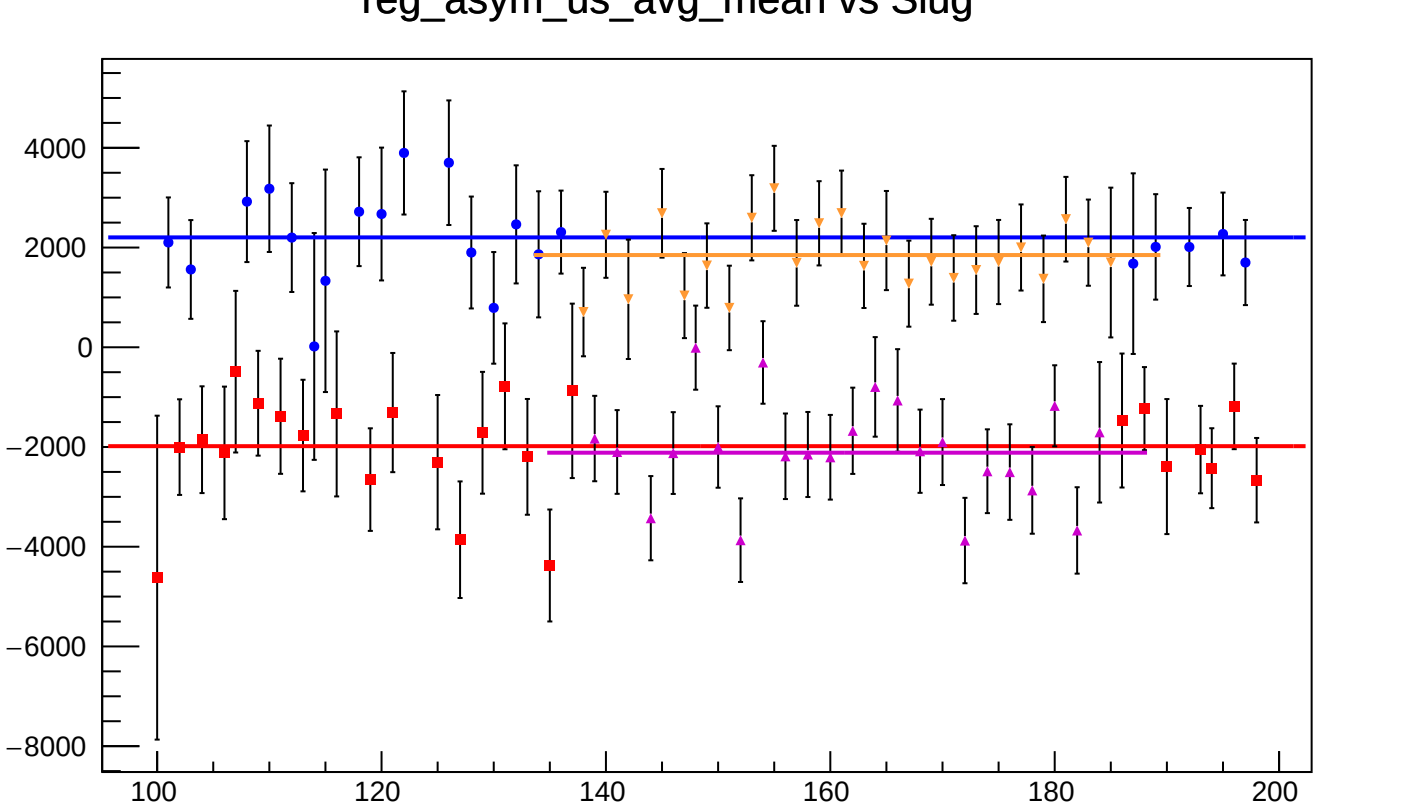


Right In: 2203.765+/-238.994 χ^2/NDF: 8.5/20

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

Right Out: -1983.463+/-223.285 χ^2/NDF: 14.8/24

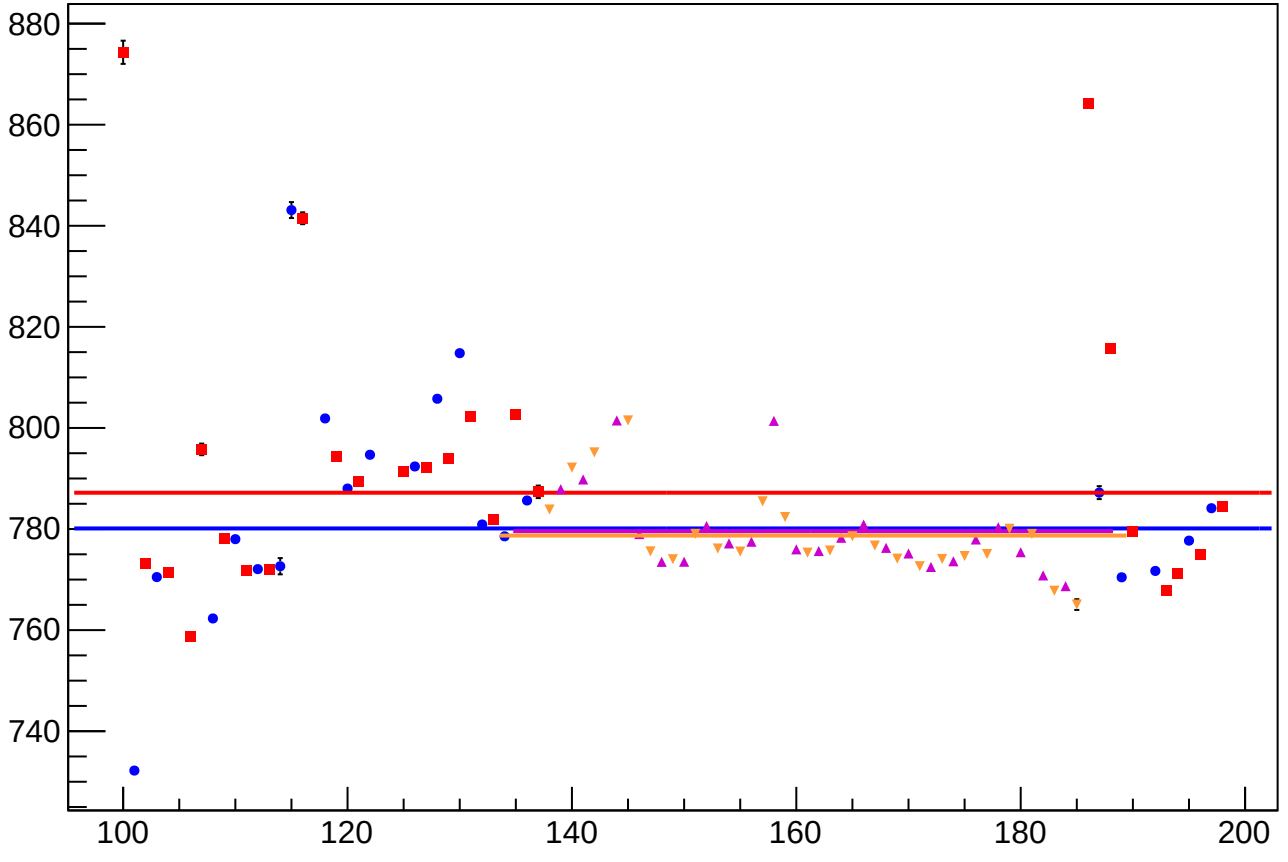
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1978.452+/-144.158 χ^2/NDF: 22.7/44

All: -85.359+/-100.831 χ^2/NDF: 470.1/92

- sign -2062.148+/-141.086 χ^2/NDF: 46.1/47

reg_asym_us_avg_rms vs Slug



Right In: 780.118+/-0.169 χ^2/NDF: 12864.1/20

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

Right Out: 787.186+/-0.158 χ^2/NDF: 18427.6/24

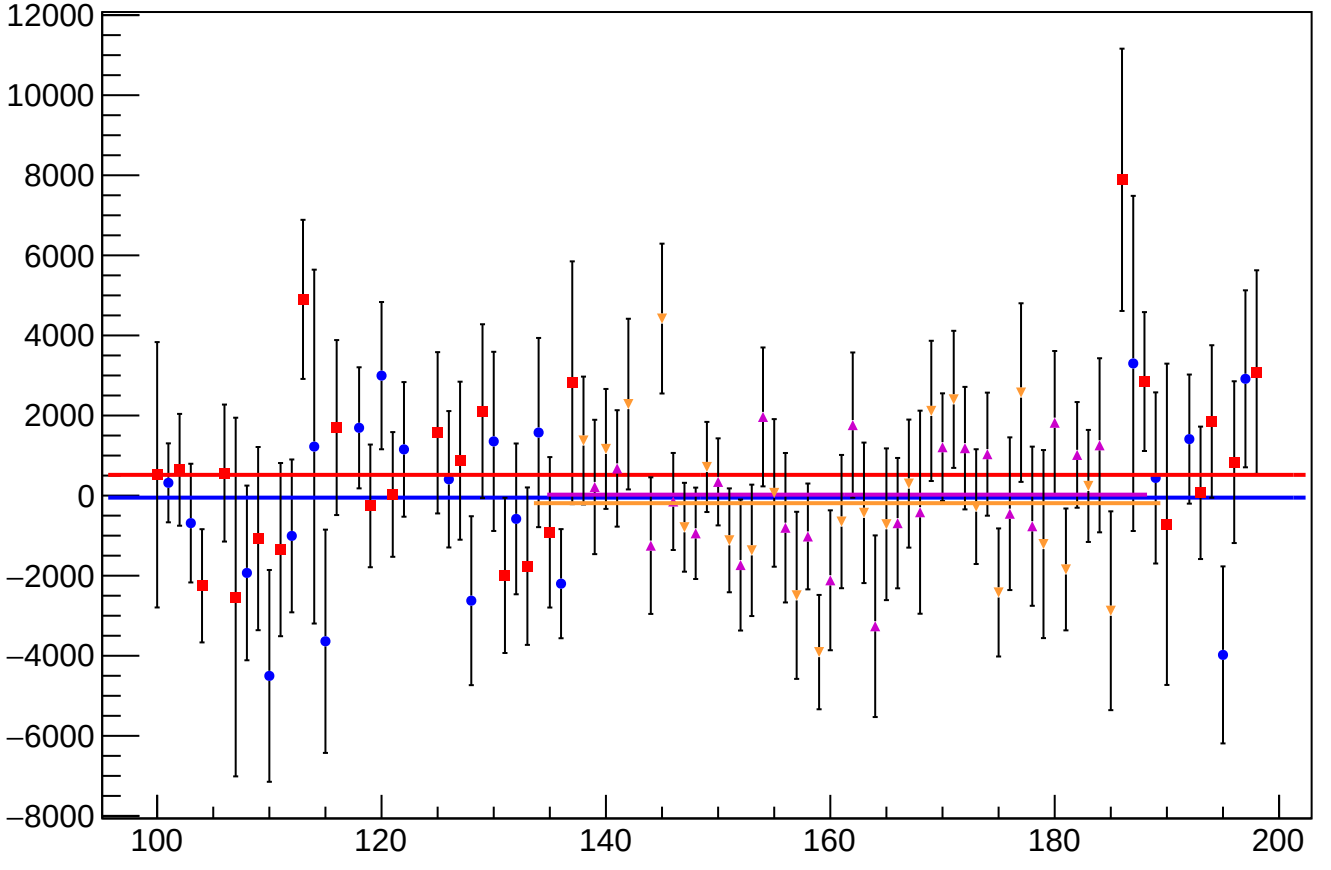
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.221+/-0.102 χ^2/NDF: 16298.1/44

All: 780.954+/-0.071 χ^2/NDF: 40860.5/92

- sign 782.614+/-0.100 χ^2/NDF: 23996.7/47

asym_us_avg_reg_correction_mean vs Slug



Right In: -50.697+/-401.048 χ^2/NDF: 22.0/20

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

Right Out: 518.038+/-396.425 χ^2/NDF: 24.6/24

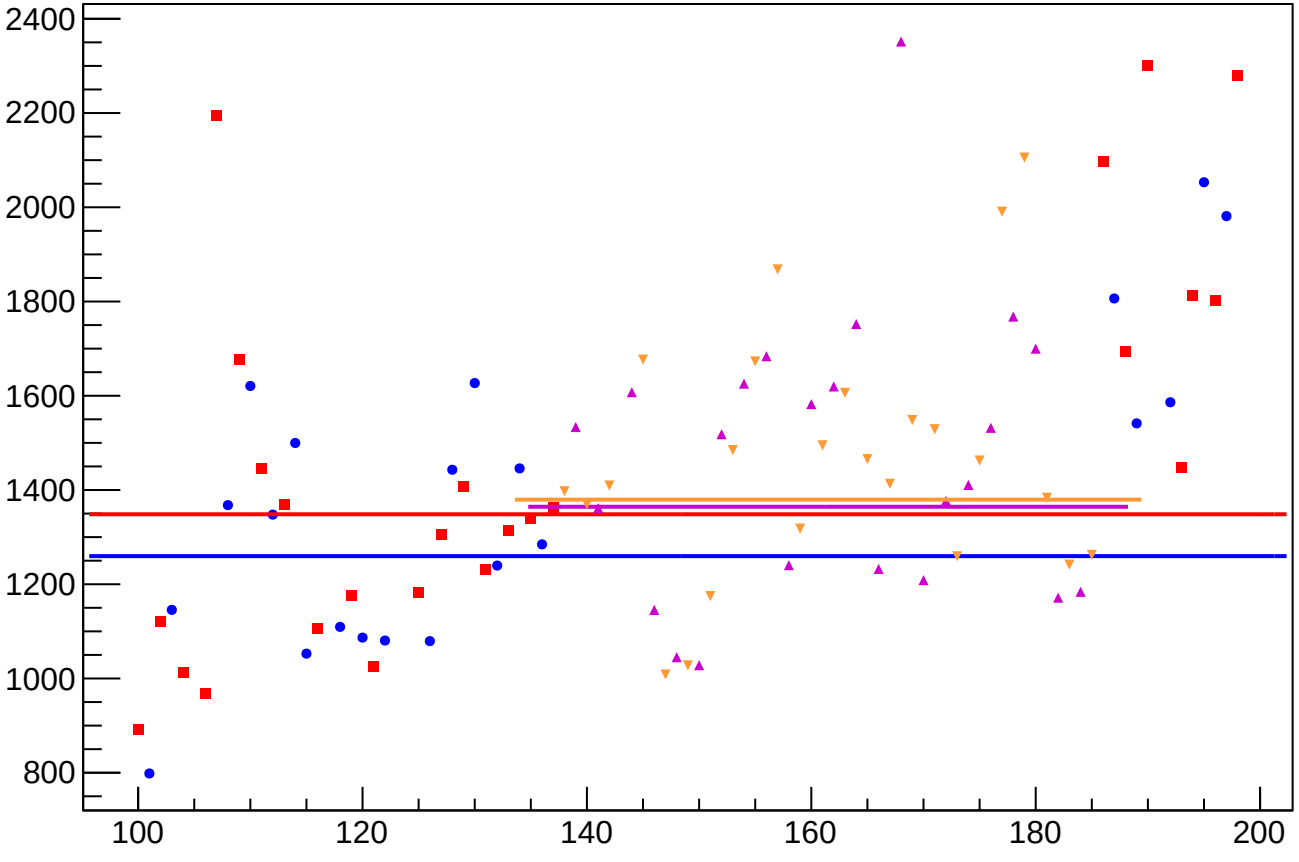
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -133.638+/-253.747 χ^2/NDF: 51.6/44

All: 46.133+/-178.701 χ^2/NDF: 91.6/92

- sign 223.023+/-251.707 χ^2/NDF: 39.0/47

asym_us_avg_reg_correction_rms vs Slug



Right In: 1259.653+/-0.284 χ^2/NDF: 1299540.9/20

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

Right Out: 1348.510+/-0.280 χ^2/NDF: 1372271.2/24

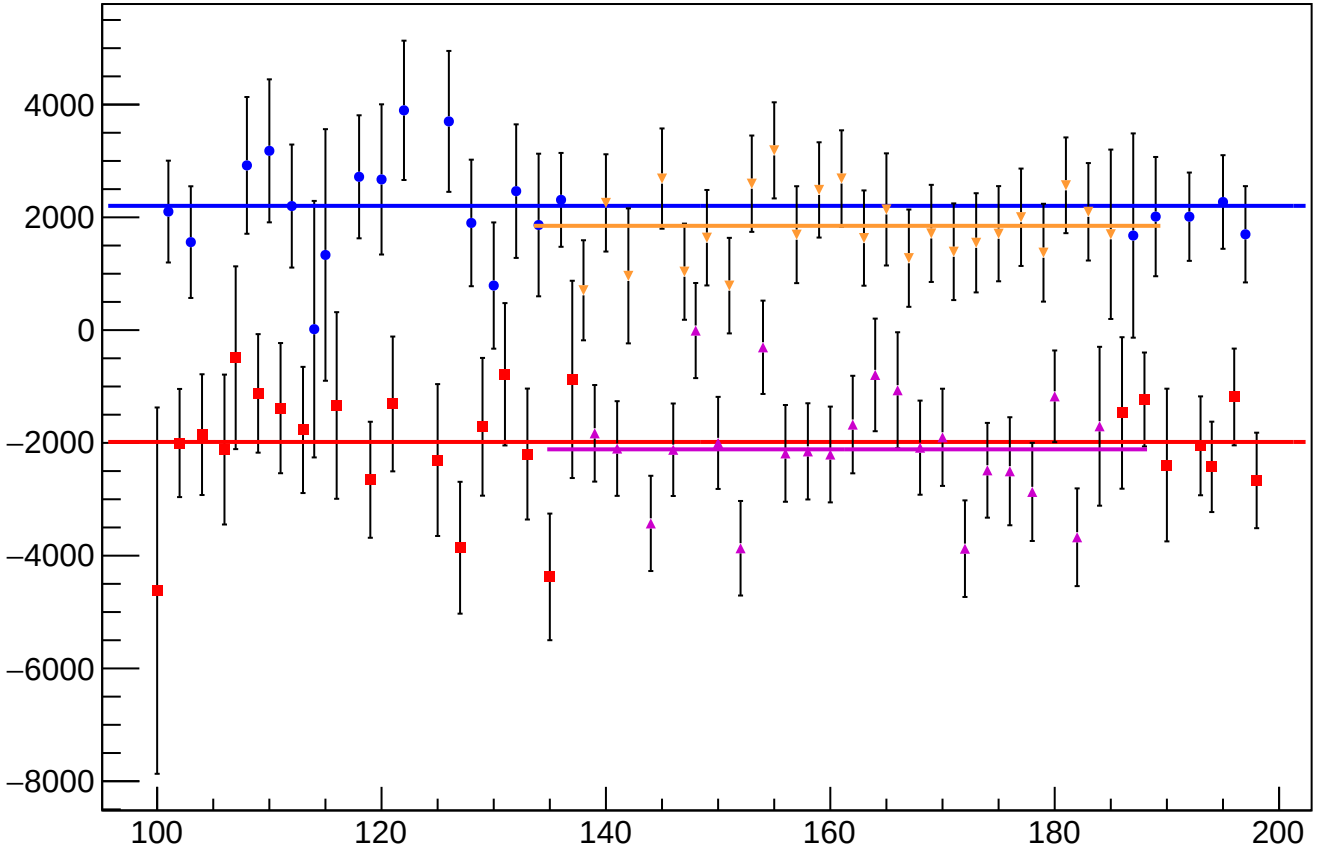
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1331.544+/-0.179 χ^2/NDF: 2565178.8/44

All: 1344.879+/-0.126 χ^2/NDF: 5262629.2/92

- sign 1358.001+/-0.178 χ^2/NDF: 2686491.5/47

cor_asym_us_avg_mean vs Slug



Right In: 2203.765+/-238.994 χ^2/NDF: 8.5/20

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

Right Out: -1983.463+/-223.285 χ^2/NDF: 14.8/24

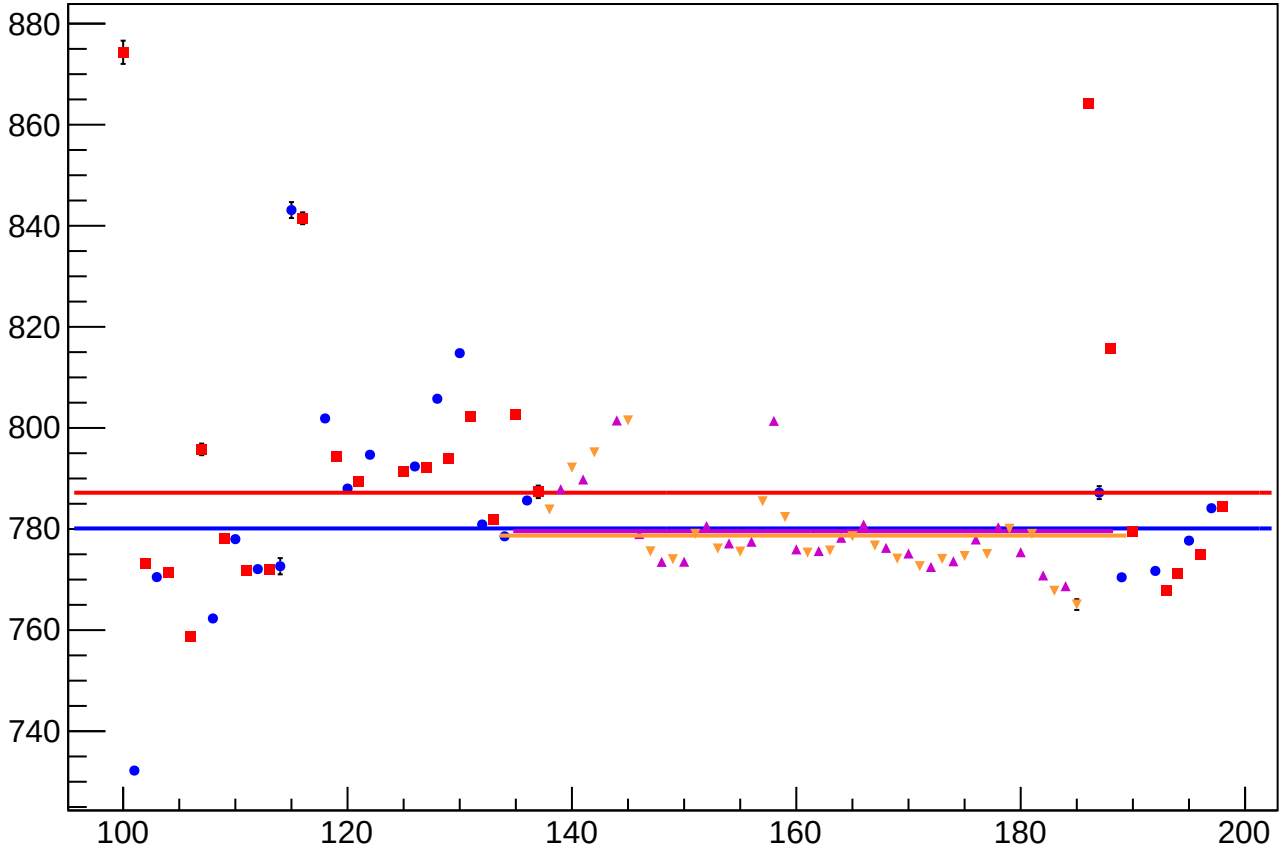
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1978.452+/-144.158 χ^2/NDF: 22.7/44

All: -85.359+/-100.831 χ^2/NDF: 470.1/92

- sign -2062.148+/-141.086 χ^2/NDF: 46.1/47

cor_asym_us_avg_rms vs Slug



Right In: 780.118+/-0.169 χ^2/NDF: 12864.1/20

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

Right Out: 787.186+/-0.158 χ^2/NDF: 18427.6/24

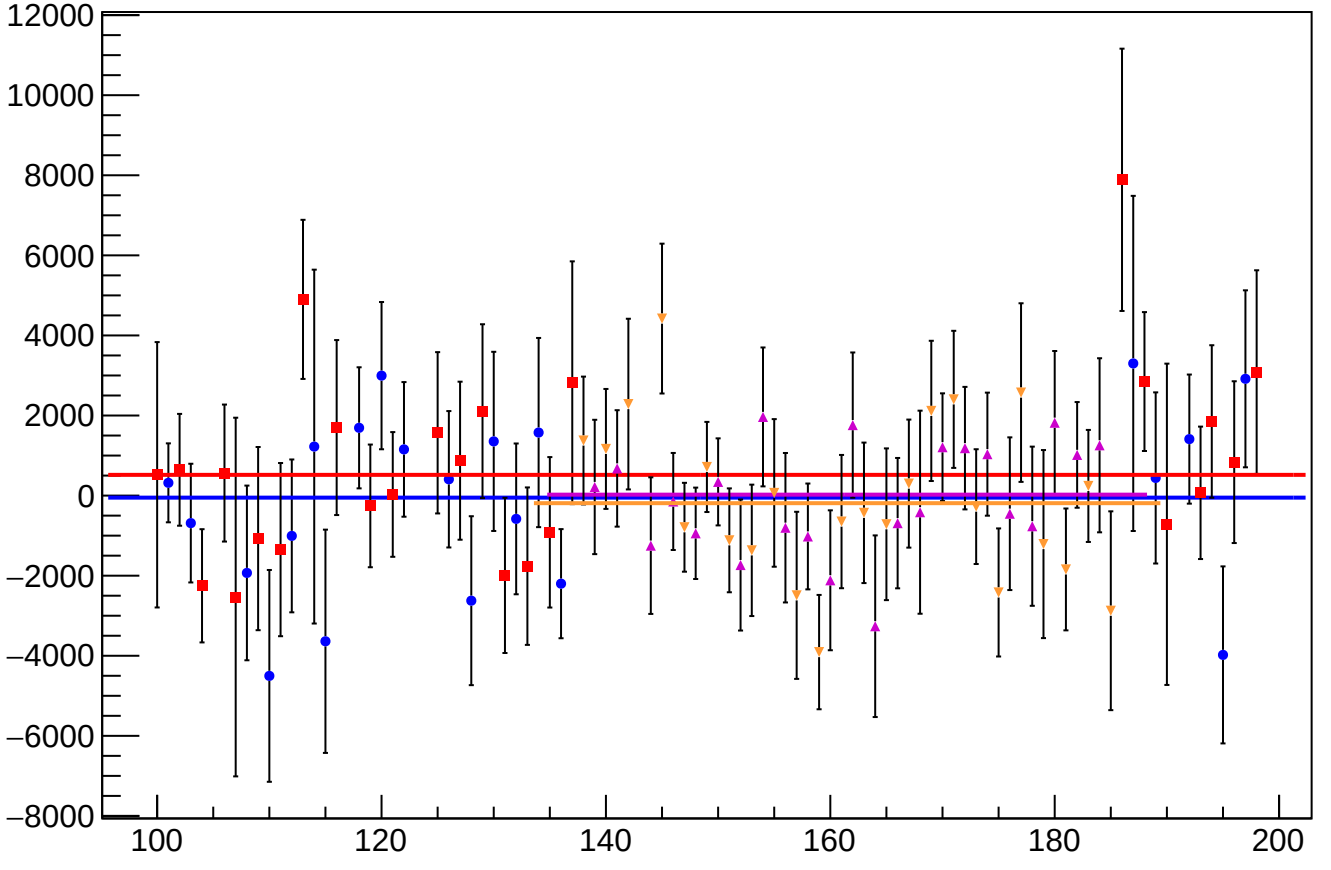
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.221+/-0.102 χ^2/NDF: 16298.1/44

All: 780.954+/-0.071 χ^2/NDF: 40860.5/92

- sign 782.614+/-0.100 χ^2/NDF: 23996.7/47

asym_us_avg_cor_correction_mean vs Slug



Right In: -50.697+/-401.048 χ^2/NDF: 22.0/20

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

Right Out: 518.038+/-396.425 χ^2/NDF: 24.6/24

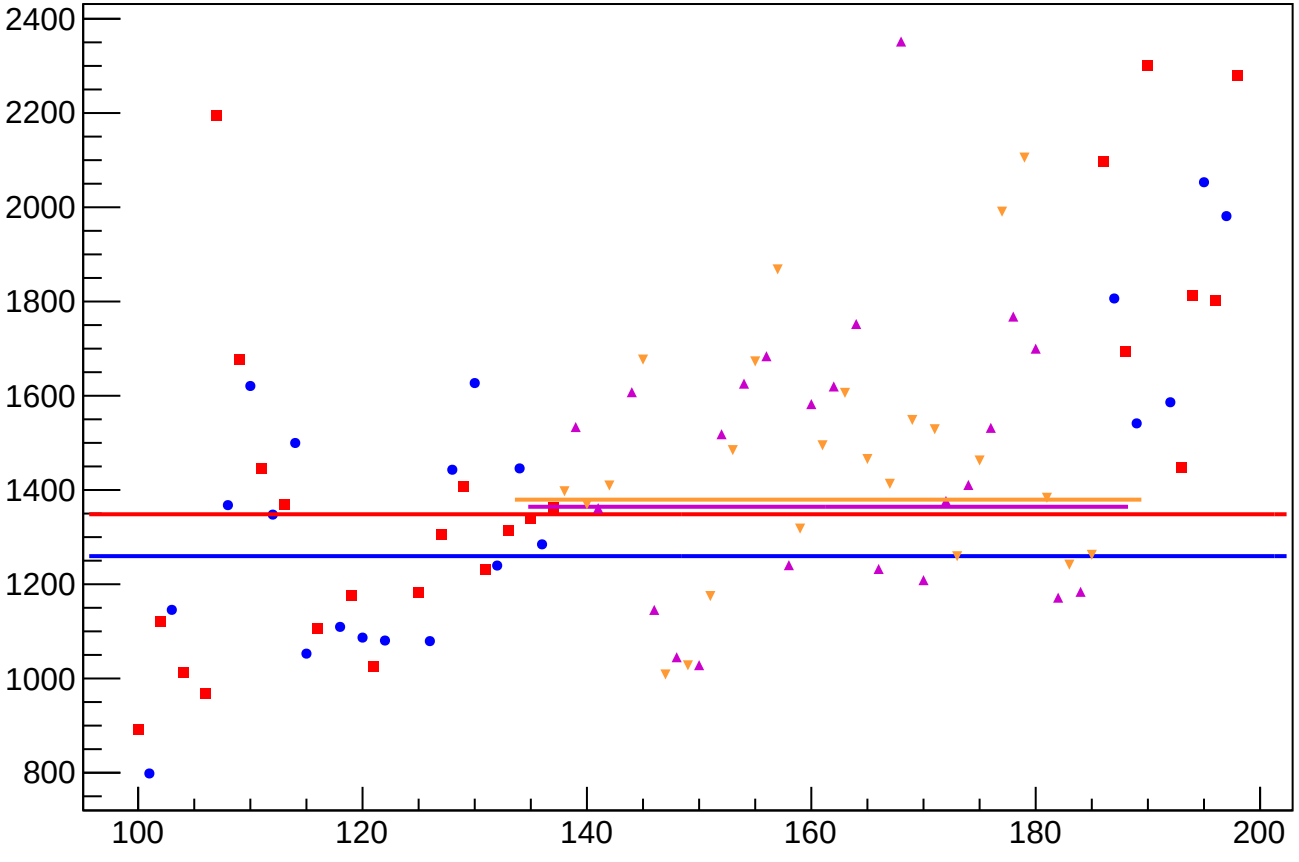
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -133.638+/-253.747 χ^2/NDF: 51.6/44

All: 46.133+/-178.701 χ^2/NDF: 91.6/92

- sign 223.023+/-251.707 χ^2/NDF: 39.0/47

asym_us_avg_cor_correction_rms vs Slug



Right In: 1259.653+/-0.284 χ^2/NDF: 1299540.9/20

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

Right Out: 1348.510+/-0.280 χ^2/NDF: 1372271.2/24

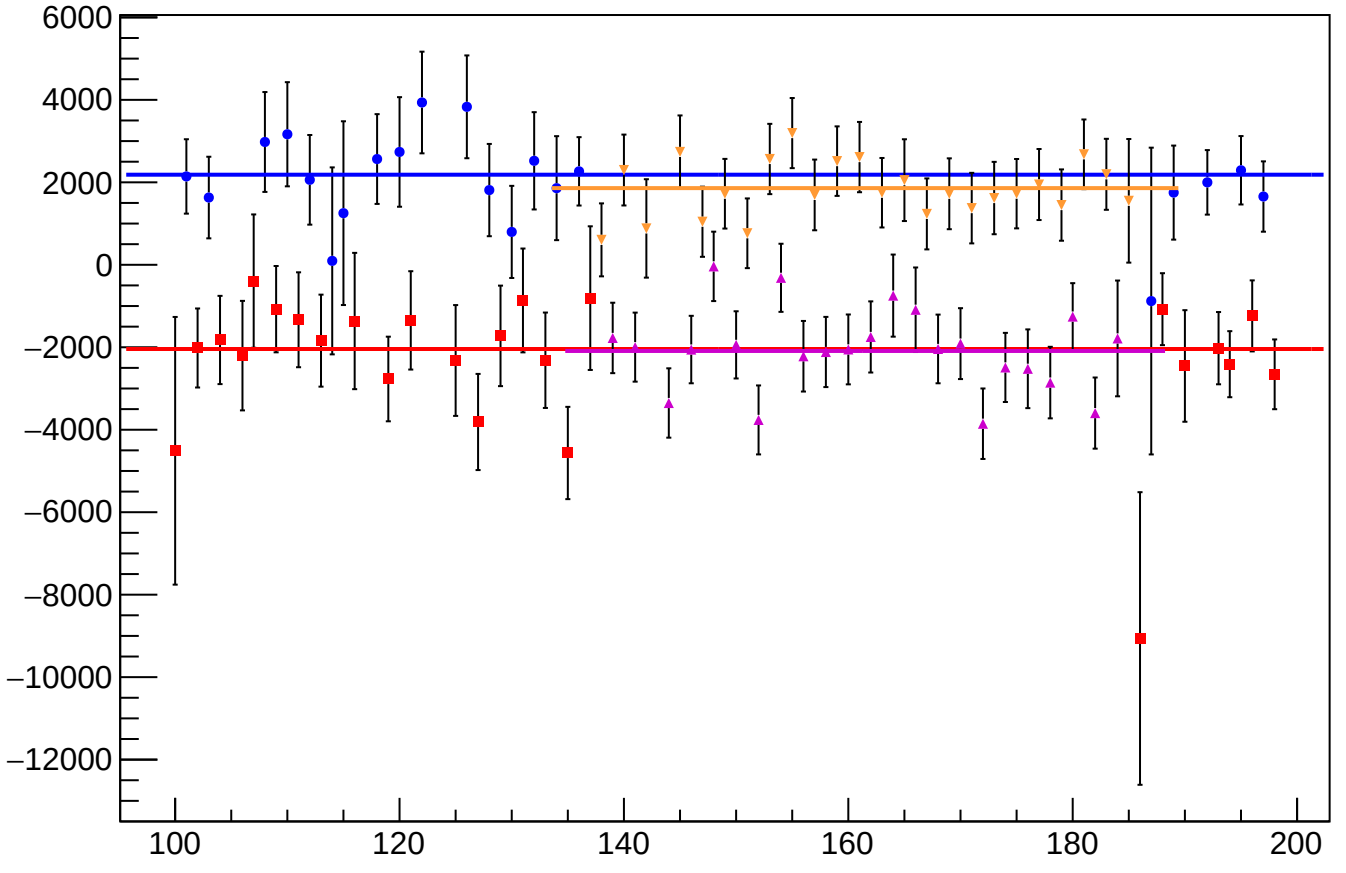
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1331.544+/-0.179 χ^2/NDF: 2565178.8/44

All: 1344.879+/-0.126 χ^2/NDF: 5262629.2/92

- sign 1358.001+/-0.178 χ^2/NDF: 2686491.5/47

overload_cor_asym_us_avg_mean vs Slug



Right In: 2184.827+/-241.001 χ^2/NDF: 9.5/20

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

Right Out: -2042.038+/-226.386 χ^2/NDF: 19.7/24

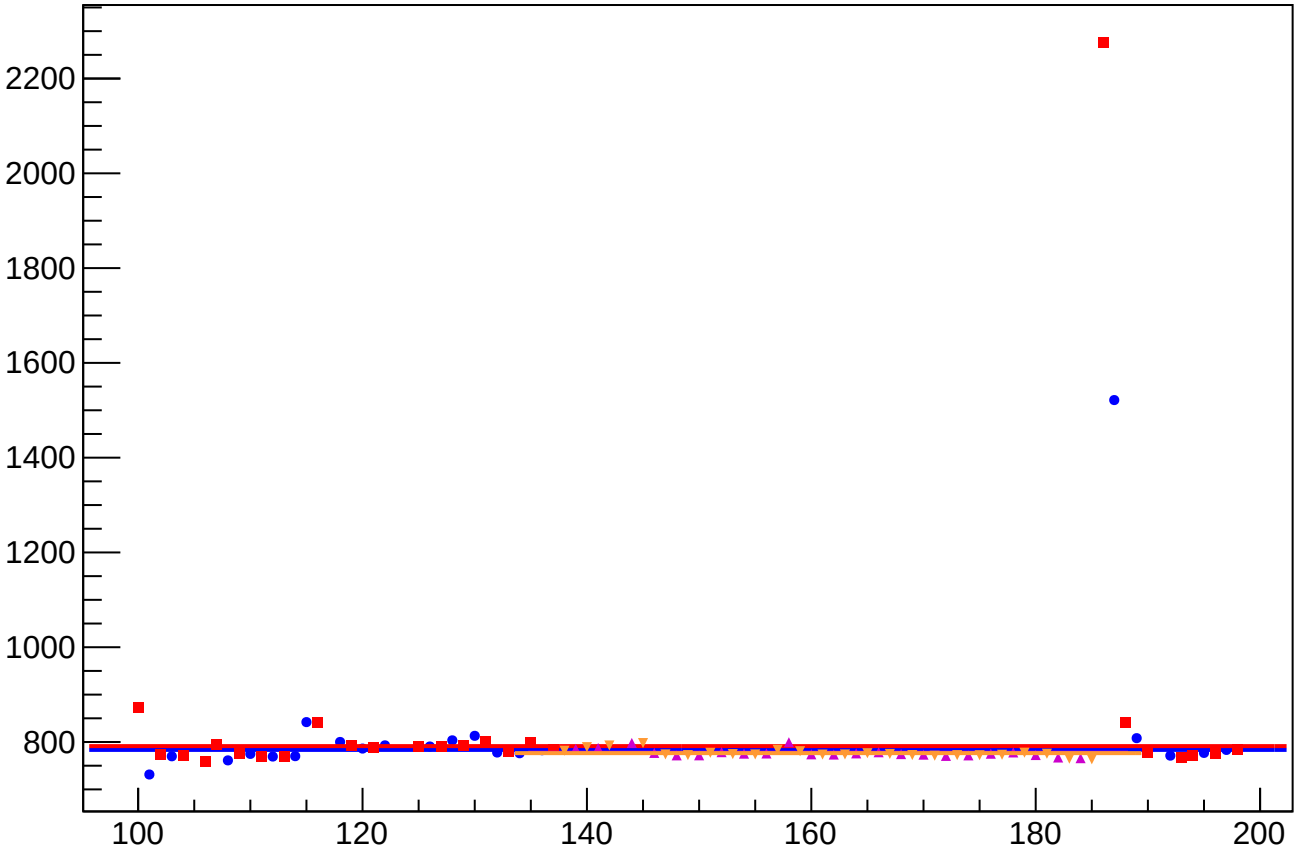
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 1976.204+/-144.334 χ^2/NDF: 24.2/44

All: -85.779+/-101.086 χ^2/NDF: 474.2/92

- sign -2070.922+/-141.619 χ^2/NDF: 49.4/47

overload_cor_asym_us_avg_rms vs Slug



Right In: 783.340+/-0.170 χ^2/NDF: 92690.0/20

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

Right Out: 791.332+/-0.160 χ^2/NDF: 368798.4/24

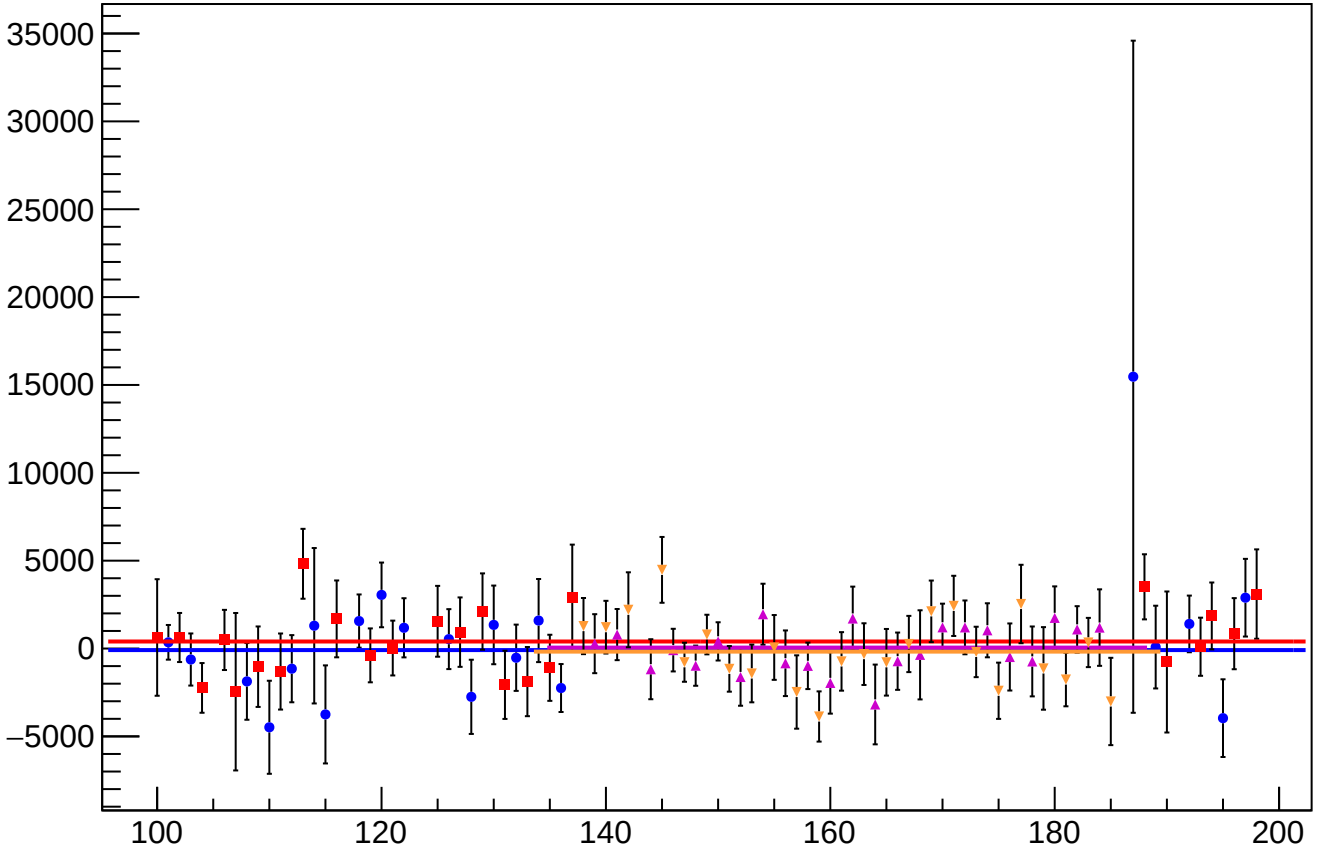
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 778.968+/-0.102 χ^2/NDF: 96853.5/44

All: 780.951+/-0.071 χ^2/NDF: 475056.9/92

- sign 782.860+/-0.100 χ^2/NDF: 377462.6/47

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: -88.205+/-404.429 χ^2/NDF: 22.1/20

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

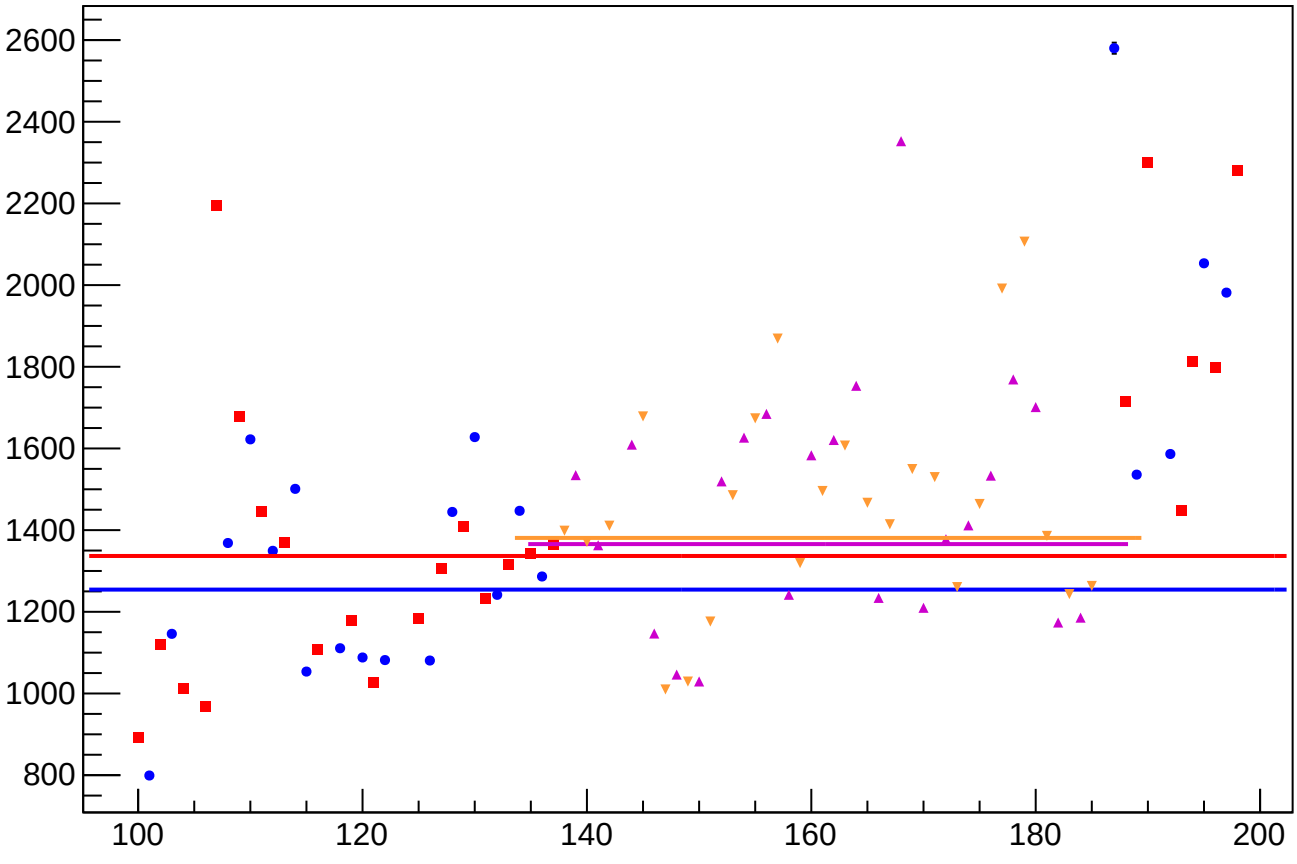
Right Out: 400.395+/-400.980 χ^2/NDF: 20.5/23

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

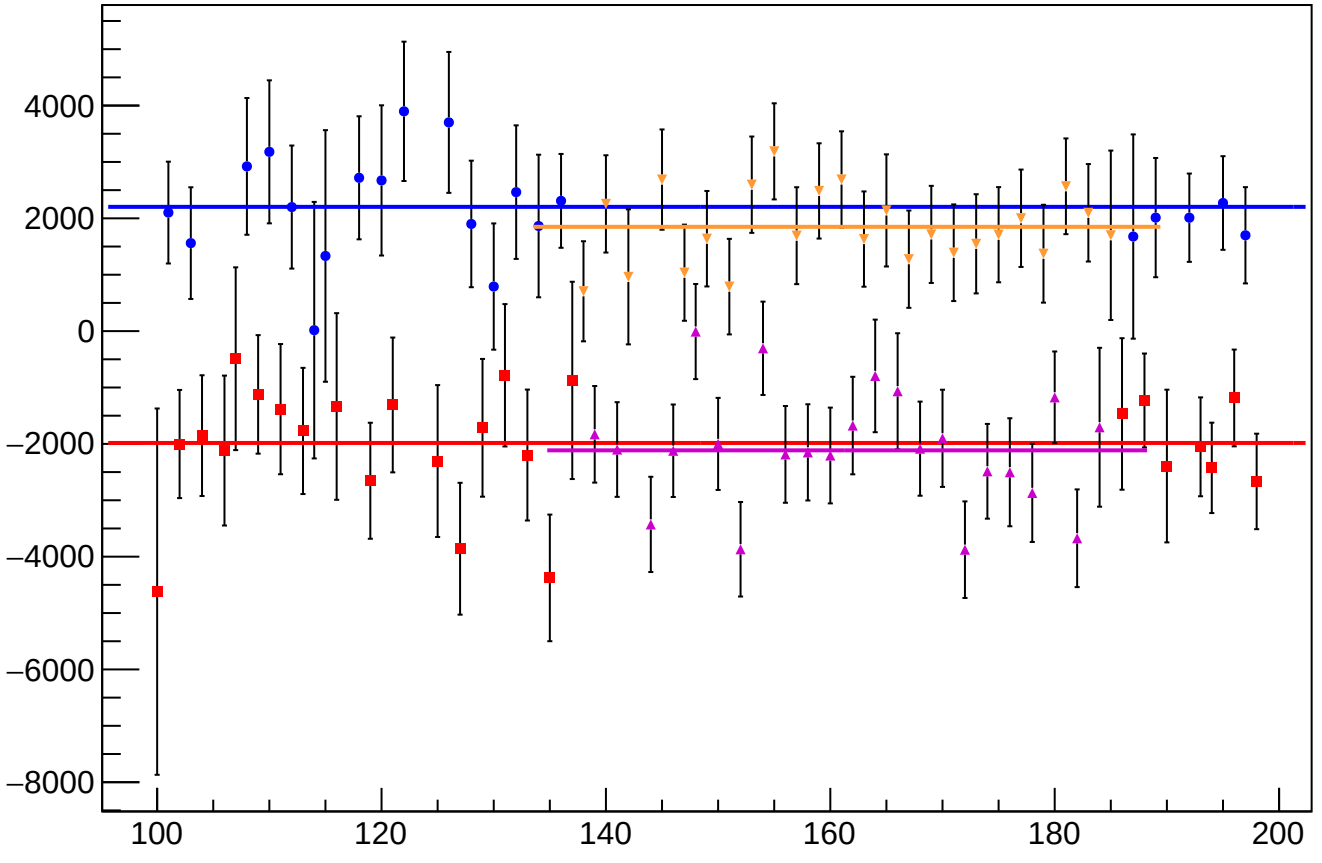
+ sign -140.522+/-254.746 χ^2/NDF: 51.8/44

All: 26.474+/-179.515 χ^2/NDF: 86.6/91

- sign 191.200+/-253.008 χ^2/NDF: 33.9/46


asym_us_avg_overload_cor_correction_rms vs Slug
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1254.386+/-0.286 χ²/NDF: 1265028.2/20
Left Out: 1380.952+/-0.232 χ²/NDF:1155437.6/23
Right Out: 1336.726+/-0.284 χ²/NDF: 1259044.7/23
Left In: 1365.811+/-0.231 χ²/NDF:1308862.5/22
+ sign 1330.736+/-0.180 χ²/NDF: 2538625.9/44
All: 1342.564+/-0.127 χ²/NDF: 5121431.7/91
- sign 1354.231+/-0.179 χ²/NDF: 2574240.8/46

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2203.765+/-238.994 χ^2/NDF: 8.5/20

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

Right Out: -1983.463+/-223.285 χ^2/NDF: 14.8/24

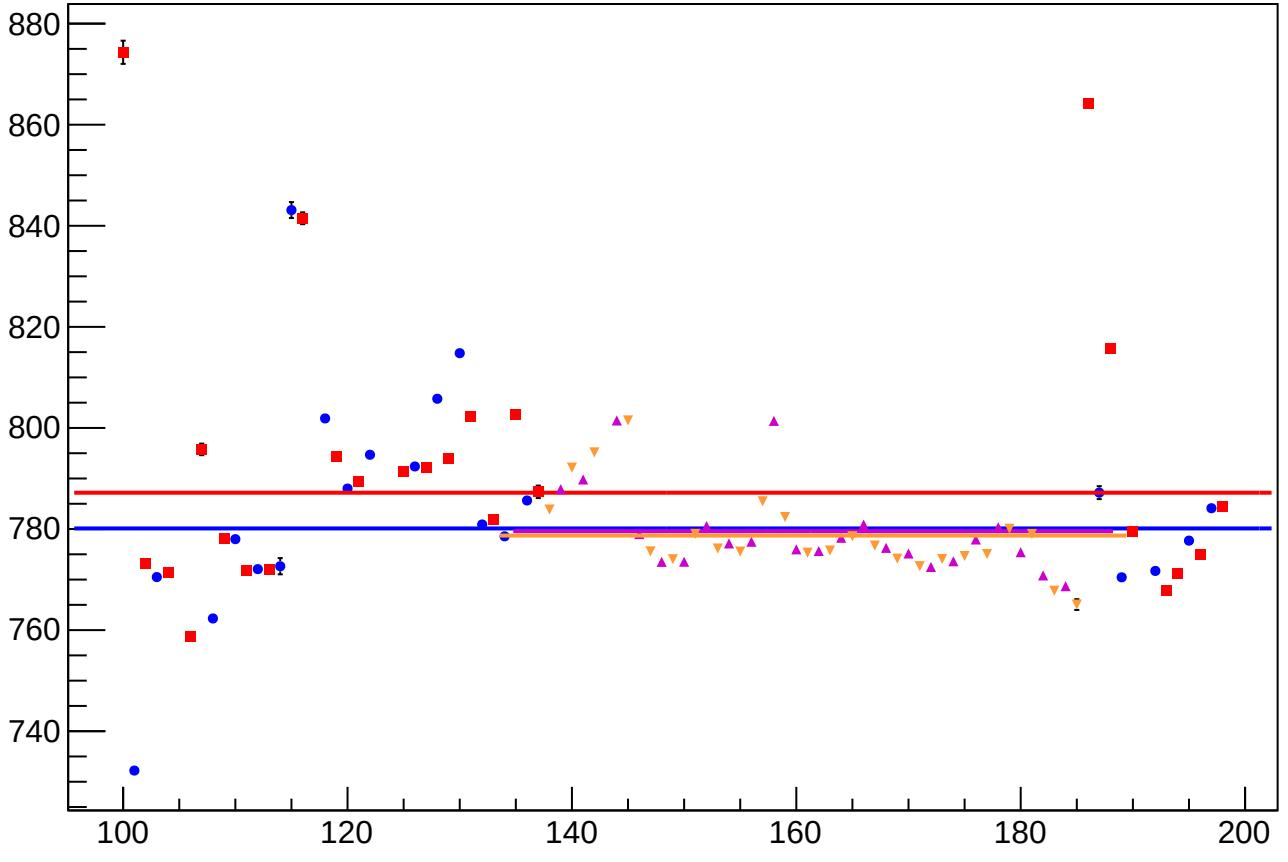
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1978.452+/-144.158 χ^2/NDF: 22.7/44

All: -85.359+/-100.831 χ^2/NDF: 470.1/92

- sign -2062.148+/-141.086 χ^2/NDF: 46.1/47

eigen_cor_asym_us_avg_rms vs Slug



Right In: 780.118+/-0.169 χ^2/NDF: 12864.1/20

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

Right Out: 787.186+/-0.158 χ^2/NDF: 18427.6/24

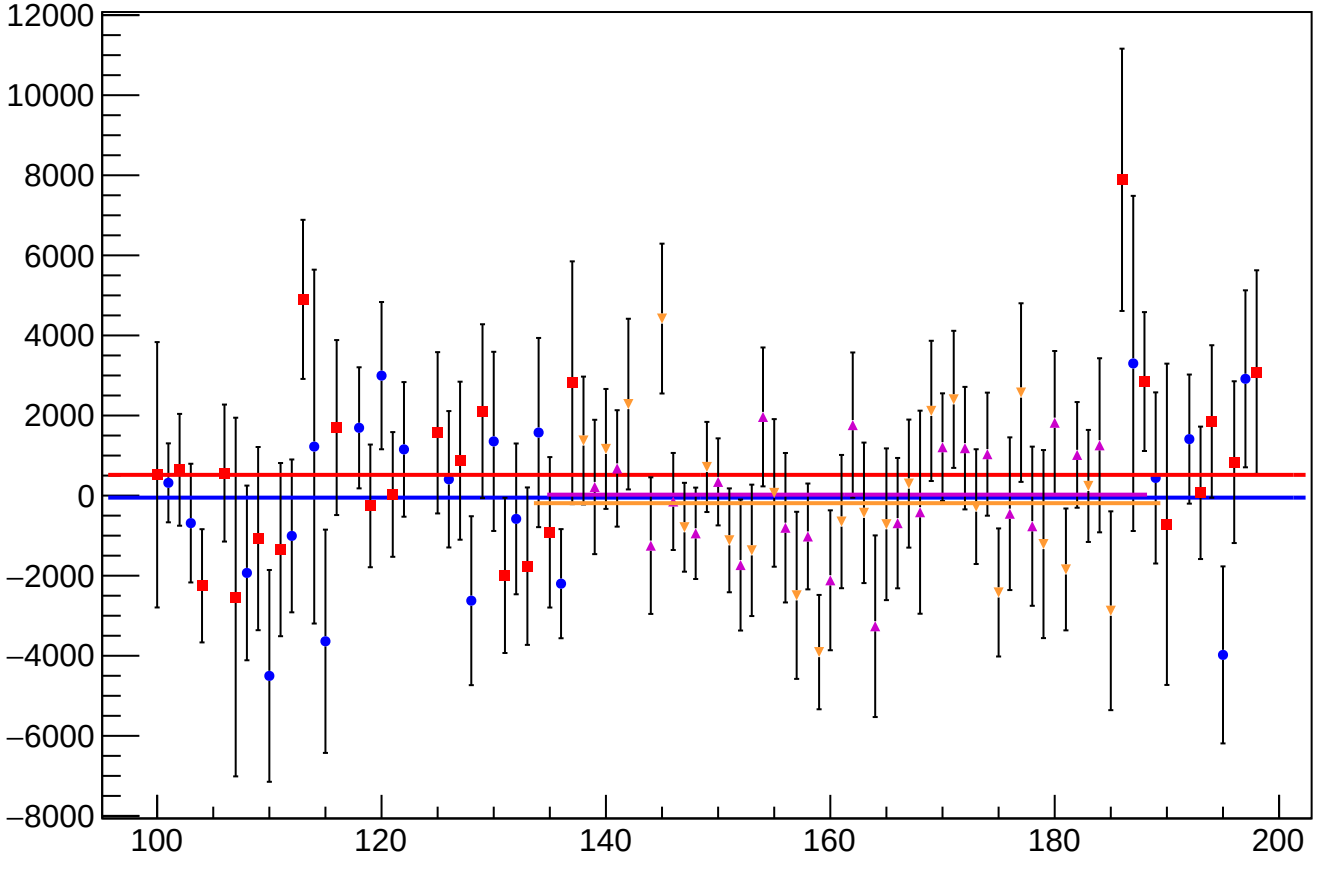
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.221+/-0.102 χ^2/NDF: 16298.1/44

All: 780.954+/-0.071 χ^2/NDF: 40860.5/92

- sign 782.614+/-0.100 χ^2/NDF: 23996.7/47

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: -50.697+/-401.048 χ^2/NDF: 22.0/20

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

Right Out: 518.038+/-396.425 χ^2/NDF: 24.6/24

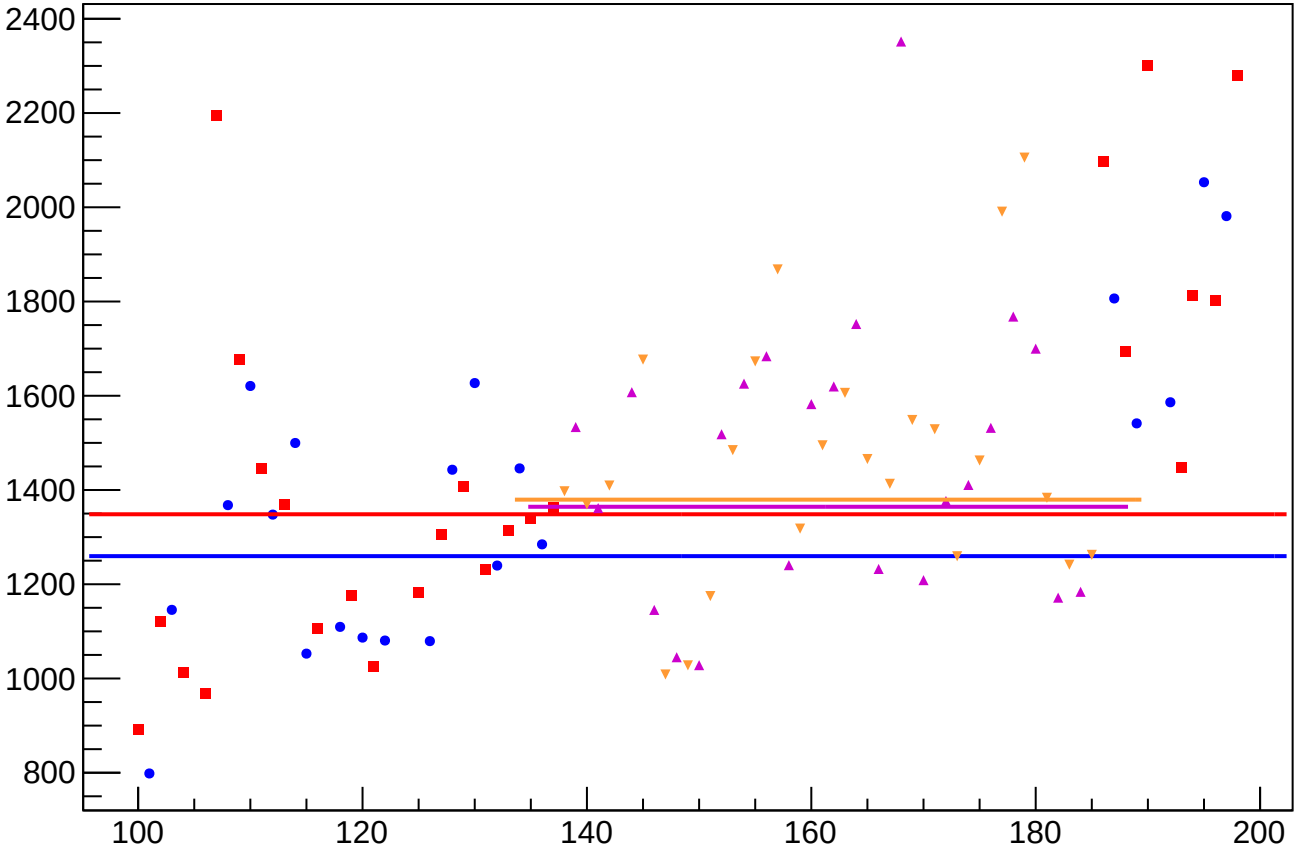
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -133.638+/-253.747 χ^2/NDF: 51.6/44

All: 46.133+/-178.701 χ^2/NDF: 91.6/92

\- sign 223.023+/-251.707 χ^2/NDF: 39.0/47

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1259.653+/-0.284 χ^2/NDF: 1299540.9/20

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

Right Out: 1348.510+/-0.280 χ^2/NDF: 1372271.2/24

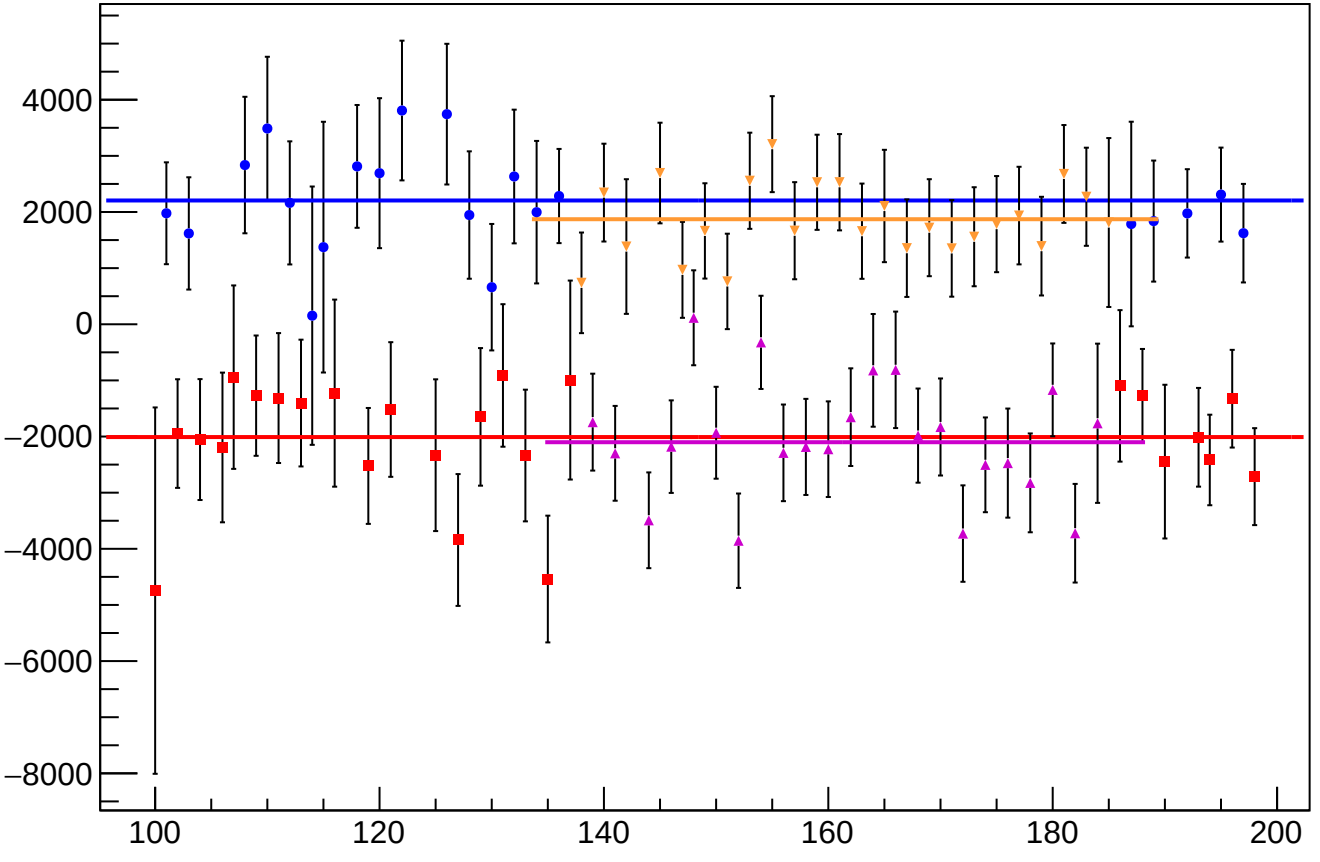
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

\+ sign 1331.544+/-0.179 χ^2/NDF: 2565178.8/44

All: 1344.879+/-0.126 χ^2/NDF: 5262629.2/92

\- sign 1358.001+/-0.178 χ^2/NDF: 2686491.5/47

dit_asym_us_avg_mean vs Slug



Right In: 2205.273+/-241.031 χ^2/NDF: 9.0/20

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

Right Out: -2009.278+/-225.012 χ^2/NDF: 14.5/24

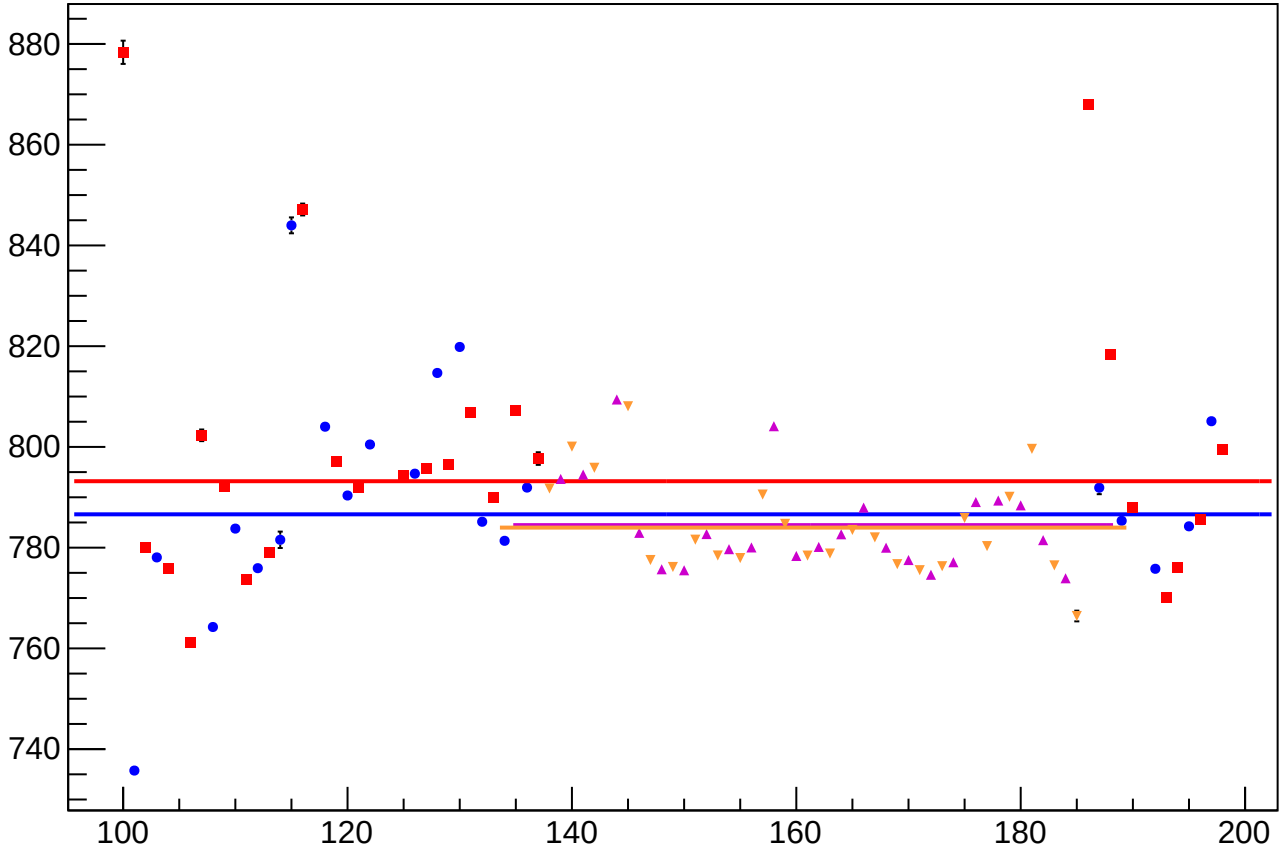
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1992.653+/-145.232 χ^2/NDF: 22.7/44

All: -80.735+/-101.554 χ^2/NDF: 467.9/92

- sign -2064.469+/-142.058 χ^2/NDF: 46.4/47

dit_asym_us_avg_rms vs Slug



Right In: 786.618+/-0.170 χ^2/NDF: 13873.2/20

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

Right Out: 793.193+/-0.159 χ^2/NDF: 17598.6/24

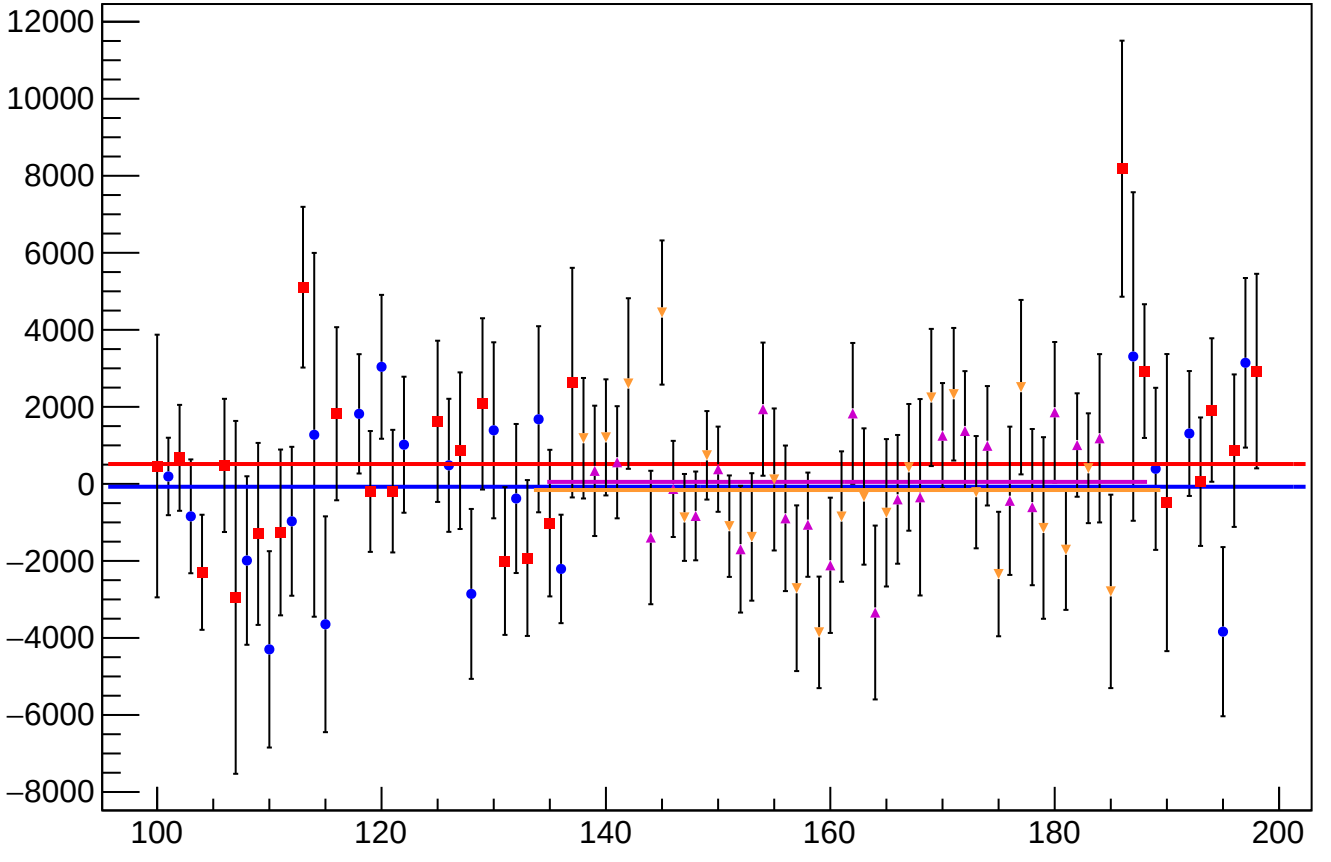
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.939+/-0.103 χ^2/NDF: 18953.7/44

All: 786.477+/-0.072 χ^2/NDF: 43725.6/92

- sign 787.948+/-0.100 χ^2/NDF: 24333.0/47

asym_us_avg_dit_correction_mean vs Slug



Right In: -74.567+/-407.466 χ^2/NDF: 21.9/20

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

Right Out: 515.969+/-401.795 χ^2/NDF: 25.0/24

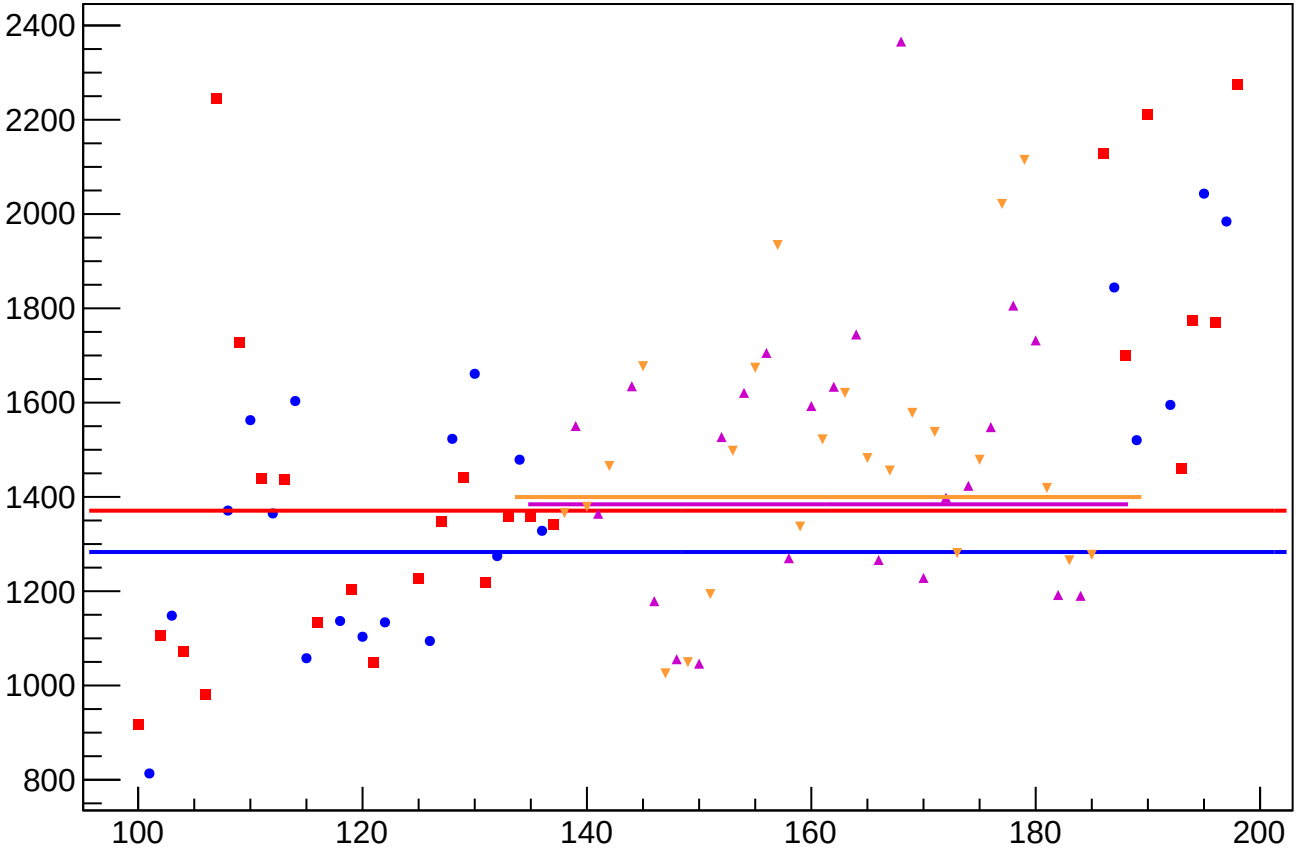
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -125.453+/-257.470 χ^2/NDF: 51.0/44

All: 58.464+/-181.218 χ^2/NDF: 91.2/92

- sign 239.024+/-255.109 χ^2/NDF: 39.2/47

asym_us_avg_dit_correction_rms vs Slug



Right In: 1283.108+/-0.288 χ^2/NDF: 1250766.1/20

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

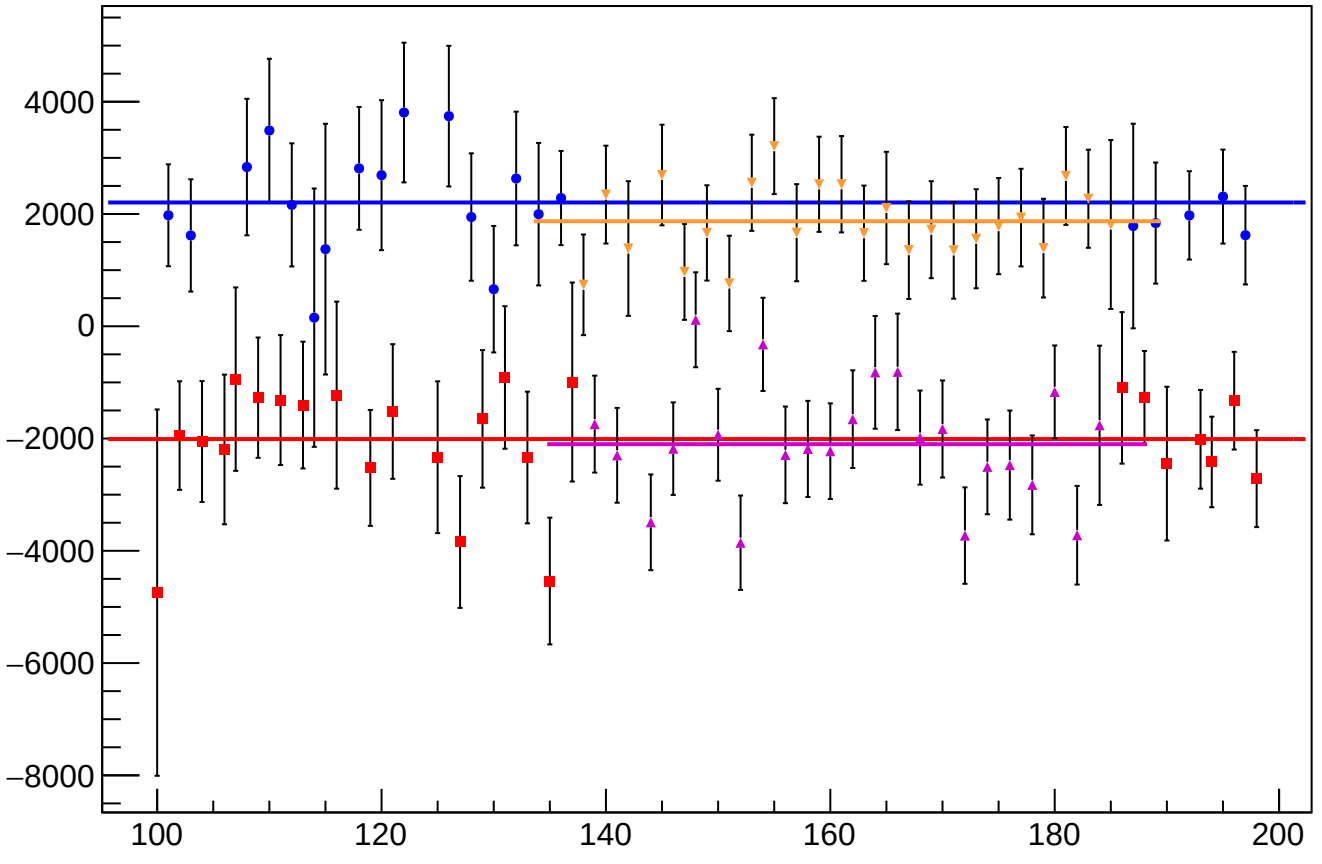
Right Out: 1370.810+/-0.284 χ^2/NDF: 1272673.9/24

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

+ sign 1353.158+/-0.182 χ^2/NDF: 2485514.7/44

All: 1366.138+/-0.128 χ^2/NDF: 5039551.3/92

- sign 1378.882+/-0.180 χ^2/NDF: 2543962.9/47



Right In: 2205.271+/-241.031 χ^2/NDF: 9.0/20

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

Right Out: -2009.276+/-225.012 χ^2/NDF: 14.5/24

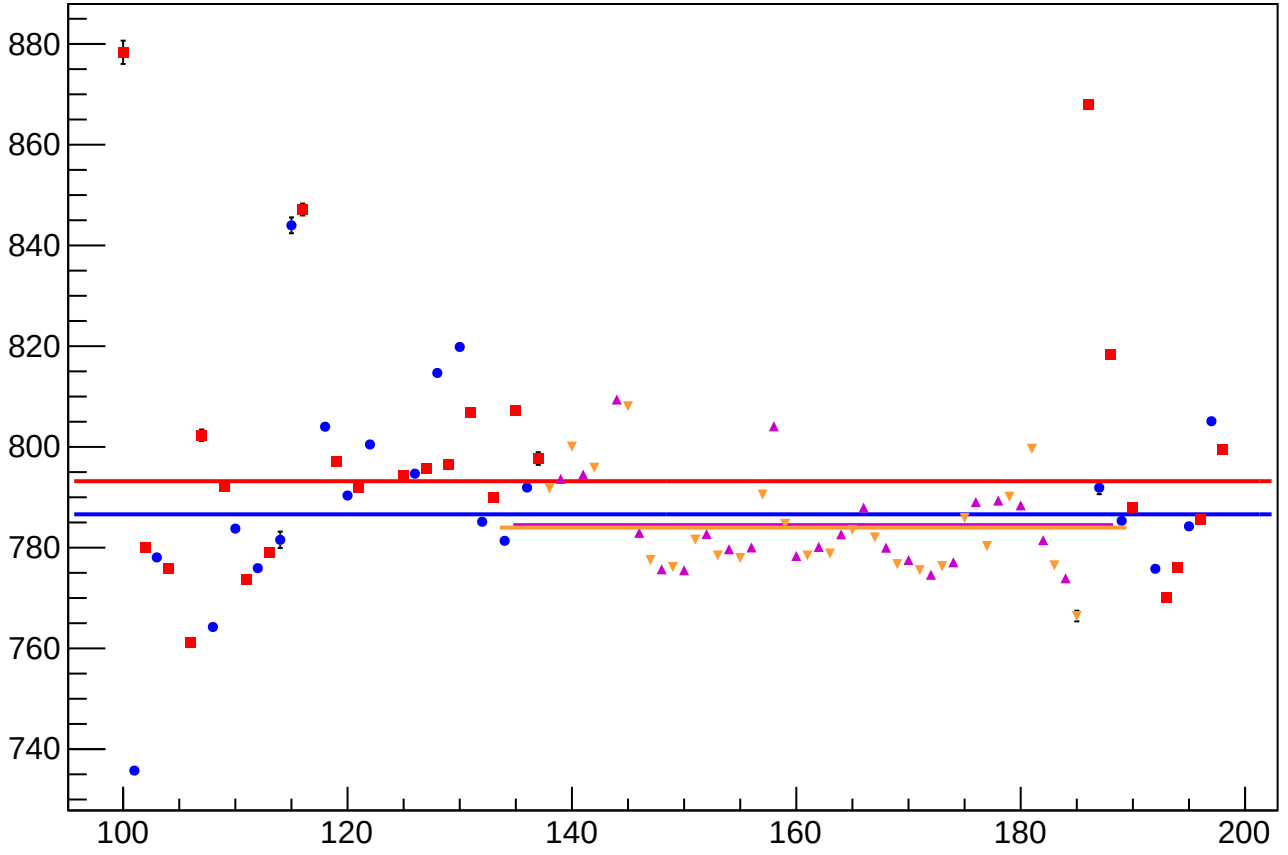
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1992.651+/-145.232 χ^2/NDF: 22.7/44

All: -80.736+/-101.554 χ^2/NDF: 467.9/92

- sign -2064.469+/-142.058 χ^2/NDF: 46.4/47

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.618+/-0.170 χ^2/NDF: 13873.2/20

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

Right Out: 793.193+/-0.159 χ^2/NDF: 17598.6/24

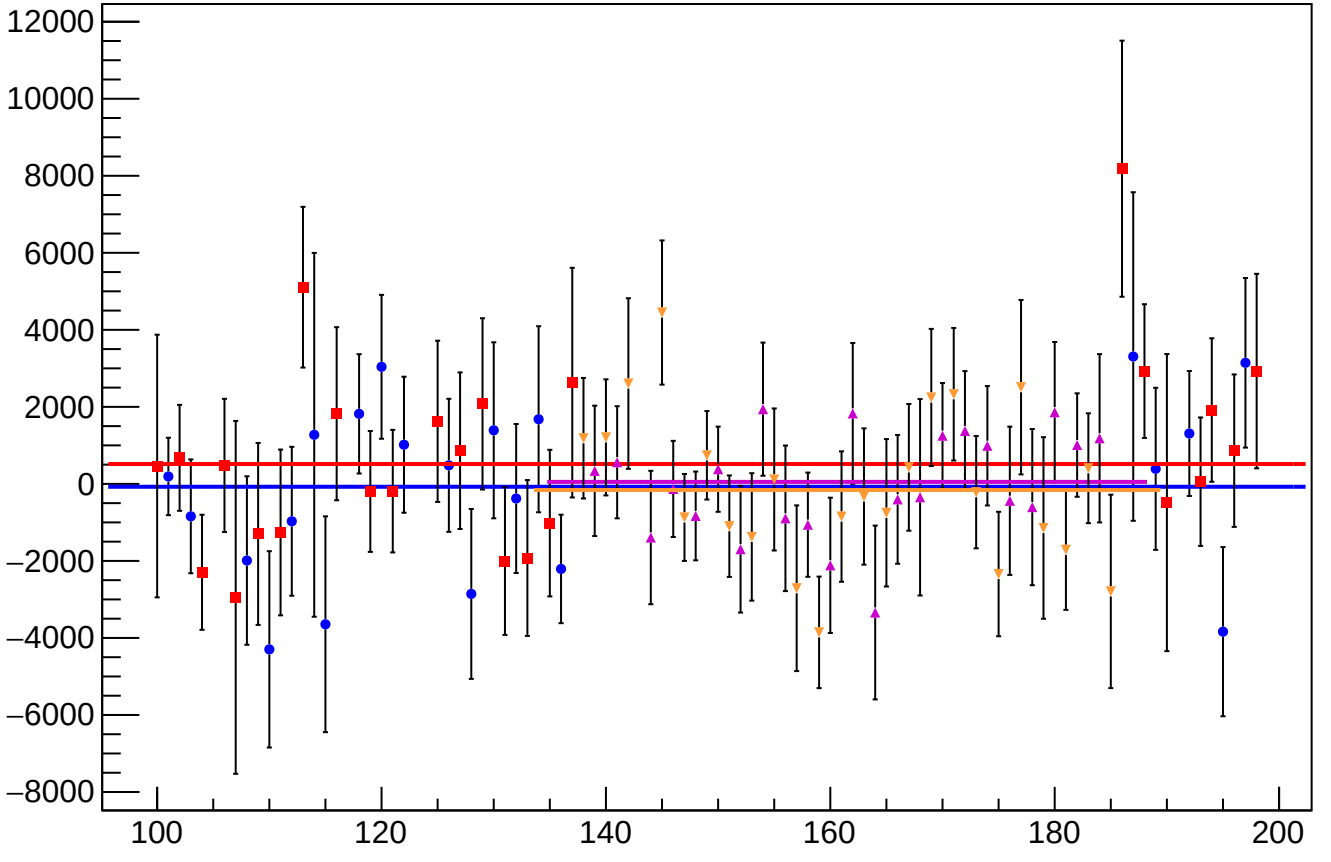
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.939+/-0.103 χ^2/NDF: 18953.7/44

All: 786.477+/-0.072 χ^2/NDF: 43725.5/92

- sign 787.948+/-0.100 χ^2/NDF: 24332.9/47

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -74.566+/-407.465 χ^2/NDF: 21.9/20

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

Right Out: 515.965+/-401.795 χ^2/NDF: 25.0/24

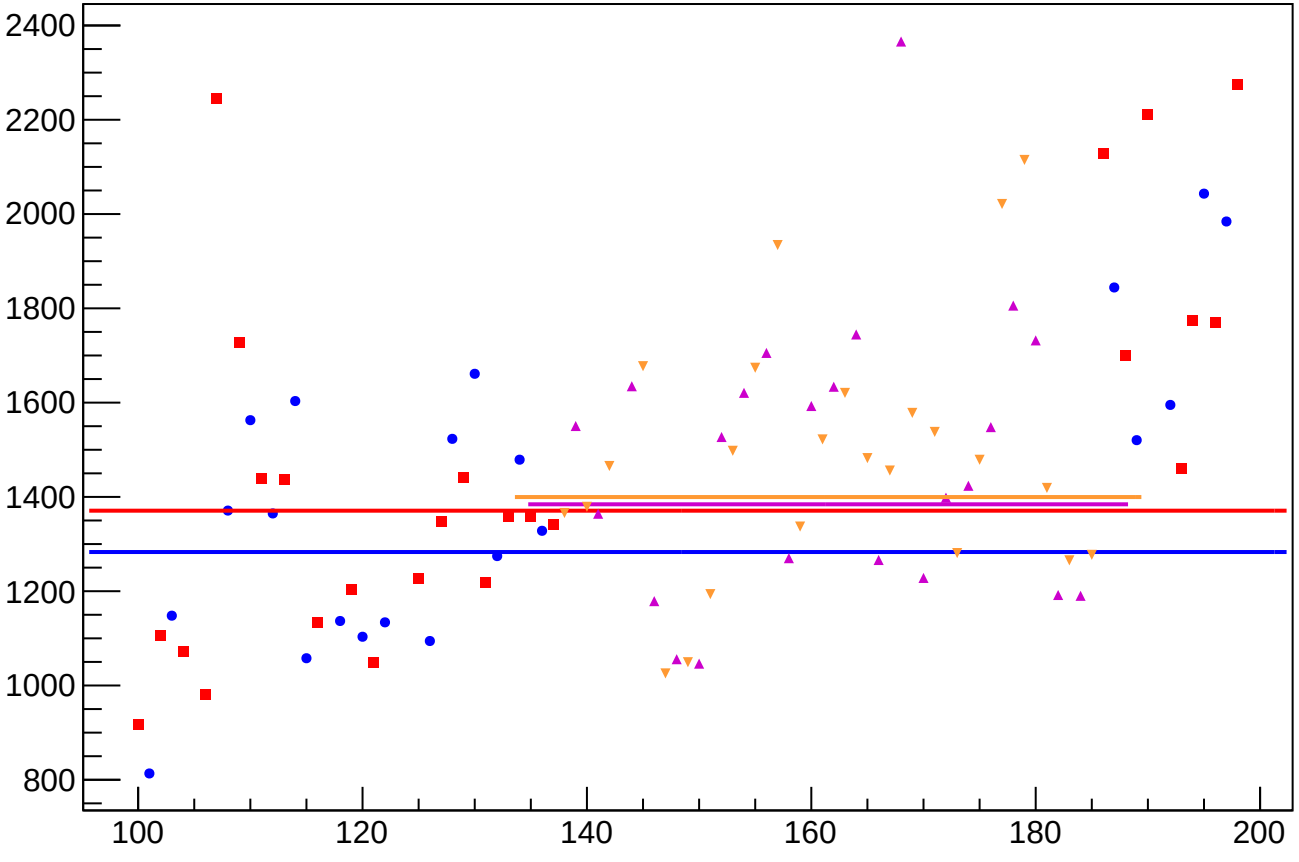
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -125.455+/-257.470 χ^2/NDF: 51.0/44

All: 58.463+/-181.218 χ^2/NDF: 91.2/92

- sign 239.023+/-255.109 χ^2/NDF: 39.2/47

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1283.105+/-0.288 χ^2/NDF: 1250772.0/20

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

Right Out: 1370.807+/-0.284 χ^2/NDF: 1272684.9/24

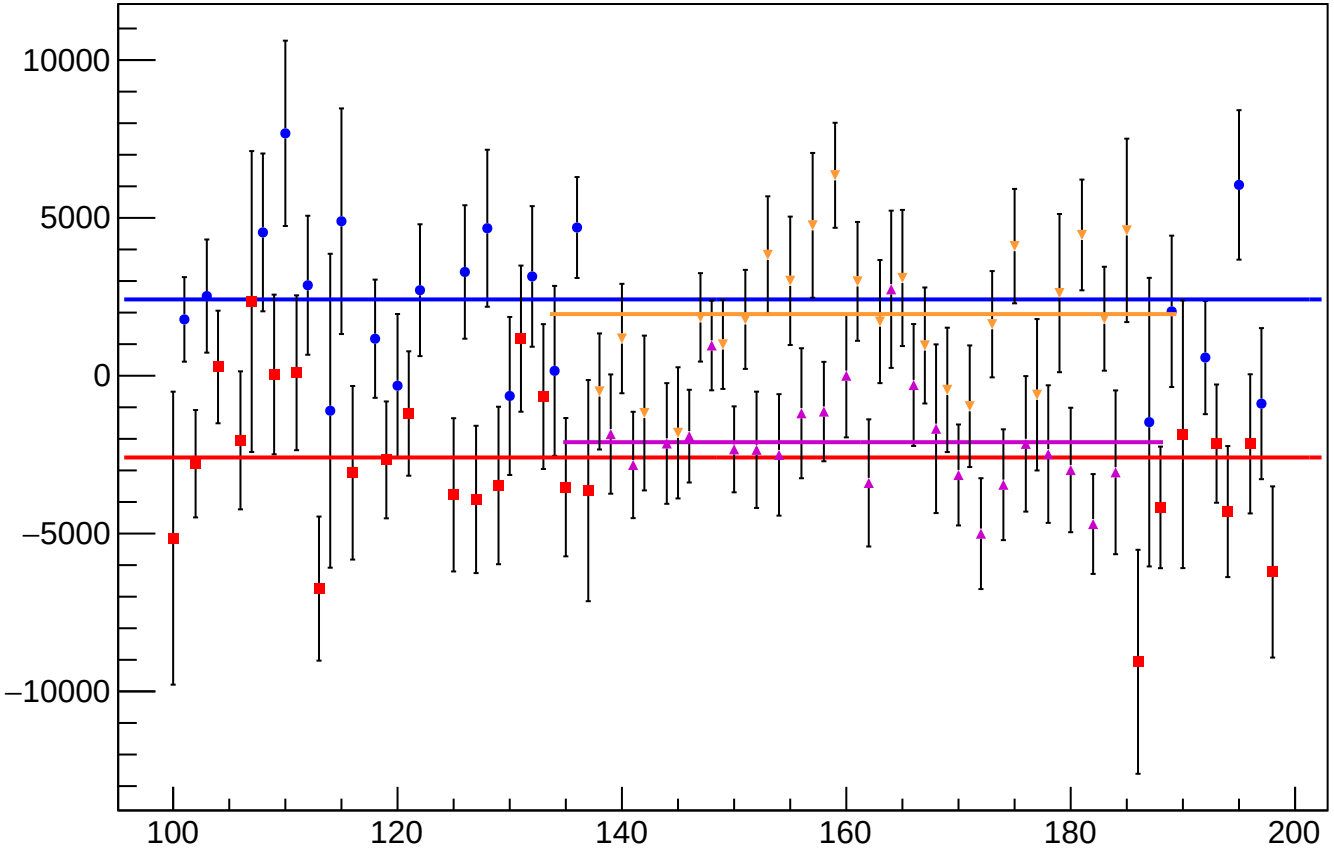
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1353.158+/-0.182 χ^2/NDF: 2485531.0/44

All: 1366.139+/-0.128 χ^2/NDF: 5039580.3/92

- sign 1378.882+/-0.180 χ^2/NDF: 2543975.5/47

asym_us_avg_mean vs Slug



Right In: 2417.277+/-480.019 χ^2/NDF: 18.5/20

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

Right Out: -2589.806+/-466.257 χ^2/NDF: 21.1/24

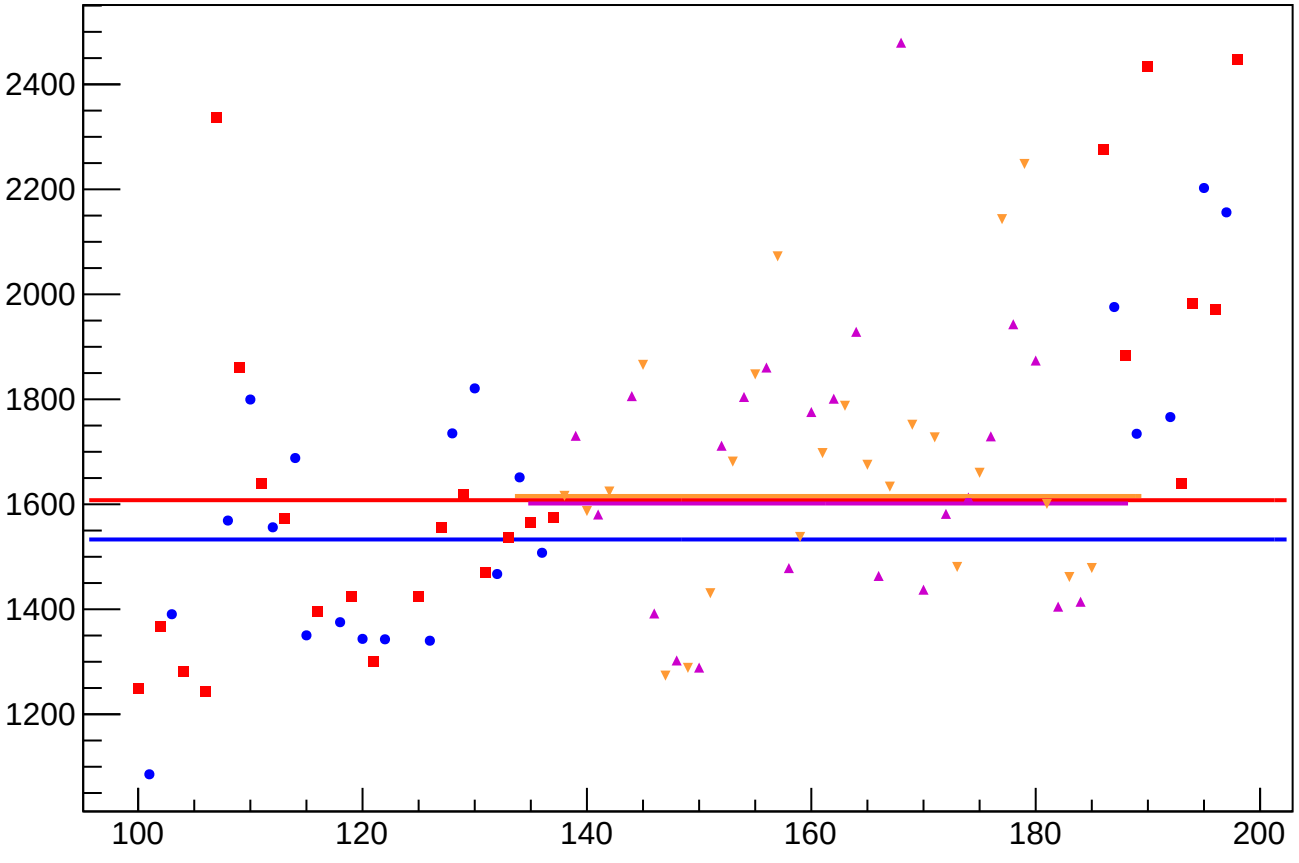
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2131.655+/-298.071 χ^2/NDF: 46.4/44

All: -112.814+/-209.357 χ^2/NDF: 198.6/92

- sign -2298.165+/-294.120 χ^2/NDF: 40.3/47

asym_us_avg_rms vs Slug



Right In: 1532.975+/-0.339 χ^2/NDF: 729369.4/20

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

Right Out: 1607.814+/-0.330 χ^2/NDF: 842899.2/24

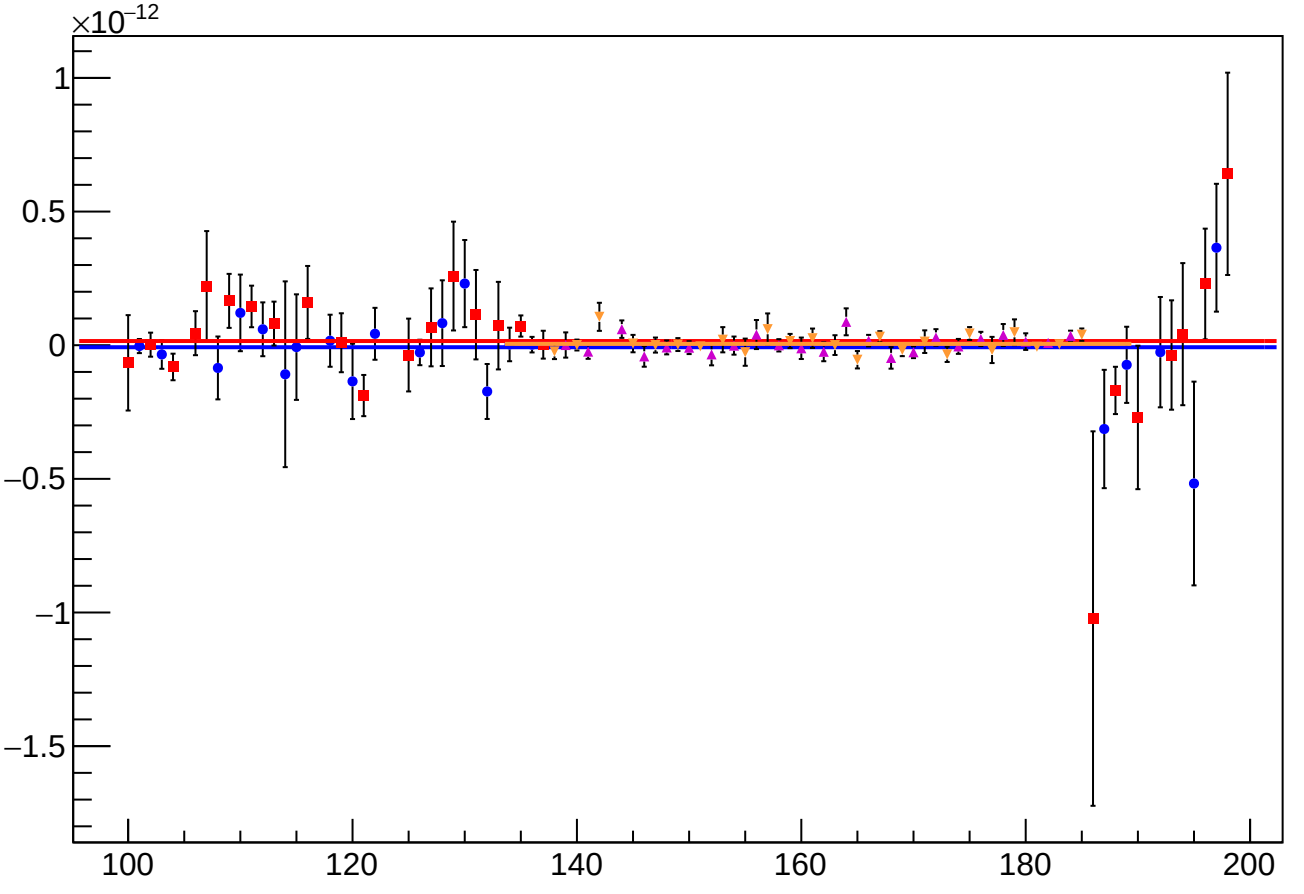
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1583.897+/-0.211 χ^2/NDF: 1460354.2/44

All: 1594.088+/-0.148 χ^2/NDF: 3101811.4/92

- sign 1604.010+/-0.208 χ^2/NDF: 1636842.9/47

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.9/20

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

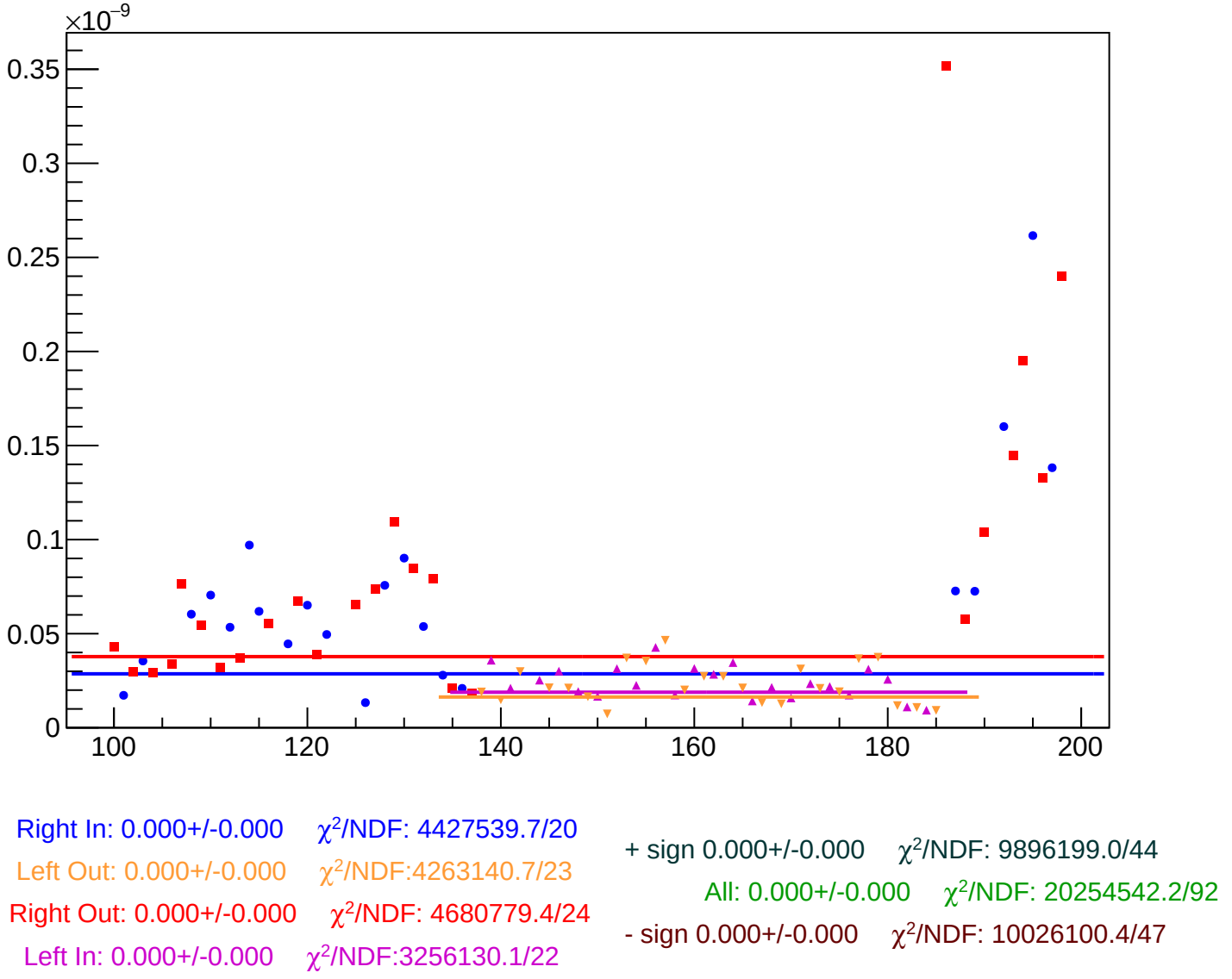
Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/24

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

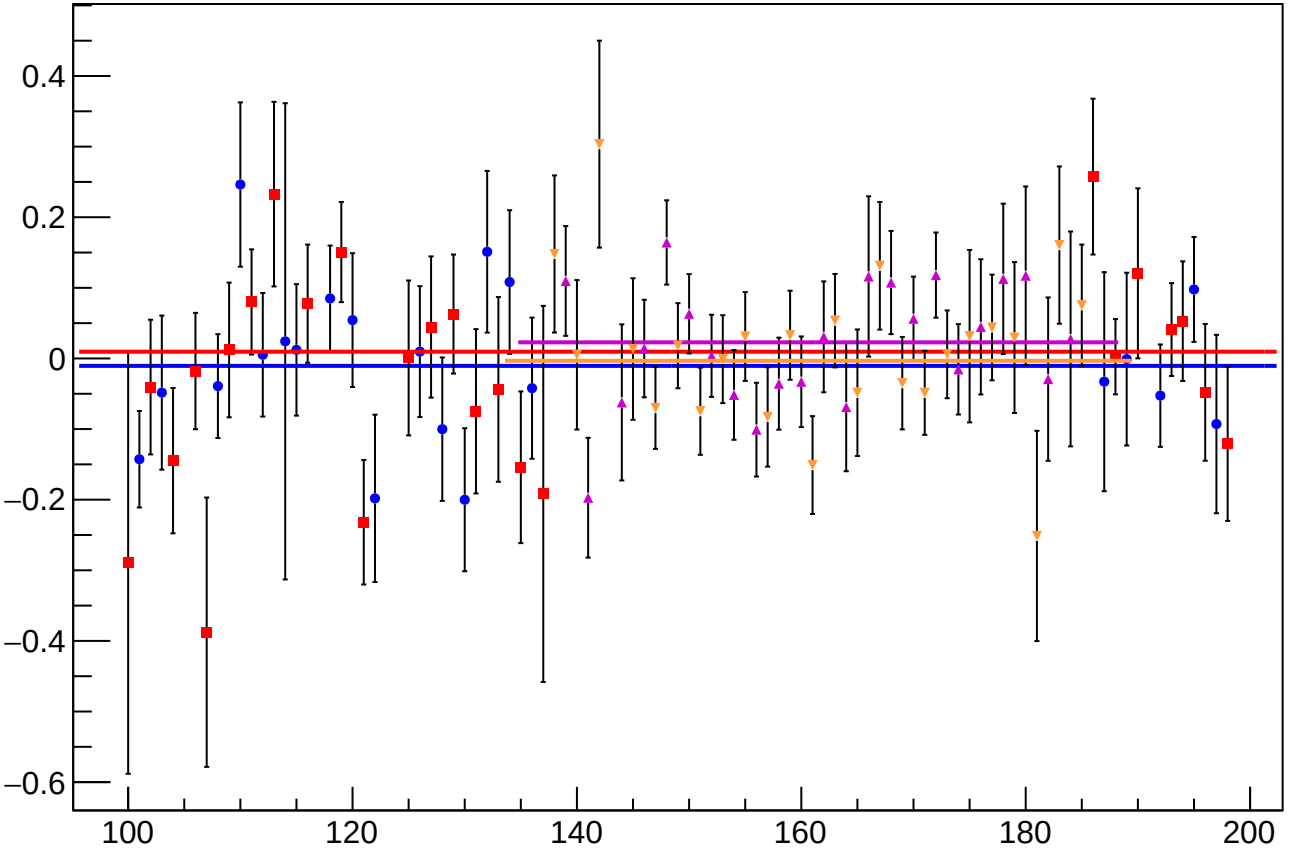
+ sign 0.000+/-0.000 χ^2/NDF: 36.5/44

All: 0.000+/-0.000 χ^2/NDF: 91.1/92

- sign 0.000+/-0.000 χ^2/NDF: 54.5/47


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4427539.7/20
Left Out: 0.000+/-0.000 χ²/NDF:4263140.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 4680779.4/24
Left In: 0.000+/-0.000 χ²/NDF:3256130.1/22
+ sign 0.000+/-0.000 χ²/NDF: 9896199.0/44
All: 0.000+/-0.000 χ²/NDF: 20254542.2/92
- sign 0.000+/-0.000 χ²/NDF: 10026100.4/47

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

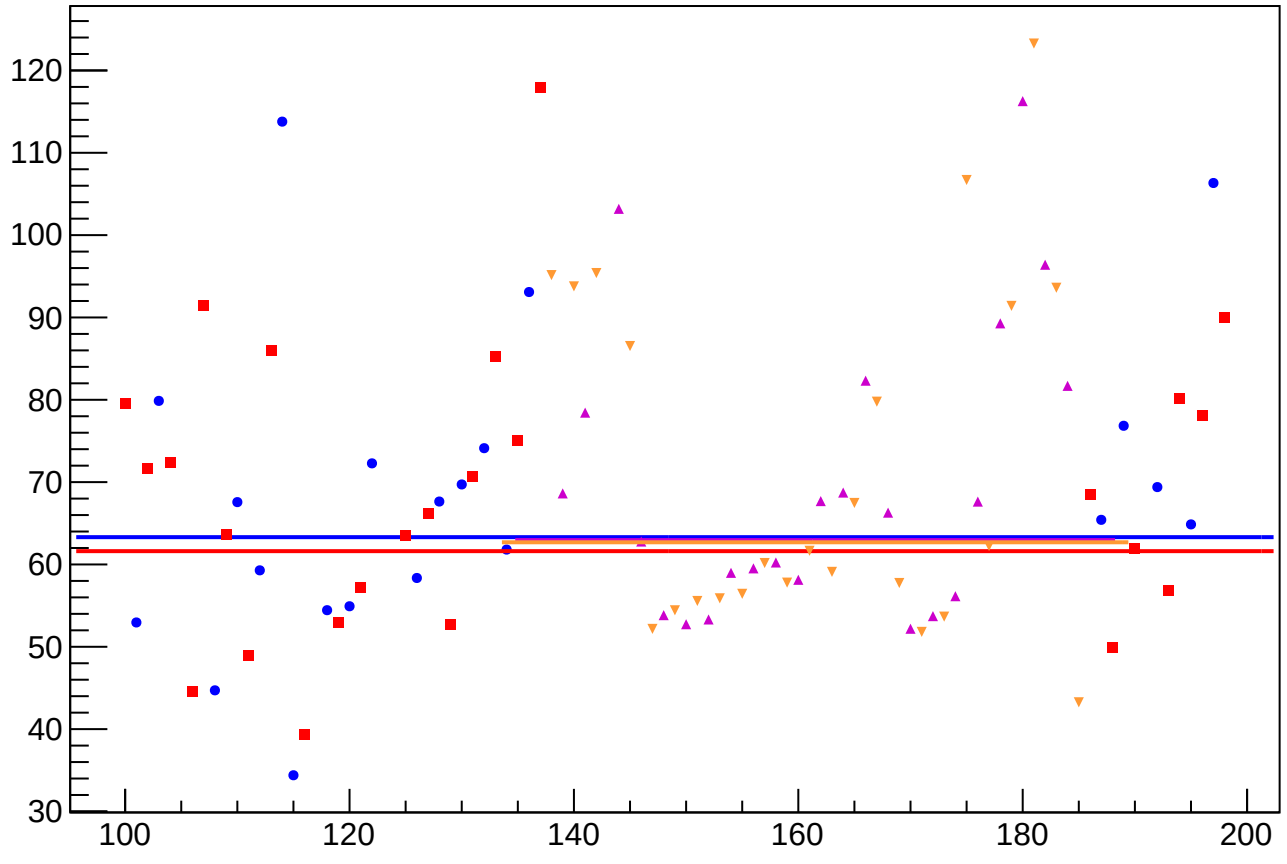
Right Out: 0.010+/-0.019 χ^2/NDF: 36.2/24

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

+ sign -0.006+/-0.012 χ^2/NDF: 50.3/44

All: 0.006+/-0.009 χ^2/NDF: 117.6/92

- sign 0.017+/-0.012 χ^2/NDF: 65.5/47



Right In: 63.316+/-0.015 χ^2/NDF: 1004707.5/20

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

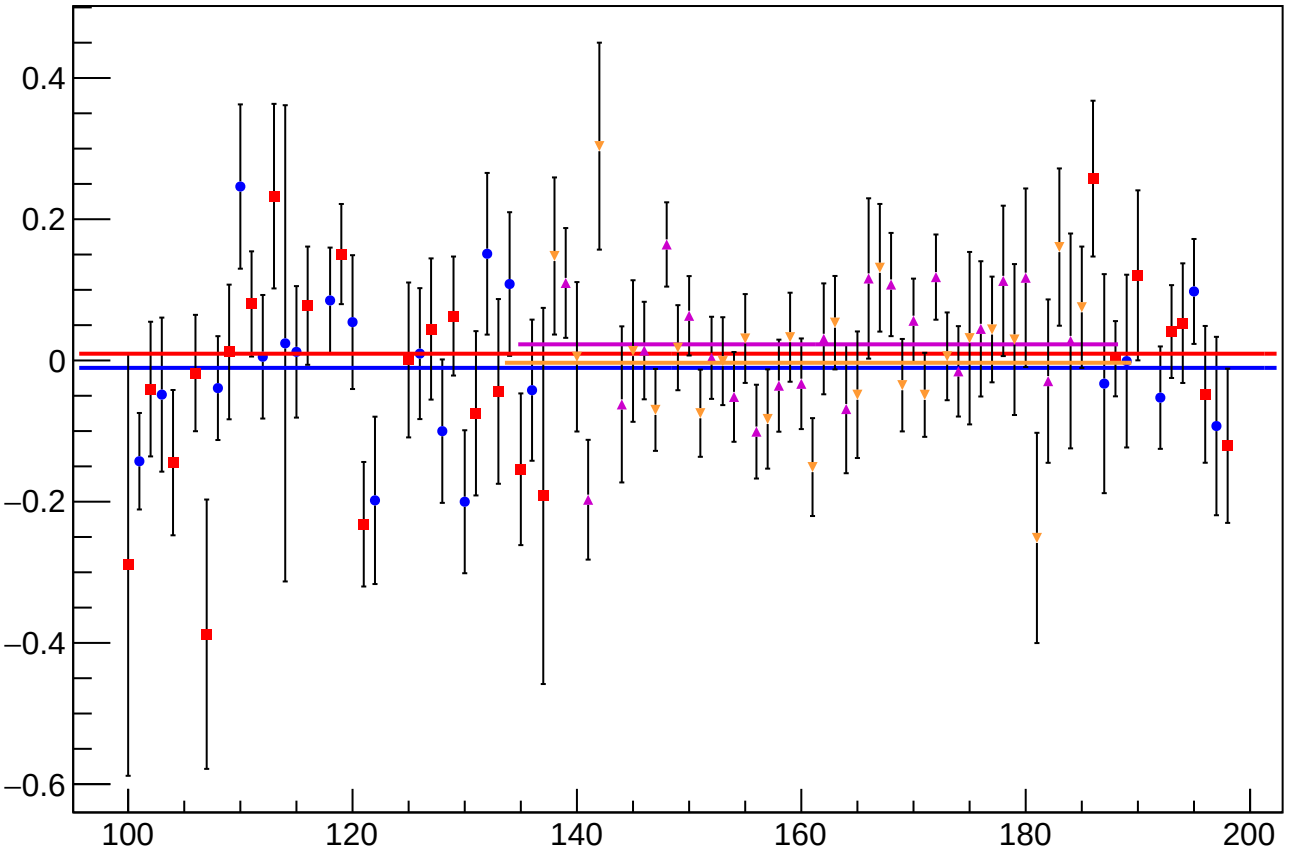
Right Out: 61.616+/-0.013 χ^2/NDF: 1119879.2/24

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

+ sign 62.915+/-0.009 χ^2/NDF: 2945257.2/44

All: 62.654+/-0.006 χ^2/NDF: 5503301.5/92

- sign 62.414+/-0.008 χ^2/NDF: 2556354.0/47



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

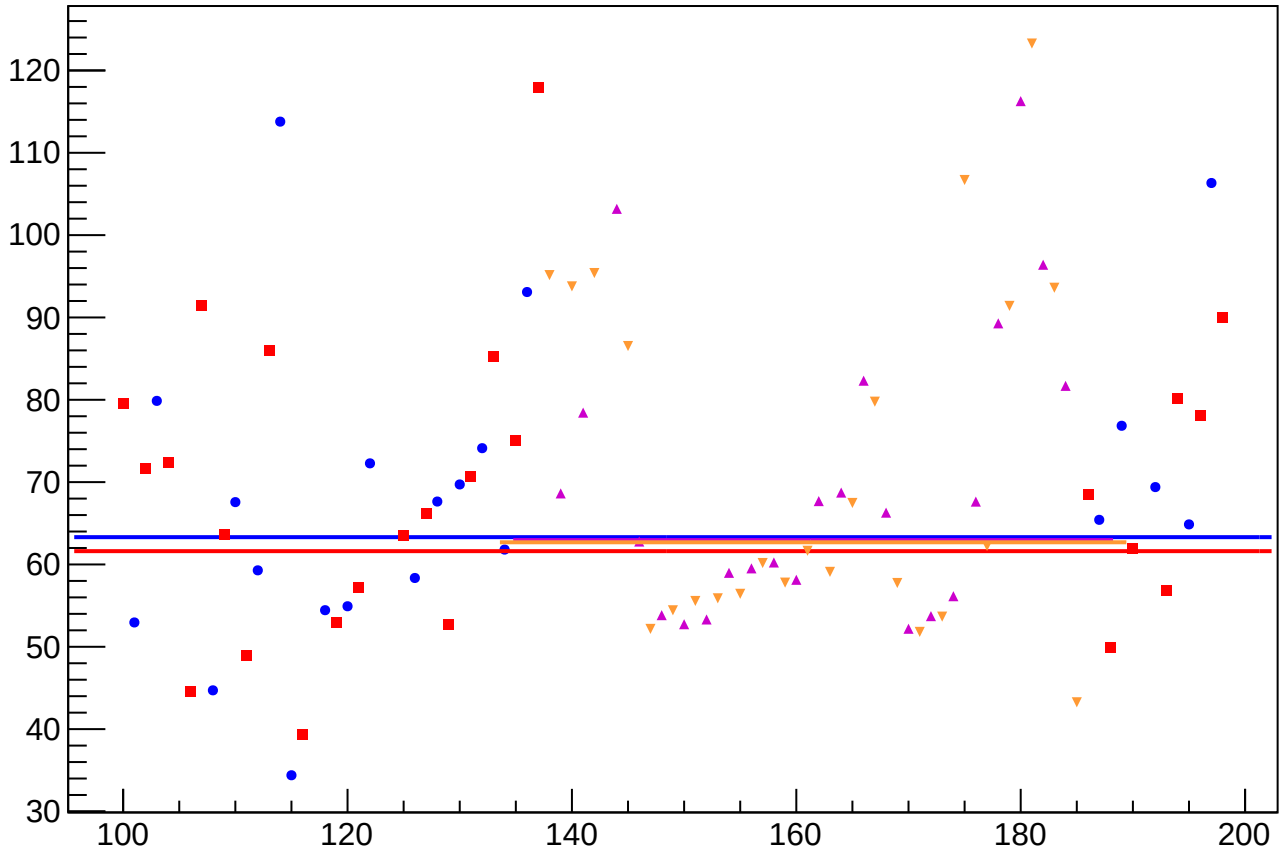
Right Out: 0.010+/-0.019 χ^2/NDF: 36.2/24

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

+ sign -0.006+/-0.012 χ^2/NDF: 50.3/44

All: 0.006+/-0.009 χ^2/NDF: 117.6/92

- sign 0.017+/-0.012 χ^2/NDF: 65.5/47



Right In: 63.316+/-0.015 χ^2/NDF: 1004707.5/20

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

Right Out: 61.616+/-0.013 χ^2/NDF: 1119879.2/24

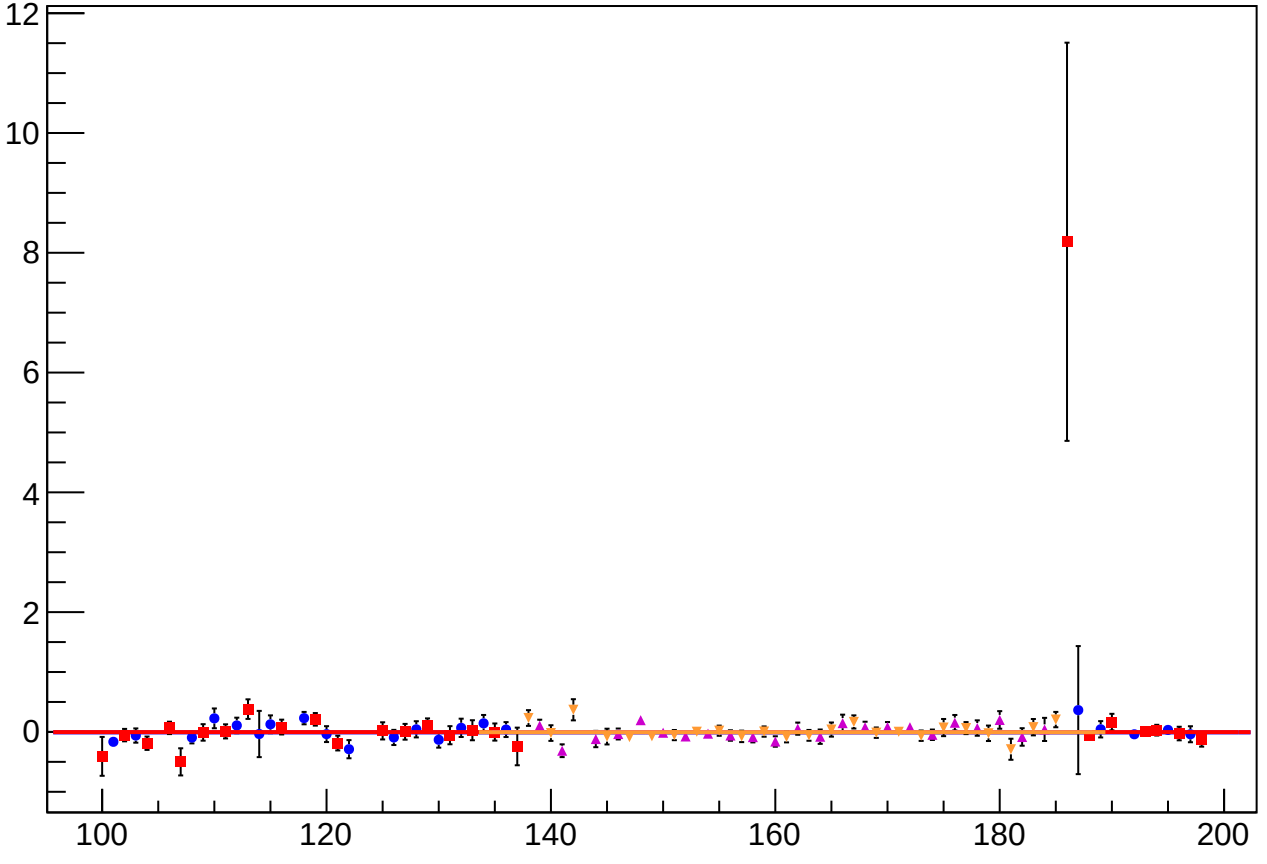
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.915+/-0.009 χ^2/NDF: 2945257.2/44

All: 62.654+/-0.006 χ^2/NDF: 5503301.5/92

- sign 62.414+/-0.008 χ^2/NDF: 2556354.0/47

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.008+/-0.027 χ^2/NDF: 20.9/20

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

Right Out: -0.003+/-0.024 χ^2/NDF: 33.3/24

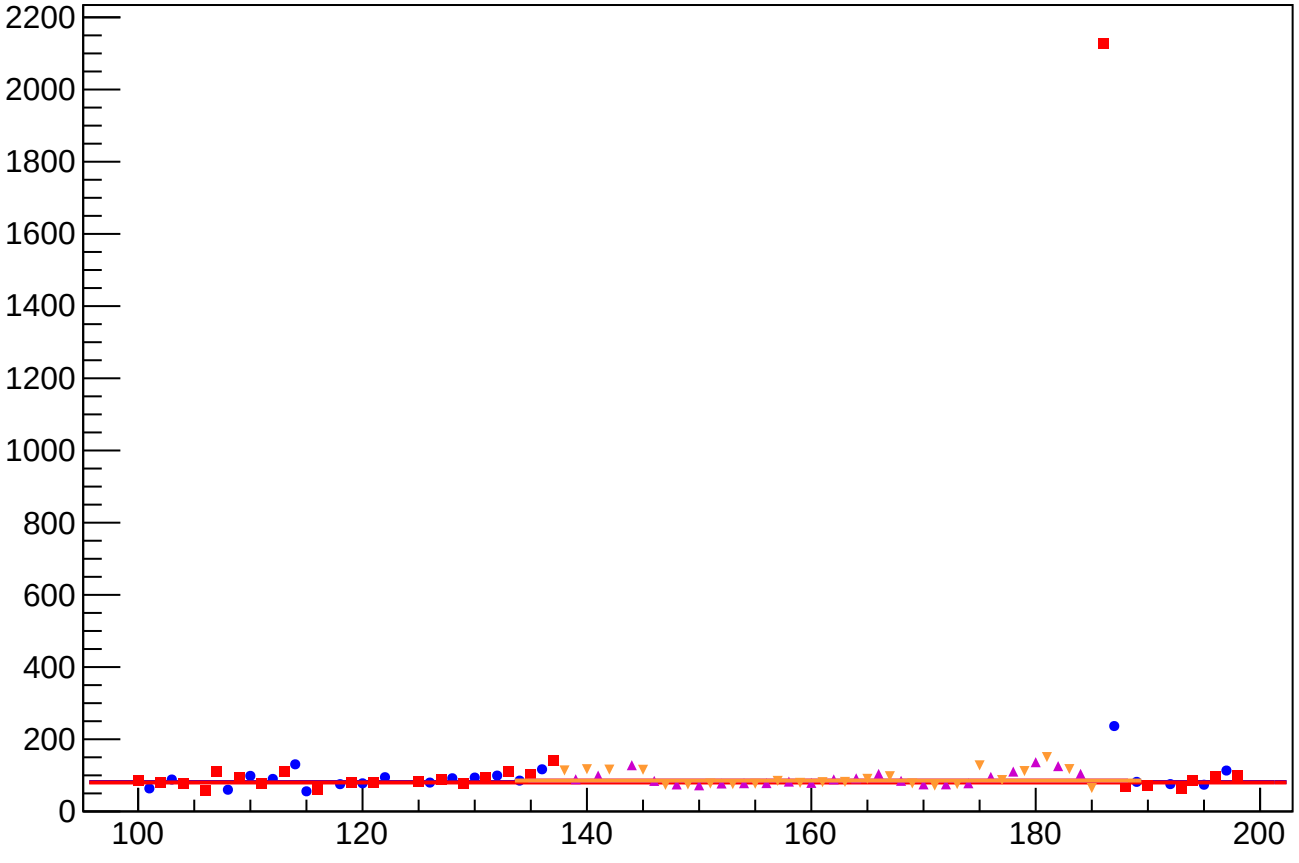
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.006+/-0.016 χ^2/NDF: 42.3/44

All: -0.004+/-0.011 χ^2/NDF: 106.1/92

- sign -0.002+/-0.016 χ^2/NDF: 63.8/47

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.582+/-0.019 χ^2/NDF: 744043.4/20

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

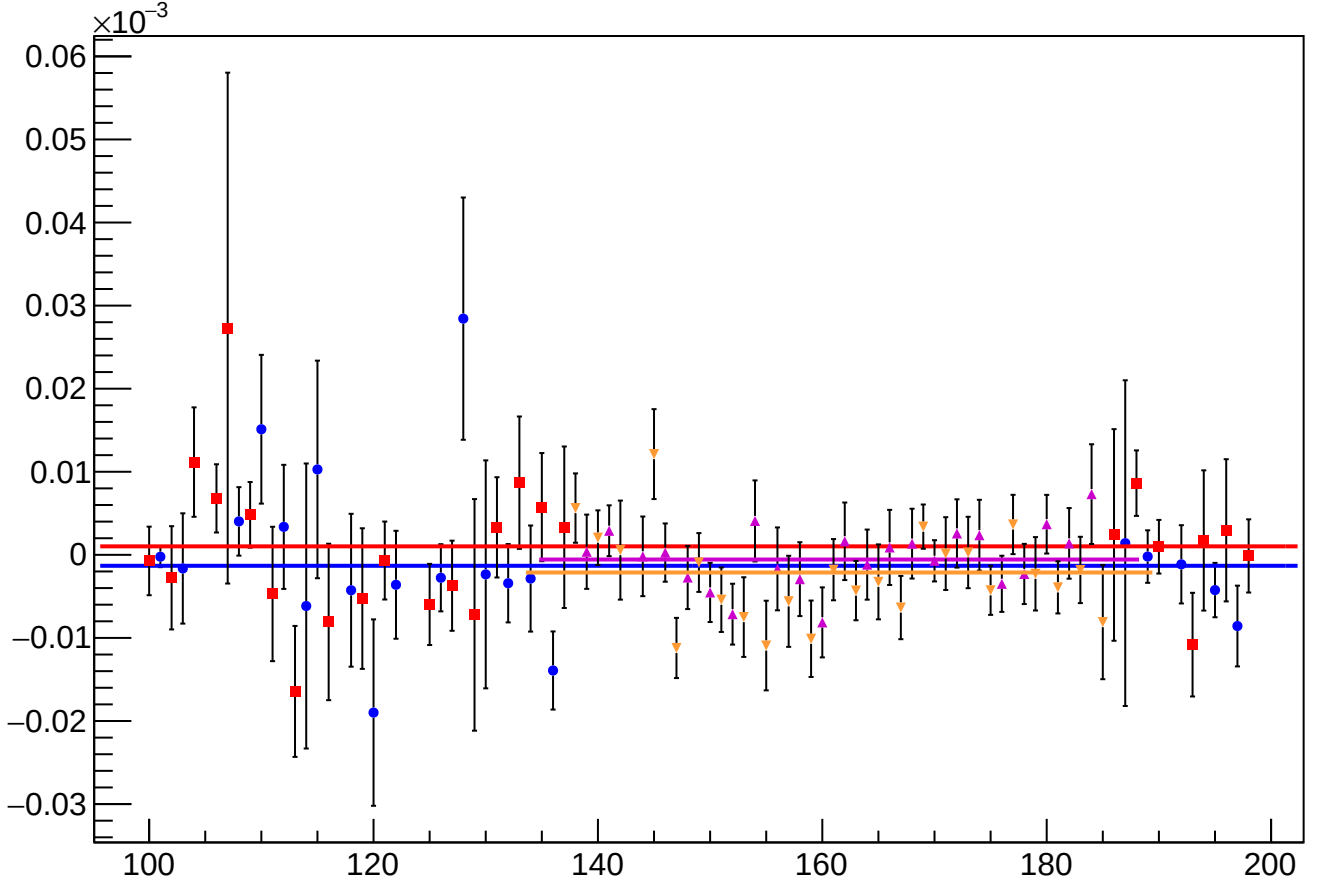
Right Out: 80.269+/-0.017 χ^2/NDF: 1512746.4/24

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

+ sign 84.116+/-0.012 χ^2/NDF: 2125990.4/44

All: 83.752+/-0.008 χ^2/NDF: 4693888.5/92

- sign 83.412+/-0.011 χ^2/NDF: 2565975.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/20

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

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

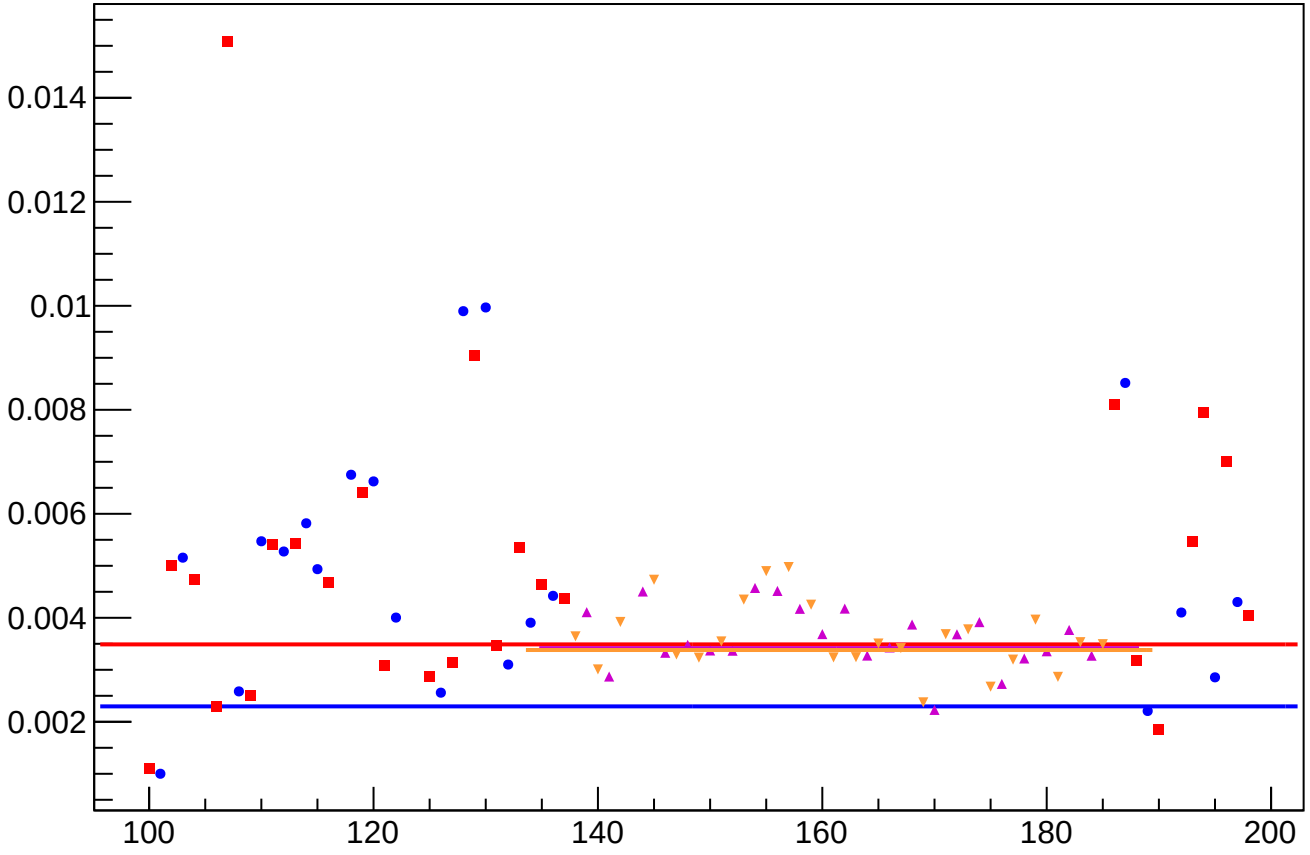
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.6/44

All: -0.000+/-0.000 χ^2/NDF: 110.1/92

- sign -0.000+/-0.000 χ^2/NDF: 43.7/47

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6813198.7/20

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

Right Out: 0.003+/-0.000 χ^2/NDF: 4413164.2/24

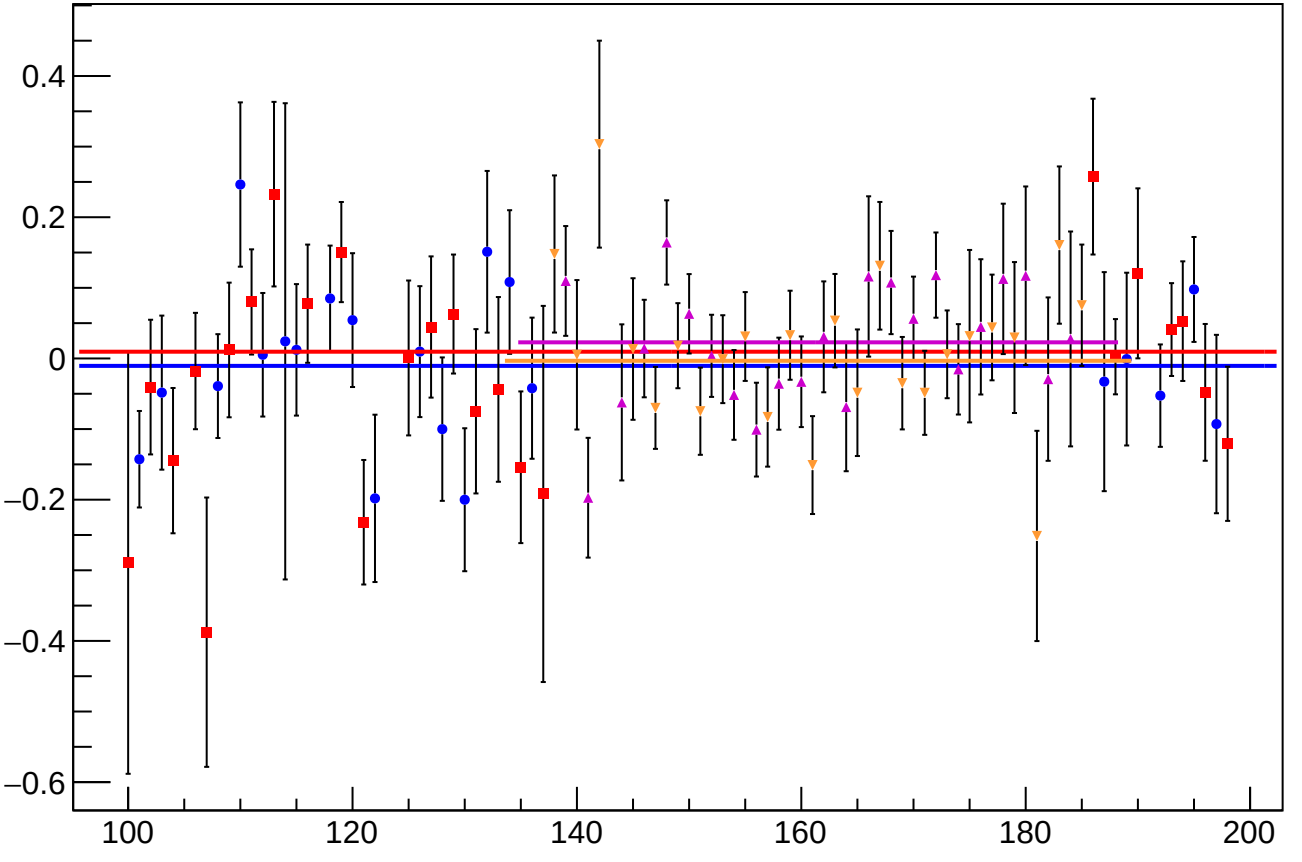
Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9642490.9/44

All: 0.003+/-0.000 χ^2/NDF: 15988162.4/92

- sign 0.003+/-0.000 χ^2/NDF: 5588871.4/47

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

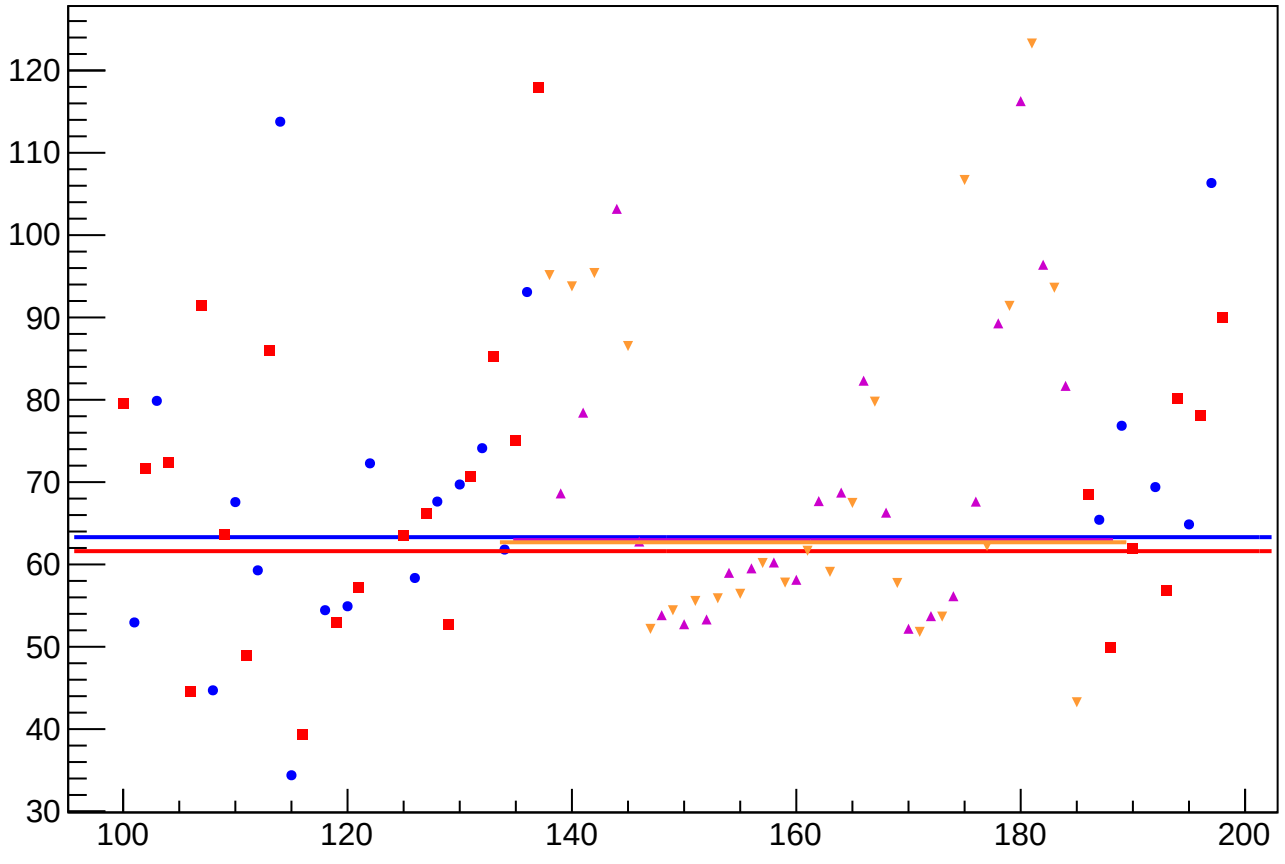
Right Out: 0.010+/-0.019 χ^2/NDF: 36.2/24

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

+ sign -0.006+/-0.012 χ^2/NDF: 50.3/44

All: 0.006+/-0.009 χ^2/NDF: 117.6/92

- sign 0.017+/-0.012 χ^2/NDF: 65.5/47



Right In: 63.315+/-0.015 χ^2/NDF: 1004746.5/20

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

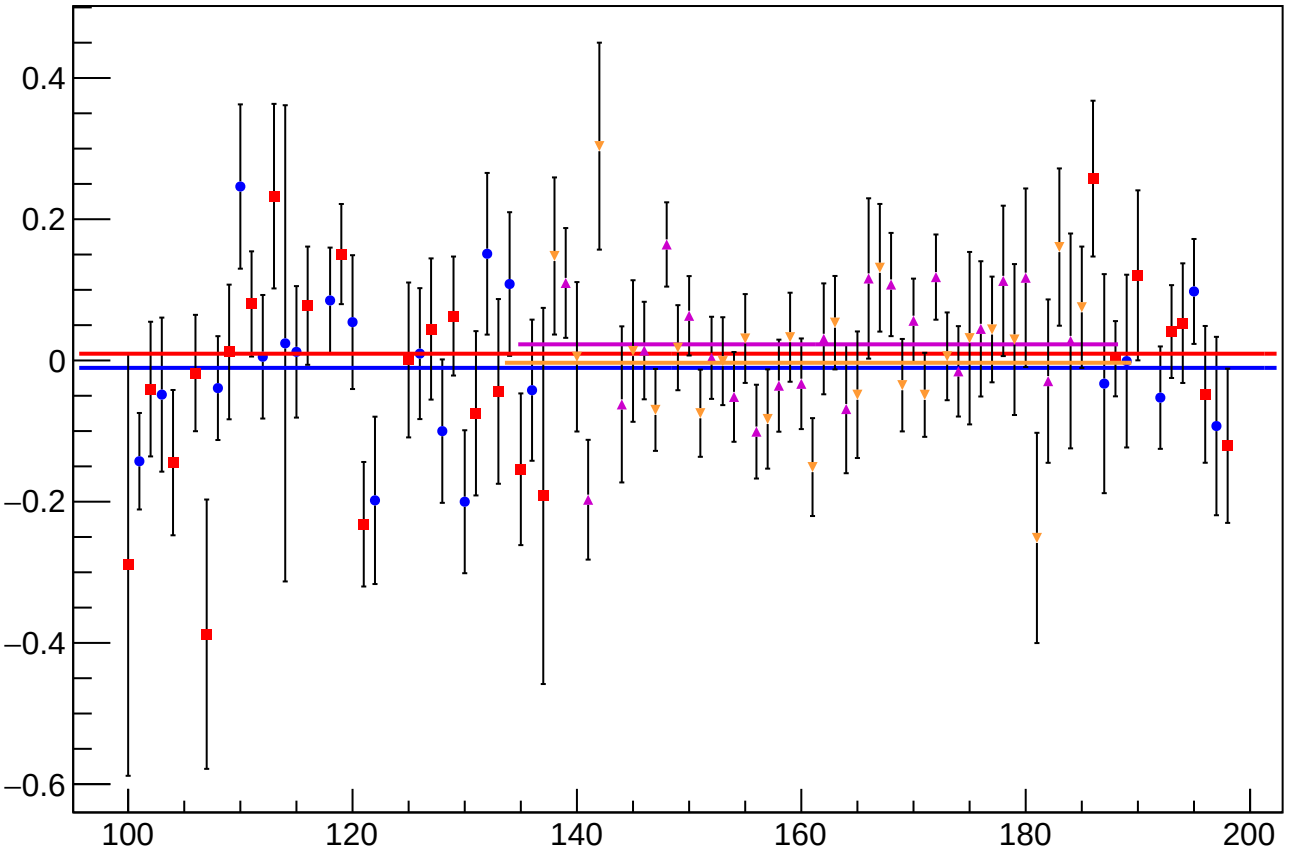
Right Out: 61.615+/-0.013 χ^2/NDF: 1119832.2/24

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

+ sign 62.915+/-0.009 χ^2/NDF: 2945272.9/44

All: 62.654+/-0.006 χ^2/NDF: 5503259.7/92

- sign 62.413+/-0.008 χ^2/NDF: 2556295.6/47



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

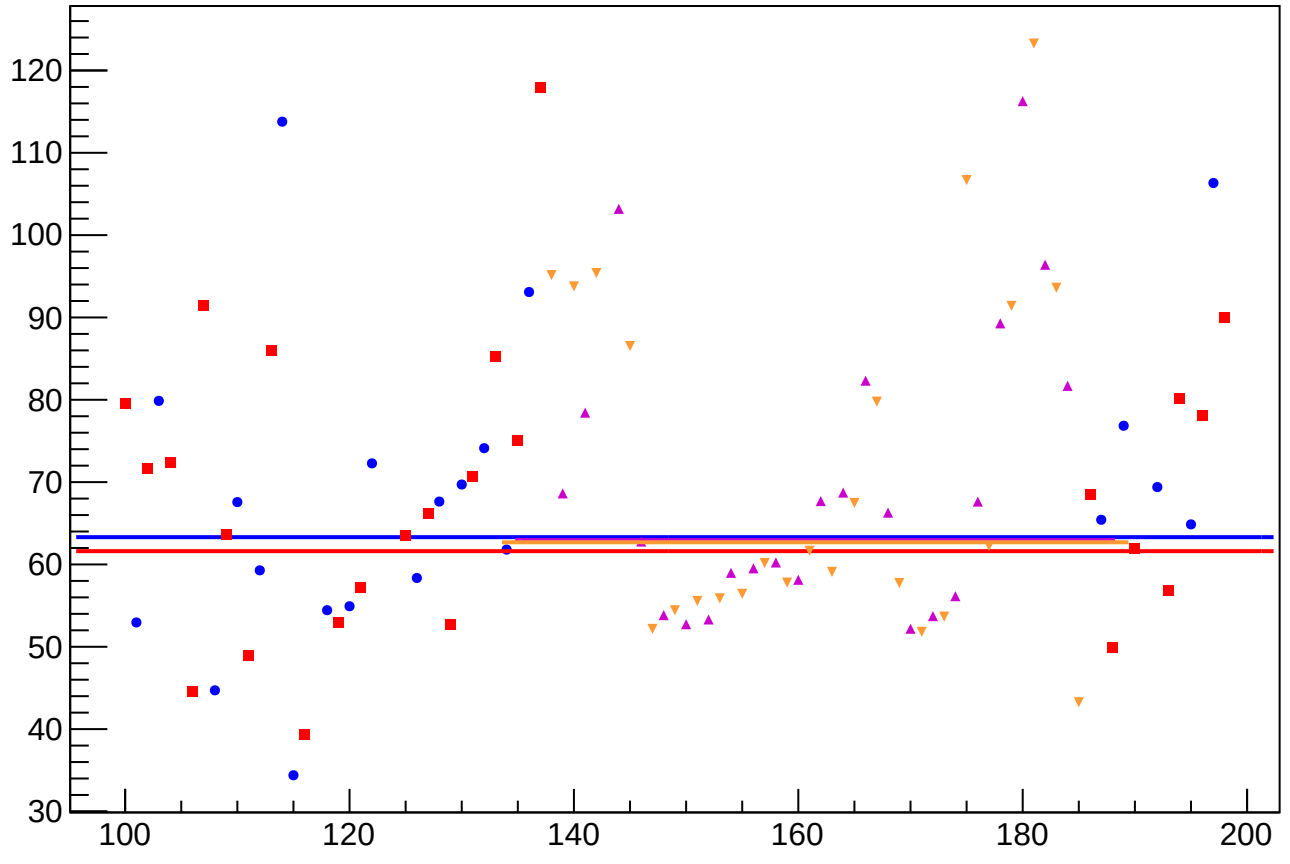
Right Out: 0.010+/-0.019 χ^2/NDF: 36.2/24

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

+ sign -0.006+/-0.012 χ^2/NDF: 50.3/44

All: 0.006+/-0.009 χ^2/NDF: 117.6/92

- sign 0.017+/-0.012 χ^2/NDF: 65.5/47



Right In: 63.315+/-0.015 χ^2/NDF: 1004746.5/20

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

Right Out: 61.615+/-0.013 χ^2/NDF: 1119832.2/24

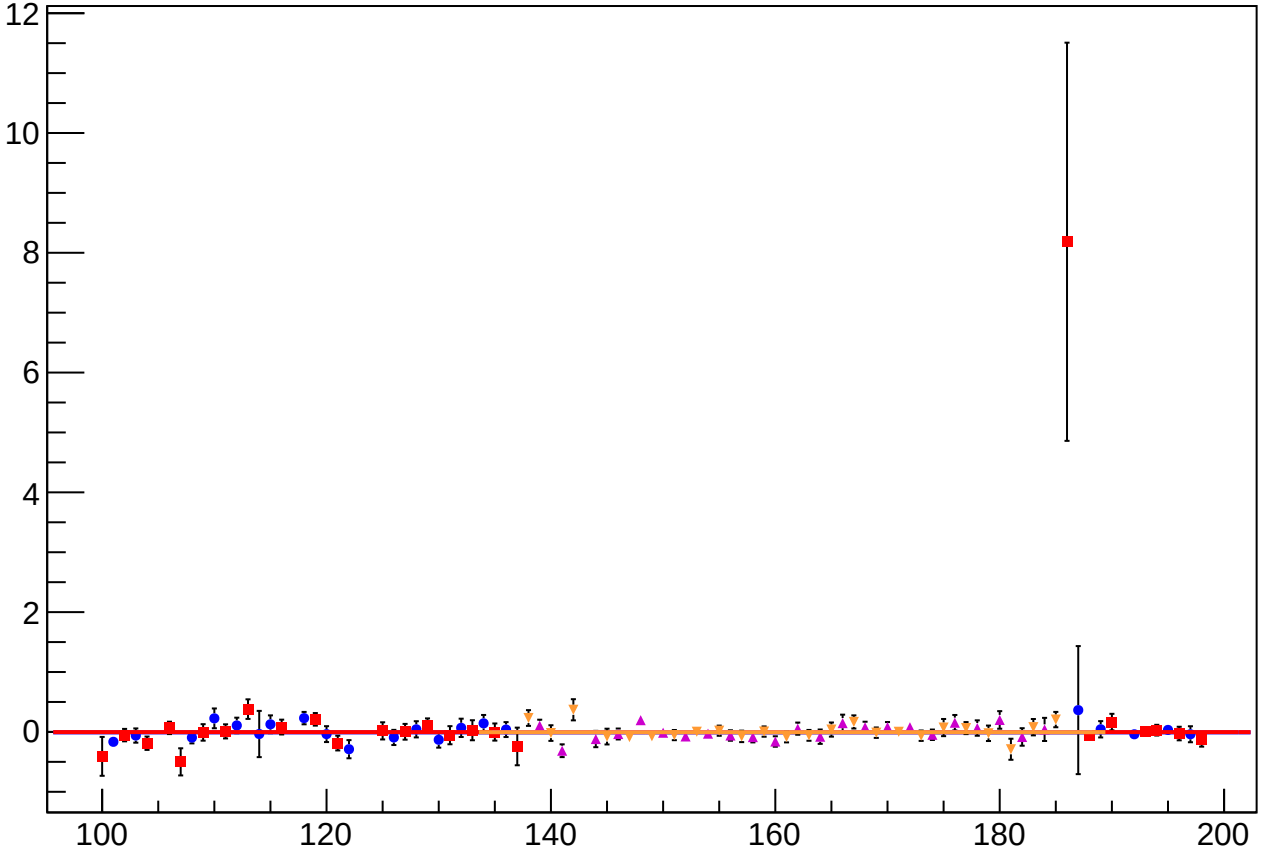
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 62.915+/-0.009 χ^2/NDF: 2945272.9/44

All: 62.654+/-0.006 χ^2/NDF: 5503259.7/92

- sign 62.413+/-0.008 χ^2/NDF: 2556295.6/47

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.008+/-0.027 χ^2/NDF: 20.9/20

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

Right Out: -0.003+/-0.024 χ^2/NDF: 33.3/24

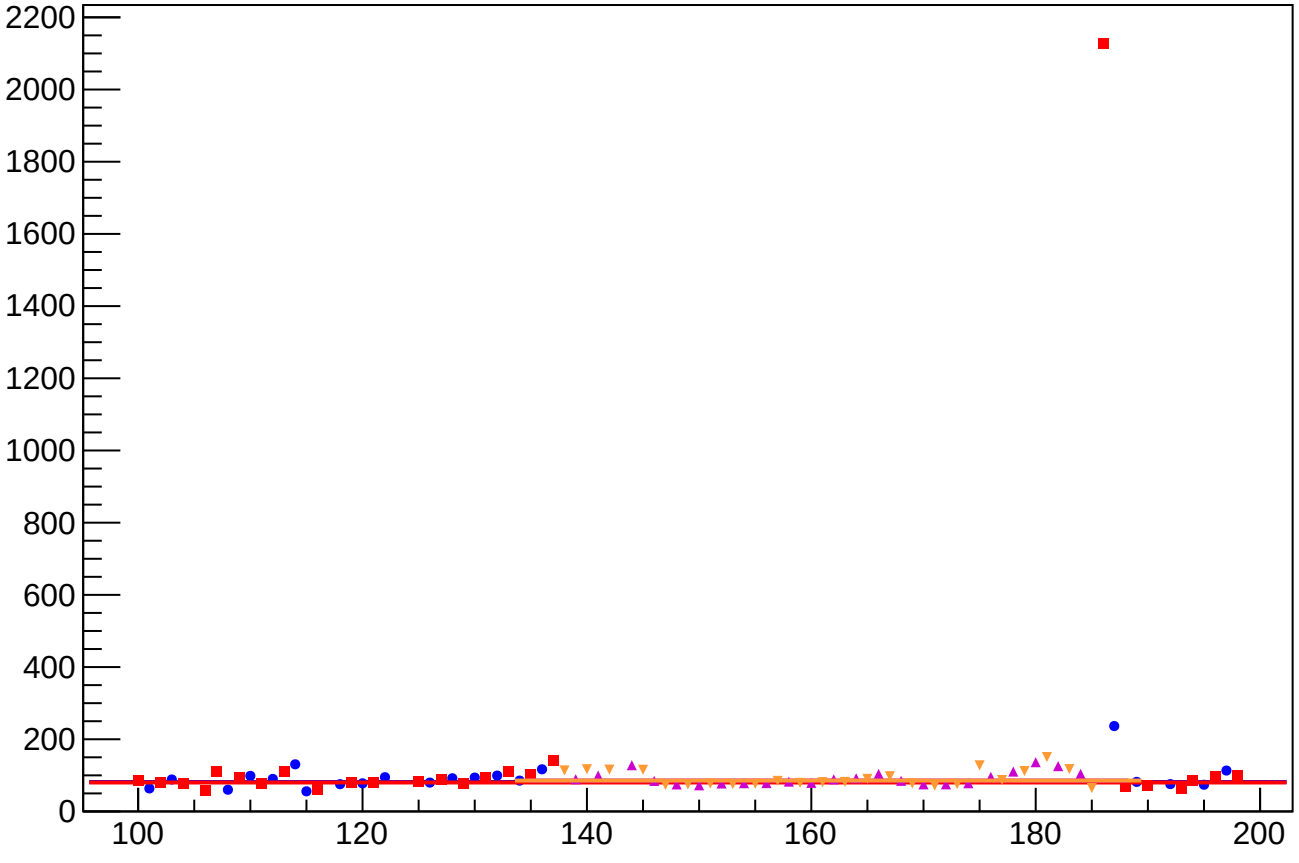
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.006+/-0.016 χ^2/NDF: 42.3/44

All: -0.004+/-0.011 χ^2/NDF: 106.1/92

- sign -0.002+/-0.016 χ^2/NDF: 63.8/47

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.581+/-0.019 χ^2/NDF: 744034.6/20

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

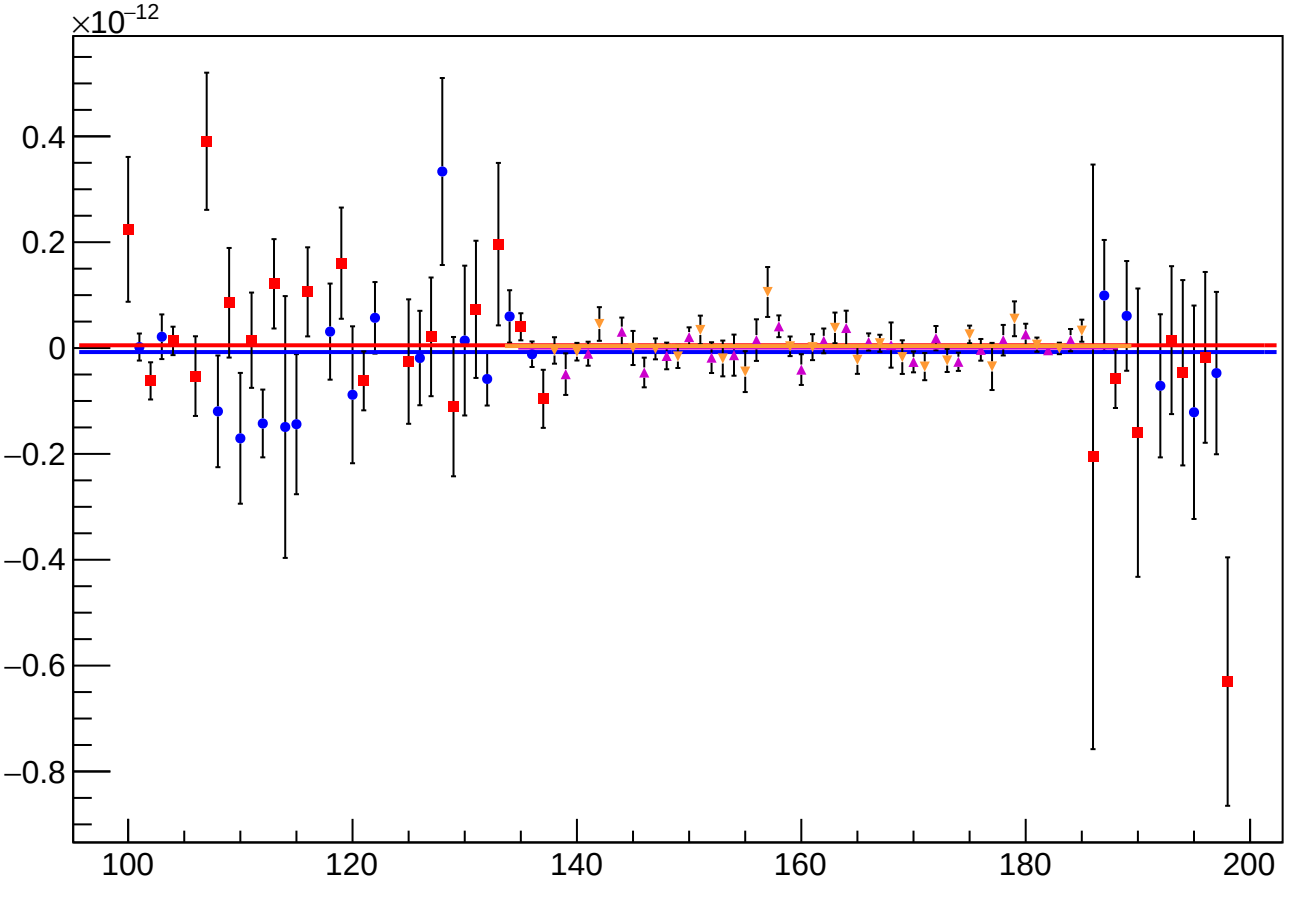
Right Out: 80.268+/-0.017 χ^2/NDF: 1512714.6/24

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

+ sign 84.116+/-0.012 χ^2/NDF: 2125987.9/44

All: 83.751+/-0.008 χ^2/NDF: 4693864.4/92

- sign 83.412+/-0.011 χ^2/NDF: 2565953.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/20

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

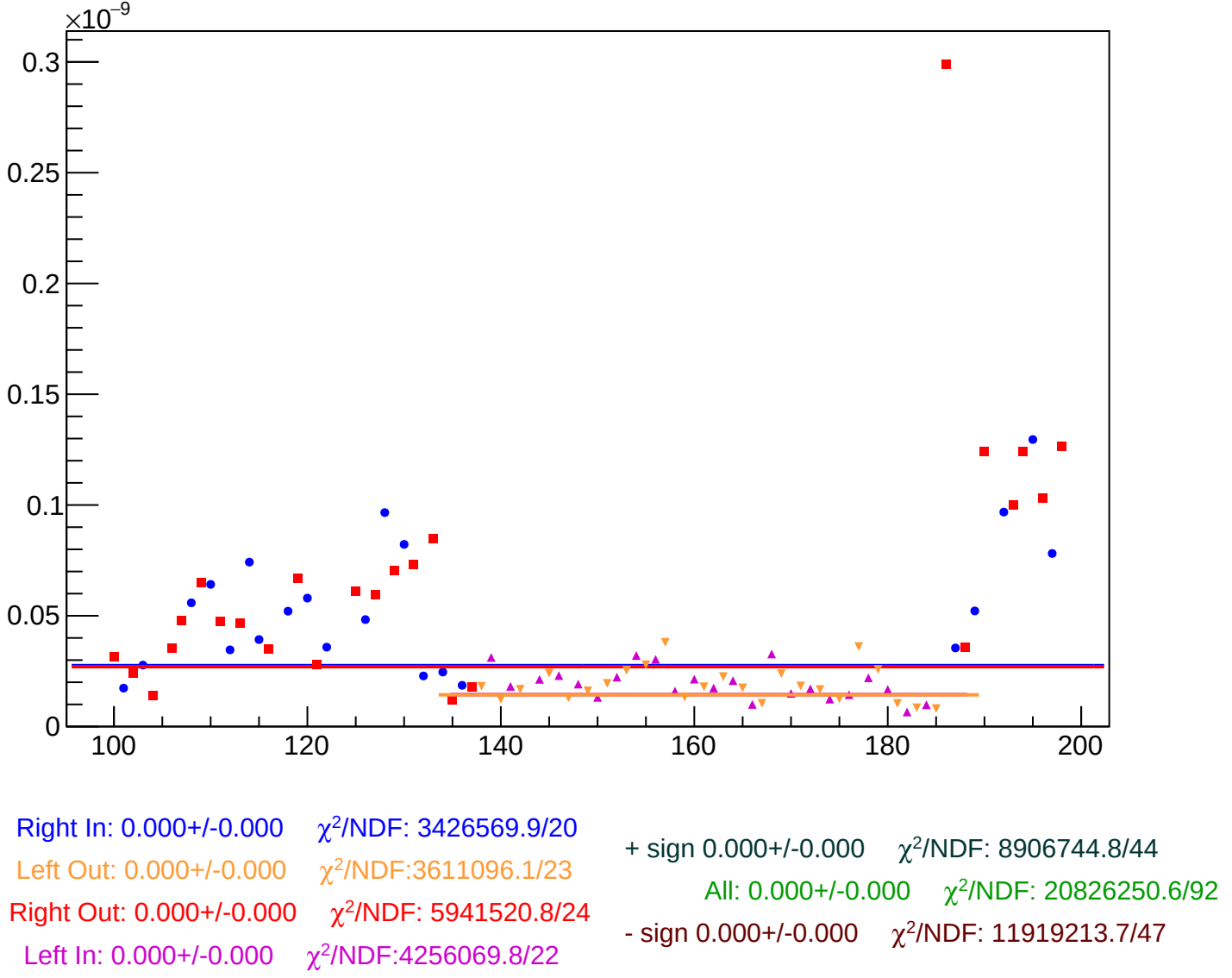
Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/24

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

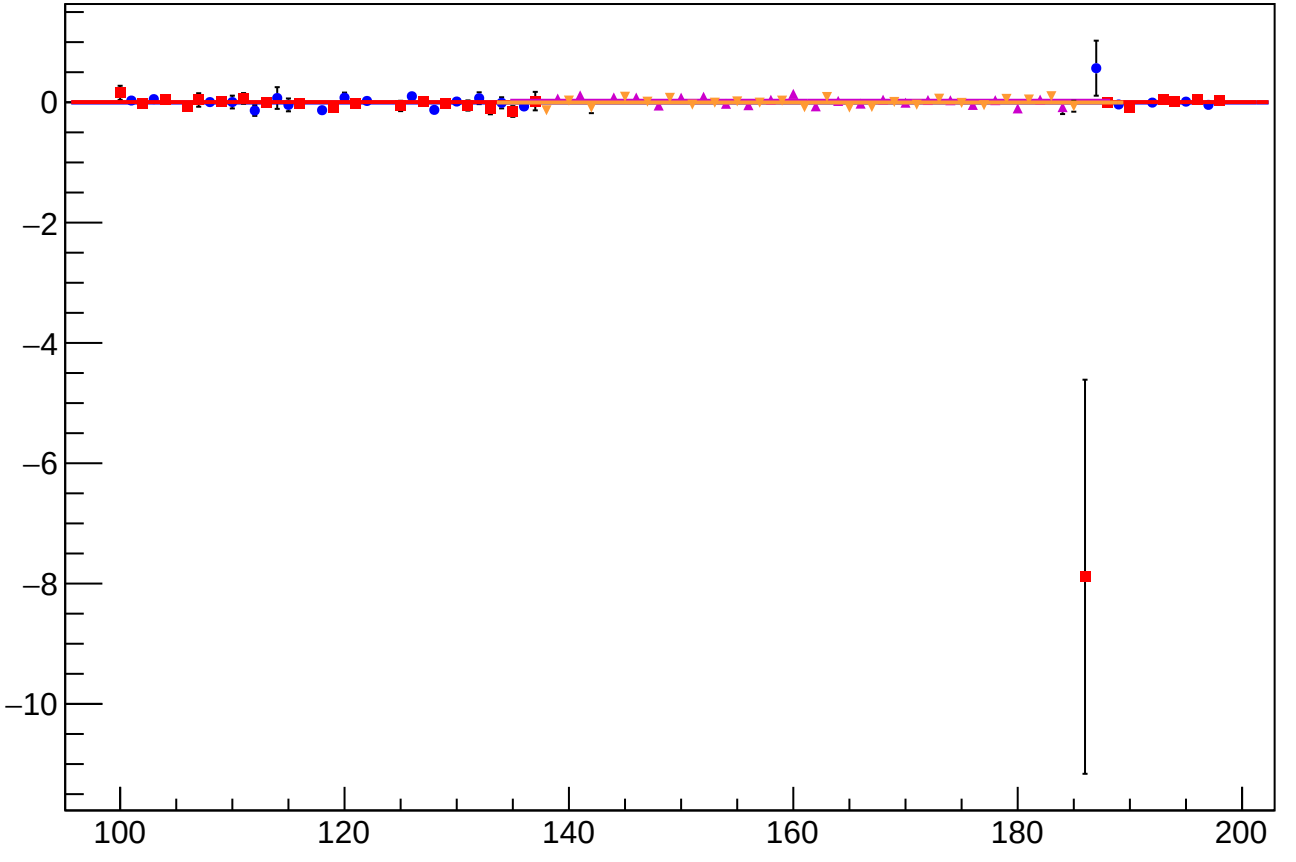
+ sign 0.000+/-0.000 χ^2/NDF: 45.2/44

All: 0.000+/-0.000 χ^2/NDF: 109.6/92

- sign 0.000+/-0.000 χ^2/NDF: 64.3/47


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: 3426569.9/20
Left Out: 0.000+/-0.000 χ²/NDF:3611096.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 5941520.8/24
Left In: 0.000+/-0.000 χ²/NDF:4256069.8/22
+ sign 0.000+/-0.000 χ²/NDF: 8906744.8/44
All: 0.000+/-0.000 χ²/NDF: 20826250.6/92
- sign 0.000+/-0.000 χ²/NDF: 11919213.7/47

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.011 χ^2/NDF: 19.6/20

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

Right Out: 0.003+/-0.010 χ^2/NDF: 28.9/24

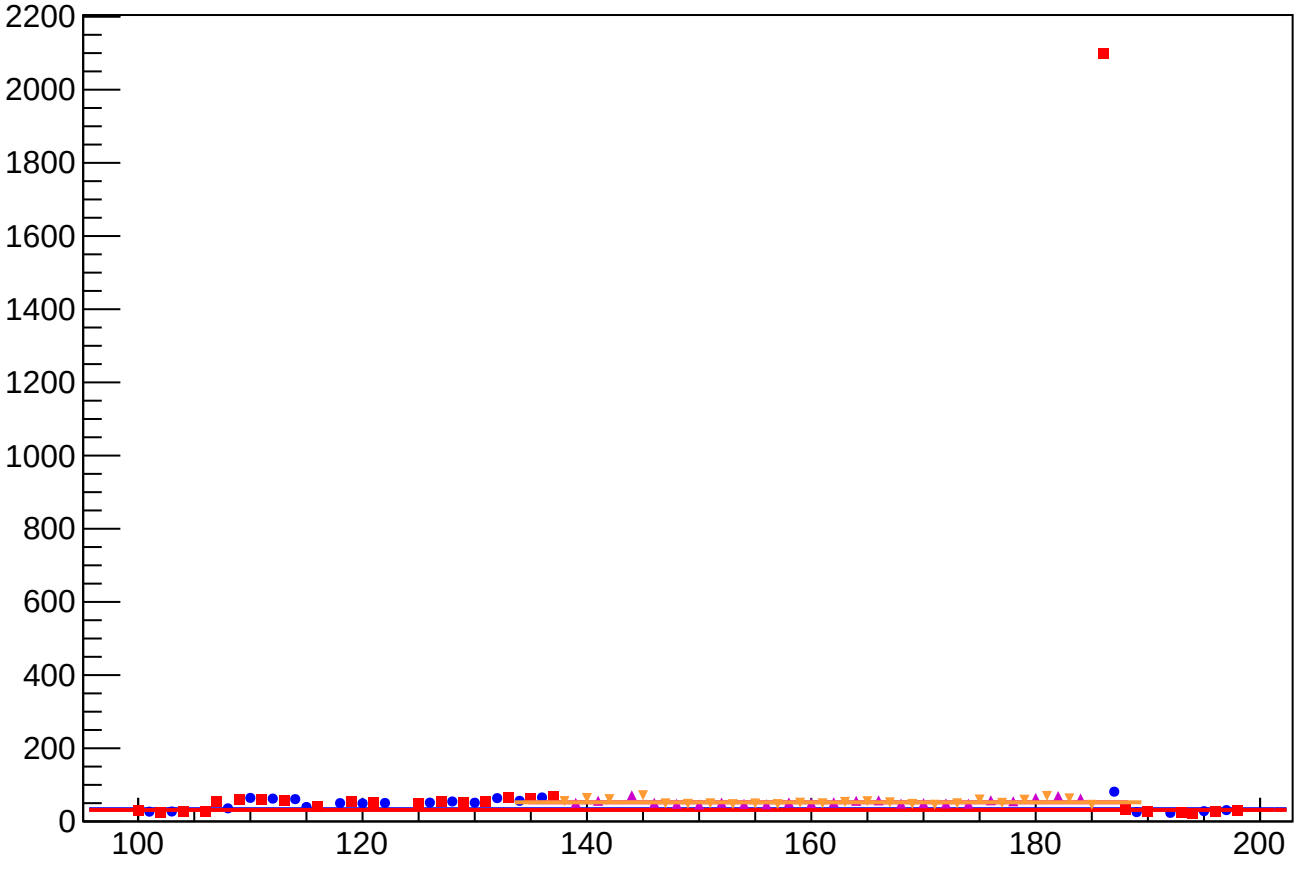
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.004+/-0.008 χ^2/NDF: 42.7/44

All: 0.005+/-0.006 χ^2/NDF: 99.6/92

- sign 0.012+/-0.008 χ^2/NDF: 55.0/47

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.470+/-0.008 χ^2/NDF: 2445085.6/20

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

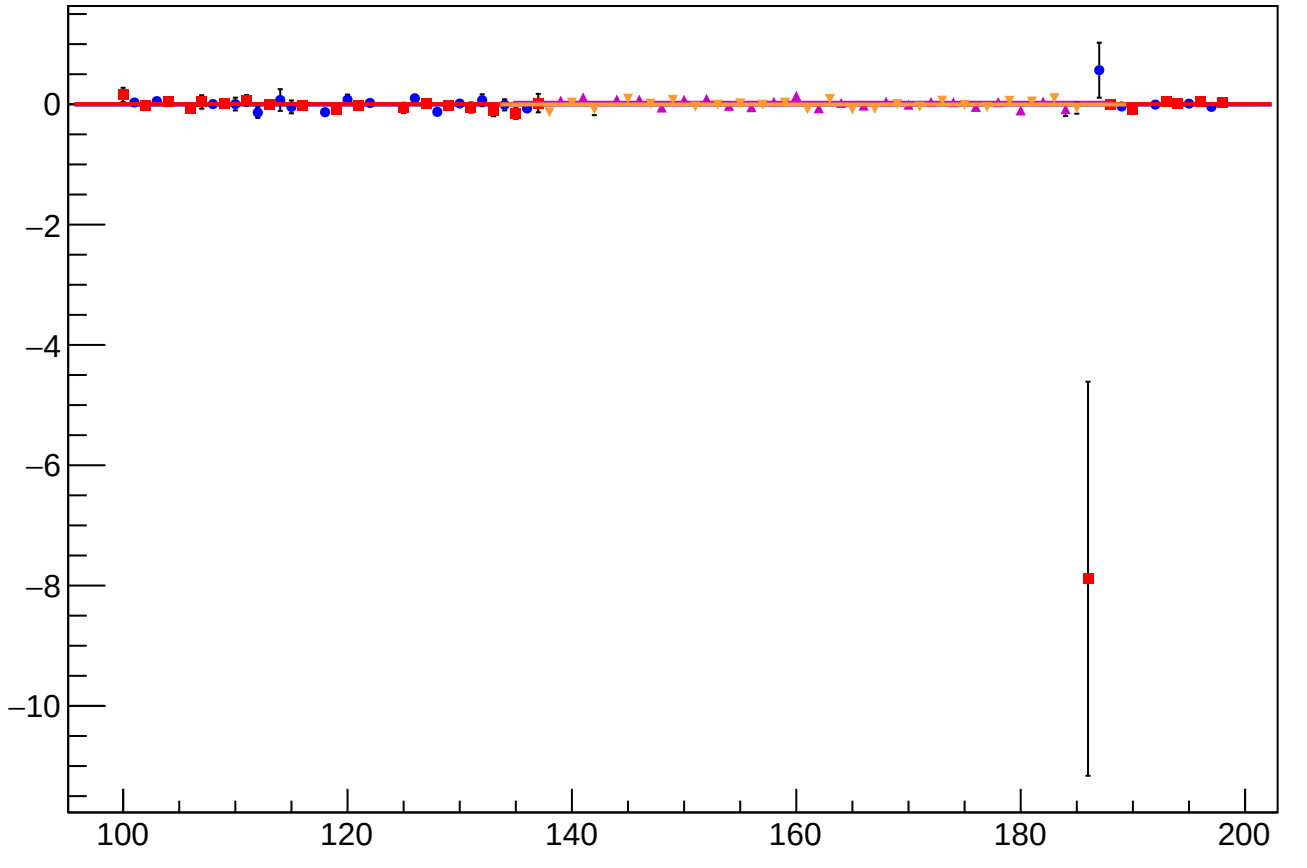
Right Out: 31.509+/-0.007 χ^2/NDF: 3578519.0/24

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

+ sign 42.049+/-0.006 χ^2/NDF: 5494313.7/44

All: 40.797+/-0.004 χ^2/NDF: 13026443.4/92

- sign 39.704+/-0.006 χ^2/NDF: 7448352.2/47



Right In: -0.004+/-0.011 χ^2/NDF: 19.6/20

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

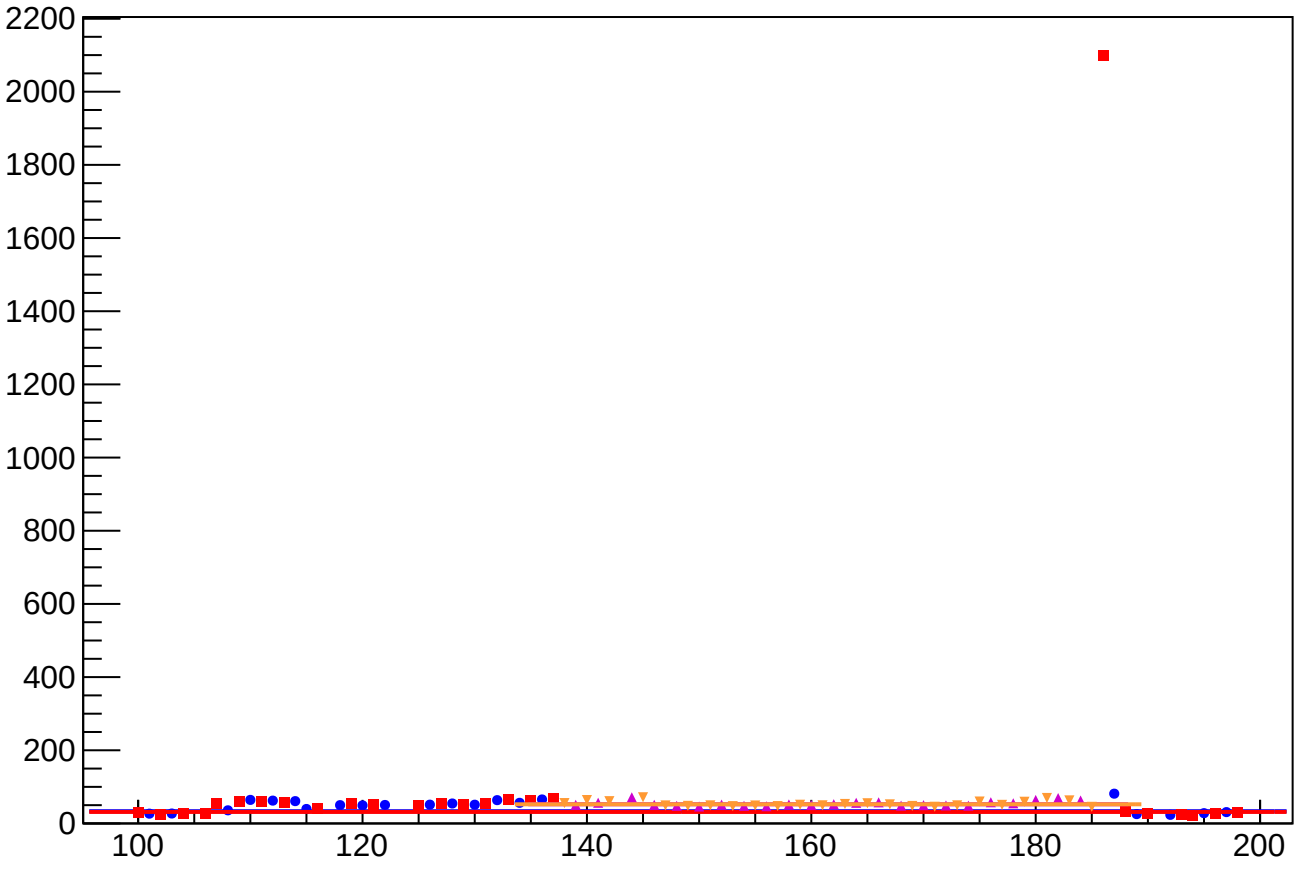
Right Out: 0.003+/-0.010 χ^2/NDF: 28.9/24

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

+ sign -0.004+/-0.008 χ^2/NDF: 42.7/44

All: 0.005+/-0.006 χ^2/NDF: 99.6/92

- sign 0.012+/-0.008 χ^2/NDF: 55.0/47



Right In: 33.470+/-0.008 χ^2/NDF: 2445085.6/20

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

Right Out: 31.509+/-0.007 χ^2/NDF: 3578519.0/24

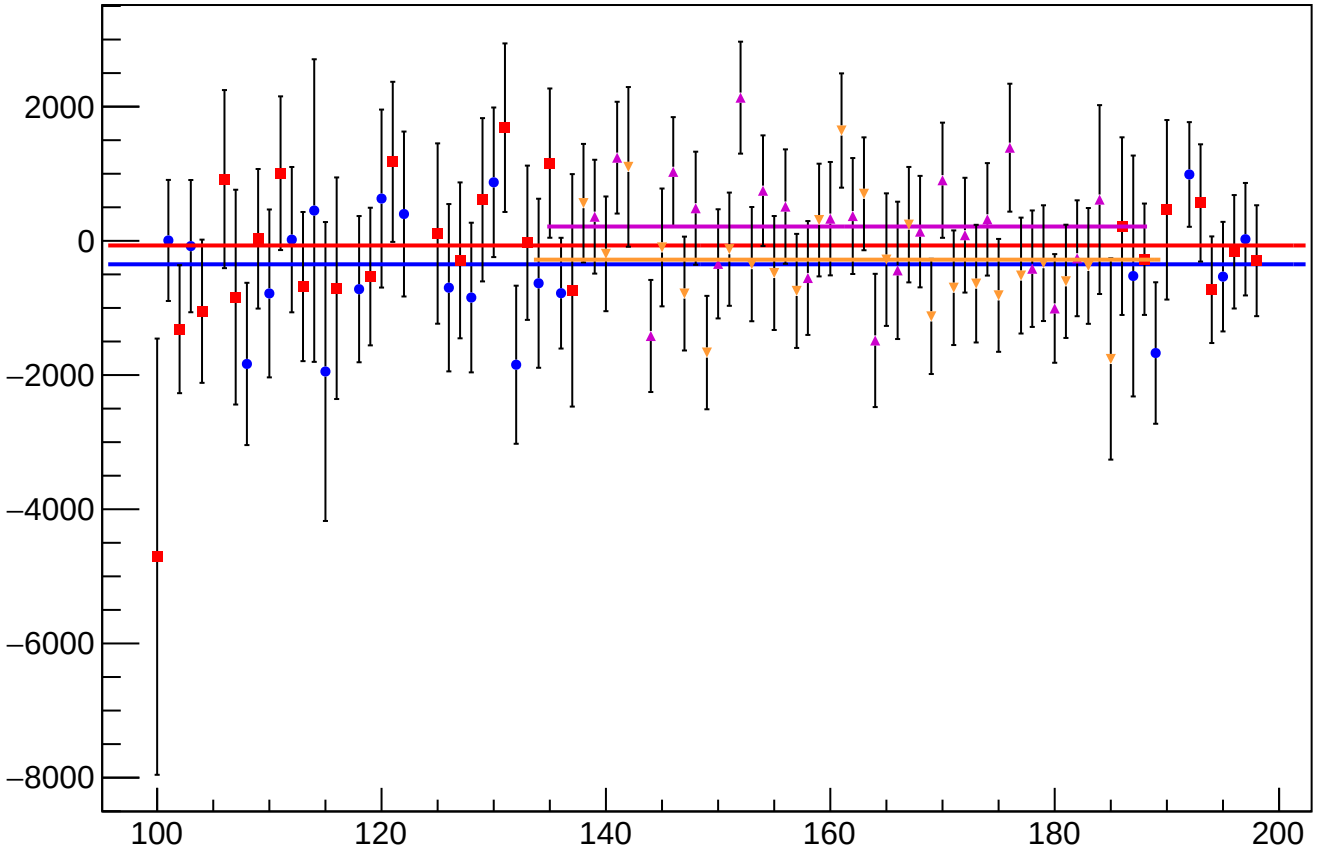
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 42.049+/-0.006 χ^2/NDF: 5494313.7/44

All: 40.797+/-0.004 χ^2/NDF: 13026443.4/92

- sign 39.704+/-0.006 χ^2/NDF: 7448352.2/47

reg_asym_us_dd_mean vs Slug



Right In: -349.561+/-237.328 χ^2/NDF: 11.8/20

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

Right Out: -68.855+/-221.464 χ^2/NDF: 13.3/24

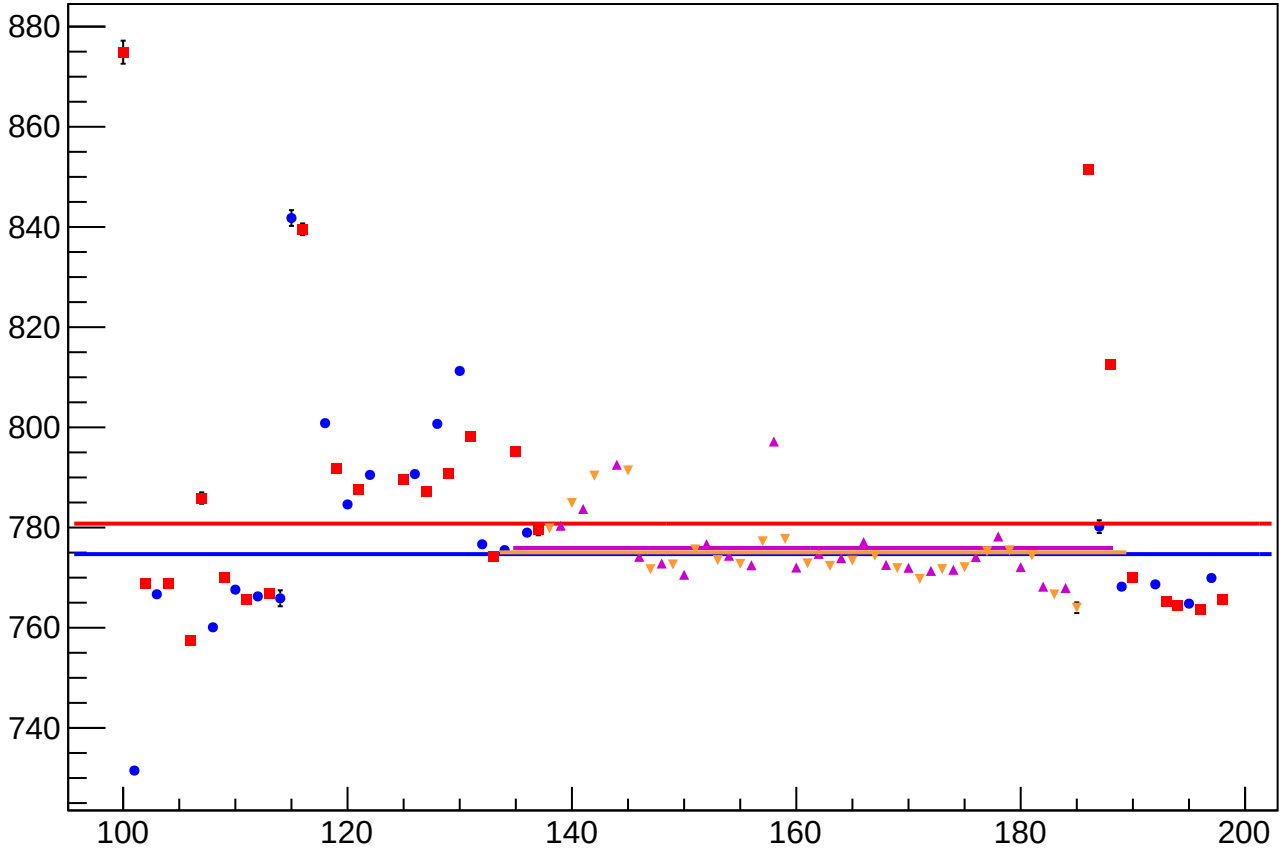
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -305.612+/-143.356 χ^2/NDF: 28.0/44

All: -98.198+/-100.243 χ^2/NDF: 68.7/92

- sign 100.256+/-140.226 χ^2/NDF: 36.6/47

reg_asym_us_dd_rms vs Slug



Right In: 774.696+/-0.168 χ^2/NDF: 12840.1/20

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

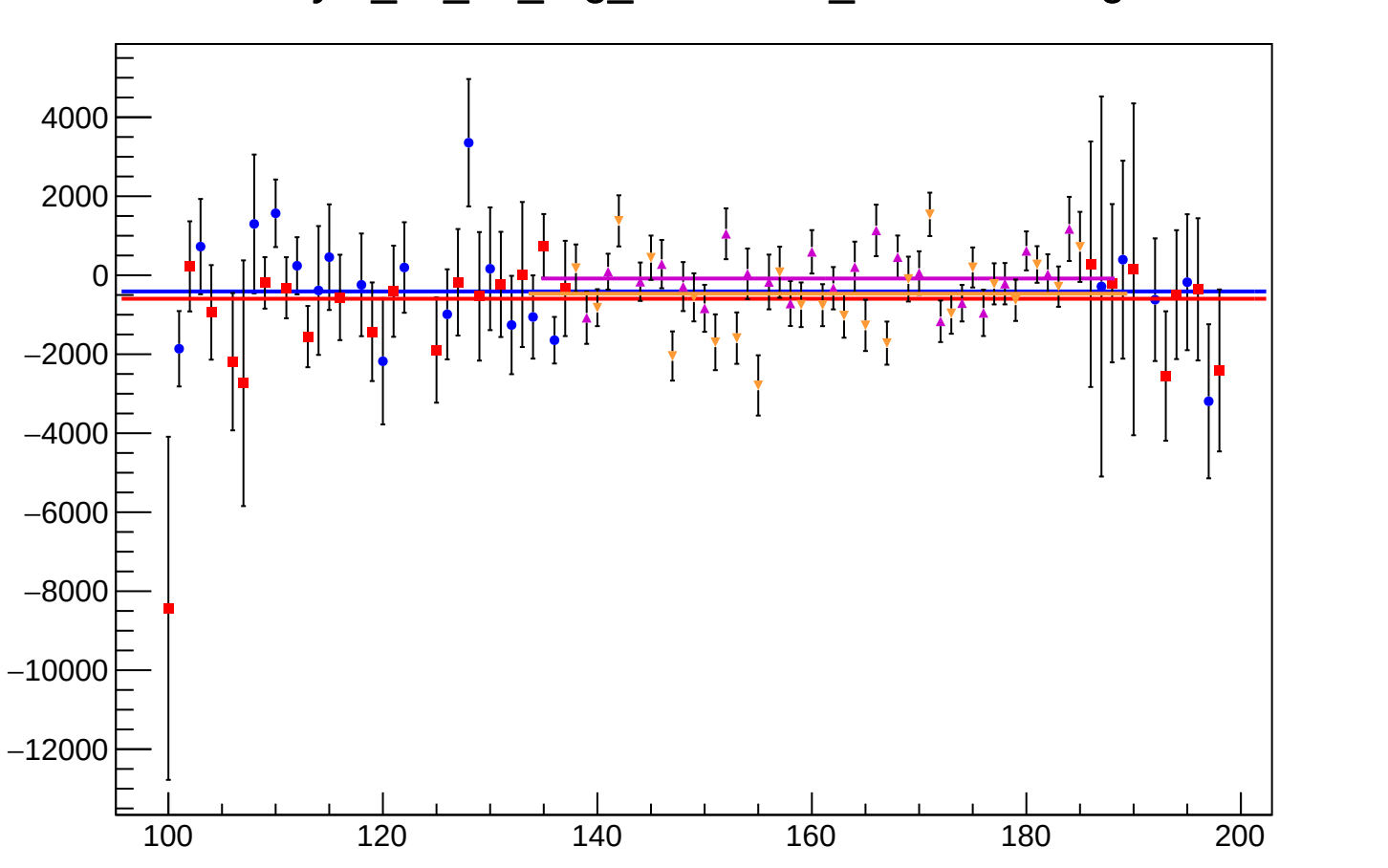
Right Out: 780.784+/-0.157 χ^2/NDF: 19418.3/24

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

+ sign 774.920+/-0.101 χ^2/NDF: 14794.2/44

All: 776.428+/-0.071 χ^2/NDF: 38196.1/92

- sign 777.871+/-0.099 χ^2/NDF: 22968.8/47



Right In: -410.097+/-255.849 χ^2/NDF: 25.5/20

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

Right Out: -595.385+/-248.673 χ^2/NDF: 14.1/24

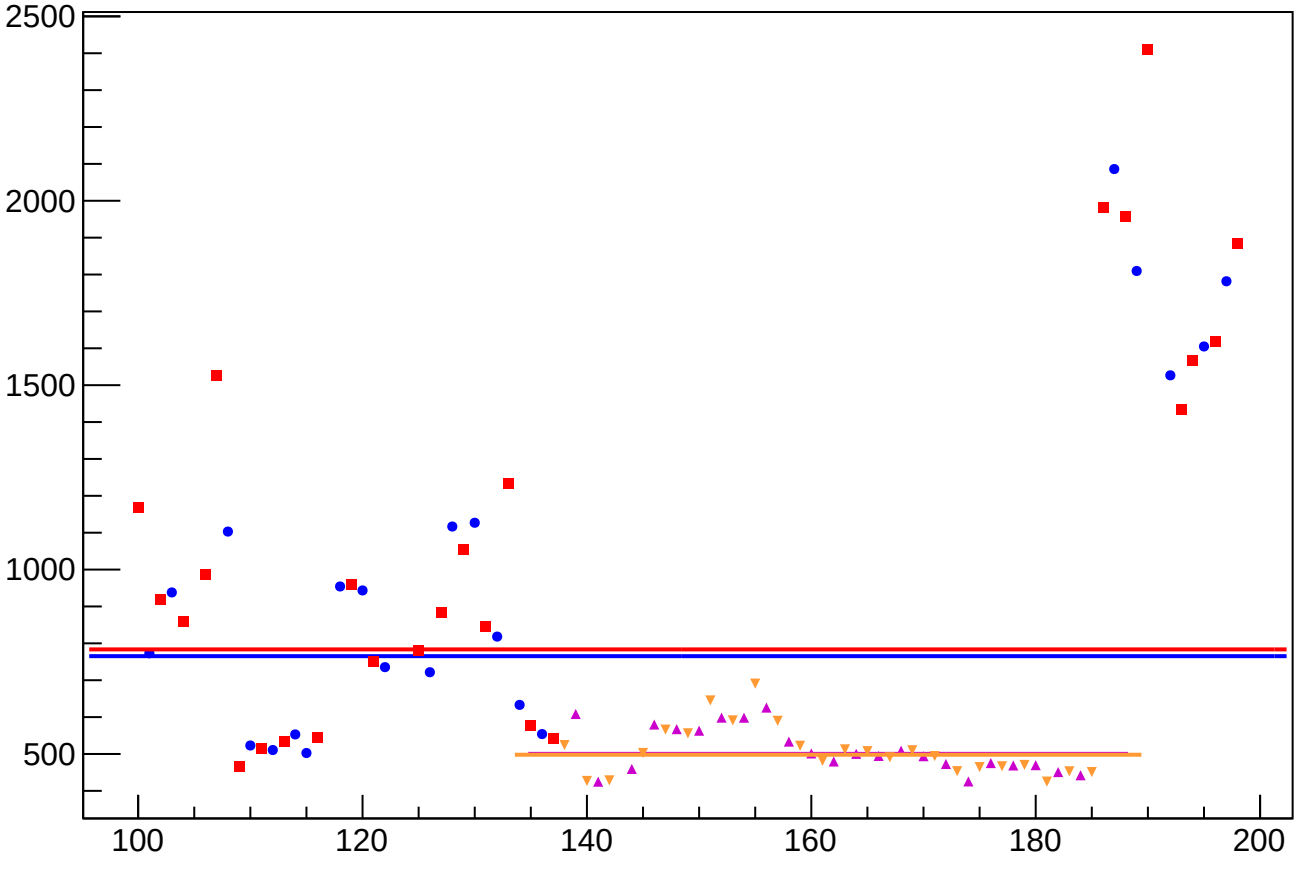
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -457.323+/-106.186 χ^2/NDF: 90.0/44

All: -317.552+/-75.183 χ^2/NDF: 139.1/92

- sign -177.044+/-106.465 χ^2/NDF: 45.7/47

asym_us_dd_reg_correction_rms vs Slug



Right In: 765.236+/-0.181 χ^2/NDF: 3199301.2/20

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

Right Out: 783.576+/-0.176 χ^2/NDF: 4718923.7/24

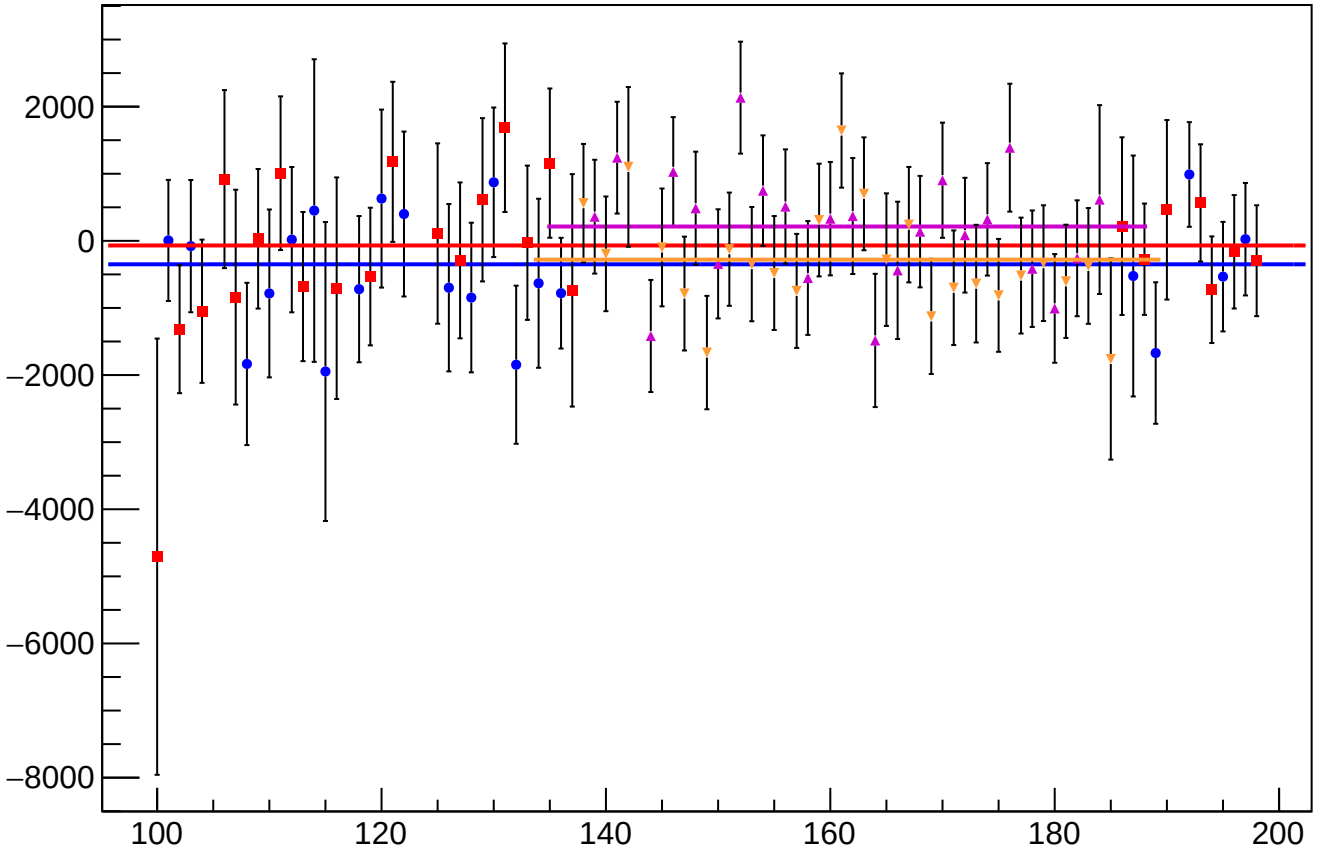
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

\+ sign 544.004+/-0.075 χ^2/NDF: 5532889.5/44

All: 548.106+/-0.053 χ^2/NDF: 12854690.5/92

\- sign 552.229+/-0.075 χ^2/NDF: 7315816.3/47

cor_asym_us_dd_mean vs Slug



Right In: -349.561+/-237.328 χ^2/NDF: 11.8/20

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

Right Out: -68.855+/-221.464 χ^2/NDF: 13.3/24

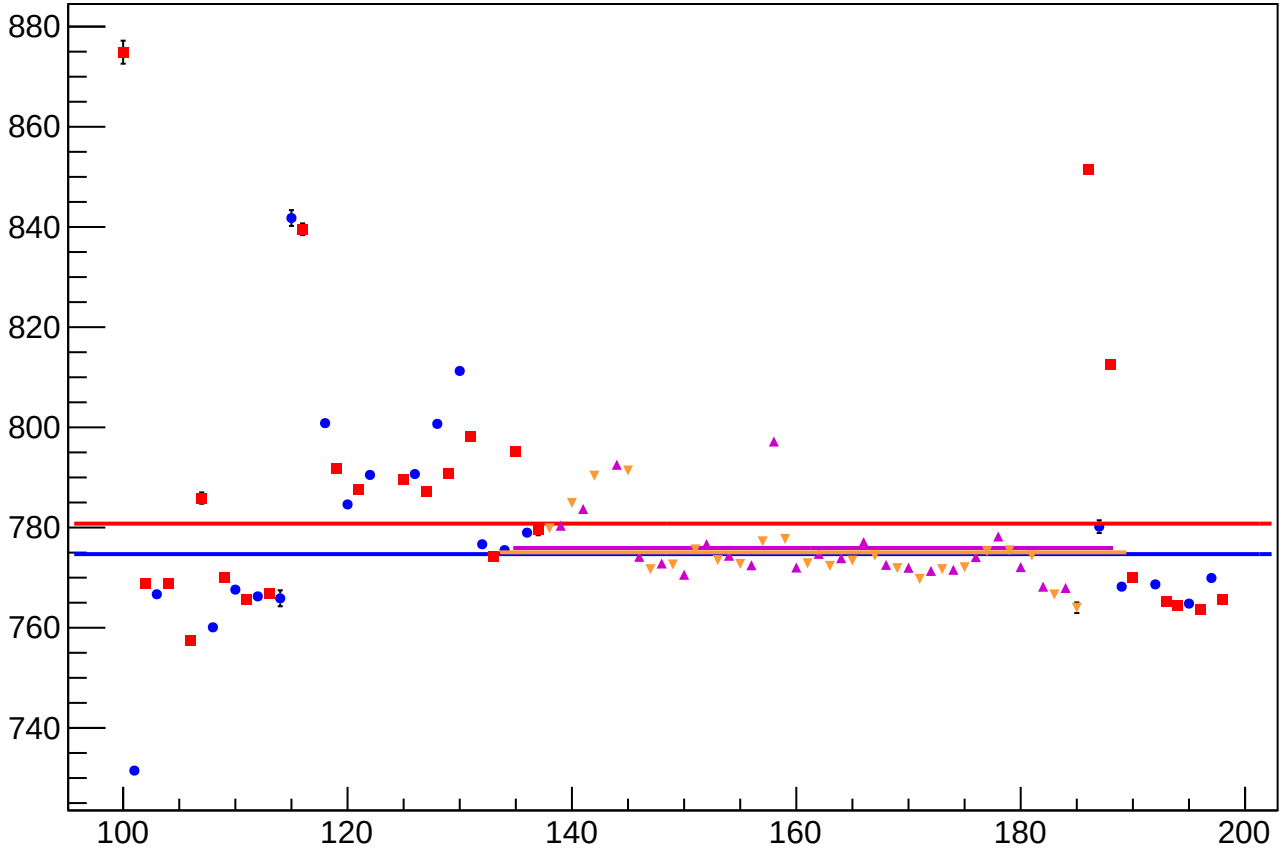
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -305.612+/-143.356 χ^2/NDF: 28.0/44

All: -98.198+/-100.243 χ^2/NDF: 68.7/92

- sign 100.256+/-140.226 χ^2/NDF: 36.6/47

cor_asym_us_dd_rms vs Slug



Right In: 774.696+/-0.168 χ^2/NDF: 12840.1/20

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

Right Out: 780.784+/-0.157 χ^2/NDF: 19418.3/24

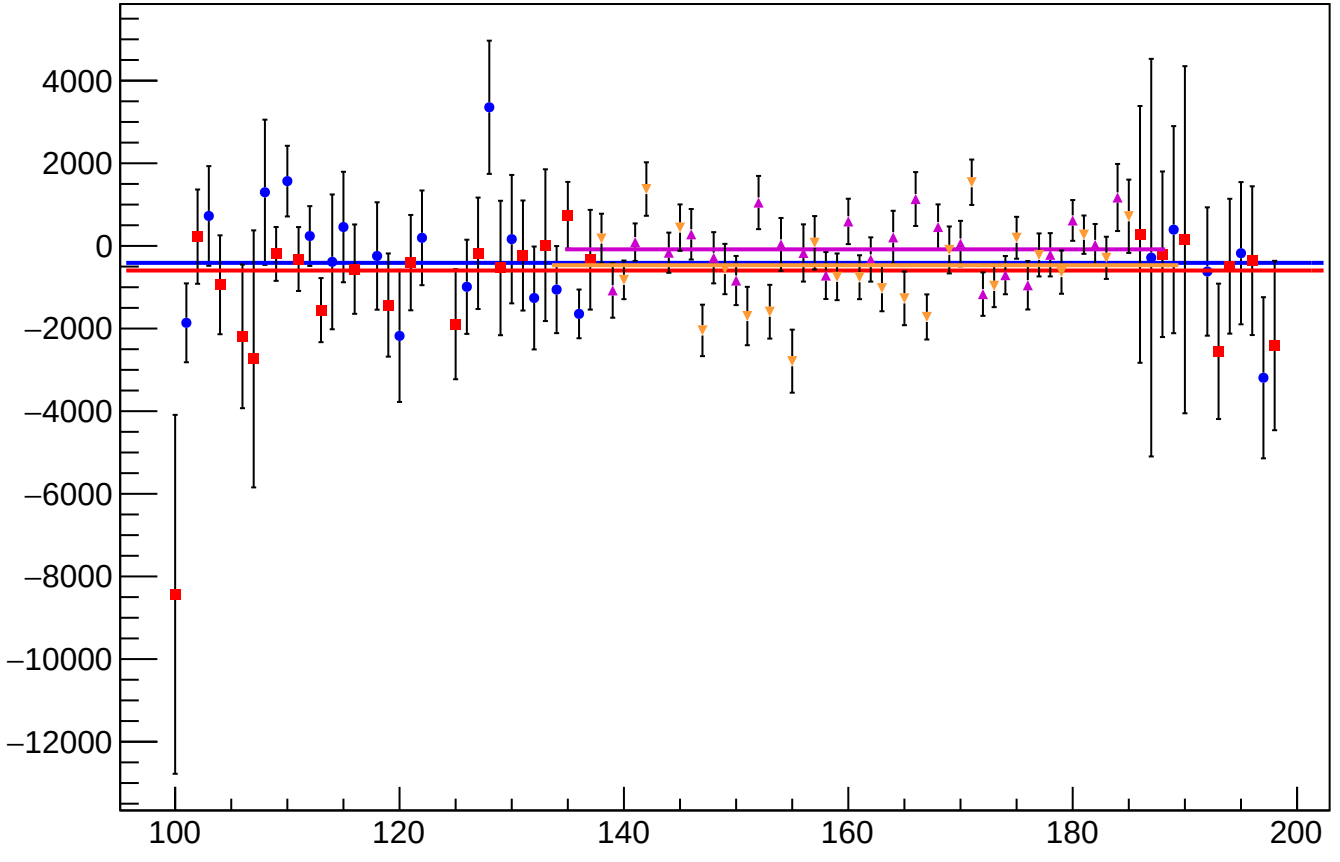
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 774.920+/-0.101 χ^2/NDF: 14794.2/44

All: 776.428+/-0.071 χ^2/NDF: 38196.1/92

- sign 777.871+/-0.099 χ^2/NDF: 22968.8/47

asym_us_dd_cor_correction_mean vs Slug



Right In: -410.097+/-255.849 χ^2/NDF: 25.5/20

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

Right Out: -595.385+/-248.673 χ^2/NDF: 14.1/24

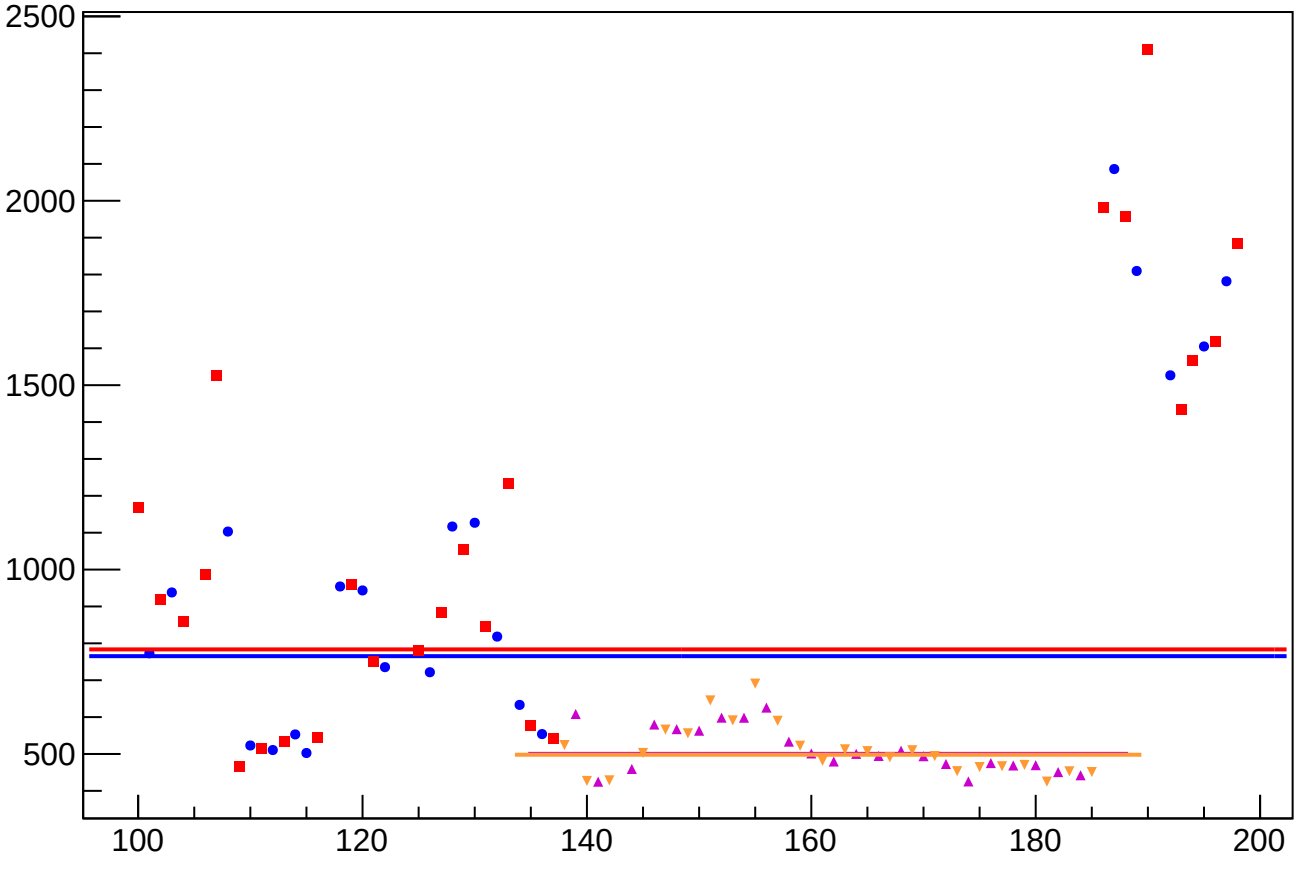
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -457.323+/-106.186 χ^2/NDF: 90.0/44

All: -317.552+/-75.183 χ^2/NDF: 139.1/92

- sign -177.044+/-106.465 χ^2/NDF: 45.7/47

asym_us_dd_cor_correction_rms vs Slug



Right In: 765.236+/-0.181 χ^2/NDF: 3199301.2/20

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

Right Out: 783.576+/-0.176 χ^2/NDF: 4718923.7/24

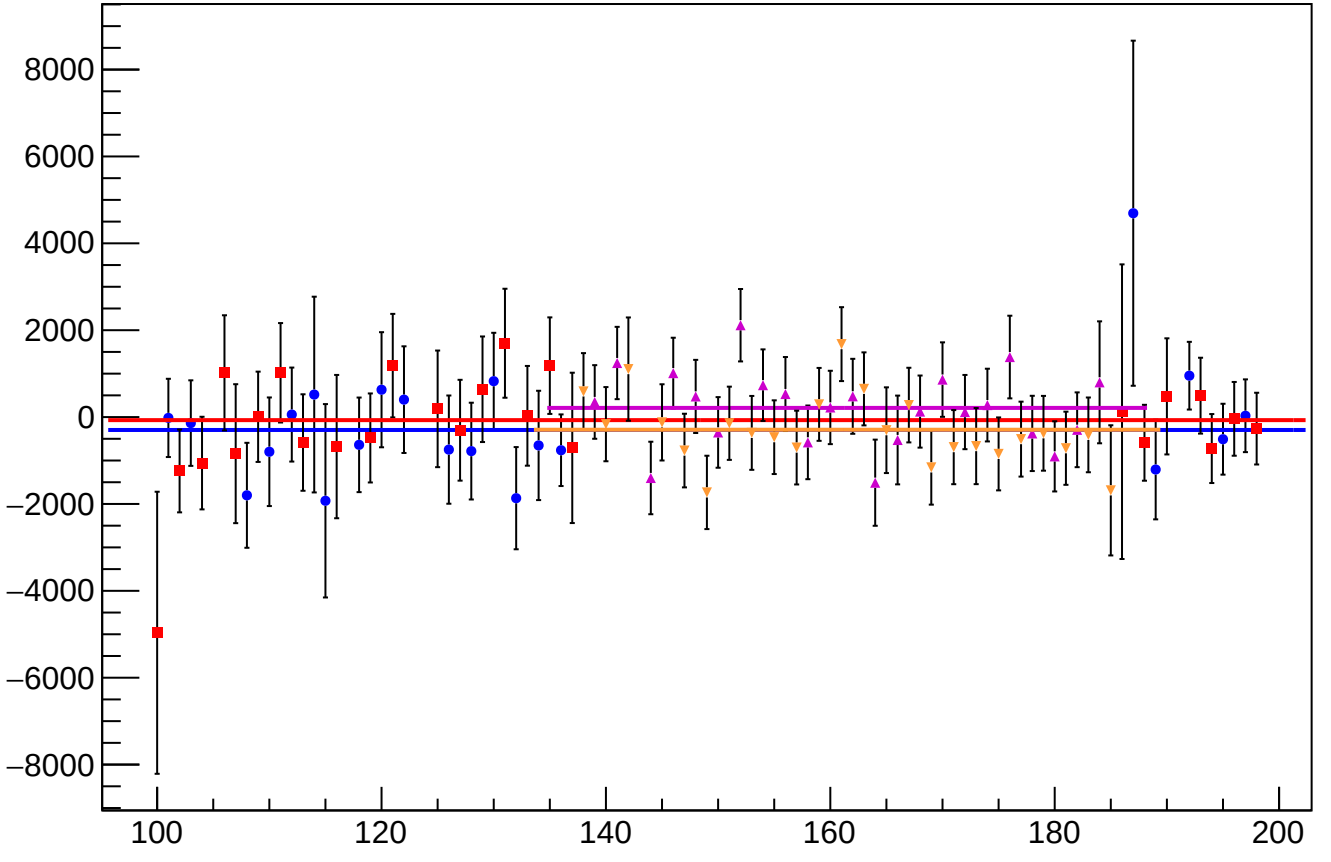
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

\+ sign 544.004+/-0.075 χ^2/NDF: 5532889.5/44

All: 548.106+/-0.053 χ^2/NDF: 12854690.5/92

\- sign 552.229+/-0.075 χ^2/NDF: 7315816.3/47

overload_cor_asym_us_dd_mean vs Slug



Right In: -296.962+/-239.747 χ^2/NDF: 12.0/20

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

Right Out: -70.251+/-224.846 χ^2/NDF: 13.6/24

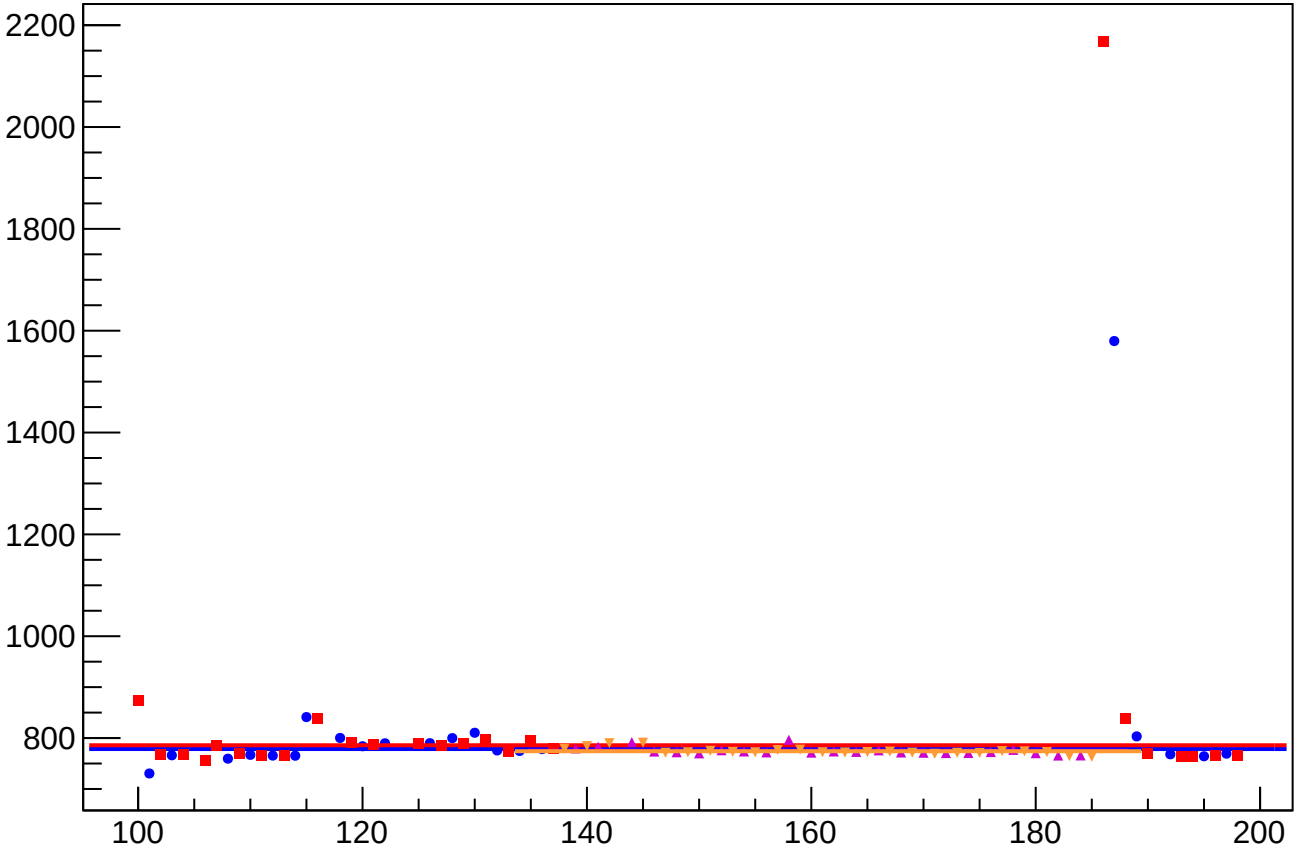
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

\+ sign -293.808+/-143.777 χ^2/NDF: 28.6/44

All: -92.721+/-100.658 χ^2/NDF: 69.1/92

\- sign 100.591+/-140.970 χ^2/NDF: 36.7/47

overload_cor_asym_us_dd_rms vs Slug



Right In: 778.439+/-0.170 χ^2/NDF: 95683.2/20

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

Right Out: 785.836+/-0.159 χ^2/NDF: 352721.1/24

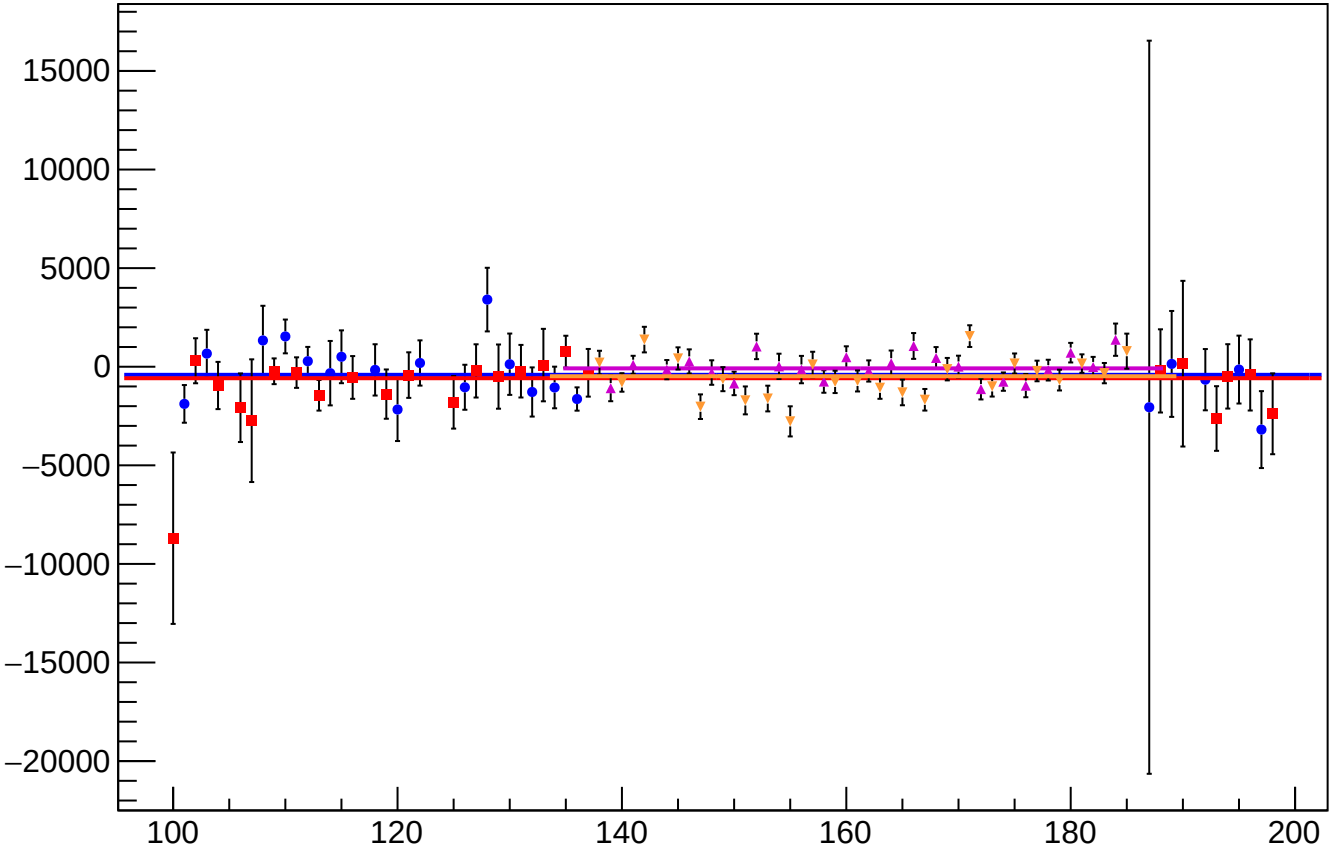
Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

+ sign 775.687+/-0.102 χ^2/NDF: 98155.0/44

All: 777.505+/-0.071 χ^2/NDF: 457476.5/92

- sign 779.253+/-0.100 χ^2/NDF: 358694.1/47

asym_us_dd_overload_cor_correction_mean vs Slug



Right In: -410.627+/-256.708 χ^2/NDF: 25.5/20

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

Right Out: -583.107+/-250.014 χ^2/NDF: 13.9/23

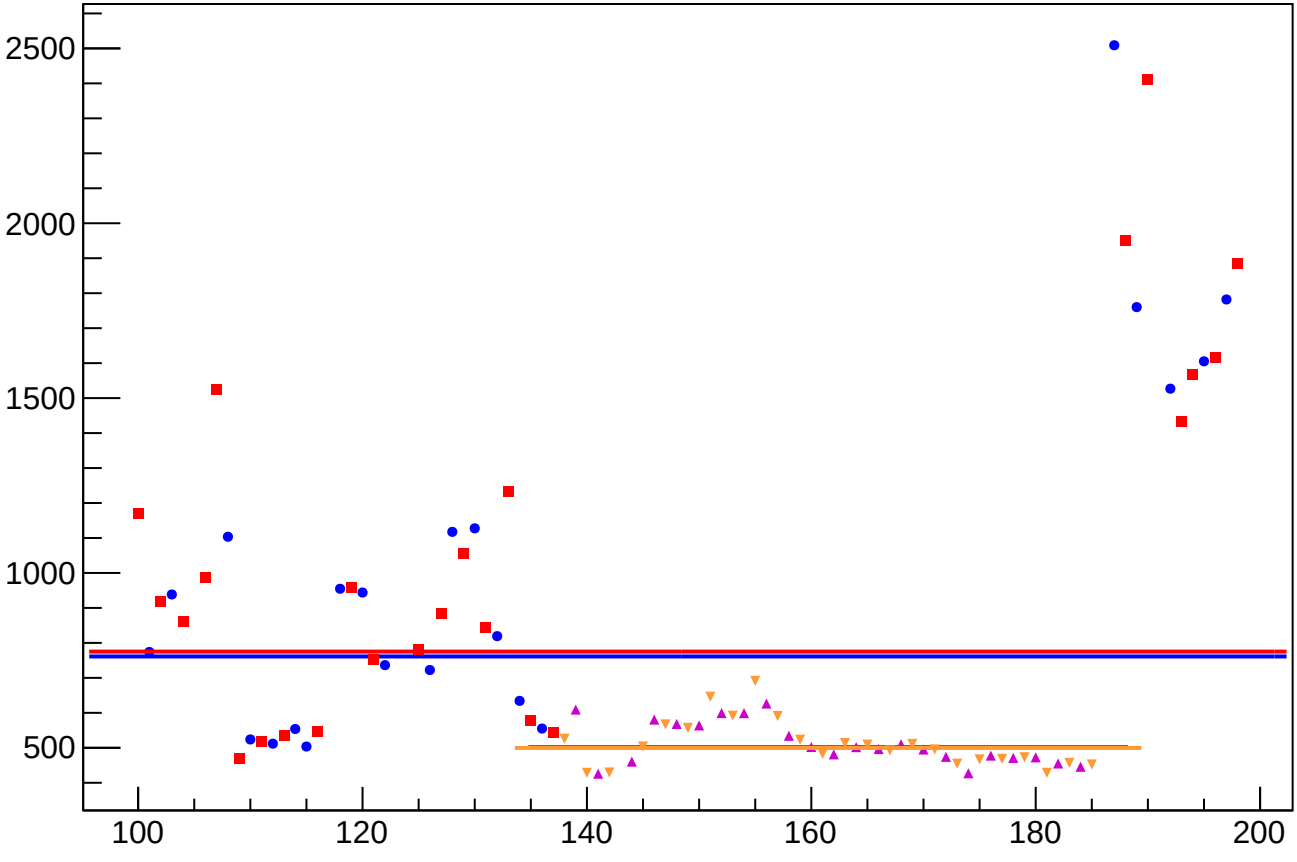
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -469.140+/-106.533 χ^2/NDF: 89.1/44

All: -322.272+/-75.444 χ^2/NDF: 138.3/91

- sign -174.514+/-106.855 χ^2/NDF: 45.4/46

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 761.175+/-0.182 χ^2/NDF: 2984198.7/20

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

Right Out: 775.135+/-0.177 χ^2/NDF: 4326620.5/23

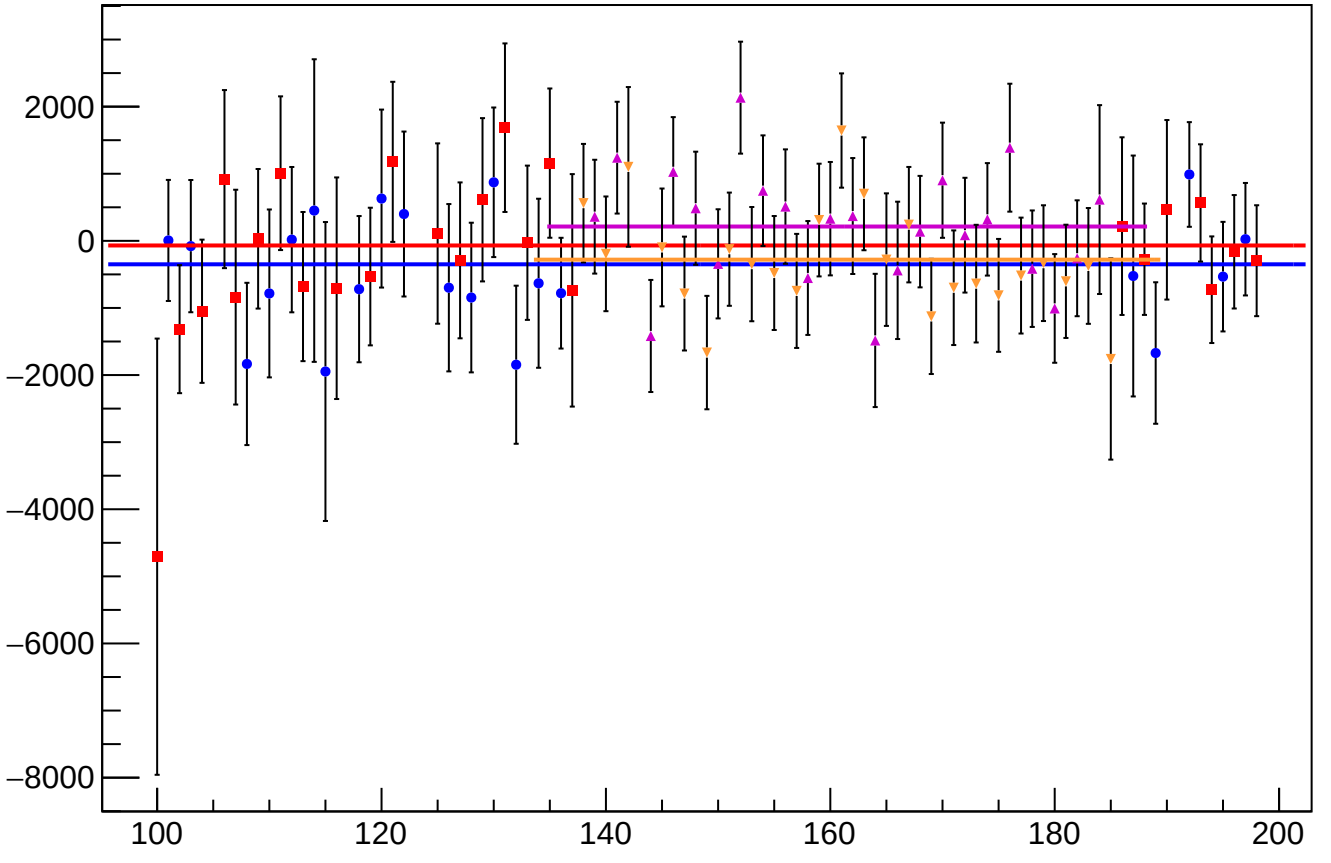
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 544.707+/-0.075 χ^2/NDF: 5218522.0/44

All: 548.300+/-0.053 χ^2/NDF: 11967769.0/91

- sign 551.914+/-0.076 χ^2/NDF: 6744683.5/46

eigen_cor_asym_us_dd_mean vs Slug



Right In: -349.561+/-237.328 χ^2/NDF: 11.8/20

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

Right Out: -68.855+/-221.464 χ^2/NDF: 13.3/24

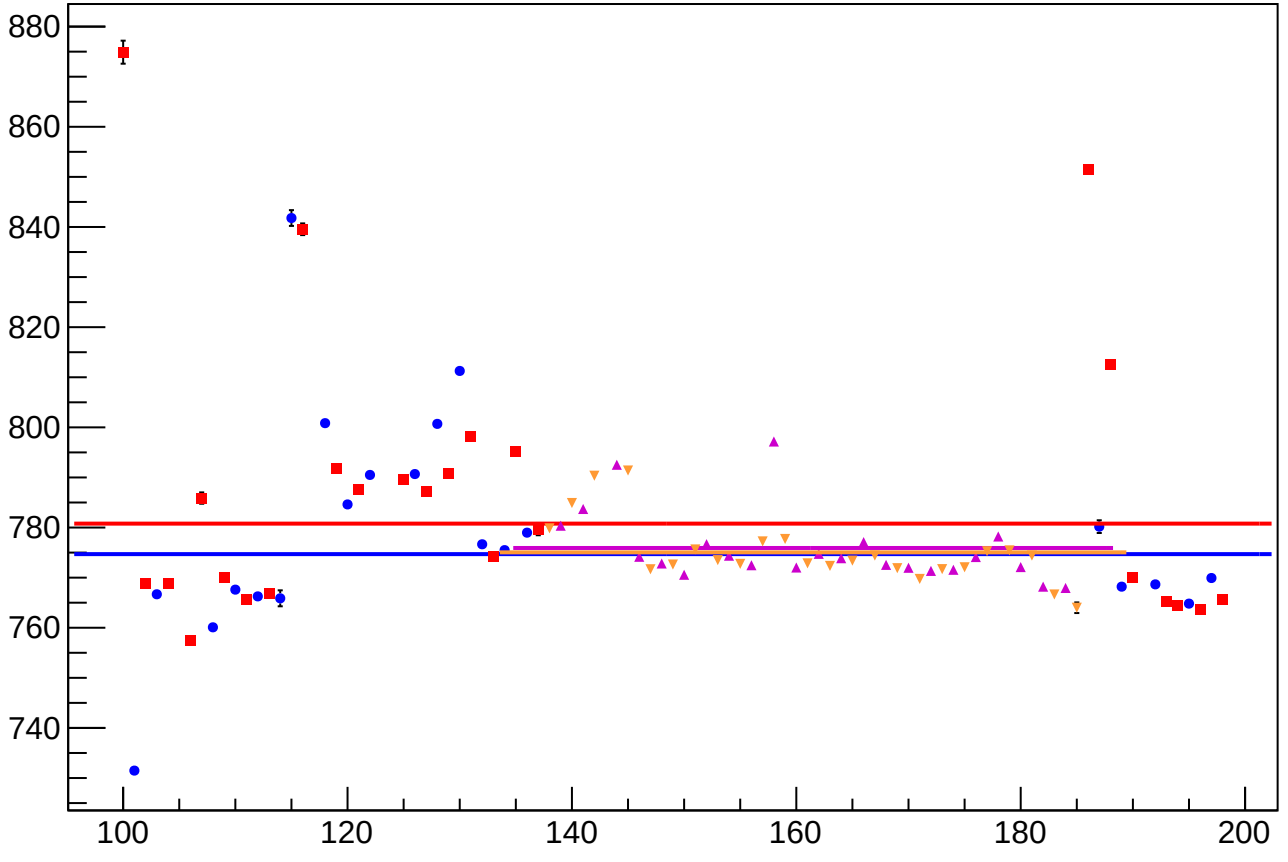
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -305.612+/-143.356 χ^2/NDF: 28.0/44

All: -98.198+/-100.243 χ^2/NDF: 68.7/92

- sign 100.256+/-140.226 χ^2/NDF: 36.6/47

eigen_cor_asym_us_dd_rms vs Slug



Right In: 774.696+/-0.168 χ^2/NDF: 12840.1/20

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

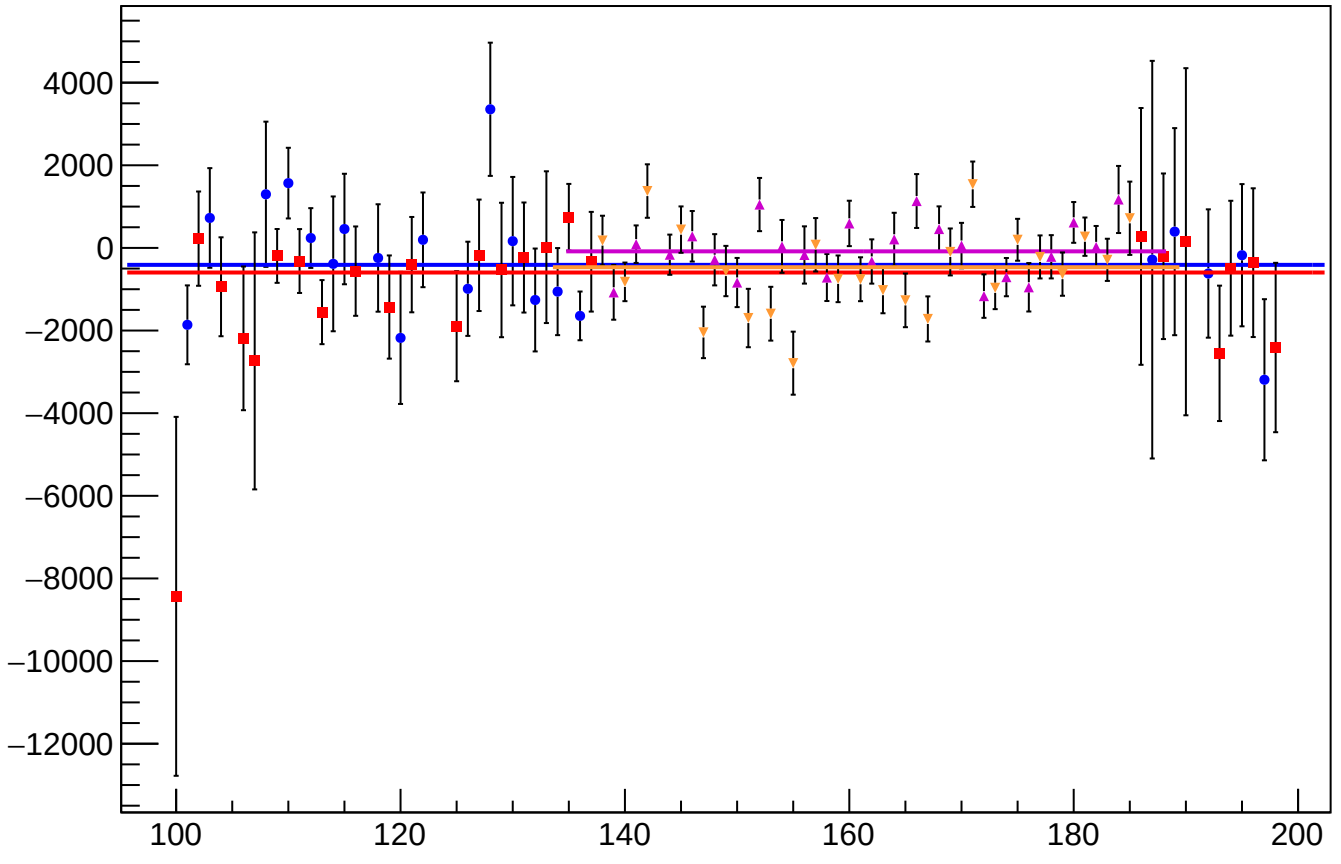
Right Out: 780.784+/-0.157 χ^2/NDF: 19418.3/24

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

+ sign 774.920+/-0.101 χ^2/NDF: 14794.2/44

All: 776.428+/-0.071 χ^2/NDF: 38196.1/92

- sign 777.871+/-0.099 χ^2/NDF: 22968.8/47



Right In: -410.097+/-255.849 χ^2/NDF: 25.5/20

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

Right Out: -595.385+/-248.673 χ^2/NDF: 14.1/24

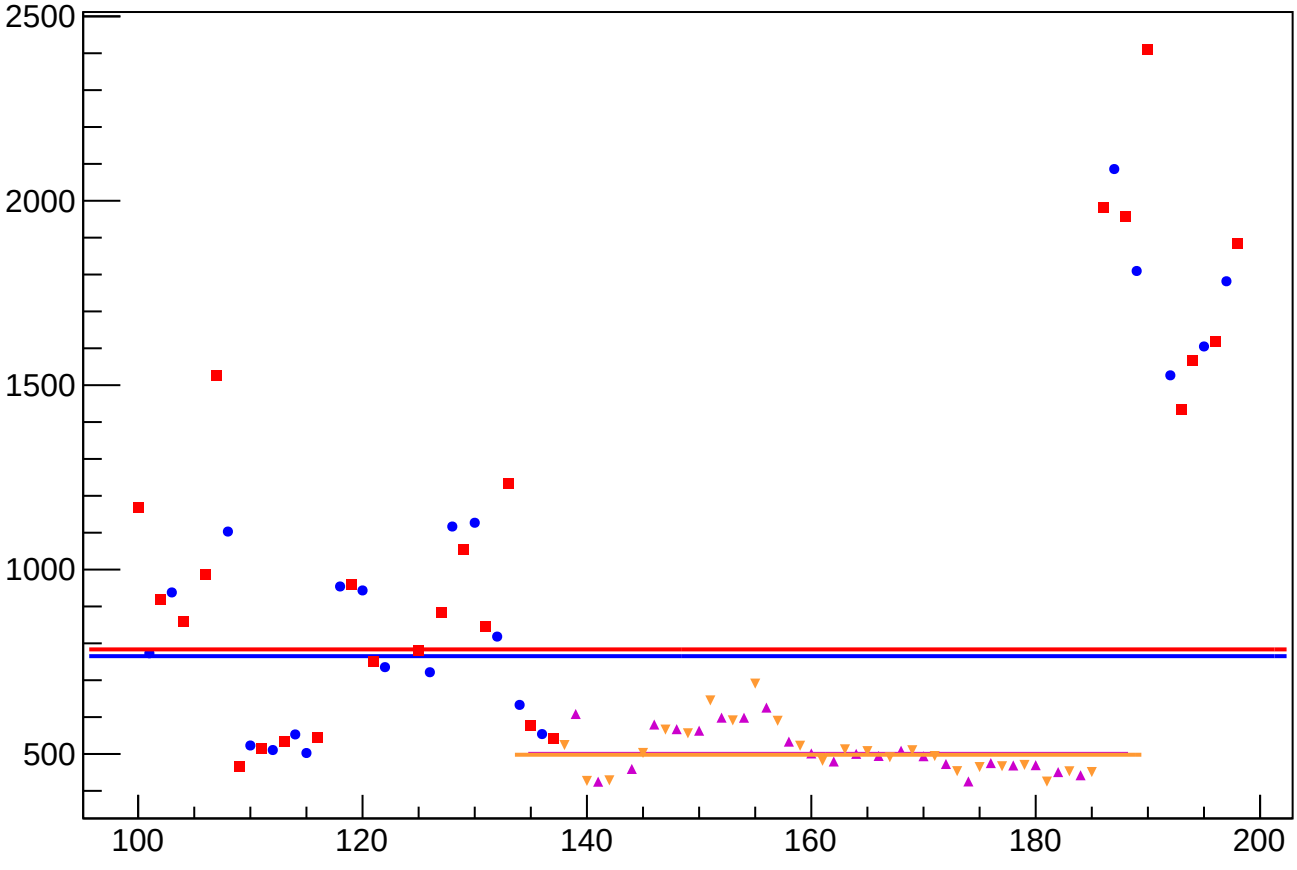
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -457.323+/-106.186 χ^2/NDF: 90.0/44

All: -317.552+/-75.183 χ^2/NDF: 139.1/92

- sign -177.044+/-106.465 χ^2/NDF: 45.7/47

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 765.236+/-0.181 χ^2/NDF: 3199301.2/20

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

Right Out: 783.576+/-0.176 χ^2/NDF: 4718923.7/24

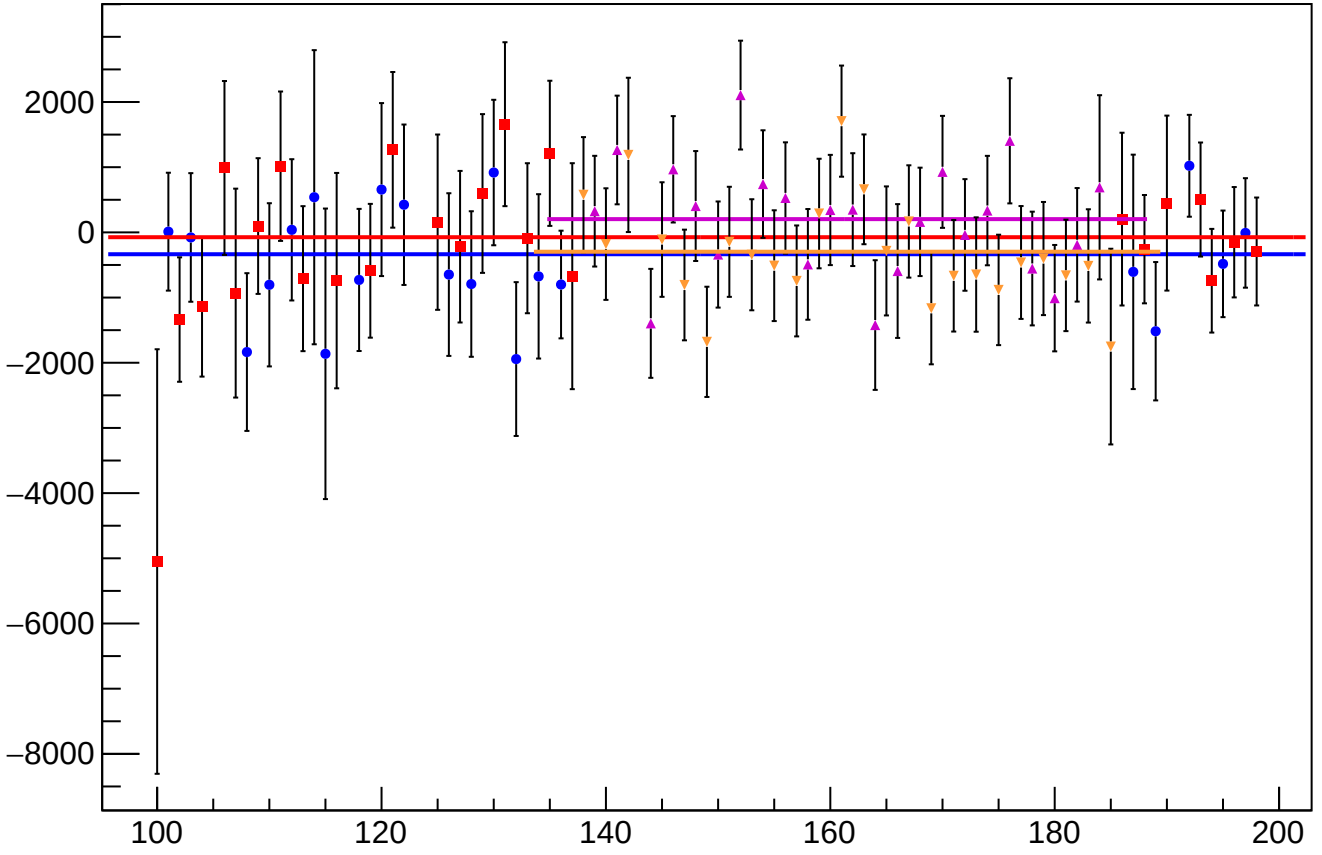
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 544.004+/-0.075 χ^2/NDF: 5532889.5/44

All: 548.106+/-0.053 χ^2/NDF: 12854690.5/92

- sign 552.229+/-0.075 χ^2/NDF: 7315816.3/47

dit_asym_us_dd_mean vs Slug



Right In: -335.250+/-237.677 χ^2/NDF: 11.9/20

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

Right Out: -74.086+/-221.725 χ^2/NDF: 14.1/24

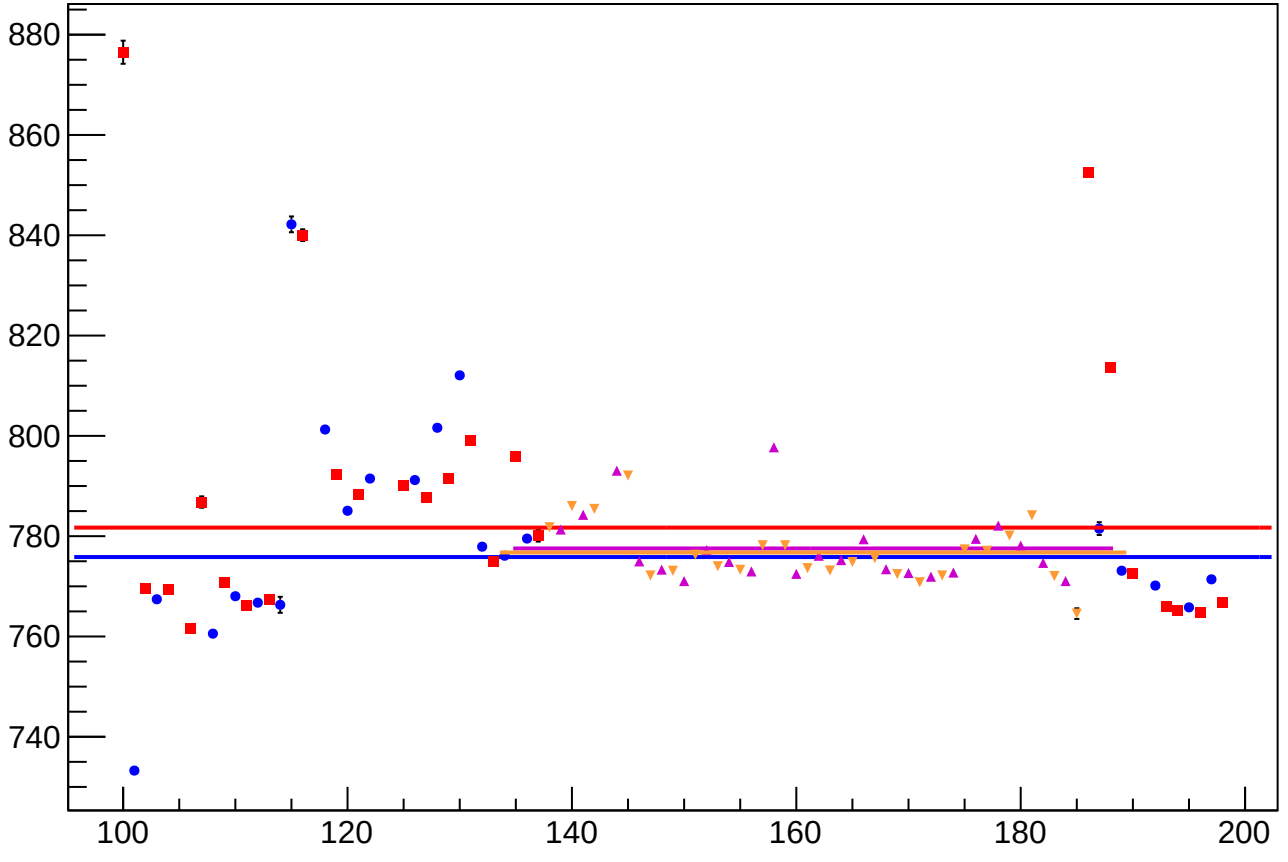
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -310.824+/-143.635 χ^2/NDF: 28.6/44

All: -104.925+/-100.427 χ^2/NDF: 69.8/92

- sign 91.993+/-140.468 χ^2/NDF: 37.2/47

dit_asym_us_dd_rms vs Slug



Right In: 775.838+/-0.168 χ^2/NDF: 12455.2/20

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

Right Out: 781.707+/-0.157 χ^2/NDF: 19211.8/24

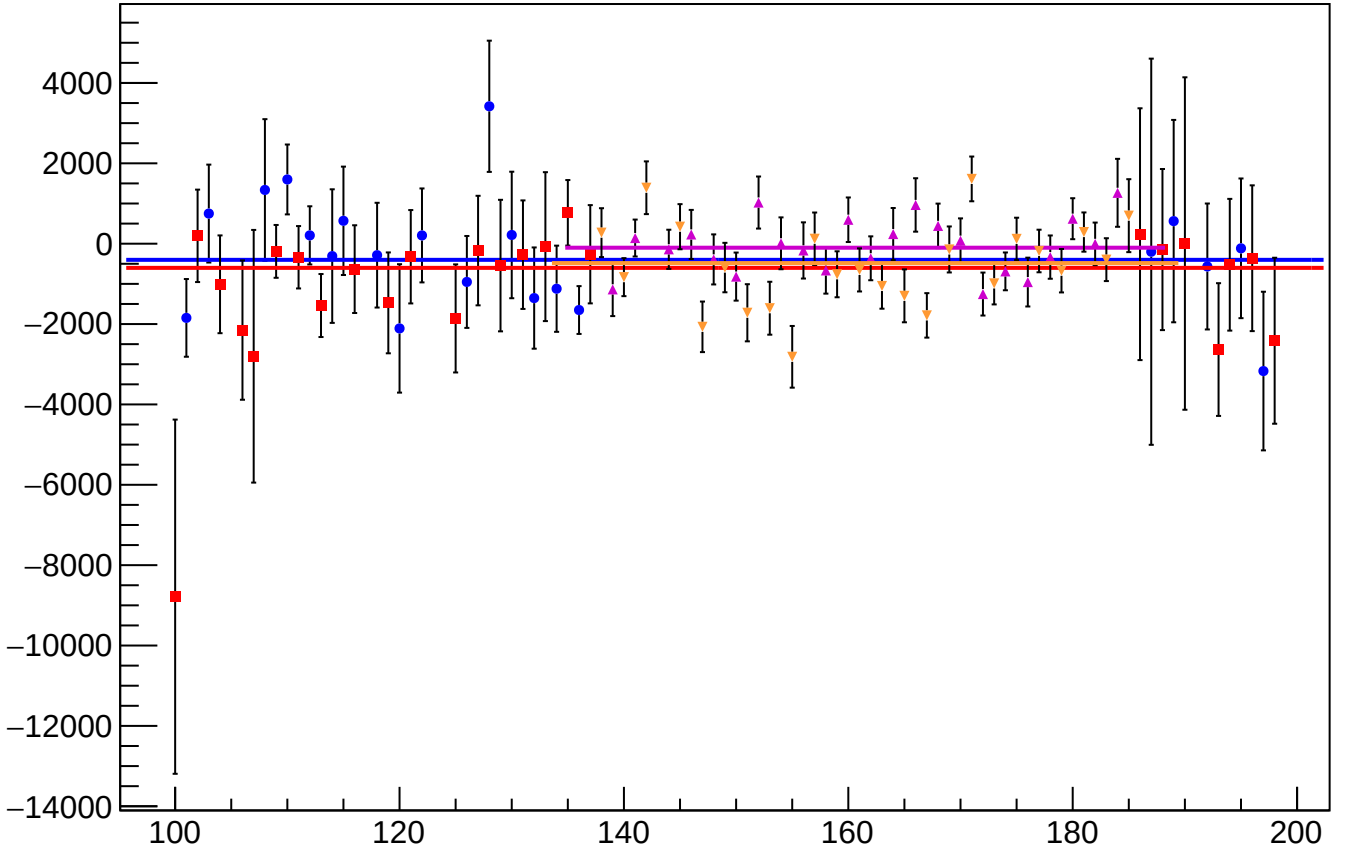
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 776.418+/-0.102 χ^2/NDF: 14300.2/44

All: 777.849+/-0.071 χ^2/NDF: 37072.4/92

- sign 779.218+/-0.099 χ^2/NDF: 22383.5/47

asym_us_dd_dit_correction_mean vs Slug



Right In: -401.841+/-258.345 χ^2/NDF: 25.5/20

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

Right Out: -601.596+/-250.809 χ^2/NDF: 14.3/24

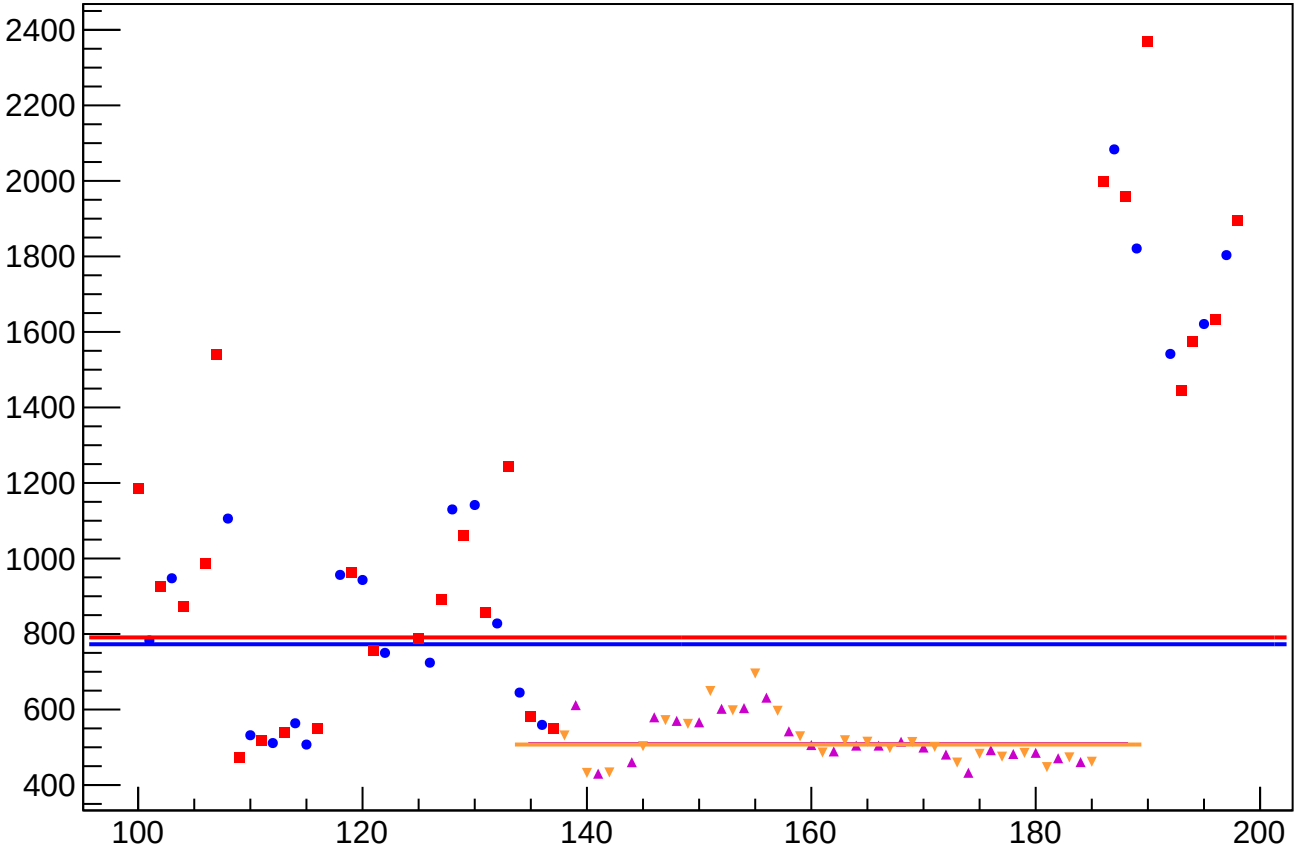
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -468.739+/-107.939 χ^2/NDF: 90.7/44

All: -330.967+/-76.350 χ^2/NDF: 138.9/92

- sign -193.013+/-108.011 χ^2/NDF: 44.9/47

asym_us_dd_dit_correction_rms vs Slug



Right In: 772.884+/-0.183 χ^2/NDF: 3197328.8/20

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

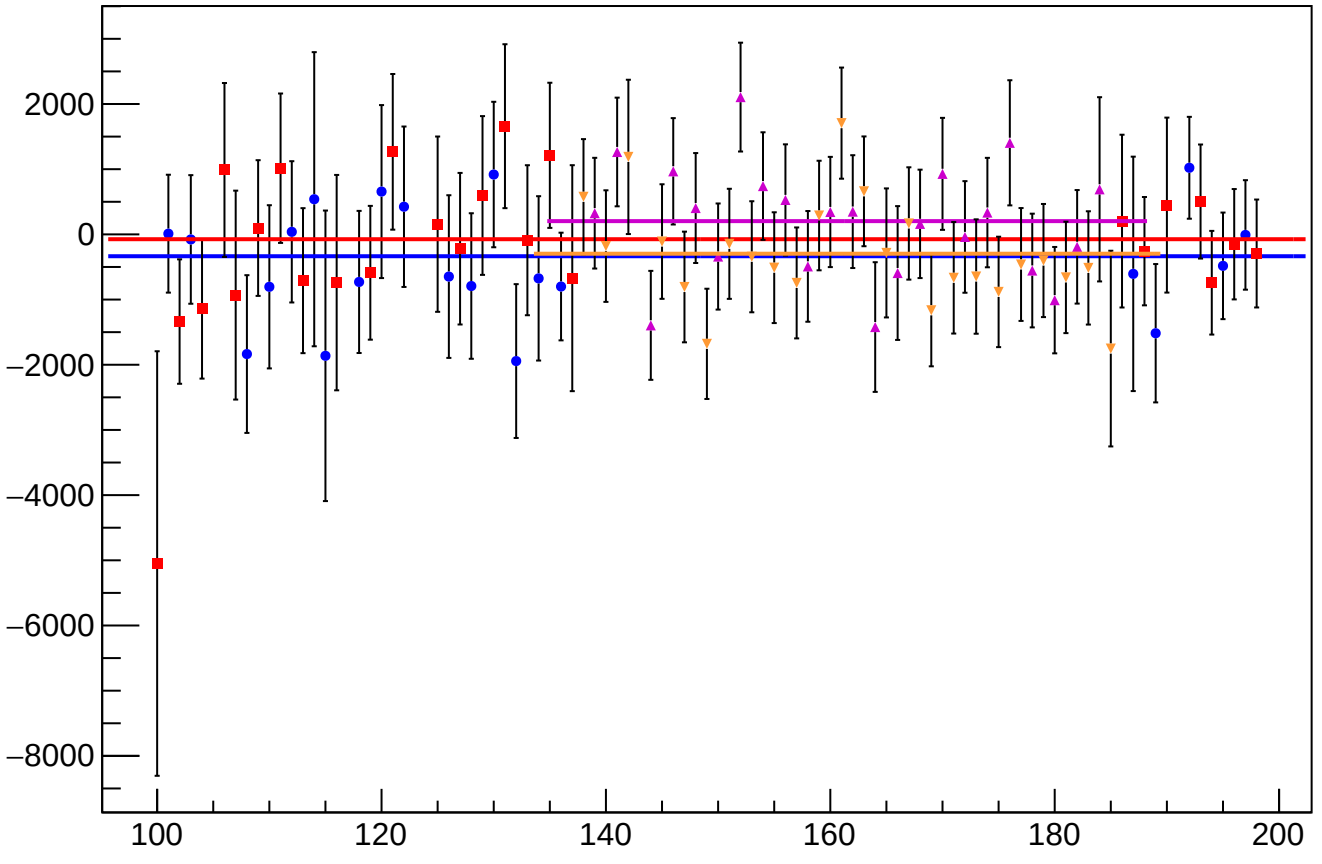
Right Out: 790.966+/-0.177 χ^2/NDF: 4690945.6/24

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

+ sign 553.677+/-0.076 χ^2/NDF: 5415745.8/44

All: 557.335+/-0.054 χ^2/NDF: 12607996.6/92

- sign 560.998+/-0.076 χ^2/NDF: 7187653.2/47



Right In: -335.249+/-237.677 χ^2/NDF: 11.9/20

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

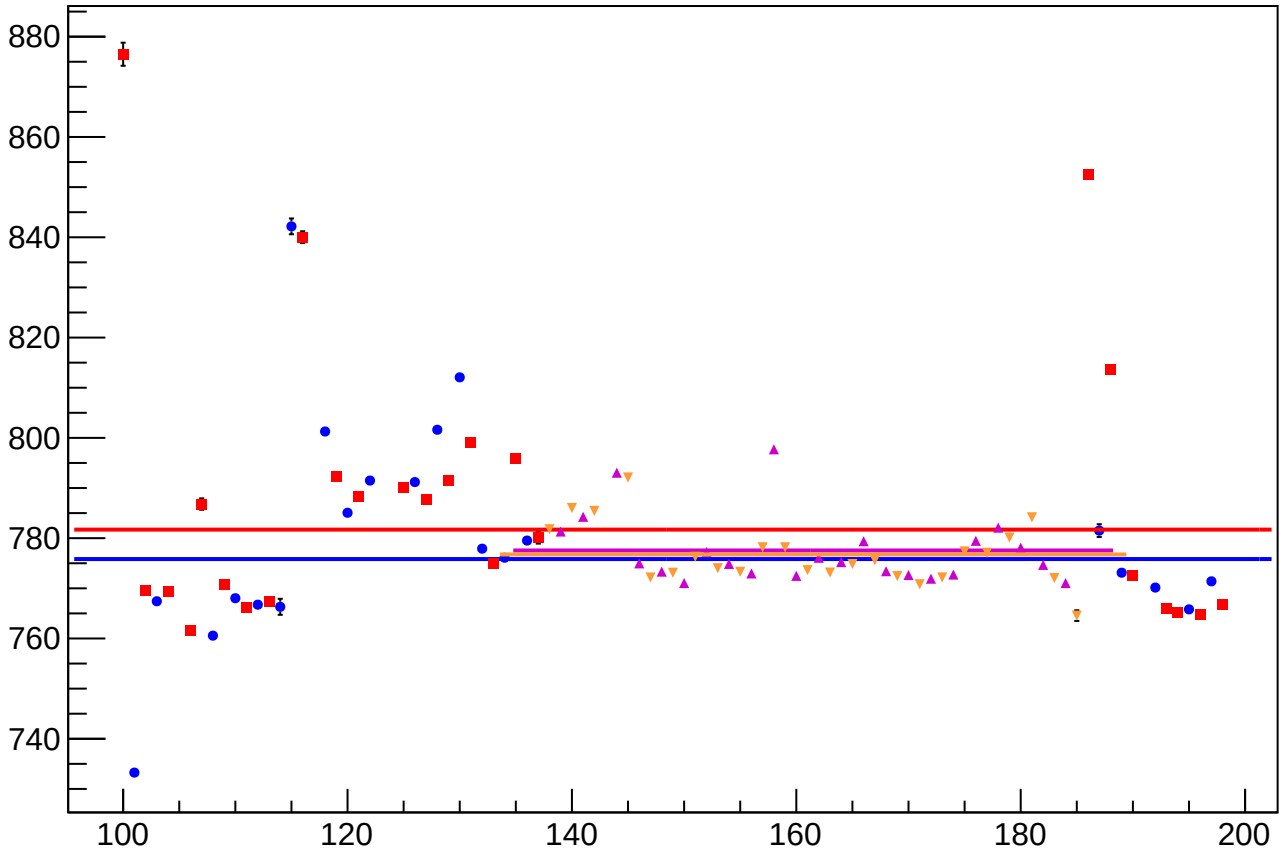
Right Out: -74.086+/-221.725 χ^2/NDF: 14.1/24

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

+ sign -310.824+/-143.635 χ^2/NDF: 28.6/44

All: -104.925+/-100.427 χ^2/NDF: 69.8/92

- sign 91.993+/-140.468 χ^2/NDF: 37.2/47



Right In: 775.838+/-0.168 χ^2/NDF: 12455.1/20

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

Right Out: 781.707+/-0.157 χ^2/NDF: 19211.8/24

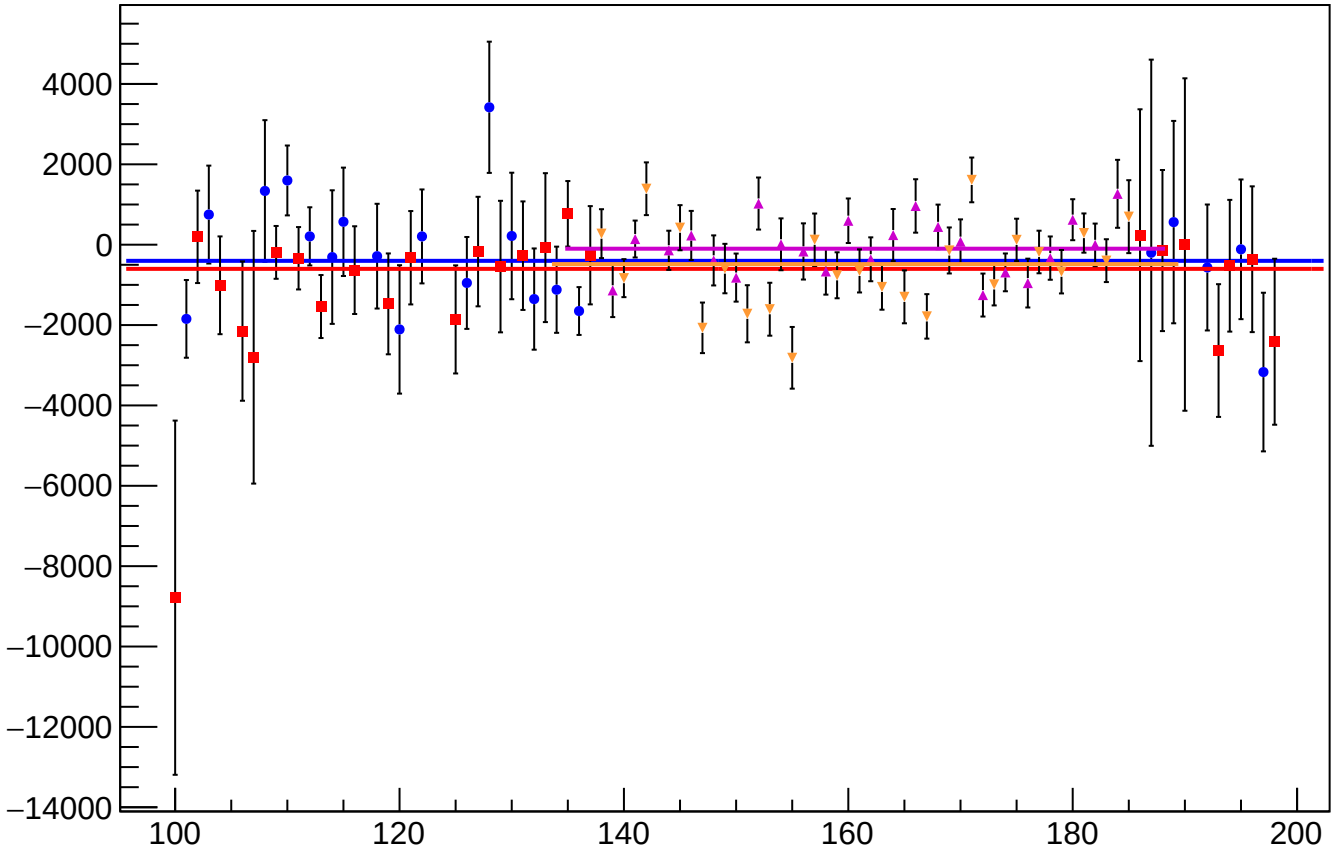
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 776.417+/-0.102 χ^2/NDF: 14300.2/44

All: 777.849+/-0.071 χ^2/NDF: 37072.4/92

- sign 779.218+/-0.099 χ^2/NDF: 22383.5/47

asym_us_dd_eigen_dit_correction_mean vs Slug



Right In: -401.837+/-258.343 χ^2/NDF: 25.5/20

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

Right Out: -601.595+/-250.808 χ^2/NDF: 14.3/24

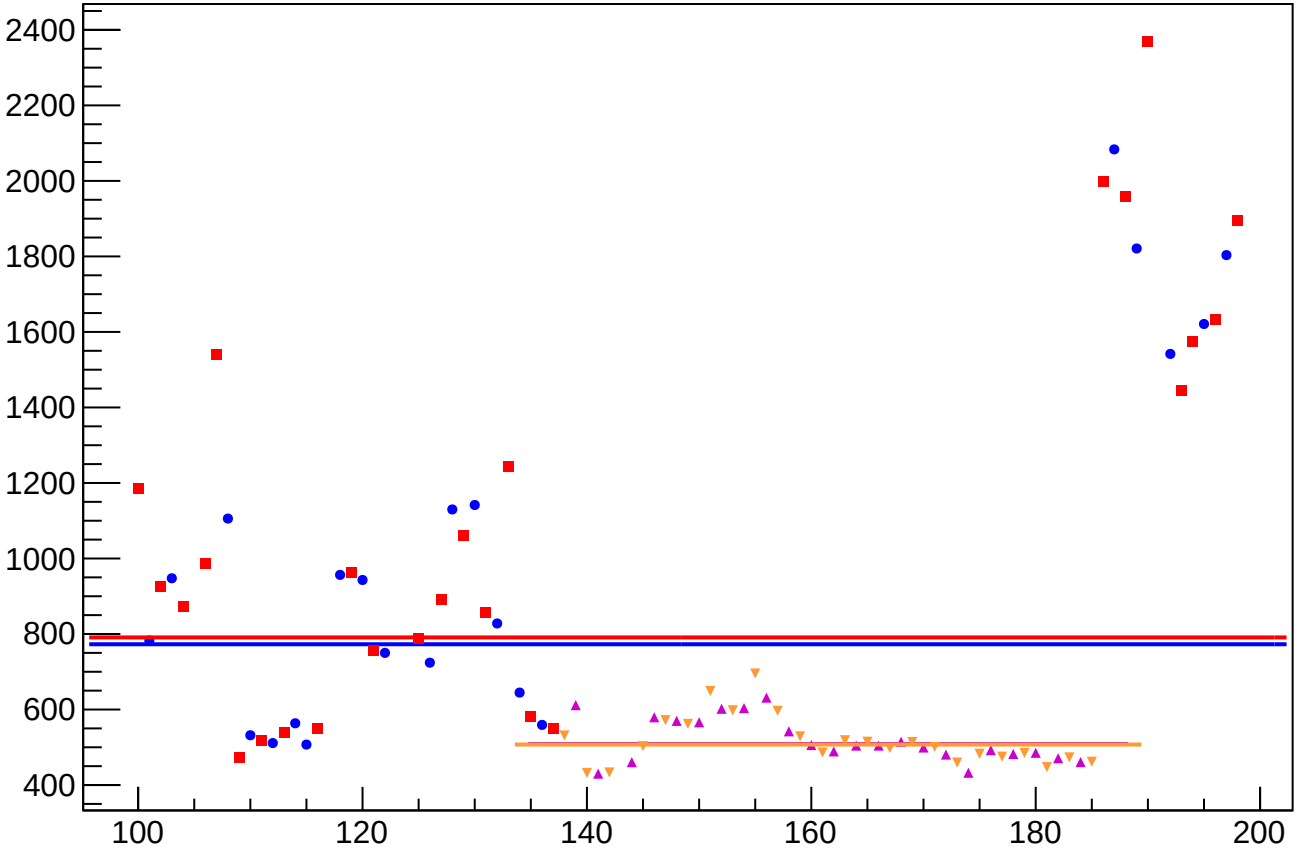
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -468.738+/-107.939 χ^2/NDF: 90.7/44

All: -330.967+/-76.350 χ^2/NDF: 138.9/92

- sign -193.014+/-108.010 χ^2/NDF: 44.9/47

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 772.880+/-0.183 χ^2/NDF: 3197352.7/20

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

Right Out: 790.962+/-0.177 χ^2/NDF: 4690983.4/24

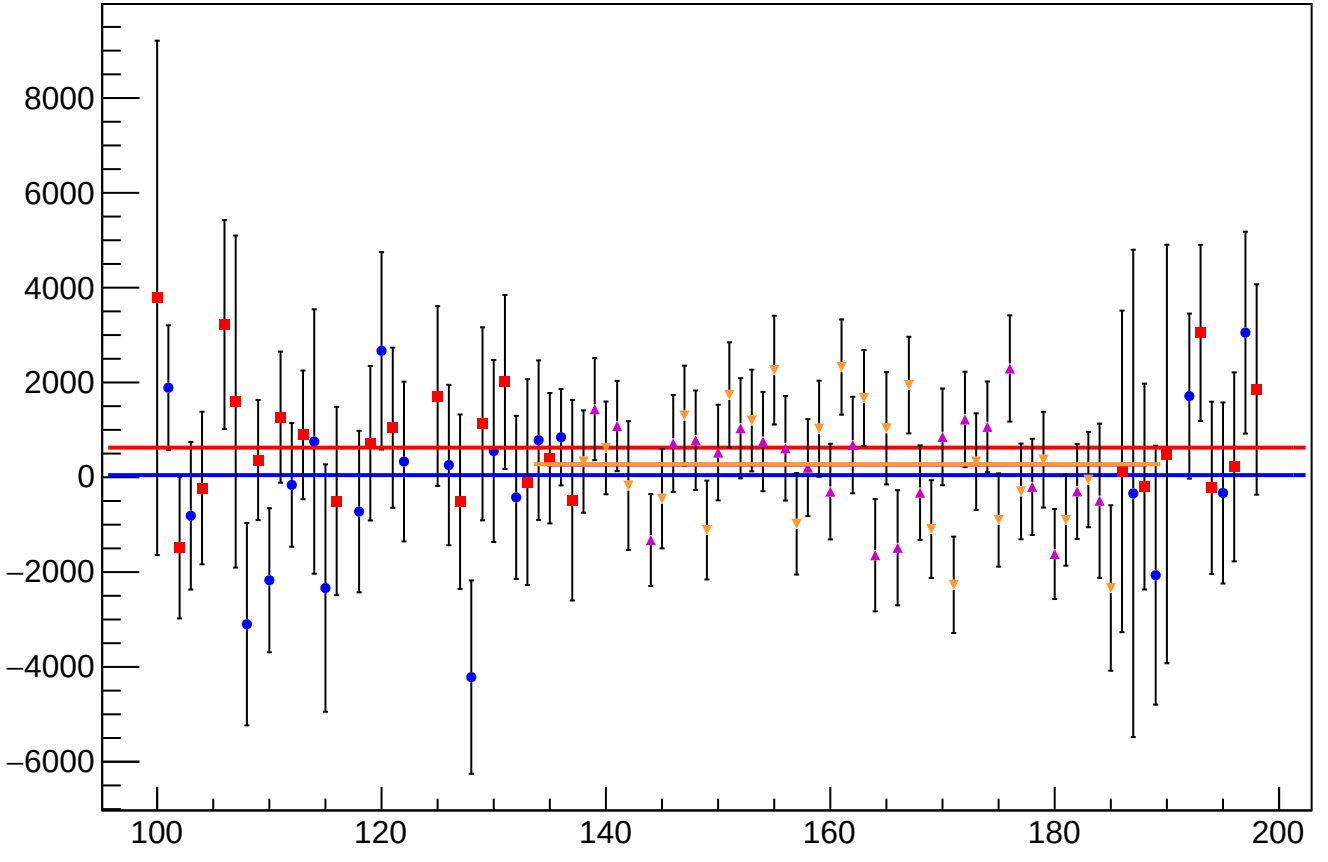
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 553.677+/-0.076 χ^2/NDF: 5415738.3/44

All: 557.335+/-0.054 χ^2/NDF: 12608000.6/92

- sign 560.998+/-0.076 χ^2/NDF: 7187665.0/47

asym_us_dd_mean vs Slug



Right In: 45.272+/-379.406 χ^2/NDF: 18.2/20

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

Right Out: 625.391+/-370.077 χ^2/NDF: 9.0/24

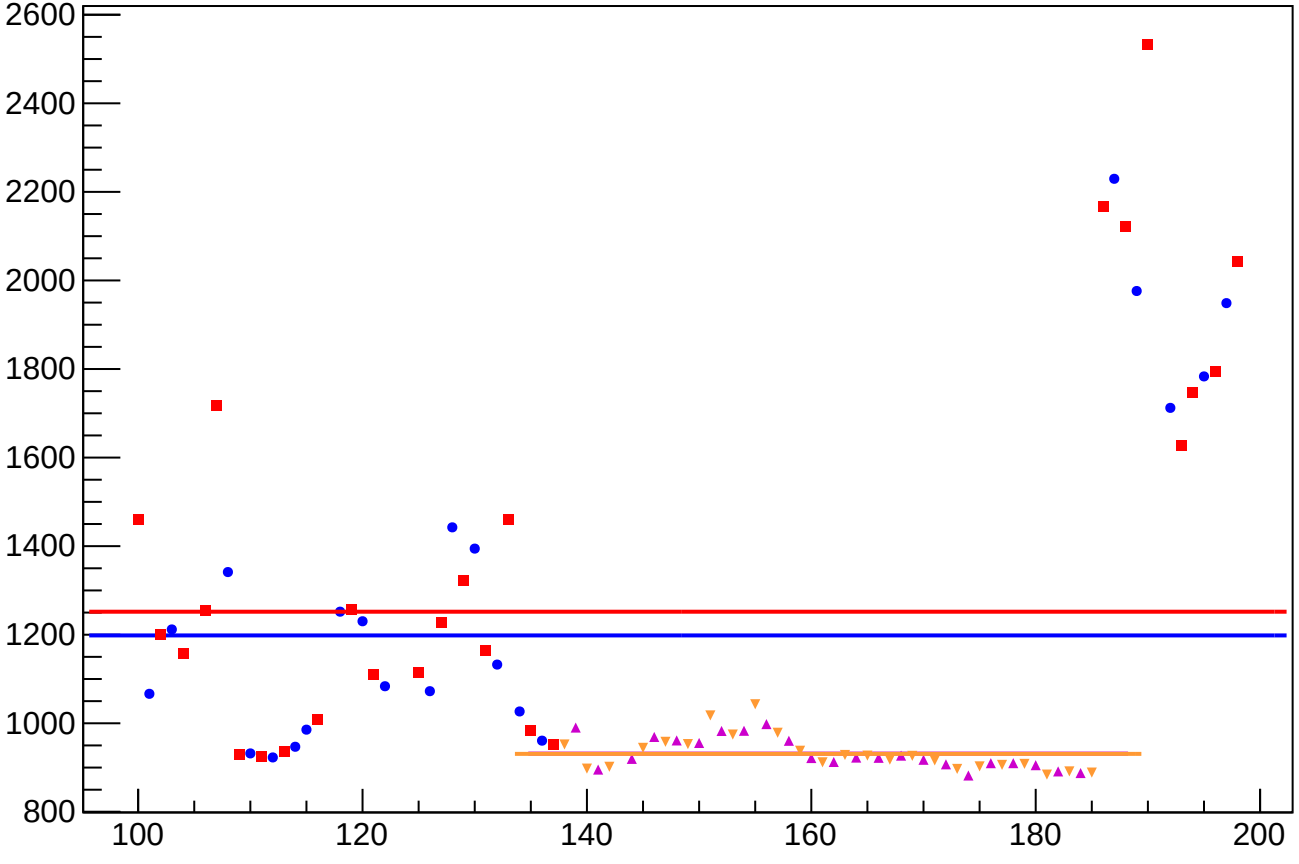
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 218.791+/-187.901 χ^2/NDF: 52.1/44

All: 289.081+/-132.771 χ^2/NDF: 83.4/92

- sign 359.171+/-187.632 χ^2/NDF: 31.0/47

asym_us_dd_rms vs Slug



Right In: 1198.404+/-0.268 χ^2/NDF: 1267495.0/20

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

Right Out: 1251.954+/-0.262 χ^2/NDF: 1861432.7/24

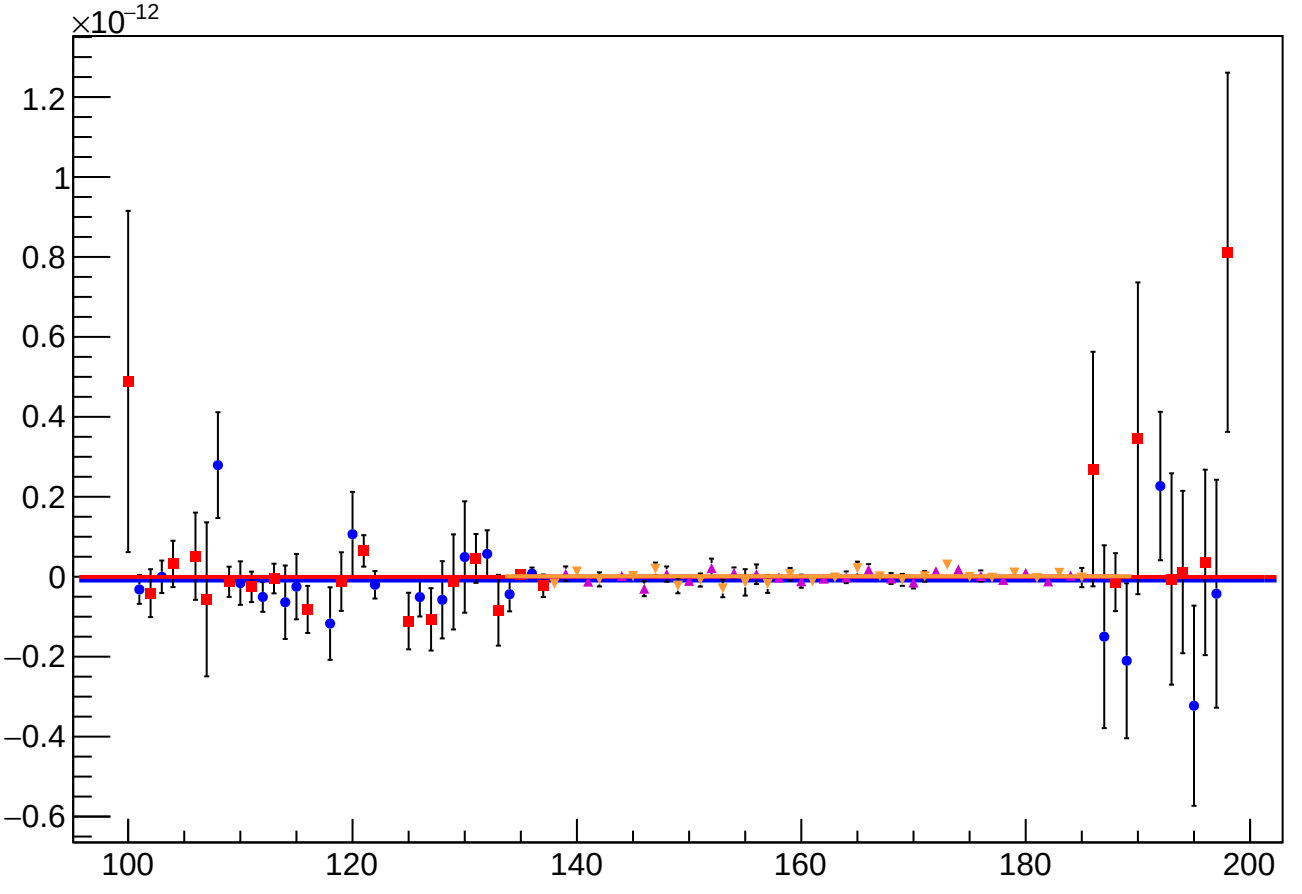
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 996.528+/-0.133 χ^2/NDF: 2079684.5/44

All: 1005.237+/-0.094 χ^2/NDF: 5112305.2/92

- sign 1013.921+/-0.133 χ^2/NDF: 3024040.7/47

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/20

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

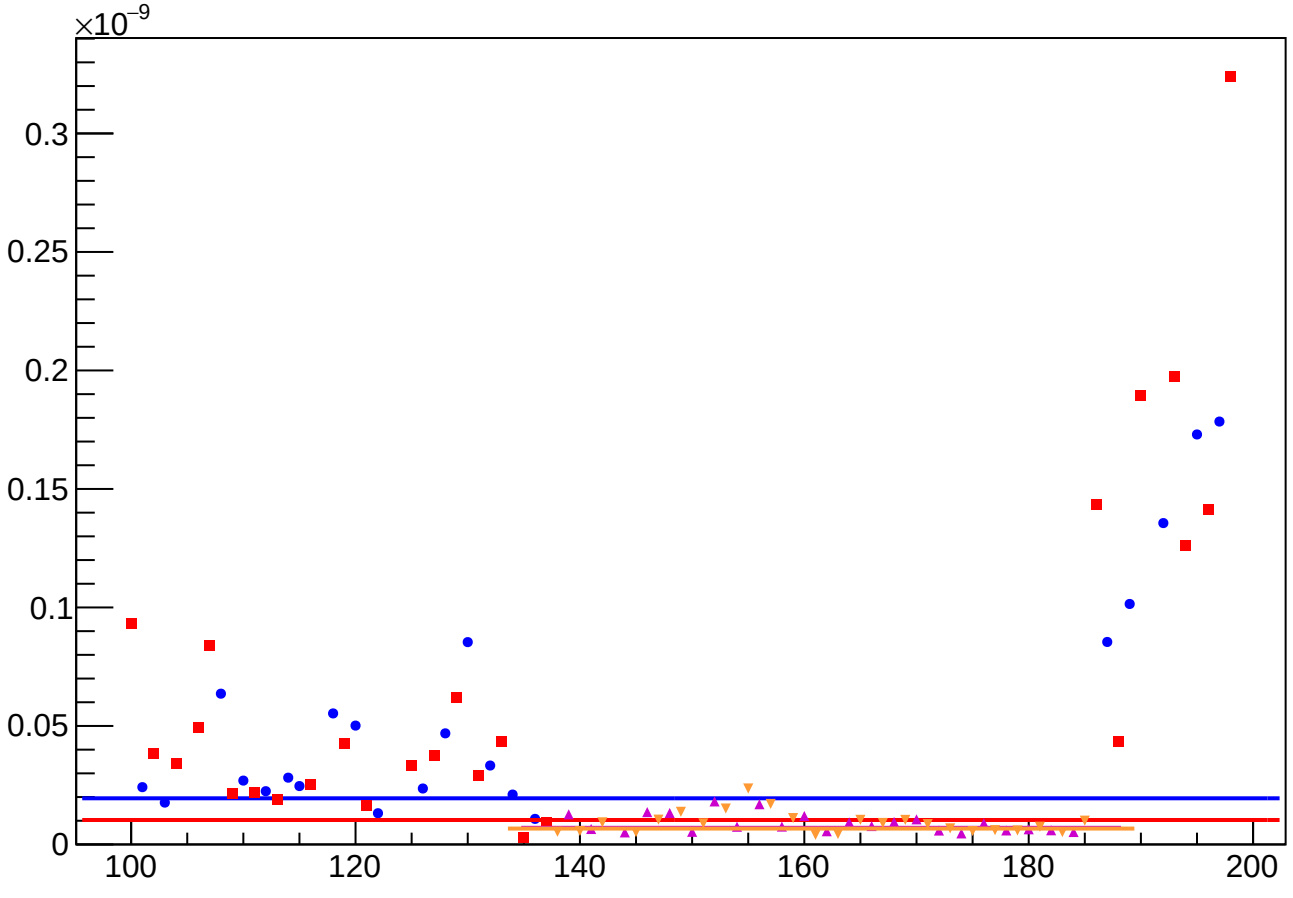
Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/24

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

+ sign 0.000+/-0.000 χ^2/NDF: 45.2/44

All: 0.000+/-0.000 χ^2/NDF: 86.7/92

- sign 0.000+/-0.000 χ^2/NDF: 41.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 4948783.7/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9691310.7/24

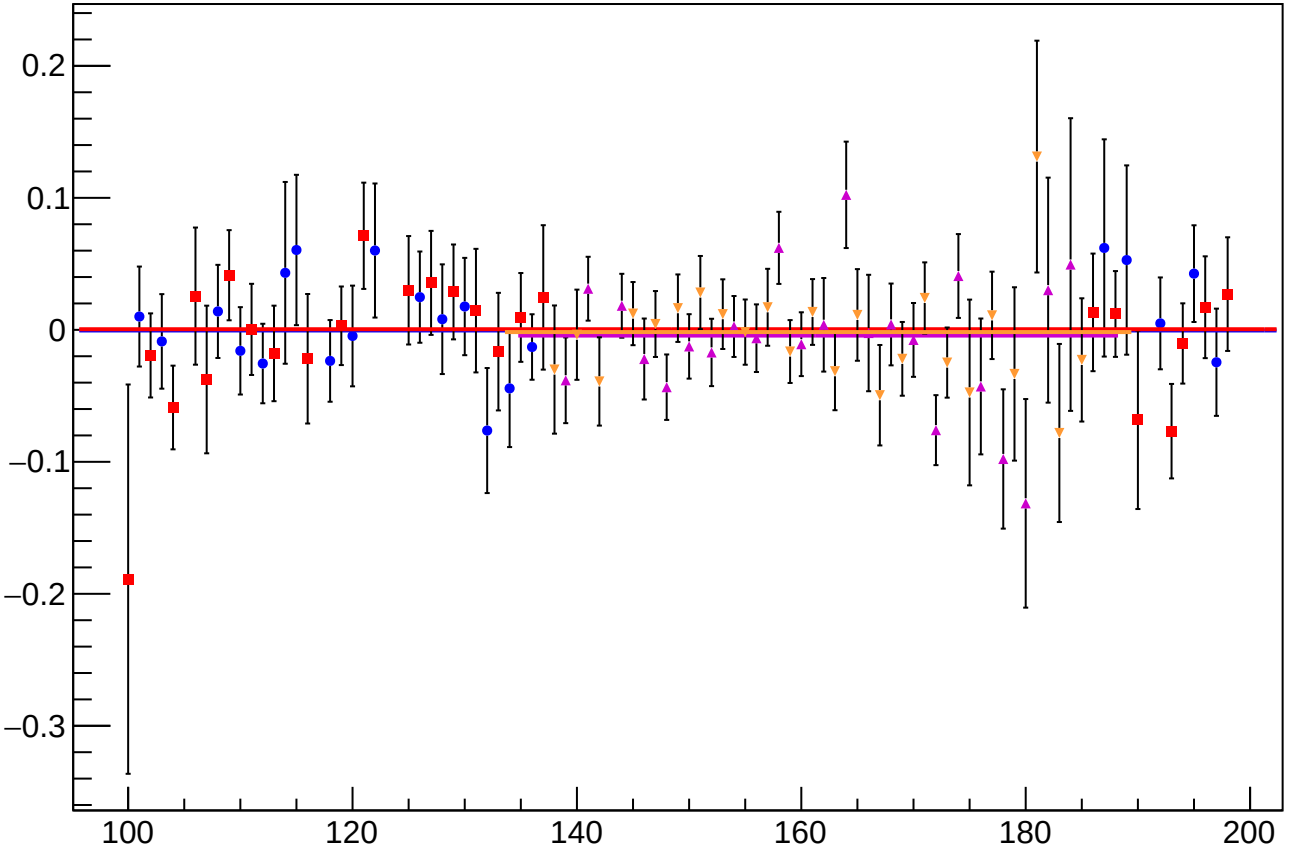
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10873559.5/44

All: 0.000+/-0.000 χ^2/NDF: 23384949.1/92

- sign 0.000+/-0.000 χ^2/NDF: 12511193.5/47

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

Right Out: 0.000+/-0.008 χ^2/NDF: 20.3/24

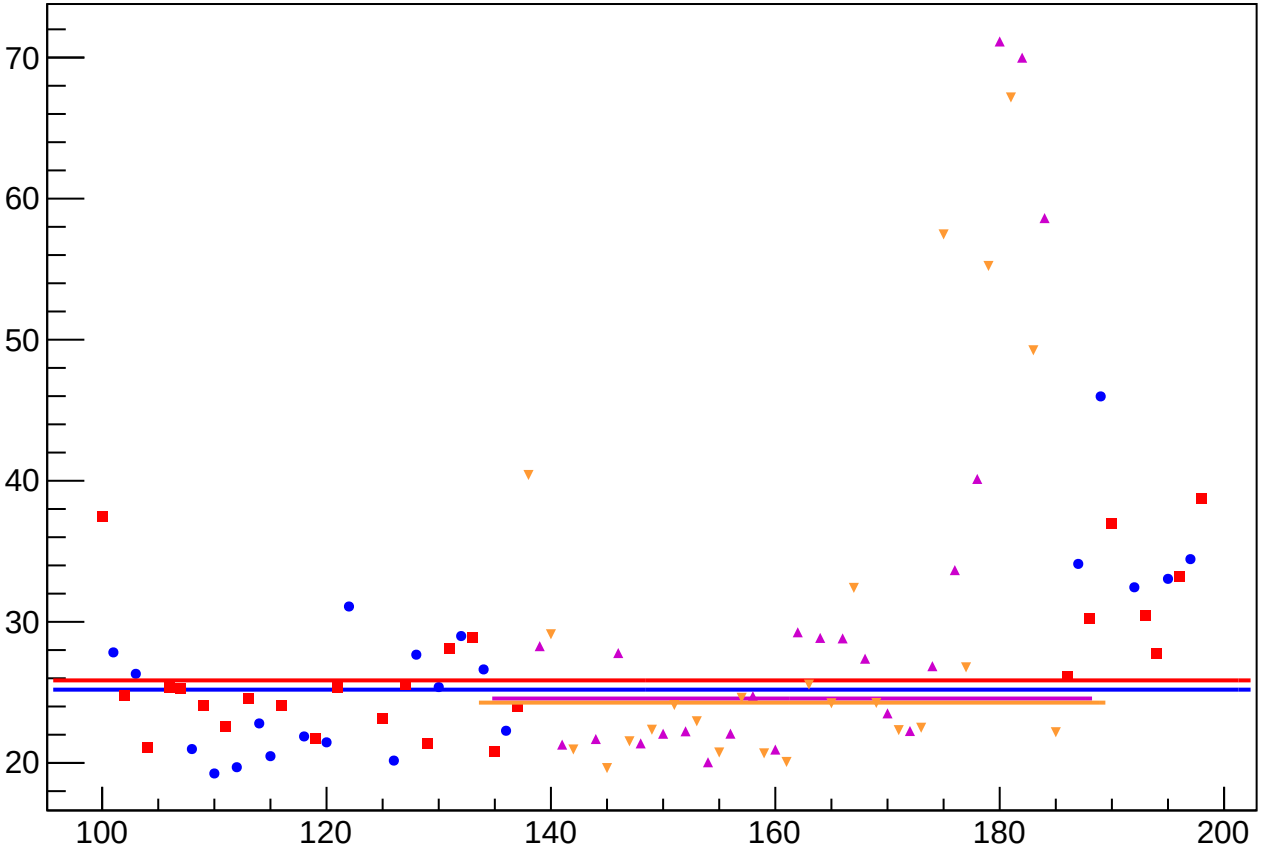
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 26.9/44

All: -0.002+/-0.004 χ^2/NDF: 83.9/92

- sign -0.002+/-0.005 χ^2/NDF: 57.0/47

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.194+/-0.006 χ^2/NDF: 822528.8/20

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

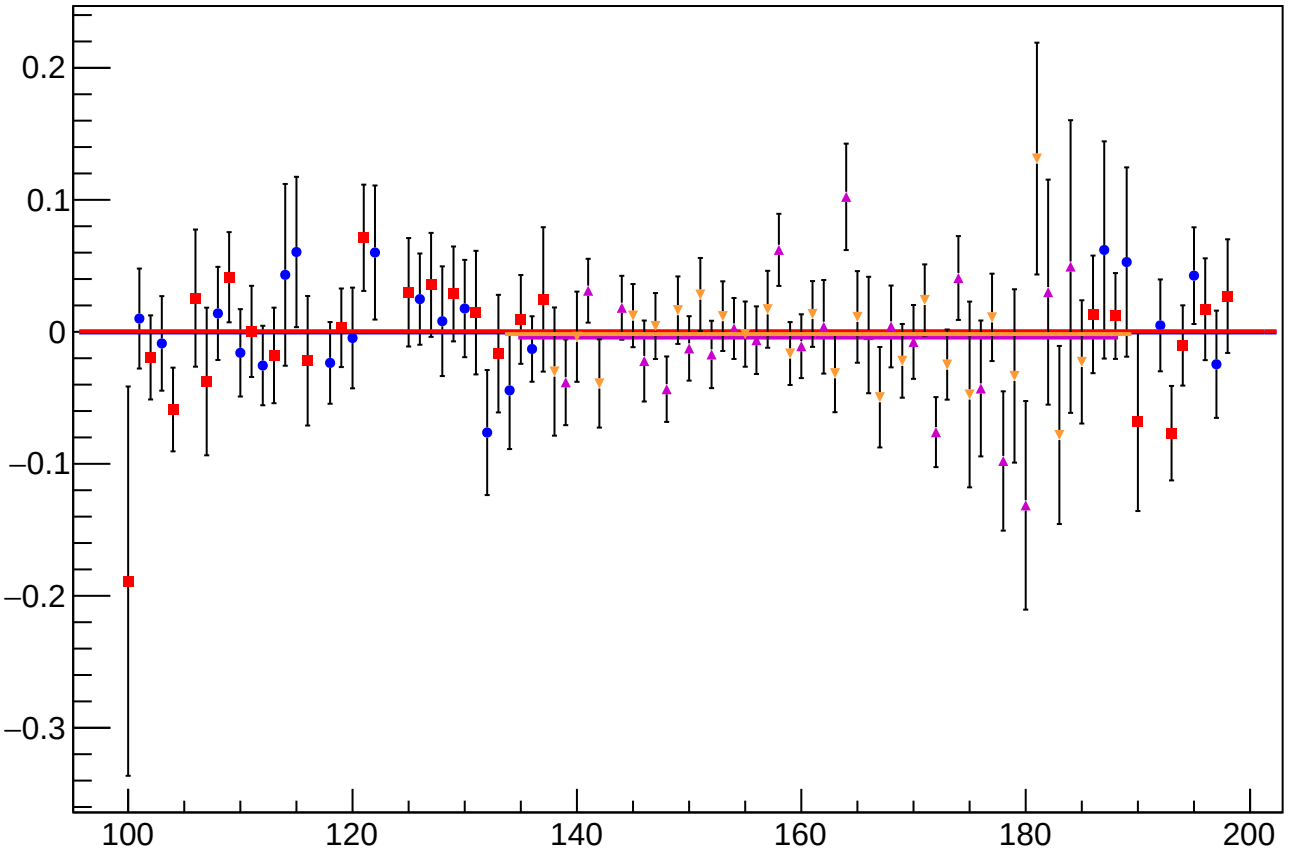
Right Out: 25.851+/-0.006 χ^2/NDF: 613631.8/24

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

+ sign 24.608+/-0.004 χ^2/NDF: 3148470.8/44

All: 24.848+/-0.003 χ^2/NDF: 5936163.0/92

- sign 25.078+/-0.004 χ^2/NDF: 2778891.9/47



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

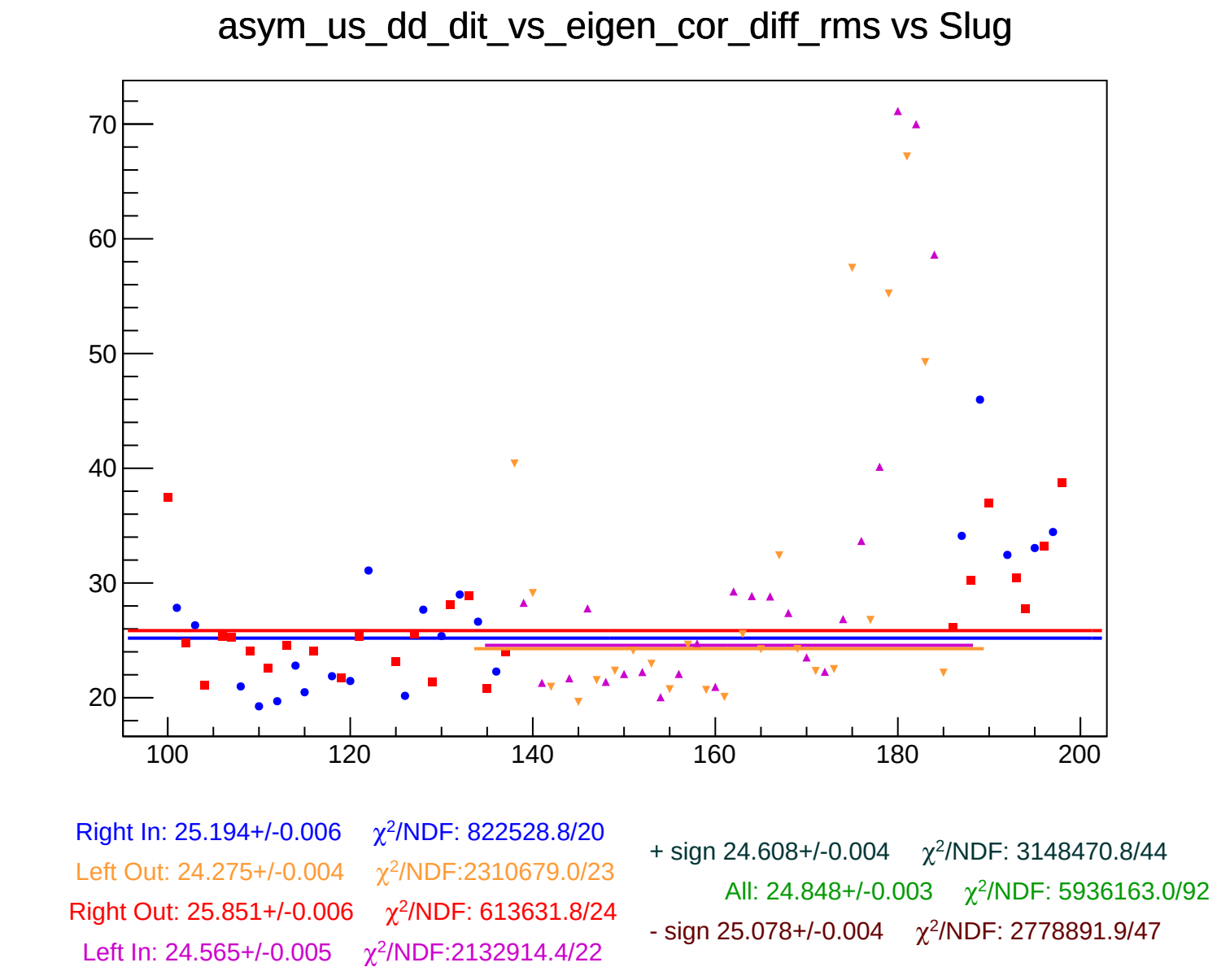
Right Out: 0.000+/-0.008 χ^2/NDF: 20.3/24

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

+ sign -0.001+/-0.005 χ^2/NDF: 26.9/44

All: -0.002+/-0.004 χ^2/NDF: 83.9/92

- sign -0.002+/-0.005 χ^2/NDF: 57.0/47


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug
70
60
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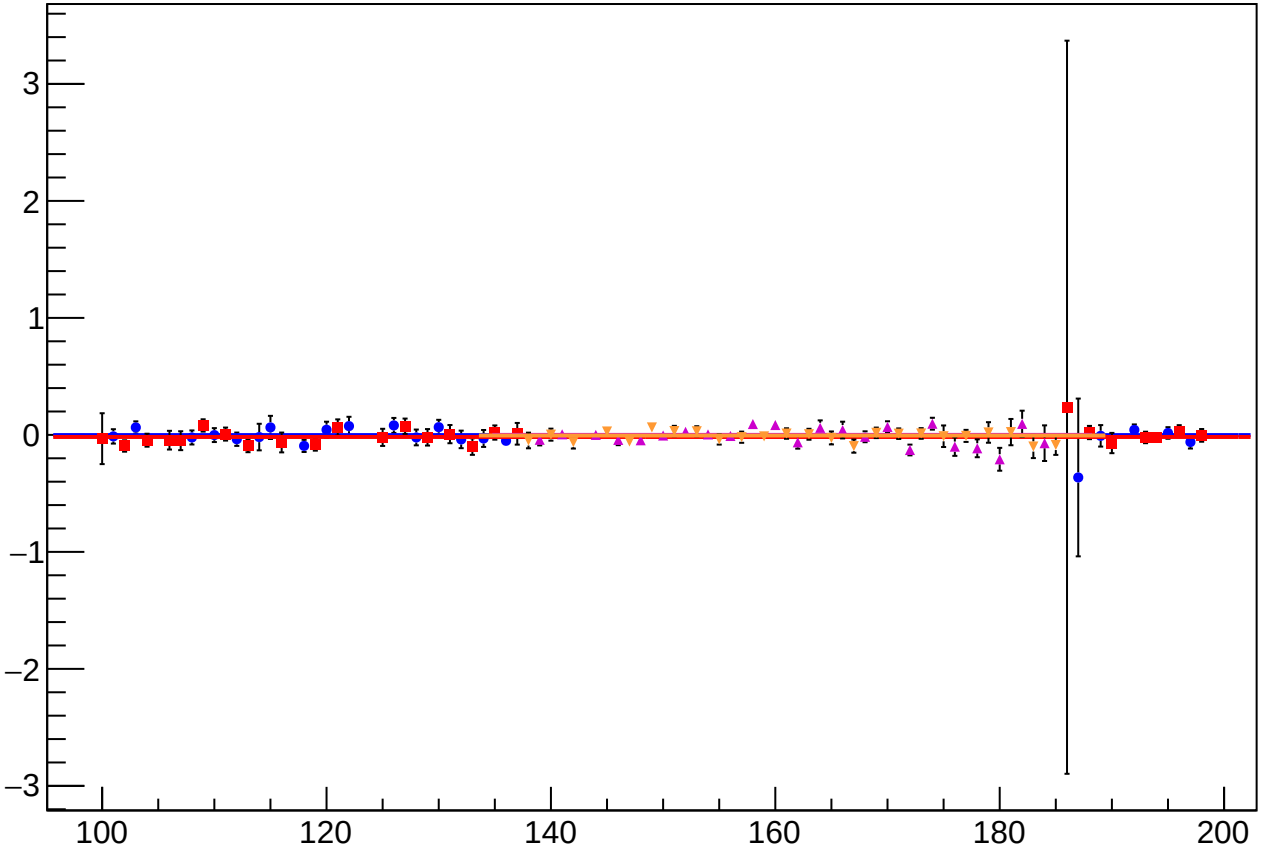
100
120
140
160
180
200
Right In: 25.194+/-0.006 χ²/NDF: 822528.8/20
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 25.851+/-0.006 χ²/NDF: 613631.8/24
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
+ sign 24.608+/-0.004 χ²/NDF: 3148470.8/44
All: 24.848+/-0.003 χ²/NDF: 5936163.0/92
- sign 25.078+/-0.004 χ²/NDF: 2778891.9/47

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.002+/-0.014 χ^2/NDF: 14.1/20

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

Right Out: -0.018+/-0.013 χ^2/NDF: 17.4/24

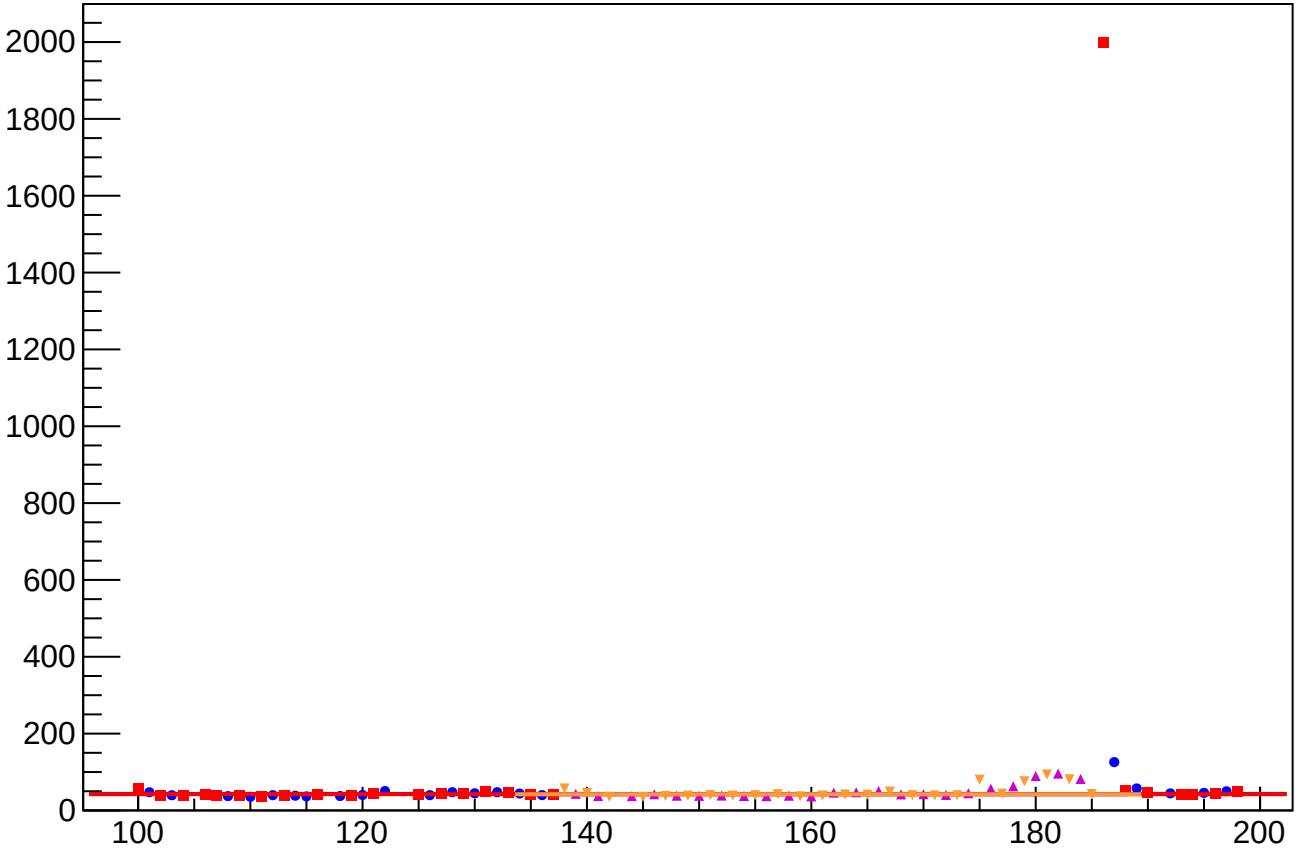
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.004+/-0.008 χ^2/NDF: 28.0/44

All: -0.006+/-0.006 χ^2/NDF: 84.6/92

- sign -0.007+/-0.008 χ^2/NDF: 56.5/47

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.767+/-0.010 χ^2/NDF: 276007.9/20

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

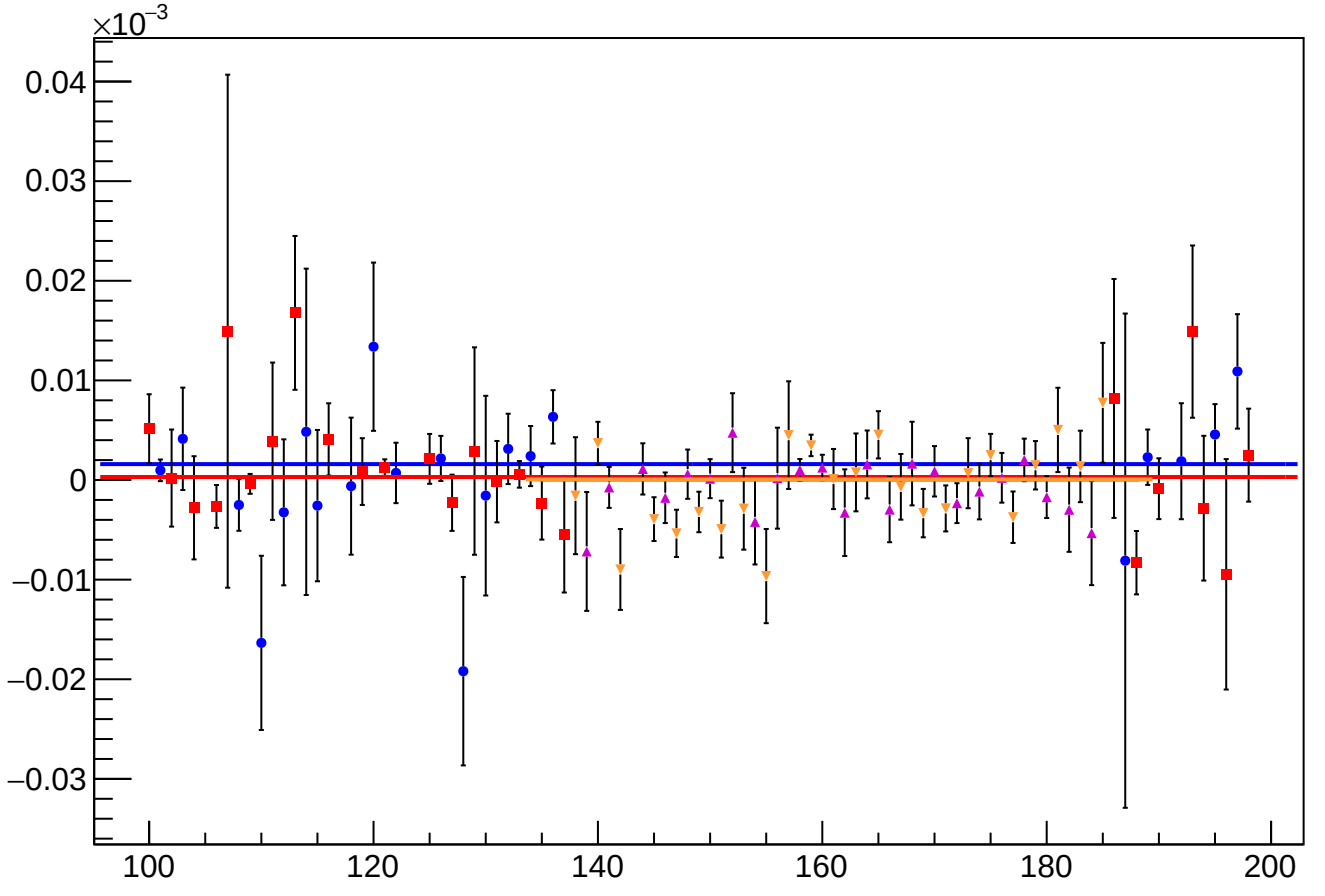
Right Out: 42.470+/-0.009 χ^2/NDF: 991880.1/24

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

+ sign 42.337+/-0.006 χ^2/NDF: 1995182.9/44

All: 42.285+/-0.004 χ^2/NDF: 4531871.1/92

- sign 42.236+/-0.006 χ^2/NDF: 2536535.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/20

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

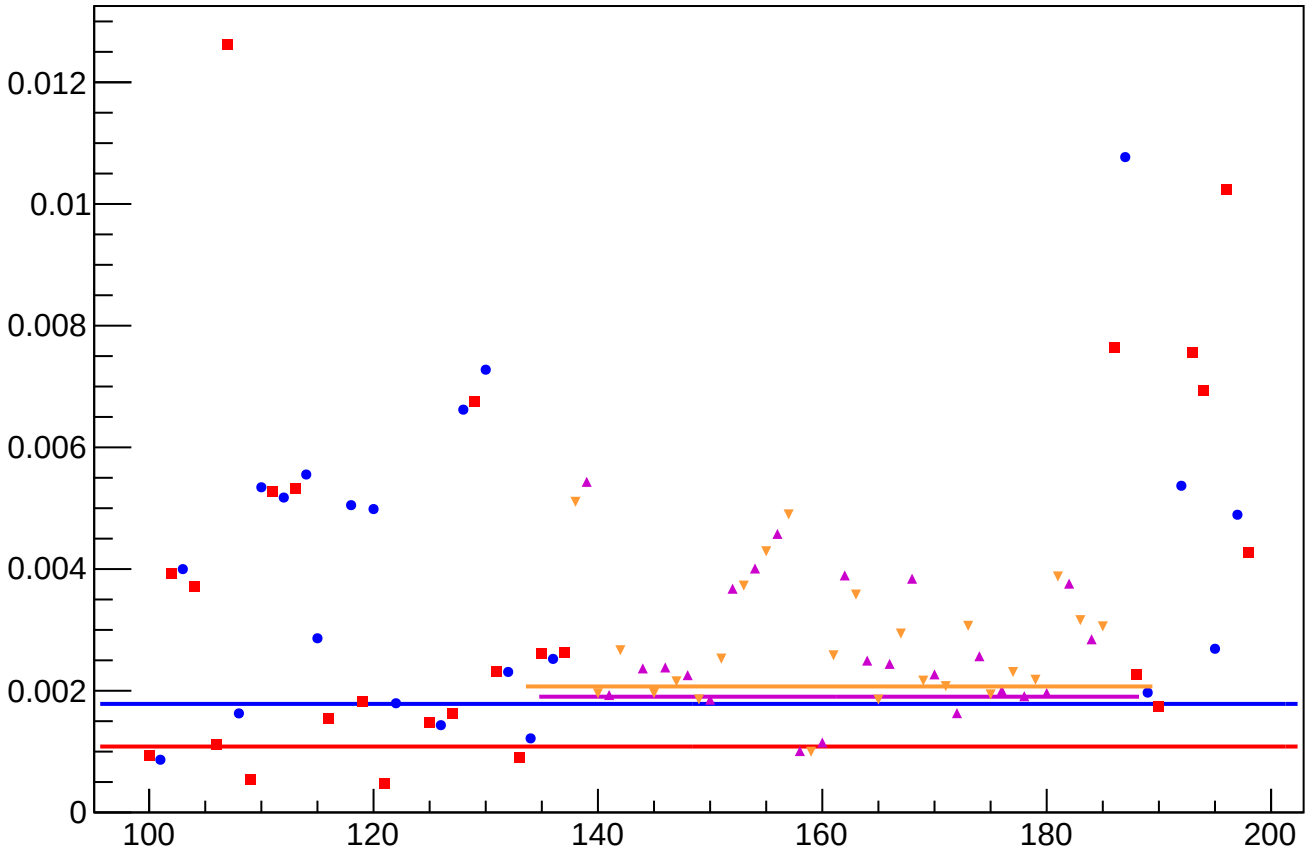
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/24

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

+ sign 0.000+/-0.000 χ^2/NDF: 77.2/44

All: 0.000+/-0.000 χ^2/NDF: 117.9/92

- sign 0.000+/-0.000 χ^2/NDF: 40.1/47



Right In: 0.002+/-0.000 χ^2/NDF: 6680885.0/20

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

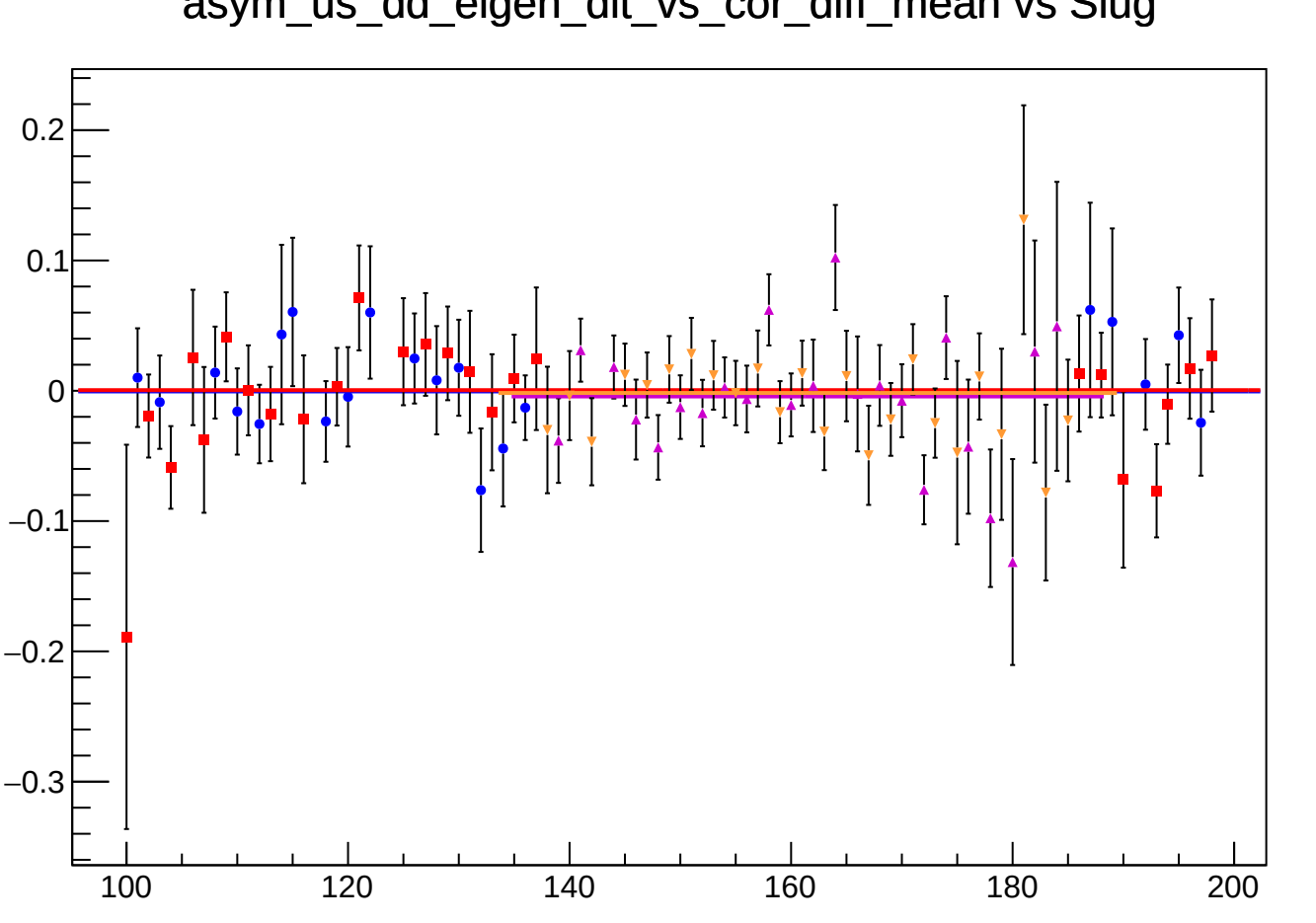
Right Out: 0.001+/-0.000 χ^2/NDF: 11561974.1/24

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

+ sign 0.002+/-0.000 χ^2/NDF: 12161244.5/44

All: 0.002+/-0.000 χ^2/NDF: 34098130.9/92

- sign 0.001+/-0.000 χ^2/NDF: 20329669.0/47



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

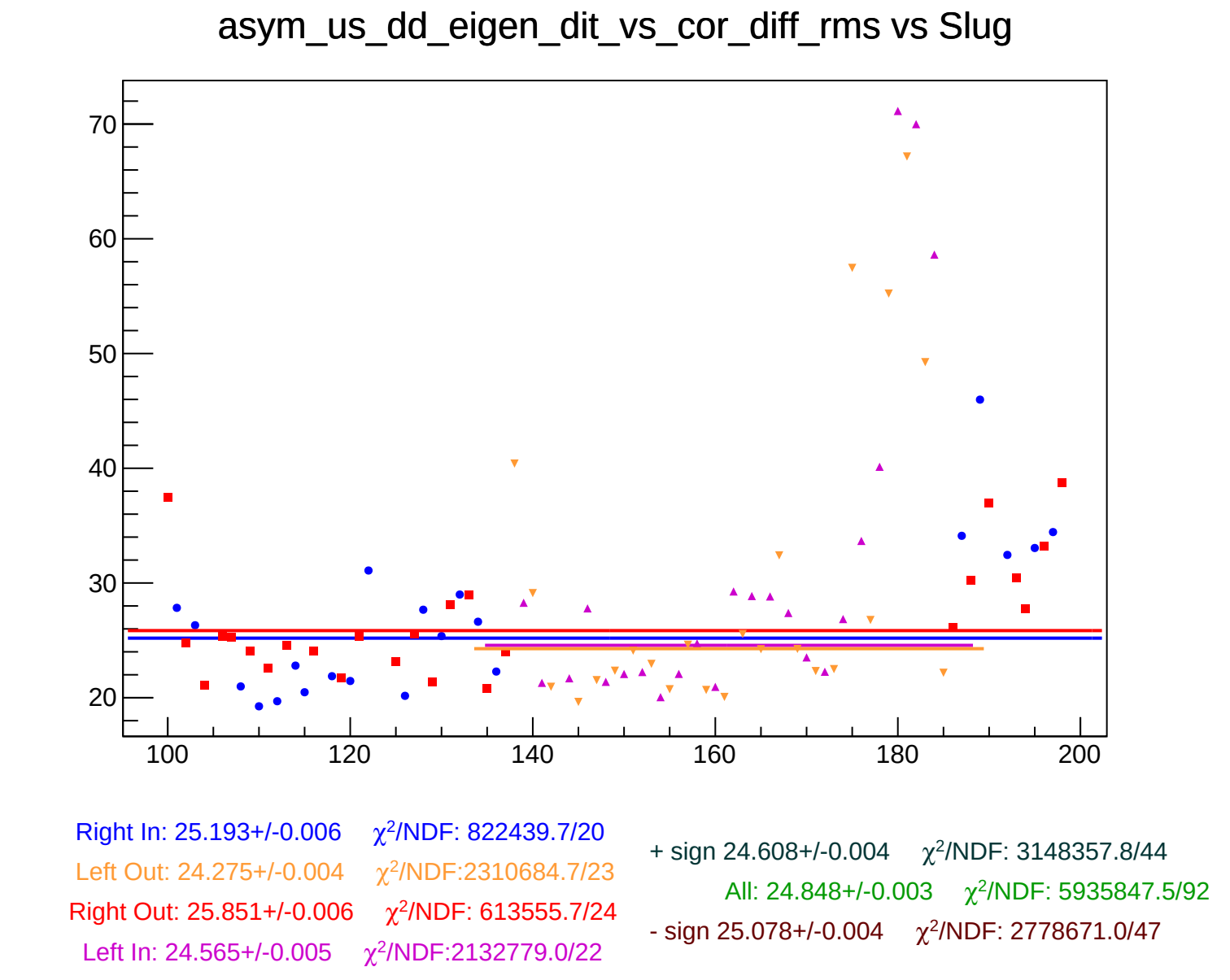
Right Out: 0.000+/-0.008 χ^2/NDF: 20.3/24

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

+ sign -0.001+/-0.005 χ^2/NDF: 26.9/44

All: -0.002+/-0.004 χ^2/NDF: 83.9/92

- sign -0.002+/-0.005 χ^2/NDF: 57.0/47


asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug
70
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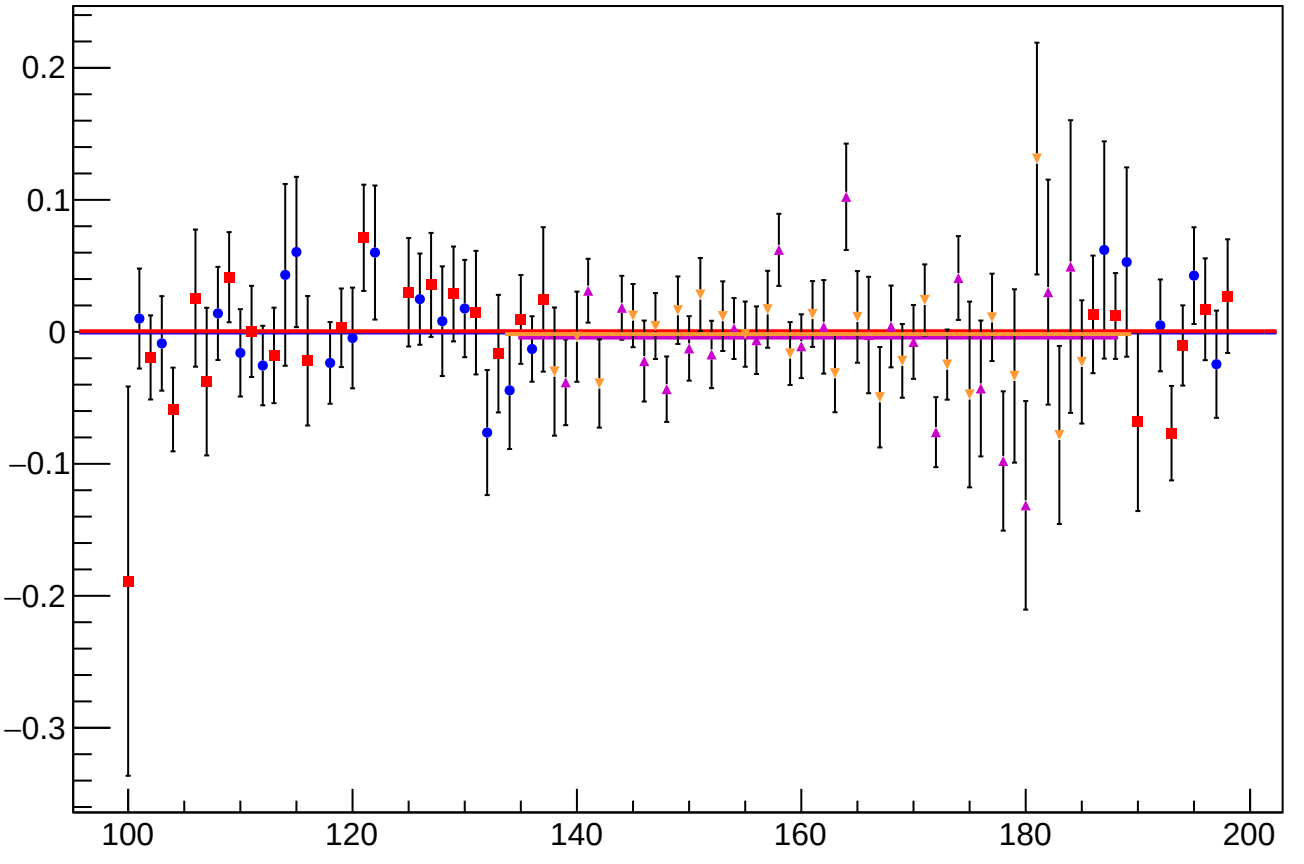
Right In: 25.193+/-0.006 χ²/NDF: 822439.7/20
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 25.851+/-0.006 χ²/NDF: 613555.7/24
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
+ sign 24.608+/-0.004 χ²/NDF: 3148357.8/44
All: 24.848+/-0.003 χ²/NDF: 5935847.5/92
- sign 25.078+/-0.004 χ²/NDF: 2778671.0/47



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

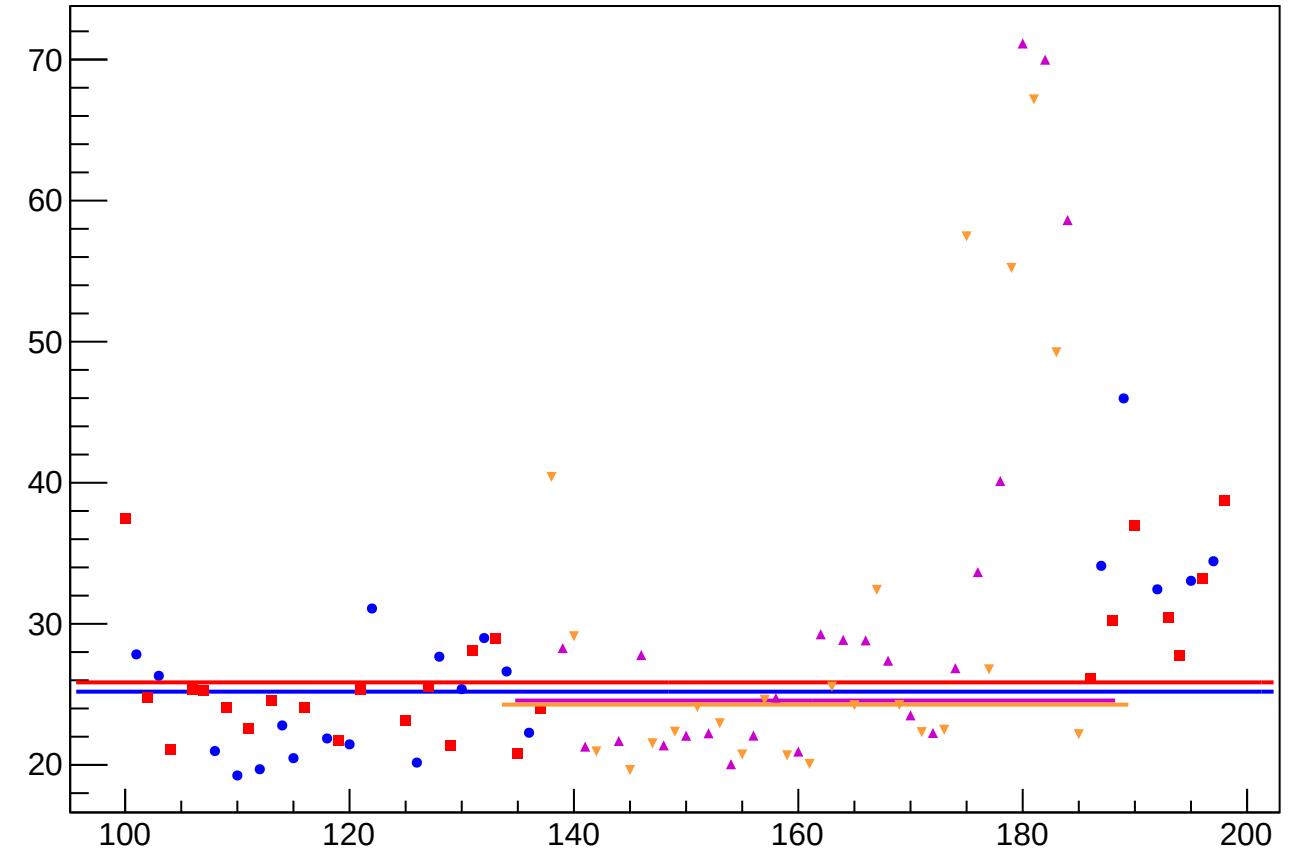
Right Out: 0.000+/-0.008 χ^2/NDF: 20.3/24

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

+ sign -0.001+/-0.005 χ^2/NDF: 26.9/44

All: -0.002+/-0.004 χ^2/NDF: 83.9/92

- sign -0.002+/-0.005 χ^2/NDF: 57.0/47



Right In: 25.193+/-0.006 χ^2/NDF: 822439.7/20

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

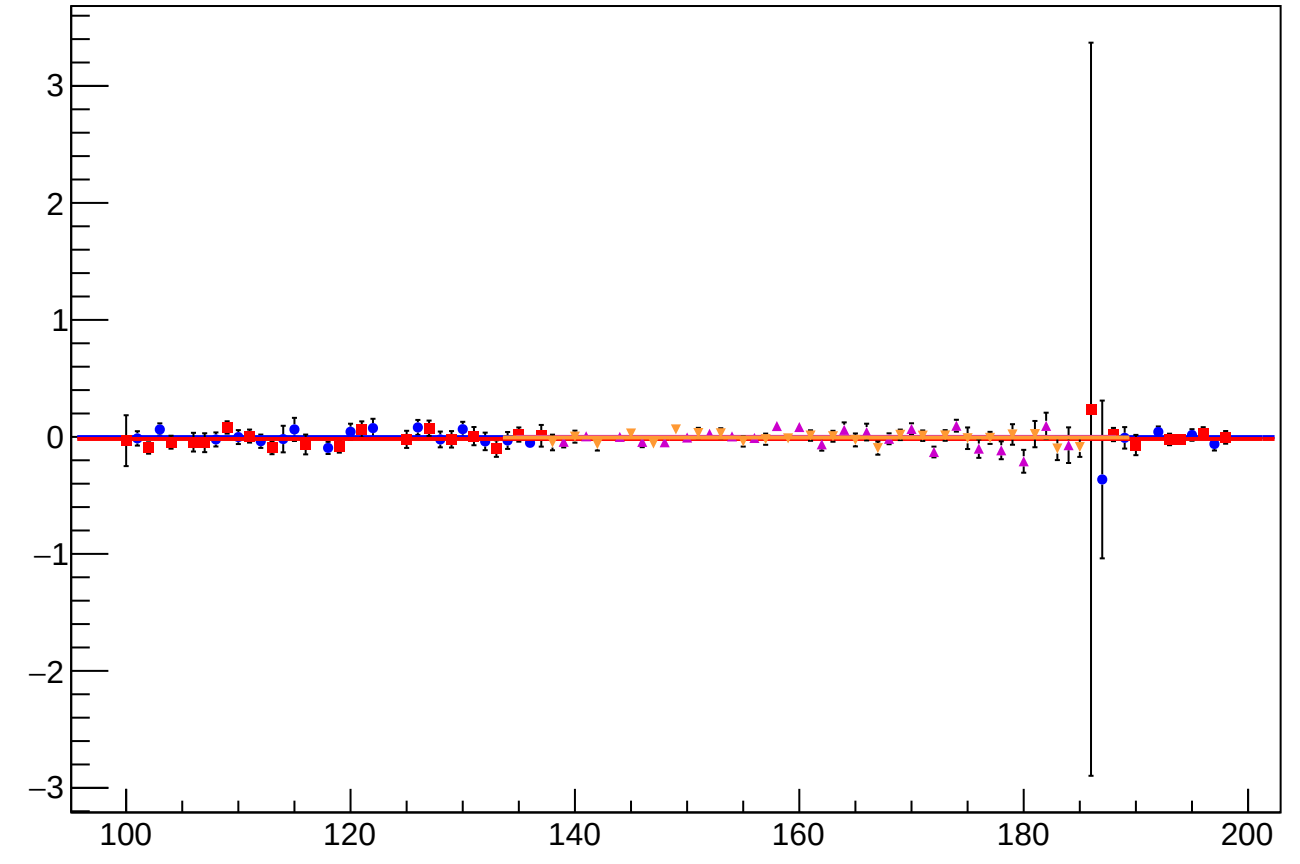
Right Out: 25.851+/-0.006 χ^2/NDF: 613555.7/24

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

+ sign 24.608+/-0.004 χ^2/NDF: 3148357.8/44

All: 24.848+/-0.003 χ^2/NDF: 5935847.5/92

- sign 25.078+/-0.004 χ^2/NDF: 2778671.0/47



Right In: -0.002+/-0.014 χ^2/NDF: 14.1/20

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

Right Out: -0.018+/-0.013 χ^2/NDF: 17.4/24

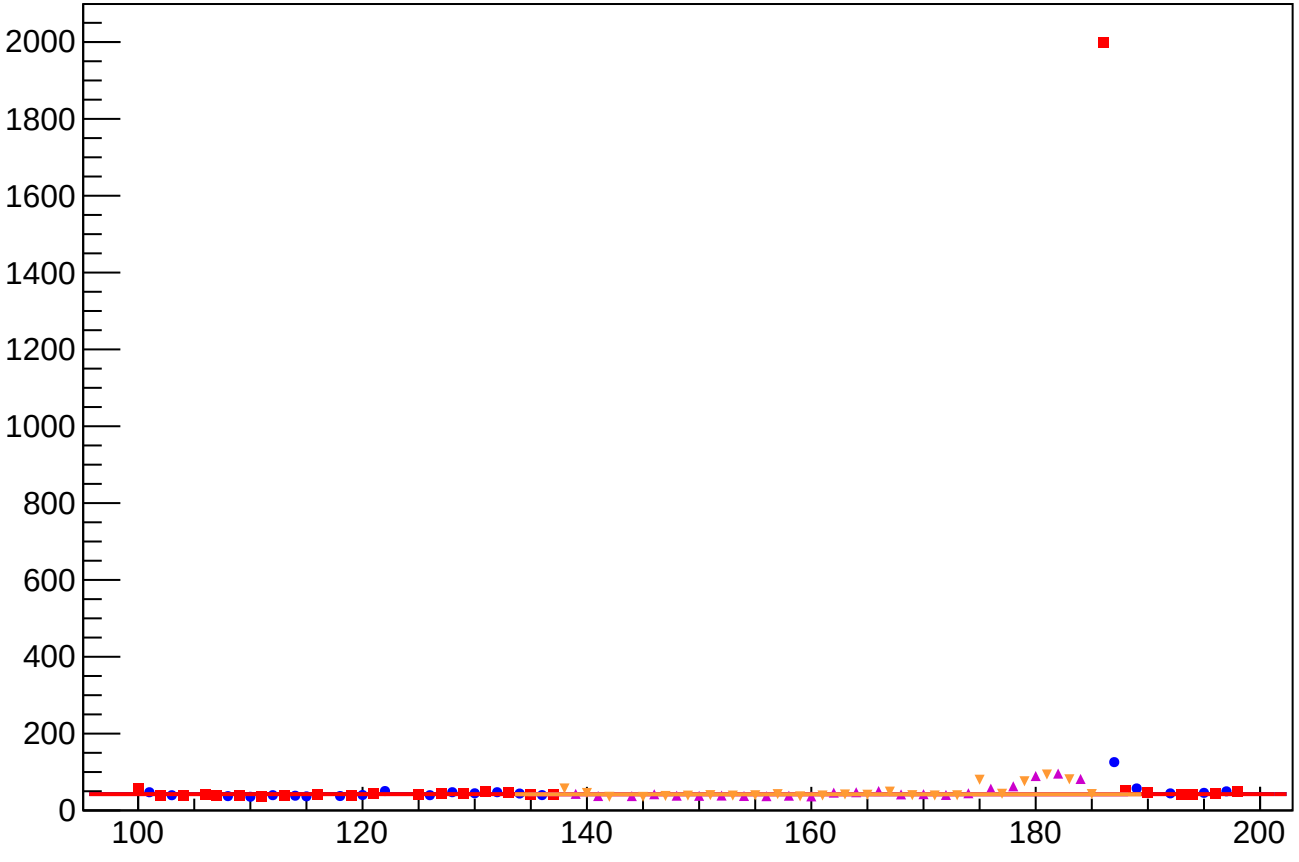
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.004+/-0.008 χ^2/NDF: 28.0/44

All: -0.006+/-0.006 χ^2/NDF: 84.6/92

- sign -0.007+/-0.008 χ^2/NDF: 56.5/47

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.767+/-0.010 χ^2/NDF: 275972.7/20

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

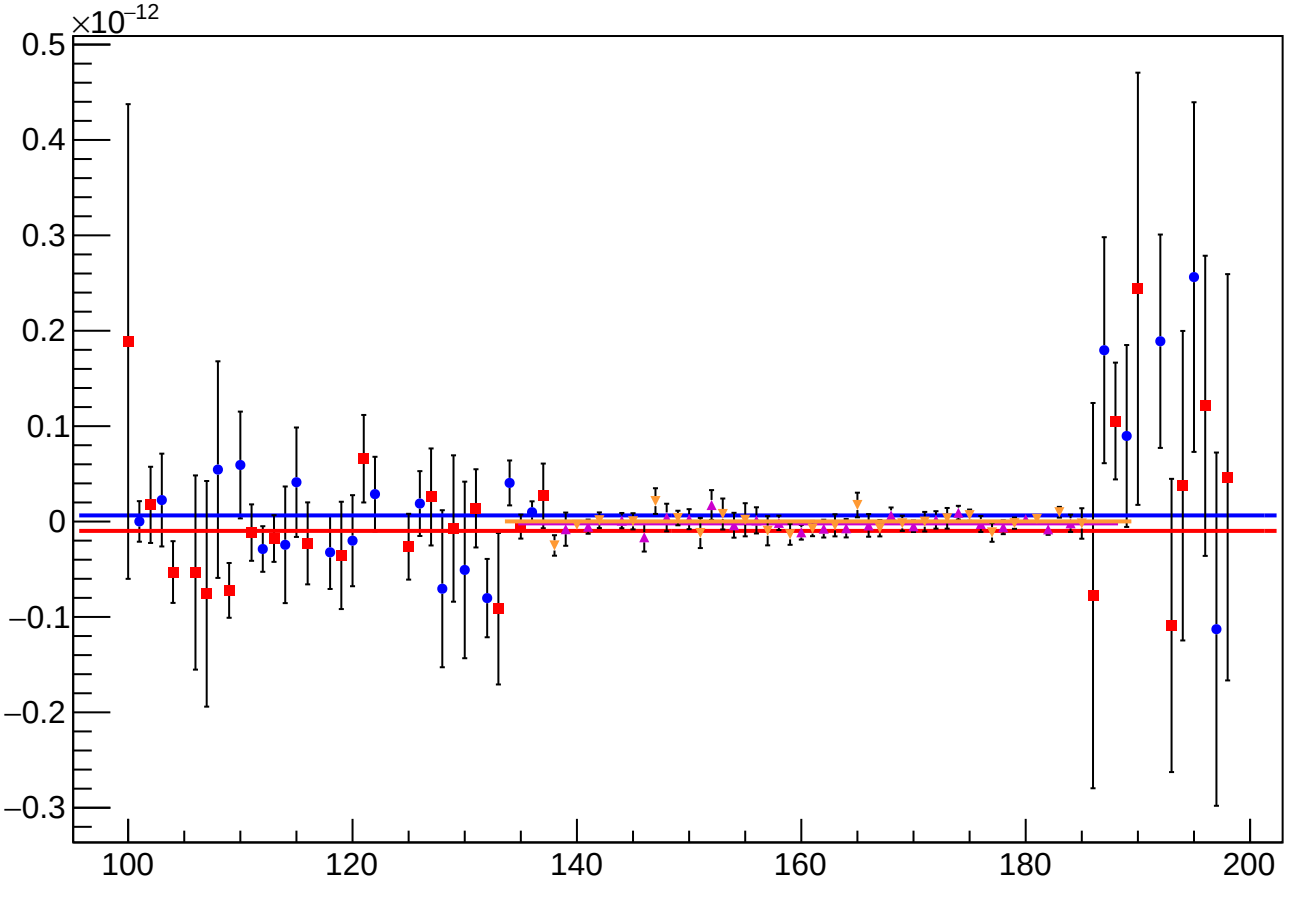
Right Out: 42.470+/-0.009 χ^2/NDF: 991872.1/24

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

+ sign 42.337+/-0.006 χ^2/NDF: 1995134.1/44

All: 42.285+/-0.004 χ^2/NDF: 4531788.1/92

- sign 42.236+/-0.006 χ^2/NDF: 2536501.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/20

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

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/24

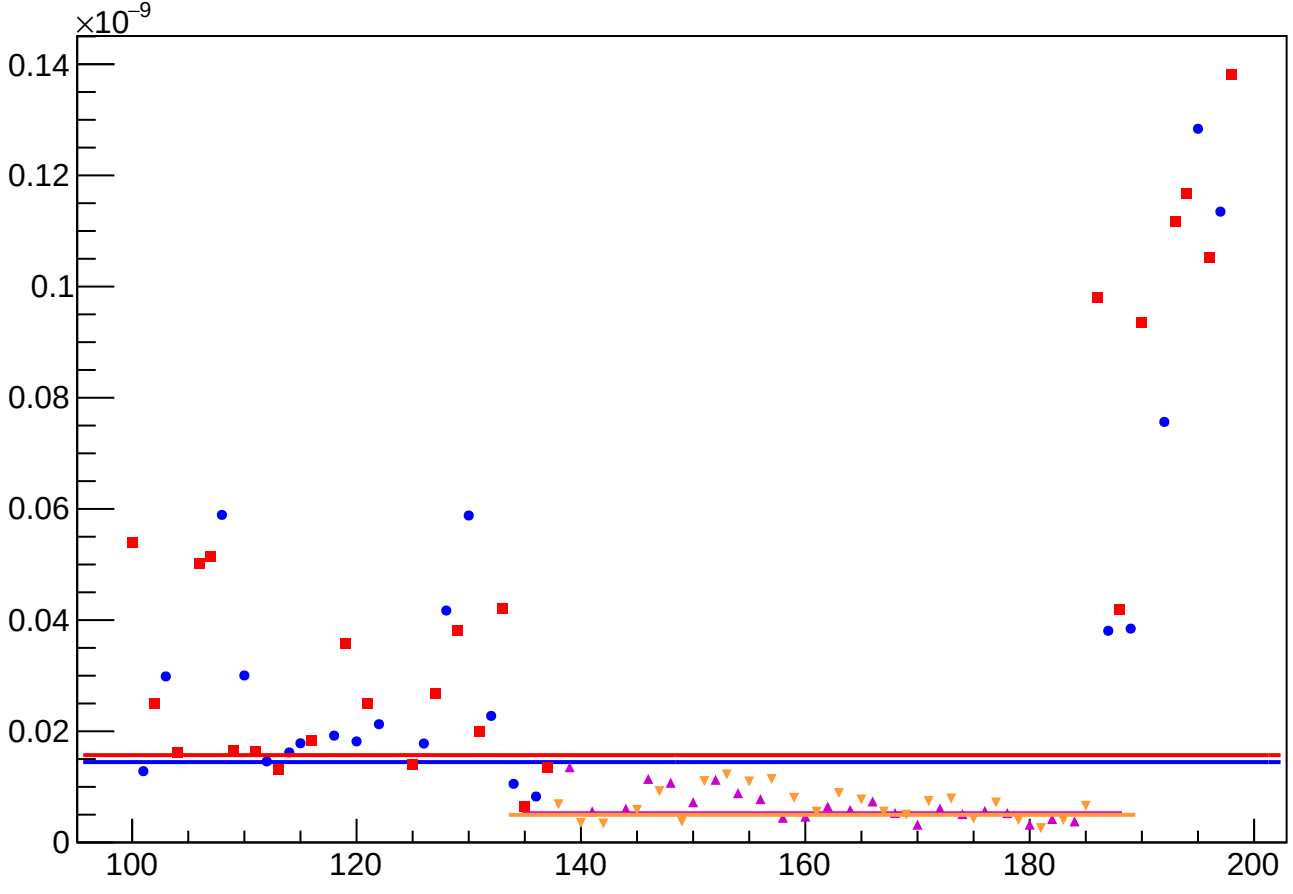
Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/44

All: -0.000+/-0.000 χ^2/NDF: 78.4/92

- sign -0.000+/-0.000 χ^2/NDF: 33.6/47

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4365164.5/20

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

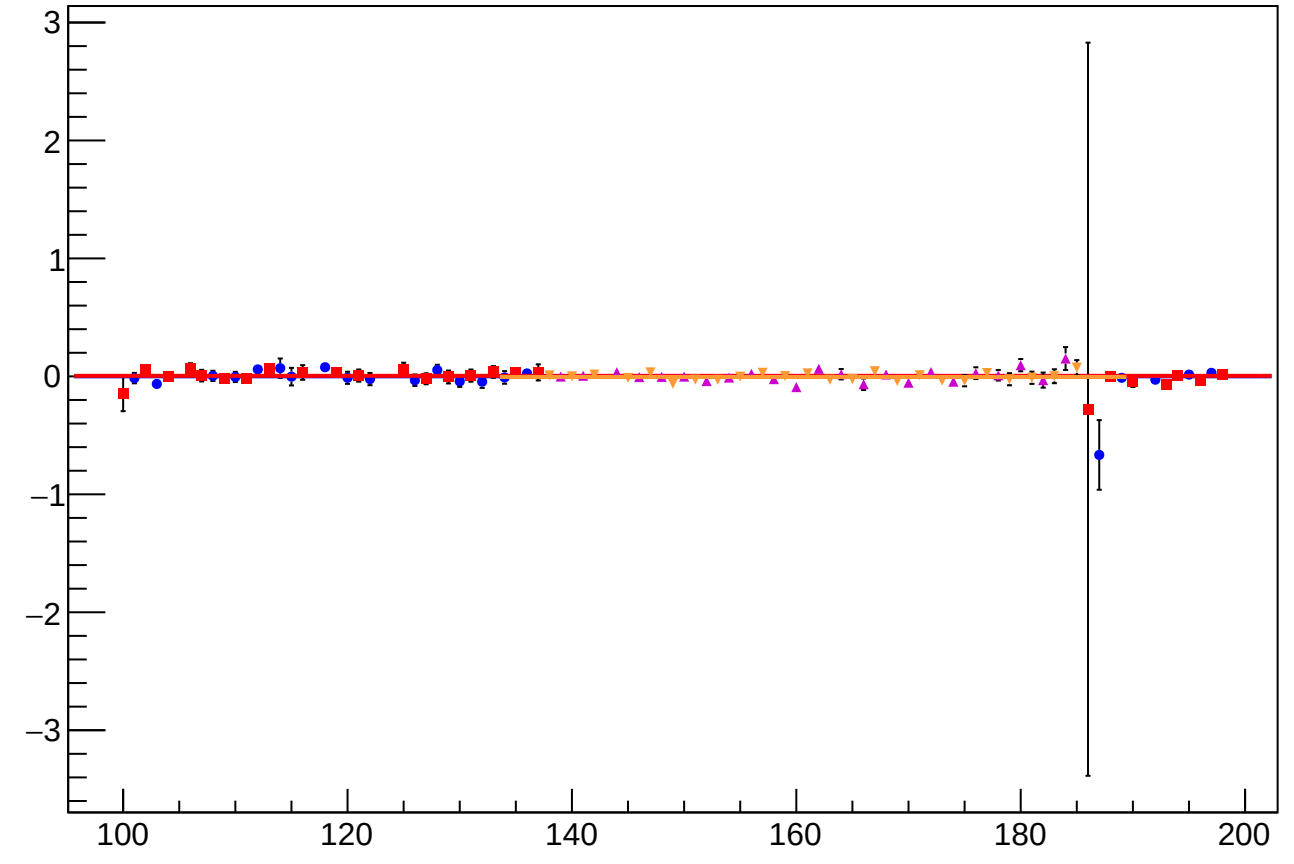
Right Out: 0.000+/-0.000 χ^2/NDF: 6346230.4/24

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

+ sign 0.000+/-0.000 χ^2/NDF: 11098314.3/44

All: 0.000+/-0.000 χ^2/NDF: 23626767.0/92

- sign 0.000+/-0.000 χ^2/NDF: 12492150.6/47



Right In: 0.000+/-0.009 χ^2/NDF: 22.9/20

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

Right Out: 0.005+/-0.008 χ^2/NDF: 21.0/24

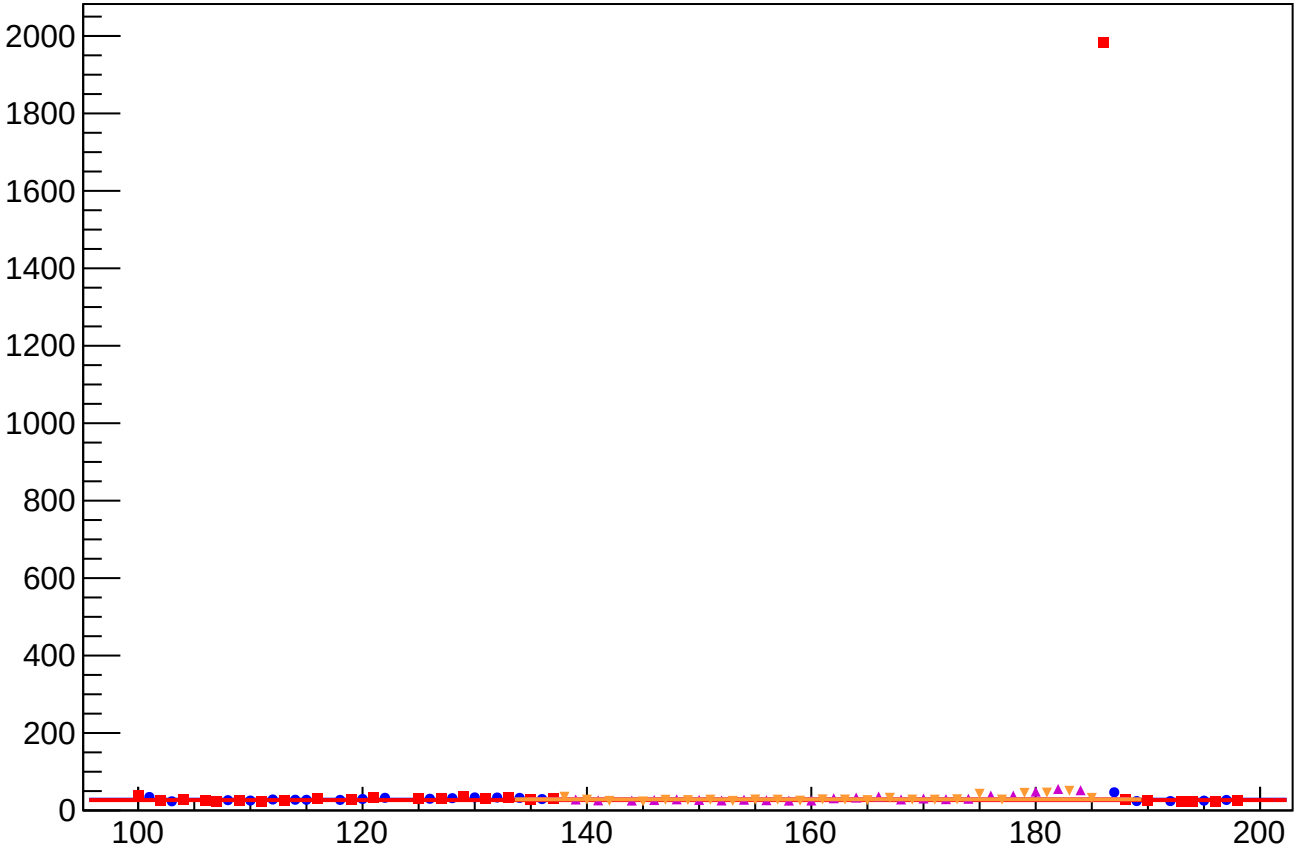
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.003+/-0.006 χ^2/NDF: 39.9/44

All: -0.002+/-0.004 χ^2/NDF: 92.9/92

- sign -0.000+/-0.005 χ^2/NDF: 52.9/47

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 27.746+/-0.006 χ^2/NDF: 285389.0/20

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

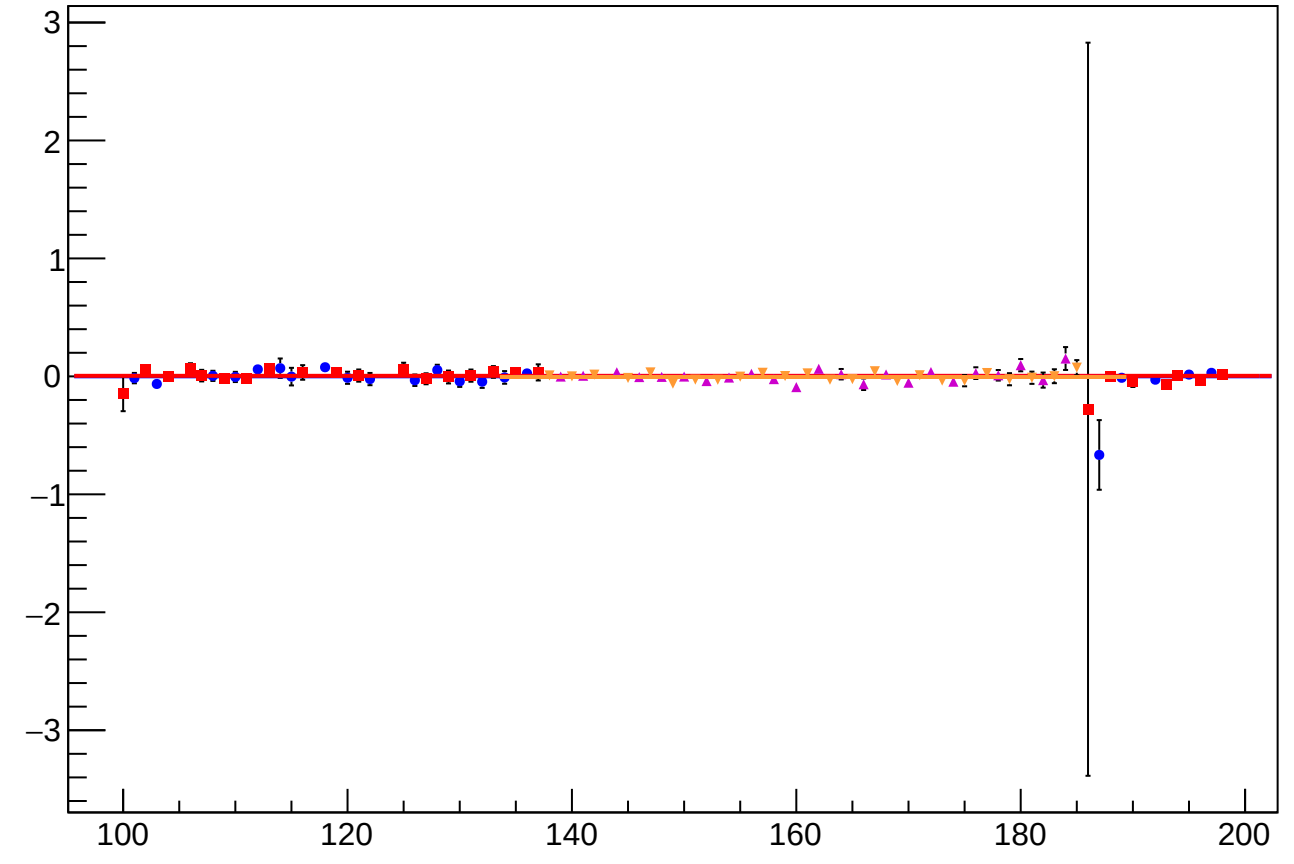
Right Out: 26.764+/-0.006 χ^2/NDF: 1079739.3/24

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

+ sign 28.384+/-0.004 χ^2/NDF: 1472501.2/44

All: 28.269+/-0.003 χ^2/NDF: 3799910.8/92

- sign 28.161+/-0.004 χ^2/NDF: 2325747.6/47



Right In: 0.000+/-0.009 χ^2/NDF: 22.9/20

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

Right Out: 0.005+/-0.008 χ^2/NDF: 21.0/24

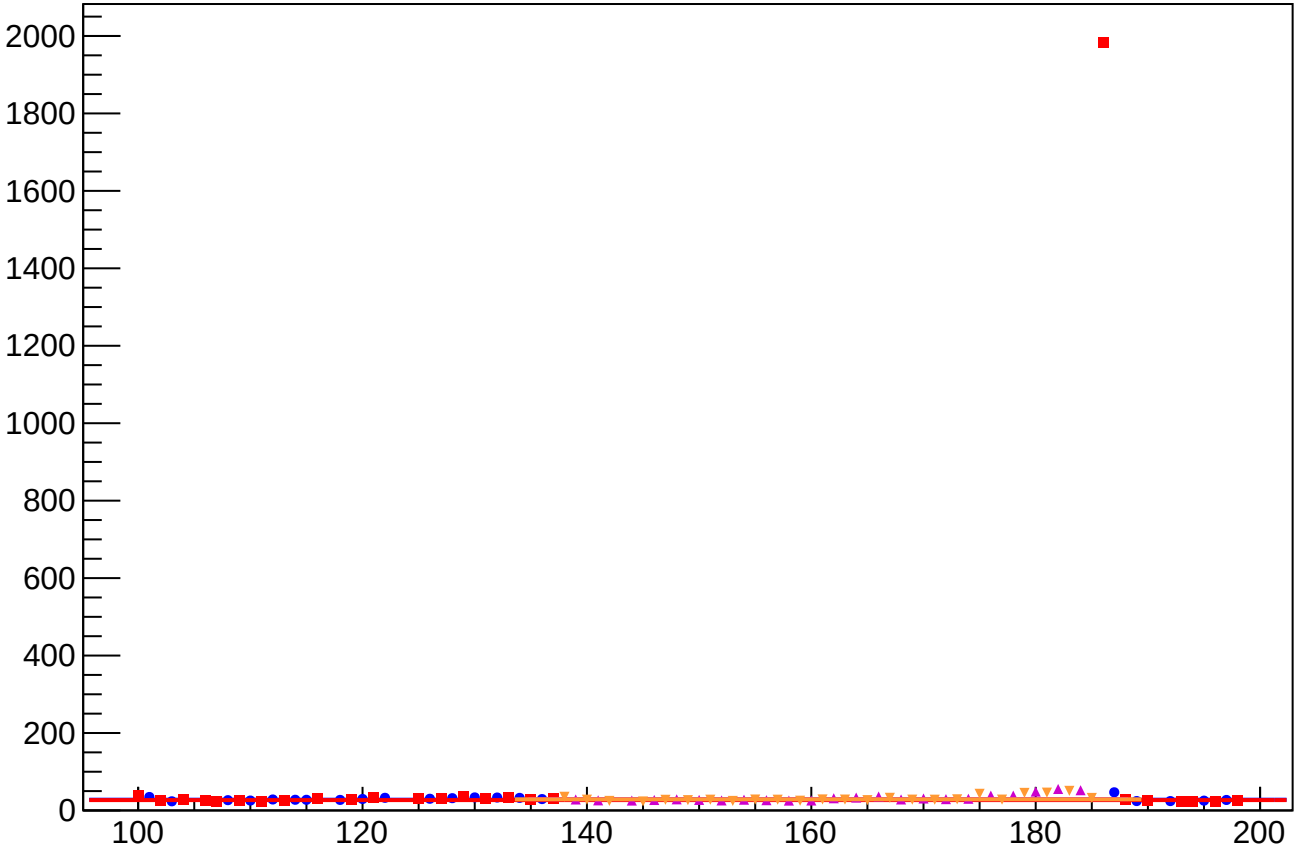
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.003+/-0.006 χ^2/NDF: 39.9/44

All: -0.002+/-0.004 χ^2/NDF: 92.9/92

- sign -0.000+/-0.005 χ^2/NDF: 52.9/47

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 27.746+/-0.006 χ^2/NDF: 285389.0/20

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

Right Out: 26.764+/-0.006 χ^2/NDF: 1079739.3/24

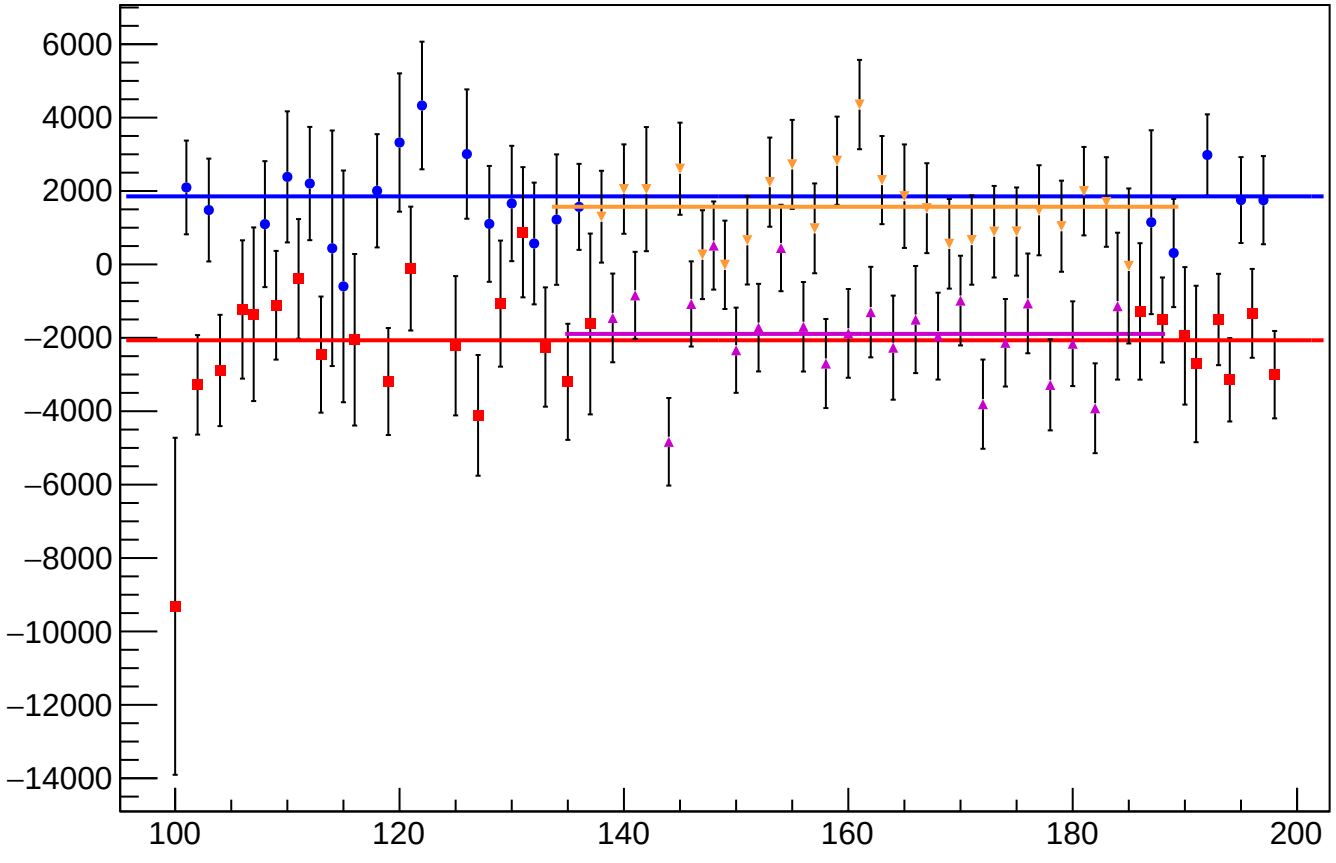
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.384+/-0.004 χ^2/NDF: 1472501.2/44

All: 28.269+/-0.003 χ^2/NDF: 3799910.8/92

- sign 28.161+/-0.004 χ^2/NDF: 2325747.6/47

reg_asym_usl_mean vs Slug



Right In: 1853.832+/-336.719 χ^2/NDF: 7.6/20

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

Right Out: -2067.055+/-311.288 χ^2/NDF: 15.1/25

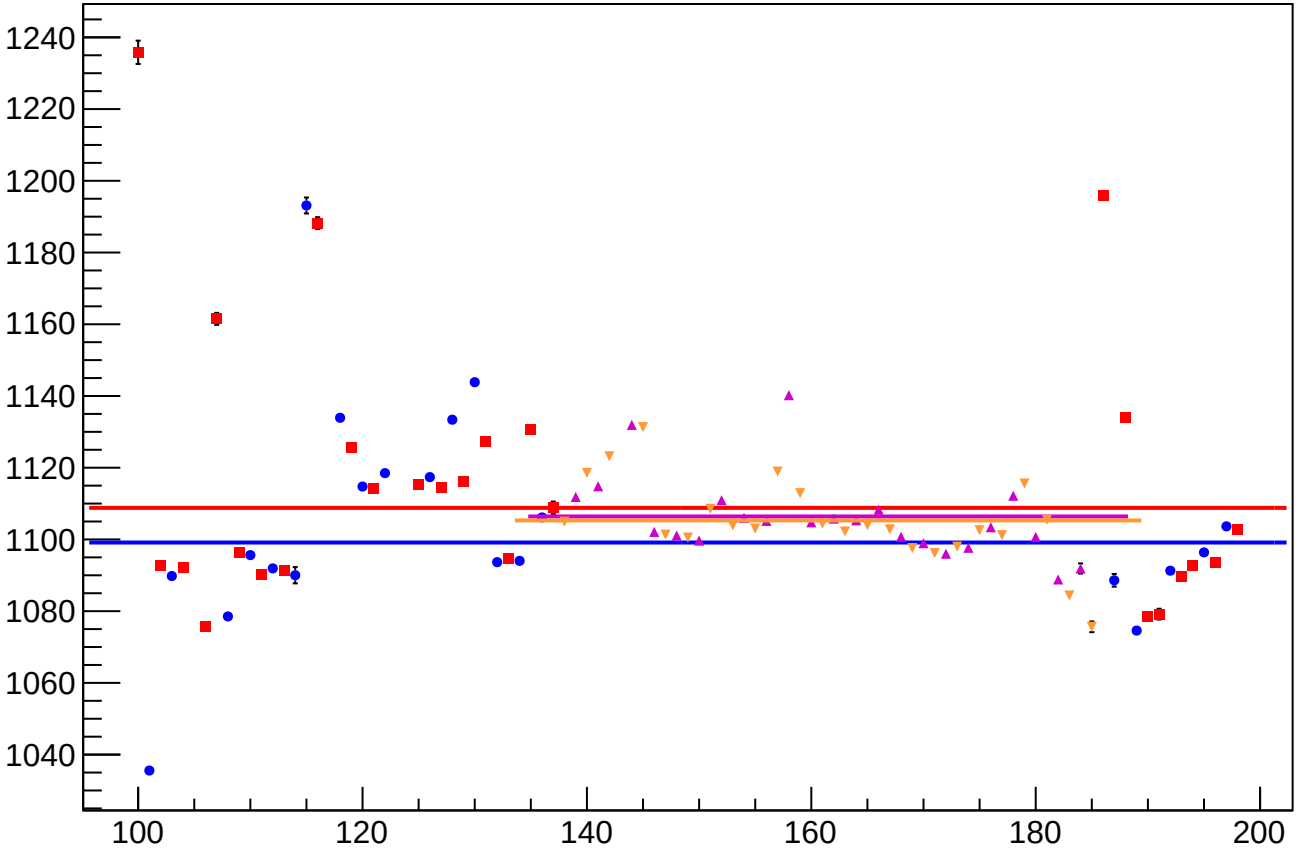
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1674.910+/-204.060 χ^2/NDF: 23.4/44

All: -192.183+/-142.395 χ^2/NDF: 226.0/93

- sign -1964.192+/-198.796 χ^2/NDF: 39.4/48

reg_asym_usl_rms vs Slug



Right In: 1099.142+/-0.238 χ^2/NDF: 12190.6/20

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

Right Out: 1108.806+/-0.220 χ^2/NDF: 15240.3/25

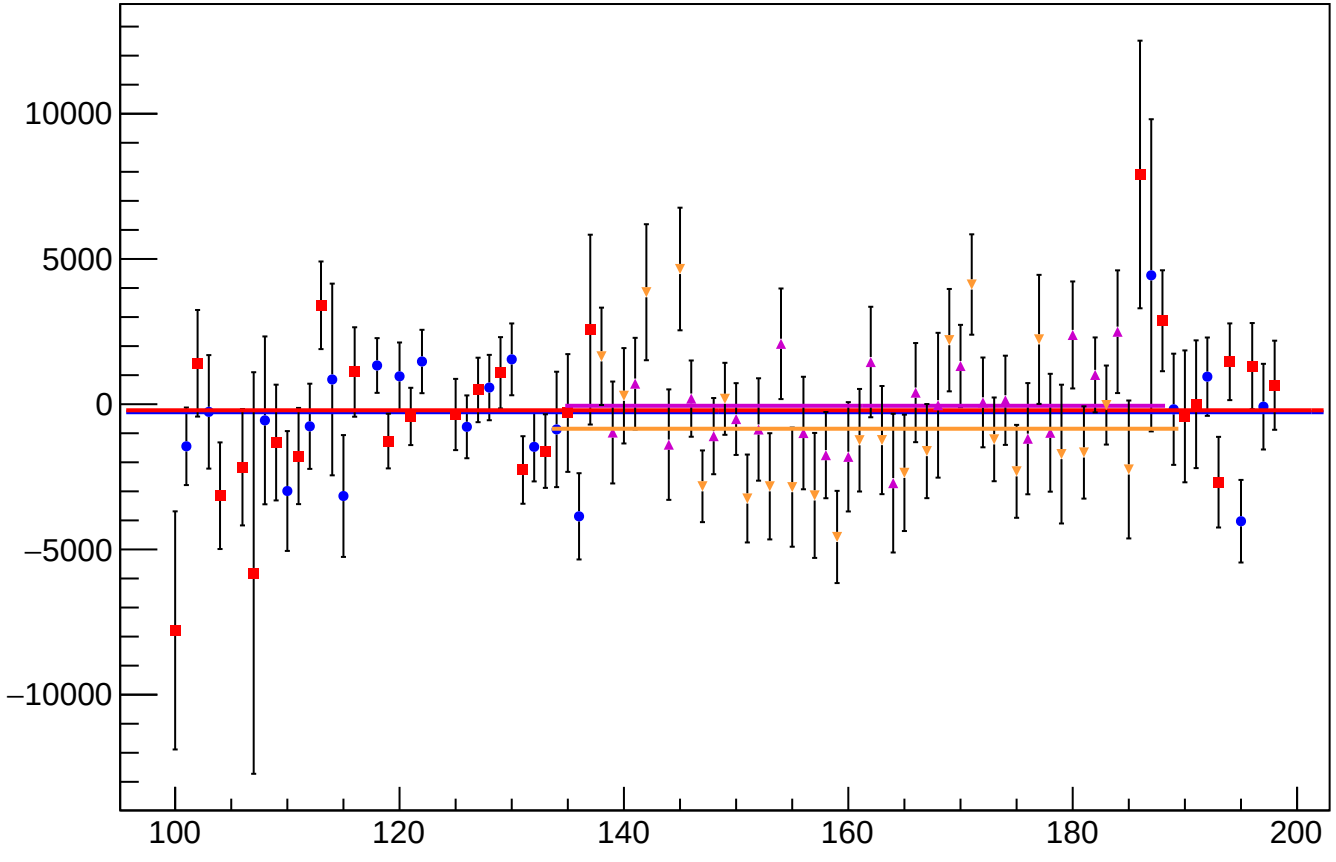
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1103.035+/-0.144 χ^2/NDF: 15774.8/44

All: 1105.266+/-0.101 χ^2/NDF: 35328.2/93

- sign 1107.384+/-0.141 χ^2/NDF: 19087.1/48

asym_usl_reg_correction_mean vs Slug



Right In: -275.806+/-313.228 χ^2/NDF: 29.7/20

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

Right Out: -208.806+/-300.932 χ^2/NDF: 35.7/25

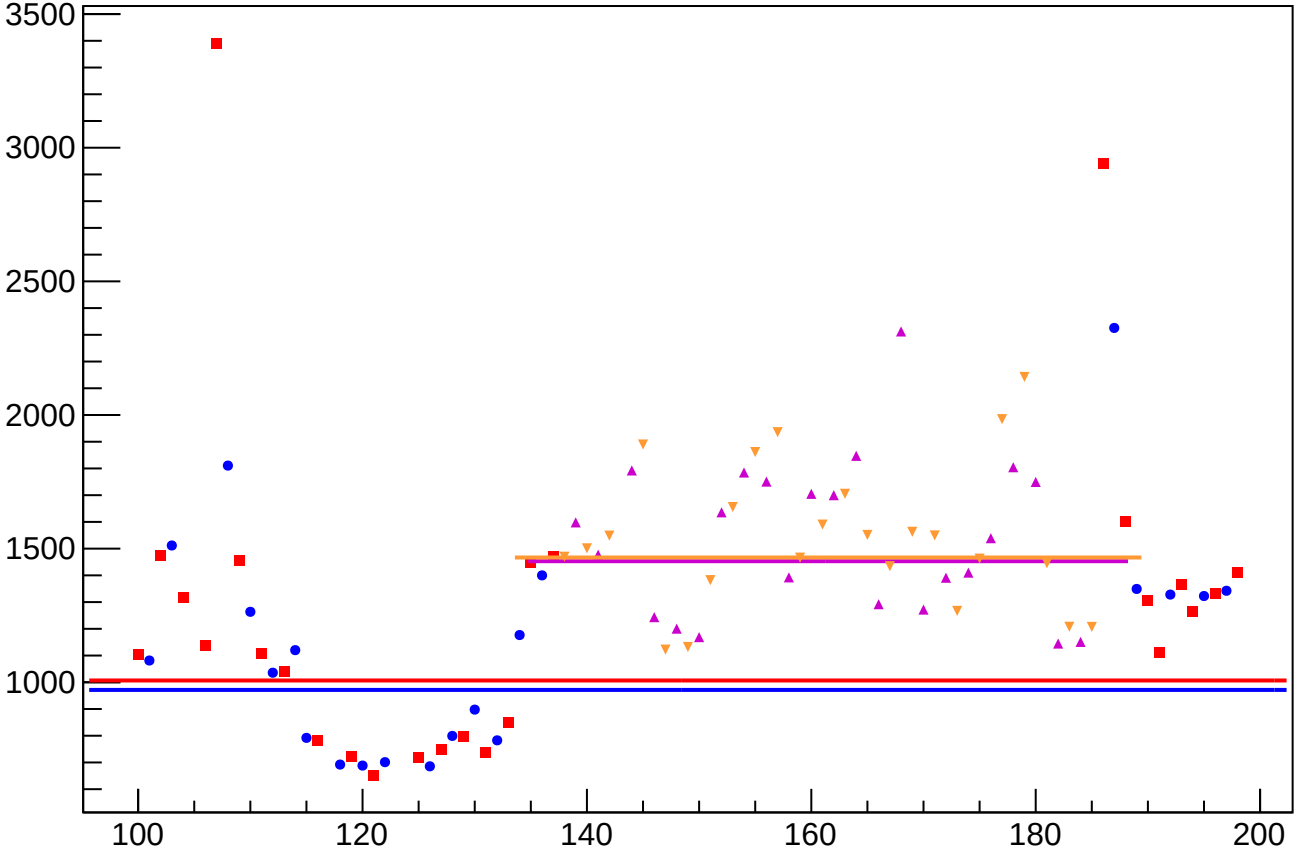
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -530.925+/-232.615 χ^2/NDF: 75.3/44

All: -331.900+/-162.482 χ^2/NDF: 125.6/93

- sign -142.277+/-227.054 χ^2/NDF: 48.9/48

asym_usl_reg_correction_rms vs Slug



Right In: 971.373+/-0.221 χ^2/NDF: 1840271.1/20

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

Right Out: 1006.710+/-0.213 χ^2/NDF: 2621252.0/25

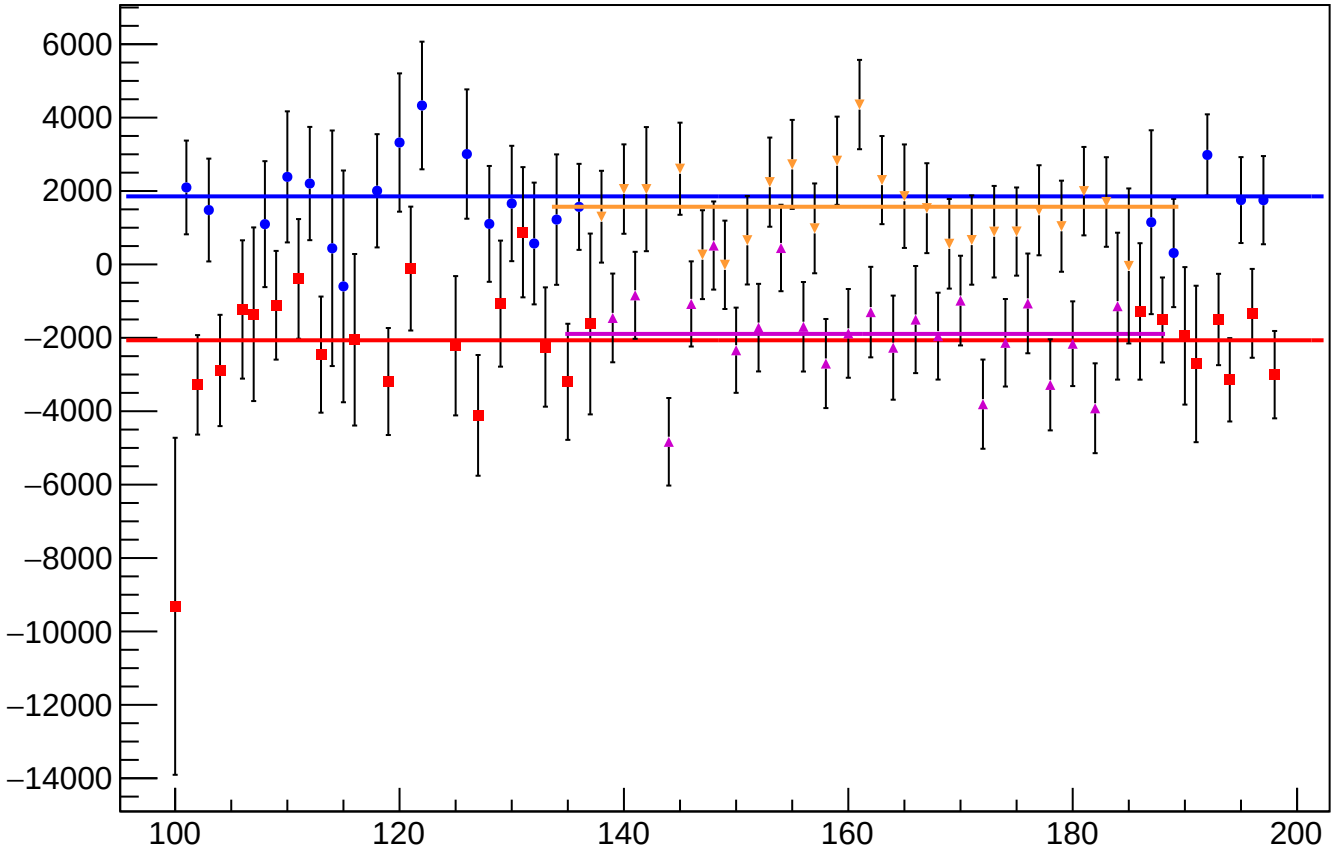
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1193.586+/-0.164 χ^2/NDF: 5127972.6/44

All: 1196.323+/-0.115 χ^2/NDF: 10773833.9/9

- sign 1198.931+/-0.161 χ^2/NDF: 5645320.6/48

cor_asym_usl_mean vs Slug



Right In: 1853.832+/-336.719 χ^2/NDF: 7.6/20

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

Right Out: -2067.045+/-311.288 χ^2/NDF: 15.1/25

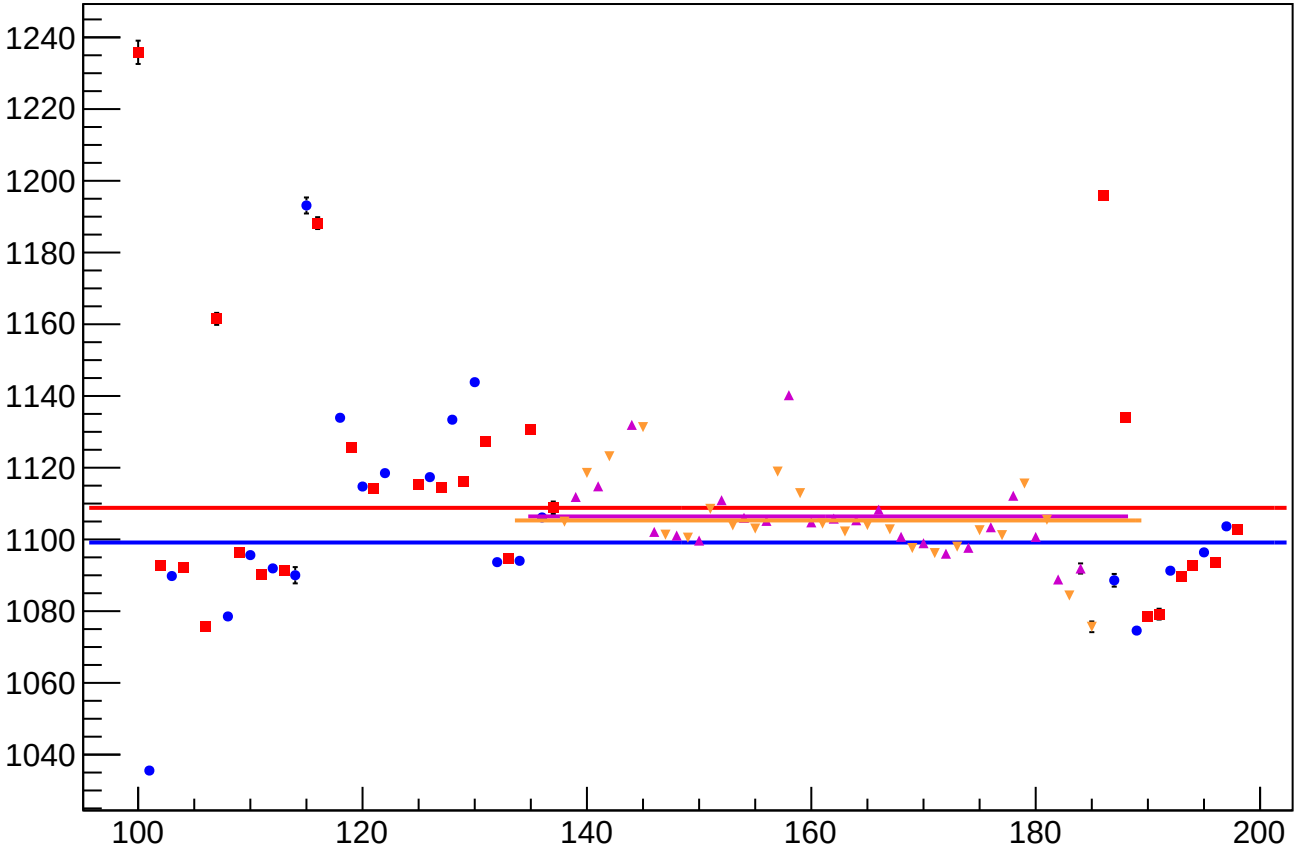
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1674.910+/-204.060 χ^2/NDF: 23.4/44

All: -192.181+/-142.395 χ^2/NDF: 226.0/93

- sign -1964.188+/-198.796 χ^2/NDF: 39.4/48

cor_asym_usl_rms vs Slug



Right In: 1099.142+/-0.238 χ^2/NDF: 12190.6/20

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

Right Out: 1108.806+/-0.220 χ^2/NDF: 15240.3/25

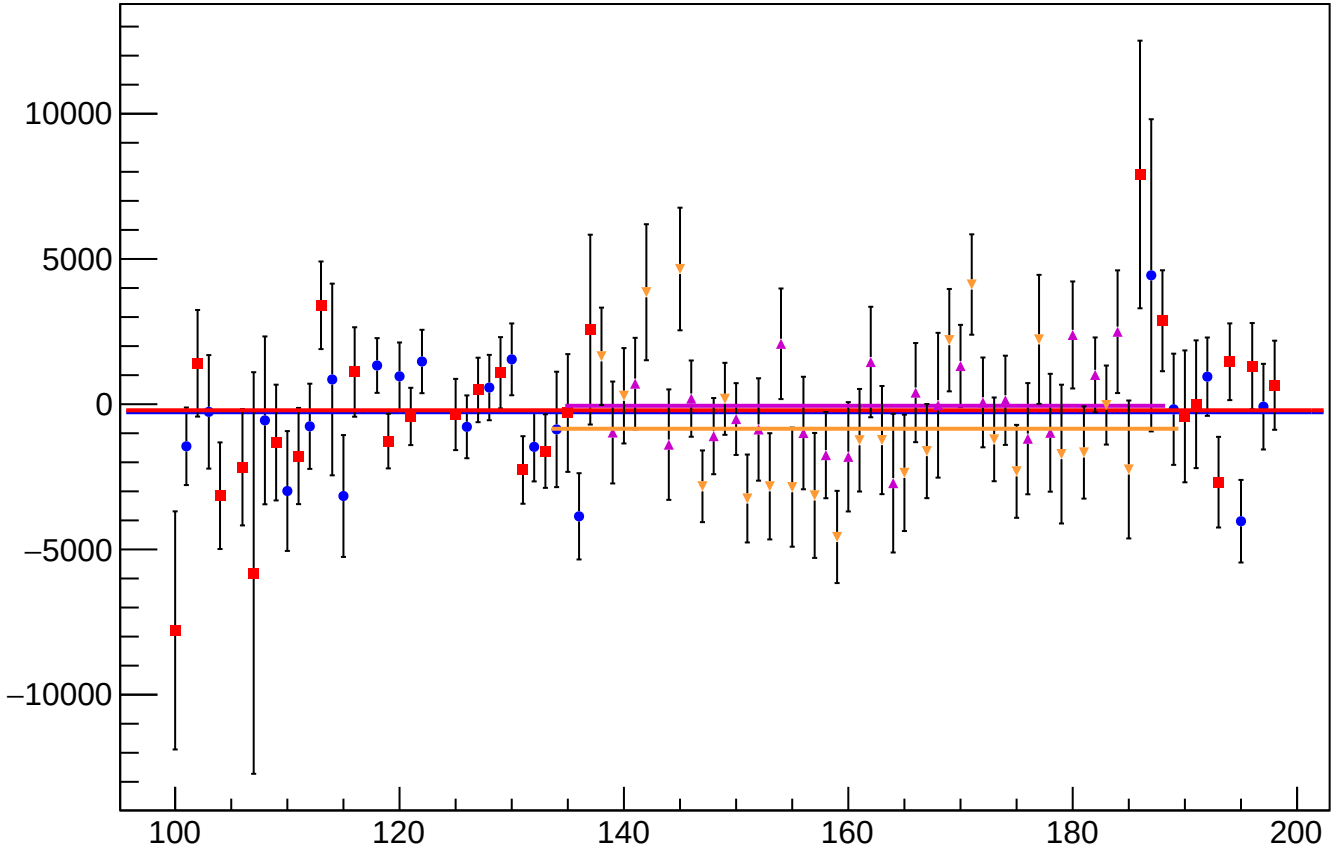
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1103.035+/-0.144 χ^2/NDF: 15774.8/44

All: 1105.266+/-0.101 χ^2/NDF: 35328.2/93

- sign 1107.384+/-0.141 χ^2/NDF: 19087.1/48

asym_usl_cor_correction_mean vs Slug



Right In: -275.806+/-313.228 χ^2/NDF: 29.7/20

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

Right Out: -208.805+/-300.932 χ^2/NDF: 35.7/25

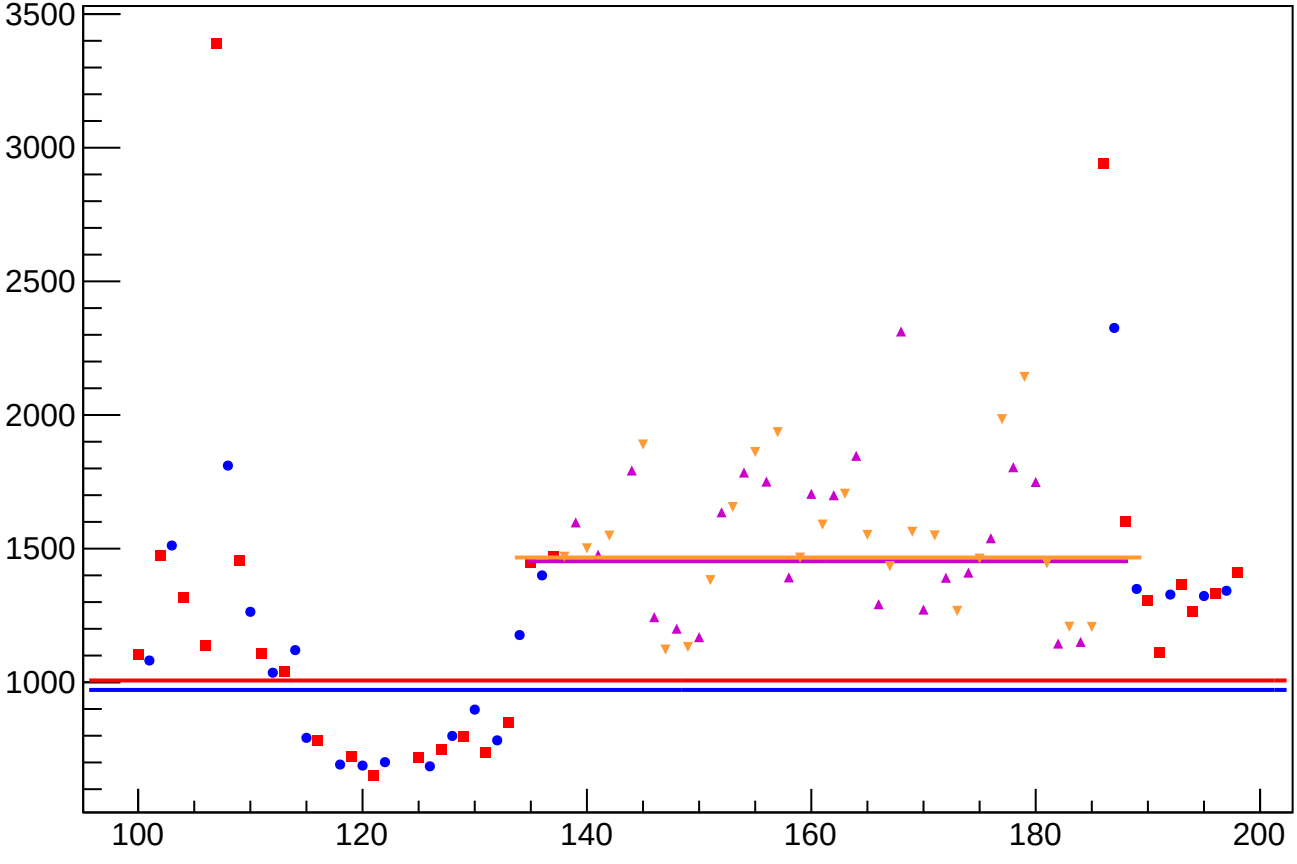
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -530.925+/-232.615 χ^2/NDF: 75.3/44

All: -331.899+/-162.482 χ^2/NDF: 125.6/93

- sign -142.276+/-227.054 χ^2/NDF: 48.9/48

asym_usl_cor_correction_rms vs Slug



Right In: 971.373+/-0.221 χ^2/NDF: 1840271.1/20

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

Right Out: 1006.710+/-0.213 χ^2/NDF: 2621251.0/25

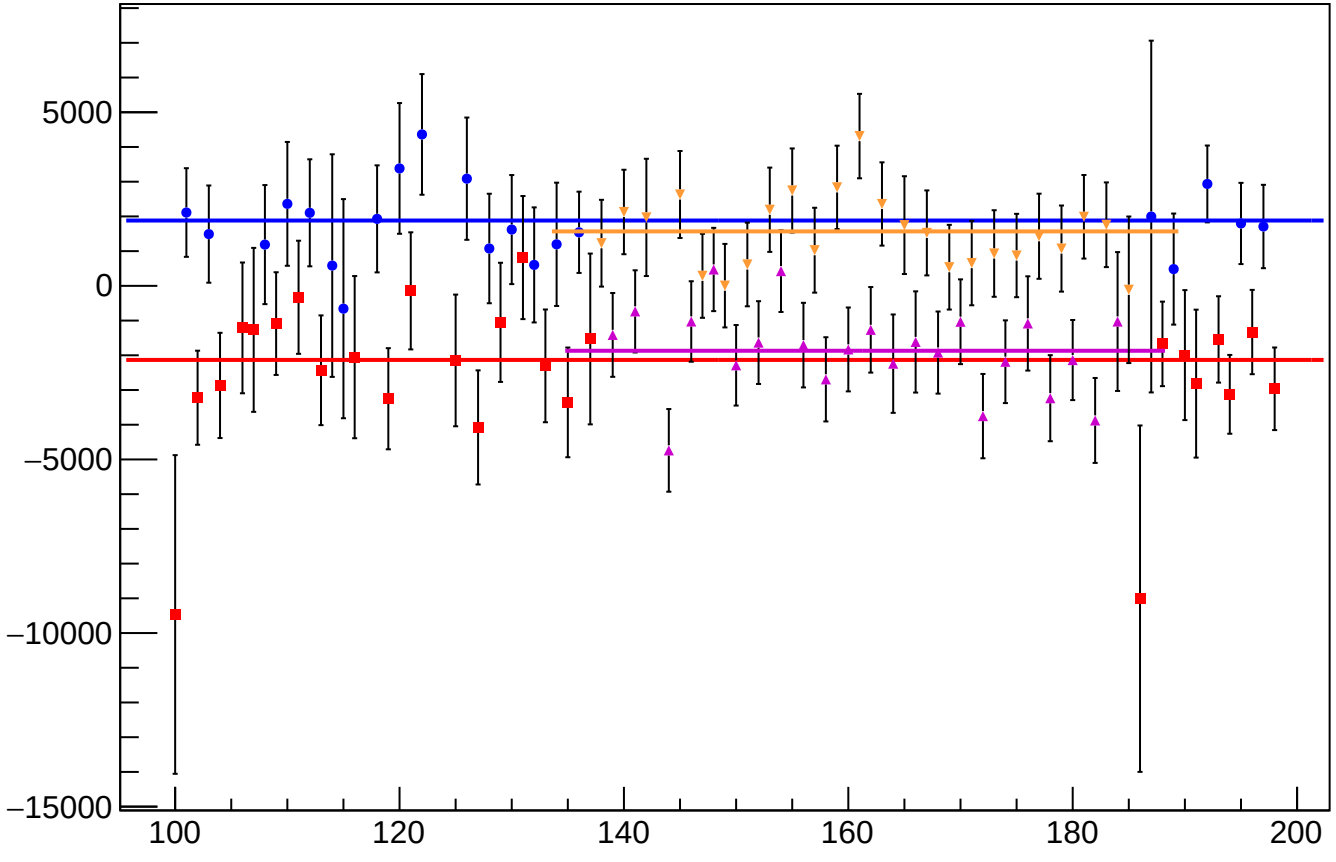
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1193.586+/-0.164 χ^2/NDF: 5127972.6/44

All: 1196.323+/-0.115 χ^2/NDF: 10773834.9/9

- sign 1198.931+/-0.161 χ^2/NDF: 5645321.5/48

overload_cor_asym_usl_mean vs Slug



Right In: 1881.610+/-340.131 χ^2/NDF: 7.1/20

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

Right Out: -2133.305+/-316.075 χ^2/NDF: 16.9/25

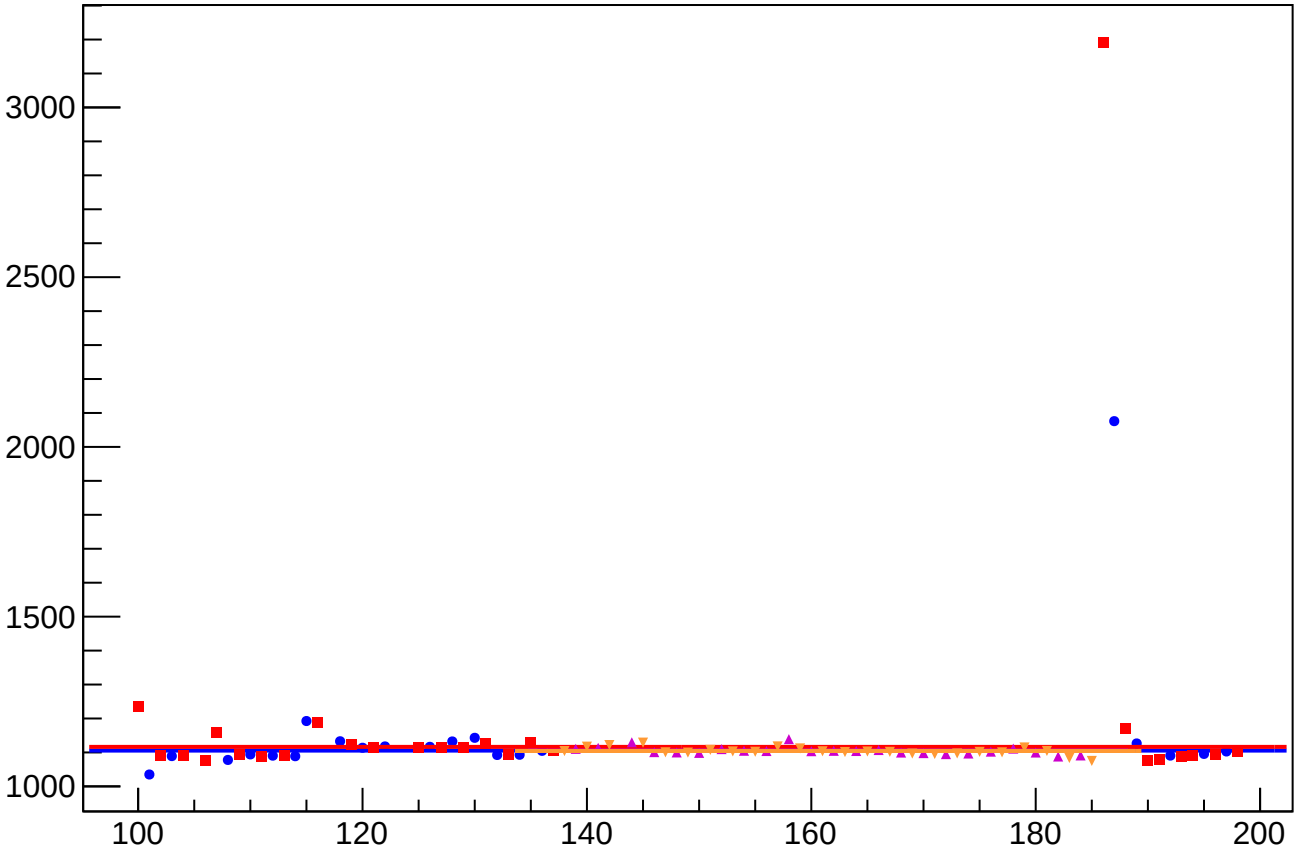
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1682.078+/-204.689 χ^2/NDF: 23.1/44

All: -189.577+/-143.019 χ^2/NDF: 227.1/93

- sign -1974.940+/-199.915 χ^2/NDF: 40.7/48

overload_cor_asym_usl_rms vs Slug



Right In: 1105.440+/-0.241 χ^2/NDF: 85768.5/20

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

Right Out: 1116.367+/-0.223 χ^2/NDF: 362275.8/25

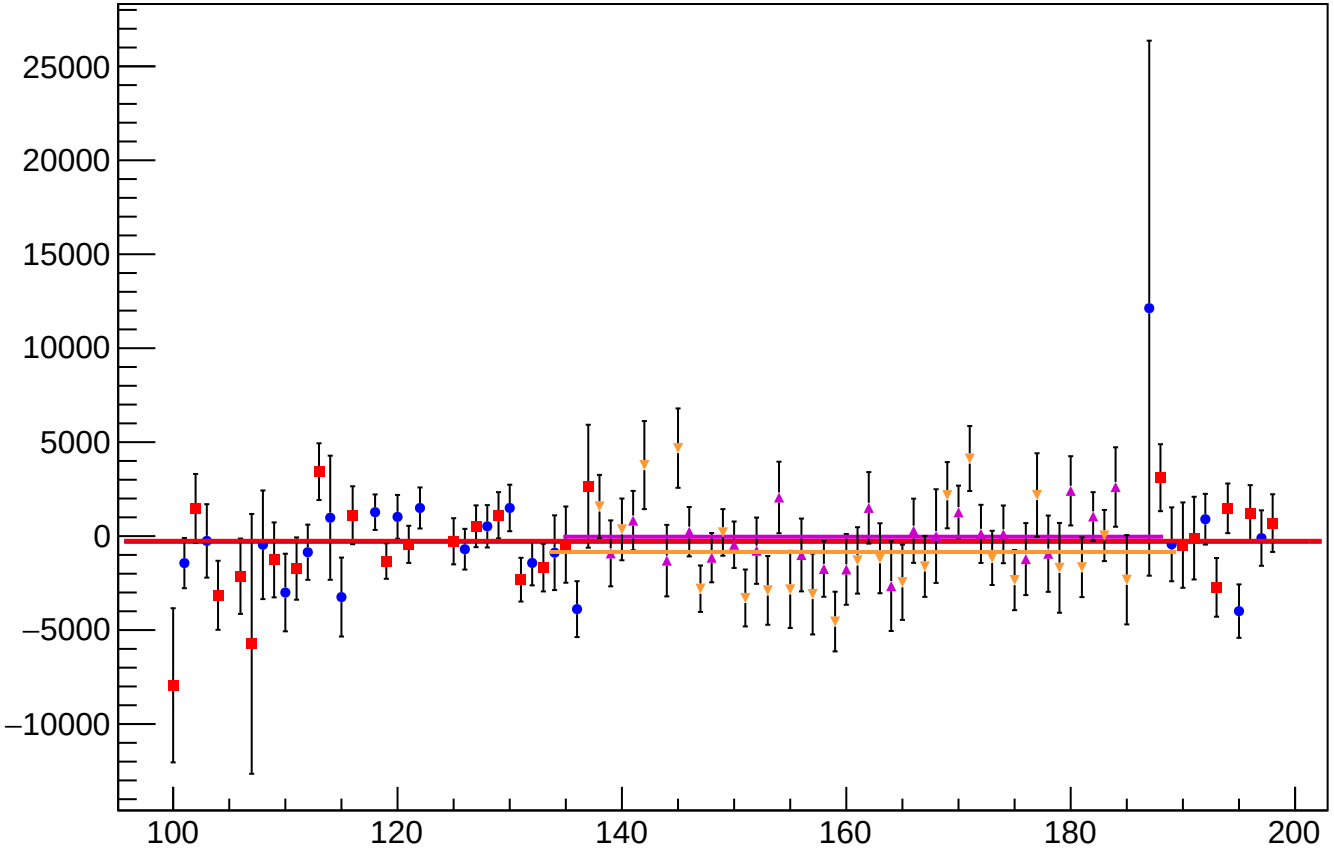
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1104.686+/-0.145 χ^2/NDF: 88783.2/44

All: 1107.291+/-0.101 χ^2/NDF: 456802.6/93

- sign 1109.776+/-0.141 χ^2/NDF: 367386.6/48

asym_usl_overload_cor_correction_mean vs Slug



Right In: -297.132+/-314.332 χ^2/NDF: 29.4/20

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

Right Out: -249.299+/-302.211 χ^2/NDF: 33.6/24

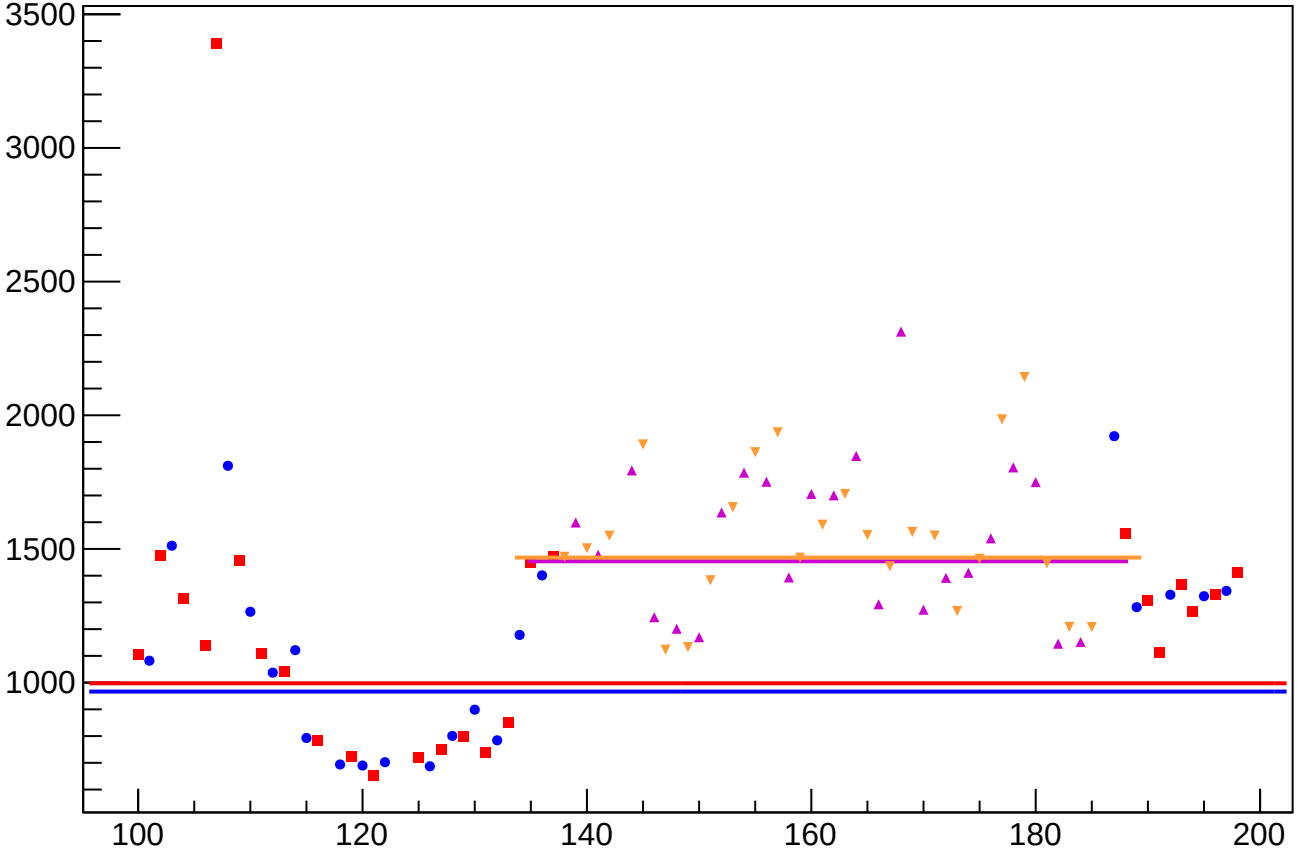
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

\+ sign -542.875+/-233.124 χ^2/NDF: 74.8/44

All: -344.359+/-162.876 χ^2/NDF: 123.1/92

\- sign -155.045+/-227.657 χ^2/NDF: 46.9/47

asym_usl_overload_cor_correction_rms vs Slug



Right In: 966.475+/-0.222 χ^2/NDF: 1686020.6/20

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

Right Out: 997.486+/-0.214 χ^2/NDF: 2212778.0/24

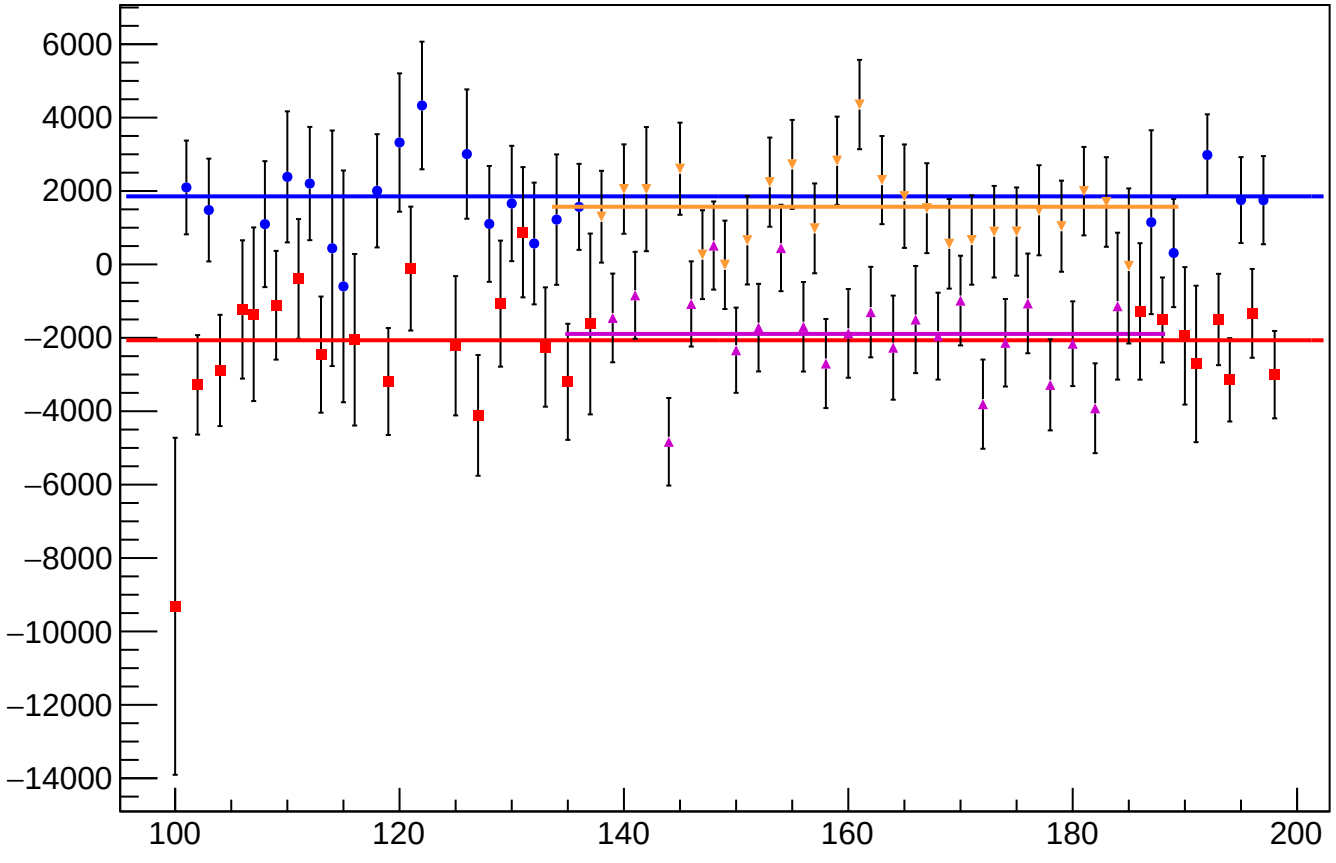
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1192.003+/-0.165 χ^2/NDF: 5016038.1/44

All: 1193.471+/-0.115 χ^2/NDF: 10329483.3/9

- sign 1194.872+/-0.161 χ^2/NDF: 5313290.1/47

eigen_cor_asym_usl_mean vs Slug



Right In: 1853.832+/-336.719 χ^2/NDF: 7.6/20

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

Right Out: -2067.045+/-311.288 χ^2/NDF: 15.1/25

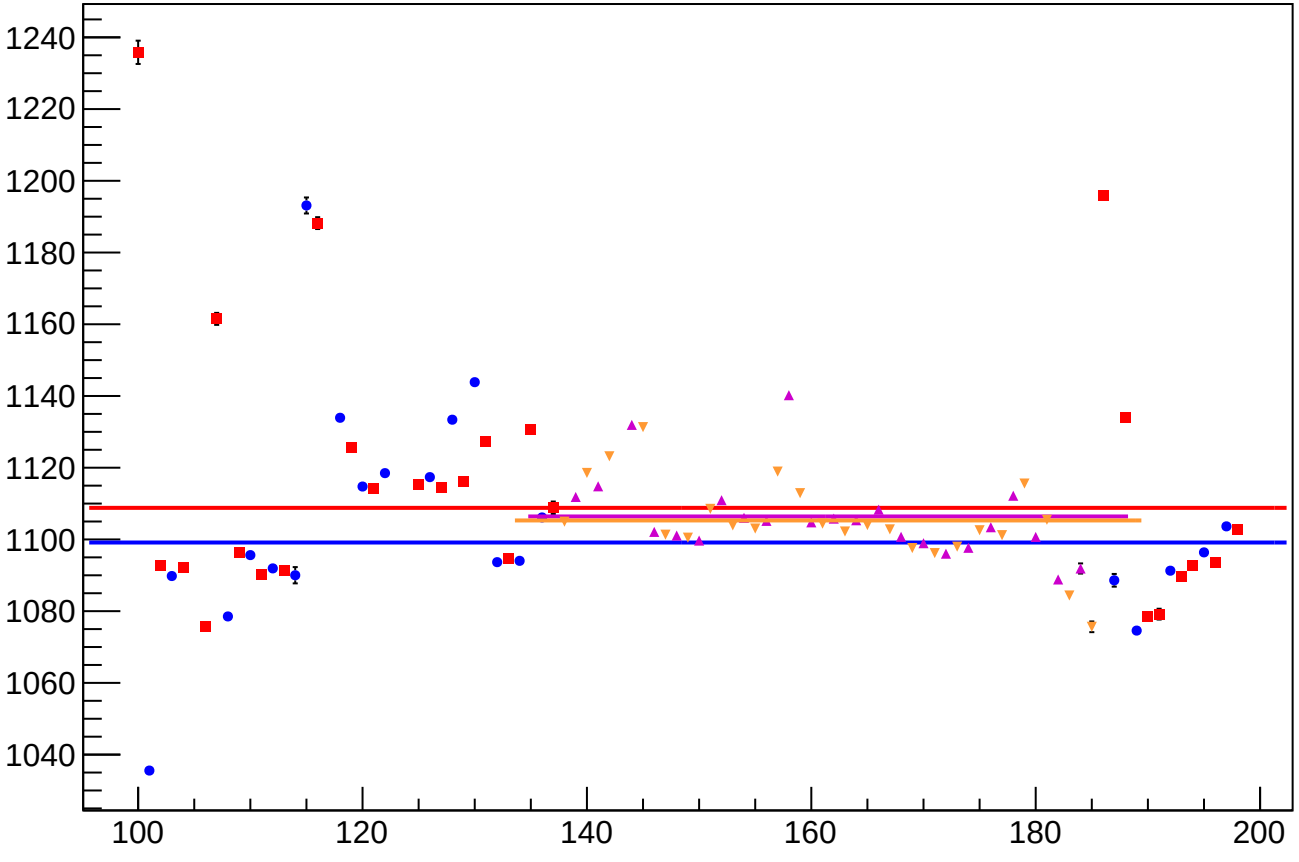
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1674.910+/-204.060 χ^2/NDF: 23.4/44

All: -192.181+/-142.395 χ^2/NDF: 226.0/93

- sign -1964.188+/-198.796 χ^2/NDF: 39.4/48

eigen_cor_asym_usl_rms vs Slug



Right In: 1099.142+/-0.238 χ^2/NDF: 12190.6/20

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

Right Out: 1108.806+/-0.220 χ^2/NDF: 15240.3/25

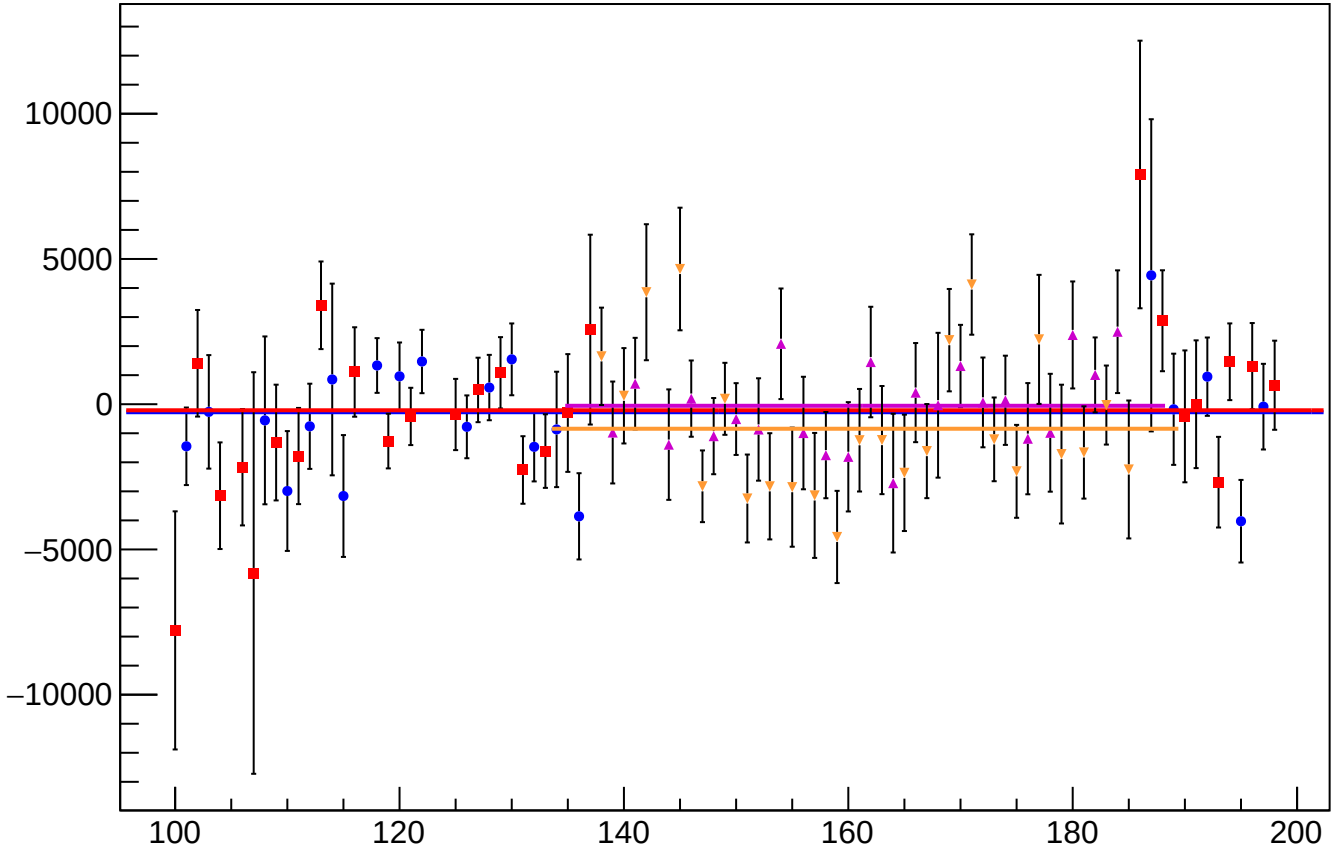
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1103.035+/-0.144 χ^2/NDF: 15774.8/44

All: 1105.266+/-0.101 χ^2/NDF: 35328.2/93

- sign 1107.384+/-0.141 χ^2/NDF: 19087.1/48

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -275.806+/-313.228 χ^2/NDF: 29.7/20

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

Right Out: -208.805+/-300.932 χ^2/NDF: 35.7/25

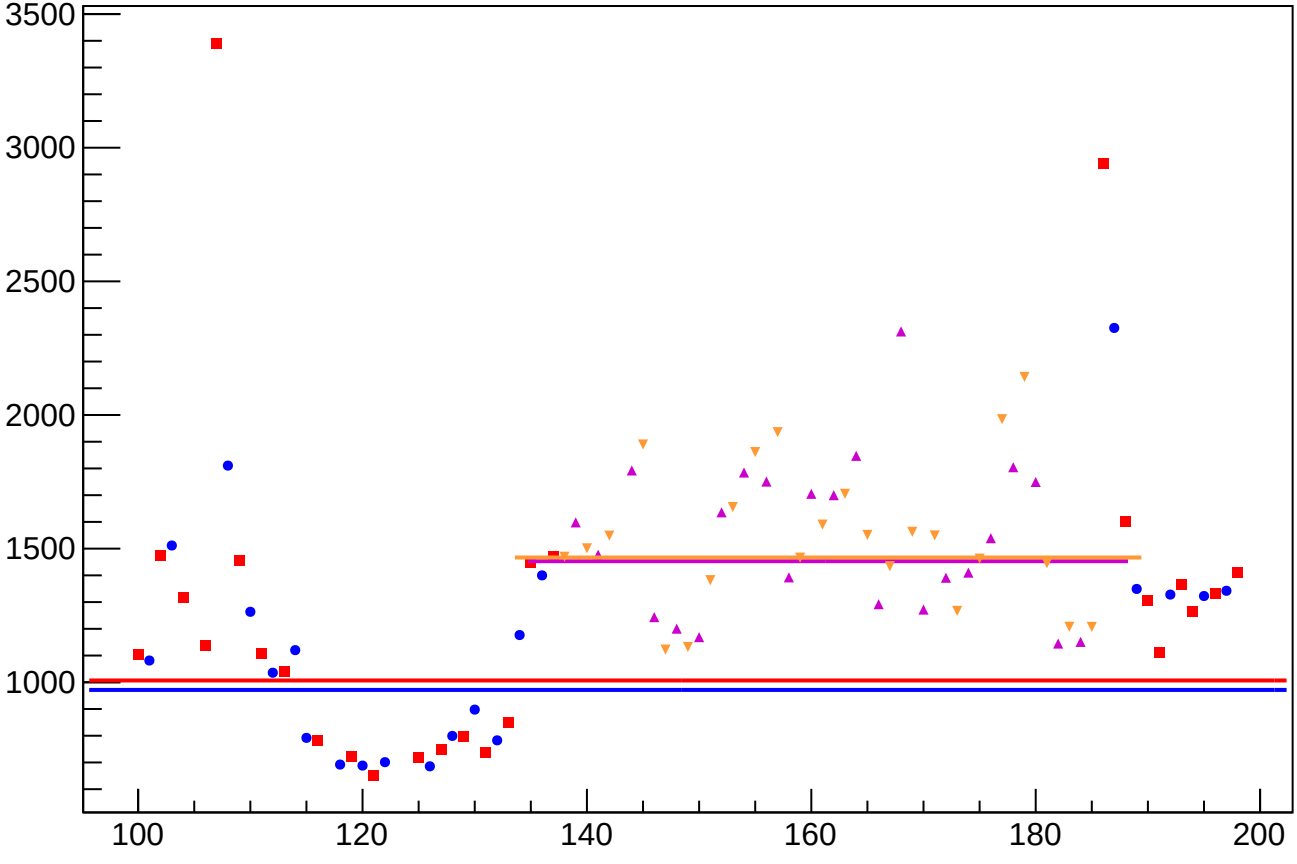
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -530.925+/-232.615 χ^2/NDF: 75.3/44

All: -331.899+/-162.482 χ^2/NDF: 125.6/93

- sign -142.276+/-227.054 χ^2/NDF: 48.9/48

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 971.373+/-0.221 χ^2/NDF: 1840271.1/20

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

Right Out: 1006.710+/-0.213 χ^2/NDF: 2621251.0/25

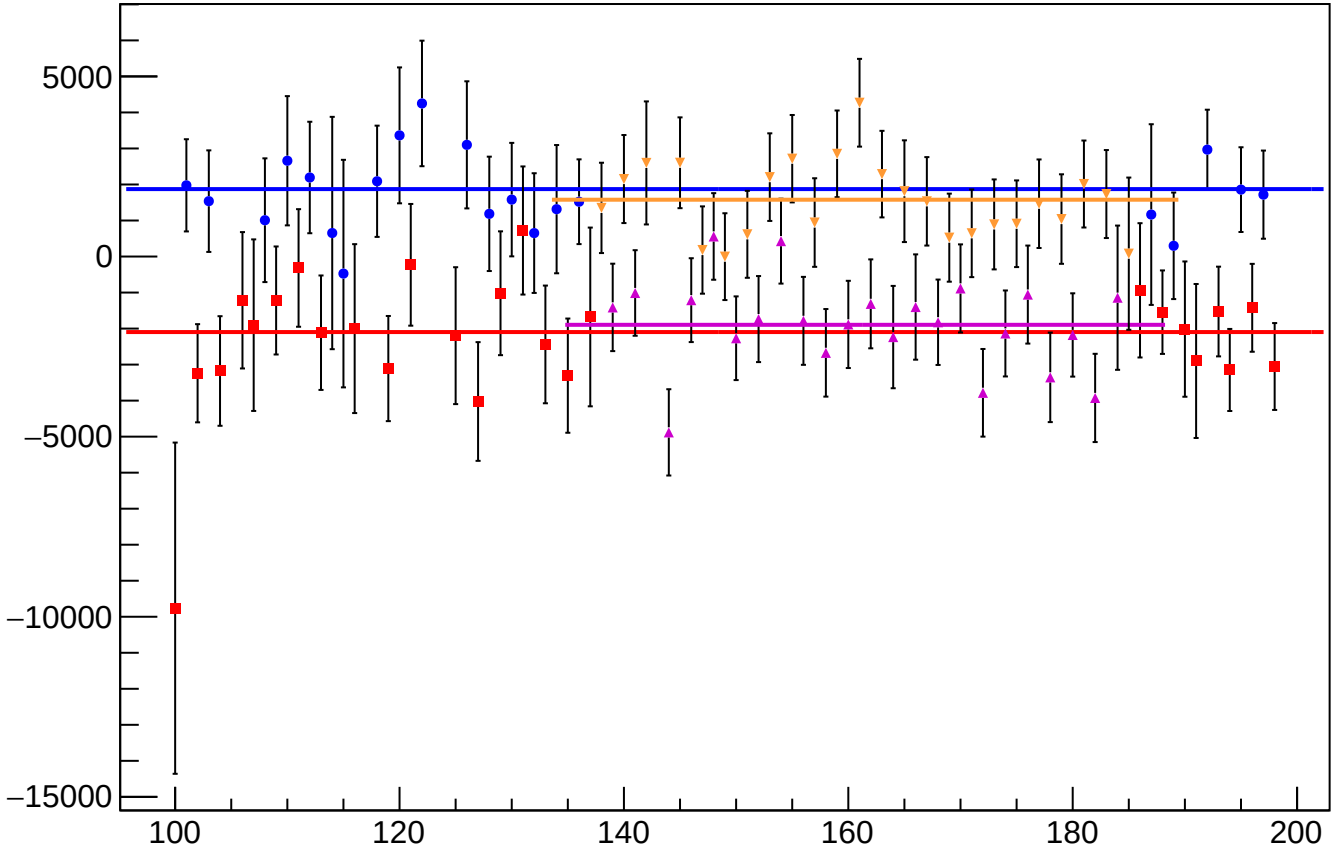
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1193.586+/-0.164 χ^2/NDF: 5127972.6/44

All: 1196.323+/-0.115 χ^2/NDF: 10773834.9/9

- sign 1198.931+/-0.161 χ^2/NDF: 5645321.5/48

dit_asym_usl_mean vs Slug



Right In: 1872.223+/-338.081 χ^2/NDF: 7.4/20

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

Right Out: -2096.532+/-312.553 χ^2/NDF: 15.1/25

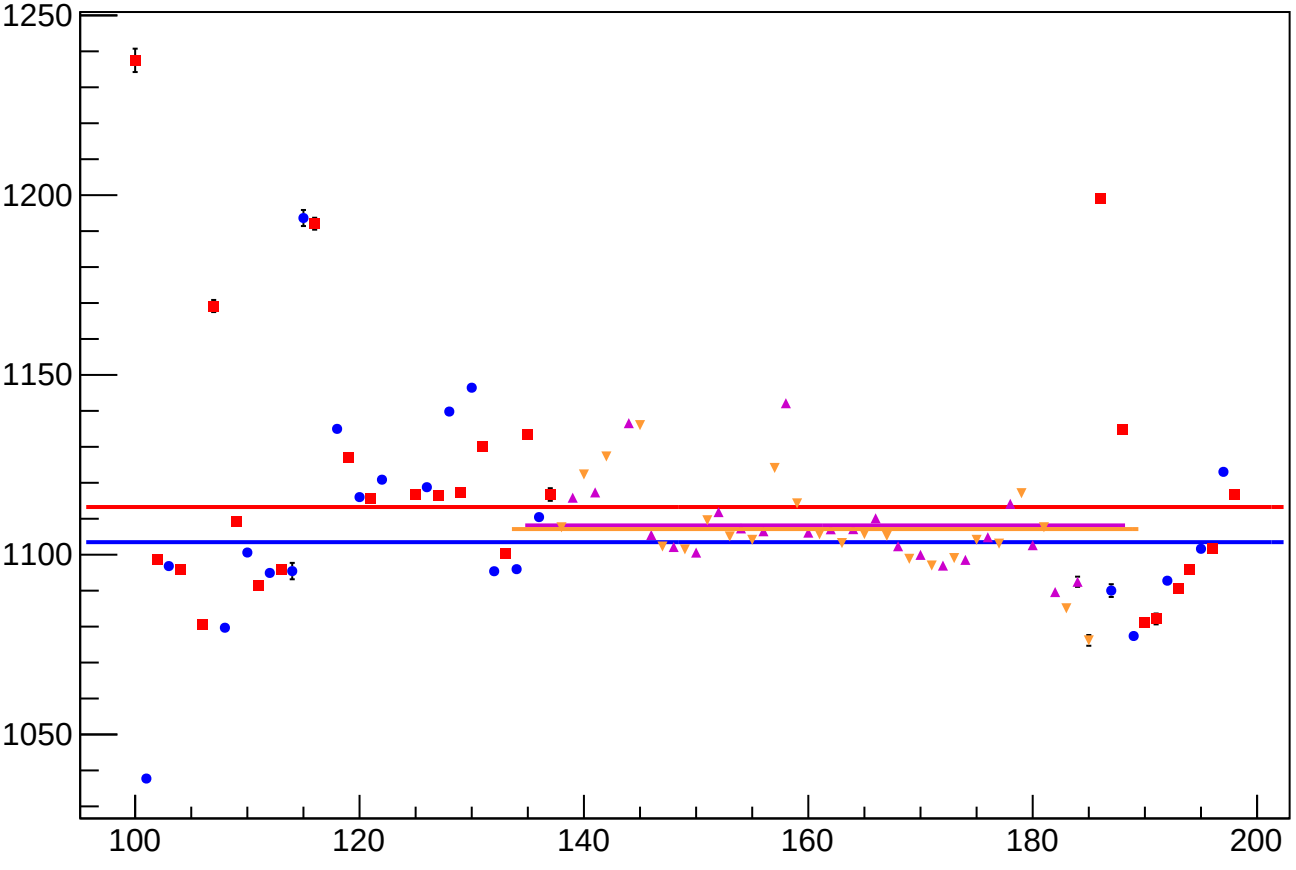
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1685.376+/-204.598 χ^2/NDF: 23.4/44

All: -193.870+/-142.767 χ^2/NDF: 227.3/93

- sign -1977.279+/-199.313 χ^2/NDF: 39.5/48

dit_asym_usl_rms vs Slug



Right In: 1103.488+/-0.239 χ^2/NDF: 12755.6/20

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

Right Out: 1113.260+/-0.221 χ^2/NDF: 14609.9/25

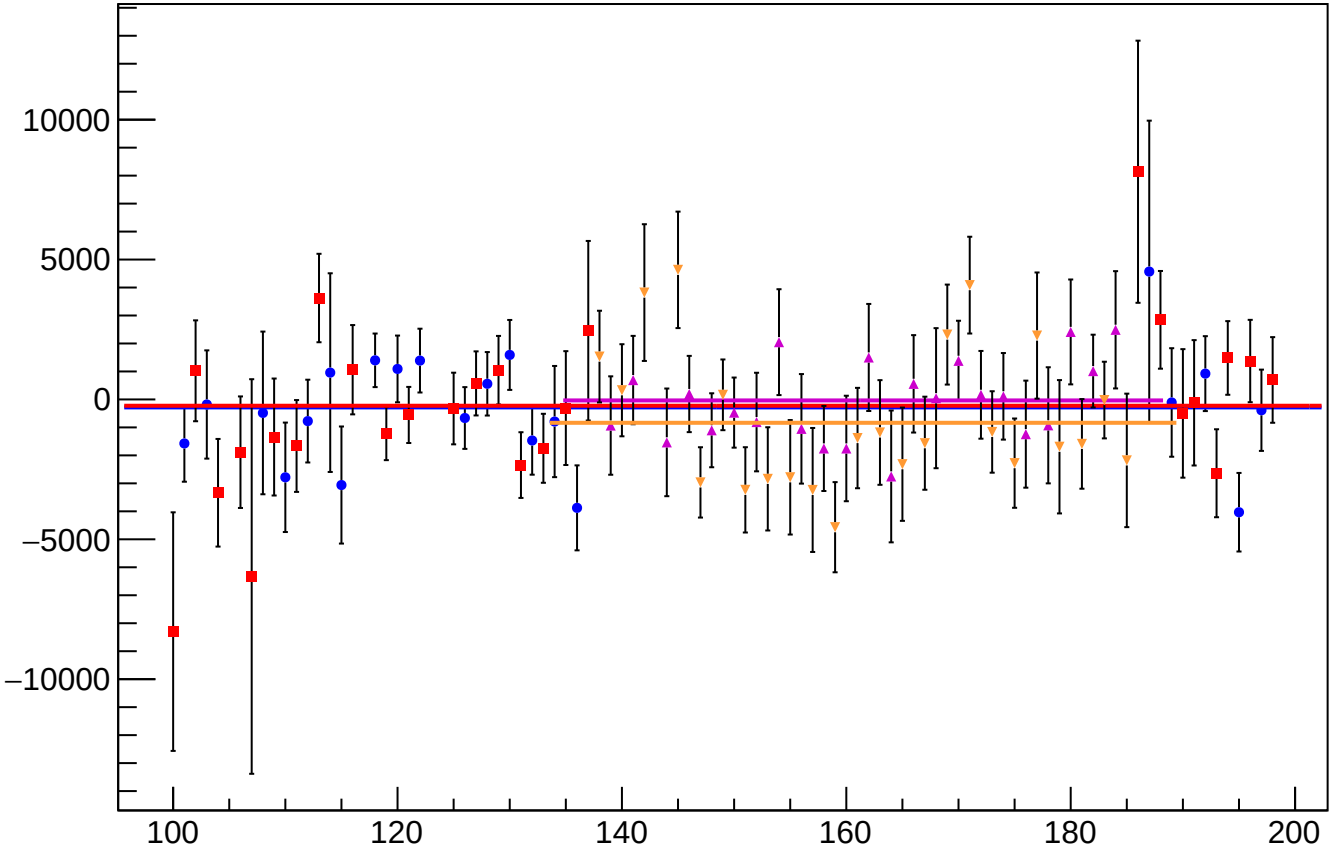
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.794+/-0.145 χ^2/NDF: 16686.2/44

All: 1108.068+/-0.101 χ^2/NDF: 36285.8/93

- sign 1110.225+/-0.141 χ^2/NDF: 19118.3/48

asym_usl_dit_correction_mean vs Slug



Right In: -284.957+/-317.165 χ^2/NDF: 29.4/20

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

Right Out: -225.551+/-304.625 χ^2/NDF: 35.9/25

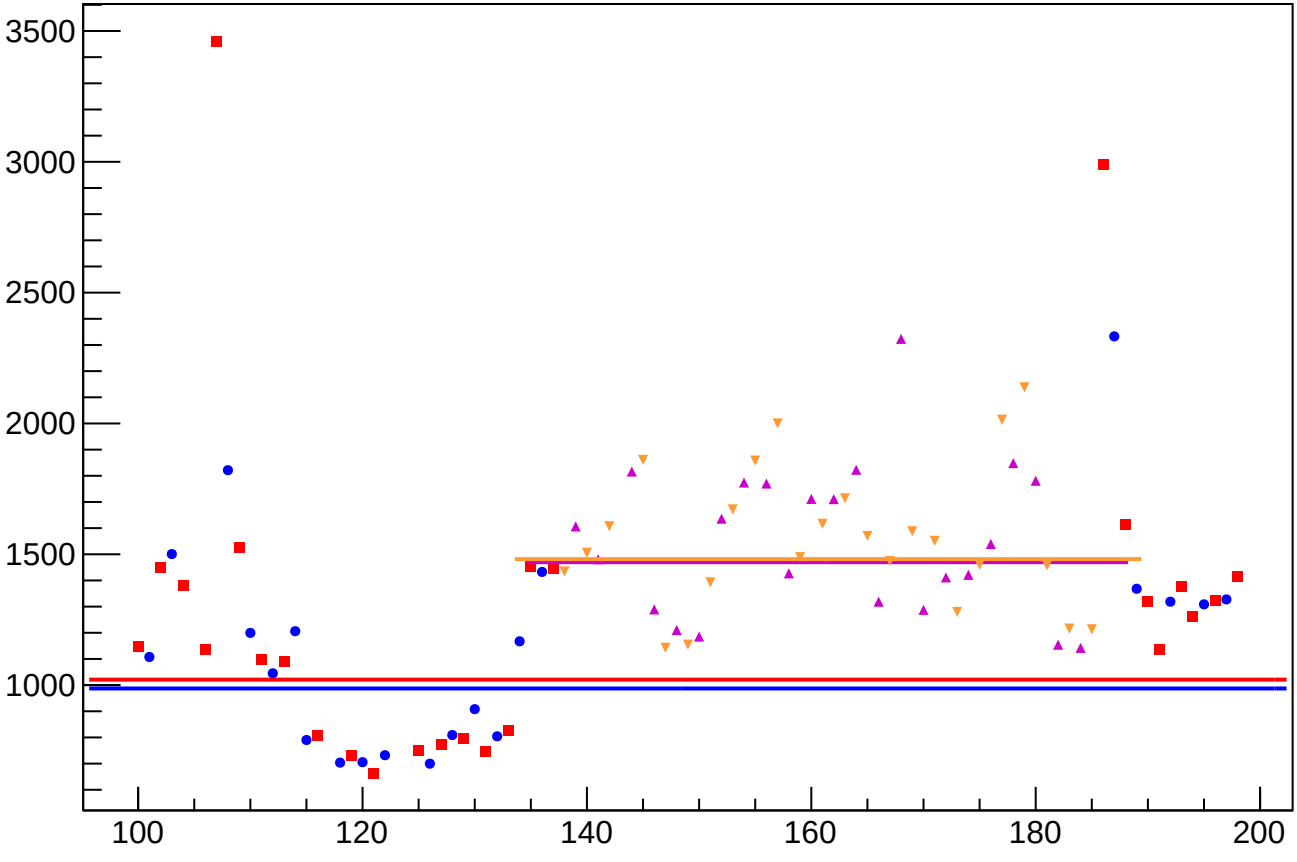
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -532.625+/-235.209 χ^2/NDF: 74.3/44

All: -333.457+/-164.328 χ^2/NDF: 124.8/93

- sign -143.546+/-229.678 χ^2/NDF: 49.2/48

asym_usl_dit_correction_rms vs Slug



Right In: 987.109+/-0.224 χ^2/NDF: 1724980.8/20

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

Right Out: 1020.949+/-0.215 χ^2/NDF: 2572276.2/25

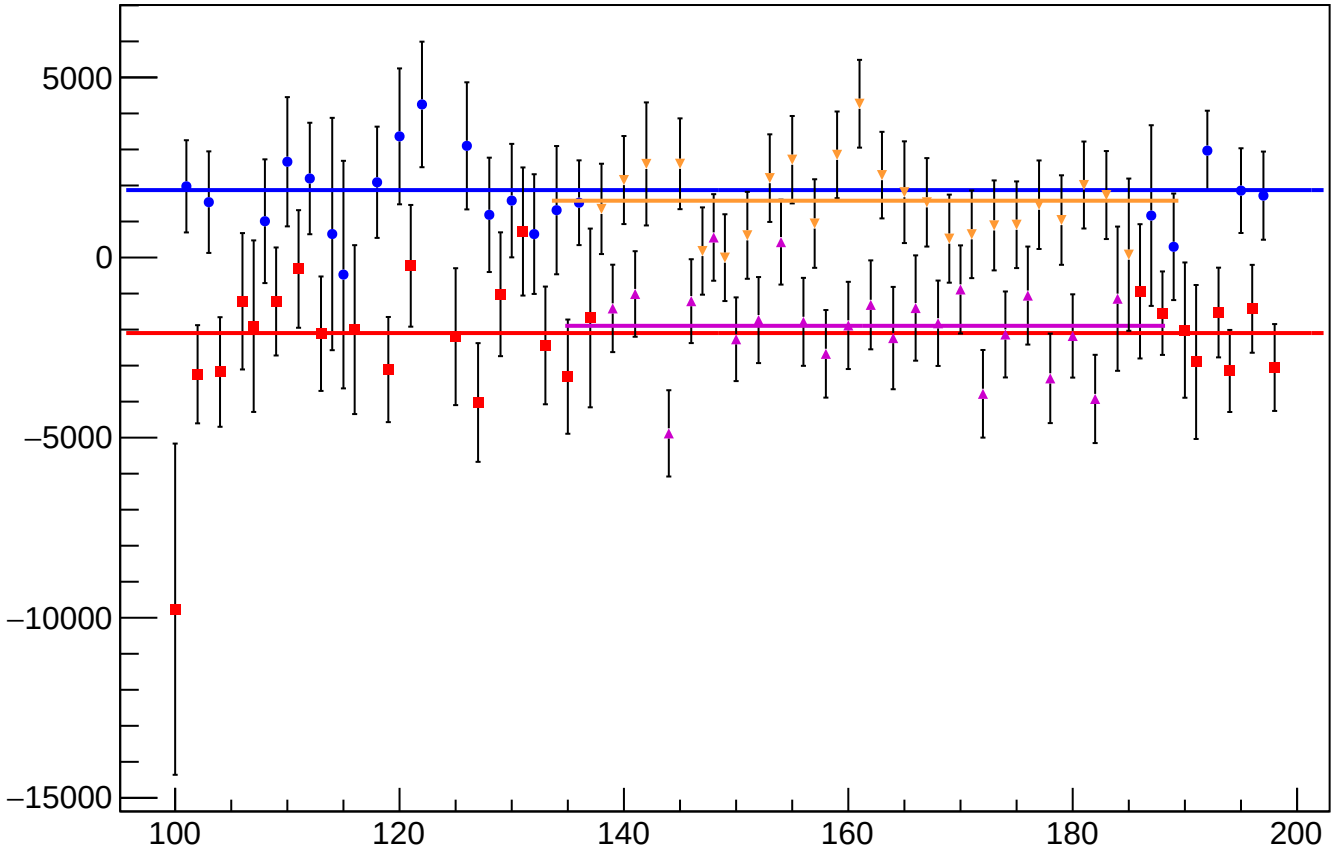
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1209.622+/-0.166 χ^2/NDF: 4929811.9/44

All: 1212.215+/-0.116 χ^2/NDF: 10472258.6/9

- sign 1214.687+/-0.162 χ^2/NDF: 5541971.9/48

eigen_dit_asym_usl_mean vs Slug



Right In: 1872.222+/-338.081 χ^2/NDF: 7.4/20

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

Right Out: -2096.530+/-312.553 χ^2/NDF: 15.1/25

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

+ sign 1685.374+/-204.598 χ^2/NDF: 23.4/44

All: -193.871+/-142.767 χ^2/NDF: 227.3/93

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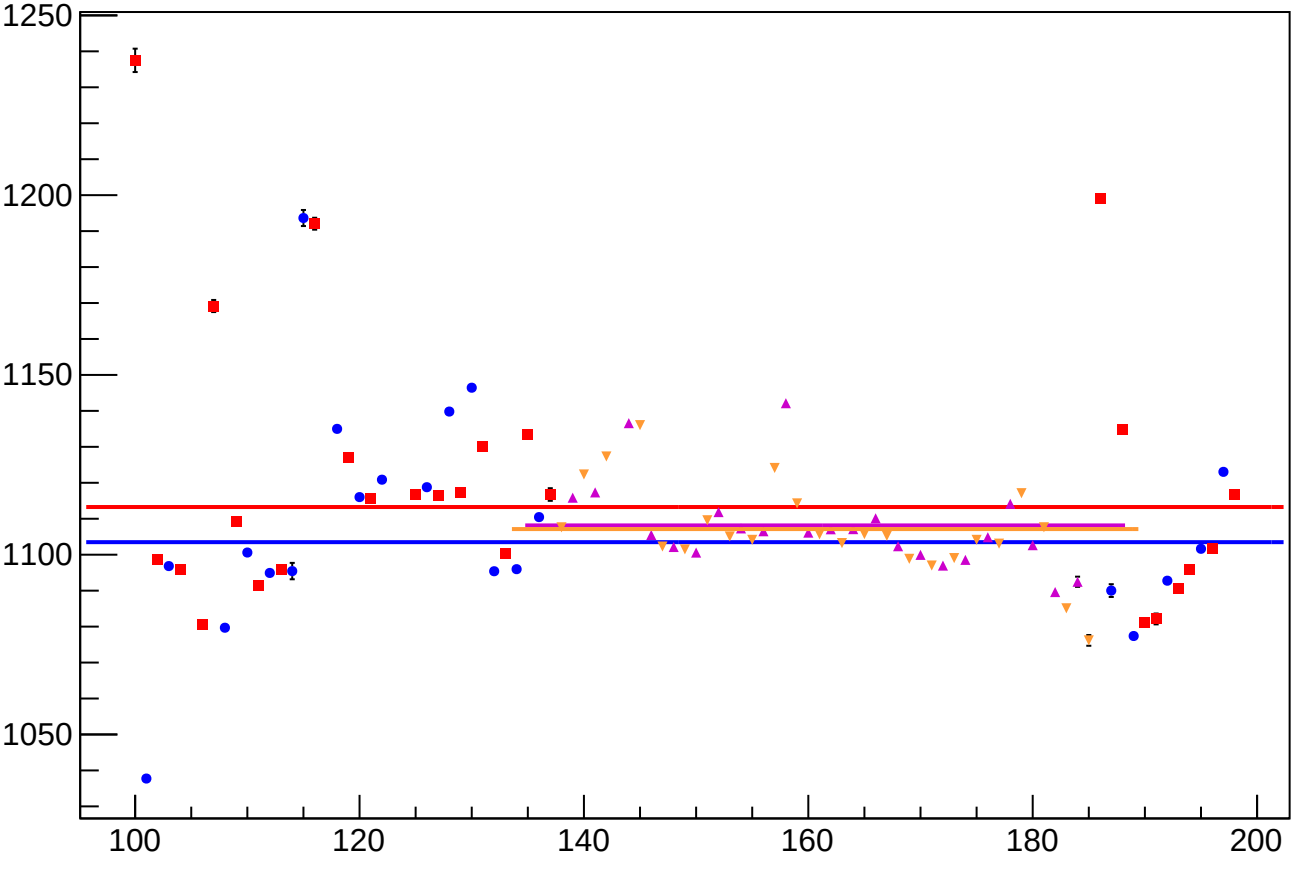
eigen_dit_asym_usl_rms vs Slug



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

Right Out: 1113.260+/-0.221 χ^2/NDF: 14609.9/25

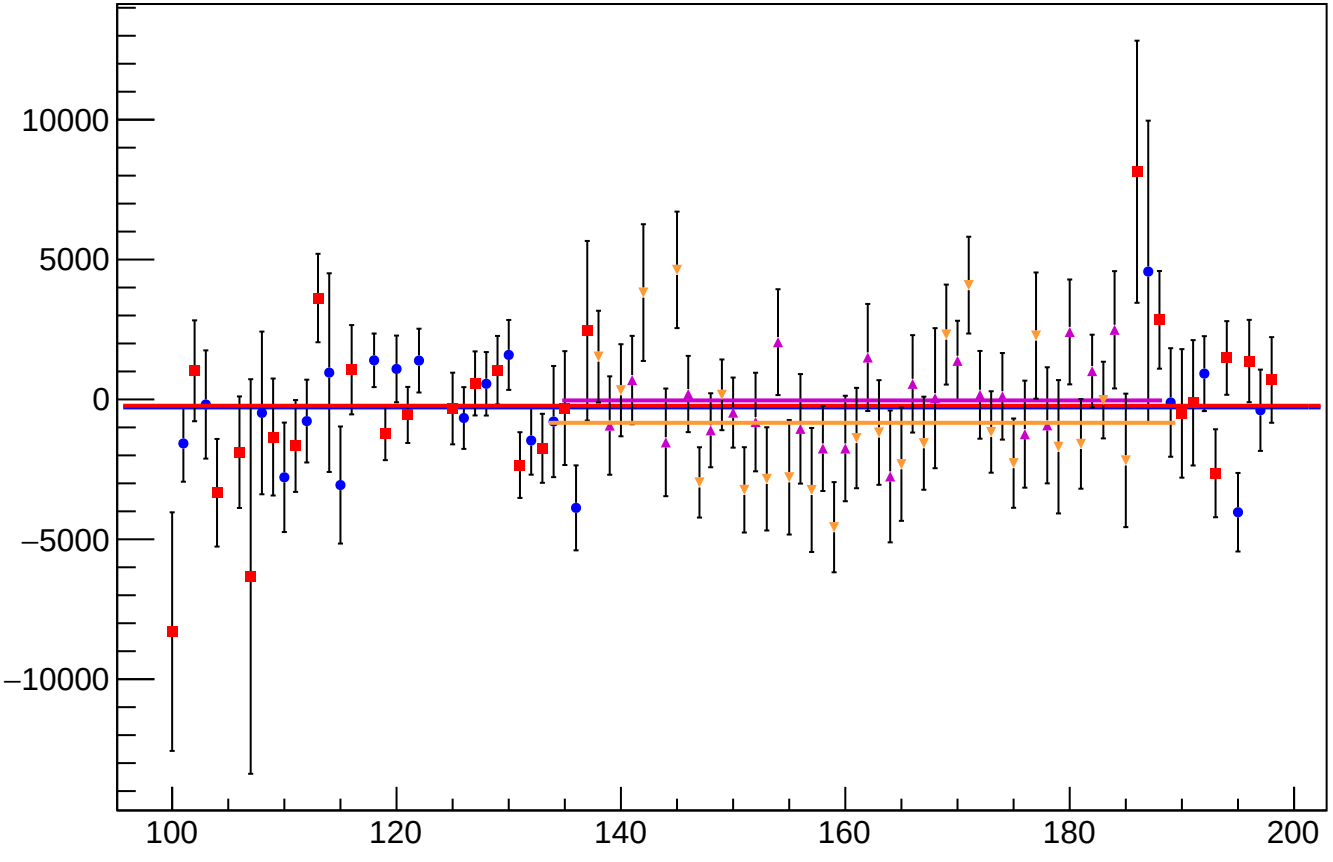
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.794+/-0.145 χ^2/NDF: 16686.2/44

All: 1108.068+/-0.101 χ^2/NDF: 36285.8/93

- sign 1110.225+/-0.141 χ^2/NDF: 19118.2/48

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -284.956+/-317.165 χ^2/NDF: 29.4/20

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

Right Out: -225.551+/-304.625 χ^2/NDF: 35.9/25

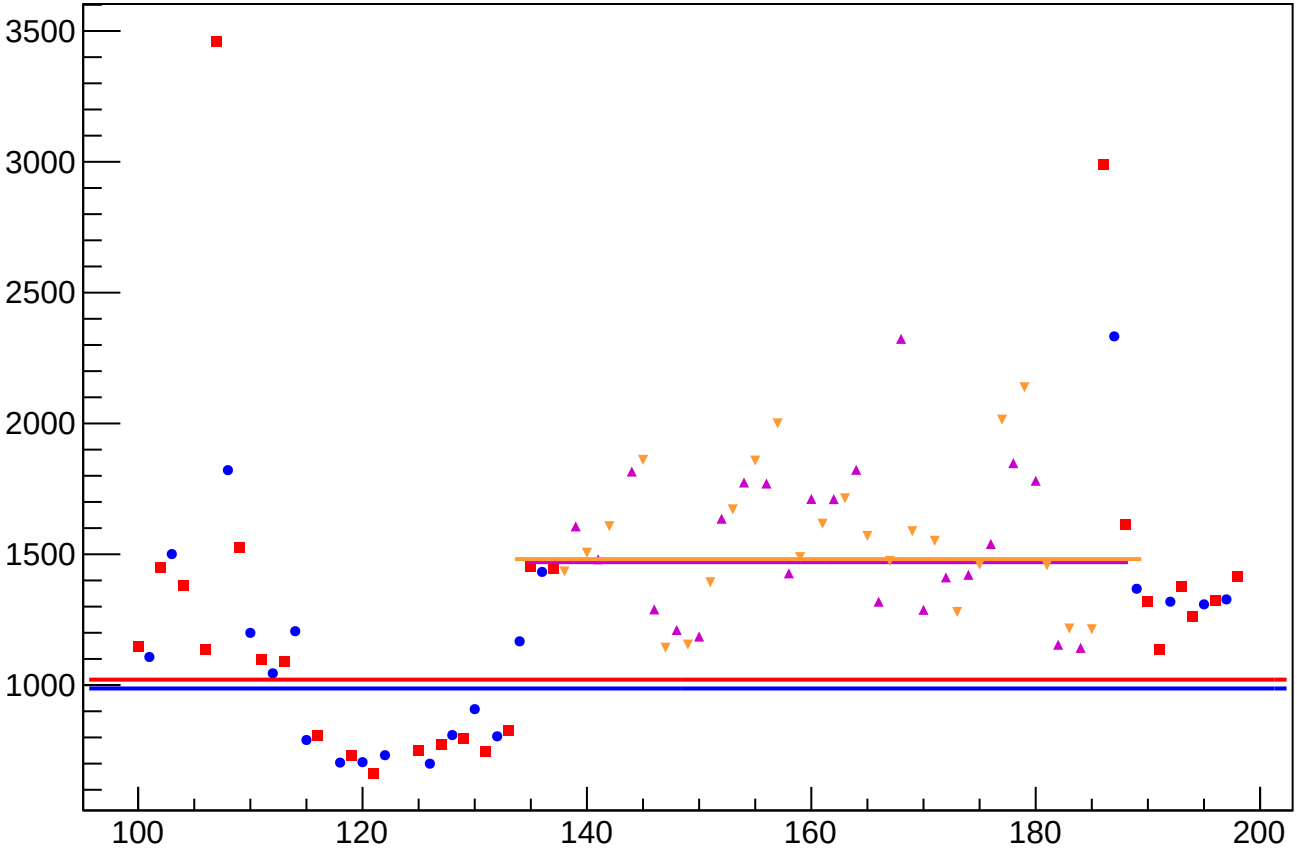
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -532.625+/-235.209 χ^2/NDF: 74.3/44

All: -333.458+/-164.328 χ^2/NDF: 124.8/93

- sign -143.546+/-229.678 χ^2/NDF: 49.2/48

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 987.107+/-0.224 χ^2/NDF: 1724991.1/20

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

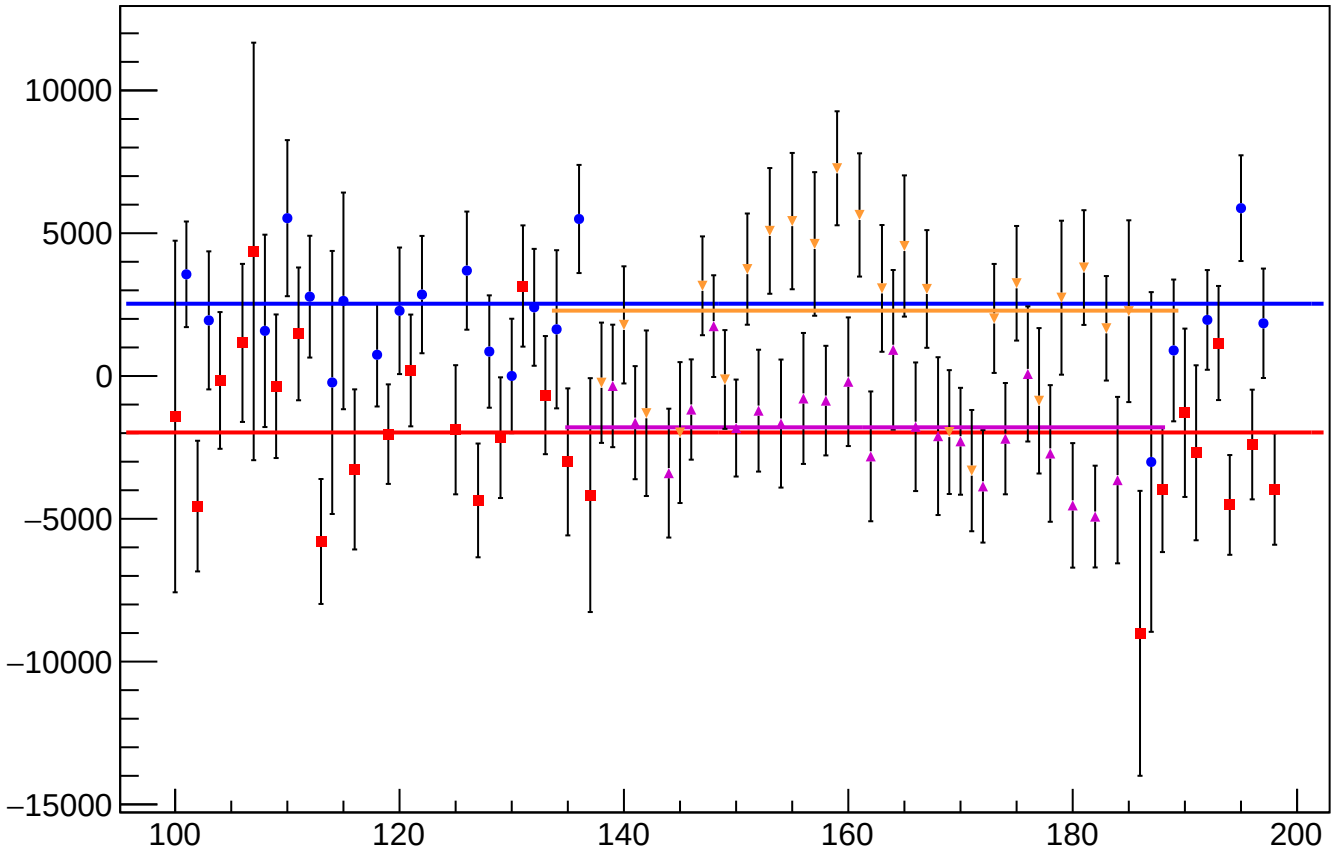
Right Out: 1020.947+/-0.215 χ^2/NDF: 2572288.8/25

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

+ sign 1209.621+/-0.166 χ^2/NDF: 4929849.2/44

All: 1212.214+/-0.116 χ^2/NDF: 10472334.8/9

- sign 1214.686+/-0.162 χ^2/NDF: 5542010.7/48



Right In: 2531.444+/-485.645 χ^2/NDF: 13.0/20

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

Right Out: -1976.673+/-459.662 χ^2/NDF: 27.7/25

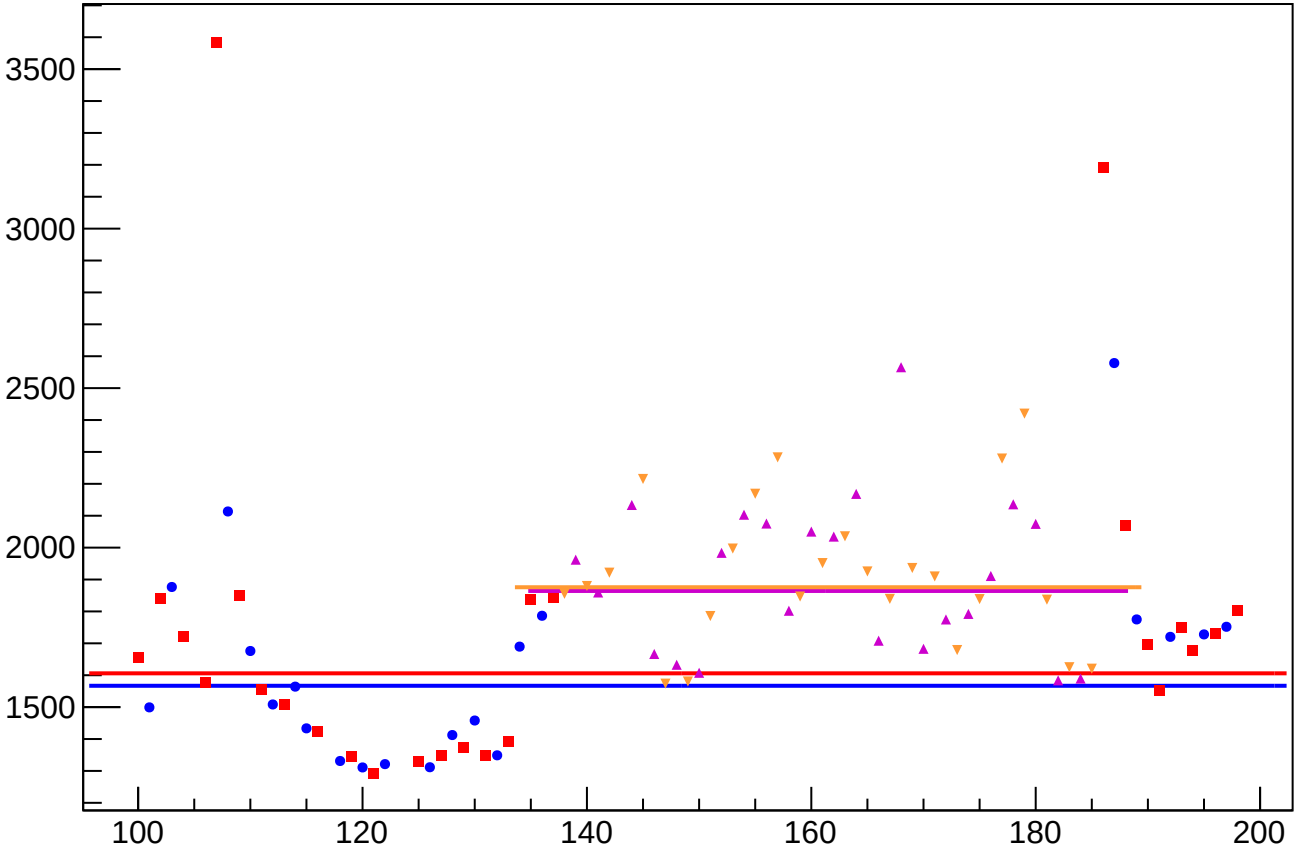
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2398.498+/-325.799 χ^2/NDF: 49.2/44

All: 203.025+/-227.394 χ^2/NDF: 179.8/93

- sign -1882.375+/-317.527 χ^2/NDF: 42.0/48

asym_usl_rms vs Slug



Right In: 1566.907+/-0.343 χ^2/NDF: 407858.1/20

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

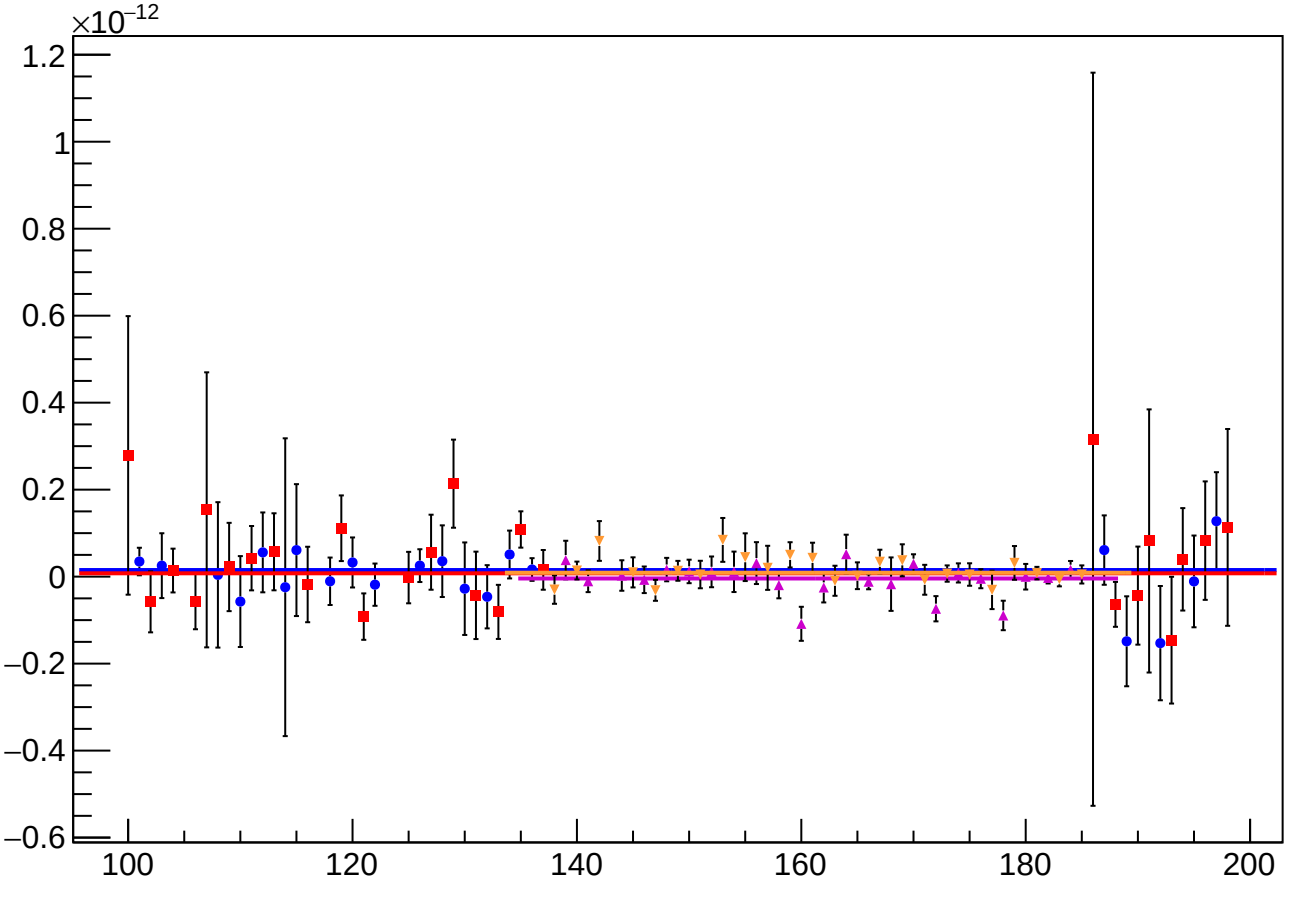
Right Out: 1605.942+/-0.325 χ^2/NDF: 800386.1/25

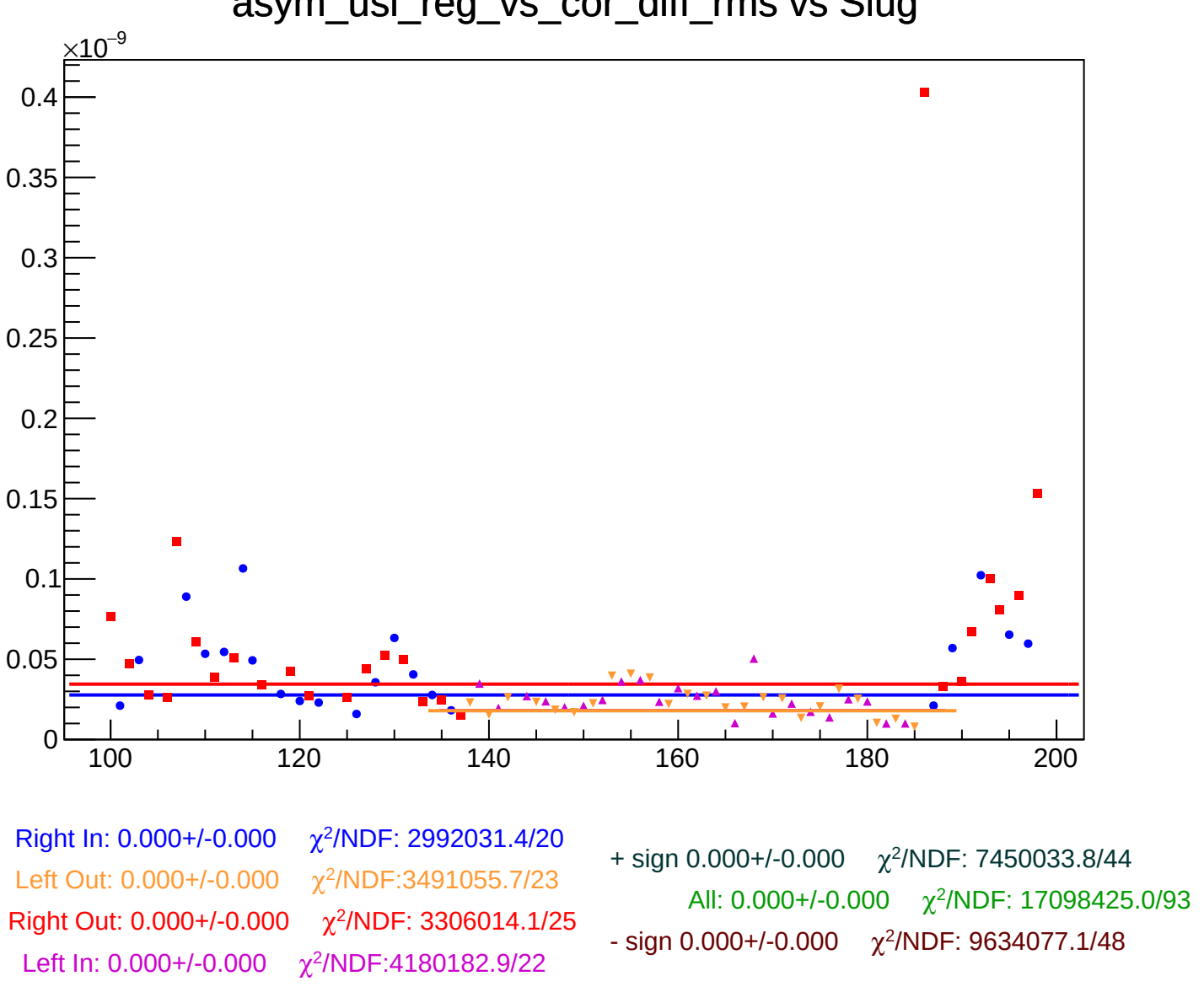
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

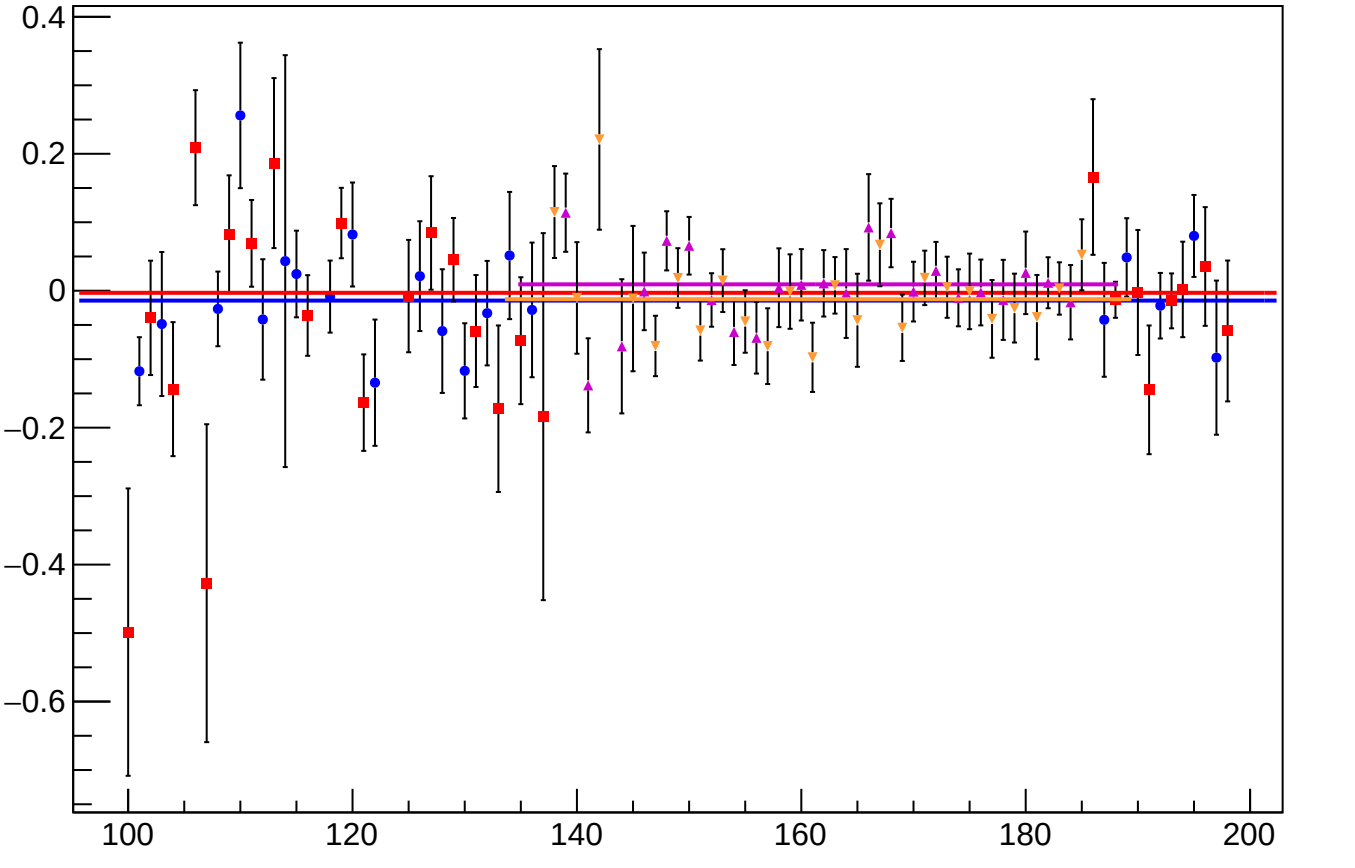
+ sign 1736.792+/-0.230 χ^2/NDF: 1325437.5/44

All: 1738.921+/-0.161 χ^2/NDF: 2966567.9/93

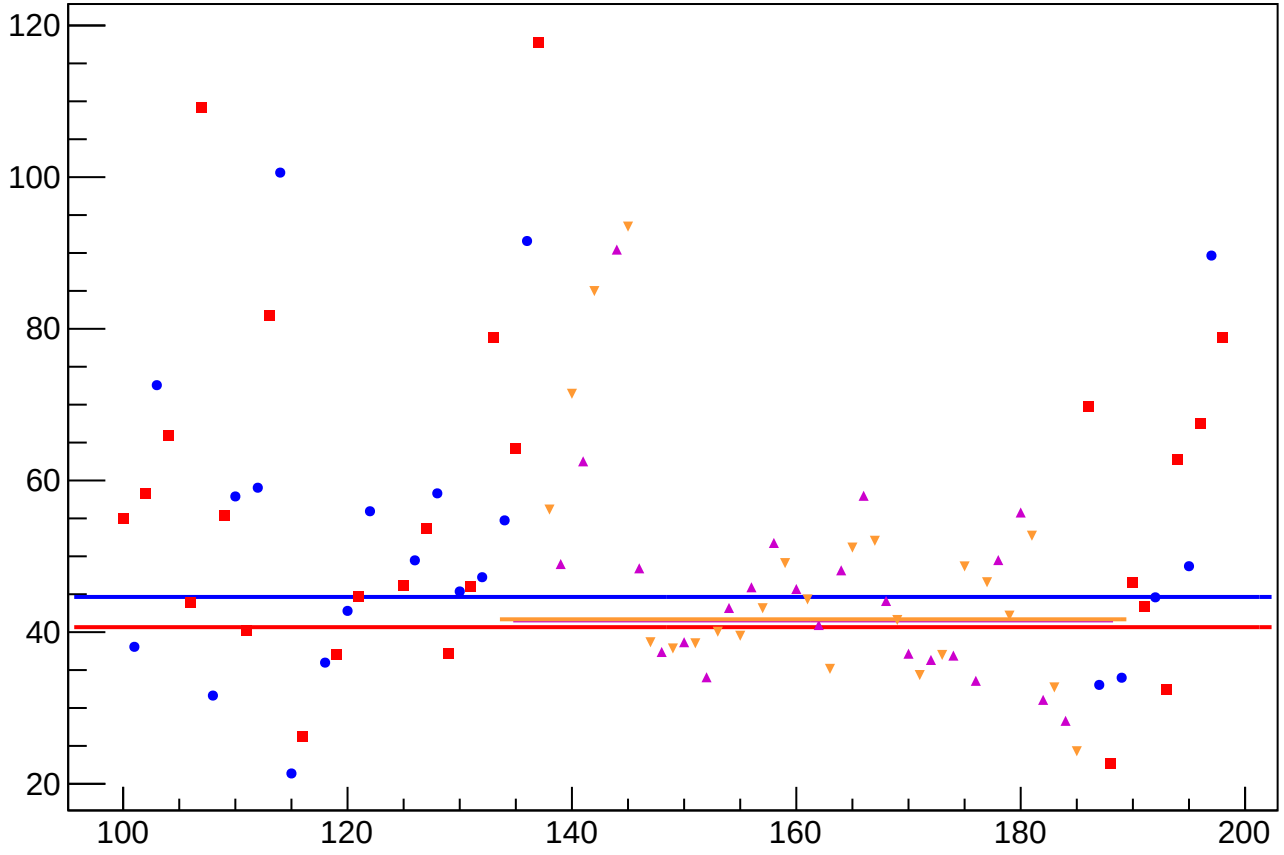
- sign 1740.944+/-0.225 χ^2/NDF: 1640963.9/48


asym_usl_reg_vs_cor_diff_mean vs Slug
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9.0/20
Left Out: 0.000+/-0.000 χ²/NDF:16.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 25.5/25
Left In: -0.000+/-0.000 χ²/NDF:28.1/22
+ sign 0.000+/-0.000 χ²/NDF: 25.7/44
All: 0.000+/-0.000 χ²/NDF: 83.1/93
- sign -0.000+/-0.000 χ²/NDF: 54.2/48


asym_usl_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2992031.4/20
Left Out: 0.000+/-0.000 χ²/NDF:3491055.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 3306014.1/25
Left In: 0.000+/-0.000 χ²/NDF:4180182.9/22
+ sign 0.000+/-0.000 χ²/NDF: 7450033.8/44
All: 0.000+/-0.000 χ²/NDF: 17098425.0/93
- sign 0.000+/-0.000 χ²/NDF: 9634077.1/48


asym_usl_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.014+/-0.016 χ²/NDF: 22.4/20
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: -0.003+/-0.014 χ²/NDF: 42.0/25
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.013+/-0.009 χ²/NDF: 44.3/44
All: -0.004+/-0.006 χ²/NDF: 110.9/93
- sign 0.005+/-0.008 χ²/NDF: 64.4/48

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.643+/-0.011 χ^2/NDF: 1771583.9/20

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

Right Out: 40.658+/-0.010 χ^2/NDF: 3213171.4/25

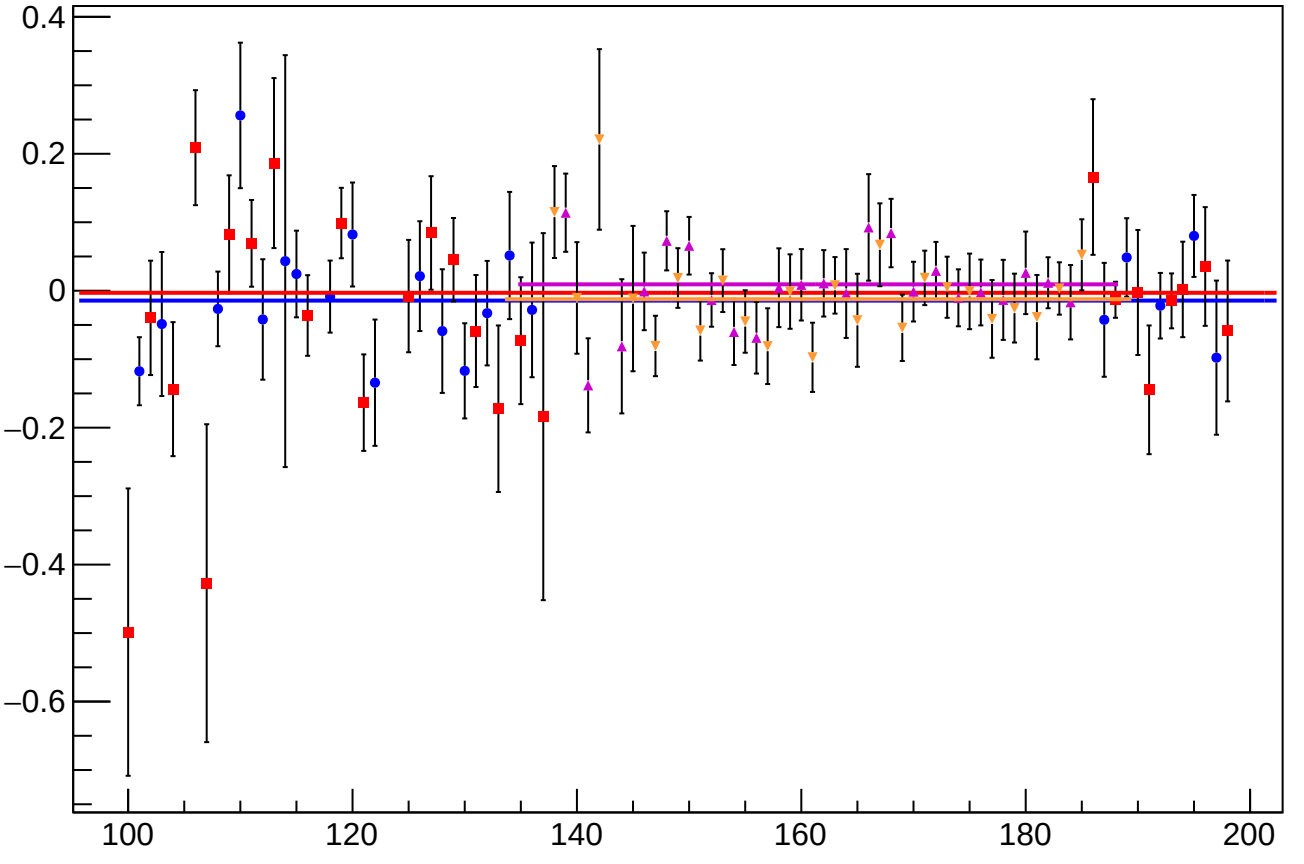
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.609+/-0.006 χ^2/NDF: 3642336.5/44

All: 41.877+/-0.004 χ^2/NDF: 8500775.2/93

- sign 41.216+/-0.006 χ^2/NDF: 4831590.4/48

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.014+/-0.016 χ^2/NDF: 22.4/20

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

Right Out: -0.003+/-0.014 χ^2/NDF: 42.0/25

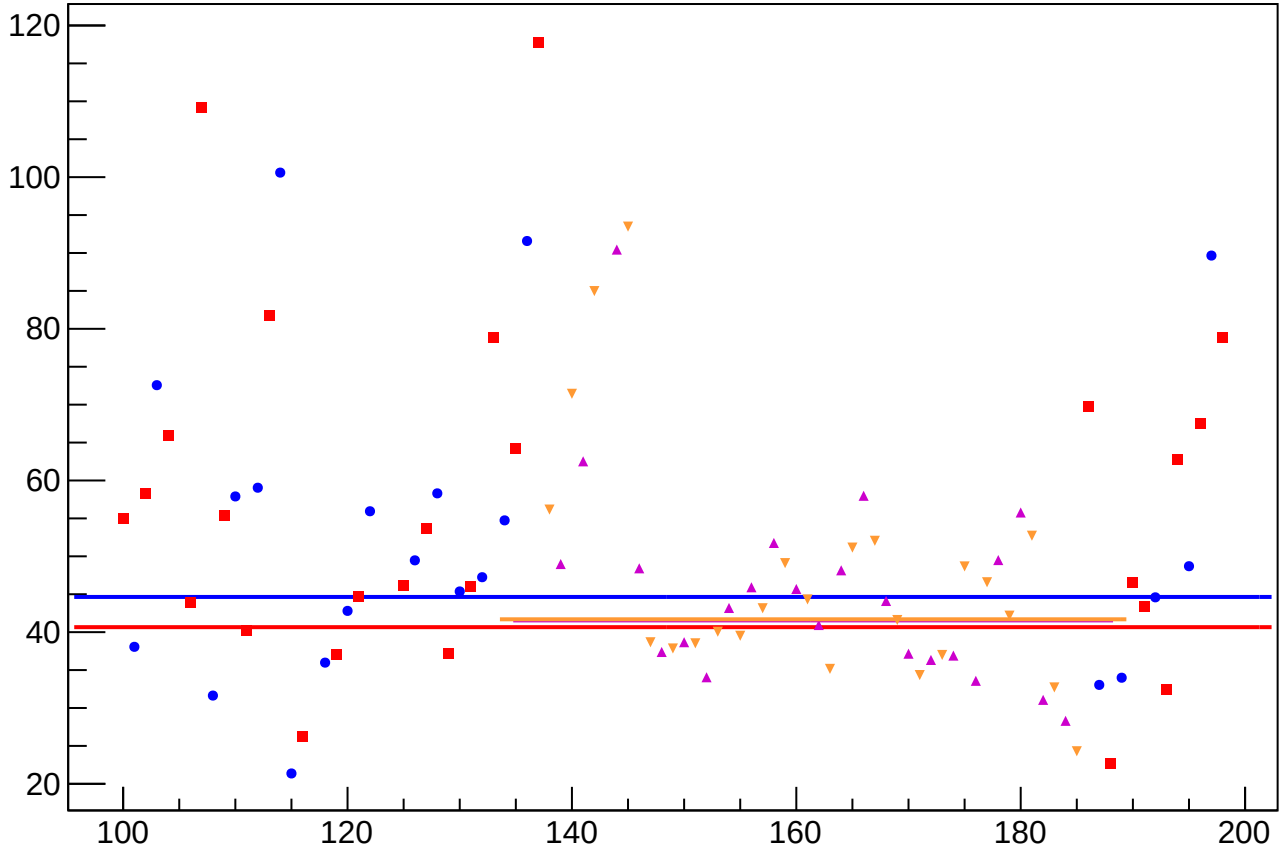
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.3/44

All: -0.004+/-0.006 χ^2/NDF: 110.9/93

- sign 0.005+/-0.008 χ^2/NDF: 64.4/48

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.643+/-0.011 χ^2/NDF: 1771583.9/20

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

Right Out: 40.658+/-0.010 χ^2/NDF: 3213171.4/25

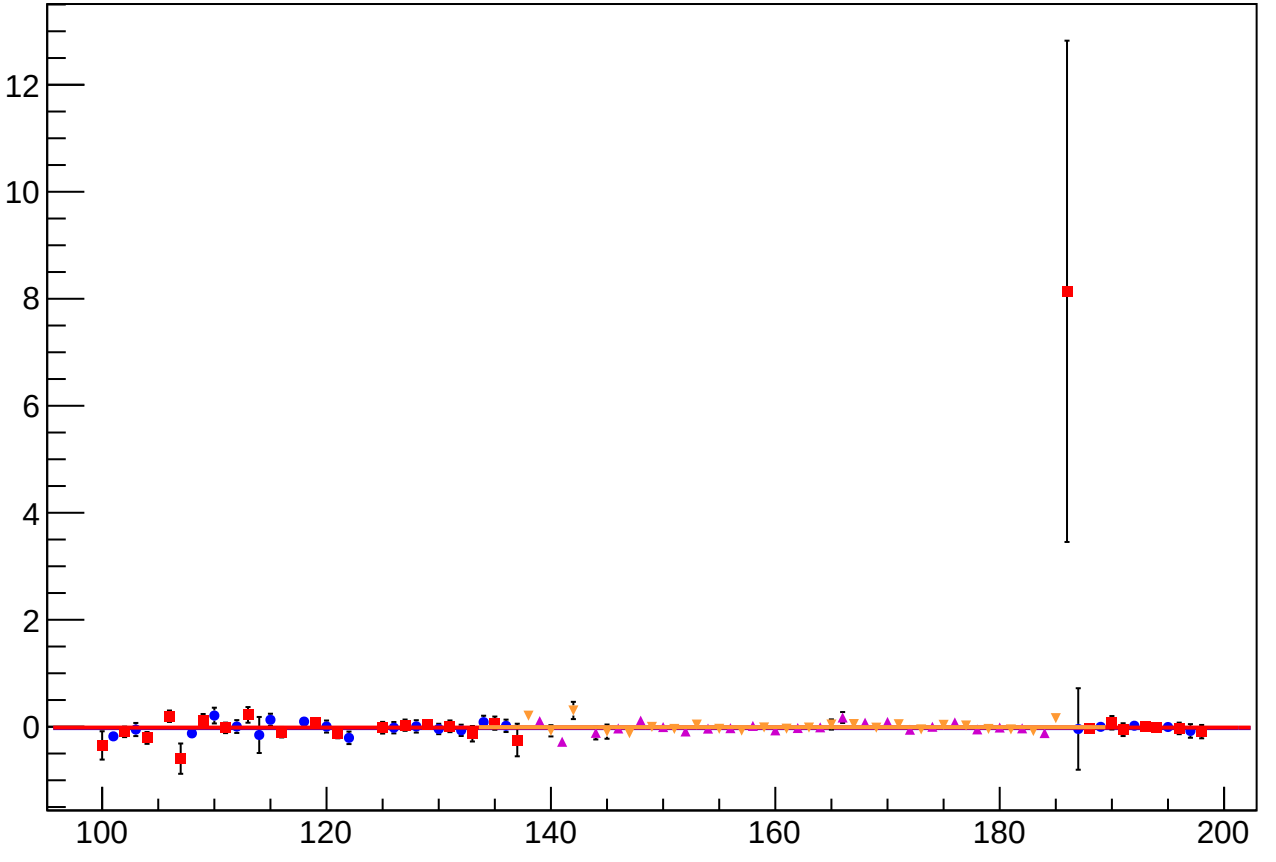
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.609+/-0.006 χ^2/NDF: 3642336.5/44

All: 41.877+/-0.004 χ^2/NDF: 8500775.2/93

- sign 41.216+/-0.006 χ^2/NDF: 4831590.4/48

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.025+/-0.022 χ^2/NDF: 18.4/20

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

Right Out: -0.015+/-0.020 χ^2/NDF: 27.2/25

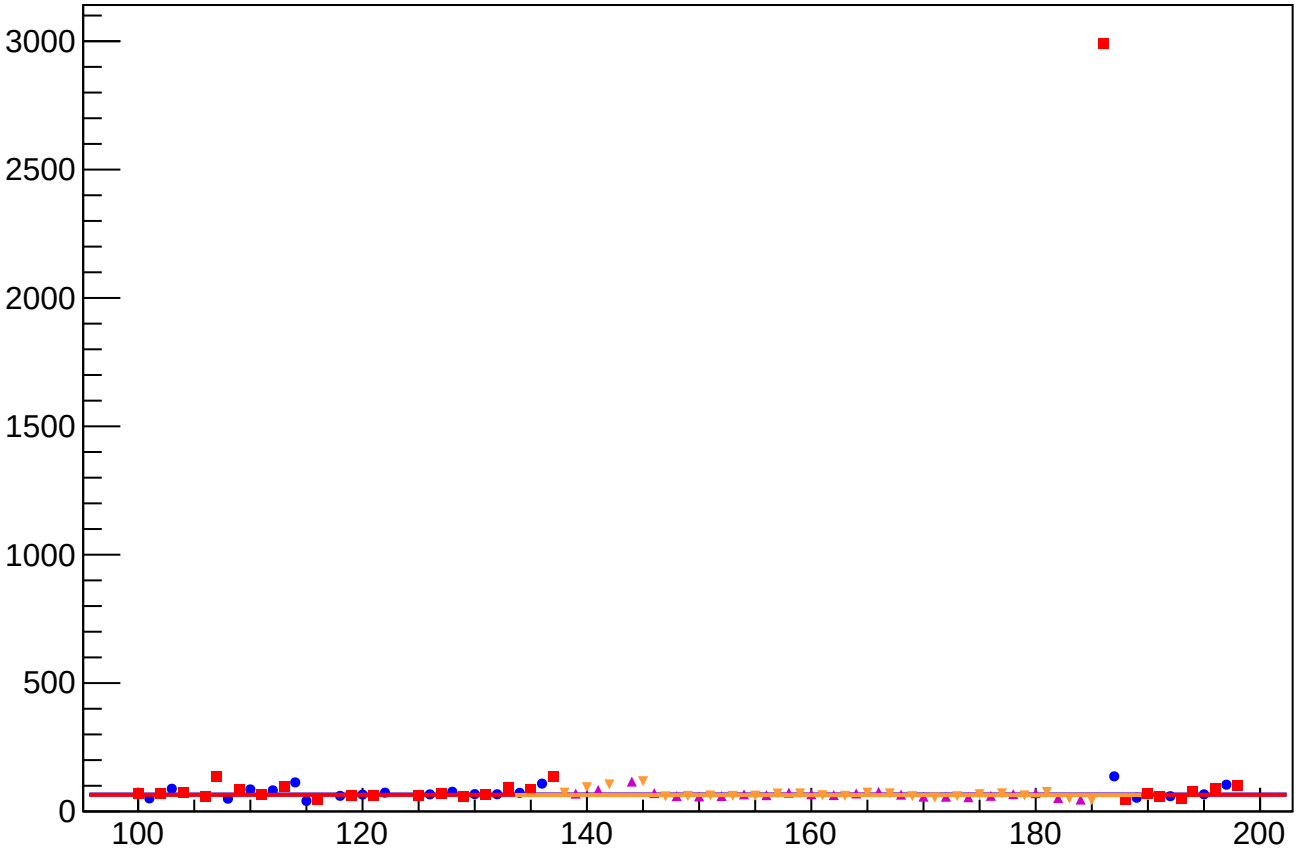
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.013+/-0.013 χ^2/NDF: 42.5/44

All: -0.012+/-0.009 χ^2/NDF: 98.0/93

- sign -0.010+/-0.012 χ^2/NDF: 55.5/48

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.905+/-0.016 χ^2/NDF: 1034400.0/20

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

Right Out: 64.811+/-0.014 χ^2/NDF: 2161613.0/25

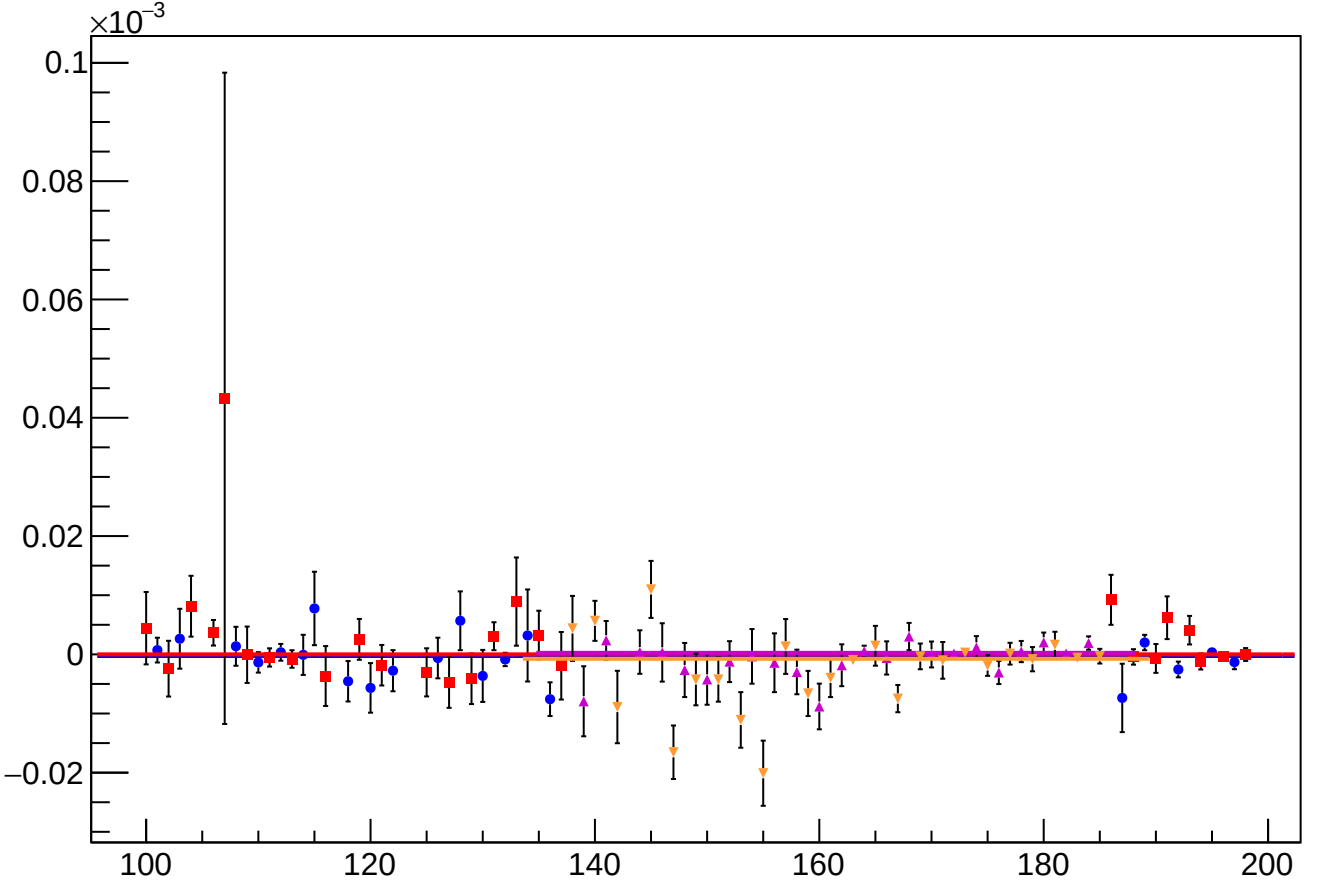
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.478+/-0.009 χ^2/NDF: 2125748.1/44

All: 64.399+/-0.006 χ^2/NDF: 5128168.1/93

- sign 64.325+/-0.009 χ^2/NDF: 3002269.2/48

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/25

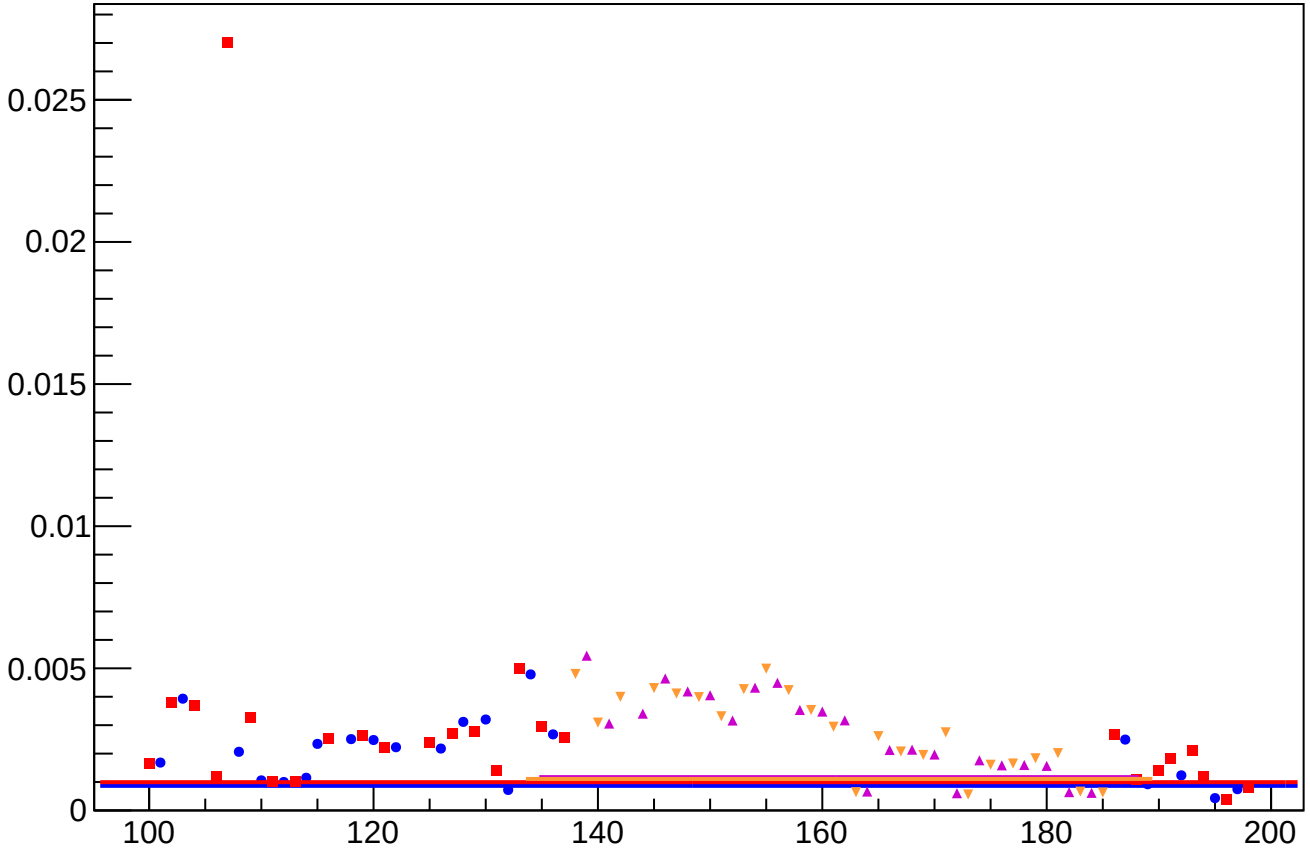
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 86.4/44

All: -0.000+/-0.000 χ^2/NDF: 136.0/93

- sign 0.000+/-0.000 χ^2/NDF: 46.2/48

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6919192.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 8305963.0/25

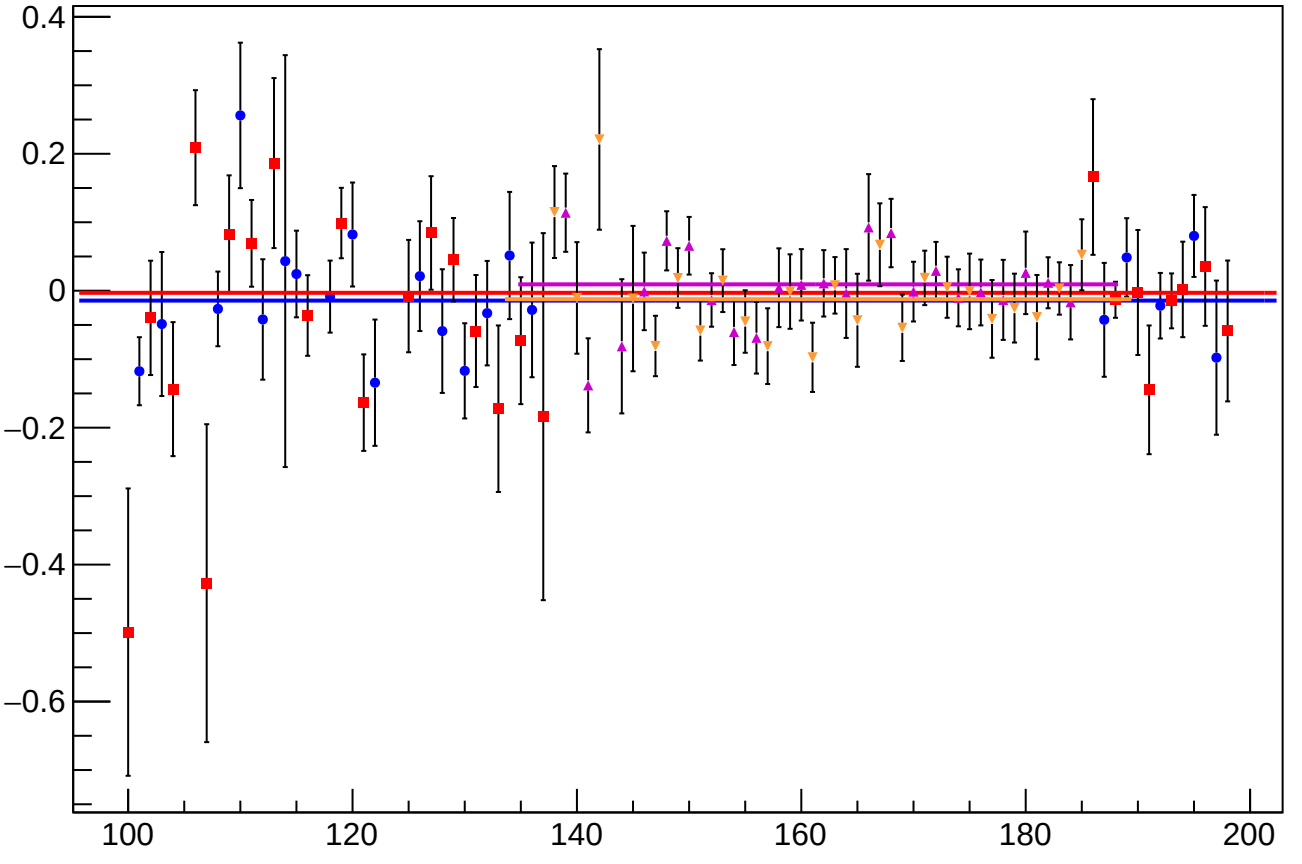
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 22582134.7/44

All: 0.001+/-0.000 χ^2/NDF: 45530300.7/93

- sign 0.001+/-0.000 χ^2/NDF: 22796276.2/48

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.016 χ^2/NDF: 22.4/20

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

Right Out: -0.003+/-0.014 χ^2/NDF: 42.0/25

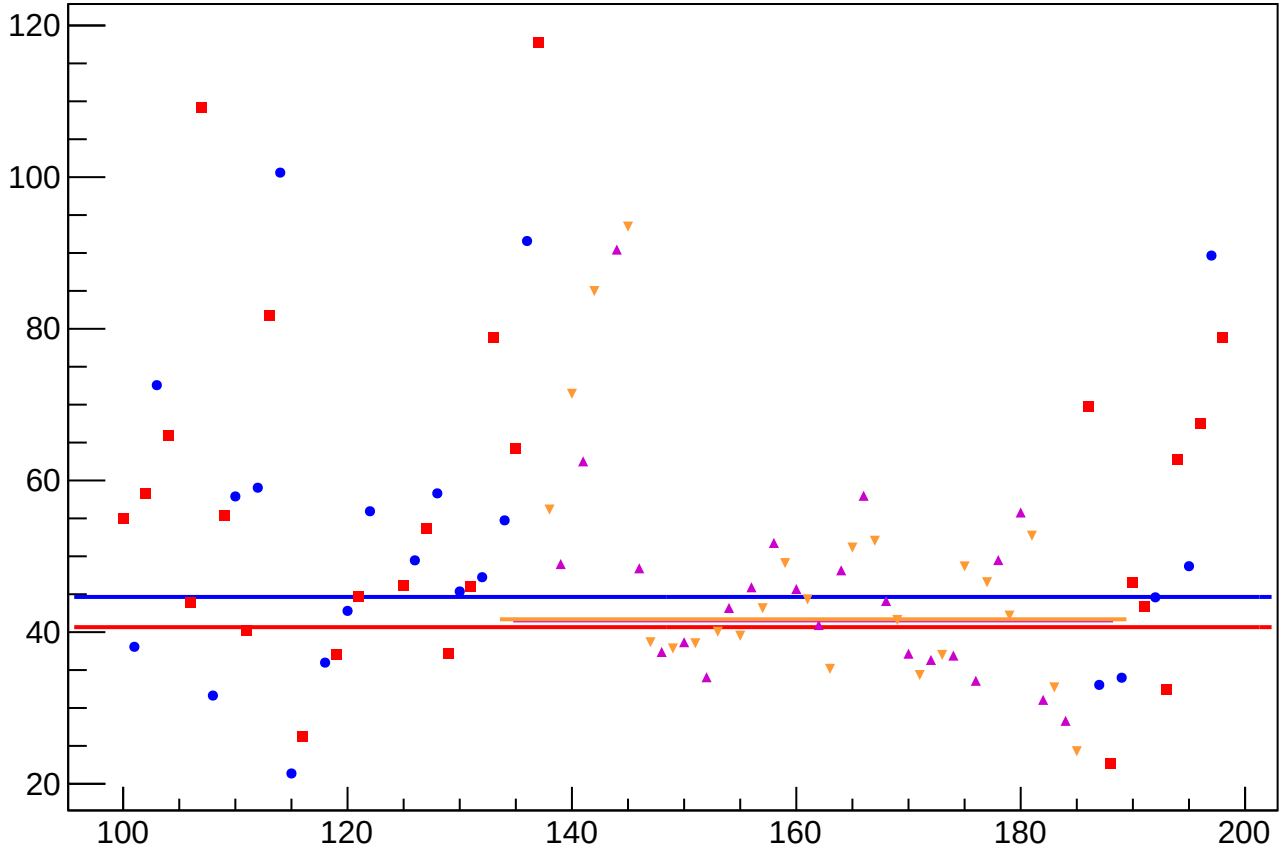
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.3/44

All: -0.004+/-0.006 χ^2/NDF: 110.9/93

- sign 0.005+/-0.008 χ^2/NDF: 64.4/48

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.642+/-0.011 χ^2/NDF: 1771655.0/20

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

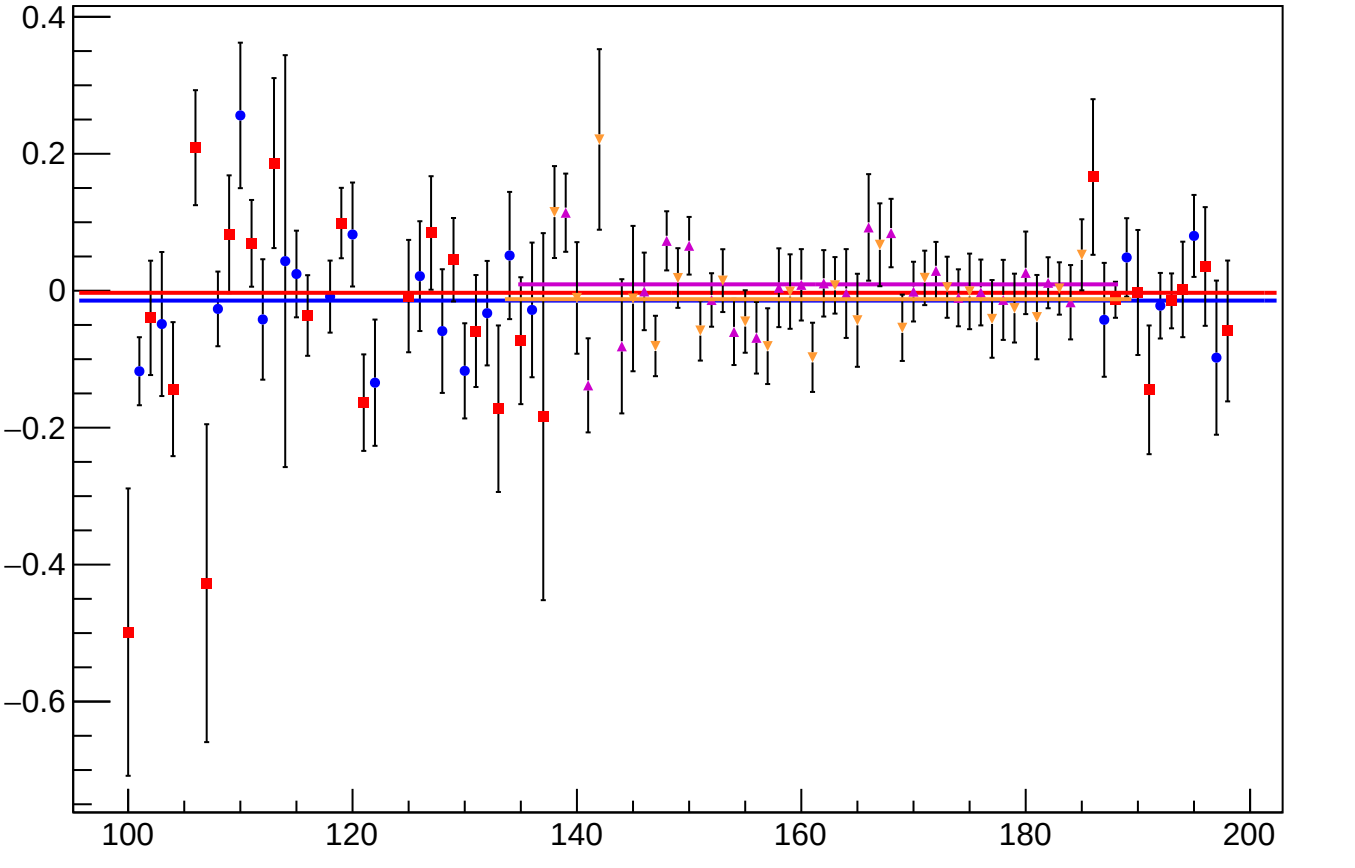
Right Out: 40.658+/-0.010 χ^2/NDF: 3212984.2/25

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

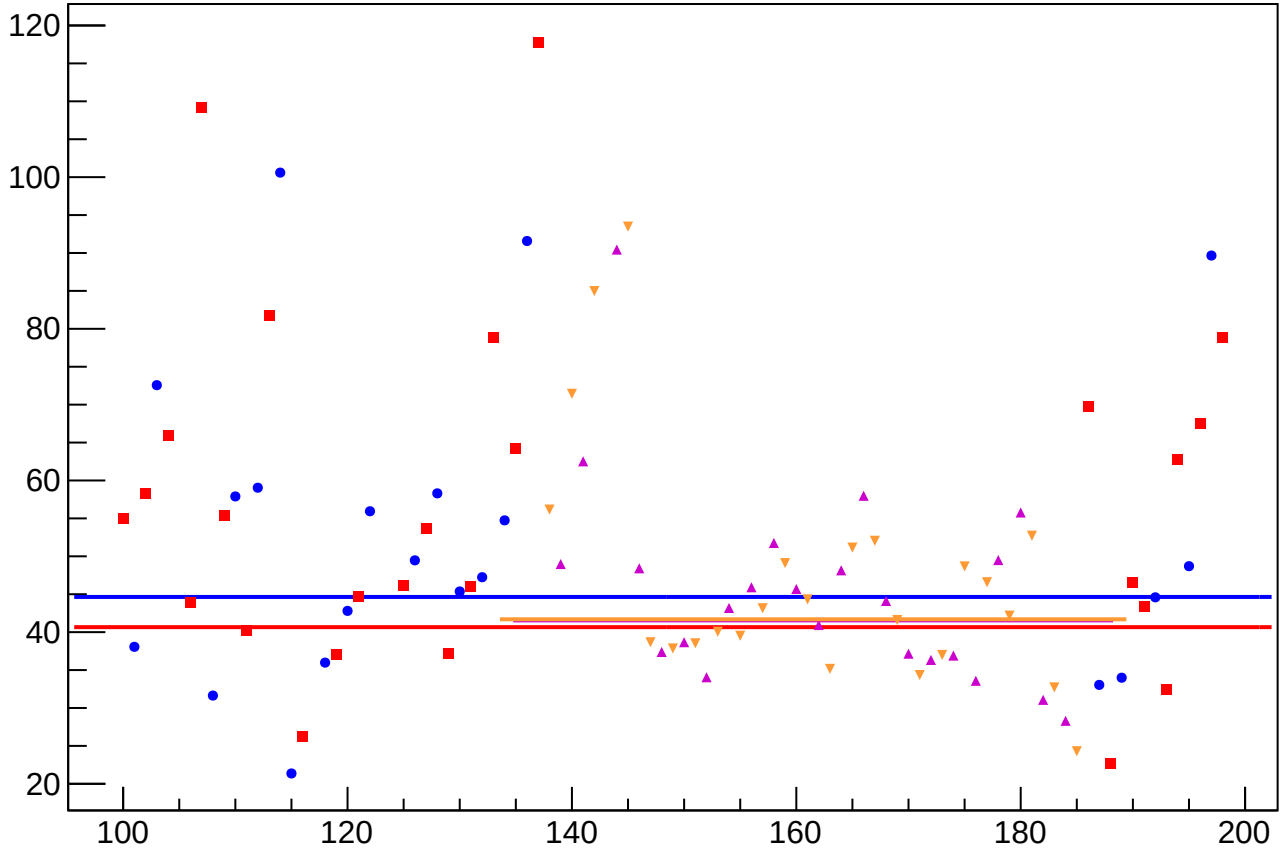
+ sign 42.609+/-0.006 χ^2/NDF: 3642346.1/44

All: 41.877+/-0.004 χ^2/NDF: 8500548.4/93

- sign 41.216+/-0.006 χ^2/NDF: 4831366.4/48


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: -0.014+/-0.016 χ²/NDF: 22.4/20
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: -0.003+/-0.014 χ²/NDF: 42.0/25
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.013+/-0.009 χ²/NDF: 44.3/44
All: -0.004+/-0.006 χ²/NDF: 110.9/93
- sign 0.005+/-0.008 χ²/NDF: 64.4/48

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.642+/-0.011 χ^2/NDF: 1771655.0/20

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 40.658+/-0.010 χ^2/NDF: 3212984.2/25

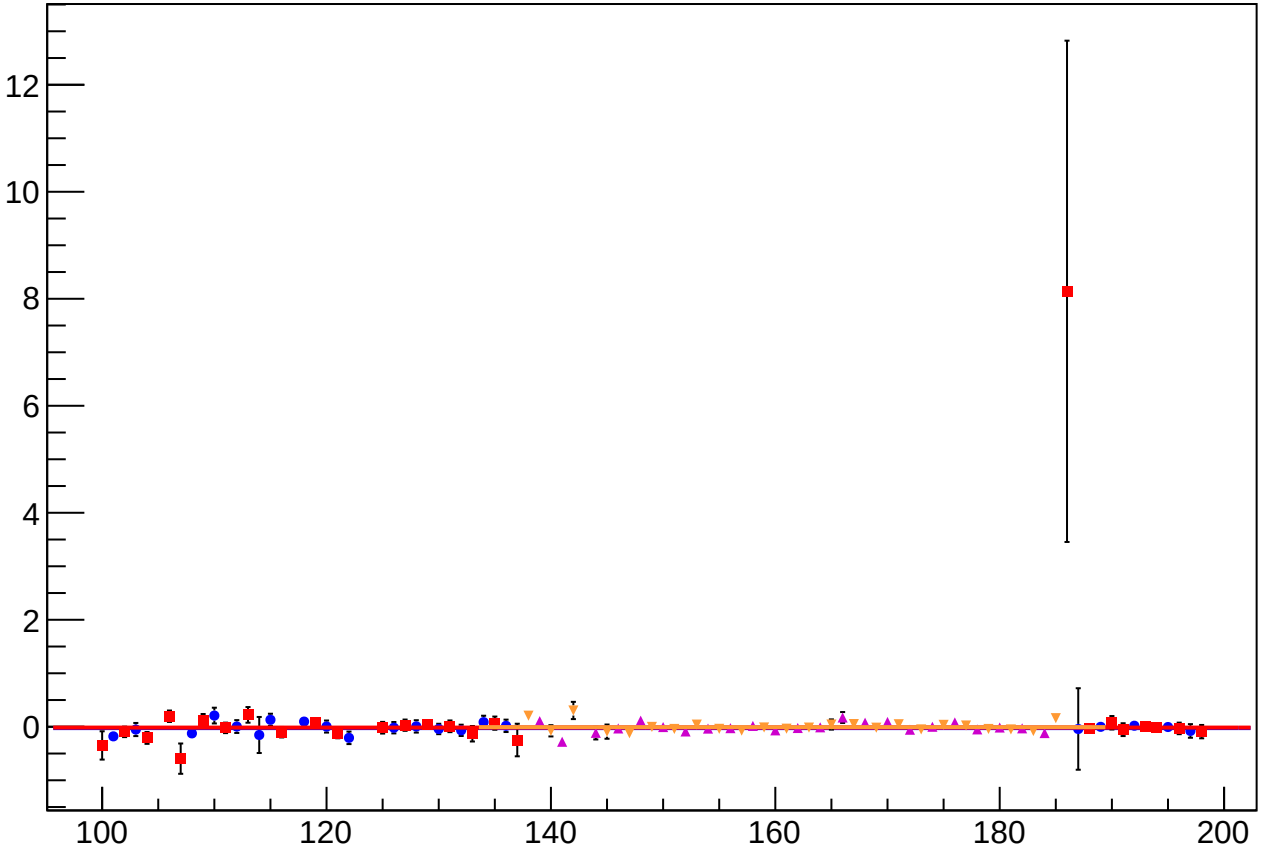
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.609+/-0.006 χ^2/NDF: 3642346.1/44

All: 41.877+/-0.004 χ^2/NDF: 8500548.4/93

- sign 41.216+/-0.006 χ^2/NDF: 4831366.4/48

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.025+/-0.022 χ^2/NDF: 18.4/20

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

Right Out: -0.015+/-0.020 χ^2/NDF: 27.2/25

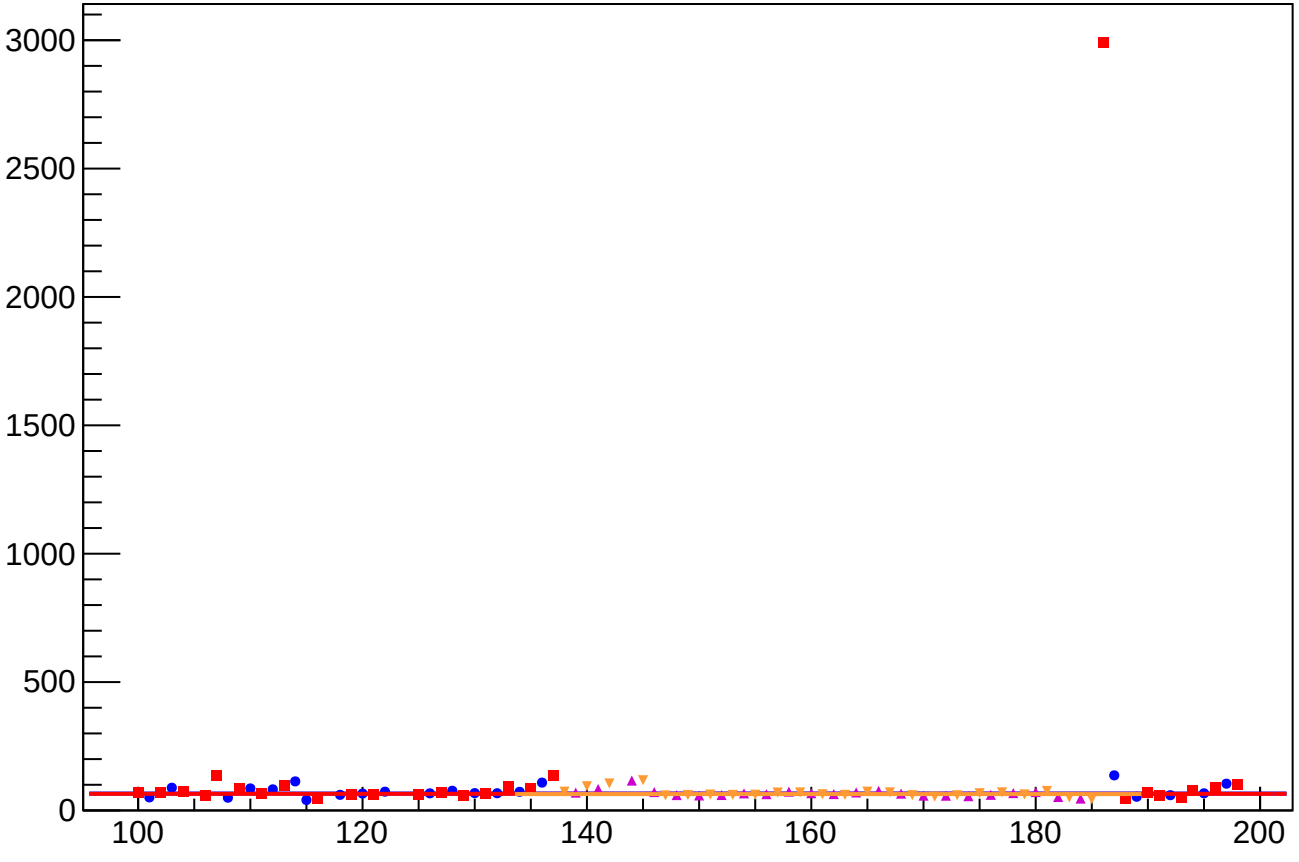
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.013+/-0.013 χ^2/NDF: 42.5/44

All: -0.012+/-0.009 χ^2/NDF: 98.0/93

- sign -0.010+/-0.012 χ^2/NDF: 55.5/48

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.905+/-0.016 χ^2/NDF: 1034412.4/20

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 64.811+/-0.014 χ^2/NDF: 2161592.3/25

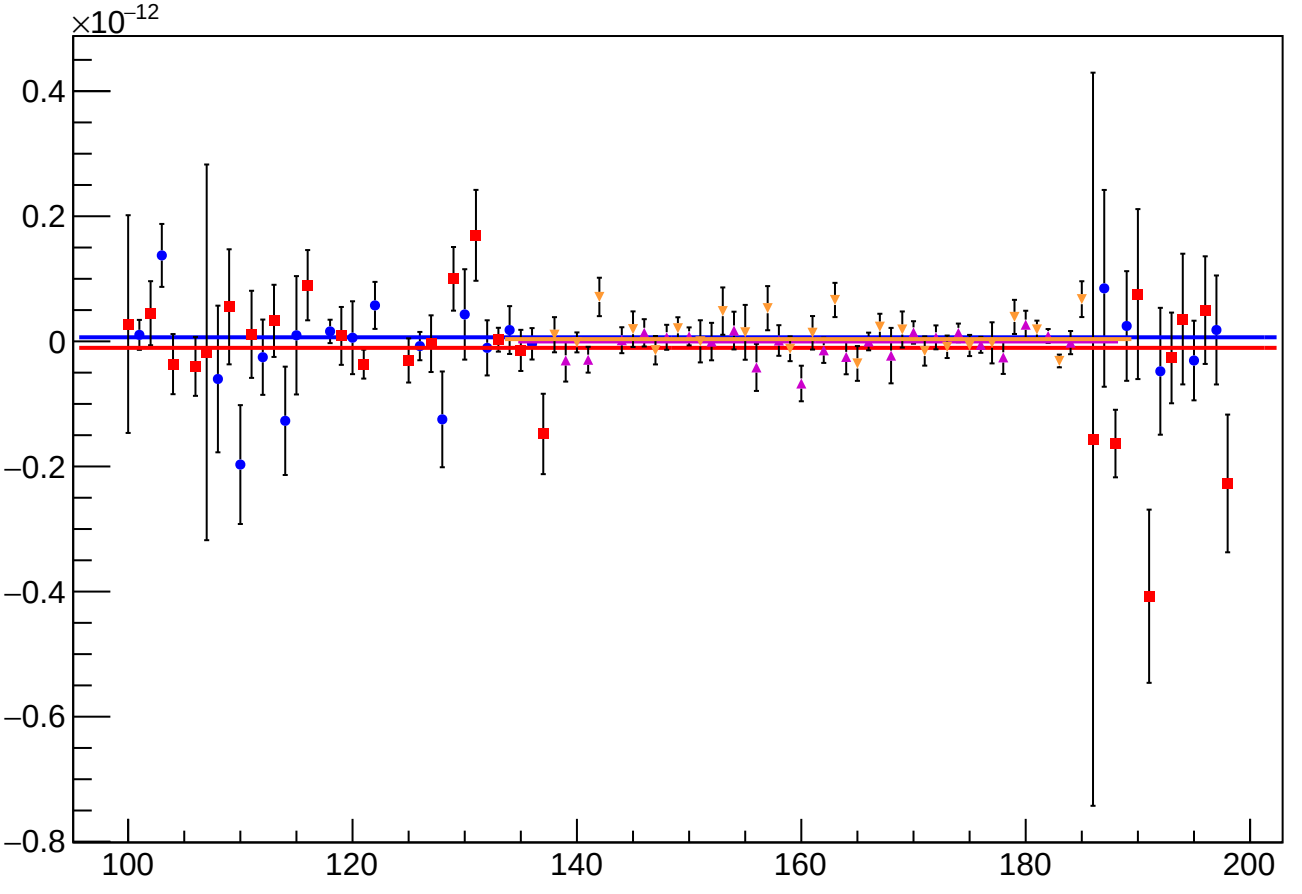
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.478+/-0.009 χ^2/NDF: 2125742.9/44

All: 64.399+/-0.006 χ^2/NDF: 5128134.9/93

- sign 64.325+/-0.009 χ^2/NDF: 3002241.2/48

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/25

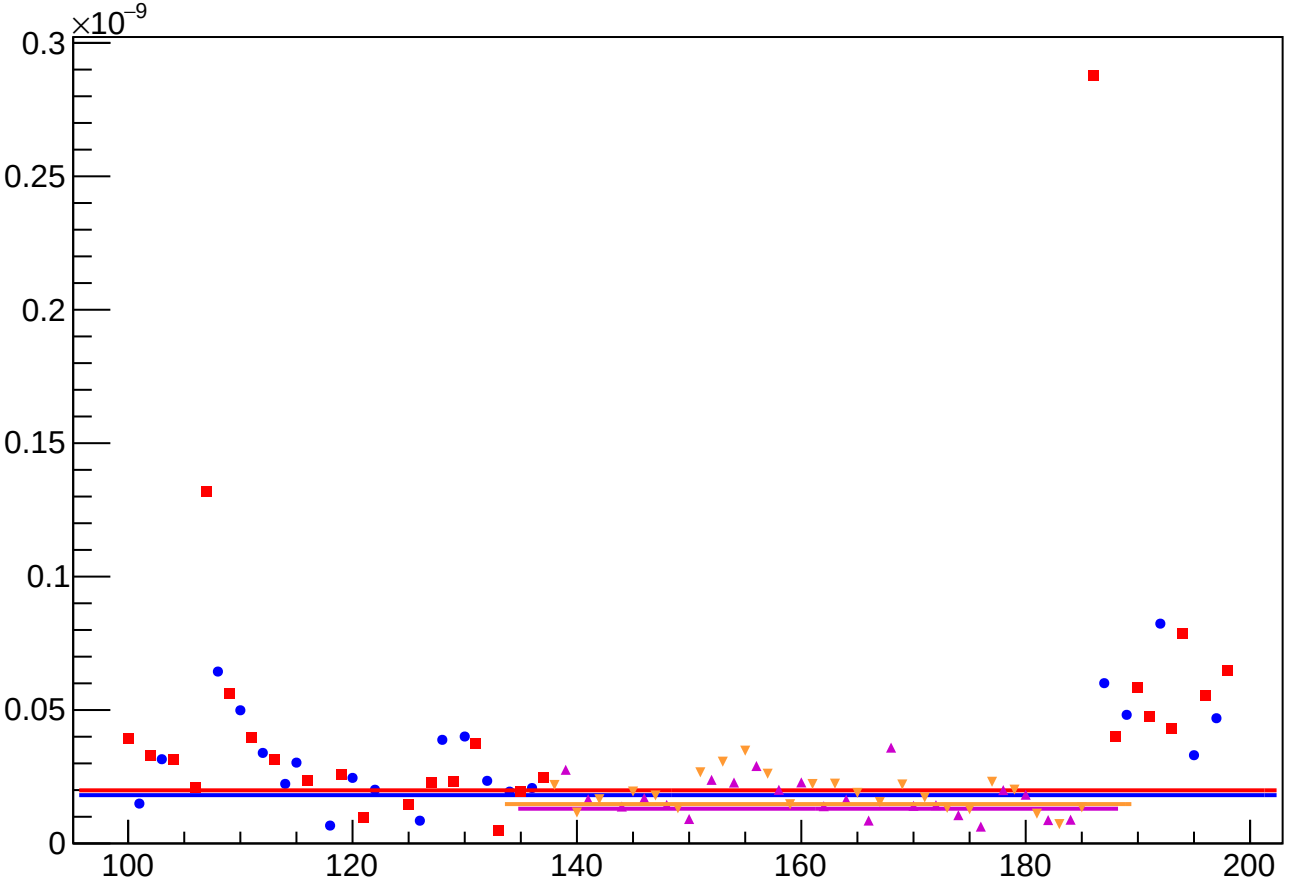
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.1/44

All: 0.000+/-0.000 χ^2/NDF: 126.6/93

- sign -0.000+/-0.000 χ^2/NDF: 63.4/48

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3920443.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

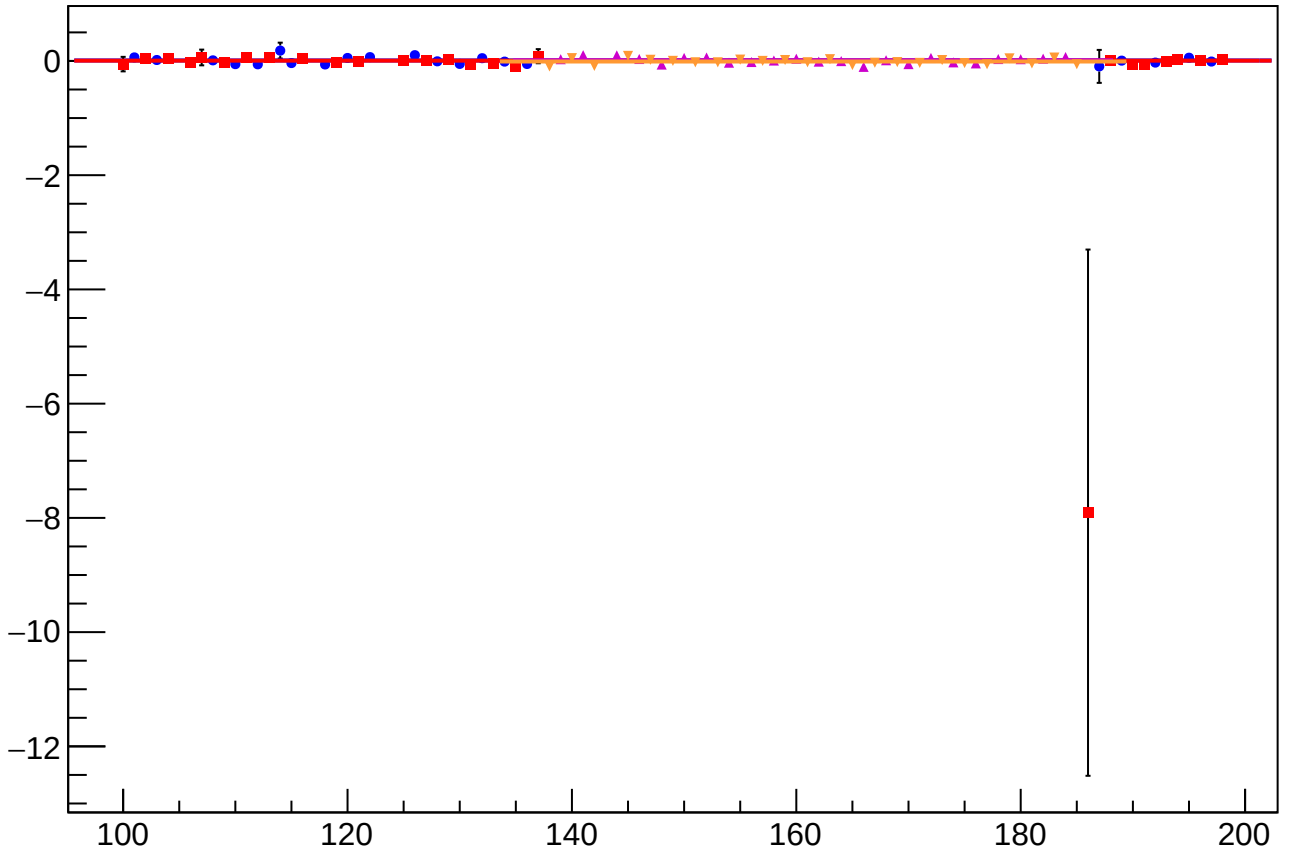
Right Out: 0.000+/-0.000 χ^2/NDF: 5397859.7/25

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7677502.0/44

All: 0.000+/-0.000 χ^2/NDF: 18025266.0/93

- sign 0.000+/-0.000 χ^2/NDF: 10231459.8/48



Right In: 0.009+/-0.011 χ^2/NDF: 18.1/20

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.005+/-0.010 χ^2/NDF: 16.4/25

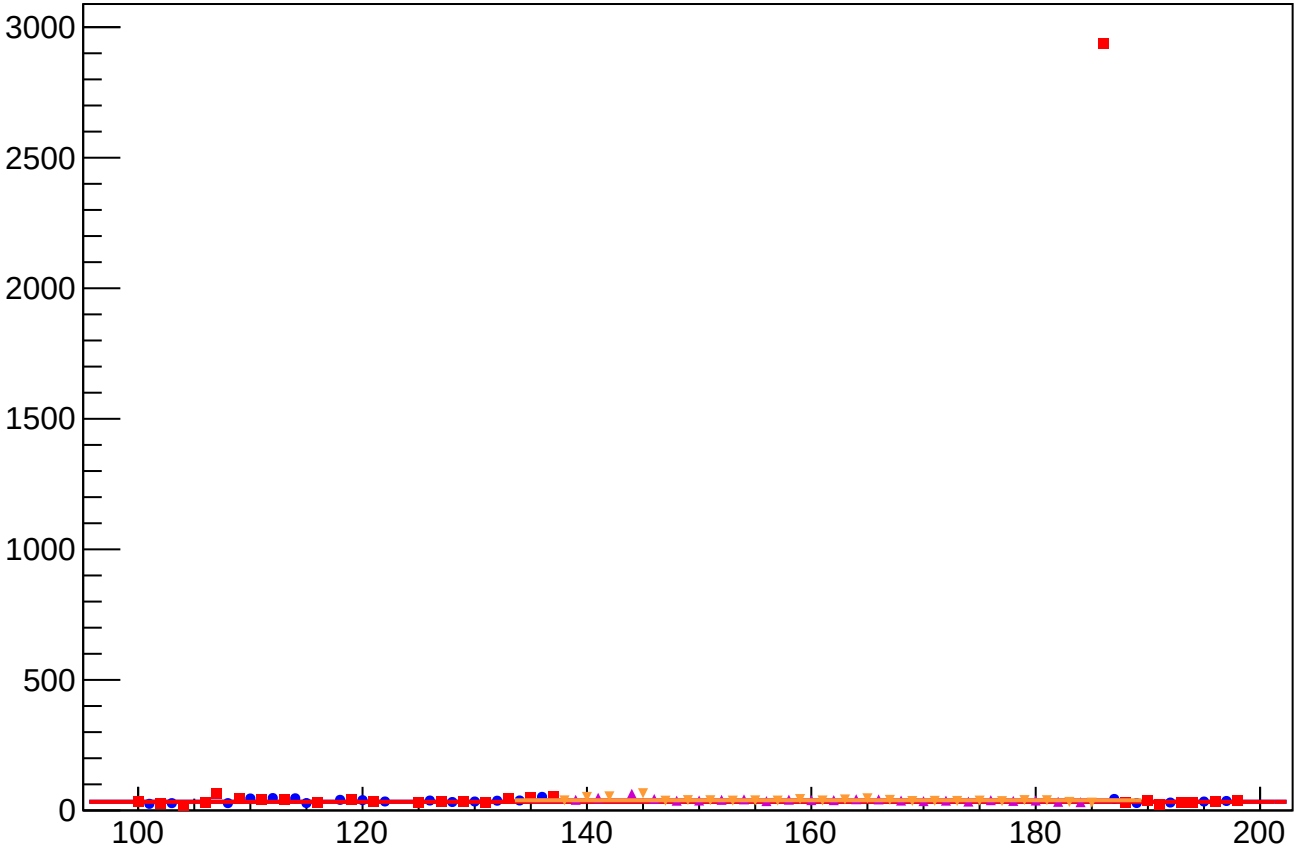
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.002+/-0.007 χ^2/NDF: 39.1/44

All: 0.003+/-0.005 χ^2/NDF: 80.0/93

- sign 0.008+/-0.007 χ^2/NDF: 39.8/48

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.610+/-0.008 χ^2/NDF: 698369.4/20

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

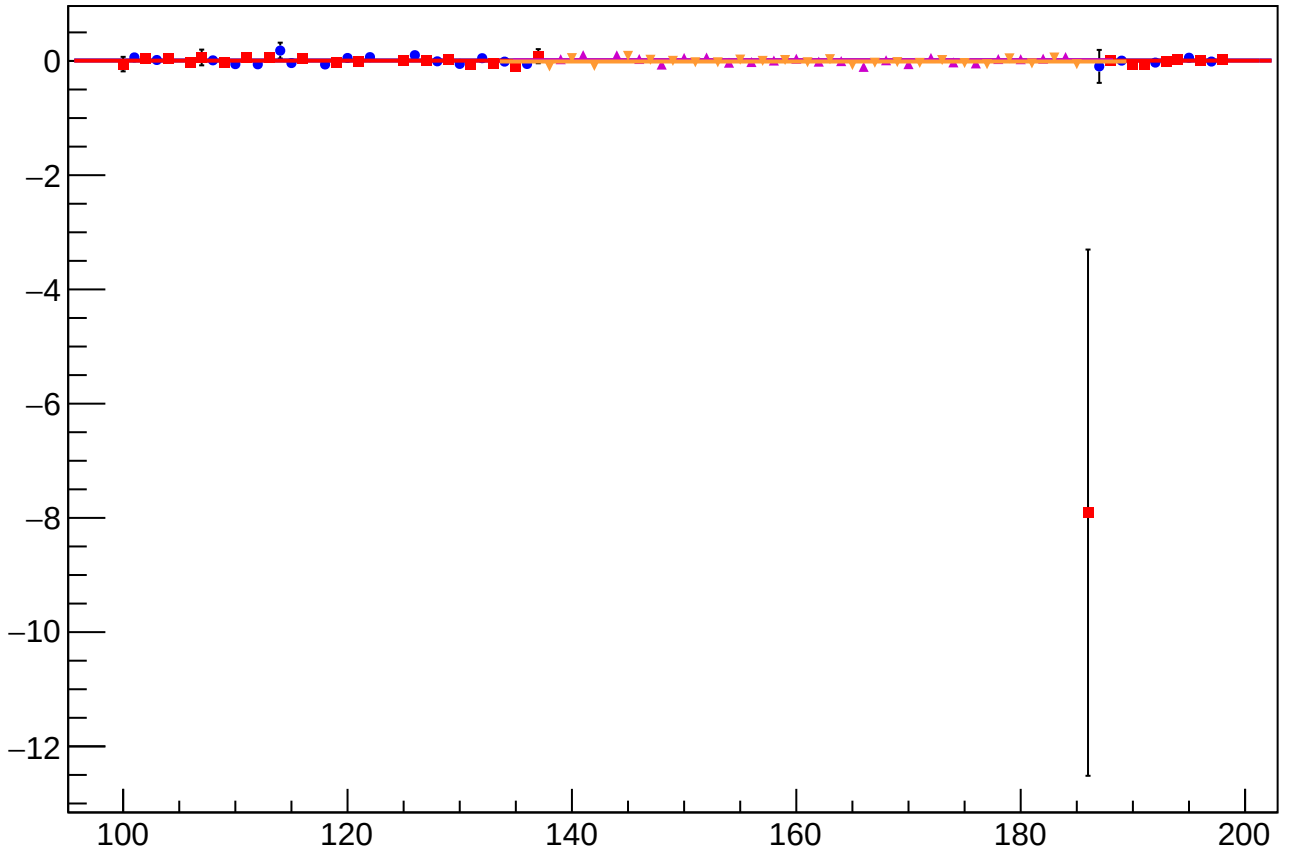
Right Out: 33.000+/-0.007 χ^2/NDF: 1838688.8/25

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 36.709+/-0.005 χ^2/NDF: 1593830.3/44

All: 36.476+/-0.004 χ^2/NDF: 4353136.9/93

- sign 36.259+/-0.005 χ^2/NDF: 2755251.3/48



Right In: 0.009+/-0.011 χ^2/NDF: 18.1/20

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.005+/-0.010 χ^2/NDF: 16.4/25

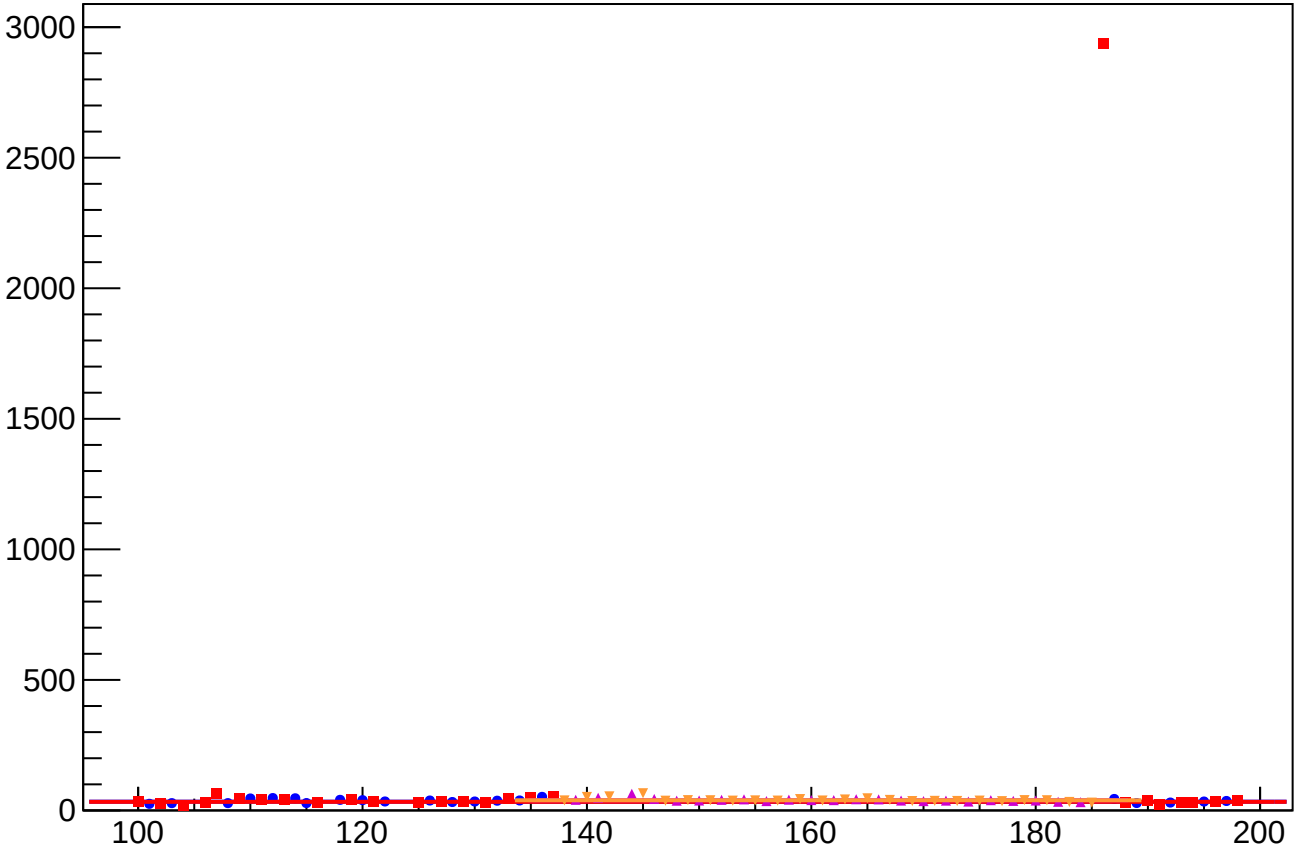
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.002+/-0.007 χ^2/NDF: 39.1/44

All: 0.003+/-0.005 χ^2/NDF: 80.0/93

- sign 0.008+/-0.007 χ^2/NDF: 39.8/48

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 33.610+/-0.008 χ^2/NDF: 698369.4/20

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.000+/-0.007 χ^2/NDF: 1838688.8/25

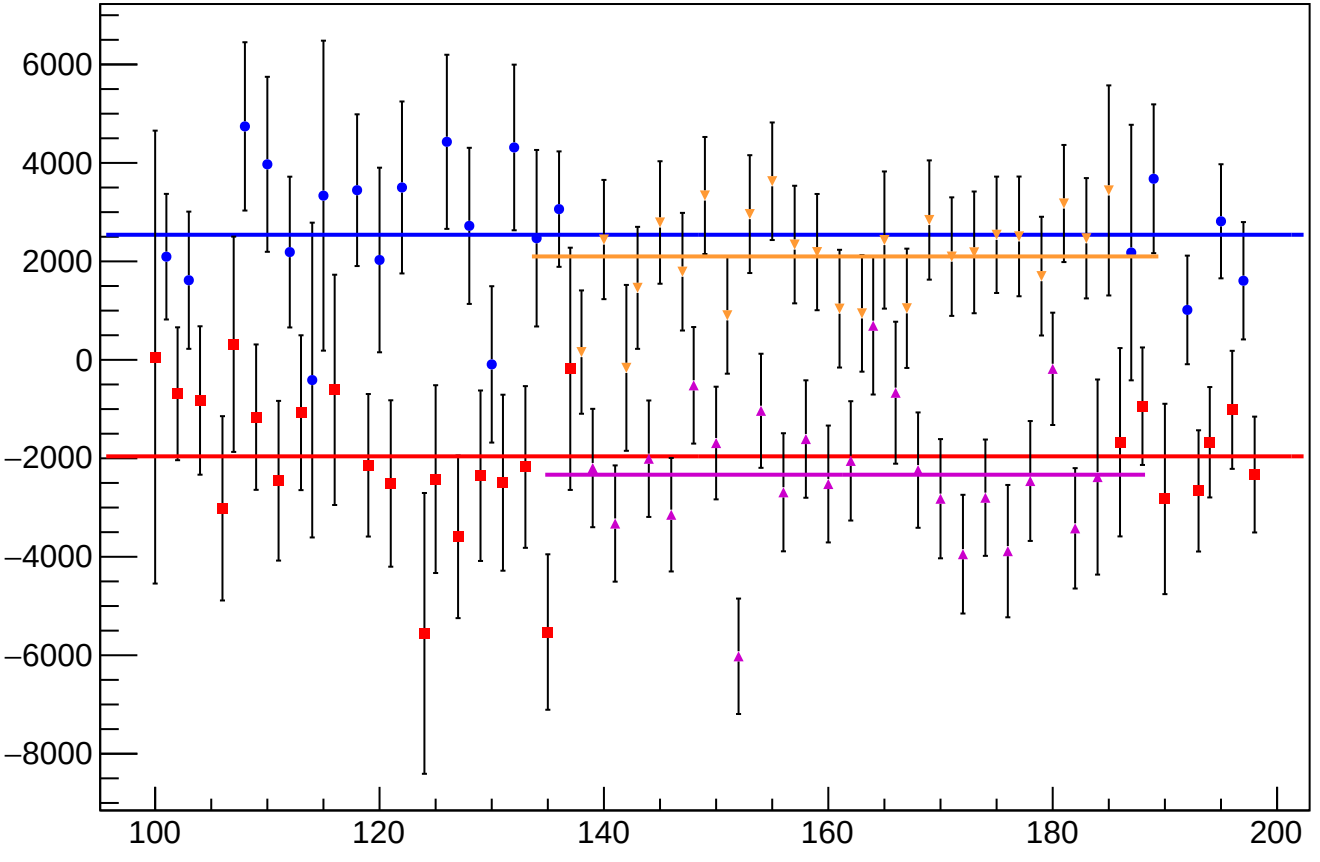
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

\+ sign 36.709+/-0.005 χ^2/NDF: 1593830.3/44

All: 36.476+/-0.004 χ^2/NDF: 4353136.9/93

\- sign 36.259+/-0.005 χ^2/NDF: 2755251.3/48

reg_asym_usr_mean vs Slug



Right In: 2540.681+/-336.895 χ^2/NDF: 12.9/20

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1959.699+/-312.354 χ^2/NDF: 14.7/25

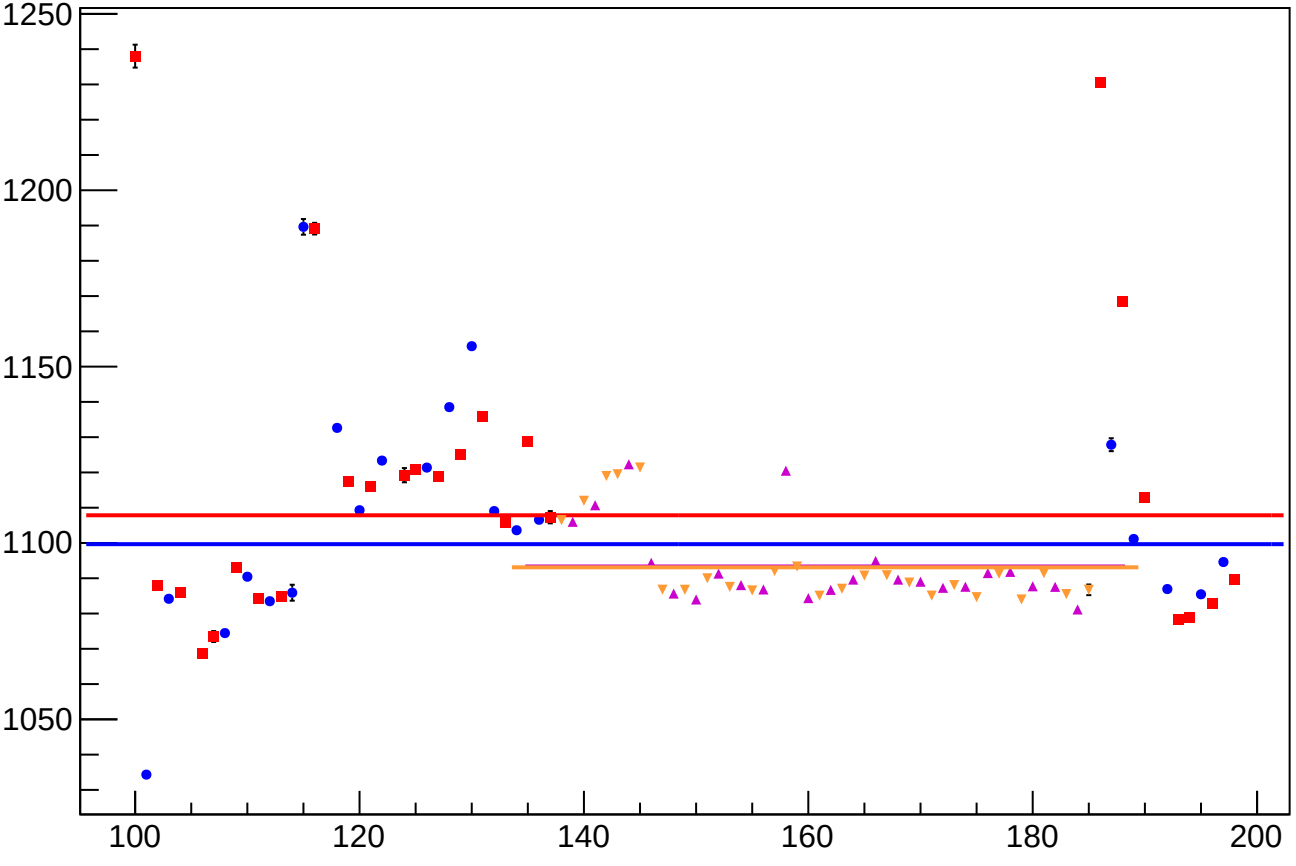
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2255.382+/-199.881 χ^2/NDF: 27.9/45

All: 11.212+/-140.547 χ^2/NDF: 322.2/94

- sign -2183.478+/-197.665 χ^2/NDF: 45.0/48

reg_asym_usr_rms vs Slug



Right In: 1099.666+/-0.238 χ^2/NDF: 14196.1/20

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

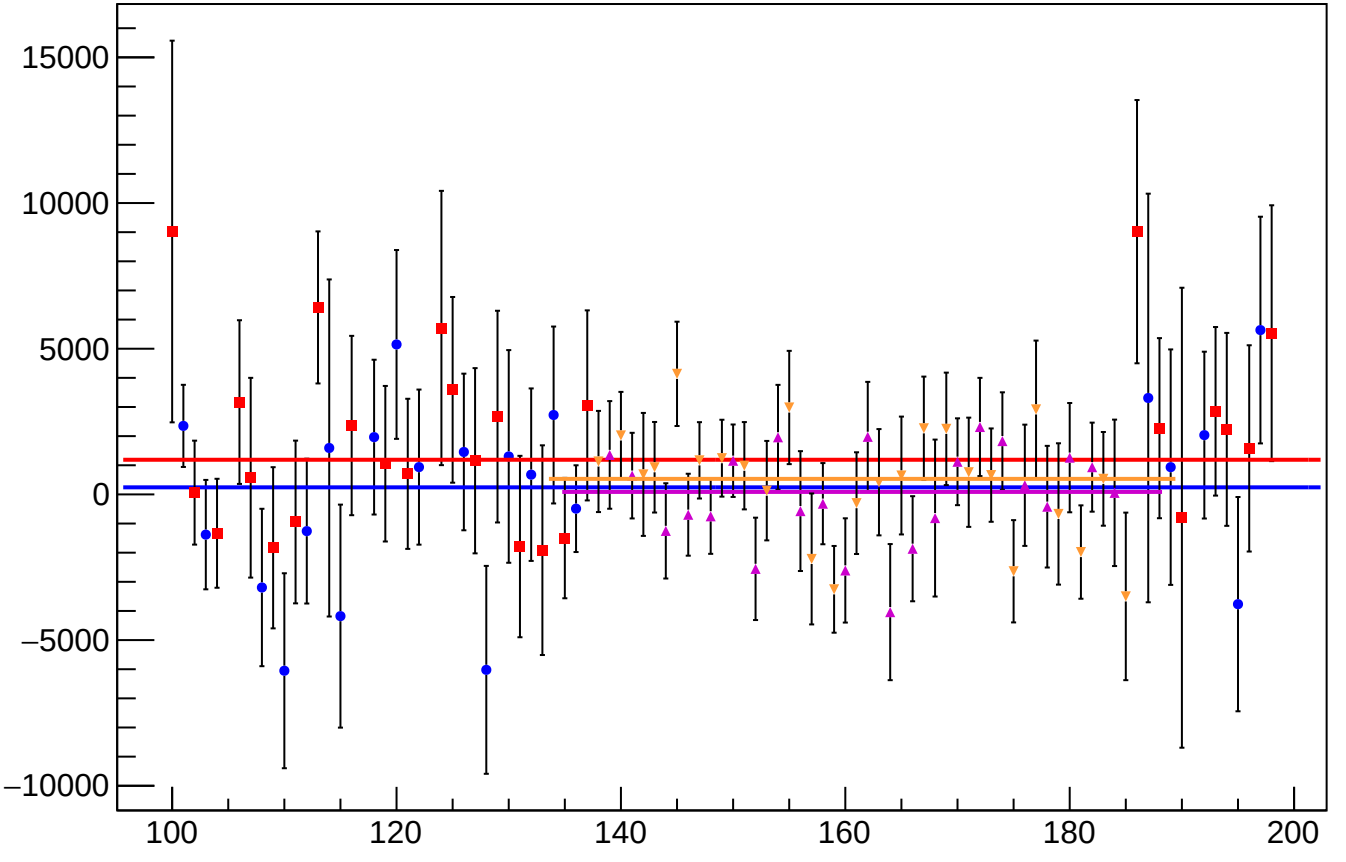
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.413+/-0.141 χ^2/NDF: 18671.2/45

All: 1097.303+/-0.099 χ^2/NDF: 51253.7/94

- sign 1099.151+/-0.140 χ^2/NDF: 32228.9/48

asym_usr_reg_correction_mean vs Slug



Right In: 242.534+/-581.125 χ^2/NDF: 20.7/20

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1189.000+/-579.589 χ^2/NDF: 20.1/25

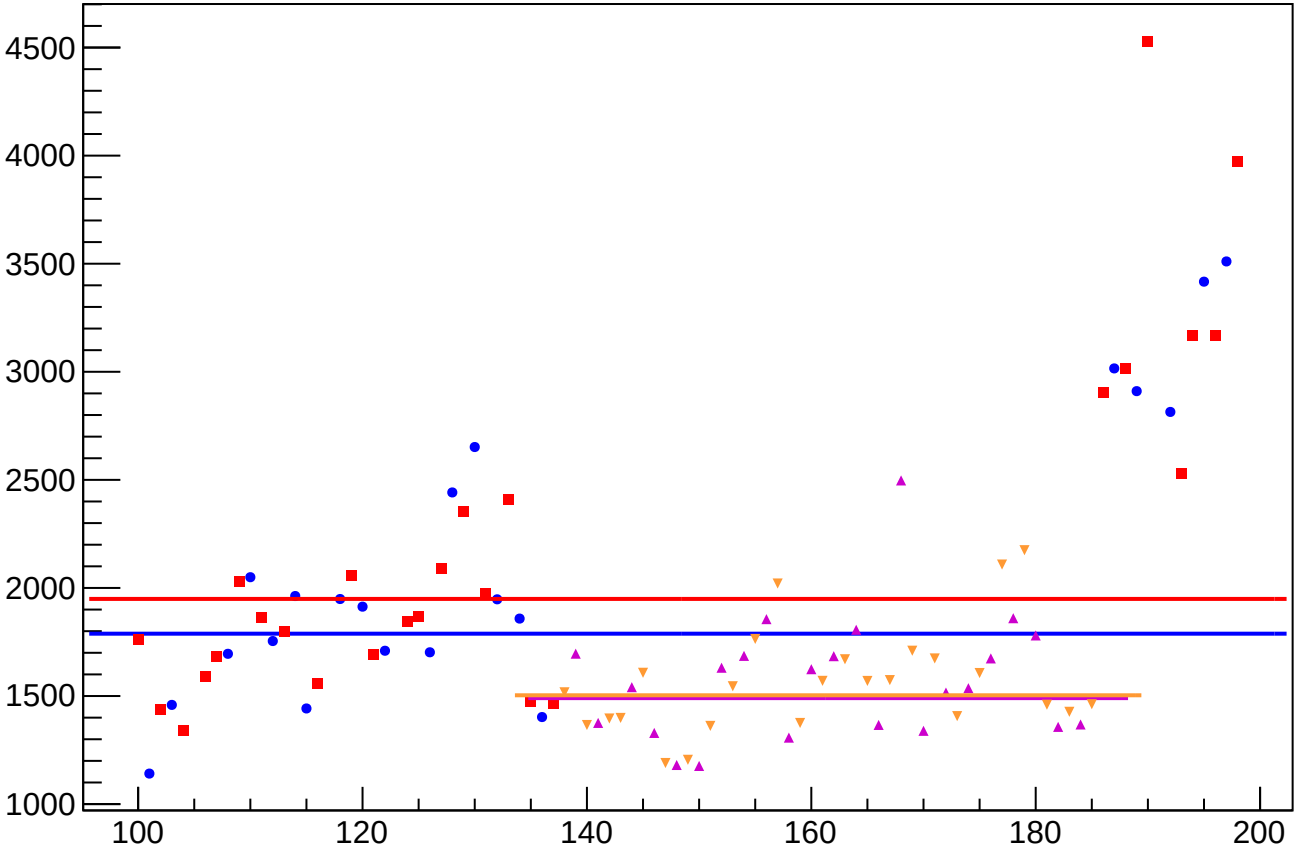
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 456.570+/-298.069 χ^2/NDF: 47.3/45

All: 421.315+/-212.165 χ^2/NDF: 88.2/94

- sign 385.108+/-302.065 χ^2/NDF: 40.8/48

asym_usr_reg_correction_rms vs Slug



Right In: 1788.415+/-0.411 χ^2/NDF: 2107002.7/20

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

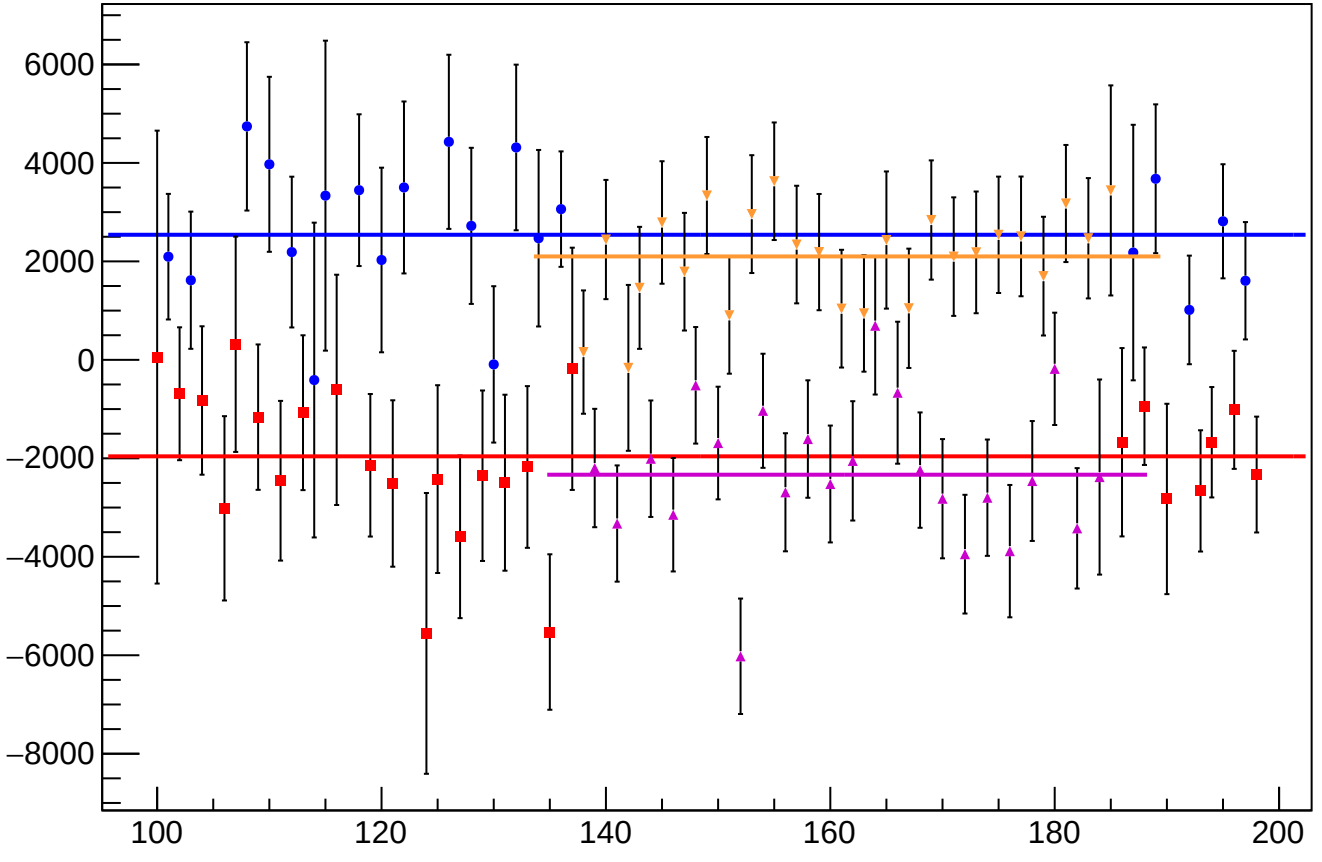
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1578.410+/-0.211 χ^2/NDF: 3261104.6/45

All: 1596.445+/-0.150 χ^2/NDF: 7416361.1/94

- sign 1614.967+/-0.214 χ^2/NDF: 4140415.3/48

cor_asym_usr_mean vs Slug



Right In: 2540.681+/-336.895 χ^2/NDF: 12.9/20

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1959.699+/-312.354 χ^2/NDF: 14.7/25

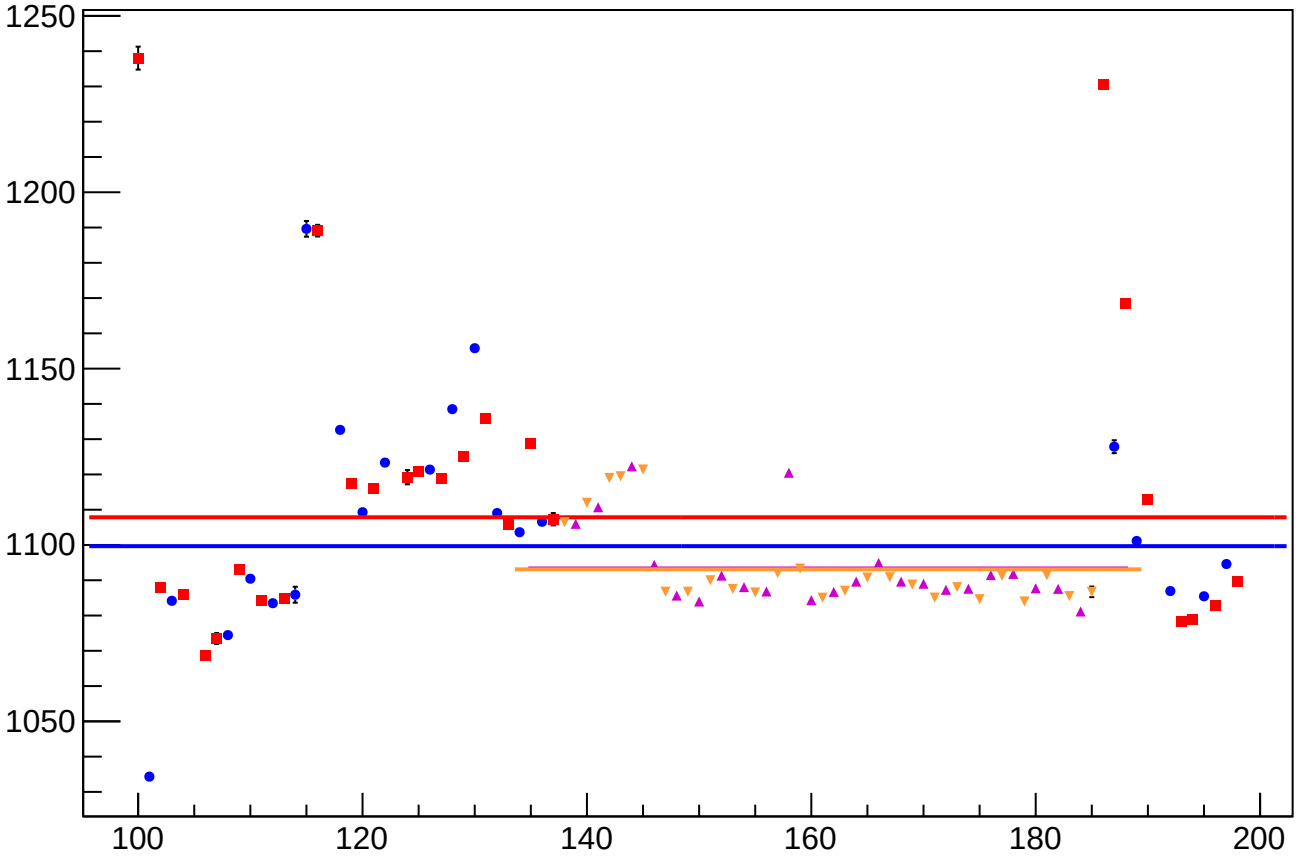
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2255.382+/-199.881 χ^2/NDF: 27.9/45

All: 11.212+/-140.547 χ^2/NDF: 322.2/94

- sign -2183.478+/-197.665 χ^2/NDF: 45.0/48

cor_asym_usr_rms vs Slug



Right In: 1099.666+/-0.238 χ^2/NDF: 14196.1/20

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

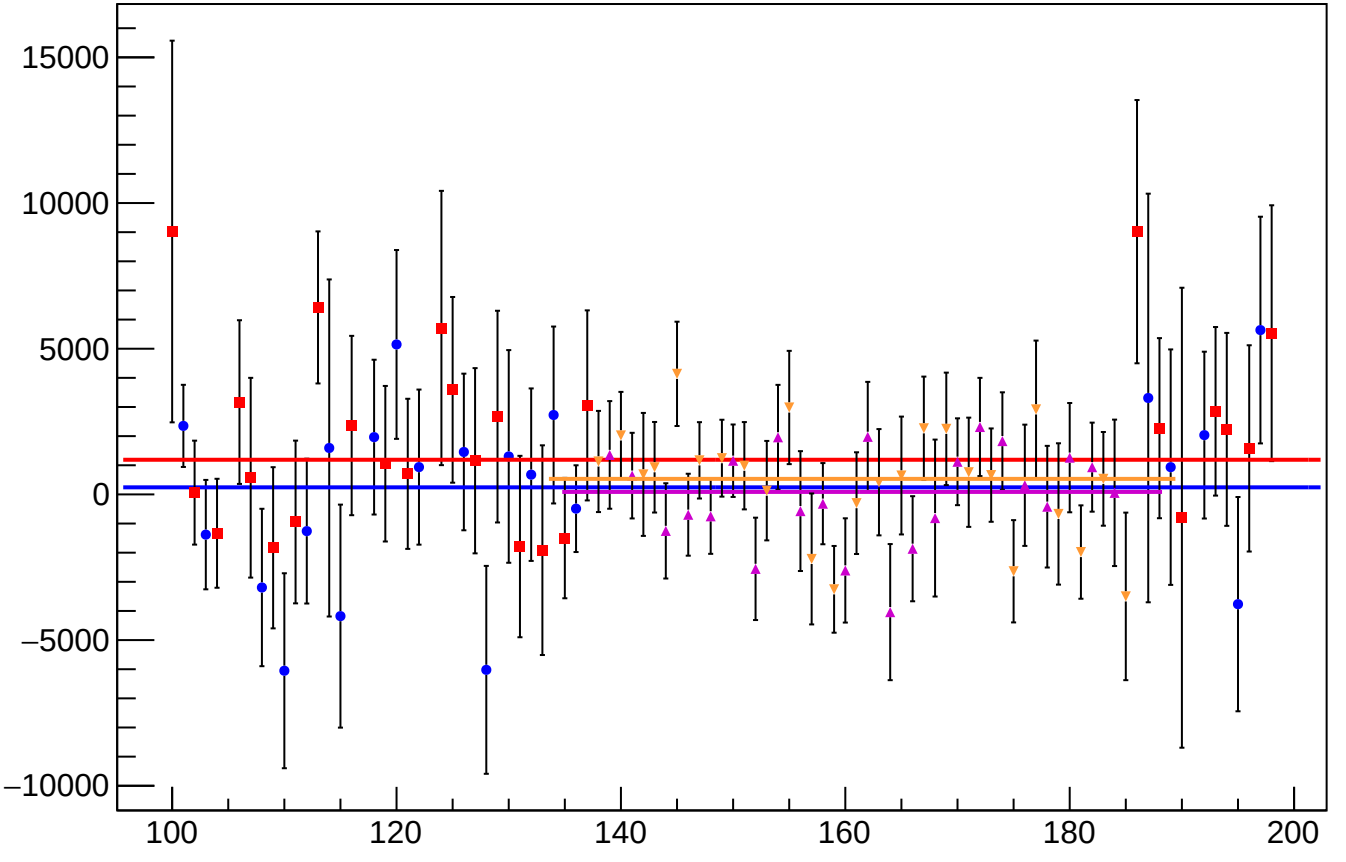
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.413+/-0.141 χ^2/NDF: 18671.2/45

All: 1097.303+/-0.099 χ^2/NDF: 51253.7/94

- sign 1099.151+/-0.140 χ^2/NDF: 32228.9/48

asym_usr_cor_correction_mean vs Slug



Right In: 242.534+/-581.125 χ^2/NDF: 20.7/20

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1189.000+/-579.589 χ^2/NDF: 20.1/25

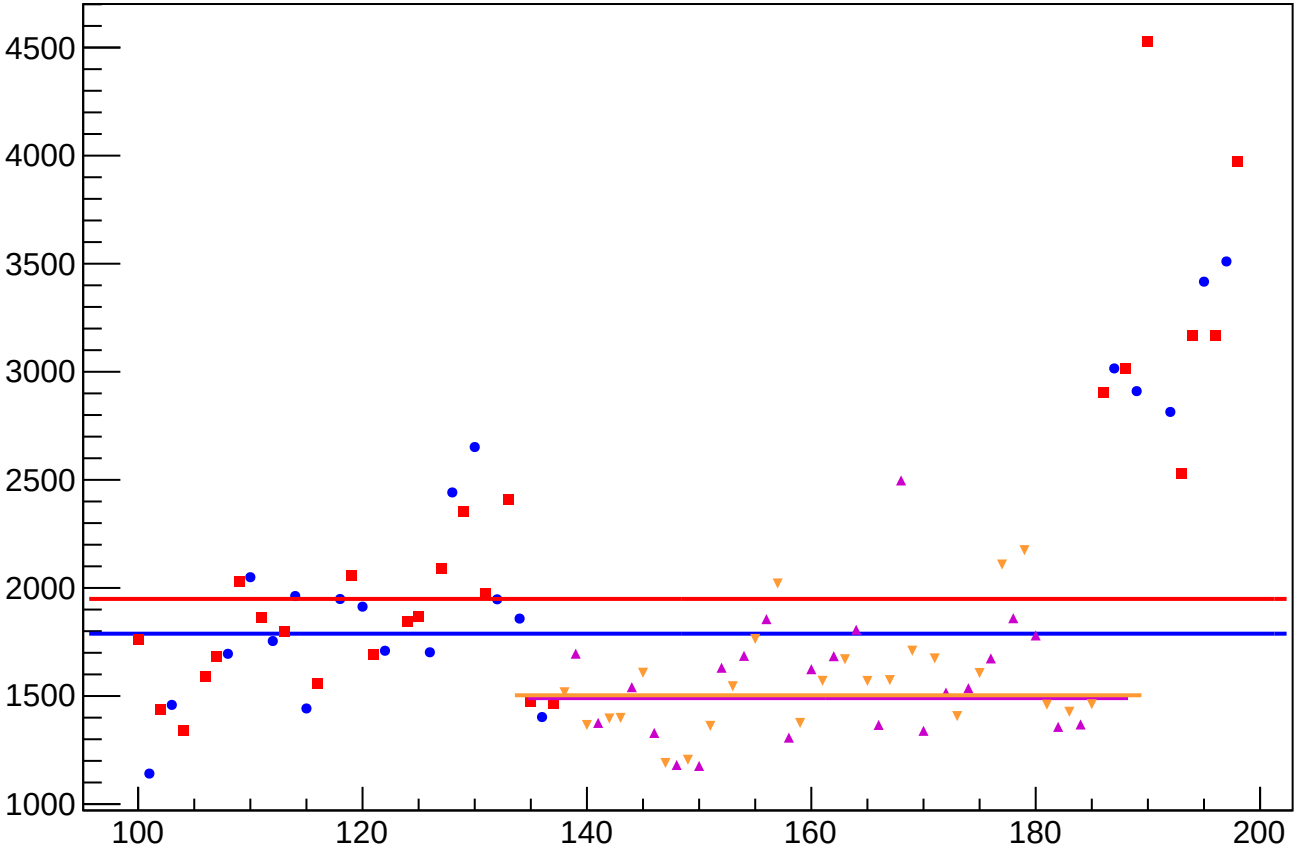
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 456.570+/-298.069 χ^2/NDF: 47.3/45

All: 421.315+/-212.165 χ^2/NDF: 88.2/94

- sign 385.108+/-302.065 χ^2/NDF: 40.8/48

asym_usr_cor_correction_rms vs Slug



Right In: 1788.415+/-0.411 χ^2/NDF: 2107002.7/20

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

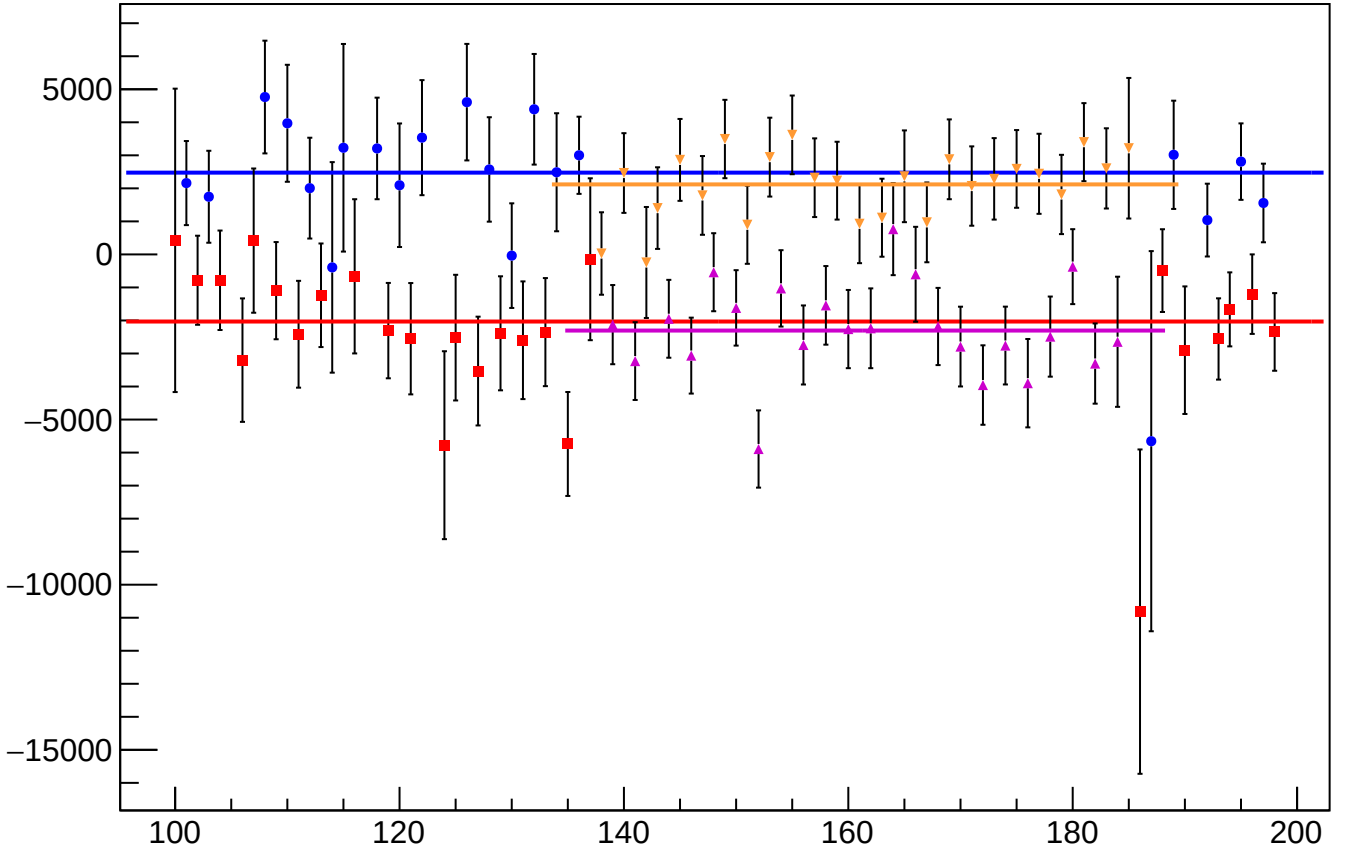
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1578.410+/-0.211 χ^2/NDF: 3261104.6/45

All: 1596.445+/-0.150 χ^2/NDF: 7416361.1/94

- sign 1614.967+/-0.214 χ^2/NDF: 4140415.3/48

overload_cor_asym_usr_mean vs Slug



Right In: 2476.072+/-339.758 χ^2/NDF: 14.4/20

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2031.910+/-316.515 χ^2/NDF: 19.4/25

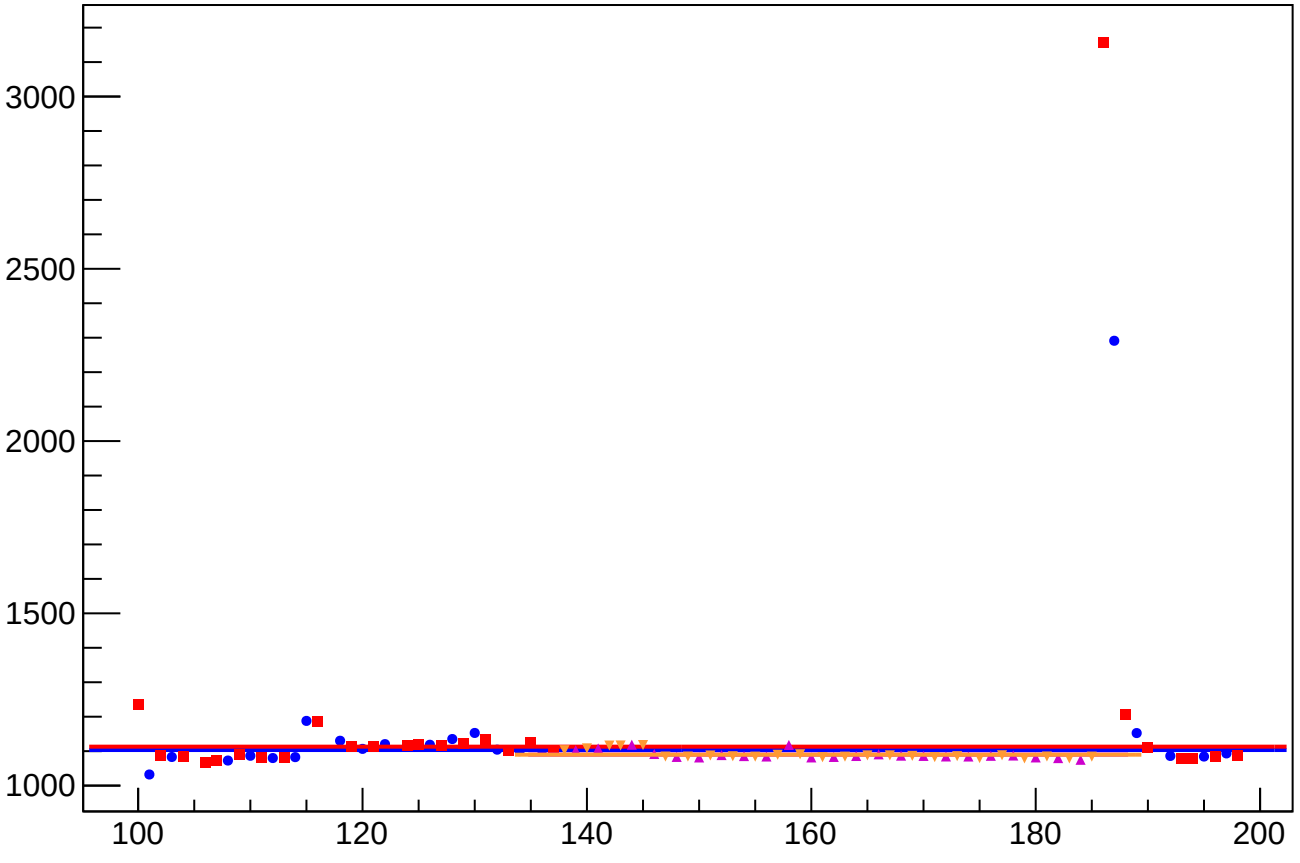
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2243.455+/-200.072 χ^2/NDF: 30.3/45

All: 3.357+/-140.854 χ^2/NDF: 327.1/94

- sign -2198.019+/-198.335 χ^2/NDF: 48.3/48

overload_cor_asym_usr_rms vs Slug



Right In: 1103.267+/-0.240 χ^2/NDF: 101373.8/20

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1113.048+/-0.224 χ^2/NDF: 372104.3/25

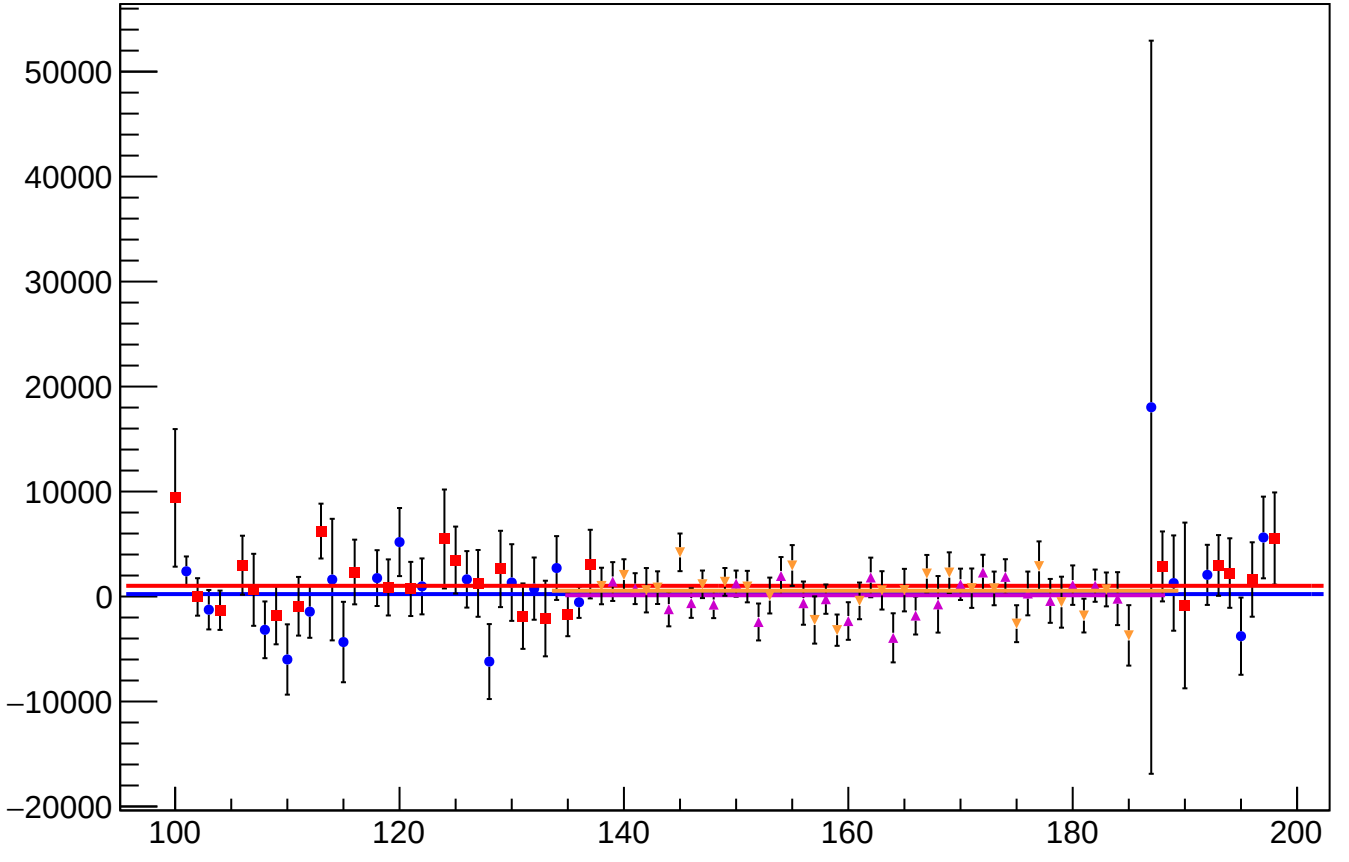
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1094.433+/-0.141 χ^2/NDF: 107501.1/45

All: 1096.751+/-0.100 χ^2/NDF: 490494.3/94

- sign 1099.028+/-0.140 χ^2/NDF: 382461.1/48

asym_usr_overload_cor_correction_mean vs Slug



Right In: 231.142+/-584.979 χ^2/NDF: 21.1/20

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 1020.381+/-586.398 χ^2/NDF: 17.2/24

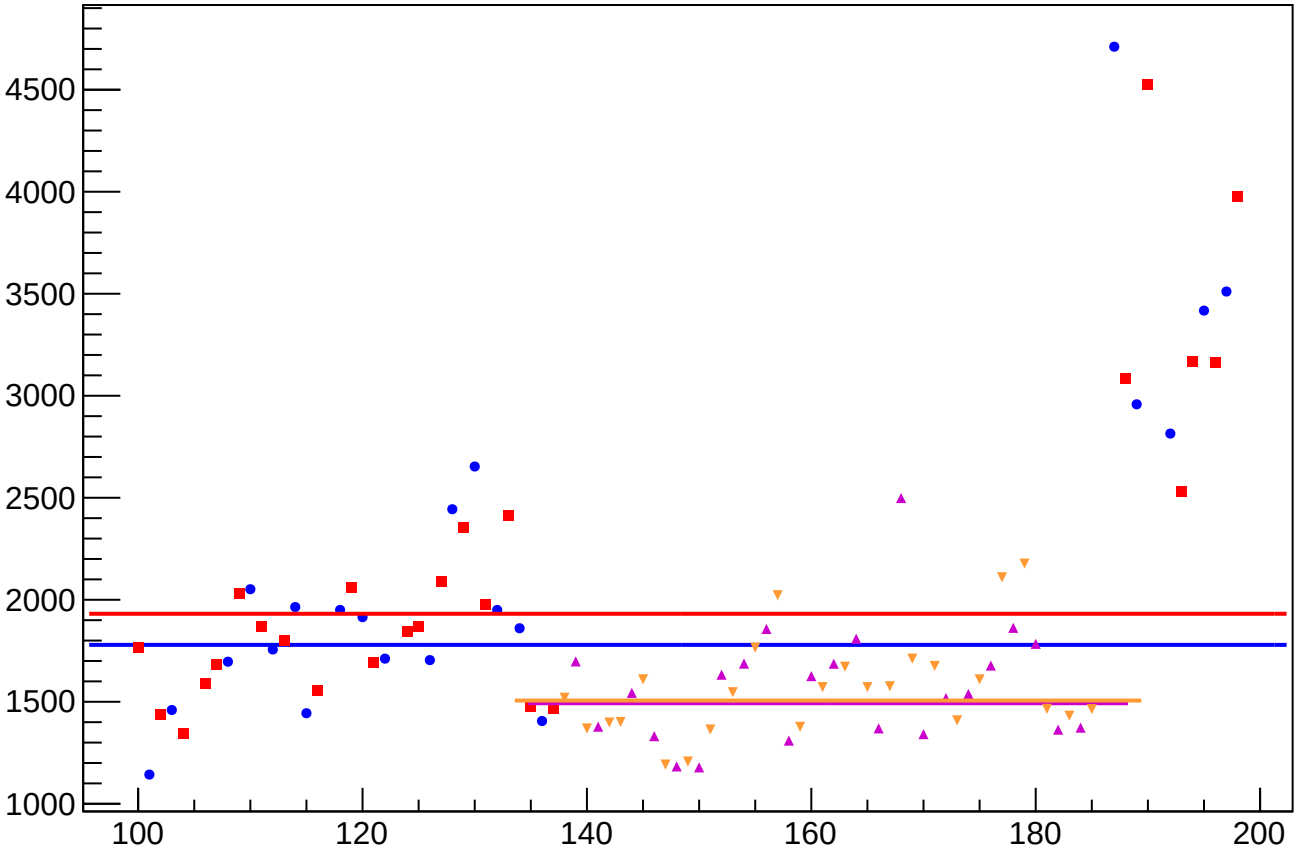
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 469.497+/-298.960 χ^2/NDF: 47.5/45

All: 416.573+/-212.948 χ^2/NDF: 83.6/93

- sign 362.067+/-303.397 χ^2/NDF: 36.0/47

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1778.947+/-0.414 χ^2/NDF: 2031950.9/20

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1931.405+/-0.415 χ^2/NDF: 2152768.2/24

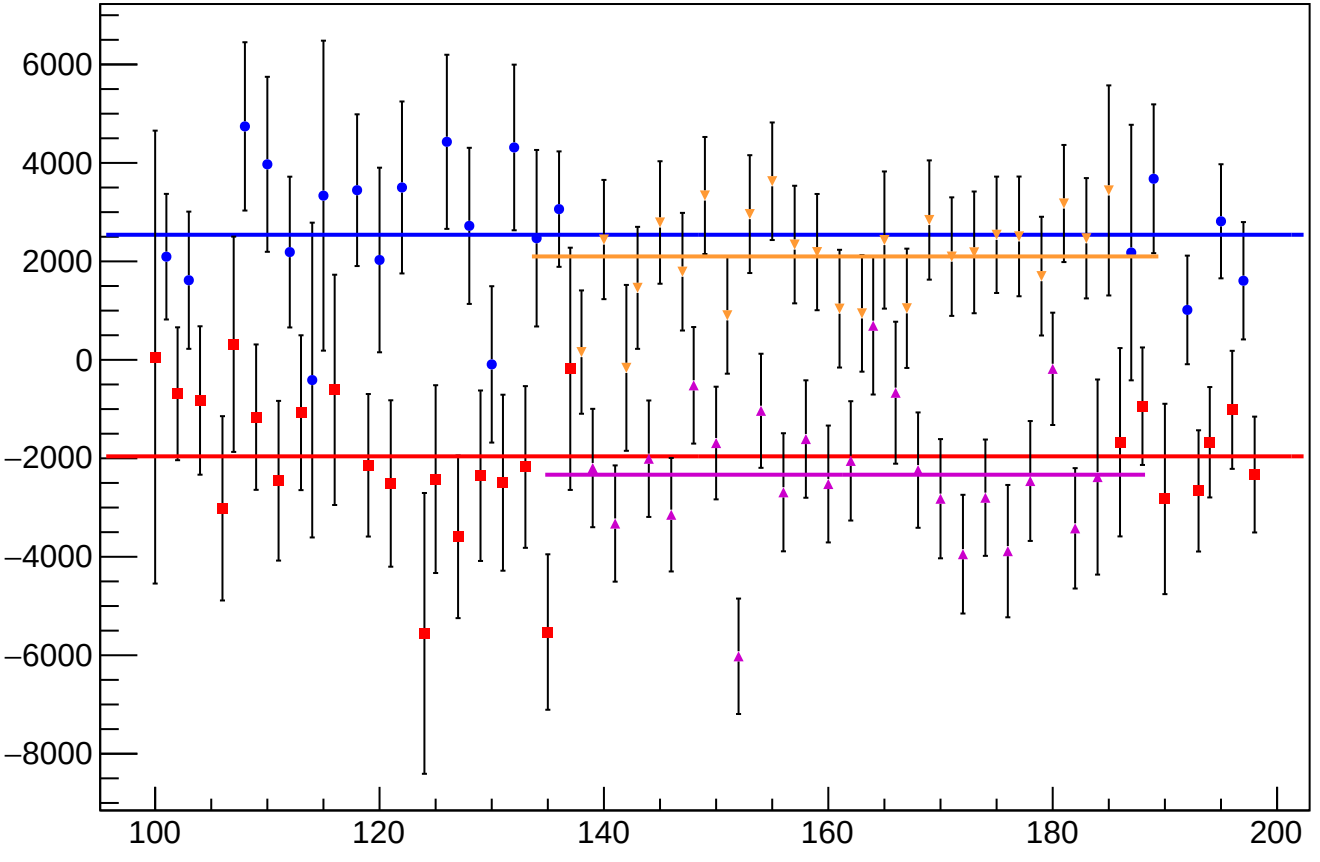
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1577.366+/-0.211 χ^2/NDF: 3149804.8/45

All: 1593.610+/-0.151 χ^2/NDF: 7097640.0/93

- sign 1610.341+/-0.215 χ^2/NDF: 3935848.2/47

eigen_cor_asym_usr_mean vs Slug



Right In: 2540.681+/-336.895 χ^2/NDF: 12.9/20

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1959.699+/-312.354 χ^2/NDF: 14.7/25

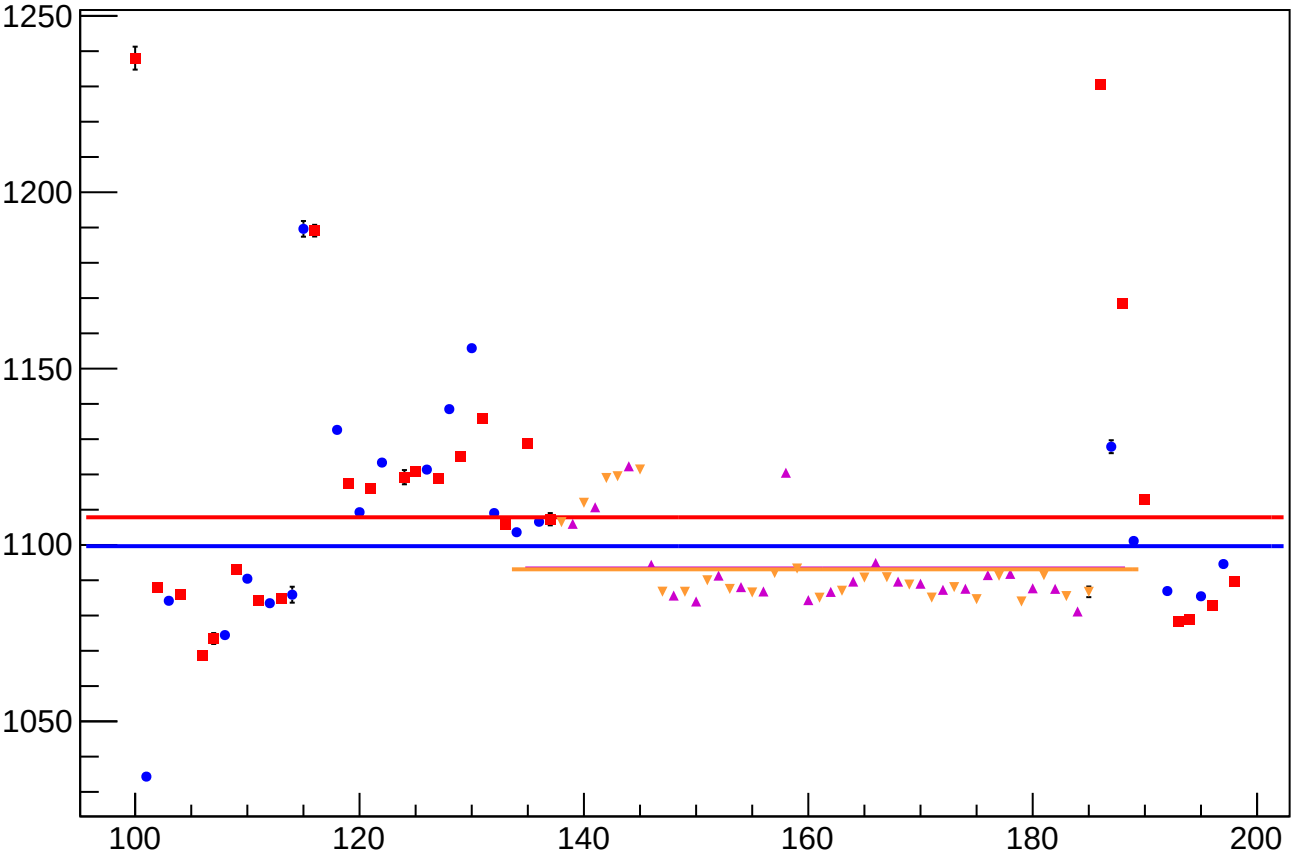
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2255.382+/-199.881 χ^2/NDF: 27.9/45

All: 11.212+/-140.547 χ^2/NDF: 322.2/94

- sign -2183.478+/-197.665 χ^2/NDF: 45.0/48

eigen_cor_asym_usr_rms vs Slug



Right In: 1099.666+/-0.238 χ^2/NDF: 14196.1/20

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

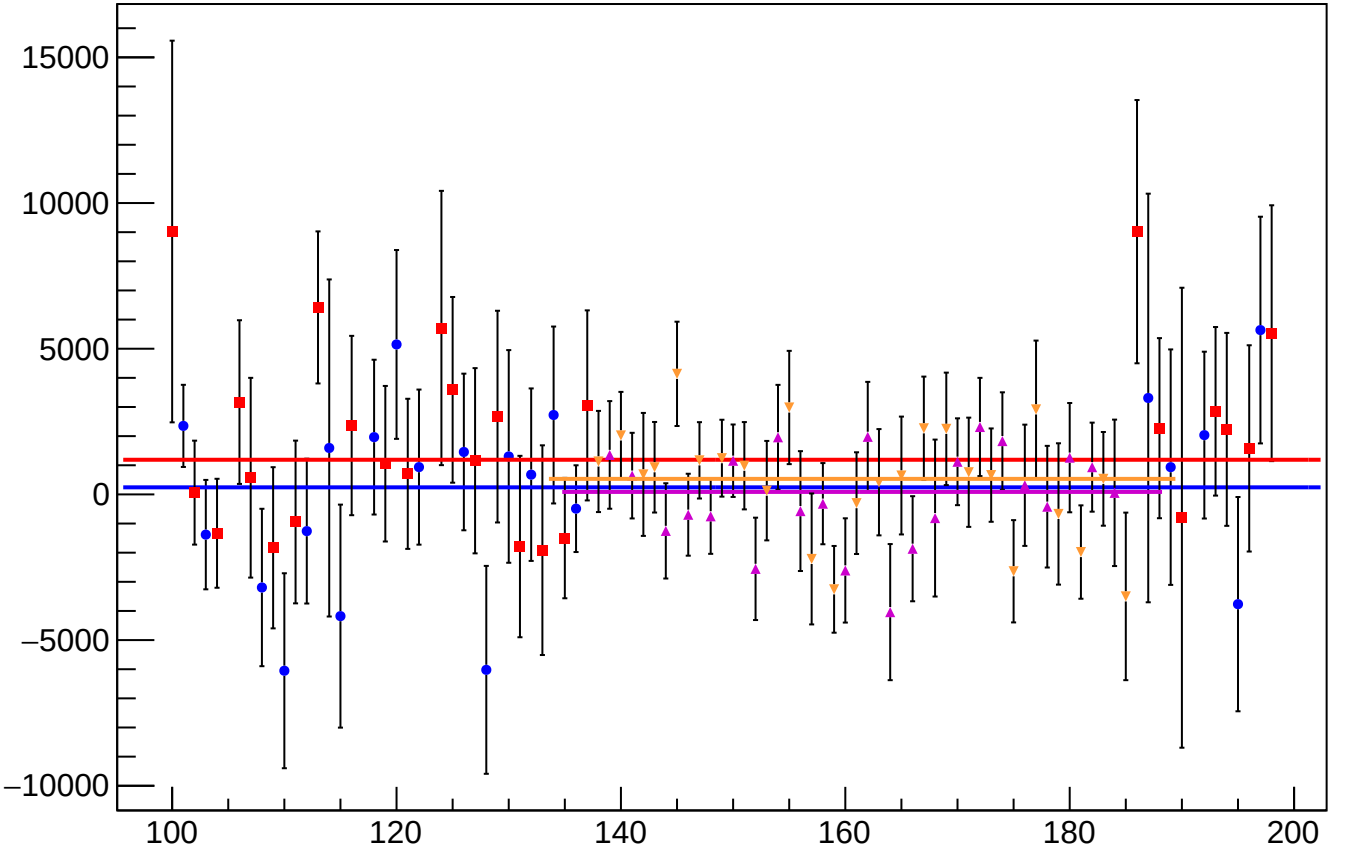
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.413+/-0.141 χ^2/NDF: 18671.2/45

All: 1097.303+/-0.099 χ^2/NDF: 51253.7/94

- sign 1099.151+/-0.140 χ^2/NDF: 32228.9/48

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 242.534+/-581.125 χ^2/NDF: 20.7/20

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1189.000+/-579.589 χ^2/NDF: 20.1/25

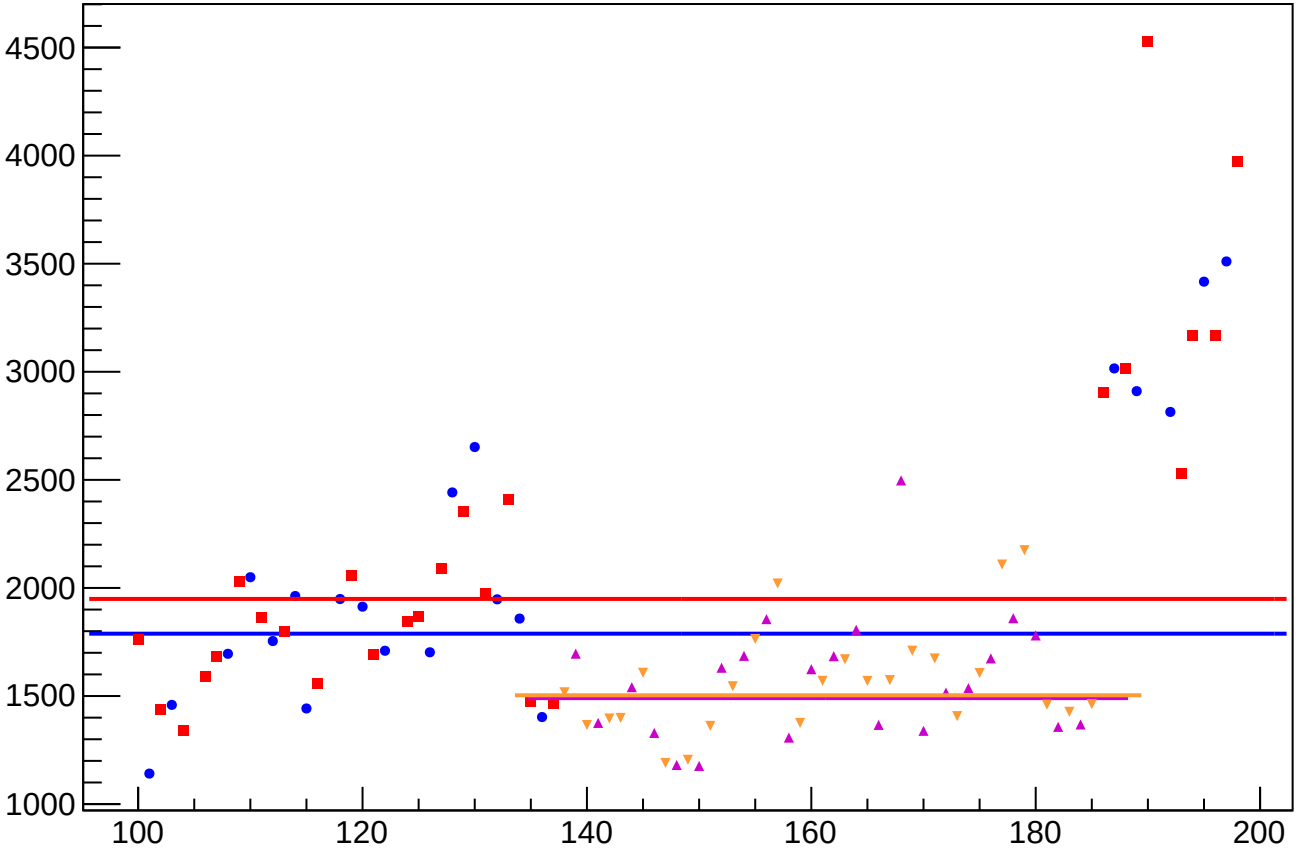
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 456.570+/-298.069 χ^2/NDF: 47.3/45

All: 421.315+/-212.165 χ^2/NDF: 88.2/94

- sign 385.108+/-302.065 χ^2/NDF: 40.8/48

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1788.415+/-0.411 χ^2/NDF: 2107002.7/20

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

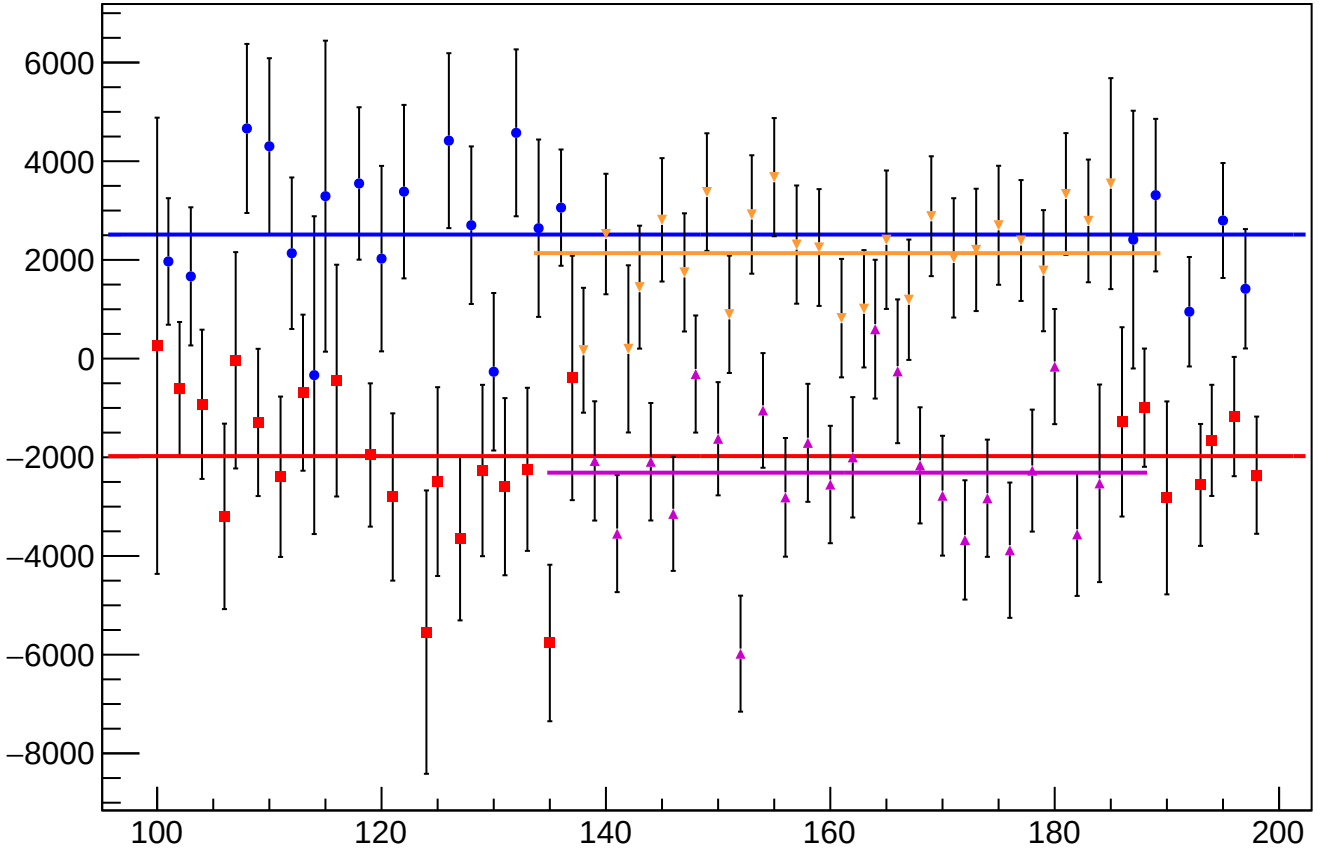
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1578.410+/-0.211 χ^2/NDF: 3261104.6/45

All: 1596.445+/-0.150 χ^2/NDF: 7416361.1/94

- sign 1614.967+/-0.214 χ^2/NDF: 4140415.3/48

dit_asym_usr_mean vs Slug



Right In: 2513.849+/-338.997 χ^2/NDF: 13.8/20

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -1975.899+/-313.948 χ^2/NDF: 15.3/25

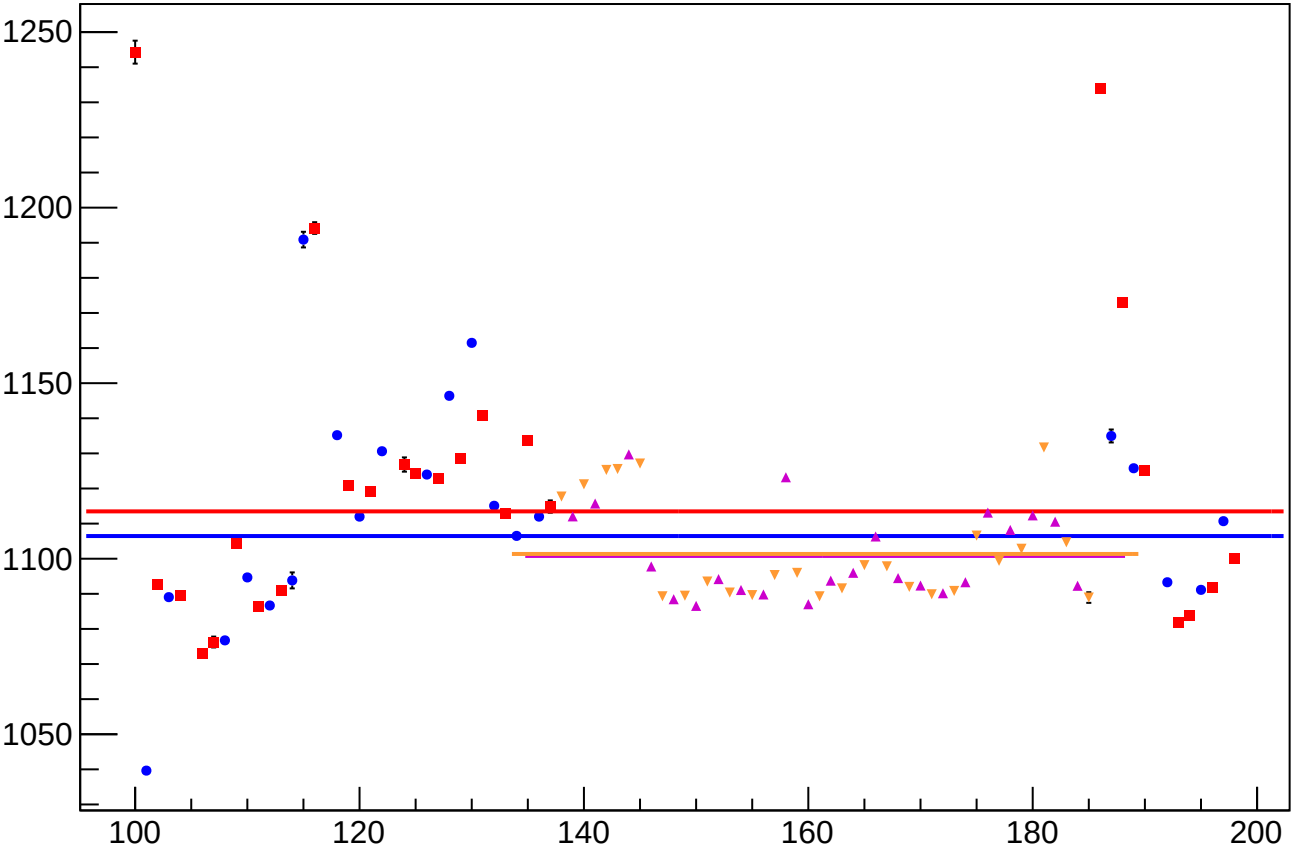
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2270.007+/-201.305 χ^2/NDF: 28.6/45

All: 19.589+/-141.480 χ^2/NDF: 321.5/94

- sign -2176.977+/-198.882 χ^2/NDF: 45.9/48

dit_asym_usr_rms vs Slug



Right In: 1106.457+/-0.240 χ^2/NDF: 14439.3/20

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1113.481+/-0.222 χ^2/NDF: 25178.7/25

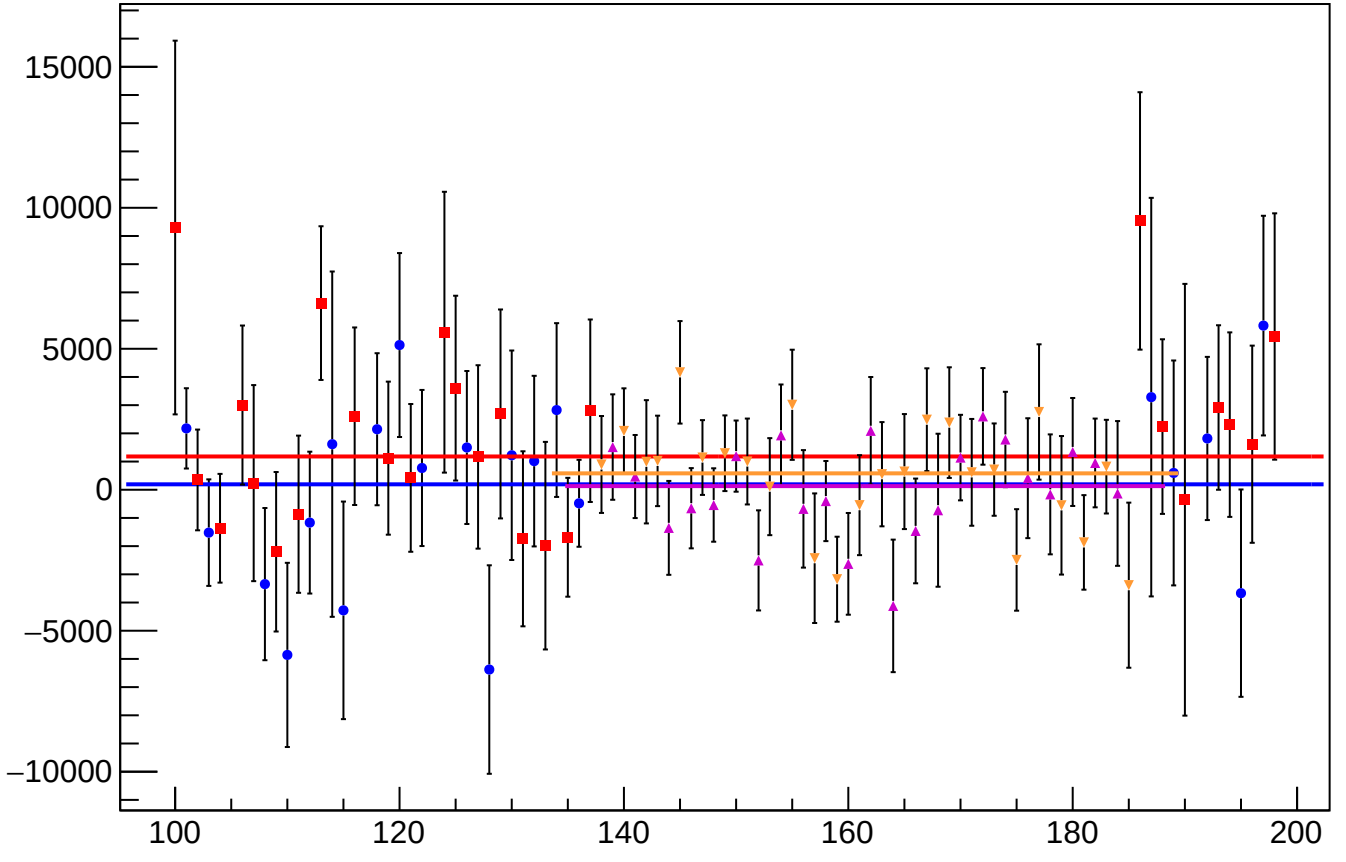
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.153+/-0.142 χ^2/NDF: 20683.4/45

All: 1104.535+/-0.100 χ^2/NDF: 52646.1/94

- sign 1105.885+/-0.141 χ^2/NDF: 31776.3/48

asym_usr_dit_correction_mean vs Slug



Right In: 192.542+/-589.535 χ^2/NDF: 20.6/20

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1180.216+/-587.480 χ^2/NDF: 20.4/25

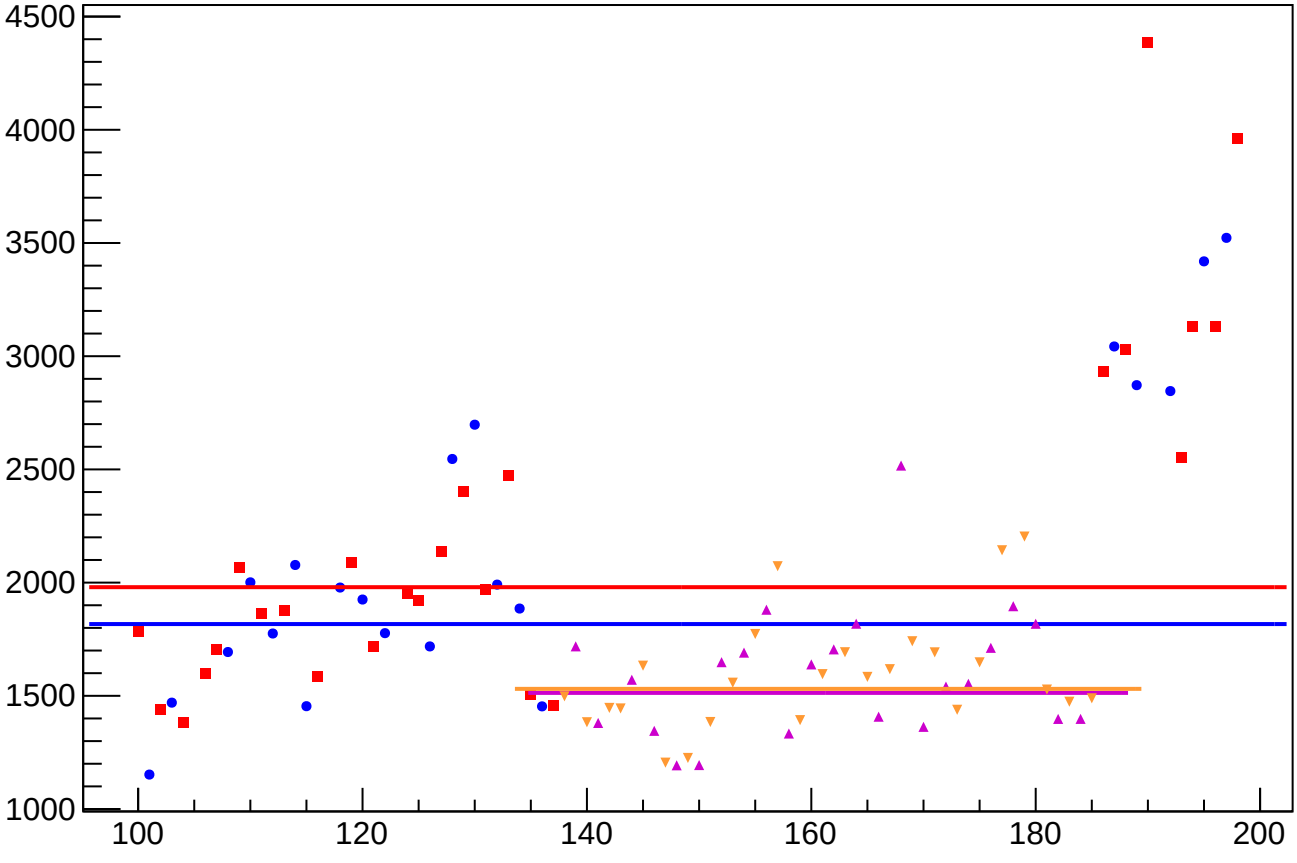
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 478.629+/-303.104 χ^2/NDF: 46.3/45

All: 447.060+/-215.487 χ^2/NDF: 86.9/94

- sign 414.799+/-306.412 χ^2/NDF: 40.5/48

asym_usr_dit_correction_rms vs Slug



Right In: 1816.940+/-0.417 χ^2/NDF: 2073530.3/20

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1979.861+/-0.415 χ^2/NDF: 2175860.2/25

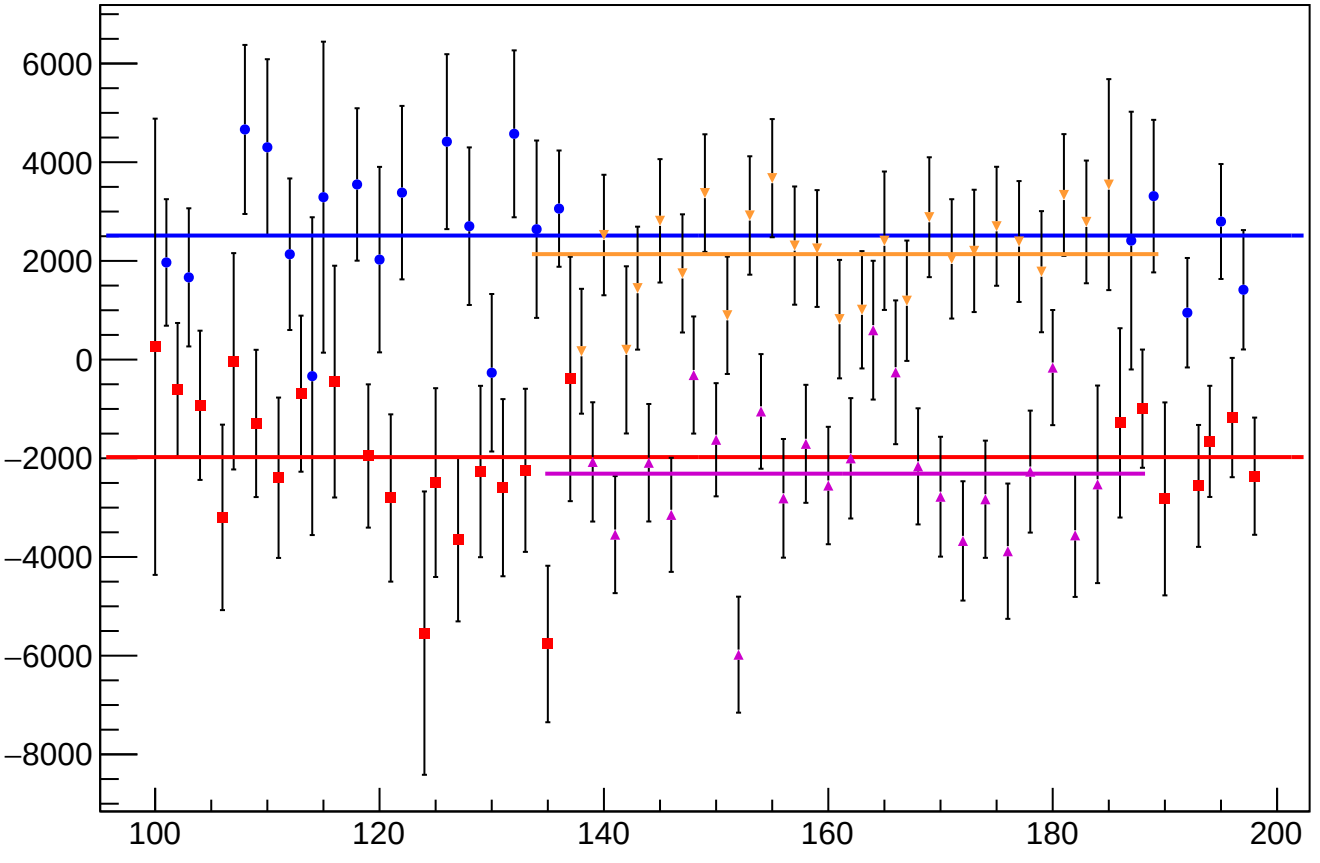
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1606.412+/-0.214 χ^2/NDF: 3215865.0/45

All: 1623.006+/-0.152 χ^2/NDF: 7280568.9/94

- sign 1639.964+/-0.217 χ^2/NDF: 4052583.8/48

eigen_dit_asym_usr_mean vs Slug



Right In: 2513.845+/-338.997 χ^2/NDF: 13.8/20

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -1975.899+/-313.947 χ^2/NDF: 15.3/25

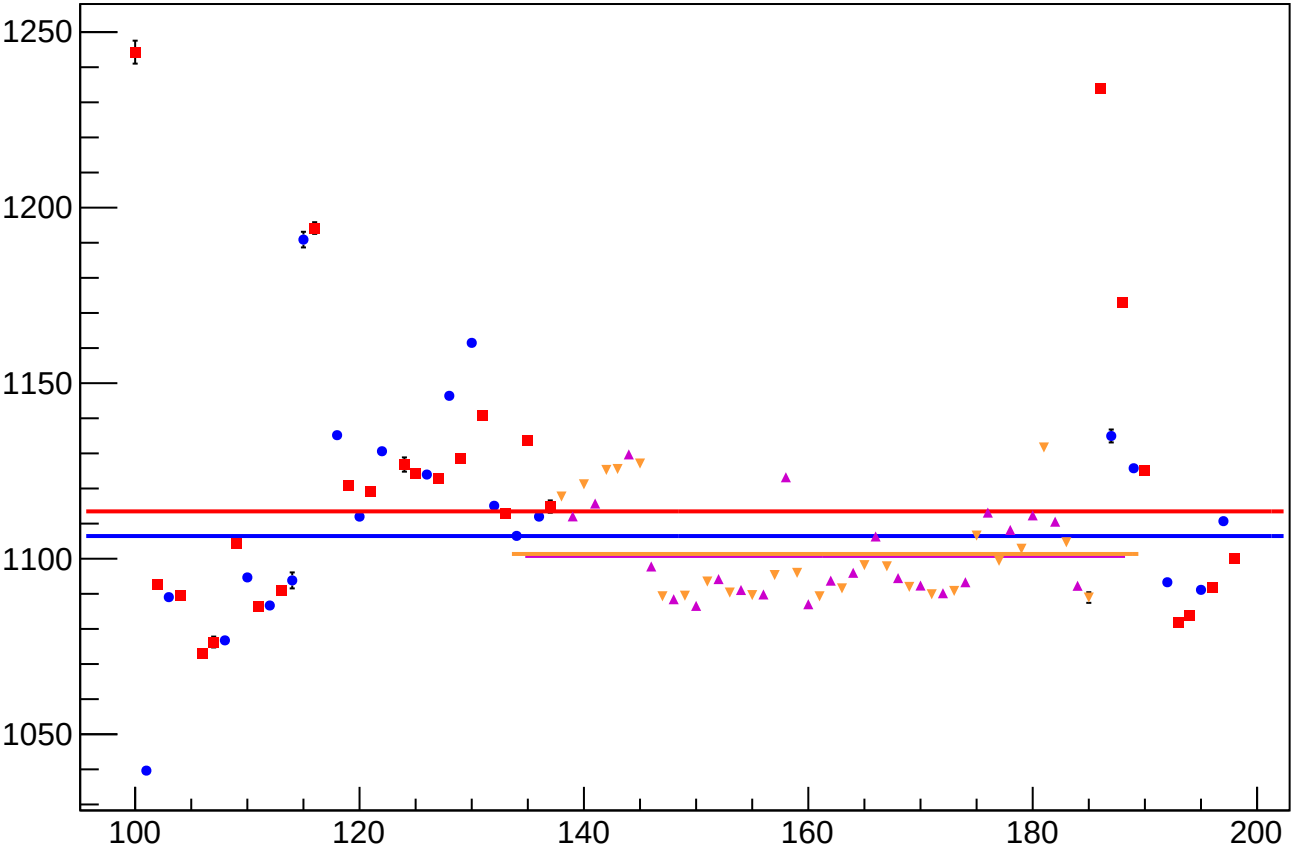
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2270.004+/-201.305 χ^2/NDF: 28.6/45

All: 19.588+/-141.480 χ^2/NDF: 321.5/94

- sign -2176.977+/-198.882 χ^2/NDF: 45.9/48

eigen_dit_asym_usr_rms vs Slug



Right In: 1106.457+/-0.240 χ^2/NDF: 14439.3/20

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

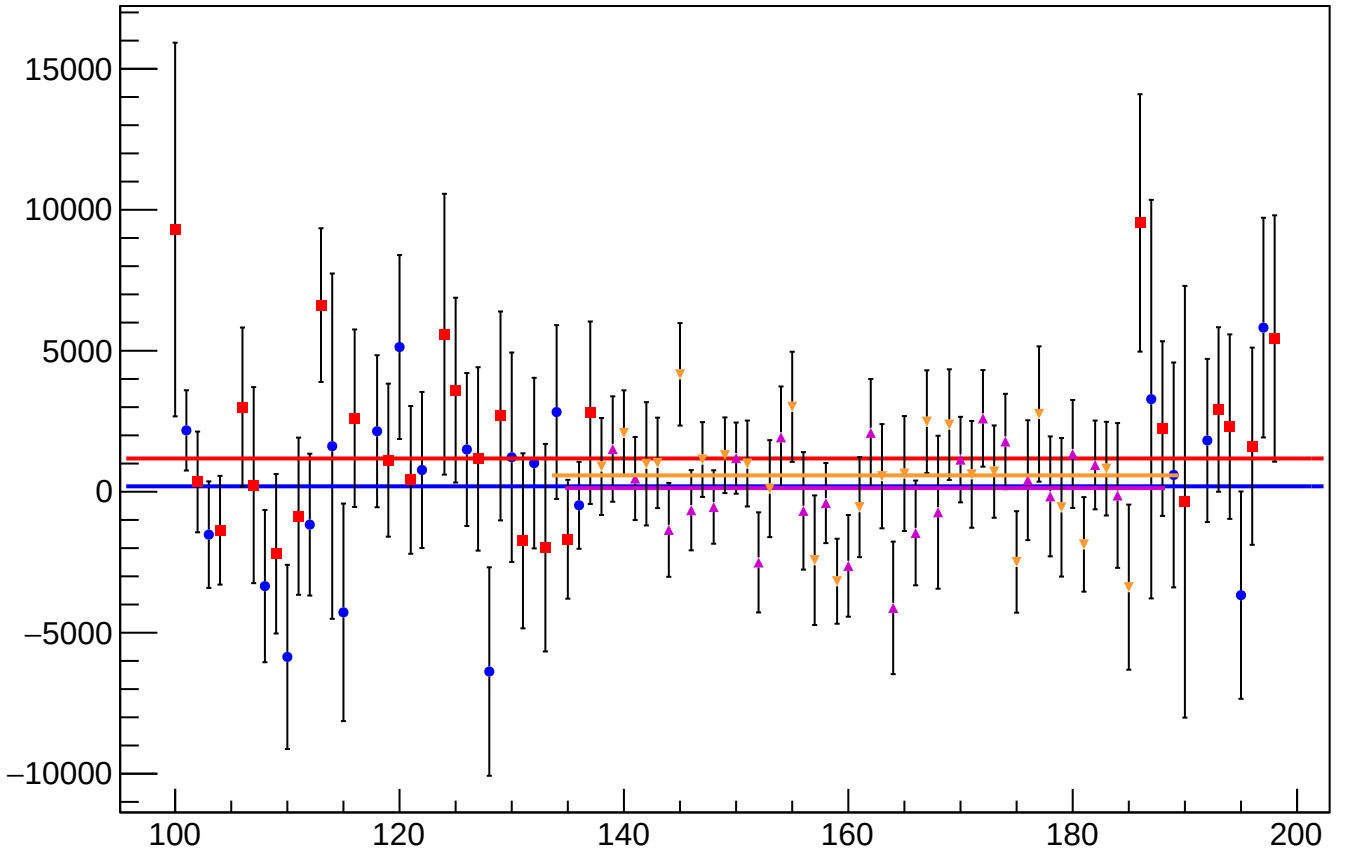
Right Out: 1113.481+/-0.222 χ^2/NDF: 25178.7/25

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.153+/-0.142 χ^2/NDF: 20683.3/45

All: 1104.535+/-0.100 χ^2/NDF: 52645.9/94

- sign 1105.884+/-0.141 χ^2/NDF: 31776.3/48



Right In: 192.538+/-589.534 χ^2/NDF: 20.6/20

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1180.217+/-587.479 χ^2/NDF: 20.4/25

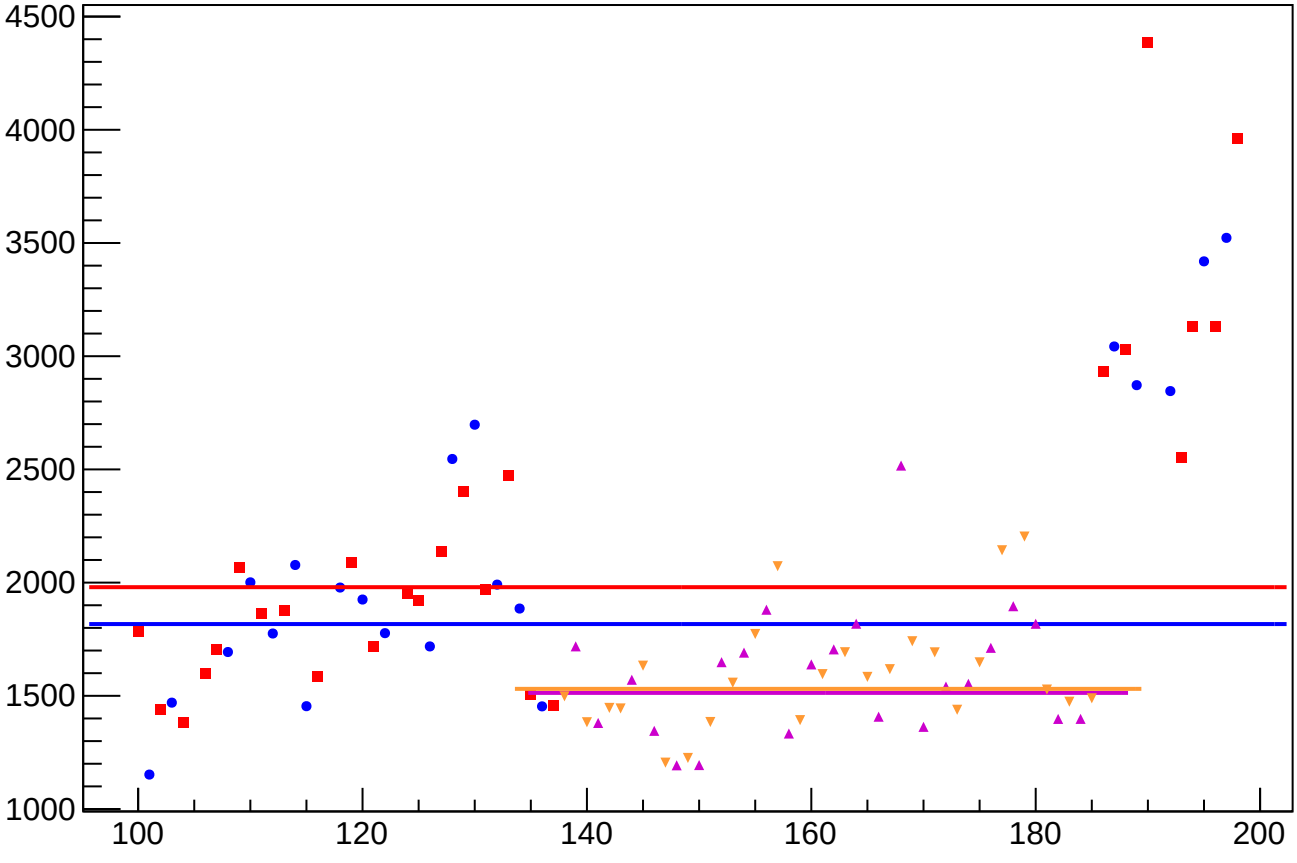
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 478.627+/-303.104 χ^2/NDF: 46.3/45

All: 447.060+/-215.487 χ^2/NDF: 86.9/94

- sign 414.801+/-306.412 χ^2/NDF: 40.5/48

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1816.938+/-0.417 χ^2/NDF: 2073519.6/20

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

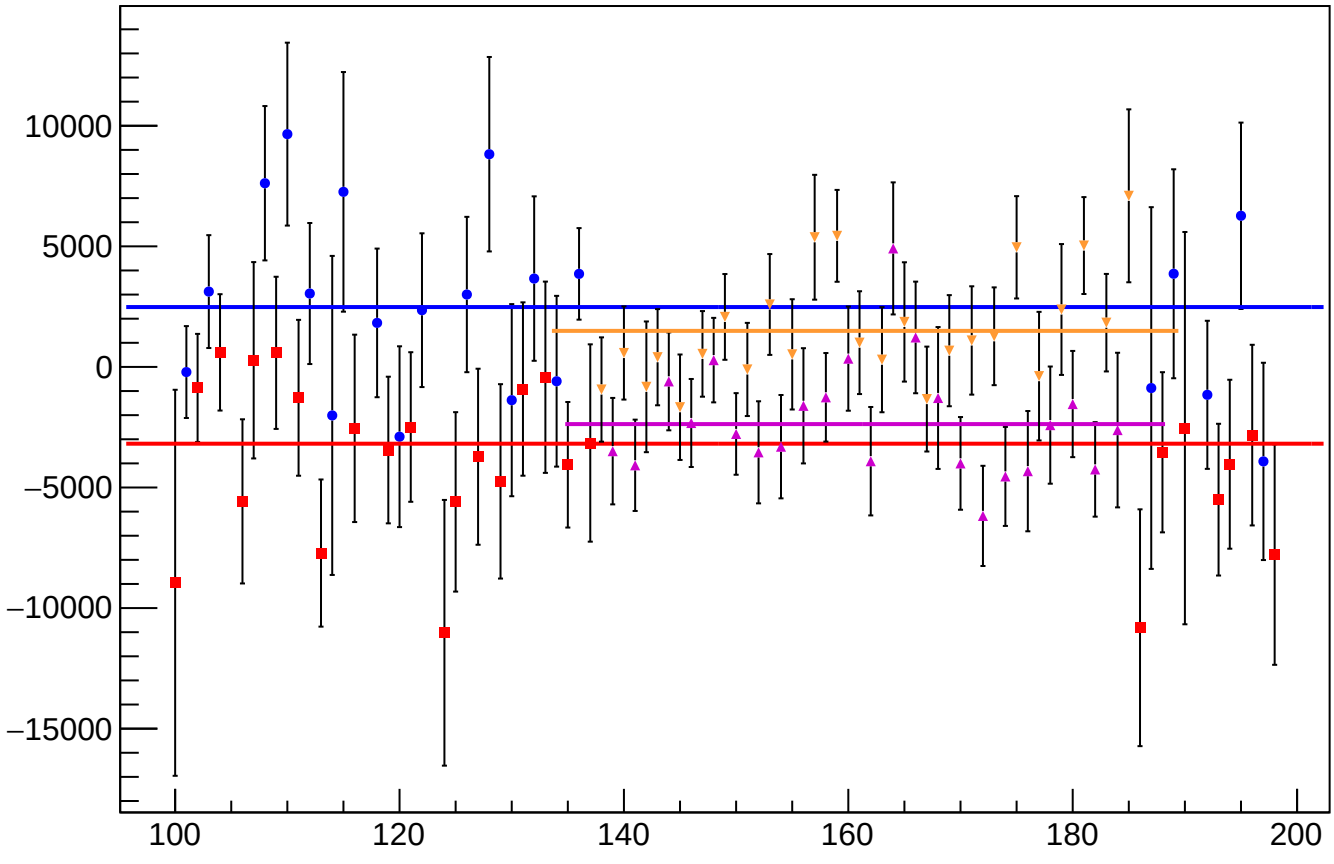
Right Out: 1979.860+/-0.415 χ^2/NDF: 2175848.4/25

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1606.415+/-0.214 χ^2/NDF: 3215843.3/45

All: 1623.009+/-0.152 χ^2/NDF: 7280519.7/94

- sign 1639.967+/-0.217 χ^2/NDF: 4052556.2/48



Right In: 2482.614+/-698.704 χ^2/NDF: 21.7/20

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3183.644+/-681.316 χ^2/NDF: 17.0/25

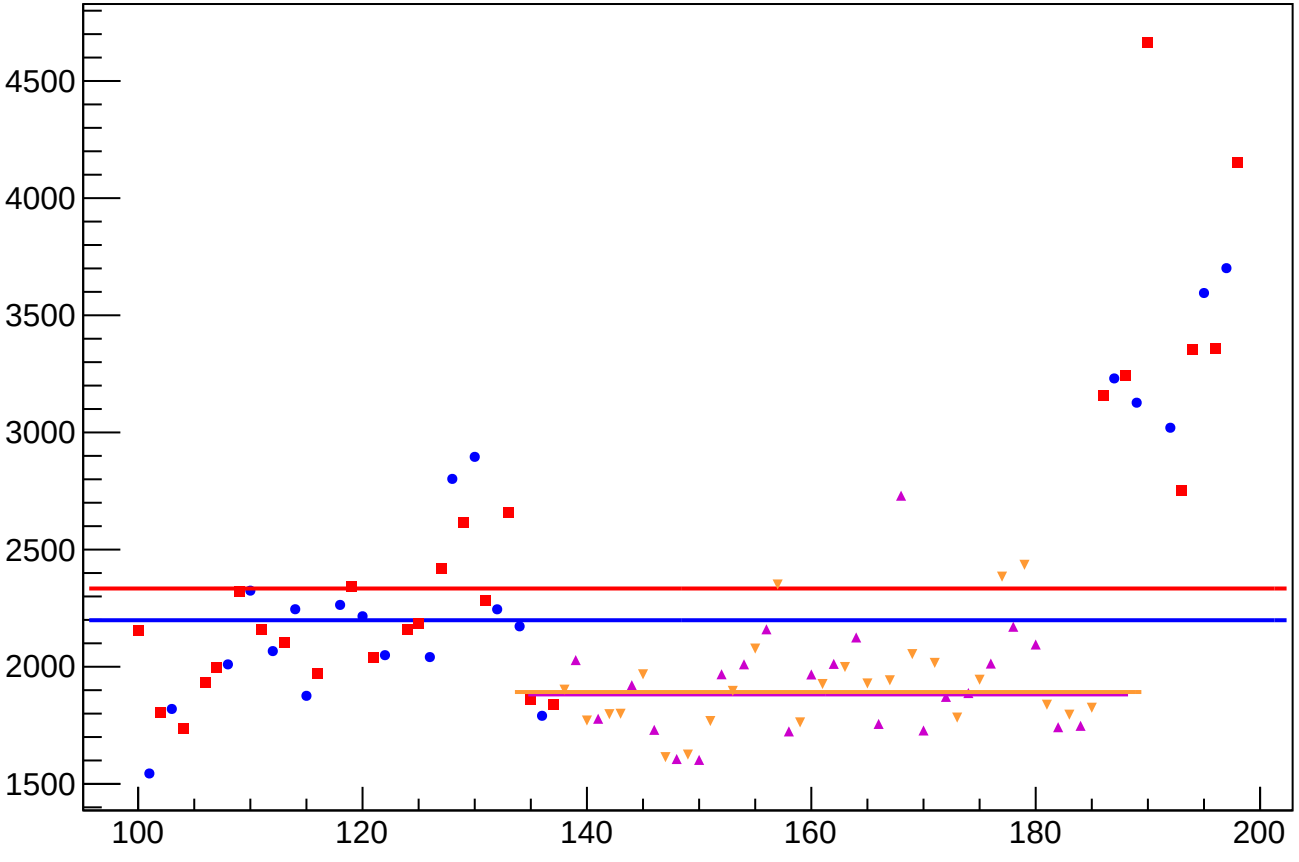
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1769.241+/-368.175 χ^2/NDF: 46.9/45

All: -402.581+/-261.460 χ^2/NDF: 158.8/94

- sign -2612.224+/-371.366 χ^2/NDF: 41.7/48

asym_usr_rms vs Slug



Right In: 2198.537+/-0.494 χ^2/NDF: 1322755.7/20

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2333.963+/-0.482 χ^2/NDF: 1496916.6/25

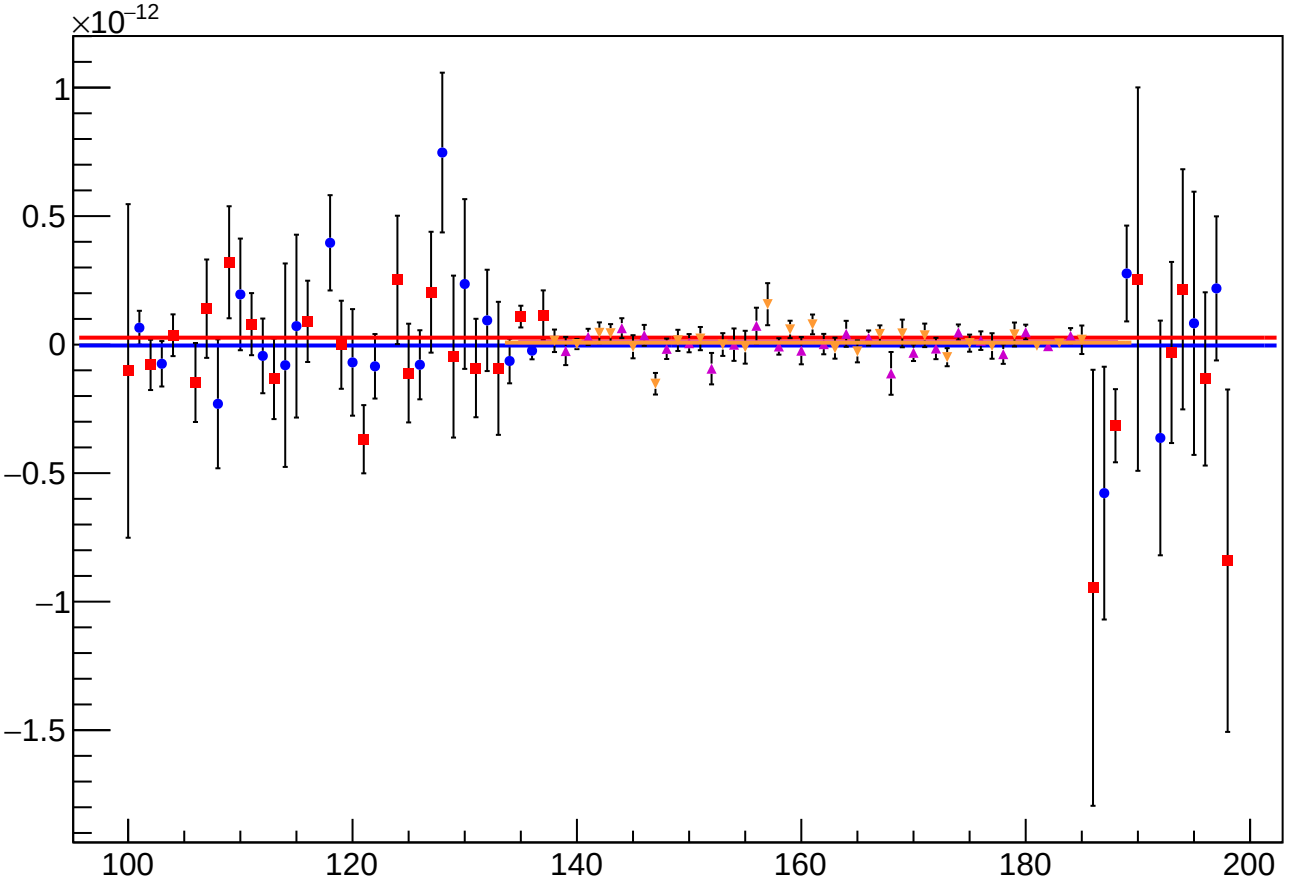
Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1977.199+/-0.260 χ^2/NDF: 1990258.1/45

All: 1996.533+/-0.185 χ^2/NDF: 4579887.4/94

- sign 2016.204+/-0.263 χ^2/NDF: 2578502.6/48

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/25

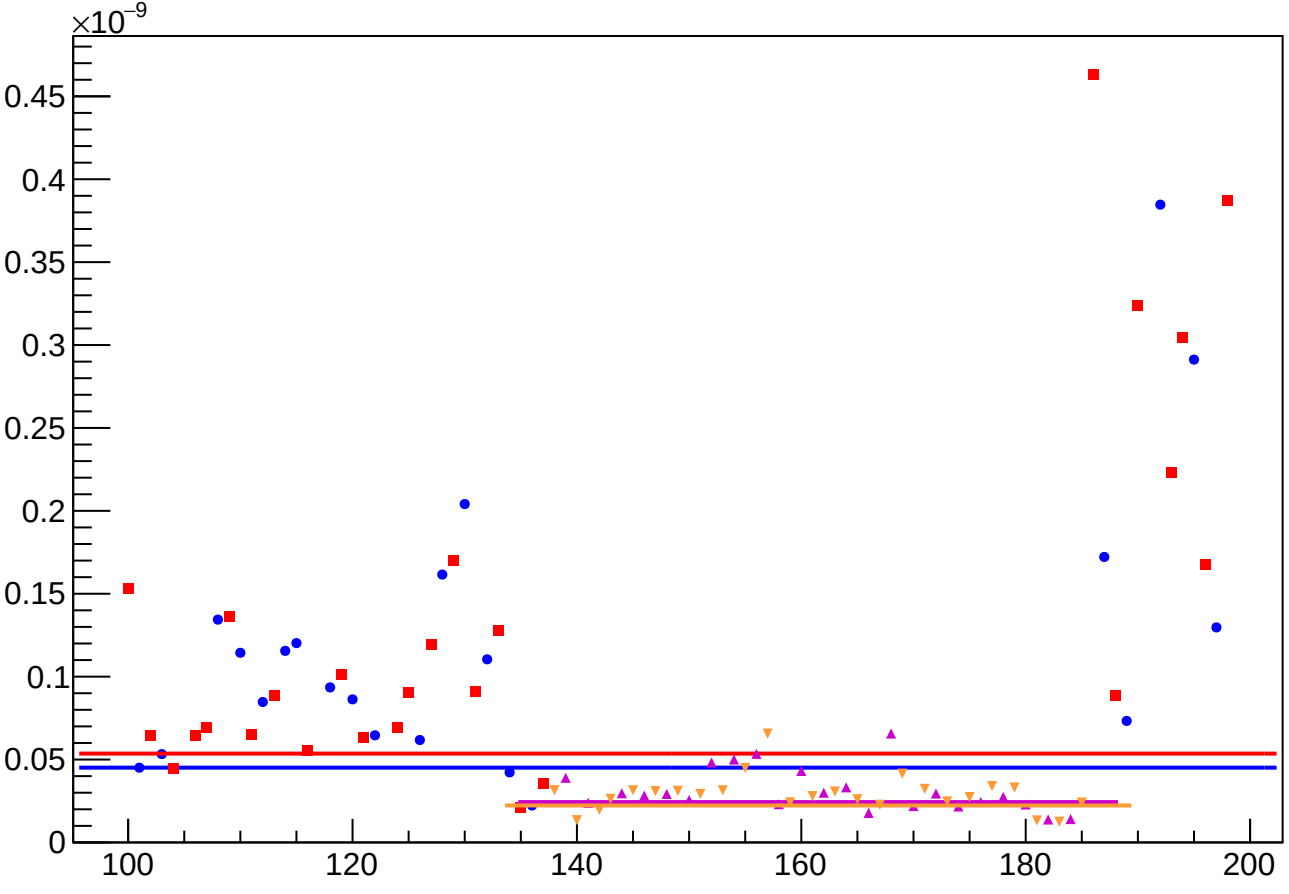
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/45

All: 0.000+/-0.000 χ^2/NDF: 105.0/94

- sign 0.000+/-0.000 χ^2/NDF: 50.9/48

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4892467.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5300283.9/25

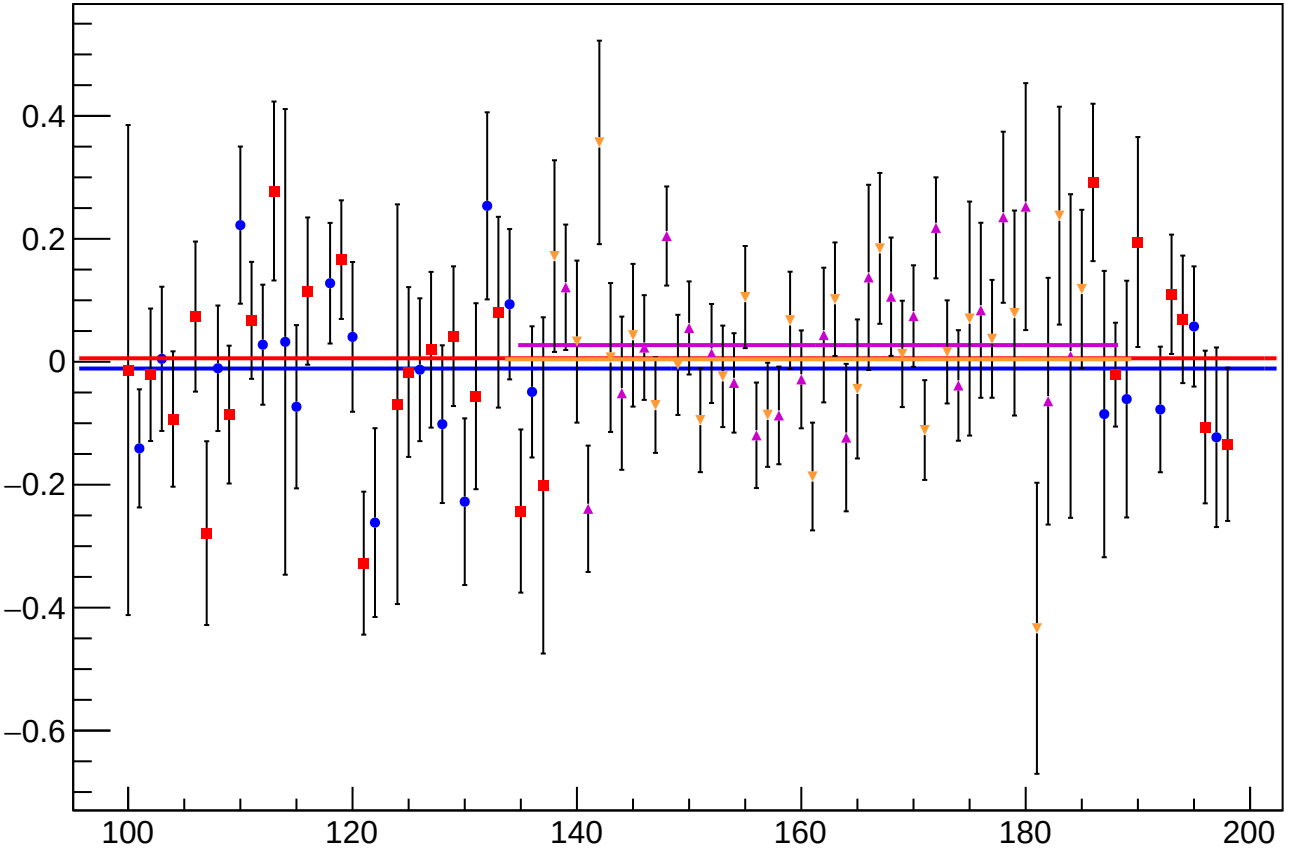
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10203039.6/45

All: 0.000+/-0.000 χ^2/NDF: 21045744.2/94

- sign 0.000+/-0.000 χ^2/NDF: 10712742.2/48

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.006+/-0.024 χ^2/NDF: 35.8/25

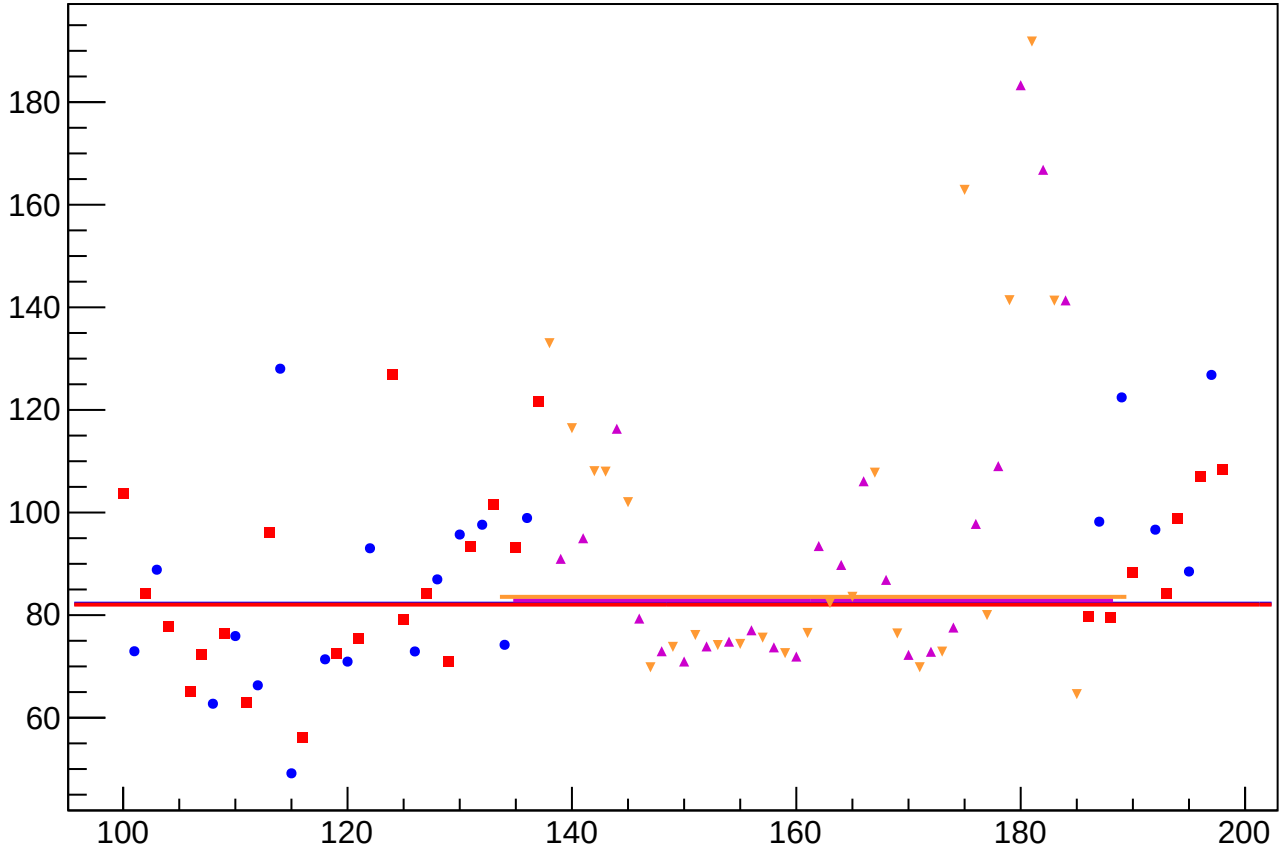
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.001+/-0.016 χ^2/NDF: 47.4/45

All: 0.009+/-0.011 χ^2/NDF: 116.3/94

- sign 0.018+/-0.016 χ^2/NDF: 68.2/48

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 82.232+/-0.019 χ^2/NDF: 805163.2/20

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 82.054+/-0.017 χ^2/NDF: 664634.6/25

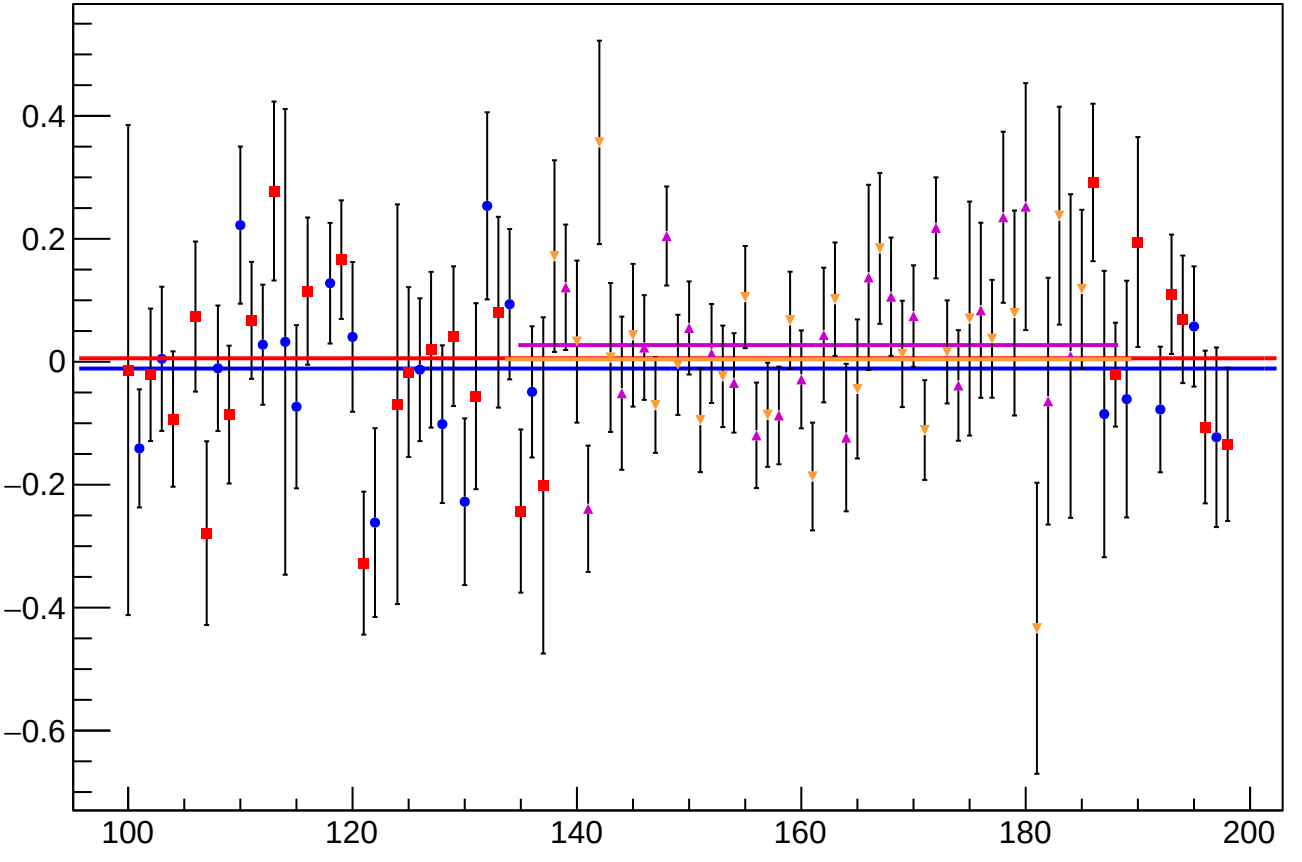
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

\+ sign 83.077+/-0.011 χ^2/NDF: 2981247.9/45

All: 82.801+/-0.008 χ^2/NDF: 5221396.3/94

\- sign 82.542+/-0.011 χ^2/NDF: 2239020.1/48

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.006+/-0.024 χ^2/NDF: 35.8/25

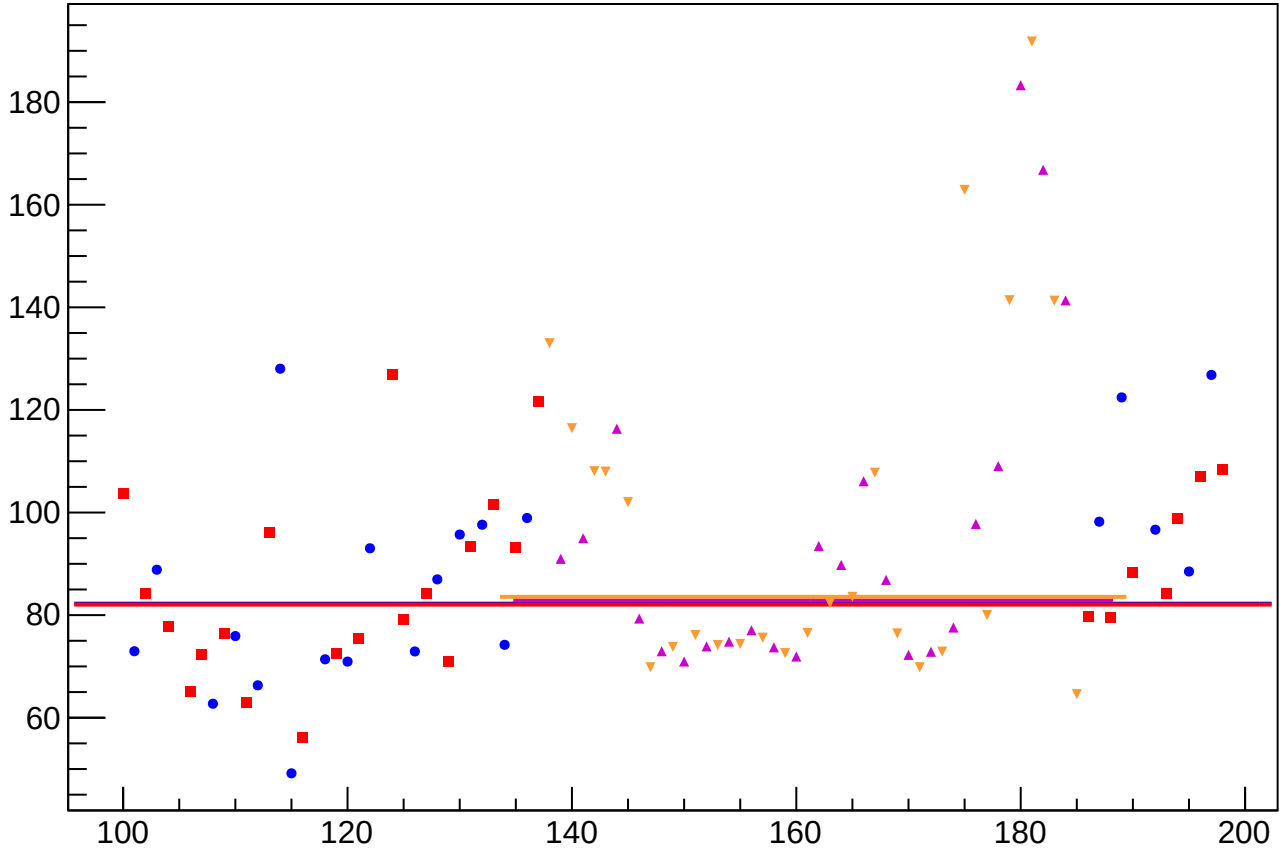
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.001+/-0.016 χ^2/NDF: 47.4/45

All: 0.009+/-0.011 χ^2/NDF: 116.3/94

- sign 0.018+/-0.016 χ^2/NDF: 68.2/48

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 82.232+/-0.019 χ^2/NDF: 805163.2/20

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 82.054+/-0.017 χ^2/NDF: 664634.6/25

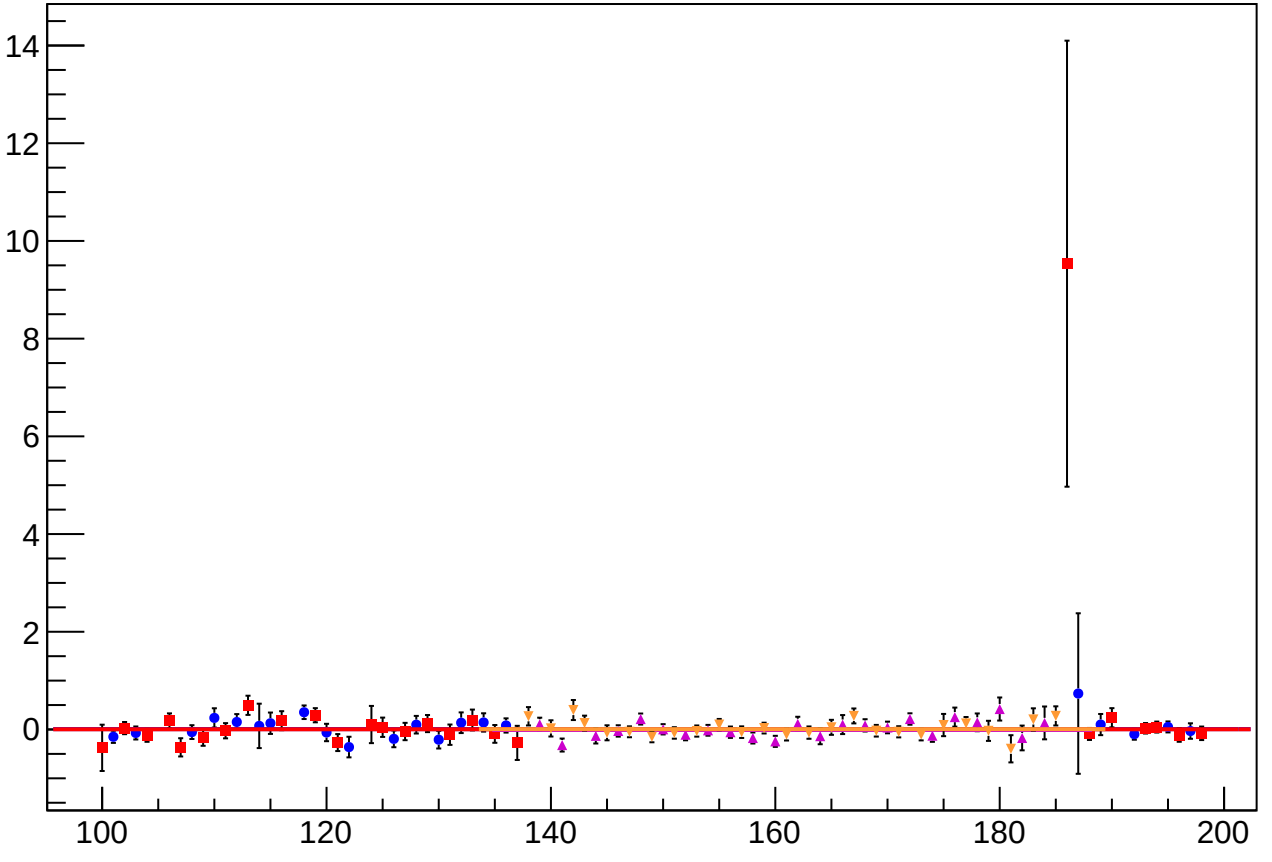
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

\+ sign 83.077+/-0.011 χ^2/NDF: 2981247.9/45

All: 82.801+/-0.008 χ^2/NDF: 5221396.3/94

\- sign 82.542+/-0.011 χ^2/NDF: 2239020.1/48

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.007+/-0.036 χ^2/NDF: 19.7/20

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.004+/-0.032 χ^2/NDF: 31.5/25

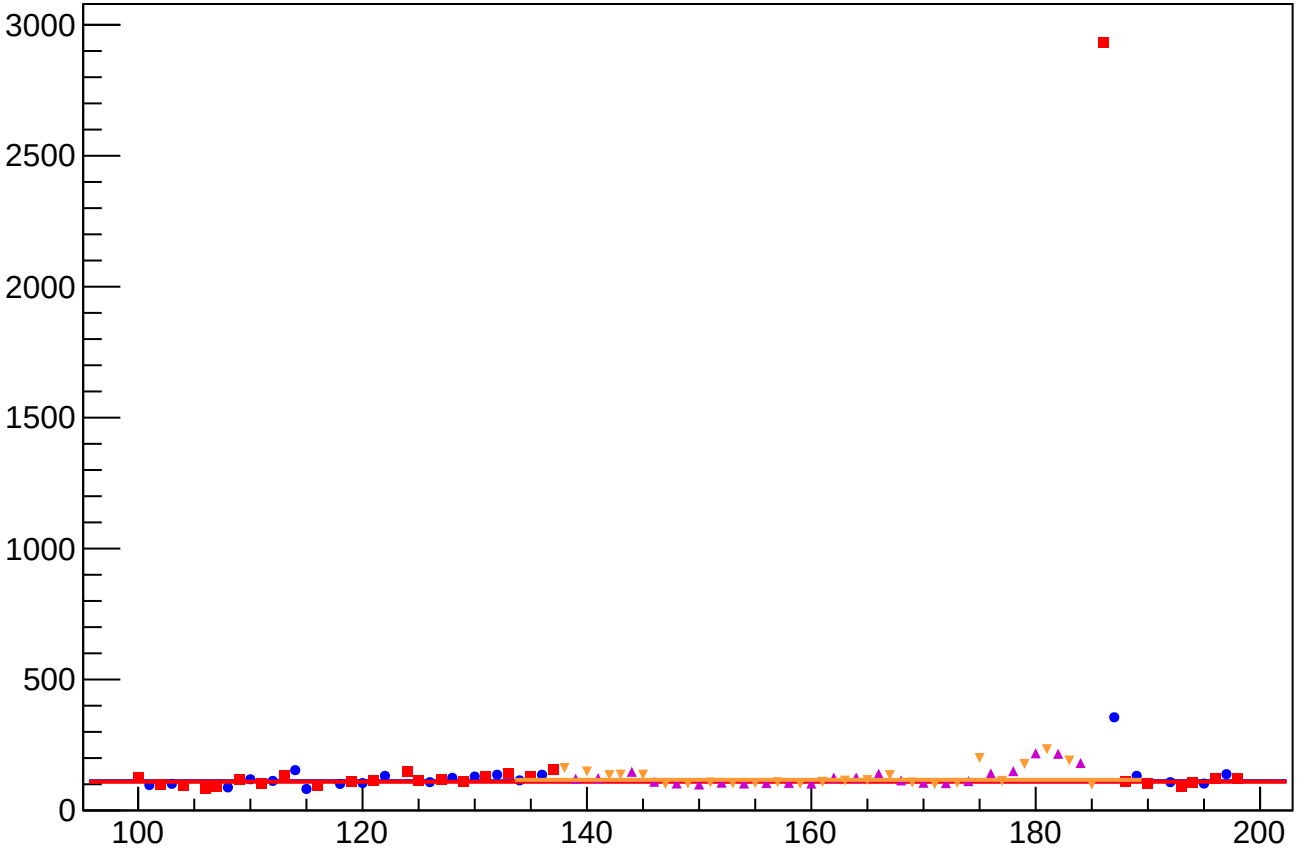
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.006+/-0.022 χ^2/NDF: 41.0/45

All: 0.001+/-0.015 χ^2/NDF: 104.0/94

- sign -0.004+/-0.021 χ^2/NDF: 62.9/48

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 111.760+/-0.025 χ^2/NDF: 435904.2/20

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 109.672+/-0.023 χ^2/NDF: 1170638.4/25

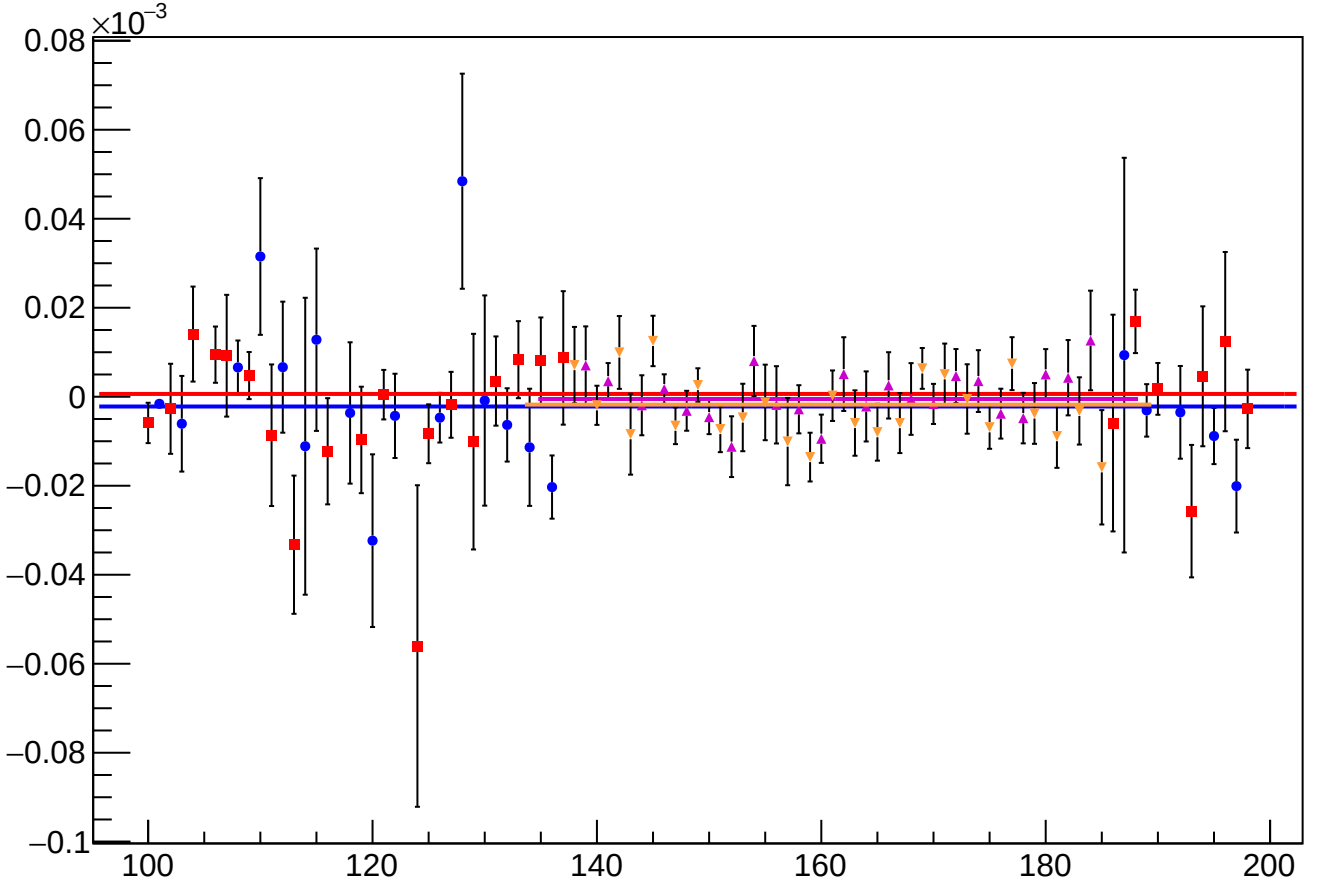
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 114.960+/-0.016 χ^2/NDF: 2058346.9/45

All: 114.054+/-0.011 χ^2/NDF: 4508403.9/94

- sign 113.202+/-0.015 χ^2/NDF: 2443441.2/48

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/25

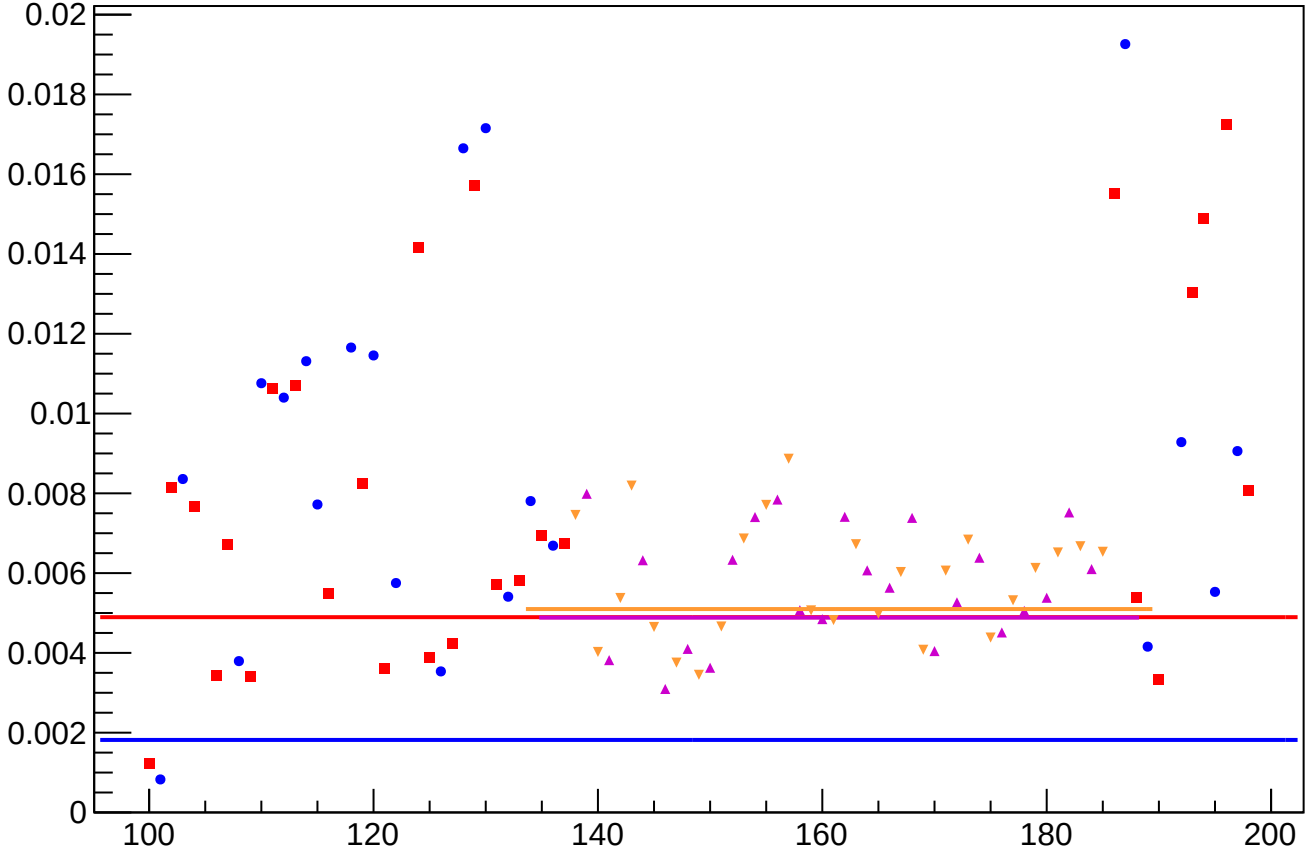
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.8/45

All: -0.000+/-0.000 χ^2/NDF: 104.2/94

- sign -0.000+/-0.000 χ^2/NDF: 45.0/48

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 12706698.0/20

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 6462801.5/25

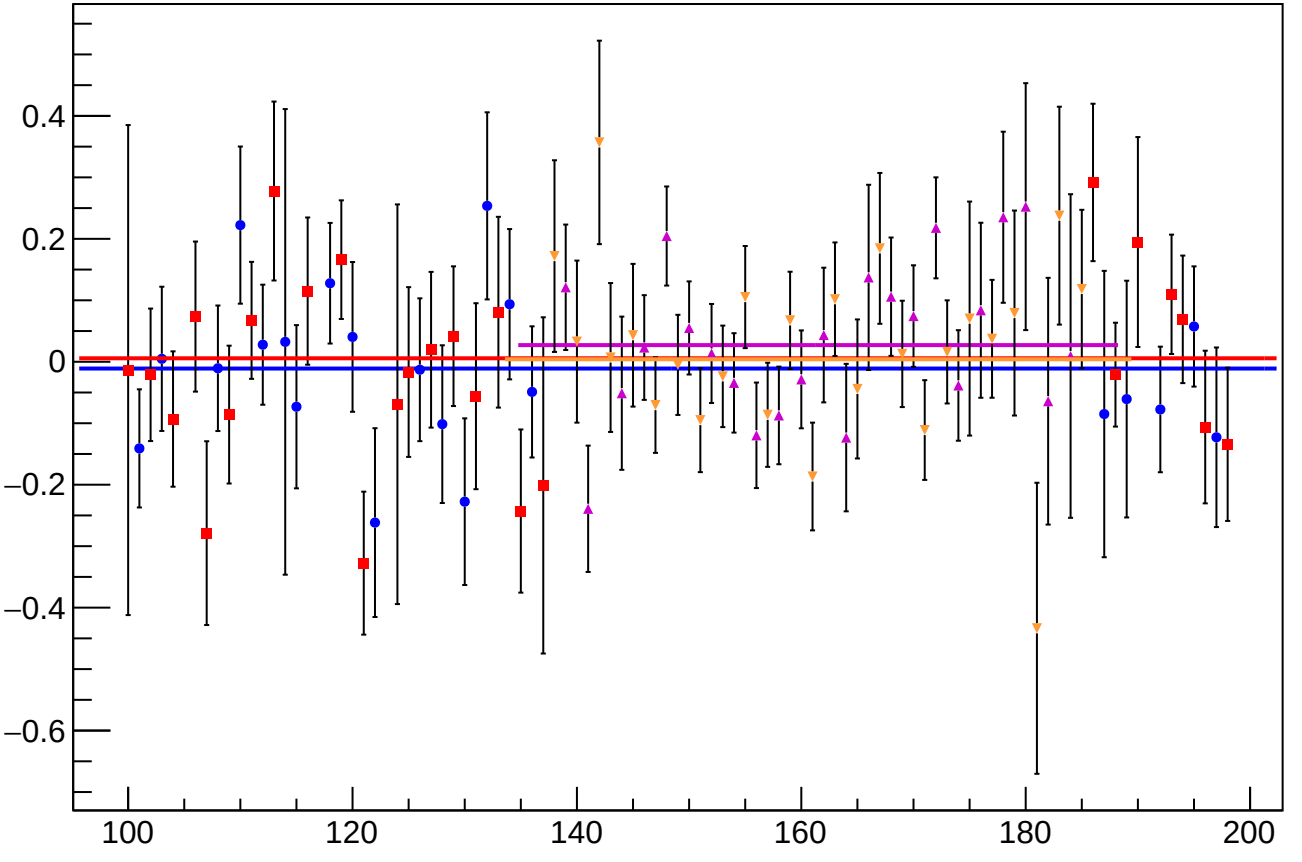
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

\+ sign 0.003+/-0.000 χ^2/NDF: 24231698.1/45

All: 0.004+/-0.000 χ^2/NDF: 37885930.1/94

\- sign 0.005+/-0.000 χ^2/NDF: 9188320.5/48

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.006+/-0.024 χ^2/NDF: 35.8/25

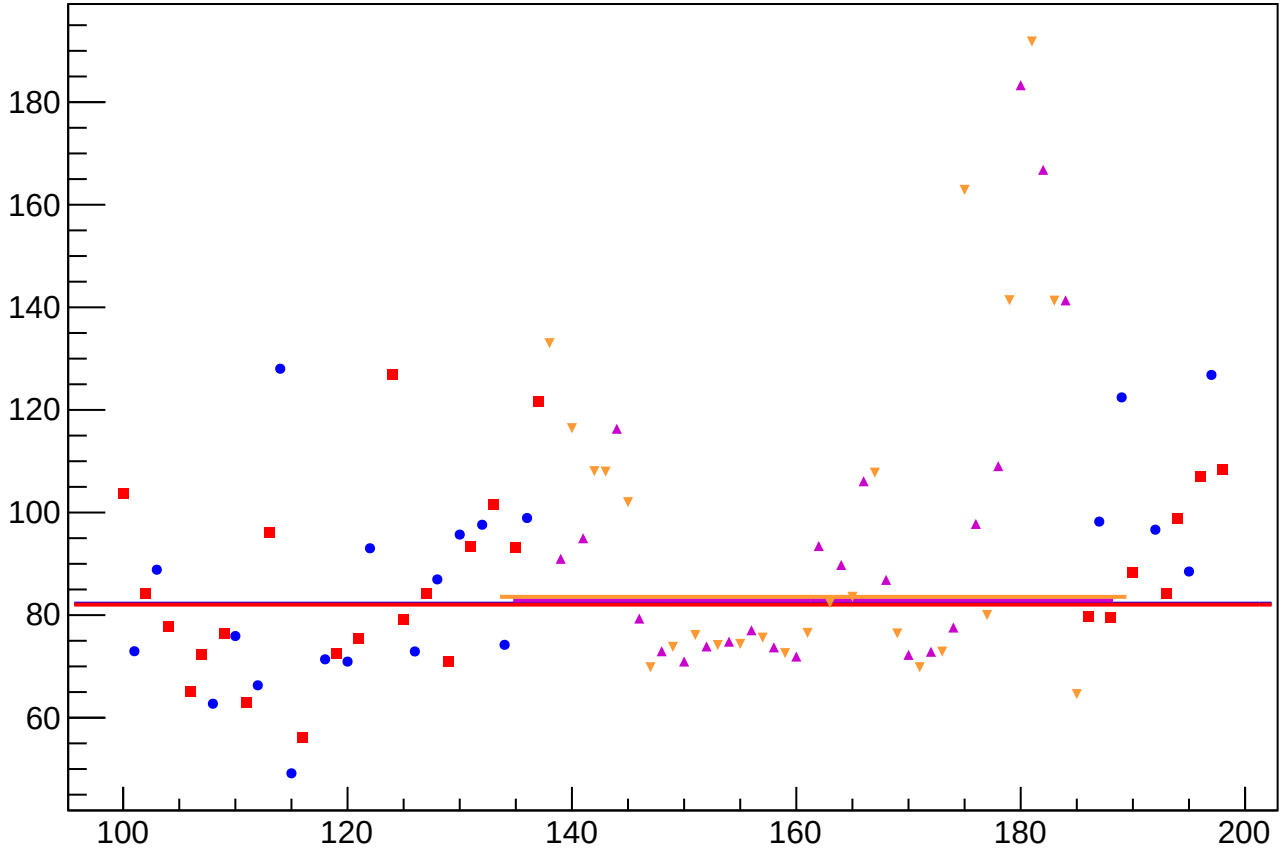
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.001+/-0.016 χ^2/NDF: 47.4/45

All: 0.009+/-0.011 χ^2/NDF: 116.3/94

- sign 0.018+/-0.016 χ^2/NDF: 68.2/48

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 82.230+/-0.019 χ^2/NDF: 805179.8/20

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

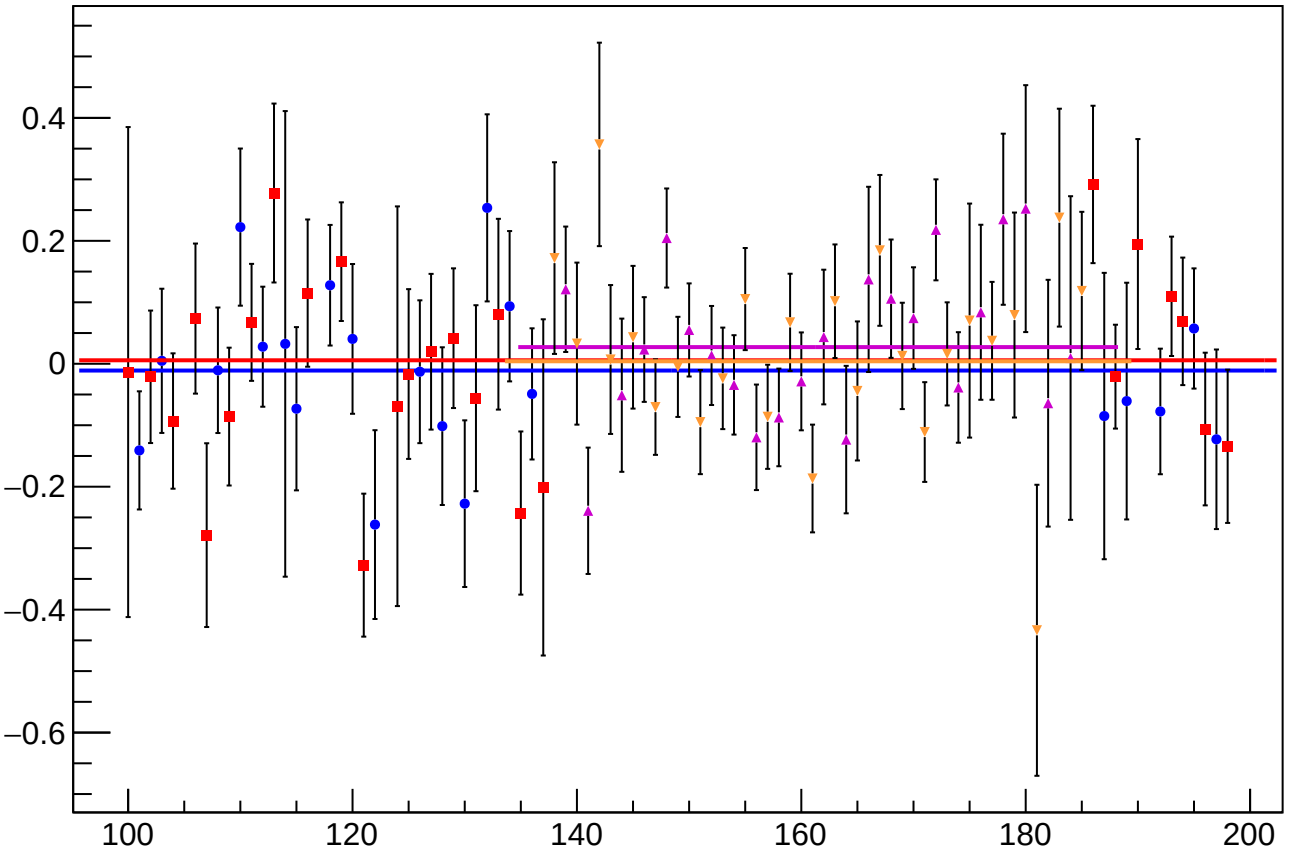
Right Out: 82.053+/-0.017 χ^2/NDF: 664649.0/25

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

\+ sign 83.077+/-0.011 χ^2/NDF: 2981264.3/45

All: 82.801+/-0.008 χ^2/NDF: 5221411.8/94

\- sign 82.541+/-0.011 χ^2/NDF: 2239018.5/48



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

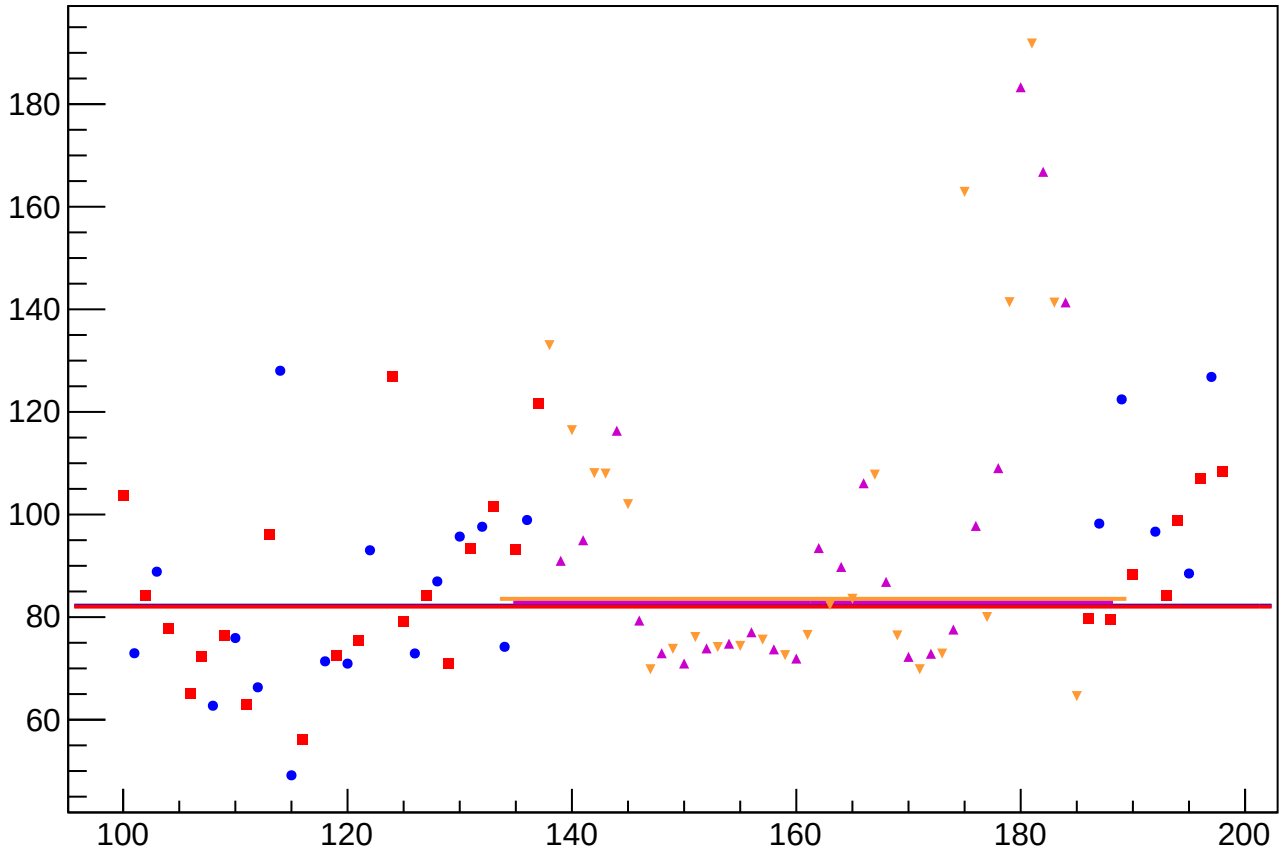
Right Out: 0.006+/-0.024 χ^2/NDF: 35.8/25

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.001+/-0.016 χ^2/NDF: 47.4/45

All: 0.009+/-0.011 χ^2/NDF: 116.3/94

- sign 0.018+/-0.016 χ^2/NDF: 68.2/48



Right In: 82.230+/-0.019 χ^2/NDF: 805179.8/20

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

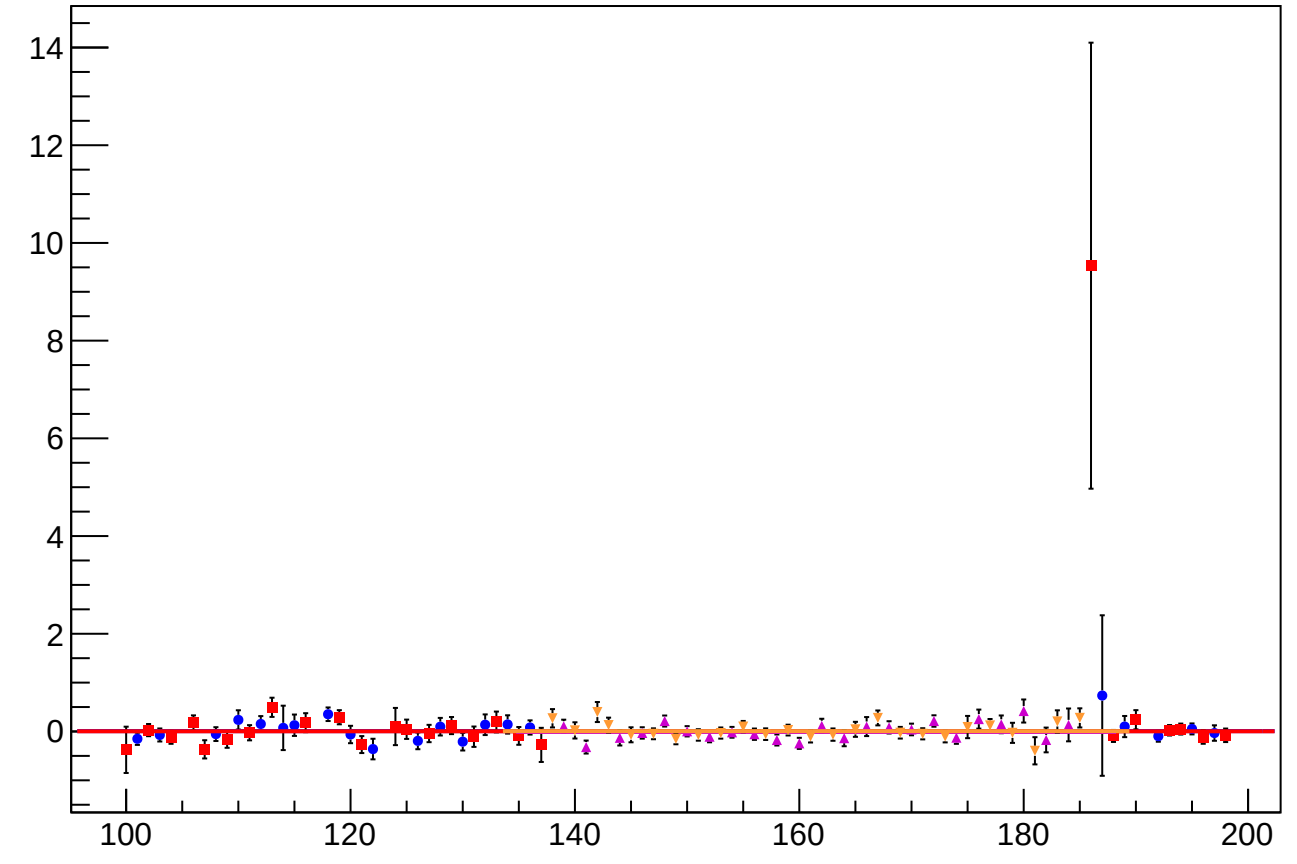
Right Out: 82.053+/-0.017 χ^2/NDF: 664649.0/25

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 83.077+/-0.011 χ^2/NDF: 2981264.3/45

All: 82.801+/-0.008 χ^2/NDF: 5221411.8/94

- sign 82.541+/-0.011 χ^2/NDF: 2239018.5/48



Right In: 0.007+/-0.036 χ^2/NDF: 19.7/20

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

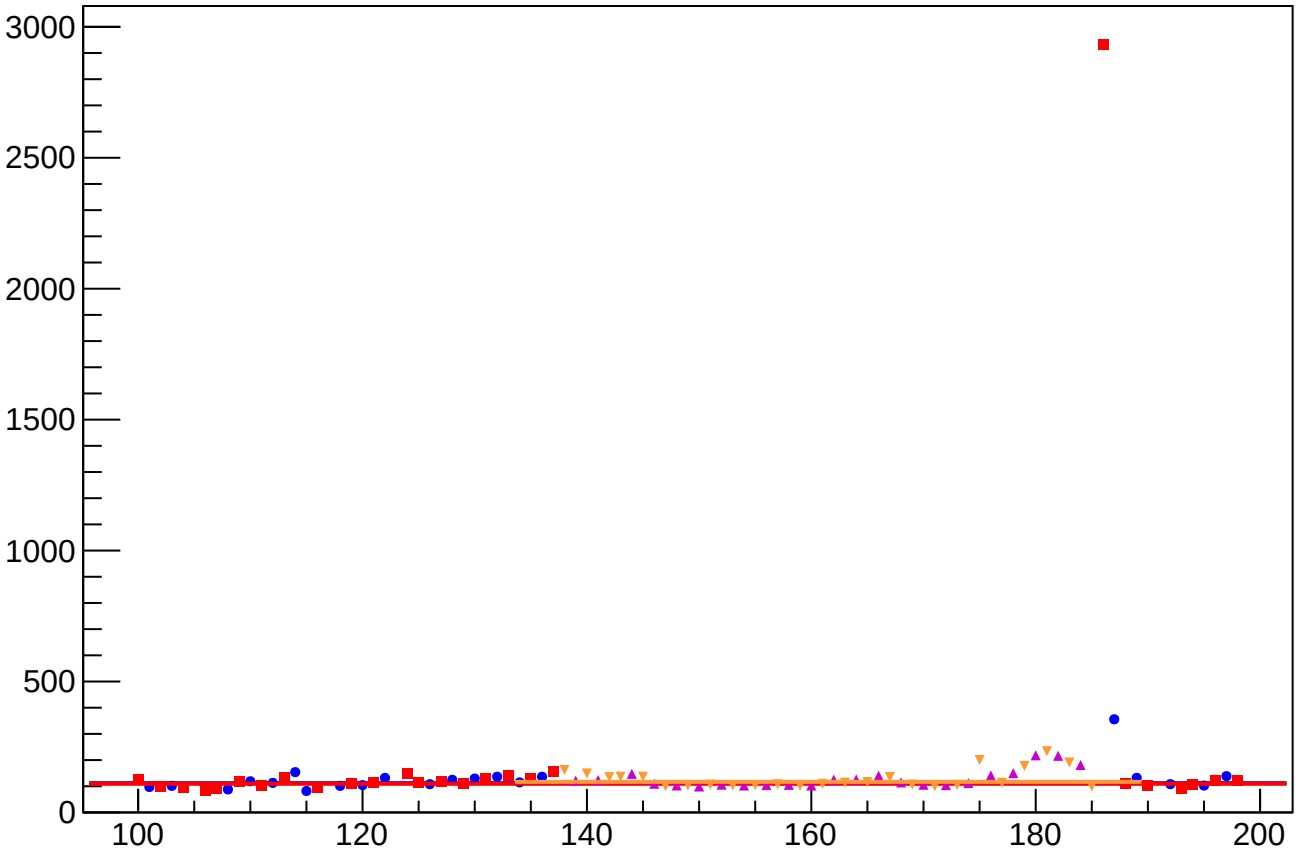
Right Out: 0.004+/-0.032 χ^2/NDF: 31.5/25

Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.006+/-0.022 χ^2/NDF: 41.0/45

All: 0.001+/-0.015 χ^2/NDF: 104.0/94

- sign -0.004+/-0.021 χ^2/NDF: 62.9/48



Right In: 111.759+/-0.025 χ^2/NDF: 435881.9/20

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

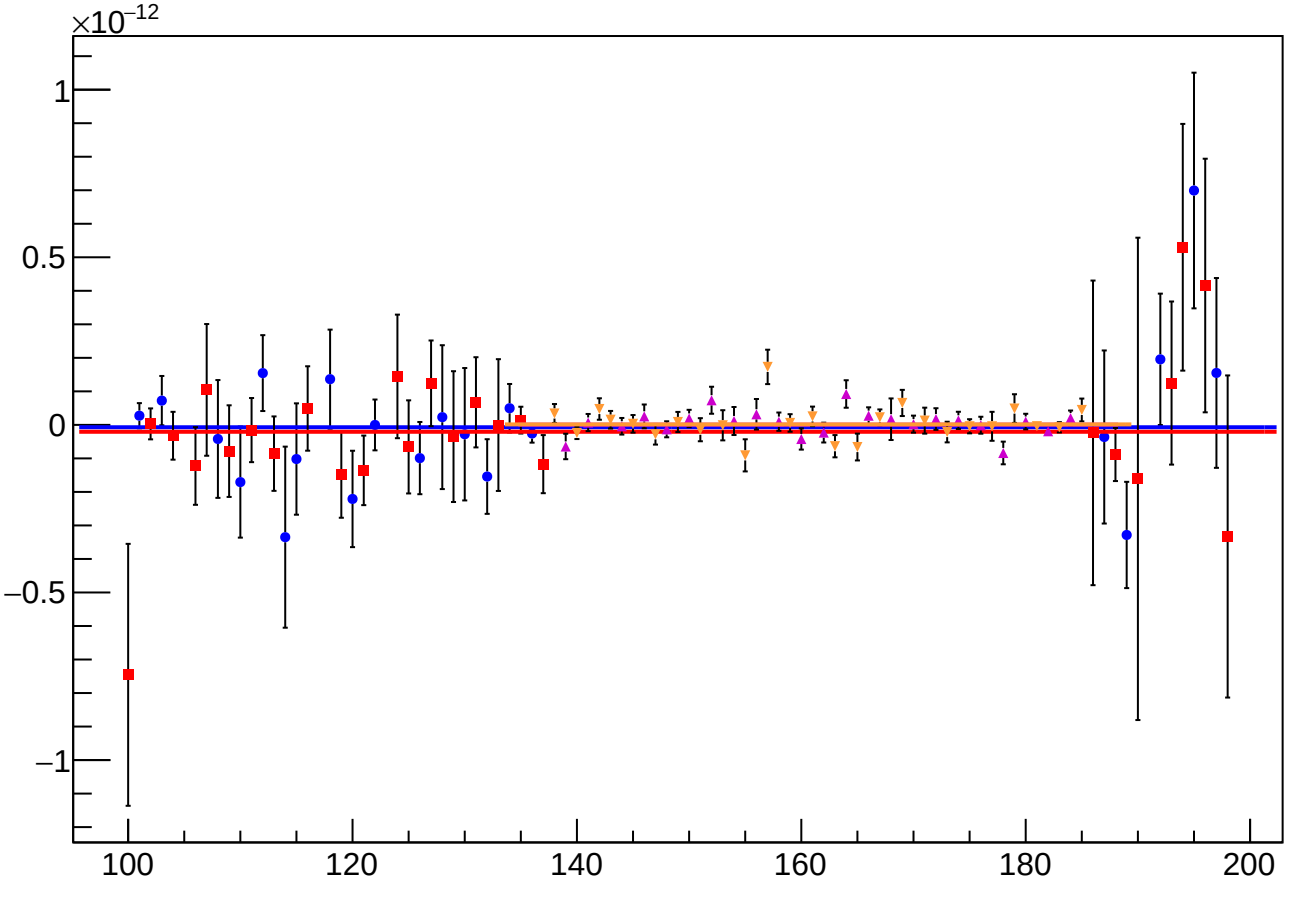
Right Out: 109.672+/-0.023 χ^2/NDF: 1170612.0/25

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 114.960+/-0.016 χ^2/NDF: 2058333.7/45

All: 114.053+/-0.011 χ^2/NDF: 4508367.1/94

- sign 113.202+/-0.015 χ^2/NDF: 2443417.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

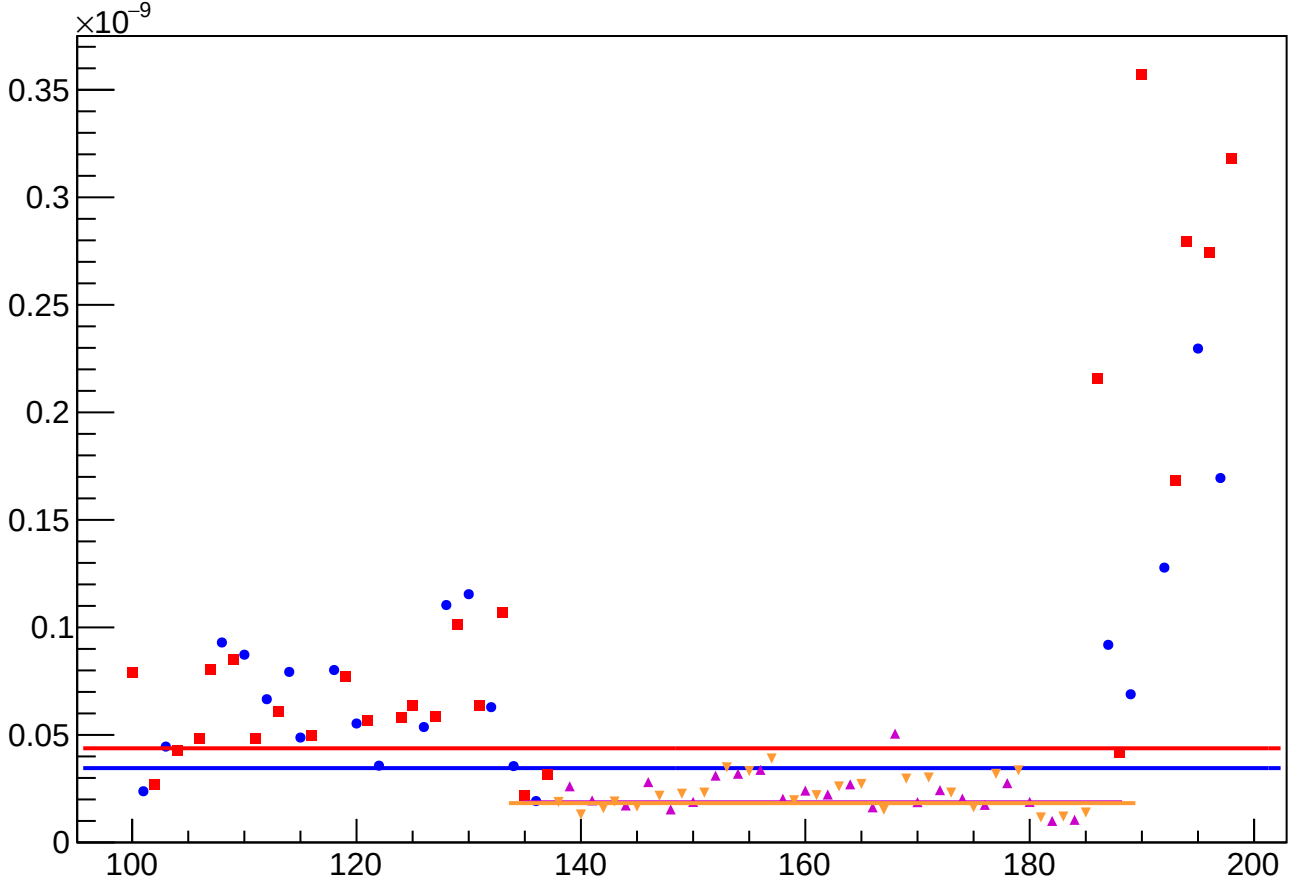
Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/25

Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/45

All: -0.000+/-0.000 χ^2/NDF: 105.5/94

- sign -0.000+/-0.000 χ^2/NDF: 45.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 4214675.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5328127.1/25

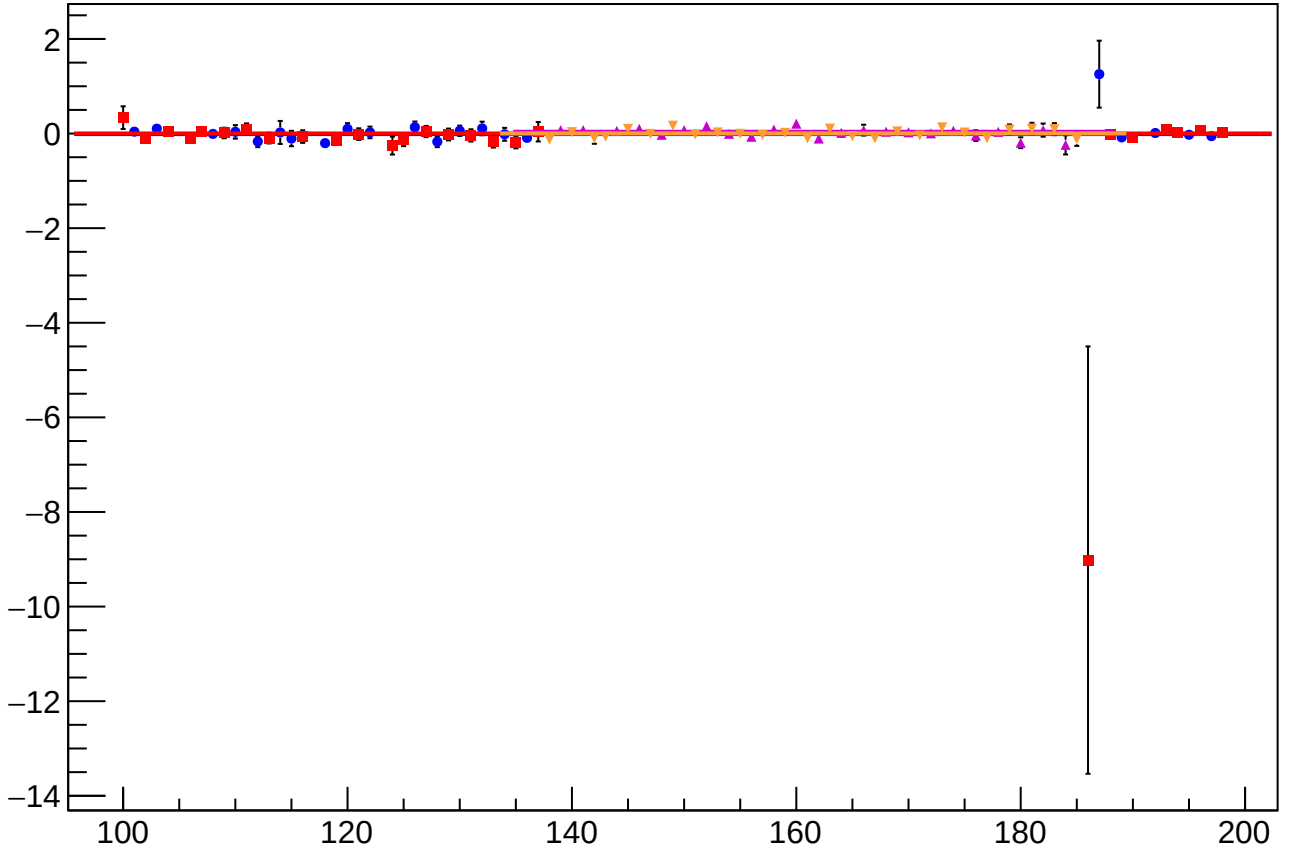
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8801554.4/45

All: 0.000+/-0.000 χ^2/NDF: 19919166.6/94

- sign 0.000+/-0.000 χ^2/NDF: 11094713.3/48

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.018 χ^2/NDF: 22.6/20

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.015 χ^2/NDF: 32.9/25

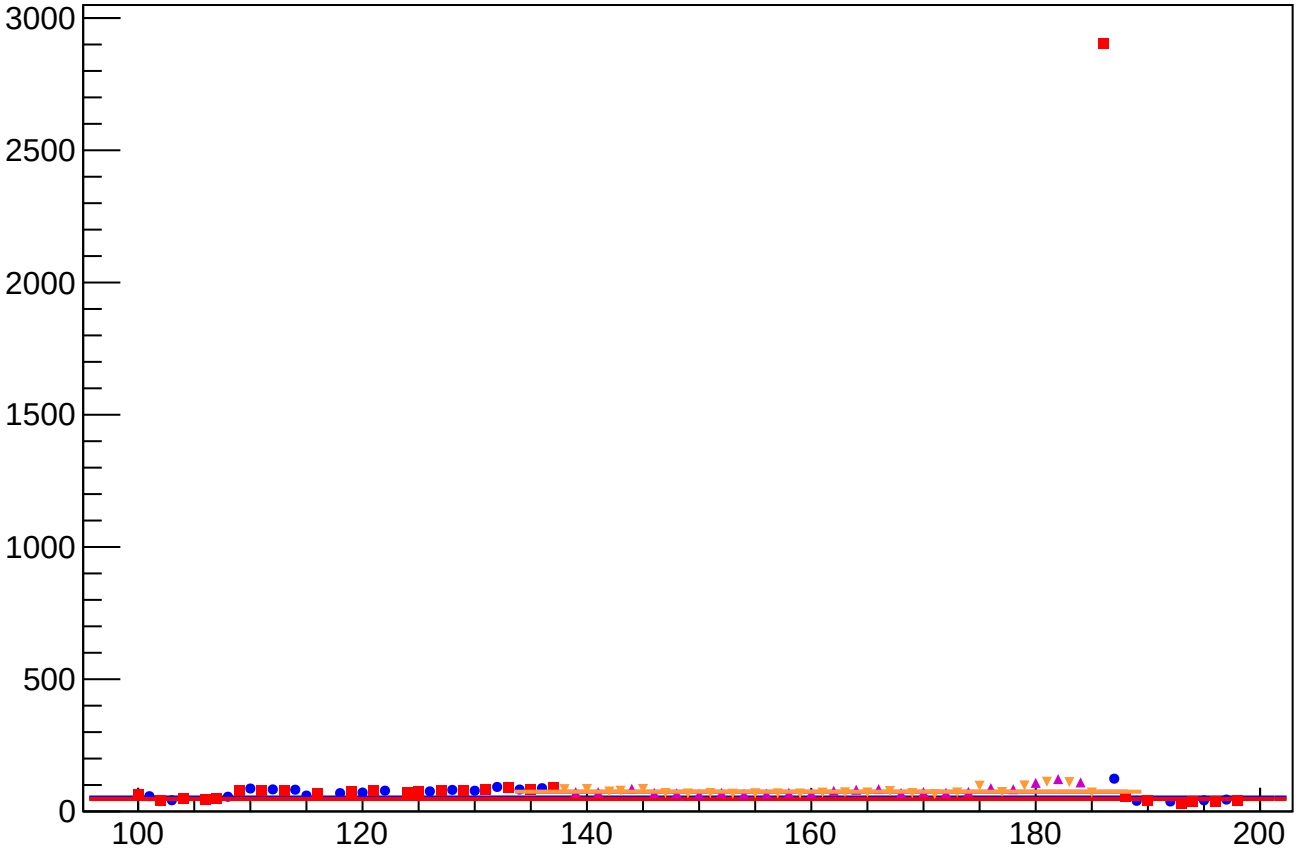
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

\+ sign -0.004+/-0.012 χ^2/NDF: 44.4/45

All: 0.007+/-0.008 χ^2/NDF: 102.8/94

\- sign 0.017+/-0.011 χ^2/NDF: 56.9/48

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 52.818+/-0.012 χ^2/NDF: 1940454.5/20

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

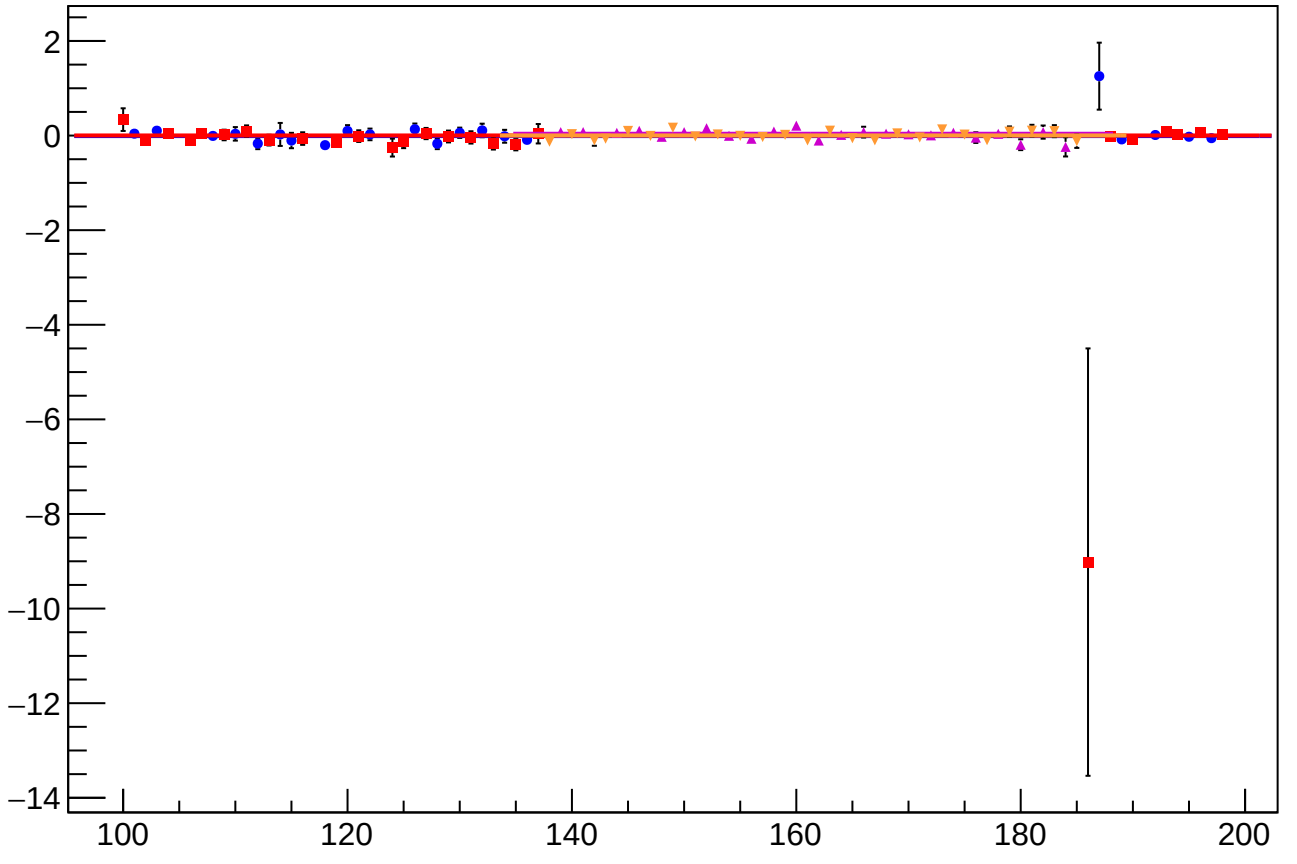
Right Out: 47.104+/-0.011 χ^2/NDF: 3507255.4/25

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 63.869+/-0.009 χ^2/NDF: 4256269.1/45

All: 60.899+/-0.006 χ^2/NDF: 11486239.5/94

- sign 58.360+/-0.008 χ^2/NDF: 7016080.9/48



Right In: -0.011+/-0.018 χ^2/NDF: 22.6/20

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.015 χ^2/NDF: 32.9/25

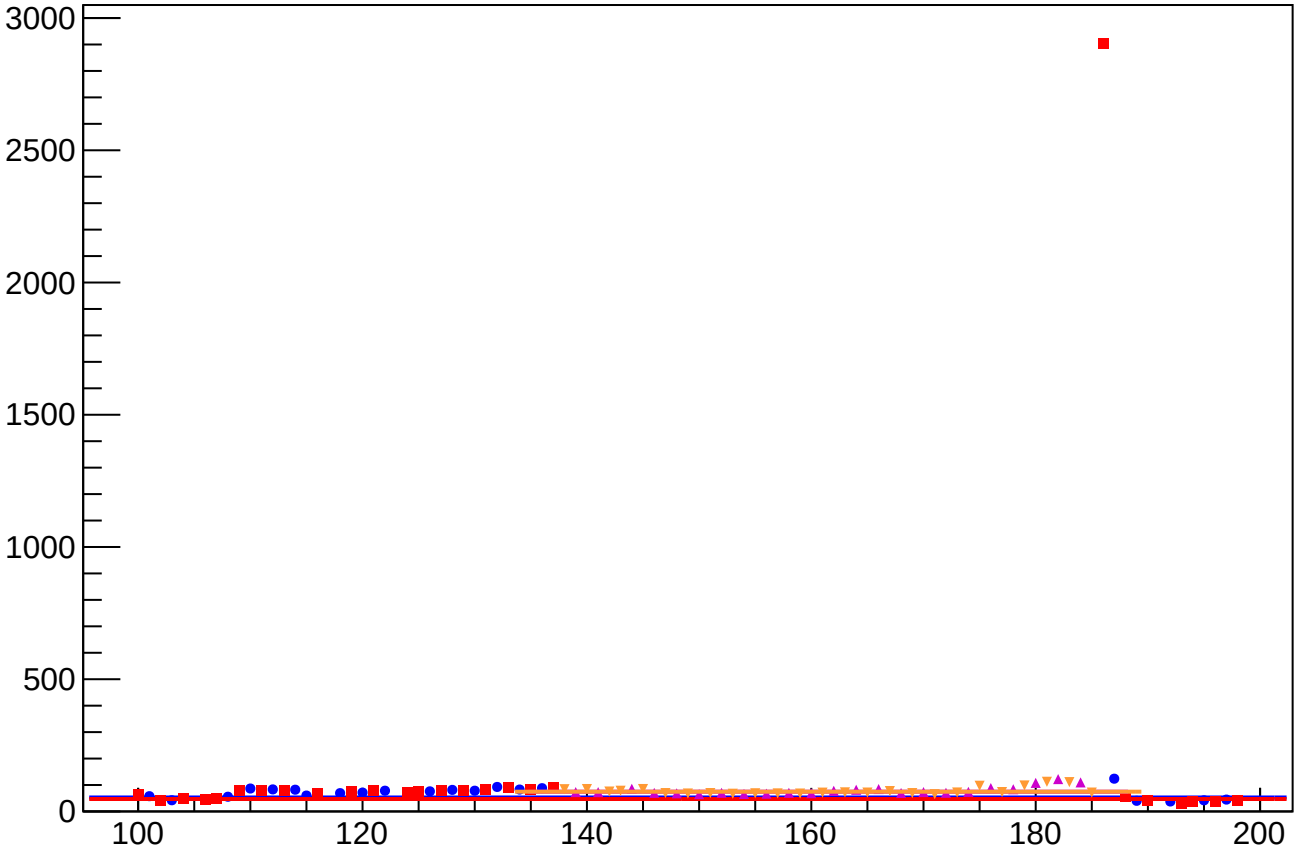
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.004+/-0.012 χ^2/NDF: 44.4/45

All: 0.007+/-0.008 χ^2/NDF: 102.8/94

- sign 0.017+/-0.011 χ^2/NDF: 56.9/48

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 52.818+/-0.012 χ^2/NDF: 1940454.5/20

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 47.104+/-0.011 χ^2/NDF: 3507255.4/25

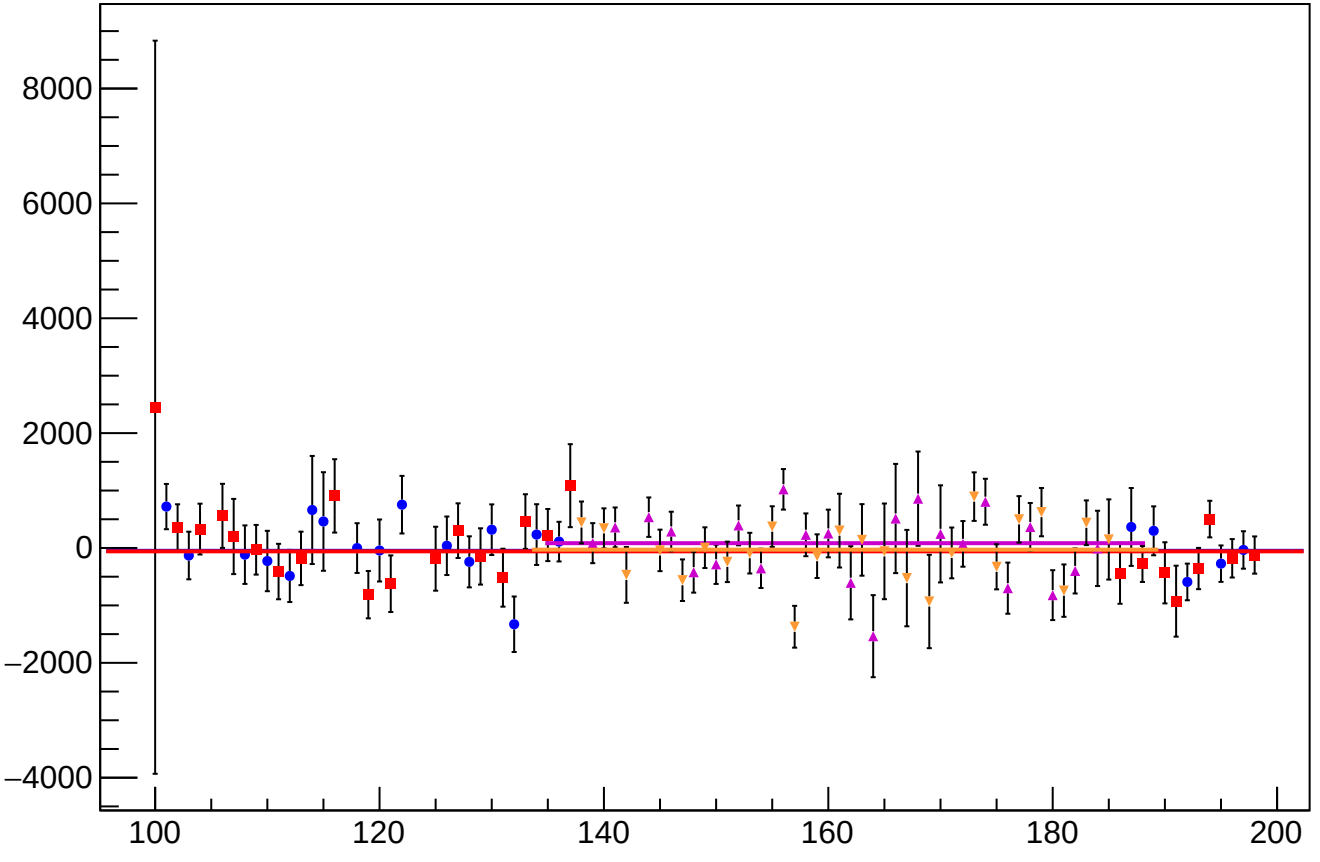
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 63.869+/-0.009 χ^2/NDF: 4256269.1/45

All: 60.899+/-0.006 χ^2/NDF: 11486239.5/94

- sign 58.360+/-0.008 χ^2/NDF: 7016080.9/48

asym_dsl_mean vs Slug



Right In: -49.697+/-96.686 χ^2/NDF: 21.3/20

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -58.490+/-88.976 χ^2/NDF: 23.9/25

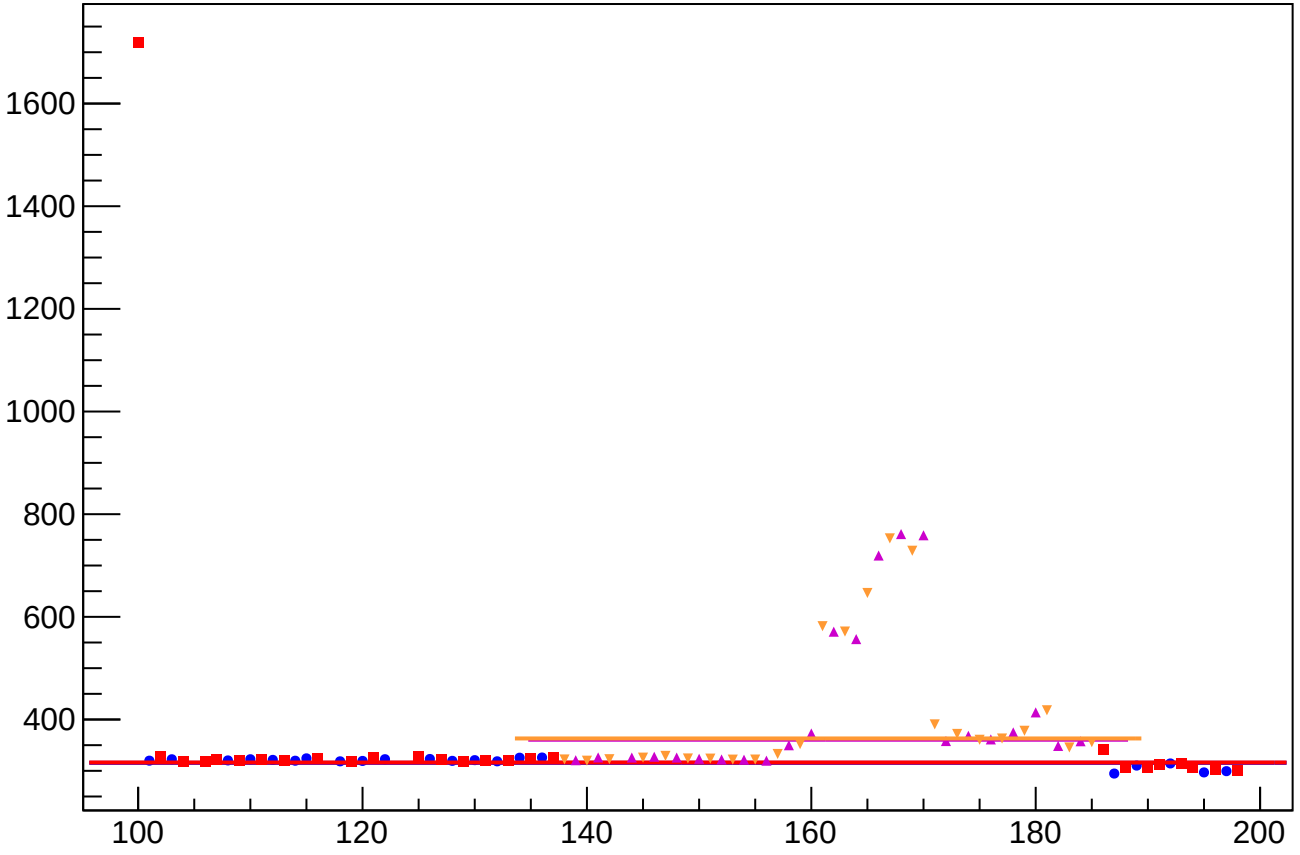
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

\+ sign -38.397+/-64.478 χ^2/NDF: 57.8/44

All: -10.845+/-44.696 χ^2/NDF: 119.2/93

\- sign 14.640+/-62.013 χ^2/NDF: 61.0/48

asym_dsl_rms vs Slug



Right In: 315.557+/-0.068 χ^2/NDF: 20015.6/20

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

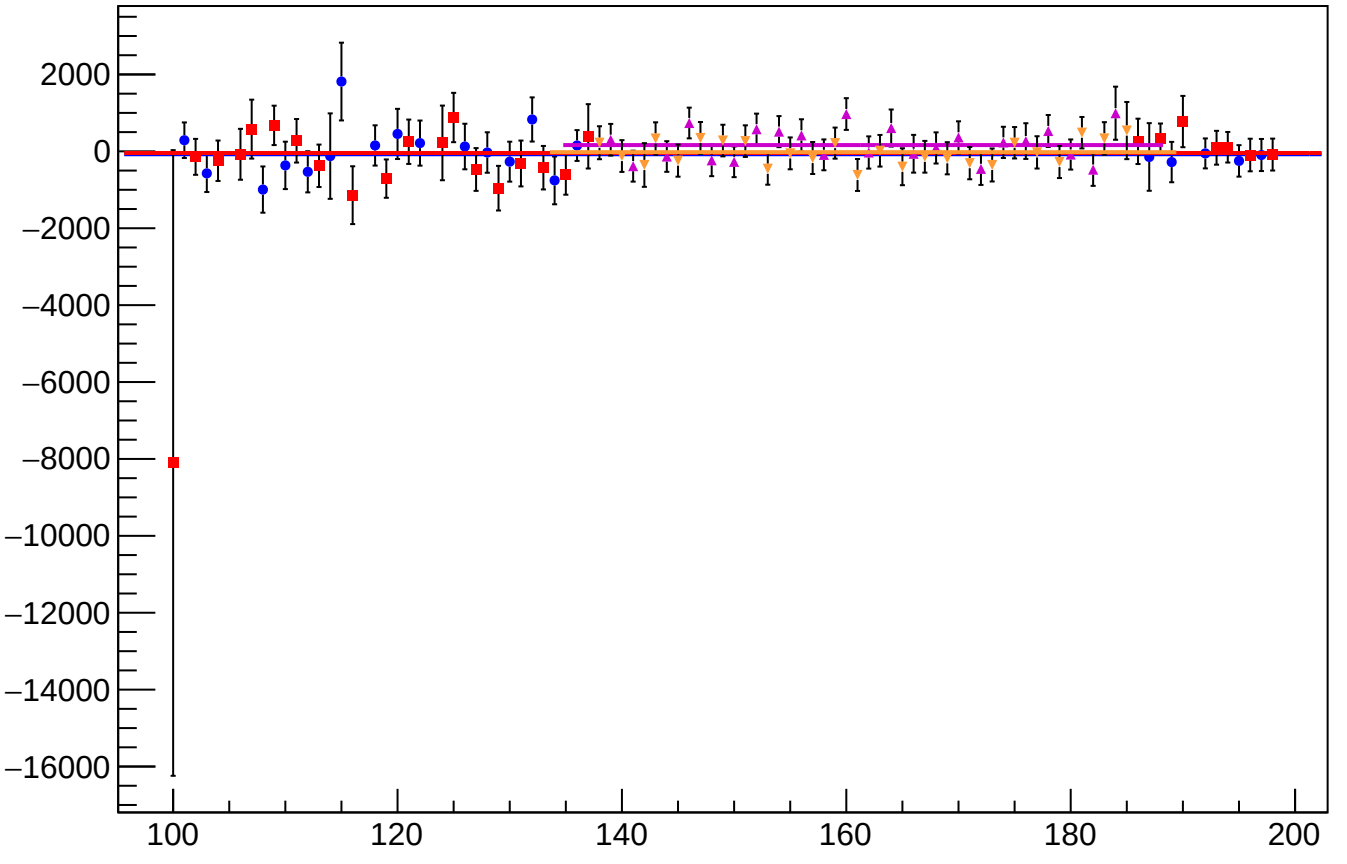
Right Out: 316.238+/-0.063 χ^2/NDF: 119941.6/25

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 341.944+/-0.046 χ^2/NDF: 2083864.4/44

All: 340.437+/-0.032 χ^2/NDF: 4279104.3/93

- sign 339.043+/-0.044 χ^2/NDF: 2193136.6/48



Right In: -75.242+/-116.477 χ^2/NDF: 14.1/20

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -42.963+/-107.628 χ^2/NDF: 18.8/25

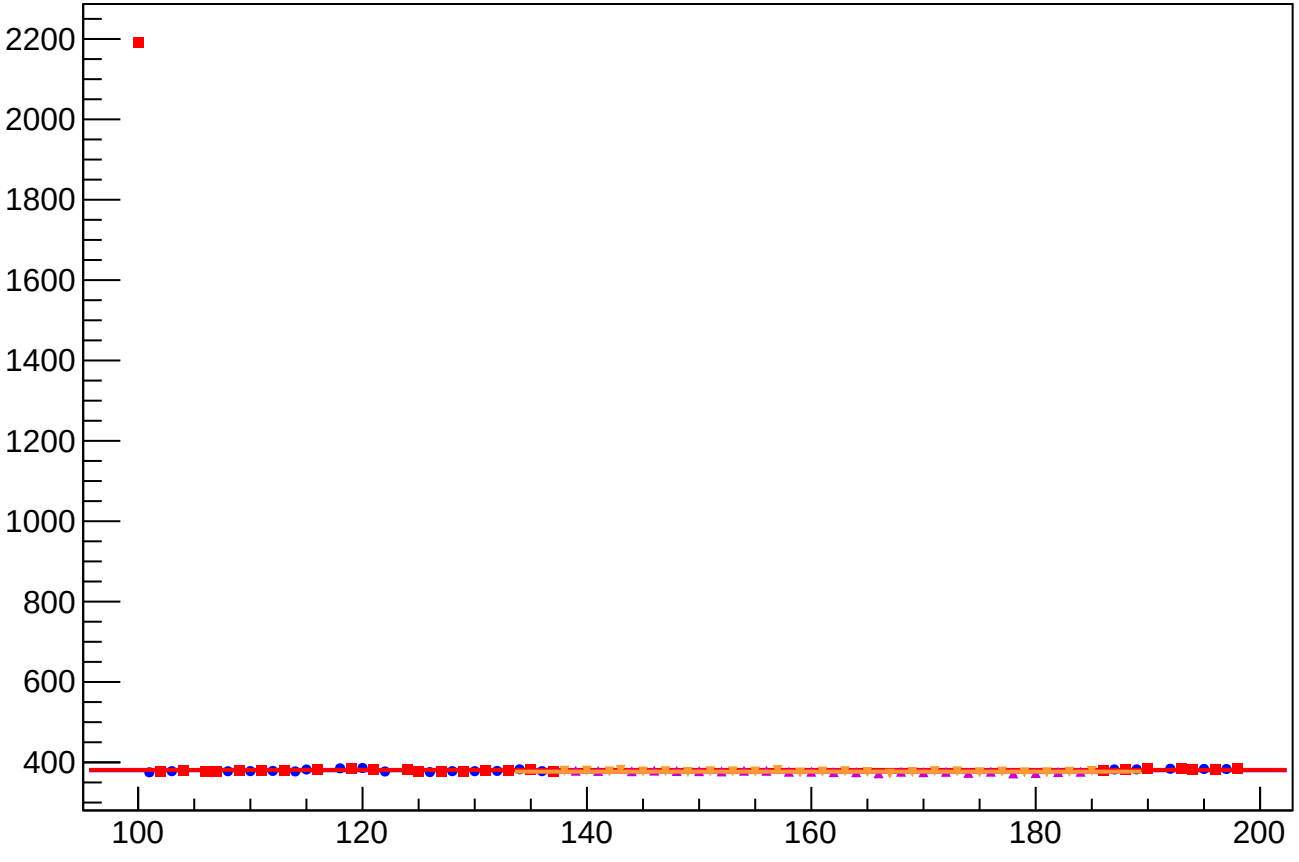
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -40.067+/-68.987 χ^2/NDF: 26.9/45

All: 20.967+/-48.473 χ^2/NDF: 71.2/94

- sign 80.482+/-68.123 χ^2/NDF: 42.8/48

asym_dsr_rms vs Slug



Right In: 380.335+/-0.082 χ^2/NDF: 1517.8/20

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.236+/-0.076 χ^2/NDF: 100262.6/25

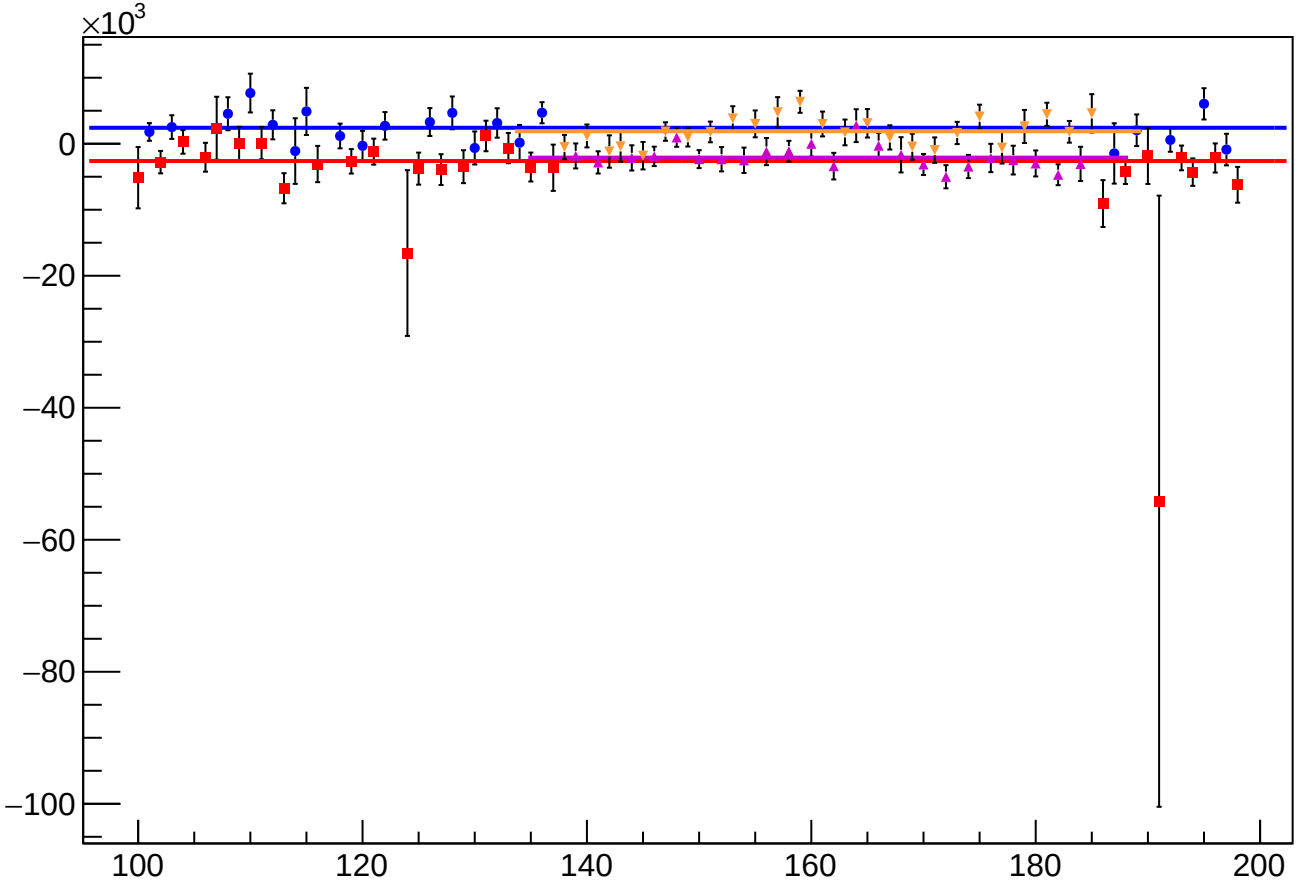
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.109+/-0.049 χ^2/NDF: 3701.7/45

All: 378.360+/-0.034 χ^2/NDF: 107084.7/94

- sign 378.605+/-0.048 χ^2/NDF: 103330.8/48

asym_us_agg_avg_mean vs Slug



Right In: 2417.277+/-480.019 χ^2/NDF: 18.5/20

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2614.264+/-465.912 χ^2/NDF: 23.5/26

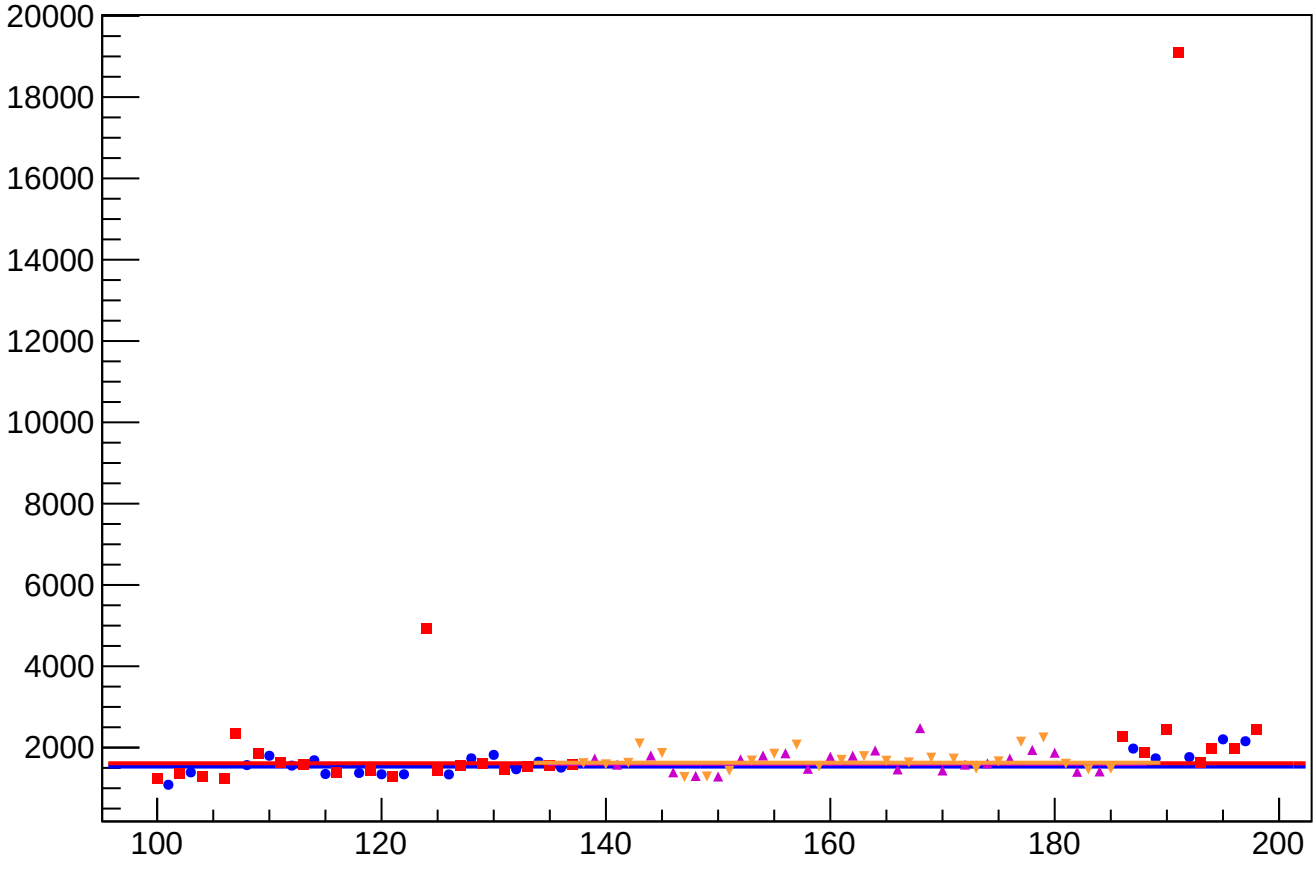
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2090.775+/-295.655 χ^2/NDF: 47.6/45

All: -120.752+/-208.484 χ^2/NDF: 201.7/95

- sign -2308.077+/-294.033 χ^2/NDF: 42.8/49

asym_us_agg_avg_rms vs Slug



Right In: 1532.975+/-0.339 χ^2/NDF: 729369.4/20

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1614.173+/-0.329 χ^2/NDF: 1270181.5/26

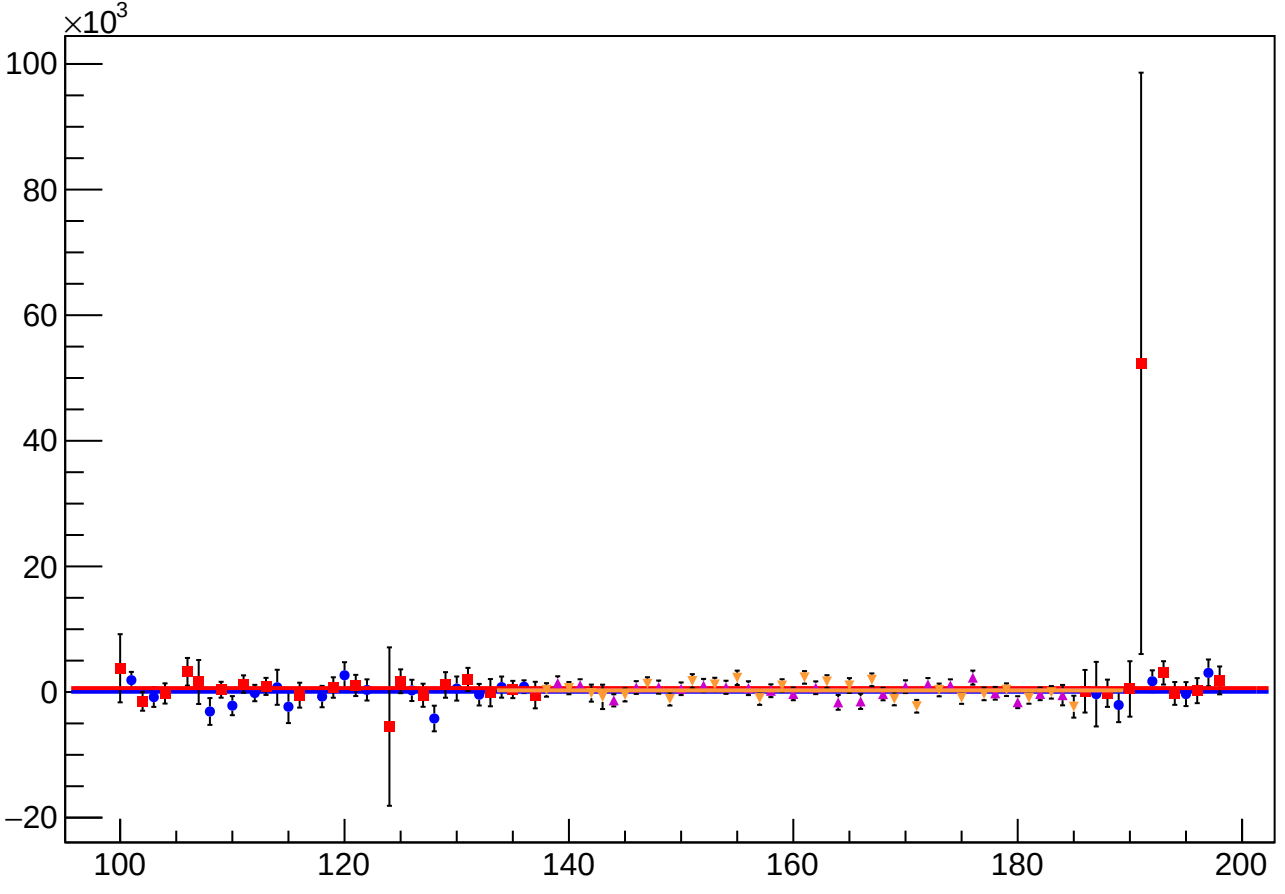
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1592.248+/-0.209 χ^2/NDF: 1557599.1/45

All: 1599.436+/-0.147 χ^2/NDF: 3624745.4/95

- sign 1606.545+/-0.208 χ^2/NDF: 2064795.0/49

asym_us_agg_dd_mean vs Slug



Right In: 45.272+/-379.406 χ^2/NDF: 18.2/20

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 623.423+/-369.906 χ^2/NDF: 10.5/26

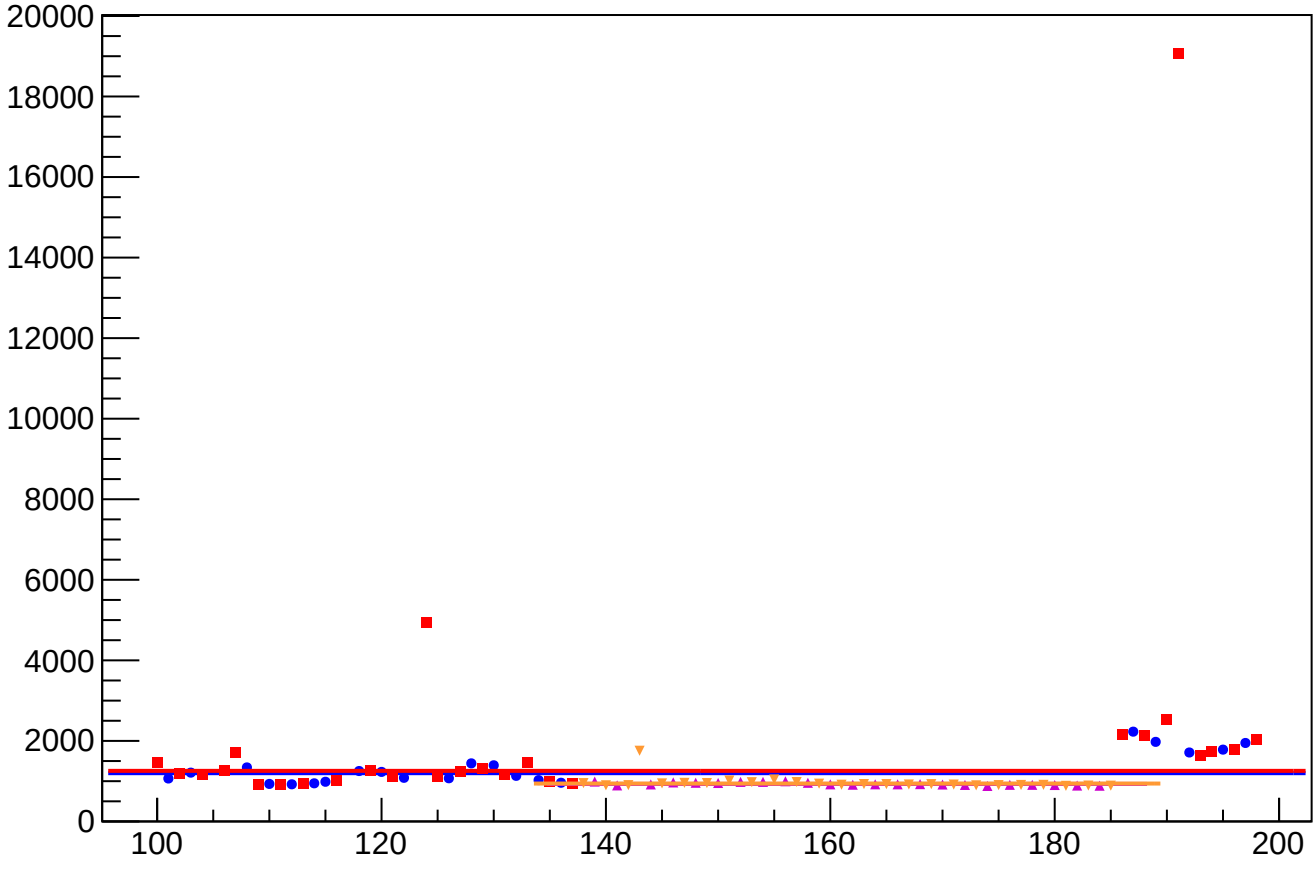
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 209.624+/-187.029 χ^2/NDF: 52.4/45

All: 283.945+/-132.454 χ^2/NDF: 85.2/95

- sign 358.728+/-187.609 χ^2/NDF: 32.5/49

asym_us_agg_dd_rms vs Slug



Right In: 1198.404+/-0.268 χ^2/NDF: 1267495.0/20

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1256.285+/-0.262 χ^2/NDF: 2332735.9/26

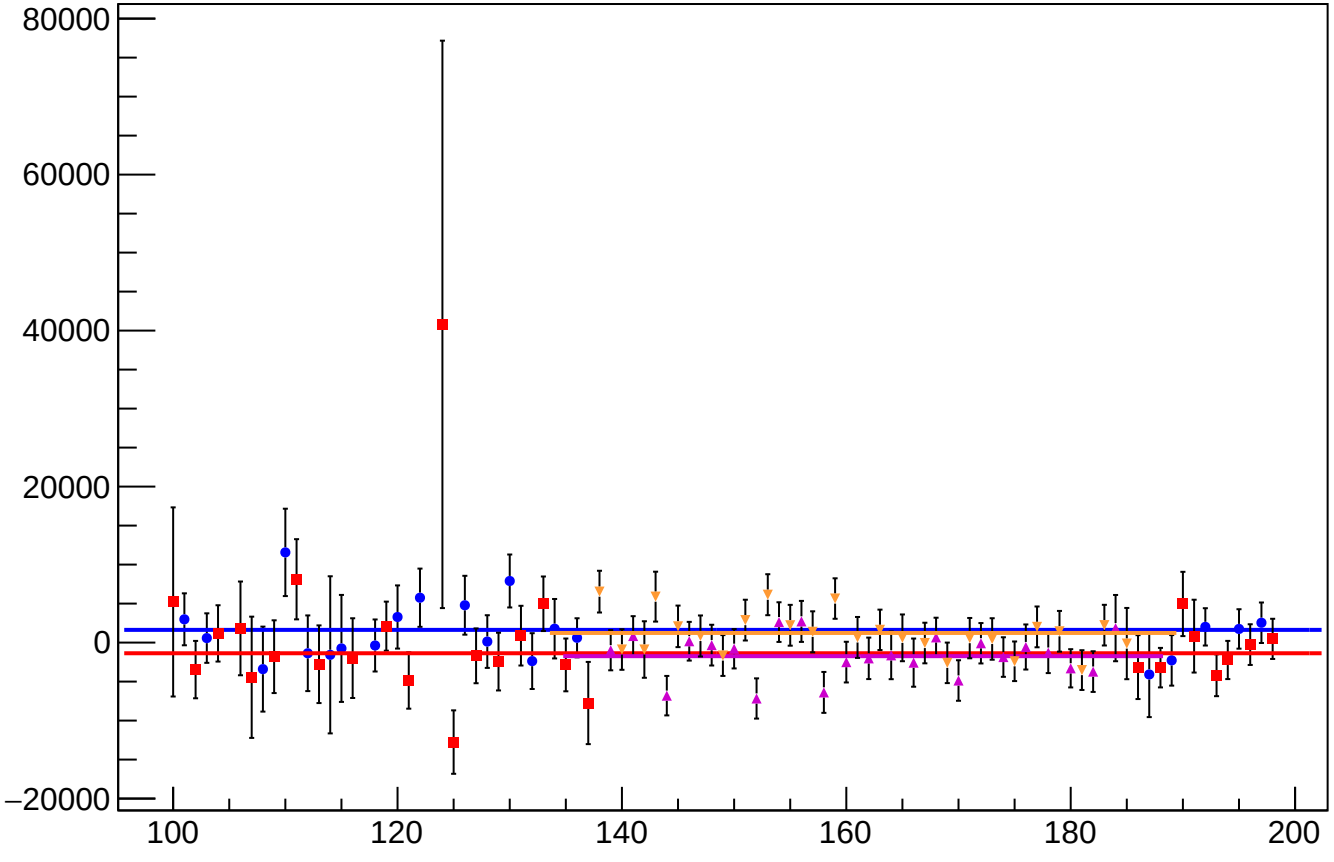
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1003.560+/-0.132 χ^2/NDF: 2381993.0/45

All: 1009.308+/-0.094 χ^2/NDF: 5912224.9/95

- sign 1015.092+/-0.133 χ^2/NDF: 3526442.0/49

reg_asym_atl1_mean vs Slug



Right In: 1629.179+/-764.598 χ^2/NDF: 15.1/20

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1368.043+/-715.360 χ^2/NDF: 27.0/26

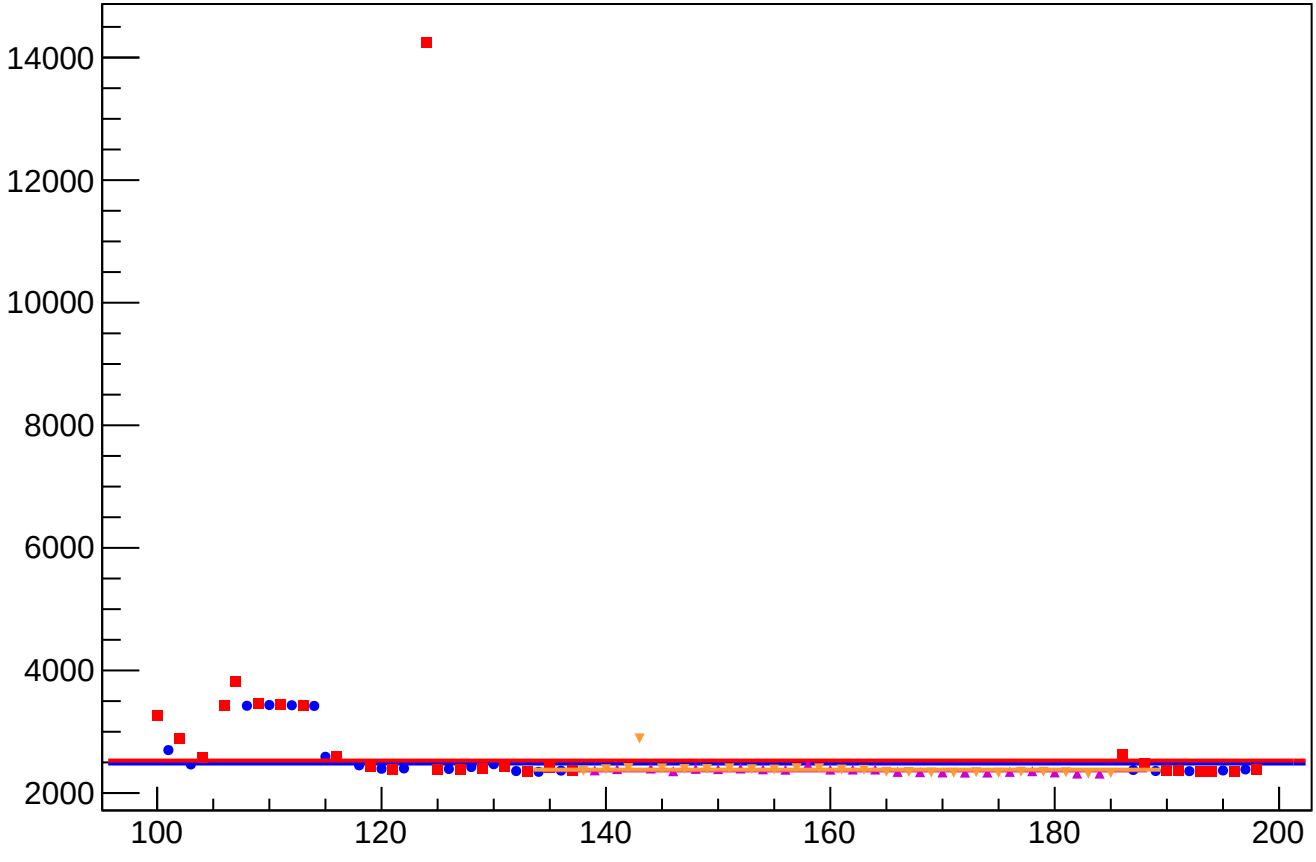
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.418+/-441.787 χ^2/NDF: 39.1/45

All: -131.721+/-310.914 χ^2/NDF: 113.4/95

- sign -1601.870+/-437.641 χ^2/NDF: 51.6/49

reg_asym_atl1_rms vs Slug



Right In: 2481.732+/-0.541 χ^2/NDF: 250111.3/20

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2529.780+/-0.506 χ^2/NDF: 606296.9/26

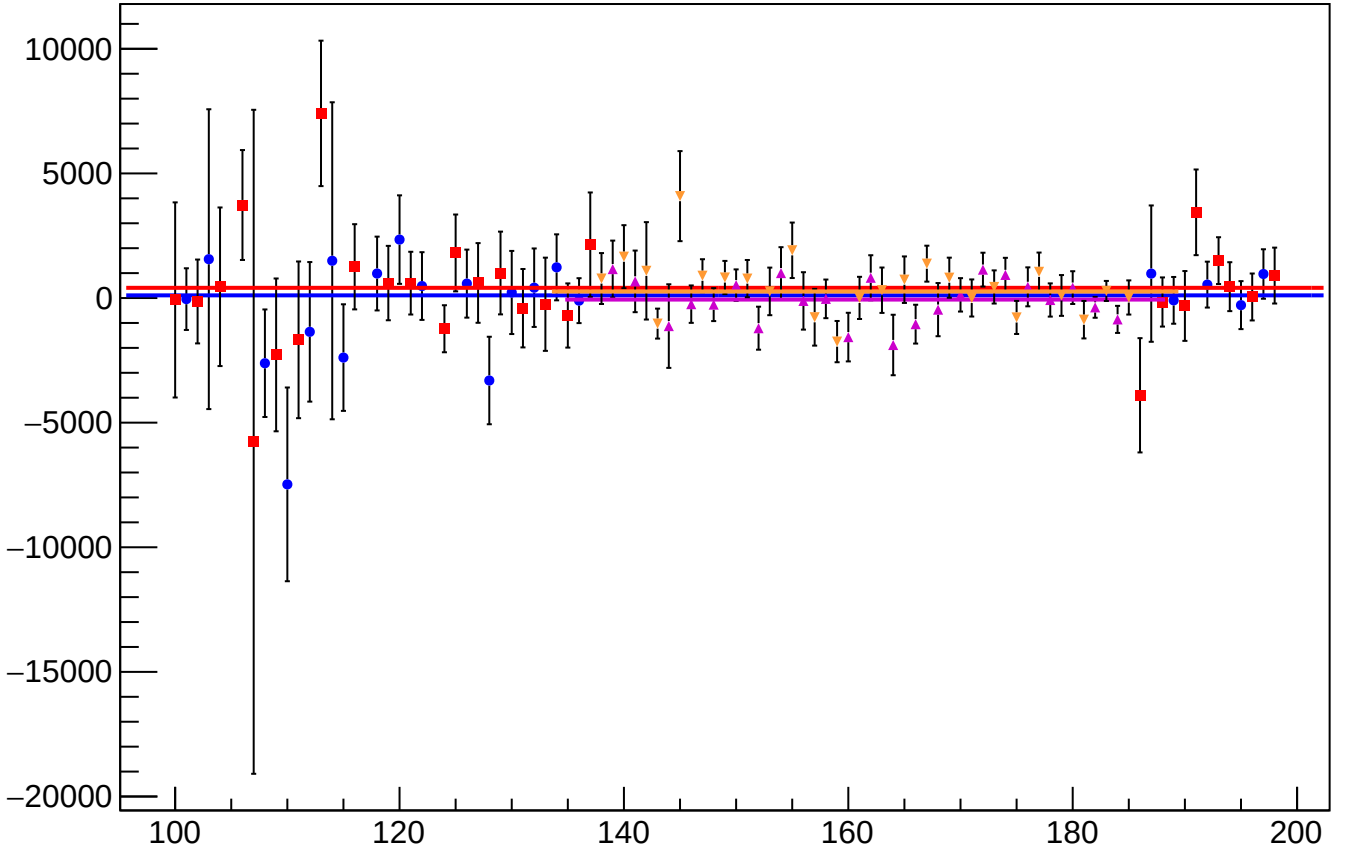
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2414.787+/-0.312 χ^2/NDF: 330750.7/45

All: 2422.170+/-0.220 χ^2/NDF: 1008103.5/95

- sign 2429.416+/-0.309 χ^2/NDF: 676246.0/49

asym_atl1_reg_correction_mean vs Slug



Right In: 107.711+/-306.894 χ^2/NDF: 15.2/20

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 409.771+/-283.325 χ^2/NDF: 24.6/26

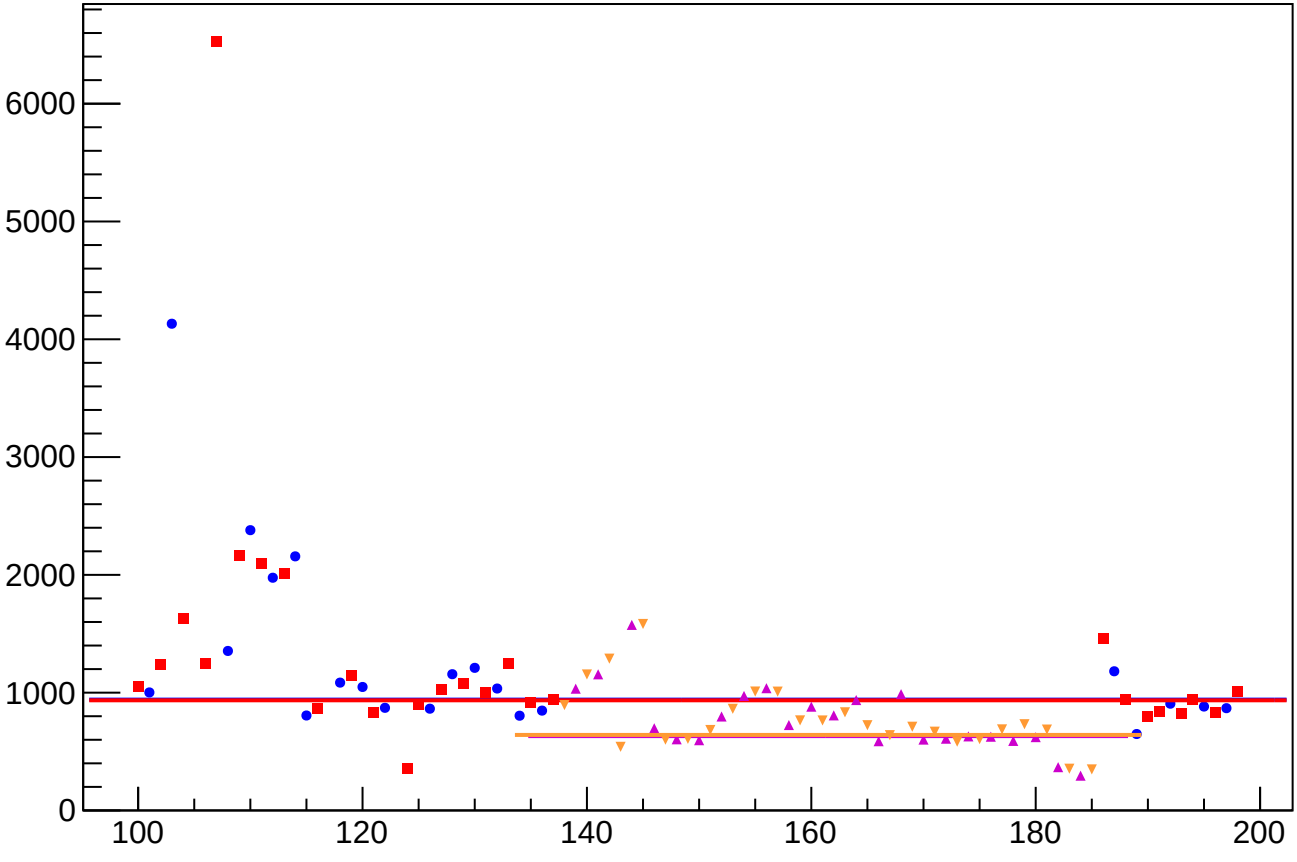
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 230.863+/-137.649 χ^2/NDF: 46.5/45

All: 140.035+/-97.311 χ^2/NDF: 96.1/95

- sign 49.288+/-137.589 χ^2/NDF: 48.7/49

asym_atl1_reg_correction_rms vs Slug



Right In: 940.929+/-0.217 χ^2/NDF: 1669963.1/20

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 935.152+/-0.200 χ^2/NDF: 2513260.2/26

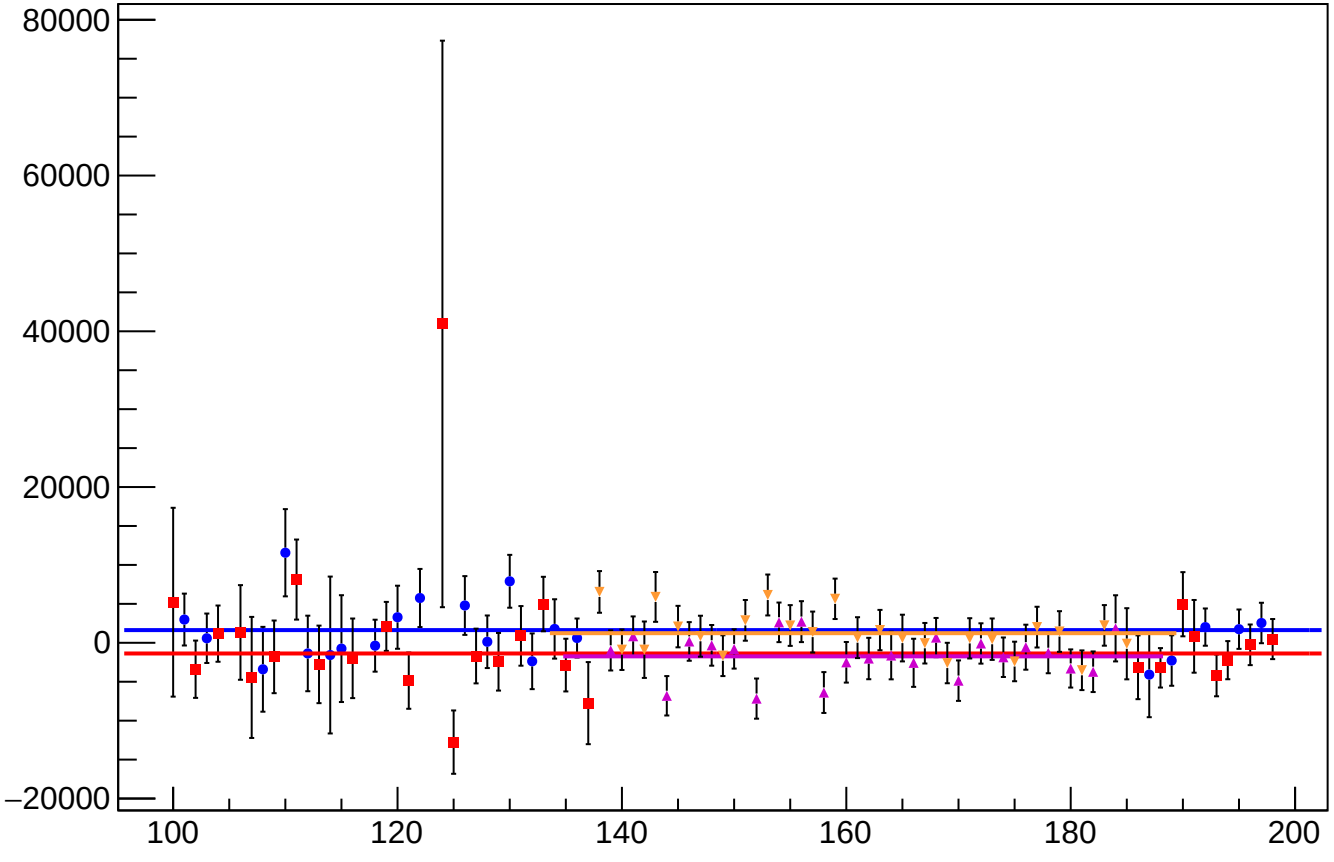
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 701.463+/-0.097 χ^2/NDF: 6669199.3/45

All: 702.171+/-0.069 χ^2/NDF: 14917003.3/95

- sign 702.879+/-0.097 χ^2/NDF: 8247698.1/49

cor_asym_atl1_mean vs Slug



Right In: 1629.409+/-764.598 χ^2/NDF: 15.1/20

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1373.136+/-715.475 χ^2/NDF: 26.9/26

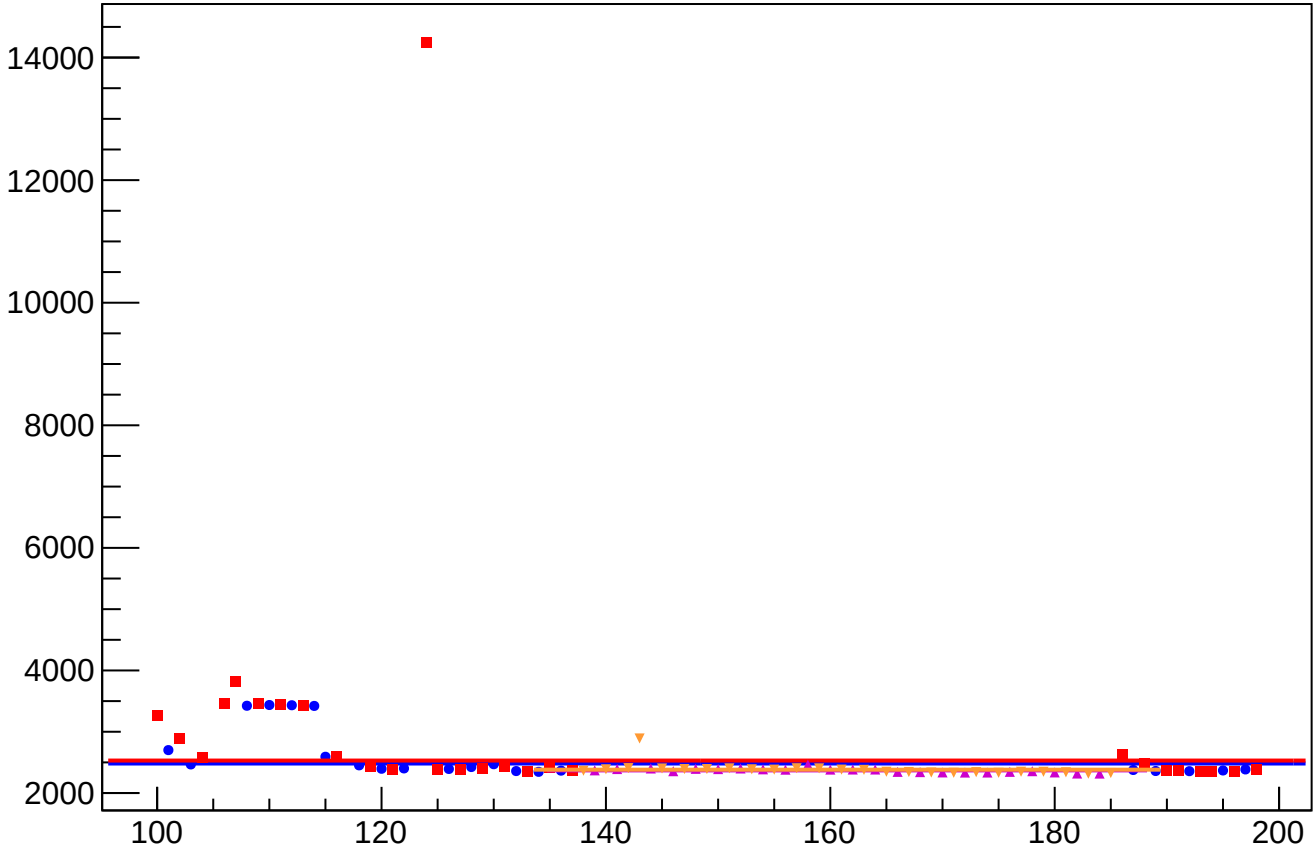
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.480+/-441.787 χ^2/NDF: 39.1/45

All: -132.594+/-310.924 χ^2/NDF: 113.4/95

- sign -1603.838+/-437.667 χ^2/NDF: 51.5/49

cor_asym_atl1_rms vs Slug



Right In: 2481.732+/-0.541 χ^2/NDF: 250111.3/20

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

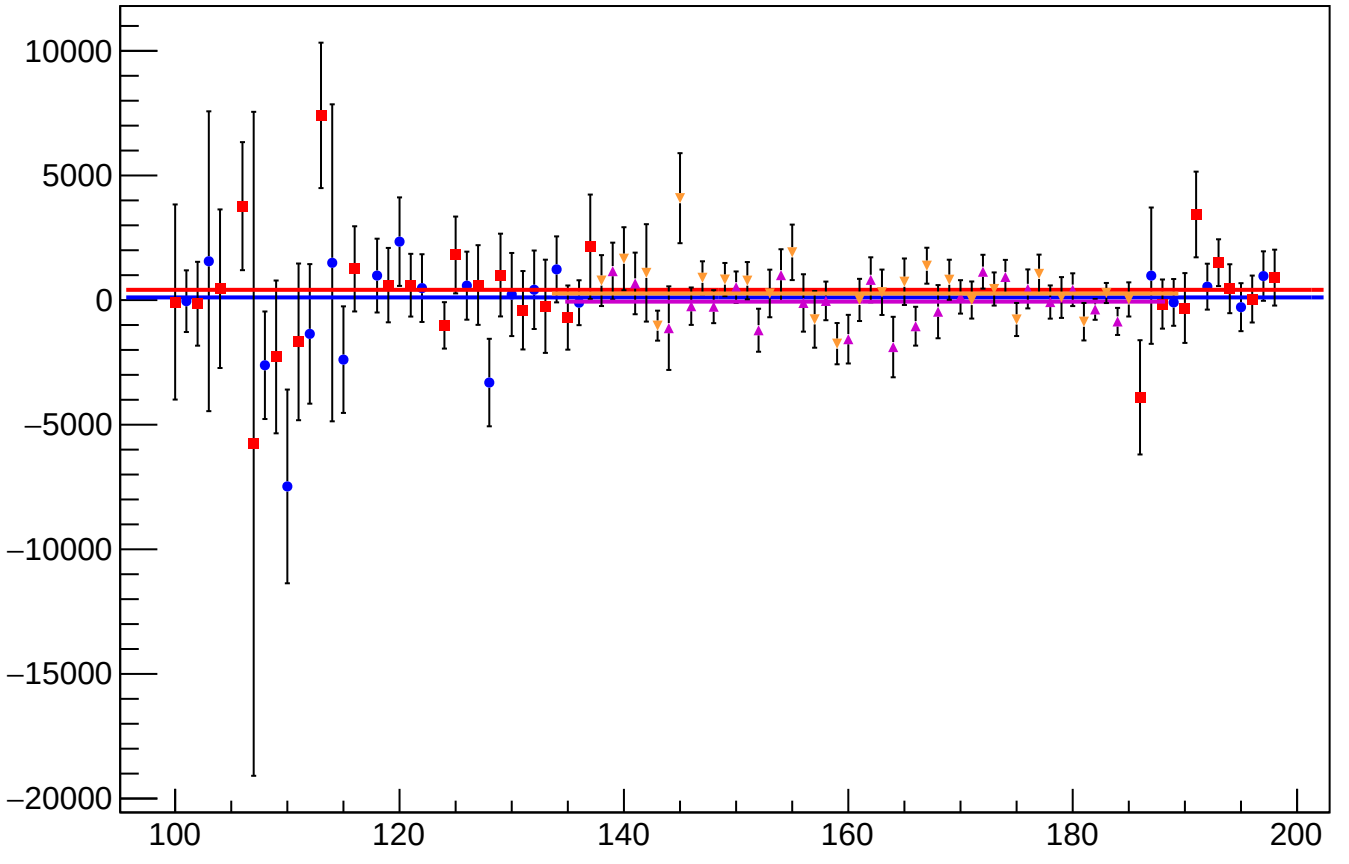
Right Out: 2530.036+/-0.506 χ^2/NDF: 609127.4/26

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2414.787+/-0.312 χ^2/NDF: 330750.7/45

All: 2422.212+/-0.220 χ^2/NDF: 1011135.0/95

- sign 2429.500+/-0.309 χ^2/NDF: 679264.8/49



Right In: 107.648+/-306.894 χ^2/NDF: 15.2/20

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 411.514+/-283.602 χ^2/NDF: 23.4/26

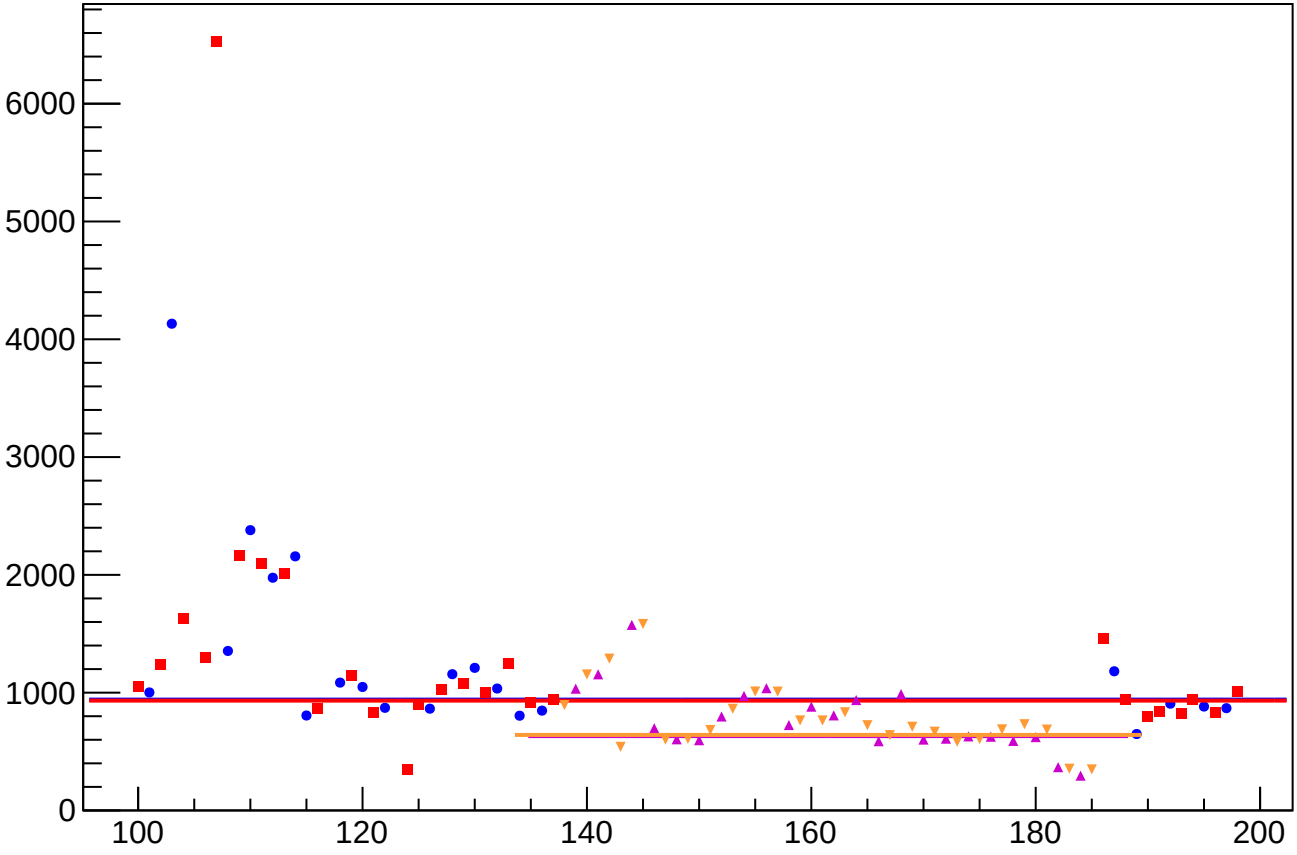
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 231.076+/-137.651 χ^2/NDF: 46.5/45

All: 140.277+/-97.323 χ^2/NDF: 94.8/95

- sign 49.519+/-137.620 χ^2/NDF: 47.5/49

asym_atl1_cor_correction_rms vs Slug



Right In: 940.932+/-0.217 χ^2/NDF: 1669914.7/20

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 932.563+/-0.201 χ^2/NDF: 2544747.9/26

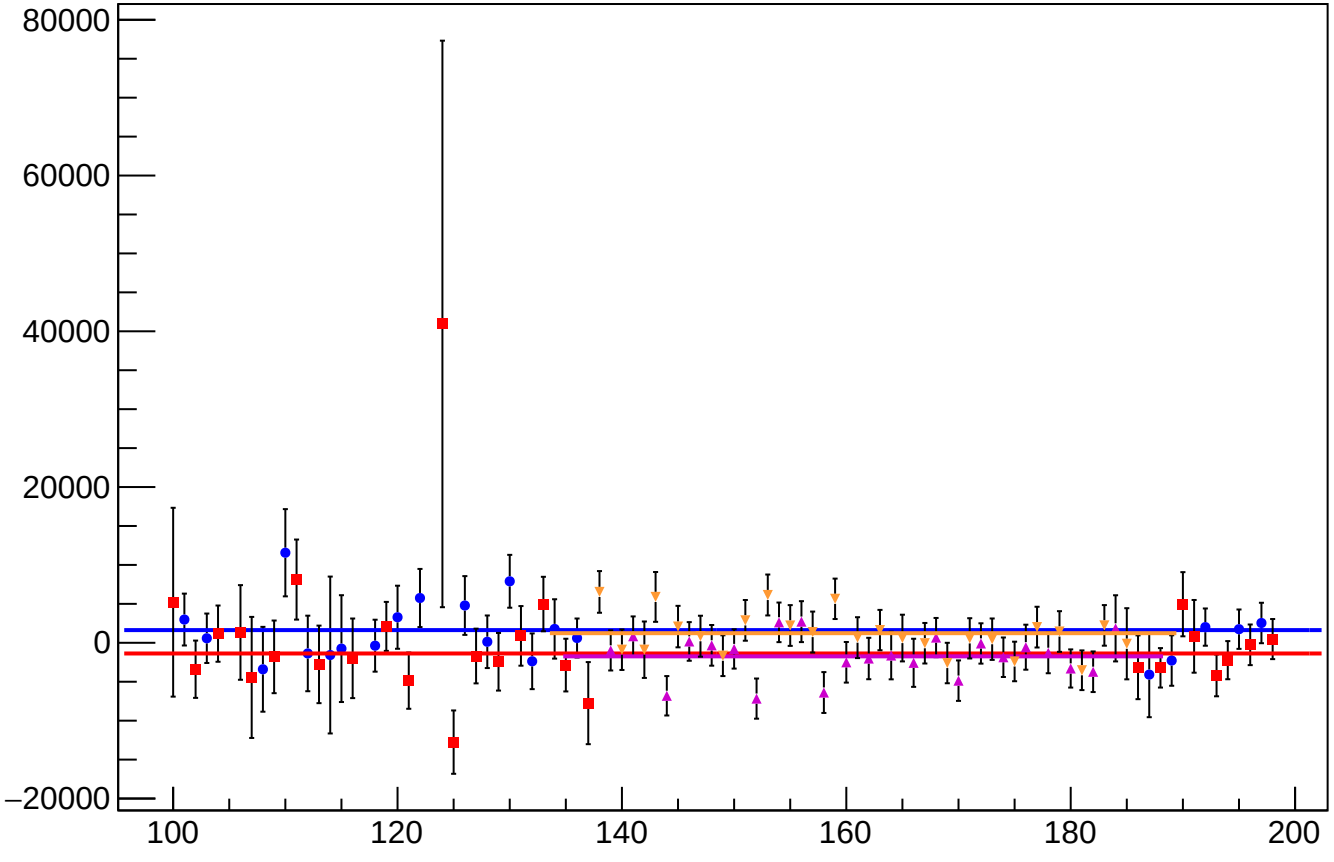
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 701.475+/-0.097 χ^2/NDF: 6668764.4/45

All: 701.818+/-0.069 χ^2/NDF: 14915705.2/95

- sign 702.160+/-0.097 χ^2/NDF: 8246916.0/49

eigen_cor_asym_atl1_mean vs Slug



Right In: 1629.409+/-764.598 χ^2/NDF: 15.1/20

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1373.136+/-715.475 χ^2/NDF: 26.9/26

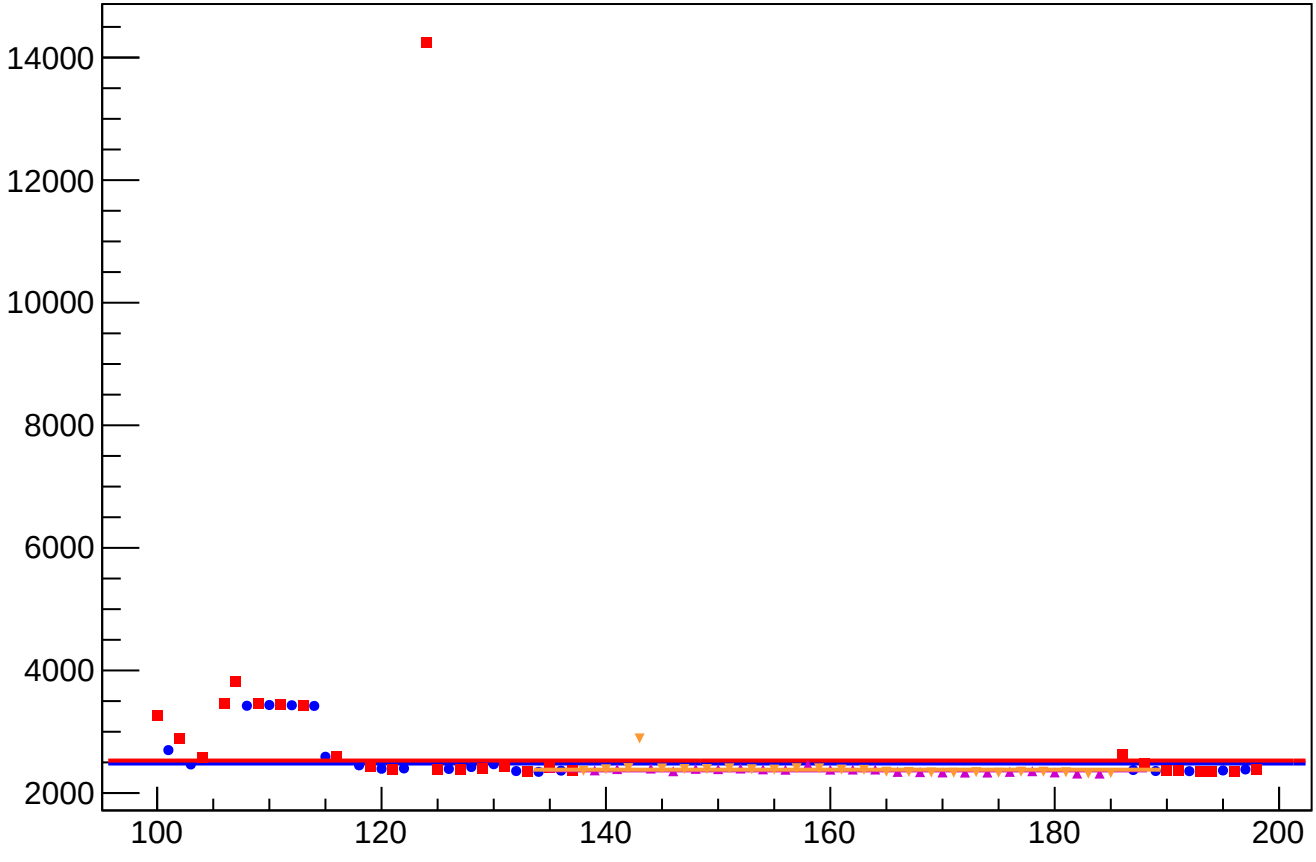
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.480+/-441.787 χ^2/NDF: 39.1/45

All: -132.594+/-310.924 χ^2/NDF: 113.4/95

- sign -1603.838+/-437.667 χ^2/NDF: 51.5/49

eigen_cor_asym_atl1_rms vs Slug



Right In: 2481.732+/-0.541 χ^2/NDF: 250111.3/20

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

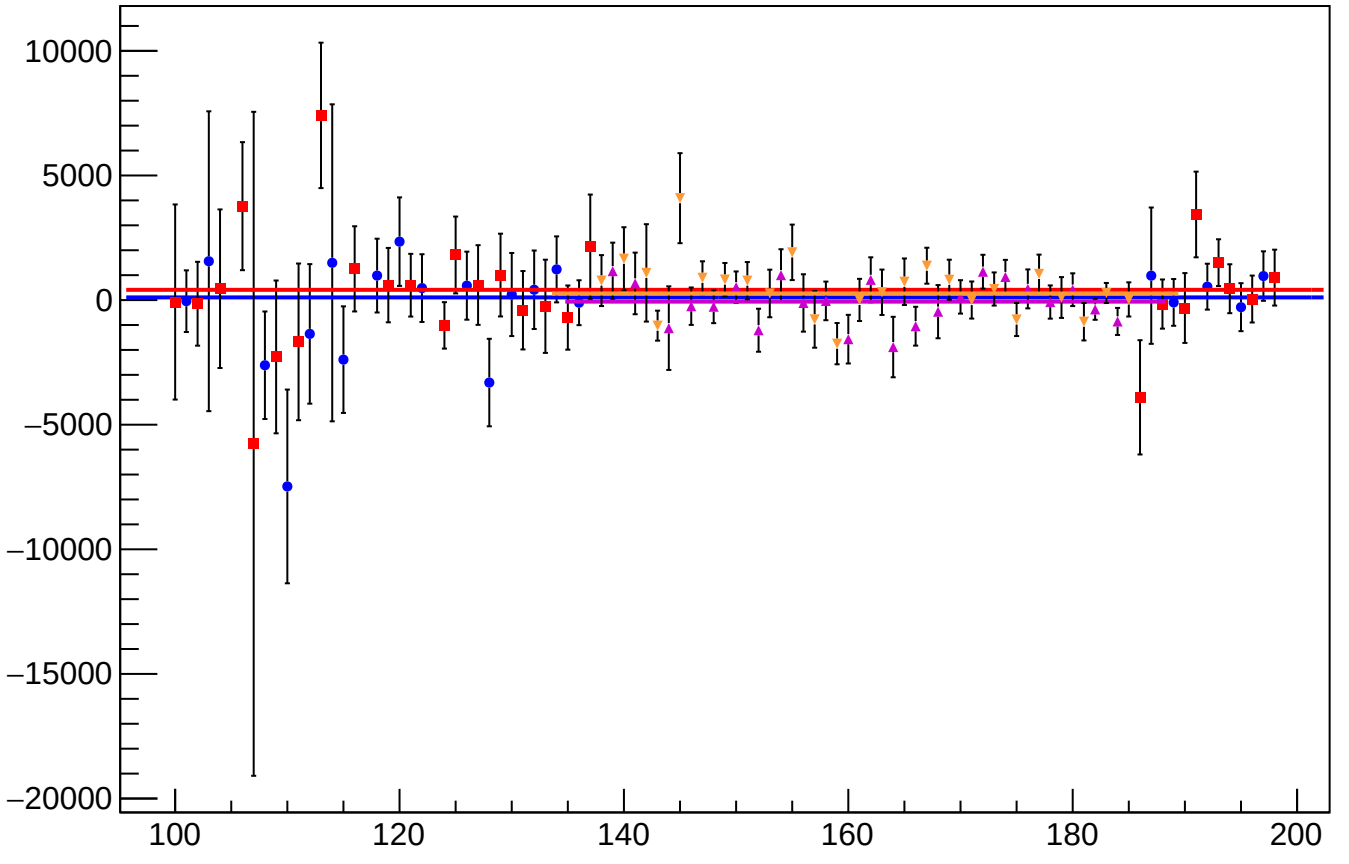
Right Out: 2530.036+/-0.506 χ^2/NDF: 609127.4/26

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2414.787+/-0.312 χ^2/NDF: 330750.7/45

All: 2422.212+/-0.220 χ^2/NDF: 1011135.0/95

- sign 2429.500+/-0.309 χ^2/NDF: 679264.8/49



Right In: 107.648+/-306.894 χ^2/NDF: 15.2/20

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 411.514+/-283.602 χ^2/NDF: 23.4/26

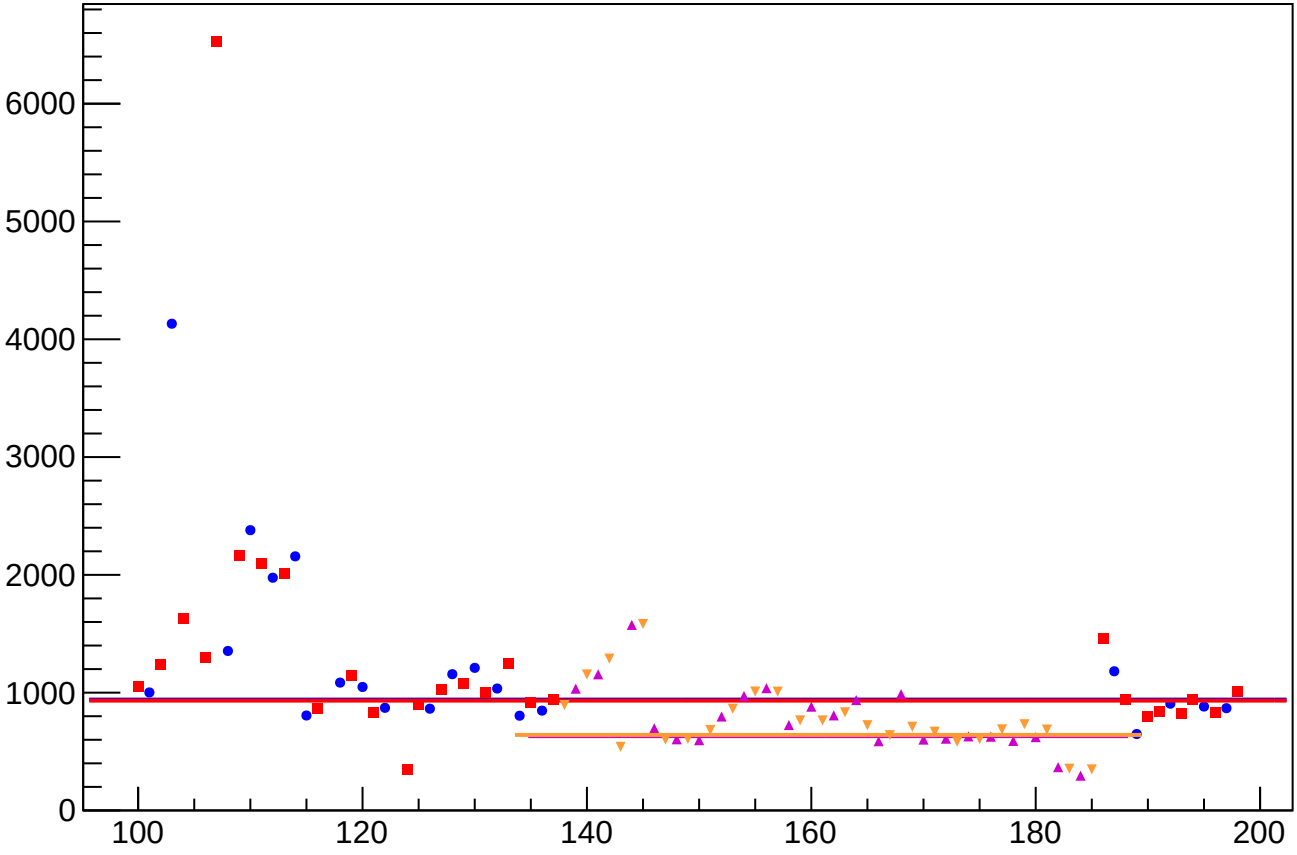
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 231.076+/-137.651 χ^2/NDF: 46.5/45

All: 140.277+/-97.323 χ^2/NDF: 94.8/95

\- sign 49.519+/-137.620 χ^2/NDF: 47.5/49

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 940.932+/-0.217 χ^2/NDF: 1669914.7/20

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 932.563+/-0.201 χ^2/NDF: 2544747.9/26

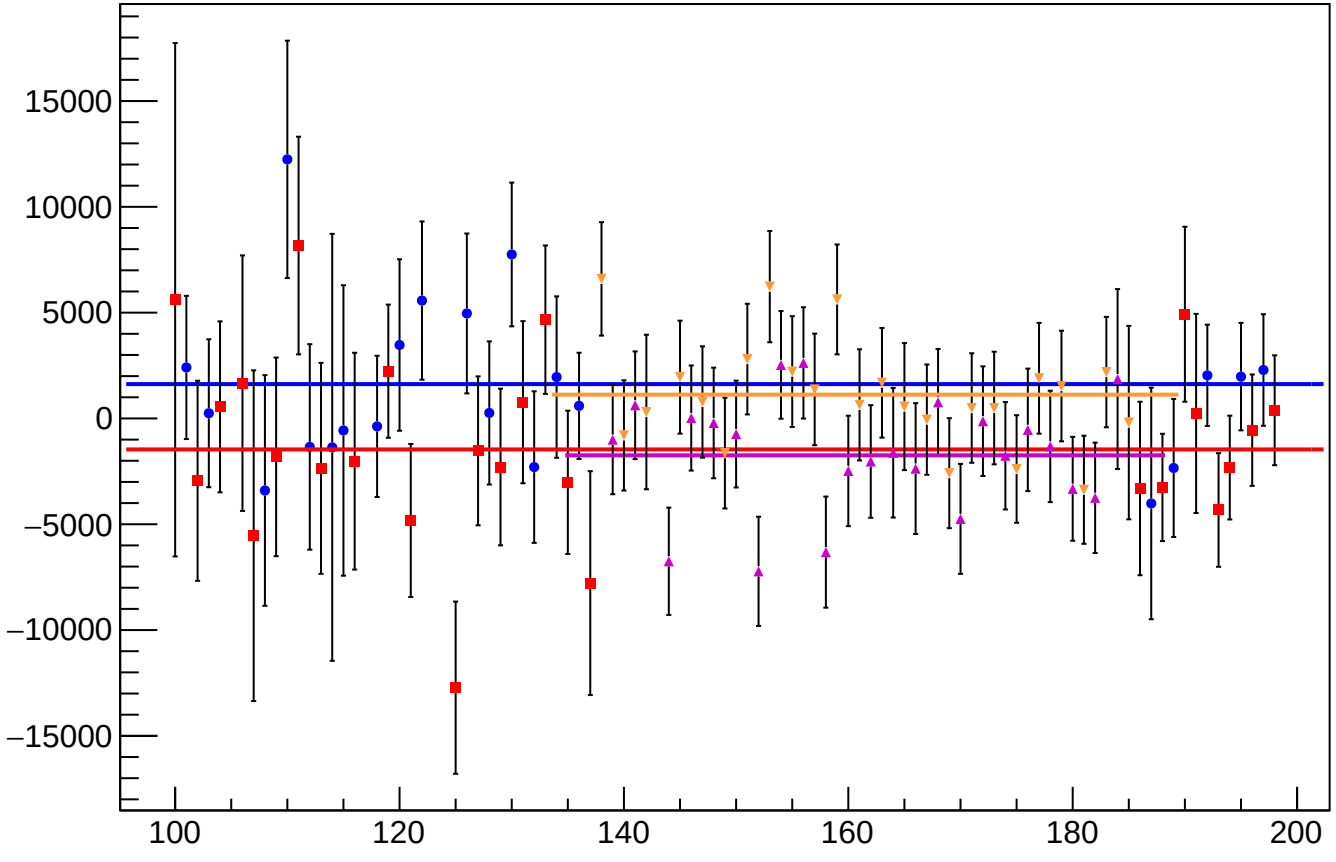
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 701.475+/-0.097 χ^2/NDF: 6668764.4/45

All: 701.818+/-0.069 χ^2/NDF: 14915705.2/95

- sign 702.160+/-0.097 χ^2/NDF: 8246916.0/49

dit_asym_atl1_mean vs Slug



Right In: 1623.291+/-771.291 χ^2/NDF: 15.1/20

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1462.862+/-725.767 χ^2/NDF: 24.9/25

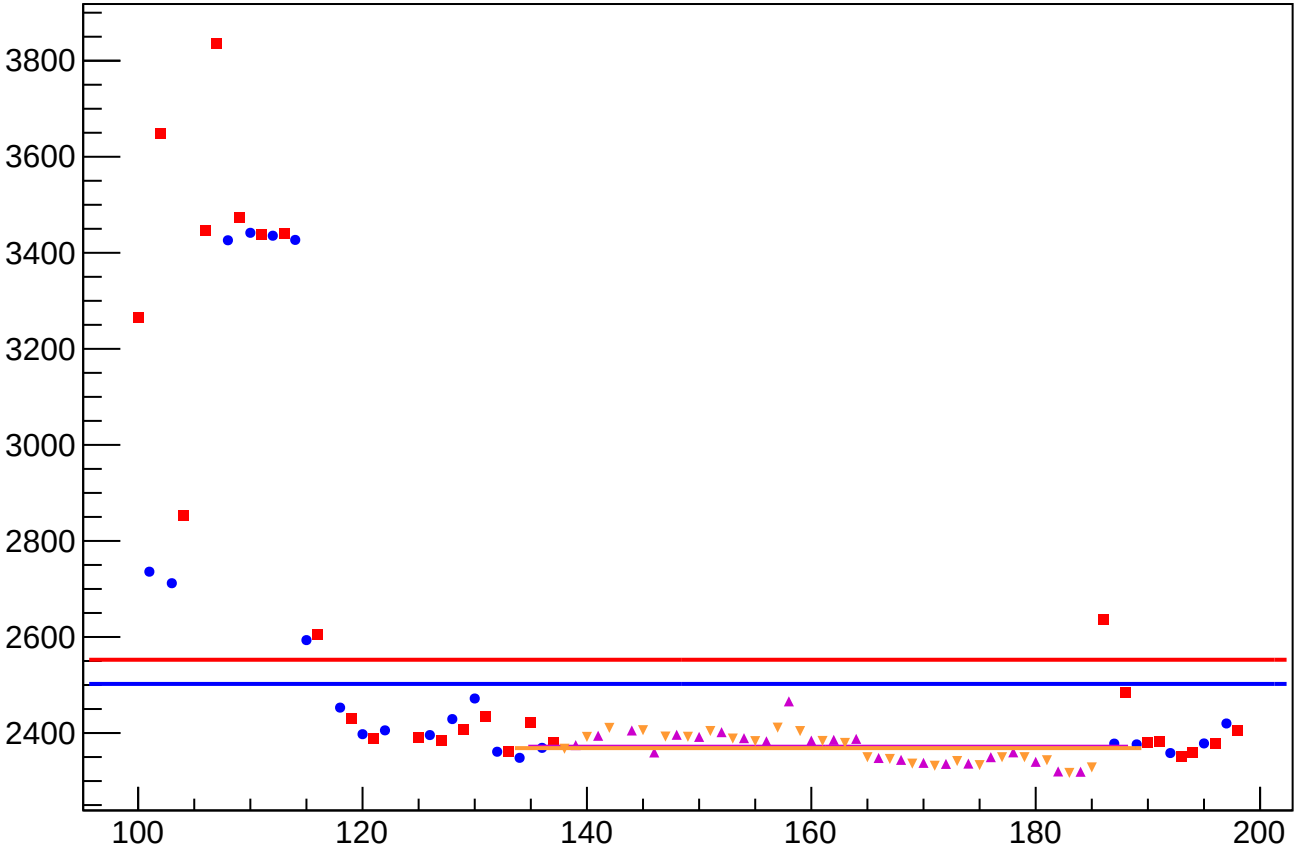
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1293.273+/-447.717 χ^2/NDF: 36.6/44

All: -197.787+/-313.908 χ^2/NDF: 107.1/93

- sign -1639.483+/-440.243 χ^2/NDF: 48.7/48

dit_asym_atl1_rms vs Slug



Right In: 2502.258+/-0.545 χ^2/NDF: 257114.0/20

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2552.577+/-0.513 χ^2/NDF: 501478.7/25

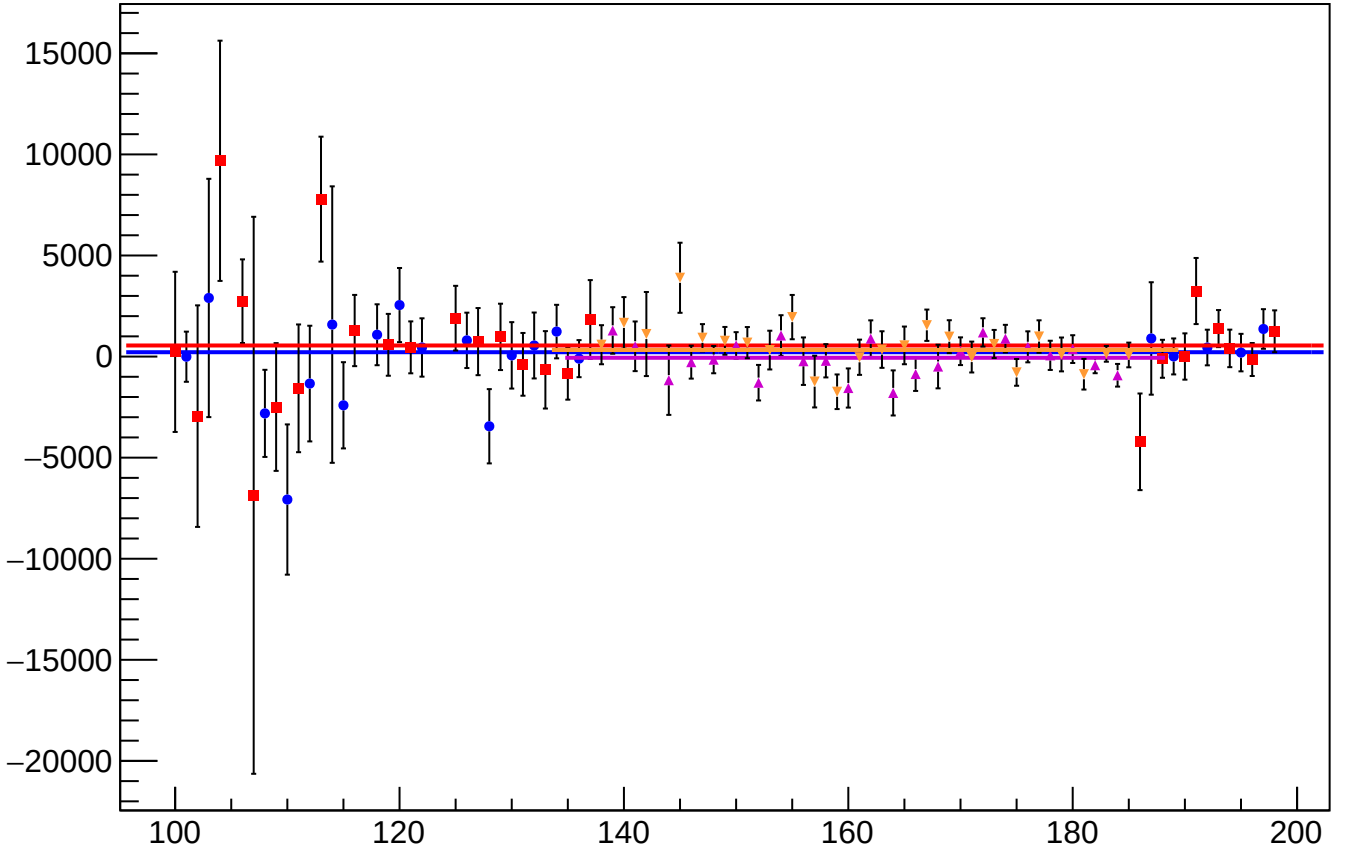
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2413.616+/-0.317 χ^2/NDF: 302526.4/44

All: 2426.084+/-0.222 χ^2/NDF: 892782.5/93

- sign 2438.139+/-0.311 χ^2/NDF: 587205.5/48

asym_atl1_dit_correction_mean vs Slug



Right In: 215.621+/-304.747 χ^2/NDF: 16.4/20

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 548.619+/-289.313 χ^2/NDF: 23.9/25

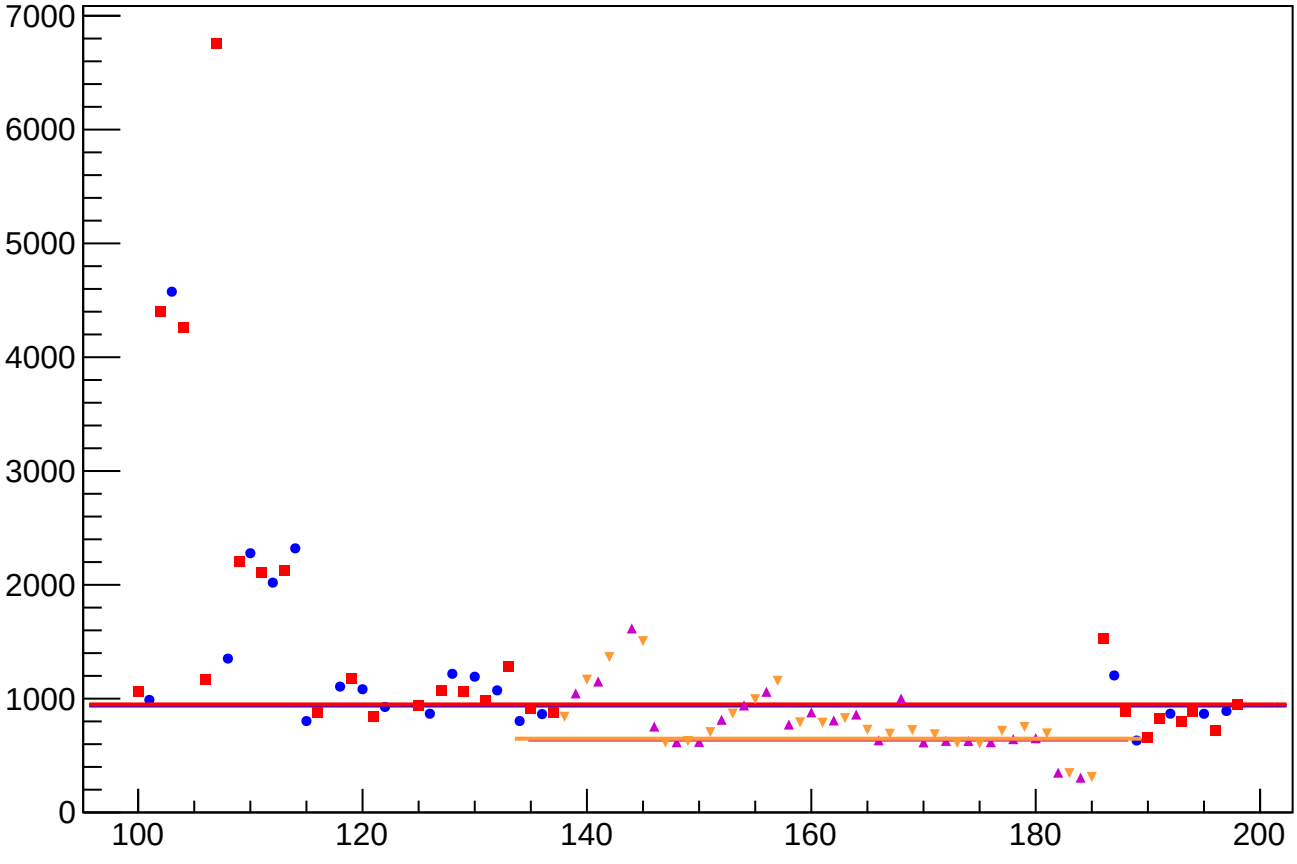
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 302.104+/-141.691 χ^2/NDF: 43.3/44

All: 190.764+/-99.513 χ^2/NDF: 94.4/93

- sign 82.388+/-139.793 χ^2/NDF: 50.0/48

asym_atl1_dit_correction_rms vs Slug



Right In: 939.748+/-0.215 χ^2/NDF: 1943111.4/20

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 949.127+/-0.205 χ^2/NDF: 3300574.4/25

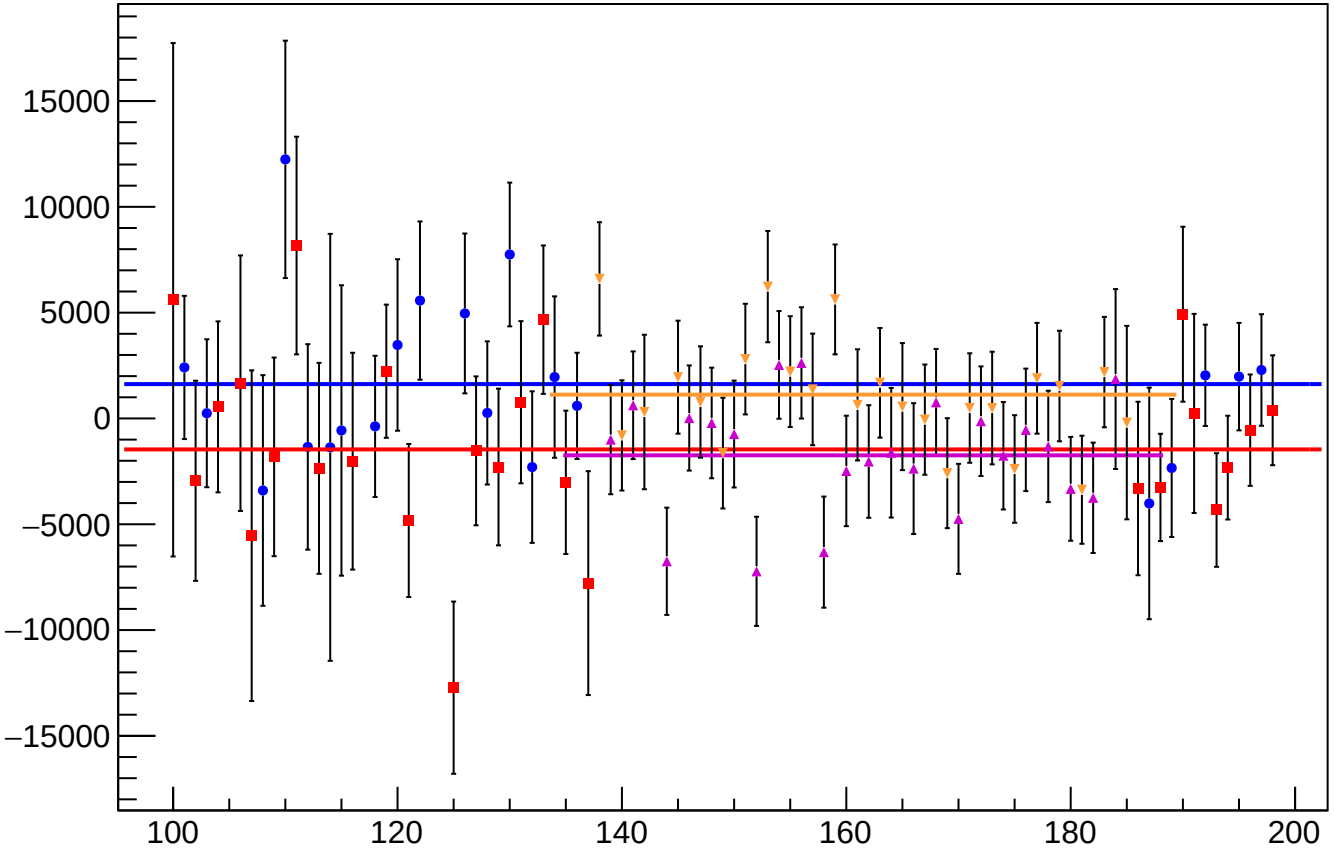
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 711.147+/-0.100 χ^2/NDF: 7265876.2/44

All: 711.831+/-0.070 χ^2/NDF: 16440757.5/93

- sign 712.496+/-0.099 χ^2/NDF: 9174789.5/48

eigen_dit_asym_atl1_mean vs Slug



Right In: 1623.288+/-771.291 χ^2/NDF: 15.1/20

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1462.861+/-725.767 χ^2/NDF: 24.9/25

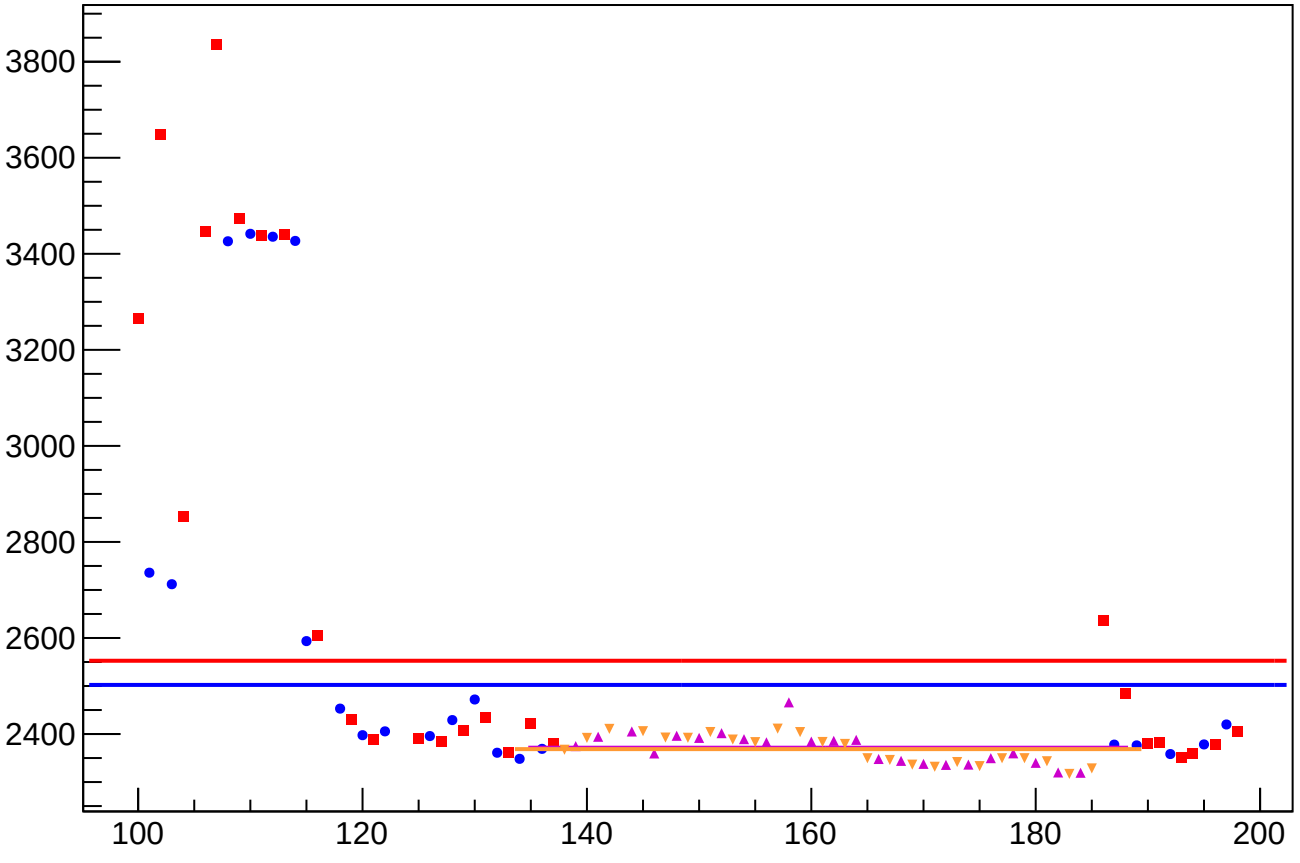
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1293.273+/-447.717 χ^2/NDF: 36.6/44

All: -197.787+/-313.908 χ^2/NDF: 107.1/93

- sign -1639.483+/-440.243 χ^2/NDF: 48.7/48

eigen_dit_asym_atl1_rms vs Slug



Right In: 2502.258+/-0.545 χ^2/NDF: 257113.6/20

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2552.577+/-0.513 χ^2/NDF: 501477.9/25

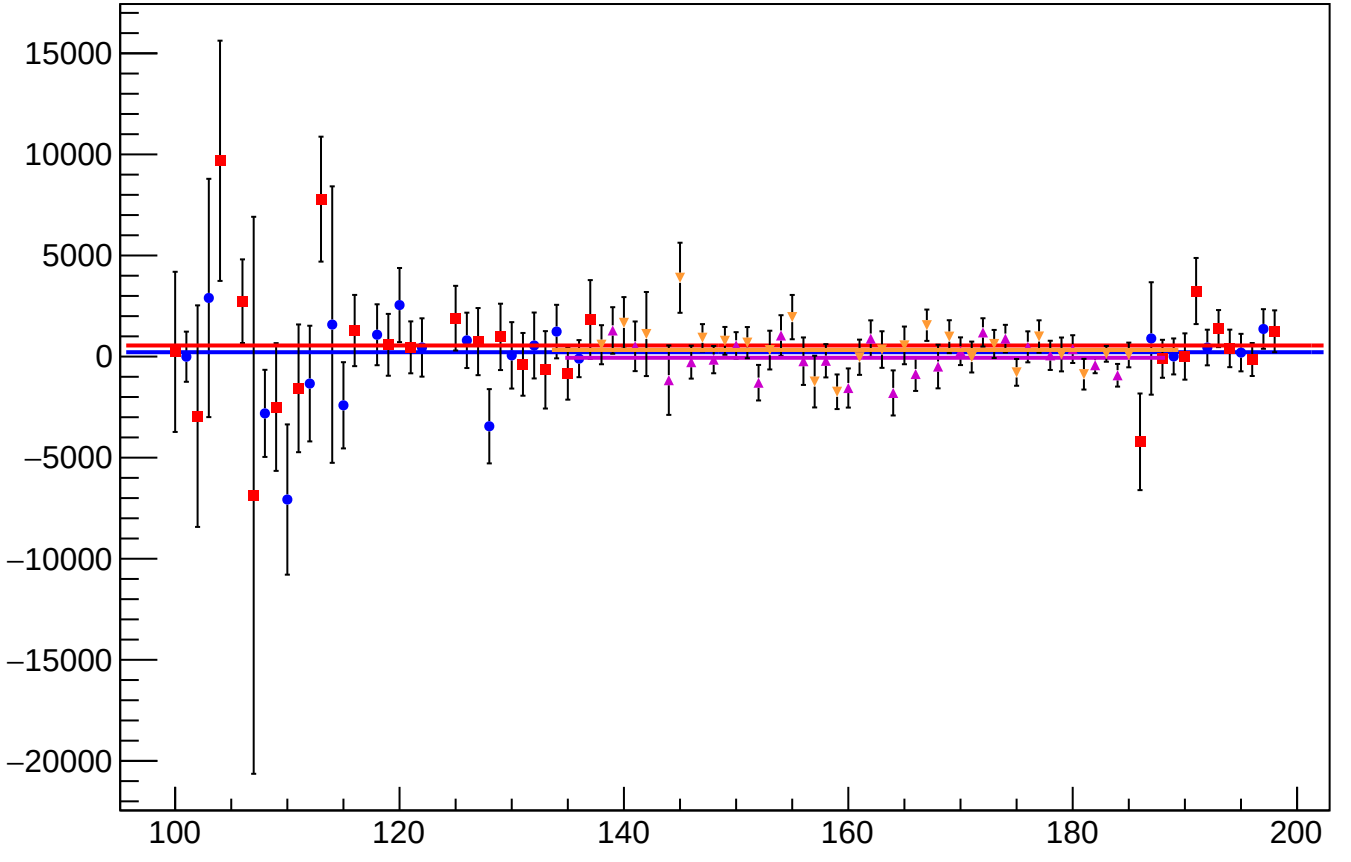
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2413.616+/-0.317 χ^2/NDF: 302525.9/44

All: 2426.084+/-0.222 χ^2/NDF: 892781.0/93

- sign 2438.139+/-0.311 χ^2/NDF: 587204.5/48

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 215.620+/-304.747 χ^2/NDF: 16.4/20

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 548.620+/-289.313 χ^2/NDF: 23.9/25

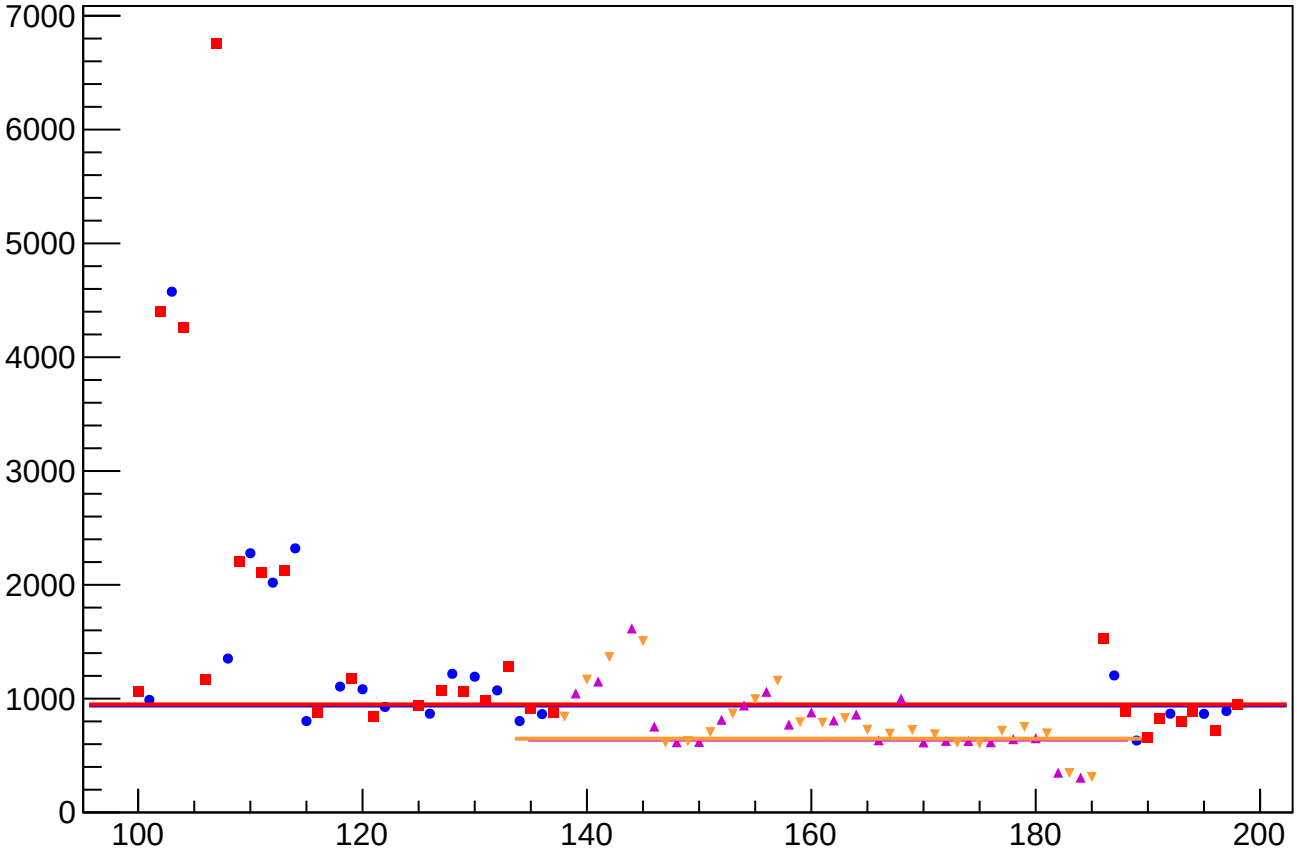
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 302.103+/-141.691 χ^2/NDF: 43.3/44

All: 190.764+/-99.513 χ^2/NDF: 94.4/93

- sign 82.388+/-139.793 χ^2/NDF: 50.0/48

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 939.747+/-0.215 χ^2/NDF: 1943109.7/20

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 949.127+/-0.205 χ^2/NDF: 3300572.9/25

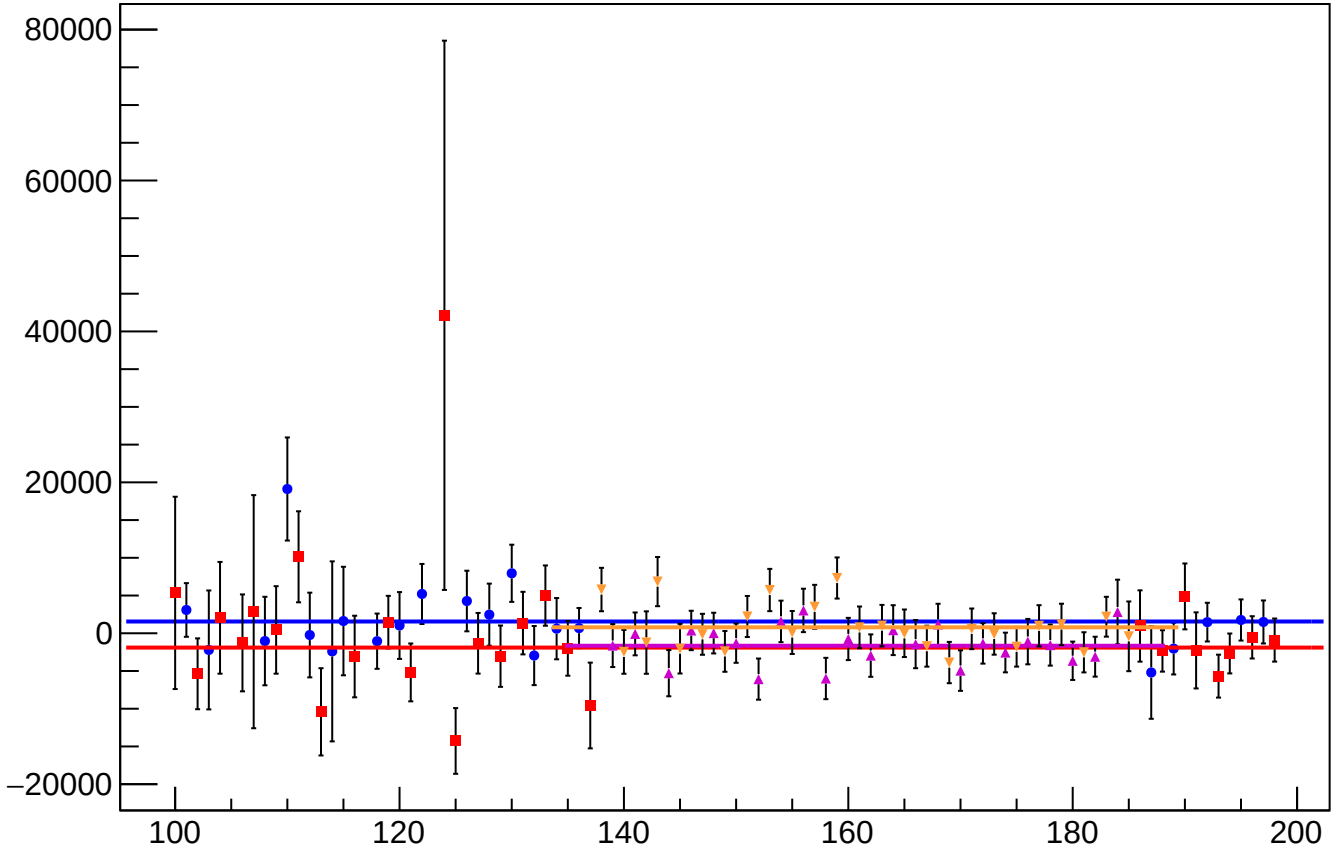
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 711.148+/-0.100 χ^2/NDF: 7265872.5/44

All: 711.831+/-0.070 χ^2/NDF: 16440754.2/93

- sign 712.497+/-0.099 χ^2/NDF: 9174789.8/48

asym_atl1_mean vs Slug



Right In: 1559.385+/-854.007 χ^2/NDF: 15.9/20

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1896.831+/-800.671 χ^2/NDF: 29.4/26

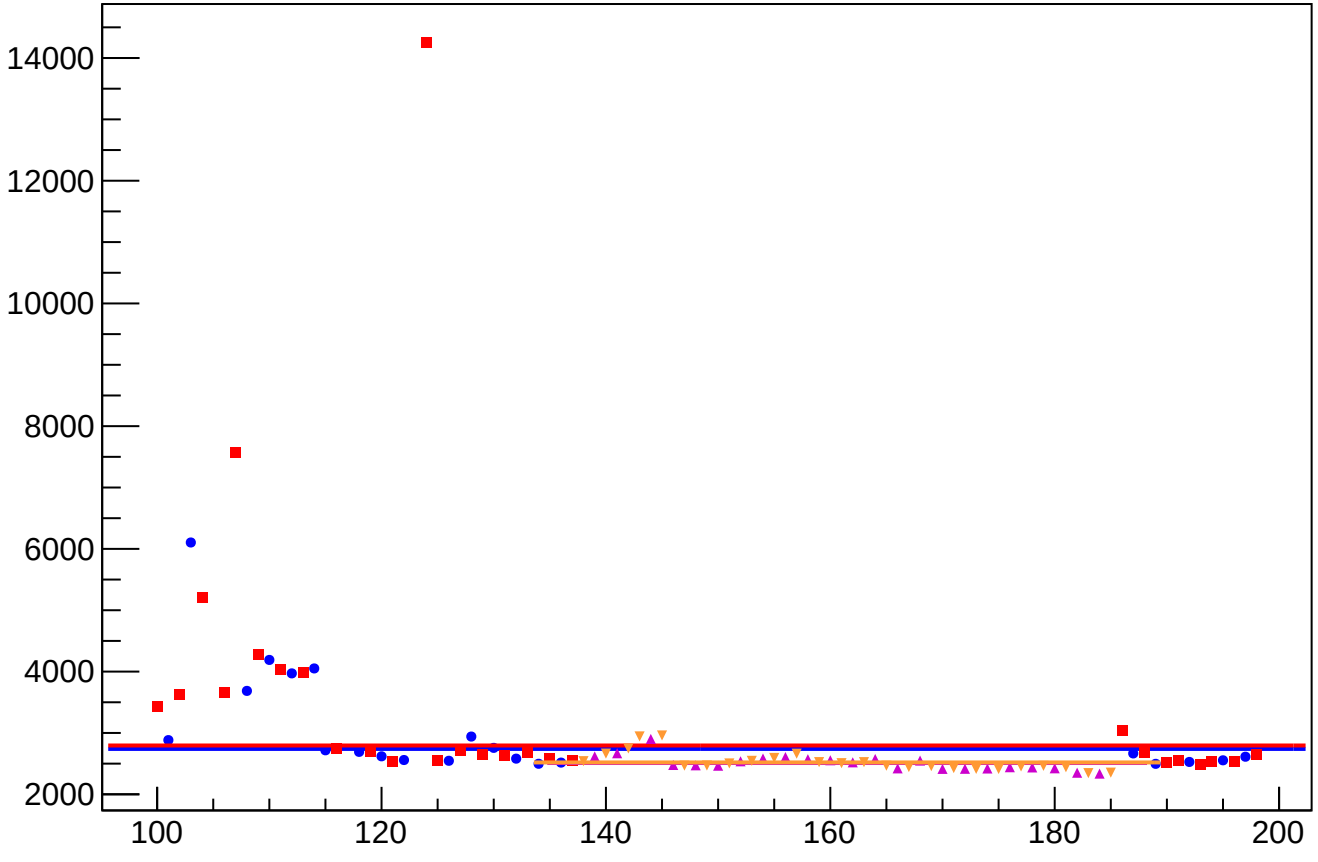
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1029.985+/-475.974 χ^2/NDF: 43.6/45

All: -362.486+/-335.609 χ^2/NDF: 107.4/95

- sign -1739.254+/-473.282 χ^2/NDF: 46.7/49

asym_atl1_rms vs Slug



Right In: 2739.820+/-0.604 χ^2/NDF: 707476.3/20

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2795.597+/-0.566 χ^2/NDF: 1127691.4/26

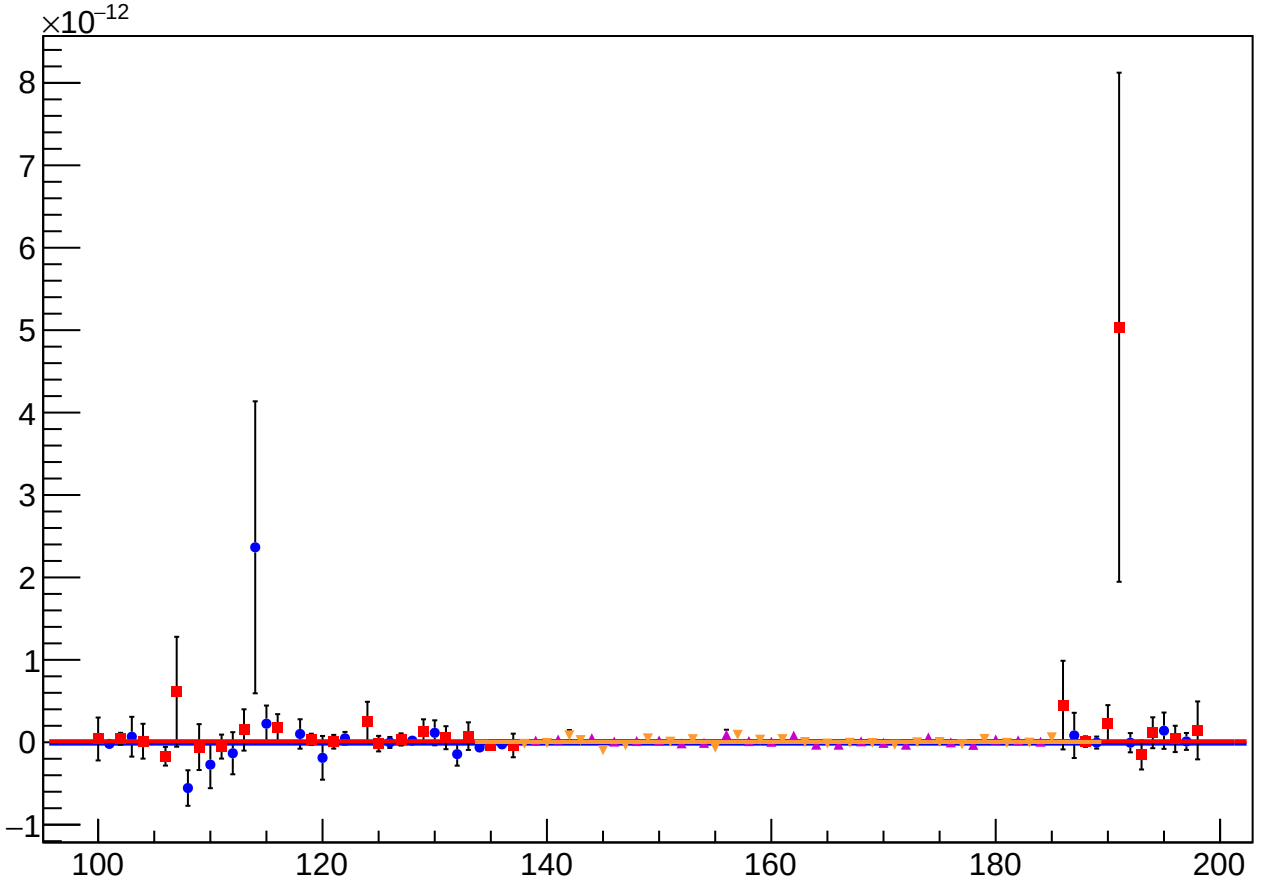
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2587.949+/-0.337 χ^2/NDF: 914430.7/45

All: 2598.982+/-0.237 χ^2/NDF: 2283403.7/95

- sign 2609.891+/-0.335 χ^2/NDF: 1366835.7/49

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/26

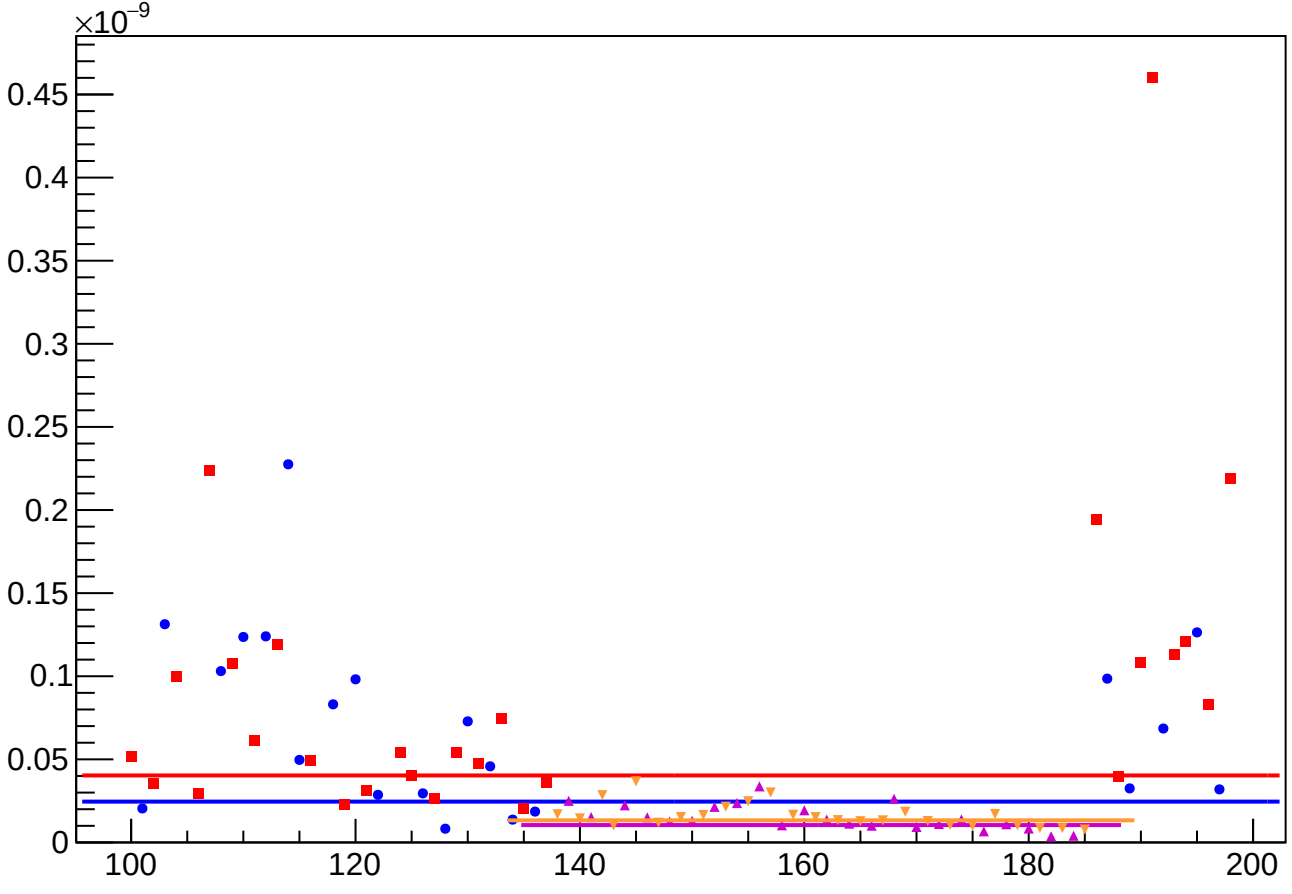
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.3/45

All: 0.000+/-0.000 χ^2/NDF: 95.3/95

- sign 0.000+/-0.000 χ^2/NDF: 46.1/49

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3277047.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3095217.7/26

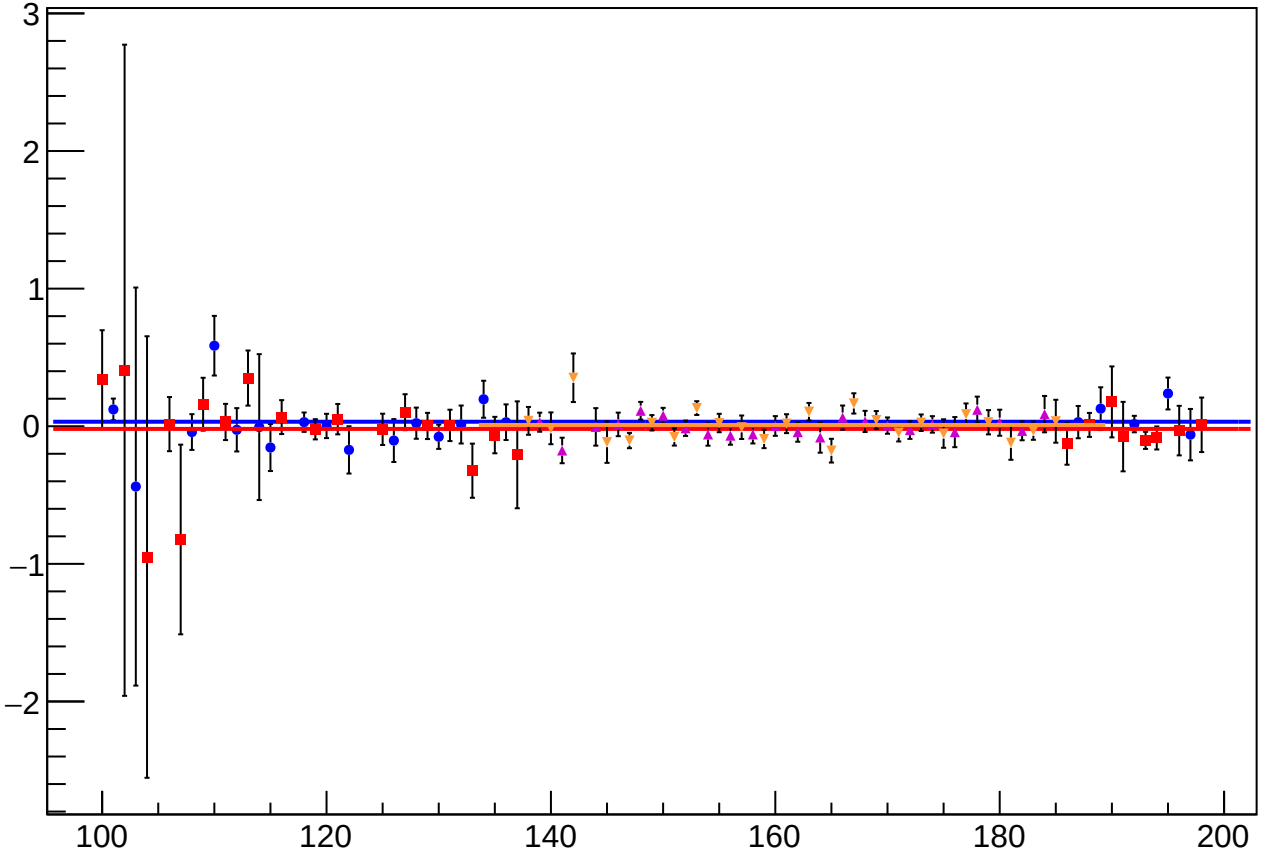
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5622006.6/45

All: 0.000+/-0.000 χ^2/NDF: 15301237.9/95

- sign 0.000+/-0.000 χ^2/NDF: 9400741.5/49

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.025 χ^2/NDF: 15.5/25

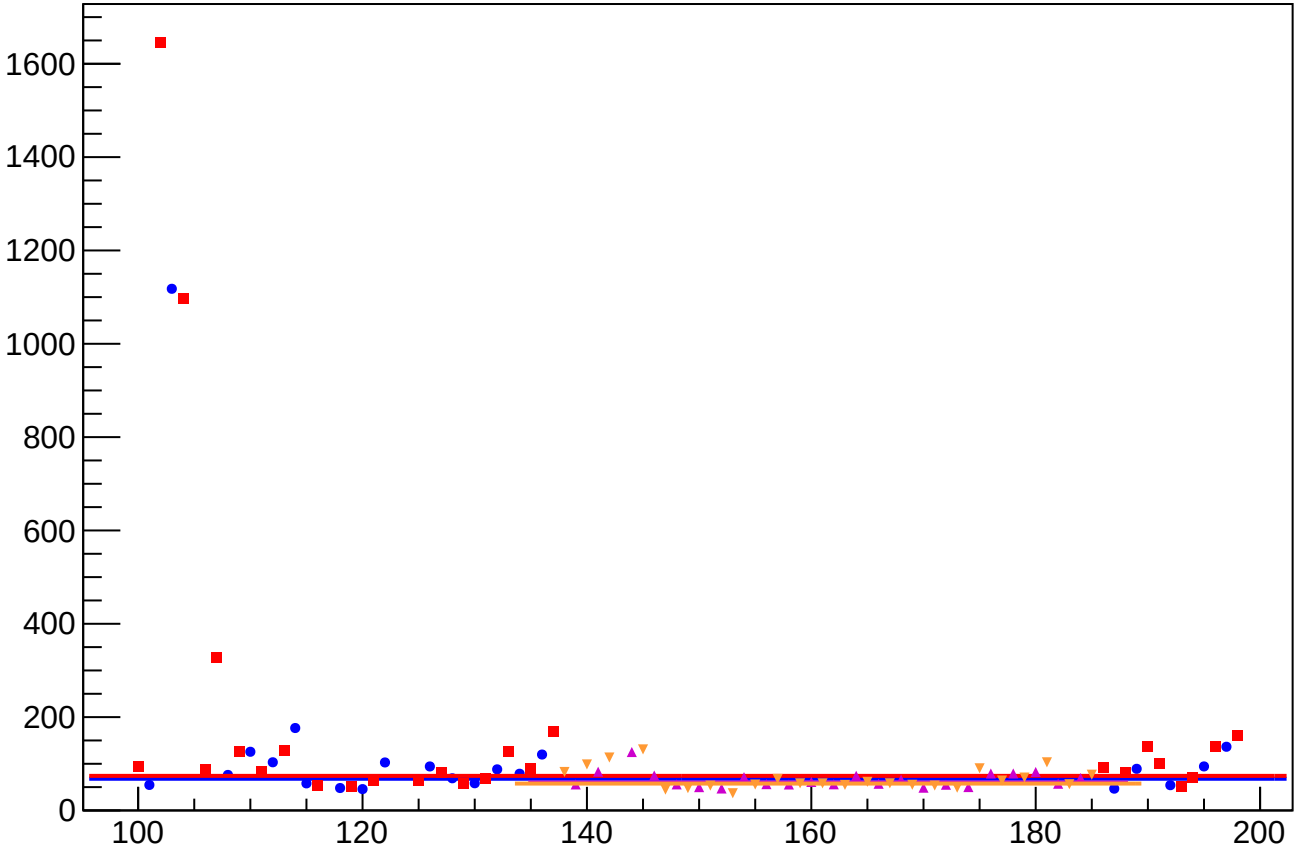
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 54.1/44

All: 0.006+/-0.009 χ^2/NDF: 86.8/93

- sign -0.005+/-0.013 χ^2/NDF: 31.5/48

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 67.912+/-0.018 χ^2/NDF: 2860663.4/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002884.6/25

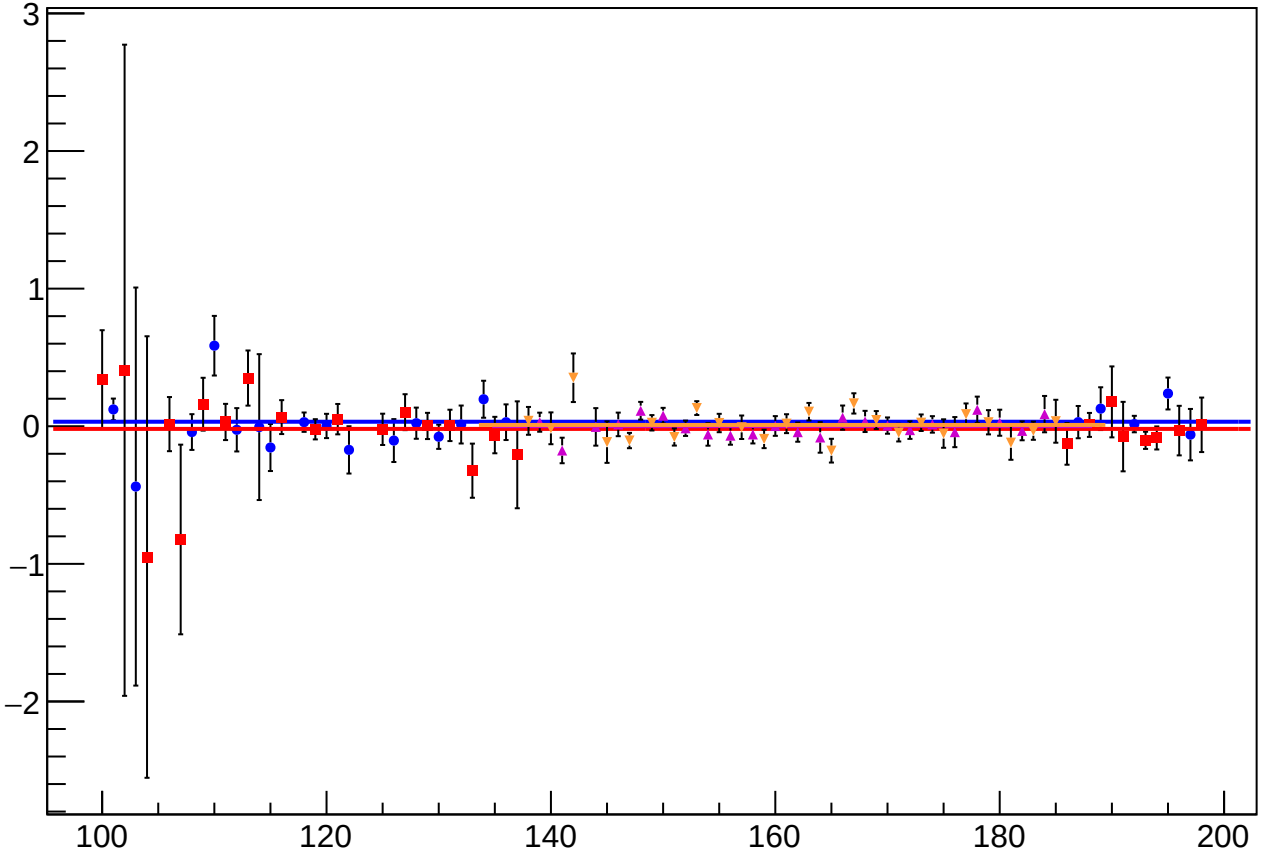
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 60.358+/-0.009 χ^2/NDF: 5322362.5/44

All: 61.997+/-0.007 χ^2/NDF: 11193893.4/93

- sign 63.710+/-0.009 χ^2/NDF: 5805831.7/48

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.025 χ^2/NDF: 15.5/25

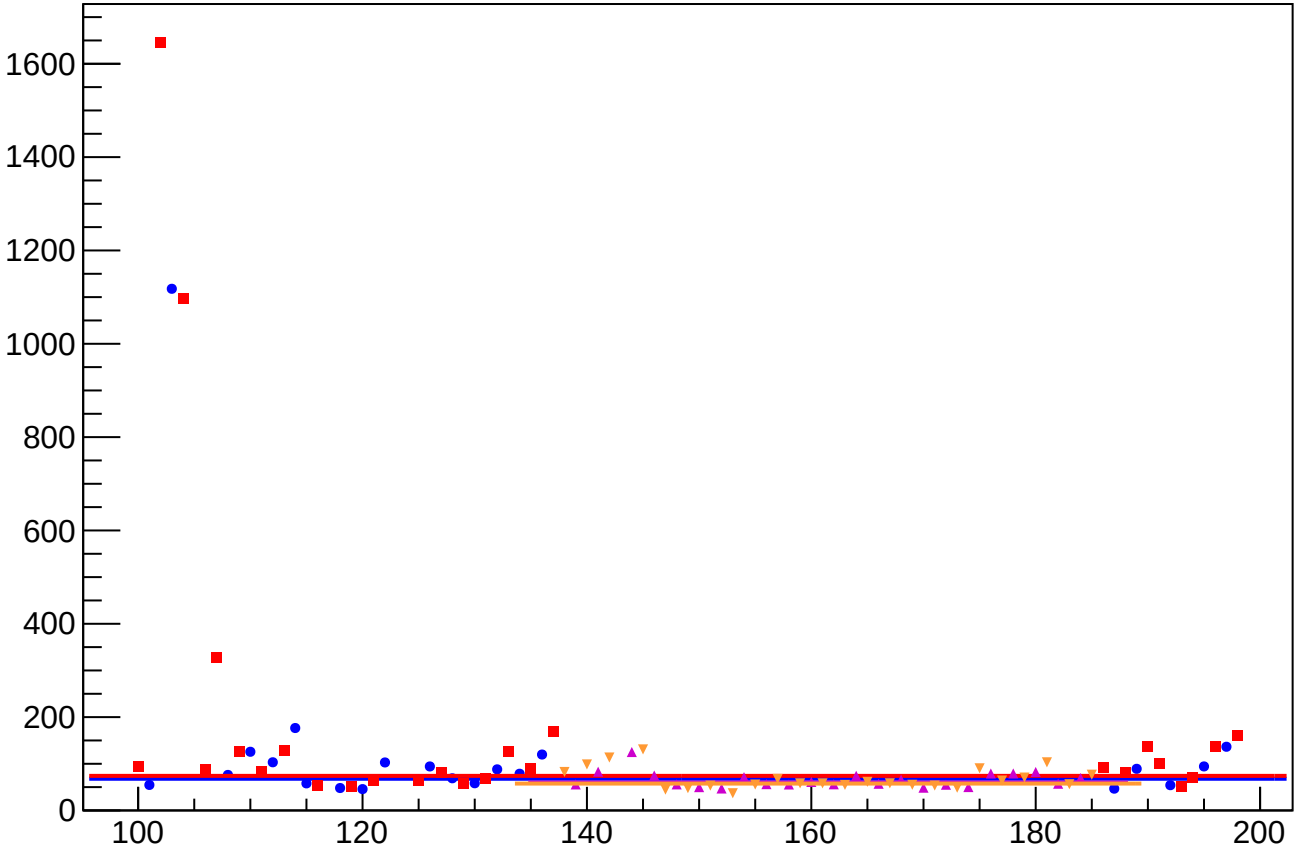
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 54.1/44

All: 0.006+/-0.009 χ^2/NDF: 86.8/93

- sign -0.005+/-0.013 χ^2/NDF: 31.5/48

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.912+/-0.018 χ^2/NDF: 2860663.4/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002884.6/25

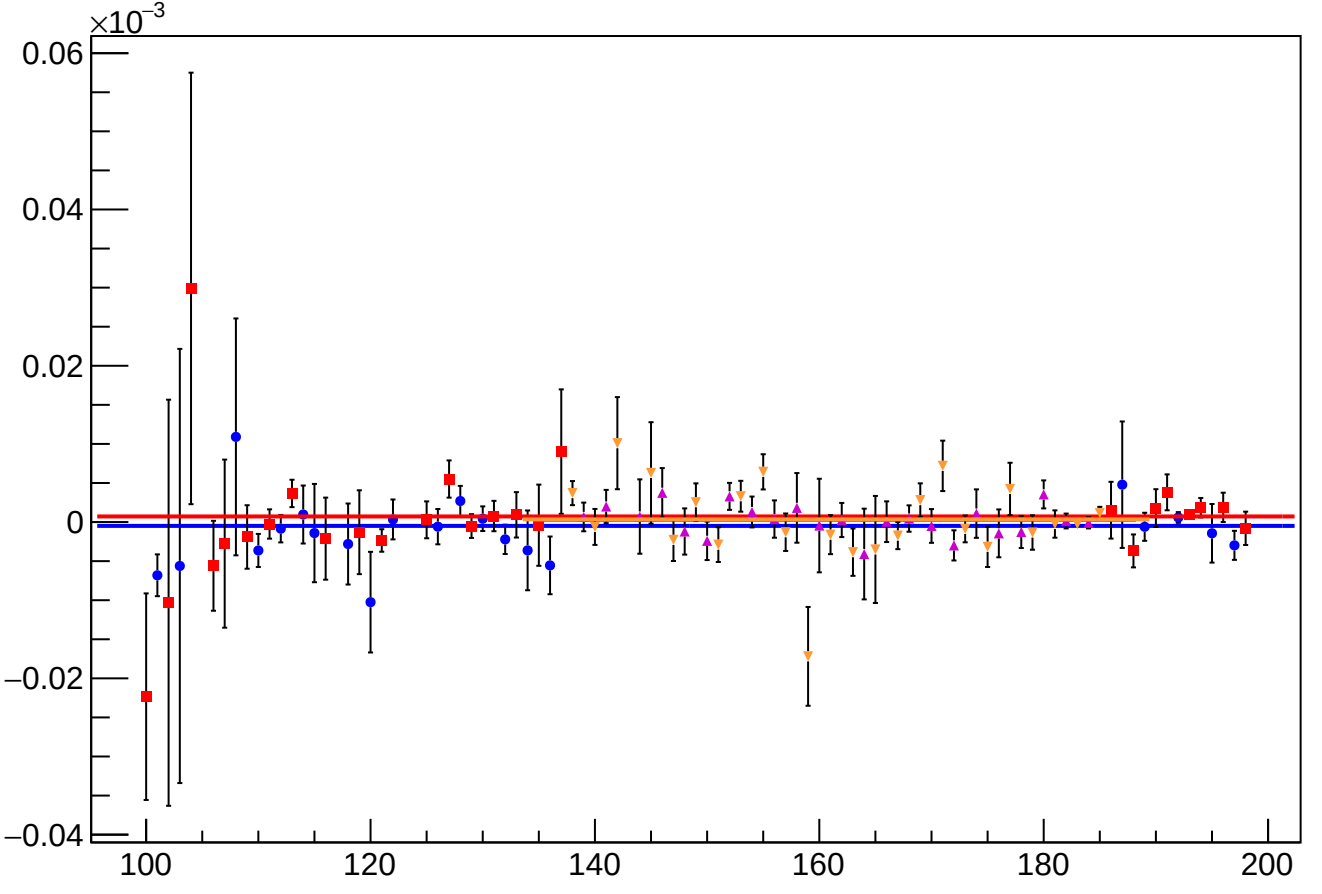
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 60.358+/-0.009 χ^2/NDF: 5322362.5/44

All: 61.997+/-0.007 χ^2/NDF: 11193893.4/93

- sign 63.710+/-0.009 χ^2/NDF: 5805831.7/48

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/25

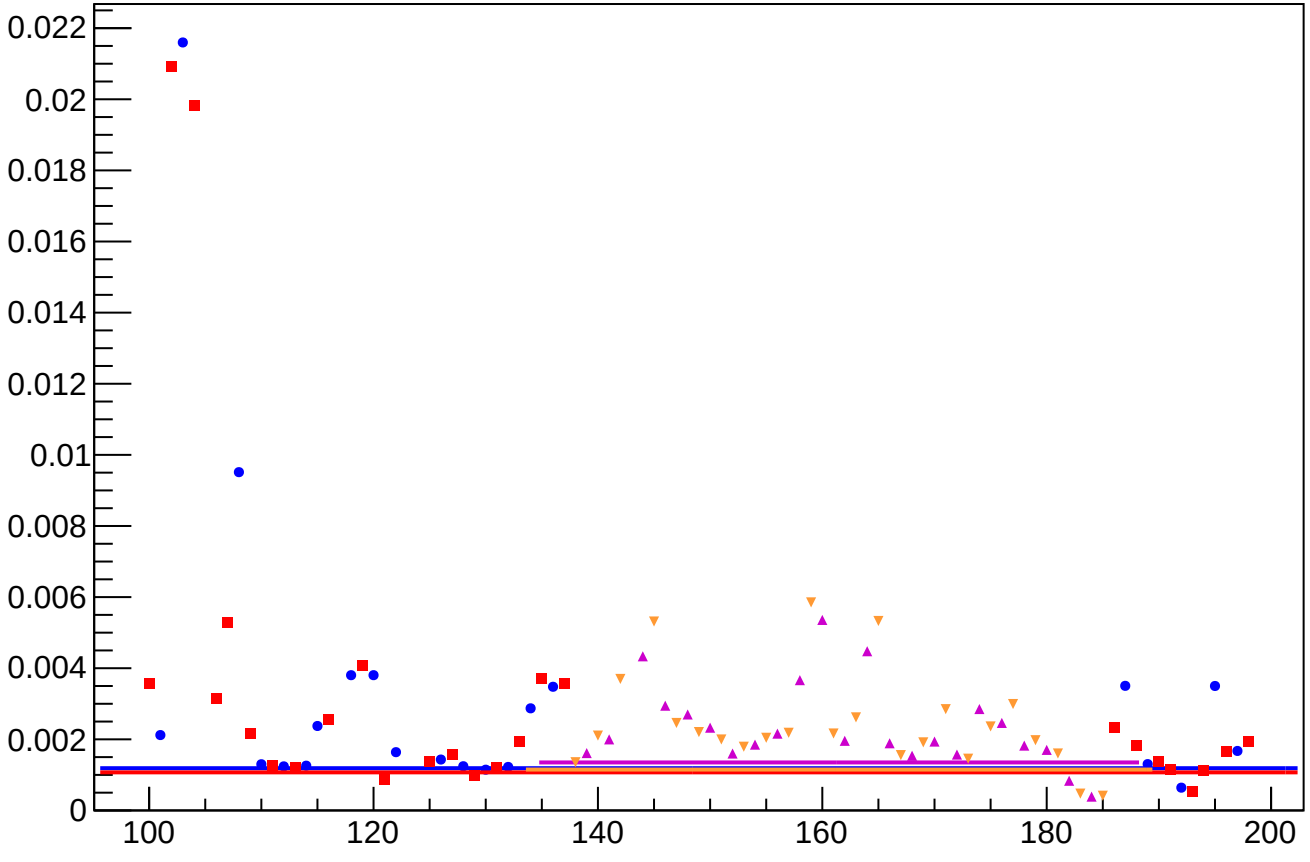
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.1/44

All: 0.000+/-0.000 χ^2/NDF: 116.5/93

- sign 0.000+/-0.000 χ^2/NDF: 43.8/48

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6265650.4/20

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7452271.7/25

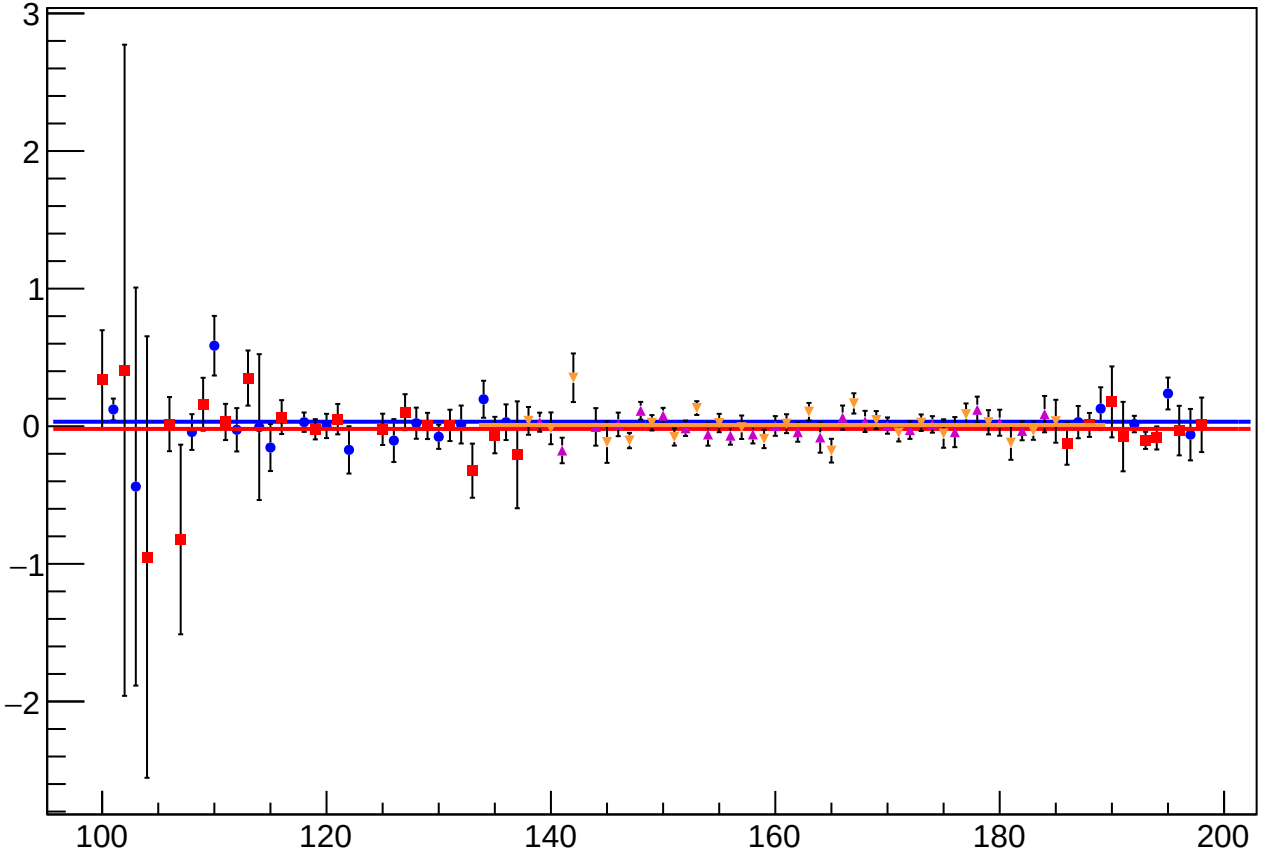
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19517184.0/44

All: 0.001+/-0.000 χ^2/NDF: 37784038.0/93

- sign 0.001+/-0.000 χ^2/NDF: 18240019.4/48

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.025 χ^2/NDF: 15.5/25

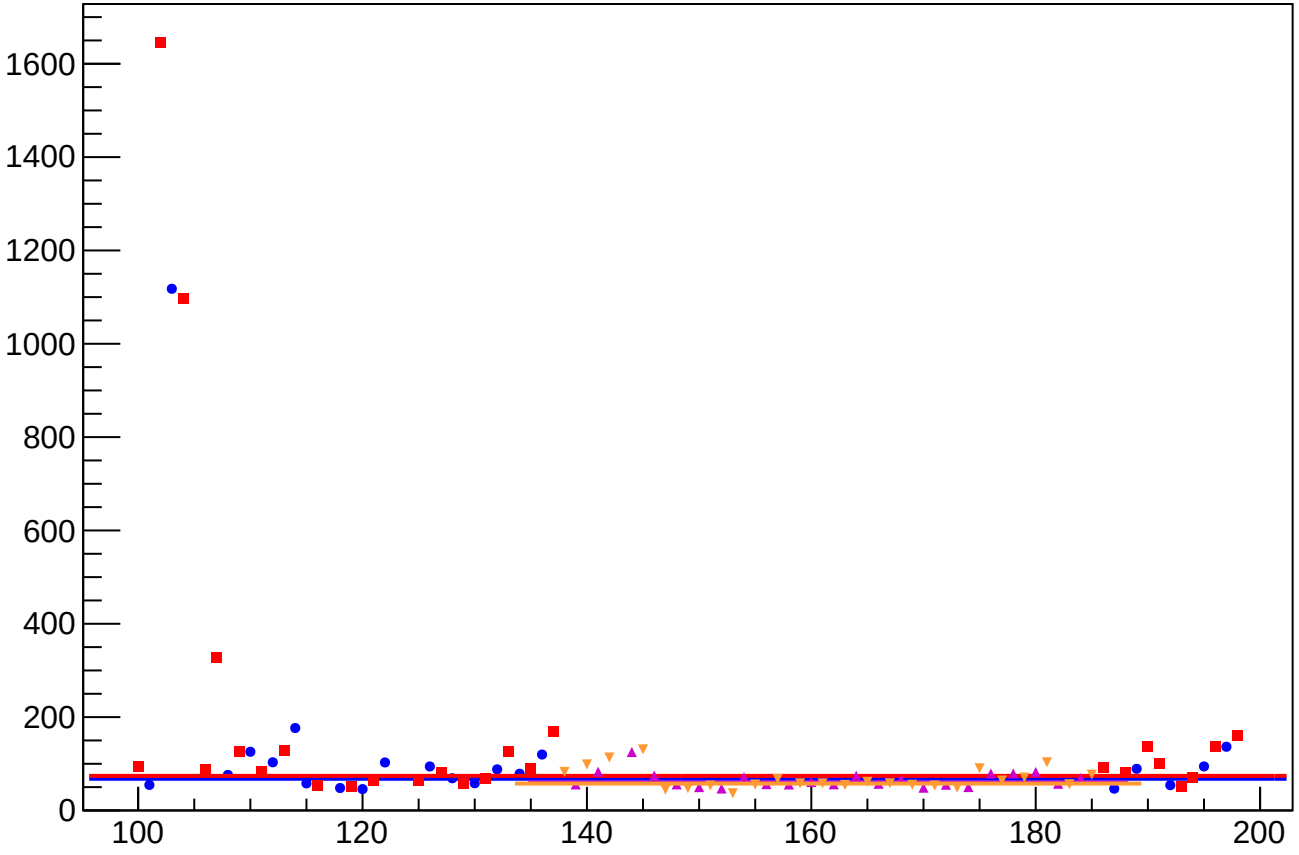
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 54.1/44

All: 0.006+/-0.009 χ^2/NDF: 86.8/93

- sign -0.005+/-0.013 χ^2/NDF: 31.5/48

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.911+/-0.018 χ^2/NDF: 2860784.6/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002902.9/25

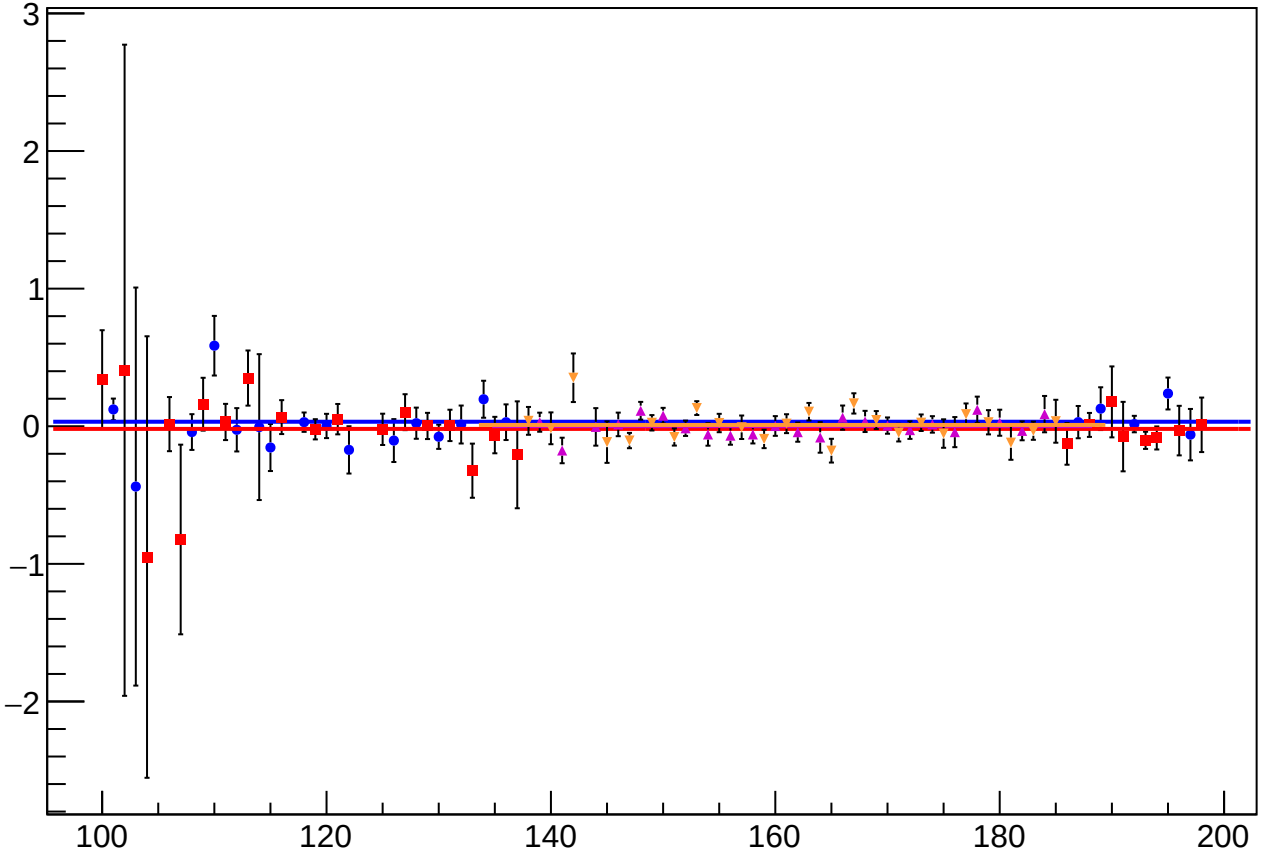
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 60.358+/-0.009 χ^2/NDF: 5322520.4/44

All: 61.997+/-0.007 χ^2/NDF: 11194027.1/93

- sign 63.710+/-0.009 χ^2/NDF: 5805798.7/48

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.025 χ^2/NDF: 15.5/25

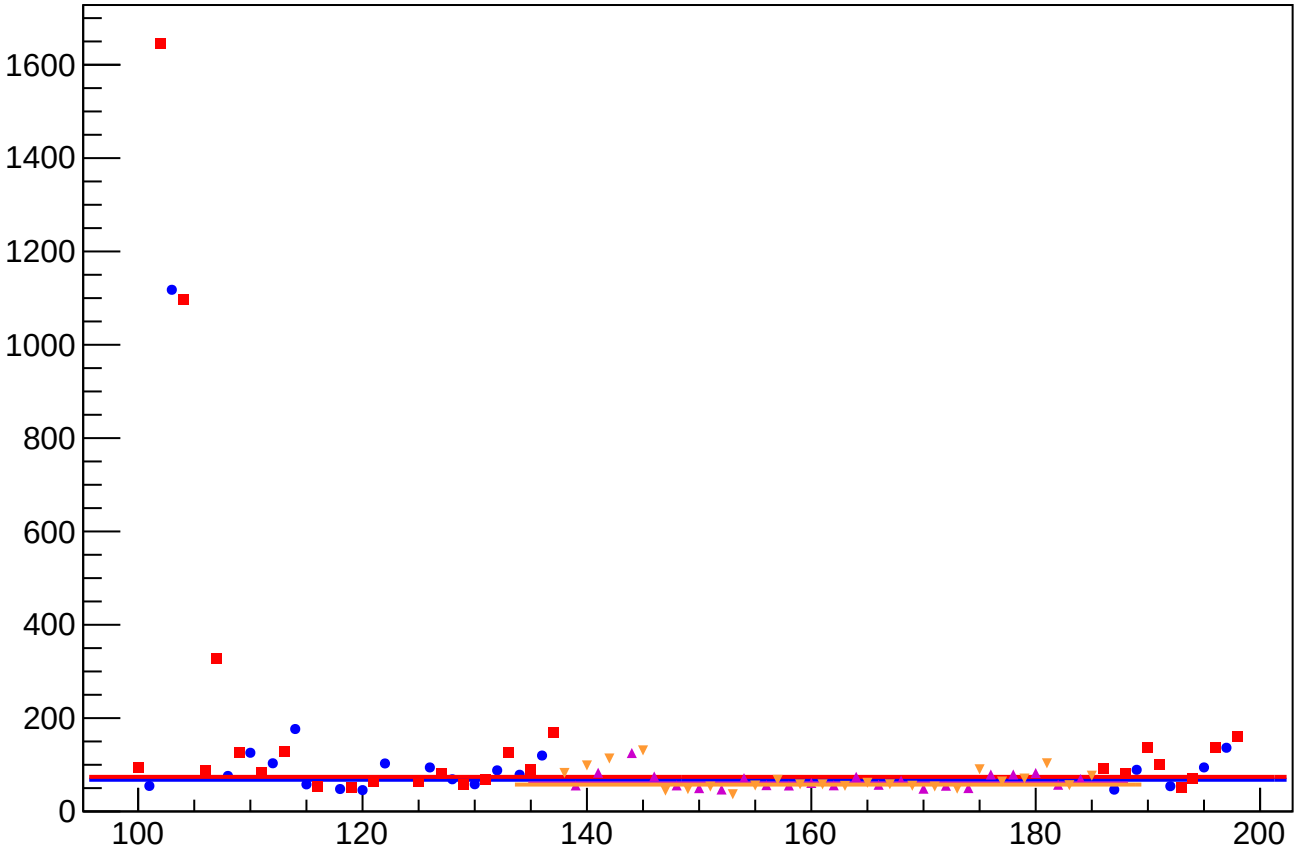
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 54.1/44

All: 0.006+/-0.009 χ^2/NDF: 86.8/93

- sign -0.005+/-0.013 χ^2/NDF: 31.5/48

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.911+/-0.018 χ^2/NDF: 2860784.6/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

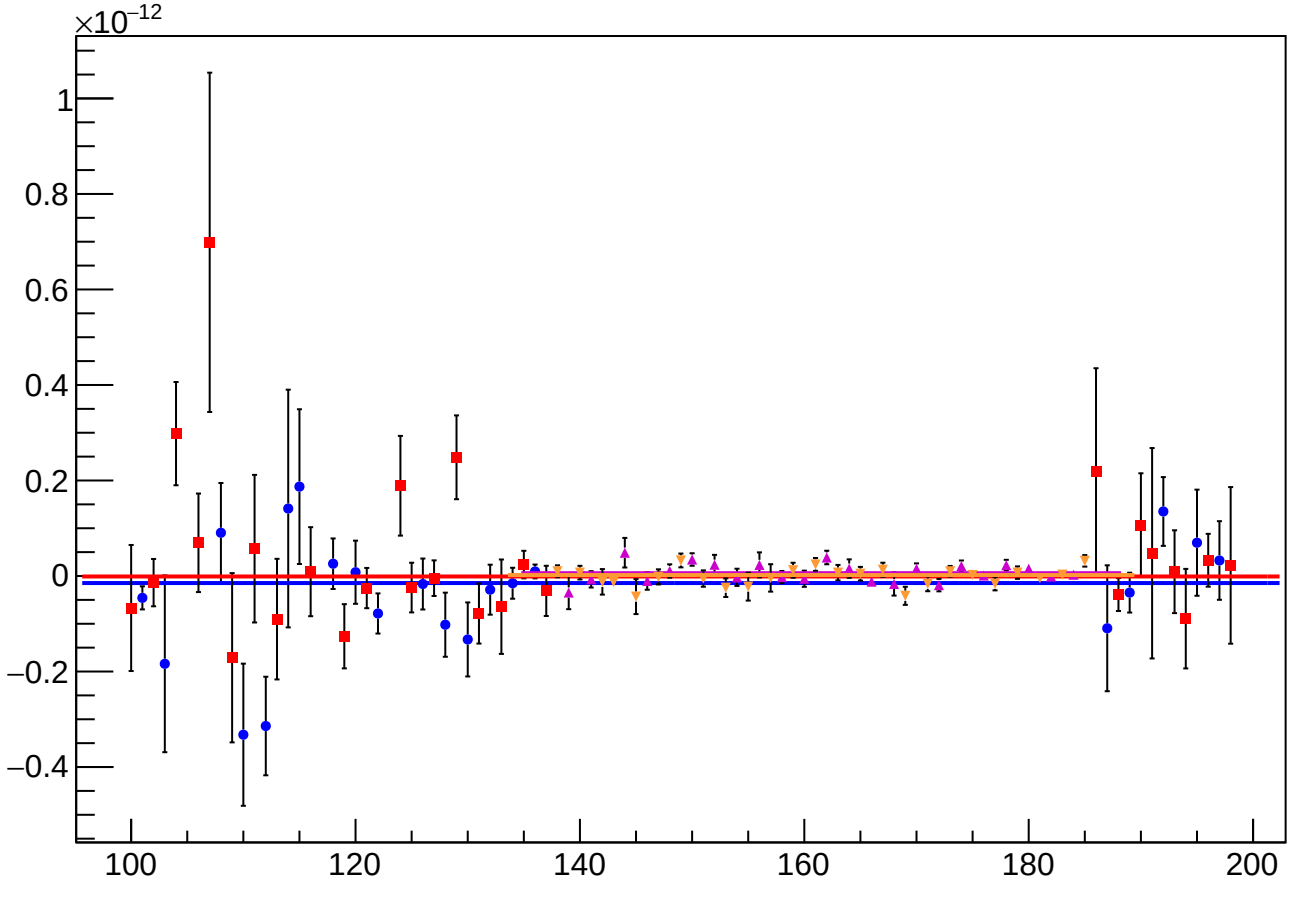
Right Out: 74.116+/-0.018 χ^2/NDF: 4002902.9/25

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 60.358+/-0.009 χ^2/NDF: 5322520.4/44

All: 61.997+/-0.007 χ^2/NDF: 11194027.1/93

- sign 63.710+/-0.009 χ^2/NDF: 5805798.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

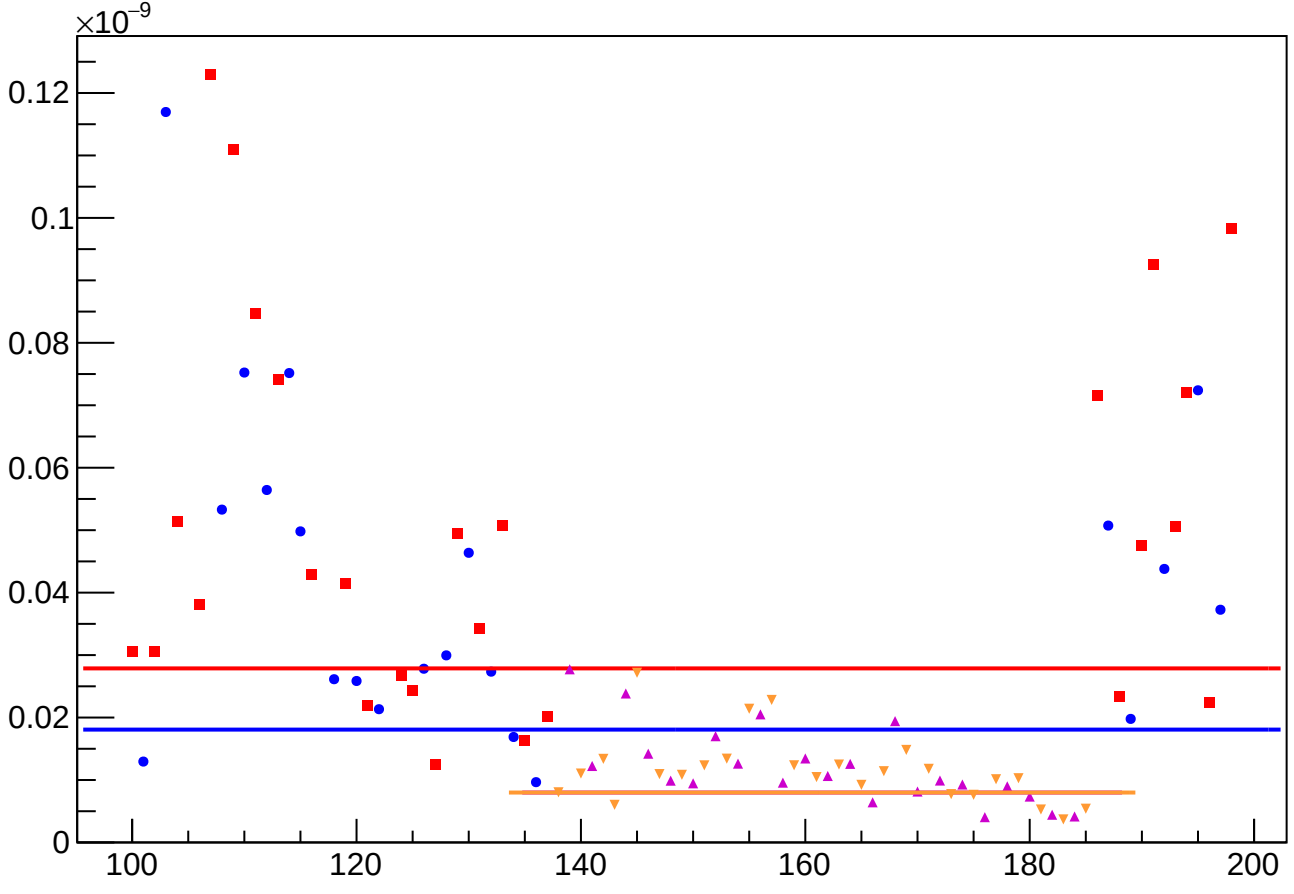
Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/26

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.1/45

All: 0.000+/-0.000 χ^2/NDF: 140.5/95

- sign 0.000+/-0.000 χ^2/NDF: 69.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 3837199.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3615121.6/26

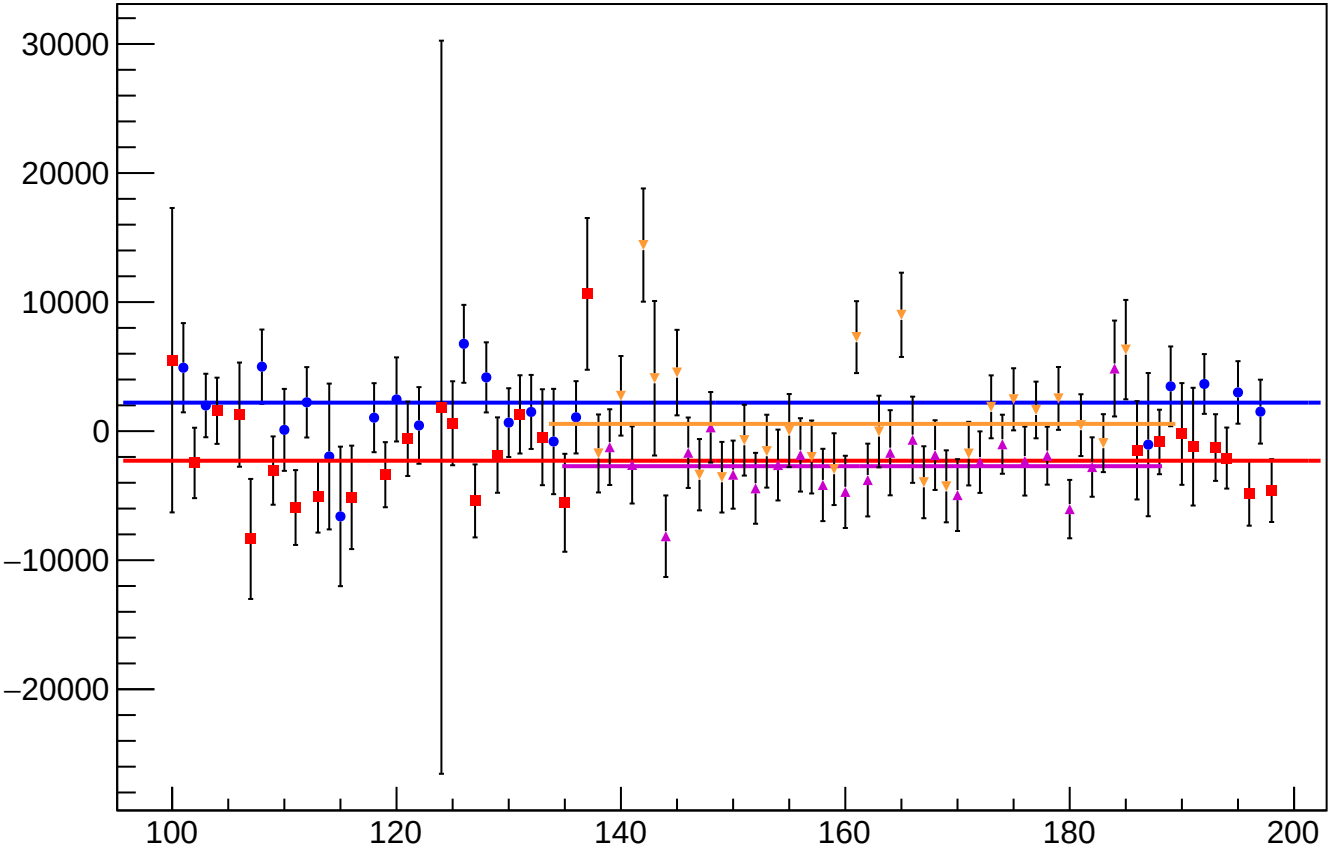
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10833306.1/45

All: 0.000+/-0.000 χ^2/NDF: 24554351.1/95

- sign 0.000+/-0.000 χ^2/NDF: 13716552.8/49

reg_asym_atl2_mean vs Slug



Right In: 2208.515+/-649.729 χ^2/NDF: 10.8/20

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2292.285+/-603.238 χ^2/NDF: 21.0/26

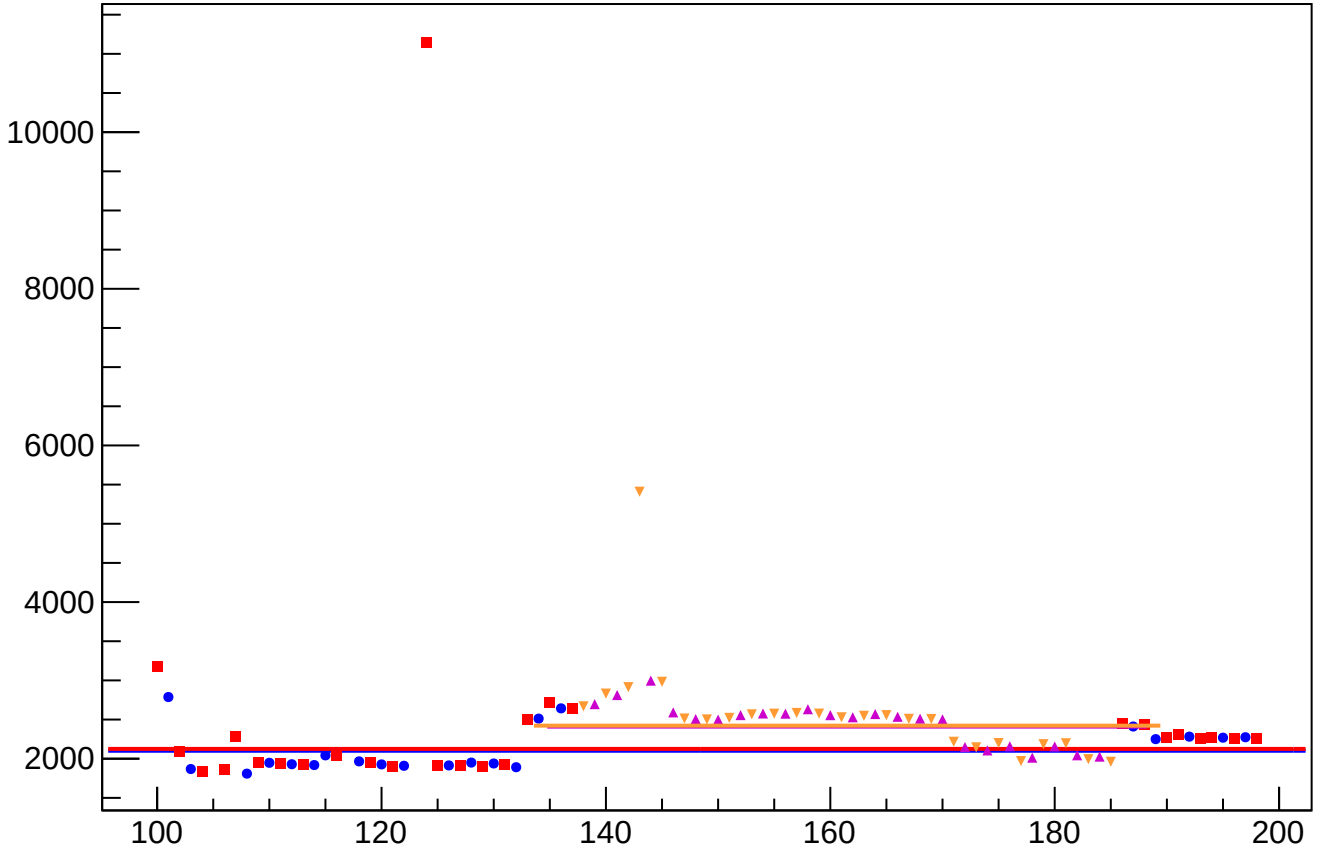
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1260.158+/-423.015 χ^2/NDF: 58.4/45

All: -674.742+/-295.453 χ^2/NDF: 134.8/95

- sign -2517.655+/-412.838 χ^2/NDF: 35.5/49

reg_asym_atl2_rms vs Slug



Right In: 2101.757+/-0.459 χ^2/NDF: 320699.4/20

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.253+/-0.427 χ^2/NDF: 505328.2/26

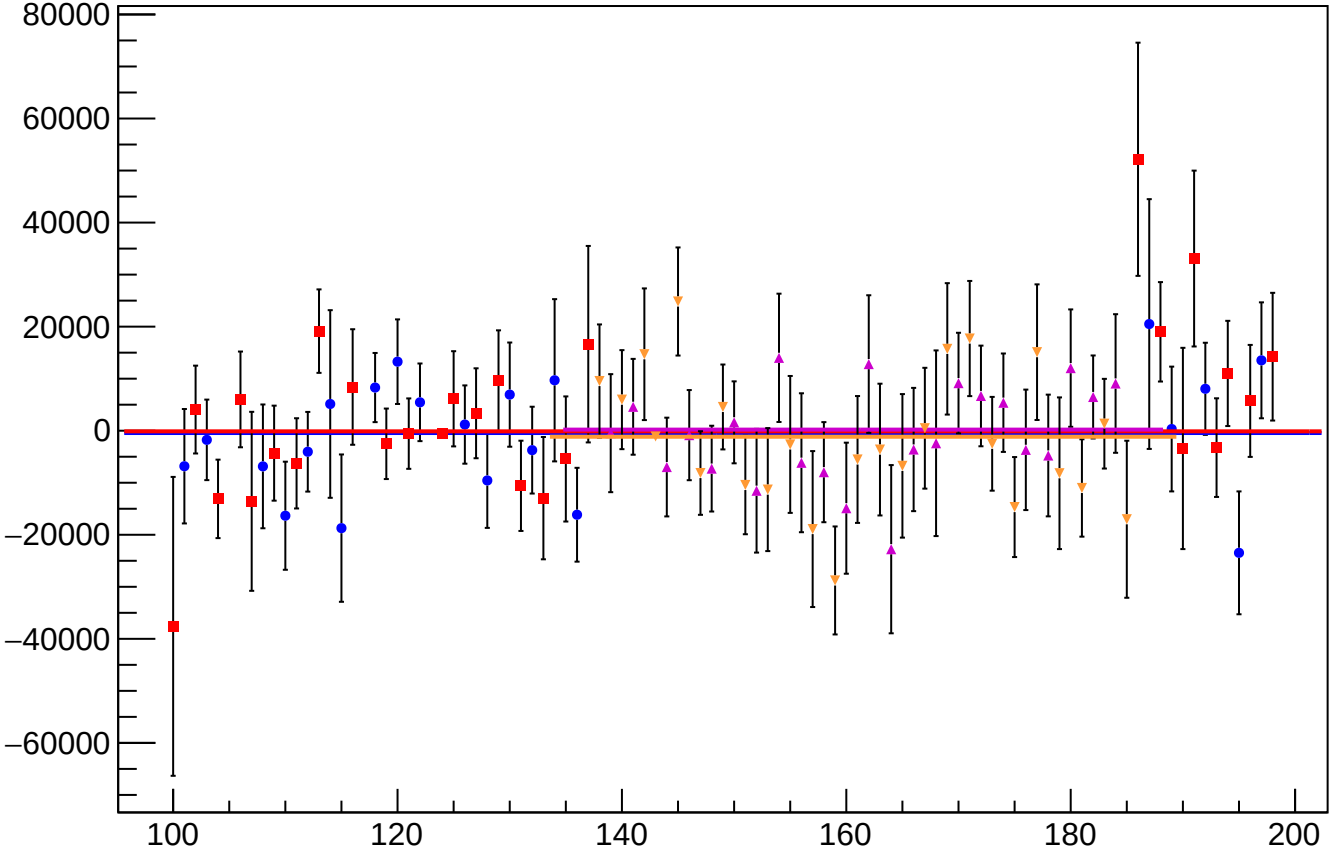
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.341+/-0.299 χ^2/NDF: 1553742.8/45

All: 2281.321+/-0.209 χ^2/NDF: 2724597.7/95

- sign 2276.539+/-0.292 χ^2/NDF: 1170304.9/49

asym_atl2_reg_correction_mean vs Slug



Right In: -444.238+/-2088.336 χ^2/NDF: 22.4/20

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -119.110+/-756.045 χ^2/NDF: 35.0/26

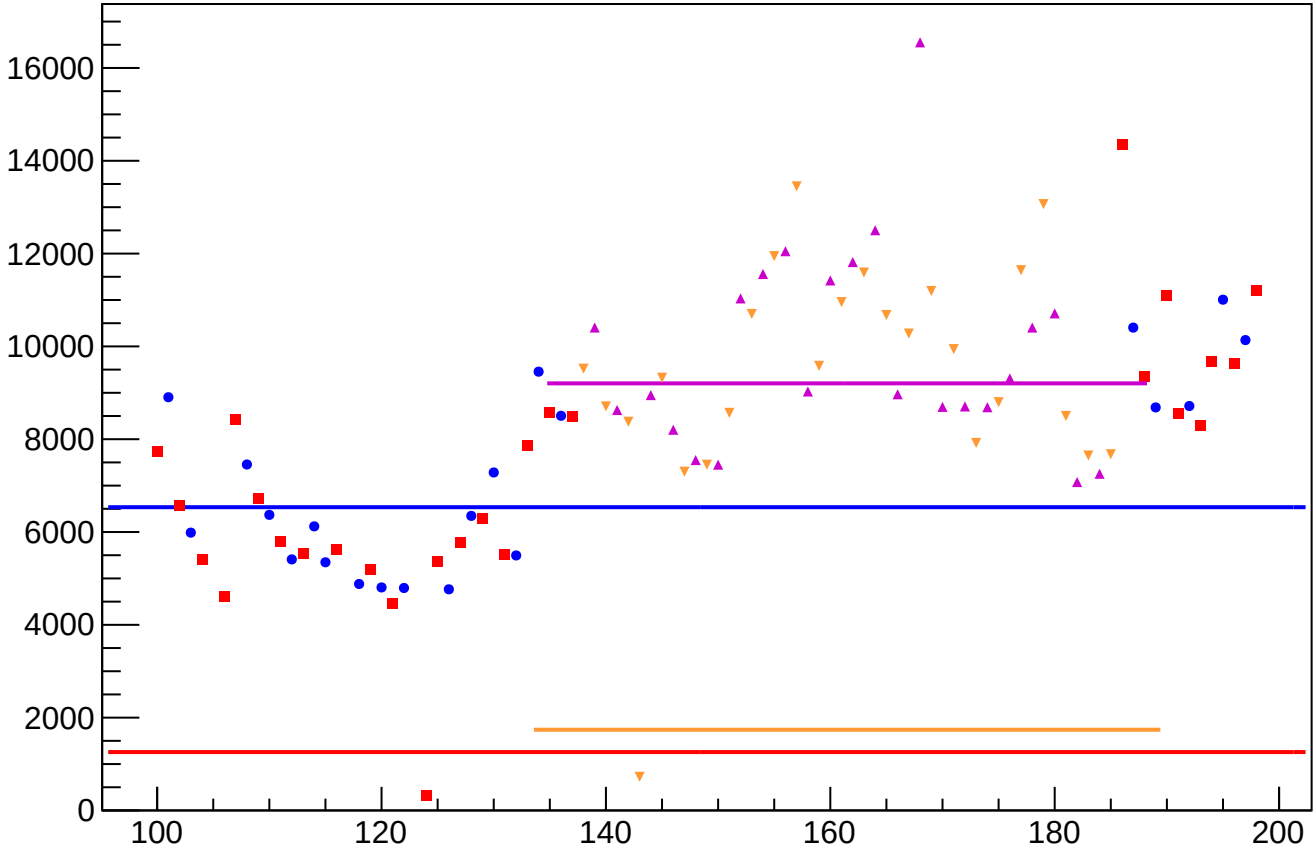
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1075.140+/-712.348 χ^2/NDF: 54.5/45

All: -581.417+/-504.582 χ^2/NDF: 103.9/95

- sign -84.244+/-714.832 χ^2/NDF: 48.4/49

asym_atl2_reg_correction_rms vs Slug



Right In: 6534.945+/-1.477 χ^2/NDF: 1549740.8/20

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1258.081+/-0.535 χ^2/NDF: 19690349.5/26

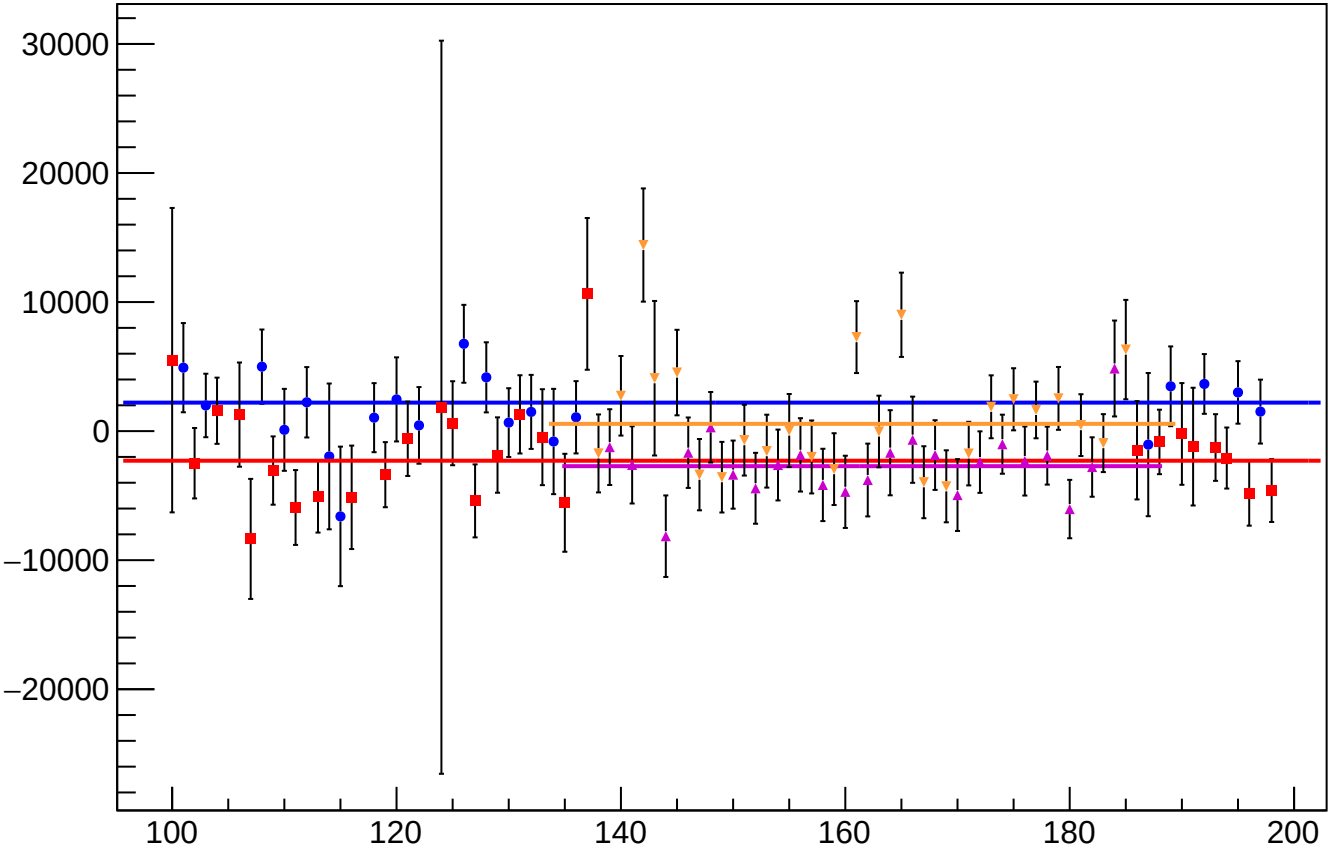
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2297.641+/-0.504 χ^2/NDF: 38601953.8/45

All: 2199.528+/-0.357 χ^2/NDF: 83067280.6/9

- sign 2100.730+/-0.505 χ^2/NDF: 44389181.6/49

cor_asym_atl2_mean vs Slug



Right In: 2208.612+/-649.729 χ^2/NDF: 10.8/20

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2293.457+/-603.242 χ^2/NDF: 21.0/26

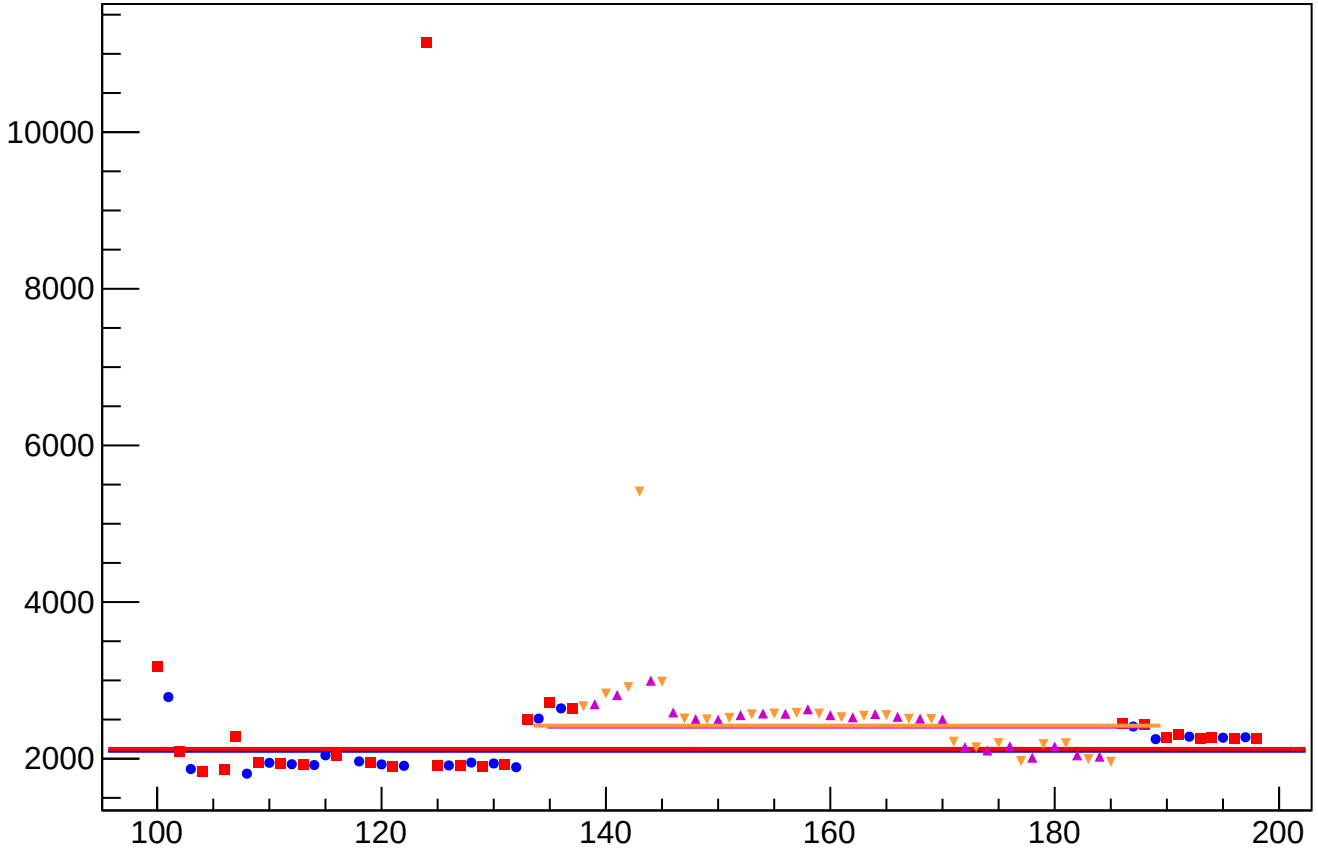
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1260.200+/-423.015 χ^2/NDF: 58.4/45

All: -674.987+/-295.453 χ^2/NDF: 134.8/95

- sign -2518.185+/-412.839 χ^2/NDF: 35.5/49

cor_asym_atl2_rms vs Slug



Right In: 2101.757+/-0.459 χ^2/NDF: 320699.3/20

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.268+/-0.427 χ^2/NDF: 505323.5/26

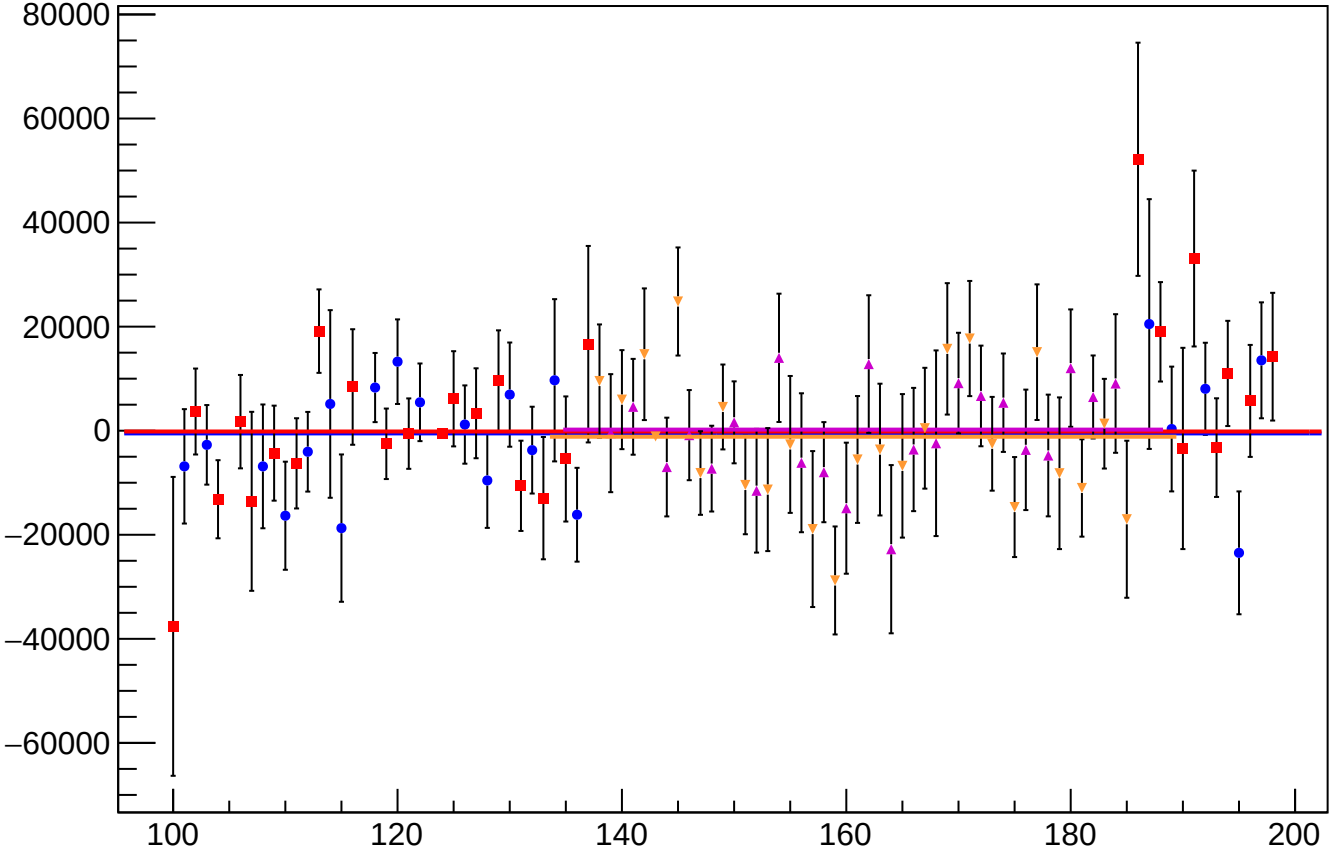
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.341+/-0.299 χ^2/NDF: 1553742.9/45

All: 2281.325+/-0.209 χ^2/NDF: 2724565.6/95

- sign 2276.547+/-0.292 χ^2/NDF: 1170273.6/49

asym_atl2_cor_correction_mean vs Slug



Right In: -518.587+/-2086.525 χ^2/NDF: 22.5/20

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -151.691+/-755.721 χ^2/NDF: 34.6/26

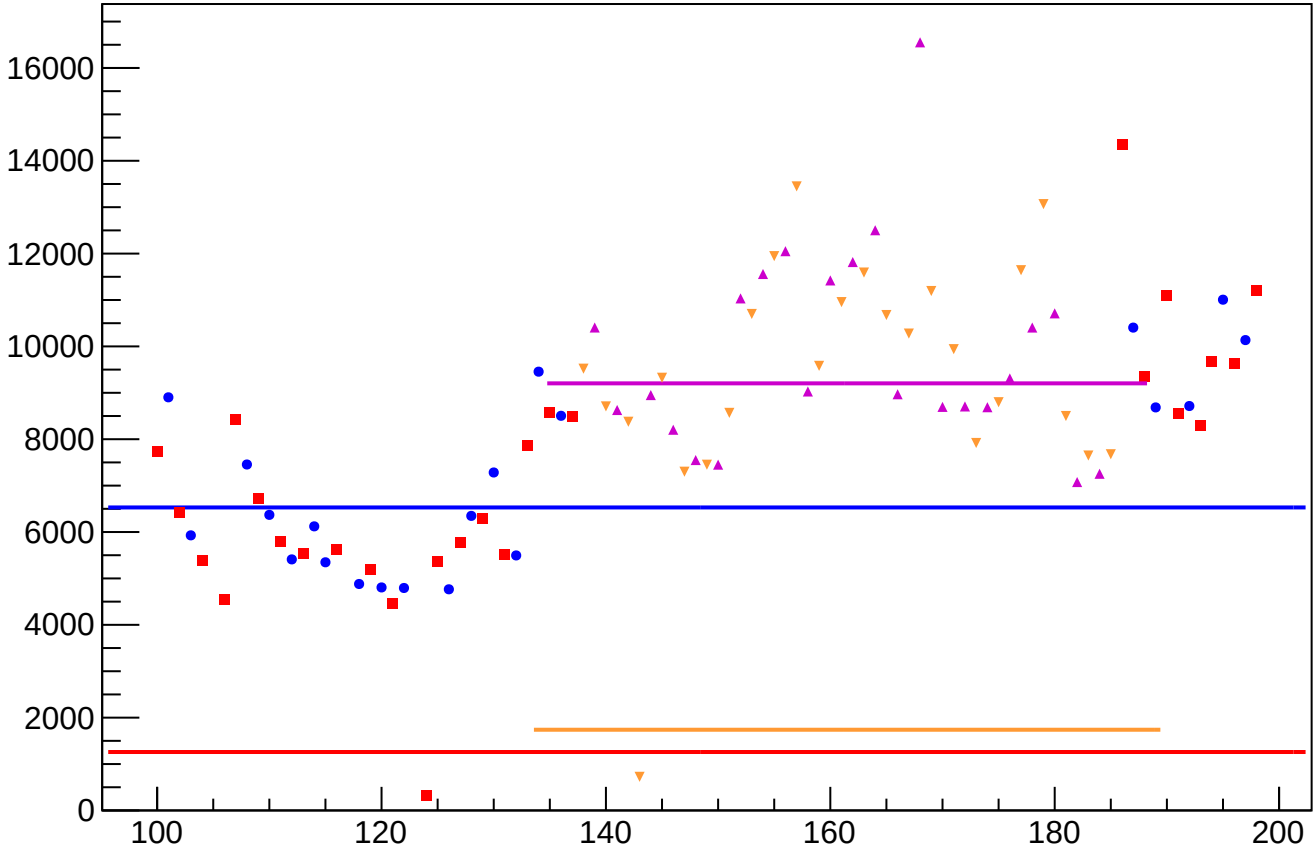
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1083.476+/-712.222 χ^2/NDF: 54.5/45

All: -600.034+/-504.441 χ^2/NDF: 103.5/95

- sign -113.415+/-714.558 χ^2/NDF: 48.1/49

asym_atl2_cor_correction_rms vs Slug



Right In: 6529.611+/-1.475 χ^2/NDF: 1552164.5/20

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1259.520+/-0.534 χ^2/NDF: 19683514.5/26

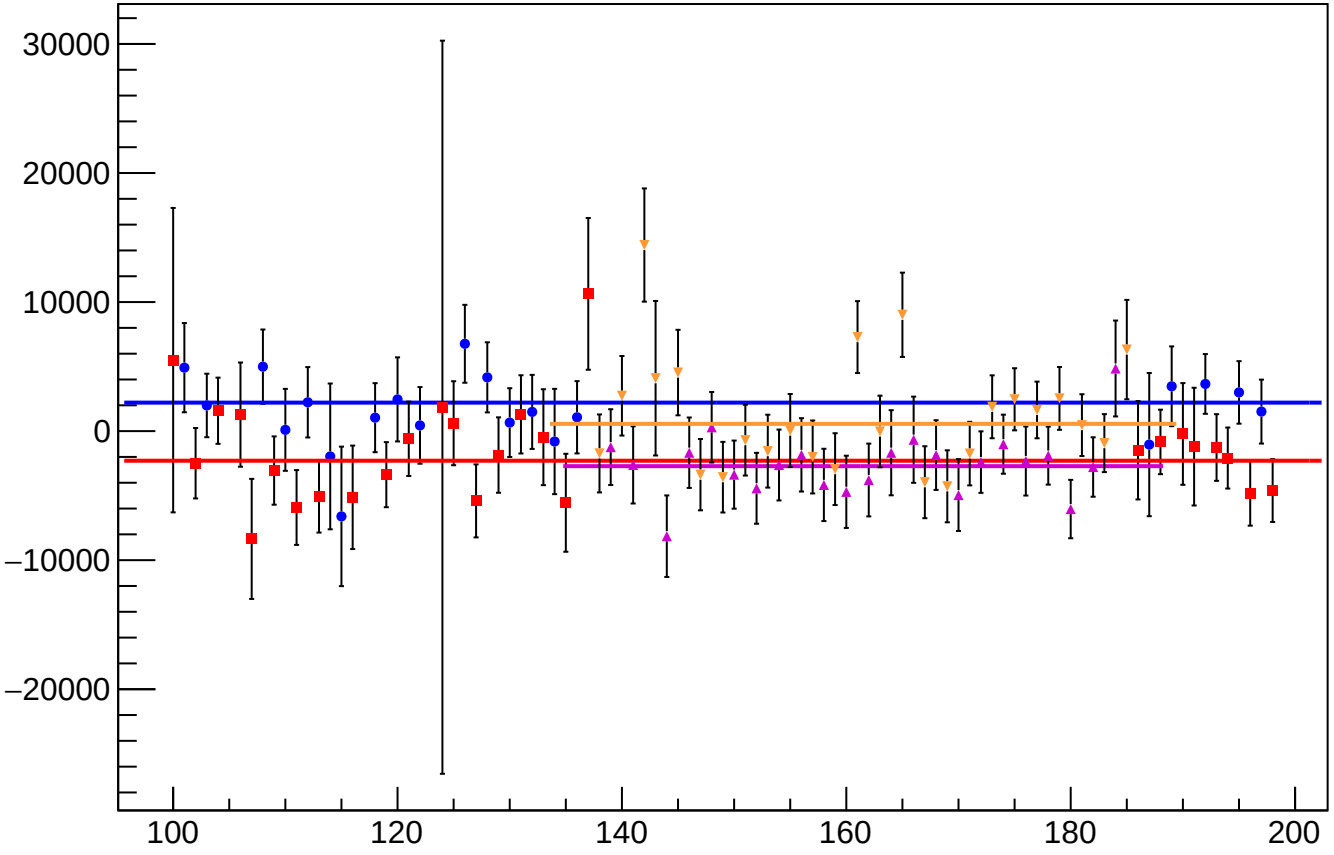
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2297.584+/-0.504 χ^2/NDF: 38600063.1/45

All: 2199.799+/-0.357 χ^2/NDF: 83051685.9/9

- sign 2101.372+/-0.505 χ^2/NDF: 44375974.8/49

eigen_cor_asym_atl2_mean vs Slug



Right In: 2208.612+/-649.729 χ^2/NDF: 10.8/20

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2293.457+/-603.242 χ^2/NDF: 21.0/26

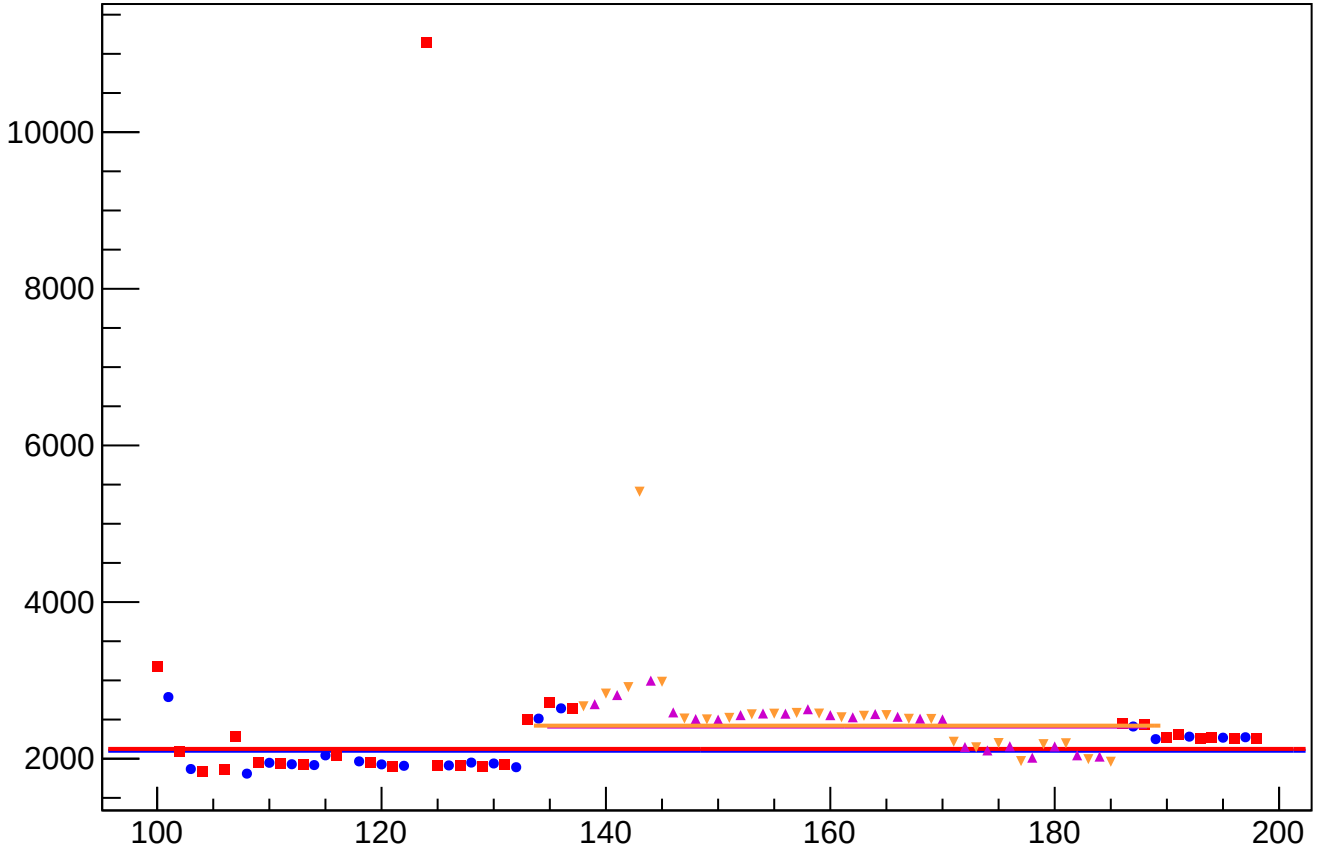
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1260.200+/-423.015 χ^2/NDF: 58.4/45

All: -674.987+/-295.453 χ^2/NDF: 134.8/95

- sign -2518.185+/-412.839 χ^2/NDF: 35.5/49

eigen_cor_asym_atl2_rms vs Slug



Right In: 2101.757+/-0.459 χ^2/NDF: 320699.3/20

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.268+/-0.427 χ^2/NDF: 505323.5/26

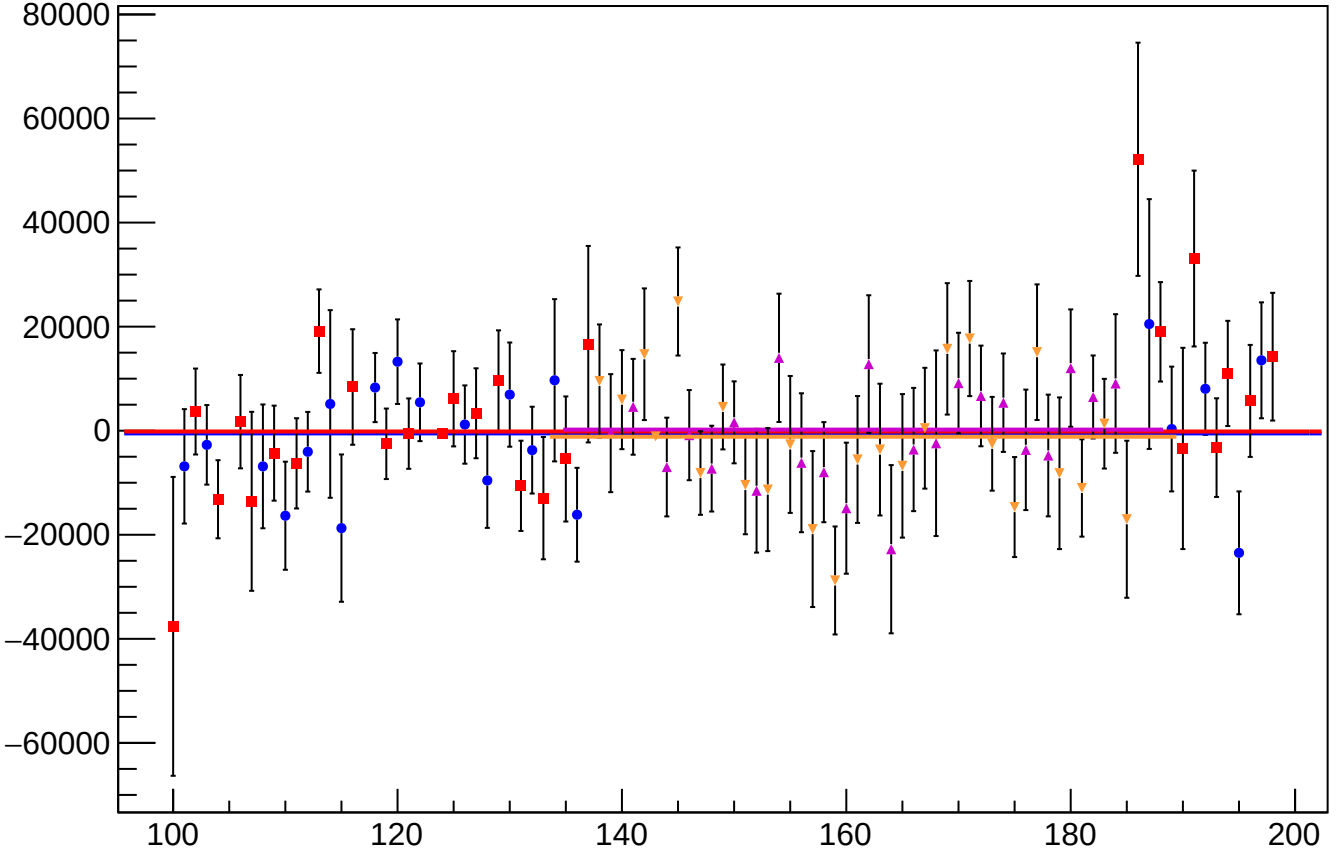
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.341+/-0.299 χ^2/NDF: 1553742.9/45

All: 2281.325+/-0.209 χ^2/NDF: 2724565.6/95

- sign 2276.547+/-0.292 χ^2/NDF: 1170273.6/49

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -518.587+/-2086.525 χ^2/NDF: 22.5/20

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -151.691+/-755.721 χ^2/NDF: 34.6/26

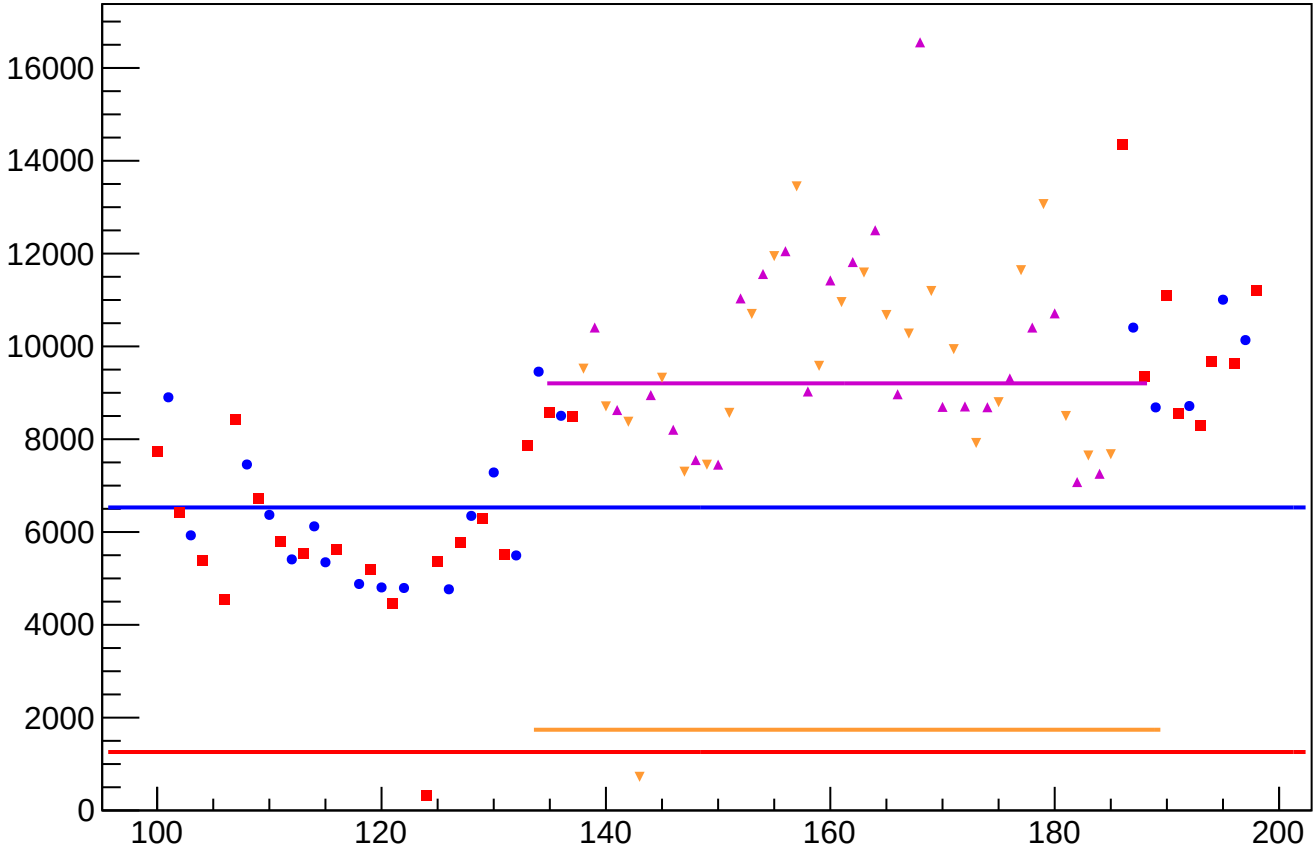
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1083.476+/-712.222 χ^2/NDF: 54.5/45

All: -600.034+/-504.441 χ^2/NDF: 103.5/95

- sign -113.415+/-714.558 χ^2/NDF: 48.1/49

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6529.611+/-1.475 χ^2/NDF: 1552164.5/20

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1259.520+/-0.534 χ^2/NDF: 19683514.5/26

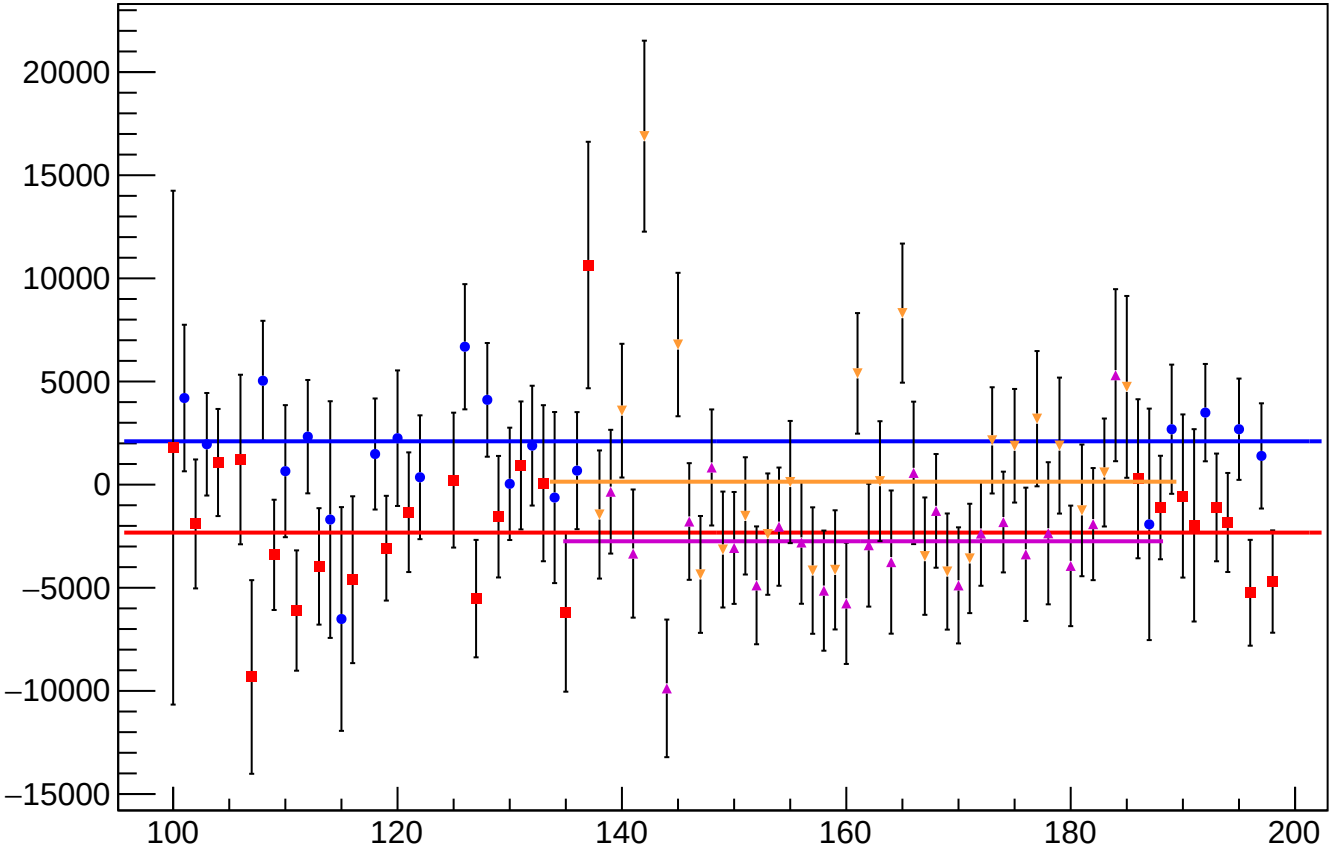
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2297.584+/-0.504 χ^2/NDF: 38600063.1/45

All: 2199.799+/-0.357 χ^2/NDF: 83051685.9/9

- sign 2101.372+/-0.505 χ^2/NDF: 44375974.8/49

dit_asym_atl2_mean vs Slug



Right In: 2100.738+/-658.794 χ^2/NDF: 10.0/20

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2325.456+/-614.121 χ^2/NDF: 20.0/25

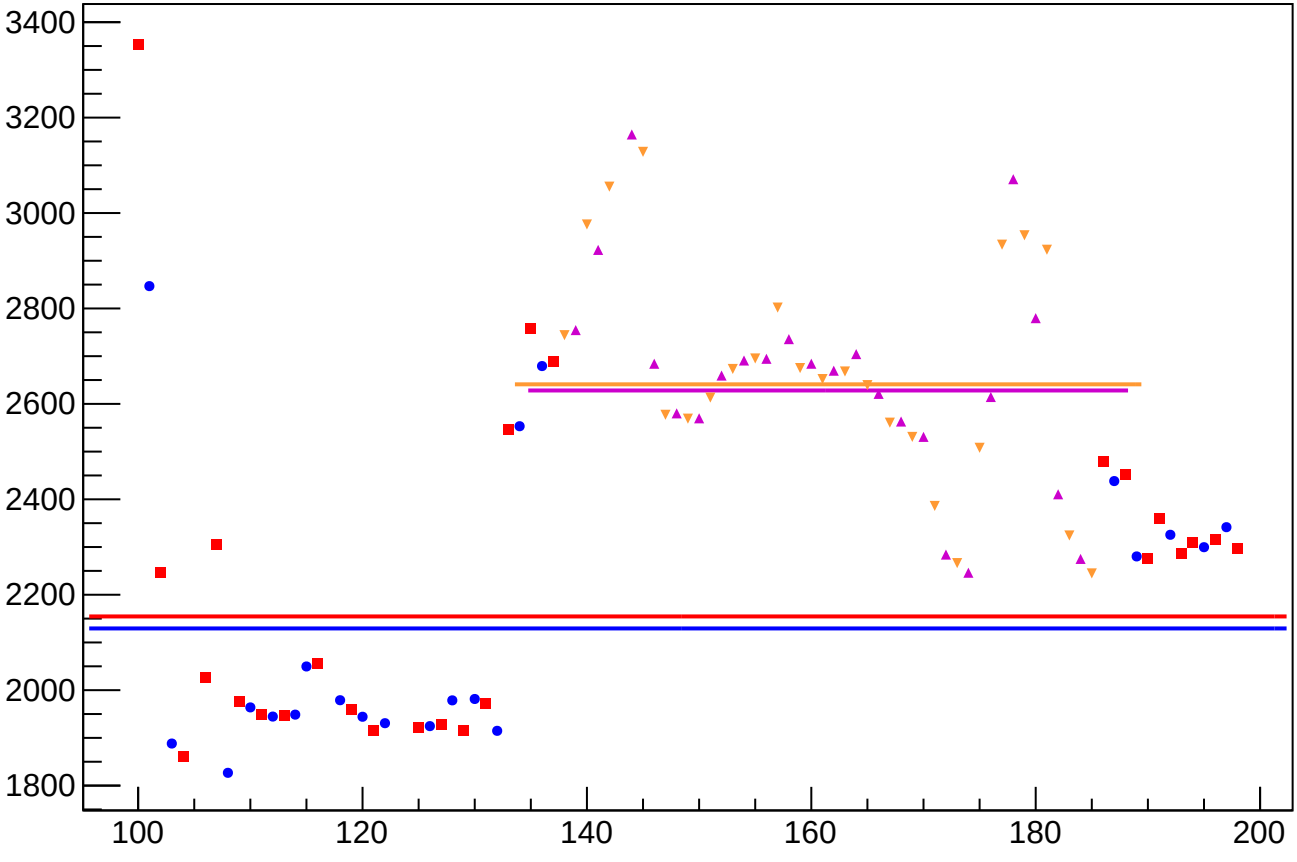
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1055.528+/-449.842 χ^2/NDF: 60.6/44

All: -800.146+/-312.690 χ^2/NDF: 129.2/93

- sign -2535.035+/-434.955 χ^2/NDF: 35.7/48

dit_asym_atl2_rms vs Slug



Right In: 2129.381+/-0.466 χ^2/NDF: 336068.8/20

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2154.536+/-0.434 χ^2/NDF: 311559.5/25

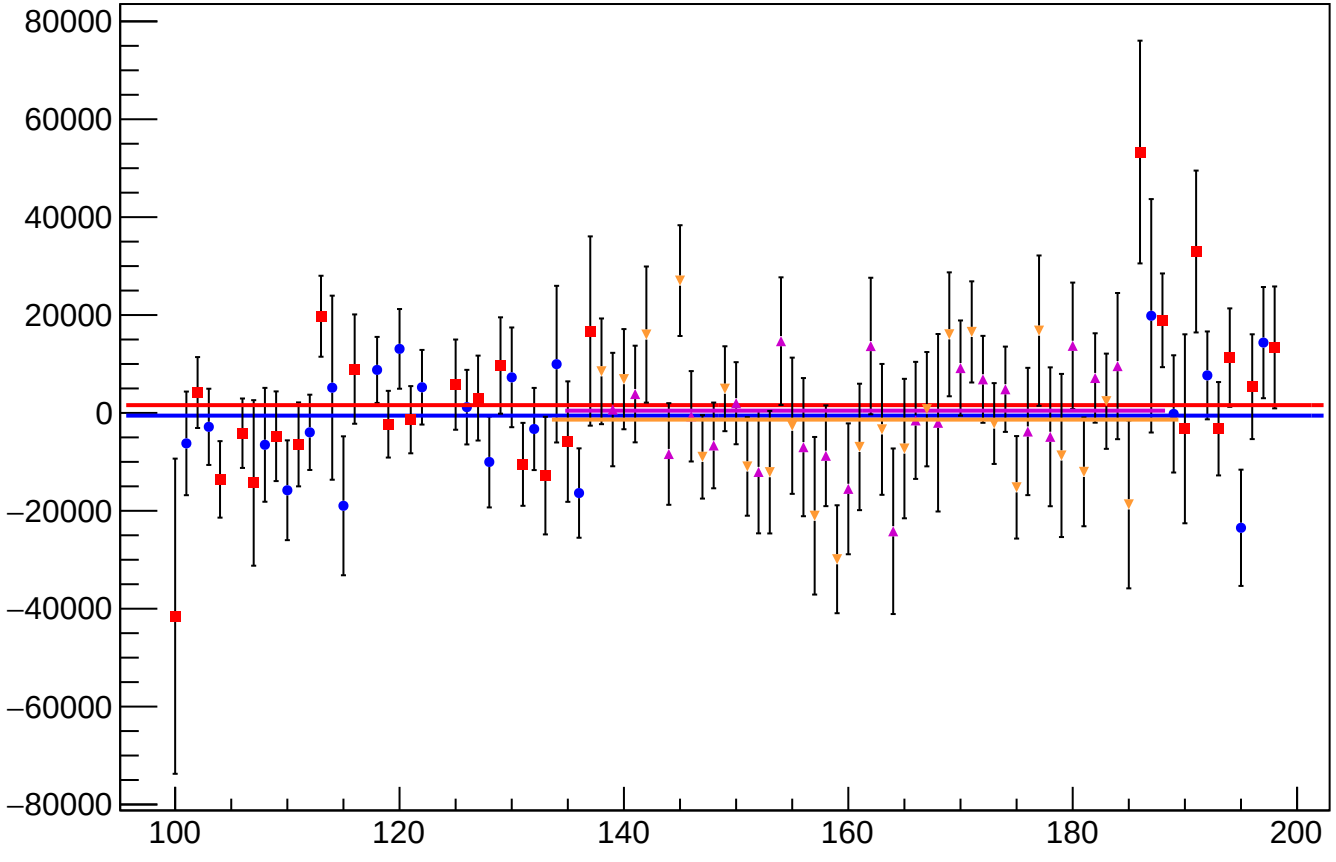
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2402.452+/-0.318 χ^2/NDF: 1233262.8/44

All: 2396.183+/-0.221 χ^2/NDF: 2376378.7/93

- sign 2390.327+/-0.307 χ^2/NDF: 1142364.6/48

asym_atl2_dit_correction_mean vs Slug



Right In: -551.042+/-2103.986 χ^2/NDF: 22.4/20

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 1591.268+/-1919.591 χ^2/NDF: 34.0/25

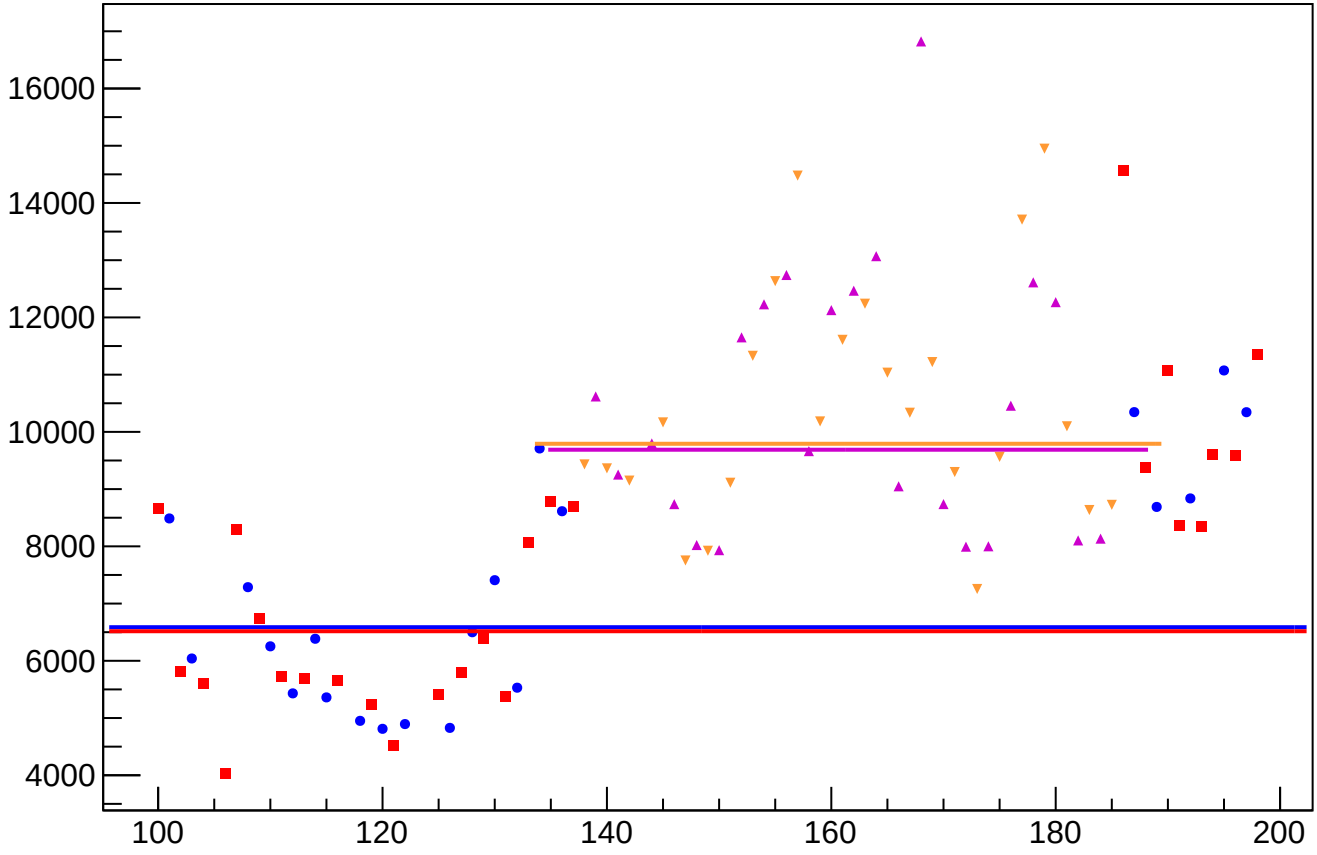
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -918.109+/-1560.432 χ^2/NDF: 53.7/44

All: 162.723+/-1072.885 χ^2/NDF: 101.9/93

- sign 1131.769+/-1477.536 χ^2/NDF: 47.3/48

asym_atl2_dit_correction_rms vs Slug



Right In: 6587.119+/-1.488 χ^2/NDF: 1522728.6/20

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6516.621+/-1.357 χ^2/NDF: 2110726.1/25

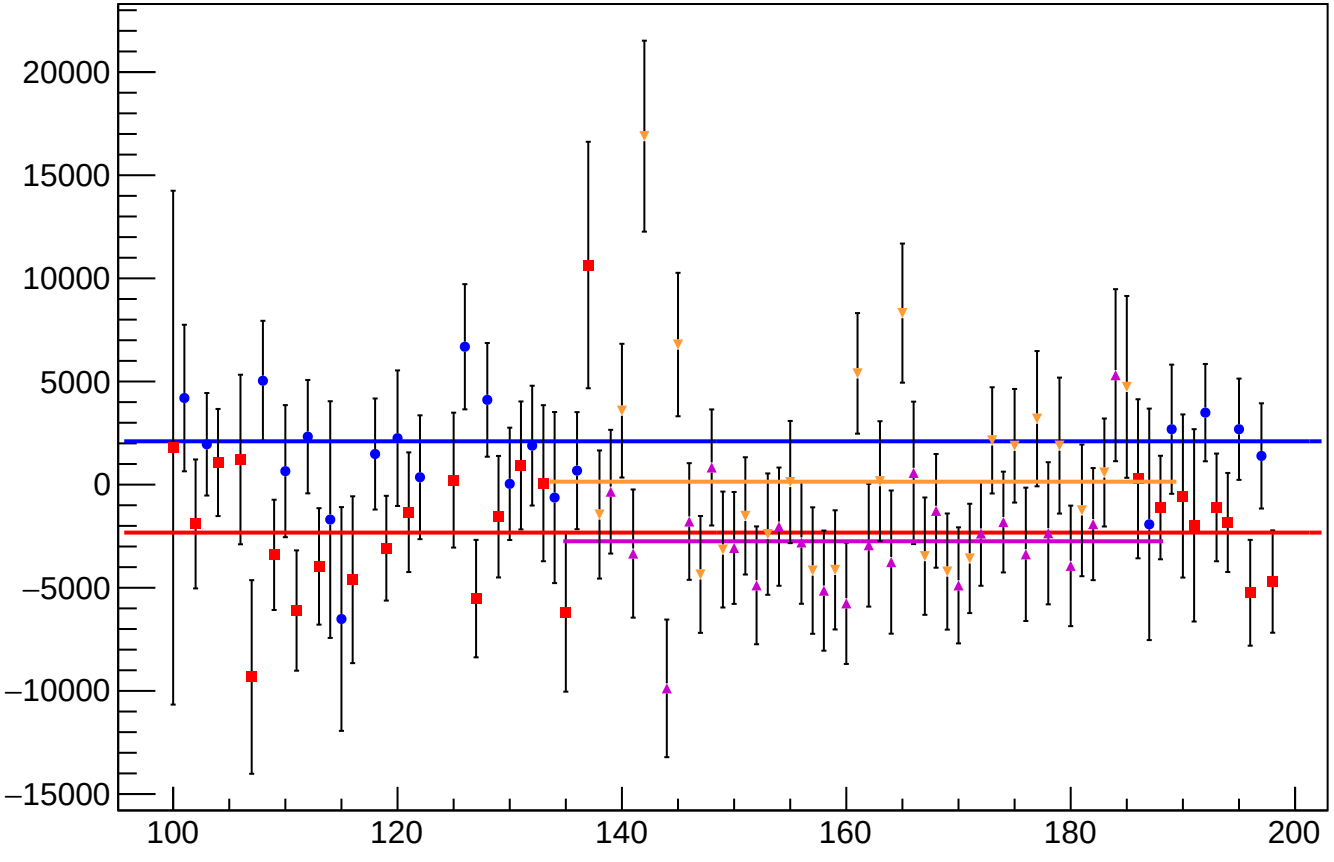
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8029.253+/-1.103 χ^2/NDF: 4830094.5/44

All: 7913.204+/-0.759 χ^2/NDF: 10564964.2/9

- sign 7809.158+/-1.045 χ^2/NDF: 5713890.2/48

eigen_dit_asym_atl2_mean vs Slug



Right In: 2100.737+/-658.794 χ^2/NDF: 10.0/20

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2325.457+/-614.121 χ^2/NDF: 20.0/25

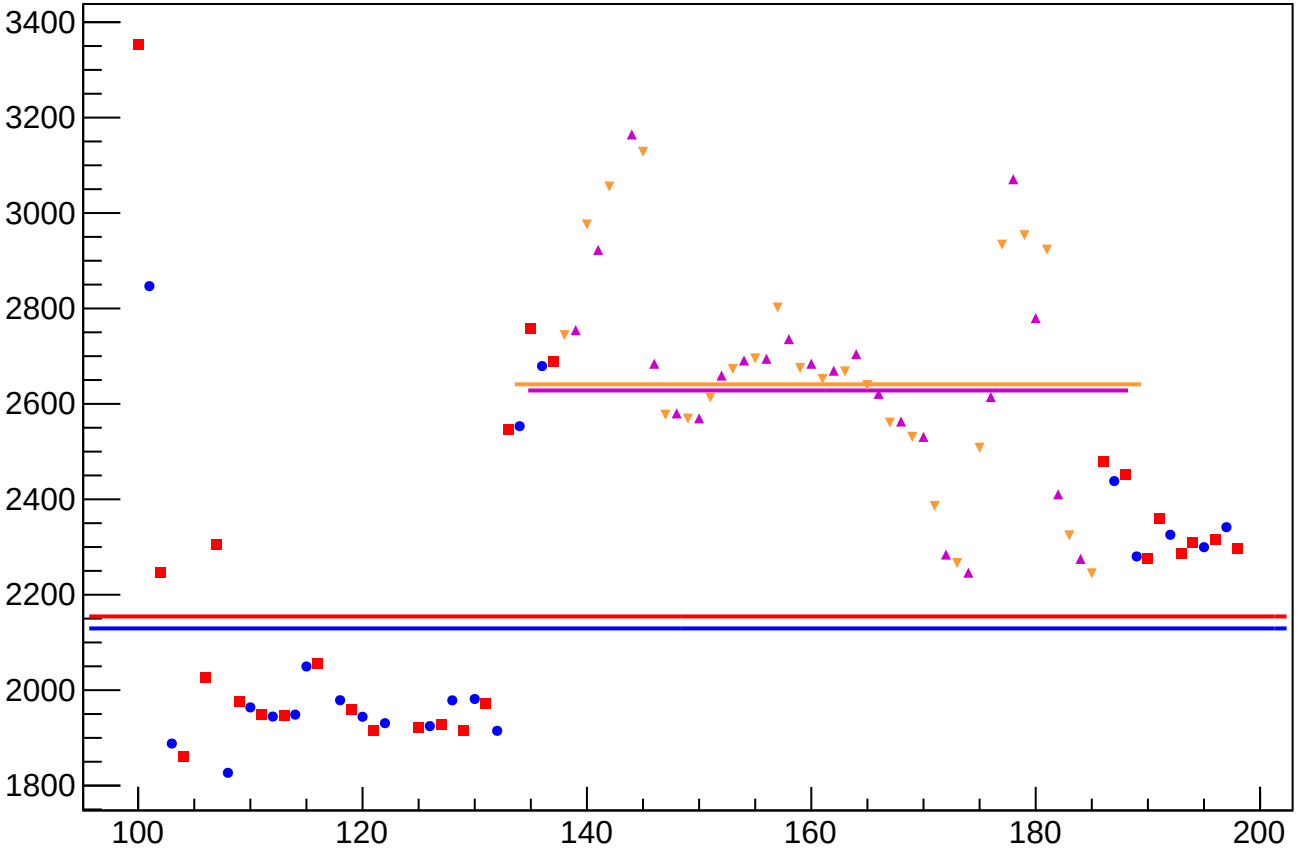
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1055.524+/-449.842 χ^2/NDF: 60.6/44

All: -800.148+/-312.690 χ^2/NDF: 129.2/93

- sign -2535.034+/-434.955 χ^2/NDF: 35.7/48

eigen_dit_asym_atl2_rms vs Slug



Right In: 2129.381+/-0.466 χ^2/NDF: 336068.9/20

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2154.536+/-0.434 χ^2/NDF: 311560.0/25

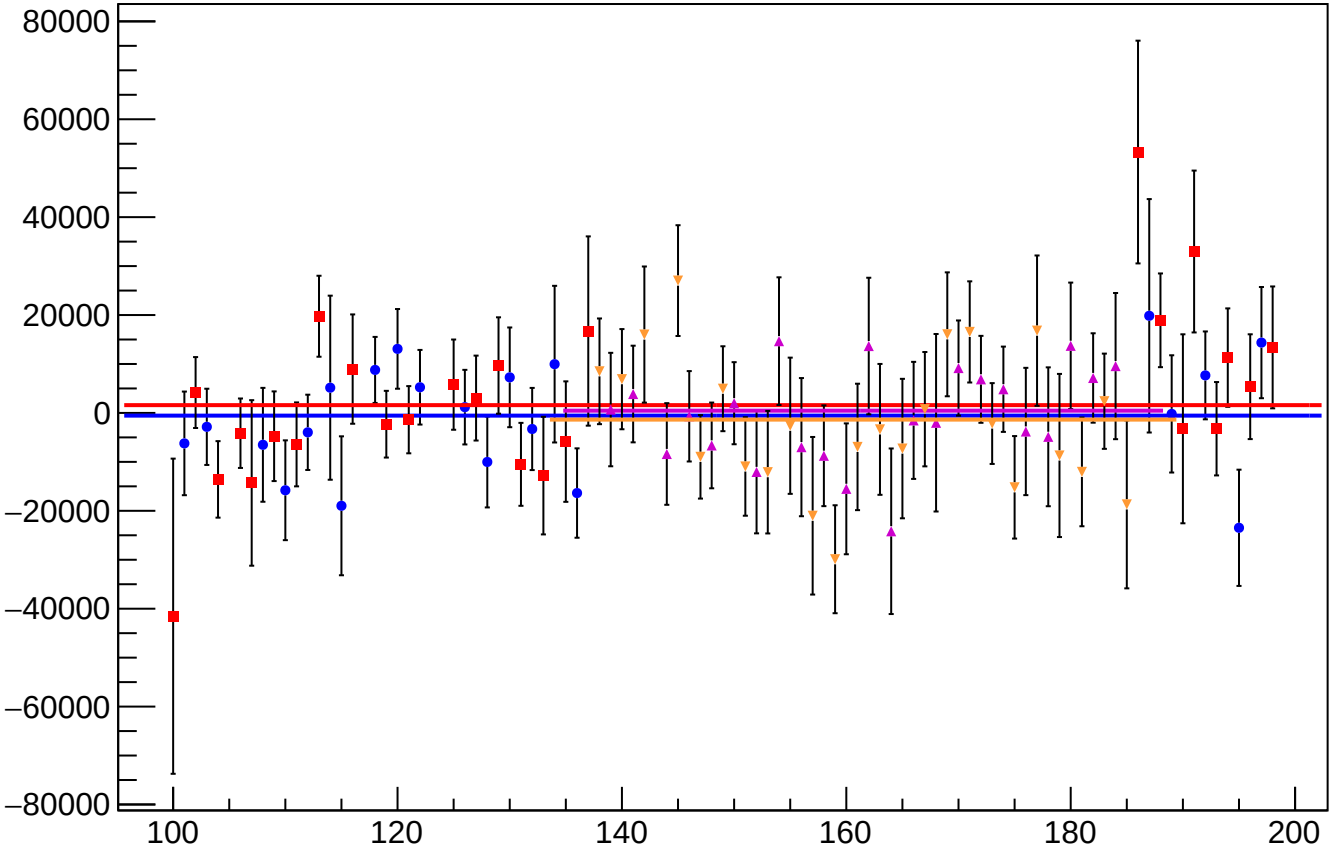
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2402.453+/-0.318 χ^2/NDF: 1233276.9/44

All: 2396.184+/-0.221 χ^2/NDF: 2376407.4/93

- sign 2390.328+/-0.307 χ^2/NDF: 1142379.1/48

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -551.033+/-2103.981 χ^2/NDF: 22.4/20

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 1591.255+/-1919.587 χ^2/NDF: 34.0/25

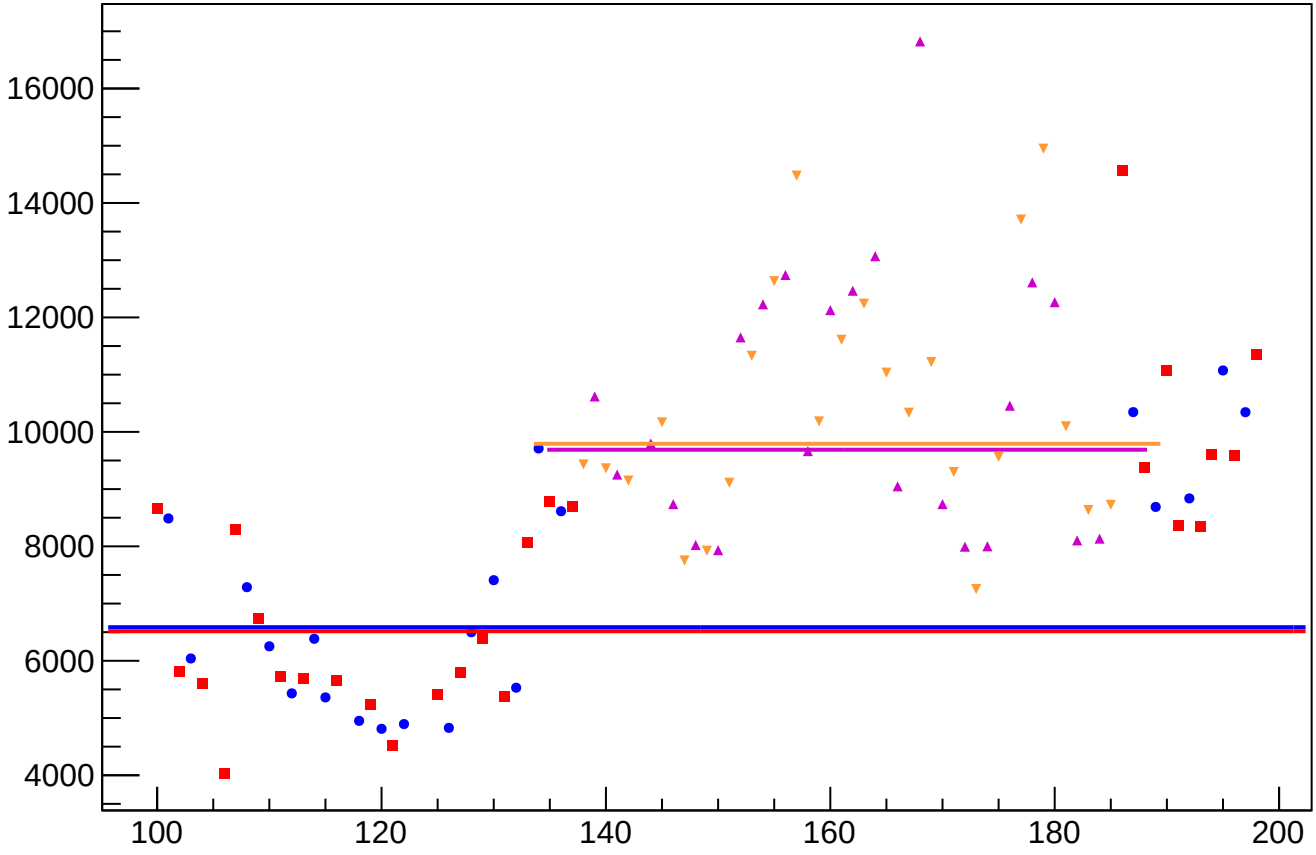
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -918.106+/-1560.431 χ^2/NDF: 53.7/44

All: 162.721+/-1072.884 χ^2/NDF: 101.9/93

- sign 1131.765+/-1477.536 χ^2/NDF: 47.3/48

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6587.101+/-1.488 χ^2/NDF: 1522752.8/20

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6516.605+/-1.357 χ^2/NDF: 2110748.5/25

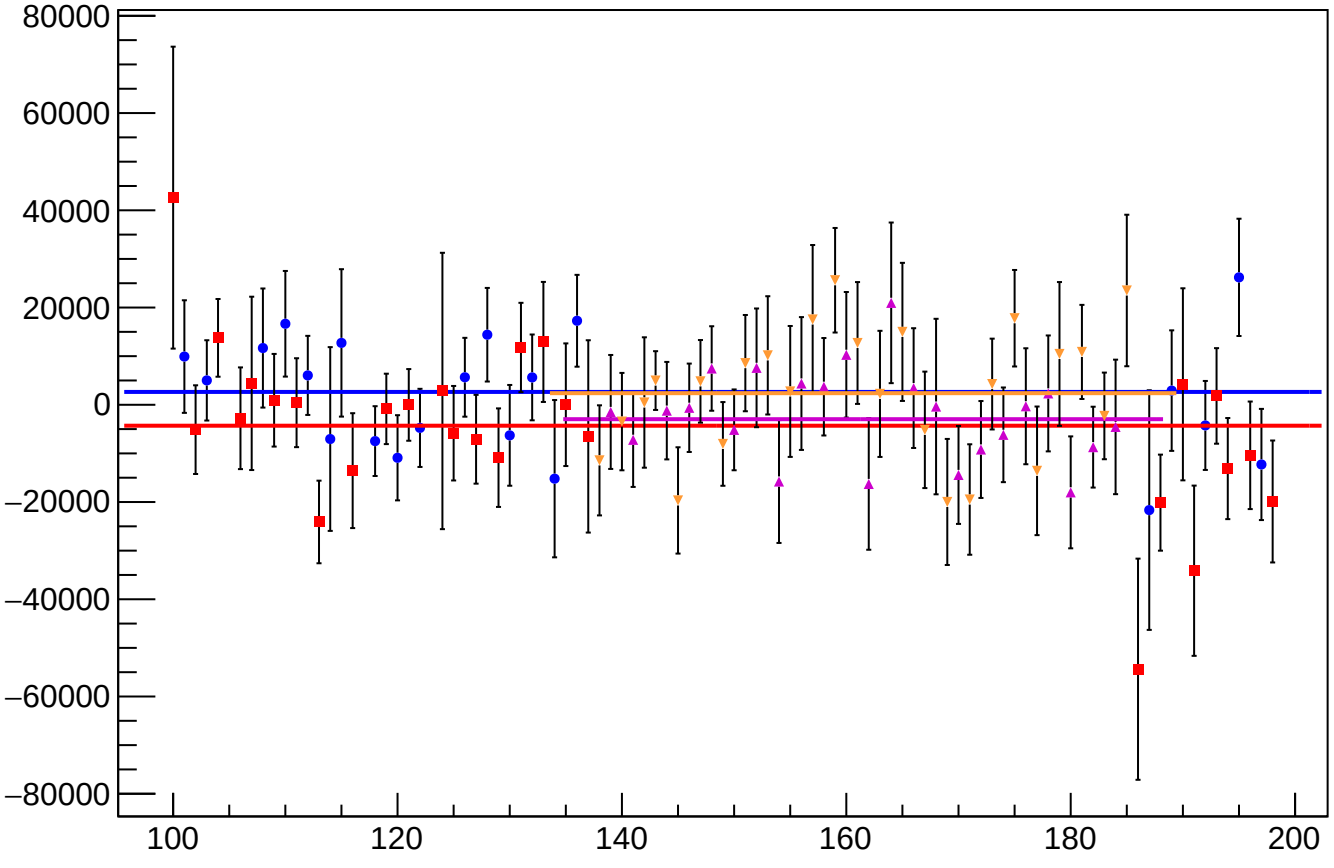
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8029.245+/-1.103 χ^2/NDF: 4830165.3/44

All: 7913.196+/-0.759 χ^2/NDF: 10565102.2/9

- sign 7809.149+/-1.045 χ^2/NDF: 5713957.5/48

asym_atl2_mean vs Slug



Right In: 2644.334+/-2207.166 χ^2/NDF: 22.0/20

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -4303.684+/-2060.979 χ^2/NDF: 34.0/26

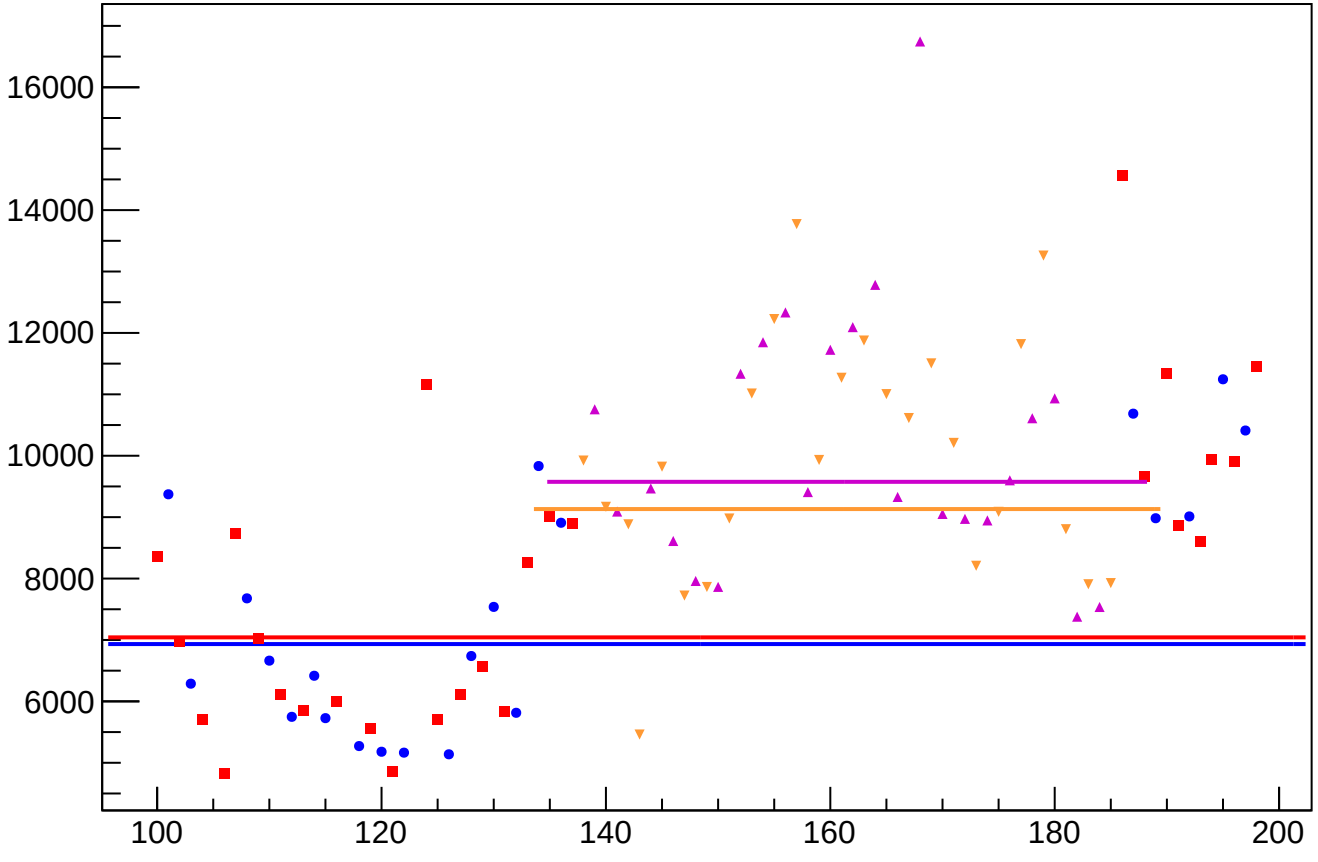
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2511.926+/-1535.119 χ^2/NDF: 51.7/45

All: -607.643+/-1083.178 χ^2/NDF: 107.1/95

- sign -3700.743+/-1528.593 χ^2/NDF: 47.2/49

asym_atl2_rms vs Slug



Right In: 6933.215+/-1.561 χ^2/NDF: 1384734.3/20

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7042.329+/-1.457 χ^2/NDF: 1791543.7/26

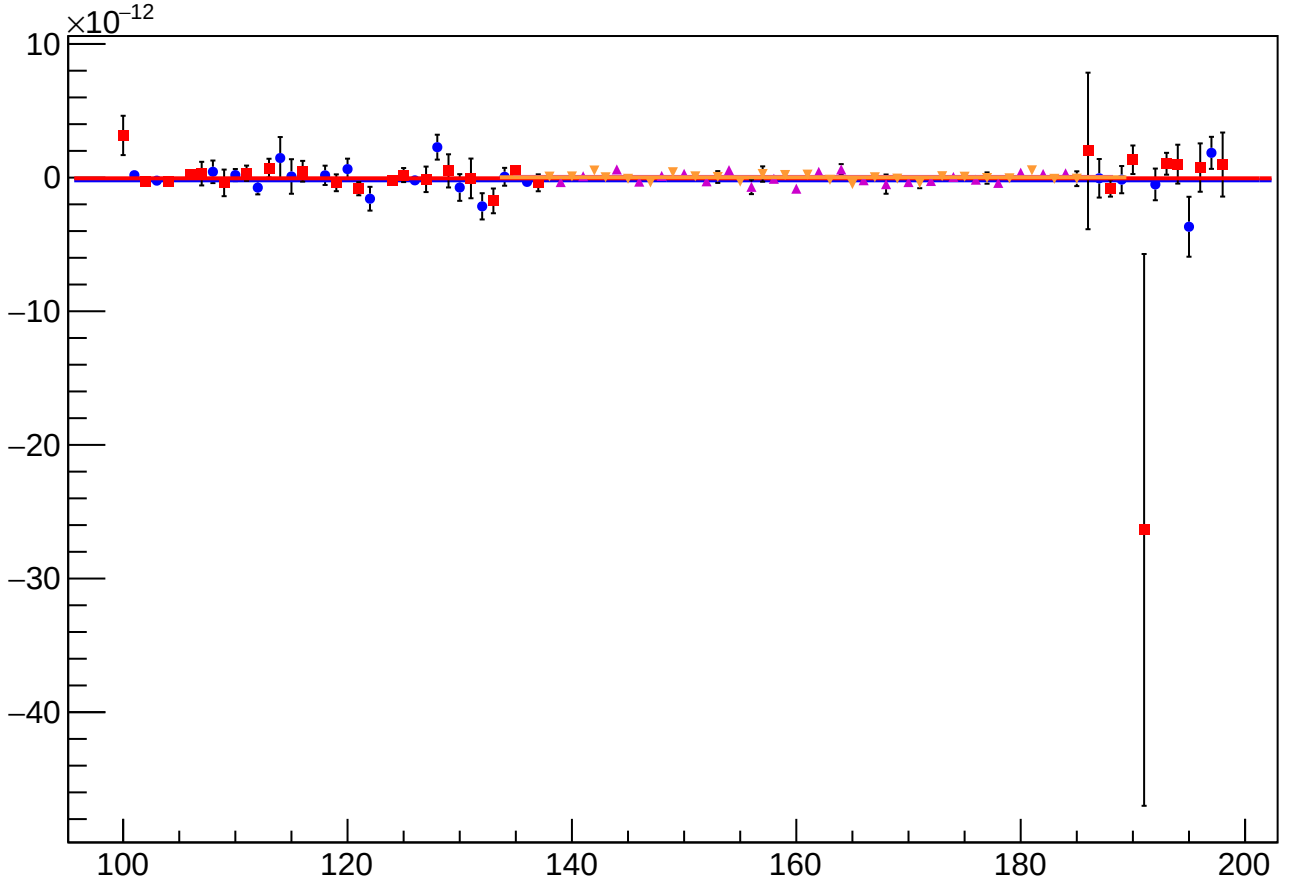
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8068.205+/-1.085 χ^2/NDF: 4220818.7/45

All: 8125.294+/-0.766 χ^2/NDF: 8530748.6/95

- sign 8181.897+/-1.081 χ^2/NDF: 4304421.5/49

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

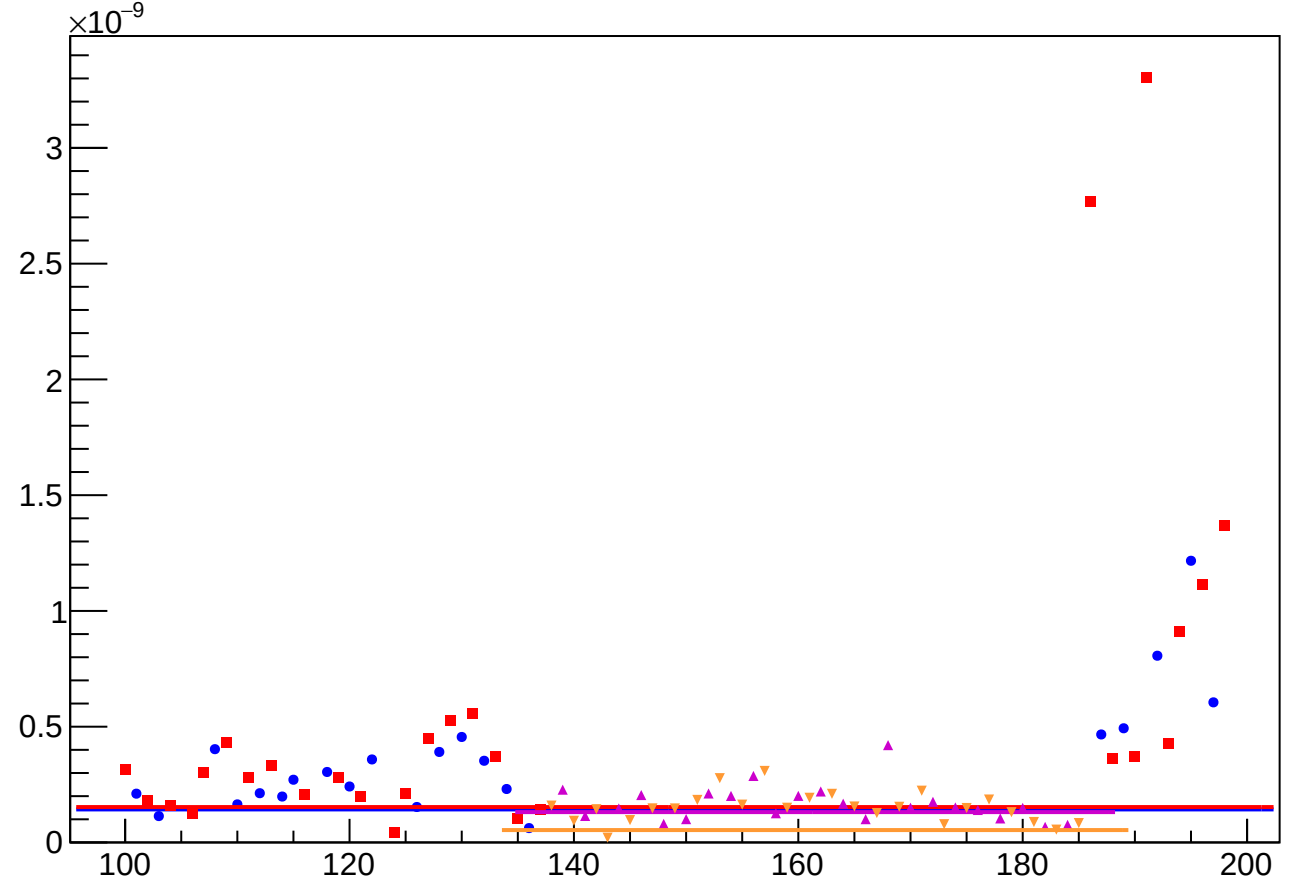
Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/26

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.5/45

All: 0.000+/-0.000 χ^2/NDF: 115.7/95

- sign 0.000+/-0.000 χ^2/NDF: 66.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 3481949.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

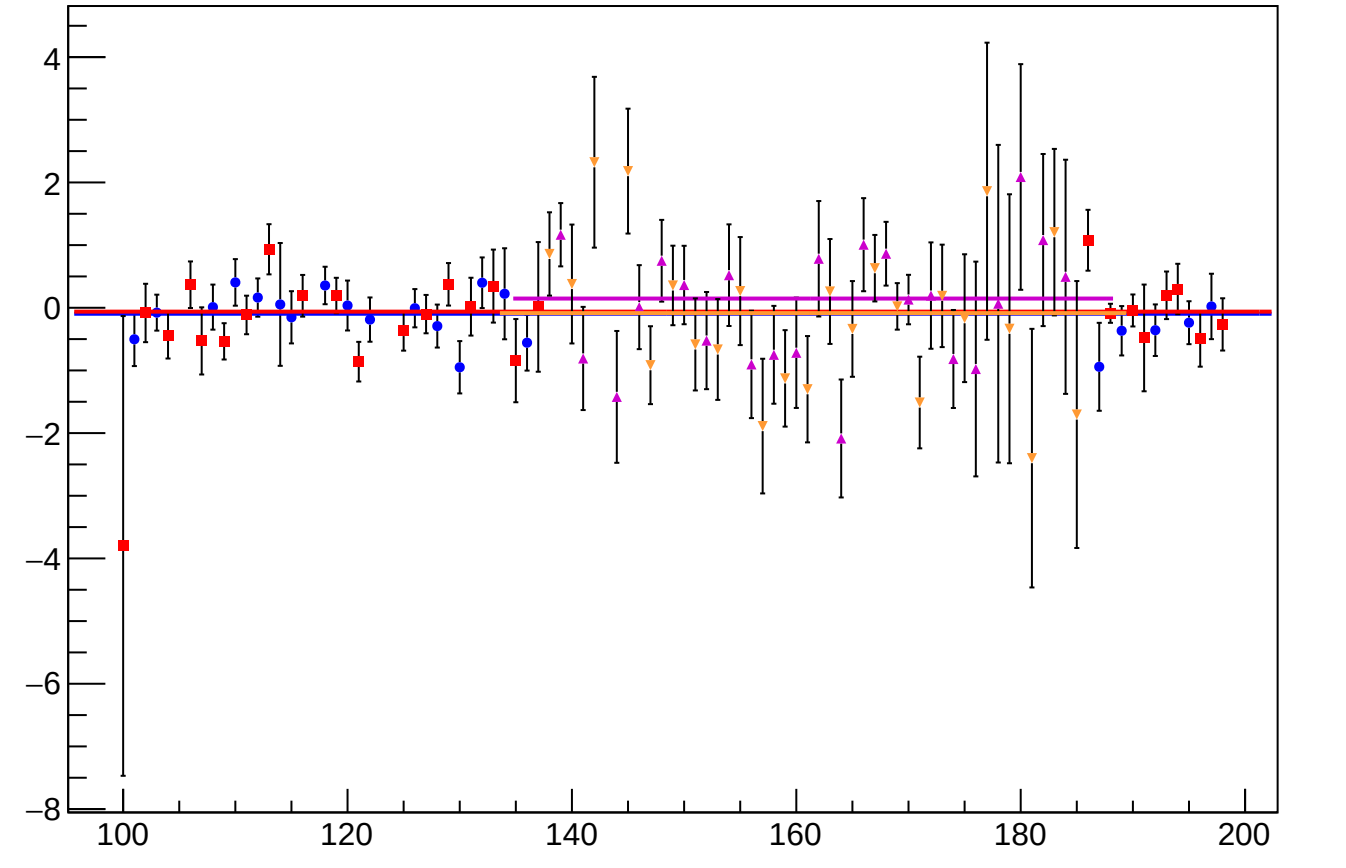
Right Out: 0.000+/-0.000 χ^2/NDF: 4980014.1/26

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12364969.2/45

All: 0.000+/-0.000 χ^2/NDF: 23060606.1/95

- sign 0.000+/-0.000 χ^2/NDF: 6965206.5/49



Right In: -0.095+/-0.084 χ^2/NDF: 15.9/20

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.069 χ^2/NDF: 33.7/25

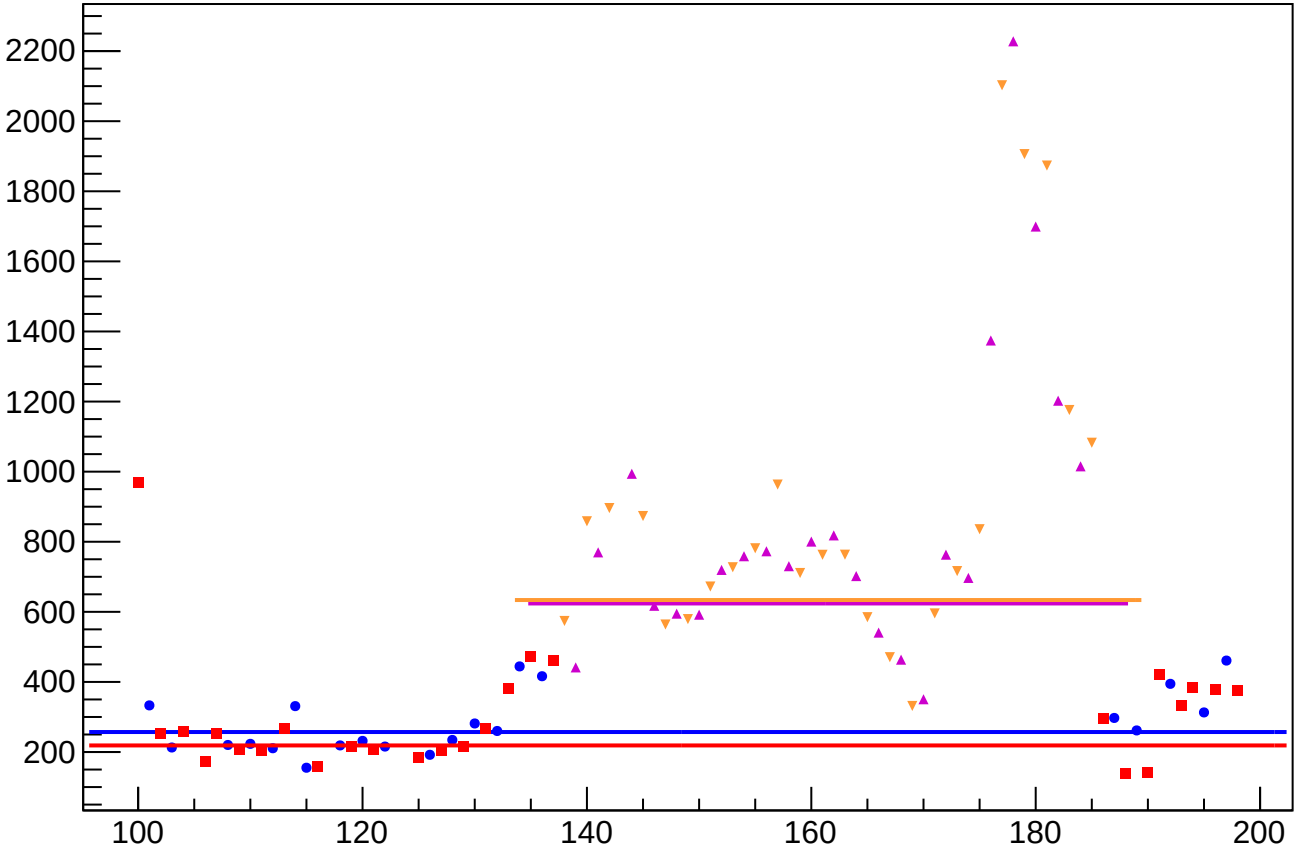
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.093+/-0.075 χ^2/NDF: 46.2/44

All: -0.055+/-0.048 χ^2/NDF: 108.2/93

- sign -0.028+/-0.063 χ^2/NDF: 61.6/48

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 257.063+/-0.060 χ^2/NDF: 1477095.2/20

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 218.792+/-0.049 χ^2/NDF: 2834753.5/25

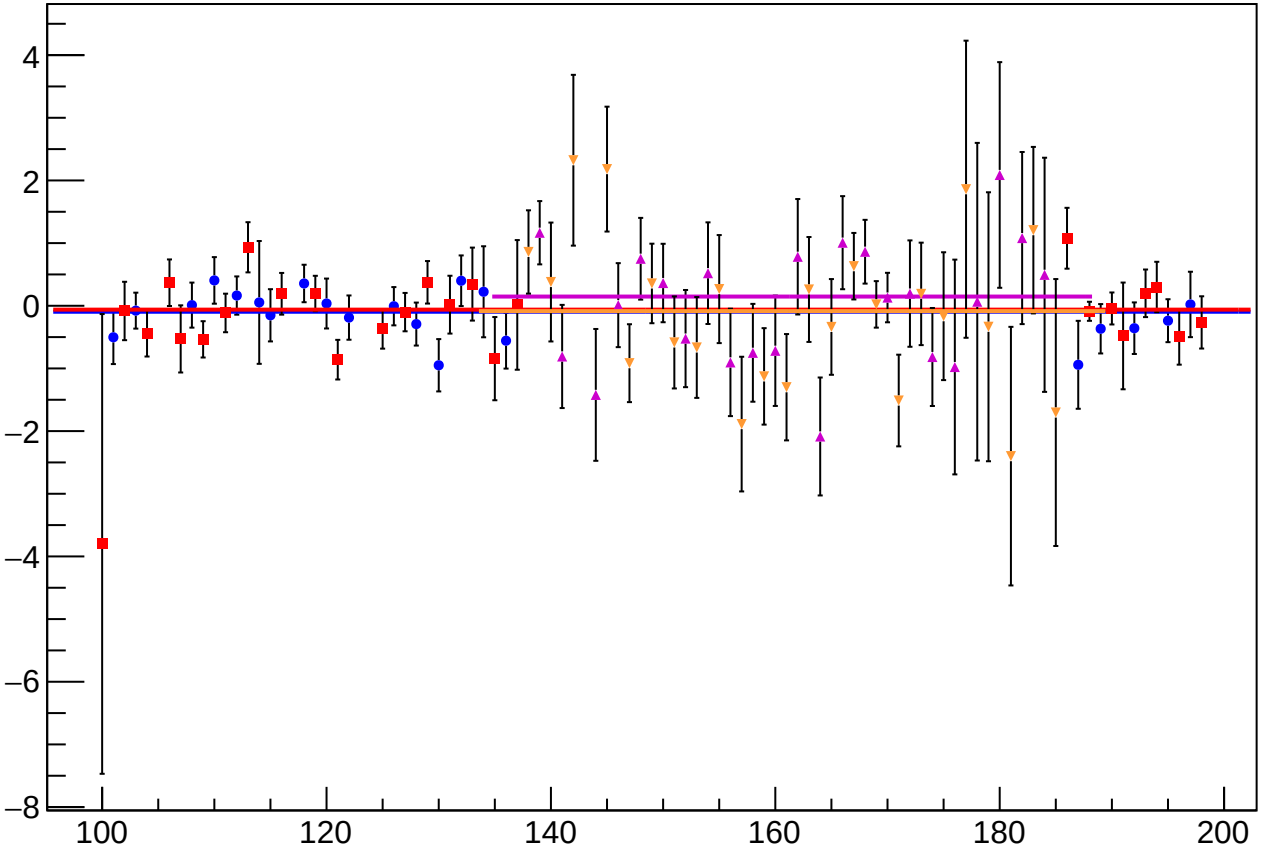
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.978+/-0.053 χ^2/NDF: 15017781.9/44

All: 305.906+/-0.034 χ^2/NDF: 34053362.9/93

- sign 283.134+/-0.045 χ^2/NDF: 18407268.1/48

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.095+/-0.084 χ^2/NDF: 15.9/20

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.069 χ^2/NDF: 33.7/25

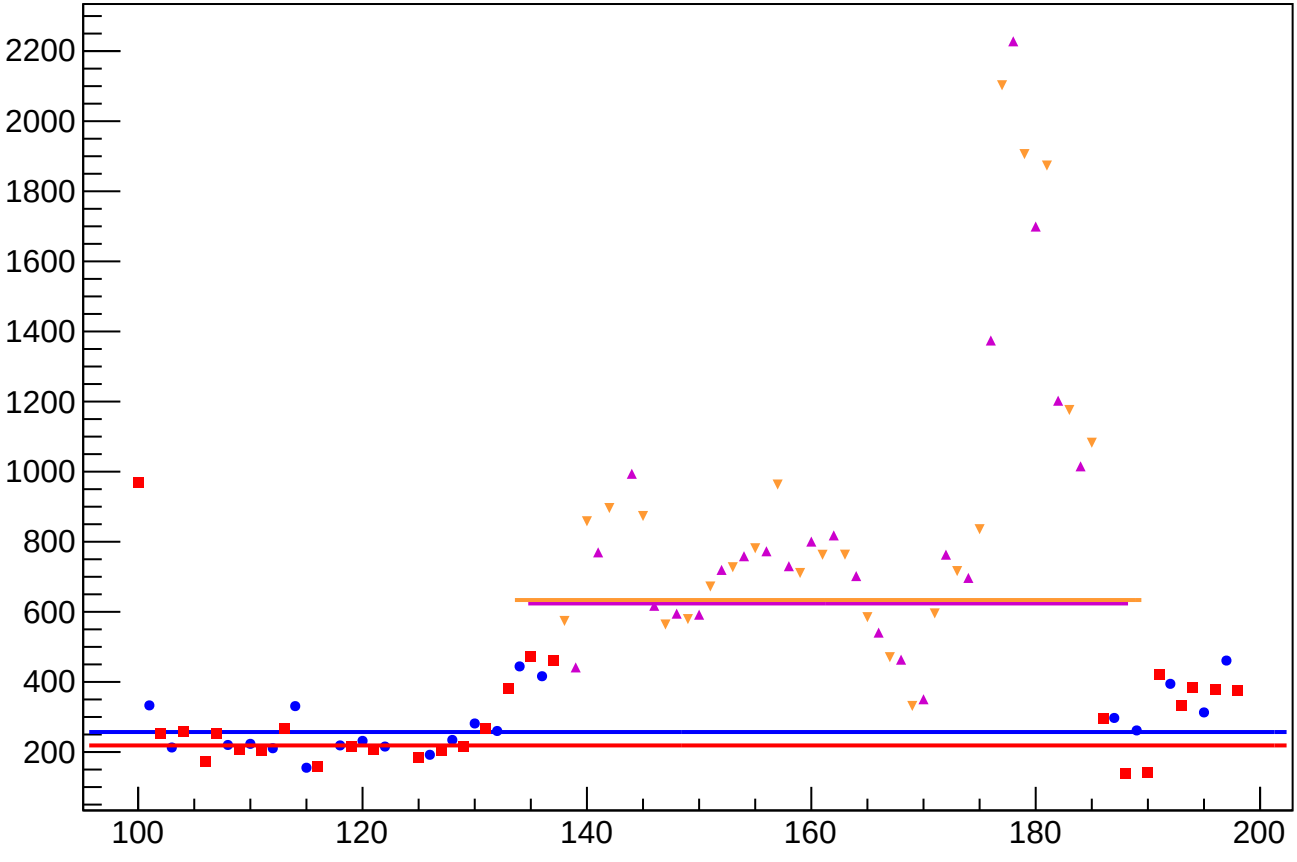
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.093+/-0.075 χ^2/NDF: 46.2/44

All: -0.055+/-0.048 χ^2/NDF: 108.2/93

- sign -0.028+/-0.063 χ^2/NDF: 61.6/48

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 257.063+/-0.060 χ^2/NDF: 1477095.2/20

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

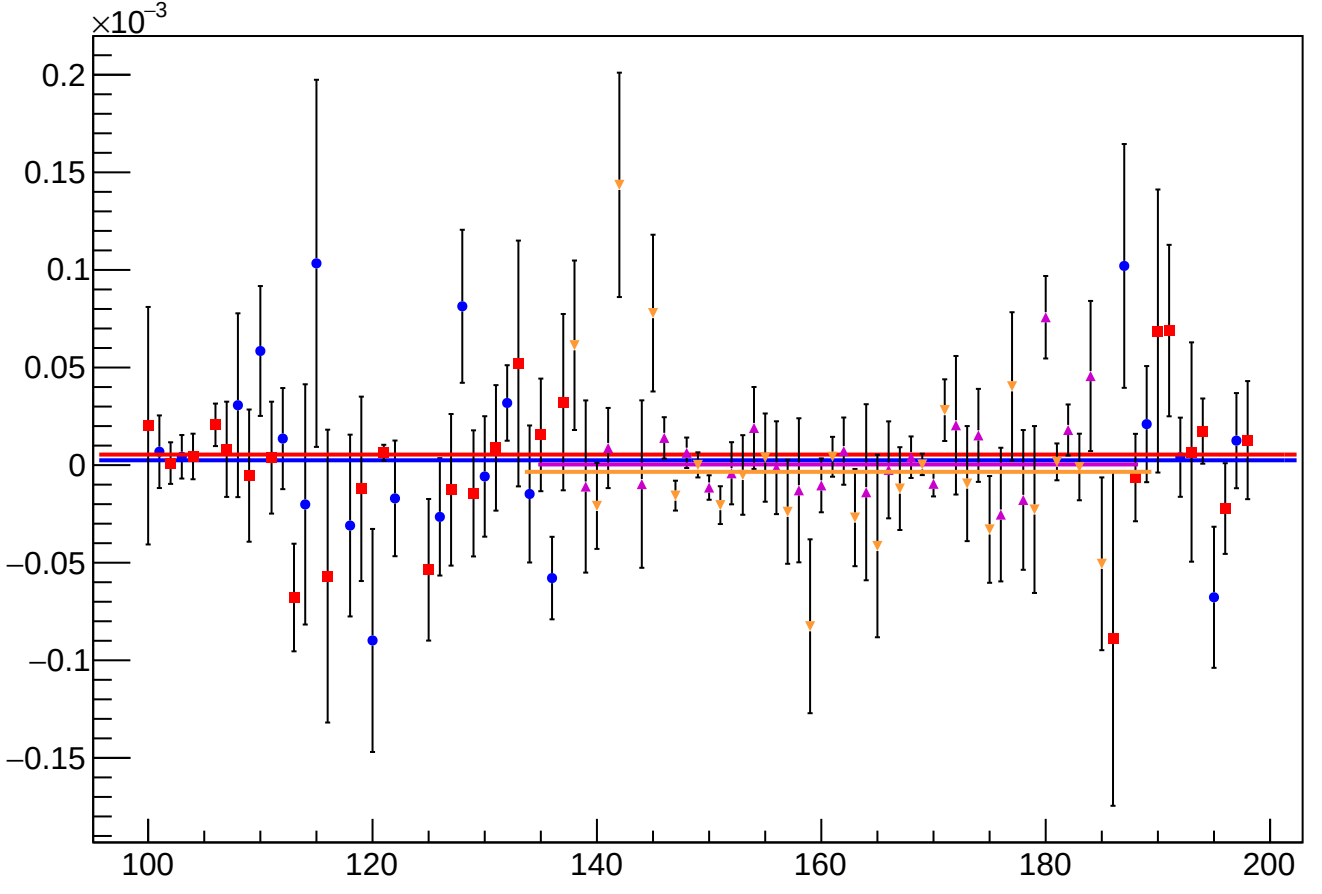
Right Out: 218.792+/-0.049 χ^2/NDF: 2834753.5/25

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.978+/-0.053 χ^2/NDF: 15017781.9/44

All: 305.906+/-0.034 χ^2/NDF: 34053362.9/93

- sign 283.134+/-0.045 χ^2/NDF: 18407268.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/25

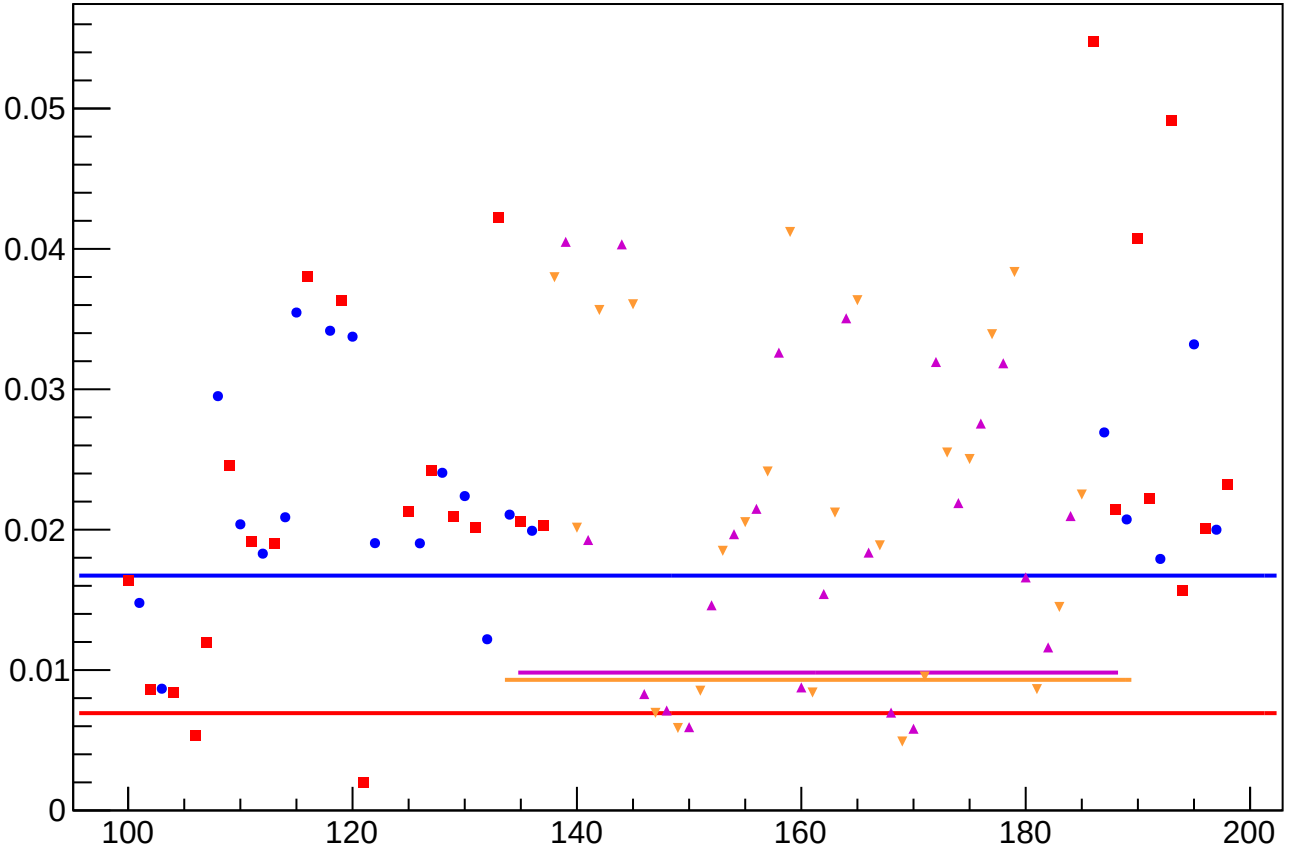
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.1/44

All: 0.000+/-0.000 χ^2/NDF: 118.7/93

- sign 0.000+/-0.000 χ^2/NDF: 50.2/48

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 2686721.1/20

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 13369716.8/25

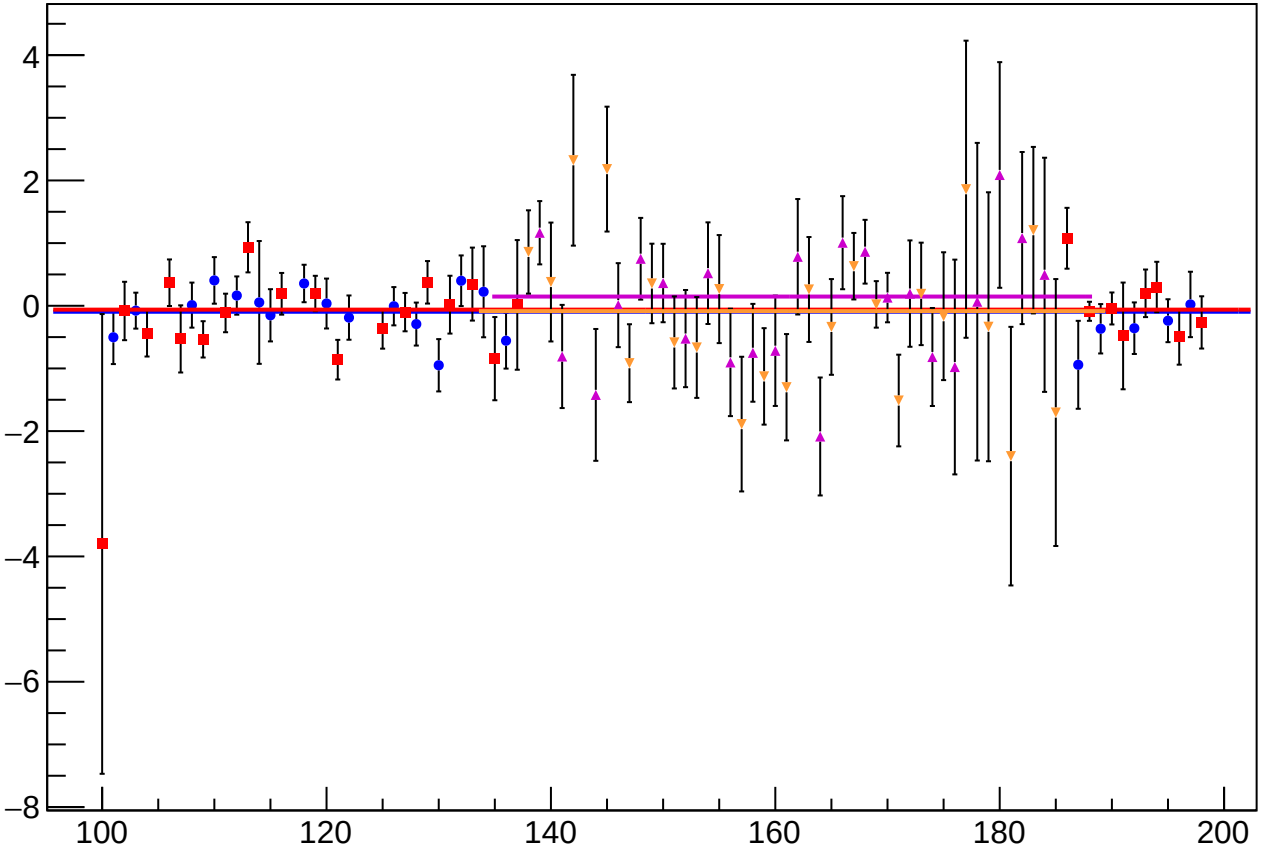
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 17668366.9/44

All: 0.009+/-0.000 χ^2/NDF: 43256890.2/93

- sign 0.008+/-0.000 χ^2/NDF: 24620525.2/48

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.095+/-0.084 χ^2/NDF: 16.0/20

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.069 χ^2/NDF: 33.7/25

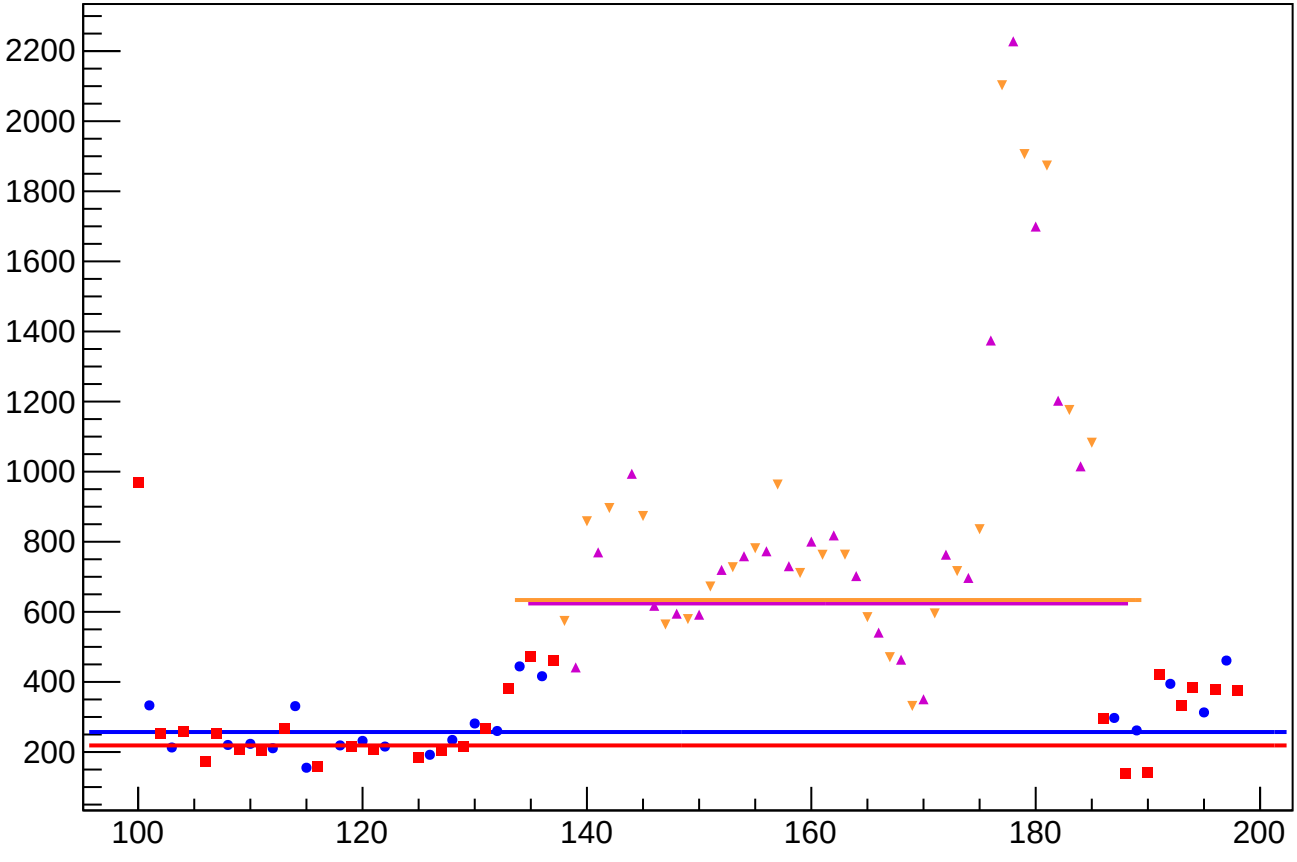
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.093+/-0.075 χ^2/NDF: 46.2/44

All: -0.055+/-0.048 χ^2/NDF: 108.2/93

- sign -0.028+/-0.063 χ^2/NDF: 61.6/48

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 257.064+/-0.060 χ^2/NDF: 1477059.0/20

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

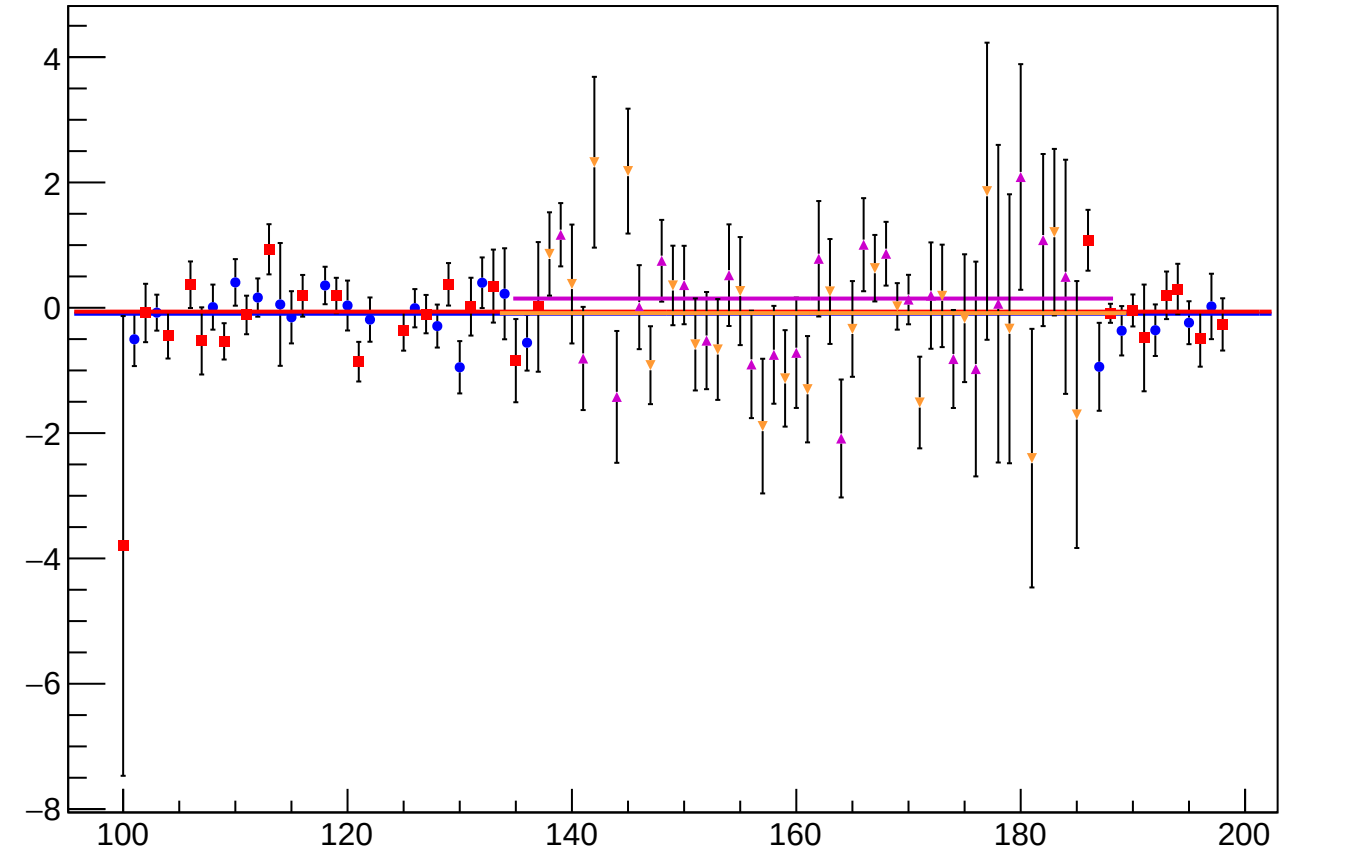
Right Out: 218.790+/-0.049 χ^2/NDF: 2834854.5/25

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.979+/-0.053 χ^2/NDF: 15017837.0/44

All: 305.904+/-0.034 χ^2/NDF: 34053915.1/93

- sign 283.131+/-0.045 χ^2/NDF: 18407671.9/48



Right In: -0.095+/-0.084 χ^2/NDF: 16.0/20

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

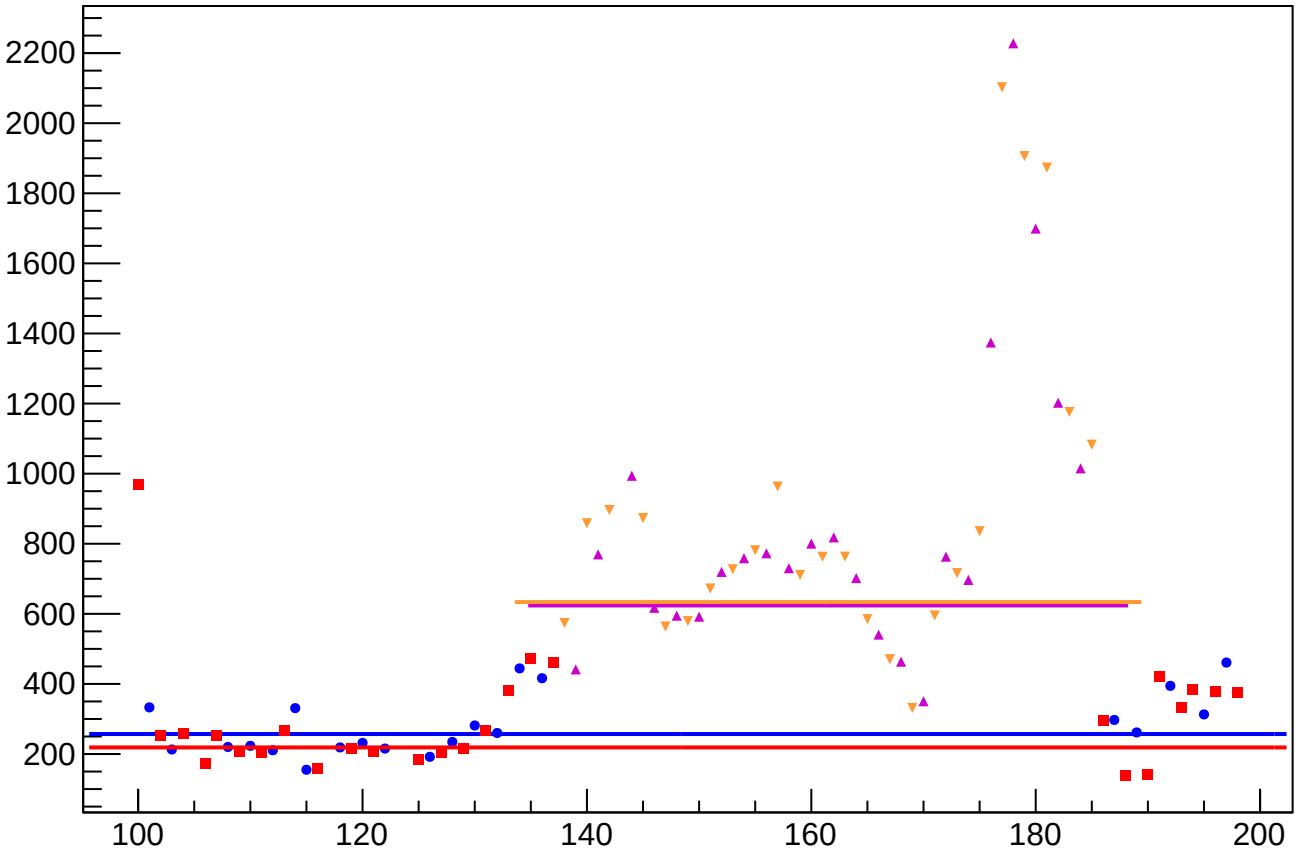
Right Out: -0.062+/-0.069 χ^2/NDF: 33.7/25

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.093+/-0.075 χ^2/NDF: 46.2/44

All: -0.055+/-0.048 χ^2/NDF: 108.2/93

- sign -0.028+/-0.063 χ^2/NDF: 61.6/48



Right In: 257.064+/-0.060 χ^2/NDF: 1477059.0/20

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 218.790+/-0.049 χ^2/NDF: 2834854.5/25

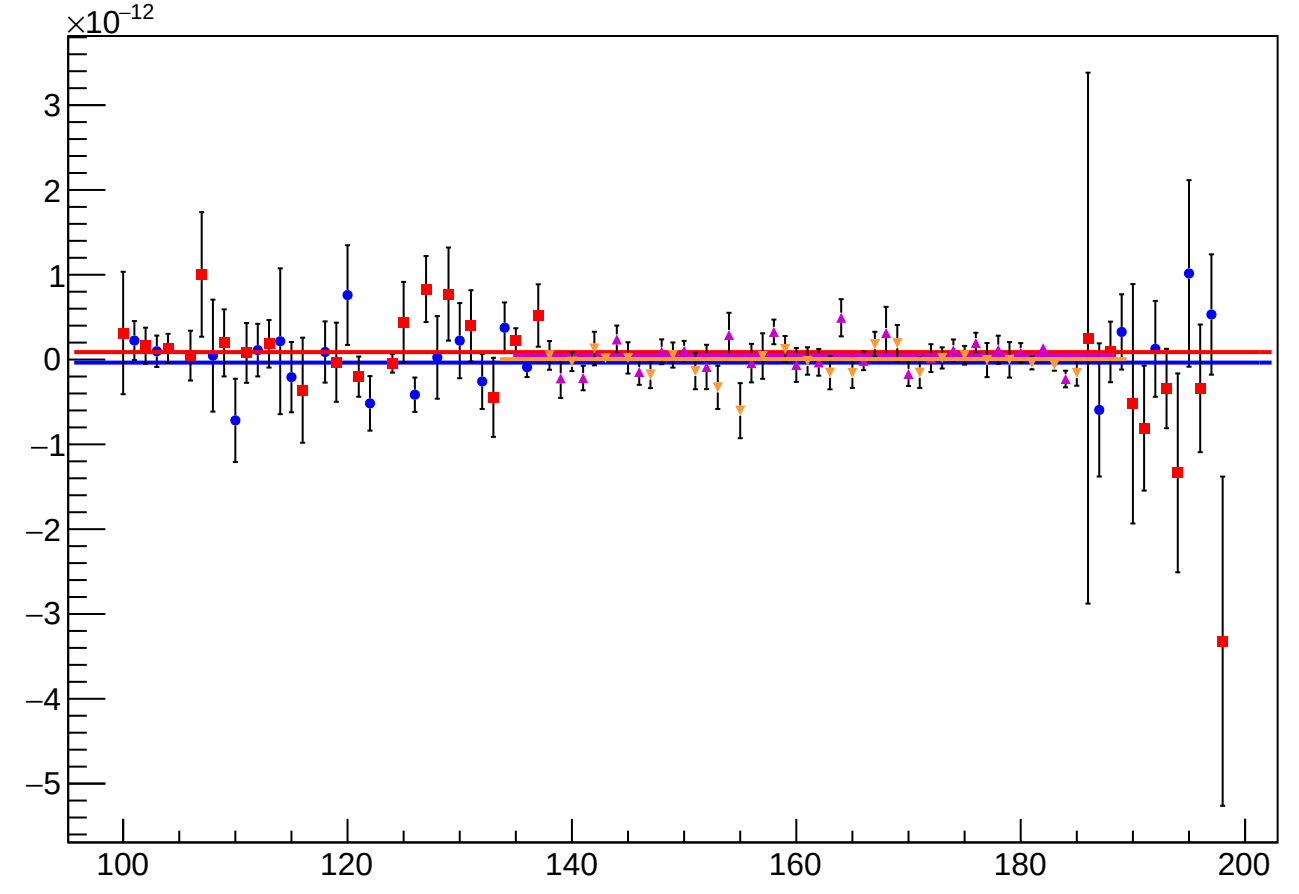
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.979+/-0.053 χ^2/NDF: 15017837.0/44

All: 305.904+/-0.034 χ^2/NDF: 34053915.1/93

- sign 283.131+/-0.045 χ^2/NDF: 18407671.9/48

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/26

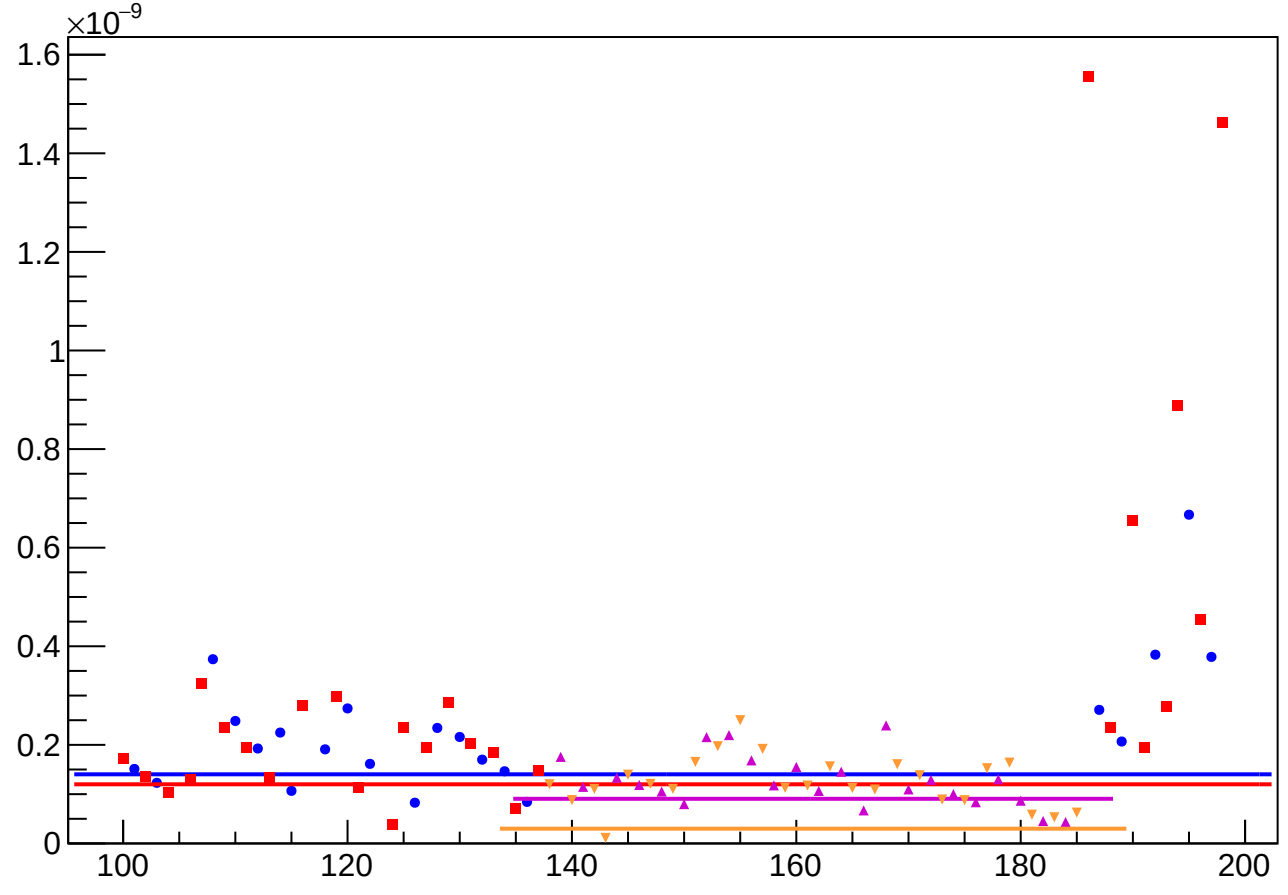
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.8/45

All: 0.000+/-0.000 χ^2/NDF: 94.1/95

- sign 0.000+/-0.000 χ^2/NDF: 56.6/49

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2532378.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6130276.7/26

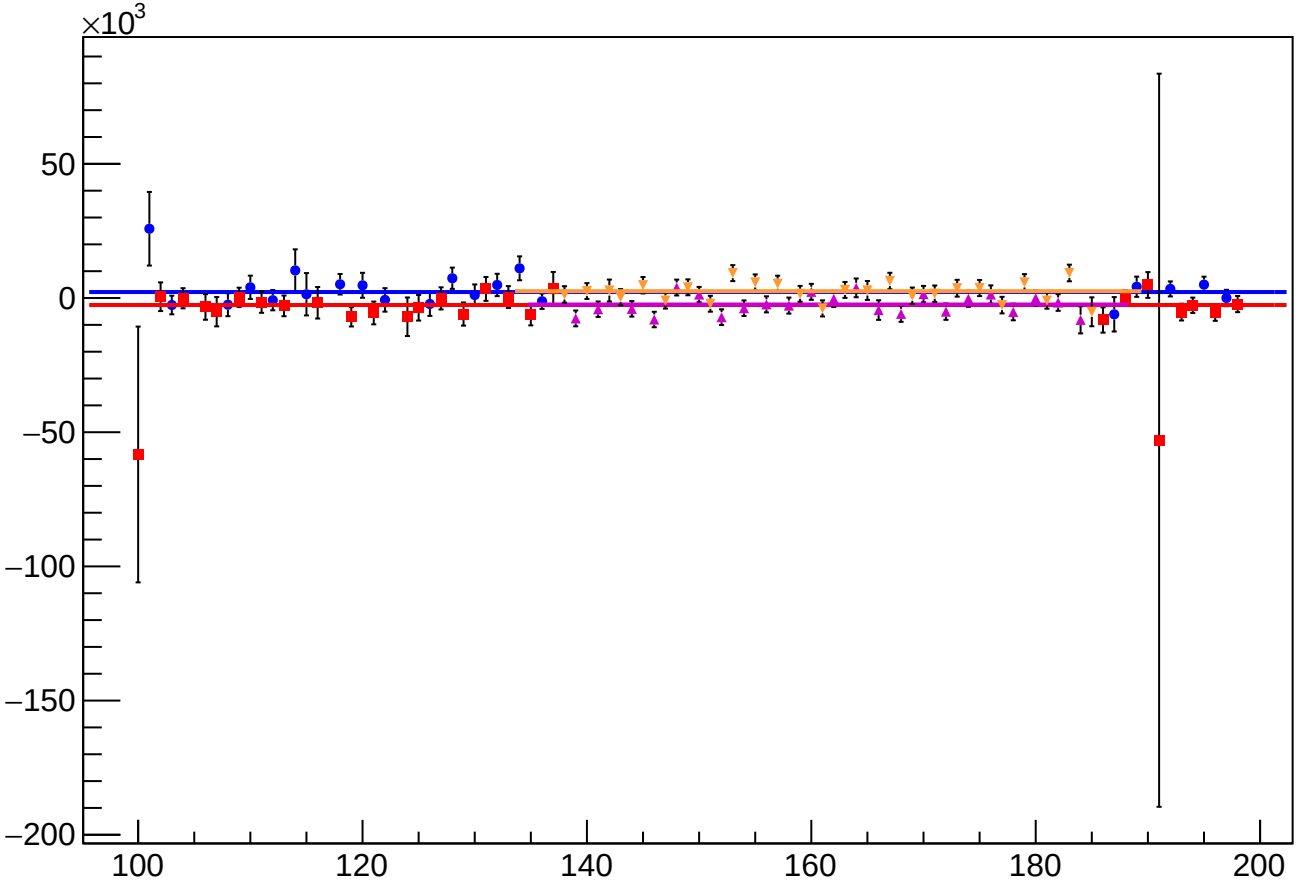
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 25211954.8/45

All: 0.000+/-0.000 χ^2/NDF: 45906026.6/95

- sign 0.000+/-0.000 χ^2/NDF: 11272112.5/49

reg_asym_atr1_mean vs Slug



Right In: 2234.041+/-871.389 χ^2/NDF: 21.3/20

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2597.917+/-796.574 χ^2/NDF: 17.1/26

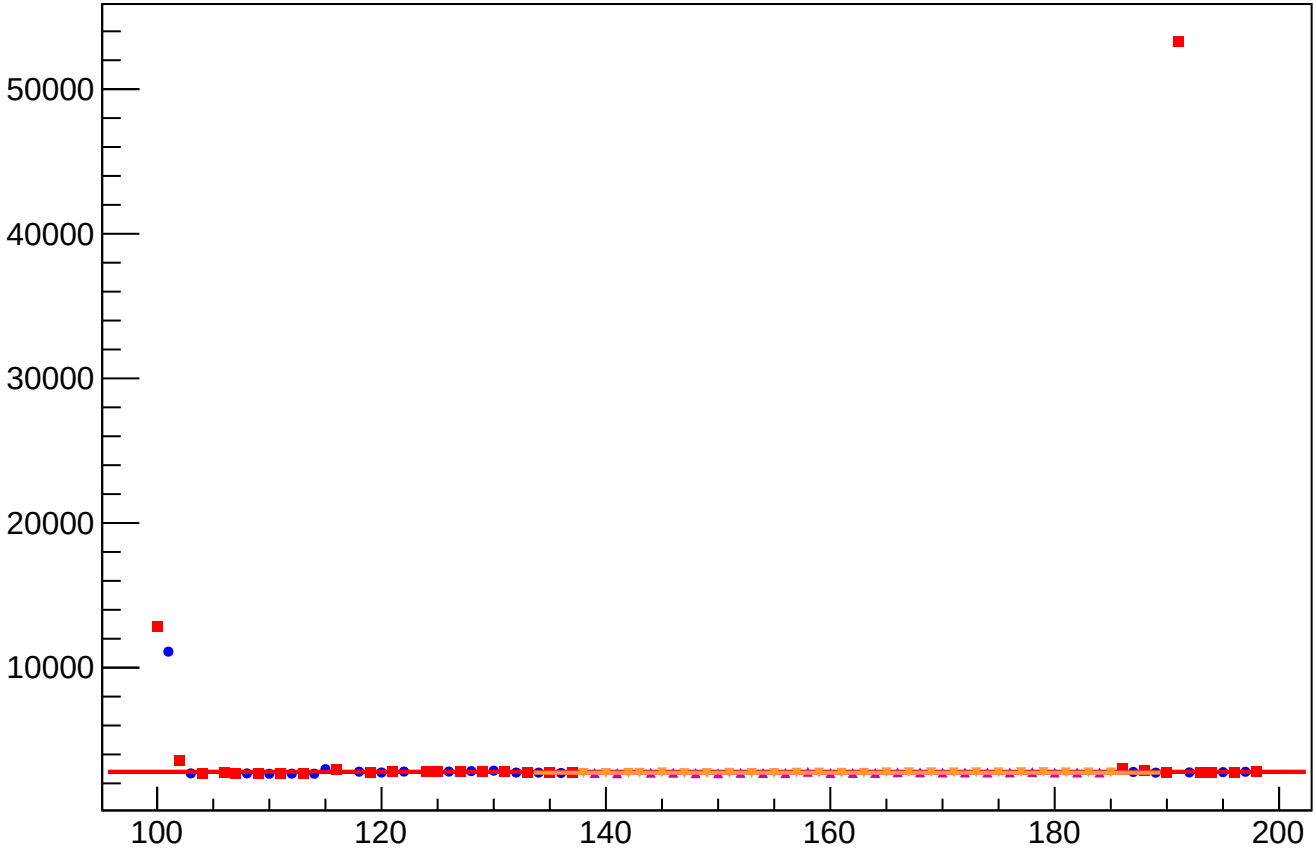
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.915+/-506.166 χ^2/NDF: 53.0/45

All: -53.568+/-355.276 χ^2/NDF: 149.7/95

- sign -2482.658+/-498.788 χ^2/NDF: 48.5/49

reg_asym_atr1_rms vs Slug



Right In: 2793.996+/-0.616 χ^2/NDF: 747310.4/20

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2798.042+/-0.563 χ^2/NDF: 478602.4/26

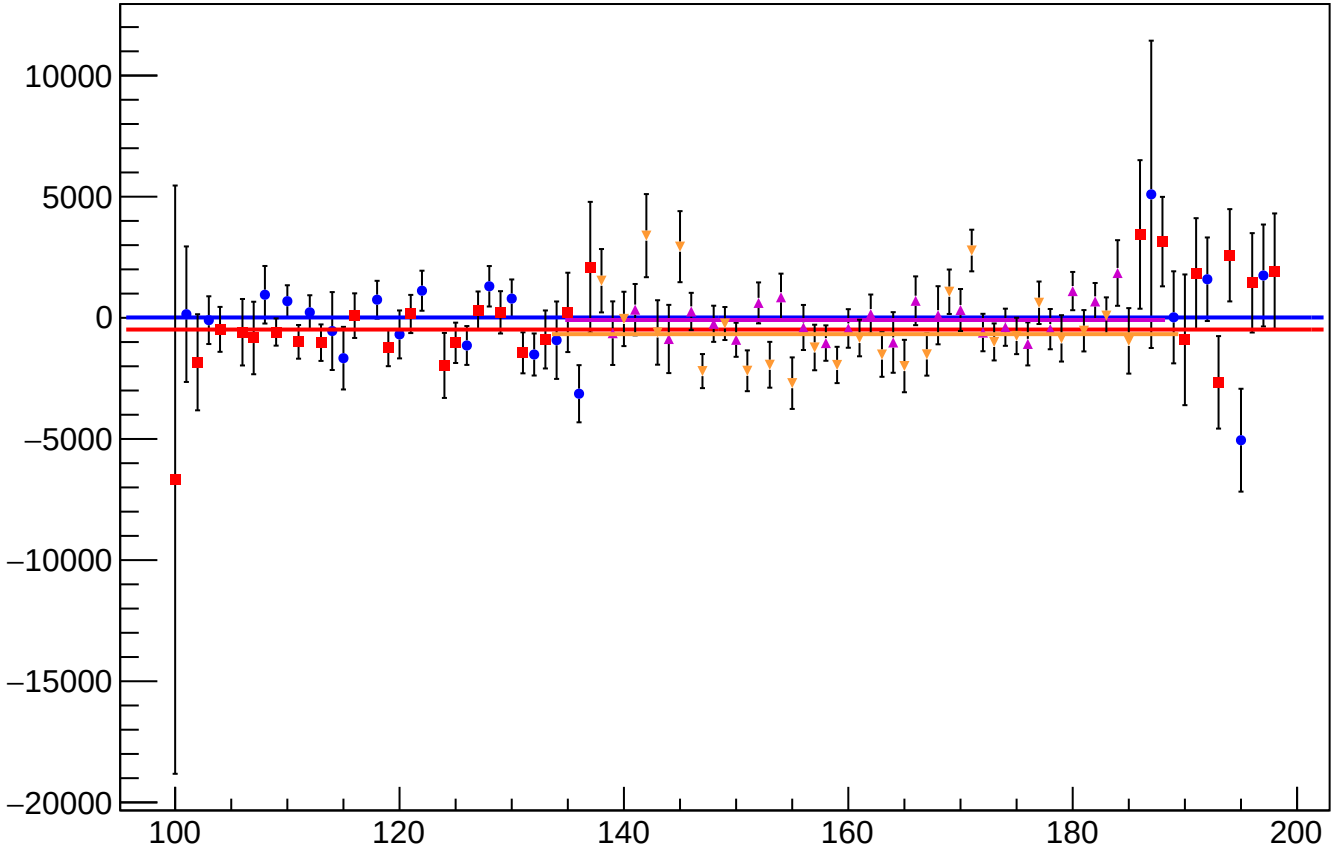
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.575+/-0.358 χ^2/NDF: 755194.5/45

All: 2759.669+/-0.251 χ^2/NDF: 1243792.0/95

- sign 2762.674+/-0.353 χ^2/NDF: 488450.1/49

asym_atr1_reg_correction_mean vs Slug



Right In: 14.937+/-226.864 χ^2/NDF: 30.6/20

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -483.416+/-207.900 χ^2/NDF: 22.0/26

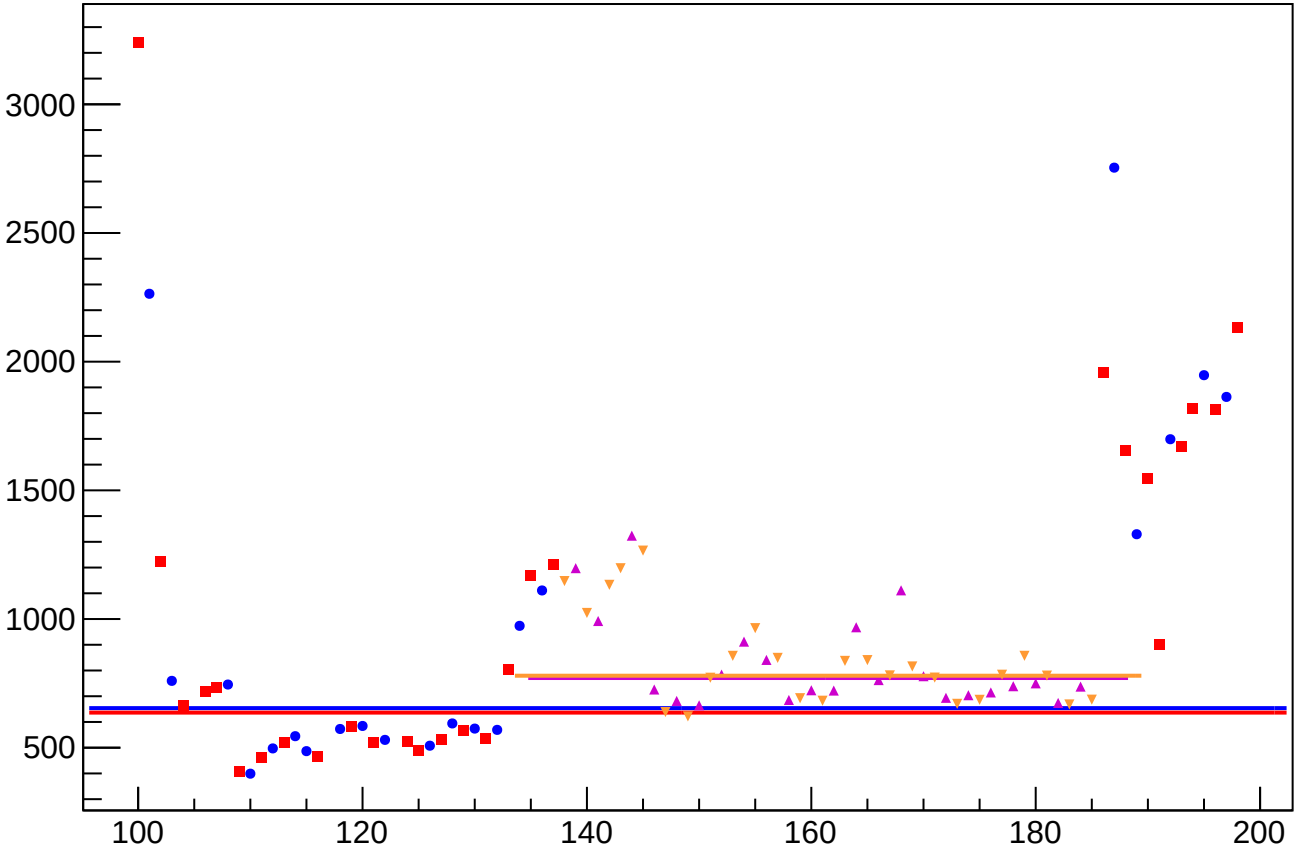
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -405.430+/-141.596 χ^2/NDF: 94.6/45

All: -331.646+/-98.670 χ^2/NDF: 134.0/95

- sign -261.998+/-137.572 χ^2/NDF: 38.8/49

asym_atr1_reg_correction_rms vs Slug



Right In: 653.793+/-0.160 χ^2/NDF: 4322326.5/20

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 636.418+/-0.147 χ^2/NDF: 5446994.1/26

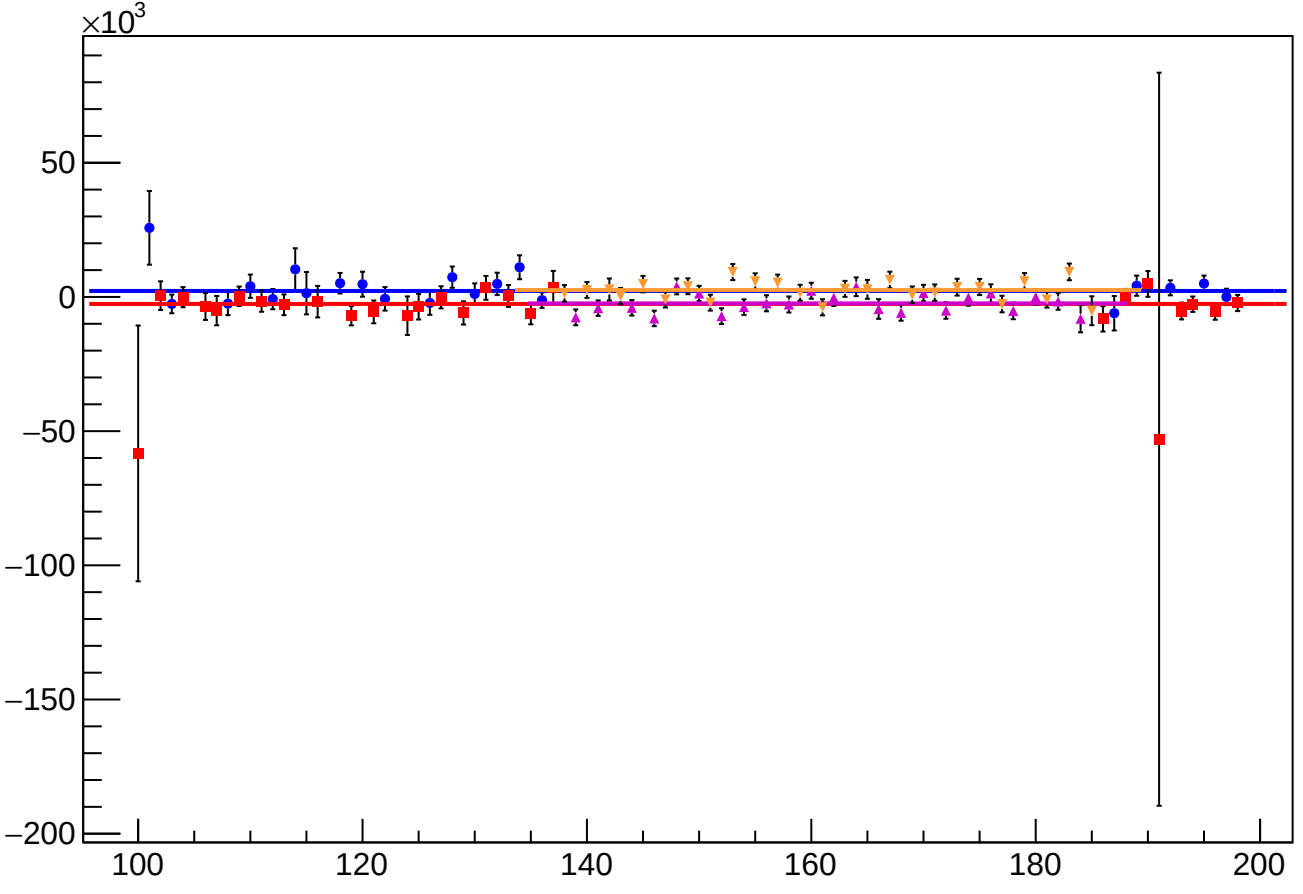
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 730.661+/-0.100 χ^2/NDF: 5942207.7/45

All: 721.038+/-0.070 χ^2/NDF: 12953192.7/95

- sign 711.954+/-0.097 χ^2/NDF: 6993028.4/49

cor_asym_atr1_mean vs Slug



Right In: 2233.600+/-871.389 χ^2/NDF: 21.3/20

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2601.919+/-797.658 χ^2/NDF: 17.1/26

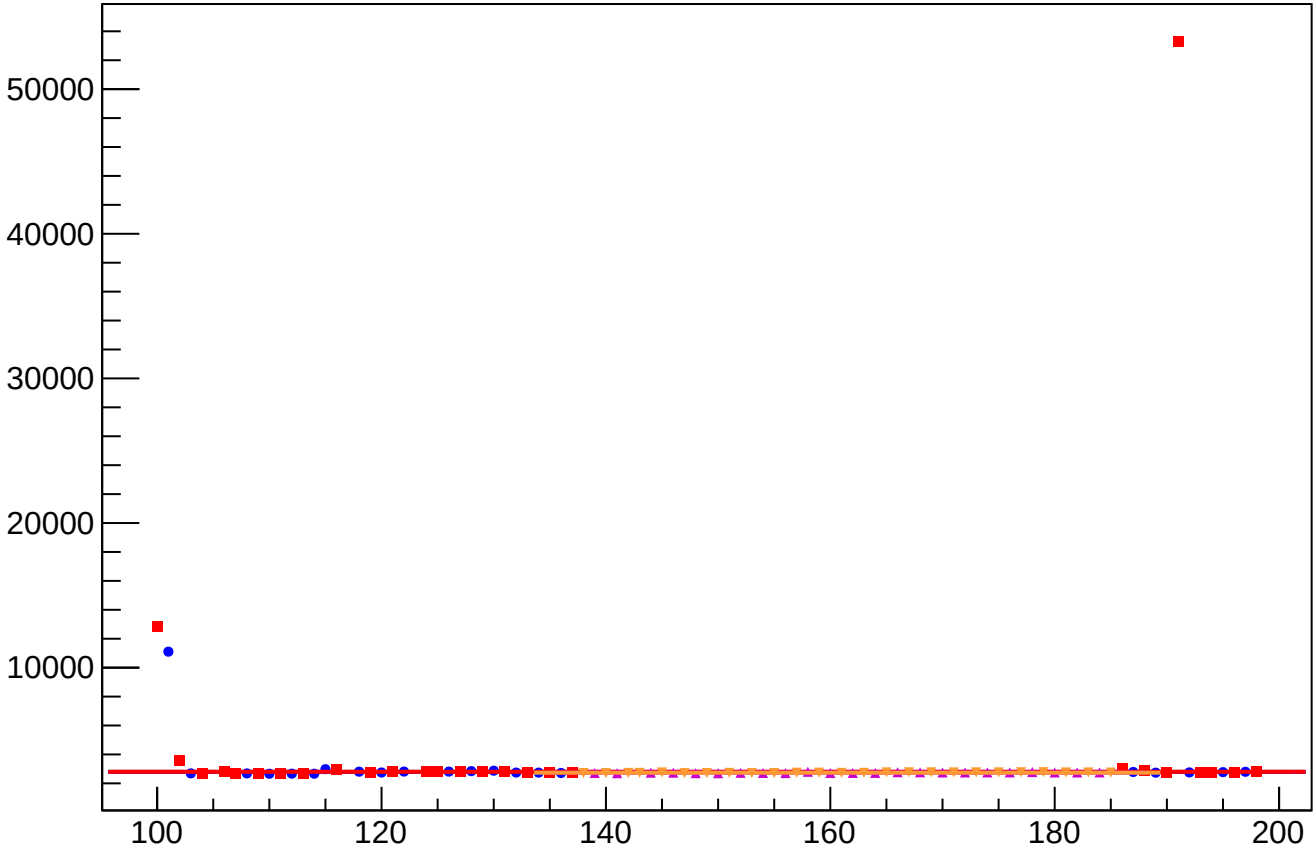
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.740+/-506.166 χ^2/NDF: 53.0/45

All: -53.116+/-355.372 χ^2/NDF: 149.7/95

- sign -2484.188+/-499.054 χ^2/NDF: 48.5/49

cor_asym_atr1_rms vs Slug



Right In: 2793.996+/-0.616 χ^2/NDF: 747309.5/20

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.220+/-0.564 χ^2/NDF: 478186.0/26

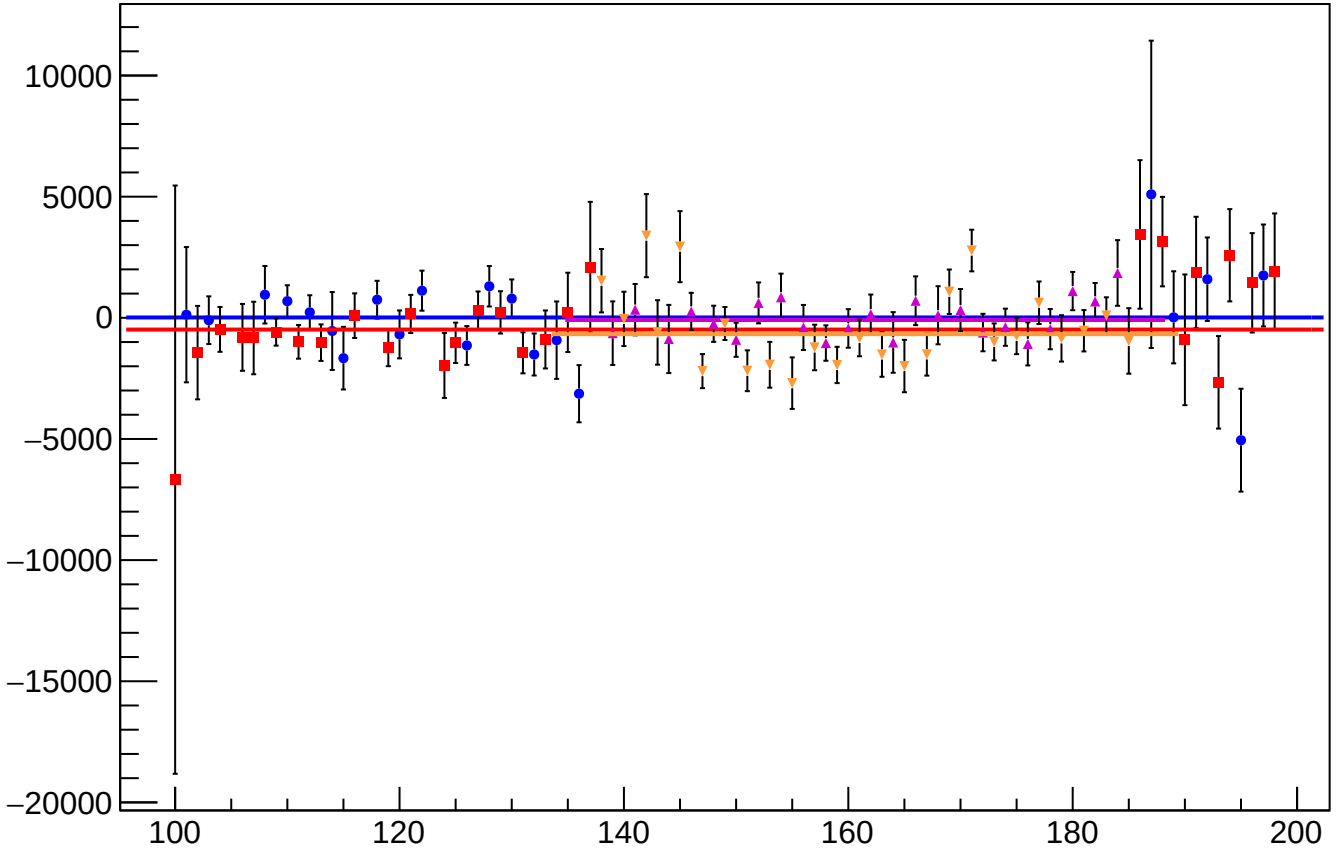
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.575+/-0.358 χ^2/NDF: 755193.6/45

All: 2760.279+/-0.251 χ^2/NDF: 1244154.6/95

- sign 2763.881+/-0.353 χ^2/NDF: 488749.6/49

asym_atr1_cor_correction_mean vs Slug



Right In: 14.905+/-226.853 χ^2/NDF: 30.6/20

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -484.255+/-207.865 χ^2/NDF: 21.9/26

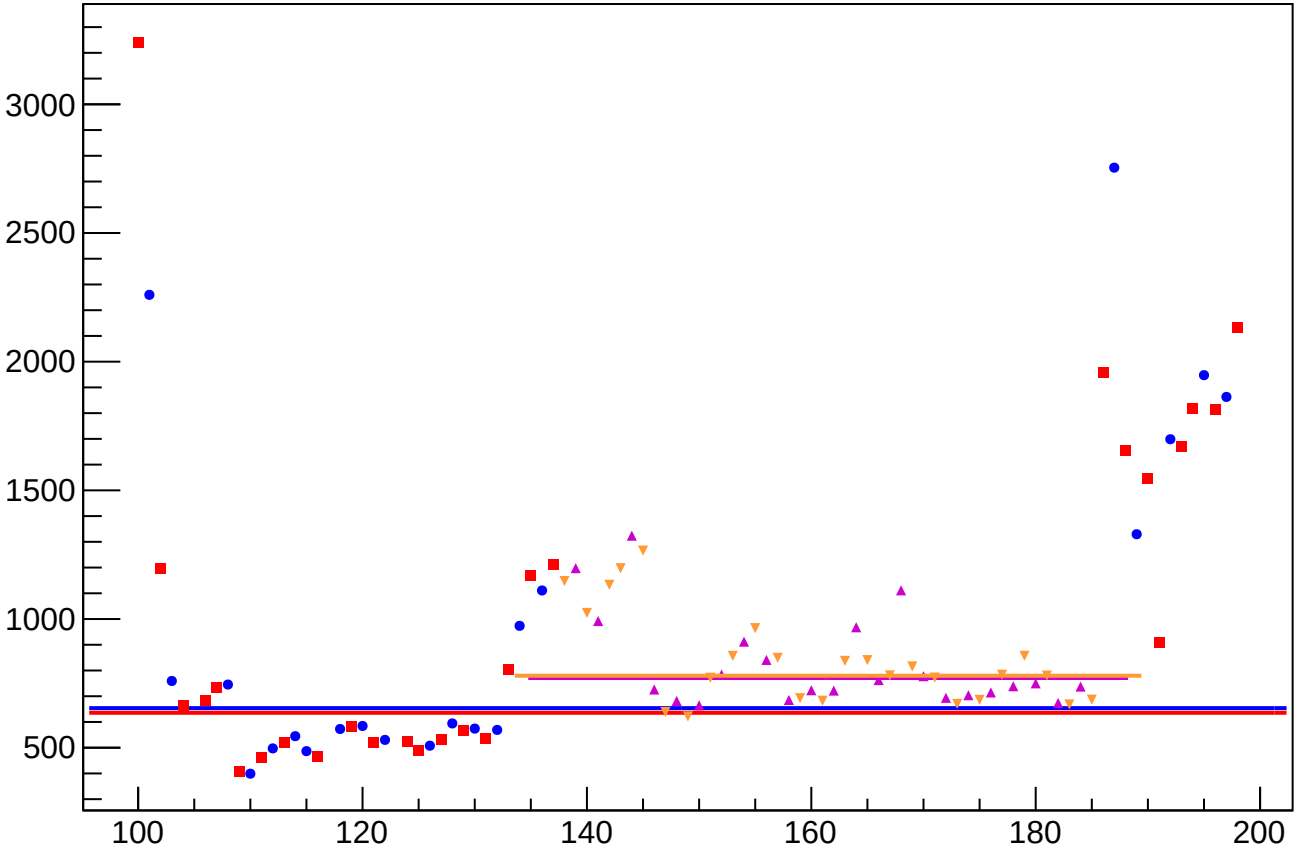
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -405.376+/-141.594 χ^2/NDF: 94.6/45

All: -331.859+/-98.666 χ^2/NDF: 133.8/95

- sign -262.469+/-137.562 χ^2/NDF: 38.7/49

asym_atr1_cor_correction_rms vs Slug



Right In: 653.785+/-0.160 χ^2/NDF: 4321364.5/20

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 635.733+/-0.147 χ^2/NDF: 5438405.1/26

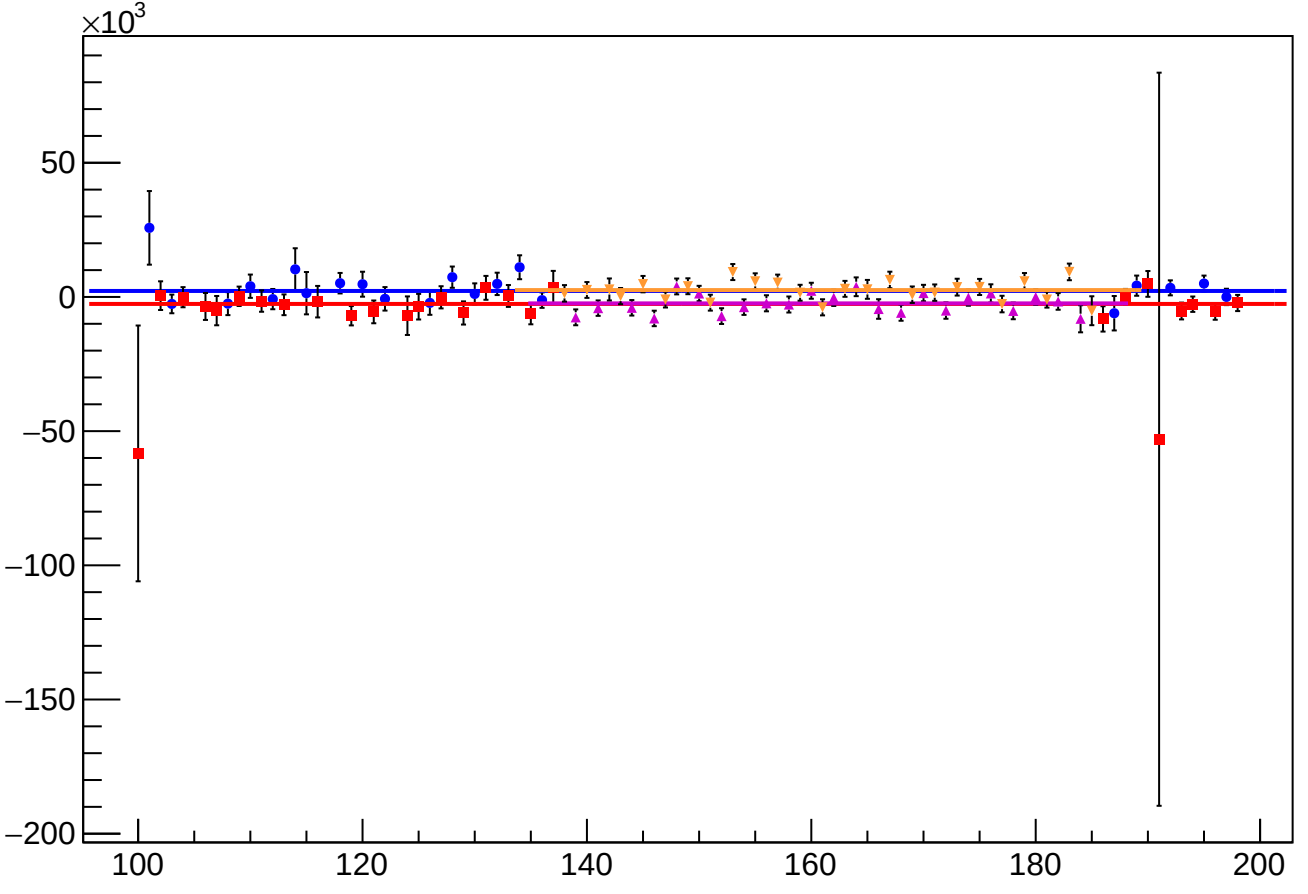
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 730.654+/-0.100 χ^2/NDF: 5941328.1/45

All: 720.875+/-0.070 χ^2/NDF: 12949162.3/95

- sign 711.645+/-0.097 χ^2/NDF: 6989291.1/49

eigen_cor_asym_atr1_mean vs Slug



Right In: 2233.600+/-871.389 χ^2/NDF: 21.3/20

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2601.919+/-797.658 χ^2/NDF: 17.1/26

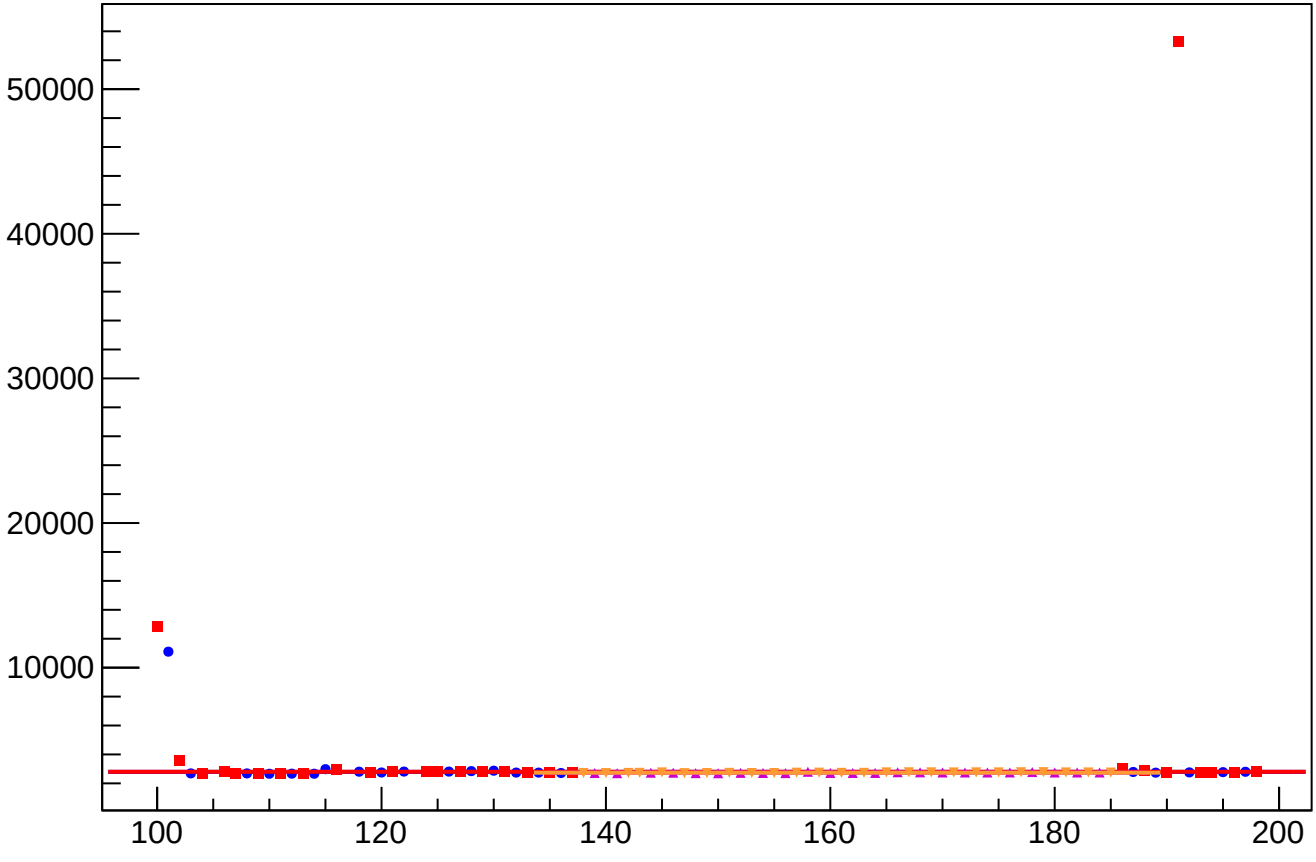
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.740+/-506.166 χ^2/NDF: 53.0/45

All: -53.116+/-355.372 χ^2/NDF: 149.7/95

- sign -2484.188+/-499.054 χ^2/NDF: 48.5/49

eigen_cor_asym_atr1_rms vs Slug



Right In: 2793.996+/-0.616 χ^2/NDF: 747309.5/20

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.220+/-0.564 χ^2/NDF: 478186.0/26

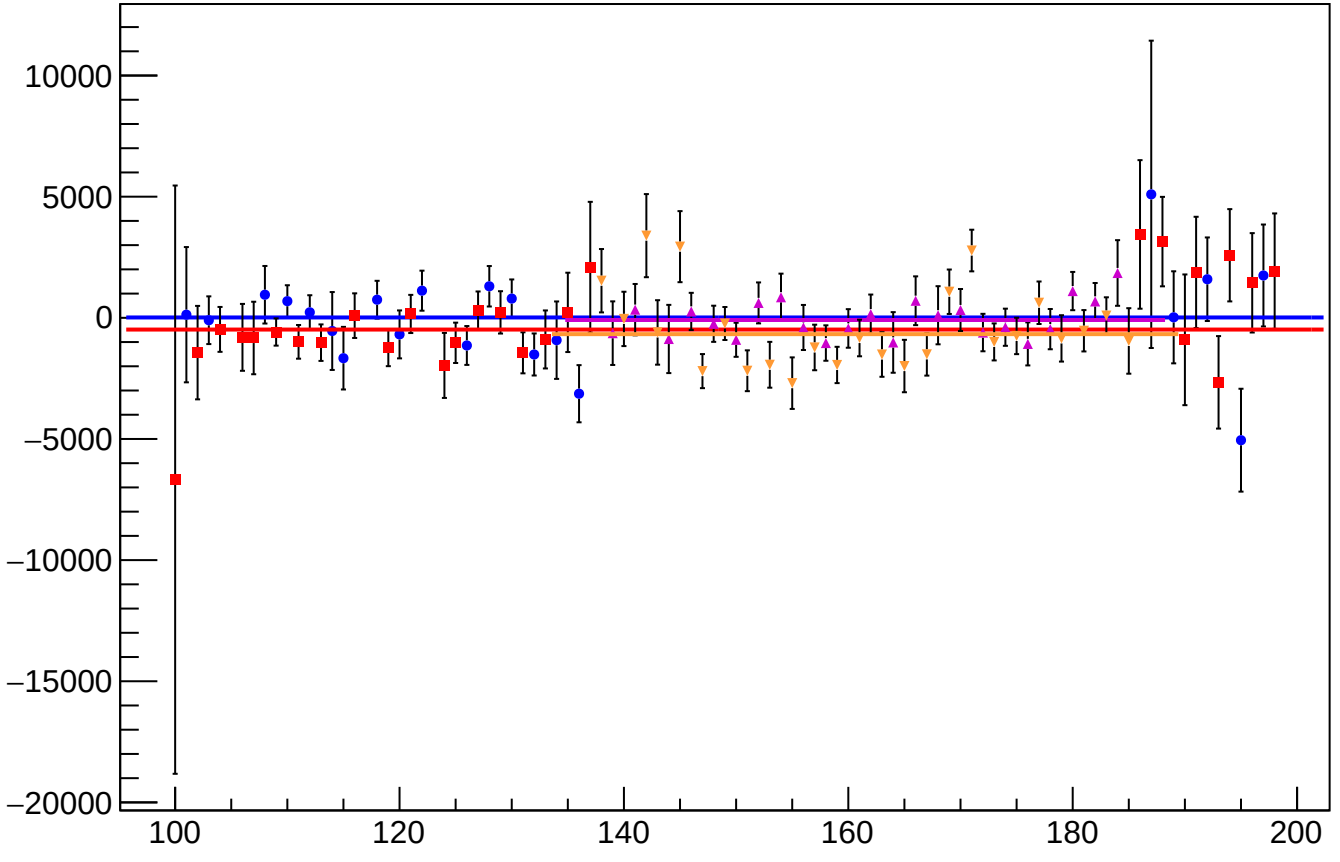
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.575+/-0.358 χ^2/NDF: 755193.6/45

All: 2760.279+/-0.251 χ^2/NDF: 1244154.6/95

- sign 2763.881+/-0.353 χ^2/NDF: 488749.6/49

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 14.905+/-226.853 χ^2/NDF: 30.6/20

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -484.255+/-207.865 χ^2/NDF: 21.9/26

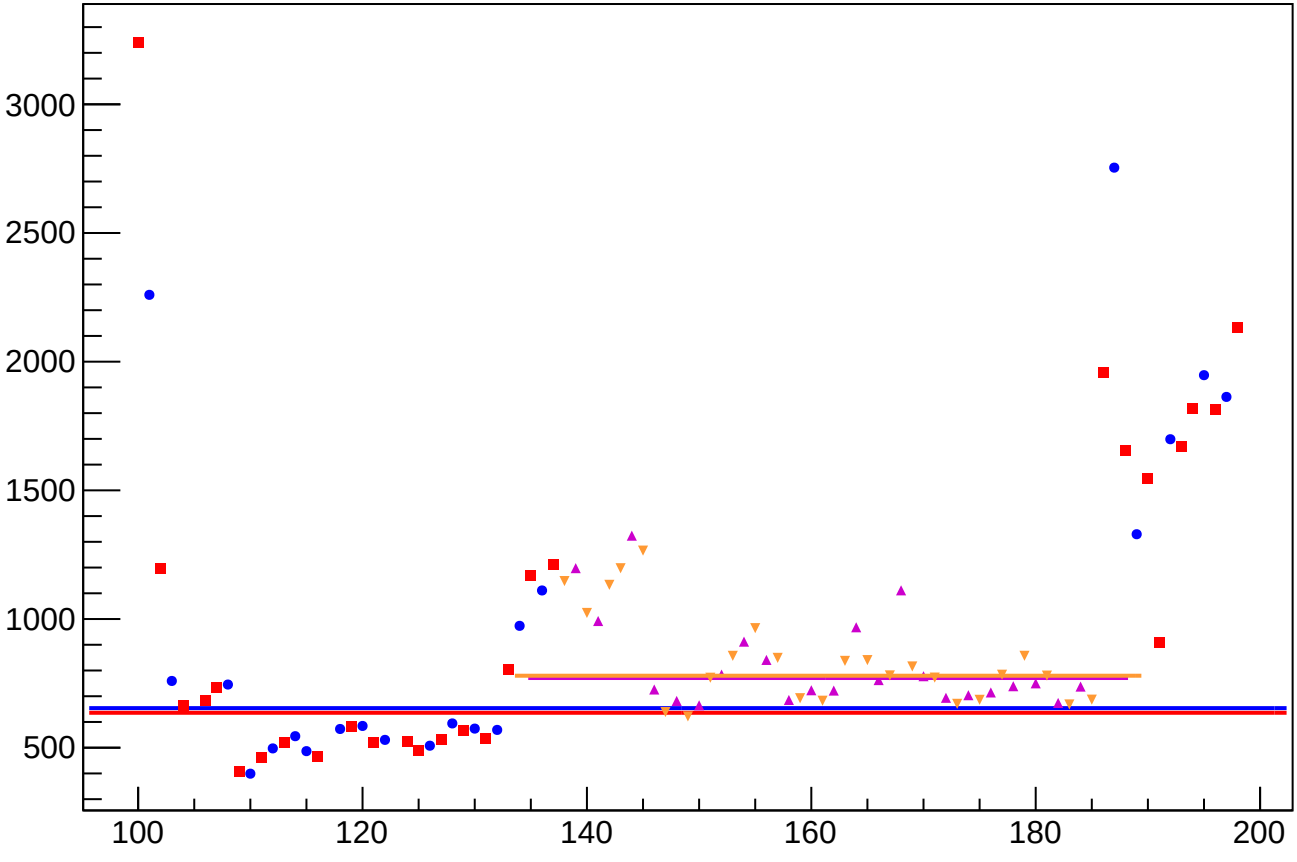
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -405.376+/-141.594 χ^2/NDF: 94.6/45

All: -331.859+/-98.666 χ^2/NDF: 133.8/95

- sign -262.469+/-137.562 χ^2/NDF: 38.7/49

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 653.785+/-0.160 χ^2/NDF: 4321364.5/20

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 635.733+/-0.147 χ^2/NDF: 5438405.1/26

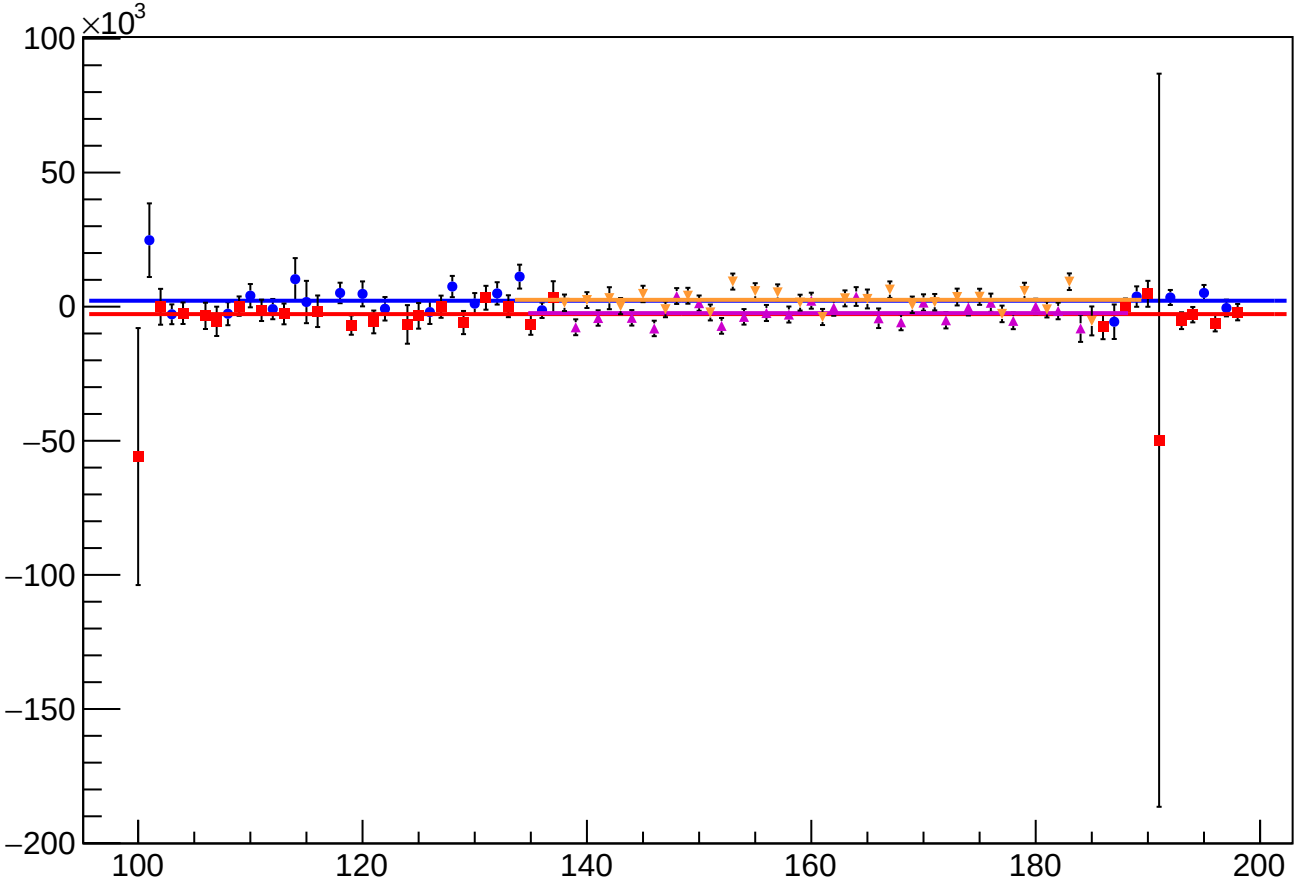
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 730.654+/-0.100 χ^2/NDF: 5941328.1/45

All: 720.875+/-0.070 χ^2/NDF: 12949162.3/95

- sign 711.645+/-0.097 χ^2/NDF: 6989291.1/49

dit_asym_atr1_mean vs Slug



Right In: 2211.971+/-877.860 χ^2/NDF: 21.4/20

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2772.755+/-805.111 χ^2/NDF: 16.2/26

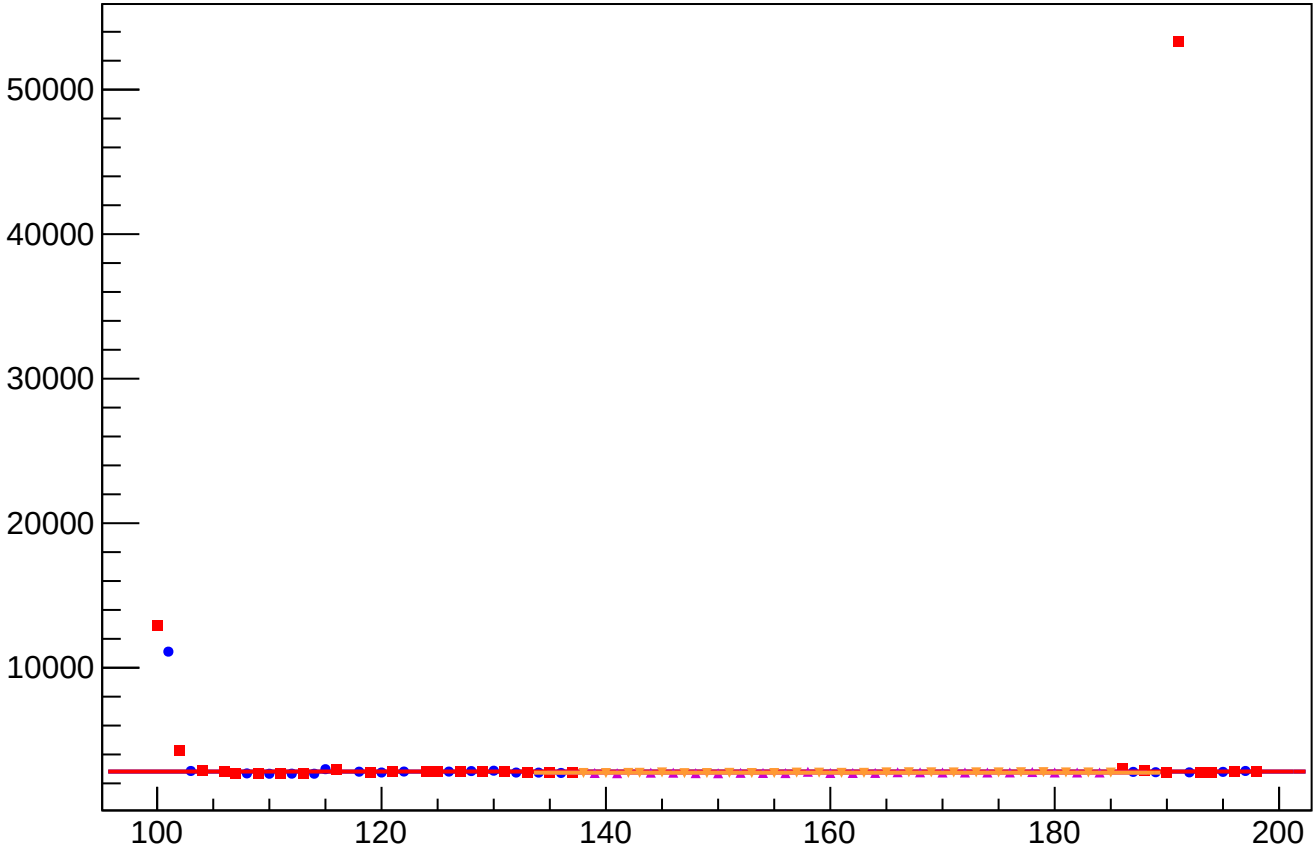
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2433.663+/-507.646 χ^2/NDF: 53.4/45

All: -90.099+/-356.600 χ^2/NDF: 150.4/95

- sign -2548.563+/-501.035 χ^2/NDF: 48.2/49

dit_asym_atr1_rms vs Slug



Right In: 2814.611+/-0.621 χ^2/NDF: 745514.9/20

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2819.885+/-0.569 χ^2/NDF: 531329.5/26

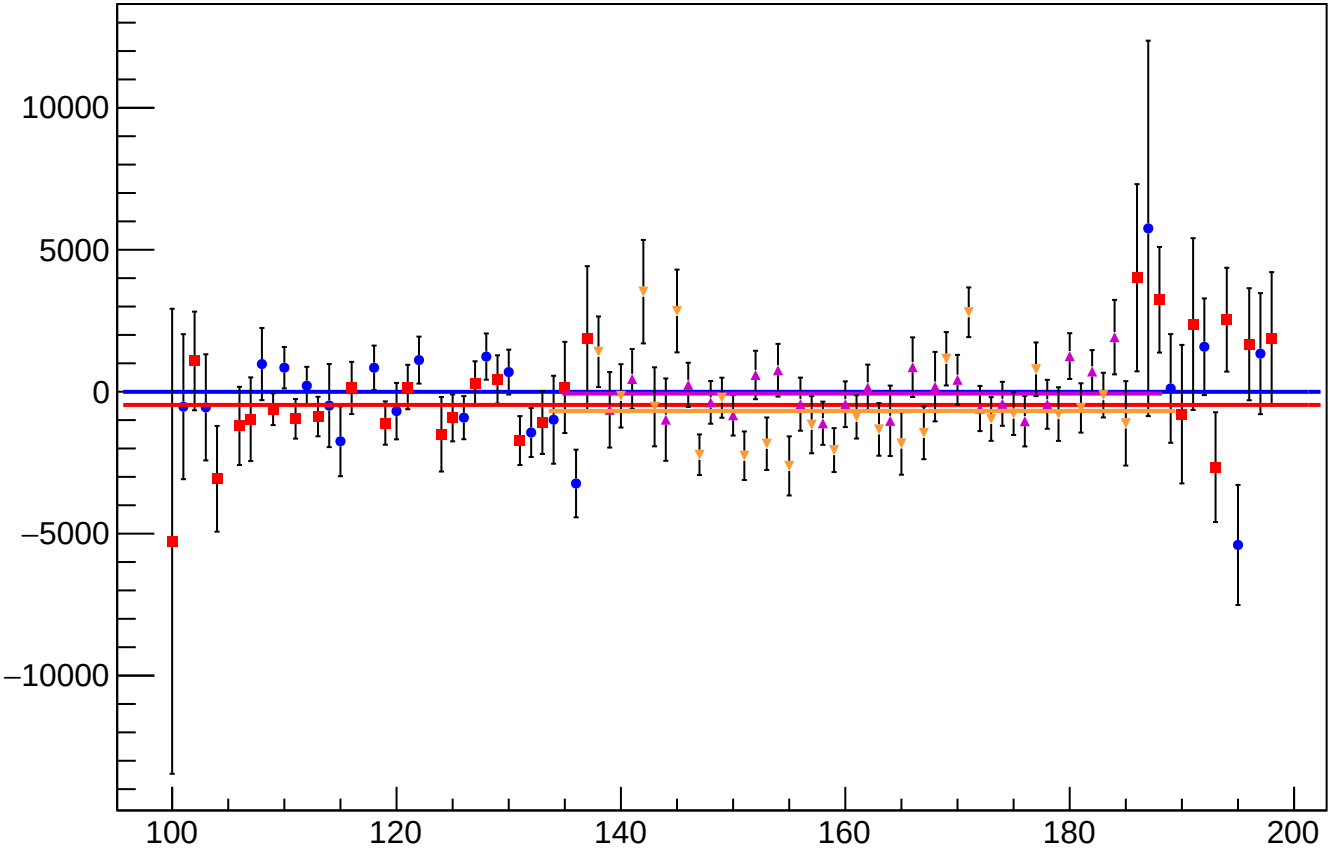
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.487+/-0.359 χ^2/NDF: 757633.5/45

All: 2768.186+/-0.252 χ^2/NDF: 1304190.7/95

- sign 2771.790+/-0.354 χ^2/NDF: 546347.4/49

asym_atr1_dit_correction_mean vs Slug



Right In: -4.095+/-230.516 χ^2/NDF: 31.3/20

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -465.280+/-209.059 χ^2/NDF: 25.4/26

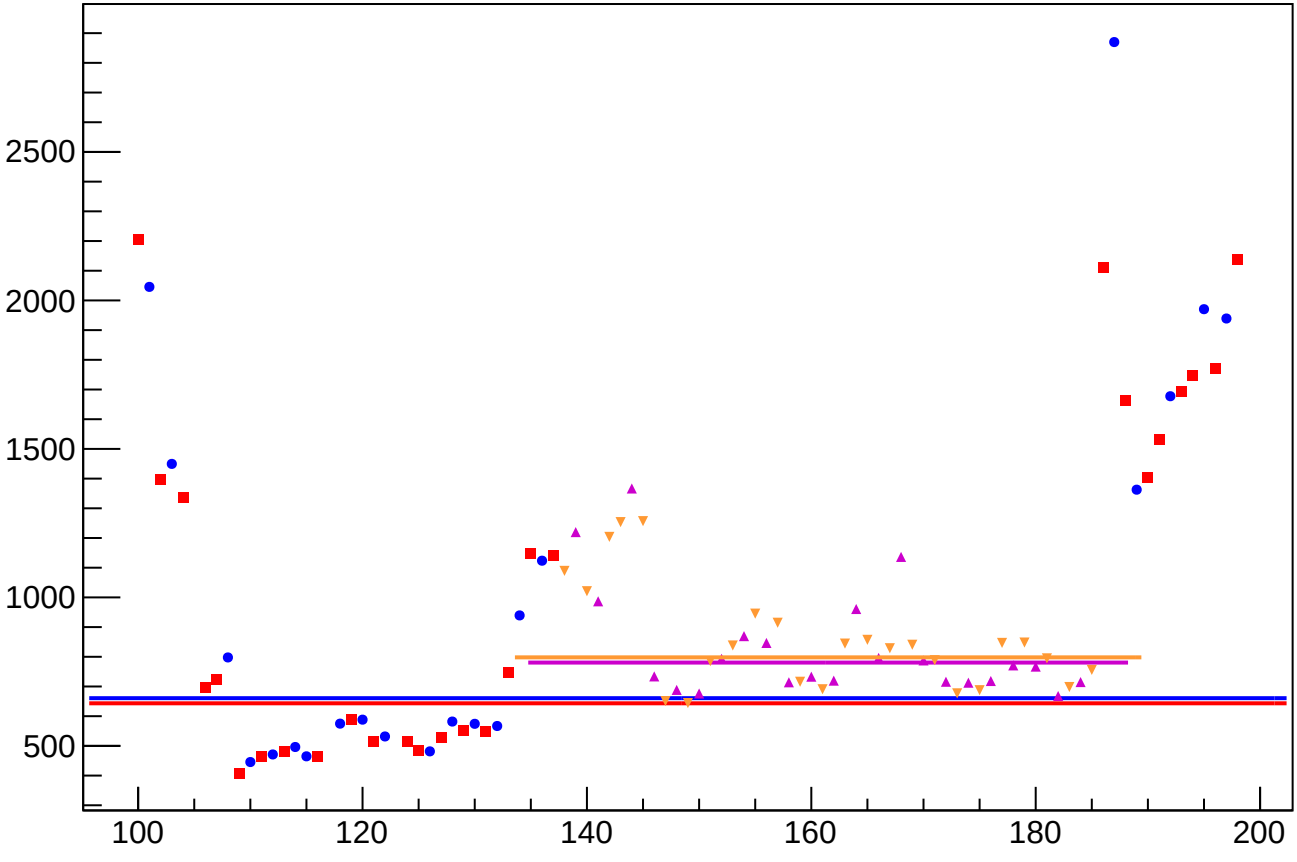
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -414.122+/-144.283 χ^2/NDF: 92.8/45

All: -324.923+/-100.001 χ^2/NDF: 136.8/95

- sign -242.463+/-138.726 χ^2/NDF: 43.3/49

asym_atr1_dit_correction_rms vs Slug



Right In: 660.634+/-0.163 χ^2/NDF: 4697083.0/20

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 643.385+/-0.148 χ^2/NDF: 6085377.3/26

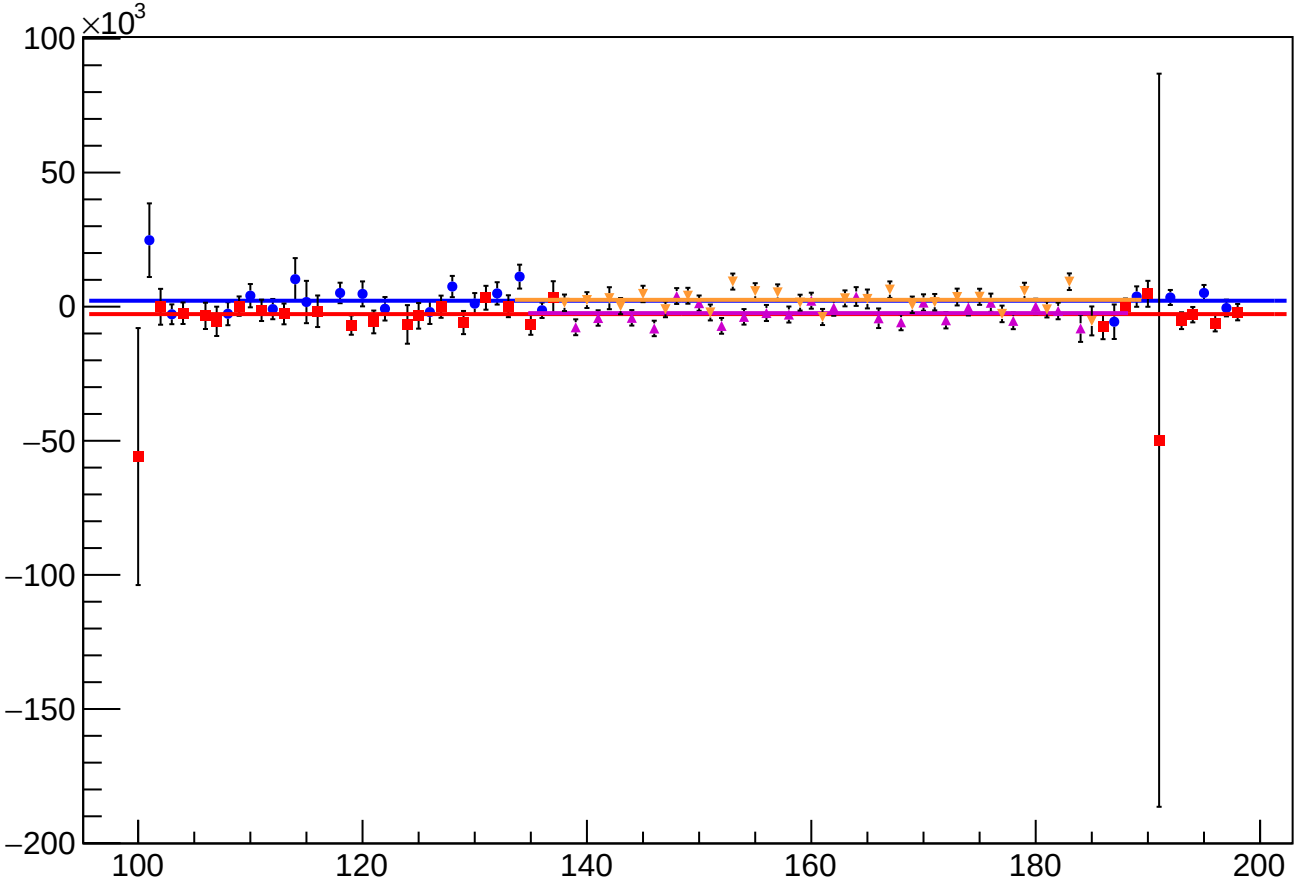
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

\+ sign 744.240+/-0.102 χ^2/NDF: 6297983.2/45

All: 731.716+/-0.071 χ^2/NDF: 13958863.8/95

\- sign 720.138+/-0.098 χ^2/NDF: 7631881.3/49

eigen_dit_asym_atr1_mean vs Slug



Right In: 2211.971+/-877.860 χ^2/NDF: 21.4/20

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2772.752+/-805.111 χ^2/NDF: 16.2/26

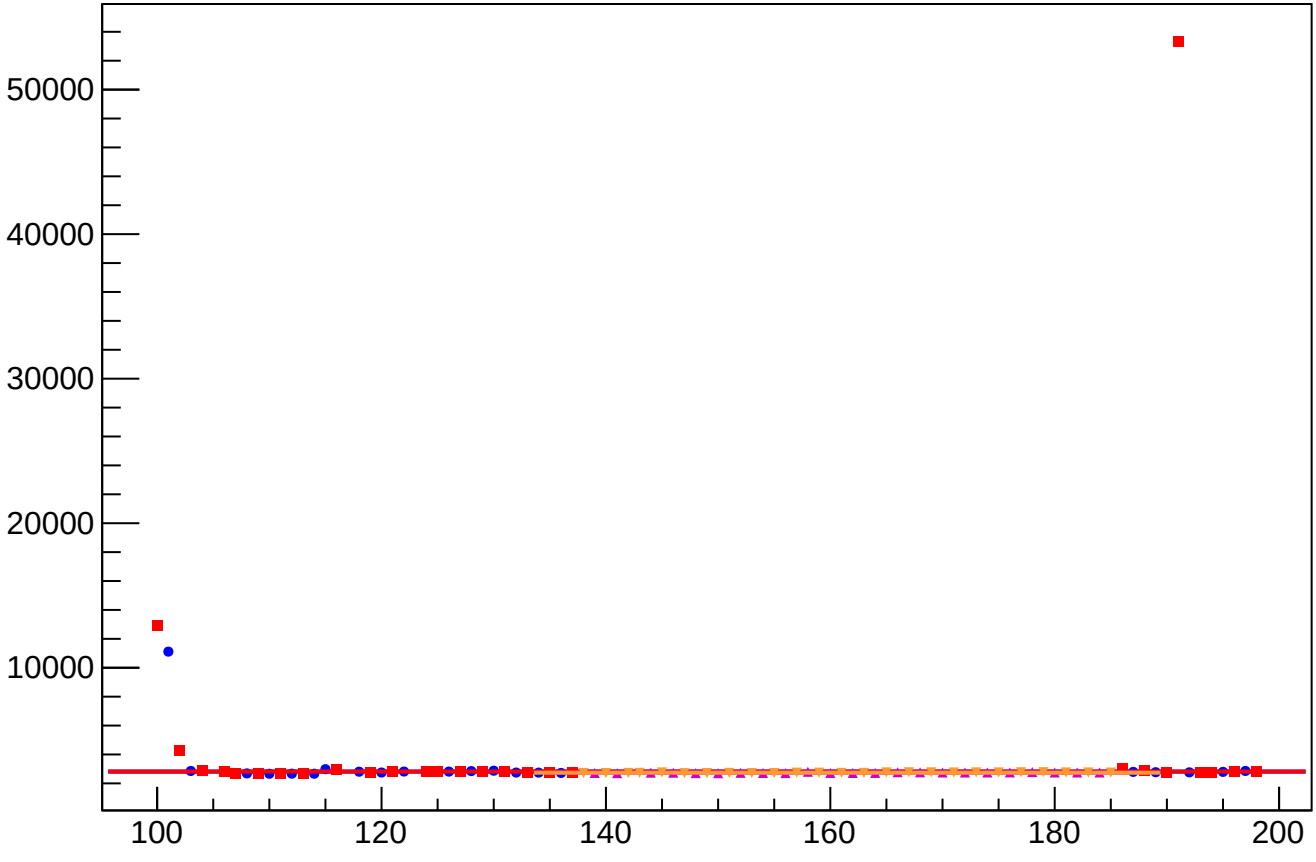
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2433.663+/-507.646 χ^2/NDF: 53.4/45

All: -90.098+/-356.600 χ^2/NDF: 150.4/95

- sign -2548.561+/-501.035 χ^2/NDF: 48.2/49

eigen_dit_asym_atr1_rms vs Slug



Right In: 2814.611+/-0.621 χ^2/NDF: 745514.9/20

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2819.885+/-0.569 χ^2/NDF: 531329.3/26

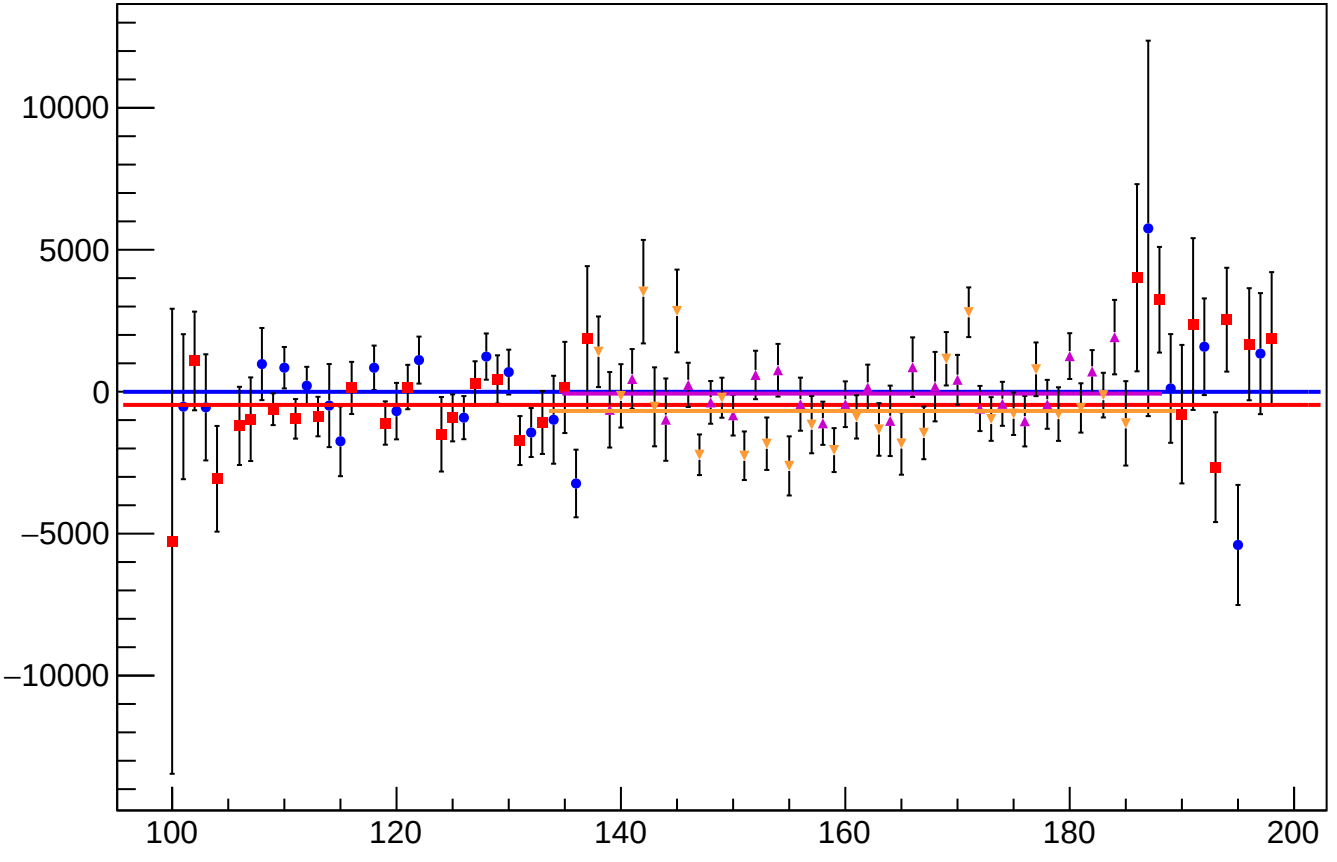
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.487+/-0.359 χ^2/NDF: 757633.5/45

All: 2768.186+/-0.252 χ^2/NDF: 1304190.4/95

- sign 2771.790+/-0.354 χ^2/NDF: 546347.2/49

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -4.094+/-230.516 χ^2/NDF: 31.3/20

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -465.280+/-209.059 χ^2/NDF: 25.4/26

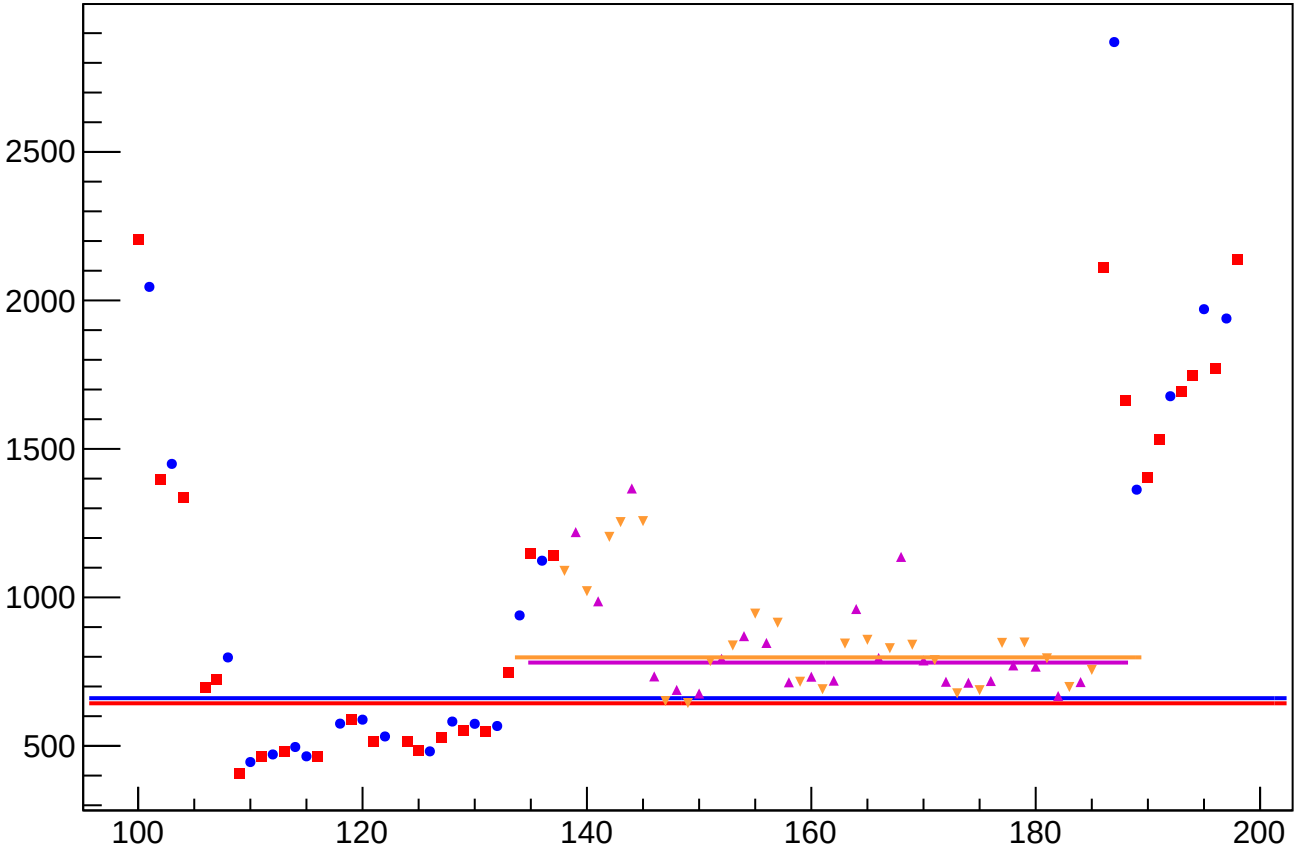
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -414.122+/-144.283 χ^2/NDF: 92.8/45

All: -324.923+/-100.001 χ^2/NDF: 136.8/95

- sign -242.463+/-138.726 χ^2/NDF: 43.3/49

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 660.634+/-0.163 χ^2/NDF: 4697078.5/20

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

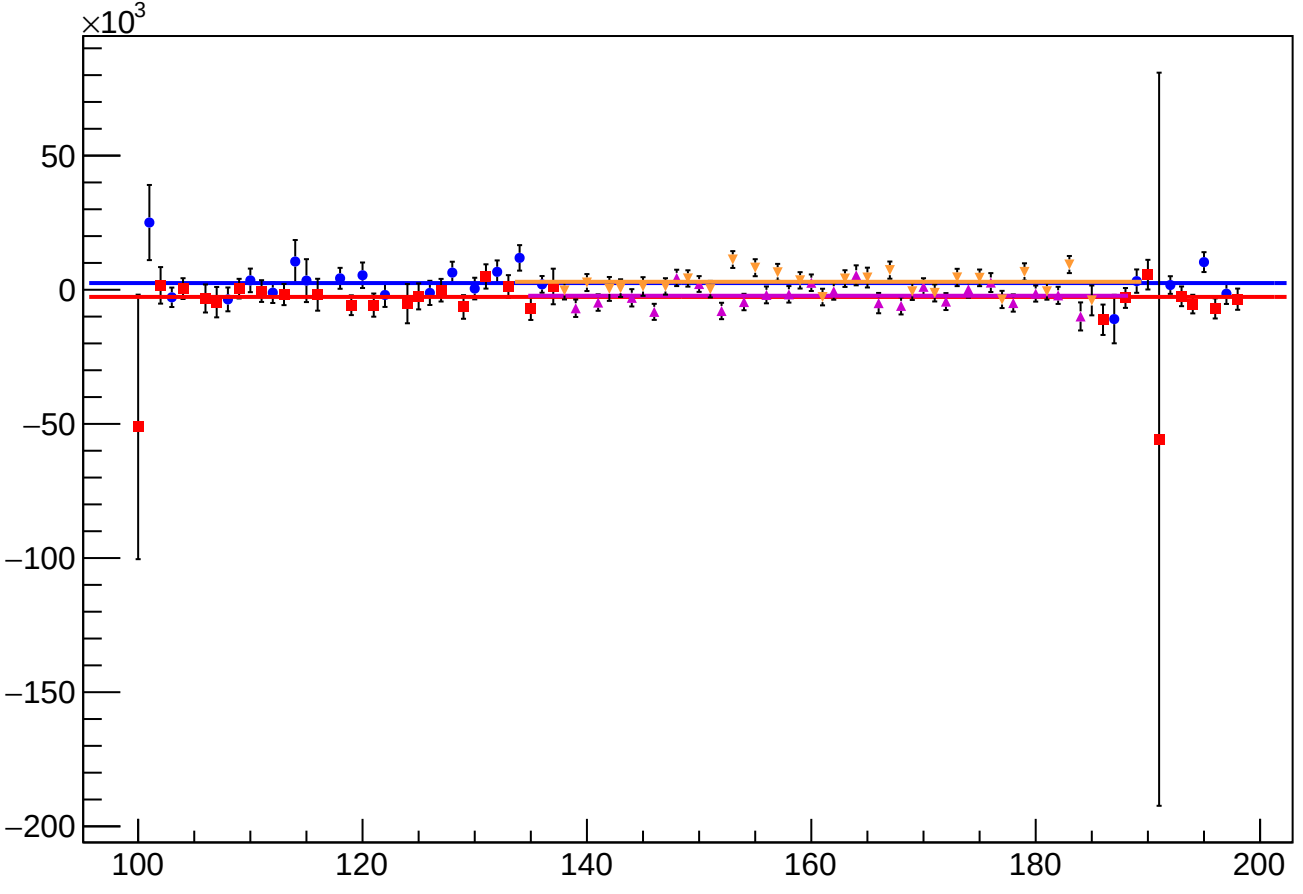
Right Out: 643.385+/-0.148 χ^2/NDF: 6085378.2/26

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 744.240+/-0.102 χ^2/NDF: 6297978.0/45

All: 731.716+/-0.071 χ^2/NDF: 13958861.2/95

- sign 720.138+/-0.098 χ^2/NDF: 7631883.3/49



Right In: 2493.437+/-946.593 χ^2/NDF: 24.7/20

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2670.407+/-878.884 χ^2/NDF: 17.3/26

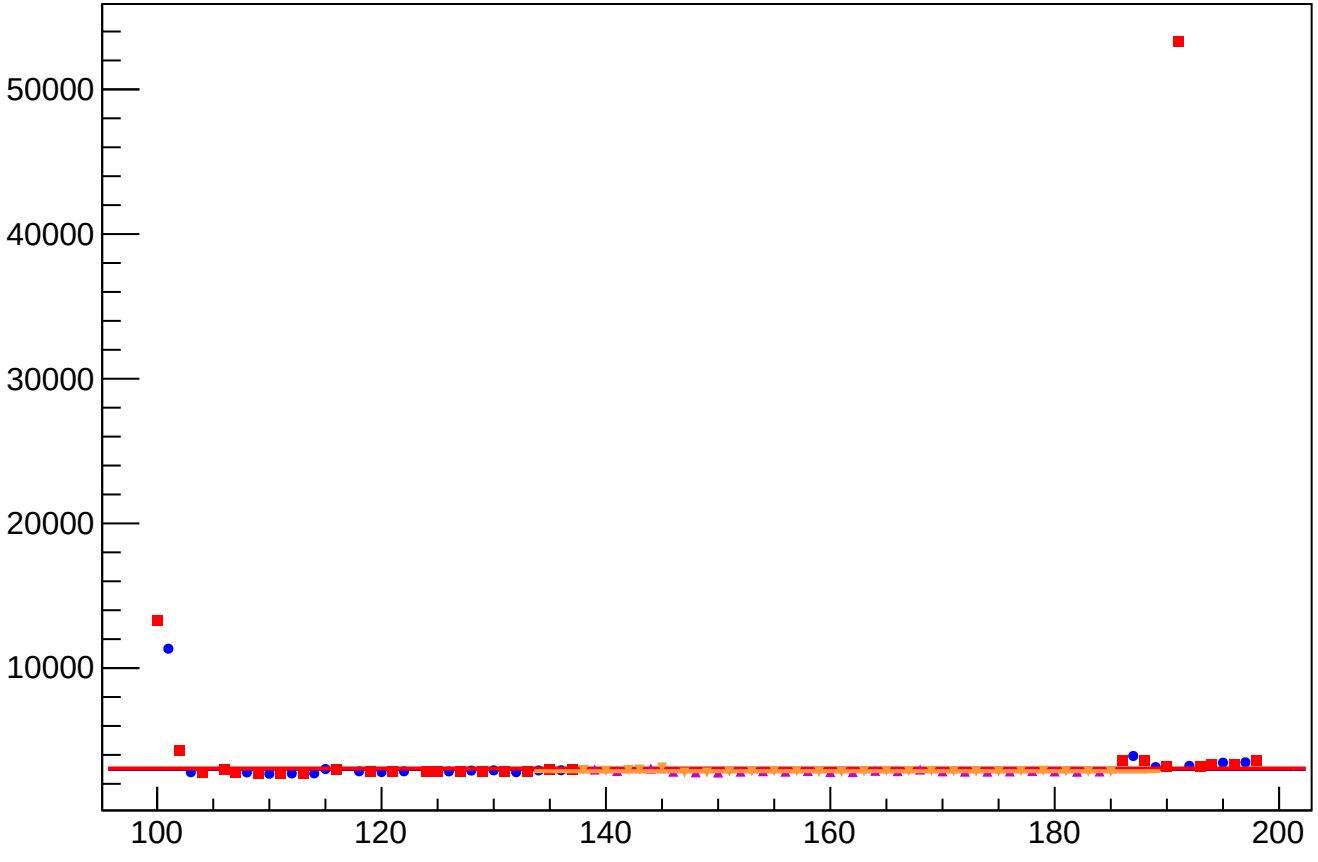
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2815.797+/-537.670 χ^2/NDF: 60.6/45

All: 186.779+/-378.526 χ^2/NDF: 159.2/95

- sign -2396.709+/-532.994 χ^2/NDF: 51.3/49

asym_atr1_rms vs Slug



Right In: 3024.214+/-0.669 χ^2/NDF: 854743.3/20

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

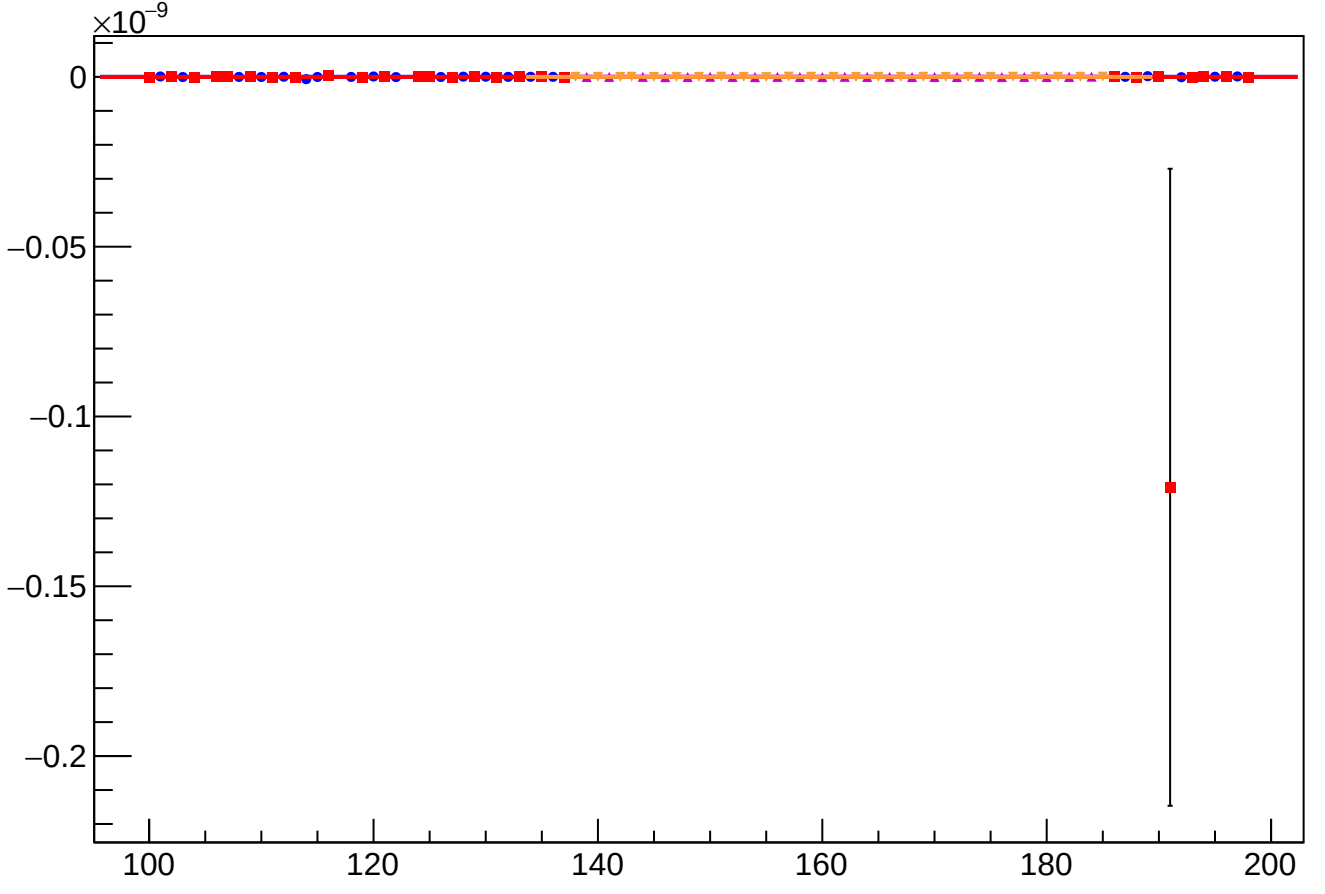
Right Out: 3060.366+/-0.621 χ^2/NDF: 705015.5/26

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2923.096+/-0.380 χ^2/NDF: 910224.9/45

All: 2931.677+/-0.268 χ^2/NDF: 1693165.2/95

- sign 2940.109+/-0.377 χ^2/NDF: 781930.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.0/26

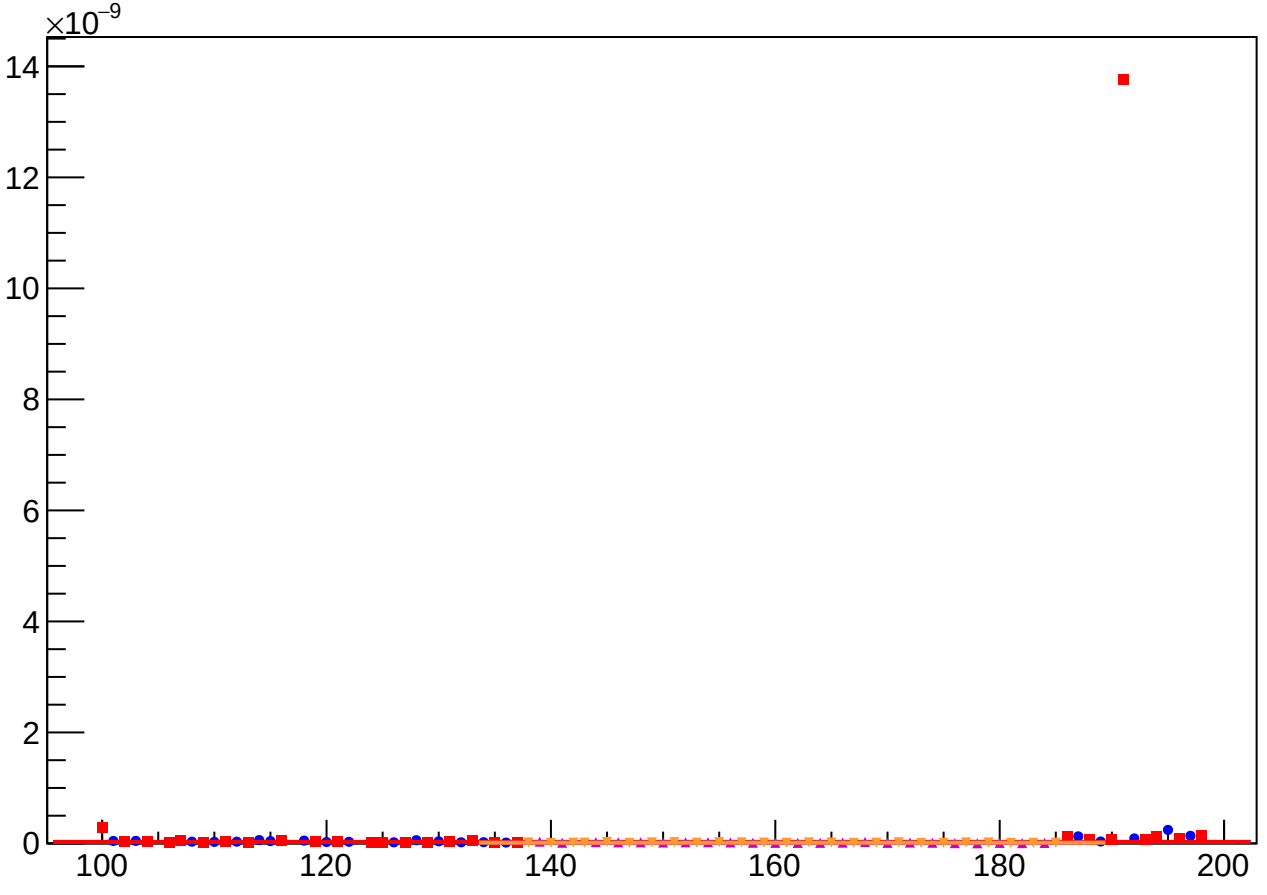
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/45

All: 0.000+/-0.000 χ^2/NDF: 90.3/95

- sign 0.000+/-0.000 χ^2/NDF: 59.7/49

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2354291.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2513740.6/26

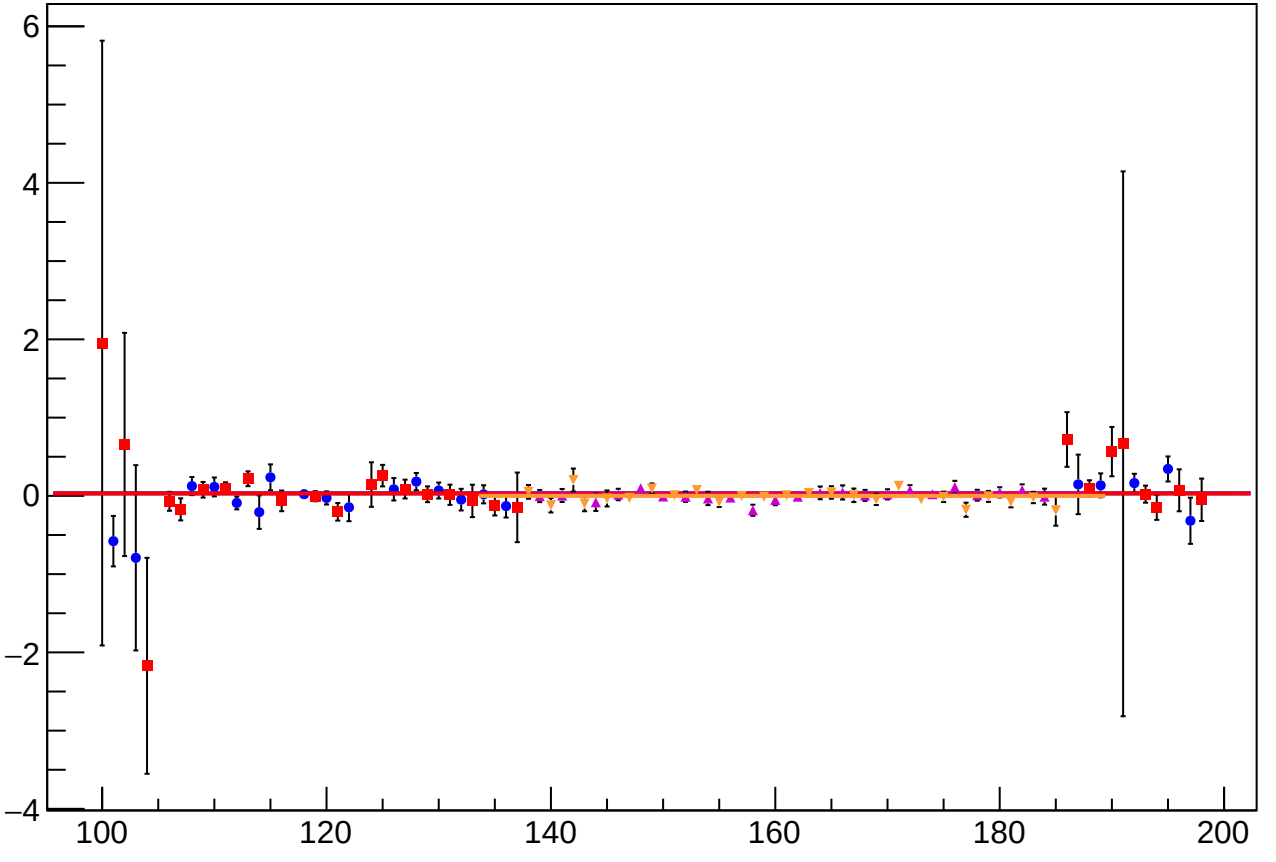
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4937621.3/45

All: 0.000+/-0.000 χ^2/NDF: 12665197.9/95

- sign 0.000+/-0.000 χ^2/NDF: 7467362.8/49

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.4/26

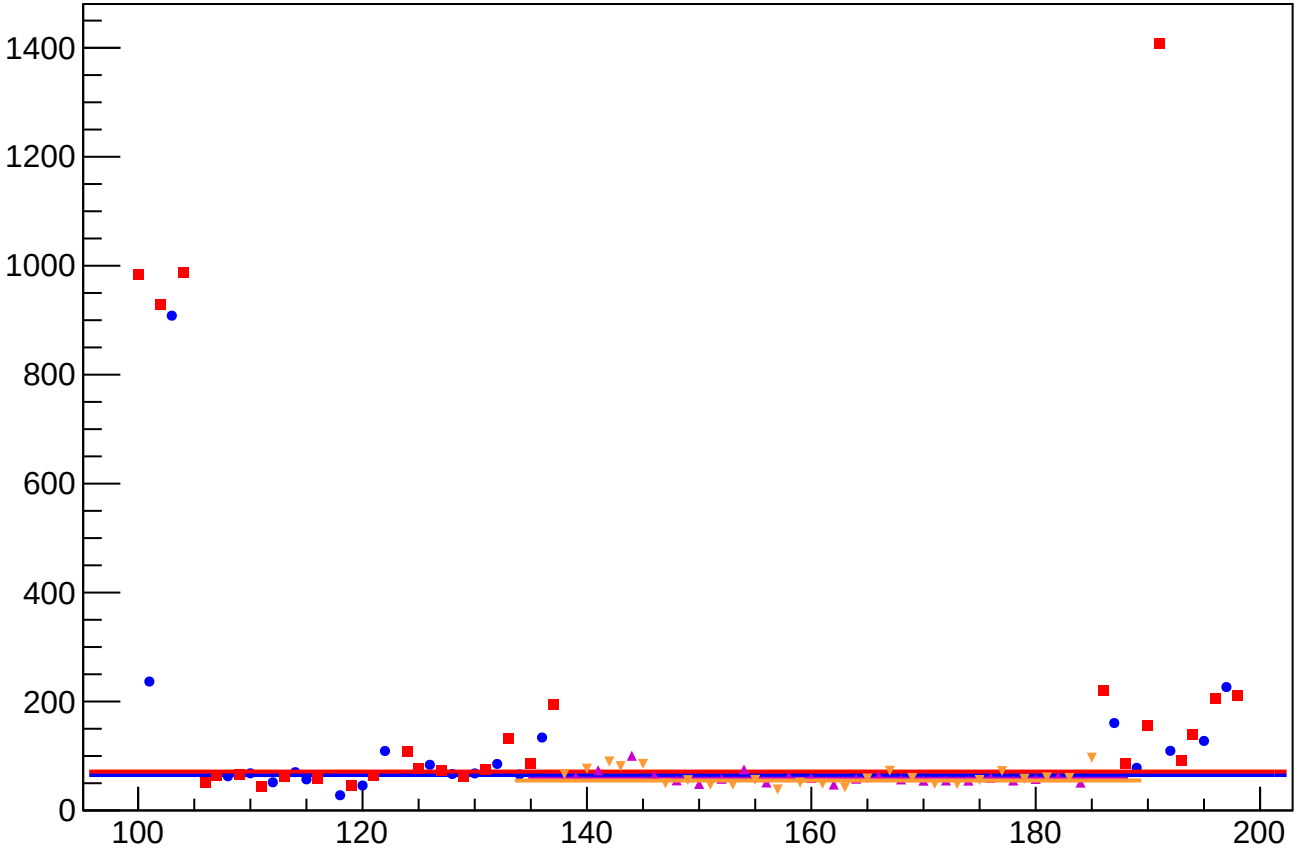
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.007+/-0.012 χ^2/NDF: 46.2/45

All: 0.010+/-0.009 χ^2/NDF: 91.8/95

- sign 0.014+/-0.013 χ^2/NDF: 45.5/49

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 65.020+/-0.018 χ^2/NDF: 4700884.7/20

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

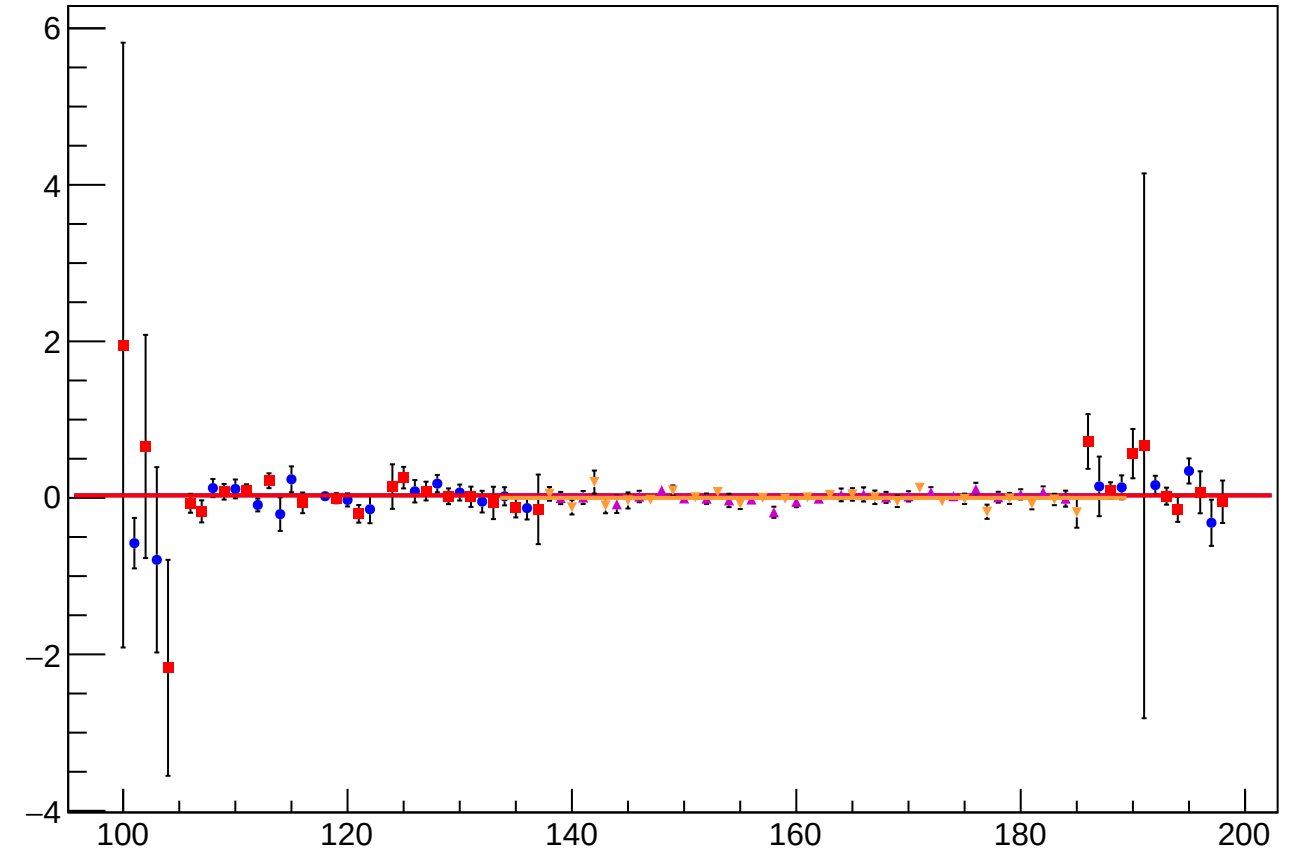
Right Out: 71.361+/-0.018 χ^2/NDF: 5144680.9/26

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 57.201+/-0.009 χ^2/NDF: 6229145.0/45

All: 59.264+/-0.006 χ^2/NDF: 12545993.6/95

- sign 61.470+/-0.009 χ^2/NDF: 6202462.8/49



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.4/26

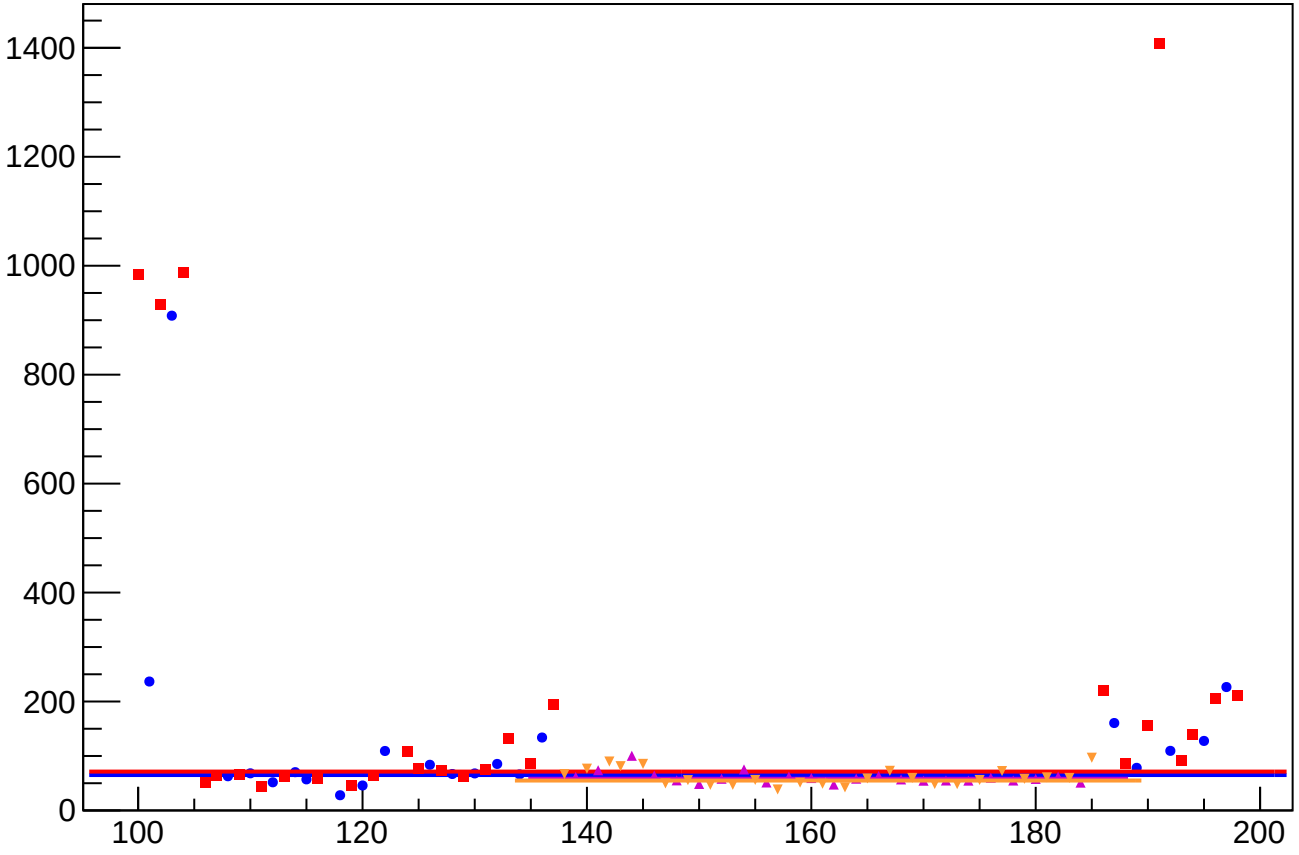
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.007+/-0.012 χ^2/NDF: 46.2/45

All: 0.010+/-0.009 χ^2/NDF: 91.8/95

- sign 0.014+/-0.013 χ^2/NDF: 45.5/49

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.020+/-0.018 χ^2/NDF: 4700884.7/20

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144680.9/26

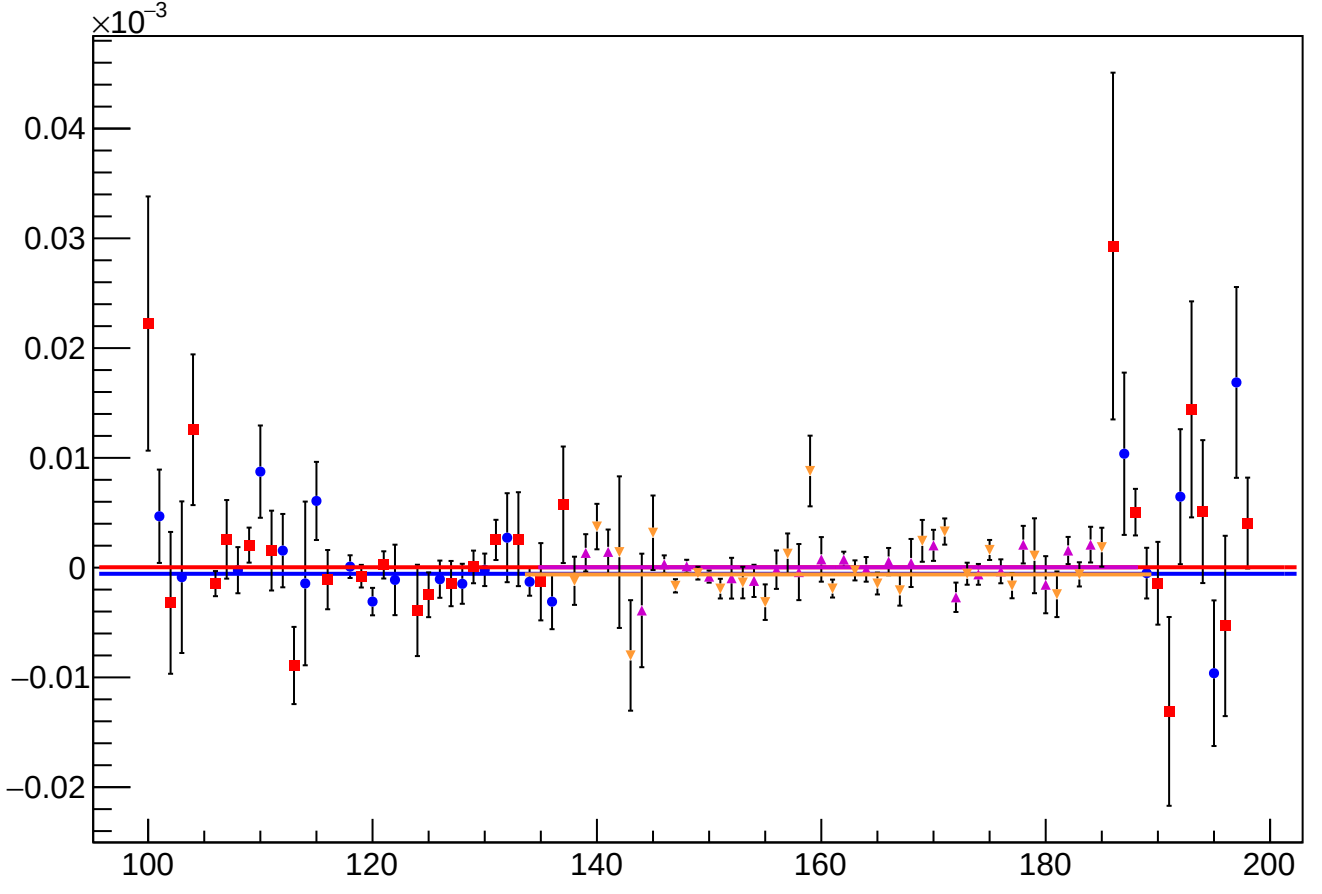
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 57.201+/-0.009 χ^2/NDF: 6229145.0/45

All: 59.264+/-0.006 χ^2/NDF: 12545993.6/95

- sign 61.470+/-0.009 χ^2/NDF: 6202462.8/49

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/26

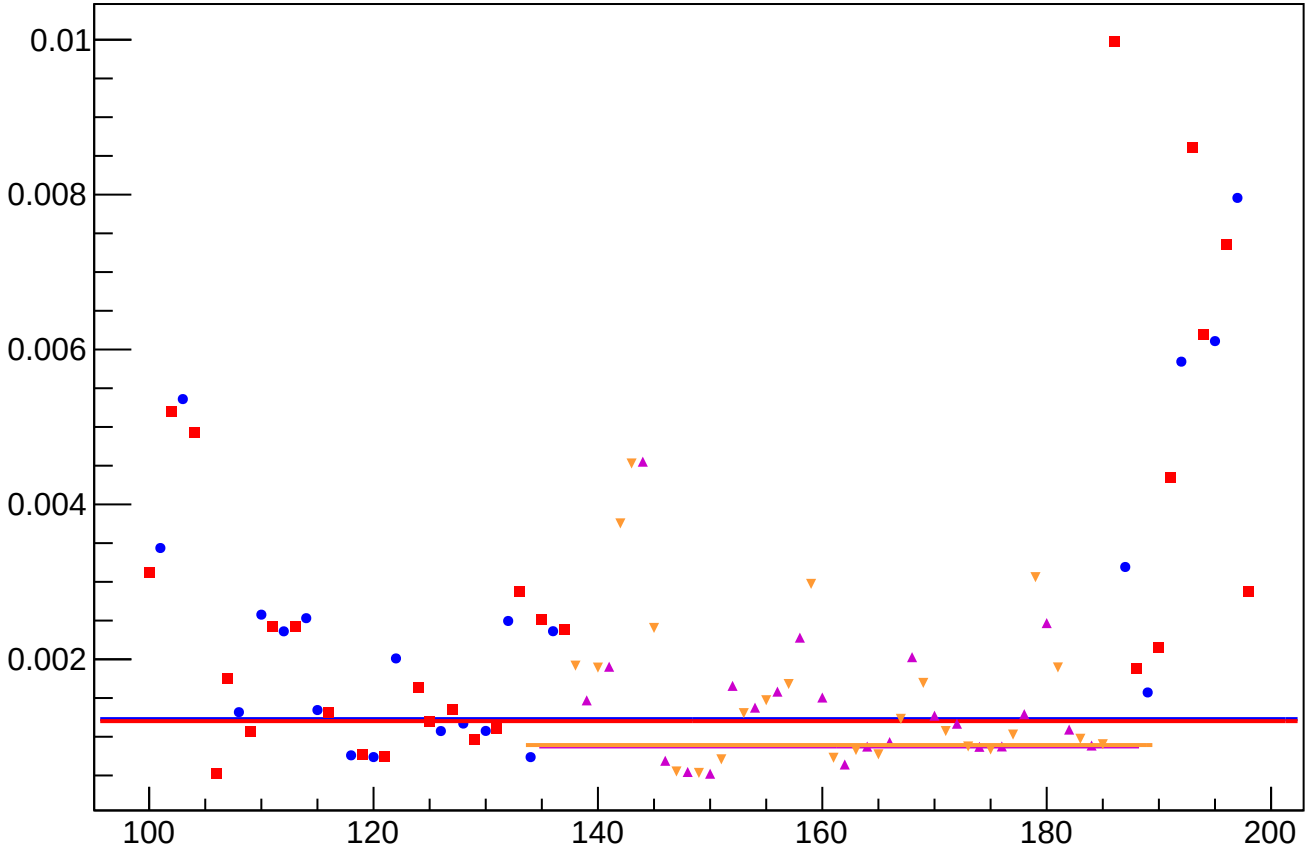
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.4/45

All: -0.000+/-0.000 χ^2/NDF: 142.9/95

- sign 0.000+/-0.000 χ^2/NDF: 58.8/49

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7133016.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9027333.0/26

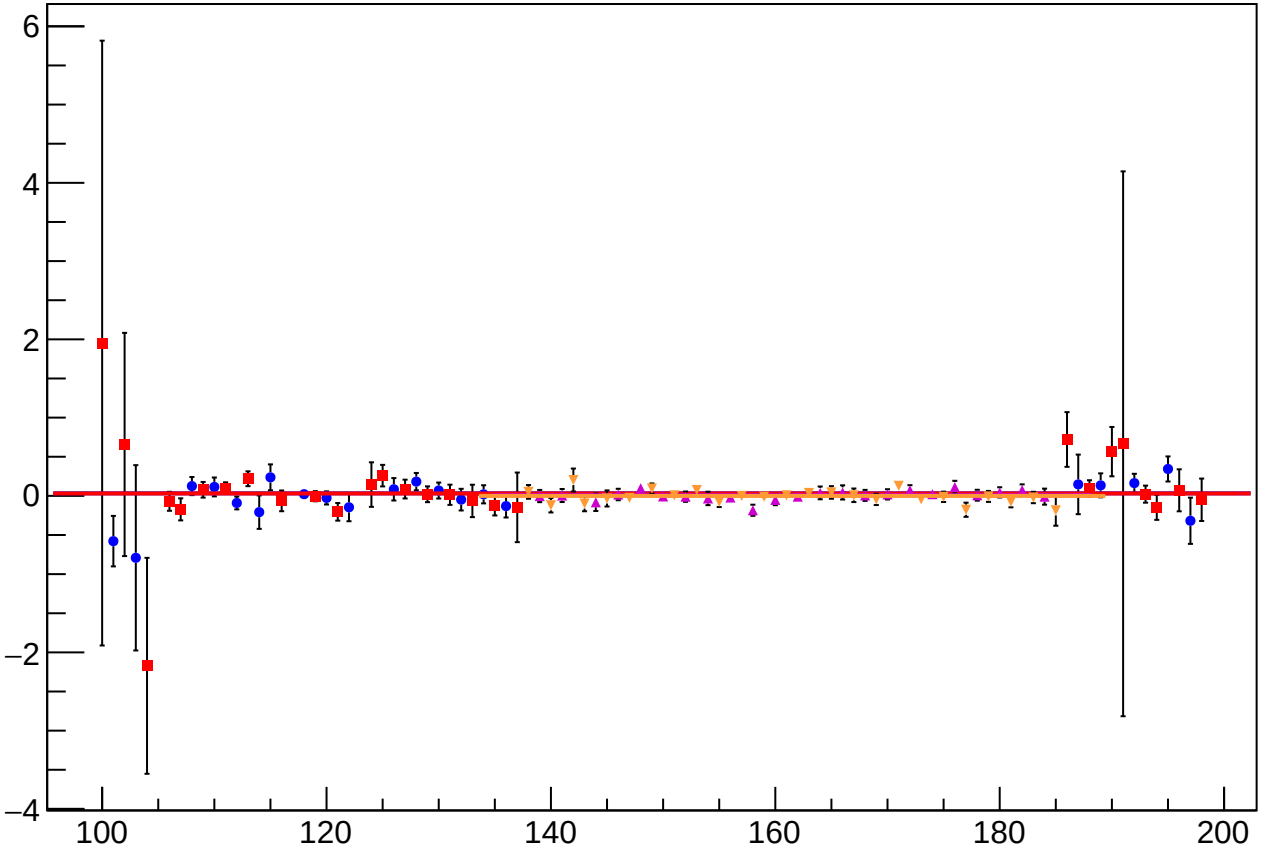
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 15673416.4/45

All: 0.001+/-0.000 χ^2/NDF: 32509972.8/95

- sign 0.001+/-0.000 χ^2/NDF: 16833650.0/49

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.4/26

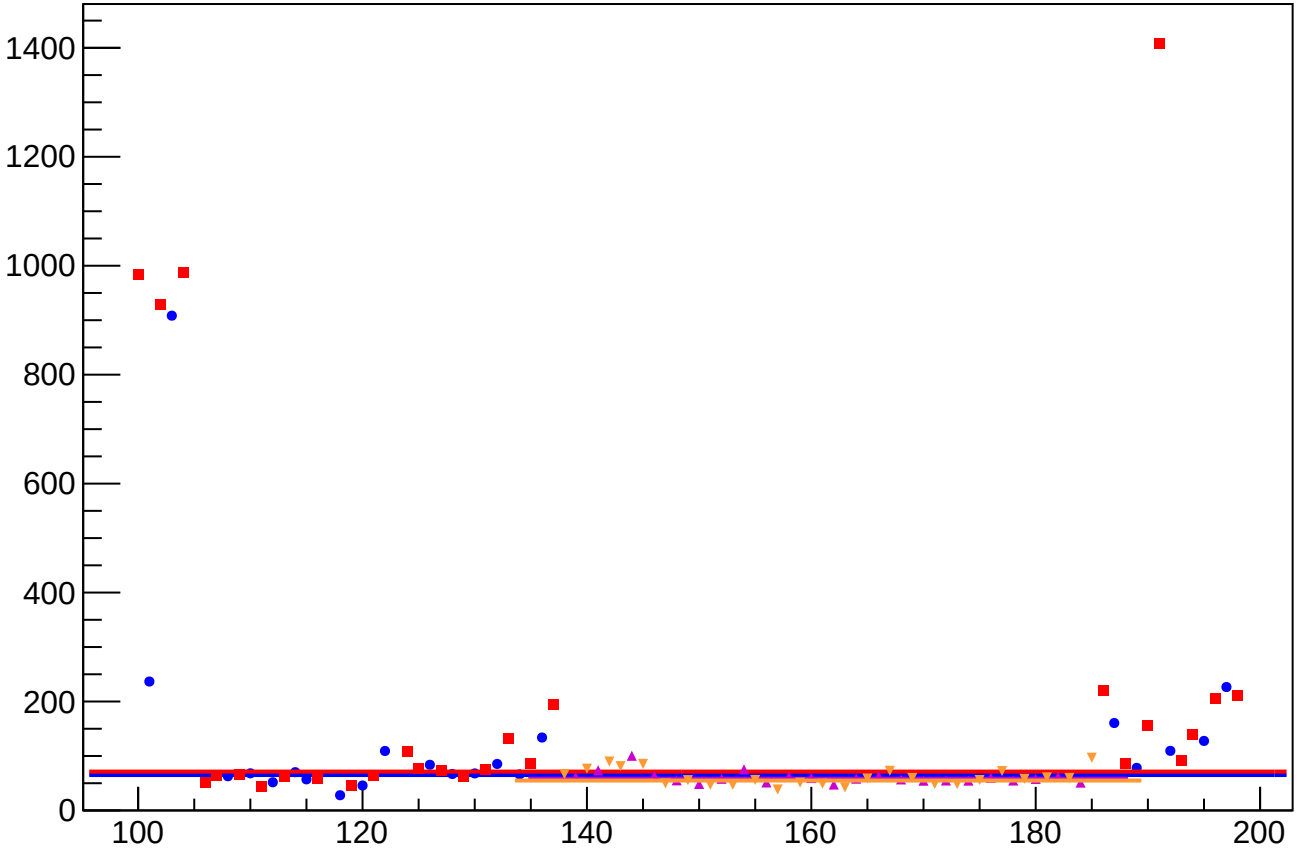
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.007+/-0.012 χ^2/NDF: 46.1/45

All: 0.010+/-0.009 χ^2/NDF: 91.8/95

- sign 0.014+/-0.013 χ^2/NDF: 45.5/49

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 65.019+/-0.018 χ^2/NDF: 4700986.6/20

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144697.9/26

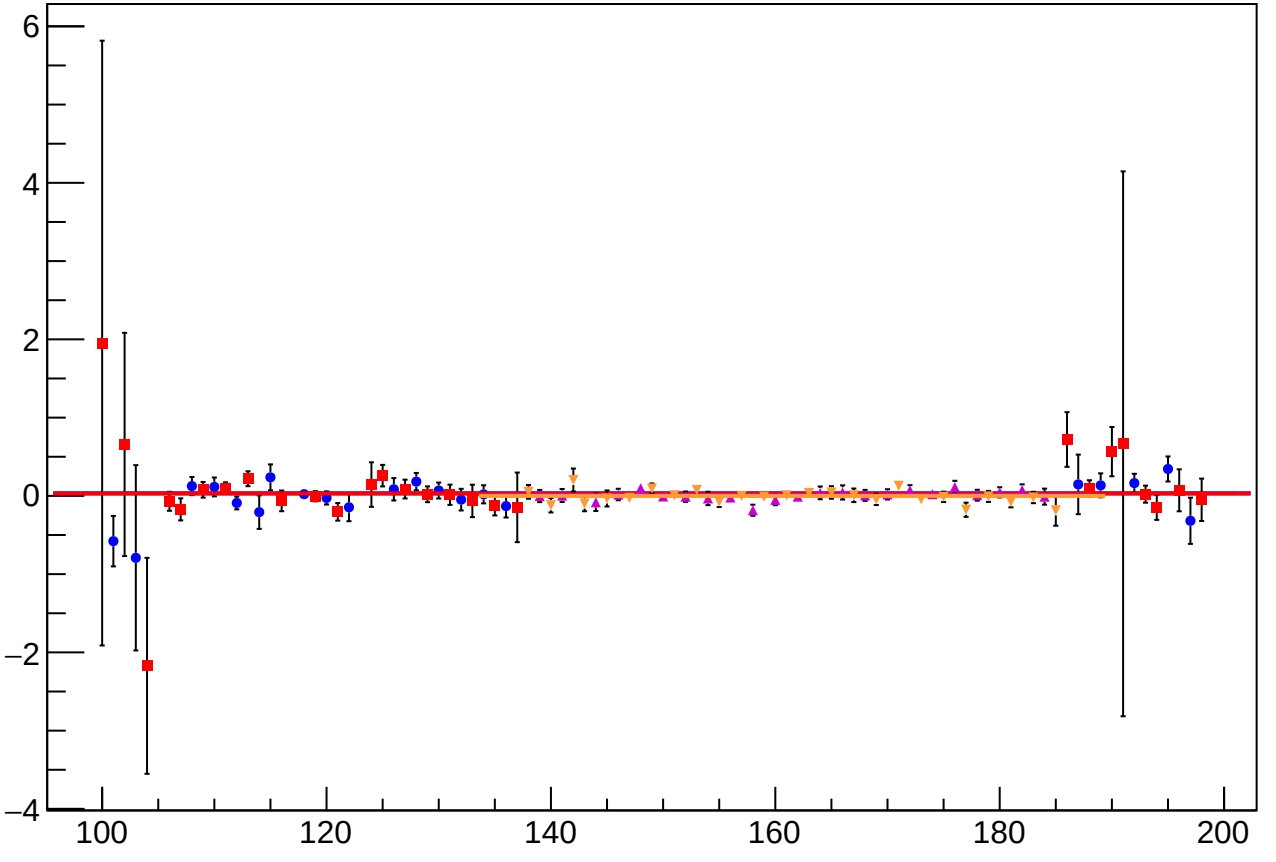
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 57.201+/-0.009 χ^2/NDF: 6229304.9/45

All: 59.264+/-0.006 χ^2/NDF: 12546202.2/95

- sign 61.470+/-0.009 χ^2/NDF: 6202484.7/49

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.4/26

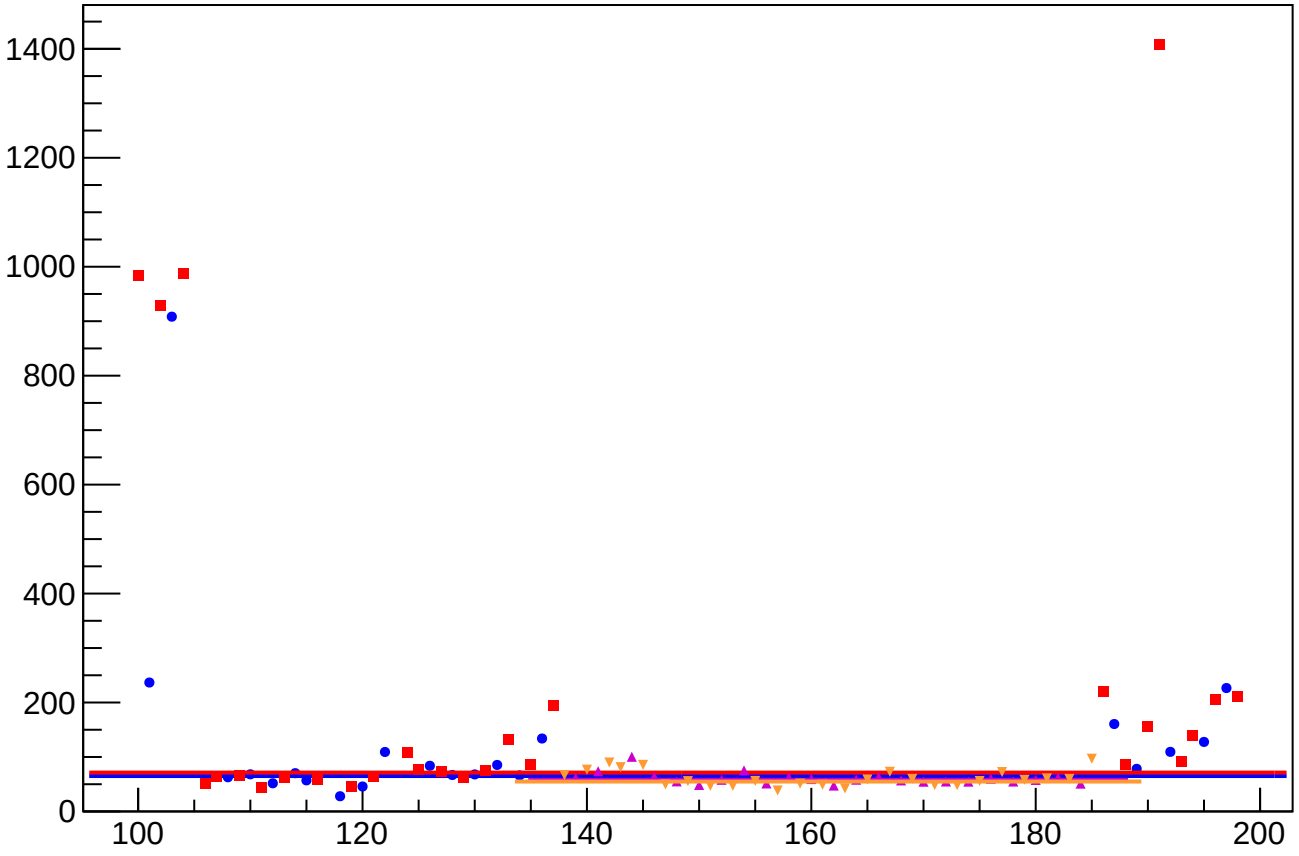
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.007+/-0.012 χ^2/NDF: 46.1/45

All: 0.010+/-0.009 χ^2/NDF: 91.8/95

- sign 0.014+/-0.013 χ^2/NDF: 45.5/49

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.019+/-0.018 χ^2/NDF: 4700986.6/20

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

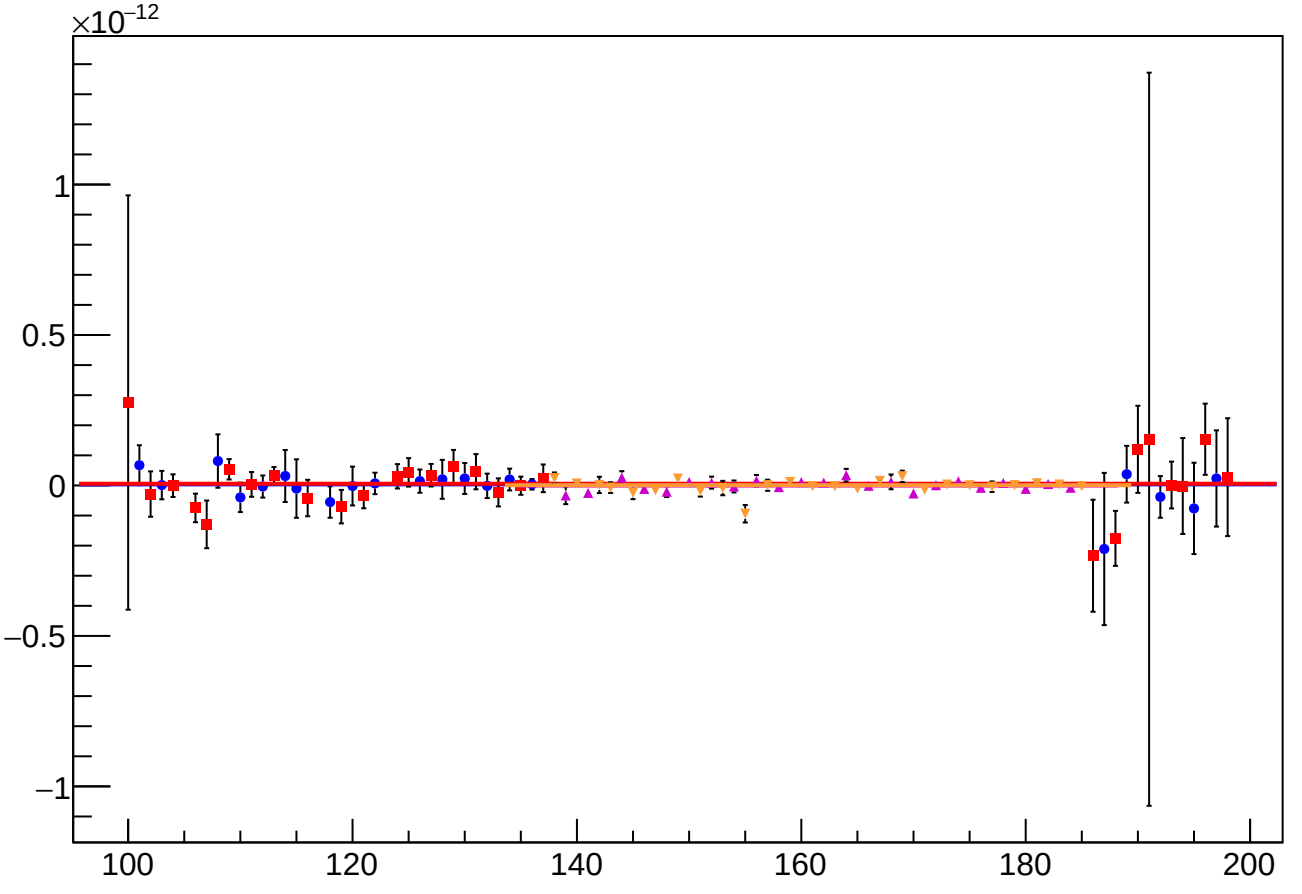
Right Out: 71.361+/-0.018 χ^2/NDF: 5144697.9/26

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 57.201+/-0.009 χ^2/NDF: 6229304.9/45

All: 59.264+/-0.006 χ^2/NDF: 12546202.2/95

- sign 61.470+/-0.009 χ^2/NDF: 6202484.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 5.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/26

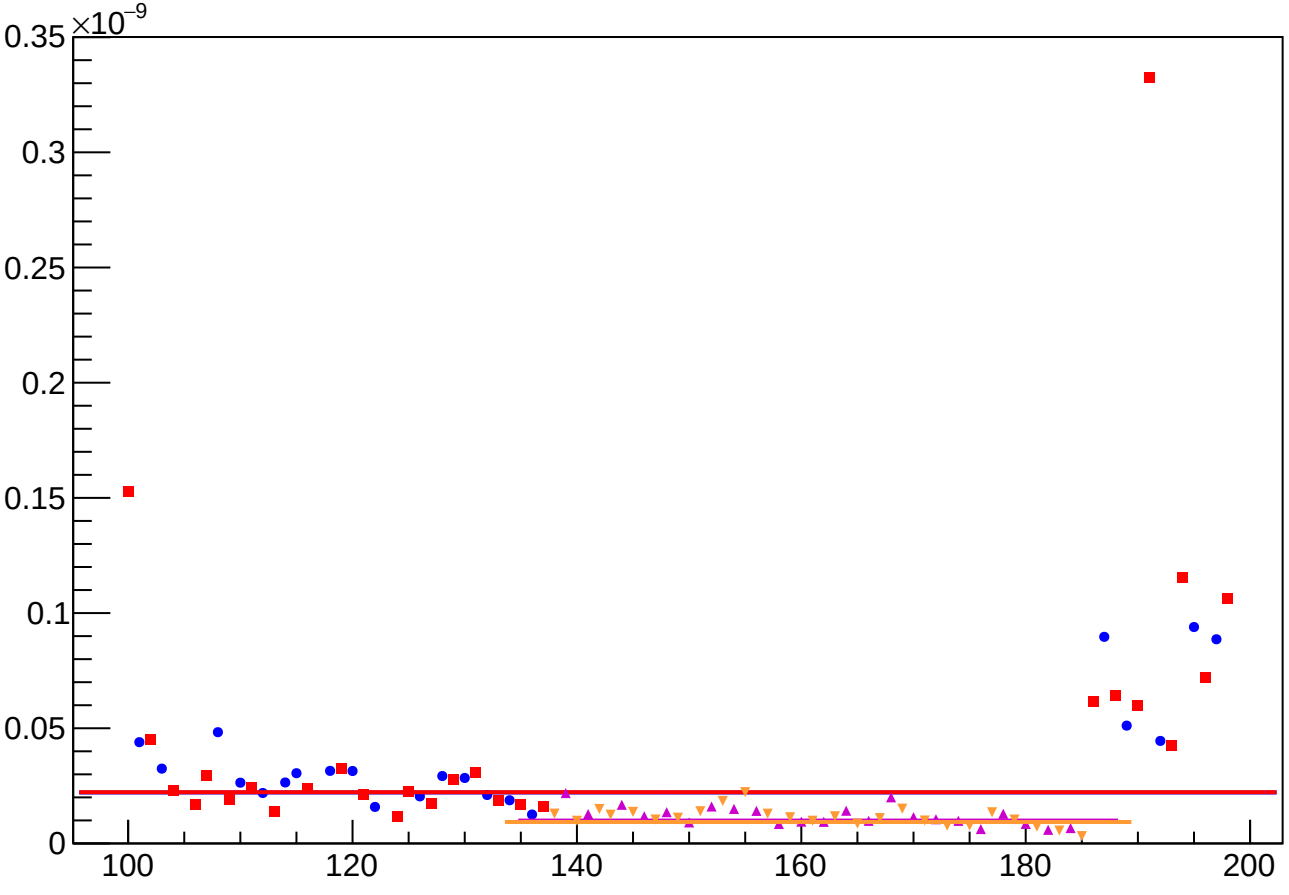
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.3/45

All: 0.000+/-0.000 χ^2/NDF: 75.9/95

- sign 0.000+/-0.000 χ^2/NDF: 44.5/49

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2699779.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3226088.6/26

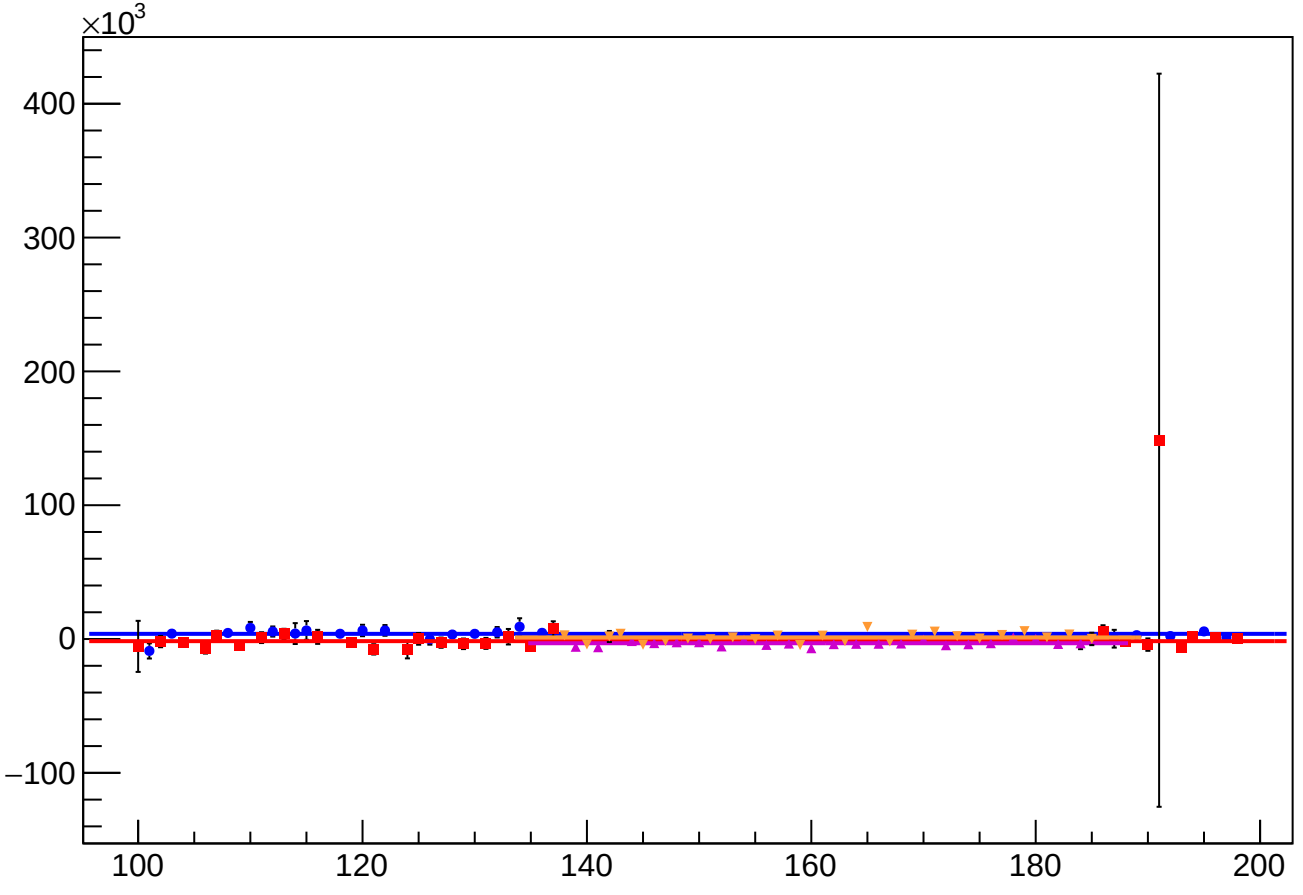
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8796817.1/45

All: 0.000+/-0.000 χ^2/NDF: 17521580.9/95

- sign 0.000+/-0.000 χ^2/NDF: 8655101.7/49

reg_asym_atr2_mean vs Slug



Right In: 3871.428+/-808.107 χ^2/NDF: 10.9/20

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1587.239+/-744.413 χ^2/NDF: 23.1/26

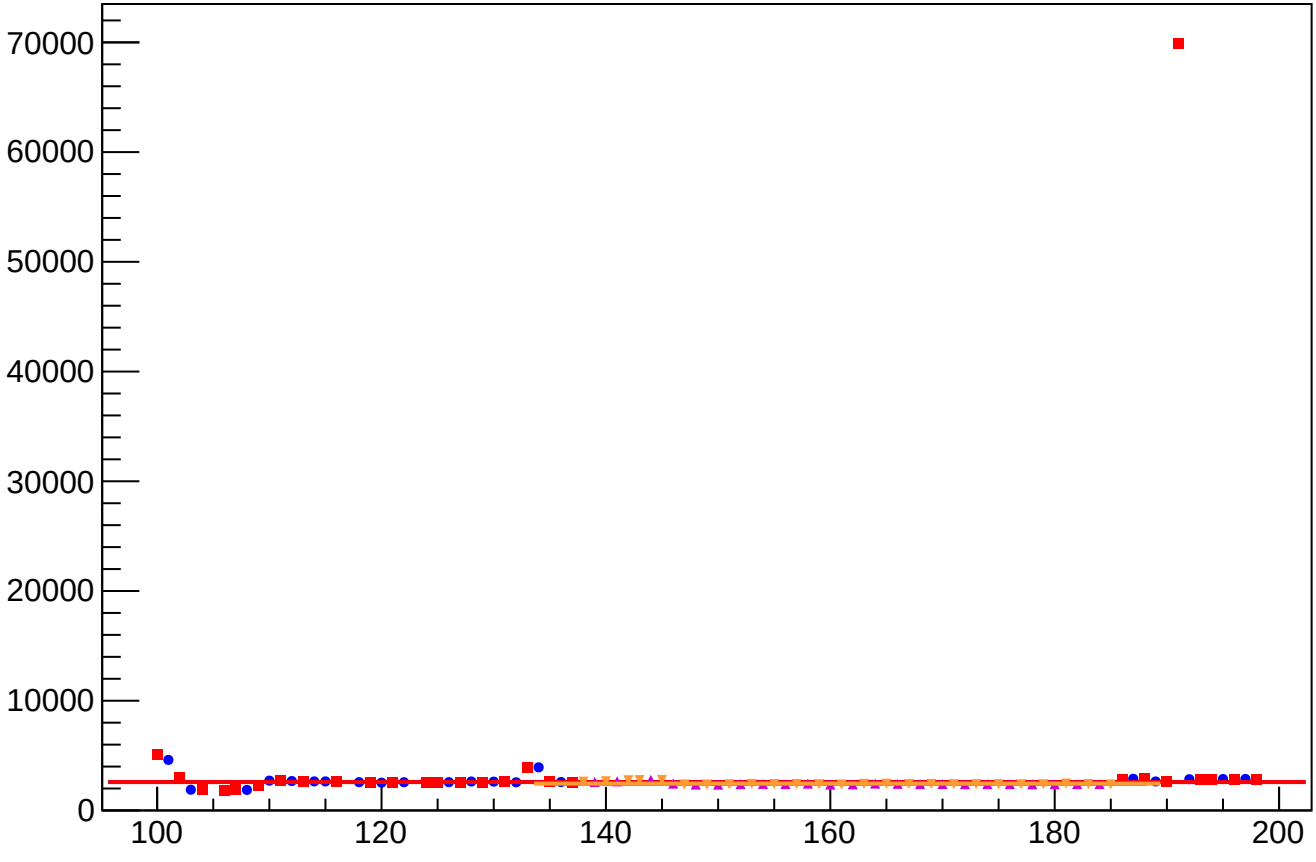
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2051.233+/-458.190 χ^2/NDF: 49.5/45

All: -290.803+/-321.842 χ^2/NDF: 139.7/95

- sign -2571.765+/-452.176 χ^2/NDF: 38.6/49

reg_asym_atr2_rms vs Slug



Right In: 2596.025+/-0.571 χ^2/NDF: 678105.3/20

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2585.453+/-0.526 χ^2/NDF: 709326.4/26

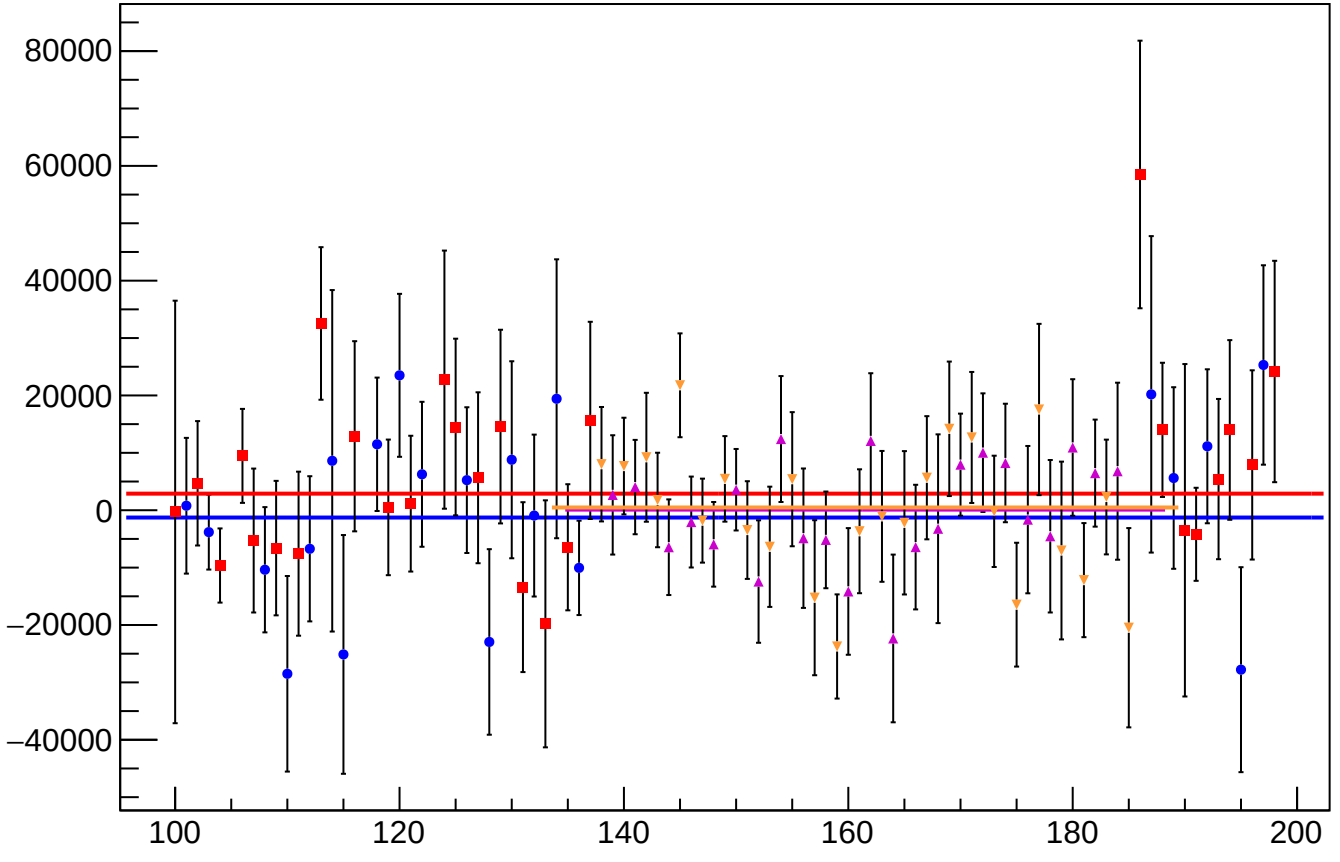
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2494.112+/-0.324 χ^2/NDF: 815000.8/45

All: 2492.592+/-0.228 χ^2/NDF: 1634465.1/95

- sign 2491.112+/-0.320 χ^2/NDF: 819420.8/49

asym_atr2_reg_correction_mean vs Slug



Right In: -1273.978+/-2850.935 χ^2/NDF: 20.1/20

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2889.364+/-2469.171 χ^2/NDF: 26.2/26

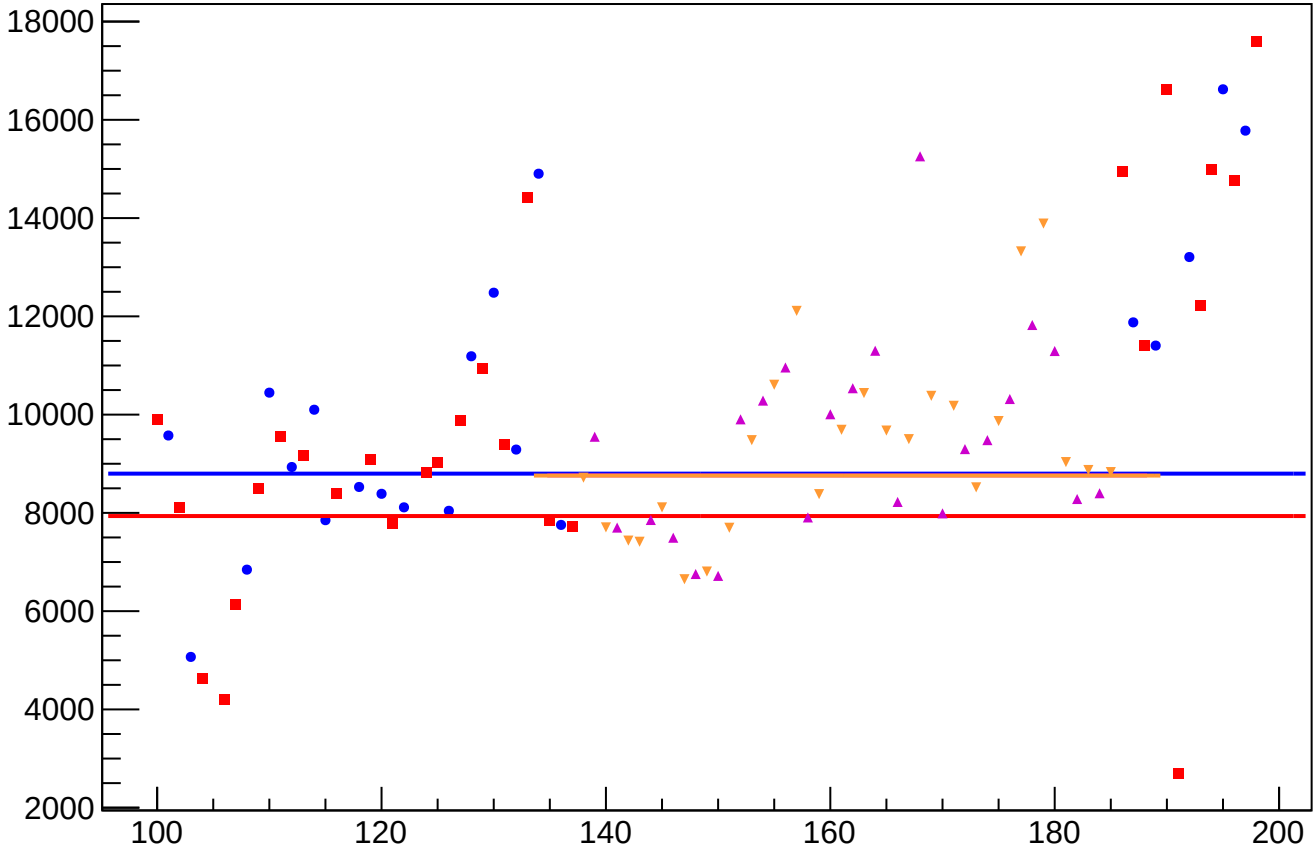
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -114.264+/-1656.850 χ^2/NDF: 47.8/45

All: 602.743+/-1149.323 χ^2/NDF: 89.5/95

- sign 1267.762+/-1595.653 χ^2/NDF: 41.4/49

asym_atr2_reg_correction_rms vs Slug



Right In: 8798.845+/-2.016 χ^2/NDF: 2066948.4/20

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 7935.757+/-1.746 χ^2/NDF: 4176933.4/26

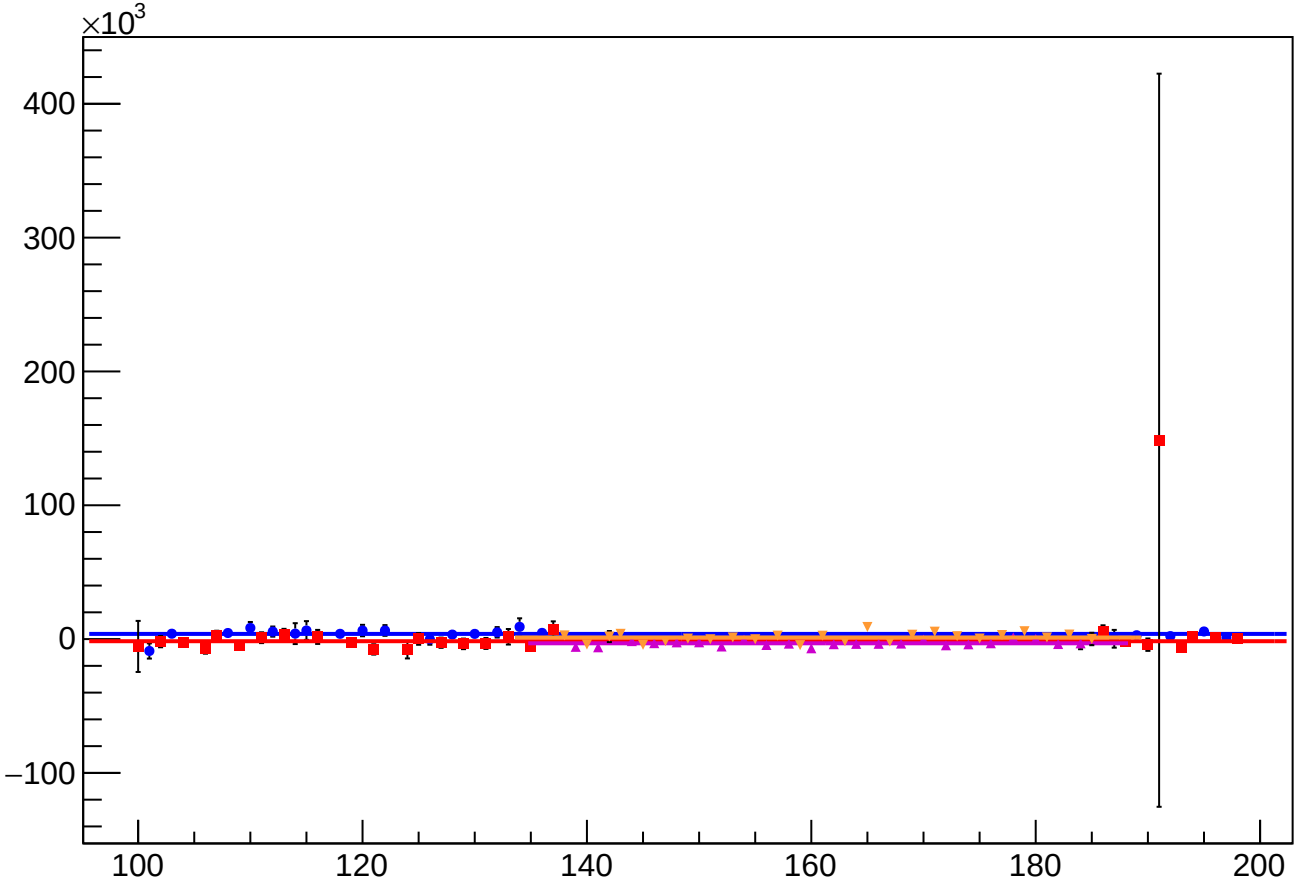
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8772.878+/-1.172 χ^2/NDF: 3289437.0/45

All: 8588.865+/-0.813 χ^2/NDF: 8936719.1/95

- sign 8418.194+/-1.128 χ^2/NDF: 5599731.6/49

cor_asym_atr2_mean vs Slug



Right In: 3871.155+/-808.107 χ^2/NDF: 10.9/20

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1587.641+/-744.416 χ^2/NDF: 23.1/26

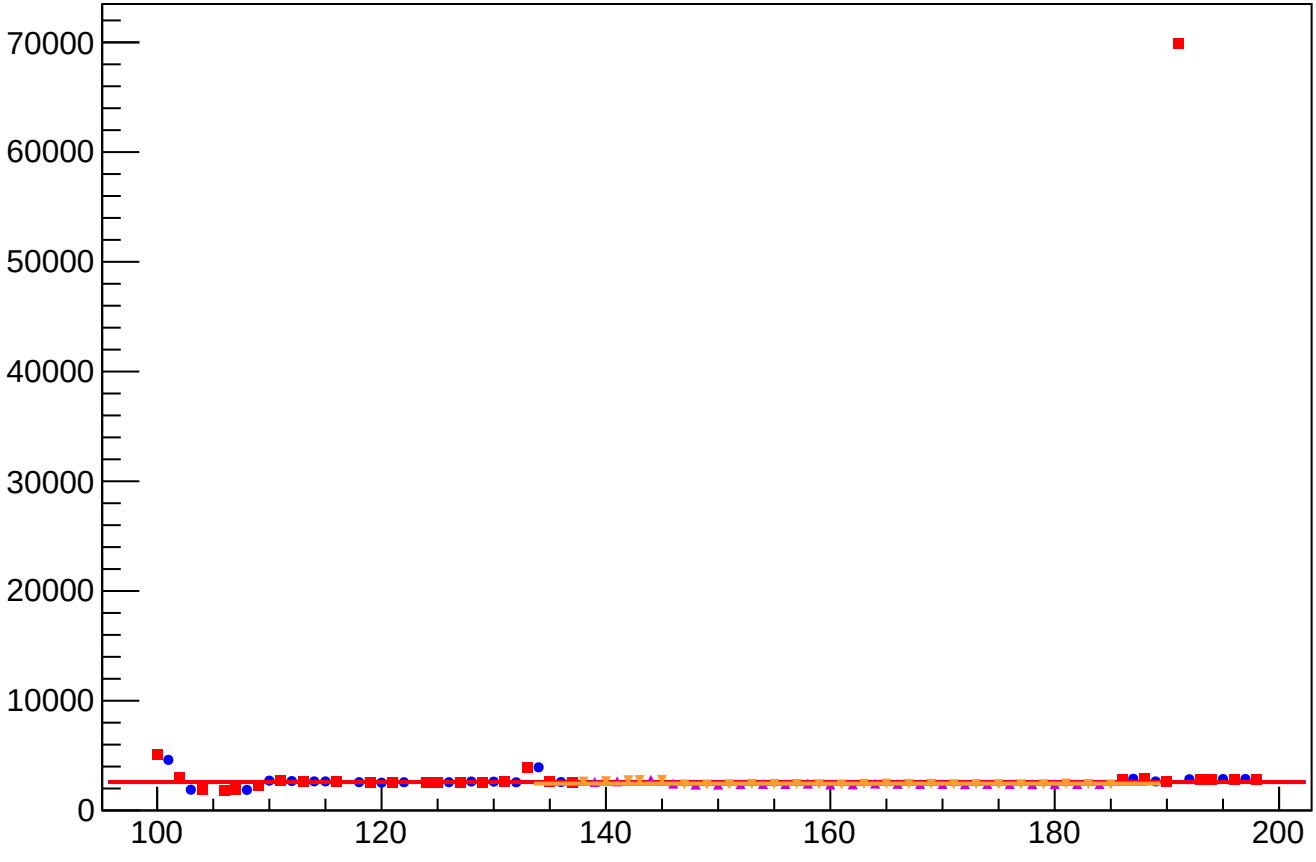
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2051.030+/-458.190 χ^2/NDF: 49.5/45

All: -290.913+/-321.842 χ^2/NDF: 139.7/95

- sign -2571.792+/-452.177 χ^2/NDF: 38.6/49

cor_asym_atr2_rms vs Slug



Right In: 2596.026+/-0.571 χ^2/NDF: 678102.7/20

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2585.470+/-0.526 χ^2/NDF: 709255.7/26

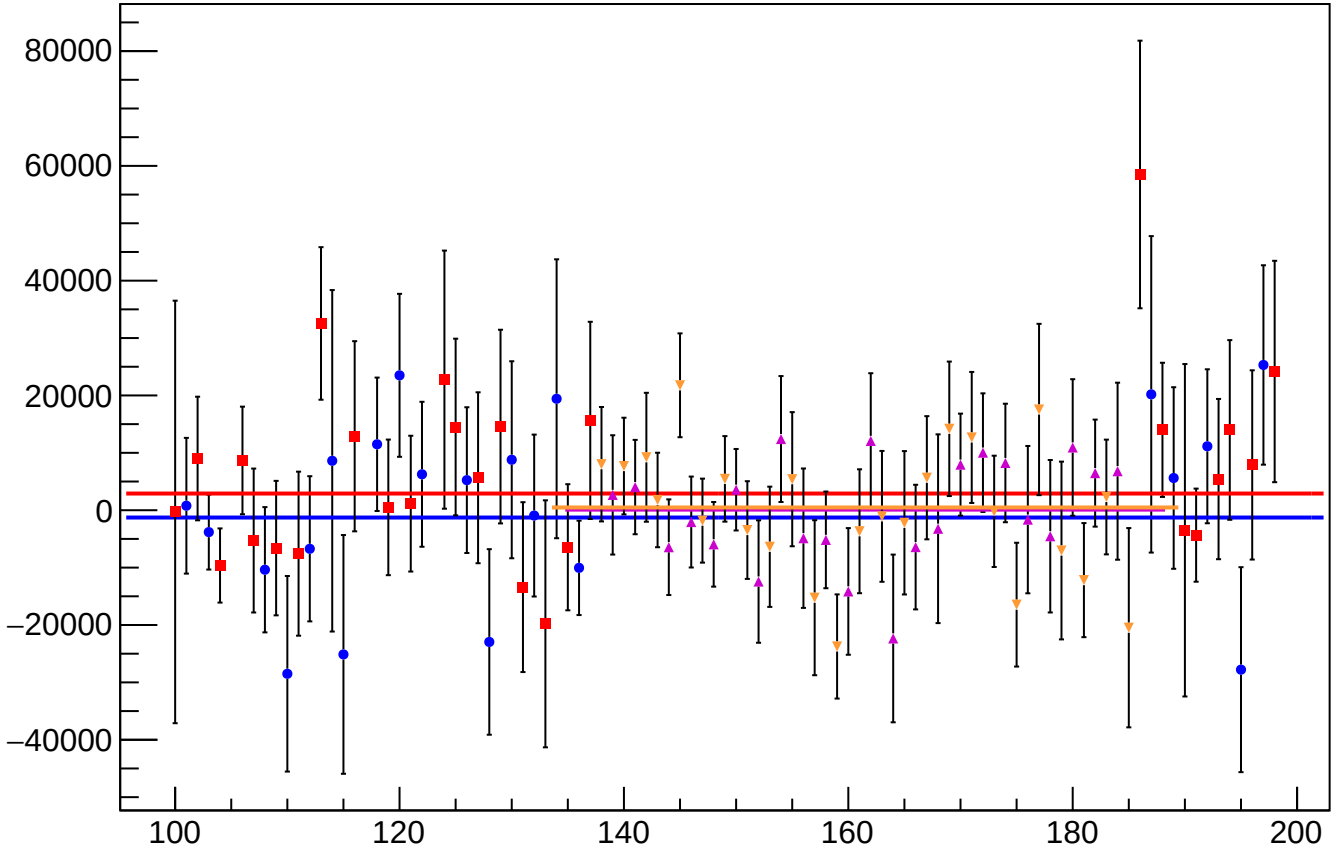
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2494.112+/-0.324 χ^2/NDF: 814998.7/45

All: 2492.595+/-0.228 χ^2/NDF: 1634403.5/95

- sign 2491.118+/-0.320 χ^2/NDF: 819361.6/49

asym_atr2_cor_correction_mean vs Slug



Right In: -1273.681+/-2851.006 χ^2/NDF: 20.1/20

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2907.742+/-2495.585 χ^2/NDF: 26.2/26

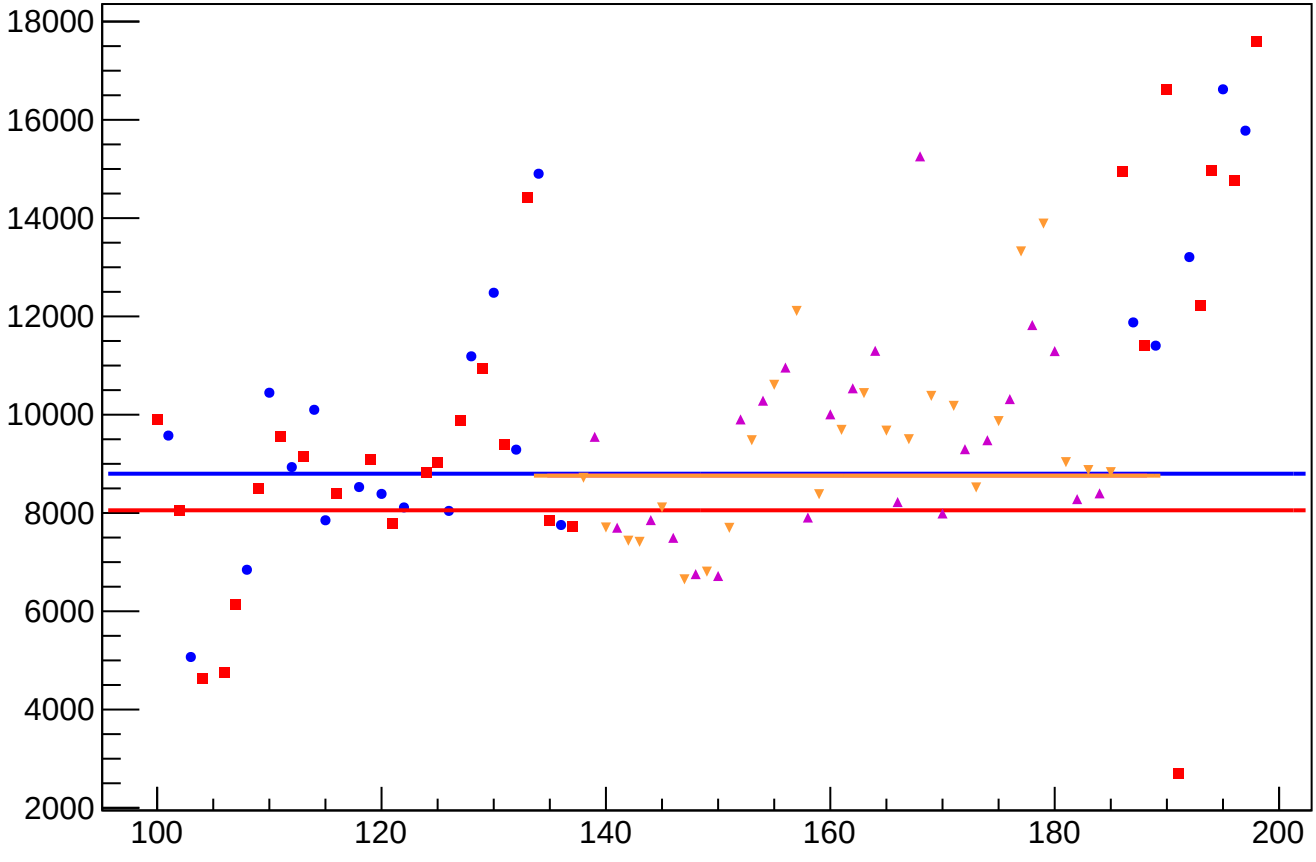
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -114.136+/-1656.862 χ^2/NDF: 47.8/45

All: 596.267+/-1151.958 χ^2/NDF: 89.6/95

- sign 1260.996+/-1602.715 χ^2/NDF: 41.5/49

asym_atr2_cor_correction_rms vs Slug



Right In: 8799.164+/-2.016 χ^2/NDF: 2066531.4/20

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8054.553+/-1.765 χ^2/NDF: 3983463.9/26

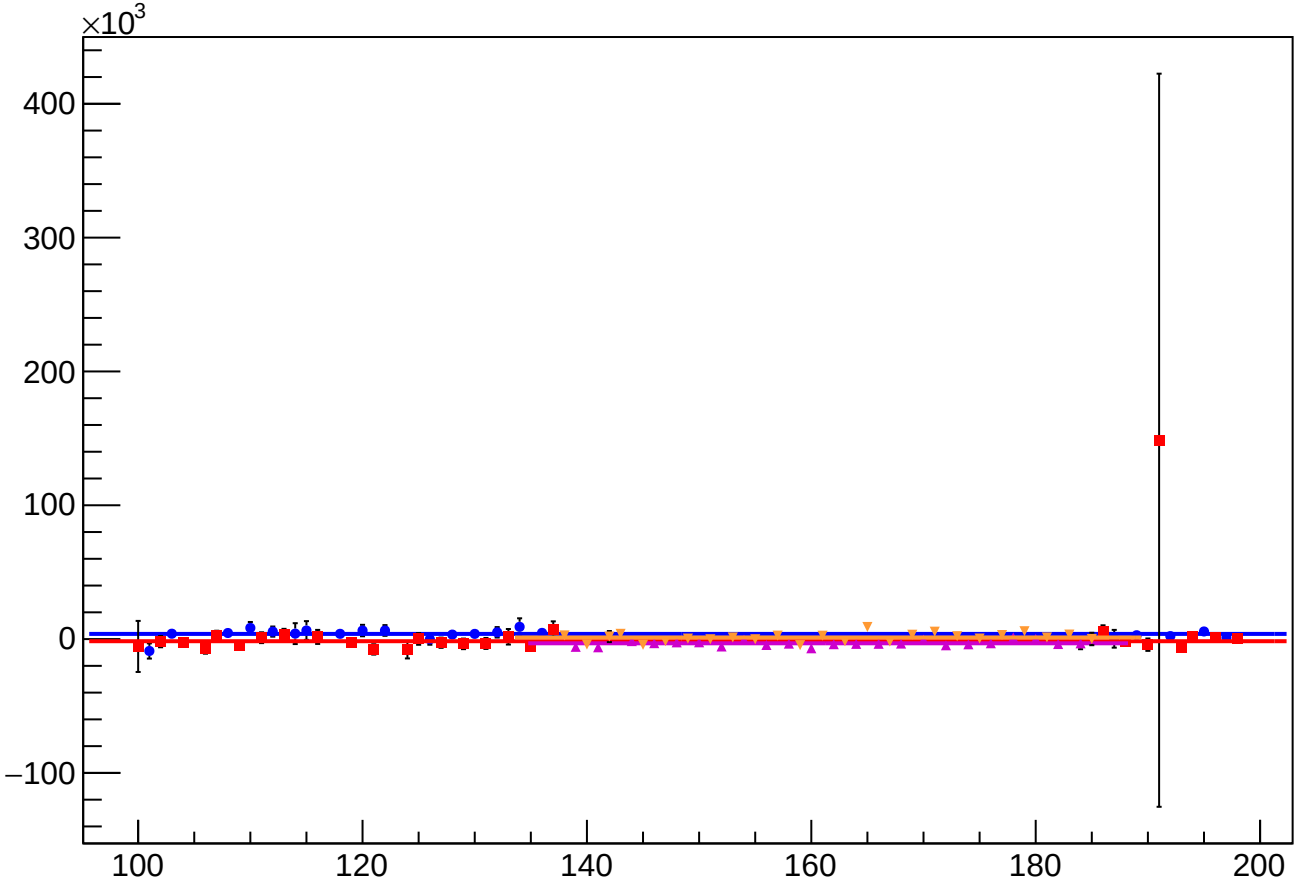
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8772.979+/-1.172 χ^2/NDF: 3289035.0/45

All: 8617.216+/-0.815 χ^2/NDF: 8693417.3/95

- sign 8471.468+/-1.133 χ^2/NDF: 5370166.8/49

eigen_cor_asym_atr2_mean vs Slug



Right In: 3871.155+/-808.107 χ^2/NDF: 10.9/20

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1587.641+/-744.416 χ^2/NDF: 23.1/26

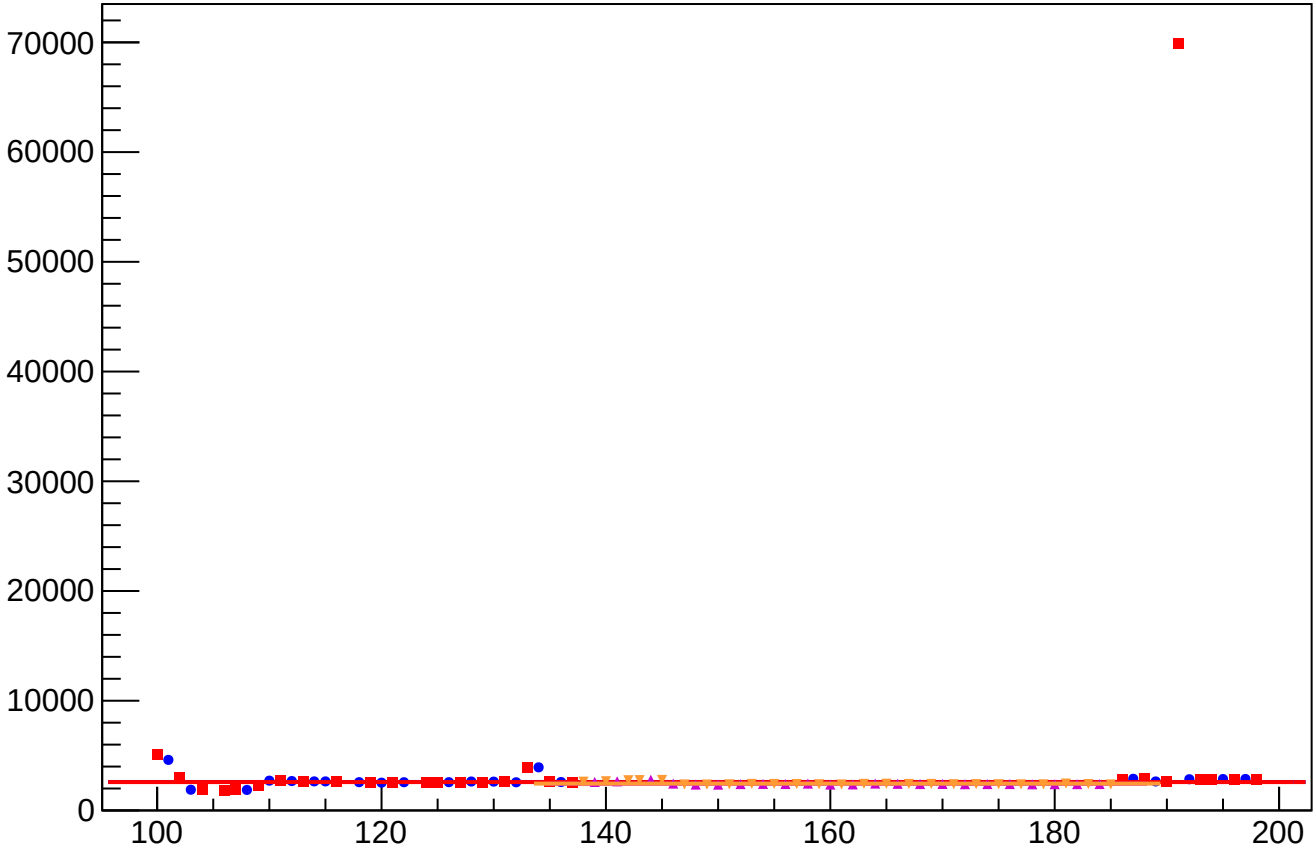
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2051.030+/-458.190 χ^2/NDF: 49.5/45

All: -290.913+/-321.842 χ^2/NDF: 139.7/95

- sign -2571.792+/-452.177 χ^2/NDF: 38.6/49

eigen_cor_asym_atr2_rms vs Slug



Right In: 2596.026+/-0.571 χ^2/NDF: 678102.7/20

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2585.470+/-0.526 χ^2/NDF: 709255.7/26

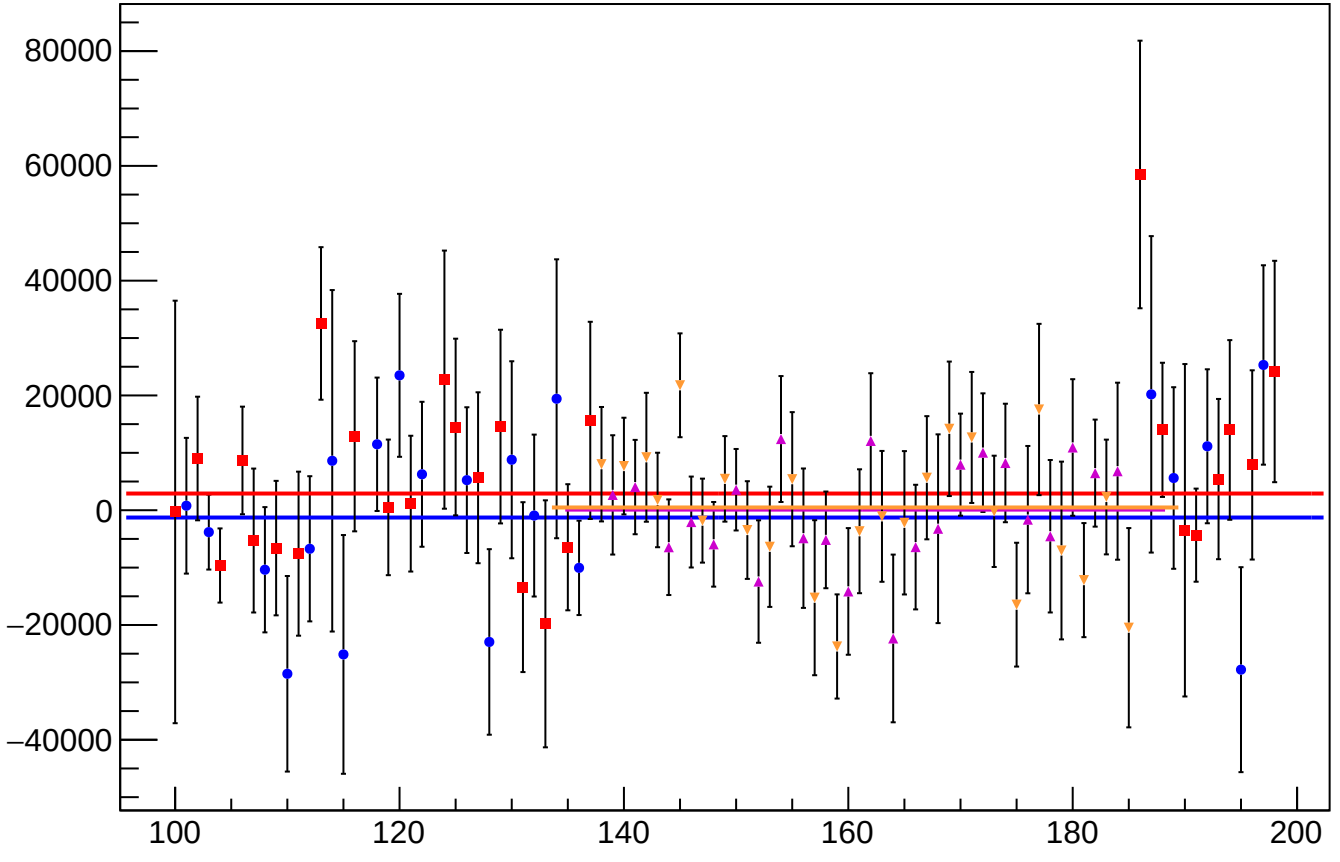
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2494.112+/-0.324 χ^2/NDF: 814998.7/45

All: 2492.595+/-0.228 χ^2/NDF: 1634403.5/95

- sign 2491.118+/-0.320 χ^2/NDF: 819361.6/49

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -1273.681+/-2851.006 χ^2/NDF: 20.1/20

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2907.742+/-2495.585 χ^2/NDF: 26.2/26

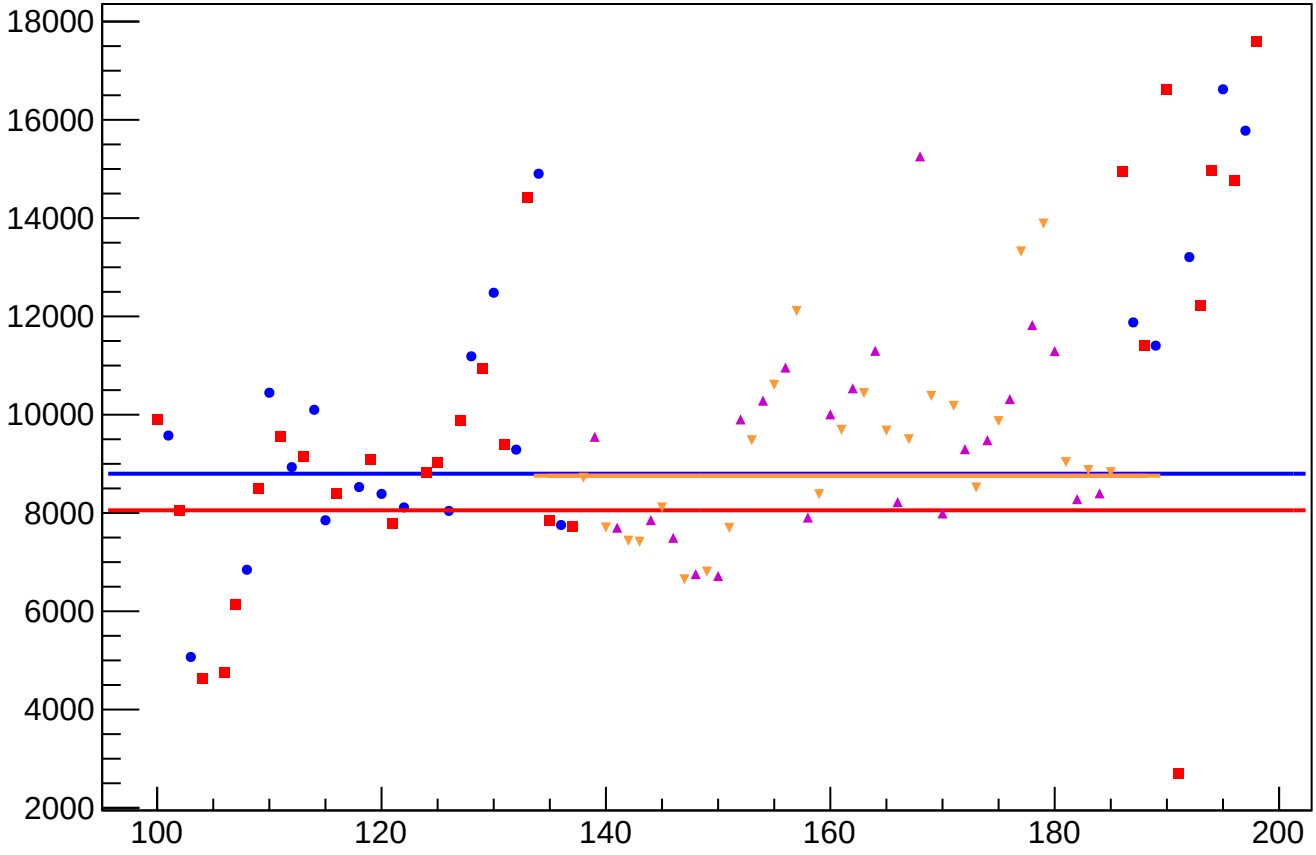
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -114.136+/-1656.862 χ^2/NDF: 47.8/45

All: 596.267+/-1151.958 χ^2/NDF: 89.6/95

- sign 1260.996+/-1602.715 χ^2/NDF: 41.5/49

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 8799.164+/-2.016 χ^2/NDF: 2066531.4/20

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8054.553+/-1.765 χ^2/NDF: 3983463.9/26

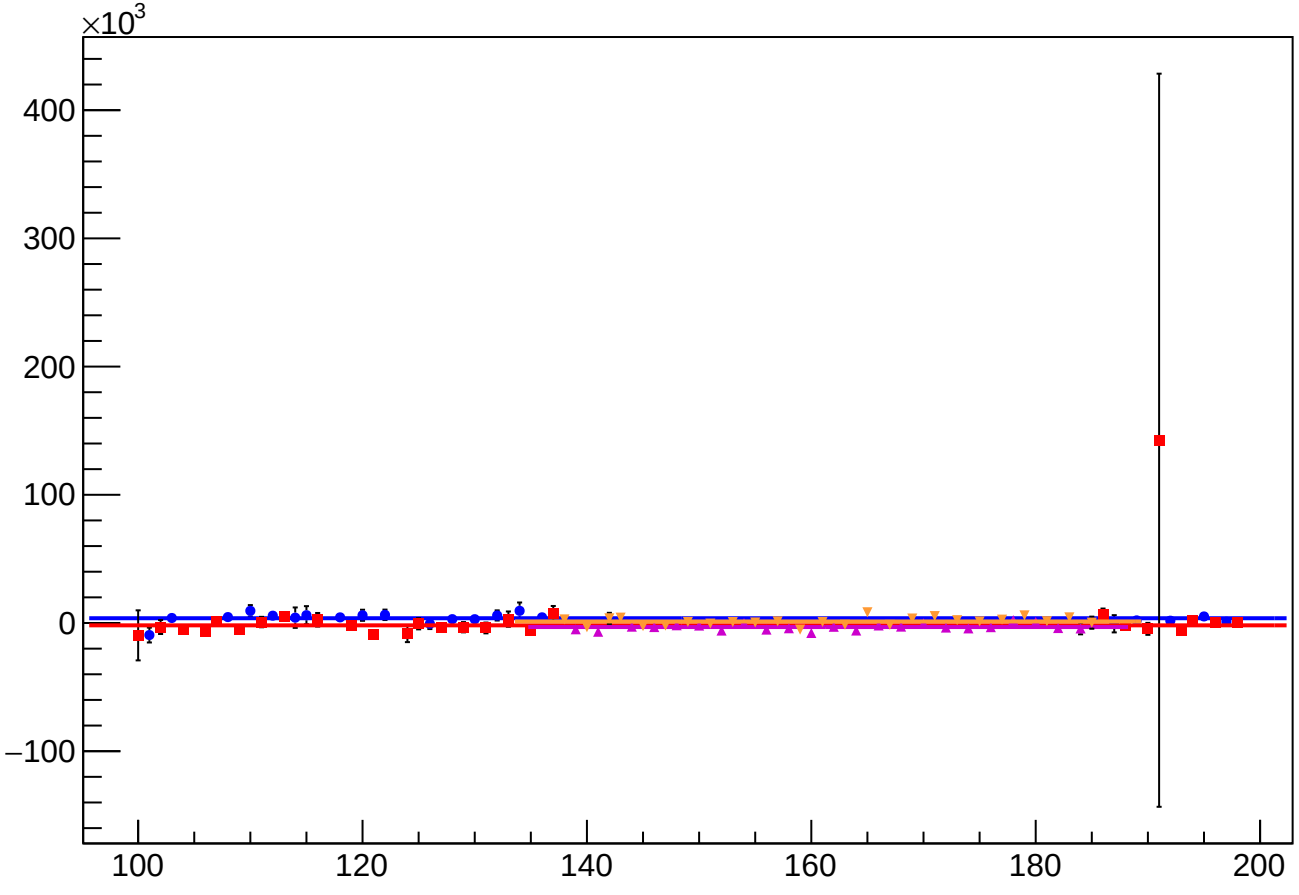
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

\+ sign 8772.979+/-1.172 χ^2/NDF: 3289035.0/45

All: 8617.216+/-0.815 χ^2/NDF: 8693417.3/95

\- sign 8471.468+/-1.133 χ^2/NDF: 5370166.8/49

dit_asym_atr2_mean vs Slug



Right In: 3716.324+/-837.866 χ^2/NDF: 12.3/20

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1828.427+/-772.723 χ^2/NDF: 26.5/26

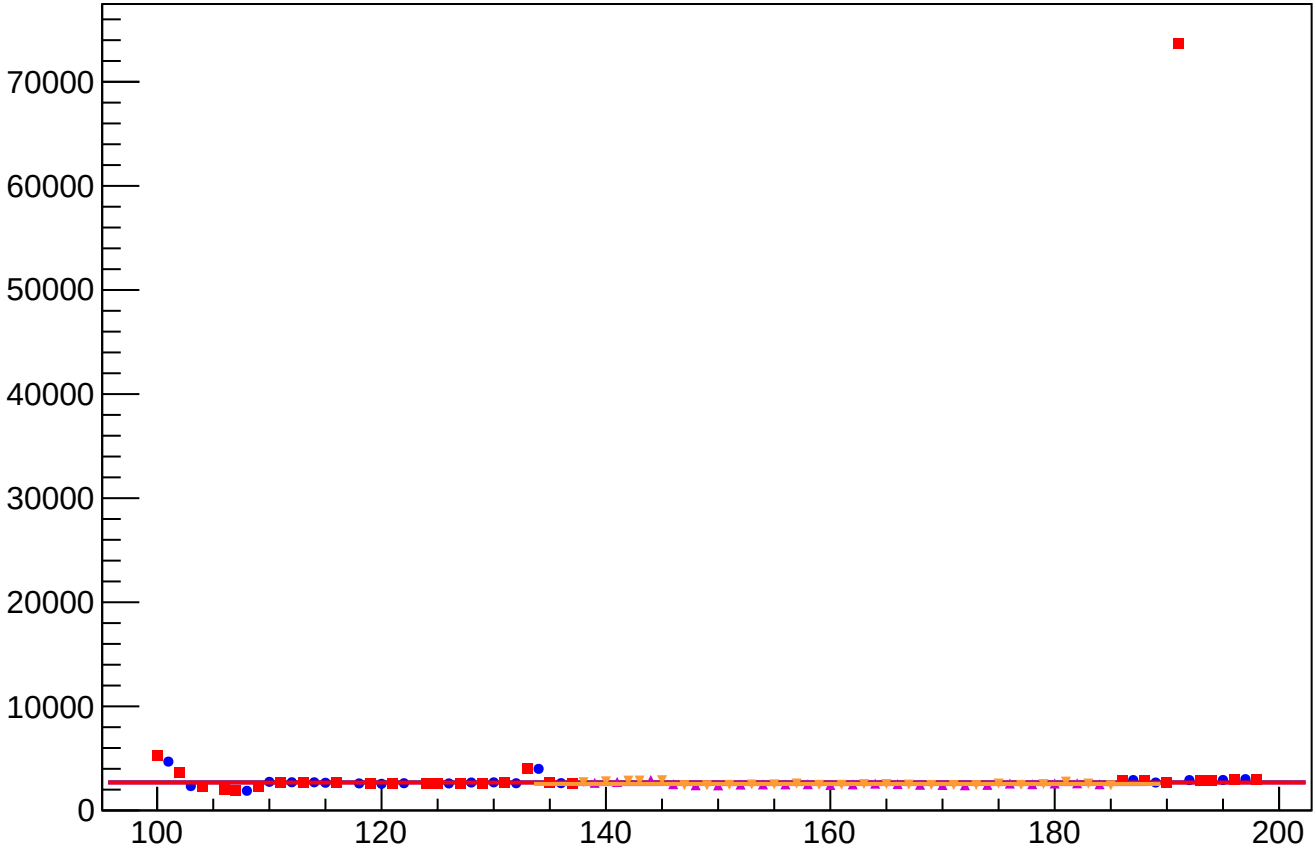
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2023.972+/-476.717 χ^2/NDF: 45.2/45

All: -351.897+/-334.689 χ^2/NDF: 138.9/95

- sign -2661.252+/-469.997 χ^2/NDF: 44.8/49

dit_asym_atr2_rms vs Slug



Right In: 2699.935+/-0.592 χ^2/NDF: 539946.8/20

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2682.796+/-0.546 χ^2/NDF: 620782.8/26

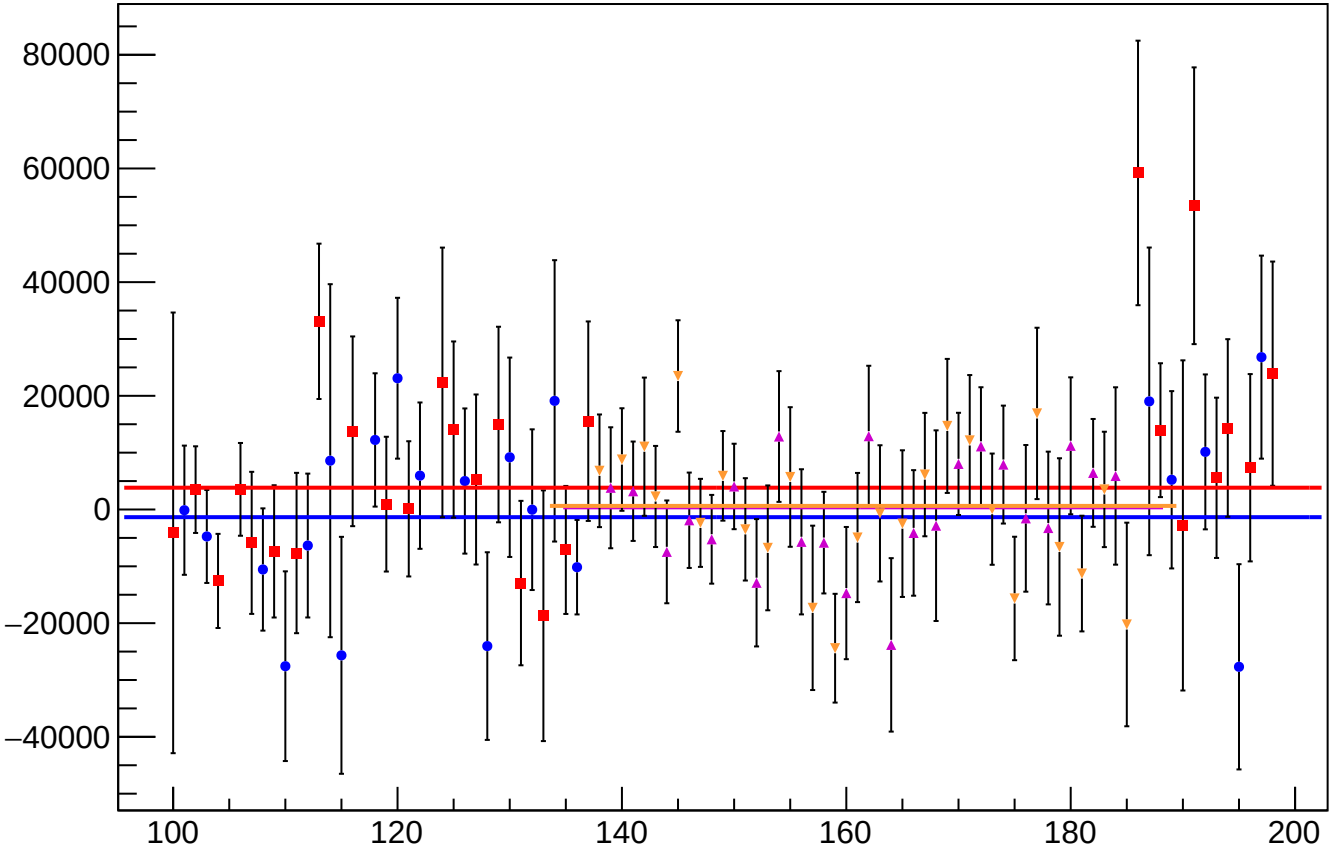
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2596.613+/-0.337 χ^2/NDF: 702217.2/45

All: 2592.396+/-0.237 χ^2/NDF: 1439270.1/95

- sign 2588.299+/-0.332 χ^2/NDF: 736744.5/49

asym_atr2_dit_correction_mean vs Slug



Right In: -1351.030+/-2961.500 χ^2/NDF: 20.0/20

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 3834.508+/-2595.308 χ^2/NDF: 28.7/26

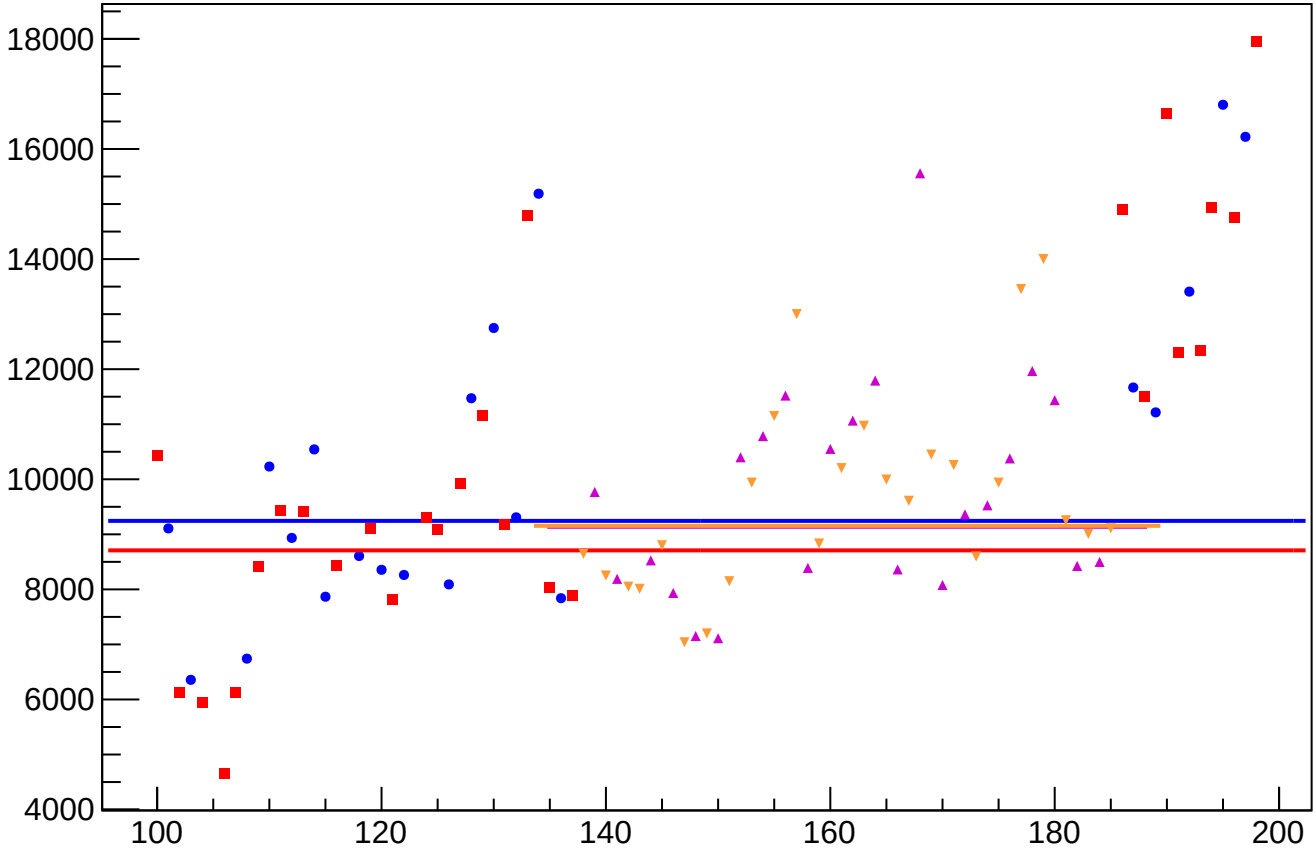
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -41.611+/-1725.502 χ^2/NDF: 47.0/45

All: 913.211+/-1199.124 χ^2/NDF: 91.5/95

- sign 1805.041+/-1667.613 χ^2/NDF: 44.0/49

asym_atr2_dit_correction_rms vs Slug



Right In: 9244.386+/-2.094 χ^2/NDF: 1599107.0/20

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

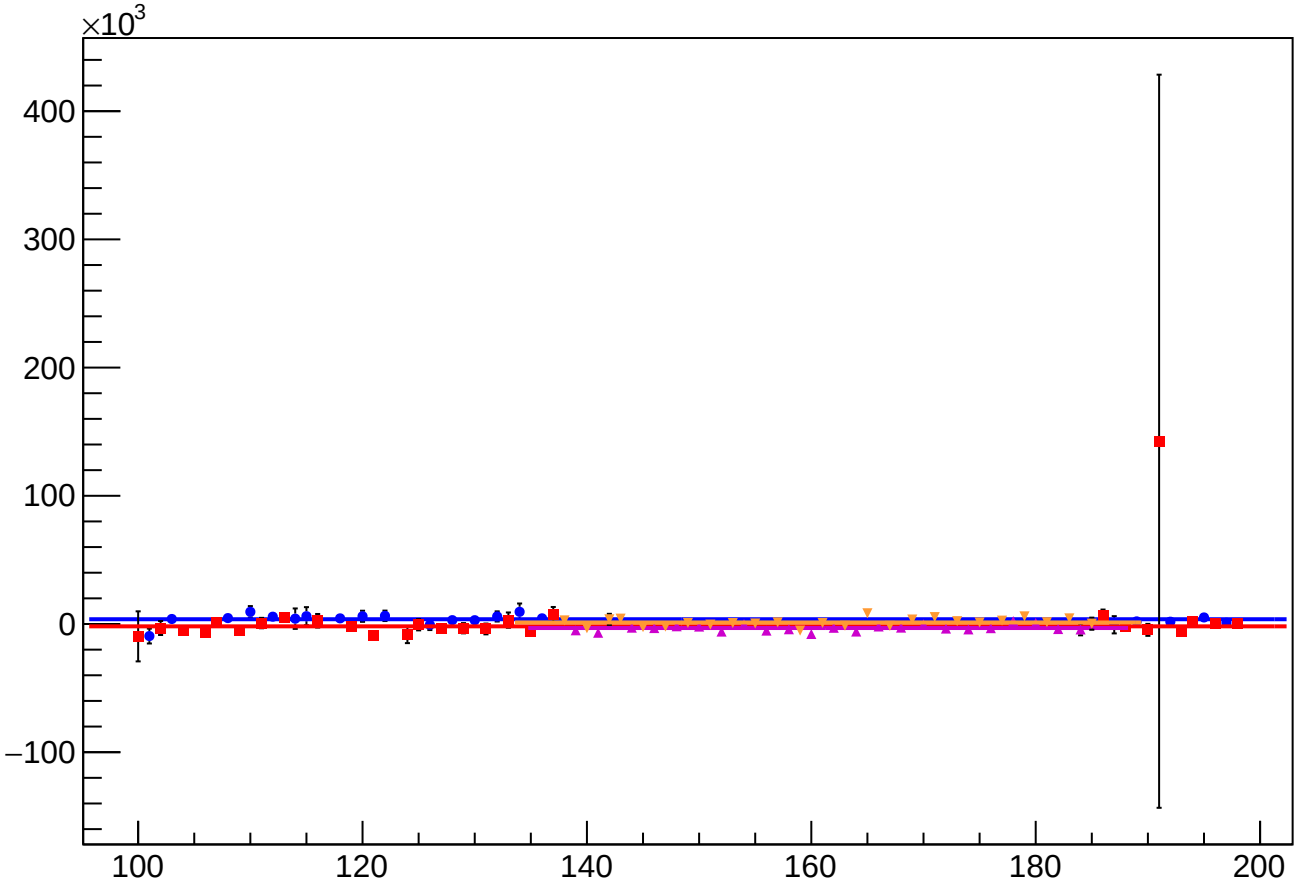
Right Out: 8708.600+/-1.835 χ^2/NDF: 2889637.6/26

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

\+ sign 9185.138+/-1.220 χ^2/NDF: 2672392.8/45

All: 9068.970+/-0.848 χ^2/NDF: 6784436.2/95

\- sign 8960.465+/-1.179 χ^2/NDF: 4094511.1/49



Right In: 3716.326+/-837.866 χ^2/NDF: 12.3/20

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1828.431+/-772.723 χ^2/NDF: 26.5/26

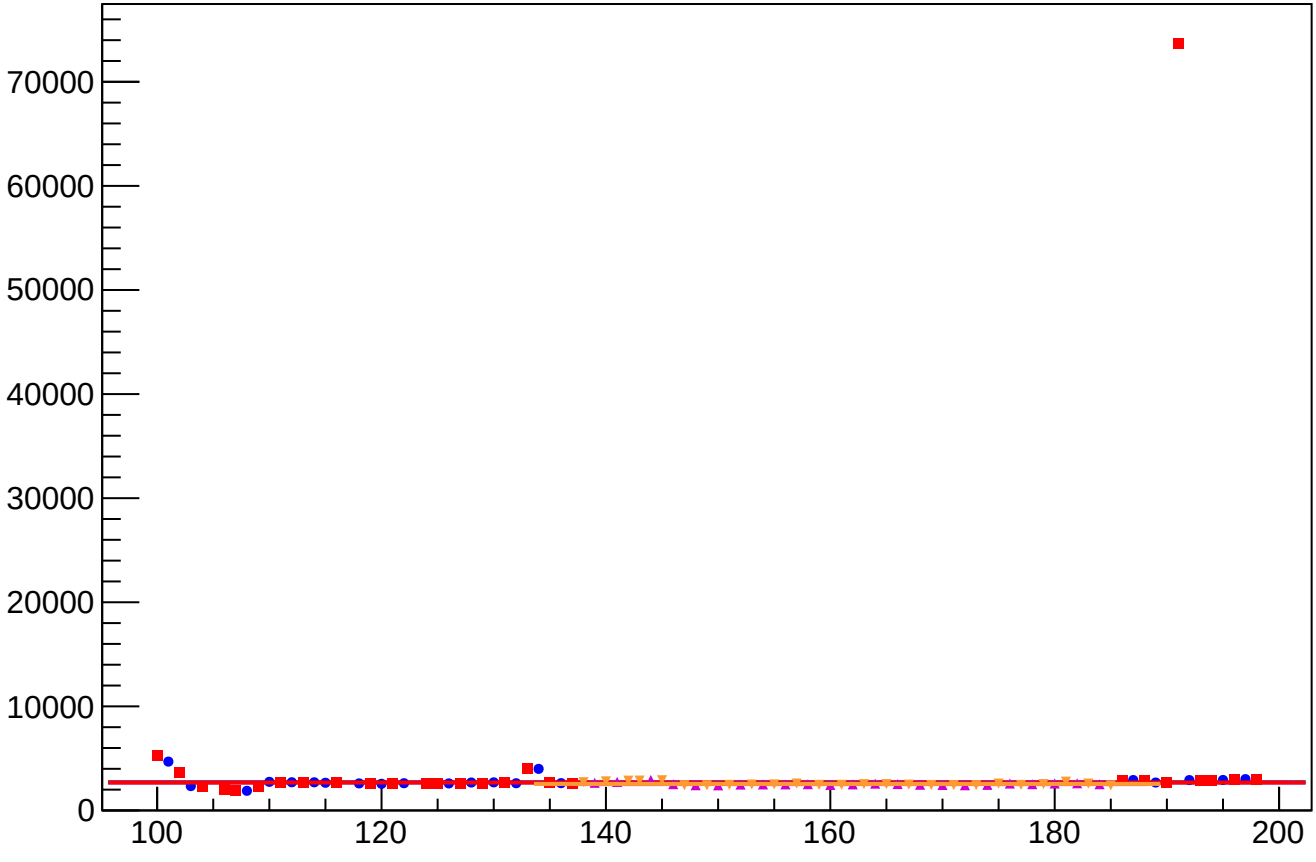
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2023.966+/-476.717 χ^2/NDF: 45.2/45

All: -351.900+/-334.689 χ^2/NDF: 138.9/95

- sign -2661.252+/-469.997 χ^2/NDF: 44.8/49

eigen_dit_asym_atr2_rms vs Slug



Right In: 2699.934+/-0.592 χ^2/NDF: 539947.1/20

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2682.795+/-0.546 χ^2/NDF: 620782.5/26

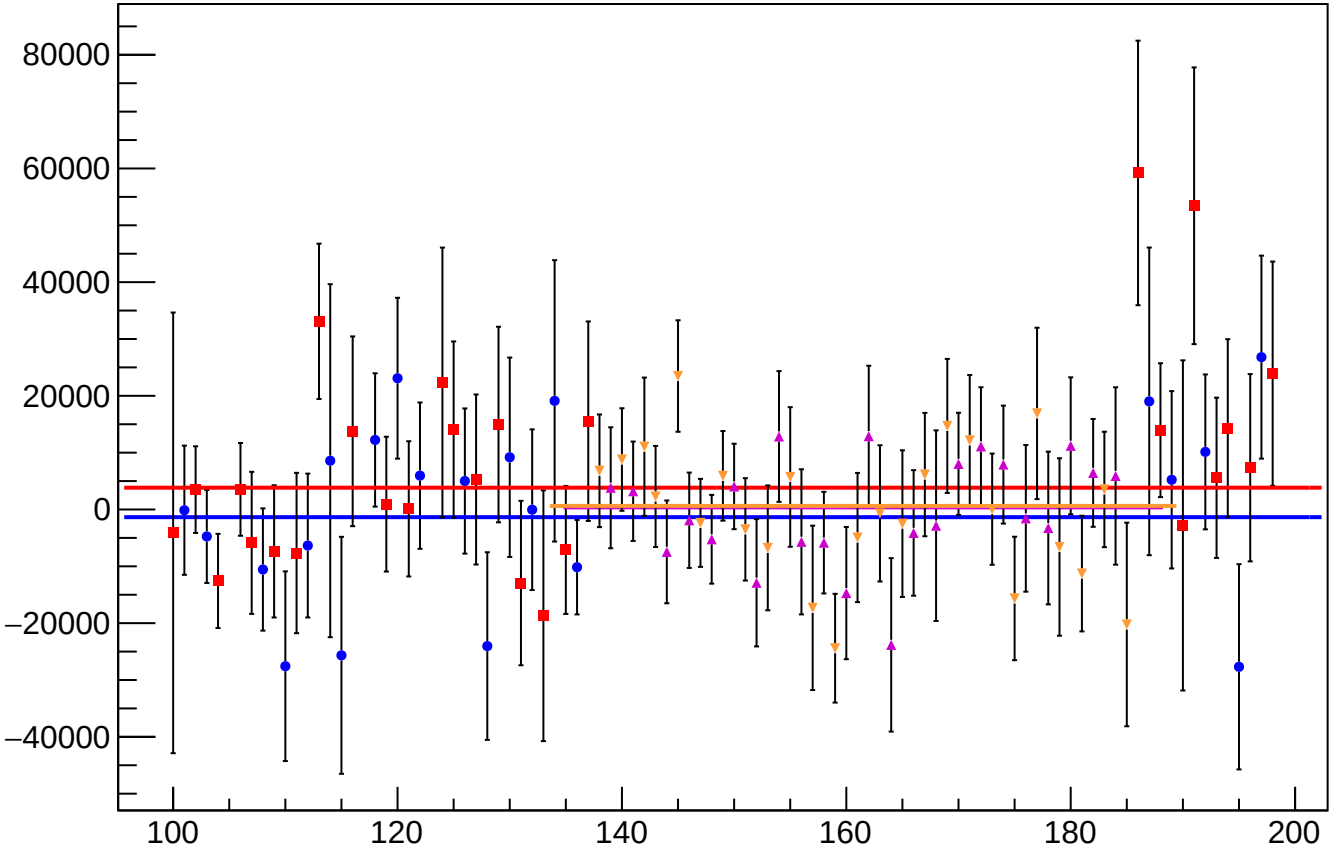
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2596.613+/-0.337 χ^2/NDF: 702215.9/45

All: 2592.397+/-0.237 χ^2/NDF: 1439267.1/95

- sign 2588.301+/-0.332 χ^2/NDF: 736742.8/49

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -1351.002+/-2961.497 χ^2/NDF: 20.0/20

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 3834.495+/-2595.304 χ^2/NDF: 28.7/26

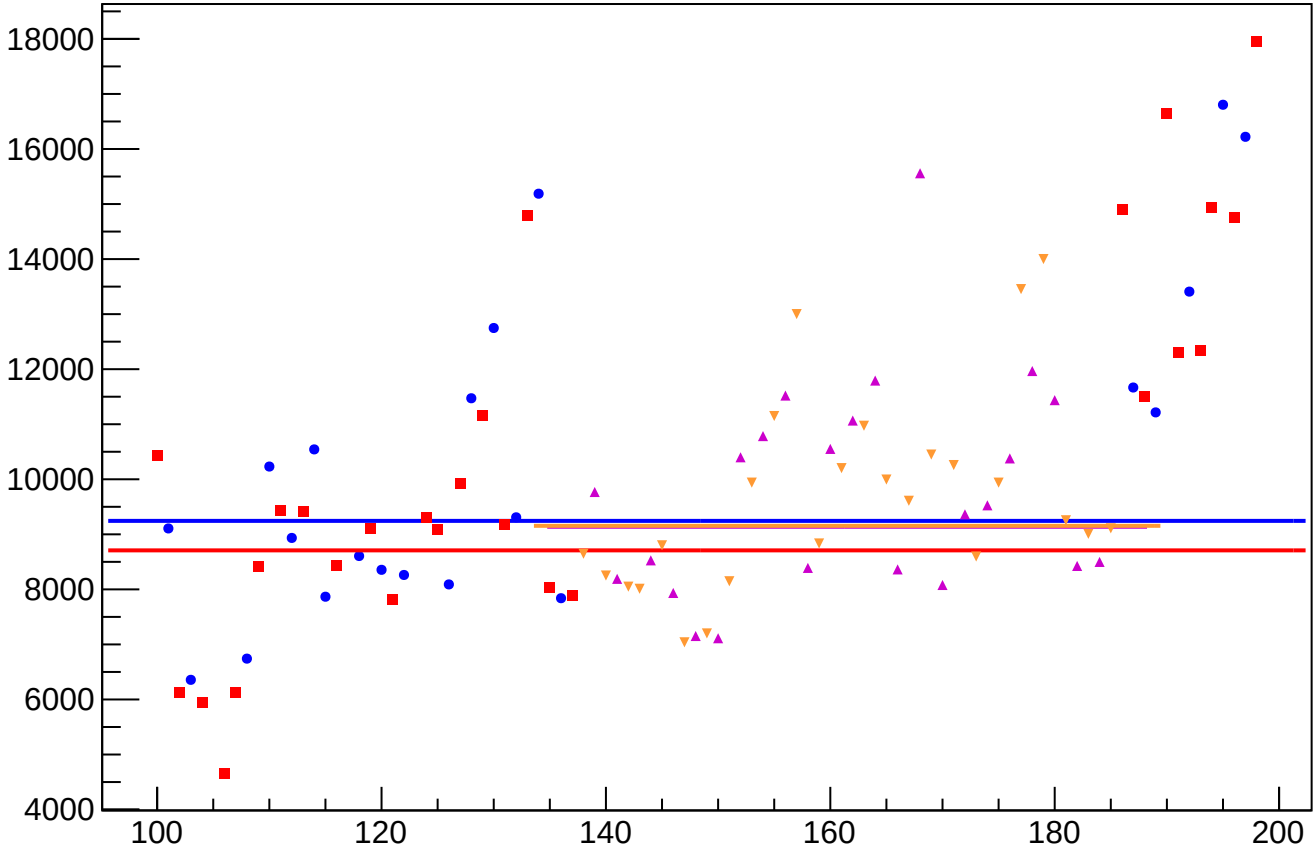
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign -41.607+/-1725.503 χ^2/NDF: 47.0/45

All: 913.215+/-1199.124 χ^2/NDF: 91.5/95

- sign 1805.044+/-1667.614 χ^2/NDF: 44.0/49

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 9244.376+/-2.094 χ^2/NDF: 1599108.0/20

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 8708.588+/-1.835 χ^2/NDF: 2889642.9/26

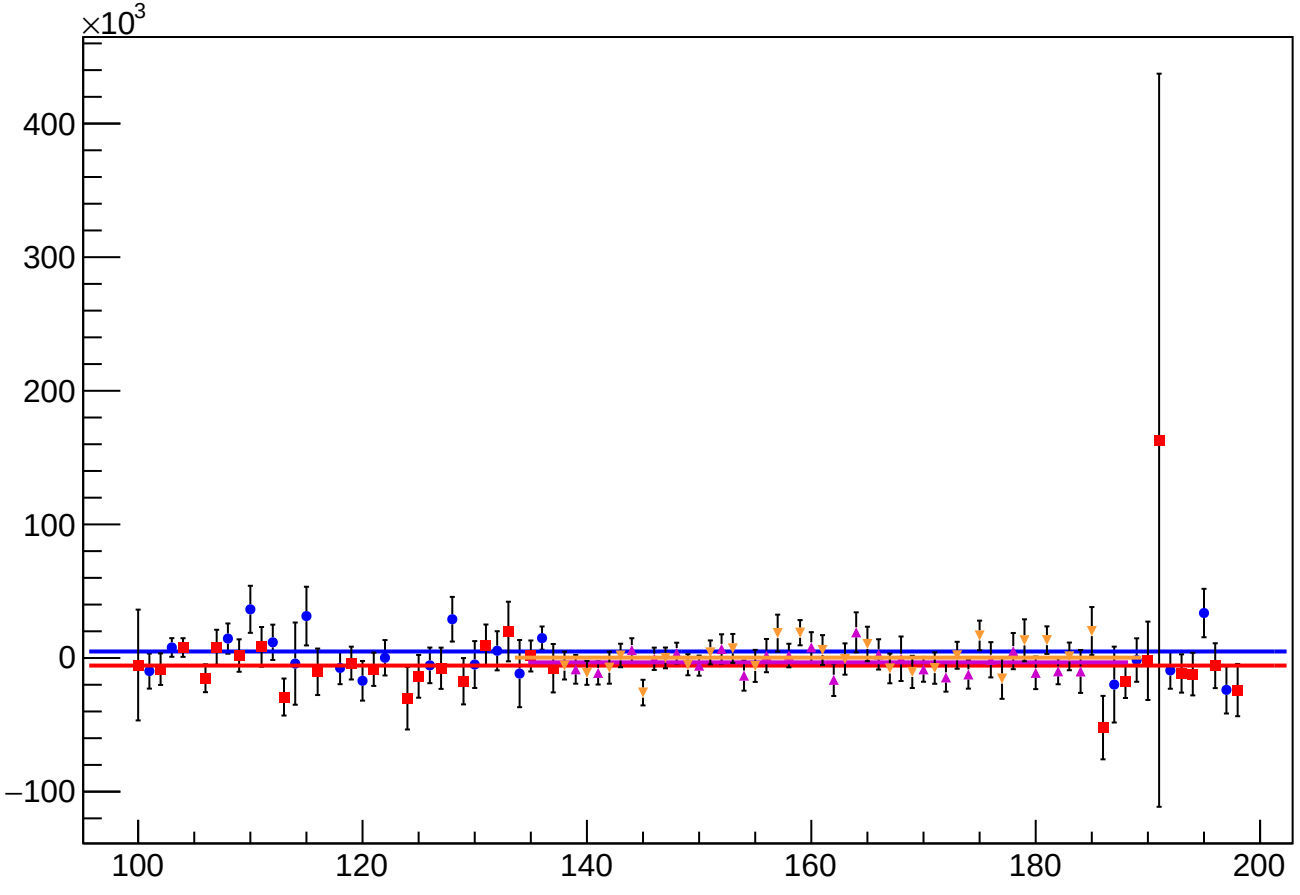
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9185.145+/-1.220 χ^2/NDF: 2672395.2/45

All: 9068.974+/-0.848 χ^2/NDF: 6784452.2/95

- sign 8960.468+/-1.179 χ^2/NDF: 4094524.2/49

asym_atr2_mean vs Slug



Right In: 4894.954+/-2990.101 χ^2/NDF: 22.4/20

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -5649.401+/-2763.507 χ^2/NDF: 21.0/26

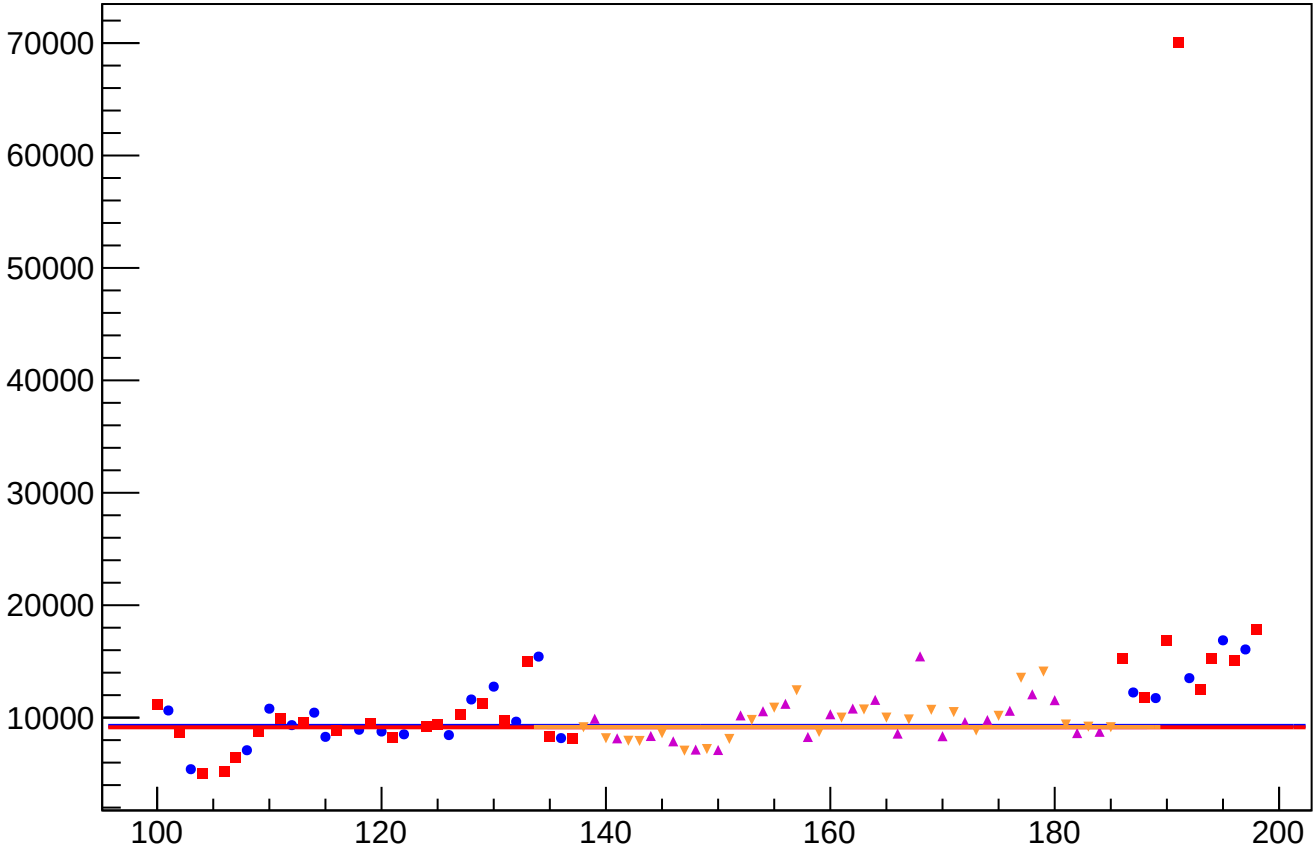
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1839.031+/-1732.342 χ^2/NDF: 50.3/45

All: -1196.929+/-1217.510 χ^2/NDF: 91.4/95

- sign -4160.229+/-1711.486 χ^2/NDF: 35.0/49

asym_atr2_rms vs Slug



Right In: 9267.472+/-2.114 χ^2/NDF: 1925657.0/20

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

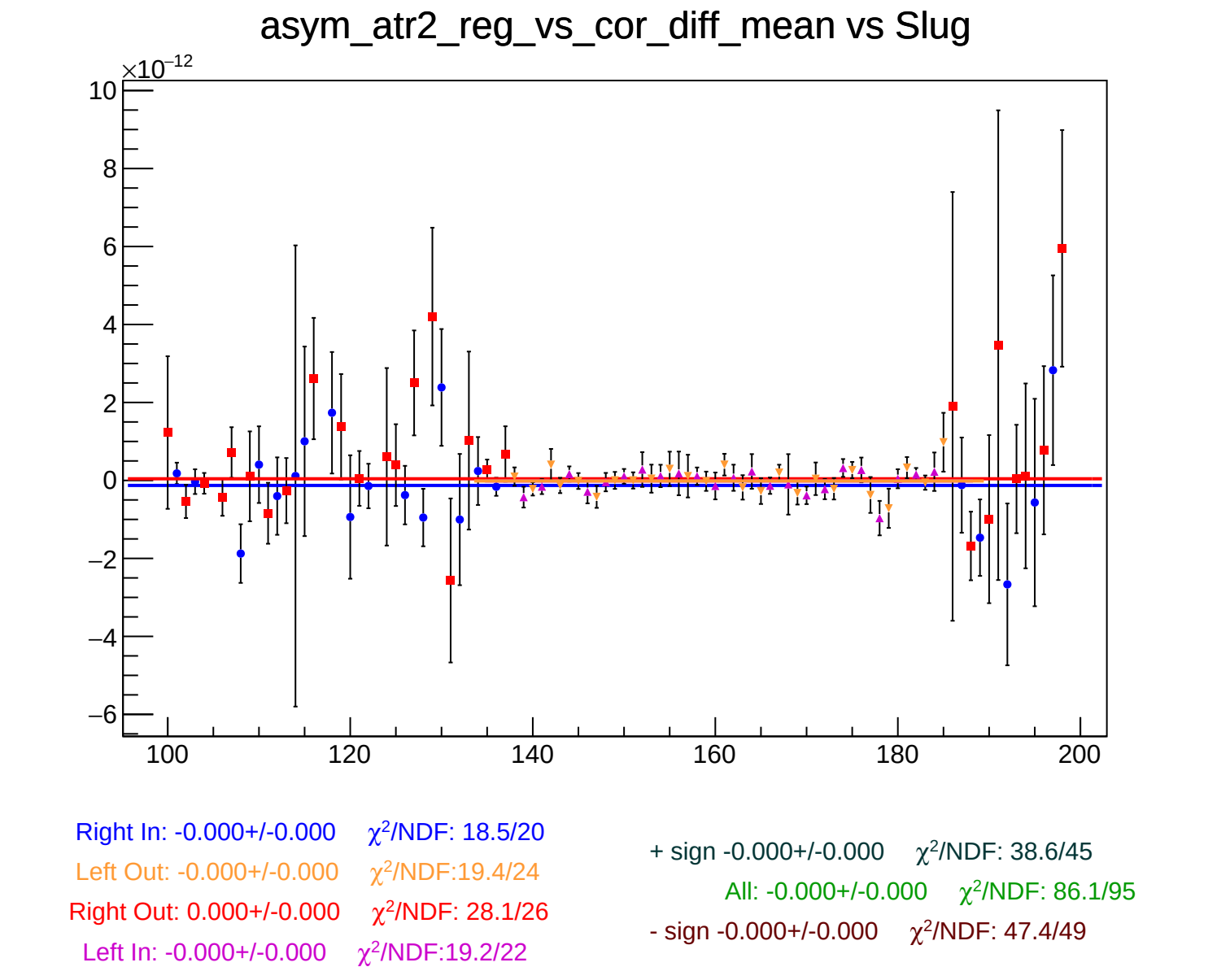
Right Out: 9139.922+/-1.954 χ^2/NDF: 2838763.6/26

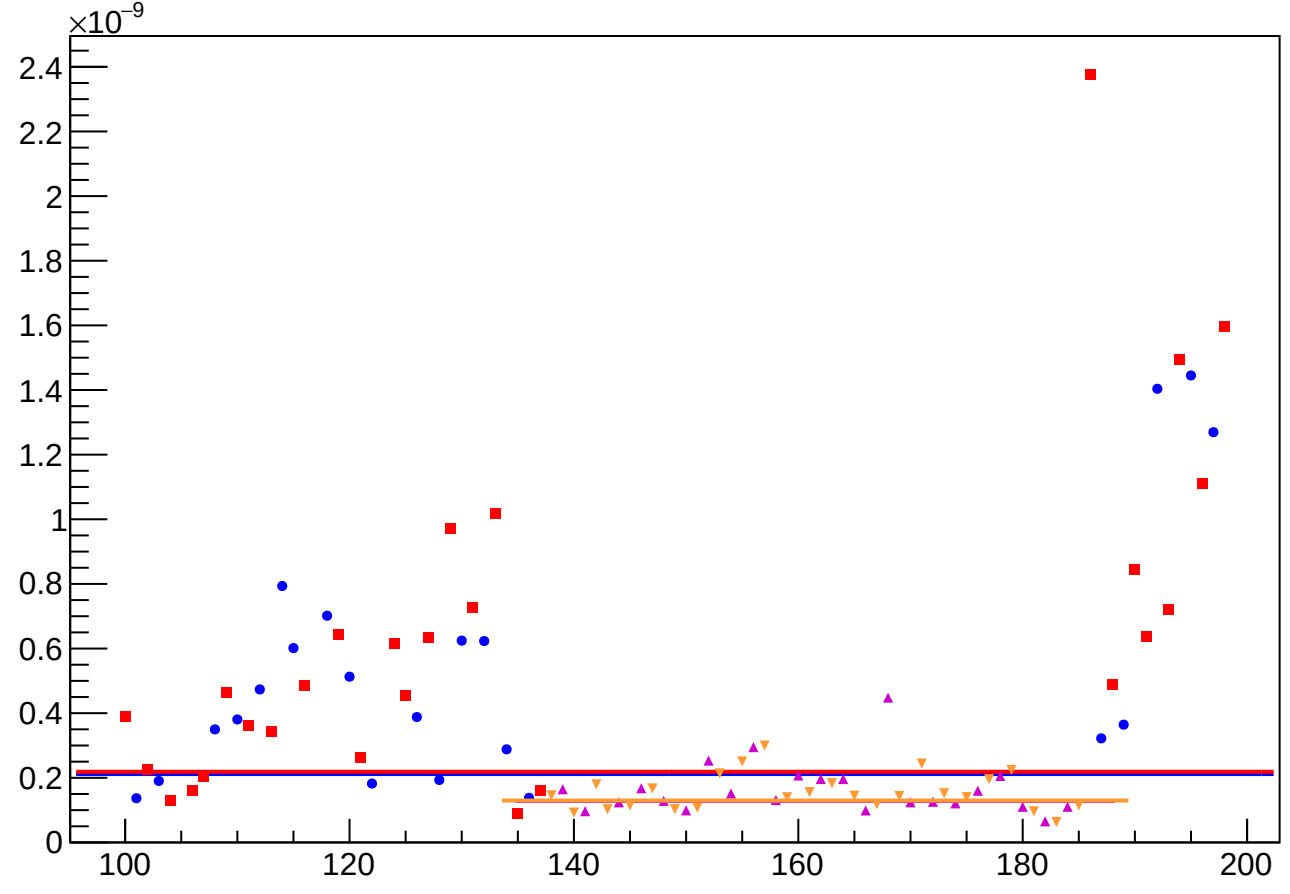
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9204.595+/-1.225 χ^2/NDF: 2983935.1/45

All: 9178.840+/-0.861 χ^2/NDF: 6951186.3/95

- sign 9153.702+/-1.210 χ^2/NDF: 3966377.7/49


asym_atr2_reg_vs_cor_diff_mean vs Slug
×10^−12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 18.5/20
Left Out: -0.000+/-0.000 χ²/NDF:19.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.1/26
Left In: -0.000+/-0.000 χ²/NDF:19.2/22
+ sign -0.000+/-0.000 χ²/NDF: 38.6/45
All: -0.000+/-0.000 χ²/NDF: 86.1/95
- sign -0.000+/-0.000 χ²/NDF: 47.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 2901619.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4410357.3/26

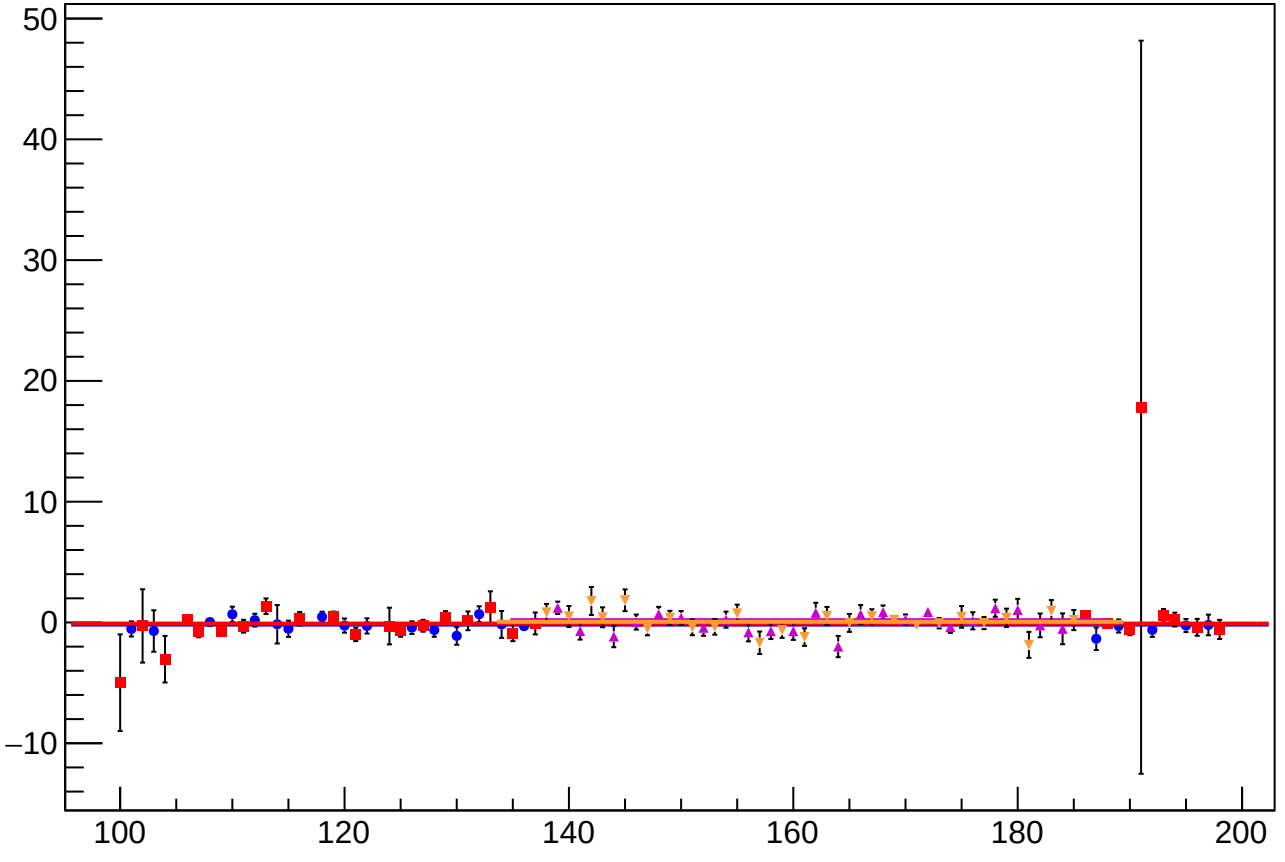
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4960311.2/45

All: 0.000+/-0.000 χ^2/NDF: 11650250.3/95

- sign 0.000+/-0.000 χ^2/NDF: 6689921.4/49

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.093+/-0.102 χ^2/NDF: 31.4/26

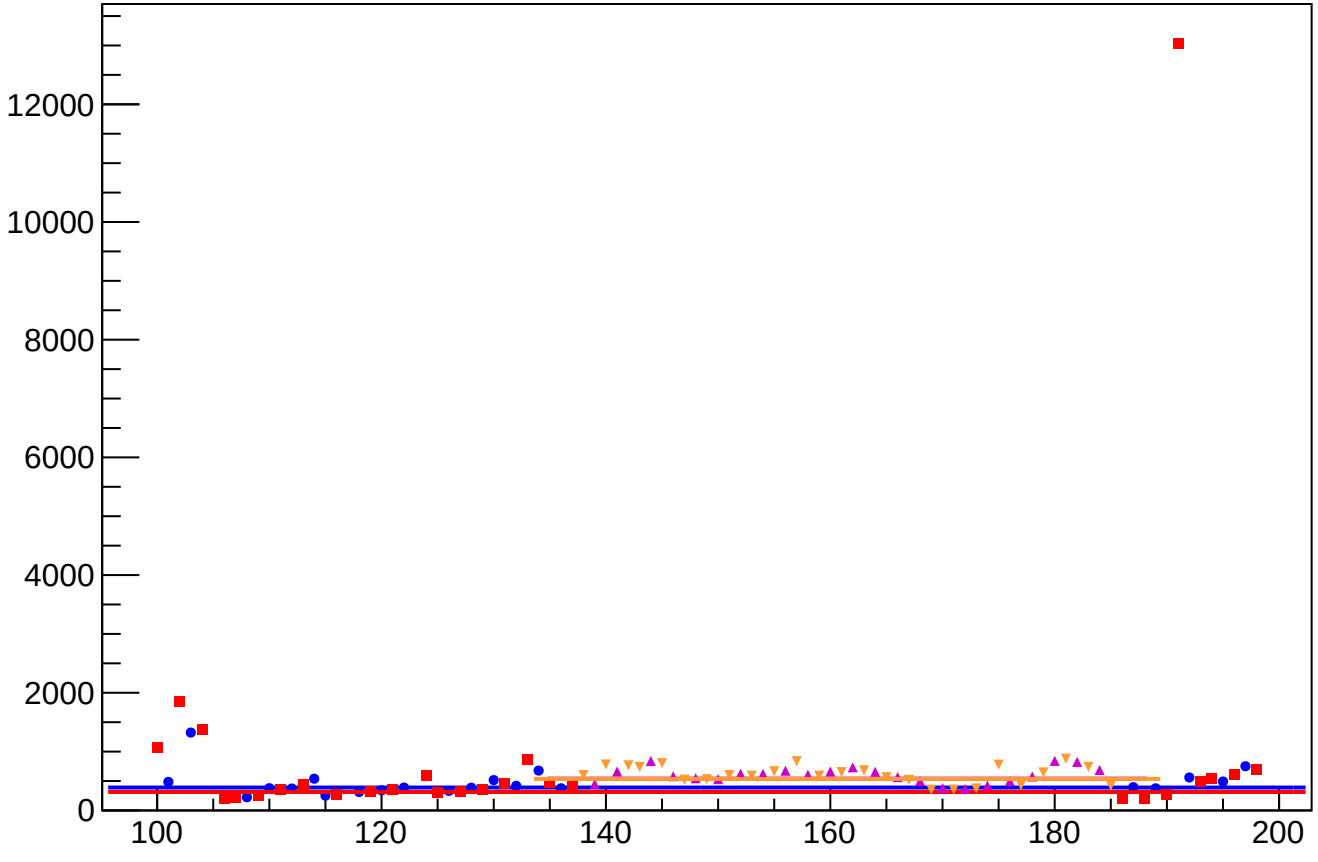
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.061+/-0.091 χ^2/NDF: 38.4/45

All: -0.020+/-0.061 χ^2/NDF: 104.1/95

- sign 0.012+/-0.081 χ^2/NDF: 65.4/49

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 389.480+/-0.091 χ^2/NDF: 2053351.2/20

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724753.0/26

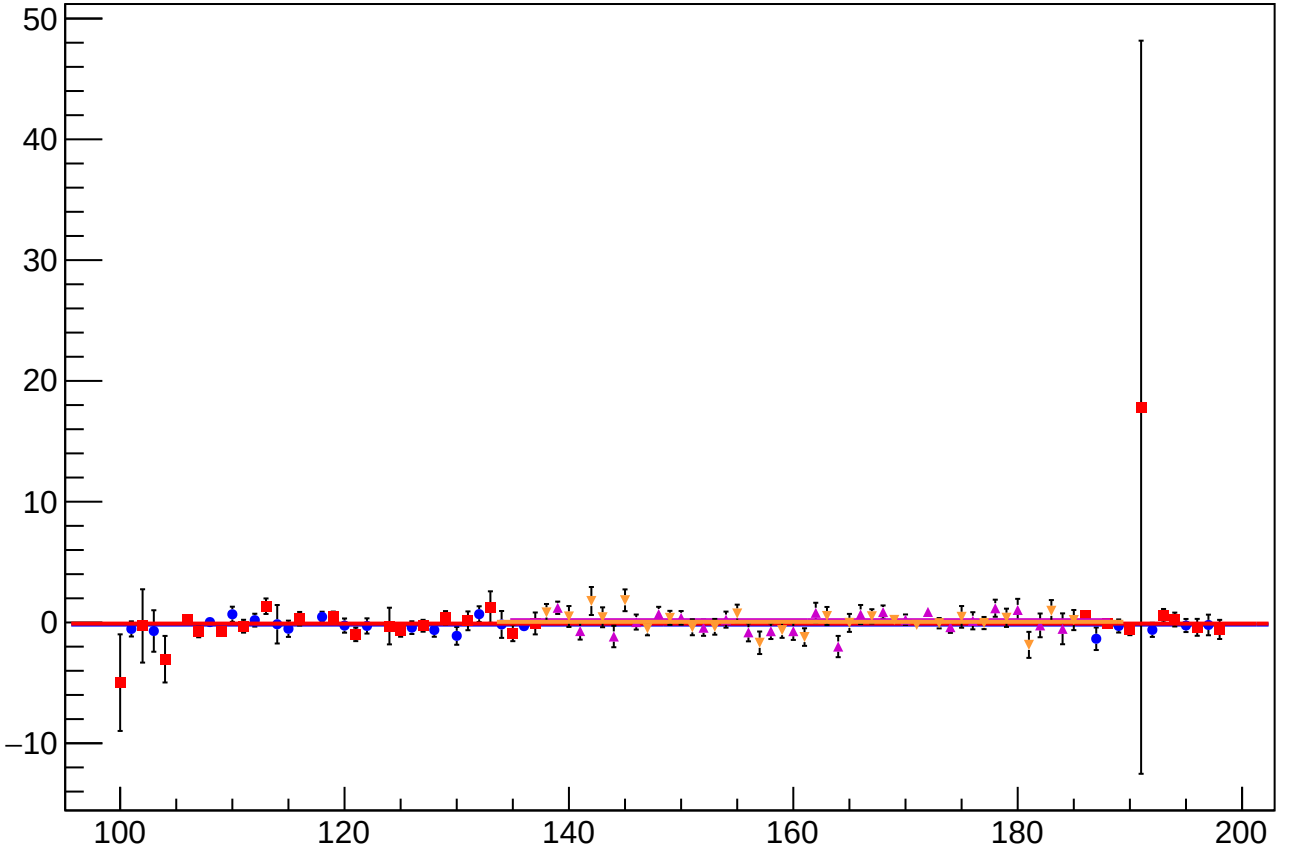
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

\+ sign 462.474+/-0.065 χ^2/NDF: 6086375.6/45

All: 426.219+/-0.043 χ^2/NDF: 16942035.3/95

\- sign 397.768+/-0.057 χ^2/NDF: 10294301.4/49

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.093+/-0.102 χ^2/NDF: 31.4/26

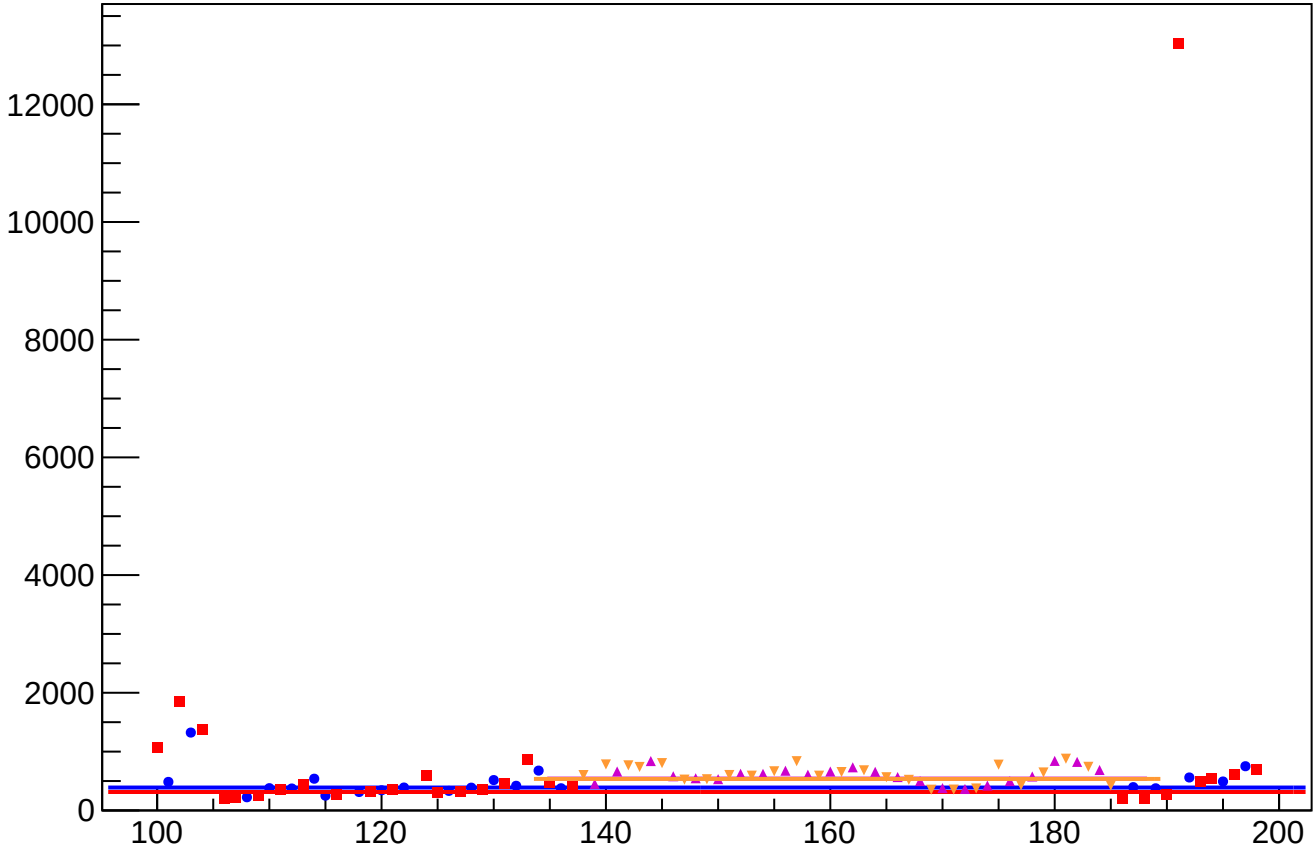
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.061+/-0.091 χ^2/NDF: 38.4/45

All: -0.020+/-0.061 χ^2/NDF: 104.1/95

- sign 0.012+/-0.081 χ^2/NDF: 65.4/49

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 389.480+/-0.091 χ^2/NDF: 2053351.2/20

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724753.0/26

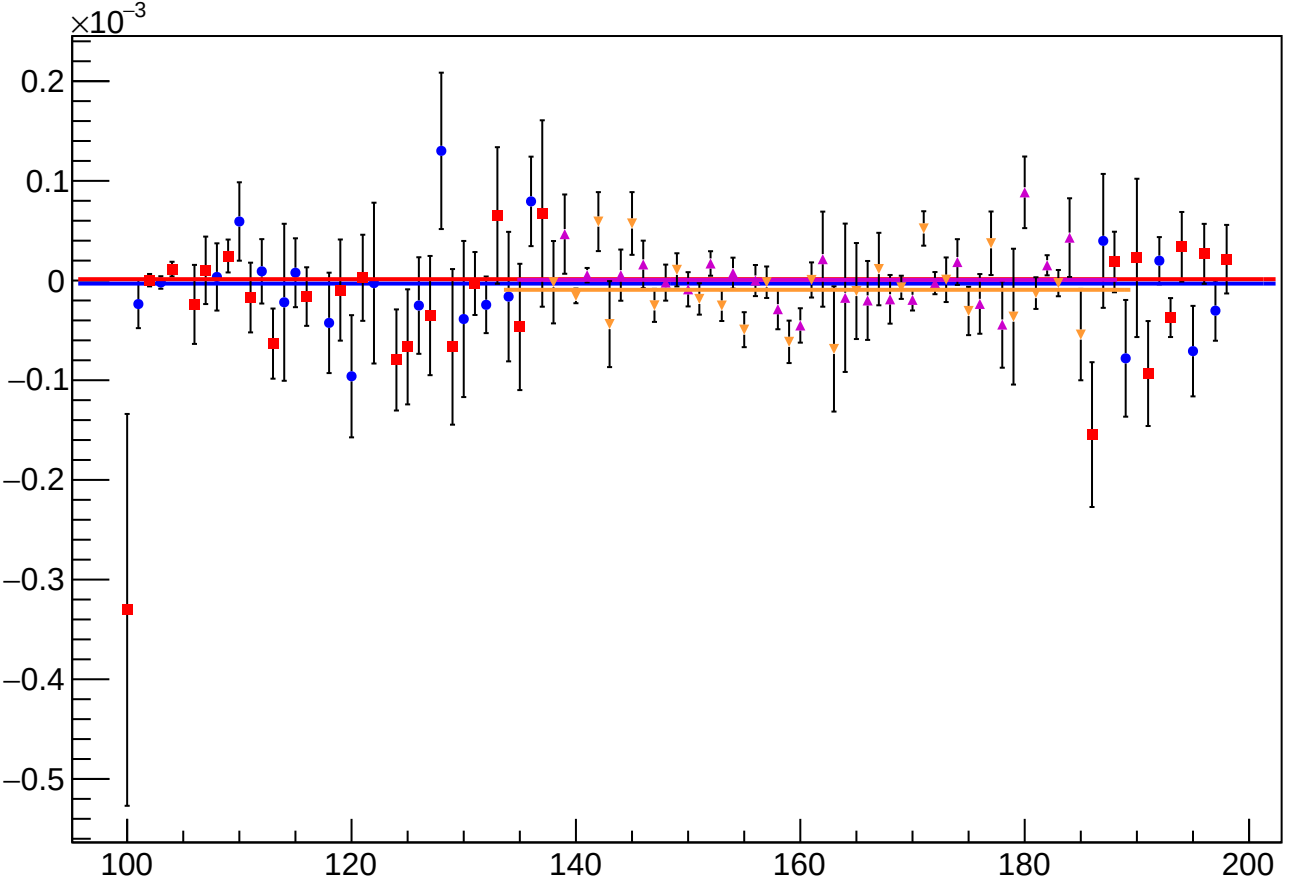
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 462.474+/-0.065 χ^2/NDF: 6086375.6/45

All: 426.219+/-0.043 χ^2/NDF: 16942035.3/95

- sign 397.768+/-0.057 χ^2/NDF: 10294301.4/49

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/26

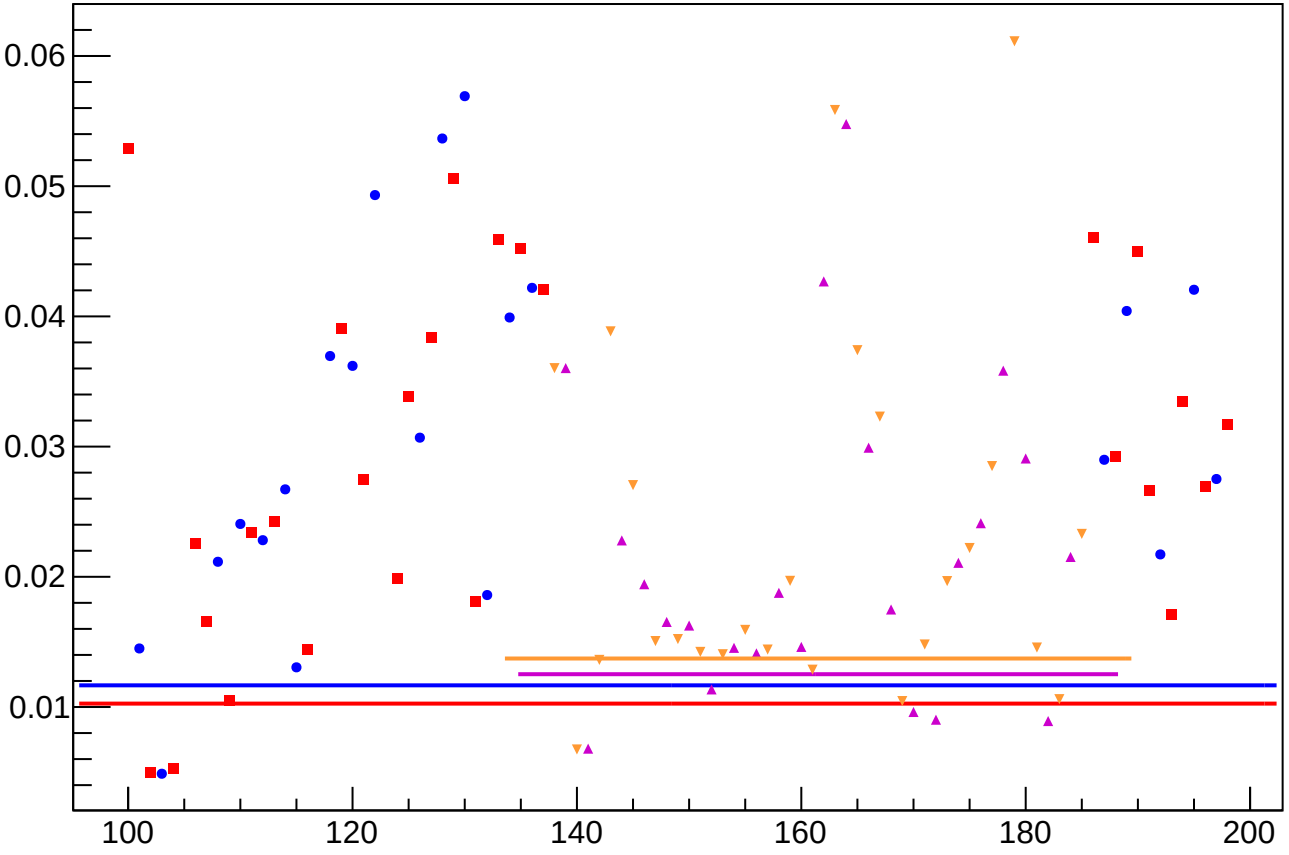
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.0/45

All: -0.000+/-0.000 χ^2/NDF: 132.7/95

- sign 0.000+/-0.000 χ^2/NDF: 62.4/49

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 9702868.2/20

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 11556108.4/26

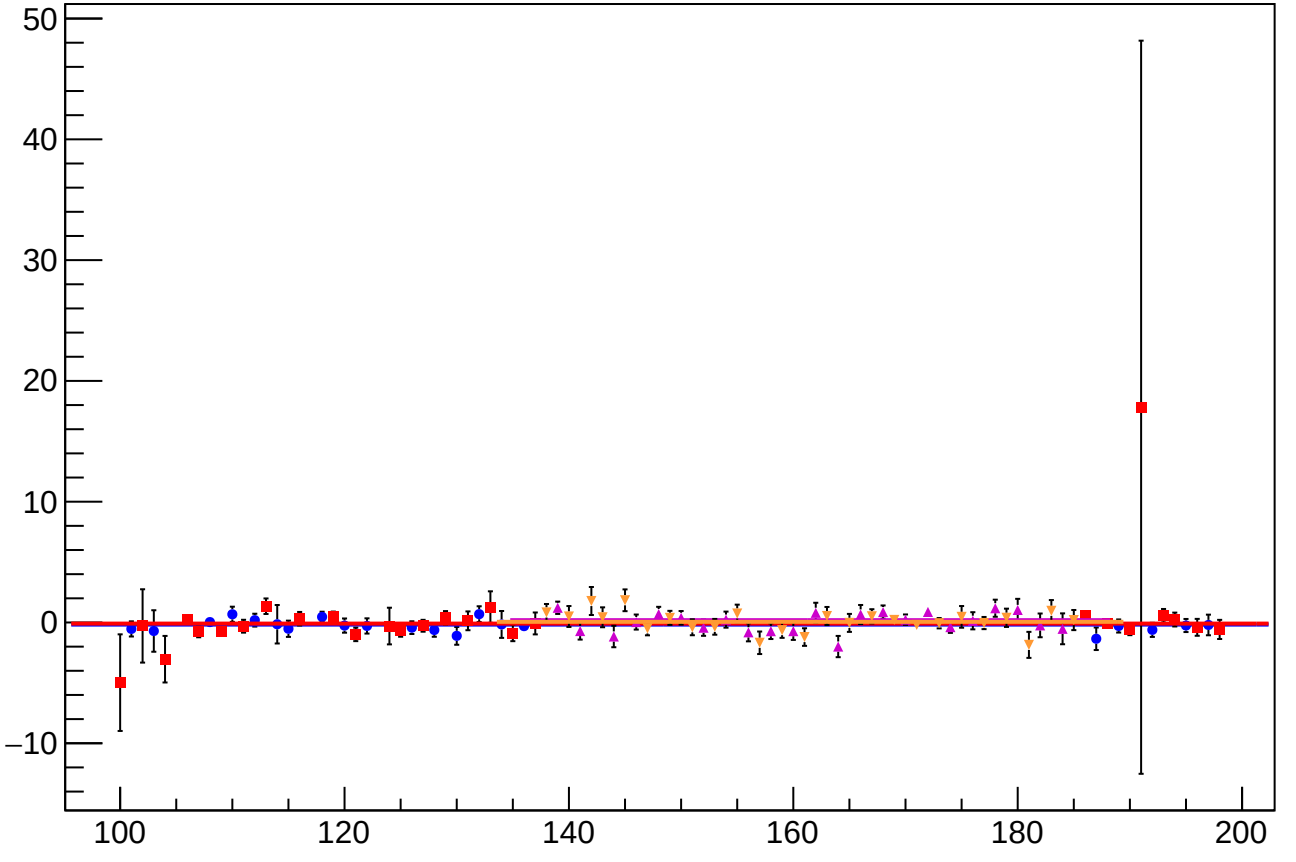
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 17636467.5/45

All: 0.012+/-0.000 χ^2/NDF: 36970470.7/95

- sign 0.012+/-0.000 χ^2/NDF: 19046593.3/49

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.093+/-0.102 χ^2/NDF: 31.4/26

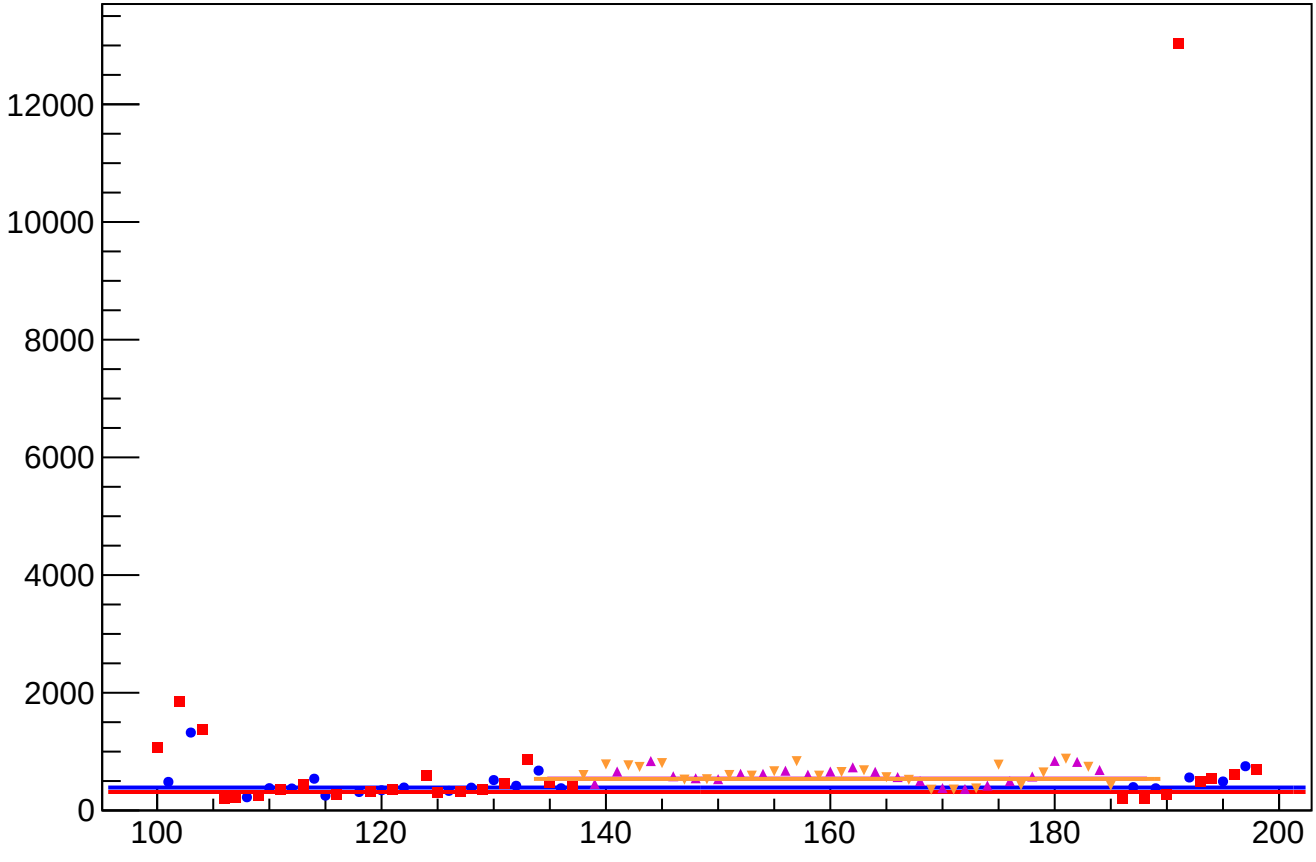
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.061+/-0.091 χ^2/NDF: 38.4/45

All: -0.020+/-0.061 χ^2/NDF: 104.1/95

- sign 0.012+/-0.081 χ^2/NDF: 65.4/49

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 389.476+/-0.091 χ^2/NDF: 2053355.9/20

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724704.2/26

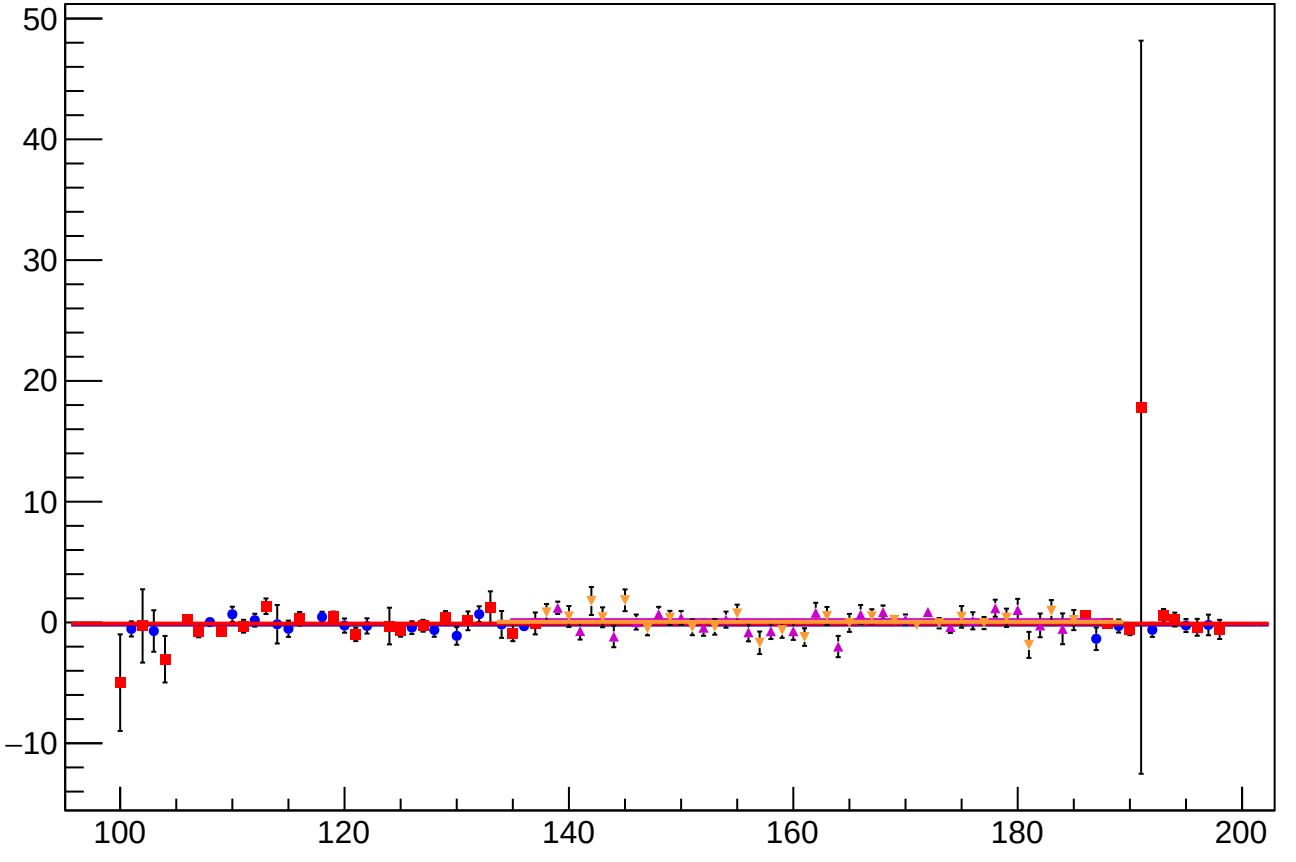
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 462.473+/-0.065 χ^2/NDF: 6086610.8/45

All: 426.219+/-0.043 χ^2/NDF: 16942348.9/95

- sign 397.769+/-0.057 χ^2/NDF: 10294412.0/49

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.093+/-0.102 χ^2/NDF: 31.4/26

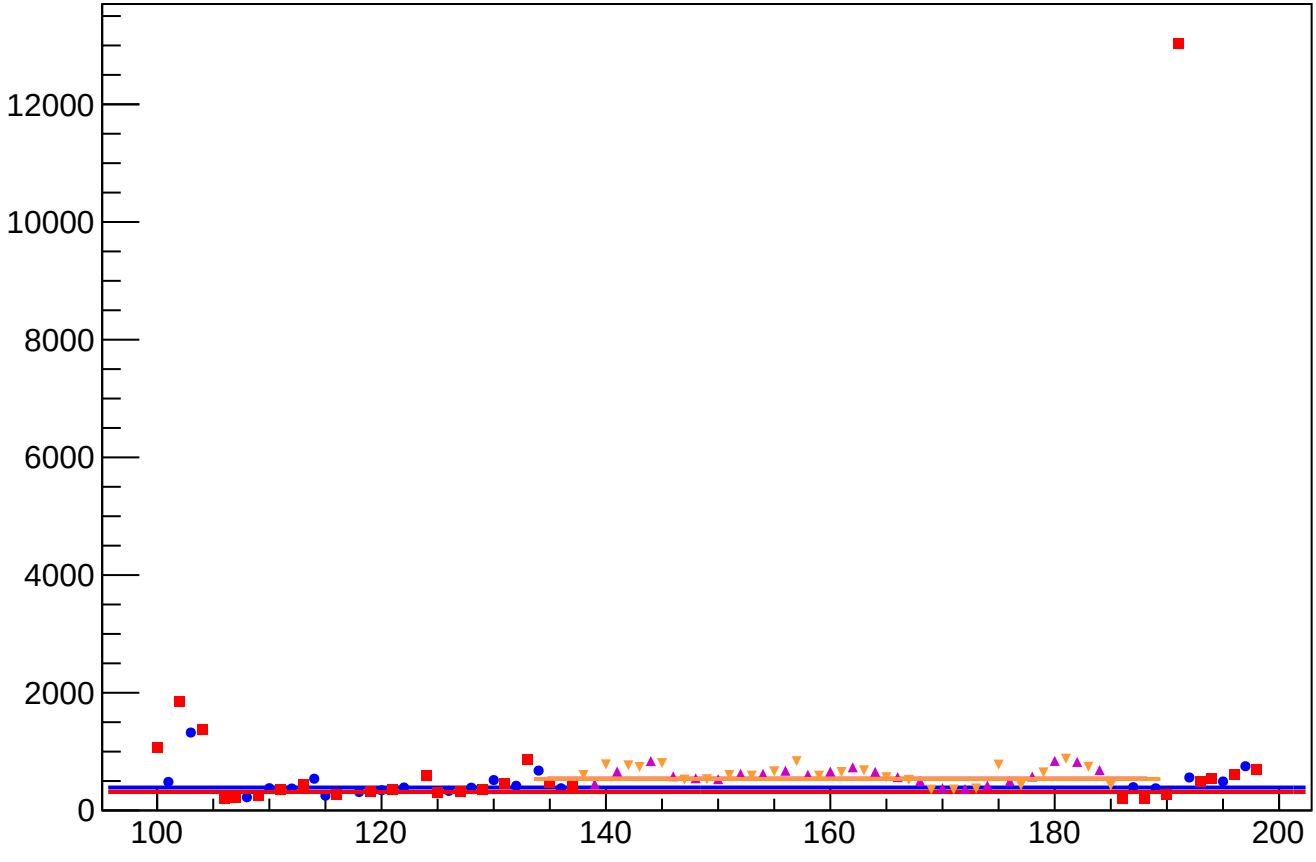
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.061+/-0.091 χ^2/NDF: 38.4/45

All: -0.020+/-0.061 χ^2/NDF: 104.1/95

- sign 0.012+/-0.081 χ^2/NDF: 65.4/49

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 389.476+/-0.091 χ^2/NDF: 2053355.9/20

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724704.2/26

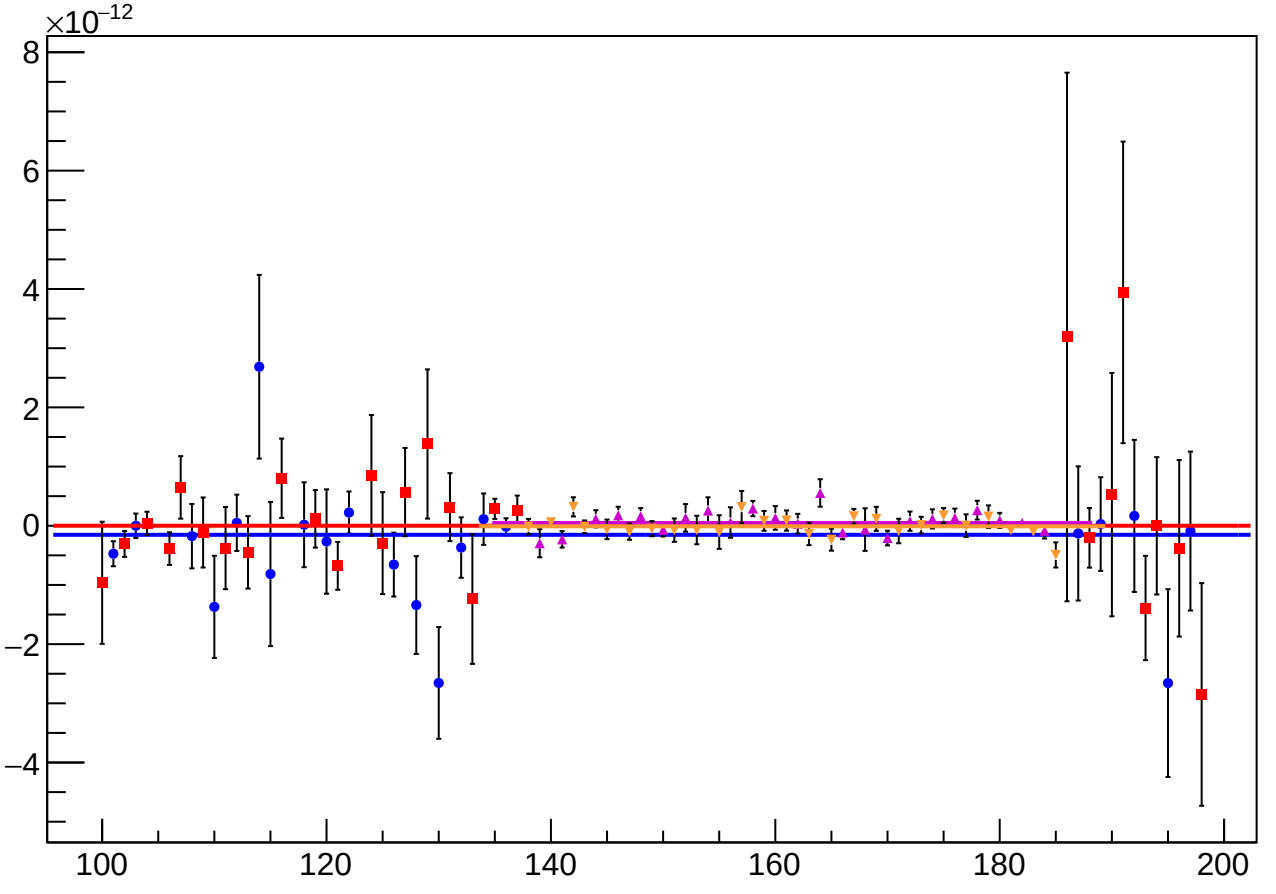
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 462.473+/-0.065 χ^2/NDF: 6086610.8/45

All: 426.219+/-0.043 χ^2/NDF: 16942348.9/95

- sign 397.769+/-0.057 χ^2/NDF: 10294412.0/49

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

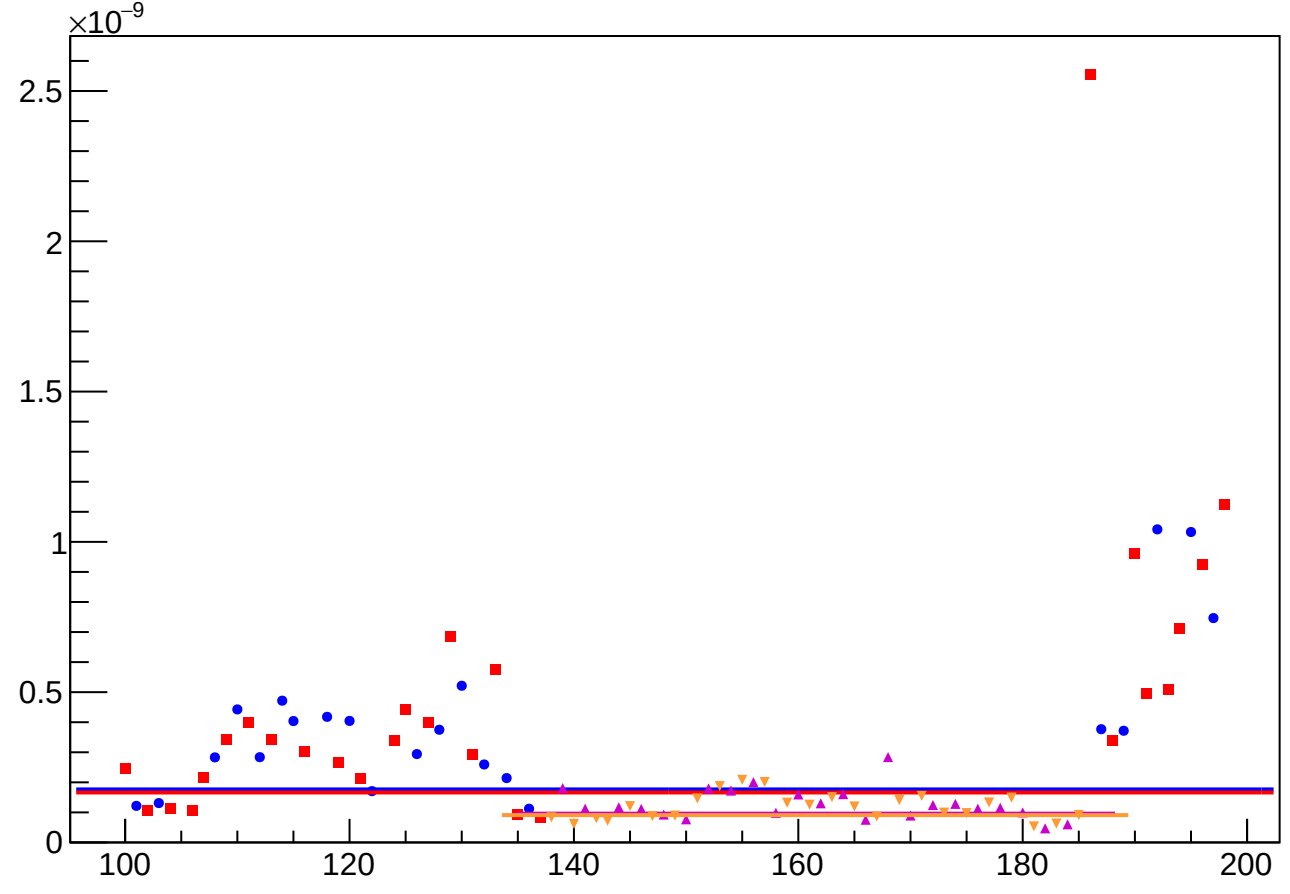
Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/26

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.5/45

All: 0.000+/-0.000 χ^2/NDF: 107.2/95

- sign 0.000+/-0.000 χ^2/NDF: 55.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 4087721.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5851886.3/26

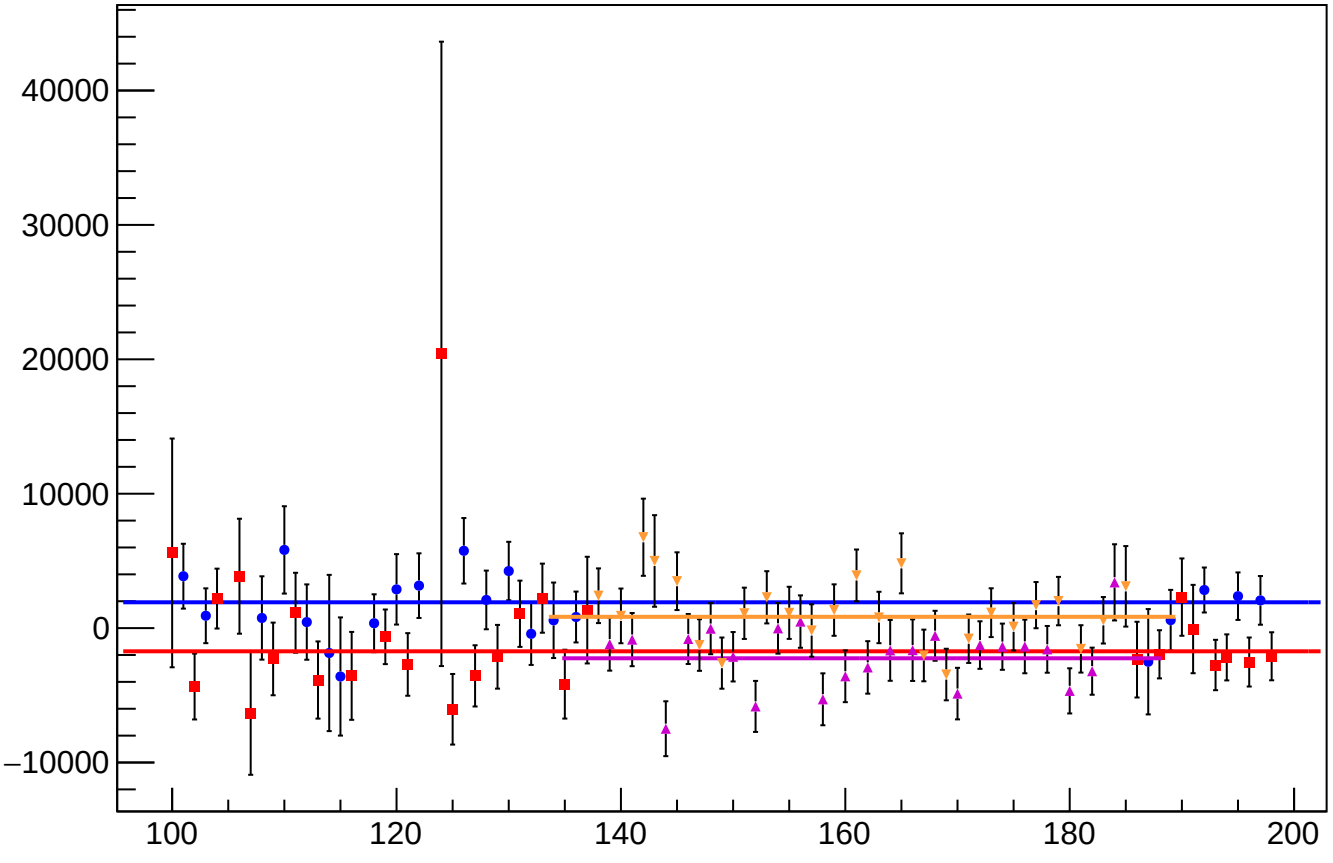
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9246447.4/45

All: 0.000+/-0.000 χ^2/NDF: 20362192.0/95

- sign 0.000+/-0.000 χ^2/NDF: 11083515.0/49

reg_asym_atl_avg_mean vs Slug



Right In: 1921.235+/-514.257 χ^2/NDF: 12.9/20

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1725.197+/-481.386 χ^2/NDF: 22.3/26

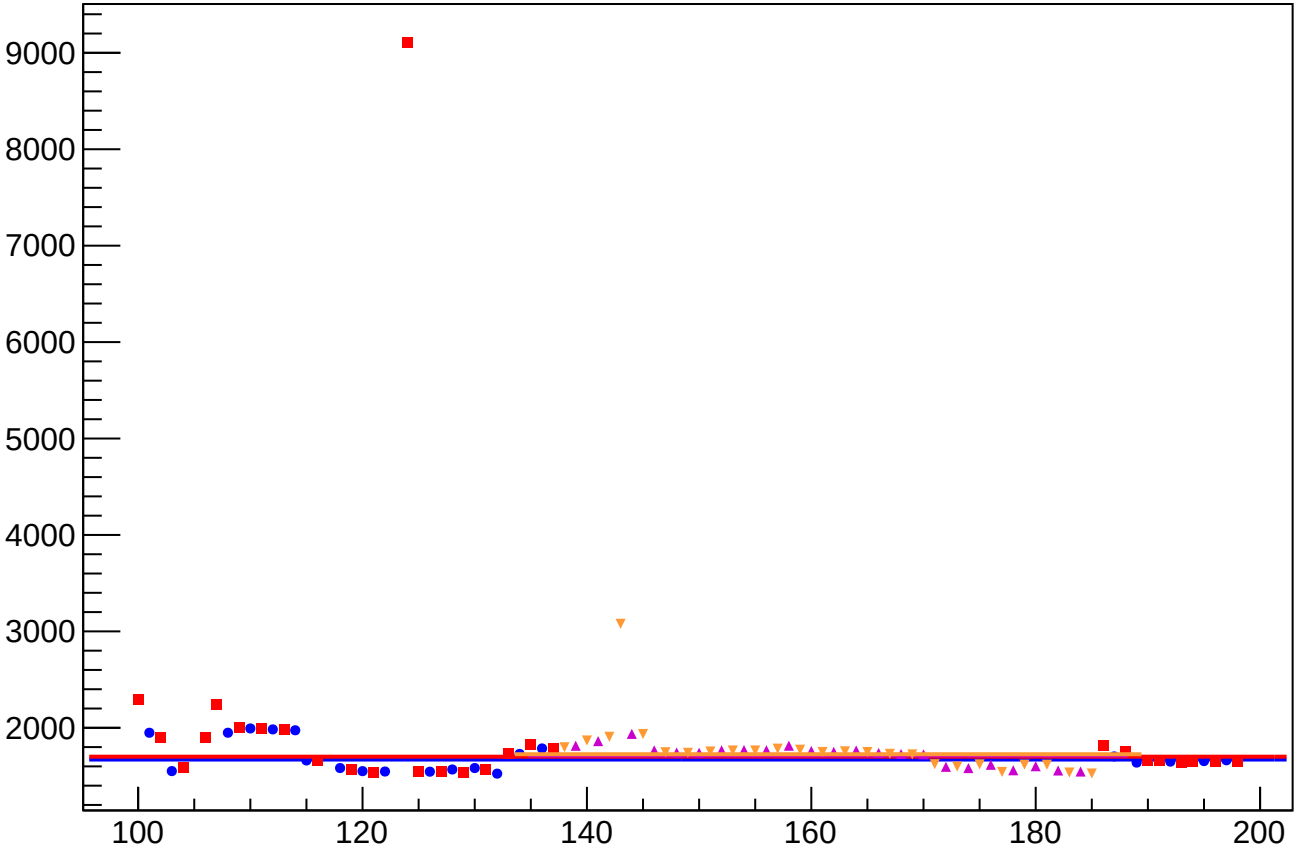
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1241.482+/-312.980 χ^2/NDF: 46.0/45

All: -421.668+/-219.526 χ^2/NDF: 154.0/95

- sign -2032.242+/-307.994 χ^2/NDF: 52.4/49

reg_asym_atl_avg_rms vs Slug



Right In: 1670.969+/-0.364 χ^2/NDF: 142831.3/20

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1700.520+/-0.339 χ^2/NDF: 397287.8/26

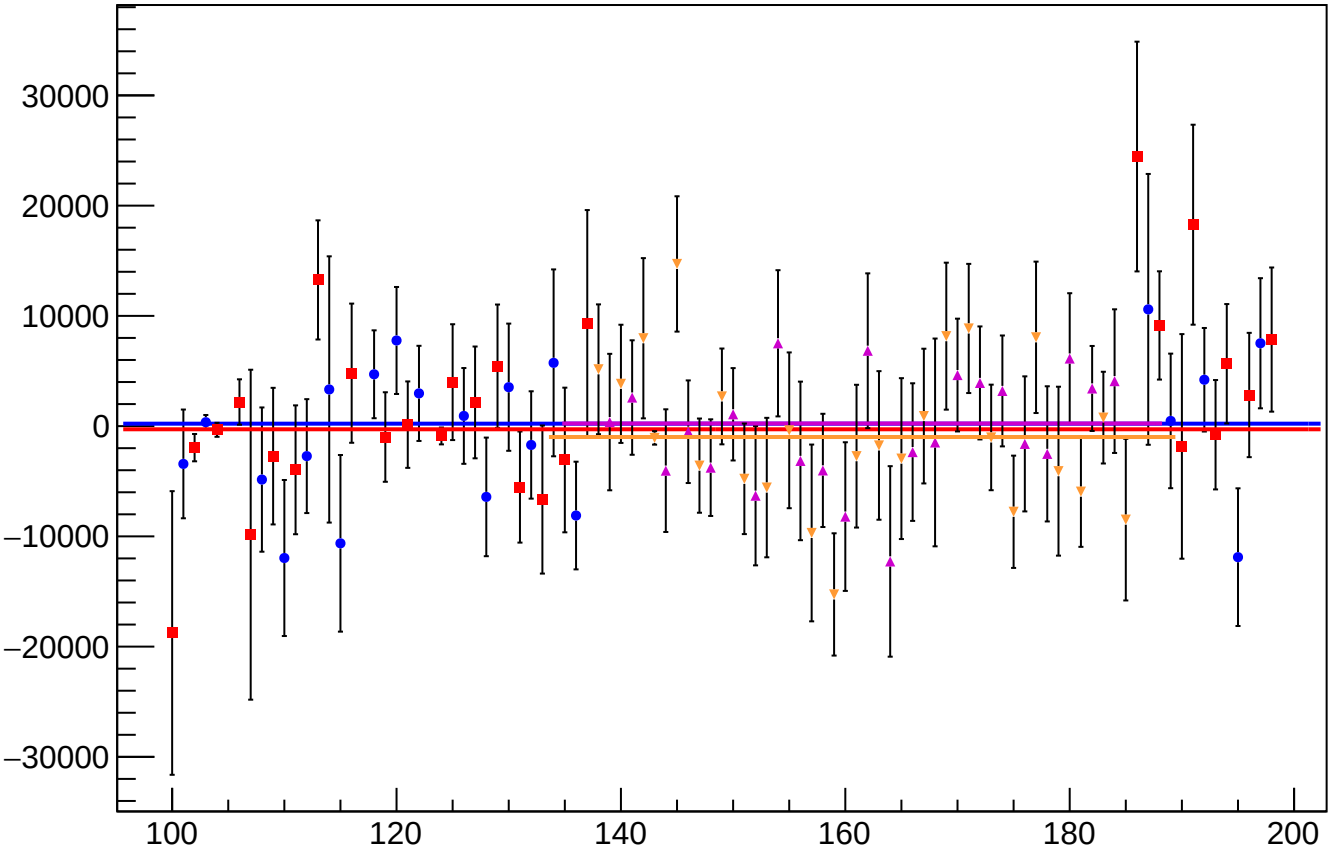
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1705.653+/-0.221 χ^2/NDF: 612212.2/45

All: 1706.830+/-0.155 χ^2/NDF: 1139662.7/95

- sign 1707.967+/-0.218 χ^2/NDF: 527394.9/49

asym_atl_avg_reg_correction_mean vs Slug



Right In: 222.522+/-578.285 χ^2/NDF: 22.6/20

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -286.548+/-417.245 χ^2/NDF: 35.4/26

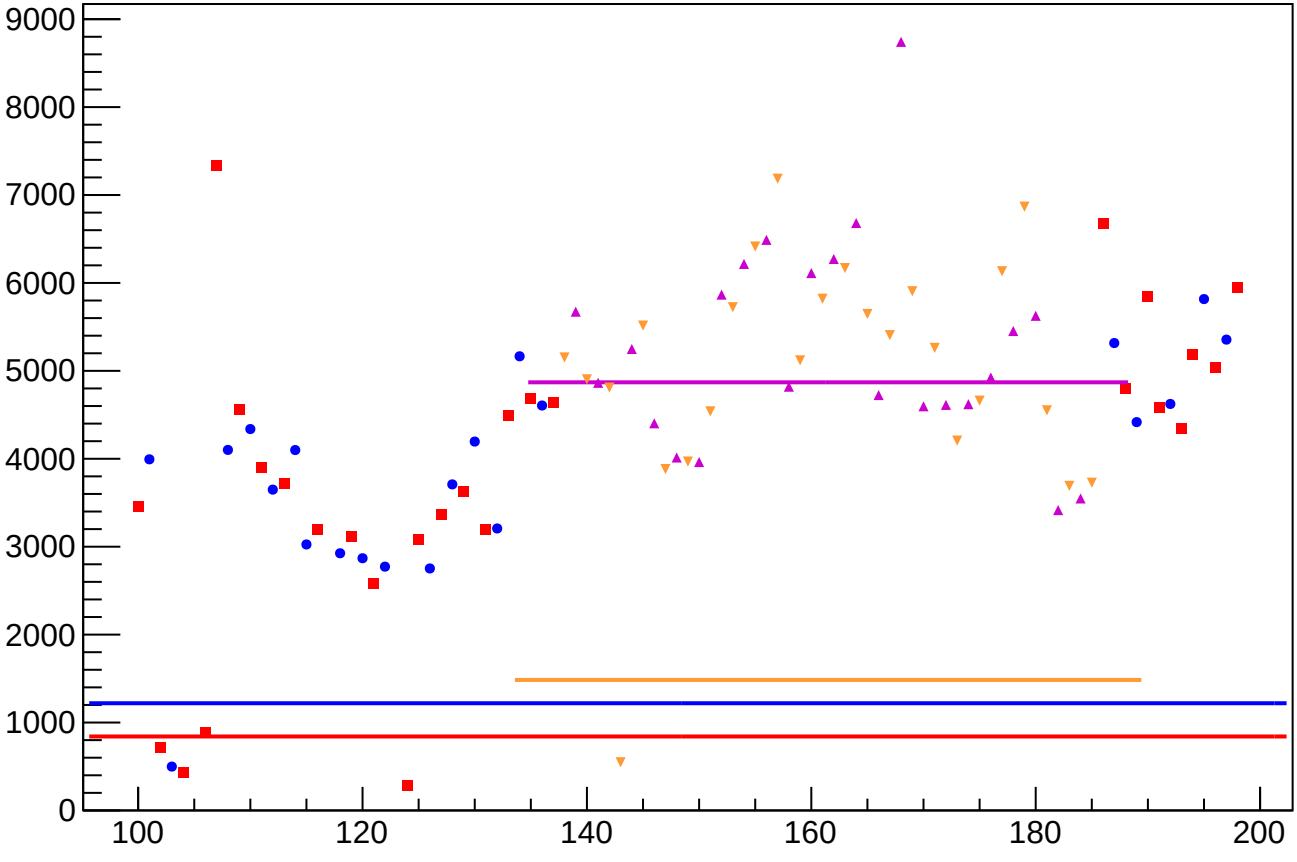
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -422.538+/-395.166 χ^2/NDF: 55.7/45

All: -324.053+/-278.589 χ^2/NDF: 105.0/95

- sign -226.738+/-392.813 χ^2/NDF: 49.2/49

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1219.489+/-0.409 χ^2/NDF: 12177594.4/20

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

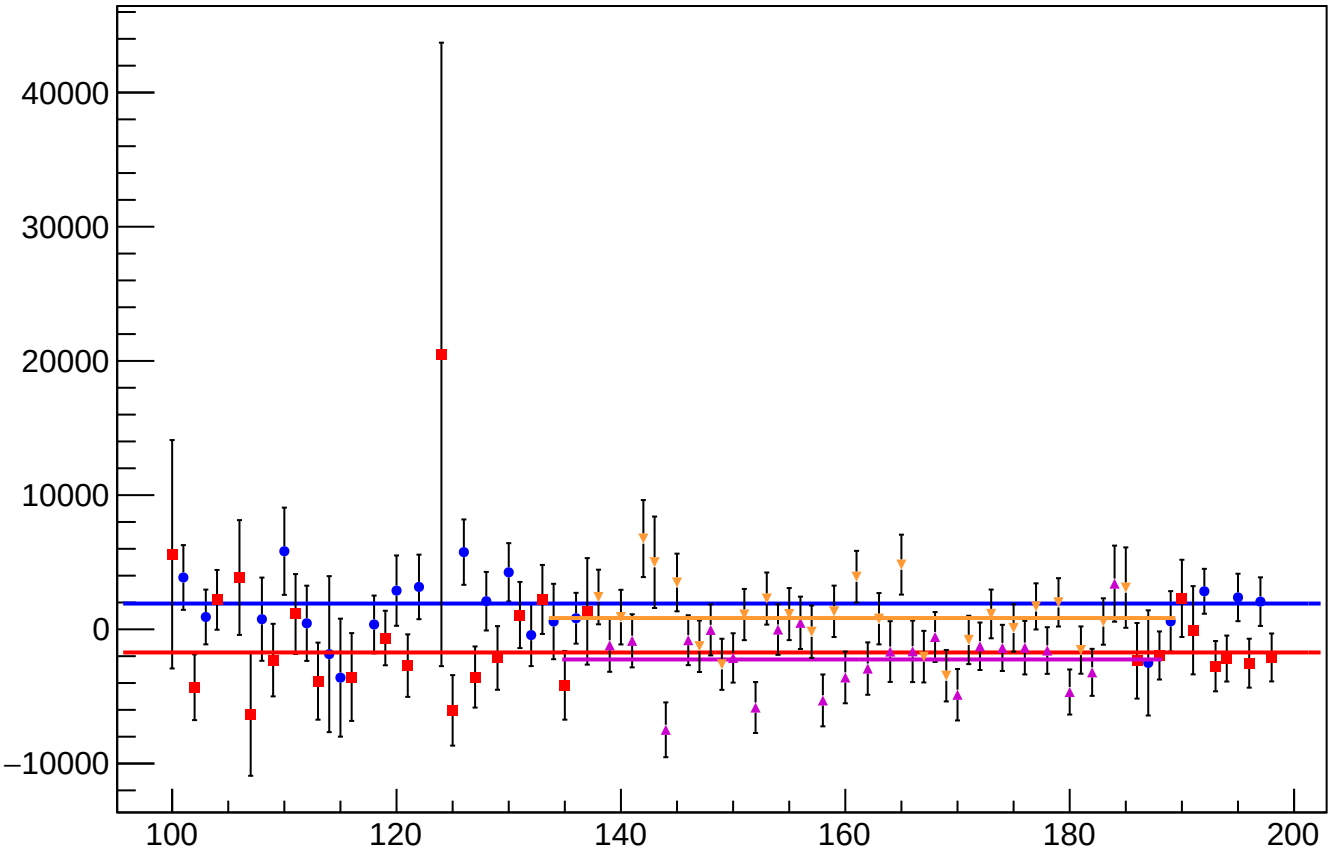
Right Out: 841.350+/-0.295 χ^2/NDF: 16257432.9/26

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1360.785+/-0.279 χ^2/NDF: 35626539.3/45

All: 1329.857+/-0.197 χ^2/NDF: 74575422.6/9

- sign 1299.295+/-0.278 χ^2/NDF: 38924525.9/49



Right In: 1921.318+/-514.257 χ^2/NDF: 12.9/20

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1723.823+/-481.388 χ^2/NDF: 22.3/26

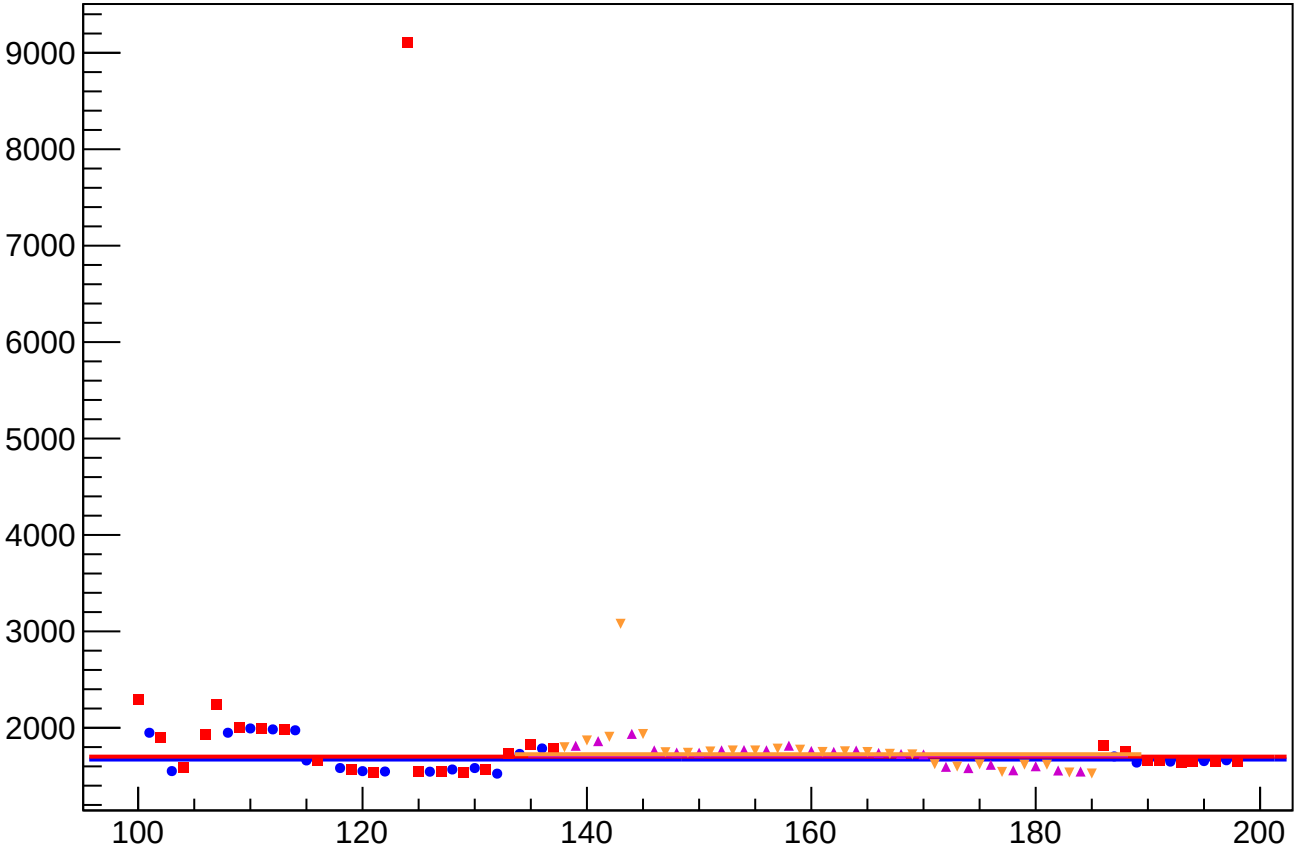
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1241.508+/-312.980 χ^2/NDF: 46.0/45

All: -421.373+/-219.526 χ^2/NDF: 154.0/95

- sign -2031.692+/-307.994 χ^2/NDF: 52.4/49

cor_asym_atl_avg_rms vs Slug



Right In: 1670.969+/-0.364 χ^2/NDF: 142831.4/20

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1700.980+/-0.340 χ^2/NDF: 399176.0/26

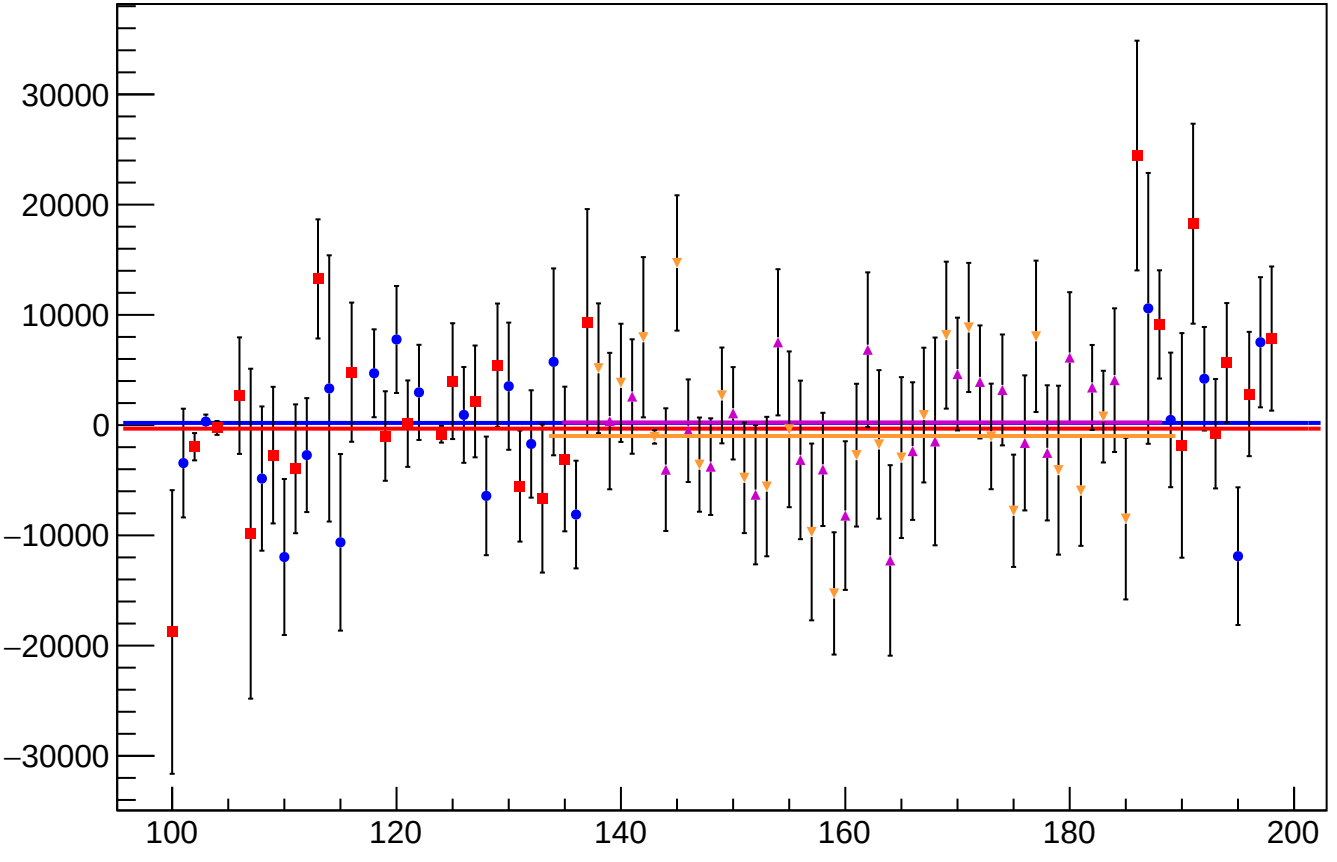
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1705.653+/-0.221 χ^2/NDF: 612212.3/45

All: 1706.927+/-0.155 χ^2/NDF: 1141501.8/95

- sign 1708.157+/-0.218 χ^2/NDF: 529224.4/49

asym_atl_avg_cor_correction_mean vs Slug



Right In: 199.594+/-566.828 χ^2/NDF: 22.5/20

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -319.202+/-422.774 χ^2/NDF: 34.2/26

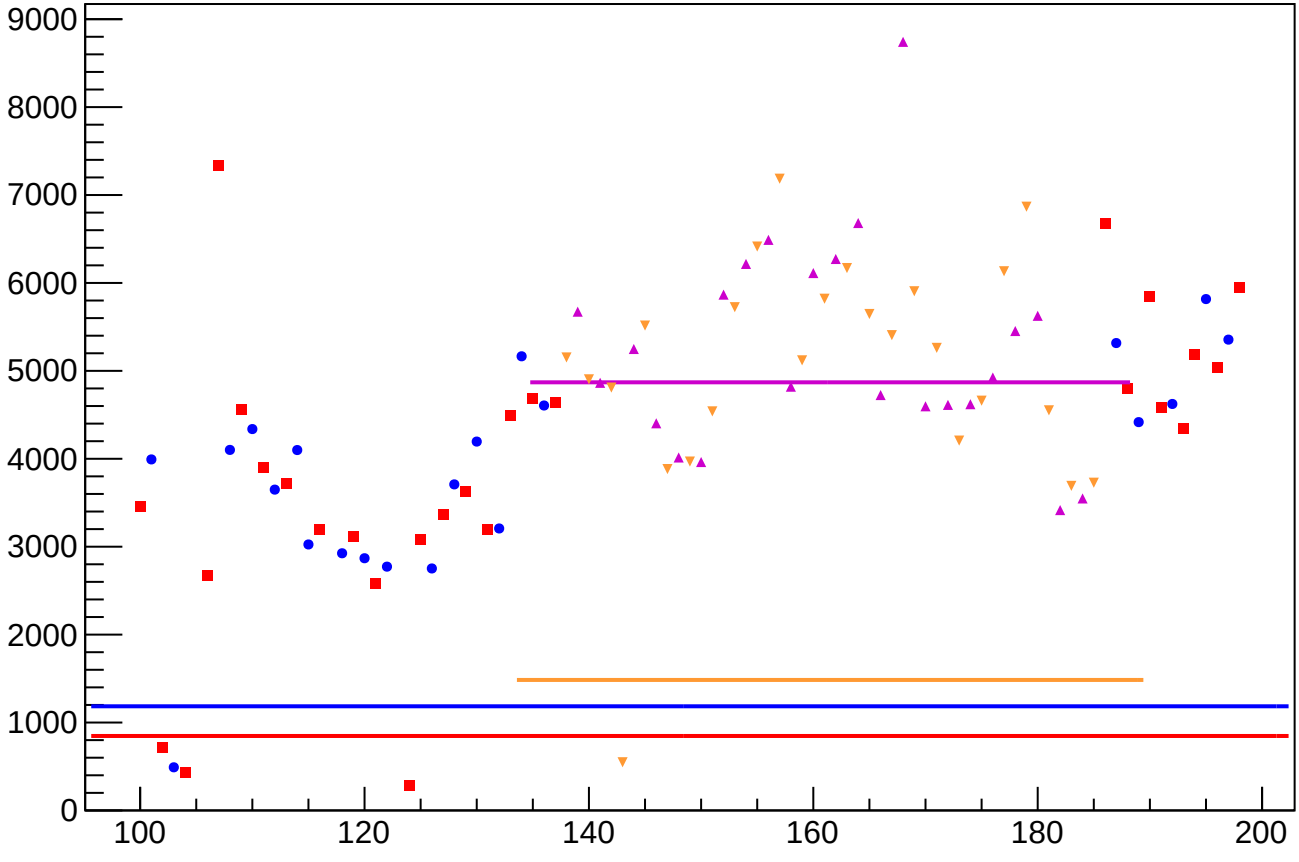
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -421.250+/-391.445 χ^2/NDF: 55.7/45

All: -338.986+/-278.881 χ^2/NDF: 103.7/95

- sign -254.194+/-397.416 χ^2/NDF: 47.9/49

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1184.788+/-0.401 χ^2/NDF: 12354834.3/20

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 847.122+/-0.299 χ^2/NDF: 16523123.0/26

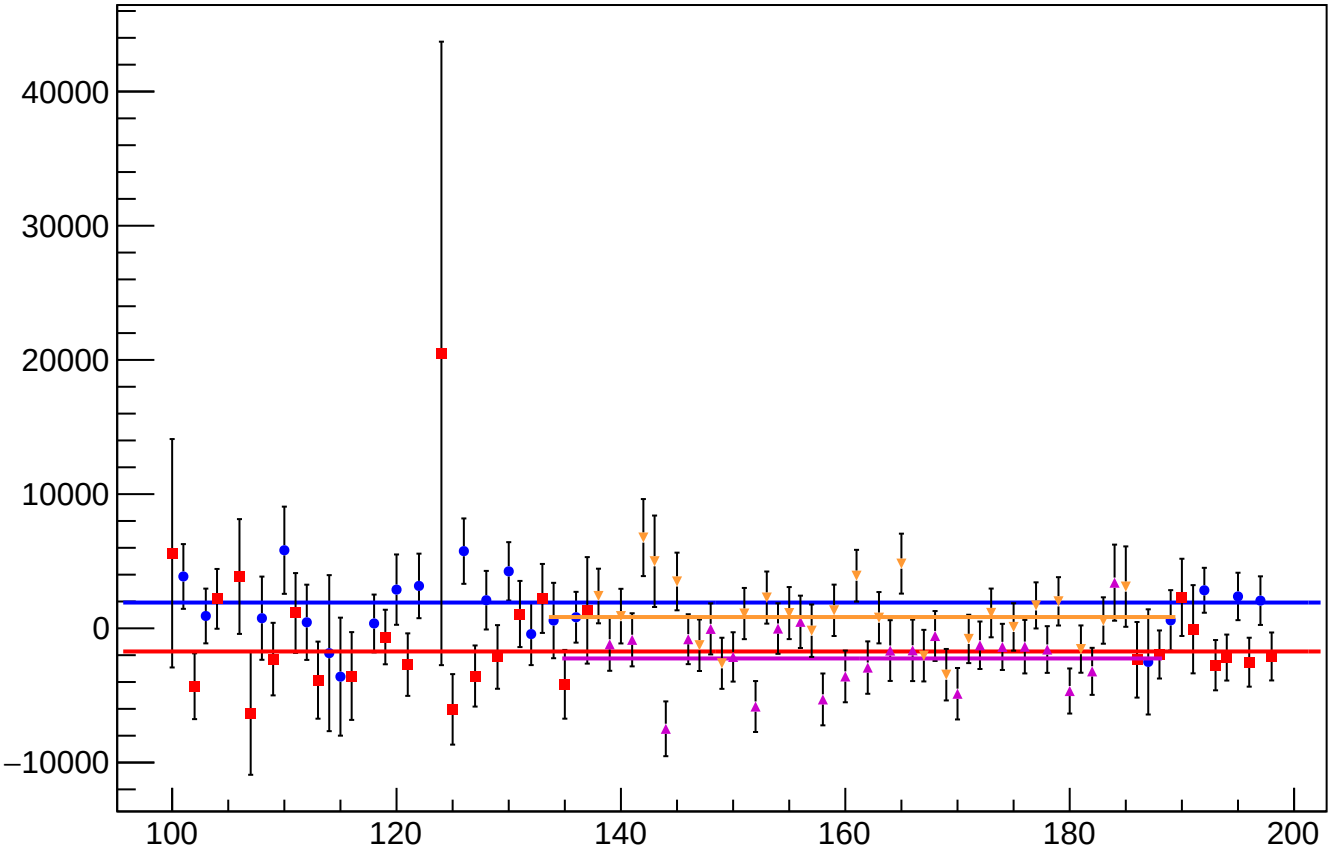
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1341.556+/-0.277 χ^2/NDF: 35872863.6/45

All: 1328.573+/-0.197 χ^2/NDF: 74942951.9/9

- sign 1315.192+/-0.281 χ^2/NDF: 39065621.0/49

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1921.318+/-514.257 χ^2/NDF: 12.9/20

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1723.823+/-481.388 χ^2/NDF: 22.3/26

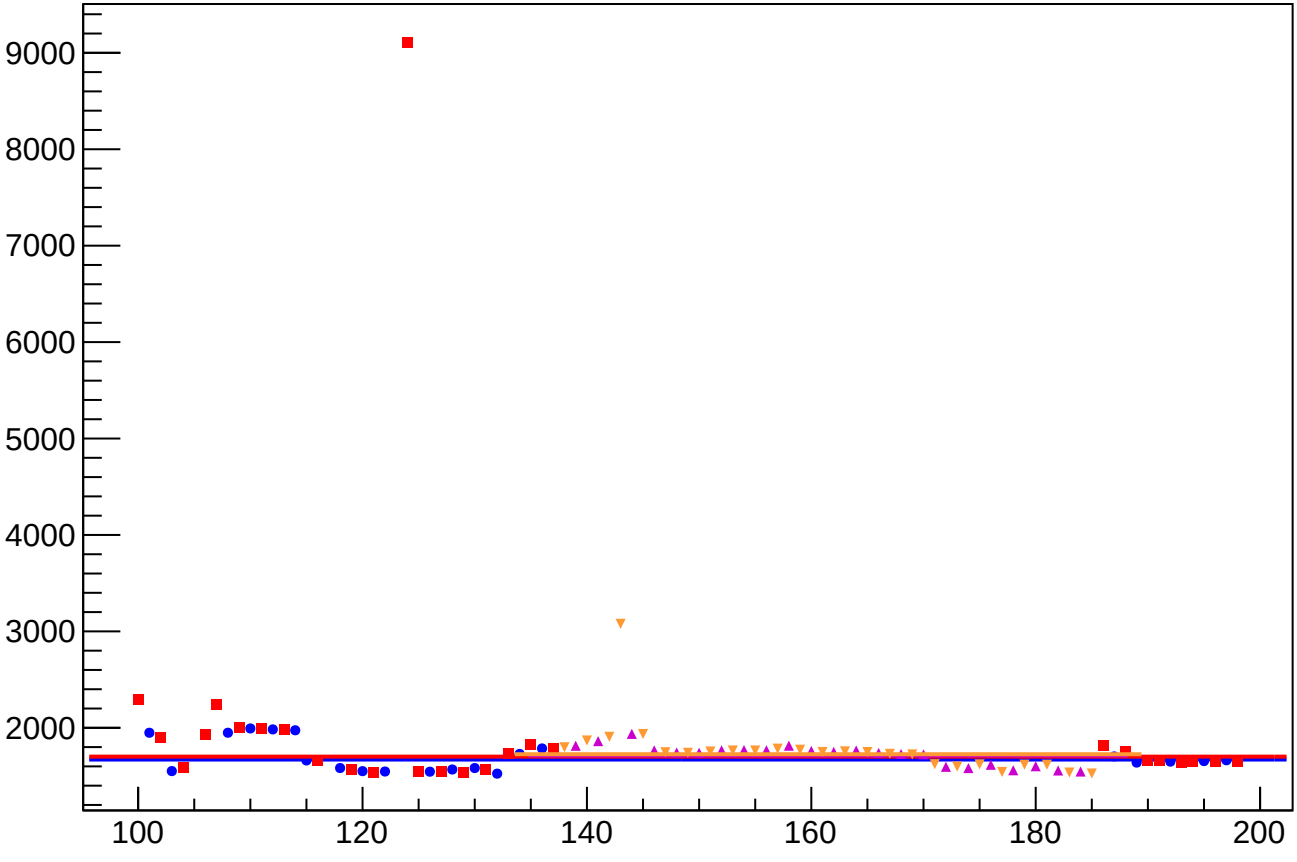
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1241.508+/-312.980 χ^2/NDF: 46.0/45

All: -421.373+/-219.526 χ^2/NDF: 154.0/95

- sign -2031.692+/-307.994 χ^2/NDF: 52.4/49

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1670.969+/-0.364 χ^2/NDF: 142831.4/20

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

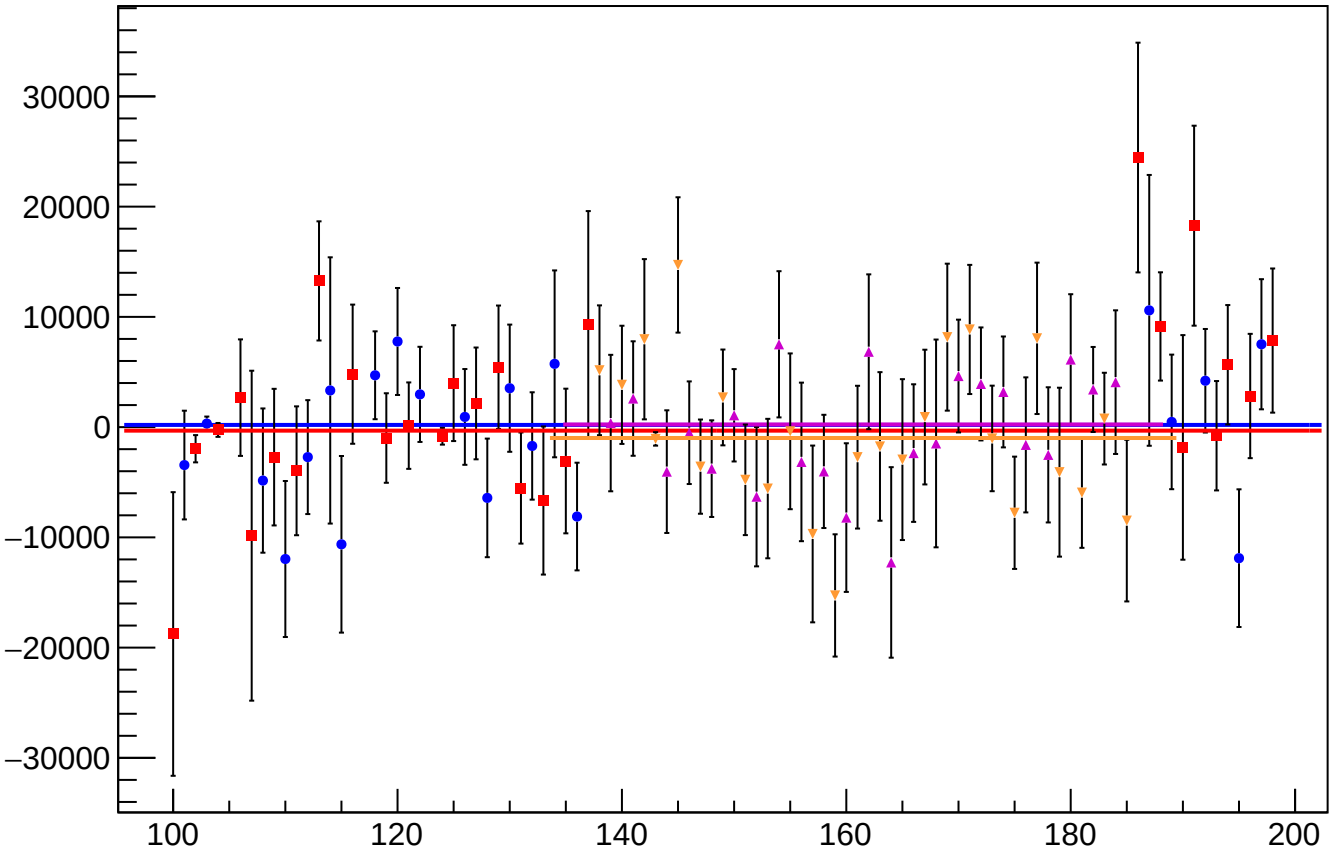
Right Out: 1700.980+/-0.340 χ^2/NDF: 399176.0/26

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1705.653+/-0.221 χ^2/NDF: 612212.3/45

All: 1706.927+/-0.155 χ^2/NDF: 1141501.8/95

- sign 1708.157+/-0.218 χ^2/NDF: 529224.4/49



Right In: 199.594+/-566.828 χ^2/NDF: 22.5/20

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

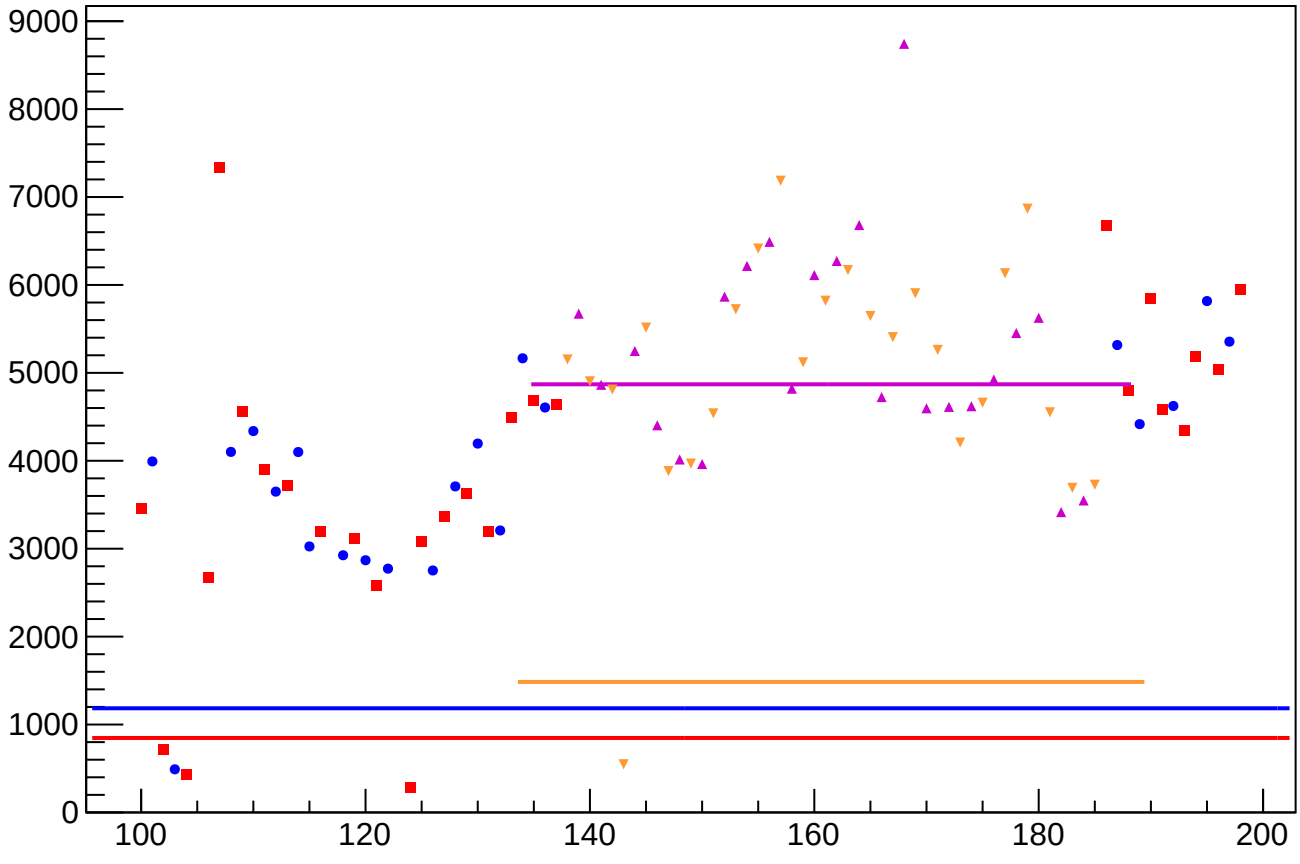
Right Out: -319.202+/-422.774 χ^2/NDF: 34.2/26

Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -421.250+/-391.445 χ^2/NDF: 55.7/45

All: -338.986+/-278.881 χ^2/NDF: 103.7/95

- sign -254.194+/-397.416 χ^2/NDF: 47.9/49



Right In: 1184.788+/-0.401 χ^2/NDF: 12354834.3/20

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

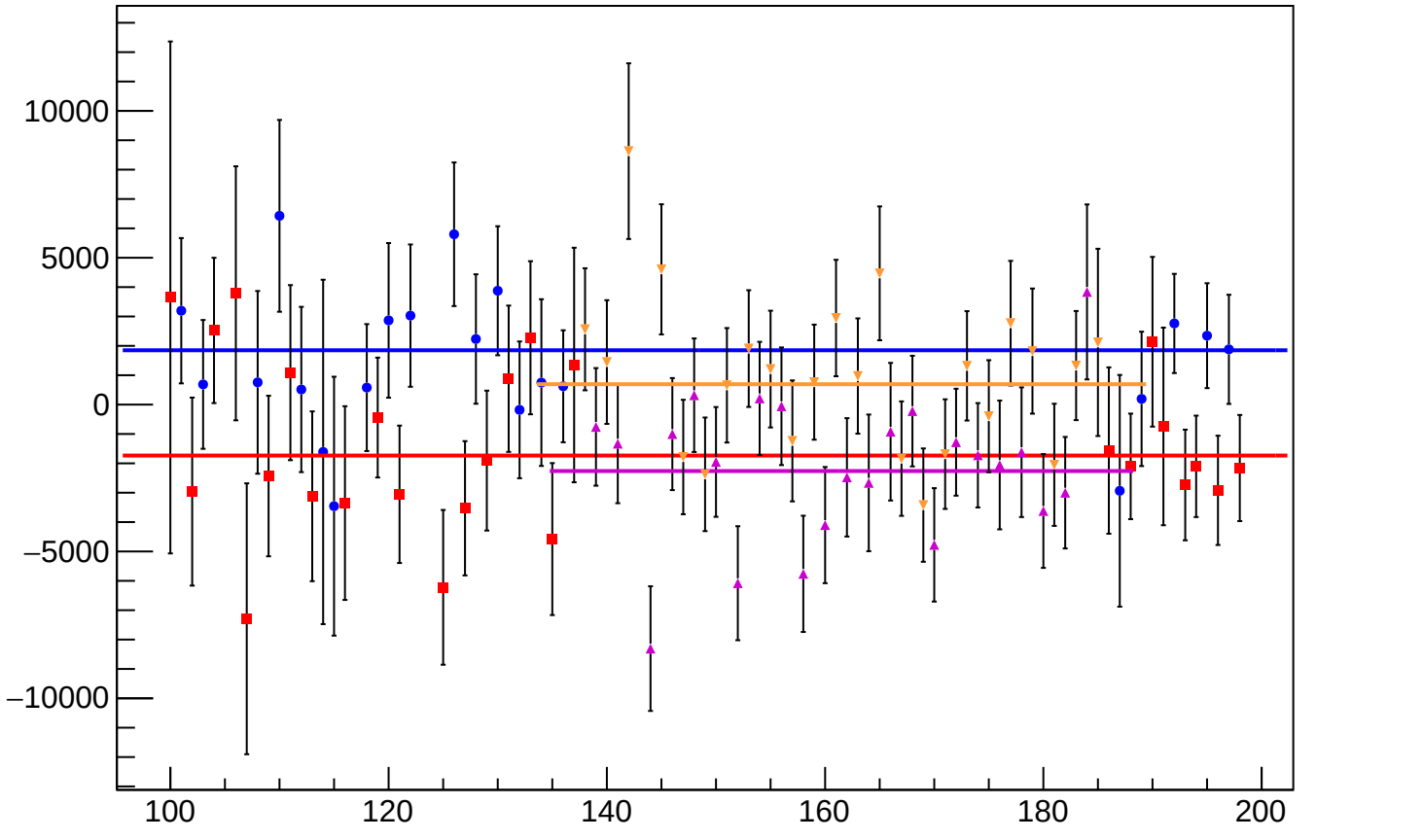
Right Out: 847.122+/-0.299 χ^2/NDF: 16523123.0/26

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1341.556+/-0.277 χ^2/NDF: 35872863.6/45

All: 1328.573+/-0.197 χ^2/NDF: 74942951.9/9

- sign 1315.192+/-0.281 χ^2/NDF: 39065621.0/49



Right In: 1849.892+/-521.429 χ^2/NDF: 12.6/20

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1734.389+/-491.268 χ^2/NDF: 20.2/25

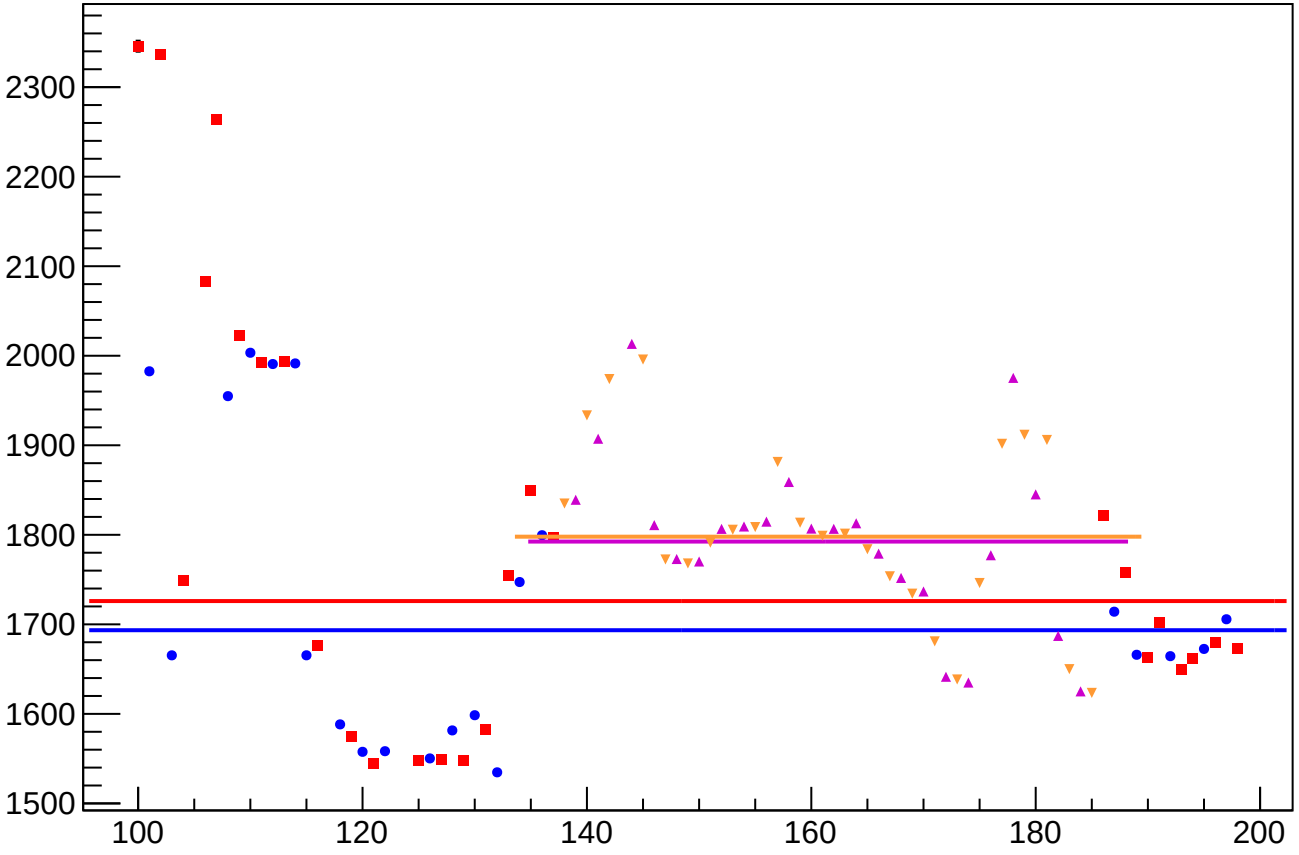
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1146.469+/-326.166 χ^2/NDF: 47.8/44

All: -482.562+/-228.012 χ^2/NDF: 147.9/93

- sign -2039.577+/-318.875 χ^2/NDF: 51.3/48

dit_asym_atl_avg_rms vs Slug



Right In: 1693.440+/-0.369 χ^2/NDF: 136947.6/20

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

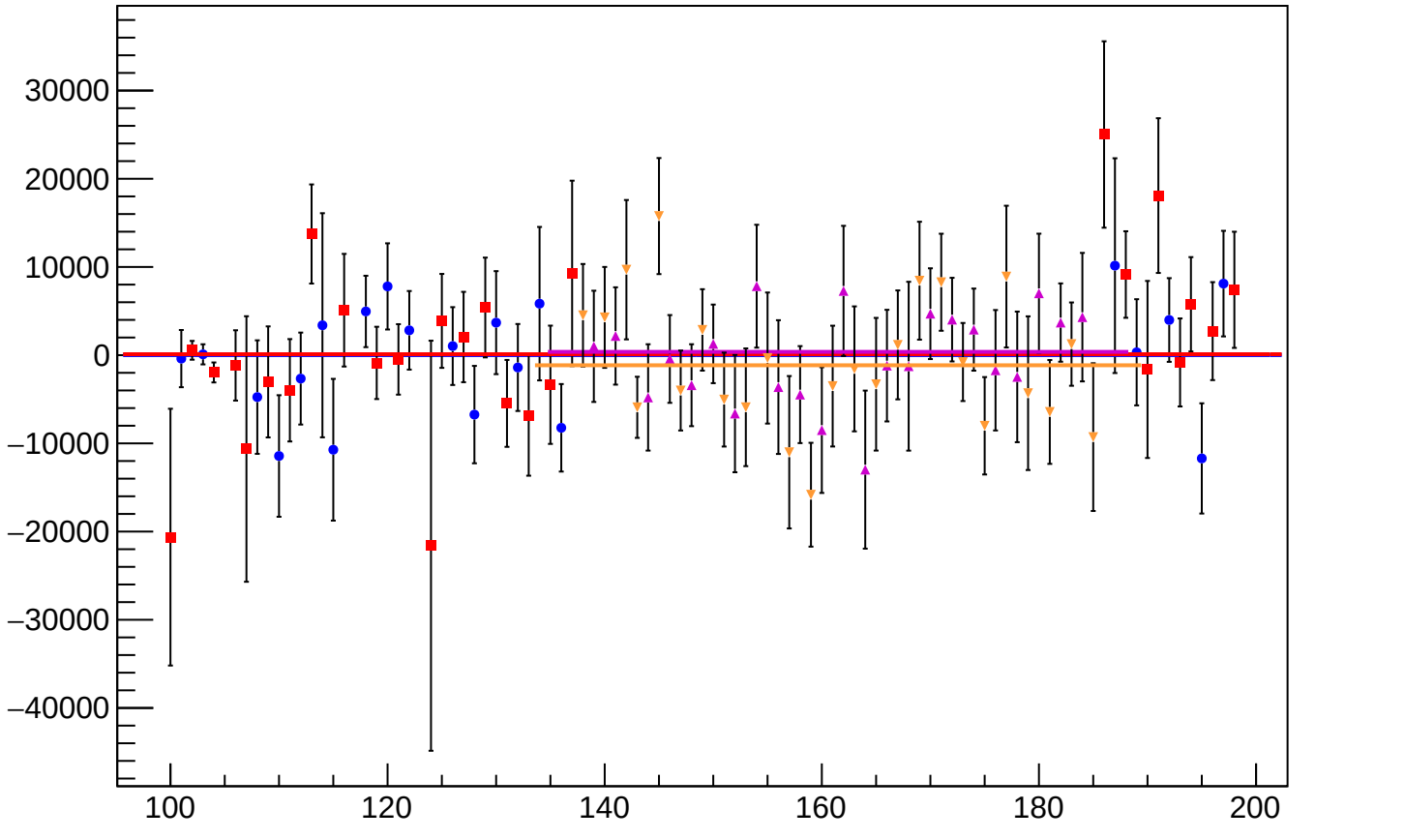
Right Out: 1726.006+/-0.347 χ^2/NDF: 264105.7/25

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1757.033+/-0.231 χ^2/NDF: 283818.8/44

All: 1760.810+/-0.161 χ^2/NDF: 662526.3/93

- sign 1764.416+/-0.225 χ^2/NDF: 378183.3/48



Right In: 9.948+/-827.420 χ^2/NDF: 21.9/20

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 107.408+/-649.289 χ^2/NDF: 35.0/26

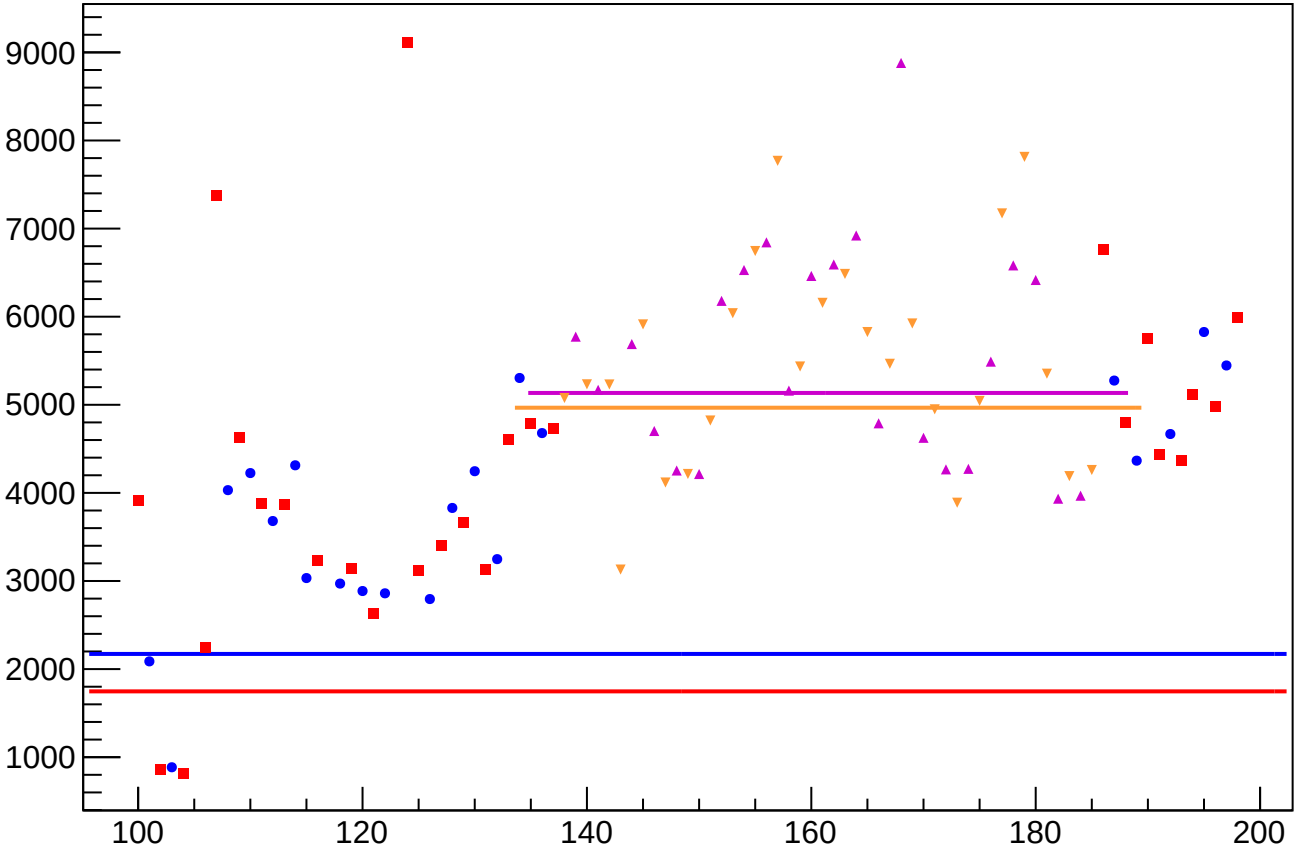
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -377.341+/-674.485 χ^2/NDF: 55.1/45

All: -62.364+/-437.162 χ^2/NDF: 103.7/95

\- sign 165.805+/-574.065 χ^2/NDF: 48.3/49

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2172.070+/-0.585 χ^2/NDF: 6871634.6/20

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1747.156+/-0.459 χ^2/NDF: 10966751.9/26

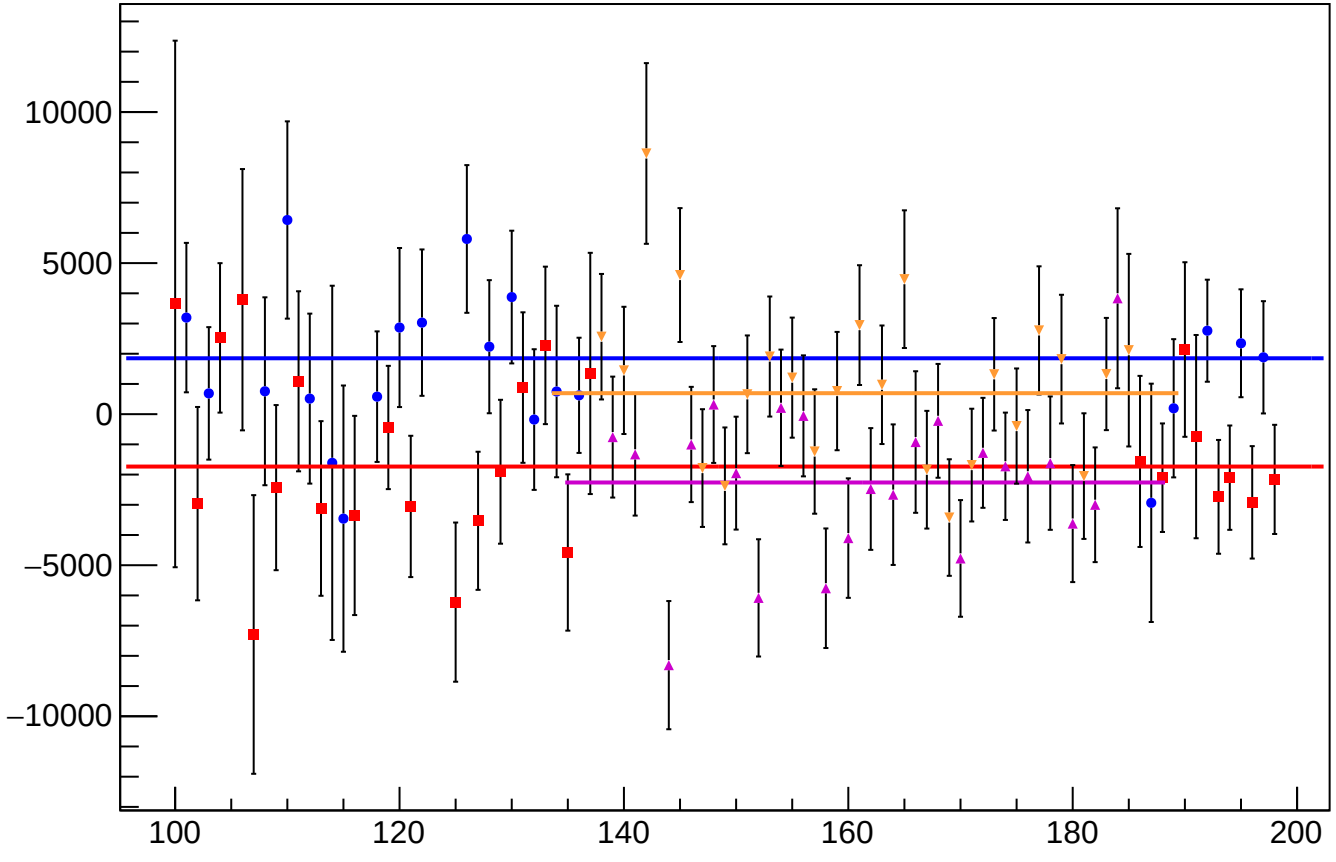
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3109.738+/-0.477 χ^2/NDF: 16445171.3/45

All: 2748.352+/-0.309 χ^2/NDF: 41771067.4/9

- sign 2486.564+/-0.406 χ^2/NDF: 24335824.2/49

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1849.888+/-521.428 χ^2/NDF: 12.6/20

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1734.386+/-491.268 χ^2/NDF: 20.2/25

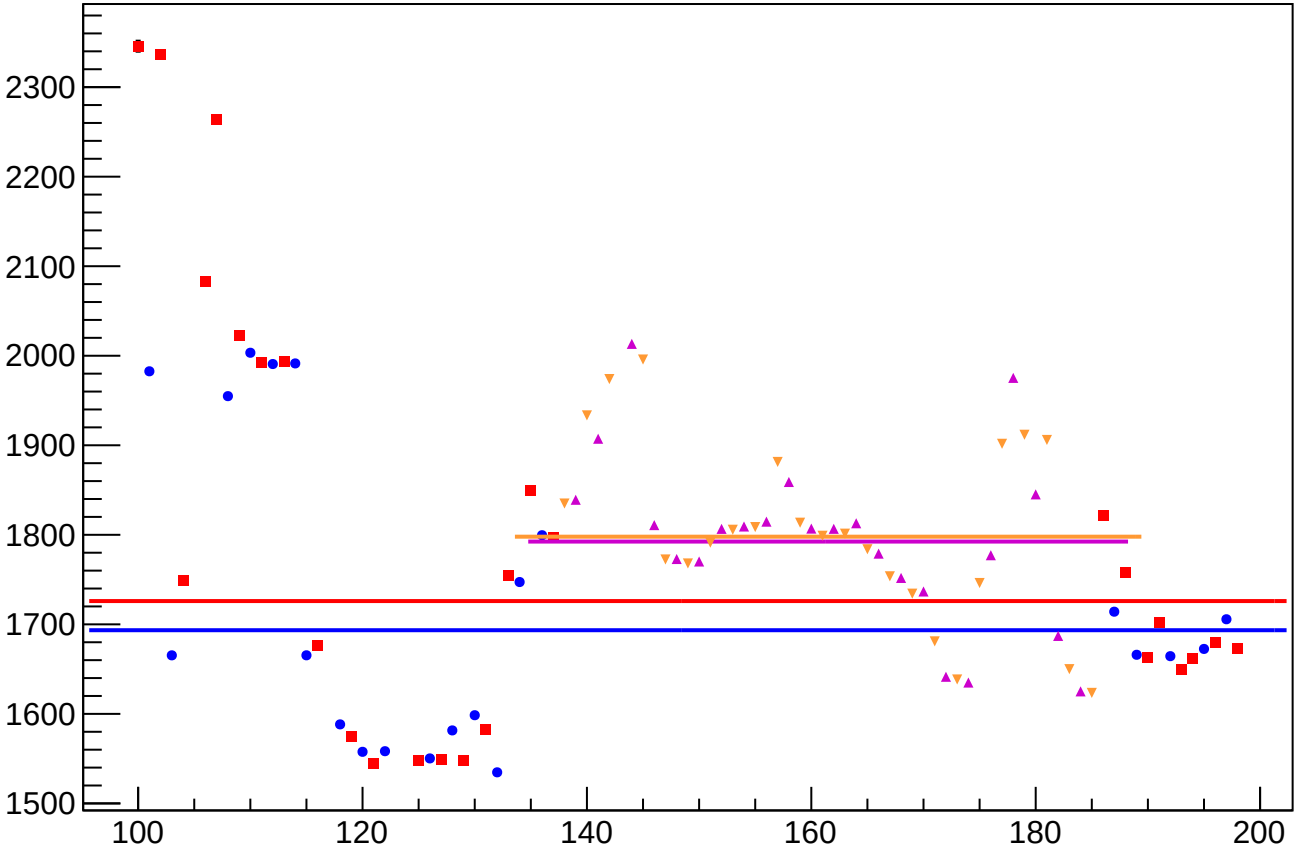
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1146.465+/-326.166 χ^2/NDF: 47.8/44

All: -482.563+/-228.012 χ^2/NDF: 147.9/93

- sign -2039.575+/-318.875 χ^2/NDF: 51.3/48

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1693.440+/-0.369 χ^2/NDF: 136947.9/20

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

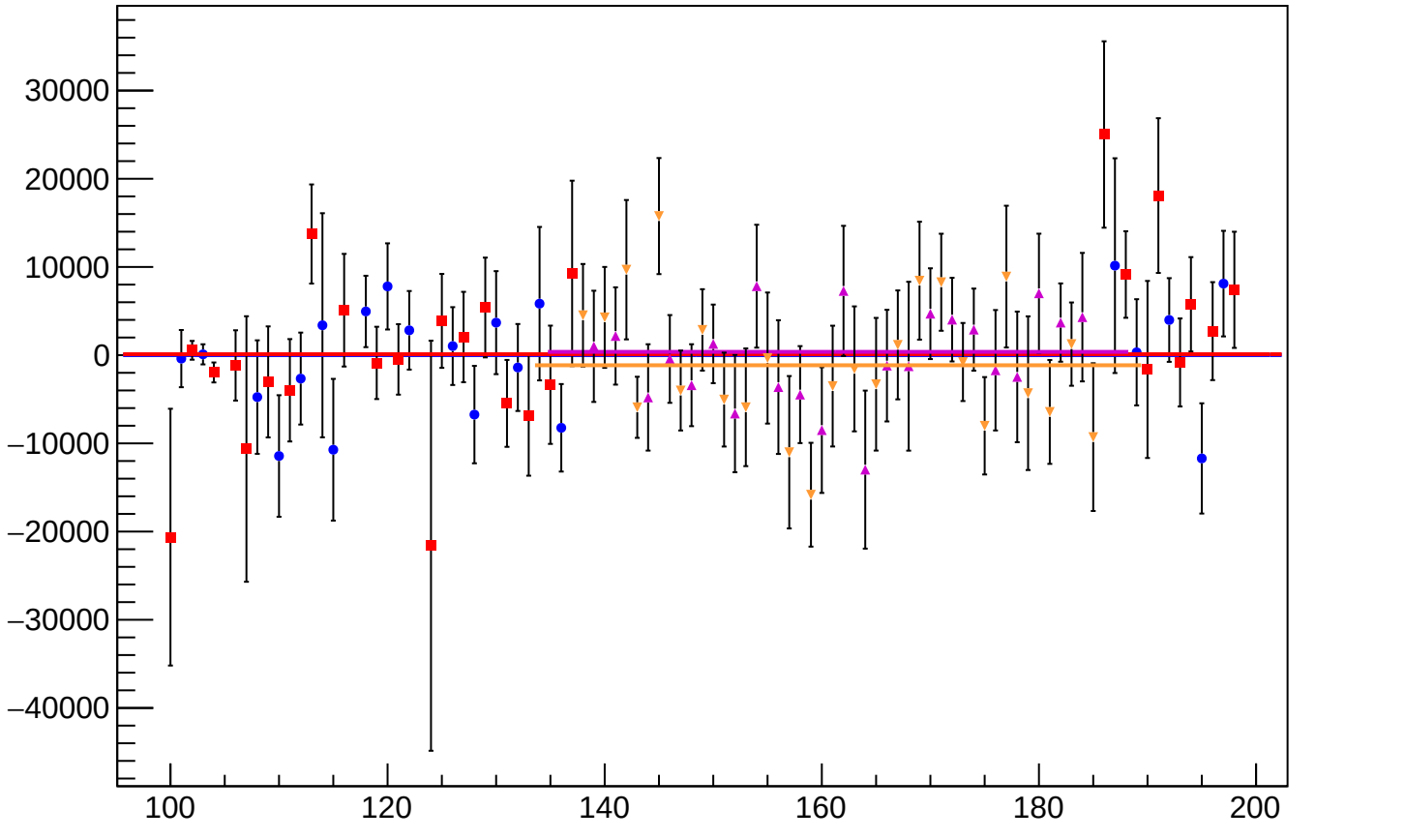
Right Out: 1726.006+/-0.347 χ^2/NDF: 264105.0/25

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

\+ sign 1757.033+/-0.231 χ^2/NDF: 283823.8/44

All: 1760.810+/-0.161 χ^2/NDF: 662534.8/93

\- sign 1764.416+/-0.225 χ^2/NDF: 378186.8/48



Right In: 9.951+/-827.416 χ^2/NDF: 21.9/20

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 107.402+/-649.285 χ^2/NDF: 35.0/26

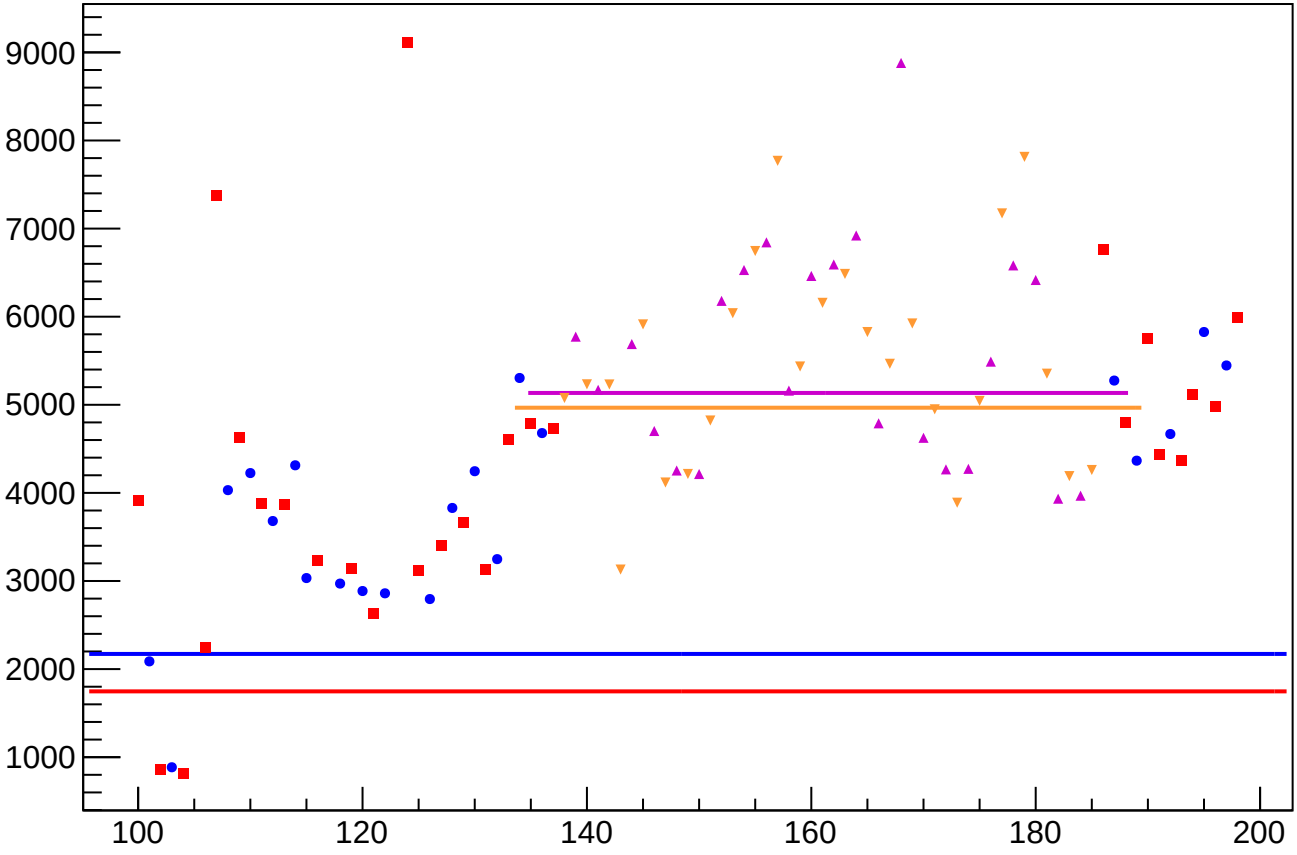
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -377.338+/-674.483 χ^2/NDF: 55.1/45

All: -62.366+/-437.160 χ^2/NDF: 103.7/95

\- sign 165.799+/-574.063 χ^2/NDF: 48.3/49

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2172.051+/-0.585 χ^2/NDF: 6871705.8/20

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1747.140+/-0.459 χ^2/NDF: 10966834.9/26

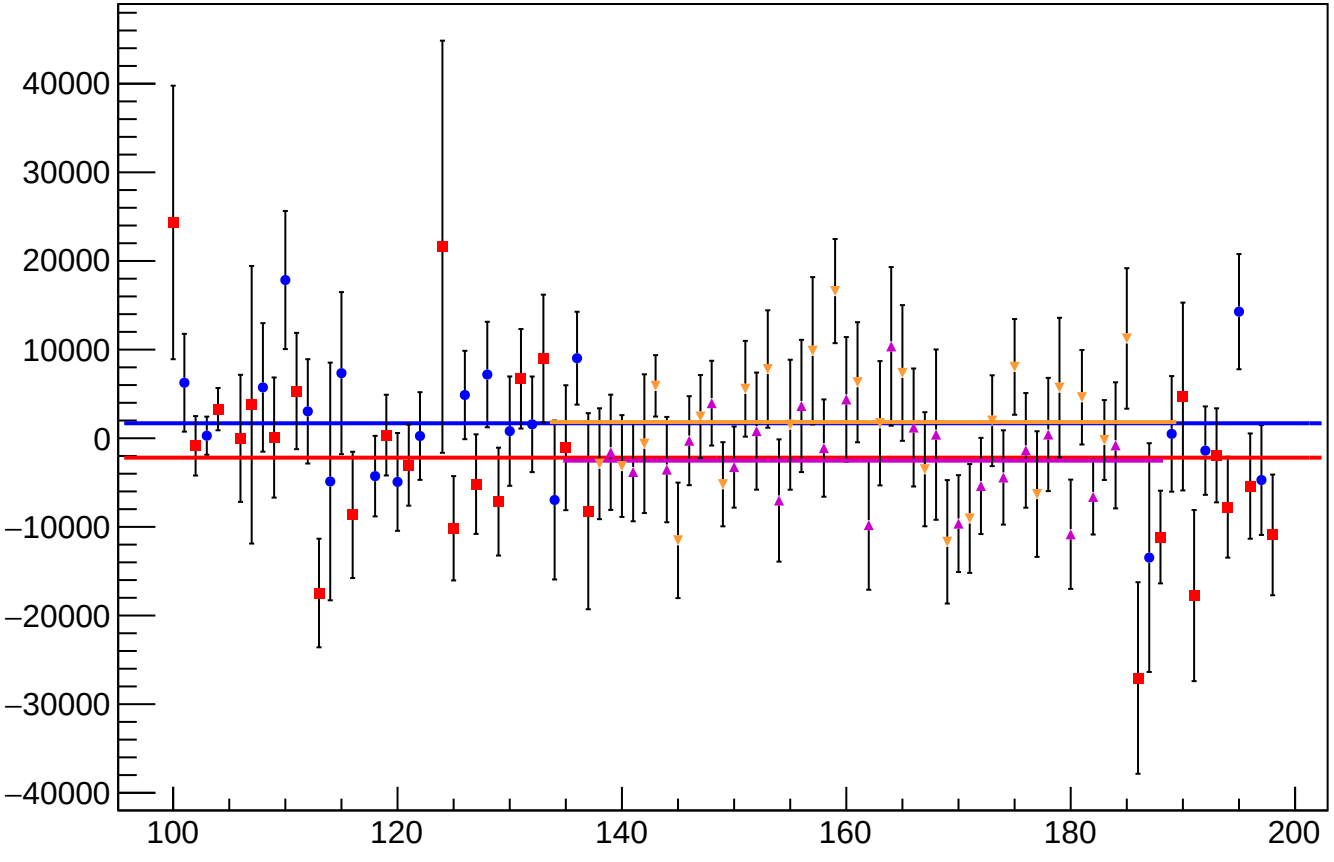
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3109.719+/-0.477 χ^2/NDF: 16445403.8/45

All: 2748.331+/-0.309 χ^2/NDF: 41771579.2/9

- sign 2486.543+/-0.406 χ^2/NDF: 24336089.3/49

asym_atl_avg_mean vs Slug



Right In: 1689.710+/-1154.589 χ^2/NDF: 20.4/20

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -2189.585+/-1097.707 χ^2/NDF: 40.6/26

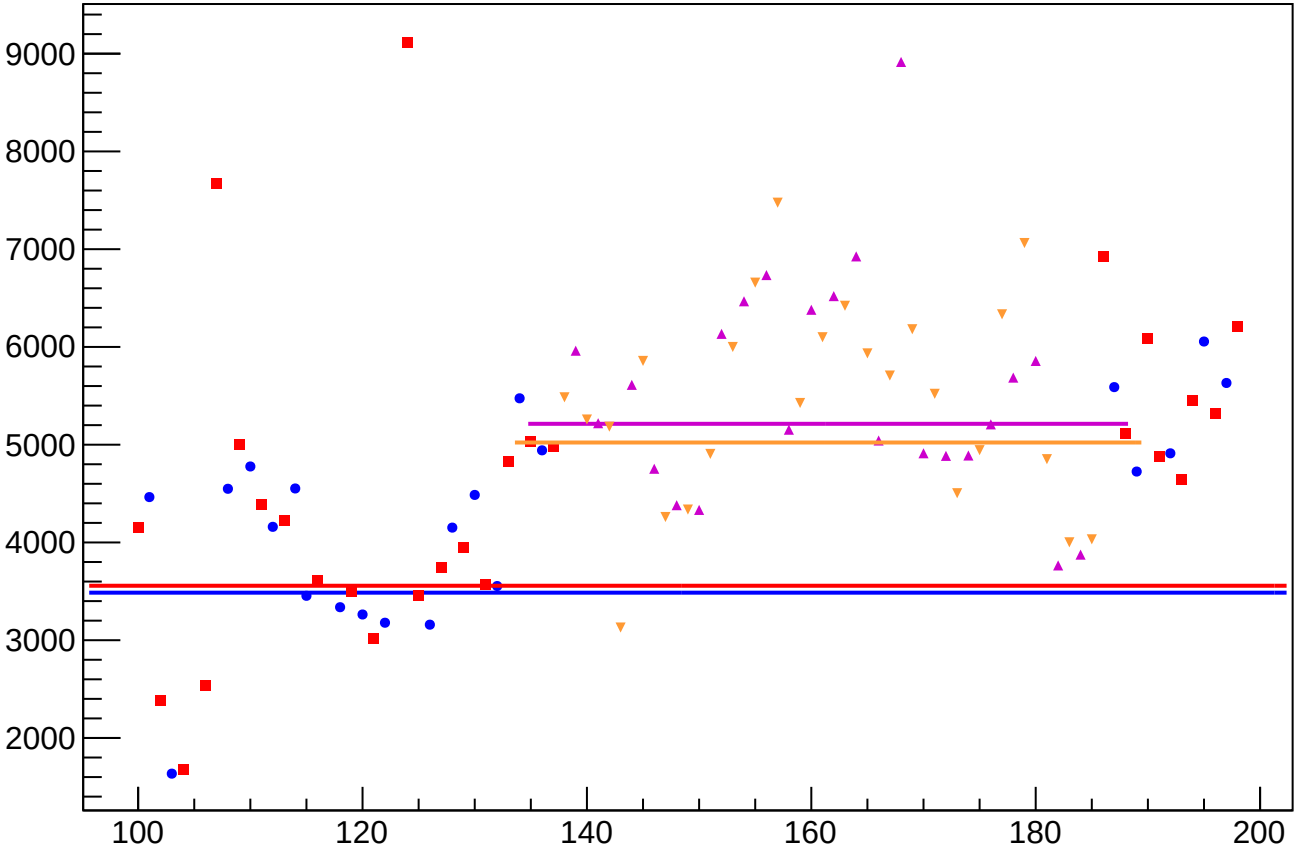
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1756.907+/-822.670 χ^2/NDF: 51.5/45

All: -291.261+/-581.660 χ^2/NDF: 117.8/95

- sign -2338.654+/-822.514 χ^2/NDF: 53.9/49

asym_atl_avg_rms vs Slug



Right In: 3486.299+/-0.816 χ^2/NDF: 2871963.1/20

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

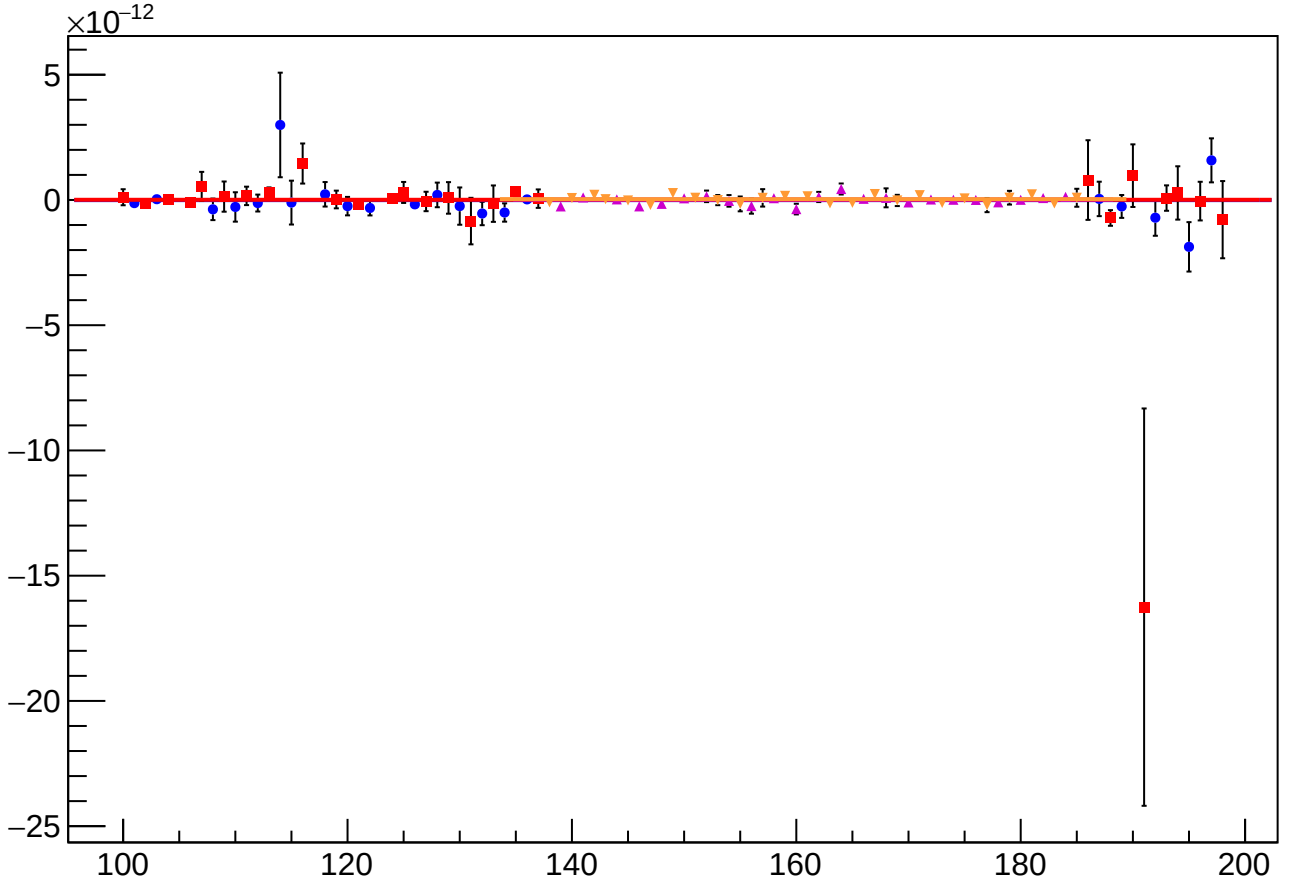
Right Out: 3557.146+/-0.767 χ^2/NDF: 3508627.5/26

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4242.544+/-0.582 χ^2/NDF: 6291427.2/45

All: 4258.161+/-0.410 χ^2/NDF: 13043531.2/9

- sign 4273.556+/-0.578 χ^2/NDF: 6750672.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

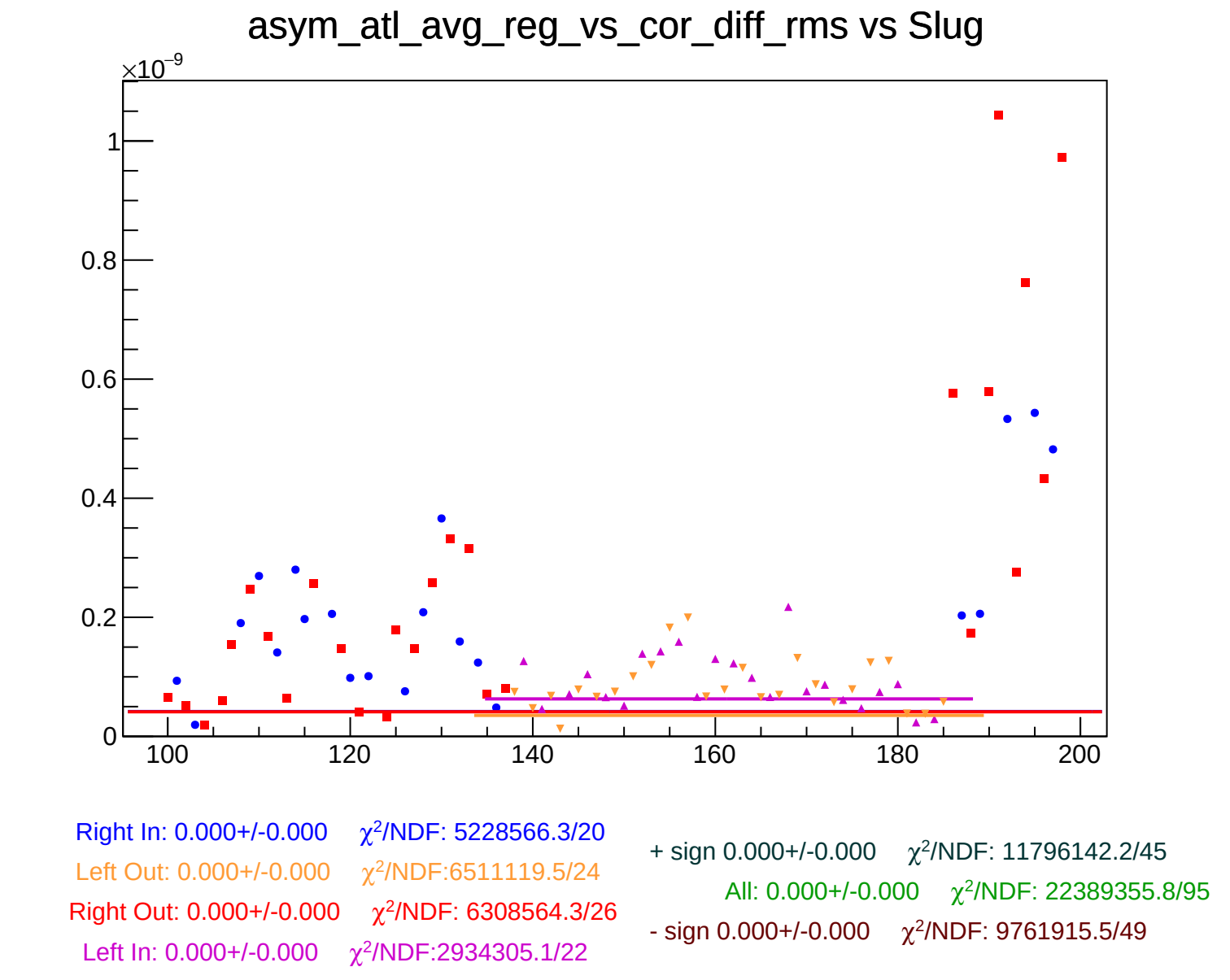
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/26

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

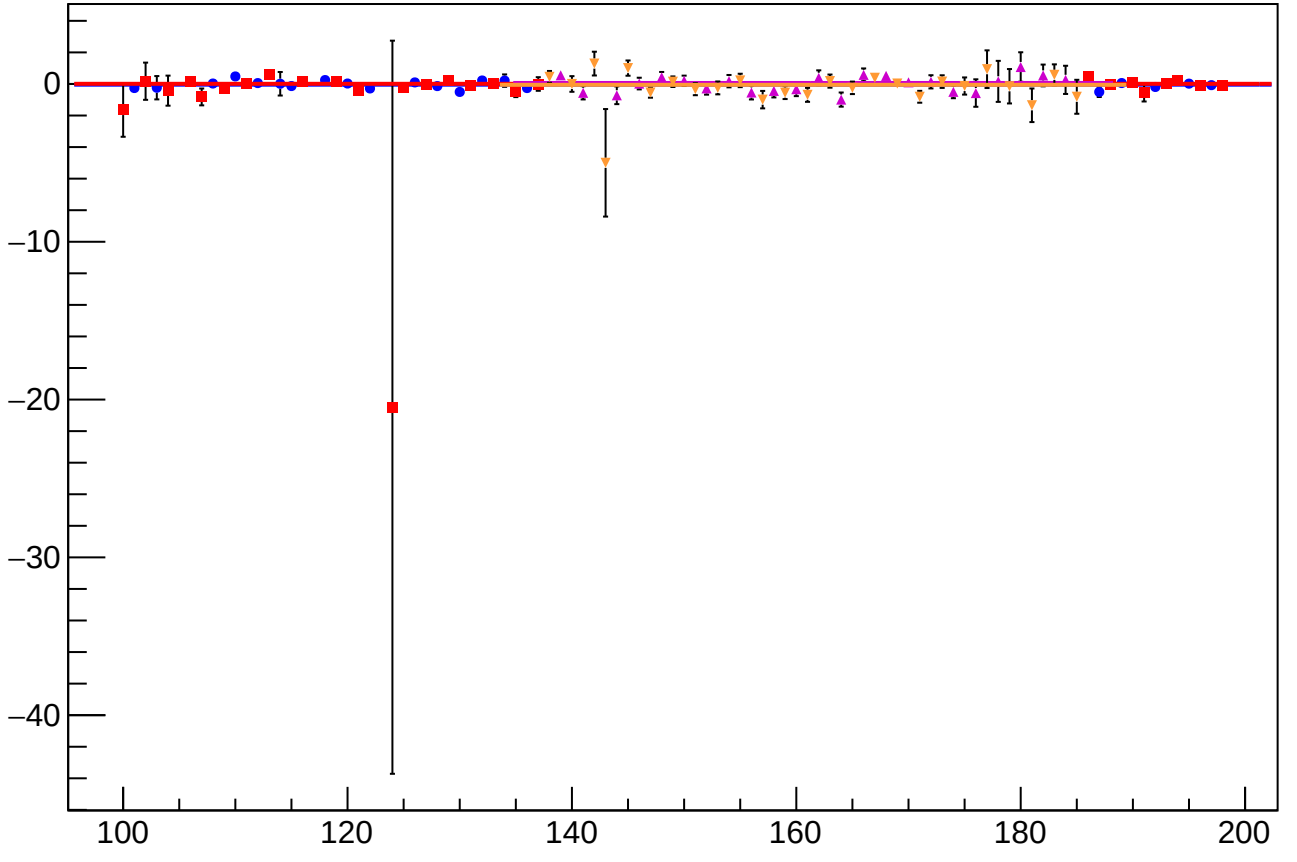
+ sign 0.000+/-0.000 χ^2/NDF: 44.7/45

All: 0.000+/-0.000 χ^2/NDF: 89.8/95

- sign 0.000+/-0.000 χ^2/NDF: 44.9/49


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: 5228566.3/20
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 6308564.3/26
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 11796142.2/45
All: 0.000+/-0.000 χ²/NDF: 22389355.8/95
- sign 0.000+/-0.000 χ²/NDF: 9761915.5/49

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.010+/-0.041 χ^2/NDF: 29.2/26

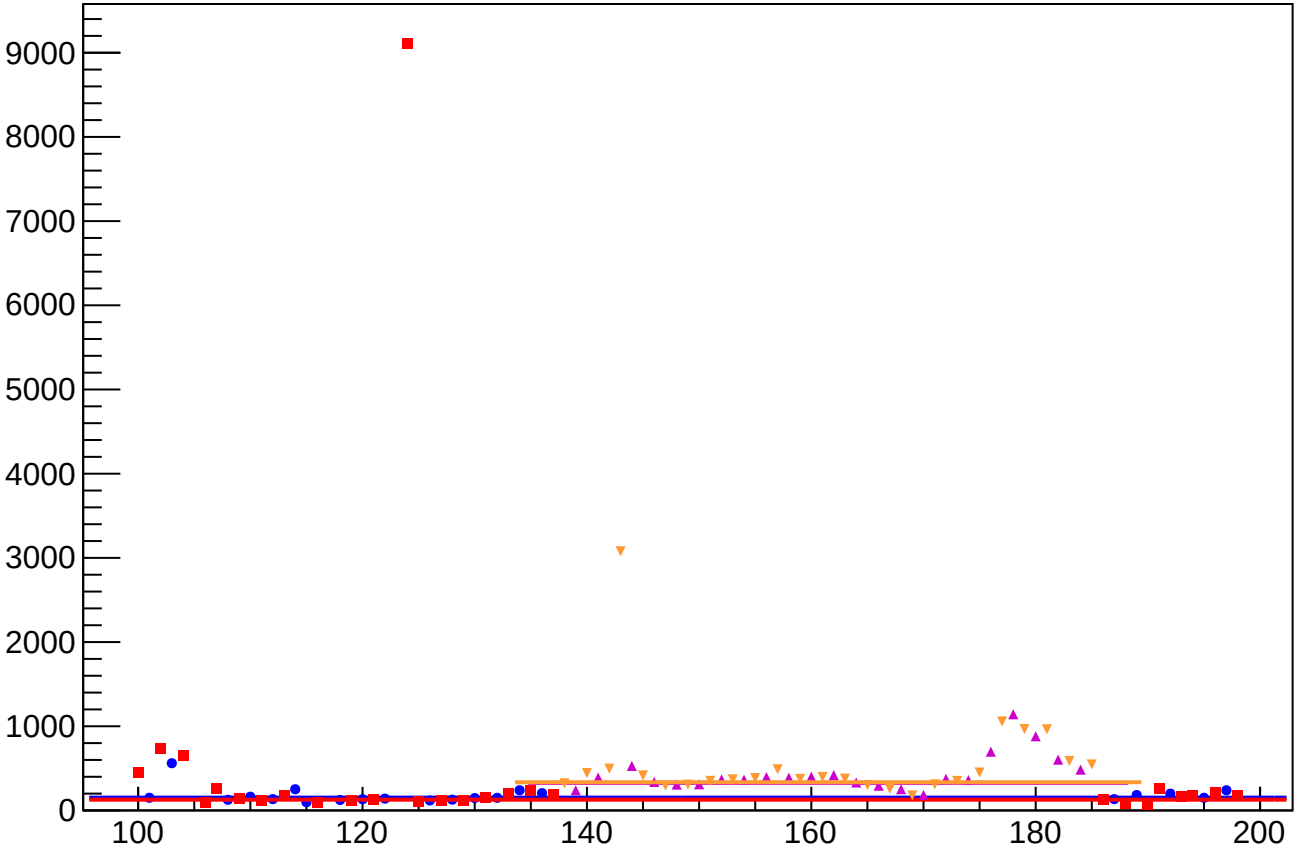
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 53.3/45

All: -0.008+/-0.028 χ^2/NDF: 112.2/95

- sign 0.020+/-0.037 χ^2/NDF: 57.6/49

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 152.212+/-0.036 χ^2/NDF: 1491677.5/20

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

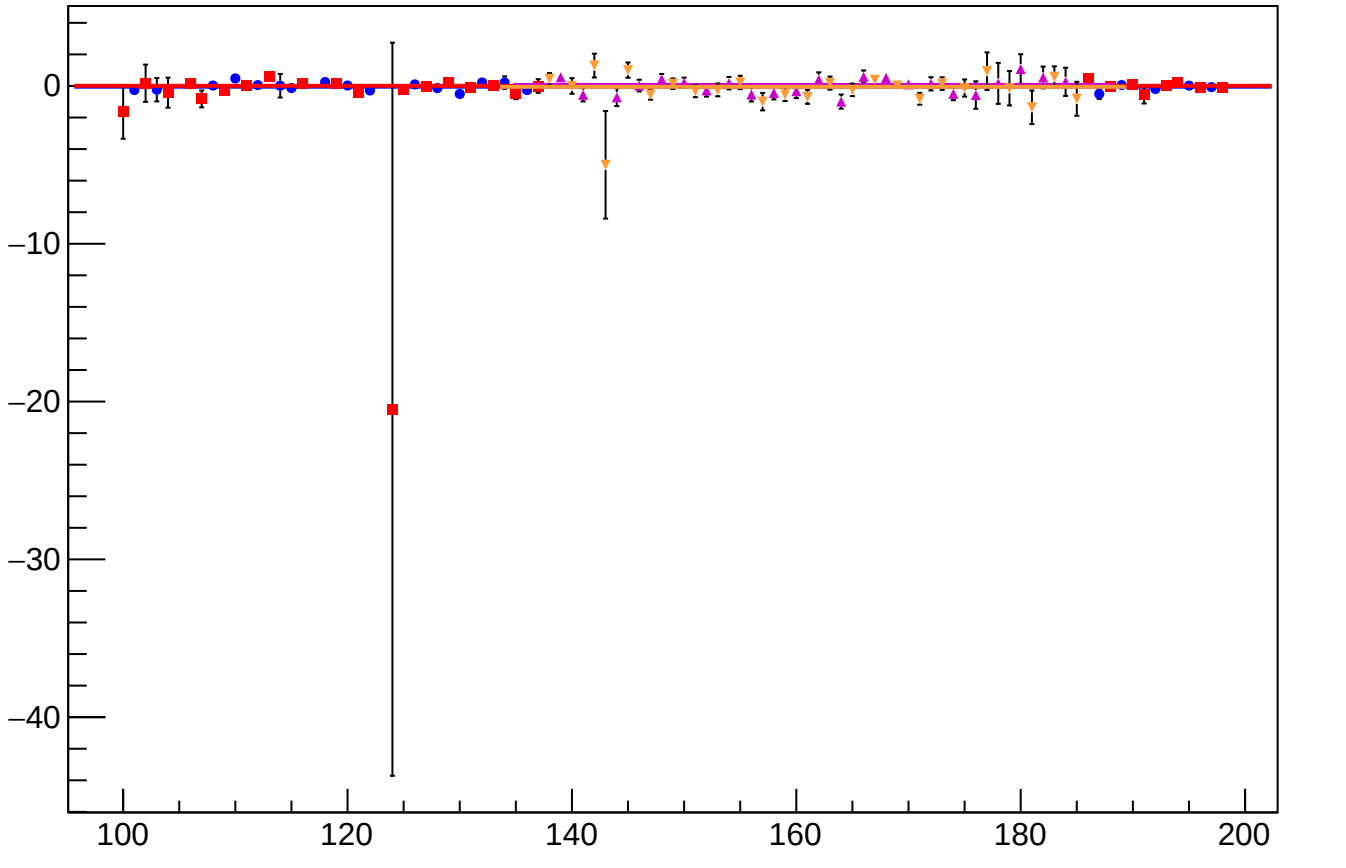
Right Out: 128.080+/-0.029 χ^2/NDF: 3620565.3/26

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 200.338+/-0.031 χ^2/NDF: 14235183.6/45

All: 181.469+/-0.020 χ^2/NDF: 31972093.4/95

- sign 167.808+/-0.026 χ^2/NDF: 17084997.2/49



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.010+/-0.041 χ^2/NDF: 29.2/26

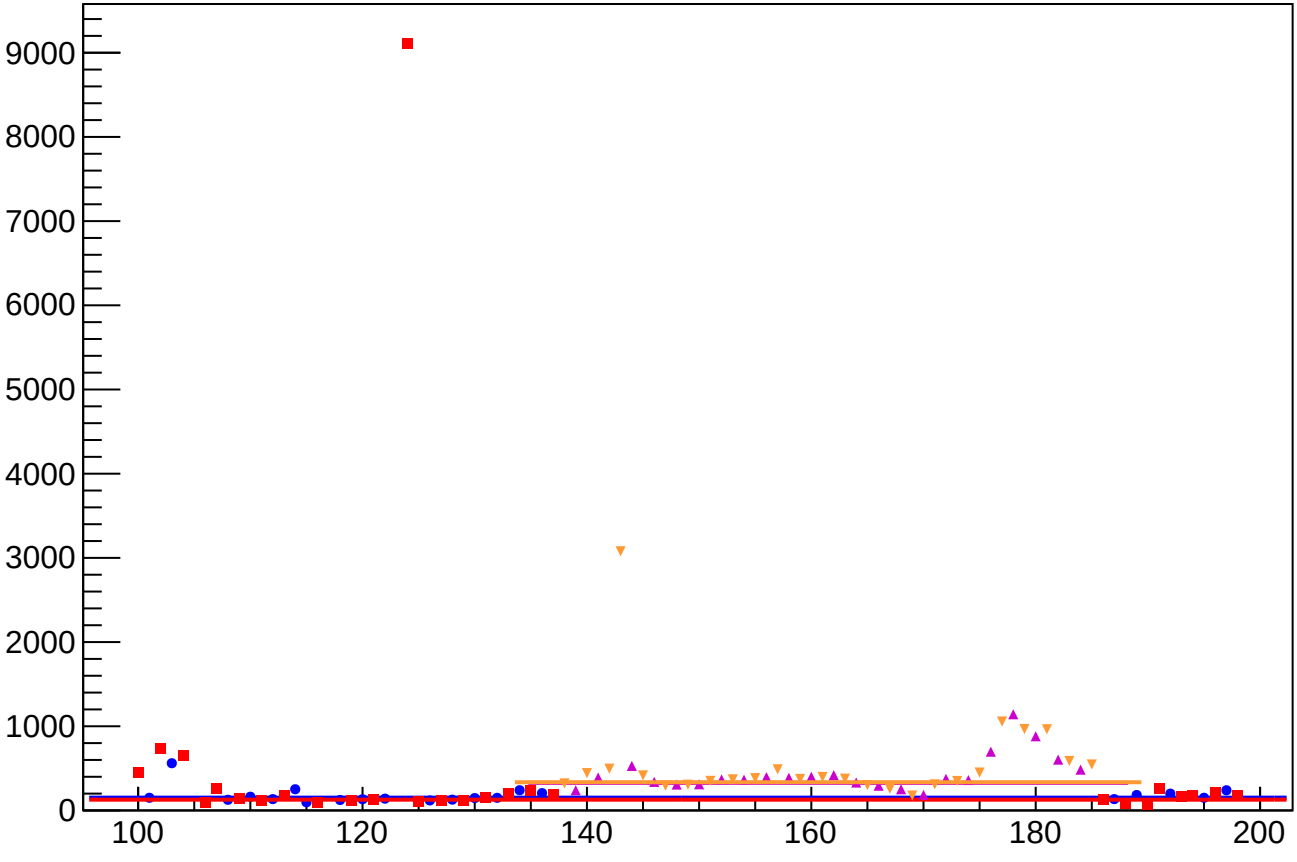
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 53.3/45

All: -0.008+/-0.028 χ^2/NDF: 112.2/95

- sign 0.020+/-0.037 χ^2/NDF: 57.6/49

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.212+/-0.036 χ^2/NDF: 1491677.5/20

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

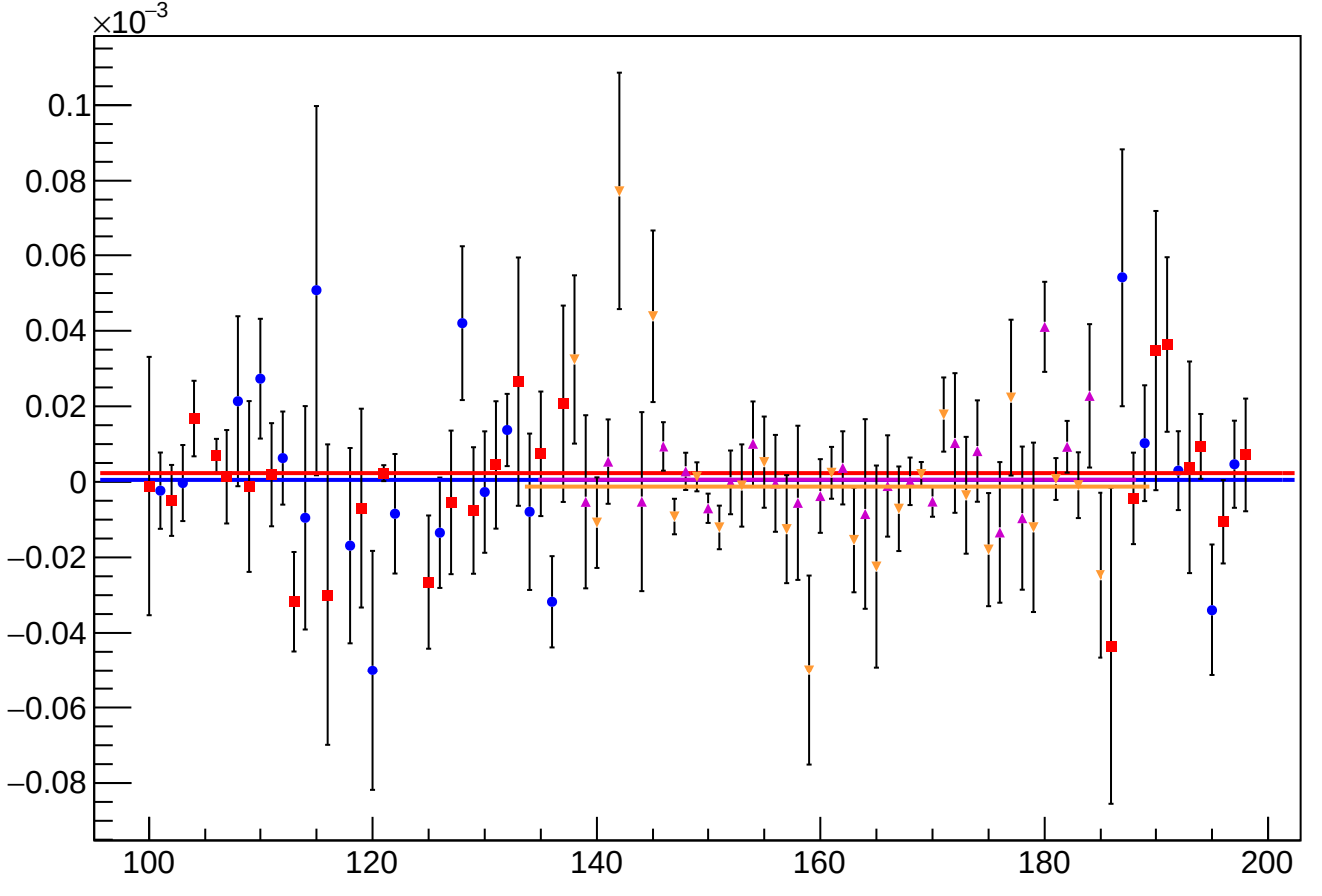
Right Out: 128.080+/-0.029 χ^2/NDF: 3620565.3/26

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 200.338+/-0.031 χ^2/NDF: 14235183.6/45

All: 181.469+/-0.020 χ^2/NDF: 31972093.4/95

- sign 167.808+/-0.026 χ^2/NDF: 17084997.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

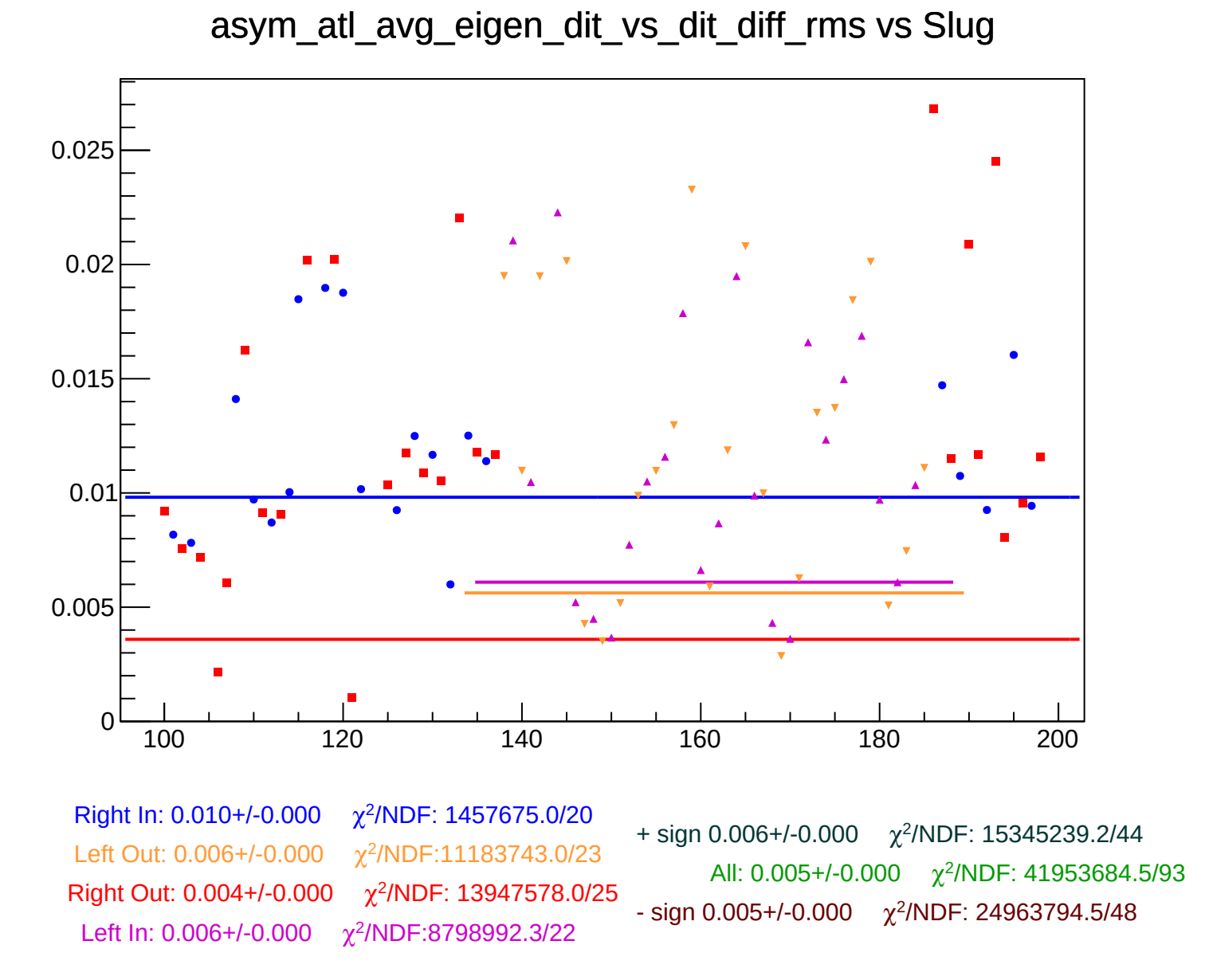
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/25

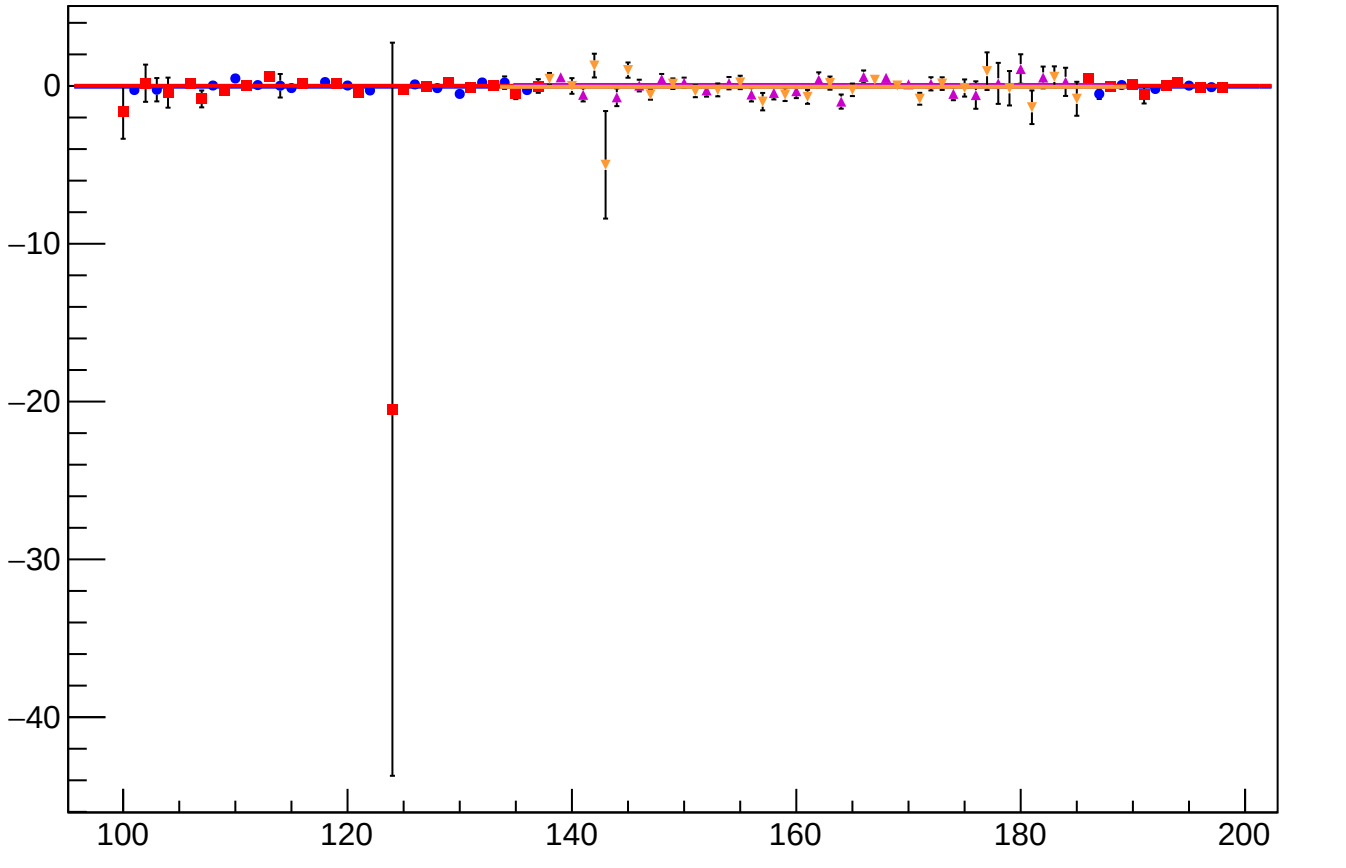
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.8/44

All: 0.000+/-0.000 χ^2/NDF: 115.6/93

- sign 0.000+/-0.000 χ^2/NDF: 48.2/48


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: 0.010+/-0.000 χ²/NDF: 1457675.0/20
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.004+/-0.000 χ²/NDF: 13947578.0/25
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
+ sign 0.006+/-0.000 χ²/NDF: 15345239.2/44
All: 0.005+/-0.000 χ²/NDF: 41953684.5/93
- sign 0.005+/-0.000 χ²/NDF: 24963794.5/48



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.010+/-0.041 χ^2/NDF: 29.3/26

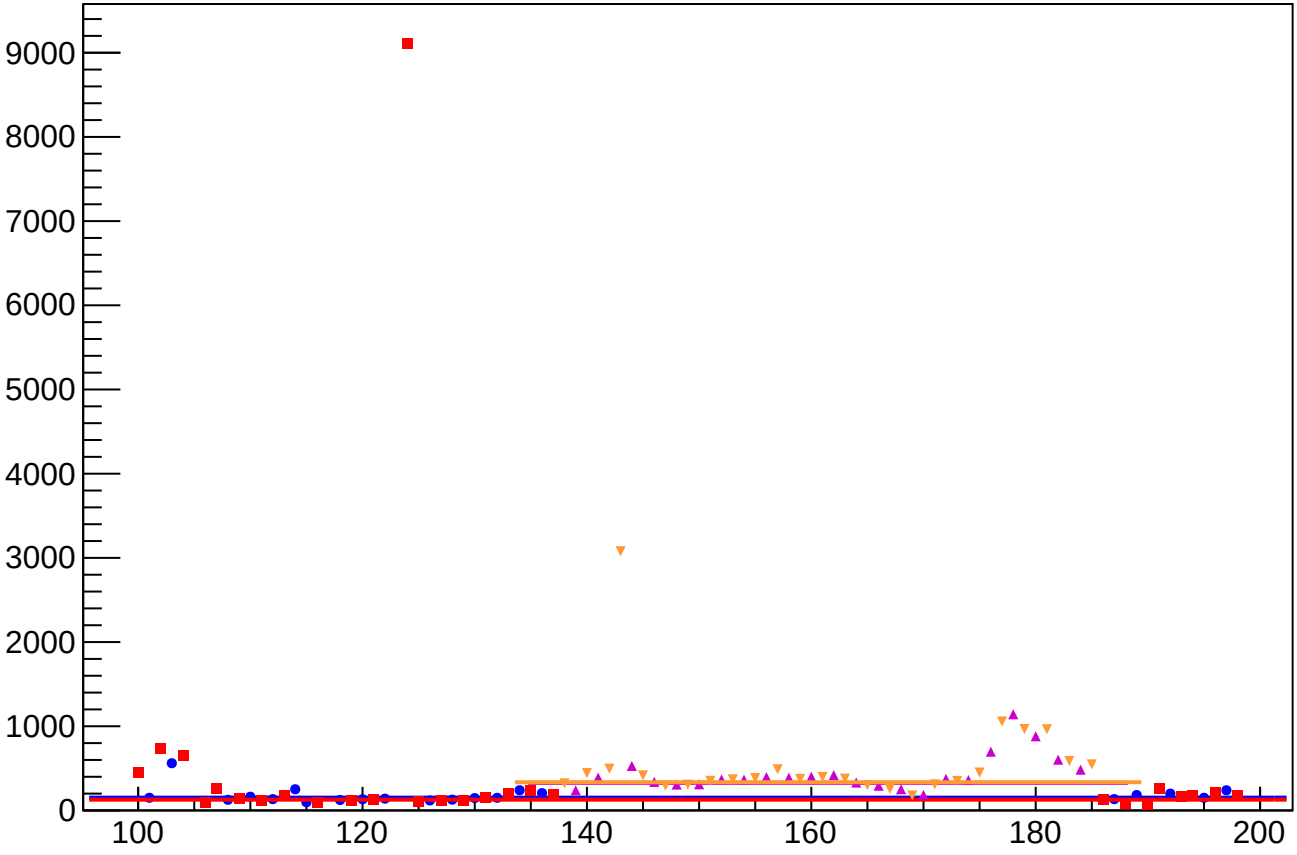
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 53.3/45

All: -0.008+/-0.028 χ^2/NDF: 112.2/95

- sign 0.020+/-0.037 χ^2/NDF: 57.6/49

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 152.211+/-0.036 χ^2/NDF: 1491701.9/20

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

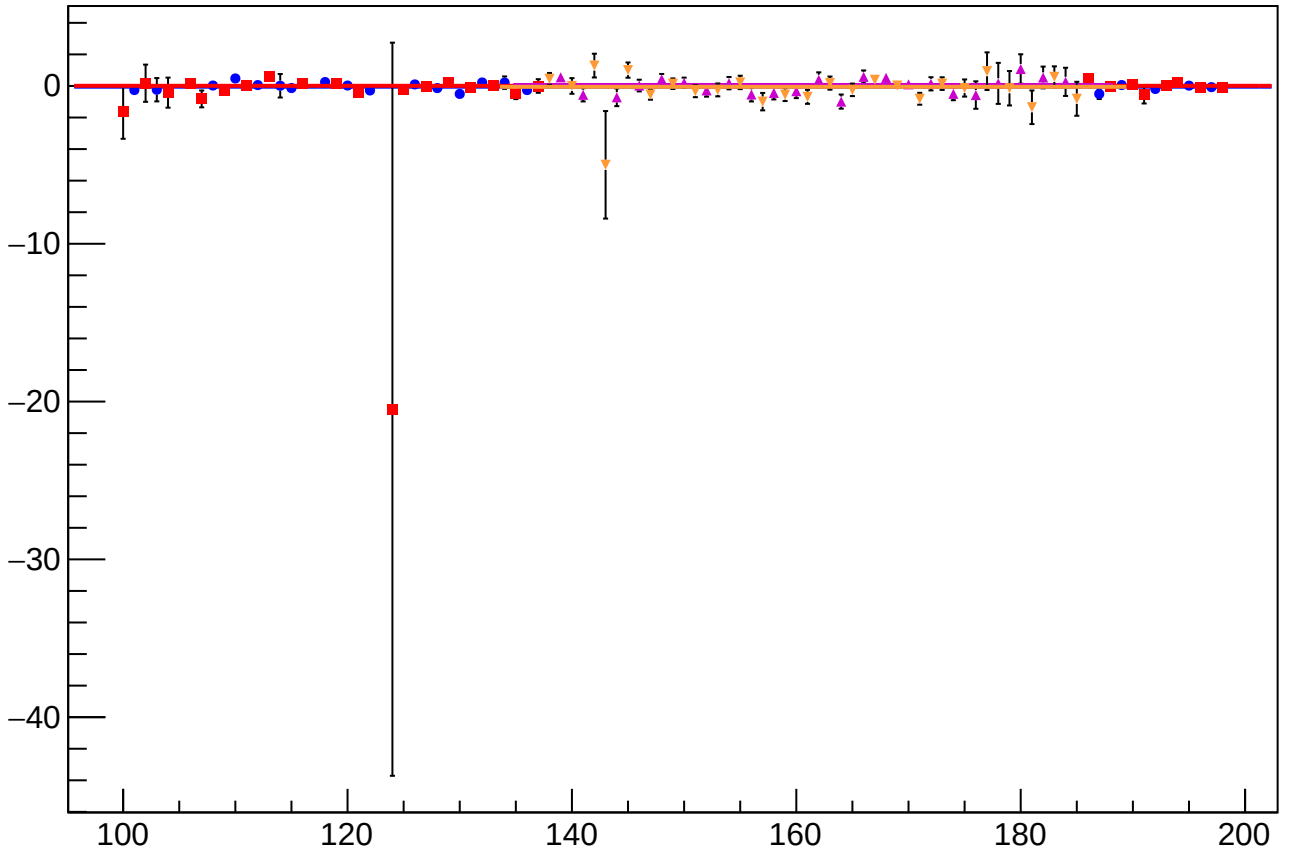
Right Out: 128.078+/-0.029 χ^2/NDF: 3620583.9/26

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 200.337+/-0.031 χ^2/NDF: 14235484.8/45

All: 181.467+/-0.020 χ^2/NDF: 31972841.6/95

- sign 167.806+/-0.026 χ^2/NDF: 17085395.4/49



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.010+/-0.041 χ^2/NDF: 29.3/26

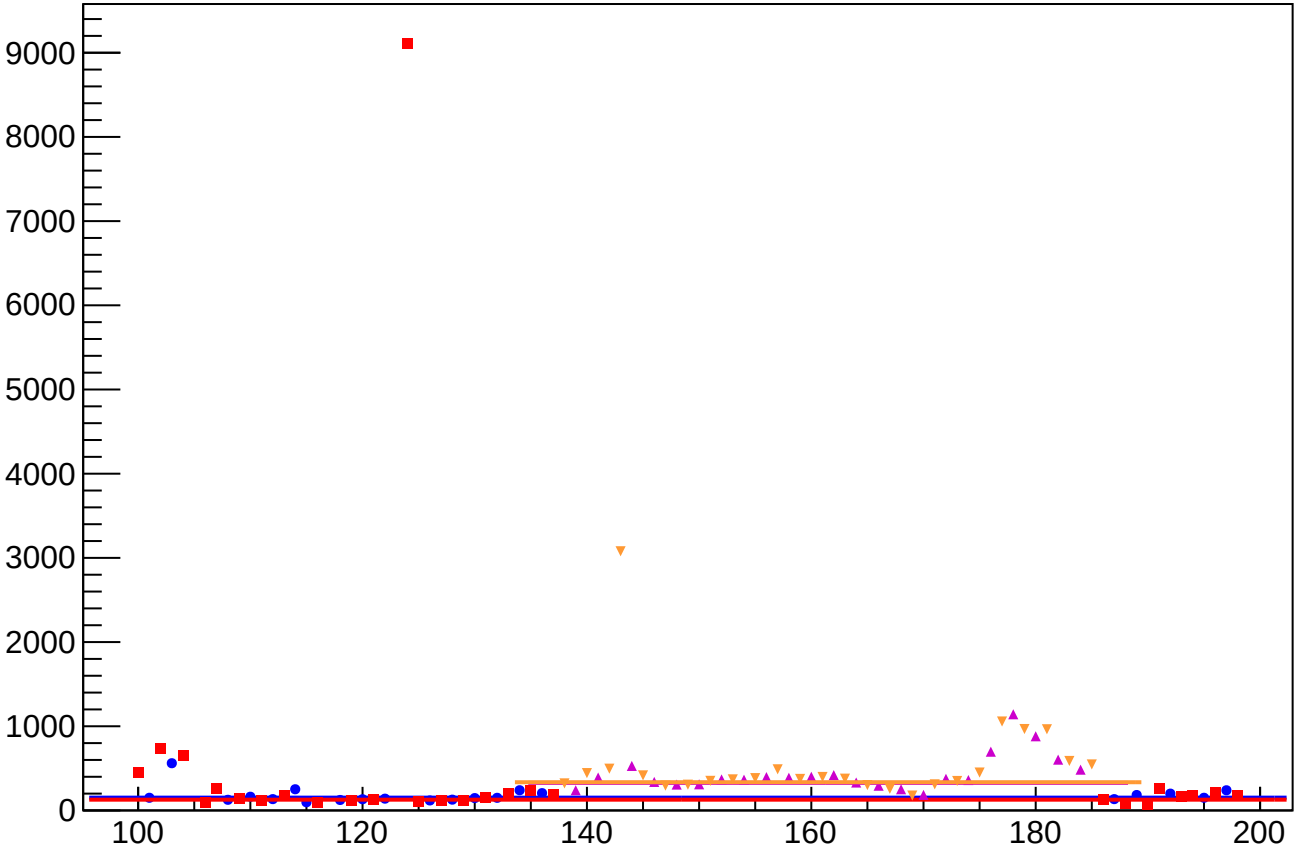
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 53.3/45

All: -0.008+/-0.028 χ^2/NDF: 112.2/95

- sign 0.020+/-0.037 χ^2/NDF: 57.6/49

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.211+/-0.036 χ^2/NDF: 1491701.9/20

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

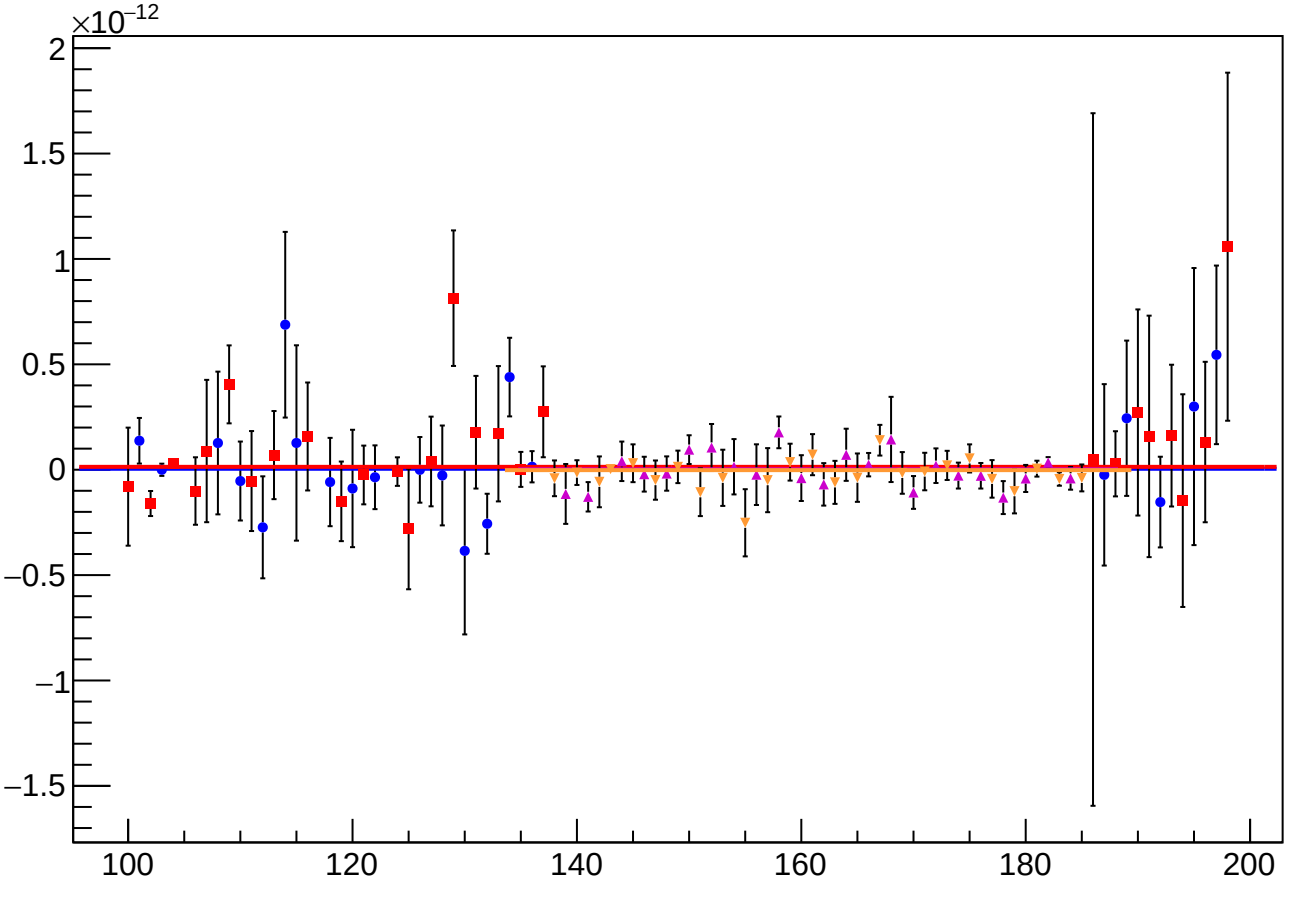
Right Out: 128.078+/-0.029 χ^2/NDF: 3620583.9/26

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 200.337+/-0.031 χ^2/NDF: 14235484.8/45

All: 181.467+/-0.020 χ^2/NDF: 31972841.6/95

- sign 167.806+/-0.026 χ^2/NDF: 17085395.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/26

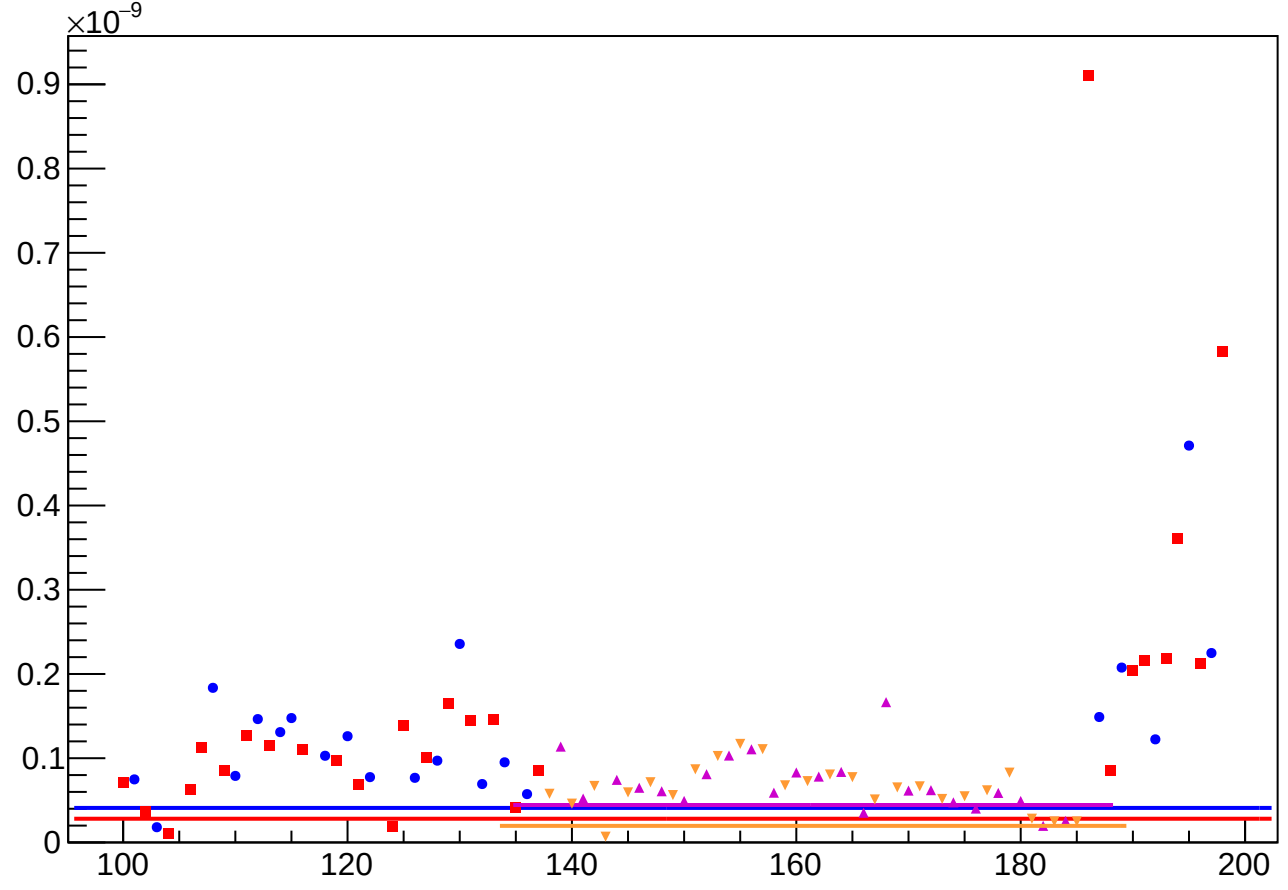
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/45

All: 0.000+/-0.000 χ^2/NDF: 82.6/95

- sign 0.000+/-0.000 χ^2/NDF: 50.2/49

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6032821.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8959704.9/26

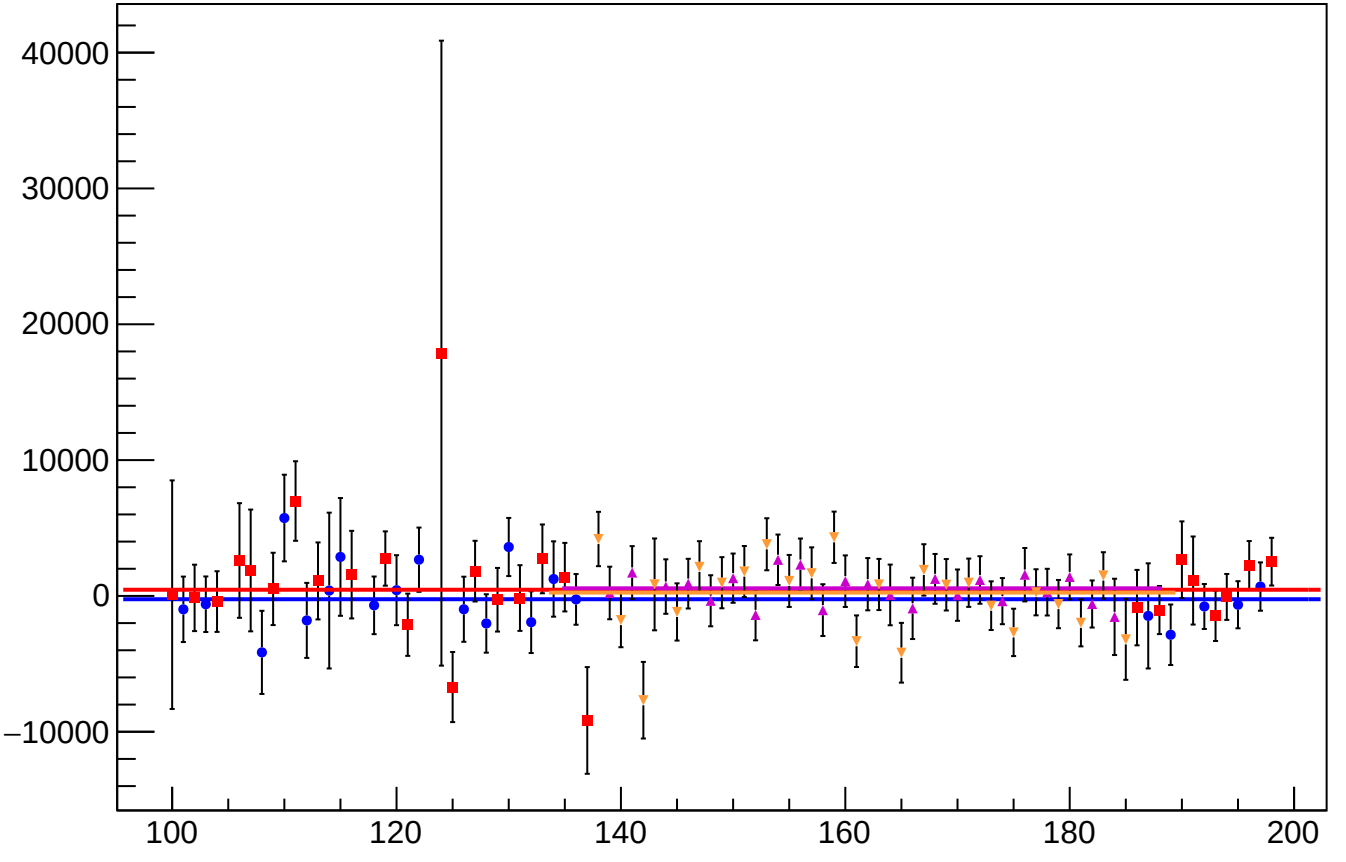
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 22366793.8/45

All: 0.000+/-0.000 χ^2/NDF: 41089793.1/95

- sign 0.000+/-0.000 χ^2/NDF: 15871026.1/49

reg_asym_atl_dd_mean vs Slug



Right In: -243.109+/-507.406 χ^2/NDF: 14.5/20

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 455.412+/-474.718 χ^2/NDF: 29.2/26

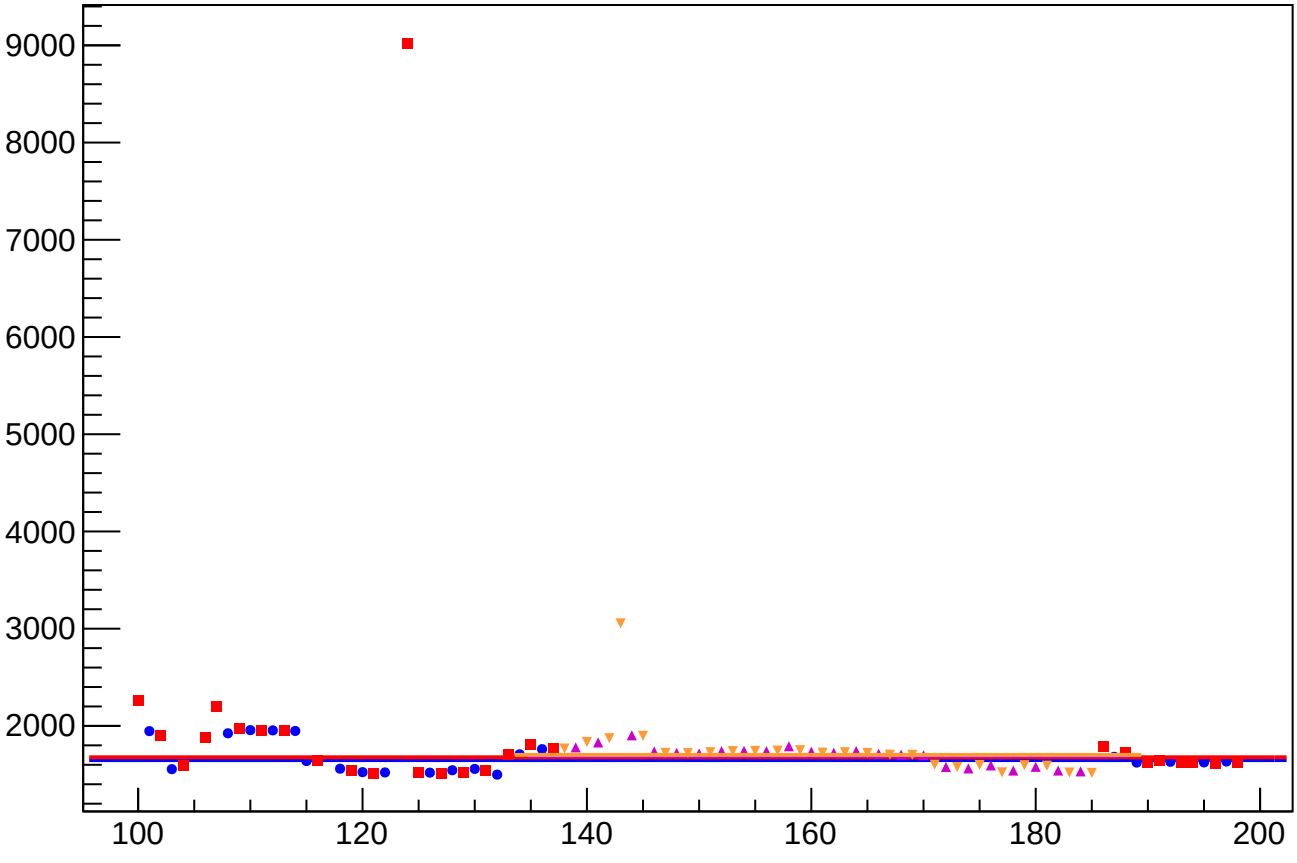
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 66.453+/-308.630 χ^2/NDF: 54.7/45

All: 295.463+/-216.465 χ^2/NDF: 92.5/95

- sign 517.195+/-303.686 χ^2/NDF: 36.8/49

reg_asym_atl_dd_rms vs Slug



Right In: 1648.645+/-0.359 χ^2/NDF: 145517.7/20

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1677.044+/-0.335 χ^2/NDF: 401265.5/26

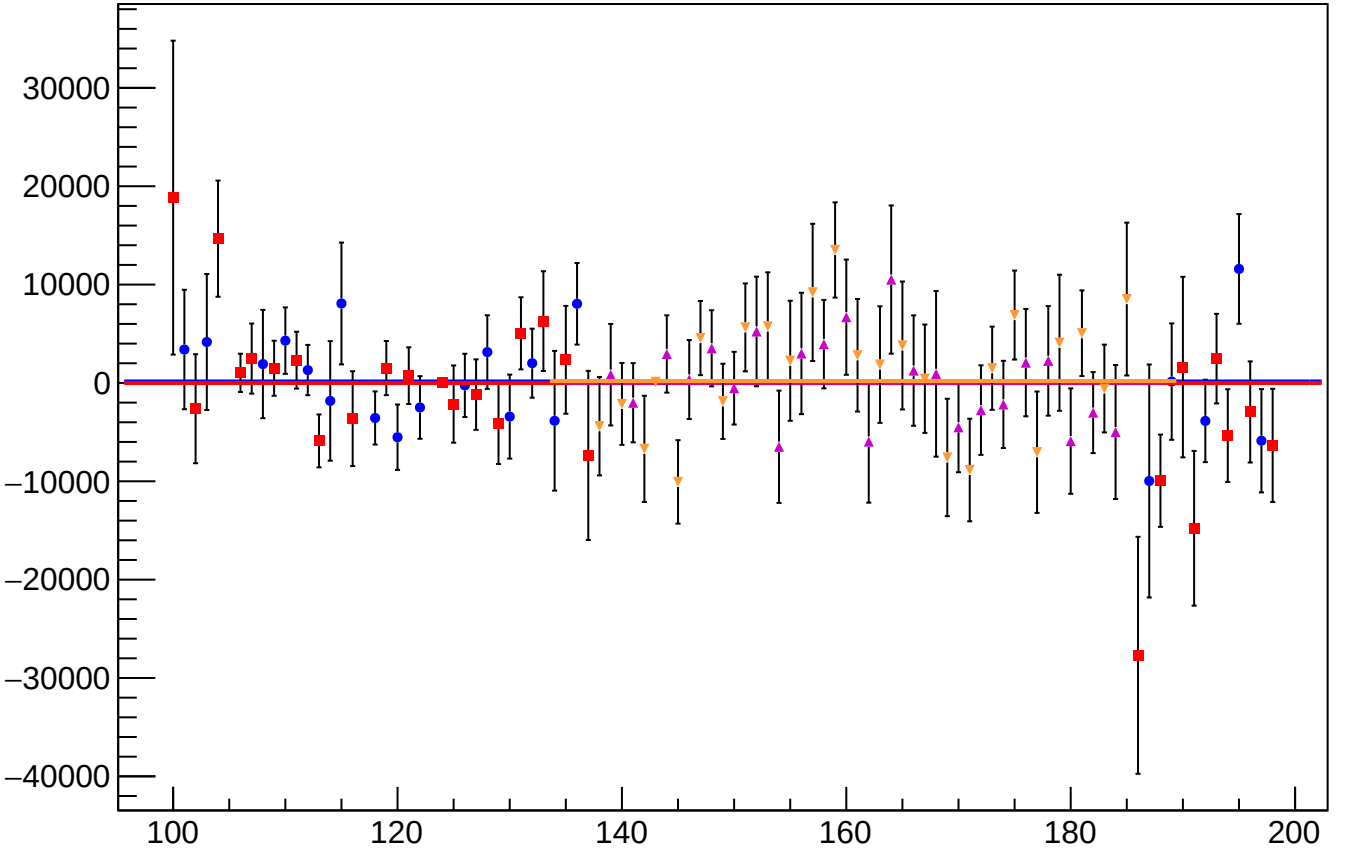
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1681.997+/-0.218 χ^2/NDF: 611612.3/45

All: 1683.140+/-0.153 χ^2/NDF: 1136034.3/95

- sign 1684.245+/-0.215 χ^2/NDF: 524368.2/49

asym_atl_dd_reg_correction_mean vs Slug



Right In: 148.940+/-896.662 χ^2/NDF: 22.4/20

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -9.117+/-319.694 χ^2/NDF: 37.5/26

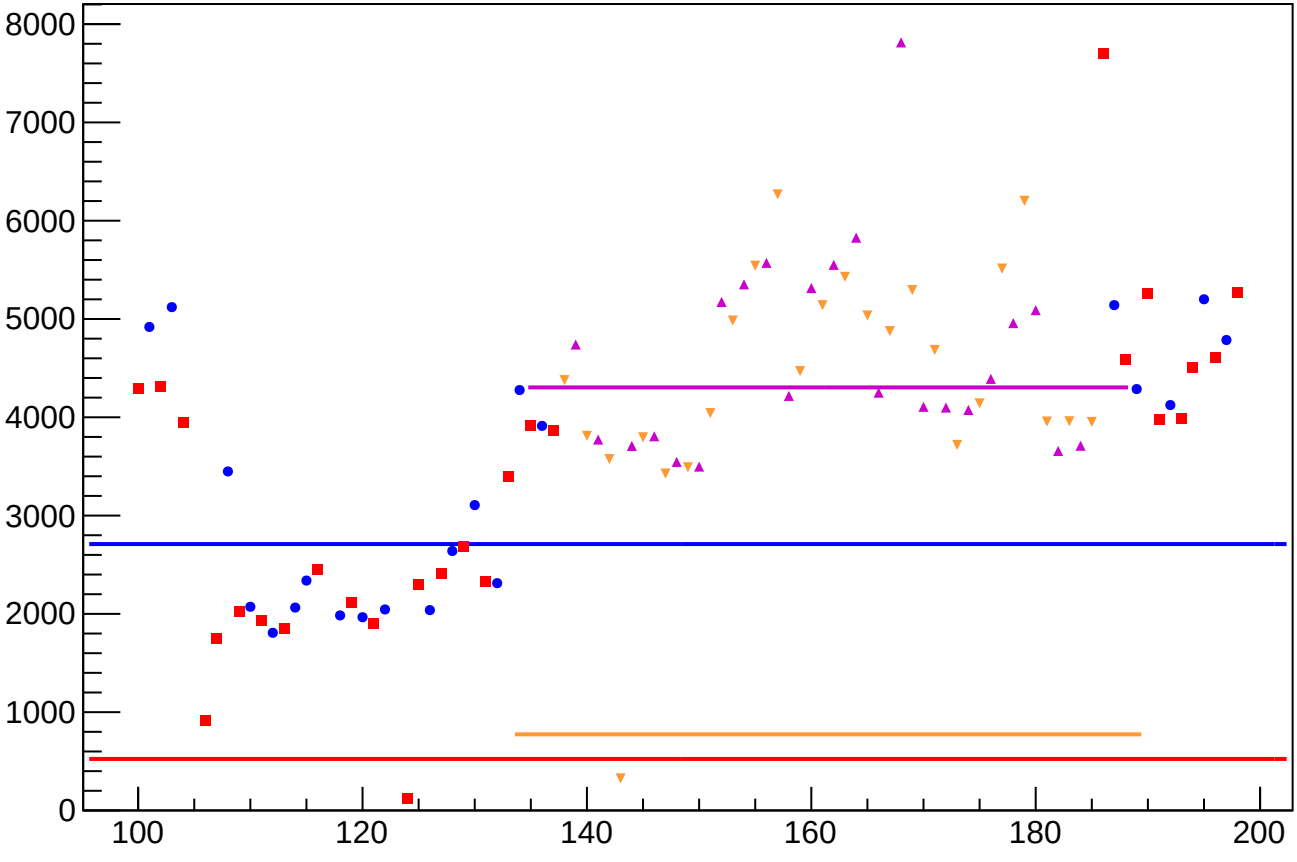
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 187.811+/-320.468 χ^2/NDF: 56.3/45

All: 86.304+/-221.012 χ^2/NDF: 107.3/95

- sign -5.765+/-305.207 χ^2/NDF: 50.7/49

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2710.204+/-0.634 χ^2/NDF: 2788204.5/20

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 524.038+/-0.226 χ^2/NDF: 19605415.9/26

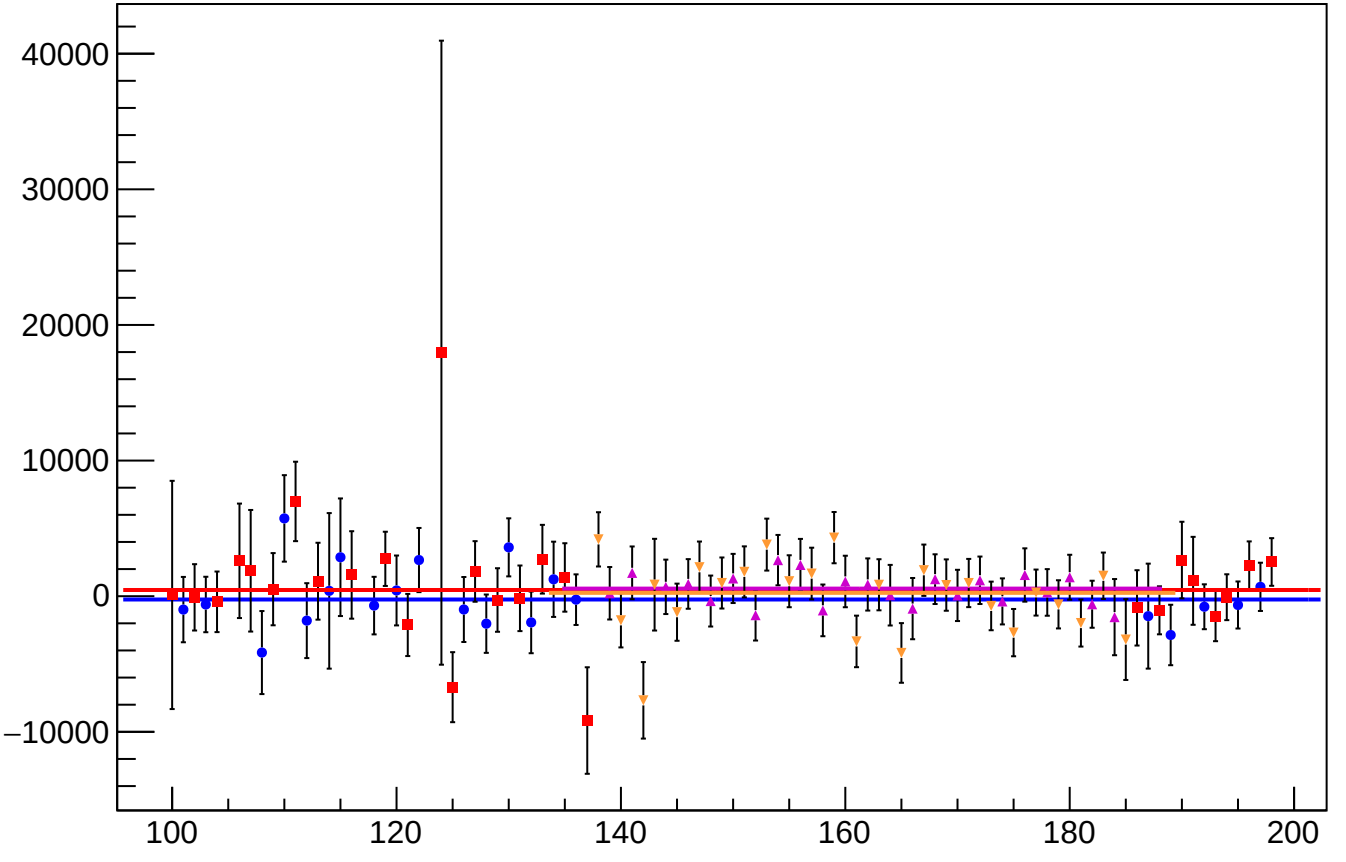
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1021.524+/-0.227 χ^2/NDF: 39006196.8/45

All: 936.230+/-0.156 χ^2/NDF: 84865174.8/95

- sign 858.866+/-0.216 χ^2/NDF: 45588794.6/49

cor_asym_atl_dd_mean vs Slug



Right In: -243.164+/-507.406 χ^2/NDF: 14.5/20

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 457.829+/-474.721 χ^2/NDF: 29.2/26

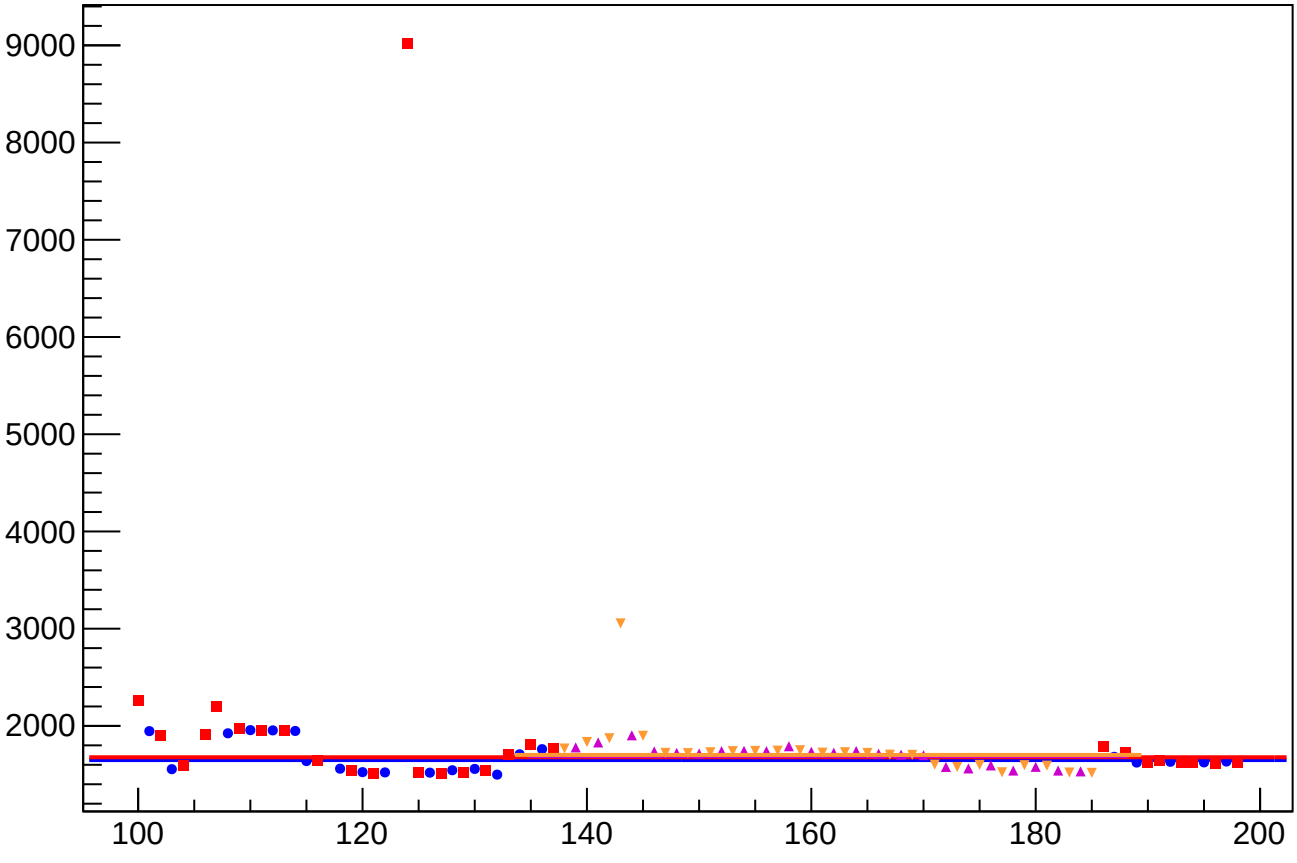
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 66.421+/-308.630 χ^2/NDF: 54.7/45

All: 295.939+/-216.466 χ^2/NDF: 92.5/95

- sign 518.164+/-303.687 χ^2/NDF: 36.8/49

cor_asym_atl_dd_rms vs Slug



Right In: 1648.645+/-0.359 χ^2/NDF: 145517.7/20

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1677.480+/-0.335 χ^2/NDF: 403171.8/26

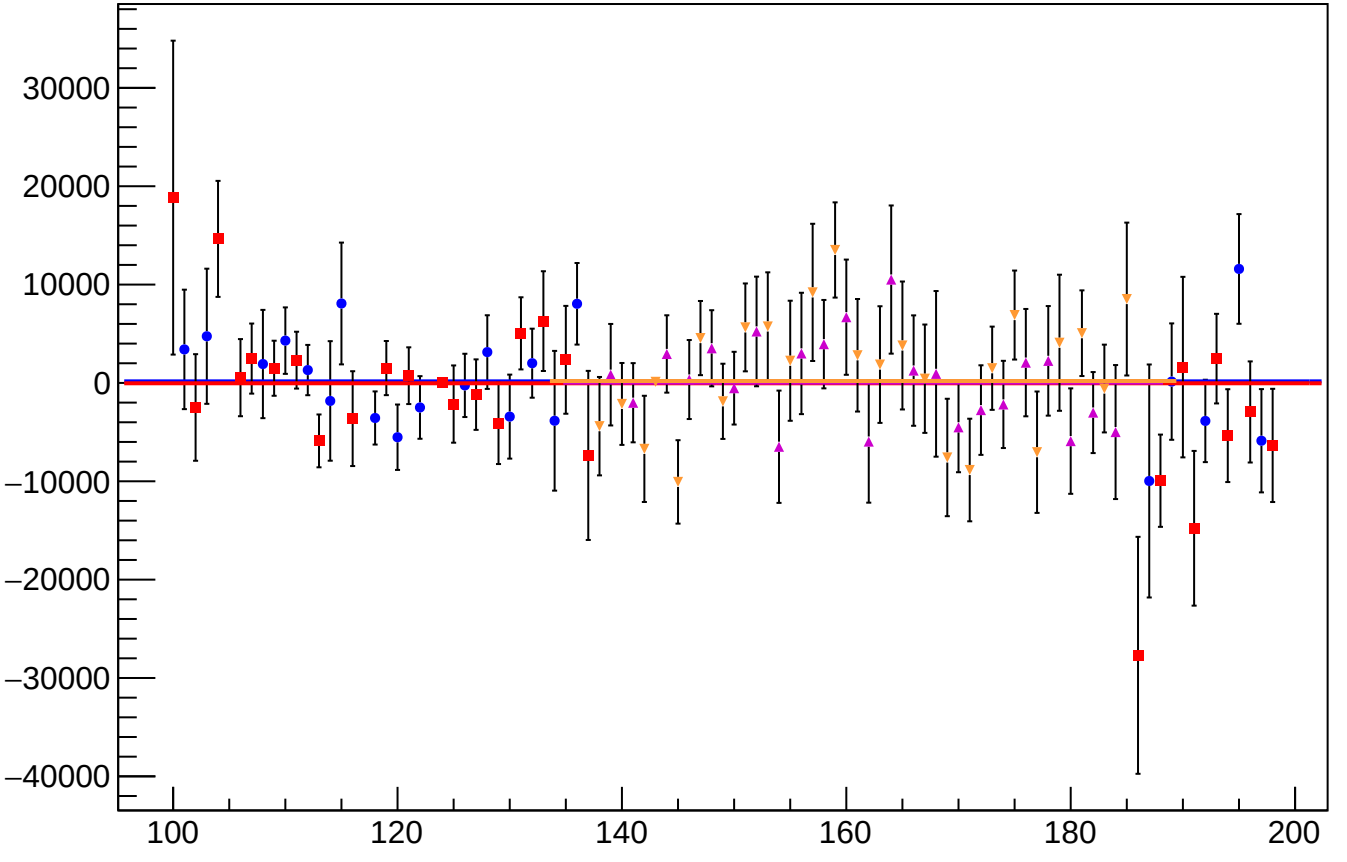
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1681.997+/-0.218 χ^2/NDF: 611612.3/45

All: 1683.232+/-0.153 χ^2/NDF: 1137894.4/95

- sign 1684.425+/-0.215 χ^2/NDF: 526219.1/49

asym_atl_dd_cor_correction_mean vs Slug



Right In: 159.939+/-896.566 χ^2/NDF: 22.5/20

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -35.289+/-312.023 χ^2/NDF: 37.2/26

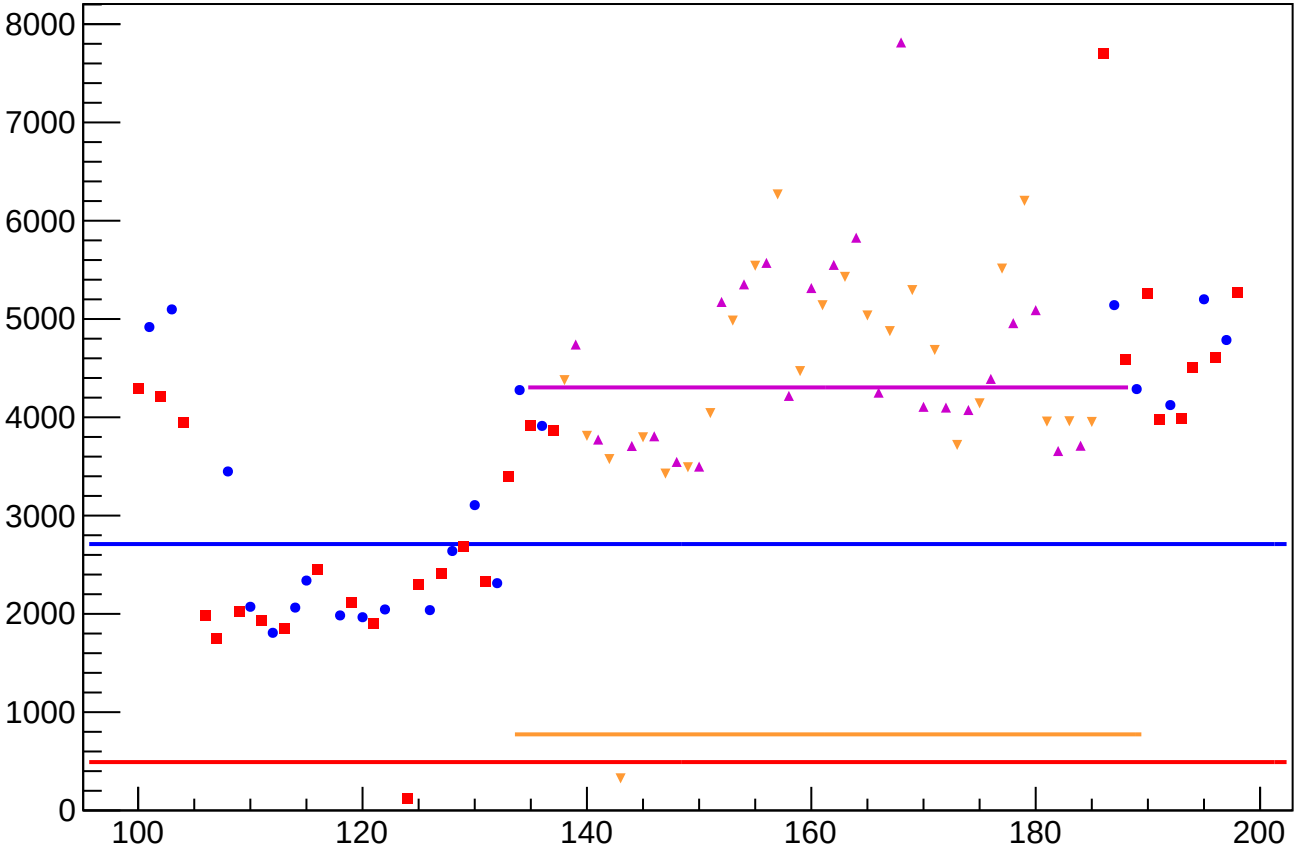
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 189.575+/-320.444 χ^2/NDF: 56.4/45

All: 72.091+/-218.422 χ^2/NDF: 107.1/95

- sign -29.861+/-298.511 χ^2/NDF: 50.5/49

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2710.289+/-0.634 χ^2/NDF: 2786357.1/20

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 492.142+/-0.221 χ^2/NDF: 20069329.6/26

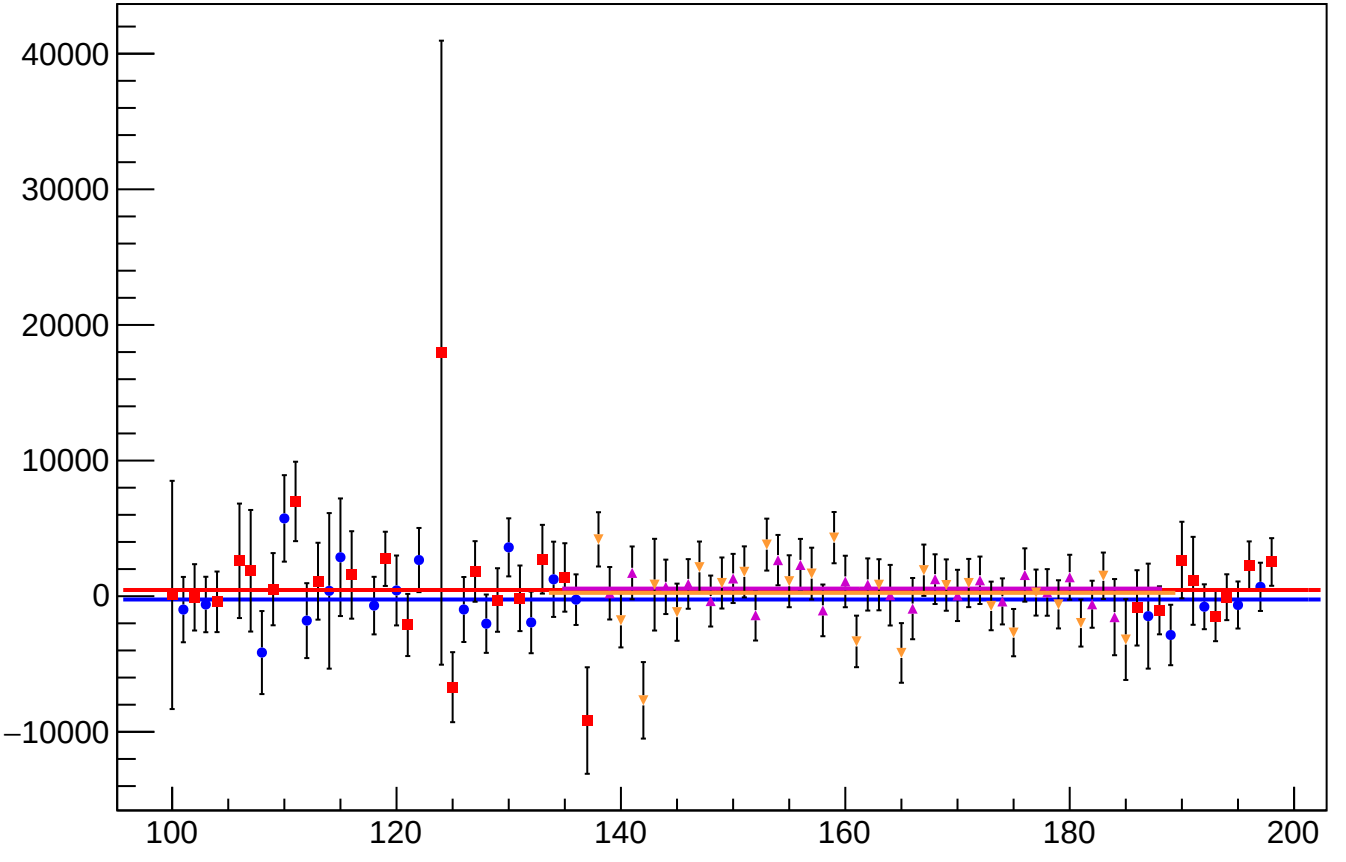
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1021.474+/-0.227 χ^2/NDF: 39008343.4/45

All: 911.005+/-0.154 χ^2/NDF: 86030955.4/95

- sign 815.141+/-0.211 χ^2/NDF: 46578664.0/49

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -243.164+/-507.406 χ^2/NDF: 14.5/20

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 457.829+/-474.721 χ^2/NDF: 29.2/26

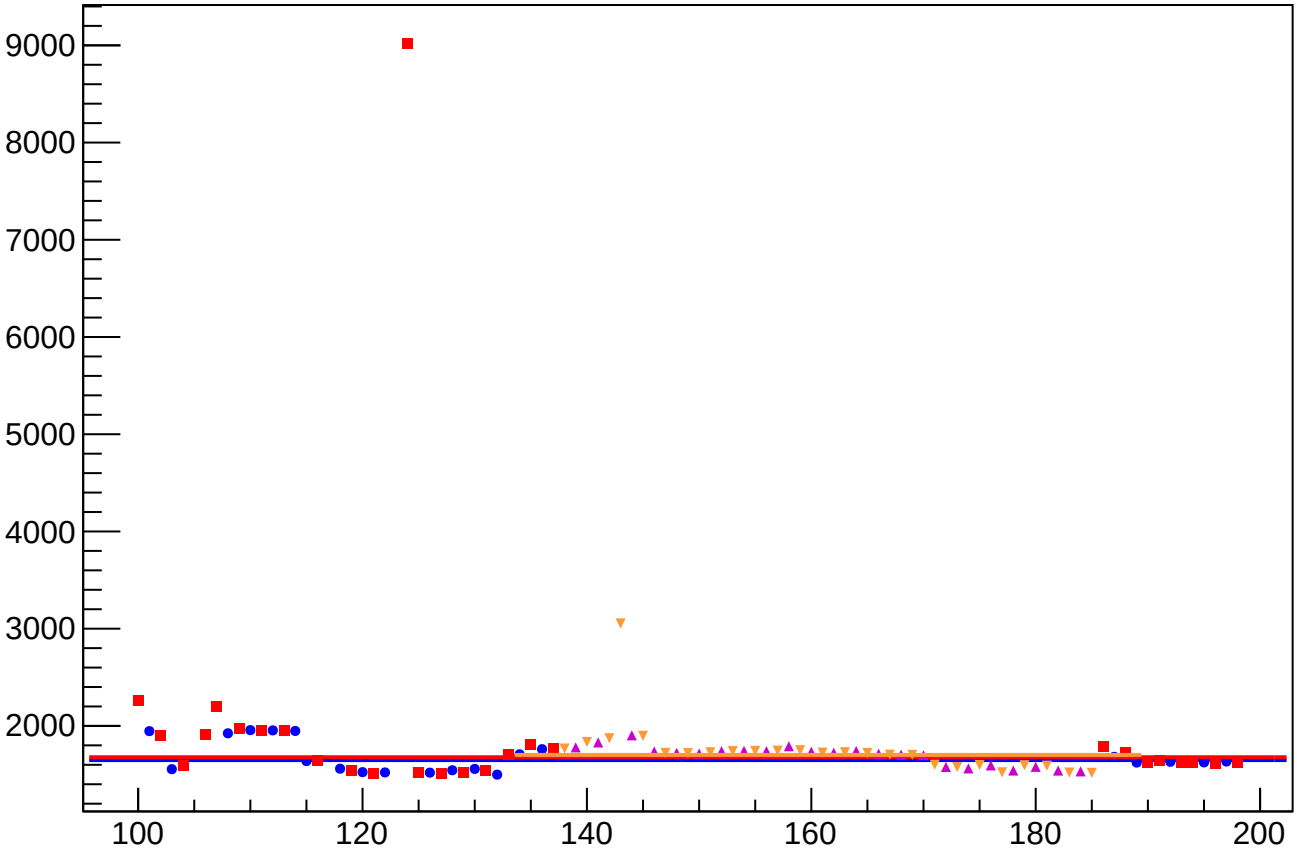
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 66.421+/-308.630 χ^2/NDF: 54.7/45

All: 295.939+/-216.466 χ^2/NDF: 92.5/95

- sign 518.164+/-303.687 χ^2/NDF: 36.8/49

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1648.645+/-0.359 χ^2/NDF: 145517.7/20

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

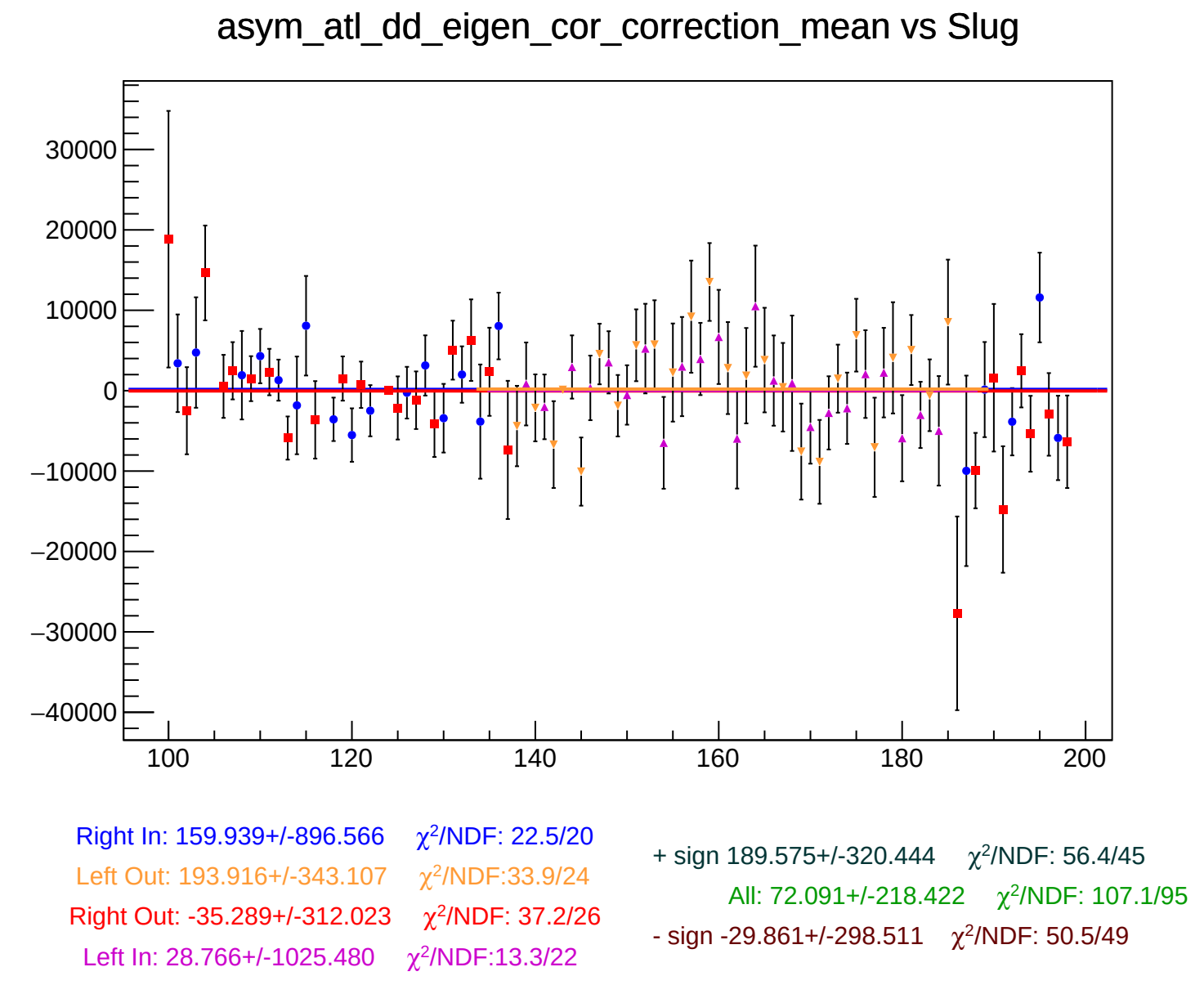
Right Out: 1677.480+/-0.335 χ^2/NDF: 403171.8/26

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

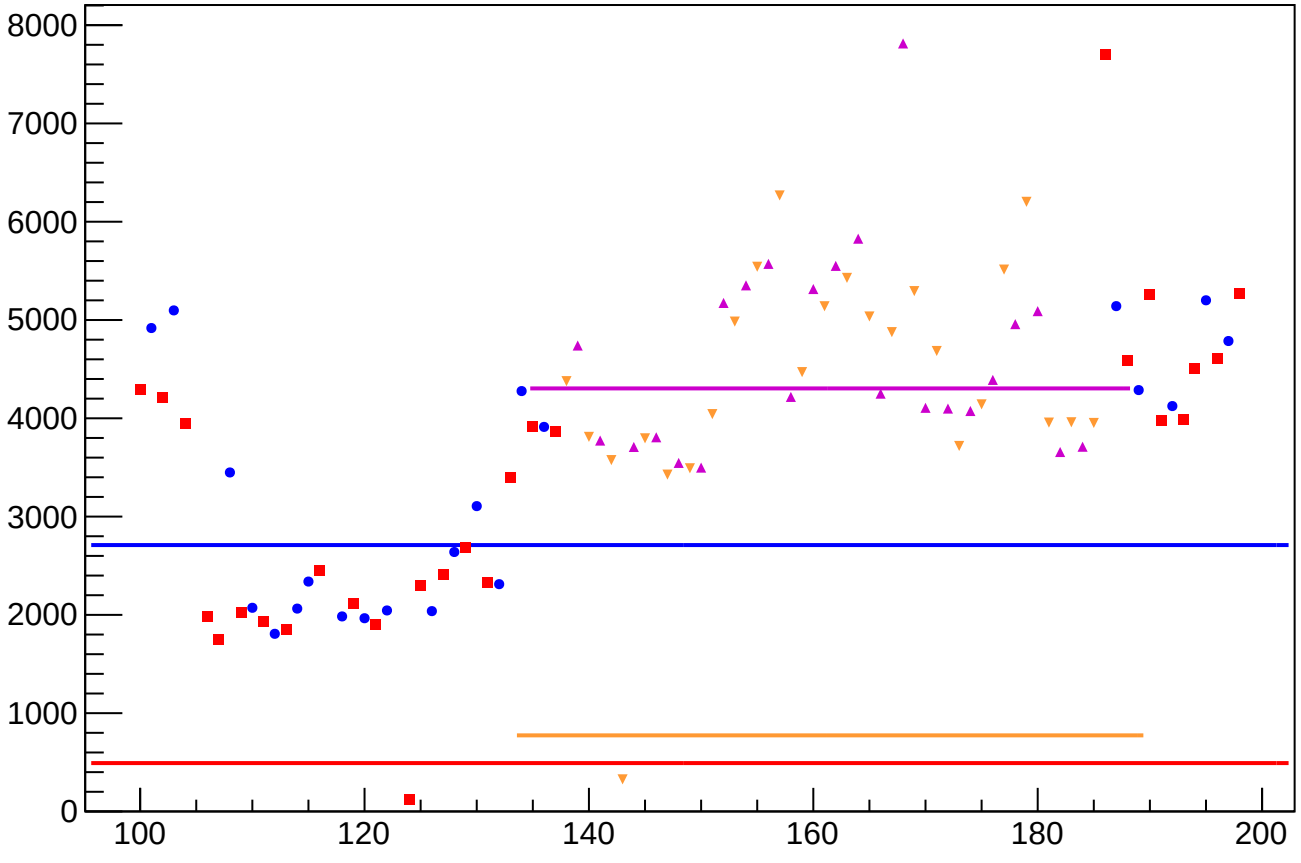
+ sign 1681.997+/-0.218 χ^2/NDF: 611612.3/45

All: 1683.232+/-0.153 χ^2/NDF: 1137894.4/95

- sign 1684.425+/-0.215 χ^2/NDF: 526219.1/49


asym_atl_dd_eigen_cor_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 159.939+/-896.566 χ²/NDF: 22.5/20
Left Out: 193.916+/-343.107 χ²/NDF:33.9/24
Right Out: -35.289+/-312.023 χ²/NDF: 37.2/26
Left In: 28.766+/-1025.480 χ²/NDF:13.3/22
+ sign 189.575+/-320.444 χ²/NDF: 56.4/45
All: 72.091+/-218.422 χ²/NDF: 107.1/95
- sign -29.861+/-298.511 χ²/NDF: 50.5/49

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2710.289+/-0.634 χ^2/NDF: 2786357.1/20

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 492.142+/-0.221 χ^2/NDF: 20069329.6/26

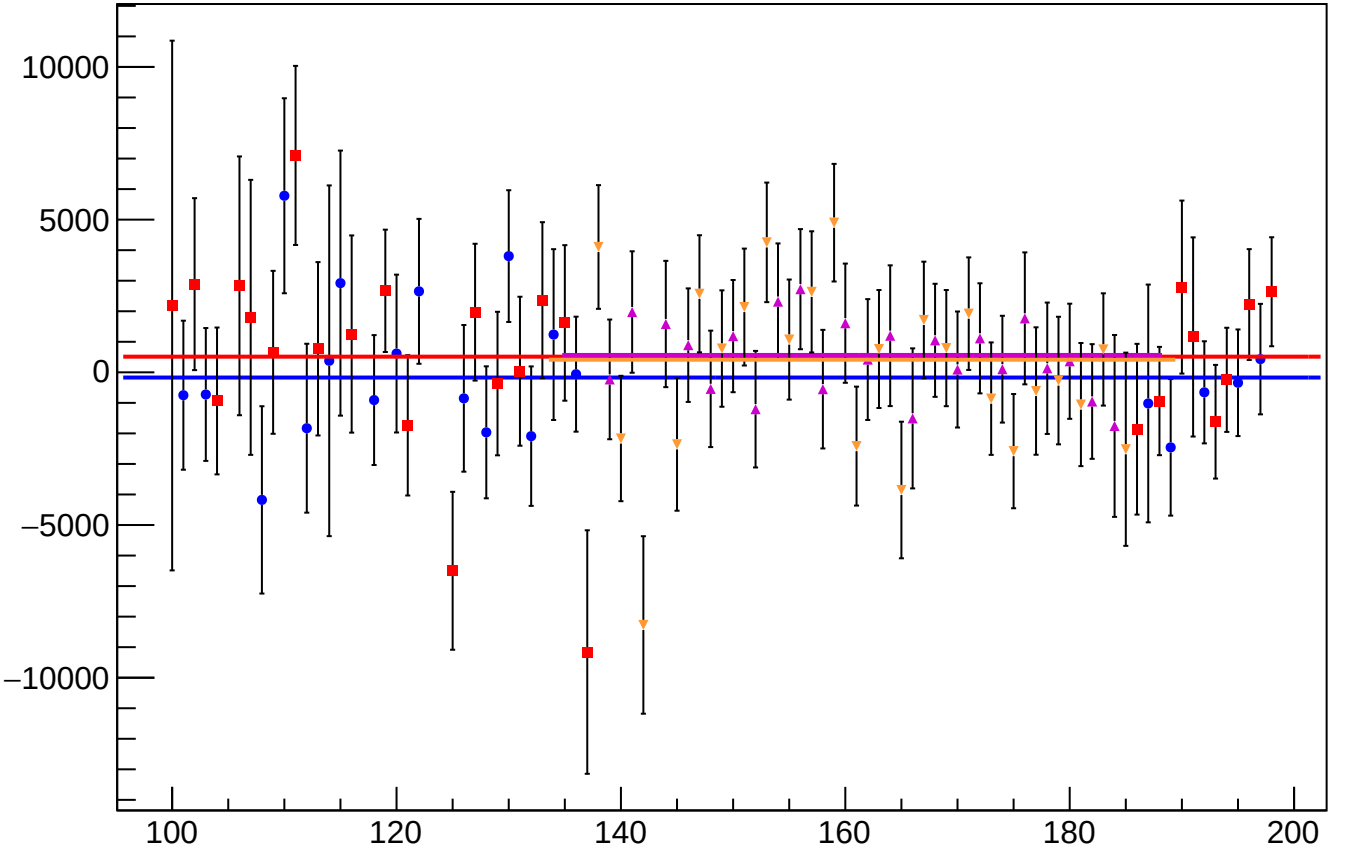
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1021.474+/-0.227 χ^2/NDF: 39008343.4/45

All: 911.005+/-0.154 χ^2/NDF: 86030955.4/95

- sign 815.141+/-0.211 χ^2/NDF: 46578664.0/49

dit_asym_atl_dd_mean vs Slug



Right In: -170.595+/-512.441 χ^2/NDF: 14.2/20

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 512.949+/-481.337 χ^2/NDF: 29.2/25

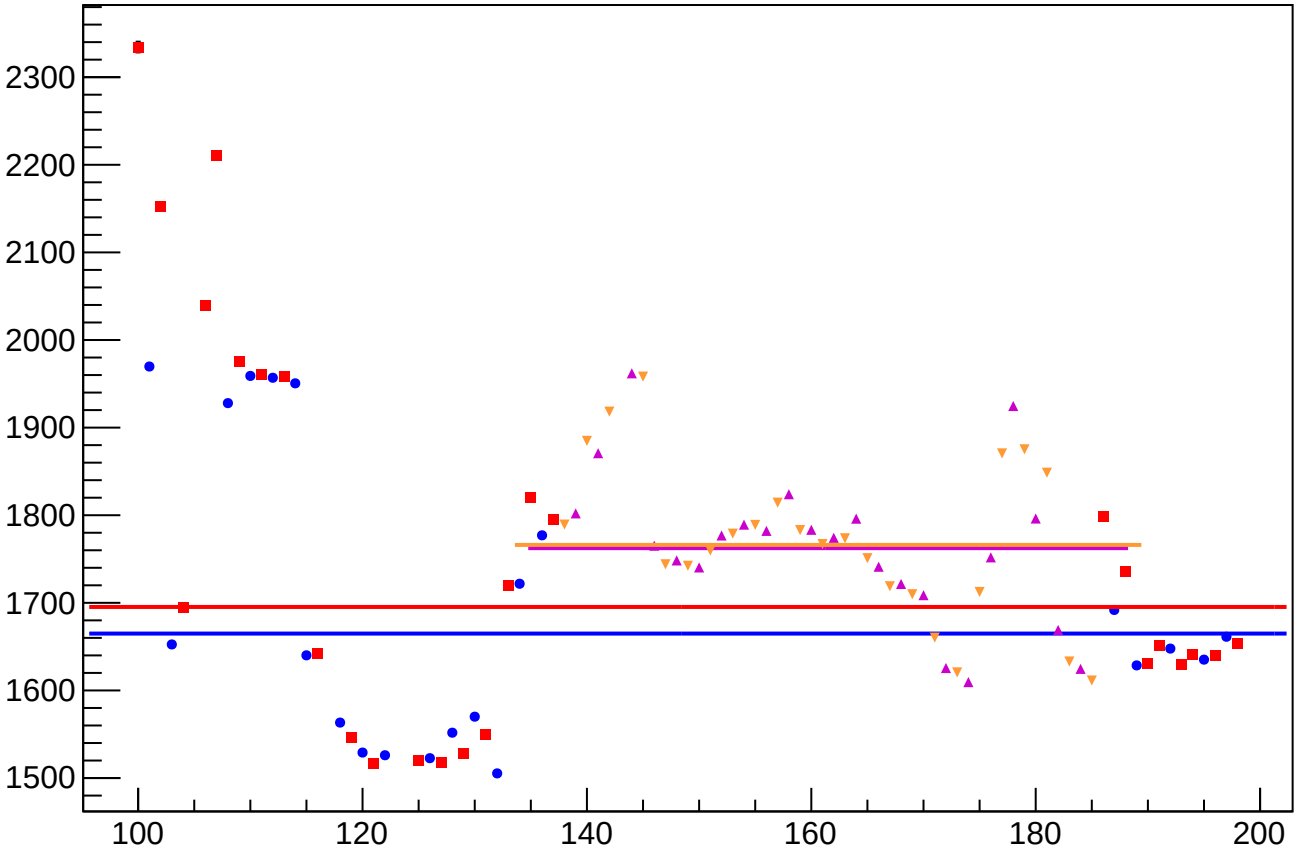
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

\+ sign 185.049+/-320.397 χ^2/NDF: 55.0/44

All: 369.314+/-223.901 χ^2/NDF: 92.6/93

\- sign 545.193+/-313.021 χ^2/NDF: 36.9/48

dit_asym_atl_dd_rms vs Slug



Right In: 1664.914+/-0.362 χ^2/NDF: 142691.7/20

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1695.302+/-0.340 χ^2/NDF: 242756.2/25

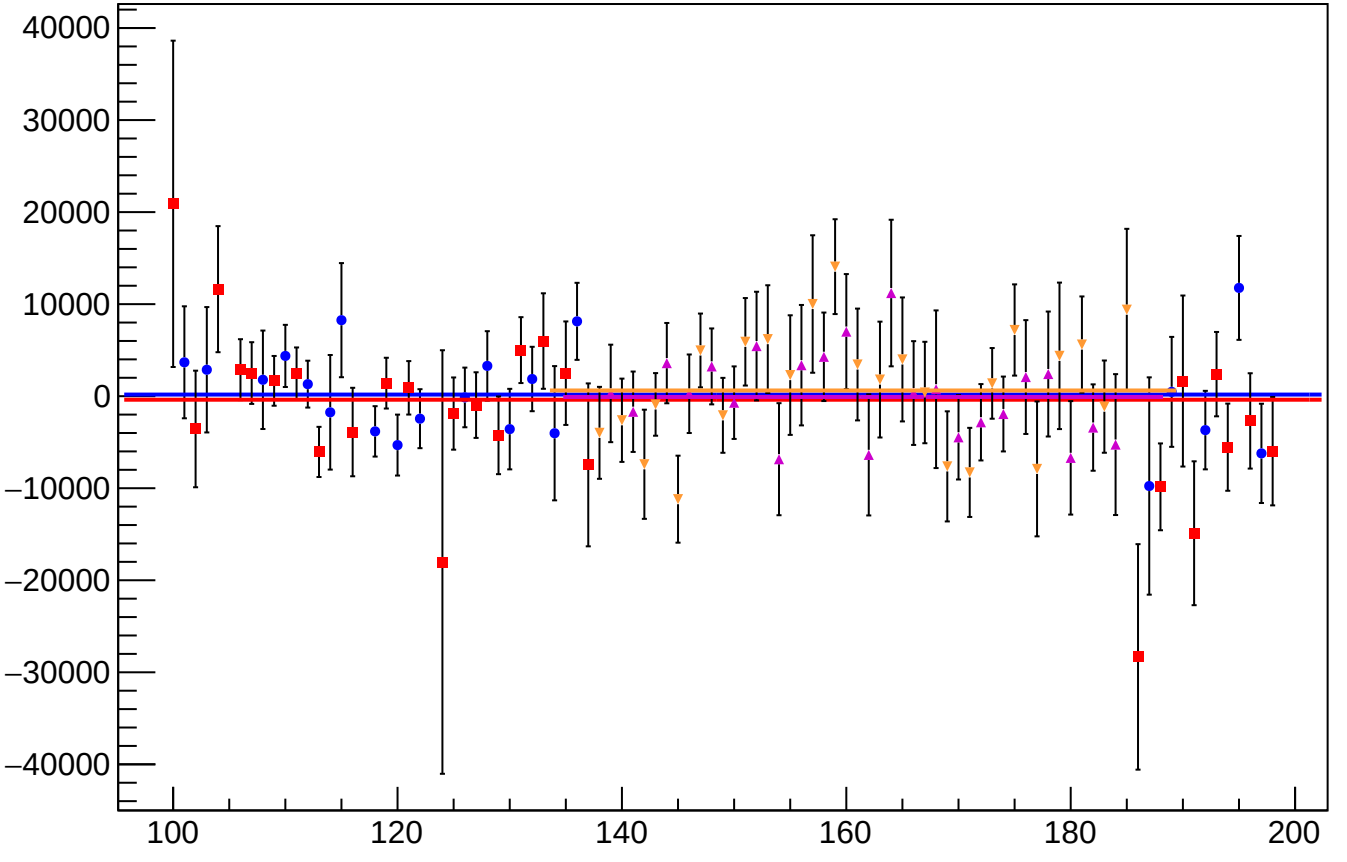
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1726.553+/-0.227 χ^2/NDF: 273454.2/44

All: 1730.357+/-0.158 χ^2/NDF: 619316.8/93

- sign 1733.984+/-0.221 χ^2/NDF: 345311.9/48

asym_atl_dd_dit_correction_mean vs Slug



Right In: 174.645+/-901.484 χ^2/NDF: 22.4/20

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -383.675+/-811.742 χ^2/NDF: 35.2/26

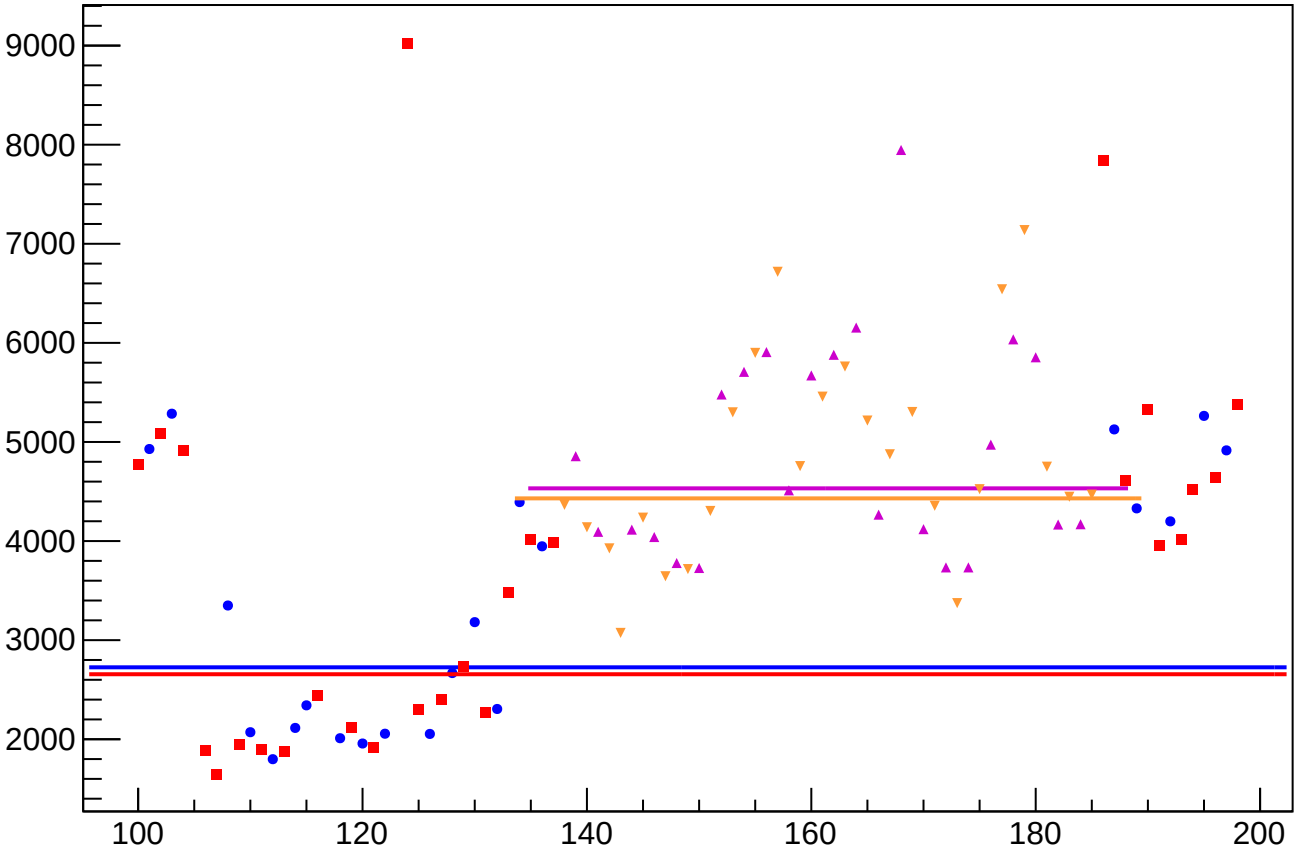
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 366.686+/-679.685 χ^2/NDF: 55.6/45

All: 30.535+/-469.549 χ^2/NDF: 104.2/95

- sign -276.359+/-649.434 χ^2/NDF: 48.2/49

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2725.969+/-0.637 χ^2/NDF: 2882105.0/20

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

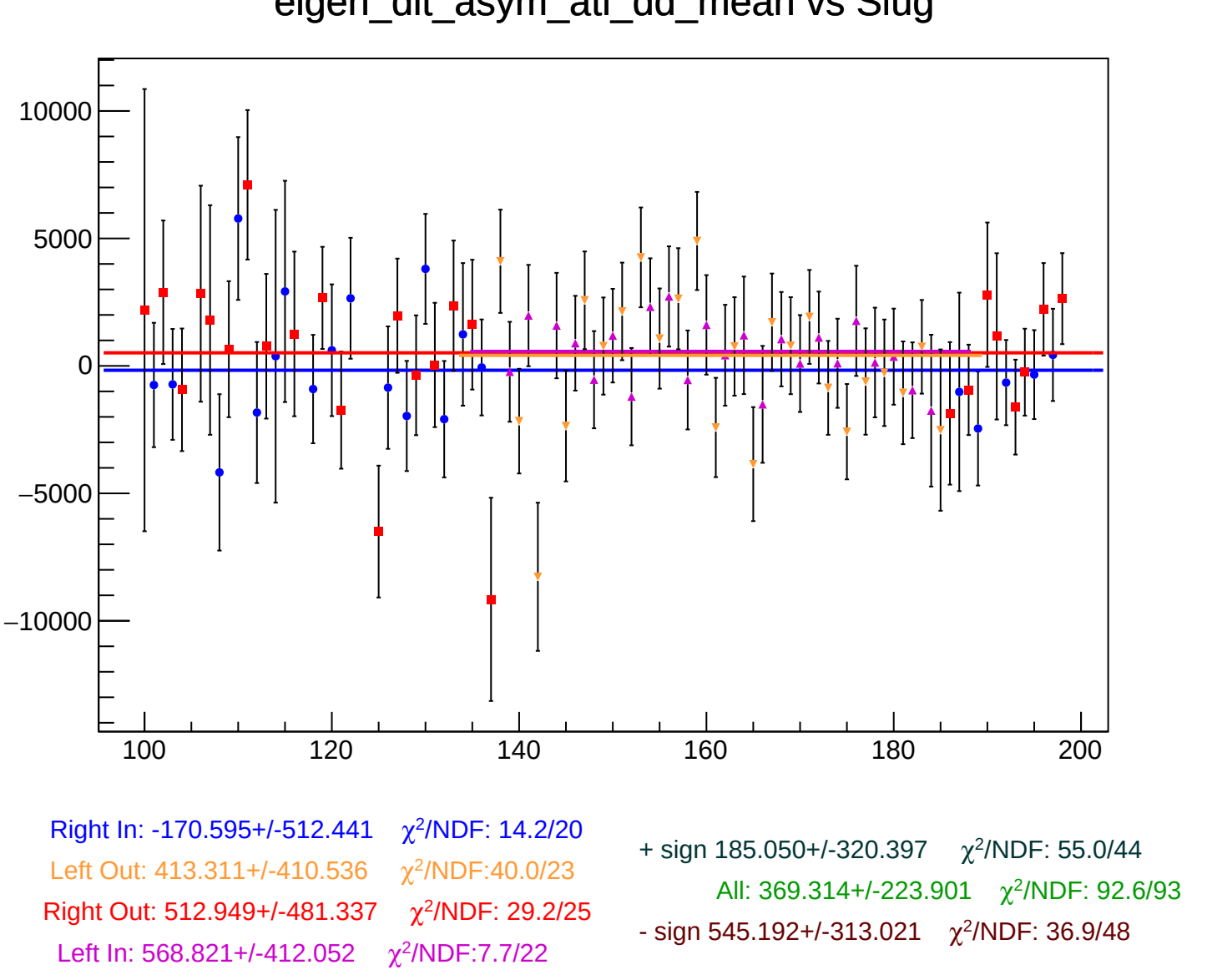
Right Out: 2656.109+/-0.574 χ^2/NDF: 4029291.8/26

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

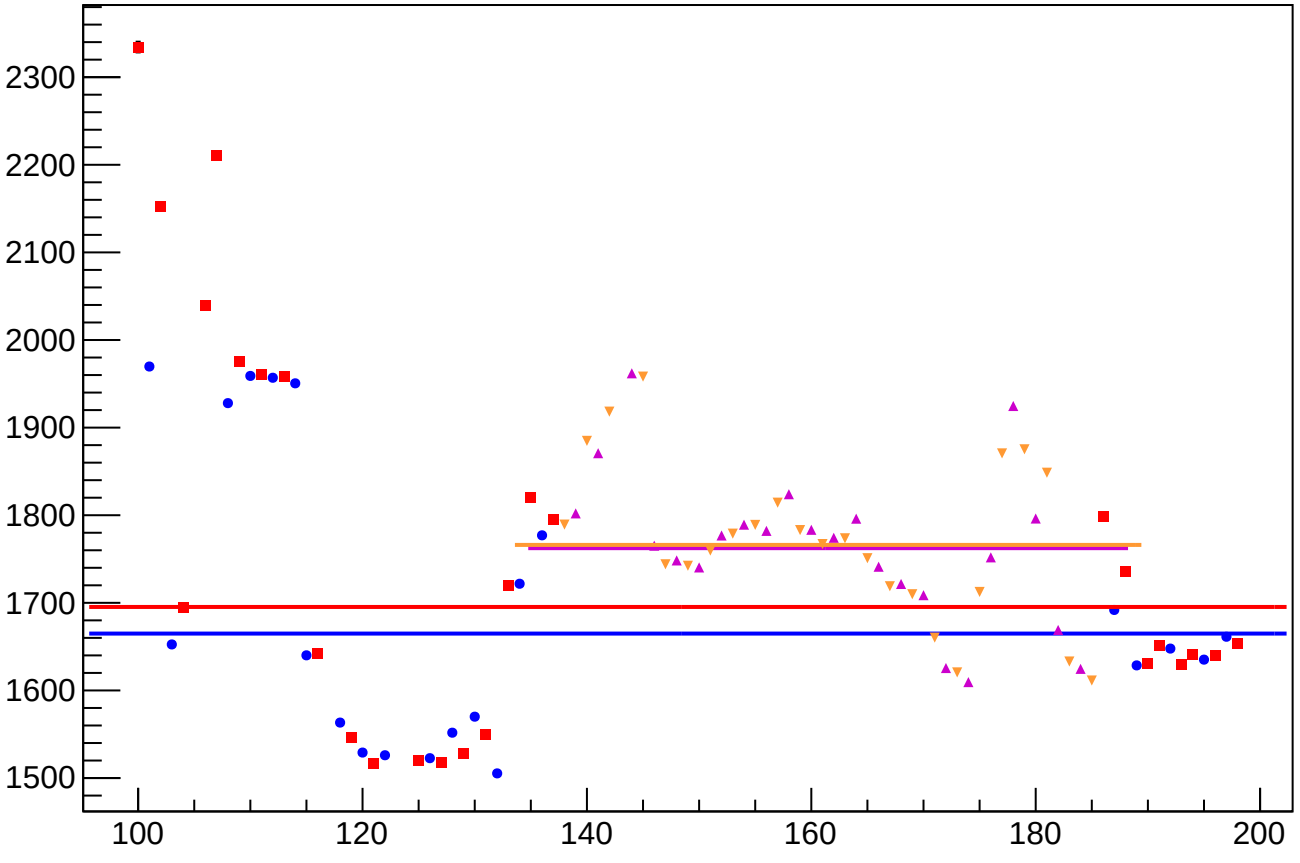
+ sign 3461.671+/-0.481 χ^2/NDF: 7582094.8/45

All: 3393.500+/-0.332 χ^2/NDF: 16870408.2/9

- sign 3331.262+/-0.459 χ^2/NDF: 9249825.6/49


eigen_dit_asym_atl_dd_mean vs Slug
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -170.595+/-512.441 χ²/NDF: 14.2/20
Left Out: 413.311+/-410.536 χ²/NDF:40.0/23
Right Out: 512.949+/-481.337 χ²/NDF: 29.2/25
Left In: 568.821+/-412.052 χ²/NDF:7.7/22
+ sign 185.050+/-320.397 χ²/NDF: 55.0/44
All: 369.314+/-223.901 χ²/NDF: 92.6/93
- sign 545.192+/-313.021 χ²/NDF: 36.9/48

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1664.914+/-0.362 χ^2/NDF: 142691.7/20

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

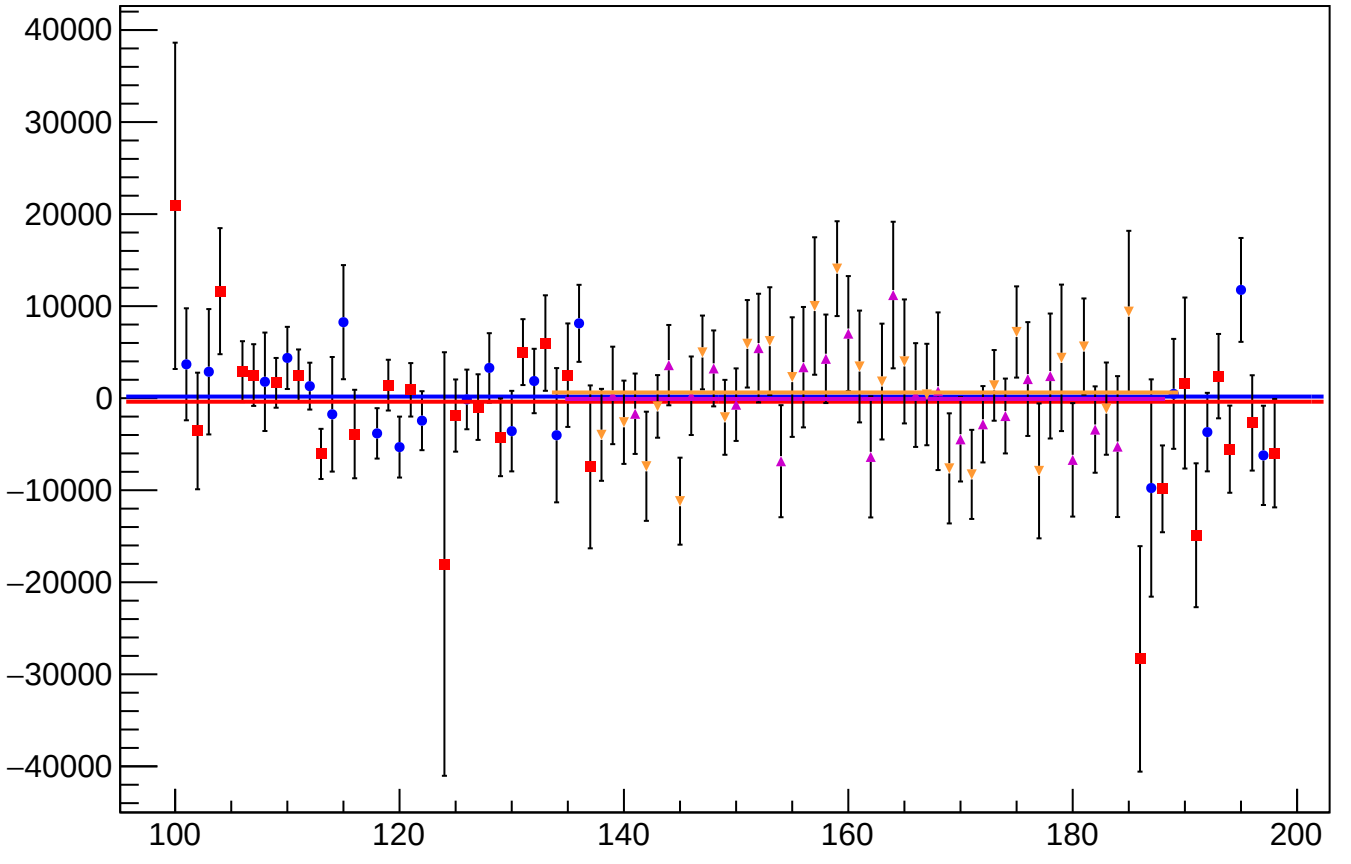
Right Out: 1695.302+/-0.340 χ^2/NDF: 242755.2/25

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1726.554+/-0.227 χ^2/NDF: 273458.1/44

All: 1730.358+/-0.158 χ^2/NDF: 619323.1/93

- sign 1733.985+/-0.221 χ^2/NDF: 345314.3/48



Right In: 174.640+/-901.481 χ^2/NDF: 22.4/20

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -383.669+/-811.740 χ^2/NDF: 35.2/26

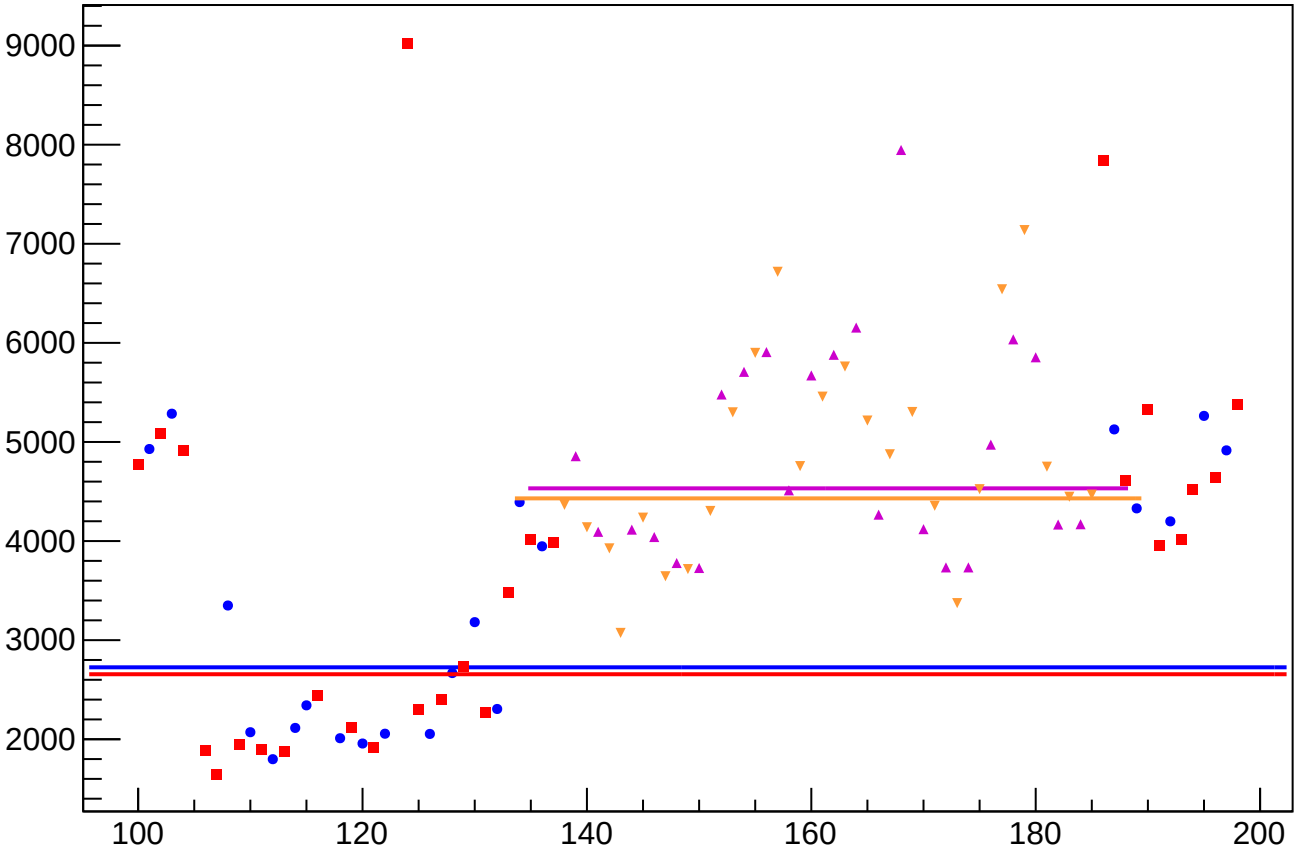
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 366.684+/-679.684 χ^2/NDF: 55.6/45

All: 30.536+/-469.549 χ^2/NDF: 104.2/95

- sign -276.356+/-649.433 χ^2/NDF: 48.2/49

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2725.958+/-0.637 χ^2/NDF: 2882139.6/20

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2656.100+/-0.574 χ^2/NDF: 4029325.4/26

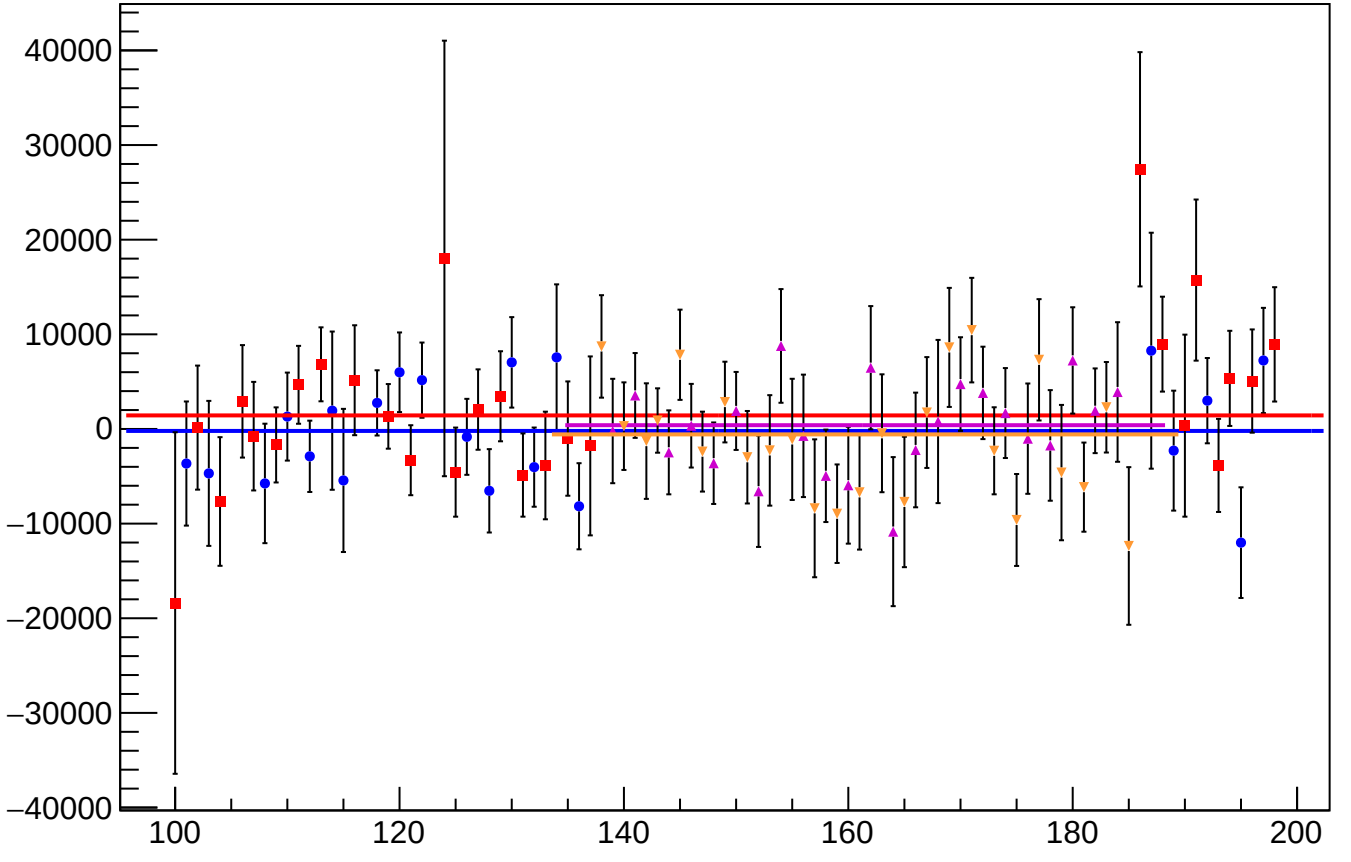
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

\+ sign 3461.664+/-0.481 χ^2/NDF: 7582199.6/45

All: 3393.493+/-0.332 χ^2/NDF: 16870614.3/9

\- sign 3331.255+/-0.459 χ^2/NDF: 9249926.9/49

asym_atl_dd_mean vs Slug



Right In: -207.344+/-1091.265 χ^2/NDF: 23.5/20

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1432.756+/-1018.457 χ^2/NDF: 27.2/26

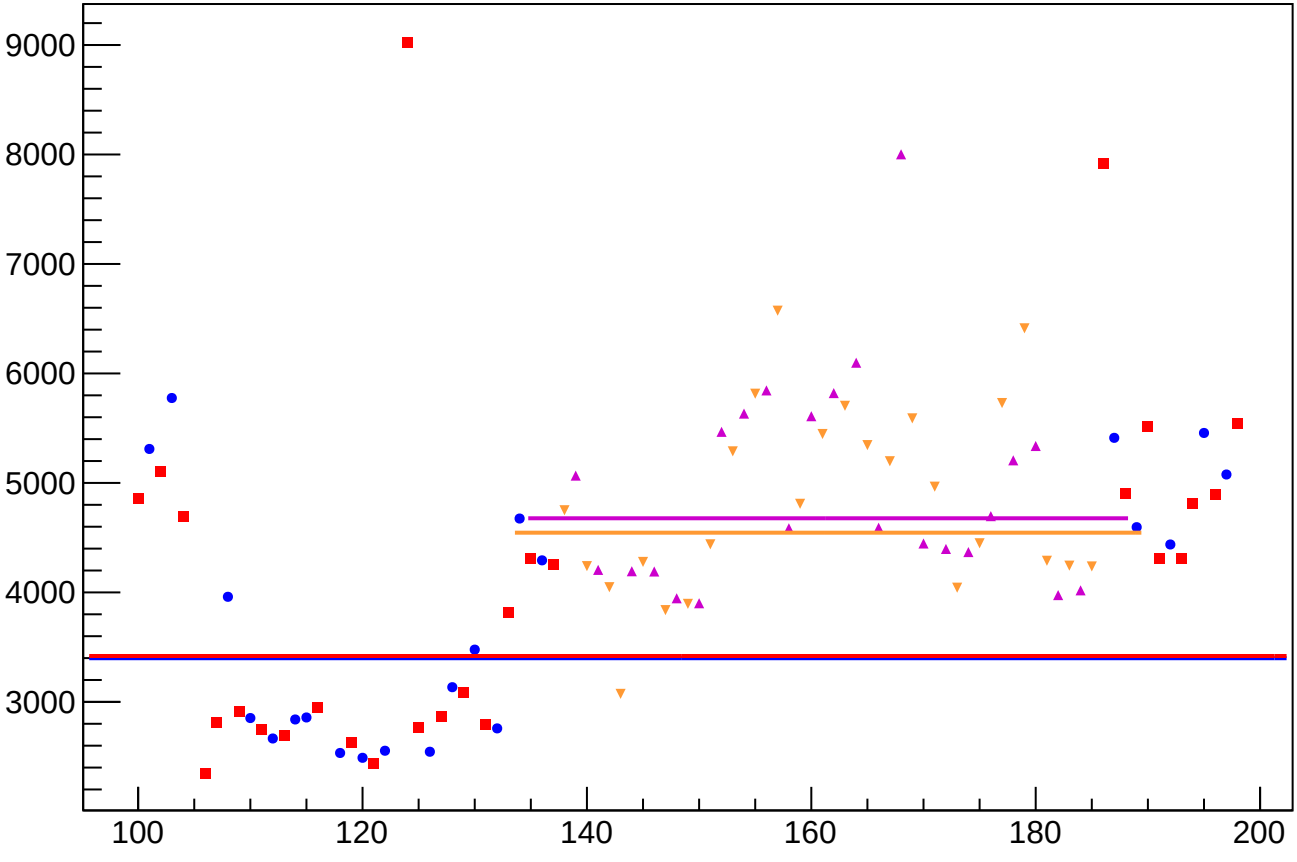
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -396.440+/-758.433 χ^2/NDF: 52.3/45

All: 288.983+/-533.387 χ^2/NDF: 95.7/95

- sign 959.748+/-750.280 χ^2/NDF: 41.7/49

asym_atl_dd_rms vs Slug



Right In: 3398.897+/-0.772 χ^2/NDF: 1747852.0/20

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

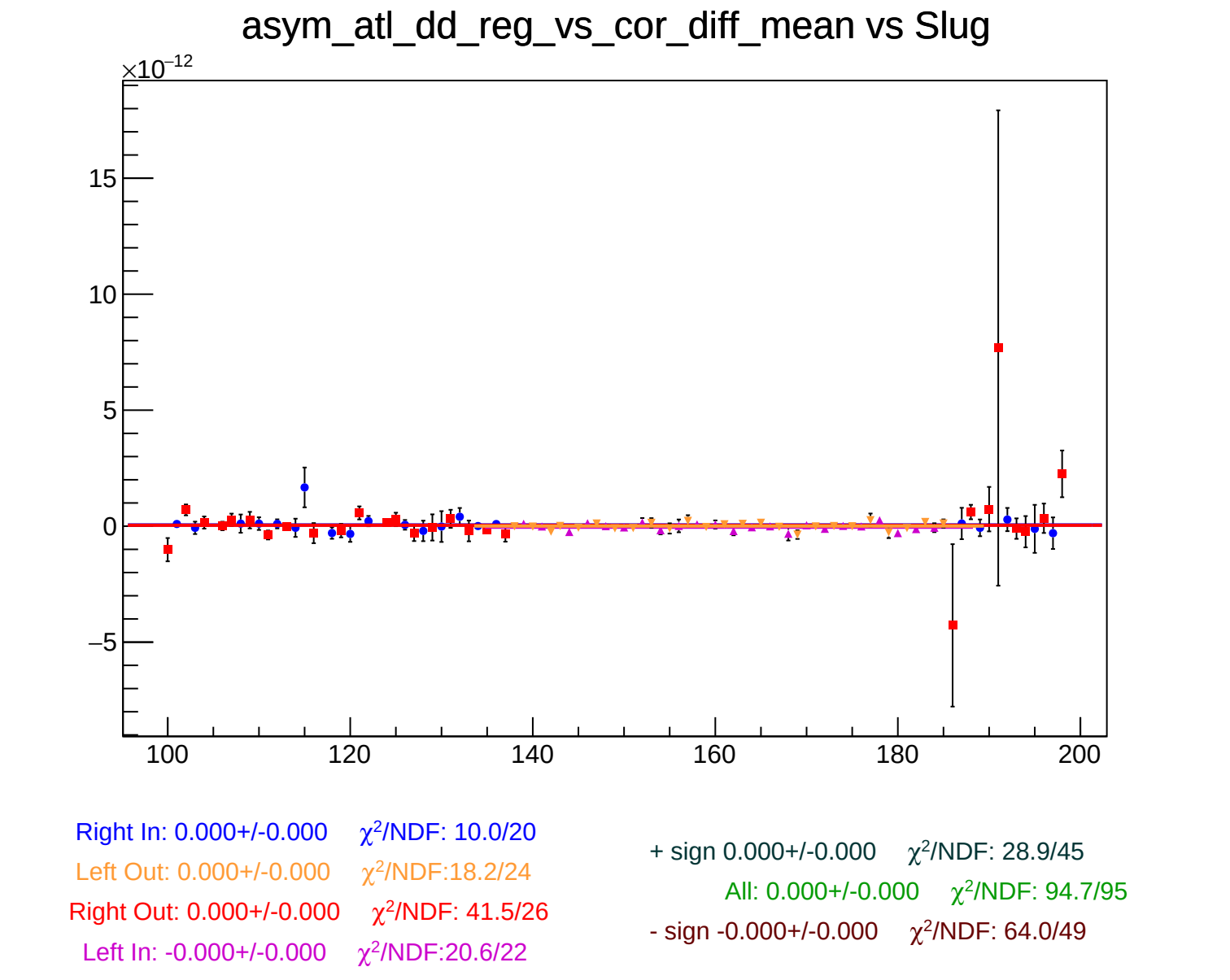
Right Out: 3419.137+/-0.713 χ^2/NDF: 2246038.0/26

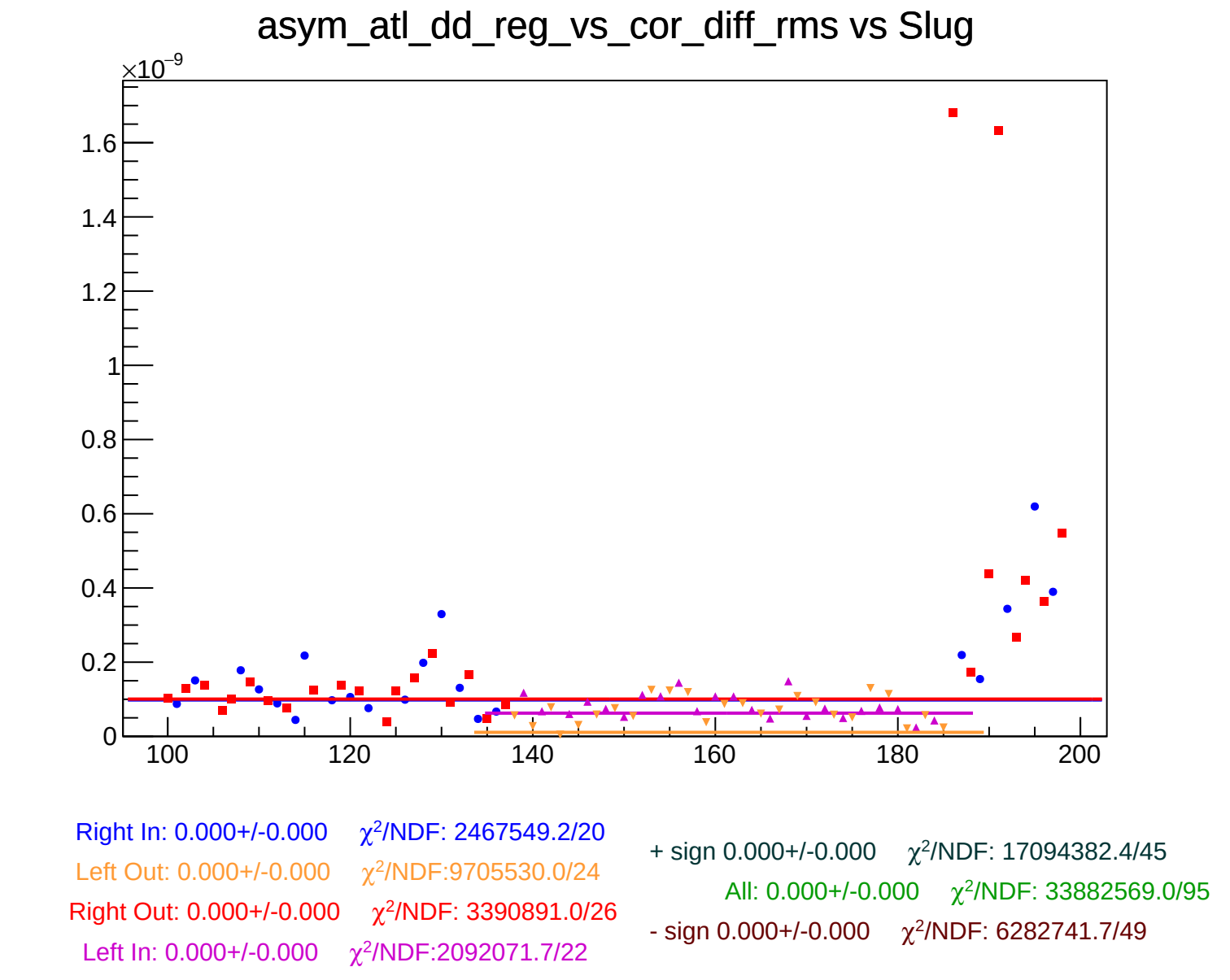
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

\+ sign 3991.652+/-0.536 χ^2/NDF: 4147827.9/45

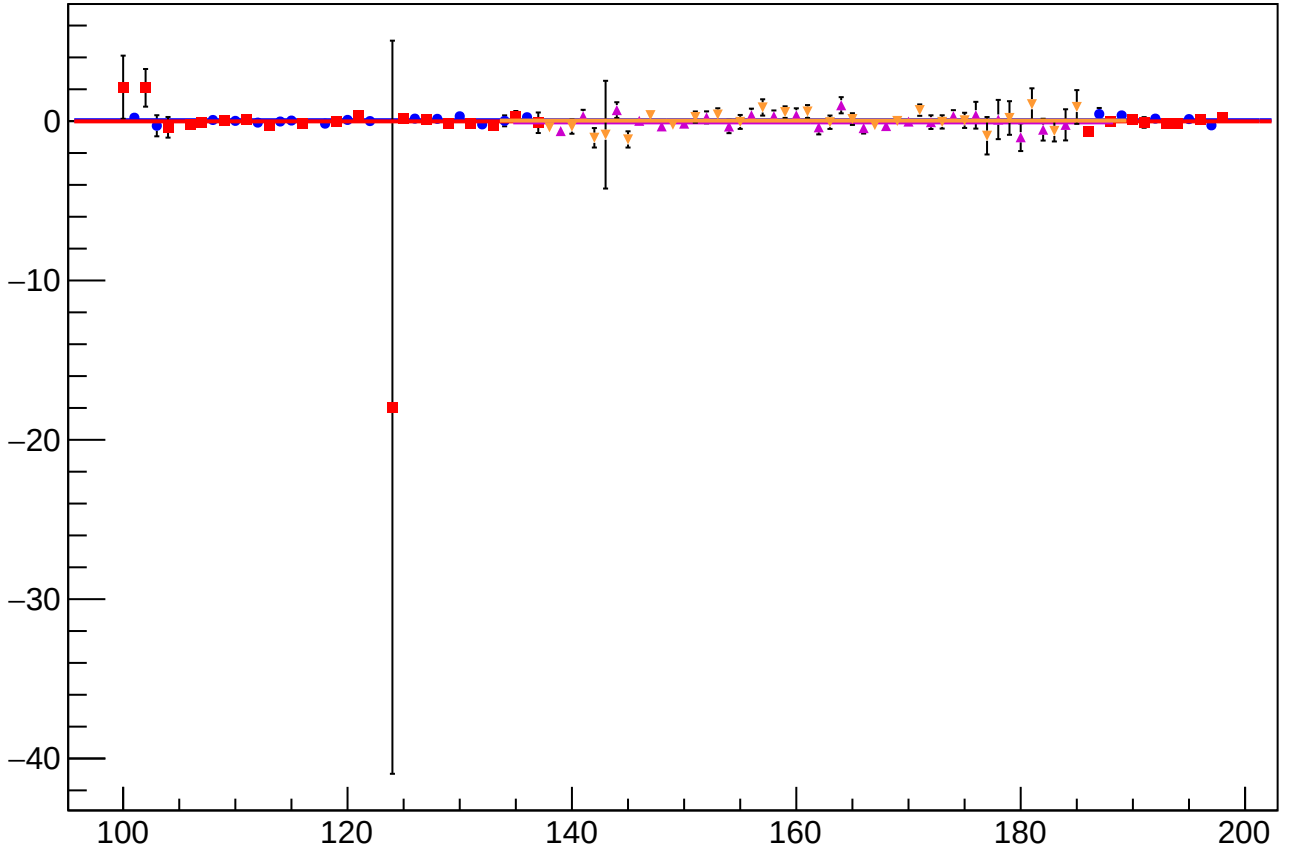
All: 3989.670+/-0.376 χ^2/NDF: 8762547.9/95

\- sign 3987.753+/-0.527 χ^2/NDF: 4614693.1/49


asym_atl_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
15
10
5
0
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 10.0/20
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.5/26
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
+ sign 0.000+/-0.000 χ²/NDF: 28.9/45
All: 0.000+/-0.000 χ²/NDF: 94.7/95
- sign -0.000+/-0.000 χ²/NDF: 64.0/49


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2467549.2/20
Left Out: 0.000+/-0.000 χ²/NDF:9705530.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 3390891.0/26
Left In: 0.000+/-0.000 χ²/NDF:2092071.7/22
+ sign 0.000+/-0.000 χ²/NDF: 17094382.4/45
All: 0.000+/-0.000 χ²/NDF: 33882569.0/95
- sign 0.000+/-0.000 χ²/NDF: 6282741.7/49

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.035 χ^2/NDF: 30.5/26

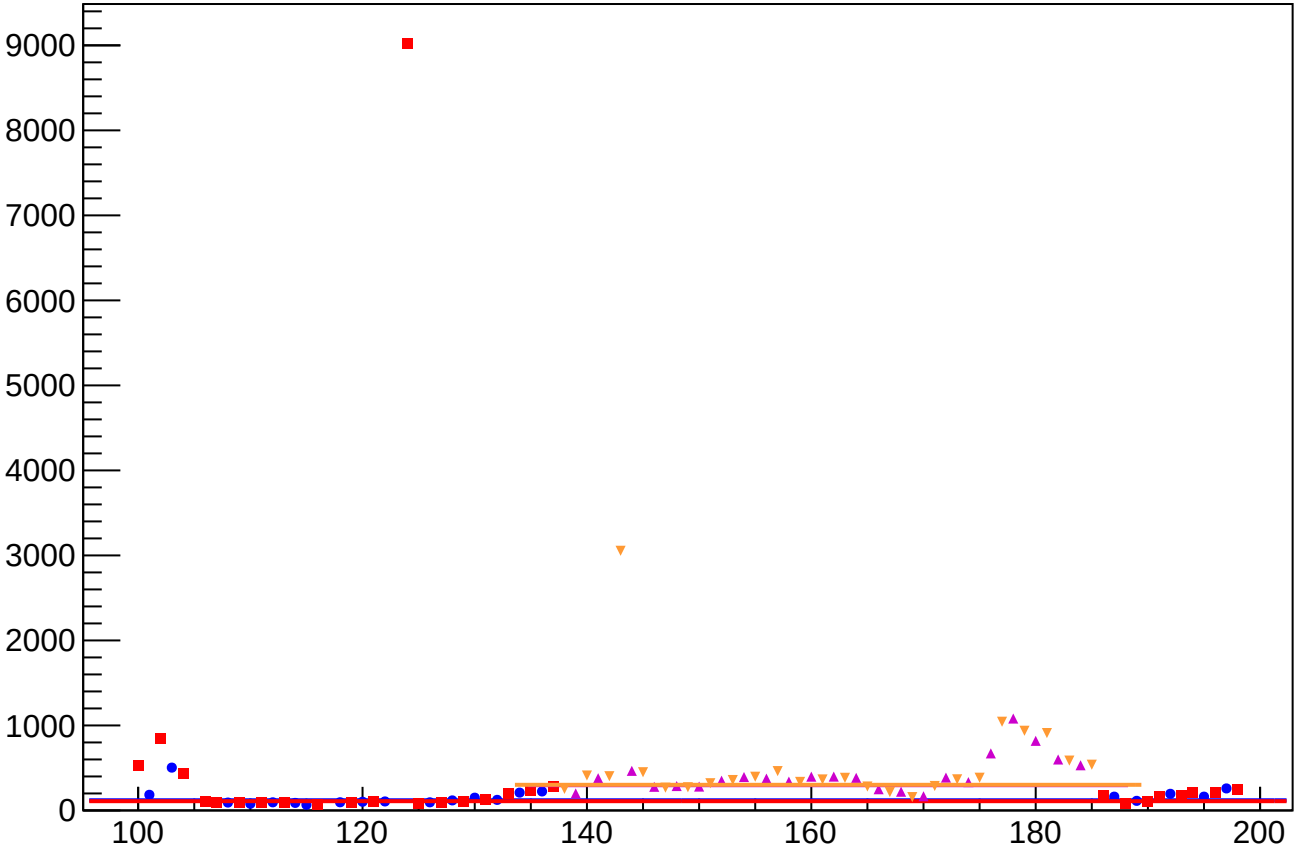
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.054+/-0.036 χ^2/NDF: 45.3/45

All: 0.010+/-0.024 χ^2/NDF: 103.2/95

- sign -0.025+/-0.032 χ^2/NDF: 55.2/49

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 119.810+/-0.029 χ^2/NDF: 2892619.3/20

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 109.068+/-0.025 χ^2/NDF: 4554301.2/26

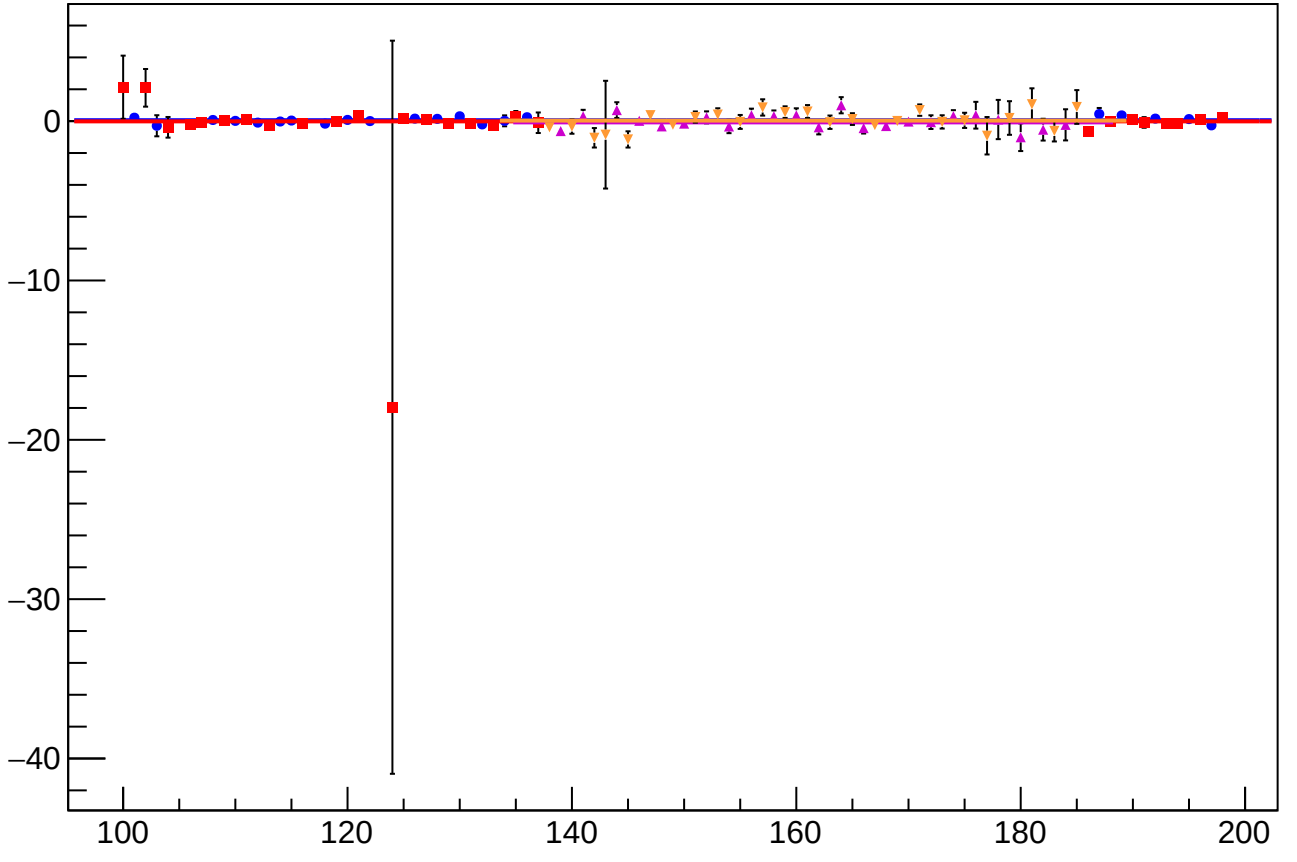
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.792+/-0.026 χ^2/NDF: 18312178.6/45

All: 150.133+/-0.017 χ^2/NDF: 38146508.0/95

- sign 142.540+/-0.023 χ^2/NDF: 19578108.5/49

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.035 χ^2/NDF: 30.5/26

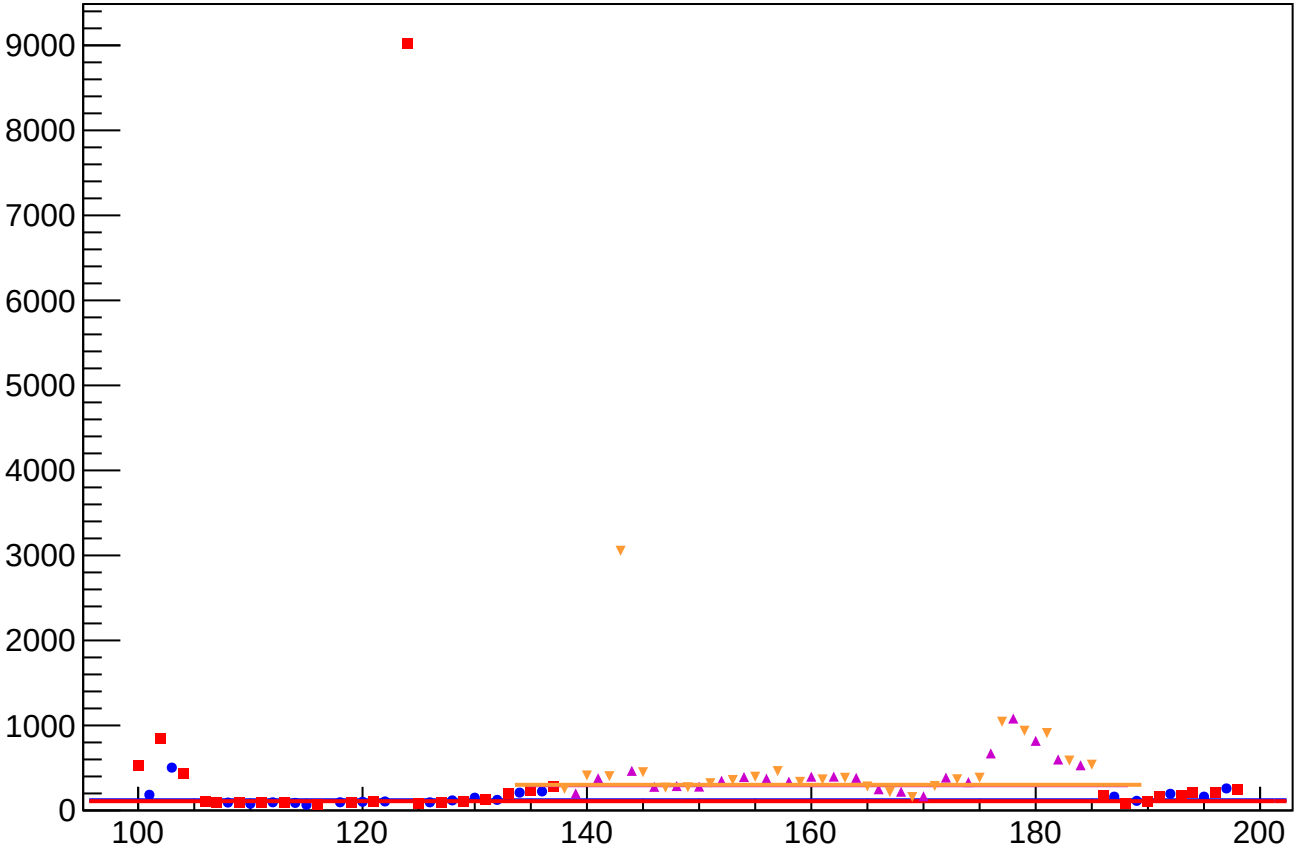
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.054+/-0.036 χ^2/NDF: 45.3/45

All: 0.010+/-0.024 χ^2/NDF: 103.2/95

- sign -0.025+/-0.032 χ^2/NDF: 55.2/49

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 119.810+/-0.029 χ^2/NDF: 2892619.3/20

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

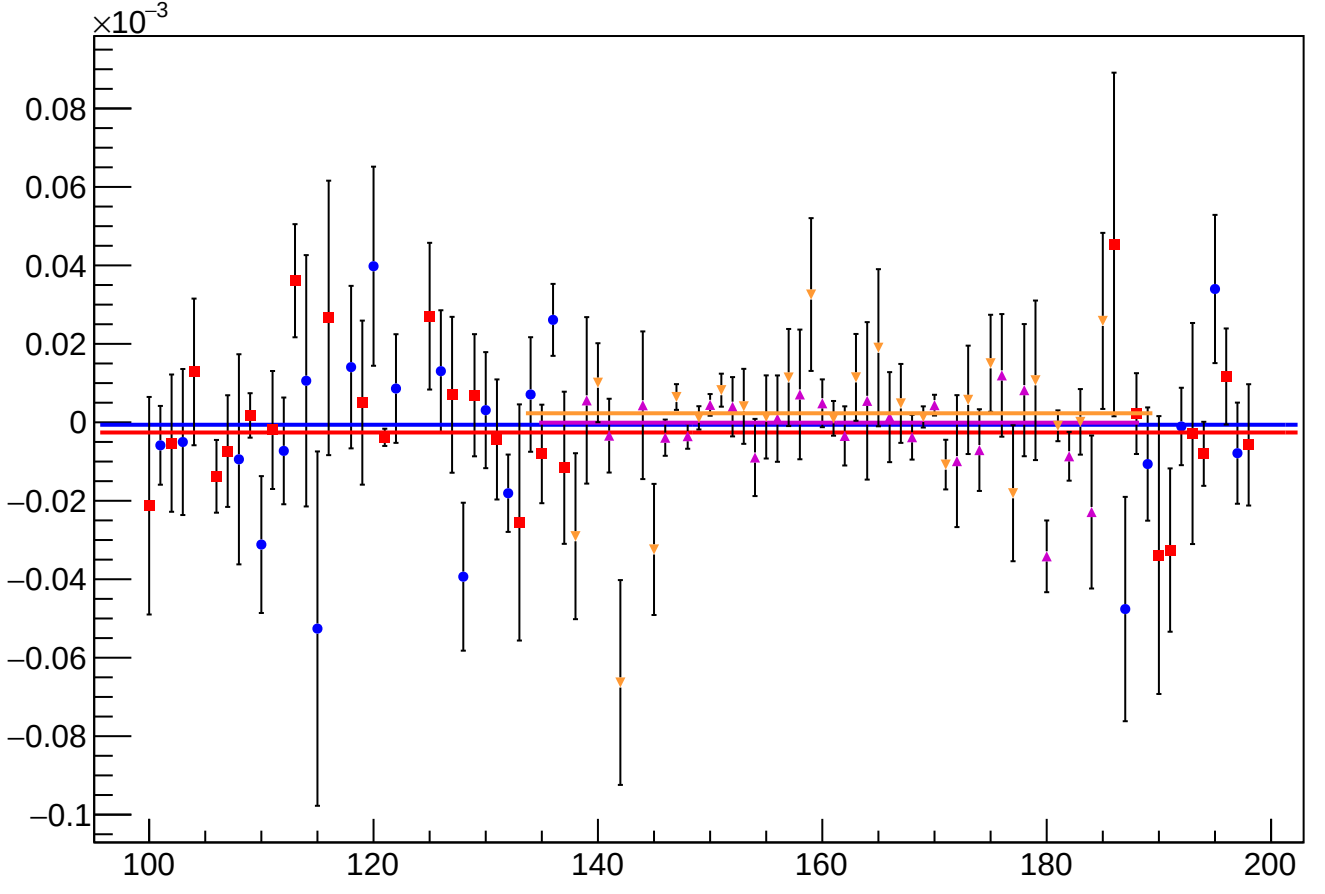
Right Out: 109.068+/-0.025 χ^2/NDF: 4554301.2/26

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.792+/-0.026 χ^2/NDF: 18312178.6/45

All: 150.133+/-0.017 χ^2/NDF: 38146508.0/95

- sign 142.540+/-0.023 χ^2/NDF: 19578108.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/25

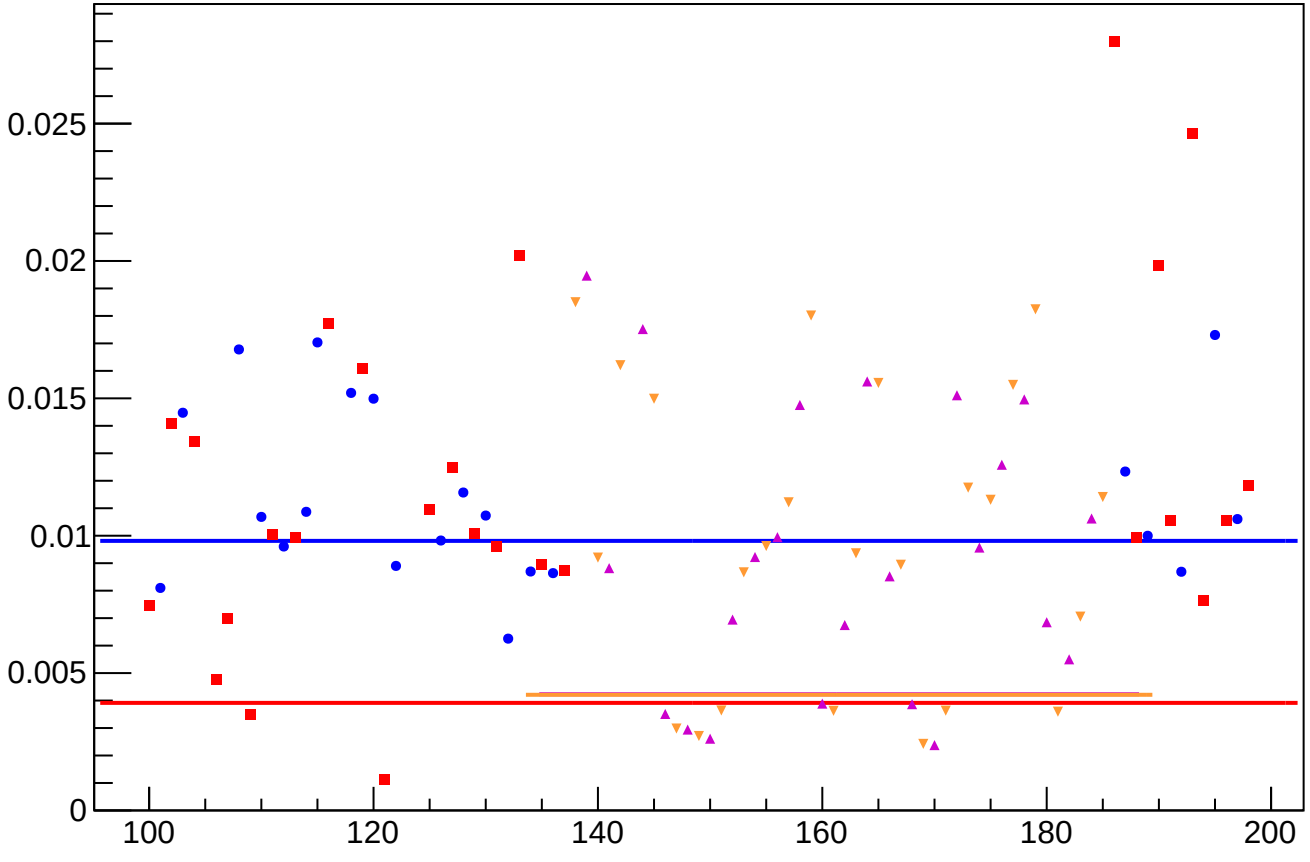
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/44

All: 0.000+/-0.000 χ^2/NDF: 120.2/93

- sign -0.000+/-0.000 χ^2/NDF: 52.3/48

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1299473.9/20

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13060524.6/25

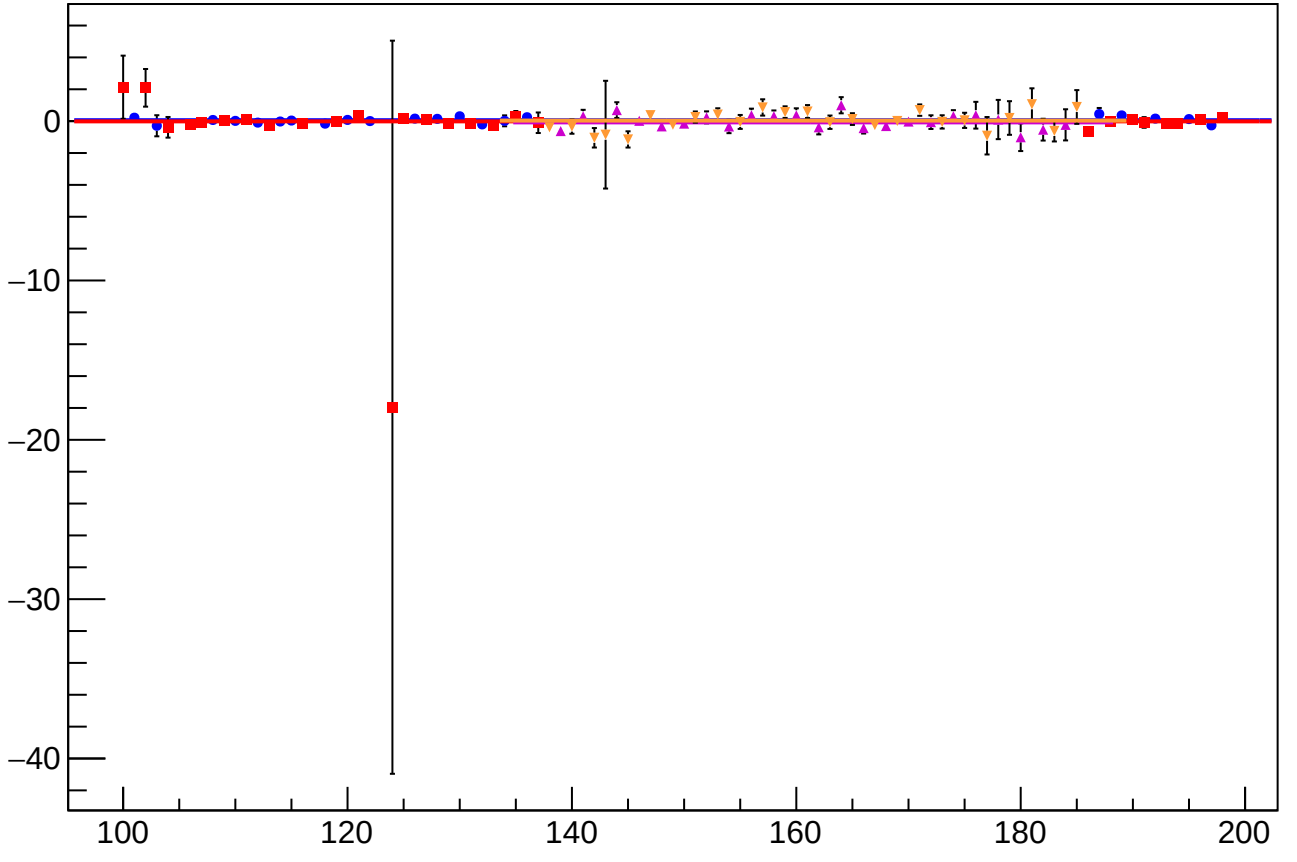
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 18665471.4/44

All: 0.004+/-0.000 χ^2/NDF: 43374358.1/93

- sign 0.004+/-0.000 χ^2/NDF: 24137884.2/48

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.035 χ^2/NDF: 30.5/26

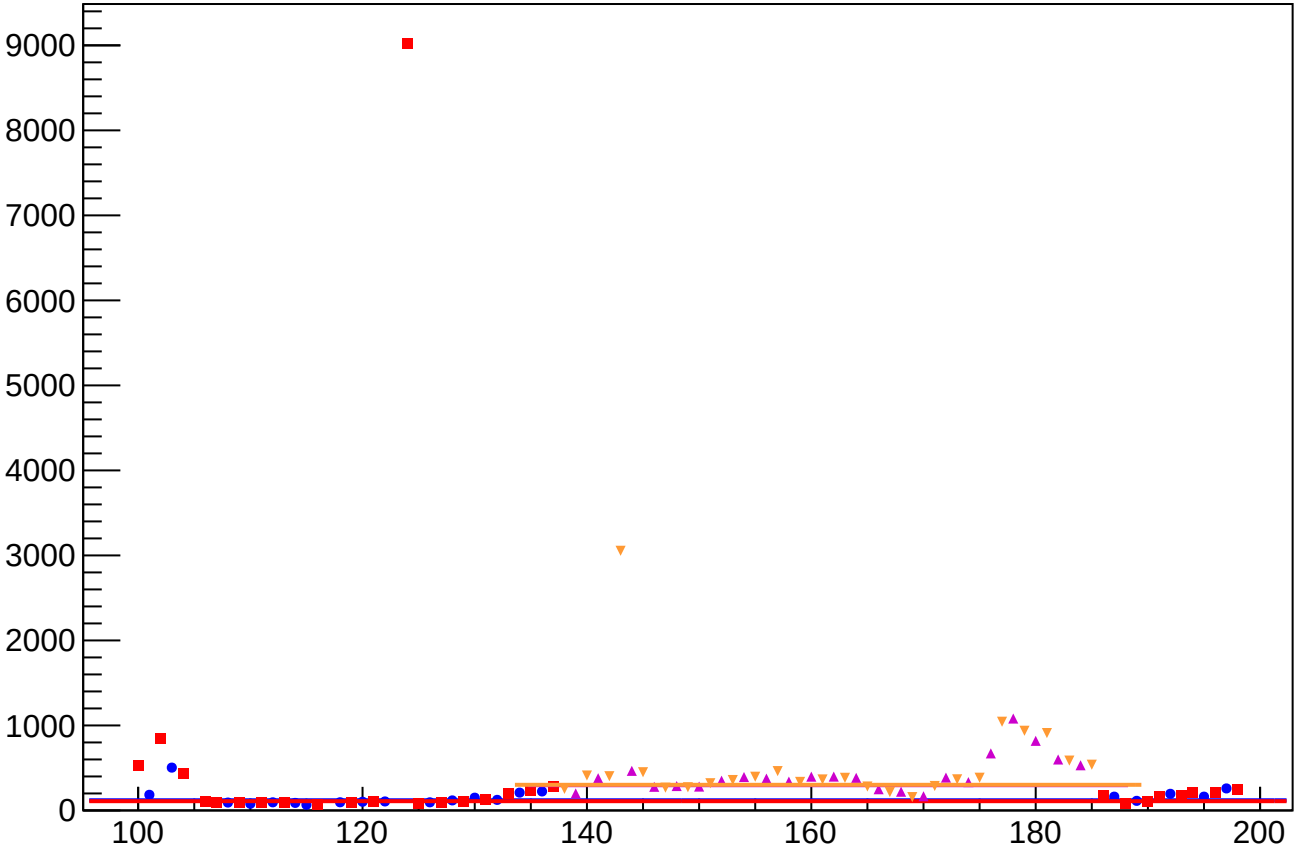
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.054+/-0.036 χ^2/NDF: 45.3/45

All: 0.010+/-0.024 χ^2/NDF: 103.2/95

- sign -0.025+/-0.032 χ^2/NDF: 55.2/49

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 119.810+/-0.029 χ^2/NDF: 2892571.3/20

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

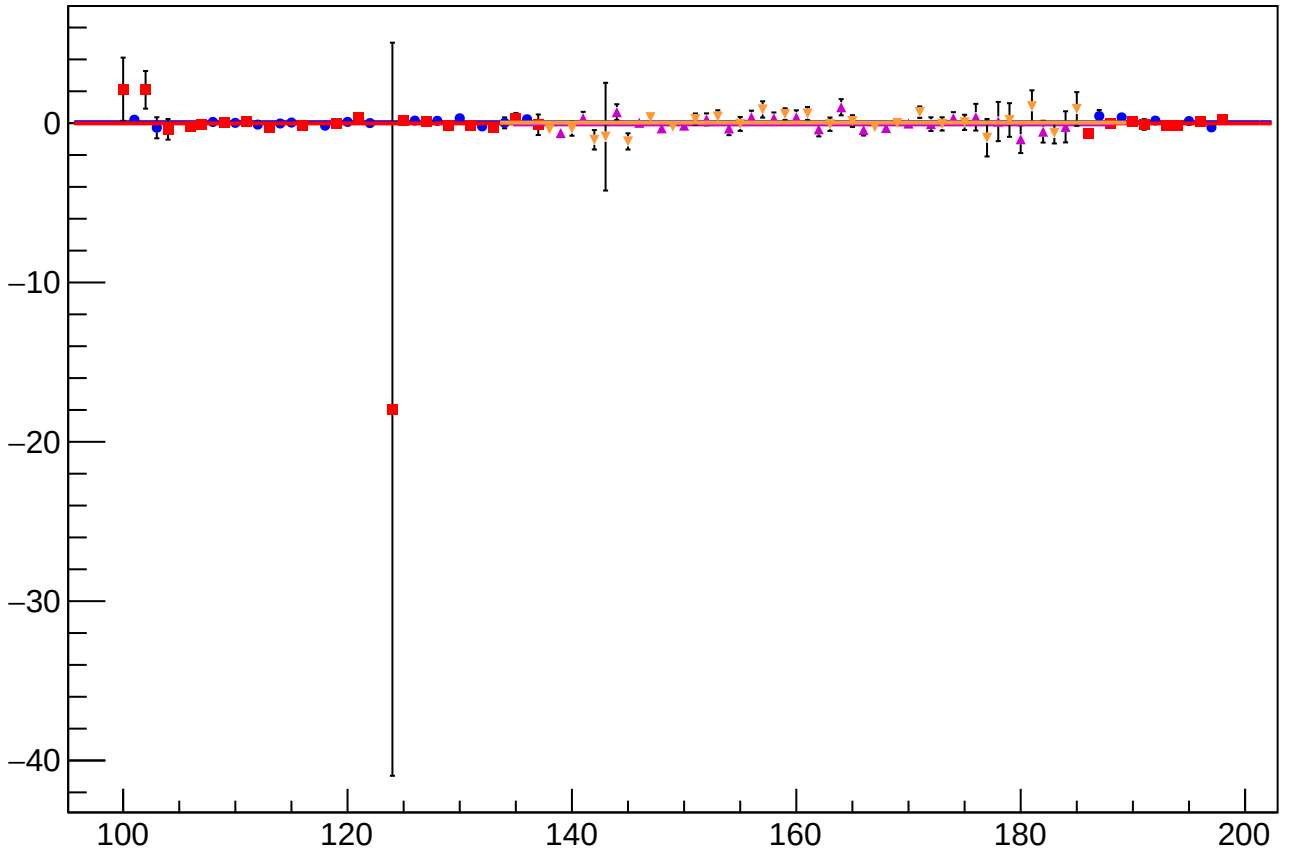
Right Out: 109.069+/-0.025 χ^2/NDF: 4554156.7/26

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.792+/-0.026 χ^2/NDF: 18312235.3/45

All: 150.133+/-0.017 χ^2/NDF: 38146466.6/95

- sign 142.541+/-0.023 χ^2/NDF: 19578023.2/49



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

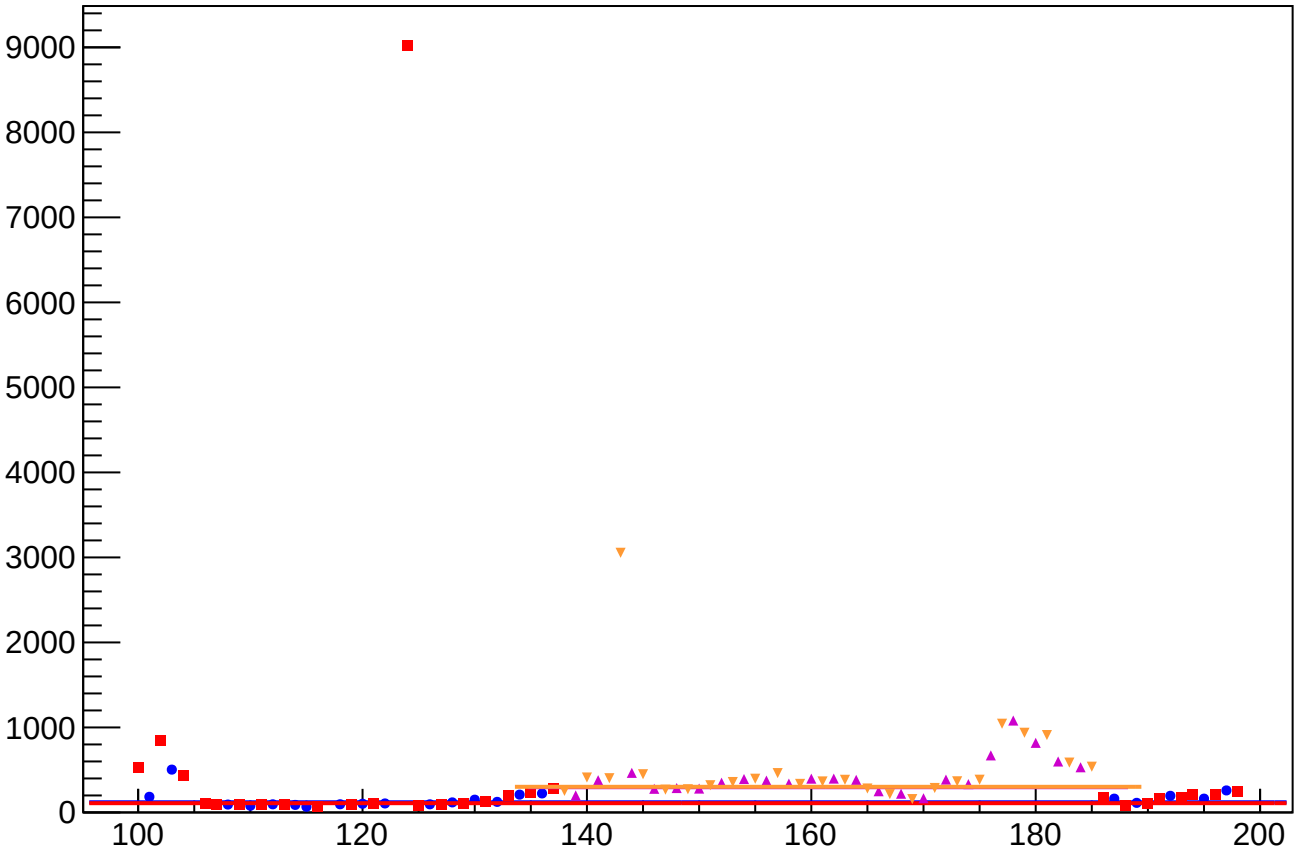
Right Out: -0.014+/-0.035 χ^2/NDF: 30.5/26

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.054+/-0.036 χ^2/NDF: 45.3/45

All: 0.010+/-0.024 χ^2/NDF: 103.2/95

- sign -0.025+/-0.032 χ^2/NDF: 55.2/49



Right In: 119.810+/-0.029 χ^2/NDF: 2892571.3/20

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

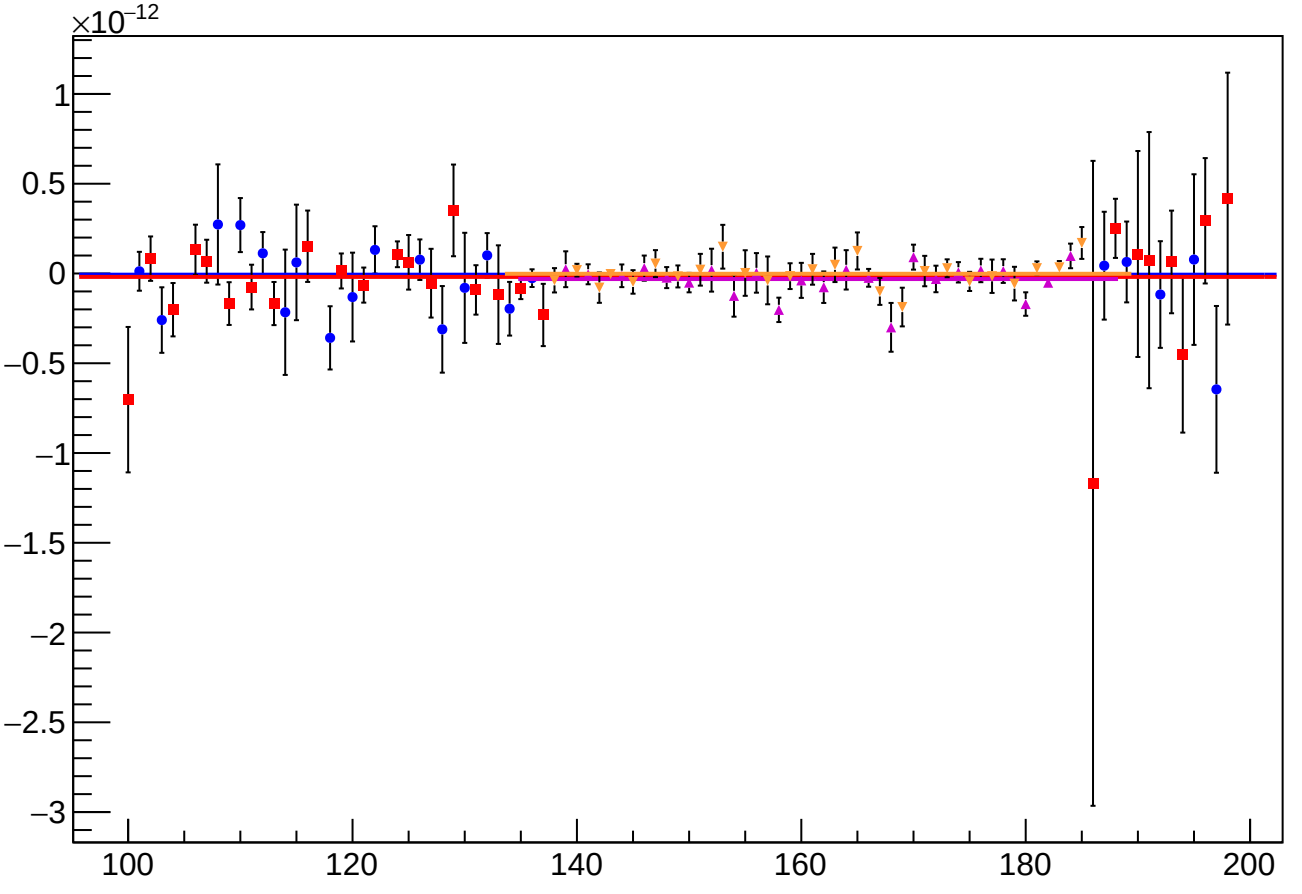
Right Out: 109.069+/-0.025 χ^2/NDF: 4554156.7/26

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.792+/-0.026 χ^2/NDF: 18312235.3/45

All: 150.133+/-0.017 χ^2/NDF: 38146466.6/95

- sign 142.541+/-0.023 χ^2/NDF: 19578023.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

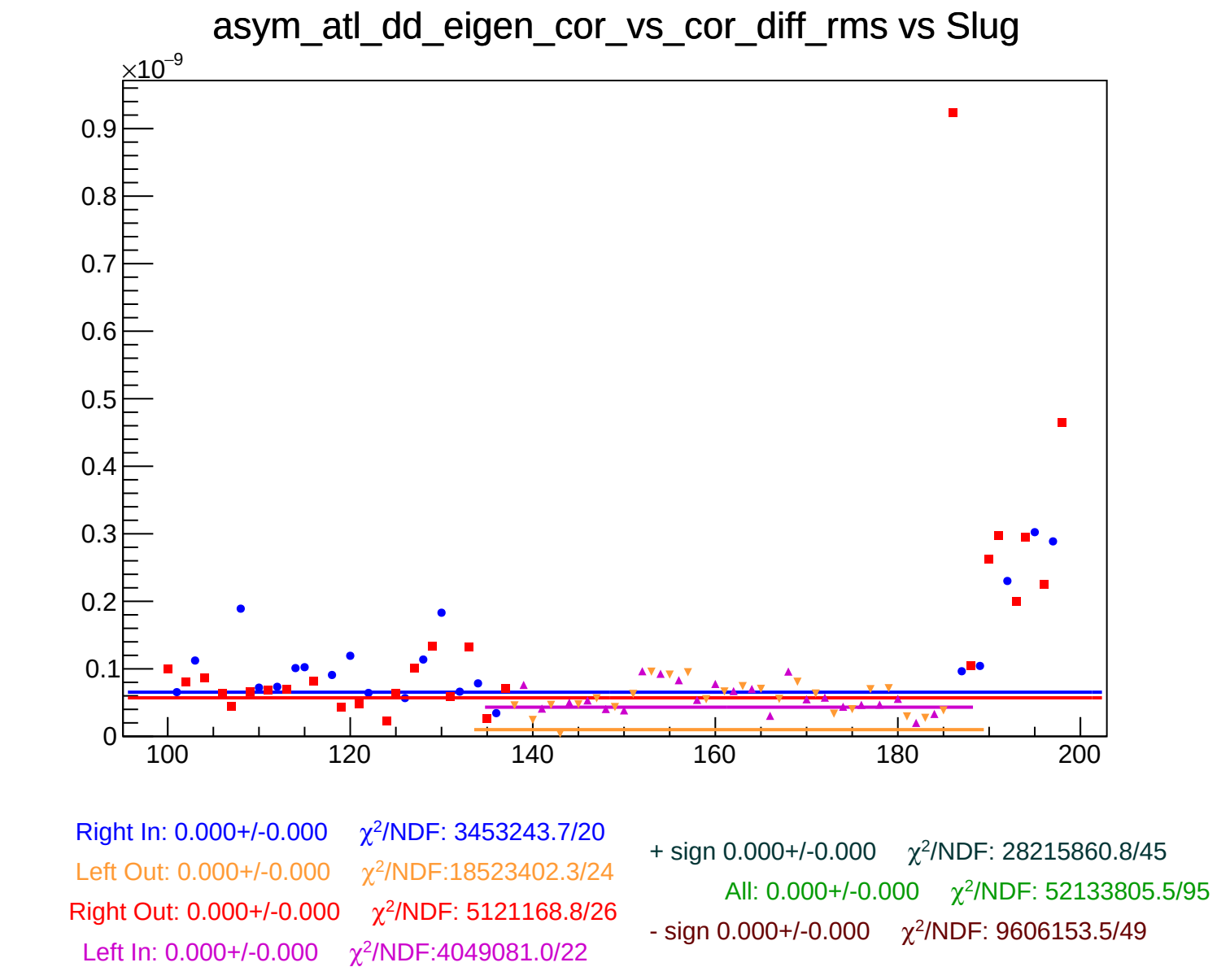
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

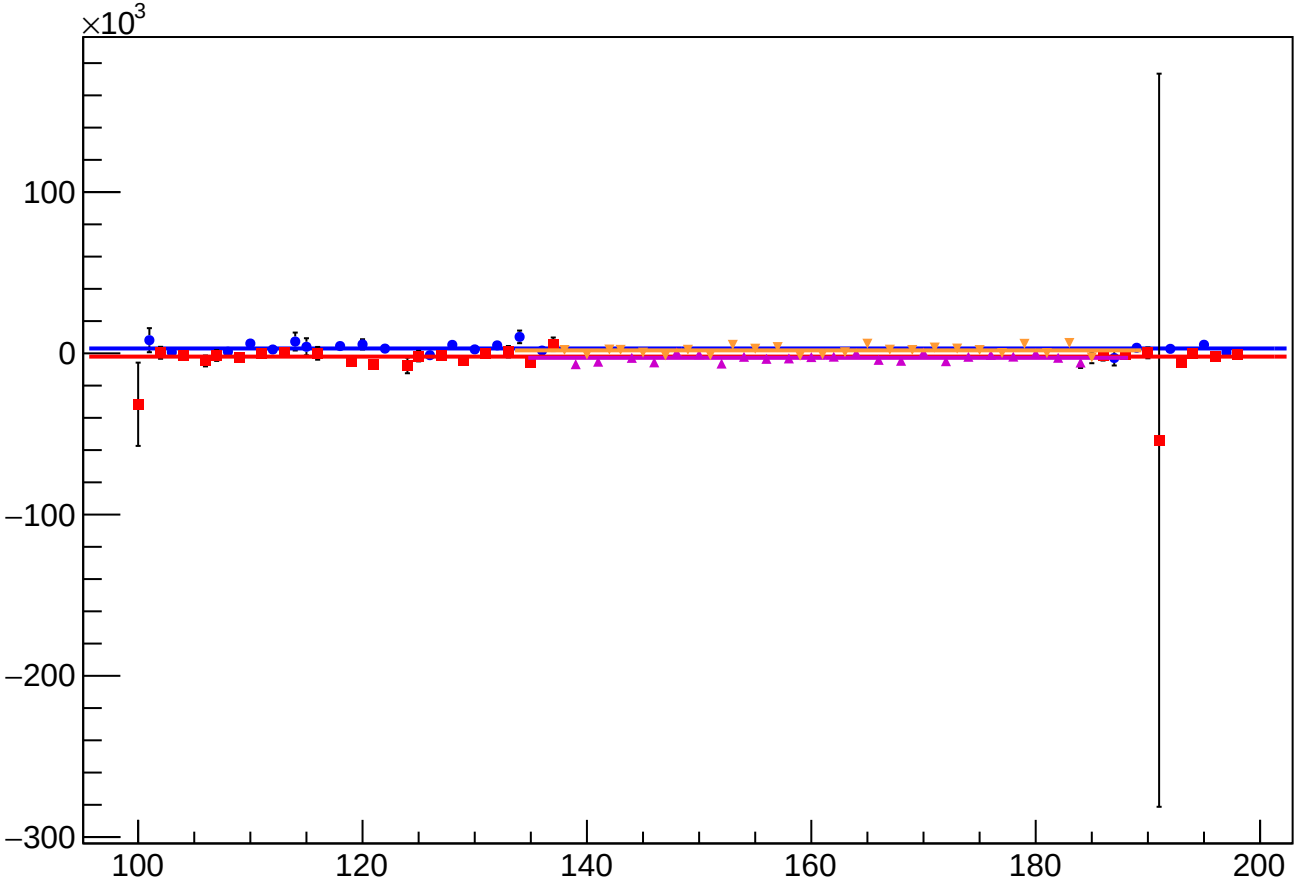
+ sign -0.000+/-0.000 χ^2/NDF: 37.4/45

All: -0.000+/-0.000 χ^2/NDF: 93.5/95

- sign -0.000+/-0.000 χ^2/NDF: 51.7/49


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3453243.7/20
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 5121168.8/26
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
+ sign 0.000+/-0.000 χ²/NDF: 28215860.8/45
All: 0.000+/-0.000 χ²/NDF: 52133805.5/95
- sign 0.000+/-0.000 χ²/NDF: 9606153.5/49

reg_asym_atr_avg_mean vs Slug



Right In: 3027.848+/-605.160 χ^2/NDF: 15.9/20

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2024.240+/-556.023 χ^2/NDF: 21.0/26

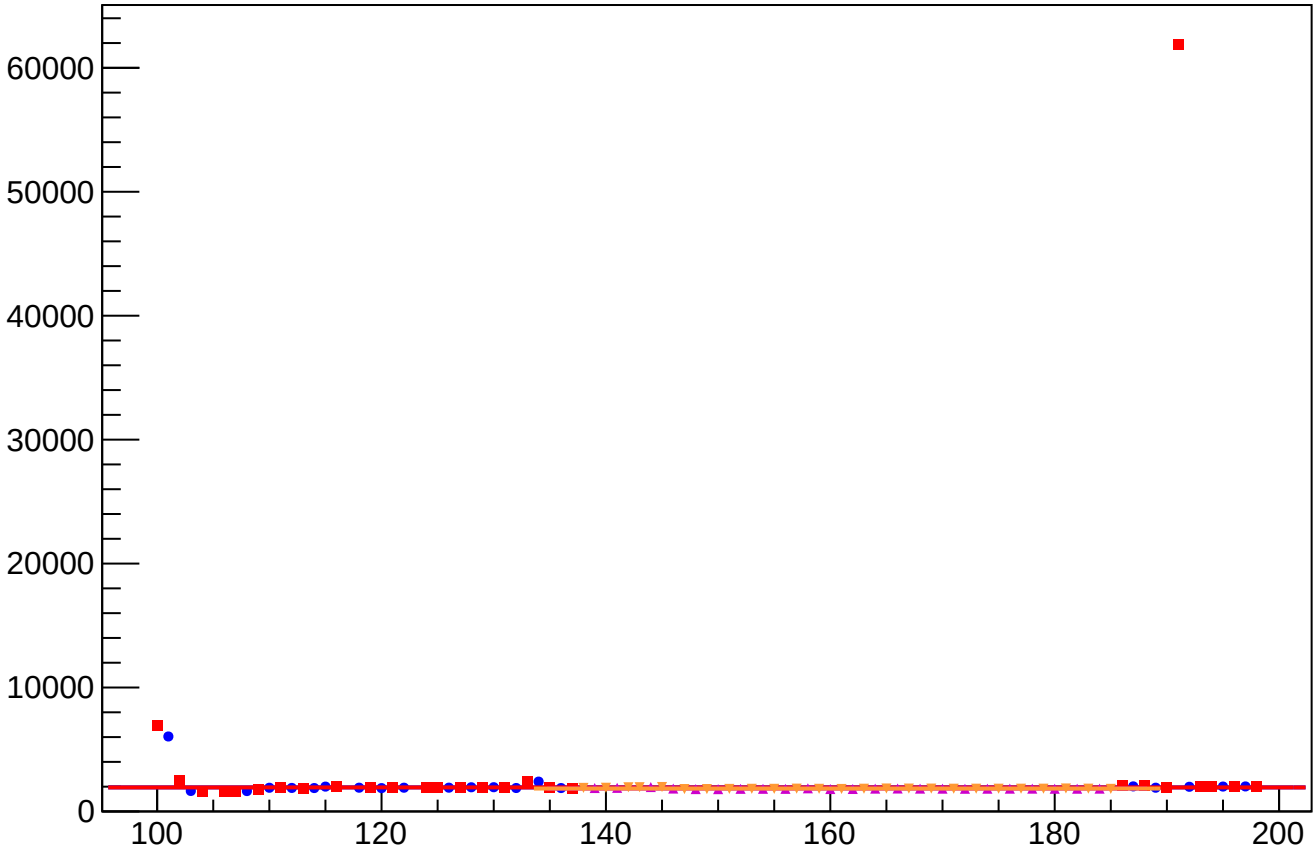
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2234.264+/-345.046 χ^2/NDF: 49.9/45

All: -160.560+/-242.390 χ^2/NDF: 192.6/95

- sign -2493.802+/-340.580 χ^2/NDF: 47.6/49

reg_asym_atr_avg_rms vs Slug



Right In: 1942.340+/-0.428 χ^2/NDF: 705520.9/20

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1939.385+/-0.392 χ^2/NDF: 402710.7/26

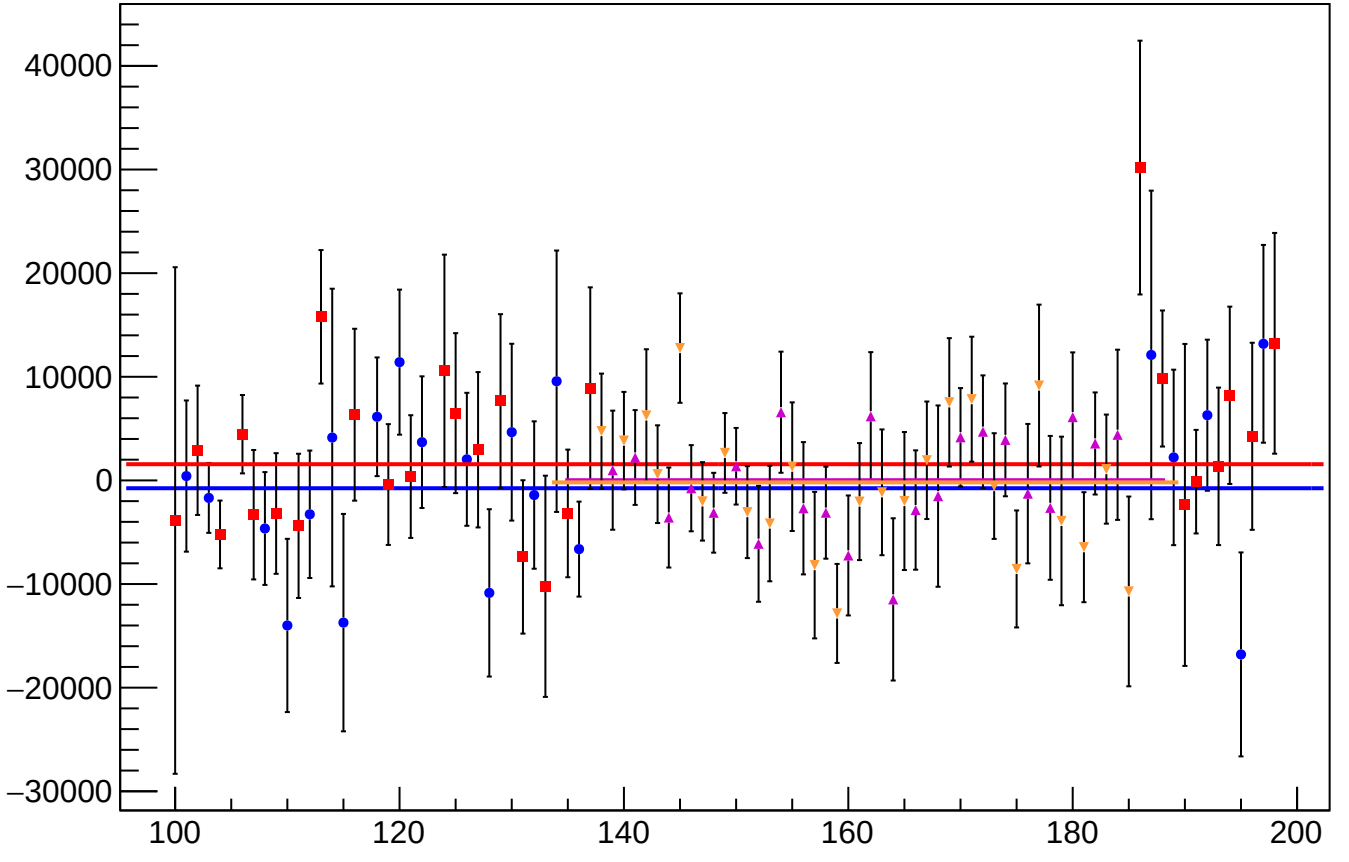
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1879.022+/-0.244 χ^2/NDF: 758849.4/45

All: 1879.794+/-0.171 χ^2/NDF: 1211662.8/95

- sign 1880.544+/-0.241 χ^2/NDF: 452793.7/49

asym_atr_avg_reg_correction_mean vs Slug



Right In: -755.448+/-1481.053 χ^2/NDF: 20.9/20

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1564.258+/-1280.271 χ^2/NDF: 26.9/26

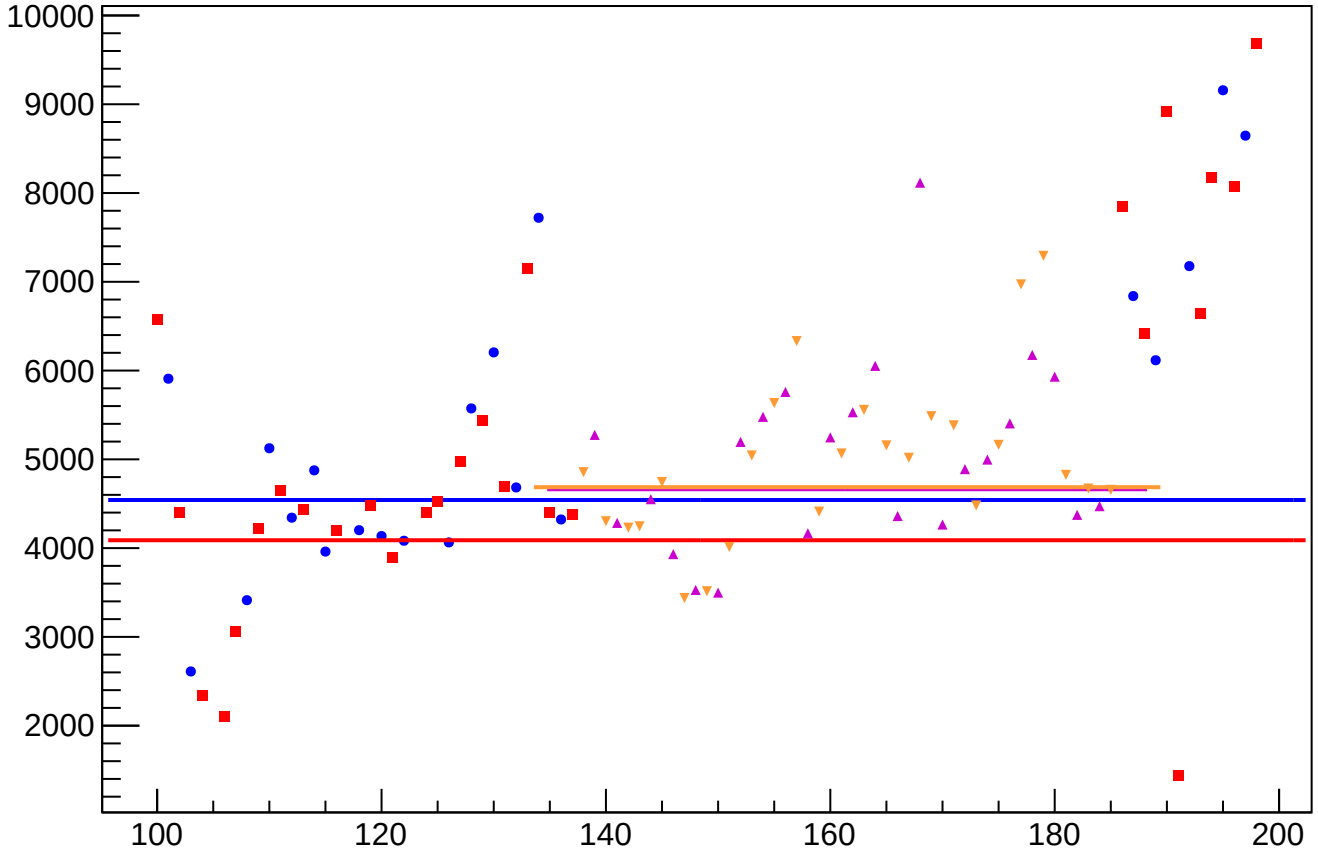
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -387.986+/-877.157 χ^2/NDF: 49.9/45

All: 171.375+/-606.599 χ^2/NDF: 92.2/95

- sign 684.085+/-839.783 χ^2/NDF: 41.5/49

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4541.999+/-1.047 χ^2/NDF: 2289460.8/20

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

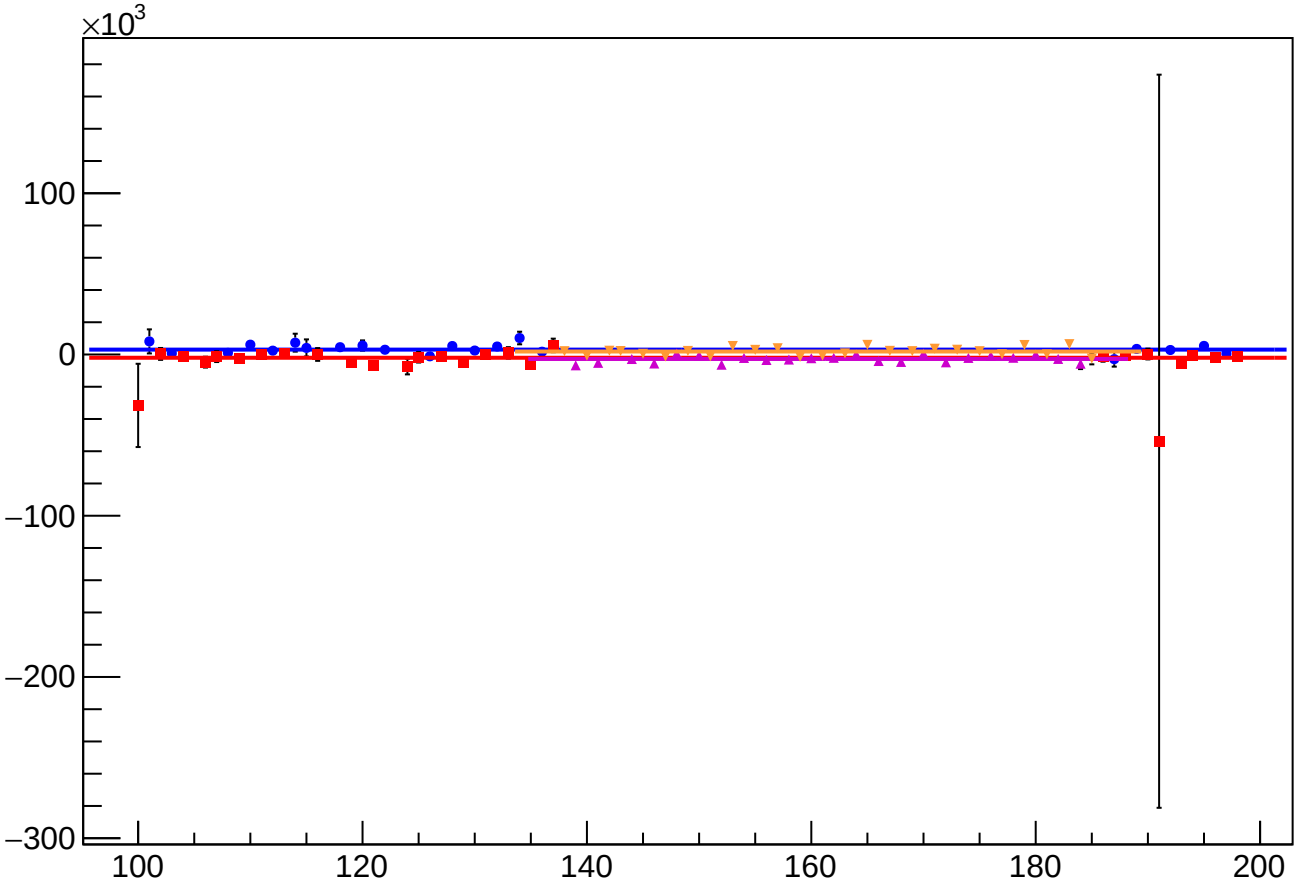
Right Out: 4088.741+/-0.905 χ^2/NDF: 4329232.4/26

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4635.719+/-0.620 χ^2/NDF: 3486859.9/45

All: 4521.117+/-0.429 χ^2/NDF: 9397723.0/95

- sign 4416.074+/-0.594 χ^2/NDF: 5845431.4/49



Right In: 3027.433+/-605.160 χ^2/NDF: 15.9/20

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2024.896+/-556.025 χ^2/NDF: 21.0/26

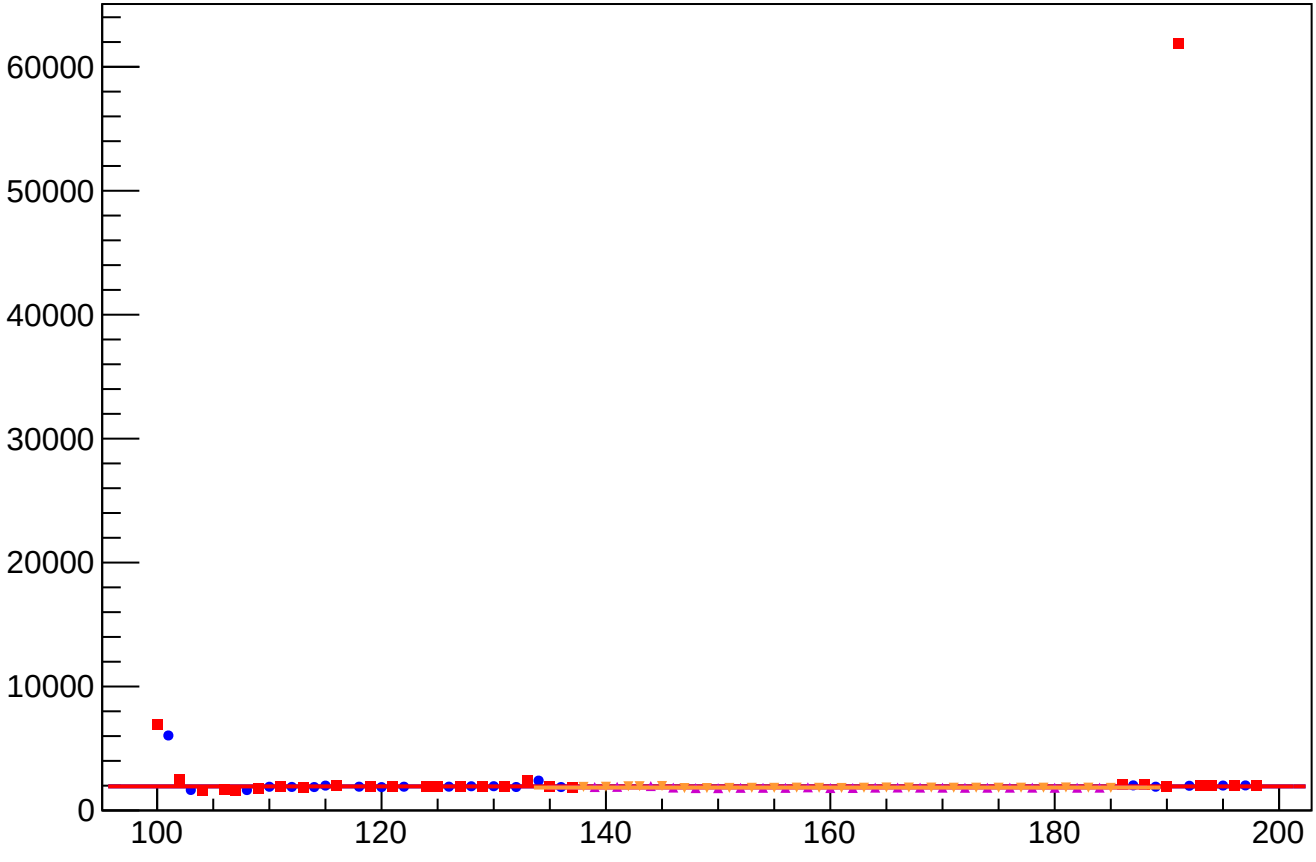
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2234.054+/-345.046 χ^2/NDF: 49.9/45

All: -160.779+/-242.390 χ^2/NDF: 192.6/95

- sign -2494.034+/-340.581 χ^2/NDF: 47.6/49

cor_asym_atr_avg_rms vs Slug



Right In: 1942.340+/-0.428 χ^2/NDF: 705520.0/20

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1941.939+/-0.393 χ^2/NDF: 394684.1/26

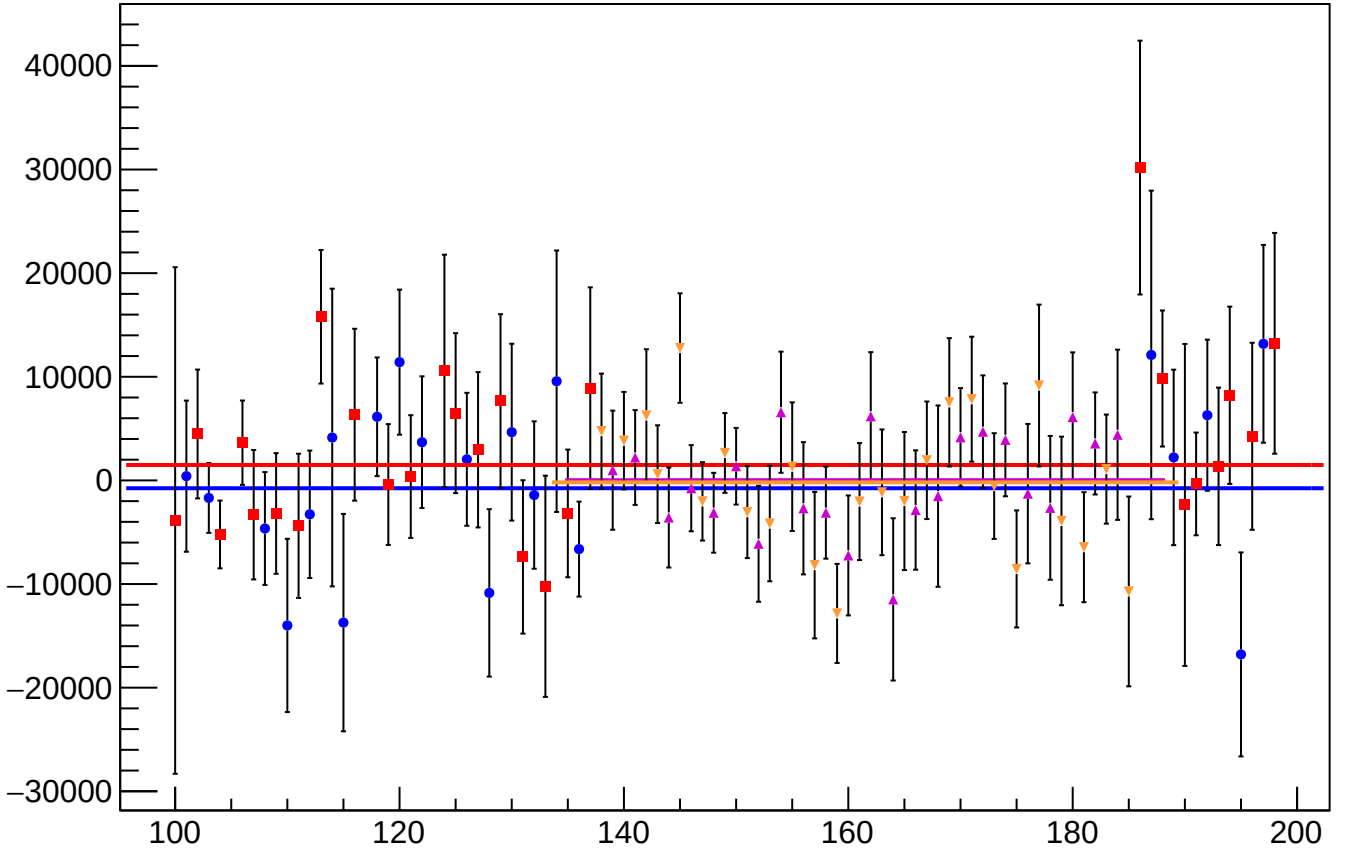
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1879.022+/-0.244 χ^2/NDF: 758848.6/45

All: 1880.253+/-0.171 χ^2/NDF: 1205589.7/95

- sign 1881.452+/-0.241 χ^2/NDF: 446690.8/49

asym_atr_avg_cor_correction_mean vs Slug



Right In: -755.737+/-1481.055 χ^2/NDF: 20.9/20

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1487.373+/-1289.464 χ^2/NDF: 26.8/26

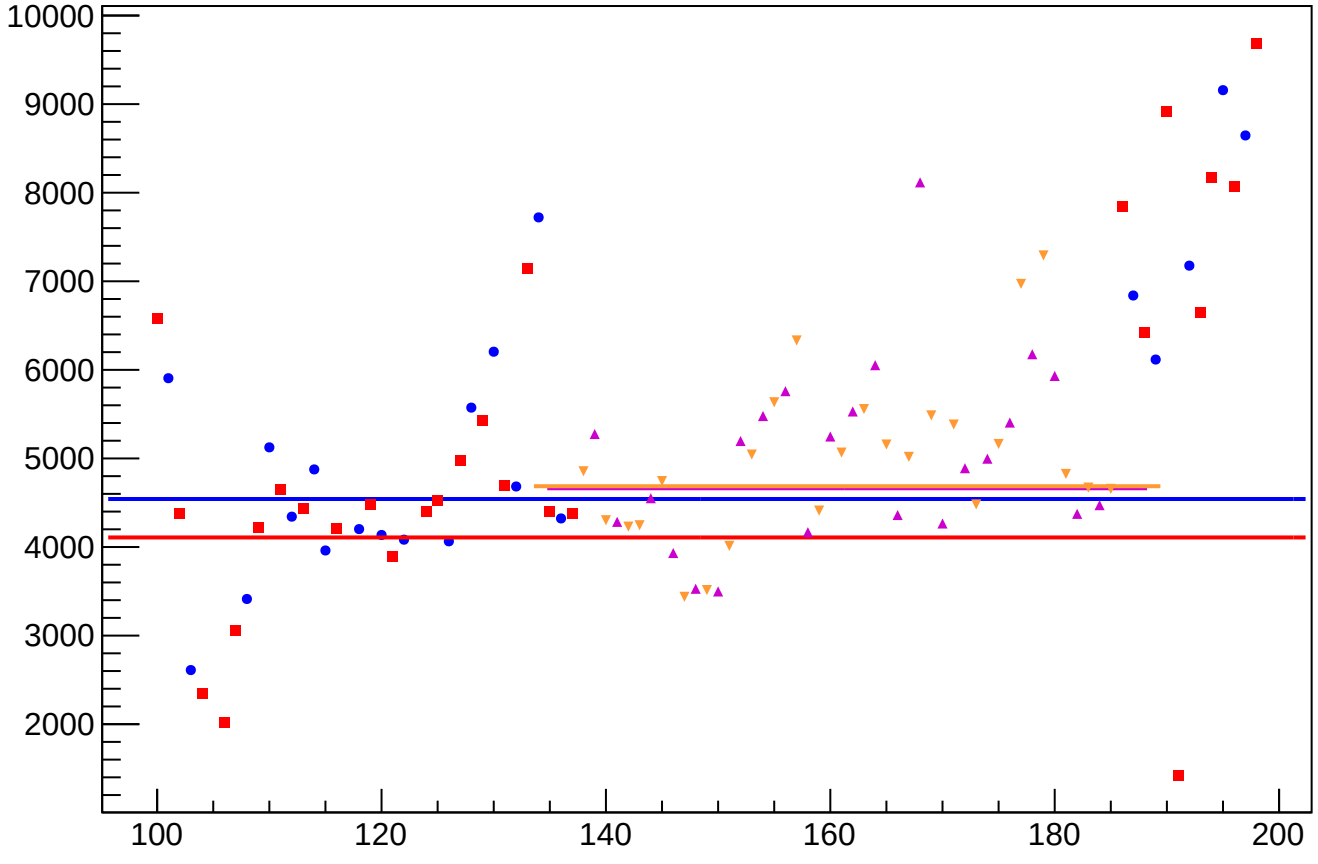
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -388.106+/-877.157 χ^2/NDF: 49.9/45

All: 149.803+/-607.568 χ^2/NDF: 91.9/95

- sign 645.883+/-842.362 χ^2/NDF: 41.3/49

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4542.081+/-1.047 χ^2/NDF: 2288901.9/20

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4108.042+/-0.912 χ^2/NDF: 4305430.9/26

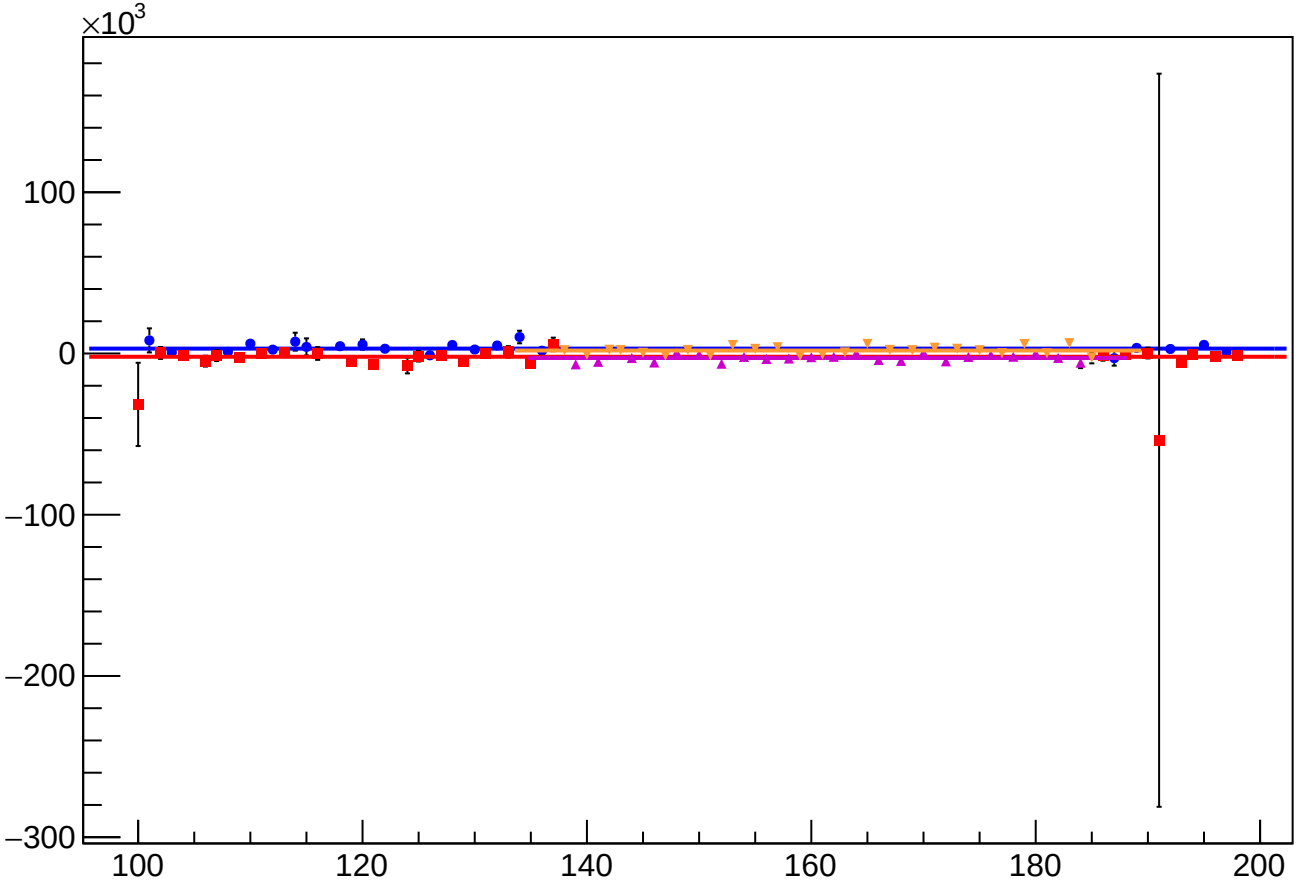
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4635.743+/-0.620 χ^2/NDF: 3486310.9/45

All: 4526.798+/-0.430 χ^2/NDF: 9350340.1/95

- sign 4426.325+/-0.596 χ^2/NDF: 5804723.0/49

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3027.433+/-605.160 χ^2/NDF: 15.9/20

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2024.896+/-556.025 χ^2/NDF: 21.0/26

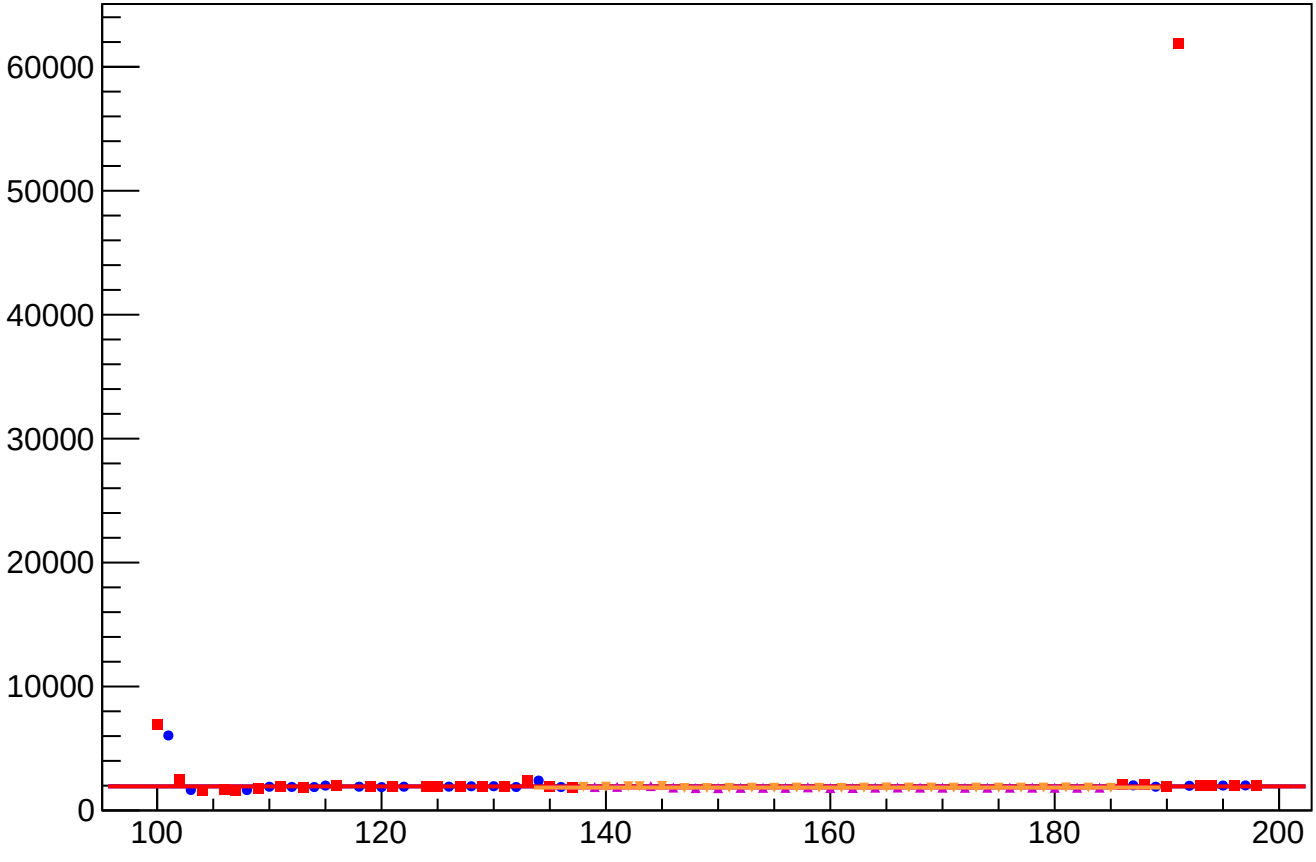
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2234.054+/-345.046 χ^2/NDF: 49.9/45

All: -160.779+/-242.390 χ^2/NDF: 192.6/95

- sign -2494.034+/-340.581 χ^2/NDF: 47.6/49

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1942.340+/-0.428 χ^2/NDF: 705520.0/20

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

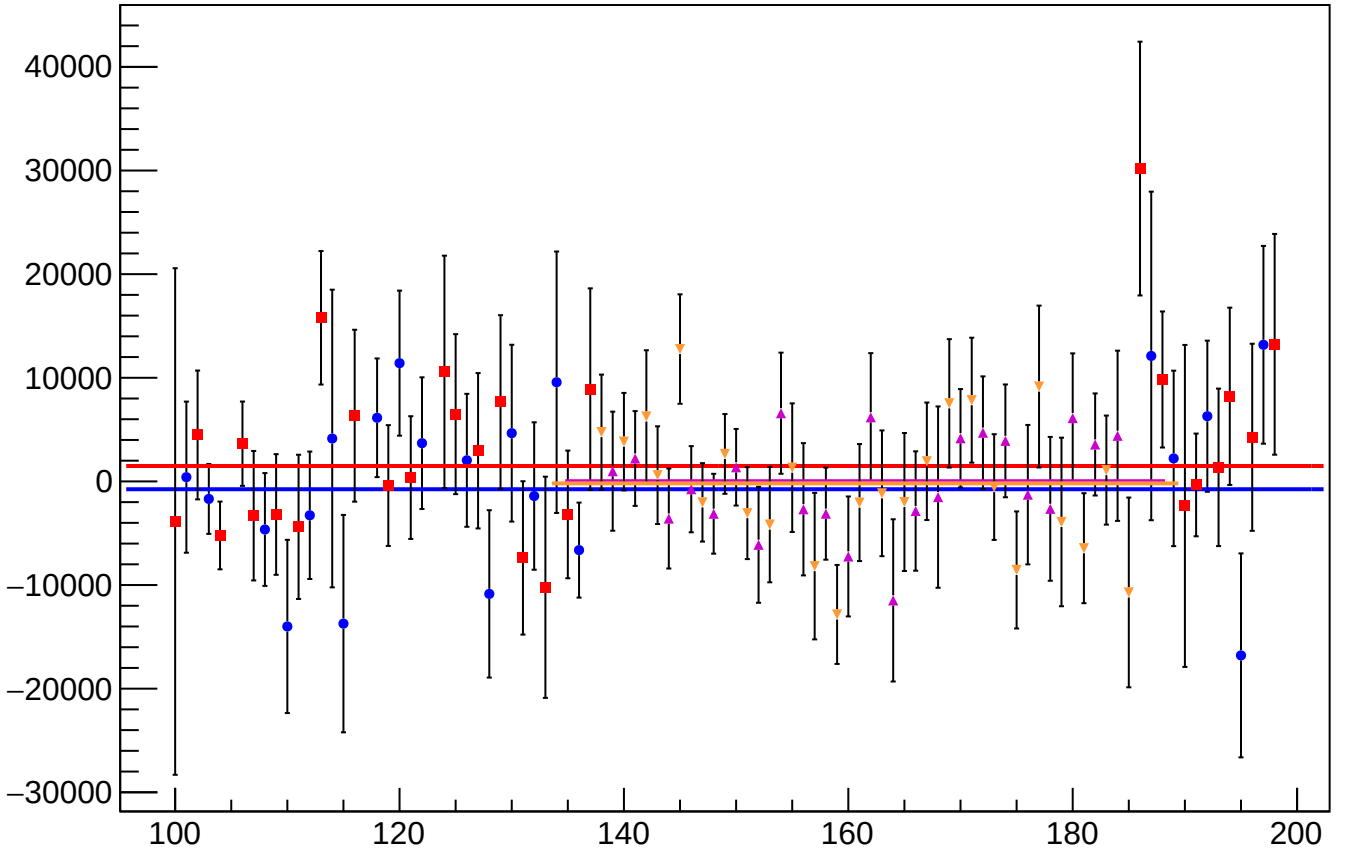
Right Out: 1941.939+/-0.393 χ^2/NDF: 394684.1/26

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1879.022+/-0.244 χ^2/NDF: 758848.6/45

All: 1880.253+/-0.171 χ^2/NDF: 1205589.7/95

- sign 1881.452+/-0.241 χ^2/NDF: 446690.8/49



Right In: -755.737+/-1481.055 χ^2/NDF: 20.9/20

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1487.373+/-1289.464 χ^2/NDF: 26.8/26

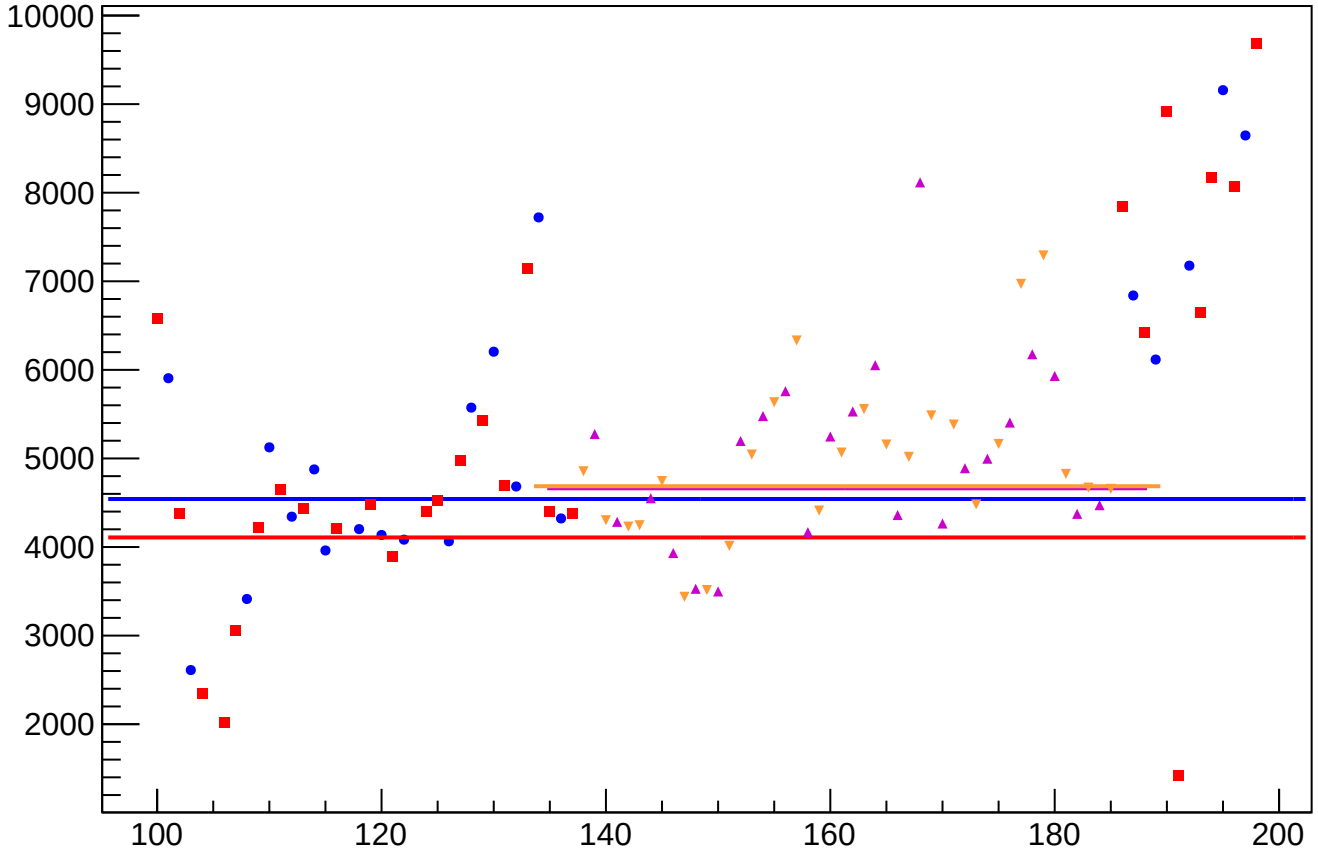
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

\+ sign -388.106+/-877.157 χ^2/NDF: 49.9/45

All: 149.803+/-607.568 χ^2/NDF: 91.9/95

\- sign 645.883+/-842.362 χ^2/NDF: 41.3/49

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4542.081+/-1.047 χ^2/NDF: 2288901.9/20

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

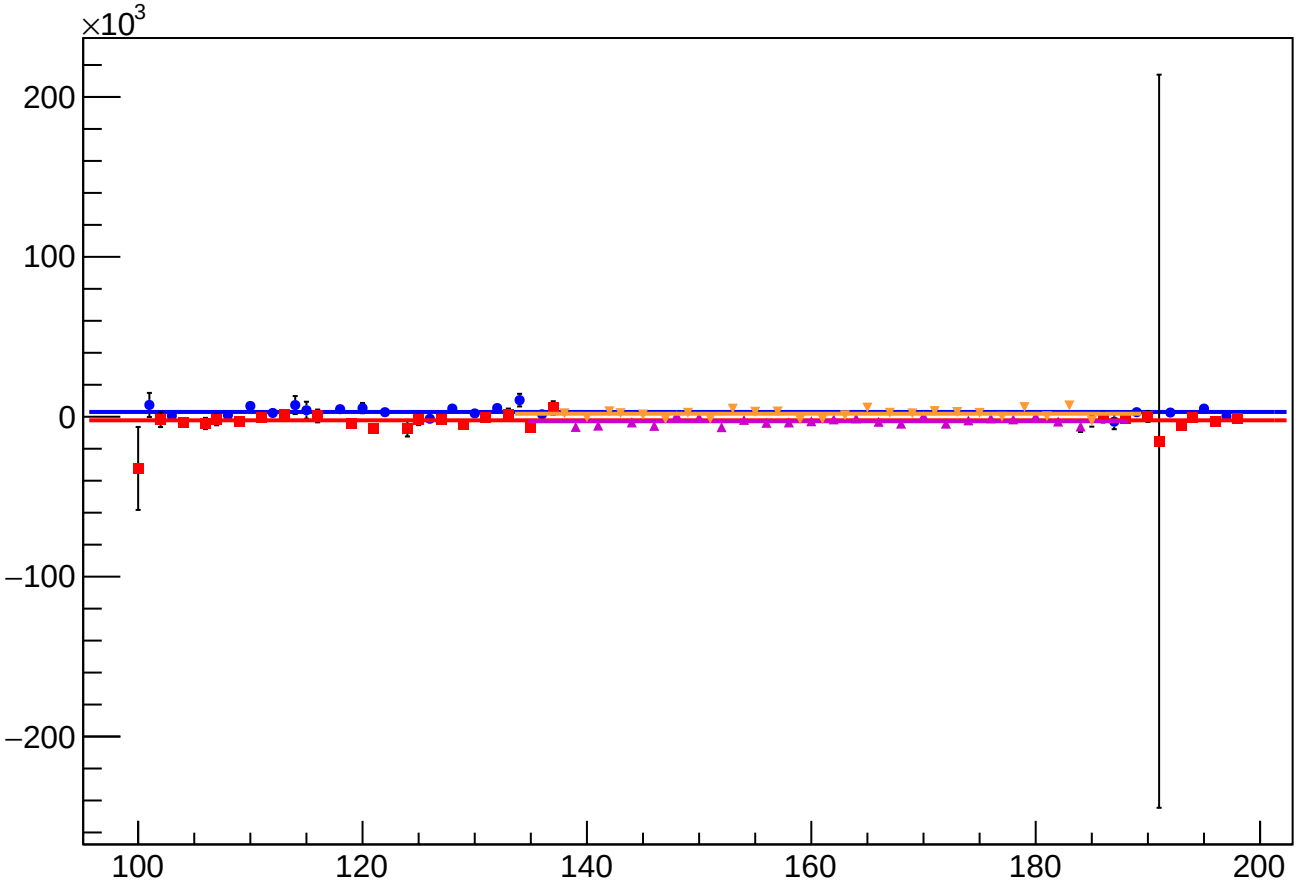
Right Out: 4108.042+/-0.912 χ^2/NDF: 4305430.9/26

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4635.743+/-0.620 χ^2/NDF: 3486310.9/45

All: 4526.798+/-0.430 χ^2/NDF: 9350340.1/95

- sign 4426.325+/-0.596 χ^2/NDF: 5804723.0/49



Right In: 2999.084+/-620.871 χ^2/NDF: 16.4/20

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2230.541+/-570.450 χ^2/NDF: 21.5/26

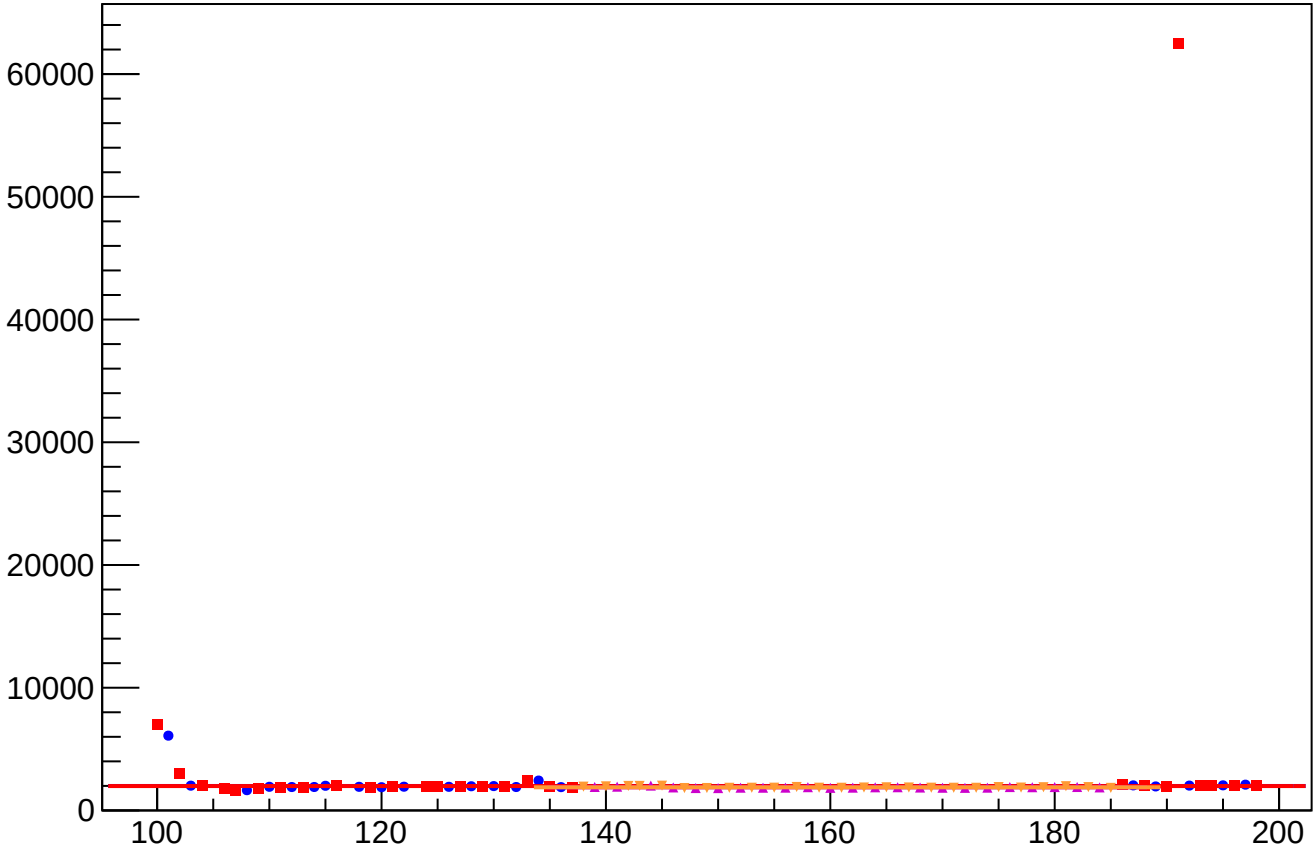
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2242.237+/-352.931 χ^2/NDF: 51.5/45

All: -206.236+/-247.806 χ^2/NDF: 194.0/95

- sign -2587.064+/-348.022 χ^2/NDF: 47.5/49

dit_asym_atr_avg_rms vs Slug



Right In: 1994.025+/-0.439 χ^2/NDF: 673174.3/20

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1987.290+/-0.403 χ^2/NDF: 417058.4/26

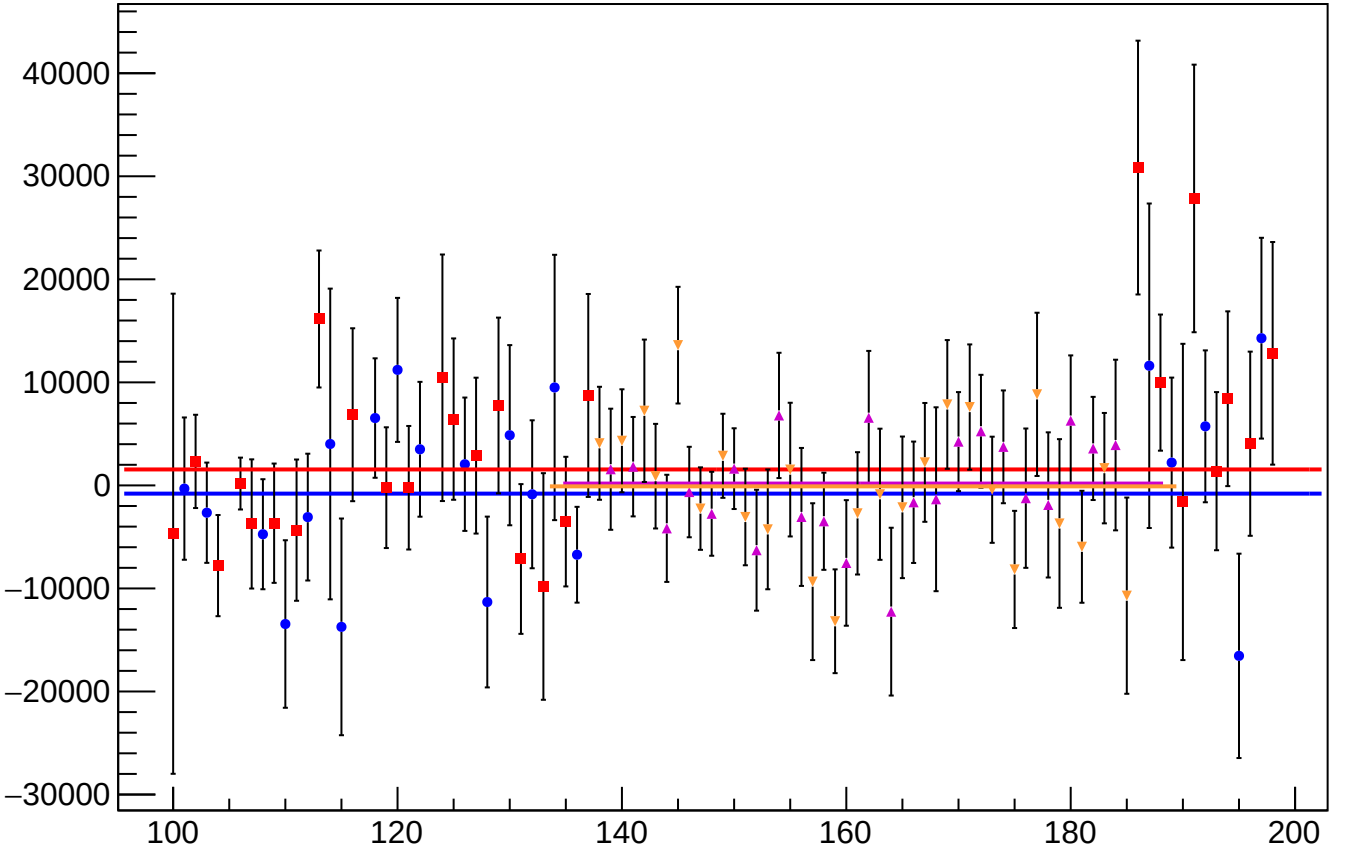
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1921.952+/-0.250 χ^2/NDF: 744947.2/45

All: 1921.125+/-0.175 χ^2/NDF: 1225034.8/95

- sign 1920.321+/-0.246 χ^2/NDF: 480066.0/49

asym_atr_avg_dit_correction_mean vs Slug



Right In: -798.249+/-1565.621 χ^2/NDF: 20.8/20

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1548.522+/-1260.446 χ^2/NDF: 30.1/26

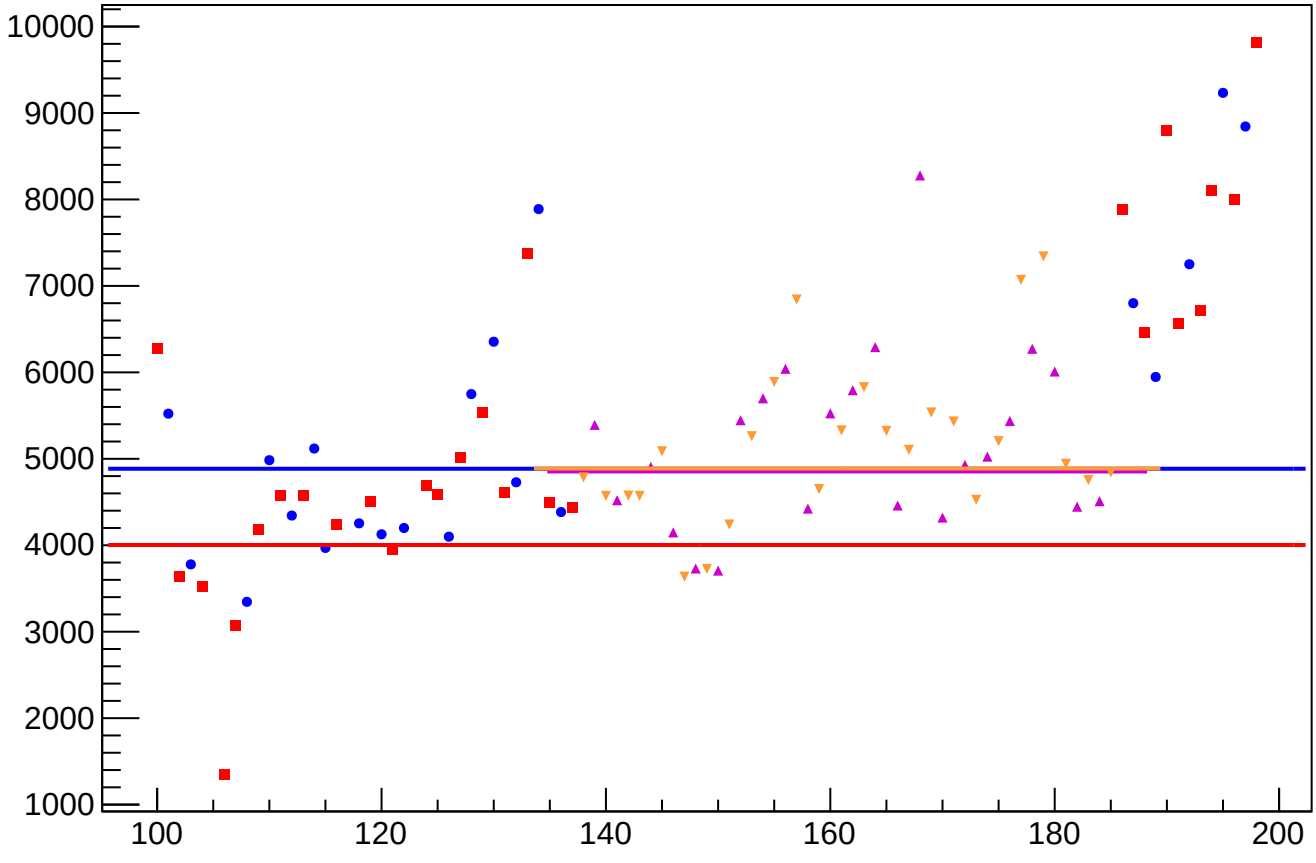
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -334.734+/-917.991 χ^2/NDF: 49.0/45

All: 276.885+/-624.473 χ^2/NDF: 94.2/95

- sign 803.701+/-851.975 χ^2/NDF: 44.3/49

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4885.068+/-1.107 χ^2/NDF: 1611301.2/20

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

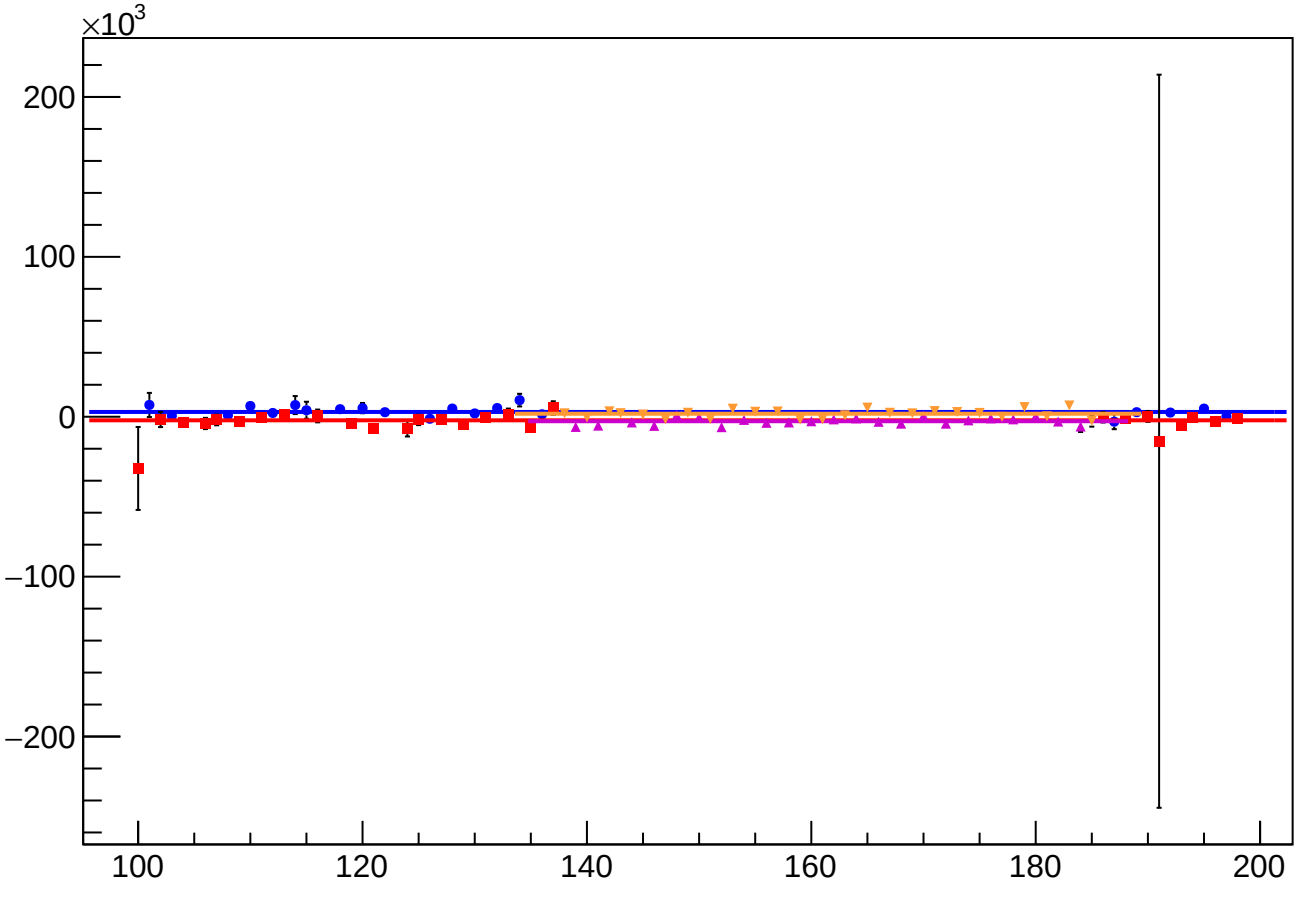
Right Out: 4003.176+/-0.891 χ^2/NDF: 5154798.6/26

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4886.876+/-0.649 χ^2/NDF: 2674603.8/45

All: 4660.185+/-0.442 χ^2/NDF: 9729251.3/95

- sign 4464.926+/-0.602 χ^2/NDF: 6827636.6/49



Right In: 2999.085+/-620.871 χ^2/NDF: 16.4/20

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2230.542+/-570.450 χ^2/NDF: 21.5/26

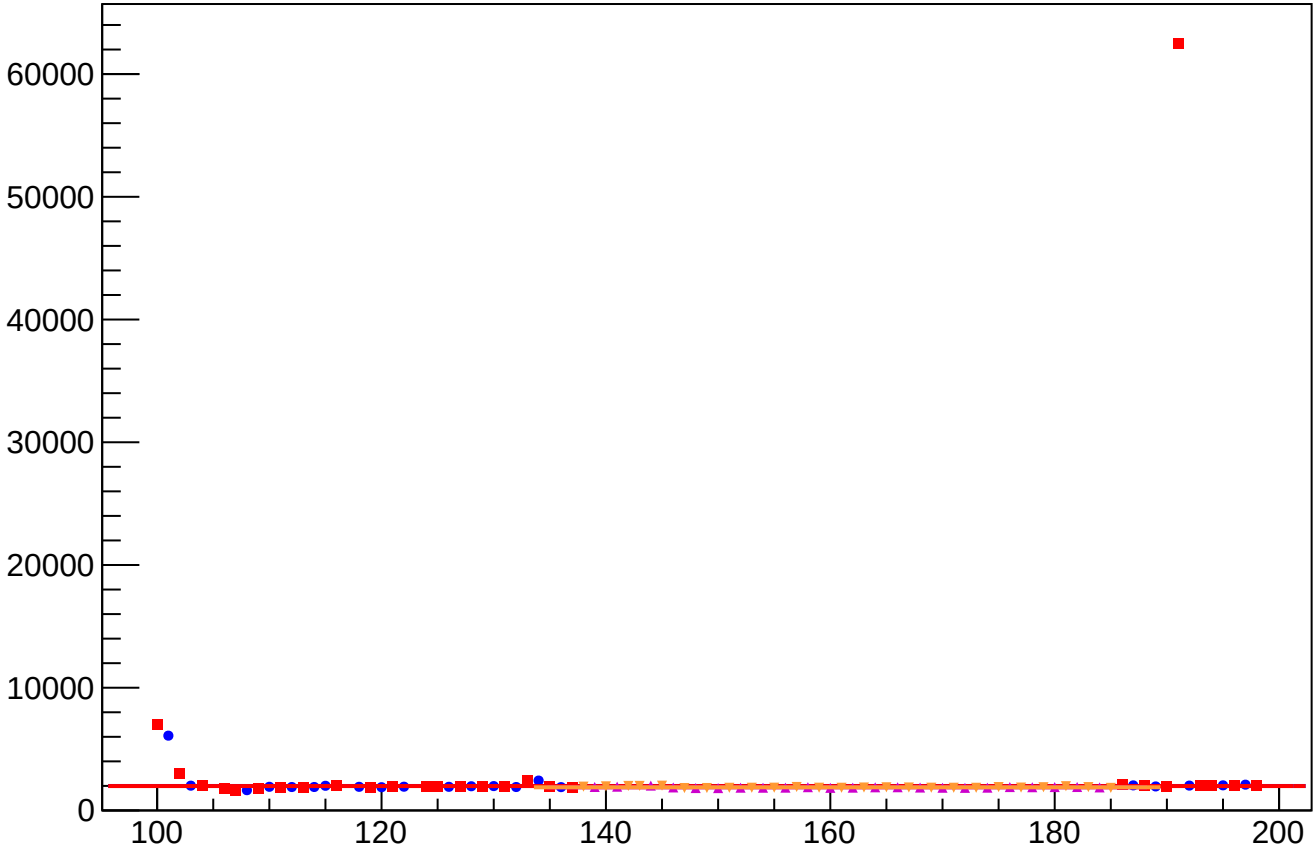
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2242.234+/-352.931 χ^2/NDF: 51.5/45

All: -206.238+/-247.806 χ^2/NDF: 194.0/95

- sign -2587.064+/-348.022 χ^2/NDF: 47.5/49

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1994.025+/-0.439 χ^2/NDF: 673174.4/20

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

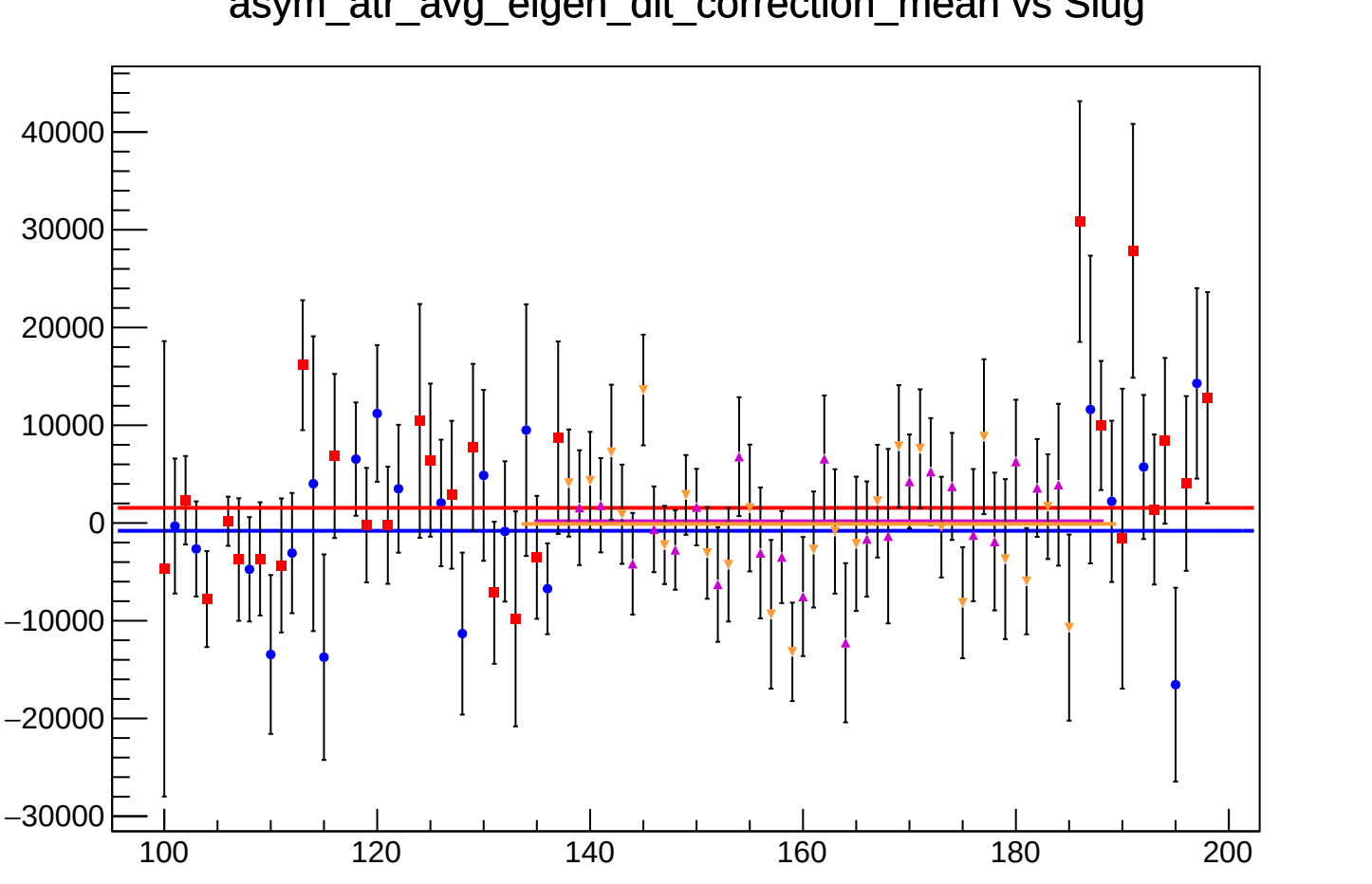
Right Out: 1987.290+/-0.403 χ^2/NDF: 417058.0/26

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1921.952+/-0.250 χ^2/NDF: 744946.5/45

All: 1921.125+/-0.175 χ^2/NDF: 1225033.0/95

- sign 1920.321+/-0.246 χ^2/NDF: 480064.8/49



Right In: -798.234+/-1565.619 χ^2/NDF: 20.8/20

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1548.518+/-1260.444 χ^2/NDF: 30.1/26

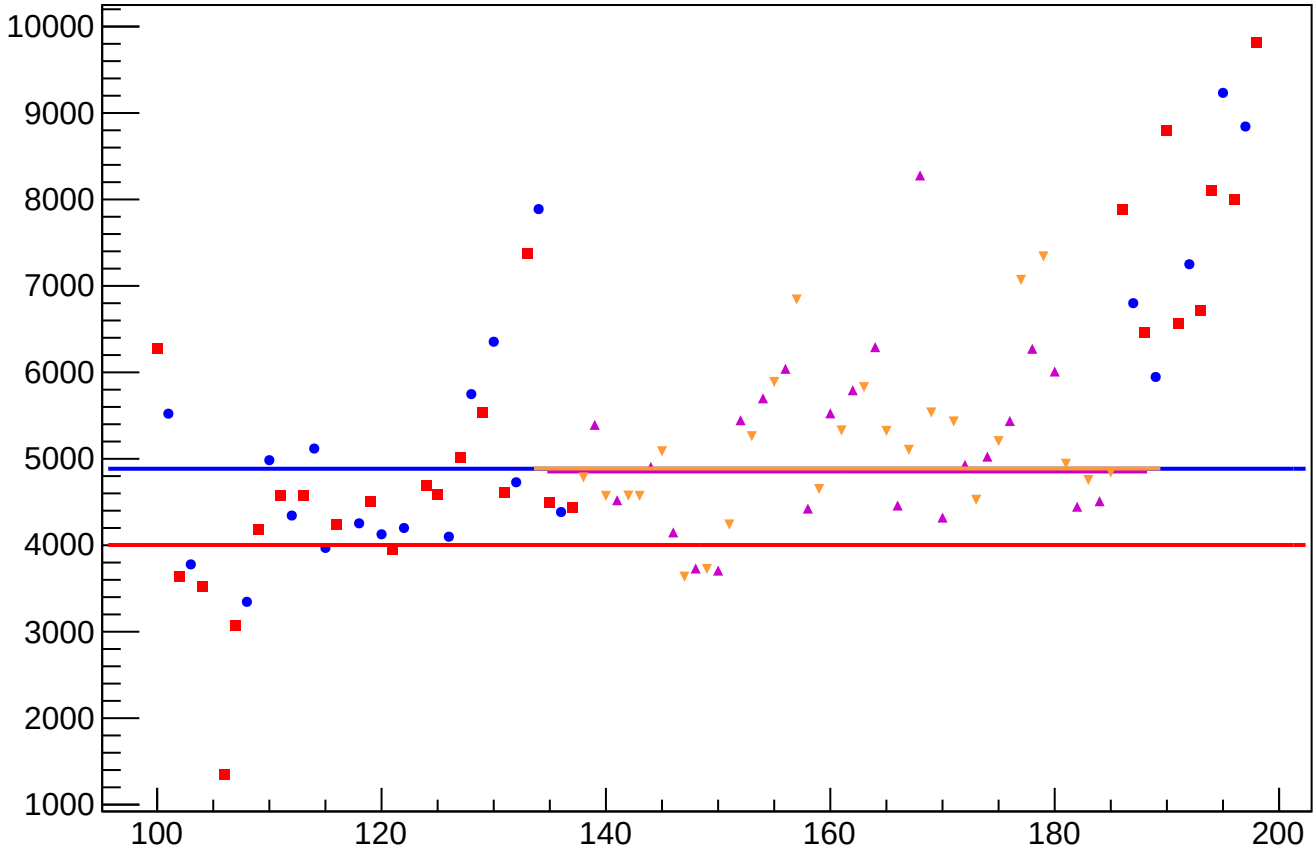
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -334.732+/-917.991 χ^2/NDF: 49.0/45

All: 276.887+/-624.473 χ^2/NDF: 94.2/95

- sign 803.702+/-851.975 χ^2/NDF: 44.3/49

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4885.061+/-1.107 χ^2/NDF: 1611307.2/20

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4003.167+/-0.891 χ^2/NDF: 5154817.9/26

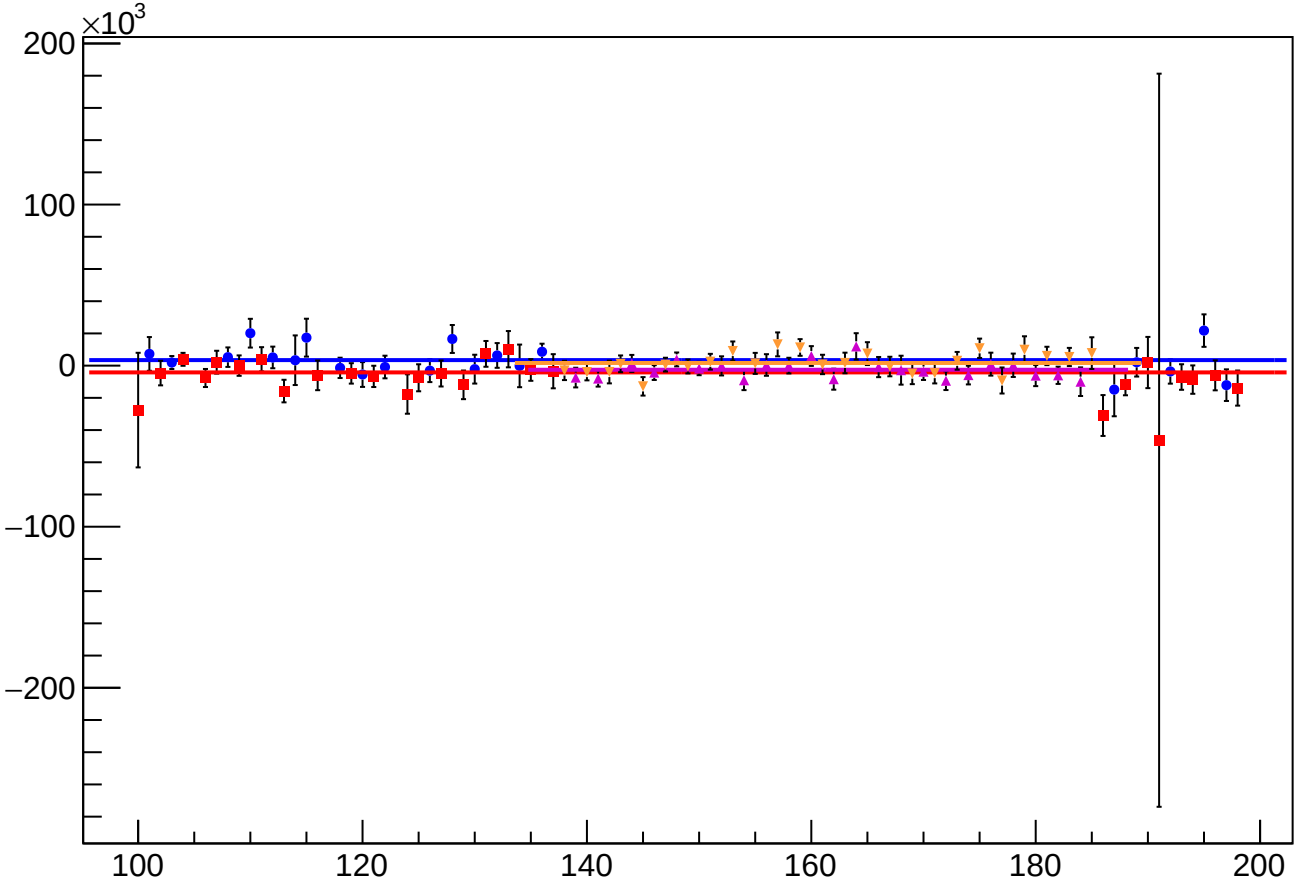
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4886.878+/-0.649 χ^2/NDF: 2674611.3/45

All: 4660.186+/-0.442 χ^2/NDF: 9729304.3/95

- sign 4464.925+/-0.602 χ^2/NDF: 6827677.8/49

asym_atr_avg_mean vs Slug



Right In: 3437.690+/-1646.457 χ^2/NDF: 20.4/20

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4203.321+/-1511.552 χ^2/NDF: 23.1/26

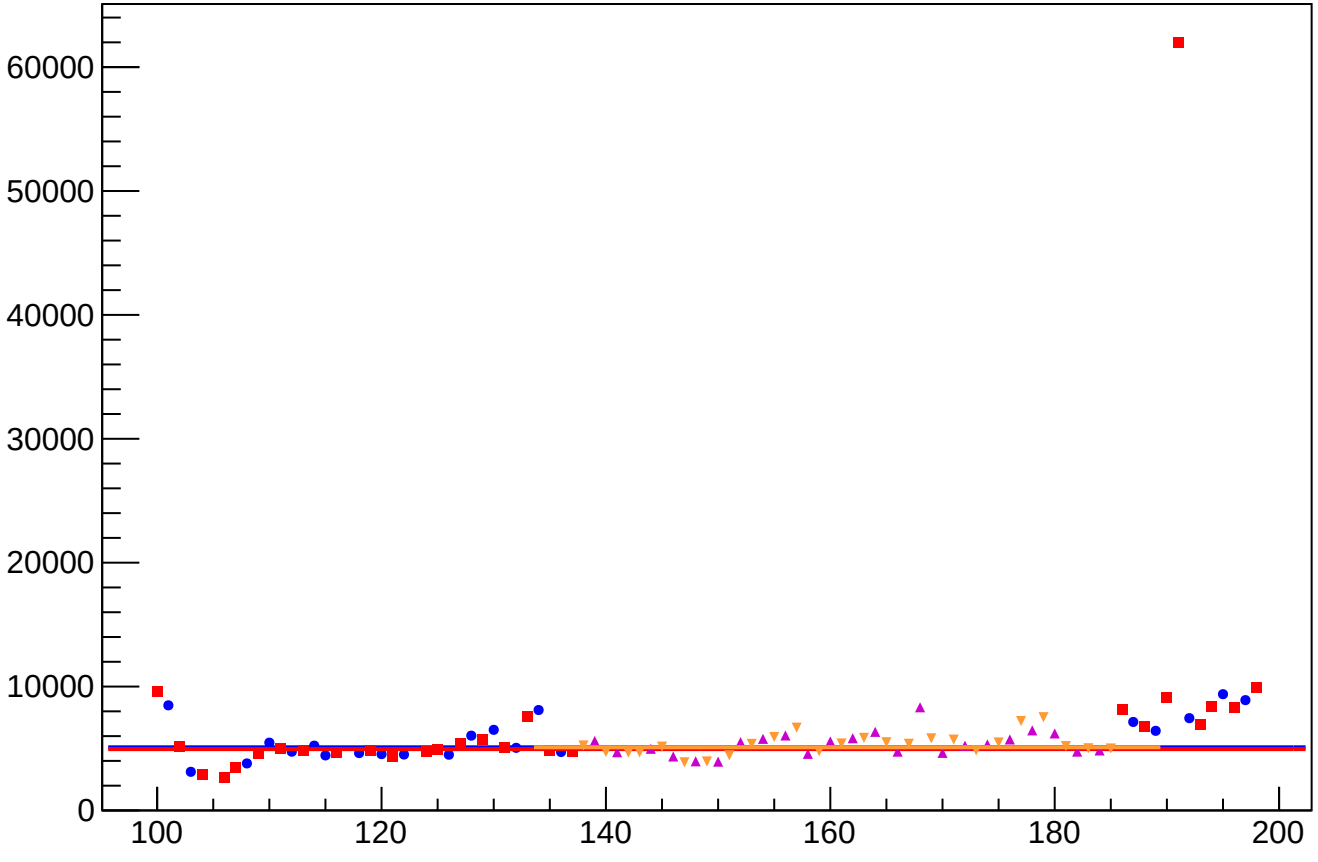
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2258.776+/-958.389 χ^2/NDF: 47.1/45

All: -517.968+/-671.804 χ^2/NDF: 103.4/95

- sign -3200.398+/-941.972 χ^2/NDF: 39.8/49

asym_atr_avg_rms vs Slug



Right In: 5097.158+/-1.164 χ^2/NDF: 1969216.5/20

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4950.316+/-1.061 χ^2/NDF: 2861175.0/26

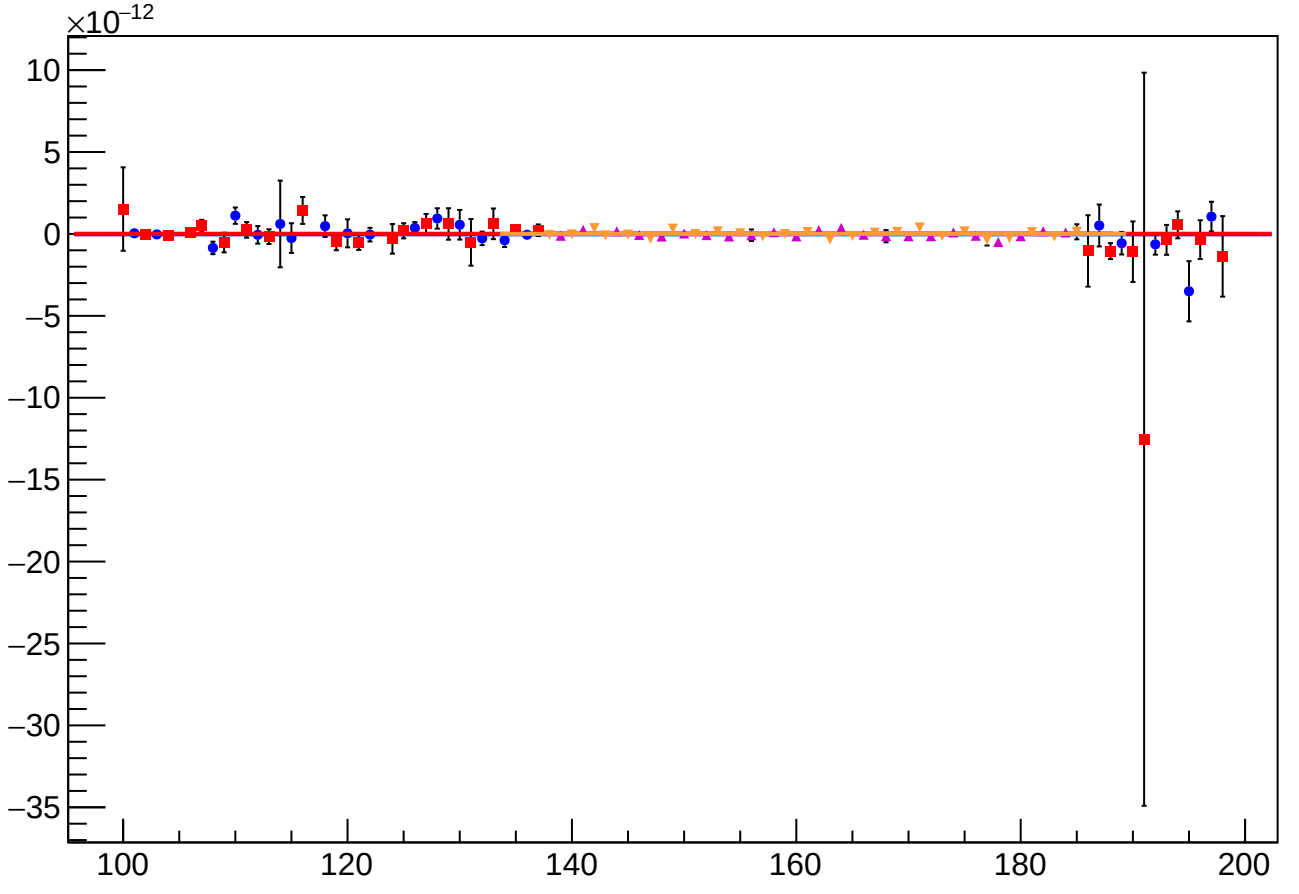
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5099.461+/-0.678 χ^2/NDF: 2878552.9/45

All: 5061.621+/-0.474 χ^2/NDF: 6745957.2/95

- sign 5025.269+/-0.664 χ^2/NDF: 3861291.4/49

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

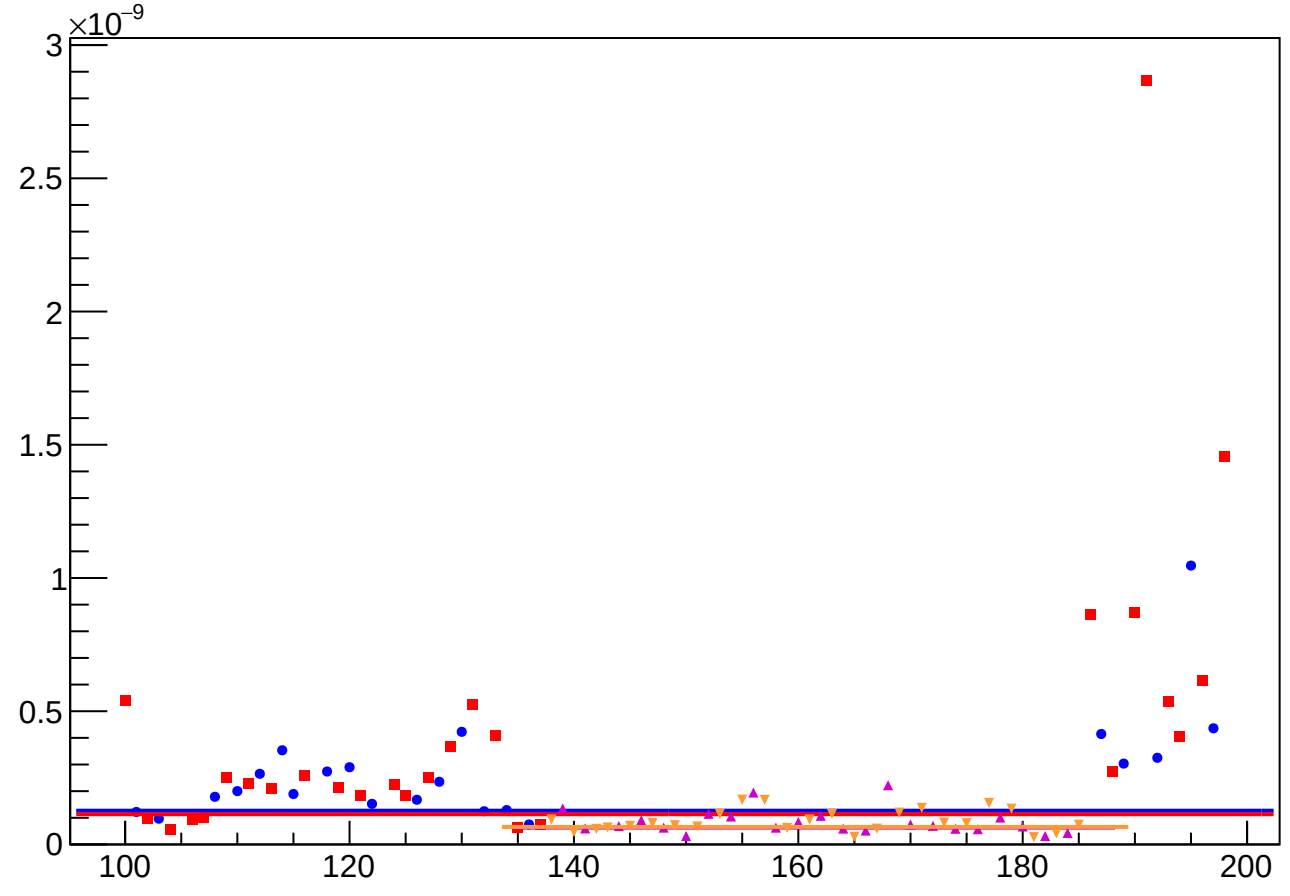
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/26

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.0/45

All: 0.000+/-0.000 χ^2/NDF: 110.5/95

- sign 0.000+/-0.000 χ^2/NDF: 54.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 2296503.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4369465.2/26

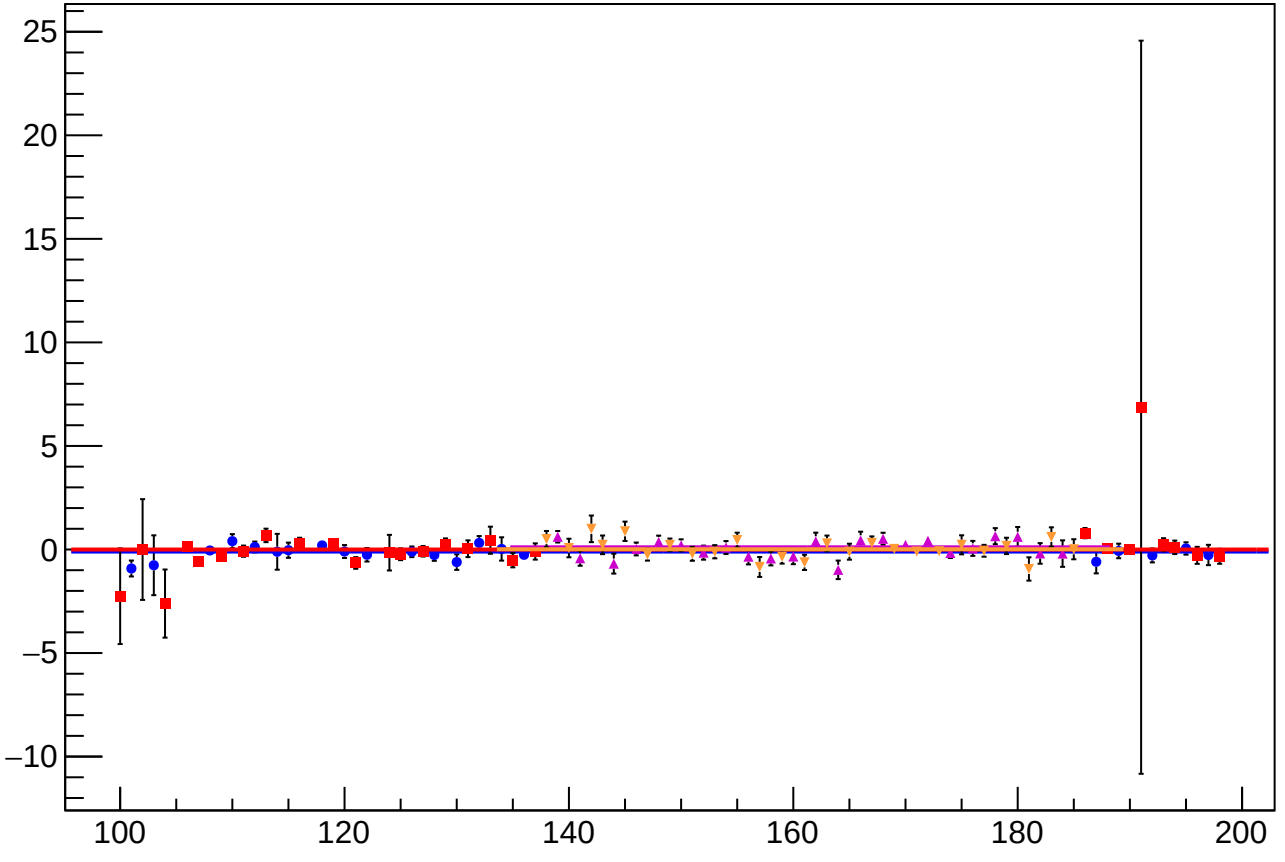
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5960700.8/45

All: 0.000+/-0.000 χ^2/NDF: 13416695.0/95

- sign 0.000+/-0.000 χ^2/NDF: 7438455.7/49

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.002+/-0.055 χ^2/NDF: 42.0/26

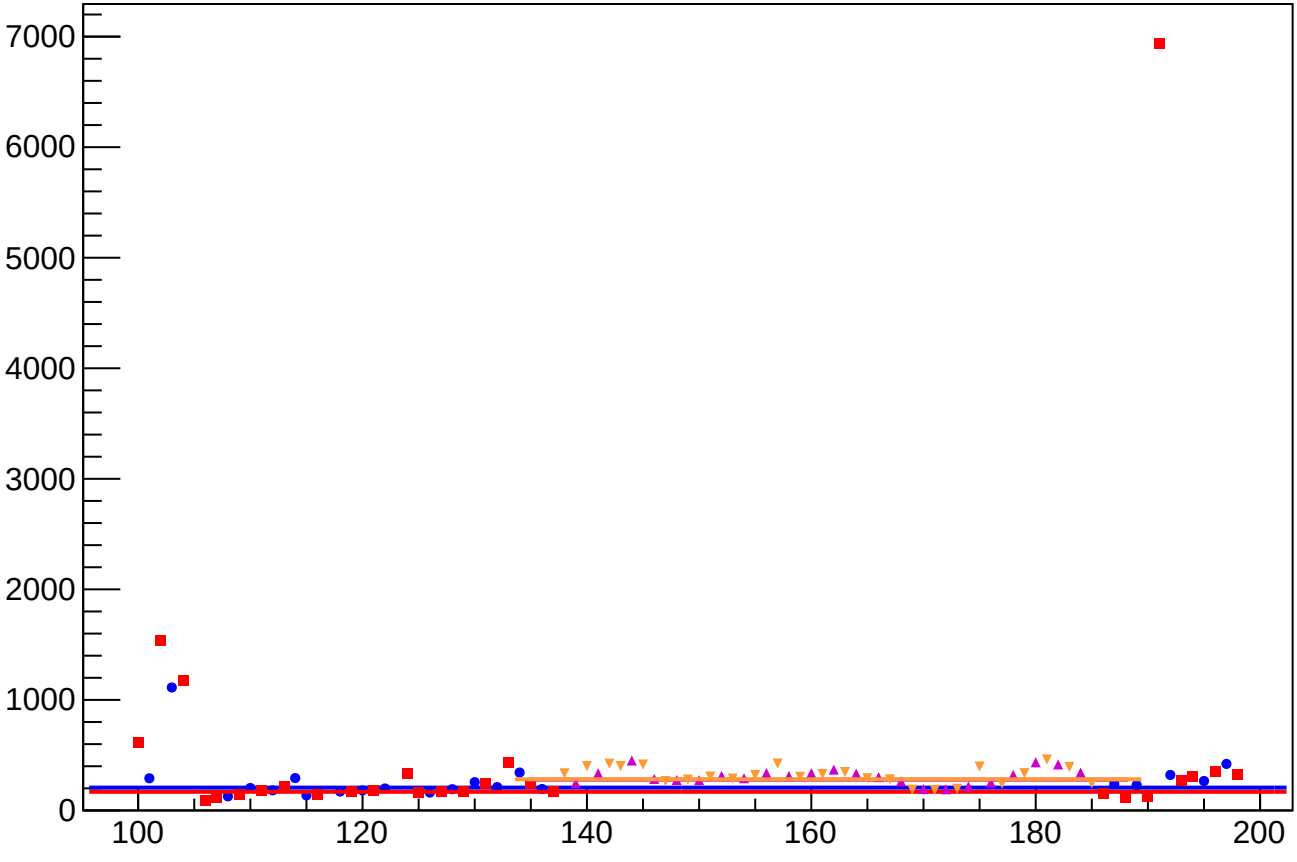
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.049 χ^2/NDF: 41.9/45

All: 0.004+/-0.032 χ^2/NDF: 118.4/95

- sign 0.040+/-0.043 χ^2/NDF: 75.0/49

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 206.551+/-0.049 χ^2/NDF: 2273813.2/20

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 168.745+/-0.039 χ^2/NDF: 4639379.3/26

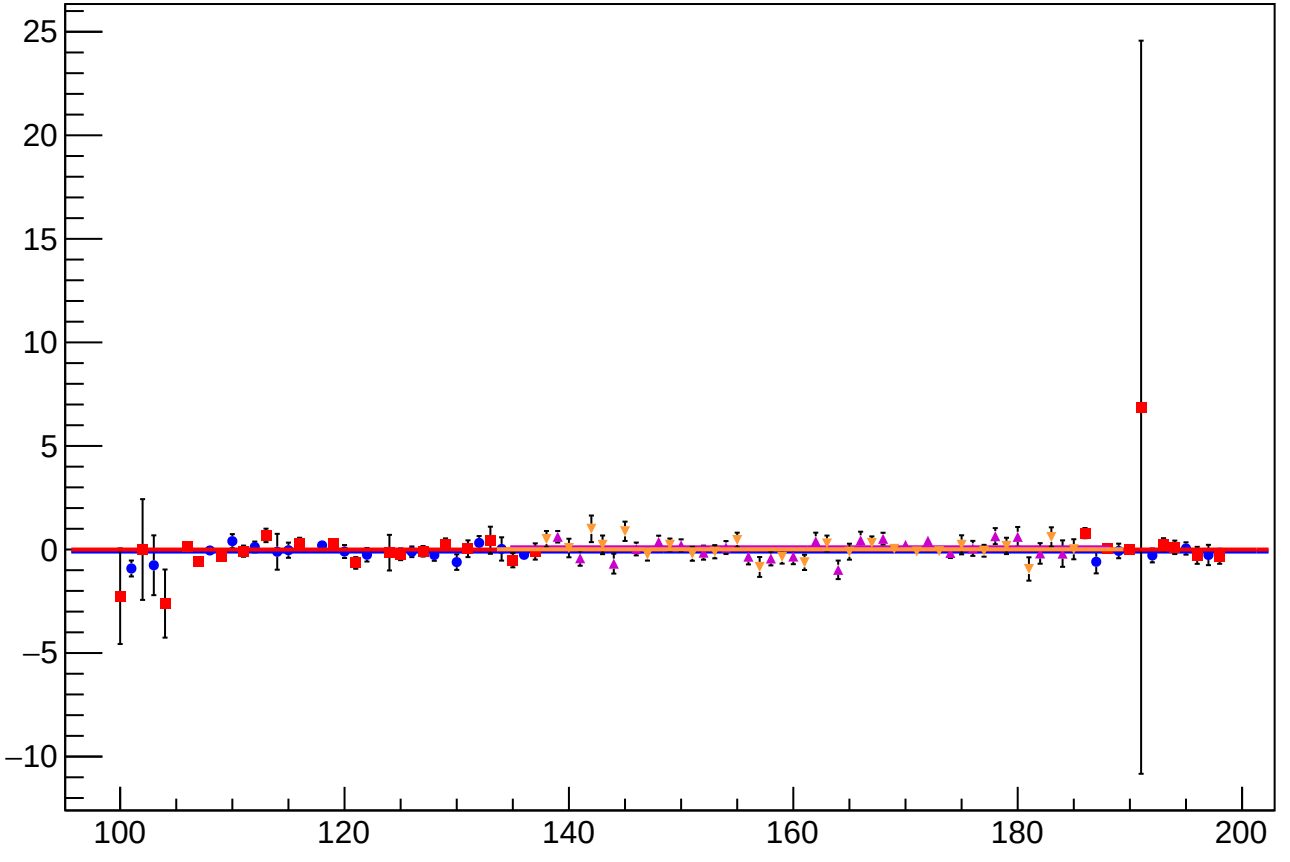
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 245.143+/-0.034 χ^2/NDF: 5986951.0/45

All: 226.468+/-0.023 χ^2/NDF: 16048921.8/95

- sign 211.902+/-0.030 χ^2/NDF: 9539022.1/49

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.002+/-0.055 χ^2/NDF: 42.0/26

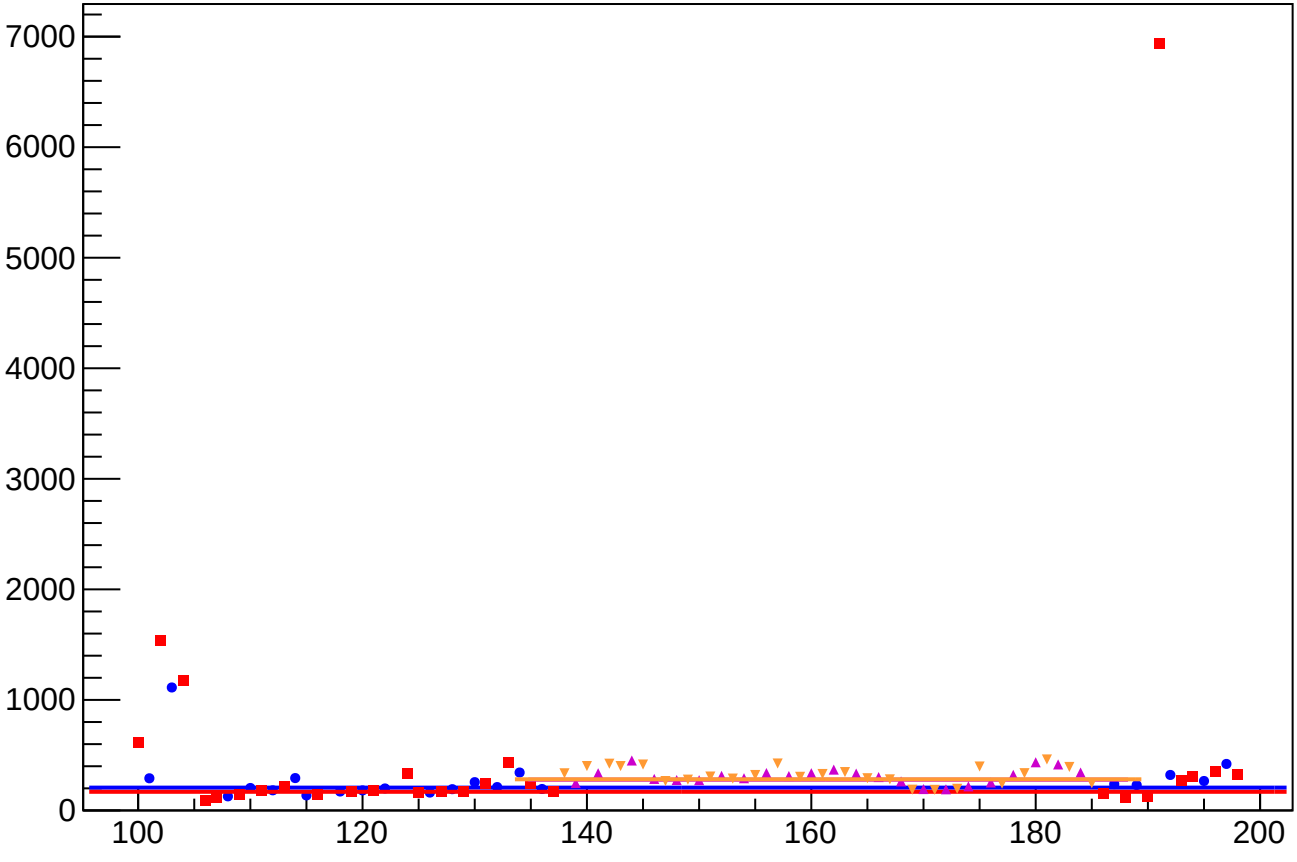
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.043+/-0.049 χ^2/NDF: 41.9/45

All: 0.004+/-0.032 χ^2/NDF: 118.4/95

\- sign 0.040+/-0.043 χ^2/NDF: 75.0/49

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 206.551+/-0.049 χ^2/NDF: 2273813.2/20

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

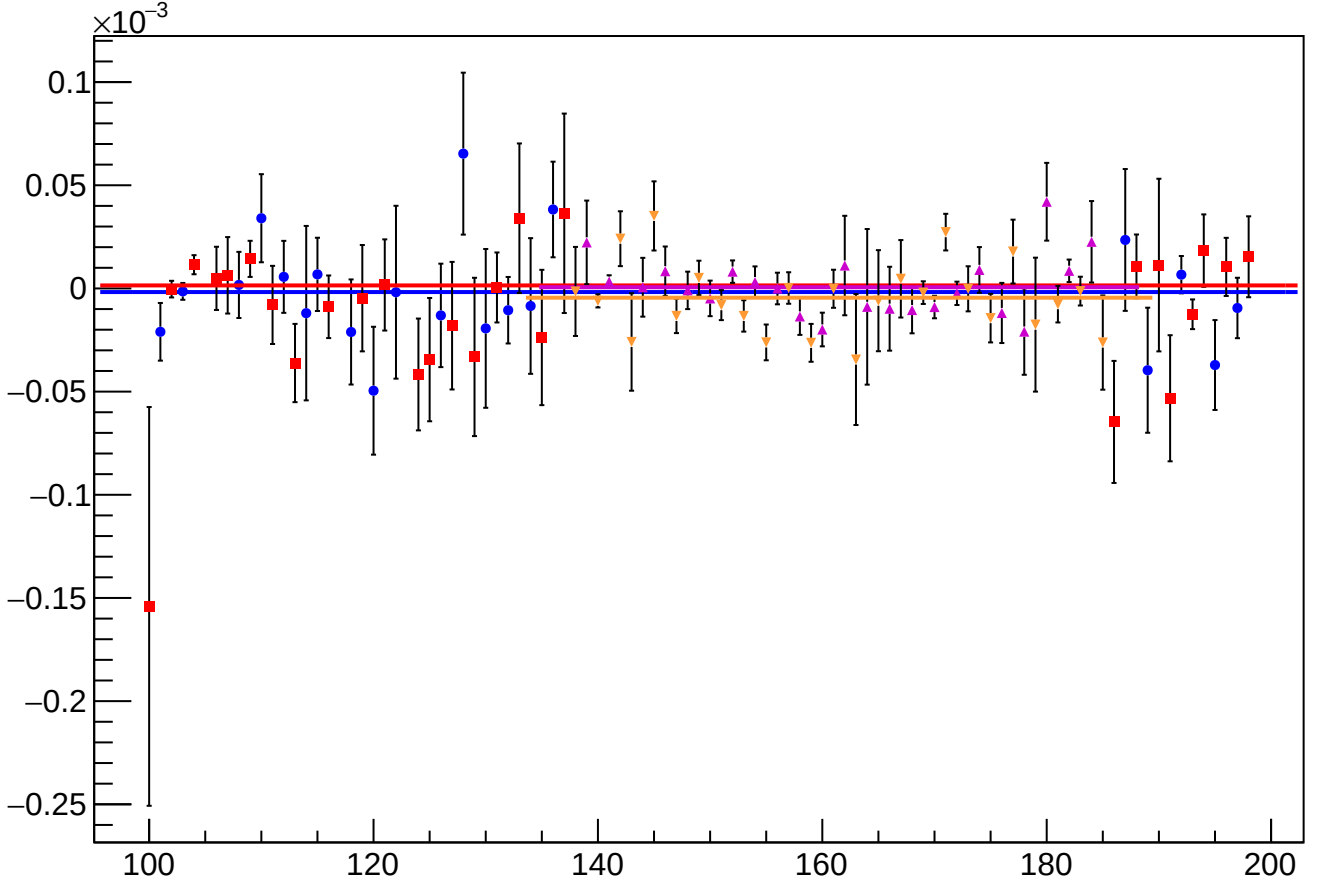
Right Out: 168.745+/-0.039 χ^2/NDF: 4639379.3/26

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 245.143+/-0.034 χ^2/NDF: 5986951.0/45

All: 226.468+/-0.023 χ^2/NDF: 16048921.8/95

- sign 211.902+/-0.030 χ^2/NDF: 9539022.1/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/26

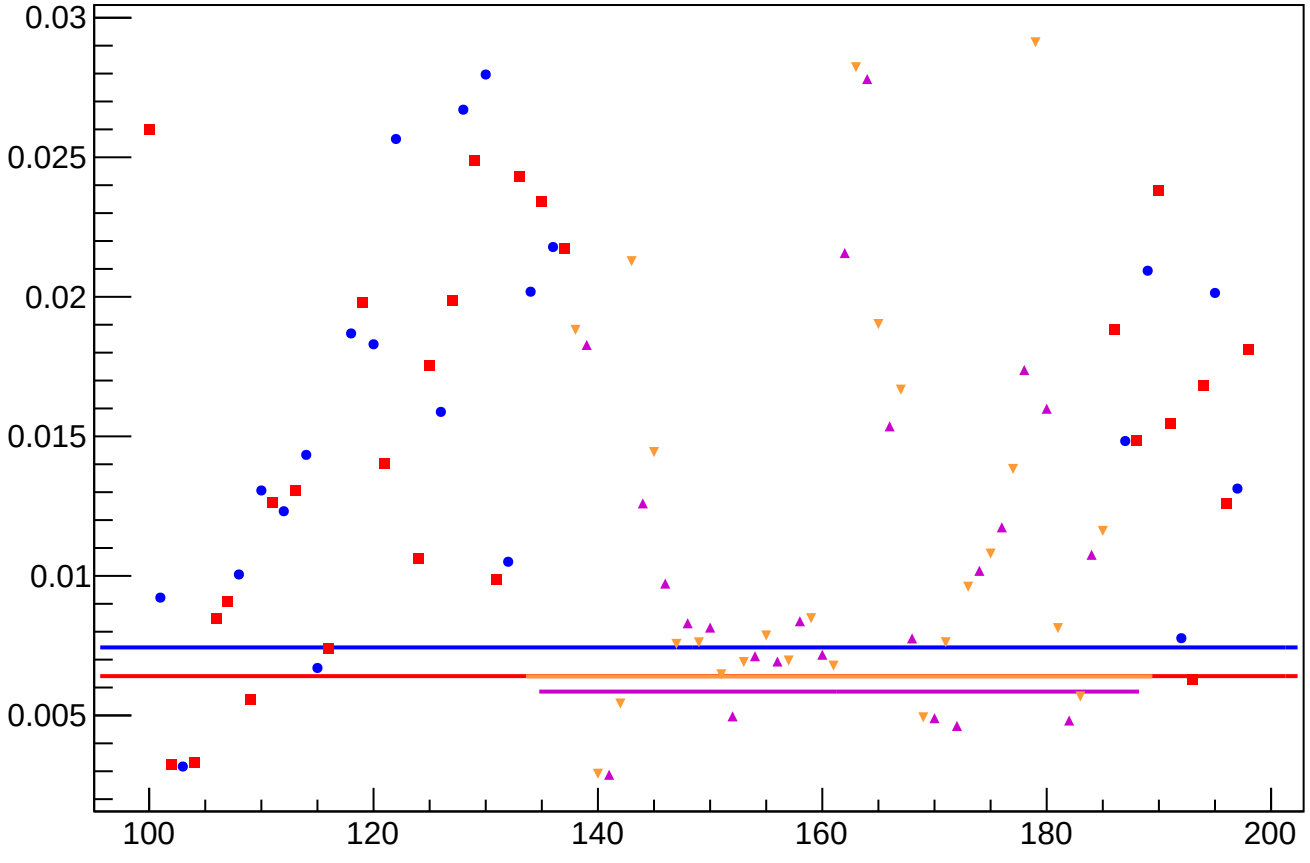
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.7/45

All: -0.000+/-0.000 χ^2/NDF: 138.3/95

- sign 0.000+/-0.000 χ^2/NDF: 65.0/49

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 7537555.9/20

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9311048.5/26

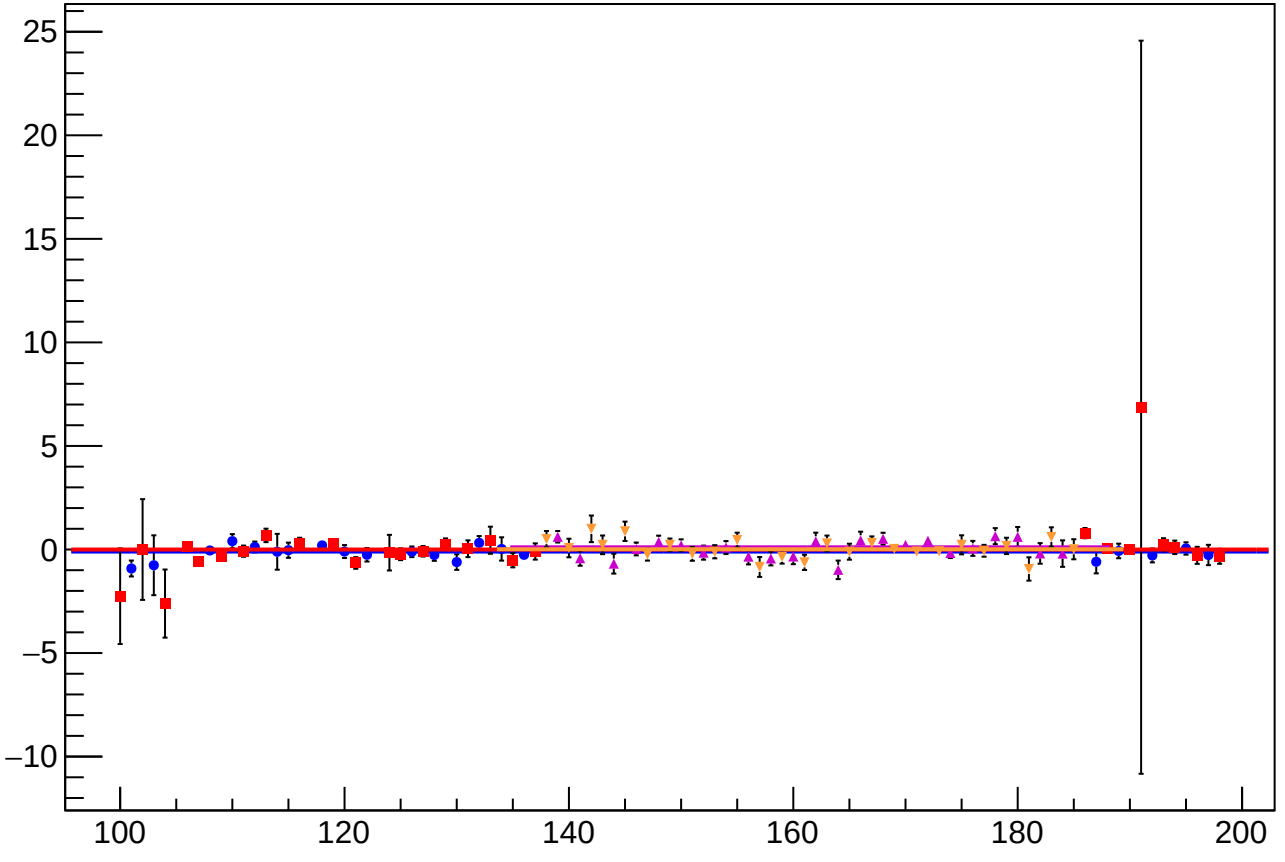
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 16683096.7/45

All: 0.006+/-0.000 χ^2/NDF: 34406743.8/95

- sign 0.006+/-0.000 χ^2/NDF: 17532615.1/49

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.002+/-0.055 χ^2/NDF: 42.0/26

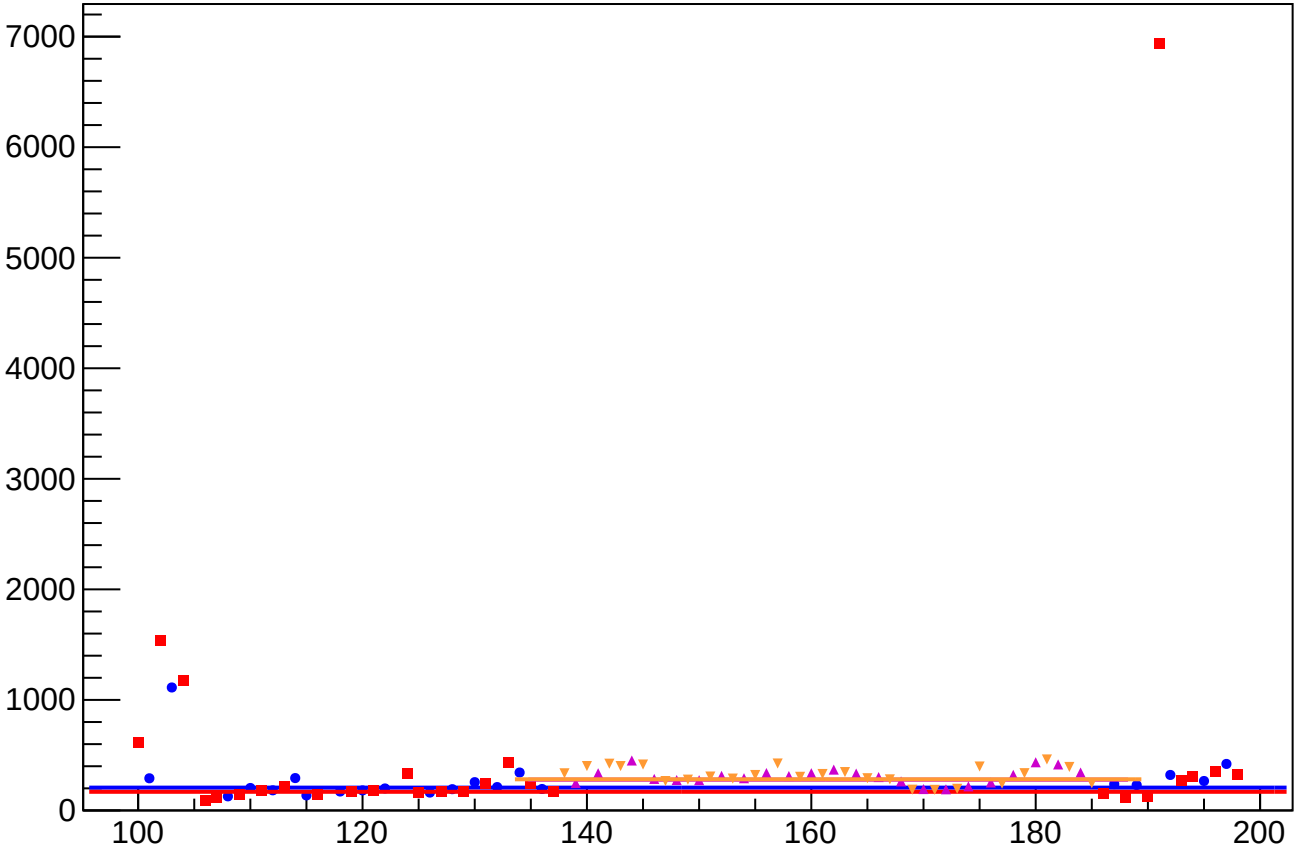
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.049 χ^2/NDF: 41.9/45

All: 0.004+/-0.032 χ^2/NDF: 118.4/95

- sign 0.040+/-0.043 χ^2/NDF: 75.0/49

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 206.550+/-0.049 χ^2/NDF: 2273801.3/20

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 168.742+/-0.039 χ^2/NDF: 4639484.7/26

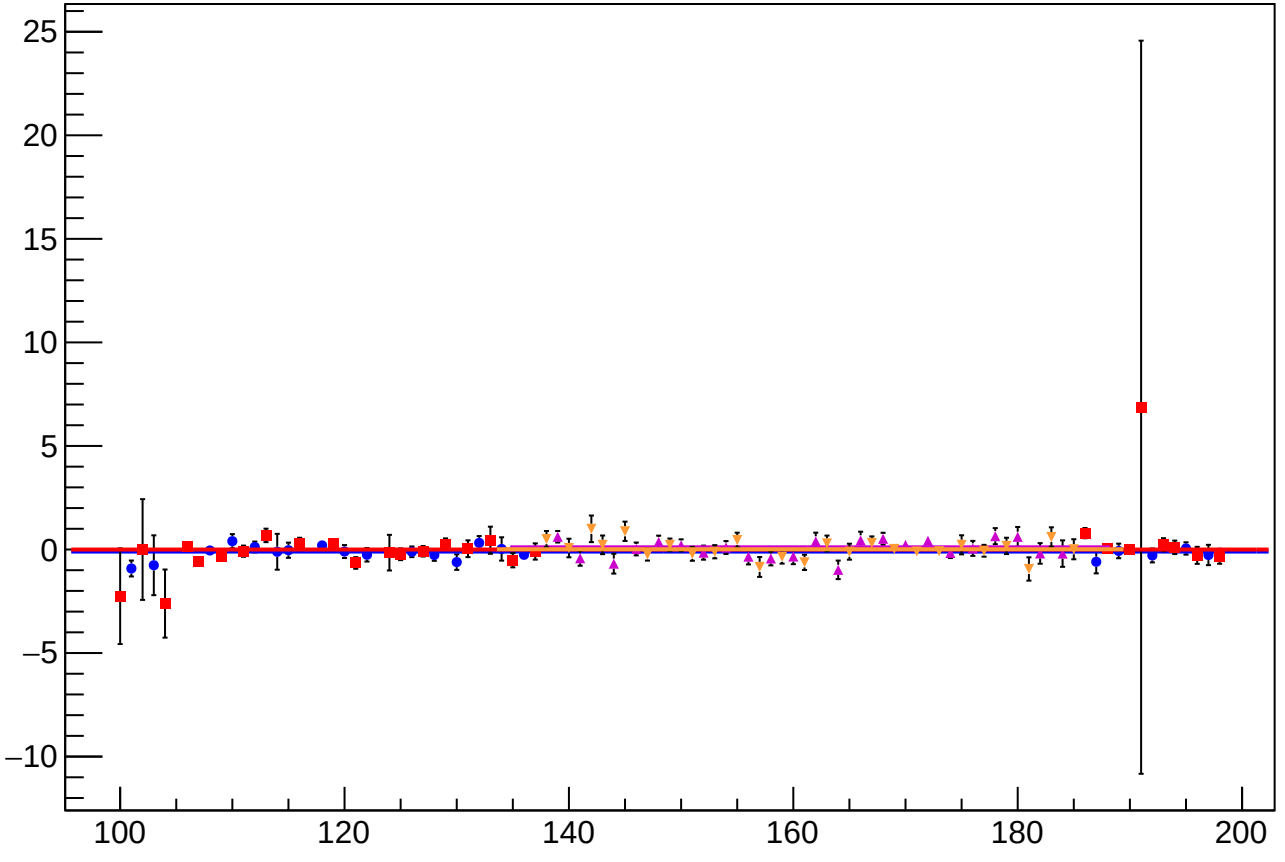
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 245.144+/-0.034 χ^2/NDF: 5987093.6/45

All: 226.467+/-0.023 χ^2/NDF: 16049628.3/95

- sign 211.899+/-0.030 χ^2/NDF: 9539494.7/49

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.002+/-0.055 χ^2/NDF: 42.0/26

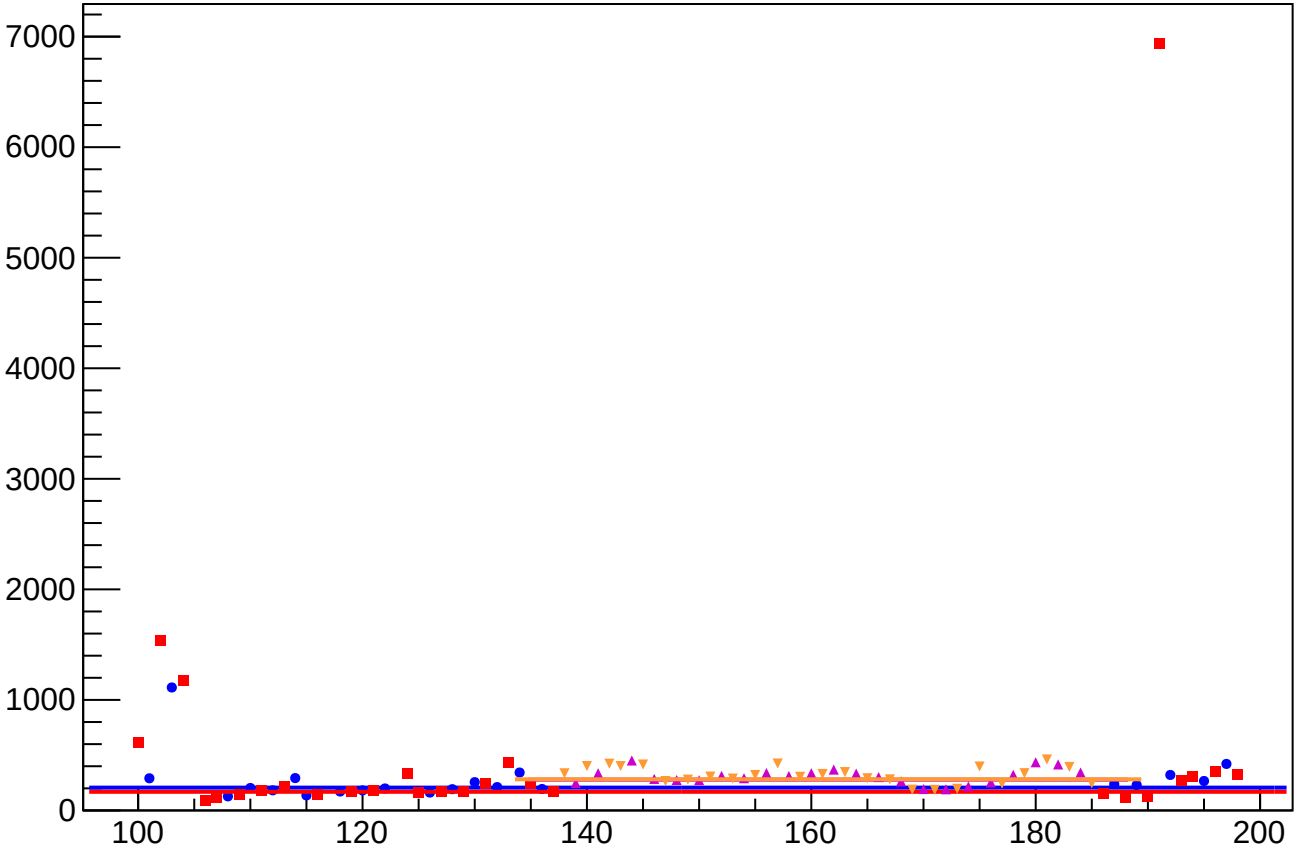
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.049 χ^2/NDF: 41.9/45

All: 0.004+/-0.032 χ^2/NDF: 118.4/95

- sign 0.040+/-0.043 χ^2/NDF: 75.0/49

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 206.550+/-0.049 χ^2/NDF: 2273801.3/20

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

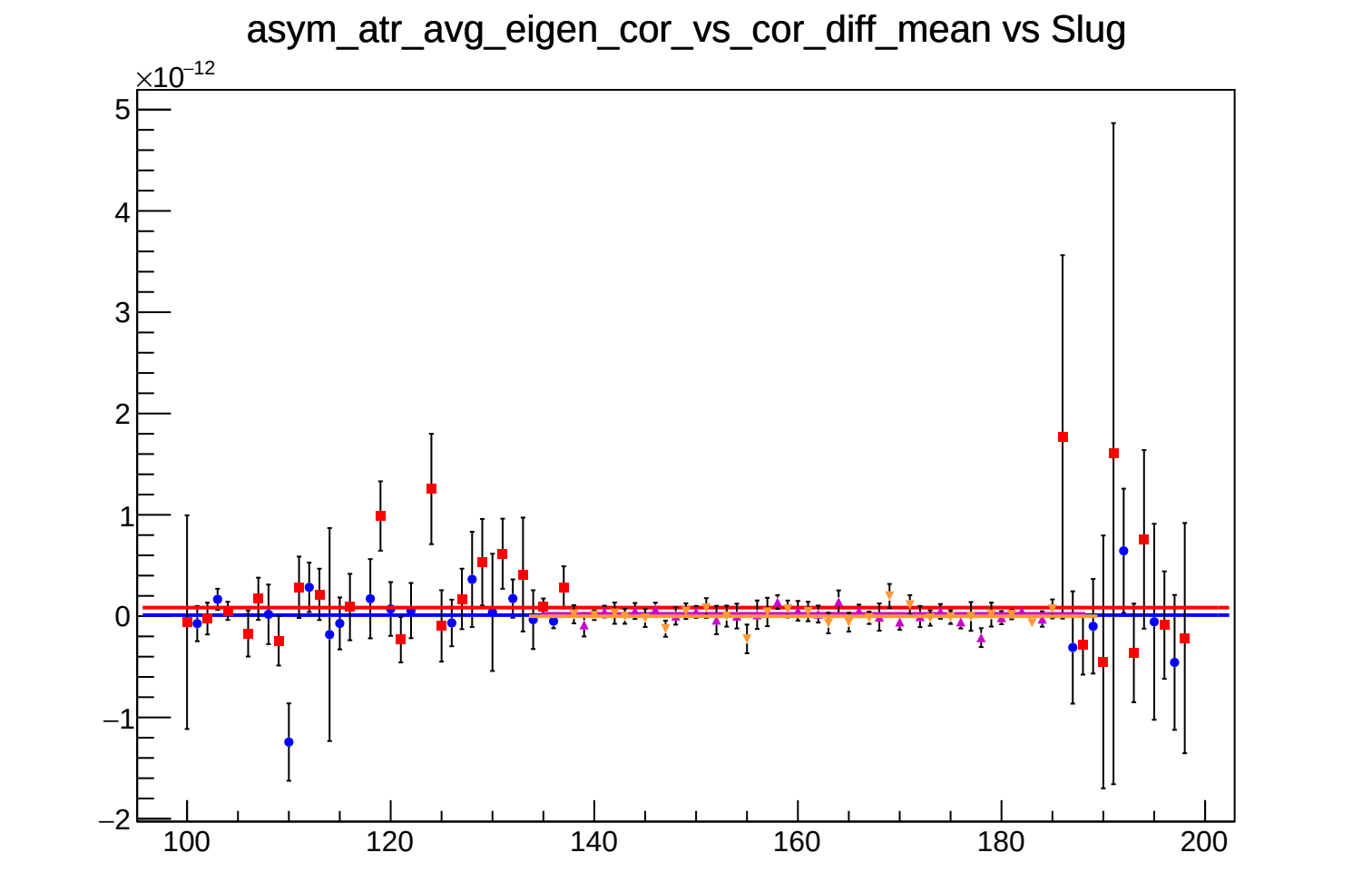
Right Out: 168.742+/-0.039 χ^2/NDF: 4639484.7/26

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 245.144+/-0.034 χ^2/NDF: 5987093.6/45

All: 226.467+/-0.023 χ^2/NDF: 16049628.3/95

- sign 211.899+/-0.030 χ^2/NDF: 9539494.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/26

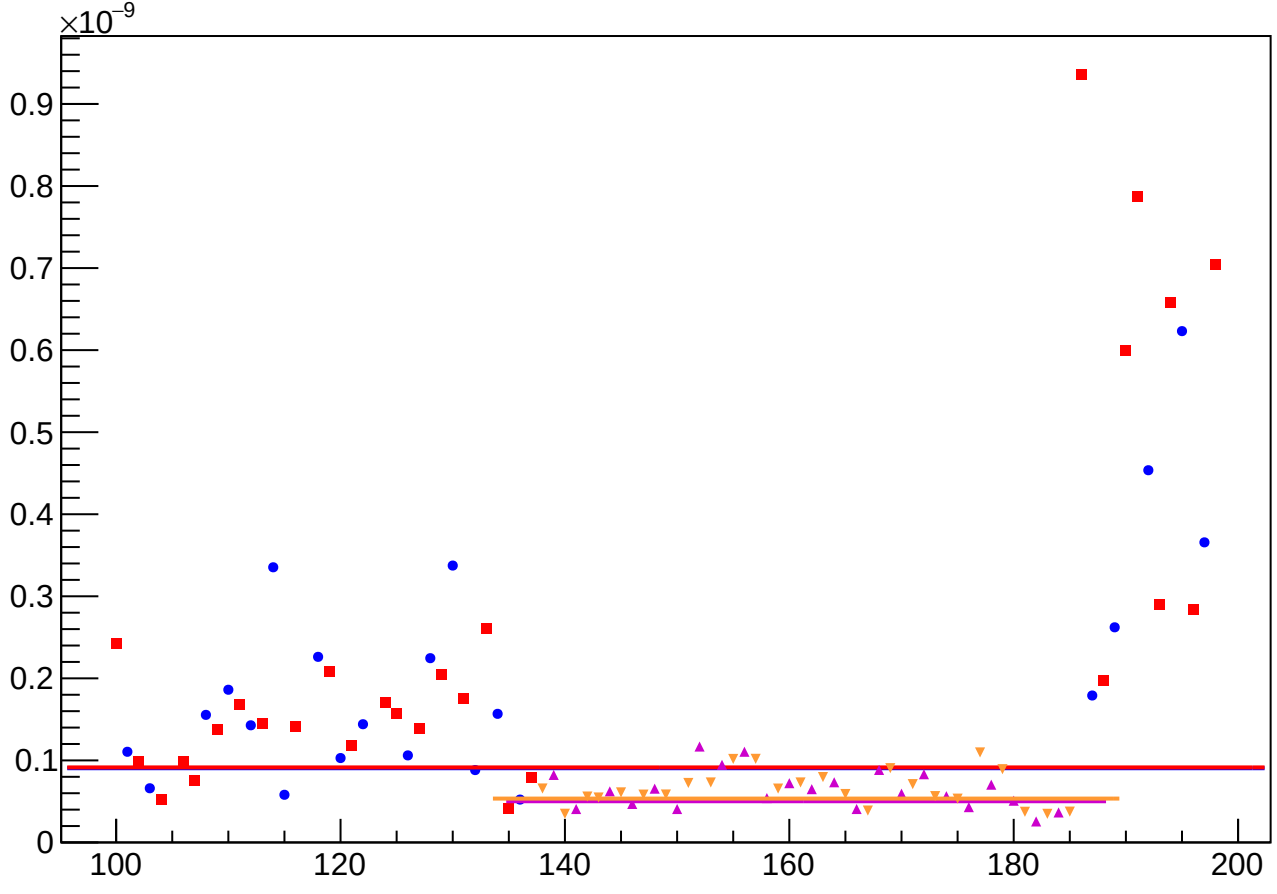
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/45

All: 0.000+/-0.000 χ^2/NDF: 82.8/95

- sign 0.000+/-0.000 χ^2/NDF: 46.3/49

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4123244.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5489603.3/26

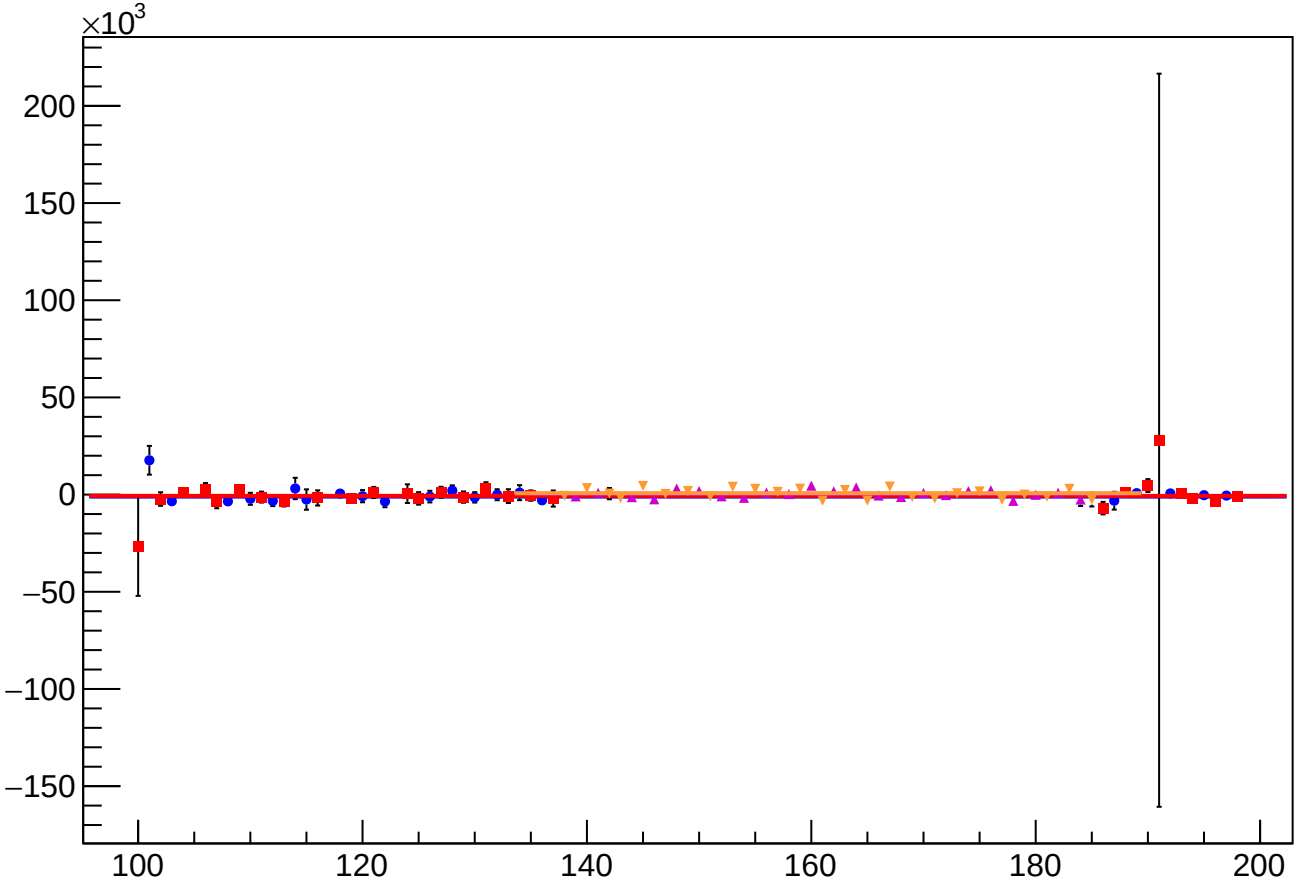
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8115078.7/45

All: 0.000+/-0.000 χ^2/NDF: 18587802.9/95

- sign 0.000+/-0.000 χ^2/NDF: 10438115.1/49

reg_asym_atr_dd_mean vs Slug



Right In: -1011.902+/-598.217 χ^2/NDF: 15.4/20

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -650.516+/-549.645 χ^2/NDF: 19.6/26

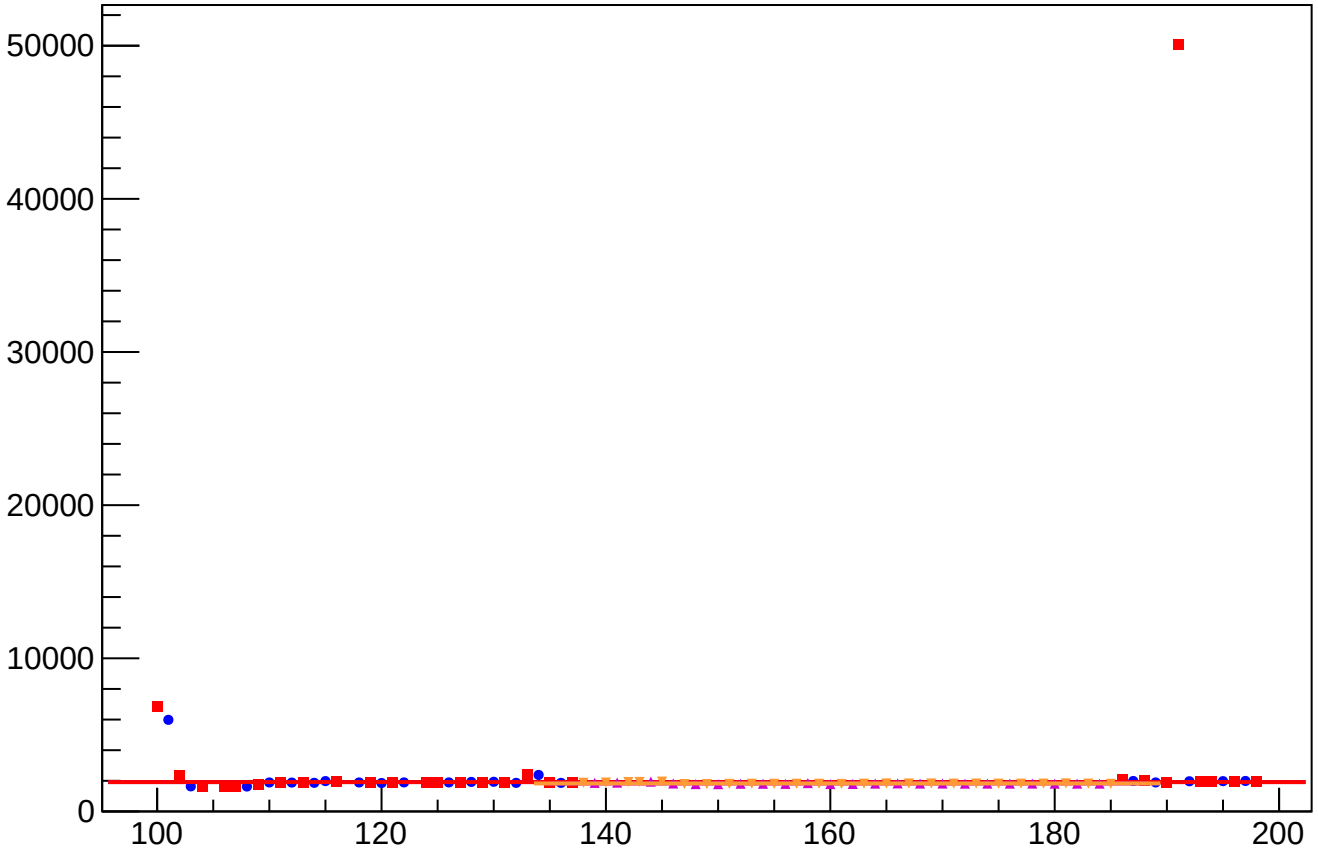
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

\+ sign 146.986+/-341.195 χ^2/NDF: 52.9/45

All: 76.335+/-239.698 χ^2/NDF: 95.6/95

\- sign 7.486+/-336.815 χ^2/NDF: 42.7/49

reg_asym_atr_dd_rms vs Slug



Right In: 1920.134+/-0.423 χ^2/NDF: 704987.3/20

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1917.842+/-0.388 χ^2/NDF: 373299.4/26

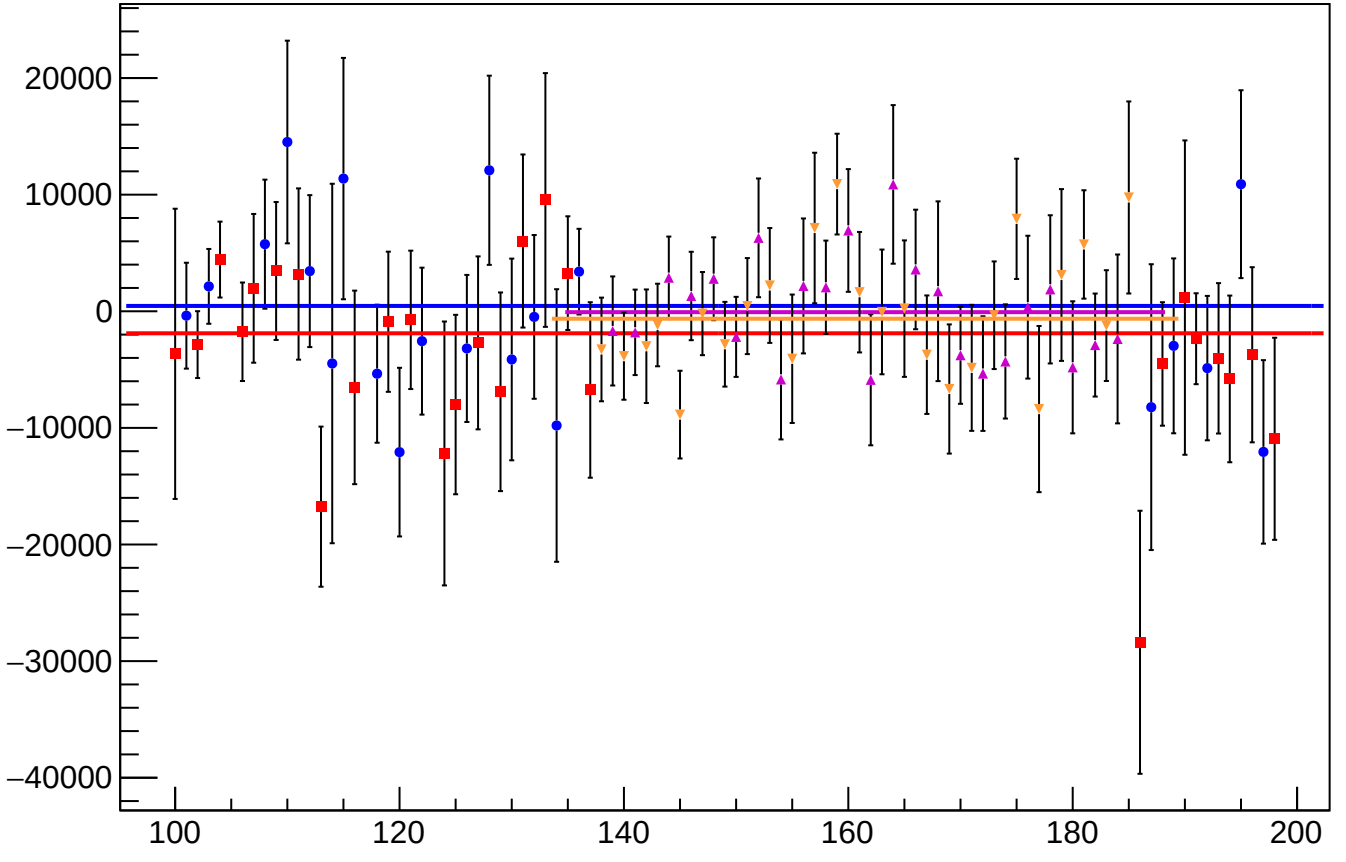
Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

\+ sign 1858.135+/-0.241 χ^2/NDF: 756156.0/45

All: 1859.109+/-0.169 χ^2/NDF: 1178448.9/95

\- sign 1860.056+/-0.238 χ^2/NDF: 422260.7/49

asym_atr_dd_reg_correction_mean vs Slug



Right In: 458.362+/-1361.980 χ^2/NDF: 19.2/20

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1887.670+/-1136.137 χ^2/NDF: 23.6/26

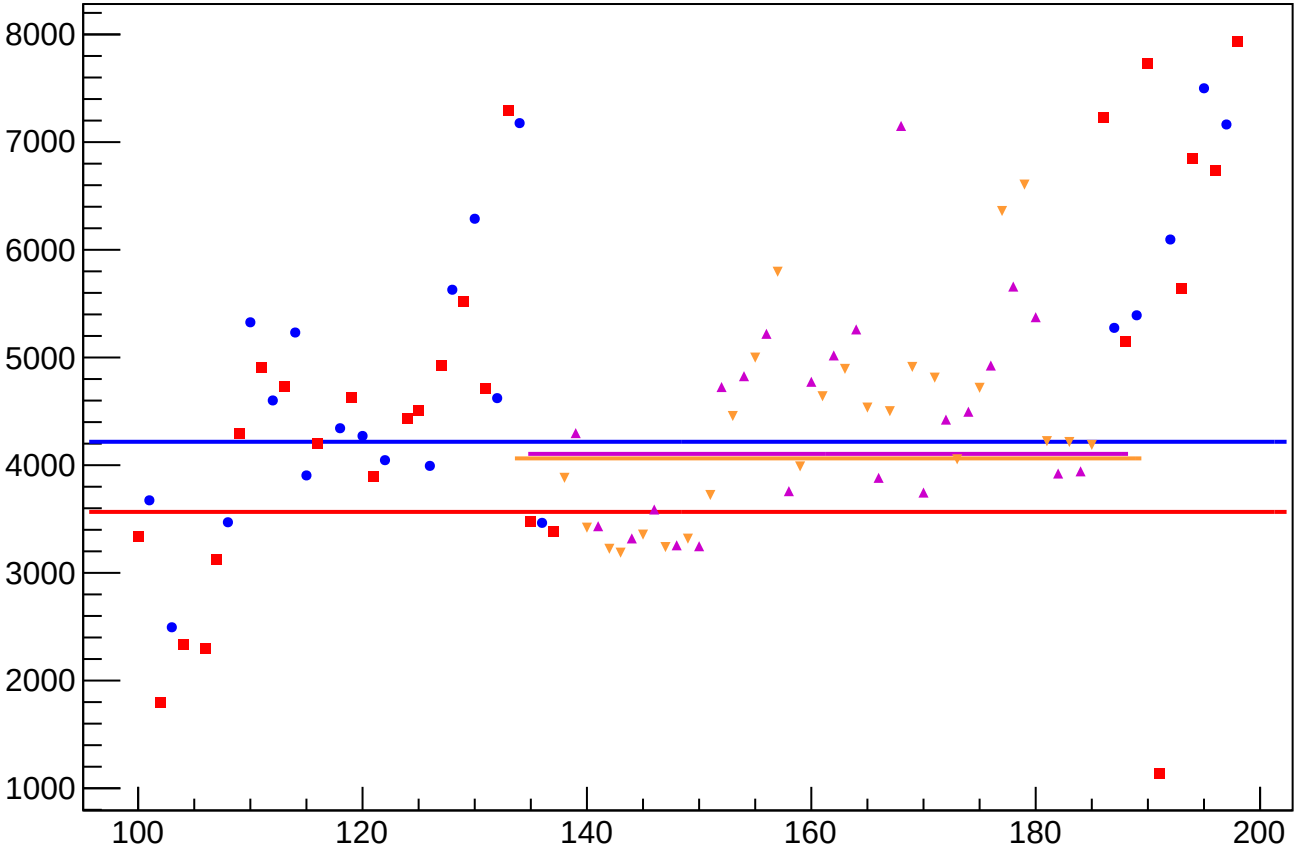
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -280.564+/-777.447 χ^2/NDF: 45.6/45

All: -577.951+/-536.836 χ^2/NDF: 86.4/95

- sign -848.971+/-742.183 χ^2/NDF: 40.5/49

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4217.368+/-0.963 χ^2/NDF: 1951684.3/20

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3566.232+/-0.803 χ^2/NDF: 4820479.5/26

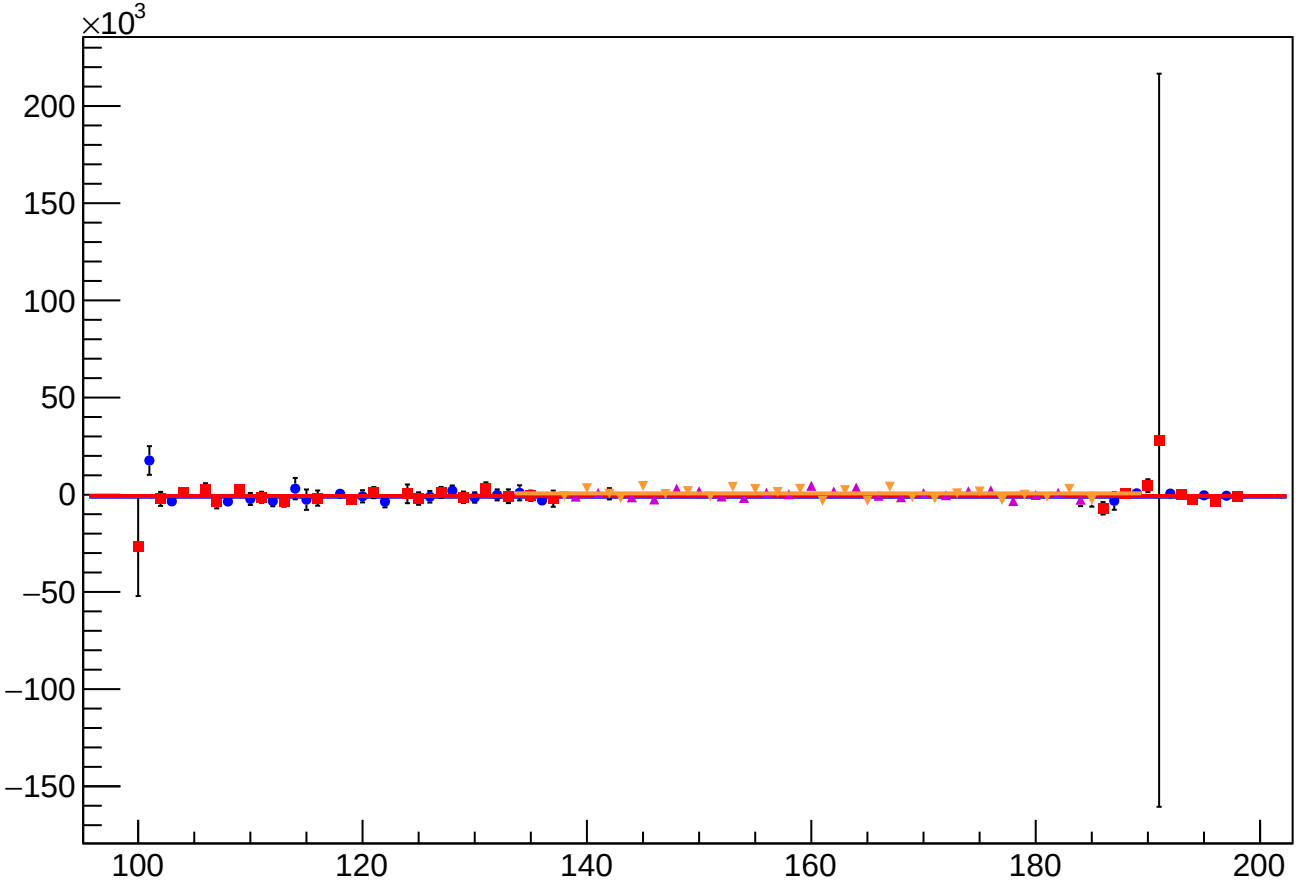
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4113.372+/-0.550 χ^2/NDF: 3374017.1/45

All: 3988.720+/-0.380 χ^2/NDF: 9910140.5/95

- sign 3875.121+/-0.525 χ^2/NDF: 6437853.5/49

cor_asym_atr_dd_mean vs Slug



Right In: -1012.167+/-598.217 χ^2/NDF: 15.3/20

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

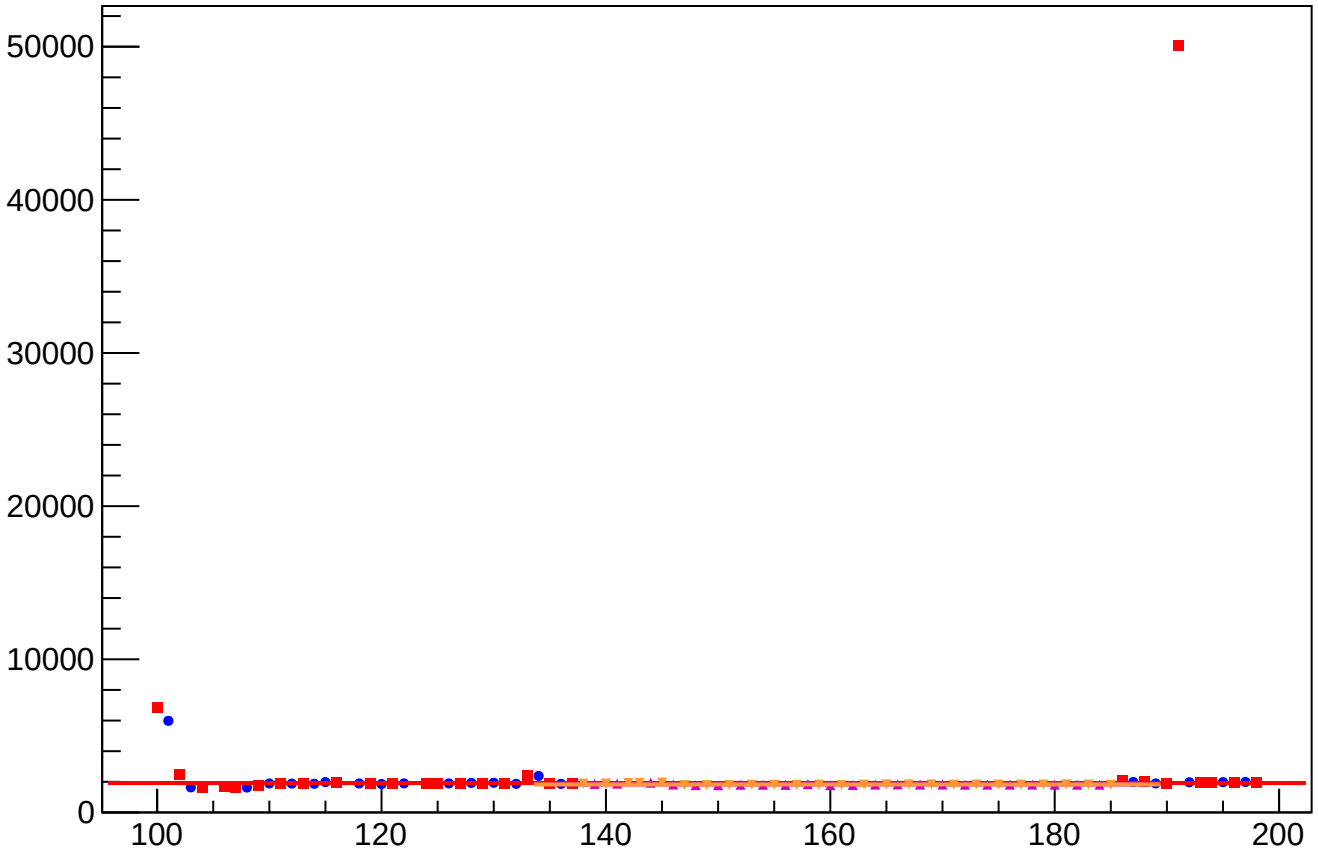
Right Out: -644.629+/-550.099 χ^2/NDF: 19.6/26

Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 146.939+/-341.195 χ^2/NDF: 52.8/45

All: 77.606+/-239.736 χ^2/NDF: 95.5/95

- sign 10.000+/-336.920 χ^2/NDF: 42.6/49



Right In: 1920.134+/-0.423 χ^2/NDF: 704987.5/20

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

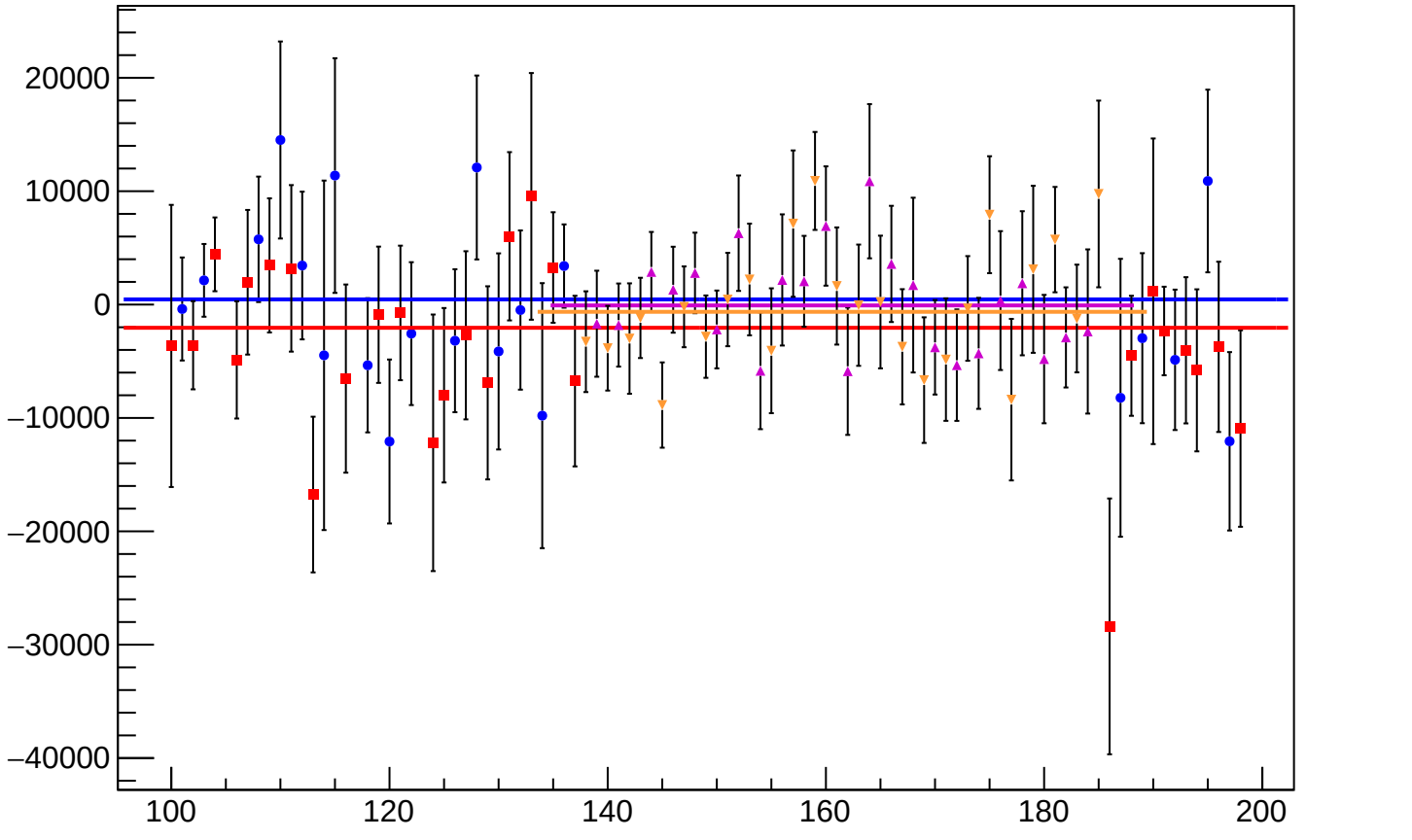
Right Out: 1922.147+/-0.389 χ^2/NDF: 379832.2/26

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1858.135+/-0.241 χ^2/NDF: 756156.1/45

All: 1859.884+/-0.169 χ^2/NDF: 1188342.8/95

- sign 1861.588+/-0.238 χ^2/NDF: 432083.0/49



Right In: 457.225+/-1362.115 χ^2/NDF: 19.2/20

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -2047.299+/-1195.021 χ^2/NDF: 24.0/26

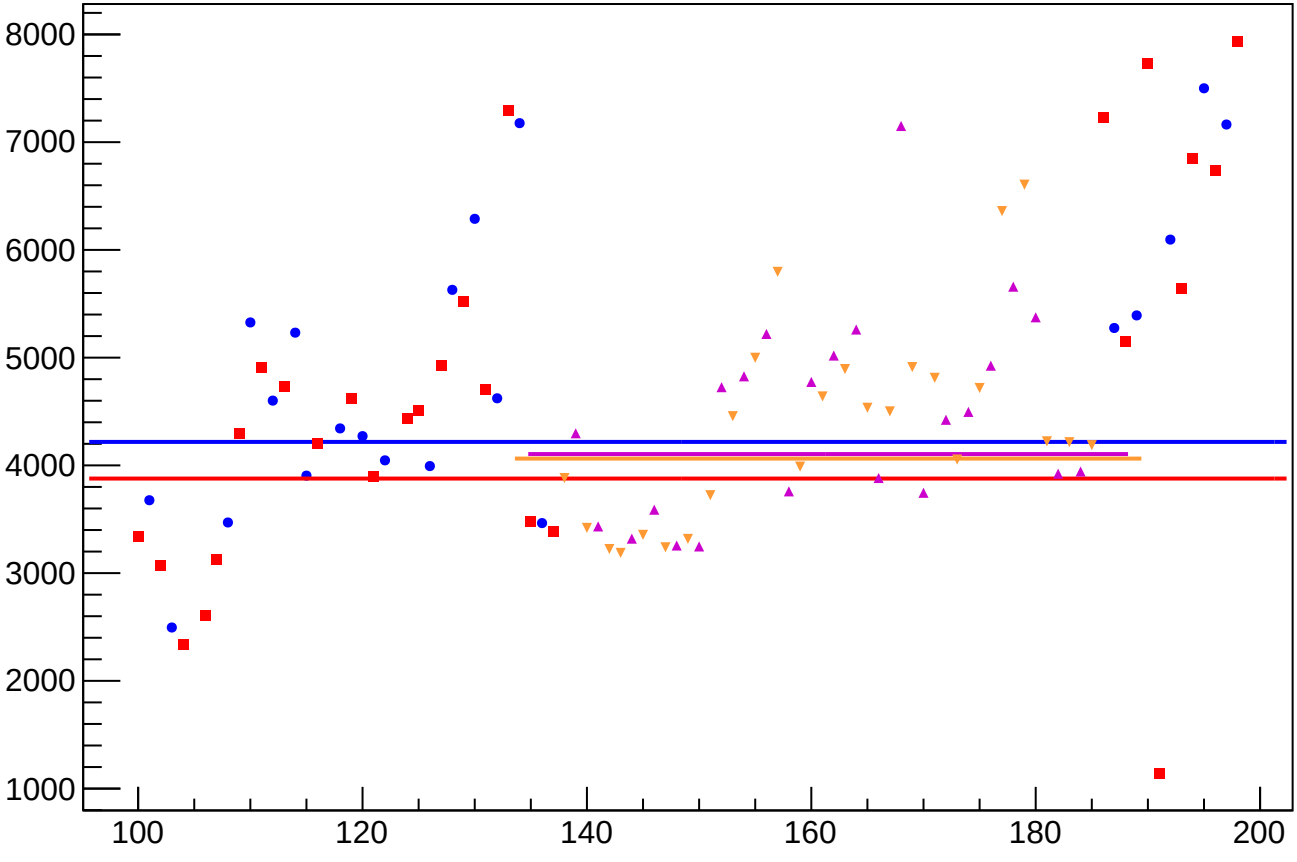
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -280.994+/-777.472 χ^2/NDF: 45.6/45

All: -582.374+/-542.699 χ^2/NDF: 87.0/95

- sign -868.762+/-757.888 χ^2/NDF: 41.1/49

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4217.890+/-0.963 χ^2/NDF: 1950820.0/20

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3877.710+/-0.845 χ^2/NDF: 3840518.2/26

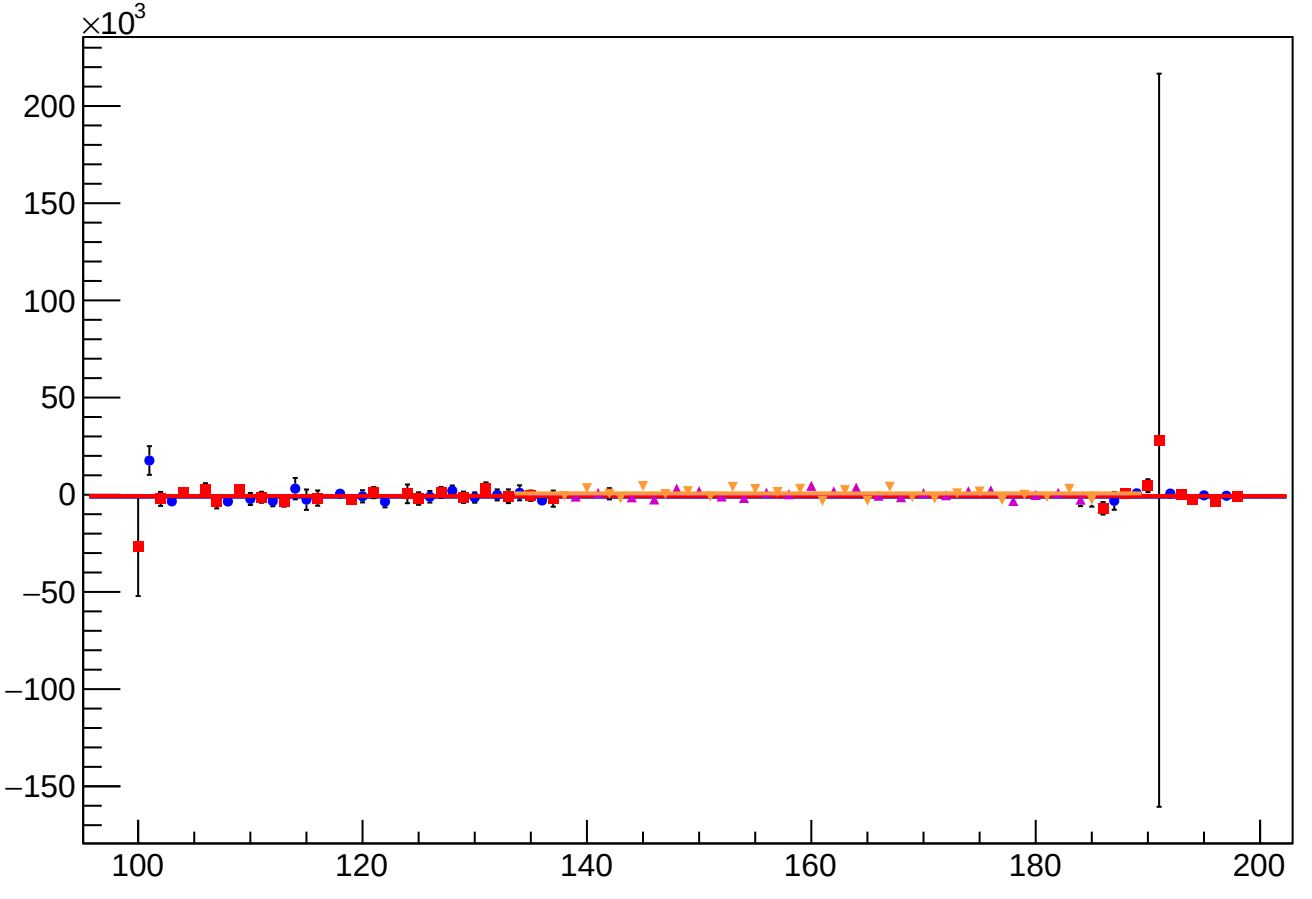
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4113.533+/-0.550 χ^2/NDF: 3373262.6/45

All: 4062.297+/-0.384 χ^2/NDF: 8633491.3/95

- sign 4013.610+/-0.536 χ^2/NDF: 5243289.0/49

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1012.167+/-598.217 χ^2/NDF: 15.3/20

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -644.629+/-550.099 χ^2/NDF: 19.6/26

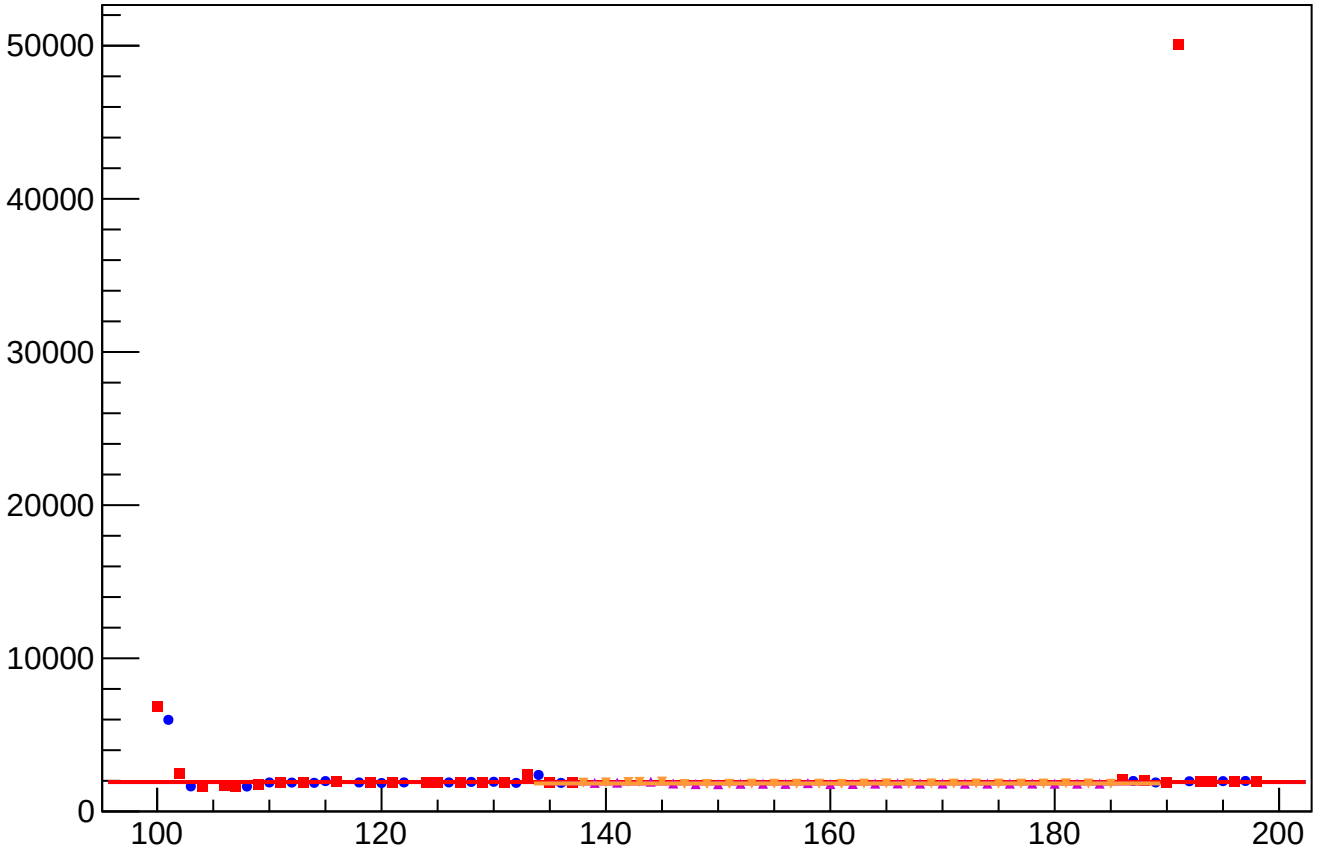
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 146.939+/-341.195 χ^2/NDF: 52.8/45

All: 77.606+/-239.736 χ^2/NDF: 95.5/95

- sign 10.000+/-336.920 χ^2/NDF: 42.6/49

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1920.134+/-0.423 χ^2/NDF: 704987.5/20

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

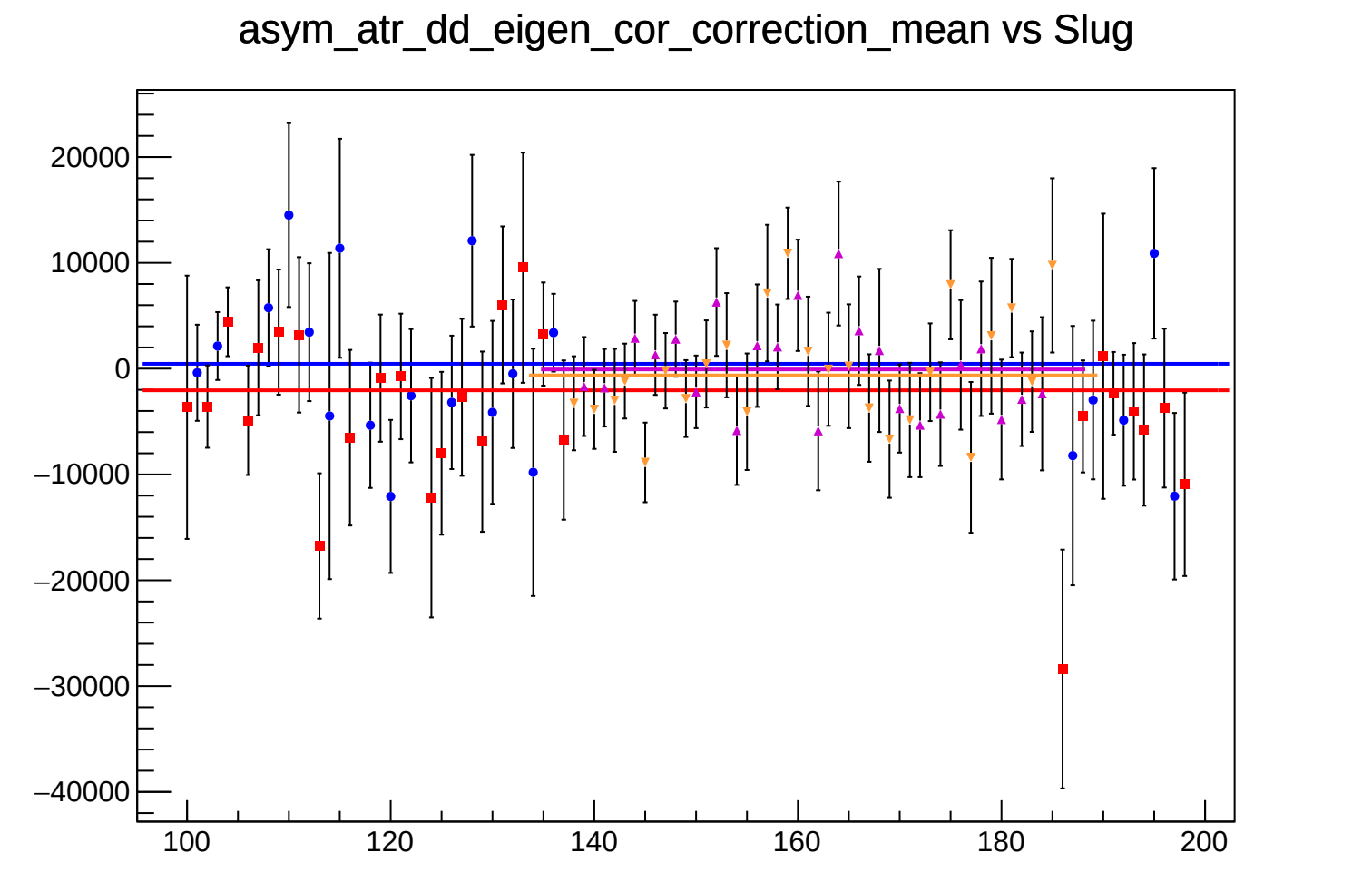
Right Out: 1922.147+/-0.389 χ^2/NDF: 379832.2/26

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1858.135+/-0.241 χ^2/NDF: 756156.1/45

All: 1859.884+/-0.169 χ^2/NDF: 1188342.8/95

- sign 1861.588+/-0.238 χ^2/NDF: 432083.0/49



Right In: 457.225+/-1362.115 χ^2/NDF: 19.2/20

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -2047.299+/-1195.021 χ^2/NDF: 24.0/26

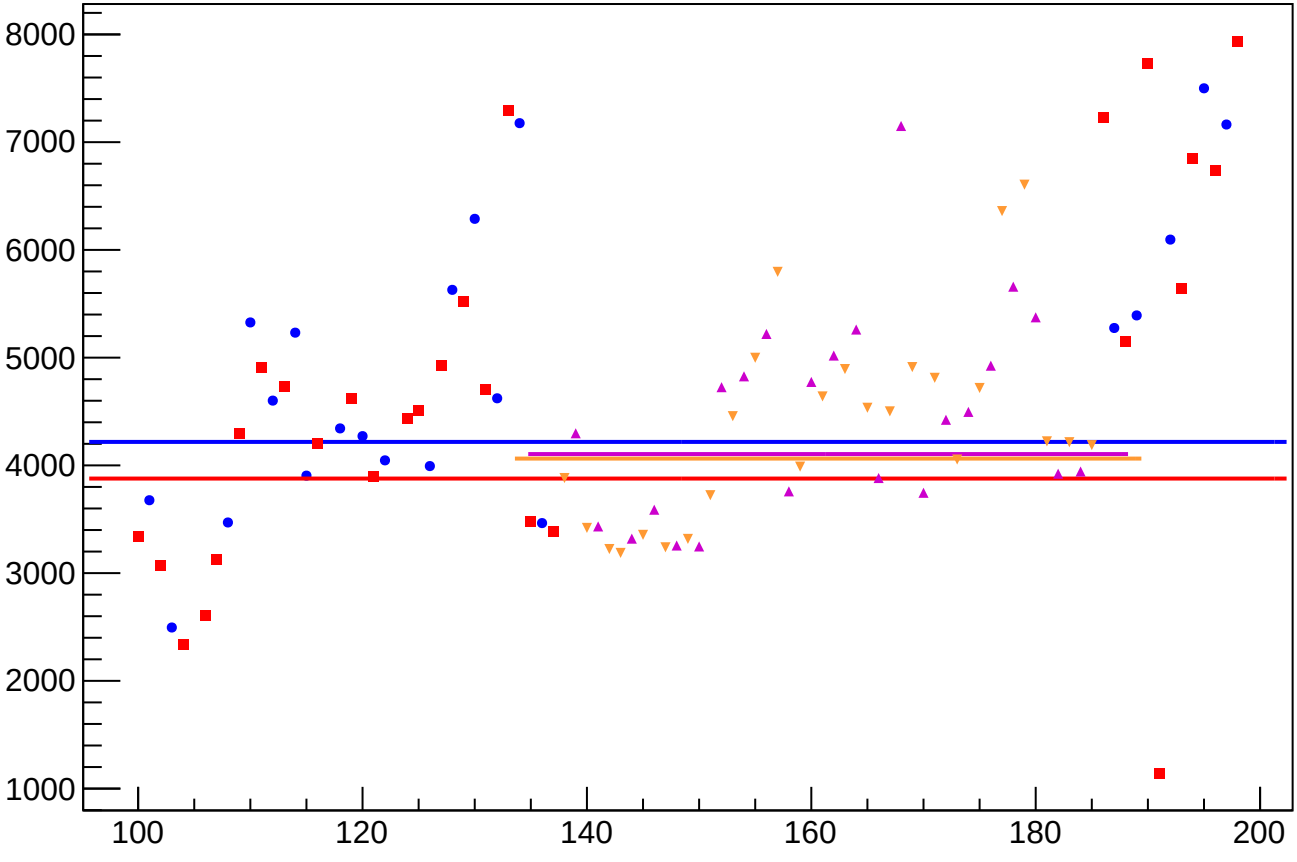
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -280.994+/-777.472 χ^2/NDF: 45.6/45

All: -582.374+/-542.699 χ^2/NDF: 87.0/95

- sign -868.762+/-757.888 χ^2/NDF: 41.1/49

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4217.890+/-0.963 χ^2/NDF: 1950820.0/20

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

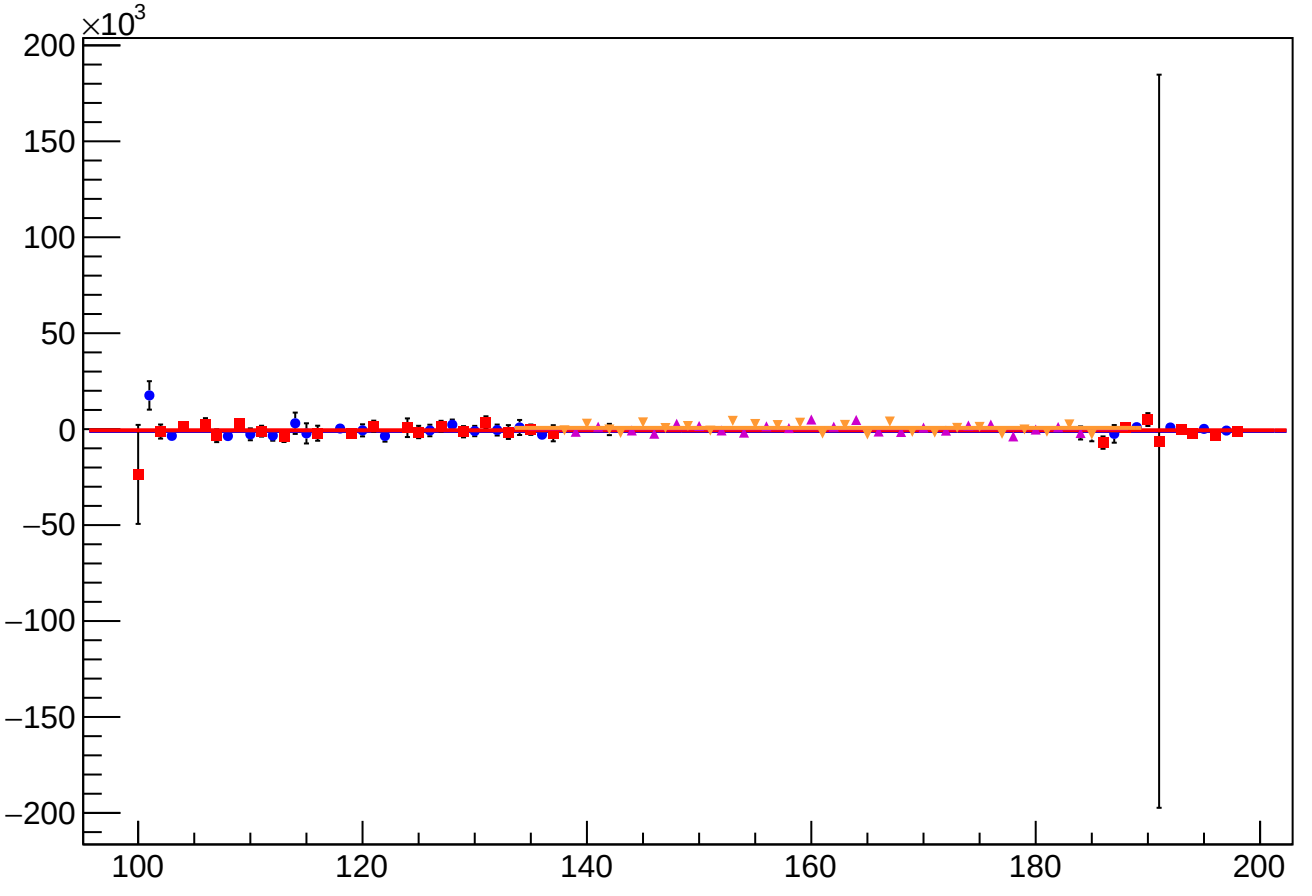
Right Out: 3877.710+/-0.845 χ^2/NDF: 3840518.2/26

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4113.533+/-0.550 χ^2/NDF: 3373262.6/45

All: 4062.297+/-0.384 χ^2/NDF: 8633491.3/95

- sign 4013.610+/-0.536 χ^2/NDF: 5243289.0/49



Right In: -960.149+/-603.640 χ^2/NDF: 15.8/20

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -590.191+/-555.381 χ^2/NDF: 21.1/26

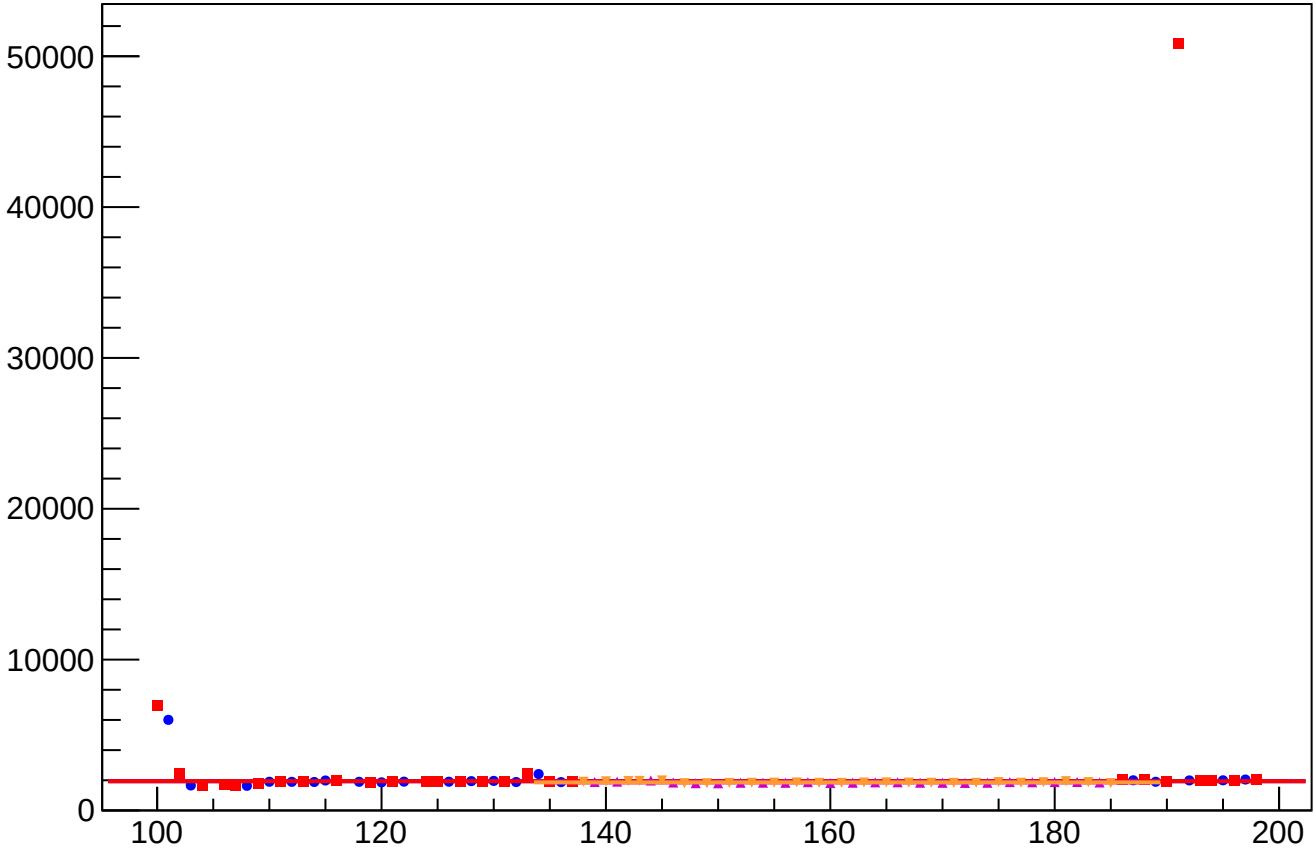
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 124.729+/-346.448 χ^2/NDF: 47.7/45

All: 77.493+/-243.352 χ^2/NDF: 94.4/95

- sign 31.488+/-341.900 χ^2/NDF: 46.7/49

dit_asym_atr_dd_rms vs Slug



Right In: 1937.336+/-0.427 χ^2/NDF: 707456.5/20

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

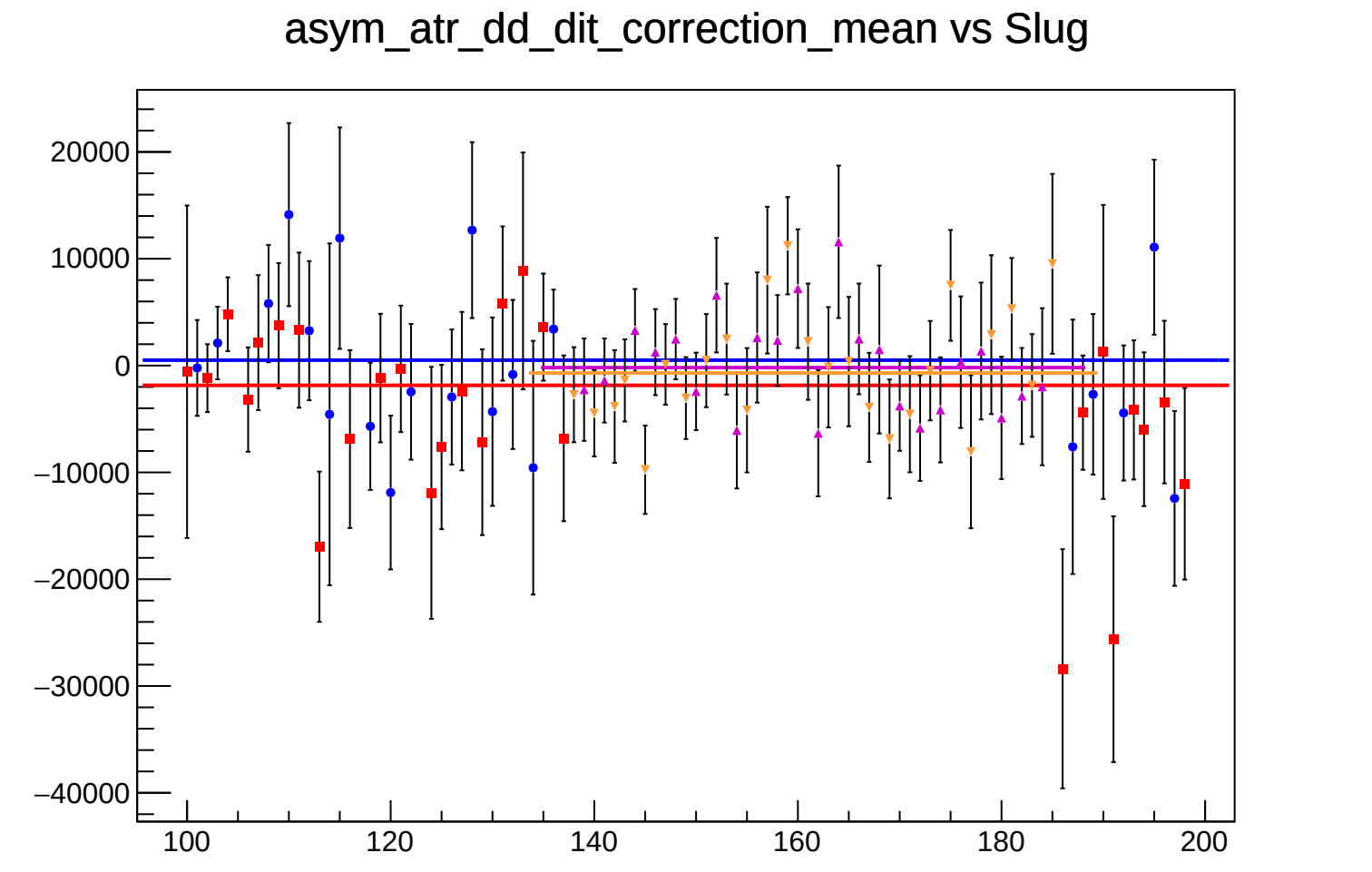
Right Out: 1940.227+/-0.392 χ^2/NDF: 388042.1/26

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1886.635+/-0.245 χ^2/NDF: 754511.6/45

All: 1887.822+/-0.172 χ^2/NDF: 1186454.7/95

- sign 1888.977+/-0.242 χ^2/NDF: 431896.8/49



Right In: 507.488+/-1379.577 χ^2/NDF: 19.0/20

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1852.896+/-1230.435 χ^2/NDF: 27.8/26

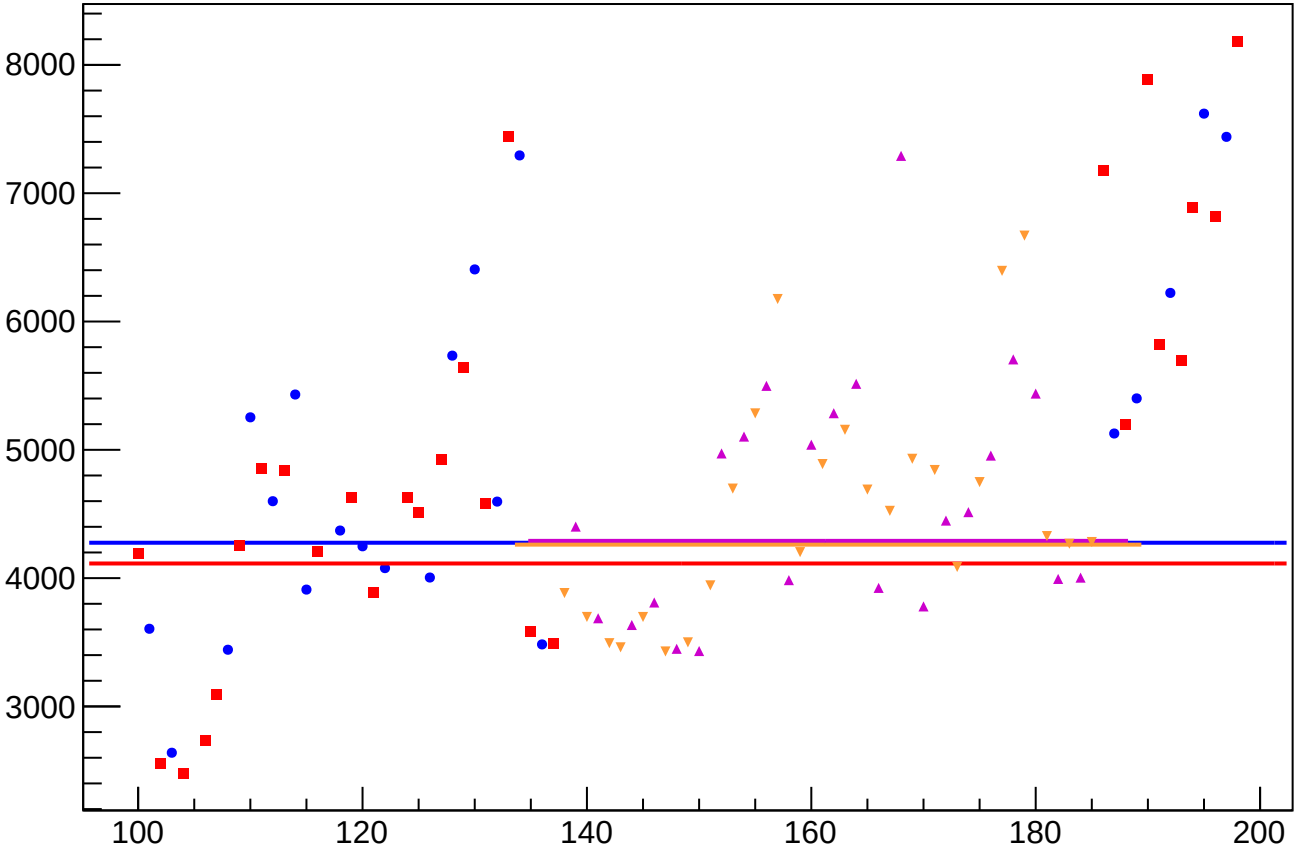
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -288.402+/-804.348 χ^2/NDF: 44.9/45

All: -586.130+/-562.304 χ^2/NDF: 89.1/95

- sign -870.713+/-786.391 χ^2/NDF: 44.0/49

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4275.852+/-0.976 χ^2/NDF: 1887748.5/20

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4114.158+/-0.870 χ^2/NDF: 3028984.2/26

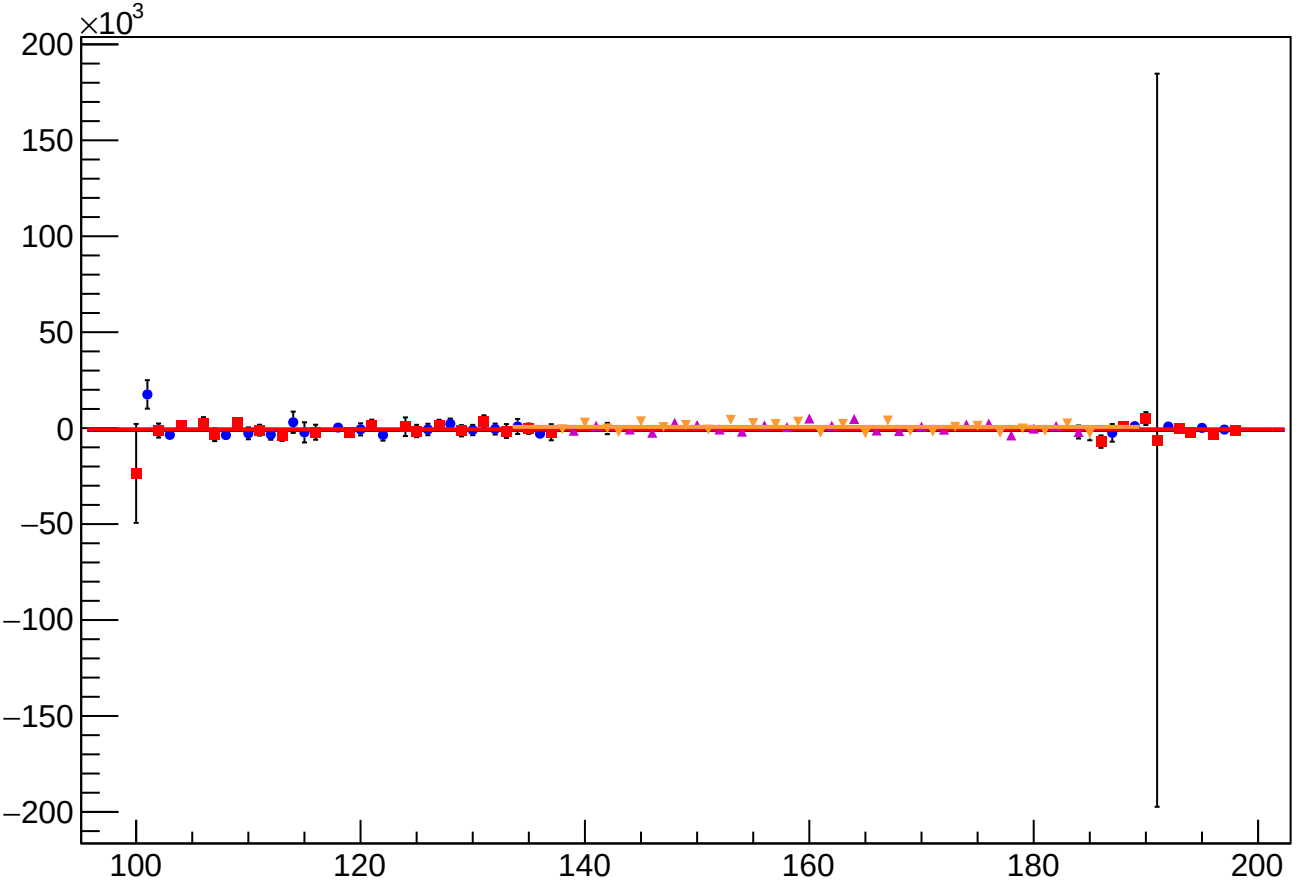
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4266.130+/-0.569 χ^2/NDF: 3078460.3/45

All: 4241.731+/-0.398 χ^2/NDF: 7349280.1/95

- sign 4218.409+/-0.556 χ^2/NDF: 4267220.4/49

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -960.150+/-603.640 χ^2/NDF: 15.8/20

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -590.187+/-555.381 χ^2/NDF: 21.1/26

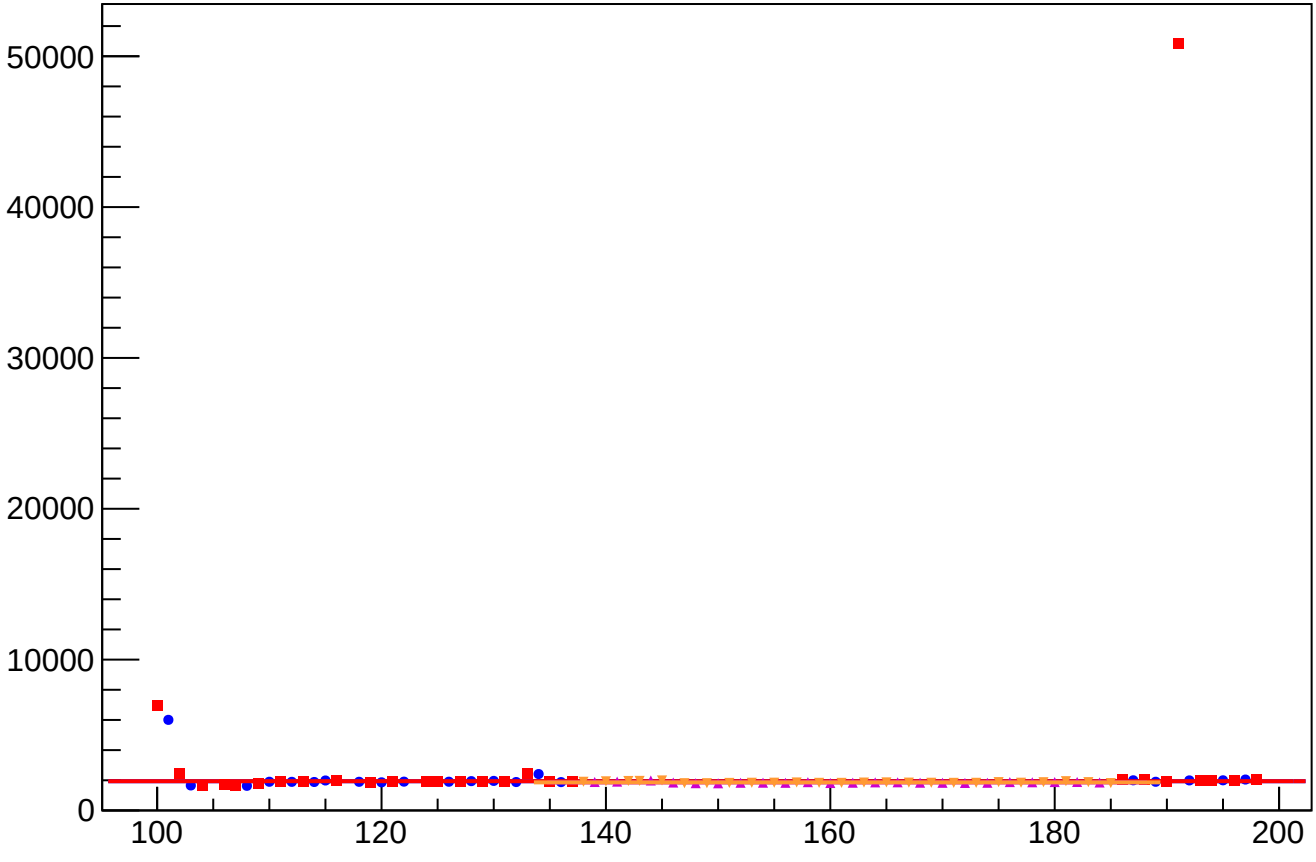
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 124.732+/-346.448 χ^2/NDF: 47.7/45

All: 77.494+/-243.352 χ^2/NDF: 94.4/95

- sign 31.489+/-341.900 χ^2/NDF: 46.7/49

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1937.336+/-0.427 χ^2/NDF: 707456.4/20

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

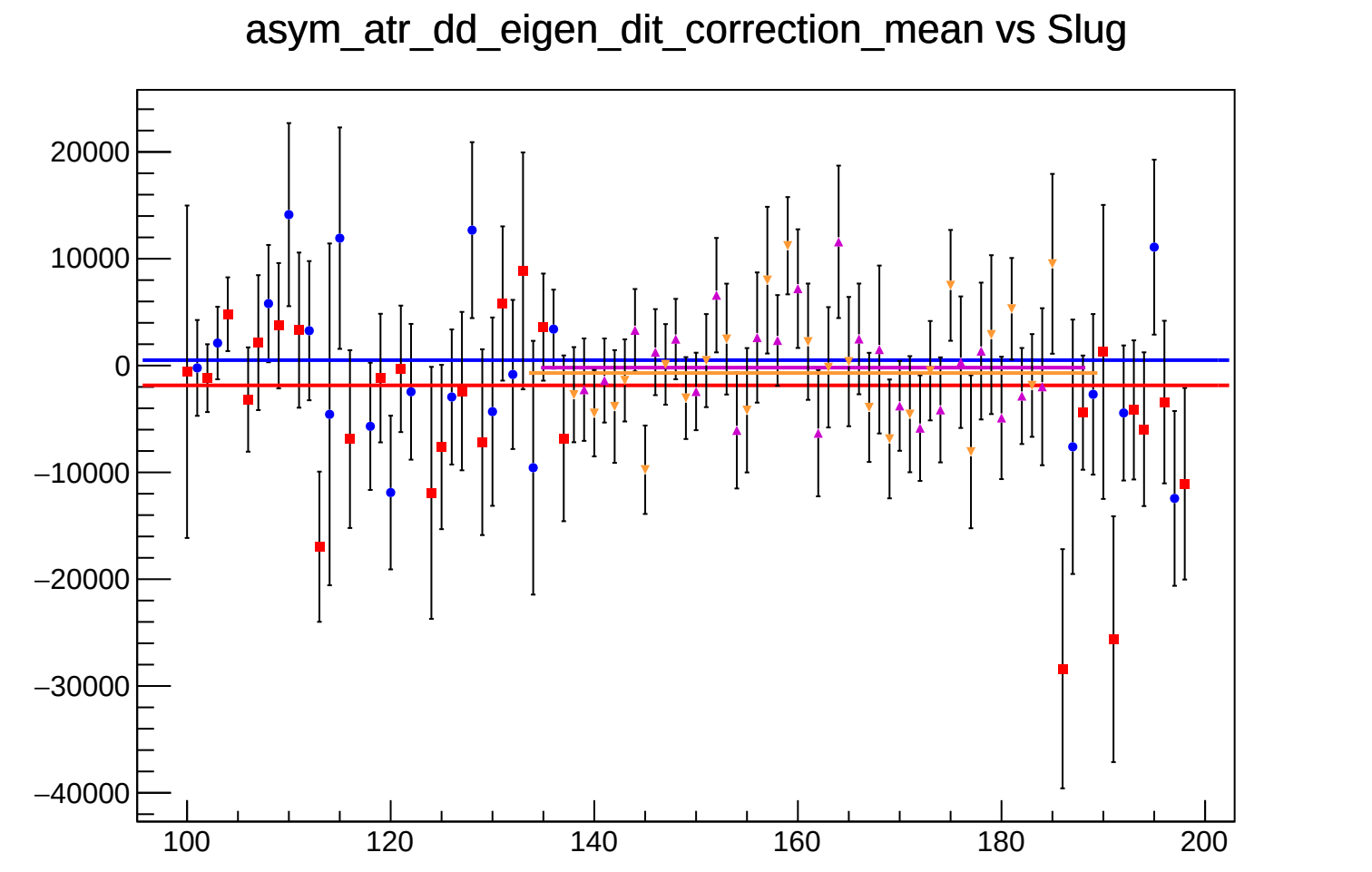
Right Out: 1940.227+/-0.392 χ^2/NDF: 388042.2/26

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1886.635+/-0.245 χ^2/NDF: 754511.0/45

All: 1887.822+/-0.172 χ^2/NDF: 1186453.7/95

- sign 1888.978+/-0.242 χ^2/NDF: 431896.4/49



Right In: 507.475+/-1379.576 χ^2/NDF: 19.0/20

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1852.893+/-1230.434 χ^2/NDF: 27.8/26

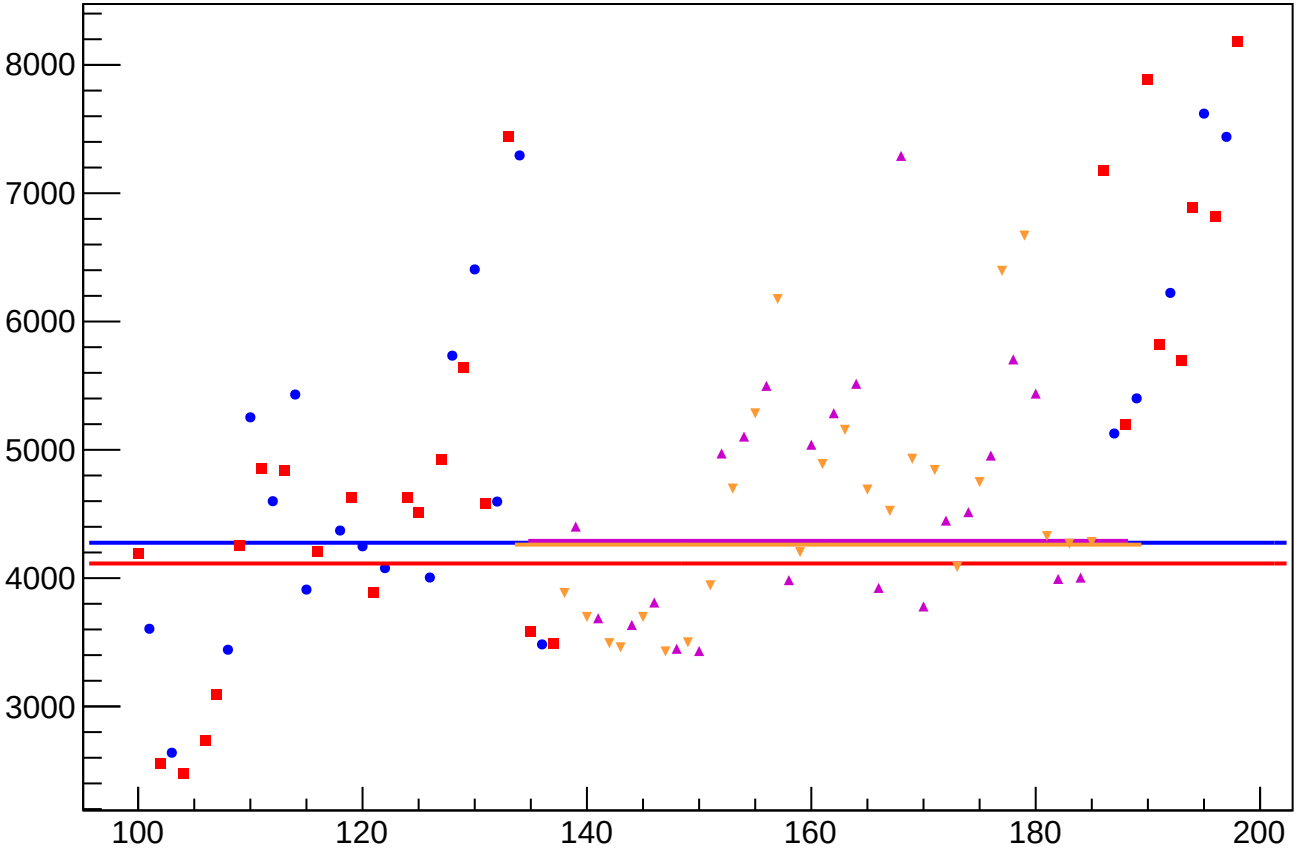
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

\+ sign -288.404+/-804.348 χ^2/NDF: 44.9/45

All: -586.132+/-562.304 χ^2/NDF: 89.1/95

\- sign -870.715+/-786.392 χ^2/NDF: 44.0/49

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4275.849+/-0.976 χ^2/NDF: 1887744.0/20

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4114.155+/-0.870 χ^2/NDF: 3028979.8/26

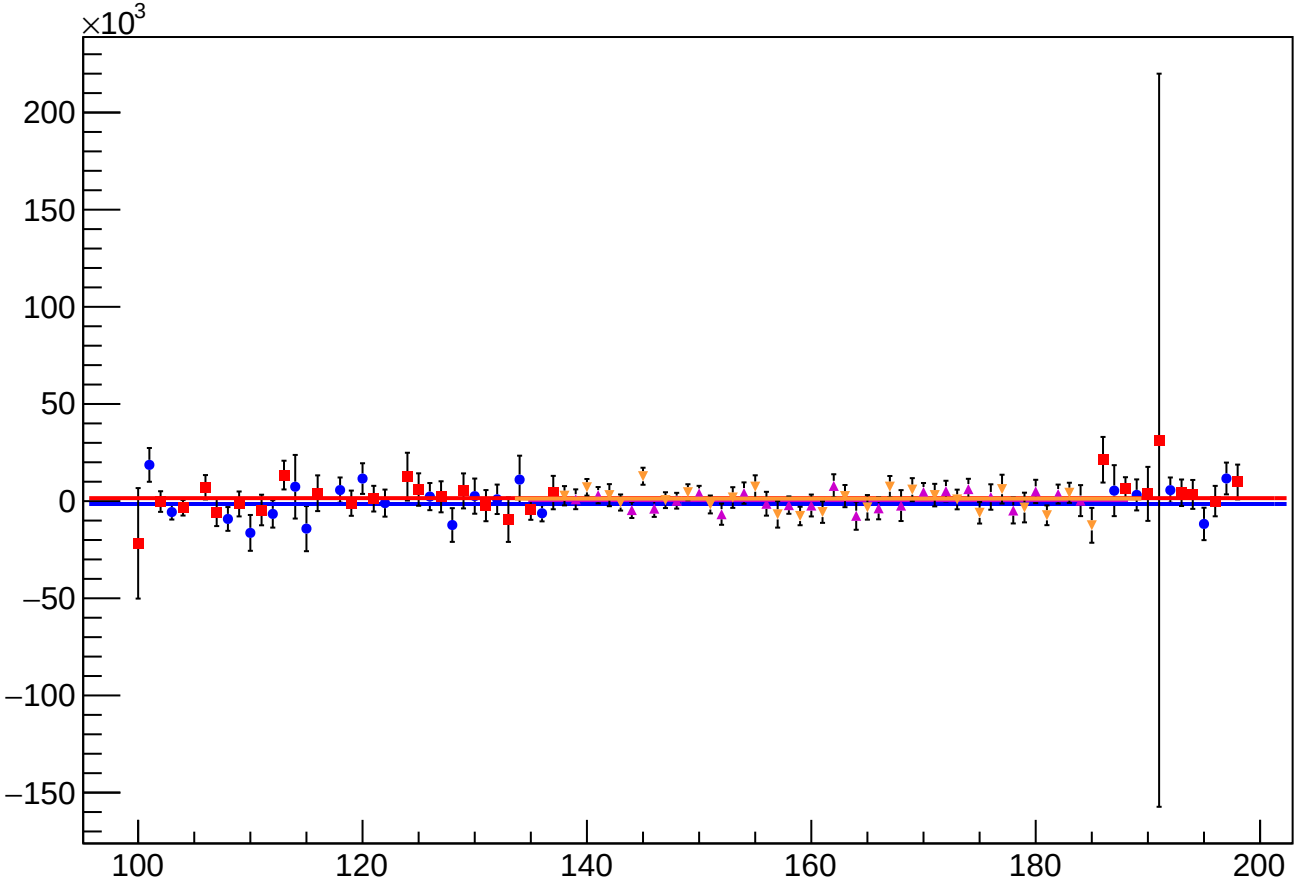
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4266.134+/-0.569 χ^2/NDF: 3078458.4/45

All: 4241.734+/-0.398 χ^2/NDF: 7349282.4/95

- sign 4218.412+/-0.556 χ^2/NDF: 4267224.4/49

asym_atr_dd_mean vs Slug



Right In: -1470.790+/-1556.856 χ^2/NDF: 27.1/20

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1537.479+/-1427.003 χ^2/NDF: 16.1/26

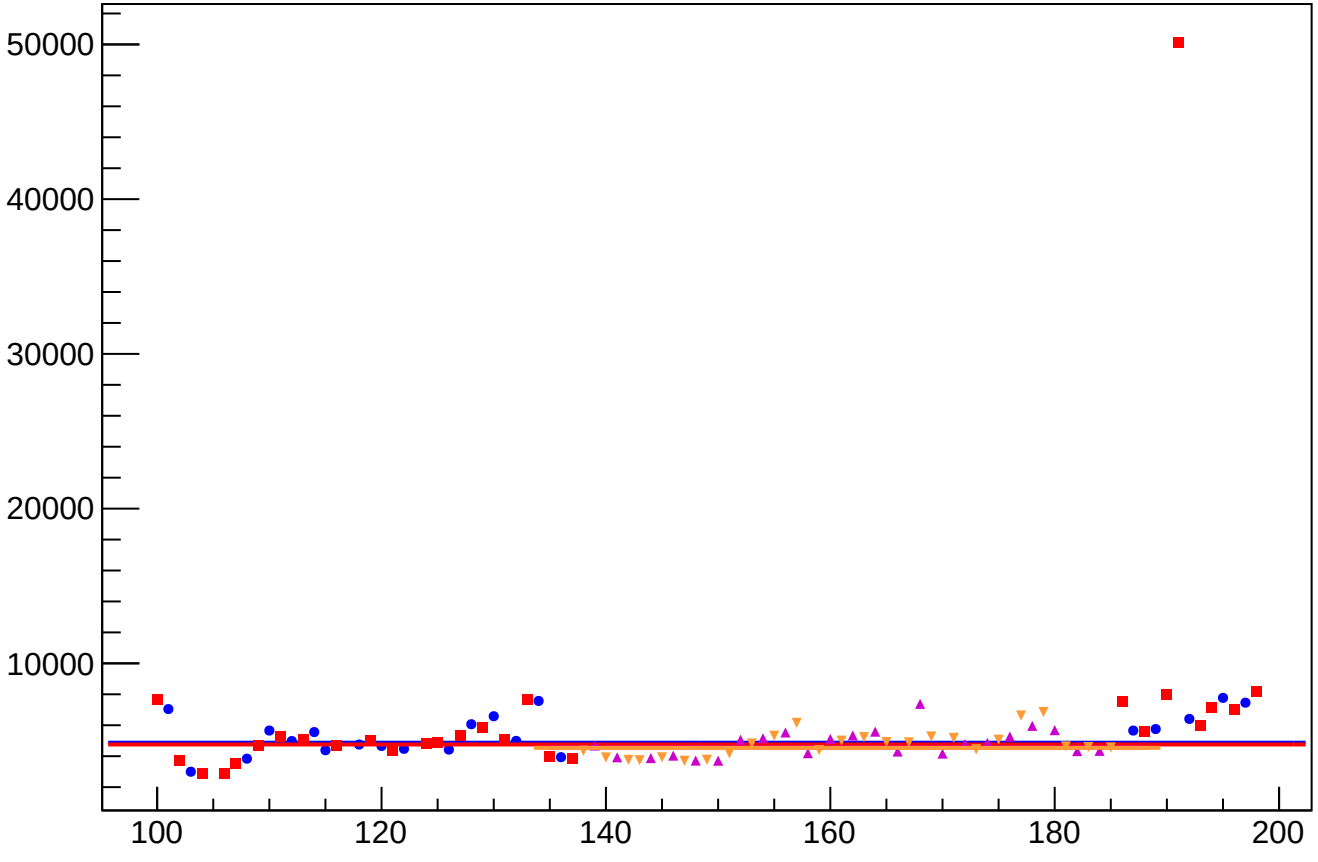
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 433.097+/-870.265 χ^2/NDF: 57.7/45

All: 682.494+/-612.515 χ^2/NDF: 88.7/95

- sign 927.317+/-862.246 χ^2/NDF: 30.8/49

asym_atr_dd_rms vs Slug



Right In: 4871.298+/-1.101 χ^2/NDF: 1584443.8/20

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

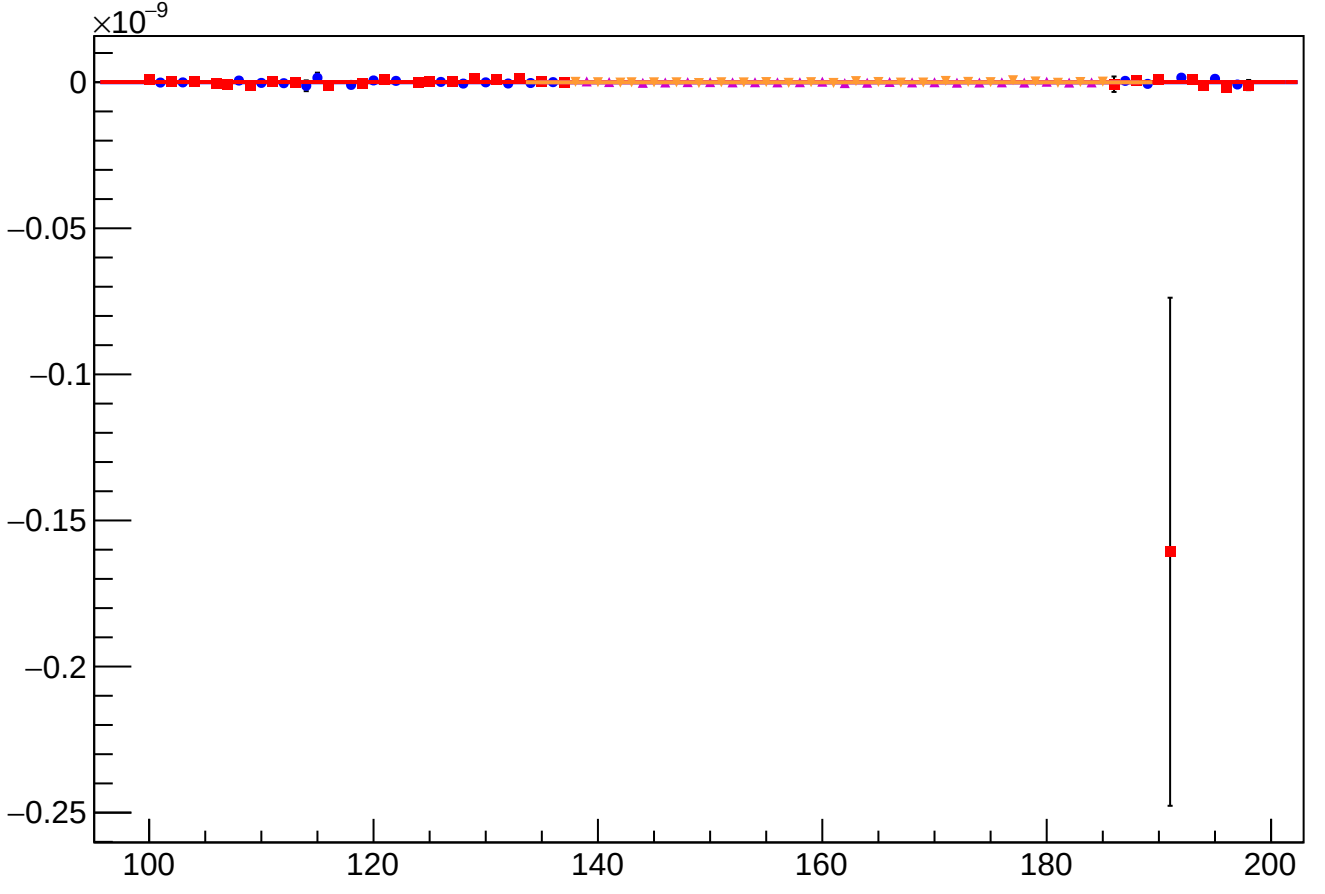
Right Out: 4757.089+/-1.003 χ^2/NDF: 2198668.1/26

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4642.100+/-0.615 χ^2/NDF: 2640396.0/45

All: 4637.425+/-0.433 χ^2/NDF: 5843671.8/95

- sign 4632.858+/-0.608 χ^2/NDF: 3203161.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

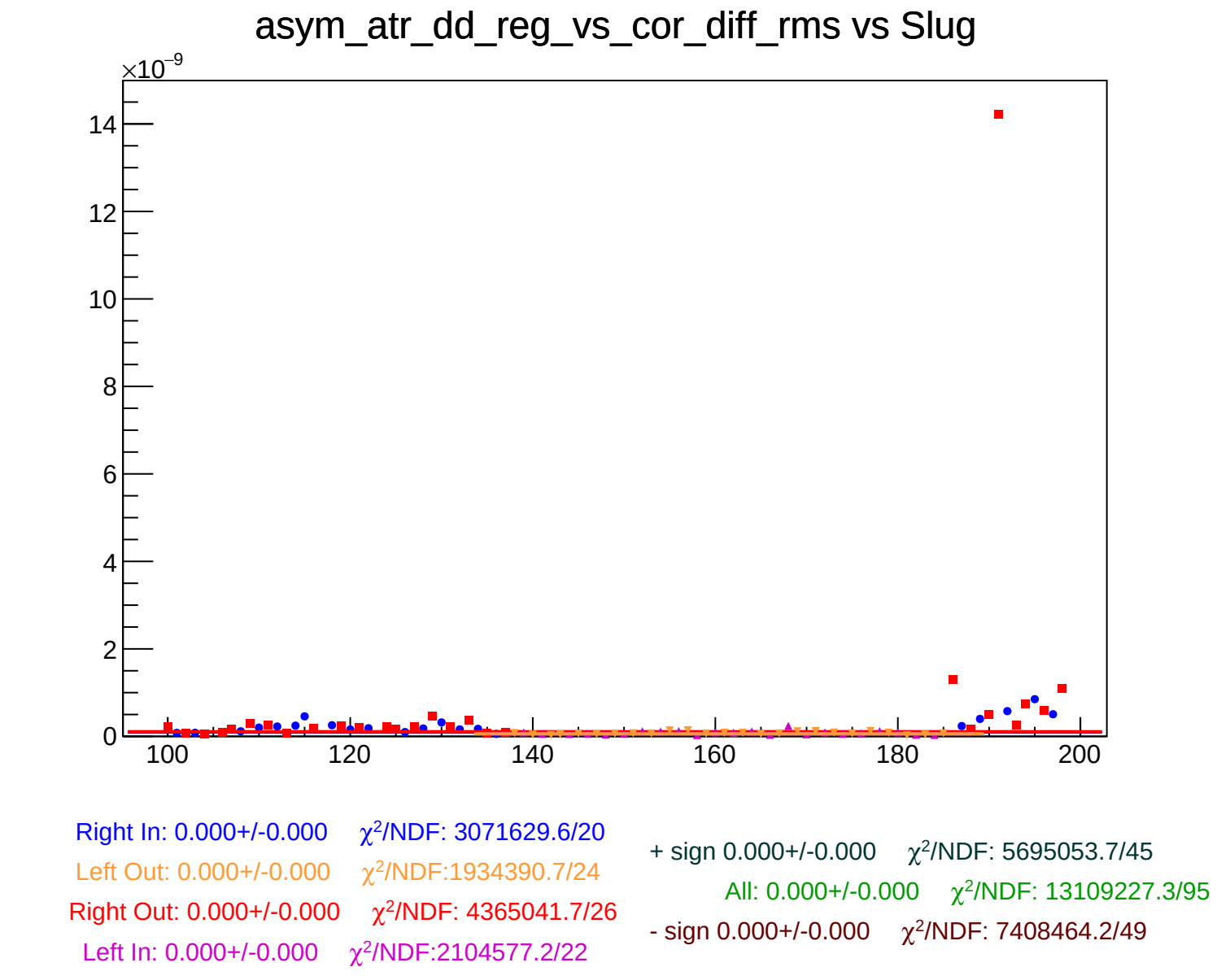
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/26

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

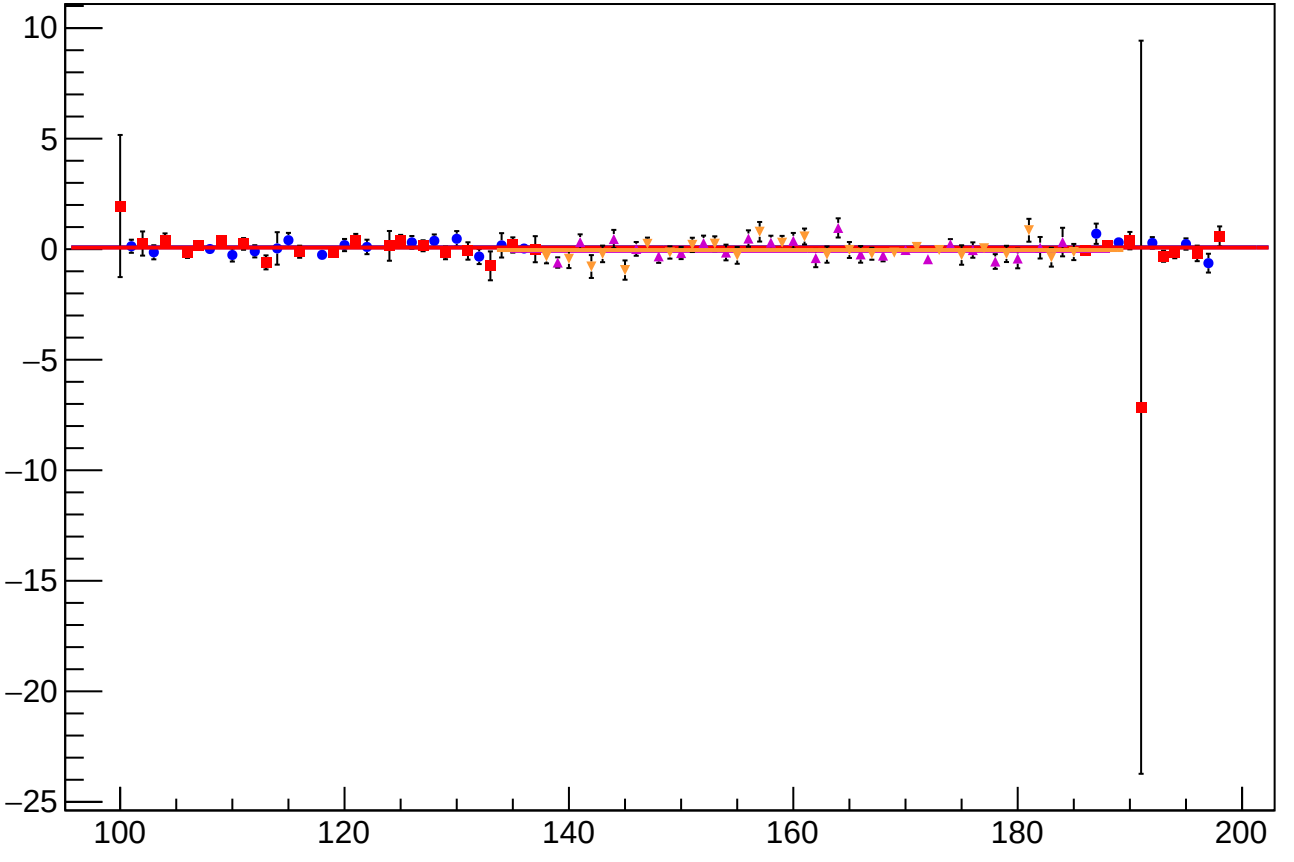
+ sign -0.000+/-0.000 χ^2/NDF: 55.9/45

All: -0.000+/-0.000 χ^2/NDF: 112.3/95

- sign -0.000+/-0.000 χ^2/NDF: 55.8/49


asym_atr_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3071629.6/20
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4365041.7/26
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5695053.7/45
All: 0.000+/-0.000 χ²/NDF: 13109227.3/95
- sign 0.000+/-0.000 χ²/NDF: 7408464.2/49

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.073+/-0.054 χ^2/NDF: 24.7/26

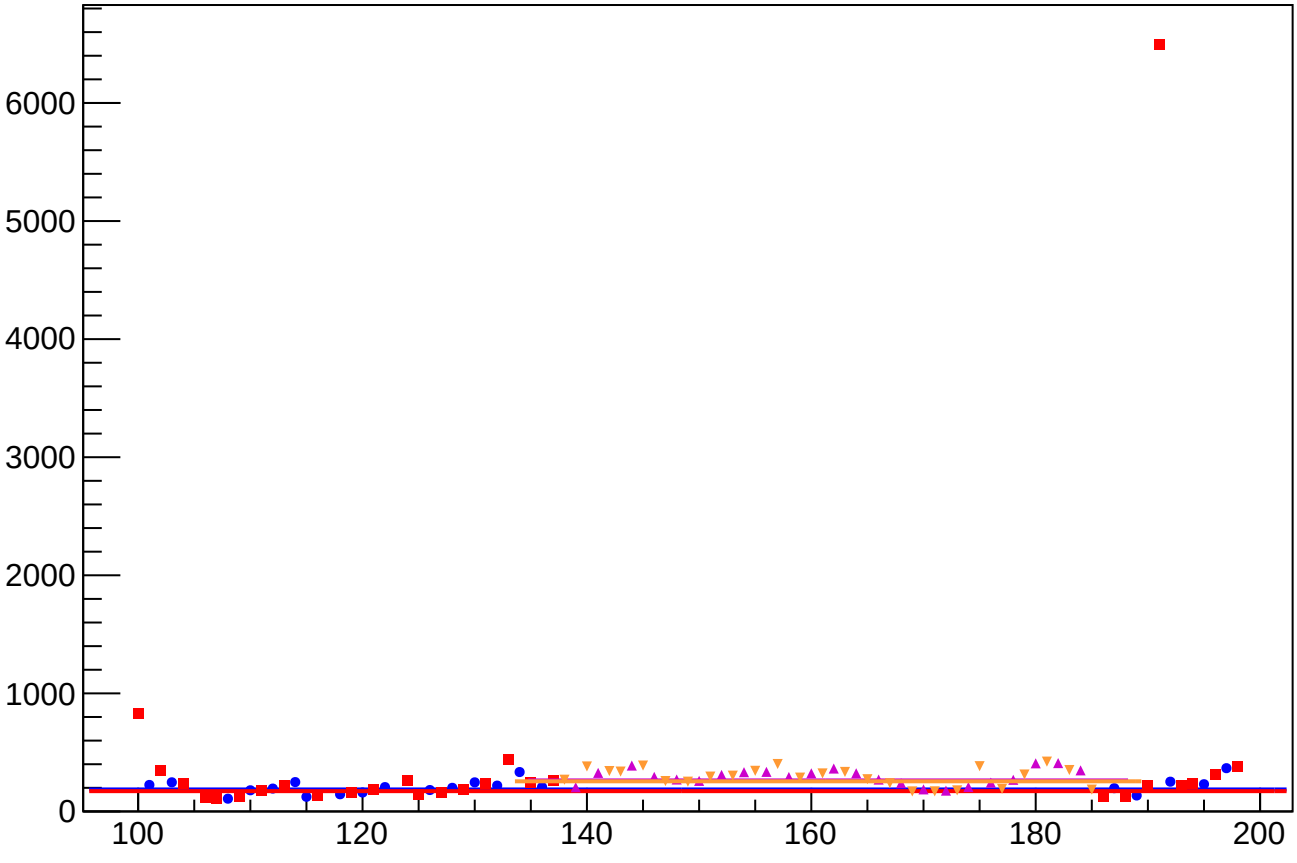
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.024+/-0.044 χ^2/NDF: 44.3/45

All: 0.018+/-0.030 χ^2/NDF: 103.4/95

- sign 0.012+/-0.041 χ^2/NDF: 59.0/49

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 186.423+/-0.043 χ^2/NDF: 1618945.7/20

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 171.965+/-0.038 χ^2/NDF: 2995043.0/26

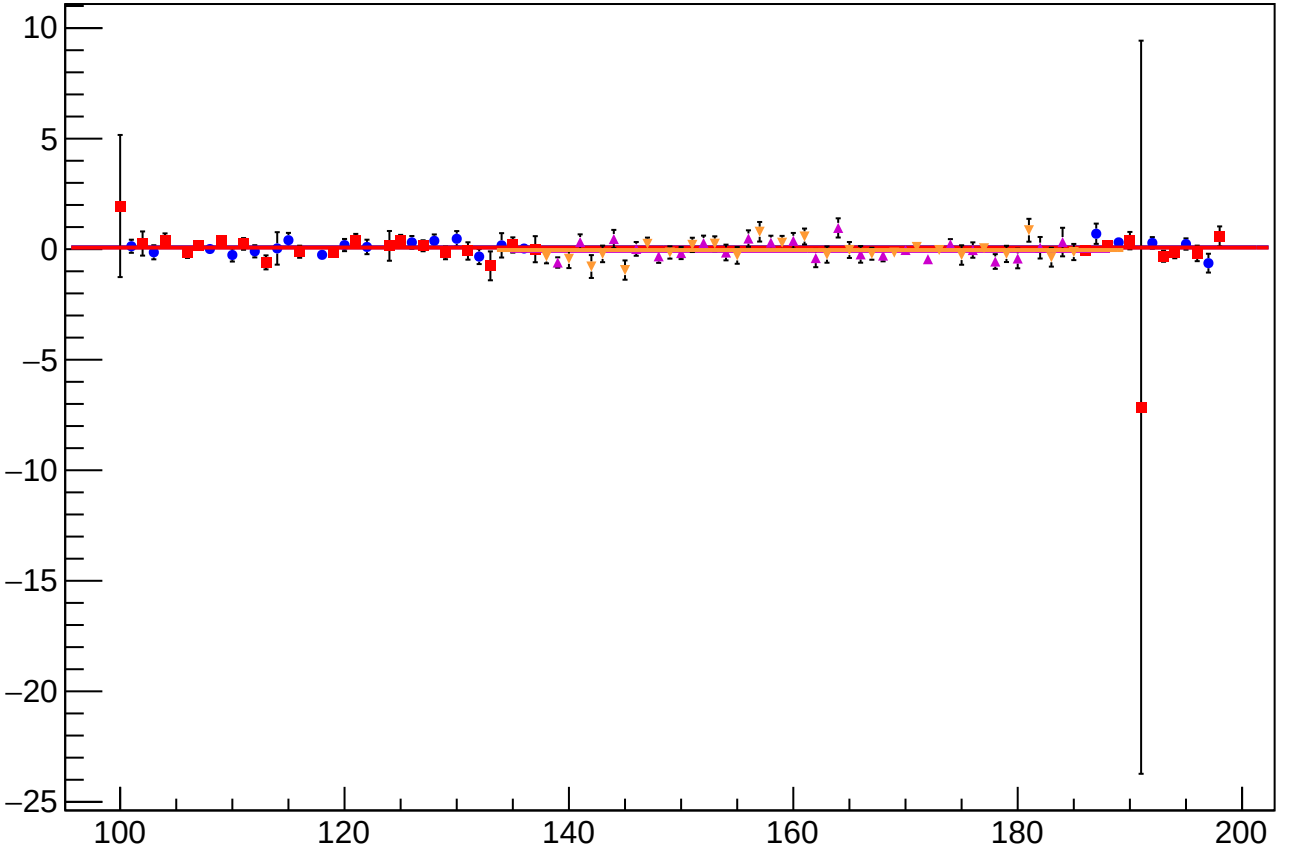
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 220.482+/-0.031 χ^2/NDF: 5808130.5/45

All: 214.395+/-0.021 χ^2/NDF: 13228156.7/95

- sign 208.896+/-0.029 χ^2/NDF: 7345585.7/49

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.073+/-0.054 χ^2/NDF: 24.7/26

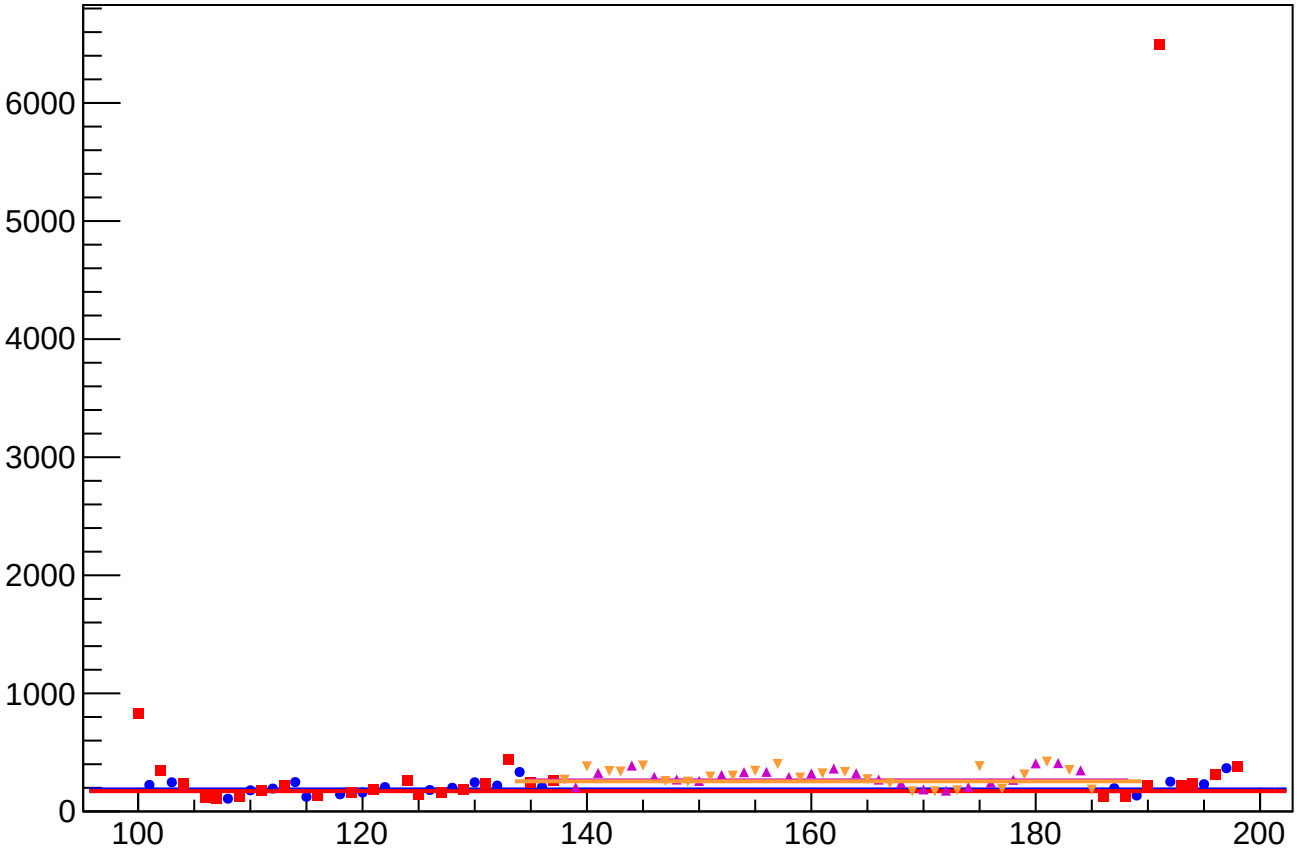
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.024+/-0.044 χ^2/NDF: 44.3/45

All: 0.018+/-0.030 χ^2/NDF: 103.4/95

- sign 0.012+/-0.041 χ^2/NDF: 59.0/49

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 186.423+/-0.043 χ^2/NDF: 1618945.7/20

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

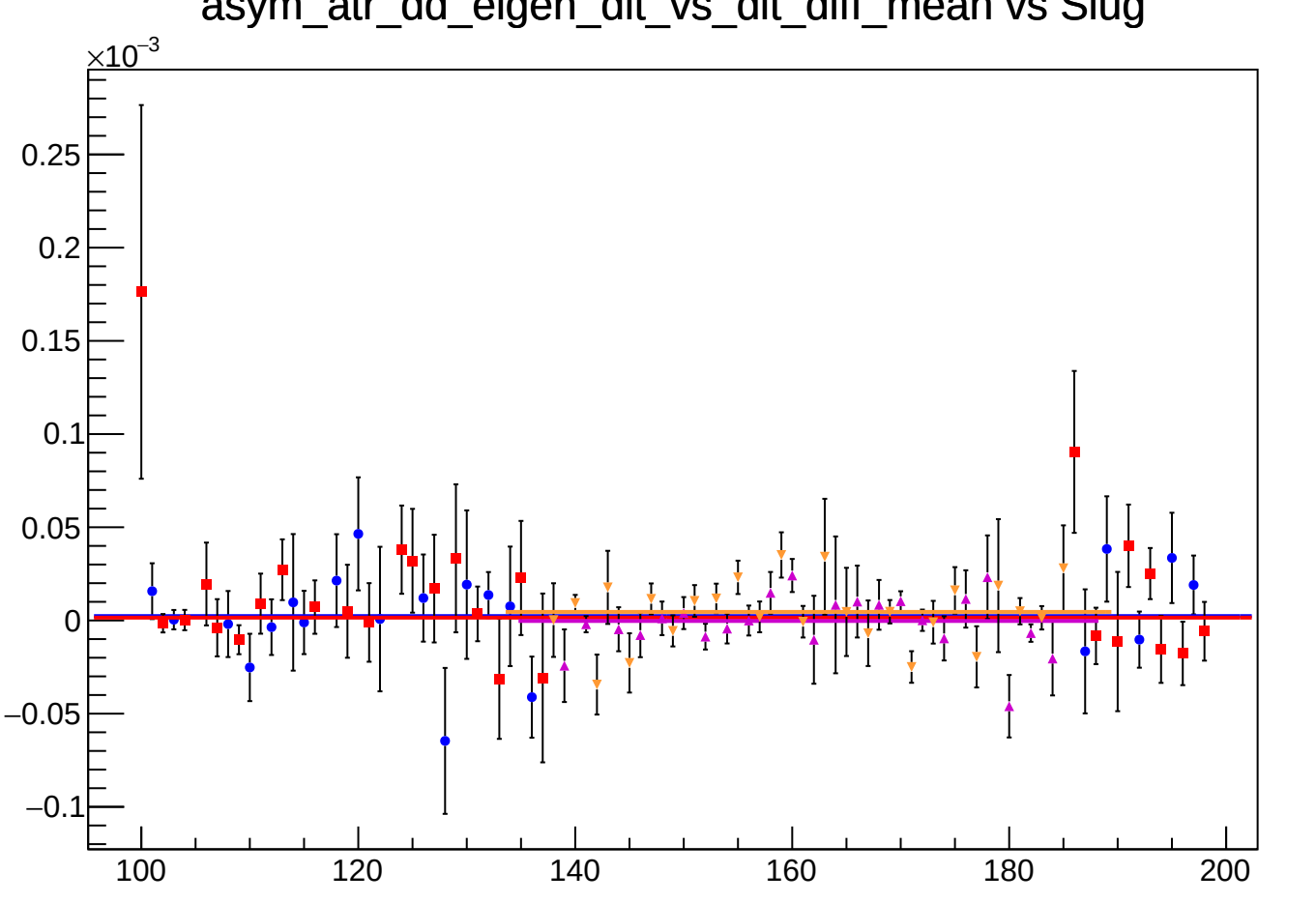
Right Out: 171.965+/-0.038 χ^2/NDF: 2995043.0/26

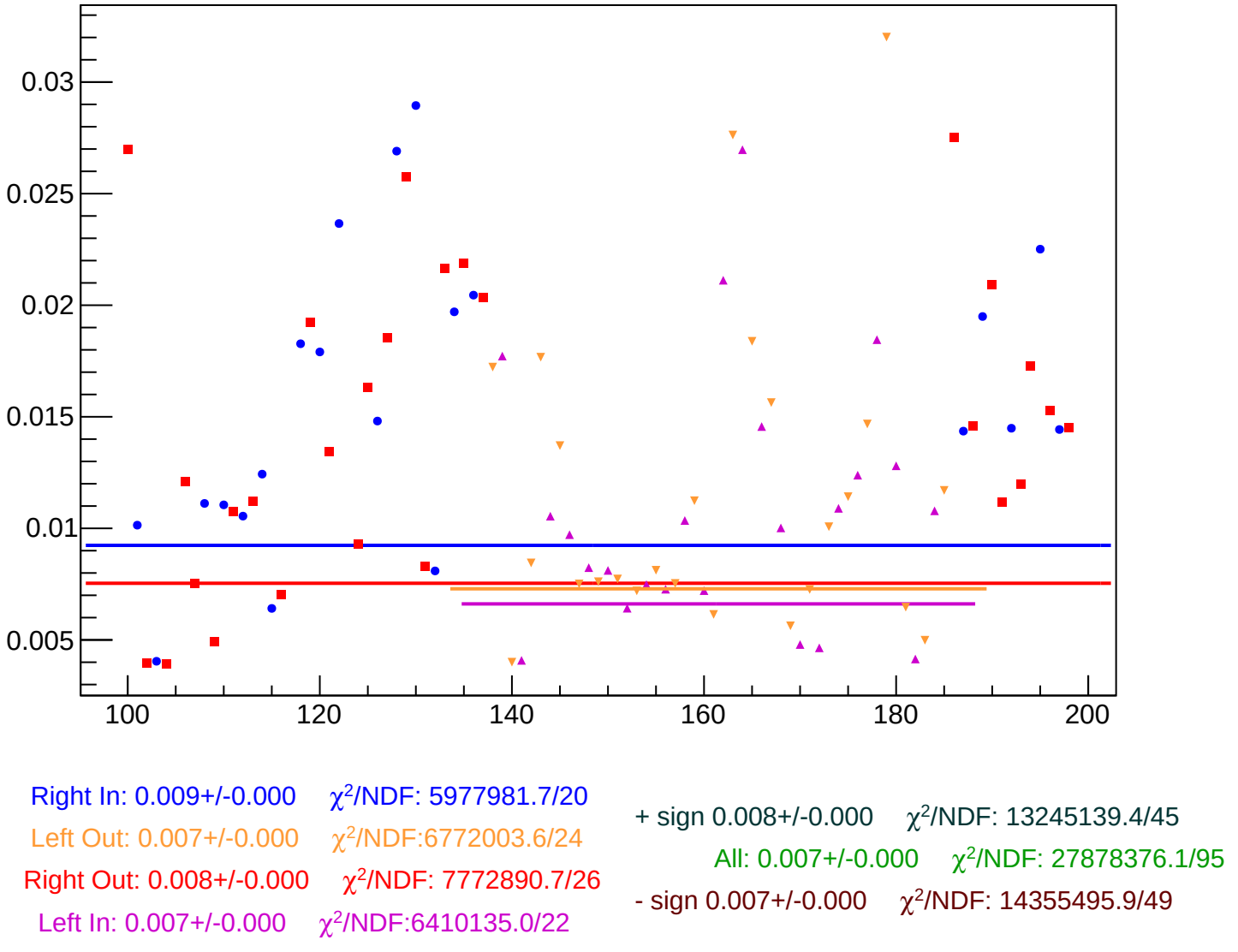
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 220.482+/-0.031 χ^2/NDF: 5808130.5/45

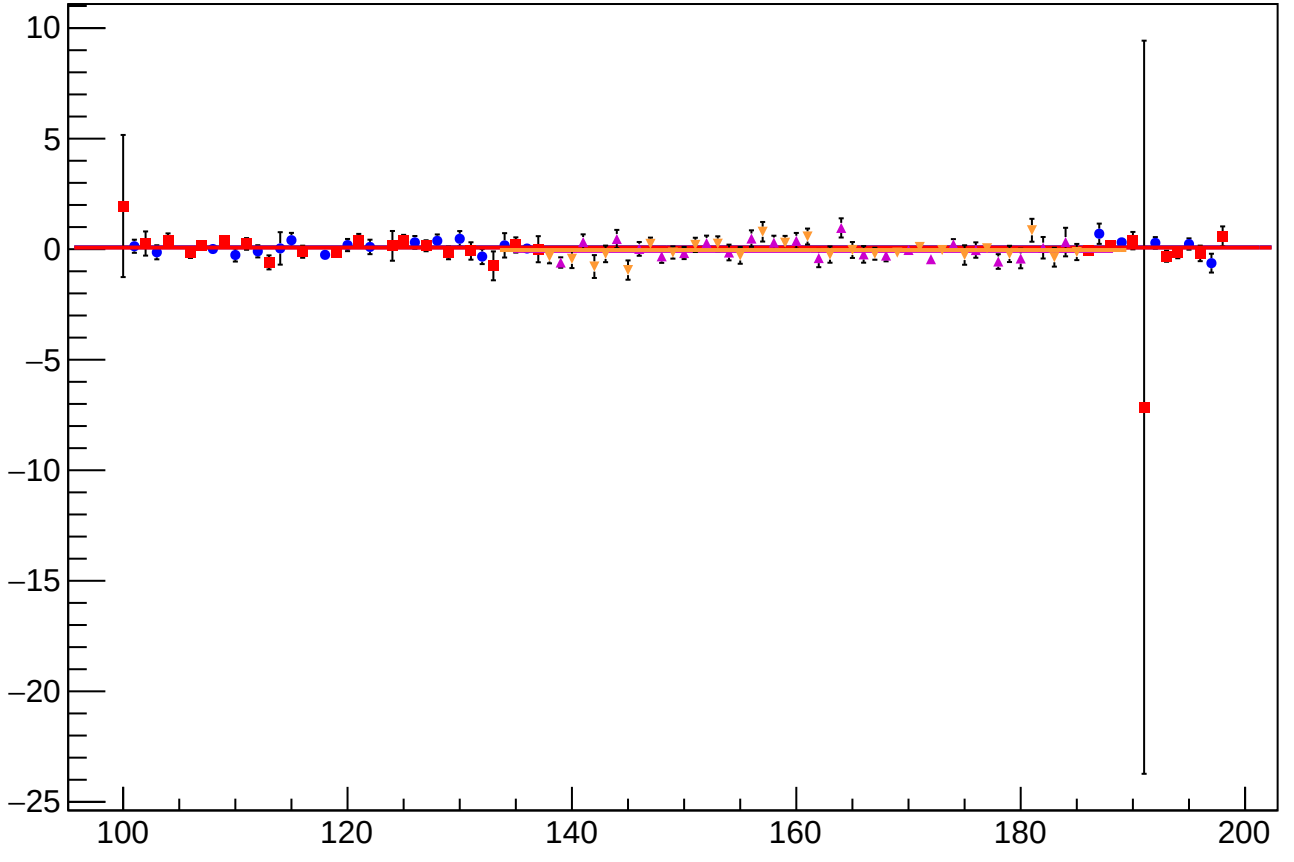
All: 214.395+/-0.021 χ^2/NDF: 13228156.7/95

- sign 208.896+/-0.029 χ^2/NDF: 7345585.7/49


asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.8/20
Left Out: 0.000+/-0.000 χ²/NDF:43.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.1/26
Left In: -0.000+/-0.000 χ²/NDF:31.2/22
+ sign 0.000+/-0.000 χ²/NDF: 63.5/45
All: 0.000+/-0.000 χ²/NDF: 127.1/95
- sign 0.000+/-0.000 χ²/NDF: 60.7/49


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 5977981.7/20
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 7772890.7/26
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.008+/-0.000 χ²/NDF: 13245139.4/45
All: 0.007+/-0.000 χ²/NDF: 27878376.1/95
- sign 0.007+/-0.000 χ²/NDF: 14355495.9/49

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.073+/-0.054 χ^2/NDF: 24.7/26

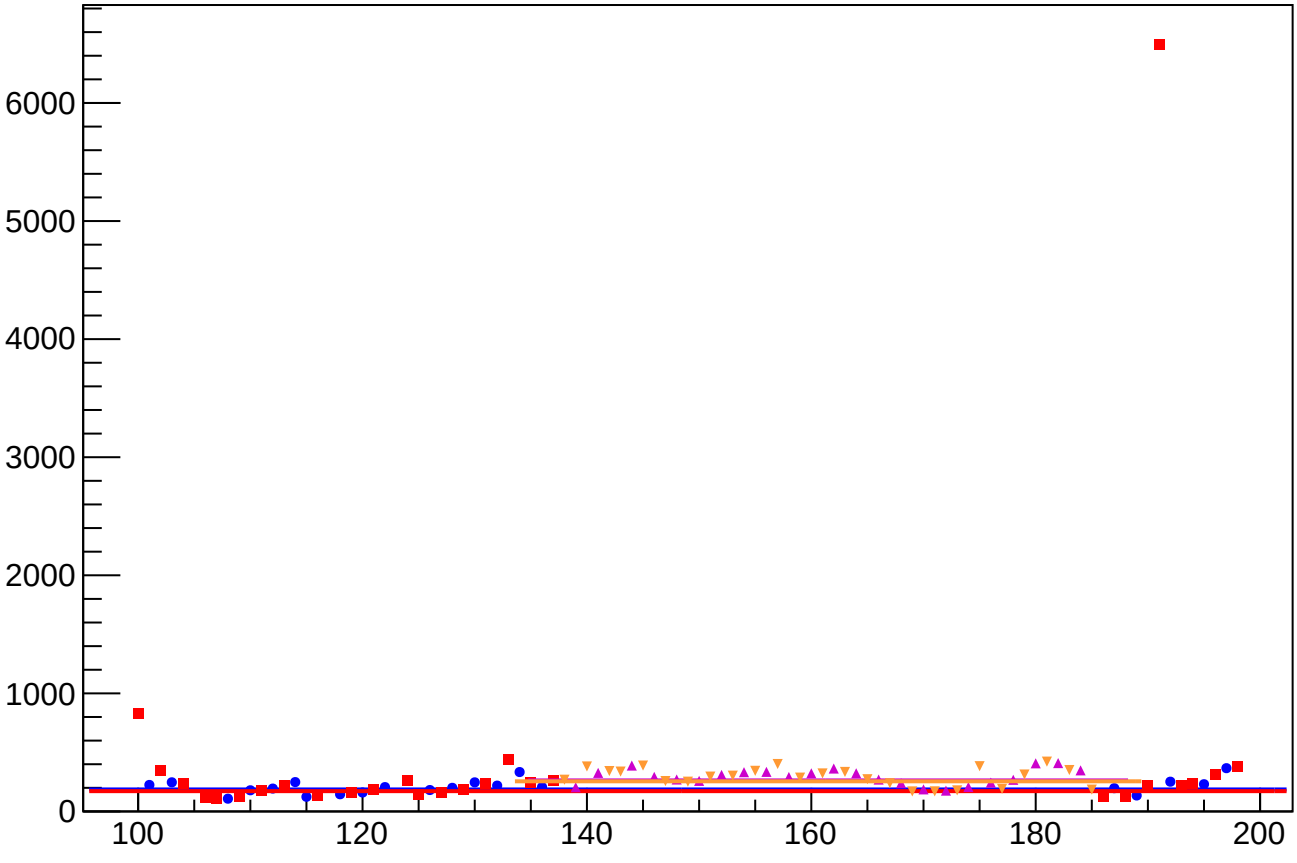
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.024+/-0.044 χ^2/NDF: 44.3/45

All: 0.018+/-0.030 χ^2/NDF: 103.4/95

- sign 0.012+/-0.041 χ^2/NDF: 59.0/49

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 186.423+/-0.043 χ^2/NDF: 1618935.3/20

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

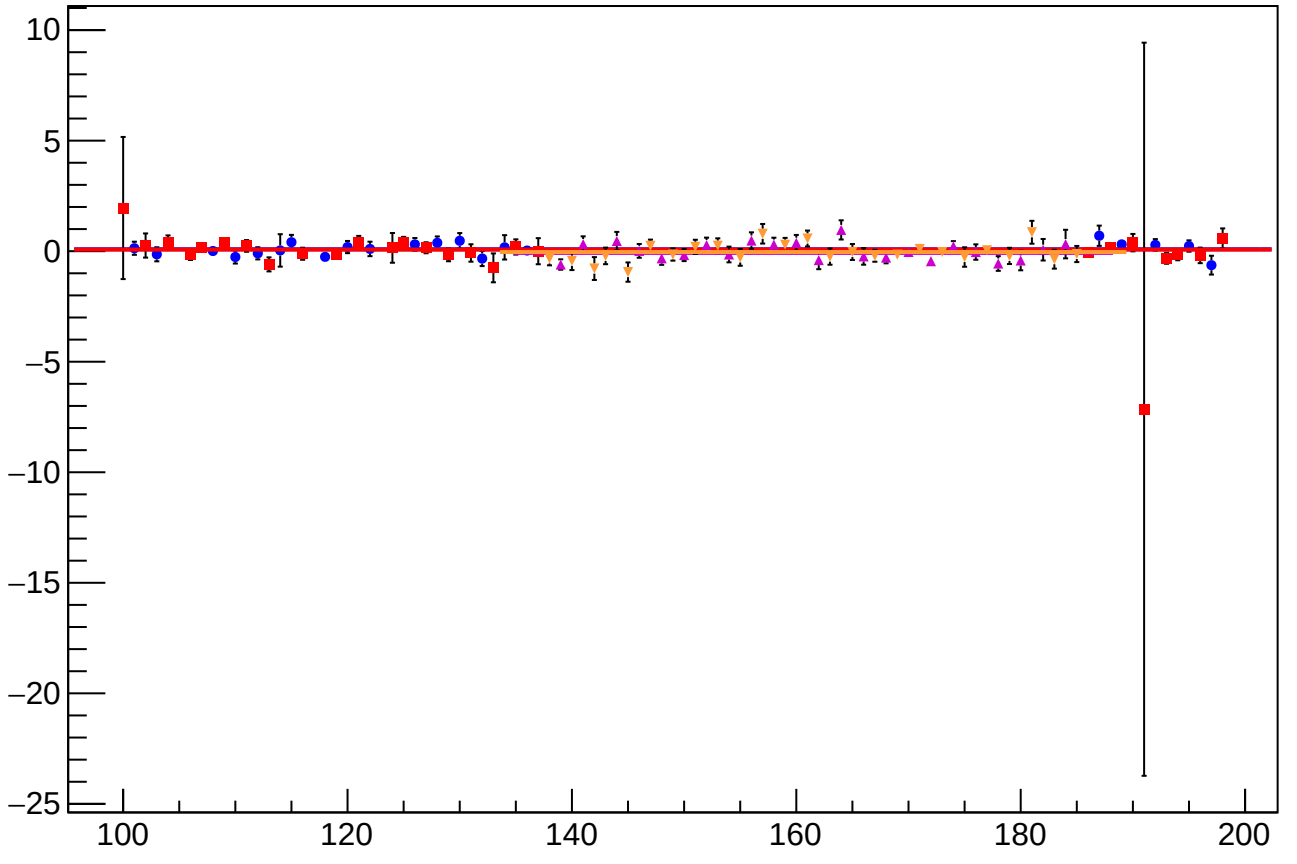
Right Out: 171.966+/-0.038 χ^2/NDF: 2994981.7/26

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 220.482+/-0.031 χ^2/NDF: 5808297.8/45

All: 214.396+/-0.021 χ^2/NDF: 13228305.9/95

- sign 208.897+/-0.029 χ^2/NDF: 7345584.3/49



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

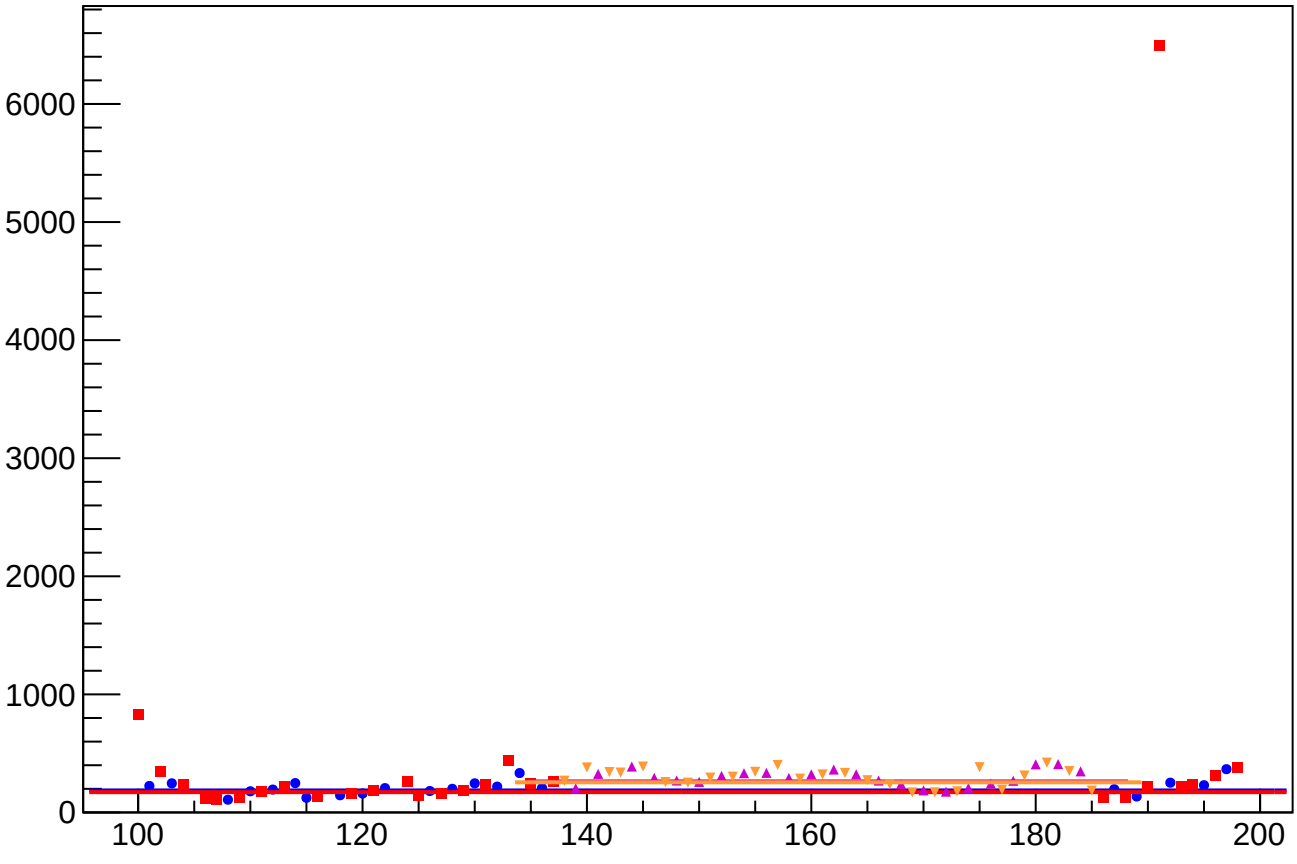
Right Out: 0.073+/-0.054 χ^2/NDF: 24.7/26

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.024+/-0.044 χ^2/NDF: 44.3/45

All: 0.018+/-0.030 χ^2/NDF: 103.4/95

- sign 0.012+/-0.041 χ^2/NDF: 59.0/49



Right In: 186.423+/-0.043 χ^2/NDF: 1618935.3/20

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

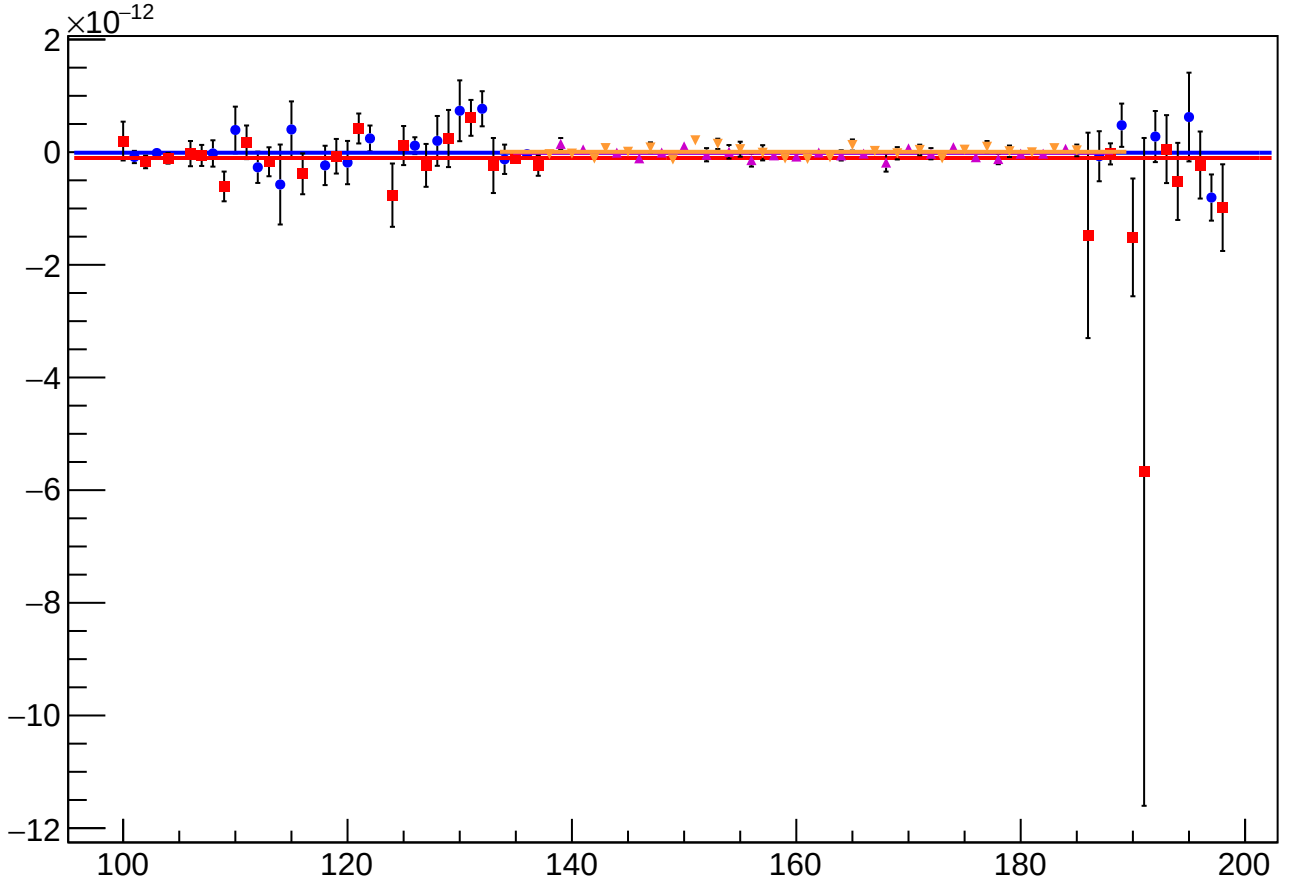
Right Out: 171.966+/-0.038 χ^2/NDF: 2994981.7/26

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 220.482+/-0.031 χ^2/NDF: 5808297.8/45

All: 214.396+/-0.021 χ^2/NDF: 13228305.9/95

- sign 208.897+/-0.029 χ^2/NDF: 7345584.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/26

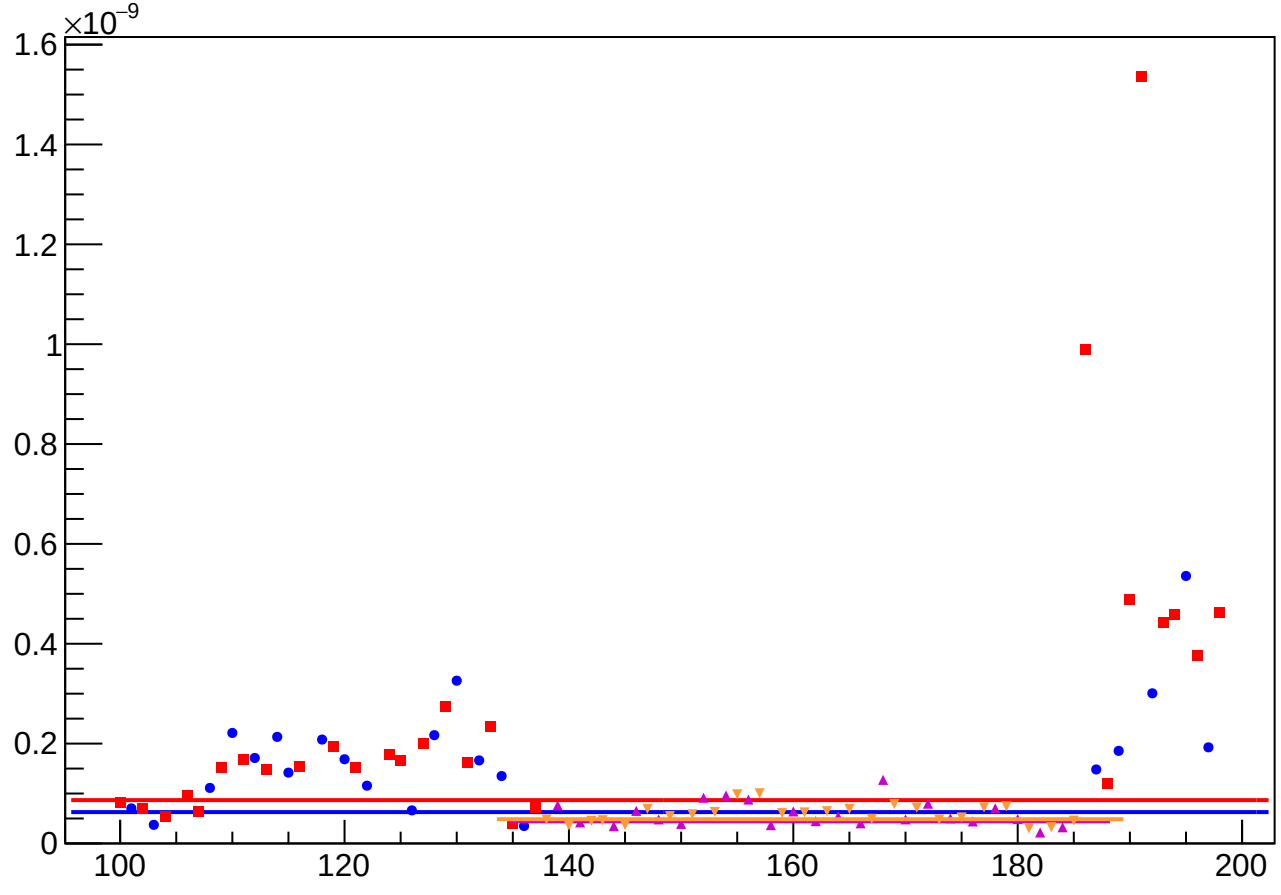
Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.2/45

All: -0.000+/-0.000 χ^2/NDF: 103.4/95

- sign -0.000+/-0.000 χ^2/NDF: 49.7/49

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5111709.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6020327.7/26

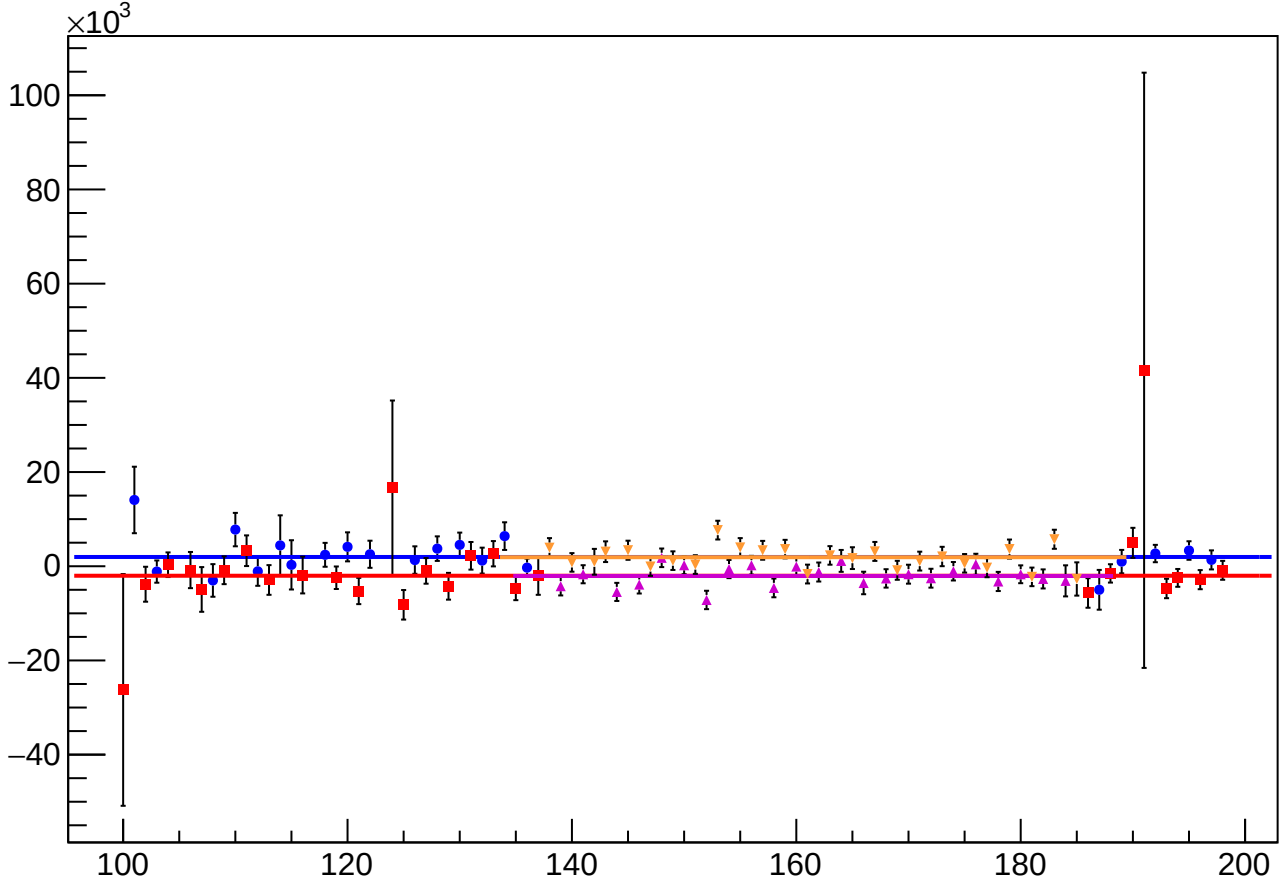
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7893616.5/45

All: 0.000+/-0.000 χ^2/NDF: 19523796.1/95

- sign 0.000+/-0.000 χ^2/NDF: 11606772.0/49

reg_asym_at1_avg_mean vs Slug



Right In: 1967.371+/-591.271 χ^2/NDF: 20.1/20

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2015.377+/-549.601 χ^2/NDF: 27.5/26

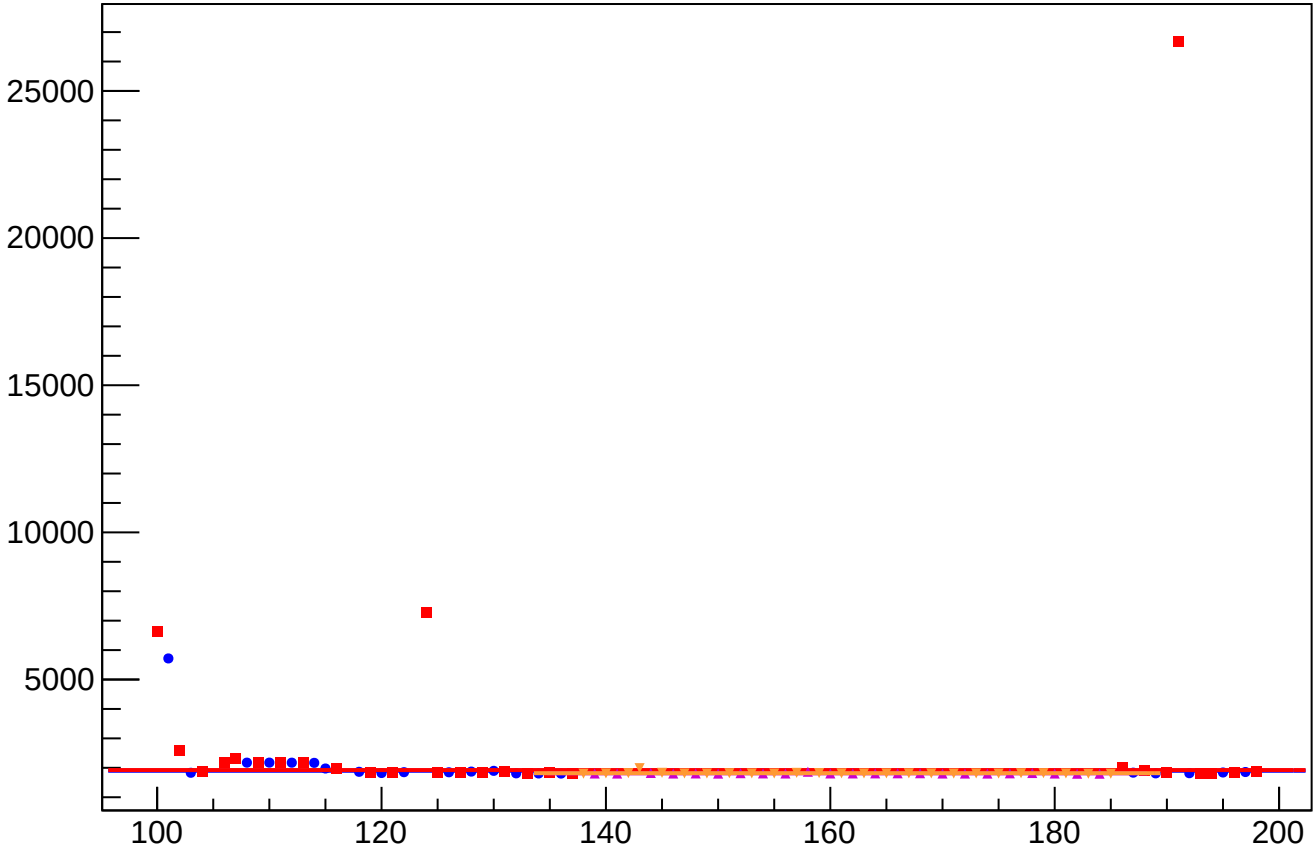
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1935.948+/-338.535 χ^2/NDF: 52.6/45

All: -77.249+/-238.233 χ^2/NDF: 176.7/95

- sign -2052.308+/-335.313 χ^2/NDF: 54.1/49

reg_asym_at1_avg_rms vs Slug



Right In: 1900.223+/-0.418 χ^2/NDF: 652959.2/20

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1923.598+/-0.389 χ^2/NDF: 717804.0/26

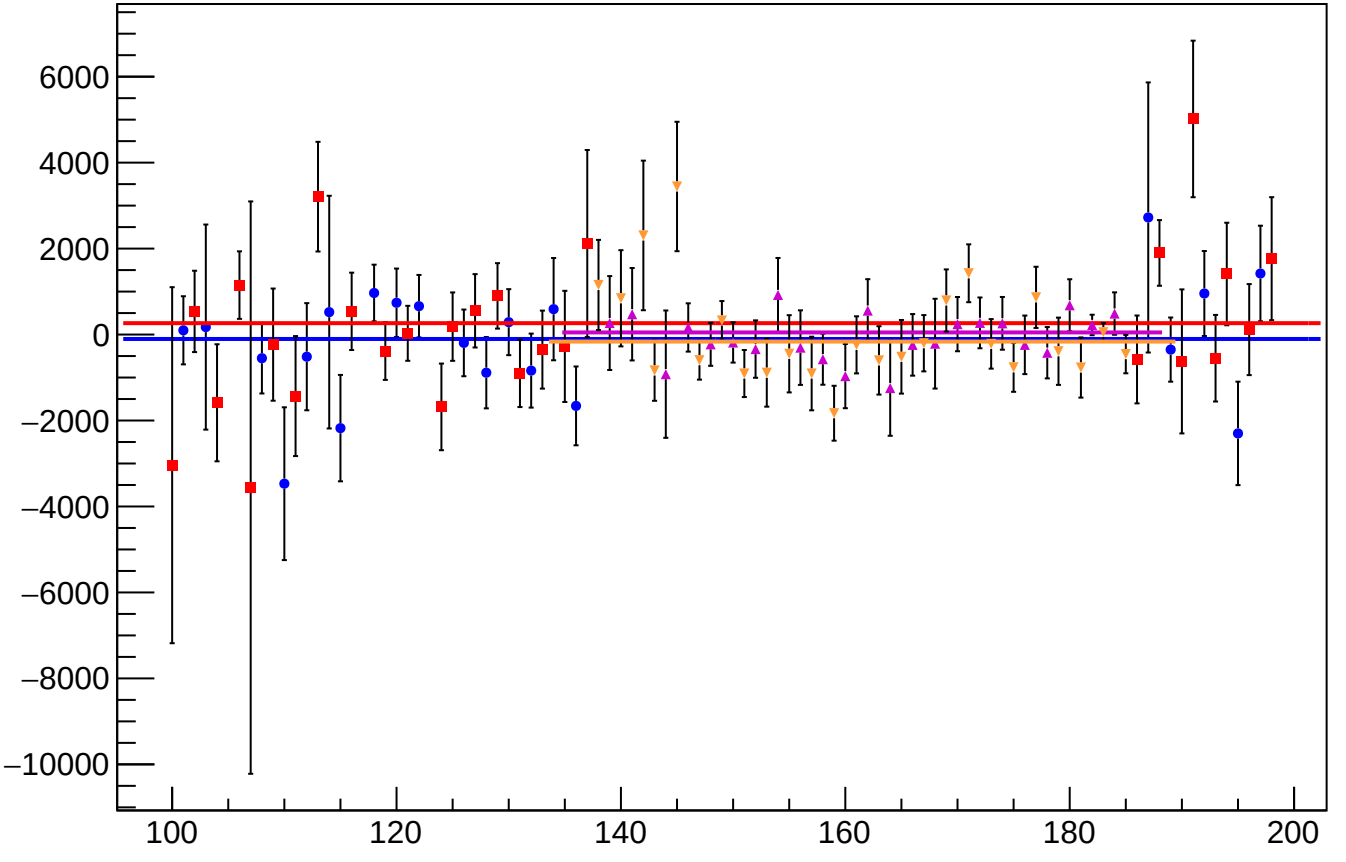
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.634+/-0.239 χ^2/NDF: 692213.6/45

All: 1849.302+/-0.168 χ^2/NDF: 1464046.2/95

- sign 1853.882+/-0.237 χ^2/NDF: 771079.4/49

asym_at1_avg_reg_correction_mean vs Slug



Right In: -102.687+/-207.388 χ^2/NDF: 24.2/20

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 265.060+/-193.584 χ^2/NDF: 35.5/26

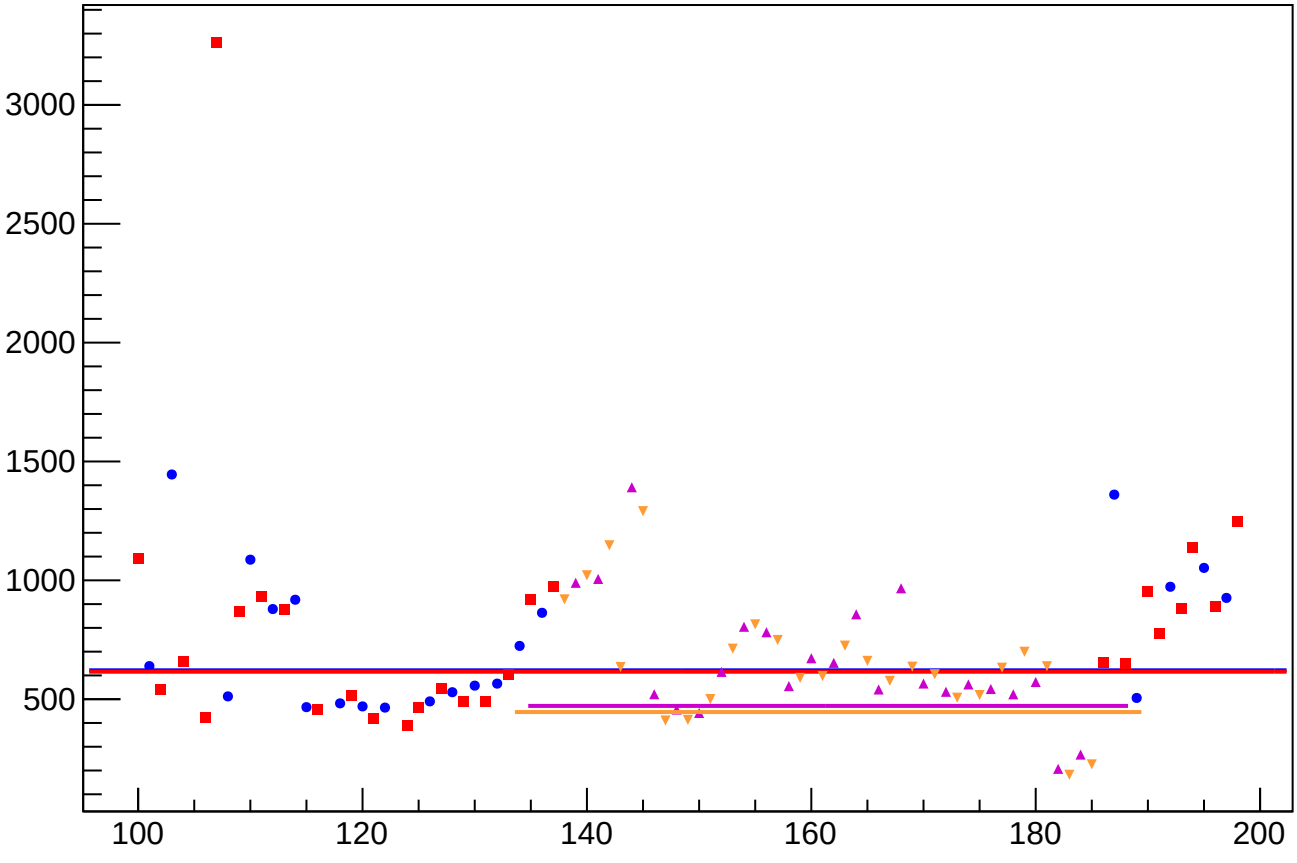
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -148.757+/-100.770 χ^2/NDF: 61.1/45

All: -22.453+/-72.245 χ^2/NDF: 112.0/95

- sign 111.124+/-103.631 χ^2/NDF: 47.7/49

asym_at1_avg_reg_correction_rms vs Slug



Right In: 621.473+/-0.147 χ^2/NDF: 1884527.7/20

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

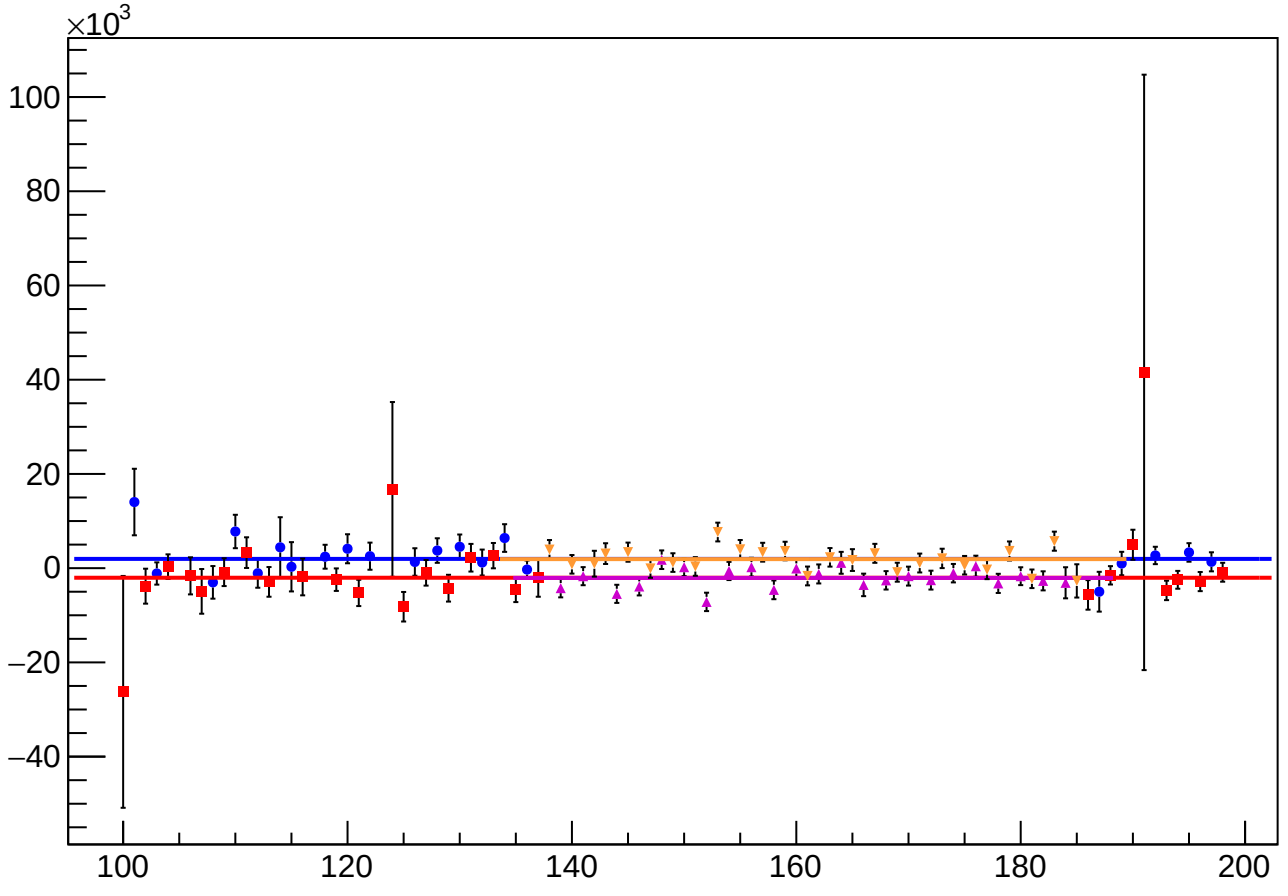
Right Out: 615.601+/-0.137 χ^2/NDF: 2636527.8/26

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 487.347+/-0.071 χ^2/NDF: 10962083.6/45

All: 499.801+/-0.051 χ^2/NDF: 20863303.4/95

- sign 512.971+/-0.073 χ^2/NDF: 9838372.6/49



Right In: 1967.183+/-591.271 χ^2/NDF: 20.1/20

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2032.727+/-549.870 χ^2/NDF: 27.4/26

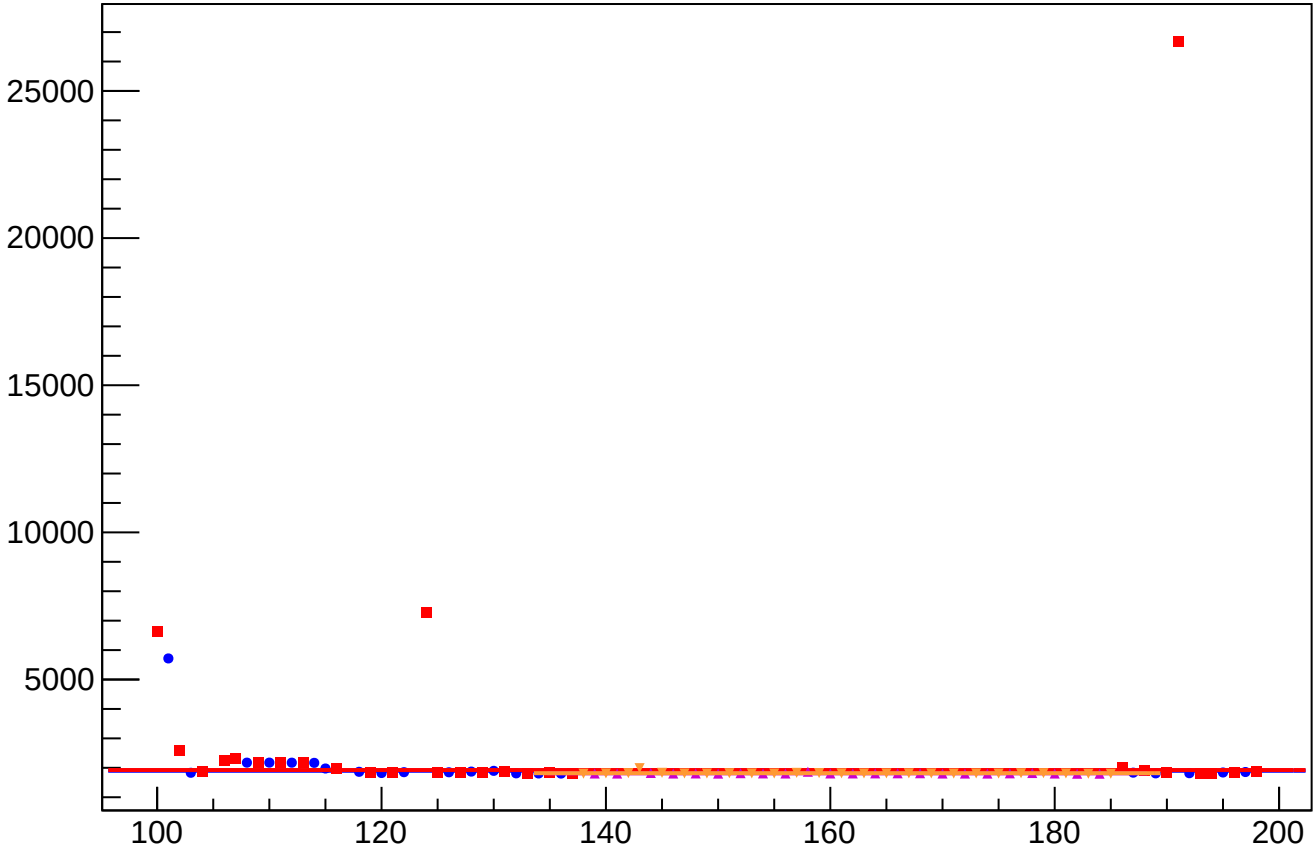
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1935.863+/-338.535 χ^2/NDF: 52.6/45

All: -80.224+/-238.255 χ^2/NDF: 176.8/95

- sign -2058.839+/-335.374 χ^2/NDF: 54.0/49

cor_asym_at1_avg_rms vs Slug



Right In: 1900.223+/-0.418 χ^2/NDF: 652959.2/20

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1924.325+/-0.389 χ^2/NDF: 721190.0/26

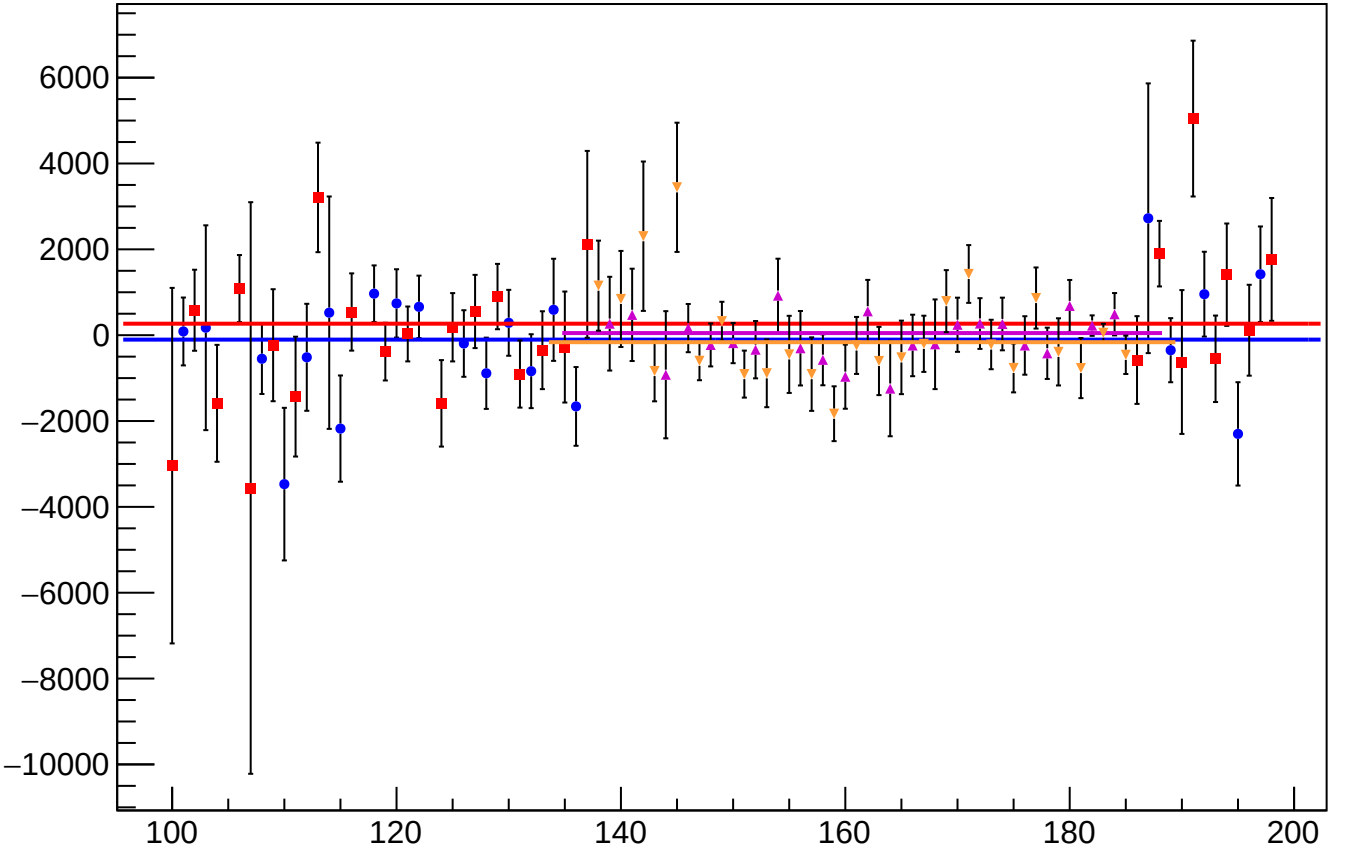
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.634+/-0.239 χ^2/NDF: 692213.5/45

All: 1849.425+/-0.168 χ^2/NDF: 1468114.1/95

- sign 1854.127+/-0.237 χ^2/NDF: 775107.1/49

asym_at1_avg_cor_correction_mean vs Slug



Right In: -103.360+/-207.352 χ^2/NDF: 24.2/20

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 267.634+/-193.485 χ^2/NDF: 35.1/26

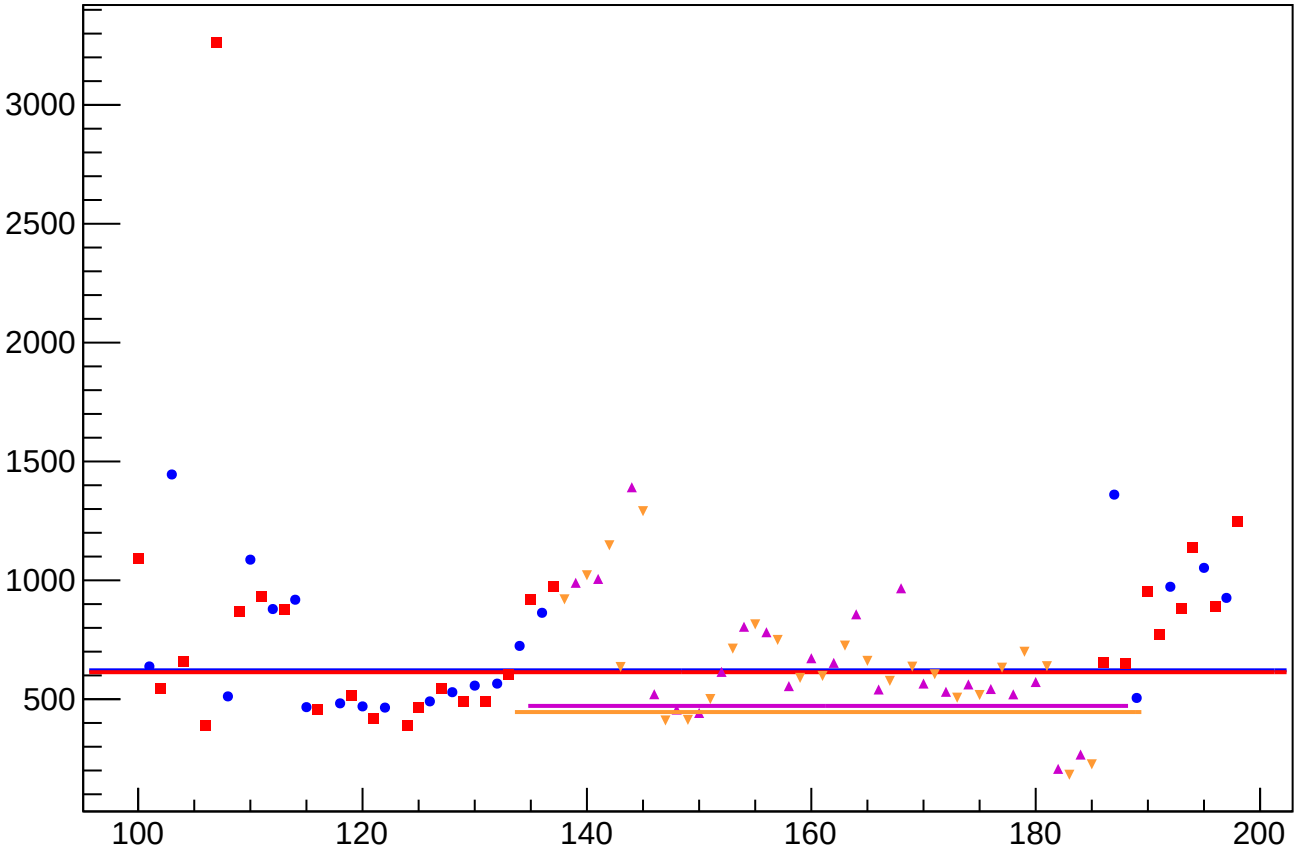
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -148.848+/-100.763 χ^2/NDF: 61.1/45

All: -22.103+/-72.238 χ^2/NDF: 111.7/95

- sign 111.923+/-103.617 χ^2/NDF: 47.4/49

asym_at1_avg_cor_correction_rms vs Slug



Right In: 621.386+/-0.147 χ^2/NDF: 1884448.9/20

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 613.543+/-0.137 χ^2/NDF: 2682587.4/26

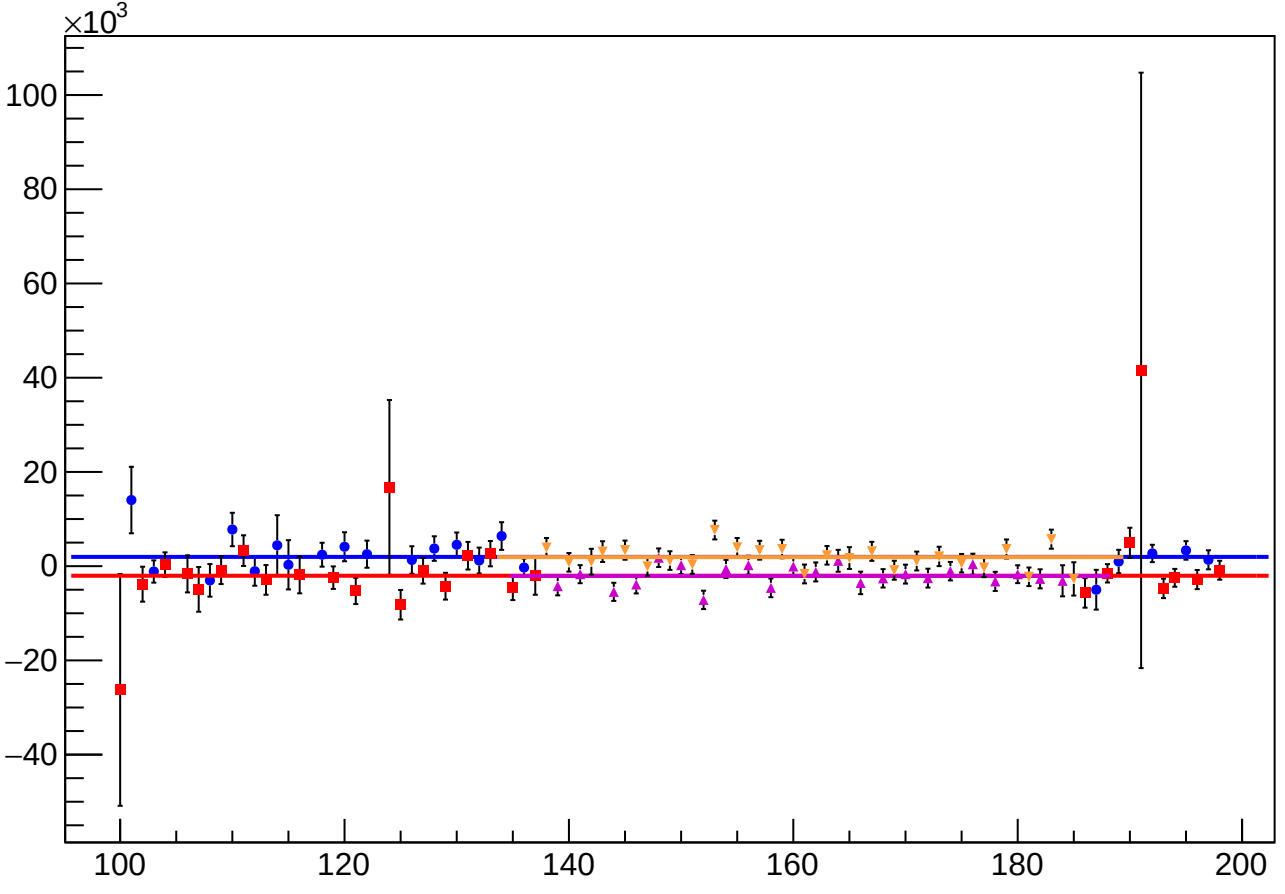
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 487.315+/-0.071 χ^2/NDF: 10962950.5/45

All: 499.517+/-0.051 χ^2/NDF: 20885540.0/95

- sign 512.420+/-0.073 χ^2/NDF: 9862249.6/49

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1967.183+/-591.271 χ^2/NDF: 20.1/20

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2032.727+/-549.870 χ^2/NDF: 27.4/26

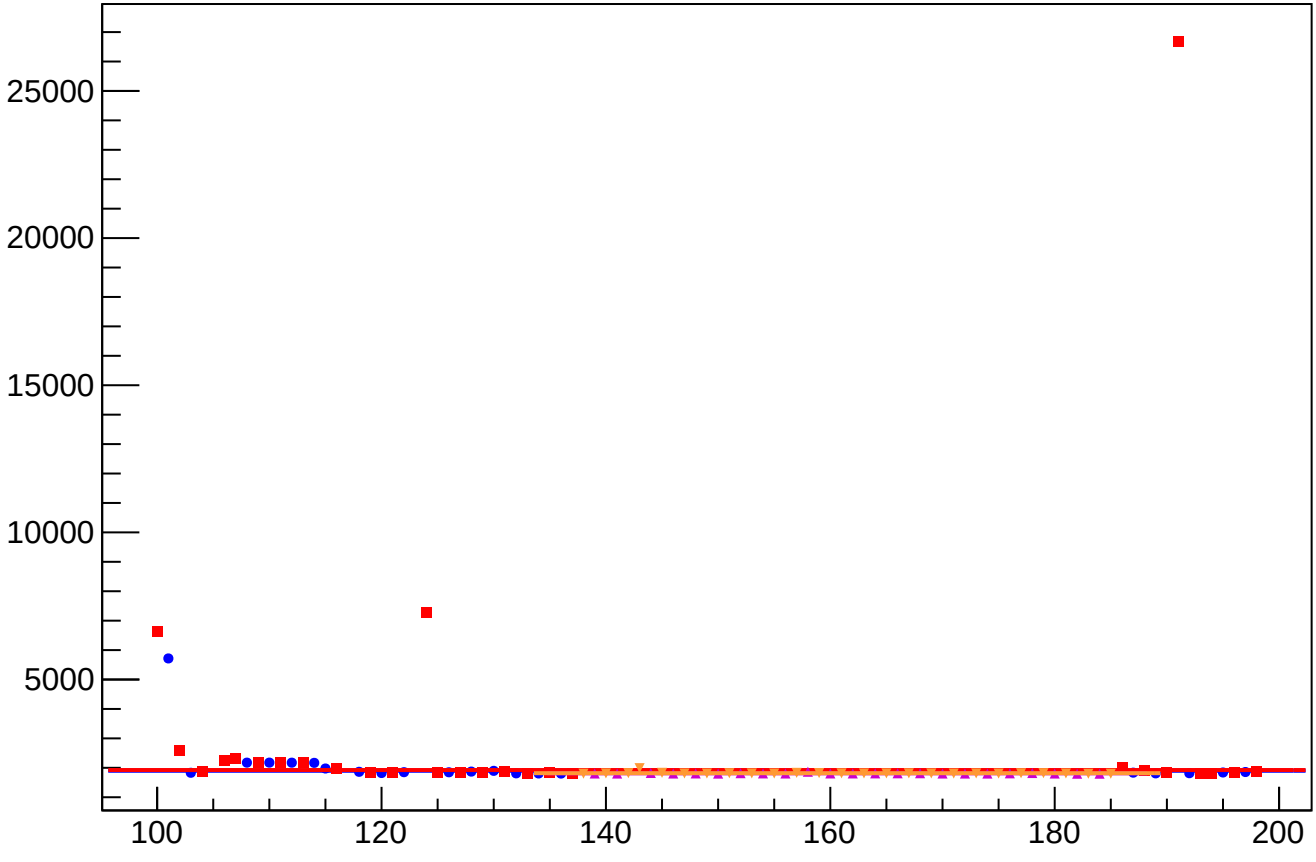
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1935.863+/-338.535 χ^2/NDF: 52.6/45

All: -80.224+/-238.255 χ^2/NDF: 176.8/95

- sign -2058.839+/-335.374 χ^2/NDF: 54.0/49

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1900.223+/-0.418 χ^2/NDF: 652959.2/20

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

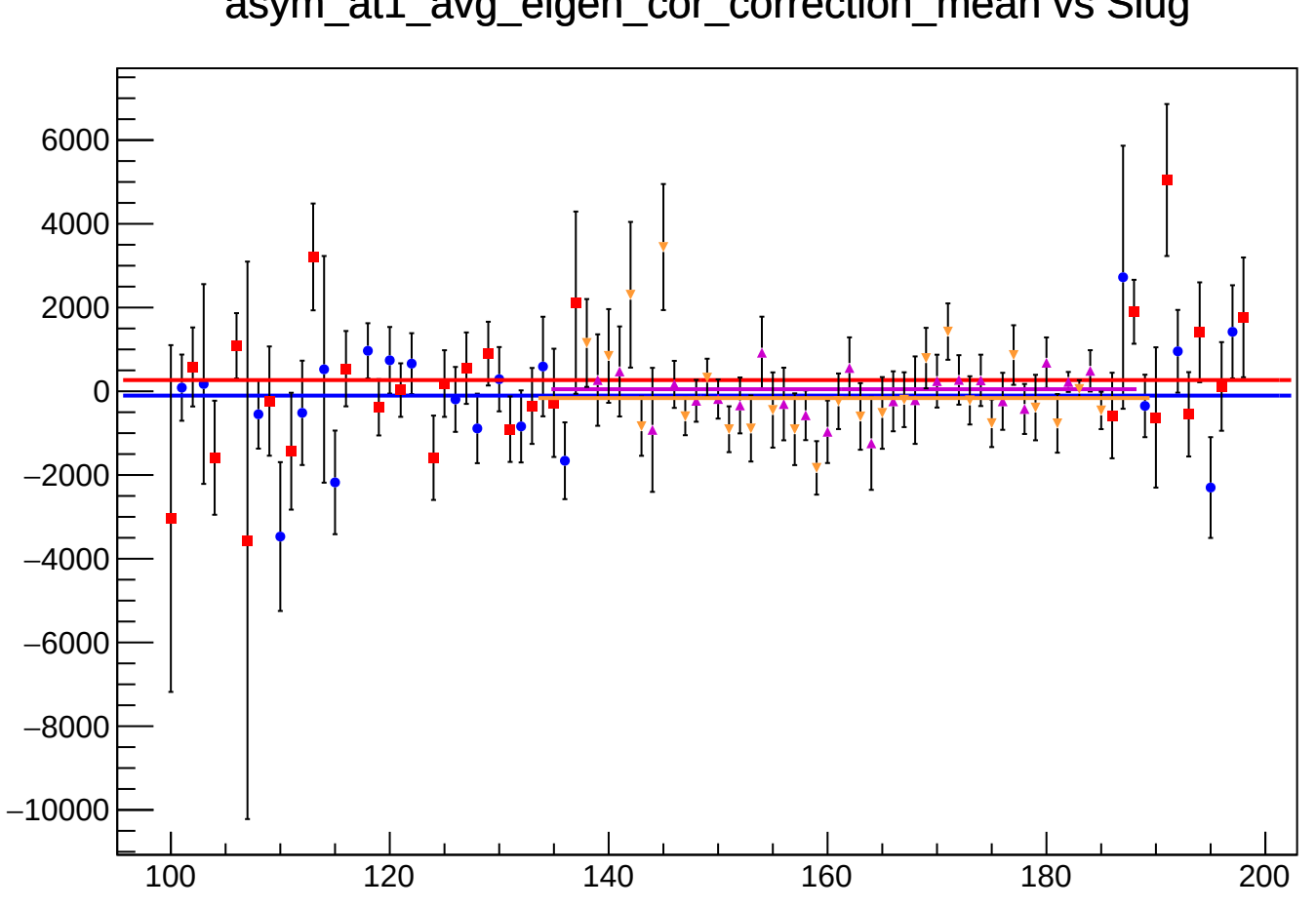
Right Out: 1924.325+/-0.389 χ^2/NDF: 721190.0/26

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.634+/-0.239 χ^2/NDF: 692213.5/45

All: 1849.425+/-0.168 χ^2/NDF: 1468114.1/95

- sign 1854.127+/-0.237 χ^2/NDF: 775107.1/49



Right In: -103.360+/-207.352 χ^2/NDF: 24.2/20

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 267.634+/-193.485 χ^2/NDF: 35.1/26

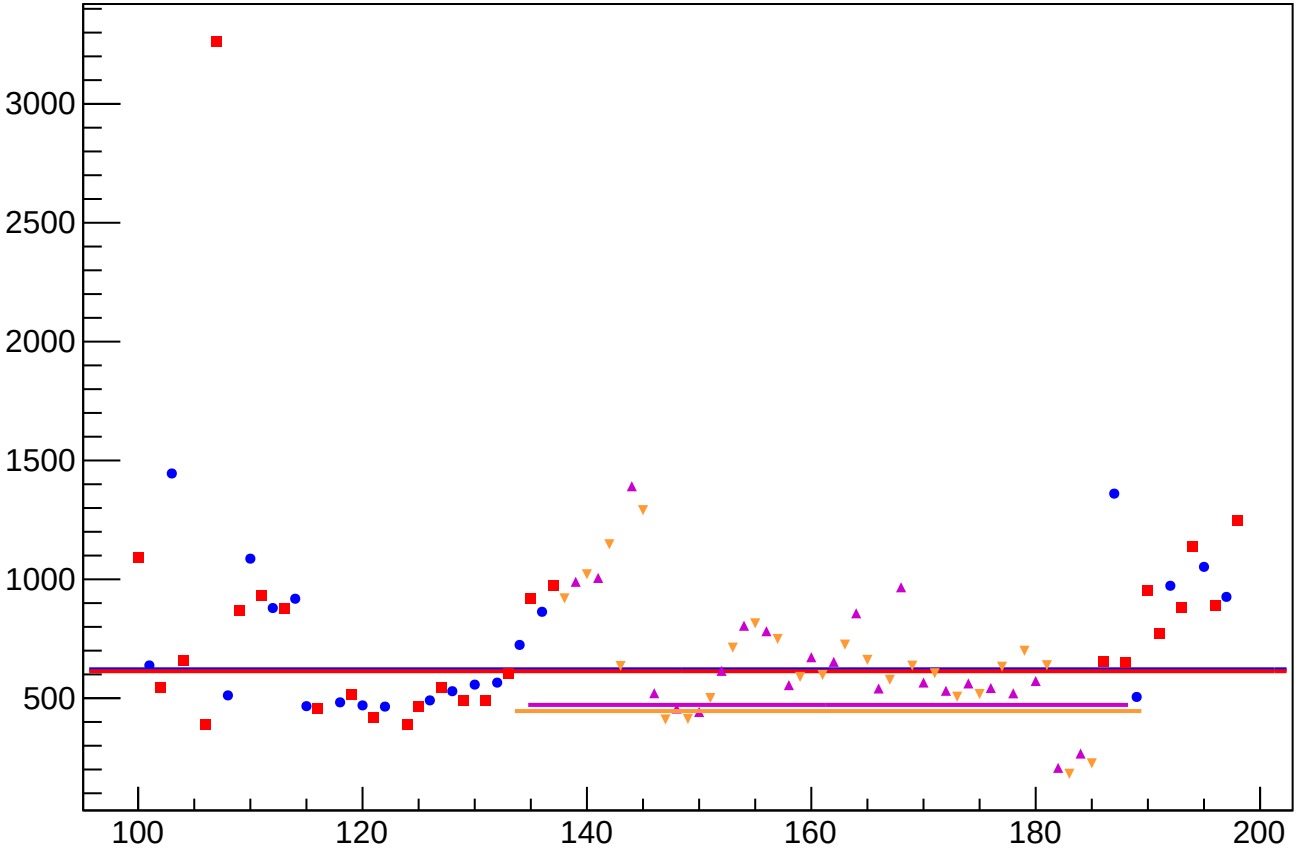
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -148.848+/-100.763 χ^2/NDF: 61.1/45

All: -22.103+/-72.238 χ^2/NDF: 111.7/95

- sign 111.923+/-103.617 χ^2/NDF: 47.4/49

asym_at1_avg_eigen_cor_correction_rms vs Slug



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Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

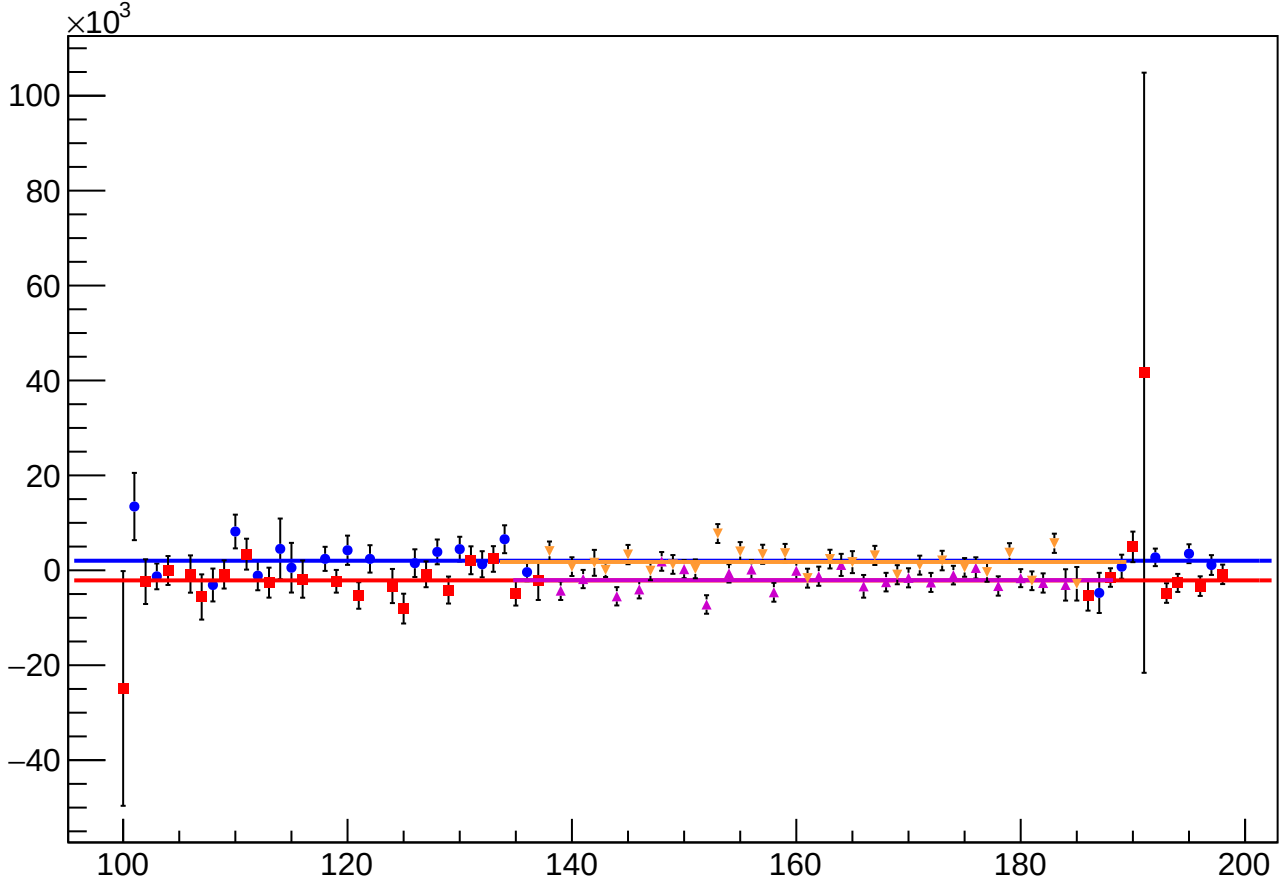
Right Out: 613.543+/-0.137 χ^2/NDF: 2682587.4/26

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 487.315+/-0.071 χ^2/NDF: 10962950.5/45

All: 499.517+/-0.051 χ^2/NDF: 20885540.0/95

- sign 512.420+/-0.073 χ^2/NDF: 9862249.6/49



Right In: 2017.661+/-599.320 χ^2/NDF: 20.2/20

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2125.019+/-551.850 χ^2/NDF: 25.7/26

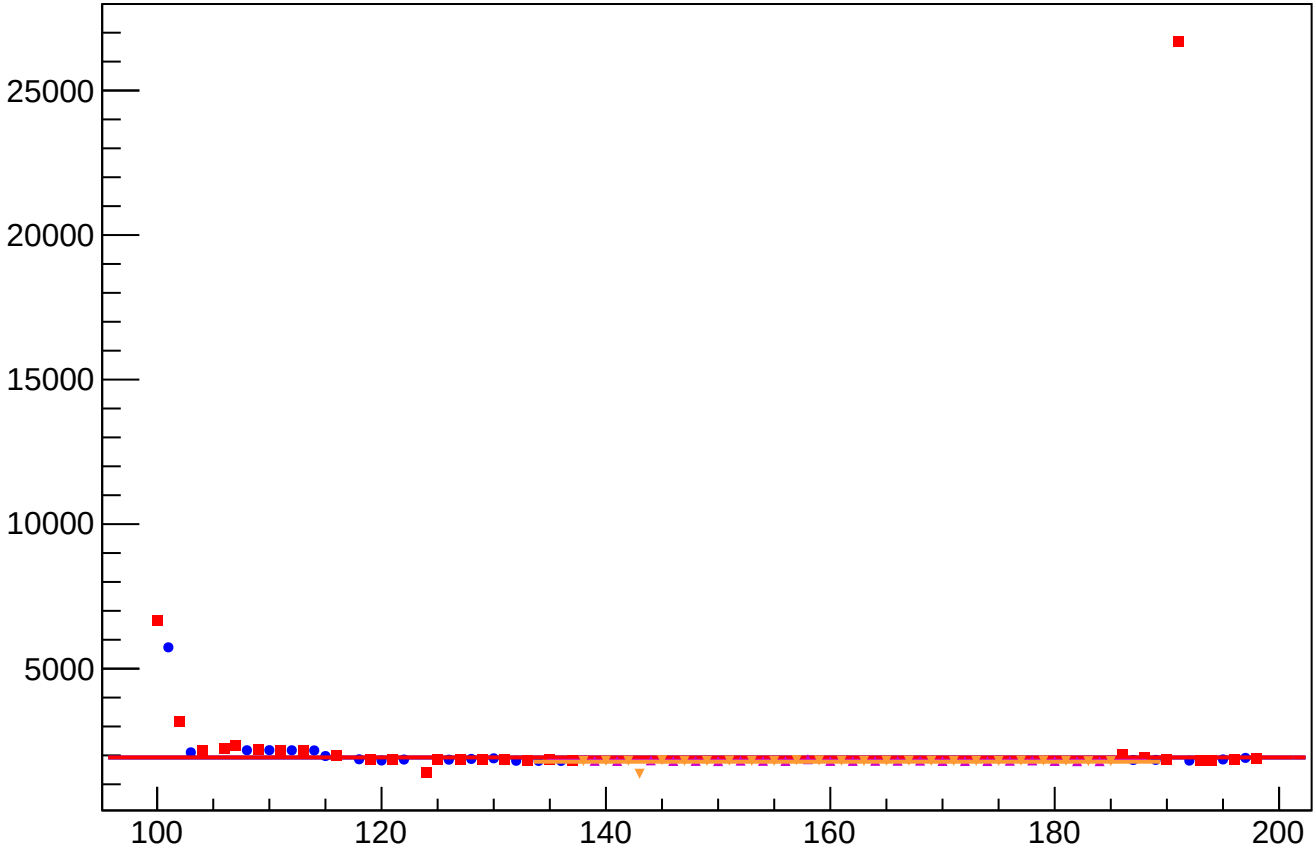
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1837.794+/-335.793 χ^2/NDF: 54.1/45

All: -125.915+/-237.530 χ^2/NDF: 175.3/95

- sign -2092.566+/-336.044 χ^2/NDF: 52.7/49

dit_asym_at1_avg_rms vs Slug



Right In: 1925.549+/-0.424 χ^2/NDF: 657129.5/20

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1929.617+/-0.390 χ^2/NDF: 678731.1/26

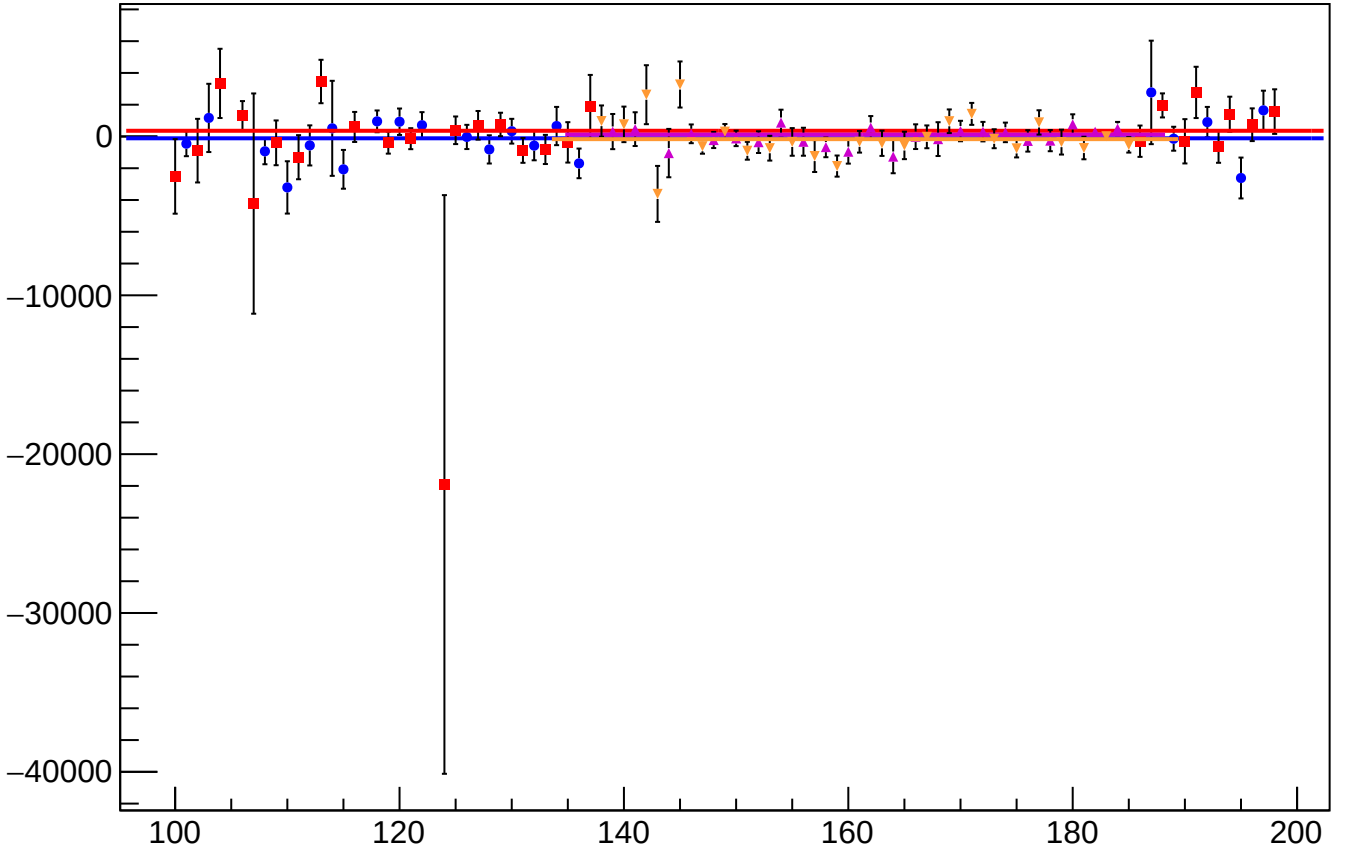
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.318+/-0.237 χ^2/NDF: 901982.6/45

All: 1841.720+/-0.168 χ^2/NDF: 1646050.9/95

- sign 1857.145+/-0.238 χ^2/NDF: 735646.5/49

asym_at1_avg_dit_correction_mean vs Slug



Right In: -115.371+/-213.064 χ^2/NDF: 25.0/20

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 358.496+/-204.757 χ^2/NDF: 30.9/26

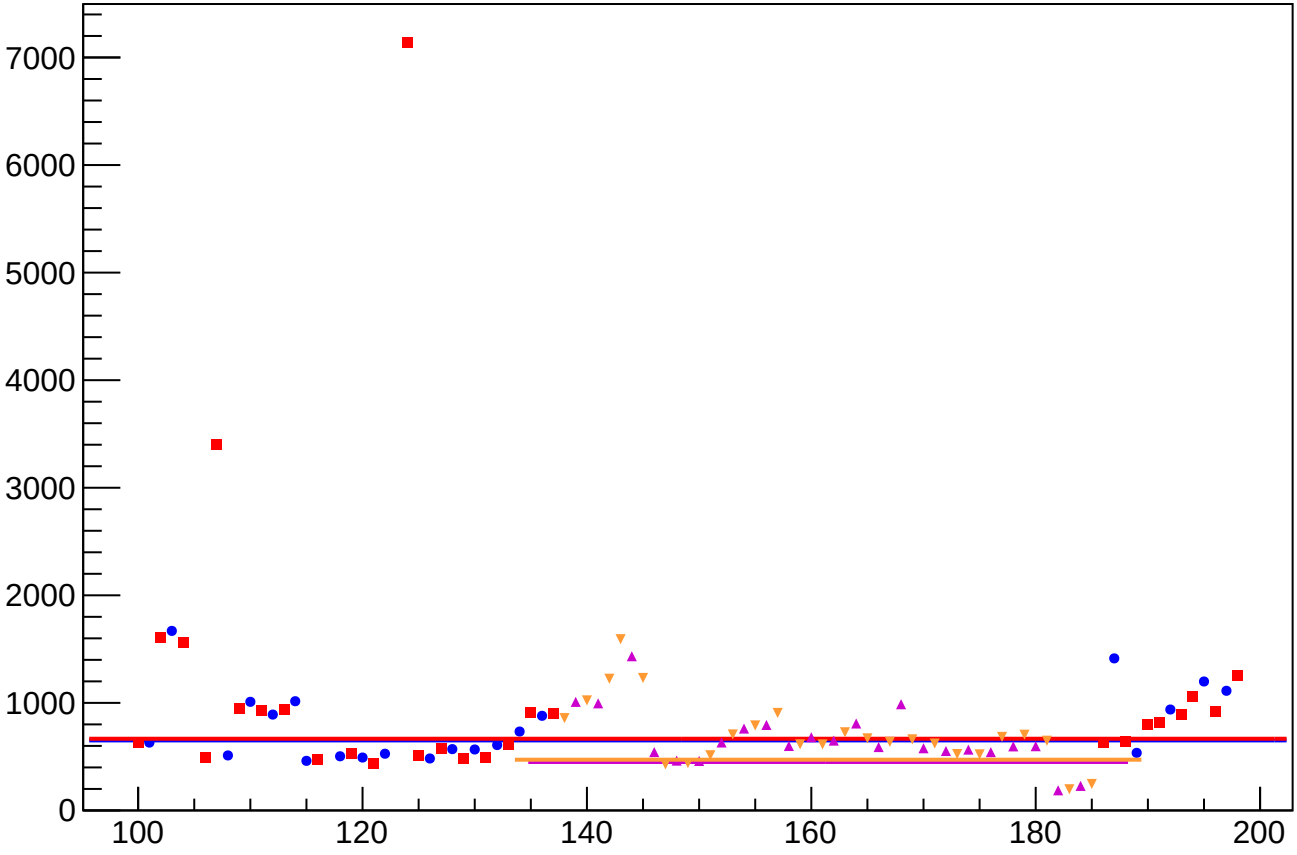
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

\+ sign -154.996+/-105.629 χ^2/NDF: 63.4/45

All: 15.448+/-73.884 χ^2/NDF: 112.8/95

\- sign 178.722+/-103.384 χ^2/NDF: 44.3/49

asym_at1_avg_dit_correction_rms vs Slug



Right In: 651.209+/-0.151 χ^2/NDF: 2215634.1/20

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 666.697+/-0.145 χ^2/NDF: 3338855.1/26

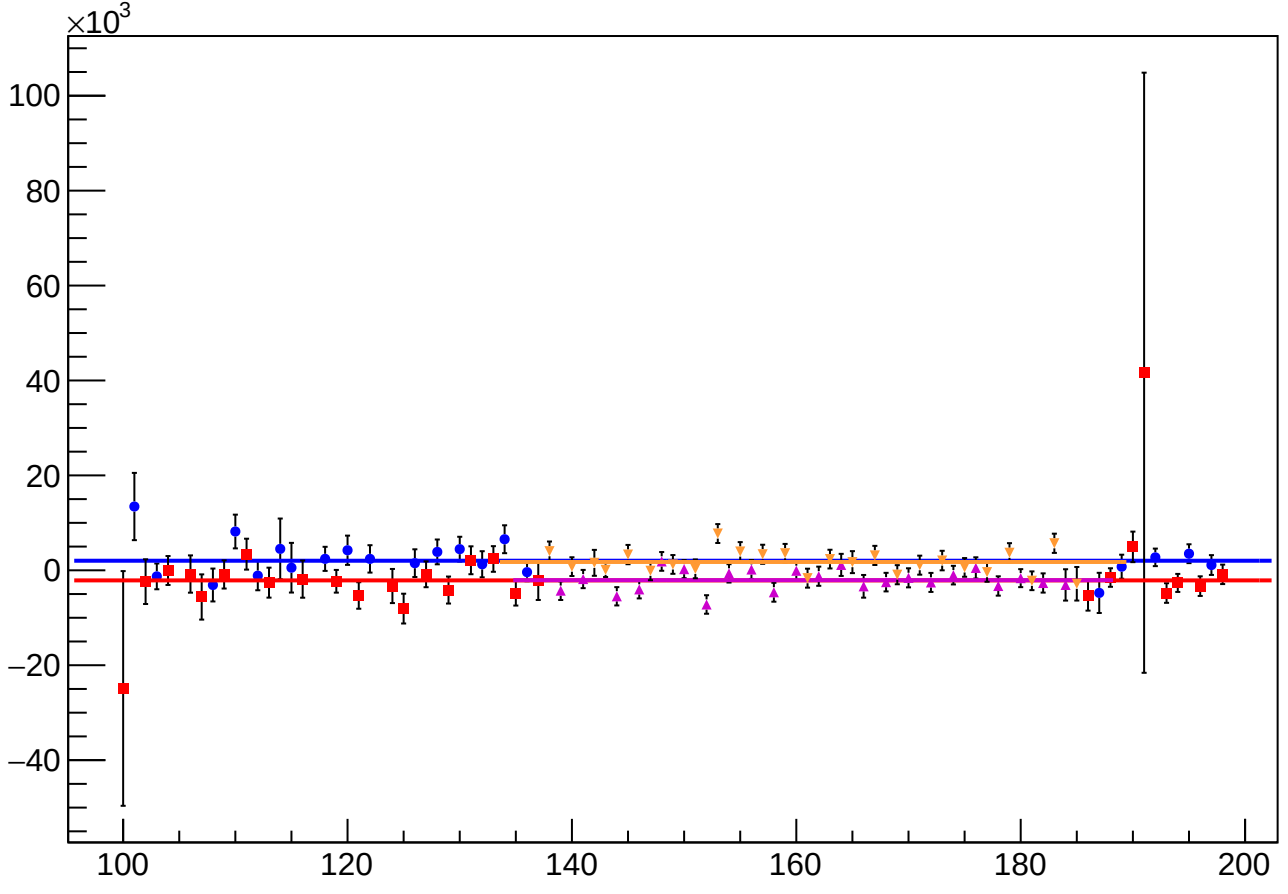
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 515.878+/-0.075 χ^2/NDF: 11398117.9/45

All: 510.694+/-0.052 χ^2/NDF: 24333699.7/95

- sign 505.729+/-0.073 χ^2/NDF: 12926152.0/49

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2017.659+/-599.320 χ^2/NDF: 20.2/20

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2125.016+/-551.850 χ^2/NDF: 25.7/26

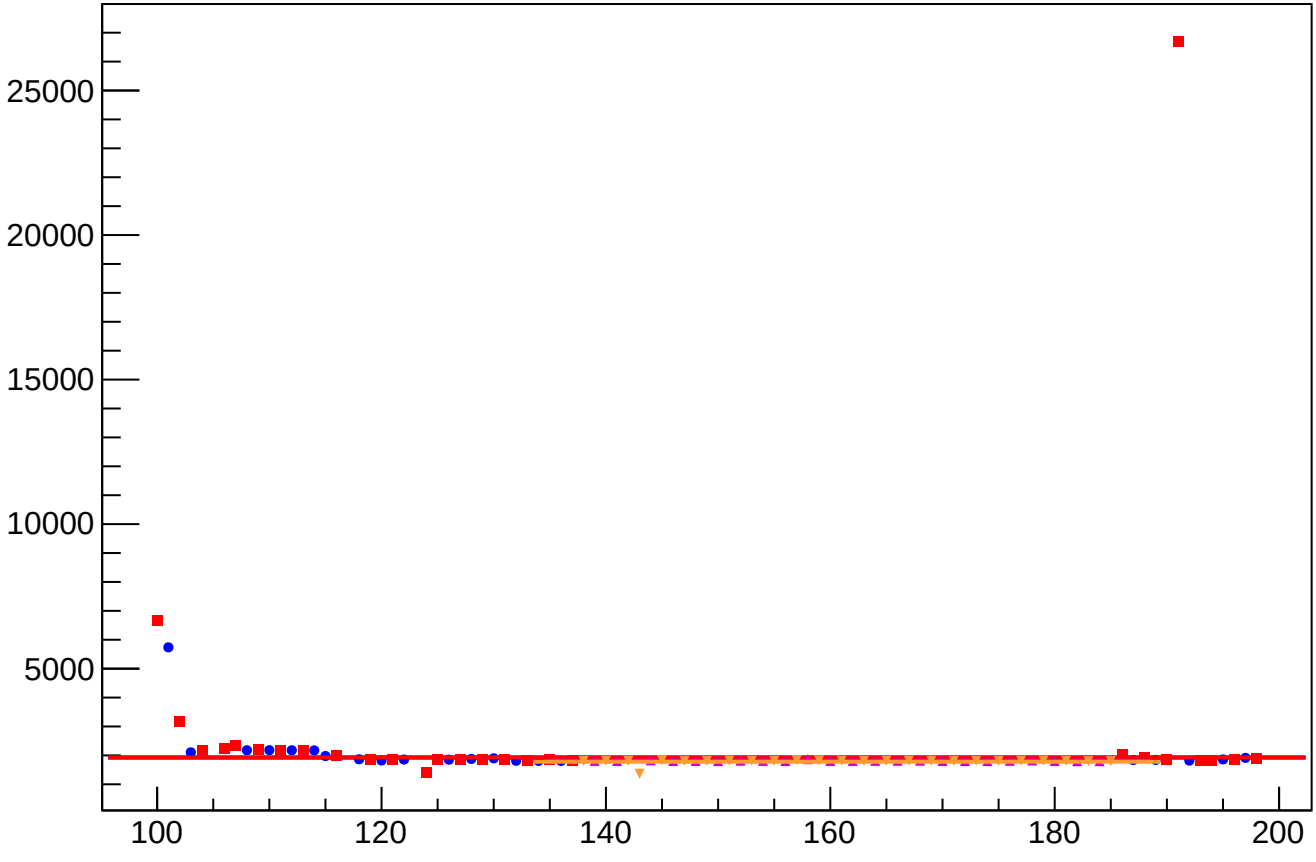
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1837.794+/-335.793 χ^2/NDF: 54.1/45

All: -125.914+/-237.530 χ^2/NDF: 175.3/95

- sign -2092.565+/-336.044 χ^2/NDF: 52.7/49

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1925.548+/-0.424 χ^2/NDF: 657129.1/20

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1929.617+/-0.390 χ^2/NDF: 678729.8/26

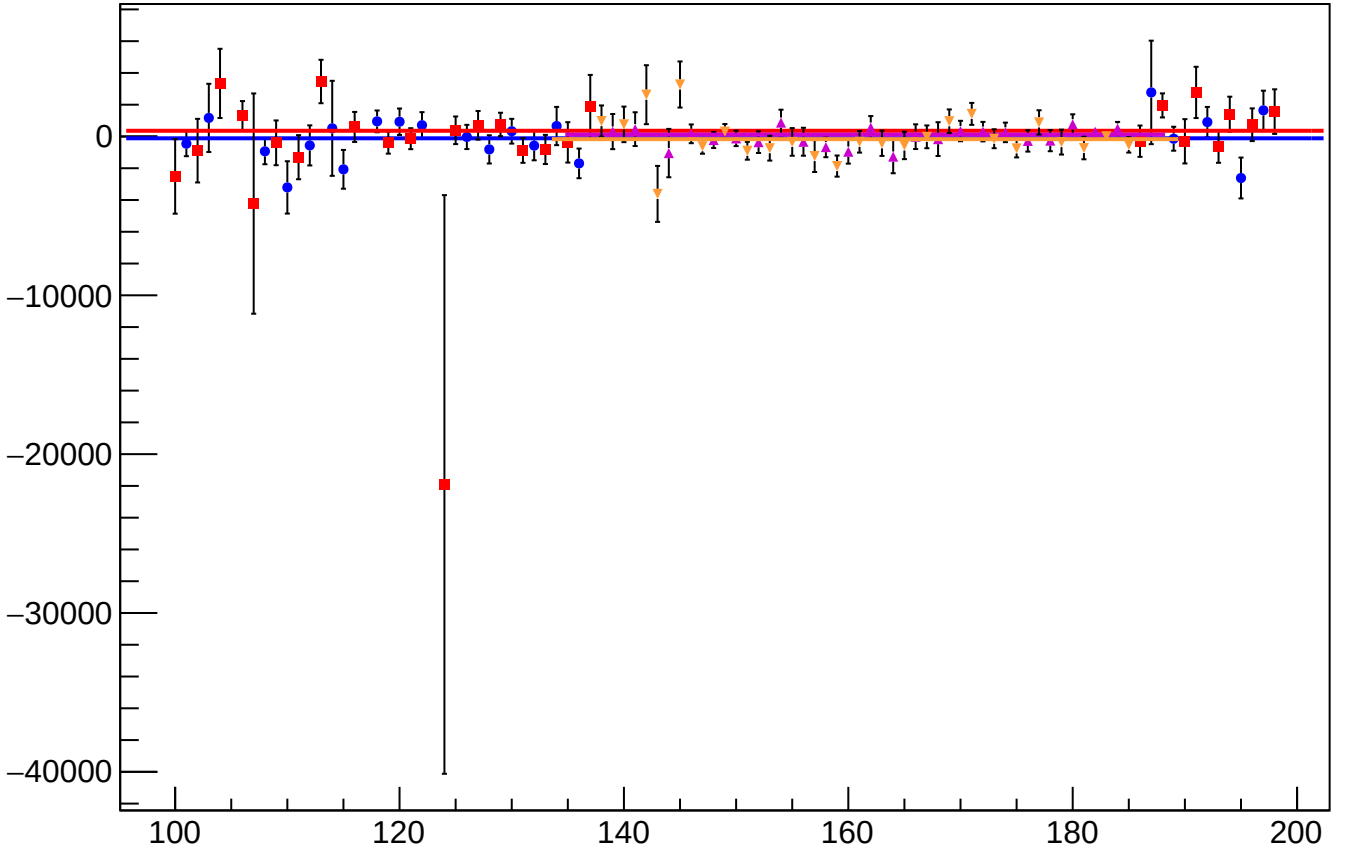
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.318+/-0.237 χ^2/NDF: 901982.0/45

All: 1841.720+/-0.168 χ^2/NDF: 1646048.8/95

- sign 1857.145+/-0.238 χ^2/NDF: 735645.0/49

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -115.371+/-213.064 χ^2/NDF: 25.0/20

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 358.495+/-204.757 χ^2/NDF: 30.9/26

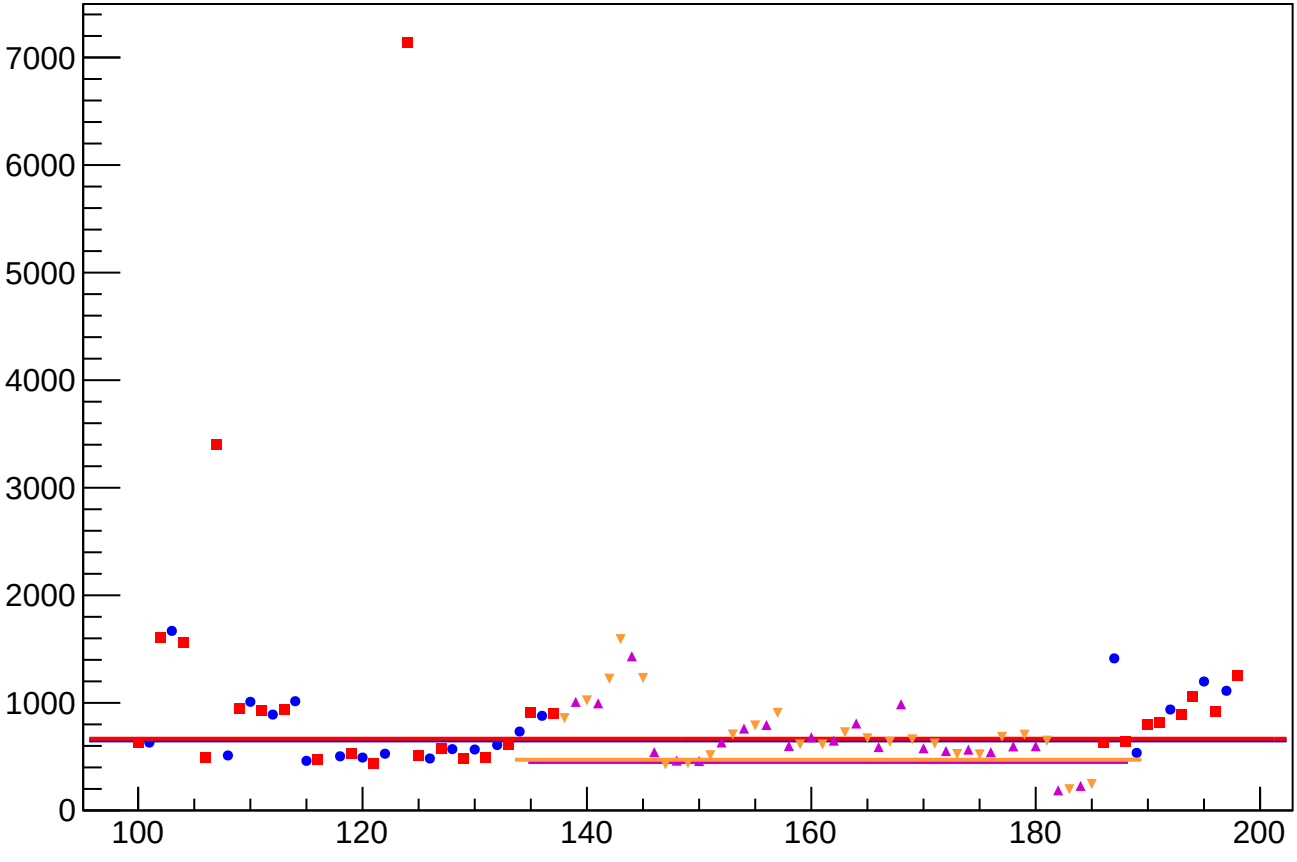
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -154.996+/-105.629 χ^2/NDF: 63.4/45

All: 15.448+/-73.884 χ^2/NDF: 112.8/95

- sign 178.723+/-103.384 χ^2/NDF: 44.3/49

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 651.209+/-0.151 χ^2/NDF: 2215647.5/20

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 666.696+/-0.145 χ^2/NDF: 3338871.5/26

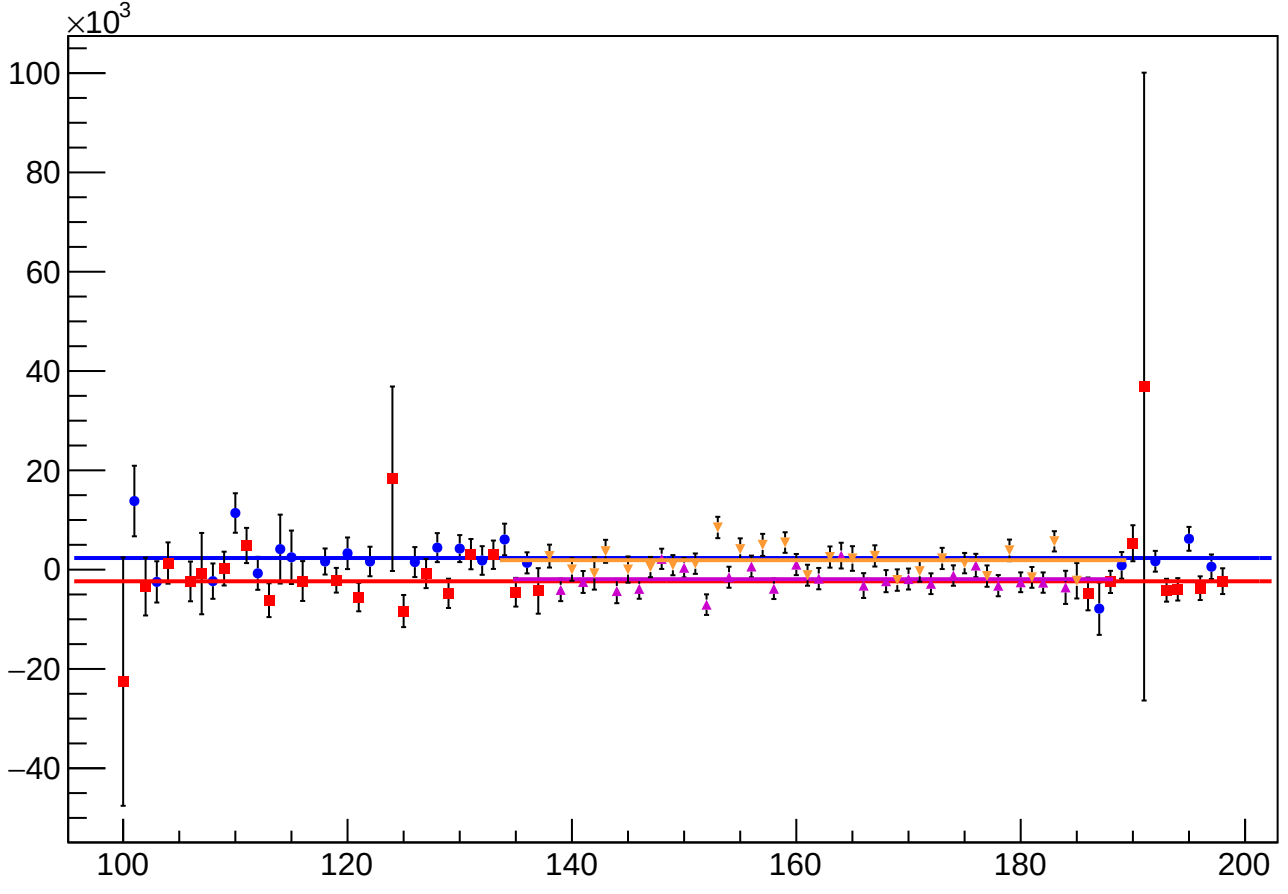
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 515.878+/-0.075 χ^2/NDF: 11398113.3/45

All: 510.695+/-0.052 χ^2/NDF: 24333672.3/95

- sign 505.730+/-0.073 χ^2/NDF: 12926129.7/49

asym_at1_avg_mean vs Slug



Right In: 2339.605+/-664.418 χ^2/NDF: 21.9/20

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2345.094+/-623.786 χ^2/NDF: 28.7/26

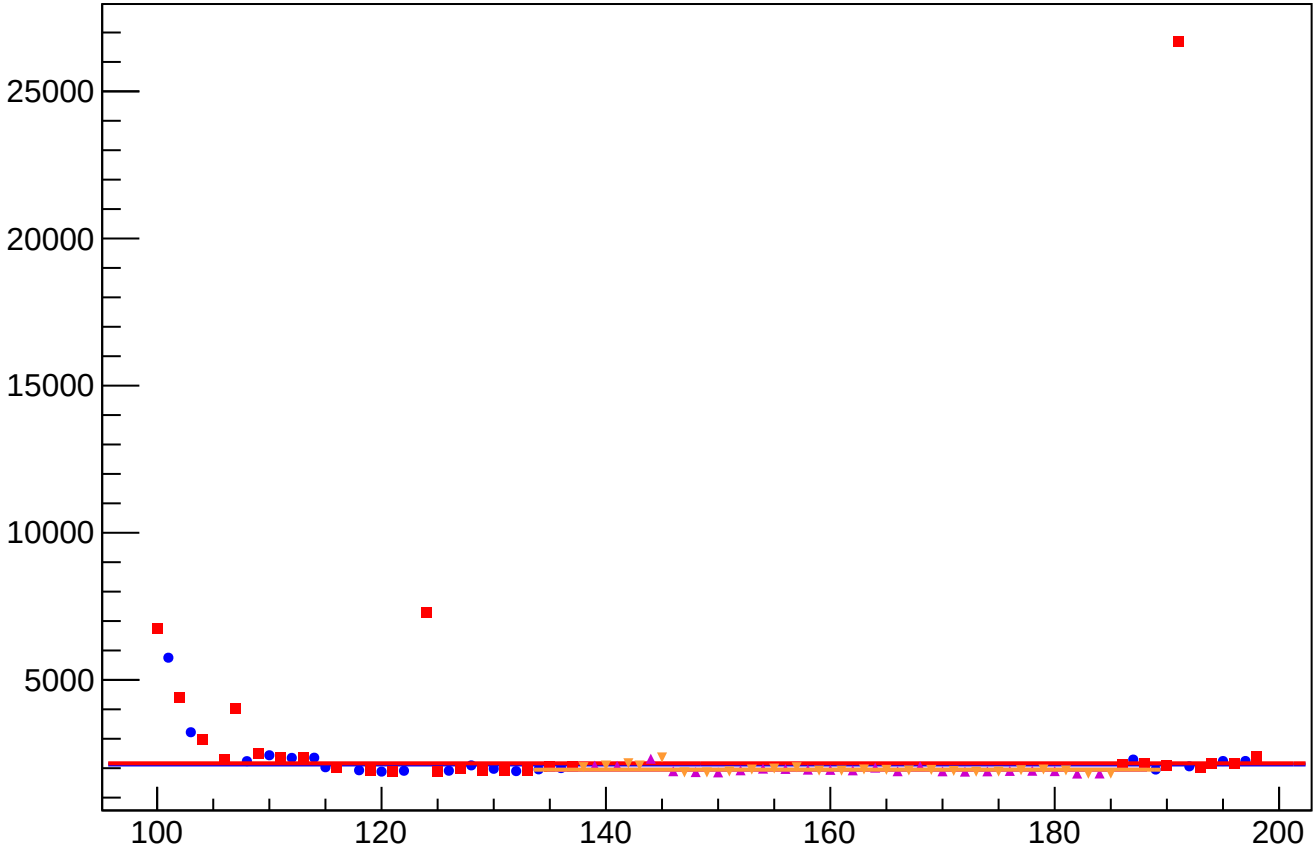
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2040.605+/-368.885 χ^2/NDF: 58.5/45

All: -23.164+/-260.363 χ^2/NDF: 174.6/95

- sign -2071.864+/-367.536 χ^2/NDF: 53.8/49

asym_at1_avg_rms vs Slug



Right In: 2125.831+/-0.470 χ^2/NDF: 781493.8/20

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

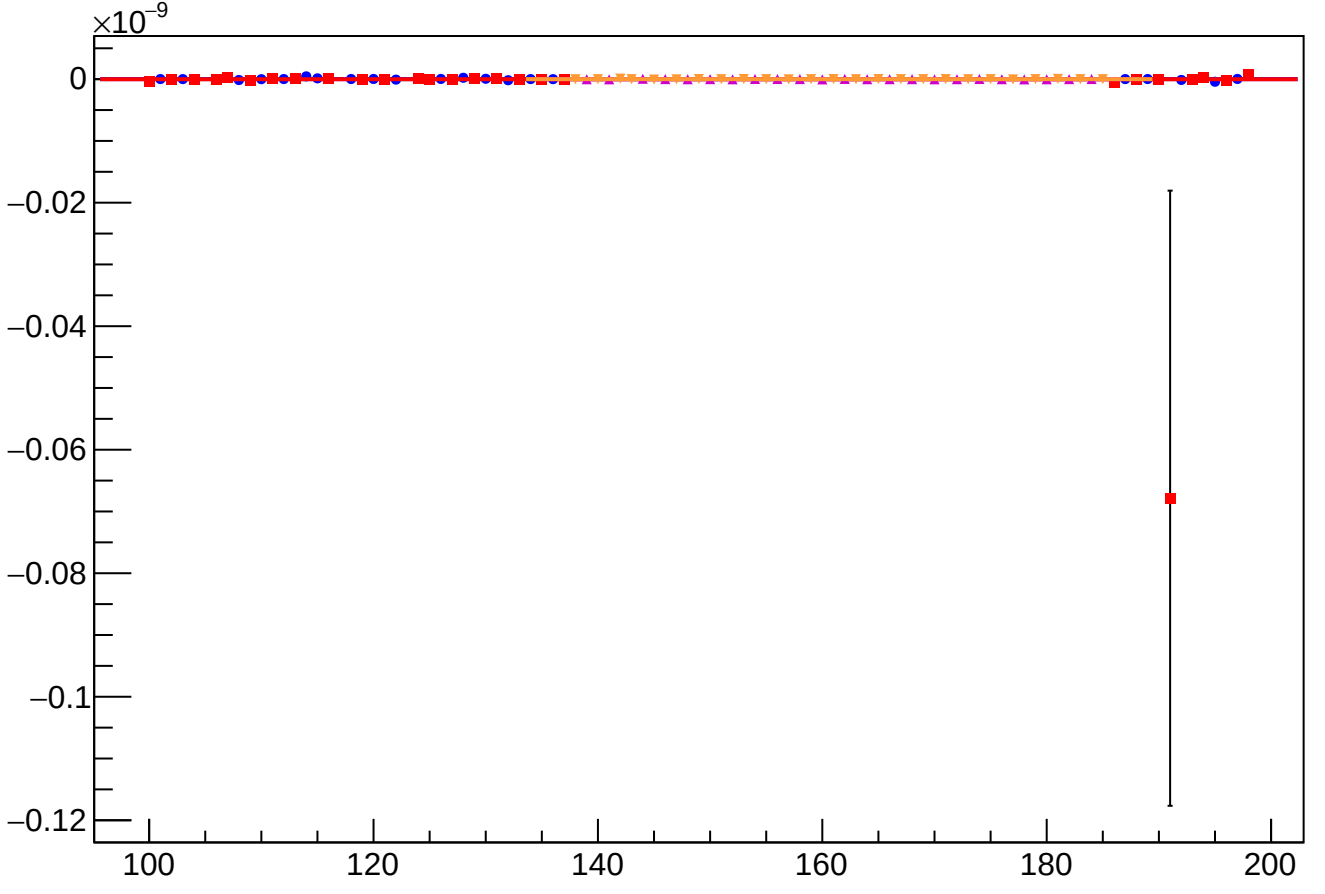
Right Out: 2166.051+/-0.441 χ^2/NDF: 1151865.3/26

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2003.509+/-0.261 χ^2/NDF: 988013.5/45

All: 2012.701+/-0.184 χ^2/NDF: 2402078.0/95

- sign 2021.826+/-0.260 χ^2/NDF: 1411589.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/26

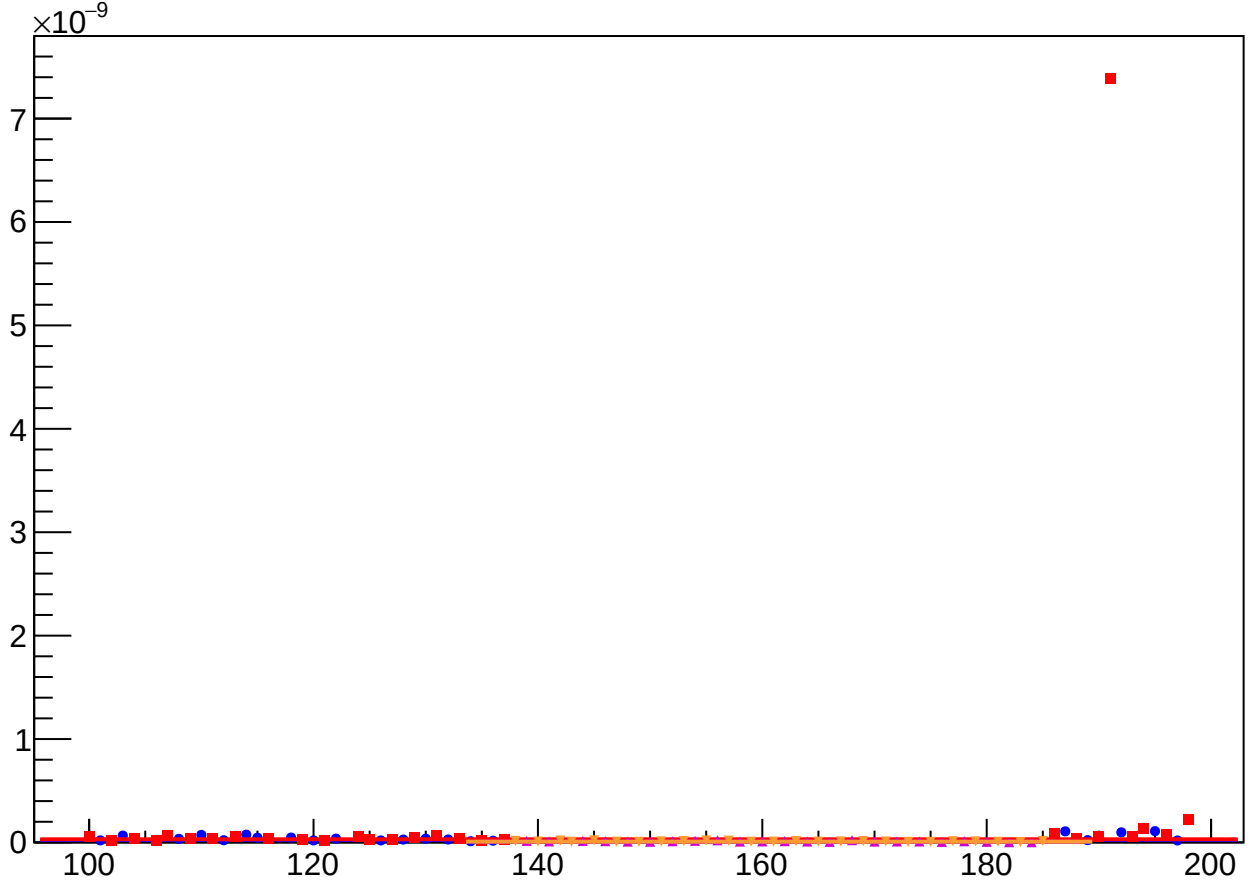
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/45

All: 0.000+/-0.000 χ^2/NDF: 113.2/95

- sign 0.000+/-0.000 χ^2/NDF: 61.0/49

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2038675.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2462816.7/26

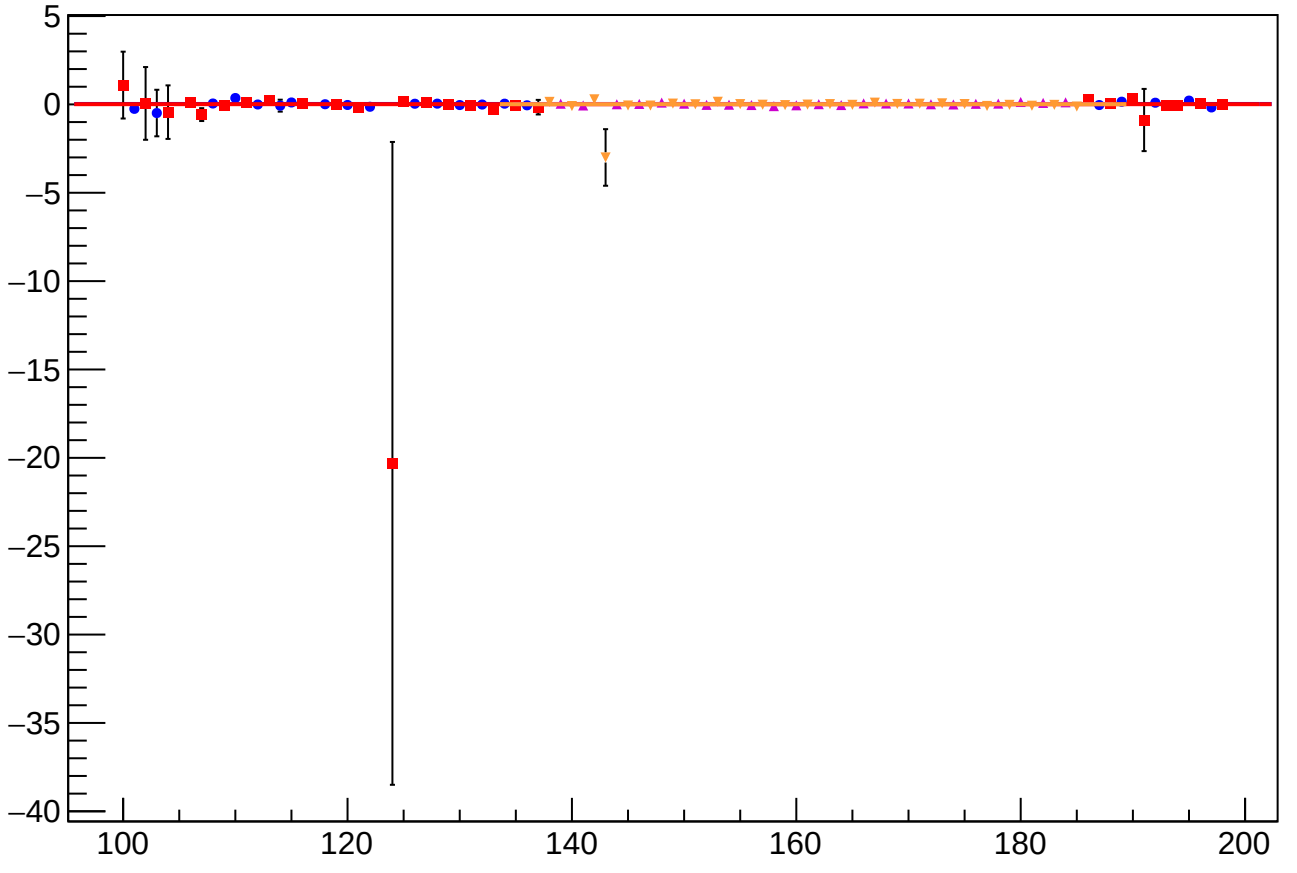
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6551500.1/45

All: 0.000+/-0.000 χ^2/NDF: 15117172.0/95

- sign 0.000+/-0.000 χ^2/NDF: 8563672.2/49

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/26

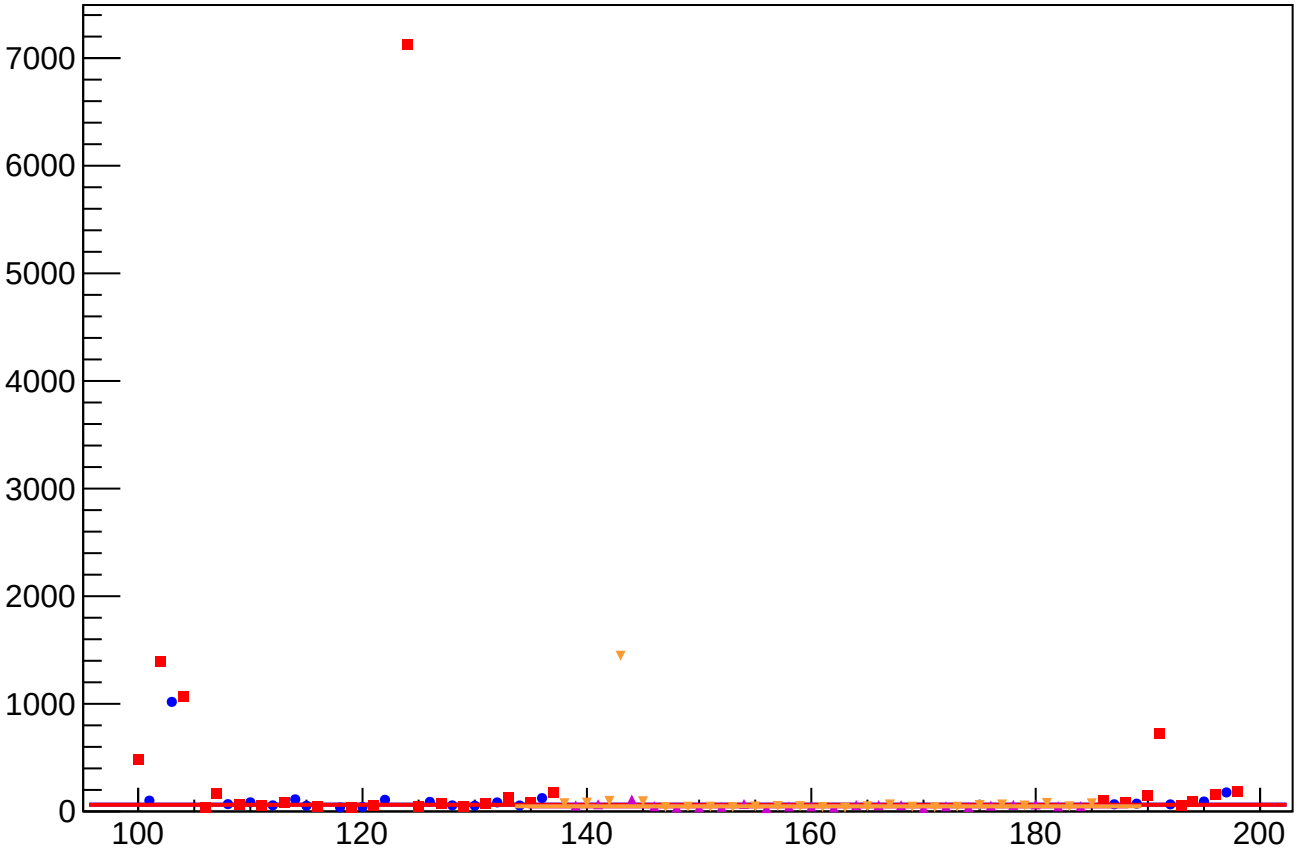
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 47.0/45

All: 0.016+/-0.008 χ^2/NDF: 91.2/95

- sign 0.017+/-0.011 χ^2/NDF: 44.2/49

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.483+/-0.017 χ^2/NDF: 3175717.5/20

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

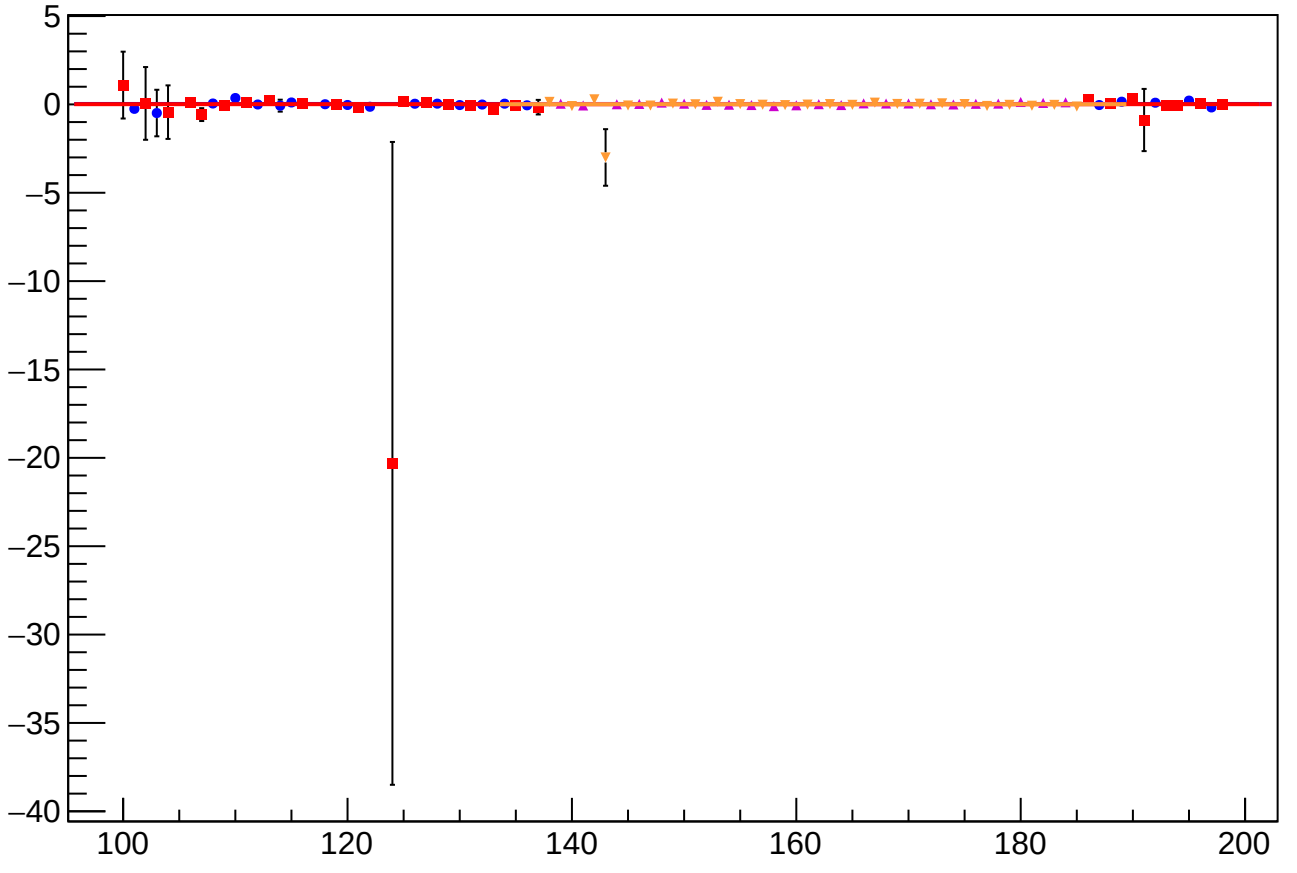
Right Out: 61.895+/-0.016 χ^2/NDF: 5488184.8/26

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 51.256+/-0.008 χ^2/NDF: 7347655.6/45

All: 50.753+/-0.005 χ^2/NDF: 15495688.5/95

- sign 50.276+/-0.008 χ^2/NDF: 8139922.9/49



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/26

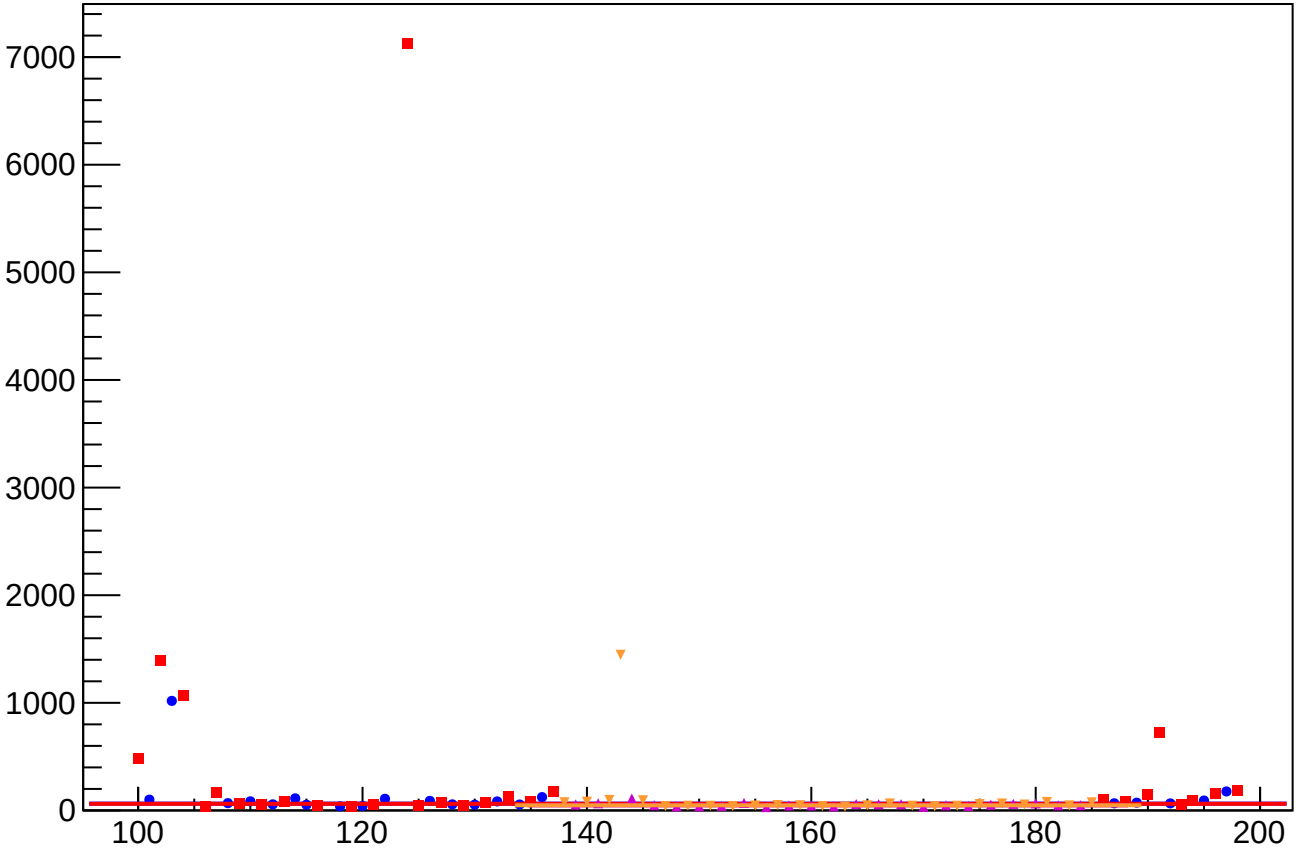
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 47.0/45

All: 0.016+/-0.008 χ^2/NDF: 91.2/95

- sign 0.017+/-0.011 χ^2/NDF: 44.2/49

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.483+/-0.017 χ^2/NDF: 3175717.5/20

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

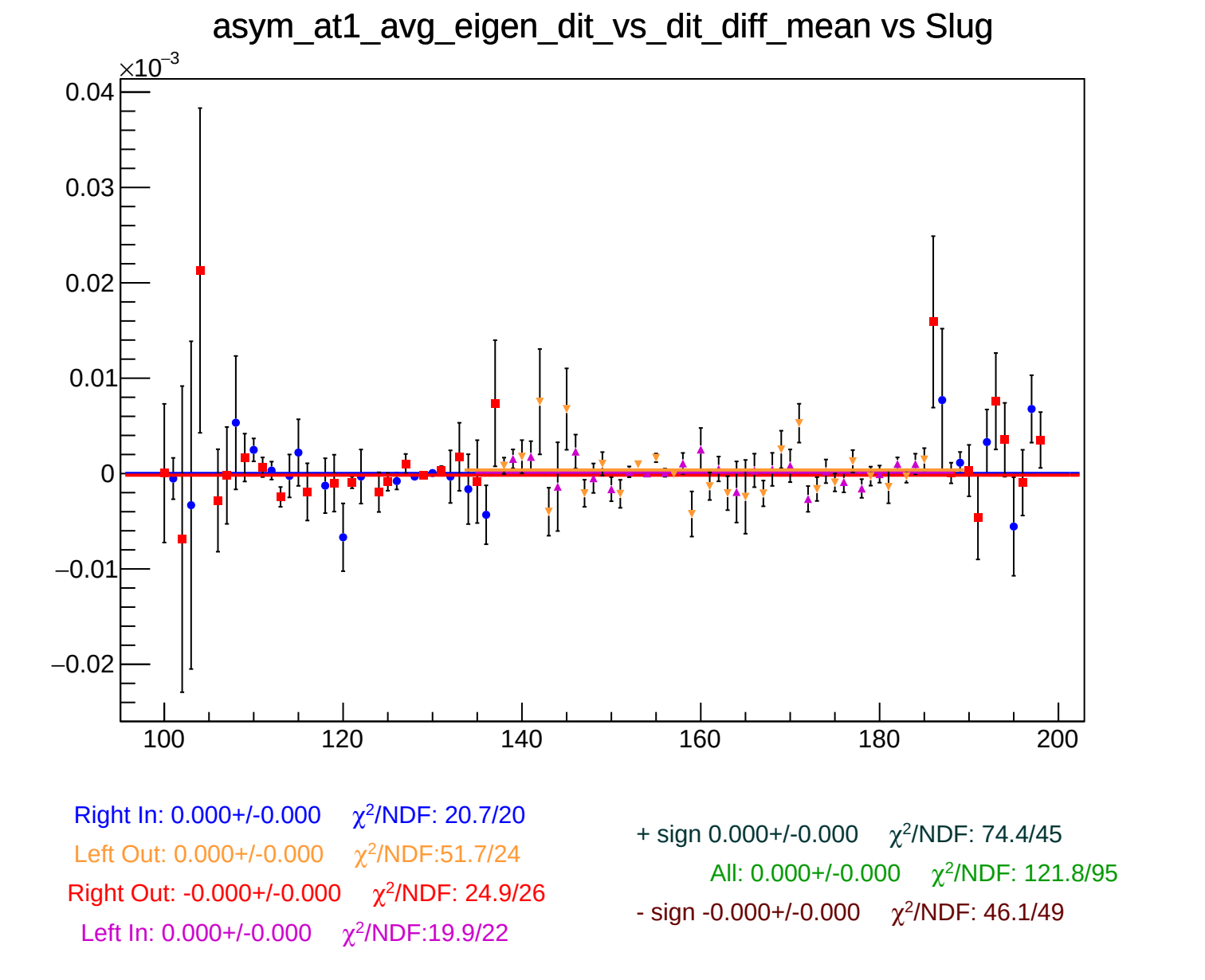
Right Out: 61.895+/-0.016 χ^2/NDF: 5488184.8/26

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

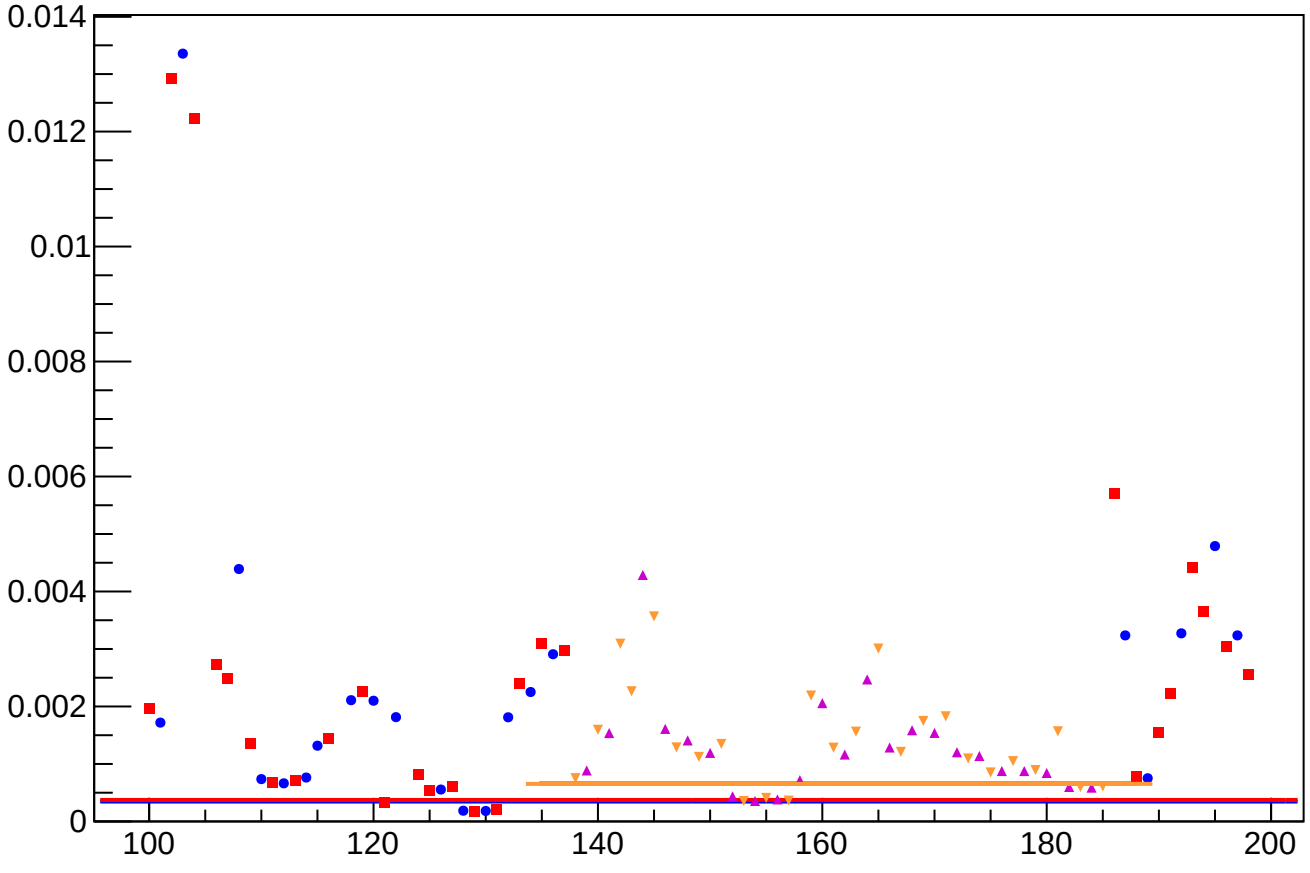
+ sign 51.256+/-0.008 χ^2/NDF: 7347655.6/45

All: 50.753+/-0.005 χ^2/NDF: 15495688.5/95

- sign 50.276+/-0.008 χ^2/NDF: 8139922.9/49


asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 20.7/20
Left Out: 0.000+/-0.000 χ²/NDF:51.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.9/26
Left In: 0.000+/-0.000 χ²/NDF:19.9/22
+ sign 0.000+/-0.000 χ²/NDF: 74.4/45
All: 0.000+/-0.000 χ²/NDF: 121.8/95
- sign -0.000+/-0.000 χ²/NDF: 46.1/49

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13673104.6/20

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14927553.4/26

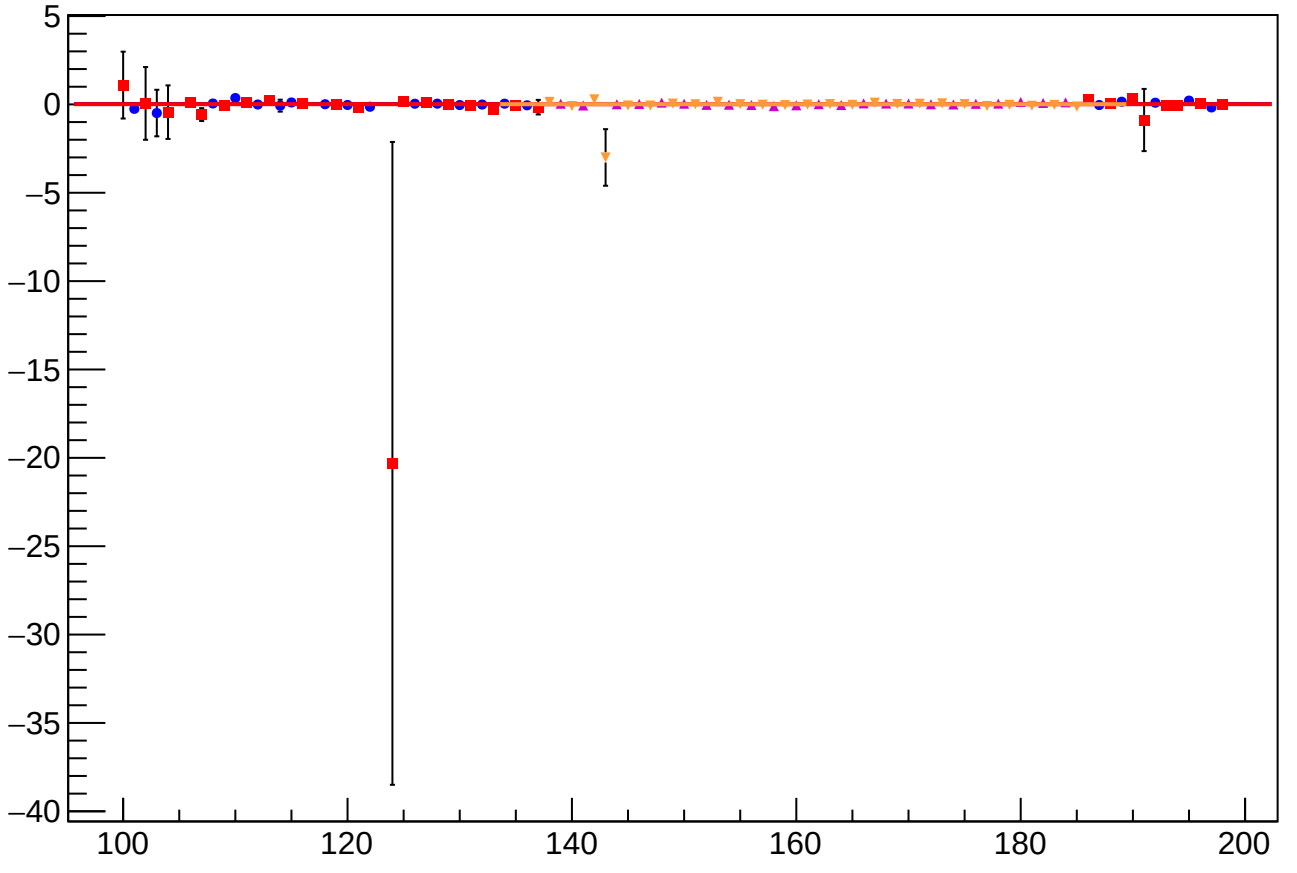
Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 28479029.0/45

All: 0.001+/-0.000 χ^2/NDF: 55435842.4/95

- sign 0.001+/-0.000 χ^2/NDF: 26949605.2/49

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/26

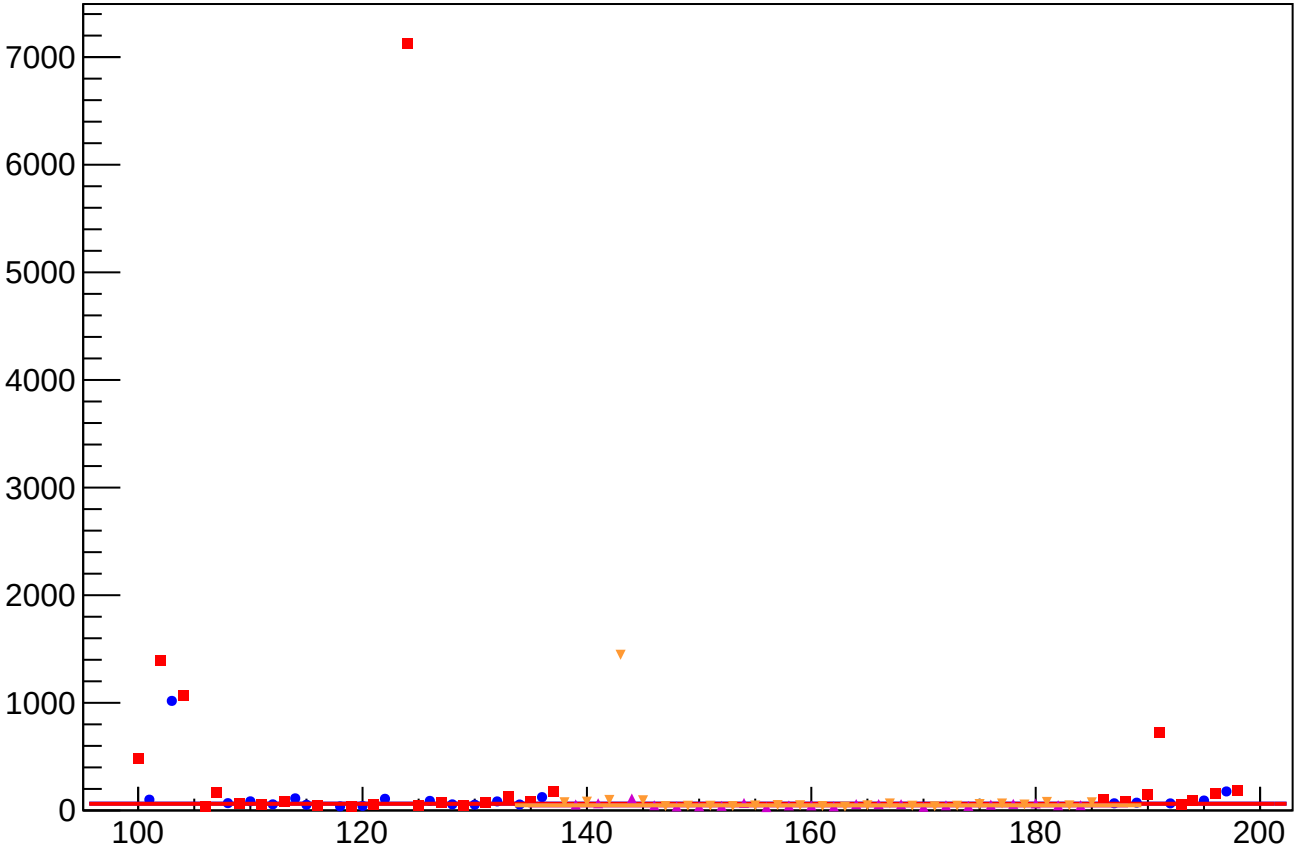
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 47.0/45

All: 0.016+/-0.008 χ^2/NDF: 91.2/95

- sign 0.017+/-0.011 χ^2/NDF: 44.2/49

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.483+/-0.017 χ^2/NDF: 3175754.4/20

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

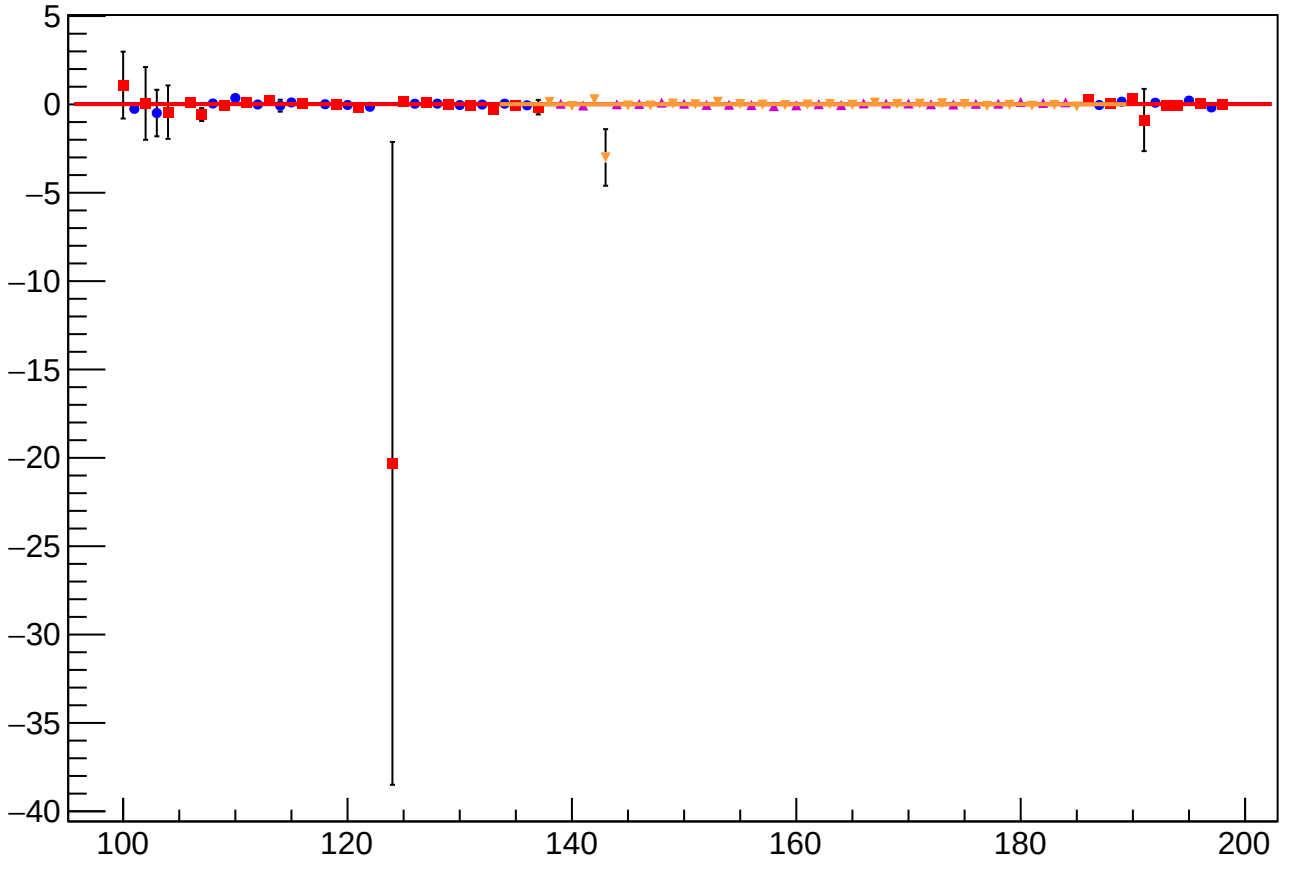
Right Out: 61.894+/-0.016 χ^2/NDF: 5488324.4/26

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 51.256+/-0.008 χ^2/NDF: 7347644.5/45

All: 50.753+/-0.005 χ^2/NDF: 15495730.7/95

- sign 50.275+/-0.008 χ^2/NDF: 8139969.9/49



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

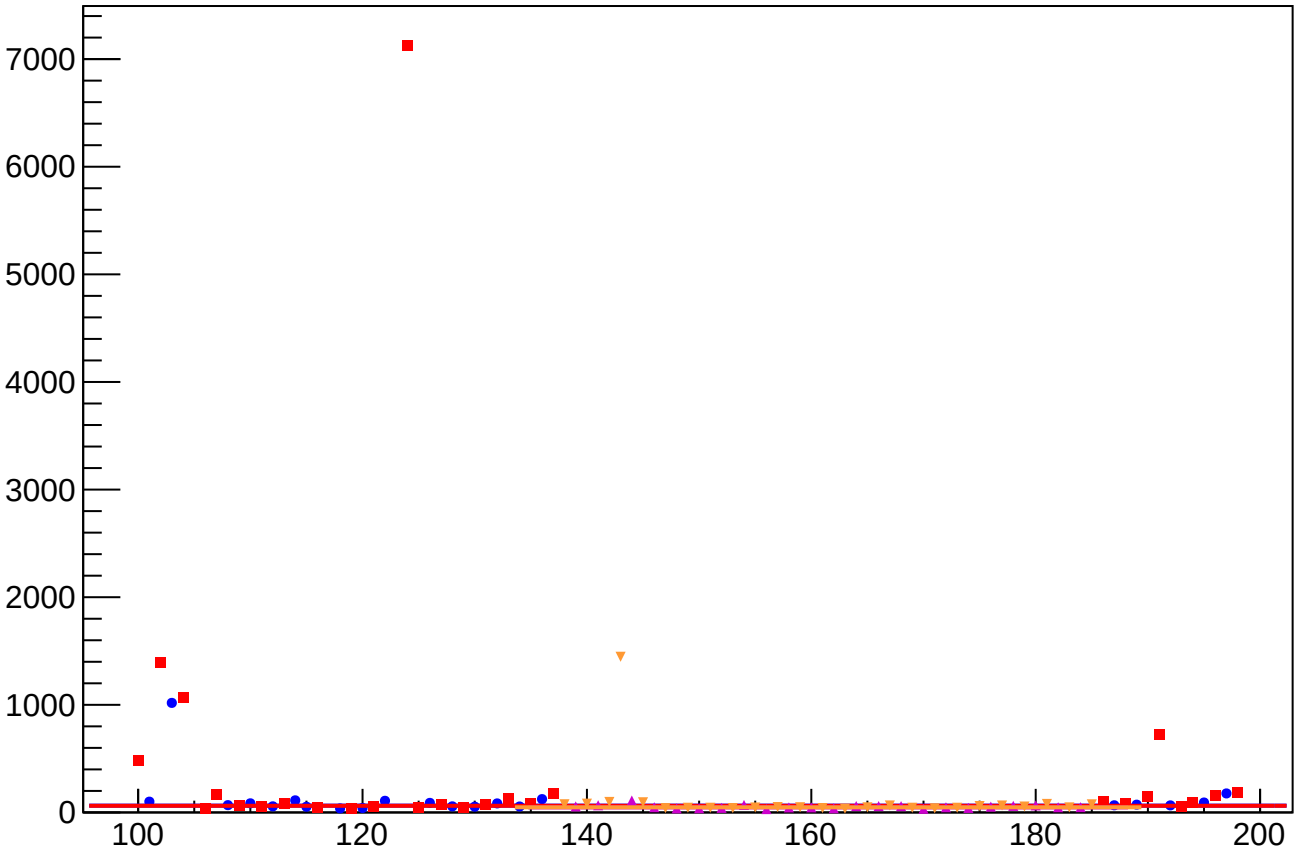
Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/26

Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 47.0/45

All: 0.016+/-0.008 χ^2/NDF: 91.2/95

- sign 0.017+/-0.011 χ^2/NDF: 44.2/49



Right In: 63.483+/-0.017 χ^2/NDF: 3175754.4/20

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 61.894+/-0.016 χ^2/NDF: 5488324.4/26

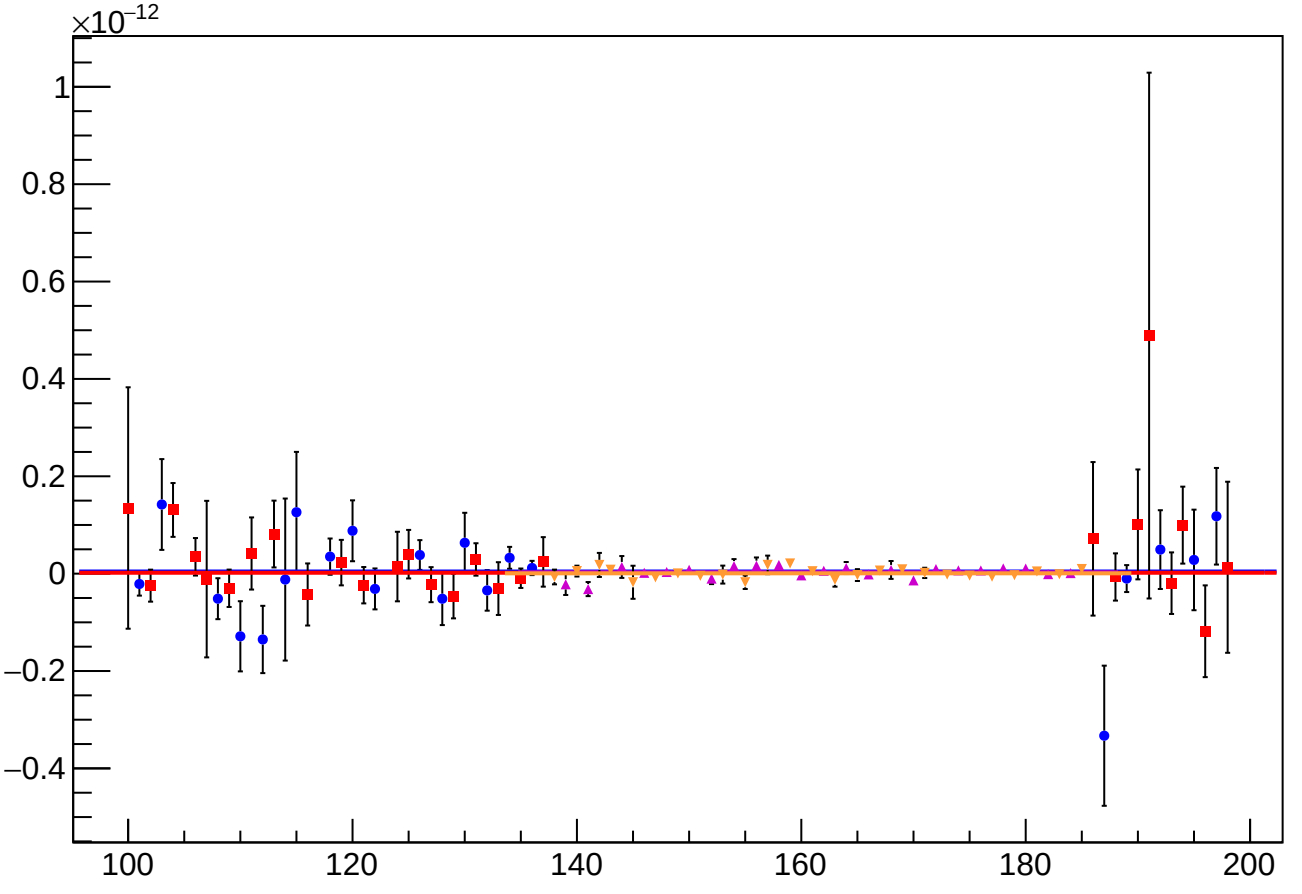
Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 51.256+/-0.008 χ^2/NDF: 7347644.5/45

All: 50.753+/-0.005 χ^2/NDF: 15495730.7/95

- sign 50.275+/-0.008 χ^2/NDF: 8139969.9/49

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

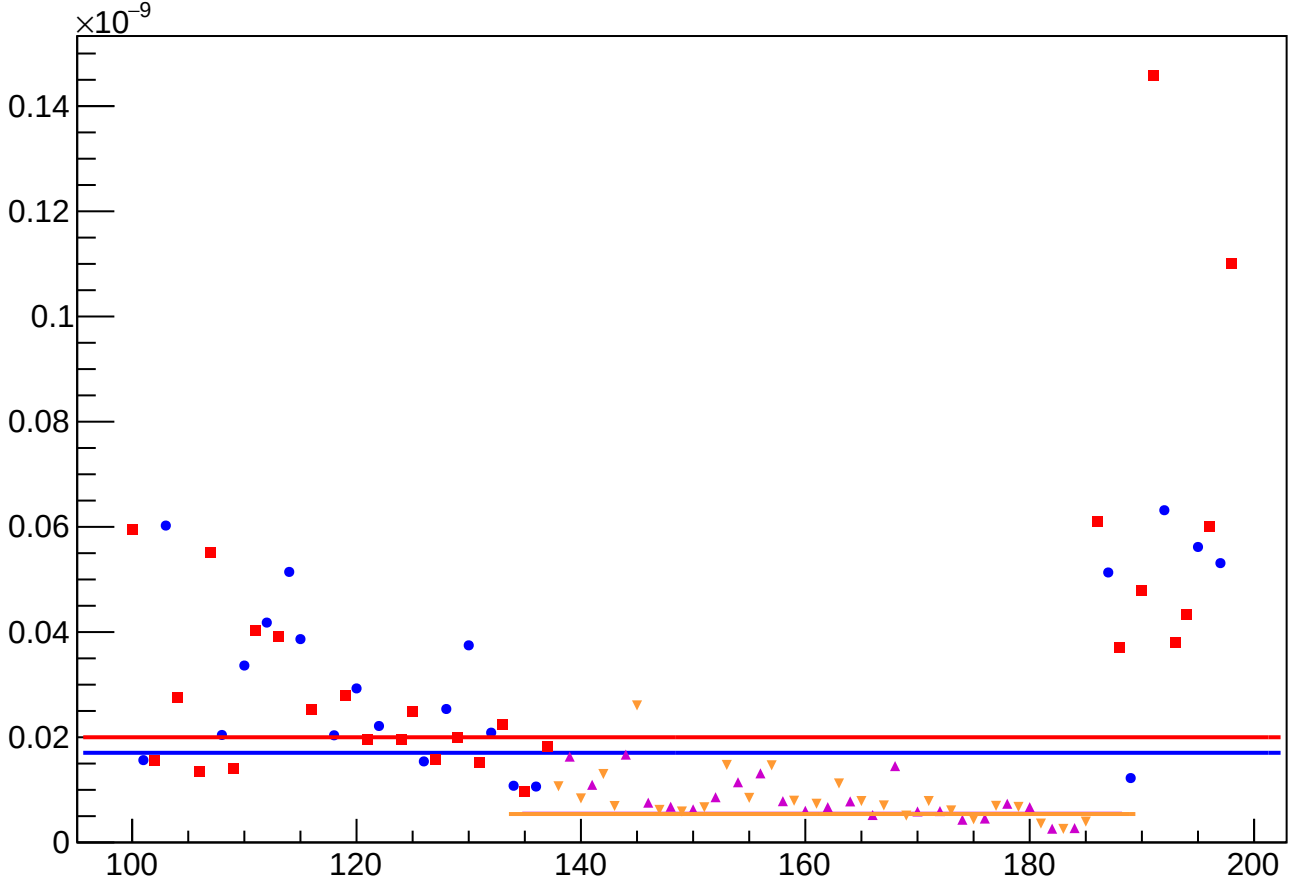
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/26

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.4/45

All: 0.000+/-0.000 χ^2/NDF: 87.1/95

- sign 0.000+/-0.000 χ^2/NDF: 41.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 3284365.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3172476.7/26

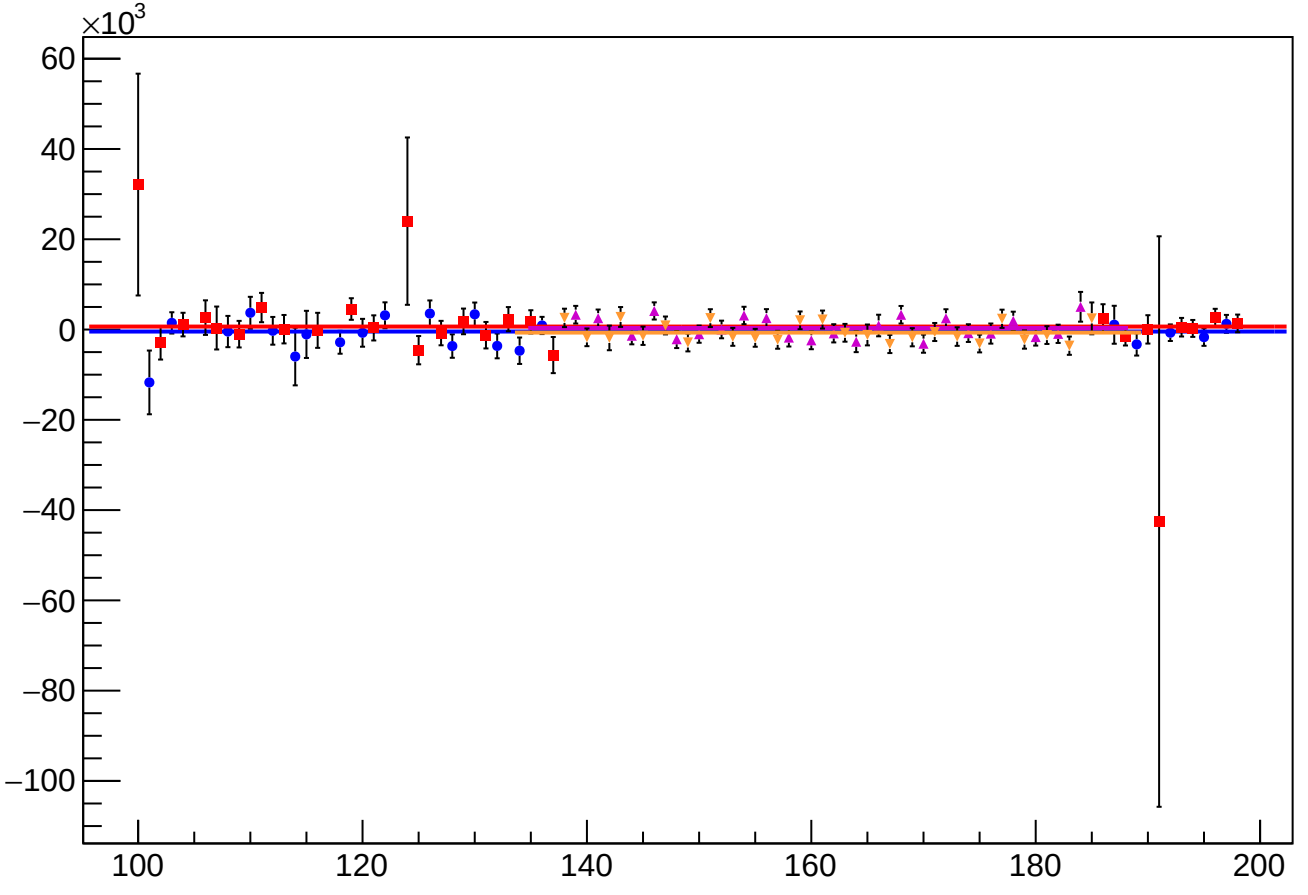
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12332863.1/45

All: 0.000+/-0.000 χ^2/NDF: 25131548.2/95

- sign 0.000+/-0.000 χ^2/NDF: 12796716.7/49

reg_asym_at1_dd_mean vs Slug



Right In: -442.957+/-588.277 χ^2/NDF: 19.9/20

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 658.548+/-546.243 χ^2/NDF: 19.2/26

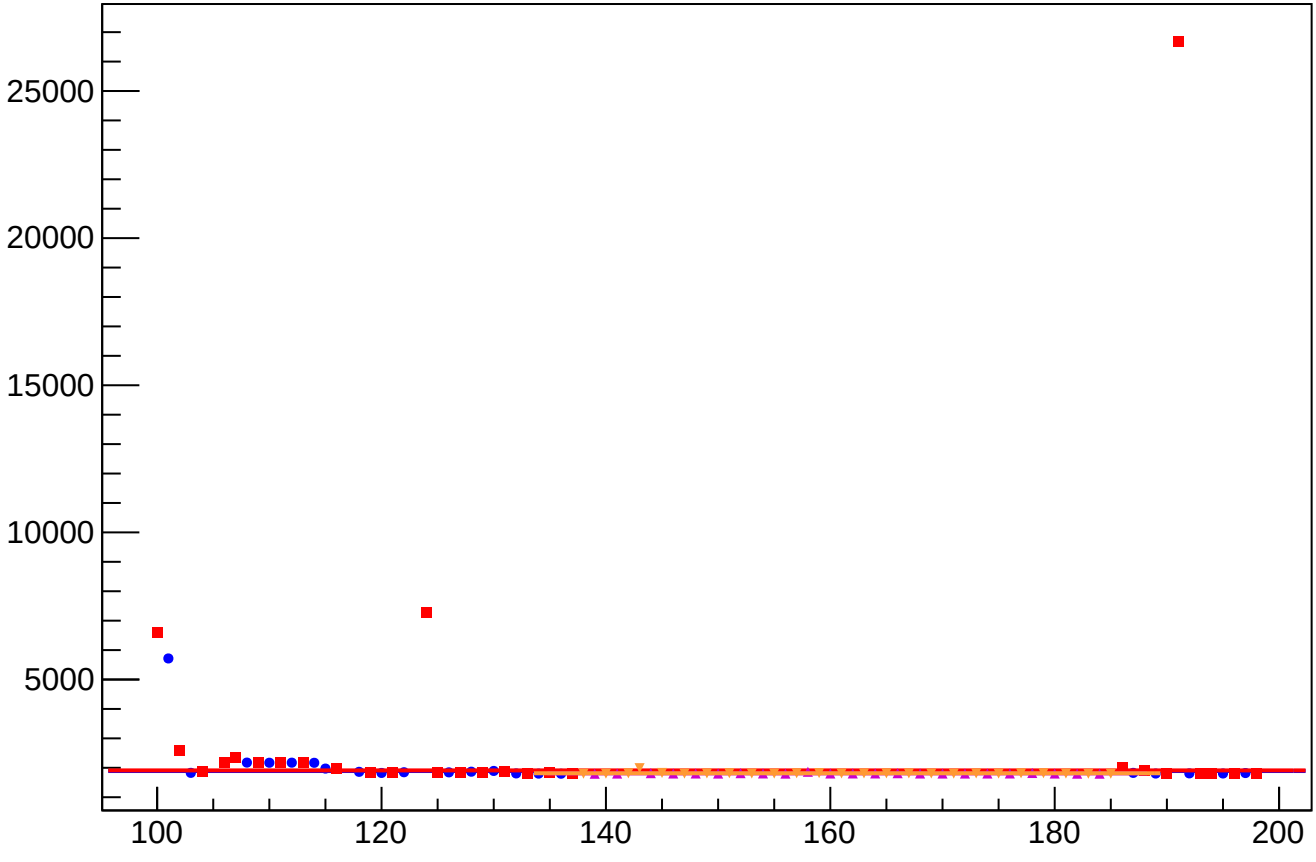
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -595.262+/-337.581 χ^2/NDF: 44.8/45

All: -61.900+/-237.538 χ^2/NDF: 99.2/95

- sign 461.154+/-334.303 χ^2/NDF: 49.5/49

reg_asym_at1_dd_rms vs Slug



Right In: 1890.325+/-0.416 χ^2/NDF: 659854.2/20

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1911.474+/-0.386 χ^2/NDF: 728030.2/26

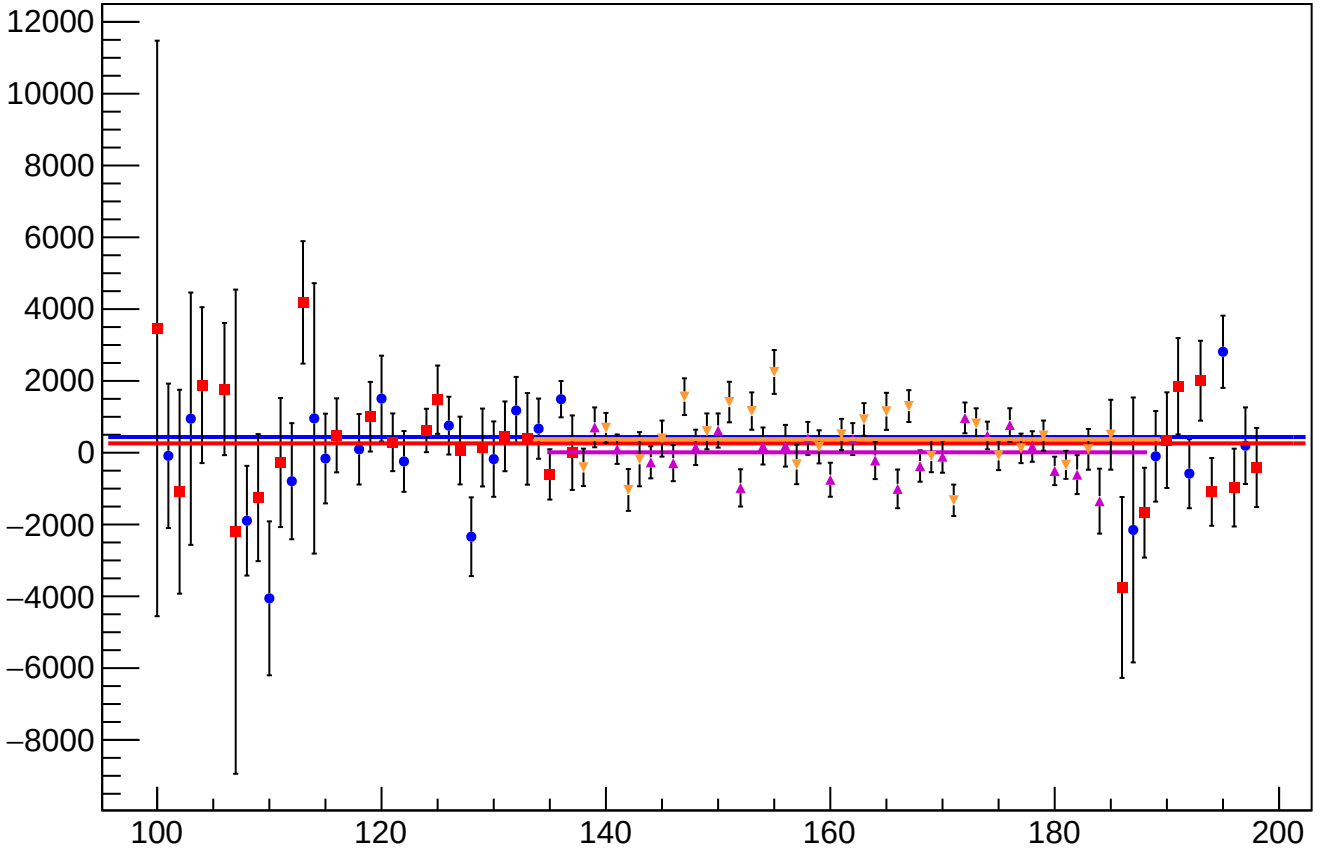
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.425+/-0.239 χ^2/NDF: 695280.2/45

All: 1843.903+/-0.168 χ^2/NDF: 1468753.9/95

- sign 1848.293+/-0.236 χ^2/NDF: 772777.0/49

asym_at1_dd_reg_correction_mean vs Slug



Right In: 436.824+/-231.879 χ^2/NDF: 28.6/20

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 261.063+/-217.365 χ^2/NDF: 24.7/26

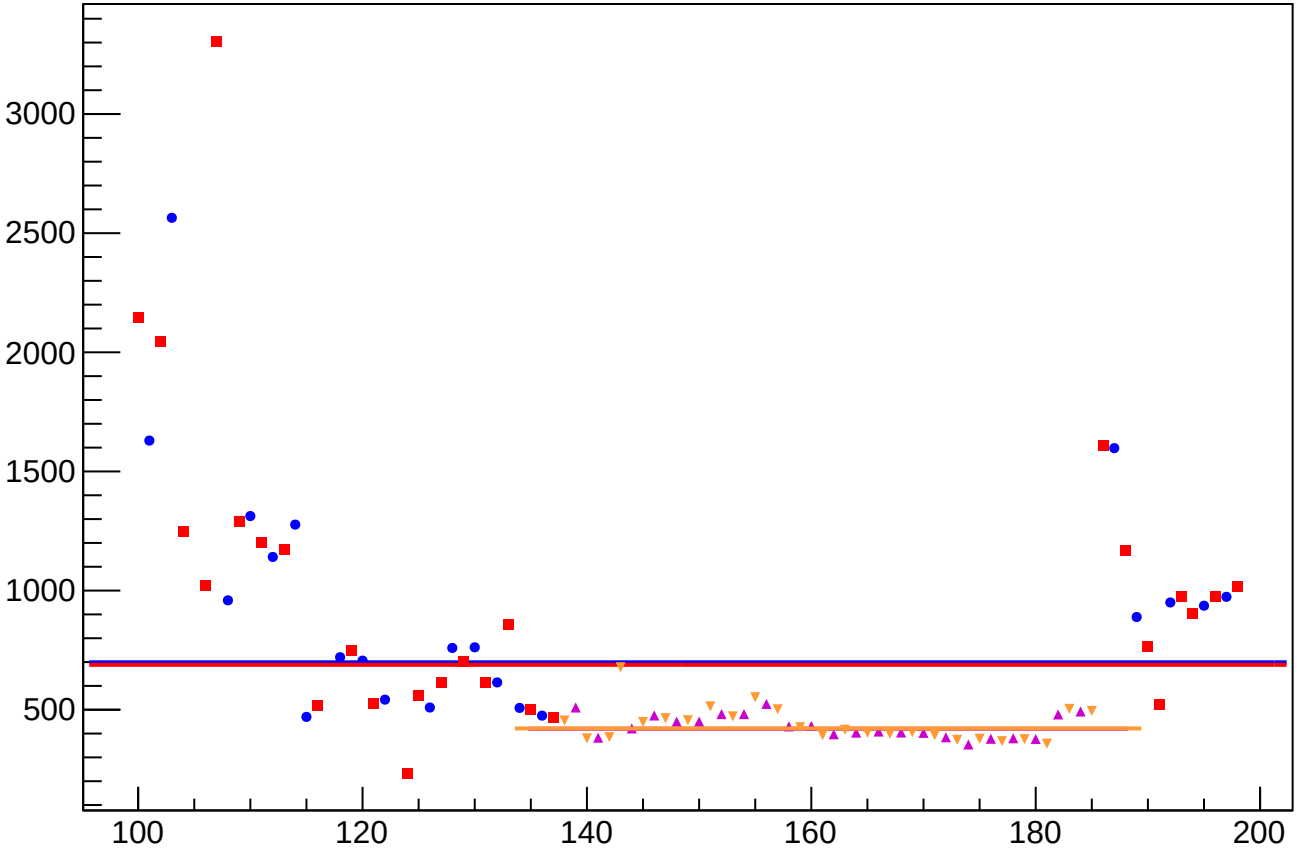
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 387.914+/-89.496 χ^2/NDF: 90.9/45

All: 222.227+/-63.488 χ^2/NDF: 154.7/95

- sign 54.381+/-90.077 χ^2/NDF: 56.9/49

asym_at1_dd_reg_correction_rms vs Slug



Right In: 698.975+/-0.164 χ^2/NDF: 2726827.2/20

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

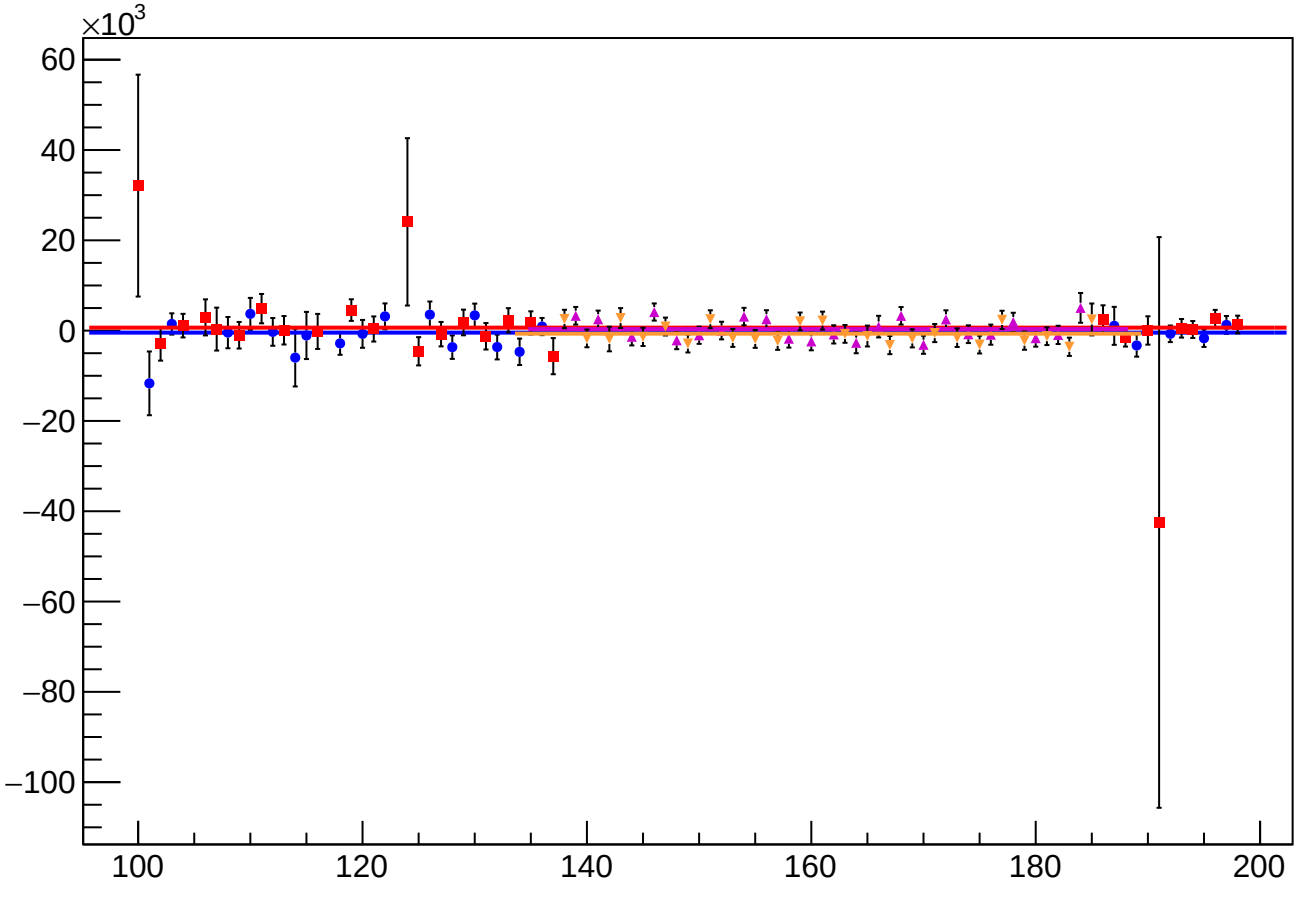
Right Out: 688.427+/-0.154 χ^2/NDF: 4342571.3/26

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 462.763+/-0.063 χ^2/NDF: 5908601.2/45

All: 464.511+/-0.045 χ^2/NDF: 13187891.9/95

- sign 466.282+/-0.064 χ^2/NDF: 7277755.0/49



Right In: -442.487+/-588.277 χ^2/NDF: 19.9/20

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 661.155+/-546.681 χ^2/NDF: 19.3/26

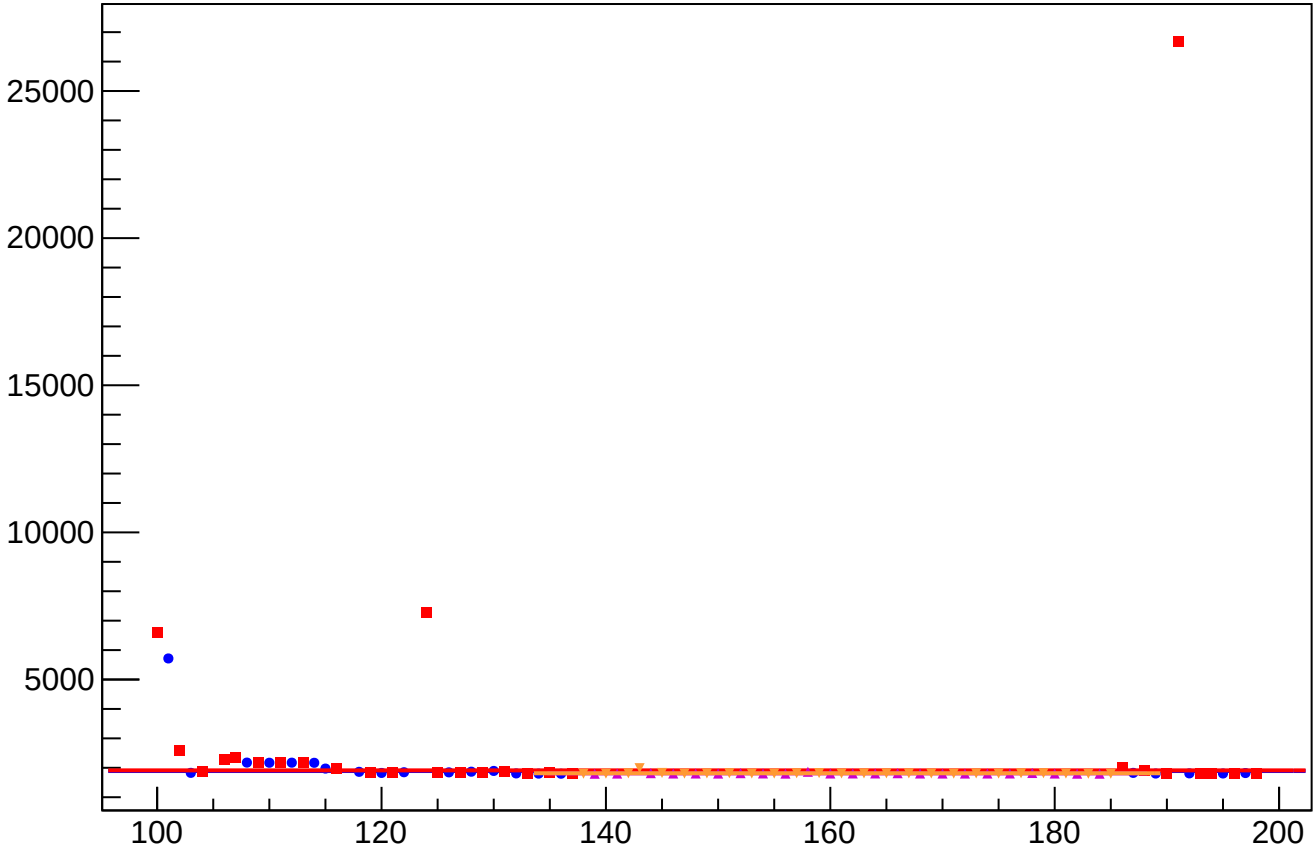
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -595.101+/-337.581 χ^2/NDF: 44.8/45

All: -61.533+/-237.575 χ^2/NDF: 99.3/95

\- sign 462.039+/-334.404 χ^2/NDF: 49.6/49

cor_asym_at1_dd_rms vs Slug



Right In: 1890.325+/-0.416 χ^2/NDF: 659854.1/20

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1912.567+/-0.387 χ^2/NDF: 733717.6/26

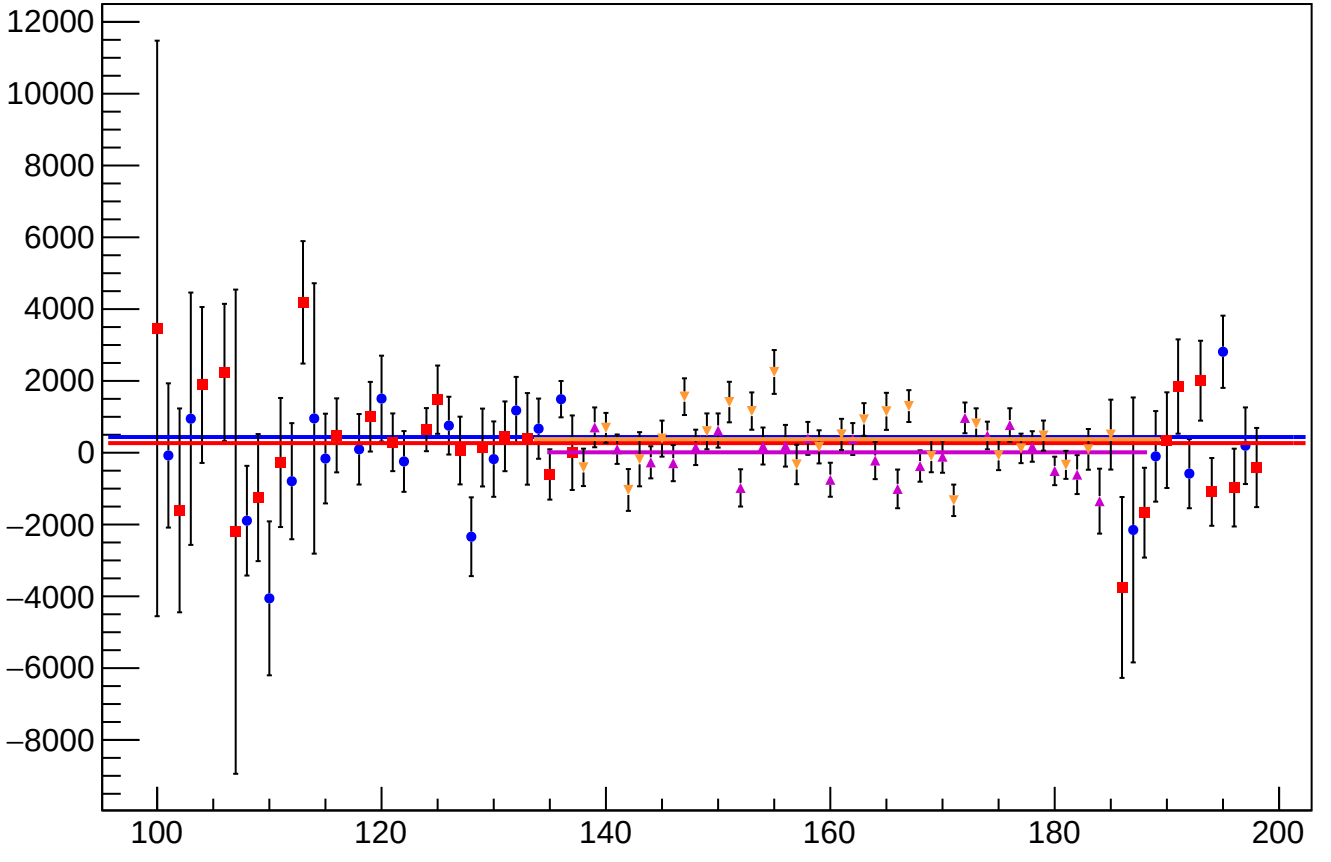
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.425+/-0.239 χ^2/NDF: 695280.1/45

All: 1844.089+/-0.168 χ^2/NDF: 1475387.5/95

- sign 1848.664+/-0.236 χ^2/NDF: 779351.4/49

asym_at1_dd_cor_correction_mean vs Slug



Right In: 436.836+/-231.872 χ^2/NDF: 28.6/20

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 267.662+/-217.149 χ^2/NDF: 25.4/26

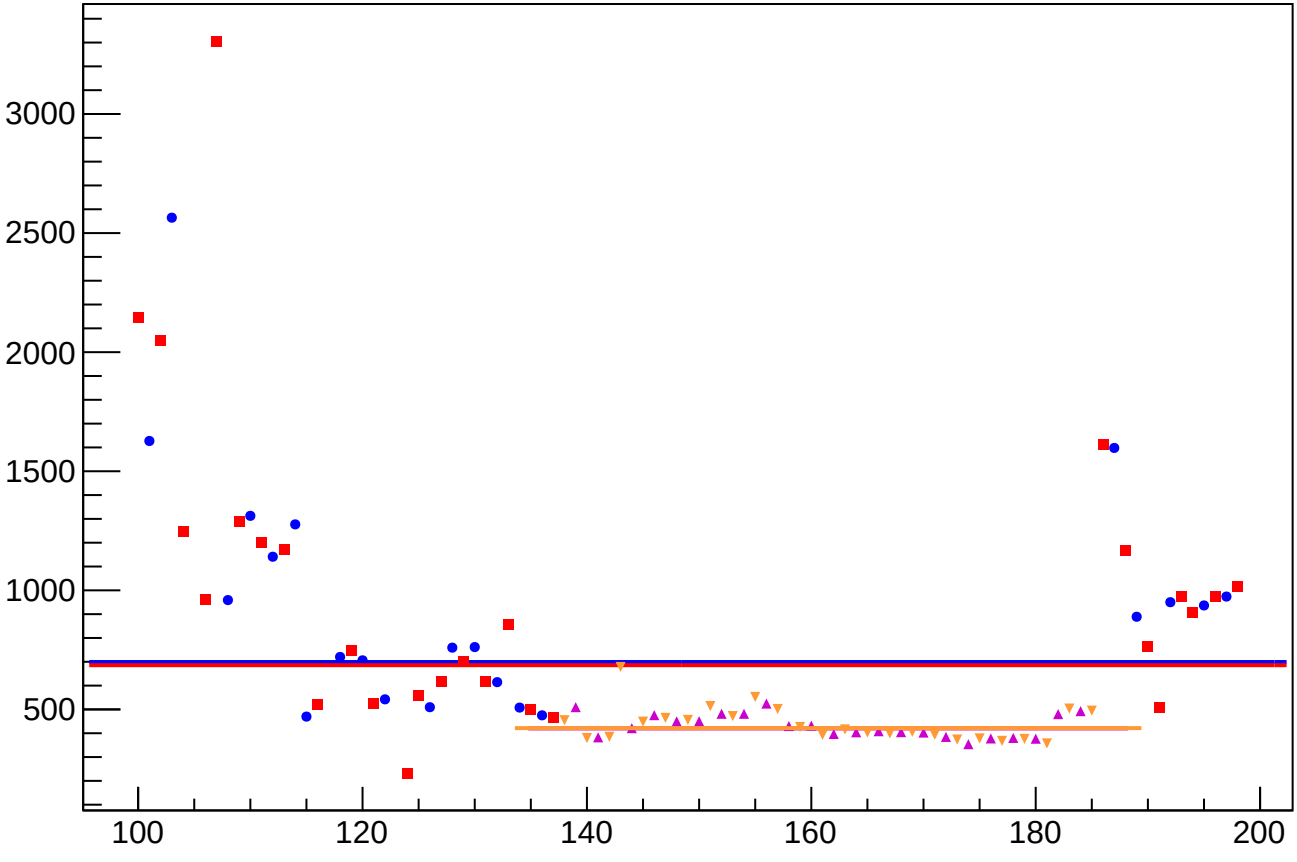
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

\+ sign 387.908+/-89.496 χ^2/NDF: 90.9/45

All: 222.798+/-63.482 χ^2/NDF: 155.5/95

\- sign 55.596+/-90.061 χ^2/NDF: 57.7/49

asym_at1_dd_cor_correction_rms vs Slug



Right In: 698.970+/-0.164 χ^2/NDF: 2726003.1/20

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 685.717+/-0.154 χ^2/NDF: 4351833.7/26

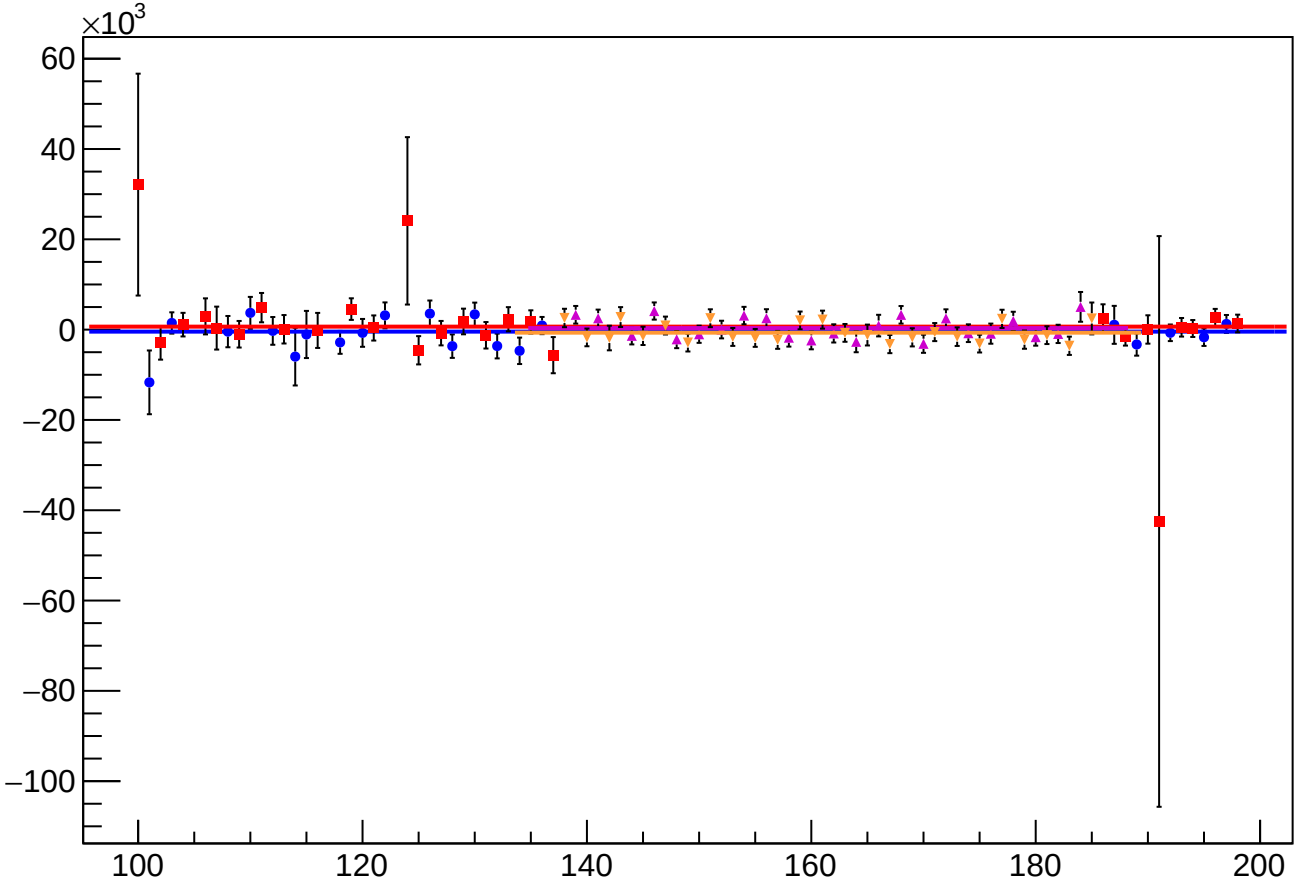
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 462.768+/-0.063 χ^2/NDF: 5907705.2/45

All: 464.318+/-0.045 χ^2/NDF: 13149410.0/95

- sign 465.887+/-0.064 χ^2/NDF: 7240497.5/49

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -442.487+/-588.277 χ^2/NDF: 19.9/20

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 661.155+/-546.681 χ^2/NDF: 19.3/26

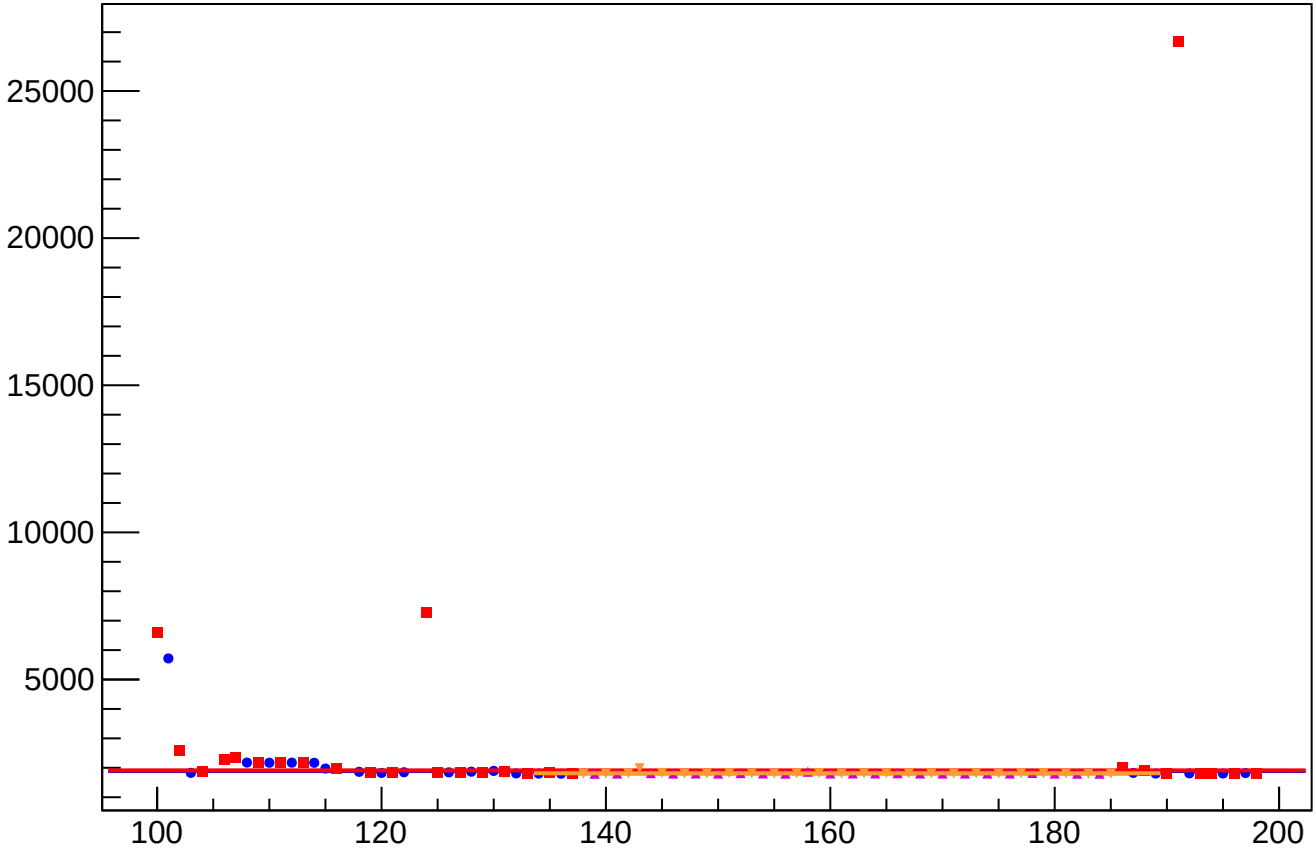
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -595.101+/-337.581 χ^2/NDF: 44.8/45

All: -61.533+/-237.575 χ^2/NDF: 99.3/95

- sign 462.039+/-334.404 χ^2/NDF: 49.6/49

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1890.325+/-0.416 χ^2/NDF: 659854.1/20

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

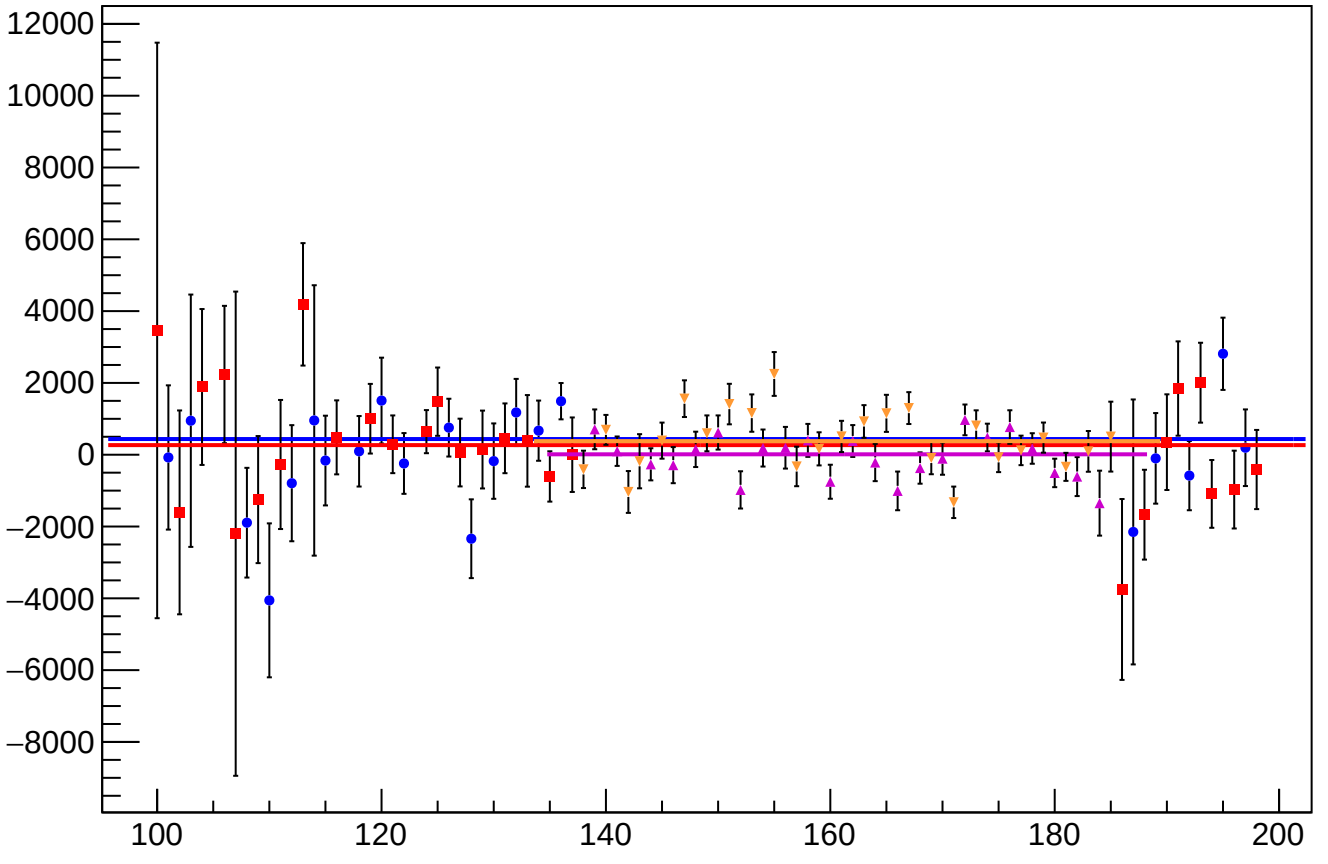
Right Out: 1912.567+/-0.387 χ^2/NDF: 733717.6/26

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.425+/-0.239 χ^2/NDF: 695280.1/45

All: 1844.089+/-0.168 χ^2/NDF: 1475387.5/95

- sign 1848.664+/-0.236 χ^2/NDF: 779351.4/49



Right In: 436.836+/-231.872 χ^2/NDF: 28.6/20

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

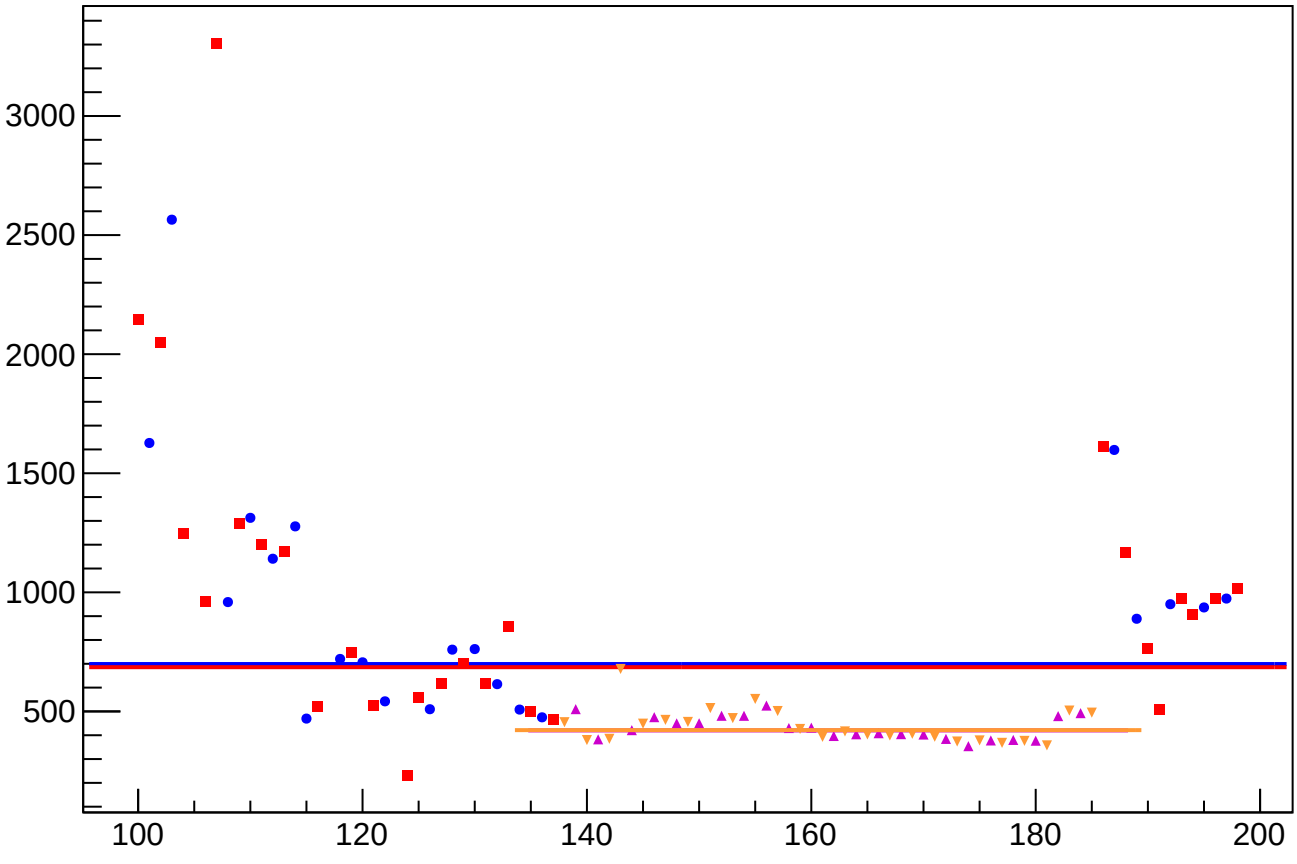
Right Out: 267.662+/-217.149 χ^2/NDF: 25.4/26

Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

\+ sign 387.908+/-89.496 χ^2/NDF: 90.9/45

All: 222.798+/-63.482 χ^2/NDF: 155.5/95

\- sign 55.596+/-90.061 χ^2/NDF: 57.7/49



Right In: 698.970+/-0.164 χ^2/NDF: 2726003.1/20

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 685.717+/-0.154 χ^2/NDF: 4351833.7/26

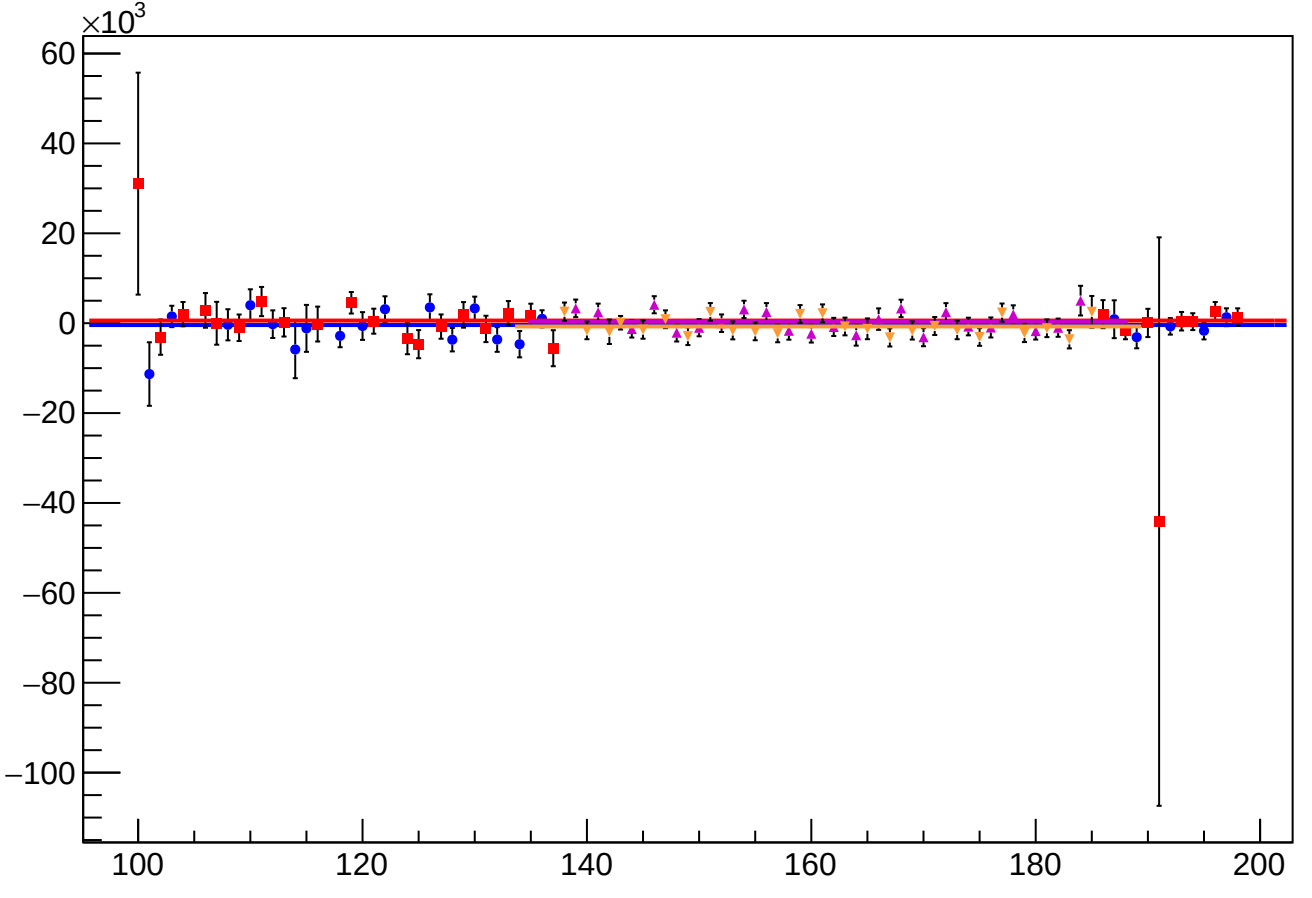
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 462.768+/-0.063 χ^2/NDF: 5907705.2/45

All: 464.318+/-0.045 χ^2/NDF: 13149410.0/95

- sign 465.887+/-0.064 χ^2/NDF: 7240497.5/49

dit_asym_at1_dd_mean vs Slug



Right In: -411.536+/-588.997 χ^2/NDF: 19.7/20

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 586.035+/-542.196 χ^2/NDF: 19.0/26

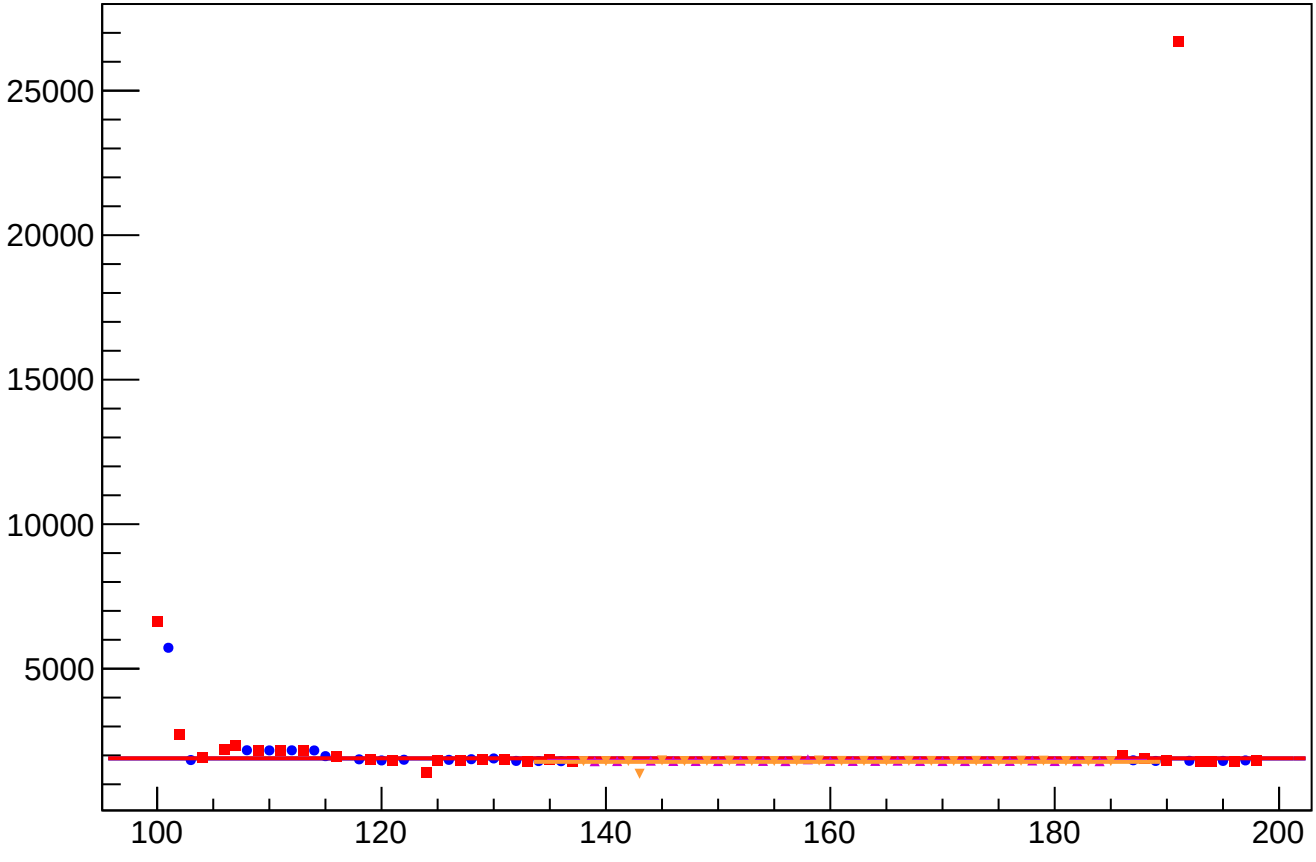
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -624.246+/-333.394 χ^2/NDF: 42.1/45

All: -95.291+/-235.762 χ^2/NDF: 95.8/95

- sign 433.812+/-333.441 χ^2/NDF: 48.7/49

dit_asym_at1_dd_rms vs Slug



Right In: 1892.464+/-0.416 χ^2/NDF: 659395.6/20

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1899.643+/-0.383 χ^2/NDF: 615895.6/26

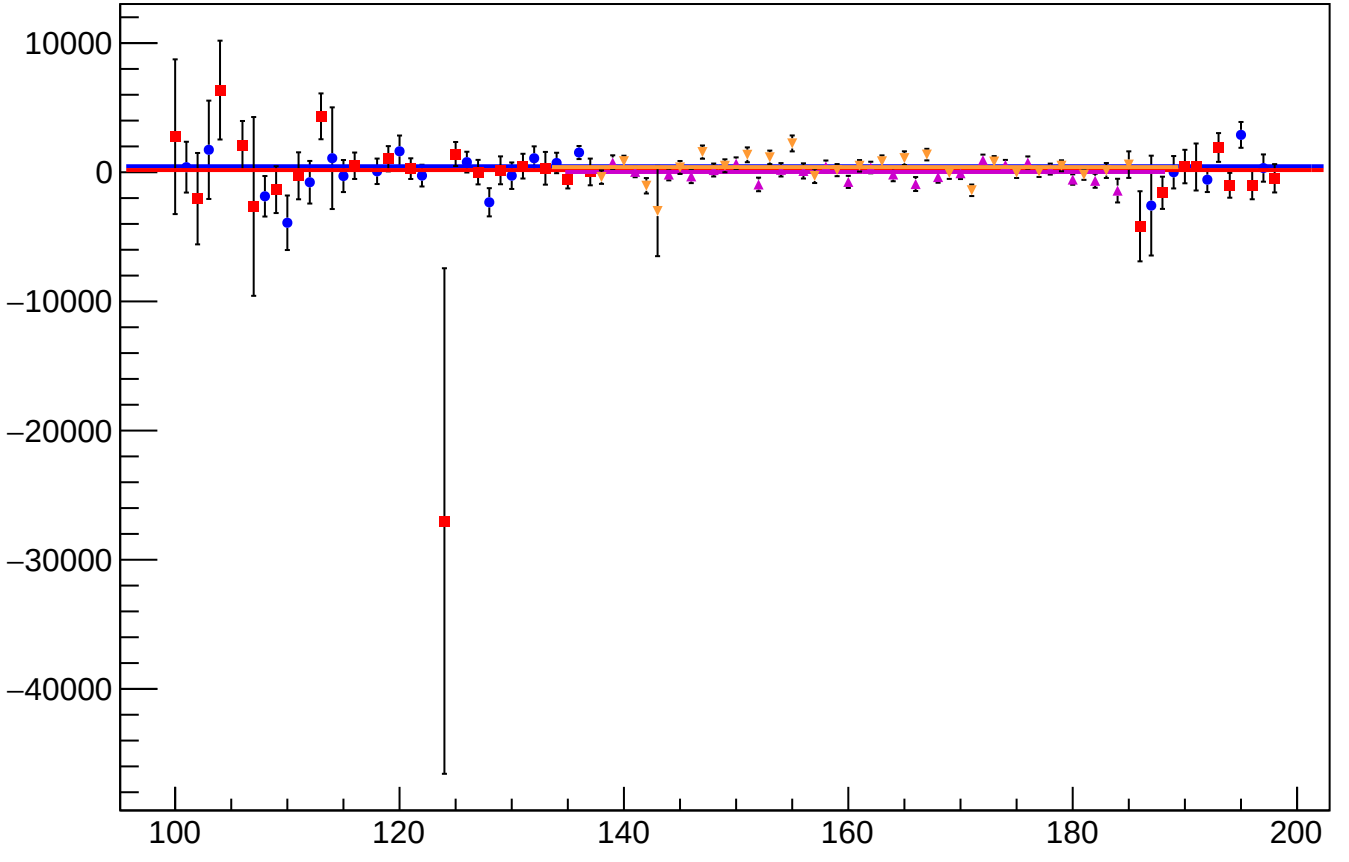
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.805+/-0.236 χ^2/NDF: 873177.3/45

All: 1829.189+/-0.167 χ^2/NDF: 1532733.1/95

- sign 1844.577+/-0.236 χ^2/NDF: 651037.8/49

asym_at1_dd_dit_correction_mean vs Slug



Right In: 465.014+/-230.249 χ^2/NDF: 29.4/20

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 169.996+/-235.531 χ^2/NDF: 26.6/26

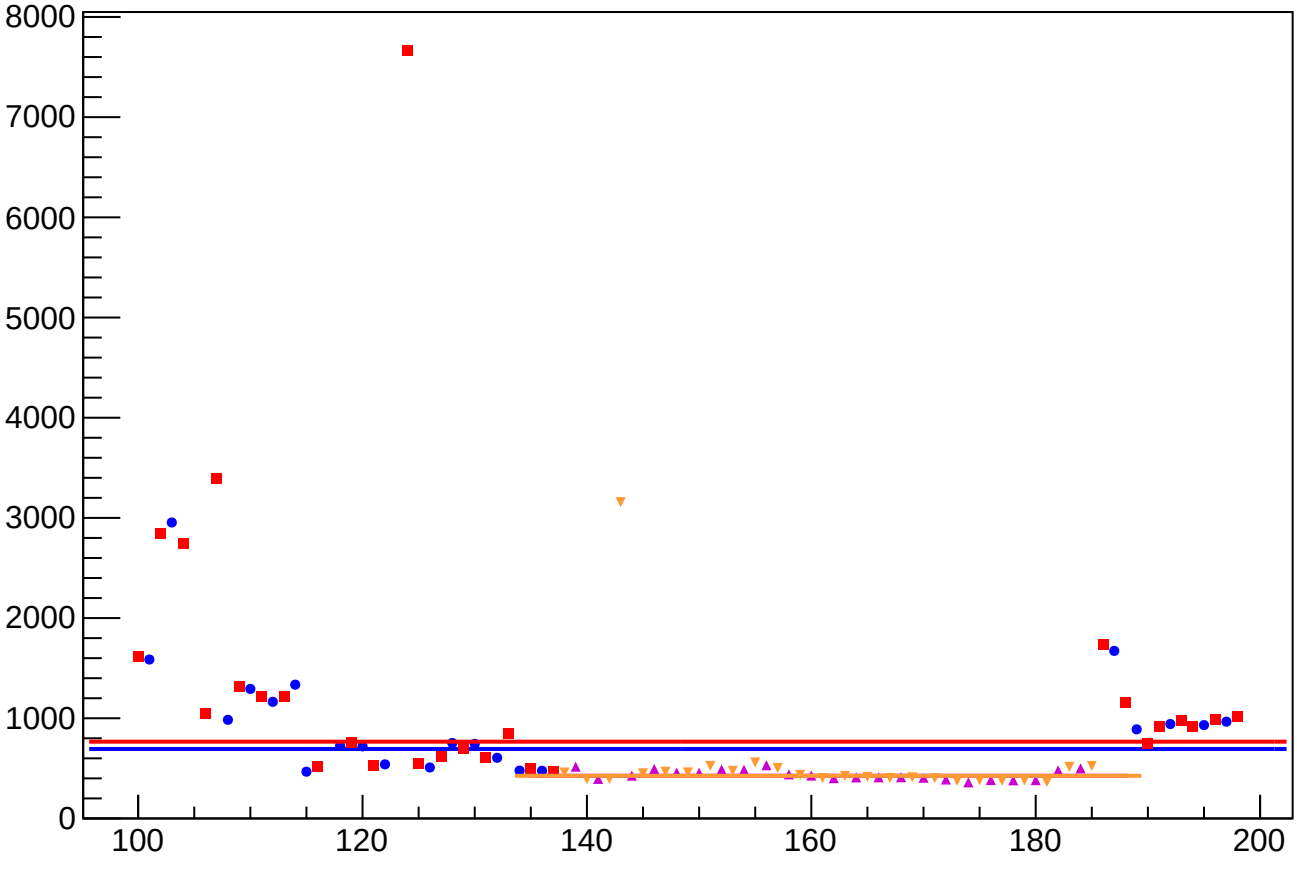
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 408.712+/-91.077 χ^2/NDF: 89.9/45

All: 228.815+/-64.813 χ^2/NDF: 155.6/95

- sign 44.241+/-92.253 χ^2/NDF: 57.7/49

asym_at1_dd_dit_correction_rms vs Slug



Right In: 693.432+/-0.163 χ^2/NDF: 2911712.4/20

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

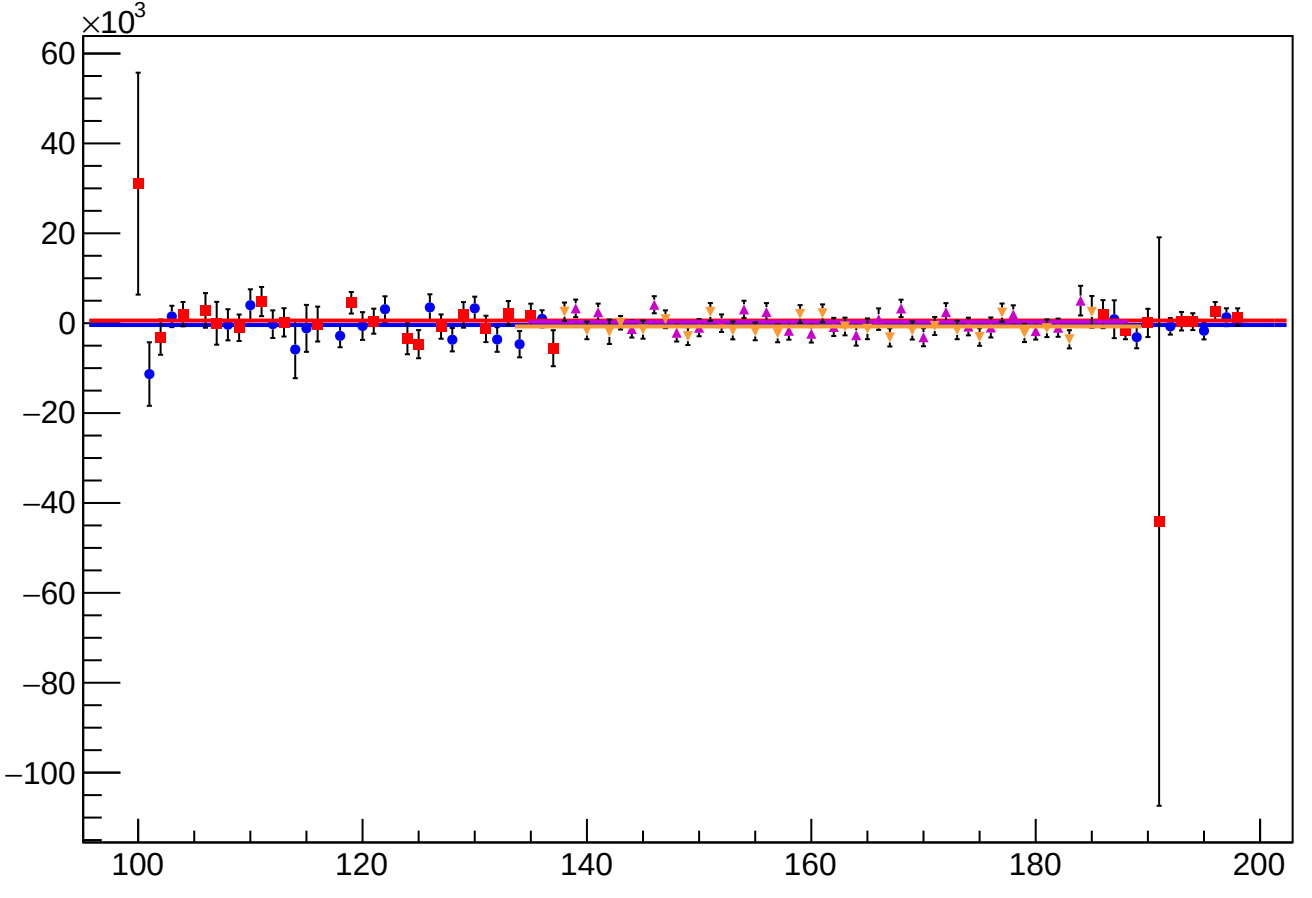
Right Out: 766.424+/-0.167 χ^2/NDF: 4050246.4/26

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 467.588+/-0.064 χ^2/NDF: 6910977.6/45

All: 472.899+/-0.046 χ^2/NDF: 14924495.0/95

- sign 478.348+/-0.065 χ^2/NDF: 7999739.6/49



Right In: -411.537+/-588.997 χ^2/NDF: 19.7/20

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 586.034+/-542.196 χ^2/NDF: 19.0/26

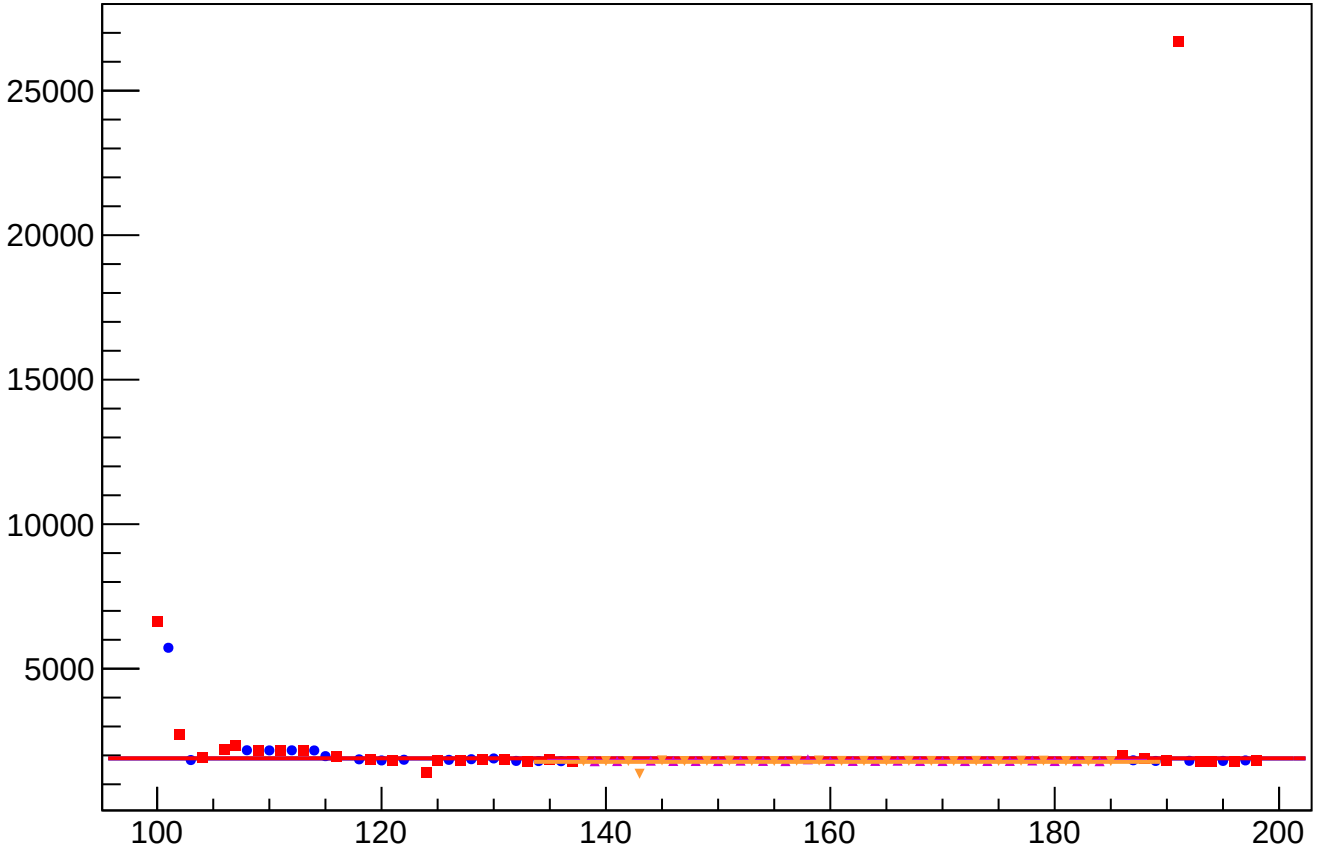
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

\+ sign -624.247+/-333.394 χ^2/NDF: 42.1/45

All: -95.292+/-235.762 χ^2/NDF: 95.8/95

\- sign 433.811+/-333.441 χ^2/NDF: 48.7/49

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1892.464+/-0.416 χ^2/NDF: 659395.7/20

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1899.643+/-0.383 χ^2/NDF: 615895.4/26

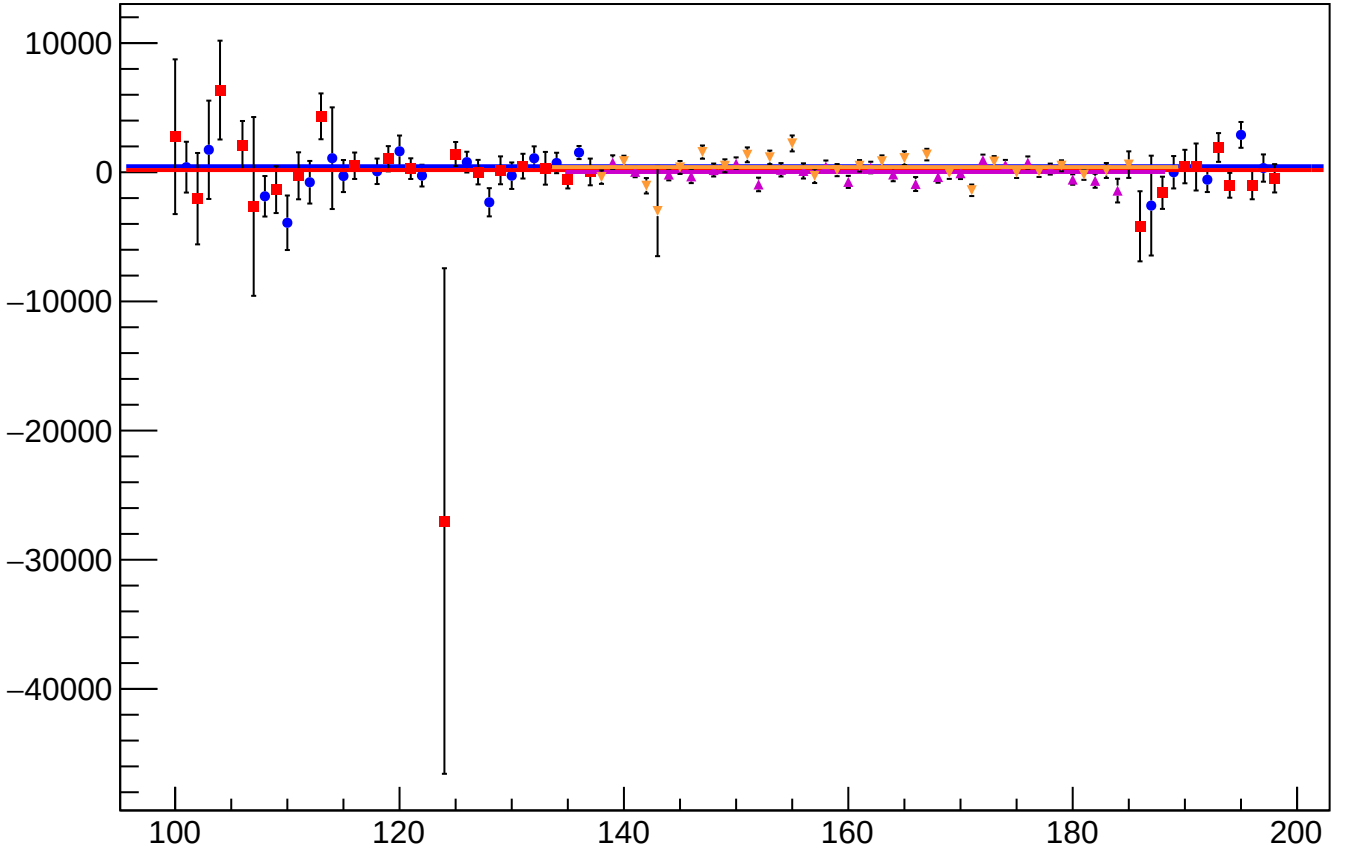
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.805+/-0.236 χ^2/NDF: 873177.3/45

All: 1829.189+/-0.167 χ^2/NDF: 1532732.9/95

- sign 1844.577+/-0.236 χ^2/NDF: 651037.6/49

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 465.012+/-230.249 χ^2/NDF: 29.4/20

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 169.996+/-235.531 χ^2/NDF: 26.6/26

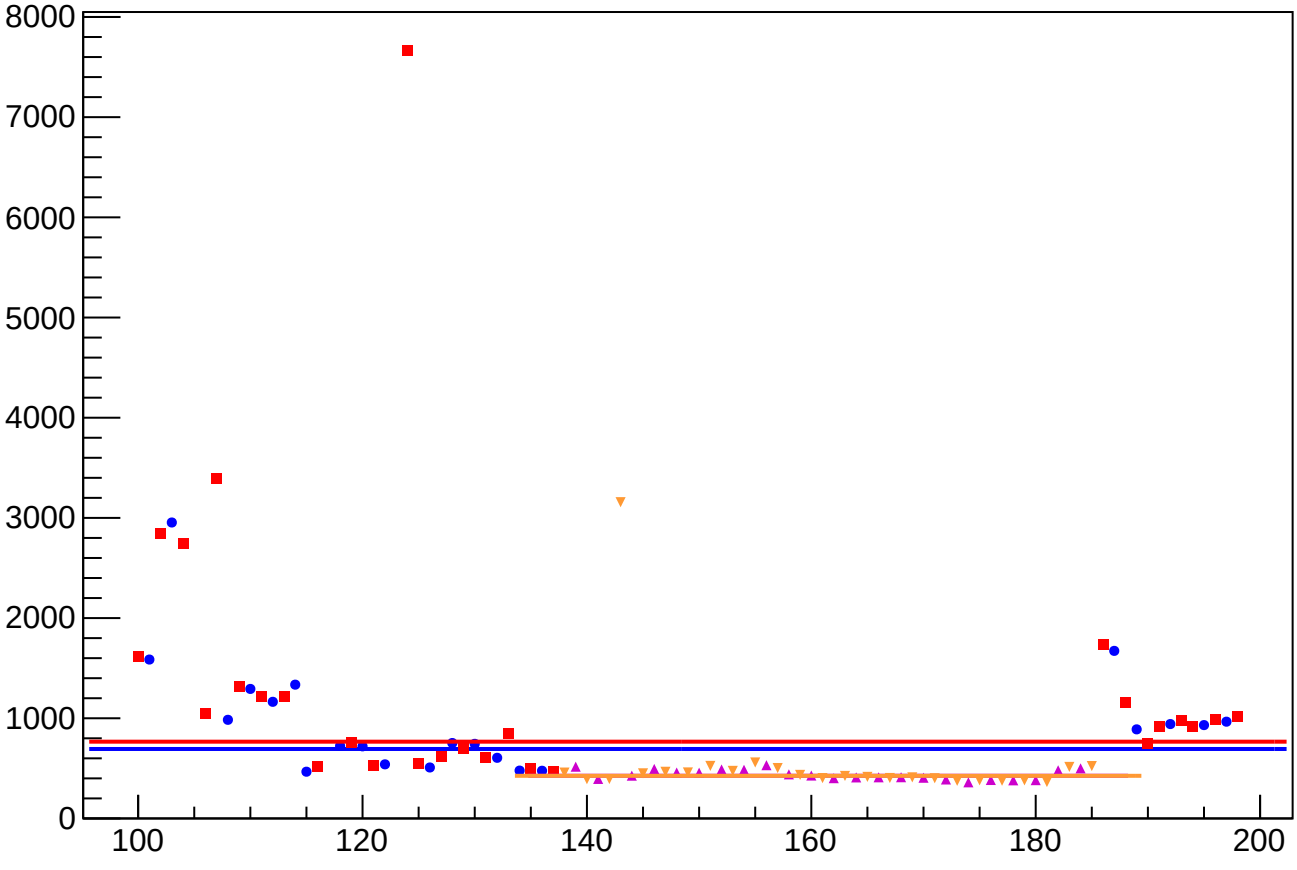
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 408.711+/-91.077 χ^2/NDF: 89.9/45

All: 228.814+/-64.813 χ^2/NDF: 155.6/95

- sign 44.241+/-92.253 χ^2/NDF: 57.7/49

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 693.432+/-0.163 χ^2/NDF: 2911713.4/20

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

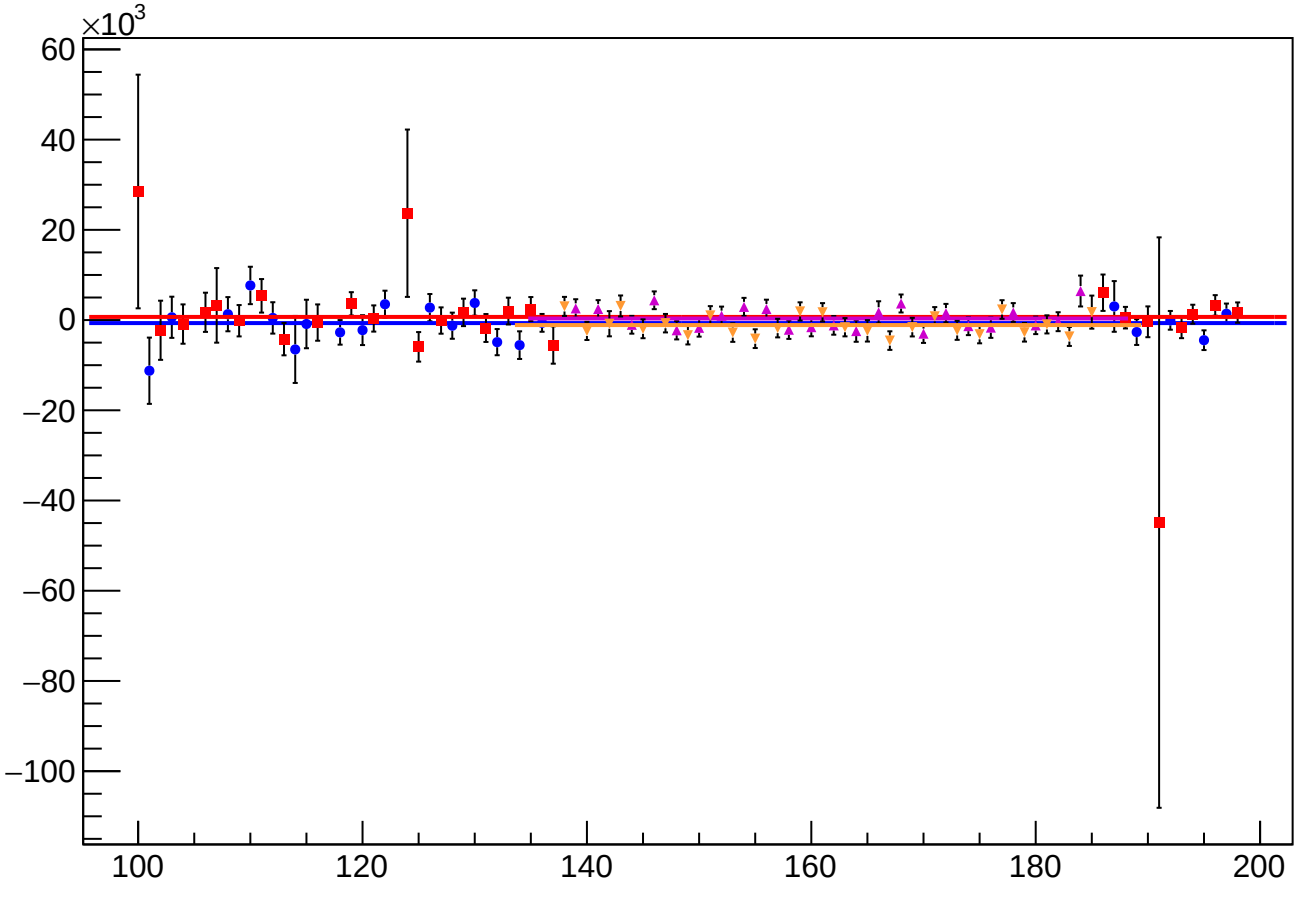
Right Out: 766.424+/-0.167 χ^2/NDF: 4050249.8/26

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 467.588+/-0.064 χ^2/NDF: 6910984.1/45

All: 472.899+/-0.046 χ^2/NDF: 14924510.1/95

- sign 478.348+/-0.065 χ^2/NDF: 7999748.0/49



Right In: -667.530+/-660.158 χ^2/NDF: 23.3/20

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 698.104+/-624.133 χ^2/NDF: 20.8/26

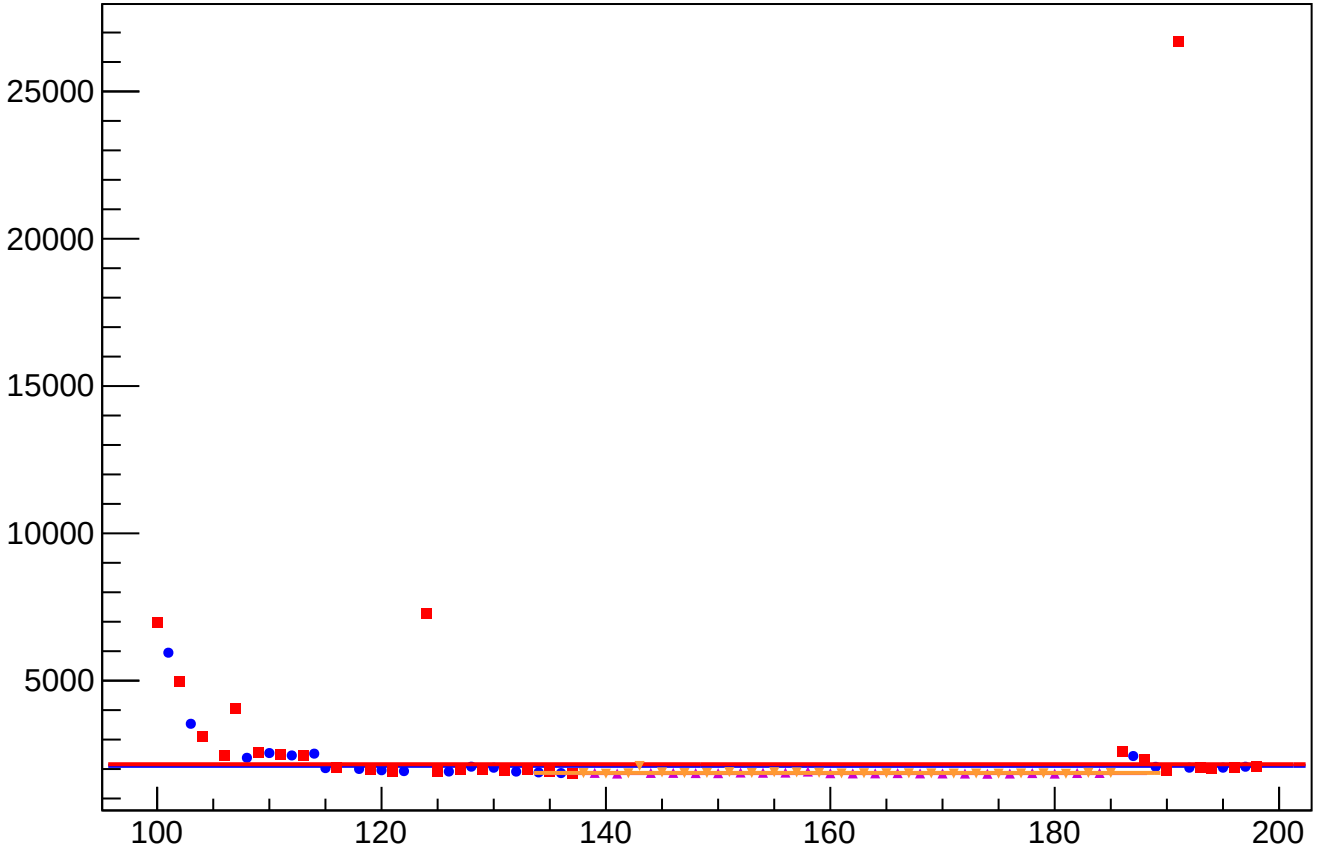
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

\+ sign -977.524+/-357.141 χ^2/NDF: 51.6/45

All: -257.300+/-252.432 χ^2/NDF: 109.5/95

\- sign 461.730+/-356.844 χ^2/NDF: 49.8/49

asym_at1_dd_rms vs Slug



Right In: 2108.864+/-0.467 χ^2/NDF: 887208.7/20

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2163.247+/-0.441 χ^2/NDF: 1308031.5/26

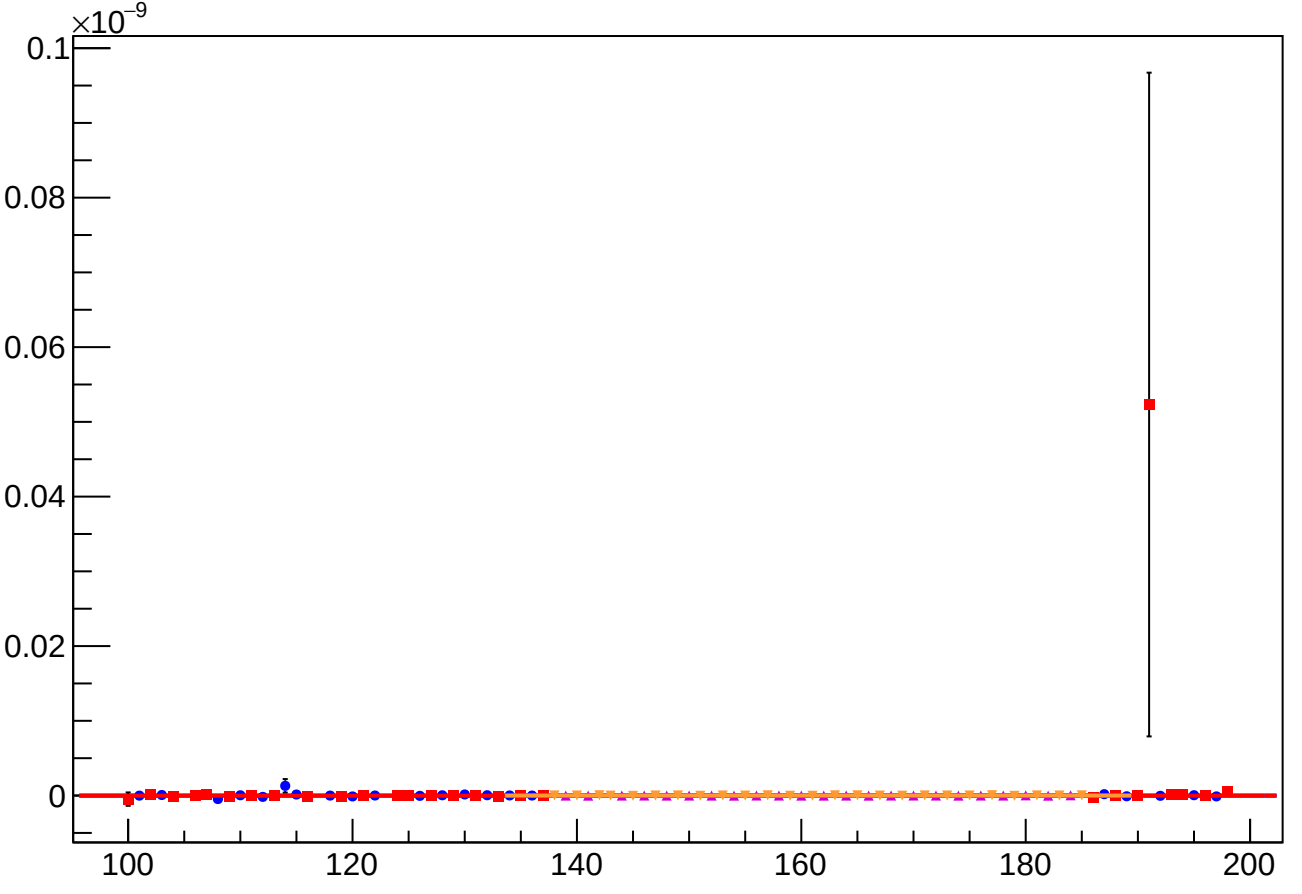
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1939.160+/-0.253 χ^2/NDF: 1097375.9/45

All: 1950.105+/-0.178 χ^2/NDF: 2723775.9/95

- sign 1961.033+/-0.252 χ^2/NDF: 1622646.0/49

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/26

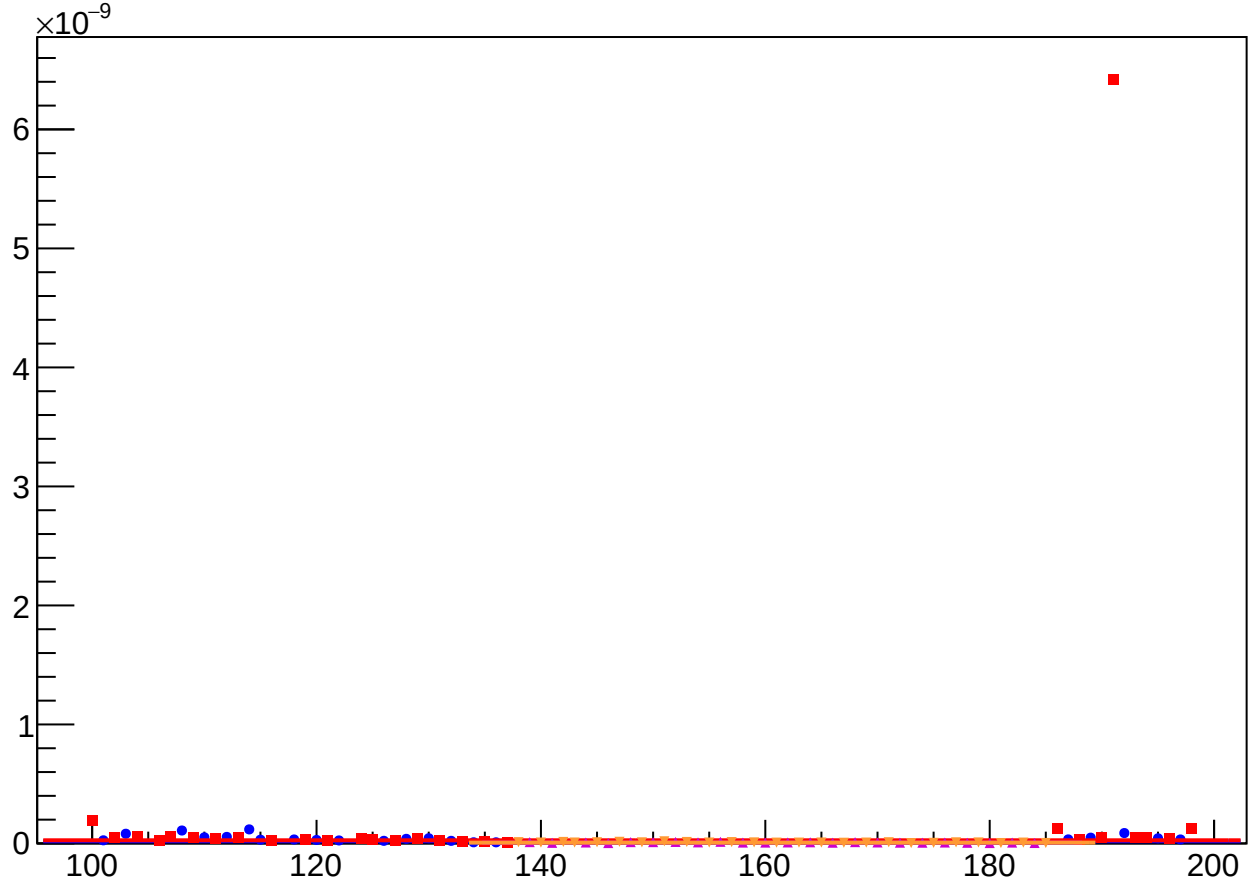
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.2/45

All: 0.000+/-0.000 χ^2/NDF: 110.6/95

- sign 0.000+/-0.000 χ^2/NDF: 45.7/49

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3367930.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2592770.8/26

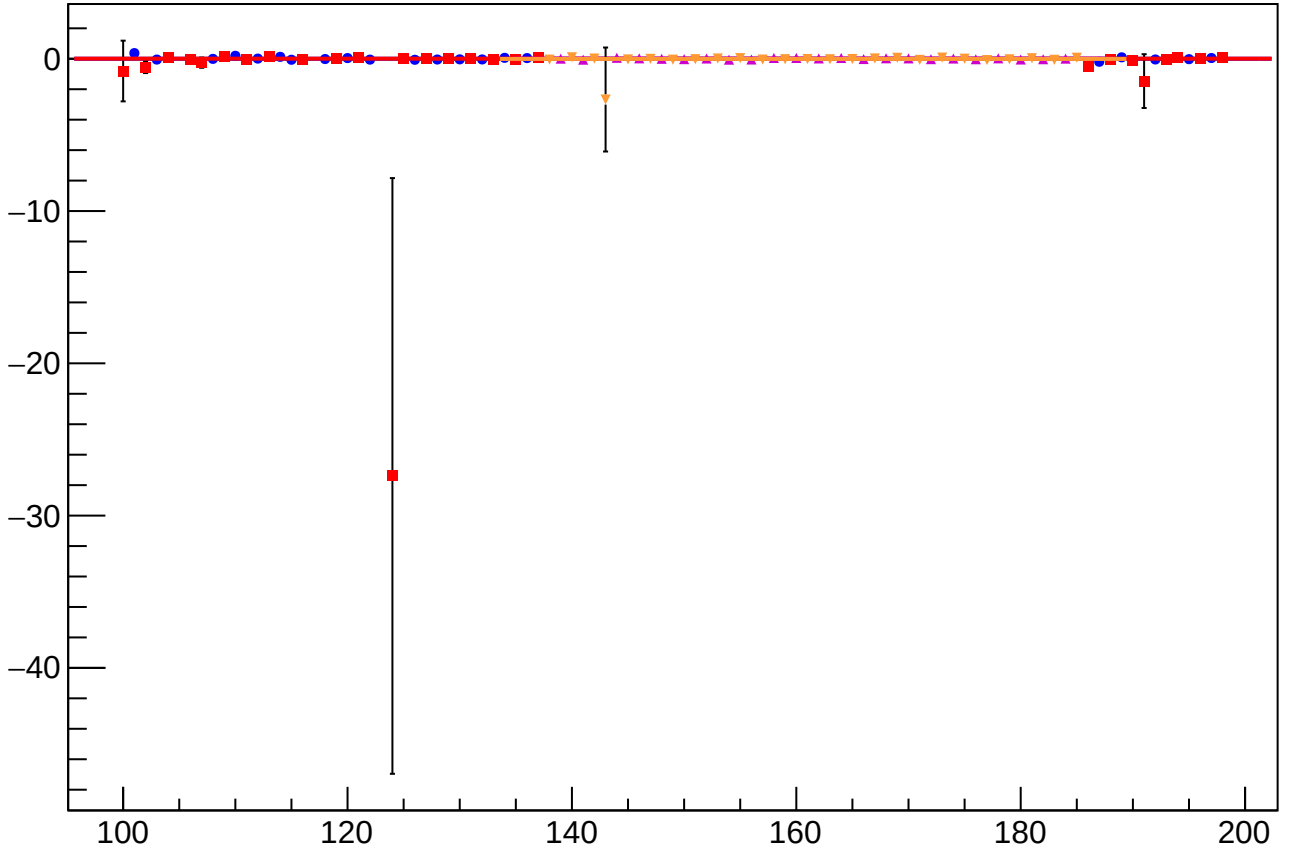
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7048820.1/45

All: 0.000+/-0.000 χ^2/NDF: 14643781.6/95

- sign 0.000+/-0.000 χ^2/NDF: 7591474.6/49

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.3/26

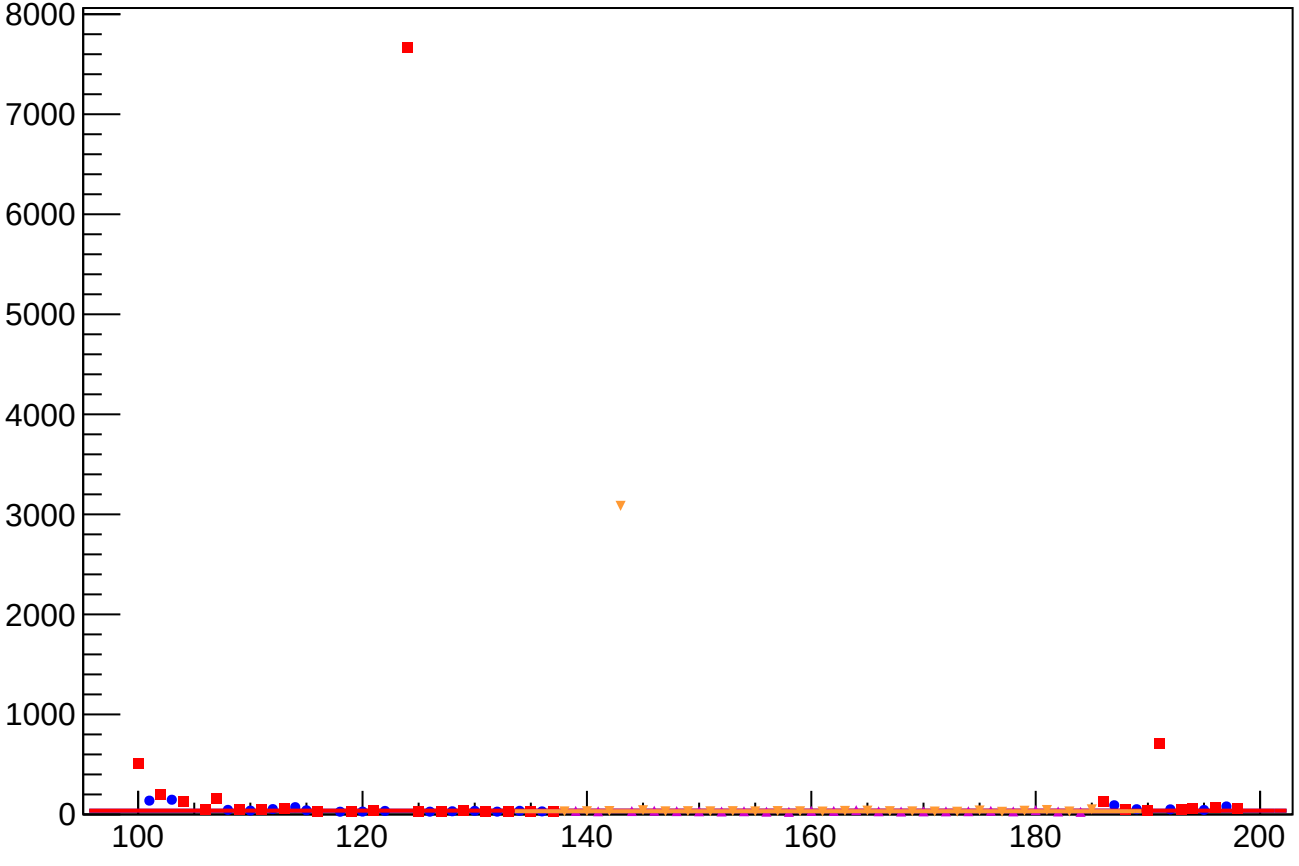
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 64.3/45

All: -0.001+/-0.005 χ^2/NDF: 111.8/95

- sign 0.004+/-0.007 χ^2/NDF: 46.2/49

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.327+/-0.010 χ^2/NDF: 2579448.0/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

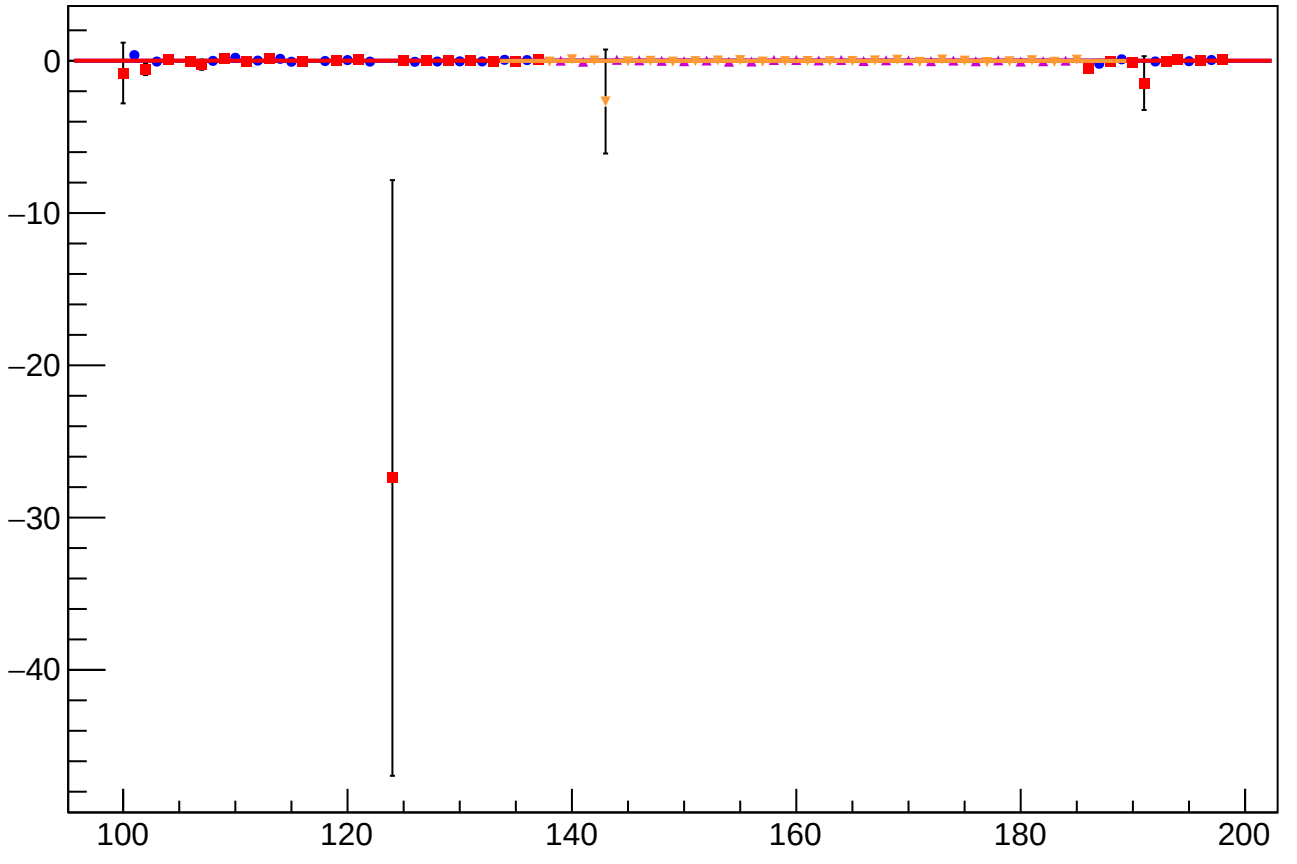
Right Out: 38.145+/-0.009 χ^2/NDF: 3801500.3/26

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.652+/-0.005 χ^2/NDF: 4905212.1/45

All: 33.863+/-0.004 χ^2/NDF: 9411775.2/95

- sign 34.073+/-0.005 χ^2/NDF: 4502940.7/49



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.3/26

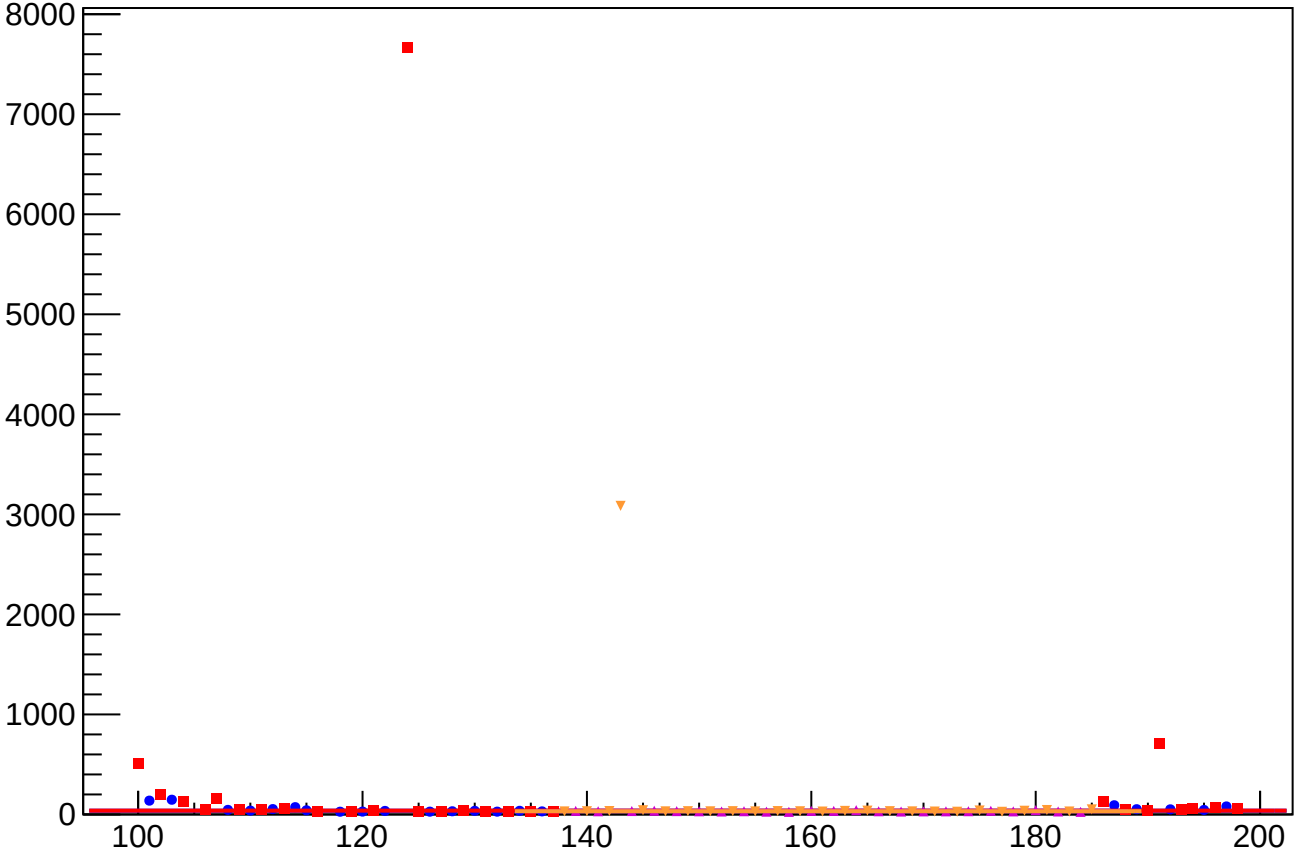
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 64.3/45

All: -0.001+/-0.005 χ^2/NDF: 111.8/95

\- sign 0.004+/-0.007 χ^2/NDF: 46.2/49

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.327+/-0.010 χ^2/NDF: 2579448.0/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

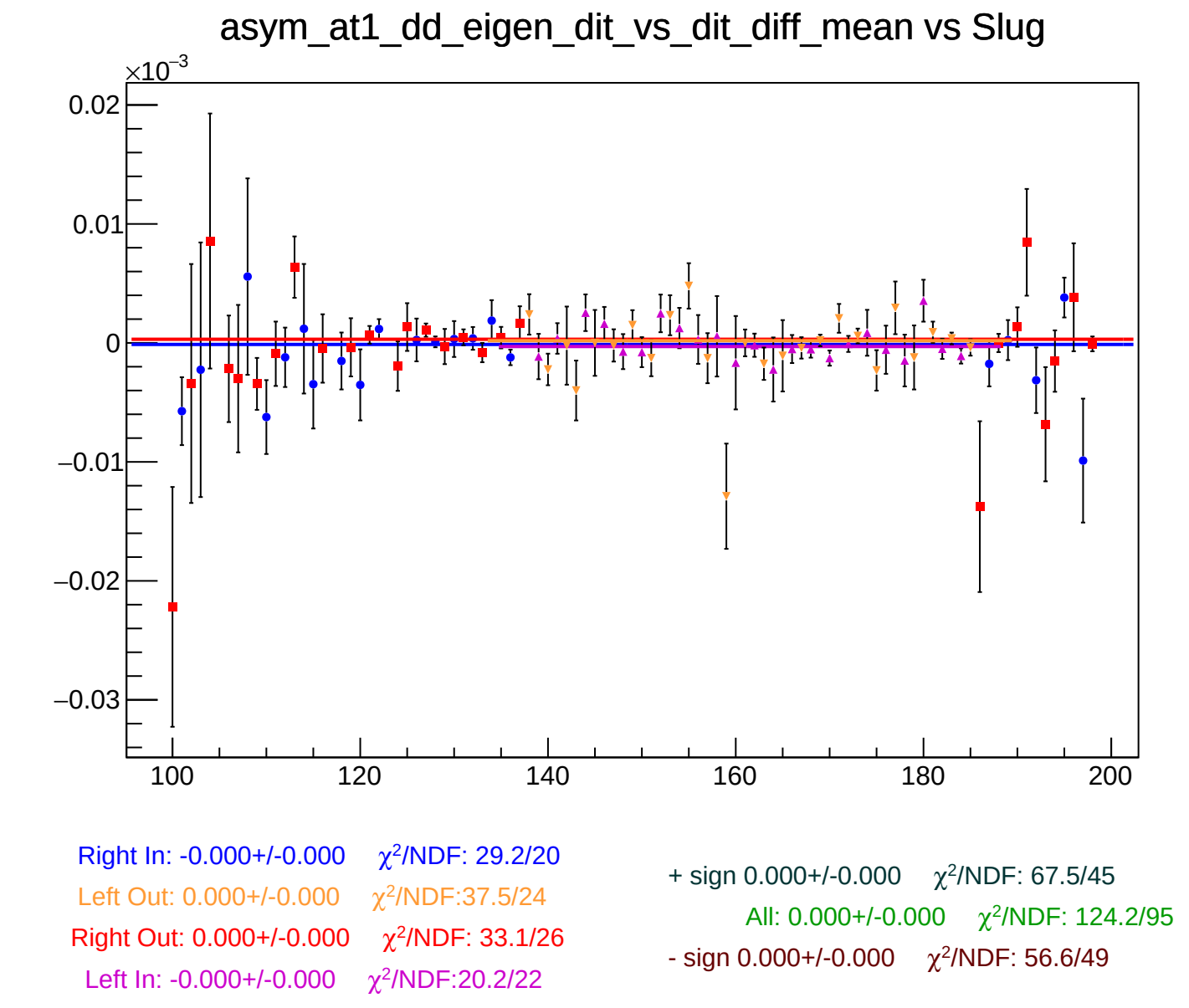
Right Out: 38.145+/-0.009 χ^2/NDF: 3801500.3/26

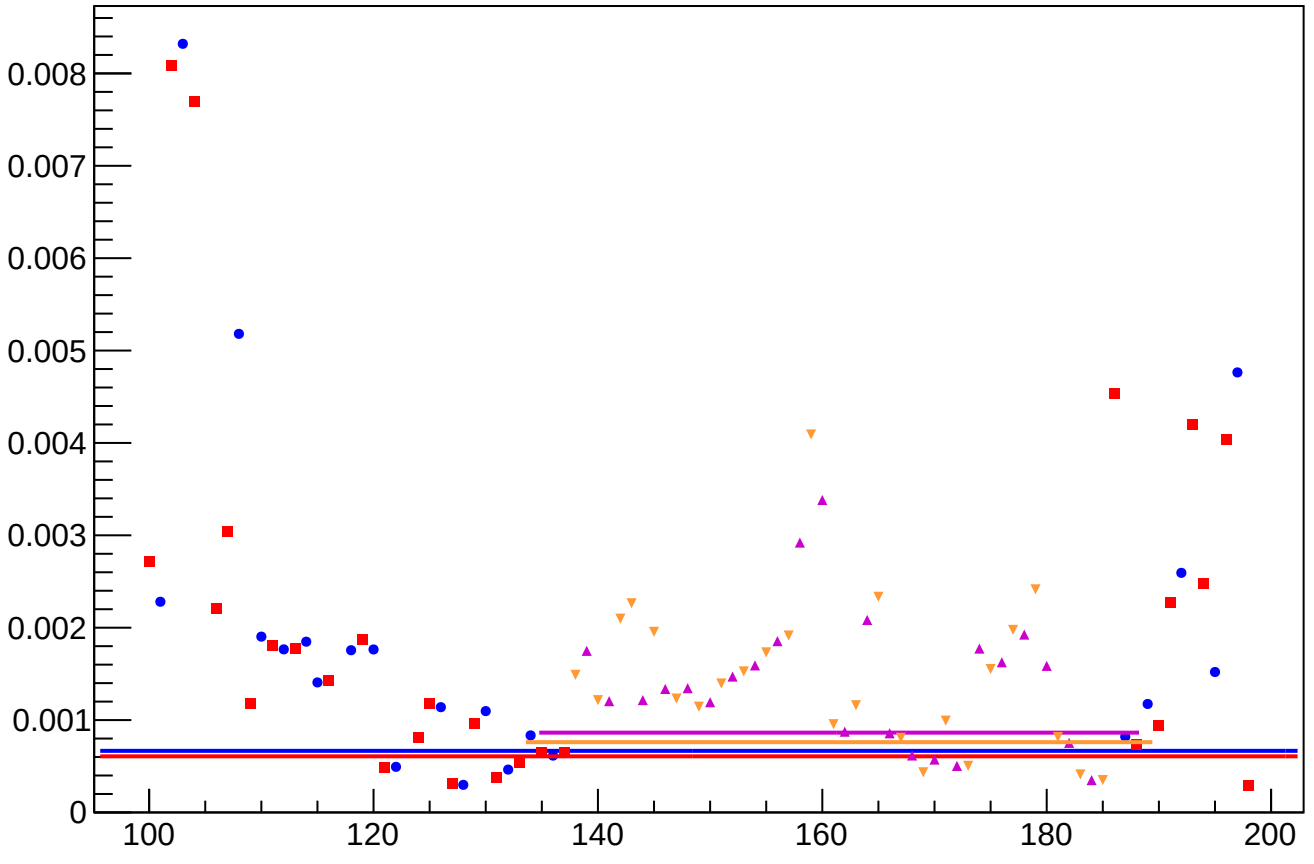
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.652+/-0.005 χ^2/NDF: 4905212.1/45

All: 33.863+/-0.004 χ^2/NDF: 9411775.2/95

- sign 34.073+/-0.005 χ^2/NDF: 4502940.7/49


asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.2/20
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.1/26
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign 0.000+/-0.000 χ²/NDF: 67.5/45
All: 0.000+/-0.000 χ²/NDF: 124.2/95
- sign 0.000+/-0.000 χ²/NDF: 56.6/49



Right In: 0.001+/-0.000 χ^2/NDF: 8564884.4/20

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

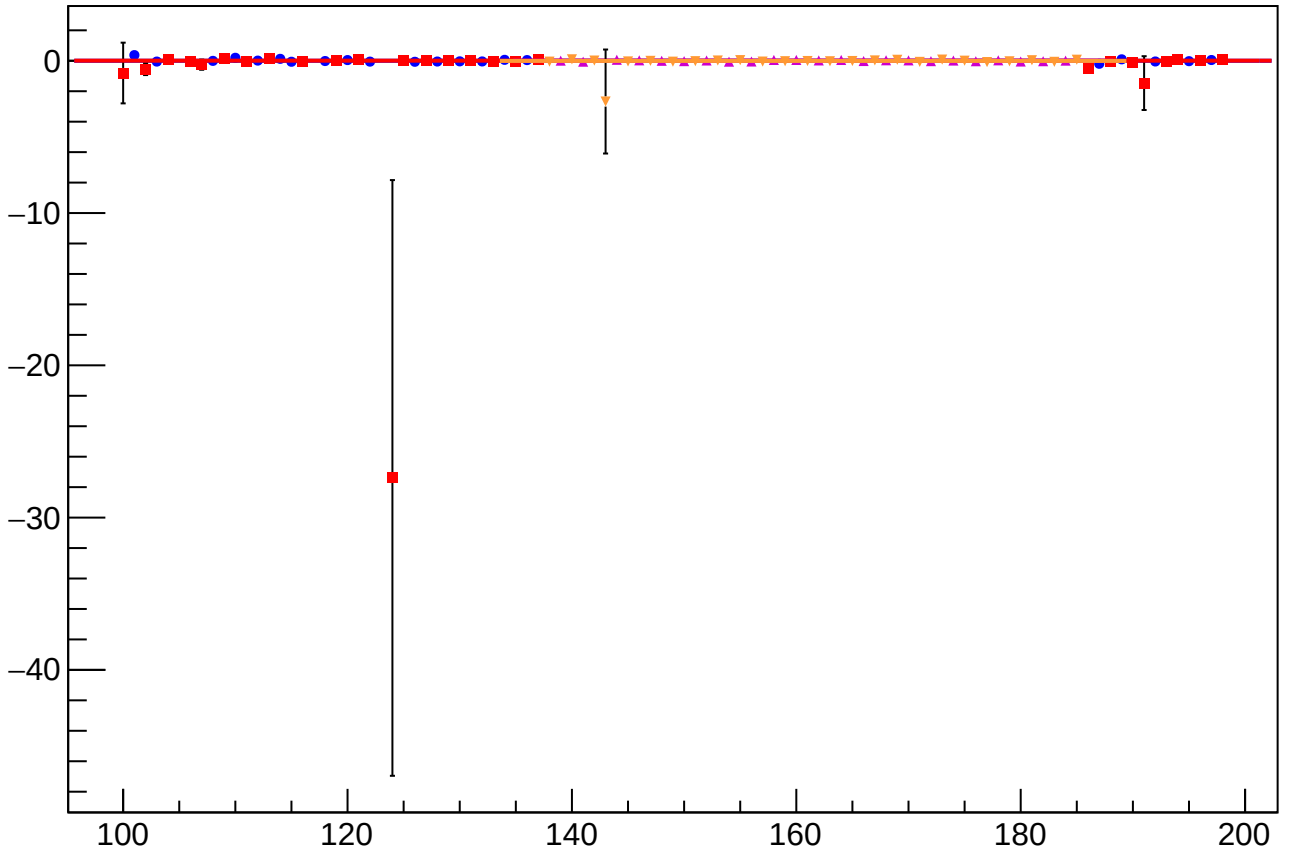
Right Out: 0.001+/-0.000 χ^2/NDF: 10271869.8/26

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19793436.0/45

All: 0.001+/-0.000 χ^2/NDF: 39650320.9/95

- sign 0.001+/-0.000 χ^2/NDF: 19853527.9/49



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.3/26

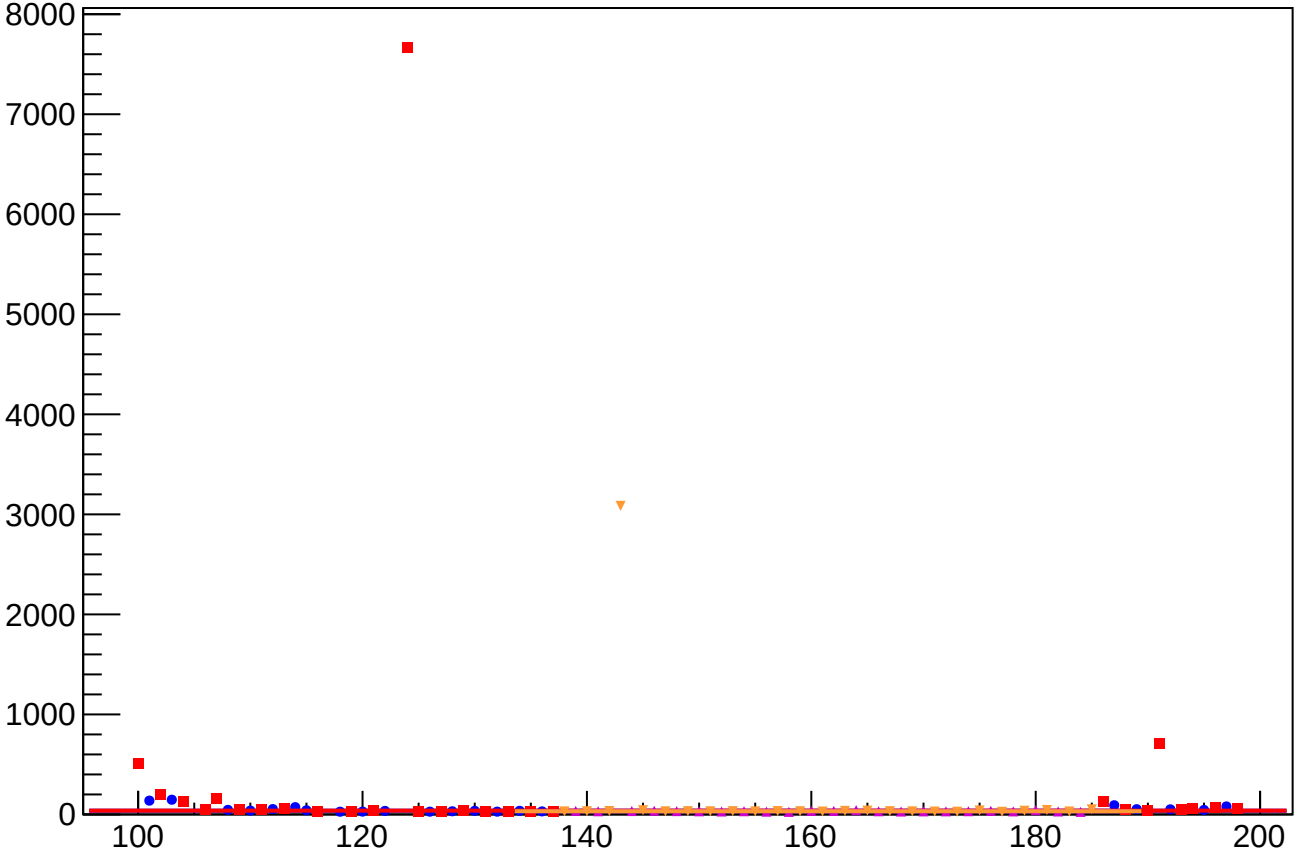
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 64.3/45

All: -0.001+/-0.005 χ^2/NDF: 111.8/95

- sign 0.004+/-0.007 χ^2/NDF: 46.2/49

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.327+/-0.010 χ^2/NDF: 2579414.7/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

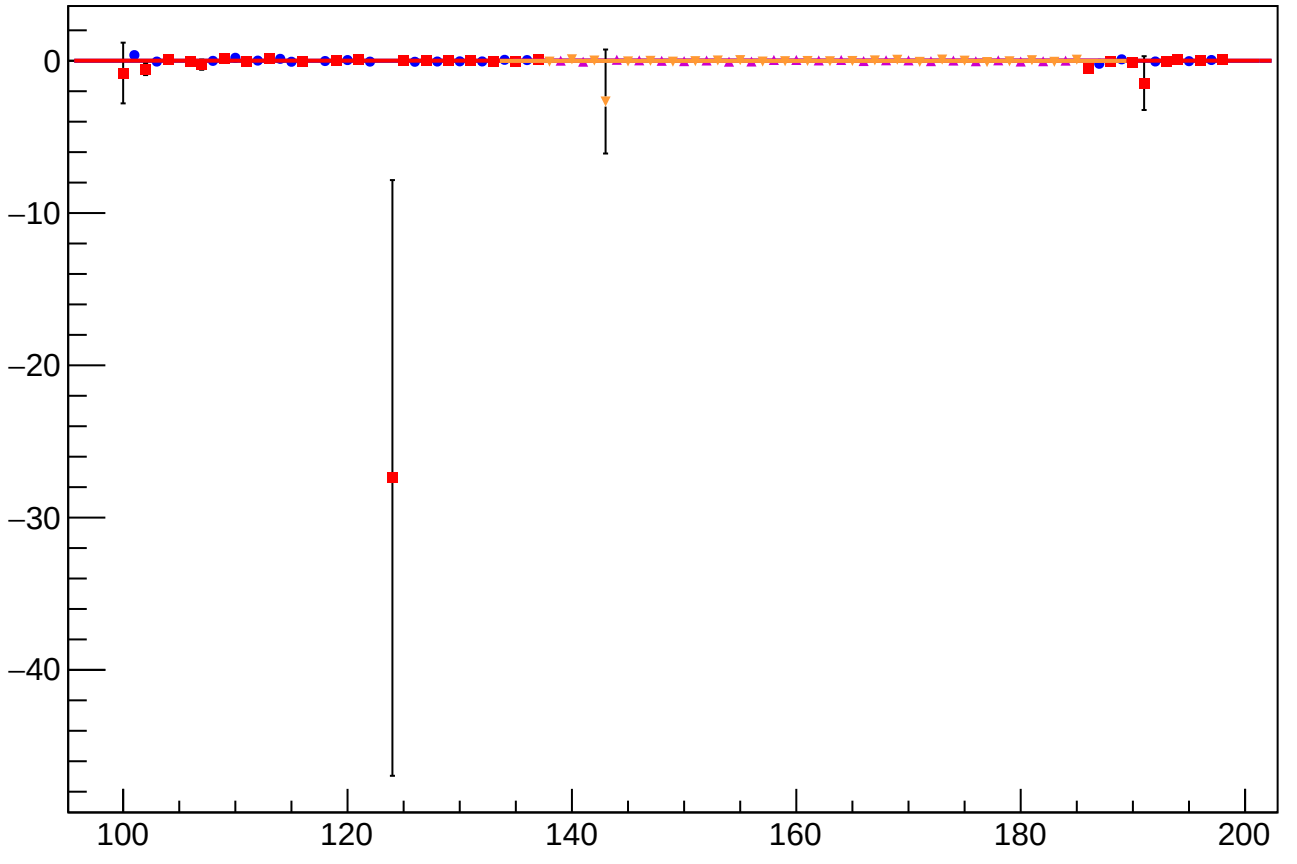
Right Out: 38.145+/-0.009 χ^2/NDF: 3801488.2/26

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.652+/-0.005 χ^2/NDF: 4905221.5/45

All: 33.864+/-0.004 χ^2/NDF: 9411659.0/95

- sign 34.073+/-0.005 χ^2/NDF: 4502811.1/49



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.3/26

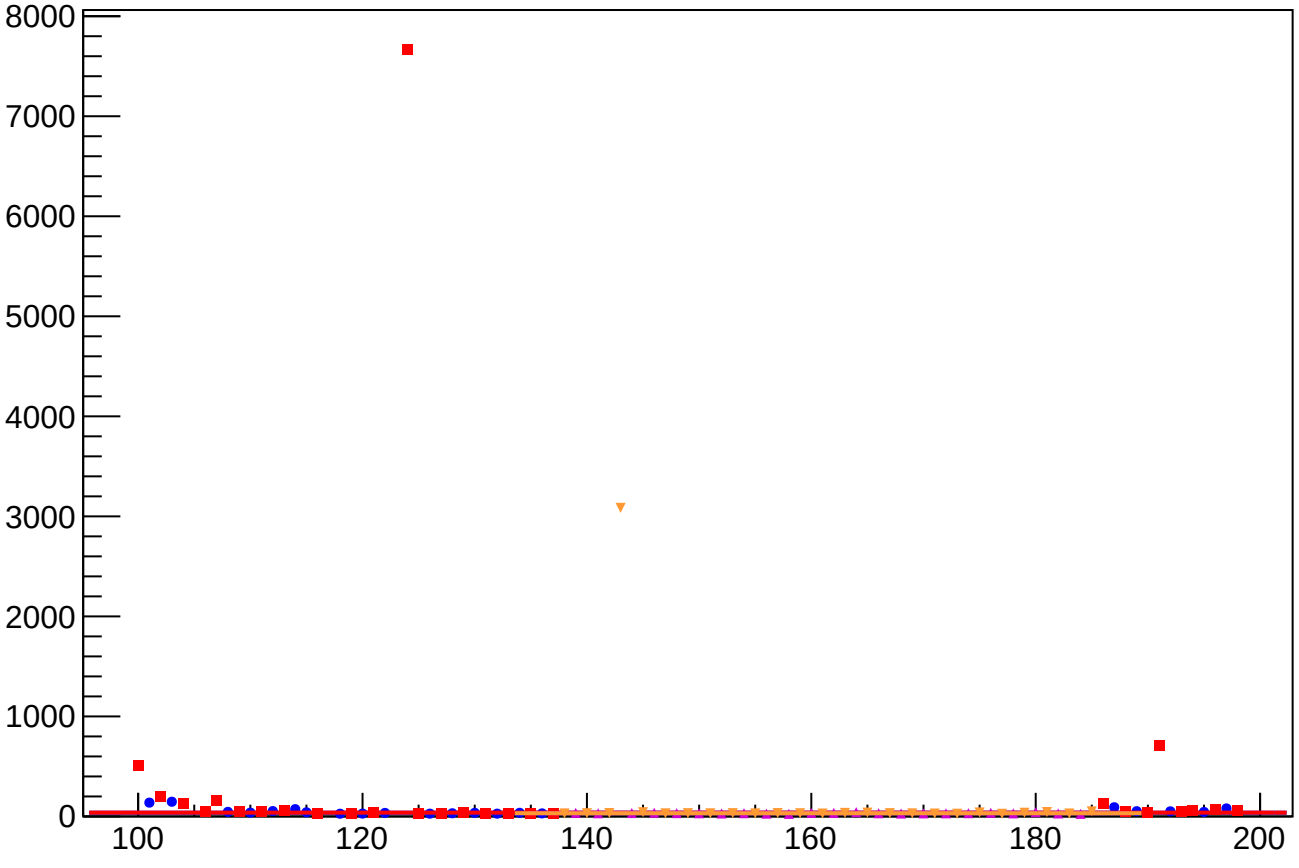
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 64.3/45

All: -0.001+/-0.005 χ^2/NDF: 111.8/95

- sign 0.004+/-0.007 χ^2/NDF: 46.2/49

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.327+/-0.010 χ^2/NDF: 2579414.7/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

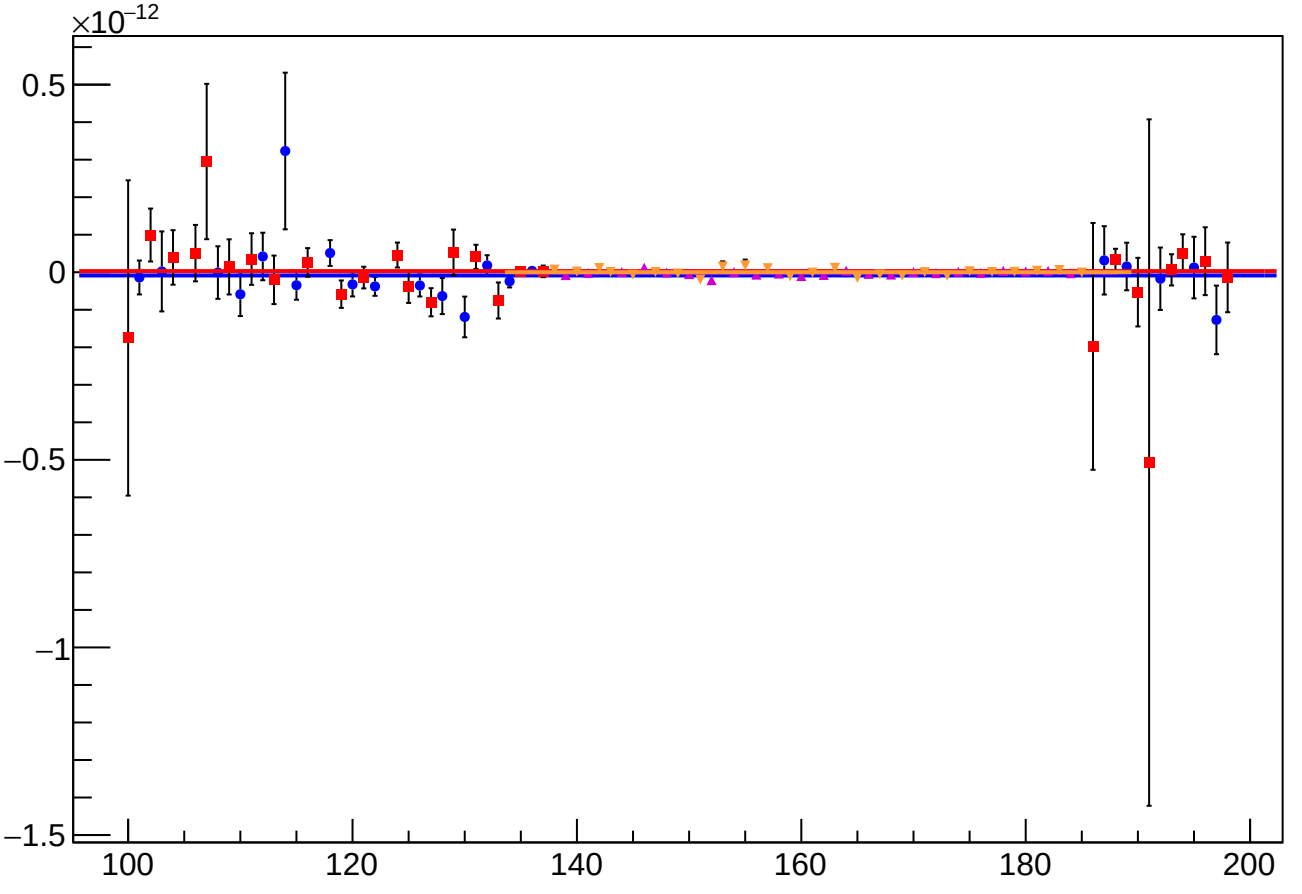
Right Out: 38.145+/-0.009 χ^2/NDF: 3801488.2/26

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.652+/-0.005 χ^2/NDF: 4905221.5/45

All: 33.864+/-0.004 χ^2/NDF: 9411659.0/95

- sign 34.073+/-0.005 χ^2/NDF: 4502811.1/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/26

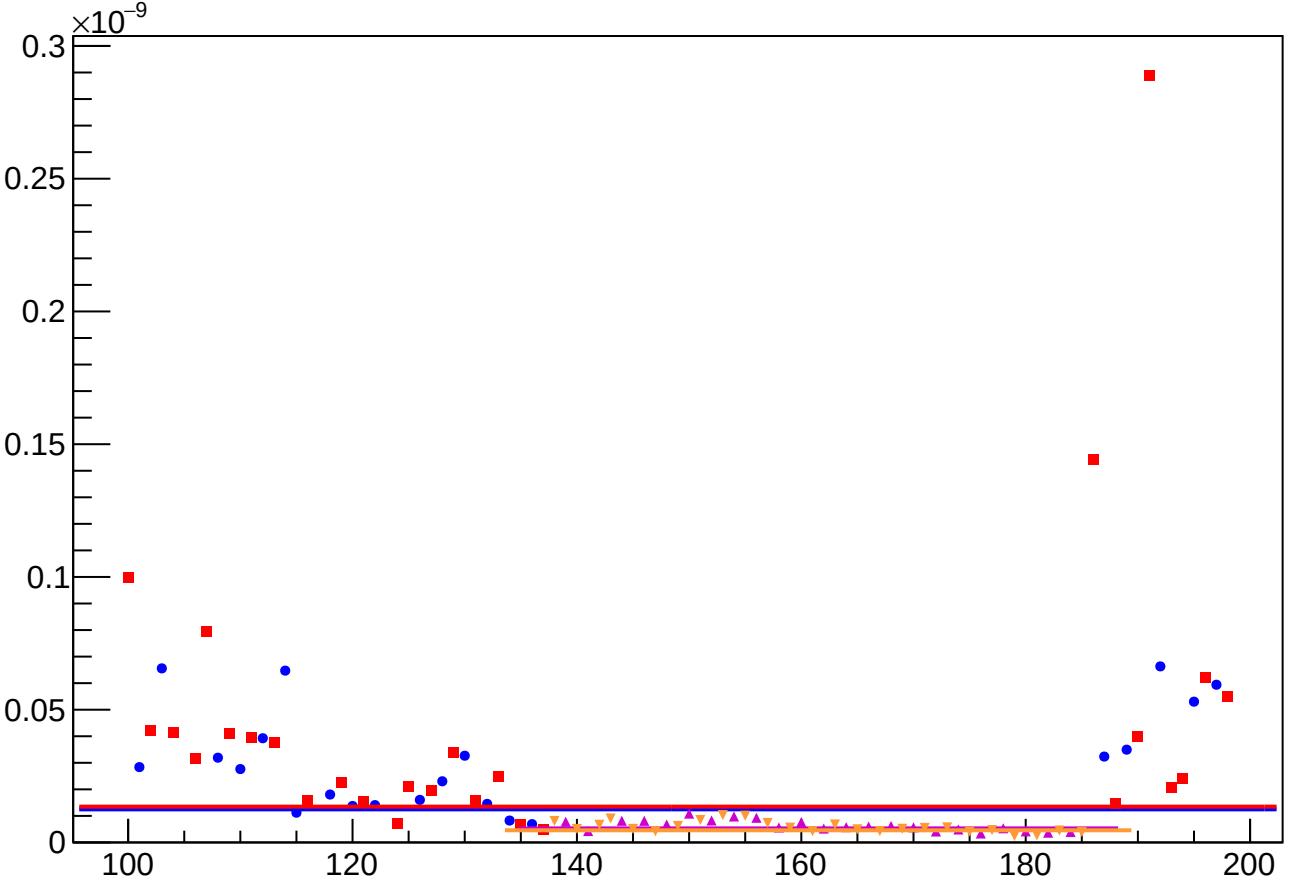
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.2/45

All: -0.000+/-0.000 χ^2/NDF: 77.8/95

- sign -0.000+/-0.000 χ^2/NDF: 33.5/49

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5075489.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5621735.0/26

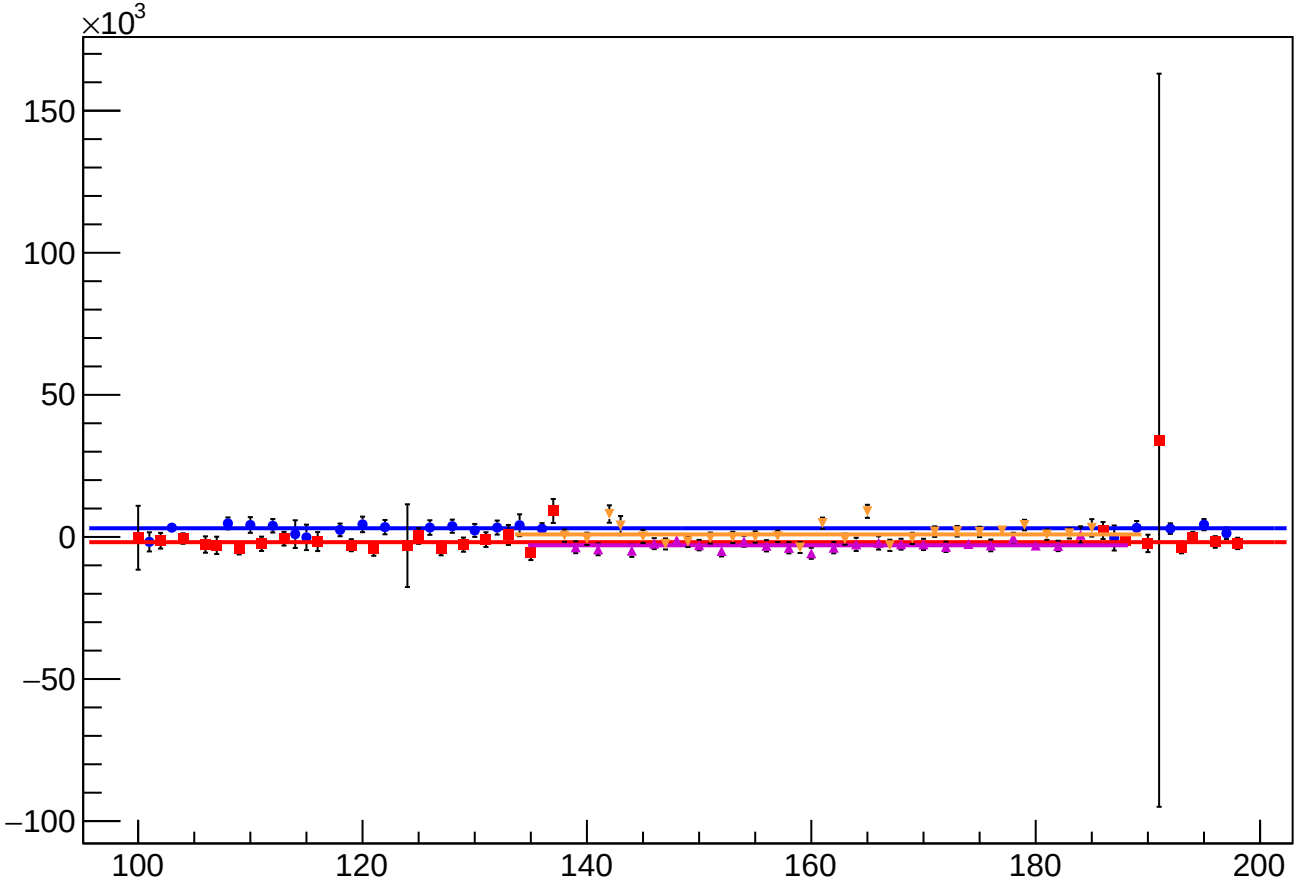
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10845093.1/45

All: 0.000+/-0.000 χ^2/NDF: 21681795.0/95

- sign 0.000+/-0.000 χ^2/NDF: 10581992.5/49

reg_asym_at2_avg_mean vs Slug



Right In: 3059.024+/-531.024 χ^2/NDF: 6.1/20

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1841.092+/-495.976 χ^2/NDF: 17.9/26

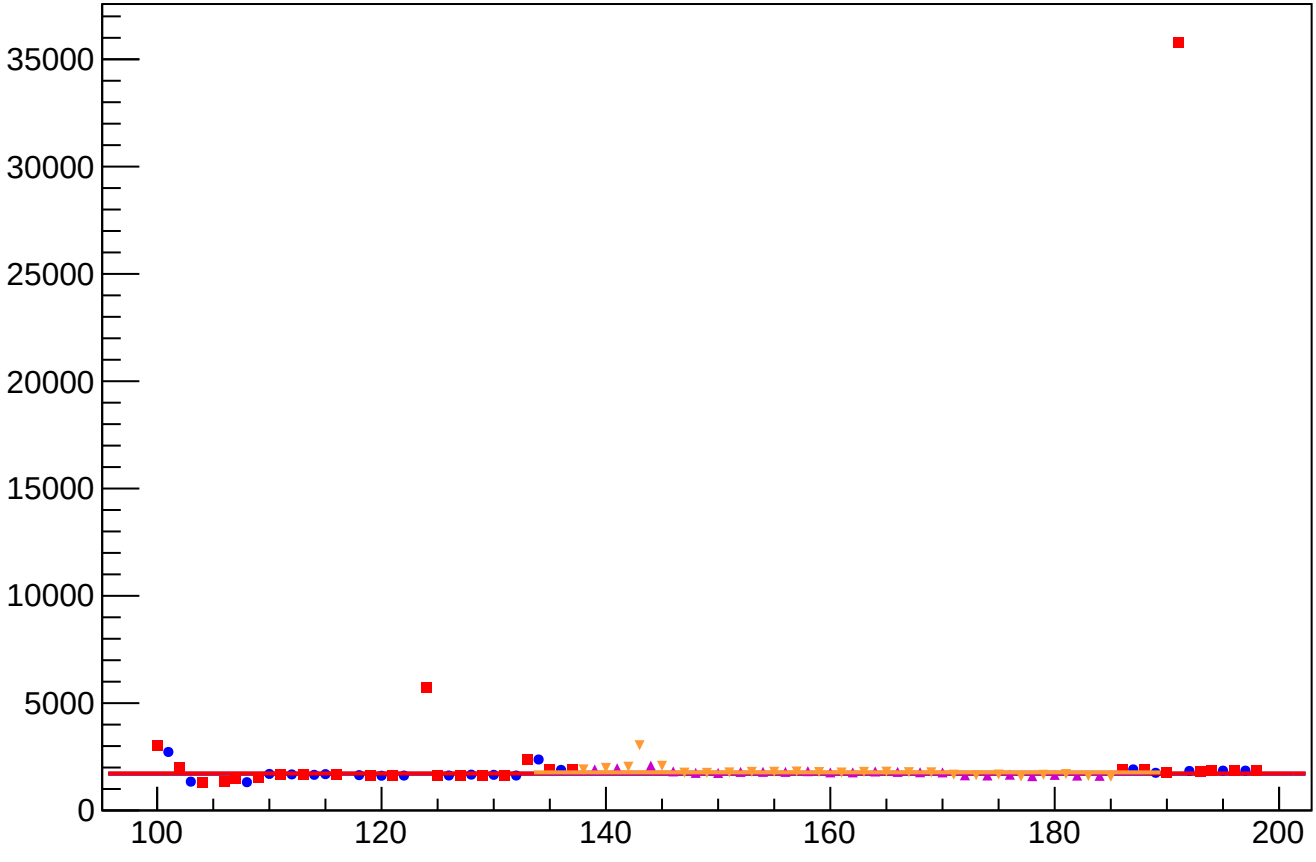
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1694.660+/-322.301 χ^2/NDF: 61.9/45

All: -434.305+/-225.986 χ^2/NDF: 179.1/95

- sign -2493.174+/-316.951 χ^2/NDF: 31.4/49

reg_asym_at2_avg_rms vs Slug



Right In: 1712.334+/-0.375 χ^2/NDF: 462396.6/20

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.3/26

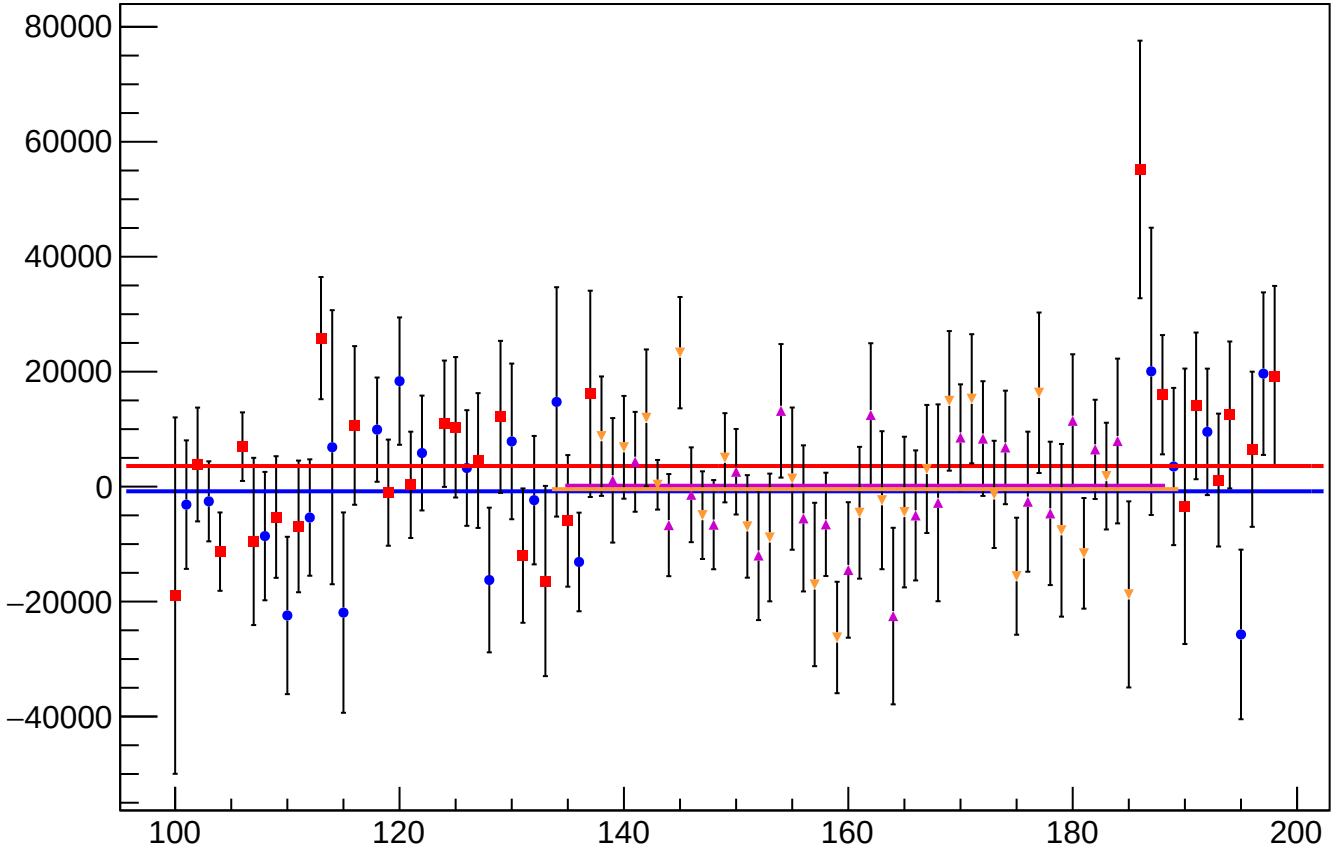
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1751.745+/-0.228 χ^2/NDF: 926733.6/45

All: 1748.913+/-0.160 χ^2/NDF: 1740347.6/95

- sign 1746.174+/-0.224 χ^2/NDF: 813310.2/49

asym_at2_avg_reg_correction_mean vs Slug



Right In: -813.832+/-2518.560 χ^2/NDF: 21.1/20

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3584.617+/-2173.590 χ^2/NDF: 27.7/26

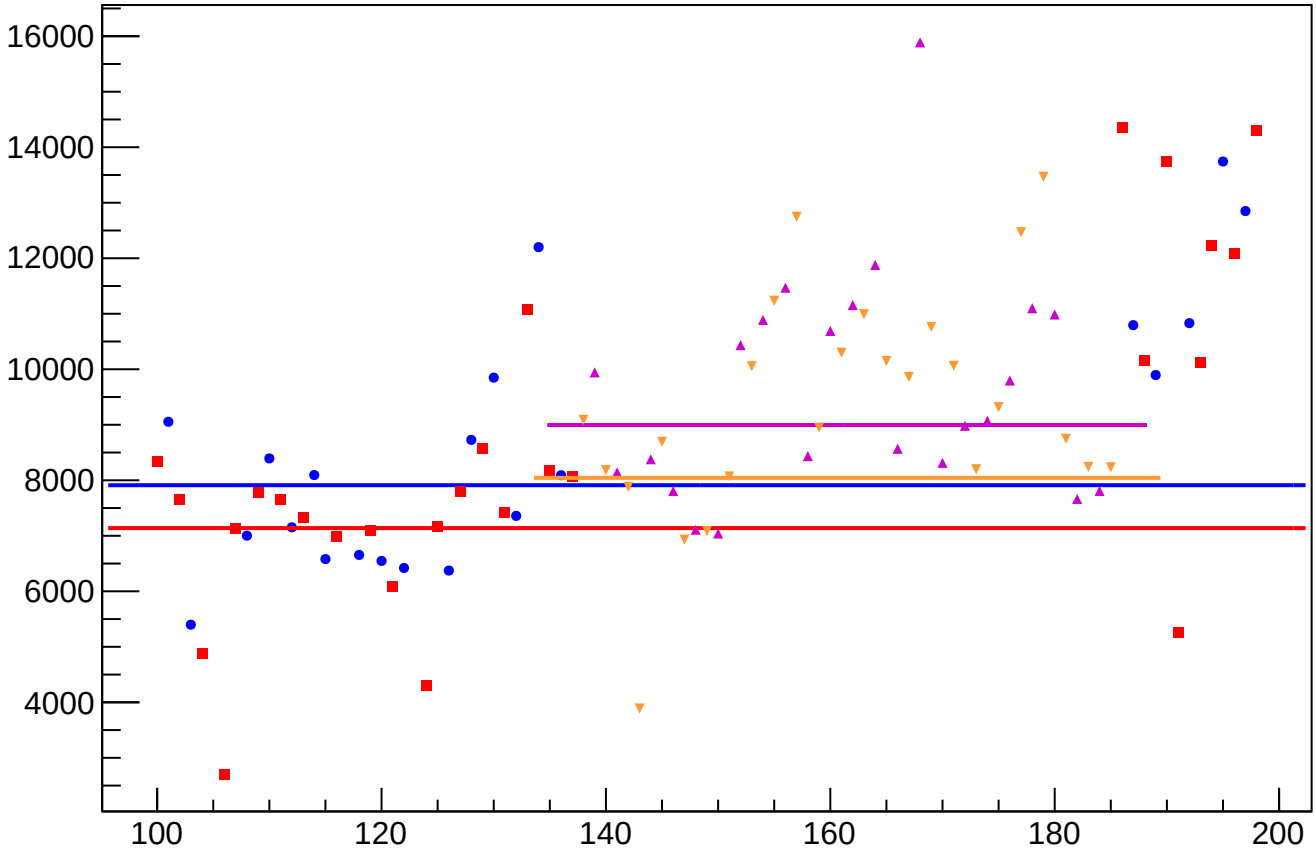
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -580.022+/-1529.722 χ^2/NDF: 50.6/45

All: 635.797+/-1080.432 χ^2/NDF: 94.6/95

- sign 1846.033+/-1526.206 χ^2/NDF: 42.7/49

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7911.387+/-1.781 χ^2/NDF: 1393568.4/20

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7138.692+/-1.537 χ^2/NDF: 3379101.3/26

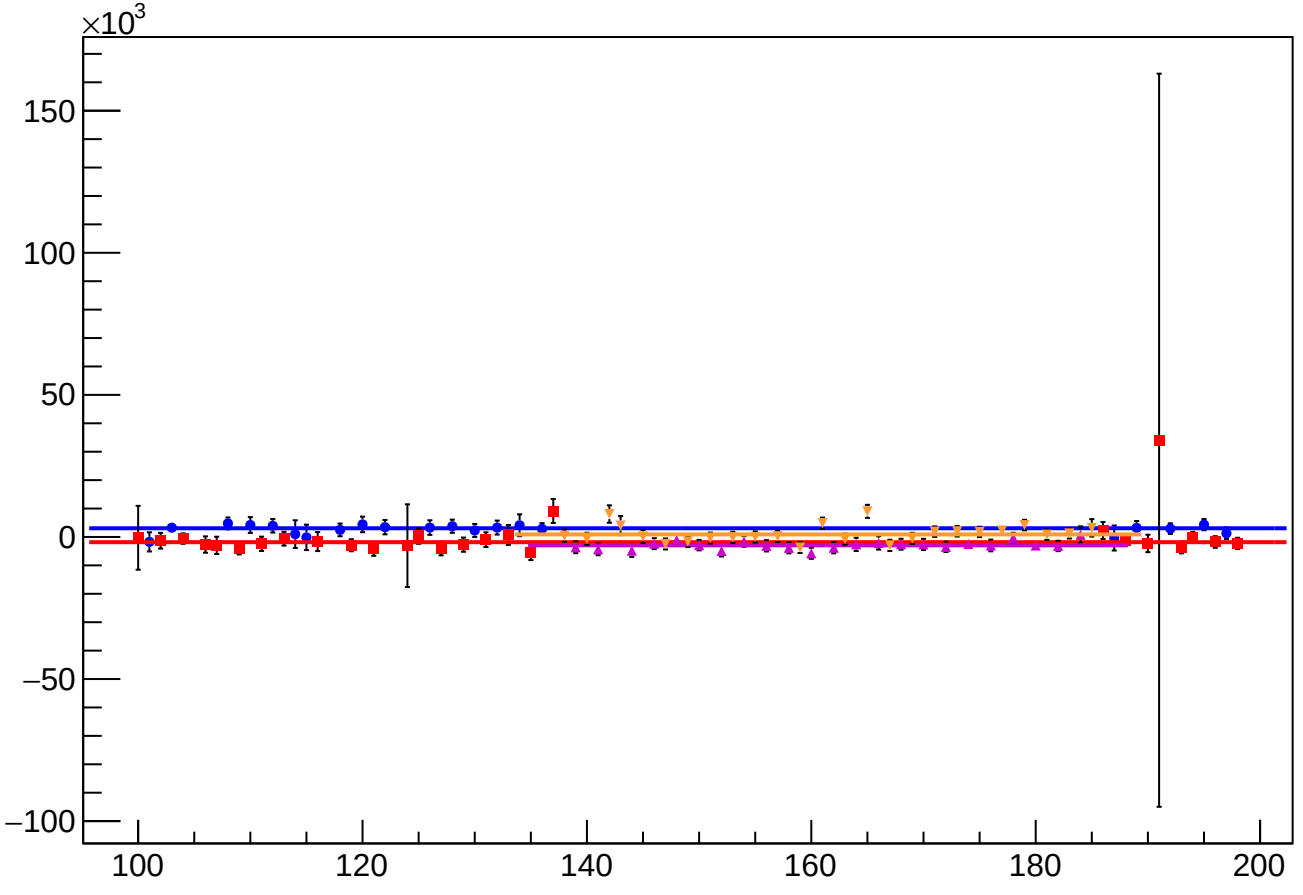
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7994.973+/-1.082 χ^2/NDF: 4759897.5/45

All: 8037.636+/-0.764 χ^2/NDF: 10089272.1/9

- sign 8080.104+/-1.079 χ^2/NDF: 5326270.4/49

cor_asym_at2_avg_mean vs Slug



Right In: 3059.132+/-531.024 χ^2/NDF: 6.1/20

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1840.979+/-495.976 χ^2/NDF: 17.9/26

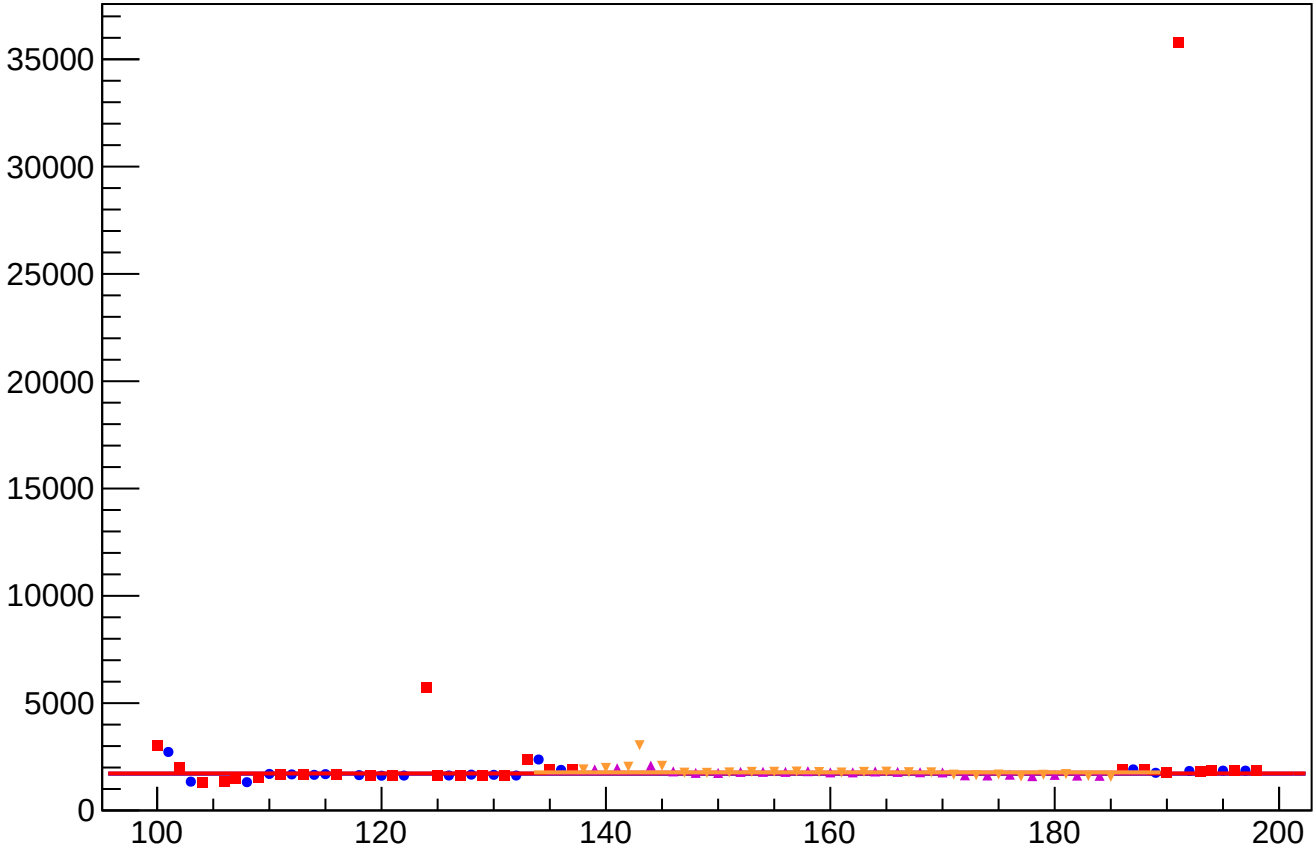
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1694.650+/-322.301 χ^2/NDF: 61.9/45

All: -434.252+/-225.986 χ^2/NDF: 179.1/95

- sign -2493.061+/-316.951 χ^2/NDF: 31.4/49

cor_asym_at2_avg_rms vs Slug



Right In: 1712.334+/-0.375 χ^2/NDF: 462397.0/20

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.5/26

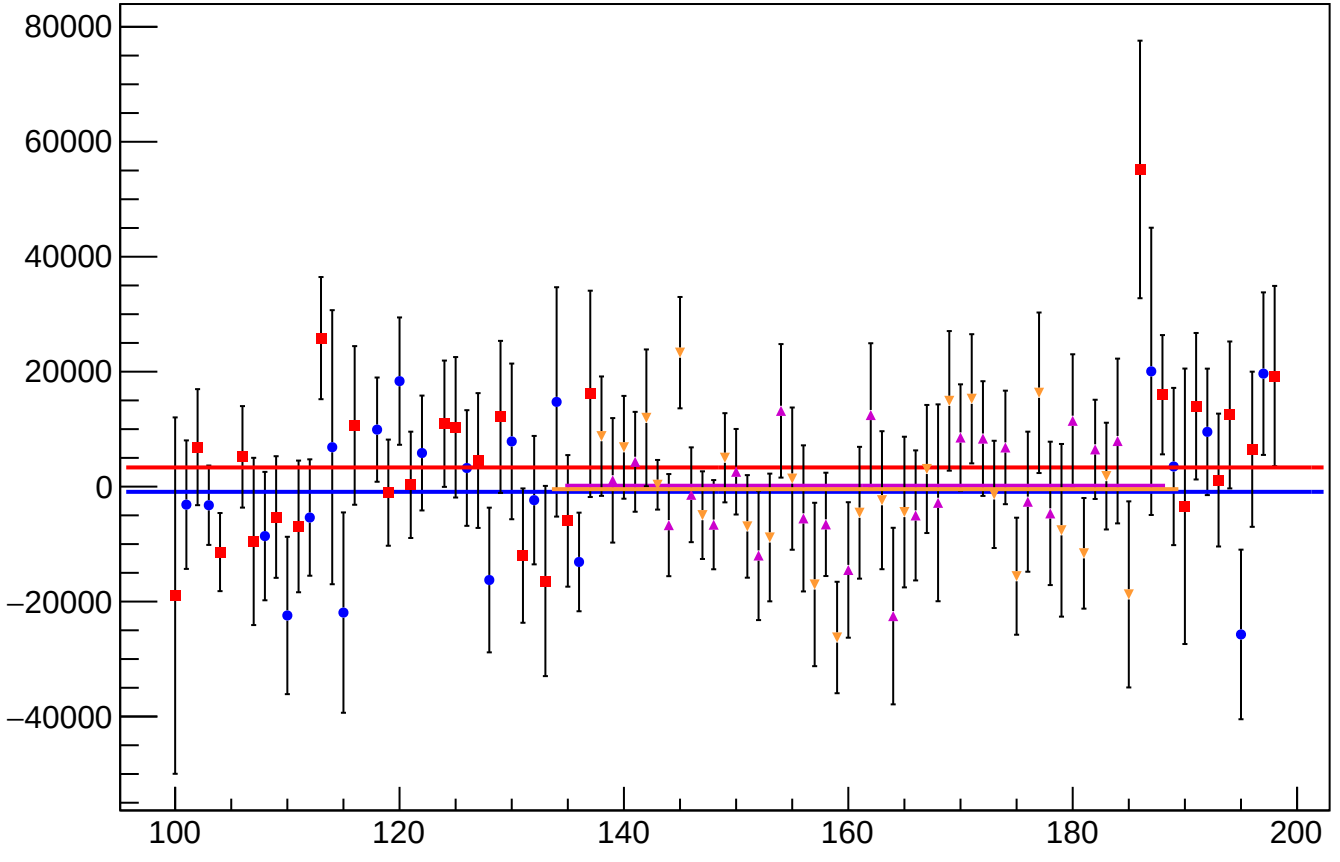
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1751.745+/-0.228 χ^2/NDF: 926734.1/45

All: 1748.913+/-0.160 χ^2/NDF: 1740348.3/95

- sign 1746.174+/-0.224 χ^2/NDF: 813310.5/49

asym_at2_avg_cor_correction_mean vs Slug



Right In: -907.977+/-2515.726 χ^2/NDF: 21.1/20

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3337.807+/-2258.016 χ^2/NDF: 27.5/26

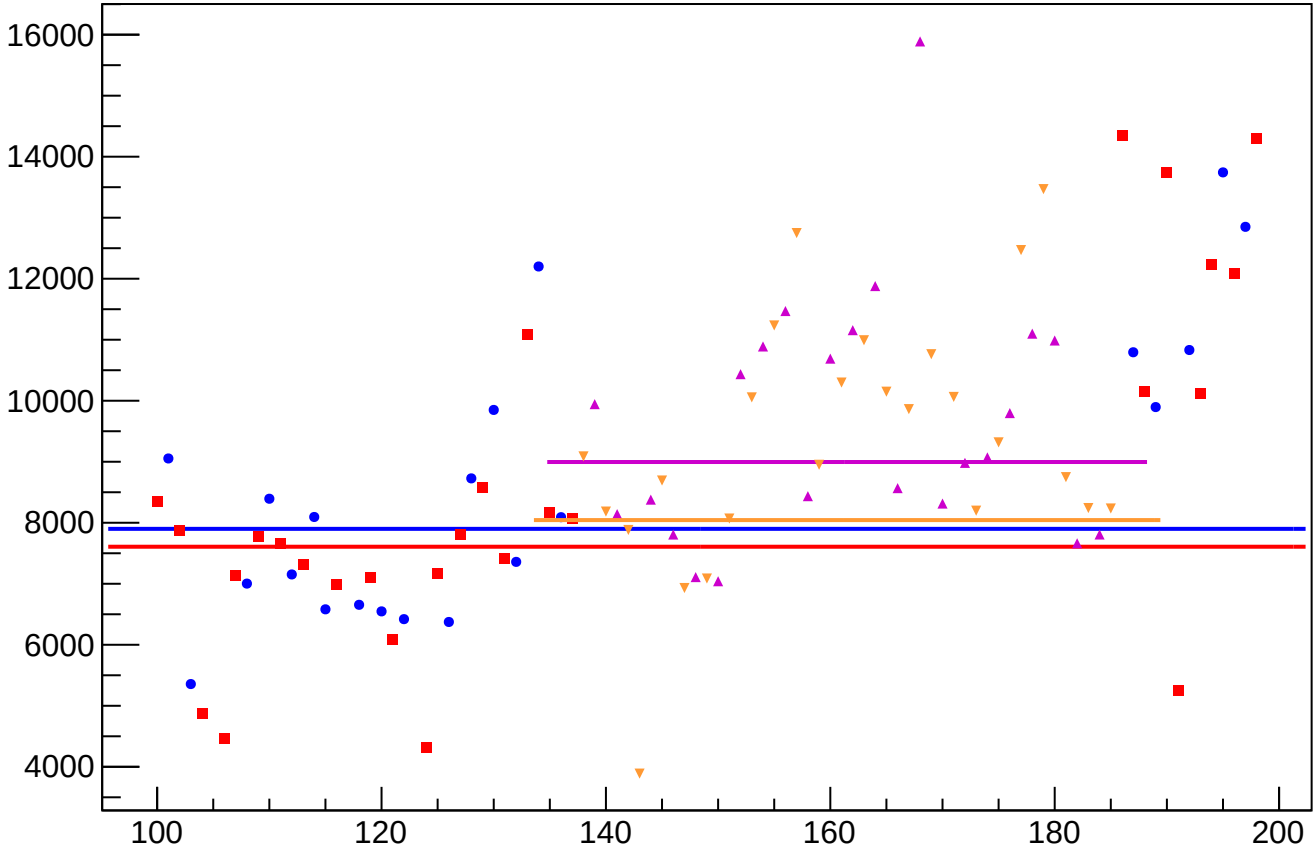
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -615.022+/-1529.085 χ^2/NDF: 50.6/45

All: 505.528+/-1090.131 χ^2/NDF: 94.1/95

\- sign 1663.767+/-1554.586 χ^2/NDF: 42.4/49

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7900.103+/-1.779 χ^2/NDF: 1406975.0/20

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

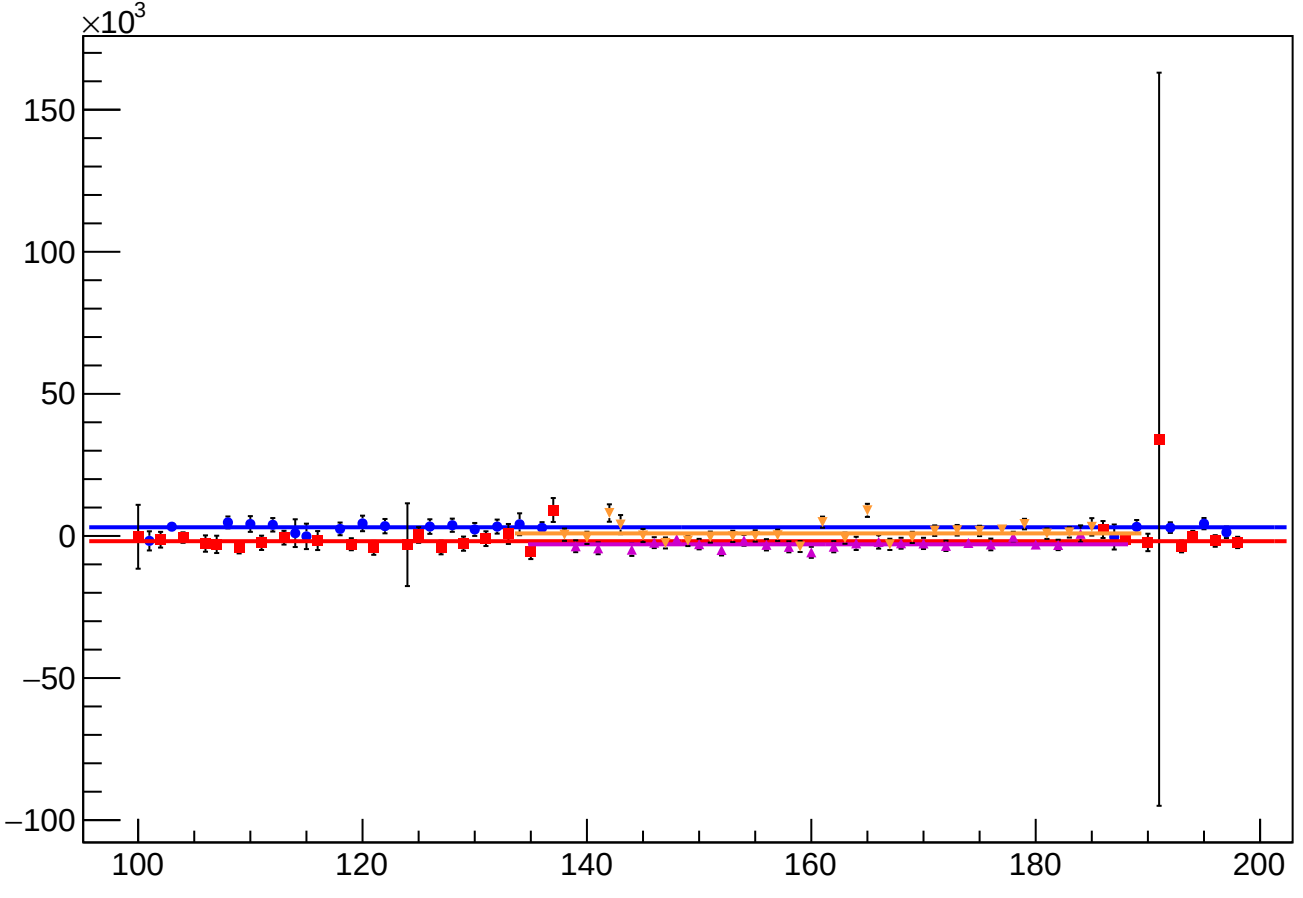
Right Out: 7607.149+/-1.597 χ^2/NDF: 2377085.9/26

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7990.719+/-1.081 χ^2/NDF: 4774005.8/45

All: 8161.235+/-0.771 χ^2/NDF: 8806583.9/95

- sign 8337.485+/-1.099 χ^2/NDF: 3981999.2/49



Right In: 3059.132+/-531.024 χ^2/NDF: 6.1/20

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1840.979+/-495.976 χ^2/NDF: 17.9/26

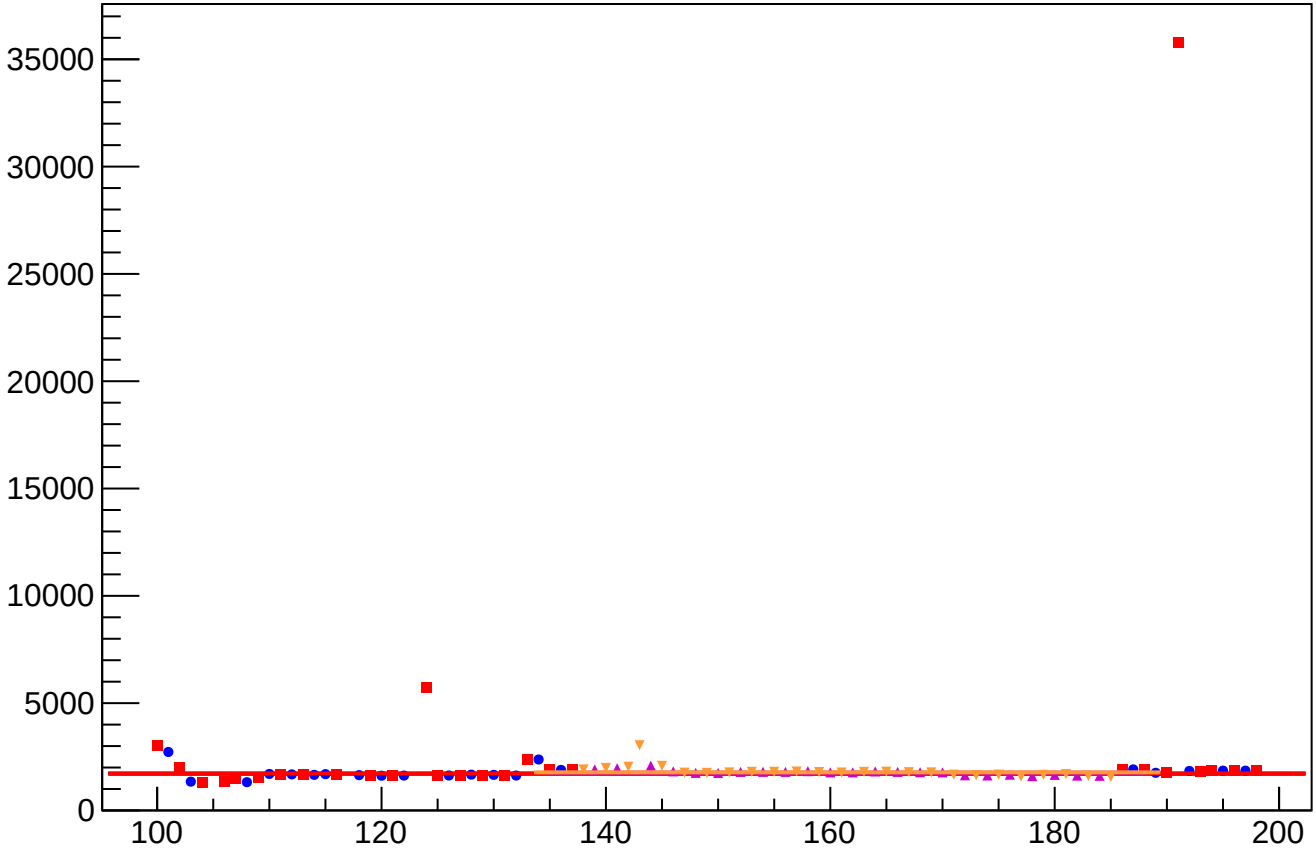
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1694.650+/-322.301 χ^2/NDF: 61.9/45

All: -434.252+/-225.986 χ^2/NDF: 179.1/95

- sign -2493.061+/-316.951 χ^2/NDF: 31.4/49

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1712.334+/-0.375 χ^2/NDF: 462397.0/20

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

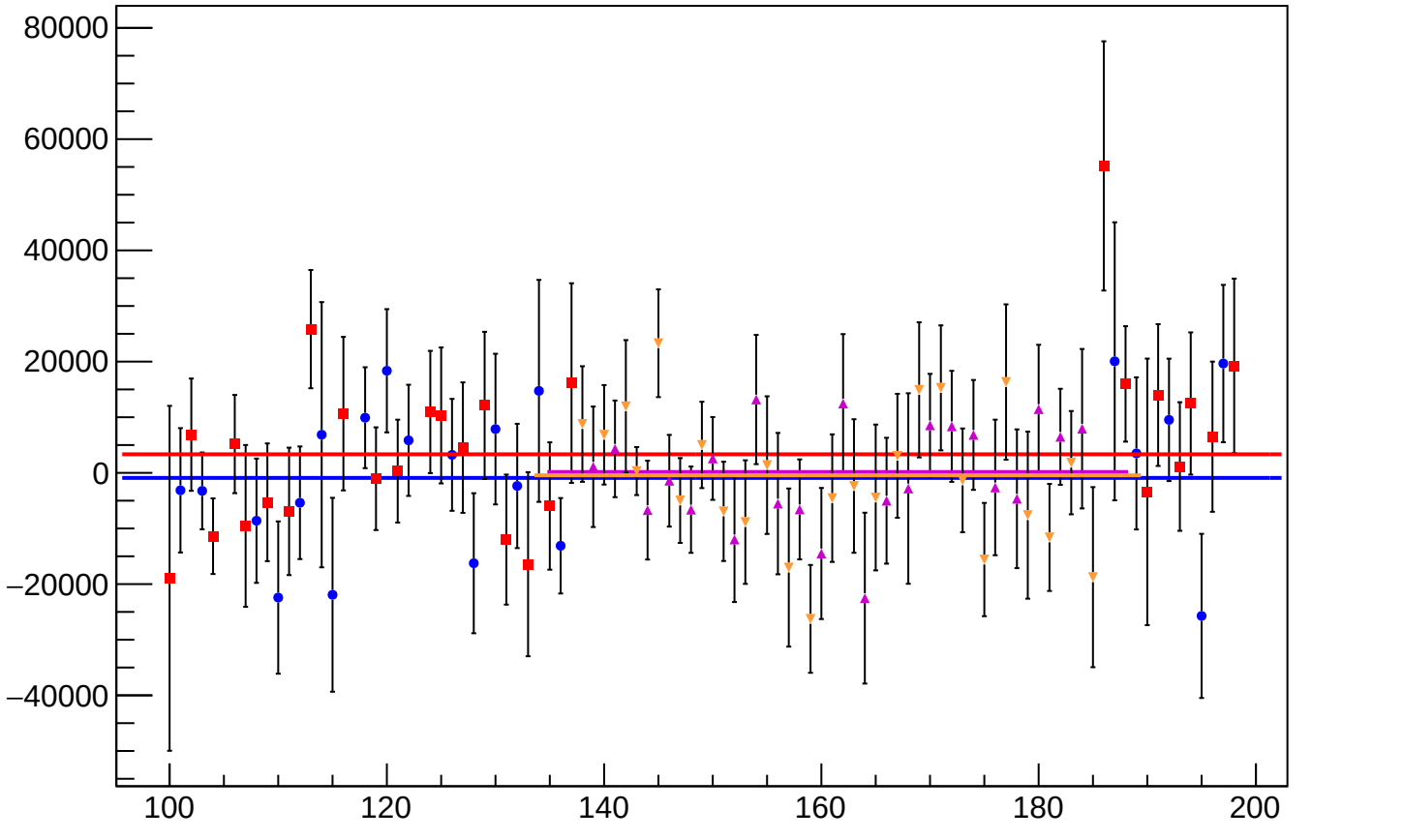
Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.5/26

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1751.745+/-0.228 χ^2/NDF: 926734.1/45

All: 1748.913+/-0.160 χ^2/NDF: 1740348.3/95

- sign 1746.174+/-0.224 χ^2/NDF: 813310.5/49



Right In: -907.977+/-2515.726 χ^2/NDF: 21.1/20

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3337.807+/-2258.016 χ^2/NDF: 27.5/26

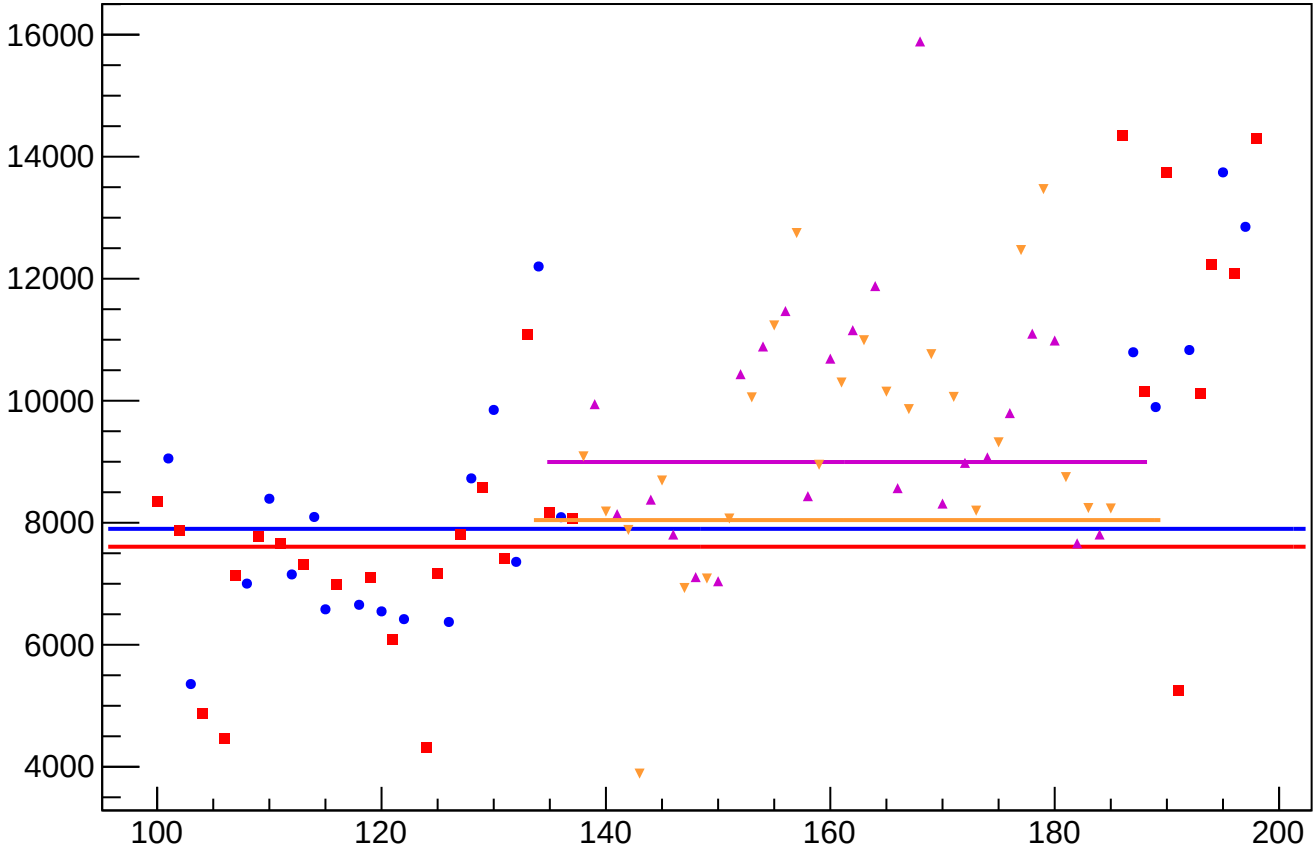
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -615.022+/-1529.085 χ^2/NDF: 50.6/45

All: 505.528+/-1090.131 χ^2/NDF: 94.1/95

- sign 1663.767+/-1554.586 χ^2/NDF: 42.4/49

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7900.103+/-1.779 χ^2/NDF: 1406975.0/20

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7607.149+/-1.597 χ^2/NDF: 2377085.9/26

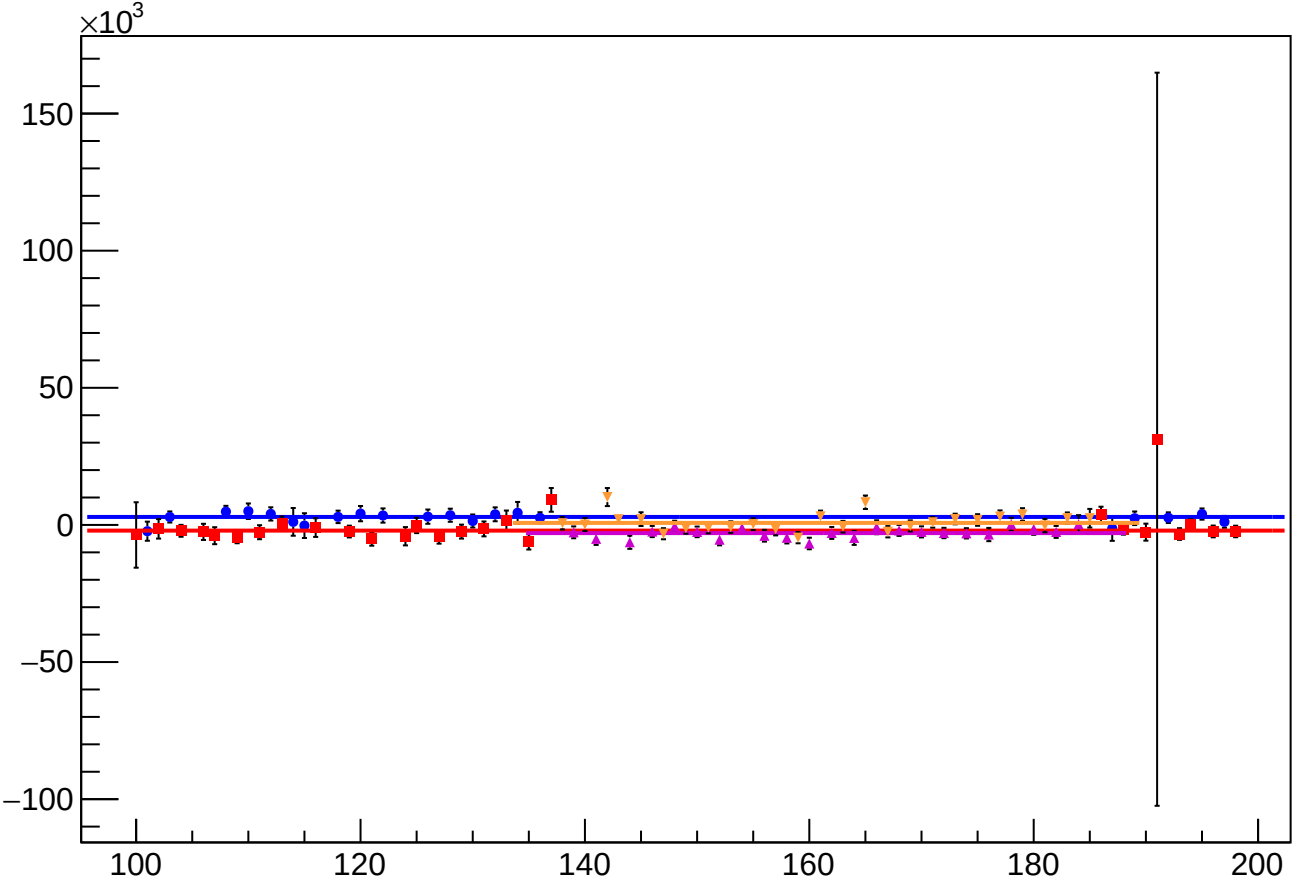
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7990.719+/-1.081 χ^2/NDF: 4774005.8/45

All: 8161.235+/-0.771 χ^2/NDF: 8806583.9/95

- sign 8337.485+/-1.099 χ^2/NDF: 3981999.2/49

dit_asym_at2_avg_mean vs Slug



Right In: 2911.591+/-551.510 χ^2/NDF: 7.3/20

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2068.094+/-510.591 χ^2/NDF: 21.6/26

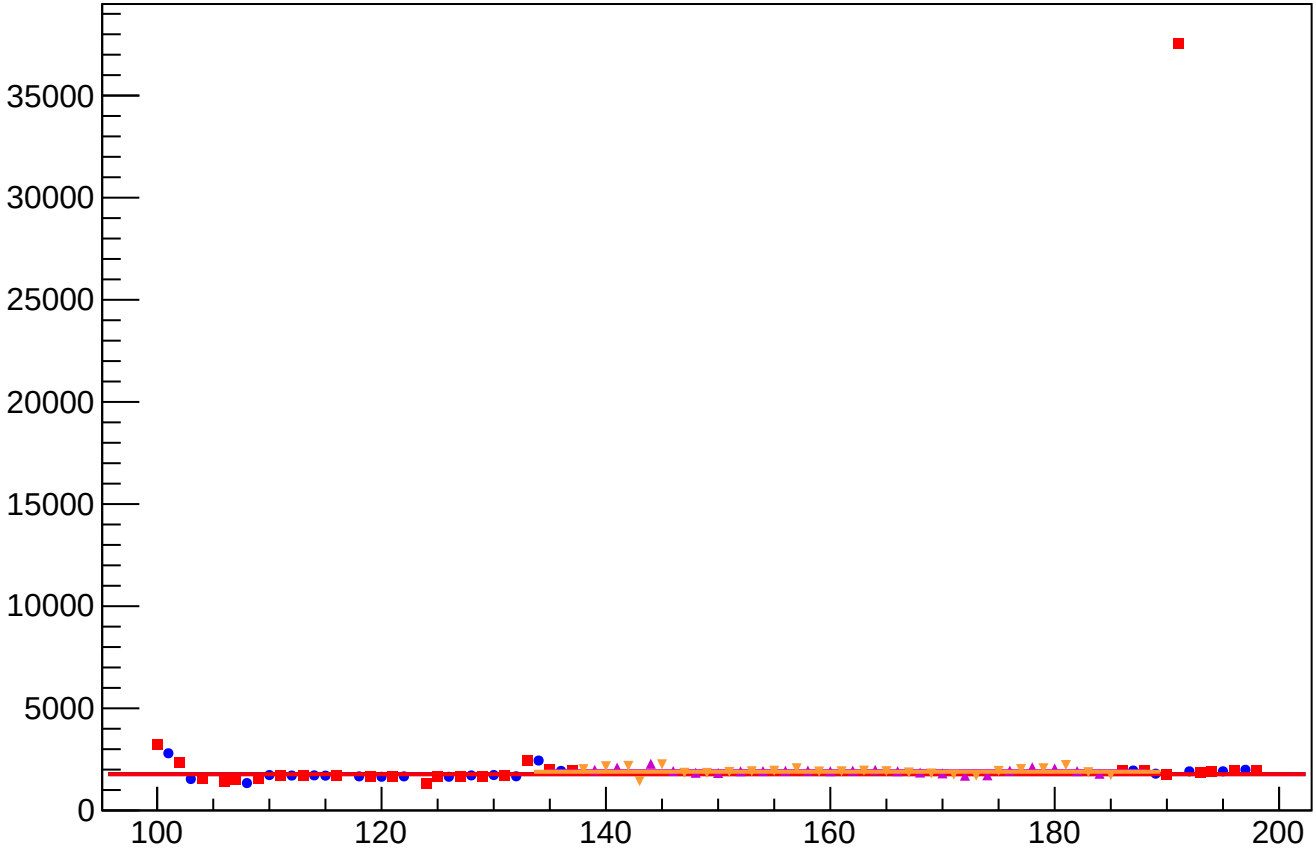
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1567.237+/-340.515 χ^2/NDF: 58.5/45

All: -523.643+/-239.793 χ^2/NDF: 172.3/95

- sign -2580.569+/-337.739 χ^2/NDF: 39.0/49

dit_asym_at2_avg_rms vs Slug



Right In: 1779.201+/-0.390 χ^2/NDF: 419826.0/20

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1773.552+/-0.361 χ^2/NDF: 526012.6/26

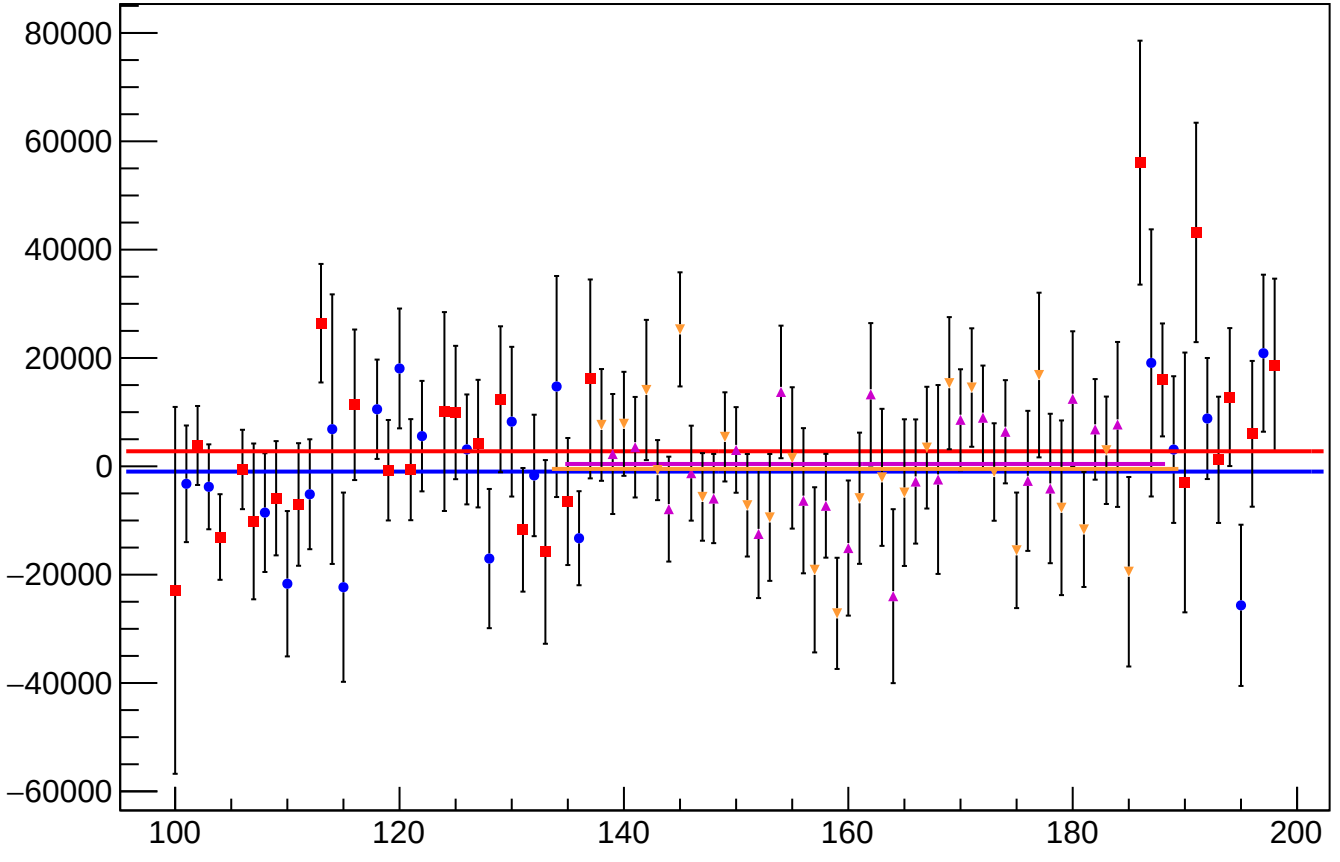
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1850.661+/-0.241 χ^2/NDF: 842676.1/45

All: 1854.166+/-0.170 χ^2/NDF: 1616535.6/95

- sign 1857.615+/-0.239 χ^2/NDF: 773439.0/49

asym_at2_avg_dit_correction_mean vs Slug



Right In: -970.754+/-2564.214 χ^2/NDF: 21.1/20

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 2778.321+/-2266.855 χ^2/NDF: 30.3/26

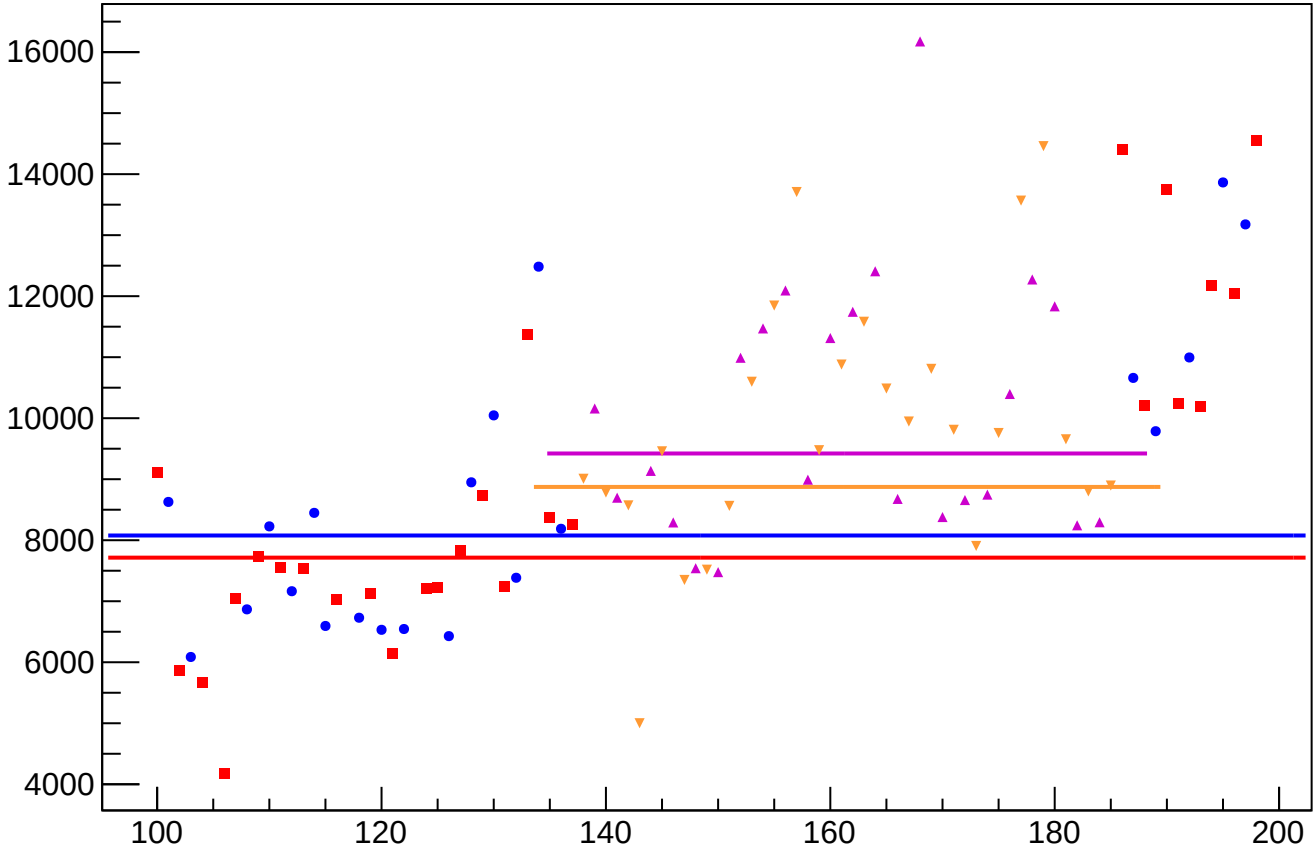
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -675.404+/-1619.686 χ^2/NDF: 49.9/45

All: 477.742+/-1136.531 χ^2/NDF: 95.3/95

- sign 1596.270+/-1595.190 χ^2/NDF: 44.4/49

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8077.498+/-1.813 χ^2/NDF: 1261343.8/20

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7714.512+/-1.603 χ^2/NDF: 2287358.2/26

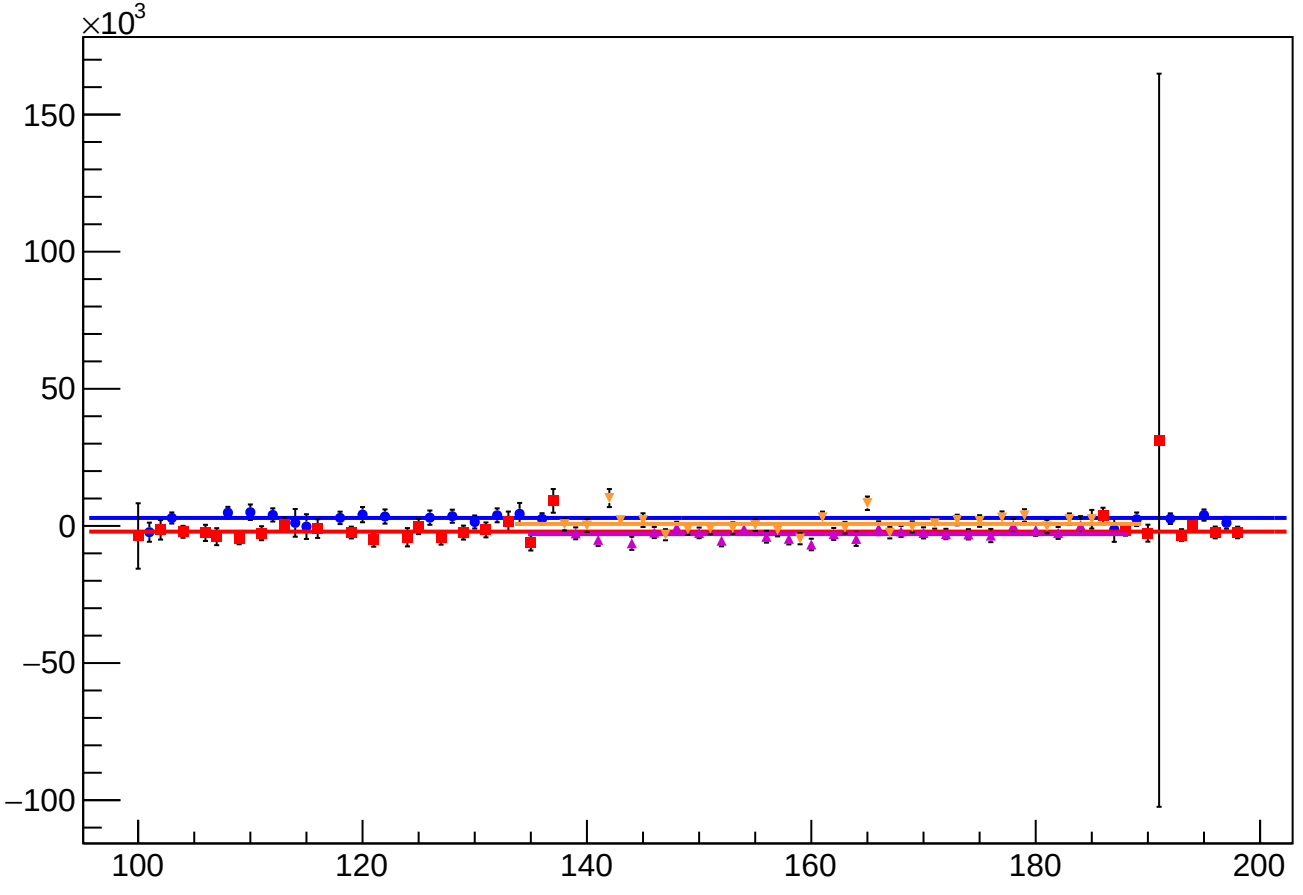
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8555.965+/-1.145 χ^2/NDF: 3580454.6/45

All: 8566.293+/-0.804 χ^2/NDF: 7645447.5/95

- sign 8576.311+/-1.128 χ^2/NDF: 4064832.8/49

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2911.590+/-551.509 χ^2/NDF: 7.3/20

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2068.097+/-510.591 χ^2/NDF: 21.6/26

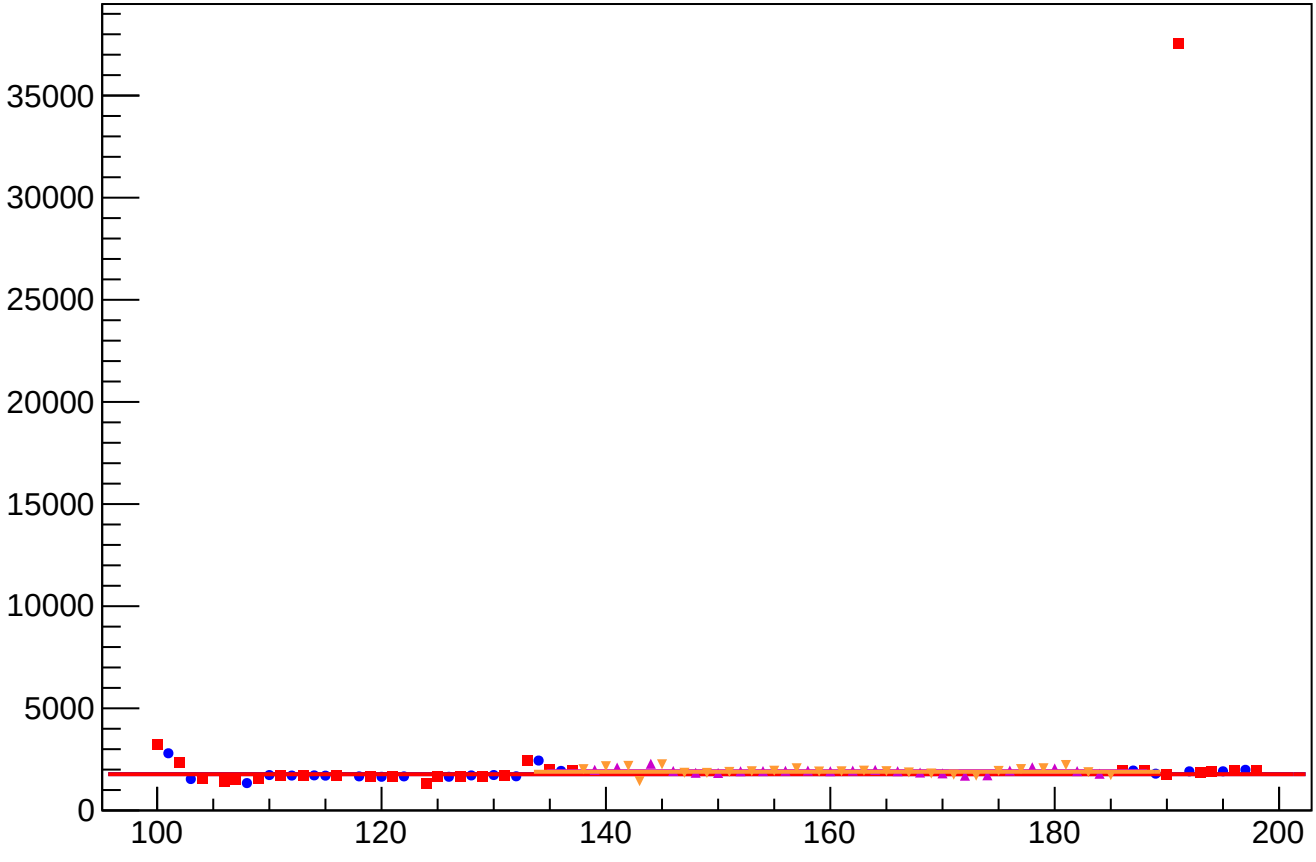
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1567.231+/-340.516 χ^2/NDF: 58.5/45

All: -523.646+/-239.793 χ^2/NDF: 172.3/95

- sign -2580.570+/-337.739 χ^2/NDF: 39.0/49

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1779.200+/-0.390 χ^2/NDF: 419826.4/20

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1773.552+/-0.361 χ^2/NDF: 526013.8/26

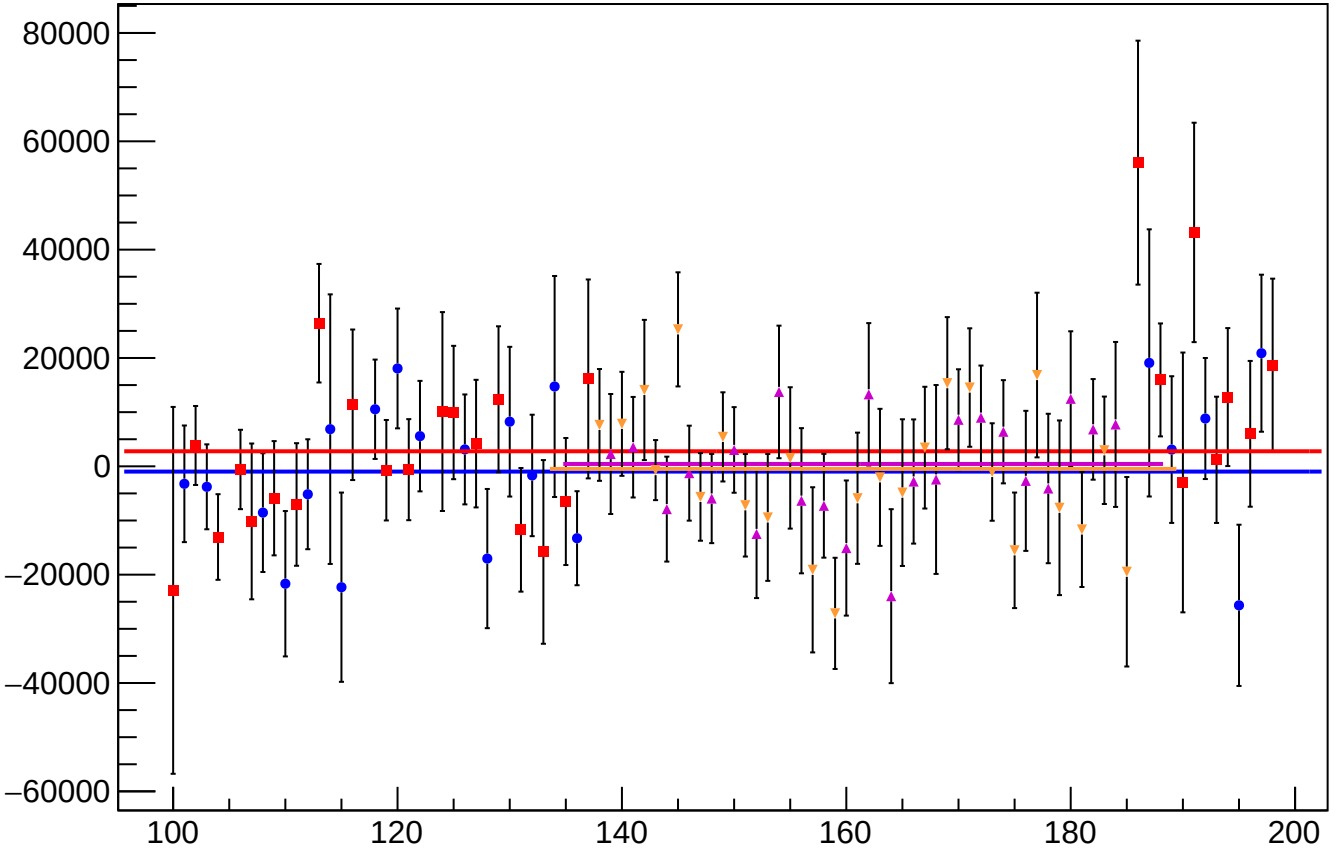
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1850.662+/-0.241 χ^2/NDF: 842687.4/45

All: 1854.168+/-0.170 χ^2/NDF: 1616559.7/95

- sign 1857.616+/-0.239 χ^2/NDF: 773451.8/49

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -970.739+/-2564.209 χ^2/NDF: 21.1/20

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 2778.305+/-2266.851 χ^2/NDF: 30.3/26

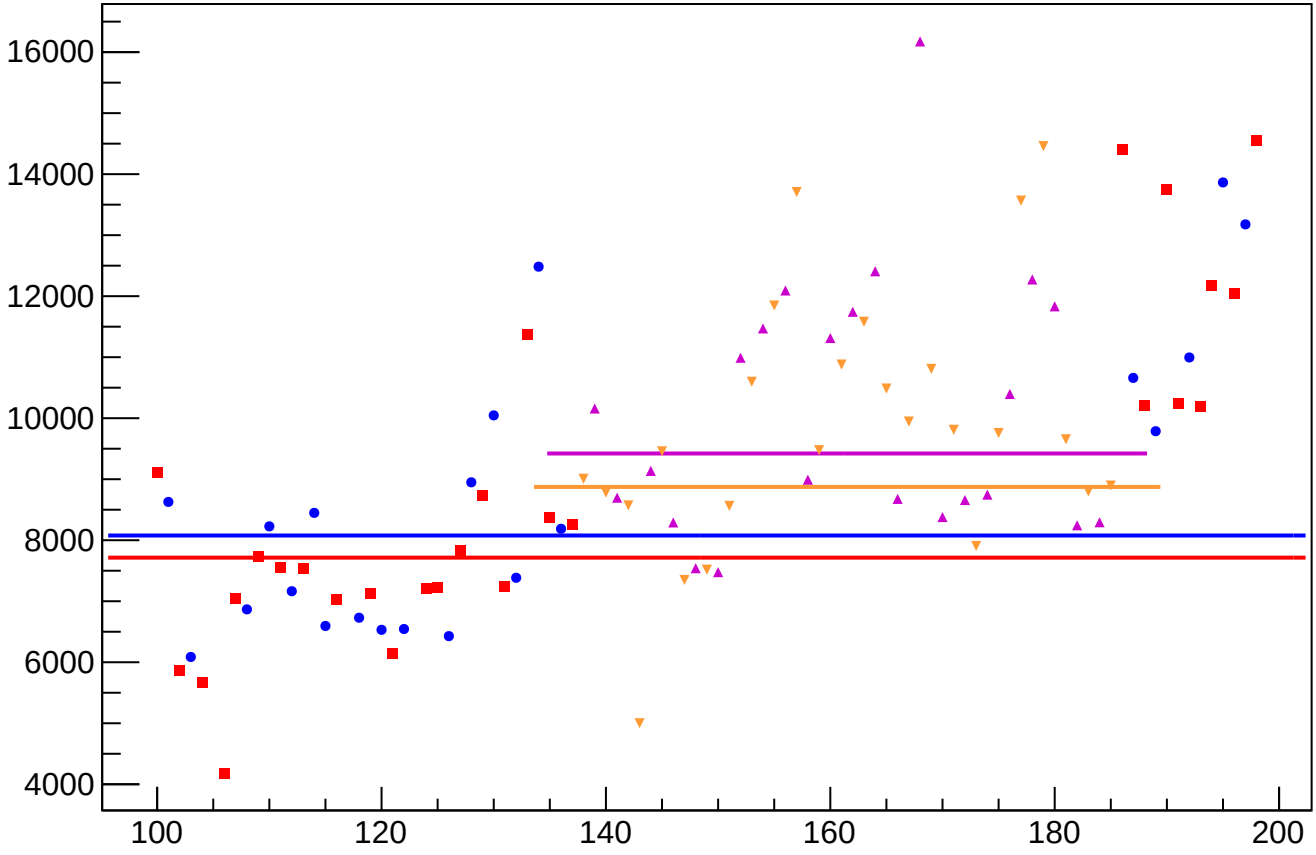
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

\+ sign -675.403+/-1619.687 χ^2/NDF: 49.9/45

All: 477.741+/-1136.532 χ^2/NDF: 95.3/95

\- sign 1596.268+/-1595.190 χ^2/NDF: 44.4/49

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 8077.482+/-1.813 χ^2/NDF: 1261357.5/20

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7714.498+/-1.603 χ^2/NDF: 2287370.2/26

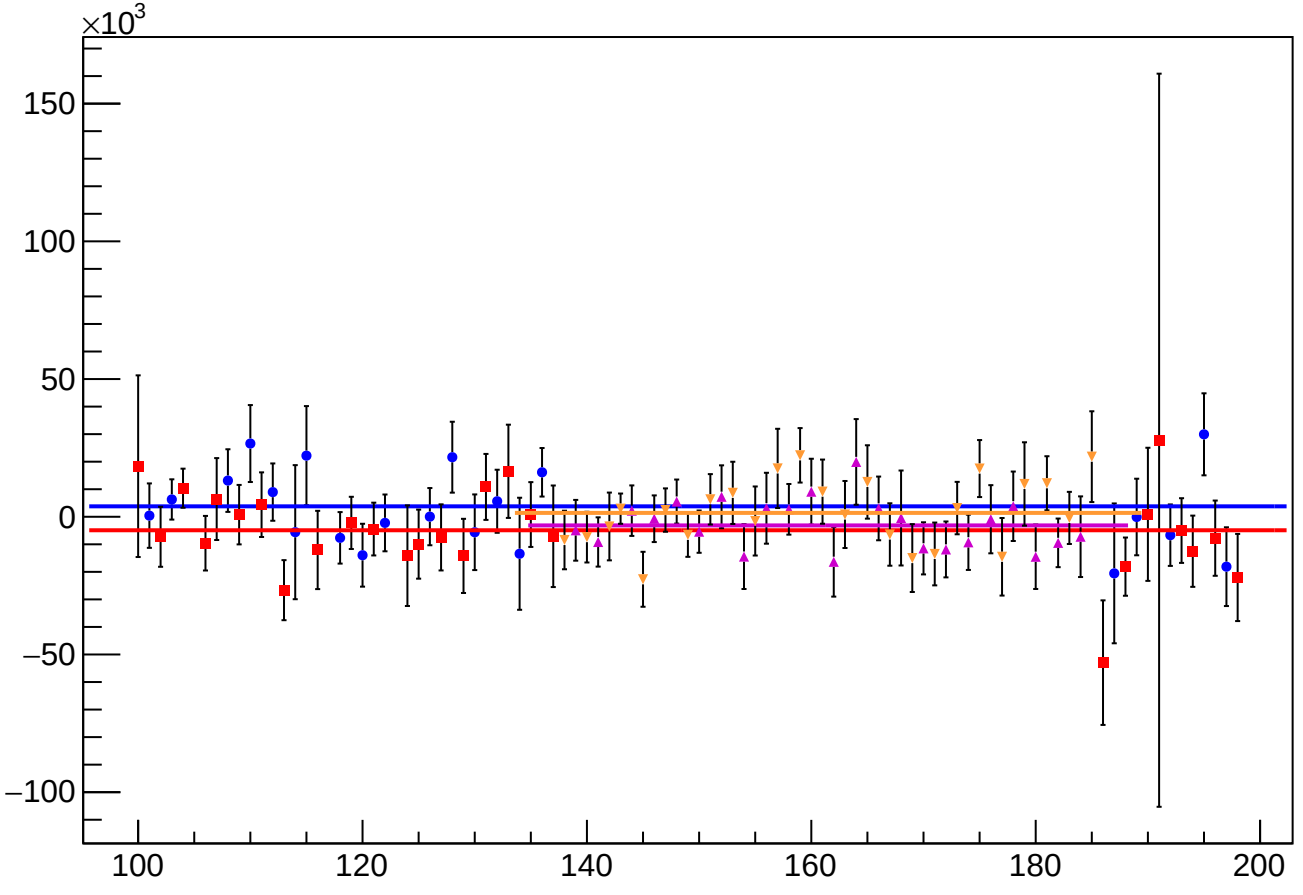
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8555.966+/-1.145 χ^2/NDF: 3580478.7/45

All: 8566.292+/-0.804 χ^2/NDF: 7645506.4/95

- sign 8576.309+/-1.128 χ^2/NDF: 4064867.5/49

asym_at2_avg_mean vs Slug



Right In: 3788.833+/-2589.634 χ^2/NDF: 21.8/20

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4898.521+/-2404.991 χ^2/NDF: 23.5/26

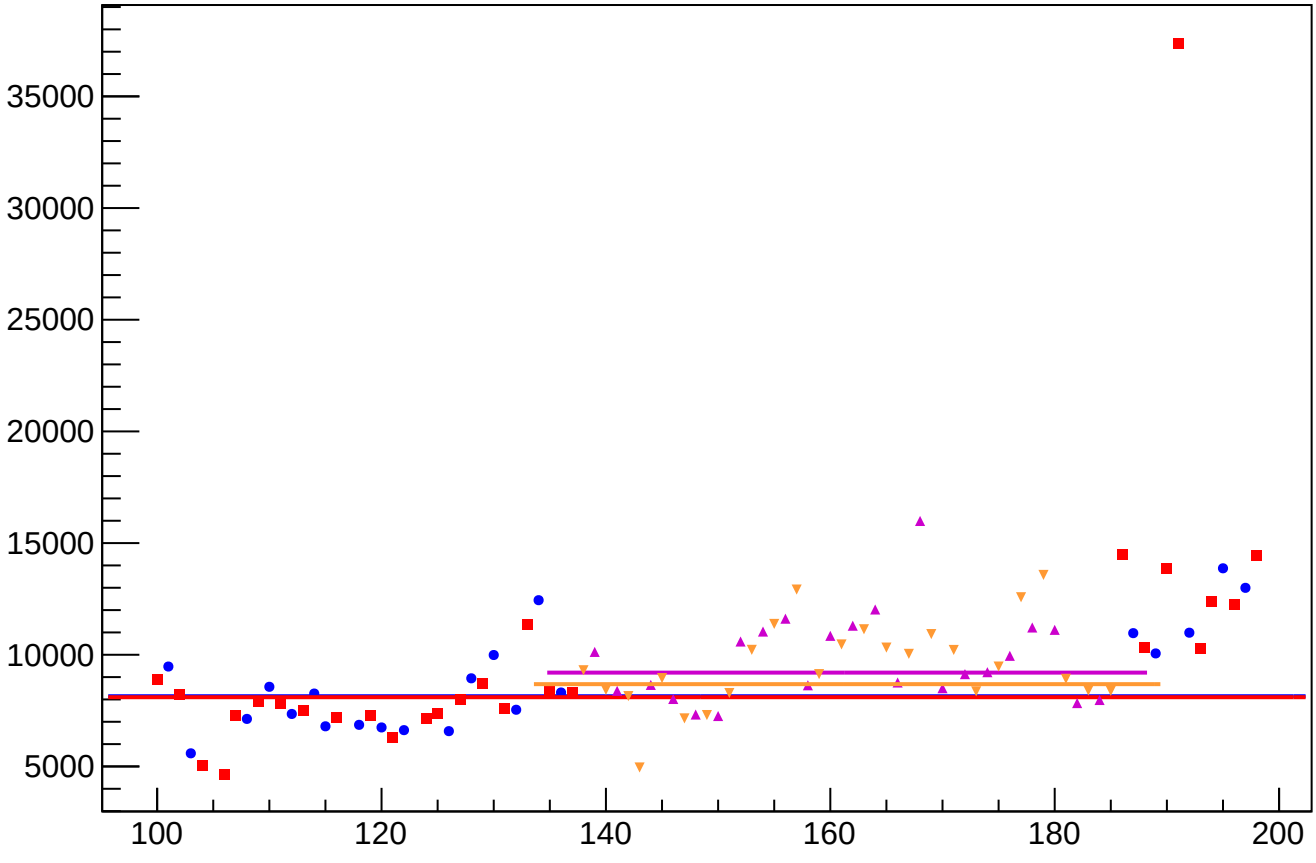
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2319.835+/-1602.454 χ^2/NDF: 49.7/45

All: -776.163+/-1138.921 χ^2/NDF: 94.0/95

- sign -3936.546+/-1619.031 χ^2/NDF: 36.7/49

asym_at2_avg_rms vs Slug



Right In: 8143.933+/-1.831 χ^2/NDF: 1325855.9/20

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8099.610+/-1.700 χ^2/NDF: 2071786.3/26

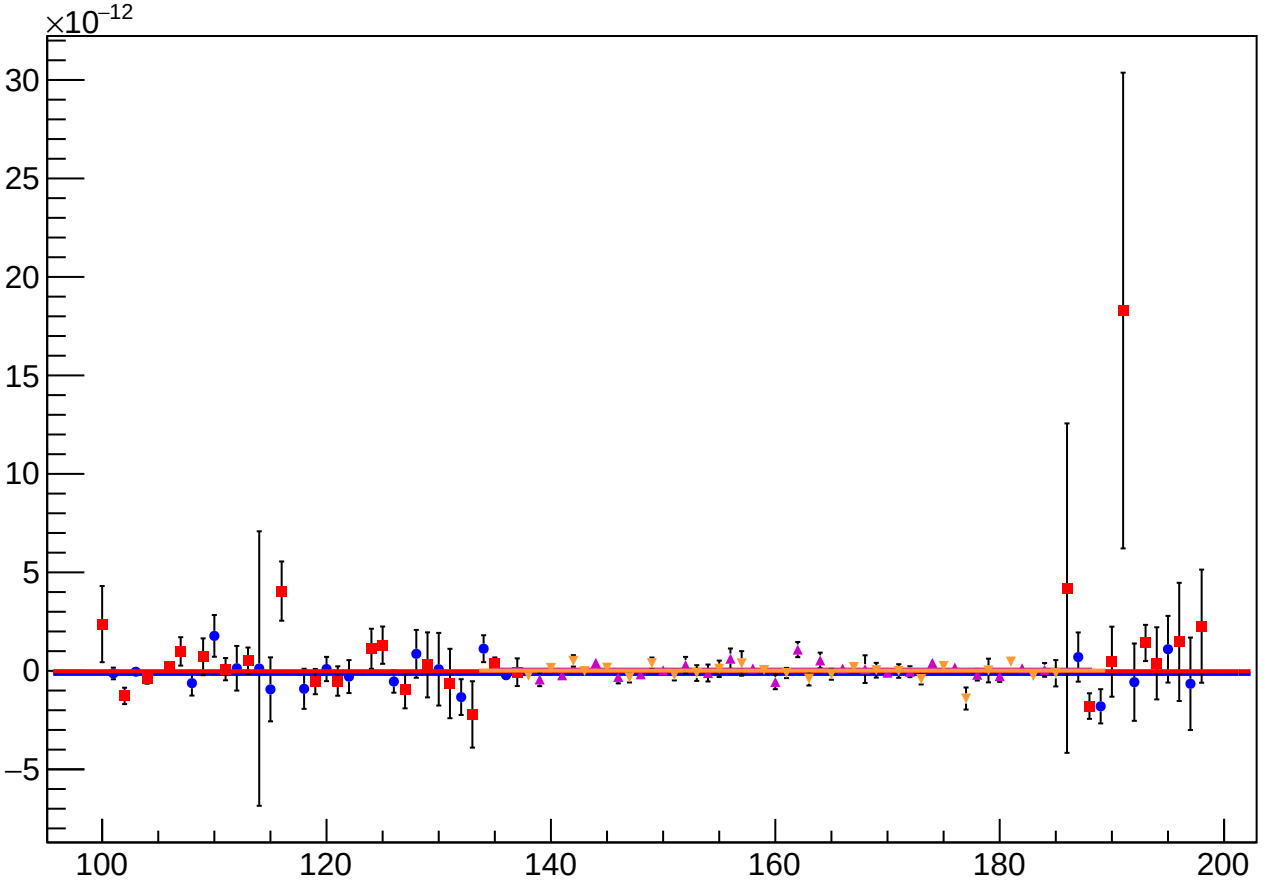
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8477.541+/-1.133 χ^2/NDF: 3431266.0/45

All: 8588.475+/-0.805 χ^2/NDF: 6881135.1/95

- sign 8701.710+/-1.145 χ^2/NDF: 3430500.3/49

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.2/26

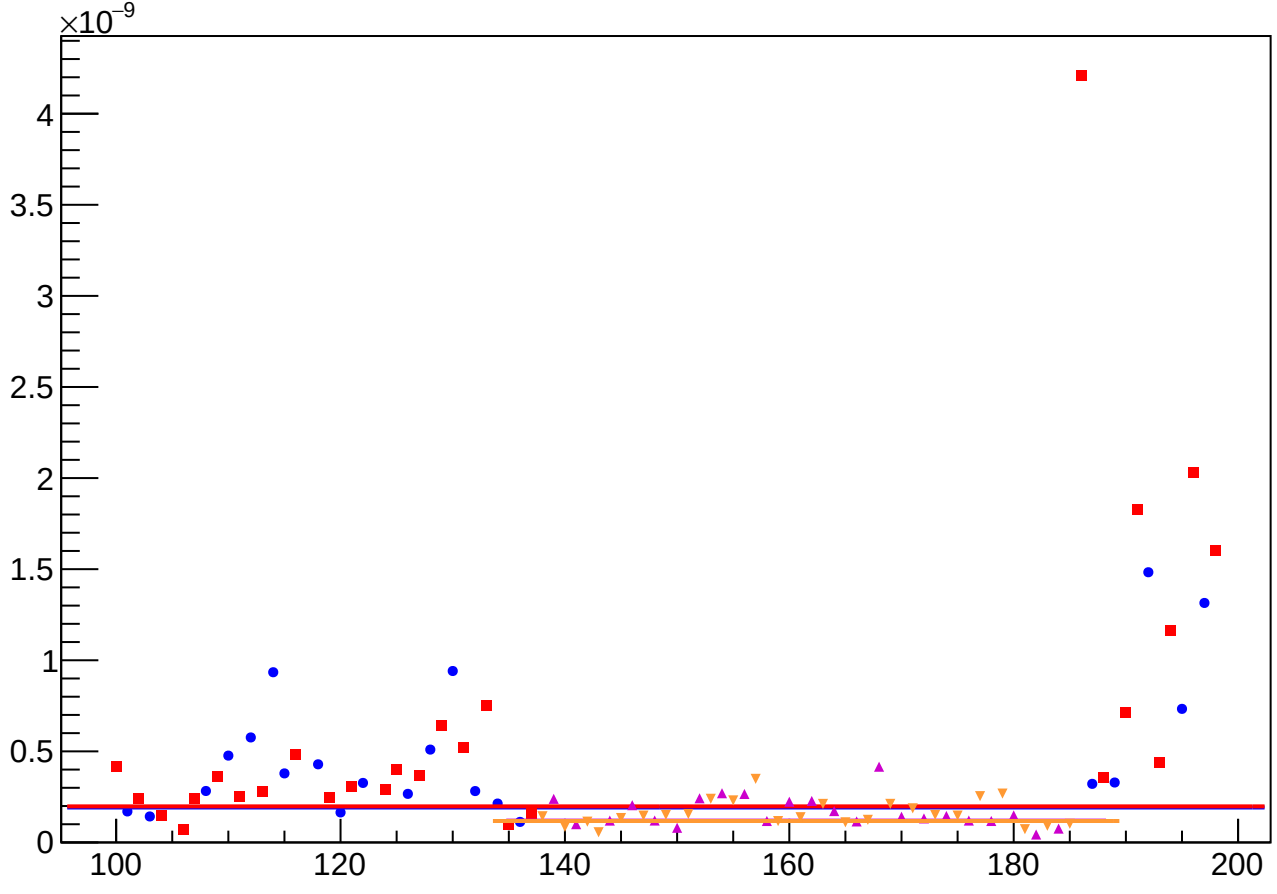
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.9/45

All: 0.000+/-0.000 χ^2/NDF: 122.1/95

- sign 0.000+/-0.000 χ^2/NDF: 74.4/49

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3157992.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4417391.6/26

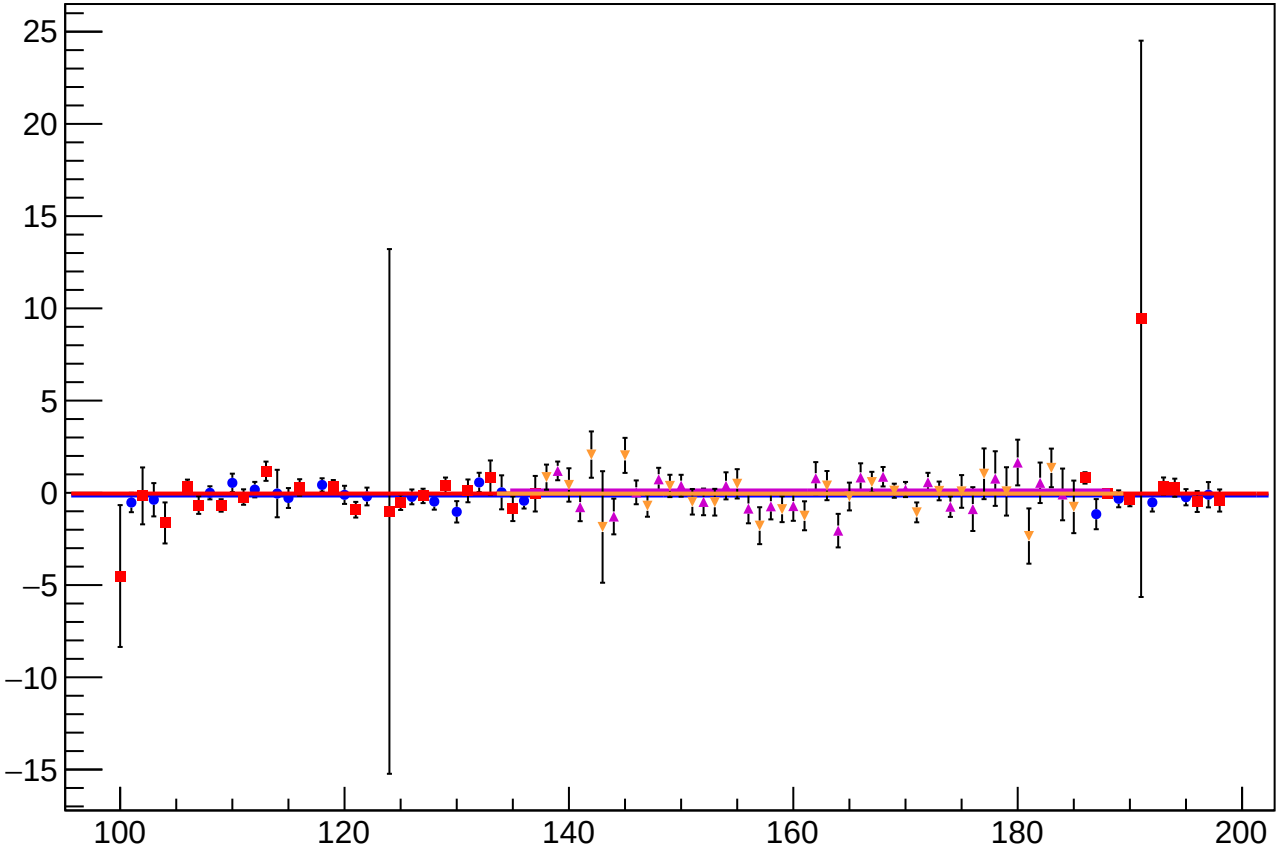
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6172968.0/45

All: 0.000+/-0.000 χ^2/NDF: 13981171.2/95

- sign 0.000+/-0.000 χ^2/NDF: 7801823.8/49

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.039+/-0.085 χ^2/NDF: 36.9/26

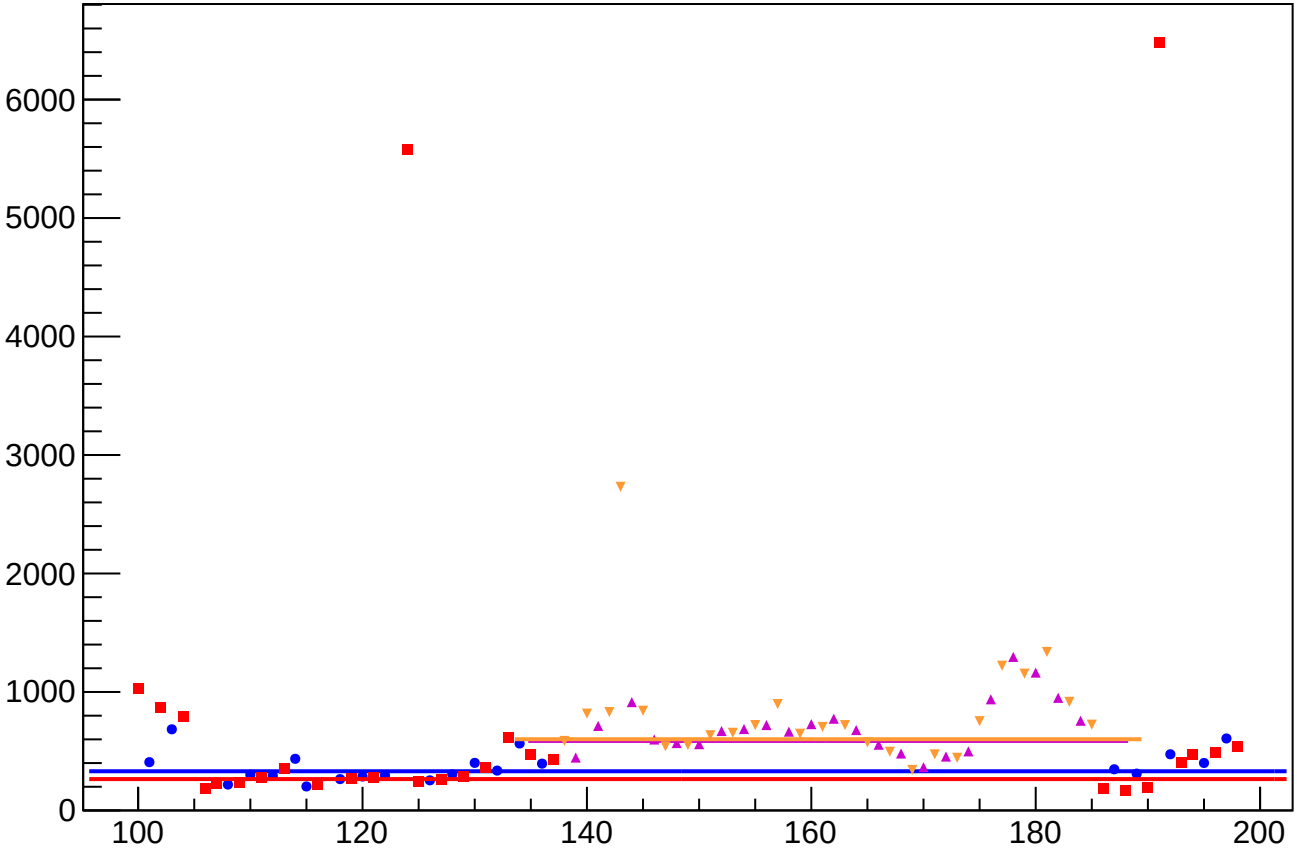
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.087 χ^2/NDF: 43.8/45

All: -0.043+/-0.056 χ^2/NDF: 111.7/95

- sign 0.004+/-0.074 χ^2/NDF: 67.0/49

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 330.893+/-0.077 χ^2/NDF: 1627477.5/20

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

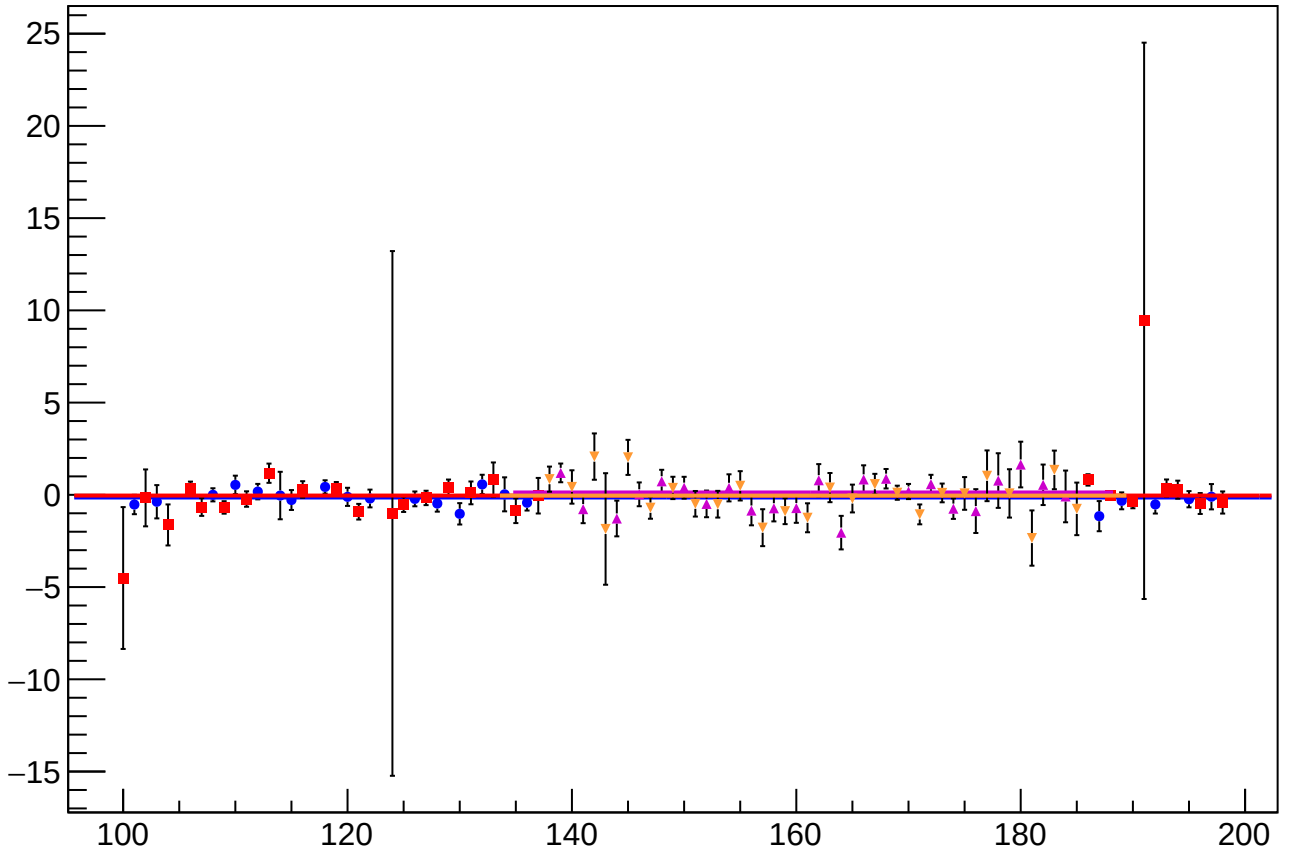
Right Out: 264.761+/-0.060 χ^2/NDF: 4323246.4/26

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 425.746+/-0.062 χ^2/NDF: 10447328.0/45

All: 380.082+/-0.040 χ^2/NDF: 25946655.9/95

- sign 347.637+/-0.052 χ^2/NDF: 14565099.4/49



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.039+/-0.085 χ^2/NDF: 36.9/26

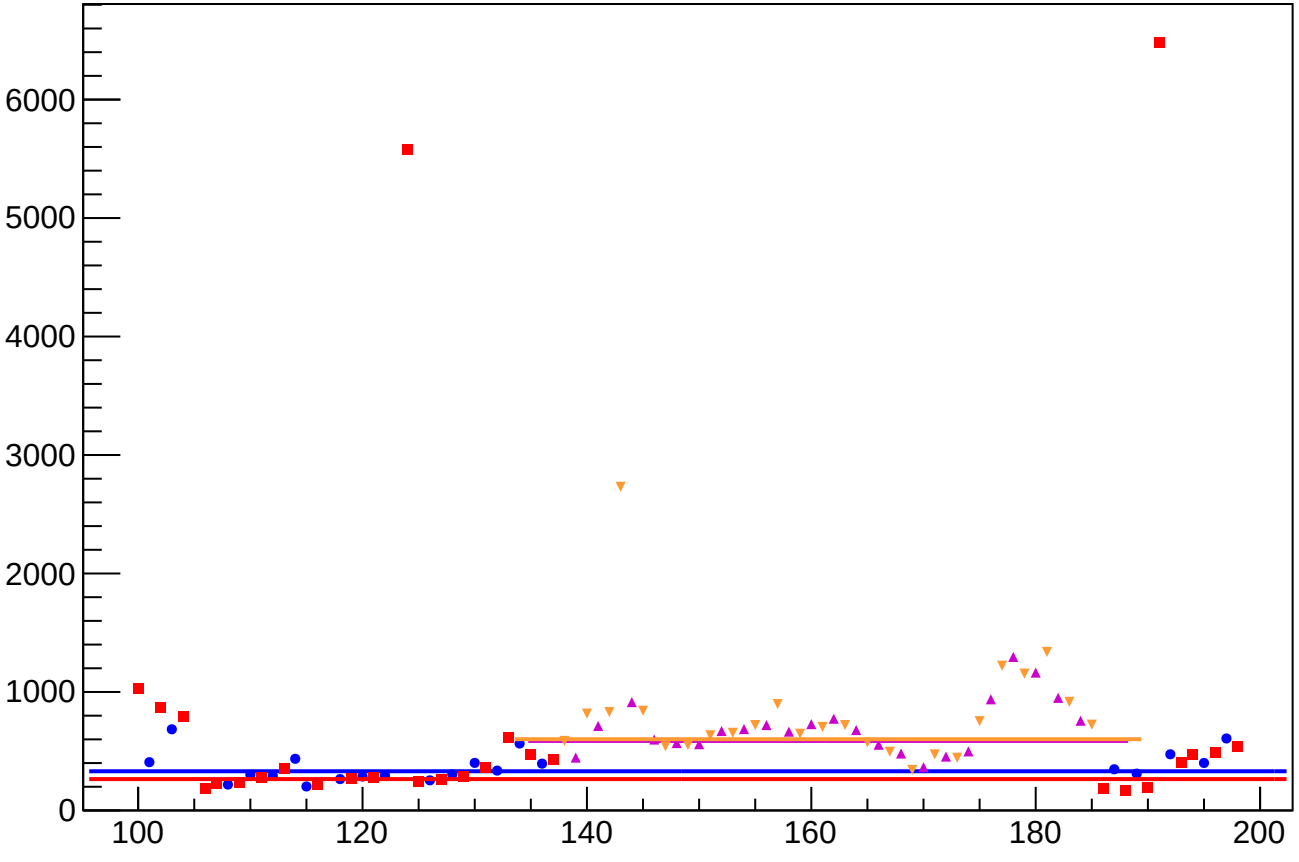
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.087 χ^2/NDF: 43.8/45

All: -0.043+/-0.056 χ^2/NDF: 111.7/95

- sign 0.004+/-0.074 χ^2/NDF: 67.0/49

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 330.893+/-0.077 χ^2/NDF: 1627477.5/20

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 264.761+/-0.060 χ^2/NDF: 4323246.4/26

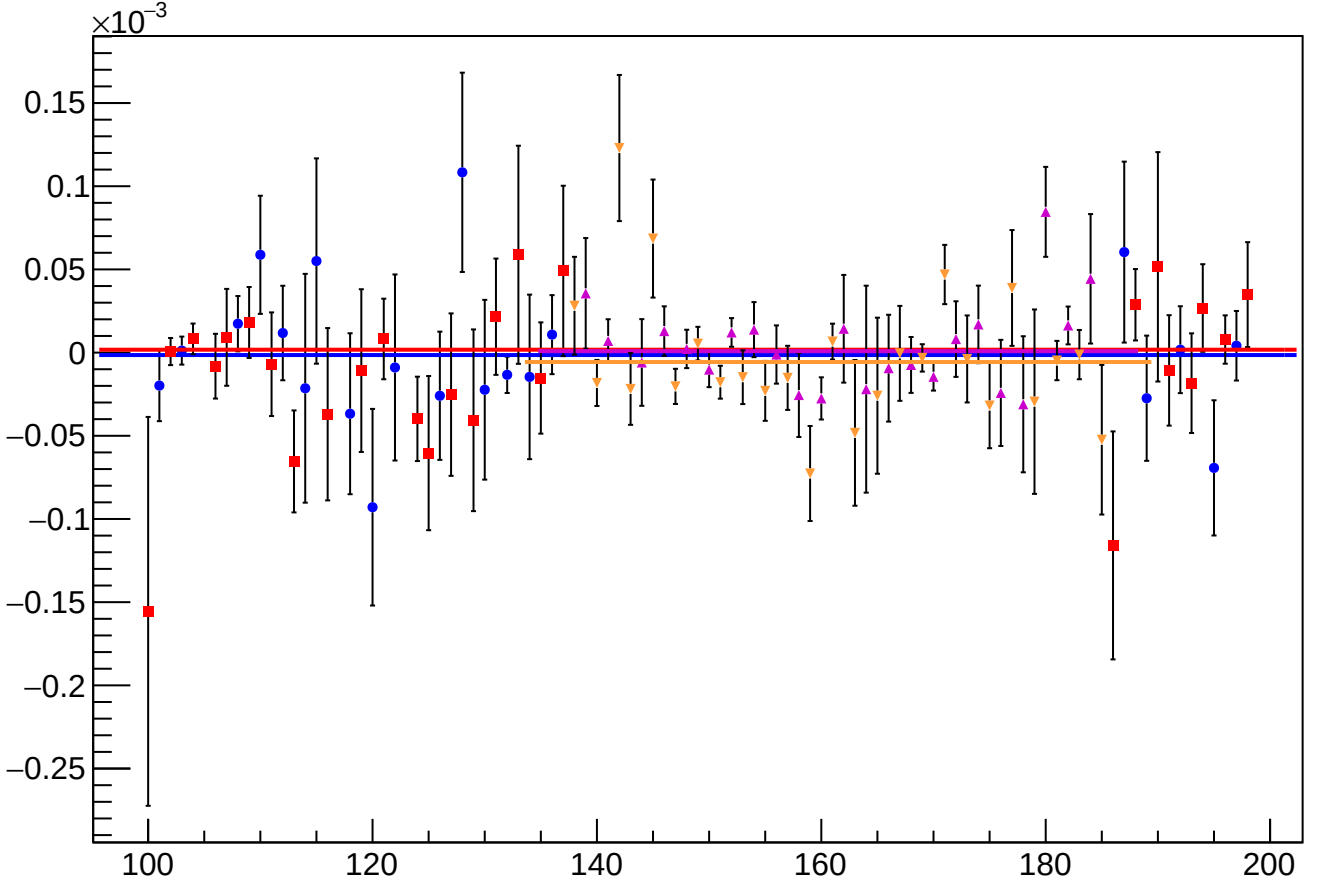
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 425.746+/-0.062 χ^2/NDF: 10447328.0/45

All: 380.082+/-0.040 χ^2/NDF: 25946655.9/95

- sign 347.637+/-0.052 χ^2/NDF: 14565099.4/49

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/26

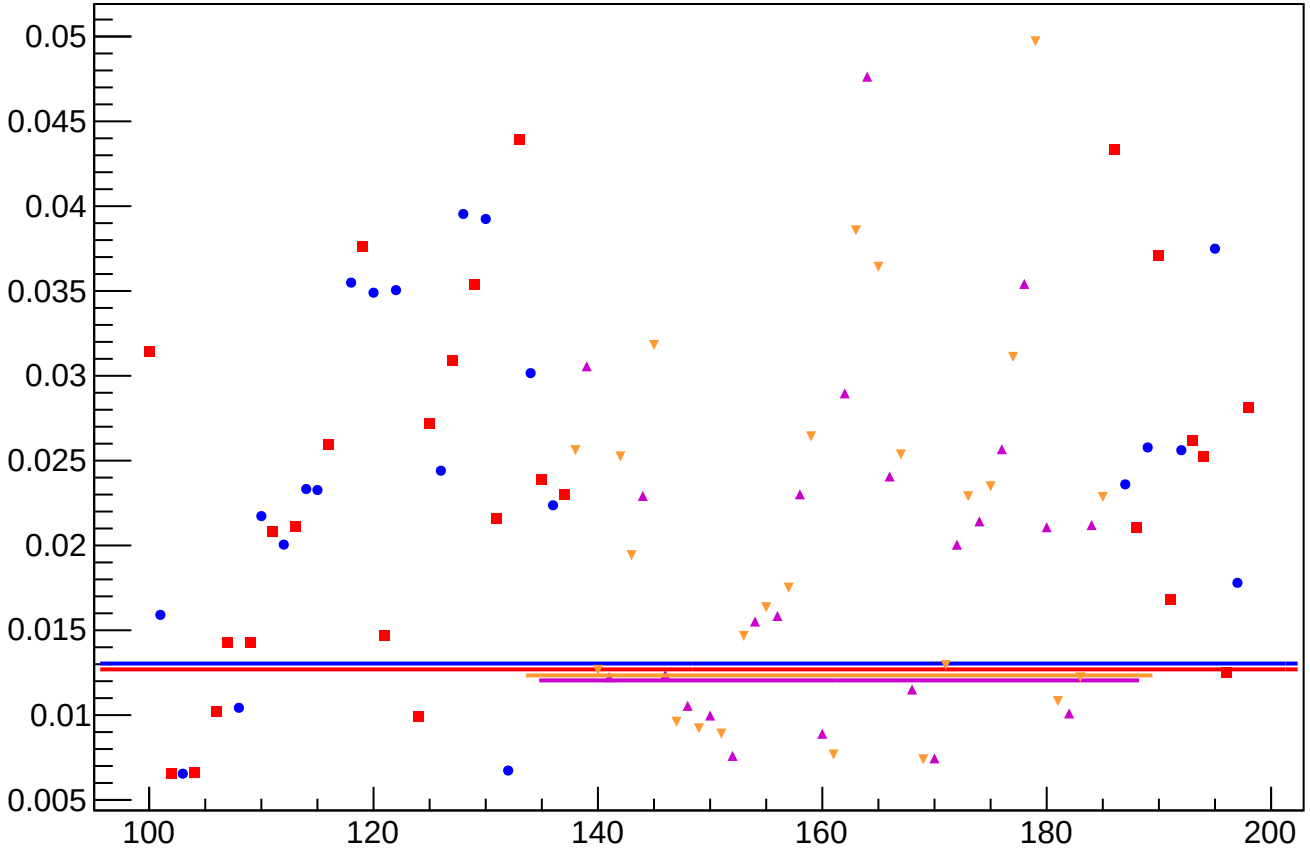
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.3/45

All: -0.000+/-0.000 χ^2/NDF: 119.0/95

- sign 0.000+/-0.000 χ^2/NDF: 54.5/49

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 6478435.9/20

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 7109387.1/26

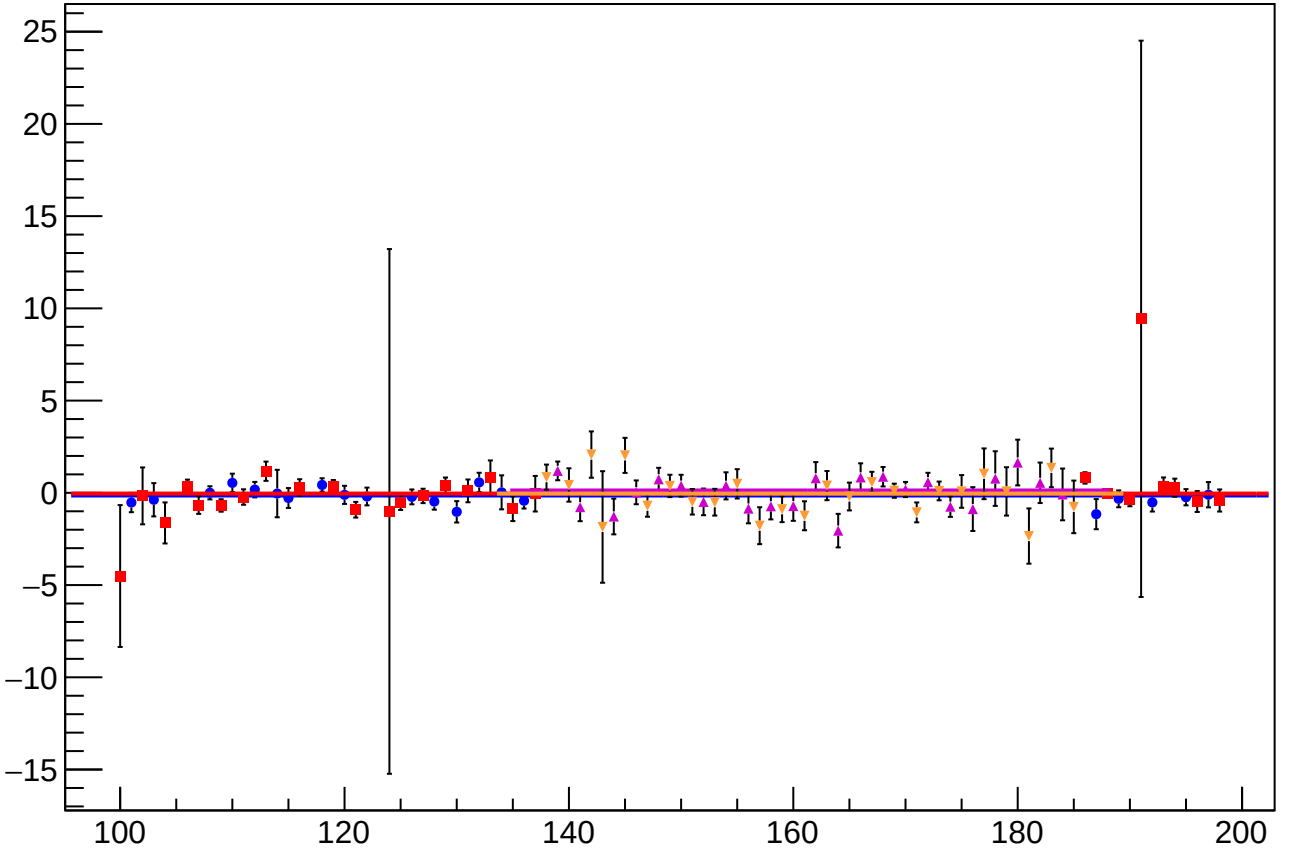
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 14345499.4/45

All: 0.012+/-0.000 χ^2/NDF: 27873266.2/95

- sign 0.012+/-0.000 χ^2/NDF: 13517875.2/49

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.039+/-0.085 χ^2/NDF: 36.9/26

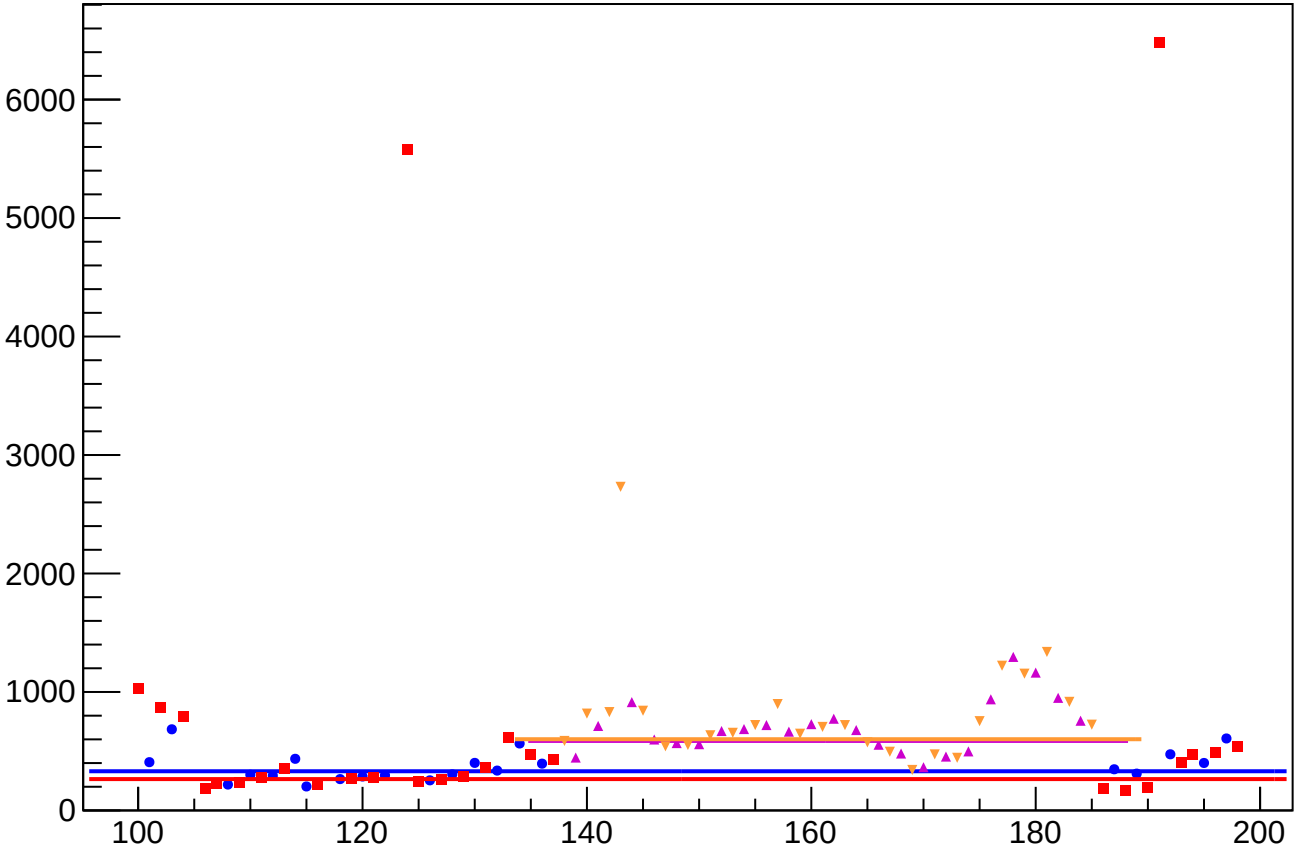
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.087 χ^2/NDF: 43.8/45

All: -0.043+/-0.056 χ^2/NDF: 111.7/95

- sign 0.004+/-0.074 χ^2/NDF: 67.0/49

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 330.891+/-0.077 χ^2/NDF: 1627447.5/20

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

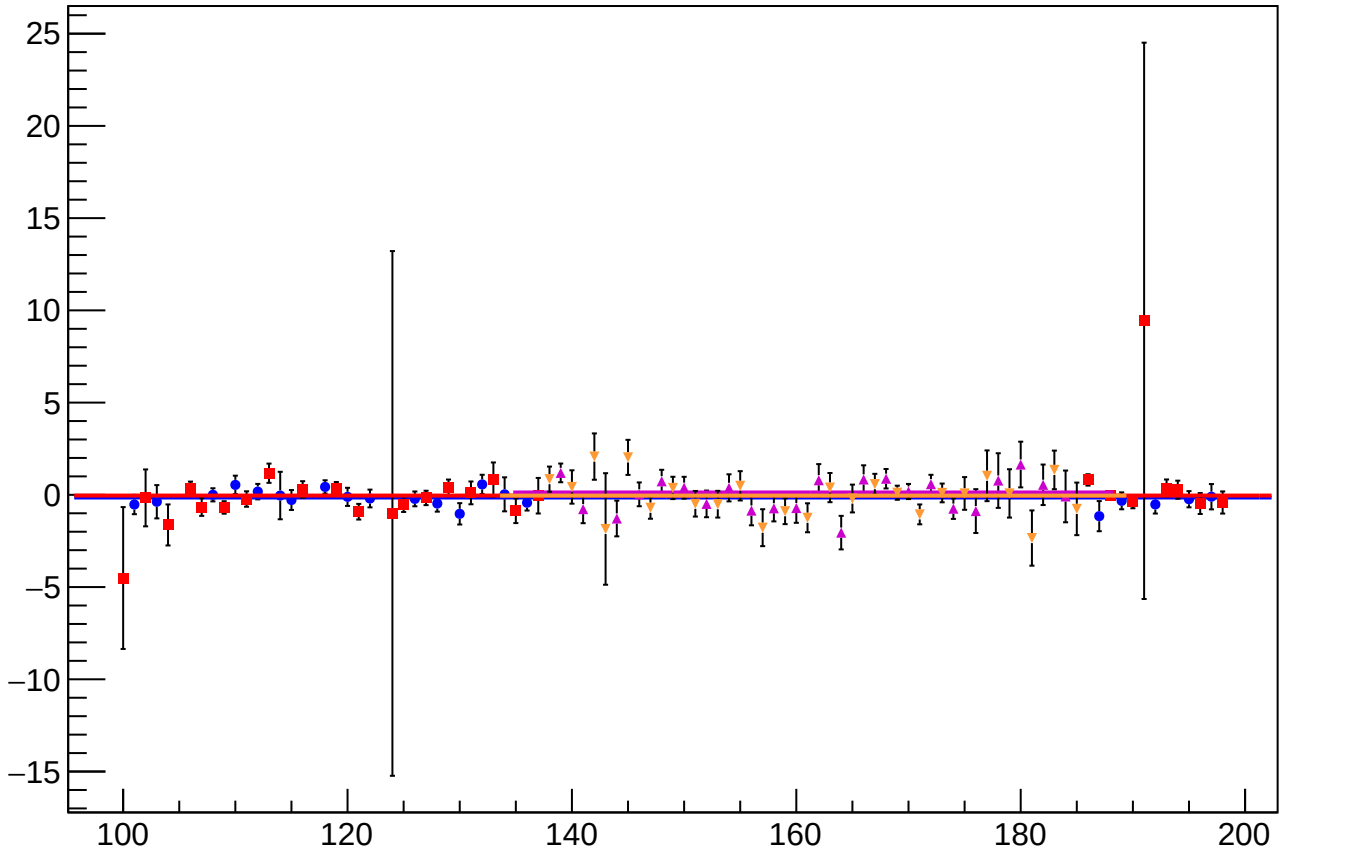
Right Out: 264.754+/-0.060 χ^2/NDF: 4323489.6/26

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 425.744+/-0.062 χ^2/NDF: 10447560.7/45

All: 380.076+/-0.040 χ^2/NDF: 25947855.2/95

- sign 347.629+/-0.052 χ^2/NDF: 14565916.5/49



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

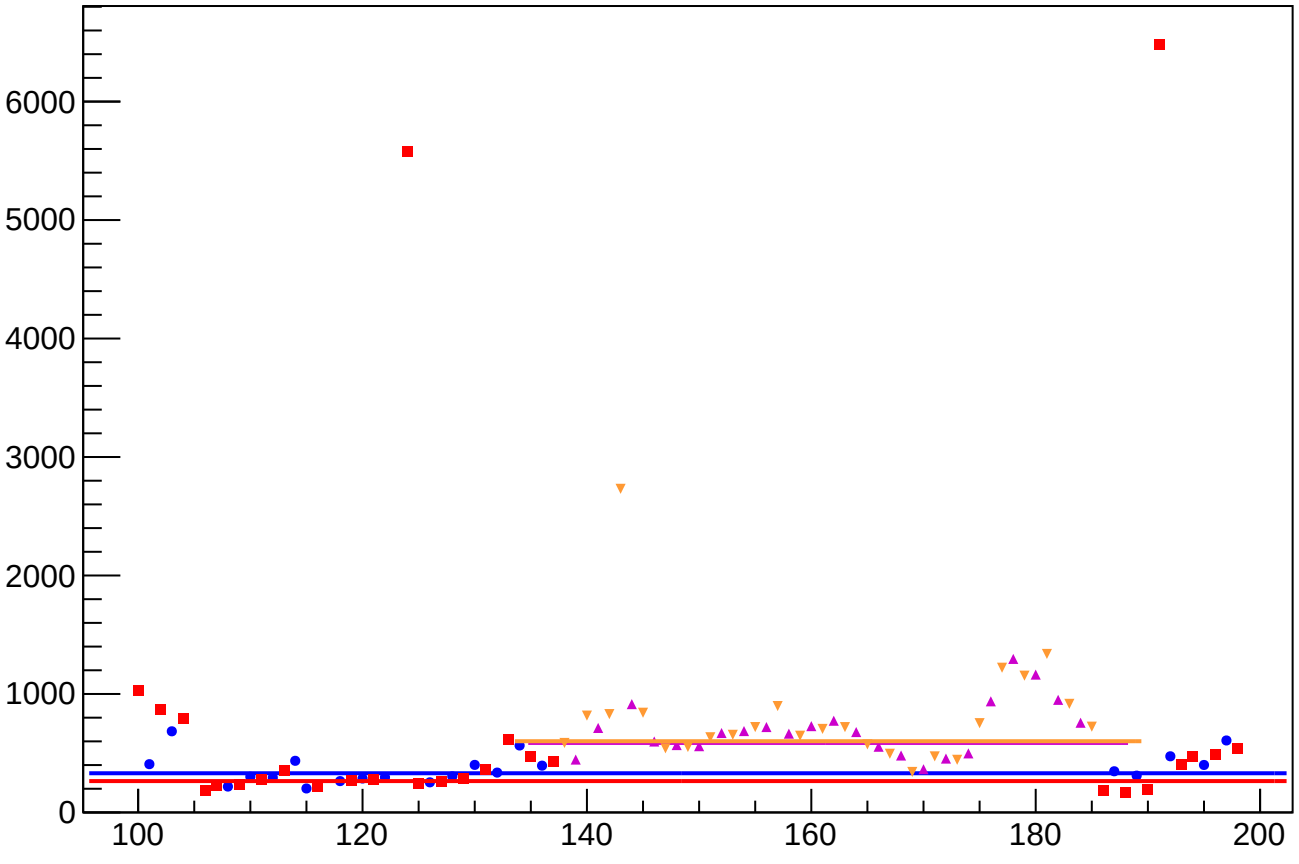
Right Out: -0.039+/-0.085 χ^2/NDF: 36.9/26

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

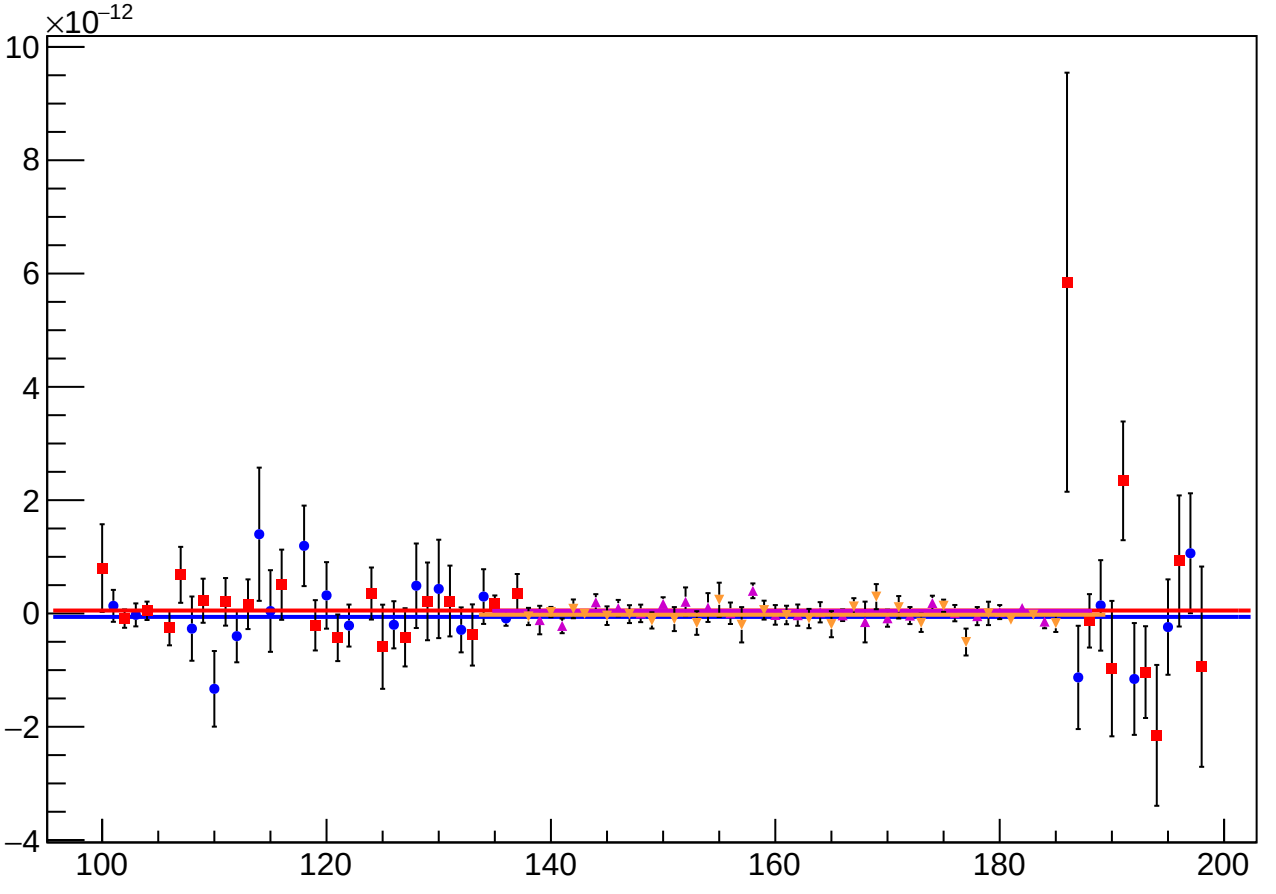
+ sign -0.108+/-0.087 χ^2/NDF: 43.8/45

All: -0.043+/-0.056 χ^2/NDF: 111.7/95

- sign 0.004+/-0.074 χ^2/NDF: 67.0/49


asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 330.891+/-0.077 χ²/NDF: 1627447.5/20
Left Out: 601.214+/-0.104 χ²/NDF:4460662.1/24
Right Out: 264.754+/-0.060 χ²/NDF: 4323489.6/26
Left In: 586.820+/-0.103 χ²/NDF:2934613.3/22
+ sign 425.744+/-0.062 χ²/NDF: 10447560.7/45
All: 380.076+/-0.040 χ²/NDF: 25947855.2/95
- sign 347.629+/-0.052 χ²/NDF: 14565916.5/49

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

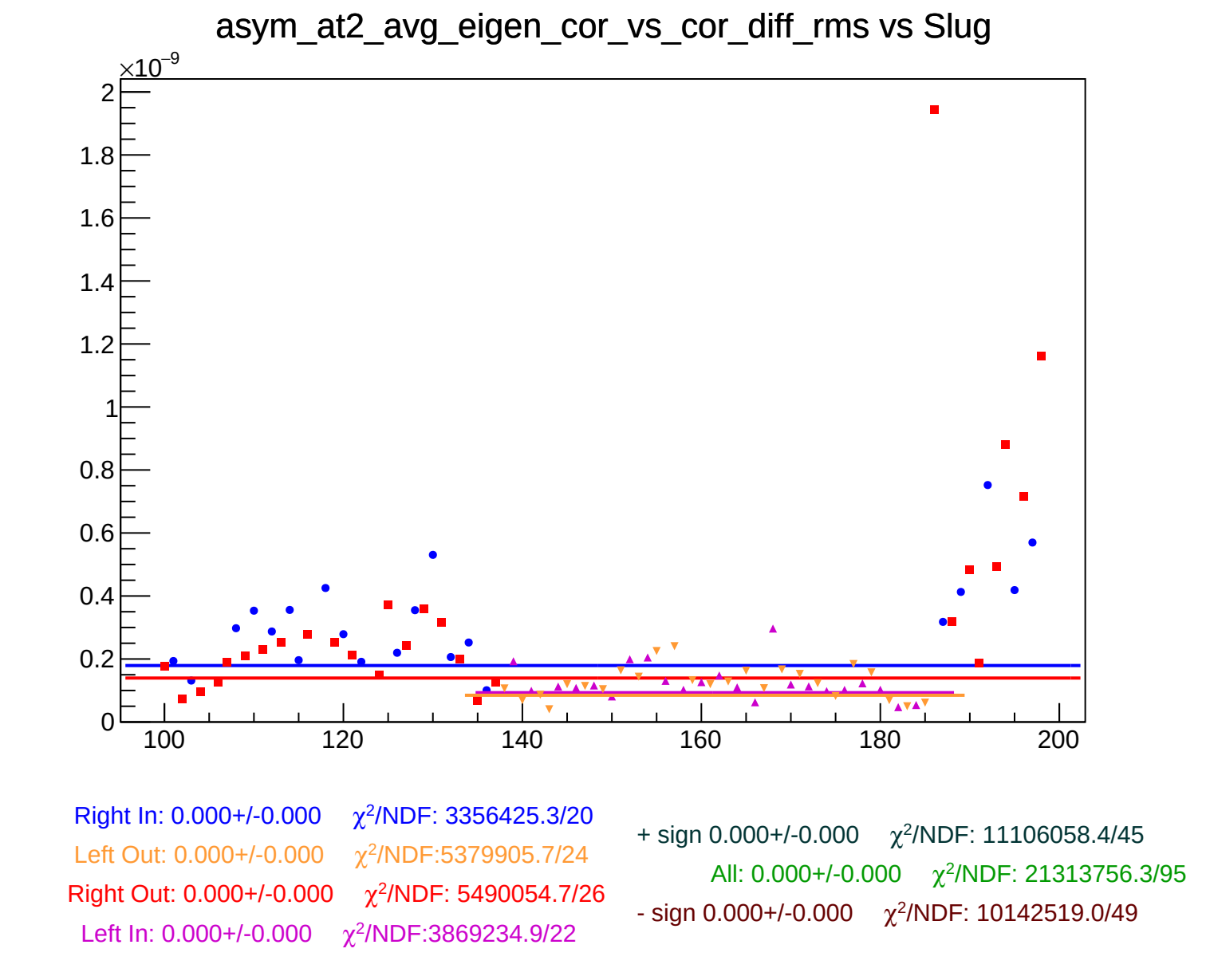
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/26

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

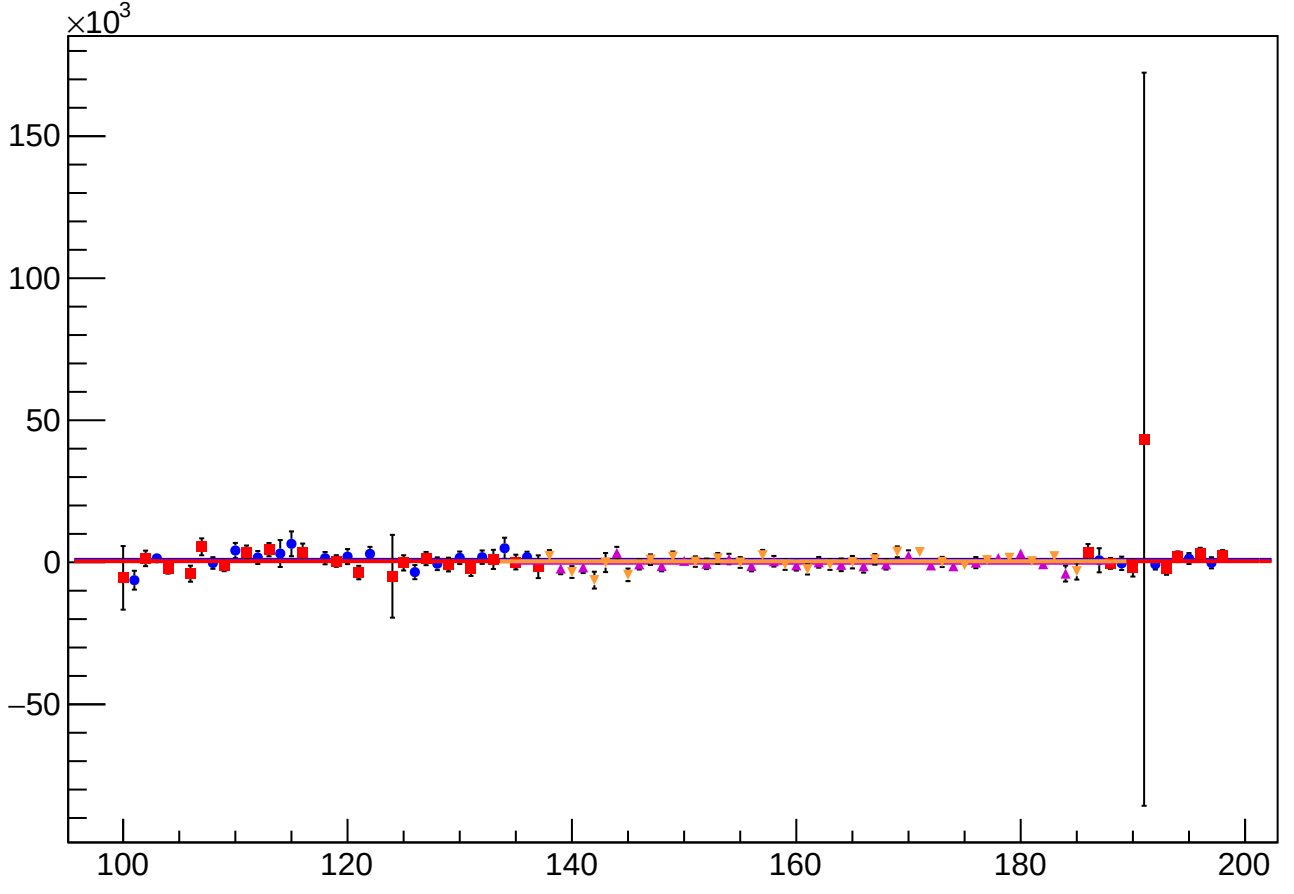
+ sign -0.000+/-0.000 χ^2/NDF: 32.4/45

All: 0.000+/-0.000 χ^2/NDF: 83.7/95

- sign 0.000+/-0.000 χ^2/NDF: 47.4/49


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: 3356425.3/20
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5490054.7/26
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
+ sign 0.000+/-0.000 χ²/NDF: 11106058.4/45
All: 0.000+/-0.000 χ²/NDF: 21313756.3/95
- sign 0.000+/-0.000 χ²/NDF: 10142519.0/49

reg_asym_at2_dd_mean vs Slug



Right In: 858.184+/-515.894 χ^2/NDF: 16.0/20

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 404.196+/-482.382 χ^2/NDF: 26.2/26

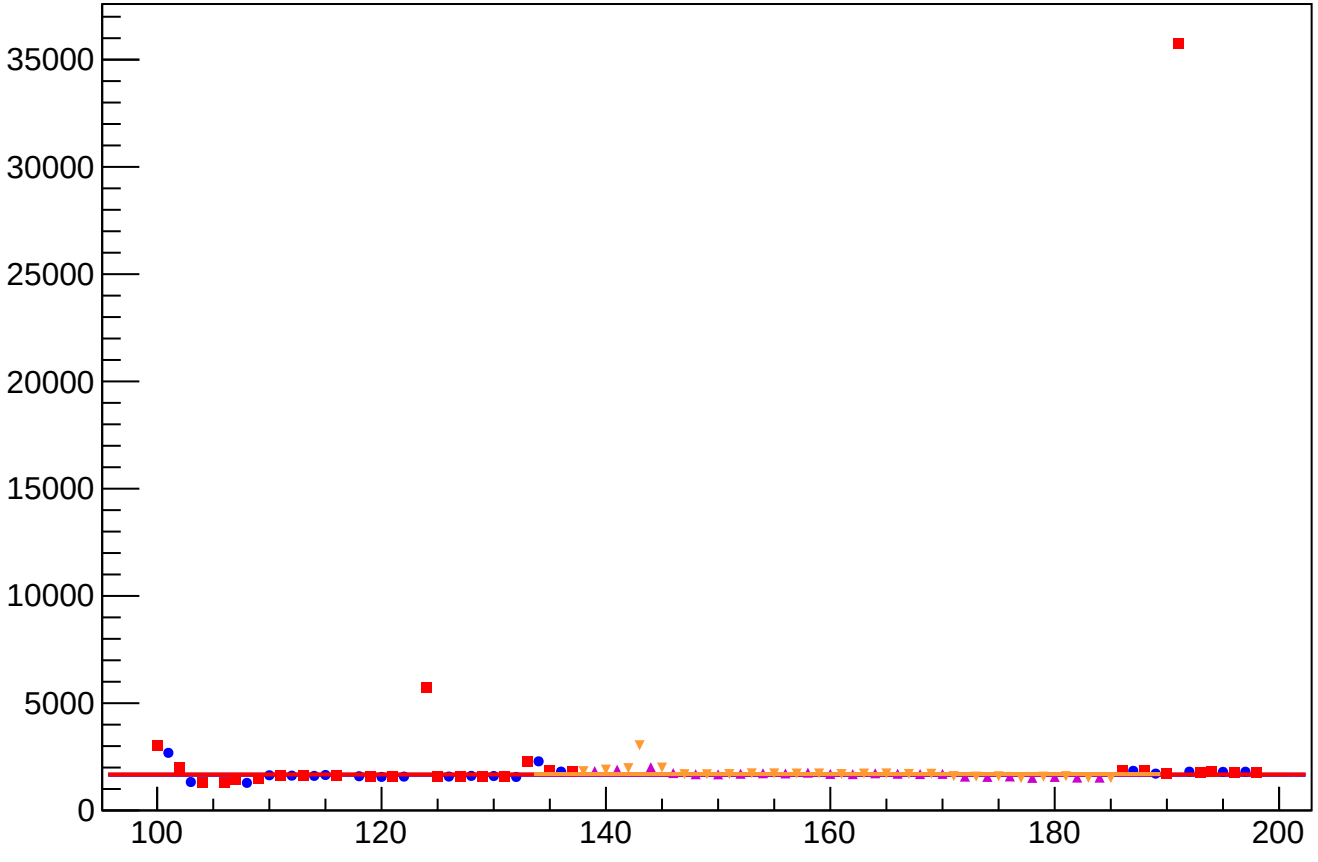
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 541.114+/-310.155 χ^2/NDF: 46.2/45

All: 300.664+/-217.564 χ^2/NDF: 90.4/95

- sign 67.731+/-305.268 χ^2/NDF: 43.0/49

reg_asym_at2_dd_rms vs Slug



Right In: 1663.875+/-0.365 χ^2/NDF: 455313.3/20

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

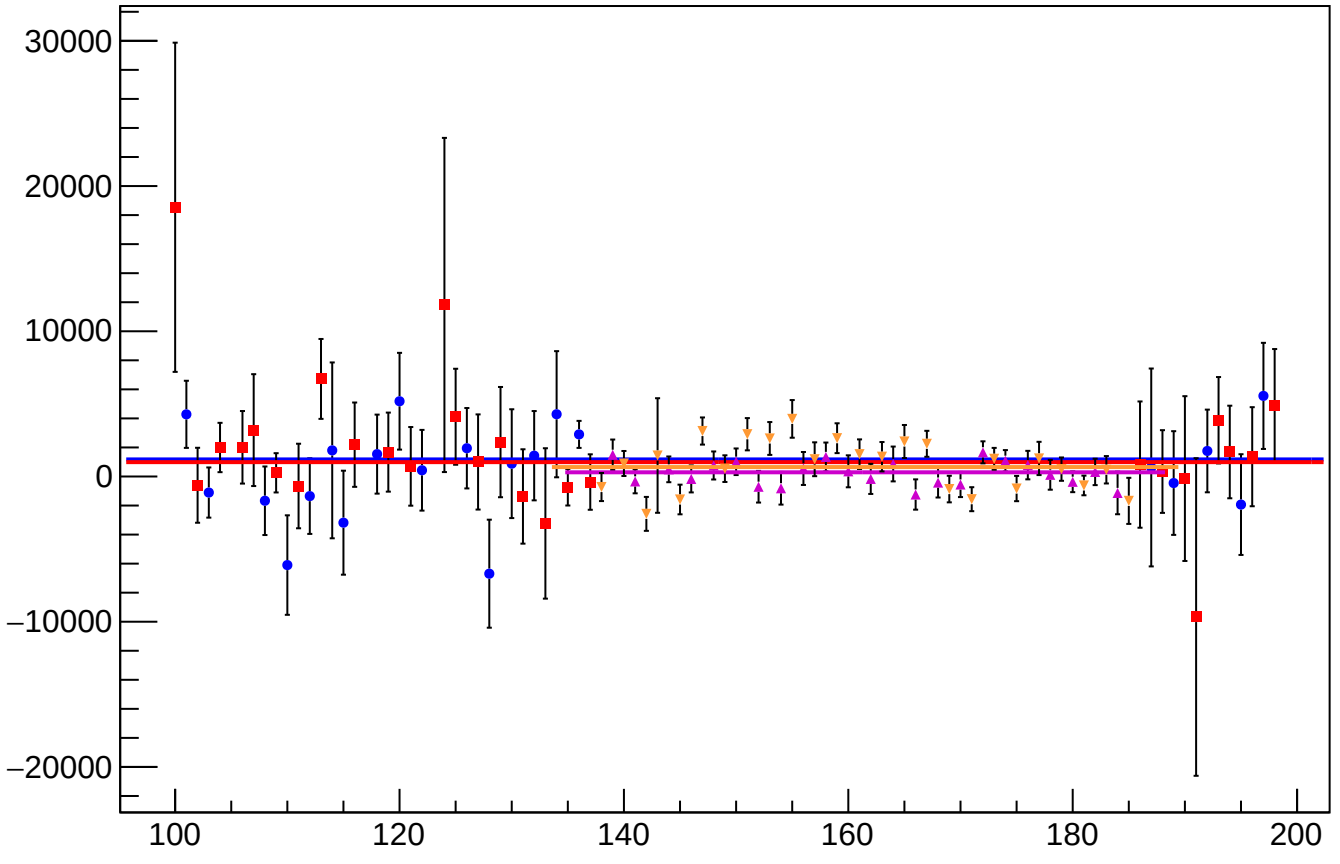
Right Out: 1677.417+/-0.341 χ^2/NDF: 660694.9/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.344+/-0.219 χ^2/NDF: 956135.0/45

All: 1683.498+/-0.154 χ^2/NDF: 1782589.3/95

- sign 1681.709+/-0.216 χ^2/NDF: 826314.7/49



Right In: 1175.961+/-545.243 χ^2/NDF: 24.5/20

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 988.909+/-513.227 χ^2/NDF: 17.4/26

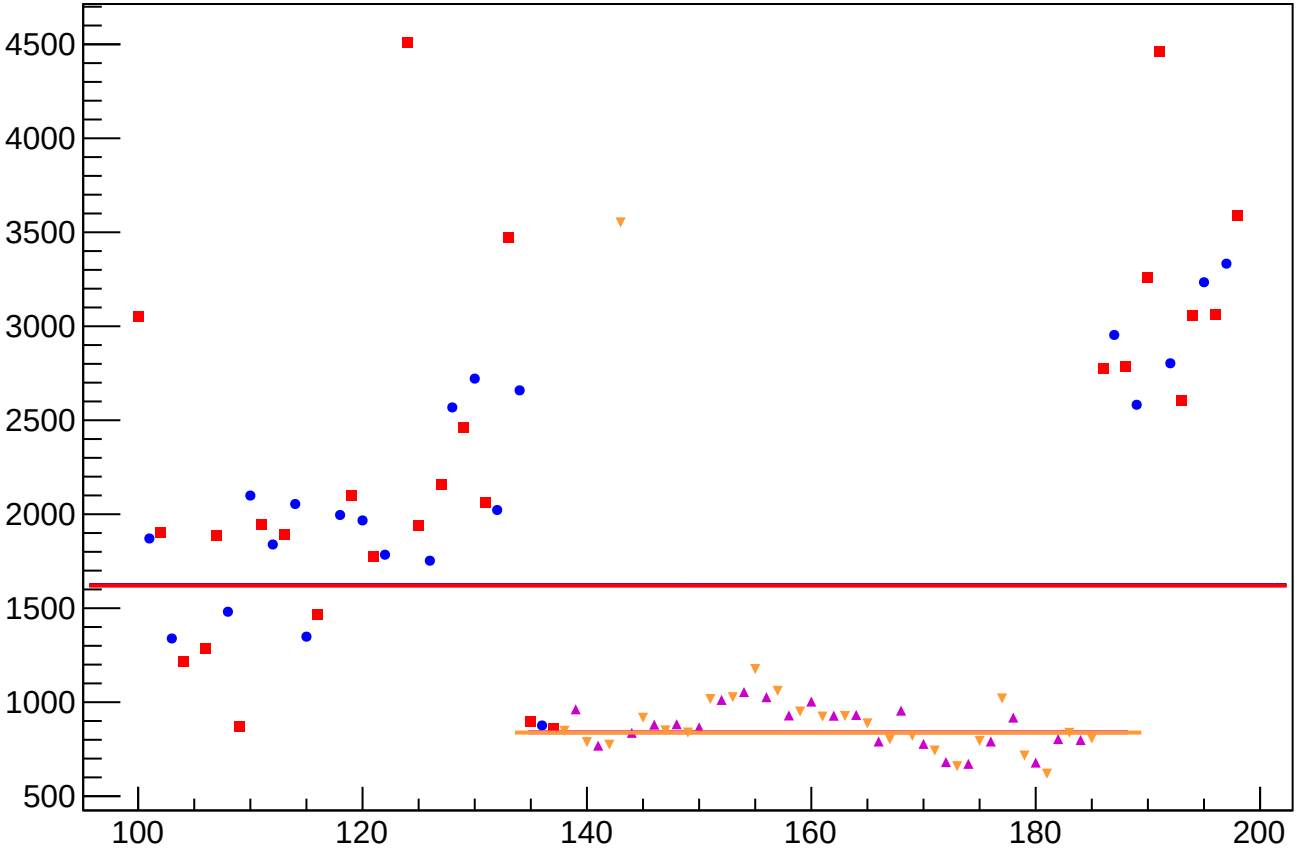
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

\+ sign 709.269+/-184.170 χ^2/NDF: 90.8/45

All: 545.359+/-130.566 χ^2/NDF: 127.9/95

\- sign 379.736+/-185.130 χ^2/NDF: 35.5/49

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1623.162+/-0.386 χ^2/NDF: 3400240.2/20

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1620.380+/-0.363 χ^2/NDF: 4784146.2/26

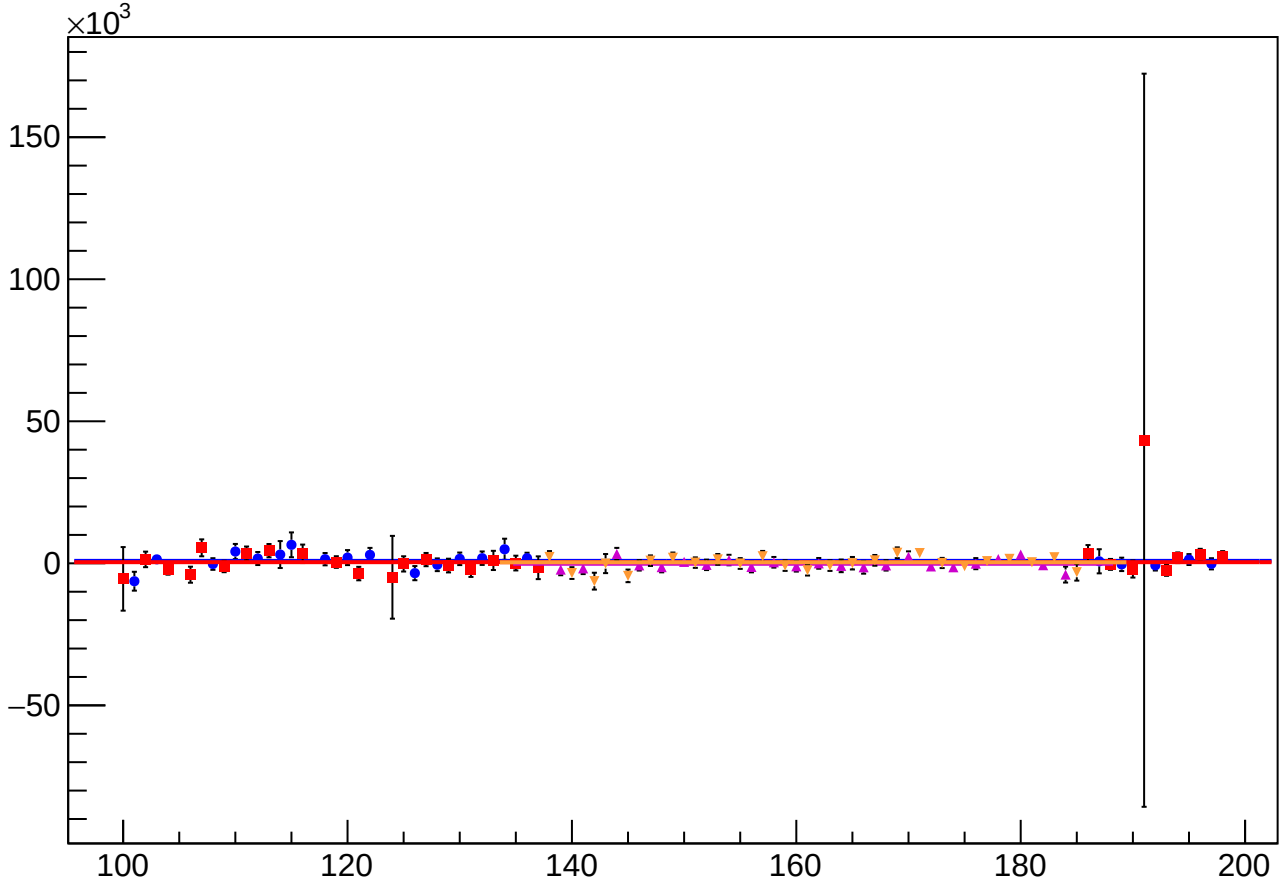
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 927.796+/-0.130 χ^2/NDF: 8872361.4/45

All: 934.623+/-0.092 χ^2/NDF: 18354011.5/95

- sign 941.520+/-0.131 χ^2/NDF: 9476126.0/49

cor_asym_at2_dd_mean vs Slug



Right In: 858.154+/-515.894 χ^2/NDF: 16.0/20

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 404.407+/-482.382 χ^2/NDF: 26.2/26

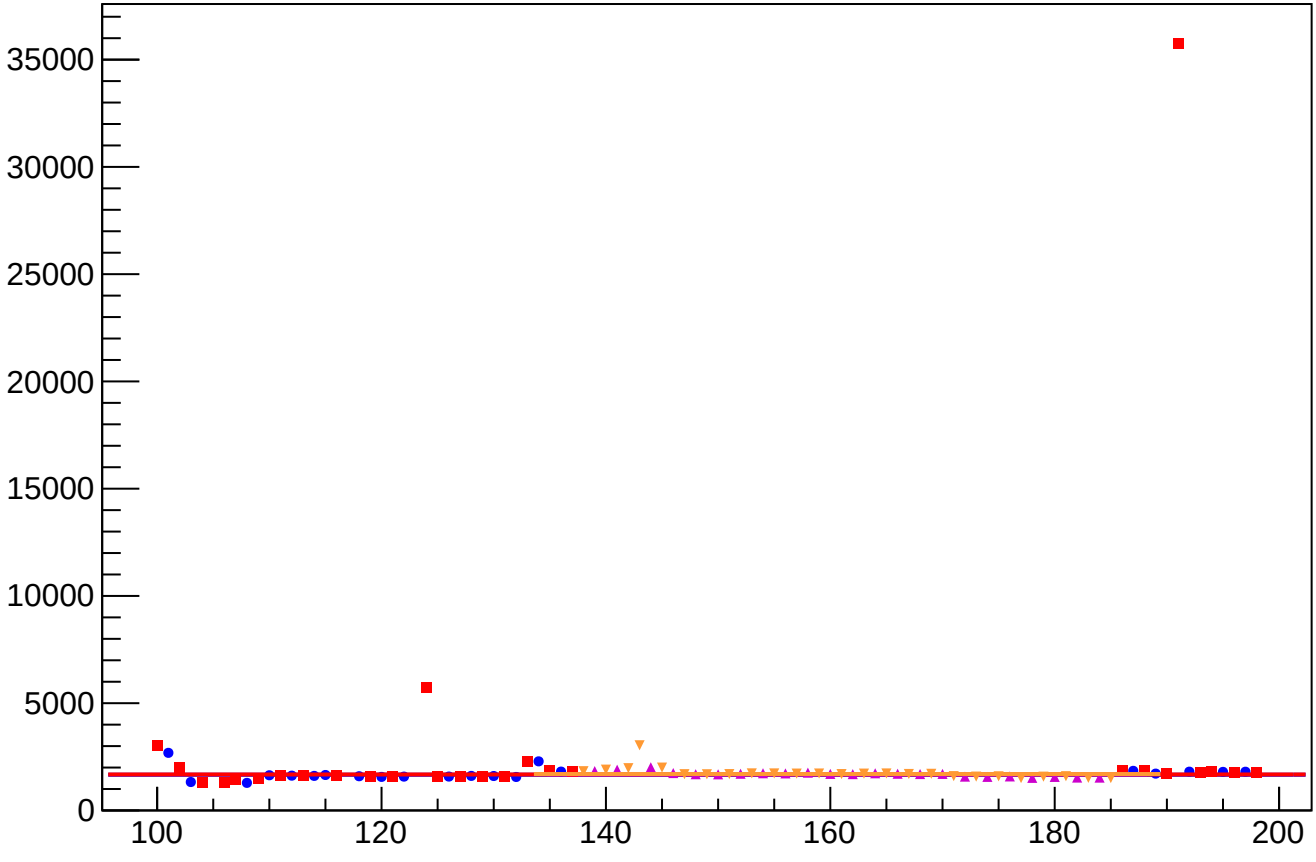
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 541.049+/-310.155 χ^2/NDF: 46.2/45

All: 300.703+/-217.564 χ^2/NDF: 90.4/95

- sign 67.872+/-305.268 χ^2/NDF: 43.0/49

cor_asym_at2_dd_rms vs Slug



Right In: 1663.875+/-0.365 χ^2/NDF: 455313.6/20

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

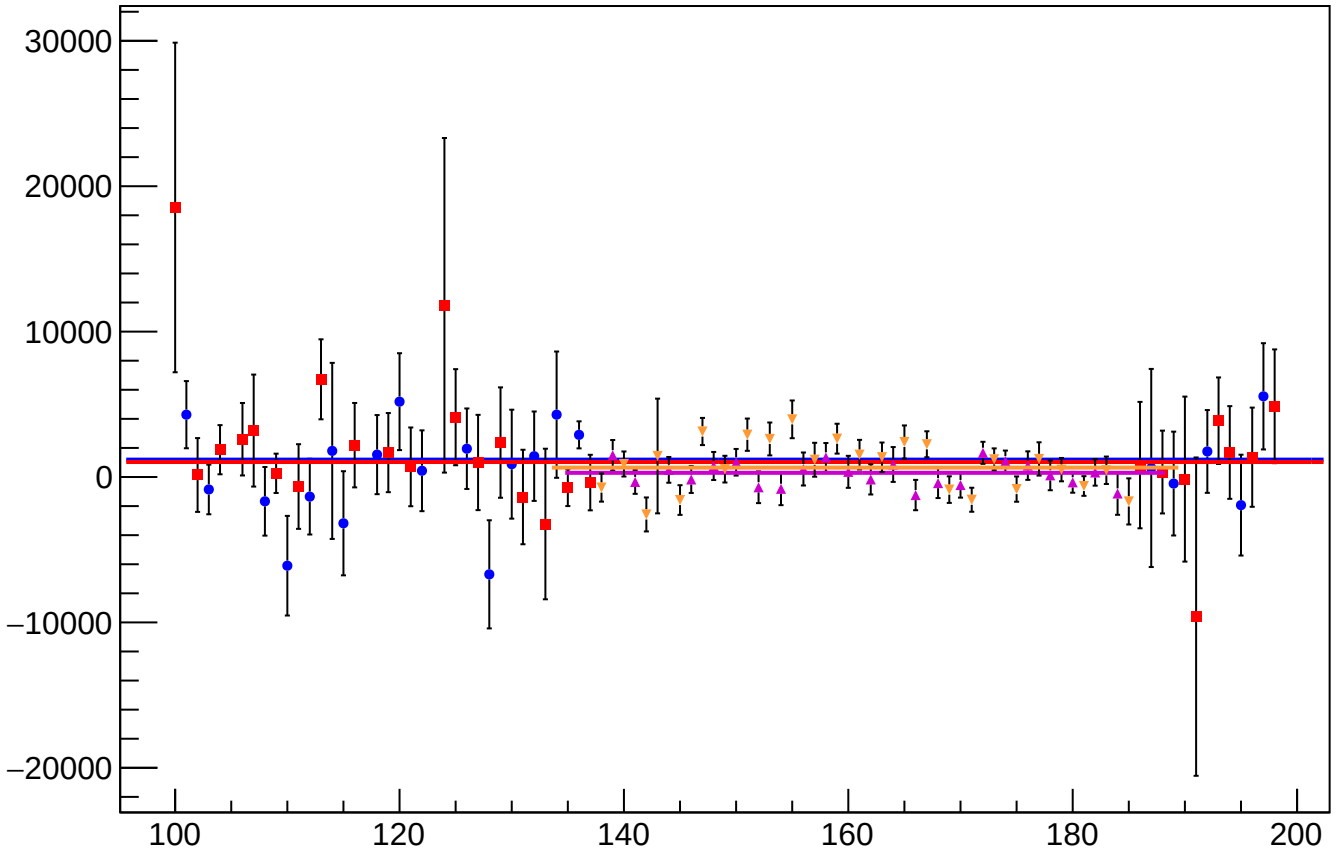
Right Out: 1677.417+/-0.341 χ^2/NDF: 660695.0/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.344+/-0.219 χ^2/NDF: 956135.4/45

All: 1683.498+/-0.154 χ^2/NDF: 1782589.7/95

- sign 1681.709+/-0.216 χ^2/NDF: 826314.8/49



Right In: 1196.237+/-544.557 χ^2/NDF: 24.2/20

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1032.539+/-512.625 χ^2/NDF: 17.2/26

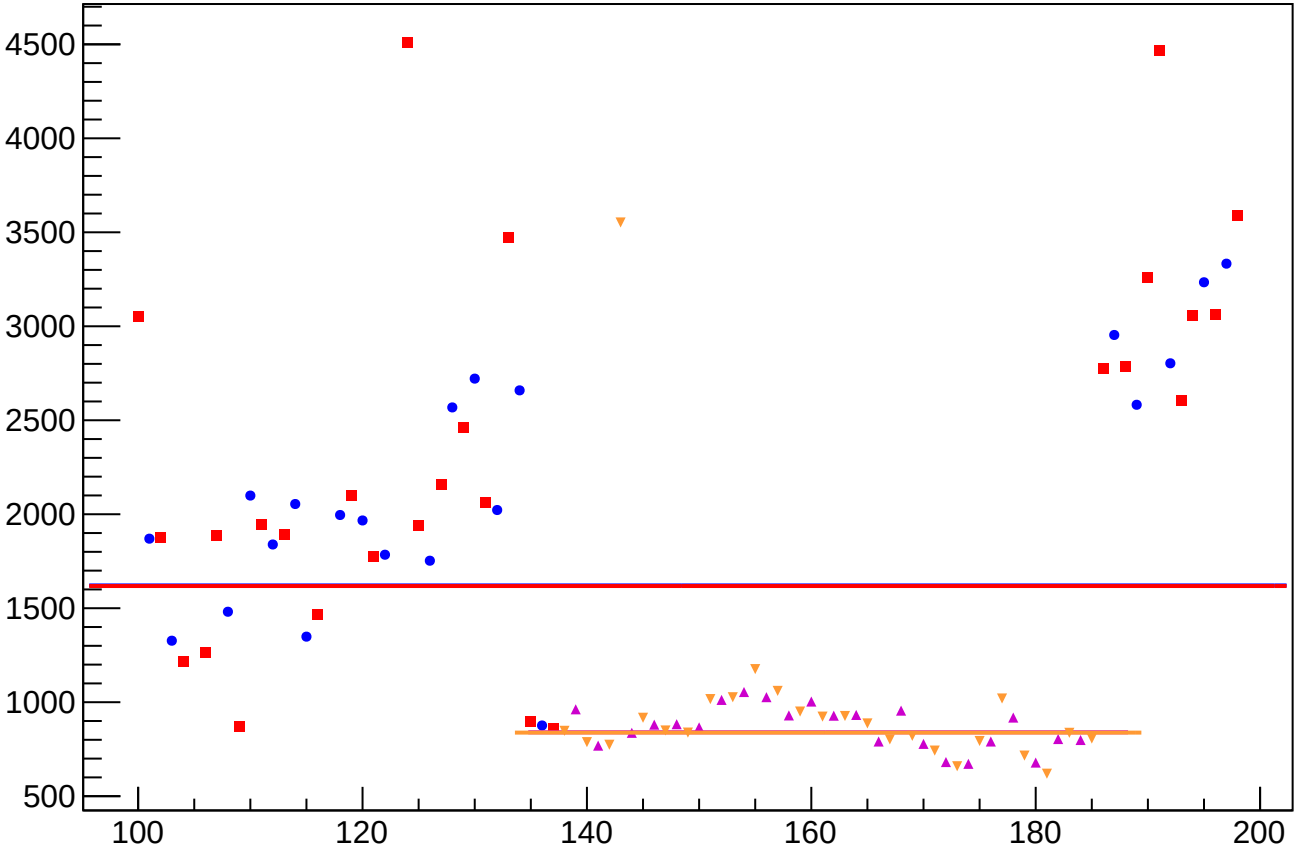
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 711.723+/-184.146 χ^2/NDF: 90.6/45

All: 549.506+/-130.548 χ^2/NDF: 127.8/95

- sign 385.599+/-185.102 χ^2/NDF: 35.6/49

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1621.229+/-0.385 χ^2/NDF: 3406037.0/20

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1618.083+/-0.362 χ^2/NDF: 4787474.5/26

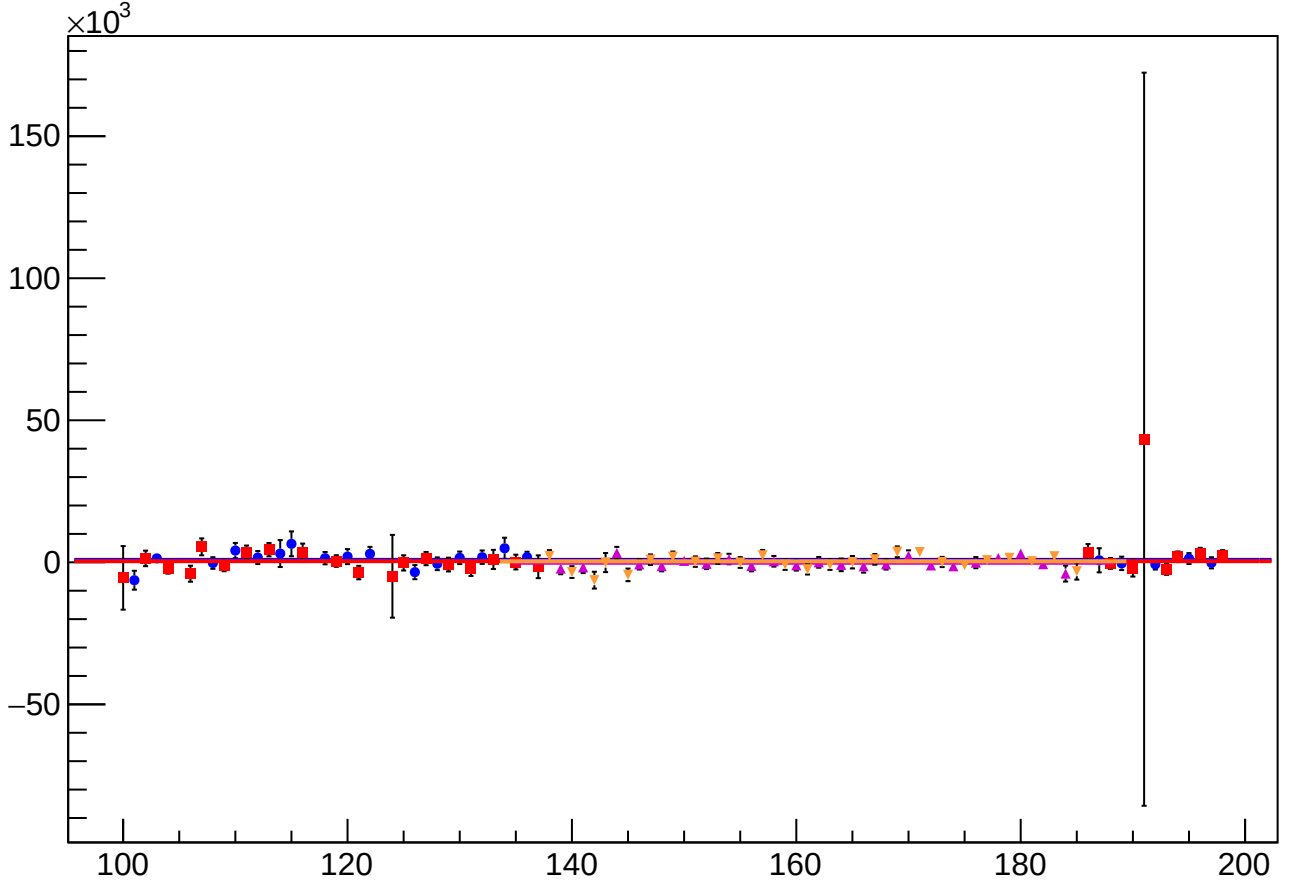
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 927.787+/-0.130 χ^2/NDF: 8868036.2/45

All: 934.574+/-0.092 χ^2/NDF: 18337443.4/95

- sign 941.431+/-0.131 χ^2/NDF: 9463946.3/49

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 858.154+/-515.894 χ^2/NDF: 16.0/20

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 404.407+/-482.382 χ^2/NDF: 26.2/26

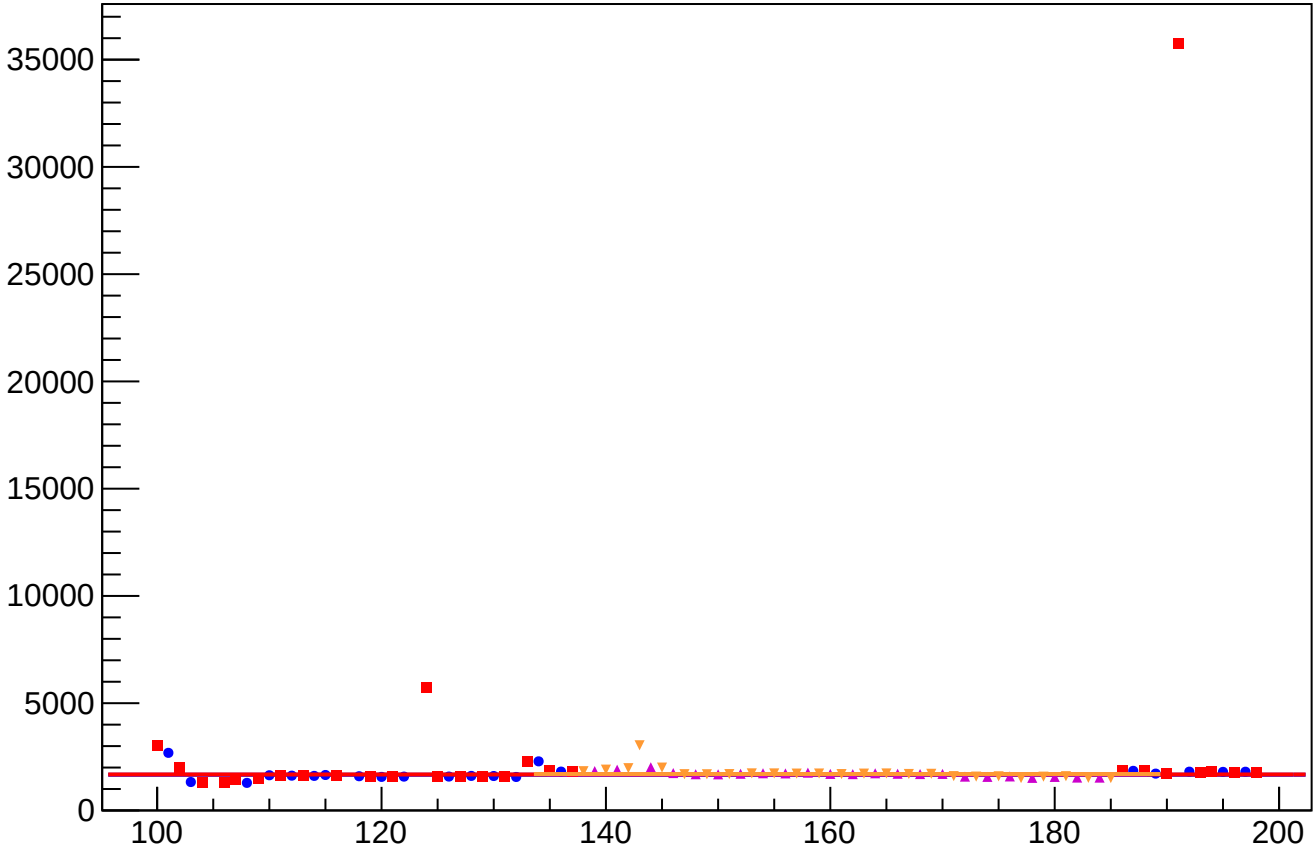
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 541.049+/-310.155 χ^2/NDF: 46.2/45

All: 300.703+/-217.564 χ^2/NDF: 90.4/95

- sign 67.872+/-305.268 χ^2/NDF: 43.0/49

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1663.875+/-0.365 χ^2/NDF: 455313.6/20

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

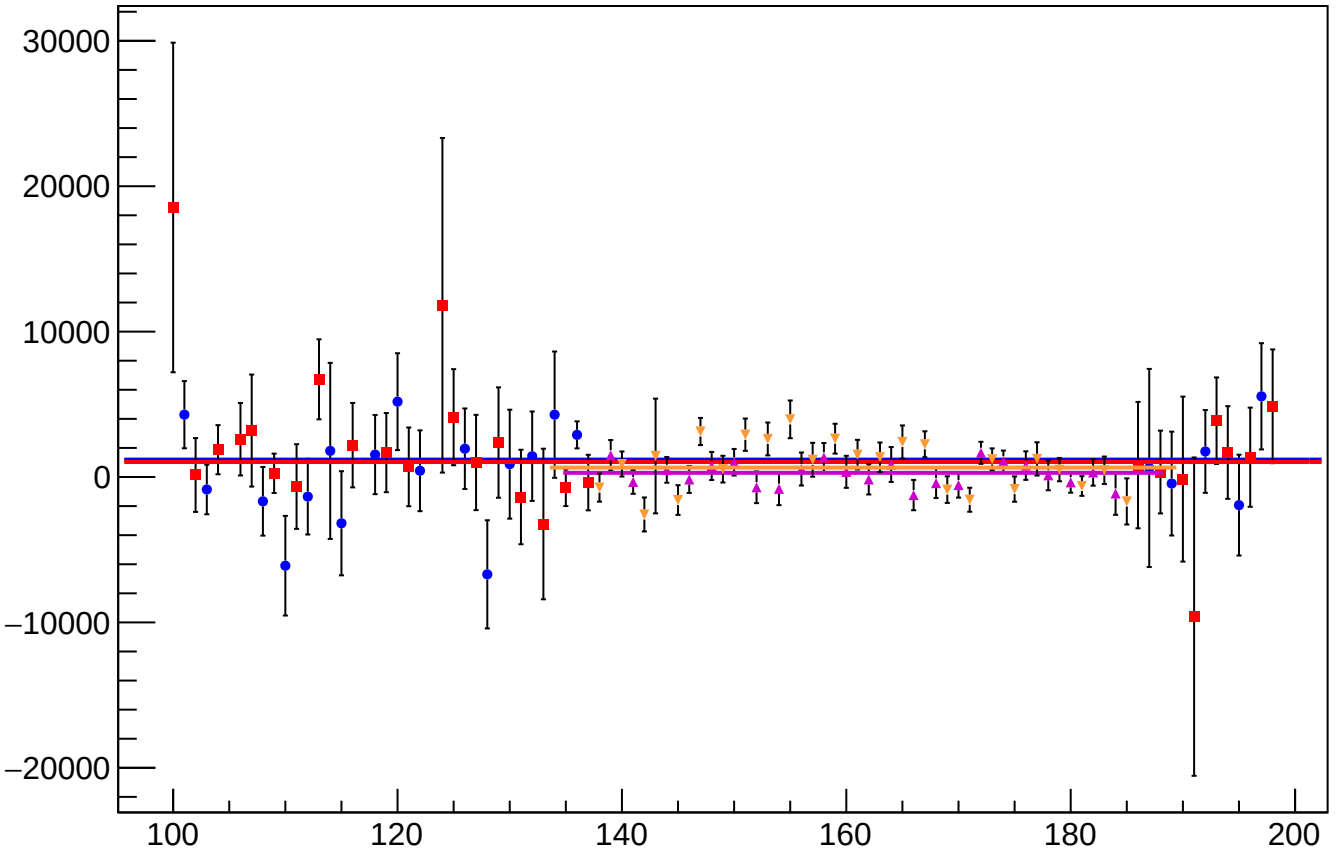
Right Out: 1677.417+/-0.341 χ^2/NDF: 660695.0/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.344+/-0.219 χ^2/NDF: 956135.4/45

All: 1683.498+/-0.154 χ^2/NDF: 1782589.7/95

- sign 1681.709+/-0.216 χ^2/NDF: 826314.8/49



Right In: 1196.237+/-544.557 χ^2/NDF: 24.2/20

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1032.539+/-512.625 χ^2/NDF: 17.2/26

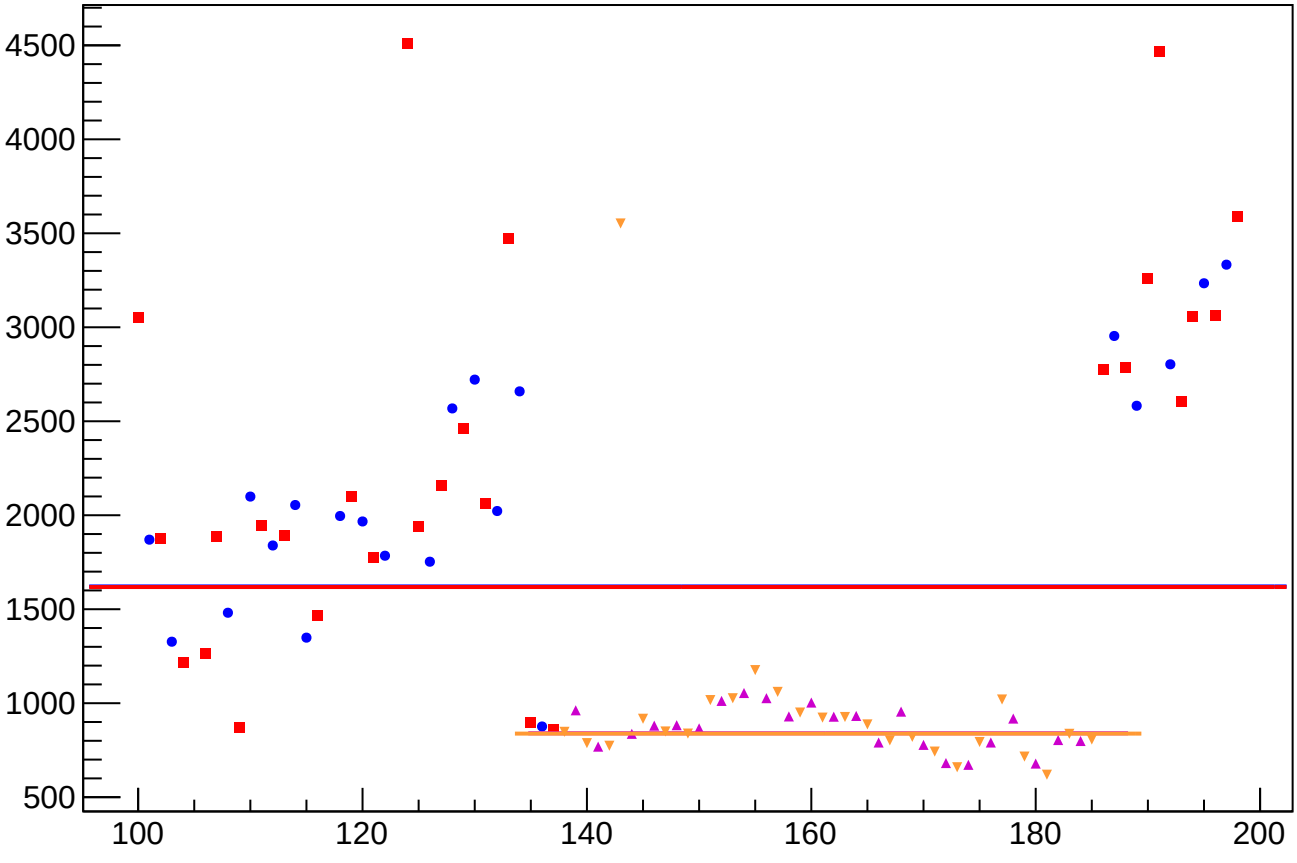
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 711.723+/-184.146 χ^2/NDF: 90.6/45

All: 549.506+/-130.548 χ^2/NDF: 127.8/95

- sign 385.599+/-185.102 χ^2/NDF: 35.6/49

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1621.229+/-0.385 χ^2/NDF: 3406037.0/20

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1618.083+/-0.362 χ^2/NDF: 4787474.5/26

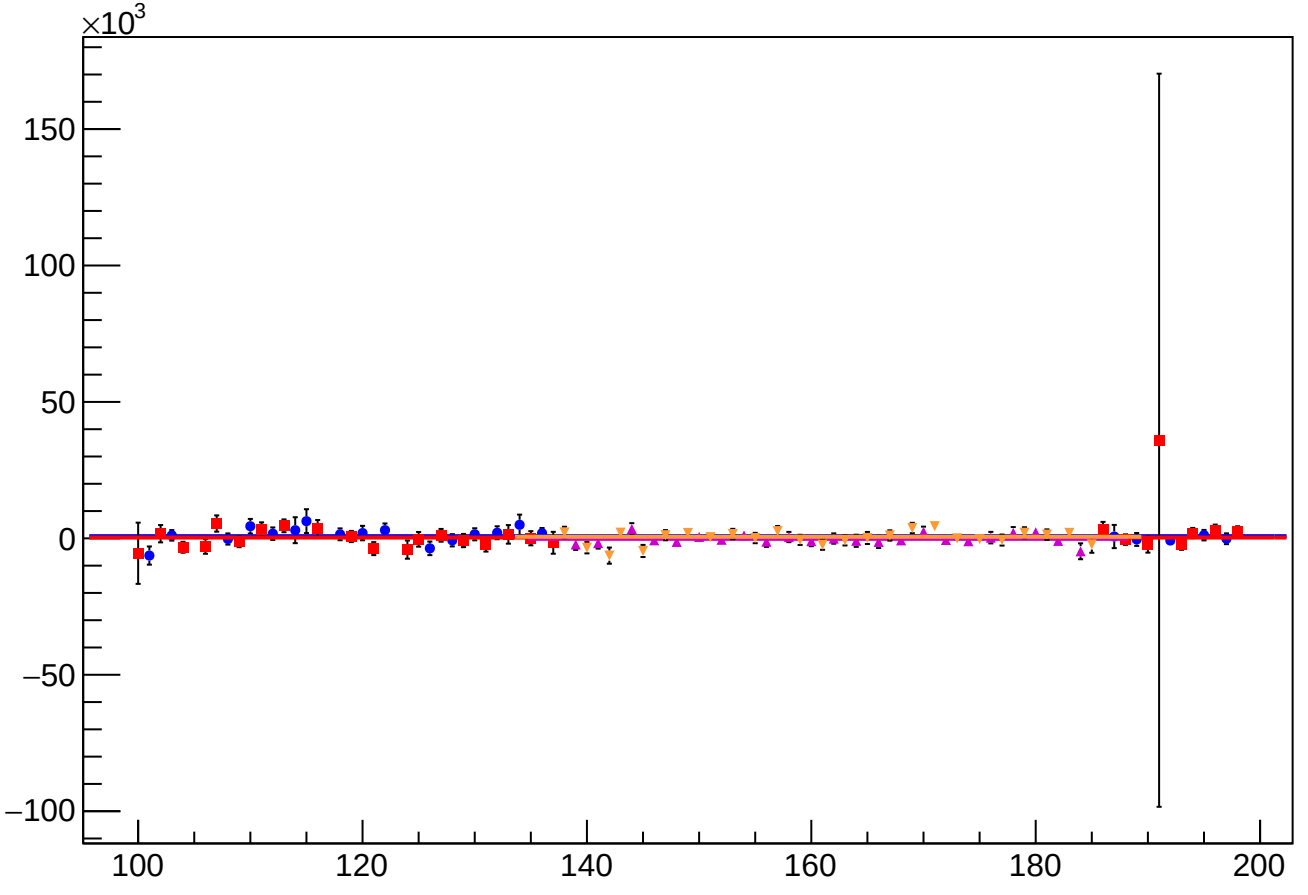
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 927.787+/-0.130 χ^2/NDF: 8868036.2/45

All: 934.574+/-0.092 χ^2/NDF: 18337443.4/95

- sign 941.431+/-0.131 χ^2/NDF: 9463946.3/49

dit_asym_at2_dd_mean vs Slug



Right In: 809.365+/-521.288 χ^2/NDF: 16.6/20

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 287.971+/-482.830 χ^2/NDF: 28.4/26

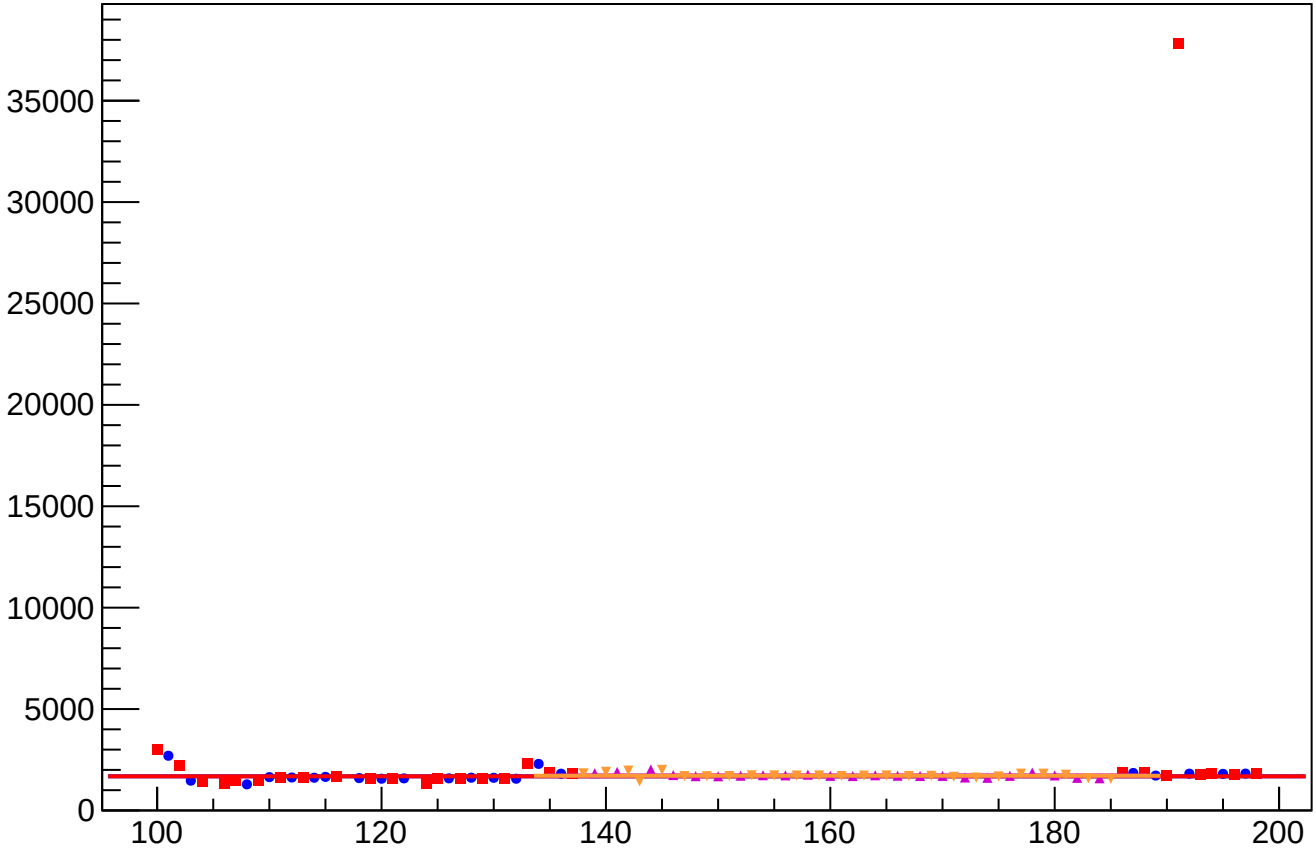
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 662.440+/-312.159 χ^2/NDF: 48.6/45

All: 333.500+/-219.921 χ^2/NDF: 94.2/95

- sign 9.334+/-309.885 χ^2/NDF: 43.4/49

dit_asym_at2_dd_rms vs Slug



Right In: 1683.418+/-0.369 χ^2/NDF: 402742.9/20

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1683.502+/-0.341 χ^2/NDF: 521044.9/26

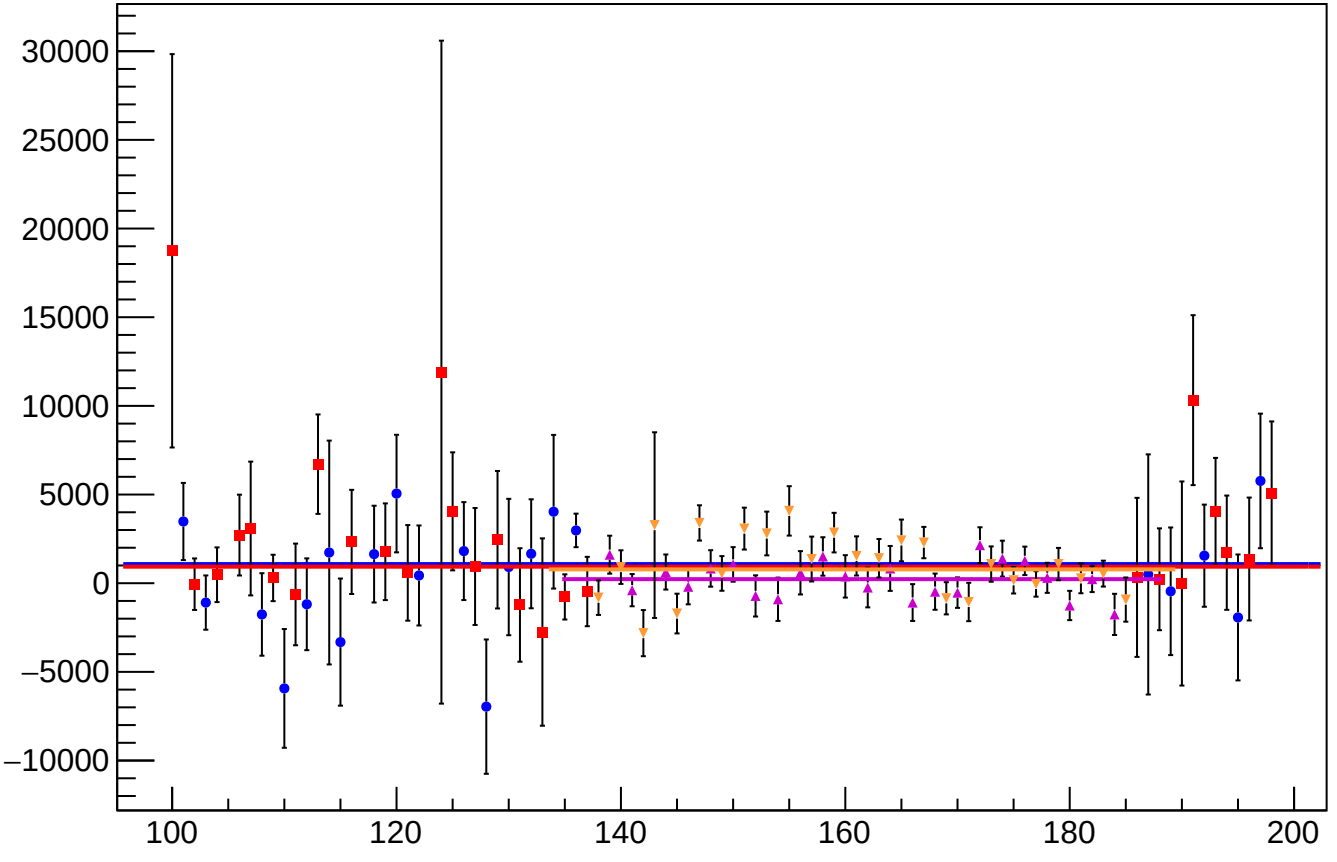
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1701.566+/-0.221 χ^2/NDF: 574528.4/45

All: 1705.622+/-0.156 χ^2/NDF: 1206421.2/95

- sign 1709.619+/-0.219 χ^2/NDF: 631222.4/49

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1077.825+/-540.028 χ^2/NDF: 24.5/20

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 932.189+/-485.455 χ^2/NDF: 19.9/26

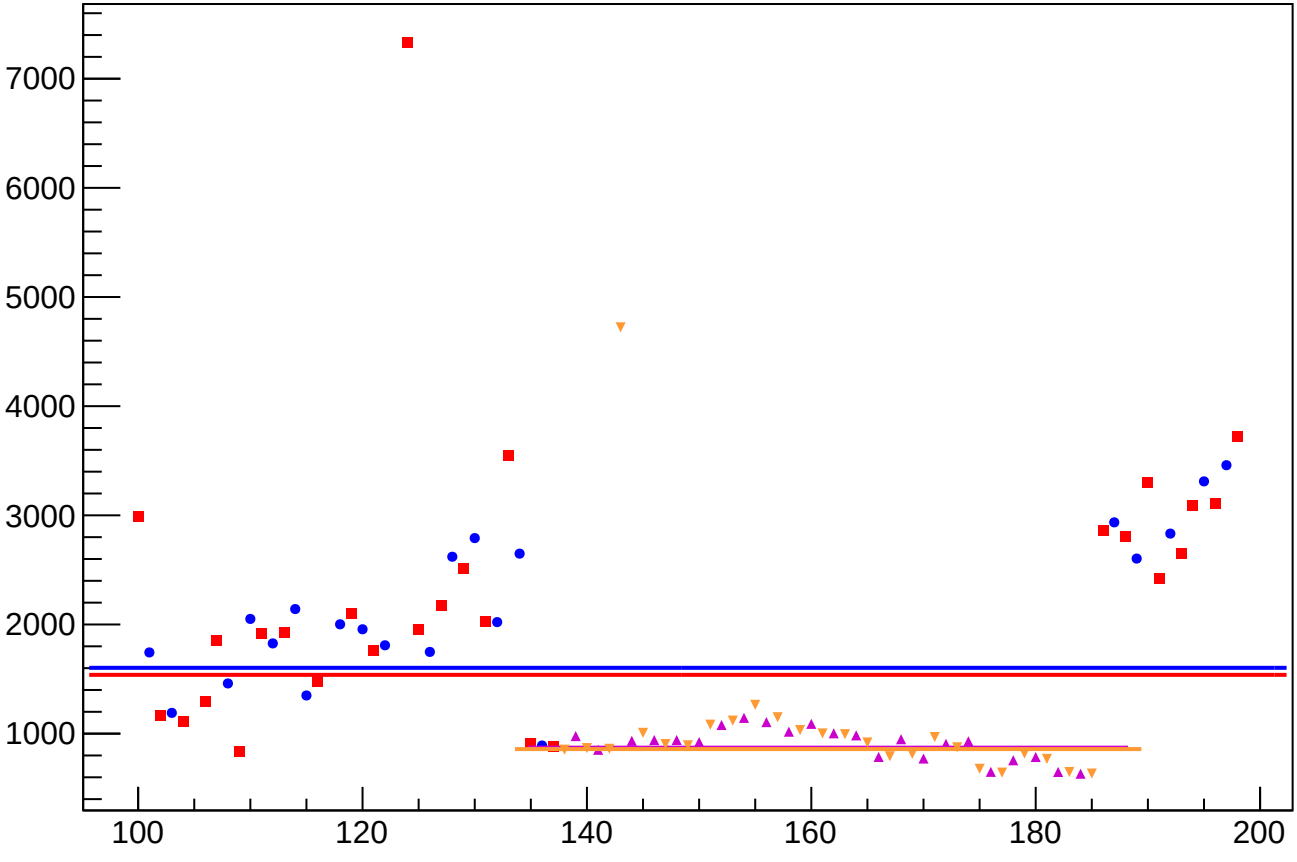
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 815.541+/-188.902 χ^2/NDF: 79.3/45

All: 577.795+/-134.024 χ^2/NDF: 126.8/95

- sign 336.819+/-190.181 χ^2/NDF: 44.3/49

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1603.073+/-0.382 χ^2/NDF: 3477812.3/20

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1538.546+/-0.343 χ^2/NDF: 5119649.0/26

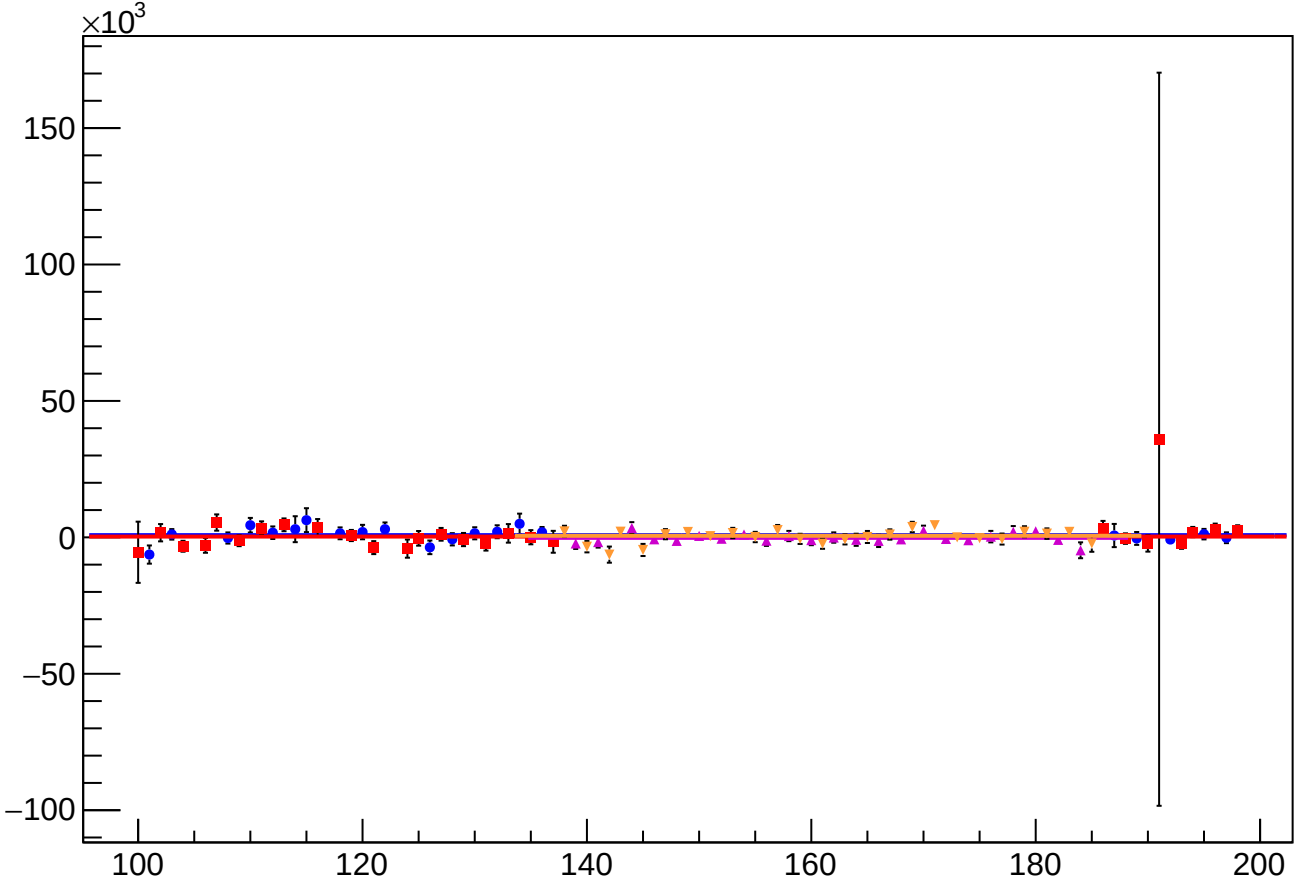
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 949.688+/-0.134 χ^2/NDF: 9093542.2/45

All: 961.711+/-0.095 χ^2/NDF: 18405177.2/95

- sign 973.897+/-0.134 χ^2/NDF: 9295321.0/49

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 809.365+/-521.288 χ^2/NDF: 16.6/20

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 287.969+/-482.830 χ^2/NDF: 28.4/26

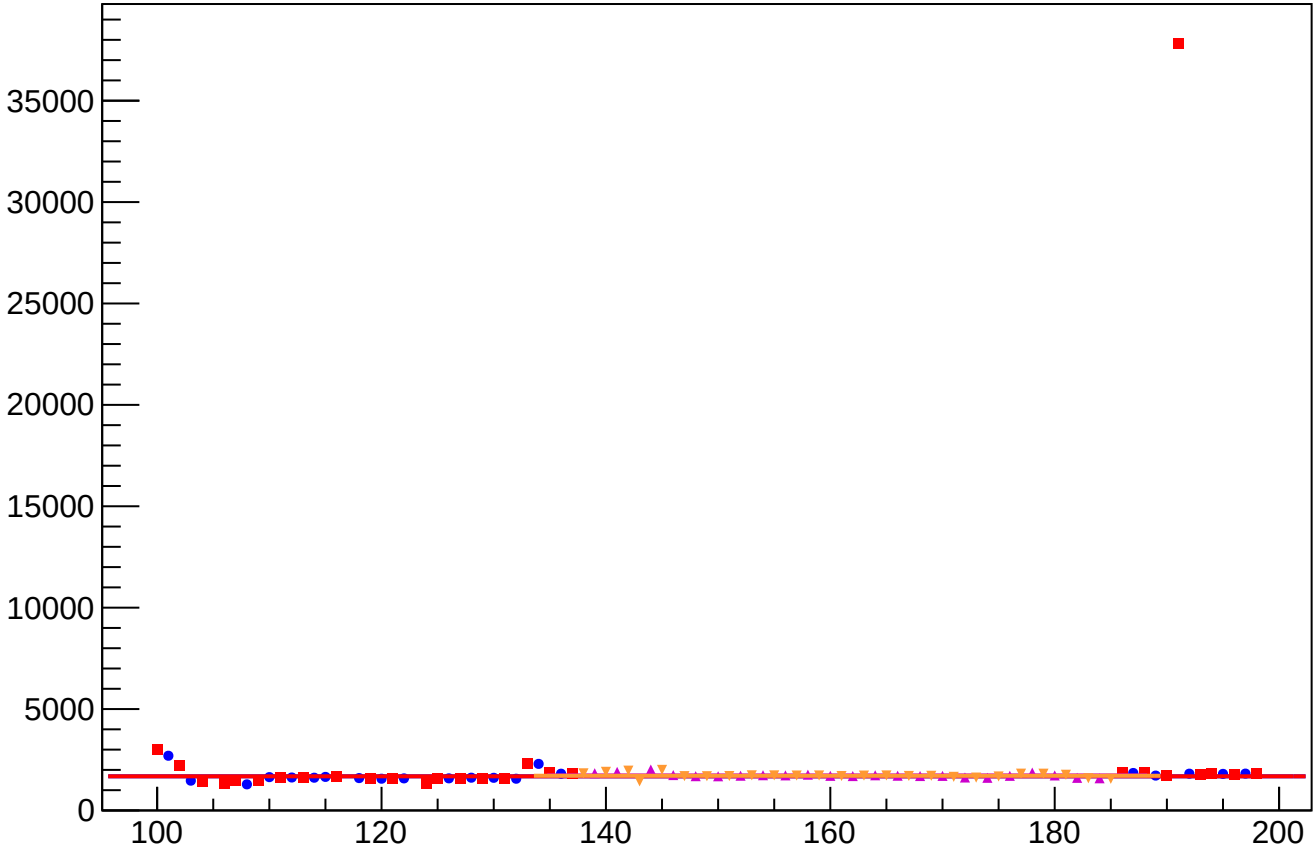
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

\+ sign 662.437+/-312.159 χ^2/NDF: 48.6/45

All: 333.498+/-219.921 χ^2/NDF: 94.2/95

\- sign 9.333+/-309.885 χ^2/NDF: 43.4/49

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1683.418+/-0.369 χ^2/NDF: 402742.6/20

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1683.502+/-0.341 χ^2/NDF: 521045.0/26

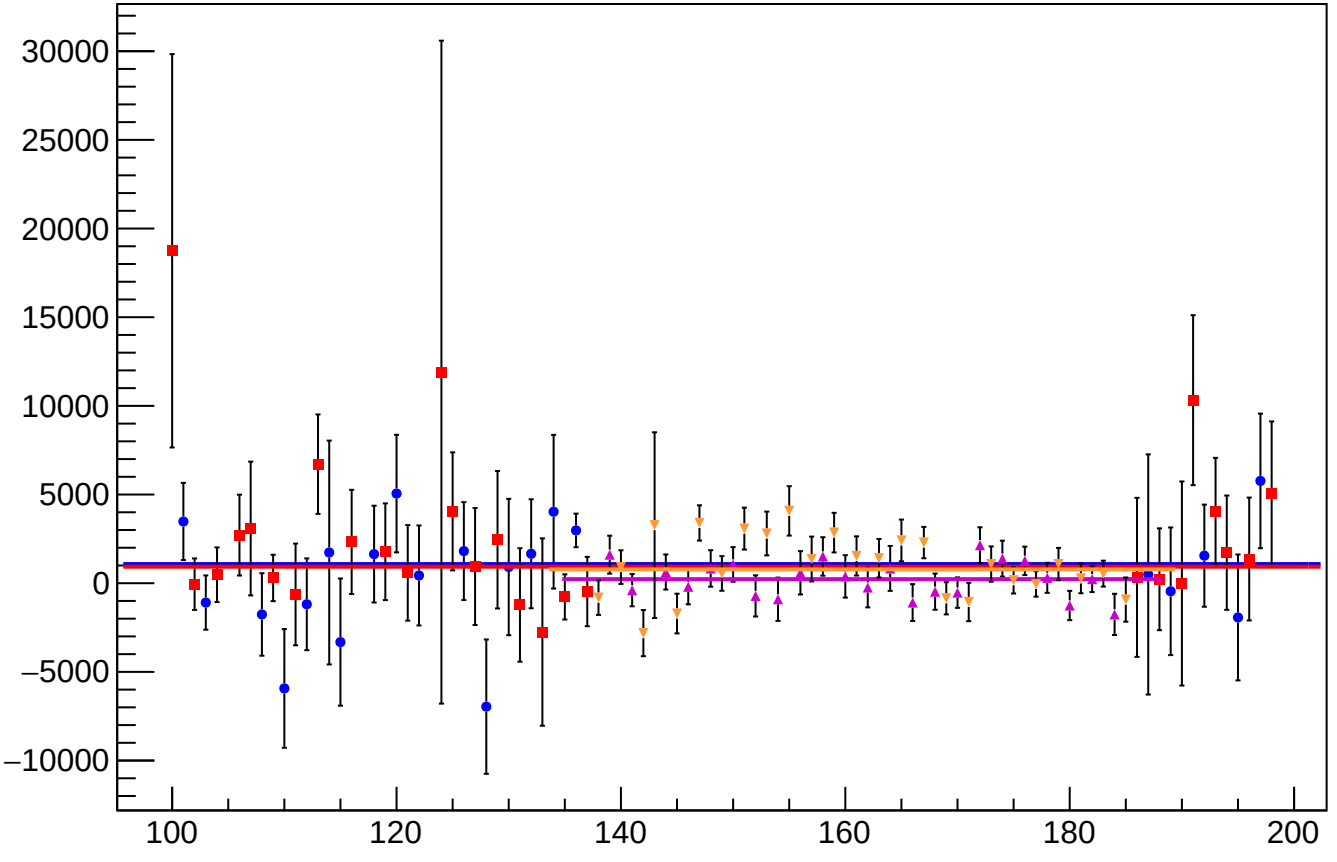
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1701.566+/-0.221 χ^2/NDF: 574526.9/45

All: 1705.621+/-0.156 χ^2/NDF: 1206419.6/95

- sign 1709.618+/-0.219 χ^2/NDF: 631222.3/49

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1077.817+/-540.031 χ^2/NDF: 24.5/20

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 932.205+/-485.458 χ^2/NDF: 19.9/26

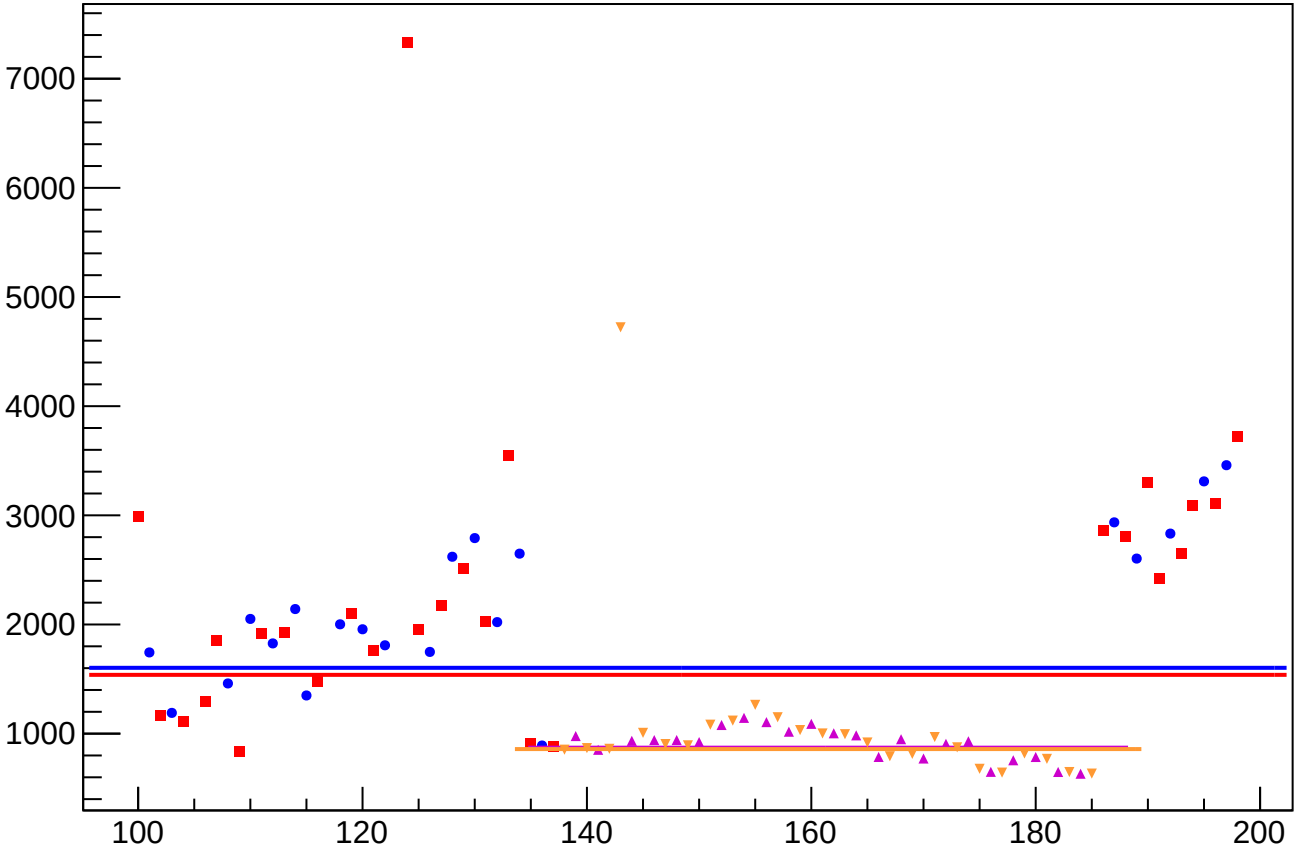
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 815.543+/-188.902 χ^2/NDF: 79.3/45

All: 577.795+/-134.024 χ^2/NDF: 126.8/95

- sign 336.818+/-190.181 χ^2/NDF: 44.3/49

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1603.089+/-0.382 χ^2/NDF: 3477679.4/20

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1538.561+/-0.343 χ^2/NDF: 5119525.2/26

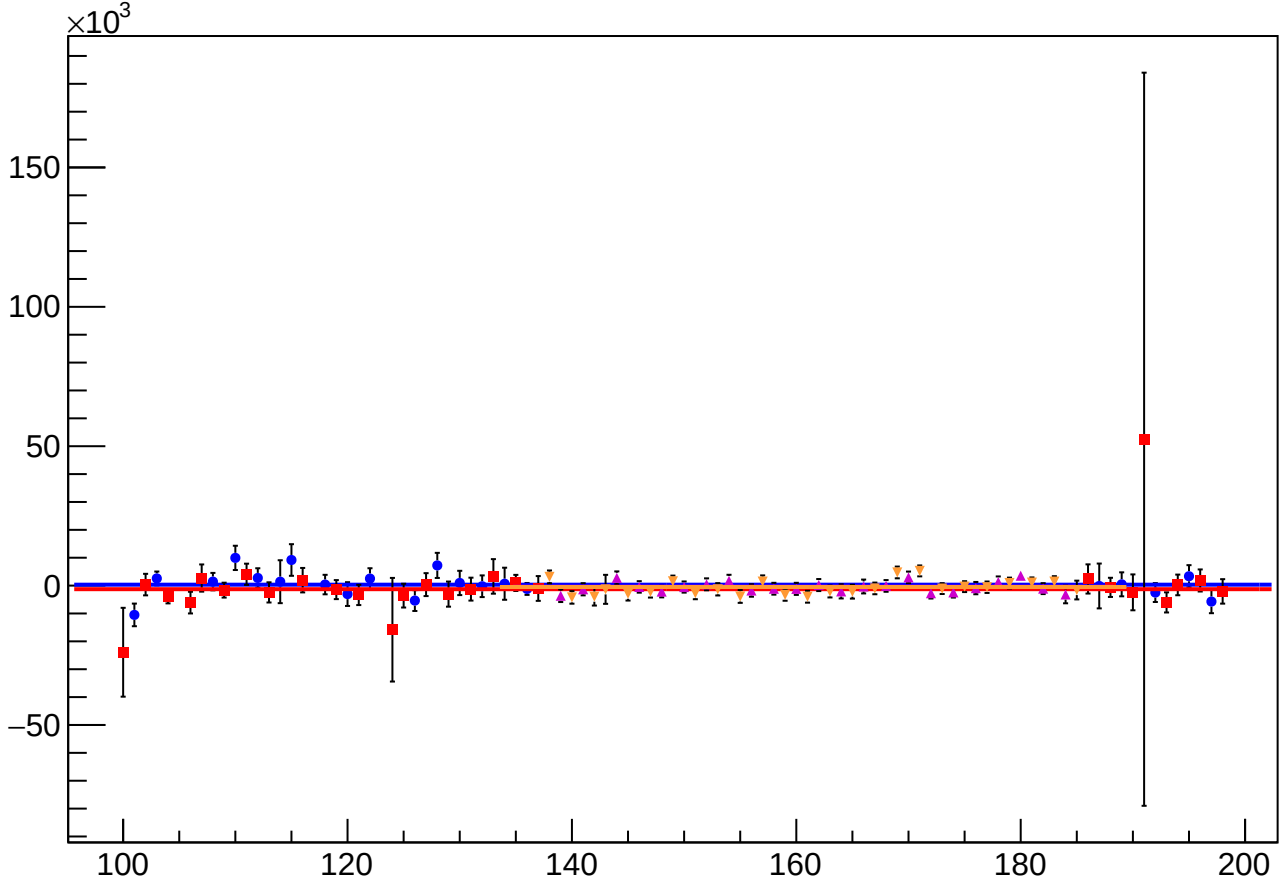
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 949.689+/-0.134 χ^2/NDF: 9093504.9/45

All: 961.711+/-0.095 χ^2/NDF: 18405133.0/95

- sign 973.897+/-0.134 χ^2/NDF: 9295315.5/49

asym_at2_dd_mean vs Slug



Right In: 327.106+/-820.293 χ^2/NDF: 25.5/20

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1286.123+/-773.514 χ^2/NDF: 14.1/26

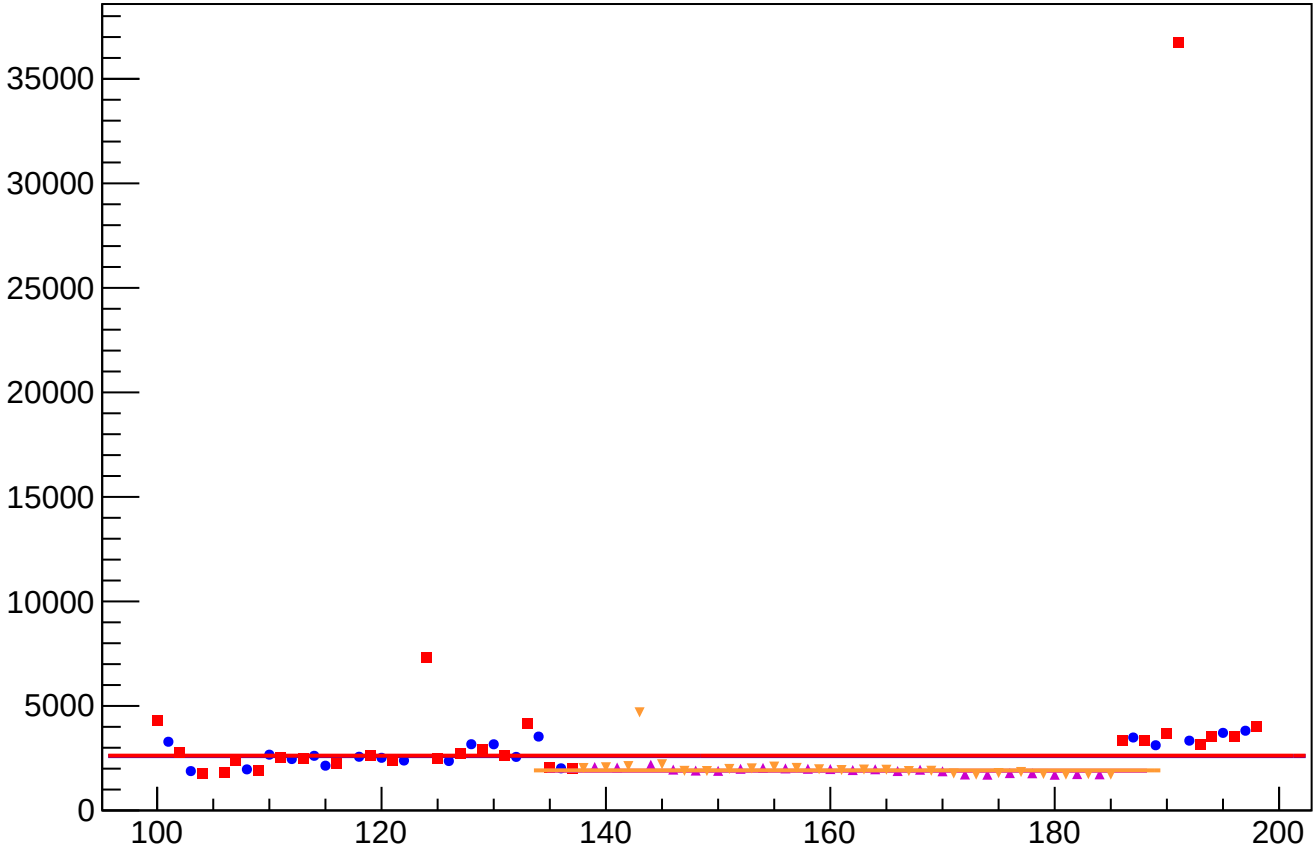
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -316.430+/-387.684 χ^2/NDF: 62.2/45

All: -473.390+/-273.339 χ^2/NDF: 96.5/95

- sign -628.543+/-385.446 χ^2/NDF: 33.9/49

asym_at2_dd_rms vs Slug



Right In: 2600.100+/-0.580 χ^2/NDF: 1083023.8/20

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2621.089+/-0.547 χ^2/NDF: 1715515.0/26

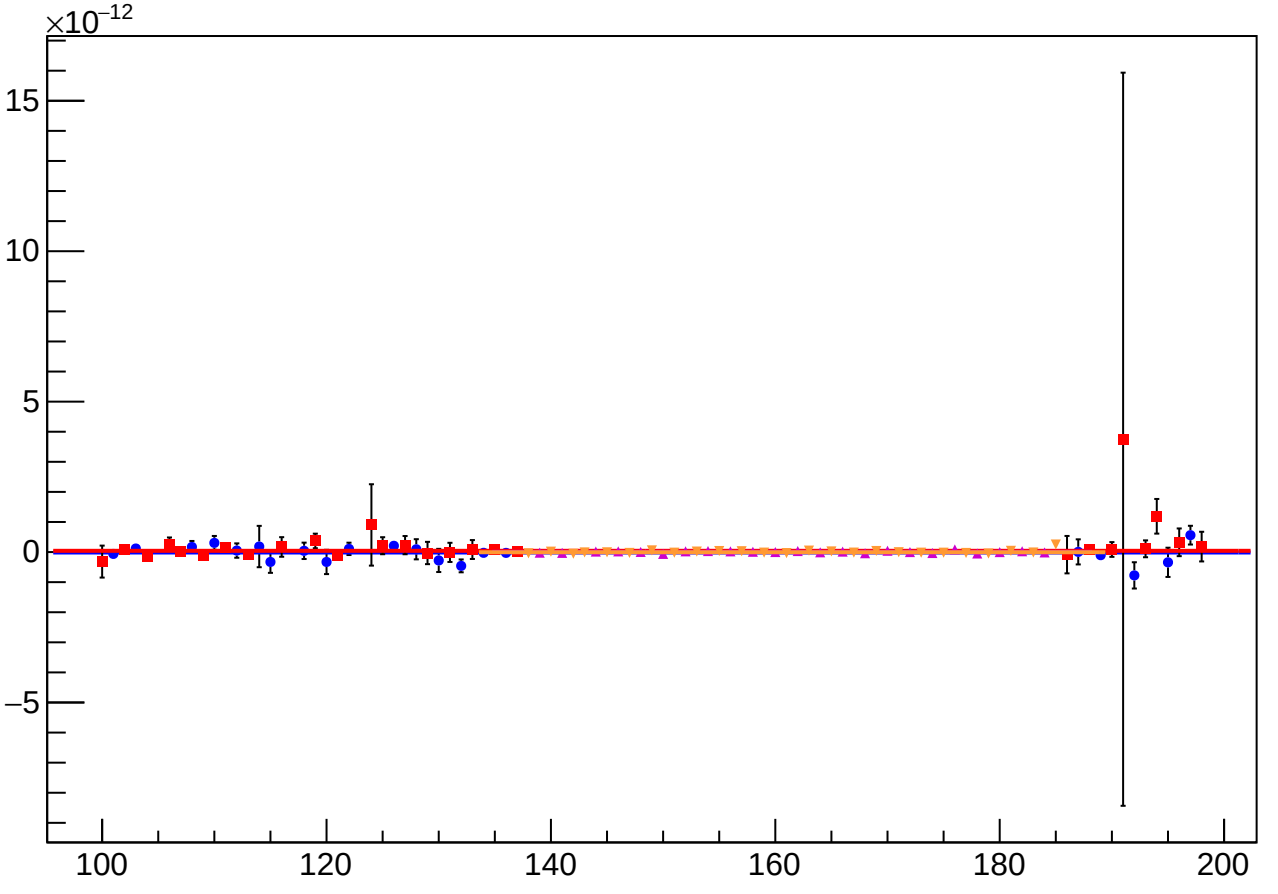
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2069.704+/-0.274 χ^2/NDF: 2916066.2/45

All: 2074.121+/-0.193 χ^2/NDF: 6114727.7/95

- sign 2078.486+/-0.273 χ^2/NDF: 3198145.4/49

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

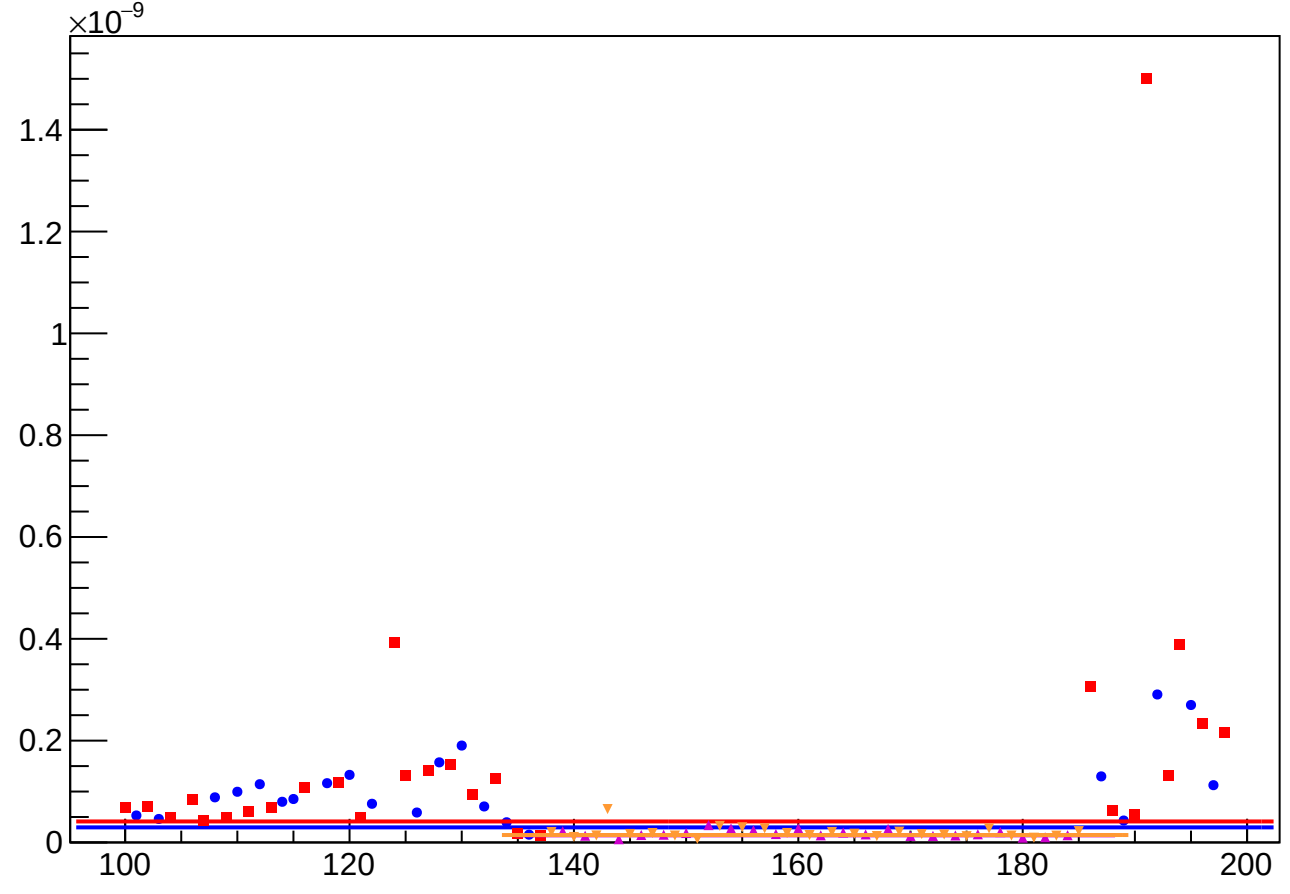
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/26

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.8/45

All: 0.000+/-0.000 χ^2/NDF: 101.1/95

- sign 0.000+/-0.000 χ^2/NDF: 46.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 4225552.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4497675.4/26

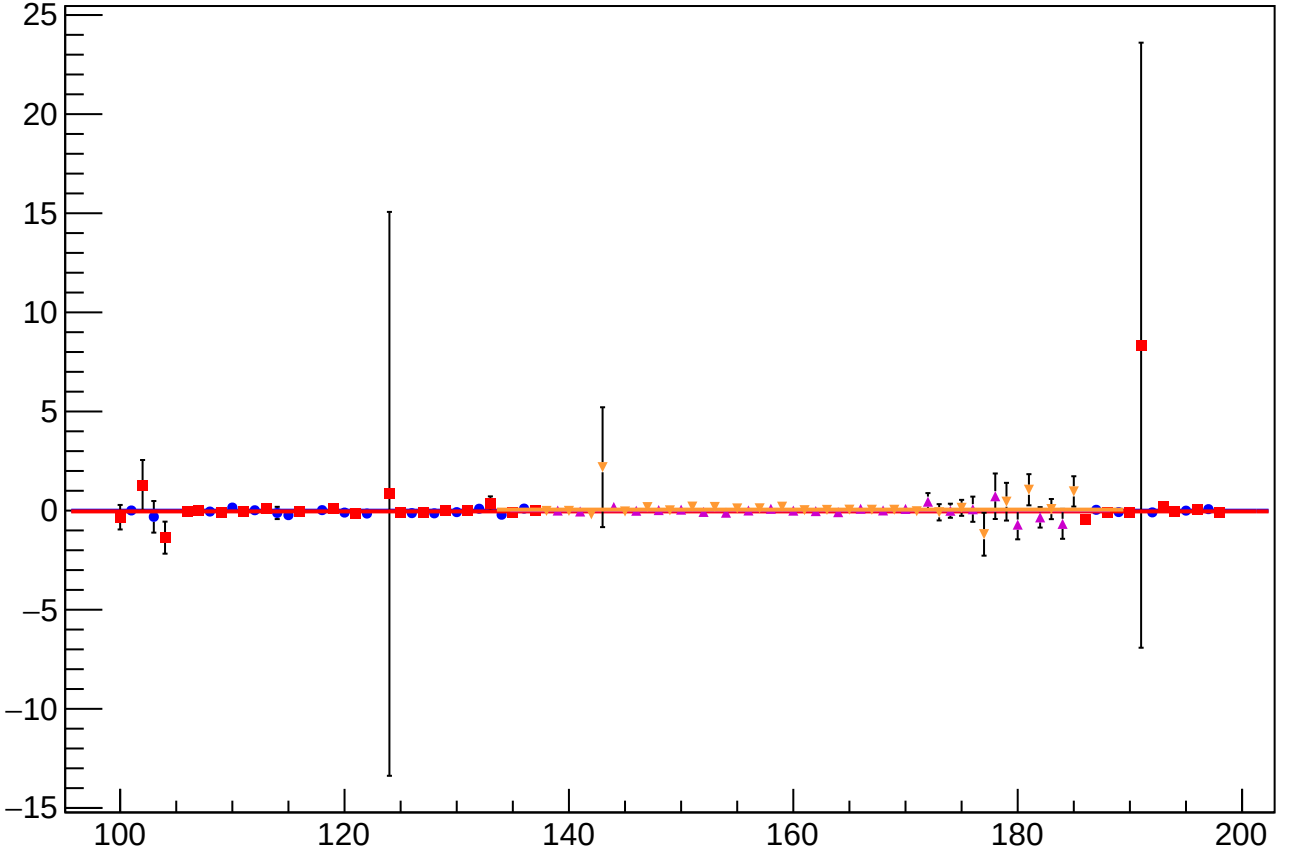
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6984425.6/45

All: 0.000+/-0.000 χ^2/NDF: 15401834.1/95

- sign 0.000+/-0.000 χ^2/NDF: 8412307.6/49

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/26

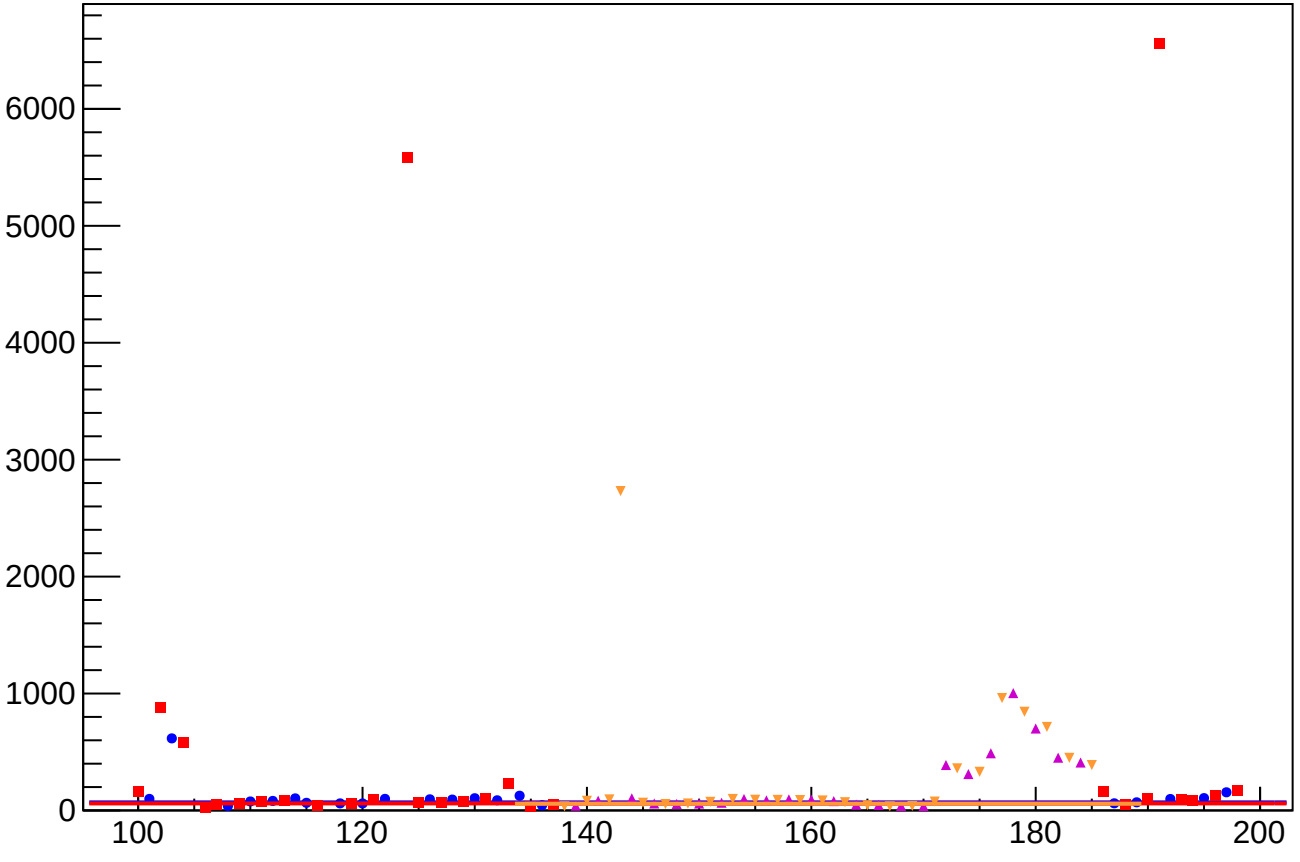
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.5/45

All: 0.013+/-0.010 χ^2/NDF: 89.0/95

- sign -0.005+/-0.013 χ^2/NDF: 42.8/49

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 69.017+/-0.017 χ^2/NDF: 3331151.4/20

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 60.091+/-0.015 χ^2/NDF: 6247812.0/26

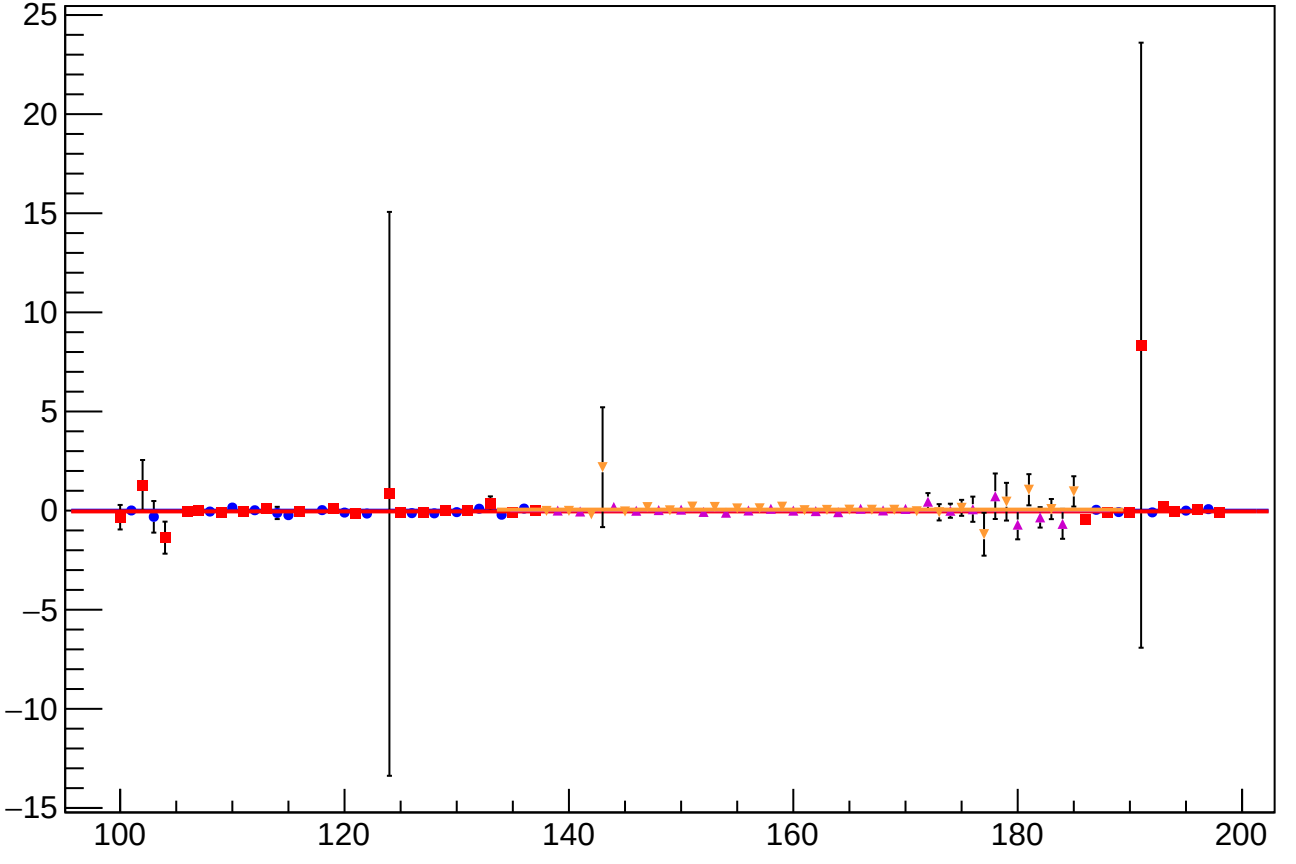
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.122+/-0.010 χ^2/NDF: 15966446.3/45

All: 60.104+/-0.007 χ^2/NDF: 32488394.8/95

- sign 59.183+/-0.009 χ^2/NDF: 16501678.7/49

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/26

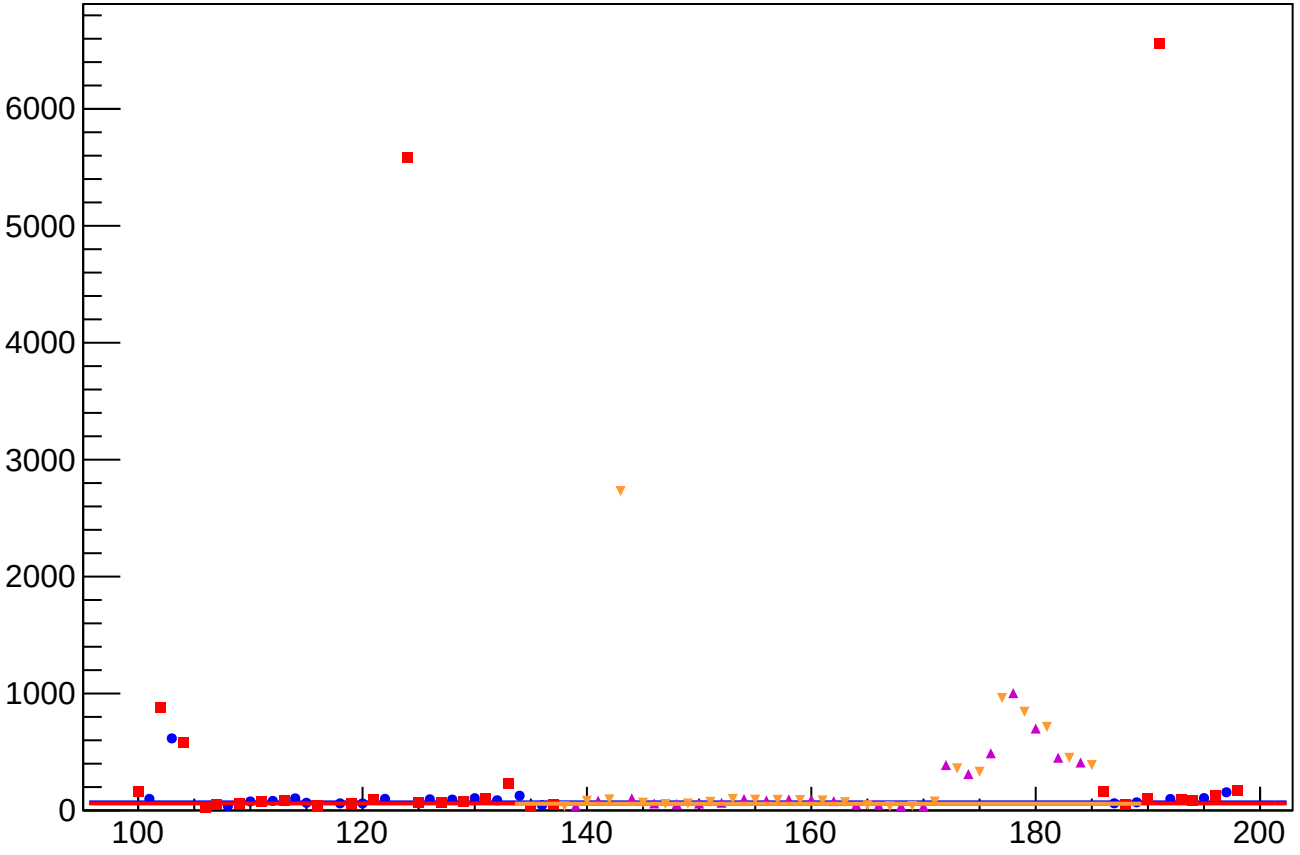
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.5/45

All: 0.013+/-0.010 χ^2/NDF: 89.0/95

- sign -0.005+/-0.013 χ^2/NDF: 42.8/49

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.017+/-0.017 χ^2/NDF: 3331151.4/20

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

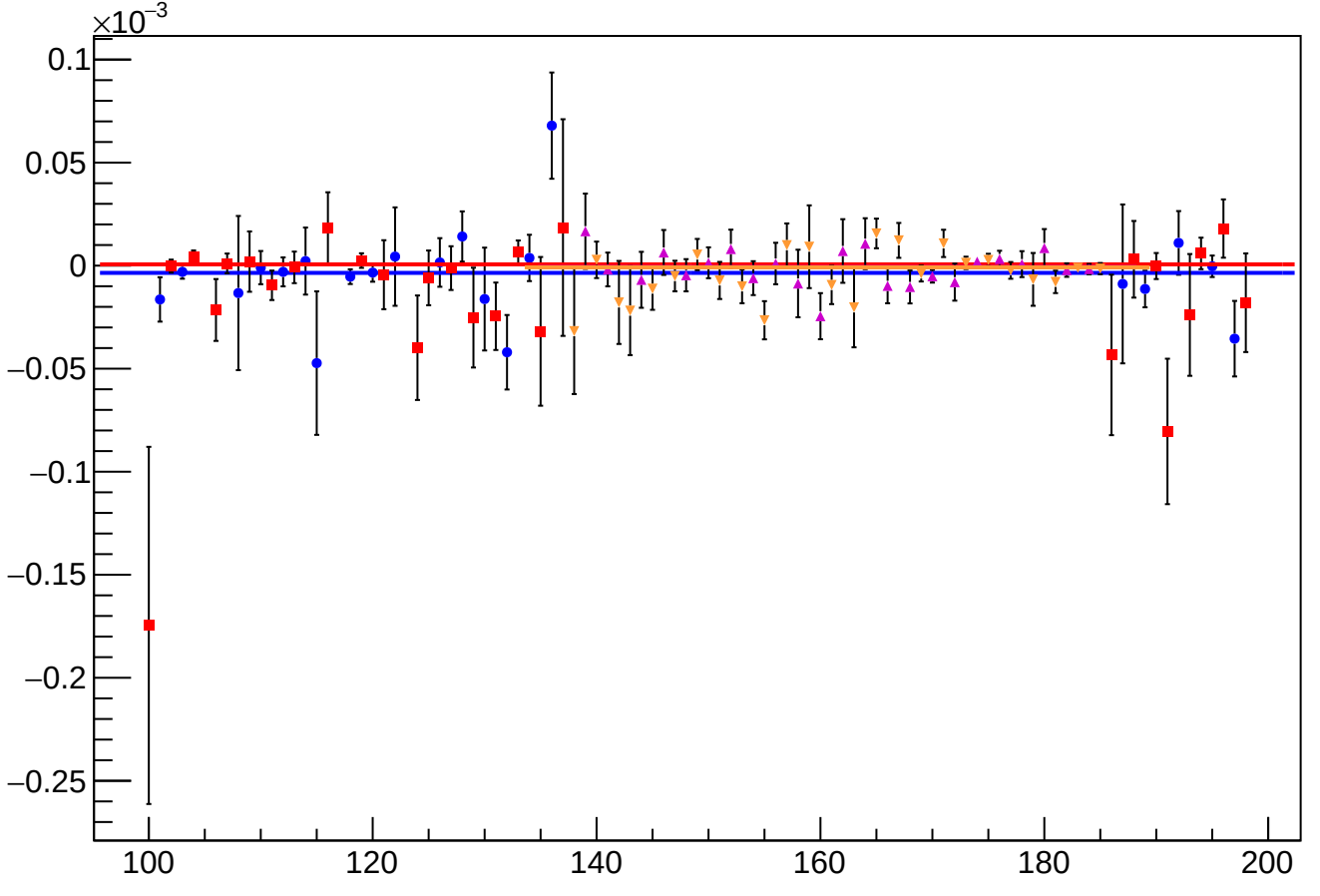
Right Out: 60.091+/-0.015 χ^2/NDF: 6247812.0/26

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.122+/-0.010 χ^2/NDF: 15966446.3/45

All: 60.104+/-0.007 χ^2/NDF: 32488394.8/95

- sign 59.183+/-0.009 χ^2/NDF: 16501678.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

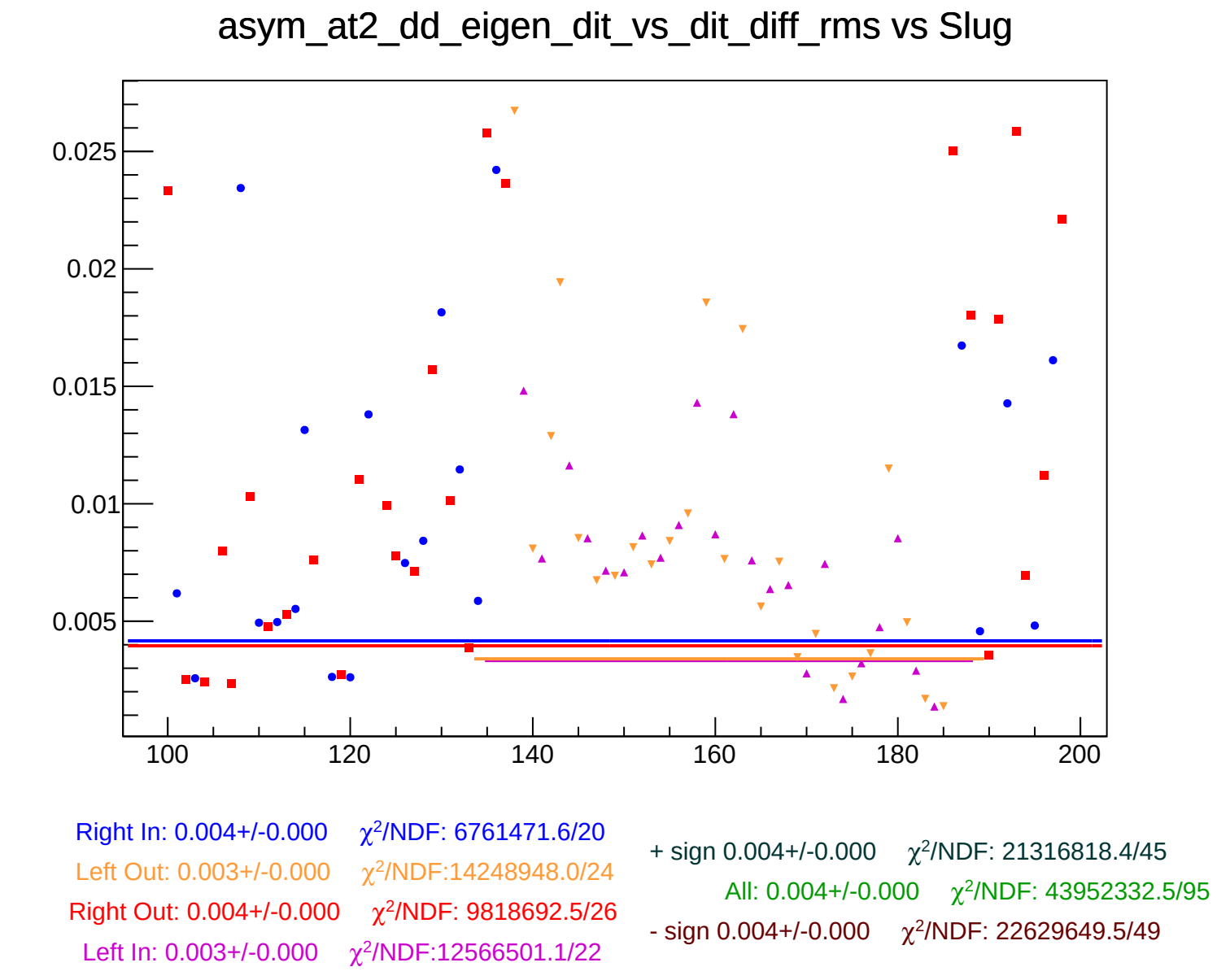
Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/26

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

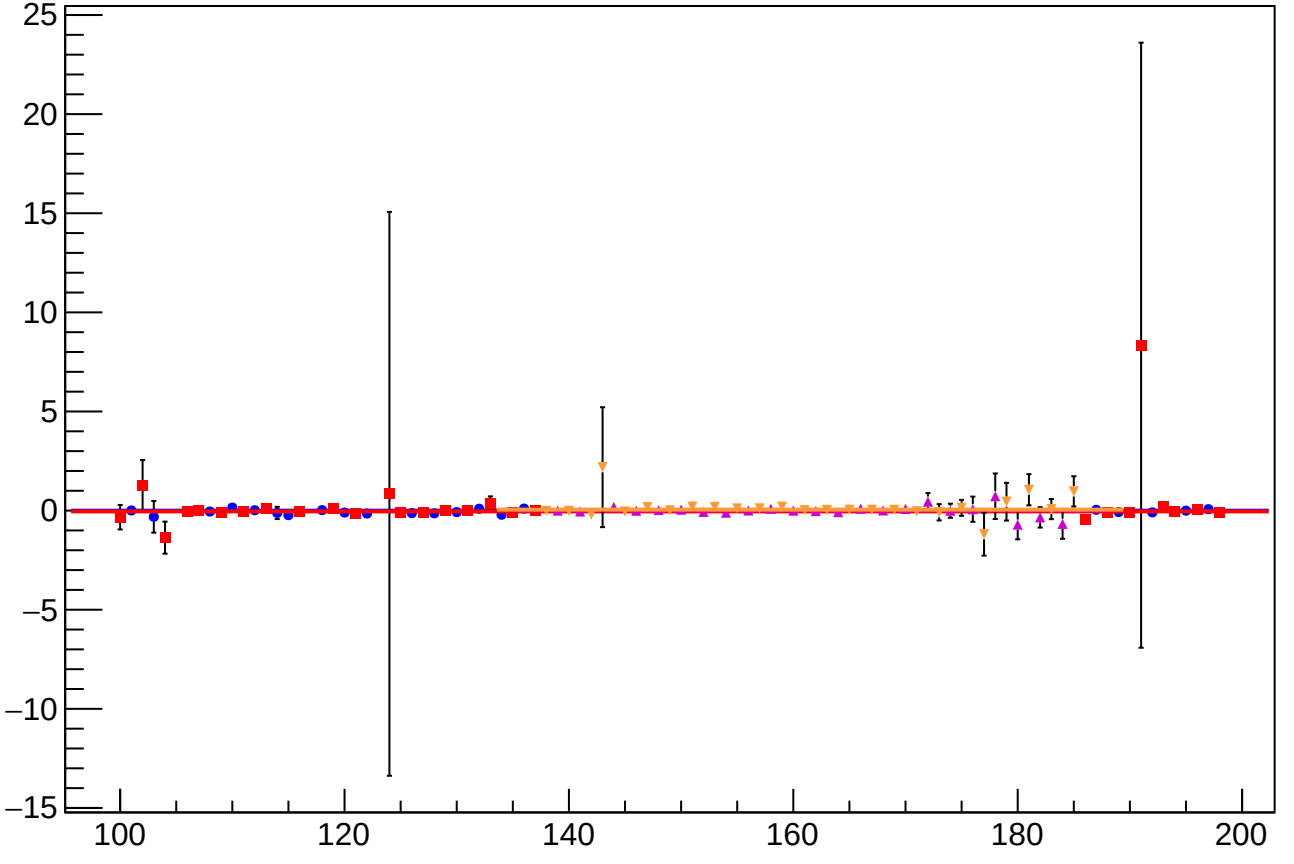
+ sign -0.000+/-0.000 χ^2/NDF: 58.7/45

All: -0.000+/-0.000 χ^2/NDF: 108.2/95

- sign -0.000+/-0.000 χ^2/NDF: 48.4/49


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.004+/-0.000 χ²/NDF: 6761471.6/20
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.004+/-0.000 χ²/NDF: 9818692.5/26
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.004+/-0.000 χ²/NDF: 21316818.4/45
All: 0.004+/-0.000 χ²/NDF: 43952332.5/95
- sign 0.004+/-0.000 χ²/NDF: 22629649.5/49

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/26

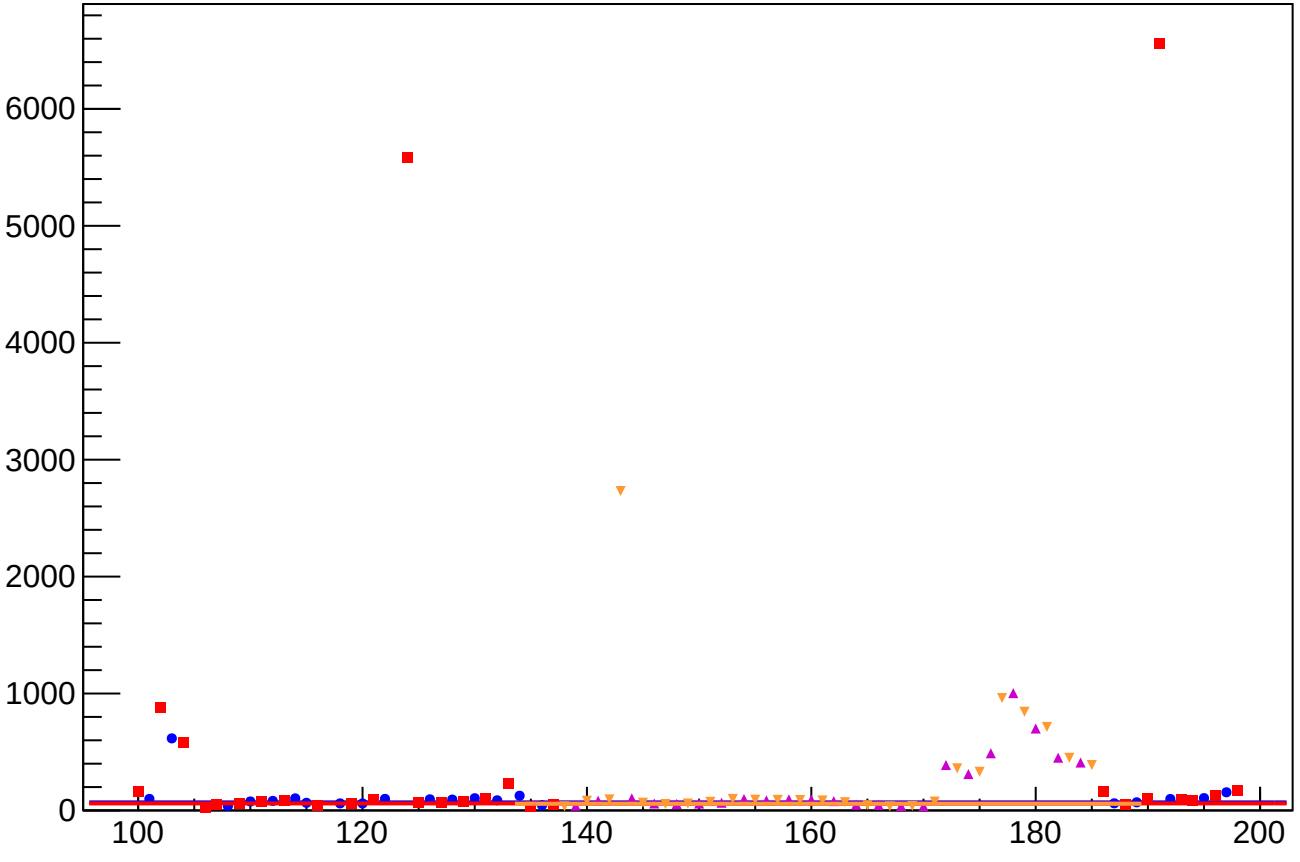
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/45

All: 0.013+/-0.010 χ^2/NDF: 89.0/95

- sign -0.005+/-0.013 χ^2/NDF: 42.8/49

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.024+/-0.017 χ^2/NDF: 3329899.8/20

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

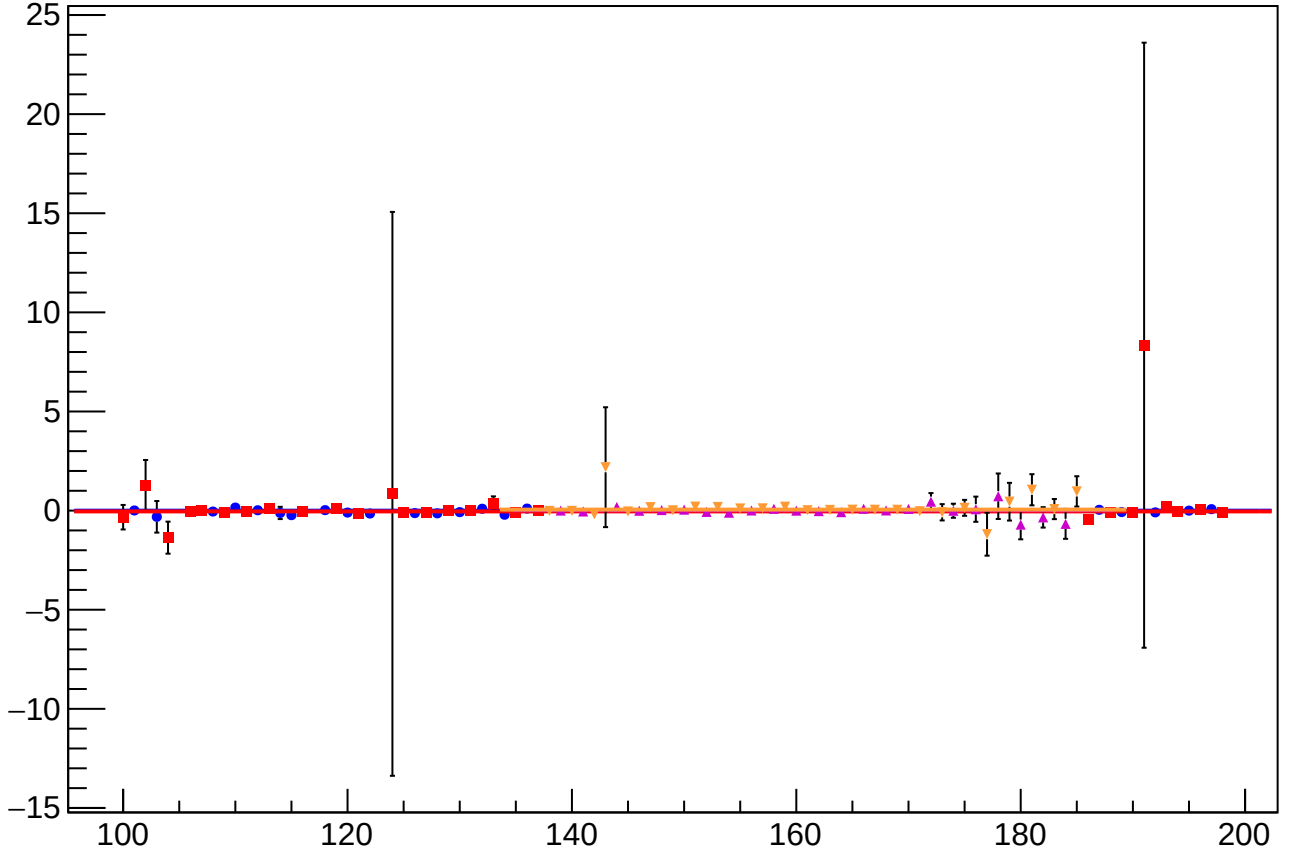
Right Out: 60.086+/-0.015 χ^2/NDF: 6248663.0/26

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.123+/-0.010 χ^2/NDF: 15965380.2/45

All: 60.105+/-0.007 χ^2/NDF: 32487651.4/95

- sign 59.182+/-0.009 χ^2/NDF: 16501963.4/49



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

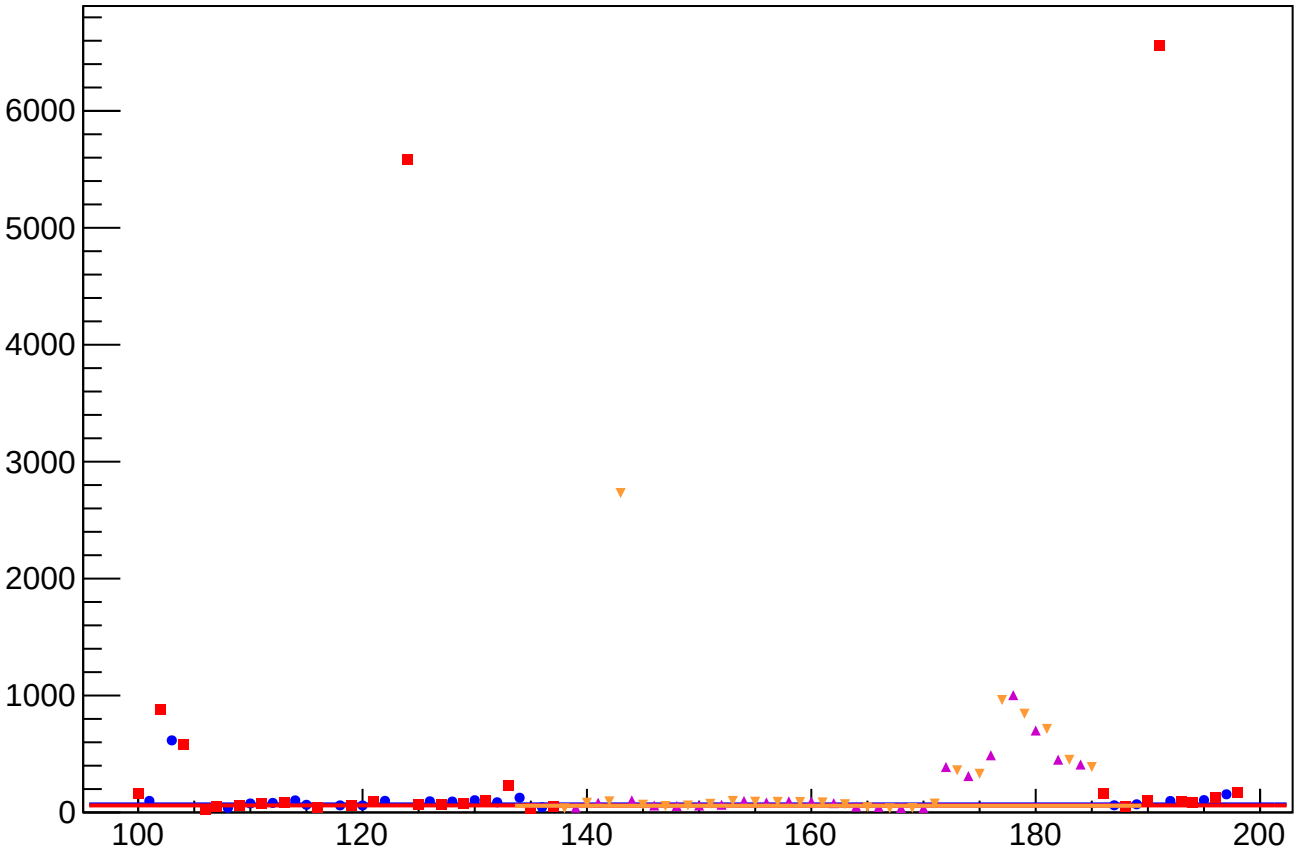
Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/26

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/45

All: 0.013+/-0.010 χ^2/NDF: 89.0/95

- sign -0.005+/-0.013 χ^2/NDF: 42.8/49



Right In: 69.024+/-0.017 χ^2/NDF: 3329899.8/20

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 60.086+/-0.015 χ^2/NDF: 6248663.0/26

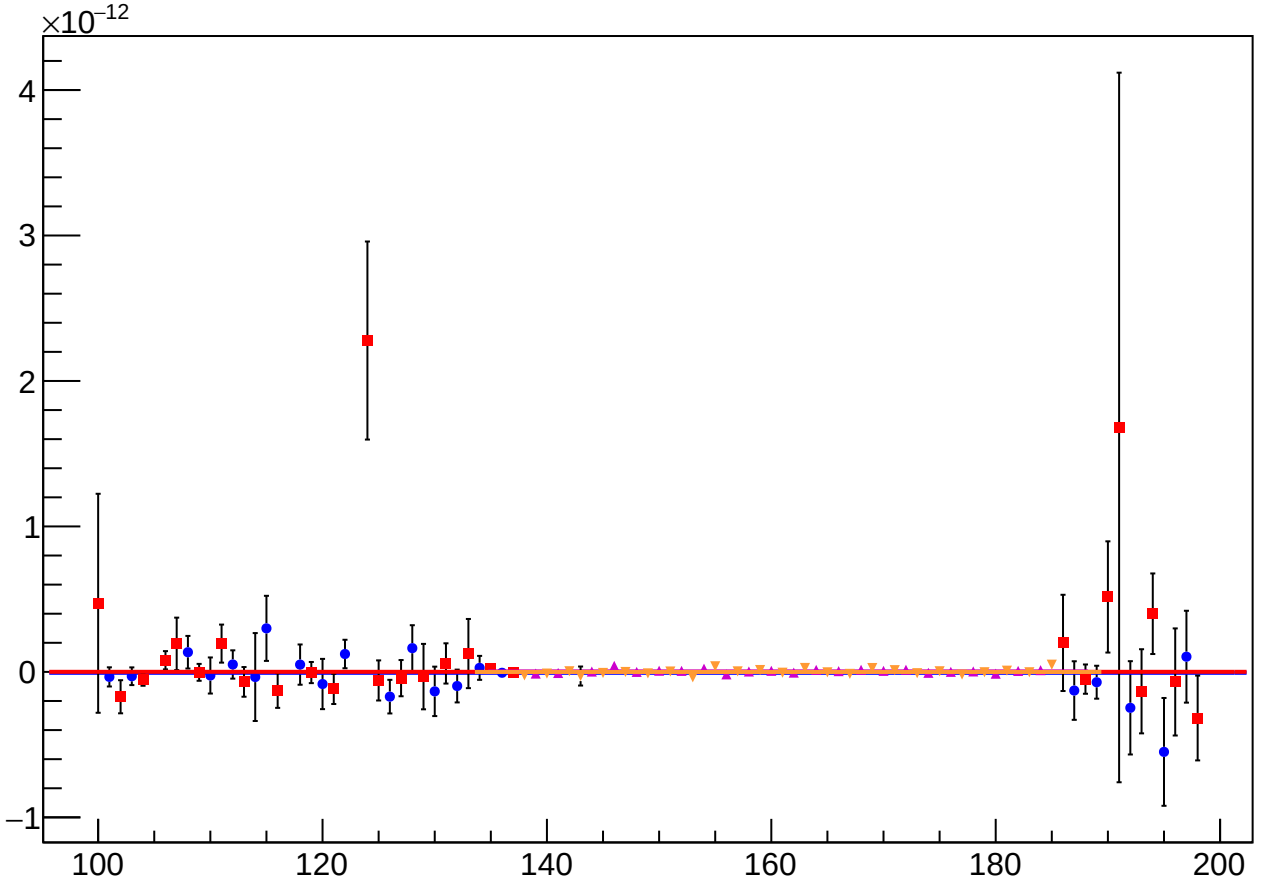
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.123+/-0.010 χ^2/NDF: 15965380.2/45

All: 60.105+/-0.007 χ^2/NDF: 32487651.4/95

- sign 59.182+/-0.009 χ^2/NDF: 16501963.4/49

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.5/26

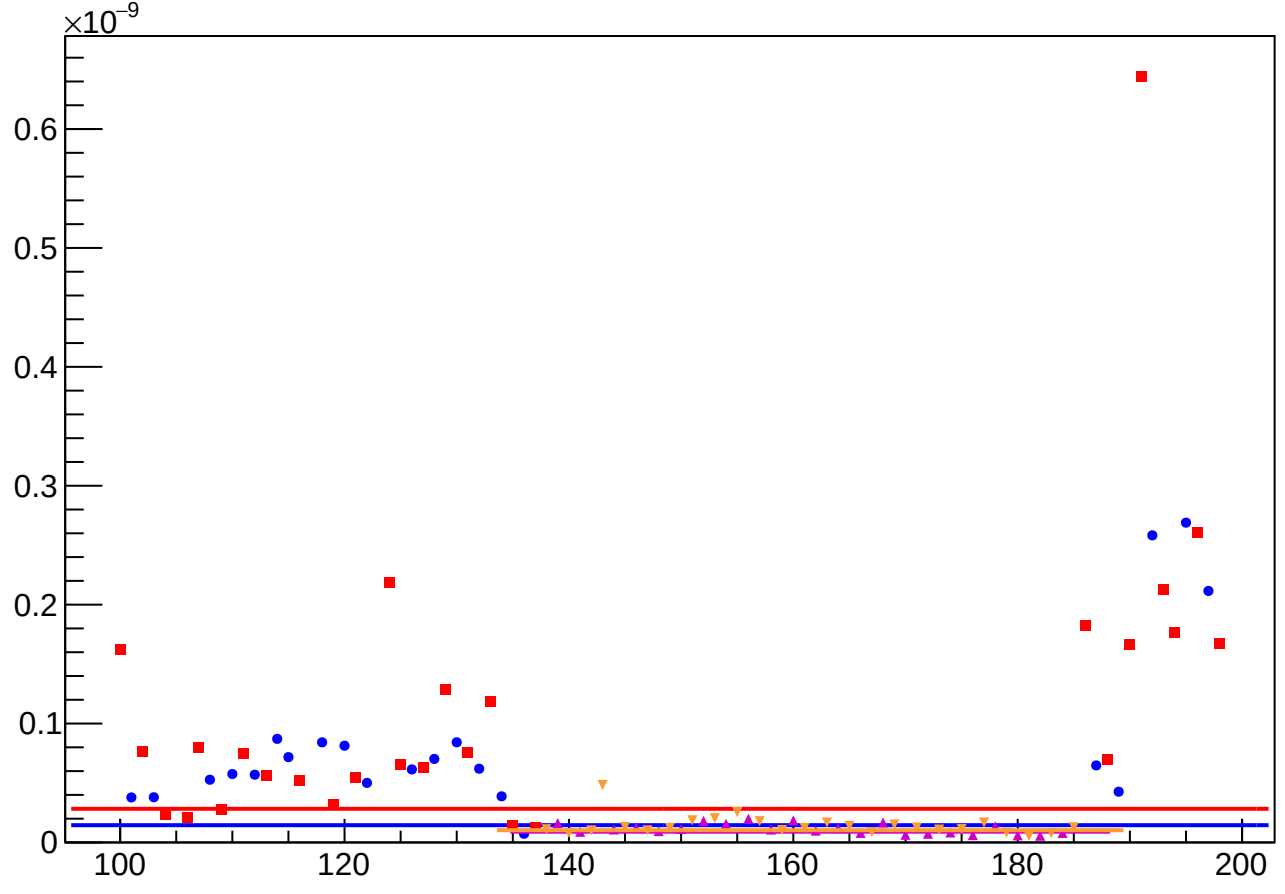
Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.5/45

All: 0.000+/-0.000 χ^2/NDF: 81.3/95

- sign 0.000+/-0.000 χ^2/NDF: 46.9/49

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8138012.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7474044.0/26

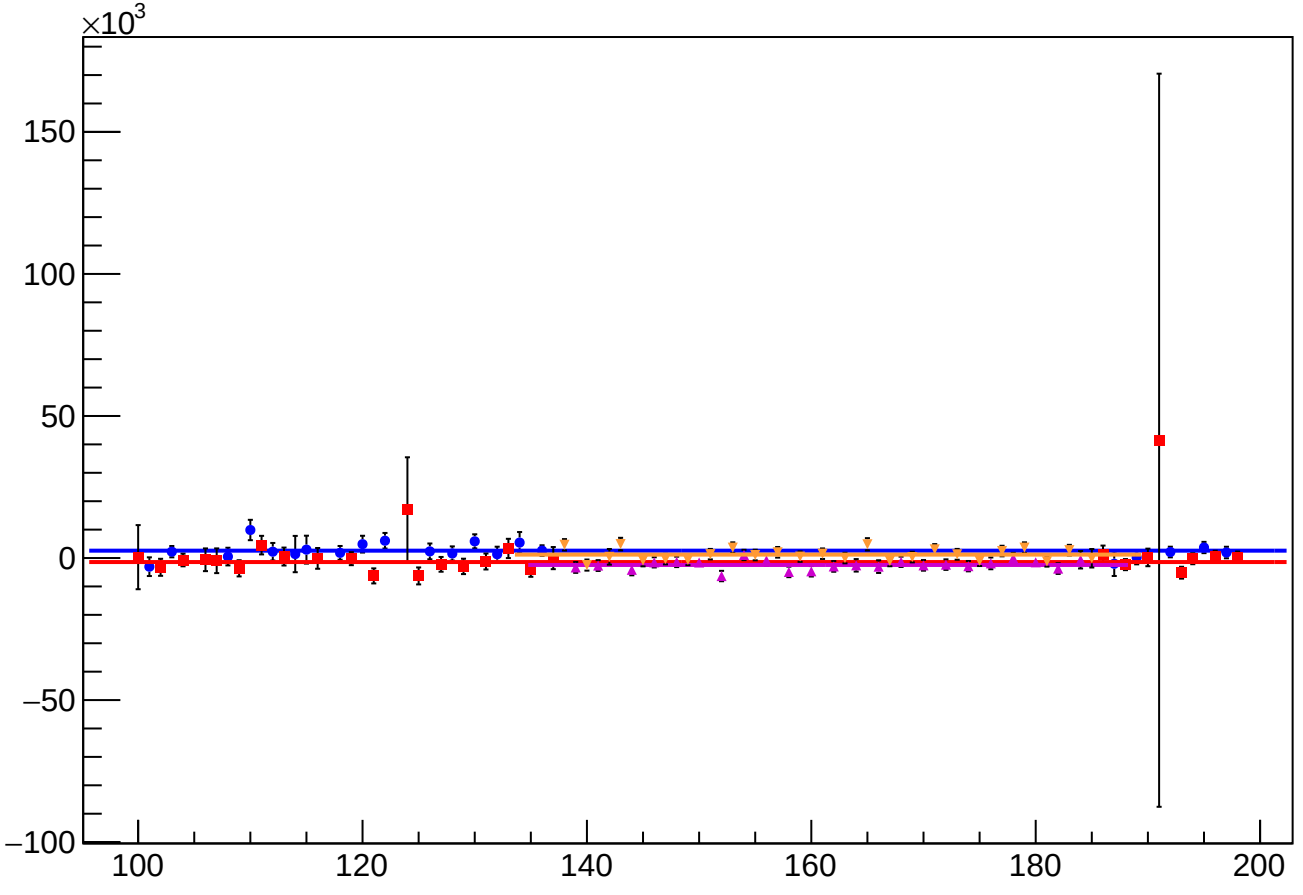
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12095361.4/45

All: 0.000+/-0.000 χ^2/NDF: 26001645.3/95

- sign 0.000+/-0.000 χ^2/NDF: 13799119.4/49

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2592.019+/-570.423 χ^2/NDF: 15.2/20

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1414.134+/-537.174 χ^2/NDF: 22.6/26

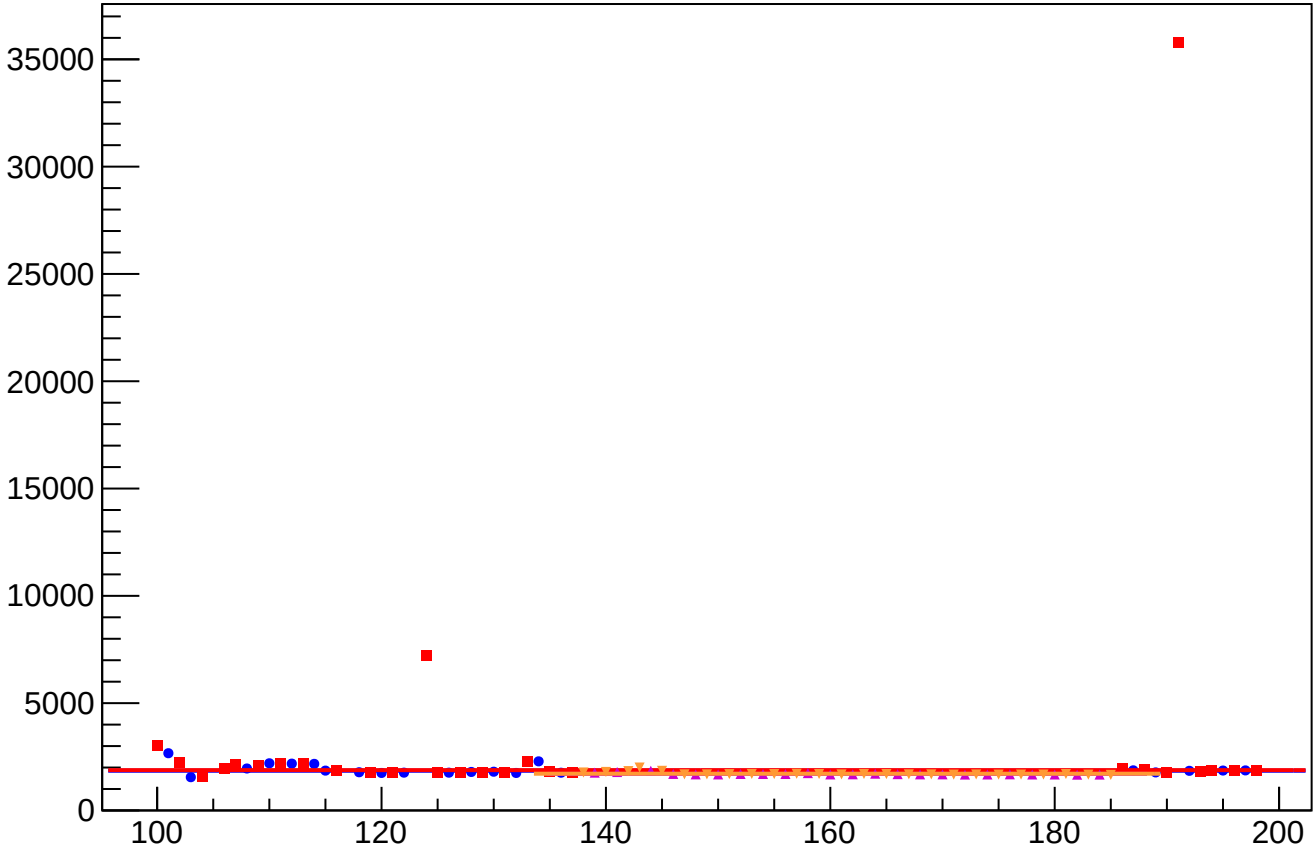
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1643.722+/-321.460 χ^2/NDF: 45.6/45

All: -225.836+/-226.708 χ^2/NDF: 155.4/95

- sign -2075.826+/-319.773 χ^2/NDF: 42.5/49

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1850.780+/-0.403 χ^2/NDF: 265632.8/20

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

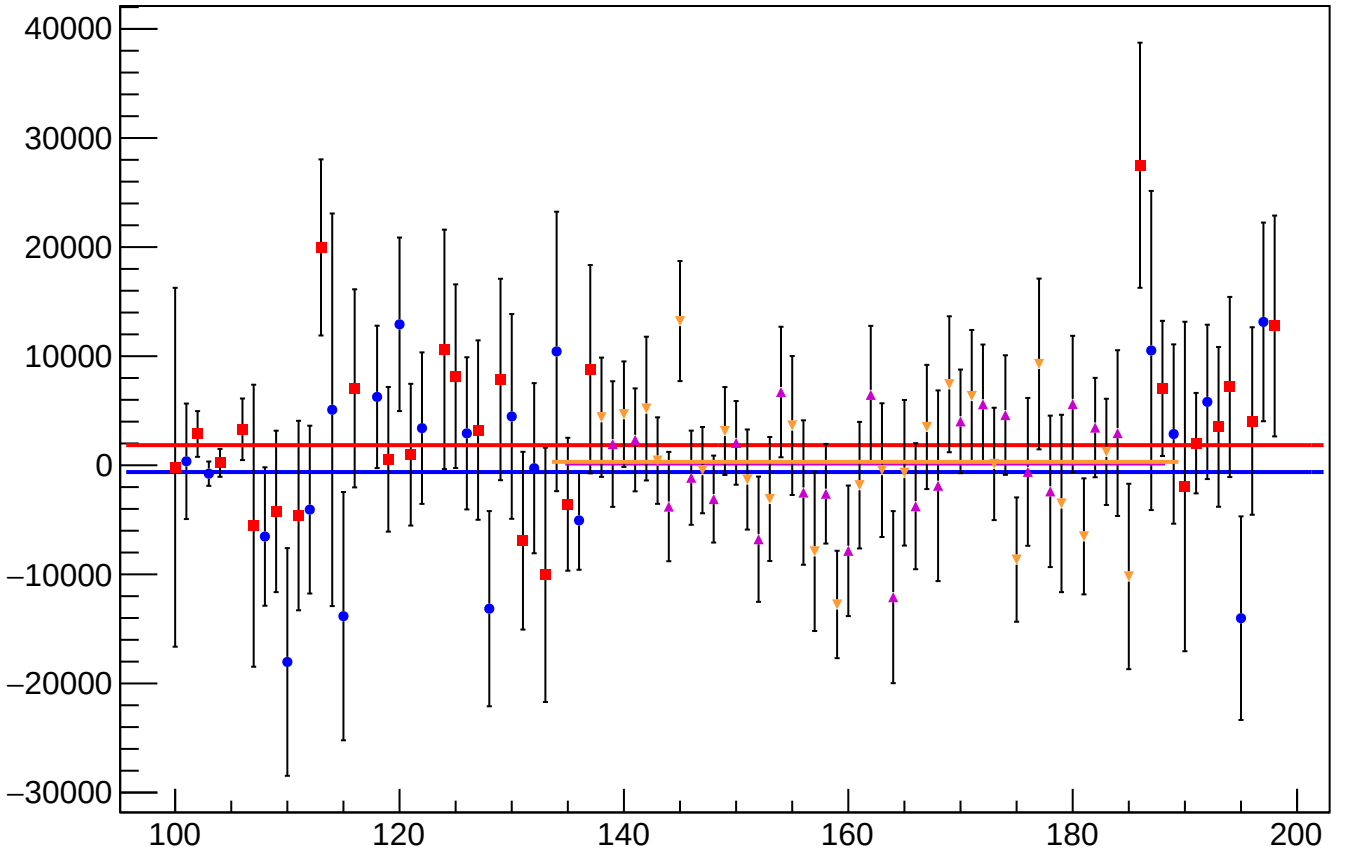
Right Out: 1878.839+/-0.379 χ^2/NDF: 517062.6/26

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1755.922+/-0.227 χ^2/NDF: 406747.6/45

All: 1761.012+/-0.160 χ^2/NDF: 1084454.1/95

- sign 1766.045+/-0.226 χ^2/NDF: 676709.2/49



Right In: -621.334+/-935.969 χ^2/NDF: 19.9/20

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1845.243+/-865.757 χ^2/NDF: 22.0/26

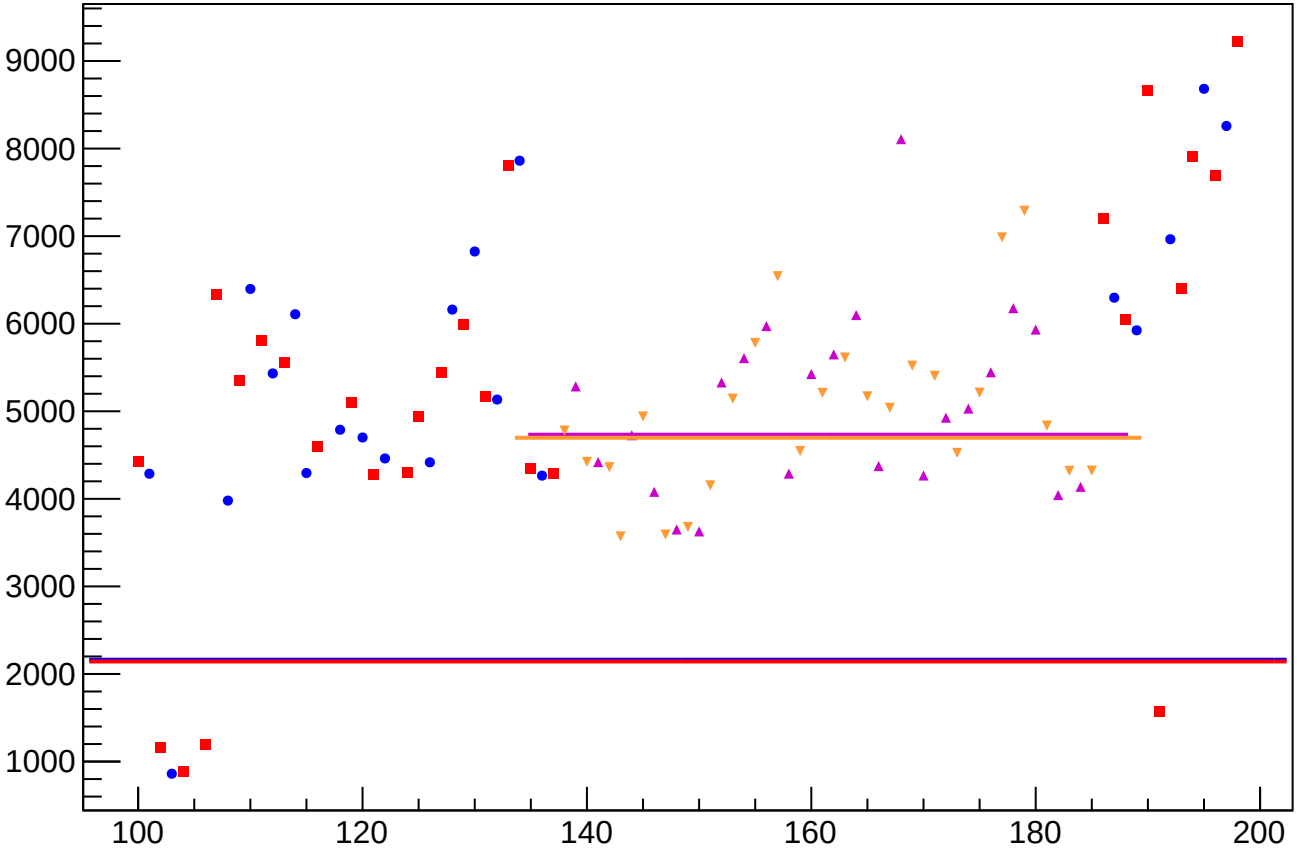
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -225.176+/-710.644 χ^2/NDF: 47.3/45

All: 522.007+/-493.888 χ^2/NDF: 87.5/95

- sign 1220.072+/-686.889 χ^2/NDF: 38.1/49

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2162.514+/-0.662 χ^2/NDF: 10411597.7/20

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2142.927+/-0.612 χ^2/NDF: 11843837.8/26

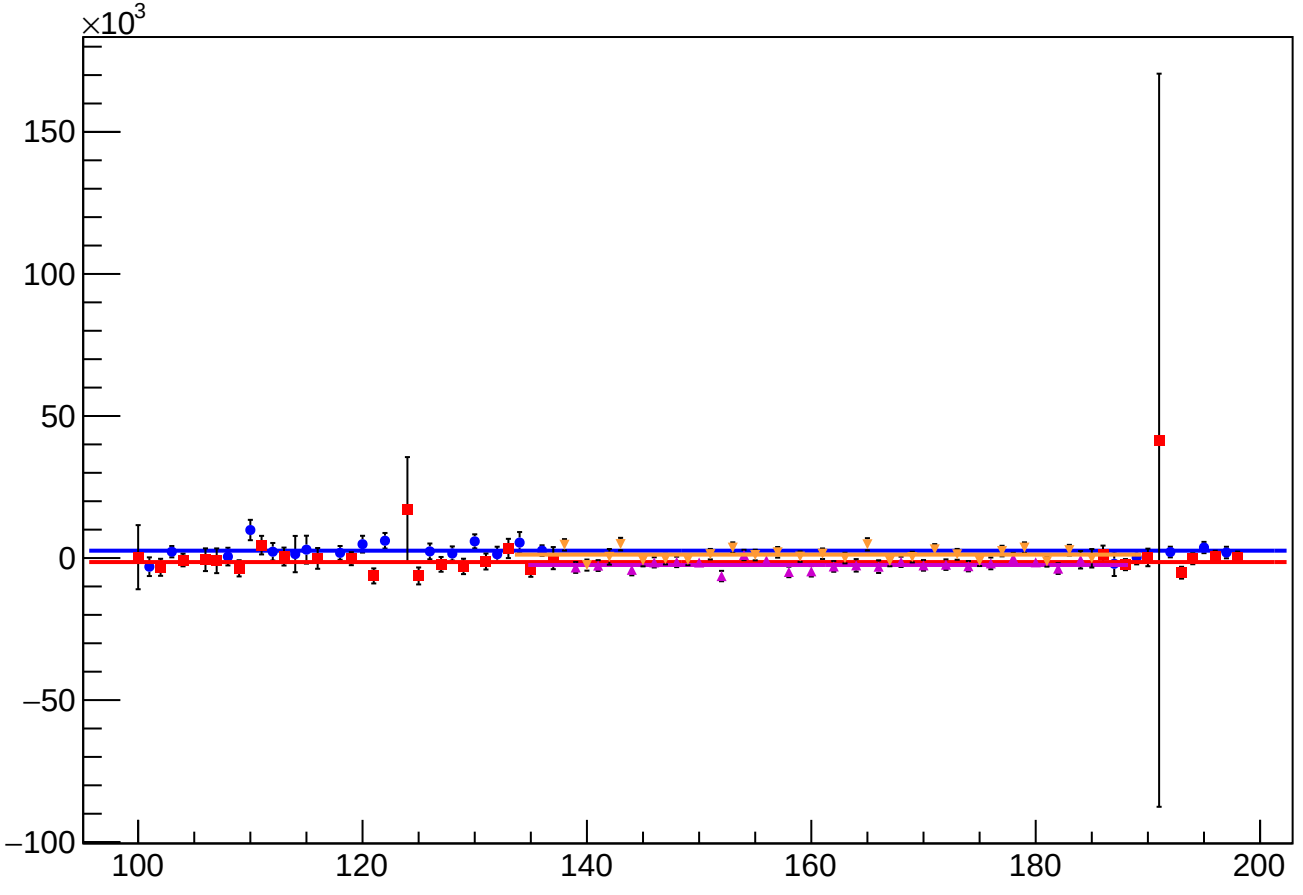
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3236.193+/-0.503 χ^2/NDF: 17865067.0/45

All: 3167.018+/-0.349 χ^2/NDF: 37617880.8/9

- sign 3102.390+/-0.486 χ^2/NDF: 19716158.0/49

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2592.135+/-570.423 χ^2/NDF: 15.2/20

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1413.357+/-537.174 χ^2/NDF: 22.6/26

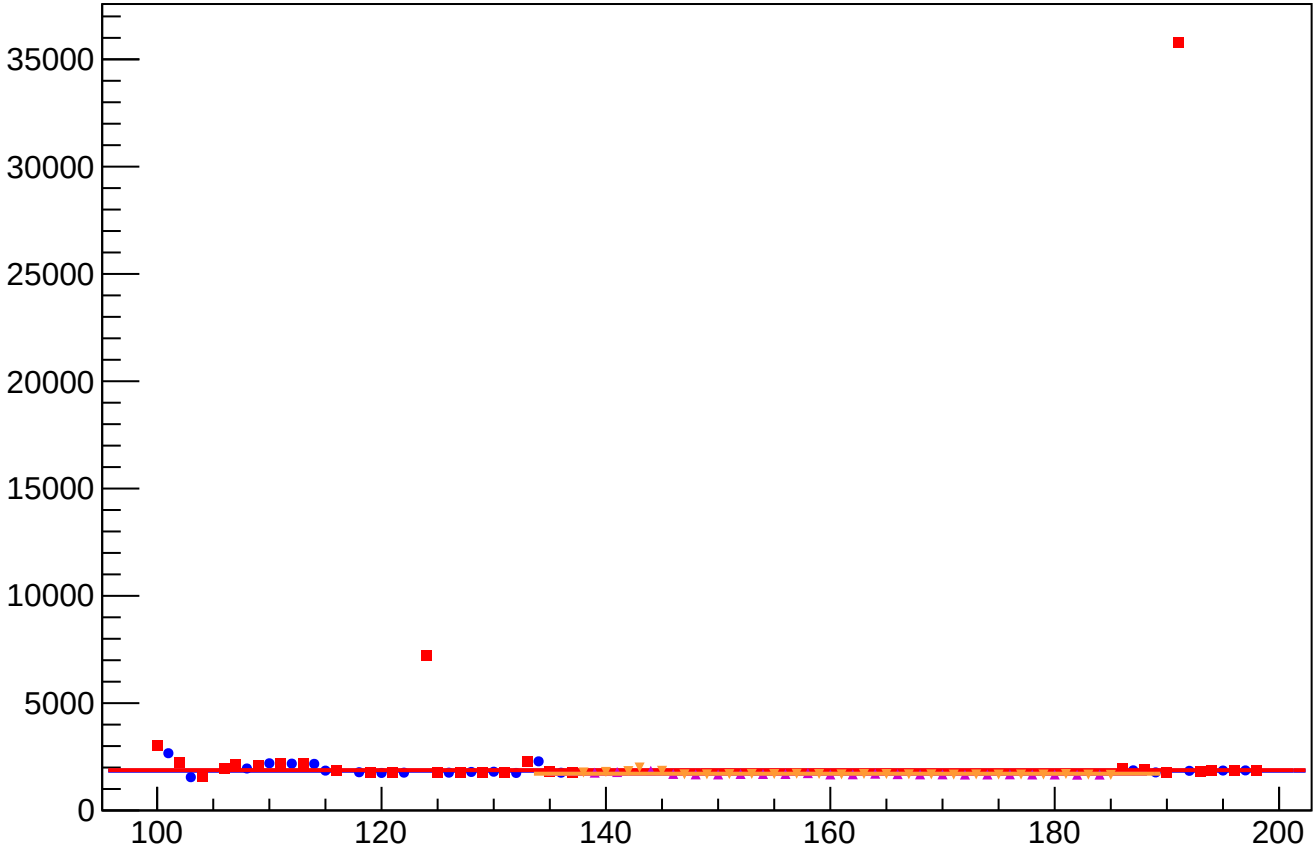
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1643.692+/-321.460 χ^2/NDF: 45.6/45

All: -225.690+/-226.708 χ^2/NDF: 155.4/95

- sign -2075.507+/-319.773 χ^2/NDF: 42.5/49

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1850.780+/-0.403 χ^2/NDF: 265632.7/20

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1879.100+/-0.379 χ^2/NDF: 517350.8/26

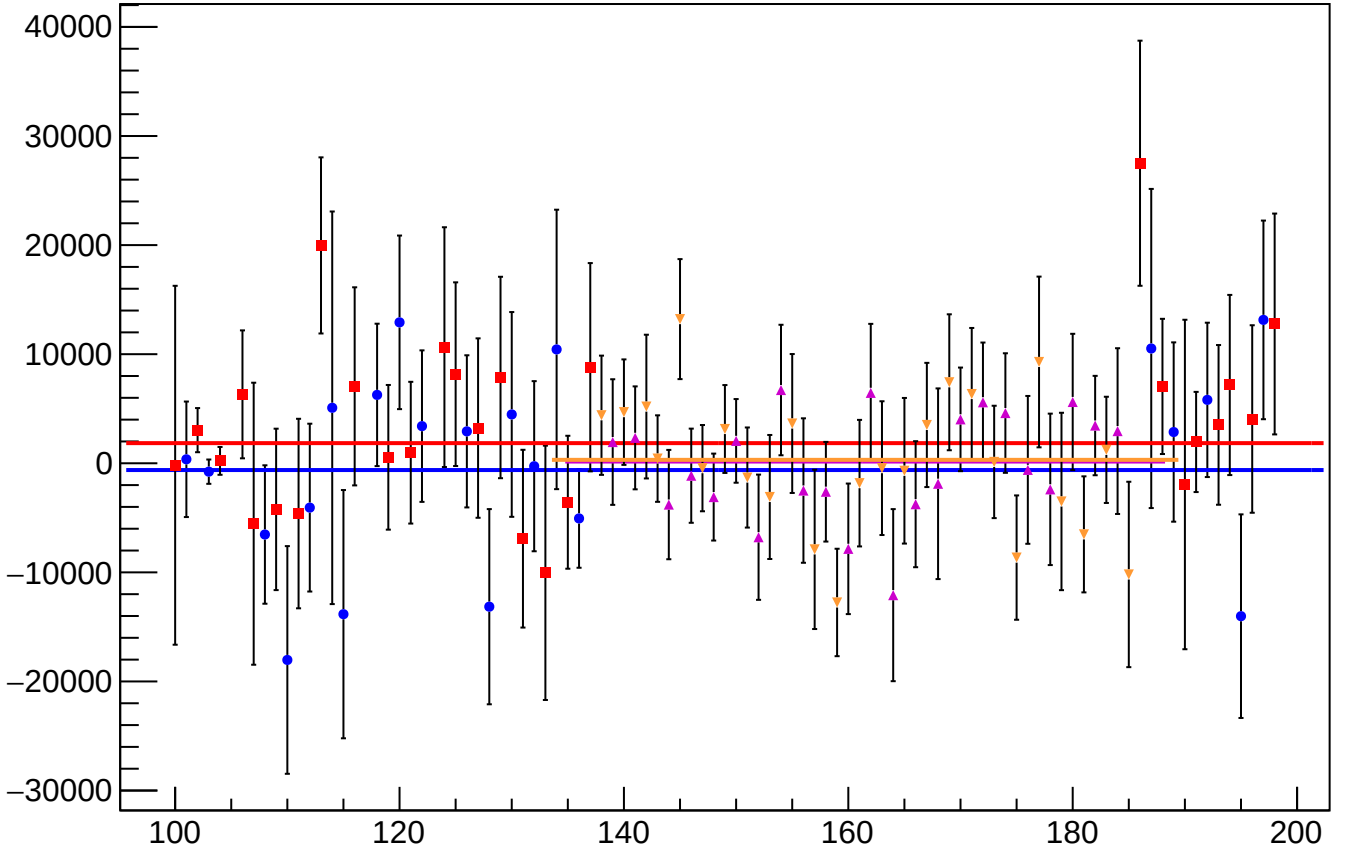
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1755.922+/-0.227 χ^2/NDF: 406747.5/45

All: 1761.053+/-0.160 χ^2/NDF: 1085146.0/95

- sign 1766.127+/-0.226 χ^2/NDF: 677384.9/49

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -620.895+/-935.920 χ^2/NDF: 19.9/20

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1846.429+/-892.742 χ^2/NDF: 22.4/26

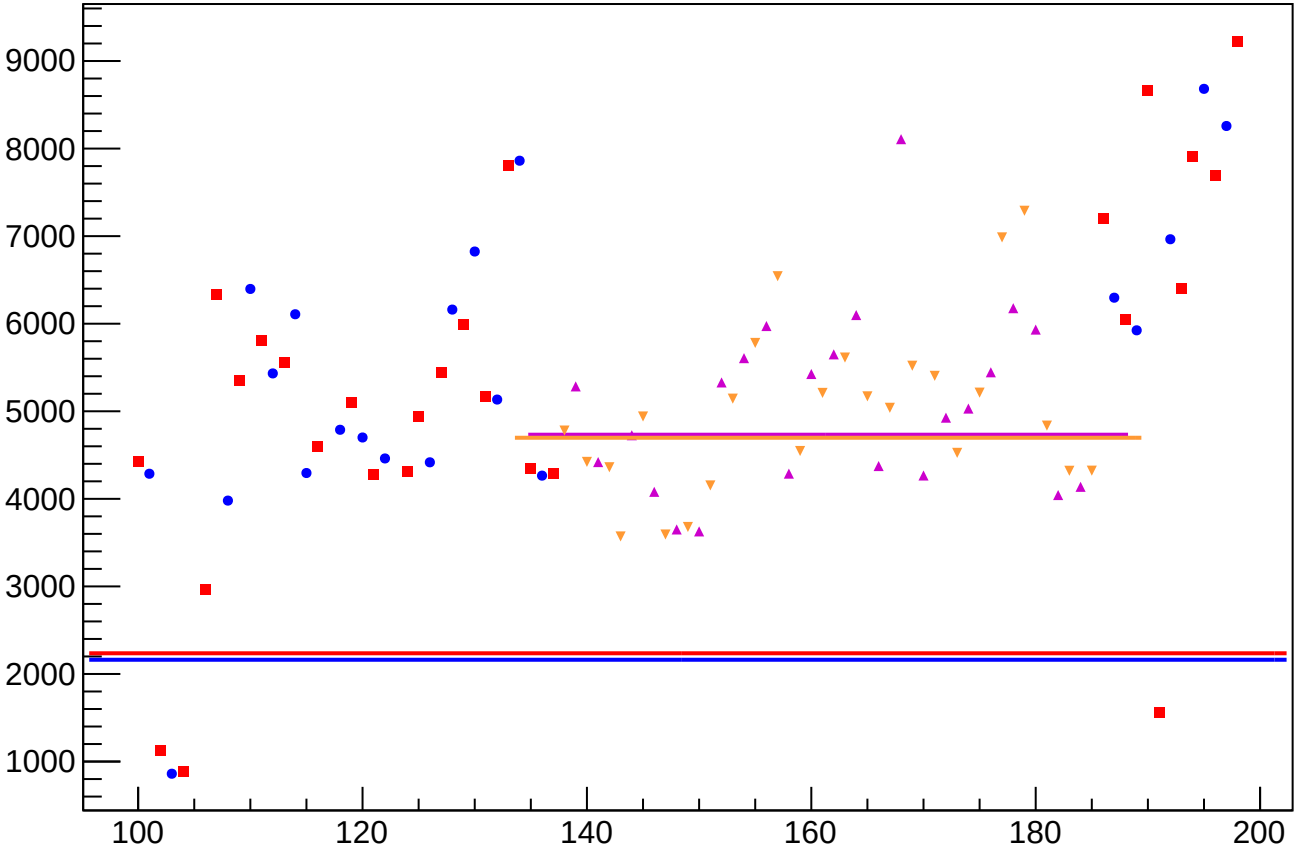
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -224.932+/-710.622 χ^2/NDF: 47.3/45

All: 496.331+/-498.736 χ^2/NDF: 87.8/95

- sign 1196.461+/-700.134 χ^2/NDF: 38.5/49

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2162.338+/-0.662 χ^2/NDF: 10412237.9/20

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2236.341+/-0.631 χ^2/NDF: 11704813.4/26

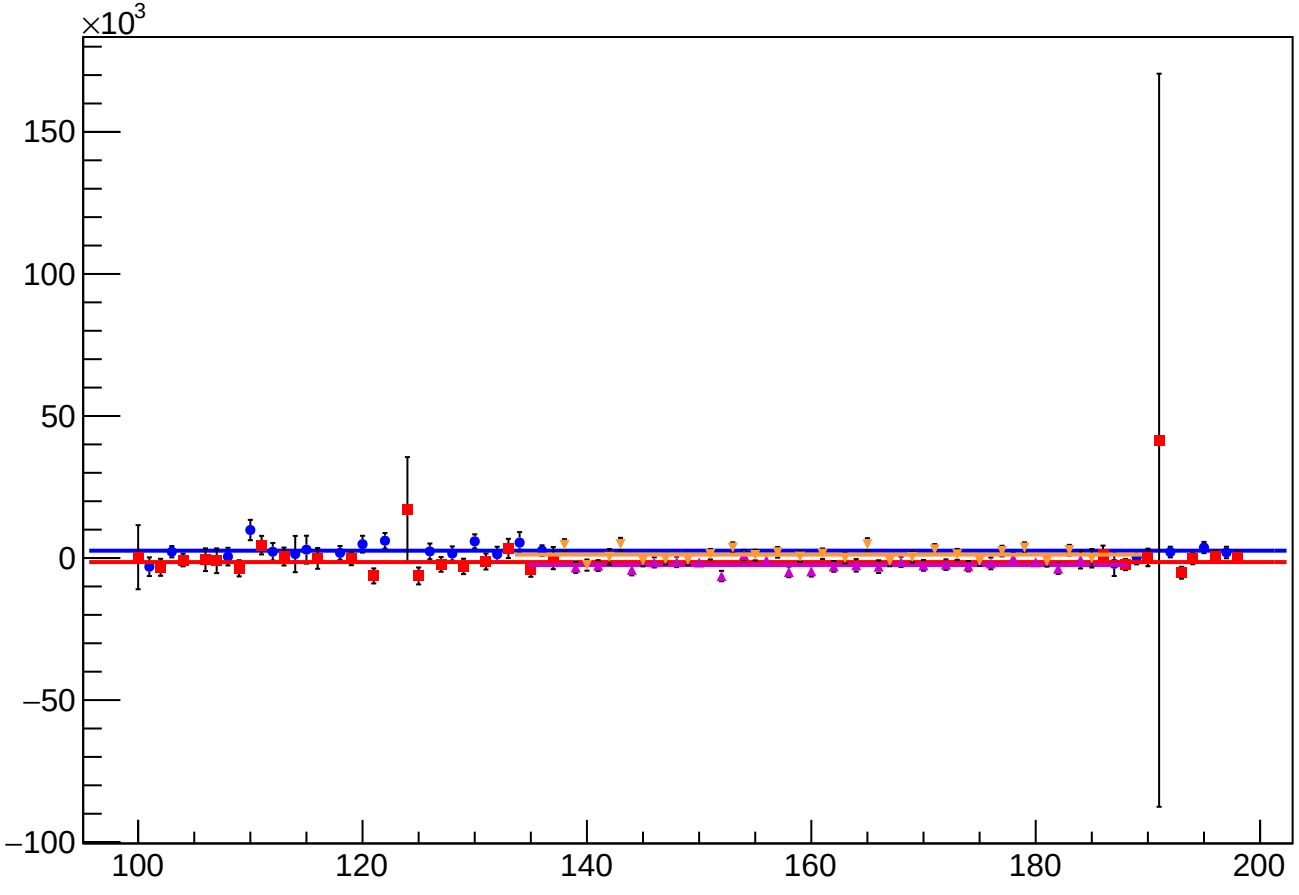
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3236.026+/-0.502 χ^2/NDF: 17866844.8/45

All: 3216.327+/-0.353 χ^2/NDF: 36836144.3/9

- sign 3197.204+/-0.495 χ^2/NDF: 18966270.5/49

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2592.135+/-570.423 χ^2/NDF: 15.2/20

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1413.357+/-537.174 χ^2/NDF: 22.6/26

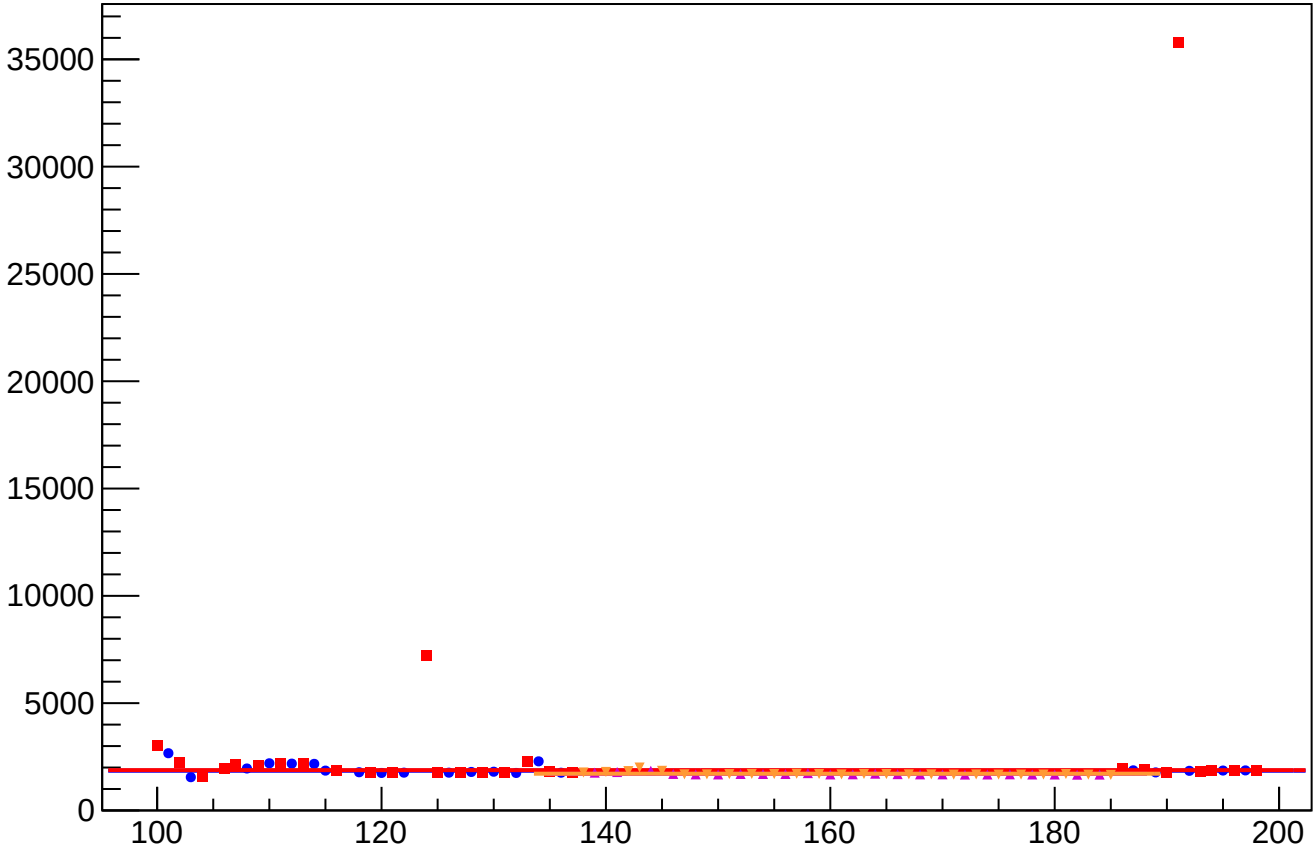
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1643.692+/-321.460 χ^2/NDF: 45.6/45

All: -225.690+/-226.708 χ^2/NDF: 155.4/95

- sign -2075.507+/-319.773 χ^2/NDF: 42.5/49

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1850.780+/-0.403 χ^2/NDF: 265632.7/20

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

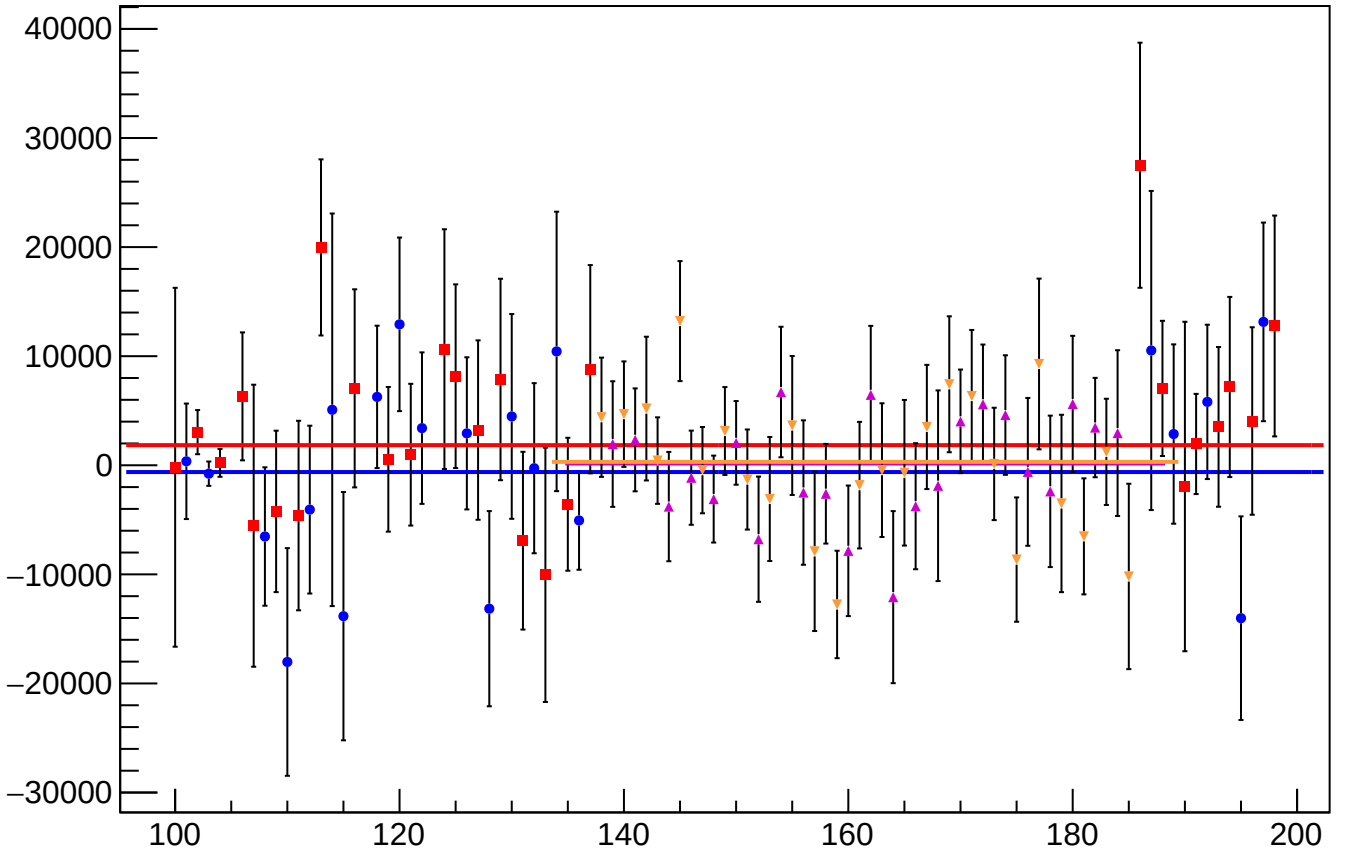
Right Out: 1879.100+/-0.379 χ^2/NDF: 517350.8/26

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1755.922+/-0.227 χ^2/NDF: 406747.5/45

All: 1761.053+/-0.160 χ^2/NDF: 1085146.0/95

- sign 1766.127+/-0.226 χ^2/NDF: 677384.9/49



Right In: -620.895+/-935.920 χ^2/NDF: 19.9/20

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

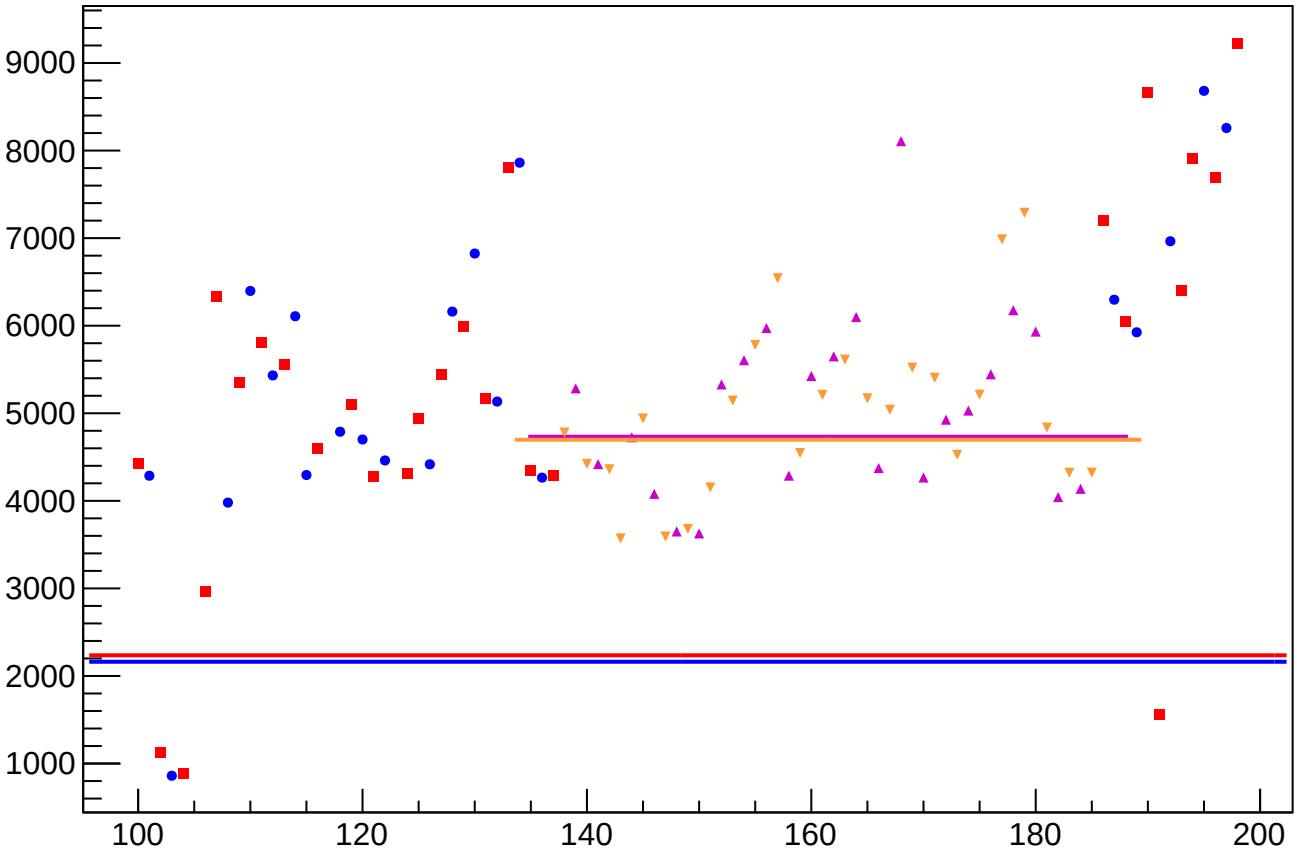
Right Out: 1846.429+/-892.742 χ^2/NDF: 22.4/26

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -224.932+/-710.622 χ^2/NDF: 47.3/45

All: 496.331+/-498.736 χ^2/NDF: 87.8/95

- sign 1196.461+/-700.134 χ^2/NDF: 38.5/49



Right In: 2162.338+/-0.662 χ^2/NDF: 10412237.9/20

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2236.341+/-0.631 χ^2/NDF: 11704813.4/26

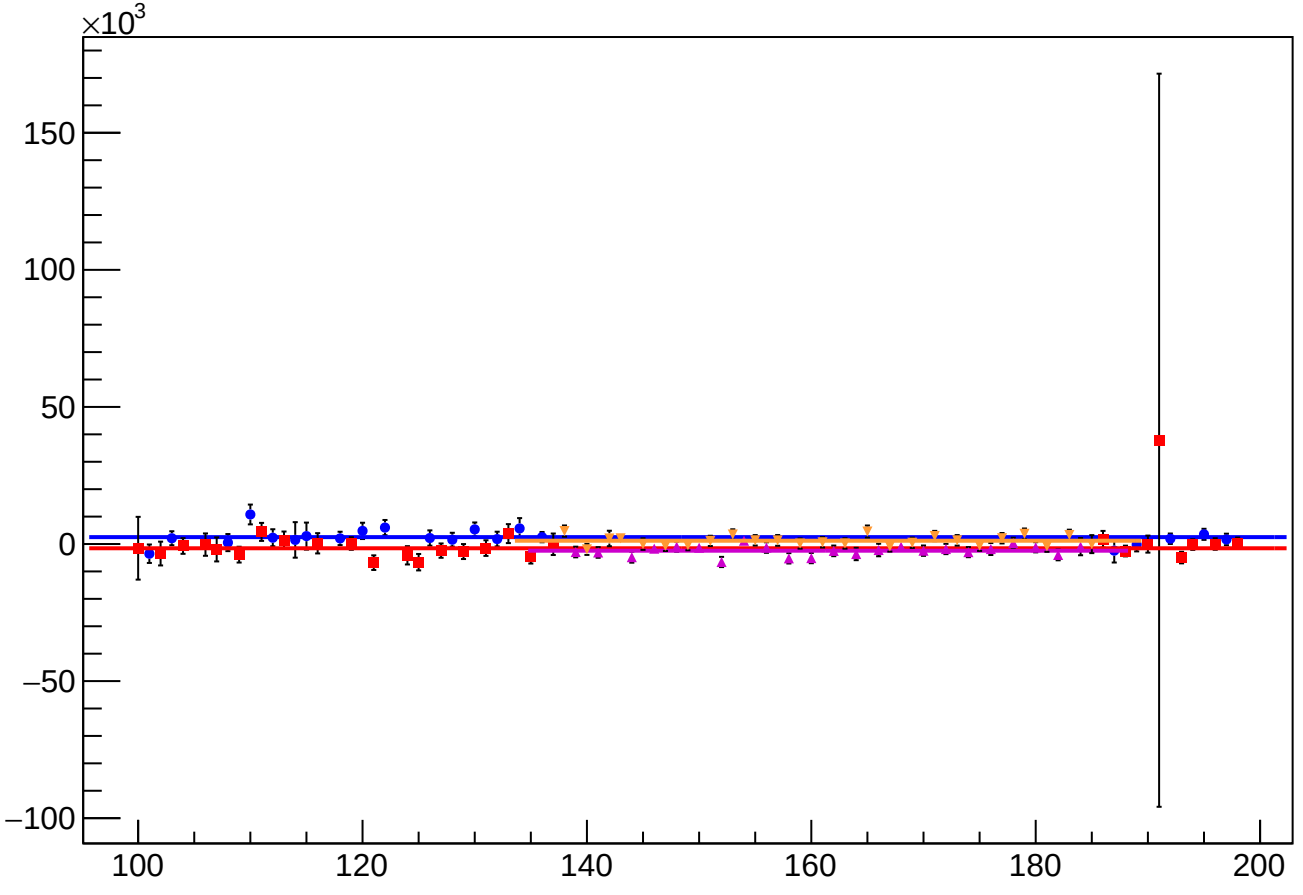
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3236.026+/-0.502 χ^2/NDF: 17866844.8/45

All: 3216.327+/-0.353 χ^2/NDF: 36836144.3/9

- sign 3197.204+/-0.495 χ^2/NDF: 18966270.5/49

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2513.556+/-587.036 χ^2/NDF: 16.3/20

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1554.532+/-546.655 χ^2/NDF: 23.8/26

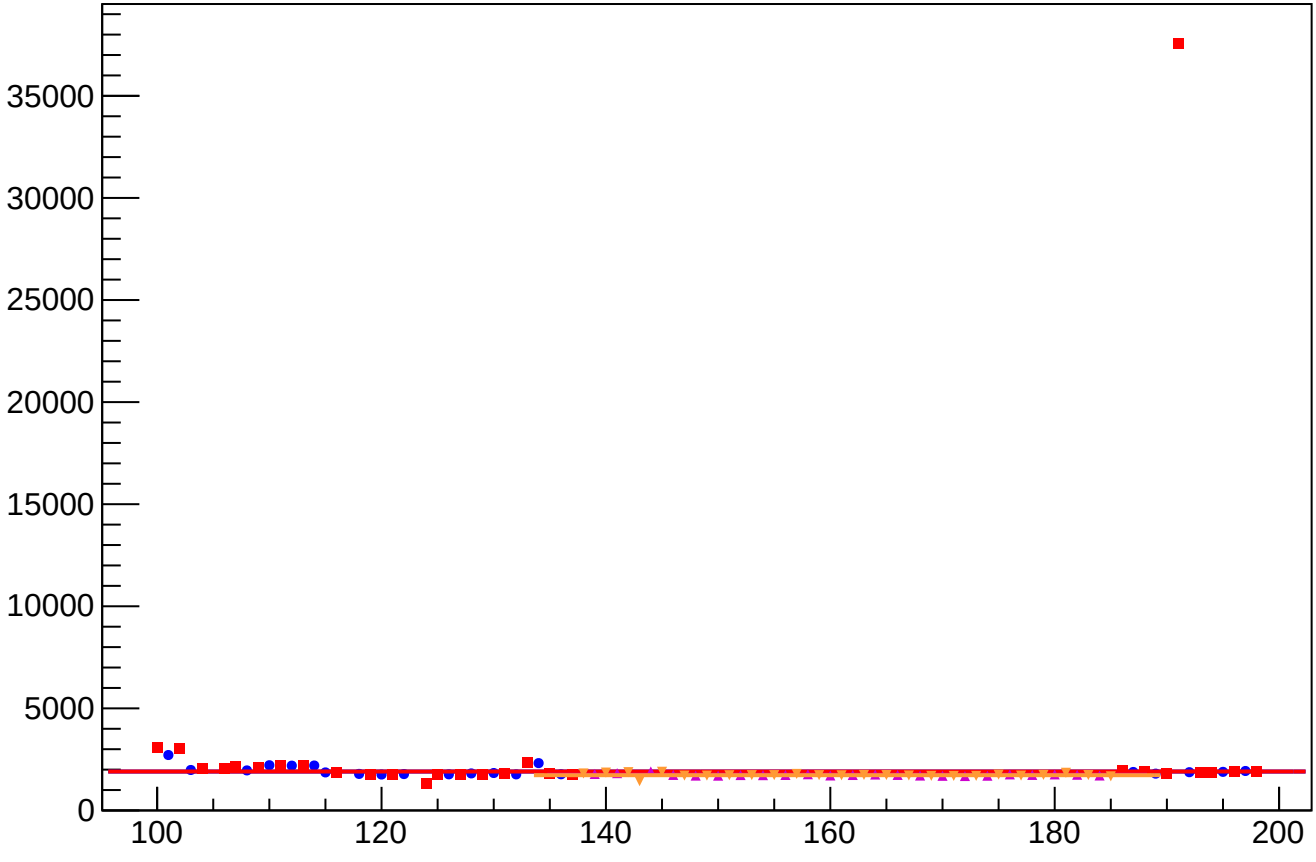
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1604.671+/-326.563 χ^2/NDF: 39.3/45

All: -257.863+/-230.977 χ^2/NDF: 150.5/95

- sign -2122.417+/-326.740 χ^2/NDF: 46.1/49

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1905.822+/-0.415 χ^2/NDF: 220703.2/20

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1908.057+/-0.386 χ^2/NDF: 498095.2/26

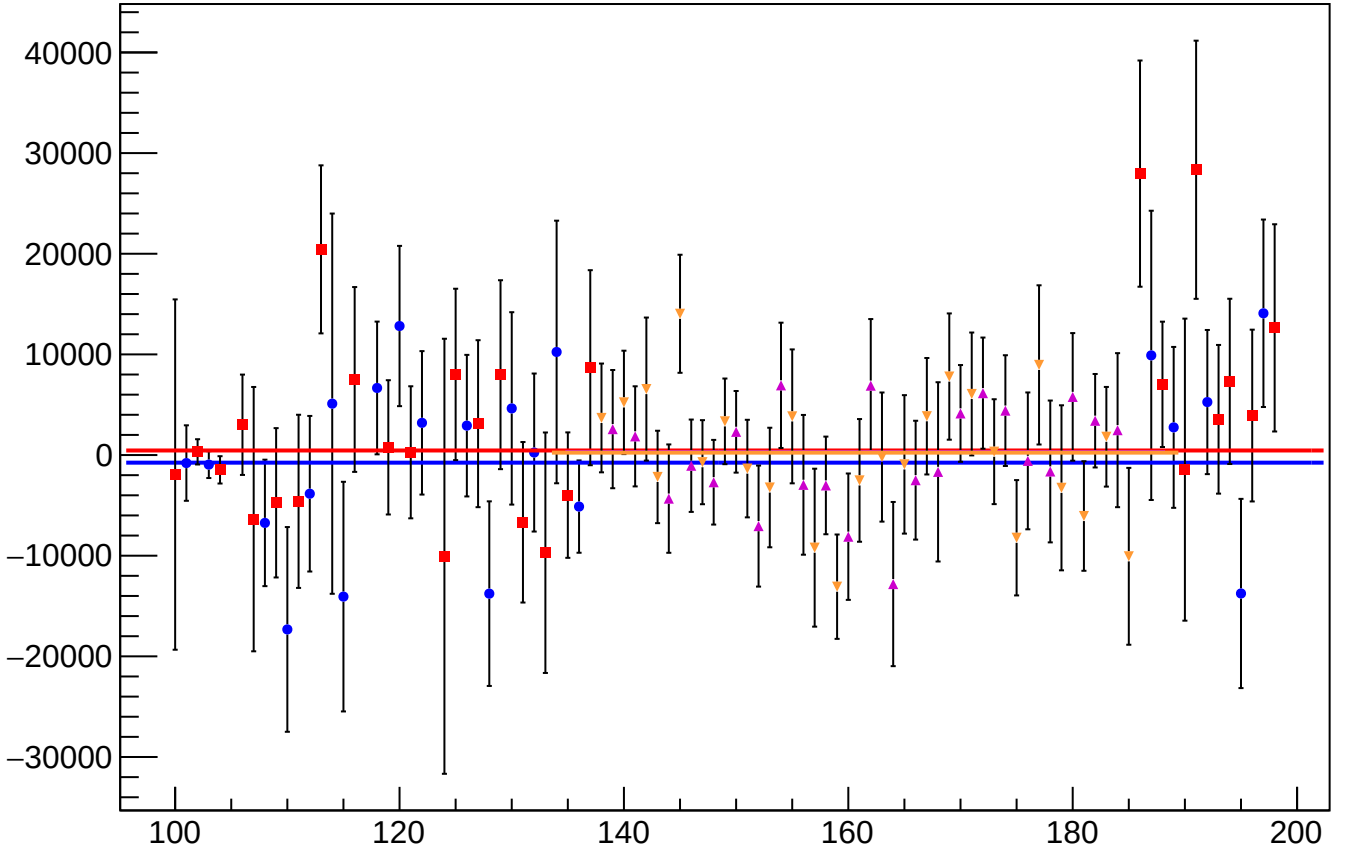
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1782.501+/-0.231 χ^2/NDF: 458792.1/45

All: 1792.773+/-0.163 χ^2/NDF: 1102602.7/95

- sign 1803.052+/-0.231 χ^2/NDF: 639851.4/49

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -756.766+/-1035.635 χ^2/NDF: 19.8/20

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 453.591+/-807.777 χ^2/NDF: 28.5/26

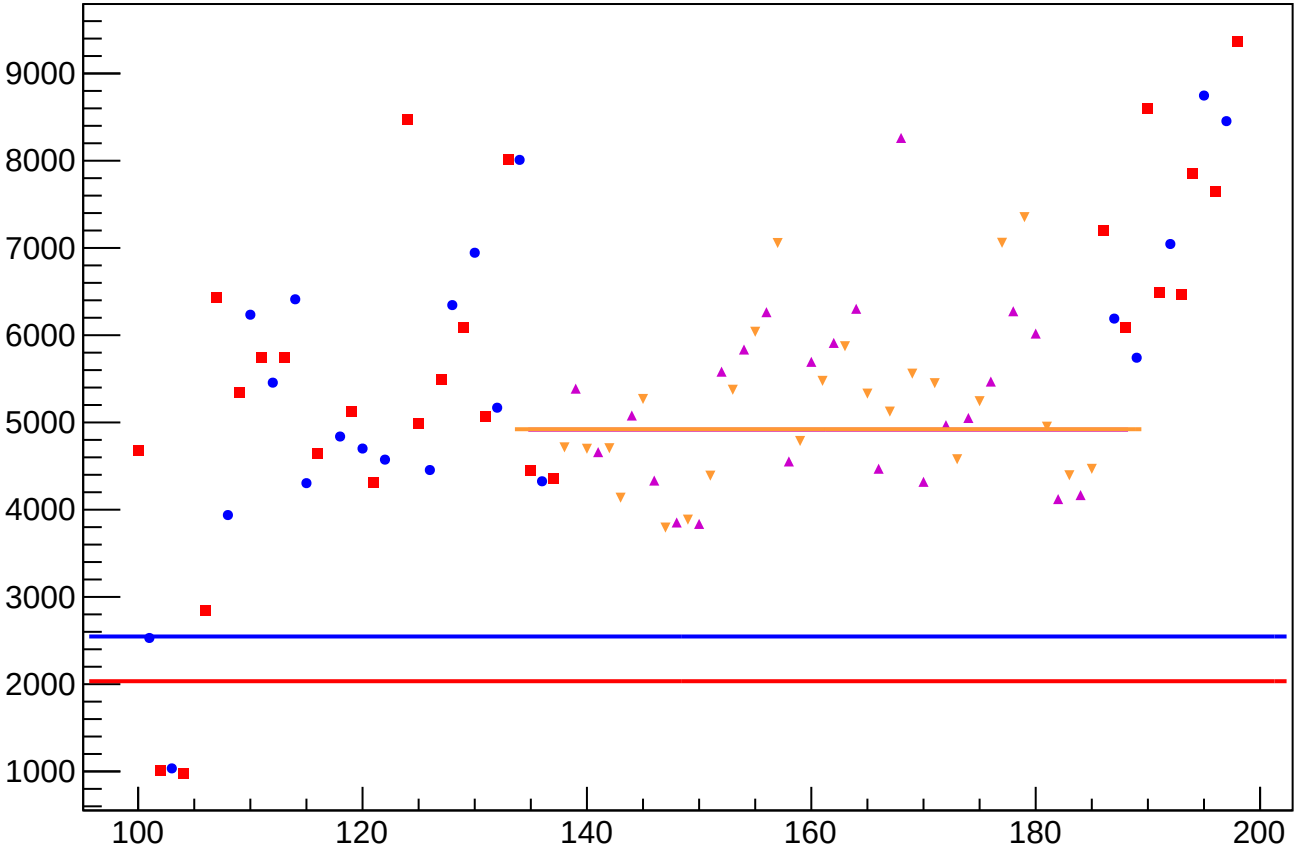
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -305.993+/-766.844 χ^2/NDF: 46.9/45

All: 100.453+/-502.371 χ^2/NDF: 90.5/95

- sign 406.040+/-664.925 χ^2/NDF: 43.0/49

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2546.643+/-0.732 χ^2/NDF: 8609726.7/20

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

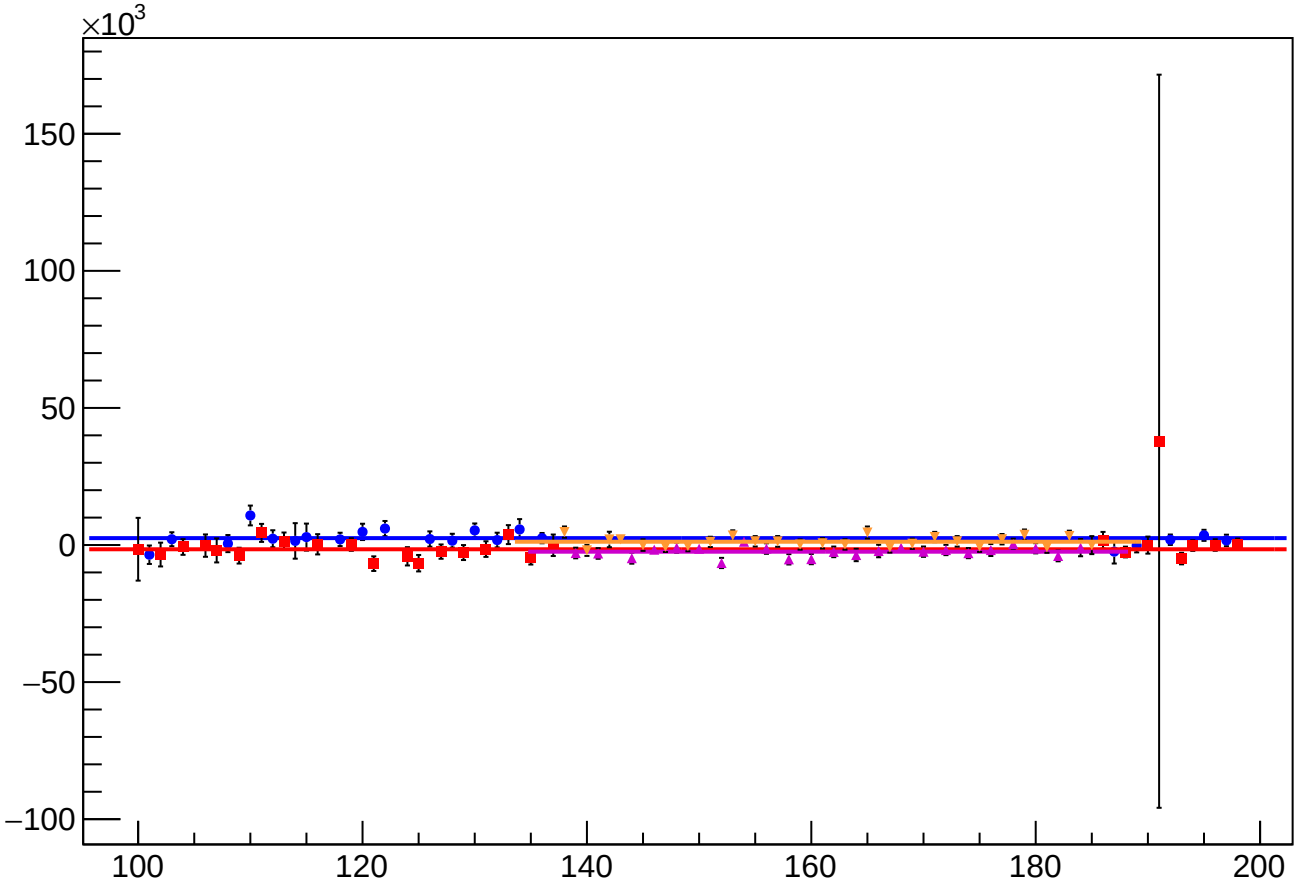
Right Out: 2034.023+/-0.571 χ^2/NDF: 12720628.0/26

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3619.818+/-0.542 χ^2/NDF: 14414421.1/45

All: 3245.194+/-0.355 χ^2/NDF: 37346535.5/9

- sign 2963.532+/-0.470 χ^2/NDF: 22095923.0/49



Right In: 2513.554+/-587.035 χ^2/NDF: 16.3/20

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1554.533+/-546.655 χ^2/NDF: 23.8/26

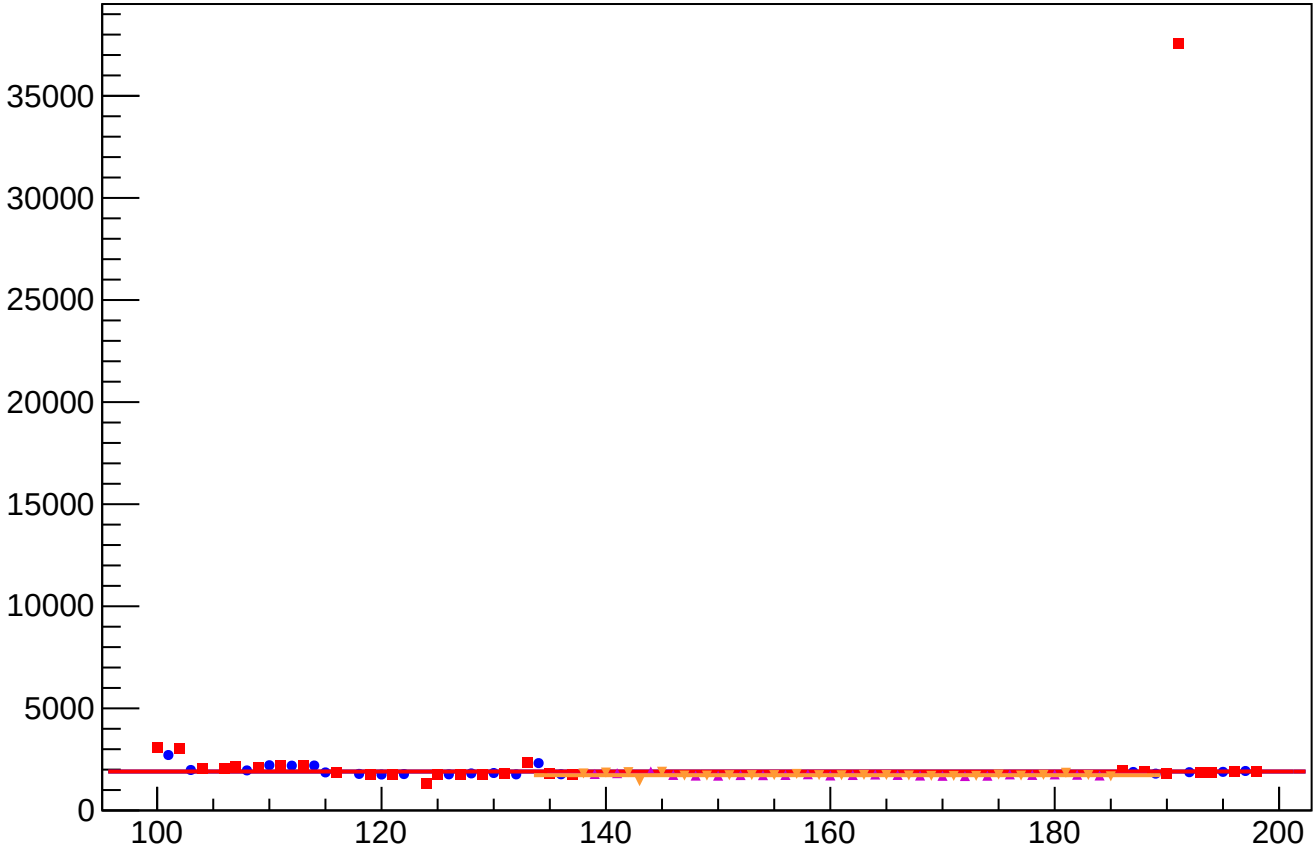
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1604.666+/-326.563 χ^2/NDF: 39.3/45

All: -257.865+/-230.977 χ^2/NDF: 150.5/95

- sign -2122.417+/-326.740 χ^2/NDF: 46.1/49

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1905.822+/-0.415 χ^2/NDF: 220703.4/20

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1908.057+/-0.386 χ^2/NDF: 498094.1/26

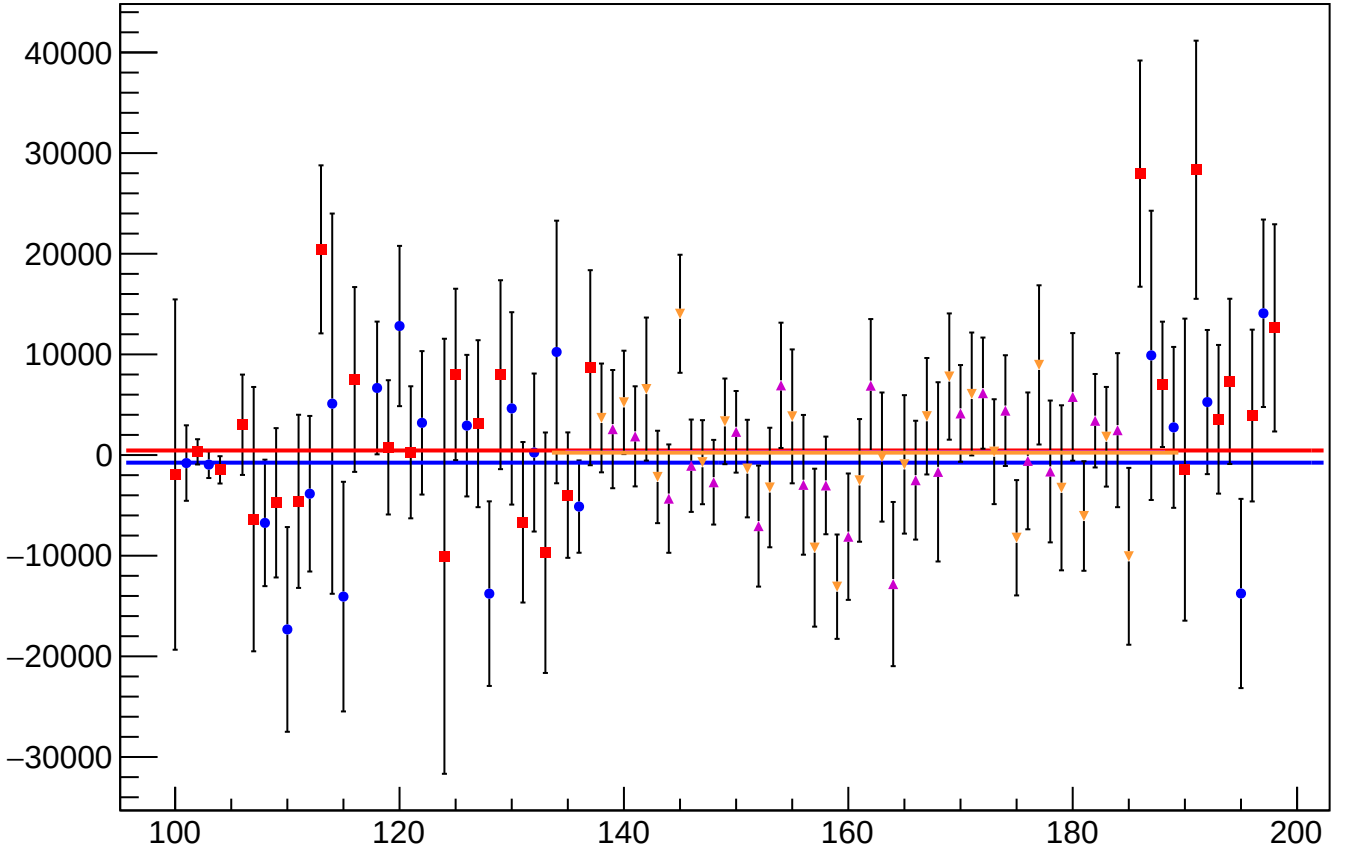
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1782.501+/-0.231 χ^2/NDF: 458789.2/45

All: 1792.773+/-0.163 χ^2/NDF: 1102597.2/95

- sign 1803.053+/-0.231 χ^2/NDF: 639848.9/49

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -756.764+/-1035.635 χ^2/NDF: 19.8/20

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

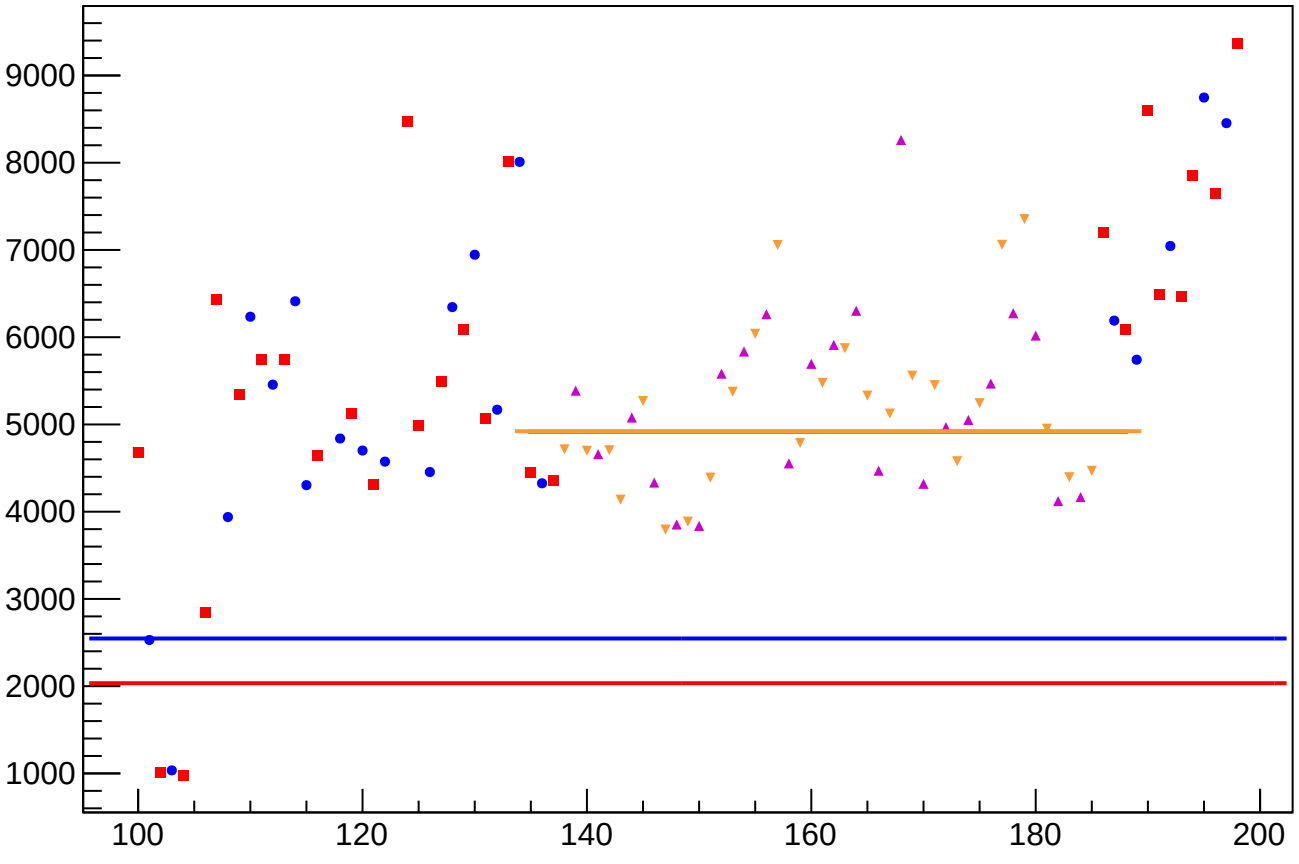
Right Out: 453.596+/-807.777 χ^2/NDF: 28.5/26

Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

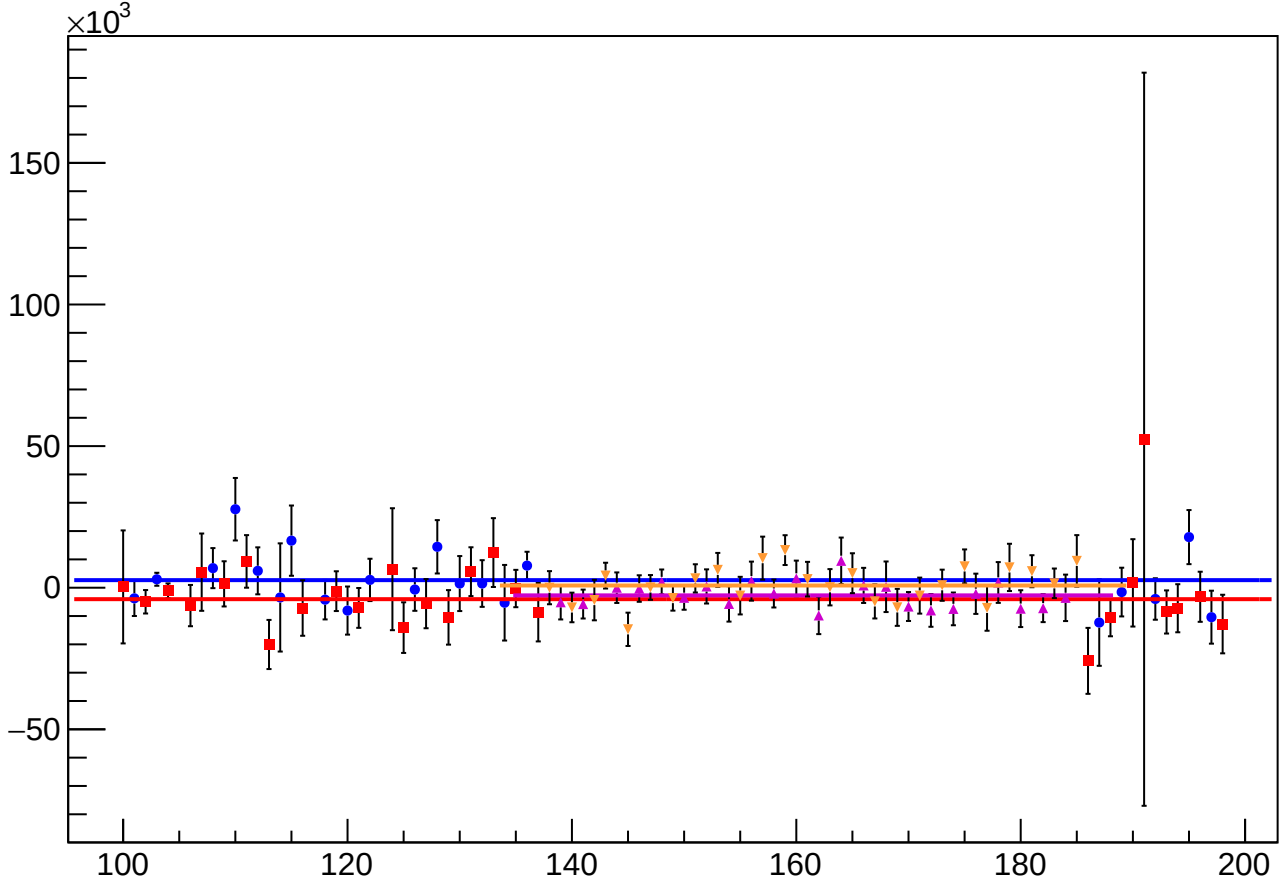
+ sign -305.994+/-766.844 χ^2/NDF: 46.9/45

All: 100.455+/-502.371 χ^2/NDF: 90.5/95

- sign 406.044+/-664.925 χ^2/NDF: 43.0/49


asym_atl1r2_avg_eigen_dit_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2546.642+/-0.732 χ²/NDF: 8609723.7/20
Left Out: 4922.388+/-0.807 χ²/NDF:1050409.4/24
Right Out: 2034.023+/-0.571 χ²/NDF: 12720622.4/26
Left In: 4916.972+/-0.828 χ²/NDF:1161645.9/22
+ sign 3619.819+/-0.542 χ²/NDF: 14414451.5/45
All: 3245.194+/-0.355 χ²/NDF: 37346598.2/9
- sign 2963.532+/-0.470 χ²/NDF: 22095953.4/49

asym_atl1r2_avg_mean vs Slug



Right In: 2674.541+/-1441.971 χ^2/NDF: 20.5/20

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -4044.509+/-1409.227 χ^2/NDF: 20.0/26

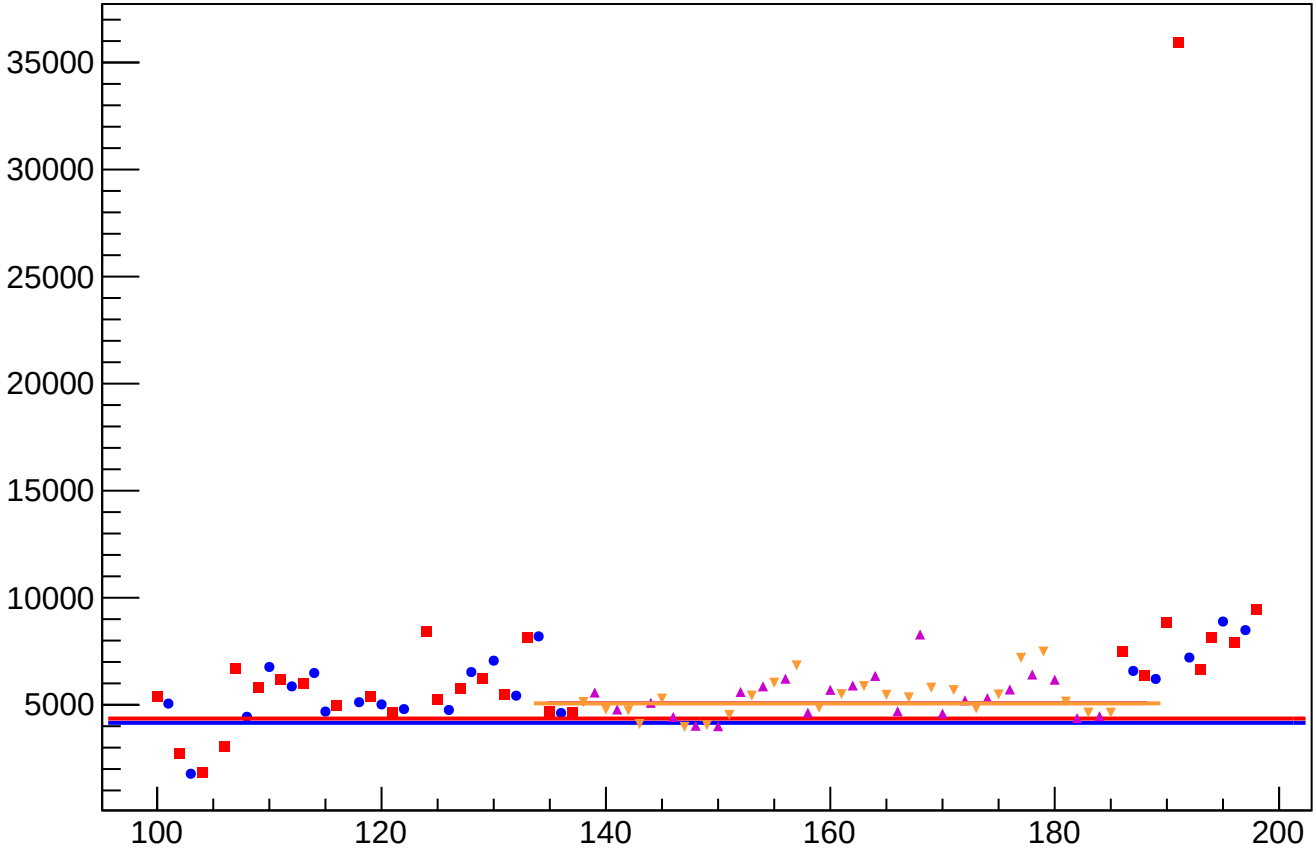
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1538.436+/-909.466 χ^2/NDF: 49.1/45

All: -848.389+/-645.527 χ^2/NDF: 95.4/95

- sign -3271.747+/-916.400 χ^2/NDF: 32.5/49

asym_atl1r2_avg_rms vs Slug



Right In: 4158.211+/-1.020 χ^2/NDF: 4499372.6/20

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4358.164+/-0.988 χ^2/NDF: 5057701.0/26

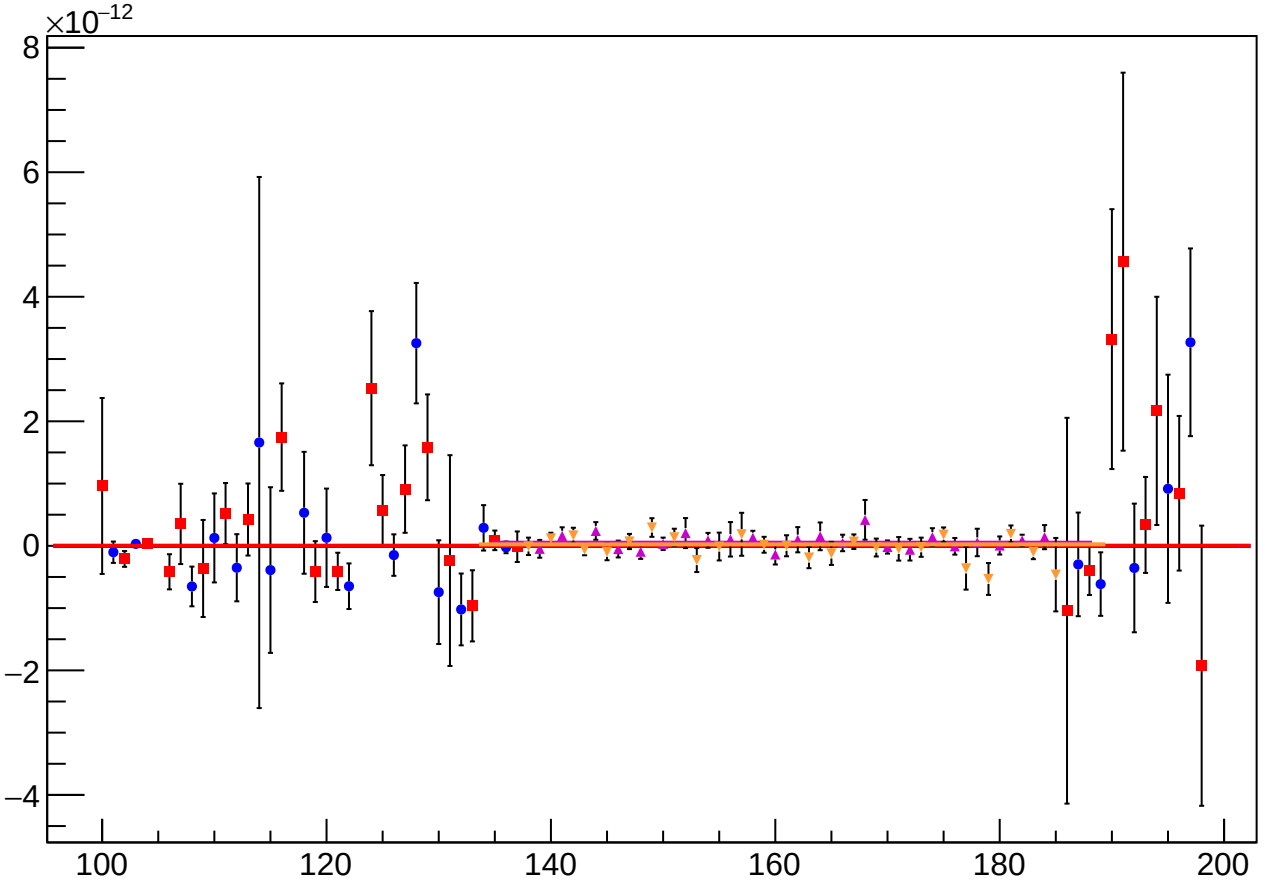
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4706.029+/-0.643 χ^2/NDF: 5932967.6/45

All: 4738.715+/-0.456 χ^2/NDF: 12302600.6/9

- sign 4771.669+/-0.646 χ^2/NDF: 6364445.0/49

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

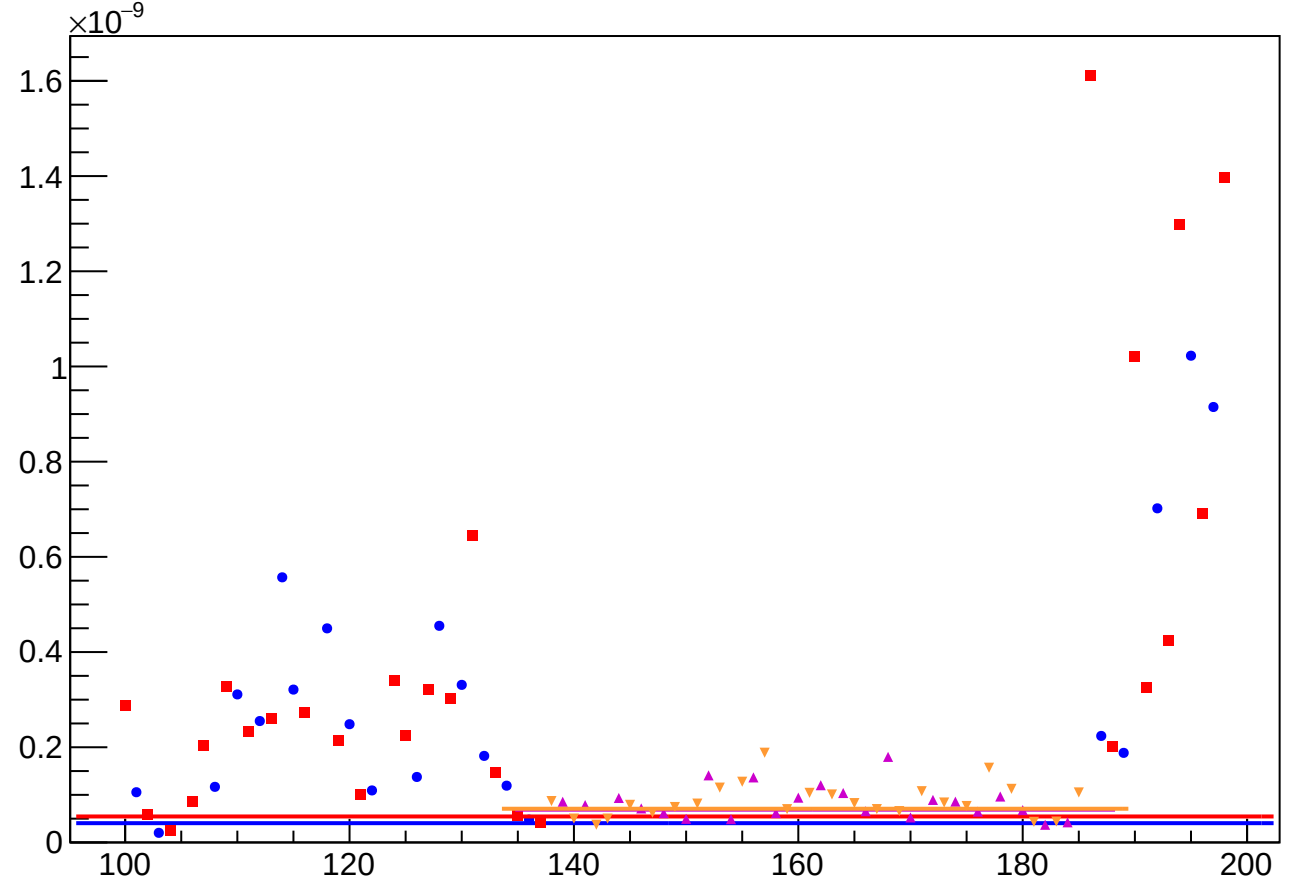
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/26

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/45

All: 0.000+/-0.000 χ^2/NDF: 105.2/95

- sign 0.000+/-0.000 χ^2/NDF: 48.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 5484702.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

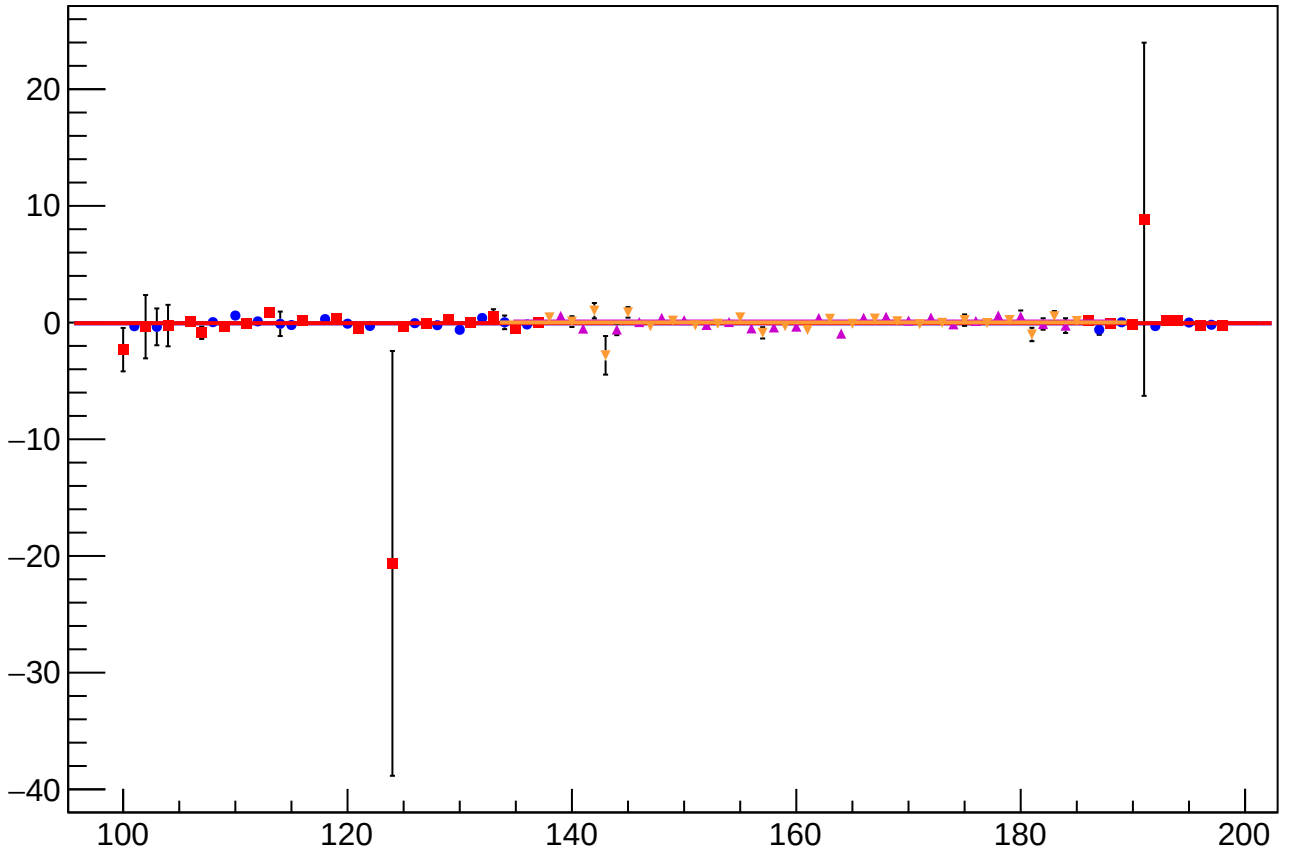
Right Out: 0.000+/-0.000 χ^2/NDF: 6780888.8/26

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7832367.8/45

All: 0.000+/-0.000 χ^2/NDF: 16243272.5/95

- sign 0.000+/-0.000 χ^2/NDF: 8356437.0/49



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.049+/-0.055 χ^2/NDF: 27.7/26

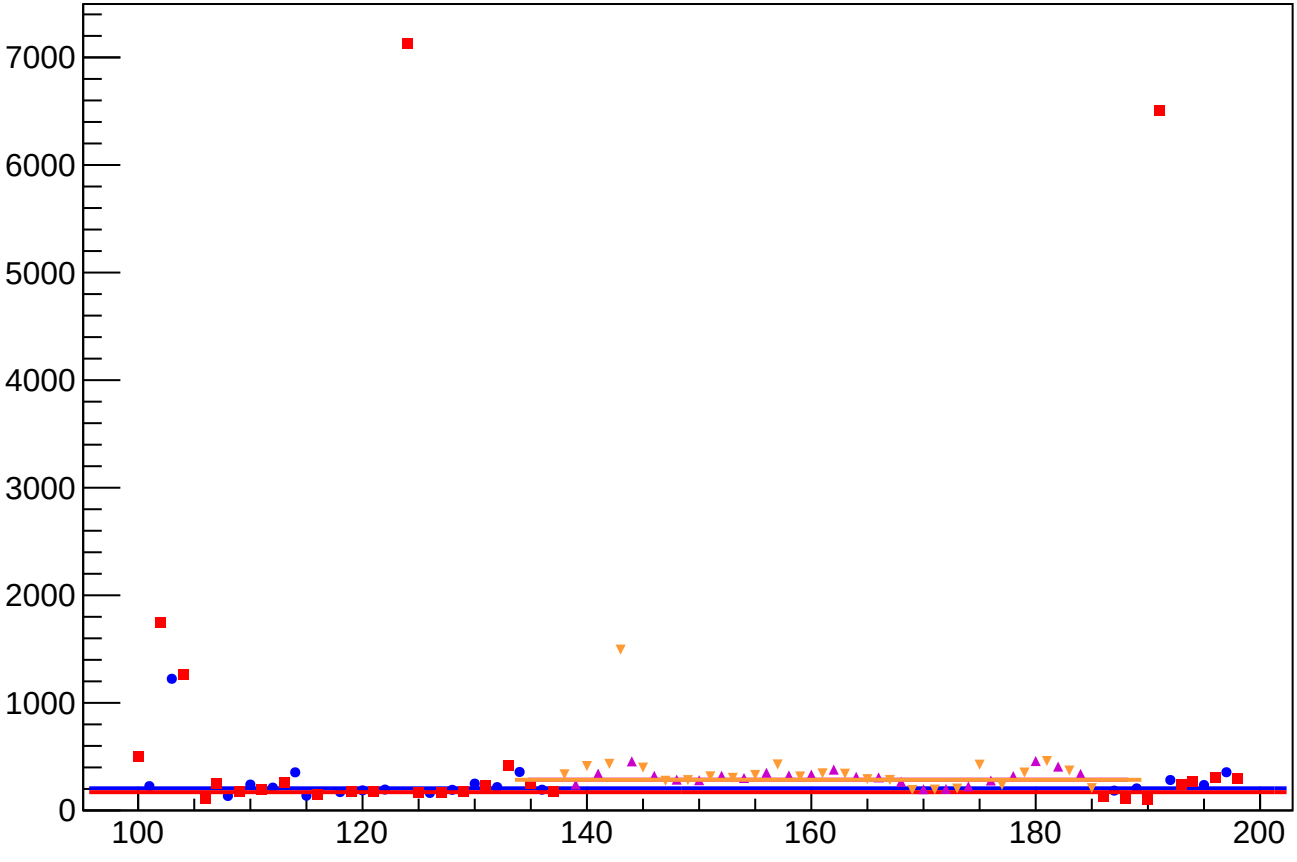
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.027+/-0.049 χ^2/NDF: 43.2/45

All: -0.010+/-0.033 χ^2/NDF: 104.5/95

- sign 0.004+/-0.044 χ^2/NDF: 61.0/49

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 205.812+/-0.048 χ^2/NDF: 1887807.7/20

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

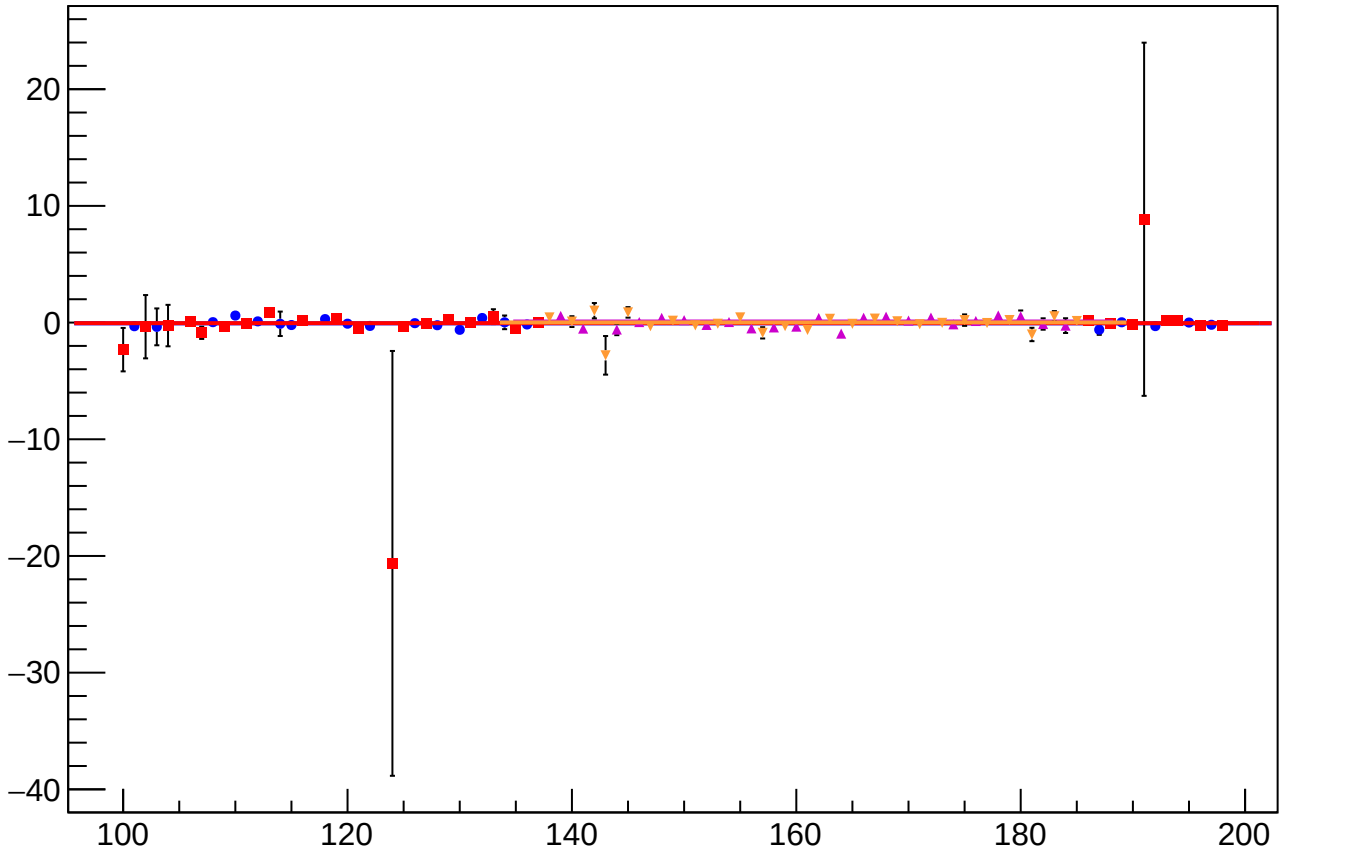
Right Out: 169.905+/-0.039 χ^2/NDF: 4686054.4/26

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 244.693+/-0.035 χ^2/NDF: 6606096.9/45

All: 227.764+/-0.023 χ^2/NDF: 16812920.0/95

- sign 214.324+/-0.031 χ^2/NDF: 9777063.5/49



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

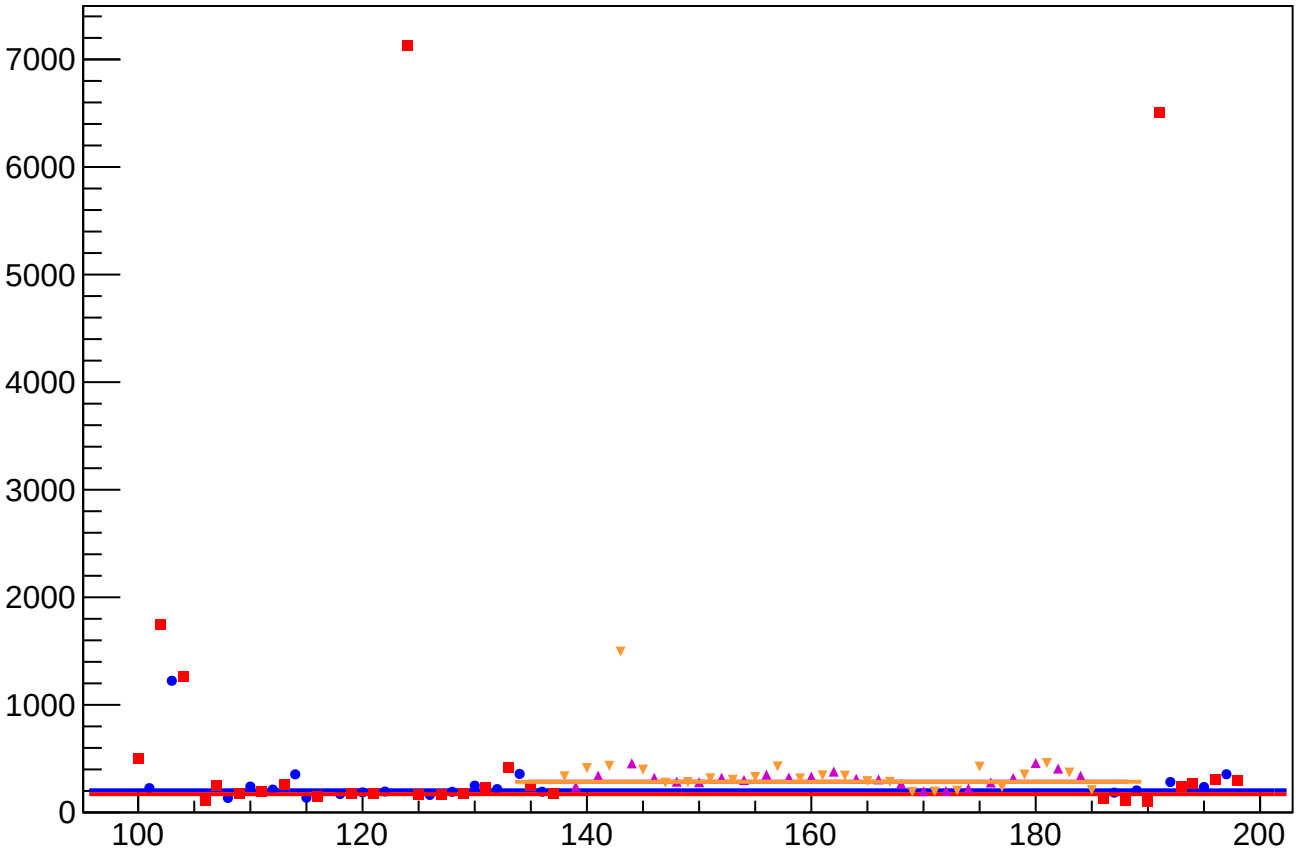
Right Out: -0.049+/-0.055 χ^2/NDF: 27.7/26

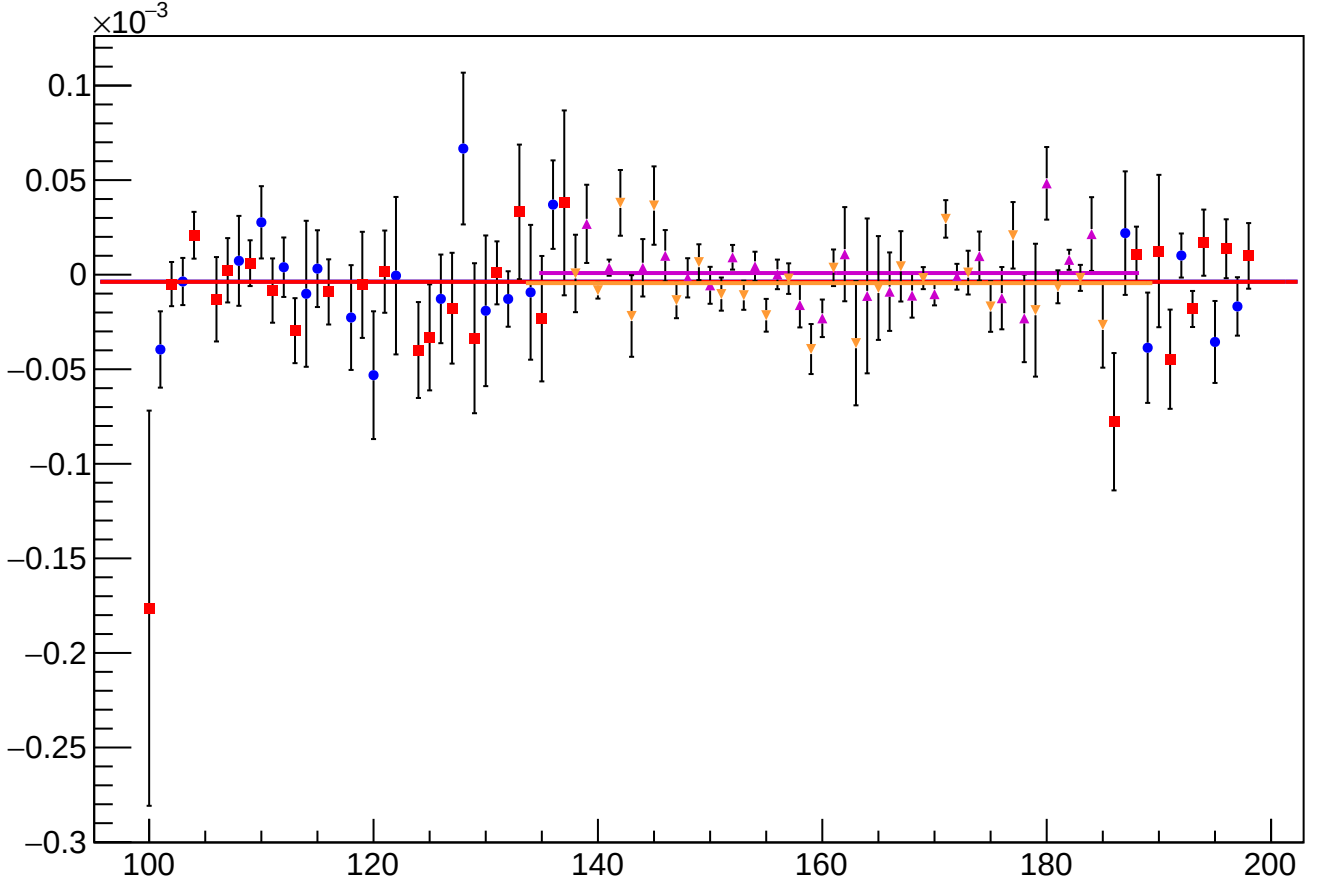
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.027+/-0.049 χ^2/NDF: 43.2/45

All: -0.010+/-0.033 χ^2/NDF: 104.5/95

- sign 0.004+/-0.044 χ^2/NDF: 61.0/49


asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 205.812+/-0.048 χ²/NDF: 1887807.7/20
Left Out: 285.036+/-0.049 χ²/NDF:3407001.6/24
Right Out: 169.905+/-0.039 χ²/NDF: 4686054.4/26
Left In: 285.869+/-0.050 χ²/NDF:1744706.1/22
+ sign 244.693+/-0.035 χ²/NDF: 6606096.9/45
All: 227.764+/-0.023 χ²/NDF: 16812920.0/95
- sign 214.324+/-0.031 χ²/NDF: 9777063.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

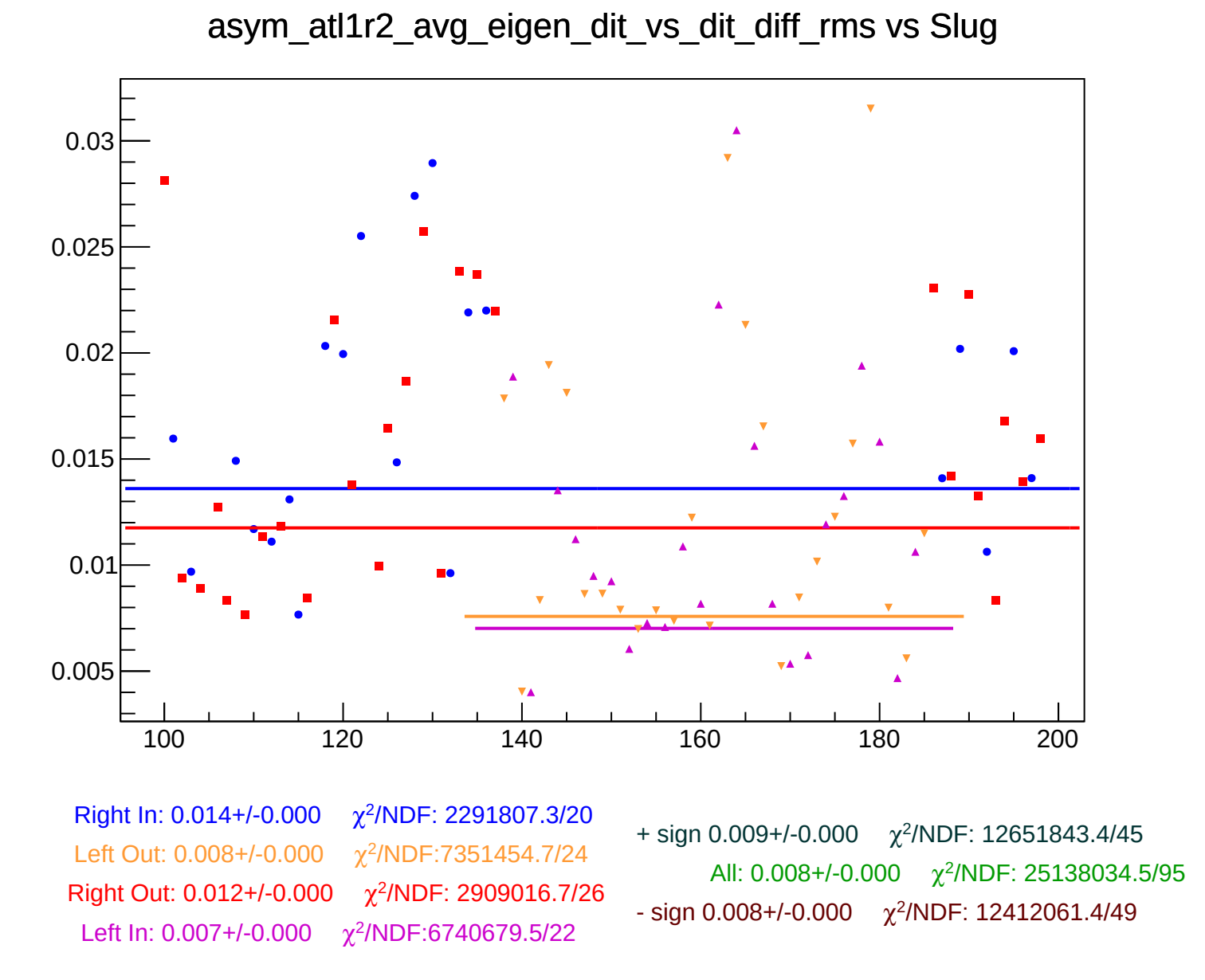
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/26

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

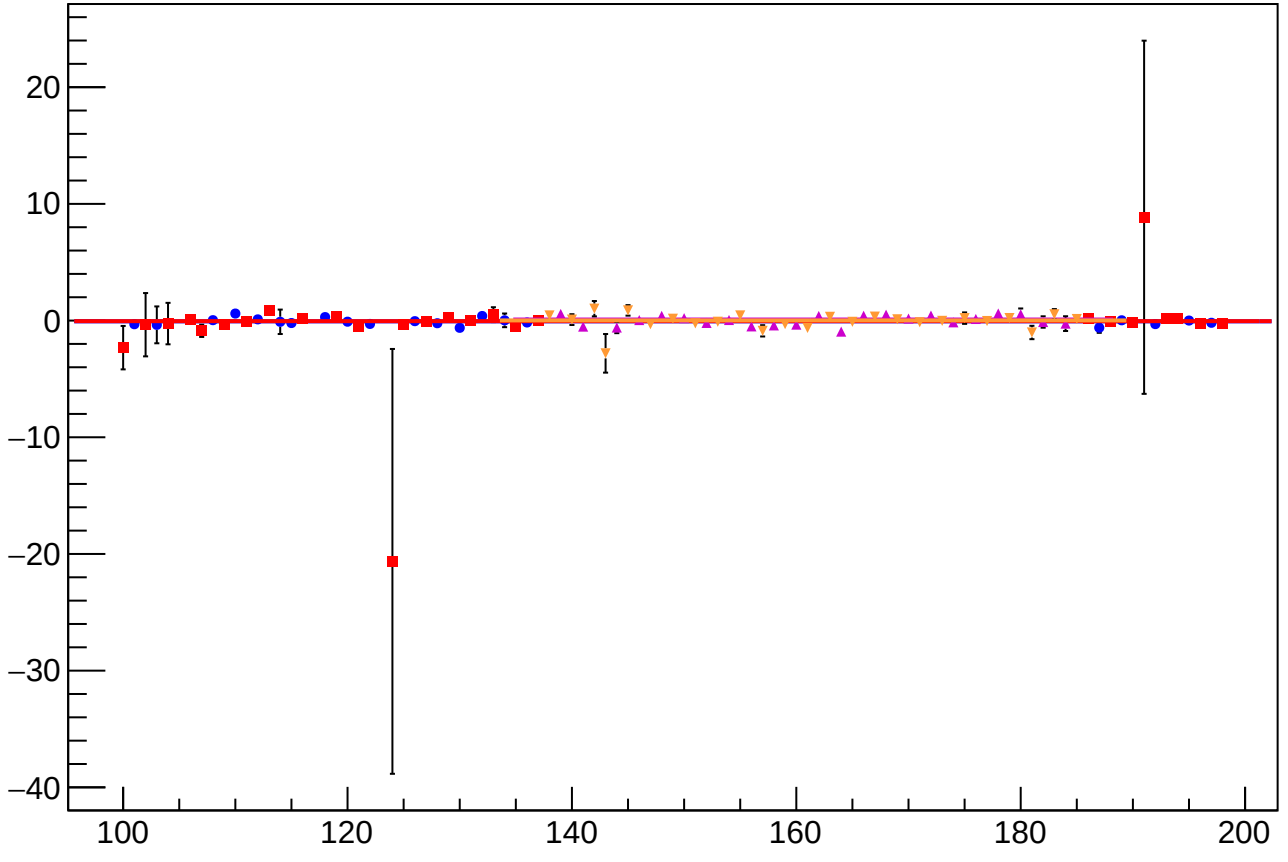
+ sign -0.000+/-0.000 χ^2/NDF: 66.2/45

All: -0.000+/-0.000 χ^2/NDF: 128.9/95

- sign -0.000+/-0.000 χ^2/NDF: 59.9/49


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.014+/-0.000 χ²/NDF: 2291807.3/20
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.012+/-0.000 χ²/NDF: 2909016.7/26
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
+ sign 0.009+/-0.000 χ²/NDF: 12651843.4/45
All: 0.008+/-0.000 χ²/NDF: 25138034.5/95
- sign 0.008+/-0.000 χ²/NDF: 12412061.4/49

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.049+/-0.055 χ^2/NDF: 27.7/26

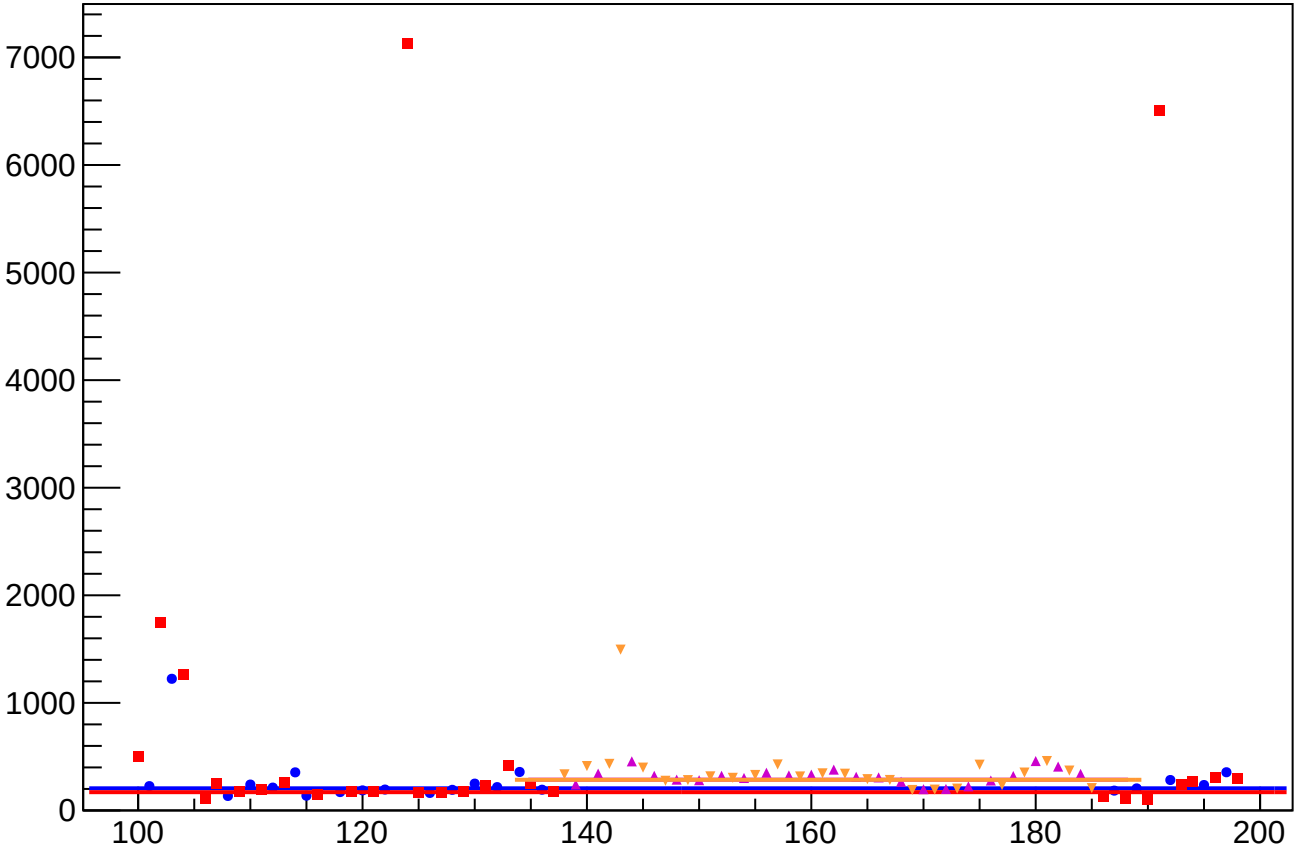
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.027+/-0.049 χ^2/NDF: 43.2/45

All: -0.010+/-0.033 χ^2/NDF: 104.5/95

- sign 0.004+/-0.044 χ^2/NDF: 61.0/49

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 205.810+/-0.048 χ^2/NDF: 1887798.6/20

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

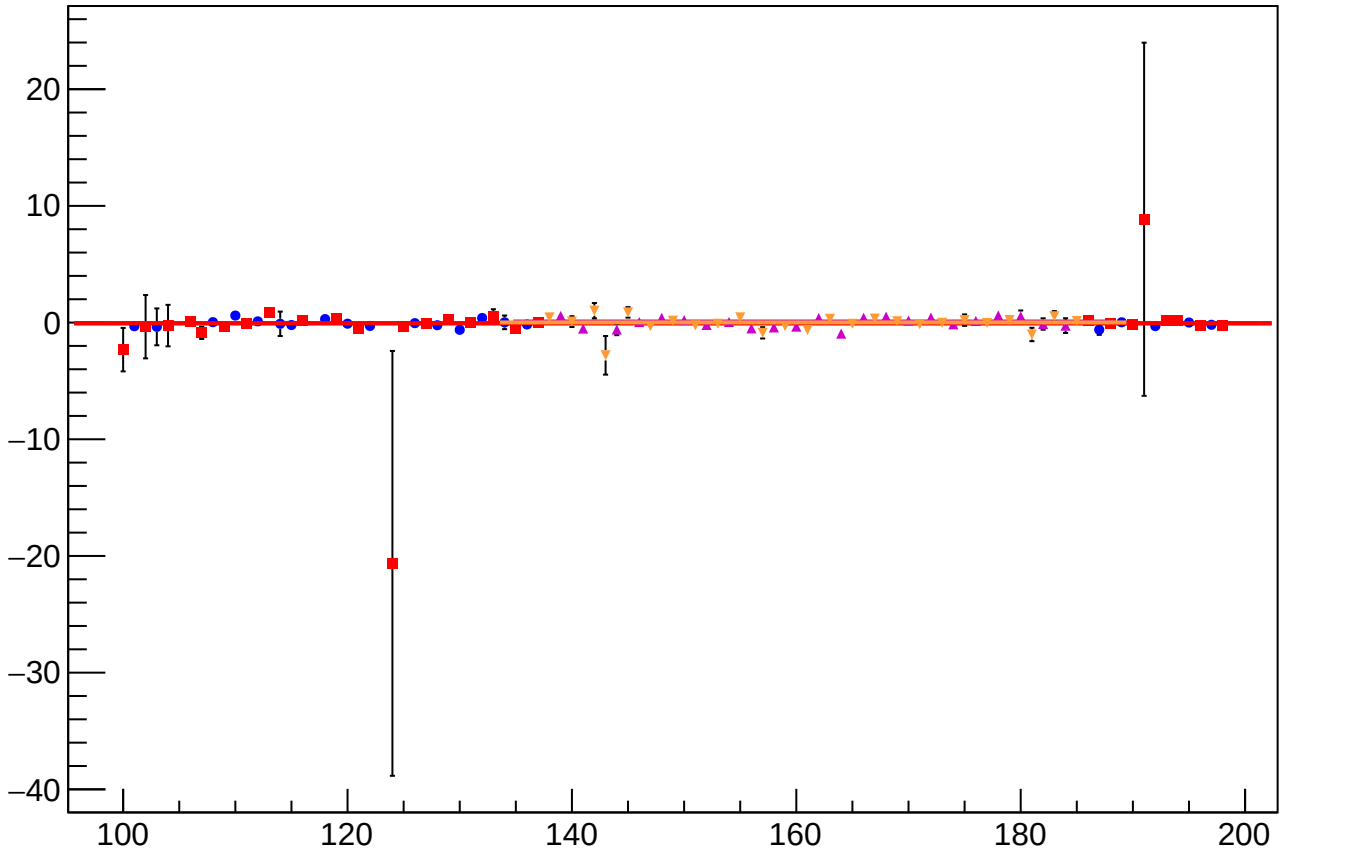
Right Out: 169.903+/-0.039 χ^2/NDF: 4686171.0/26

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.693+/-0.035 χ^2/NDF: 6606257.1/45

All: 227.763+/-0.023 χ^2/NDF: 16813596.3/95

- sign 214.323+/-0.031 χ^2/NDF: 9777523.6/49



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

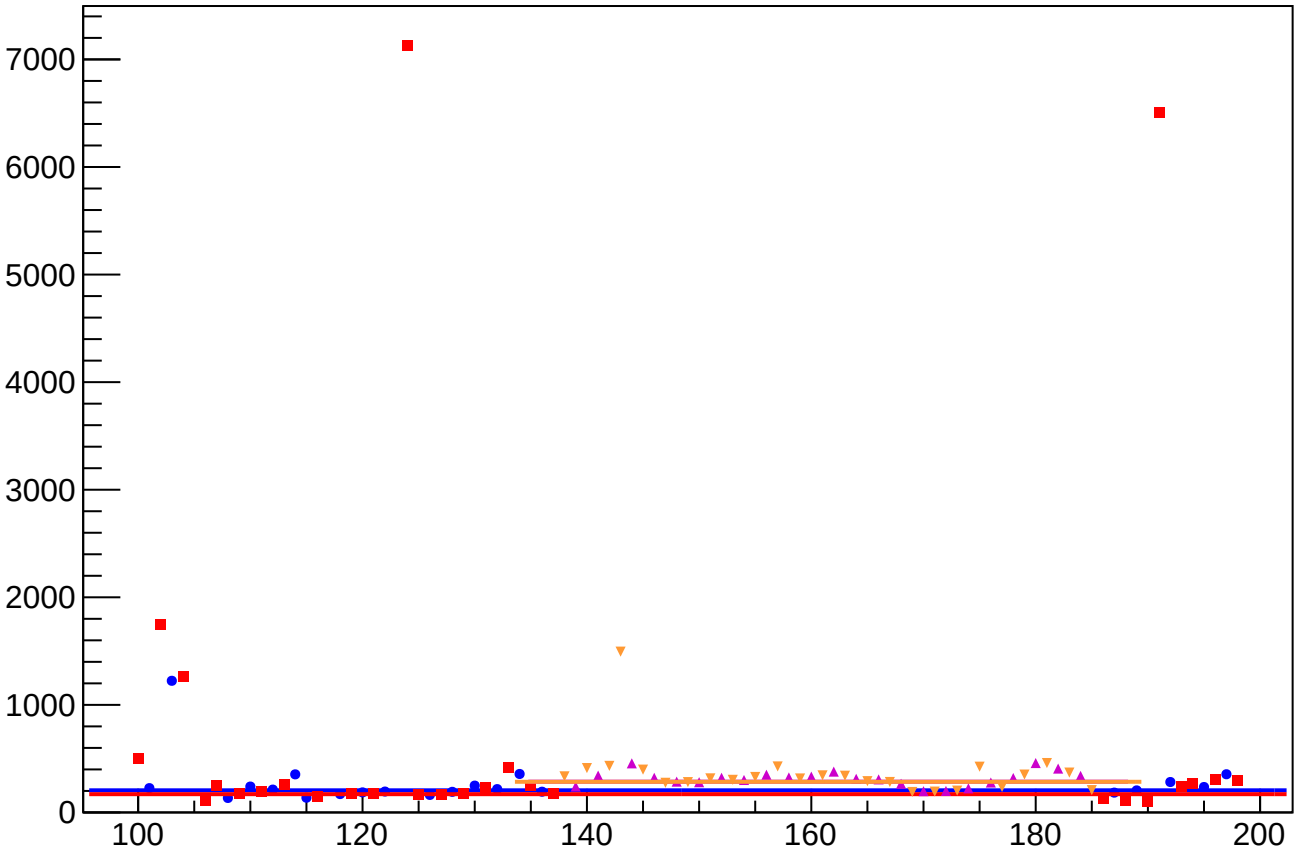
Right Out: -0.049+/-0.055 χ^2/NDF: 27.7/26

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.027+/-0.049 χ^2/NDF: 43.2/45

All: -0.010+/-0.033 χ^2/NDF: 104.5/95

- sign 0.004+/-0.044 χ^2/NDF: 61.0/49



Right In: 205.810+/-0.048 χ^2/NDF: 1887798.6/20

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 169.903+/-0.039 χ^2/NDF: 4686171.0/26

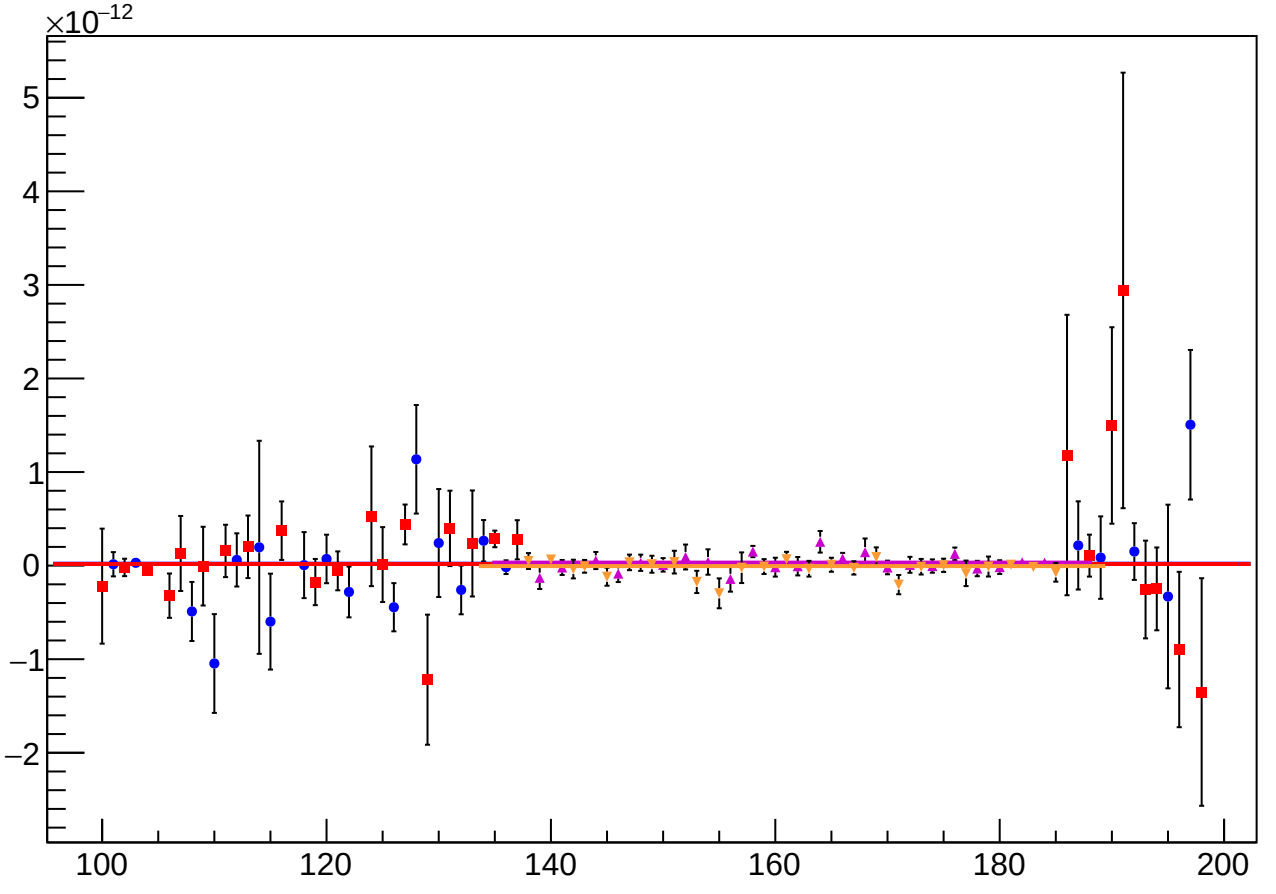
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.693+/-0.035 χ^2/NDF: 6606257.1/45

All: 227.763+/-0.023 χ^2/NDF: 16813596.3/95

- sign 214.323+/-0.031 χ^2/NDF: 9777523.6/49

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

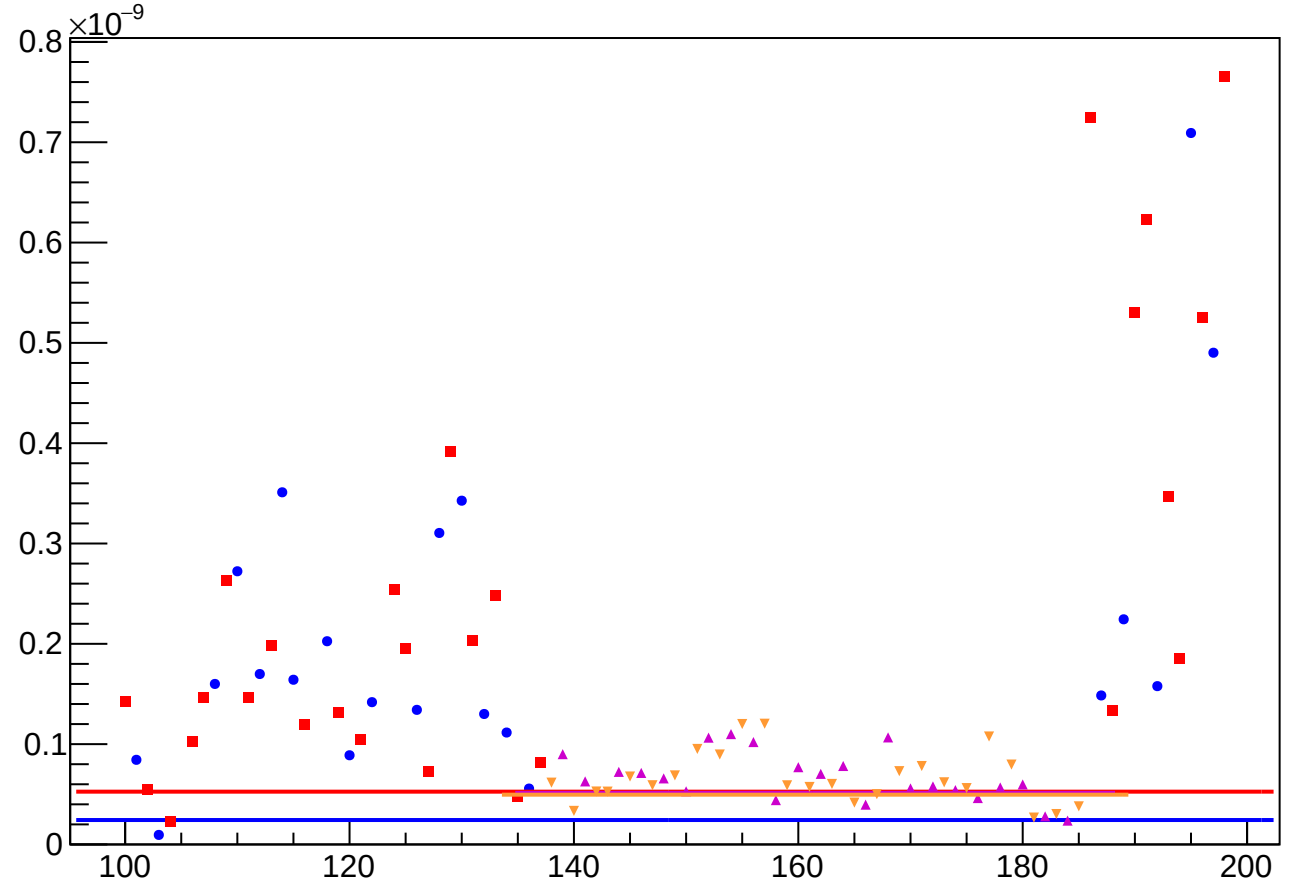
Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/26

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.9/45

All: 0.000+/-0.000 χ^2/NDF: 96.3/95

- sign 0.000+/-0.000 χ^2/NDF: 53.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 9020048.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7638584.7/26

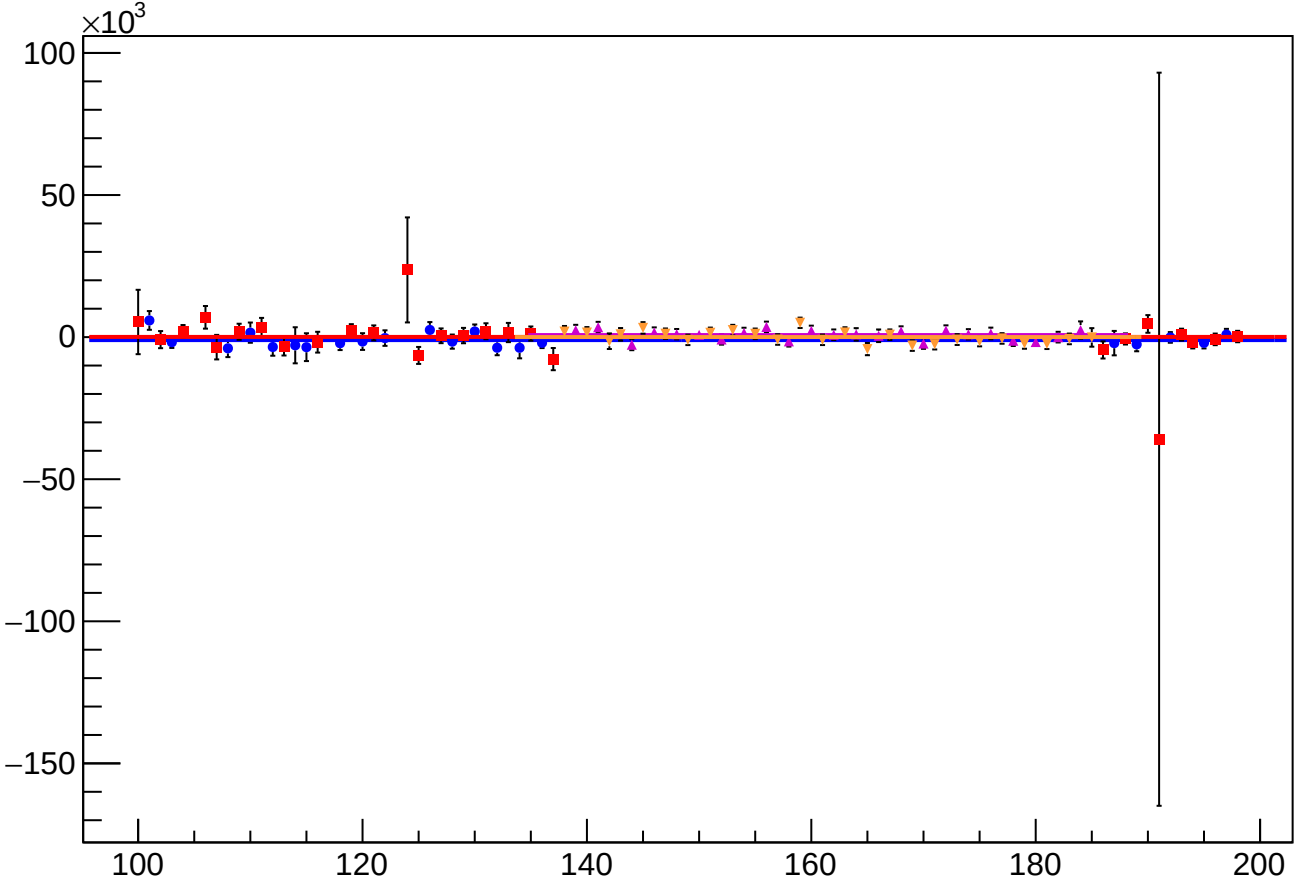
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14877030.5/45

All: 0.000+/-0.000 χ^2/NDF: 26868980.3/95

- sign 0.000+/-0.000 χ^2/NDF: 11300776.0/49

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1047.580+/-569.720 χ^2/NDF: 14.1/20

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 73.200+/-536.987 χ^2/NDF: 26.6/26

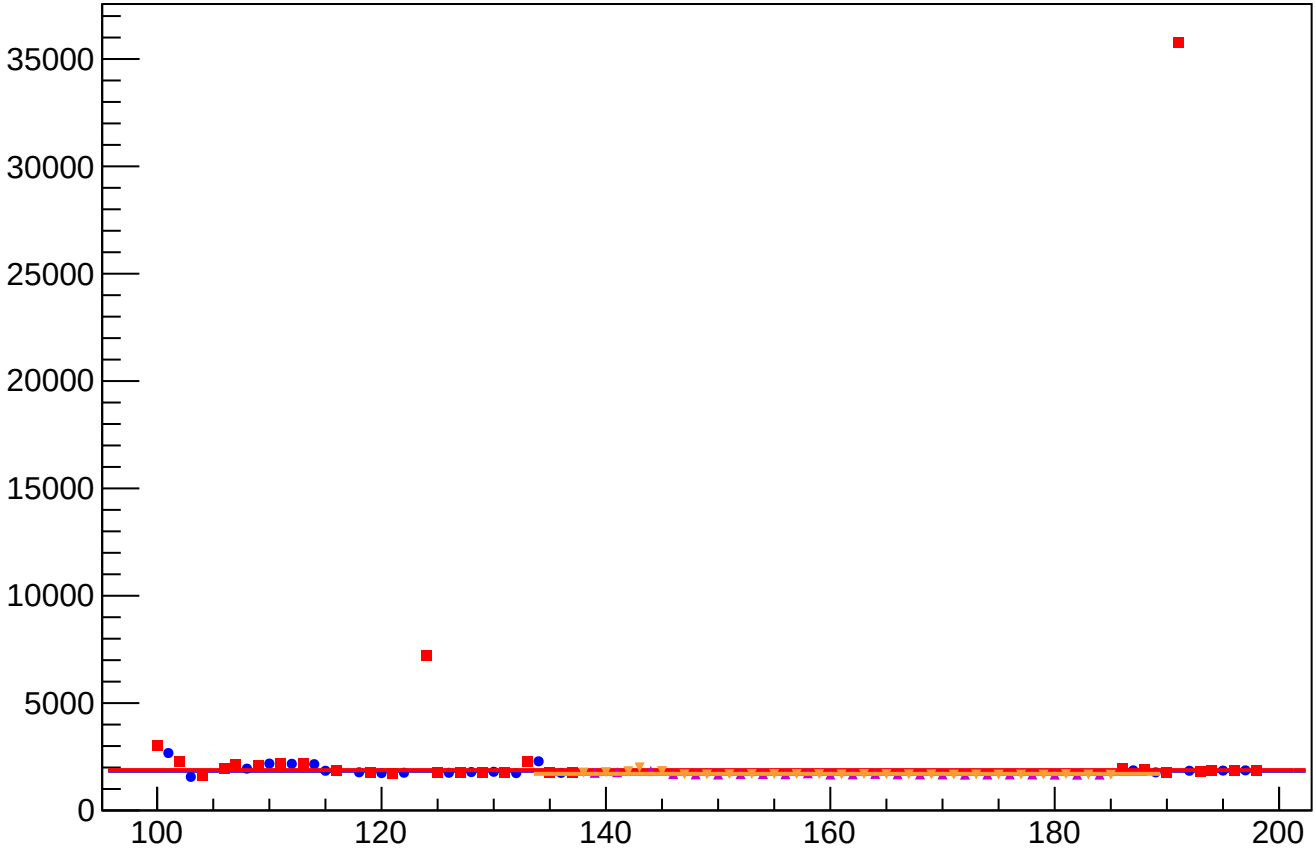
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -315.817+/-320.542 χ^2/NDF: 46.0/45

All: 89.860+/-226.090 χ^2/NDF: 95.7/95

- sign 491.502+/-318.944 χ^2/NDF: 46.6/49

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1848.702+/-0.403 χ^2/NDF: 262136.3/20

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1878.601+/-0.379 χ^2/NDF: 511011.7/26

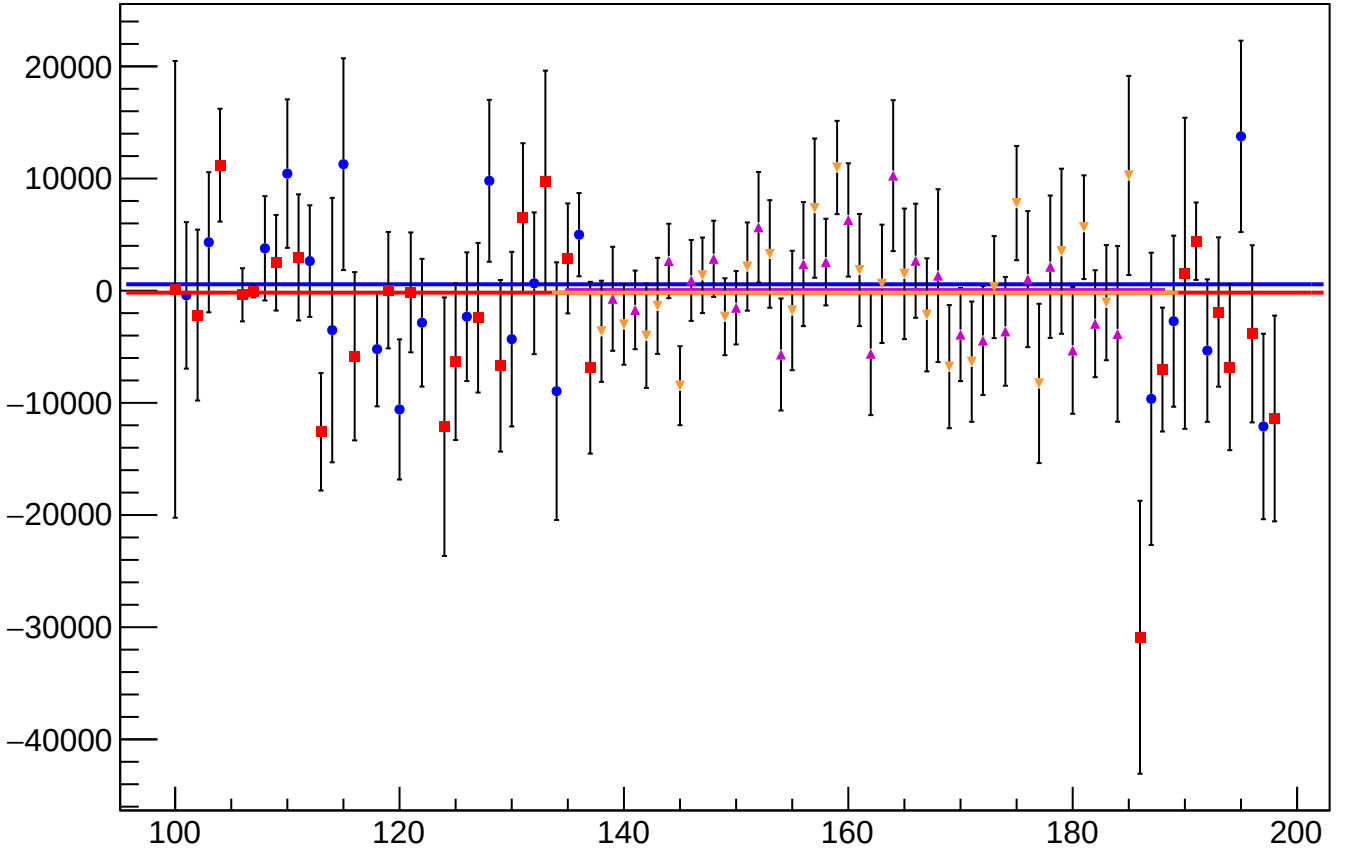
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1750.923+/-0.227 χ^2/NDF: 408262.1/45

All: 1756.245+/-0.160 χ^2/NDF: 1088980.7/95

- sign 1761.509+/-0.225 χ^2/NDF: 679622.0/49

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 572.146+/-1387.541 χ^2/NDF: 20.3/20

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -172.567+/-493.392 χ^2/NDF: 30.3/26

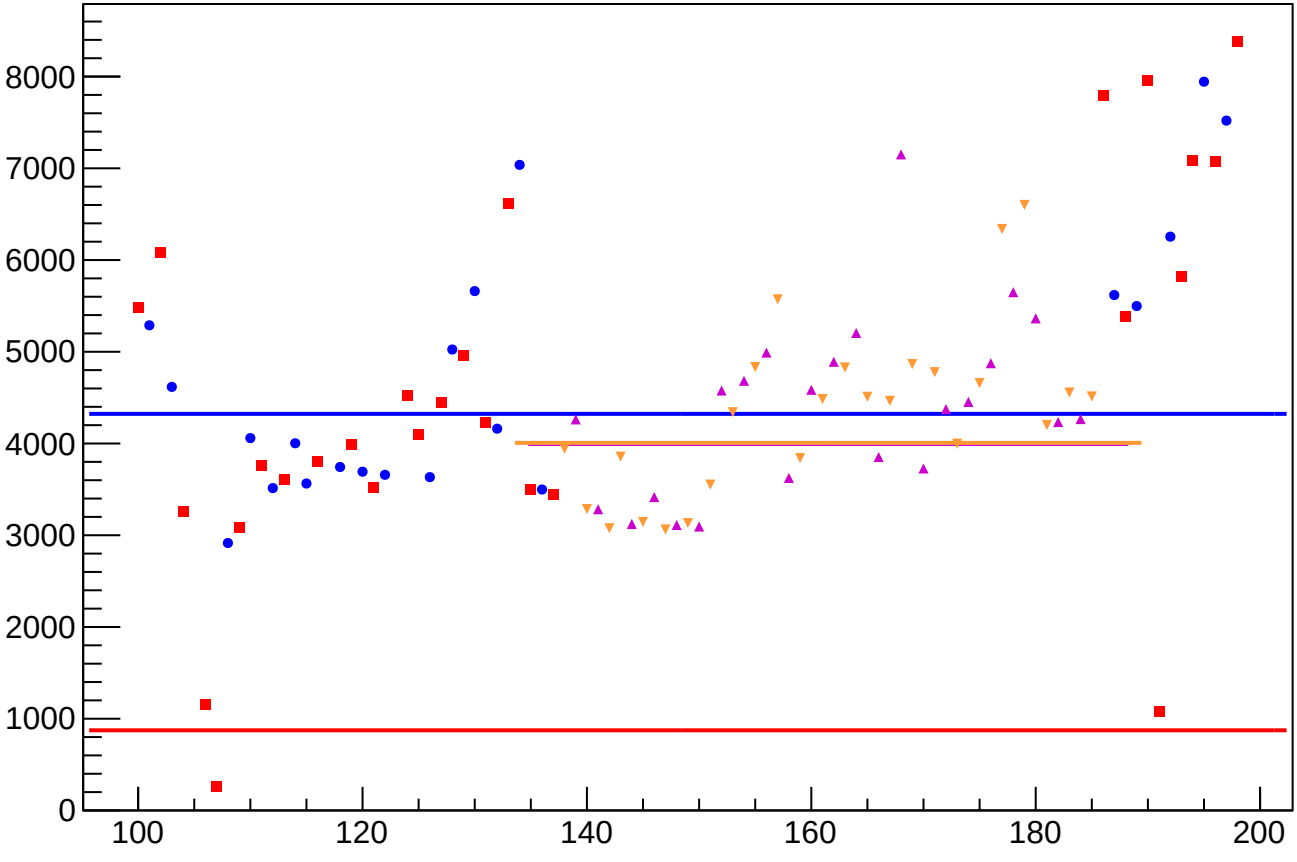
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 57.832+/-775.466 χ^2/NDF: 48.4/45

All: -80.272+/-381.689 χ^2/NDF: 93.1/95

- sign -124.428+/-438.481 χ^2/NDF: 44.6/49

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4323.266+/-0.981 χ^2/NDF: 1605294.2/20

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 873.667+/-0.349 χ^2/NDF: 18437769.4/26

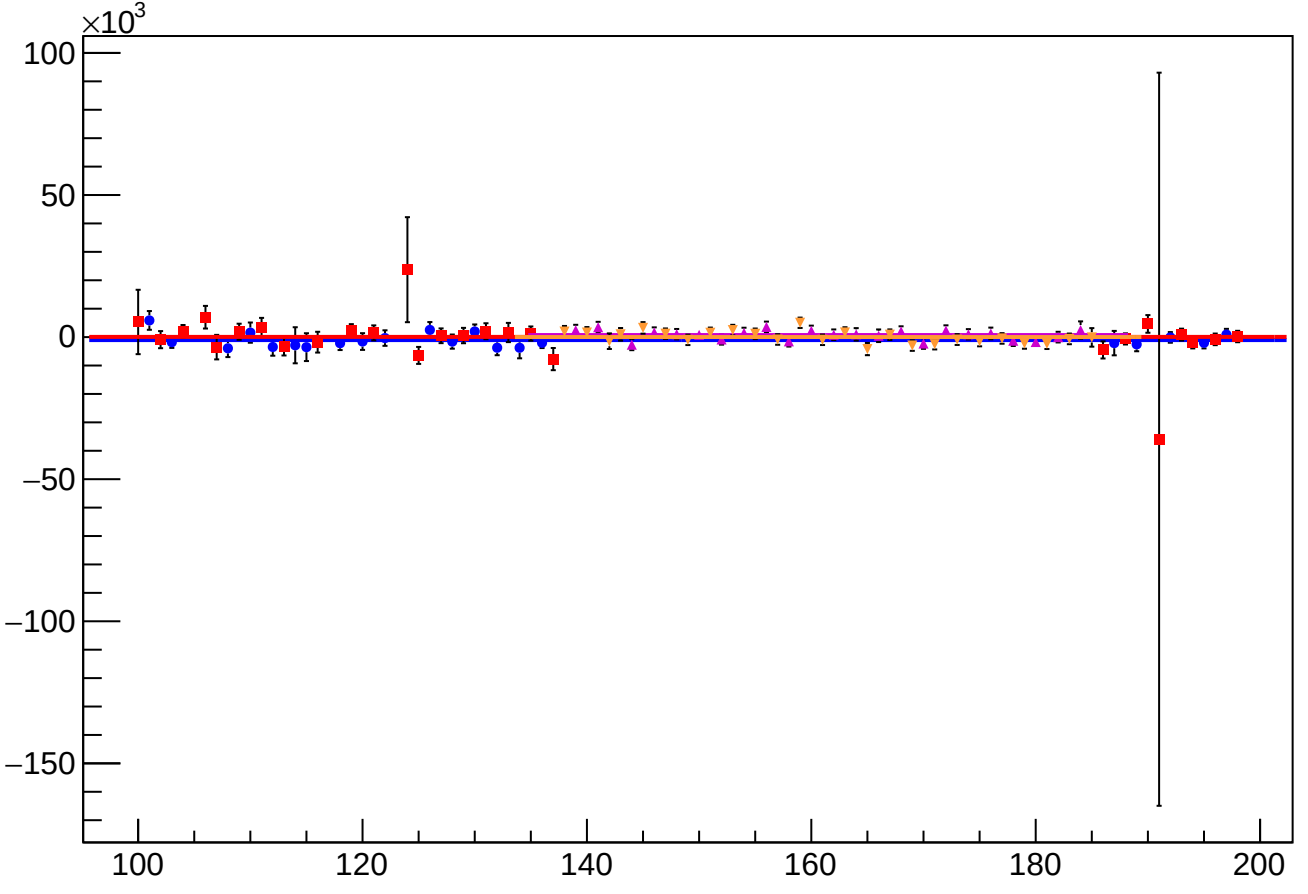
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4105.783+/-0.548 χ^2/NDF: 3180424.6/45

All: 2153.848+/-0.270 χ^2/NDF: 56704318.1/9

- sign 1529.766+/-0.310 χ^2/NDF: 36800732.4/49

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1047.336+/-569.720 χ^2/NDF: 14.1/20

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 73.398+/-536.988 χ^2/NDF: 26.6/26

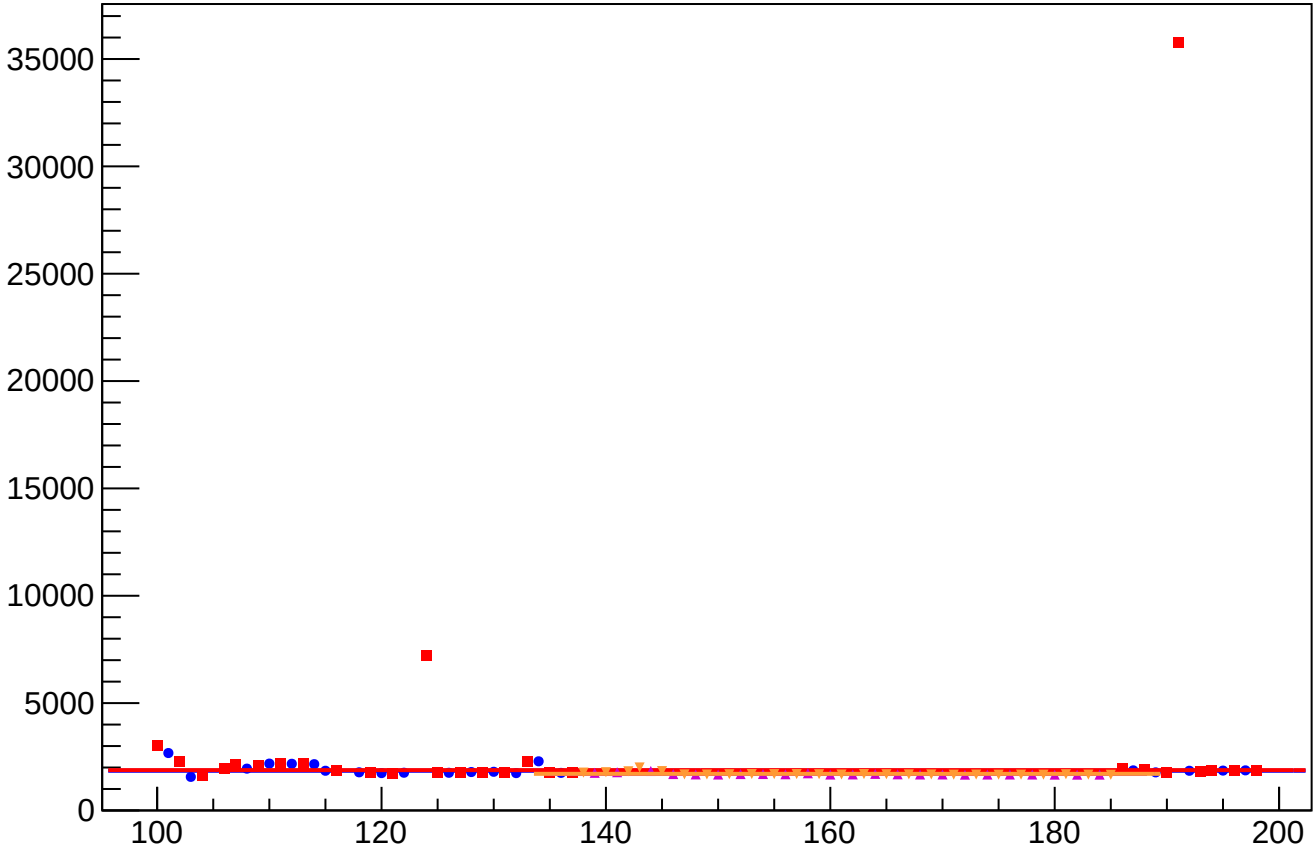
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -315.691+/-320.542 χ^2/NDF: 46.0/45

All: 89.918+/-226.090 χ^2/NDF: 95.8/95

- sign 491.493+/-318.944 χ^2/NDF: 46.6/49

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1848.702+/-0.403 χ^2/NDF: 262135.4/20

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1878.864+/-0.379 χ^2/NDF: 511271.9/26

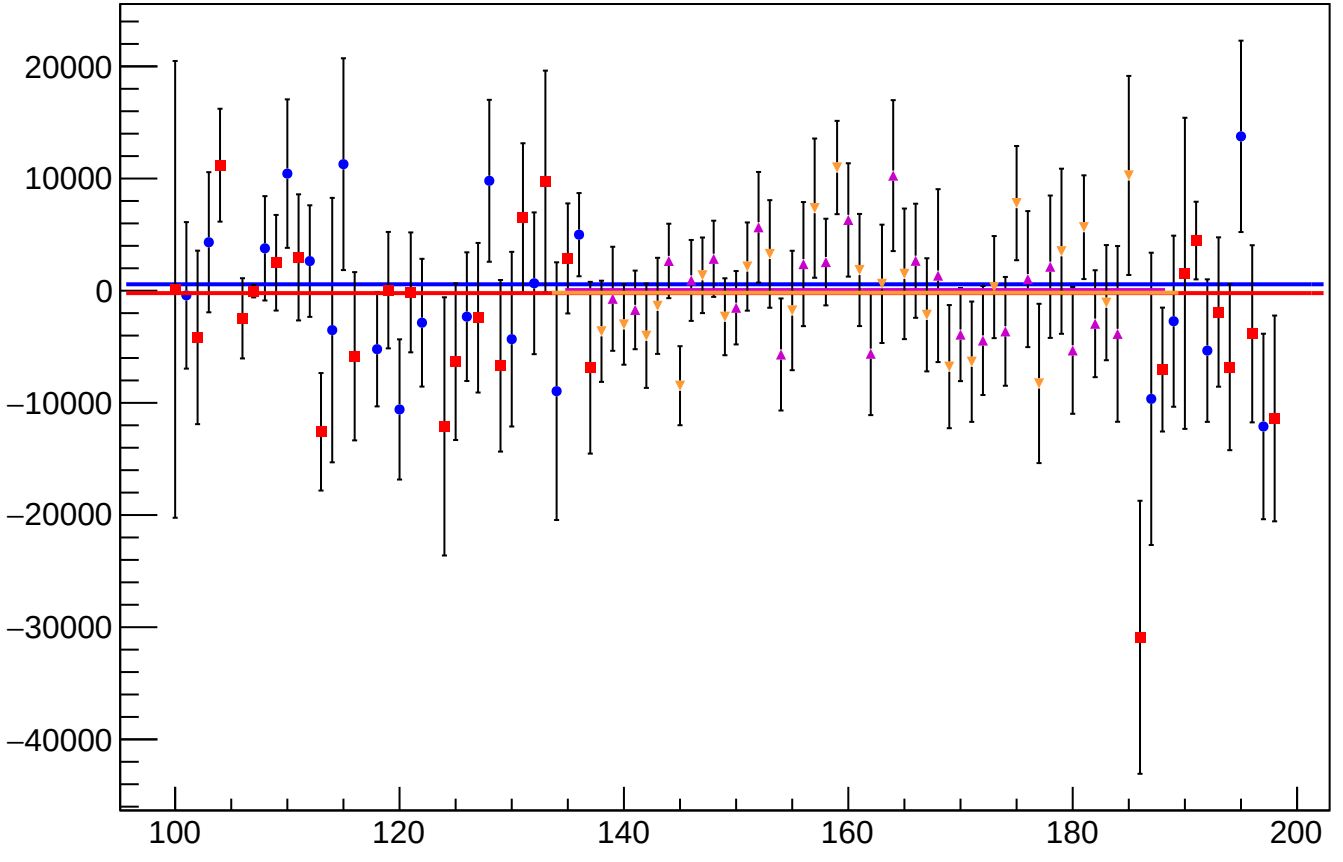
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1750.923+/-0.227 χ^2/NDF: 408261.6/45

All: 1756.286+/-0.160 χ^2/NDF: 1089660.4/95

- sign 1761.591+/-0.225 χ^2/NDF: 680285.3/49

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 572.119+/-1387.546 χ^2/NDF: 20.3/20

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -215.584+/-499.544 χ^2/NDF: 30.9/26

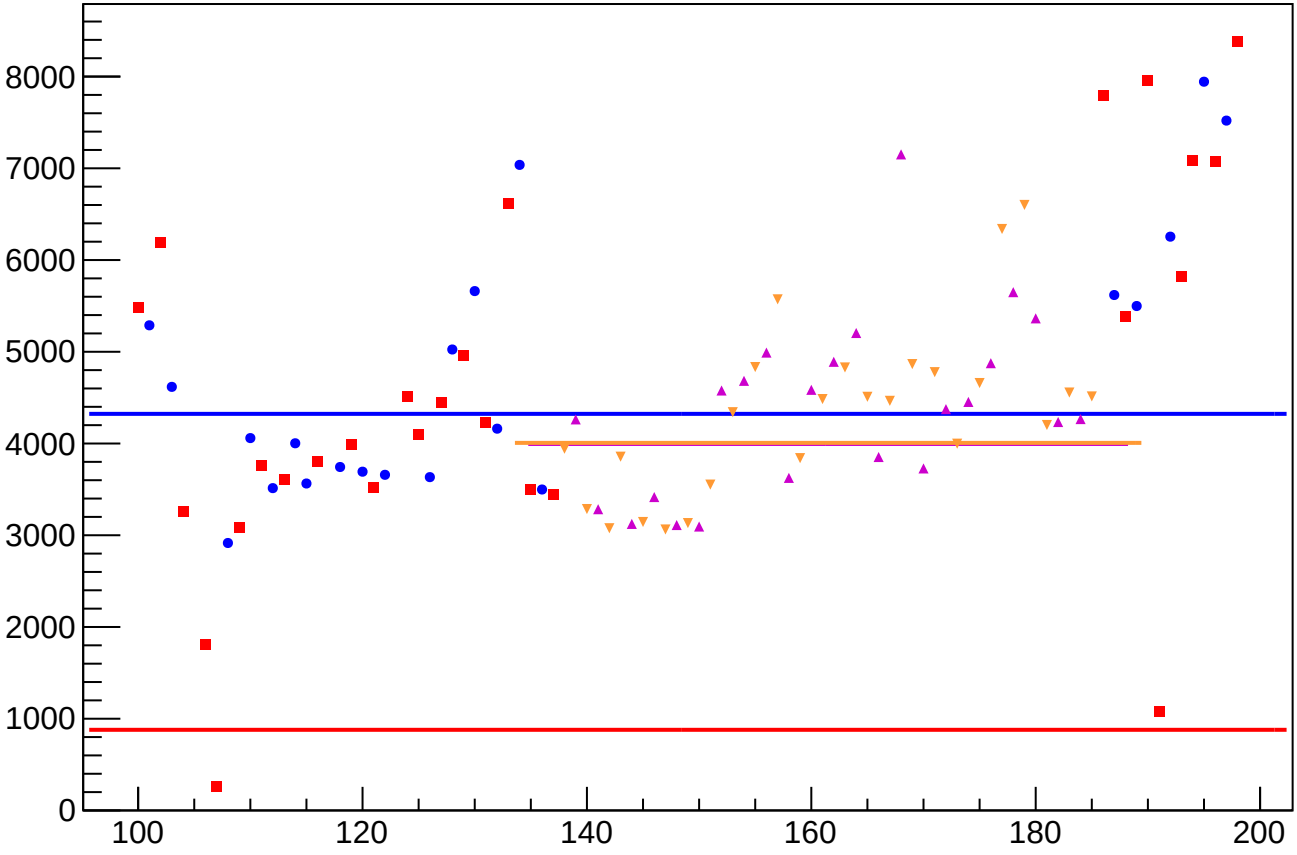
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 57.838+/-775.466 χ^2/NDF: 48.4/45

All: -104.397+/-384.515 χ^2/NDF: 93.7/95

- sign -157.290+/-442.782 χ^2/NDF: 45.2/49

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4323.276+/-0.981 χ^2/NDF: 1605314.9/20

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 879.133+/-0.353 χ^2/NDF: 18557434.2/26

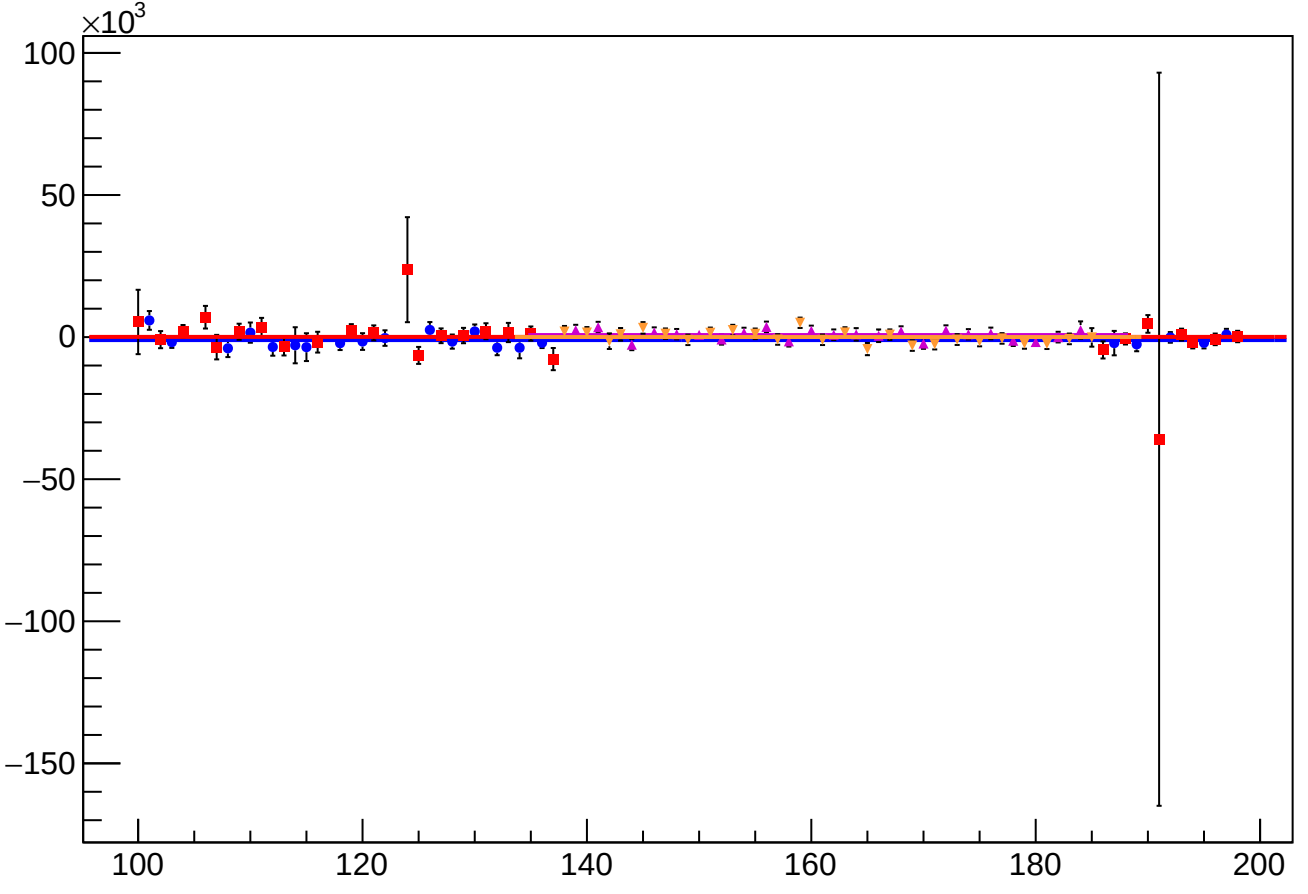
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4105.780+/-0.548 χ^2/NDF: 3180474.0/45

All: 2176.119+/-0.272 χ^2/NDF: 56375760.3/9

- sign 1546.995+/-0.313 χ^2/NDF: 36773541.5/49

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1047.336+/-569.720 χ^2/NDF: 14.1/20

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 73.398+/-536.988 χ^2/NDF: 26.6/26

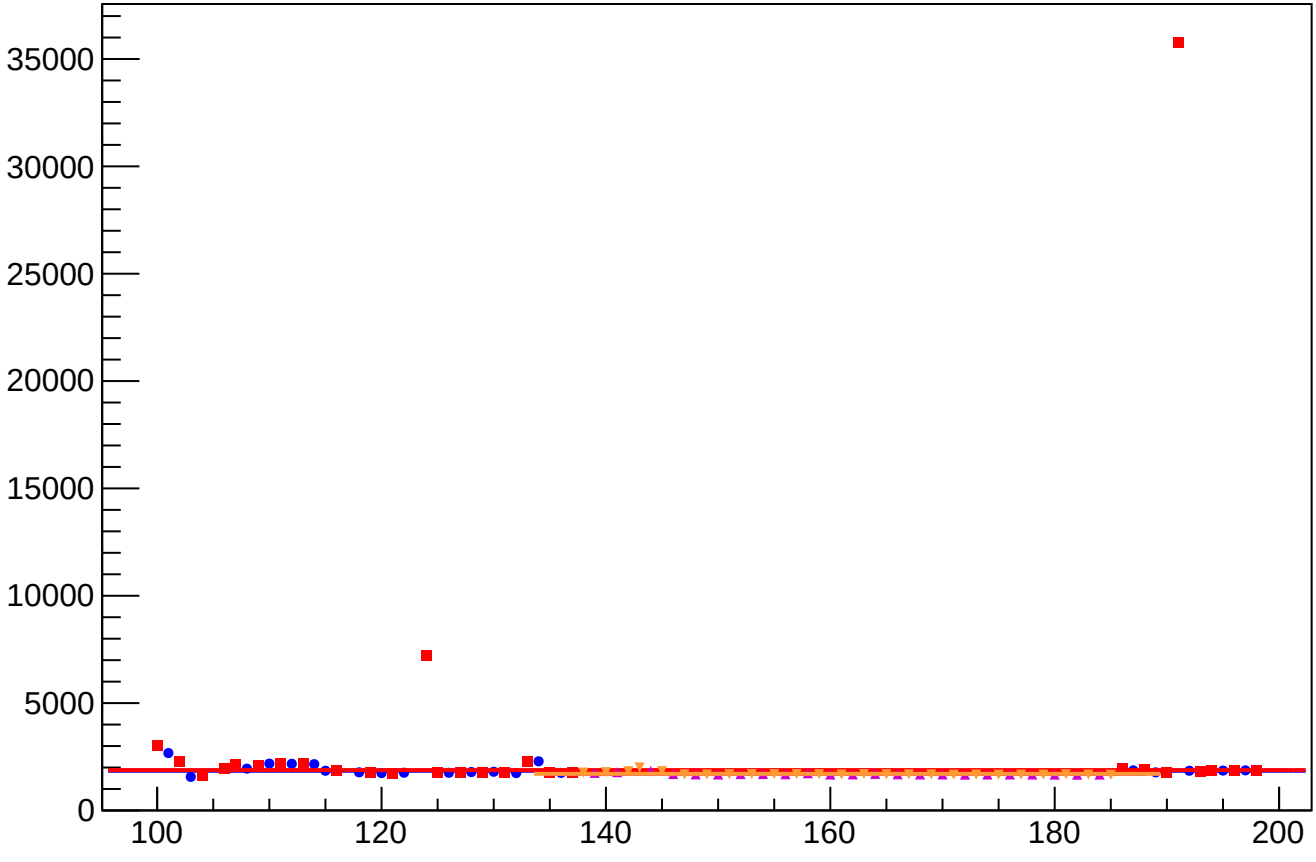
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

\+ sign -315.691+/-320.542 χ^2/NDF: 46.0/45

All: 89.918+/-226.090 χ^2/NDF: 95.8/95

\- sign 491.493+/-318.944 χ^2/NDF: 46.6/49

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1848.702+/-0.403 χ^2/NDF: 262135.4/20

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1878.864+/-0.379 χ^2/NDF: 511271.9/26

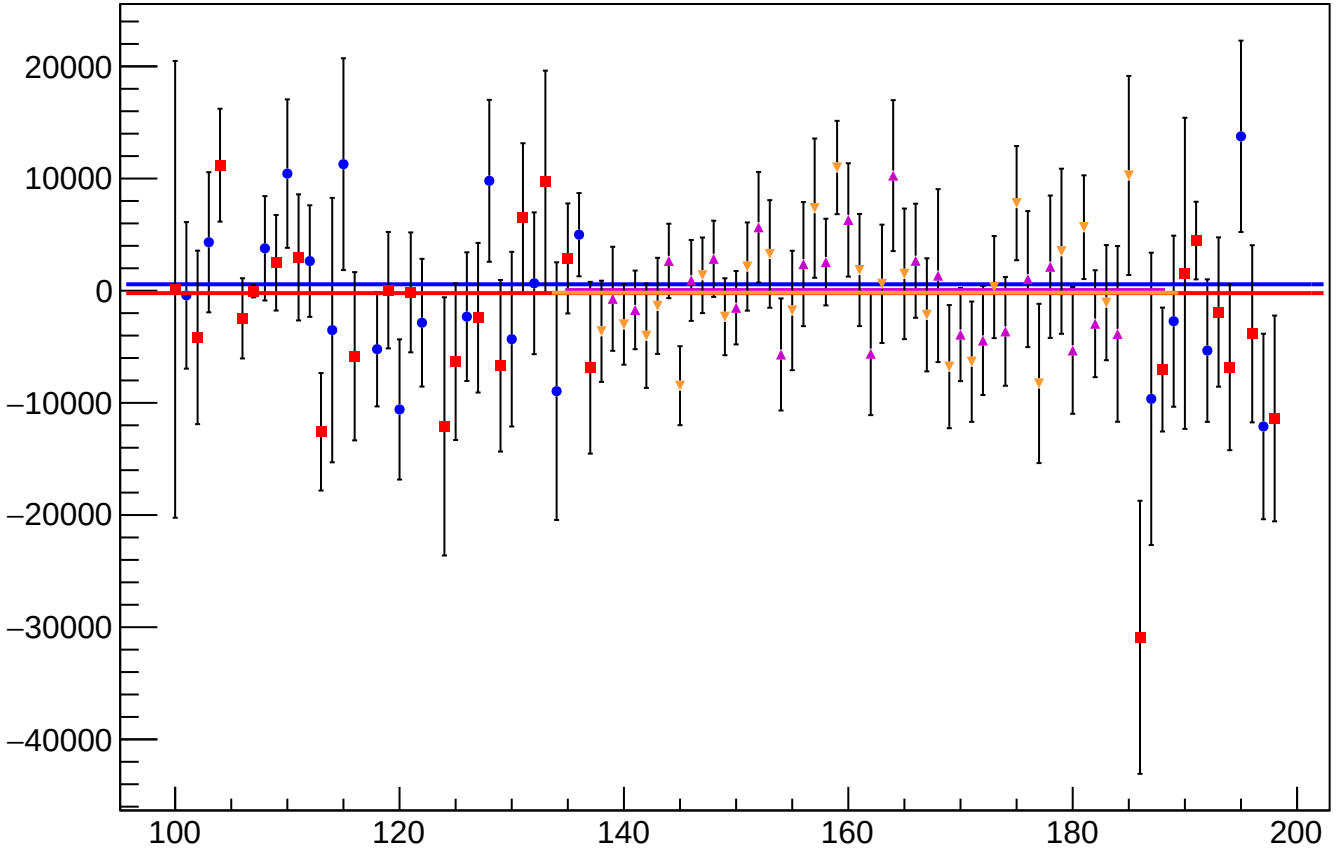
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1750.923+/-0.227 χ^2/NDF: 408261.6/45

All: 1756.286+/-0.160 χ^2/NDF: 1089660.4/95

- sign 1761.591+/-0.225 χ^2/NDF: 680285.3/49

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 572.119+/-1387.546 χ^2/NDF: 20.3/20

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -215.584+/-499.544 χ^2/NDF: 30.9/26

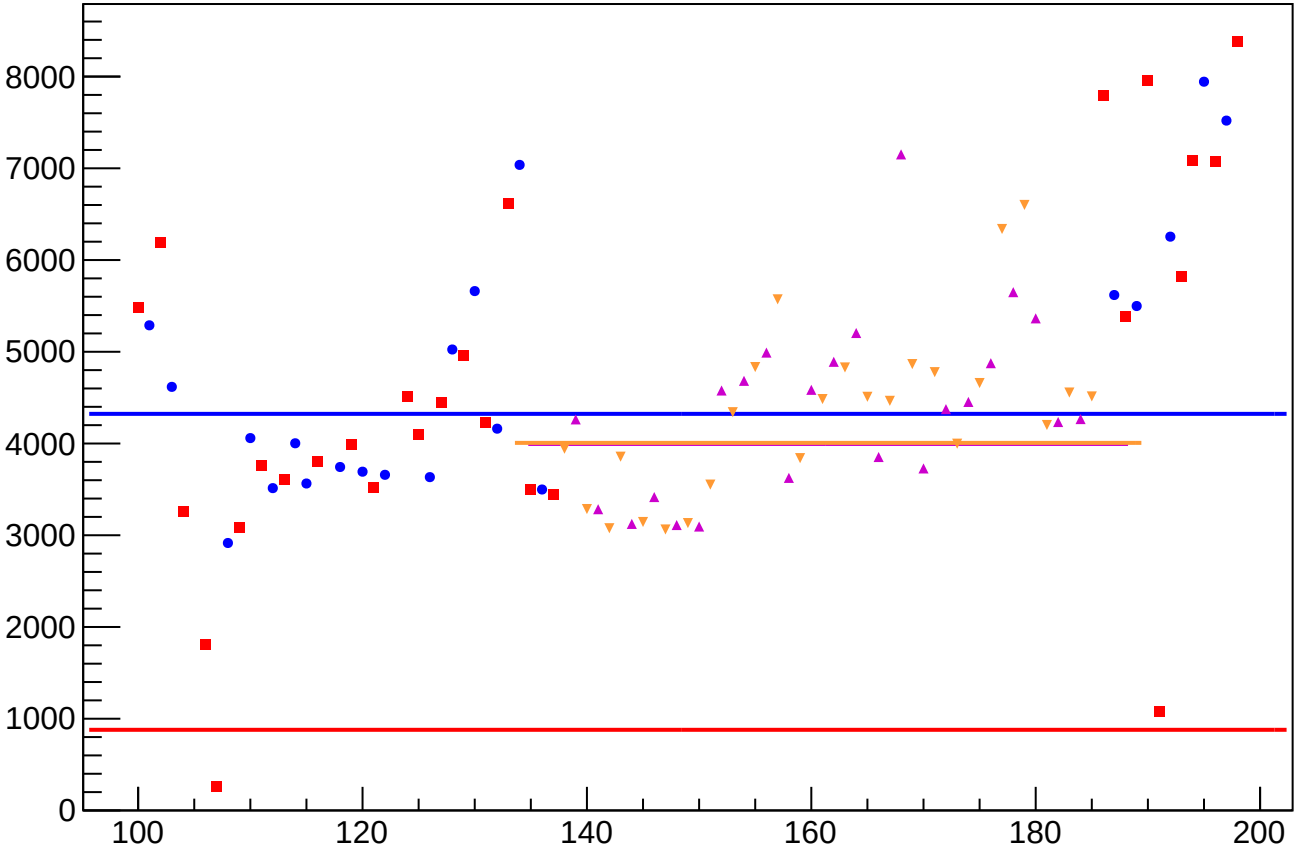
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 57.838+/-775.466 χ^2/NDF: 48.4/45

All: -104.397+/-384.515 χ^2/NDF: 93.7/95

- sign -157.290+/-442.782 χ^2/NDF: 45.2/49

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4323.276+/-0.981 χ^2/NDF: 1605314.9/20

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 879.133+/-0.353 χ^2/NDF: 18557434.2/26

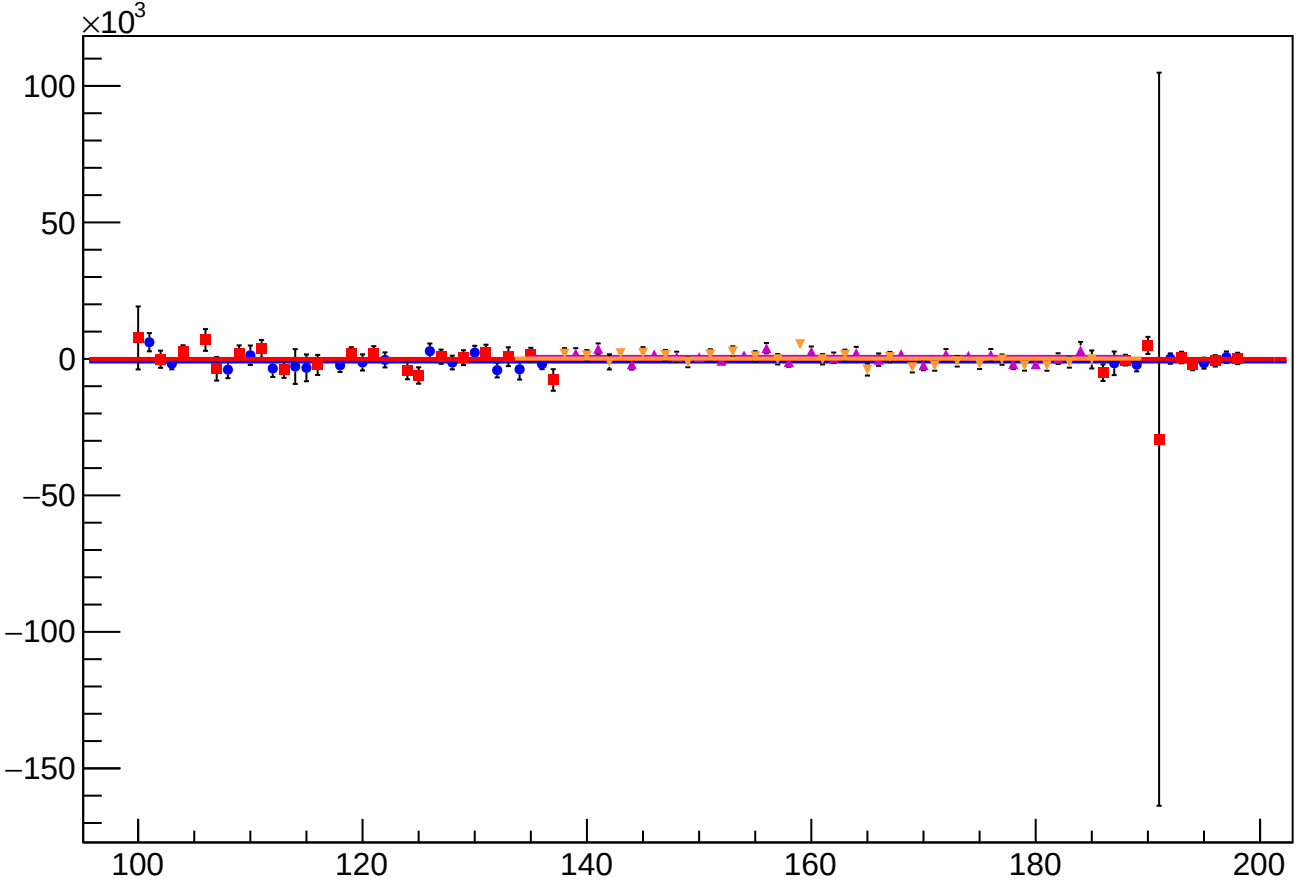
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4105.780+/-0.548 χ^2/NDF: 3180474.0/45

All: 2176.119+/-0.272 χ^2/NDF: 56375760.3/9

- sign 1546.995+/-0.313 χ^2/NDF: 36773541.5/49

dit_asym_atl1r2_dd_mean vs Slug



Right In: -952.742+/-576.020 χ^2/NDF: 14.4/20

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -7.450+/-537.501 χ^2/NDF: 28.0/26

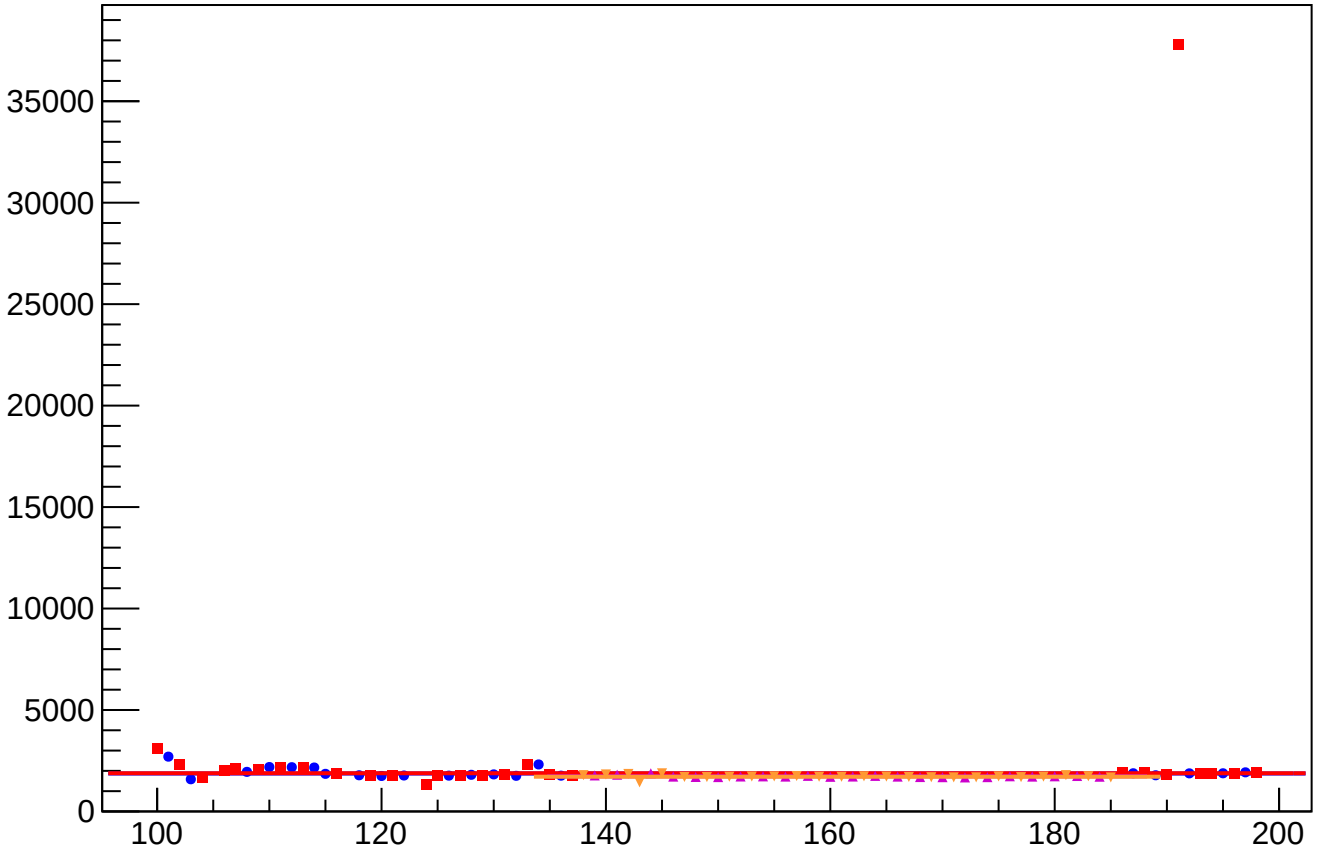
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -216.572+/-322.634 χ^2/NDF: 46.5/45

All: 126.690+/-228.277 χ^2/NDF: 97.0/95

- sign 470.795+/-323.030 χ^2/NDF: 48.2/49

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1868.920+/-0.407 χ^2/NDF: 260442.1/20

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1883.248+/-0.380 χ^2/NDF: 409076.4/26

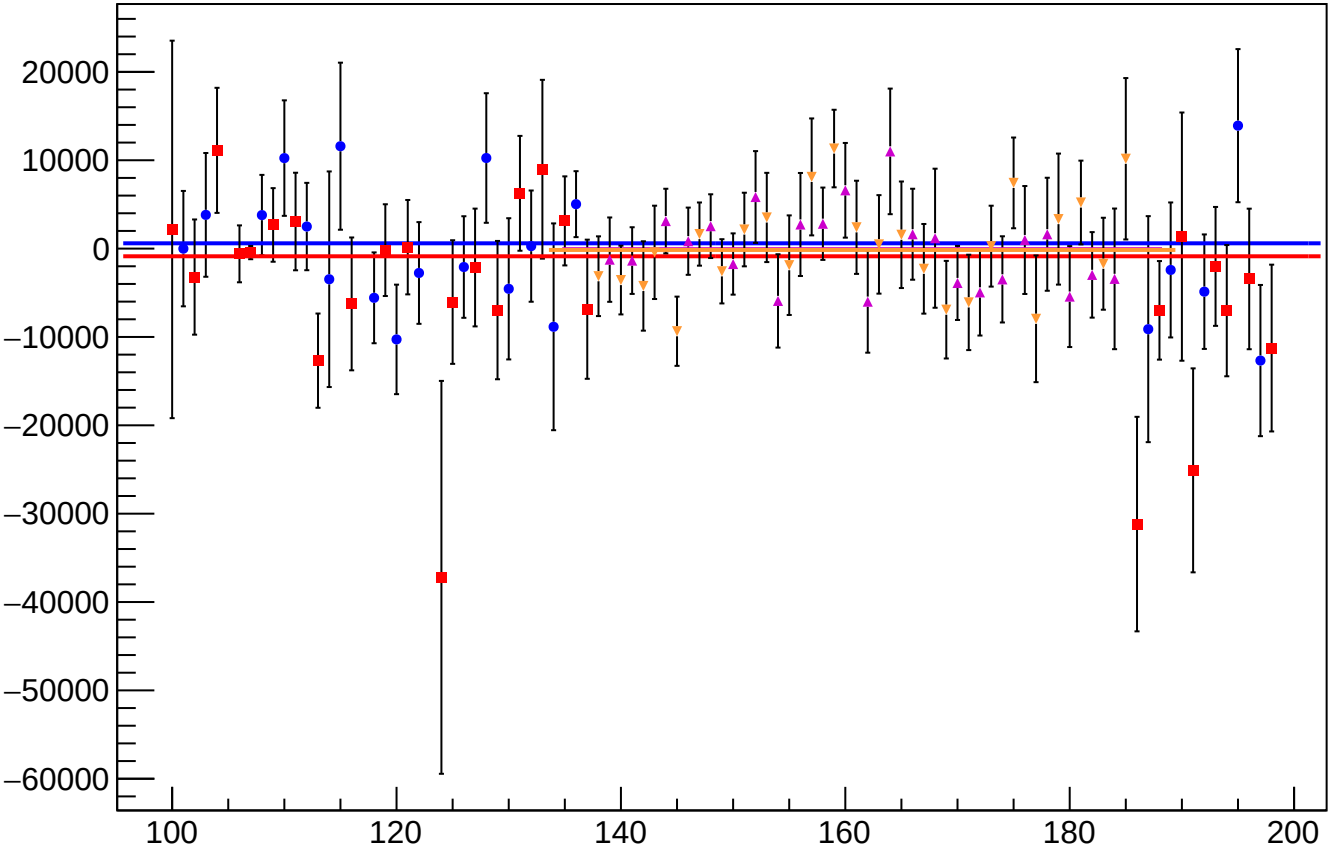
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1761.442+/-0.228 χ^2/NDF: 456300.7/45

All: 1773.510+/-0.161 χ^2/NDF: 997514.3/95

- sign 1785.603+/-0.228 χ^2/NDF: 535611.3/49

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 599.978+/-1398.456 χ^2/NDF: 20.0/20

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -868.836+/-642.184 χ^2/NDF: 31.2/26

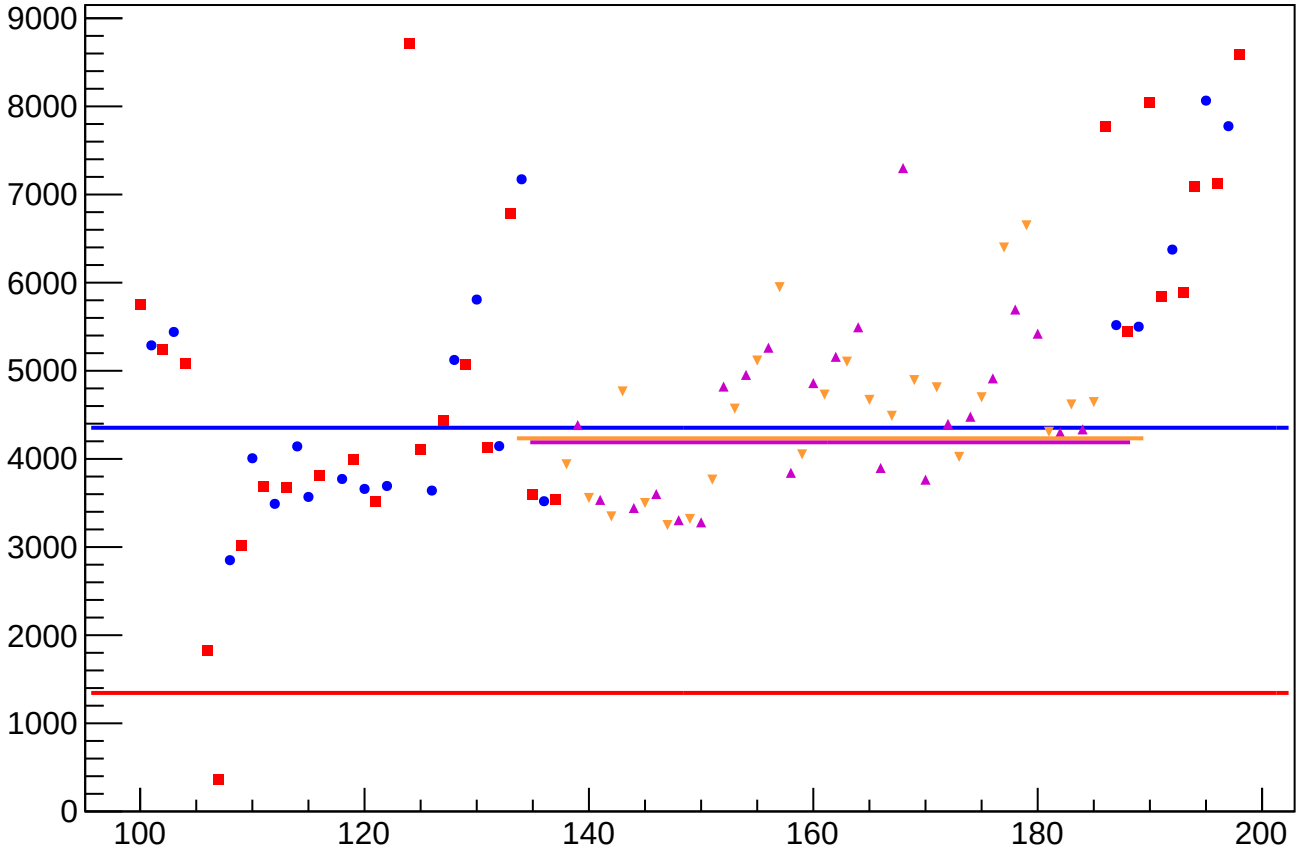
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 98.573+/-805.286 χ^2/NDF: 47.1/45

All: -406.697+/-448.712 χ^2/NDF: 93.3/95

- sign -634.213+/-540.374 χ^2/NDF: 45.6/49

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4353.626+/-0.989 χ^2/NDF: 1745390.1/20

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1344.929+/-0.454 χ^2/NDF: 16635012.0/26

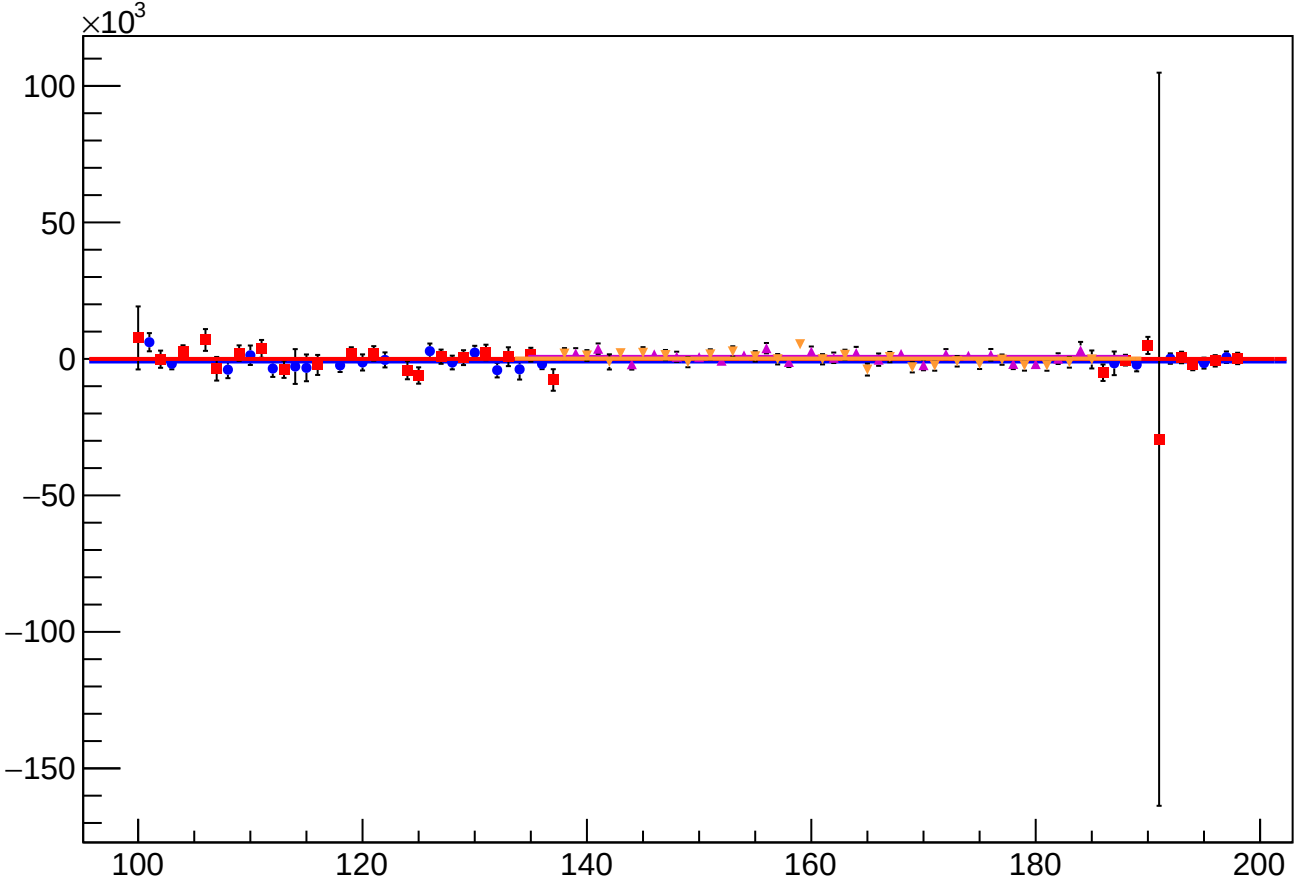
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4273.603+/-0.569 χ^2/NDF: 3039970.8/45

All: 2826.709+/-0.317 χ^2/NDF: 41834630.5/9

- sign 2175.194+/-0.382 χ^2/NDF: 29430767.4/49

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -952.743+/-576.019 χ^2/NDF: 14.4/20

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -7.448+/-537.501 χ^2/NDF: 28.0/26

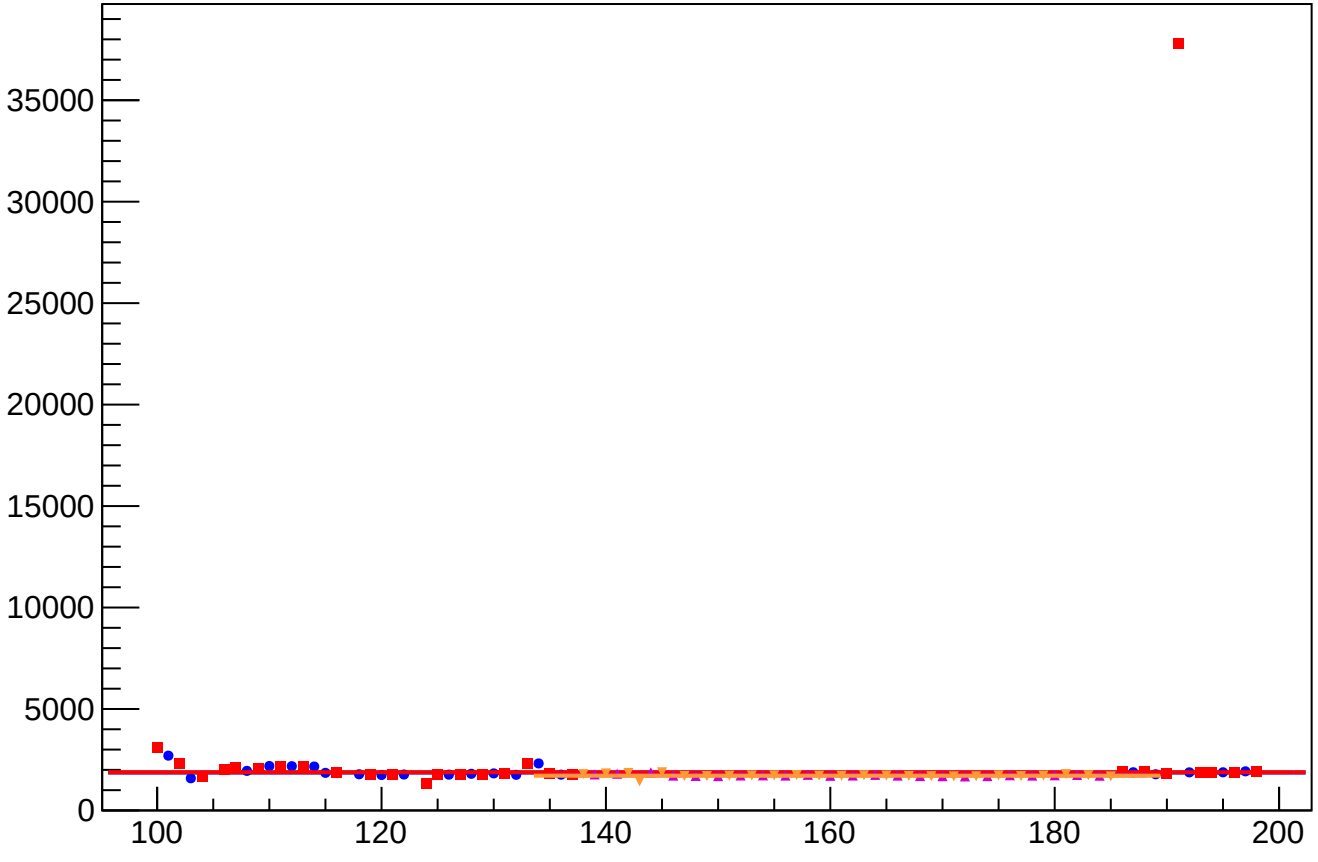
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -216.571+/-322.634 χ^2/NDF: 46.5/45

All: 126.691+/-228.277 χ^2/NDF: 97.0/95

- sign 470.795+/-323.030 χ^2/NDF: 48.2/49

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1868.919+/-0.407 χ^2/NDF: 260442.0/20

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

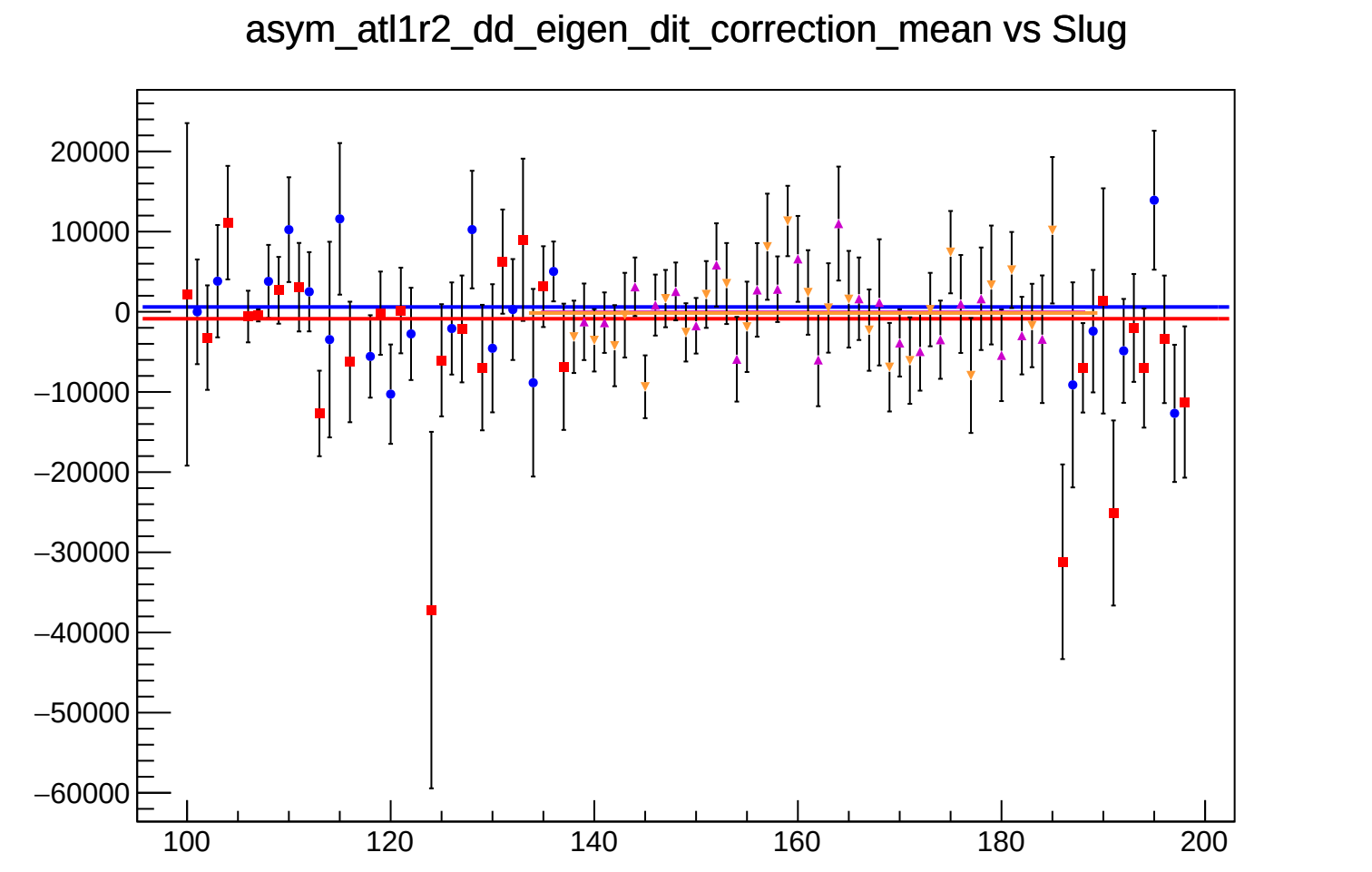
Right Out: 1883.248+/-0.380 χ^2/NDF: 409076.8/26

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

\+ sign 1761.442+/-0.228 χ^2/NDF: 456298.6/45

All: 1773.510+/-0.161 χ^2/NDF: 997512.0/95

\- sign 1785.604+/-0.228 χ^2/NDF: 535611.0/49



Right In: 599.962+/-1398.454 χ^2/NDF: 20.0/20

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -868.855+/-642.194 χ^2/NDF: 31.2/26

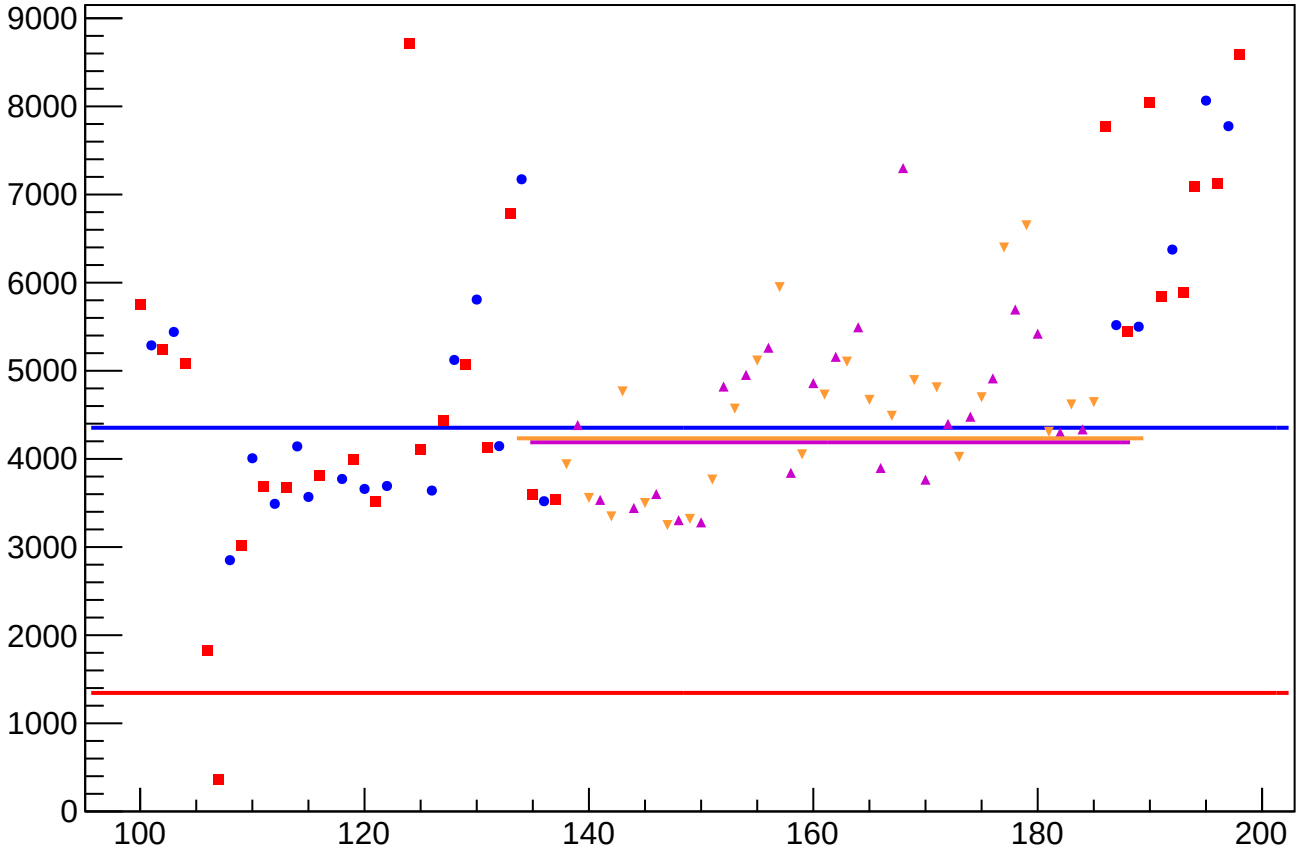
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 98.569+/-805.287 χ^2/NDF: 47.1/45

All: -406.701+/-448.715 χ^2/NDF: 93.3/95

- sign -634.222+/-540.380 χ^2/NDF: 45.6/49

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4353.620+/-0.989 χ^2/NDF: 1745395.2/20

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1344.966+/-0.454 χ^2/NDF: 16634796.9/26

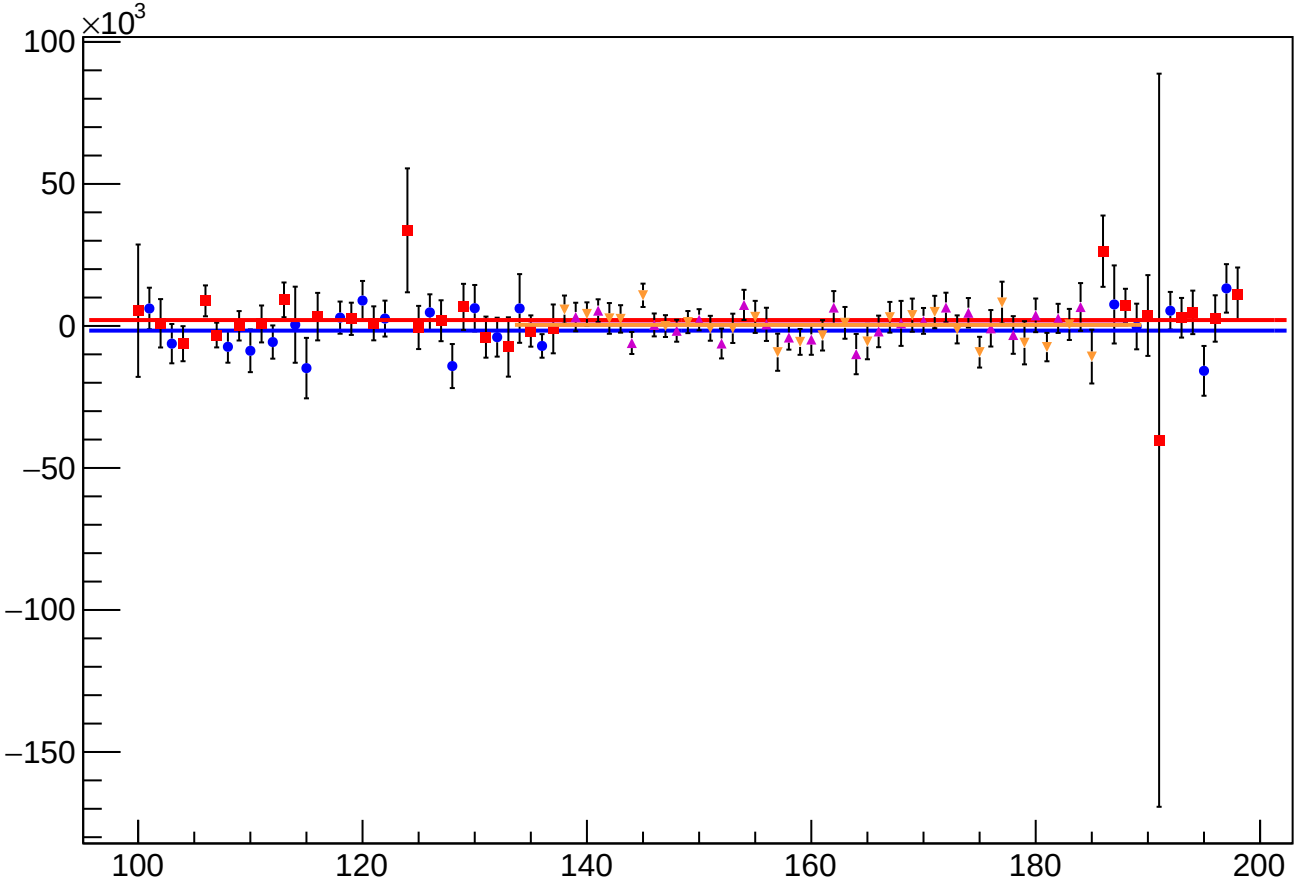
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4273.605+/-0.569 χ^2/NDF: 3039976.3/45

All: 2826.751+/-0.317 χ^2/NDF: 41833585.9/9

- sign 2175.239+/-0.382 χ^2/NDF: 29430174.2/49

asym_atl1r2_dd_mean vs Slug



Right In: -1643.695+/-1538.297 χ^2/NDF: 23.0/20

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 2075.790+/-1384.090 χ^2/NDF: 16.8/26

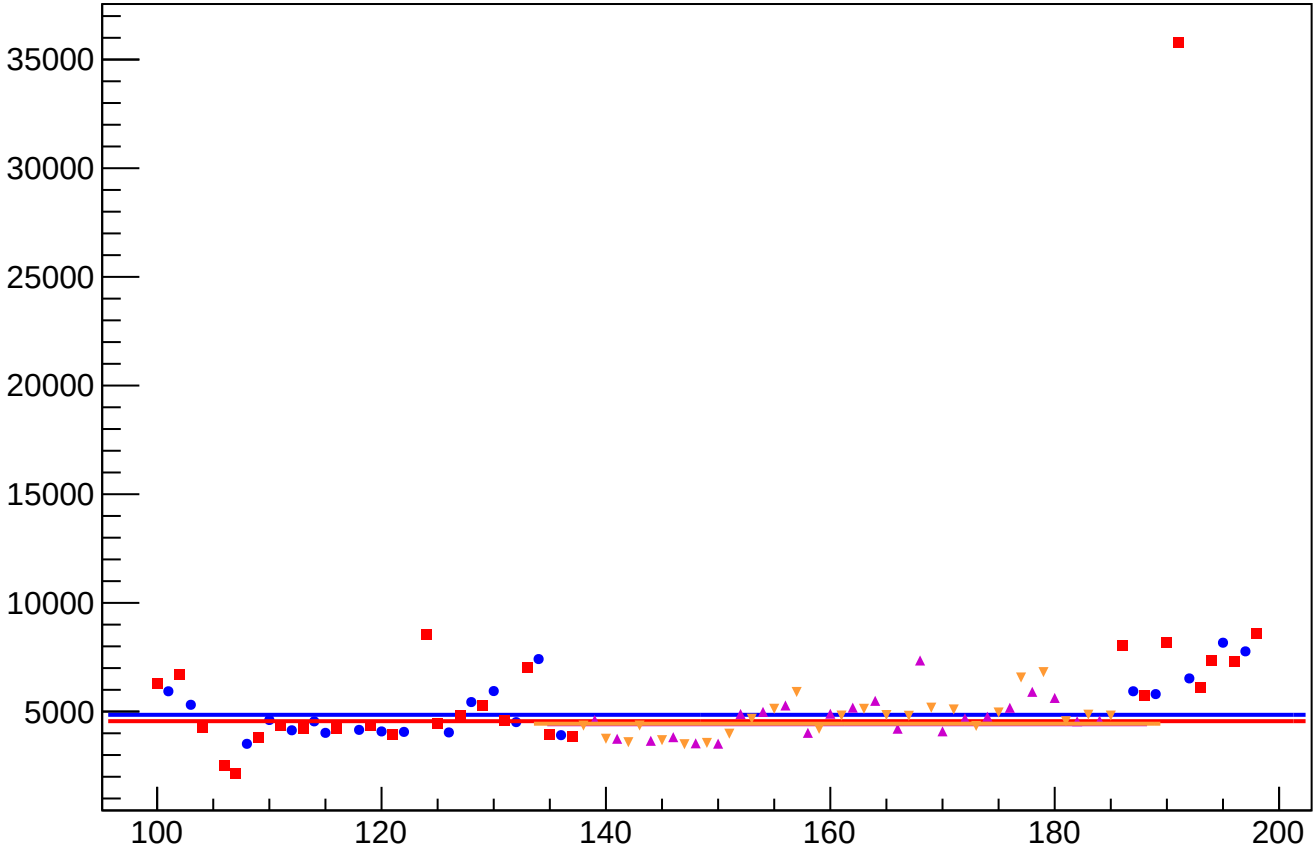
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -232.441+/-854.962 χ^2/NDF: 48.9/45

All: 436.825+/-597.866 χ^2/NDF: 85.1/95

- sign 1077.292+/-836.365 χ^2/NDF: 35.0/49

asym_atl1r2_dd_rms vs Slug



Right In: 4850.175+/-1.088 χ^2/NDF: 1261343.5/20

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4557.250+/-0.971 χ^2/NDF: 2869337.0/26

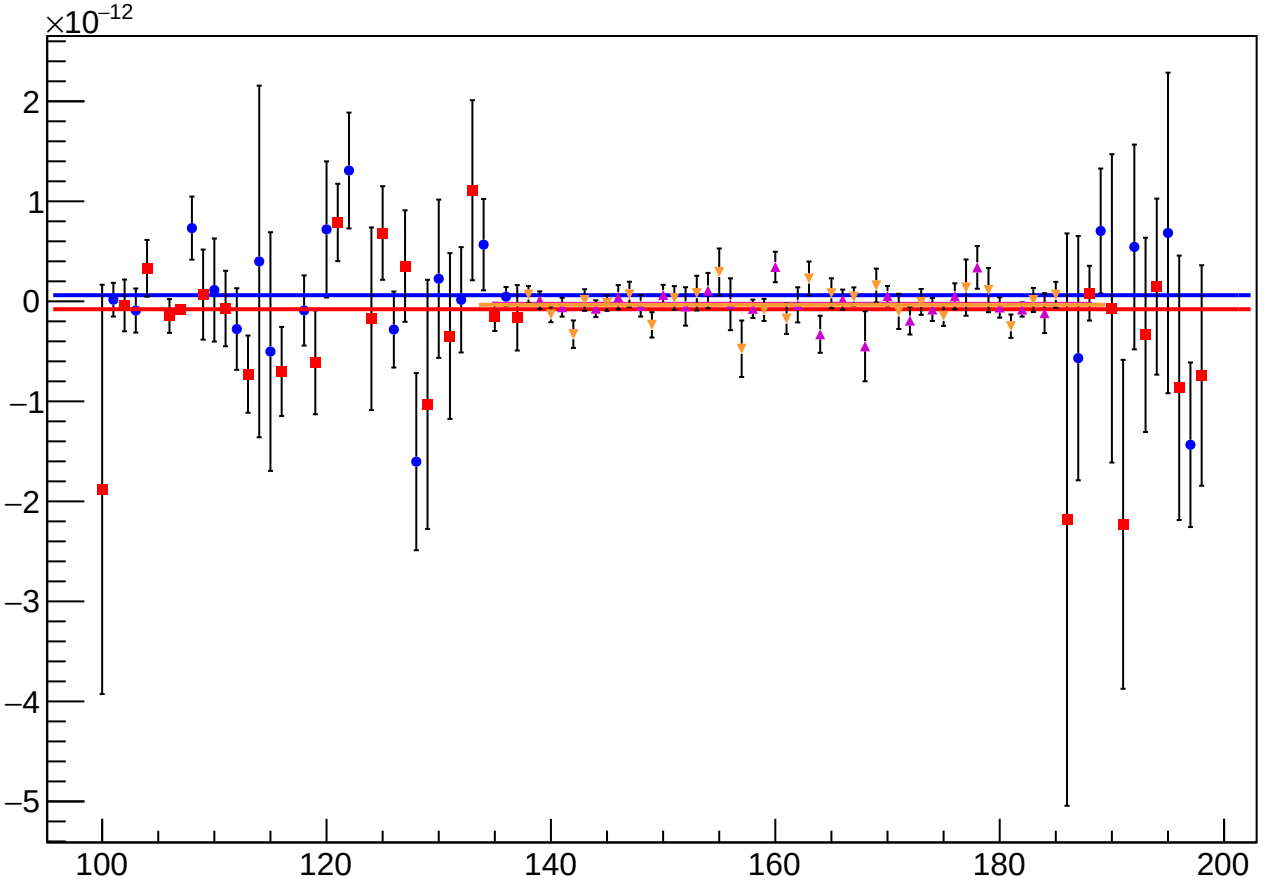
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4567.262+/-0.605 χ^2/NDF: 2432347.5/45

All: 4516.241+/-0.422 χ^2/NDF: 6440472.7/95

- sign 4467.701+/-0.590 χ^2/NDF: 3994226.6/49

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/26

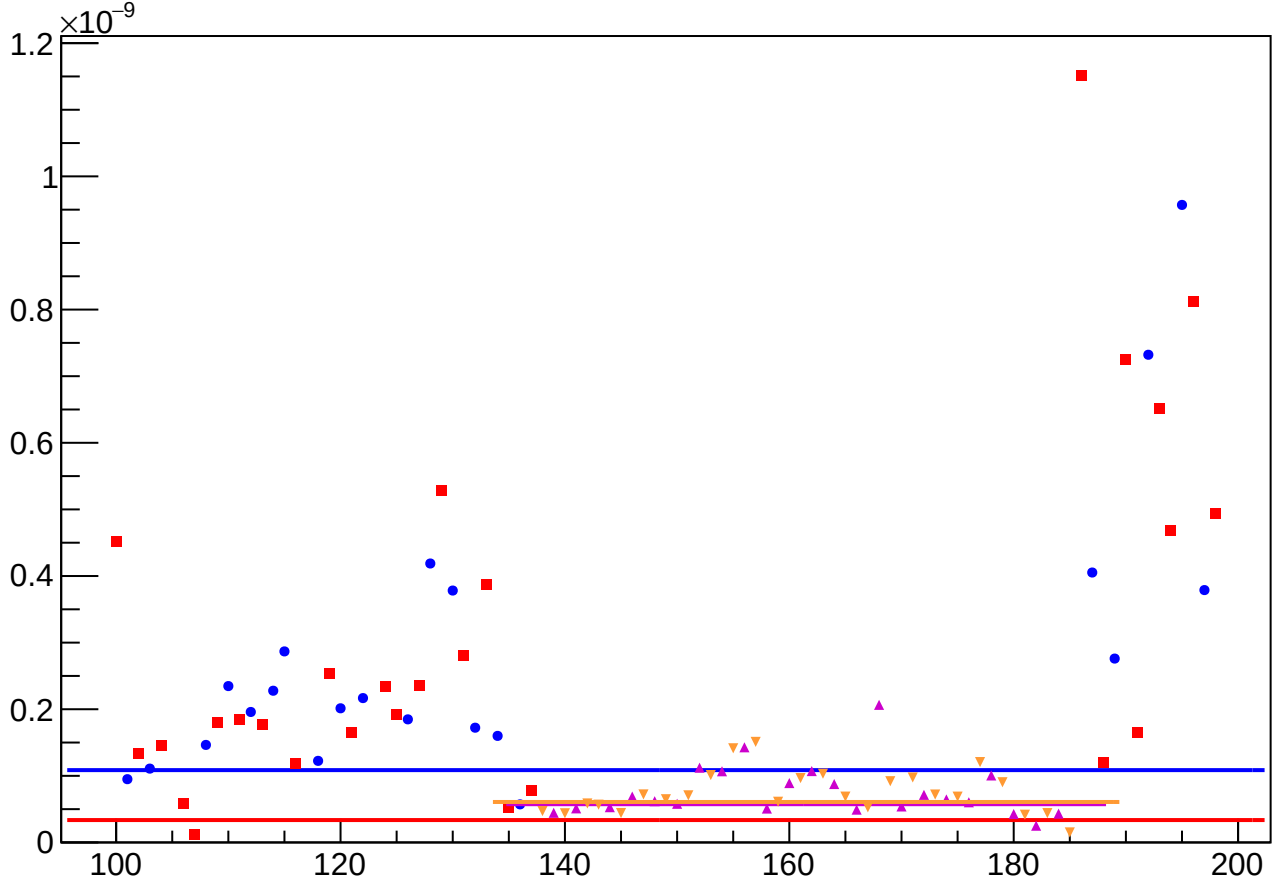
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/45

All: -0.000+/-0.000 χ^2/NDF: 97.7/95

- sign -0.000+/-0.000 χ^2/NDF: 44.5/49

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3379018.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7652431.6/26

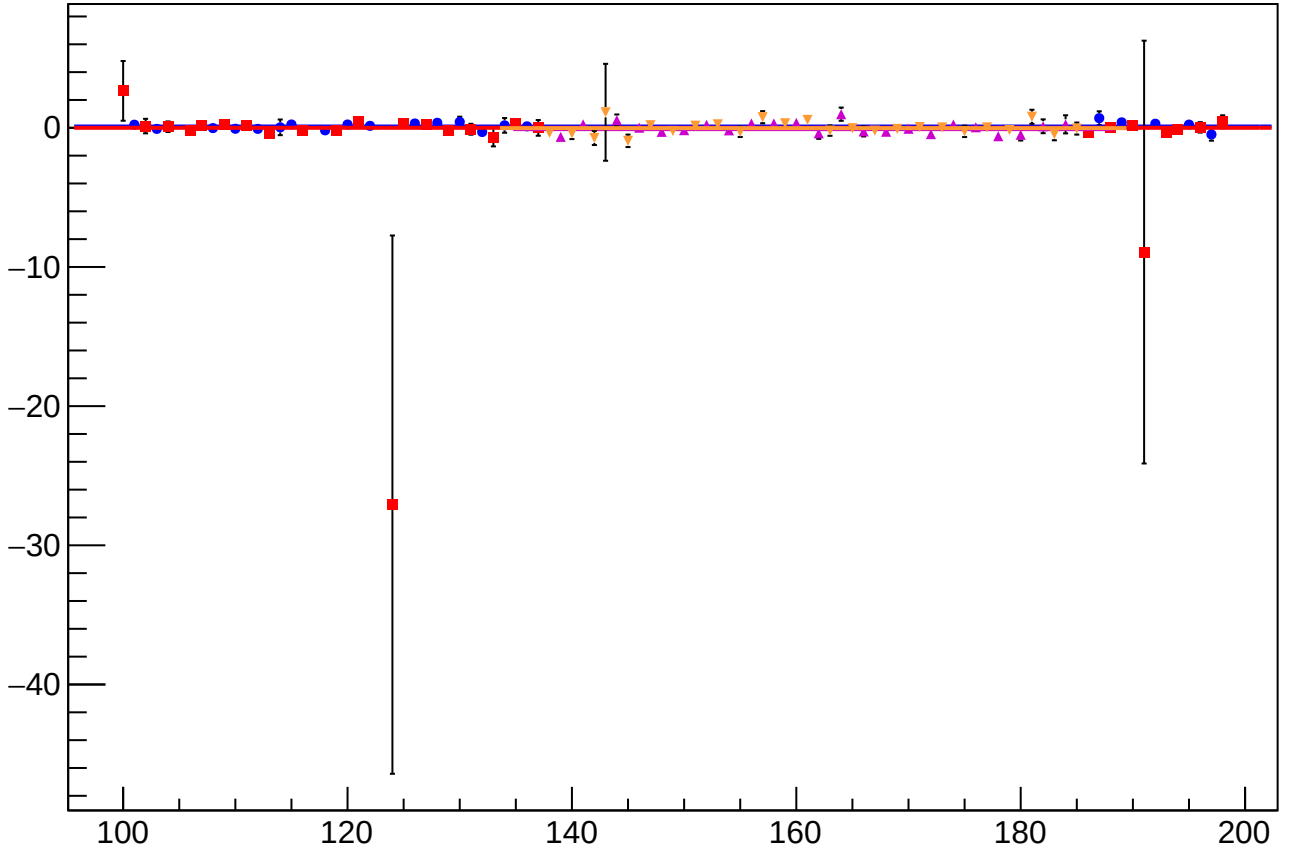
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5996302.3/45

All: 0.000+/-0.000 χ^2/NDF: 16863926.1/95

- sign 0.000+/-0.000 χ^2/NDF: 10203788.5/49

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.001+/-0.051 χ^2/NDF: 27.3/26

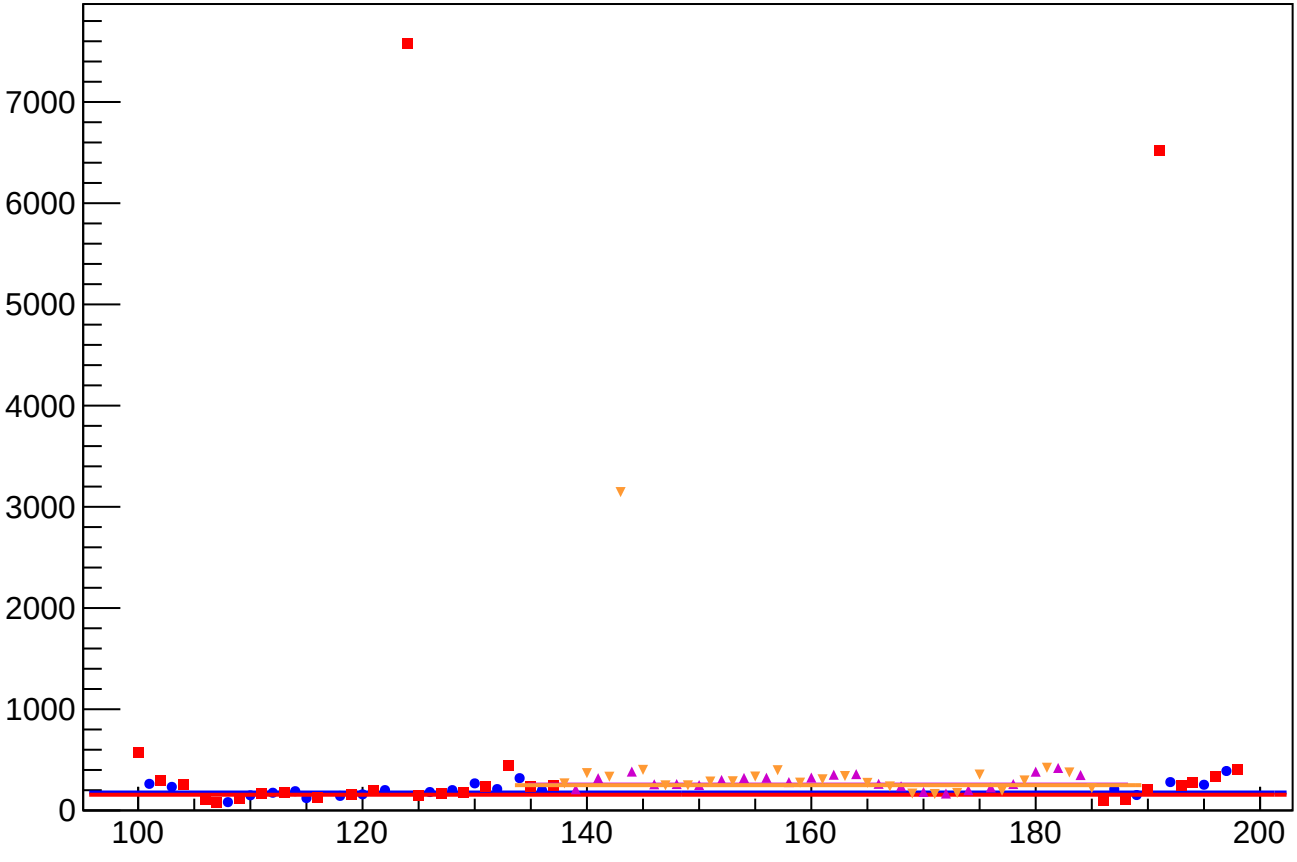
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.043 χ^2/NDF: 39.2/45

All: -0.003+/-0.029 χ^2/NDF: 100.9/95

- sign -0.037+/-0.039 χ^2/NDF: 60.2/49

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 177.342+/-0.042 χ^2/NDF: 2426354.8/20

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 155.374+/-0.036 χ^2/NDF: 4414960.8/26

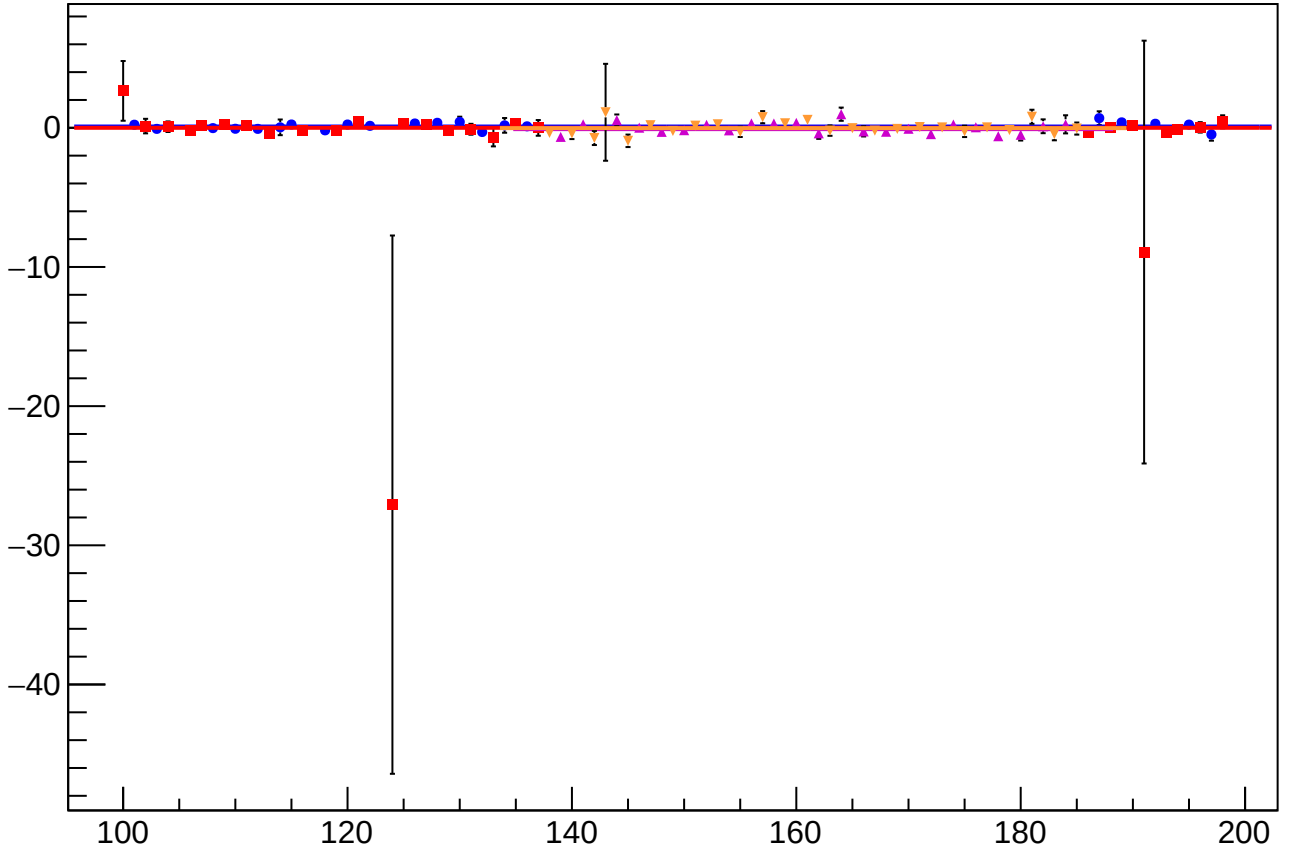
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 212.395+/-0.030 χ^2/NDF: 8091313.1/45

All: 202.758+/-0.021 χ^2/NDF: 17862078.1/95

- sign 194.581+/-0.028 χ^2/NDF: 9583719.9/49

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.001+/-0.051 χ^2/NDF: 27.3/26

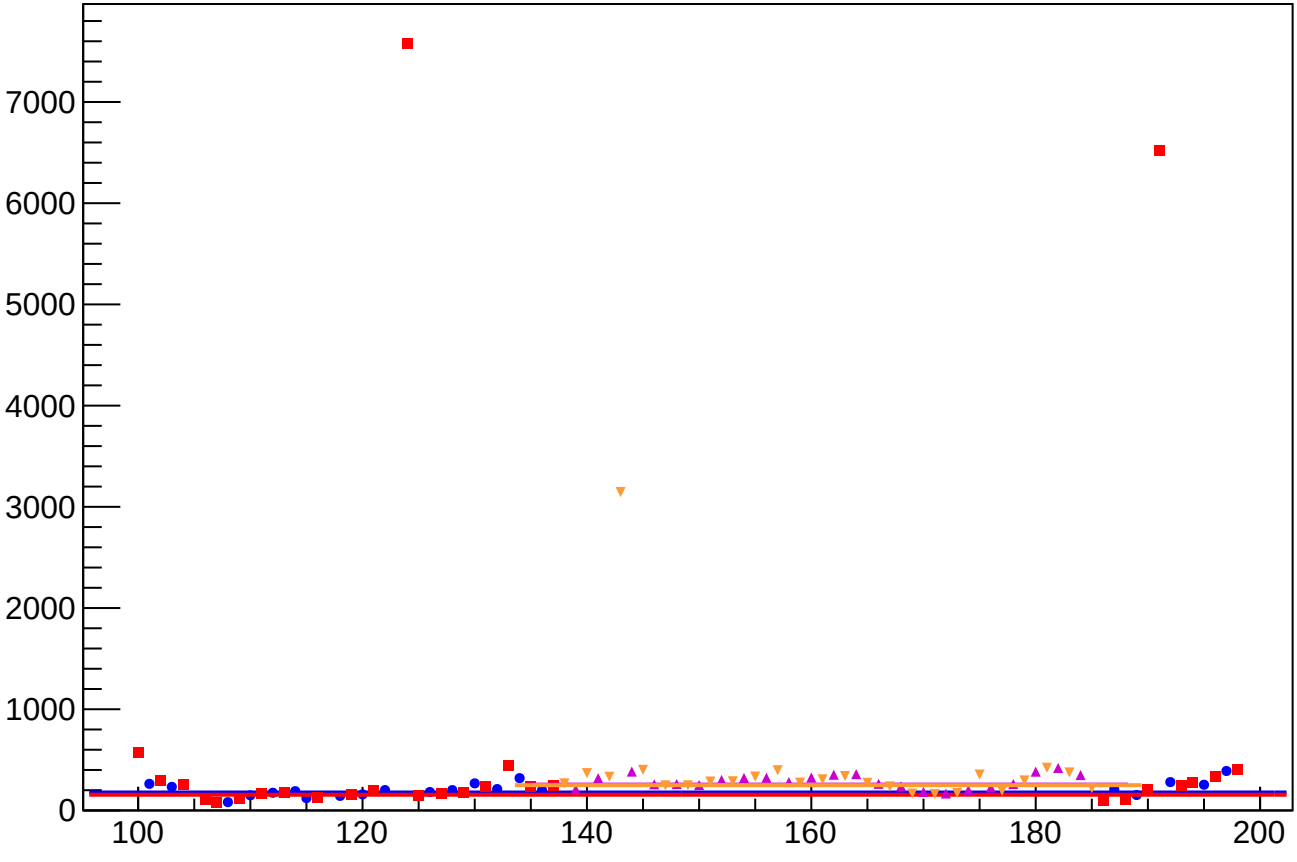
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.043 χ^2/NDF: 39.2/45

All: -0.003+/-0.029 χ^2/NDF: 100.9/95

- sign -0.037+/-0.039 χ^2/NDF: 60.2/49

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 177.342+/-0.042 χ^2/NDF: 2426354.8/20

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

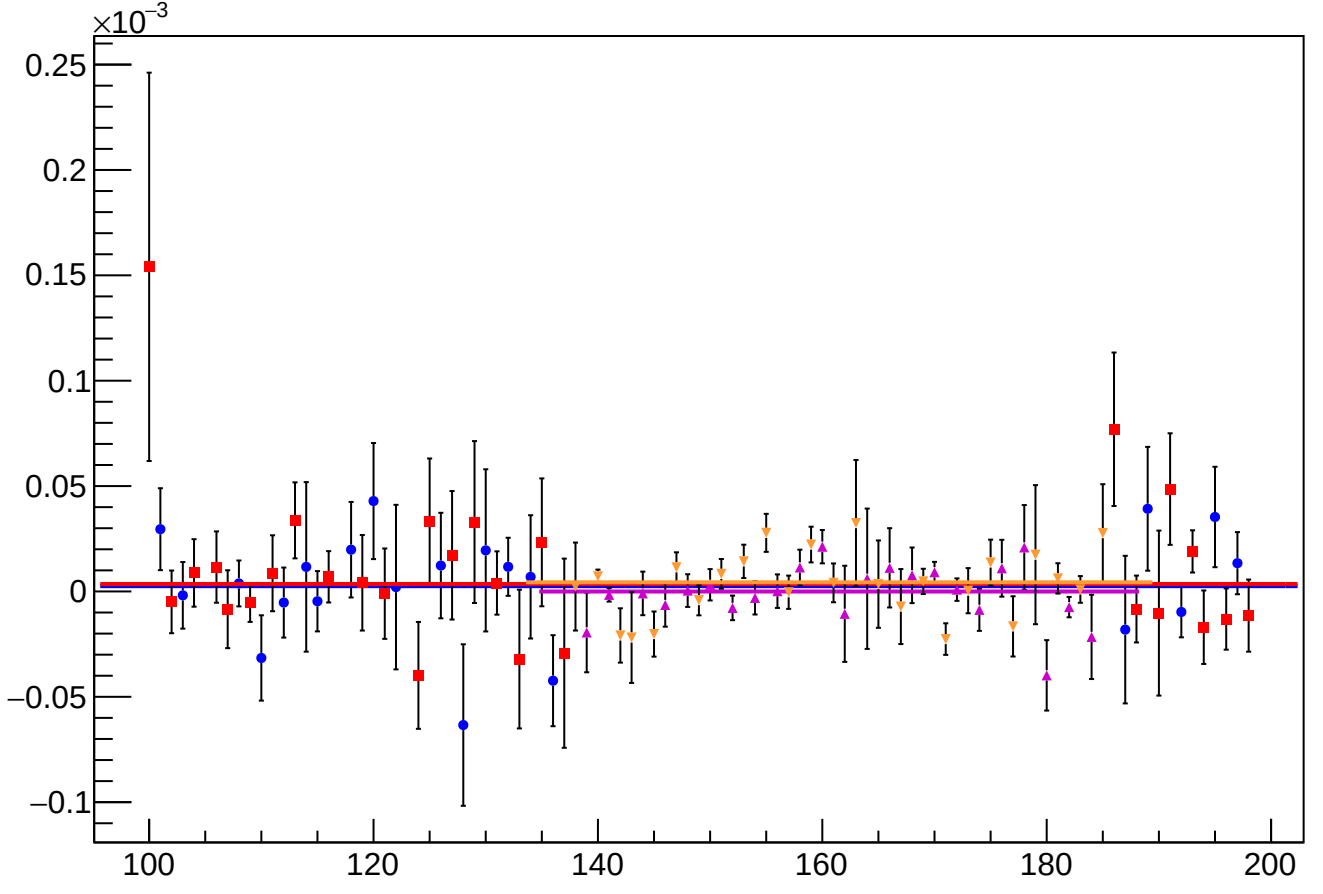
Right Out: 155.374+/-0.036 χ^2/NDF: 4414960.8/26

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 212.395+/-0.030 χ^2/NDF: 8091313.1/45

All: 202.758+/-0.021 χ^2/NDF: 17862078.1/95

- sign 194.581+/-0.028 χ^2/NDF: 9583719.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/26

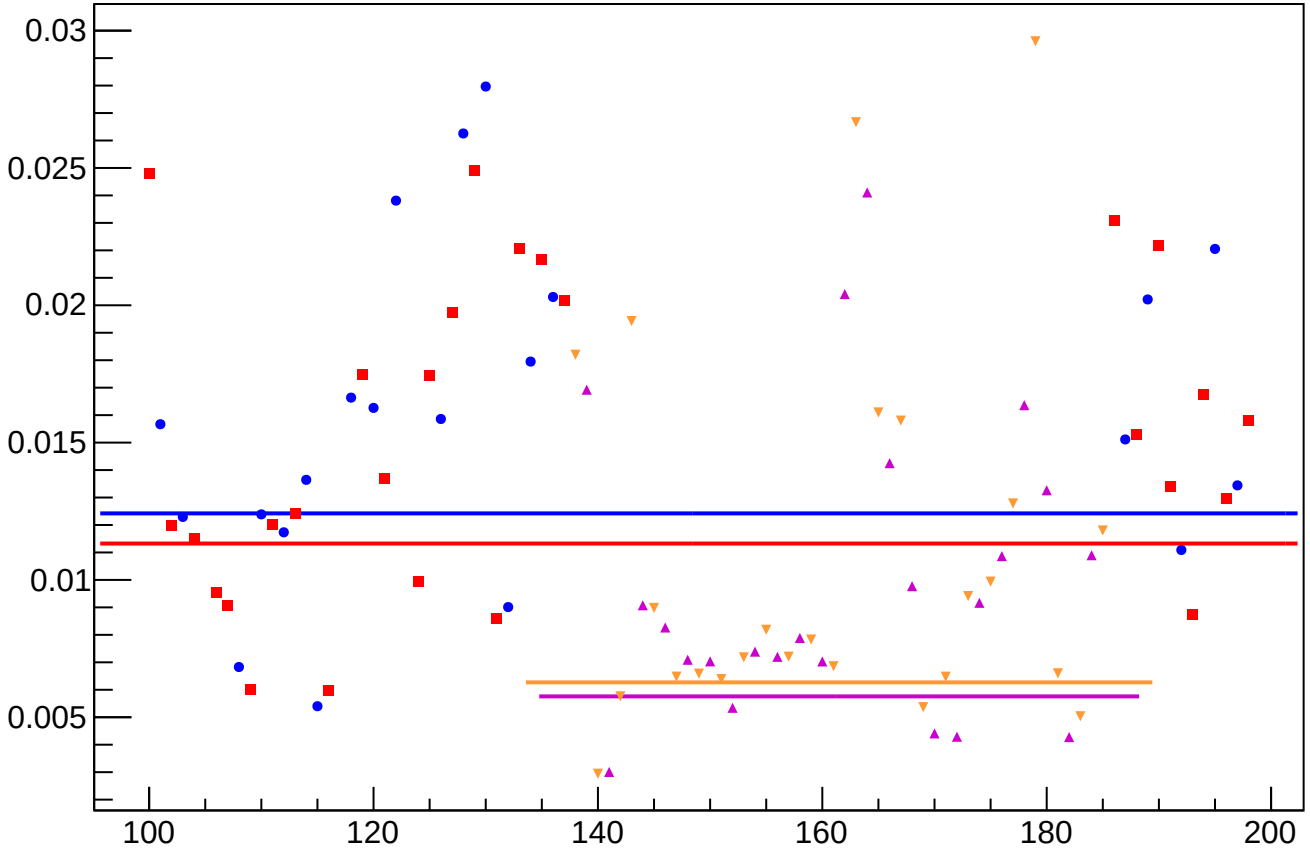
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.8/45

All: 0.000+/-0.000 χ^2/NDF: 128.6/95

- sign 0.000+/-0.000 χ^2/NDF: 58.0/49

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2947118.9/20

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 3432054.3/26

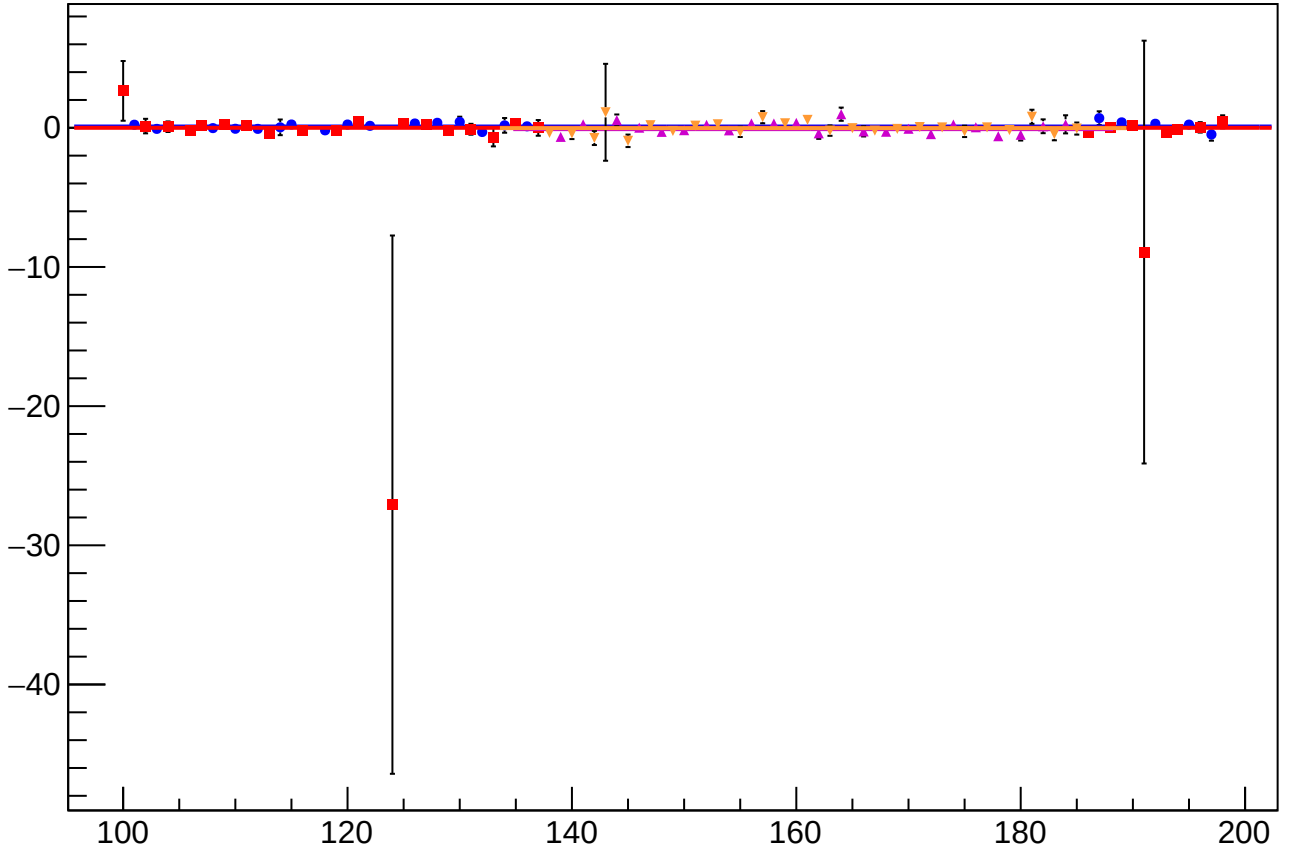
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 14610800.4/45

All: 0.007+/-0.000 χ^2/NDF: 29486500.8/95

- sign 0.007+/-0.000 χ^2/NDF: 14811250.4/49

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.001+/-0.051 χ^2/NDF: 27.3/26

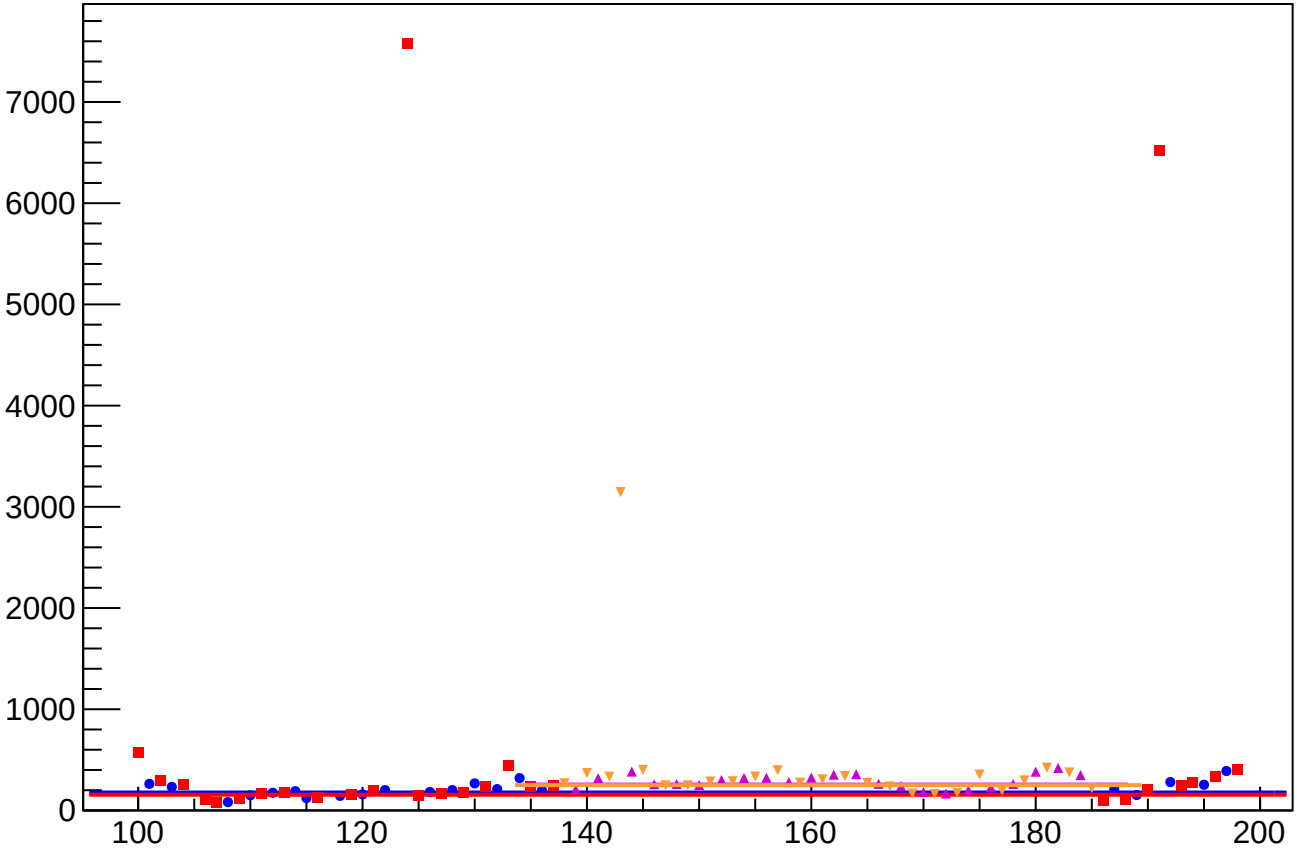
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.043 χ^2/NDF: 39.2/45

All: -0.003+/-0.029 χ^2/NDF: 100.9/95

- sign -0.037+/-0.039 χ^2/NDF: 60.2/49

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 177.340+/-0.042 χ^2/NDF: 2426371.3/20

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

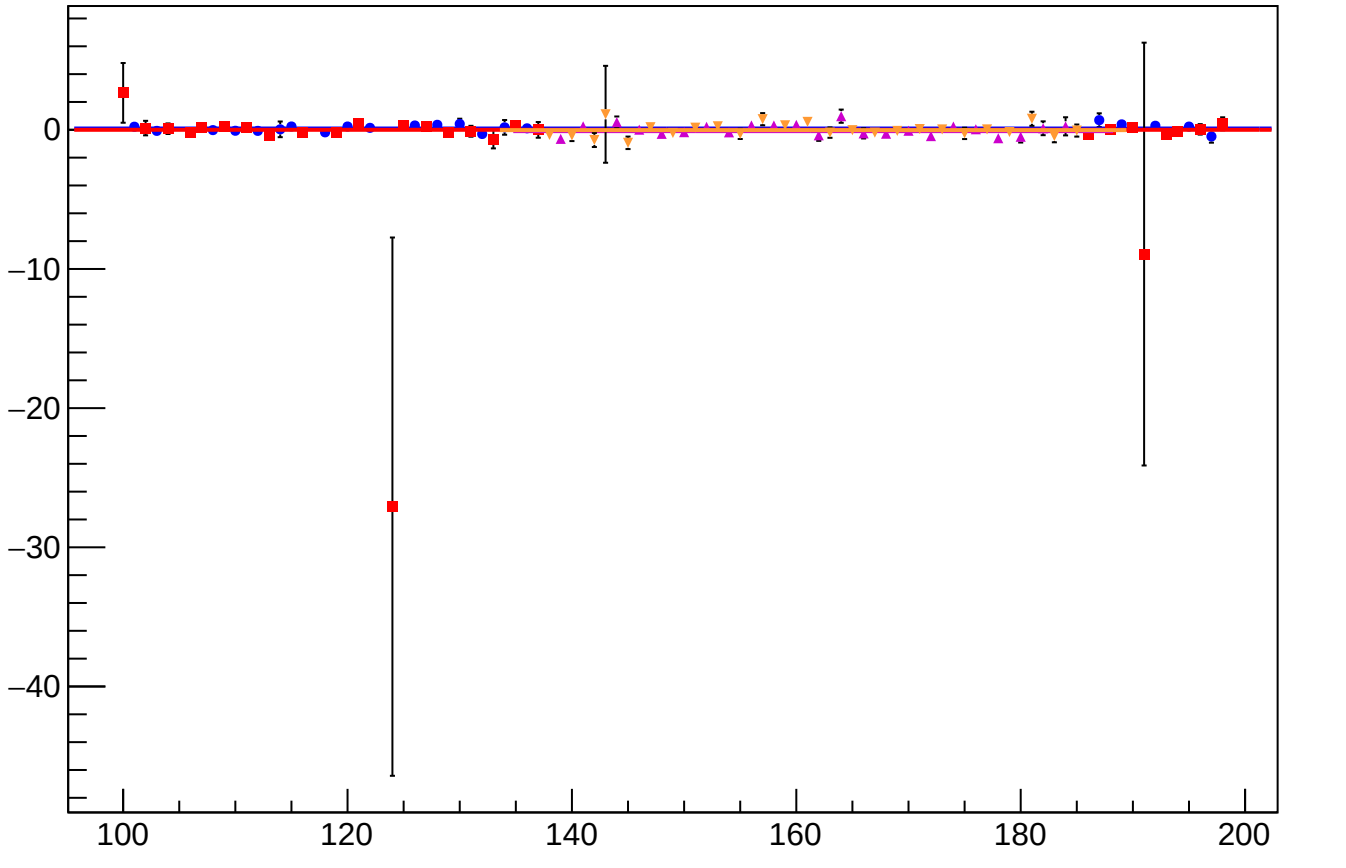
Right Out: 155.377+/-0.036 χ^2/NDF: 4414834.1/26

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 212.394+/-0.030 χ^2/NDF: 8091574.4/45

All: 202.758+/-0.021 χ^2/NDF: 17862120.6/95

- sign 194.584+/-0.028 χ^2/NDF: 9583571.6/49



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

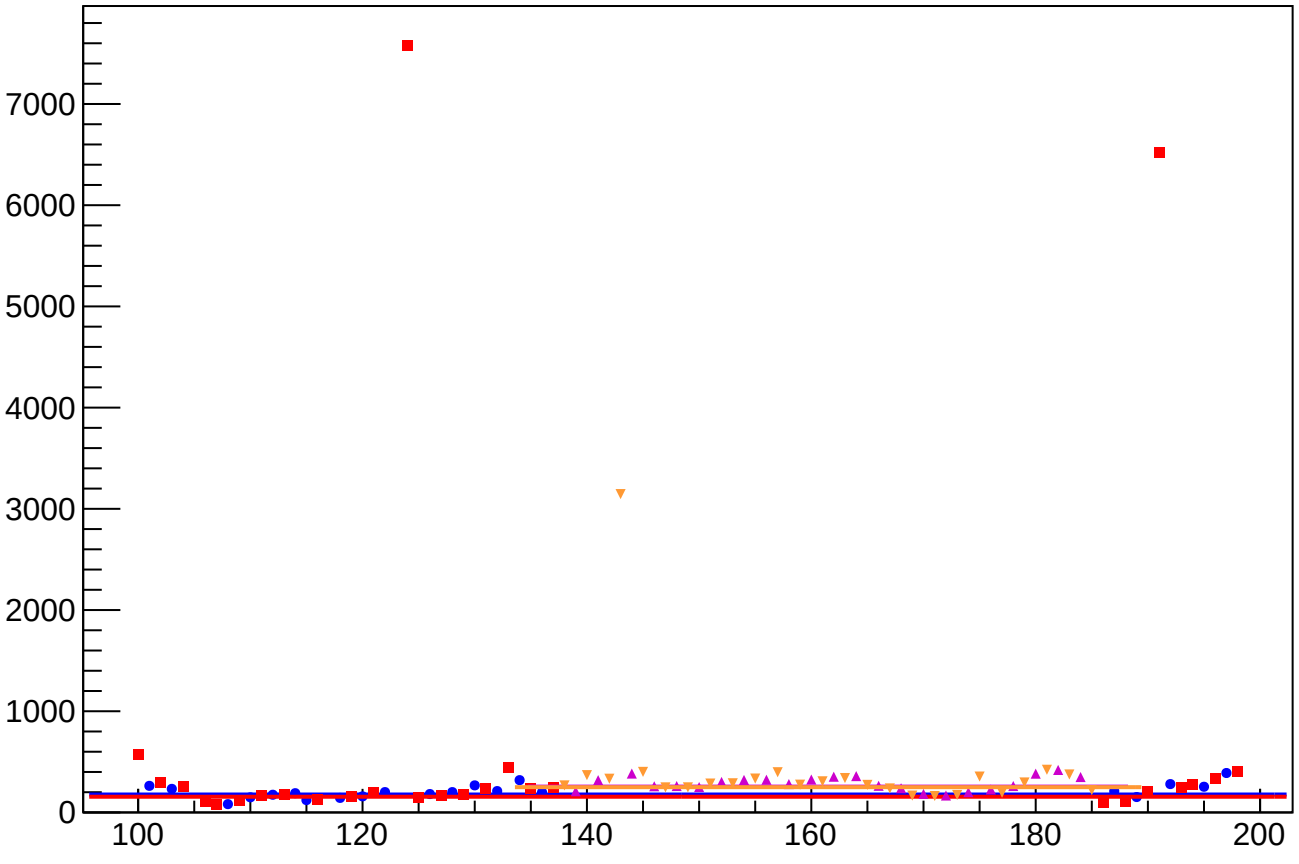
Right Out: 0.001+/-0.051 χ^2/NDF: 27.3/26

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.043 χ^2/NDF: 39.2/45

All: -0.003+/-0.029 χ^2/NDF: 100.9/95

- sign -0.037+/-0.039 χ^2/NDF: 60.2/49



Right In: 177.340+/-0.042 χ^2/NDF: 2426371.3/20

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

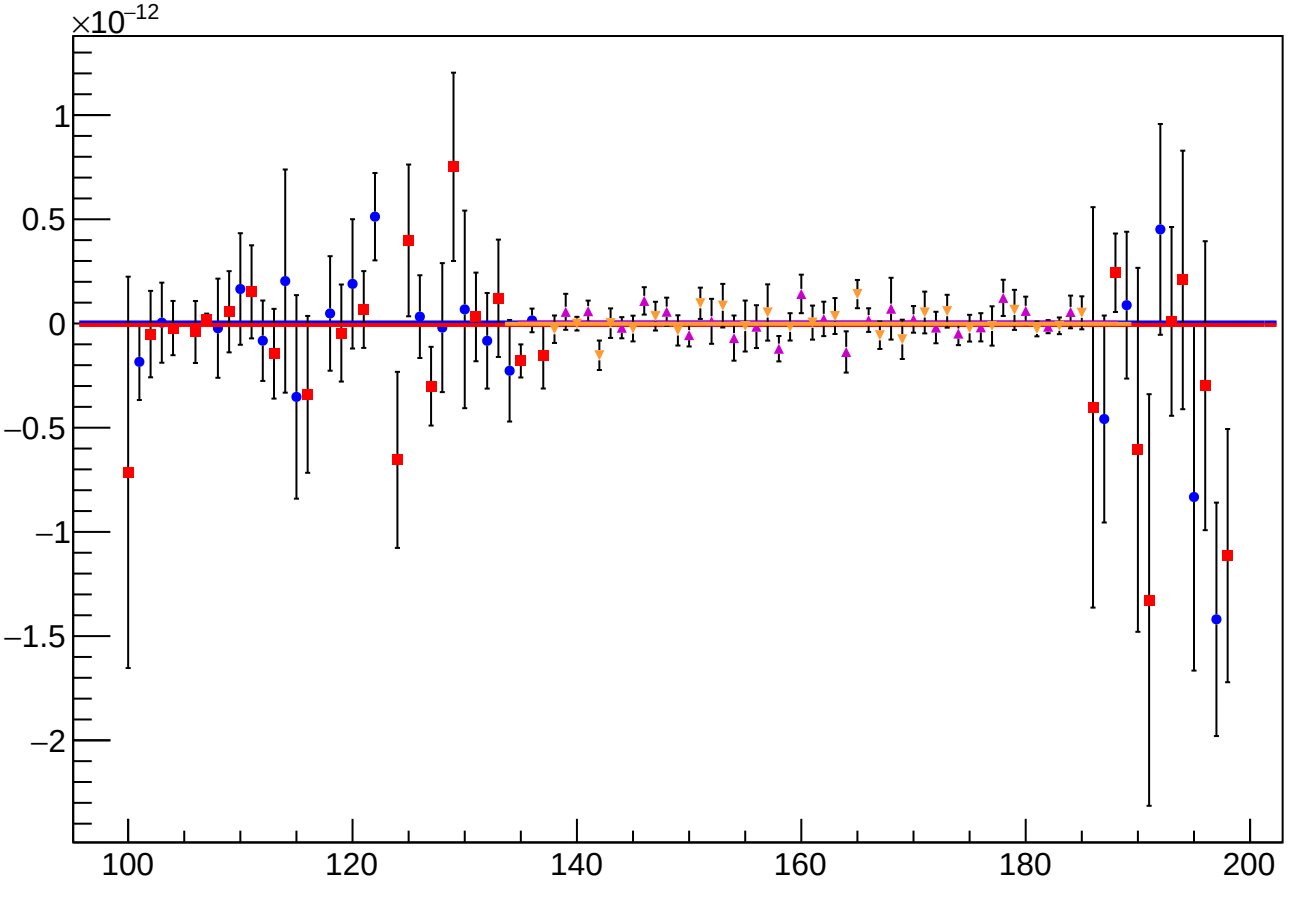
Right Out: 155.377+/-0.036 χ^2/NDF: 4414834.1/26

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 212.394+/-0.030 χ^2/NDF: 8091574.4/45

All: 202.758+/-0.021 χ^2/NDF: 17862120.6/95

- sign 194.584+/-0.028 χ^2/NDF: 9583571.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

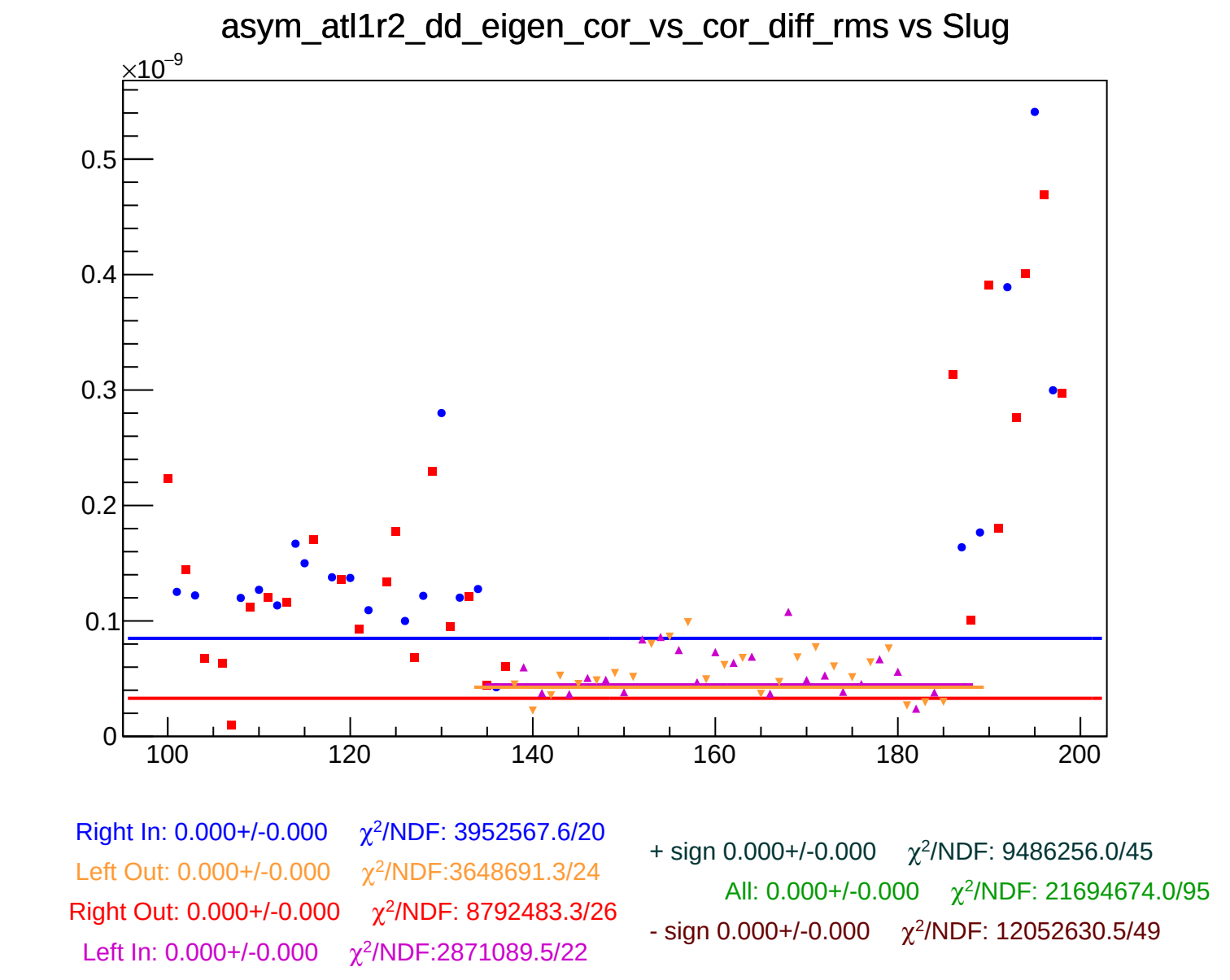
Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/26

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

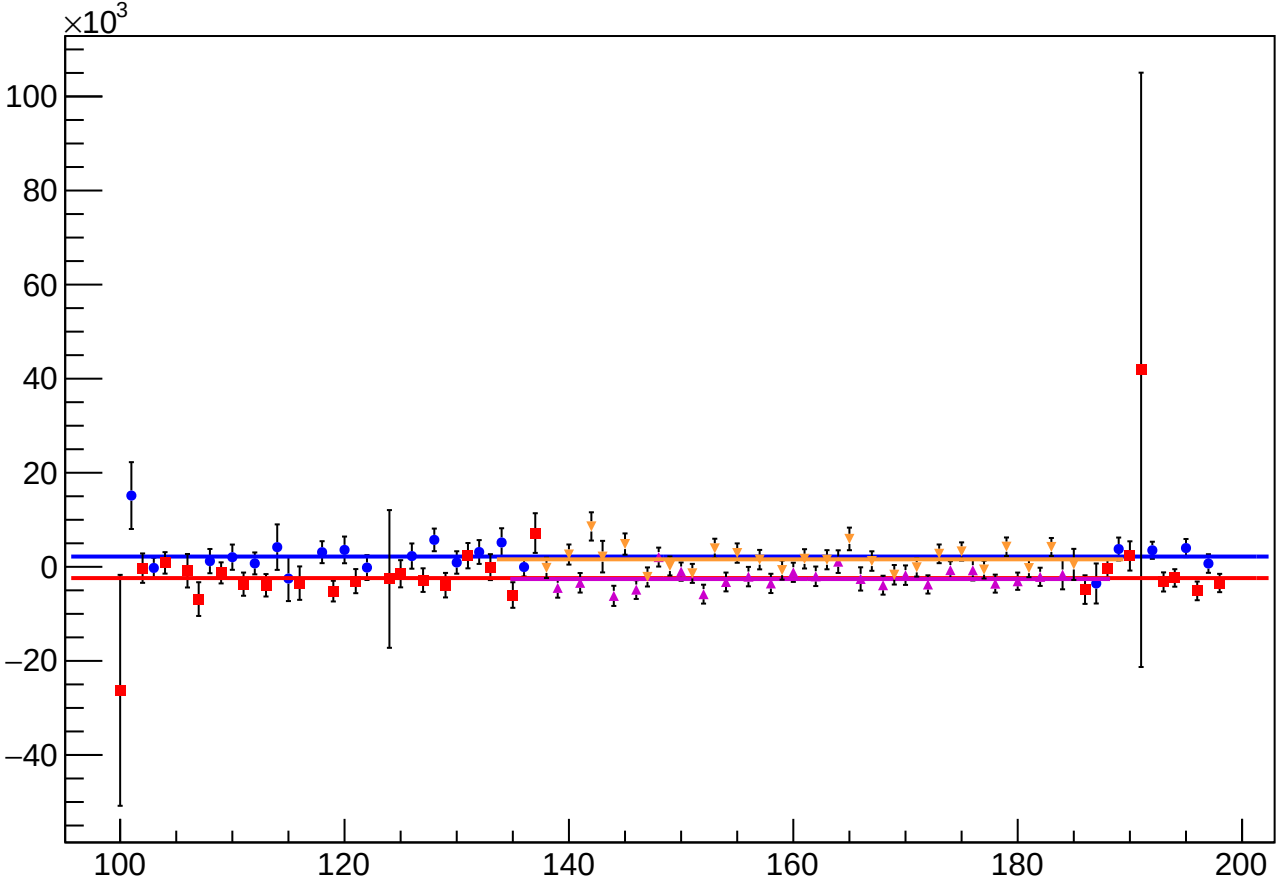
+ sign -0.000+/-0.000 χ^2/NDF: 35.3/45

All: 0.000+/-0.000 χ^2/NDF: 81.5/95

- sign 0.000+/-0.000 χ^2/NDF: 46.2/49


asym_atl1r2_dd_eigen_cor_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: 3952567.6/20
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 8792483.3/26
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
+ sign 0.000+/-0.000 χ²/NDF: 9486256.0/45
All: 0.000+/-0.000 χ²/NDF: 21694674.0/95
- sign 0.000+/-0.000 χ²/NDF: 12052630.5/49

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2183.437+/-550.888 χ^2/NDF: 16.4/20

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2394.344+/-509.836 χ^2/NDF: 25.8/26

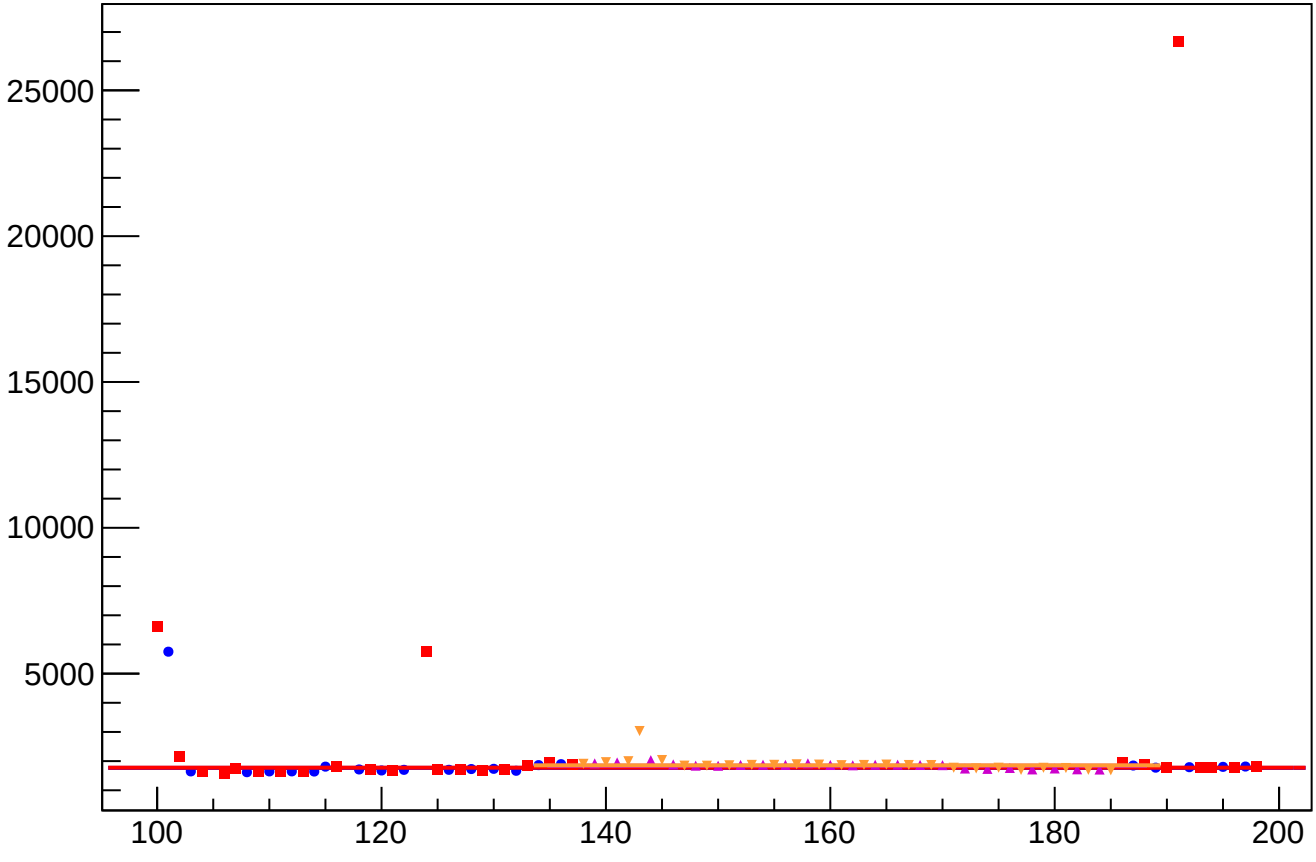
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1811.856+/-335.652 χ^2/NDF: 48.4/45

All: -395.026+/-234.893 χ^2/NDF: 179.2/95

- sign -2513.129+/-328.832 χ^2/NDF: 46.0/49

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1767.237+/-0.390 χ^2/NDF: 674687.4/20

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1774.557+/-0.359 χ^2/NDF: 639229.7/26

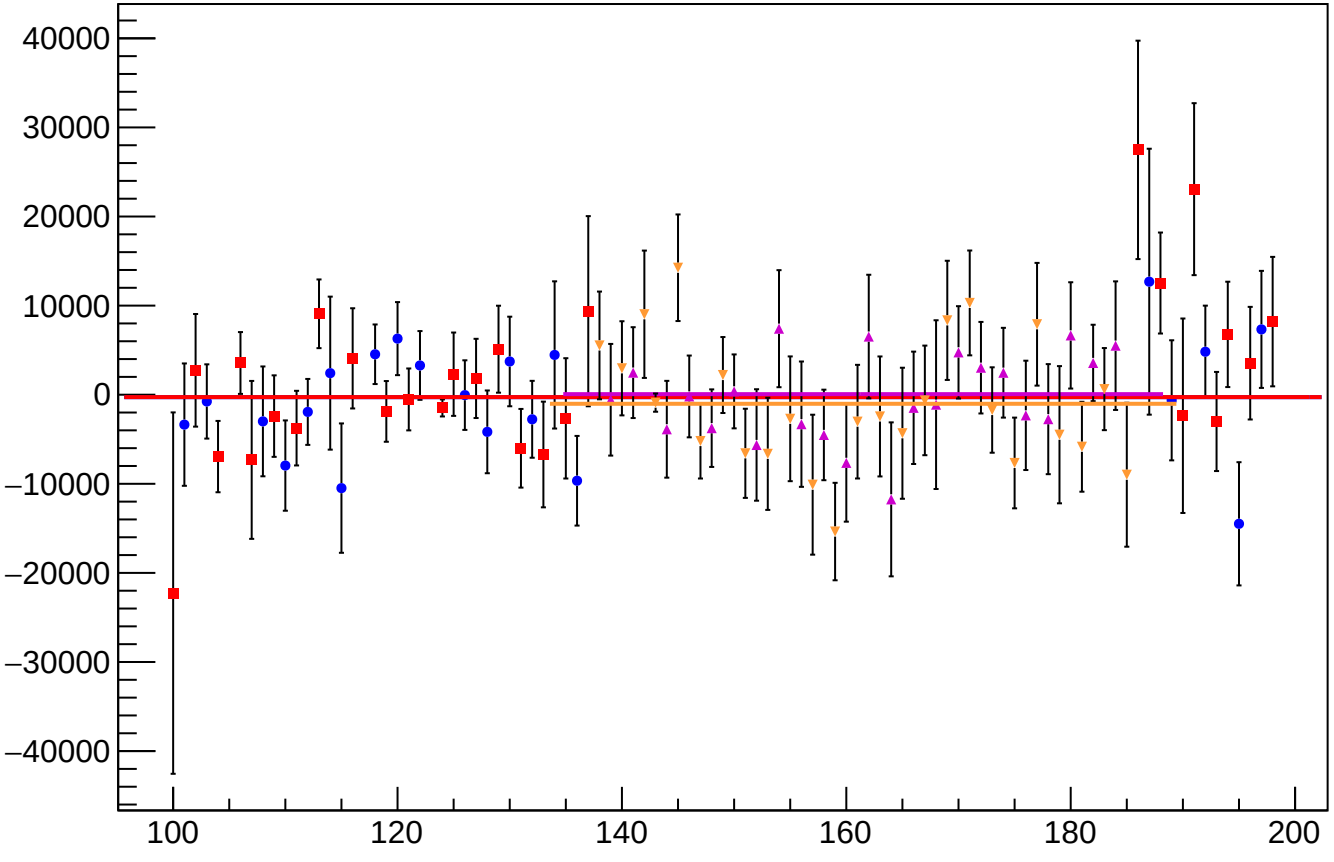
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1822.771+/-0.237 χ^2/NDF: 1031280.1/45

All: 1817.881+/-0.166 χ^2/NDF: 1762255.4/95

- sign 1813.205+/-0.232 χ^2/NDF: 730144.9/49

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -278.764+/-1095.719 χ^2/NDF: 23.2/20

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -268.114+/-696.656 χ^2/NDF: 40.3/26

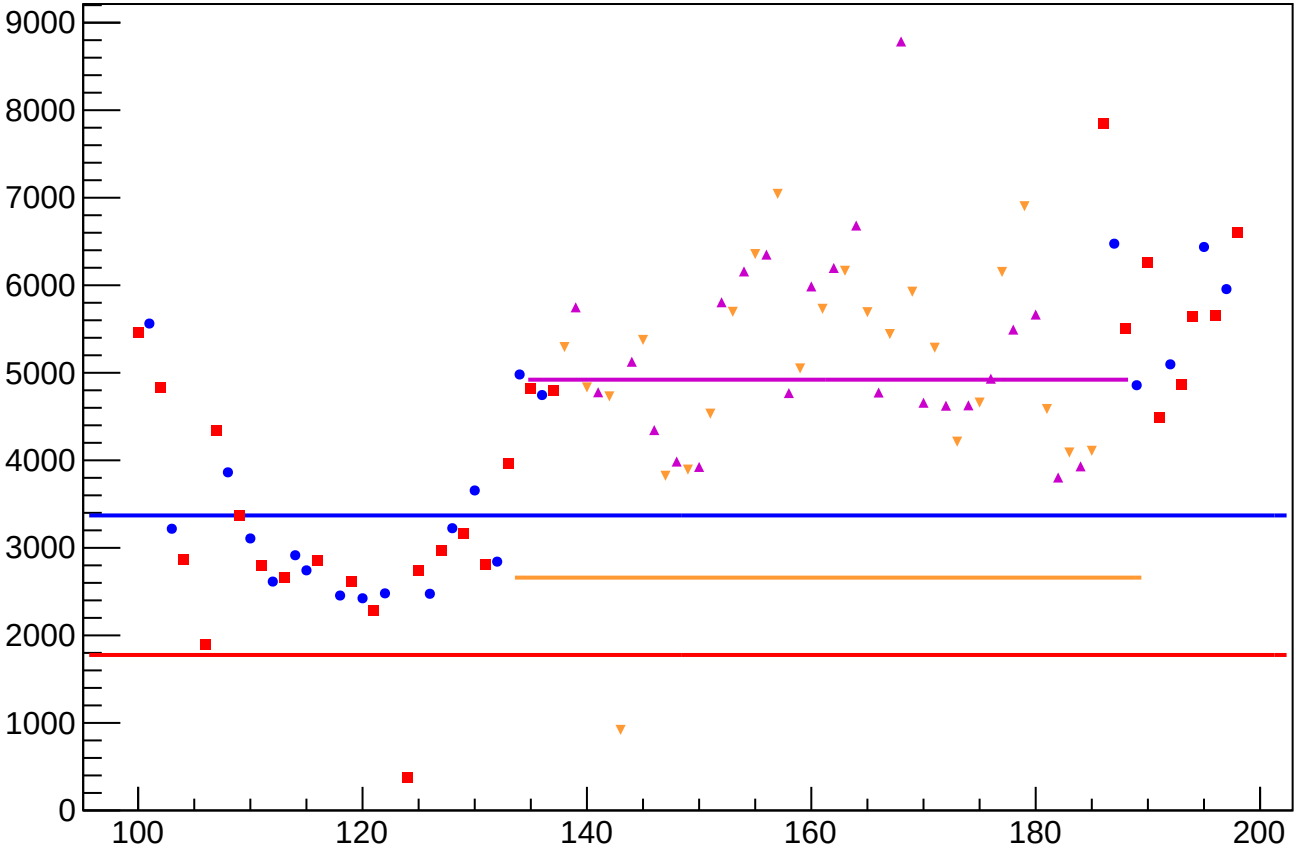
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -773.426+/-630.992 χ^2/NDF: 57.3/45

All: -462.352+/-434.441 χ^2/NDF: 111.2/95

- sign -181.986+/-599.038 χ^2/NDF: 53.4/49

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3370.344+/-0.775 χ^2/NDF: 2169881.1/20

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1776.368+/-0.493 χ^2/NDF: 12158638.4/26

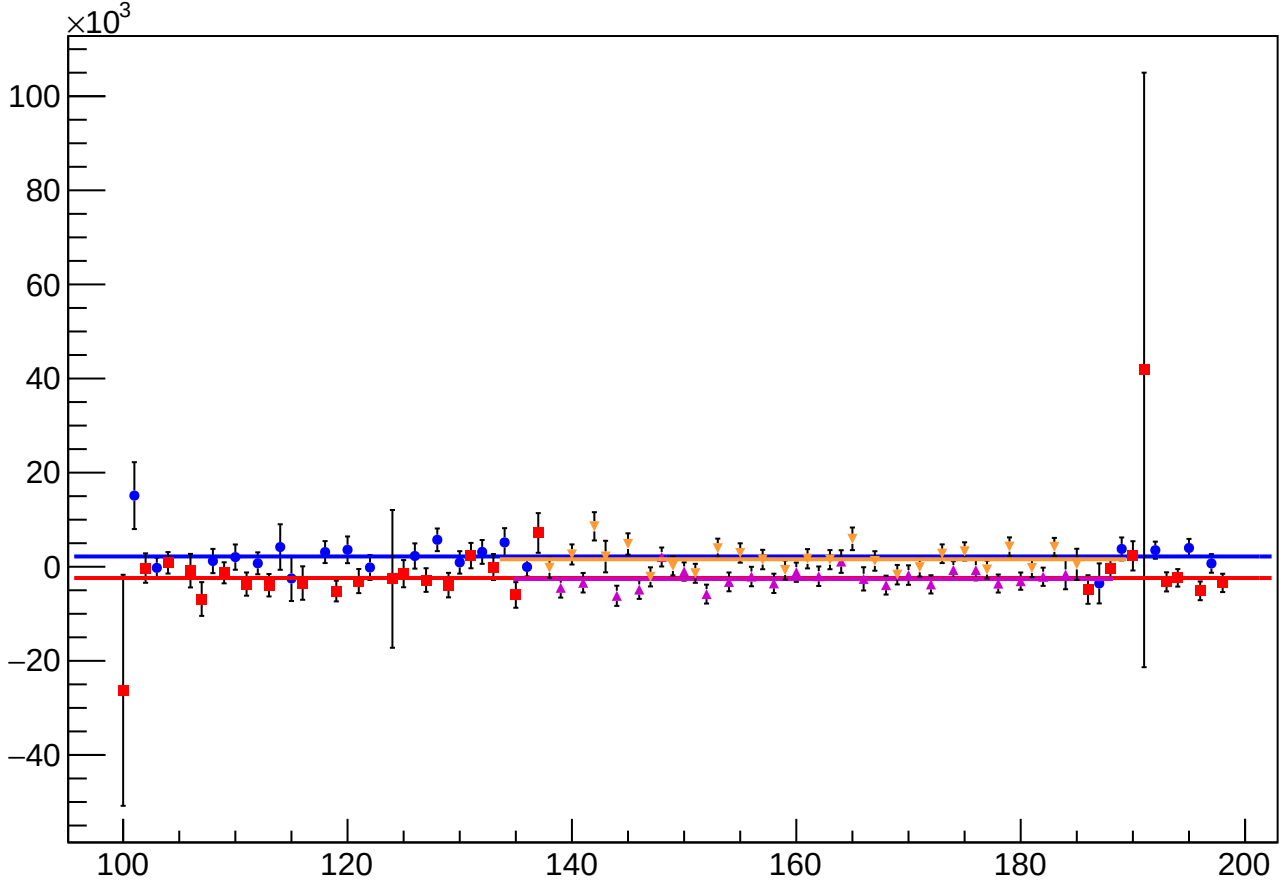
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2895.575+/-0.446 χ^2/NDF: 17267749.6/45

All: 2738.001+/-0.307 χ^2/NDF: 41536880.3/9

- sign 2595.982+/-0.424 χ^2/NDF: 24031993.6/49

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2183.244+/-550.888 χ^2/NDF: 16.4/20

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2394.376+/-509.836 χ^2/NDF: 25.8/26

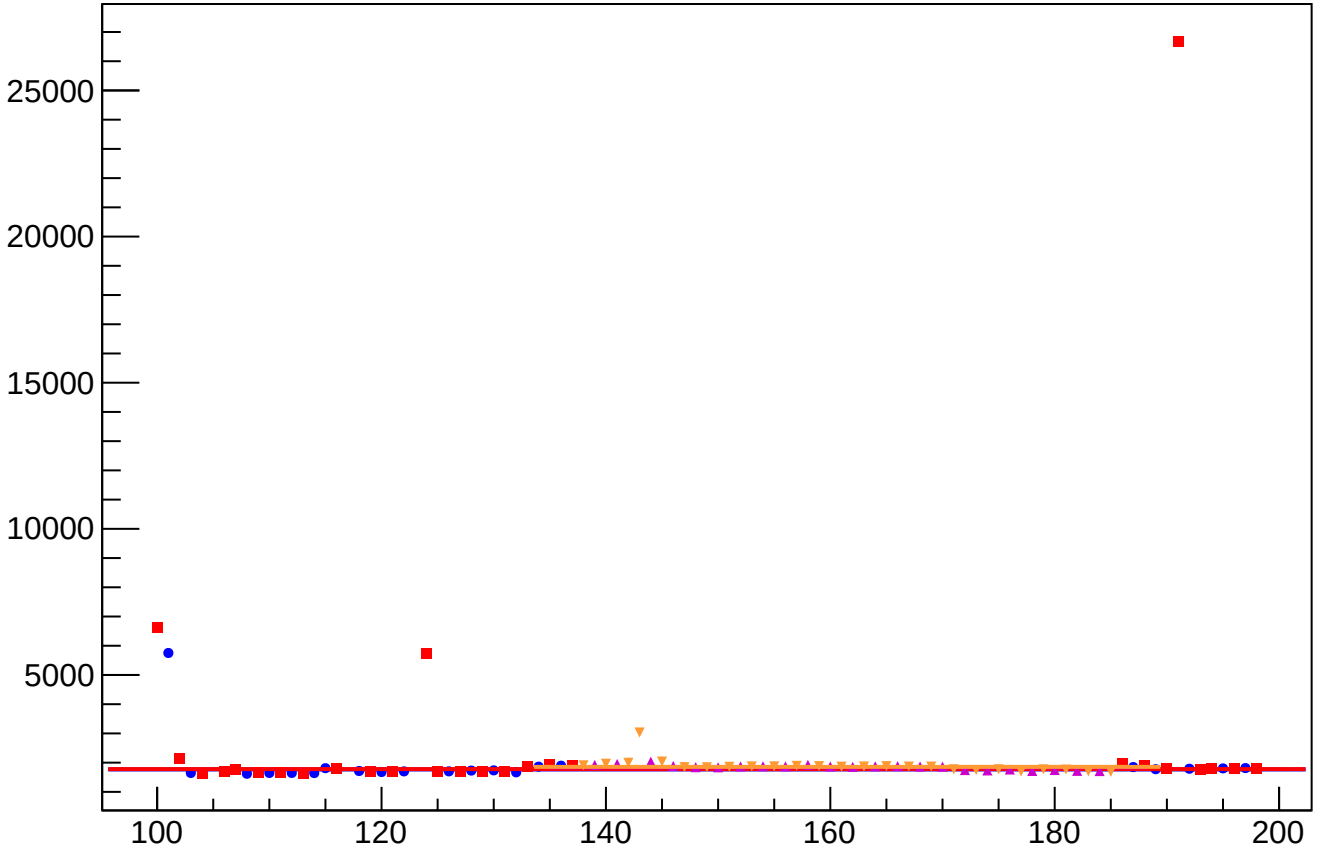
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1811.763+/-335.652 χ^2/NDF: 48.4/45

All: -395.099+/-234.893 χ^2/NDF: 179.2/95

- sign -2513.184+/-328.832 χ^2/NDF: 46.0/49

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.236+/-0.390 χ^2/NDF: 674687.7/20

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.781+/-0.360 χ^2/NDF: 630417.0/26

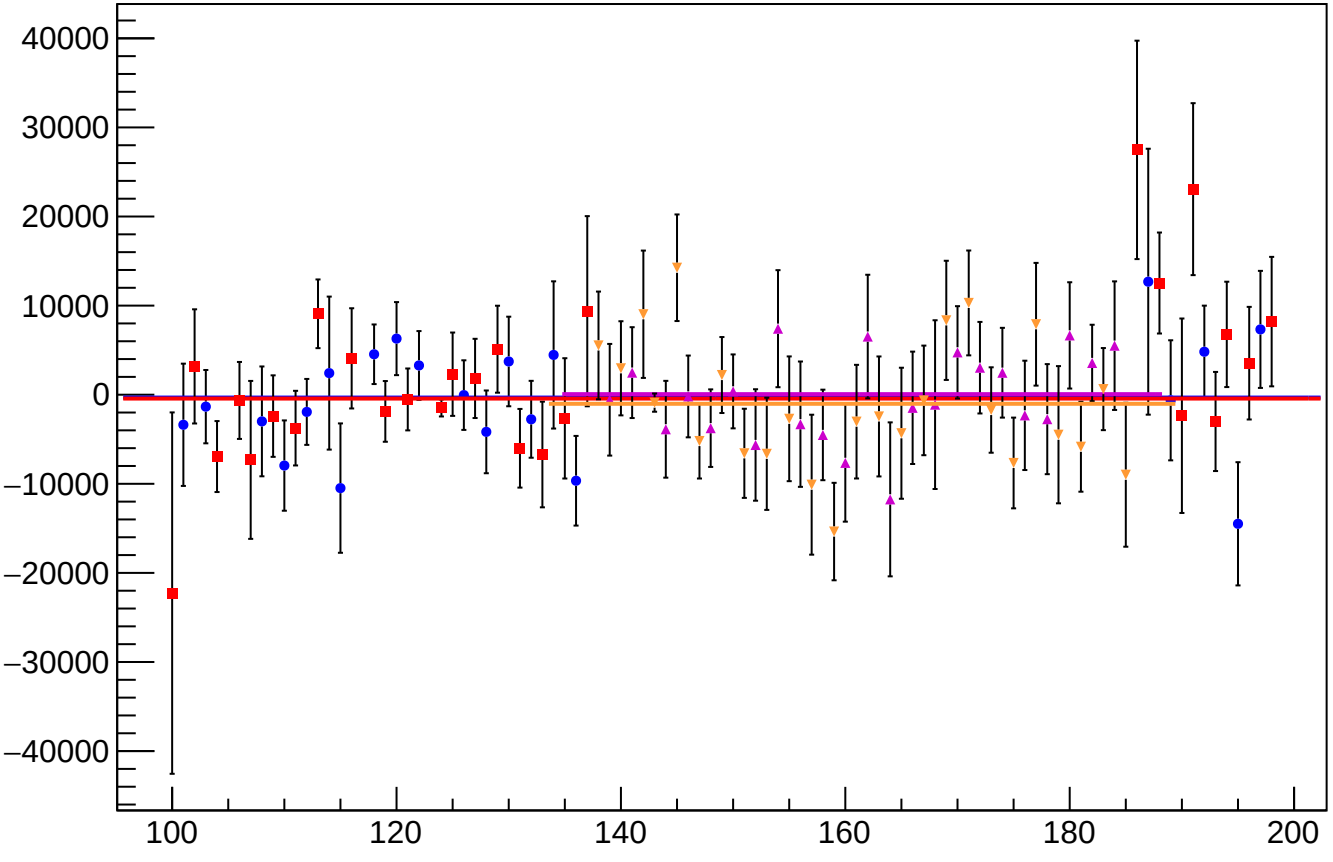
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1822.771+/-0.237 χ^2/NDF: 1031280.5/45

All: 1818.821+/-0.166 χ^2/NDF: 1750656.2/95

- sign 1815.038+/-0.232 χ^2/NDF: 718833.5/49

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -321.408+/-1094.737 χ^2/NDF: 23.3/20

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -432.646+/-701.712 χ^2/NDF: 39.1/26

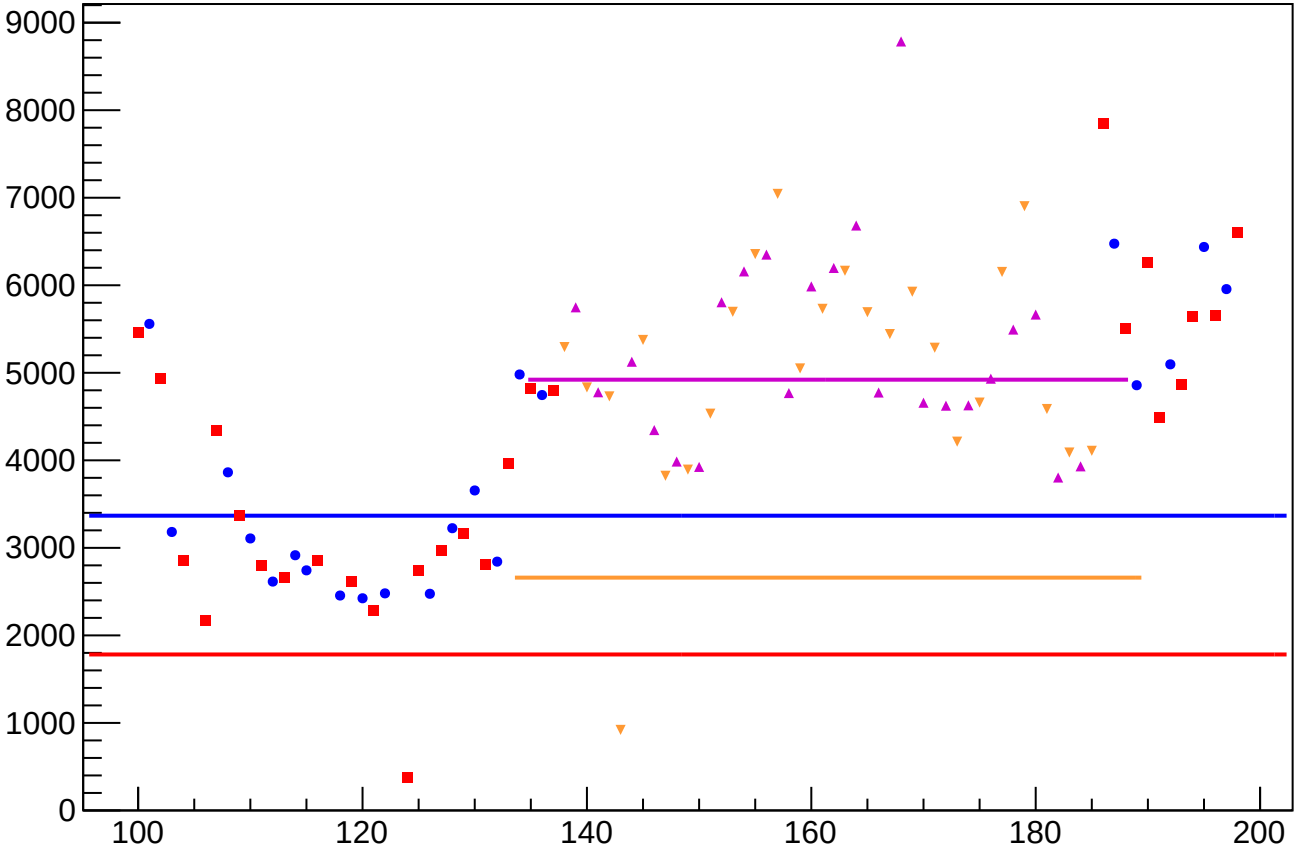
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

\+ sign -787.198+/-630.794 χ^2/NDF: 57.3/45

All: -533.515+/-435.594 χ^2/NDF: 109.9/95

\- sign -302.277+/-602.243 χ^2/NDF: 52.3/49

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3367.458+/-0.774 χ^2/NDF: 2170967.8/20

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1782.064+/-0.496 χ^2/NDF: 12188542.3/26

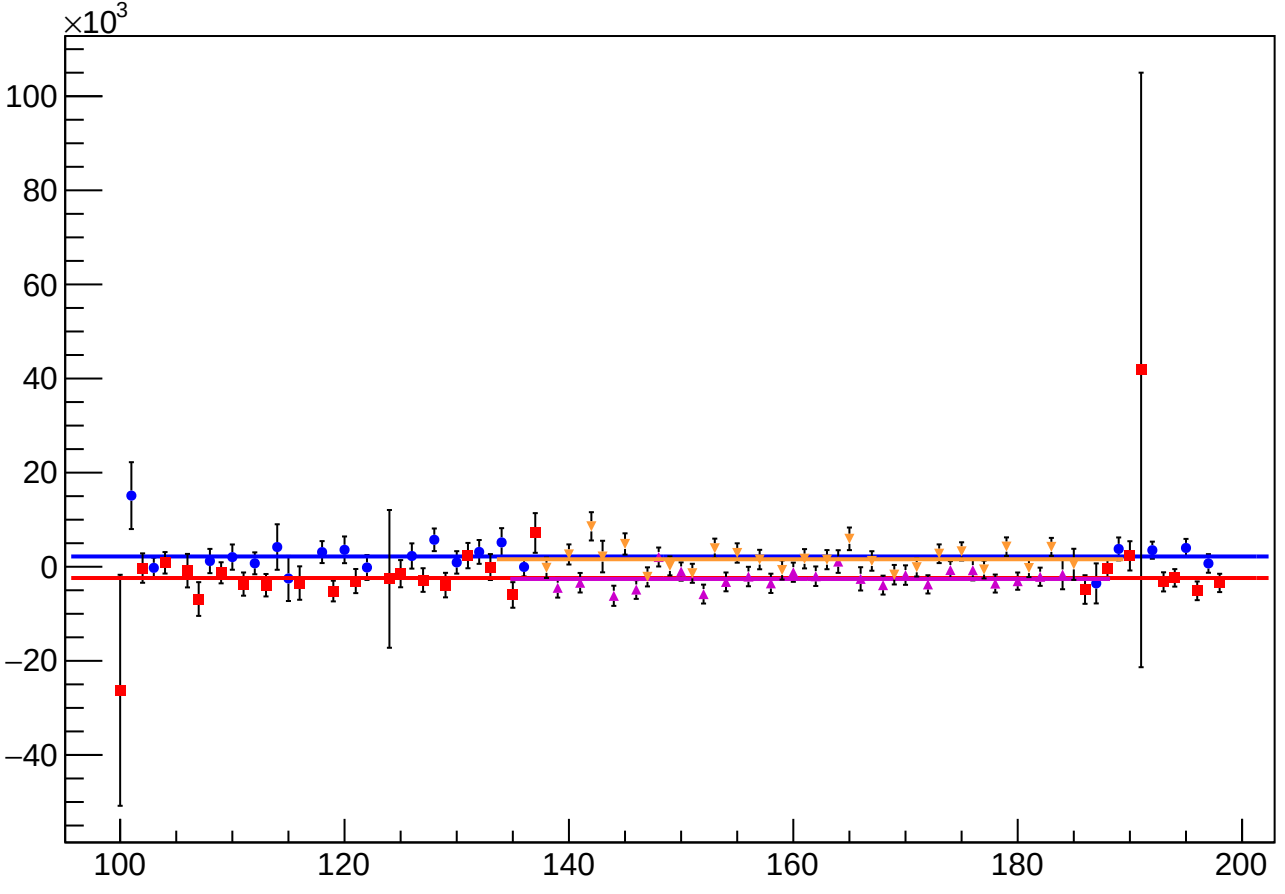
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2894.823+/-0.446 χ^2/NDF: 17265857.1/45

All: 2745.282+/-0.308 χ^2/NDF: 41464144.1/9

- sign 2608.971+/-0.426 χ^2/NDF: 23983426.0/49

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2183.244+/-550.888 χ^2/NDF: 16.4/20

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2394.376+/-509.836 χ^2/NDF: 25.8/26

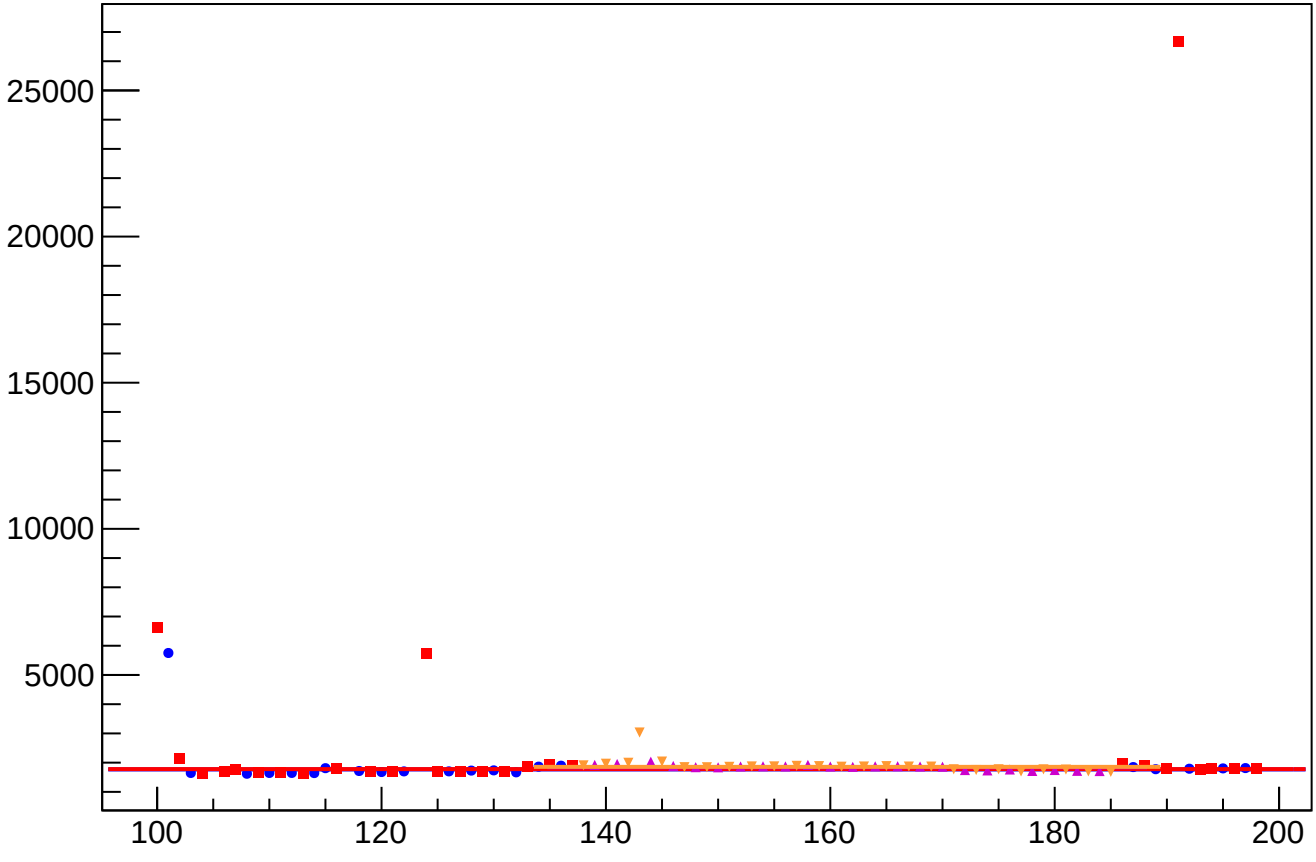
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1811.763+/-335.652 χ^2/NDF: 48.4/45

All: -395.099+/-234.893 χ^2/NDF: 179.2/95

- sign -2513.184+/-328.832 χ^2/NDF: 46.0/49

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.236+/-0.390 χ^2/NDF: 674687.7/20

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

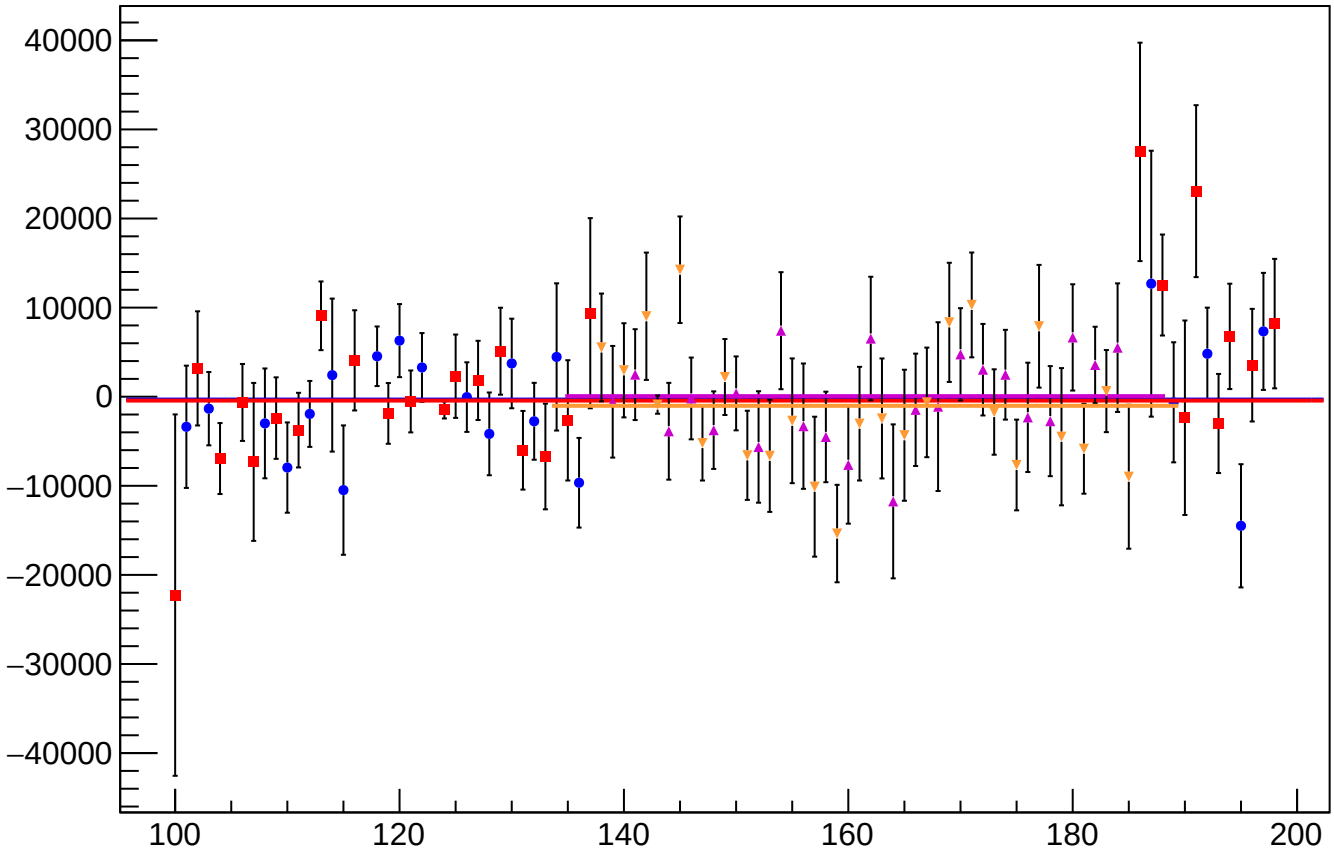
Right Out: 1778.781+/-0.360 χ^2/NDF: 630417.0/26

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1822.771+/-0.237 χ^2/NDF: 1031280.5/45

All: 1818.821+/-0.166 χ^2/NDF: 1750656.2/95

- sign 1815.038+/-0.232 χ^2/NDF: 718833.5/49



Right In: -321.408+/-1094.737 χ^2/NDF: 23.3/20

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -432.646+/-701.712 χ^2/NDF: 39.1/26

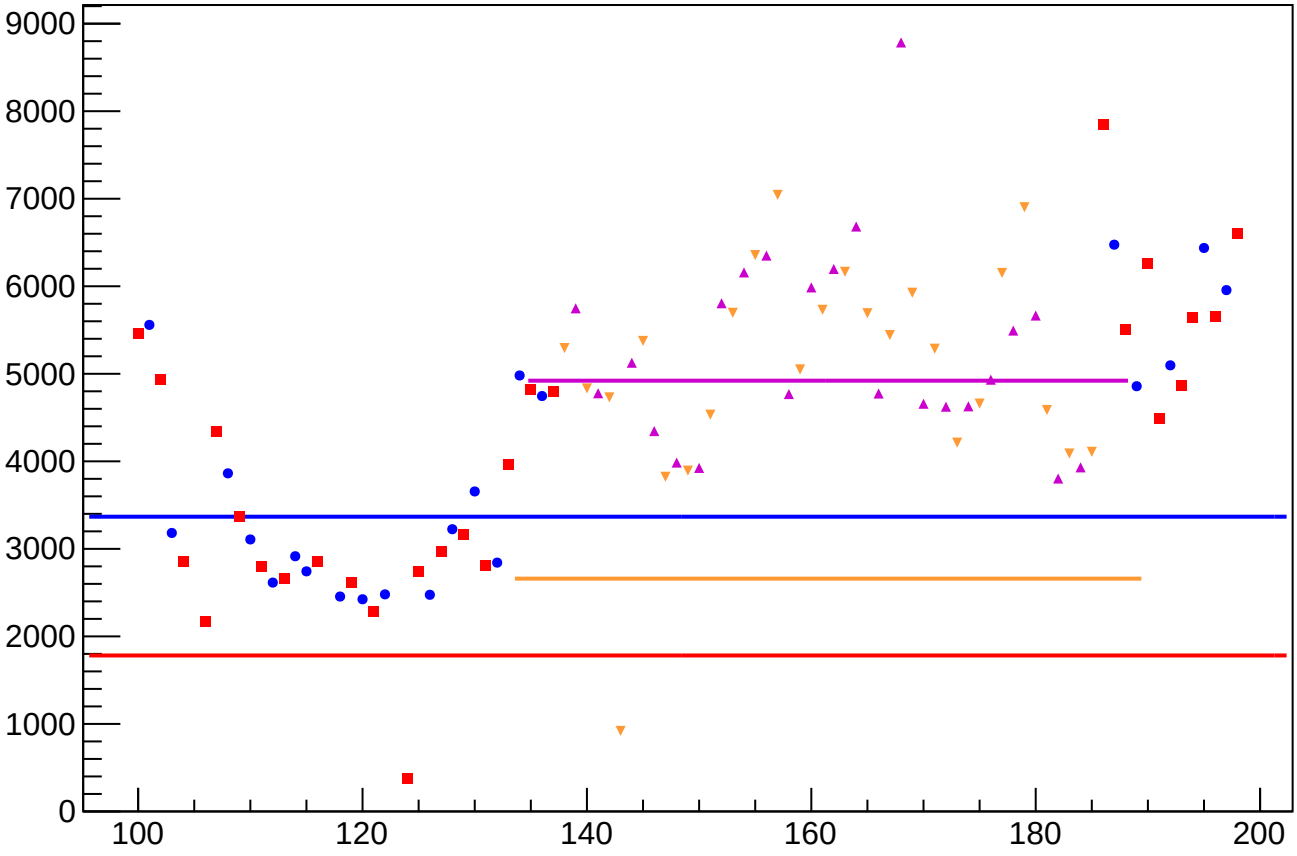
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -787.198+/-630.794 χ^2/NDF: 57.3/45

All: -533.515+/-435.594 χ^2/NDF: 109.9/95

- sign -302.277+/-602.243 χ^2/NDF: 52.3/49

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3367.458+/-0.774 χ^2/NDF: 2170967.8/20

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1782.064+/-0.496 χ^2/NDF: 12188542.3/26

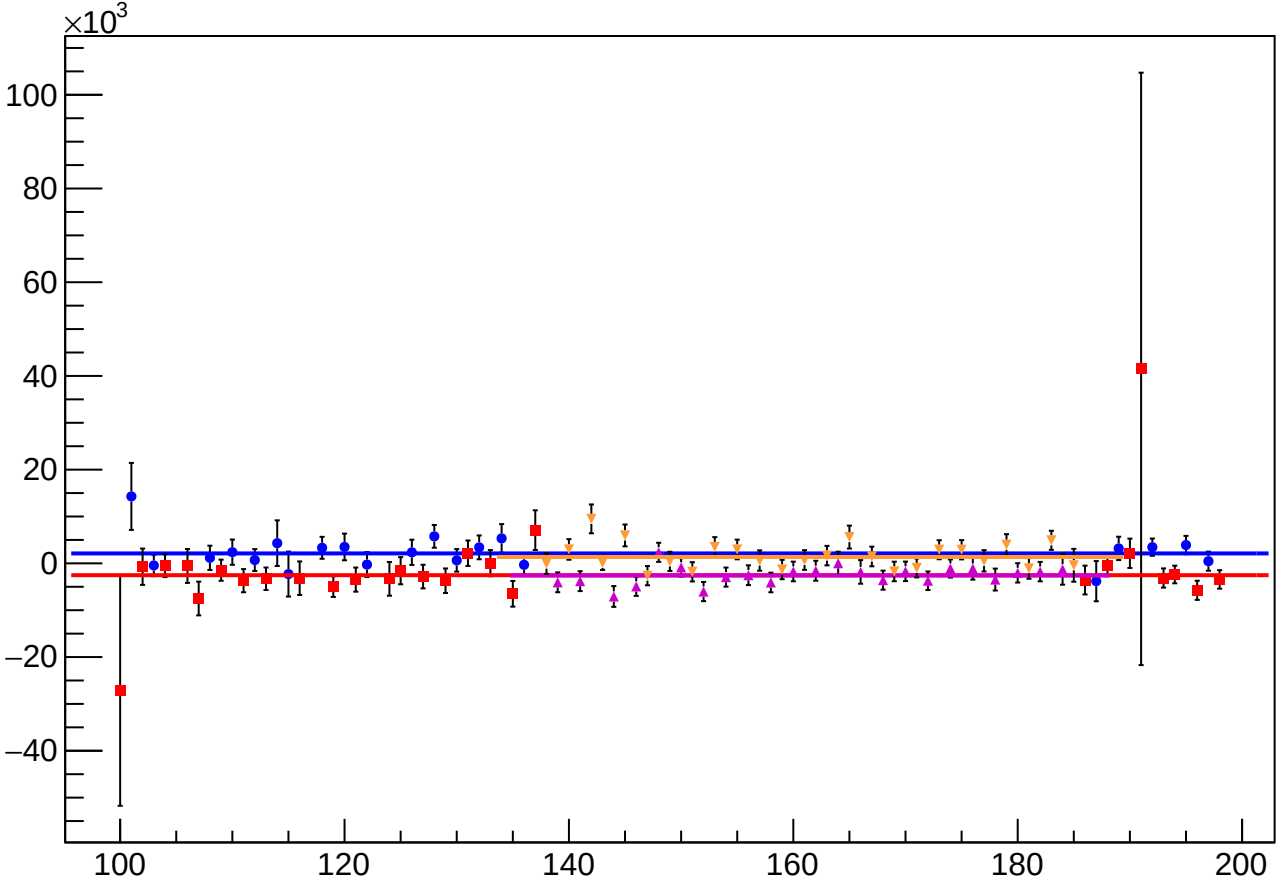
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2894.823+/-0.446 χ^2/NDF: 17265857.1/45

All: 2745.282+/-0.308 χ^2/NDF: 41464144.1/9

- sign 2608.971+/-0.426 χ^2/NDF: 23983426.0/49

dit_asym_atr1l2_avg_mean vs Slug



Right In: 2120.428+/-557.782 χ^2/NDF: 16.6/20

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2527.932+/-512.908 χ^2/NDF: 24.2/26

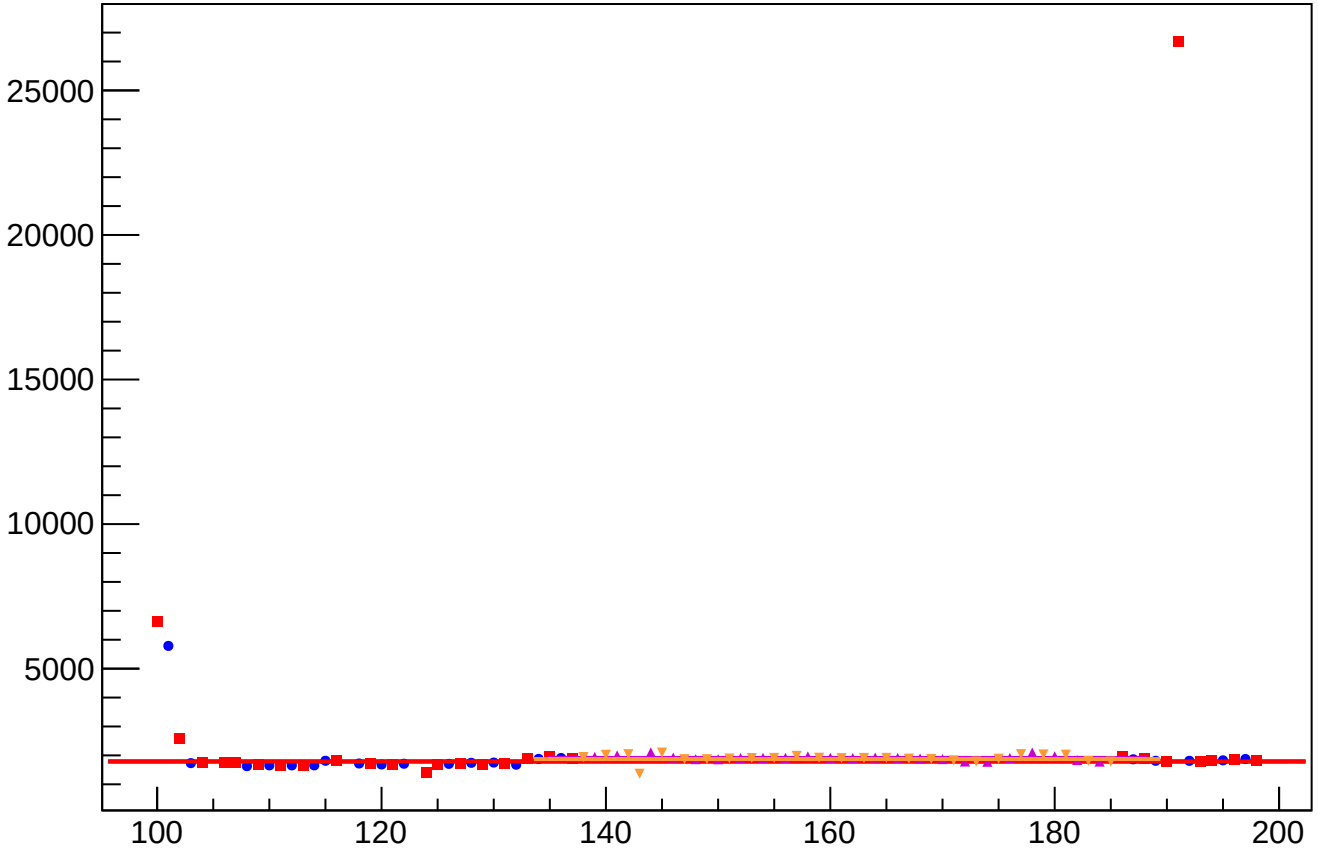
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1643.702+/-339.222 χ^2/NDF: 53.9/45

All: -478.043+/-239.032 χ^2/NDF: 175.8/95

- sign -2570.524+/-336.874 χ^2/NDF: 44.3/49

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1789.116+/-0.394 χ^2/NDF: 674618.1/20

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.444+/-0.362 χ^2/NDF: 554916.3/26

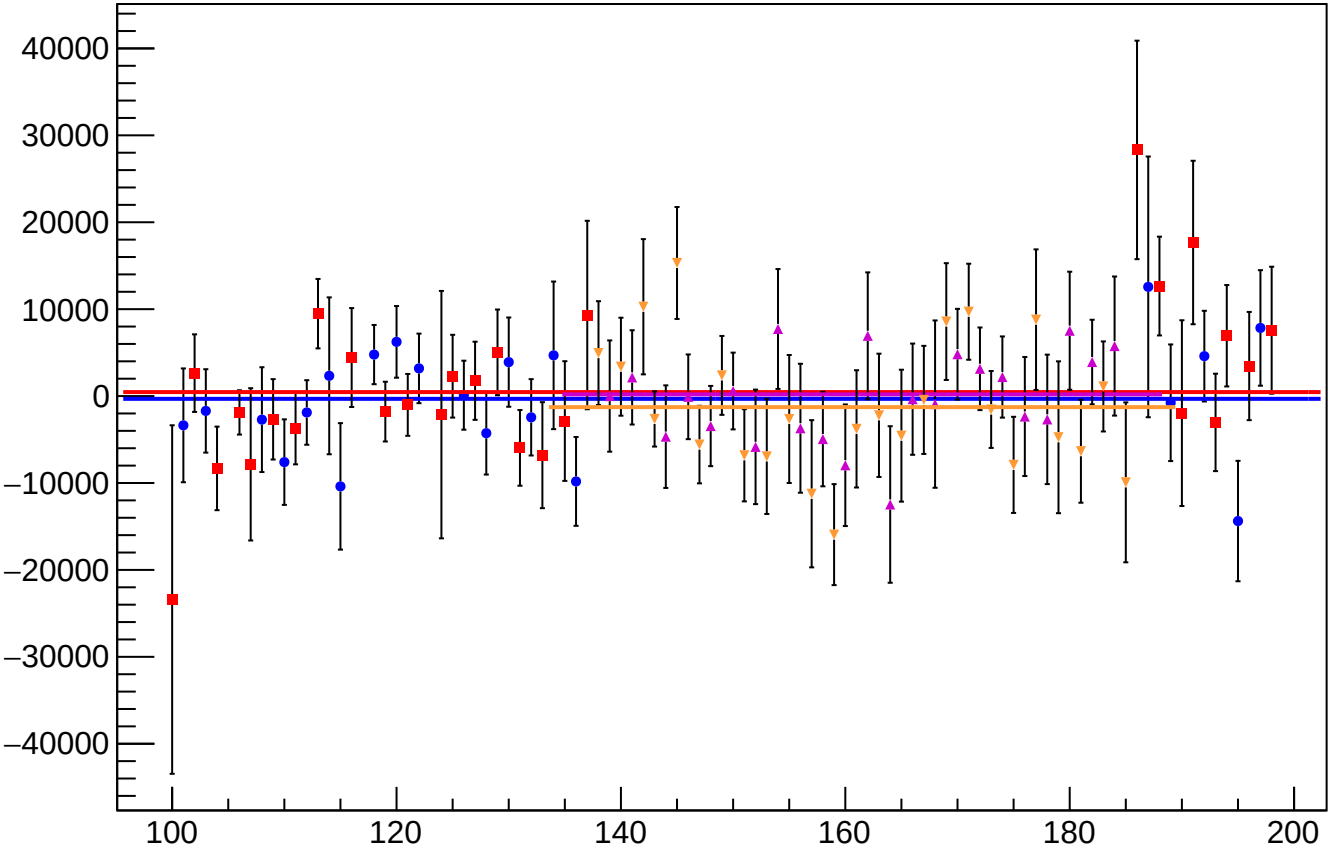
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1842.086+/-0.240 χ^2/NDF: 1012976.1/45

All: 1850.678+/-0.169 χ^2/NDF: 1692965.0/95

- sign 1859.140+/-0.238 χ^2/NDF: 677442.3/49

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -316.669+/-1115.897 χ^2/NDF: 23.0/20

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 460.705+/-981.783 χ^2/NDF: 35.8/26

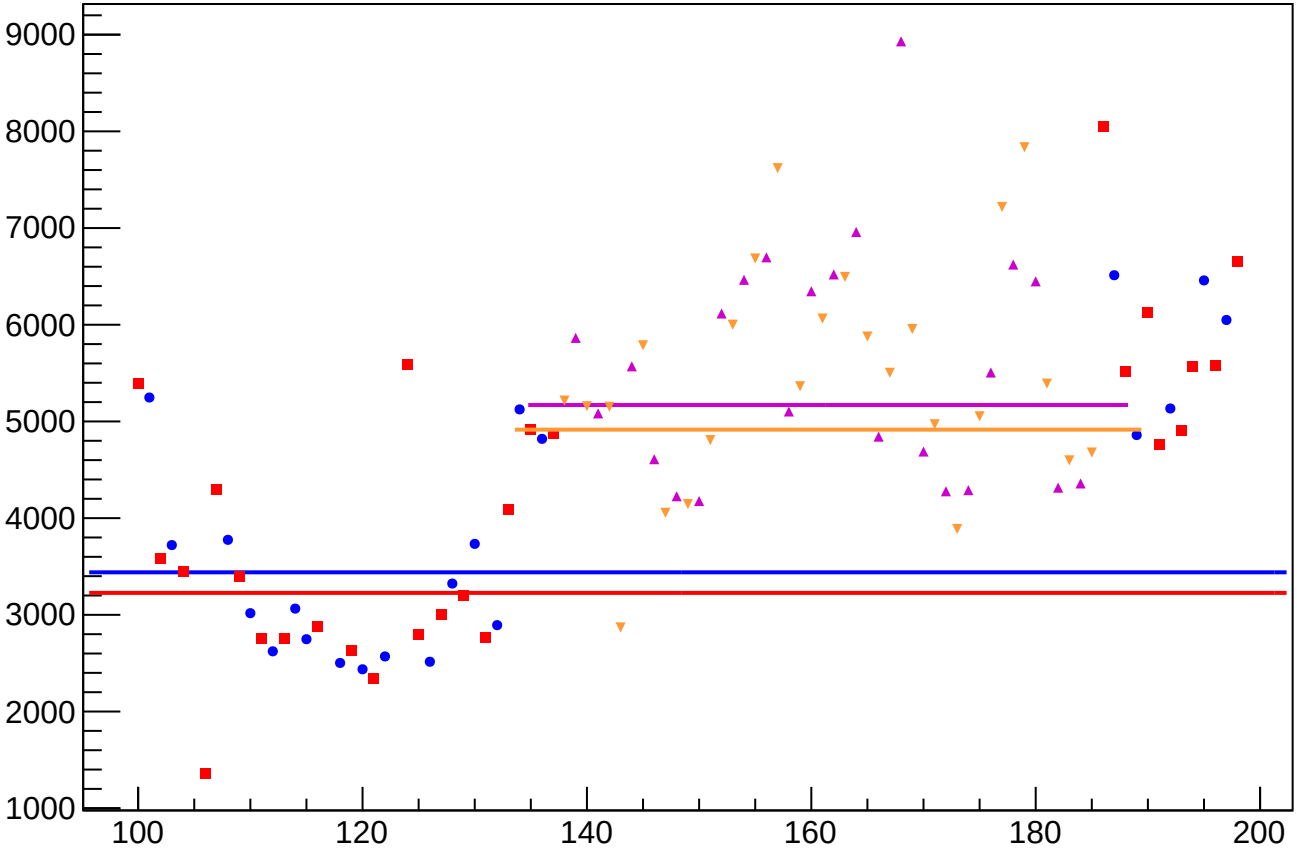
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -776.341+/-802.906 χ^2/NDF: 56.8/45

All: -184.019+/-555.145 χ^2/NDF: 106.3/95

- sign 358.508+/-768.416 χ^2/NDF: 48.5/49

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3439.718+/-0.789 χ^2/NDF: 2107139.8/20

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3227.176+/-0.694 χ^2/NDF: 3744831.1/26

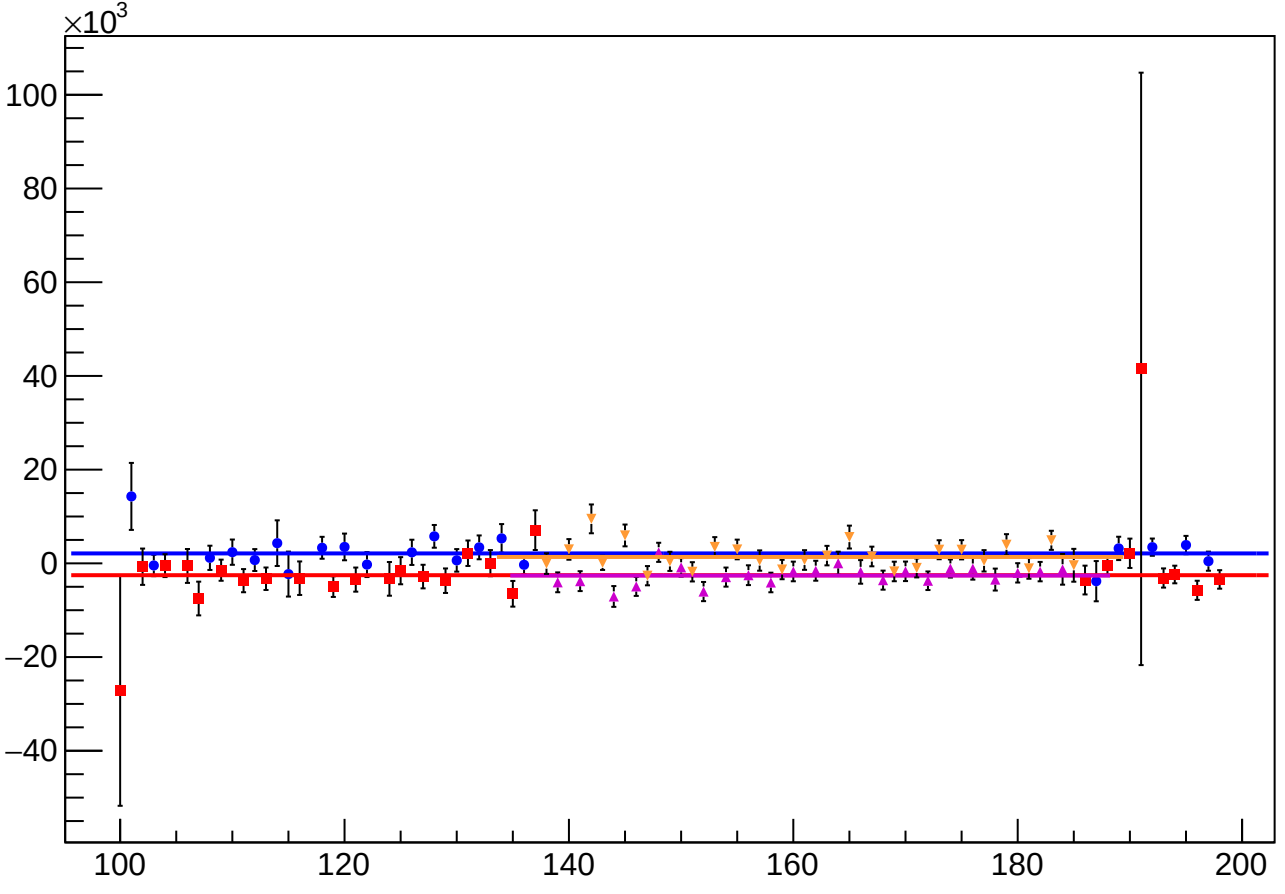
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4151.360+/-0.568 χ^2/NDF: 5959882.9/45

All: 4061.857+/-0.393 χ^2/NDF: 14135366.1/9

- sign 3979.879+/-0.543 χ^2/NDF: 8127867.2/49

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2120.427+/-557.782 χ^2/NDF: 16.6/20

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2527.931+/-512.908 χ^2/NDF: 24.2/26

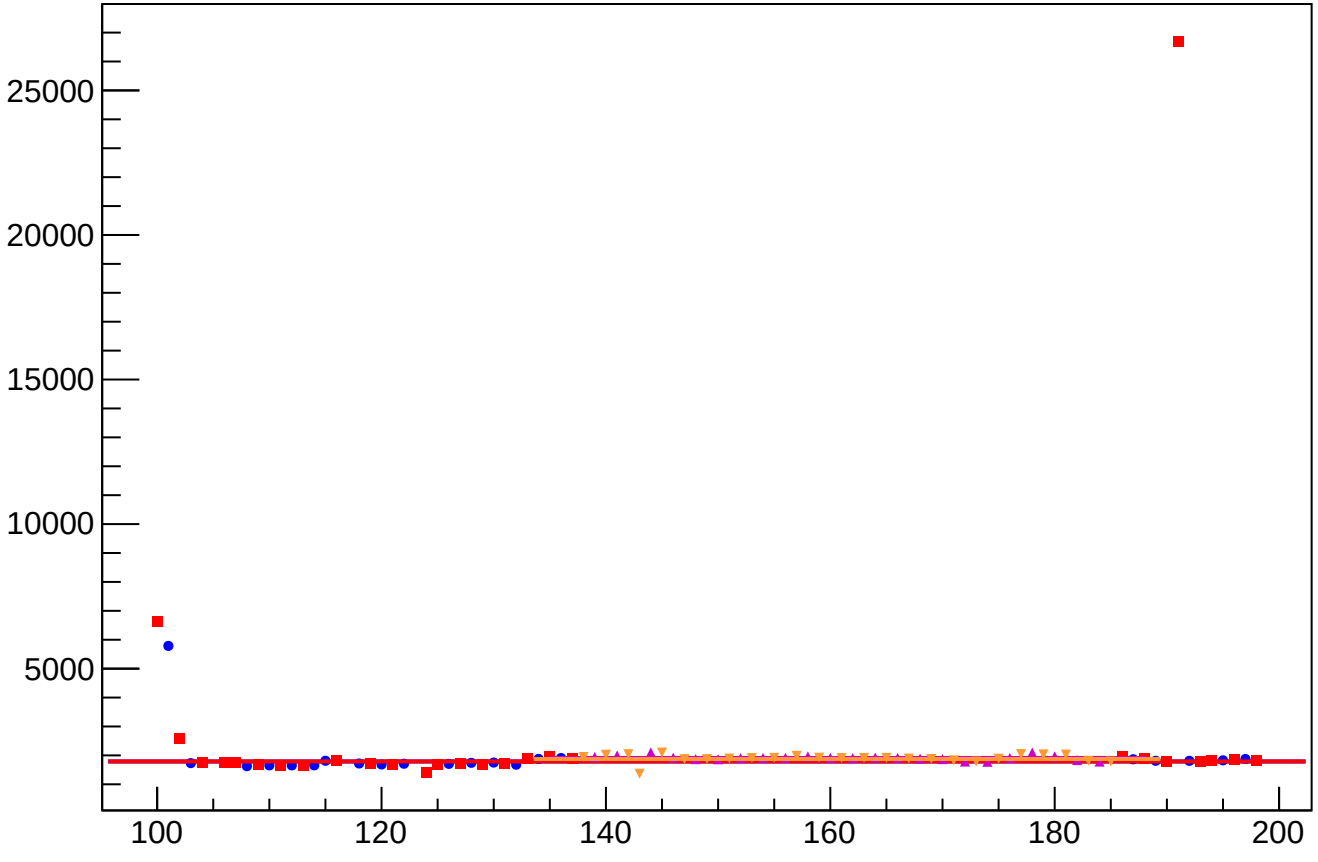
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1643.700+/-339.222 χ^2/NDF: 53.9/45

All: -478.043+/-239.032 χ^2/NDF: 175.8/95

- sign -2570.522+/-336.875 χ^2/NDF: 44.3/49

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1789.116+/-0.394 χ^2/NDF: 674618.1/20

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1790.444+/-0.362 χ^2/NDF: 554916.3/26

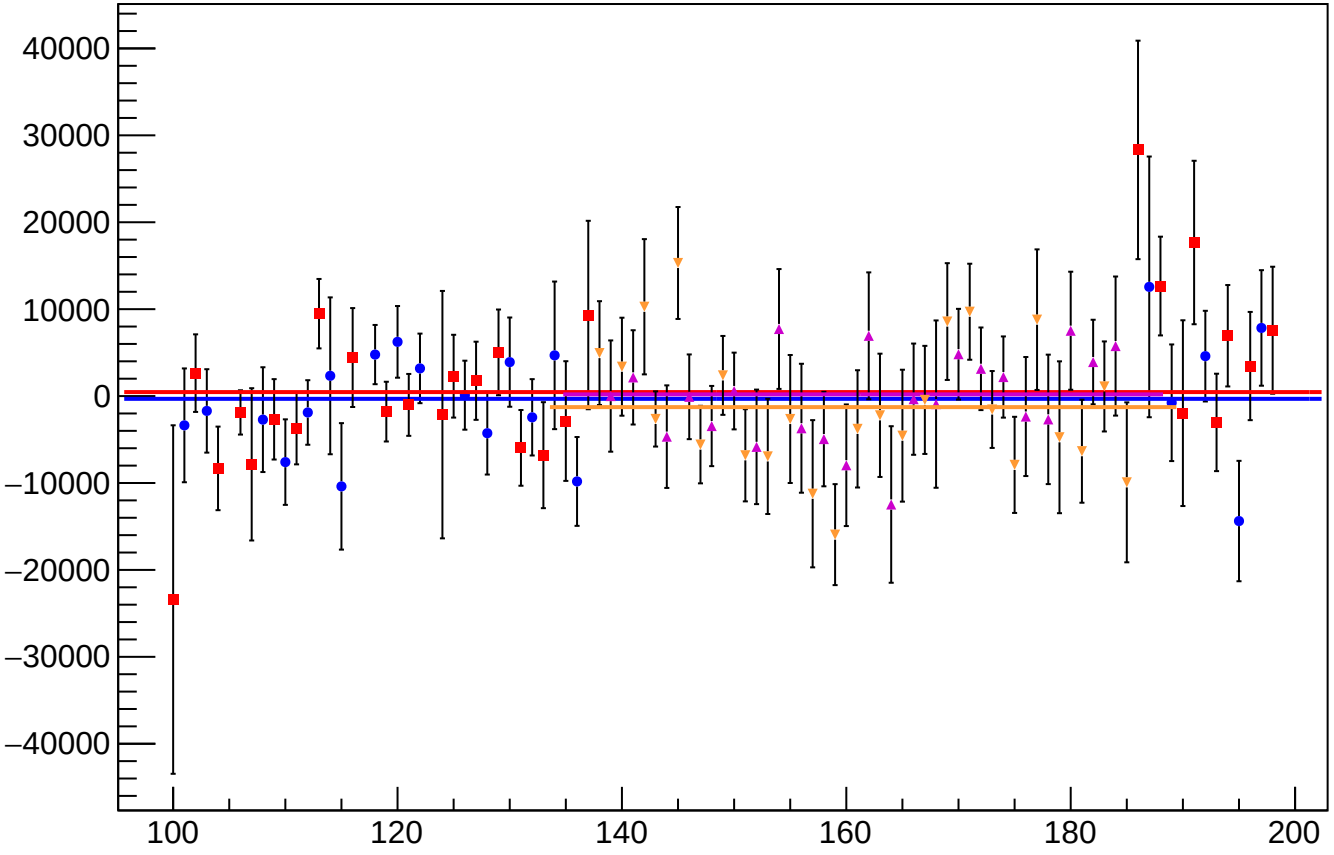
Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1842.087+/-0.240 χ^2/NDF: 1012980.3/45

All: 1850.679+/-0.169 χ^2/NDF: 1692972.6/95

- sign 1859.140+/-0.238 χ^2/NDF: 677445.7/49

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -316.663+/-1115.894 χ^2/NDF: 23.0/20

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 460.697+/-981.780 χ^2/NDF: 35.8/26

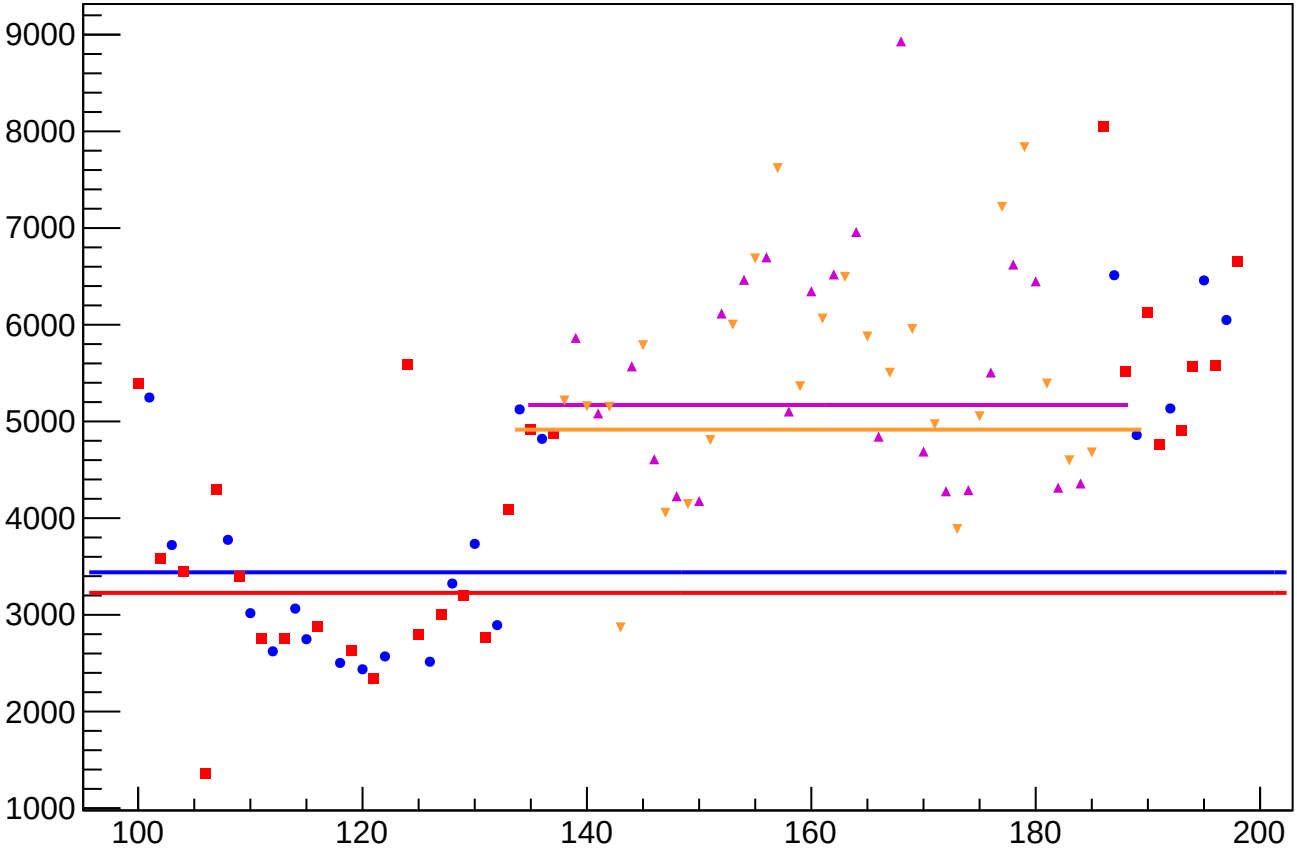
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

\+ sign -776.340+/-802.905 χ^2/NDF: 56.8/45

All: -184.020+/-555.144 χ^2/NDF: 106.3/95

\- sign 358.504+/-768.415 χ^2/NDF: 48.5/49

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3439.707+/-0.789 χ^2/NDF: 2107167.7/20

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3227.162+/-0.694 χ^2/NDF: 3744879.1/26

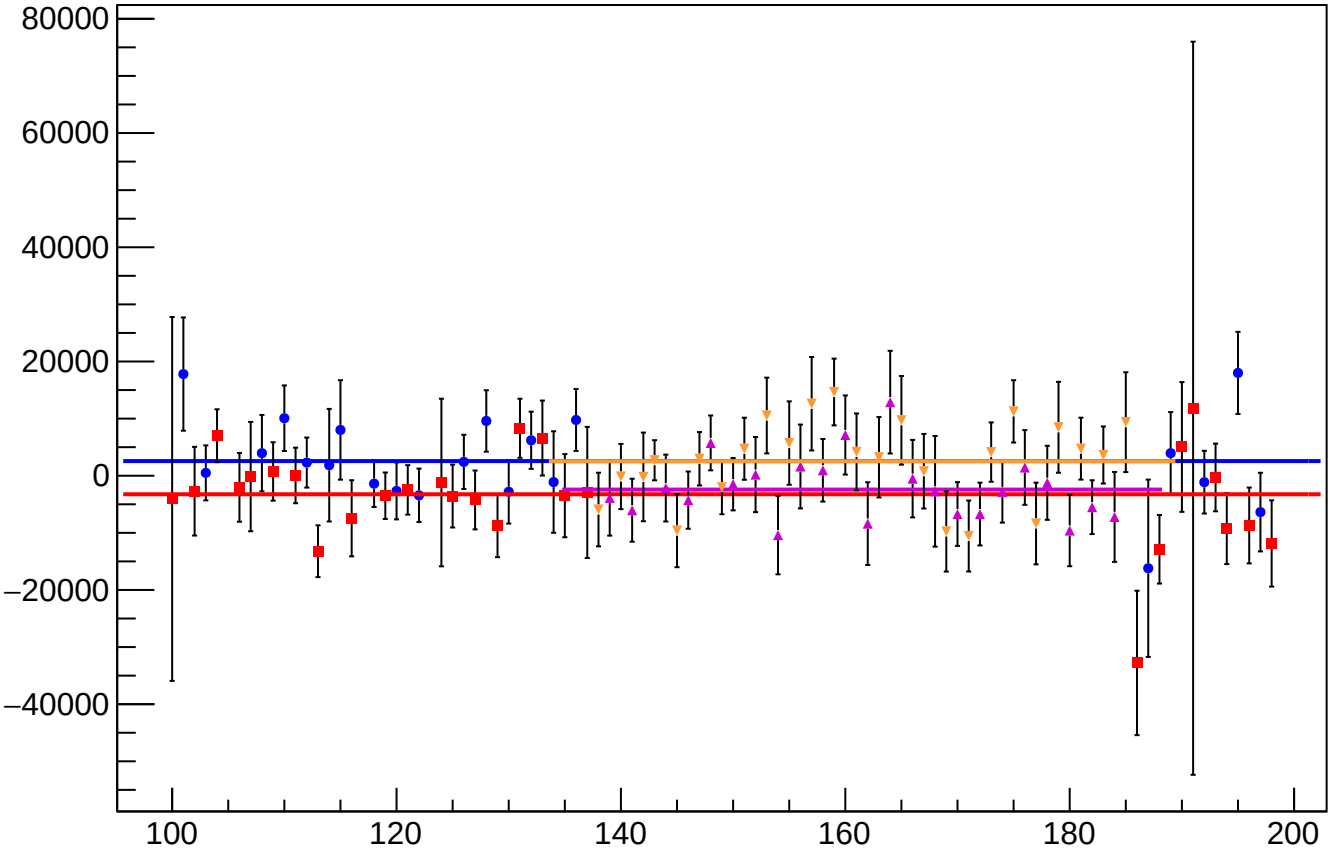
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4151.354+/-0.568 χ^2/NDF: 5959960.0/45

All: 4061.849+/-0.393 χ^2/NDF: 14135563.1/9

- sign 3979.869+/-0.543 χ^2/NDF: 8127984.9/49

asym_atr1l2_avg_mean vs Slug



Right In: 2565.360+/-1267.627 χ^2/NDF: 21.7/20

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3245.287+/-1195.713 χ^2/NDF: 31.4/26

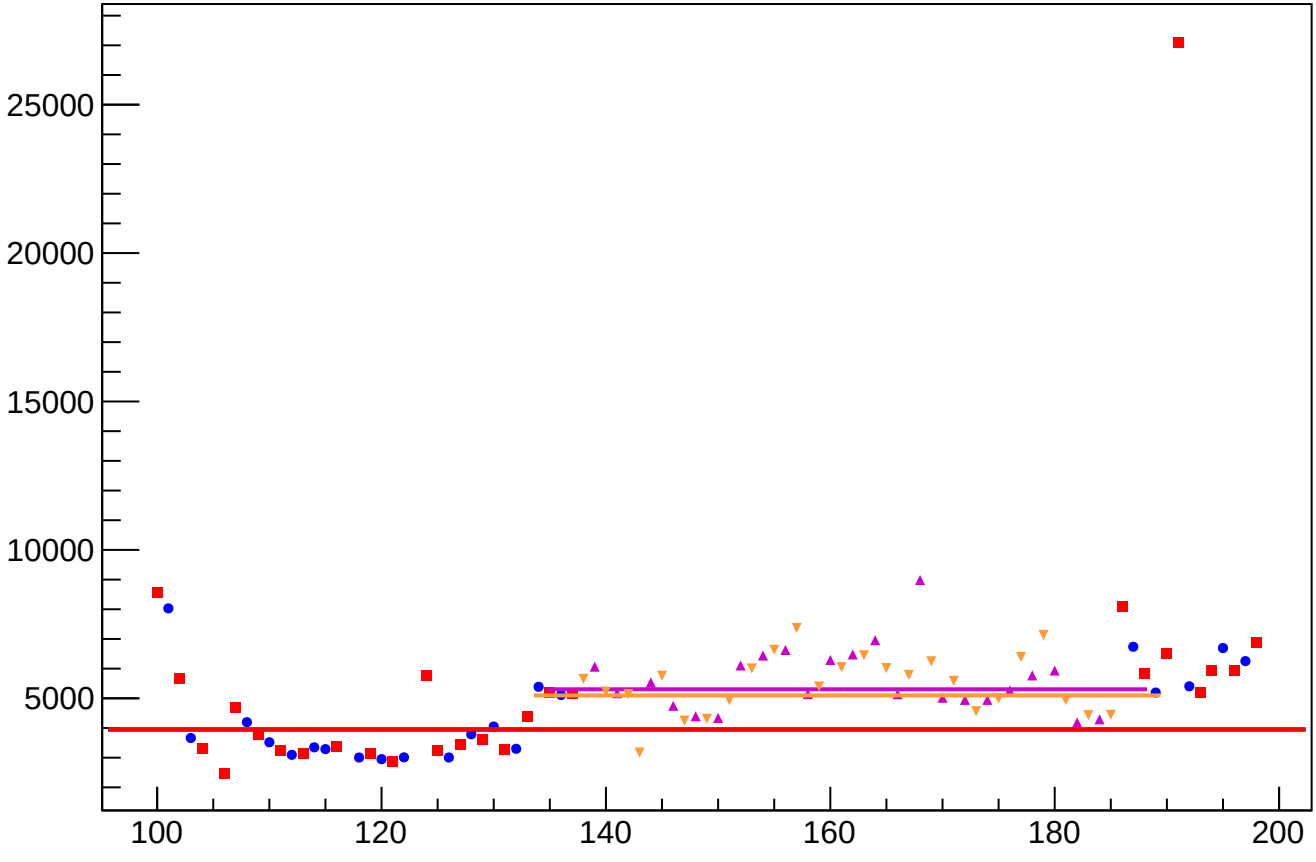
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2555.621+/-866.698 χ^2/NDF: 50.8/45

All: -148.334+/-613.033 χ^2/NDF: 116.9/95

- sign -2855.550+/-867.220 χ^2/NDF: 46.7/49

asym_atr1l2_avg_rms vs Slug



Right In: 3943.240+/-0.896 χ^2/NDF: 1762989.9/20

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

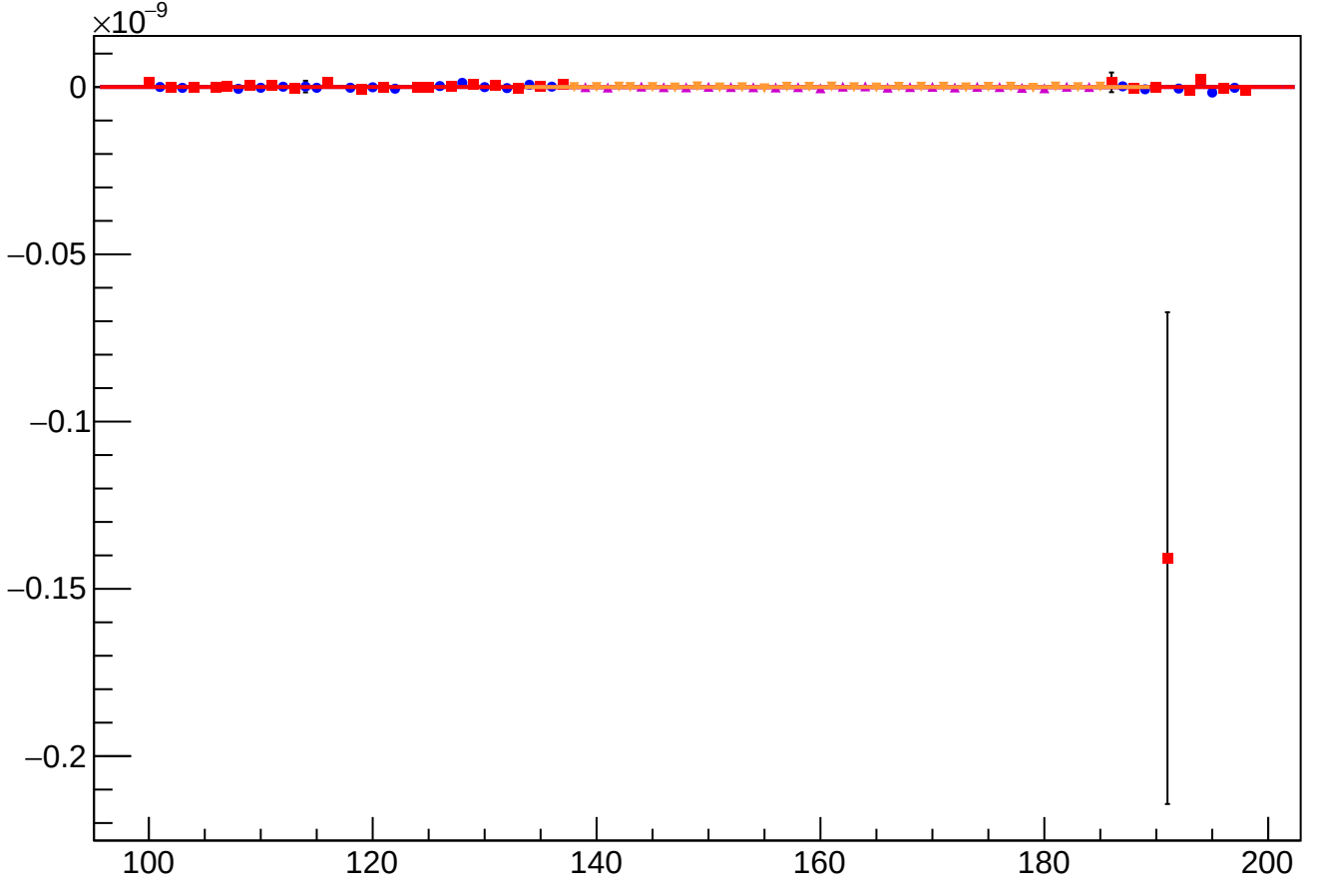
Right Out: 3961.225+/-0.835 χ^2/NDF: 2488771.3/26

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4558.183+/-0.613 χ^2/NDF: 4191213.8/45

All: 4573.926+/-0.432 χ^2/NDF: 8909040.0/95

- sign 4589.485+/-0.609 χ^2/NDF: 4716514.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

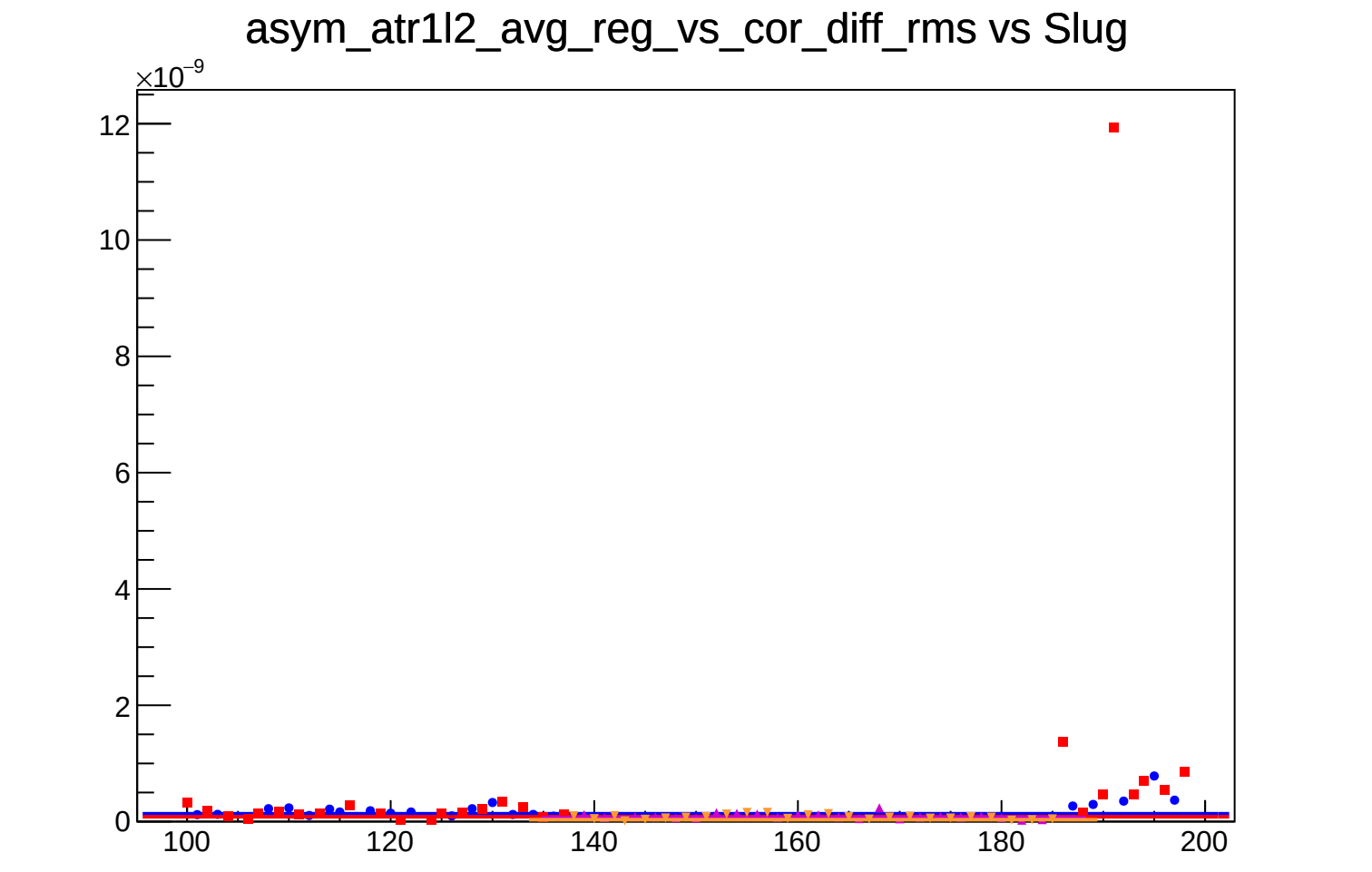
Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/26

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/45

All: 0.000+/-0.000 χ^2/NDF: 95.7/95

- sign 0.000+/-0.000 χ^2/NDF: 58.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 1892693.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5436812.7/26

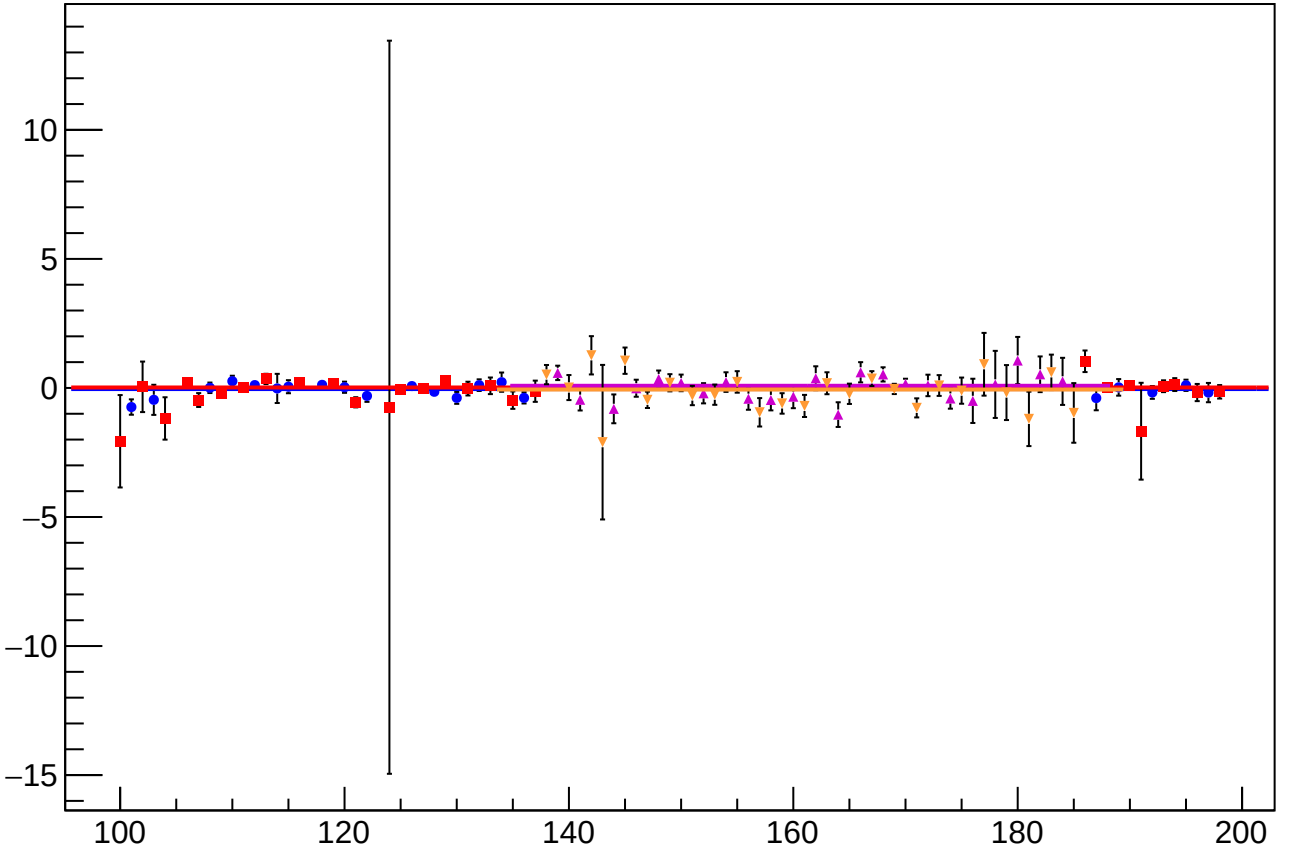
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11901523.8/45

All: 0.000+/-0.000 χ^2/NDF: 22314170.5/95

- sign 0.000+/-0.000 χ^2/NDF: 8023202.8/49

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.043 χ^2/NDF: 36.7/26

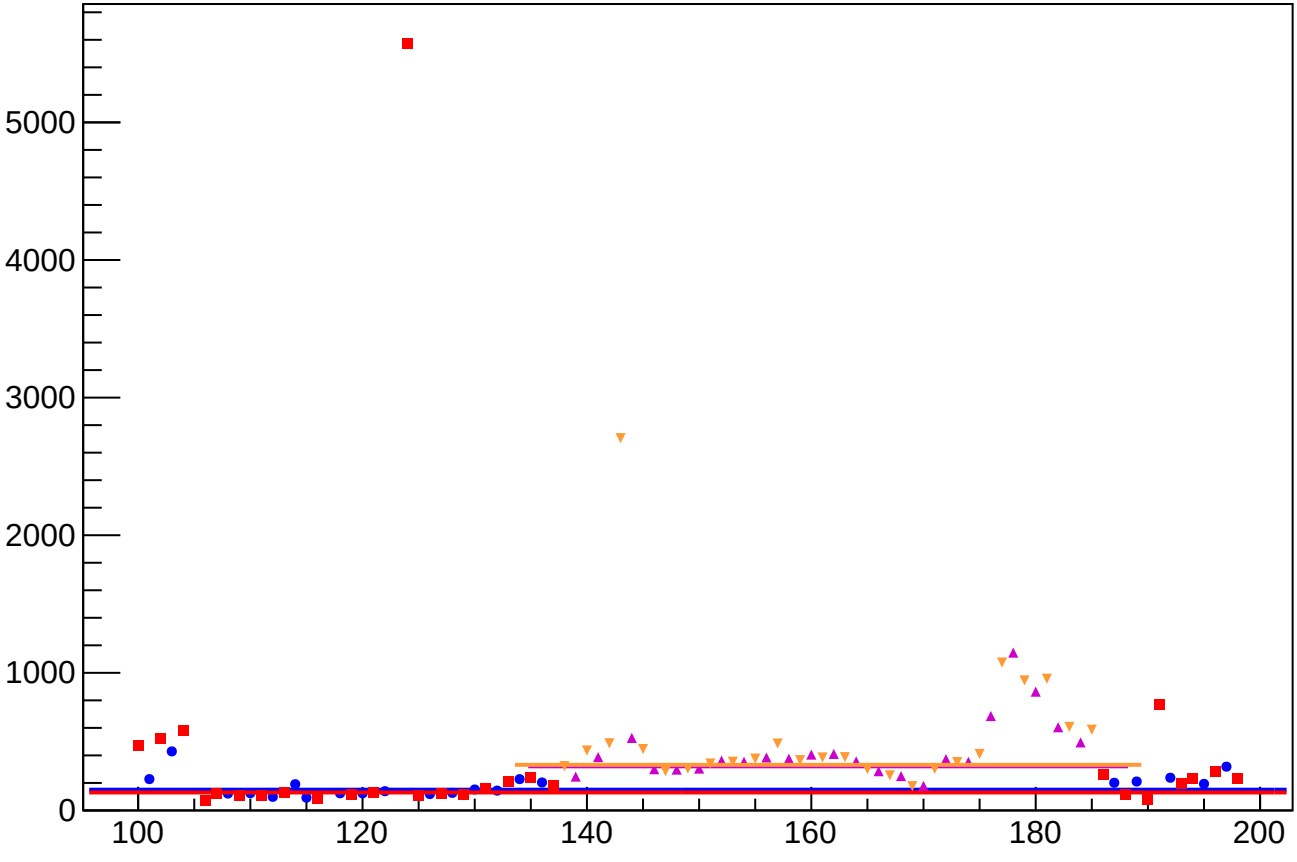
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.044 χ^2/NDF: 50.2/45

All: -0.002+/-0.029 χ^2/NDF: 116.3/95

- sign 0.032+/-0.038 χ^2/NDF: 64.2/49

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 150.822+/-0.036 χ^2/NDF: 2197673.8/20

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 130.741+/-0.030 χ^2/NDF: 4087960.9/26

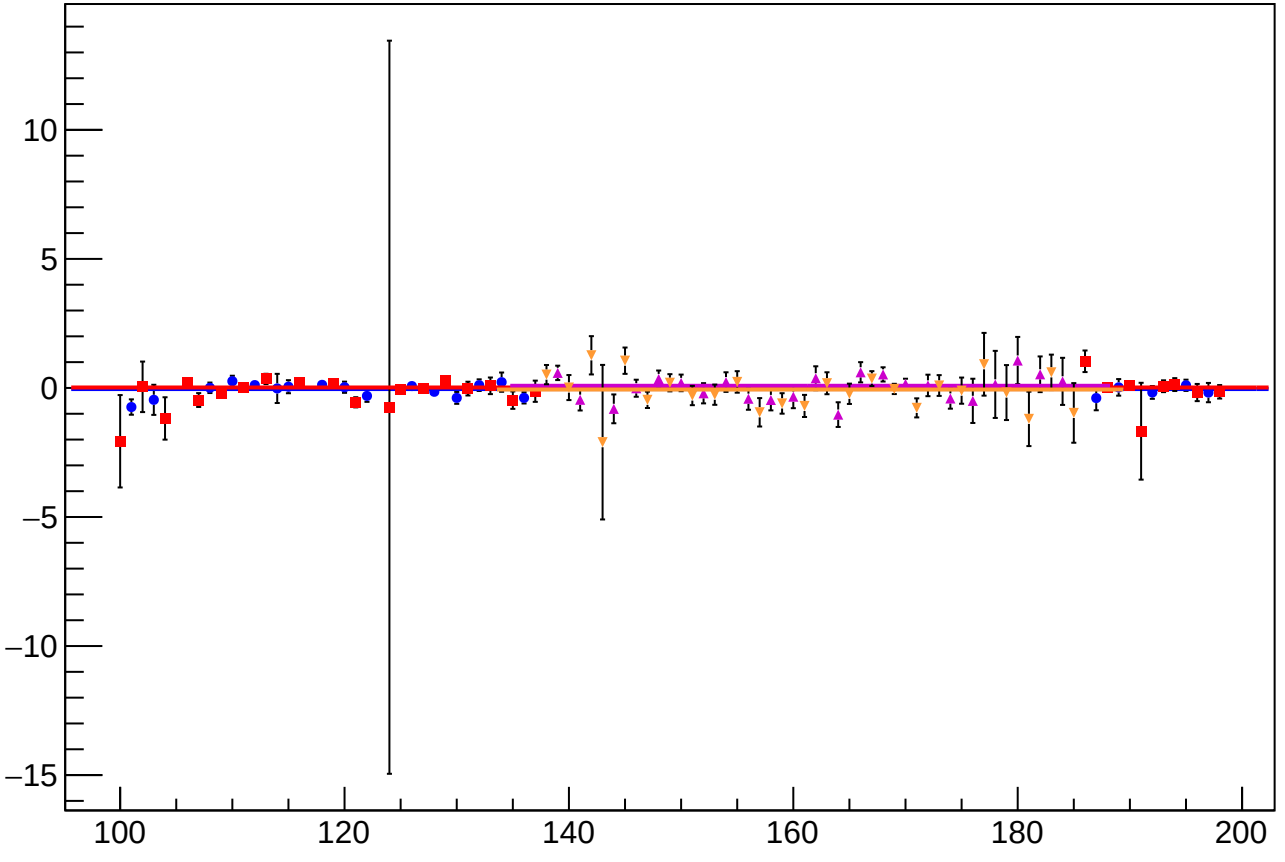
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 200.243+/-0.031 χ^2/NDF: 14820791.0/45

All: 184.124+/-0.020 χ^2/NDF: 32211845.5/95

- sign 172.066+/-0.027 χ^2/NDF: 16916566.1/49

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.043 χ^2/NDF: 36.7/26

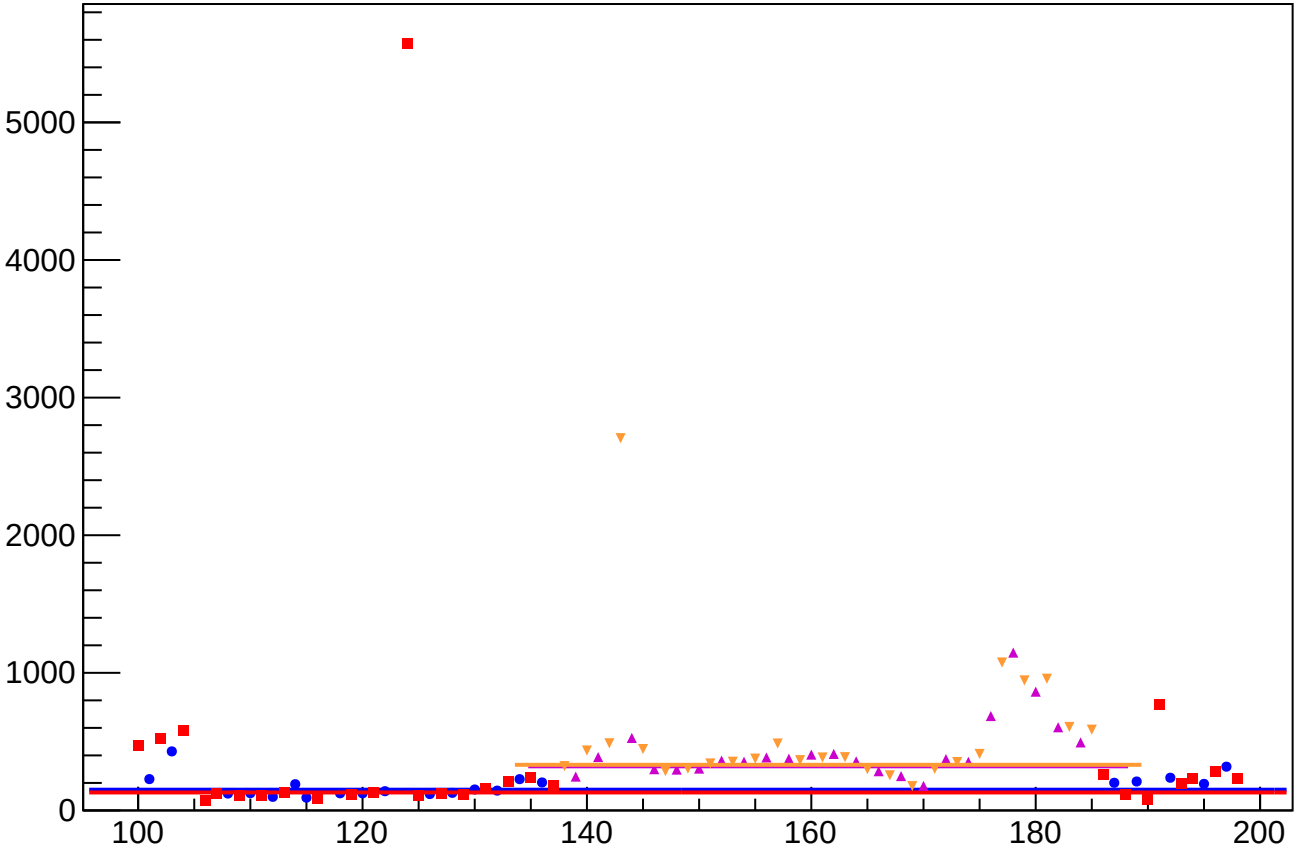
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.044 χ^2/NDF: 50.2/45

All: -0.002+/-0.029 χ^2/NDF: 116.3/95

- sign 0.032+/-0.038 χ^2/NDF: 64.2/49

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 150.822+/-0.036 χ^2/NDF: 2197673.8/20

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

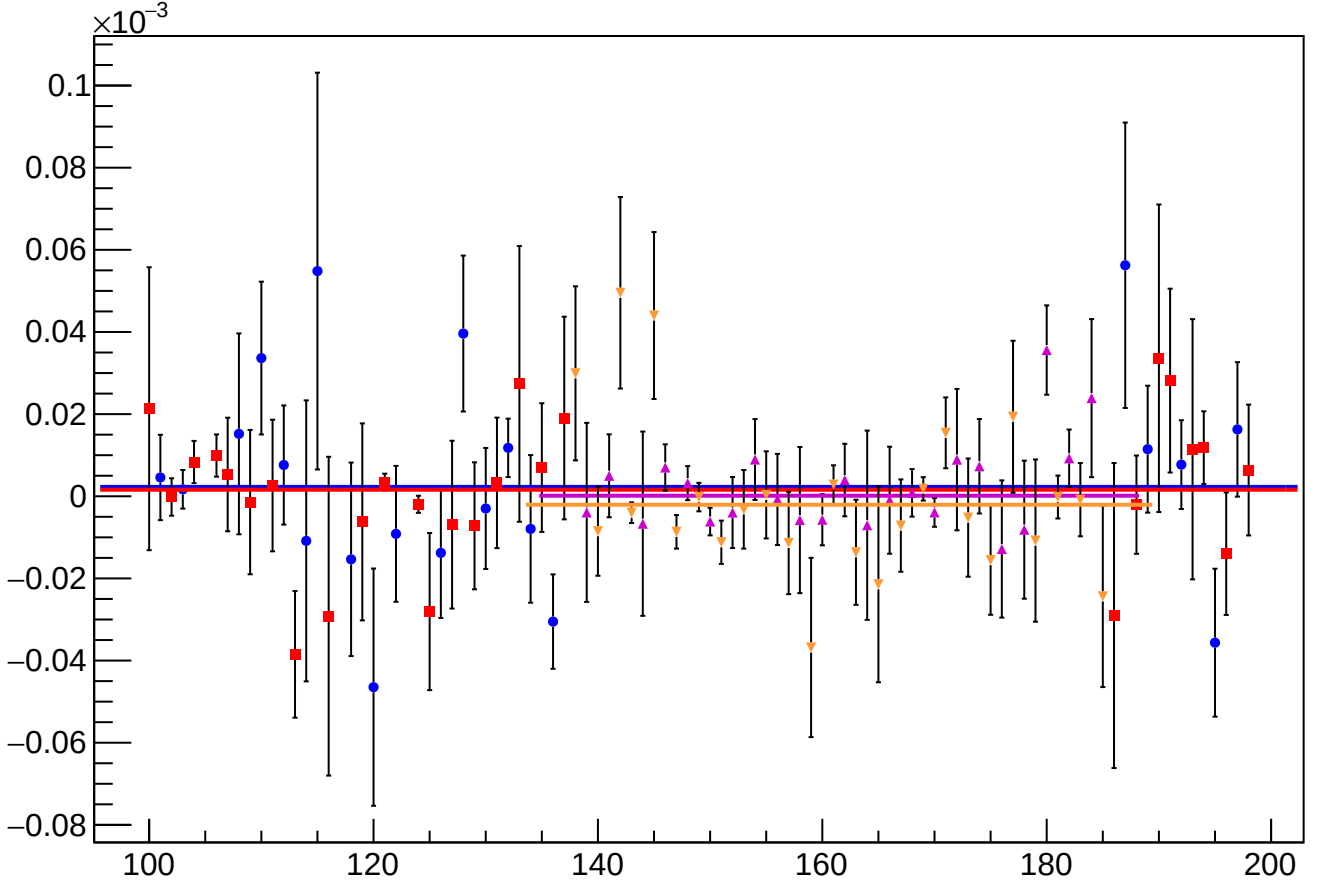
Right Out: 130.741+/-0.030 χ^2/NDF: 4087960.9/26

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 200.243+/-0.031 χ^2/NDF: 14820791.0/45

All: 184.124+/-0.020 χ^2/NDF: 32211845.5/95

- sign 172.066+/-0.027 χ^2/NDF: 16916566.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 32.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

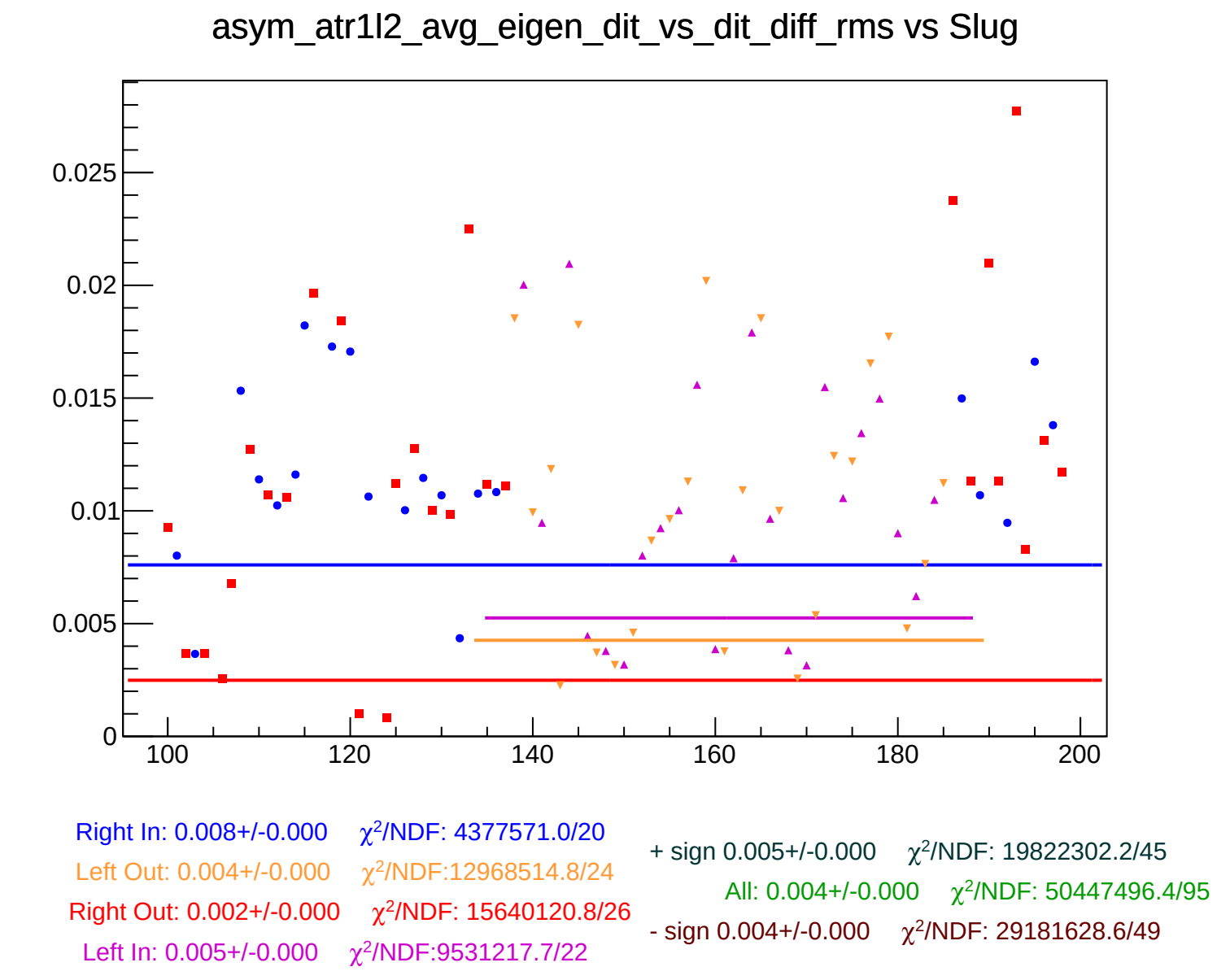
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/26

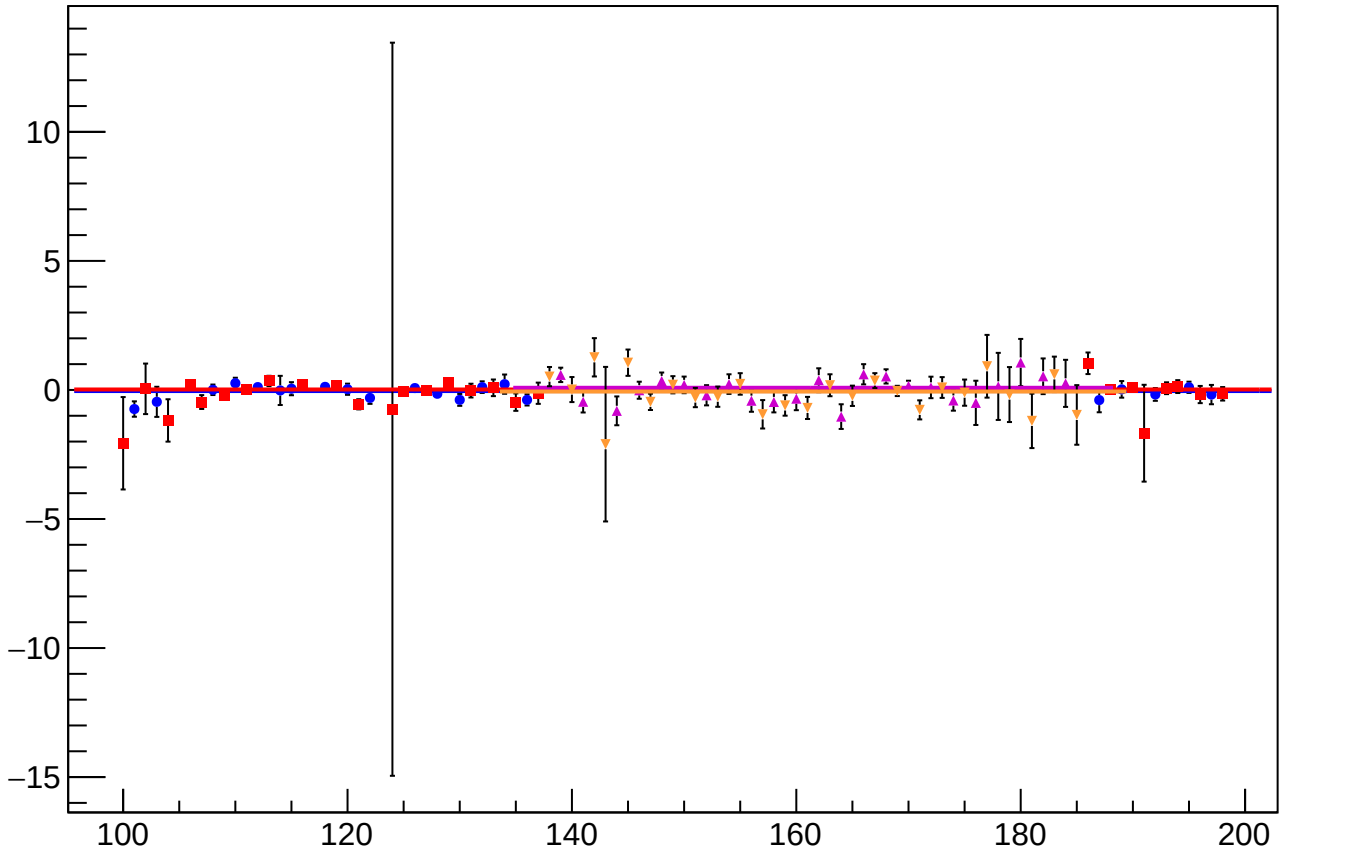
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.9/45

All: 0.000+/-0.000 χ^2/NDF: 122.6/95

- sign 0.000+/-0.000 χ^2/NDF: 51.2/49


asym_atr1l2_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: 0.008+/-0.000 χ²/NDF: 4377571.0/20
Left Out: 0.004+/-0.000 χ²/NDF:12968514.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 15640120.8/26
Left In: 0.005+/-0.000 χ²/NDF:9531217.7/22
+ sign 0.005+/-0.000 χ²/NDF: 19822302.2/45
All: 0.004+/-0.000 χ²/NDF: 50447496.4/95
- sign 0.004+/-0.000 χ²/NDF: 29181628.6/49



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.043 χ^2/NDF: 36.7/26

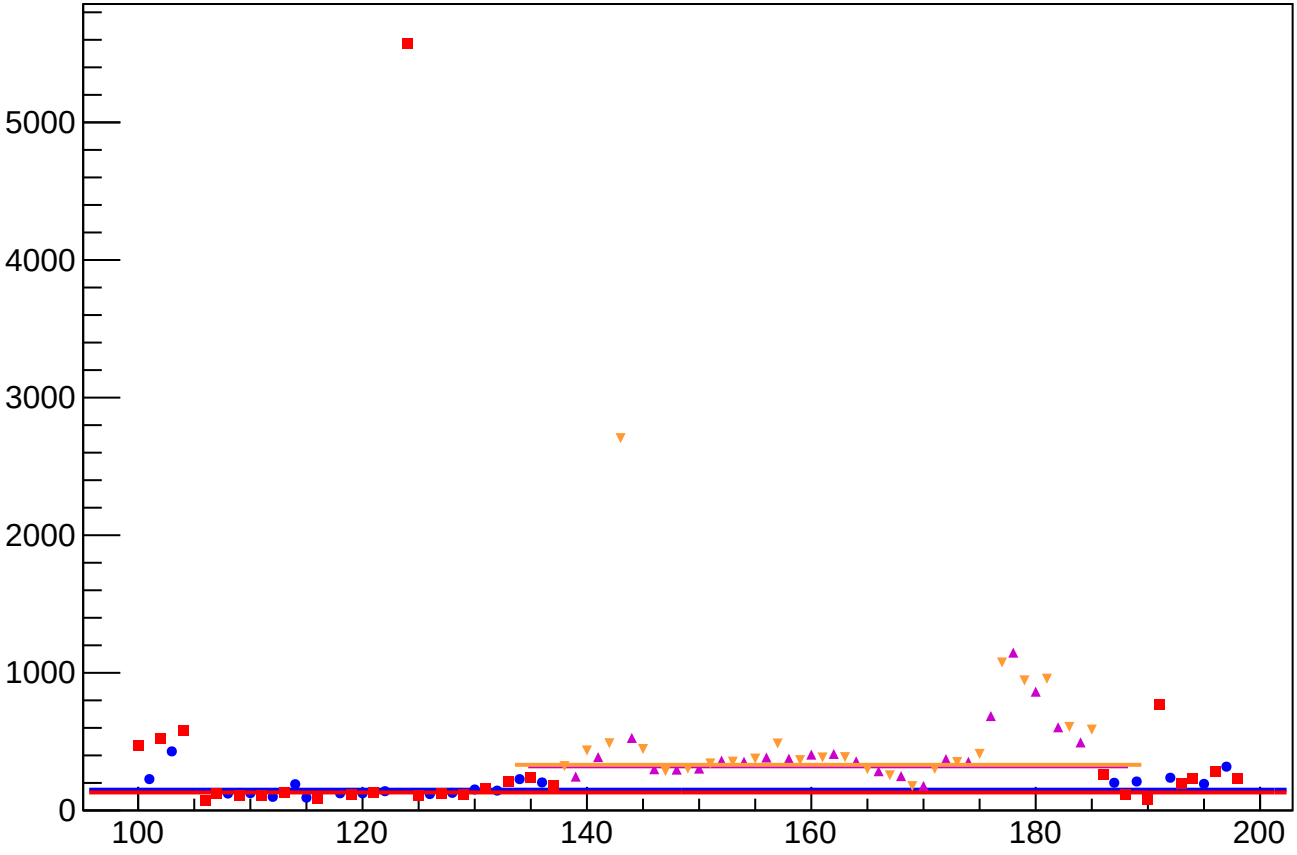
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.044 χ^2/NDF: 50.2/45

All: -0.002+/-0.029 χ^2/NDF: 116.3/95

- sign 0.032+/-0.038 χ^2/NDF: 64.2/49

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 150.823+/-0.036 χ^2/NDF: 2197590.8/20

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

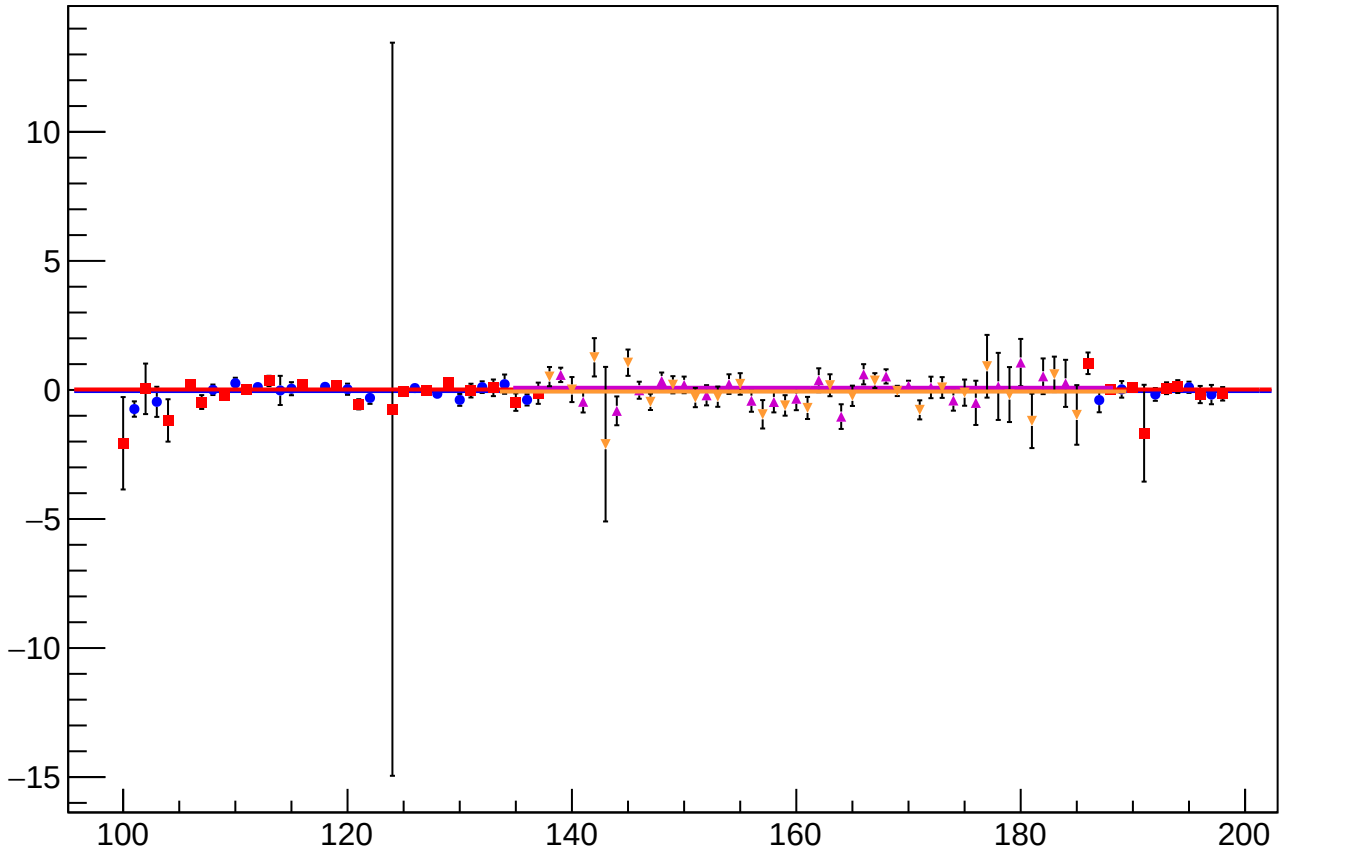
Right Out: 130.741+/-0.030 χ^2/NDF: 4087922.0/26

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 200.244+/-0.031 χ^2/NDF: 14820766.0/45

All: 184.125+/-0.020 χ^2/NDF: 32212018.7/95

- sign 172.066+/-0.027 χ^2/NDF: 16916716.8/49



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

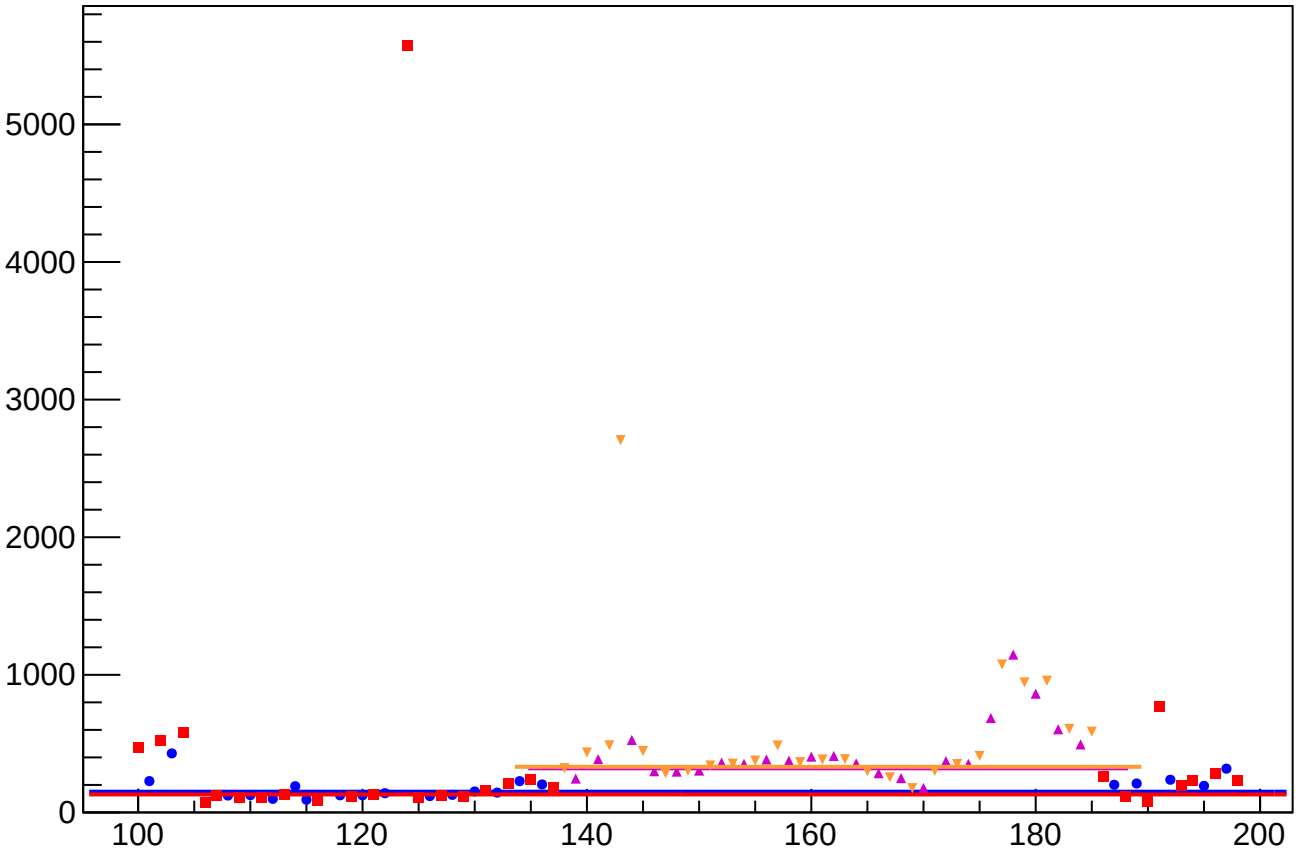
Right Out: 0.018+/-0.043 χ^2/NDF: 36.7/26

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.044 χ^2/NDF: 50.2/45

All: -0.002+/-0.029 χ^2/NDF: 116.3/95

- sign 0.032+/-0.038 χ^2/NDF: 64.2/49



Right In: 150.823+/-0.036 χ^2/NDF: 2197590.8/20

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 130.741+/-0.030 χ^2/NDF: 4087922.0/26

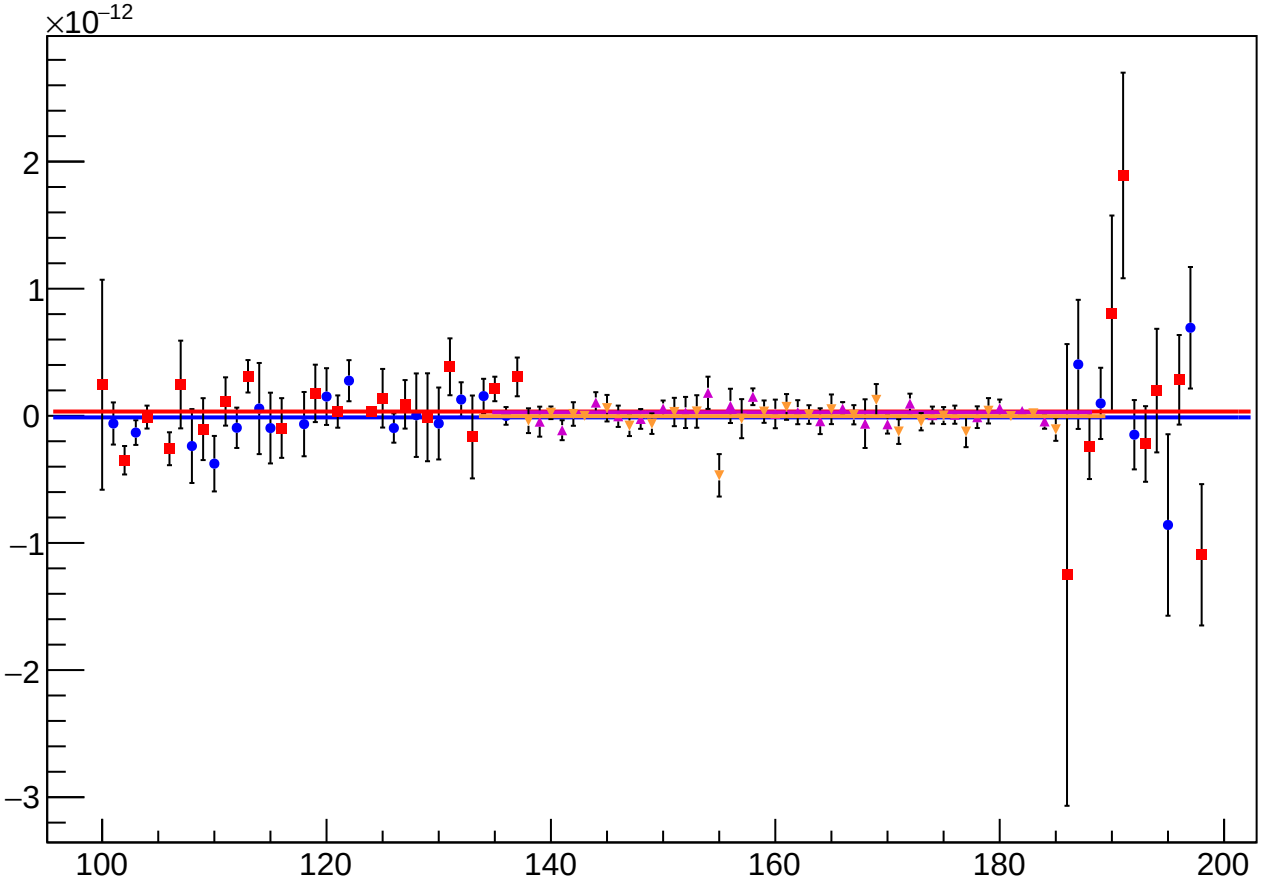
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 200.244+/-0.031 χ^2/NDF: 14820766.0/45

All: 184.125+/-0.020 χ^2/NDF: 32212018.7/95

- sign 172.066+/-0.027 χ^2/NDF: 16916716.8/49

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

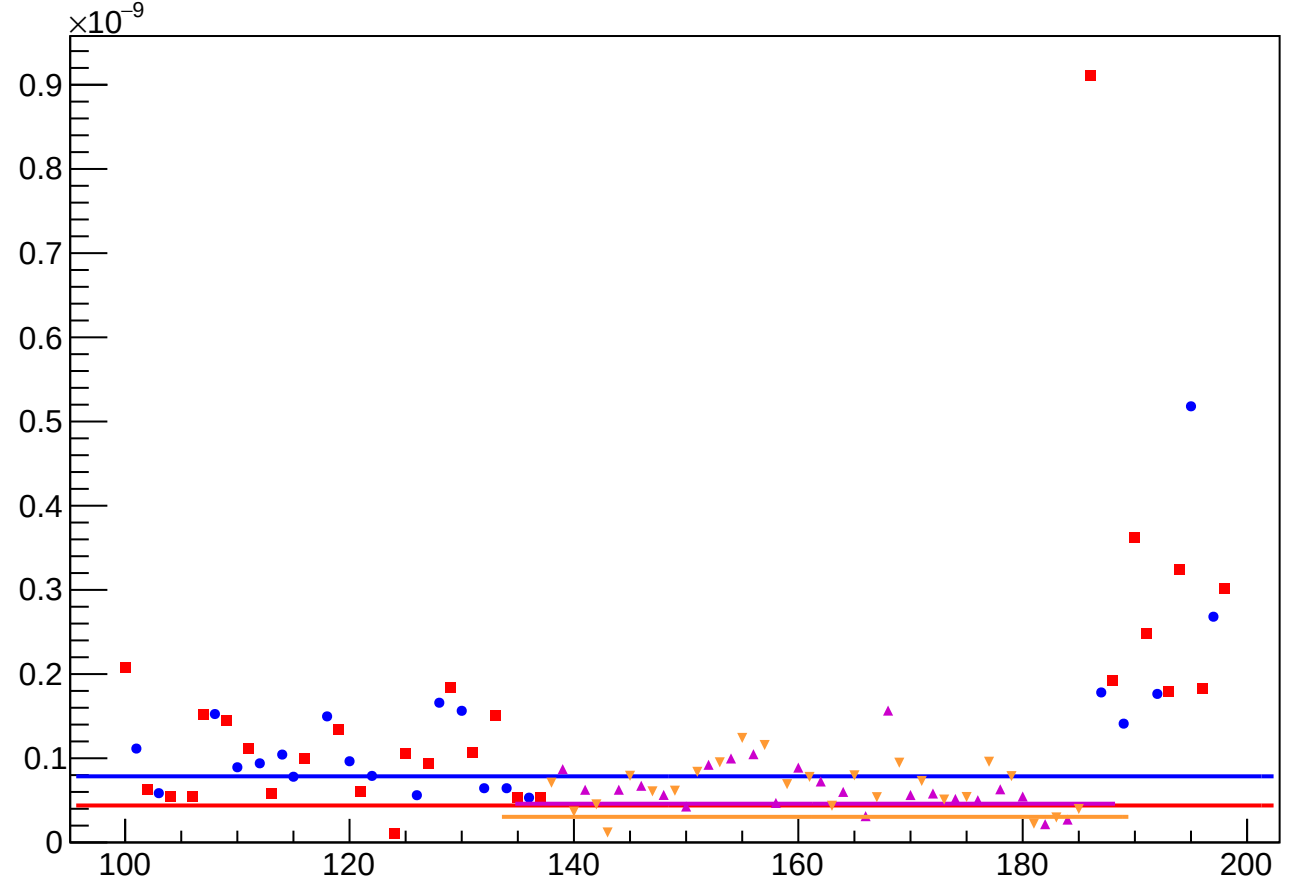
Right Out: 0.000+/-0.000 χ^2/NDF: 46.5/26

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.0/45

All: 0.000+/-0.000 χ^2/NDF: 100.7/95

- sign 0.000+/-0.000 χ^2/NDF: 62.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 2684087.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7761953.4/26

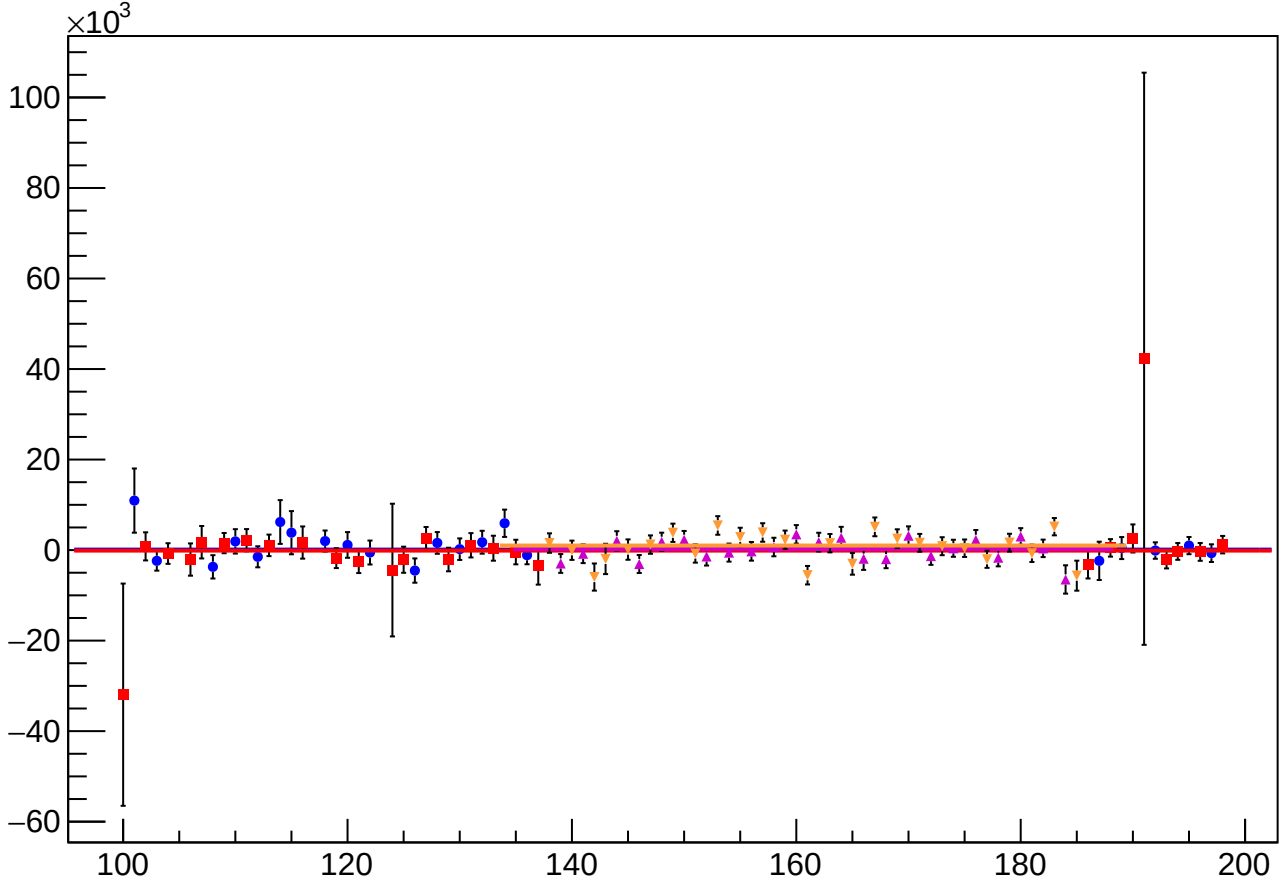
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16428374.2/45

All: 0.000+/-0.000 χ^2/NDF: 30048329.3/95

- sign 0.000+/-0.000 χ^2/NDF: 12672257.7/49

reg_asym_atr1l2_dd_mean vs Slug



Right In: 104.763+/-549.227 χ^2/NDF: 18.4/20

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -112.047+/-508.167 χ^2/NDF: 12.7/26

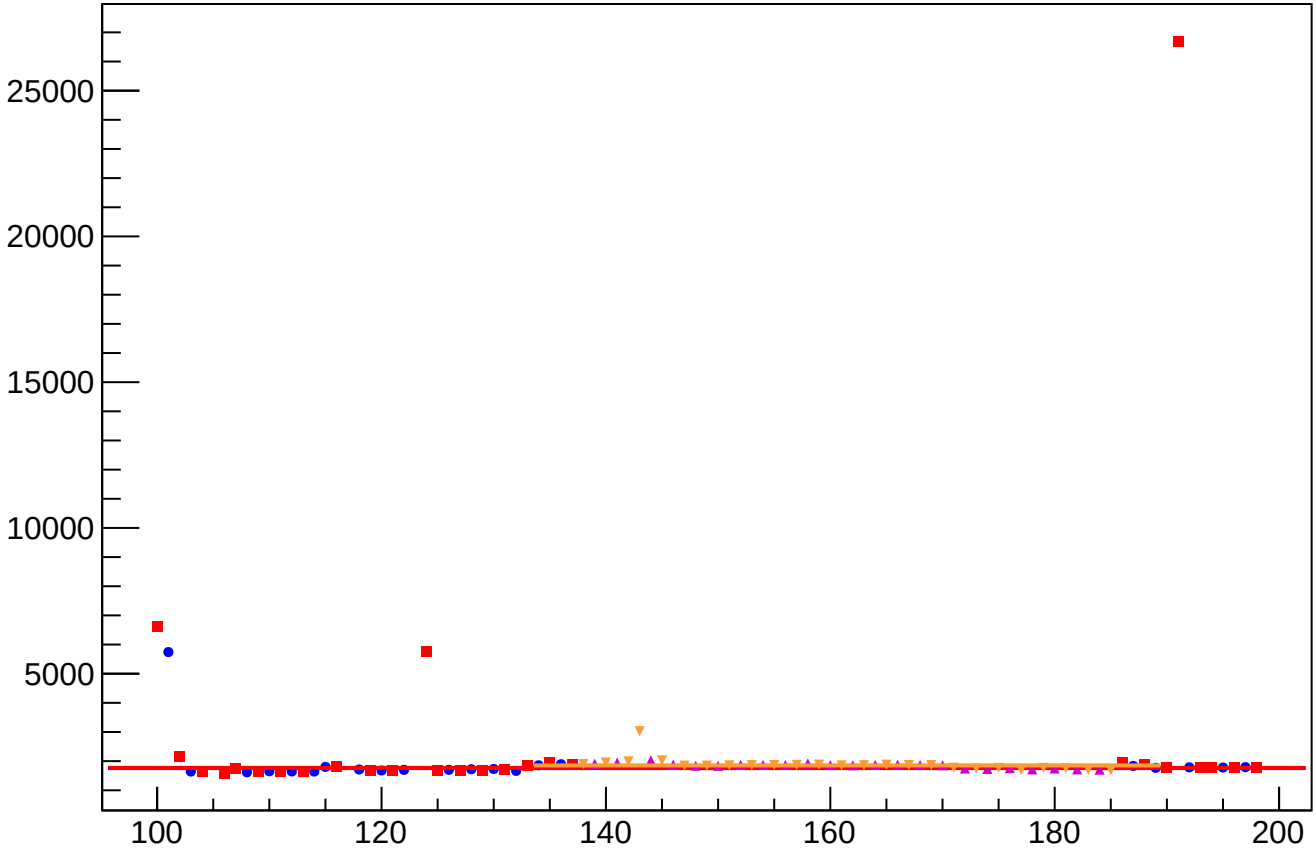
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 669.716+/-334.919 χ^2/NDF: 67.5/45

All: 372.381+/-234.382 χ^2/NDF: 108.4/95

- sign 87.000+/-328.118 χ^2/NDF: 39.4/49

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1762.040+/-0.388 χ^2/NDF: 672053.2/20

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1768.959+/-0.358 χ^2/NDF: 637965.2/26

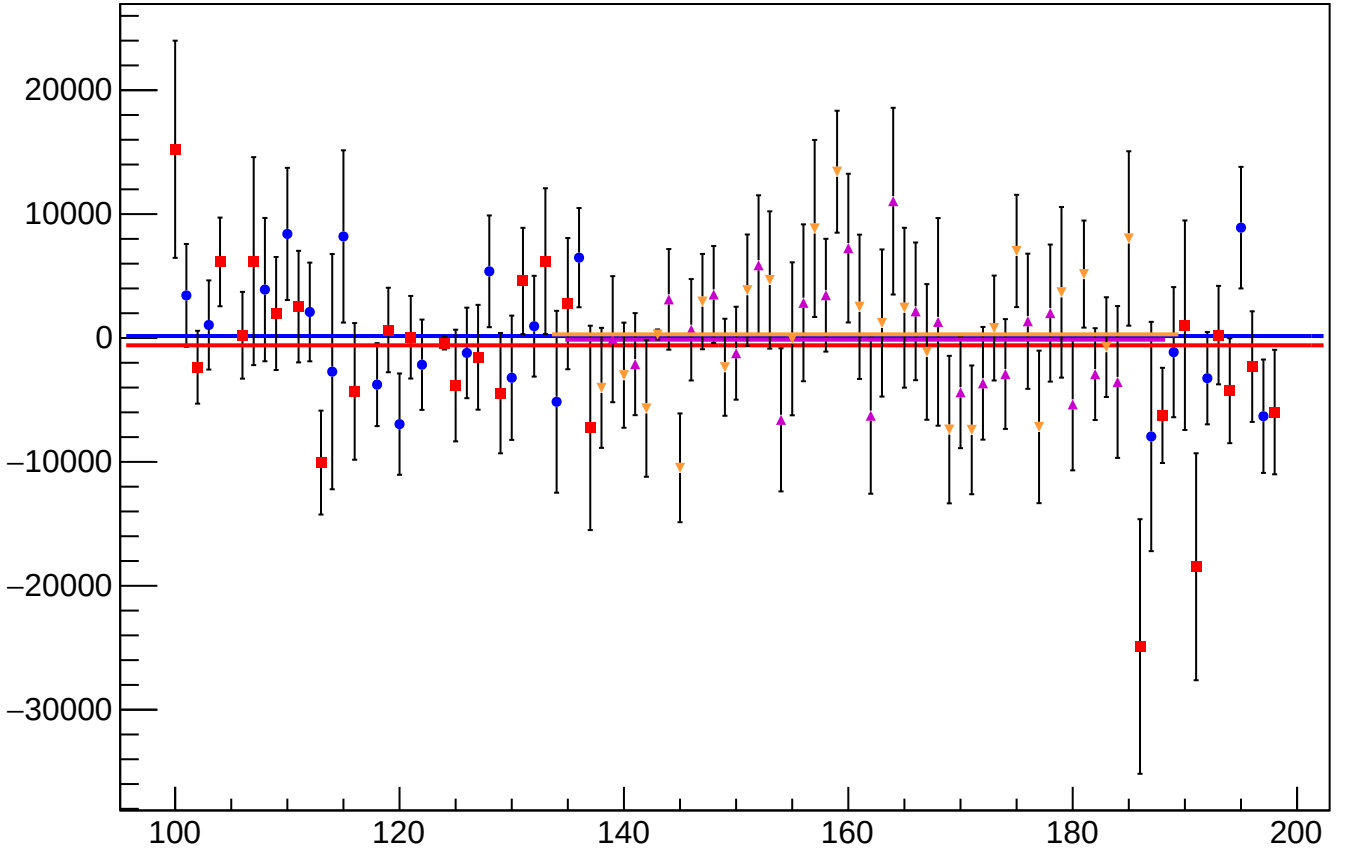
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1818.883+/-0.237 χ^2/NDF: 1027197.5/45

All: 1814.022+/-0.166 χ^2/NDF: 1756434.5/95

- sign 1809.374+/-0.232 χ^2/NDF: 728412.8/49

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 158.751+/-983.416 χ^2/NDF: 21.8/20

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -588.991+/-443.663 χ^2/NDF: 33.3/26

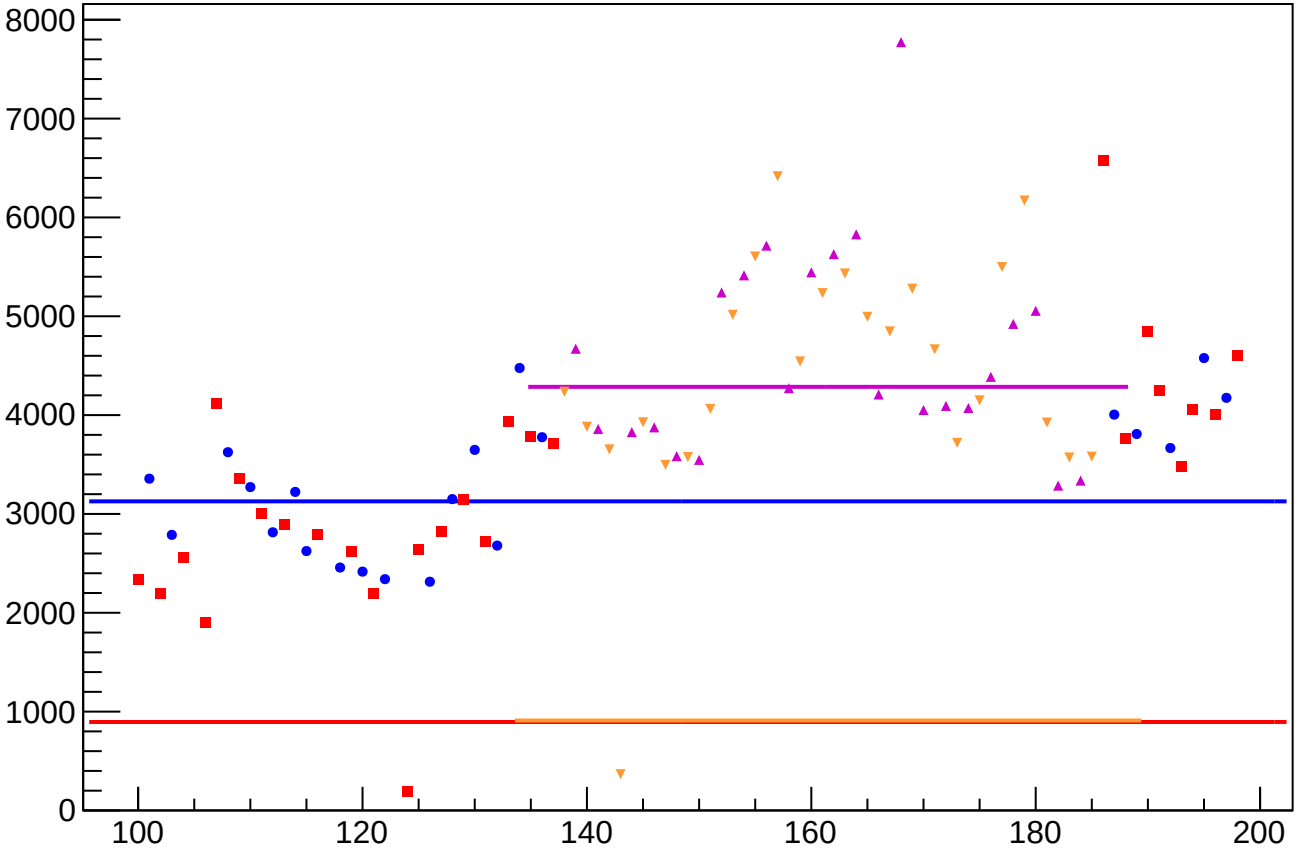
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 276.790+/-354.395 χ^2/NDF: 51.8/45

All: -65.771+/-267.280 χ^2/NDF: 101.3/95

- sign -517.643+/-407.029 χ^2/NDF: 47.3/49

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3127.308+/-0.695 χ^2/NDF: 935094.9/20

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

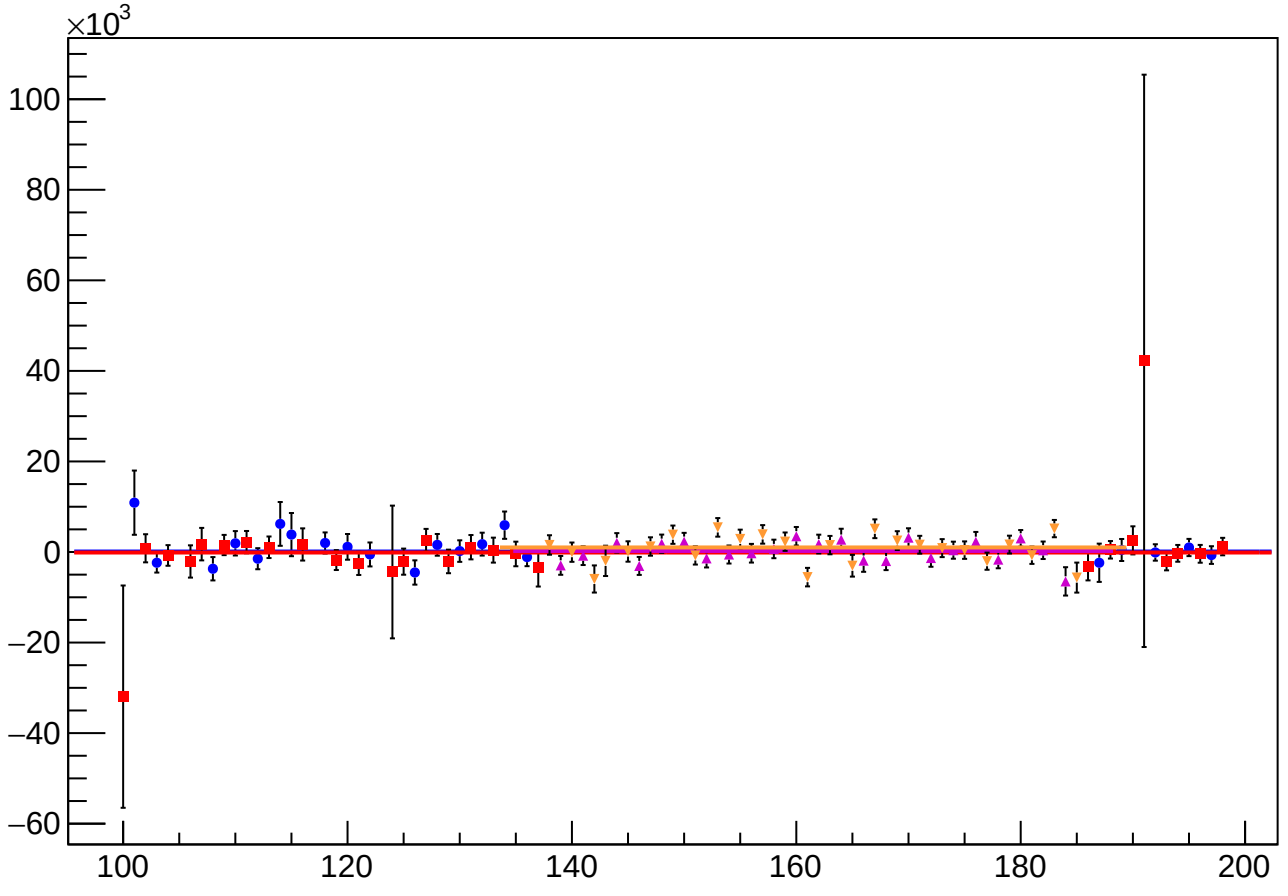
Right Out: 895.111+/-0.314 χ^2/NDF: 17005655.1/26

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1198.073+/-0.251 χ^2/NDF: 36555078.0/45

All: 1298.920+/-0.189 χ^2/NDF: 73759401.7/9

- sign 1431.947+/-0.288 χ^2/NDF: 36828746.4/49



Right In: 104.487+/-549.227 χ^2/NDF: 18.4/20

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -112.035+/-508.167 χ^2/NDF: 12.7/26

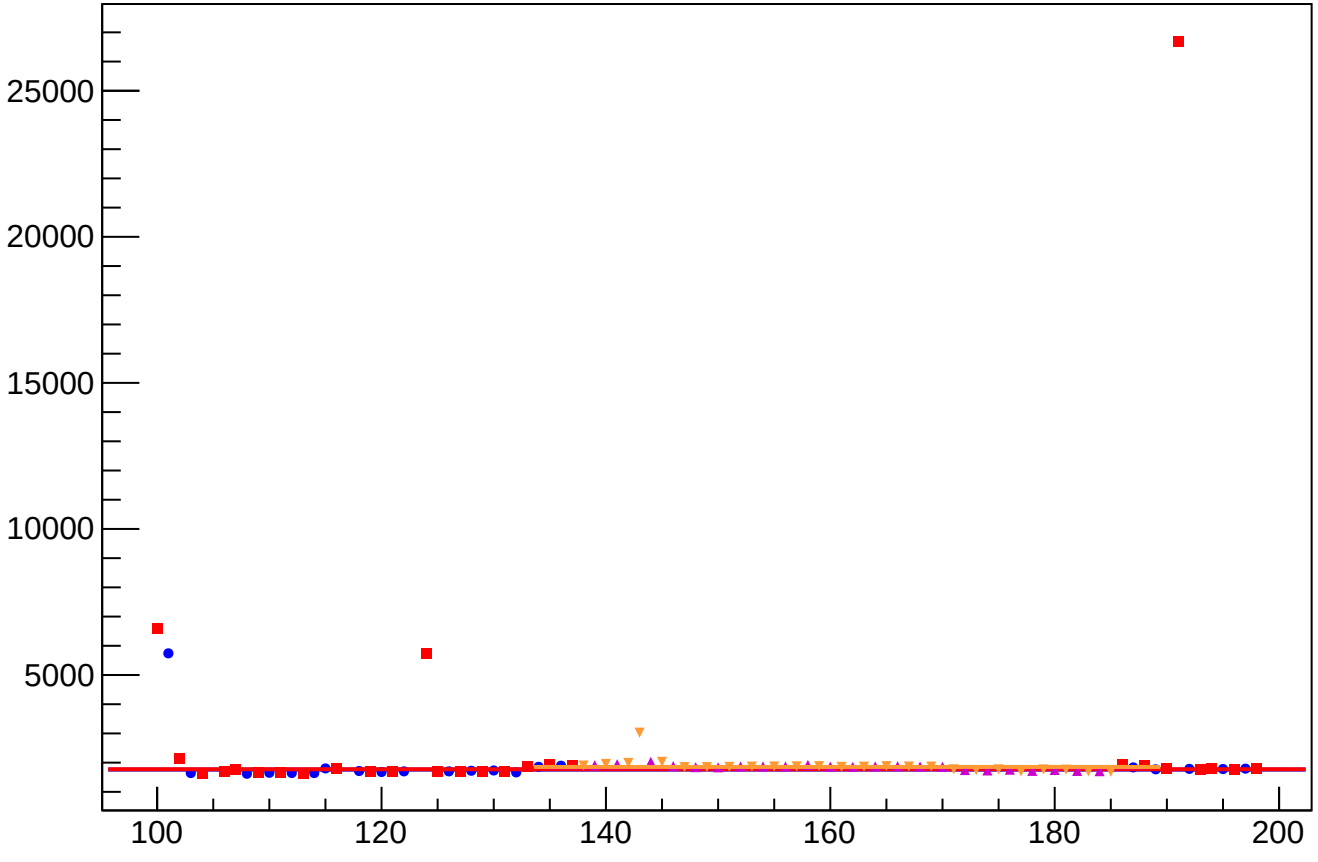
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 669.587+/-334.919 χ^2/NDF: 67.5/45

All: 372.295+/-234.382 χ^2/NDF: 108.4/95

- sign 86.955+/-328.118 χ^2/NDF: 39.4/49

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.040+/-0.388 χ^2/NDF: 672053.4/20

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1773.131+/-0.359 χ^2/NDF: 629579.7/26

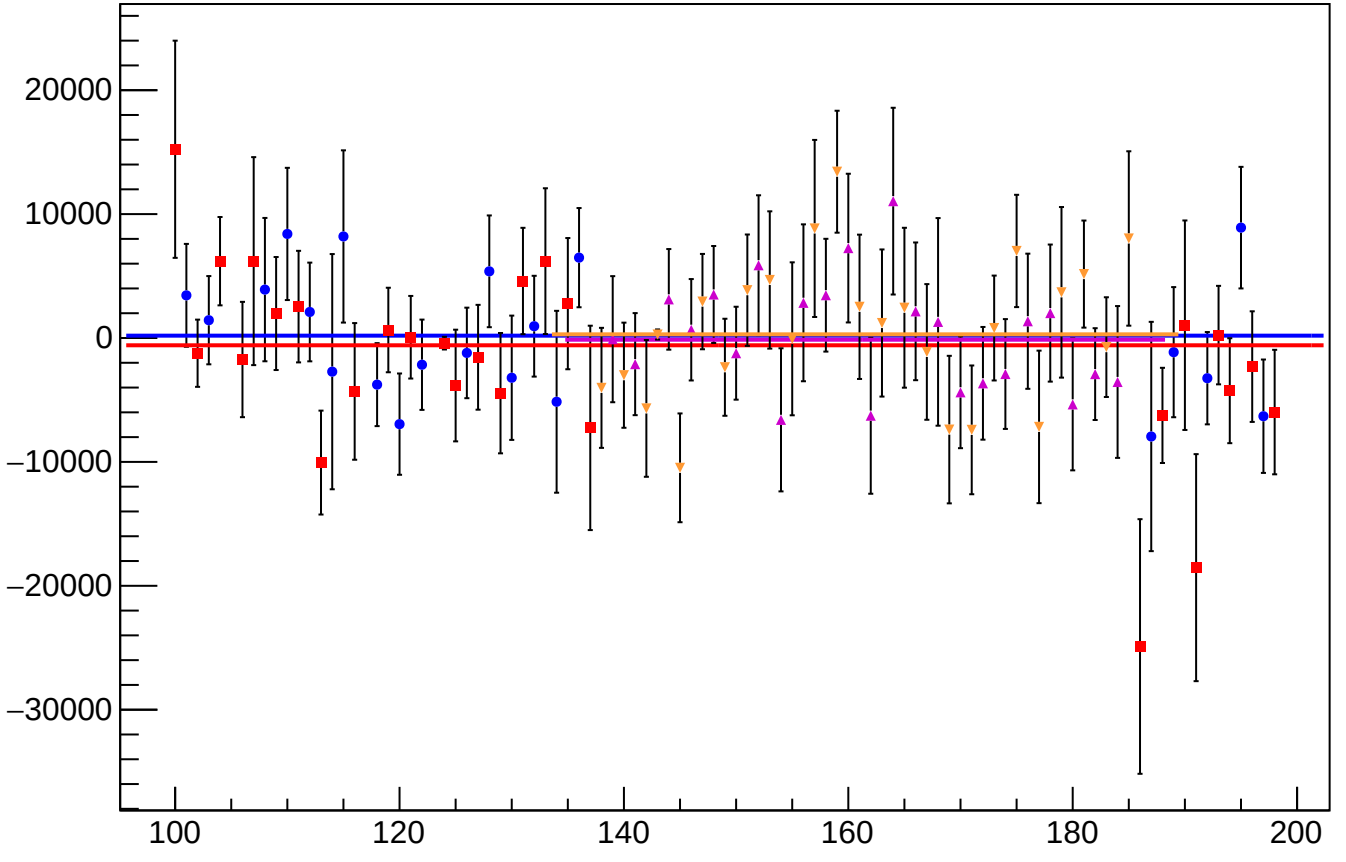
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1818.883+/-0.237 χ^2/NDF: 1027197.9/45

All: 1814.955+/-0.166 χ^2/NDF: 1745158.8/95

- sign 1811.191+/-0.232 χ^2/NDF: 717422.2/49

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 189.585+/-982.677 χ^2/NDF: 21.9/20

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -587.871+/-444.495 χ^2/NDF: 33.1/26

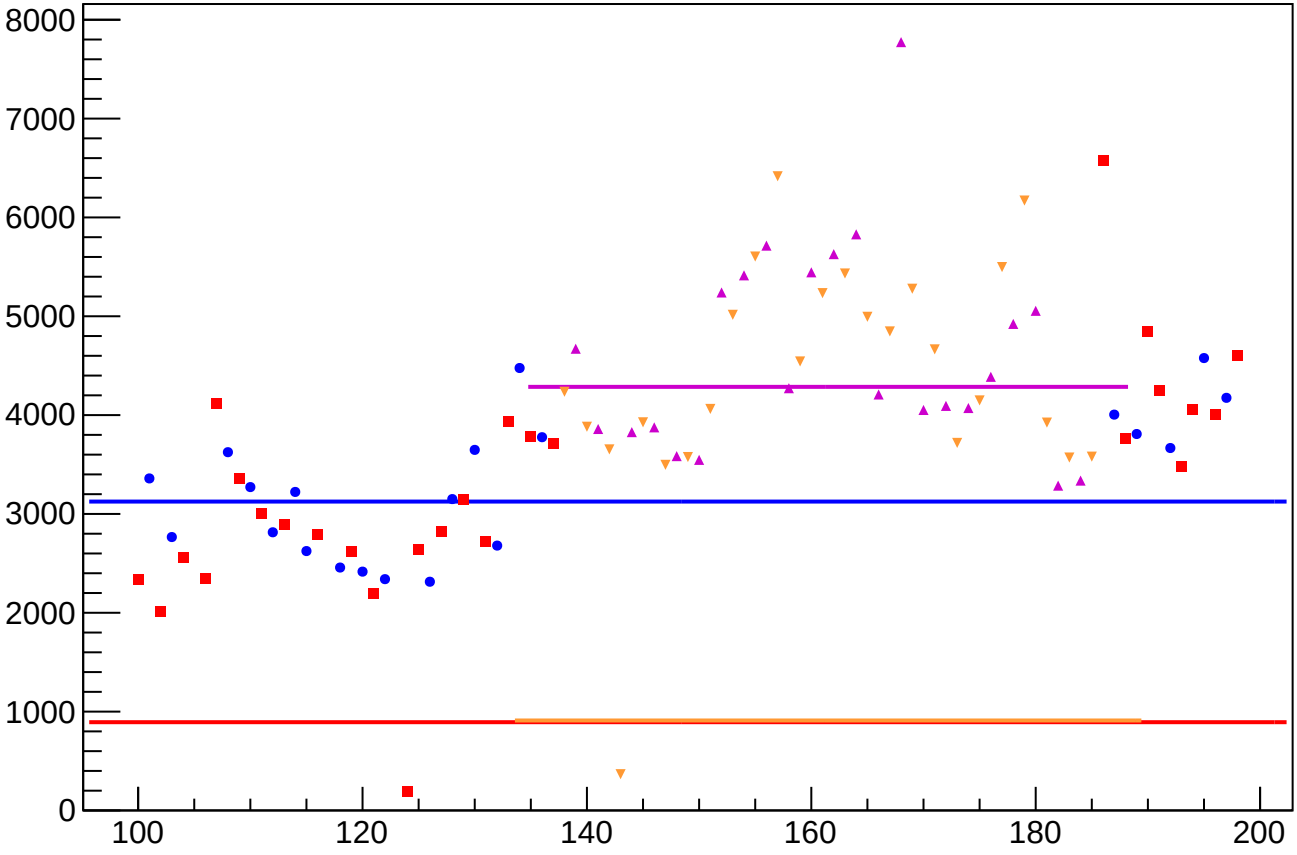
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 281.558+/-354.384 χ^2/NDF: 51.9/45

All: -61.922+/-267.456 χ^2/NDF: 101.2/95

- sign -516.463+/-407.671 χ^2/NDF: 47.1/49

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3125.218+/-0.695 χ^2/NDF: 938028.4/20

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

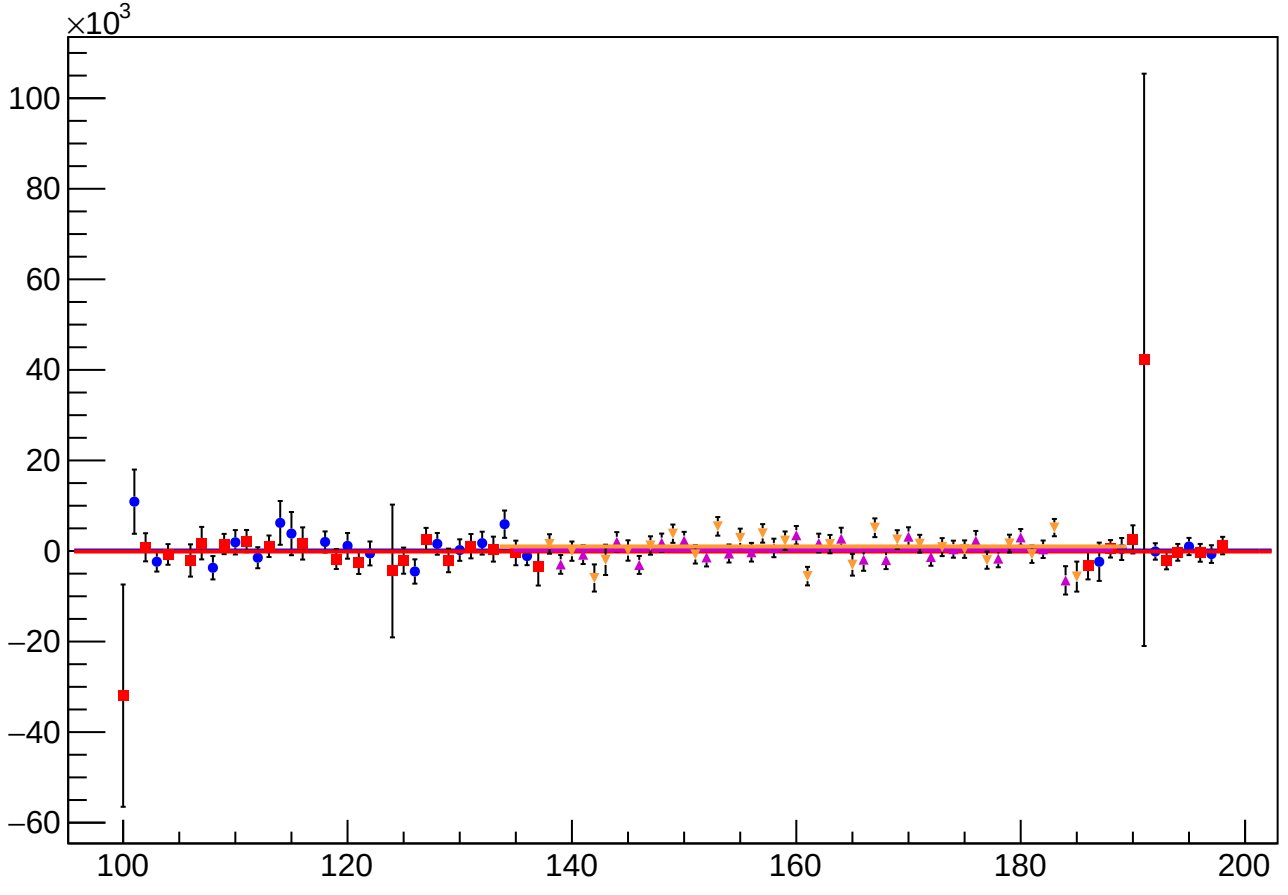
Right Out: 893.011+/-0.314 χ^2/NDF: 16973017.4/26

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1198.320+/-0.251 χ^2/NDF: 36550629.1/45

All: 1298.846+/-0.189 χ^2/NDF: 73732516.6/9

- sign 1431.876+/-0.288 χ^2/NDF: 36807992.0/49



Right In: 104.487+/-549.227 χ^2/NDF: 18.4/20

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -112.035+/-508.167 χ^2/NDF: 12.7/26

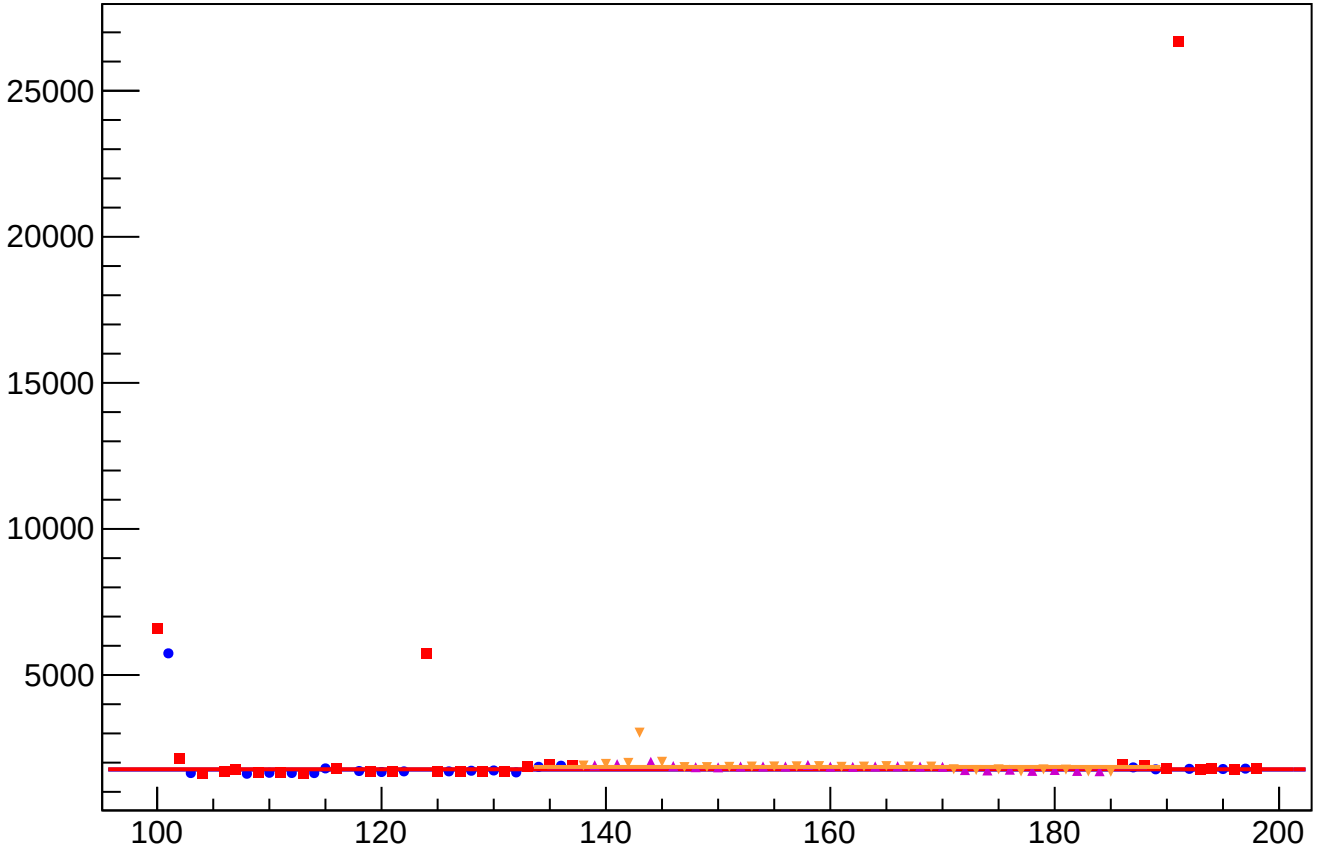
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 669.587+/-334.919 χ^2/NDF: 67.5/45

All: 372.295+/-234.382 χ^2/NDF: 108.4/95

- sign 86.955+/-328.118 χ^2/NDF: 39.4/49

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.040+/-0.388 χ^2/NDF: 672053.4/20

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1773.131+/-0.359 χ^2/NDF: 629579.7/26

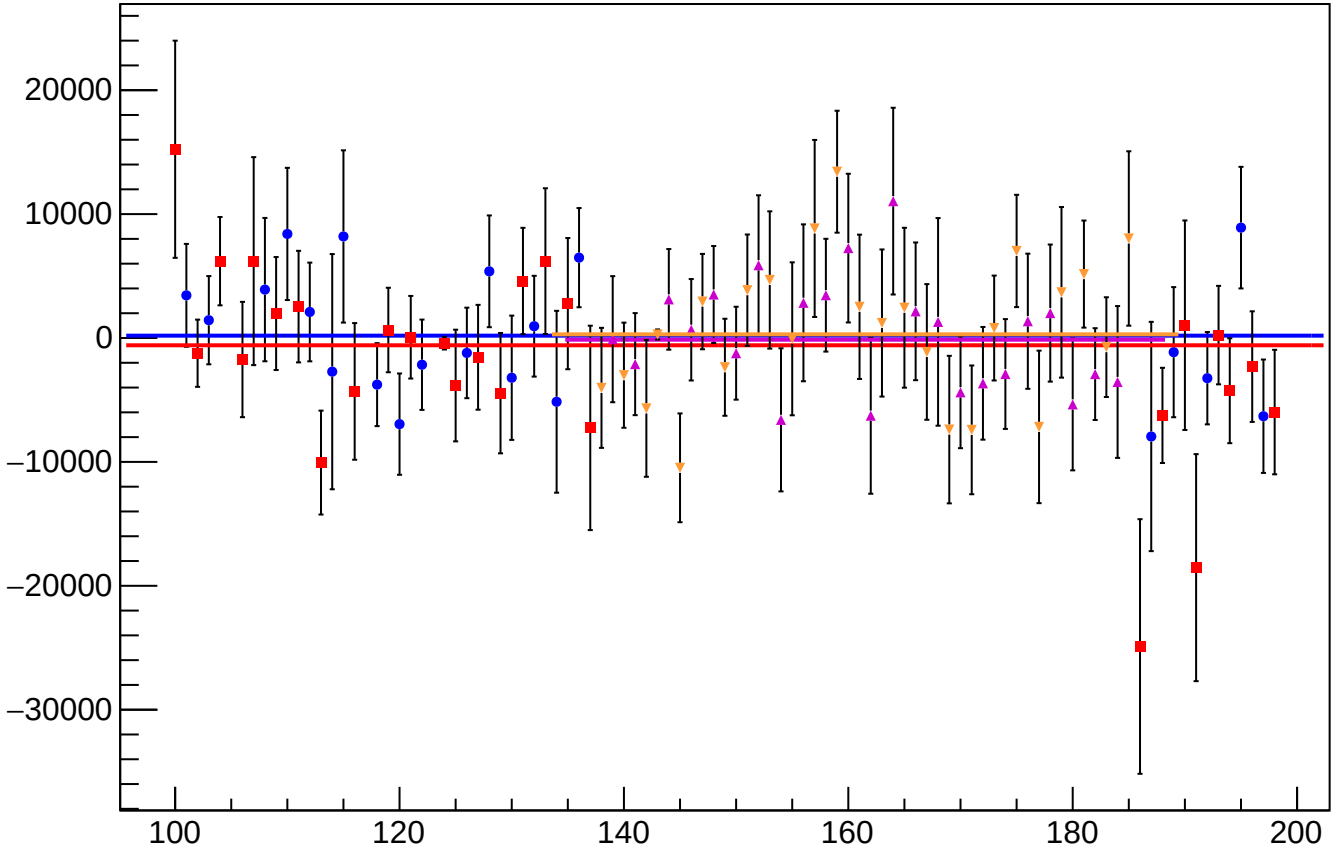
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1818.883+/-0.237 χ^2/NDF: 1027197.9/45

All: 1814.955+/-0.166 χ^2/NDF: 1745158.8/95

- sign 1811.191+/-0.232 χ^2/NDF: 717422.2/49

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 189.585+/-982.677 χ^2/NDF: 21.9/20

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -587.871+/-444.495 χ^2/NDF: 33.1/26

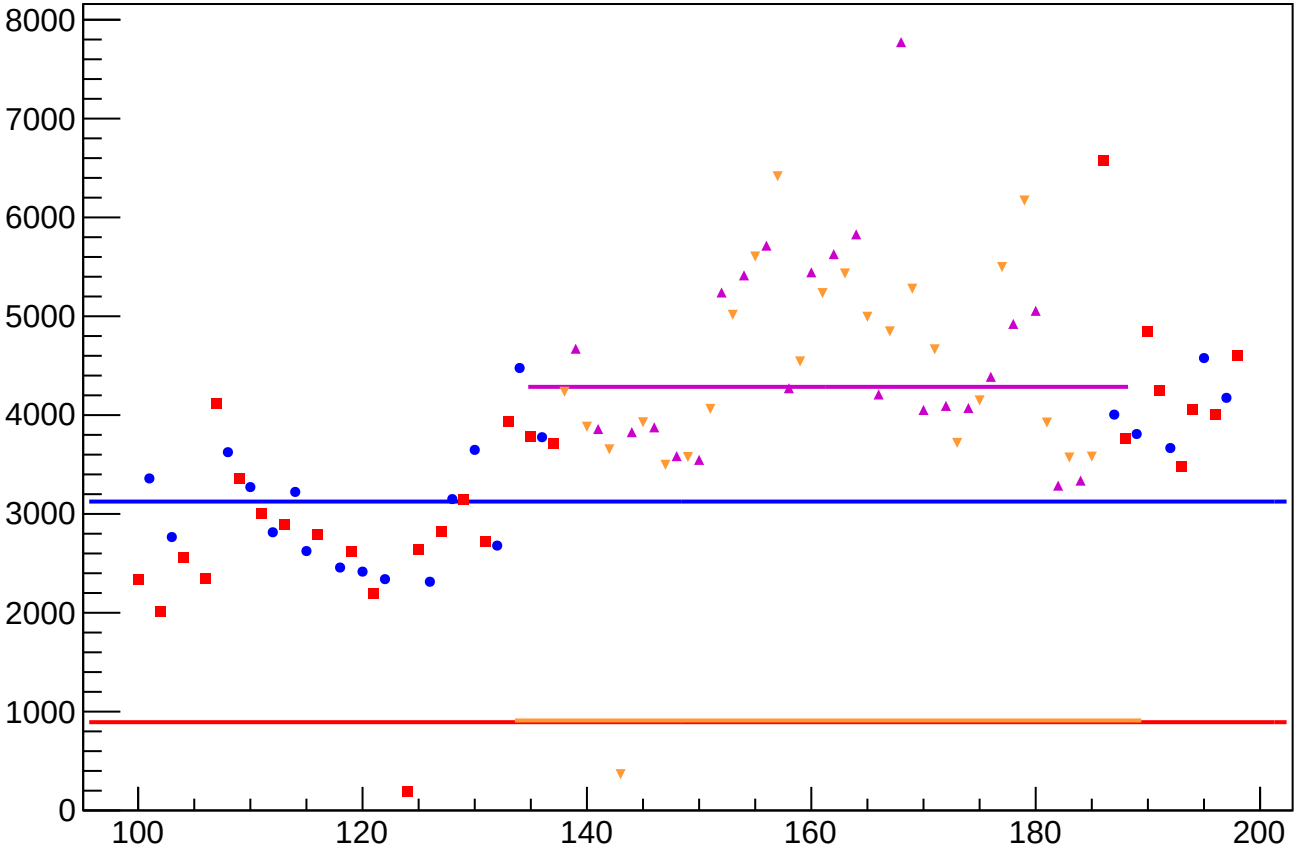
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 281.558+/-354.384 χ^2/NDF: 51.9/45

All: -61.922+/-267.456 χ^2/NDF: 101.2/95

- sign -516.463+/-407.671 χ^2/NDF: 47.1/49

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3125.218+/-0.695 χ^2/NDF: 938028.4/20

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 893.011+/-0.314 χ^2/NDF: 16973017.4/26

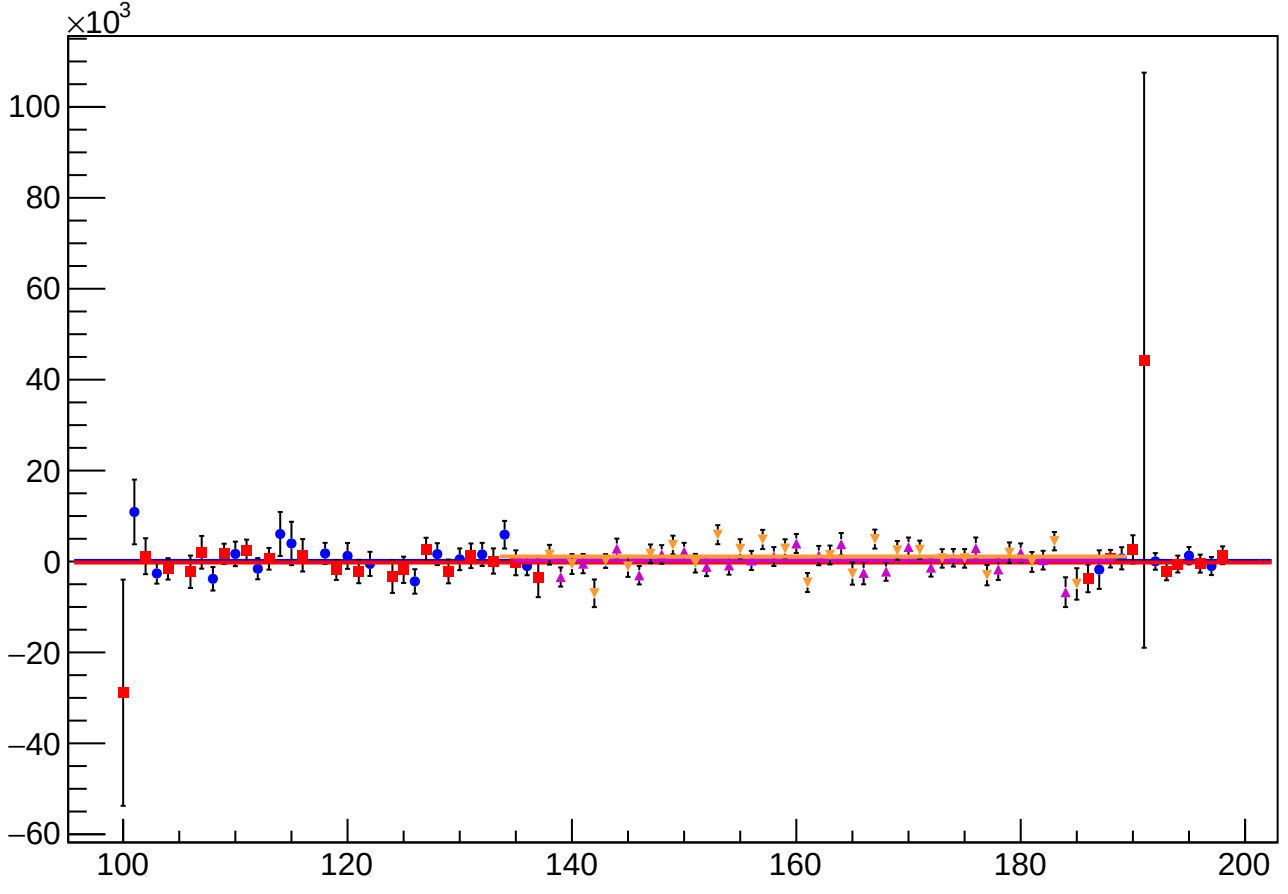
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1198.320+/-0.251 χ^2/NDF: 36550629.1/45

All: 1298.846+/-0.189 χ^2/NDF: 73732516.6/9

- sign 1431.876+/-0.288 χ^2/NDF: 36807992.0/49

dit_asym_atr1l2_dd_mean vs Slug



Right In: 128.965+/-553.122 χ^2/NDF: 18.2/20

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -224.400+/-509.101 χ^2/NDF: 14.2/26

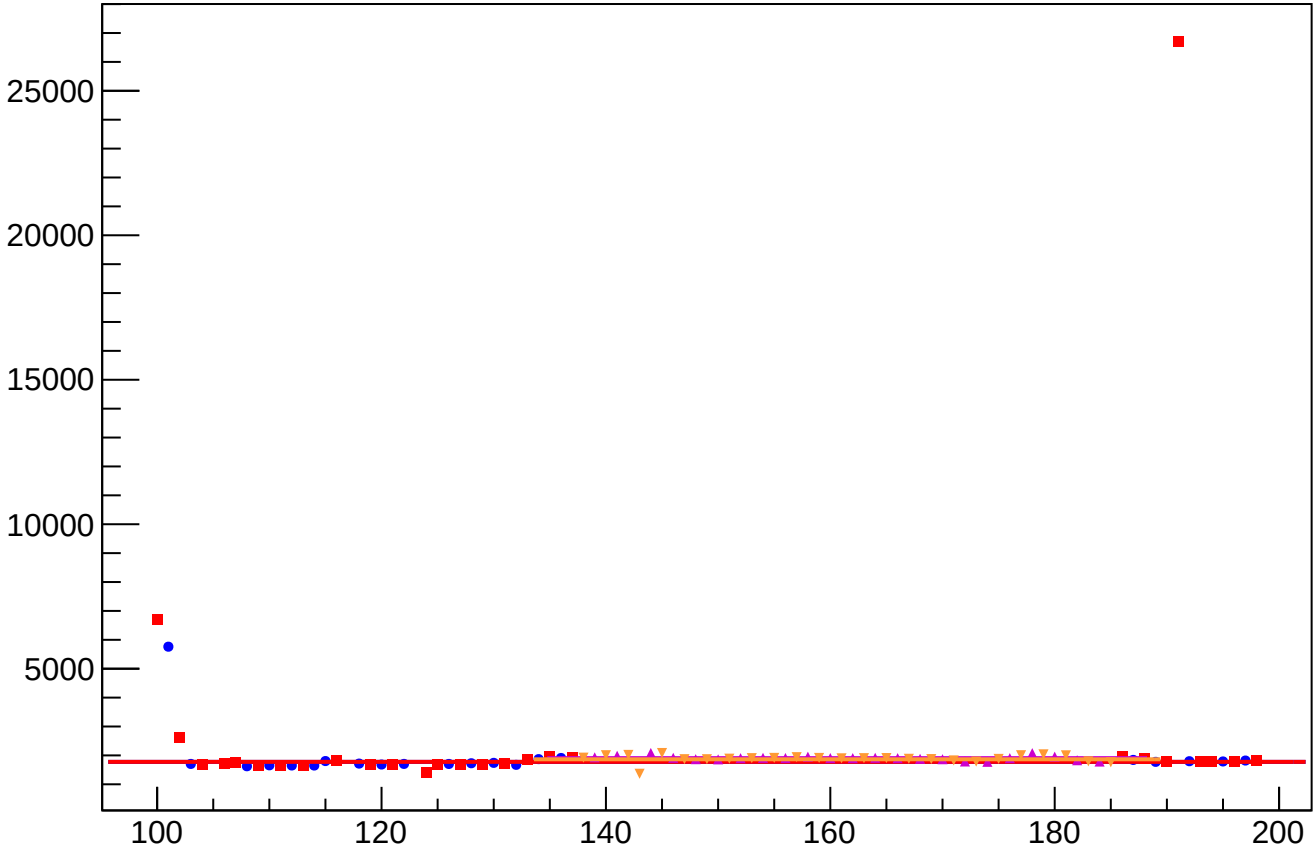
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 741.268+/-337.166 χ^2/NDF: 65.0/45

All: 394.929+/-237.714 χ^2/NDF: 109.4/95

- sign 52.620+/-335.198 χ^2/NDF: 42.4/49

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1774.566+/-0.391 χ^2/NDF: 670545.6/20

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1776.730+/-0.359 χ^2/NDF: 561605.1/26

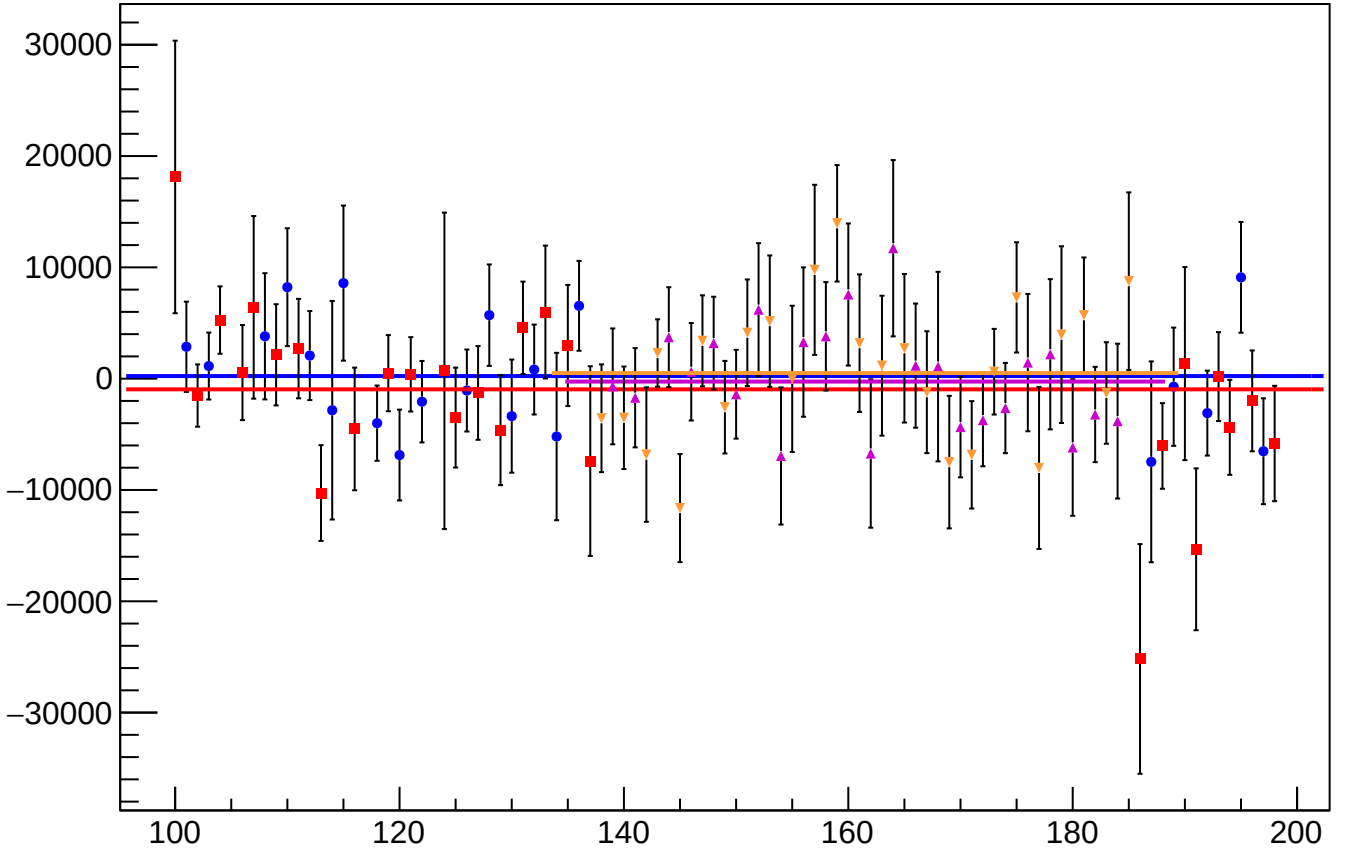
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1831.297+/-0.238 χ^2/NDF: 998737.2/45

All: 1840.529+/-0.168 χ^2/NDF: 1688874.8/95

- sign 1849.639+/-0.237 χ^2/NDF: 687158.7/49

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 233.816+/-973.095 χ^2/NDF: 21.7/20

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -958.726+/-886.680 χ^2/NDF: 32.2/26

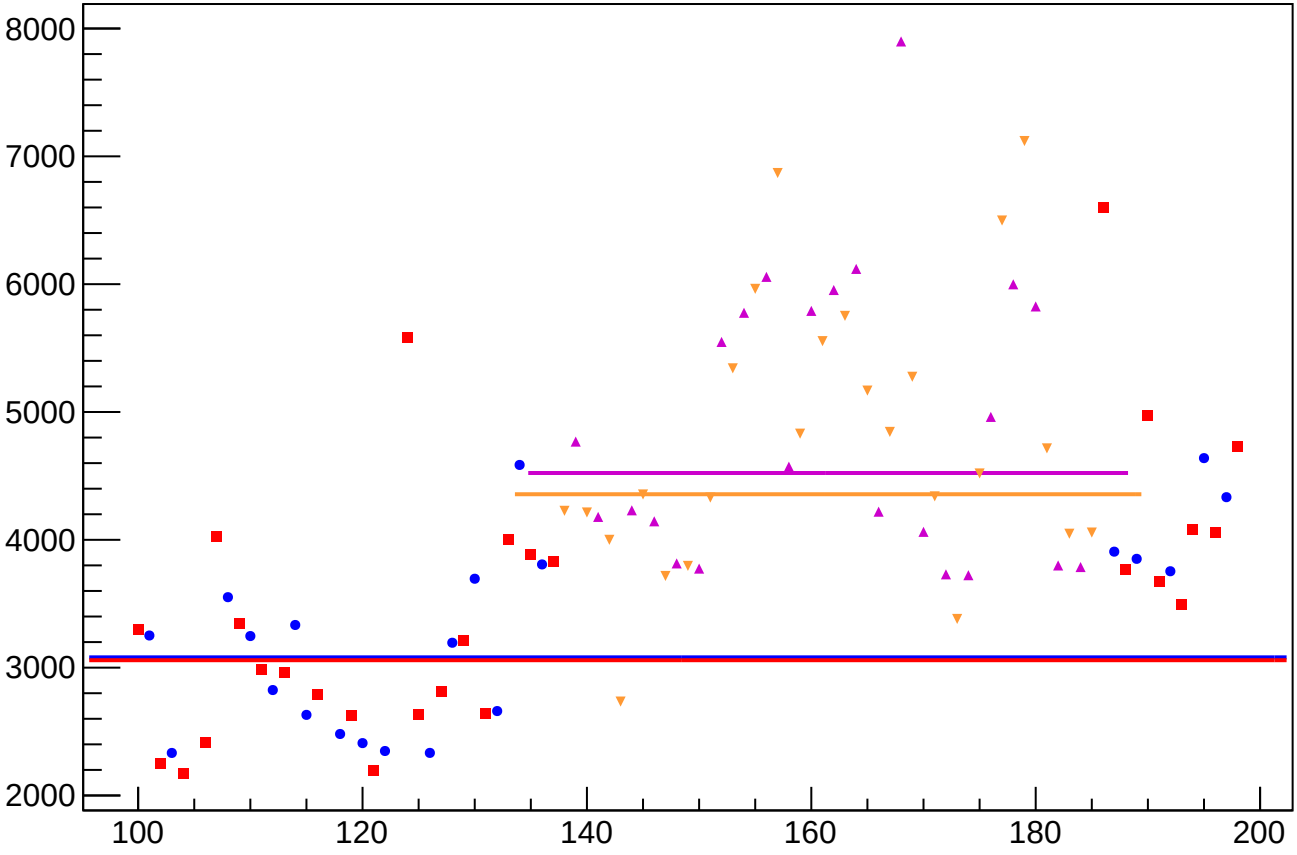
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 362.455+/-704.634 χ^2/NDF: 51.8/45

All: -172.094+/-491.407 χ^2/NDF: 99.0/95

- sign -678.247+/-685.663 χ^2/NDF: 46.1/49

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3080.578+/-0.688 χ^2/NDF: 1094024.2/20

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

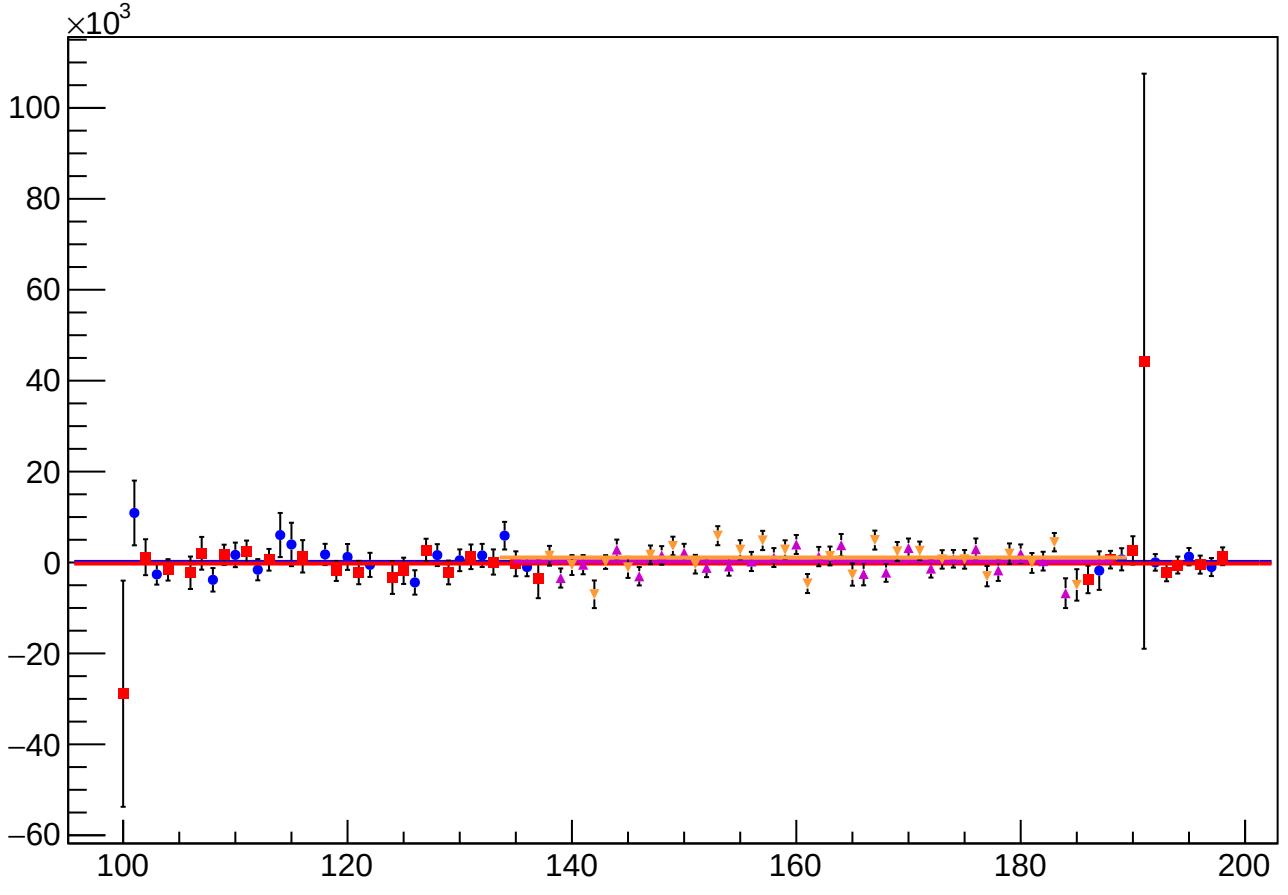
Right Out: 3058.254+/-0.627 χ^2/NDF: 1675763.4/26

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3687.547+/-0.498 χ^2/NDF: 4642253.7/45

All: 3666.733+/-0.347 χ^2/NDF: 9948940.0/95

- sign 3647.025+/-0.485 χ^2/NDF: 5303288.9/49



Right In: 128.966+/-553.122 χ^2/NDF: 18.2/20

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -224.397+/-509.101 χ^2/NDF: 14.2/26

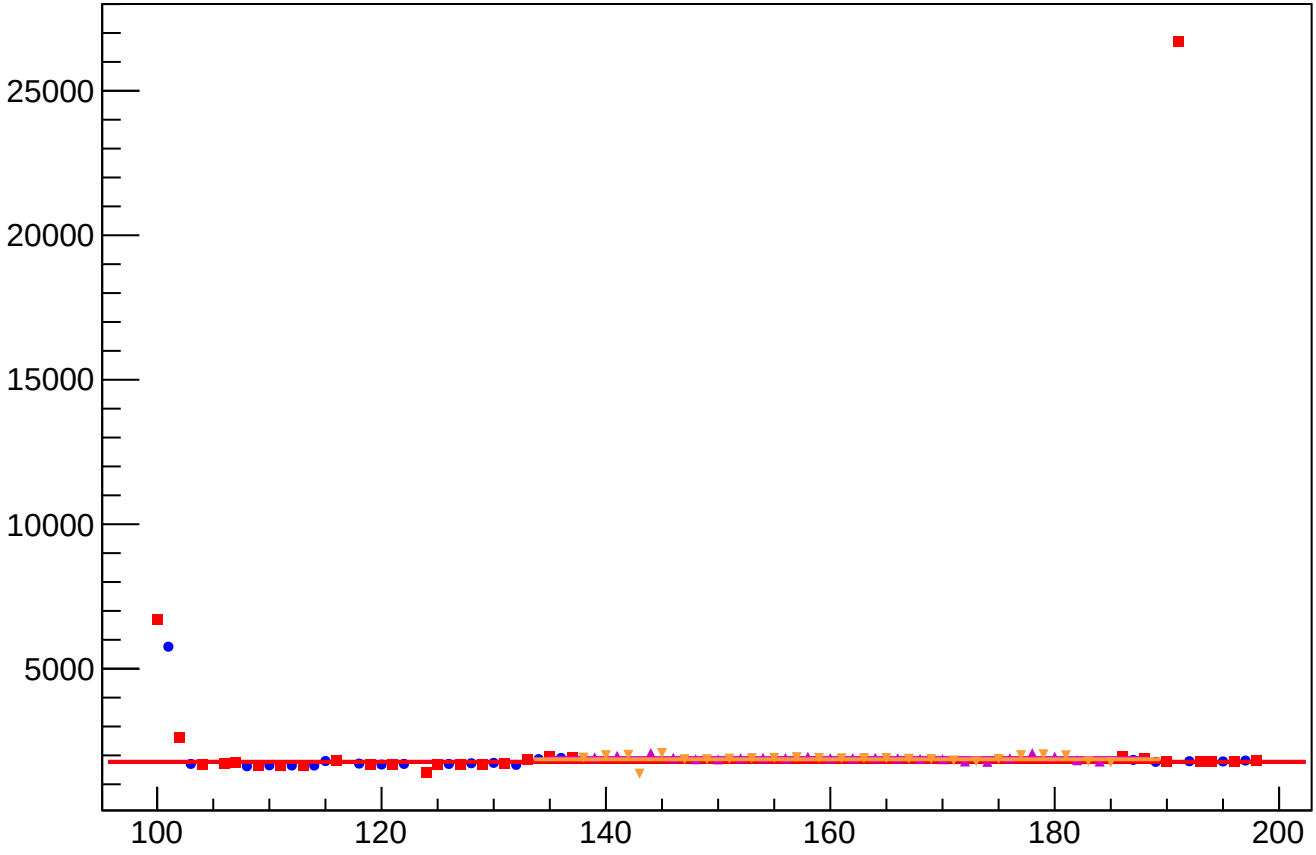
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 741.269+/-337.166 χ^2/NDF: 65.0/45

All: 394.930+/-237.714 χ^2/NDF: 109.4/95

- sign 52.621+/-335.199 χ^2/NDF: 42.4/49

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1774.566+/-0.391 χ^2/NDF: 670545.7/20

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

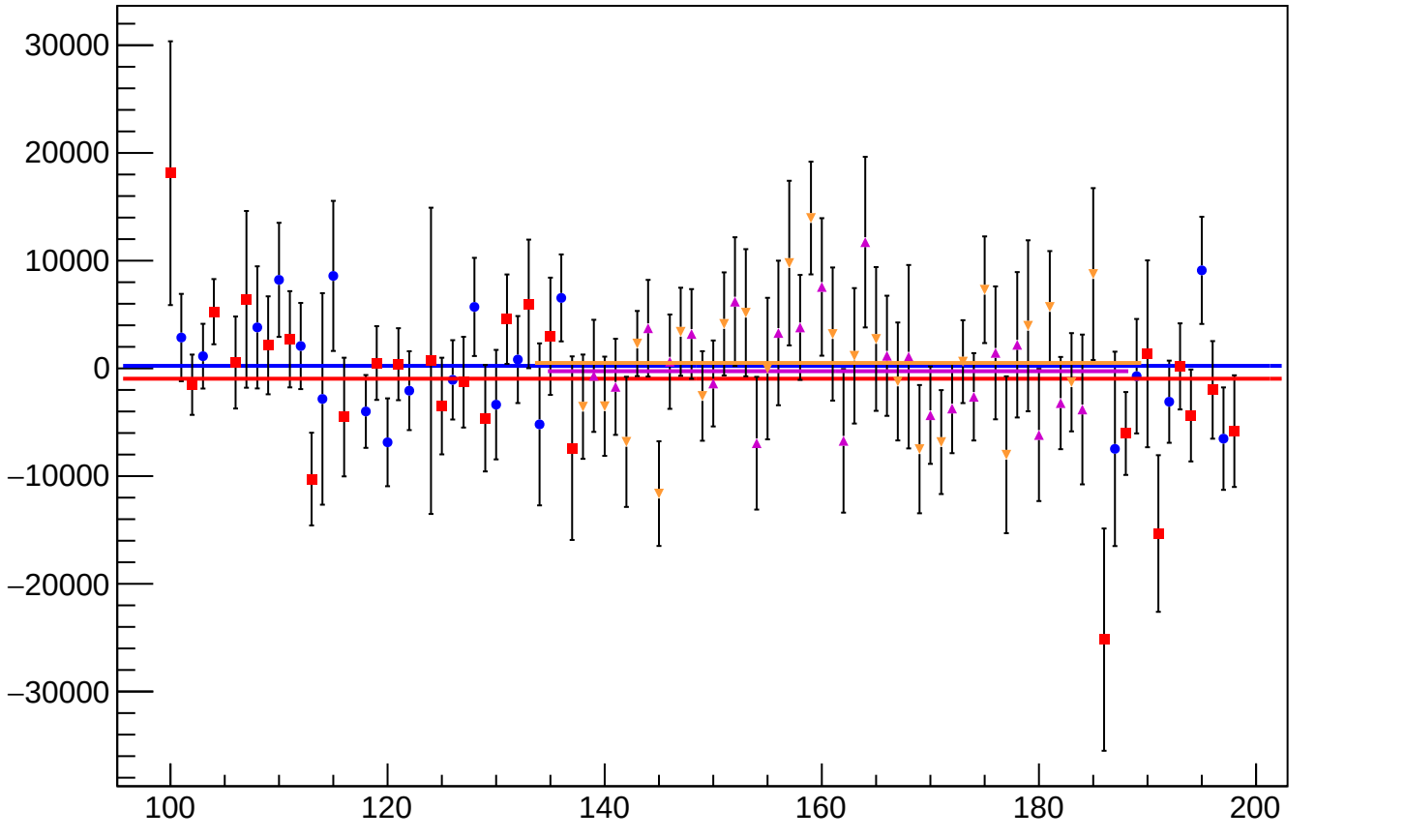
Right Out: 1776.730+/-0.359 χ^2/NDF: 561605.1/26

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1831.298+/-0.238 χ^2/NDF: 998741.2/45

All: 1840.529+/-0.168 χ^2/NDF: 1688882.2/95

- sign 1849.640+/-0.237 χ^2/NDF: 687162.1/49



Right In: 233.812+/-973.094 χ^2/NDF: 21.7/20

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

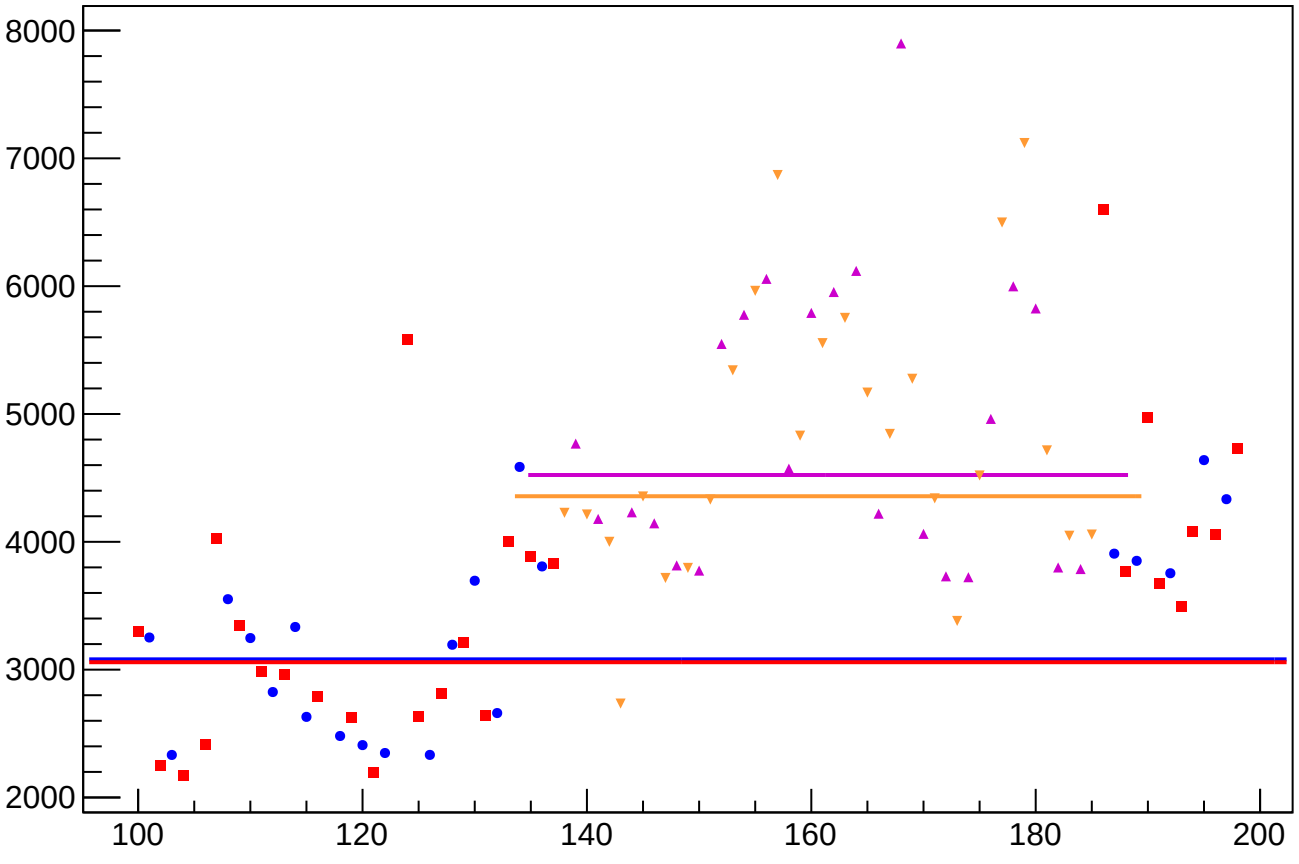
Right Out: -958.722+/-886.679 χ^2/NDF: 32.2/26

Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 362.454+/-704.633 χ^2/NDF: 51.8/45

All: -172.094+/-491.407 χ^2/NDF: 99.0/95

- sign -678.246+/-685.663 χ^2/NDF: 46.1/49



Right In: 3080.572+/-0.688 χ^2/NDF: 1094040.3/20

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3058.250+/-0.627 χ^2/NDF: 1675771.8/26

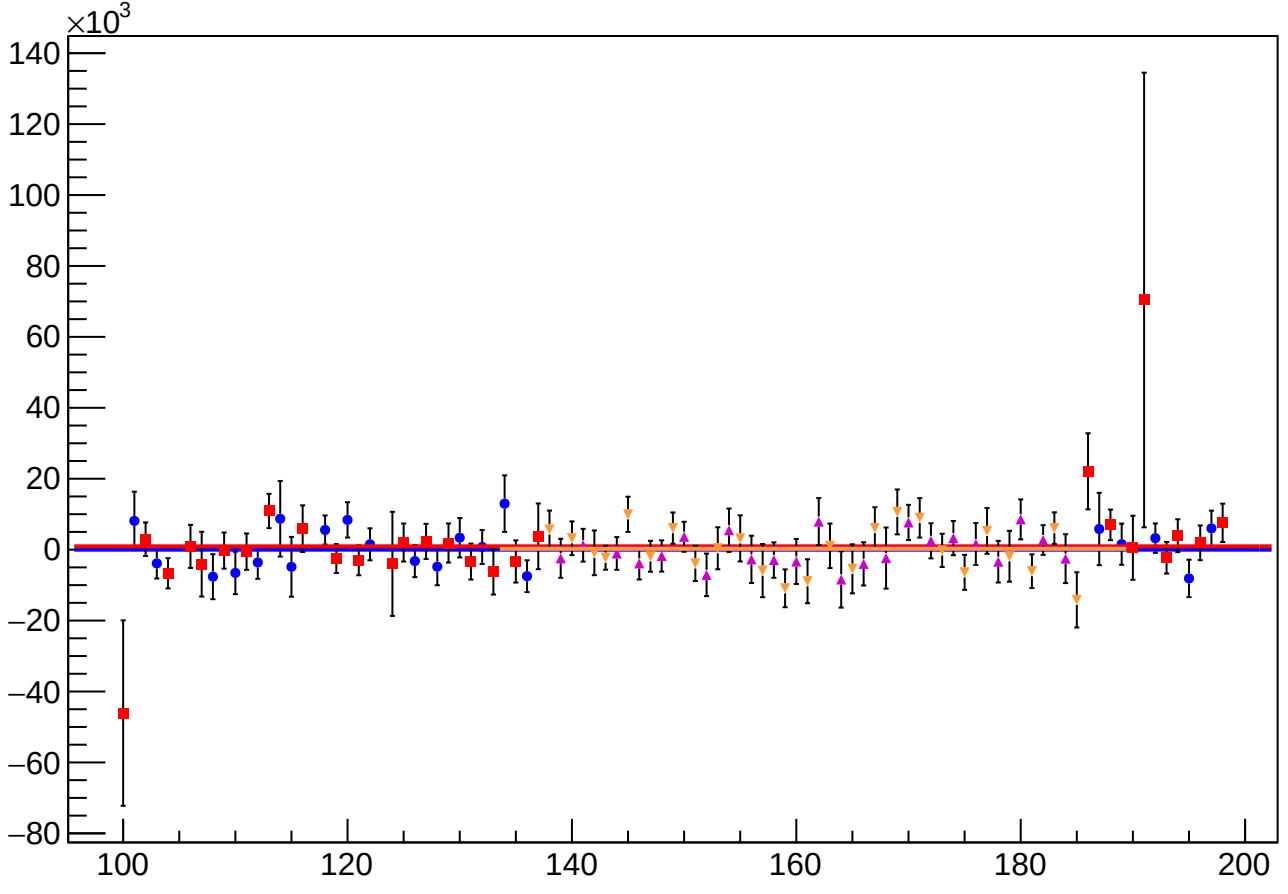
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3687.545+/-0.498 χ^2/NDF: 4642308.2/45

All: 3666.731+/-0.347 χ^2/NDF: 9949037.4/95

- sign 3647.023+/-0.485 χ^2/NDF: 5303332.0/49

asym_atr1l2_dd_mean vs Slug



Right In: -0.883+/-1161.517 χ^2/NDF: 22.8/20

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 939.785+/-1077.003 χ^2/NDF: 25.7/26

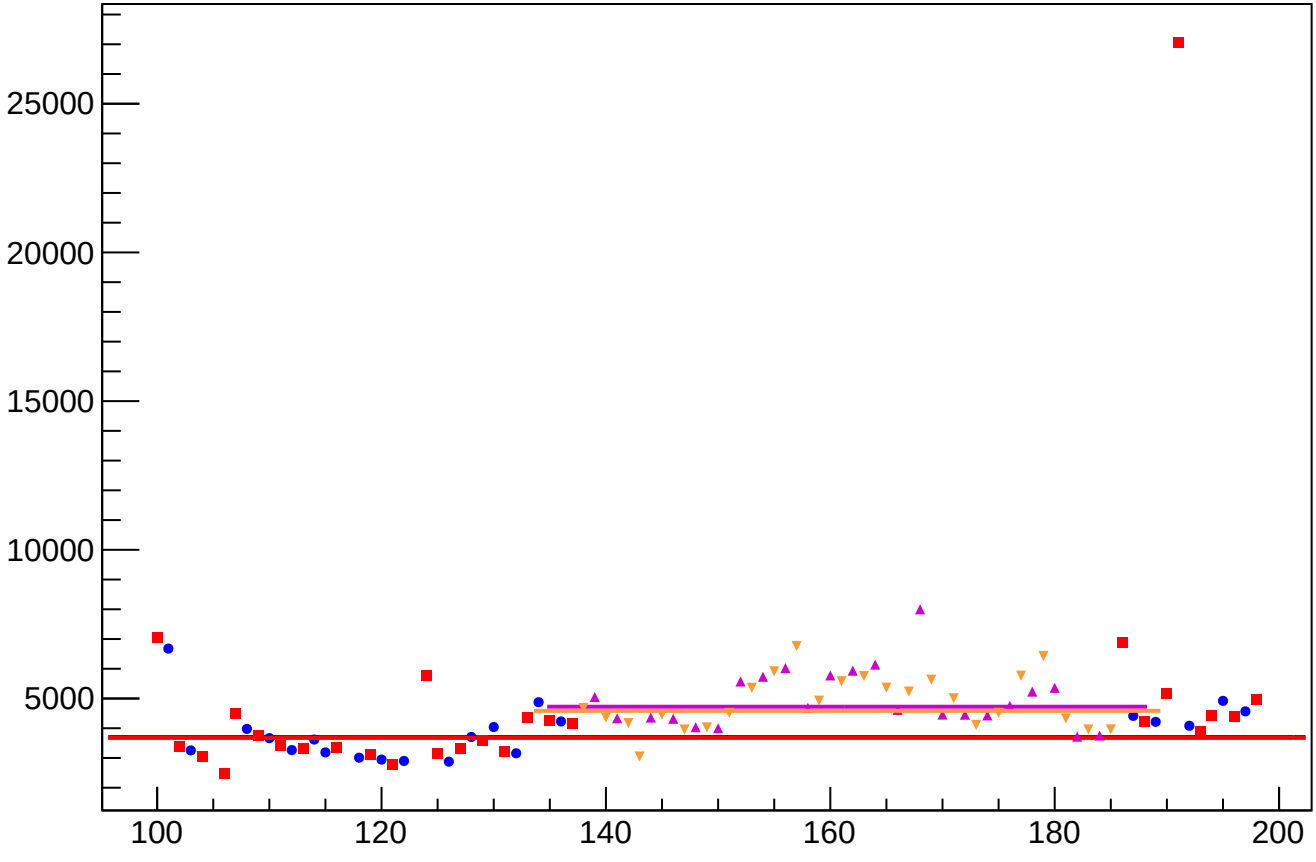
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

\+ sign 129.982+/-784.835 χ^2/NDF: 55.0/45

All: 407.713+/-552.082 χ^2/NDF: 95.4/95

\- sign 679.754+/-776.752 χ^2/NDF: 40.1/49

asym_atr1l2_dd_rms vs Slug



Right In: 3702.378+/-0.821 χ^2/NDF: 857949.2/20

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3676.013+/-0.754 χ^2/NDF: 1259681.9/26

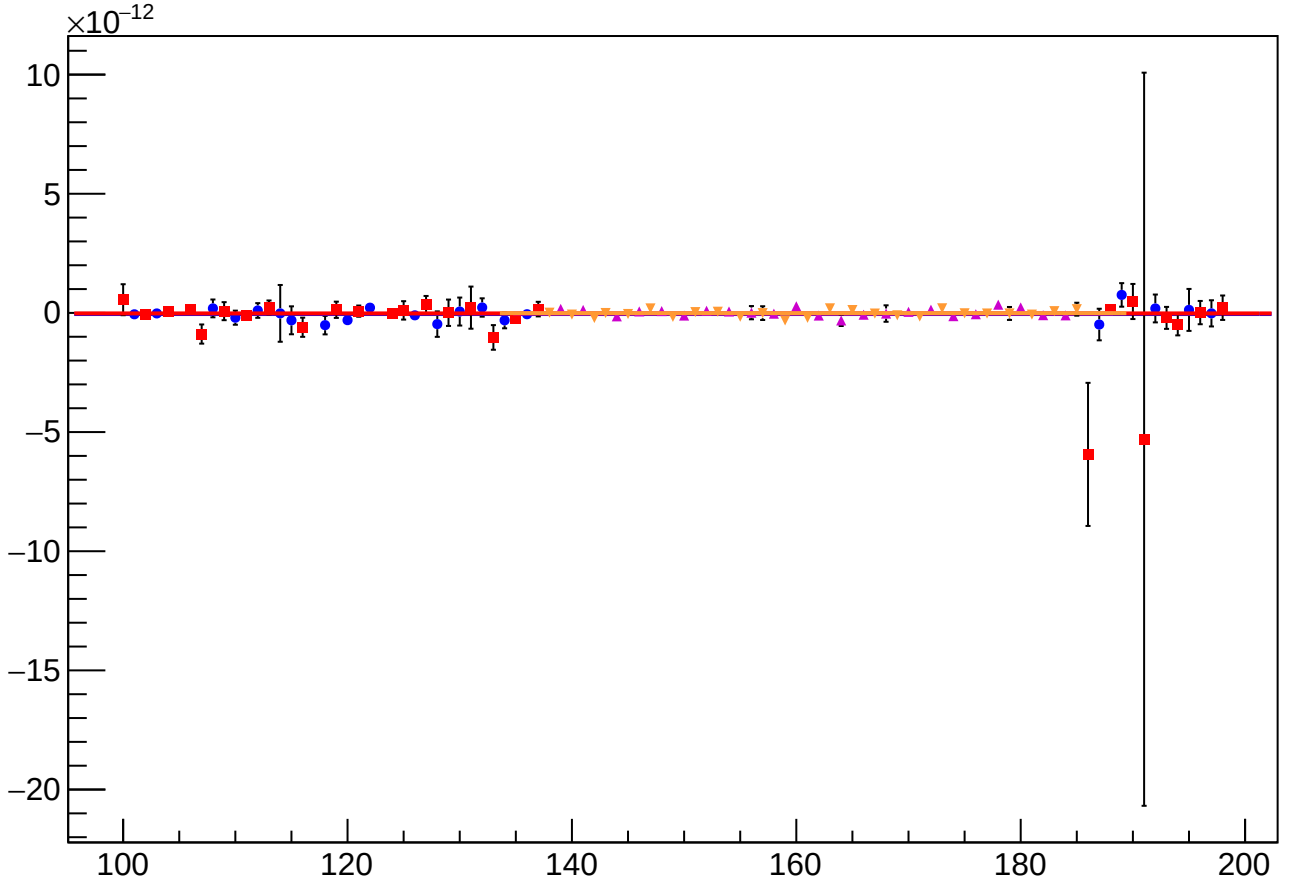
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4181.840+/-0.555 χ^2/NDF: 2796778.8/45

All: 4177.435+/-0.389 χ^2/NDF: 5988910.8/95

- sign 4173.165+/-0.546 χ^2/NDF: 3192007.9/49

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

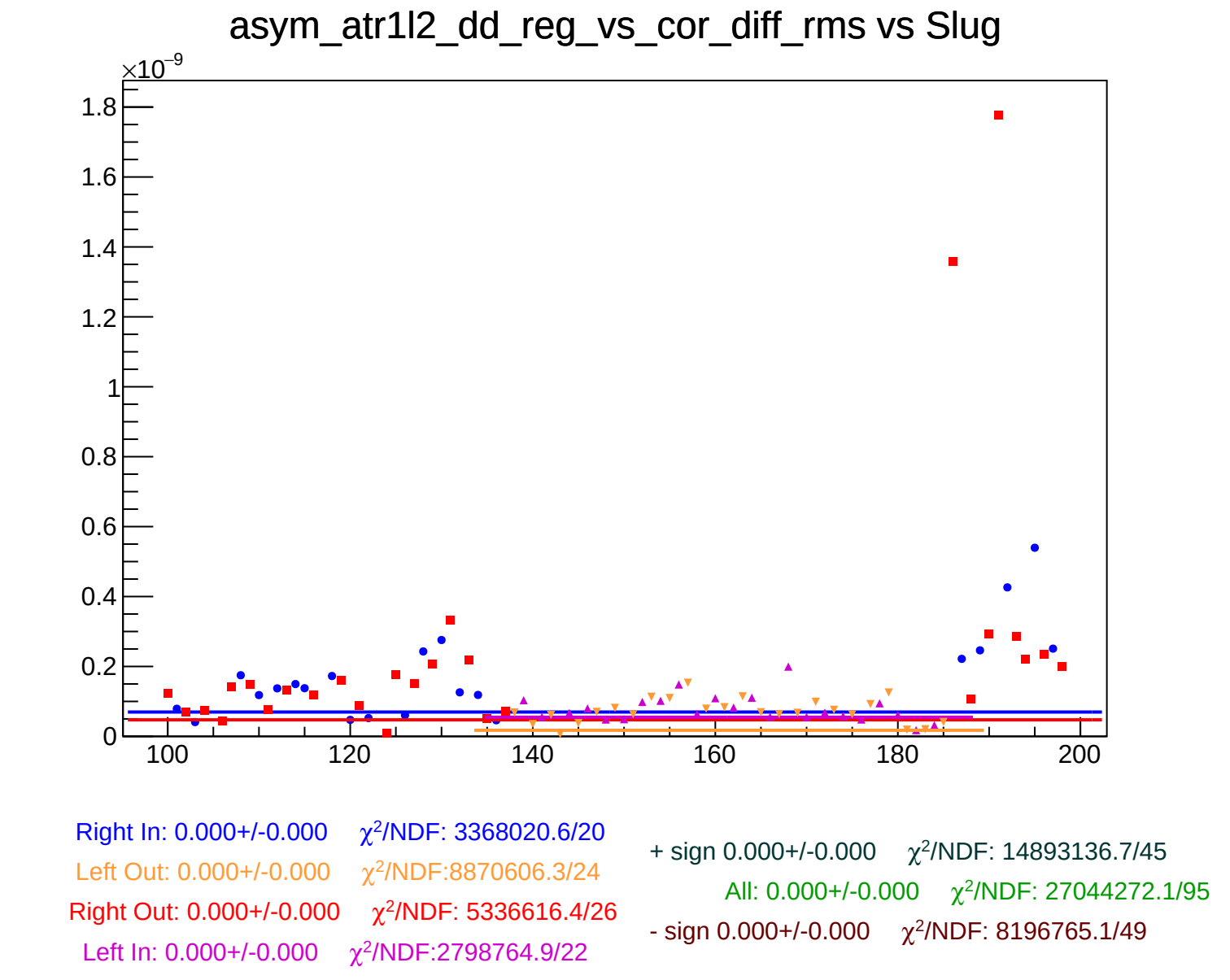
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

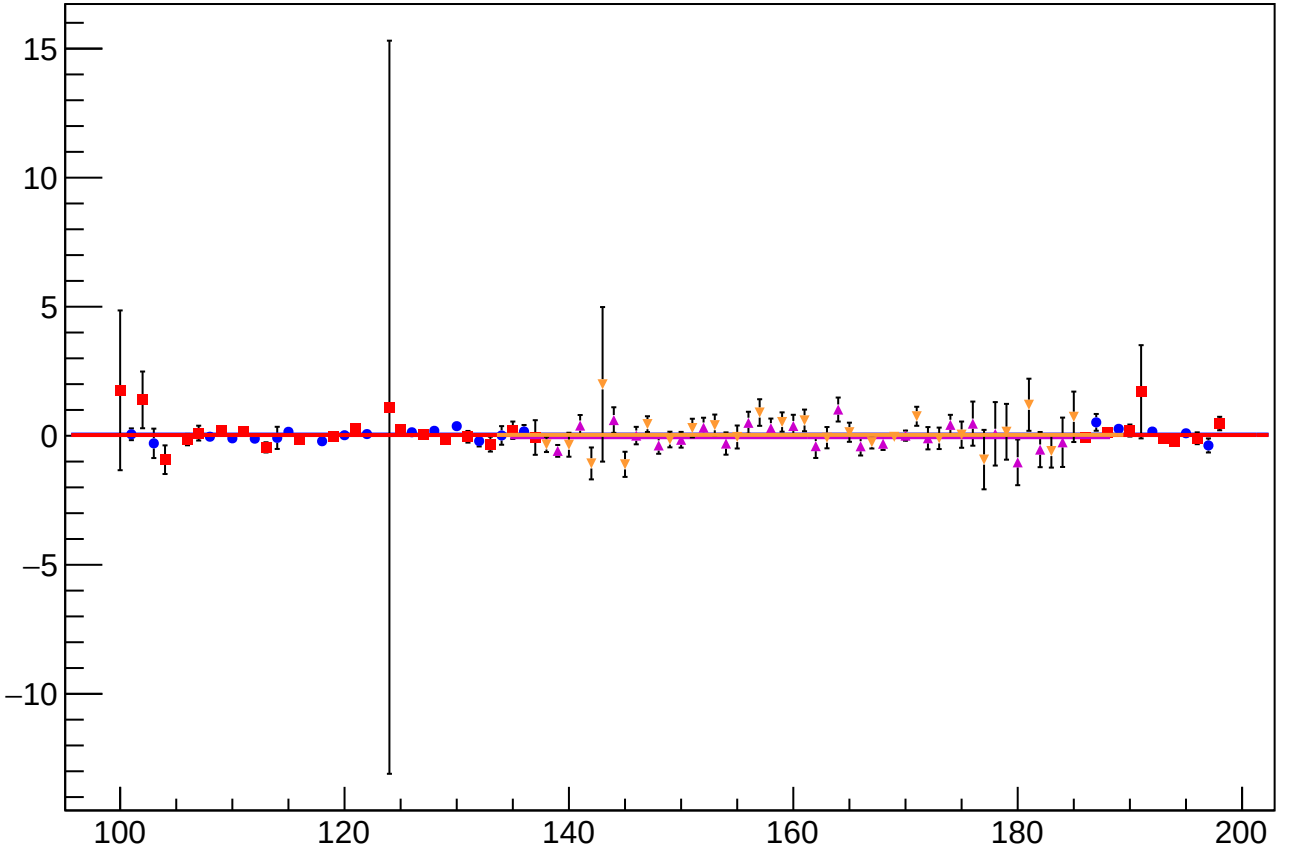
+ sign -0.000+/-0.000 χ^2/NDF: 35.4/45

All: -0.000+/-0.000 χ^2/NDF: 86.5/95

- sign -0.000+/-0.000 χ^2/NDF: 51.1/49


asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3368020.6/20
Left Out: 0.000+/-0.000 χ²/NDF:8870606.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 5336616.4/26
Left In: 0.000+/-0.000 χ²/NDF:2798764.9/22
+ sign 0.000+/-0.000 χ²/NDF: 14893136.7/45
All: 0.000+/-0.000 χ²/NDF: 27044272.1/95
- sign 0.000+/-0.000 χ²/NDF: 8196765.1/49

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.028+/-0.036 χ^2/NDF: 31.3/26

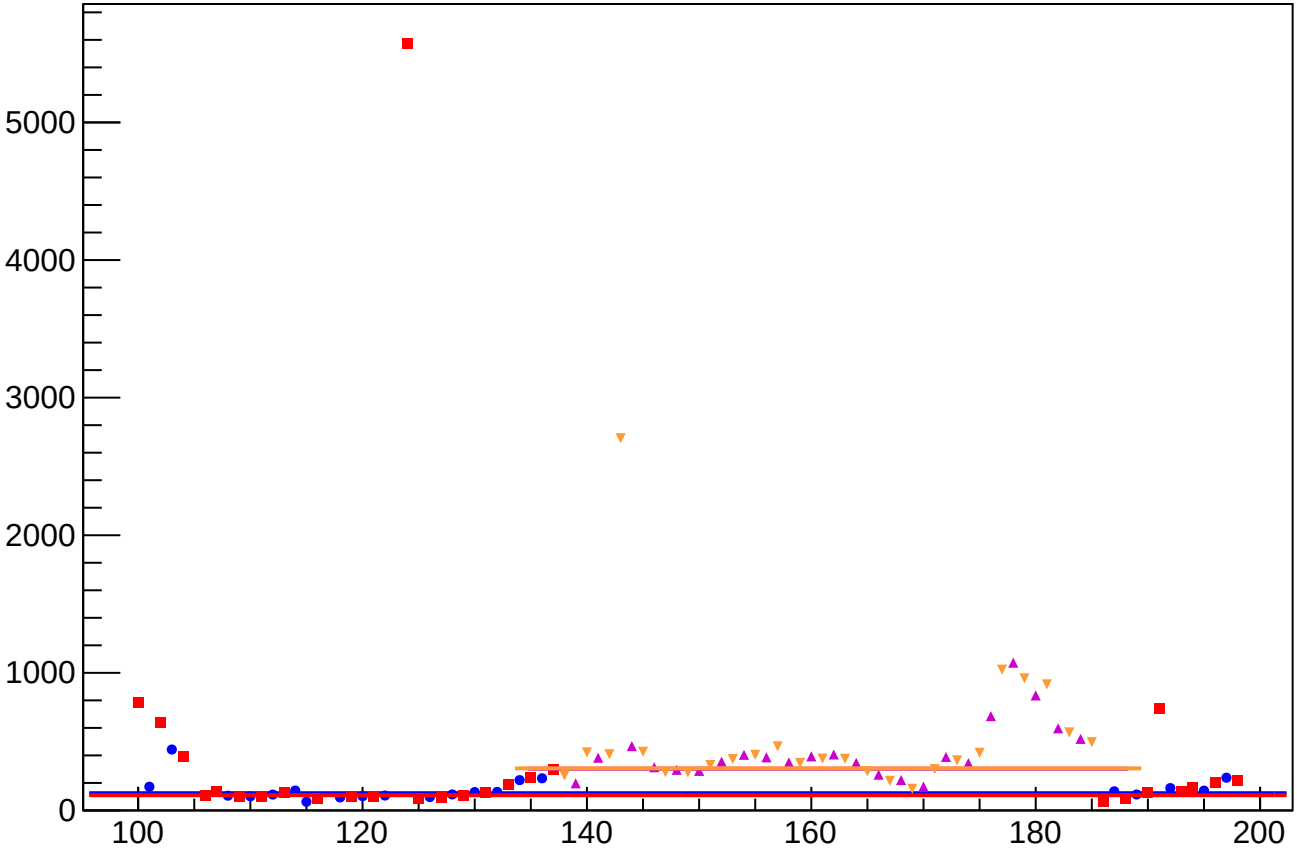
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.043+/-0.037 χ^2/NDF: 49.6/45

All: 0.026+/-0.024 χ^2/NDF: 108.3/95

- sign 0.013+/-0.032 χ^2/NDF: 58.3/49

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 125.240+/-0.030 χ^2/NDF: 2245491.8/20

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 110.890+/-0.025 χ^2/NDF: 3911732.1/26

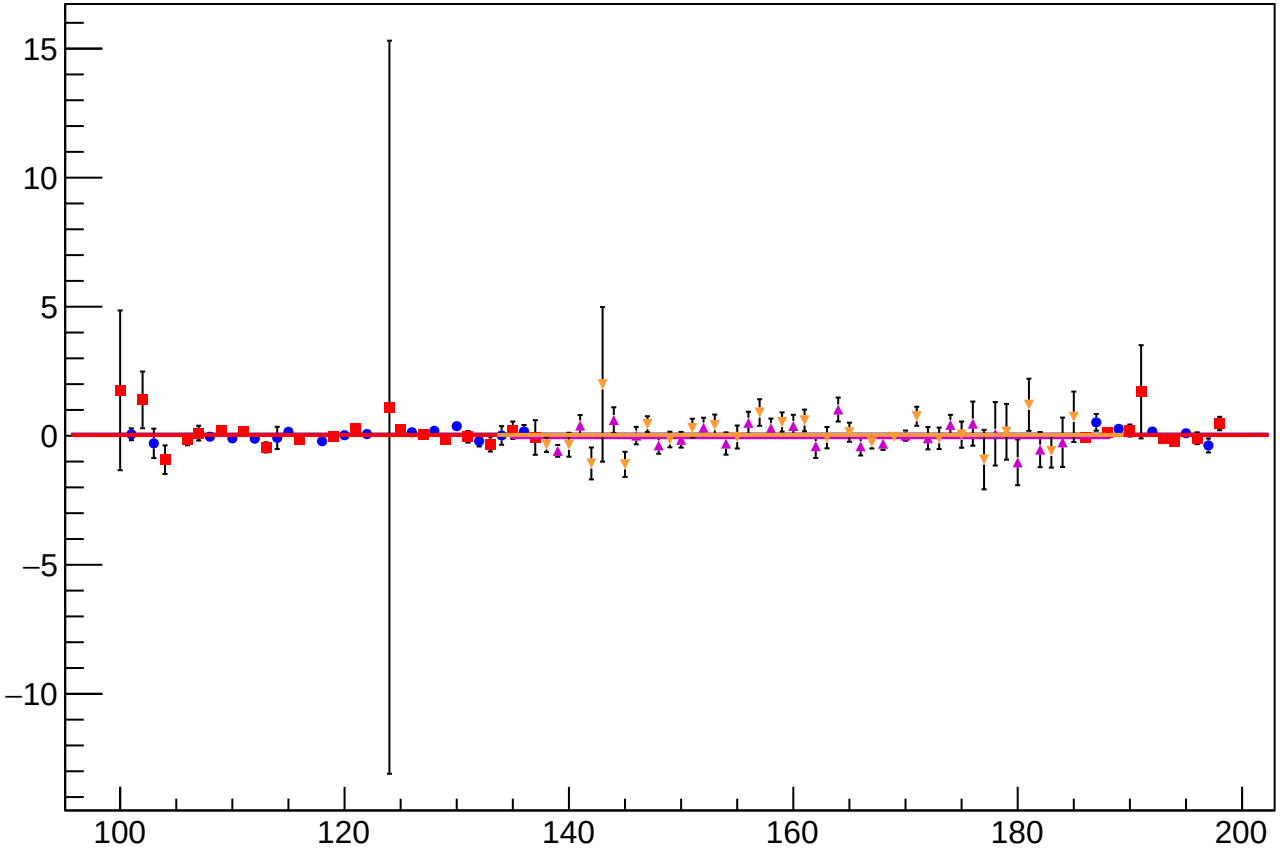
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.784+/-0.026 χ^2/NDF: 17220489.4/45

All: 153.938+/-0.017 χ^2/NDF: 36515165.0/95

- sign 144.786+/-0.023 χ^2/NDF: 18929634.7/49

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.028+/-0.036 χ^2/NDF: 31.3/26

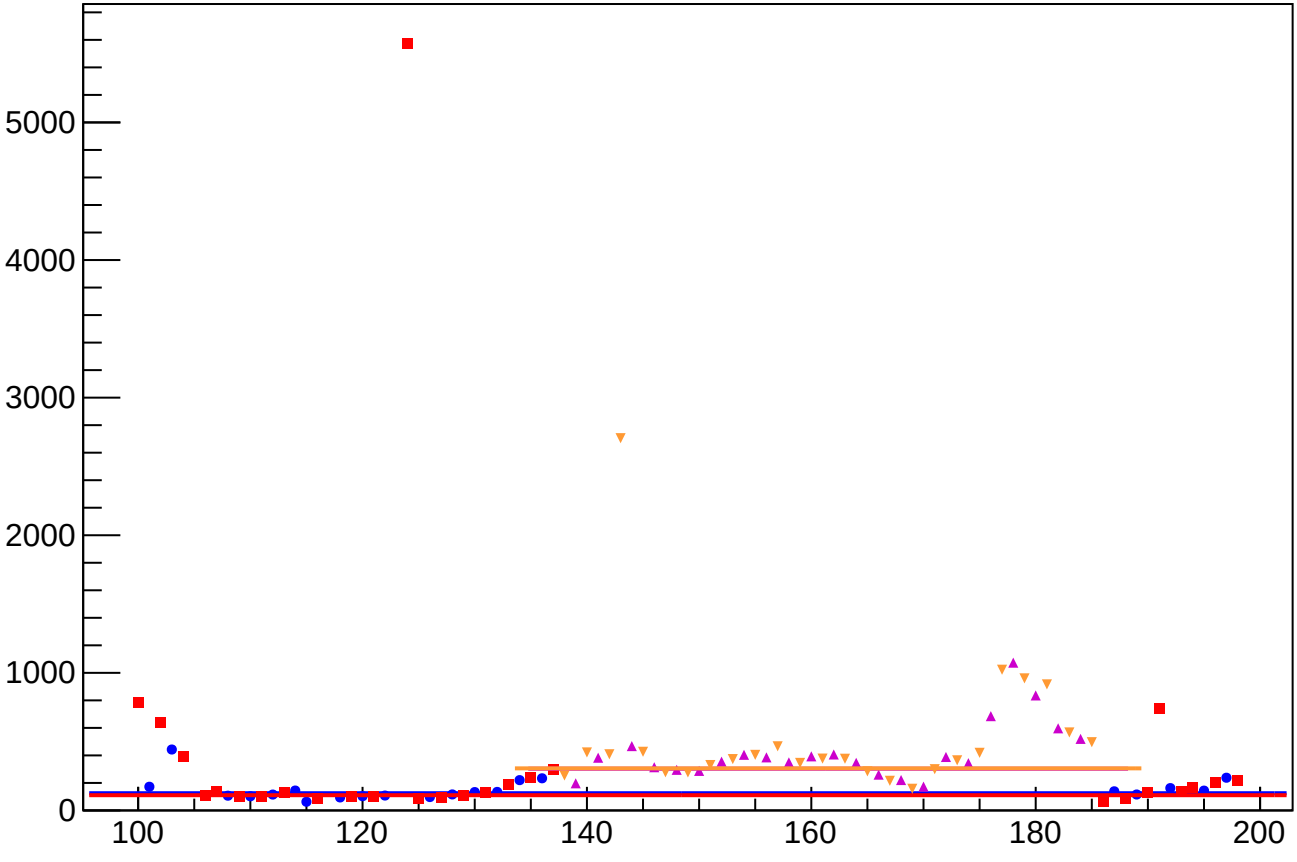
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.043+/-0.037 χ^2/NDF: 49.6/45

All: 0.026+/-0.024 χ^2/NDF: 108.3/95

- sign 0.013+/-0.032 χ^2/NDF: 58.3/49

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 125.240+/-0.030 χ^2/NDF: 2245491.8/20

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

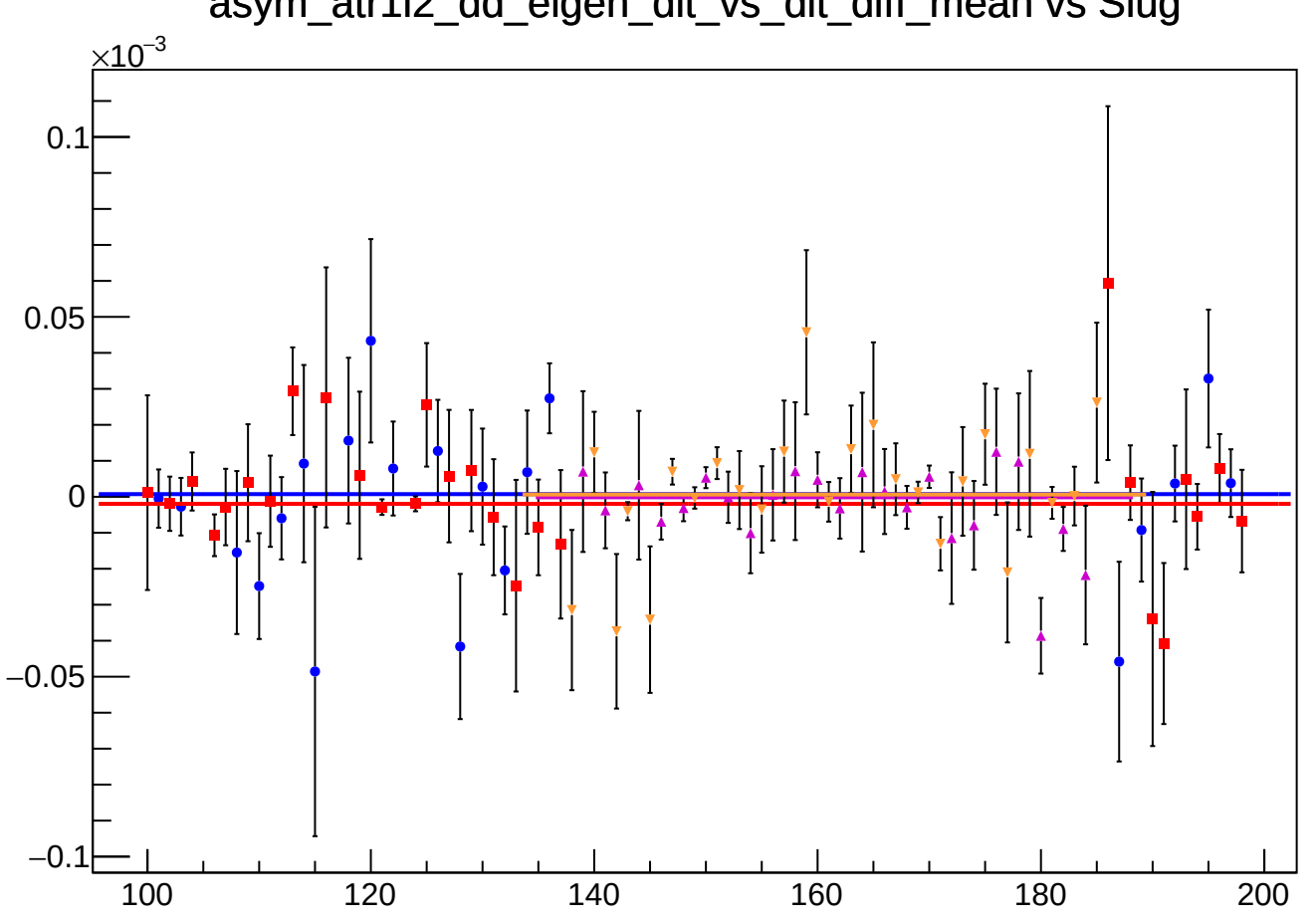
Right Out: 110.890+/-0.025 χ^2/NDF: 3911732.1/26

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.784+/-0.026 χ^2/NDF: 17220489.4/45

All: 153.938+/-0.017 χ^2/NDF: 36515165.0/95

- sign 144.786+/-0.023 χ^2/NDF: 18929634.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/26

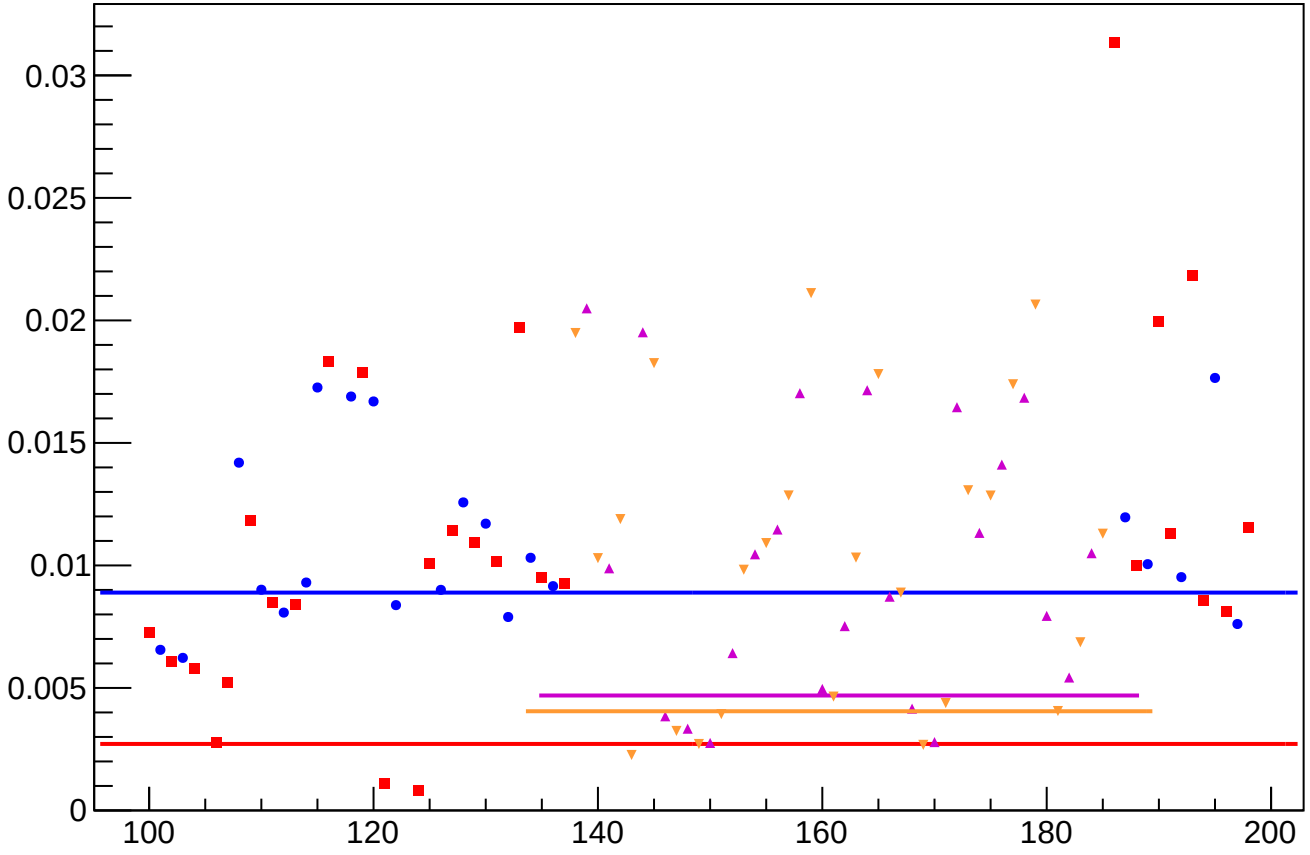
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/45

All: -0.000+/-0.000 χ^2/NDF: 119.2/95

- sign -0.000+/-0.000 χ^2/NDF: 52.7/49

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1628951.2/20

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 15298484.1/26

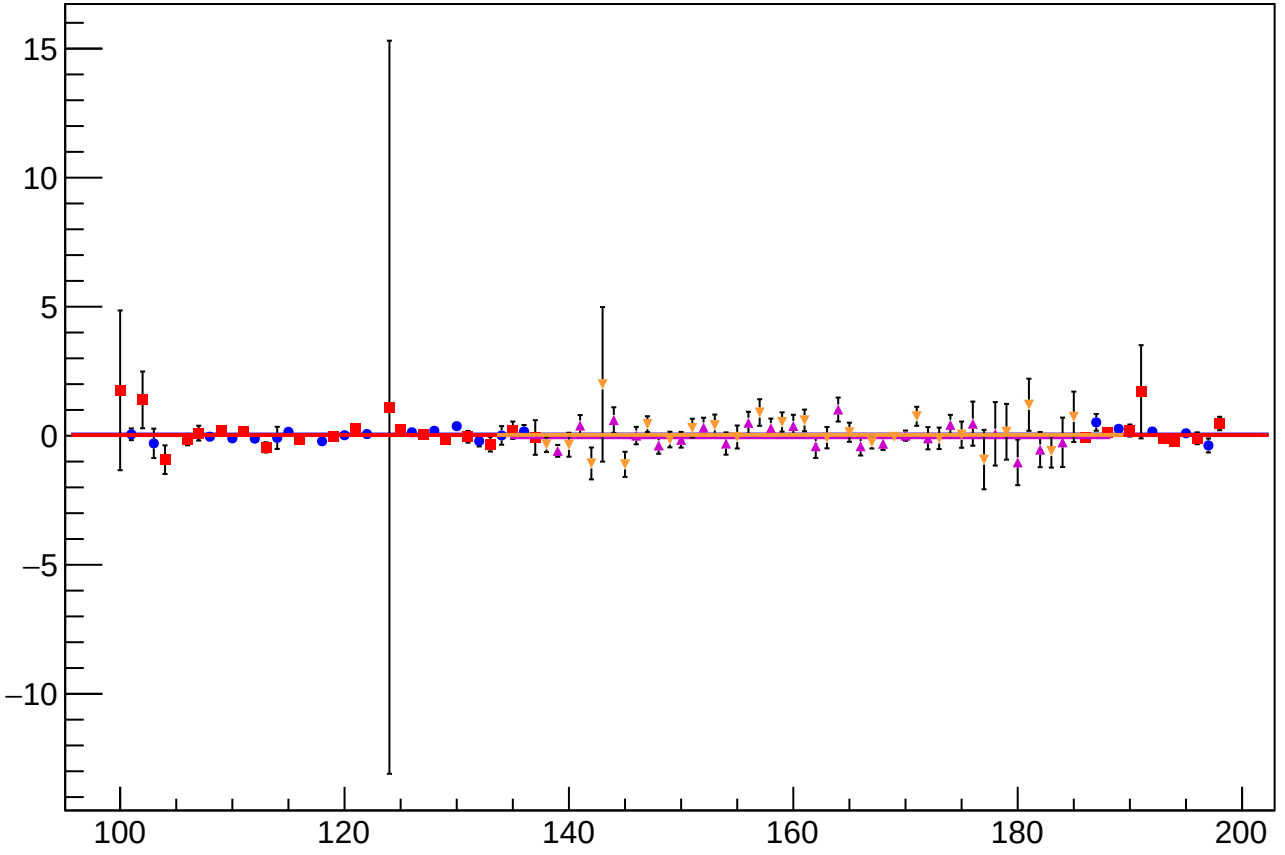
Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 19886560.6/45

All: 0.004+/-0.000 χ^2/NDF: 49382702.7/95

- sign 0.004+/-0.000 χ^2/NDF: 28315135.2/49

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.028+/-0.036 χ^2/NDF: 31.3/26

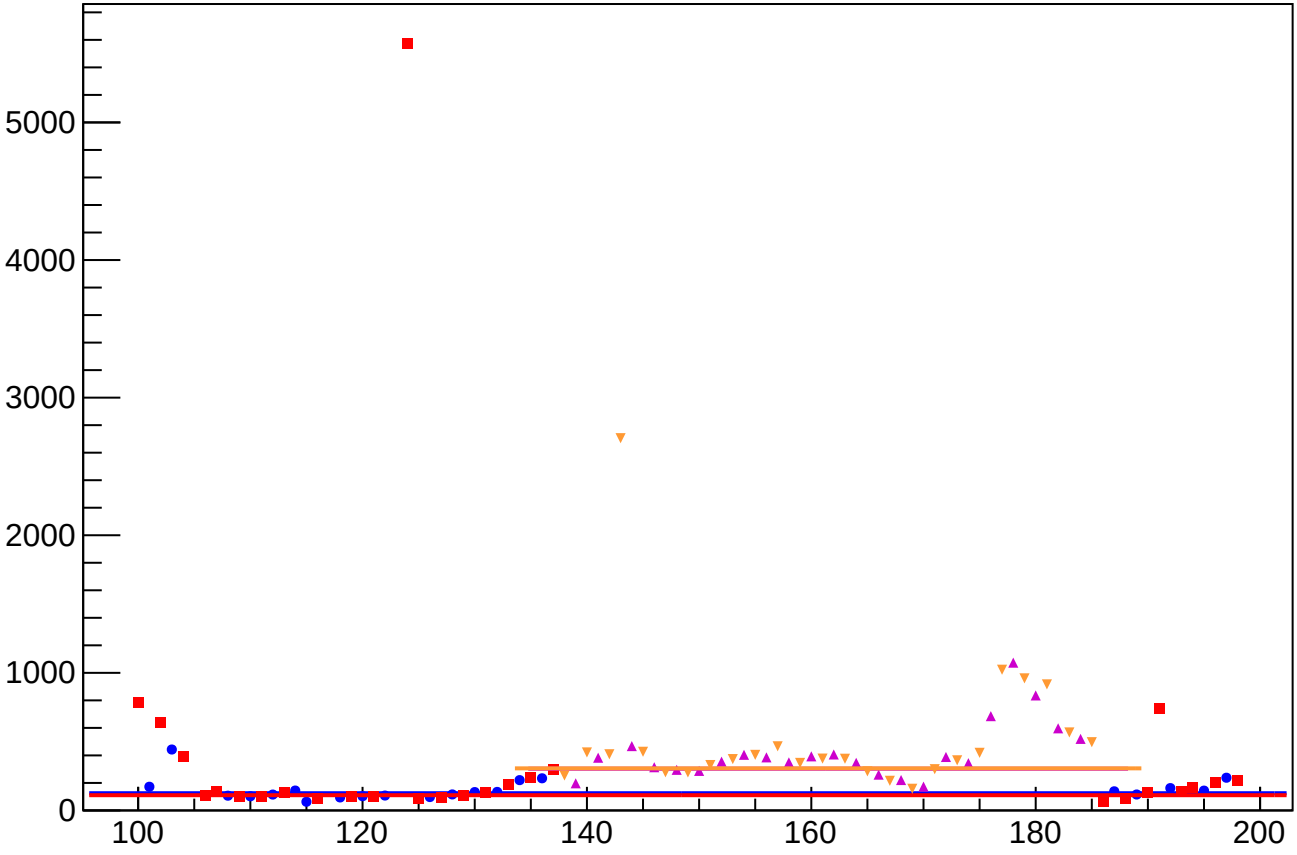
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.043+/-0.037 χ^2/NDF: 49.6/45

All: 0.026+/-0.024 χ^2/NDF: 108.3/95

- sign 0.013+/-0.032 χ^2/NDF: 58.3/49

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 125.240+/-0.030 χ^2/NDF: 2245477.0/20

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

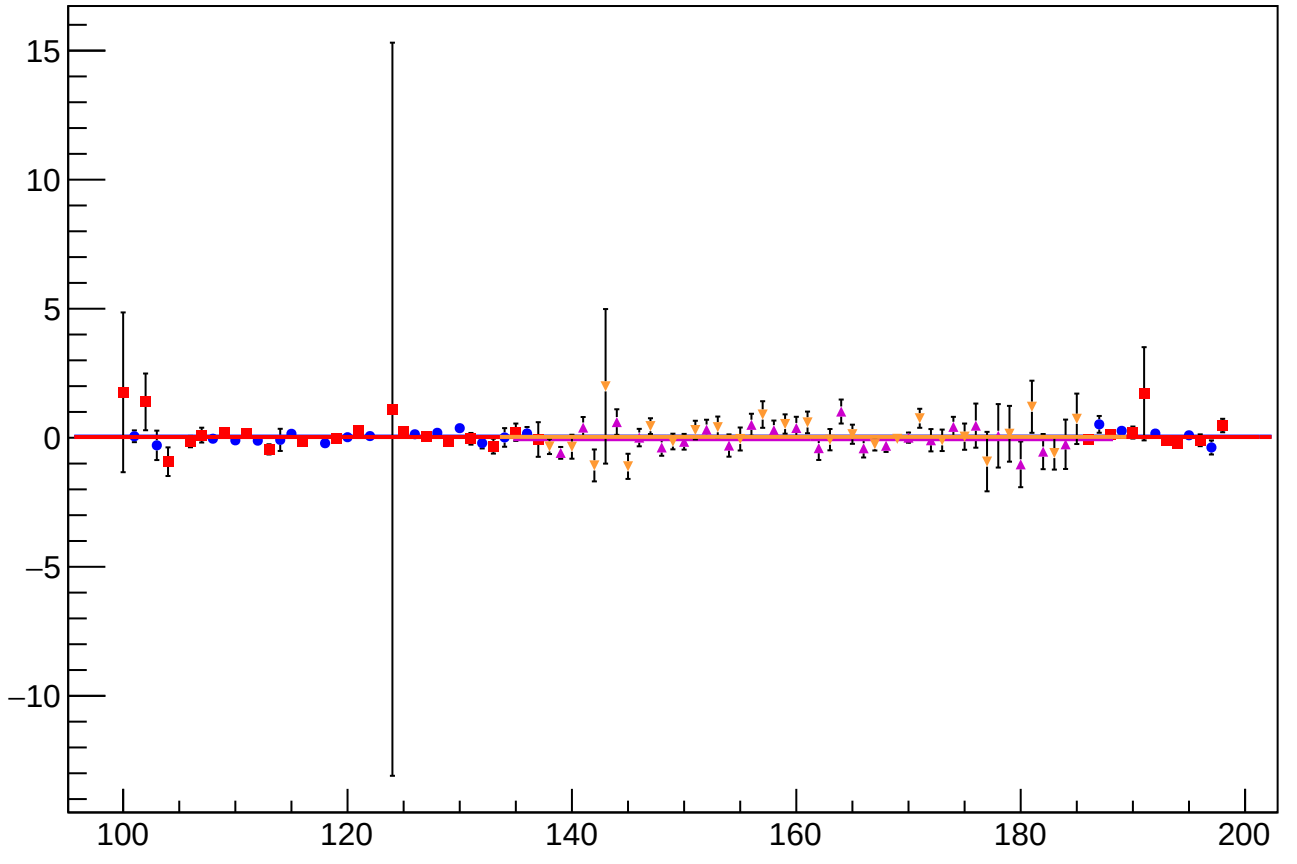
Right Out: 110.891+/-0.025 χ^2/NDF: 3911552.4/26

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.784+/-0.026 χ^2/NDF: 17220558.0/45

All: 153.939+/-0.017 χ^2/NDF: 36515064.1/95

- sign 144.787+/-0.023 χ^2/NDF: 18929478.3/49



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

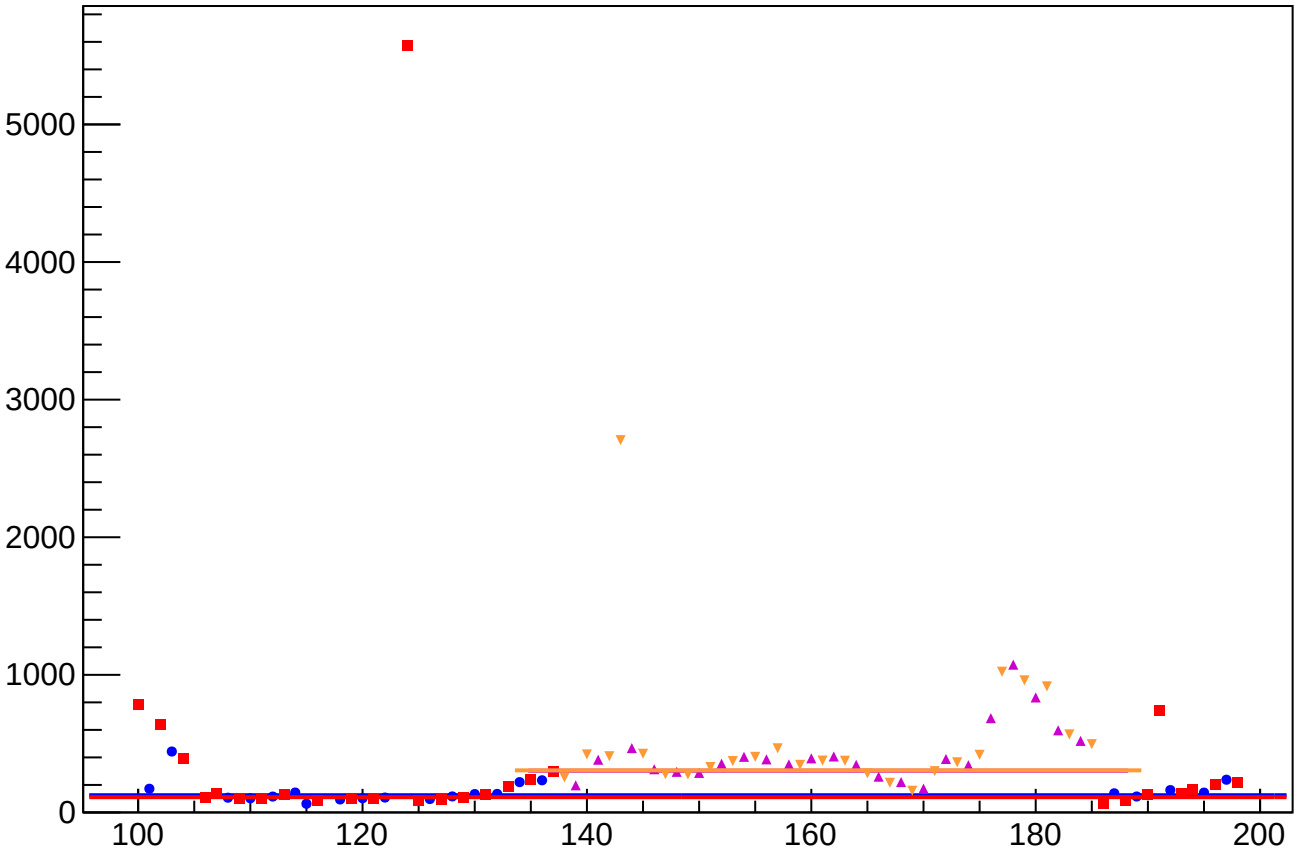
Right Out: 0.028+/-0.036 χ^2/NDF: 31.3/26

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.043+/-0.037 χ^2/NDF: 49.6/45

All: 0.026+/-0.024 χ^2/NDF: 108.3/95

- sign 0.013+/-0.032 χ^2/NDF: 58.3/49



Right In: 125.240+/-0.030 χ^2/NDF: 2245477.0/20

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

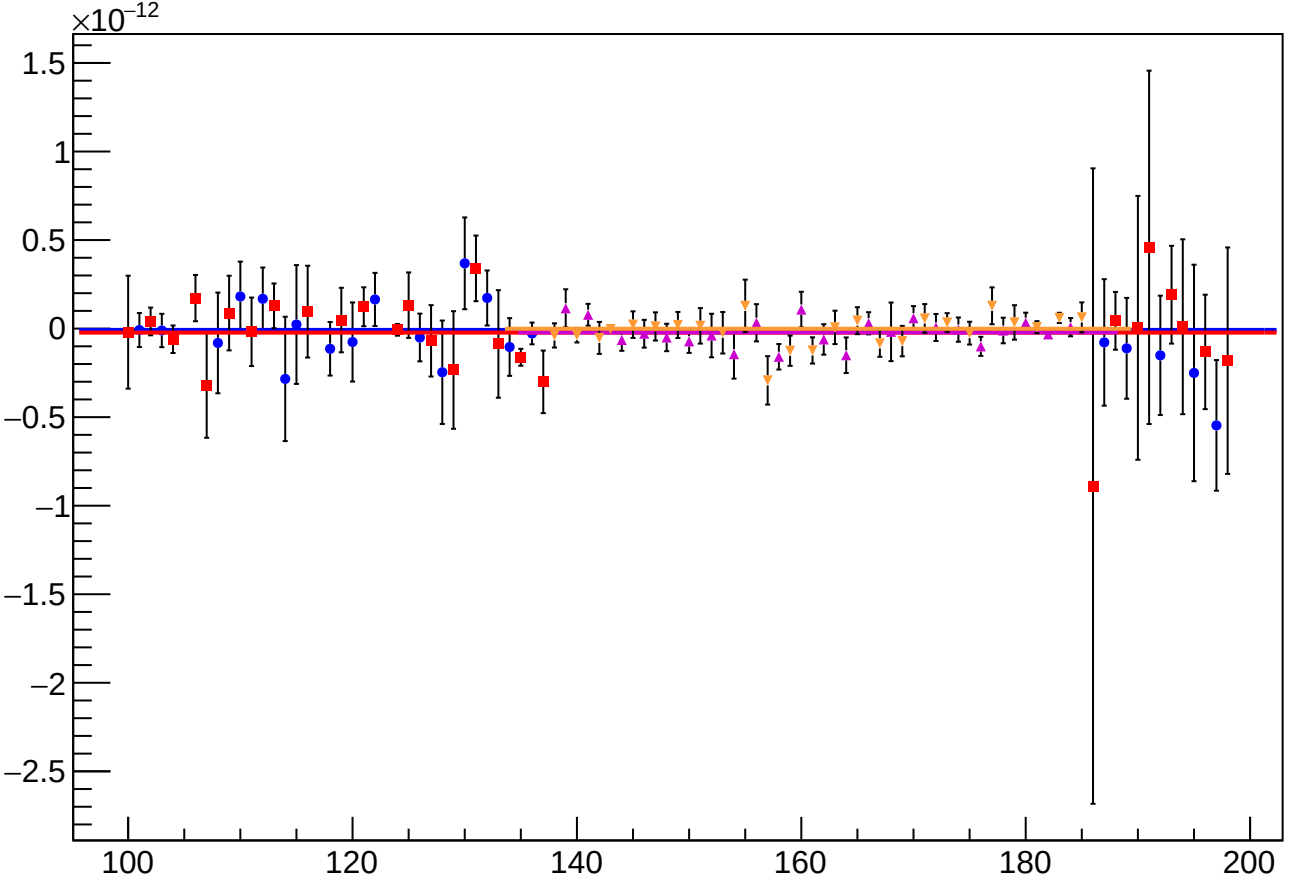
Right Out: 110.891+/-0.025 χ^2/NDF: 3911552.4/26

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.784+/-0.026 χ^2/NDF: 17220558.0/45

All: 153.939+/-0.017 χ^2/NDF: 36515064.1/95

- sign 144.787+/-0.023 χ^2/NDF: 18929478.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

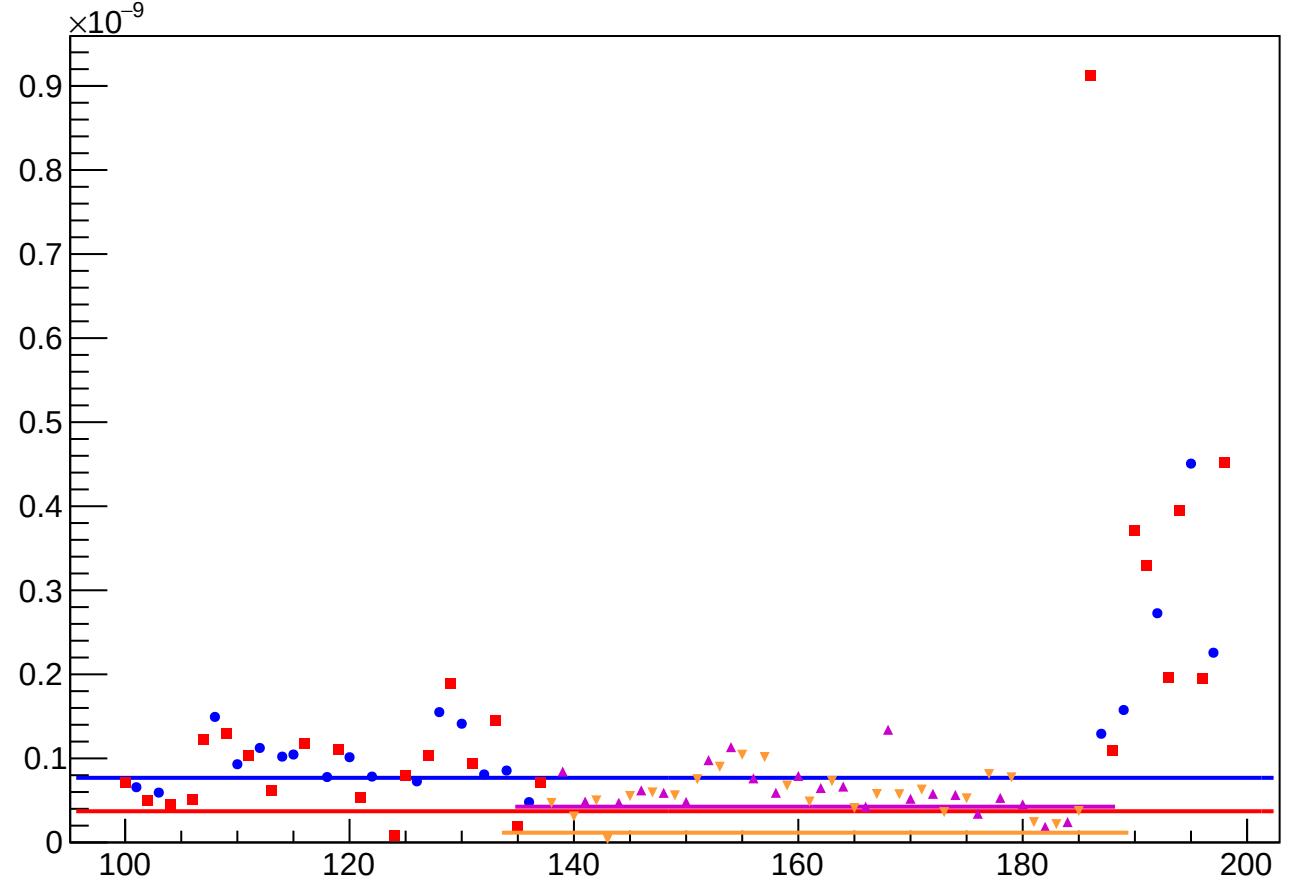
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/26

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.9/45

All: -0.000+/-0.000 χ^2/NDF: 81.9/95

- sign -0.000+/-0.000 χ^2/NDF: 45.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 3040695.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9022224.4/26

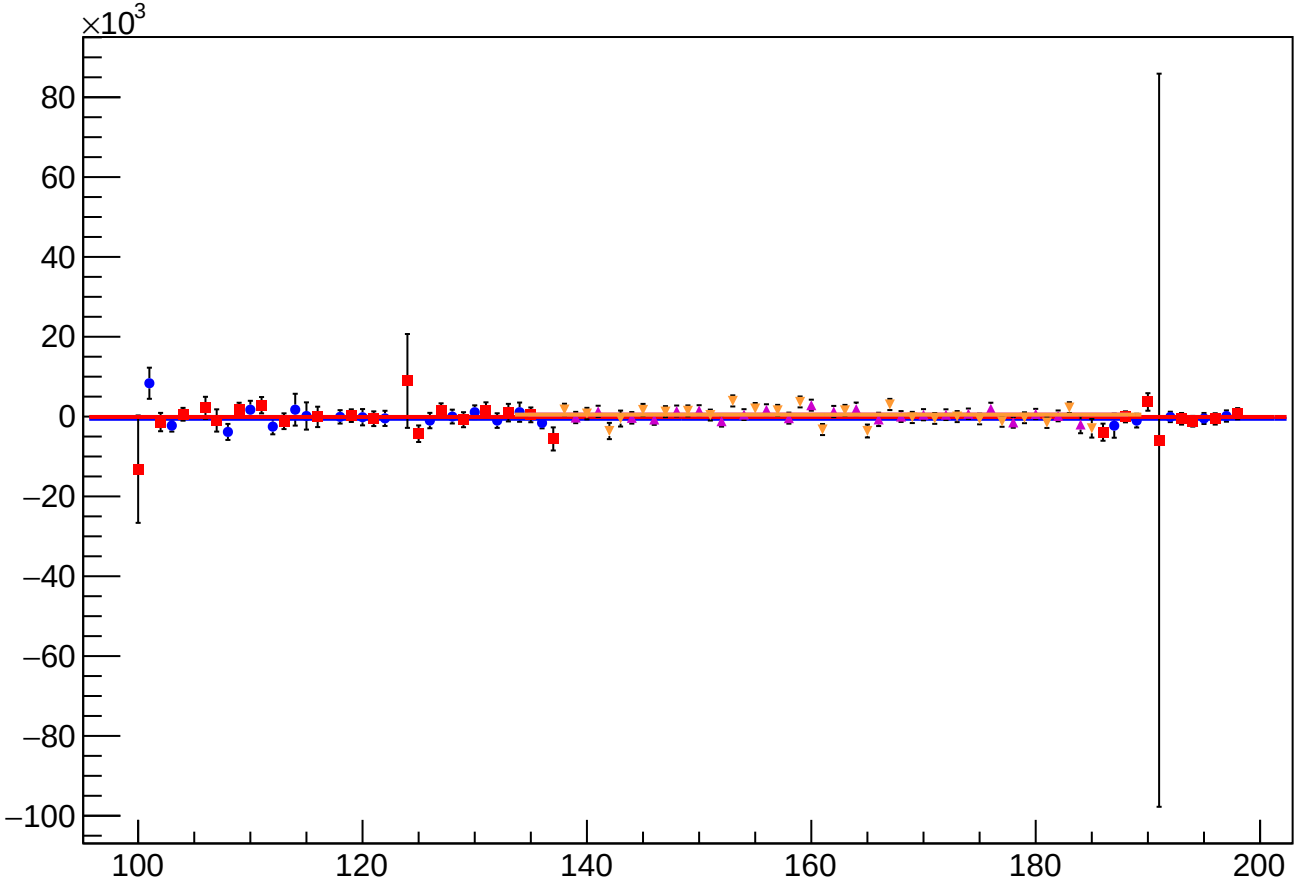
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 28192688.3/45

All: 0.000+/-0.000 χ^2/NDF: 52161197.0/95

- sign 0.000+/-0.000 χ^2/NDF: 14536283.2/49

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -554.707+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -94.811+/-372.963 χ^2/NDF: 23.3/26

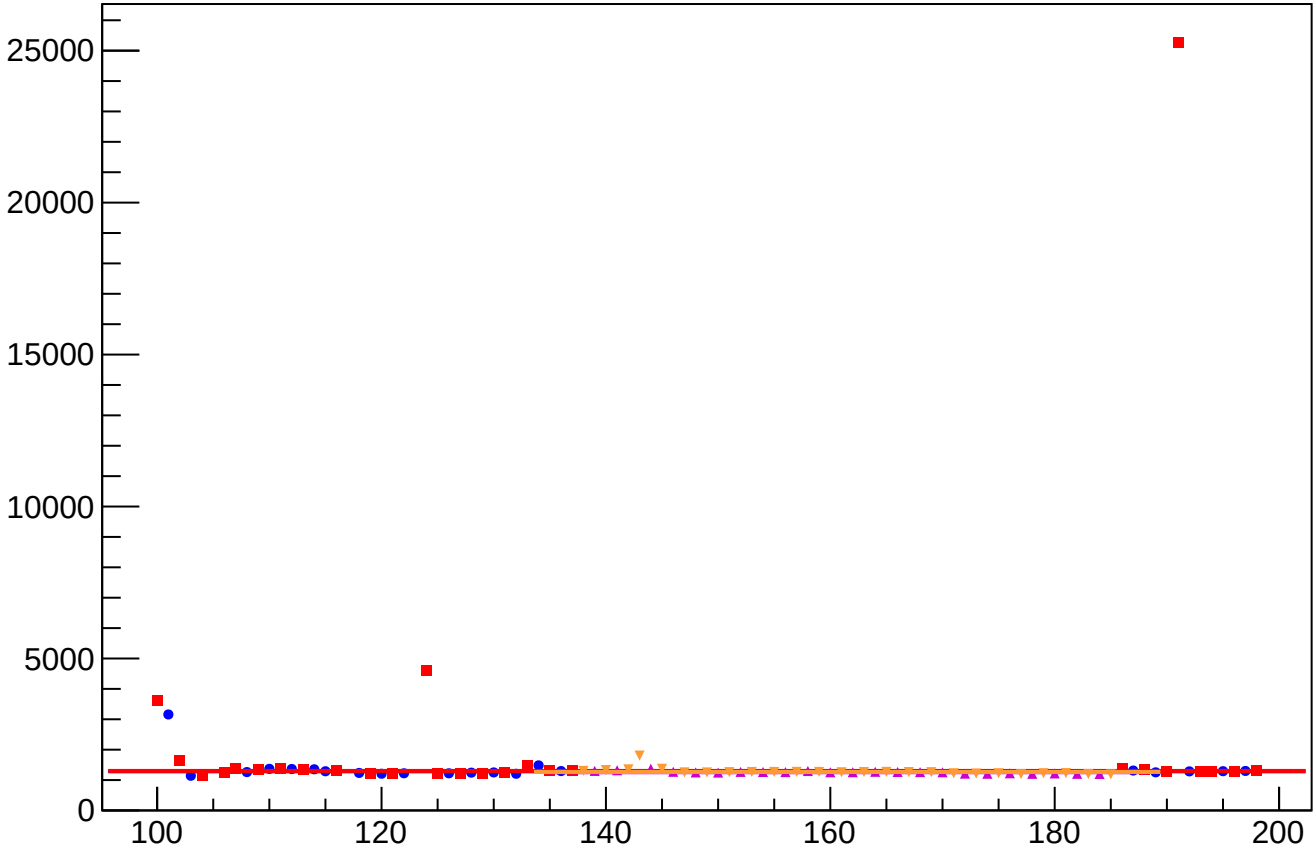
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 134.016+/-234.010 χ^2/NDF: 66.1/45

All: 199.978+/-164.315 χ^2/NDF: 105.5/95

- sign 264.130+/-230.777 χ^2/NDF: 39.2/49

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515758.7/20

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

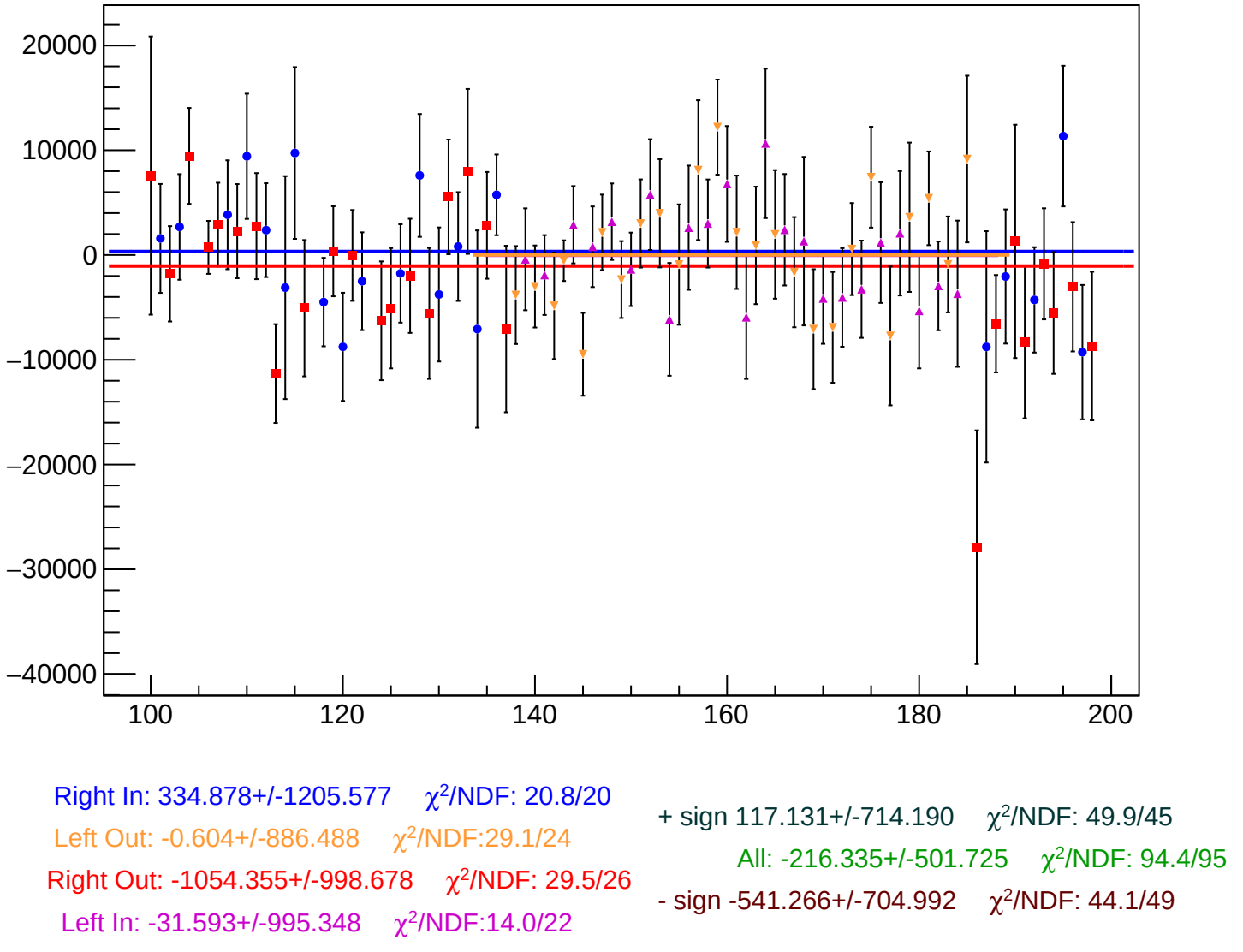
Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

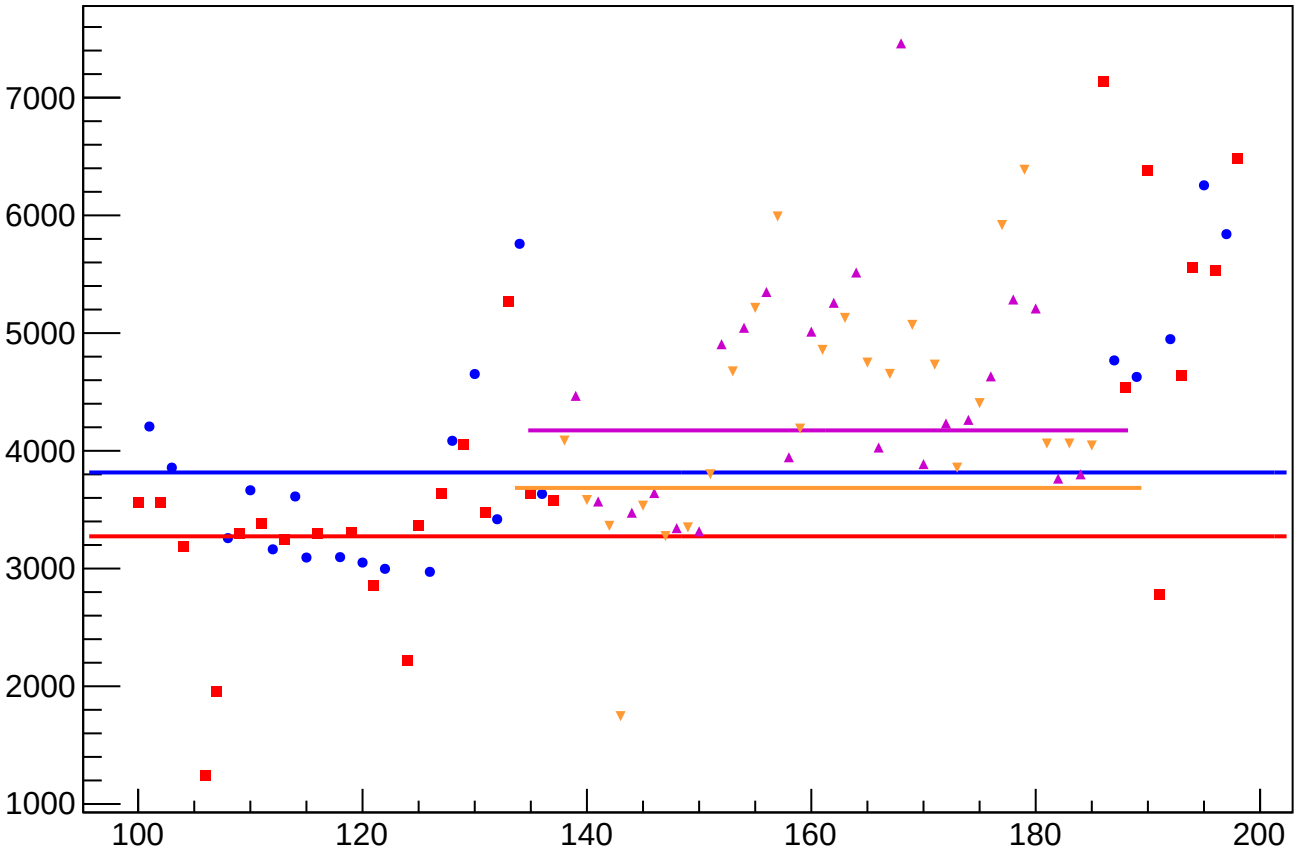
Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707202.5/45

All: 1274.251+/-0.116 χ^2/NDF: 1226358.9/95

- sign 1274.090+/-0.163 χ^2/NDF: 519154.5/49


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 334.878+/-1205.577 χ²/NDF: 20.8/20
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: -1054.355+/-998.678 χ²/NDF: 29.5/26
Left In: -31.593+/-995.348 χ²/NDF:14.0/22
+ sign 117.131+/-714.190 χ²/NDF: 49.9/45
All: -216.335+/-501.725 χ²/NDF: 94.4/95
- sign -541.266+/-704.992 χ²/NDF: 44.1/49



Right In: 3816.131+/-0.852 χ^2/NDF: 1074419.0/20

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

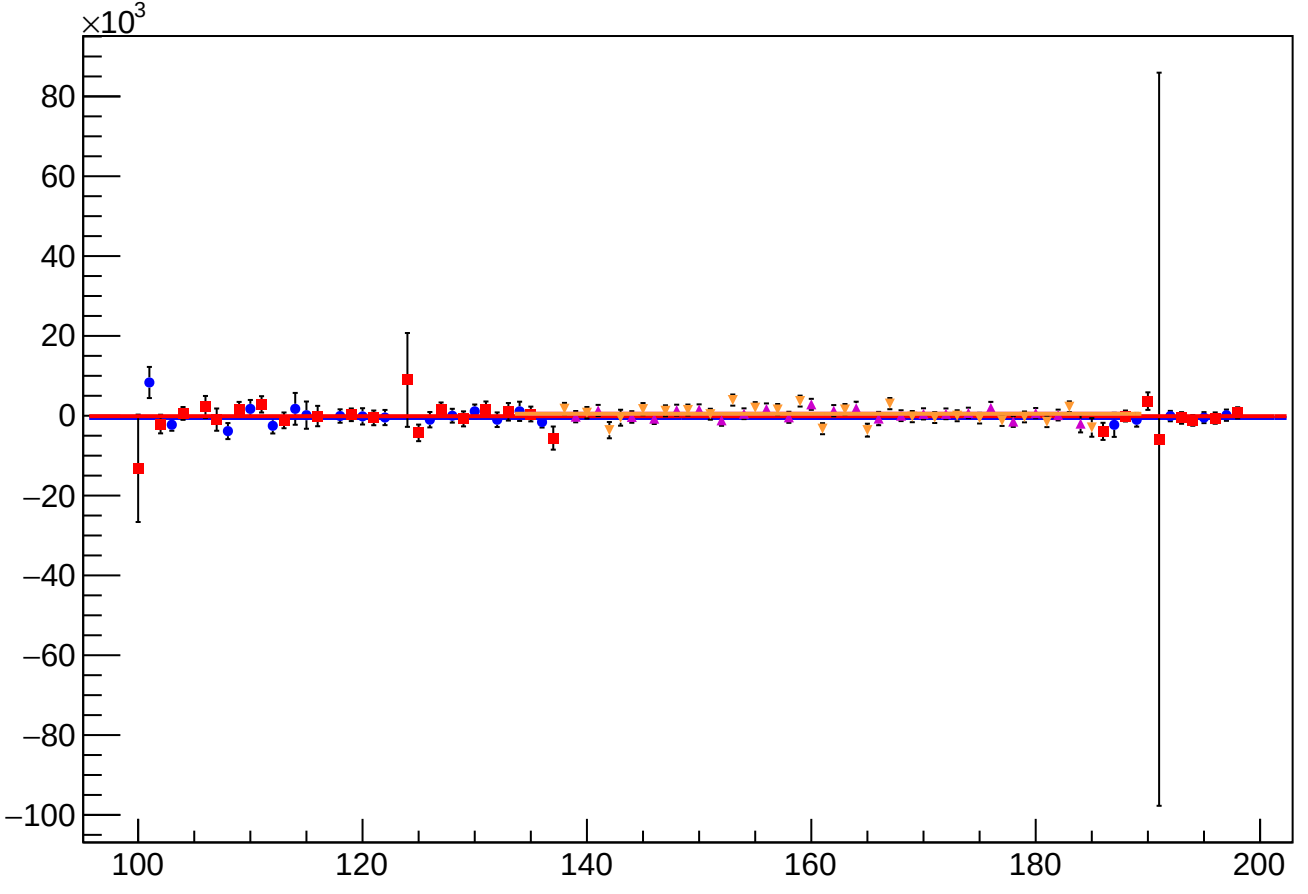
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3730.869+/-0.505 χ^2/NDF: 4783477.7/45

All: 3727.971+/-0.355 χ^2/NDF: 10339661.8/9

- sign 3725.147+/-0.499 χ^2/NDF: 5556119.1/49

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

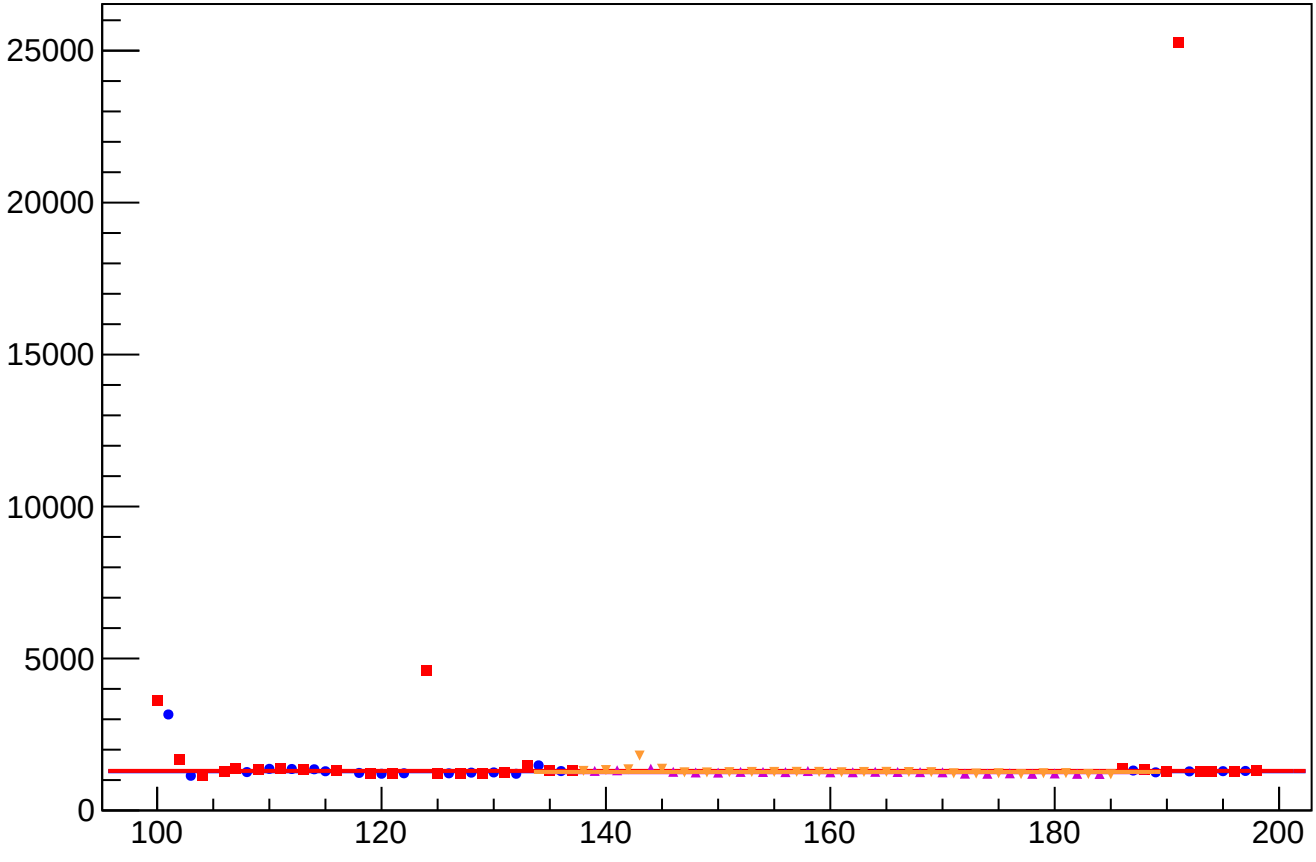
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 196.641+/-164.328 χ^2/NDF: 105.9/95

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

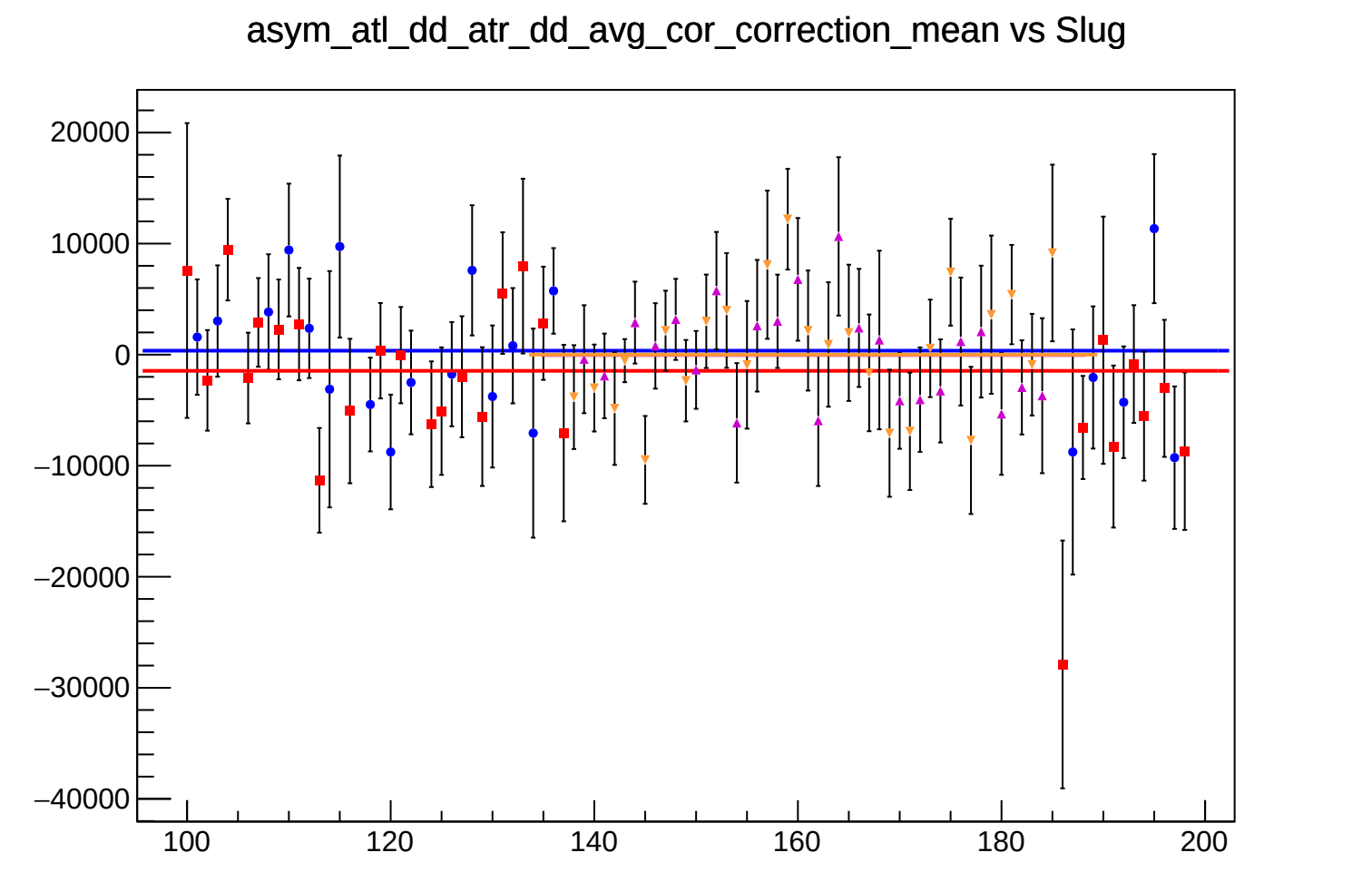
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95

- sign 1274.529+/-0.163 χ^2/NDF: 526539.9/49



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

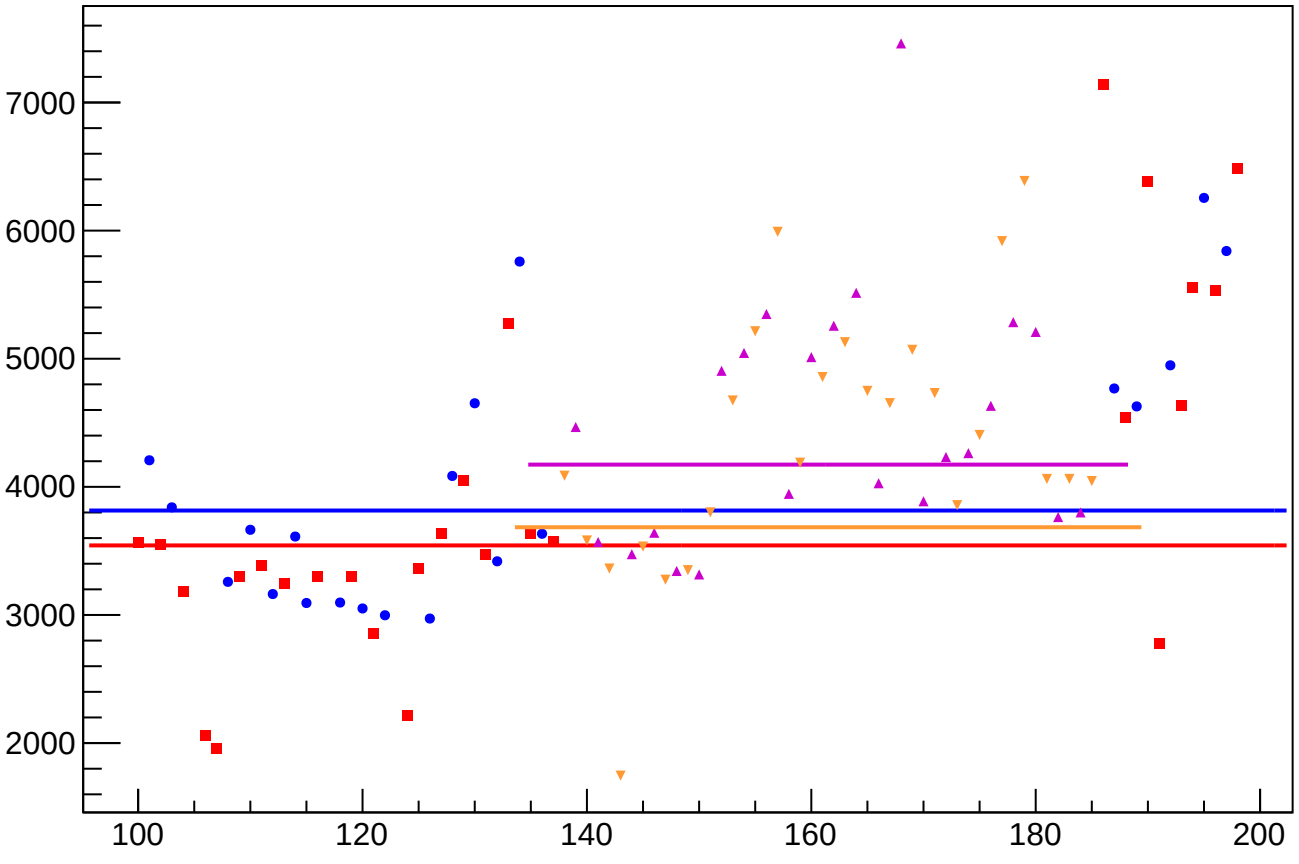
Right Out: -1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 124.798+/-714.119 χ^2/NDF: 50.0/45

All: -286.187+/-507.854 χ^2/NDF: 94.6/95

- sign -706.737+/-722.380 χ^2/NDF: 44.0/49



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

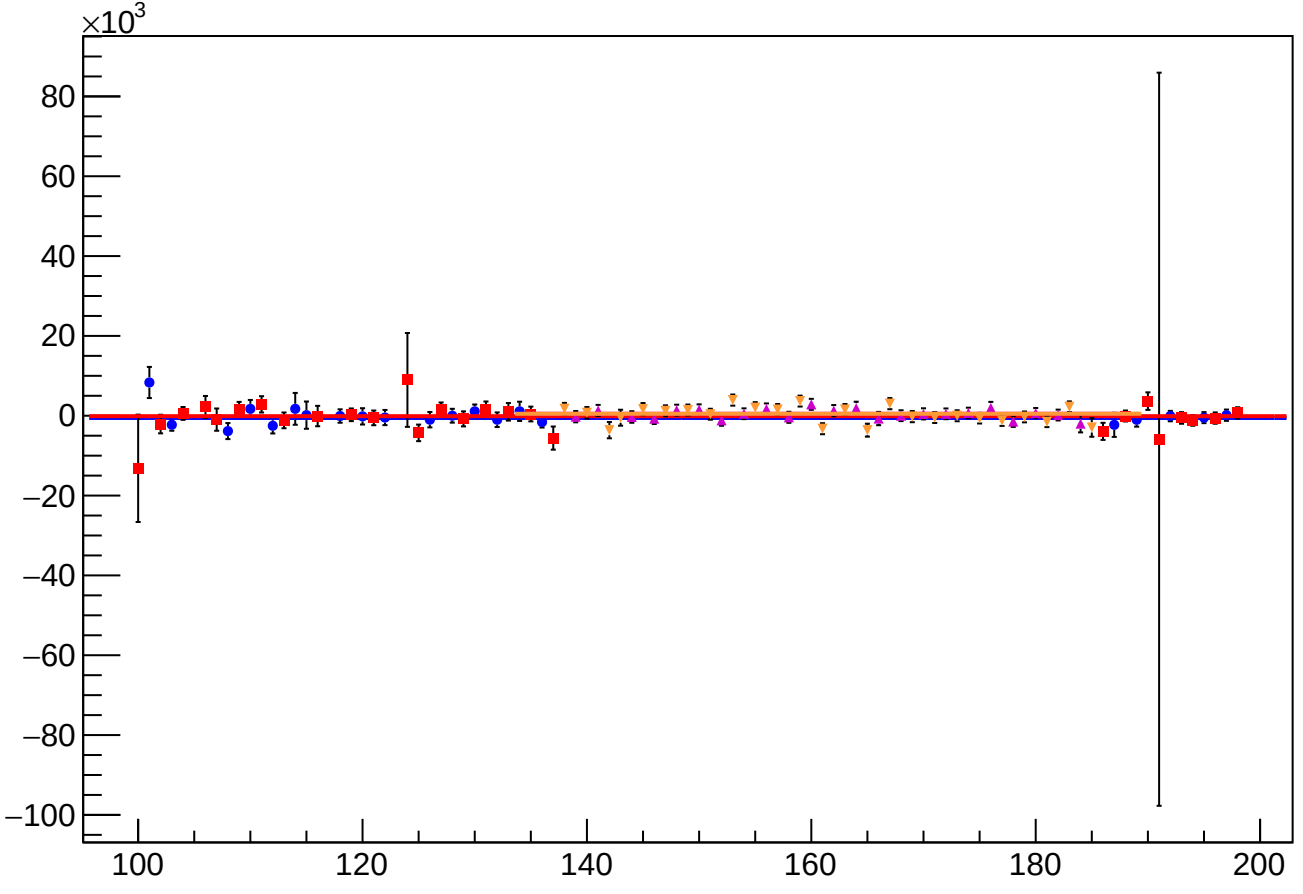
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3730.555+/-0.505 χ^2/NDF: 4783283.5/45

All: 3801.987+/-0.359 χ^2/NDF: 8698820.3/95

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

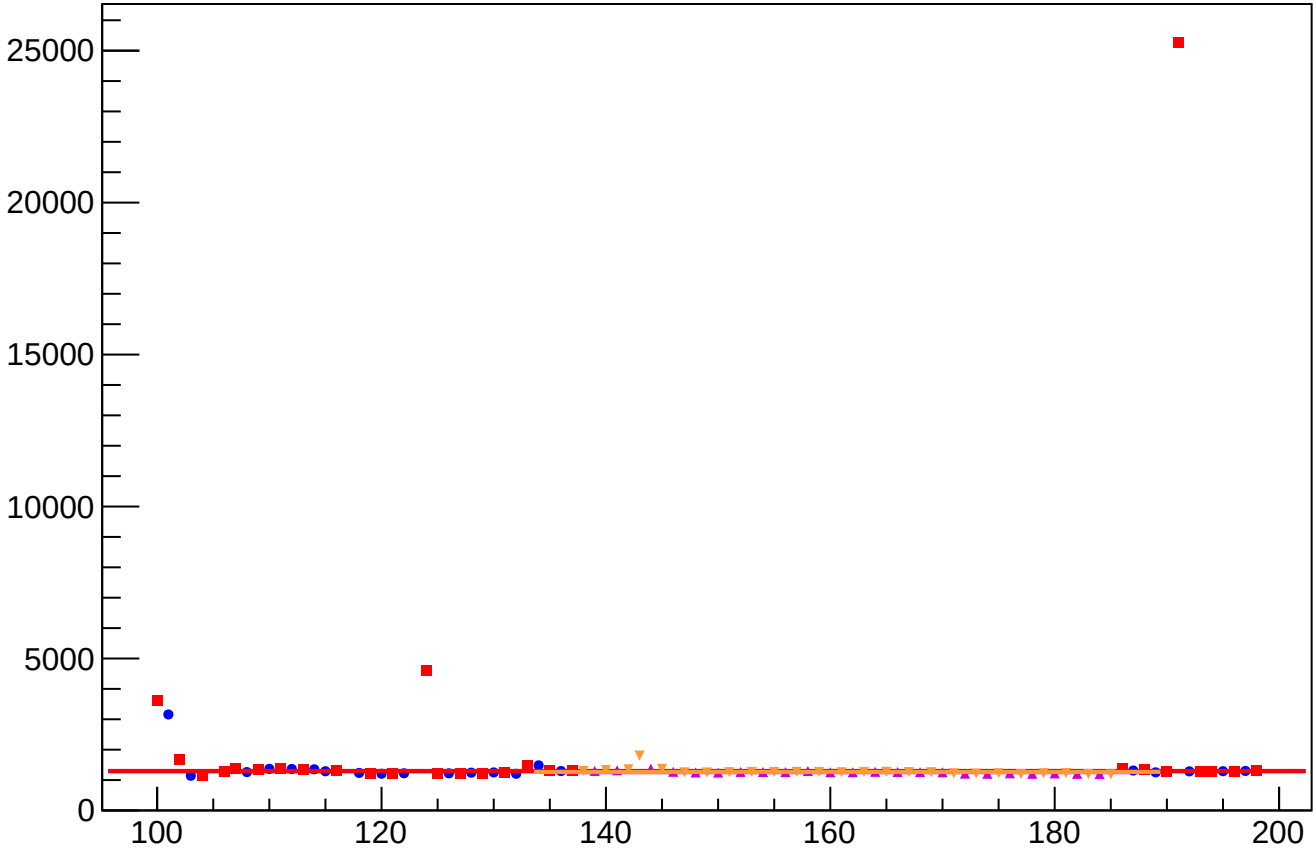
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 196.641+/-164.328 χ^2/NDF: 105.9/95

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

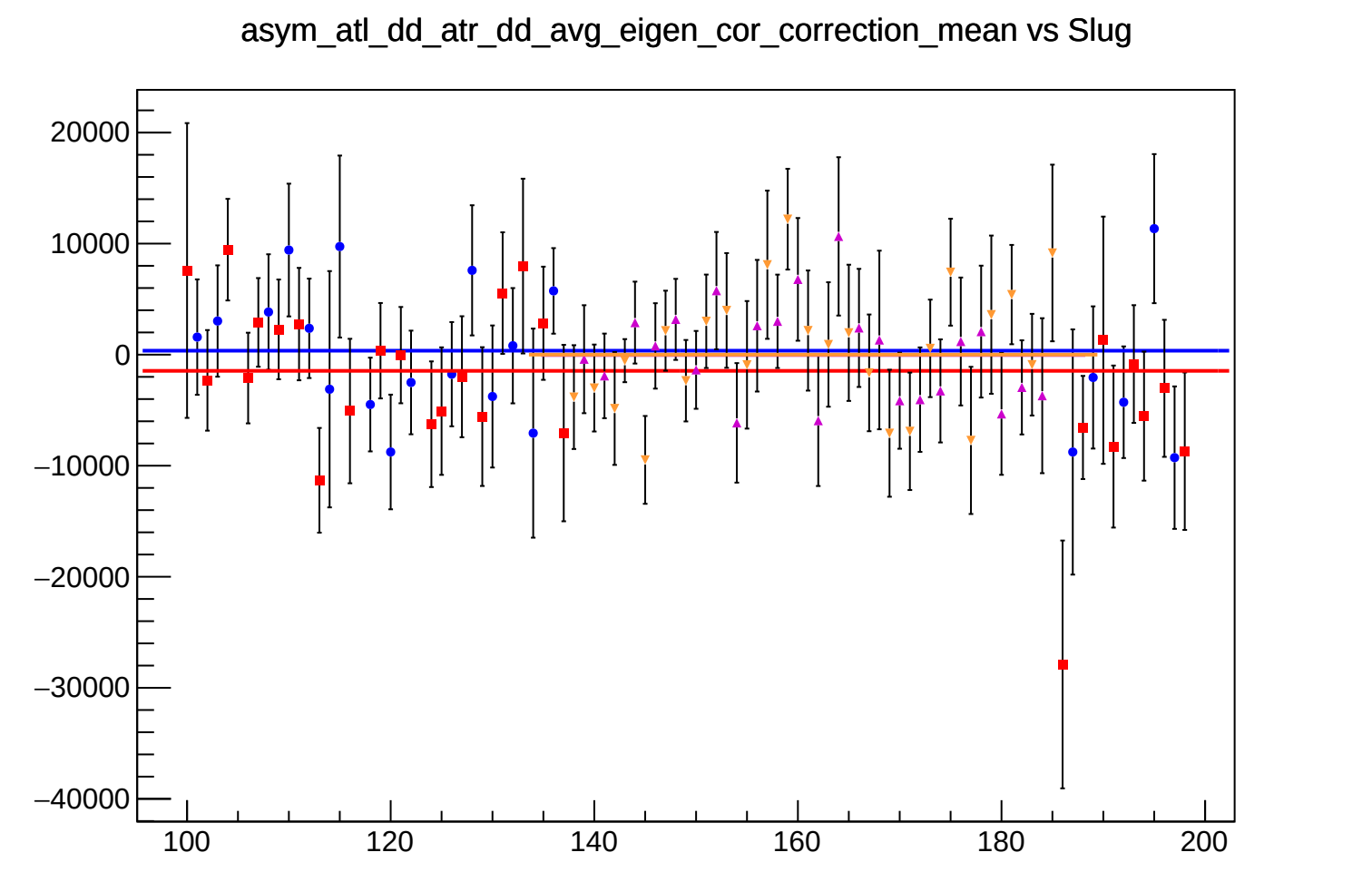
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

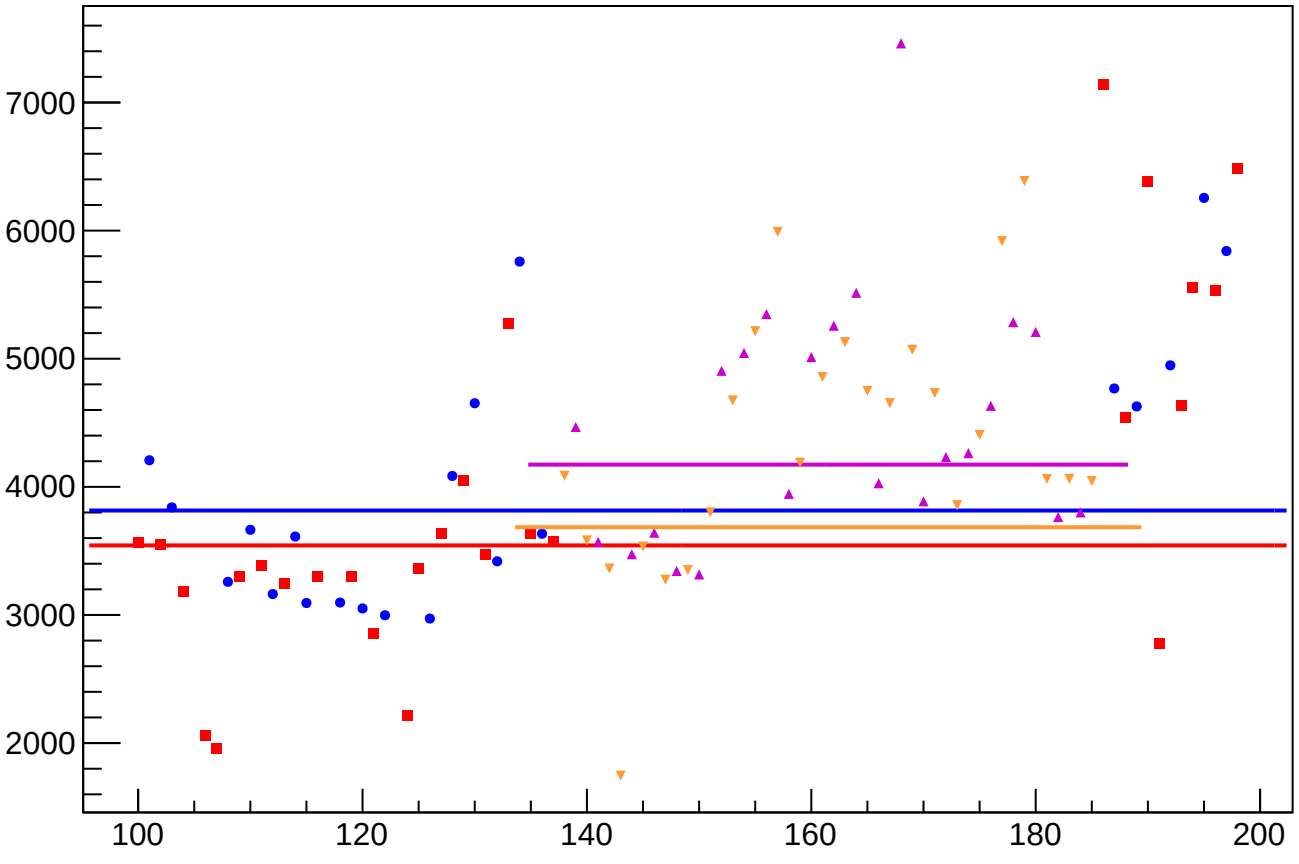
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95

- sign 1274.529+/-0.163 χ^2/NDF: 526539.9/49


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 356.476+/-1205.235 χ²/NDF: 20.9/20
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1458.117+/-1050.045 χ²/NDF: 29.0/26
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 124.798+/-714.119 χ²/NDF: 50.0/45
All: -286.187+/-507.854 χ²/NDF: 94.6/95
- sign -706.737+/-722.380 χ²/NDF: 44.0/49



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

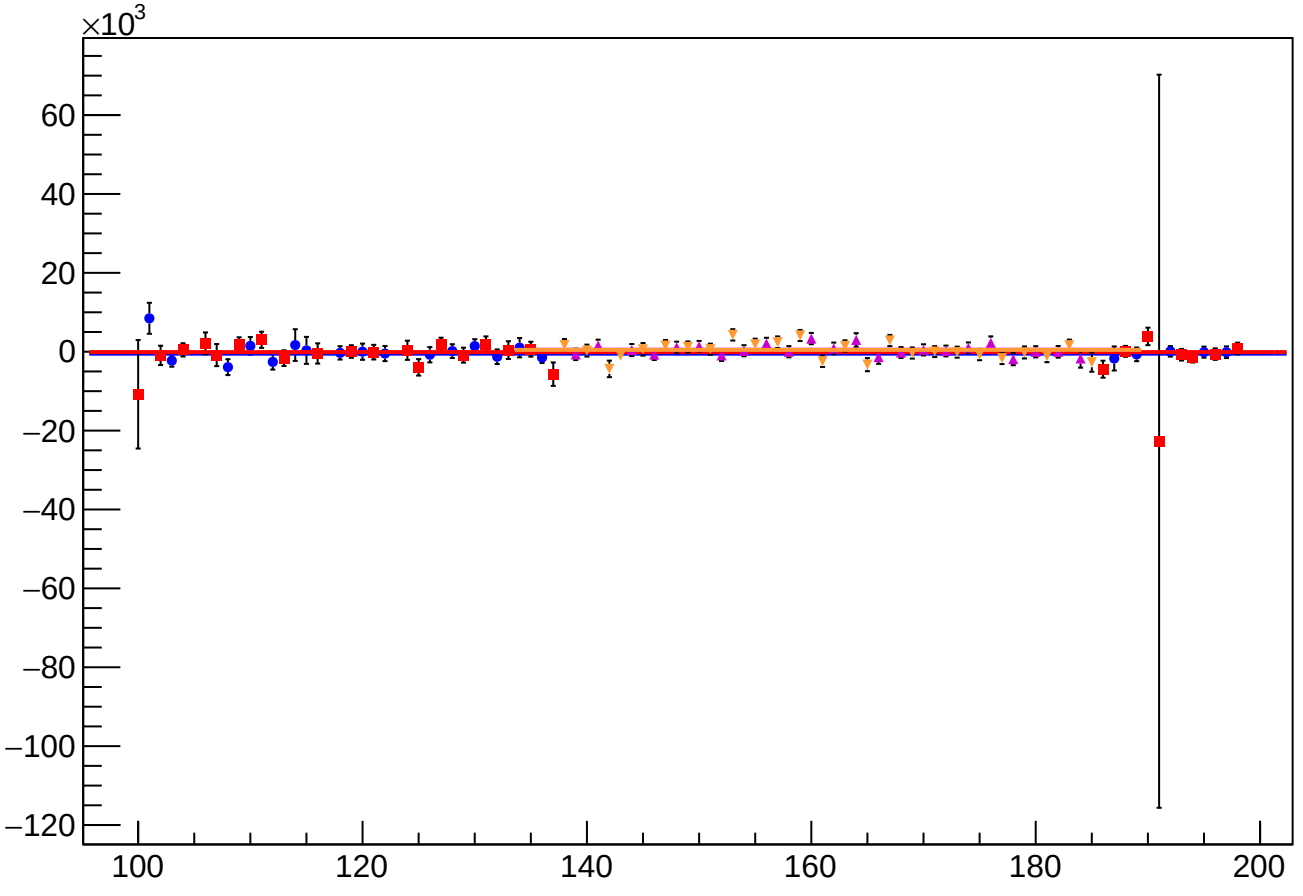
Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3730.555+/-0.505 χ^2/NDF: 4783283.5/45

All: 3801.987+/-0.359 χ^2/NDF: 8698820.3/95

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.322+/-374.882 χ^2/NDF: 24.0/26

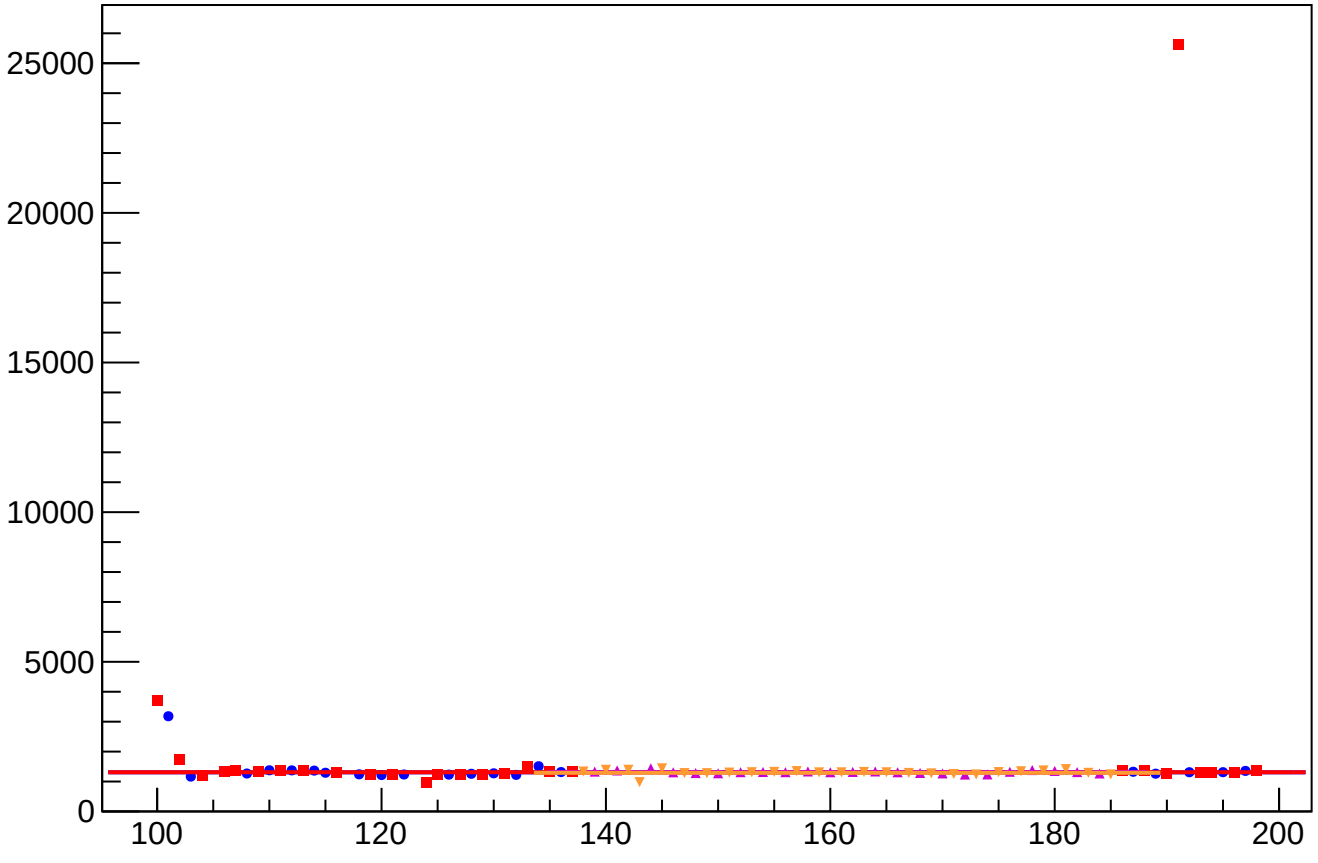
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 139.422+/-238.246 χ^2/NDF: 62.4/45

All: 201.846+/-168.217 χ^2/NDF: 105.5/95

- sign 263.903+/-237.544 χ^2/NDF: 42.9/49

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1307.353+/-0.287 χ^2/NDF: 514221.9/20

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

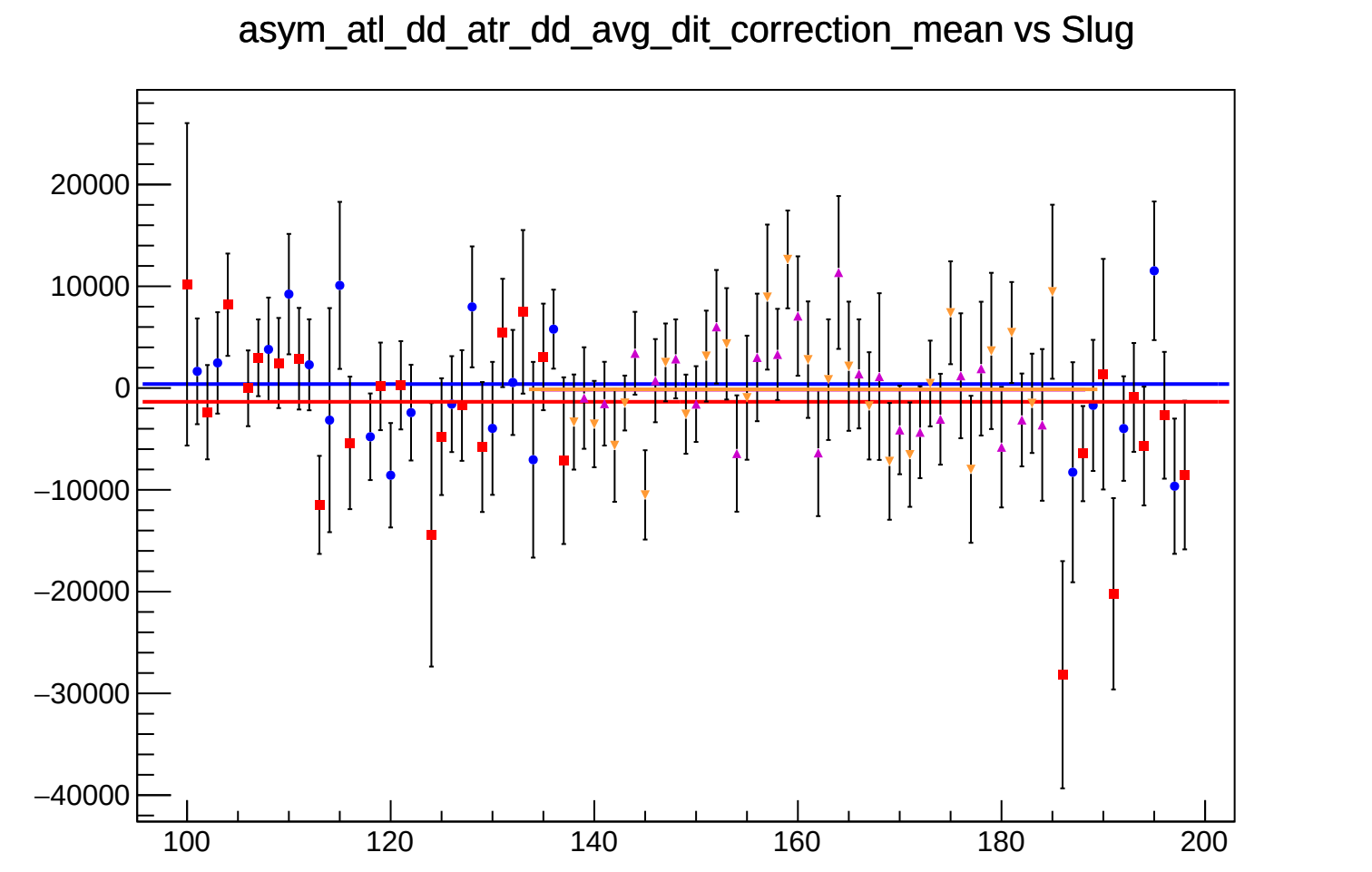
Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.771+/-0.168 χ^2/NDF: 747030.3/45

All: 1304.648+/-0.119 χ^2/NDF: 1157654.8/95

- sign 1312.475+/-0.168 χ^2/NDF: 406266.1/49



Right In: 394.384+/-1210.625 χ^2/NDF: 20.7/20

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: -1349.010+/-1068.322 χ^2/NDF: 30.7/26

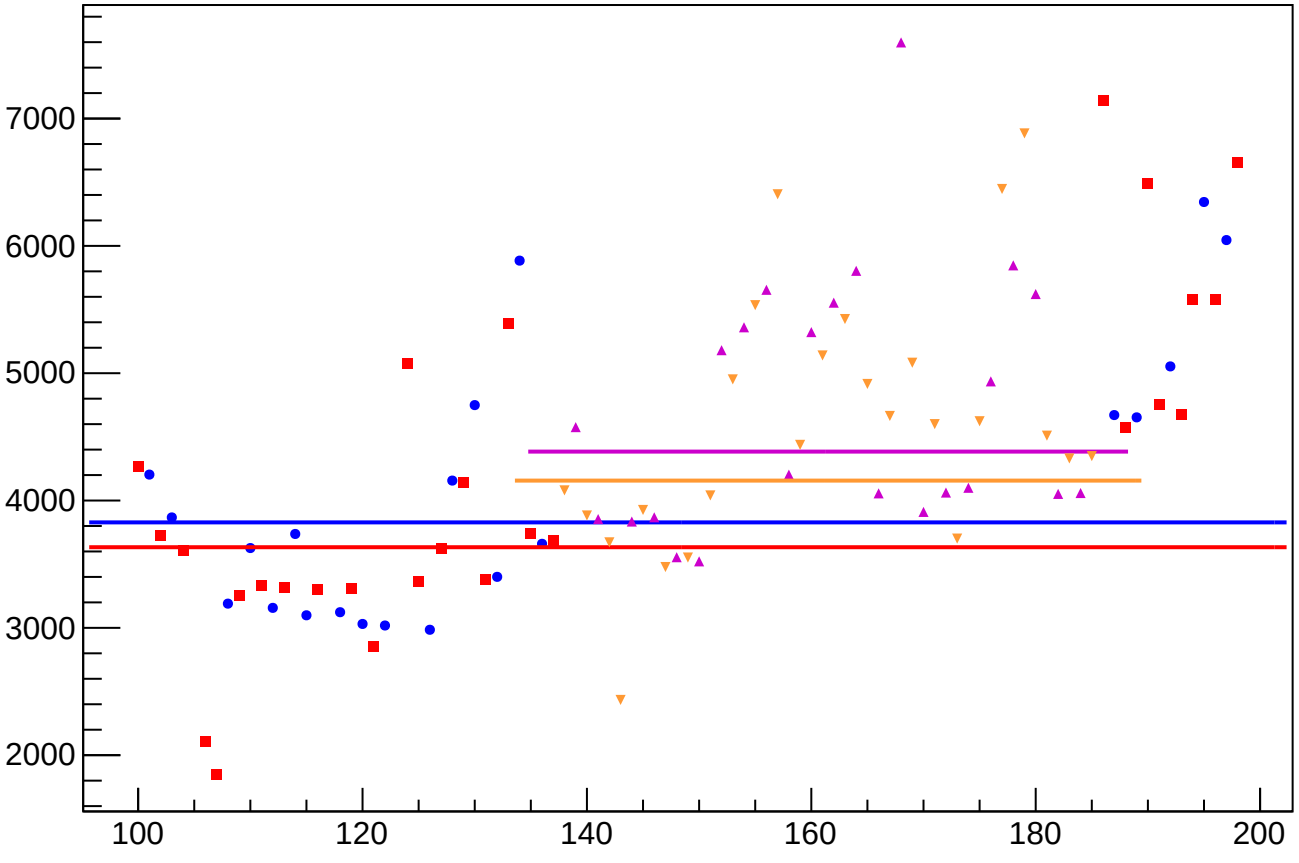
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

\+ sign 78.532+/-760.407 χ^2/NDF: 49.4/45

All: -338.601+/-532.966 χ^2/NDF: 95.0/95

\- sign -741.395+/-747.222 χ^2/NDF: 45.1/49

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 3828.348+/-0.856 χ^2/NDF: 1141062.0/20

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

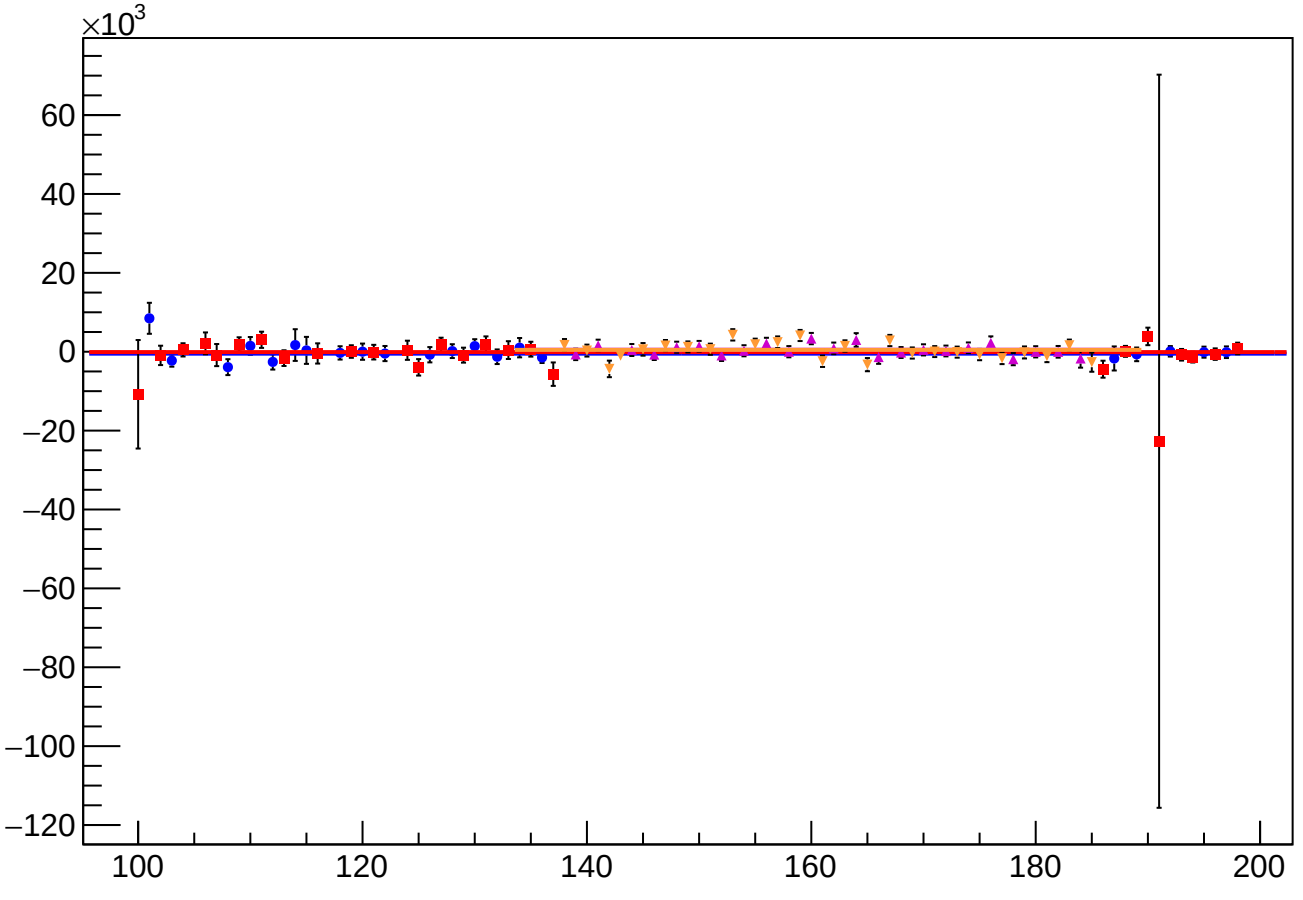
Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4027.086+/-0.538 χ^2/NDF: 3310845.6/45

All: 4021.918+/-0.377 χ^2/NDF: 7382768.6/95

- sign 4016.928+/-0.528 χ^2/NDF: 4071741.4/49



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.319+/-374.882 χ^2/NDF: 24.0/26

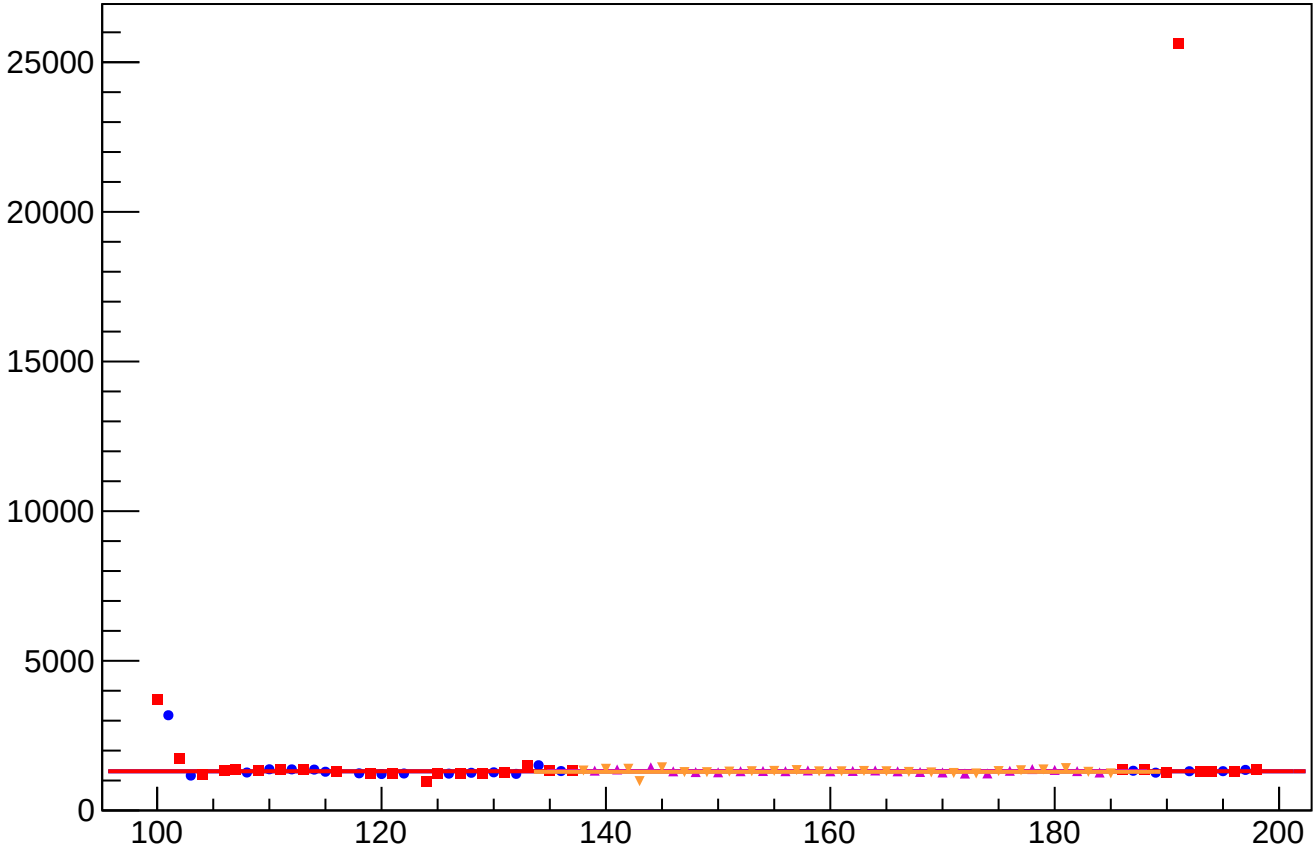
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 139.424+/-238.246 χ^2/NDF: 62.4/45

All: 201.848+/-168.217 χ^2/NDF: 105.5/95

- sign 263.904+/-237.544 χ^2/NDF: 42.9/49

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1307.353+/-0.287 χ^2/NDF: 514222.1/20

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

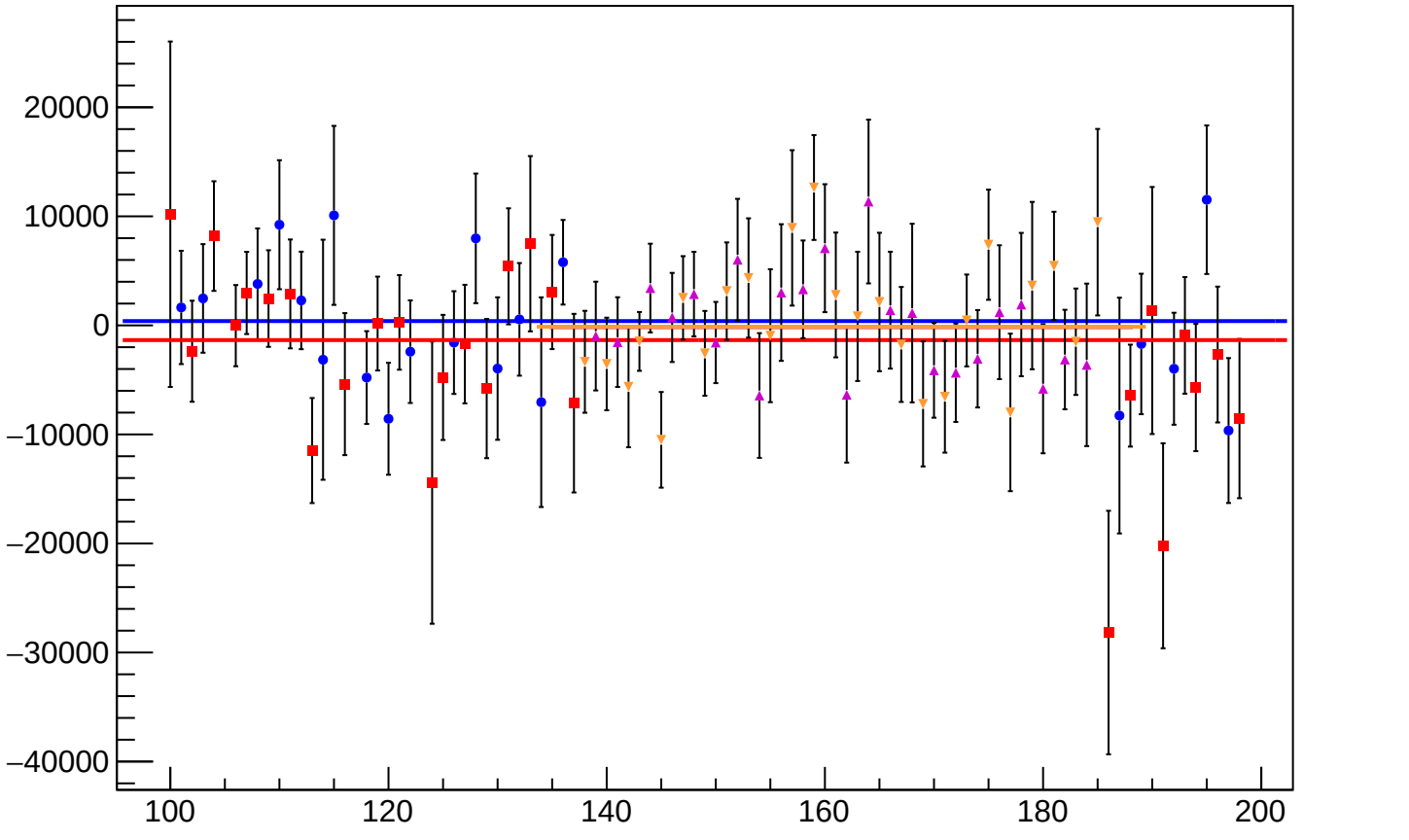
Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.772+/-0.168 χ^2/NDF: 747032.7/45

All: 1304.649+/-0.119 χ^2/NDF: 1157659.7/95

- sign 1312.476+/-0.168 χ^2/NDF: 406268.6/49



Right In: 394.376+/-1210.623 χ^2/NDF: 20.7/20

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

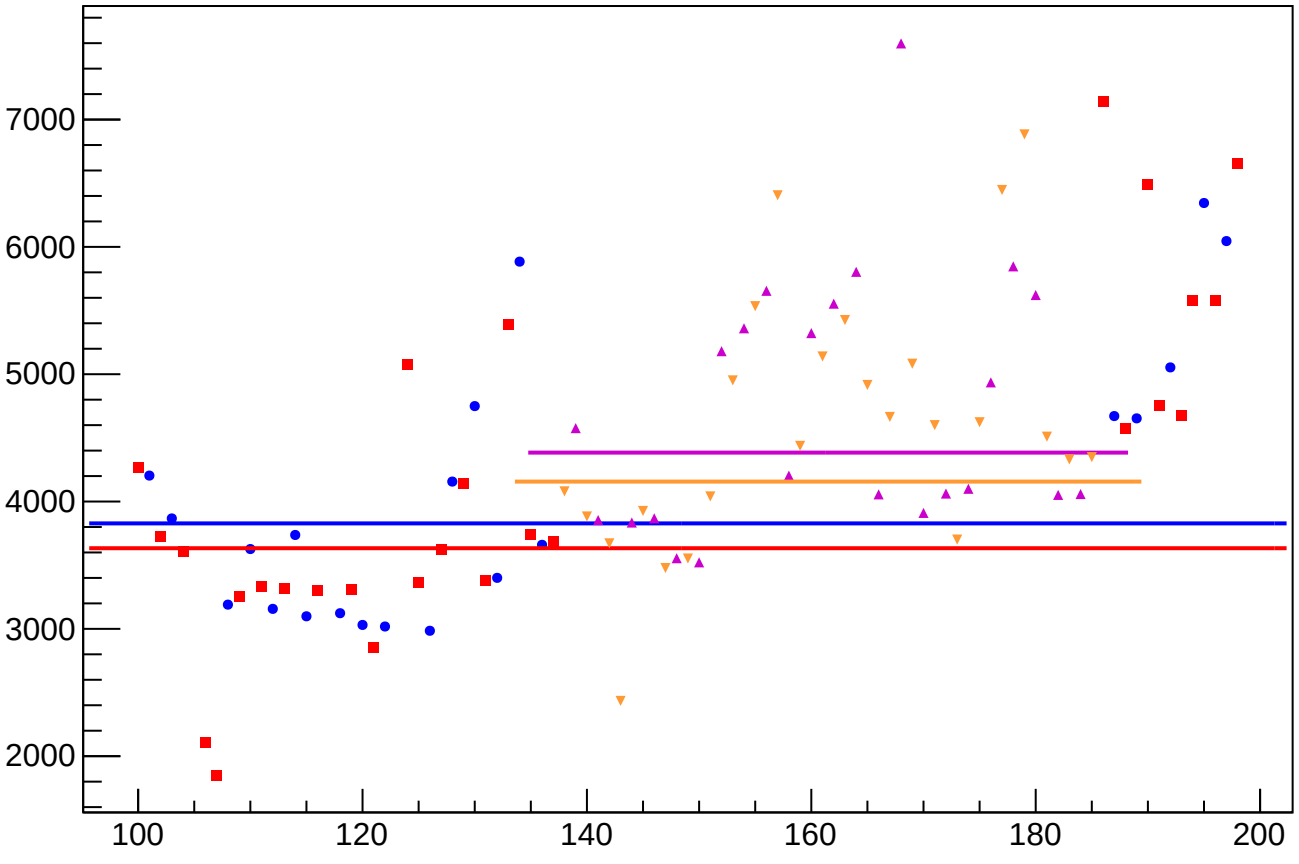
Right Out: -1349.002+/-1068.321 χ^2/NDF: 30.7/26

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

\+ sign 78.532+/-760.407 χ^2/NDF: 49.4/45

All: -338.601+/-532.966 χ^2/NDF: 95.0/95

\- sign -741.393+/-747.222 χ^2/NDF: 45.1/49



Right In: 3828.339+/-0.856 χ^2/NDF: 1141077.9/20

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3633.318+/-0.755 χ^2/NDF: 2311456.9/26

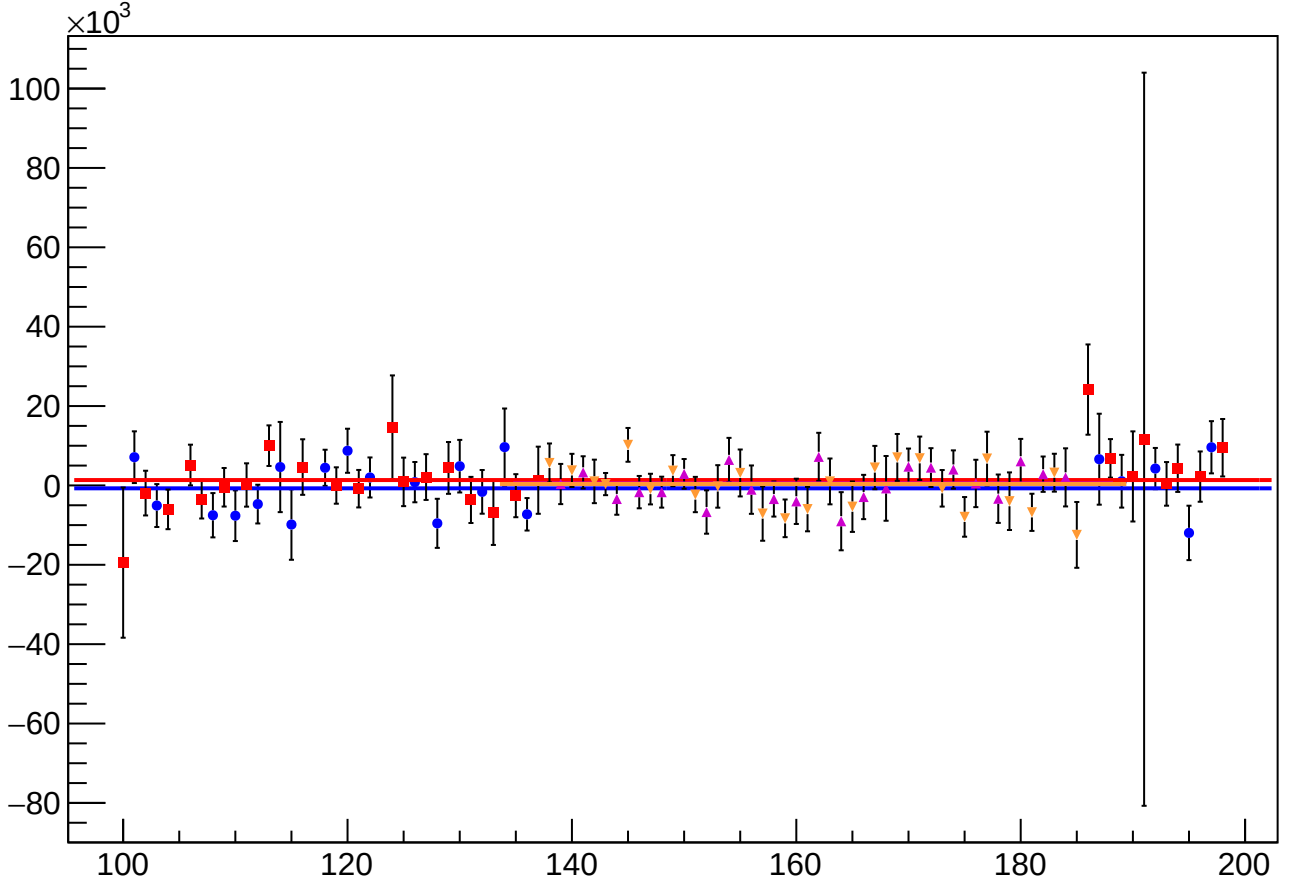
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4027.086+/-0.538 χ^2/NDF: 3310872.4/45

All: 4021.918+/-0.377 χ^2/NDF: 7382834.4/95

- sign 4016.927+/-0.528 χ^2/NDF: 4071780.4/49

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -732.996+/-1291.410 χ^2/NDF: 24.3/20

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1352.994+/-1175.781 χ^2/NDF: 19.3/26

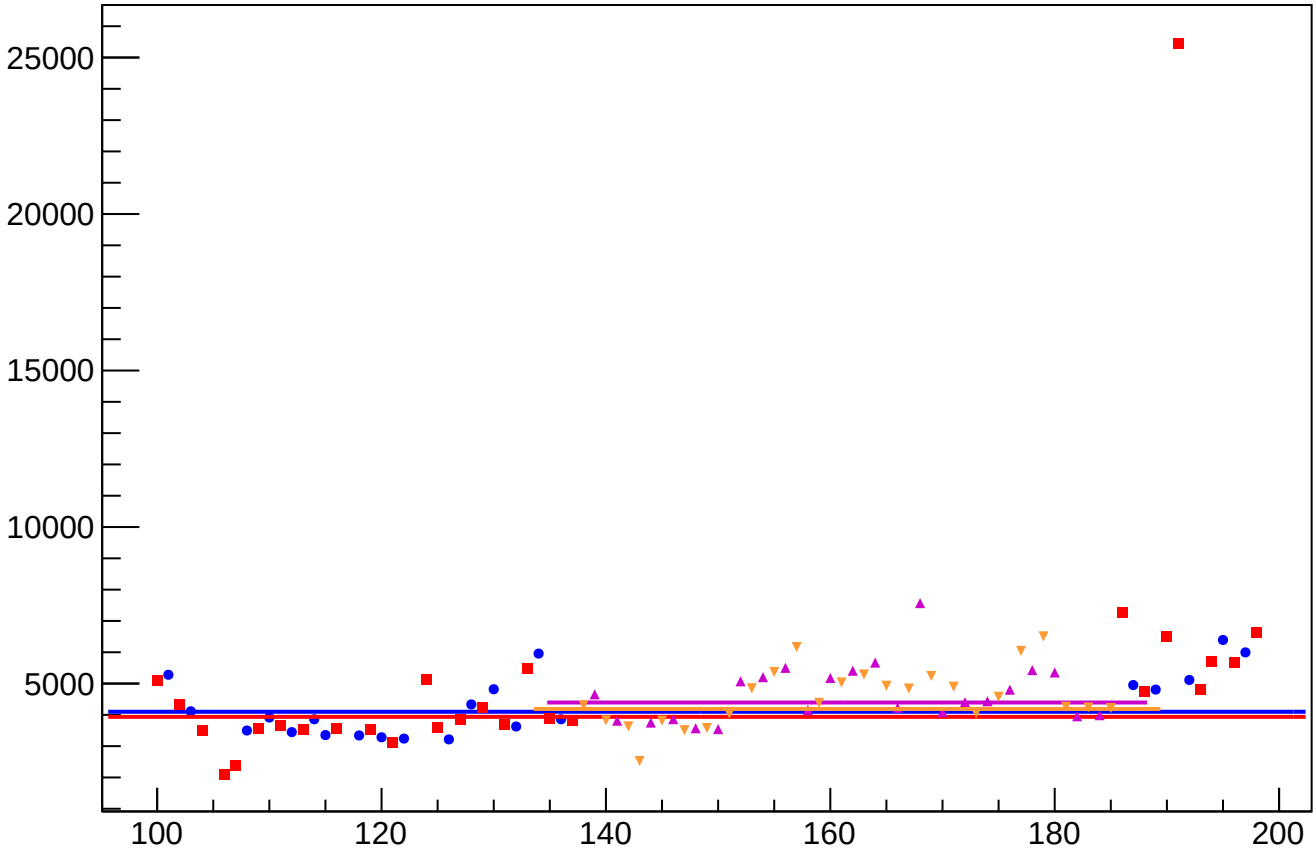
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -37.737+/-780.597 χ^2/NDF: 52.4/45

All: 418.384+/-552.096 χ^2/NDF: 86.5/95

- sign 874.936+/-780.966 χ^2/NDF: 33.4/49

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4098.868+/-0.913 χ^2/NDF: 978815.1/20

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

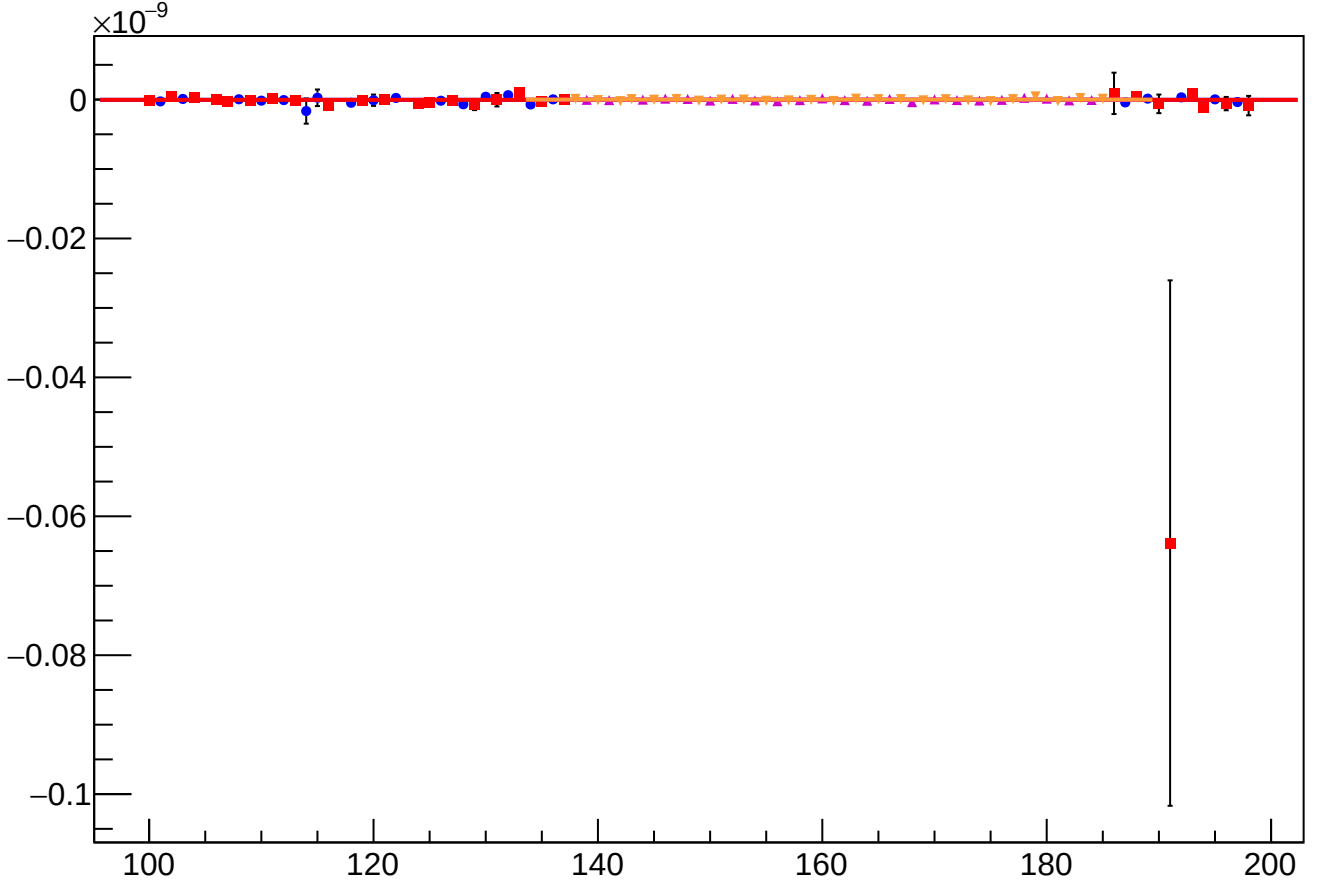
Right Out: 3936.247+/-0.823 χ^2/NDF: 1915185.5/26

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4155.338+/-0.552 χ^2/NDF: 2781186.7/45

All: 4172.652+/-0.389 χ^2/NDF: 5958391.8/95

- sign 4189.820+/-0.550 χ^2/NDF: 3175245.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

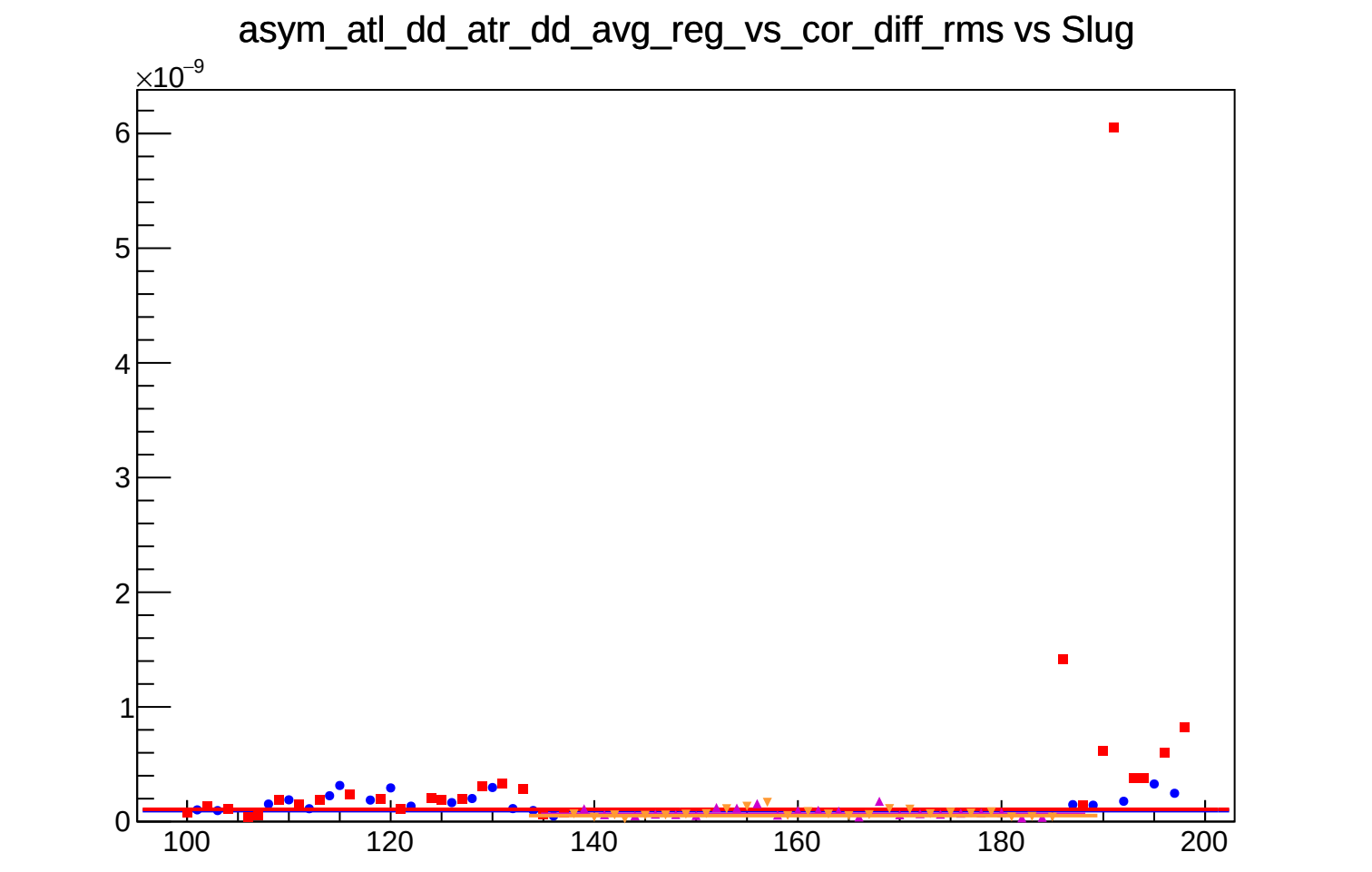
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/26

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/45

All: -0.000+/-0.000 χ^2/NDF: 92.9/95

- sign -0.000+/-0.000 χ^2/NDF: 43.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 1968882.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

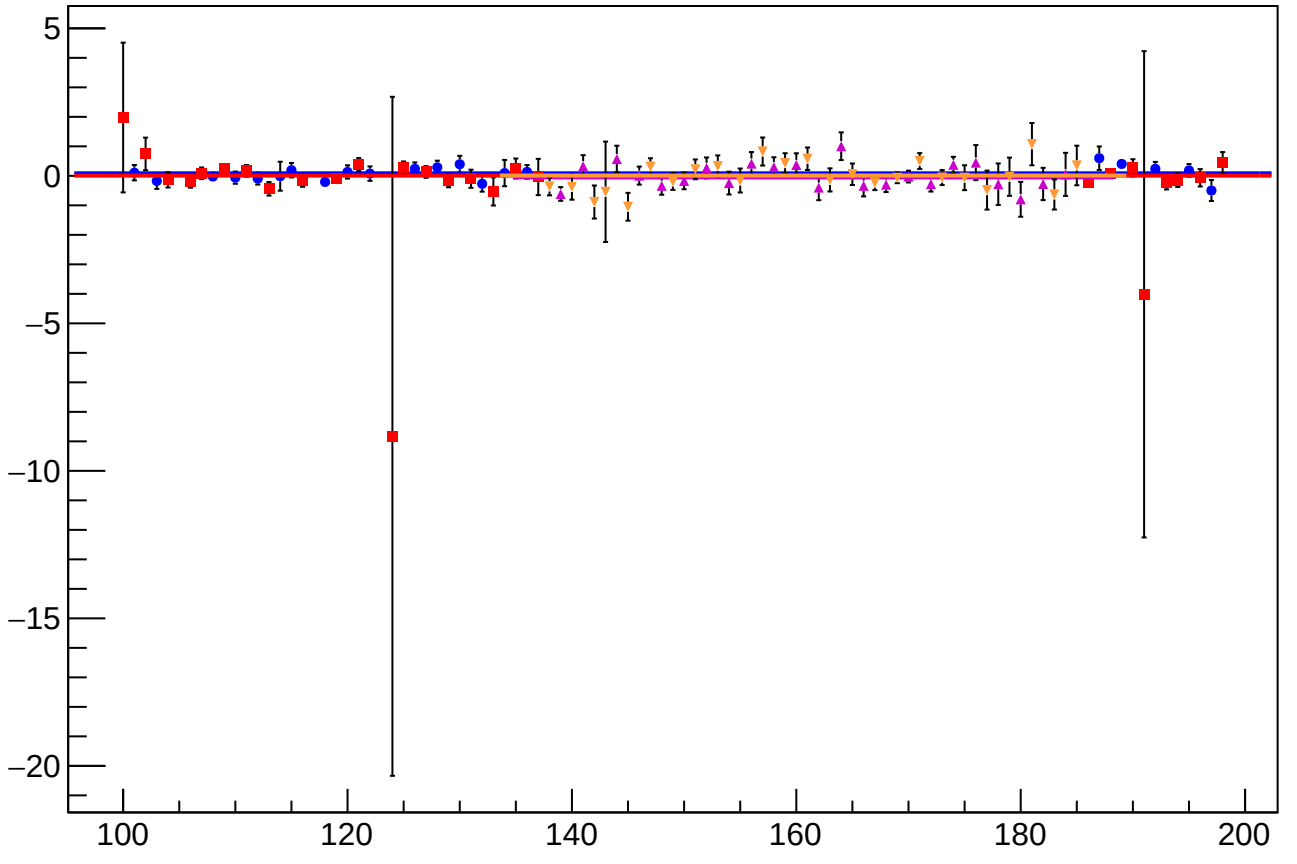
Right Out: 0.000+/-0.000 χ^2/NDF: 4281119.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5591339.8/45

All: 0.000+/-0.000 χ^2/NDF: 12794843.5/95

- sign 0.000+/-0.000 χ^2/NDF: 6923729.5/49



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

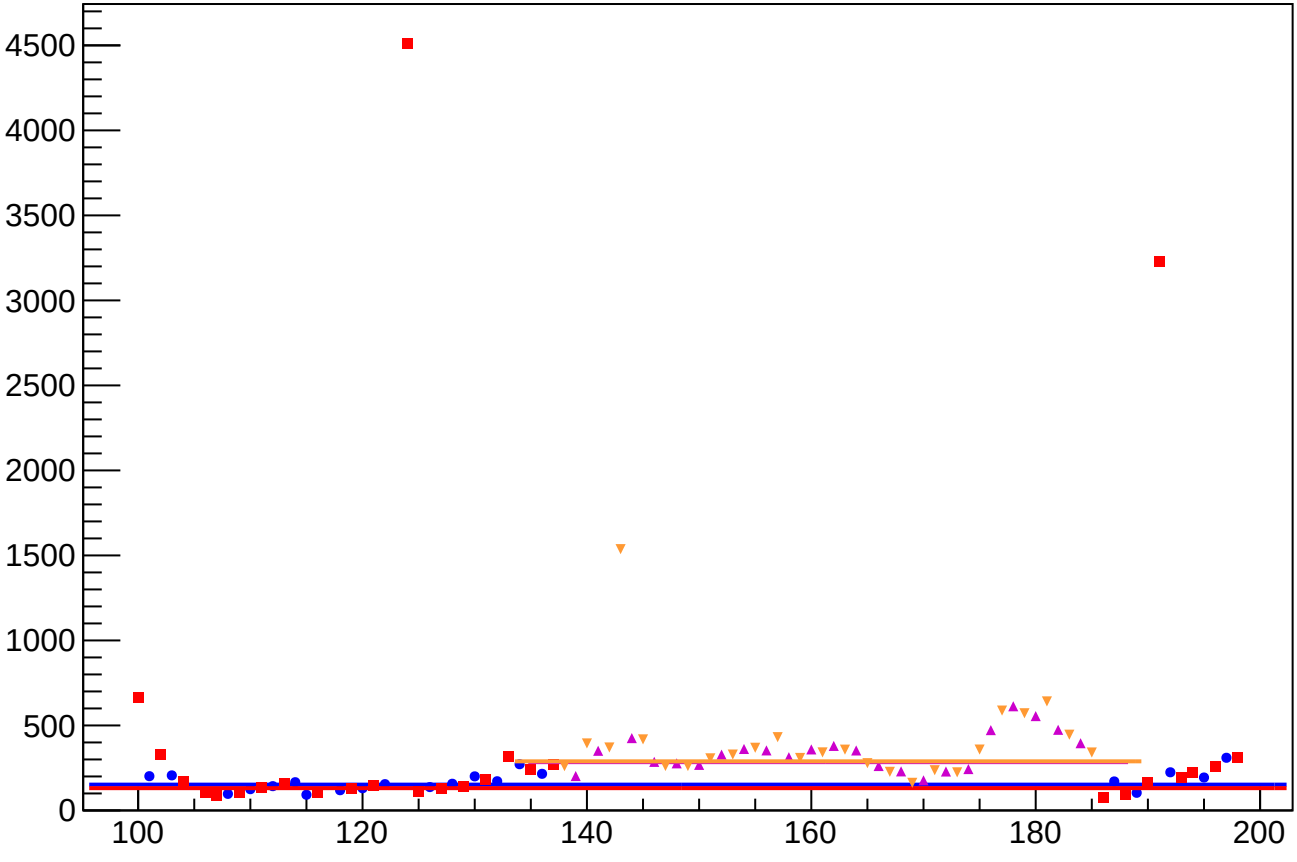
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

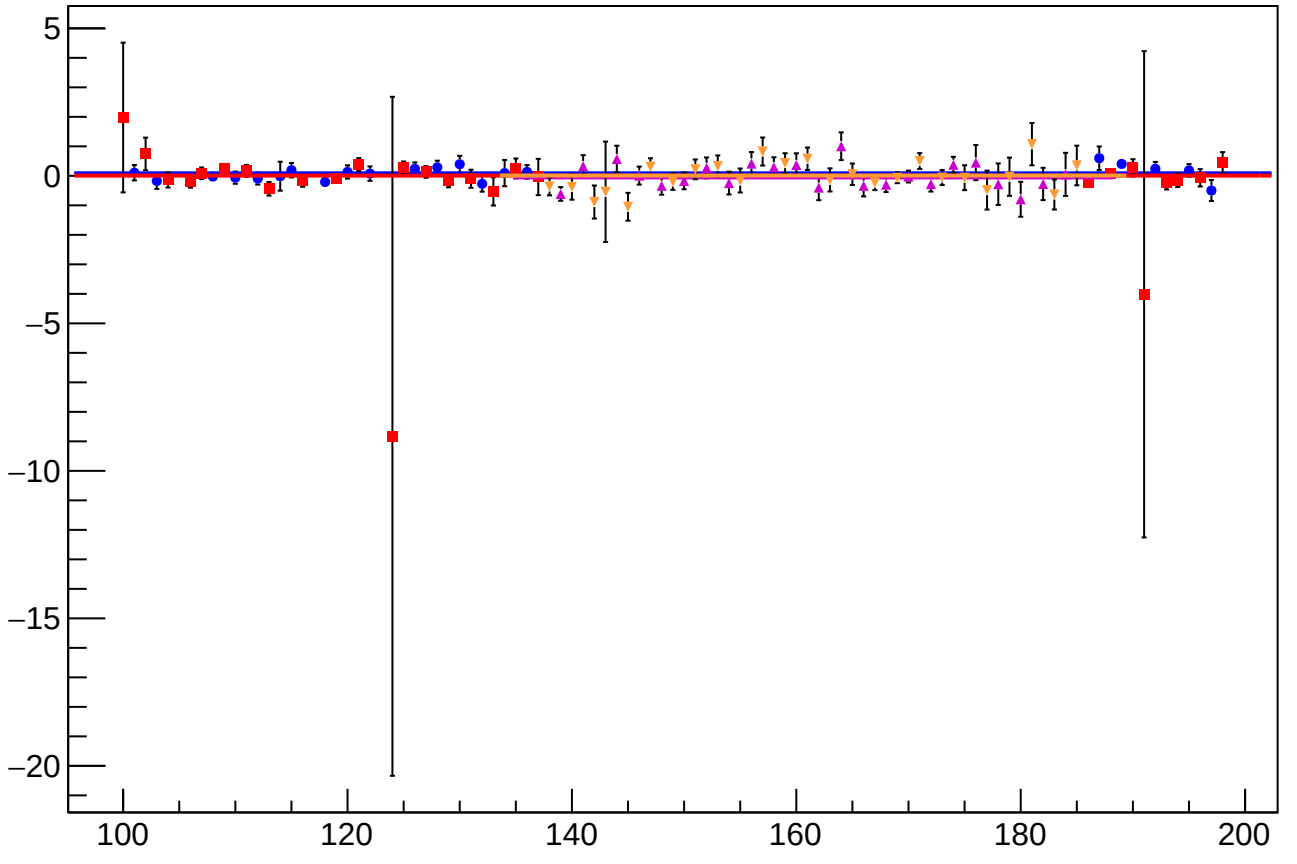
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

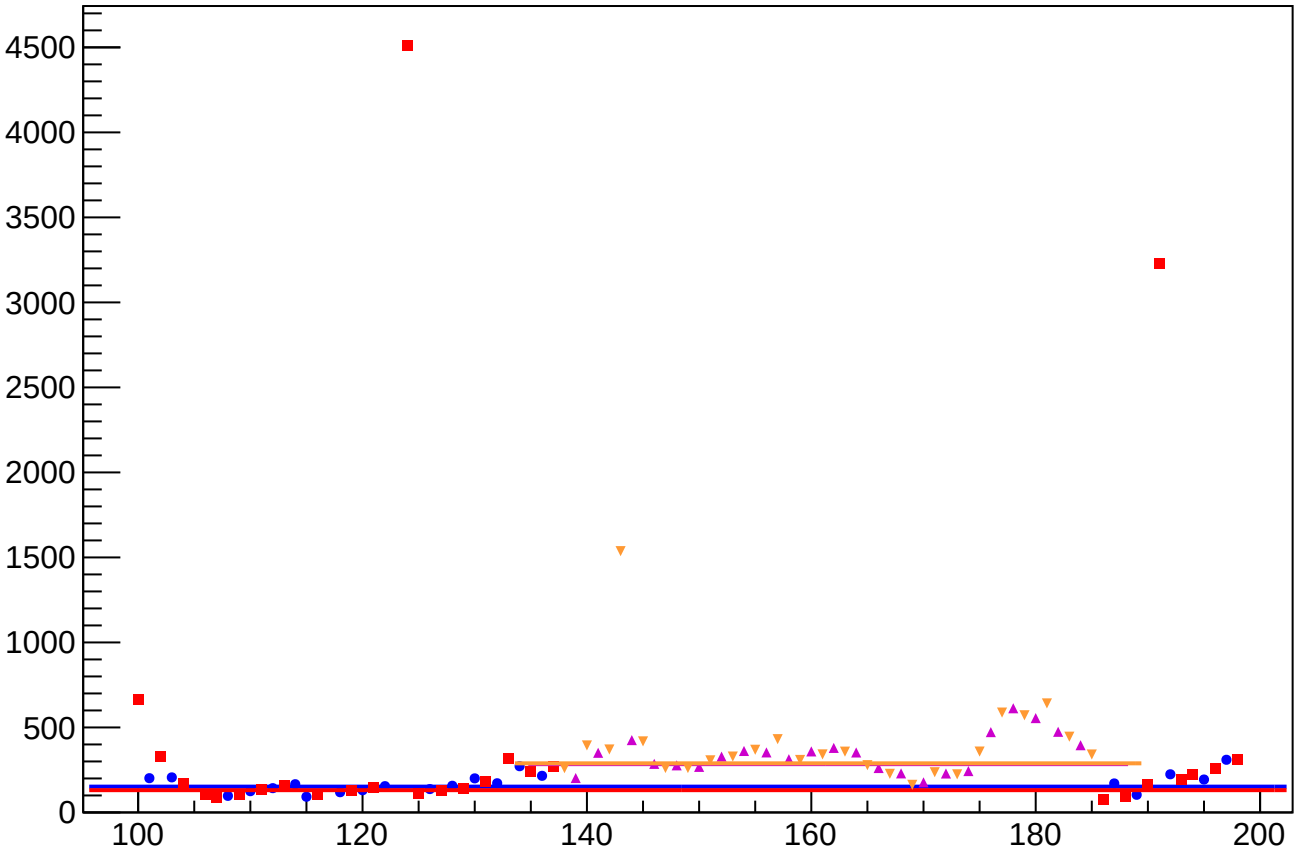
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

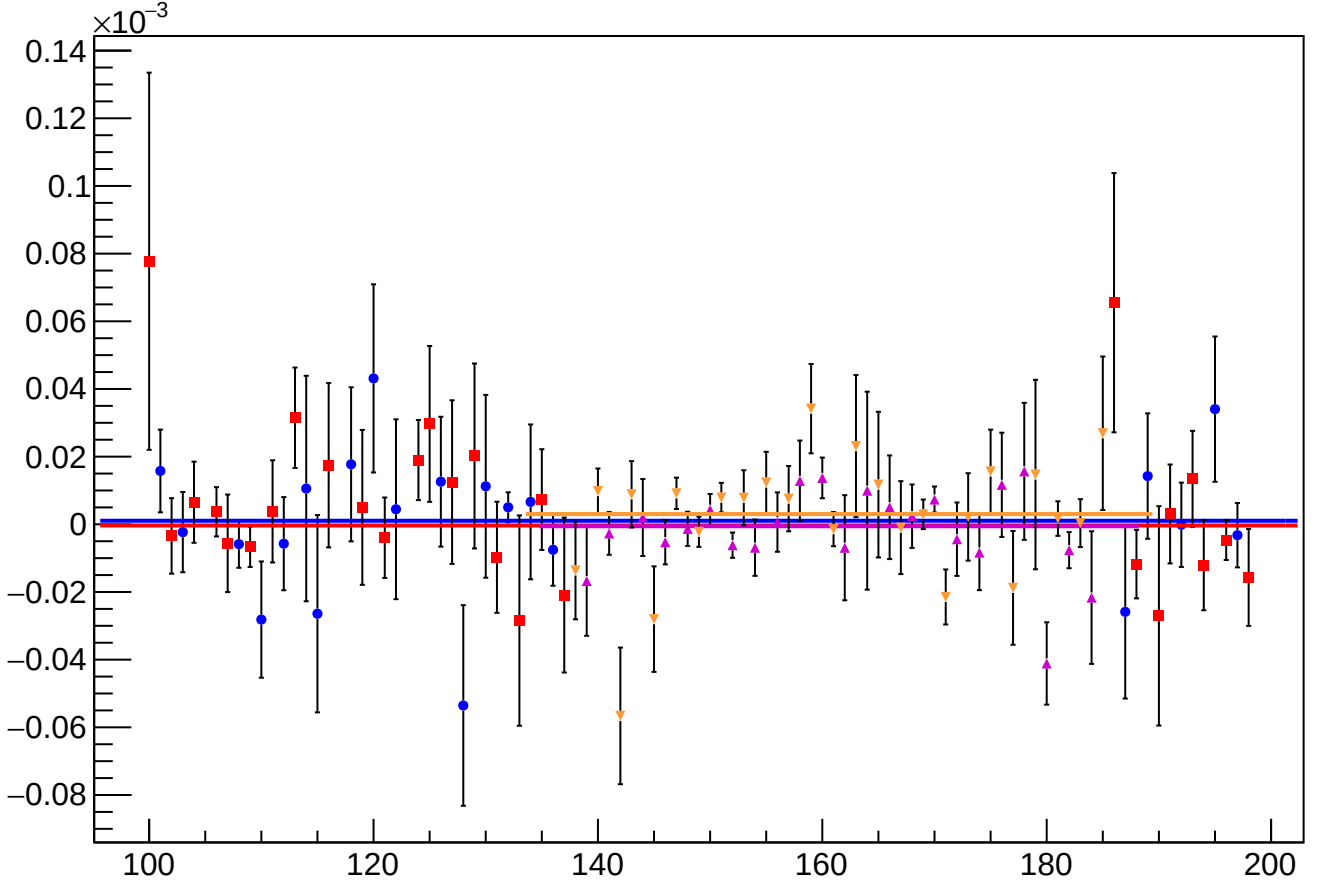
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

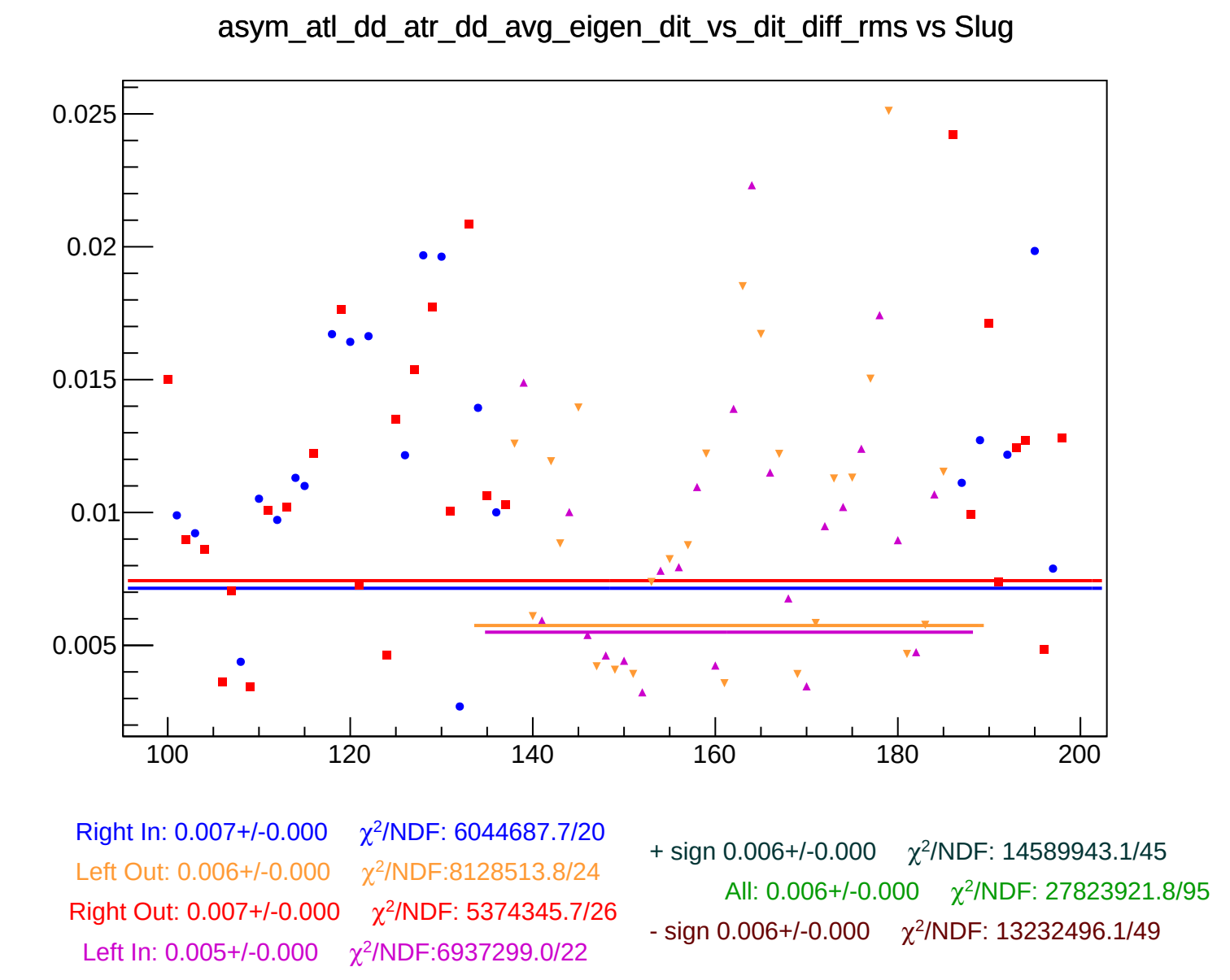
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/45

All: 0.000+/-0.000 χ^2/NDF: 122.7/95

- sign -0.000+/-0.000 χ^2/NDF: 58.3/49


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
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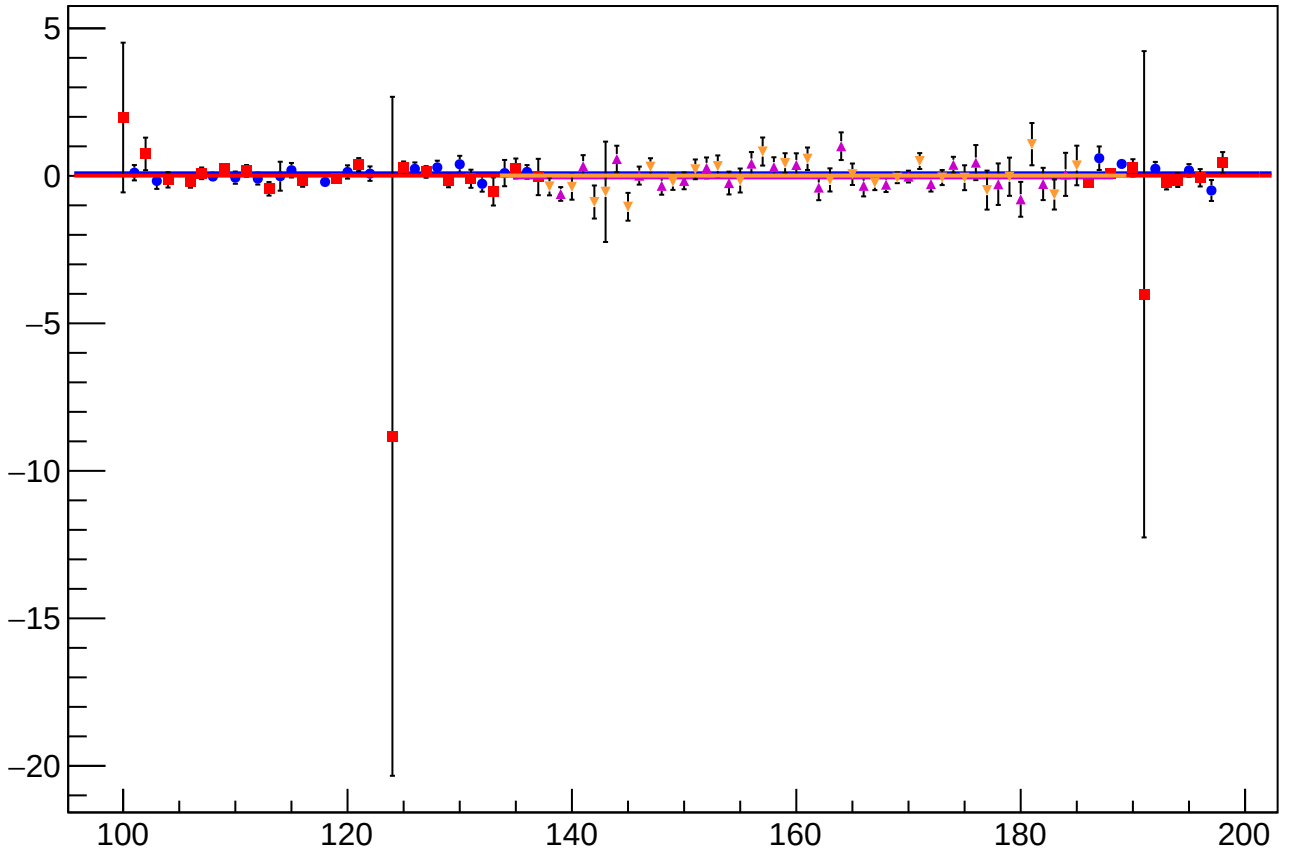
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.007+/-0.000 χ²/NDF: 6044687.7/20
Left Out: 0.006+/-0.000 χ²/NDF:8128513.8/24
Right Out: 0.007+/-0.000 χ²/NDF: 5374345.7/26
Left In: 0.005+/-0.000 χ²/NDF:6937299.0/22
+ sign 0.006+/-0.000 χ²/NDF: 14589943.1/45
All: 0.006+/-0.000 χ²/NDF: 27823921.8/95
- sign 0.006+/-0.000 χ²/NDF: 13232496.1/49



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

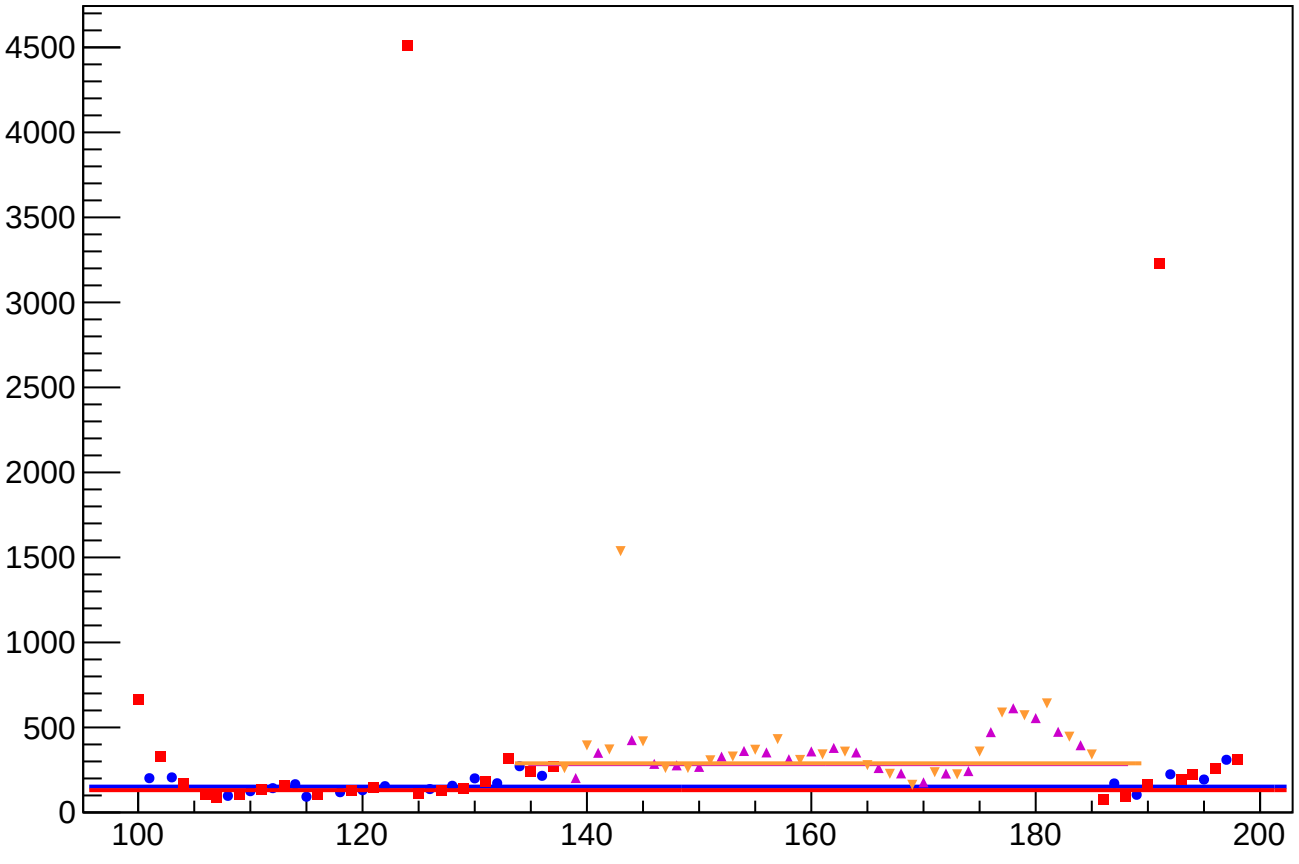
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

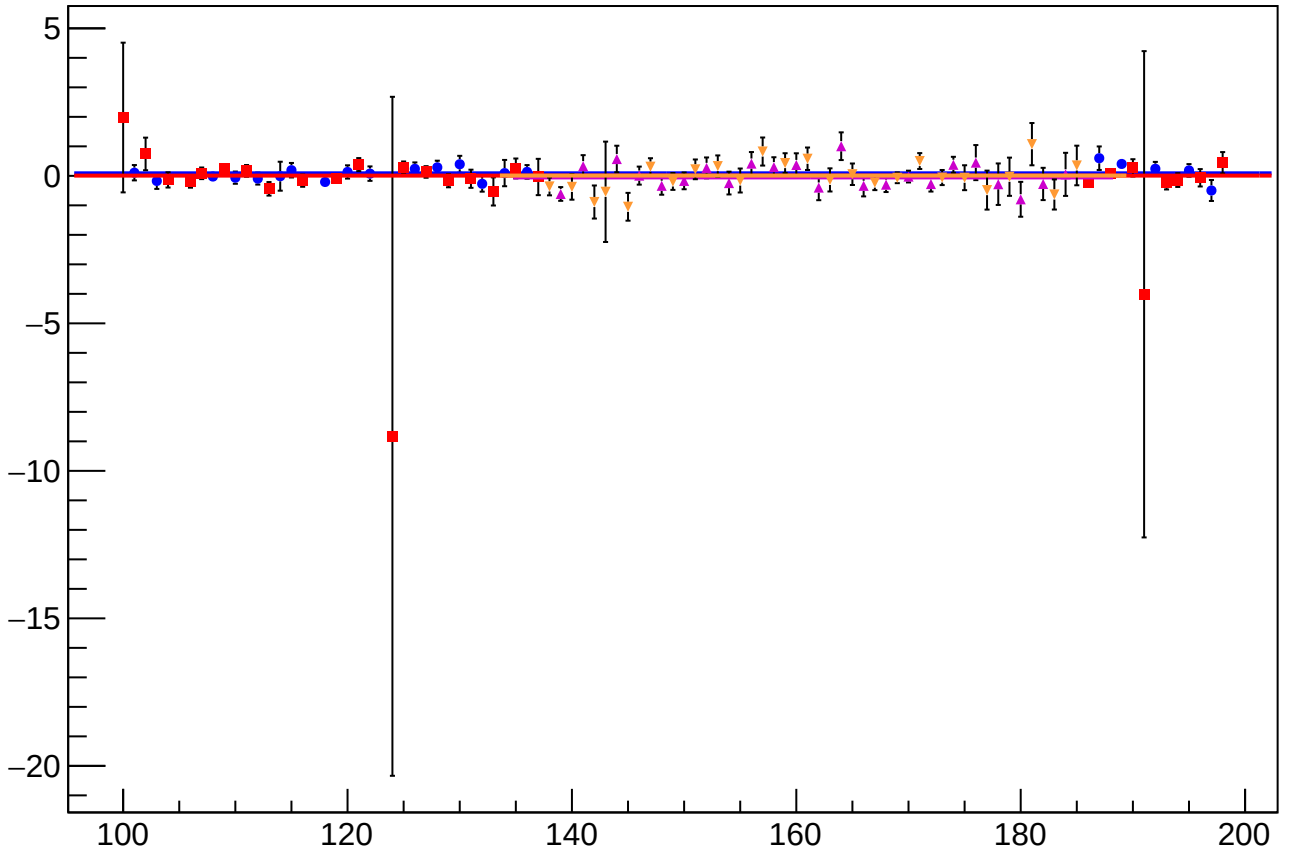
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49


asym_atl_dd_atr_dd_avg_eigen_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: 151.892+/-0.035 χ²/NDF: 1883398.8/20
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 131.107+/-0.030 χ²/NDF: 3952371.6/26
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 197.451+/-0.029 χ²/NDF: 11502095.0/45
All: 182.710+/-0.019 χ²/NDF: 25964366.1/95
- sign 171.275+/-0.026 χ²/NDF: 14002062.1/49



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

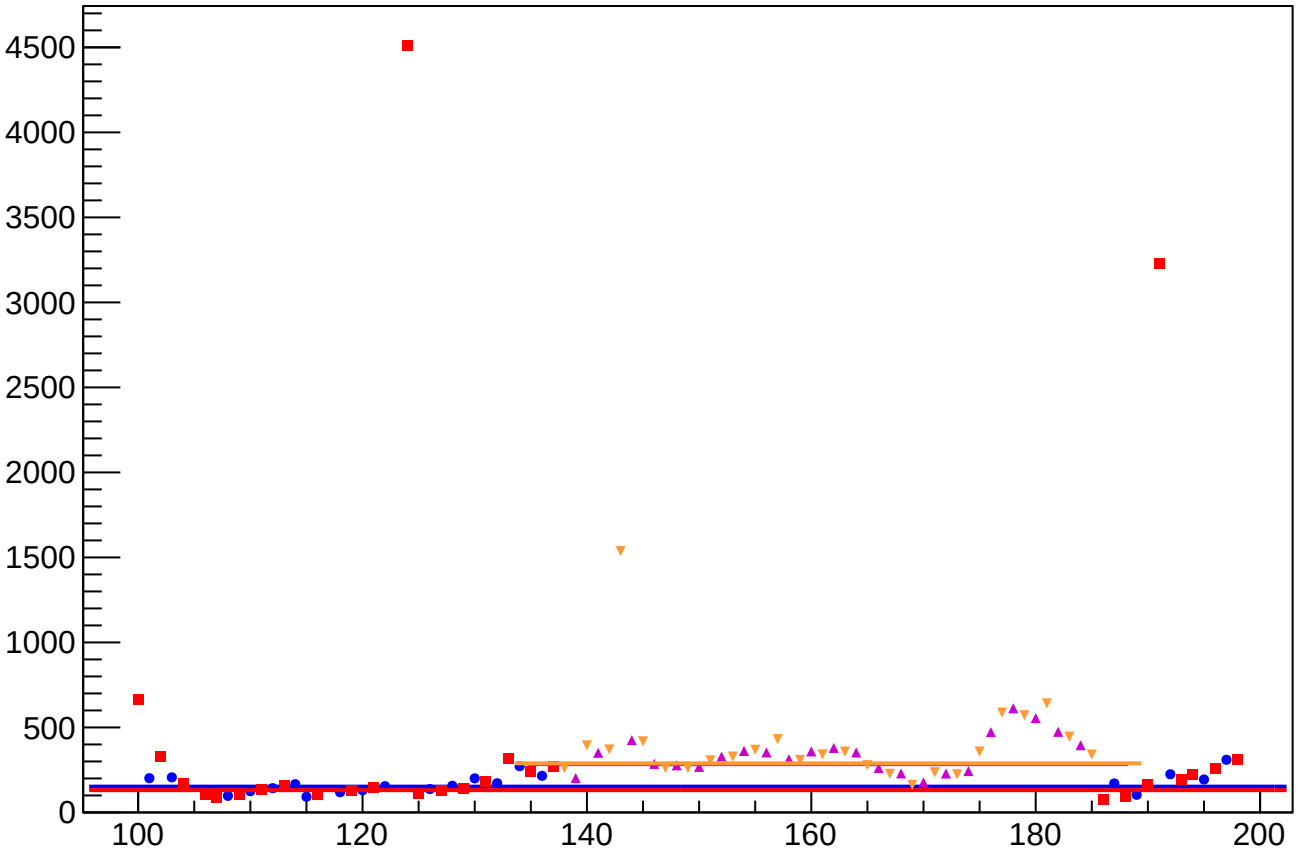
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

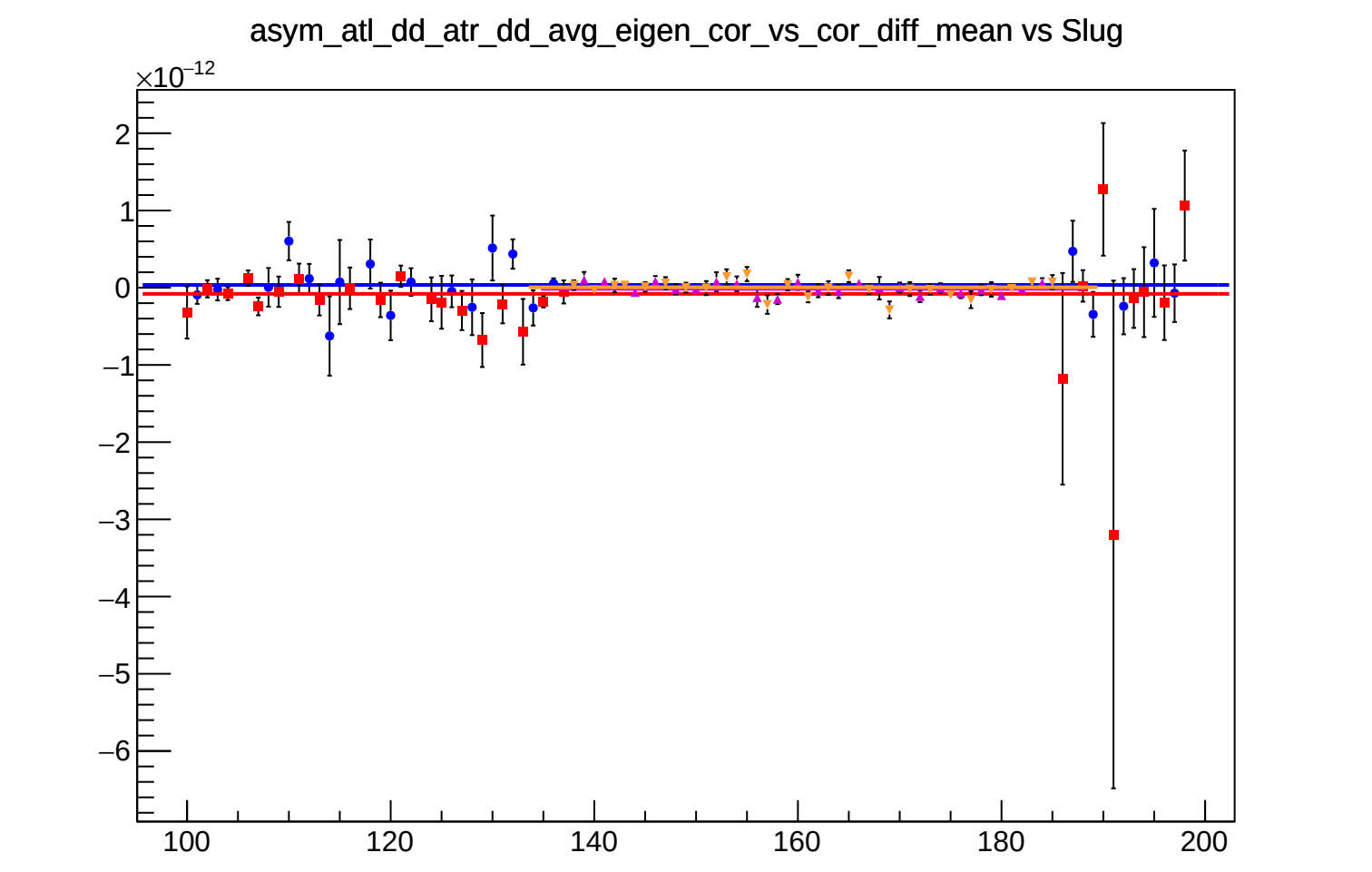
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49


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: 151.892+/-0.035 χ²/NDF: 1883398.8/20
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 131.107+/-0.030 χ²/NDF: 3952371.6/26
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 197.451+/-0.029 χ²/NDF: 11502095.0/45
All: 182.710+/-0.019 χ²/NDF: 25964366.1/95
- sign 171.275+/-0.026 χ²/NDF: 14002062.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

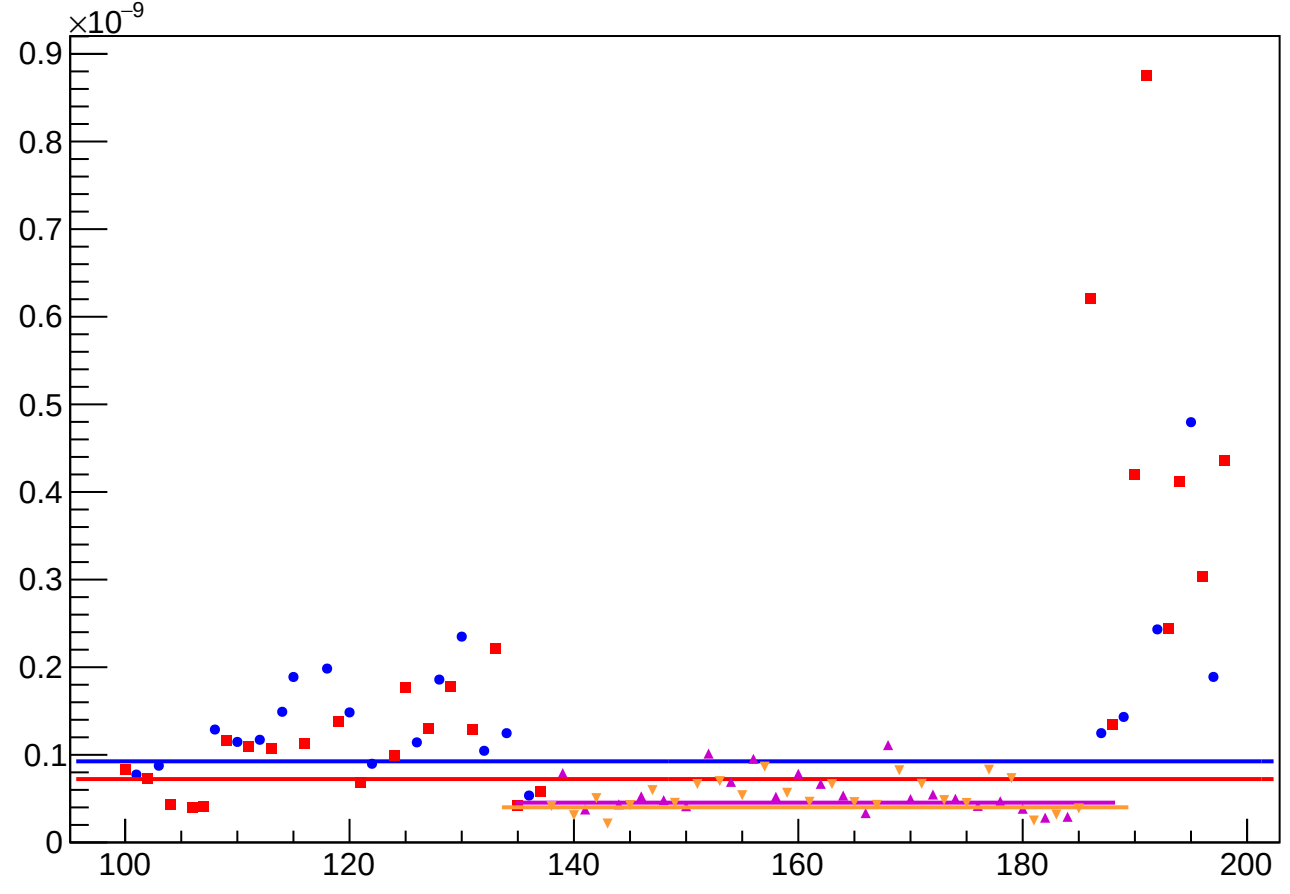
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/45

All: -0.000+/-0.000 χ^2/NDF: 112.5/95

- sign -0.000+/-0.000 χ^2/NDF: 51.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 2771415.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

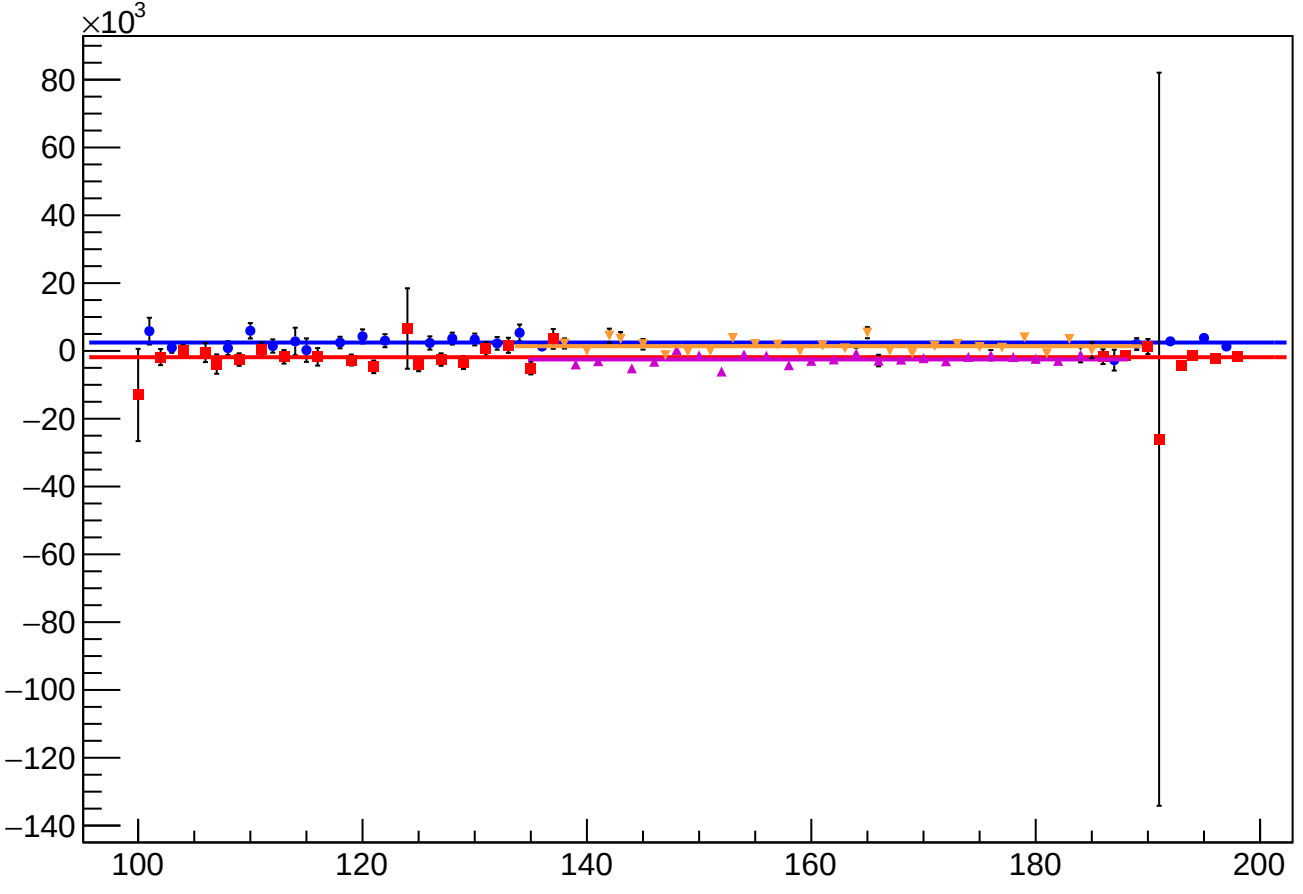
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9331289.6/45

All: 0.000+/-0.000 χ^2/NDF: 18649807.4/95

- sign 0.000+/-0.000 χ^2/NDF: 9155385.7/49

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2473.979+/-405.977 χ^2/NDF: 13.6/20

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1855.929+/-378.340 χ^2/NDF: 24.6/26

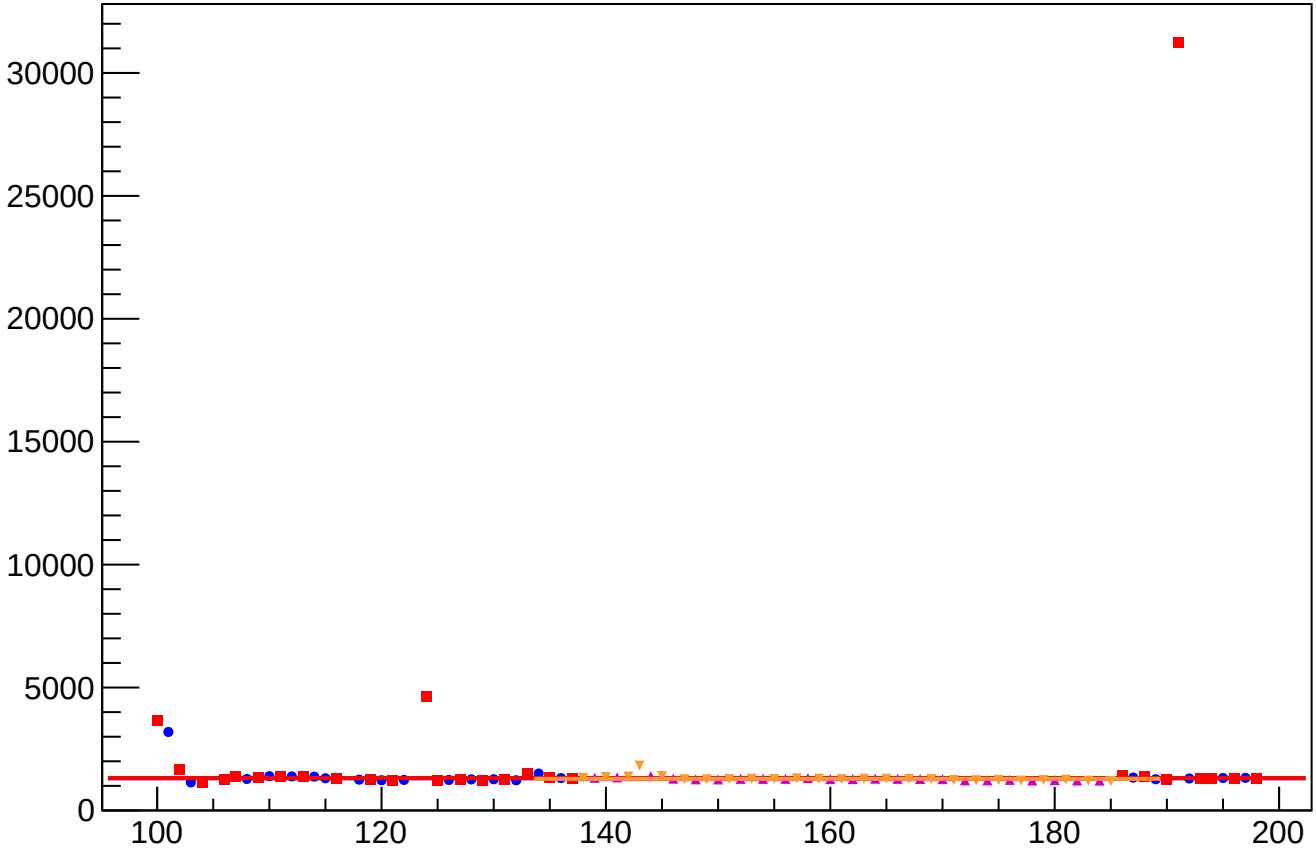
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1756.434+/-237.467 χ^2/NDF: 51.3/45

All: -282.707+/-166.729 χ^2/NDF: 245.7/95

- sign -2265.257+/-234.149 χ^2/NDF: 49.0/49

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.455+/-0.287 χ^2/NDF: 517956.5/20

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

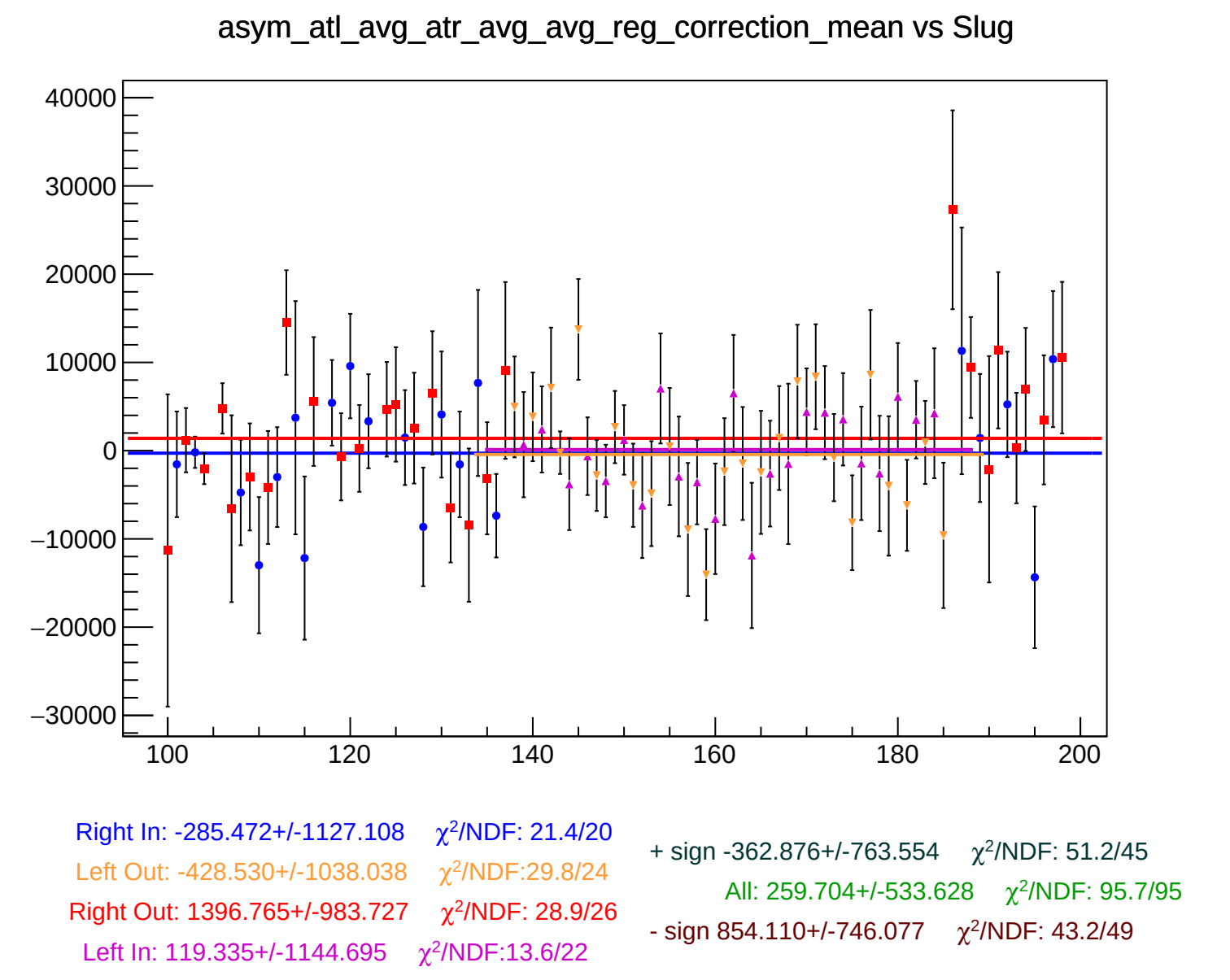
Right Out: 1318.560+/-0.267 χ^2/NDF: 488391.3/26

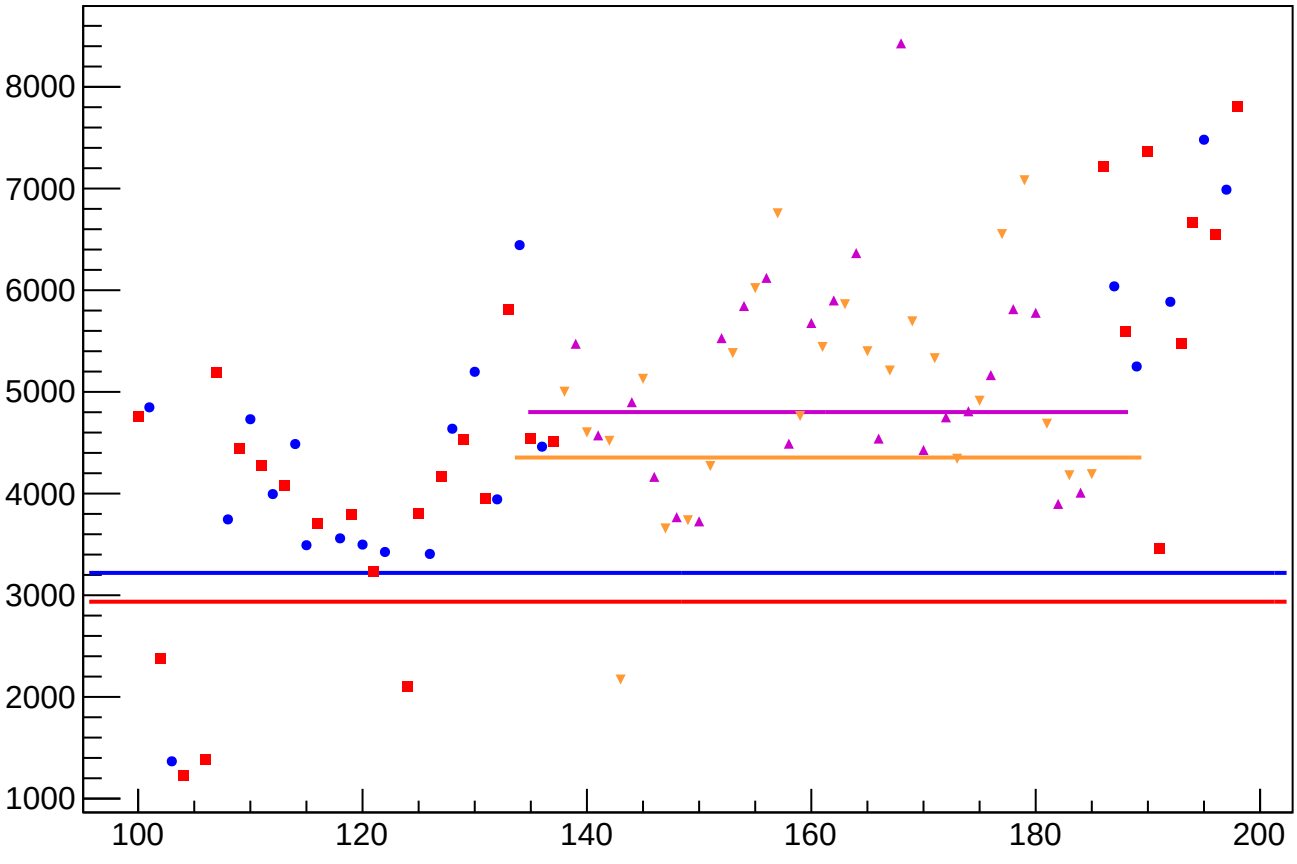
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.110+/-0.168 χ^2/NDF: 712779.8/45

All: 1292.697+/-0.118 χ^2/NDF: 1258271.1/95

- sign 1292.296+/-0.165 χ^2/NDF: 545479.4/49


asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -285.472+/-1127.108 χ²/NDF: 21.4/20
Left Out: -428.530+/-1038.038 χ²/NDF:29.8/24
Right Out: 1396.765+/-983.727 χ²/NDF: 28.9/26
Left In: 119.335+/-1144.695 χ²/NDF:13.6/22
+ sign -362.876+/-763.554 χ²/NDF: 51.2/45
All: 259.704+/-533.628 χ²/NDF: 95.7/95
- sign 854.110+/-746.077 χ²/NDF: 43.2/49



Right In: 3219.897+/-0.797 χ^2/NDF: 4768274.0/20

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

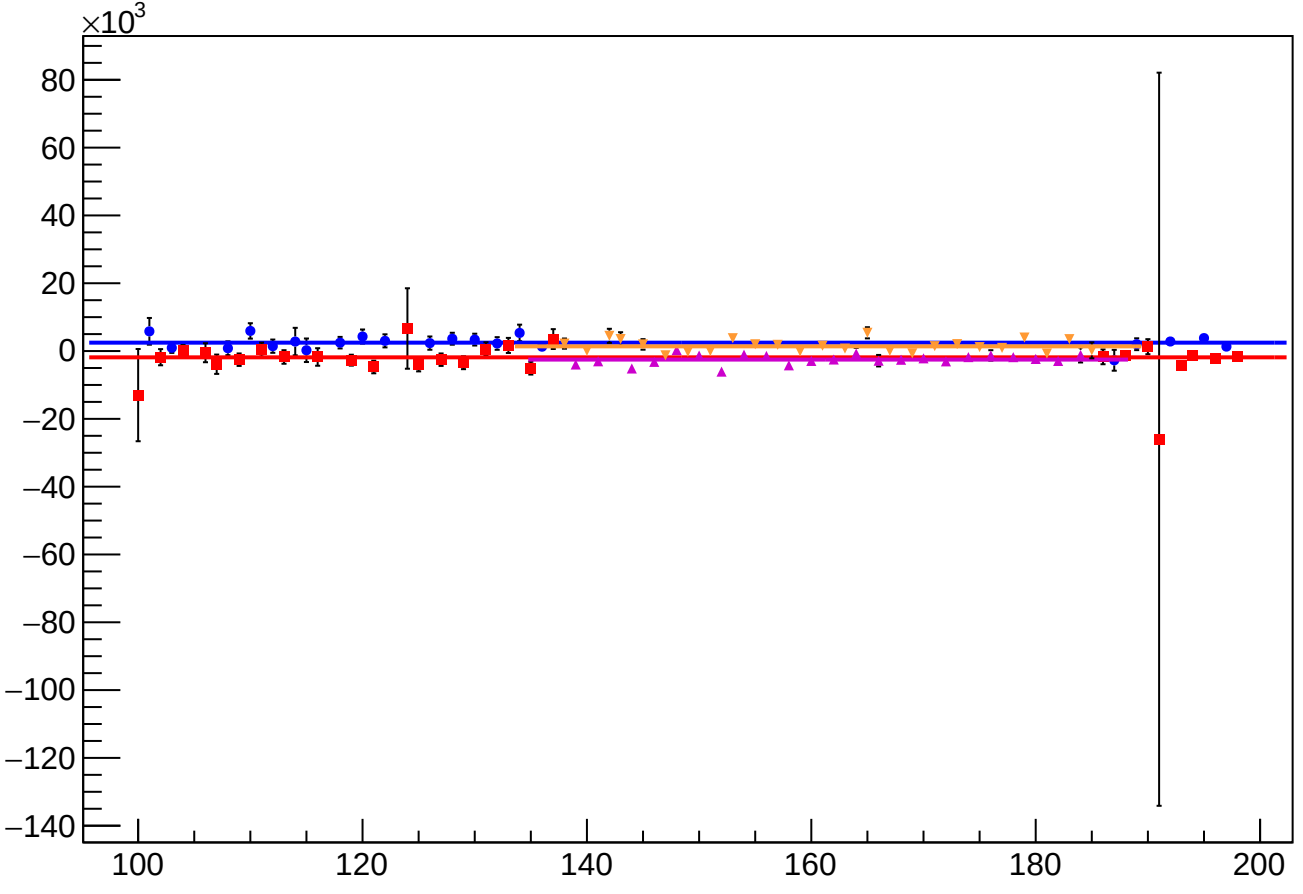
Right Out: 2936.518+/-0.696 χ^2/NDF: 6753780.9/26

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3833.809+/-0.540 χ^2/NDF: 8936338.9/45

All: 3780.088+/-0.377 χ^2/NDF: 19995226.3/9

- sign 3728.797+/-0.528 χ^2/NDF: 11039534.8/49



Right In: 2473.839+/-405.977 χ^2/NDF: 13.6/20

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1855.774+/-378.340 χ^2/NDF: 24.6/26

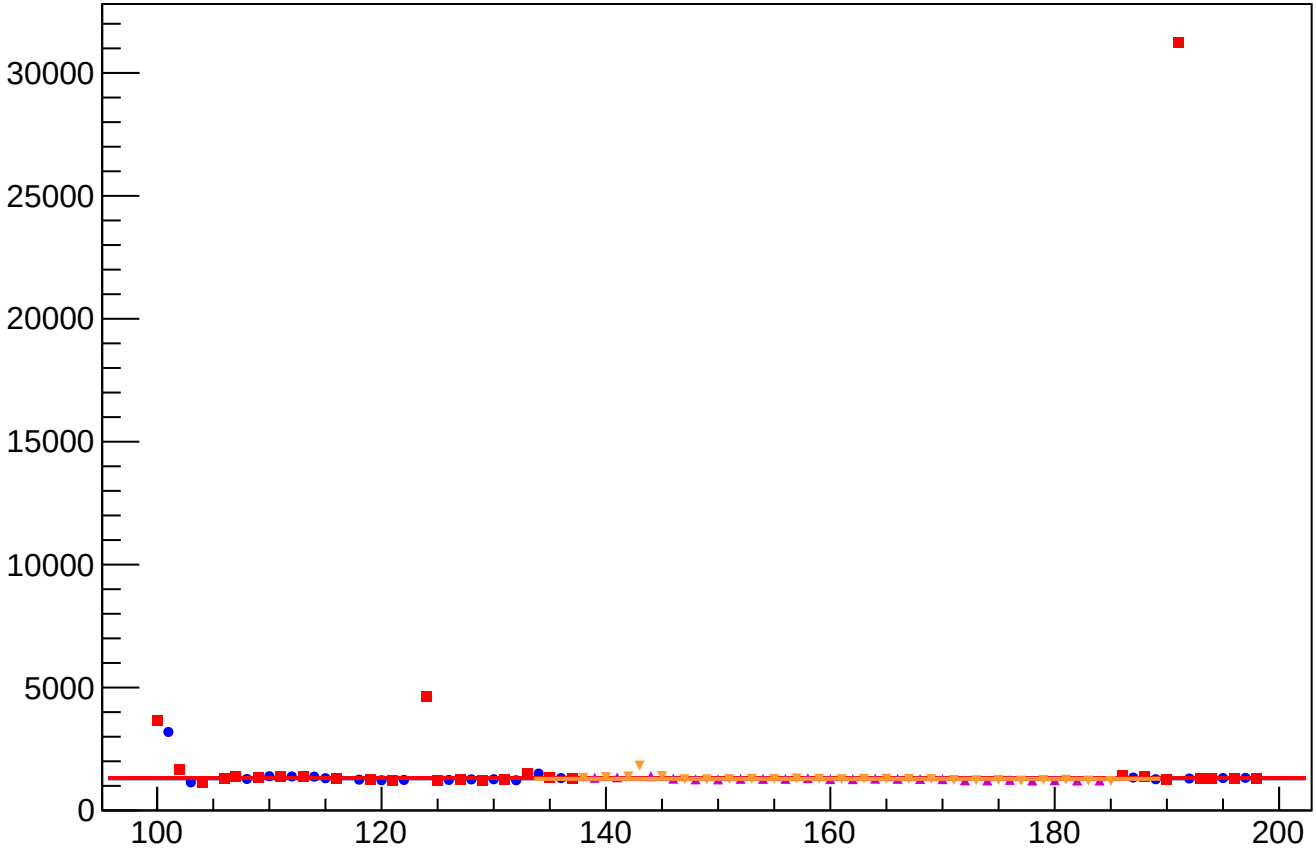
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1756.343+/-237.467 χ^2/NDF: 51.3/45

All: -282.722+/-166.729 χ^2/NDF: 245.7/95

- sign -2265.199+/-234.149 χ^2/NDF: 49.0/49

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.455+/-0.287 χ^2/NDF: 517958.1/20

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

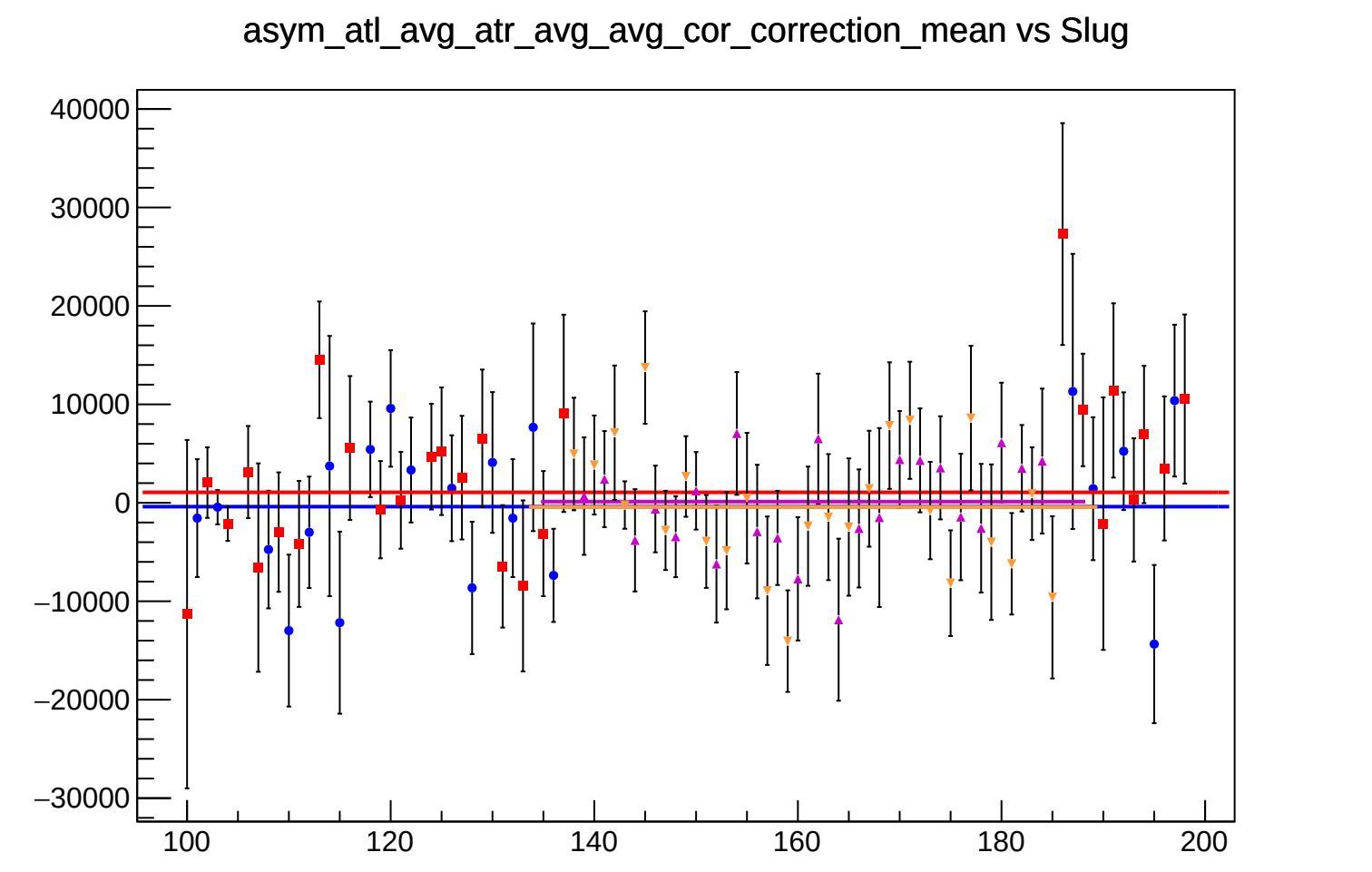
Right Out: 1319.224+/-0.267 χ^2/NDF: 487854.8/26

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.110+/-0.168 χ^2/NDF: 712781.2/45

All: 1292.822+/-0.118 χ^2/NDF: 1258213.3/95

- sign 1292.542+/-0.165 χ^2/NDF: 545426.2/49



Right In: -391.552+/-1118.298 χ^2/NDF: 21.4/20

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

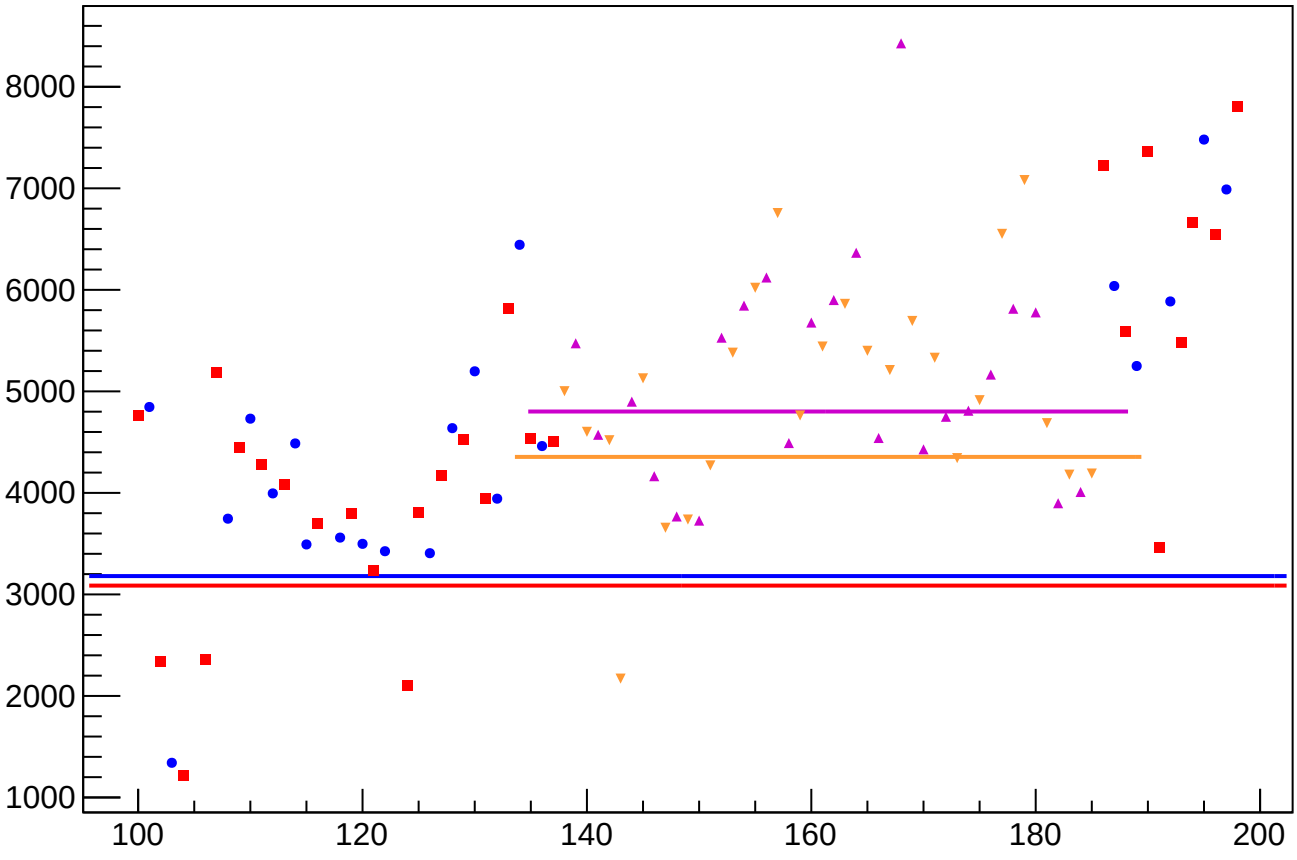
Right Out: 1062.463+/-1018.073 χ^2/NDF: 27.9/26

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -411.413+/-760.796 χ^2/NDF: 51.2/45

All: 117.297+/-537.941 χ^2/NDF: 94.0/95

- sign 645.915+/-760.730 χ^2/NDF: 41.8/49



Right In: 3180.647+/-0.791 χ^2/NDF: 4913142.3/20

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

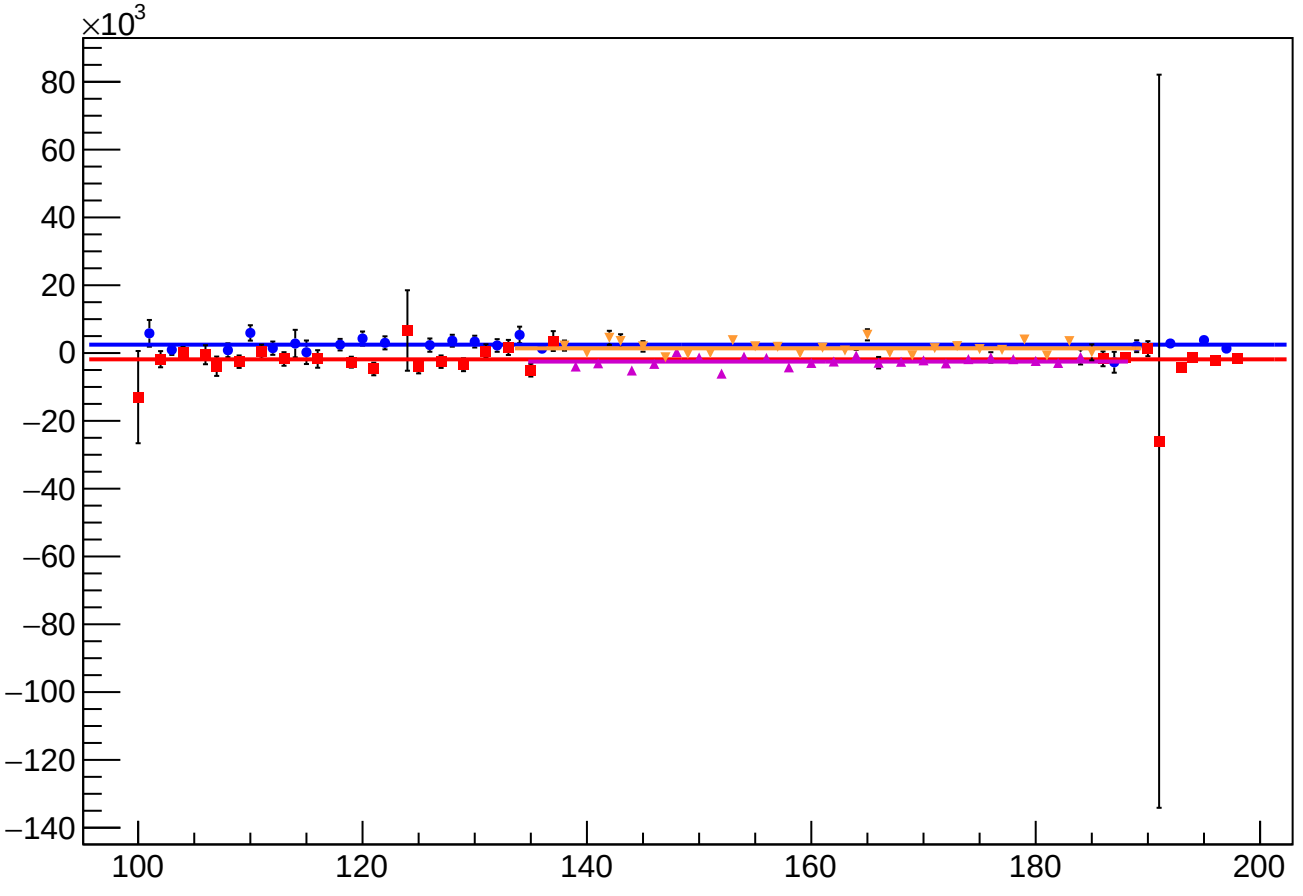
Right Out: 3086.838+/-0.720 χ^2/NDF: 6222266.9/26

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3811.212+/-0.538 χ^2/NDF: 9168427.5/45

All: 3827.685+/-0.380 χ^2/NDF: 19130268.0/9

- sign 3844.155+/-0.538 χ^2/NDF: 9959965.3/49



Right In: 2473.839+/-405.977 χ^2/NDF: 13.6/20

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1855.774+/-378.340 χ^2/NDF: 24.6/26

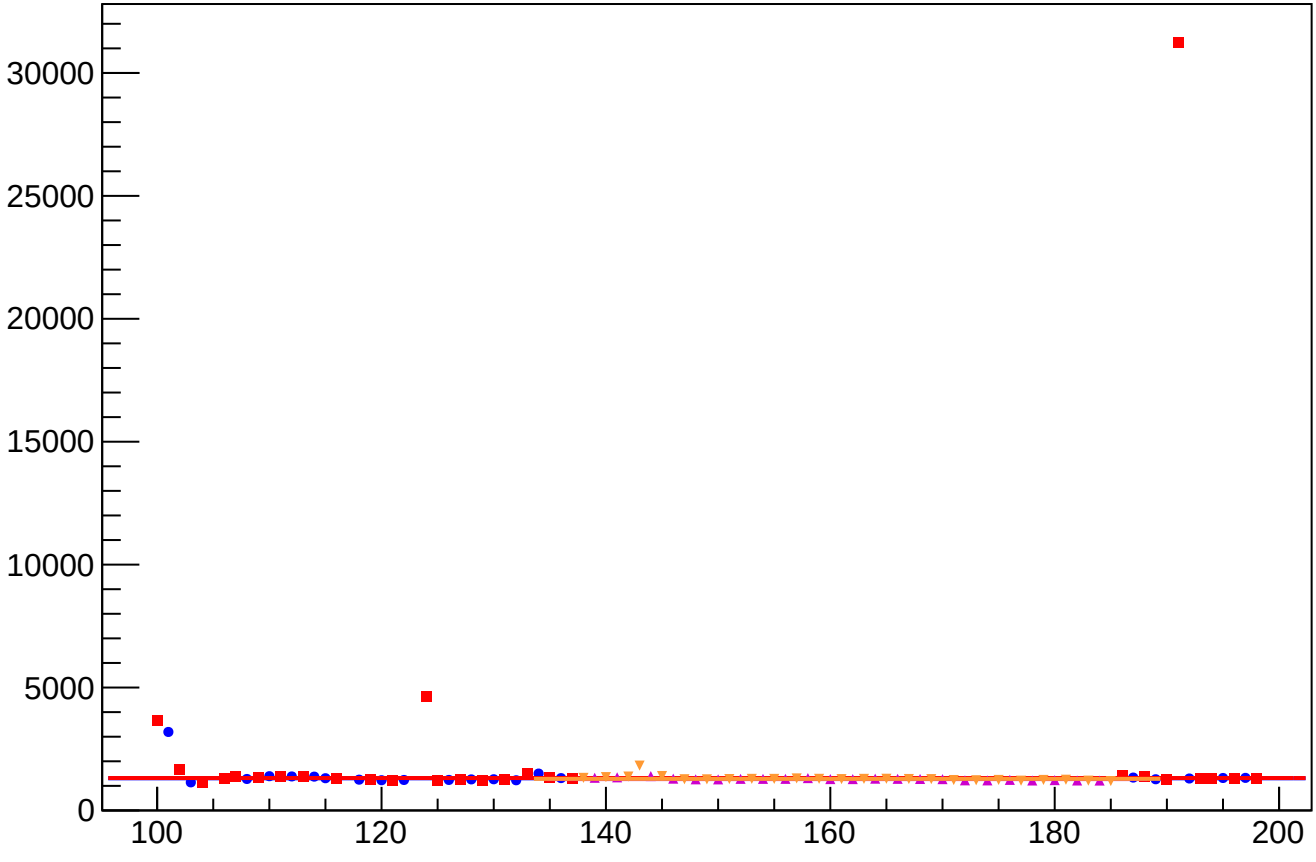
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1756.343+/-237.467 χ^2/NDF: 51.3/45

All: -282.722+/-166.729 χ^2/NDF: 245.7/95

- sign -2265.199+/-234.149 χ^2/NDF: 49.0/49

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.455+/-0.287 χ^2/NDF: 517958.1/20

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

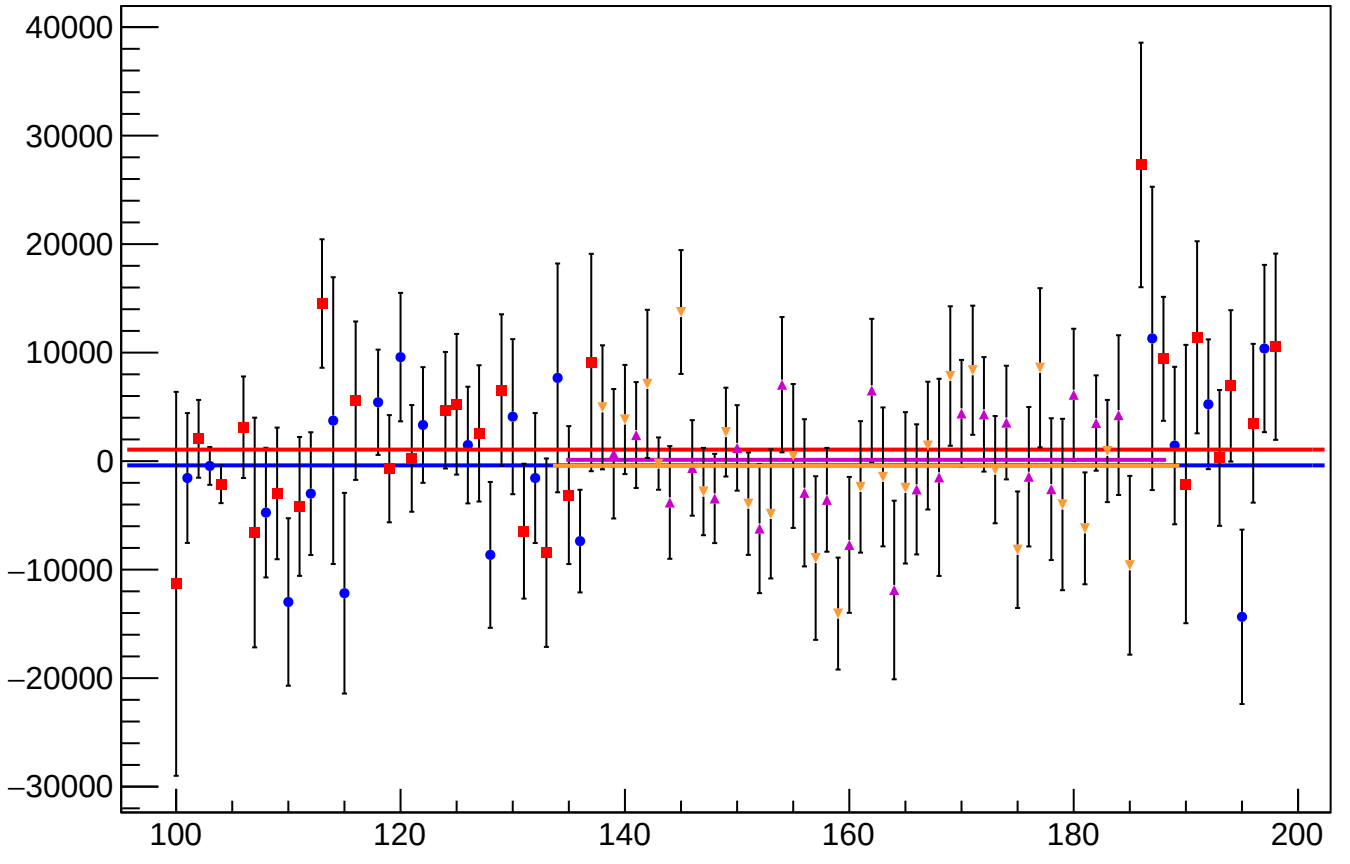
Right Out: 1319.224+/-0.267 χ^2/NDF: 487854.8/26

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.110+/-0.168 χ^2/NDF: 712781.2/45

All: 1292.822+/-0.118 χ^2/NDF: 1258213.3/95

- sign 1292.542+/-0.165 χ^2/NDF: 545426.2/49



Right In: -391.552+/-1118.298 χ^2/NDF: 21.4/20

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

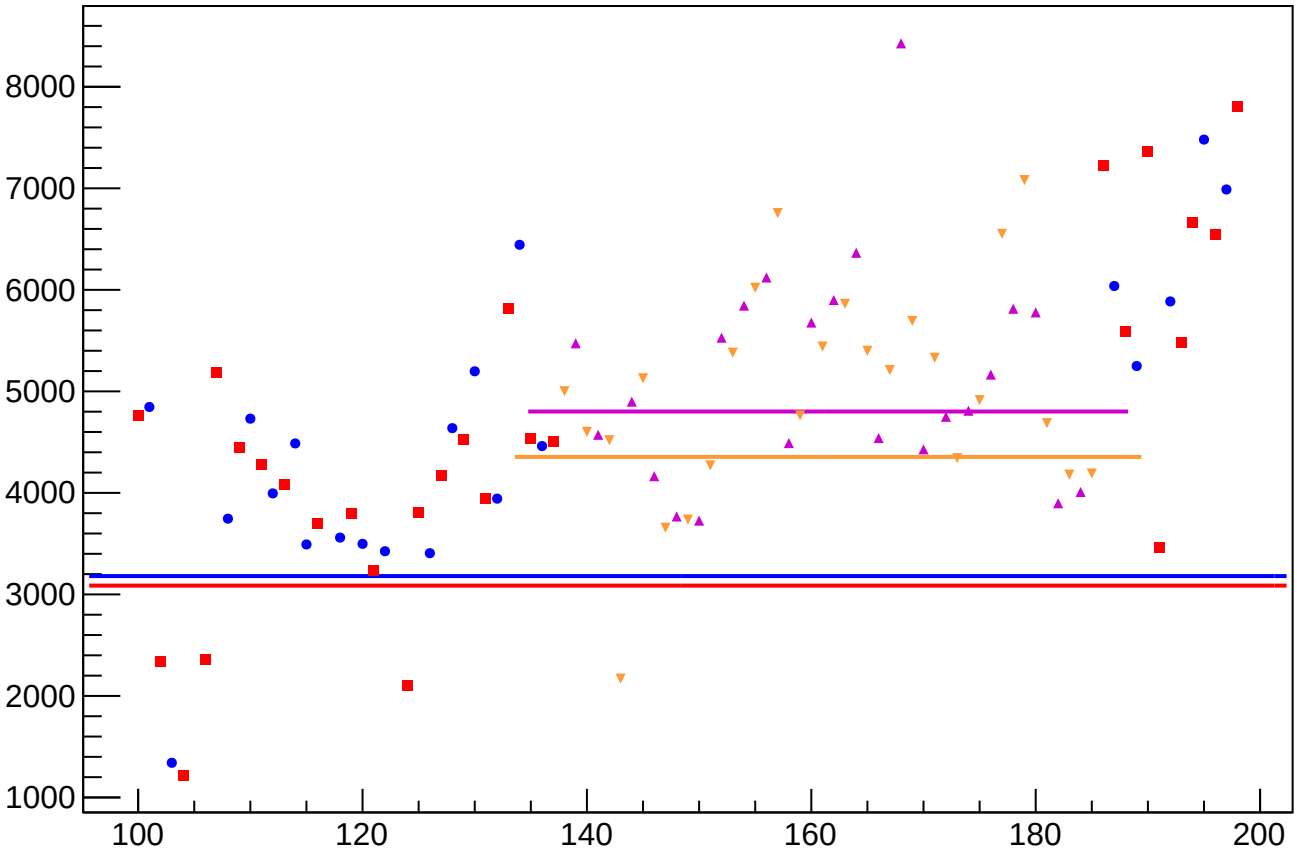
Right Out: 1062.463+/-1018.073 χ^2/NDF: 27.9/26

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -411.413+/-760.796 χ^2/NDF: 51.2/45

All: 117.297+/-537.941 χ^2/NDF: 94.0/95

- sign 645.915+/-760.730 χ^2/NDF: 41.8/49



Right In: 3180.647+/-0.791 χ^2/NDF: 4913142.3/20

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3086.838+/-0.720 χ^2/NDF: 6222266.9/26

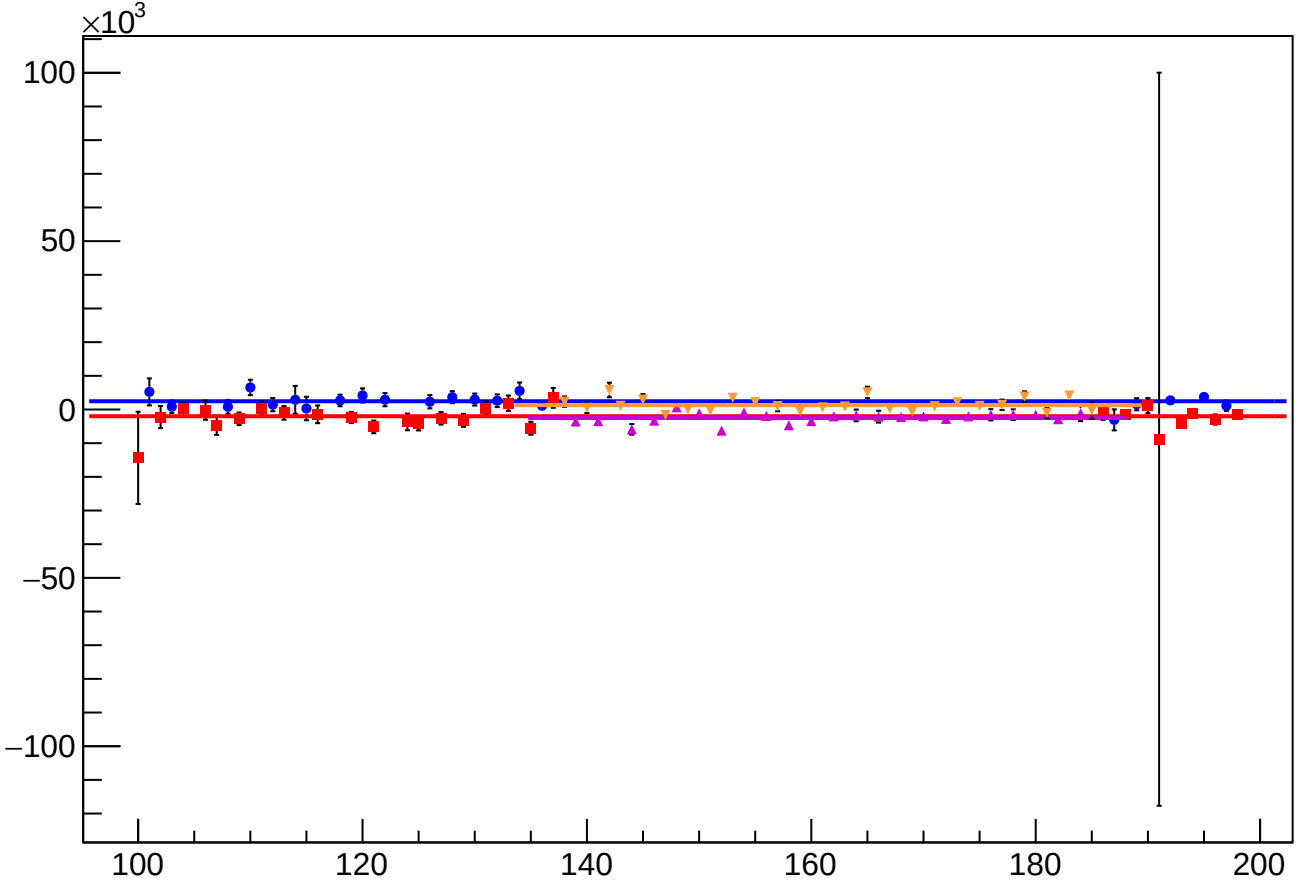
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 3811.212+/-0.538 χ^2/NDF: 9168427.5/45

All: 3827.685+/-0.380 χ^2/NDF: 19130268.0/9

\- sign 3844.155+/-0.538 χ^2/NDF: 9959965.3/49

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2450.377+/-419.523 χ^2/NDF: 14.4/20

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -1996.718+/-386.153 χ^2/NDF: 26.0/26

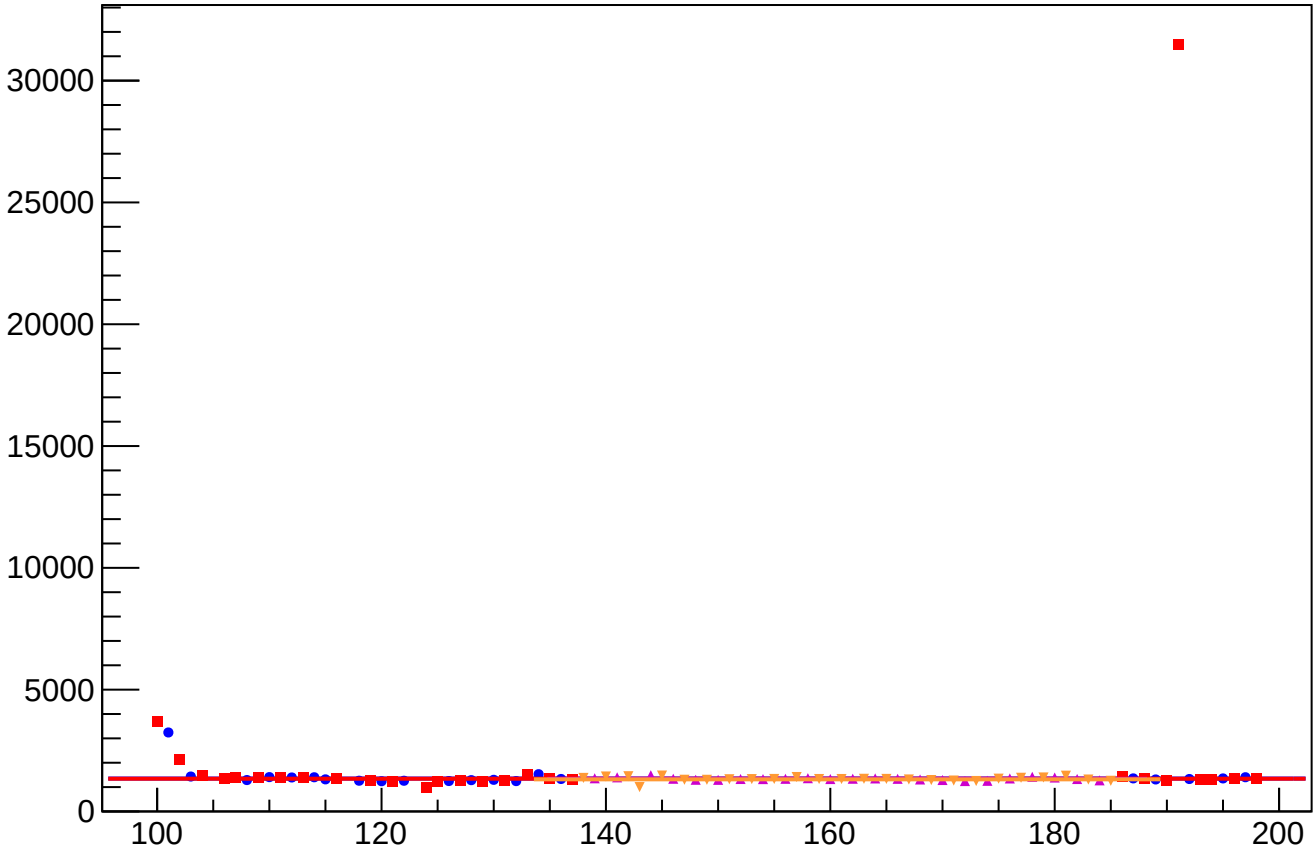
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1679.839+/-244.311 χ^2/NDF: 52.8/45

All: -329.870+/-172.325 χ^2/NDF: 239.7/95

- sign -2319.727+/-243.101 χ^2/NDF: 52.2/49

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1351.214+/-0.297 χ^2/NDF: 497806.5/20

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

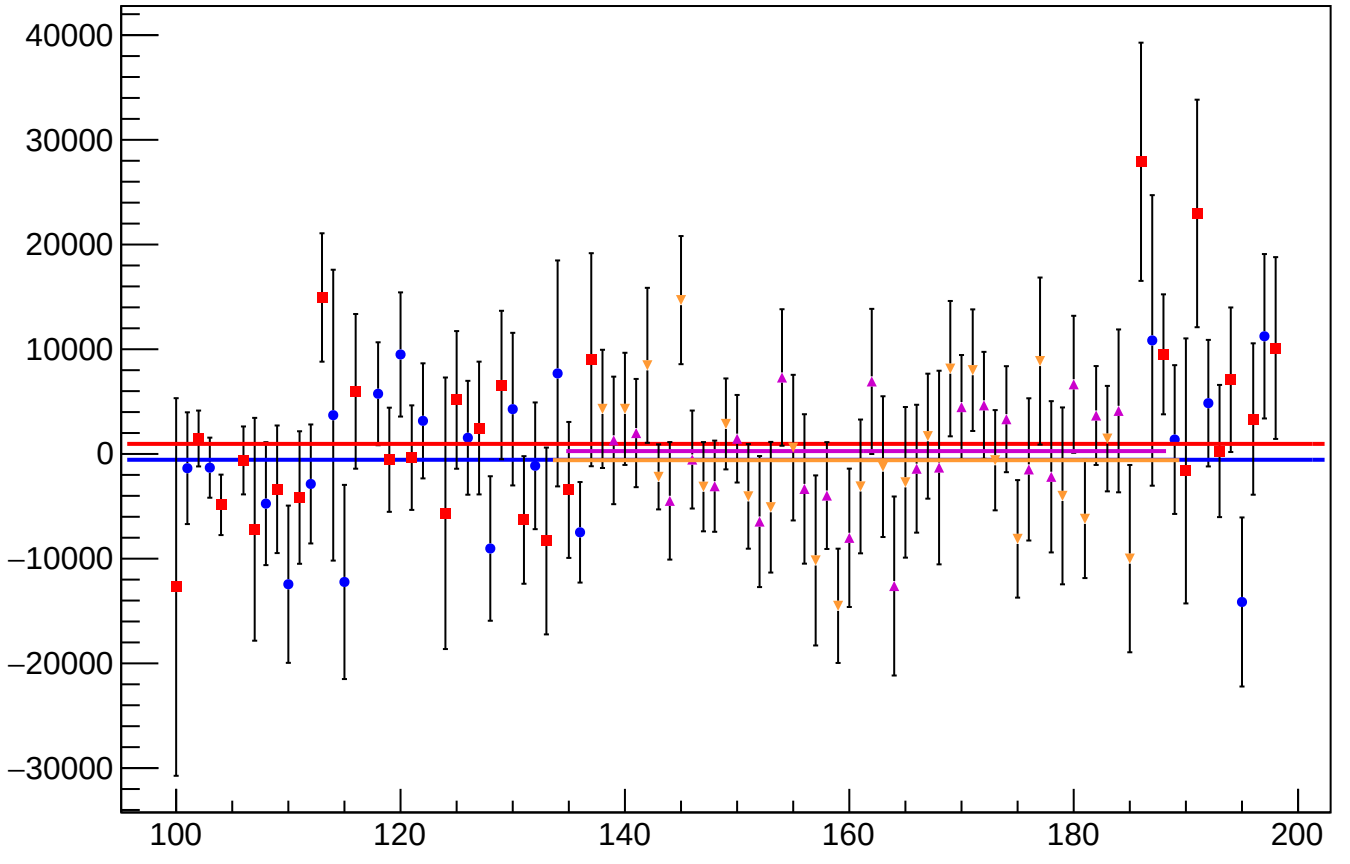
Right Out: 1344.195+/-0.273 χ^2/NDF: 434083.4/26

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1329.379+/-0.173 χ^2/NDF: 754552.2/45

All: 1335.129+/-0.122 χ^2/NDF: 1245341.4/95

- sign 1340.820+/-0.172 χ^2/NDF: 488585.2/49



Right In: -555.945+/-1300.871 χ^2/NDF: 21.3/20

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

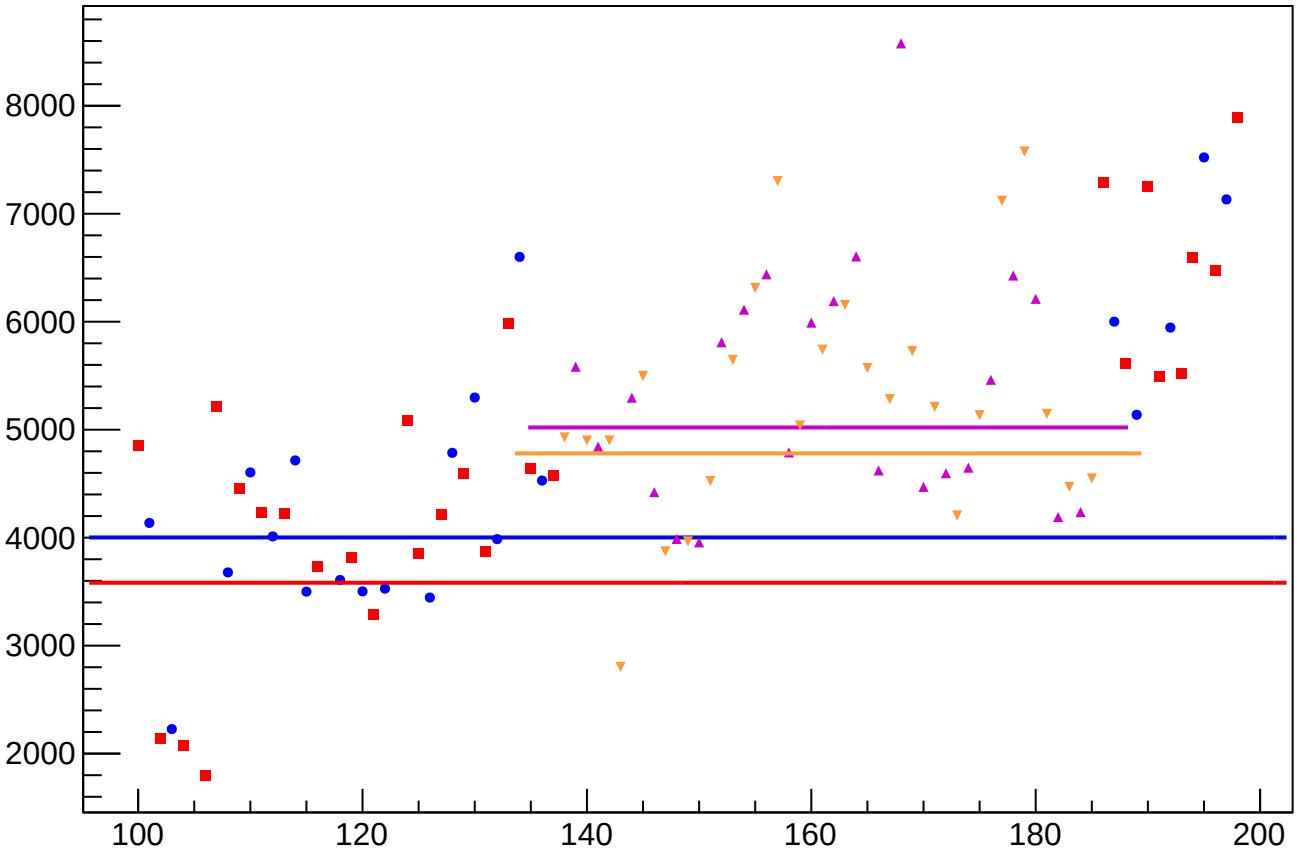
Right Out: 961.996+/-1102.337 χ^2/NDF: 31.4/26

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

\+ sign -578.287+/-849.758 χ^2/NDF: 50.9/45

All: 62.407+/-586.616 χ^2/NDF: 97.0/95

\- sign 645.721+/-810.813 χ^2/NDF: 45.0/49



Right In: 4002.047+/-0.920 χ^2/NDF: 2086278.7/20

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

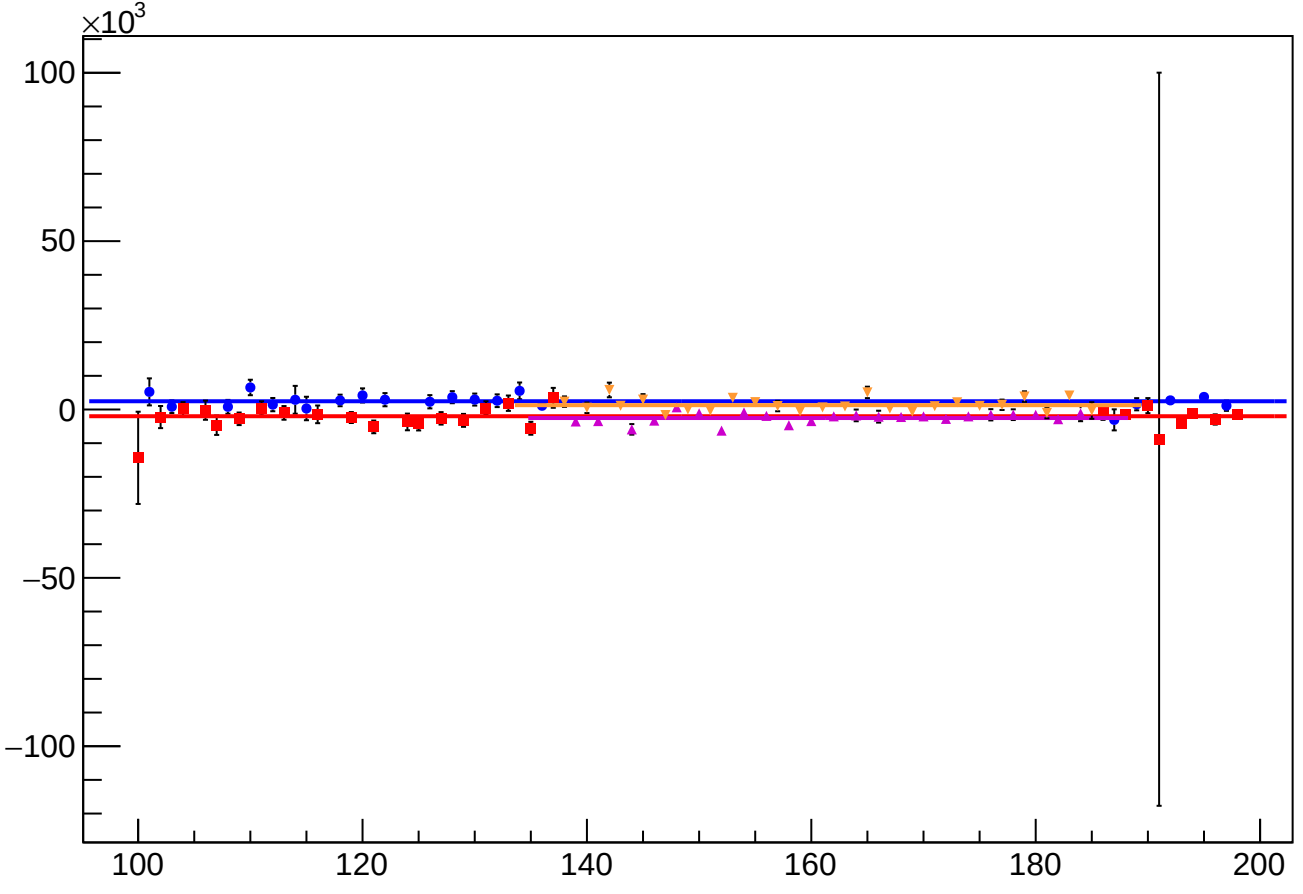
Right Out: 3582.442+/-0.779 χ^2/NDF: 4278341.4/26

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4448.275+/-0.601 χ^2/NDF: 4503005.0/45

All: 4340.570+/-0.415 χ^2/NDF: 11630194.5/9

- sign 4242.511+/-0.573 χ^2/NDF: 7065807.1/49



Right In: 2450.375+/-419.523 χ^2/NDF: 14.4/20

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -1996.718+/-386.153 χ^2/NDF: 26.0/26

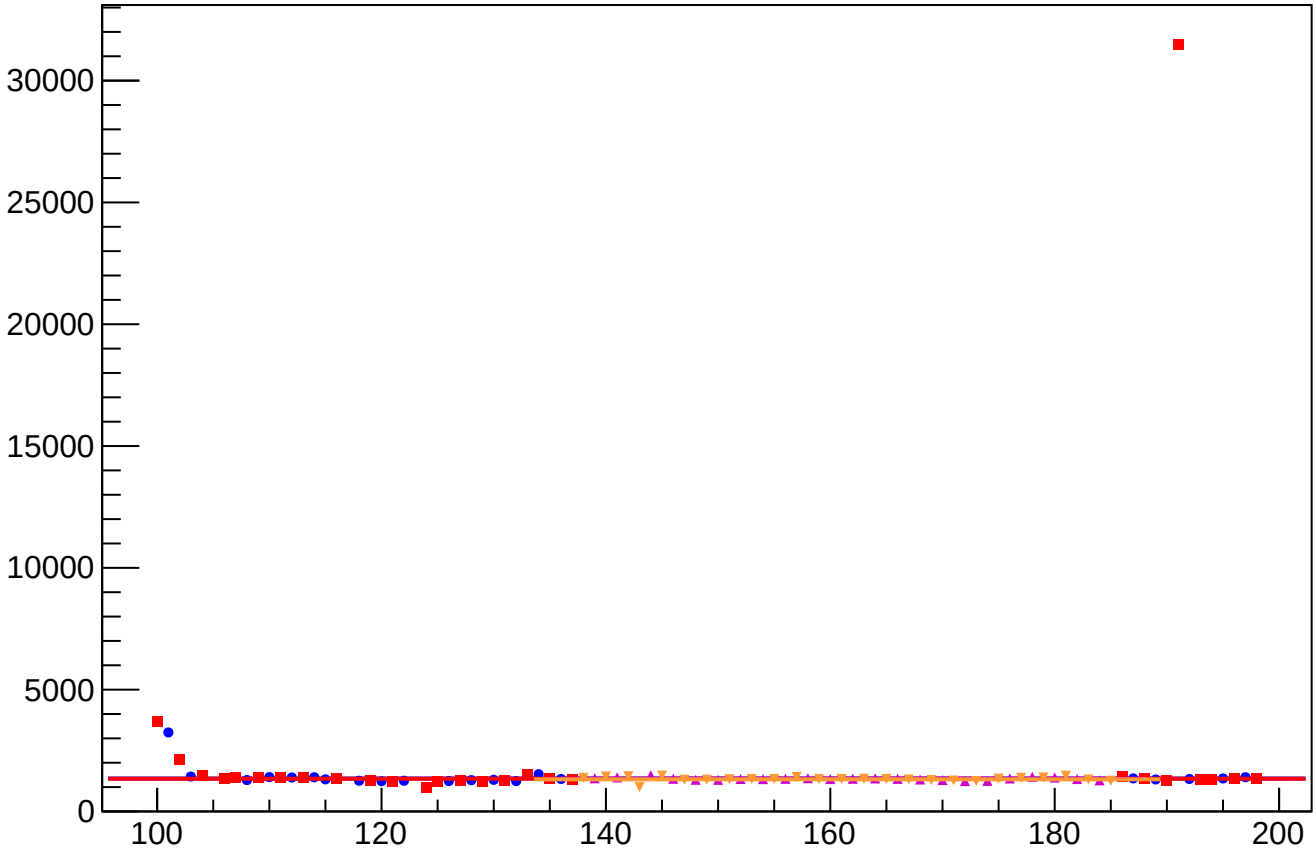
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1679.836+/-244.311 χ^2/NDF: 52.8/45

All: -329.872+/-172.325 χ^2/NDF: 239.7/95

- sign -2319.726+/-243.101 χ^2/NDF: 52.2/49

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1351.214+/-0.297 χ^2/NDF: 497806.8/20

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

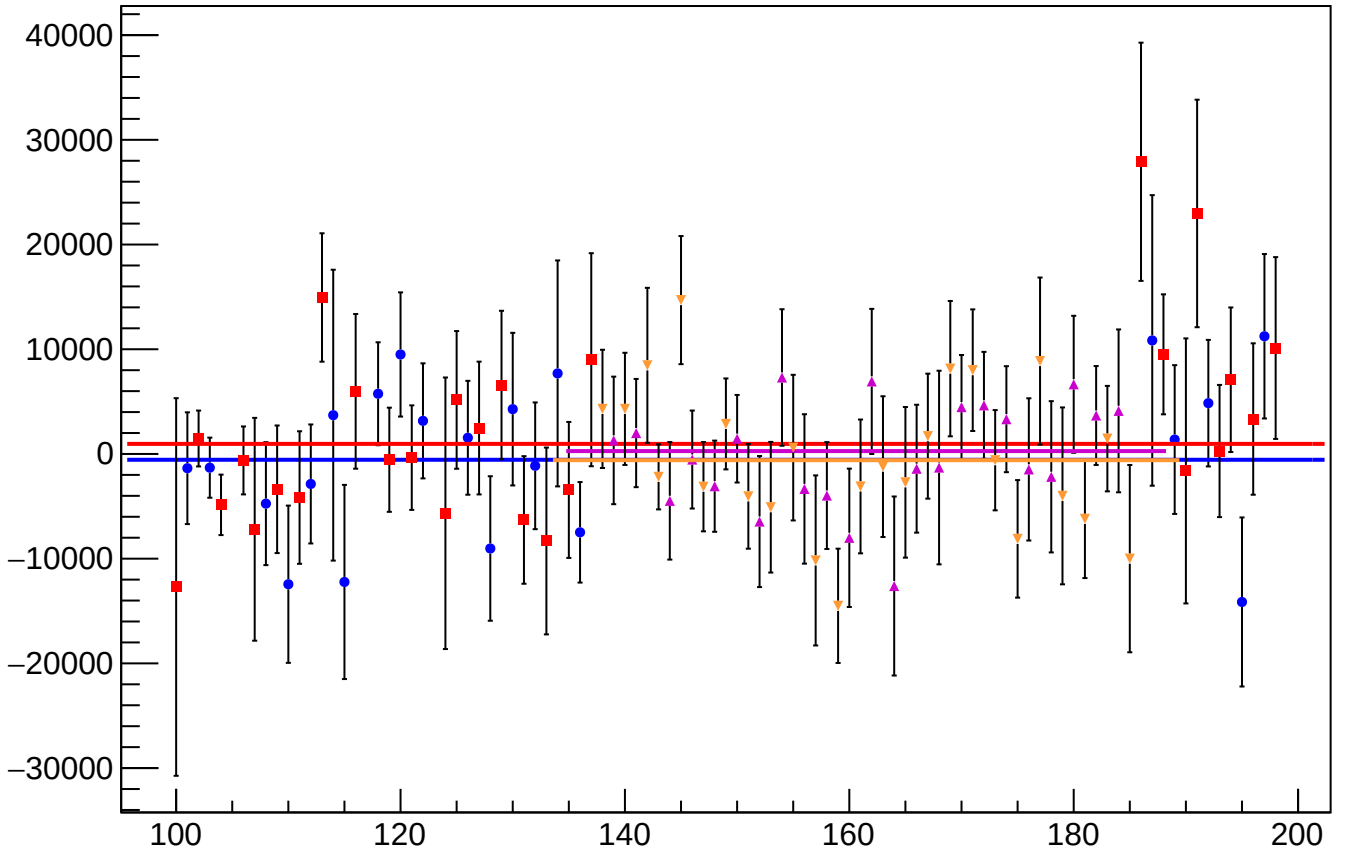
Right Out: 1344.195+/-0.273 χ^2/NDF: 434082.3/26

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1329.380+/-0.173 χ^2/NDF: 754554.2/45

All: 1335.130+/-0.122 χ^2/NDF: 1245344.7/95

- sign 1340.821+/-0.172 χ^2/NDF: 488586.5/49



Right In: -555.939+/-1300.868 χ^2/NDF: 21.3/20

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

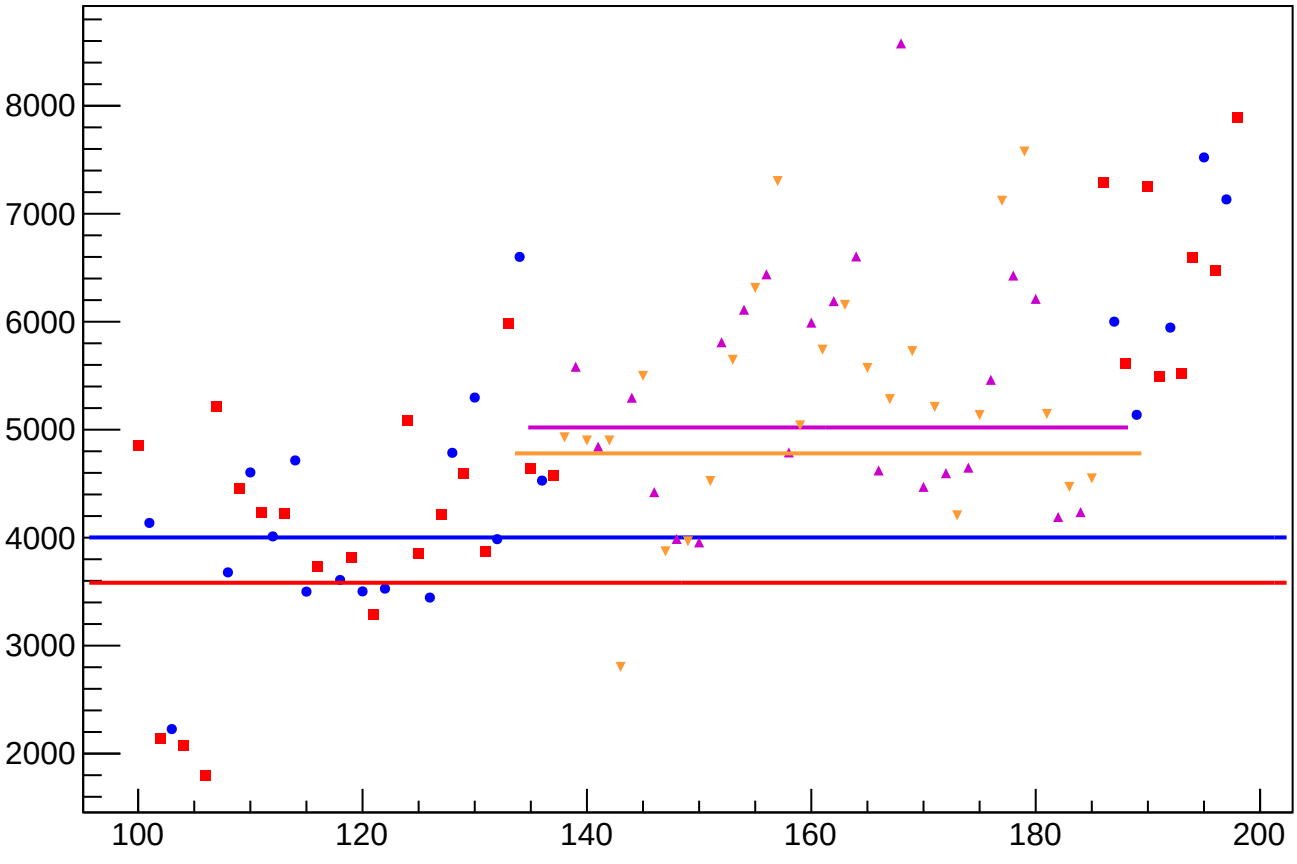
Right Out: 961.989+/-1102.335 χ^2/NDF: 31.4/26

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -578.287+/-849.758 χ^2/NDF: 50.9/45

All: 62.407+/-586.616 χ^2/NDF: 97.0/95

- sign 645.719+/-810.813 χ^2/NDF: 45.0/49



Right In: 4002.038+/-0.920 χ^2/NDF: 2086293.5/20

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

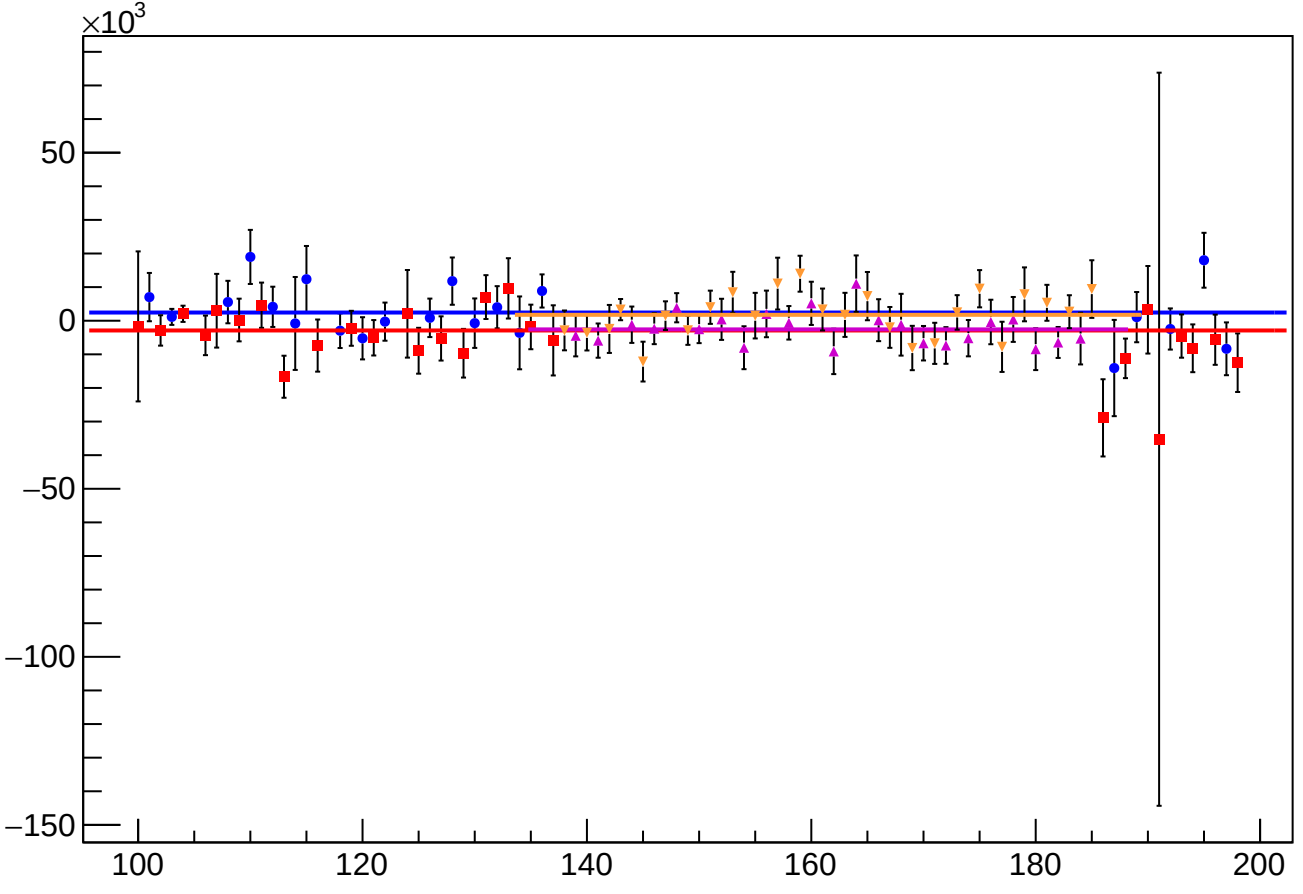
Right Out: 3582.433+/-0.779 χ^2/NDF: 4278362.8/26

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4448.274+/-0.601 χ^2/NDF: 4503039.1/45

All: 4340.567+/-0.415 χ^2/NDF: 11630292.3/9

- sign 4242.507+/-0.573 χ^2/NDF: 7065868.7/49



Right In: 2438.995+/-1292.448 χ^2/NDF: 20.8/20

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2897.221+/-1215.456 χ^2/NDF: 27.1/26

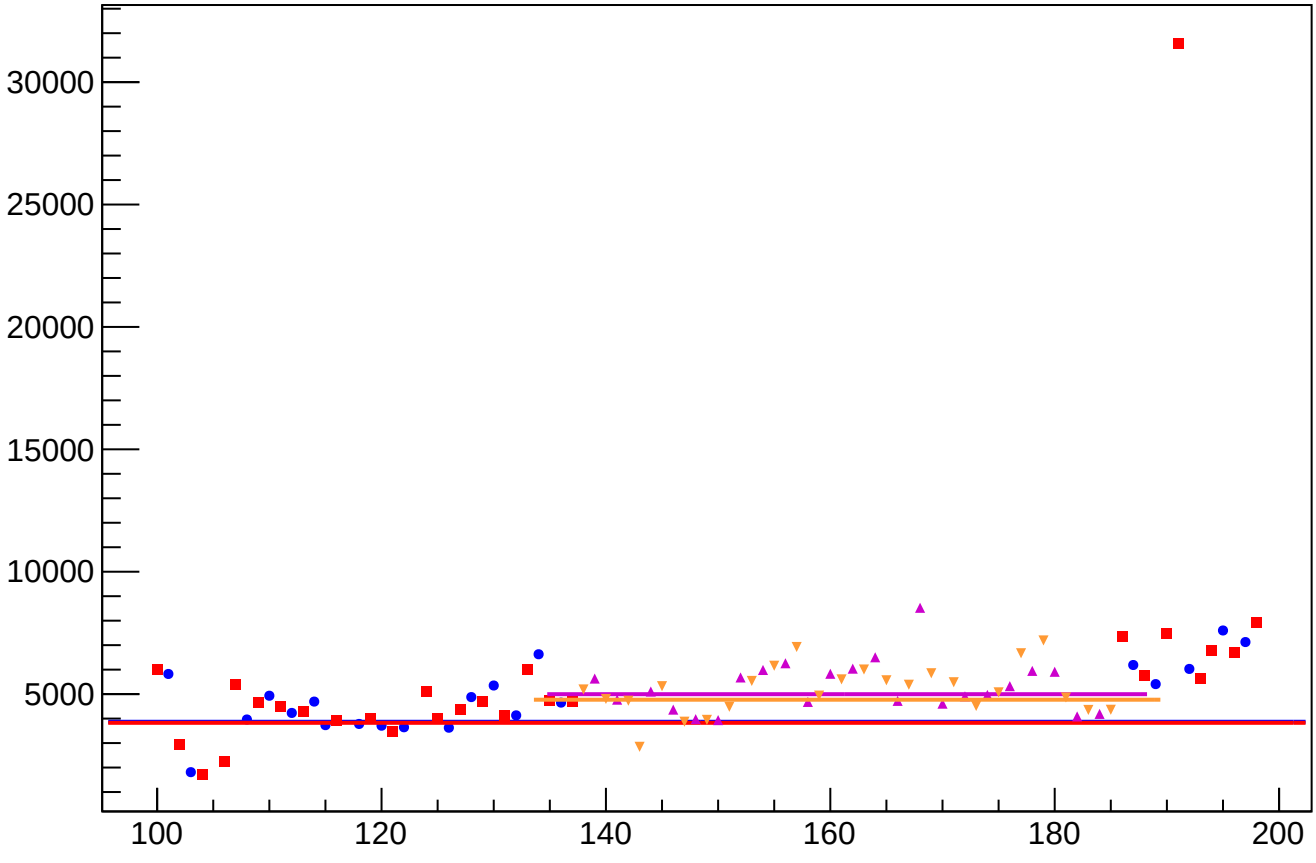
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 2051.051+/-844.781 χ^2/NDF: 48.6/45

All: -327.962+/-599.099 χ^2/NDF: 105.0/95

- sign -2735.026+/-849.747 χ^2/NDF: 40.4/49

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3870.037+/-0.914 χ^2/NDF: 3153771.1/20

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

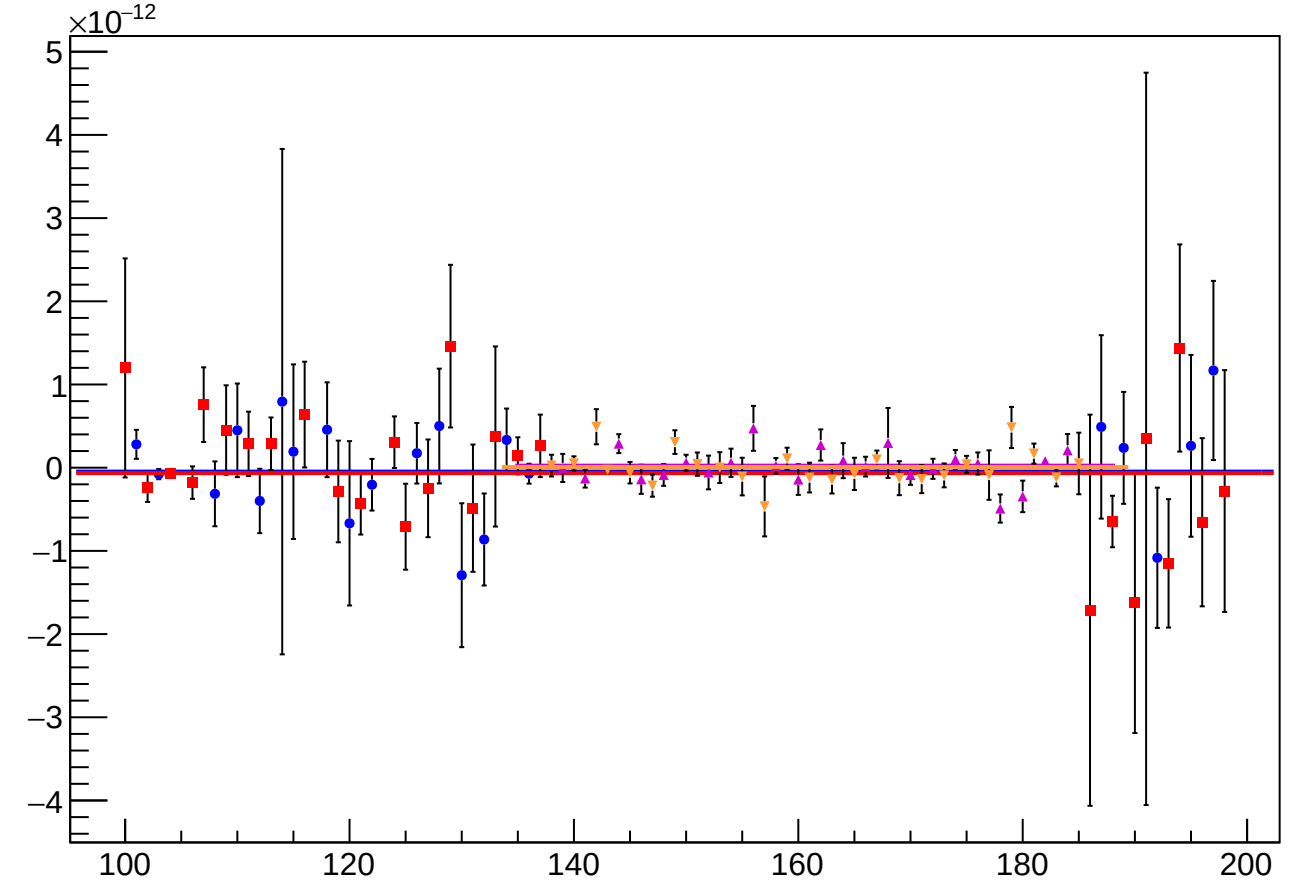
Right Out: 3827.580+/-0.850 χ^2/NDF: 4154339.9/26

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4386.181+/-0.597 χ^2/NDF: 5497751.3/45

All: 4402.397+/-0.422 χ^2/NDF: 11706500.0/9

- sign 4418.622+/-0.598 χ^2/NDF: 6207274.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

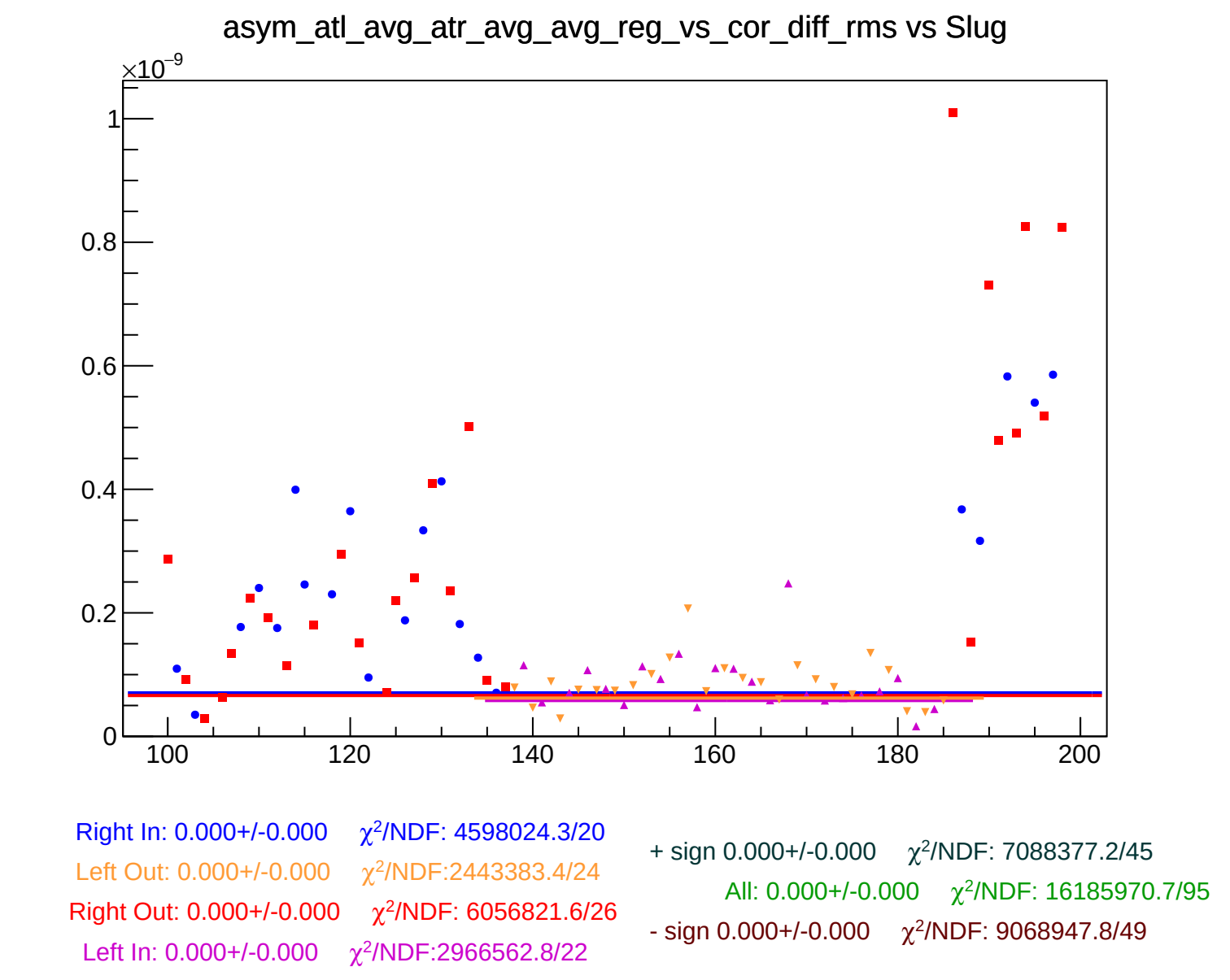
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/26

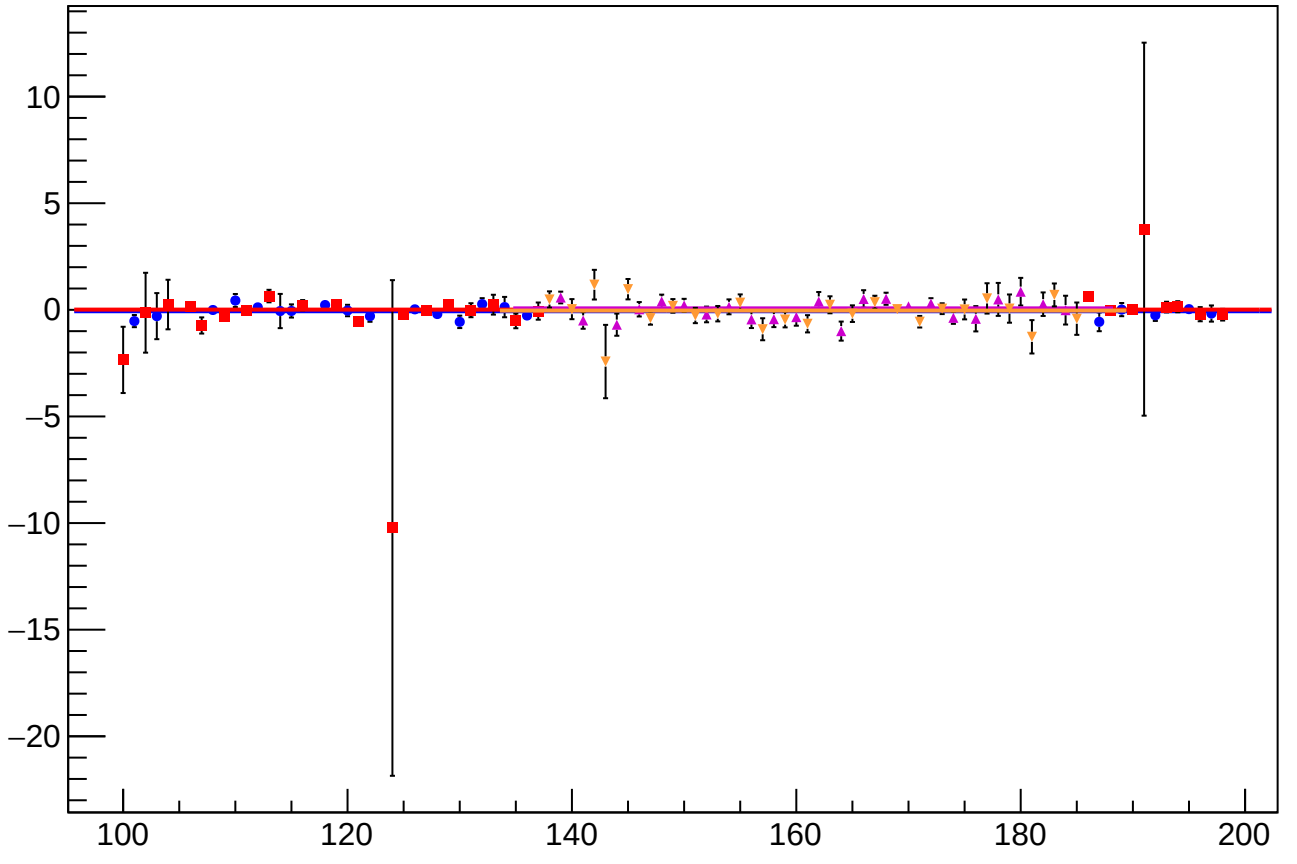
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/45

All: -0.000+/-0.000 χ^2/NDF: 107.1/95

- sign 0.000+/-0.000 χ^2/NDF: 62.0/49


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4598024.3/20
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 6056821.6/26
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 7088377.2/45
All: 0.000+/-0.000 χ²/NDF: 16185970.7/95
- sign 0.000+/-0.000 χ²/NDF: 9068947.8/49



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.011+/-0.048 χ^2/NDF: 37.0/26

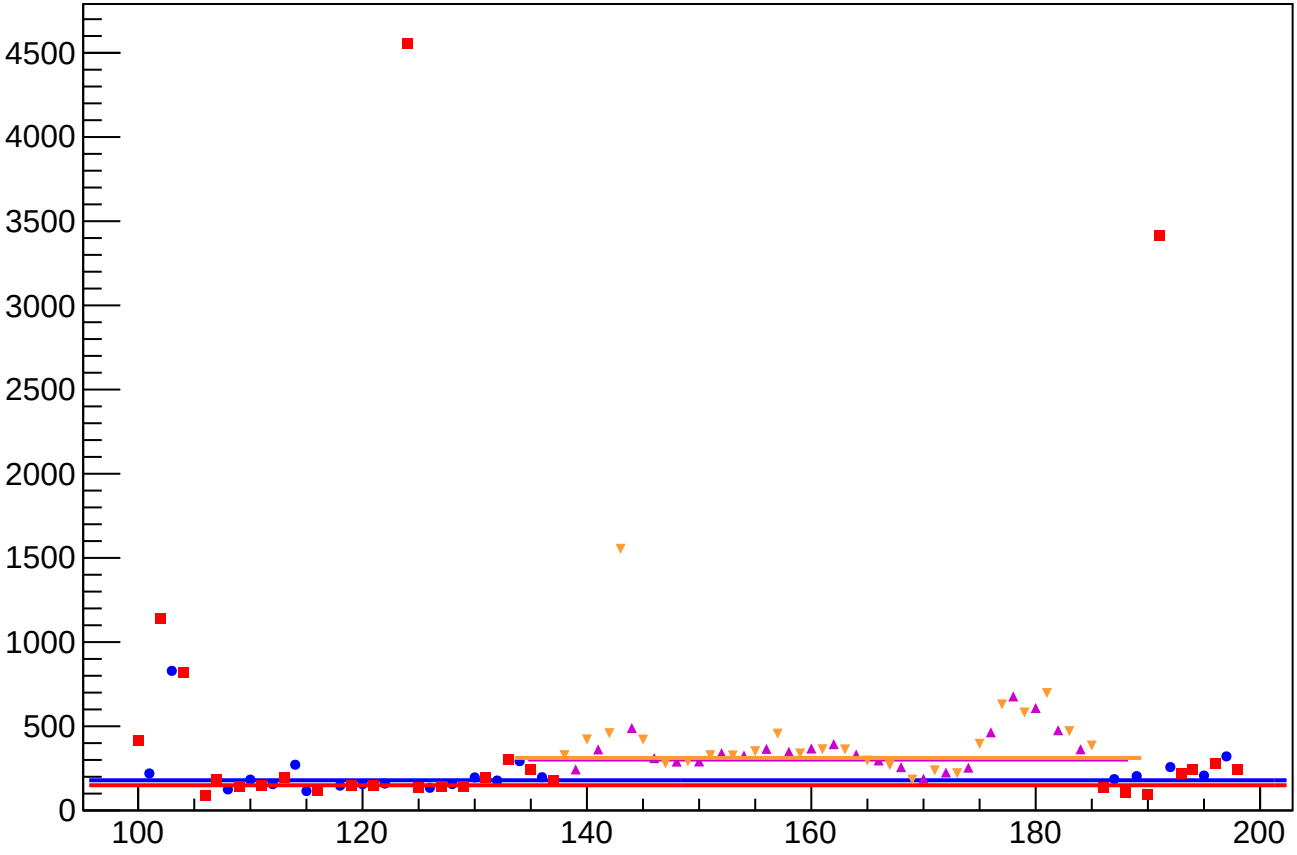
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

\+ sign -0.054+/-0.047 χ^2/NDF: 49.6/45

All: -0.007+/-0.031 χ^2/NDF: 118.7/95

\- sign 0.028+/-0.041 χ^2/NDF: 67.4/49

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 179.247+/-0.042 χ^2/NDF: 1851108.4/20

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

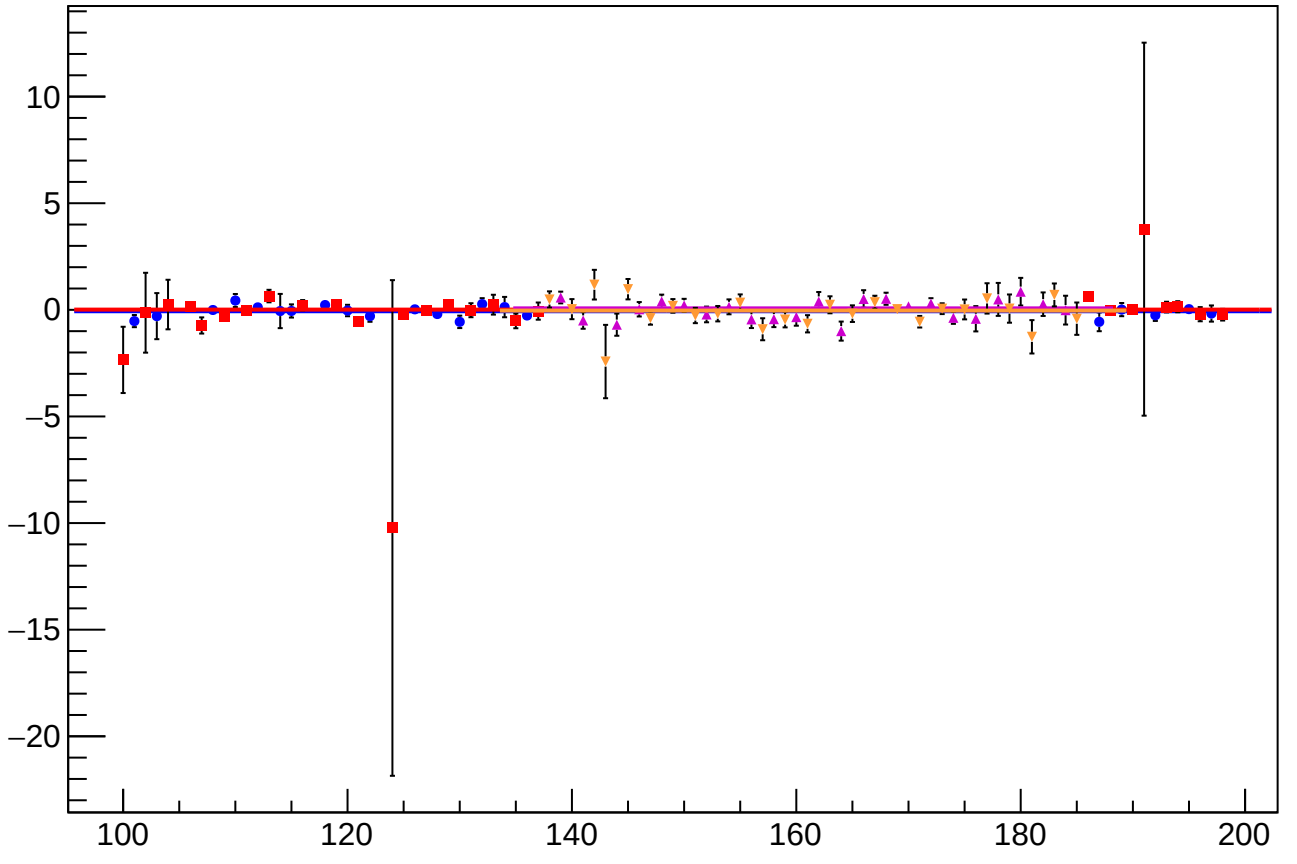
Right Out: 149.698+/-0.034 χ^2/NDF: 4089319.0/26

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 229.433+/-0.033 χ^2/NDF: 9927366.2/45

All: 209.557+/-0.022 χ^2/NDF: 23303889.8/95

- sign 194.756+/-0.029 χ^2/NDF: 12756481.5/49



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

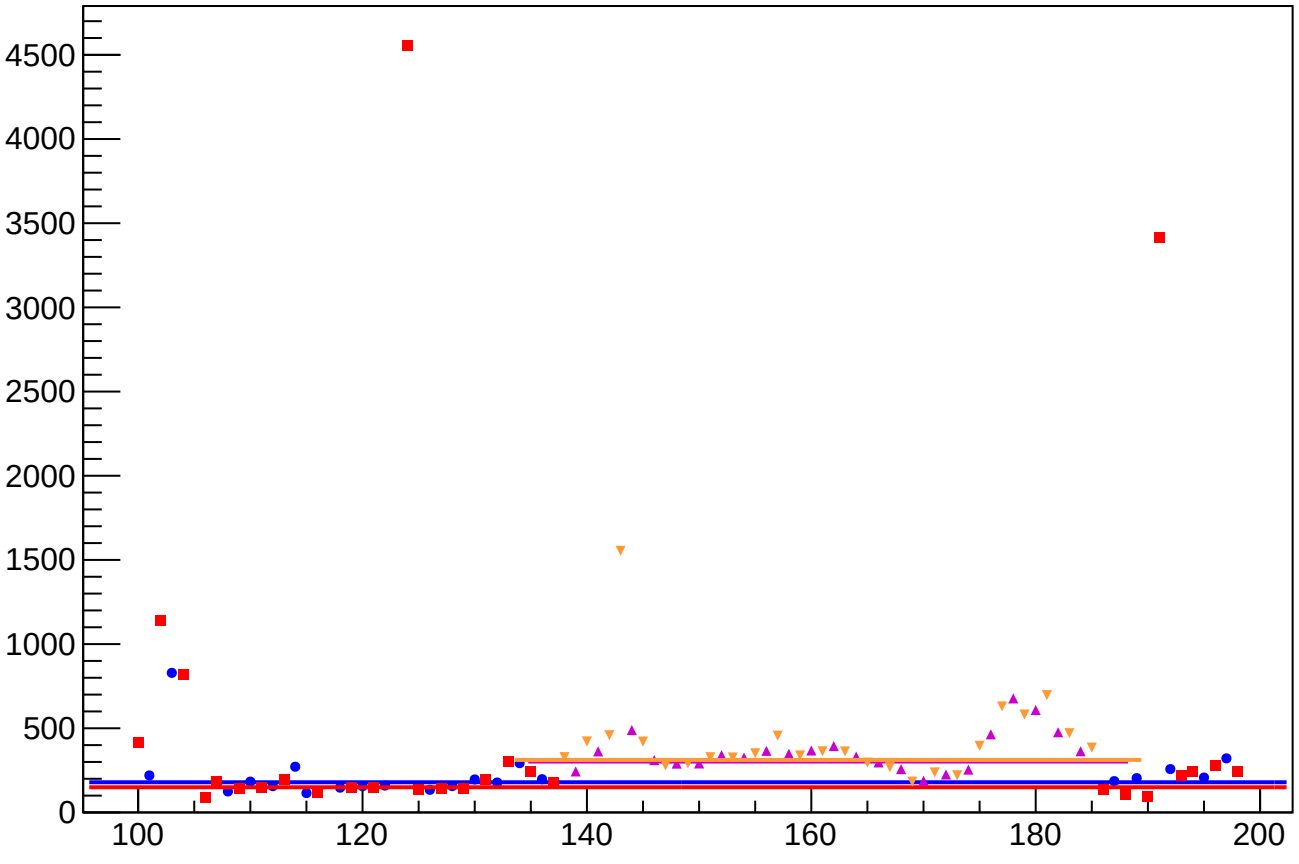
Right Out: 0.011+/-0.048 χ^2/NDF: 37.0/26

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.054+/-0.047 χ^2/NDF: 49.6/45

All: -0.007+/-0.031 χ^2/NDF: 118.7/95

- sign 0.028+/-0.041 χ^2/NDF: 67.4/49



Right In: 179.247+/-0.042 χ^2/NDF: 1851108.4/20

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

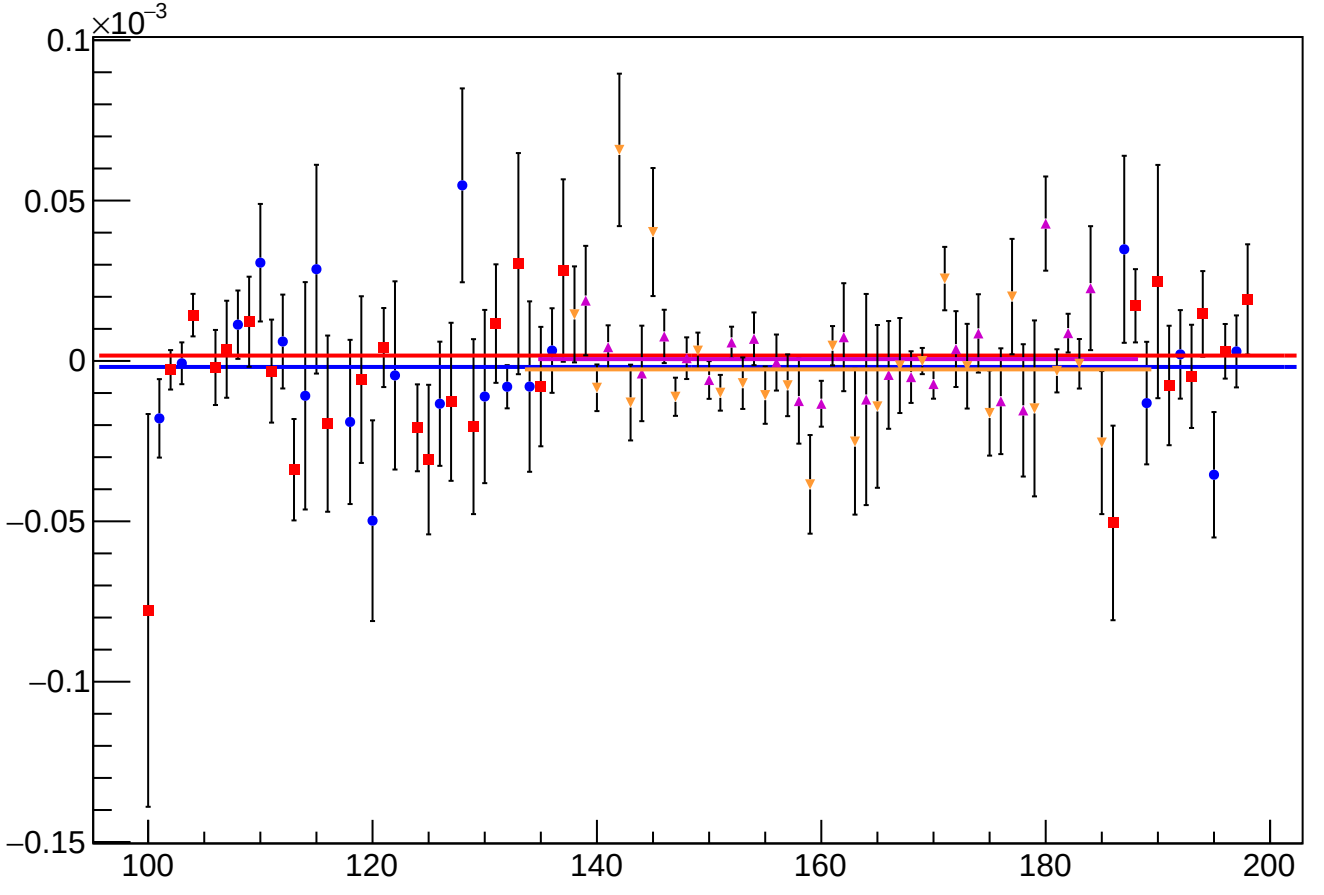
Right Out: 149.698+/-0.034 χ^2/NDF: 4089319.0/26

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 229.433+/-0.033 χ^2/NDF: 9927366.2/45

All: 209.557+/-0.022 χ^2/NDF: 23303889.8/95

- sign 194.756+/-0.029 χ^2/NDF: 12756481.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

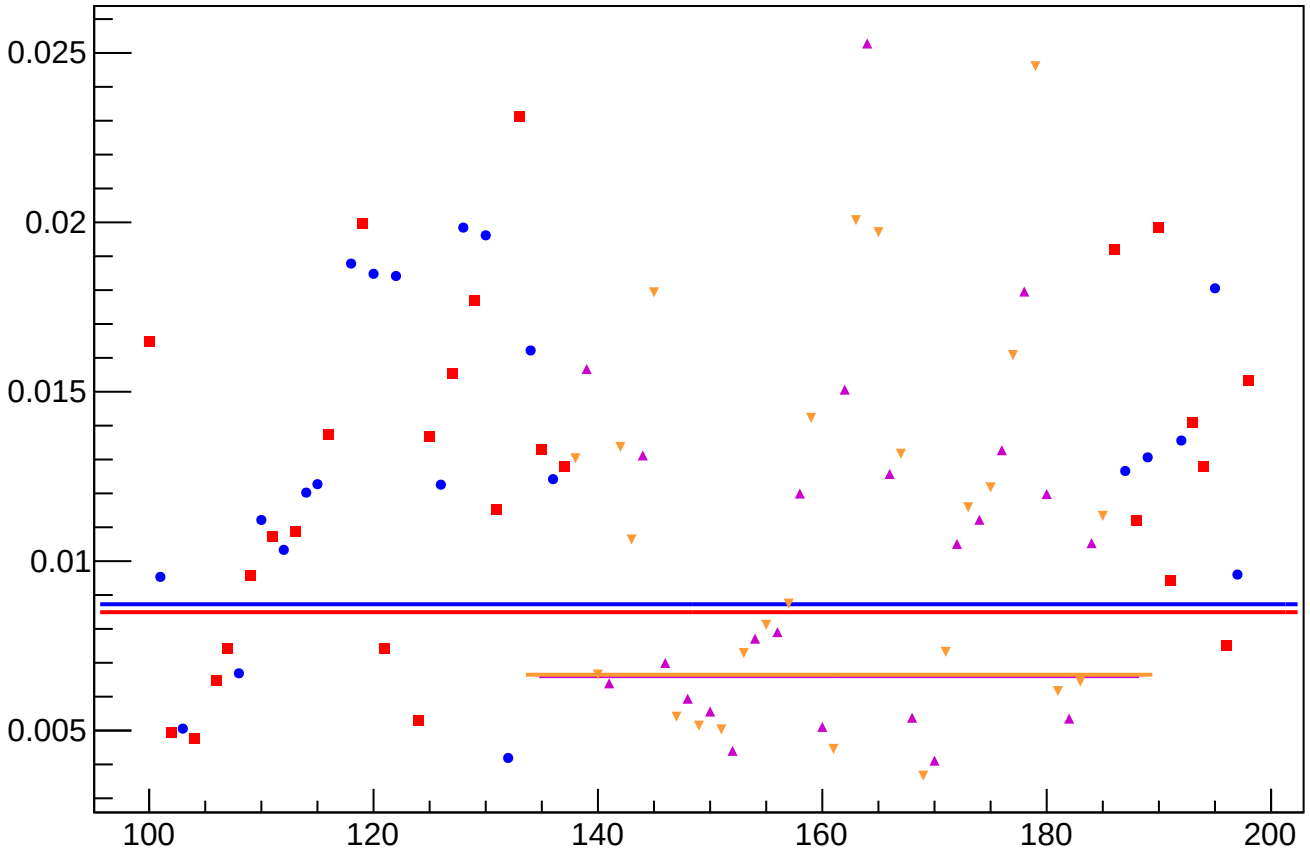
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/26

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.1/45

All: -0.000+/-0.000 χ^2/NDF: 120.4/95

- sign 0.000+/-0.000 χ^2/NDF: 54.8/49



Right In: 0.009+/-0.000 χ^2/NDF: 4277520.8/20

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

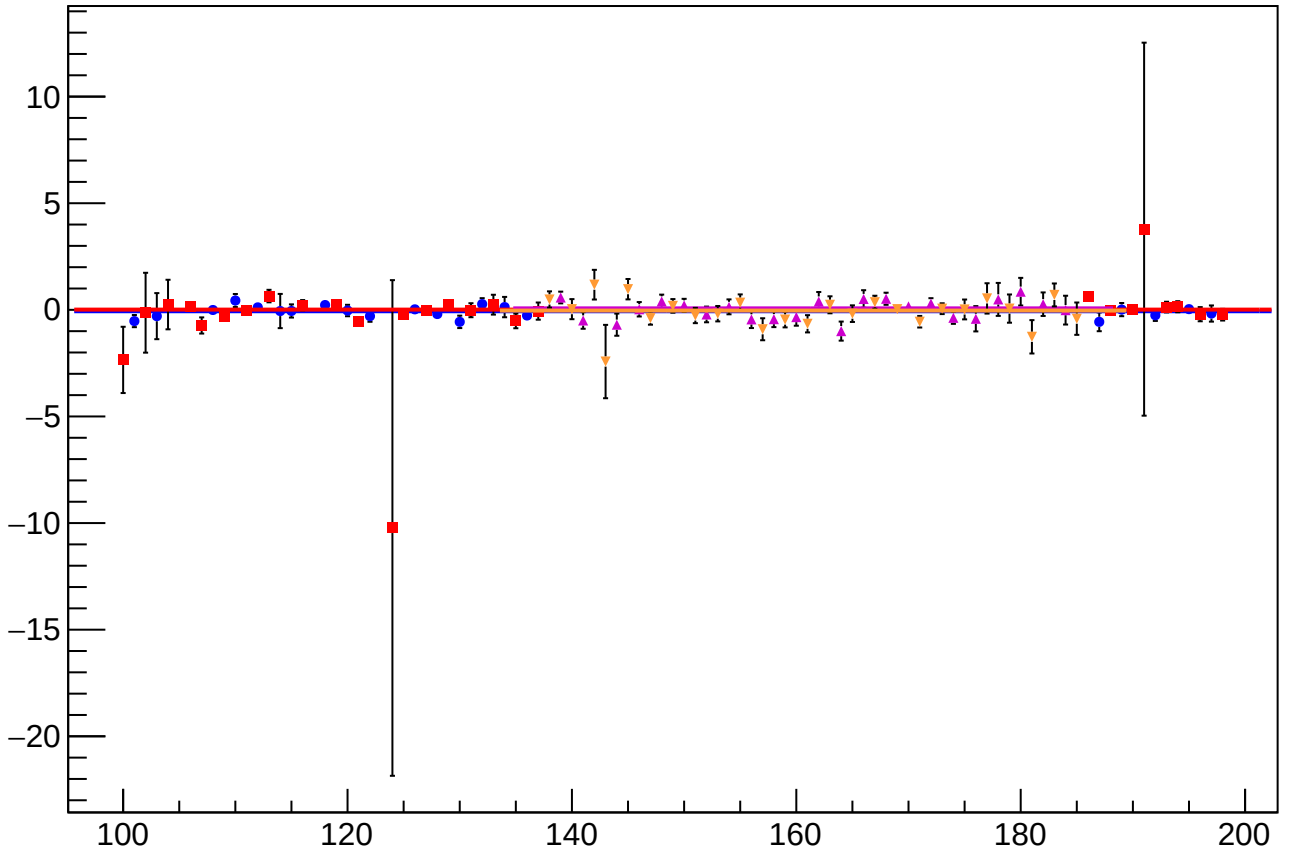
Right Out: 0.008+/-0.000 χ^2/NDF: 4521878.5/26

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 12487801.9/45

All: 0.007+/-0.000 χ^2/NDF: 23560471.7/95

- sign 0.007+/-0.000 χ^2/NDF: 11072167.2/49



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

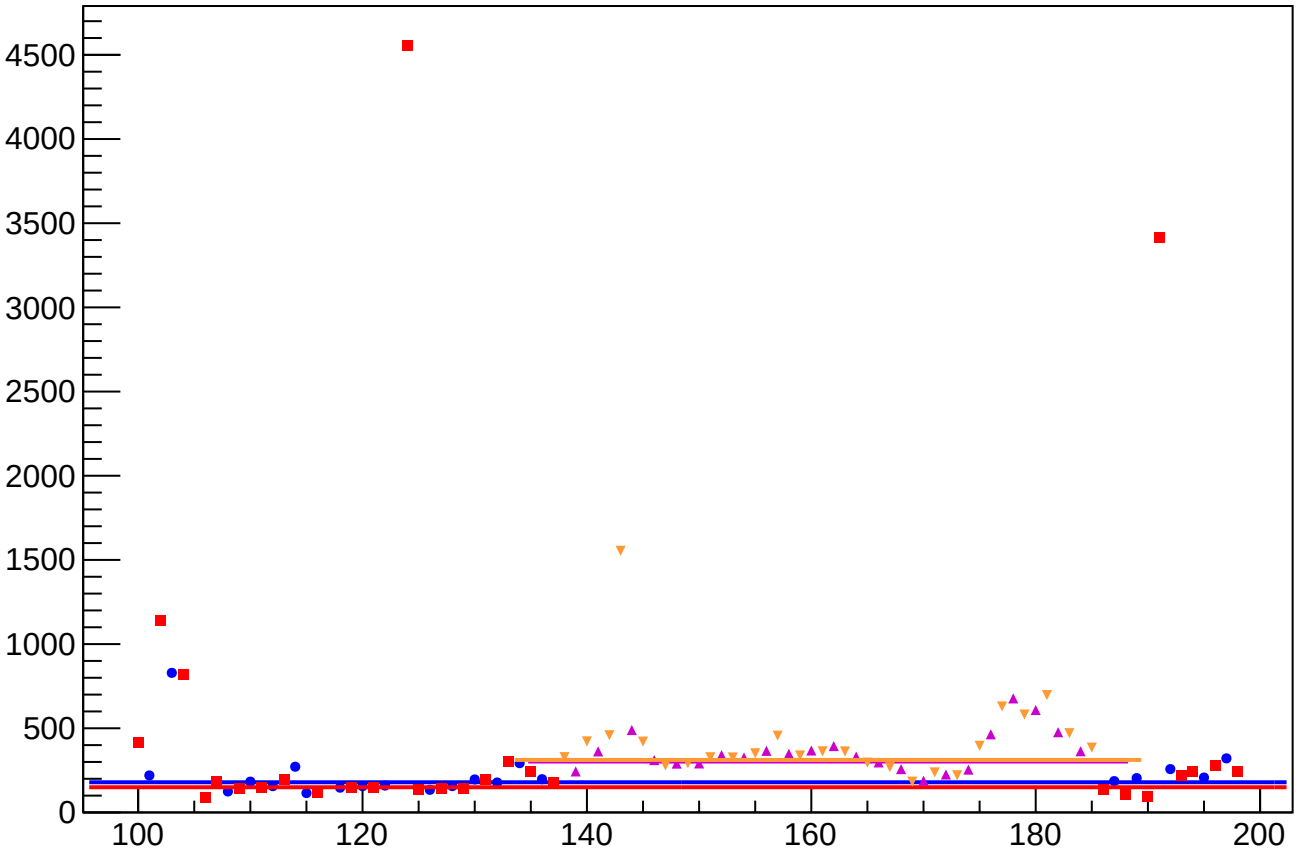
Right Out: 0.011+/-0.048 χ^2/NDF: 37.0/26

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.054+/-0.047 χ^2/NDF: 49.6/45

All: -0.007+/-0.031 χ^2/NDF: 118.7/95

- sign 0.028+/-0.041 χ^2/NDF: 67.4/49



Right In: 179.246+/-0.042 χ^2/NDF: 1851102.1/20

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

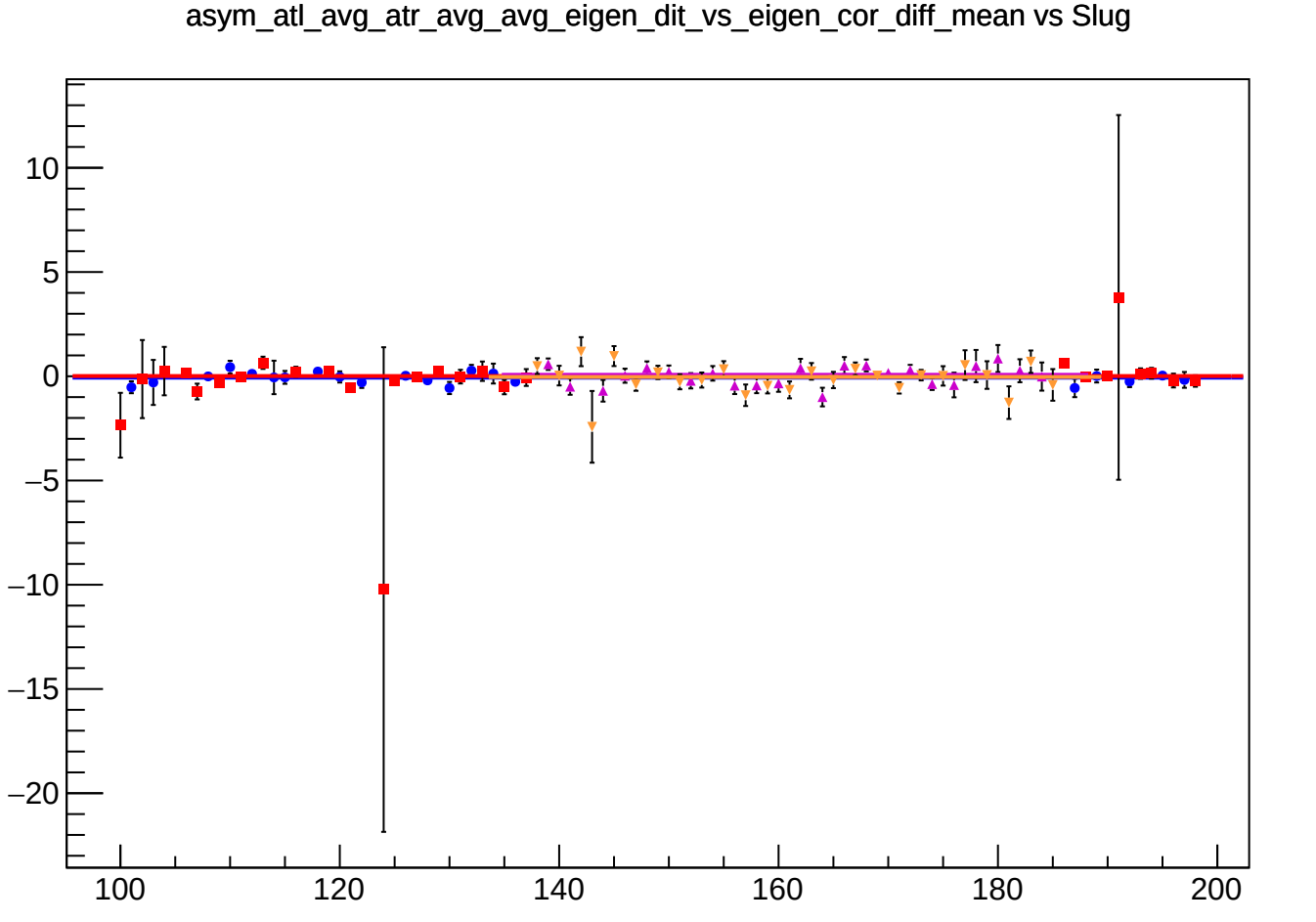
Right Out: 149.694+/-0.034 χ^2/NDF: 4089477.0/26

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 229.432+/-0.033 χ^2/NDF: 9927607.0/45

All: 209.554+/-0.022 χ^2/NDF: 23304912.7/95

- sign 194.753+/-0.029 χ^2/NDF: 12757156.0/49



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

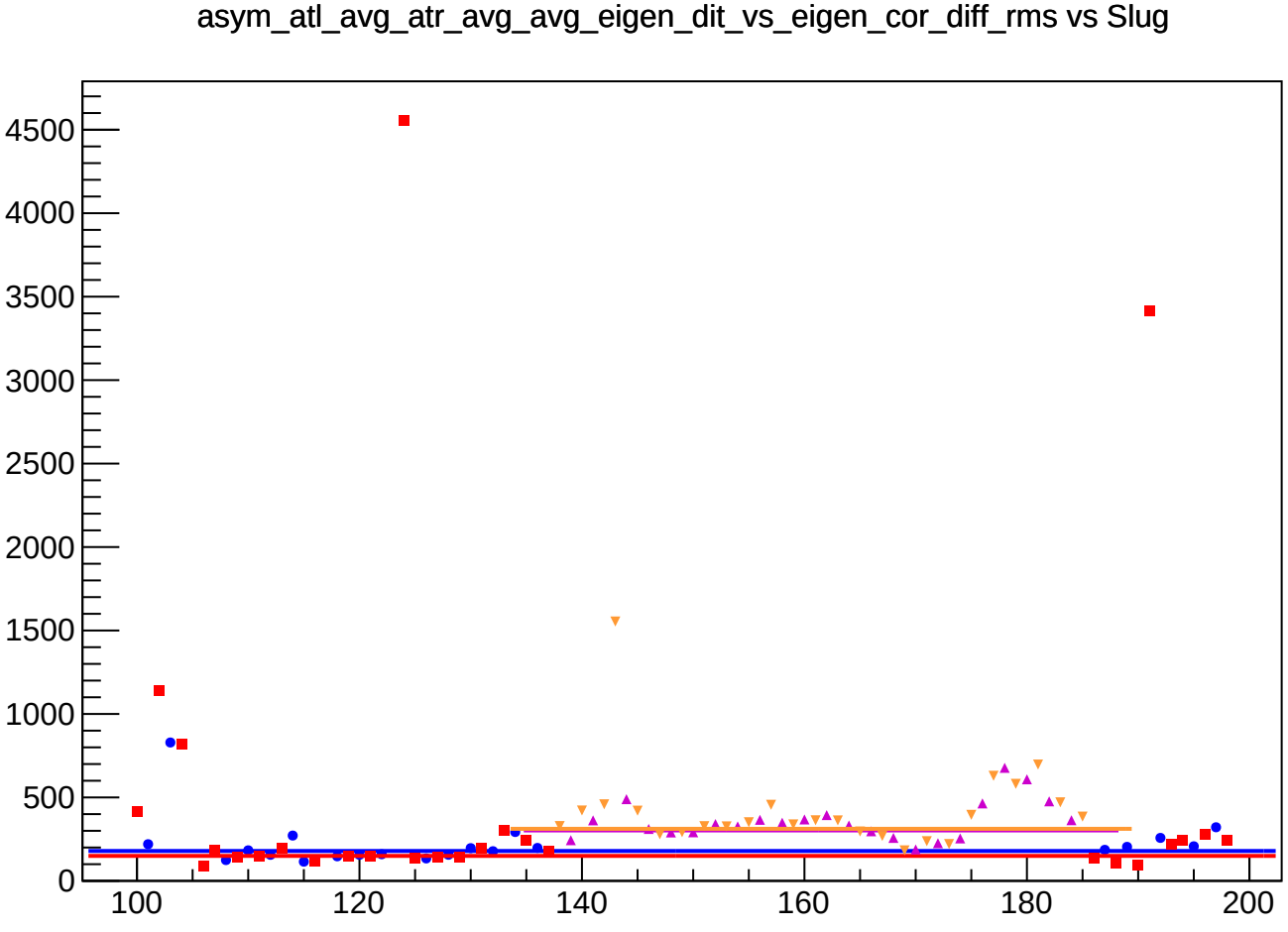
Right Out: 0.011+/-0.048 χ^2/NDF: 37.0/26

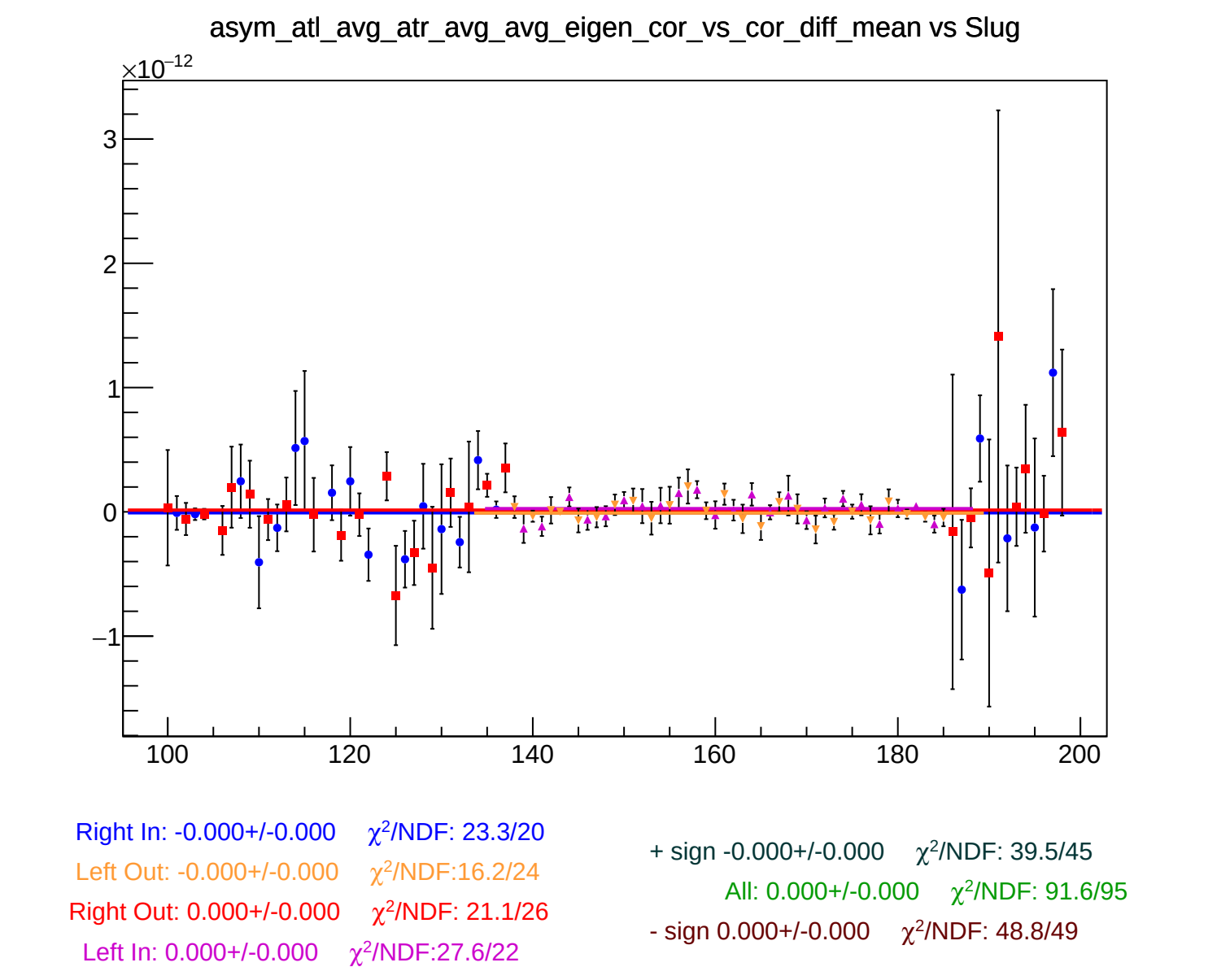
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

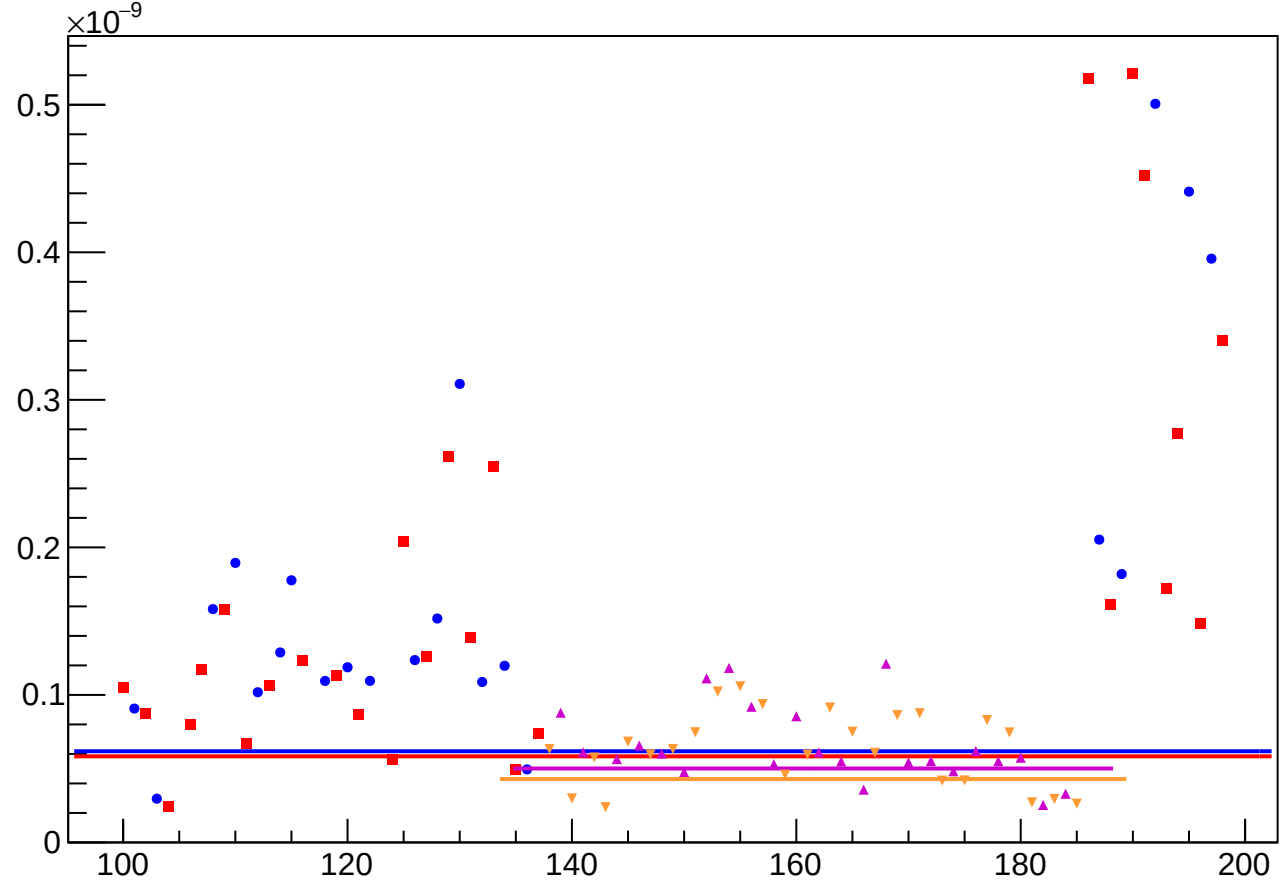
+ sign -0.054+/-0.047 χ^2/NDF: 49.6/45

All: -0.007+/-0.031 χ^2/NDF: 118.7/95

- sign 0.028+/-0.041 χ^2/NDF: 67.4/49


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 179.246+/-0.042 χ²/NDF: 1851102.1/20
Left Out: 311.961+/-0.054 χ²/NDF:4350376.6/24
Right Out: 149.694+/-0.034 χ²/NDF: 4089477.0/26
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 229.432+/-0.033 χ²/NDF: 9927607.0/45
All: 209.554+/-0.022 χ²/NDF: 23304912.7/95
- sign 194.753+/-0.029 χ²/NDF: 12757156.0/49


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.3/20
Left Out: -0.000+/-0.000 χ²/NDF:16.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.1/26
Left In: 0.000+/-0.000 χ²/NDF:27.6/22
+ sign -0.000+/-0.000 χ²/NDF: 39.5/45
All: 0.000+/-0.000 χ²/NDF: 91.6/95
- sign 0.000+/-0.000 χ²/NDF: 48.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 5564312.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5619623.8/26

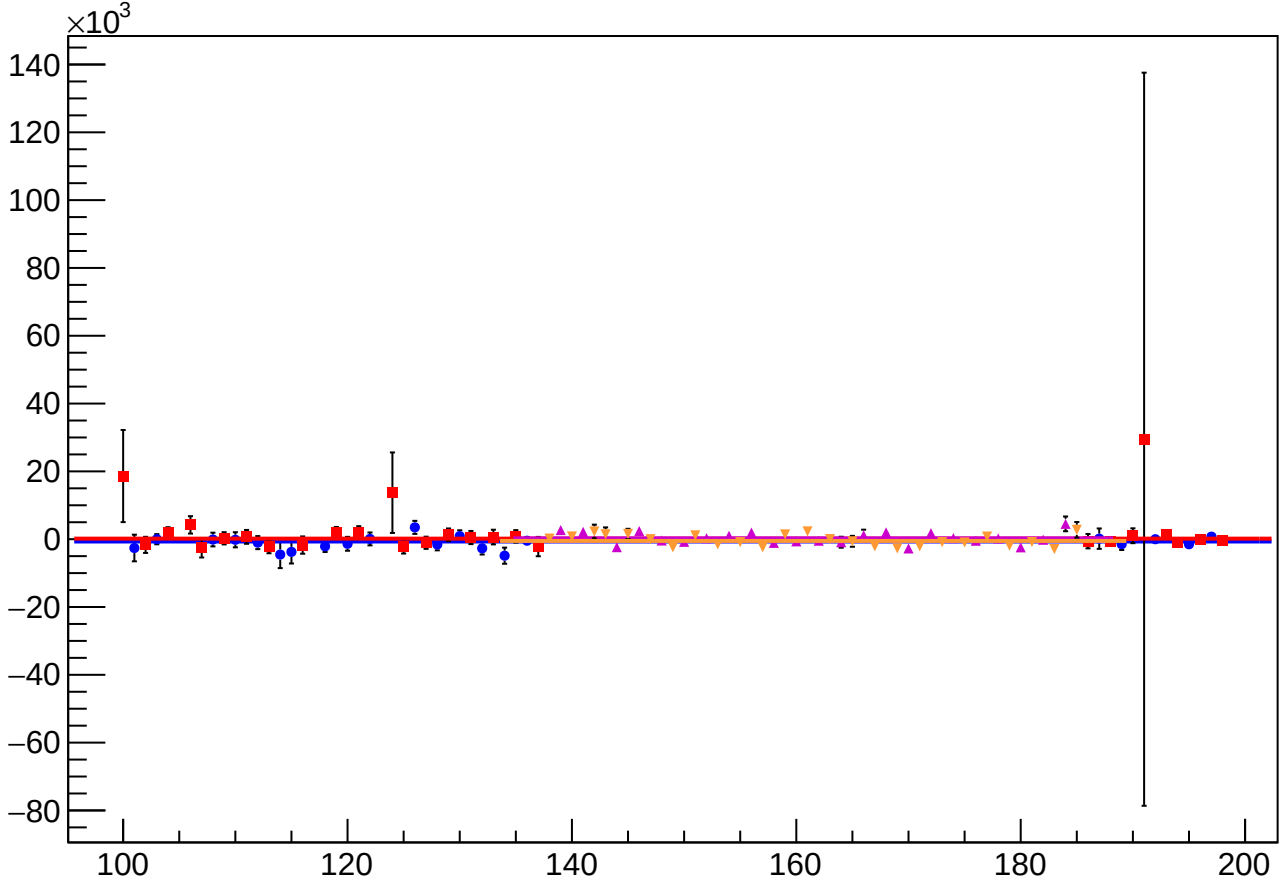
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11210954.3/45

All: 0.000+/-0.000 χ^2/NDF: 20771413.4/95

- sign 0.000+/-0.000 χ^2/NDF: 9345668.4/49

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -677.271+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 161.282+/-371.274 χ^2/NDF: 18.2/26

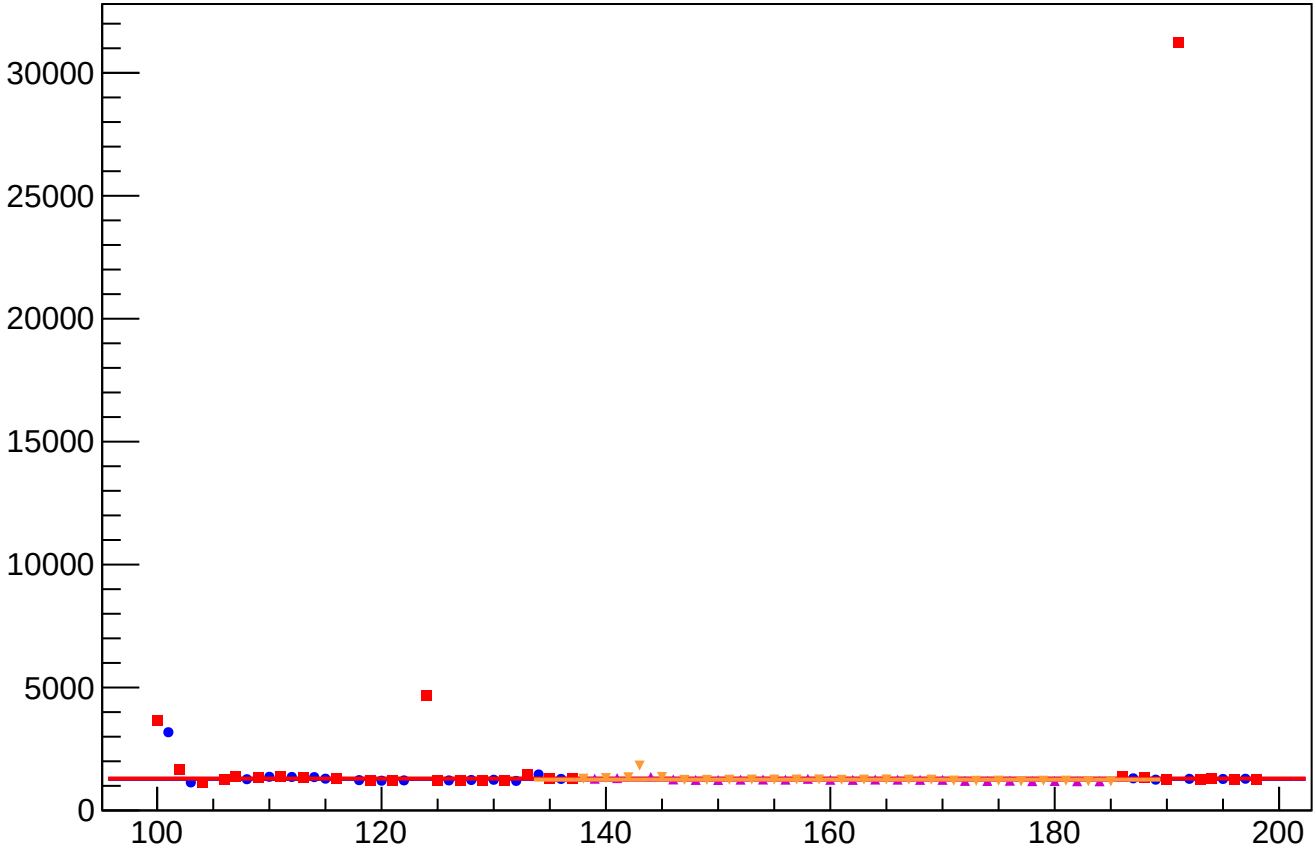
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -569.755+/-232.386 χ^2/NDF: 46.5/45

All: -173.495+/-163.152 χ^2/NDF: 102.4/95

- sign 211.686+/-229.114 χ^2/NDF: 50.2/49

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518993.6/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

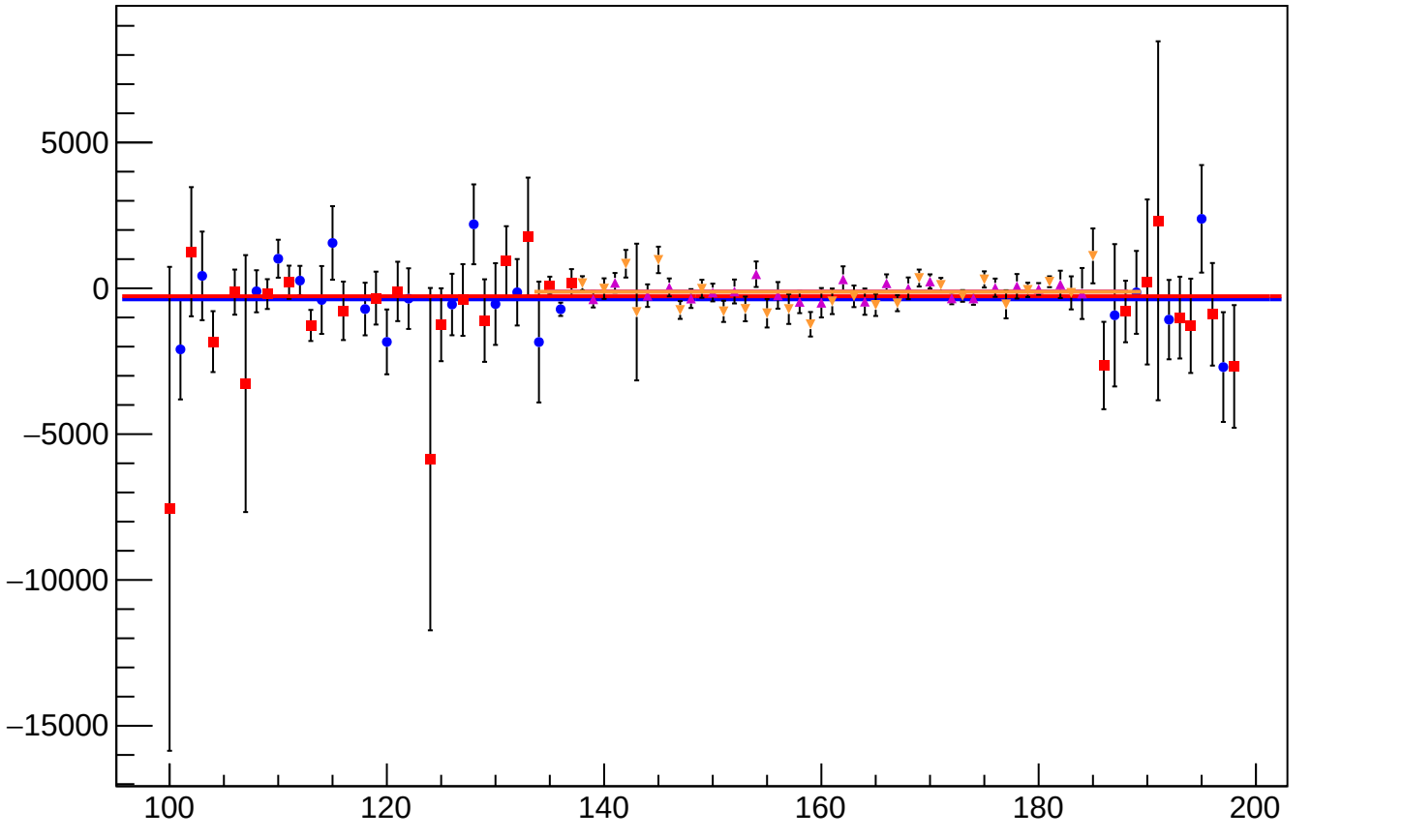
Right Out: 1296.181+/-0.263 χ^2/NDF: 490057.0/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729063.6/45

All: 1265.331+/-0.115 χ^2/NDF: 1281281.8/95

- sign 1265.329+/-0.162 χ^2/NDF: 552218.2/49



Right In: -377.798+/-164.124 χ^2/NDF: 22.3/20

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -272.421+/-162.841 χ^2/NDF: 20.0/26

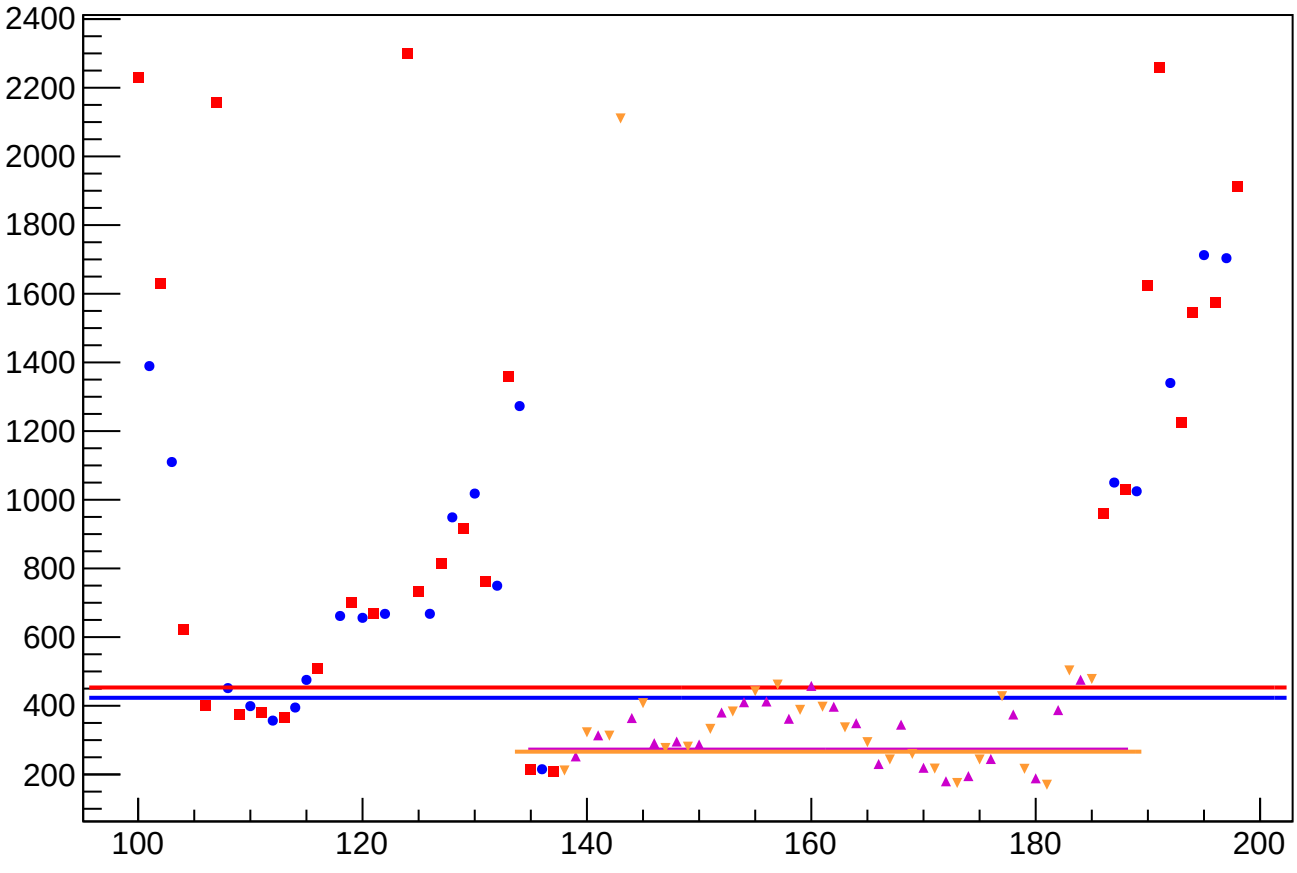
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -152.440+/-60.480 χ^2/NDF: 72.9/45

All: -142.097+/-43.280 χ^2/NDF: 107.5/95

- sign -131.242+/-61.961 χ^2/NDF: 34.6/49

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 423.254+/-0.116 χ^2/NDF: 7643446.1/20

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

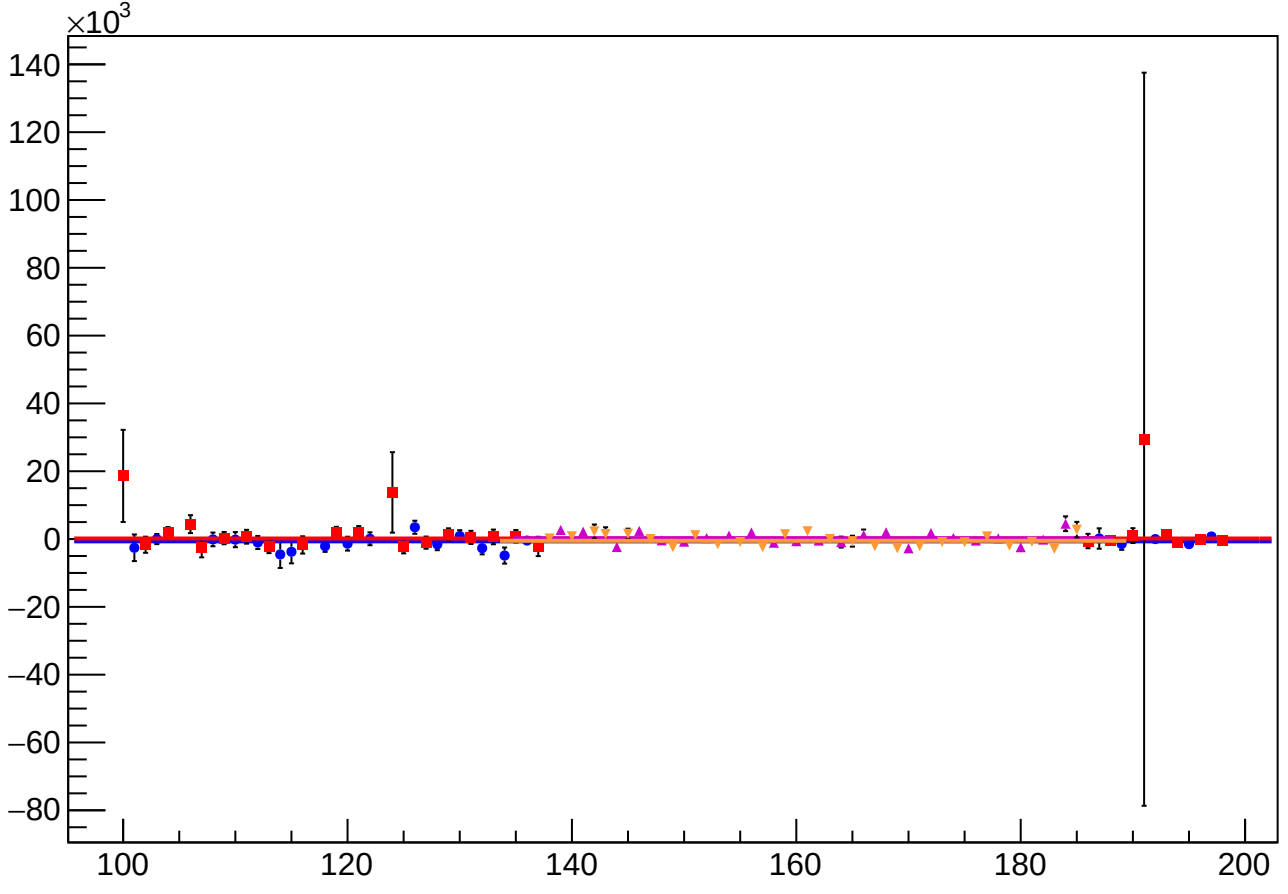
Right Out: 453.268+/-0.115 χ^2/NDF: 9033080.8/26

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 287.632+/-0.043 χ^2/NDF: 13853860.8/45

All: 292.963+/-0.031 χ^2/NDF: 27917470.2/95

- sign 298.559+/-0.044 χ^2/NDF: 14031756.9/49



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 159.506+/-371.507 χ^2/NDF: 18.2/26

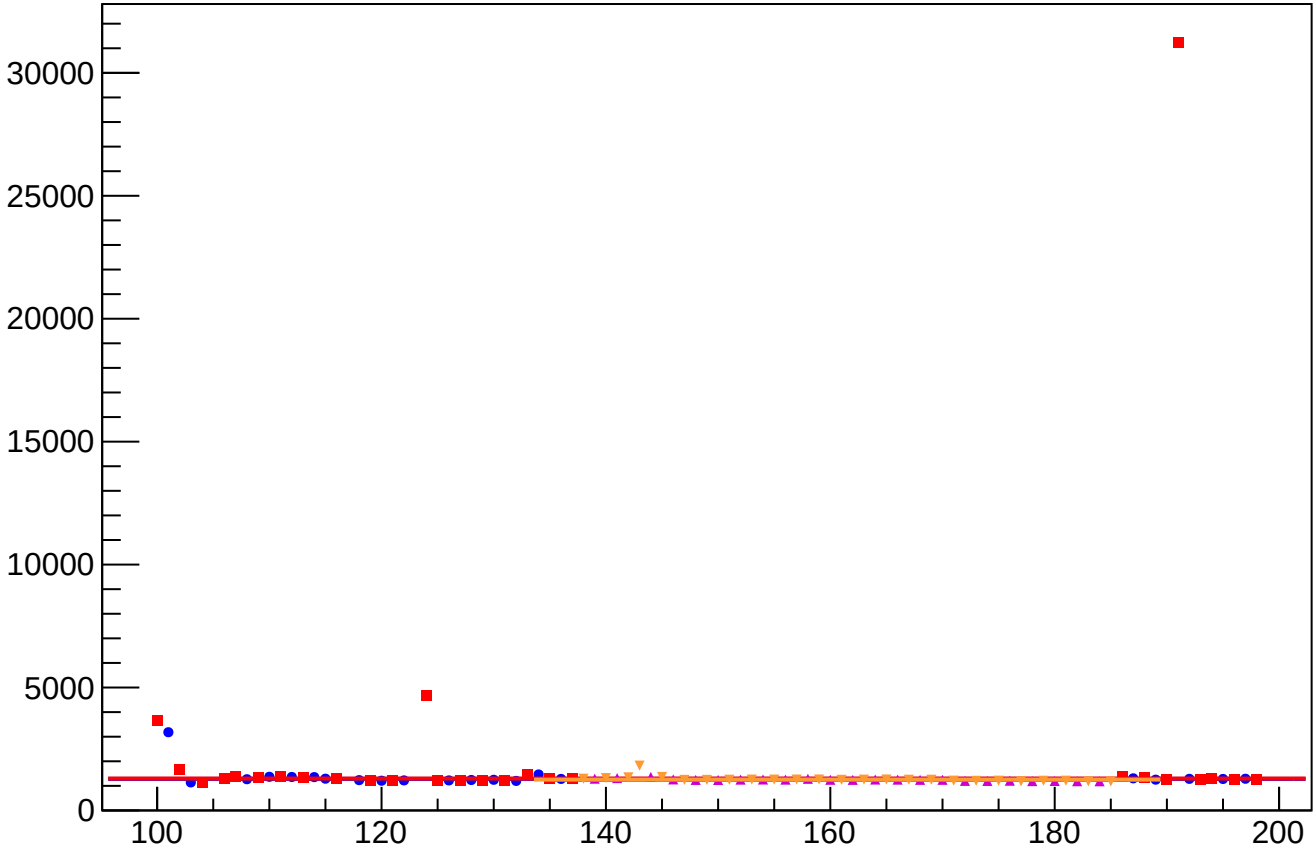
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -569.642+/-232.386 χ^2/NDF: 46.5/45

All: -173.870+/-163.172 χ^2/NDF: 102.5/95

- sign 211.020+/-229.169 χ^2/NDF: 50.3/49

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

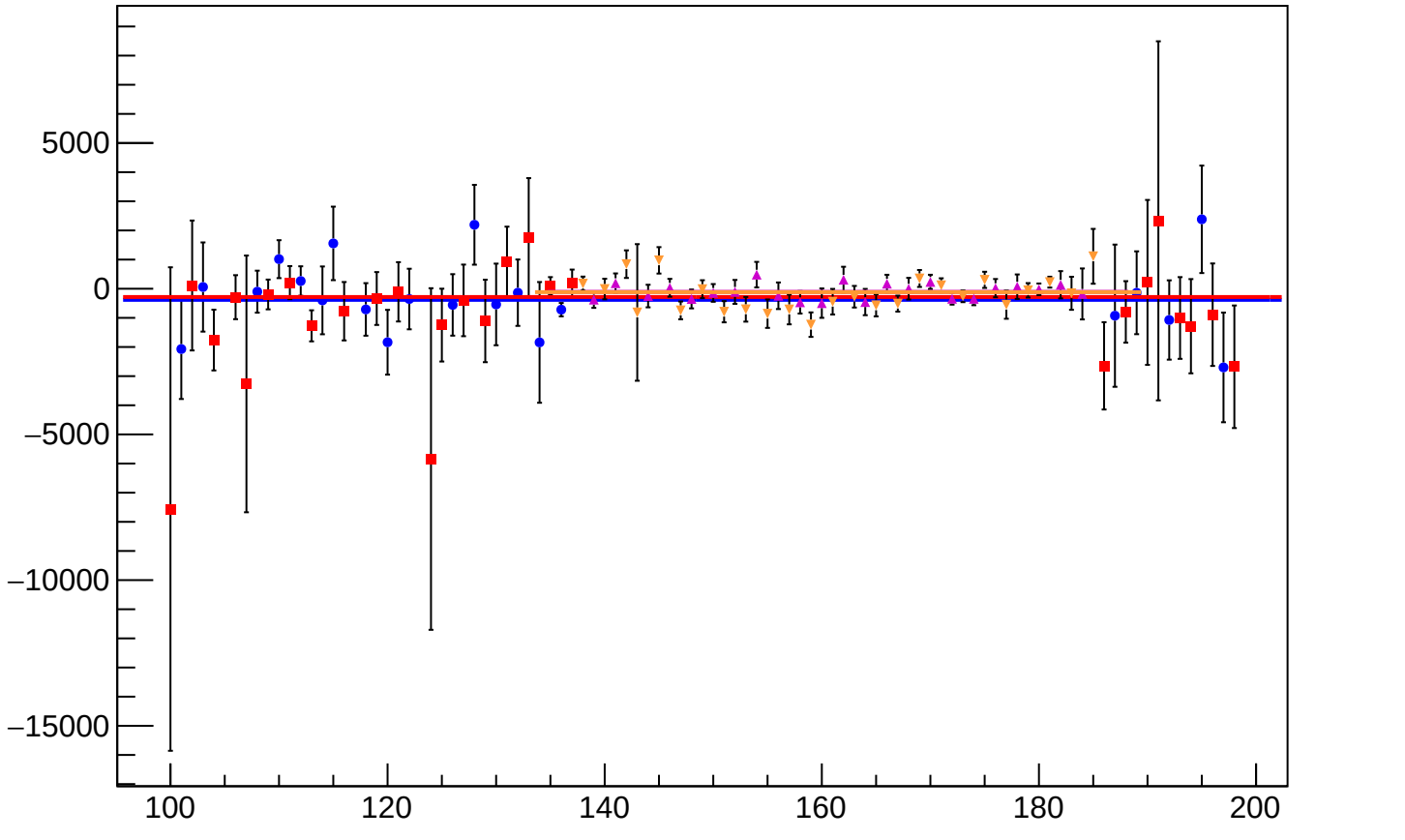
Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729065.0/45

All: 1265.487+/-0.115 χ^2/NDF: 1281705.0/95

- sign 1265.637+/-0.162 χ^2/NDF: 552638.3/49



Right In: -382.034+/-164.142 χ^2/NDF: 22.0/20

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

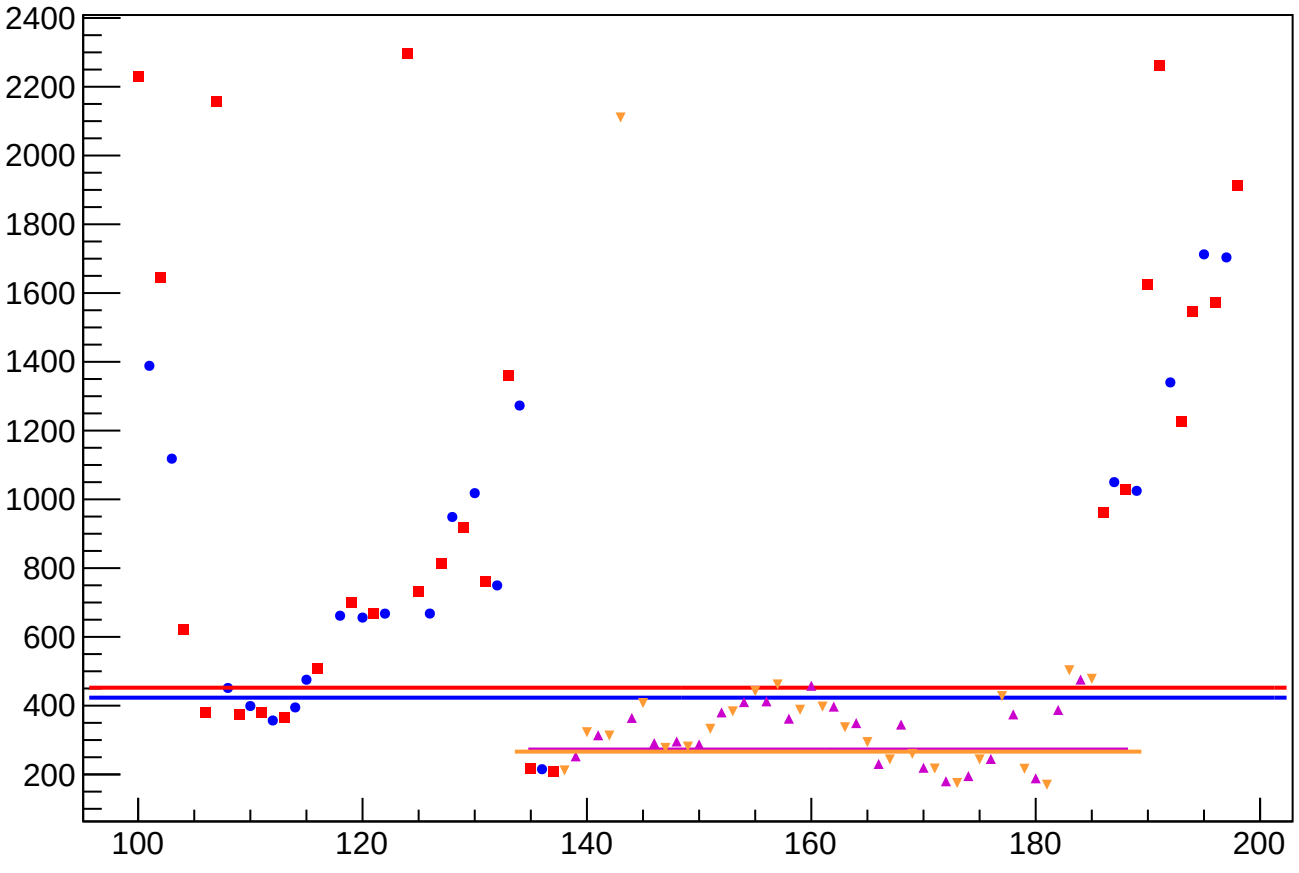
Right Out: -284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.987+/-60.482 χ^2/NDF: 72.7/45

All: -143.296+/-43.278 χ^2/NDF: 106.8/95

- sign -133.128+/-61.953 χ^2/NDF: 34.0/49



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

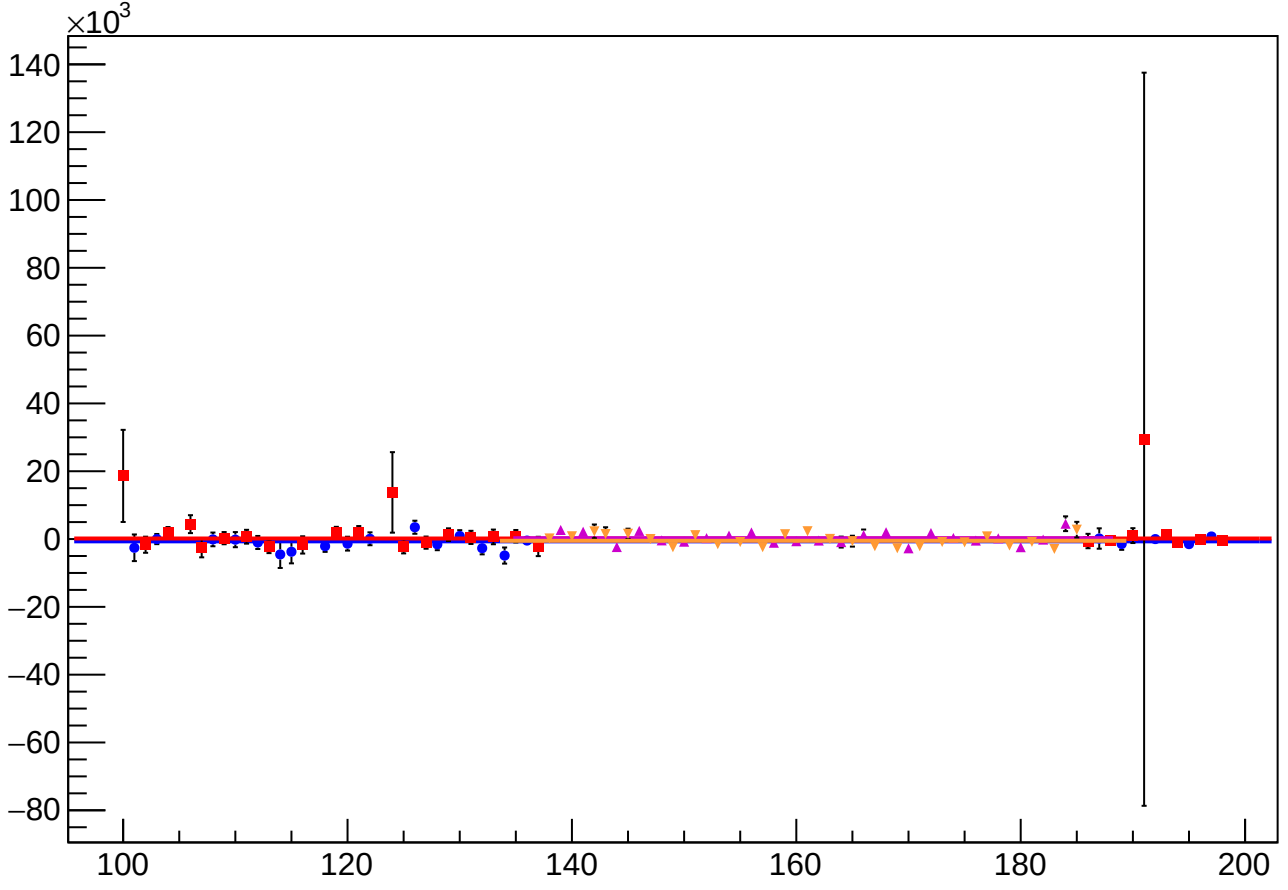
Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 287.634+/-0.043 χ^2/NDF: 13856682.1/45

All: 292.921+/-0.031 χ^2/NDF: 27915041.8/95

- sign 298.469+/-0.044 χ^2/NDF: 14027034.8/49



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 159.506+/-371.507 χ^2/NDF: 18.2/26

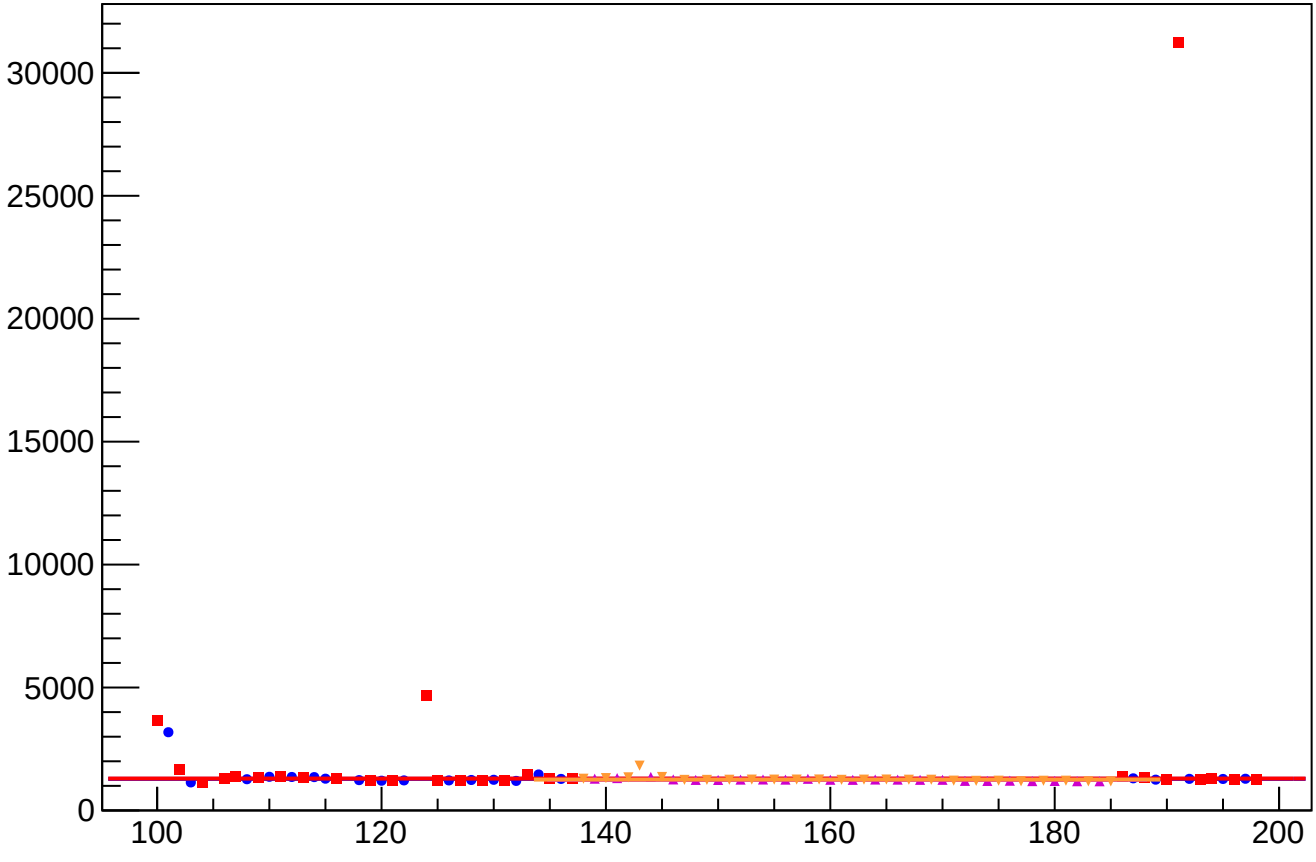
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -569.642+/-232.386 χ^2/NDF: 46.5/45

All: -173.870+/-163.172 χ^2/NDF: 102.5/95

- sign 211.020+/-229.169 χ^2/NDF: 50.3/49

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

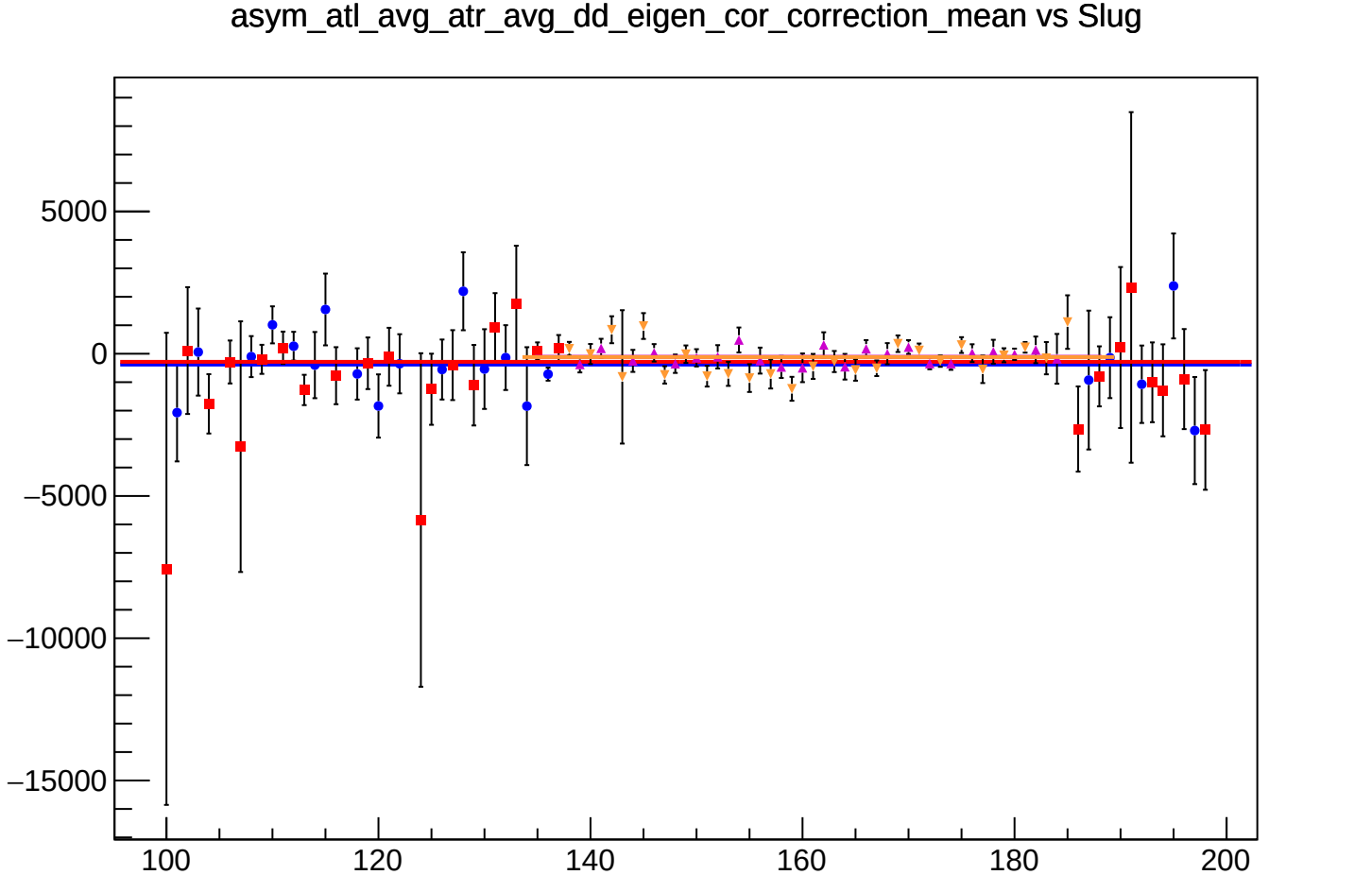
Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729065.0/45

All: 1265.487+/-0.115 χ^2/NDF: 1281705.0/95

- sign 1265.637+/-0.162 χ^2/NDF: 552638.3/49



Right In: -382.034+/-164.142 χ^2/NDF: 22.0/20

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

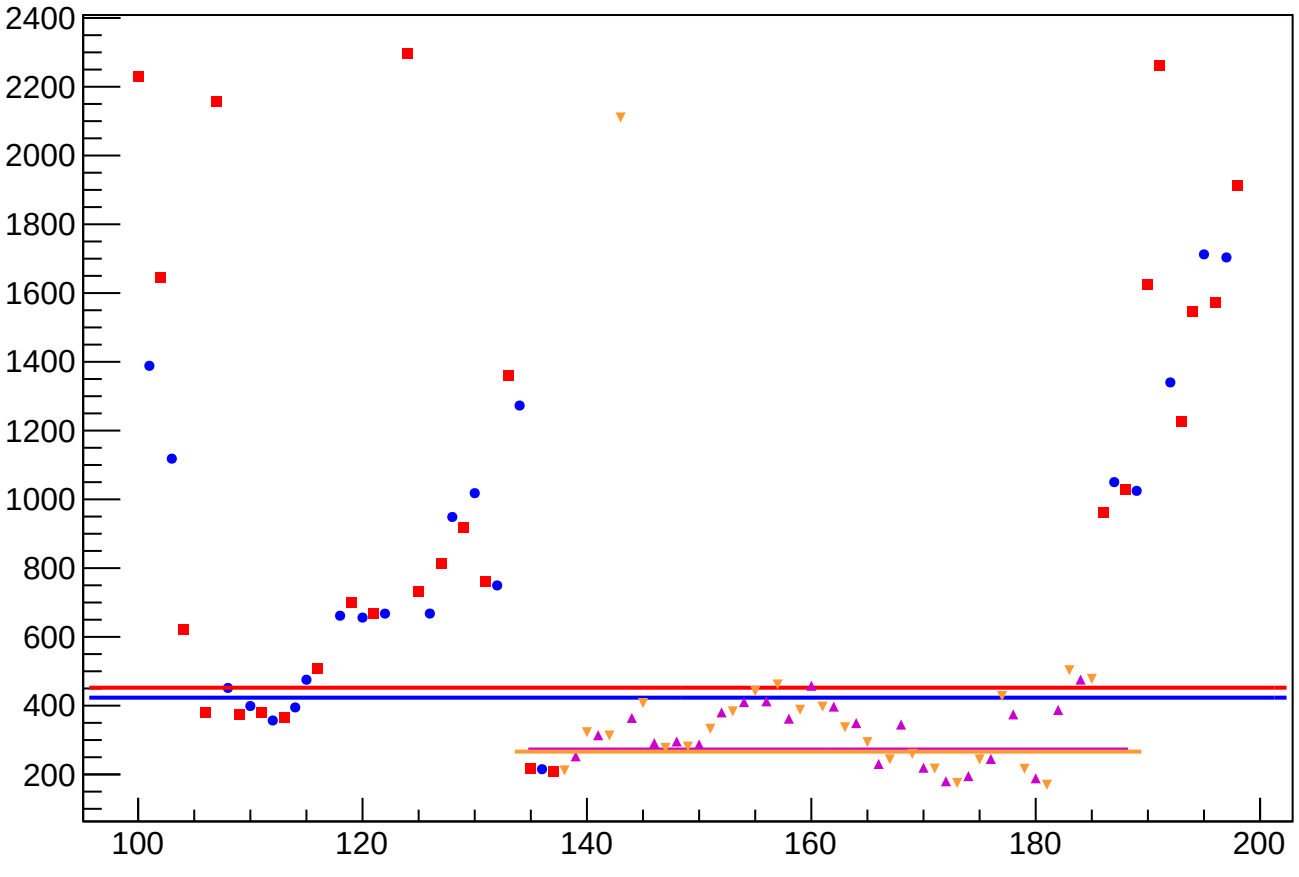
Right Out: -284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.987+/-60.482 χ^2/NDF: 72.7/45

All: -143.296+/-43.278 χ^2/NDF: 106.8/95

- sign -133.128+/-61.953 χ^2/NDF: 34.0/49



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

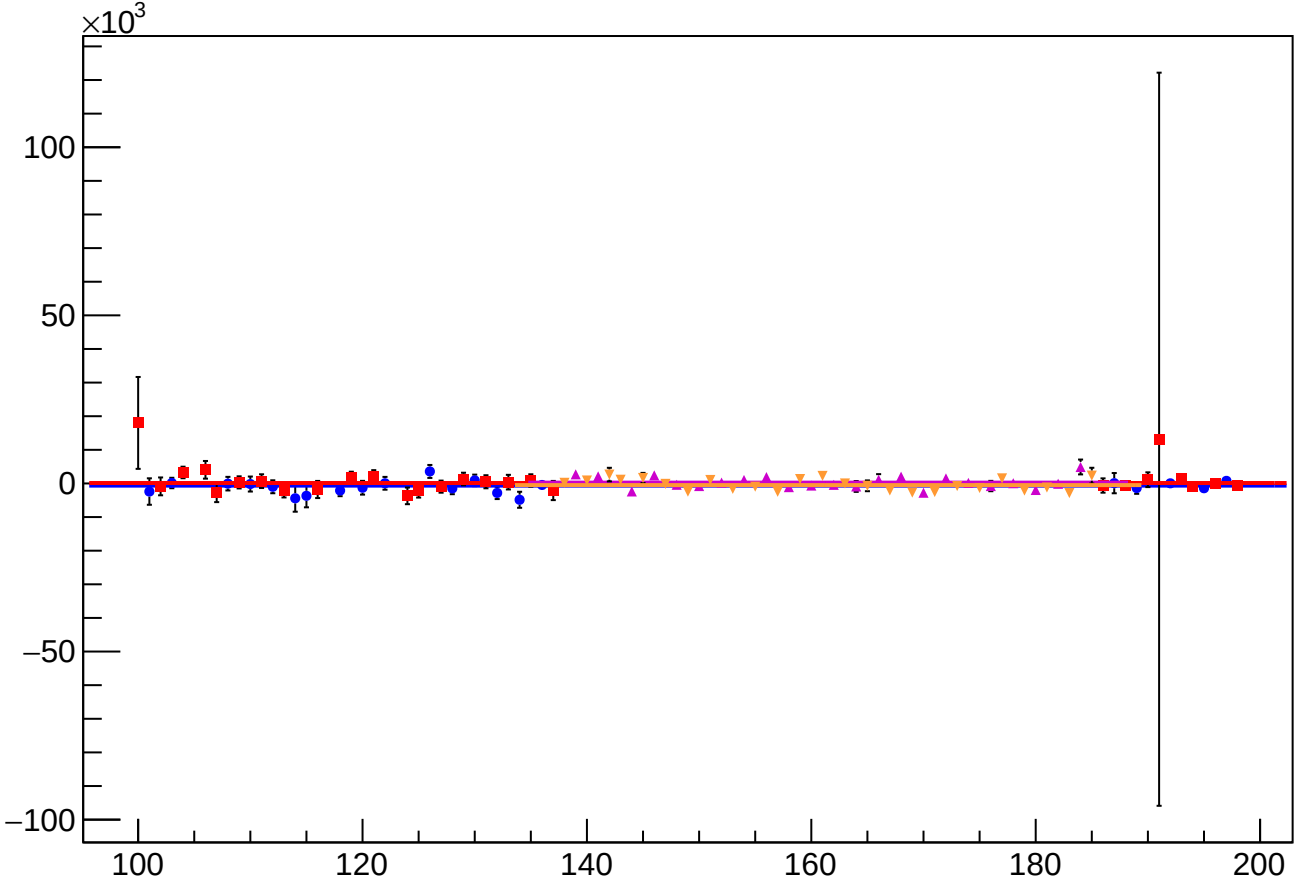
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 287.634+/-0.043 χ^2/NDF: 13856682.1/45

All: 292.921+/-0.031 χ^2/NDF: 27915041.8/95

- sign 298.469+/-0.044 χ^2/NDF: 14027034.8/49

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -643.797+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 130.149+/-370.156 χ^2/NDF: 20.1/26

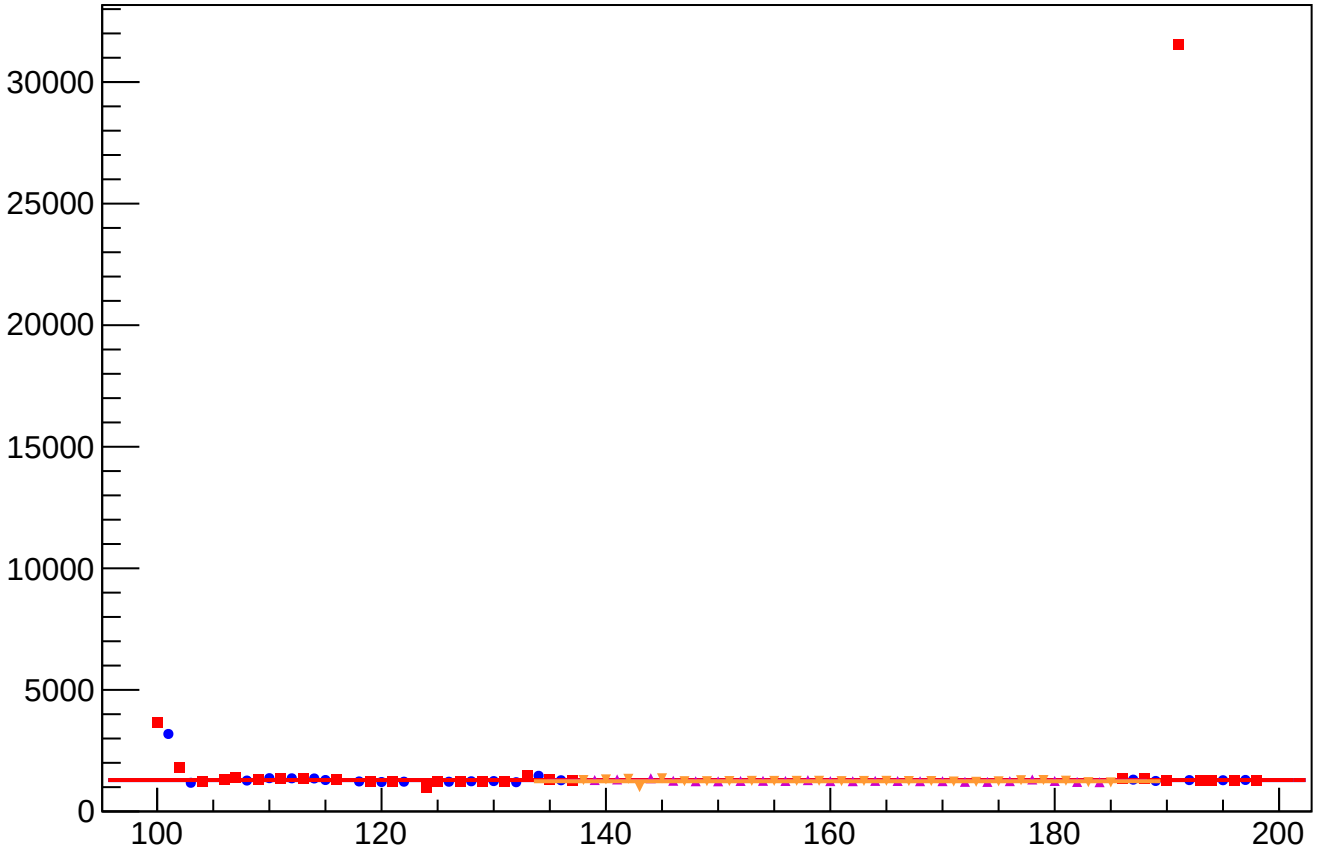
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.466+/-230.955 χ^2/NDF: 49.8/45

All: -171.474+/-163.107 χ^2/NDF: 105.9/95

- sign 198.674+/-230.381 χ^2/NDF: 50.9/49

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

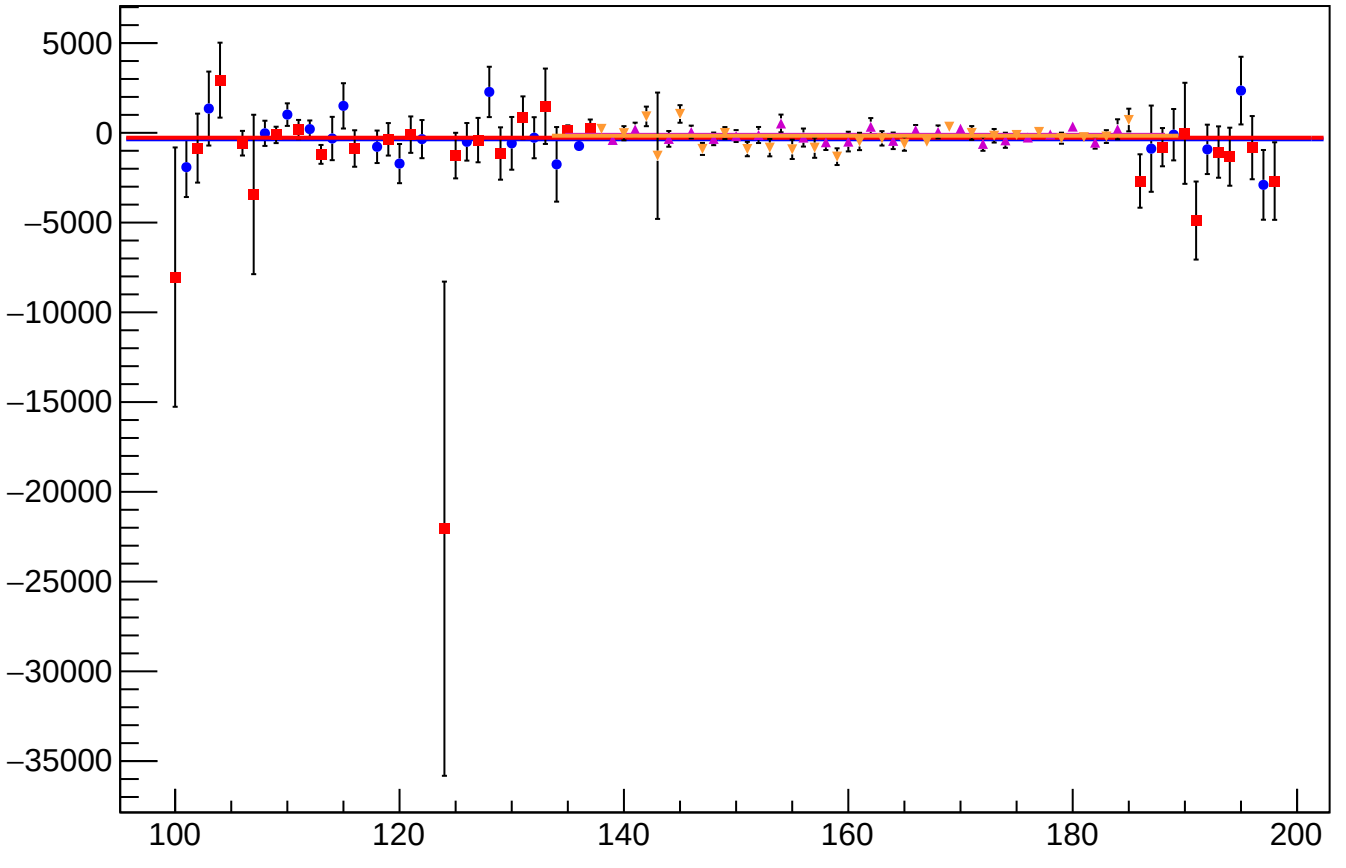
Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.4/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.219+/-0.163 χ^2/NDF: 658938.6/45

All: 1265.468+/-0.115 χ^2/NDF: 1072473.7/95

- sign 1272.680+/-0.163 χ^2/NDF: 409604.6/49



Right In: -360.180+/-165.861 χ^2/NDF: 22.5/20

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: -272.734+/-162.612 χ^2/NDF: 25.8/26

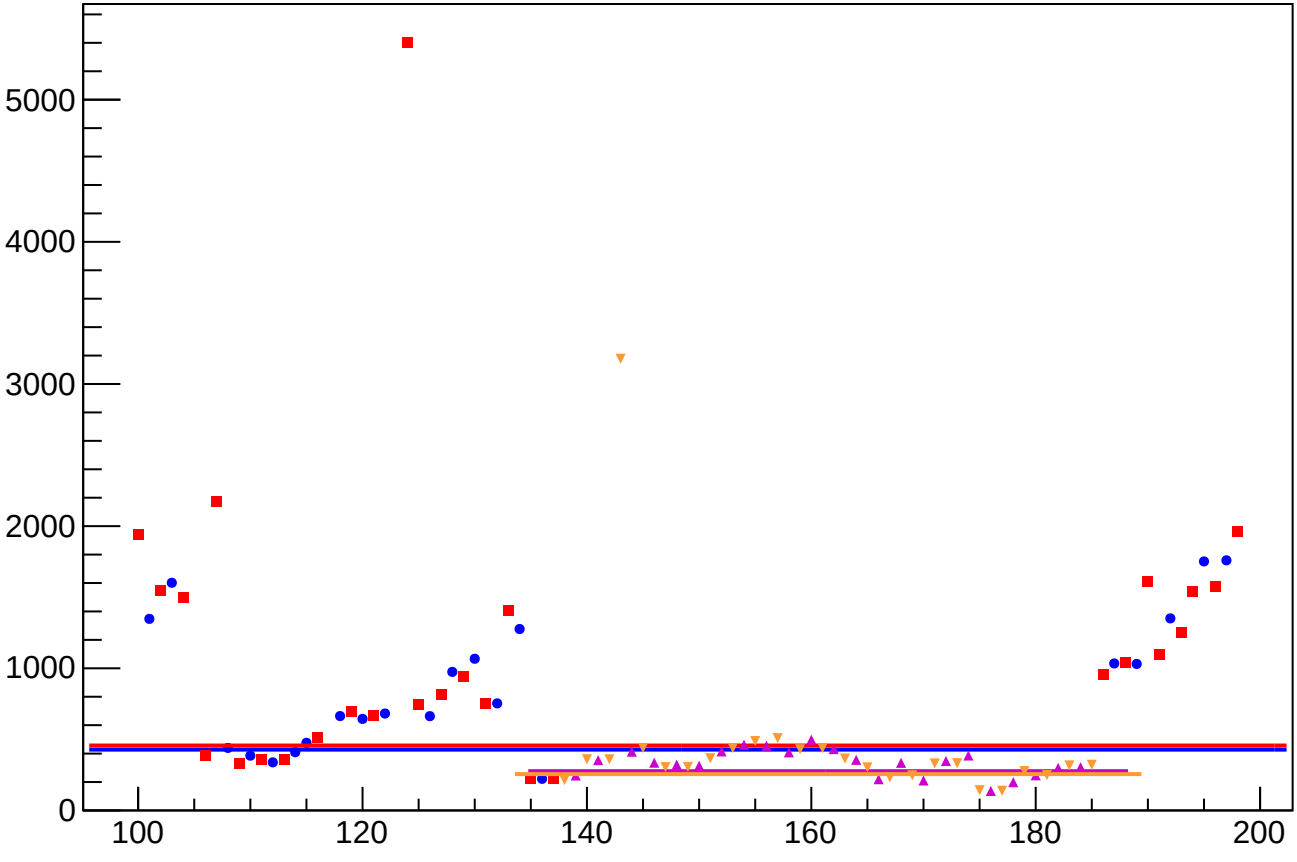
Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.845+/-59.817 χ^2/NDF: 67.5/45

All: -163.787+/-43.506 χ^2/NDF: 112.6/95

- sign -137.888+/-63.394 χ^2/NDF: 44.8/49

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 427.945+/-0.117 χ^2/NDF: 7778236.2/20

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

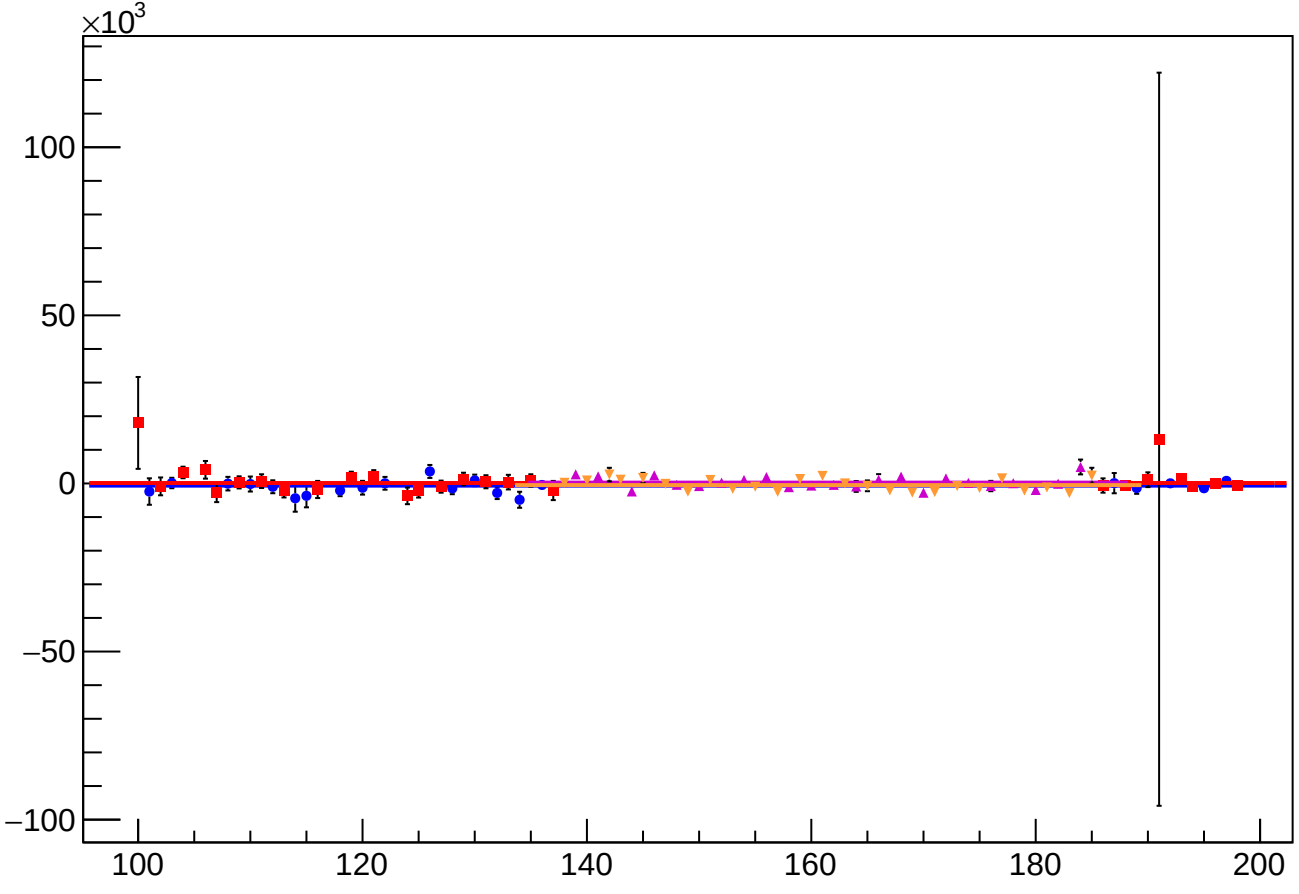
Right Out: 456.865+/-0.115 χ^2/NDF: 9557914.2/26

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 278.162+/-0.042 χ^2/NDF: 16027073.1/45

All: 290.210+/-0.031 χ^2/NDF: 31875888.9/95

- sign 303.741+/-0.045 χ^2/NDF: 15676566.7/49



Right In: -643.798+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 130.148+/-370.155 χ^2/NDF: 20.1/26

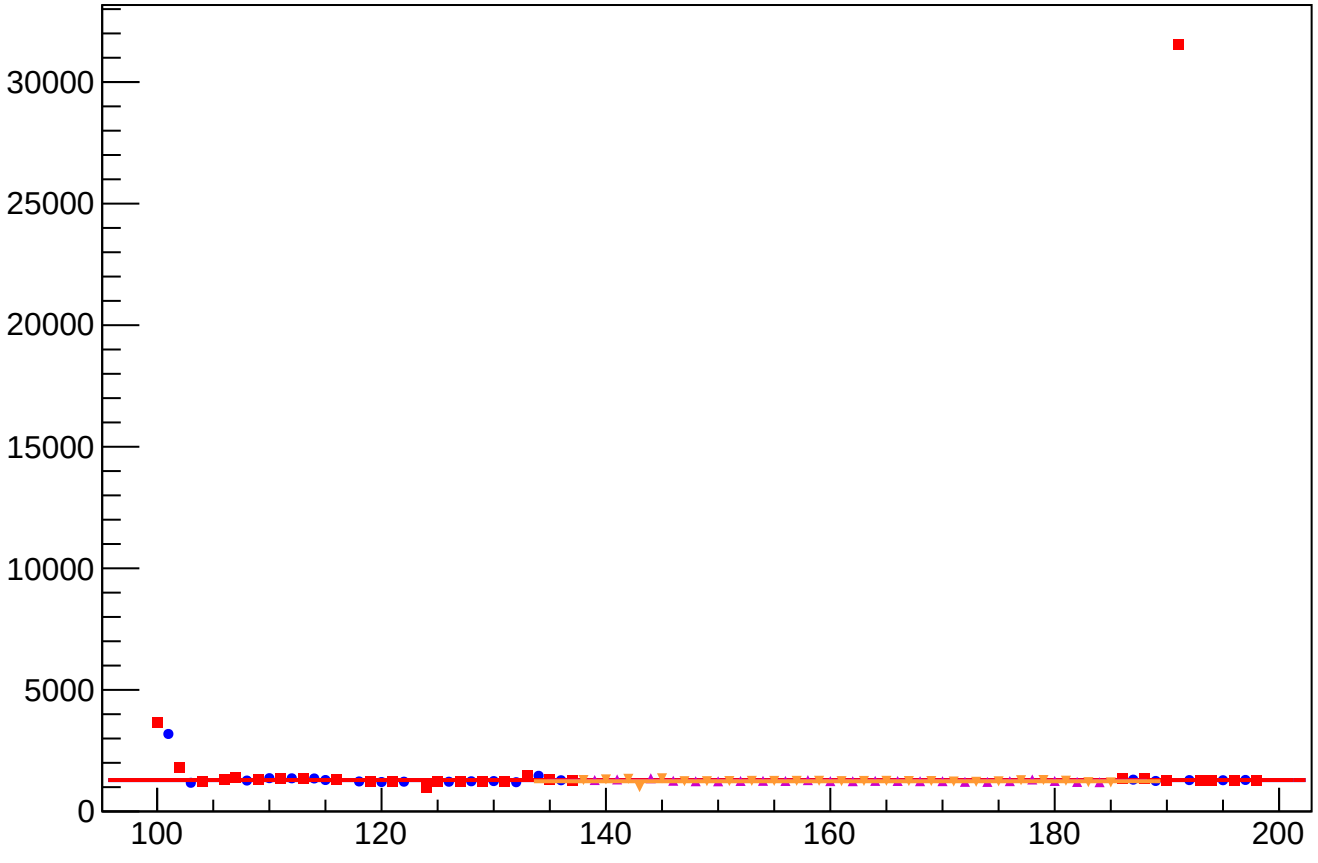
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.466+/-230.955 χ^2/NDF: 49.8/45

All: -171.474+/-163.107 χ^2/NDF: 105.9/95

- sign 198.674+/-230.381 χ^2/NDF: 50.9/49

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

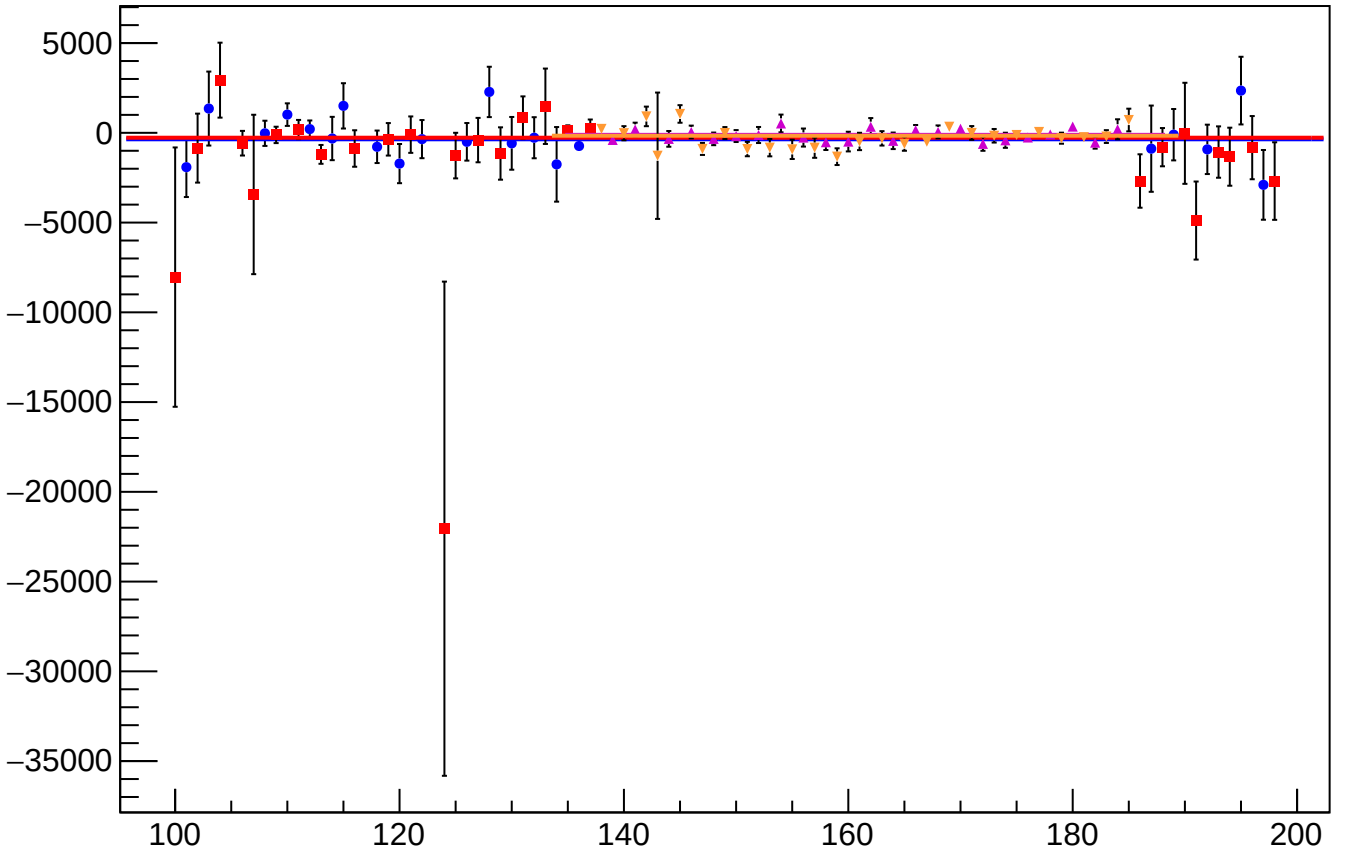
Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.6/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.219+/-0.163 χ^2/NDF: 658937.7/45

All: 1265.468+/-0.115 χ^2/NDF: 1072473.1/95

- sign 1272.680+/-0.163 χ^2/NDF: 409604.9/49



Right In: -360.181+/-165.864 χ^2/NDF: 22.5/20

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

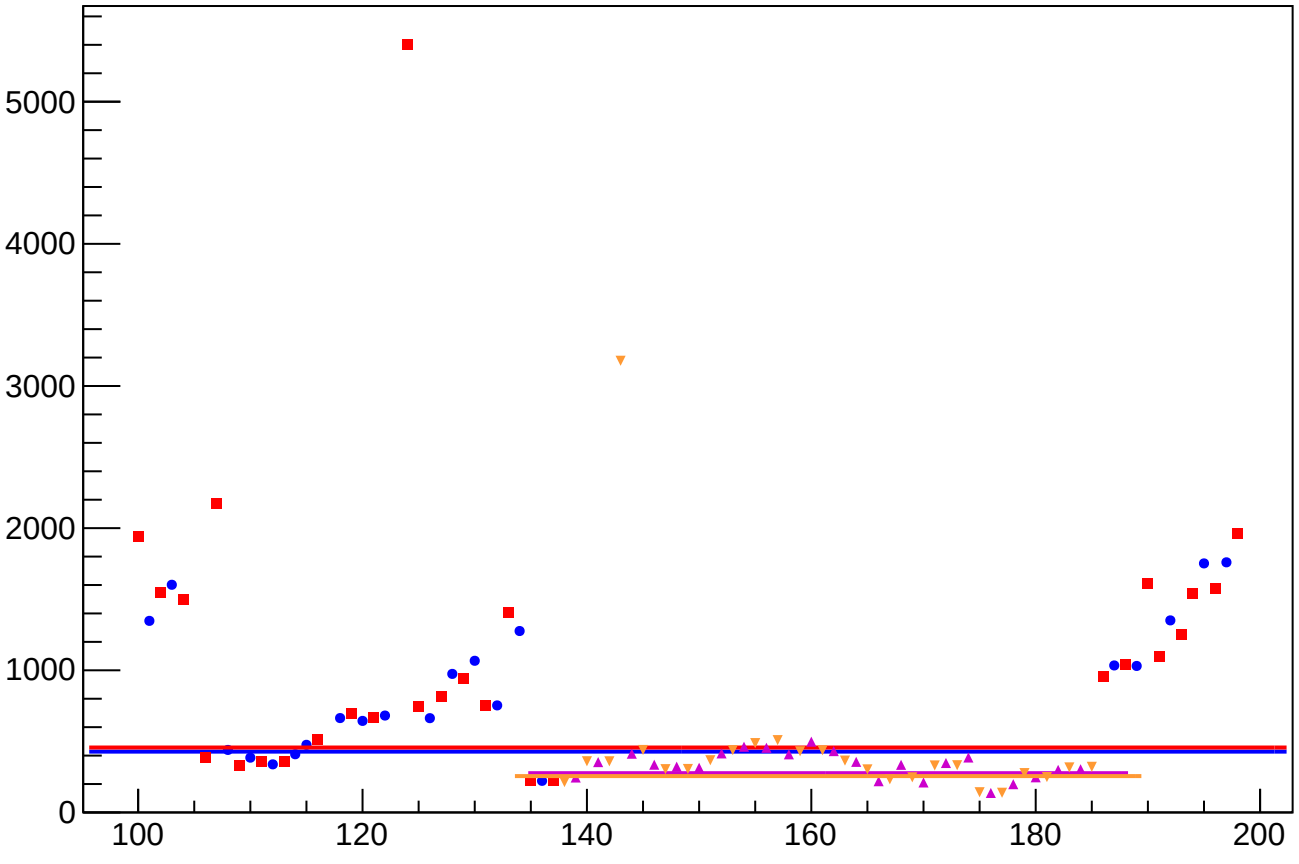
Right Out: -272.742+/-162.614 χ^2/NDF: 25.8/26

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.847+/-59.817 χ^2/NDF: 67.5/45

All: -163.788+/-43.507 χ^2/NDF: 112.6/95

- sign -137.888+/-63.394 χ^2/NDF: 44.8/49



Right In: 427.956+/-0.117 χ^2/NDF: 7777980.4/20

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 456.874+/-0.115 χ^2/NDF: 9557684.8/26

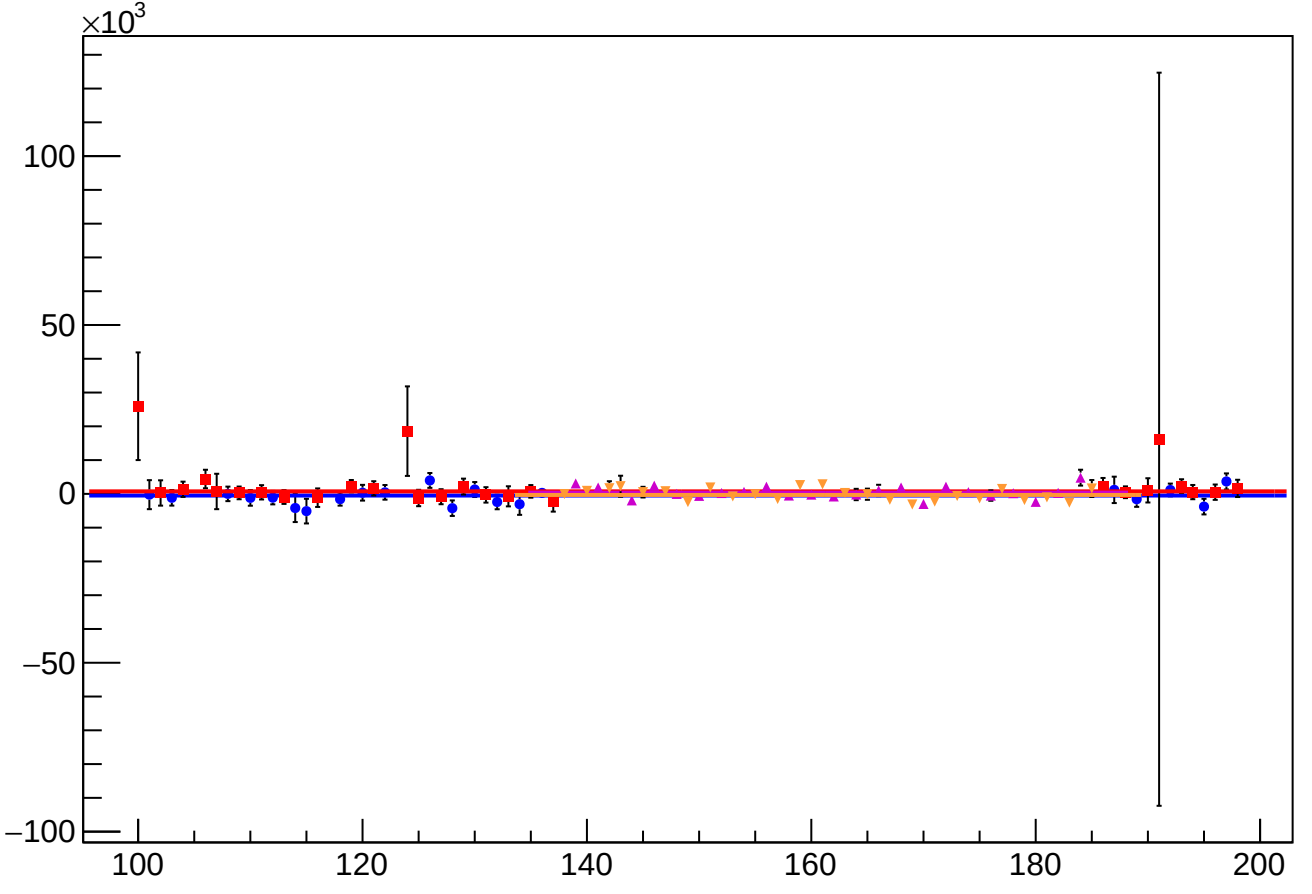
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 278.164+/-0.042 χ^2/NDF: 16026876.4/45

All: 290.211+/-0.031 χ^2/NDF: 31875564.3/95

- sign 303.742+/-0.045 χ^2/NDF: 15676451.3/49

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -488.681+/-497.145 χ^2/NDF: 18.8/20

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 745.033+/-472.332 χ^2/NDF: 12.5/26

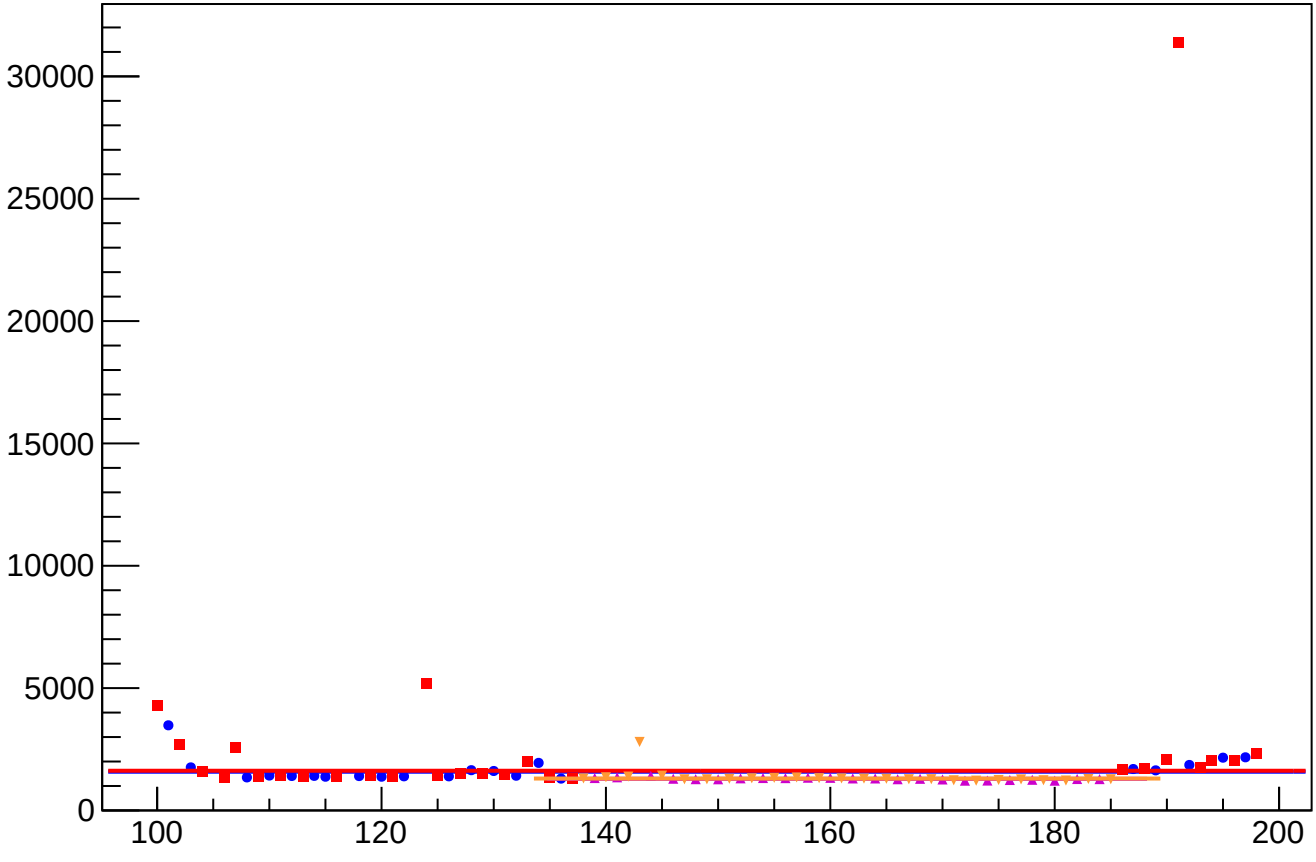
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -364.459+/-255.769 χ^2/NDF: 50.5/45

All: 54.597+/-180.362 χ^2/NDF: 98.4/95

- sign 469.112+/-254.379 χ^2/NDF: 42.6/49

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1583.181+/-0.352 χ^2/NDF: 935911.7/20

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

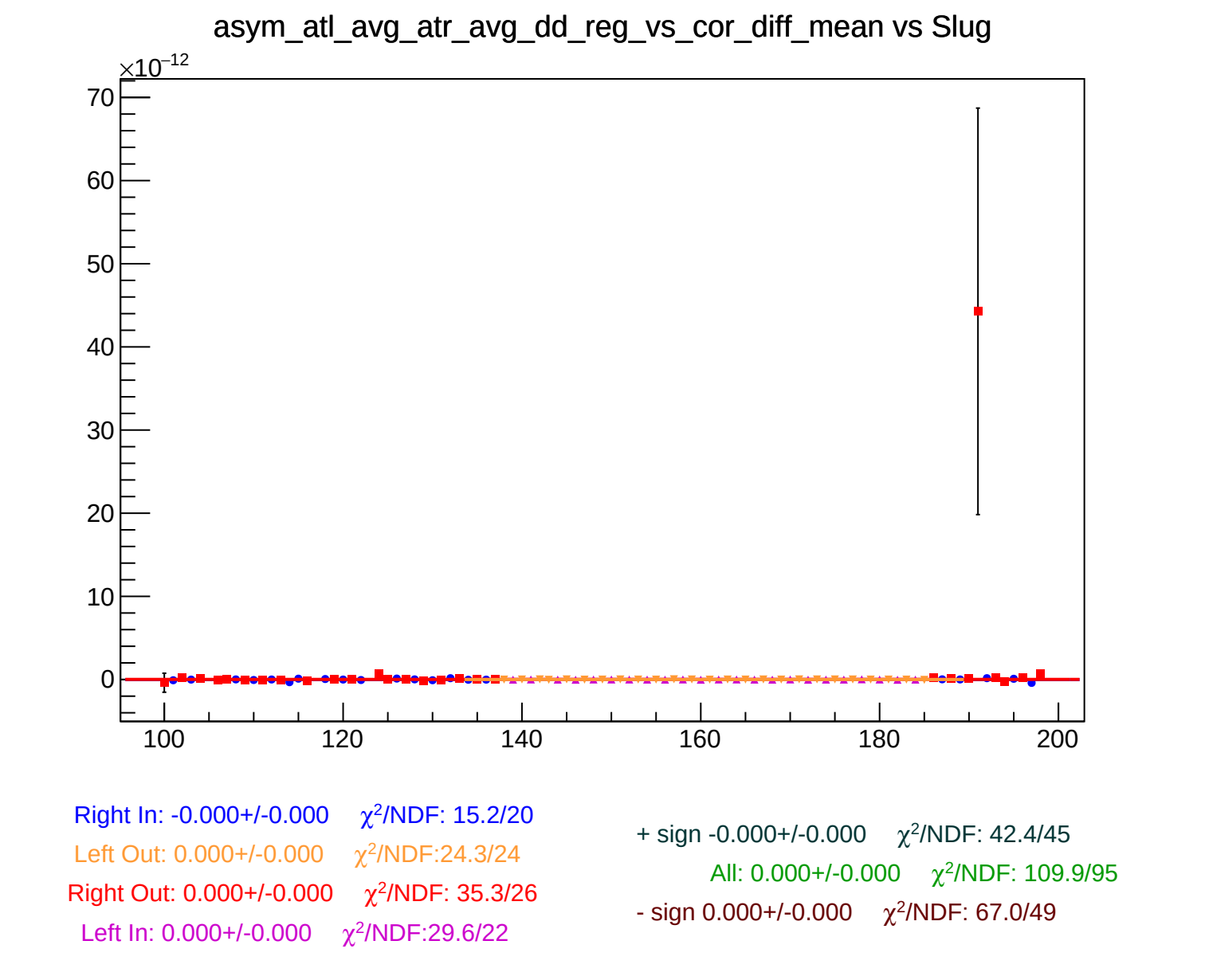
Right Out: 1622.668+/-0.334 χ^2/NDF: 1222335.6/26

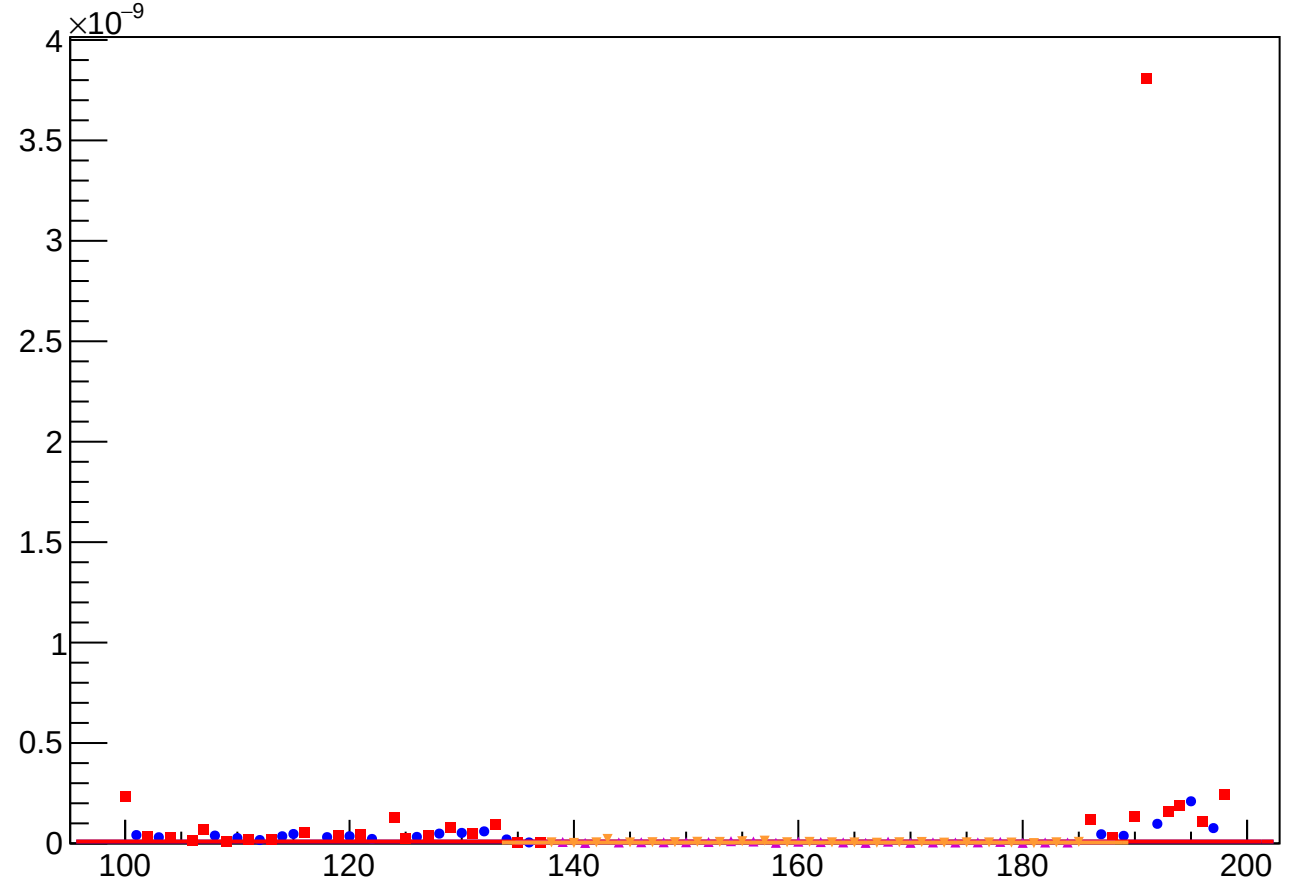
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1378.010+/-0.181 χ^2/NDF: 1918781.5/45

All: 1383.031+/-0.128 χ^2/NDF: 3886381.0/95

- sign 1387.997+/-0.180 χ^2/NDF: 1966066.6/49


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: 15.2/20
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.3/26
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 42.4/45
All: 0.000+/-0.000 χ²/NDF: 109.9/95
- sign 0.000+/-0.000 χ²/NDF: 67.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 4820521.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

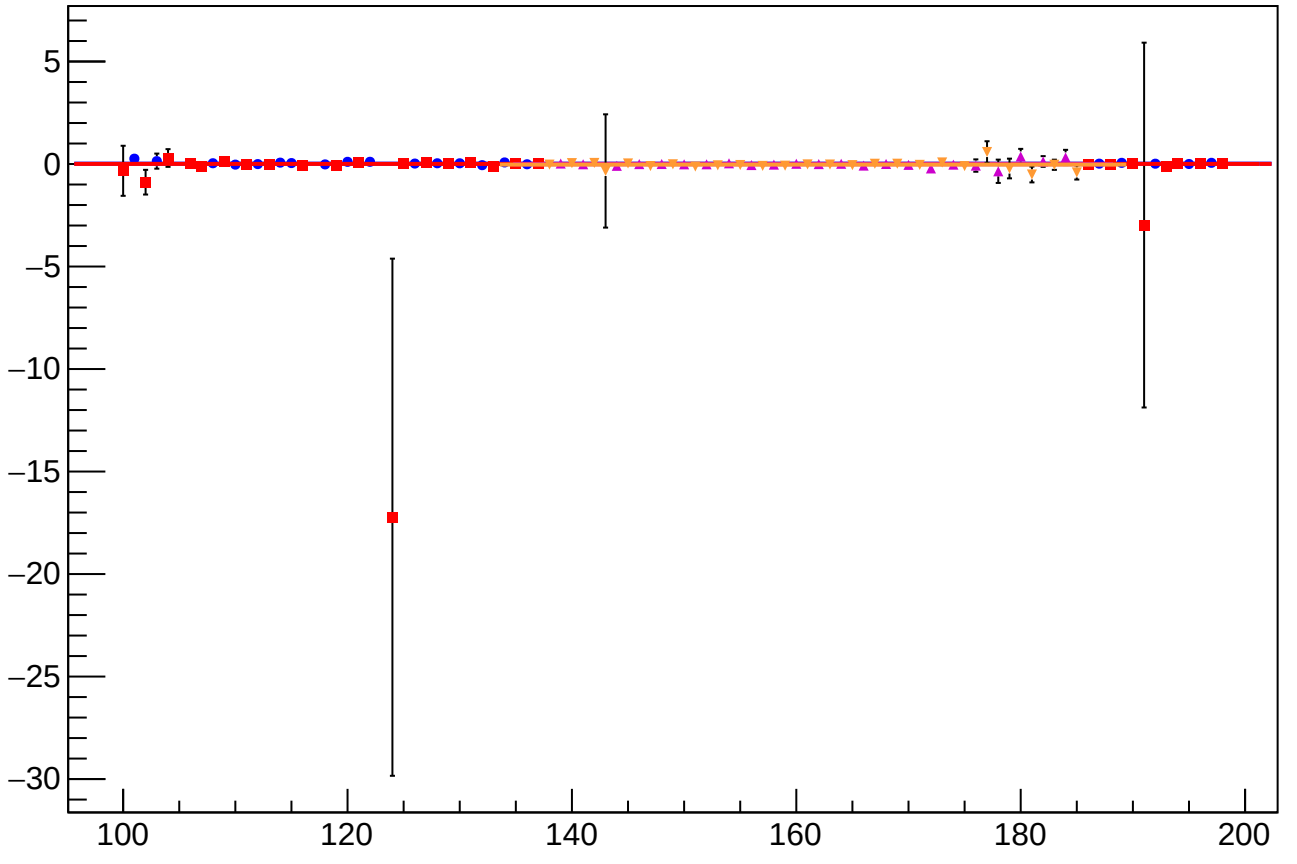
Right Out: 0.000+/-0.000 χ^2/NDF: 6969984.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8227429.9/45

All: 0.000+/-0.000 χ^2/NDF: 17799474.6/95

- sign 0.000+/-0.000 χ^2/NDF: 9546979.8/49



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

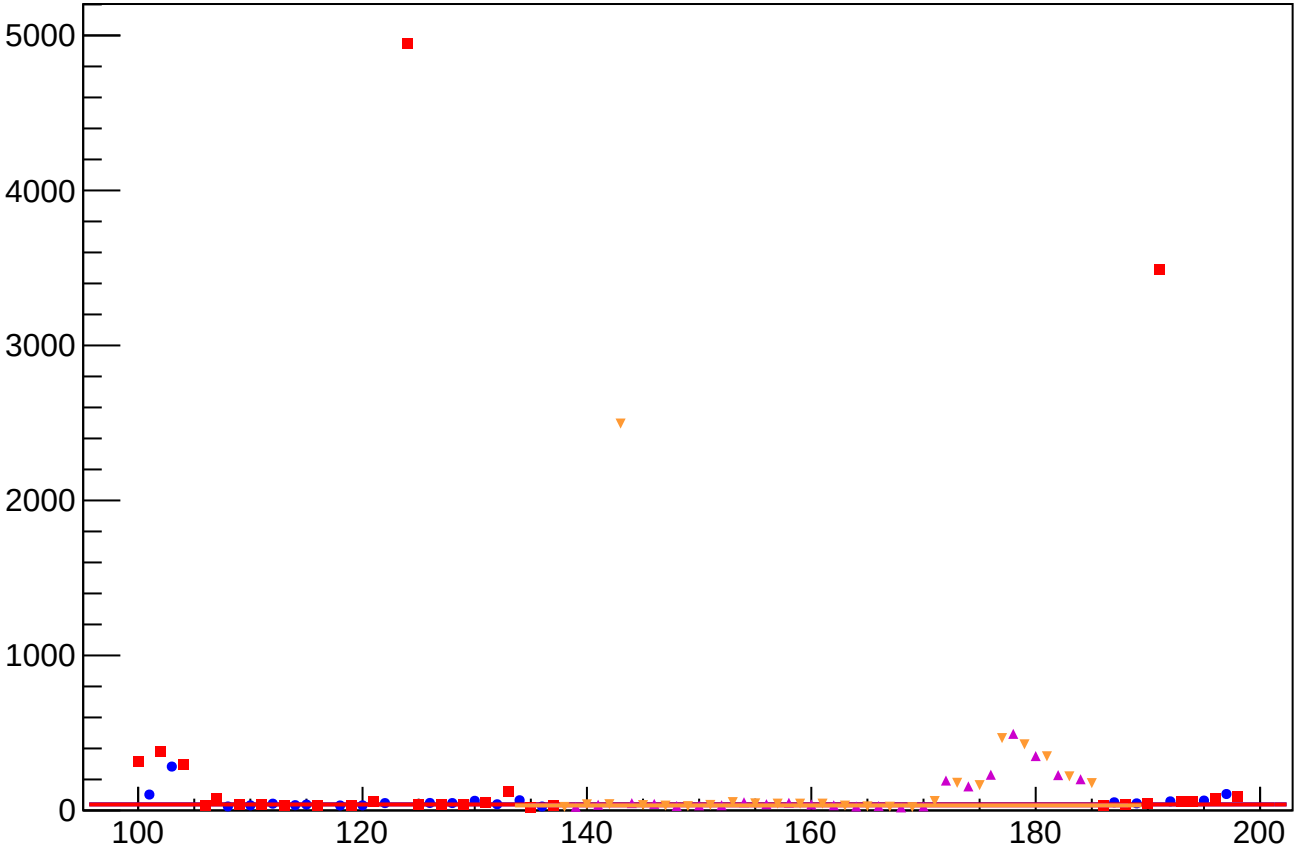
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.4/95

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

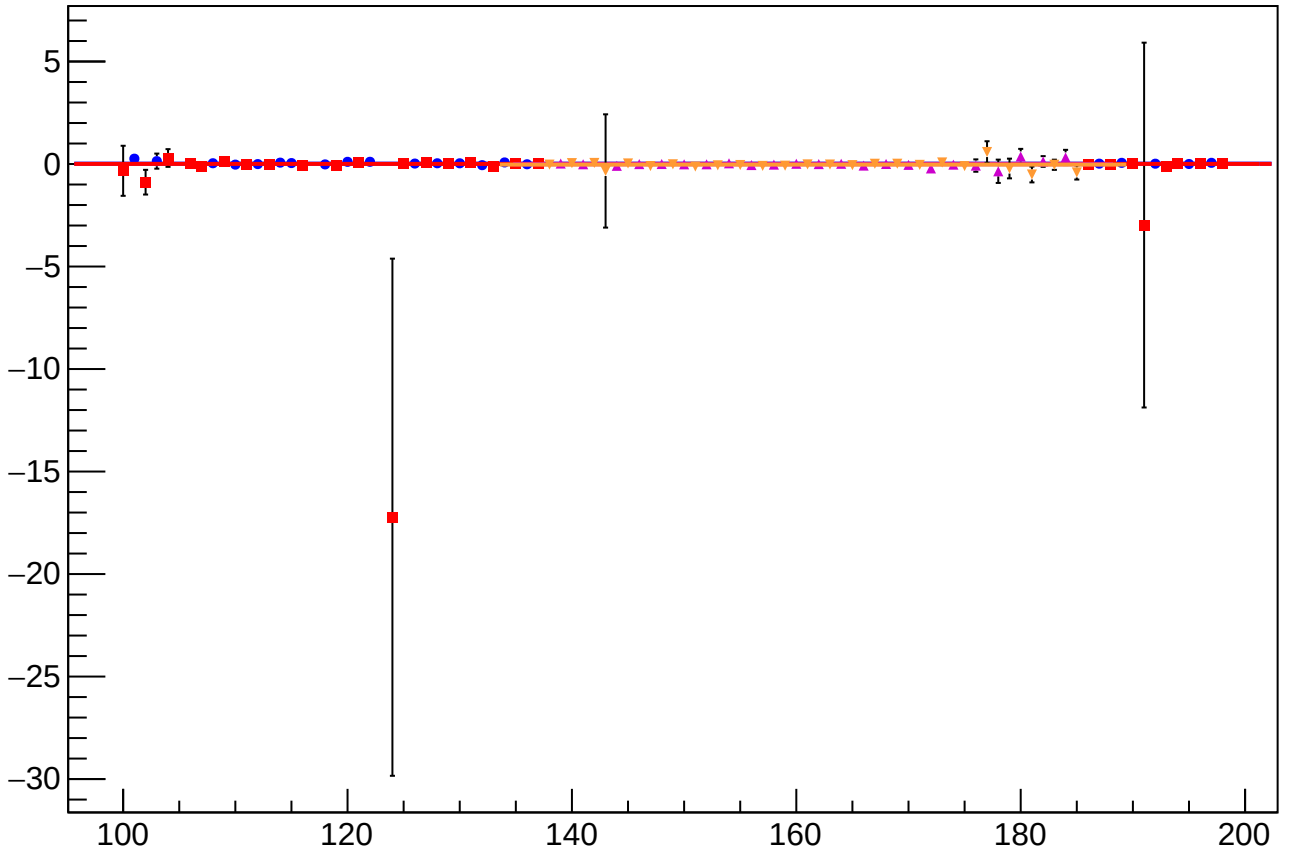
Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632770.5/45

All: 34.734+/-0.004 χ^2/NDF: 28592136.0/95

- sign 34.771+/-0.005 χ^2/NDF: 13959267.7/49



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

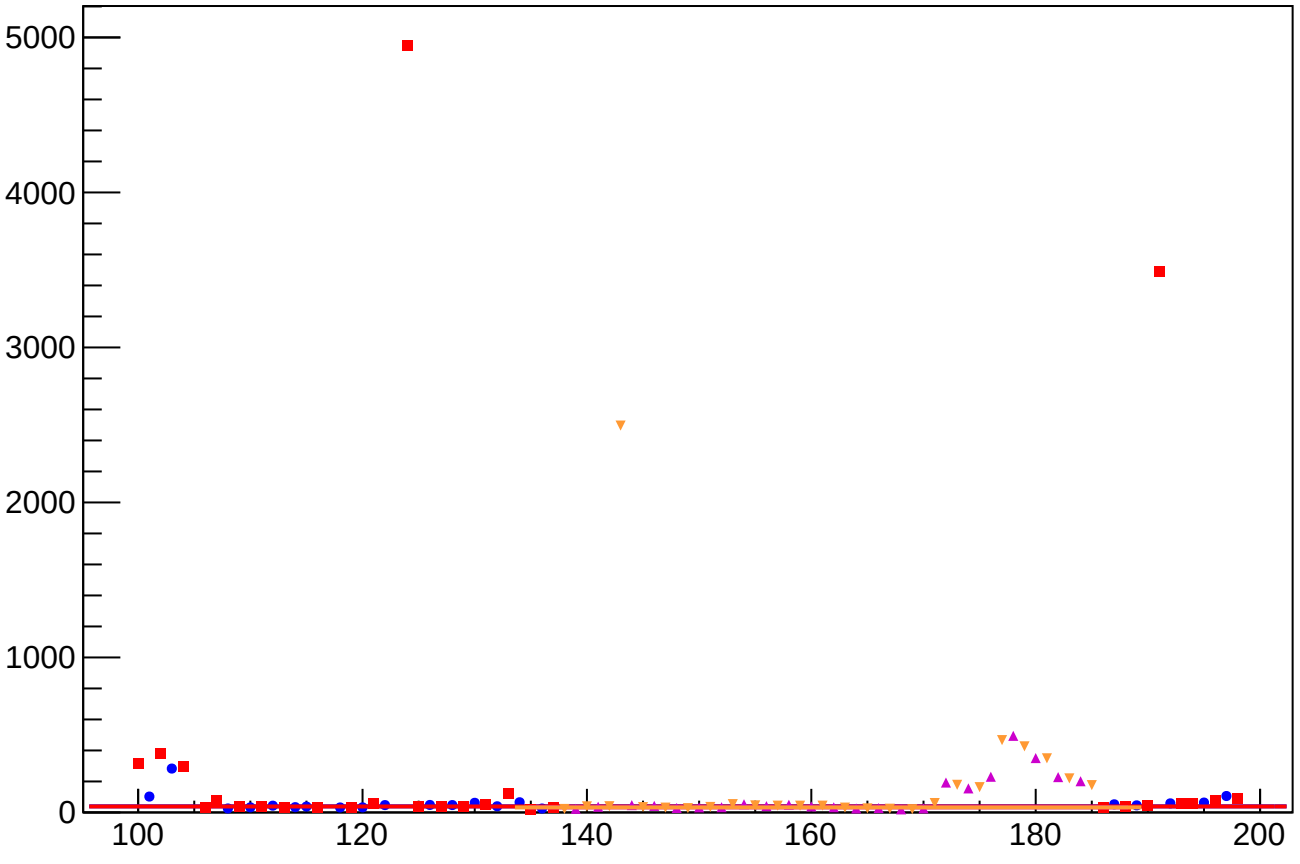
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.4/95

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

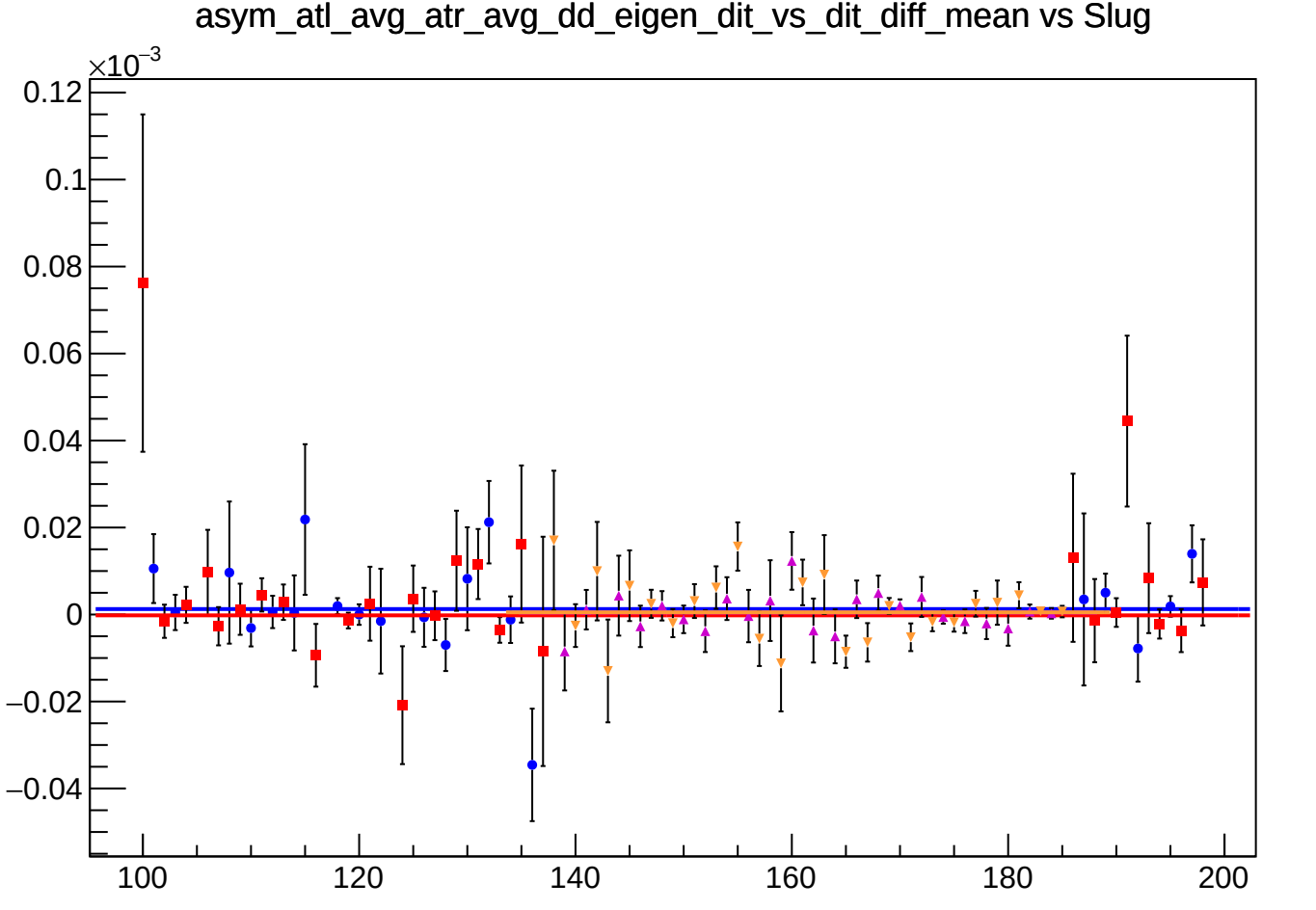
Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

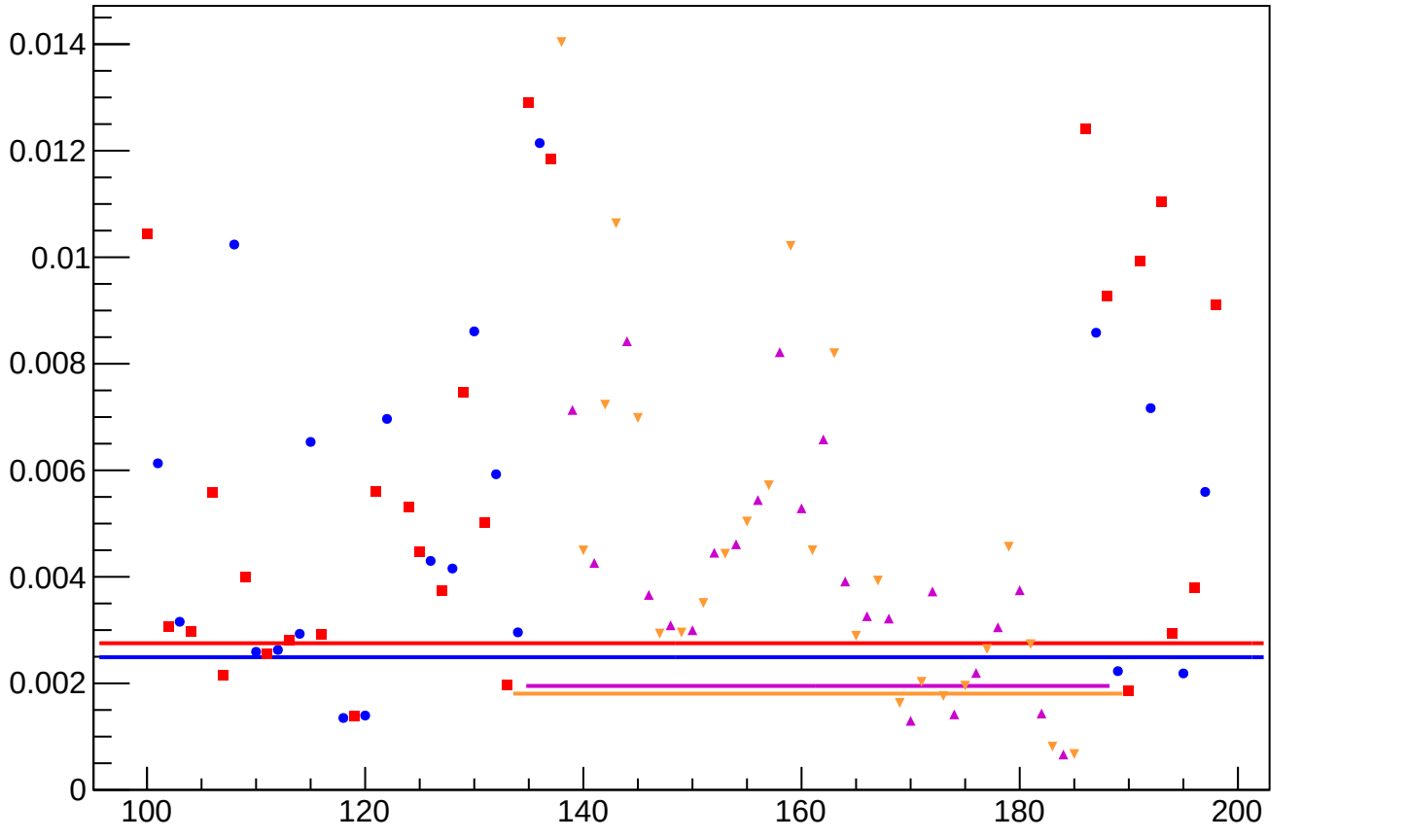
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632770.5/45

All: 34.734+/-0.004 χ^2/NDF: 28592136.0/95

- sign 34.771+/-0.005 χ^2/NDF: 13959267.7/49


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.3/20
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.7/26
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 61.5/45
All: 0.000+/-0.000 χ²/NDF: 101.6/95
- sign 0.000+/-0.000 χ²/NDF: 39.7/49



Right In: 0.002+/-0.000 χ^2/NDF: 6175432.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

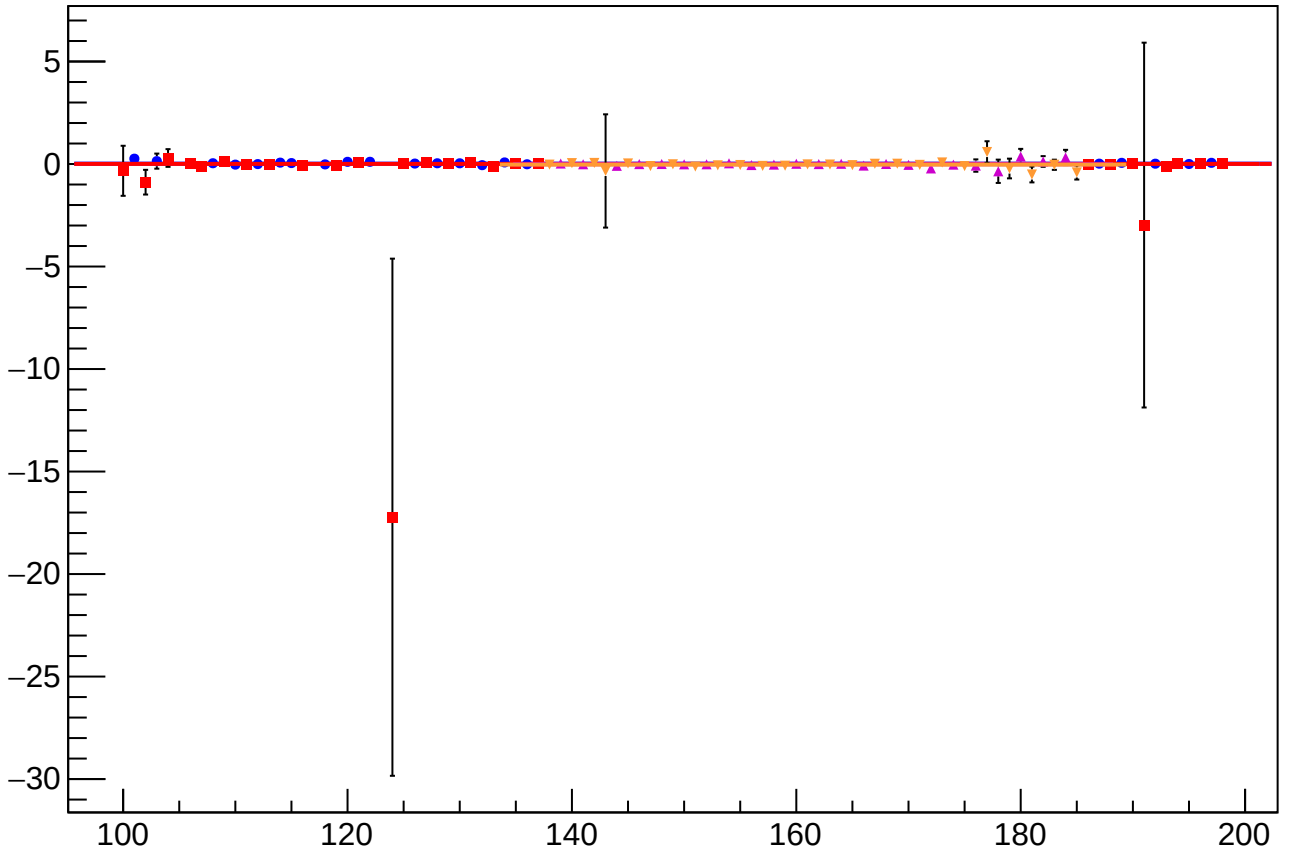
Right Out: 0.003+/-0.000 χ^2/NDF: 7117065.9/26

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 21884583.4/45

All: 0.002+/-0.000 χ^2/NDF: 41702487.3/95

- sign 0.002+/-0.000 χ^2/NDF: 19644526.0/49



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

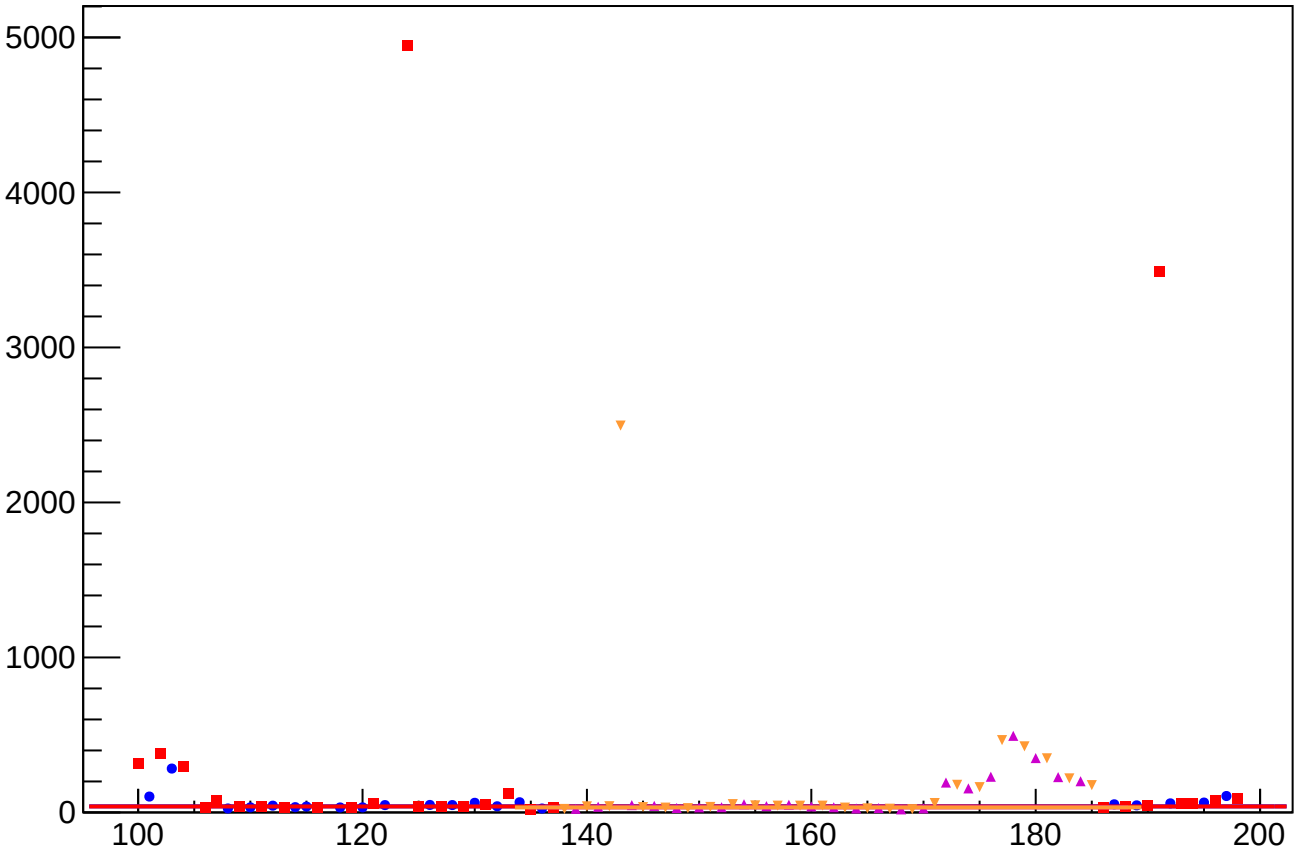
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.4/95

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

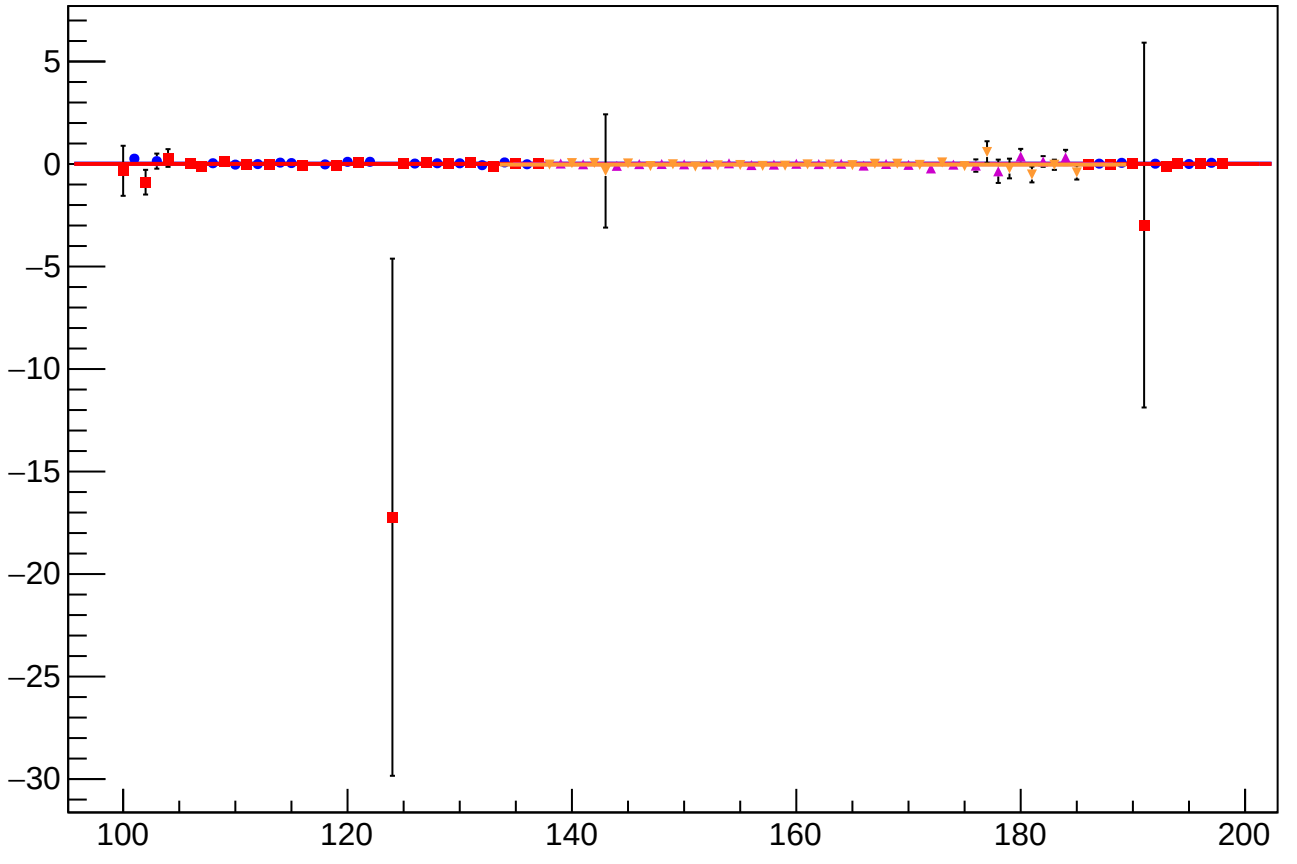
Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632708.1/45

All: 34.733+/-0.004 χ^2/NDF: 28592610.5/95

- sign 34.770+/-0.005 χ^2/NDF: 13959807.3/49



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

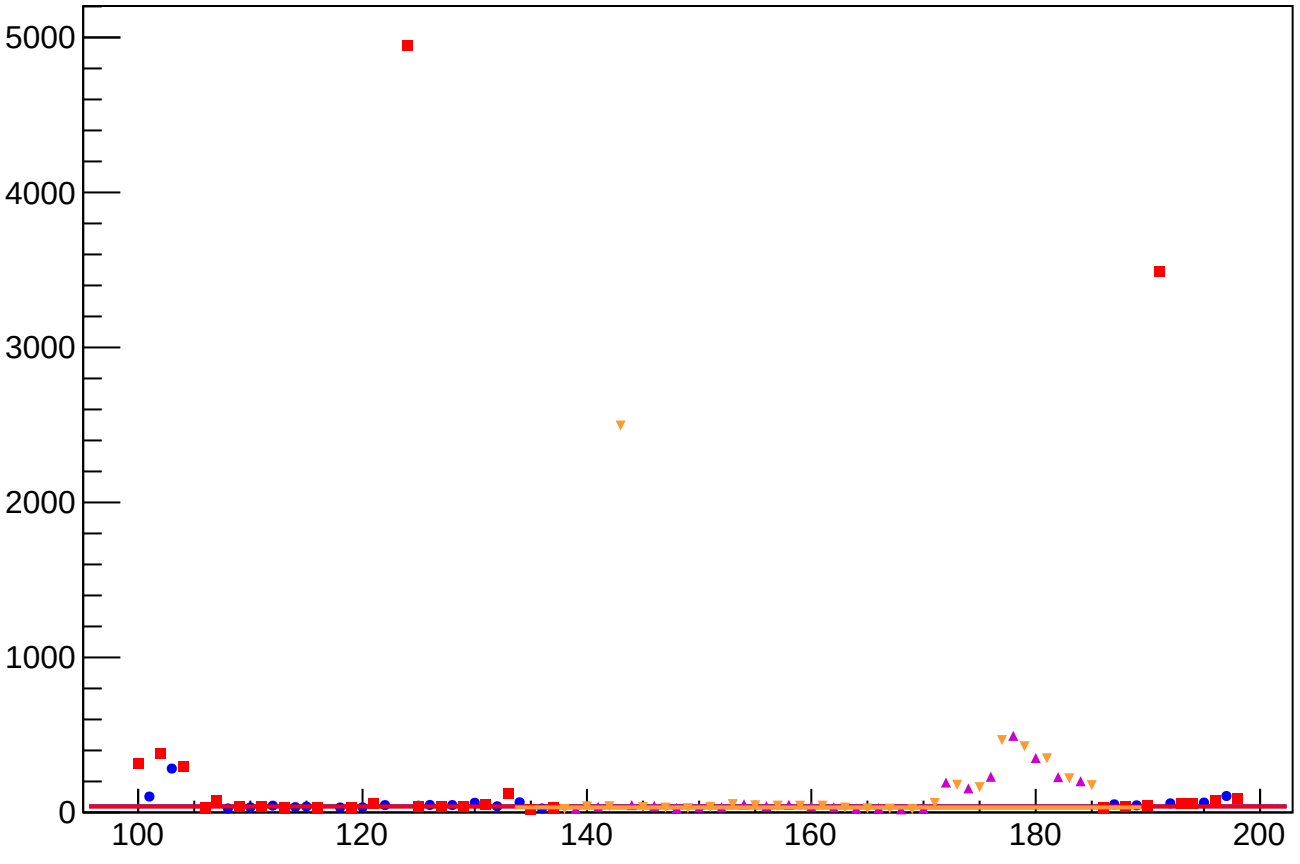
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.4/95

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

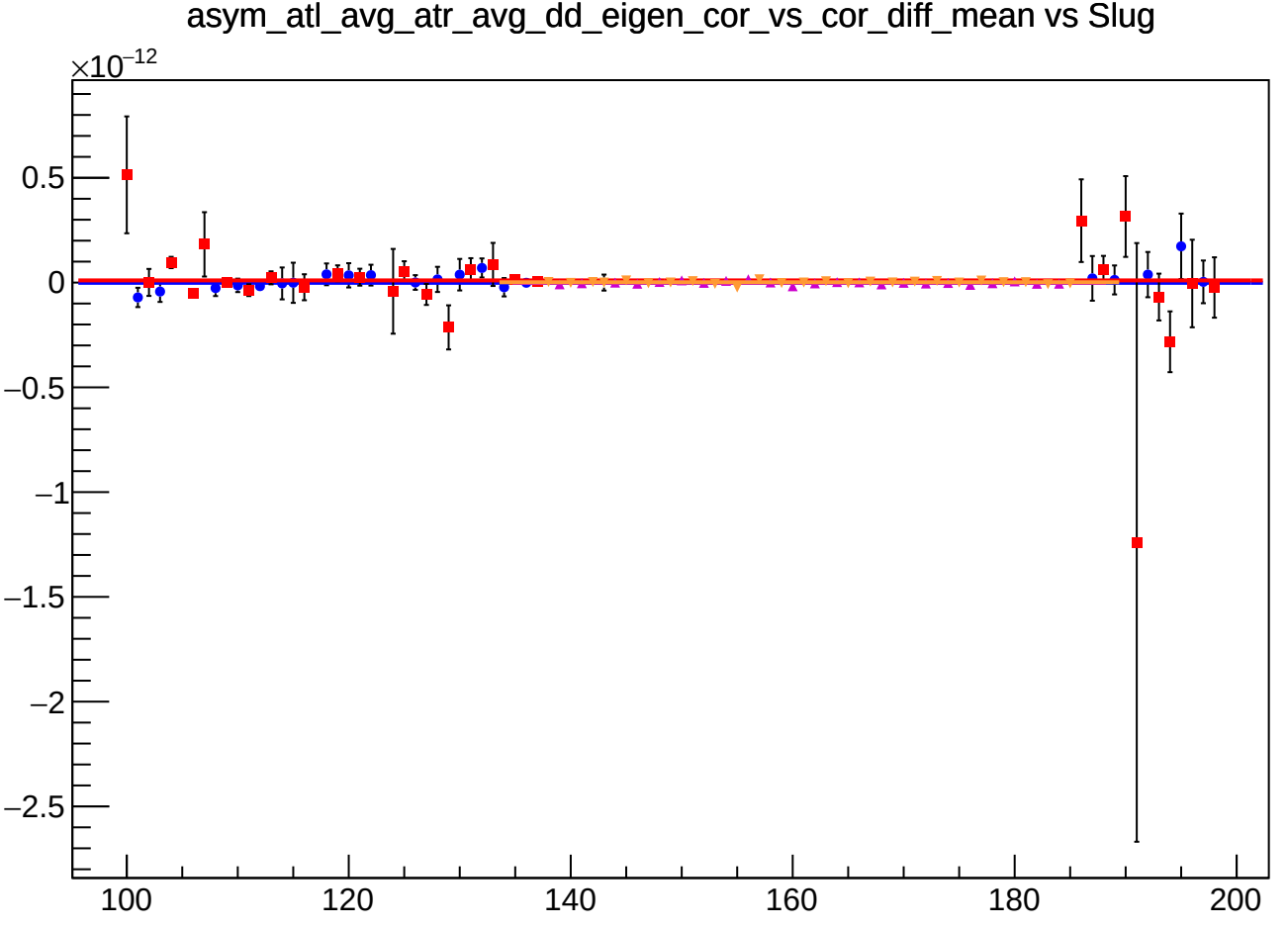
Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632708.1/45

All: 34.733+/-0.004 χ^2/NDF: 28592610.5/95

- sign 34.770+/-0.005 χ^2/NDF: 13959807.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

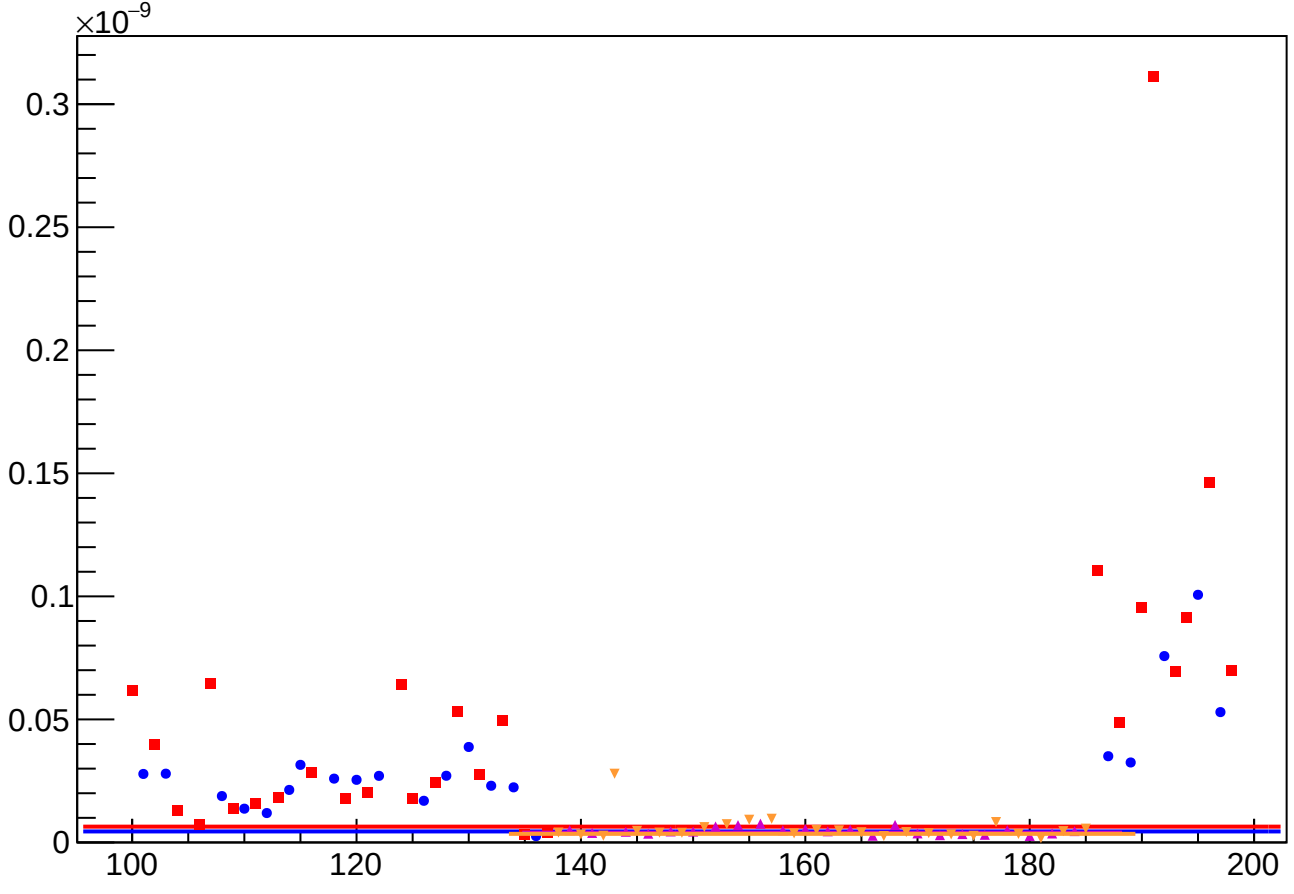
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/26

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/45

All: 0.000+/-0.000 χ^2/NDF: 116.4/95

- sign -0.000+/-0.000 χ^2/NDF: 86.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 7667464.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9431769.5/26

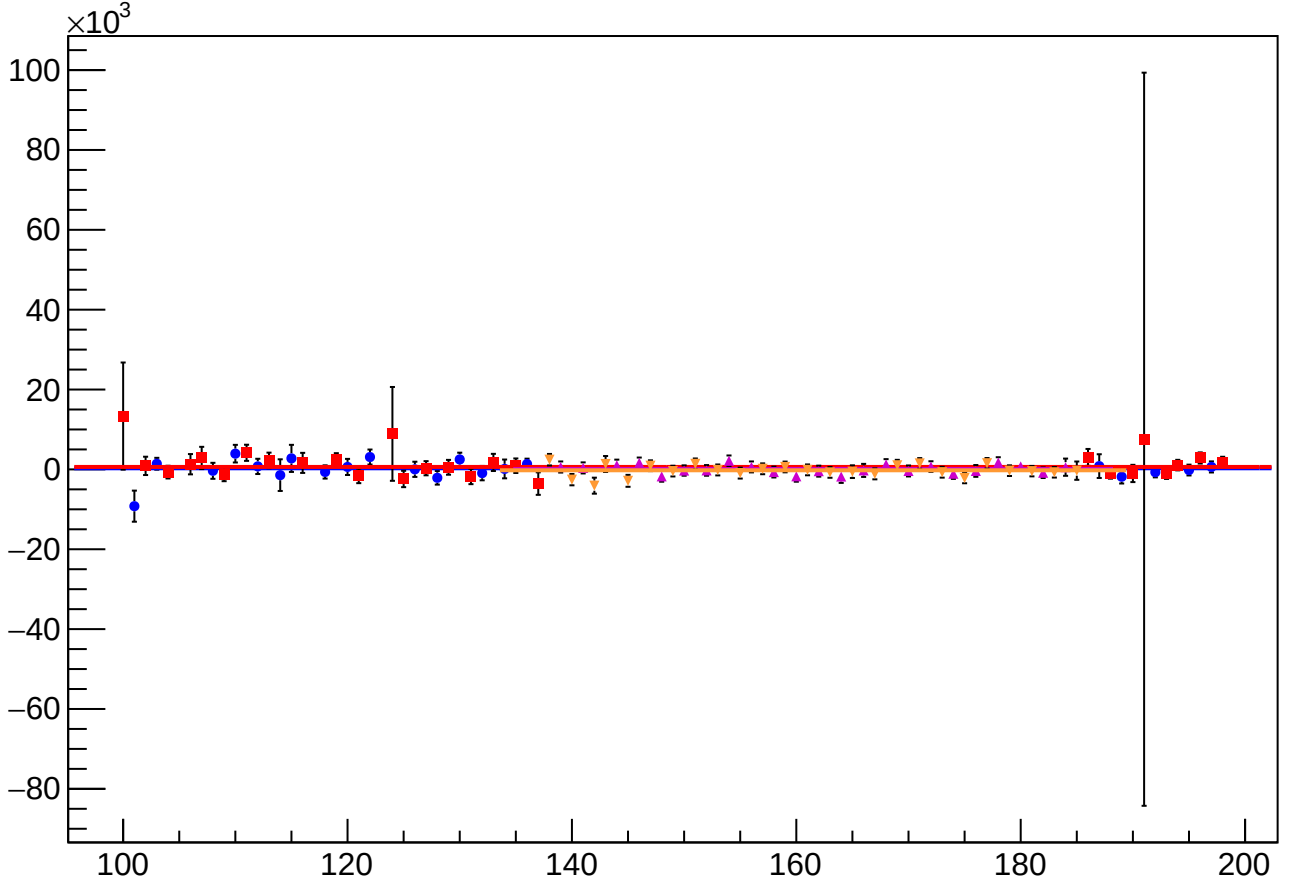
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12506166.5/45

All: 0.000+/-0.000 χ^2/NDF: 24943539.5/95

- sign 0.000+/-0.000 χ^2/NDF: 12151065.0/49

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 278.792+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 615.579+/-367.279 χ^2/NDF: 24.8/26

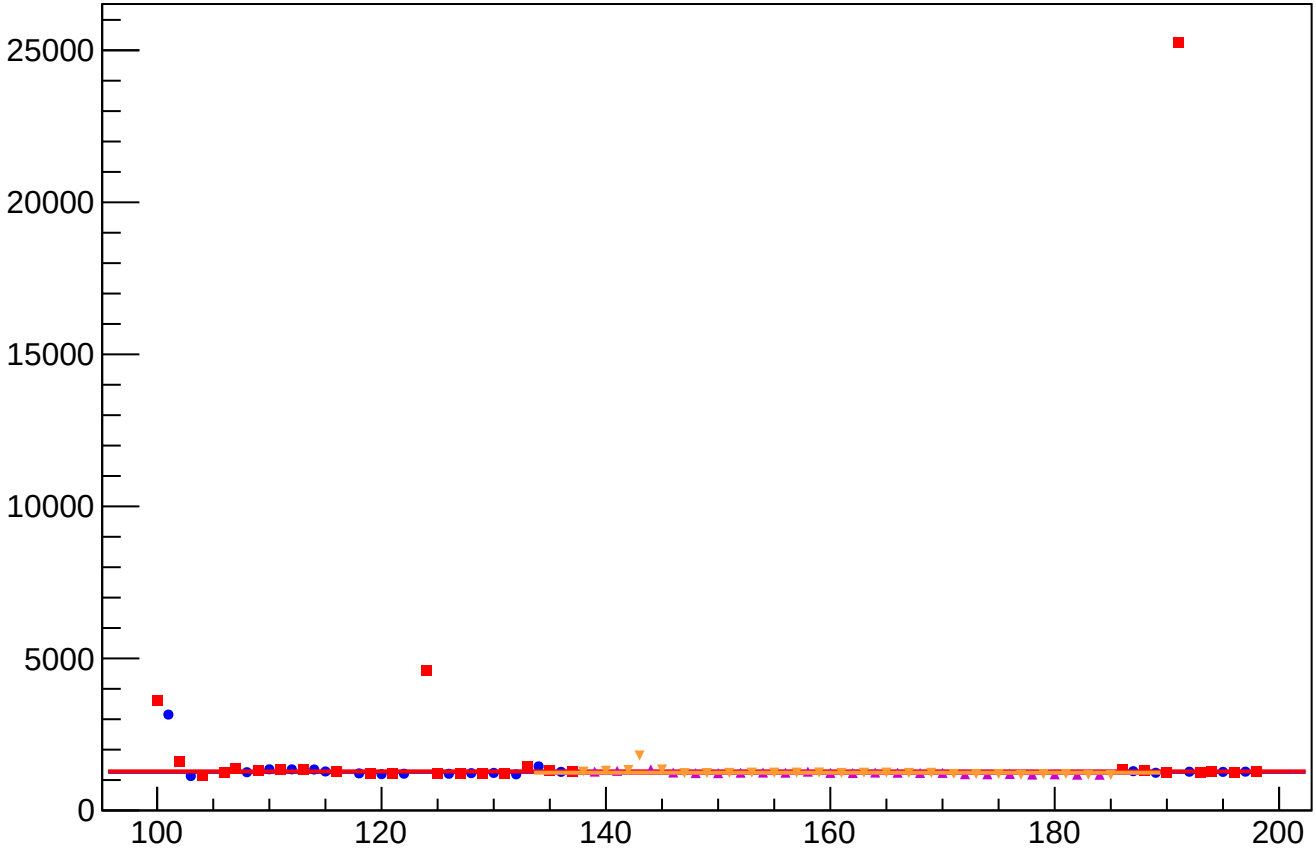
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -51.089+/-230.025 χ^2/NDF: 44.8/45

All: 122.819+/-161.478 χ^2/NDF: 86.6/95

- sign 291.793+/-226.738 χ^2/NDF: 40.7/49

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520131.2/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

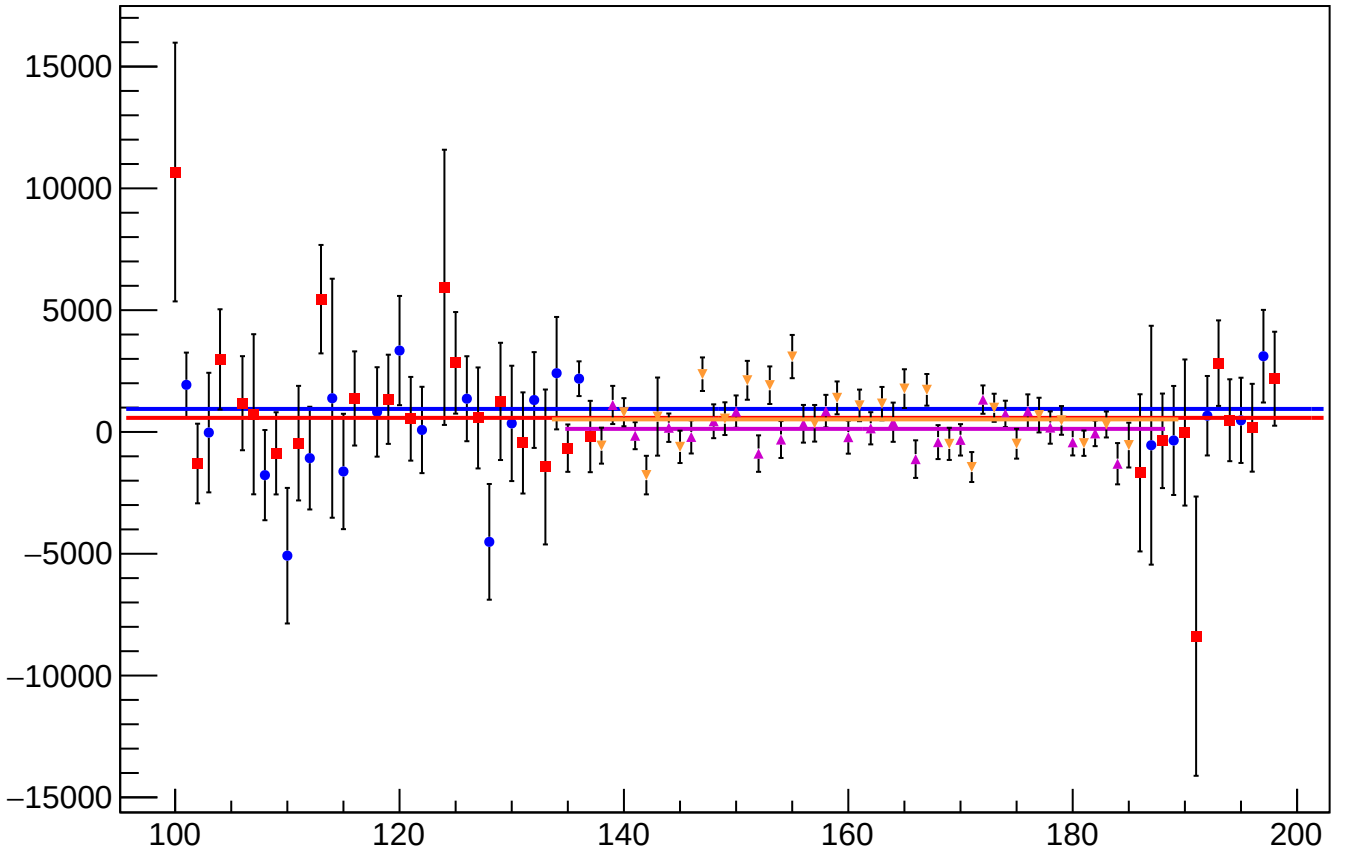
Right Out: 1282.613+/-0.260 χ^2/NDF: 468595.1/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730271.1/45

All: 1252.422+/-0.114 χ^2/NDF: 1260054.5/95

- sign 1252.374+/-0.160 χ^2/NDF: 529783.2/49



Right In: 945.510+/-385.336 χ^2/NDF: 21.7/20

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 578.347+/-379.995 χ^2/NDF: 22.8/26

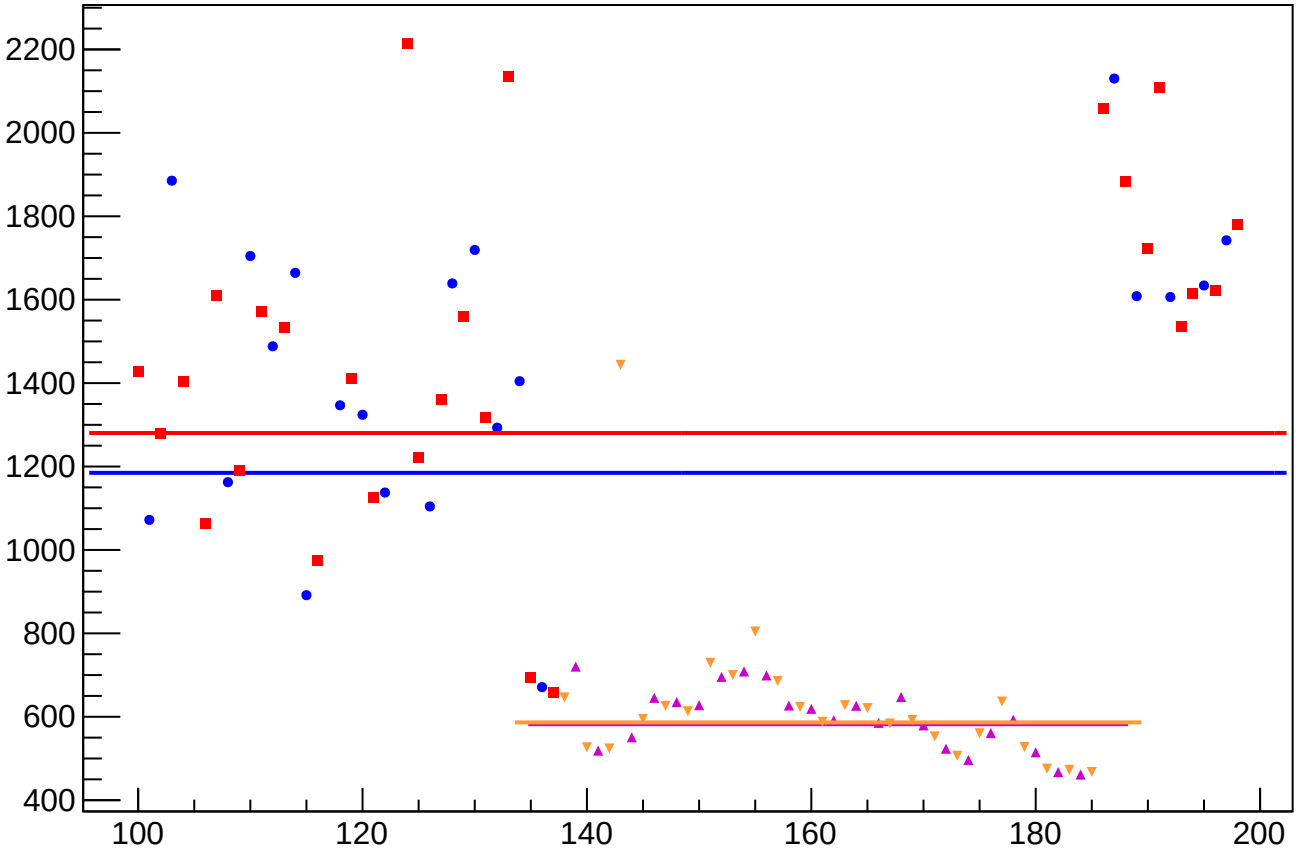
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 564.123+/-128.034 χ^2/NDF: 89.9/45

All: 373.020+/-90.909 χ^2/NDF: 139.9/95

- sign 178.716+/-129.101 χ^2/NDF: 45.6/49

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1184.875+/-0.272 χ^2/NDF: 2188879.6/20

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1280.399+/-0.269 χ^2/NDF: 2234342.5/26

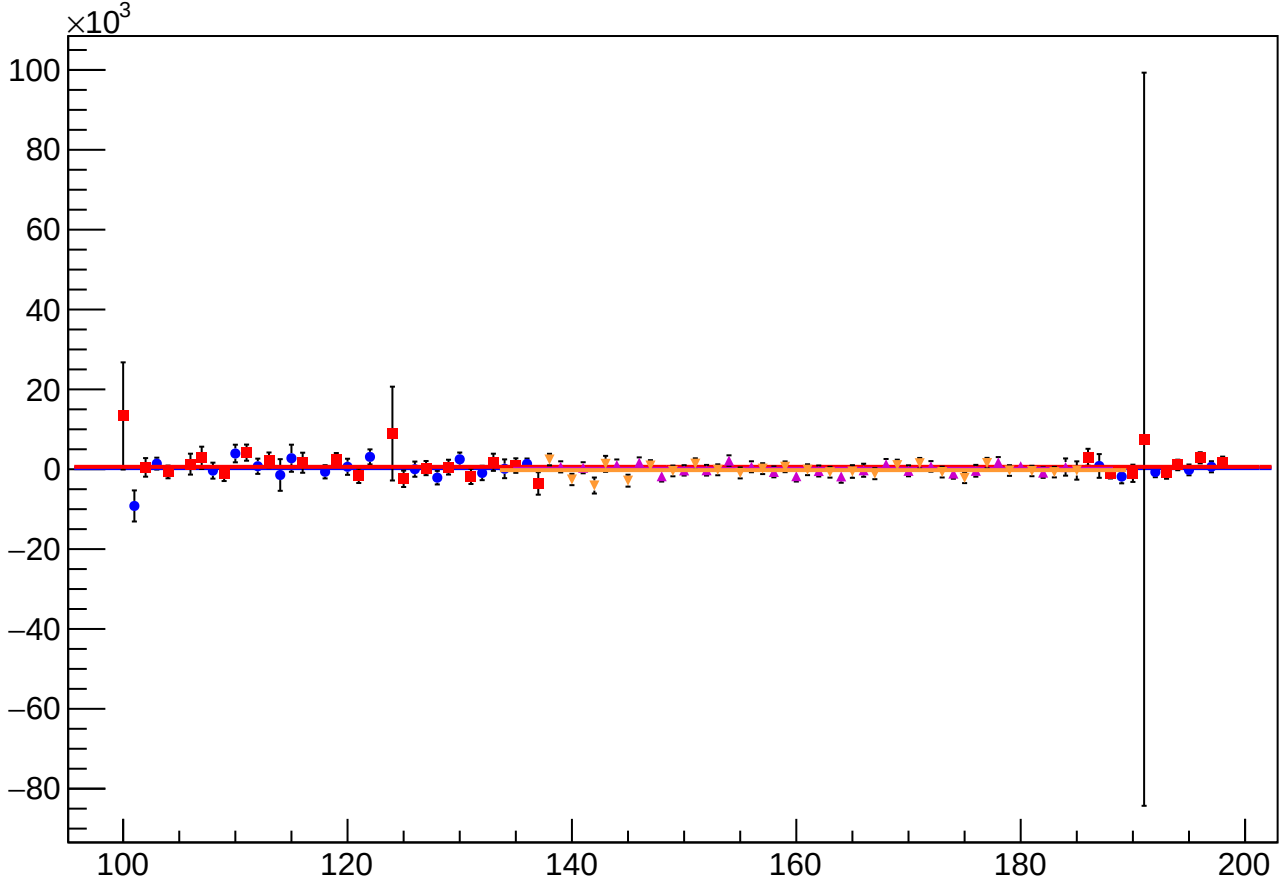
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 652.612+/-0.091 χ^2/NDF: 7681327.4/45

All: 657.655+/-0.064 χ^2/NDF: 16453996.5/95

- sign 662.782+/-0.091 χ^2/NDF: 8766411.6/49

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 603.827+/-367.644 χ^2/NDF: 24.8/26

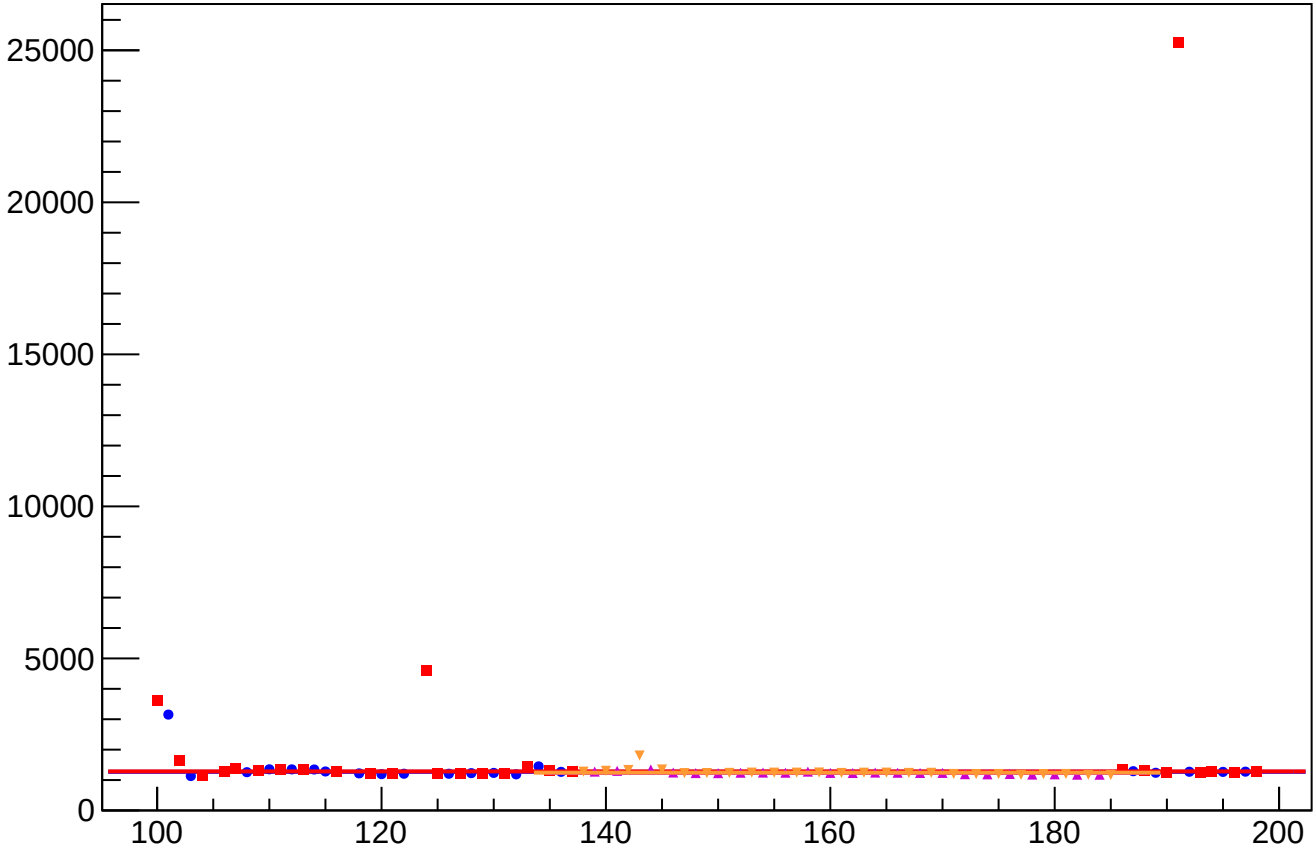
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -51.040+/-230.025 χ^2/NDF: 44.8/45

All: 120.409+/-161.509 χ^2/NDF: 86.5/95

- sign 287.118+/-226.824 χ^2/NDF: 40.6/49

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

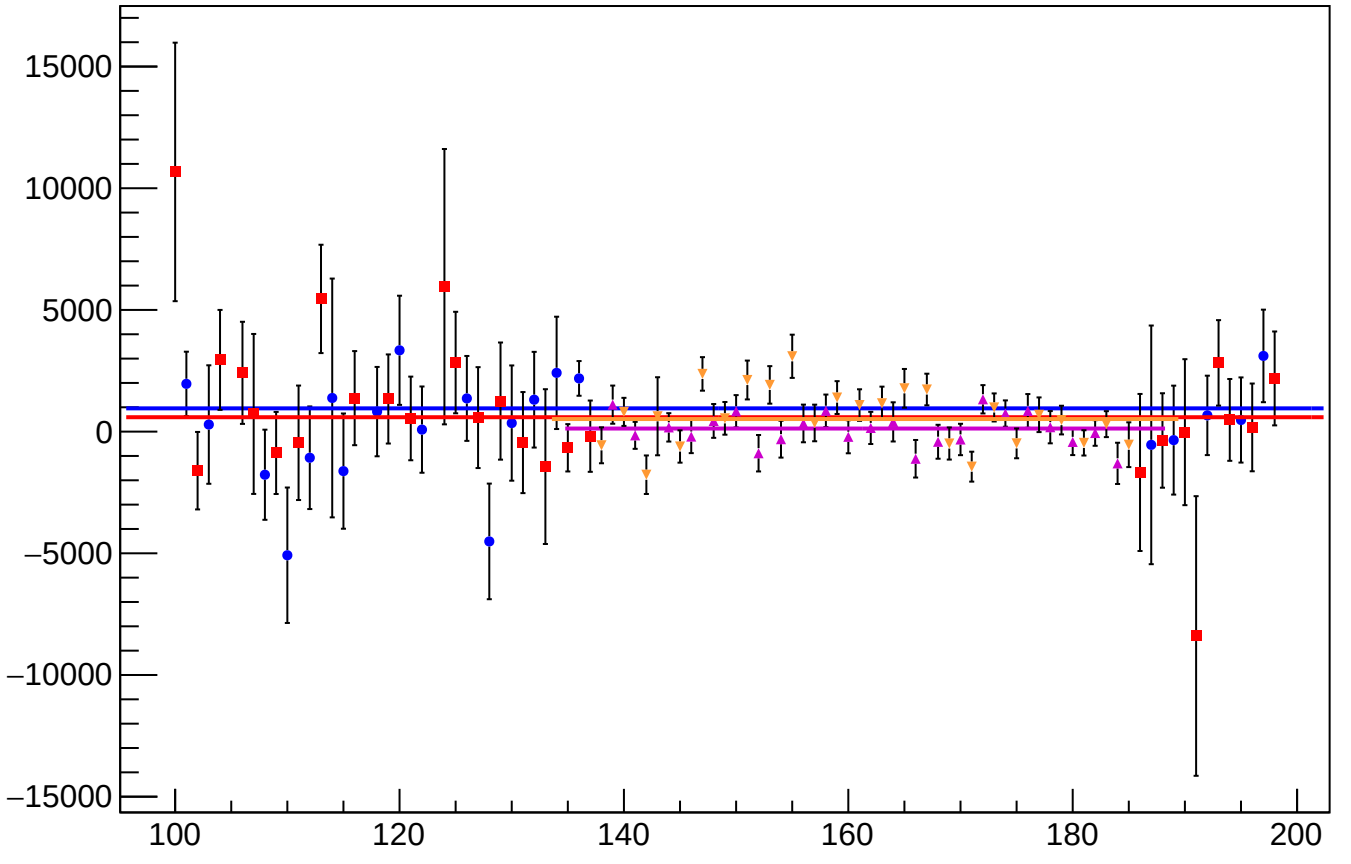
Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730272.5/45

All: 1252.668+/-0.114 χ^2/NDF: 1267909.9/95

- sign 1252.860+/-0.160 χ^2/NDF: 537634.5/49



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

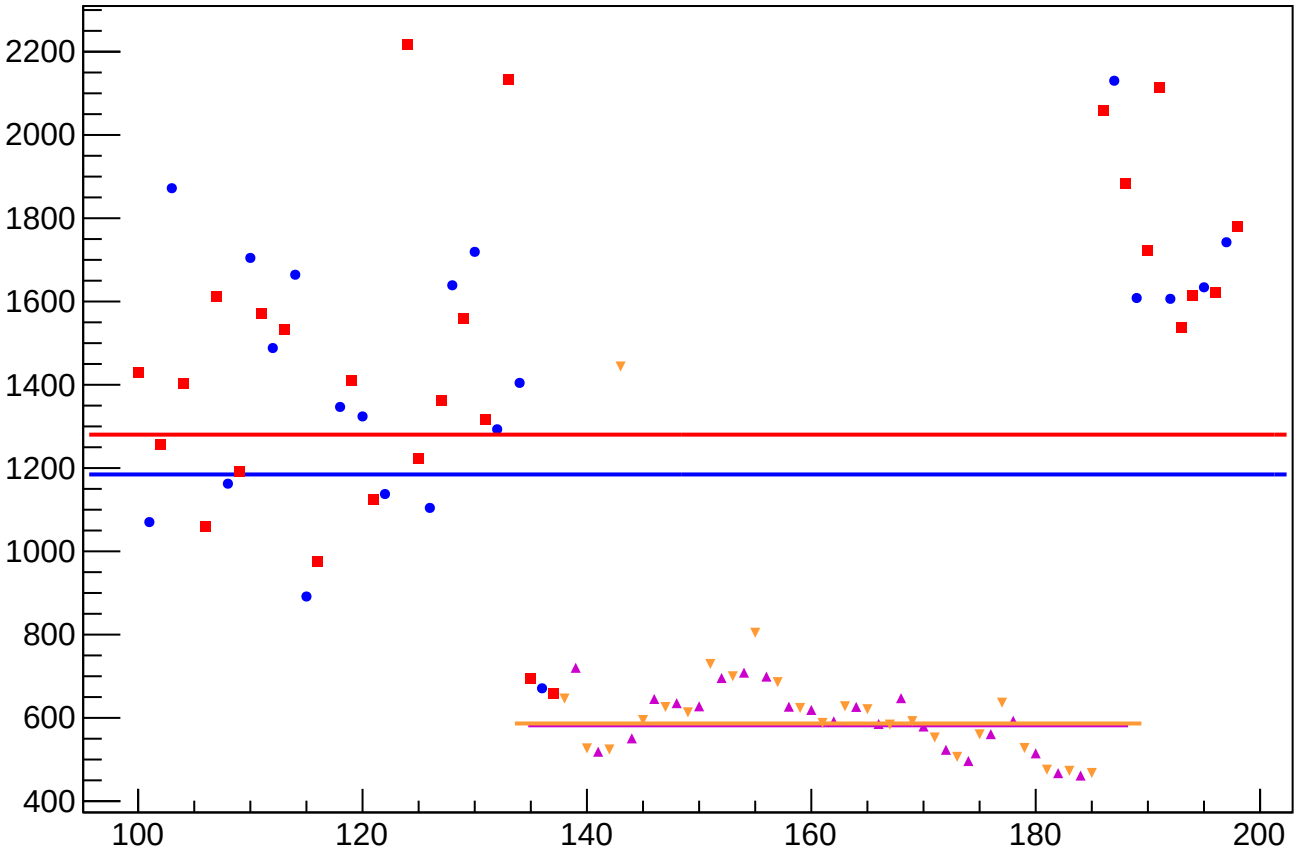
Right Out: 591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 565.289+/-128.030 χ^2/NDF: 89.9/45

All: 374.318+/-90.915 χ^2/NDF: 141.2/95

- sign 180.073+/-129.123 χ^2/NDF: 46.9/49



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

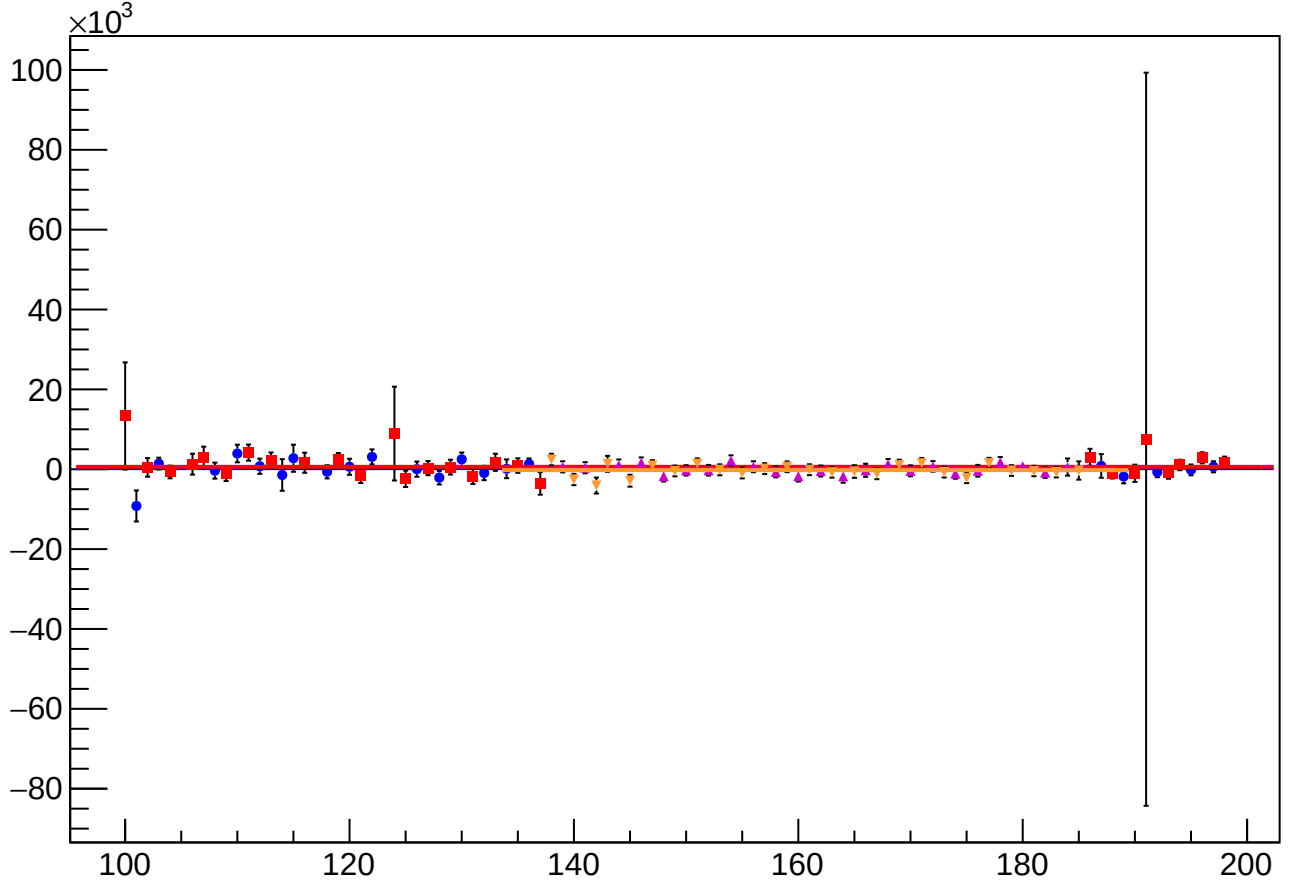
Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 652.632+/-0.091 χ^2/NDF: 7677539.1/45

All: 657.553+/-0.064 χ^2/NDF: 16430207.0/95

- sign 662.560+/-0.091 χ^2/NDF: 8746705.8/49



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 603.827+/-367.644 χ^2/NDF: 24.8/26

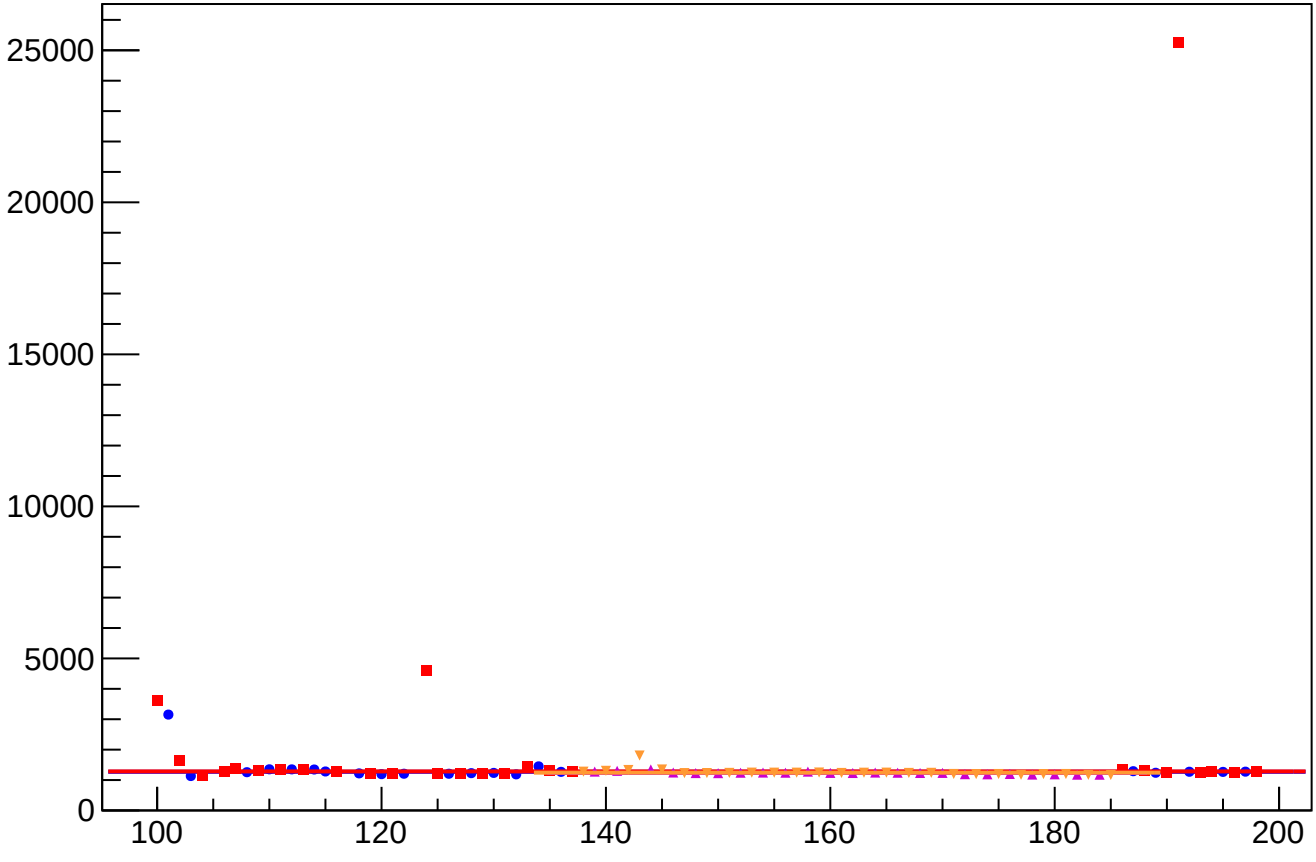
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign -51.040+/-230.025 χ^2/NDF: 44.8/45

All: 120.409+/-161.509 χ^2/NDF: 86.5/95

\- sign 287.118+/-226.824 χ^2/NDF: 40.6/49

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

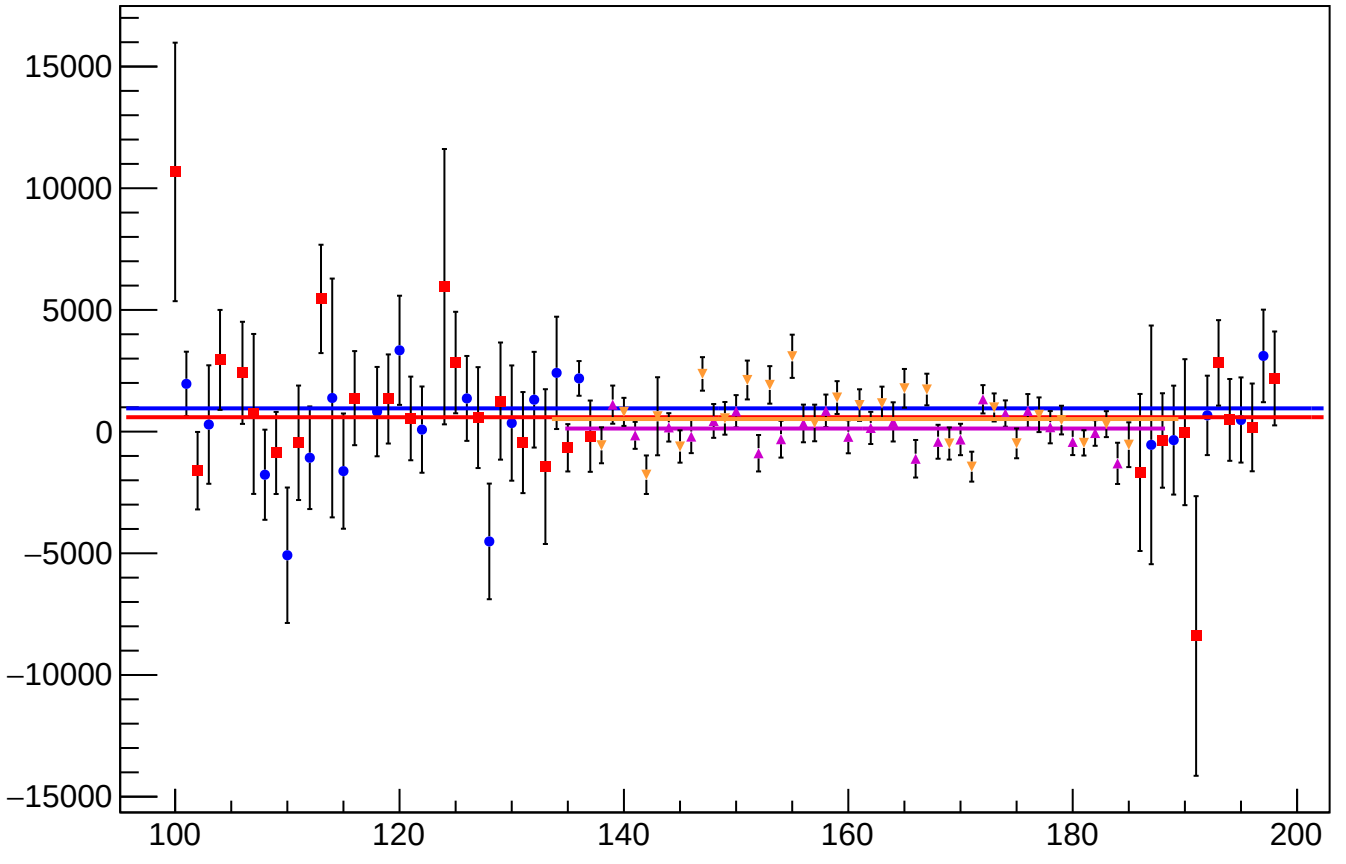
Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730272.5/45

All: 1252.668+/-0.114 χ^2/NDF: 1267909.9/95

- sign 1252.860+/-0.160 χ^2/NDF: 537634.5/49



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

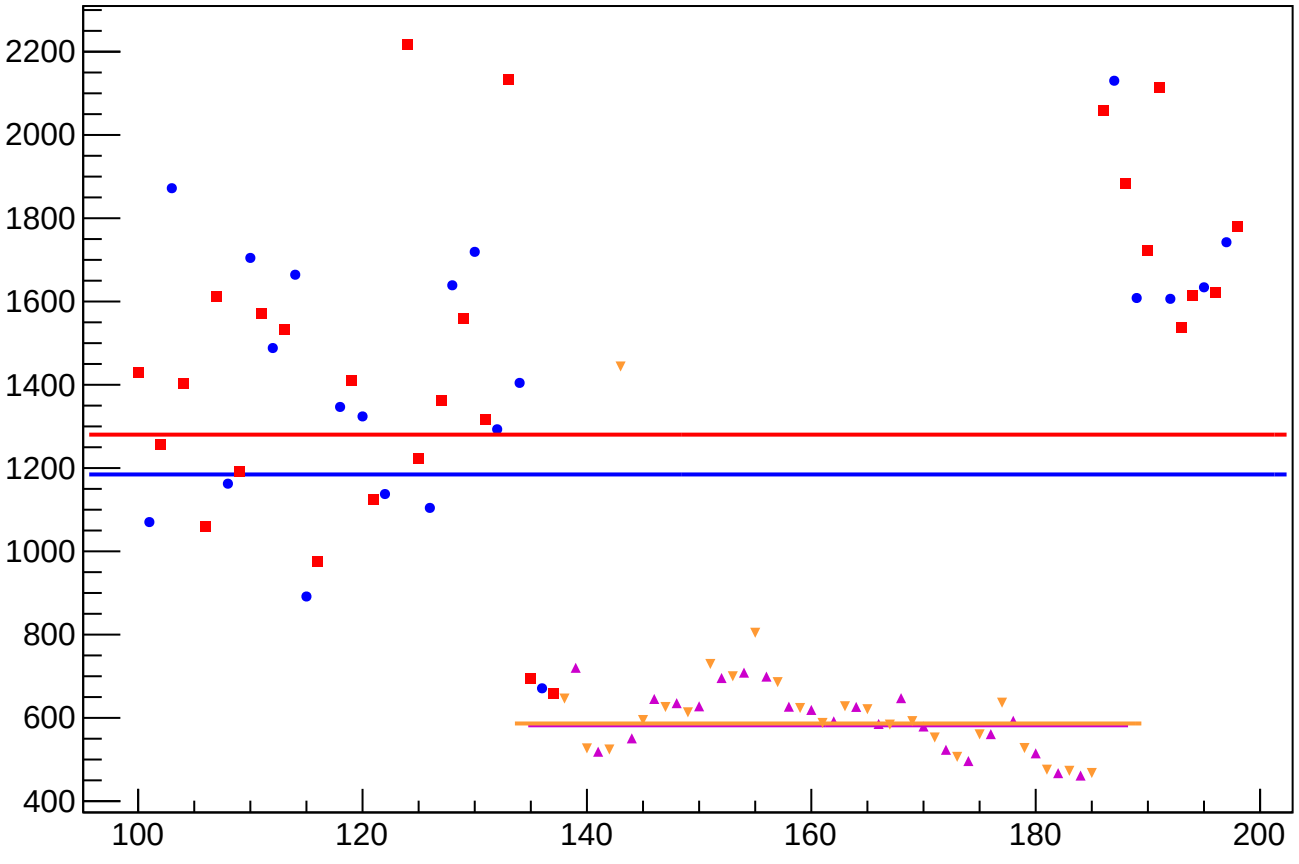
Right Out: 591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 565.289+/-128.030 χ^2/NDF: 89.9/45

All: 374.318+/-90.915 χ^2/NDF: 141.2/95

- sign 180.073+/-129.123 χ^2/NDF: 46.9/49



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

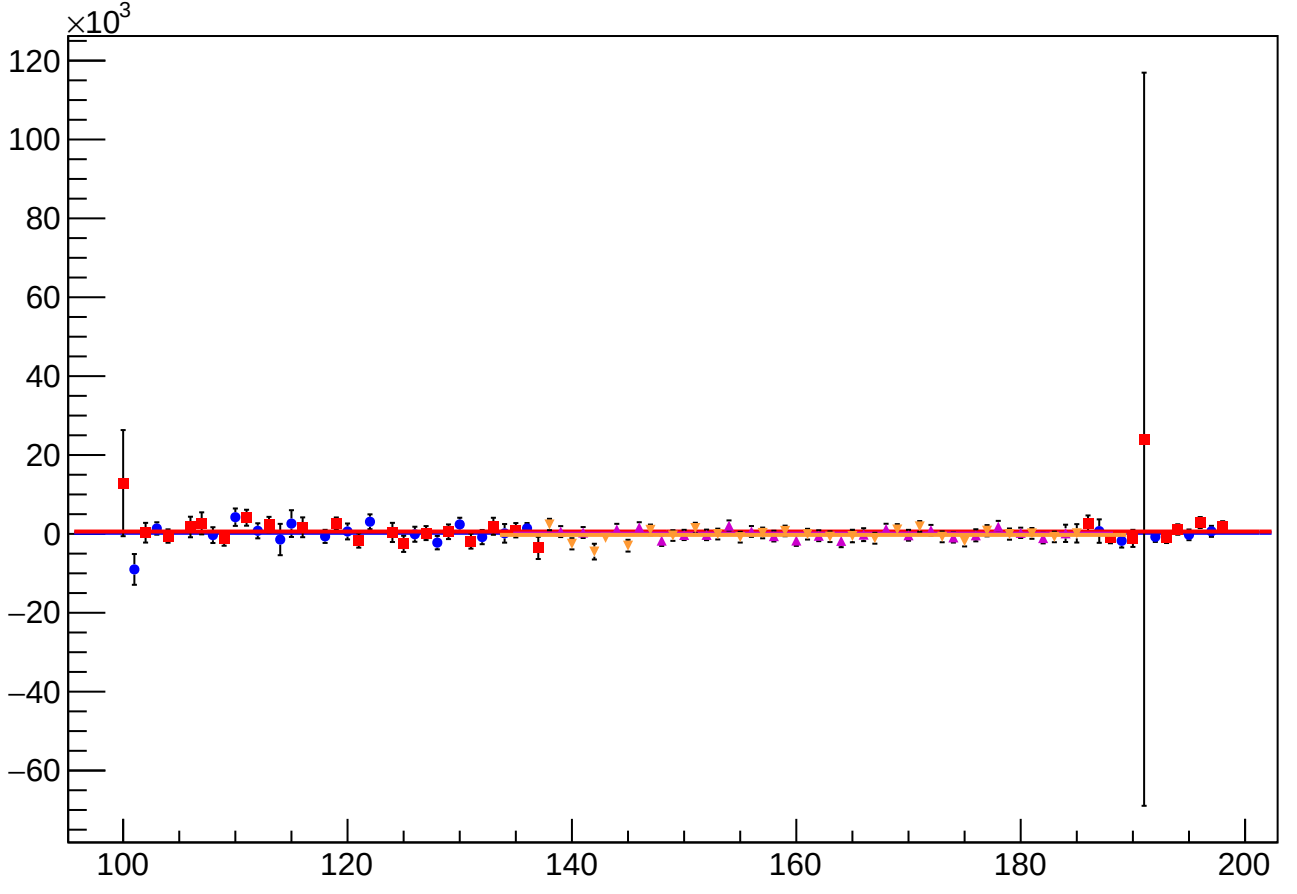
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 652.632+/-0.091 χ^2/NDF: 7677539.1/45

All: 657.553+/-0.064 χ^2/NDF: 16430207.0/95

- sign 662.560+/-0.091 χ^2/NDF: 8746705.8/49

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 272.531+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 598.470+/-366.000 χ^2/NDF: 24.4/26

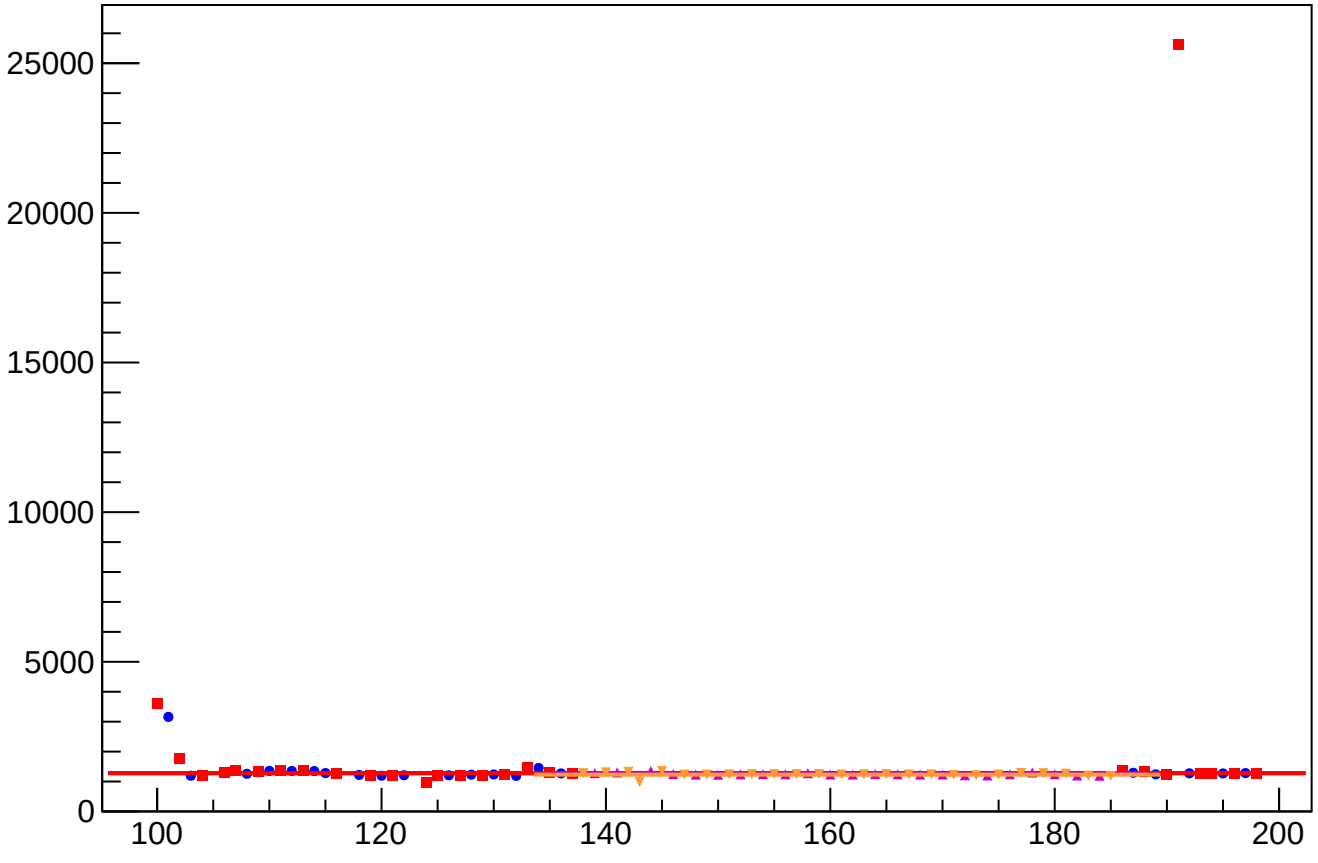
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -76.846+/-228.706 χ^2/NDF: 45.0/45

All: 101.160+/-161.468 χ^2/NDF: 85.8/95

- sign 278.065+/-227.998 χ^2/NDF: 39.6/49

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1277.765+/-0.280 χ^2/NDF: 508257.2/20

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

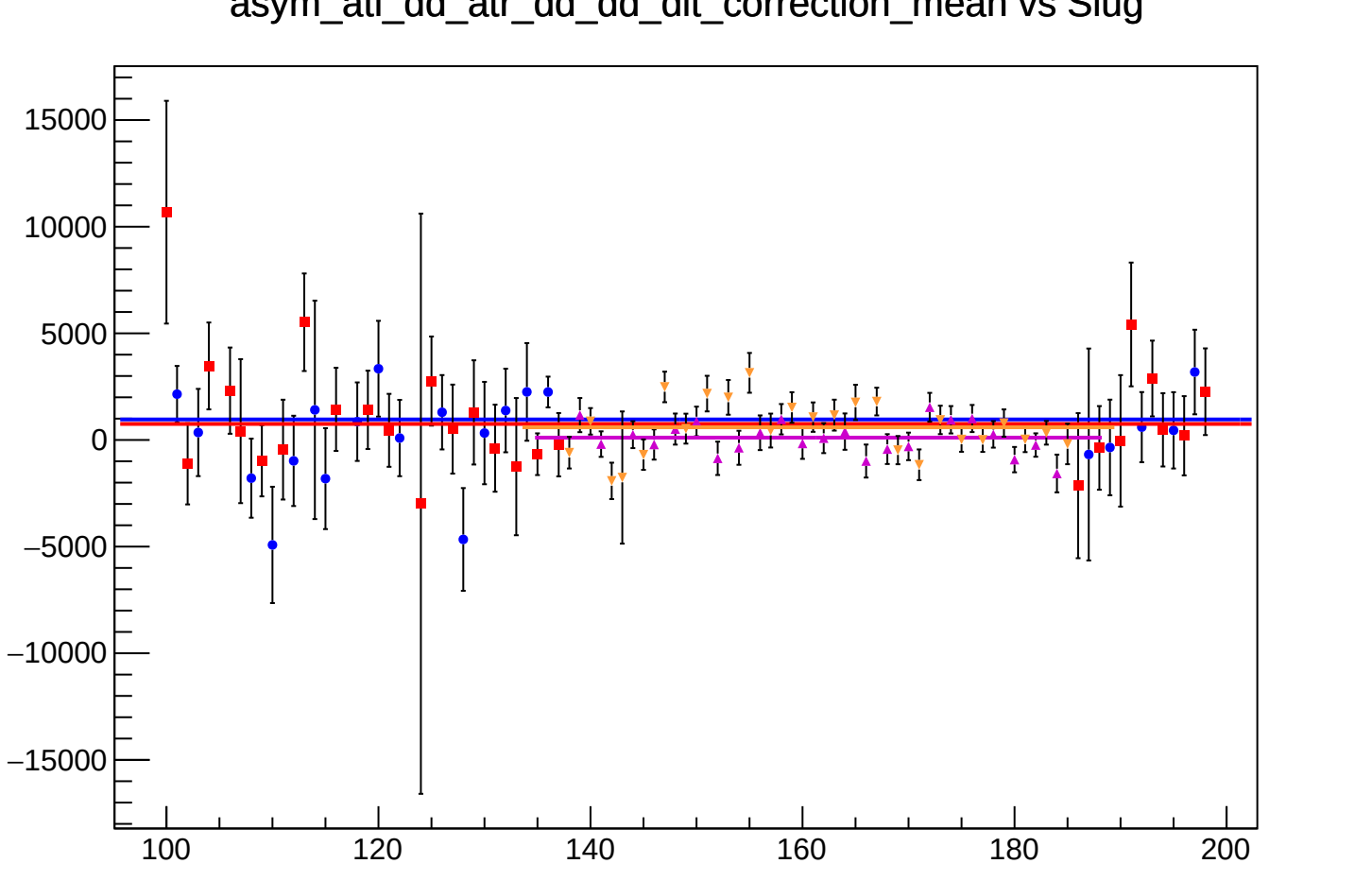
Right Out: 1280.724+/-0.259 χ^2/NDF: 368645.8/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1245.871+/-0.162 χ^2/NDF: 669236.5/45

All: 1253.242+/-0.114 χ^2/NDF: 1079277.7/95

- sign 1260.567+/-0.161 χ^2/NDF: 405899.1/49



Right In: 962.303+/-386.132 χ^2/NDF: 22.3/20

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

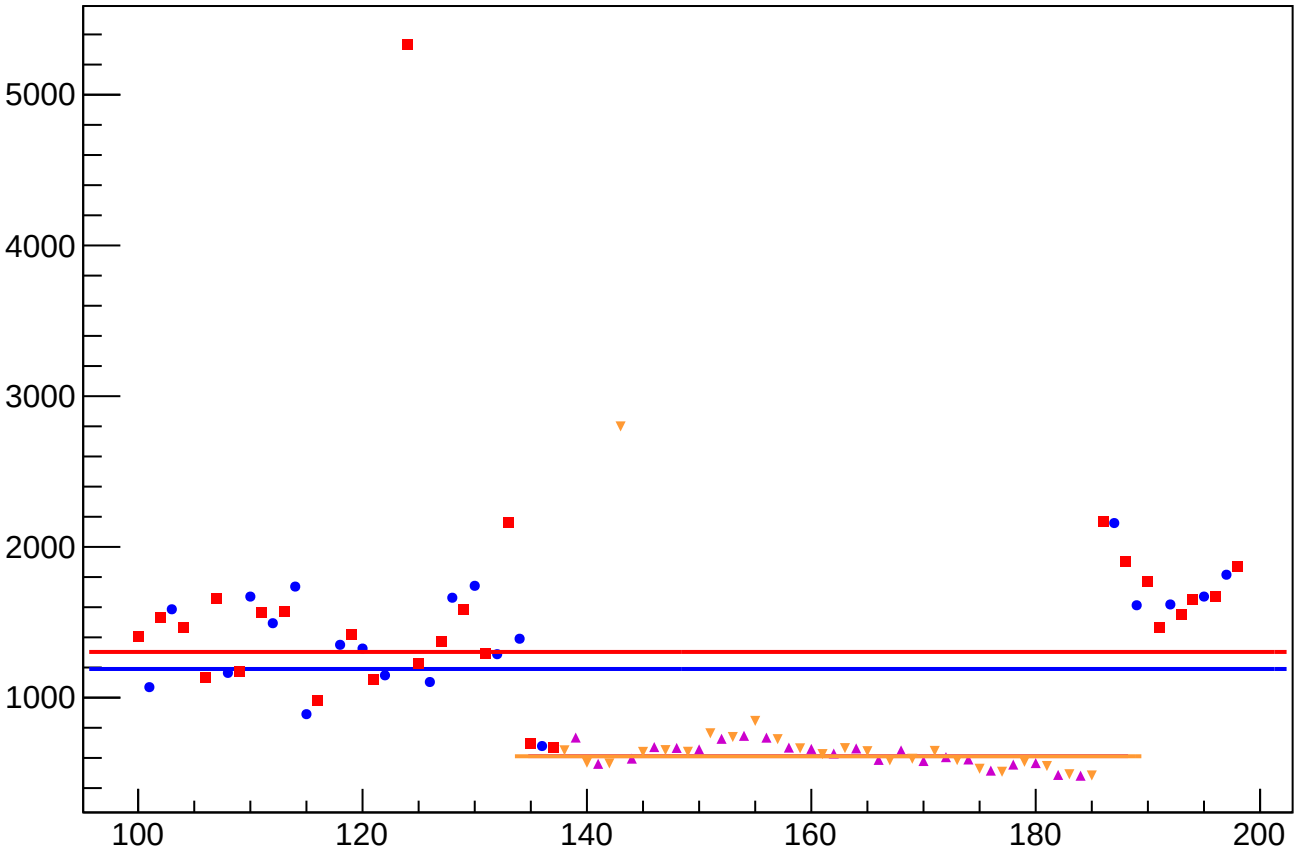
Right Out: 751.626+/-384.991 χ^2/NDF: 23.0/26

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 638.827+/-133.382 χ^2/NDF: 80.4/45

All: 416.829+/-94.905 χ^2/NDF: 137.2/95

- sign 189.192+/-135.065 χ^2/NDF: 51.2/49



Right In: 1190.182+/-0.273 χ^2/NDF: 2112321.0/20

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

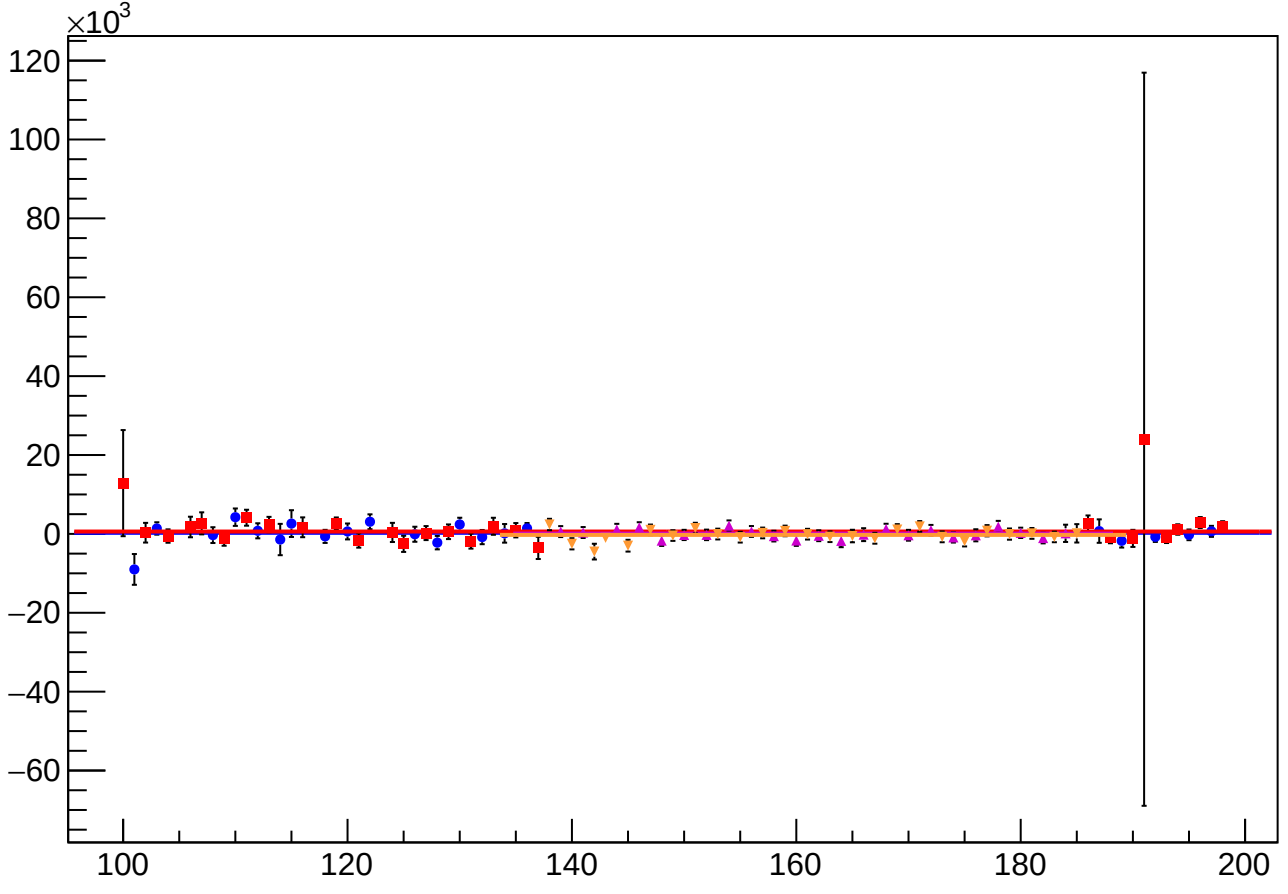
Right Out: 1303.250+/-0.272 χ^2/NDF: 2433704.8/26

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 680.185+/-0.094 χ^2/NDF: 7693299.5/45

All: 688.699+/-0.067 χ^2/NDF: 16299626.3/95

- sign 697.428+/-0.096 χ^2/NDF: 8589824.5/49



Right In: 272.532+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 598.470+/-366.000 χ^2/NDF: 24.4/26

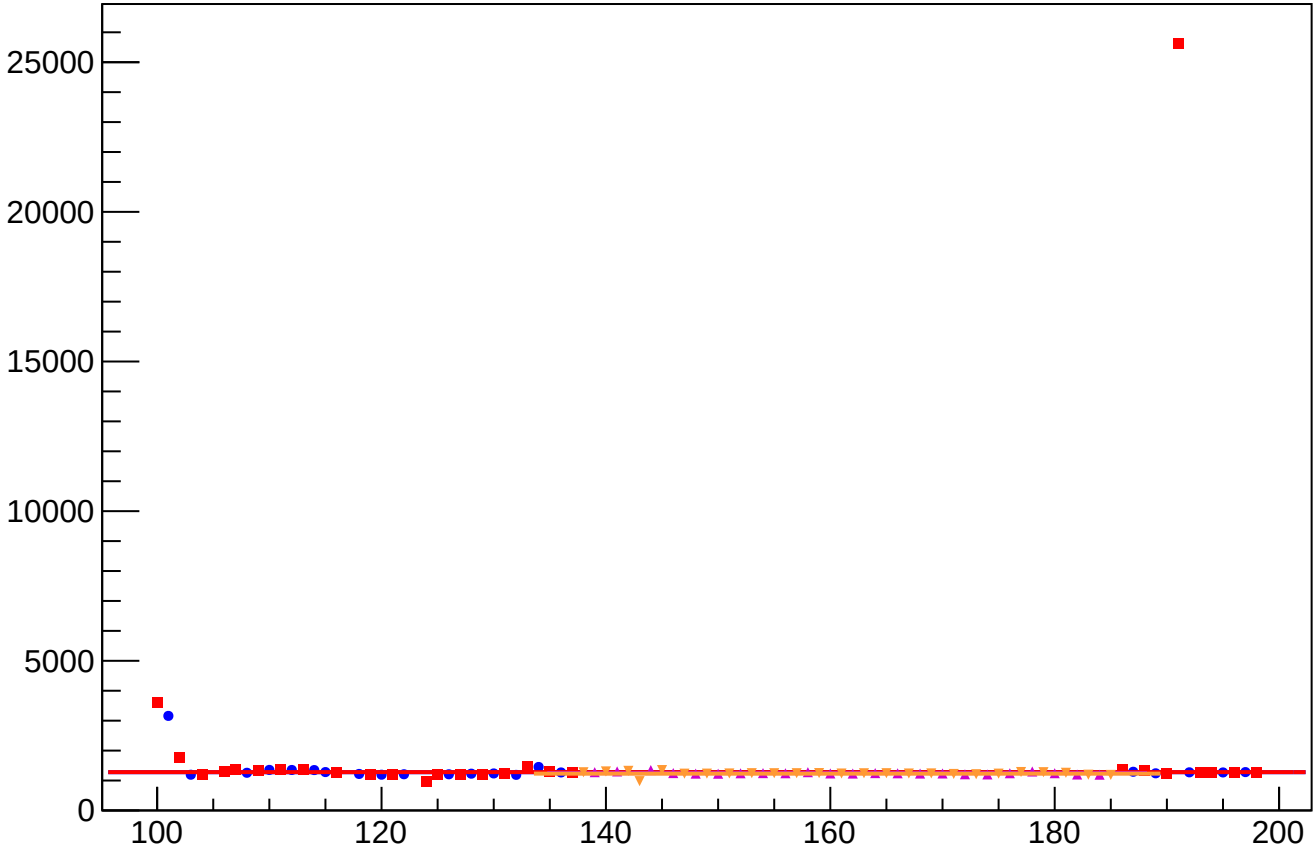
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -76.847+/-228.706 χ^2/NDF: 45.0/45

All: 101.159+/-161.468 χ^2/NDF: 85.8/95

- sign 278.065+/-227.998 χ^2/NDF: 39.6/49

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1277.765+/-0.280 χ^2/NDF: 508257.4/20

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

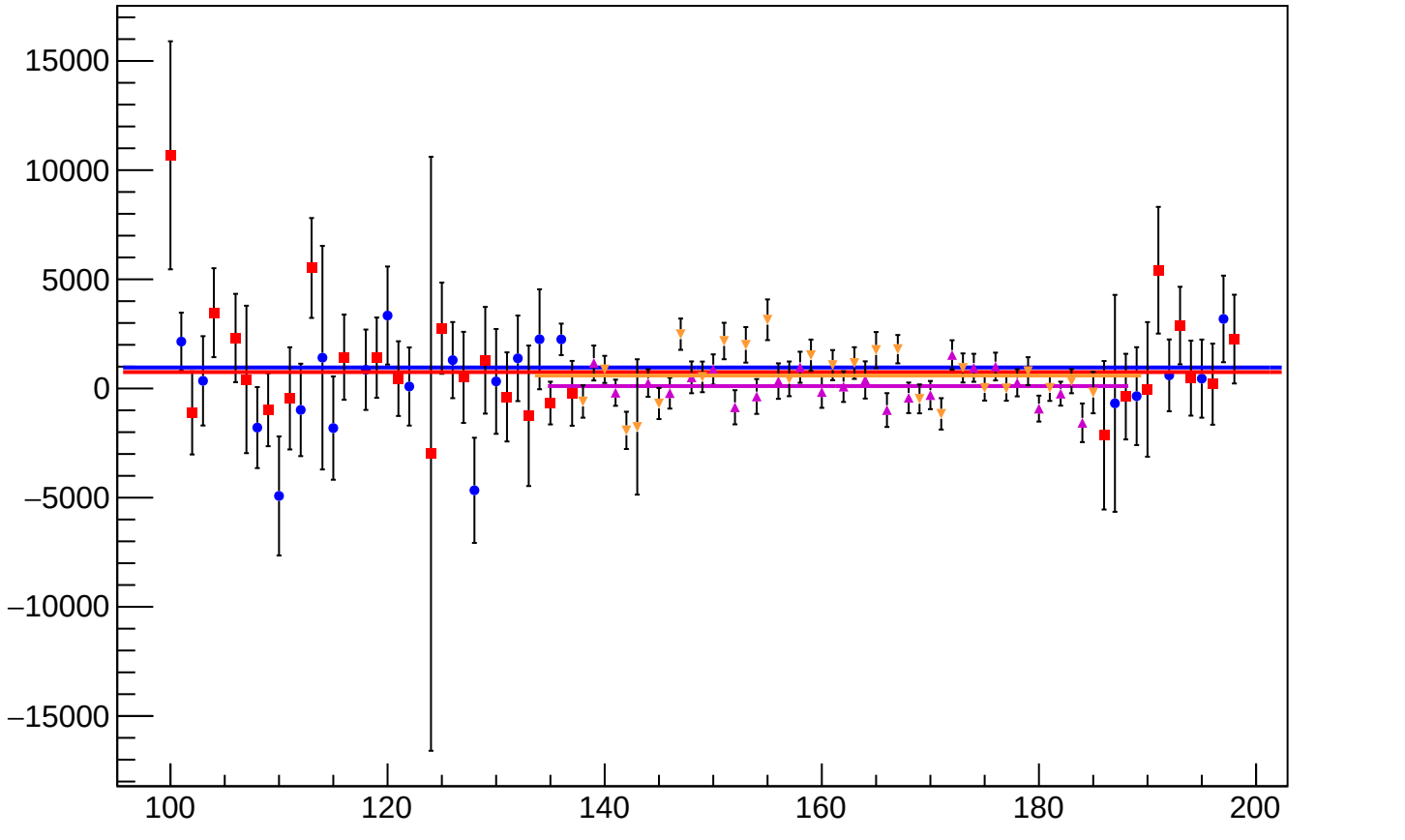
Right Out: 1280.723+/-0.259 χ^2/NDF: 368645.7/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1245.871+/-0.162 χ^2/NDF: 669235.6/45

All: 1253.242+/-0.114 χ^2/NDF: 1079276.7/95

- sign 1260.567+/-0.161 χ^2/NDF: 405899.0/49



Right In: 962.299+/-386.133 χ^2/NDF: 22.3/20

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

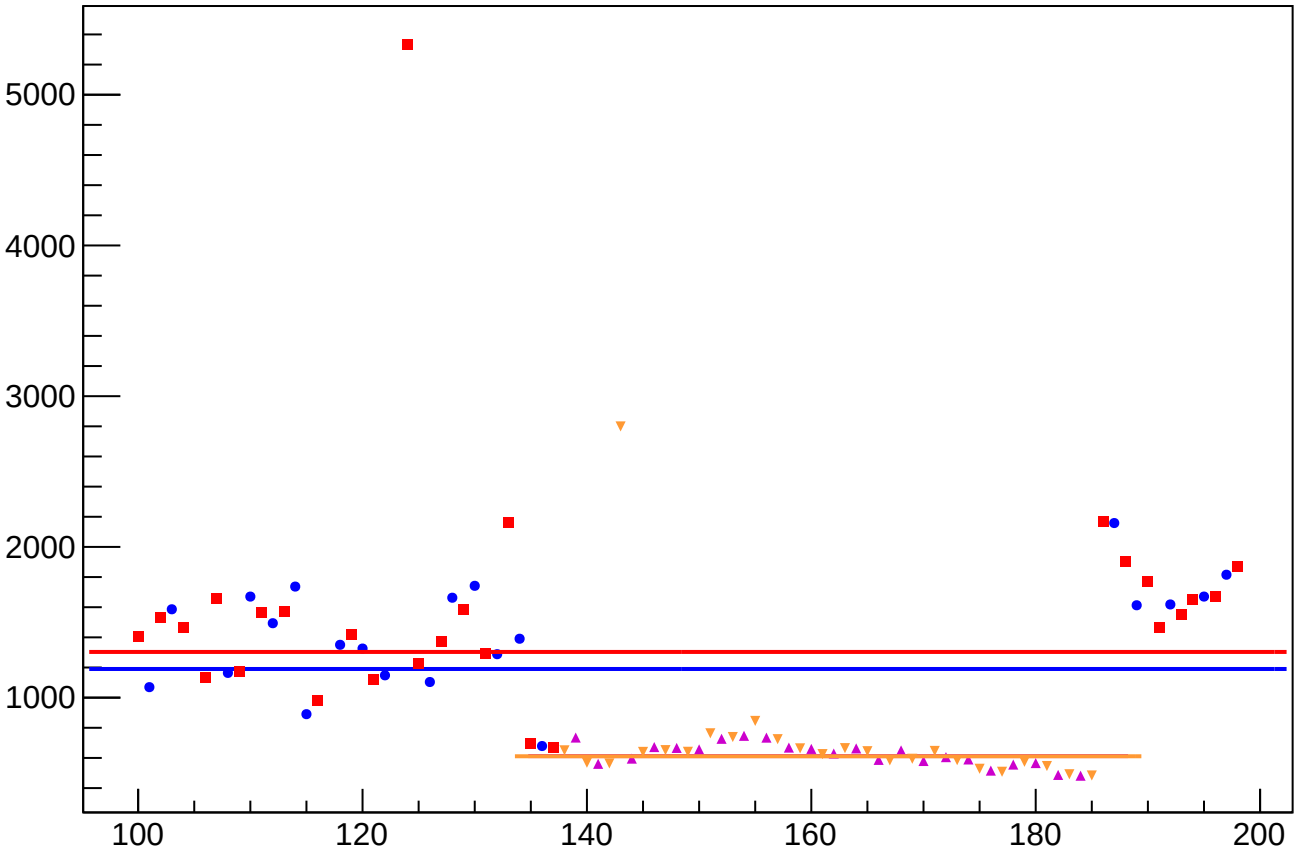
Right Out: 751.637+/-384.992 χ^2/NDF: 23.0/26

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

\+ sign 638.827+/-133.382 χ^2/NDF: 80.4/45

All: 416.829+/-94.905 χ^2/NDF: 137.2/95

\- sign 189.192+/-135.065 χ^2/NDF: 51.2/49



Right In: 1190.188+/-0.273 χ^2/NDF: 2112242.6/20

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1303.256+/-0.272 χ^2/NDF: 2433626.0/26

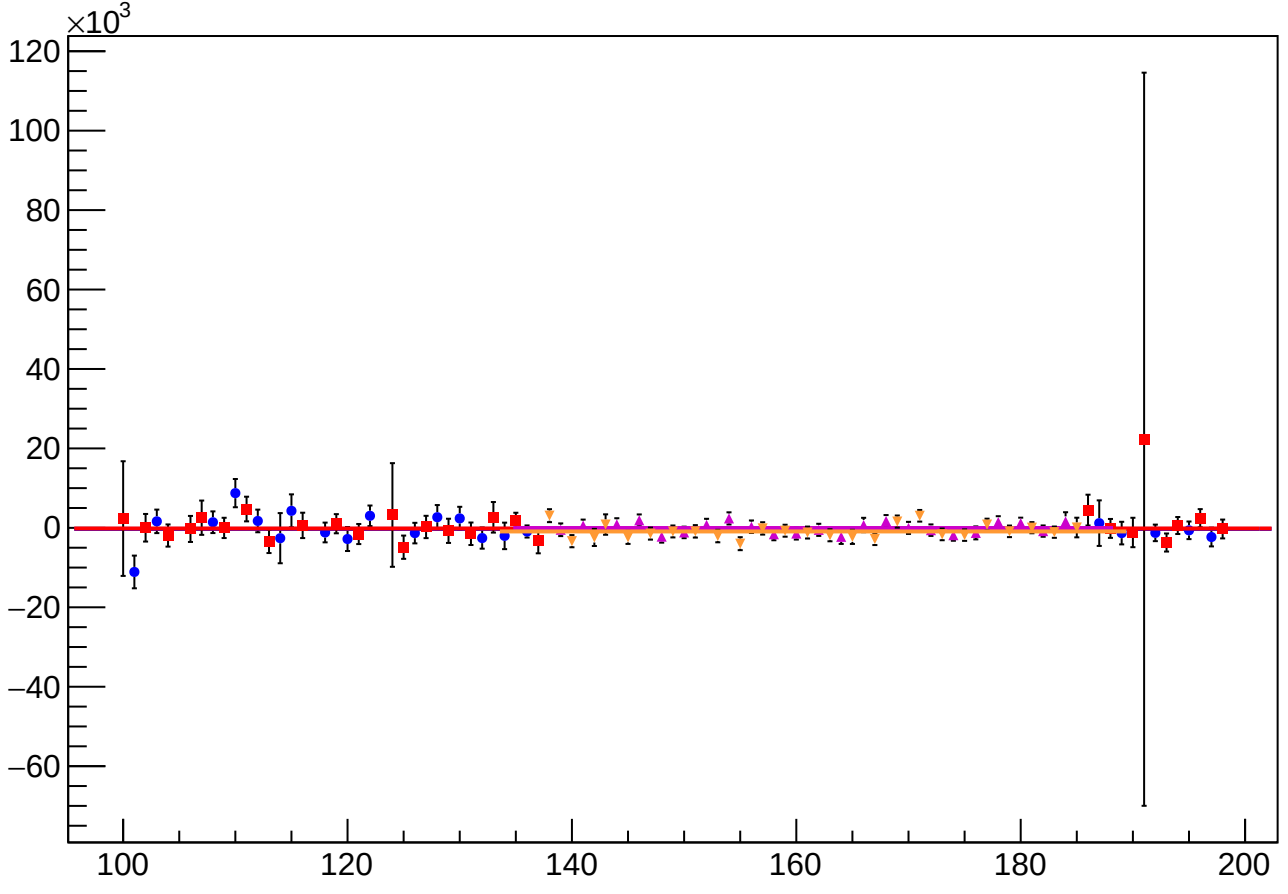
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 680.186+/-0.094 χ^2/NDF: 7693281.0/45

All: 688.699+/-0.067 χ^2/NDF: 16299612.6/95

- sign 697.428+/-0.096 χ^2/NDF: 8589830.3/49

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -267.405+/-596.131 χ^2/NDF: 22.8/20

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -164.802+/-564.435 χ^2/NDF: 15.7/26

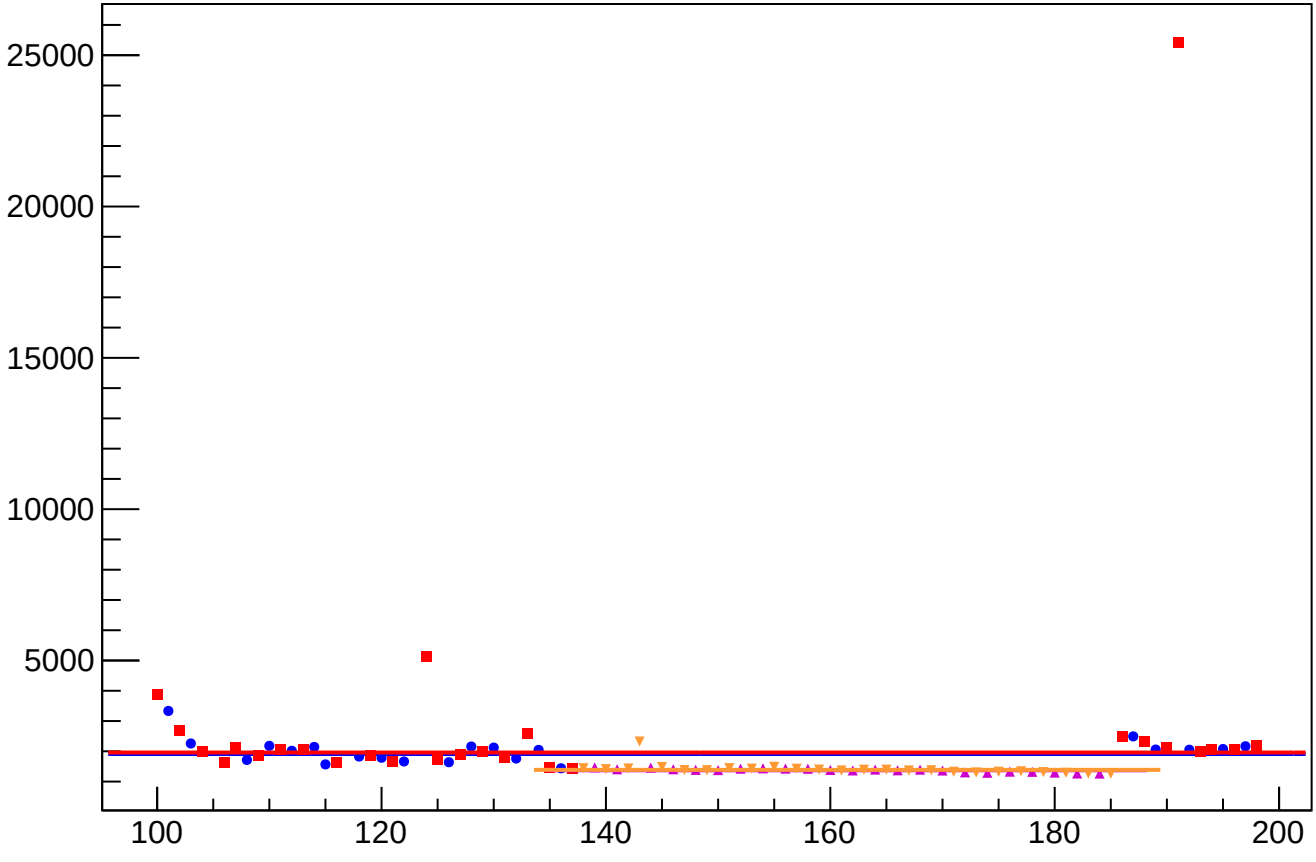
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -760.848+/-279.509 χ^2/NDF: 53.5/45

All: -418.118+/-197.457 χ^2/NDF: 90.1/95

- sign -76.670+/-278.985 χ^2/NDF: 33.6/49

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1911.160+/-0.422 χ^2/NDF: 647330.7/20

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

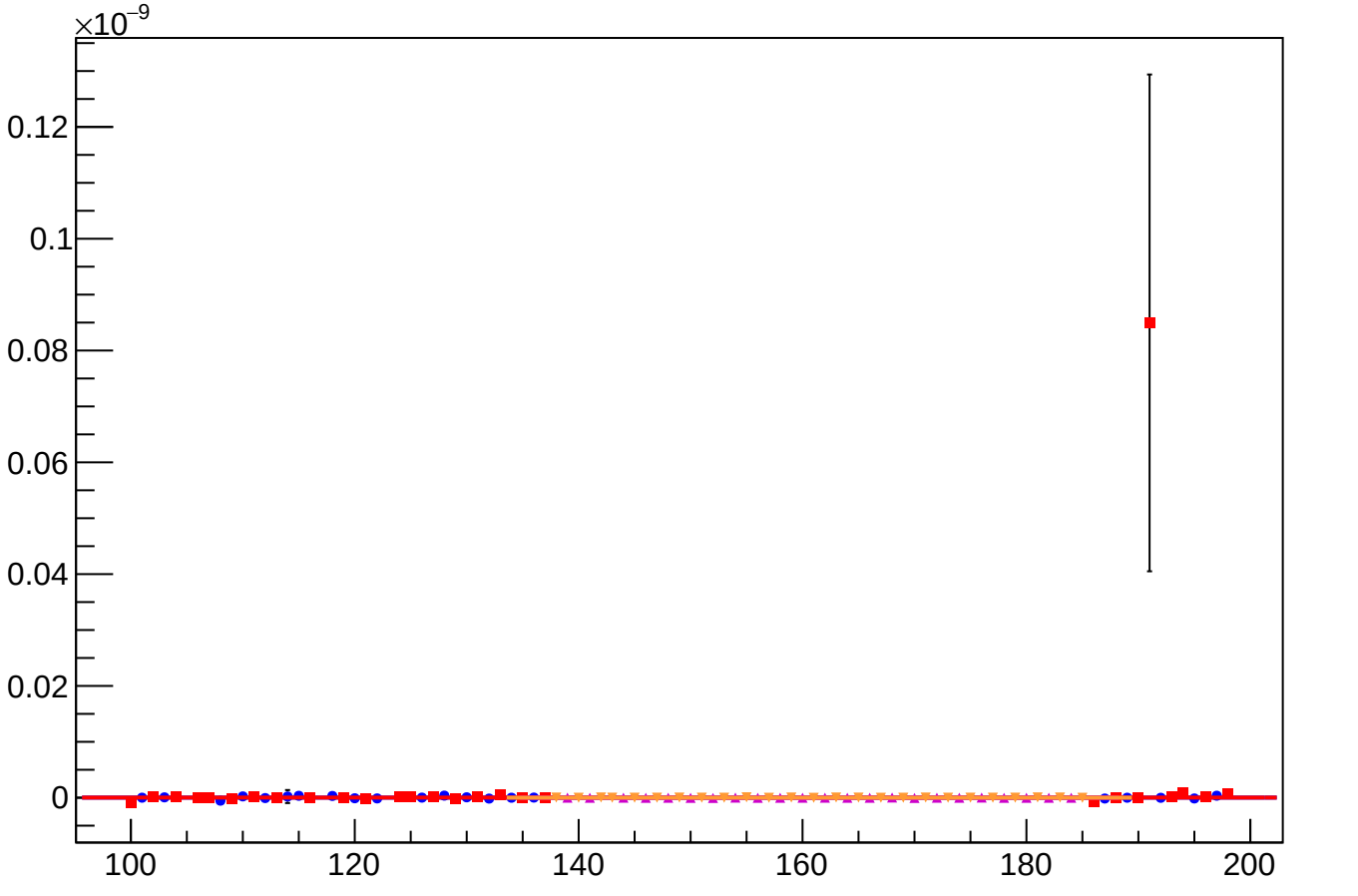
Right Out: 1959.803+/-0.399 χ^2/NDF: 809243.5/26

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1502.111+/-0.198 χ^2/NDF: 2194153.7/45

All: 1509.331+/-0.140 χ^2/NDF: 4702891.7/95

- sign 1516.525+/-0.197 χ^2/NDF: 2506073.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

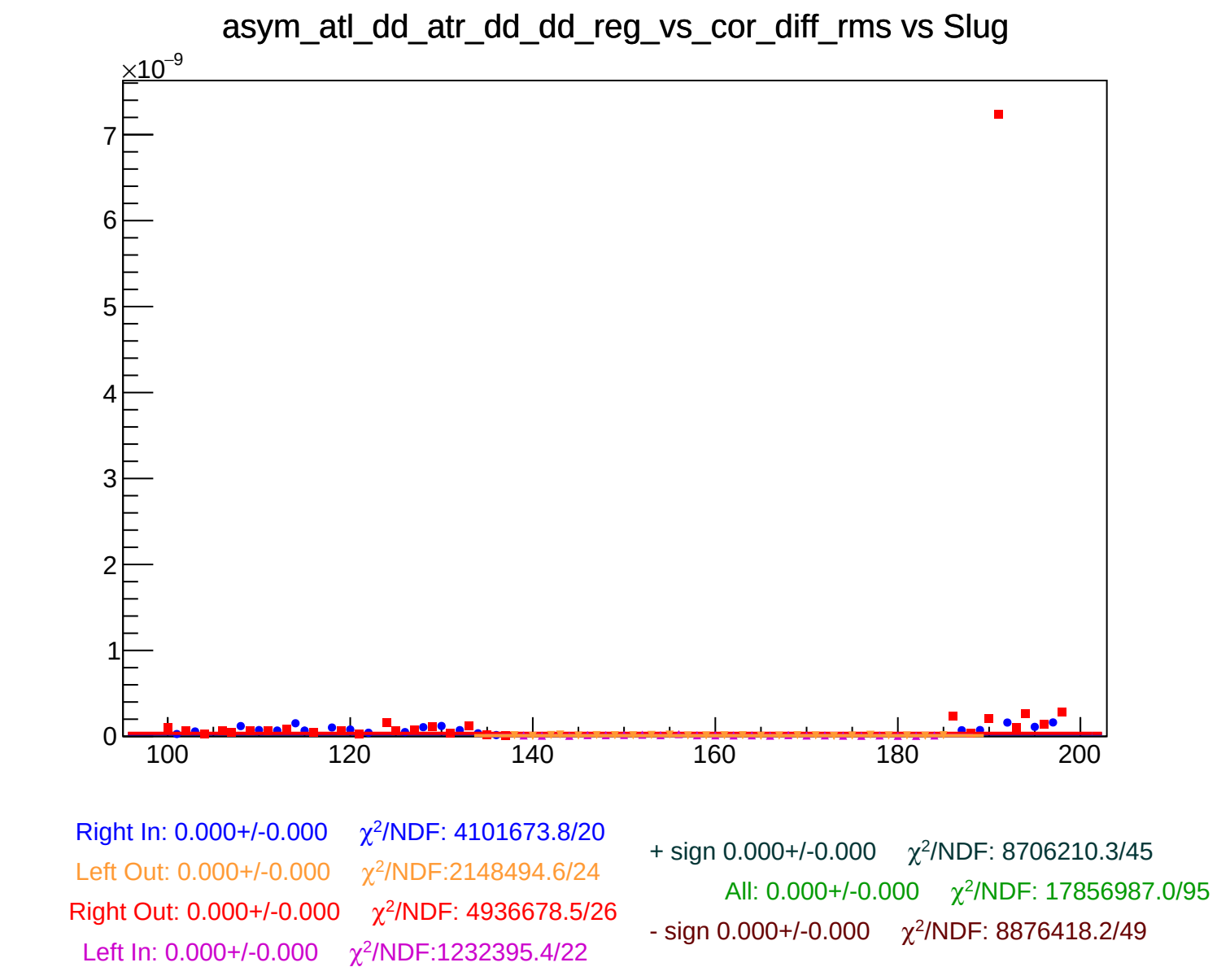
Right Out: 0.000+/-0.000 χ^2/NDF: 42.5/26

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

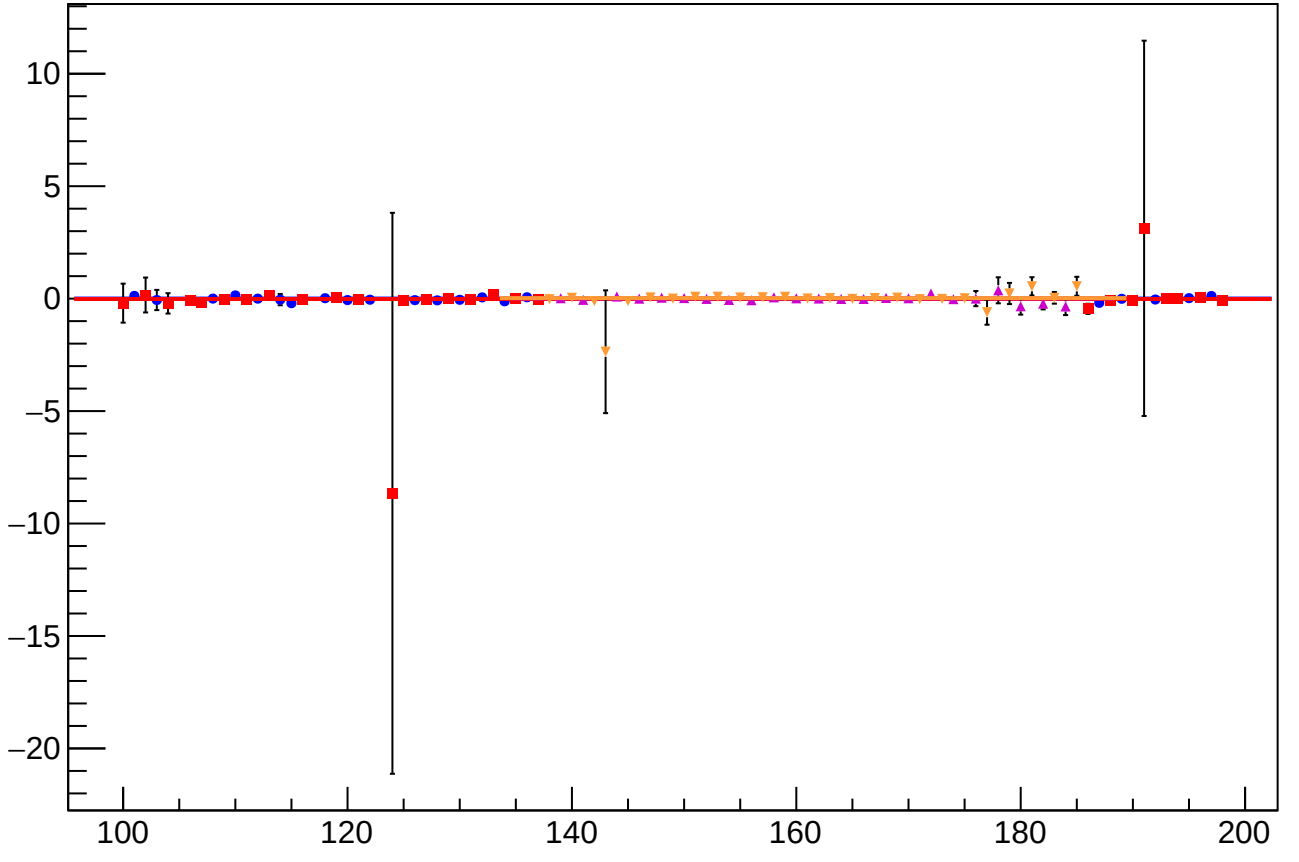
+ sign 0.000+/-0.000 χ^2/NDF: 44.4/45

All: 0.000+/-0.000 χ^2/NDF: 102.5/95

- sign -0.000+/-0.000 χ^2/NDF: 57.4/49


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4101673.8/20
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 4936678.5/26
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 8706210.3/45
All: 0.000+/-0.000 χ²/NDF: 17856987.0/95
- sign 0.000+/-0.000 χ²/NDF: 8876418.2/49

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

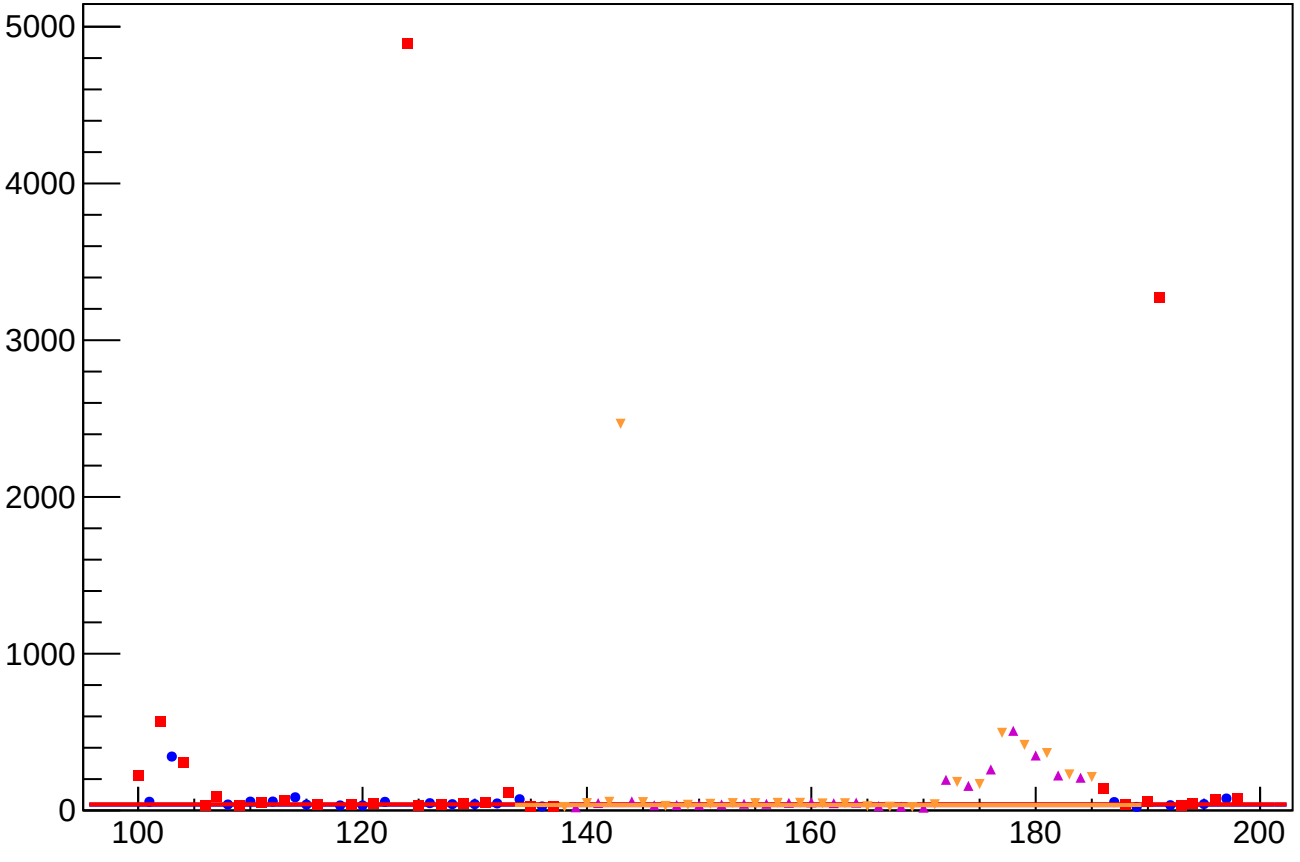
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.0/45

All: 0.008+/-0.006 χ^2/NDF: 89.6/95

- sign 0.000+/-0.008 χ^2/NDF: 38.7/49

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

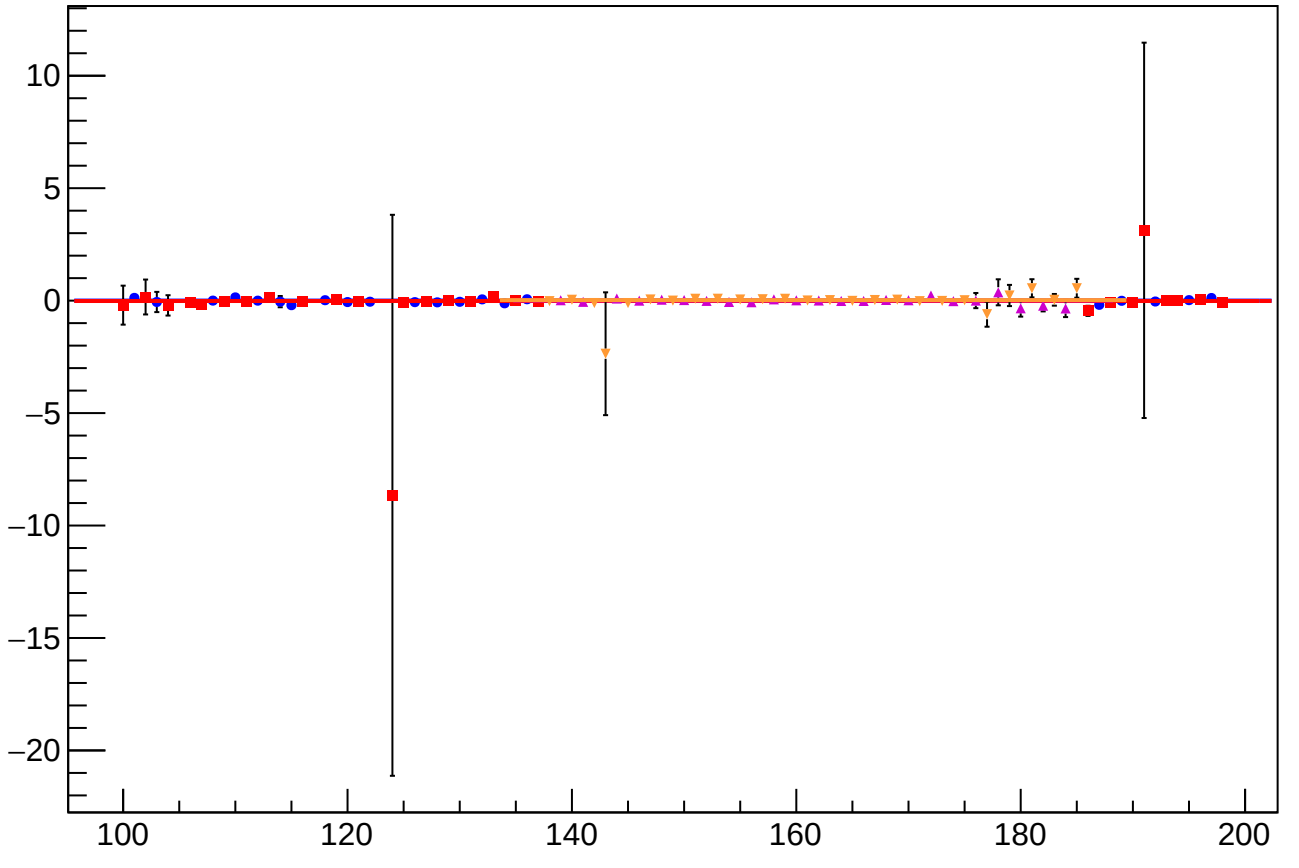
Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.408+/-0.006 χ^2/NDF: 14104653.9/45

All: 35.543+/-0.004 χ^2/NDF: 29113212.6/95

- sign 35.674+/-0.006 χ^2/NDF: 15007457.4/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

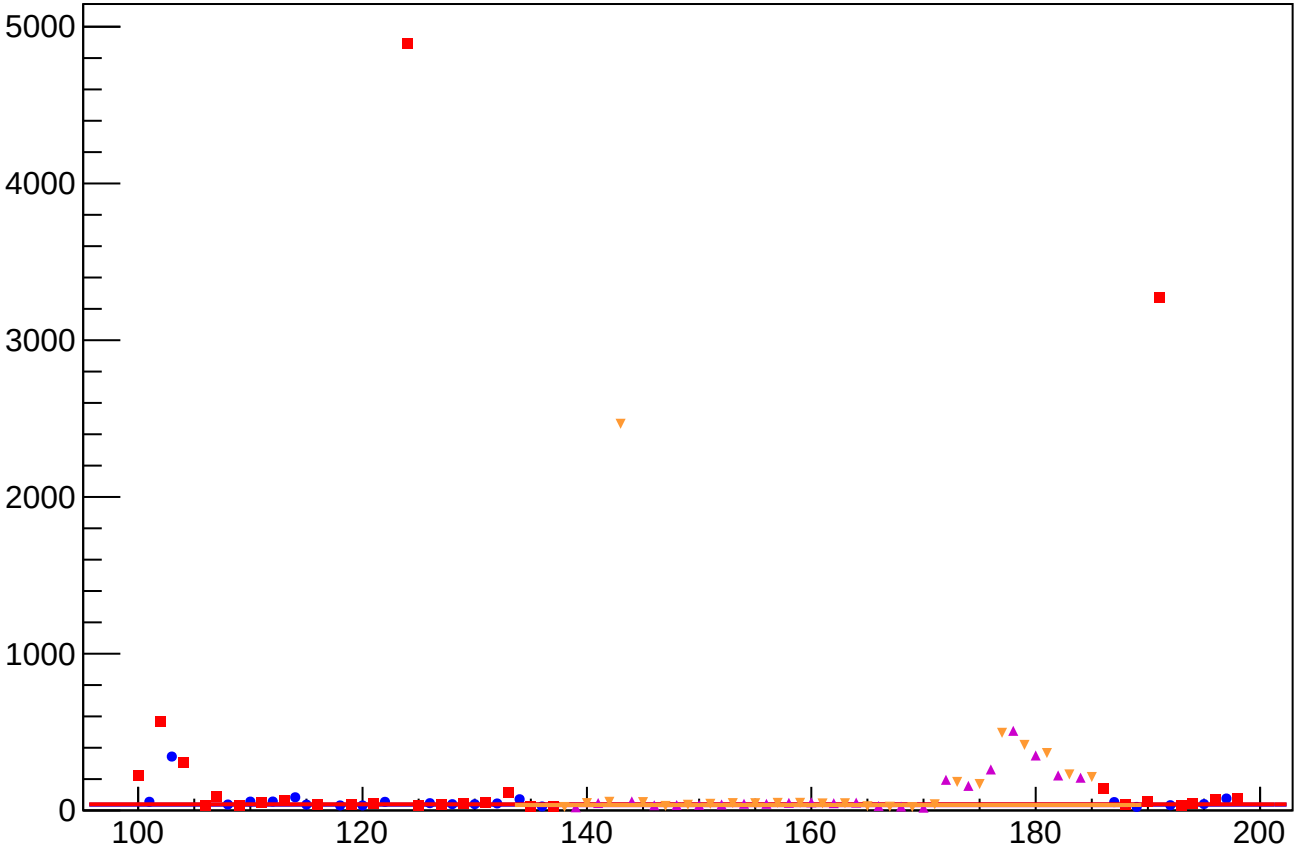
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.0/45

All: 0.008+/-0.006 χ^2/NDF: 89.6/95

- sign 0.000+/-0.008 χ^2/NDF: 38.7/49

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

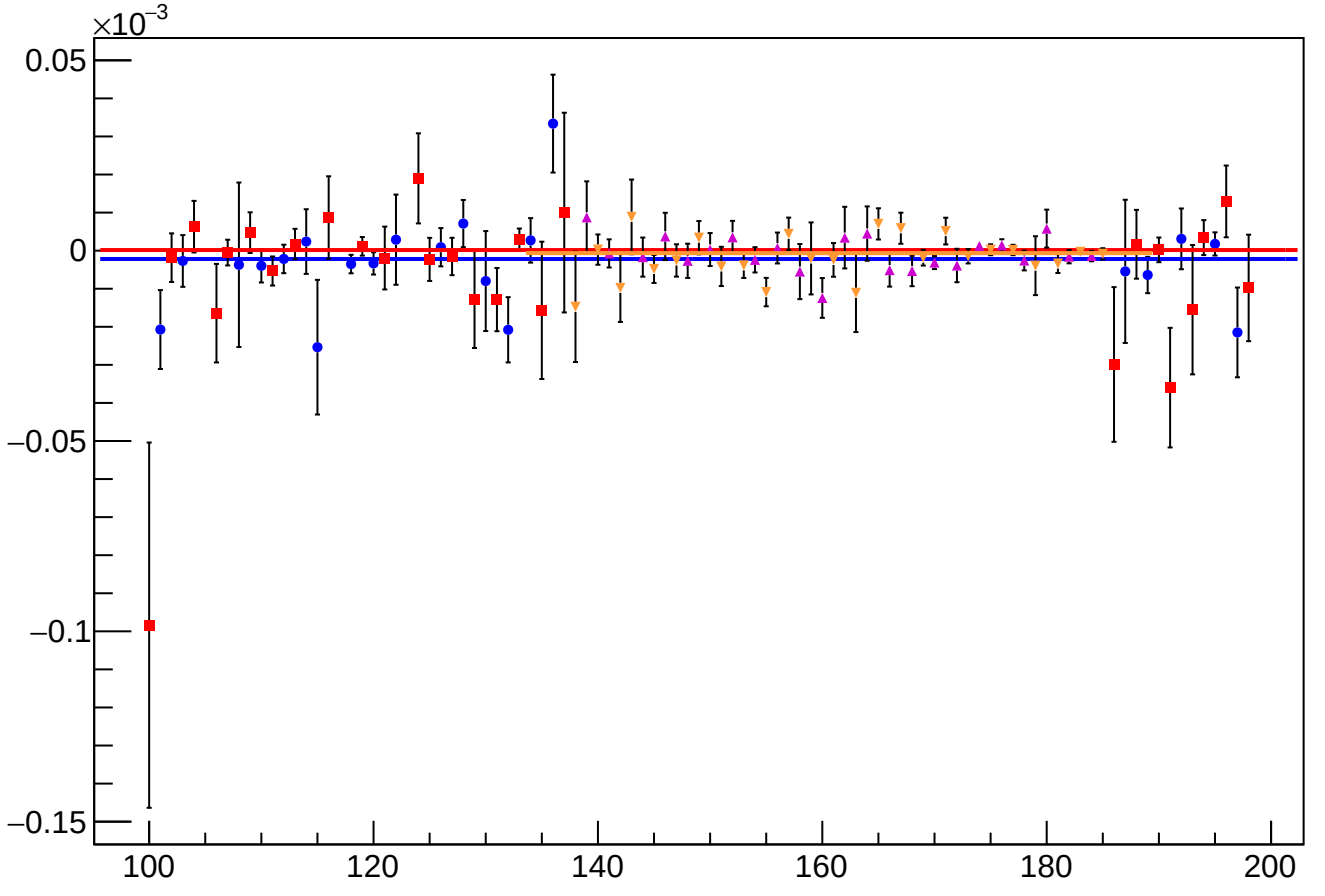
Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.408+/-0.006 χ^2/NDF: 14104653.9/45

All: 35.543+/-0.004 χ^2/NDF: 29113212.6/95

\- sign 35.674+/-0.006 χ^2/NDF: 15007457.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

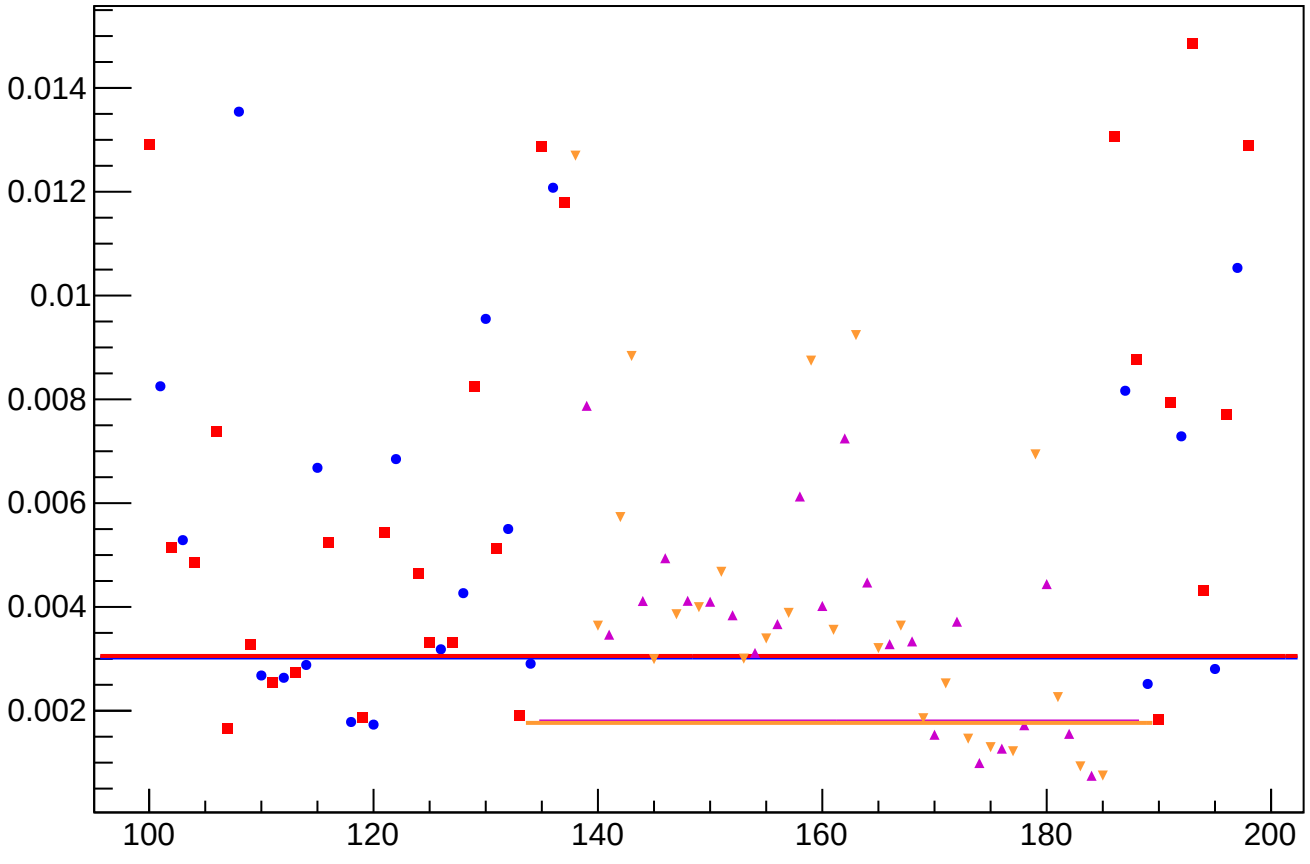
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/45

All: -0.000+/-0.000 χ^2/NDF: 110.3/95

- sign -0.000+/-0.000 χ^2/NDF: 52.5/49



Right In: 0.003+/-0.000 χ^2/NDF: 5742320.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

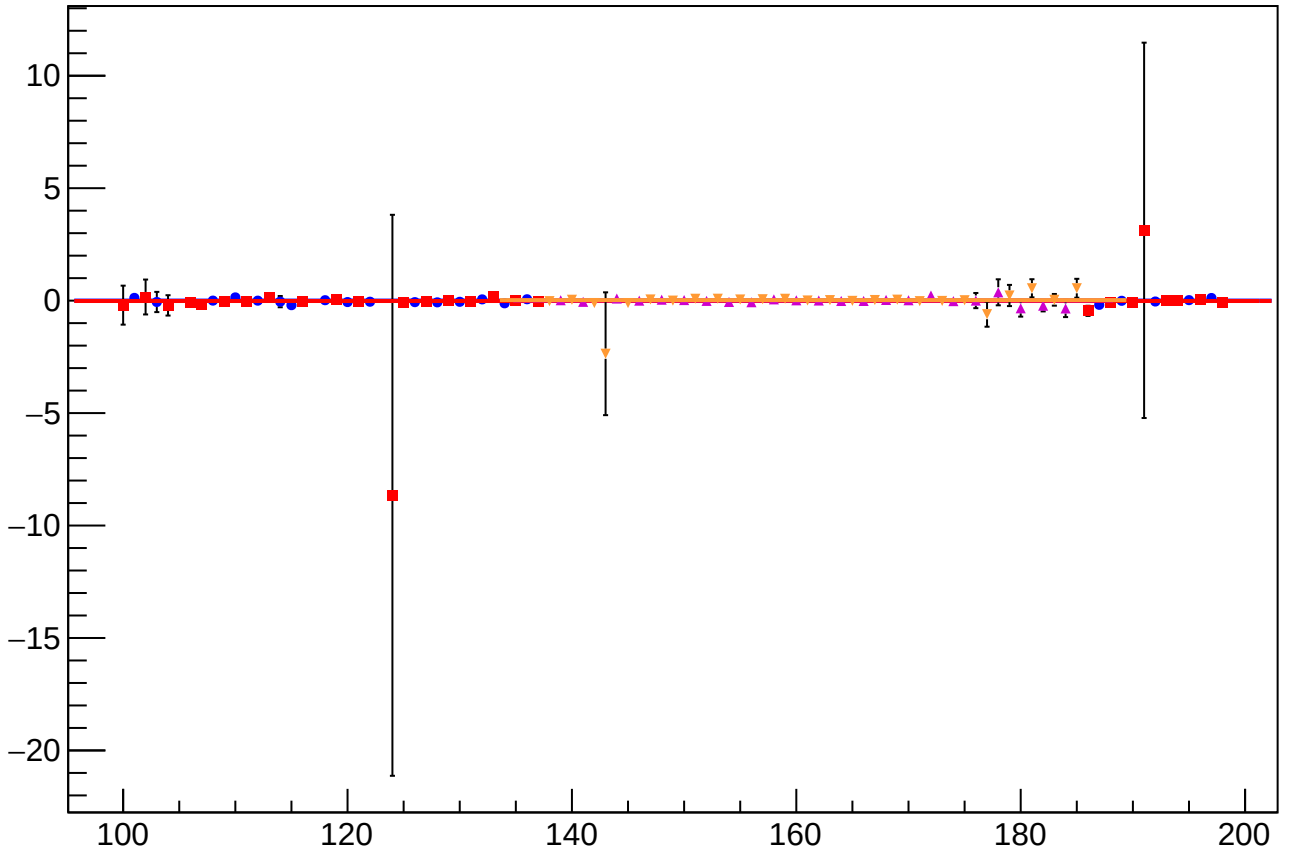
Right Out: 0.003+/-0.000 χ^2/NDF: 7780464.4/26

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 20690319.3/45

All: 0.002+/-0.000 χ^2/NDF: 41546735.6/95

- sign 0.002+/-0.000 χ^2/NDF: 20825104.4/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

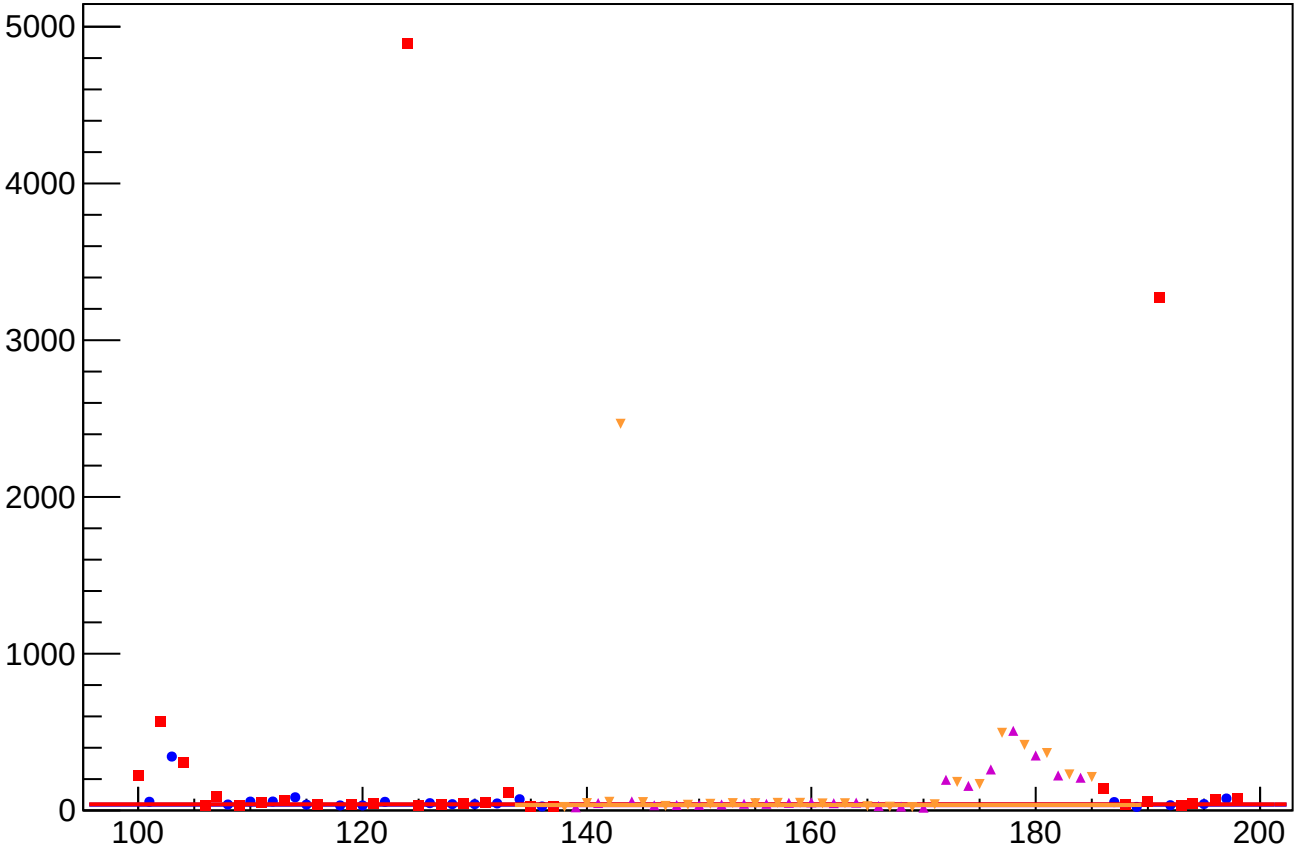
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/45

All: 0.008+/-0.006 χ^2/NDF: 89.6/95

- sign 0.000+/-0.008 χ^2/NDF: 38.7/49

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

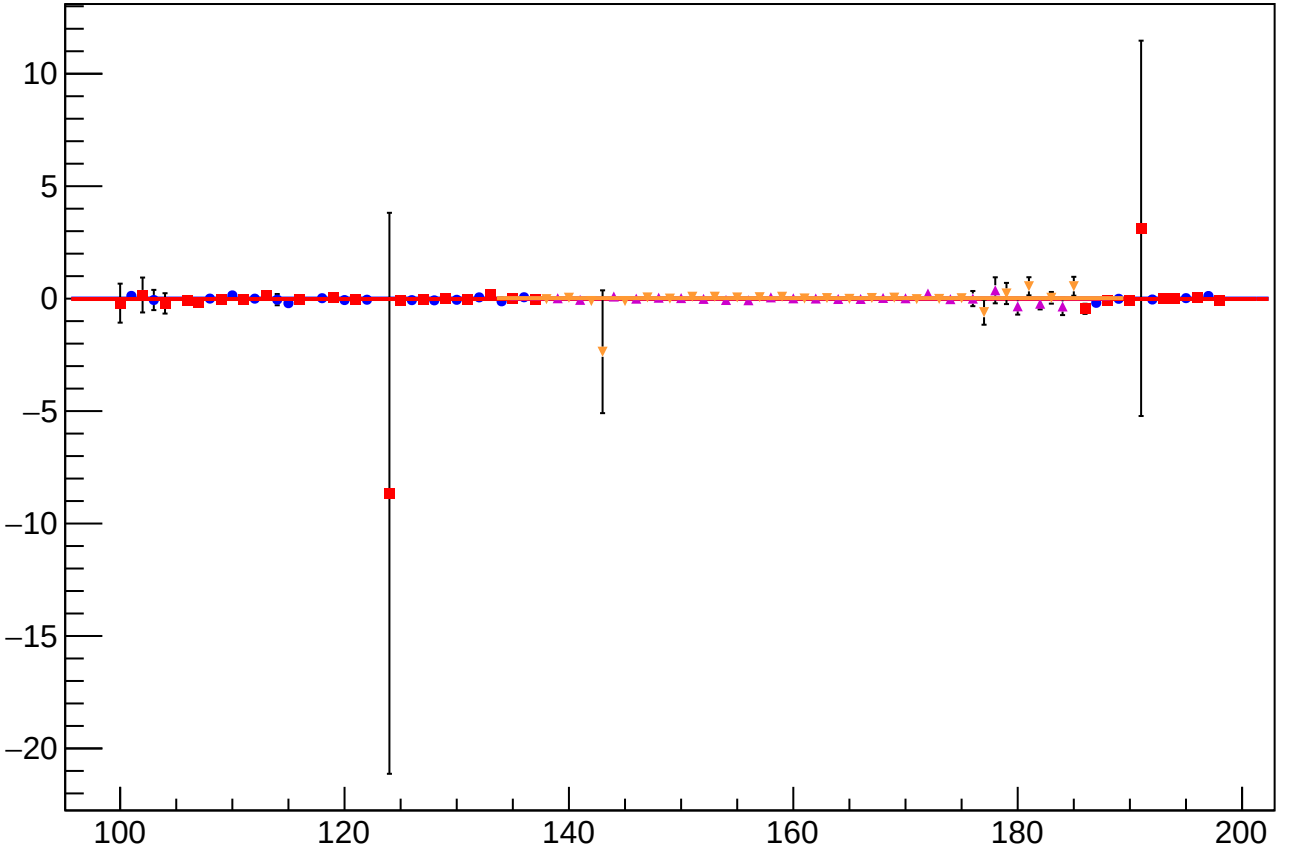
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.408+/-0.006 χ^2/NDF: 14104111.1/45

All: 35.544+/-0.004 χ^2/NDF: 29111019.5/95

\- sign 35.676+/-0.006 χ^2/NDF: 15005793.7/49

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

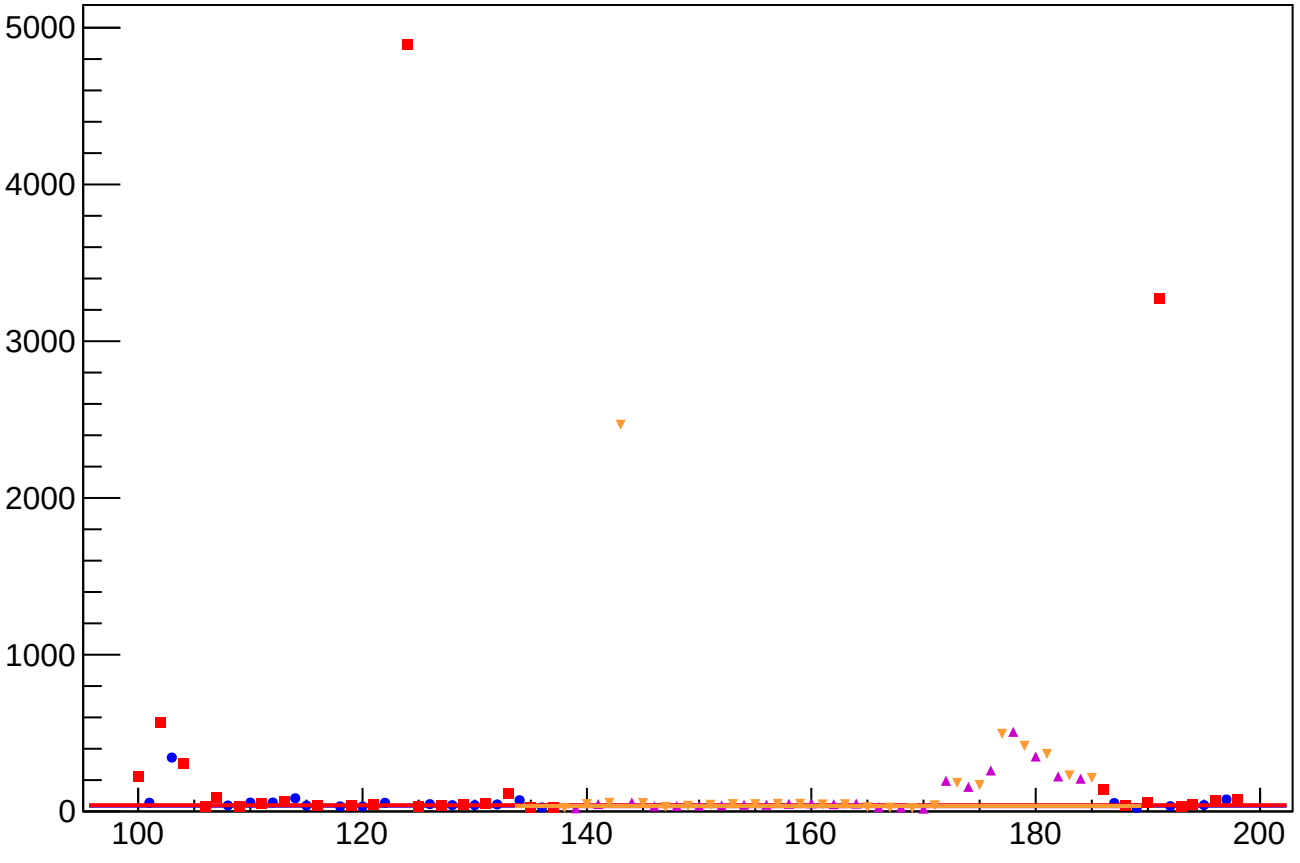
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/45

All: 0.008+/-0.006 χ^2/NDF: 89.6/95

- sign 0.000+/-0.008 χ^2/NDF: 38.7/49



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

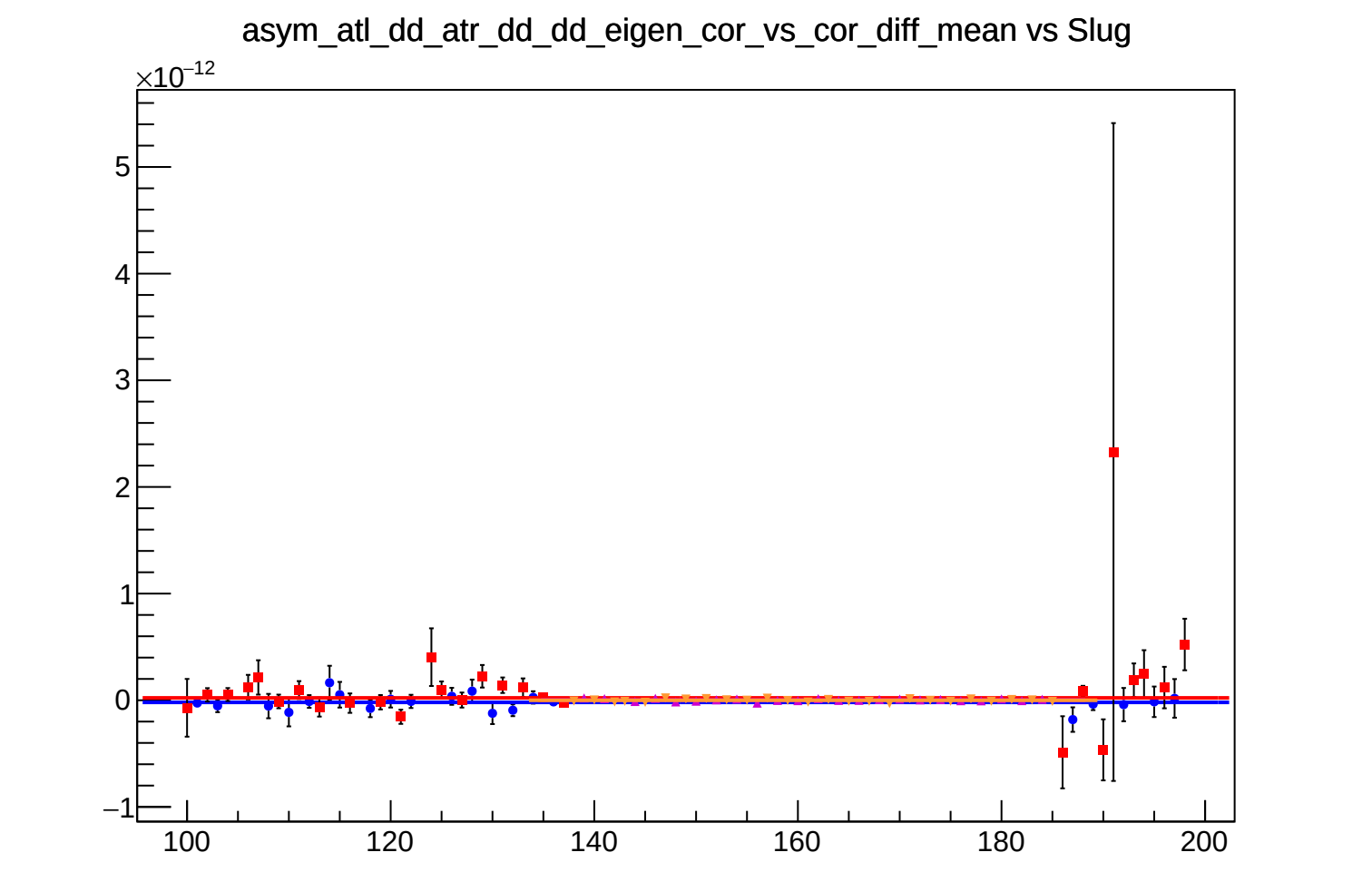
Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.408+/-0.006 χ^2/NDF: 14104111.1/45

All: 35.544+/-0.004 χ^2/NDF: 29111019.5/95

- sign 35.676+/-0.006 χ^2/NDF: 15005793.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

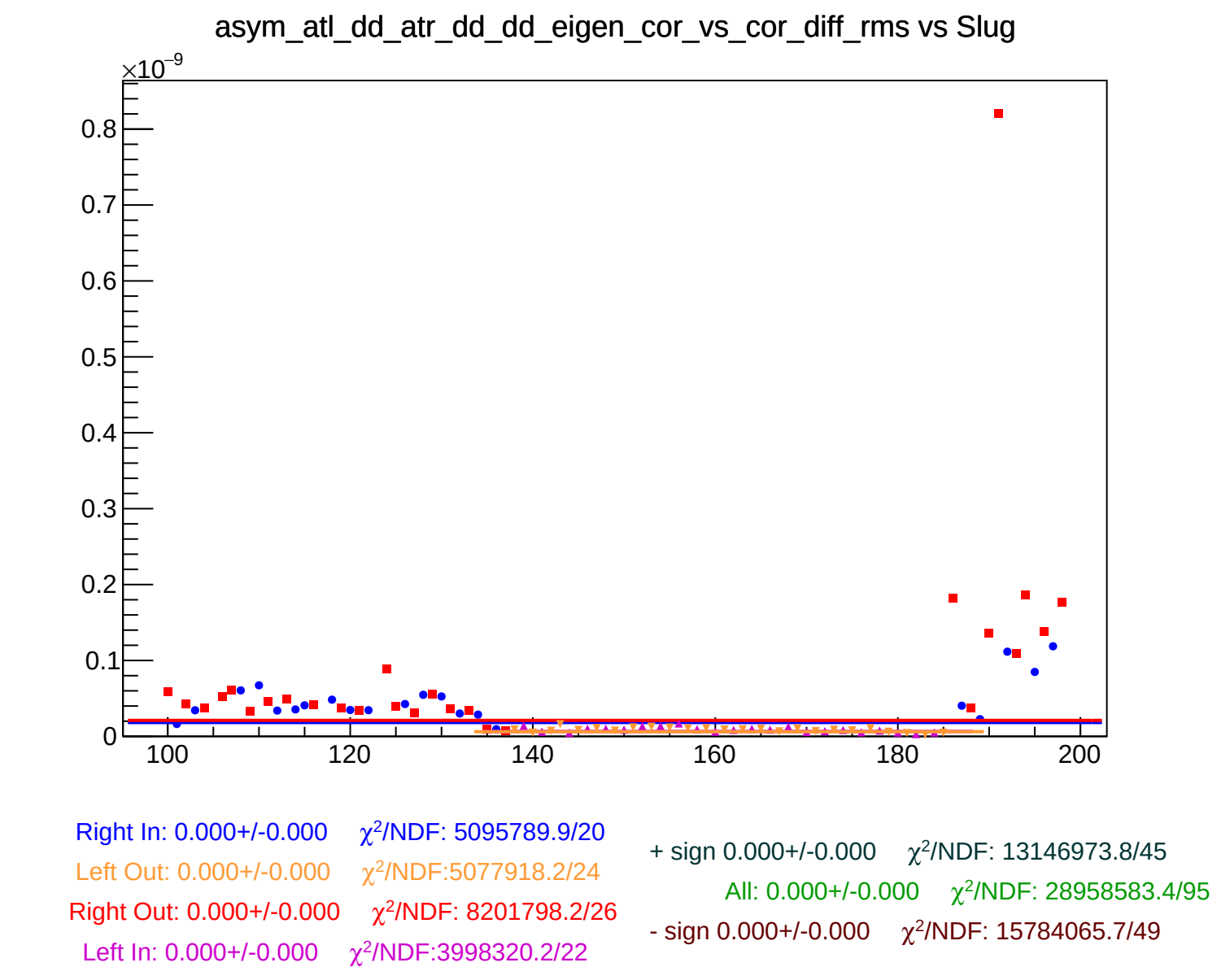
Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/26

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

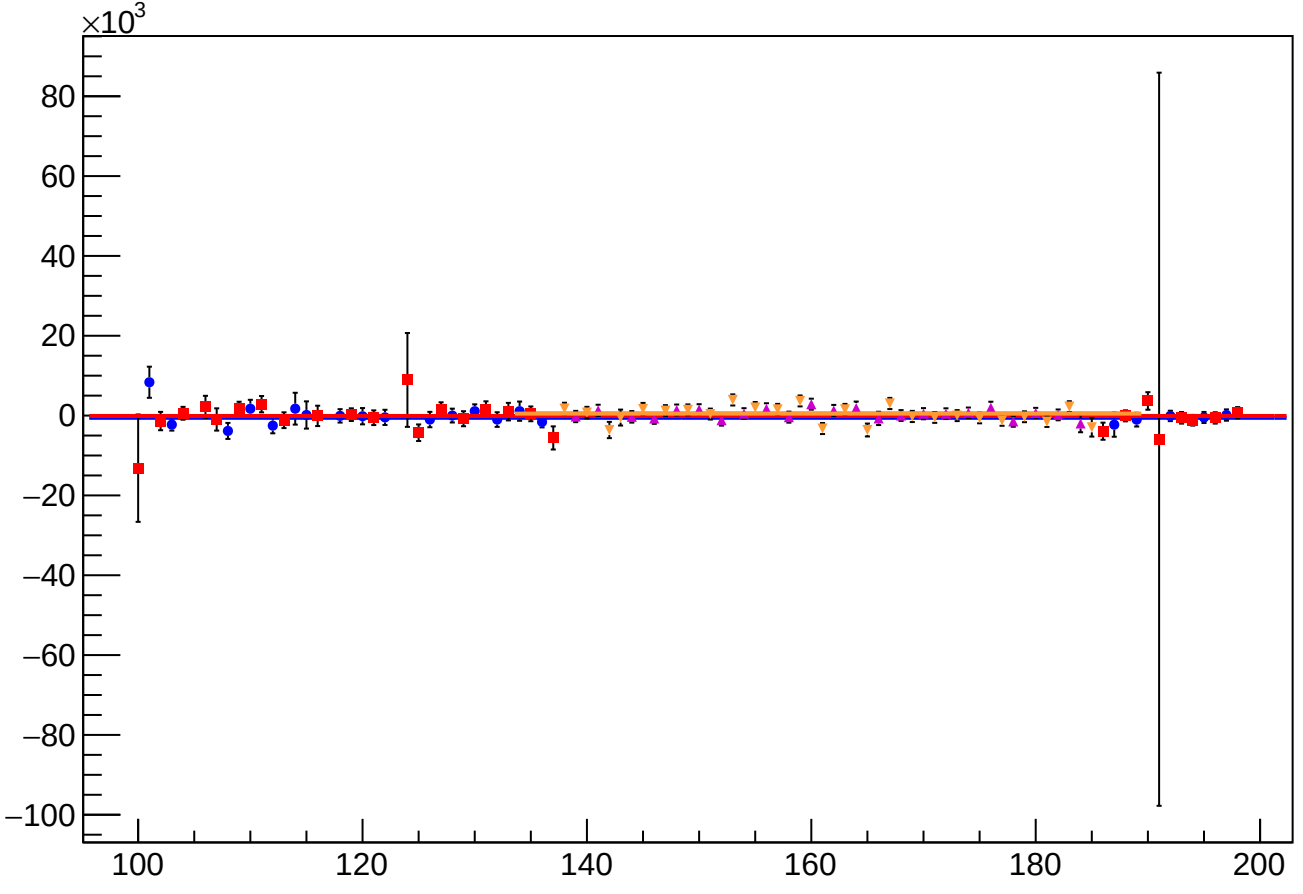
+ sign -0.000+/-0.000 χ^2/NDF: 40.5/45

All: 0.000+/-0.000 χ^2/NDF: 107.1/95

- sign 0.000+/-0.000 χ^2/NDF: 64.8/49


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5095789.9/20
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 8201798.2/26
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
+ sign 0.000+/-0.000 χ²/NDF: 13146973.8/45
All: 0.000+/-0.000 χ²/NDF: 28958583.4/95
- sign 0.000+/-0.000 χ²/NDF: 15784065.7/49

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -554.707+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -94.811+/-372.963 χ^2/NDF: 23.3/26

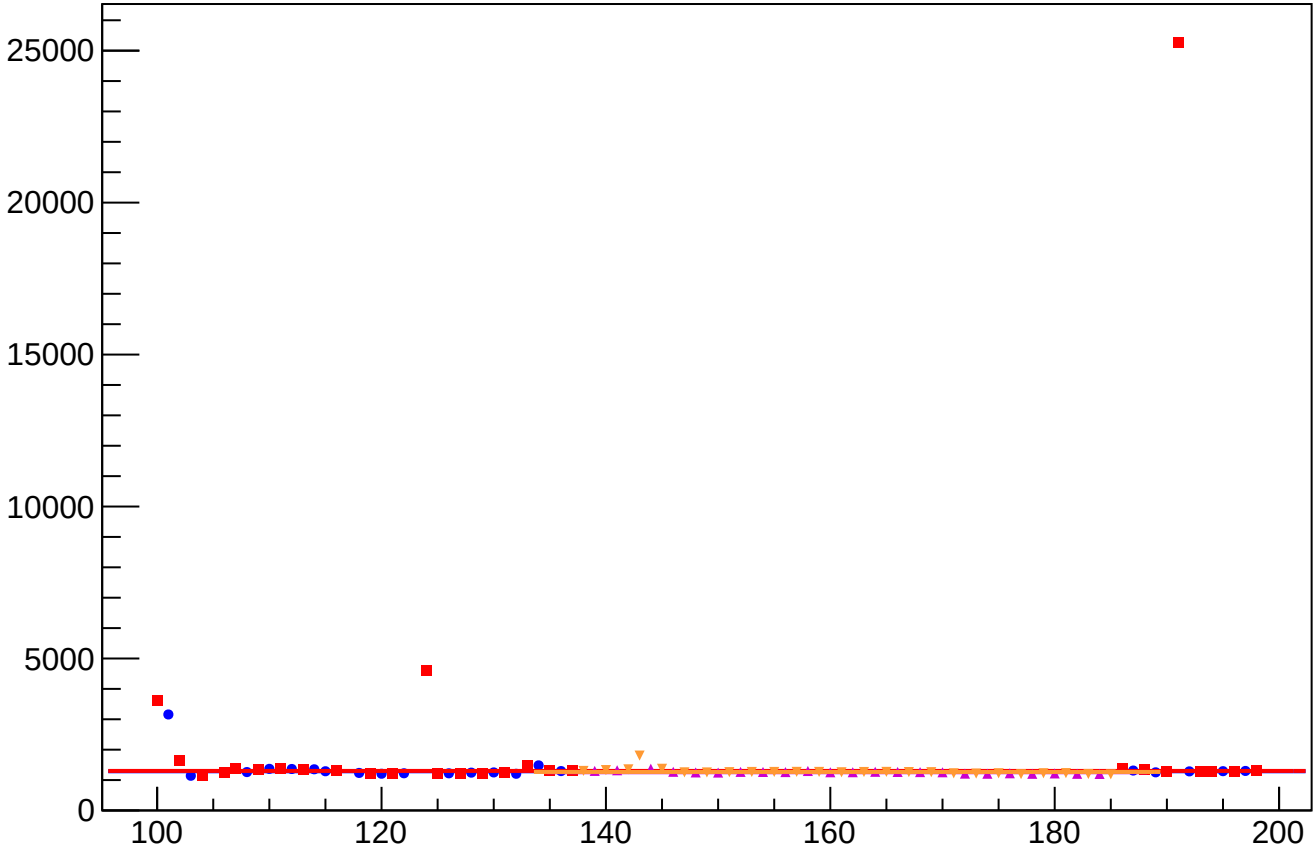
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 134.016+/-234.010 χ^2/NDF: 66.1/45

All: 199.978+/-164.315 χ^2/NDF: 105.5/95

- sign 264.130+/-230.777 χ^2/NDF: 39.2/49

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515758.7/20

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

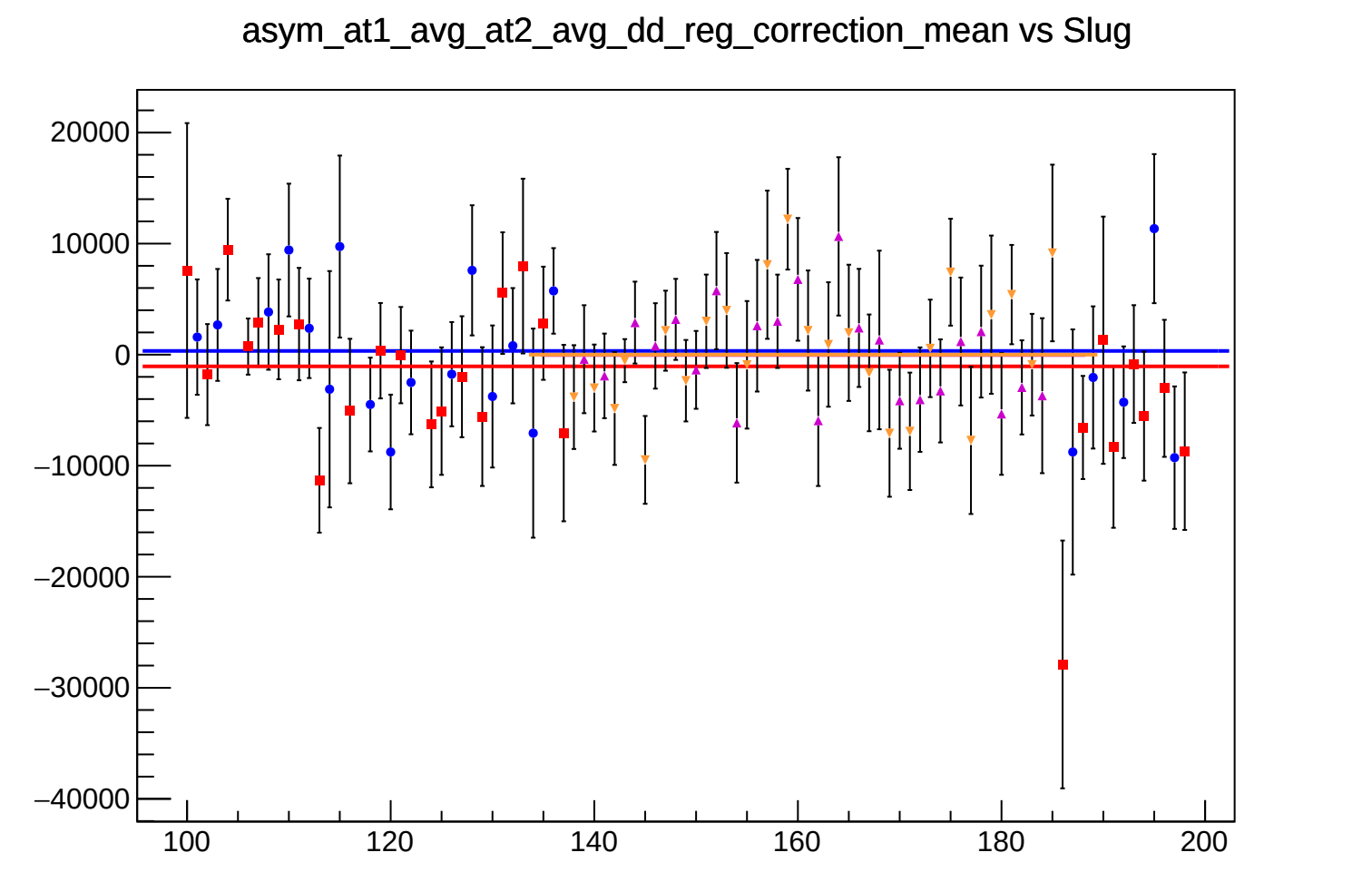
Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707202.5/45

All: 1274.251+/-0.116 χ^2/NDF: 1226358.9/95

- sign 1274.090+/-0.163 χ^2/NDF: 519154.5/49



Right In: 334.878+/-1205.577 χ^2/NDF: 20.8/20

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

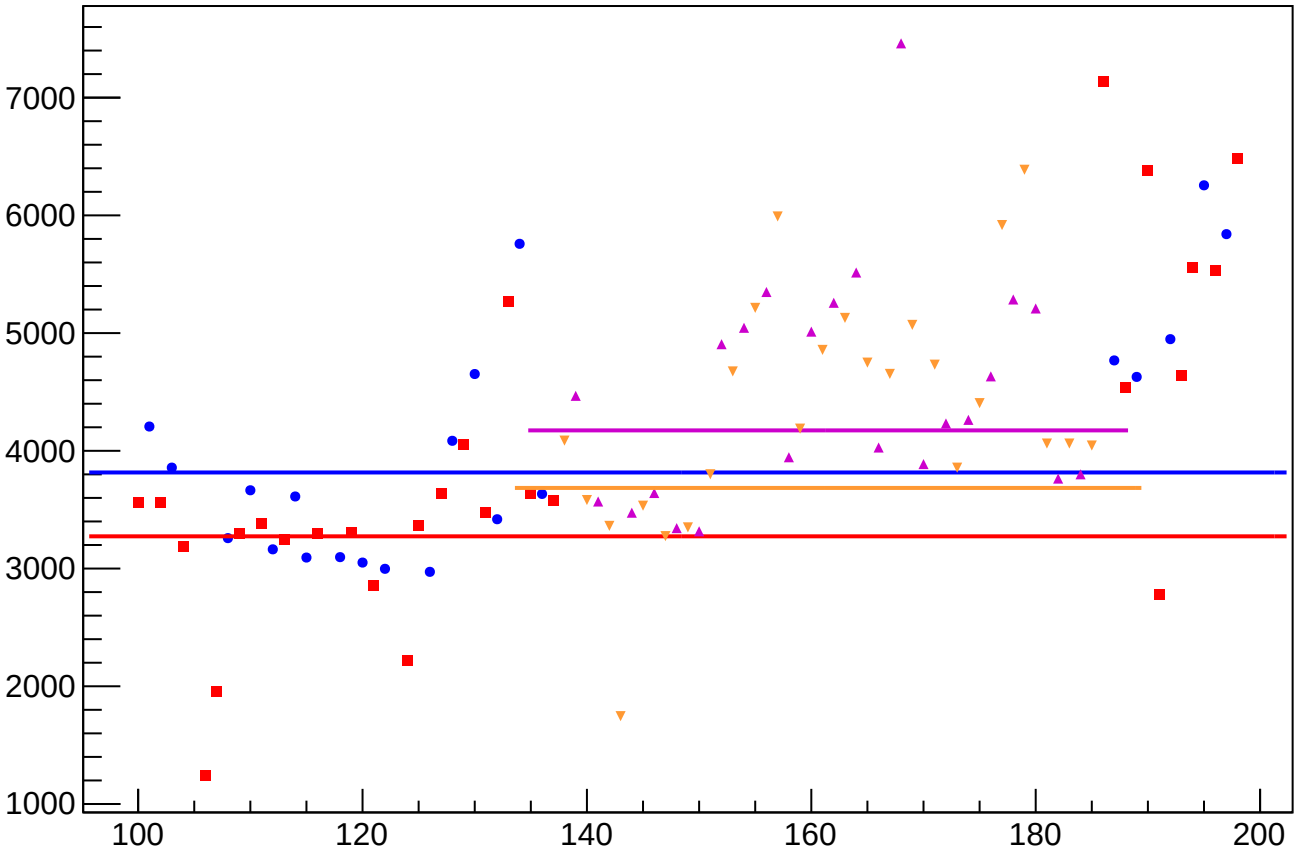
Right Out: -1054.355+/-998.678 χ^2/NDF: 29.5/26

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 117.131+/-714.190 χ^2/NDF: 49.9/45

All: -216.335+/-501.725 χ^2/NDF: 94.4/95

- sign -541.266+/-704.992 χ^2/NDF: 44.1/49



Right In: 3816.131+/-0.852 χ^2/NDF: 1074419.0/20

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

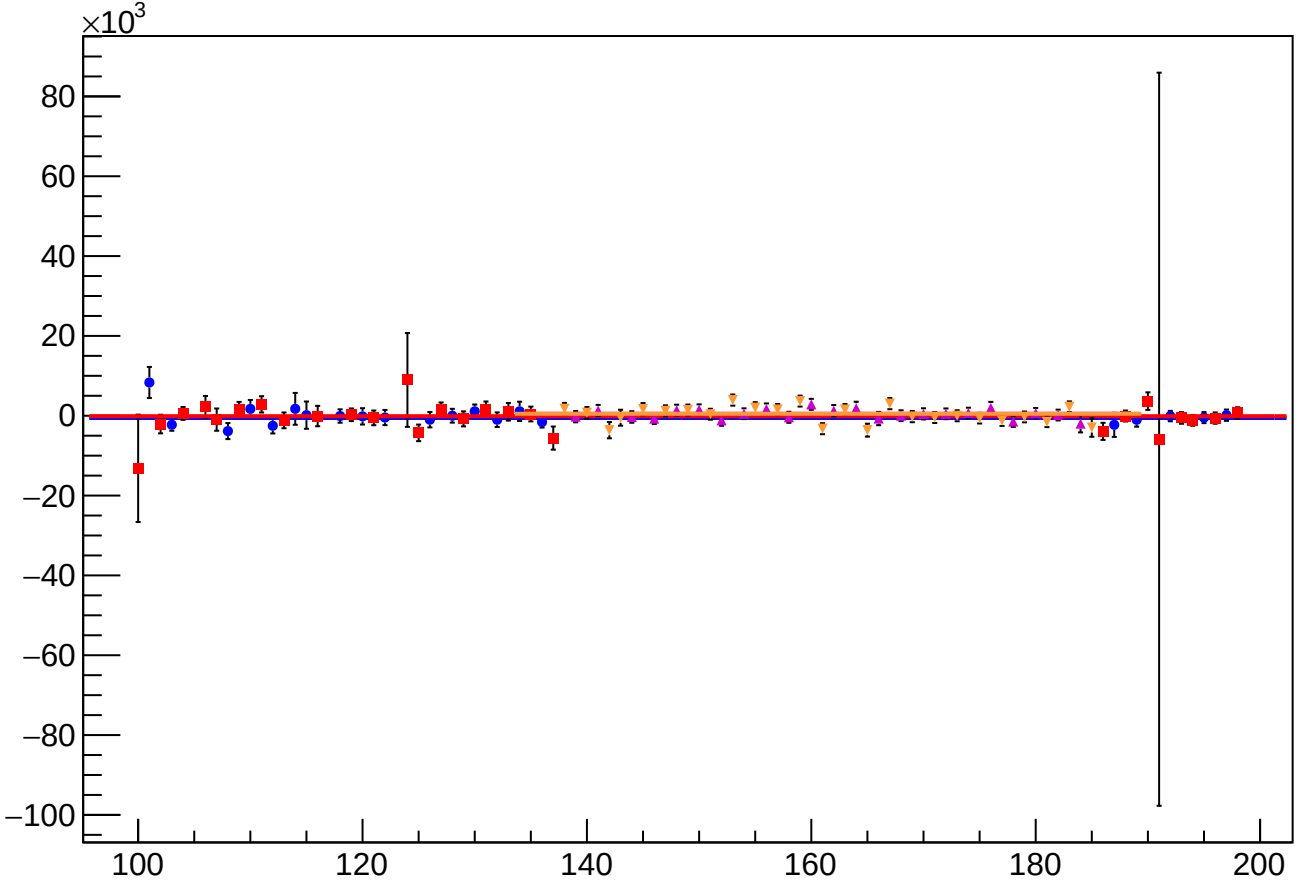
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3730.869+/-0.505 χ^2/NDF: 4783477.7/45

All: 3727.971+/-0.355 χ^2/NDF: 10339661.8/9

- sign 3725.147+/-0.499 χ^2/NDF: 5556119.1/49

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

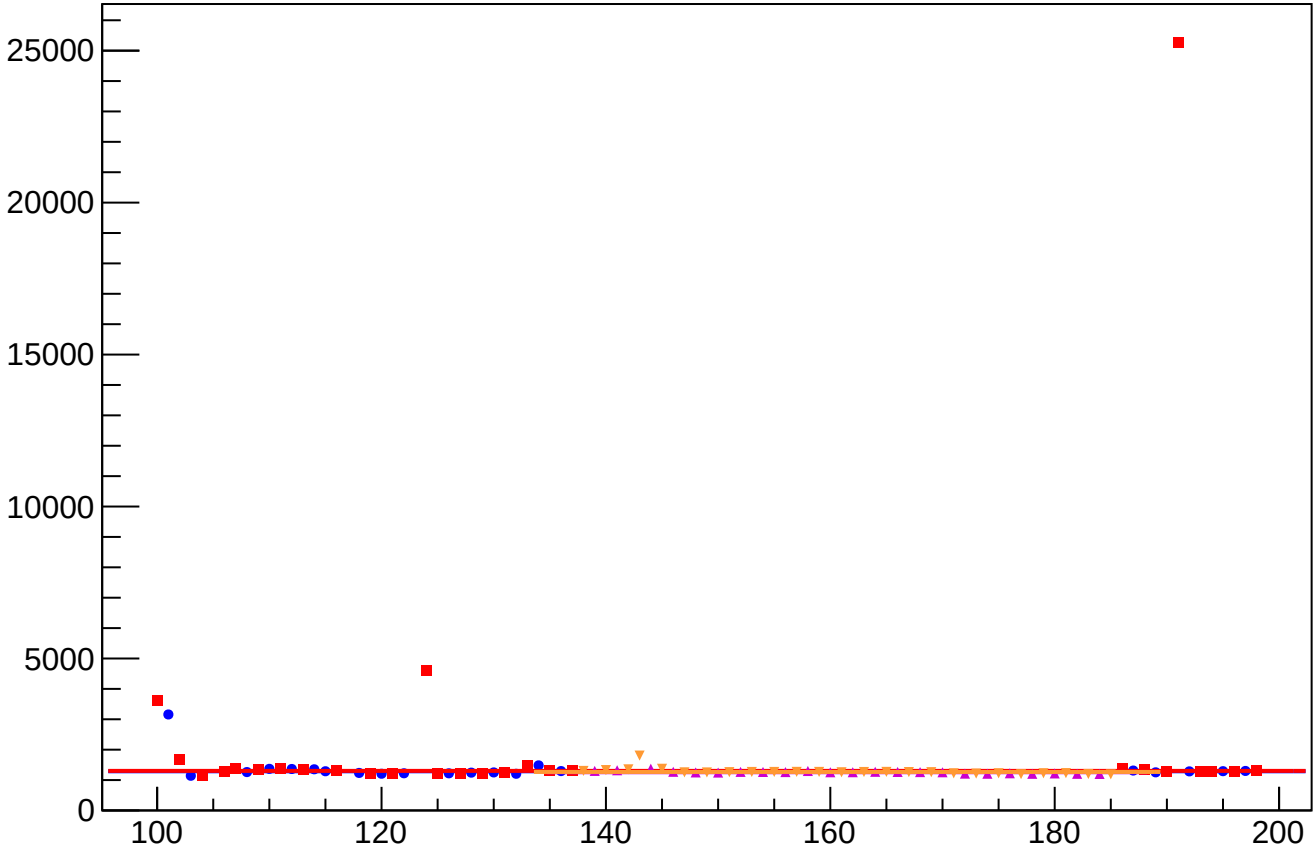
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 196.641+/-164.328 χ^2/NDF: 105.9/95

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

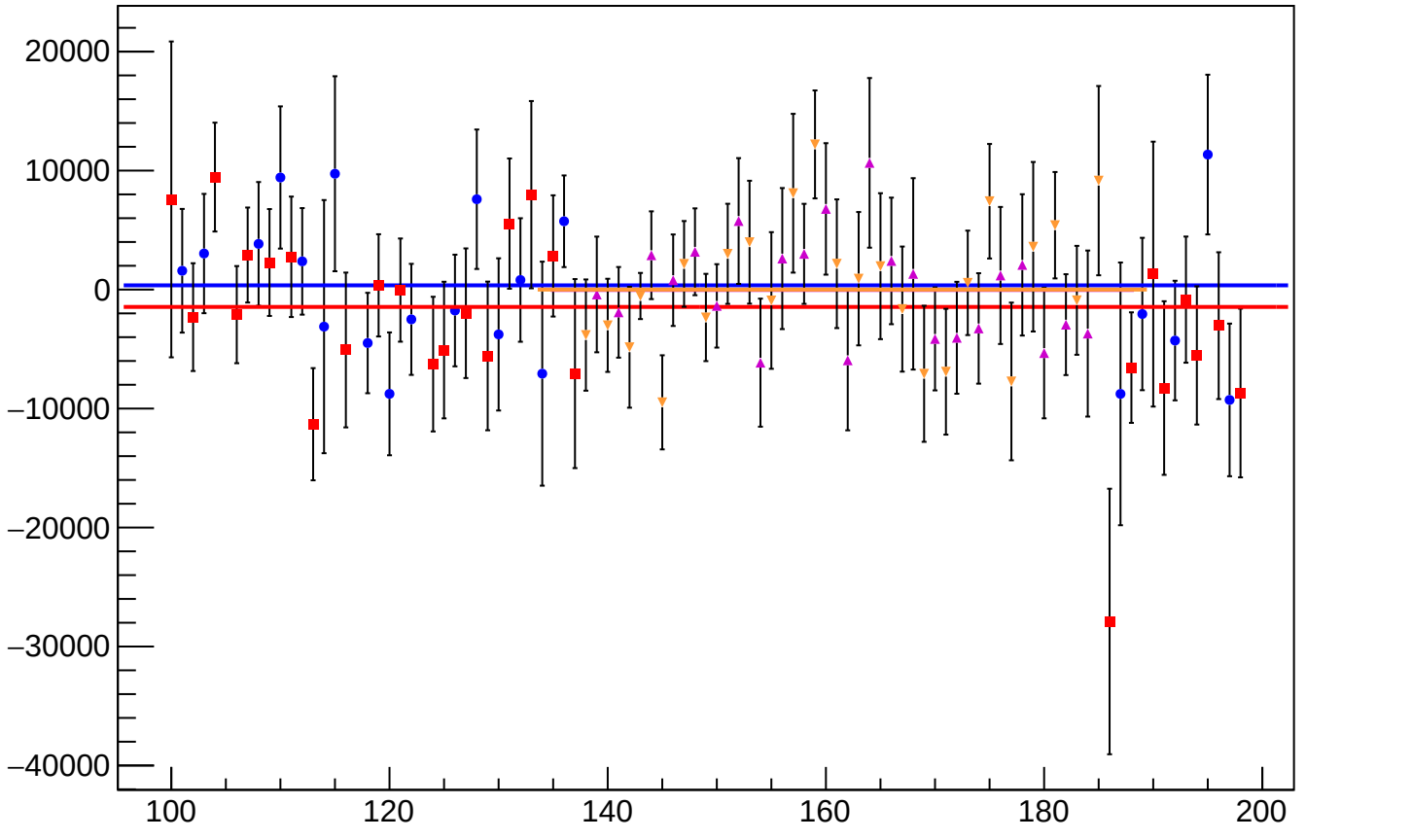
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95

- sign 1274.529+/-0.163 χ^2/NDF: 526539.9/49



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

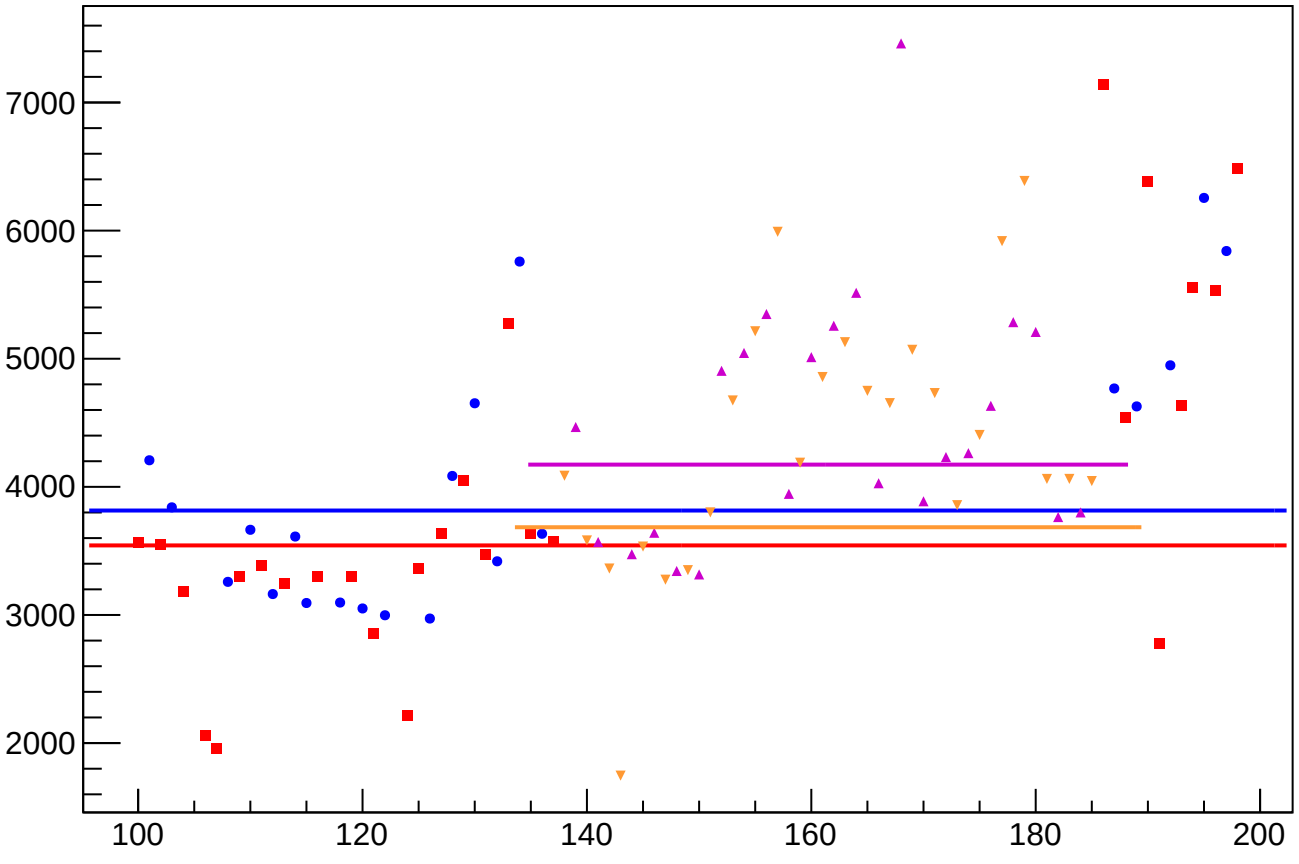
Right Out: -1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 124.798+/-714.119 χ^2/NDF: 50.0/45

All: -286.187+/-507.854 χ^2/NDF: 94.6/95

- sign -706.737+/-722.380 χ^2/NDF: 44.0/49



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

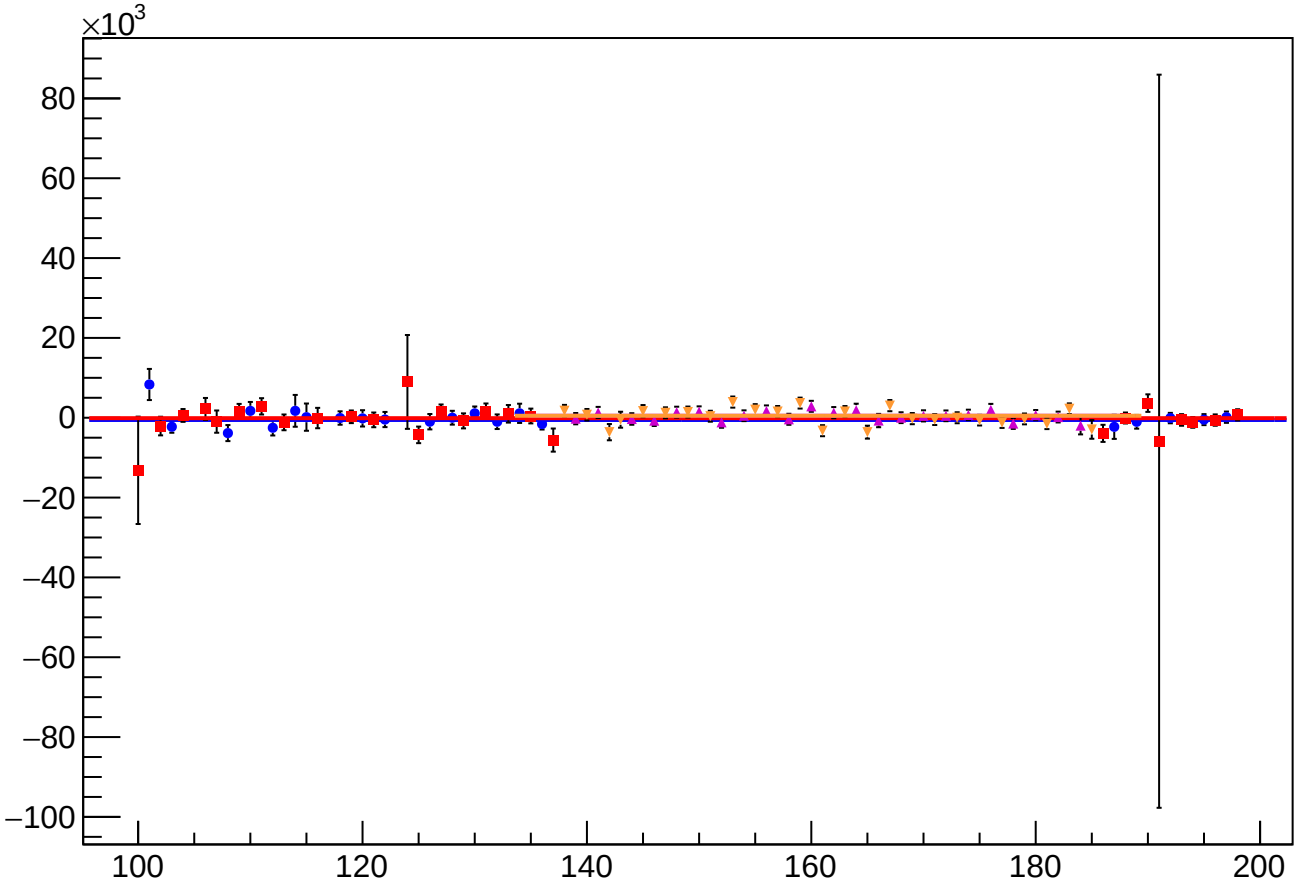
Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3730.555+/-0.505 χ^2/NDF: 4783283.5/45

All: 3801.987+/-0.359 χ^2/NDF: 8698820.3/95

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

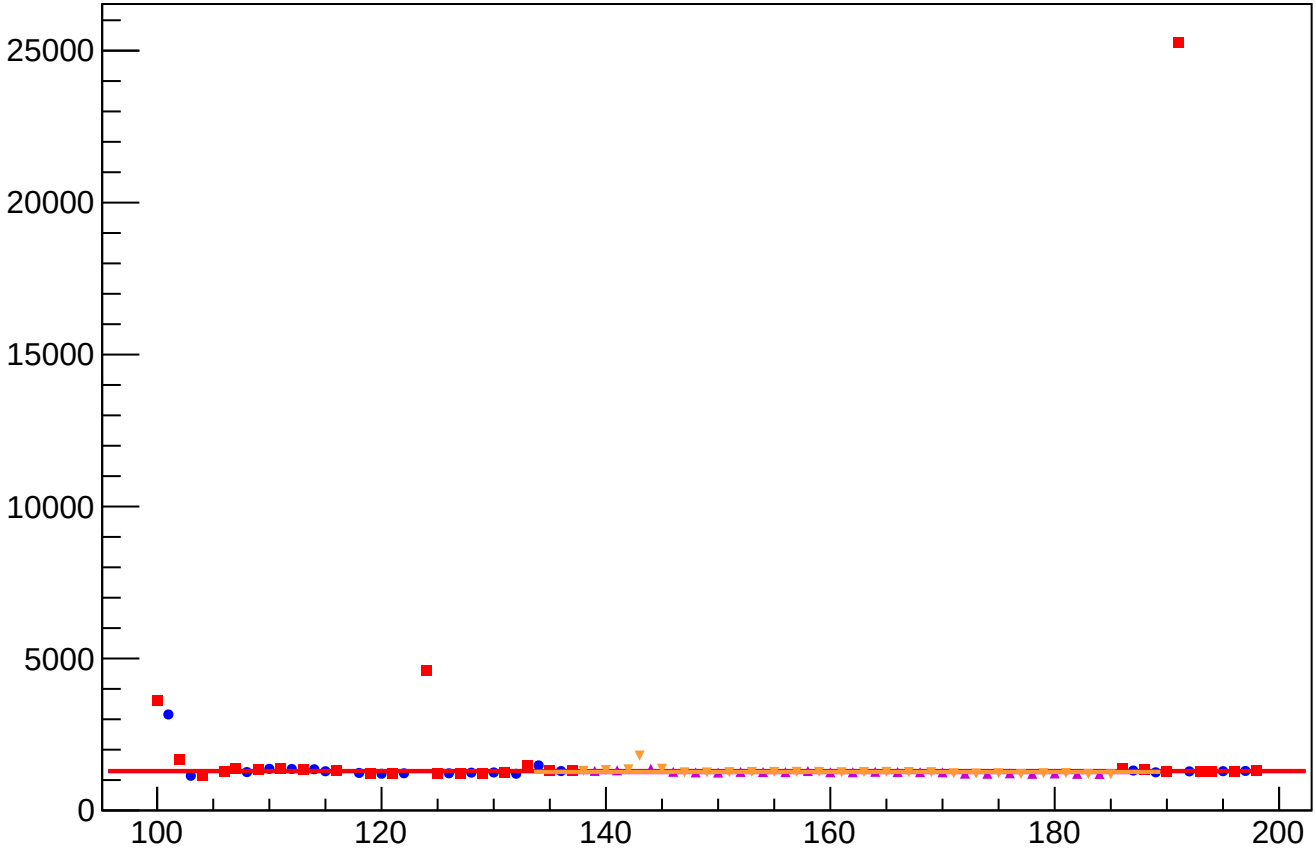
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 196.641+/-164.328 χ^2/NDF: 105.9/95

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

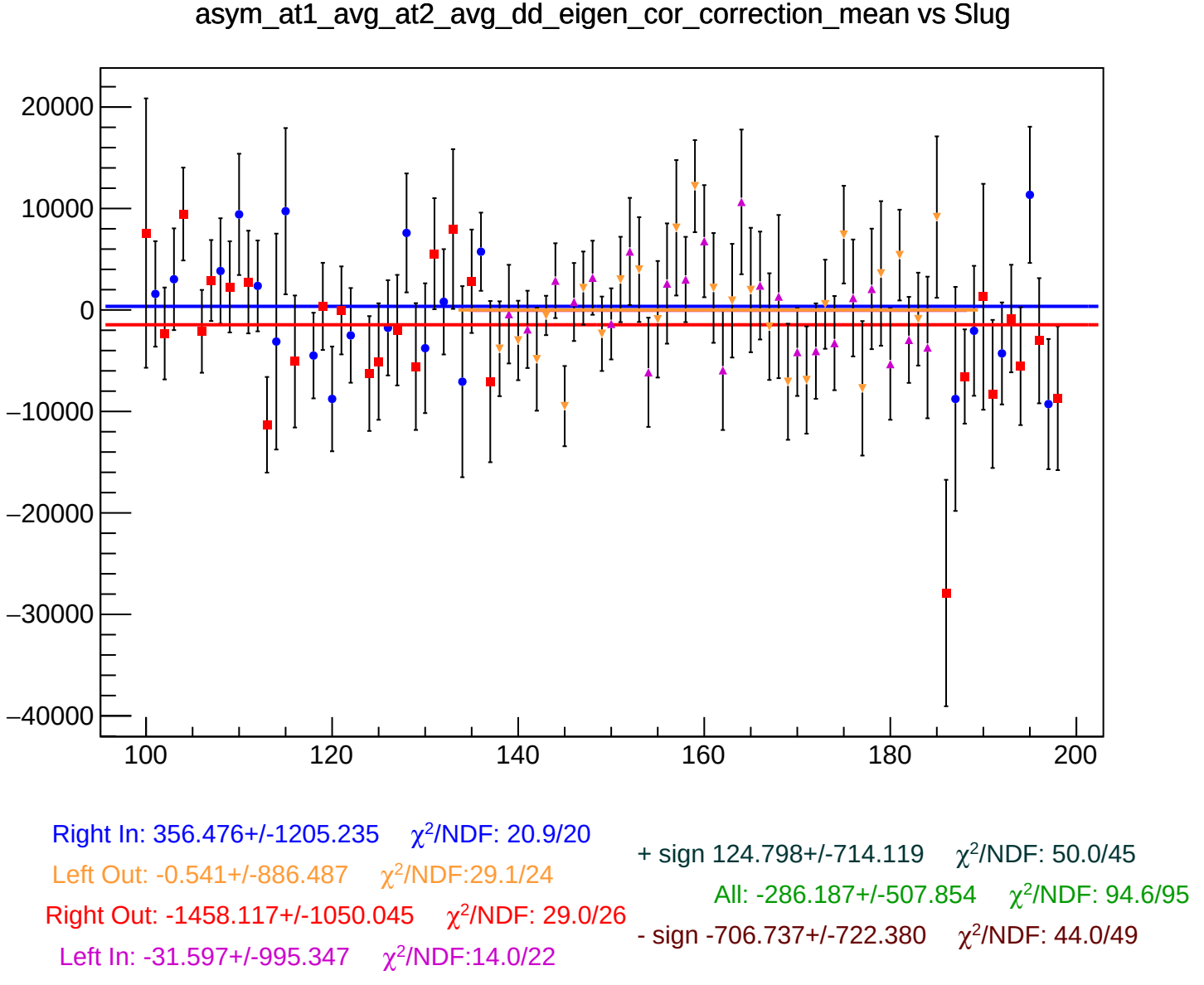
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

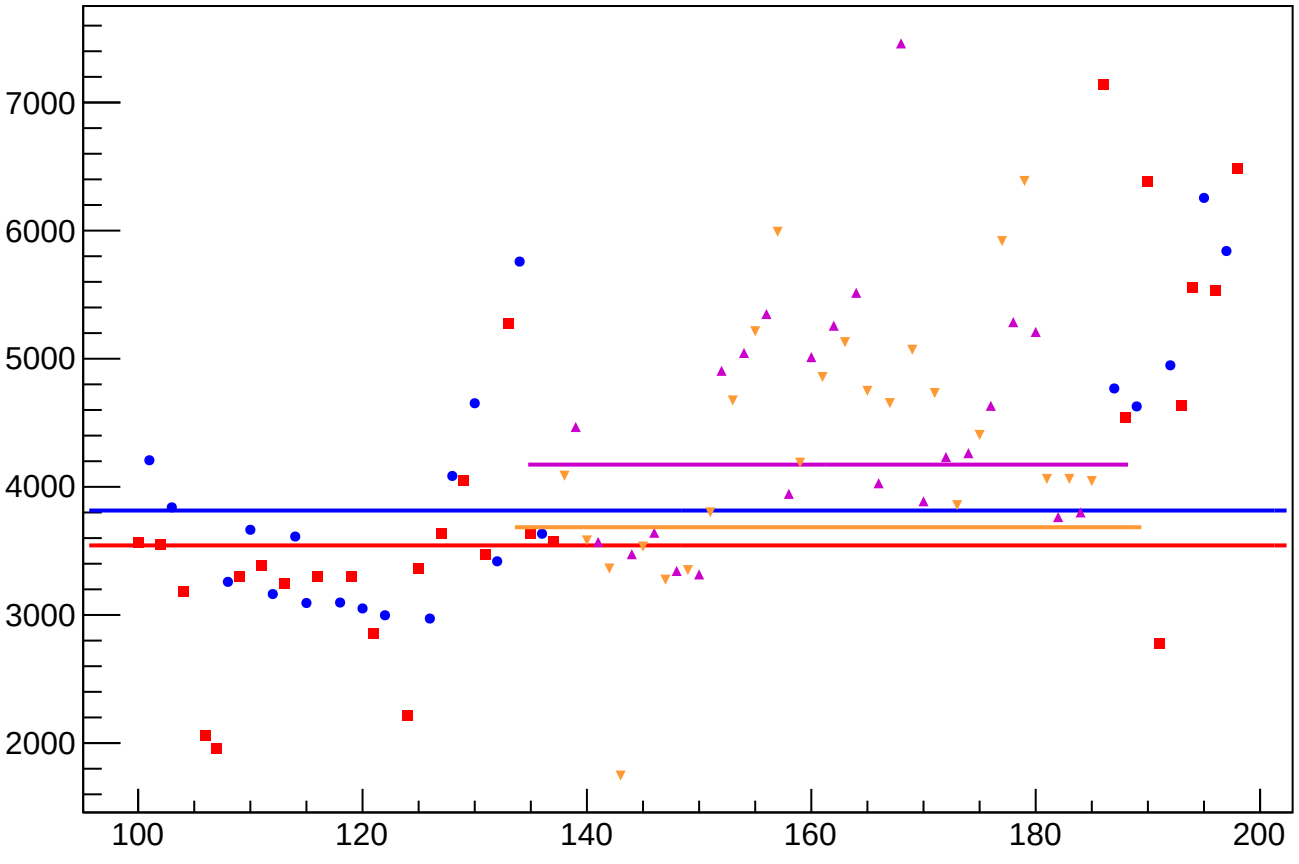
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95

- sign 1274.529+/-0.163 χ^2/NDF: 526539.9/49


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 356.476+/-1205.235 χ²/NDF: 20.9/20
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1458.117+/-1050.045 χ²/NDF: 29.0/26
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 124.798+/-714.119 χ²/NDF: 50.0/45
All: -286.187+/-507.854 χ²/NDF: 94.6/95
- sign -706.737+/-722.380 χ²/NDF: 44.0/49



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

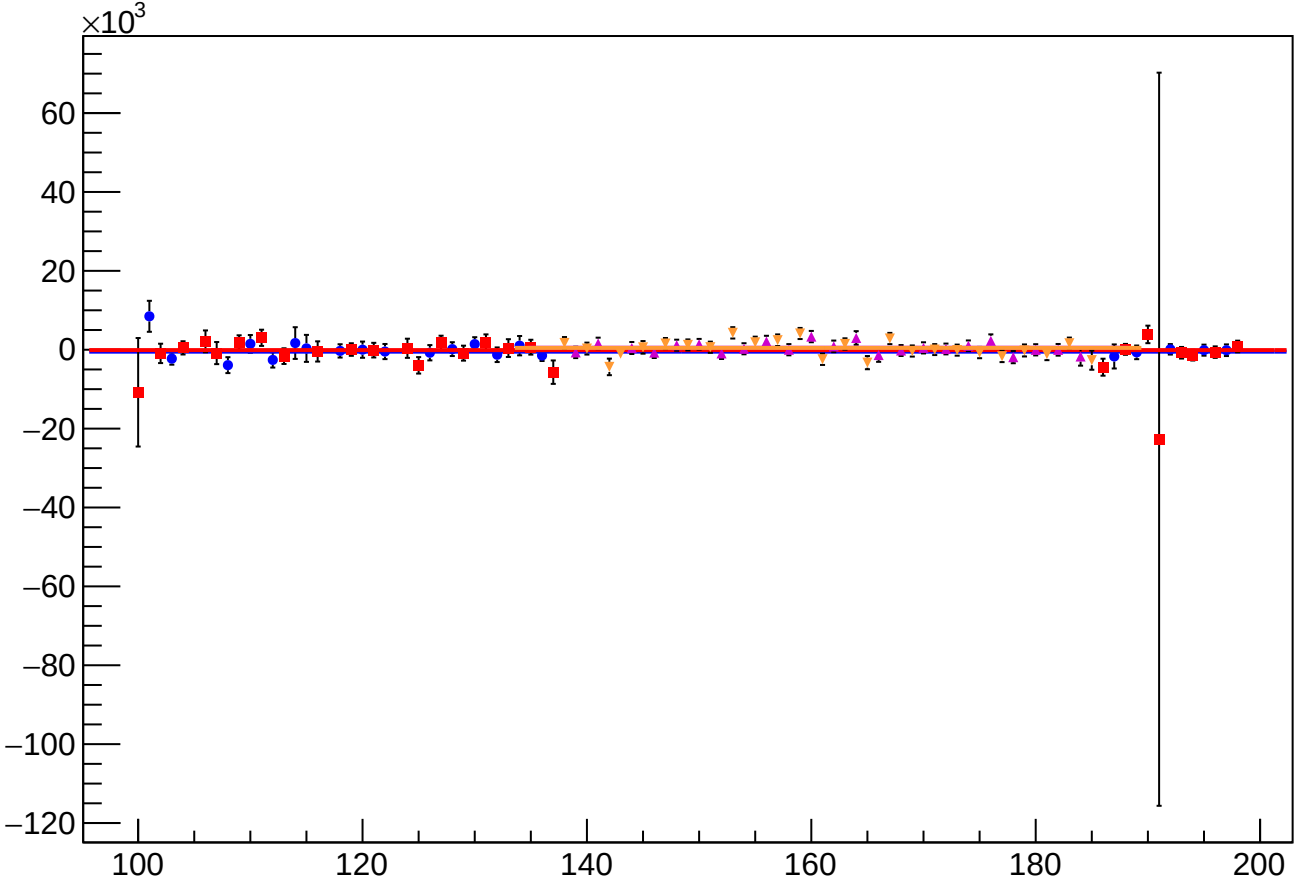
Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3730.555+/-0.505 χ^2/NDF: 4783283.5/45

All: 3801.987+/-0.359 χ^2/NDF: 8698820.3/95

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.322+/-374.882 χ^2/NDF: 24.0/26

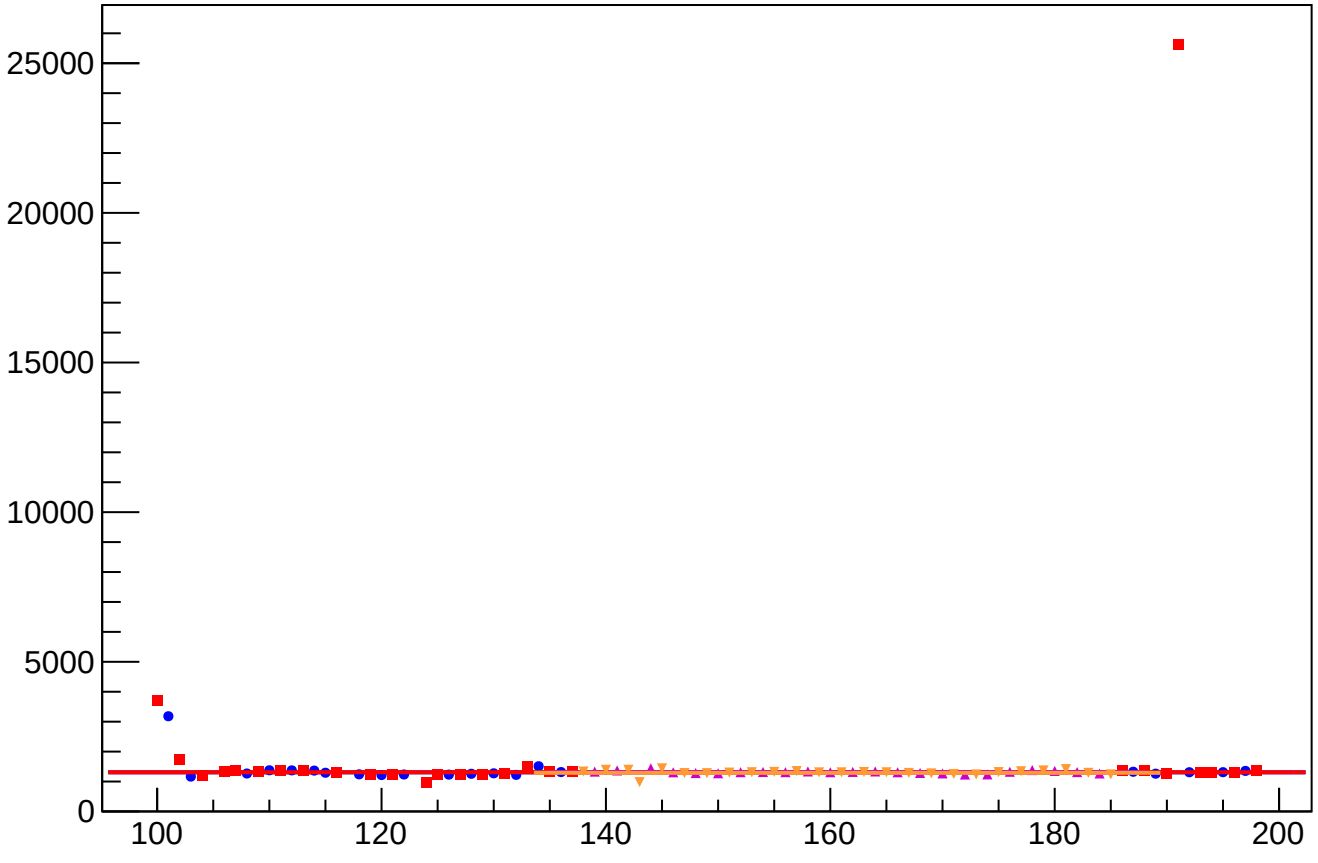
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 139.422+/-238.246 χ^2/NDF: 62.4/45

All: 201.846+/-168.217 χ^2/NDF: 105.5/95

- sign 263.903+/-237.544 χ^2/NDF: 42.9/49

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1307.353+/-0.287 χ^2/NDF: 514221.9/20

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

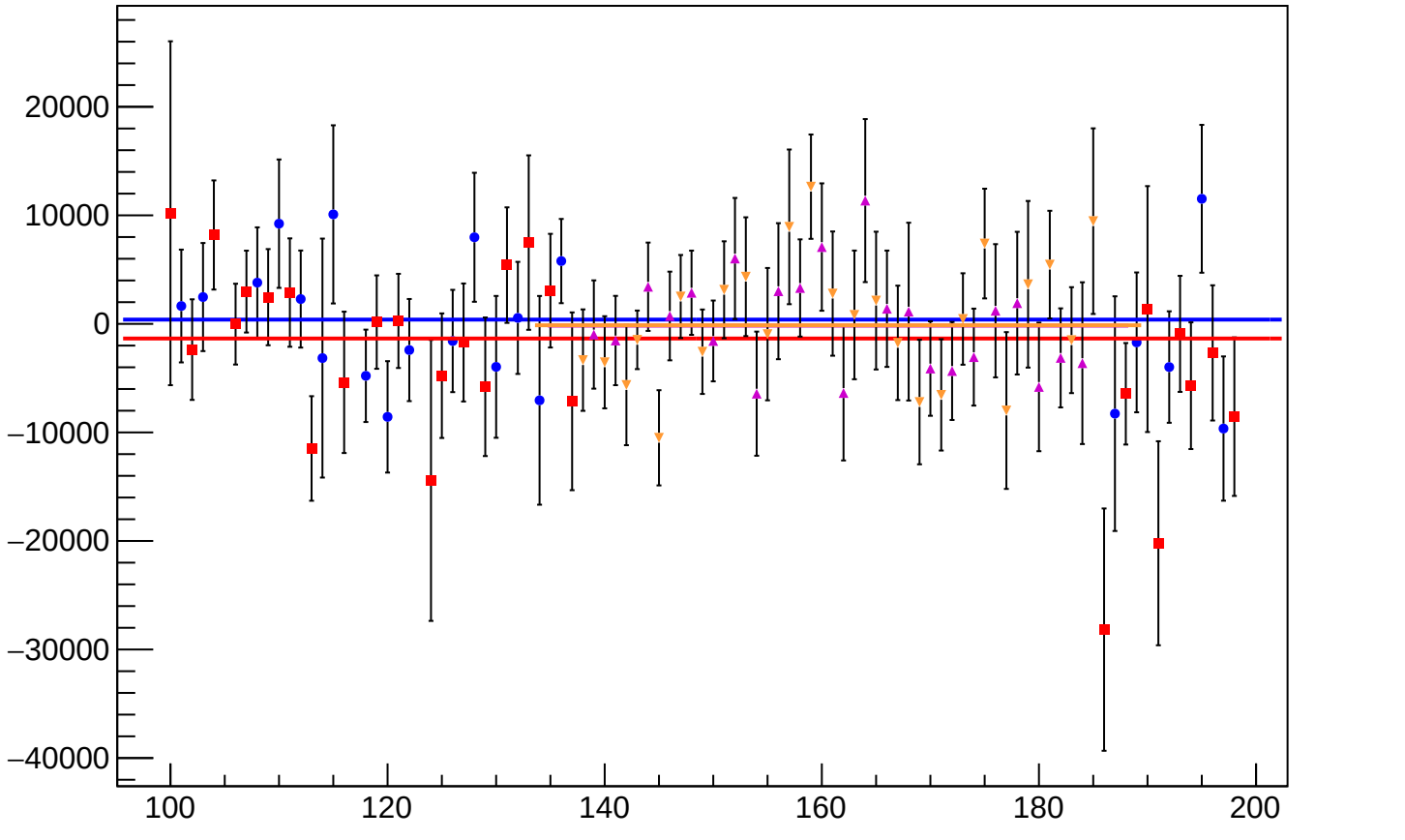
Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.771+/-0.168 χ^2/NDF: 747030.3/45

All: 1304.648+/-0.119 χ^2/NDF: 1157654.8/95

- sign 1312.475+/-0.168 χ^2/NDF: 406266.1/49



Right In: 394.384+/-1210.625 χ^2/NDF: 20.7/20

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

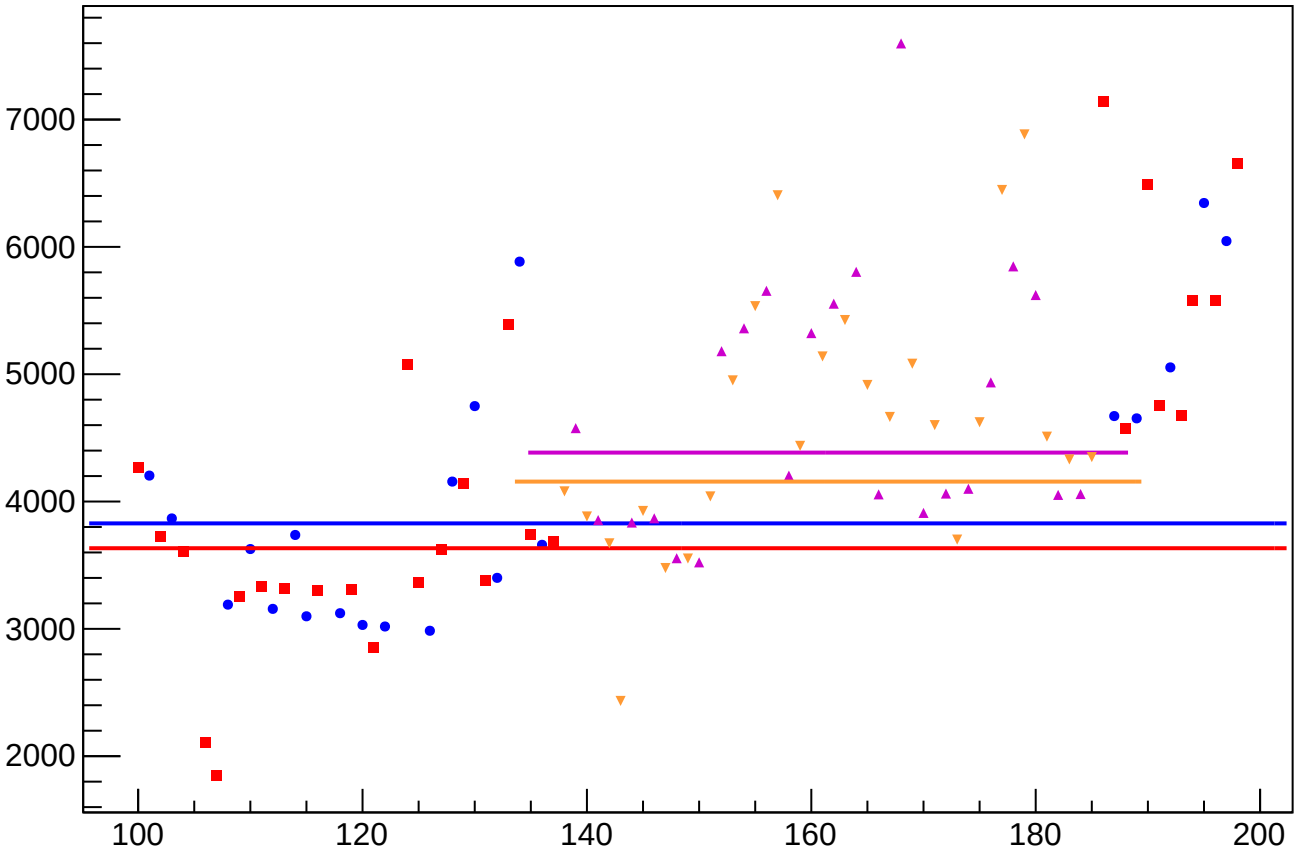
Right Out: -1349.010+/-1068.322 χ^2/NDF: 30.7/26

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 78.532+/-760.407 χ^2/NDF: 49.4/45

All: -338.601+/-532.966 χ^2/NDF: 95.0/95

- sign -741.395+/-747.222 χ^2/NDF: 45.1/49



Right In: 3828.348+/-0.856 χ^2/NDF: 1141062.0/20

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

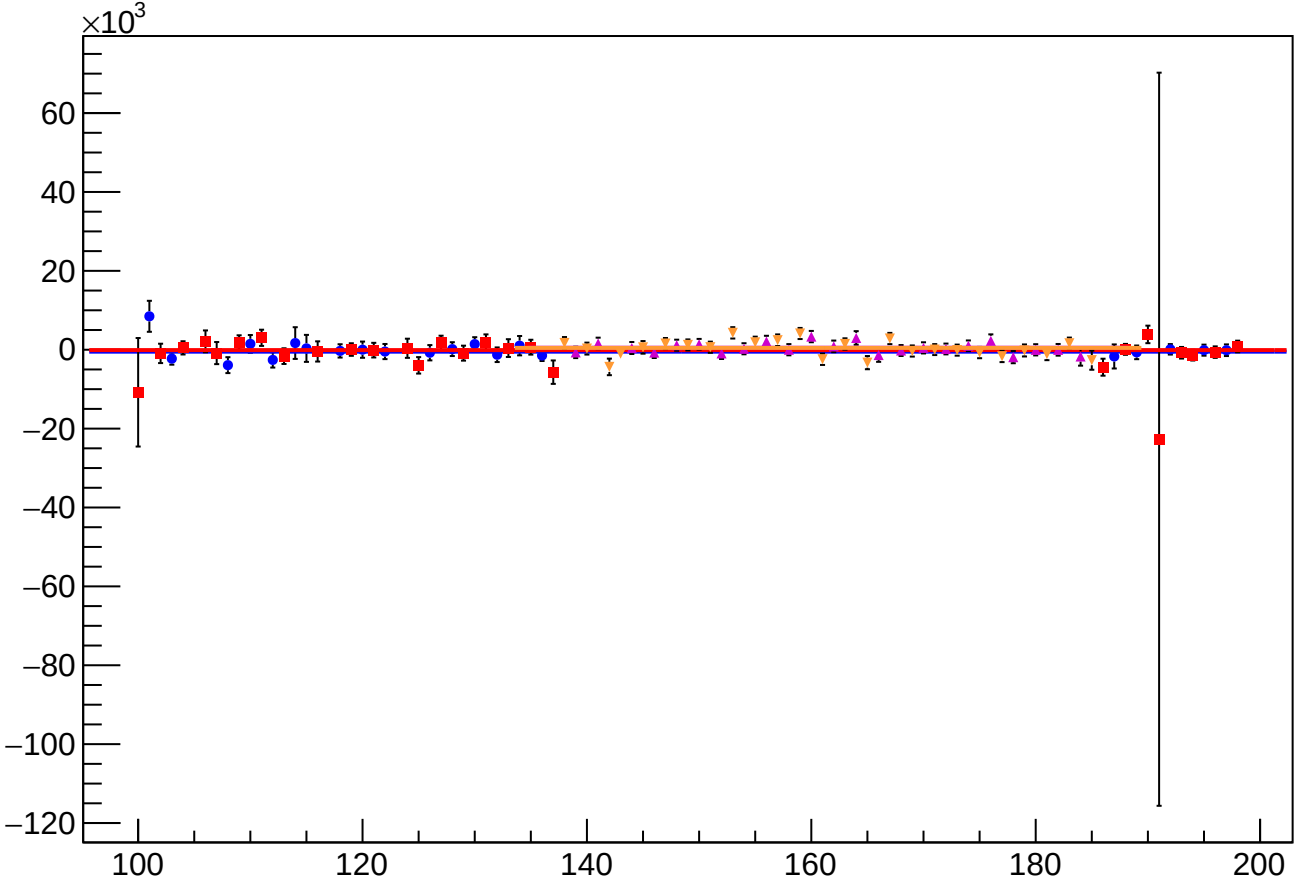
Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4027.086+/-0.538 χ^2/NDF: 3310845.6/45

All: 4021.918+/-0.377 χ^2/NDF: 7382768.6/95

- sign 4016.928+/-0.528 χ^2/NDF: 4071741.4/49



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.319+/-374.882 χ^2/NDF: 24.0/26

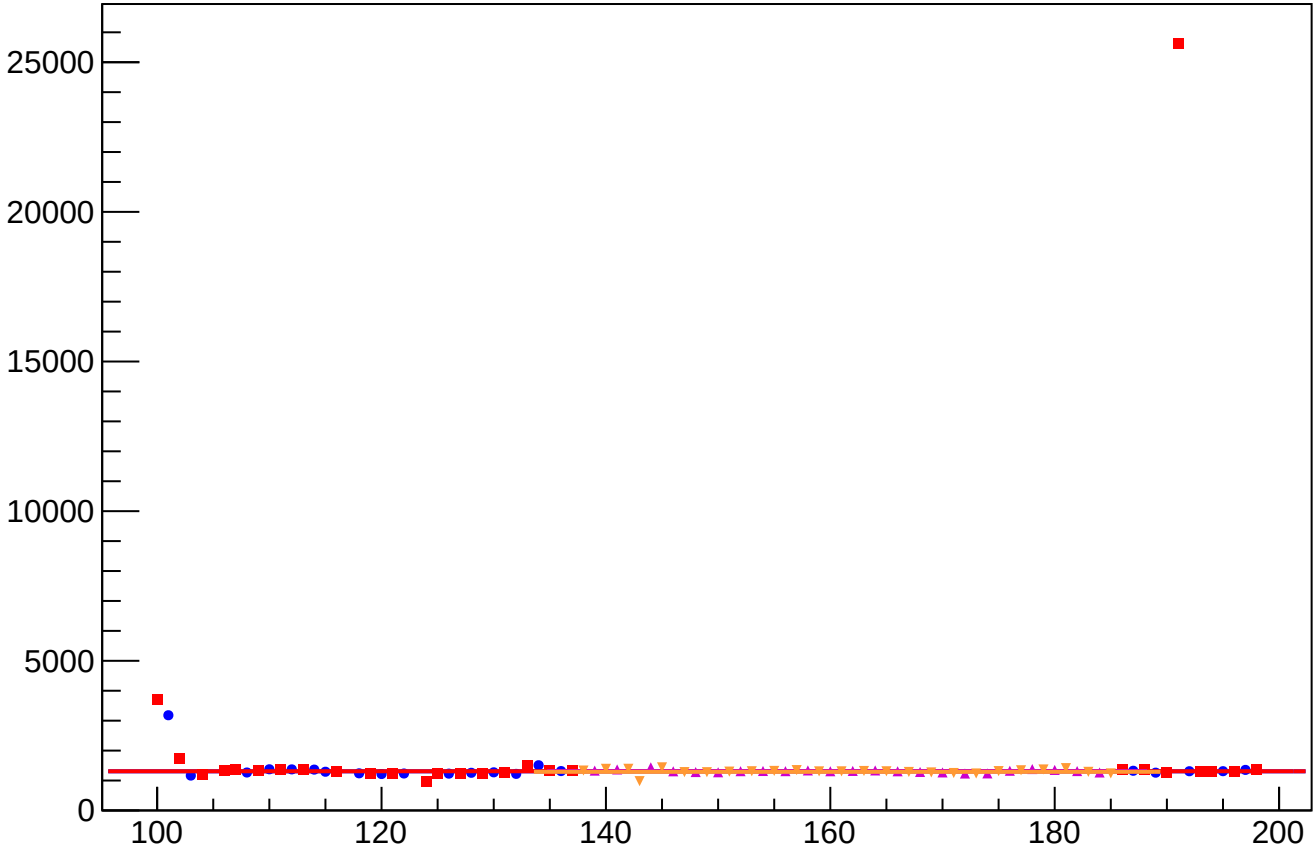
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 139.424+/-238.246 χ^2/NDF: 62.4/45

All: 201.848+/-168.217 χ^2/NDF: 105.5/95

- sign 263.904+/-237.544 χ^2/NDF: 42.9/49

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1307.353+/-0.287 χ^2/NDF: 514222.1/20

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

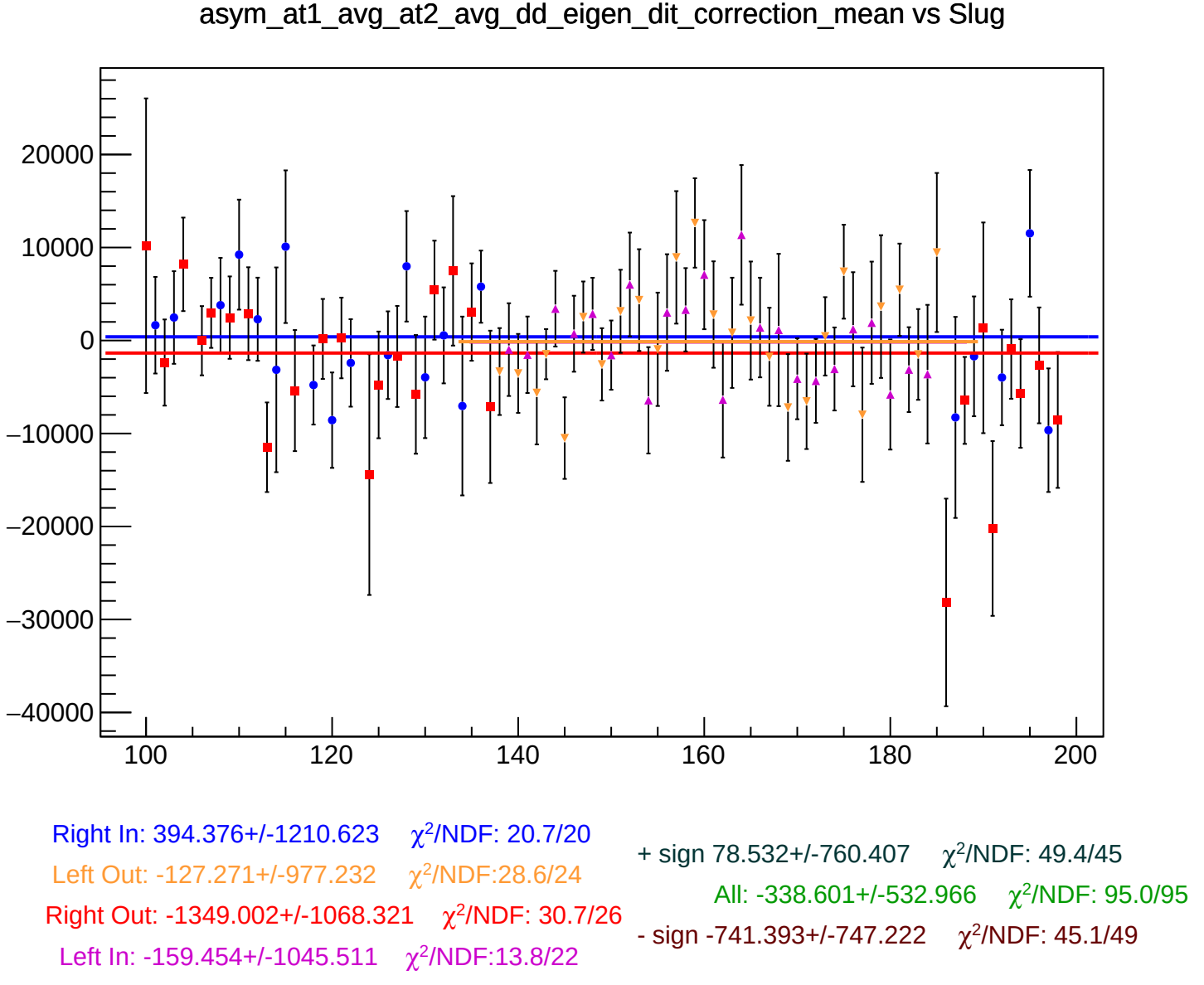
Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

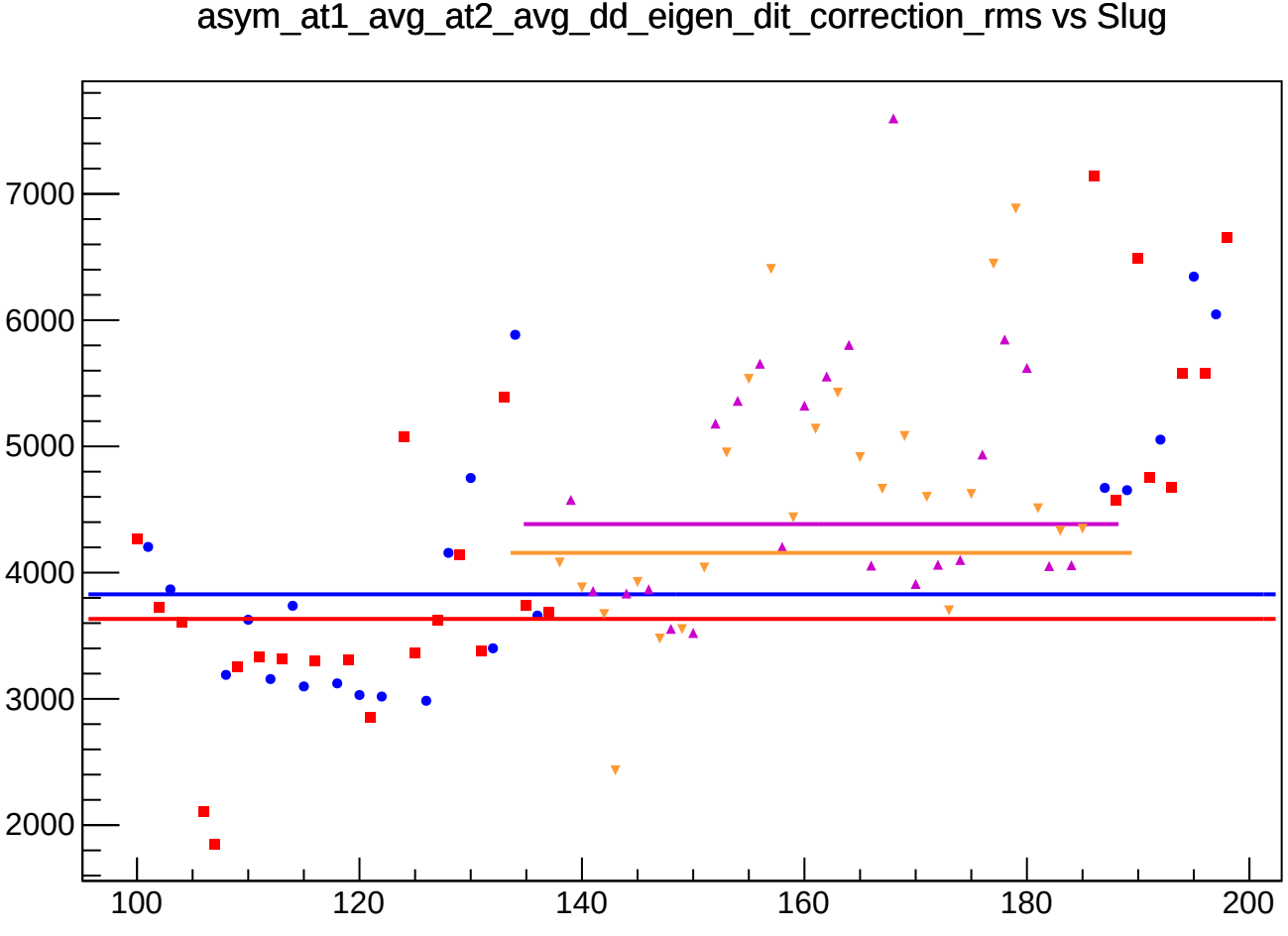
Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.772+/-0.168 χ^2/NDF: 747032.7/45

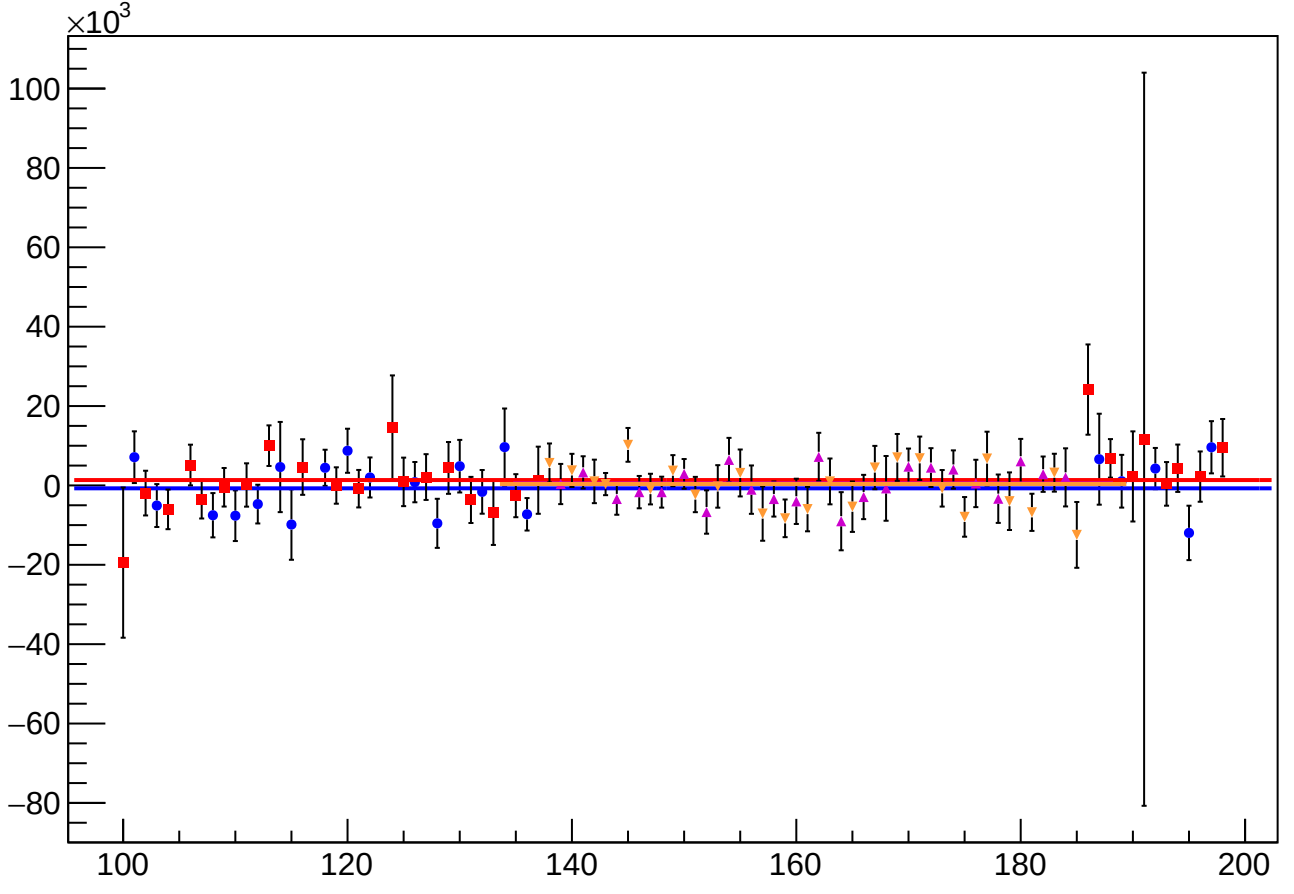
All: 1304.649+/-0.119 χ^2/NDF: 1157659.7/95

- sign 1312.476+/-0.168 χ^2/NDF: 406268.6/49


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 394.376+/-1210.623 χ²/NDF: 20.7/20
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: -1349.002+/-1068.321 χ²/NDF: 30.7/26
Left In: -159.454+/-1045.511 χ²/NDF:13.8/22
+ sign 78.532+/-760.407 χ²/NDF: 49.4/45
All: -338.601+/-532.966 χ²/NDF: 95.0/95
- sign -741.393+/-747.222 χ²/NDF: 45.1/49


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3828.339+/-0.856 χ²/NDF: 1141077.9/20
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3633.318+/-0.755 χ²/NDF: 2311456.9/26
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
+ sign 4027.086+/-0.538 χ²/NDF: 3310872.4/45
All: 4021.918+/-0.377 χ²/NDF: 7382834.4/95
- sign 4016.927+/-0.528 χ²/NDF: 4071780.4/49

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -732.996+/-1291.410 χ^2/NDF: 24.3/20

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1352.994+/-1175.781 χ^2/NDF: 19.3/26

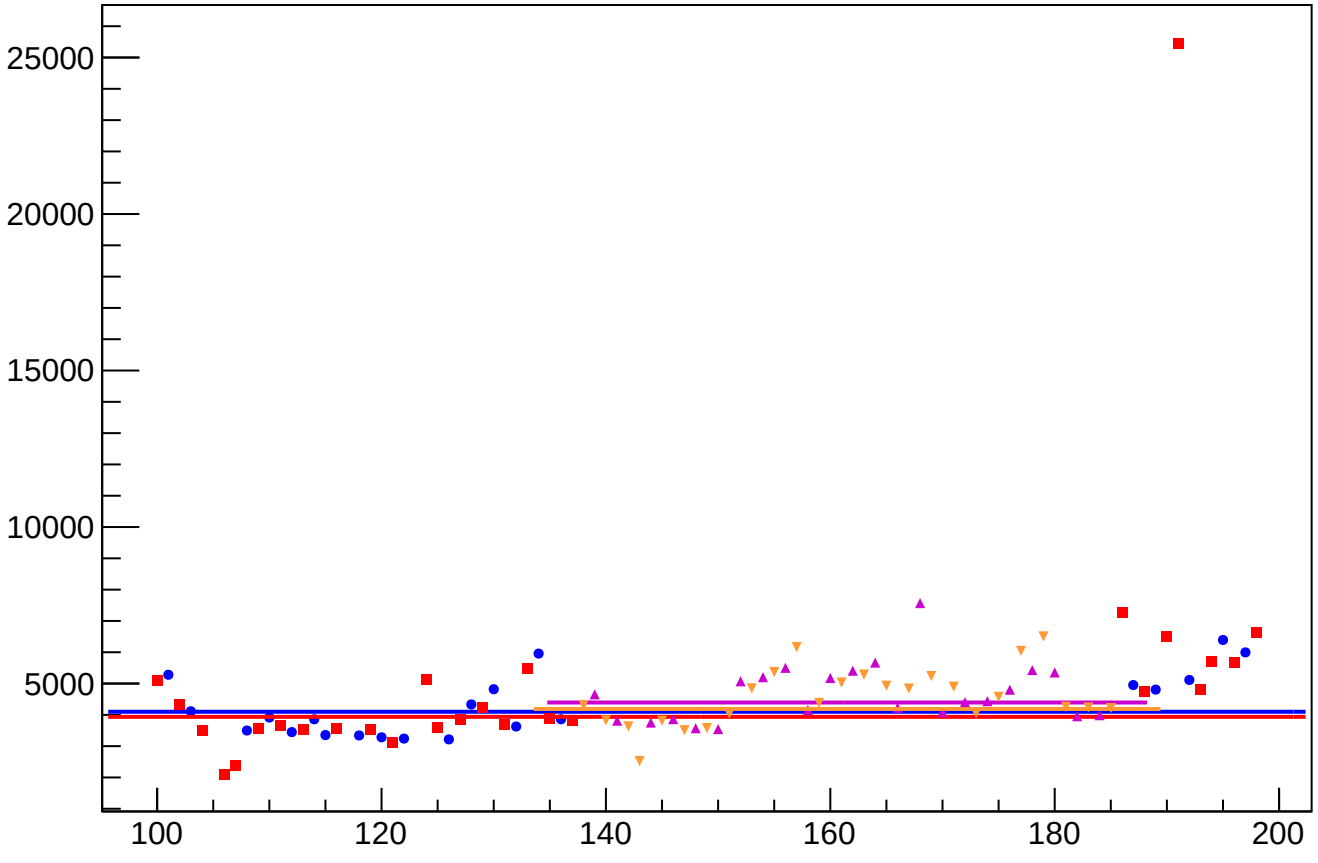
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -37.737+/-780.597 χ^2/NDF: 52.4/45

All: 418.384+/-552.096 χ^2/NDF: 86.5/95

- sign 874.936+/-780.966 χ^2/NDF: 33.4/49

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4098.868+/-0.913 χ^2/NDF: 978815.1/20

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

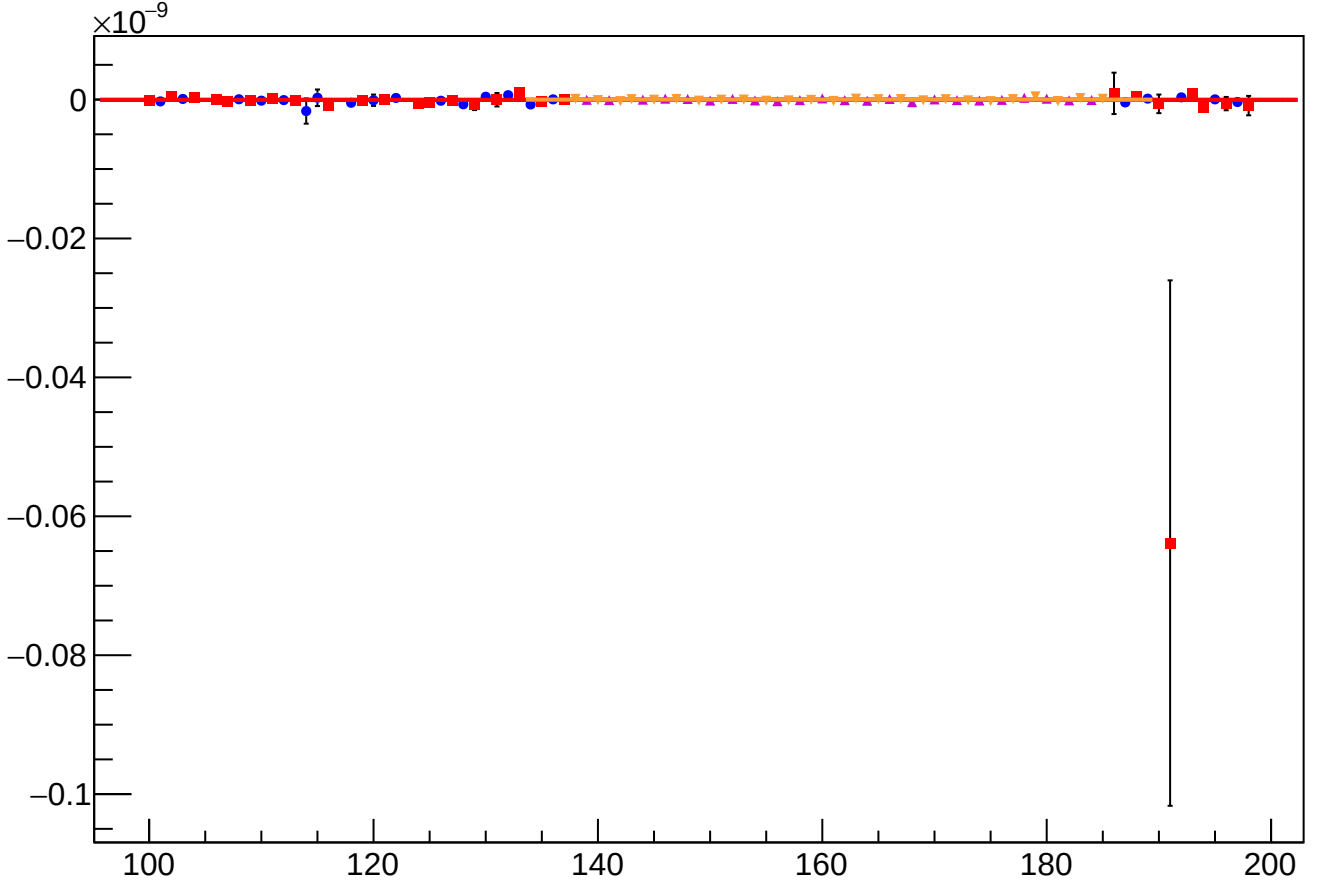
Right Out: 3936.247+/-0.823 χ^2/NDF: 1915185.5/26

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4155.338+/-0.552 χ^2/NDF: 2781186.7/45

All: 4172.652+/-0.389 χ^2/NDF: 5958391.8/95

- sign 4189.820+/-0.550 χ^2/NDF: 3175245.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

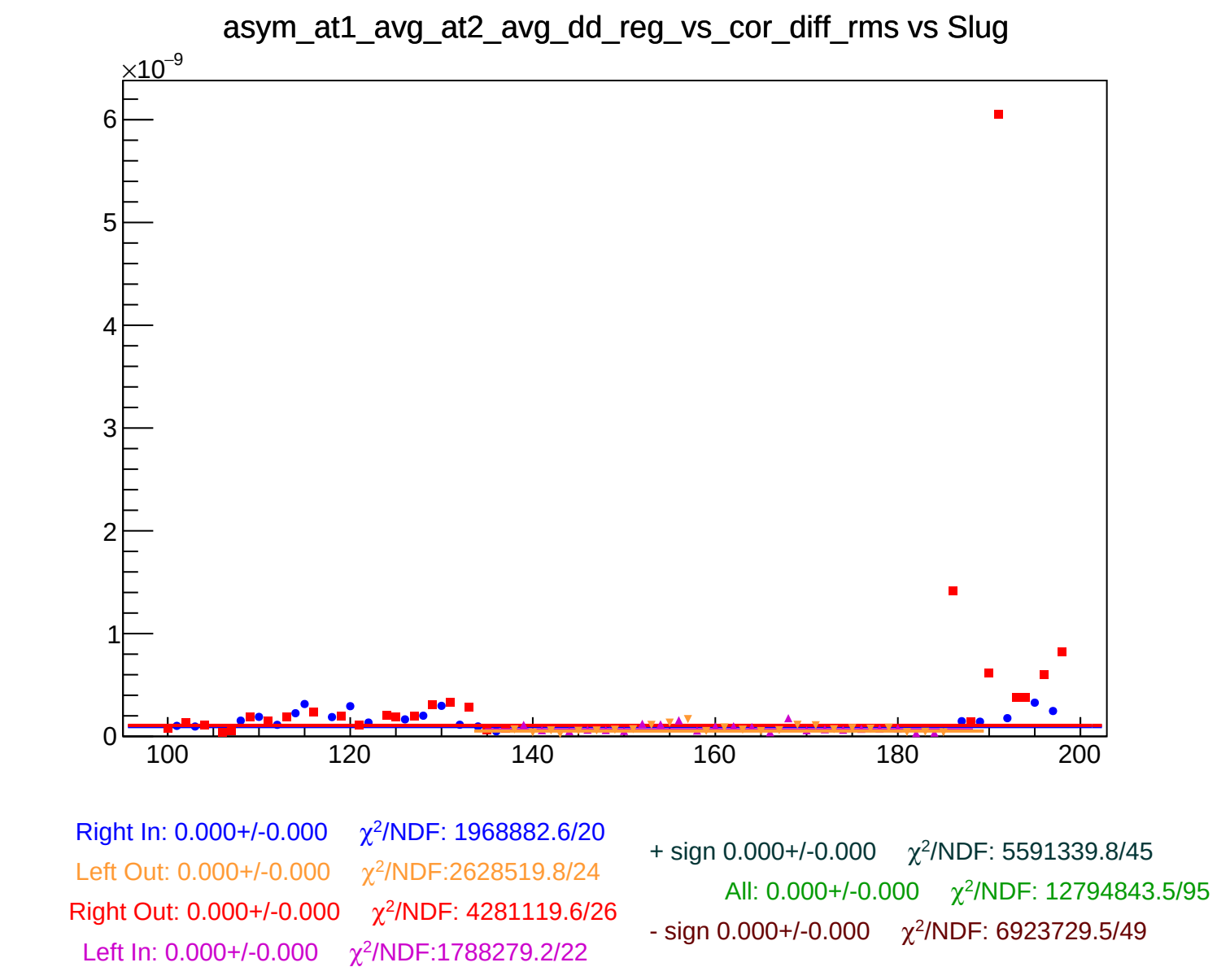
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/26

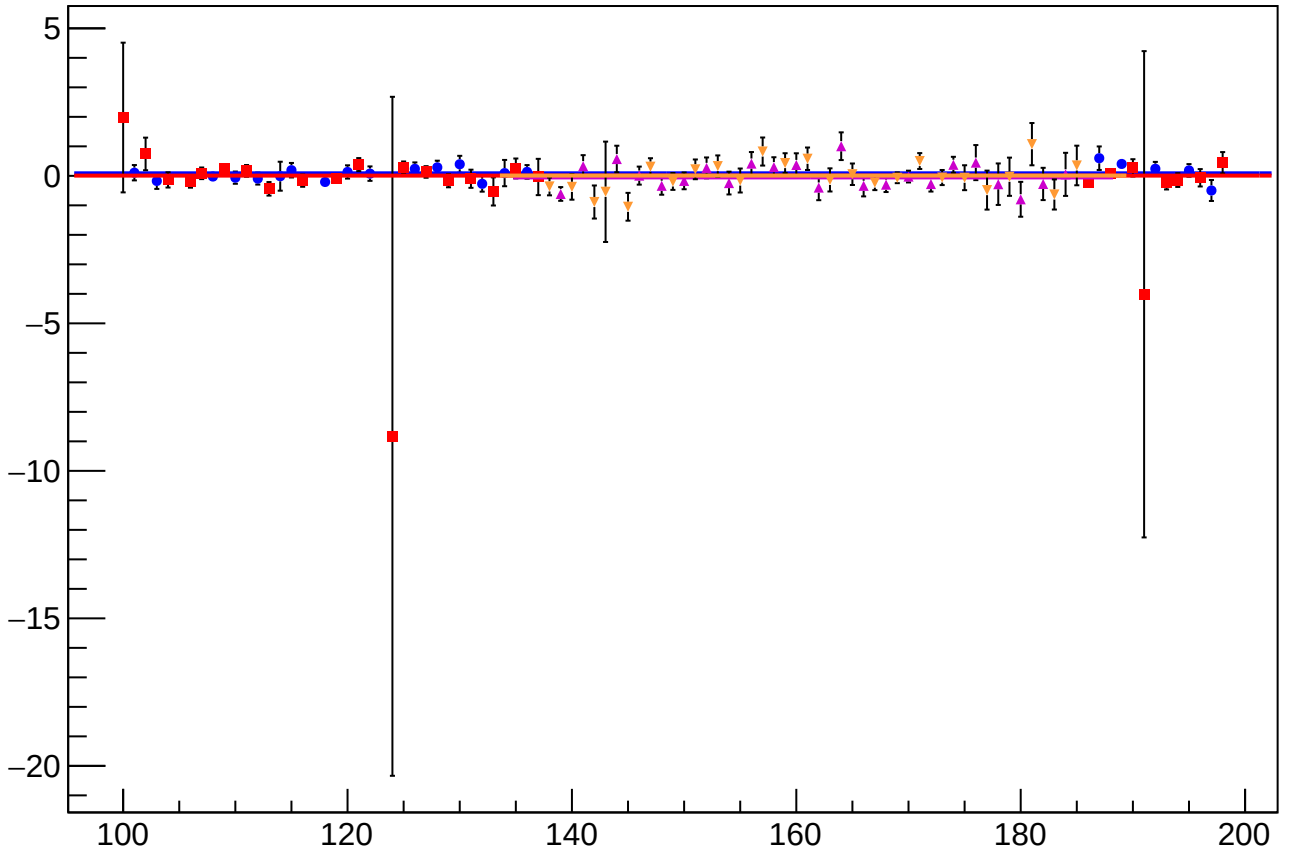
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/45

All: -0.000+/-0.000 χ^2/NDF: 92.9/95

- sign -0.000+/-0.000 χ^2/NDF: 43.5/49


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 1968882.6/20
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4281119.6/26
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5591339.8/45
All: 0.000+/-0.000 χ²/NDF: 12794843.5/95
- sign 0.000+/-0.000 χ²/NDF: 6923729.5/49



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

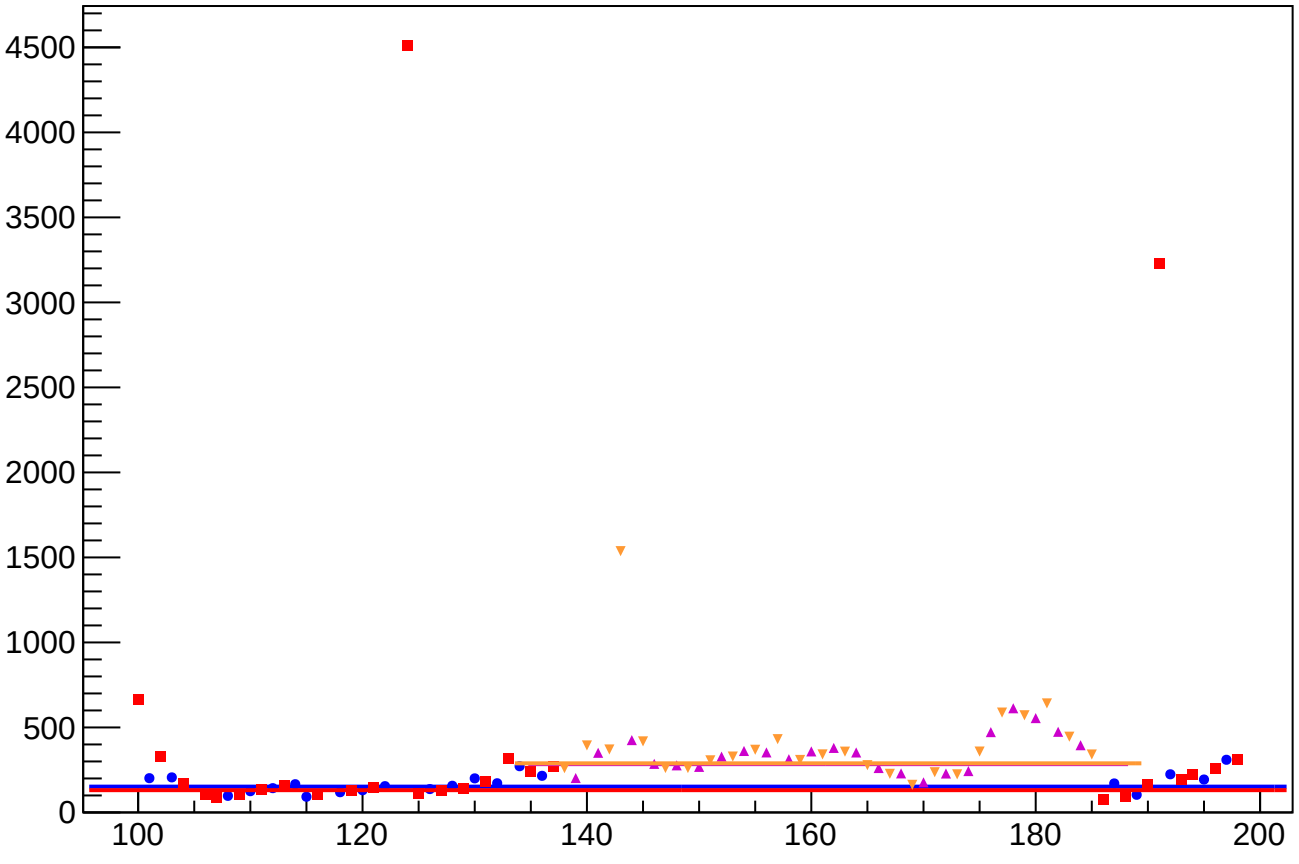
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

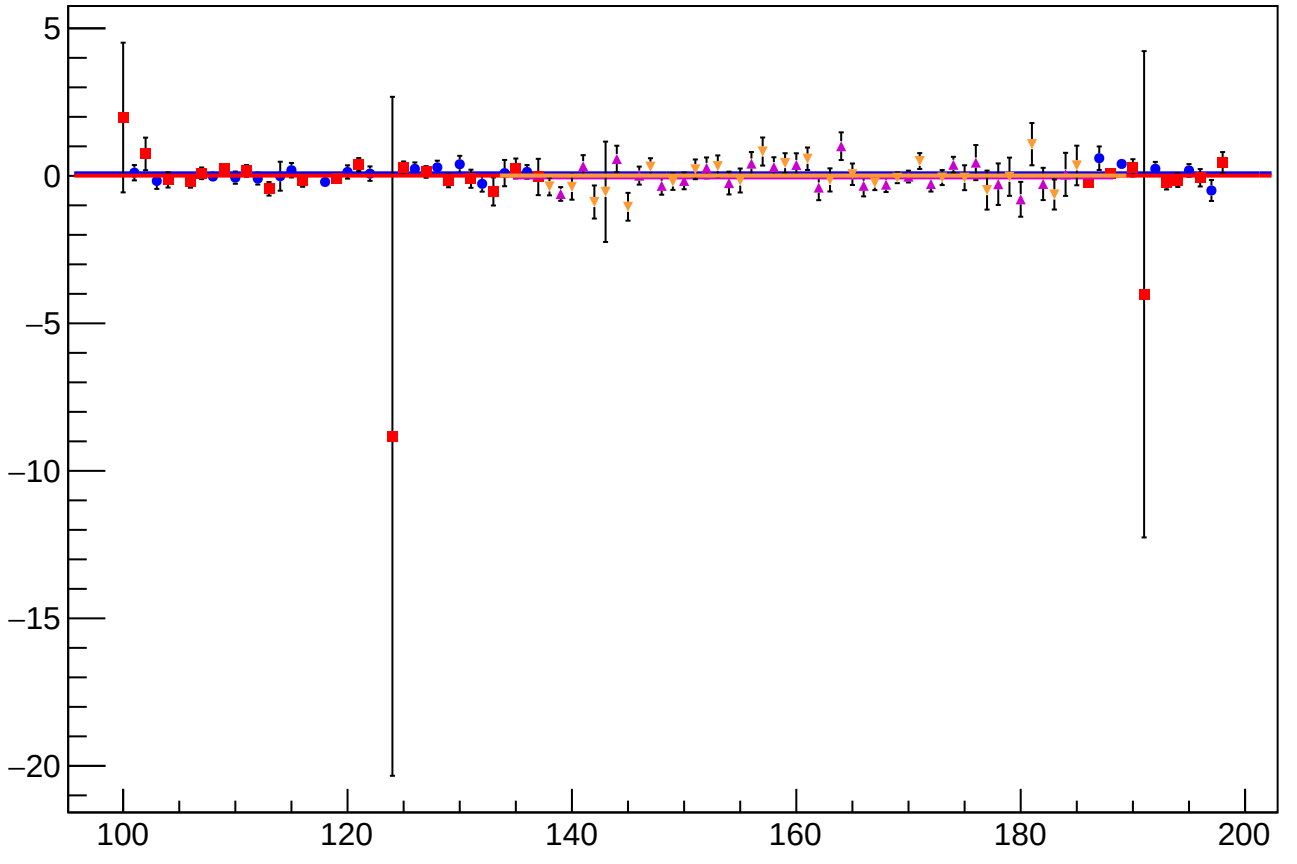
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

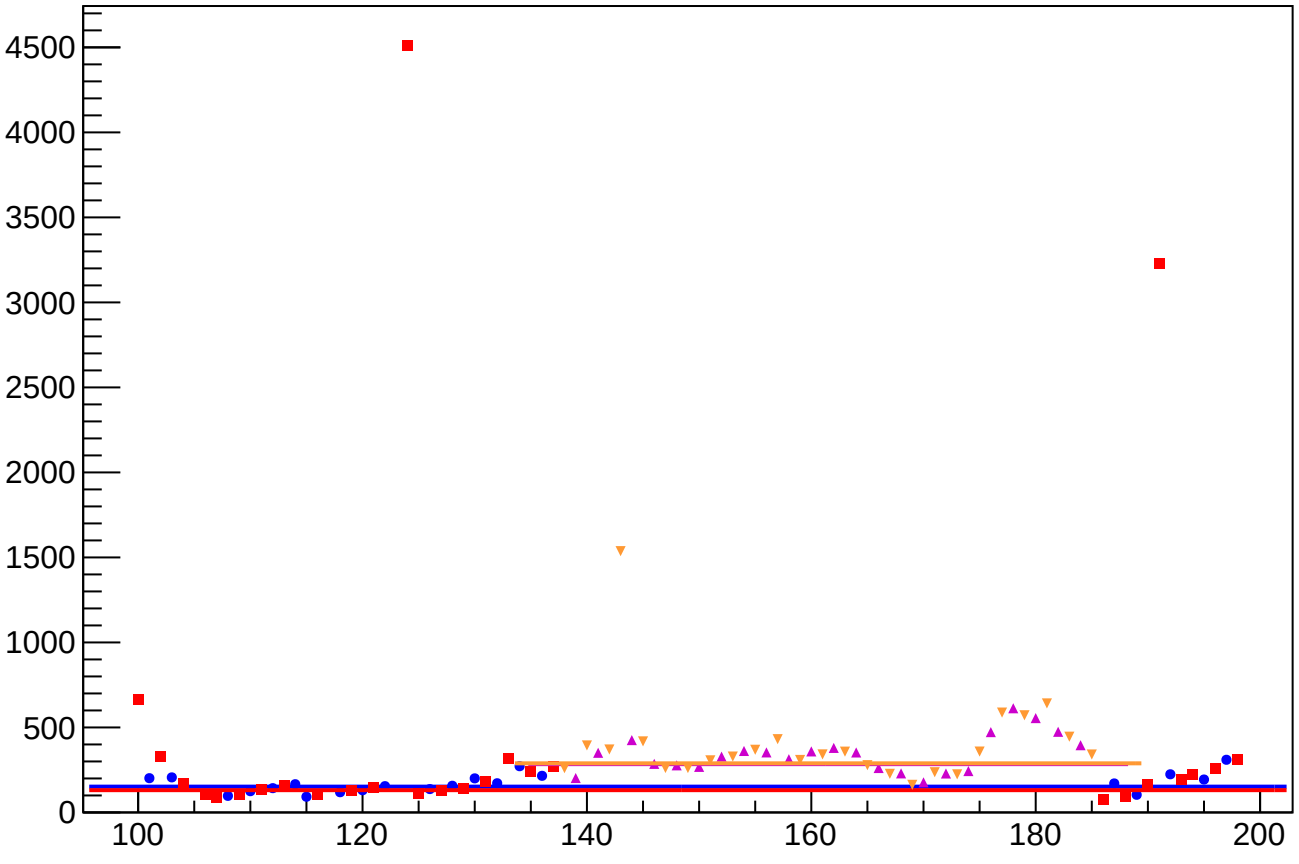
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

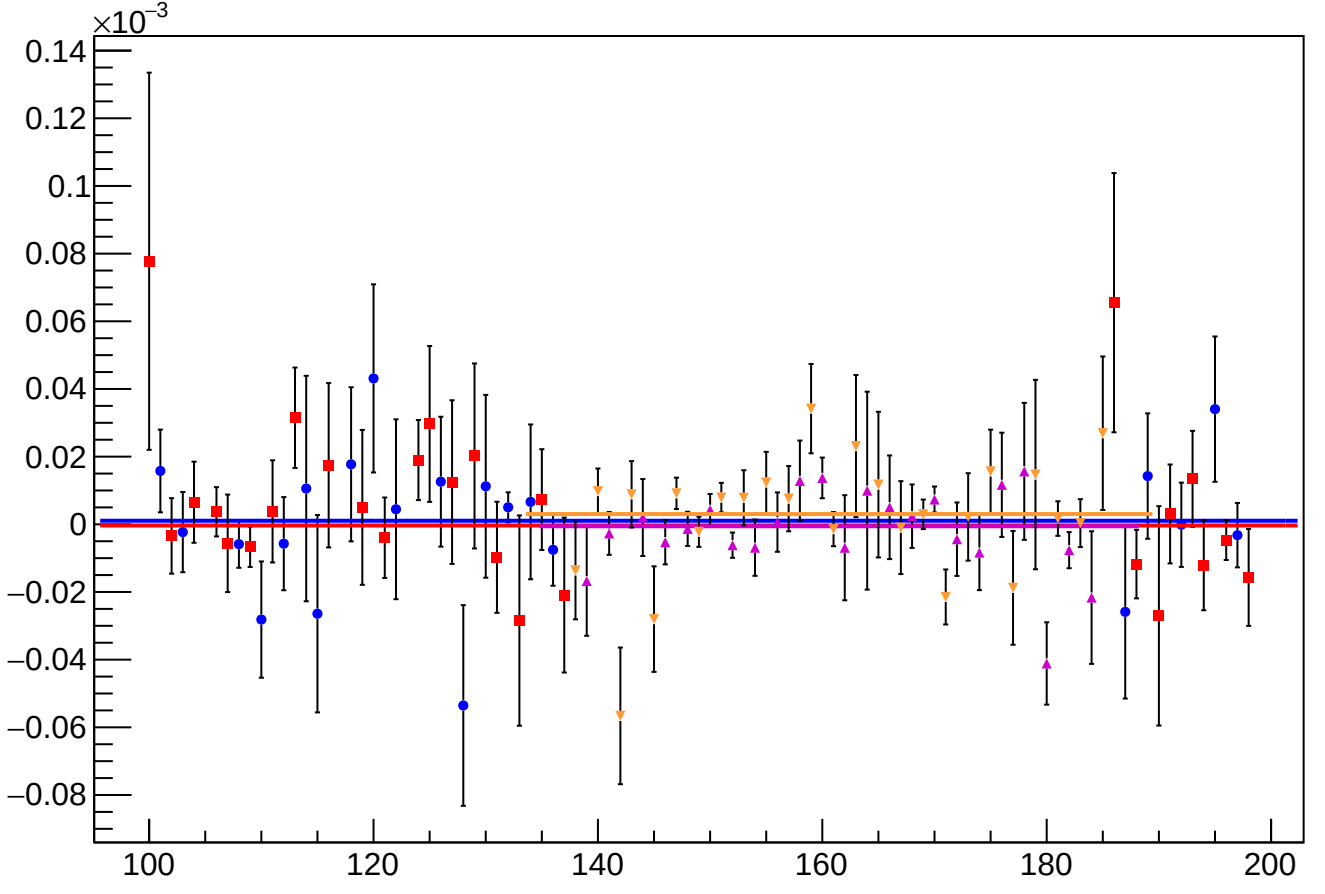
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

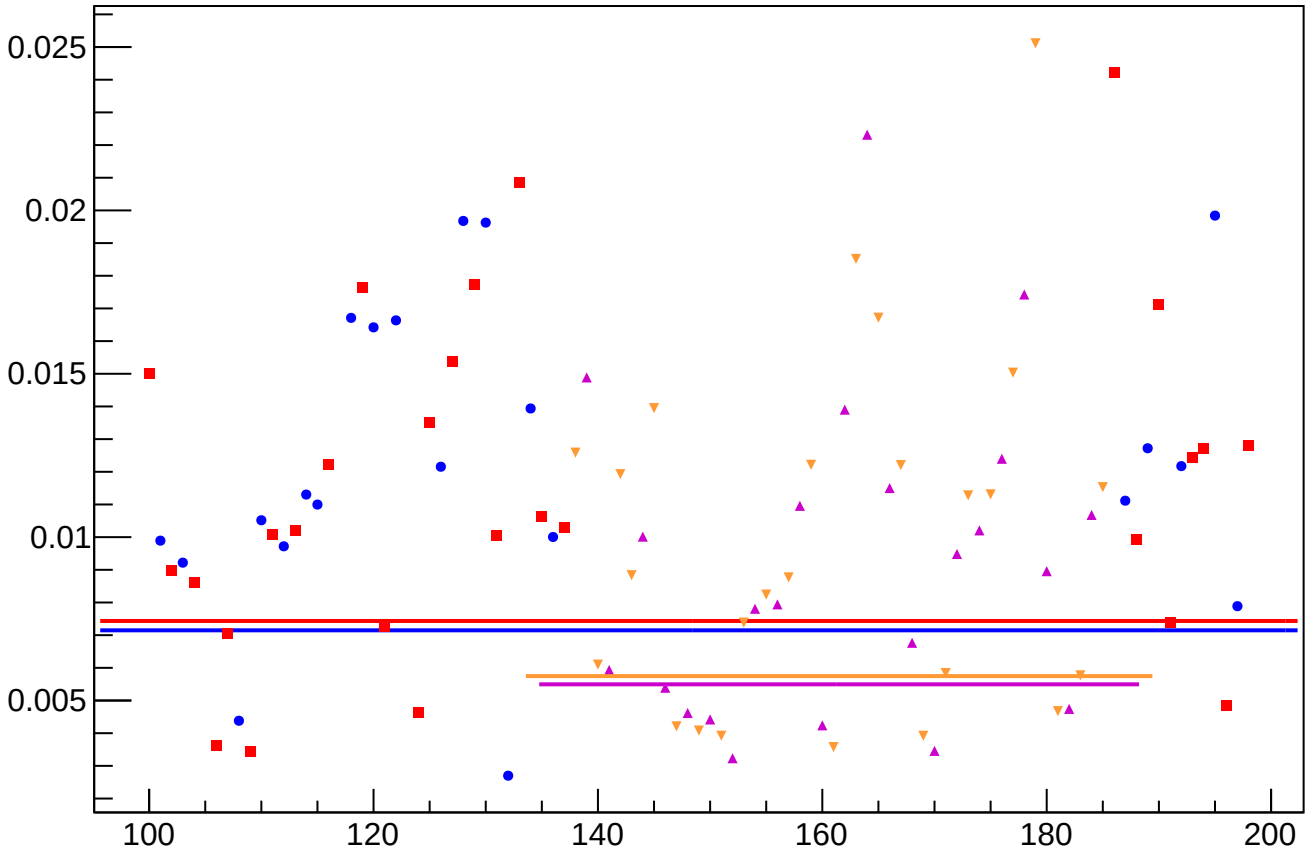
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/45

All: 0.000+/-0.000 χ^2/NDF: 122.7/95

- sign -0.000+/-0.000 χ^2/NDF: 58.3/49



Right In: 0.007+/-0.000 χ^2/NDF: 6044687.7/20

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

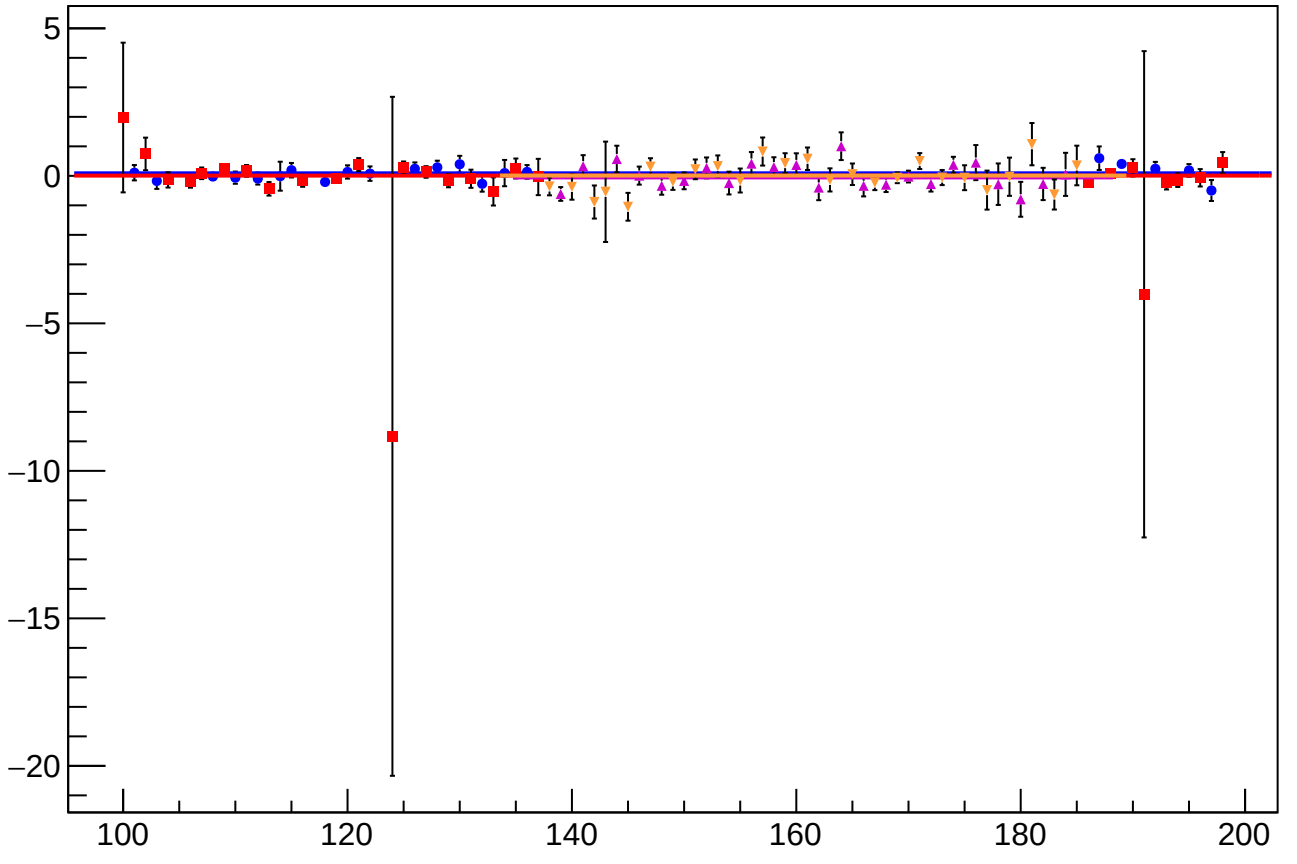
Right Out: 0.007+/-0.000 χ^2/NDF: 5374345.7/26

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14589943.1/45

All: 0.006+/-0.000 χ^2/NDF: 27823921.8/95

\- sign 0.006+/-0.000 χ^2/NDF: 13232496.1/49



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

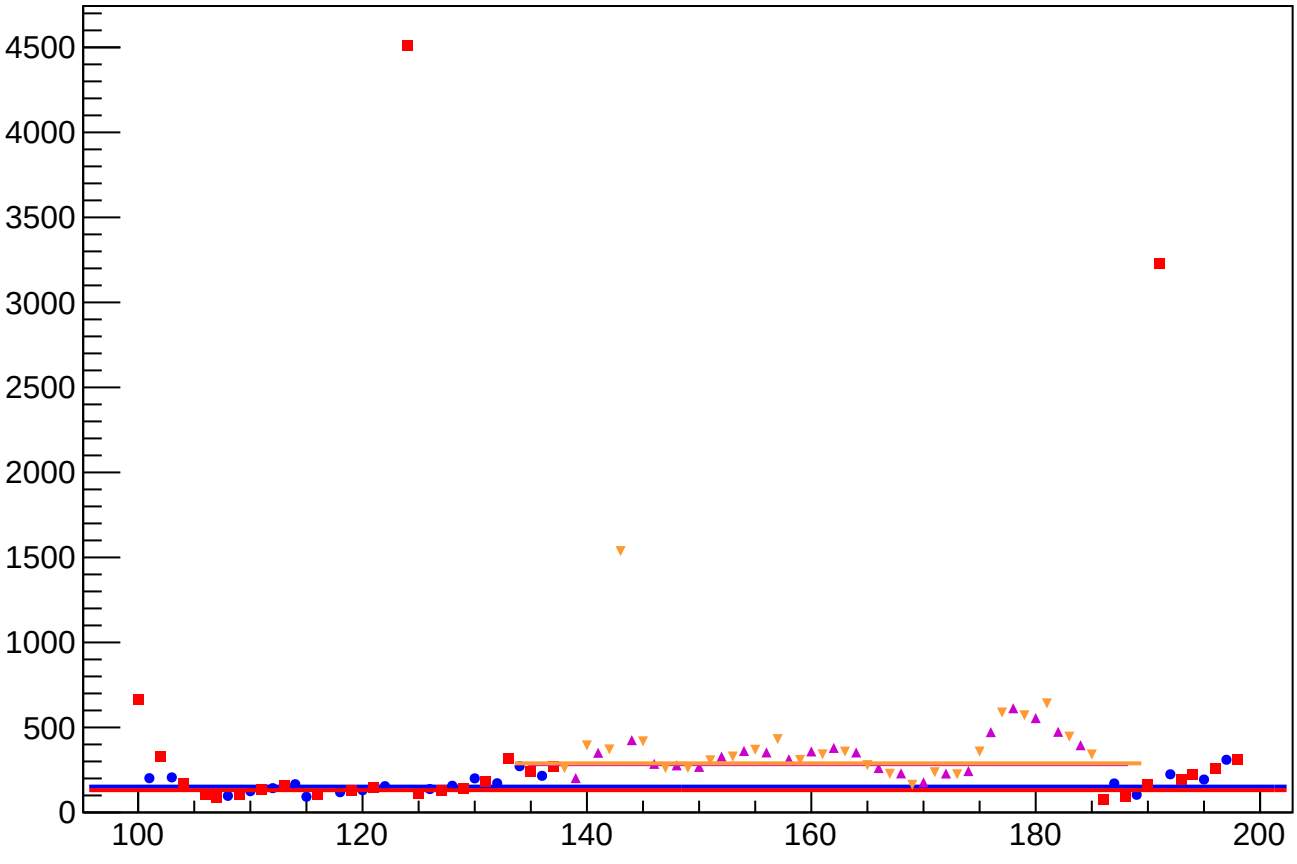
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

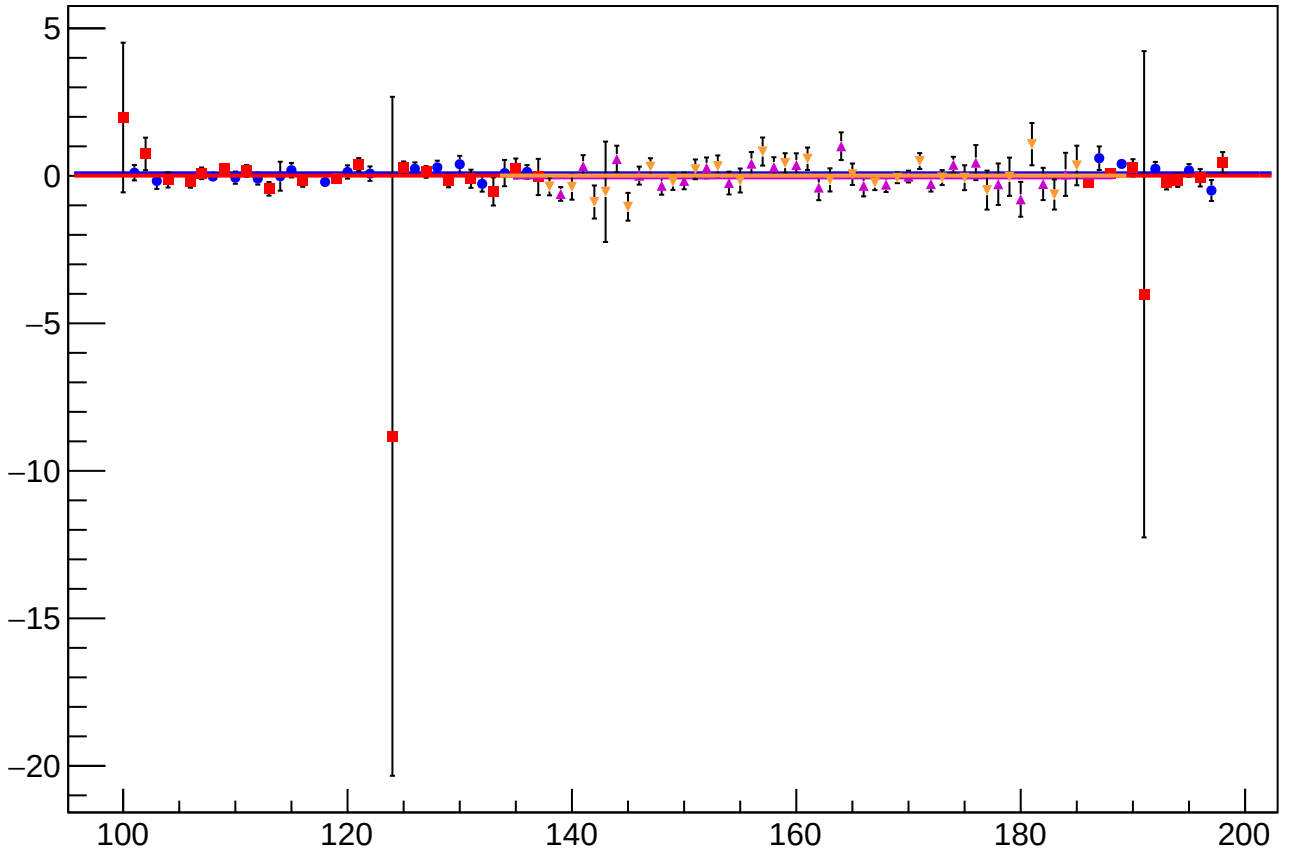
Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.451+/-0.029 χ^2/NDF: 11502095.0/45

All: 182.710+/-0.019 χ^2/NDF: 25964366.1/95

- sign 171.275+/-0.026 χ^2/NDF: 14002062.1/49



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

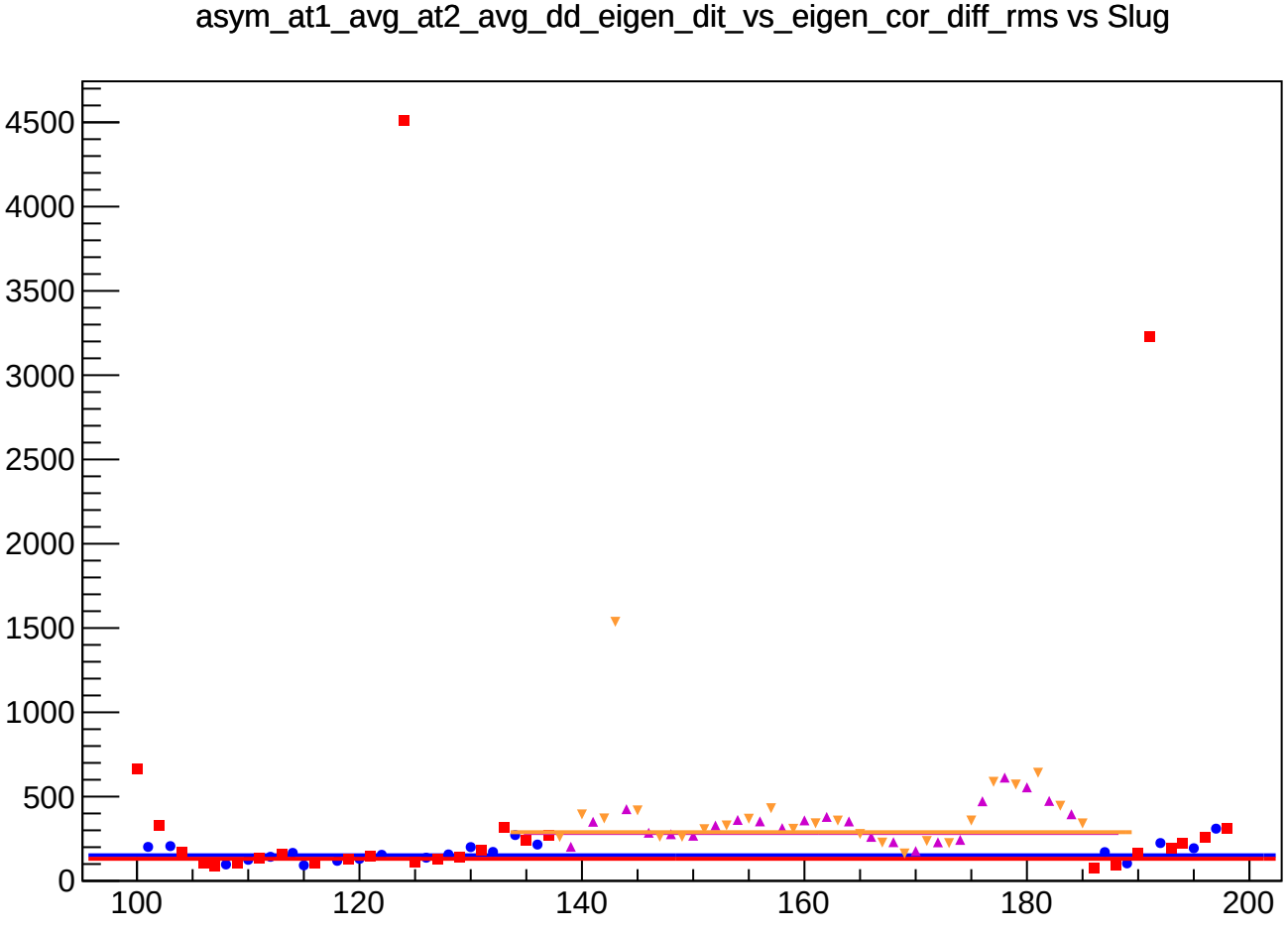
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

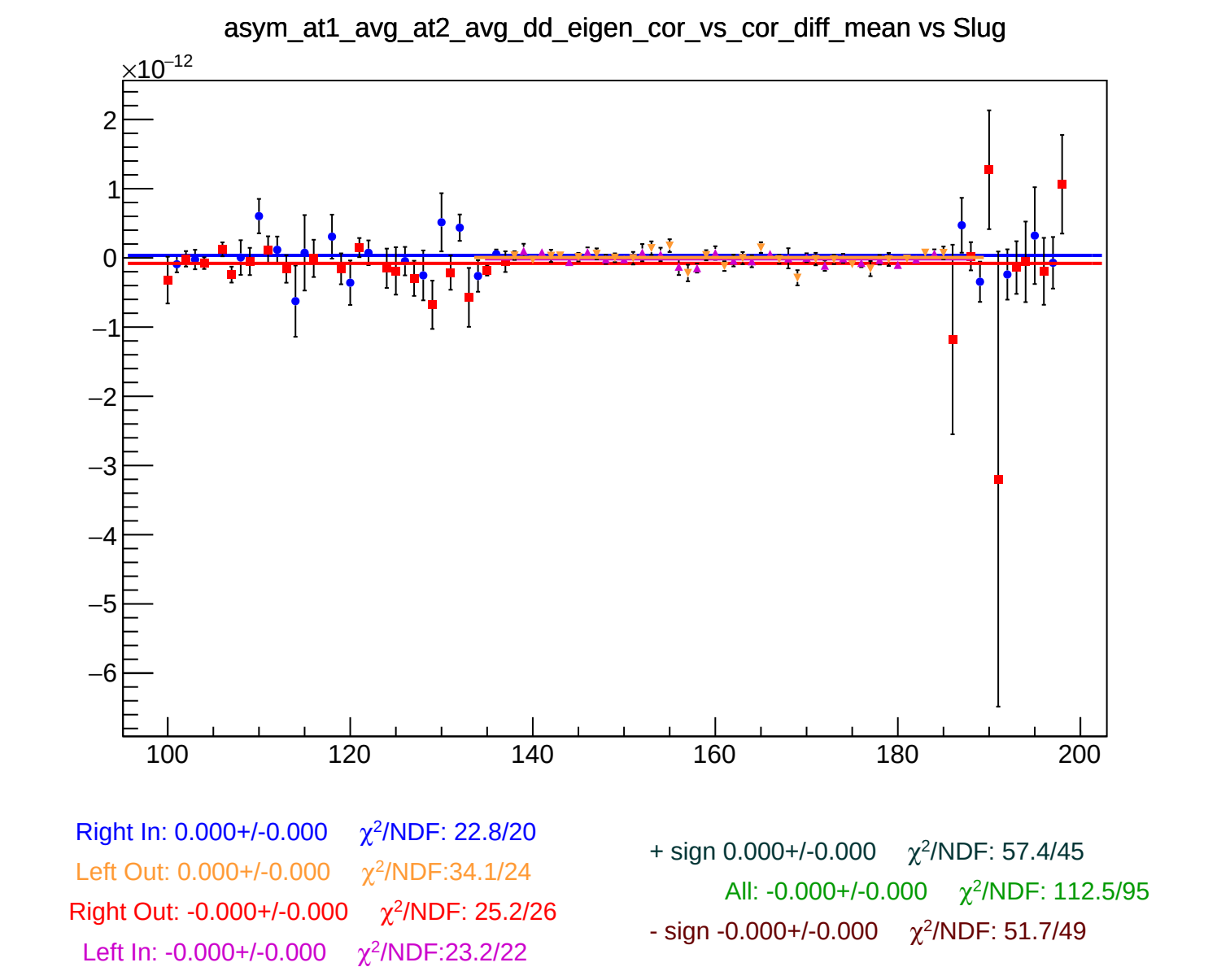
Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

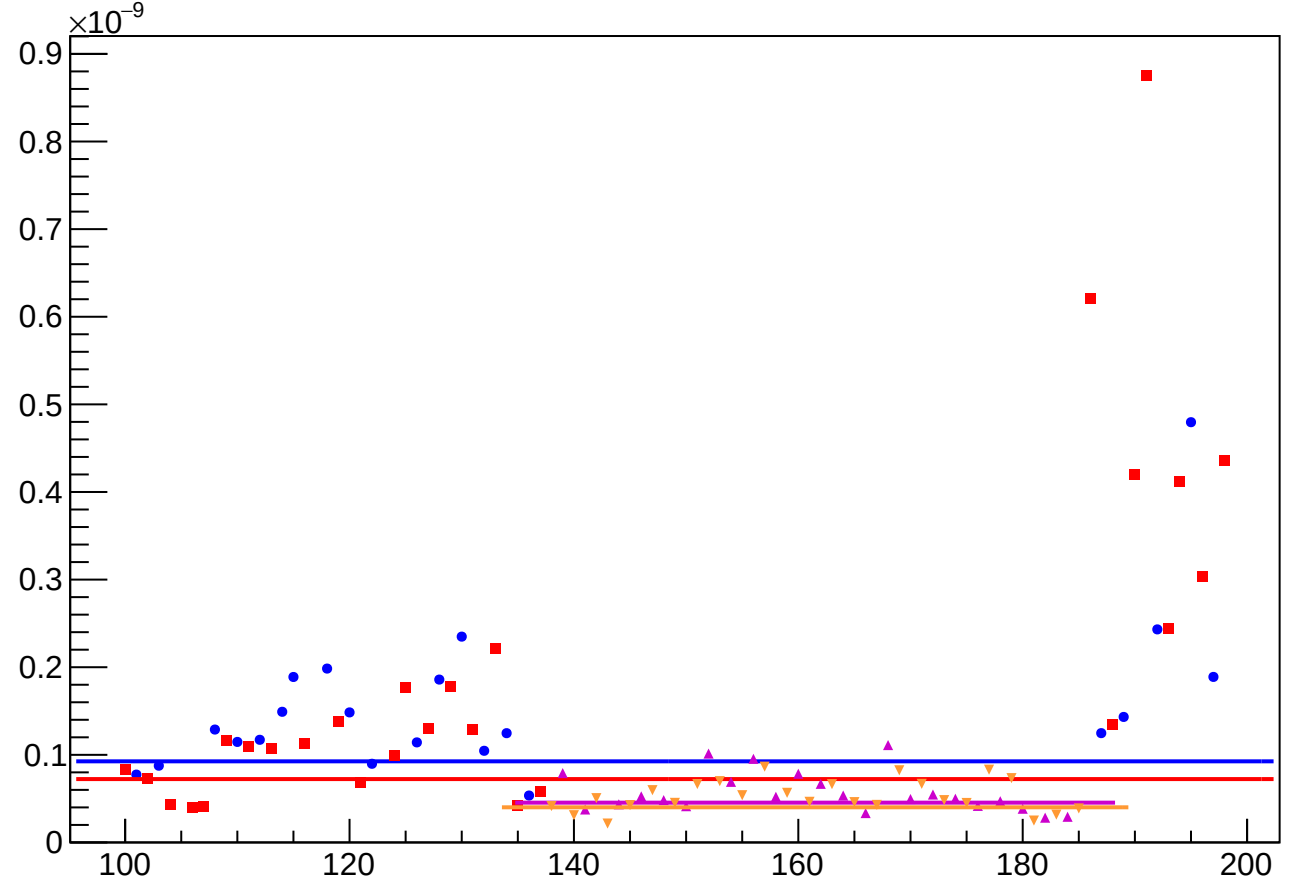
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.451+/-0.029 χ^2/NDF: 11502095.0/45

All: 182.710+/-0.019 χ^2/NDF: 25964366.1/95

- sign 171.275+/-0.026 χ^2/NDF: 14002062.1/49


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 22.8/20
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.2/26
Left In: -0.000+/-0.000 χ²/NDF:23.2/22
+ sign 0.000+/-0.000 χ²/NDF: 57.4/45
All: -0.000+/-0.000 χ²/NDF: 112.5/95
- sign -0.000+/-0.000 χ²/NDF: 51.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 2771415.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

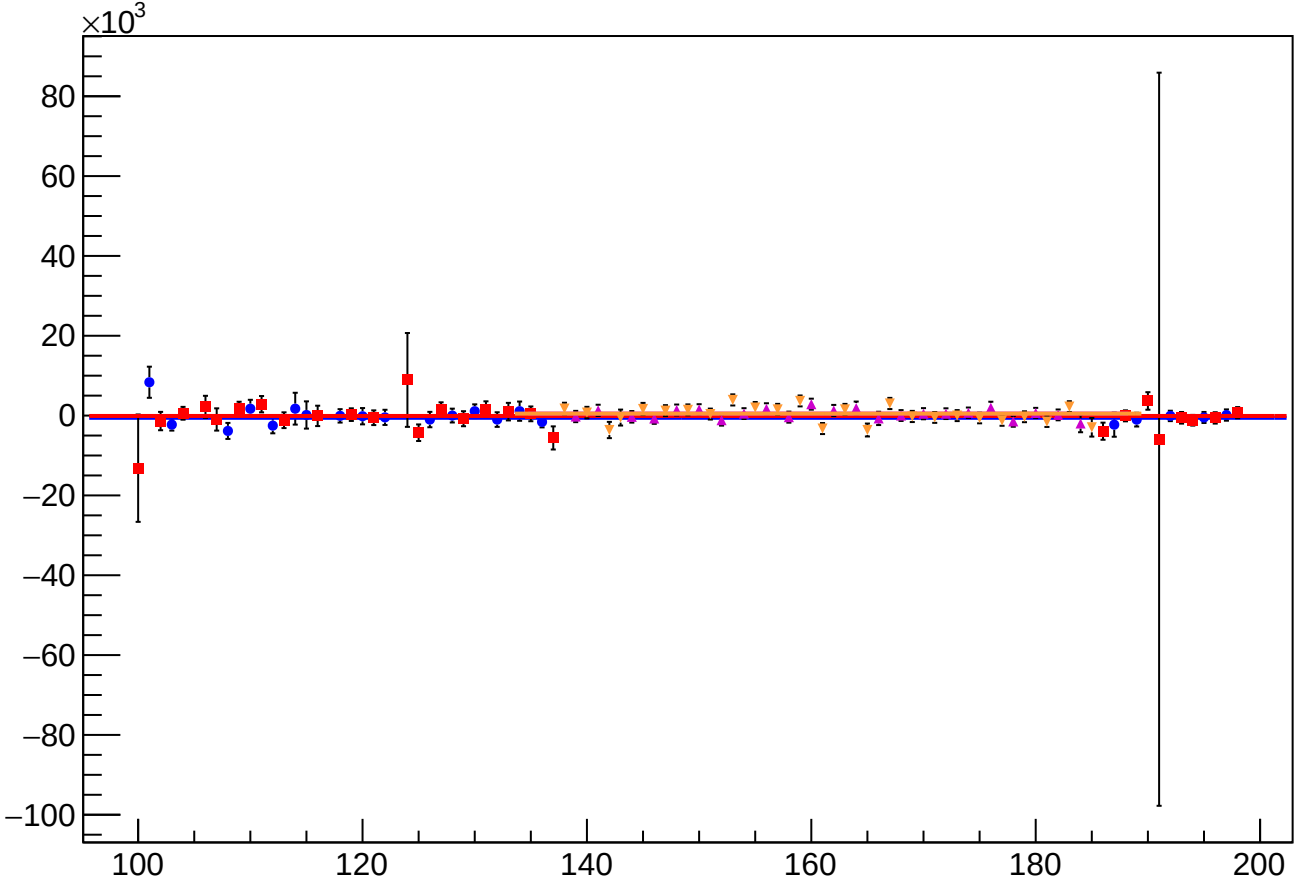
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9331289.6/45

All: 0.000+/-0.000 χ^2/NDF: 18649807.4/95

- sign 0.000+/-0.000 χ^2/NDF: 9155385.7/49

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -554.707+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -94.811+/-372.963 χ^2/NDF: 23.3/26

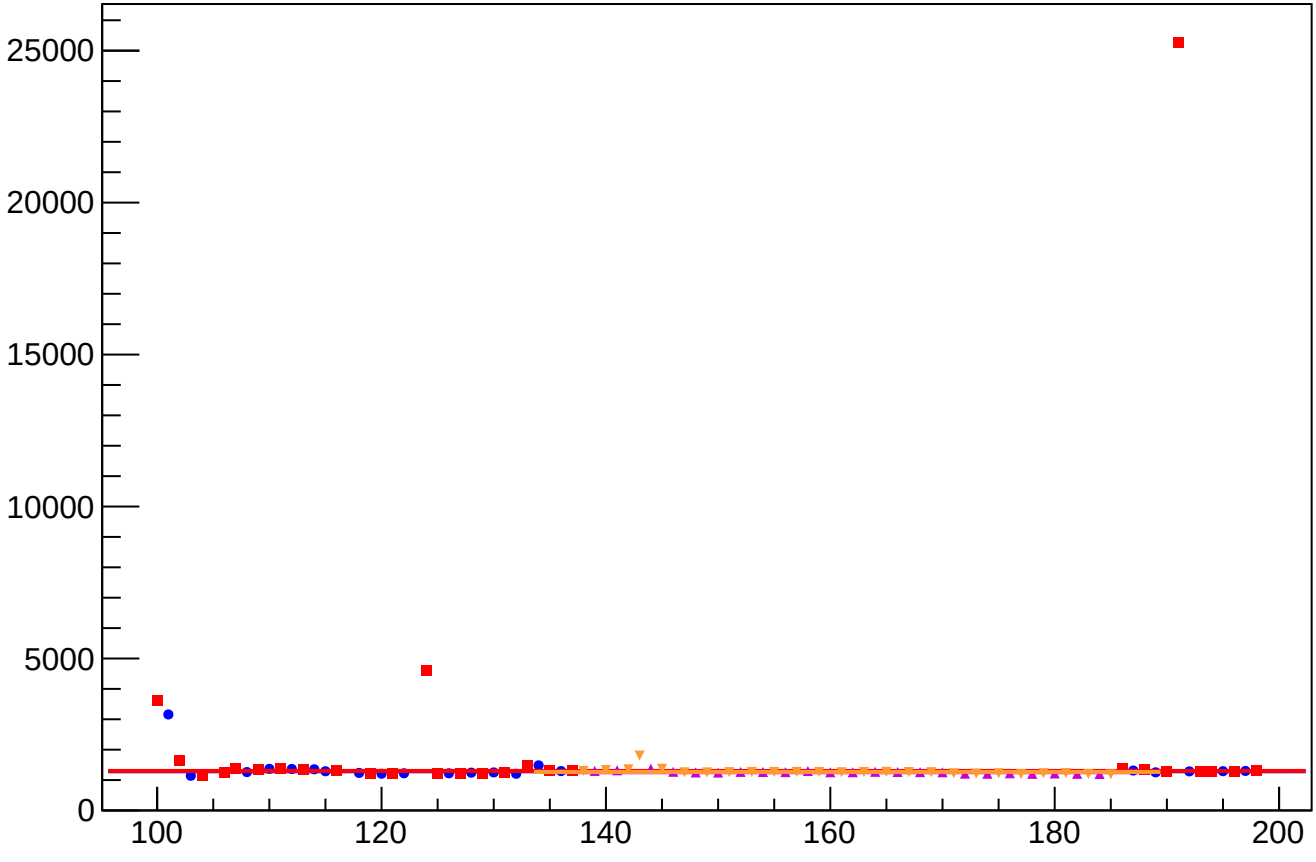
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 134.016+/-234.010 χ^2/NDF: 66.1/45

All: 199.978+/-164.315 χ^2/NDF: 105.5/95

- sign 264.130+/-230.777 χ^2/NDF: 39.2/49

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515758.7/20

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

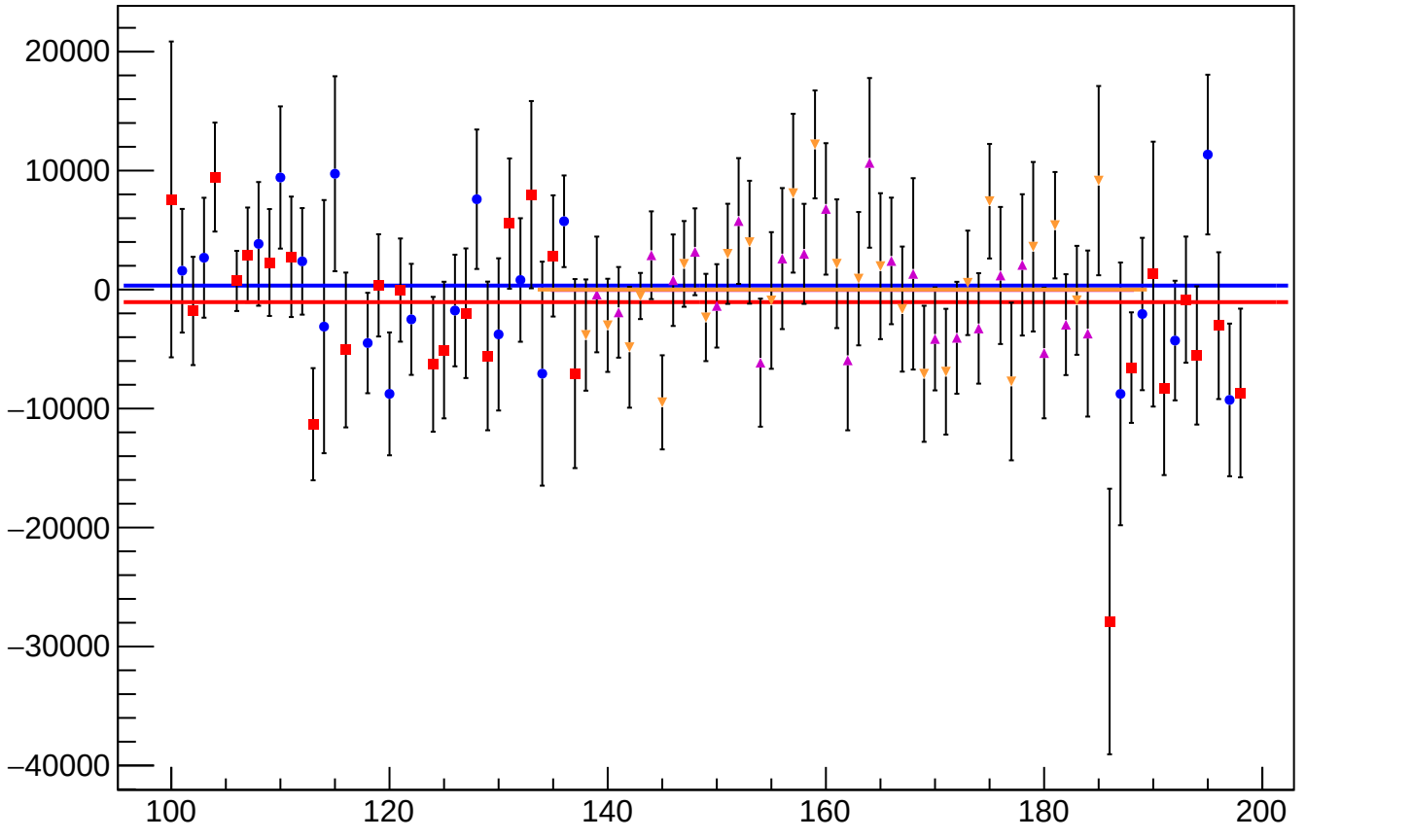
Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707202.5/45

All: 1274.251+/-0.116 χ^2/NDF: 1226358.9/95

- sign 1274.090+/-0.163 χ^2/NDF: 519154.5/49



Right In: 334.878+/-1205.577 χ^2/NDF: 20.8/20

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

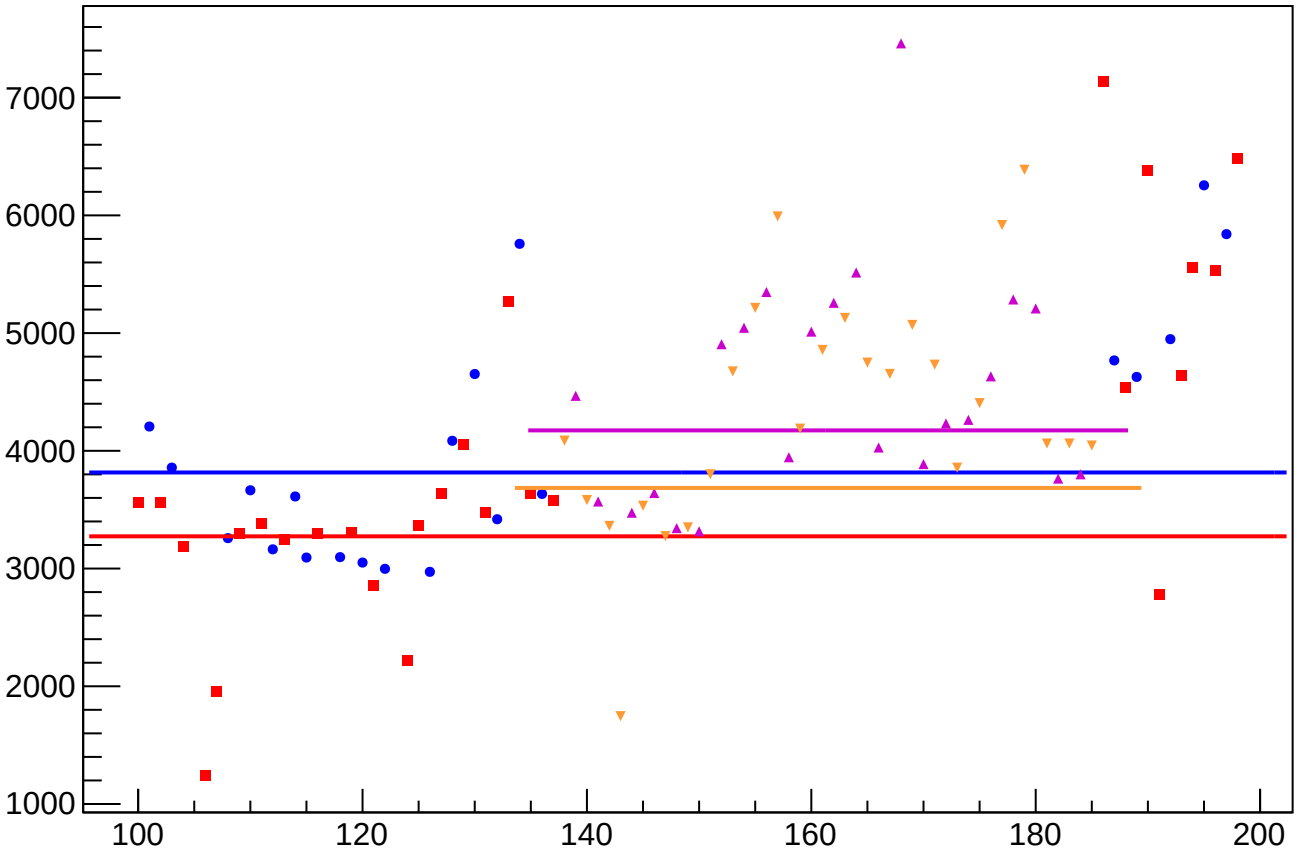
Right Out: -1054.355+/-998.678 χ^2/NDF: 29.5/26

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 117.131+/-714.190 χ^2/NDF: 49.9/45

All: -216.335+/-501.725 χ^2/NDF: 94.4/95

- sign -541.266+/-704.992 χ^2/NDF: 44.1/49



Right In: 3816.131+/-0.852 χ^2/NDF: 1074419.0/20

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

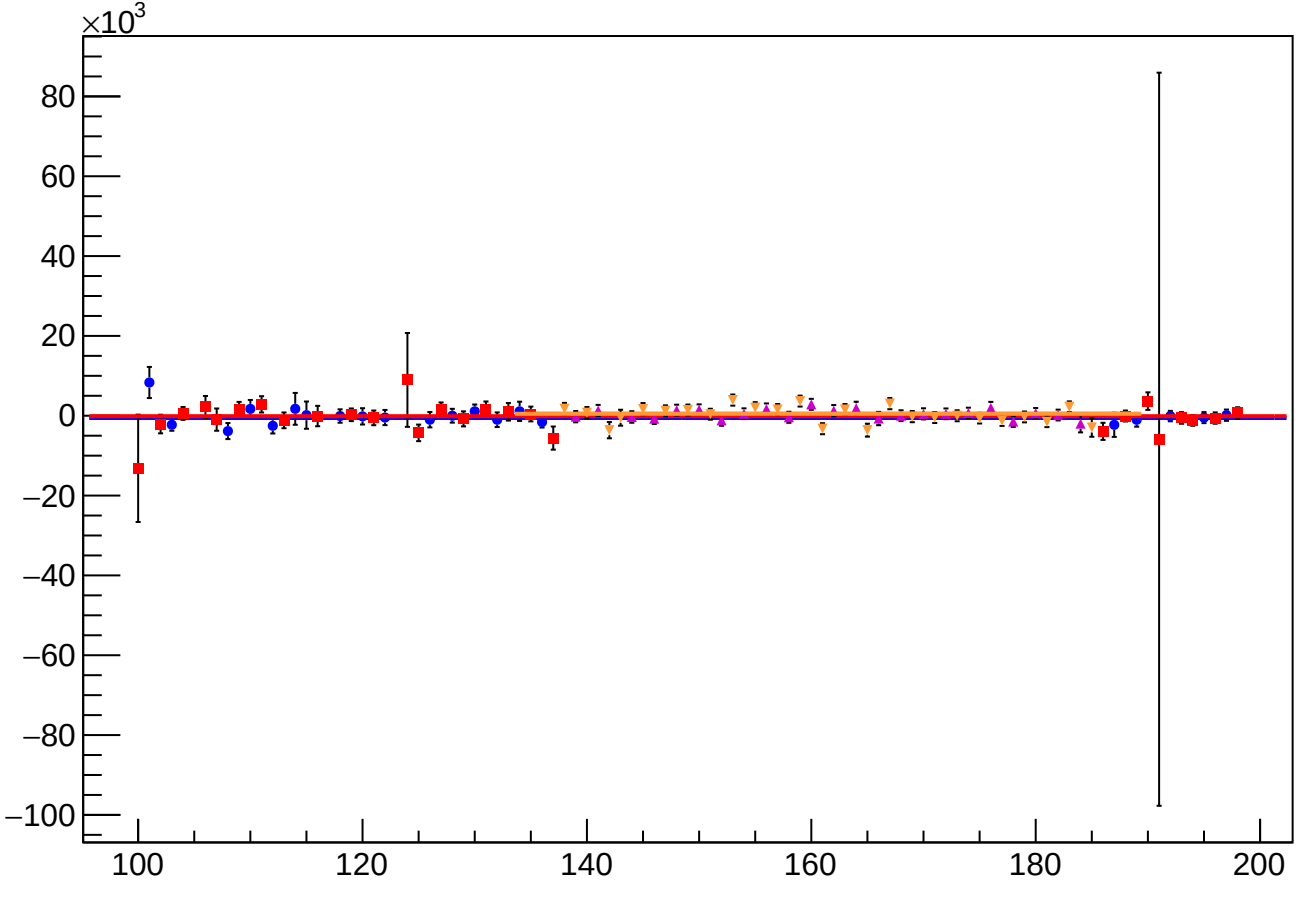
Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3730.869+/-0.505 χ^2/NDF: 4783477.7/45

All: 3727.971+/-0.355 χ^2/NDF: 10339661.8/9

- sign 3725.147+/-0.499 χ^2/NDF: 5556119.1/49



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

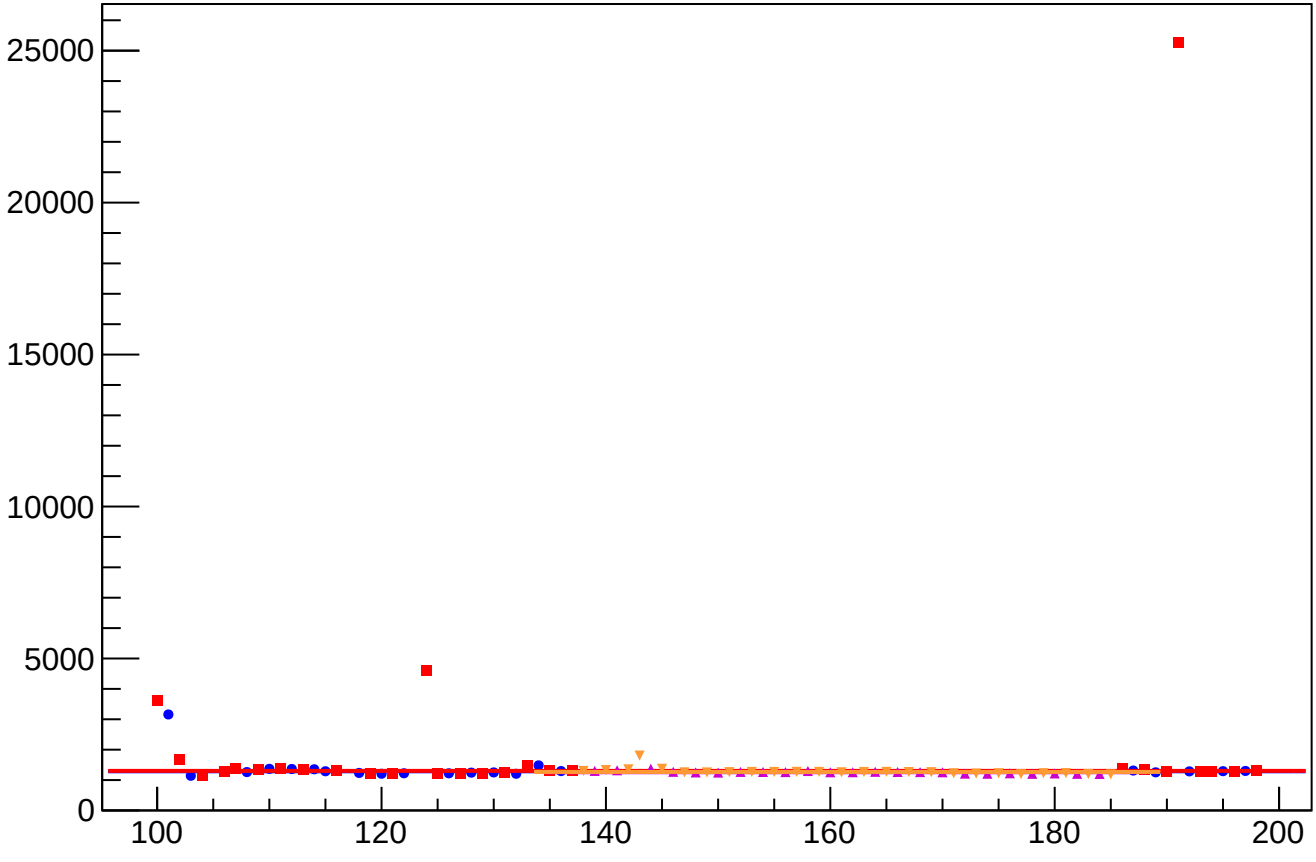
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 196.641+/-164.328 χ^2/NDF: 105.9/95

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

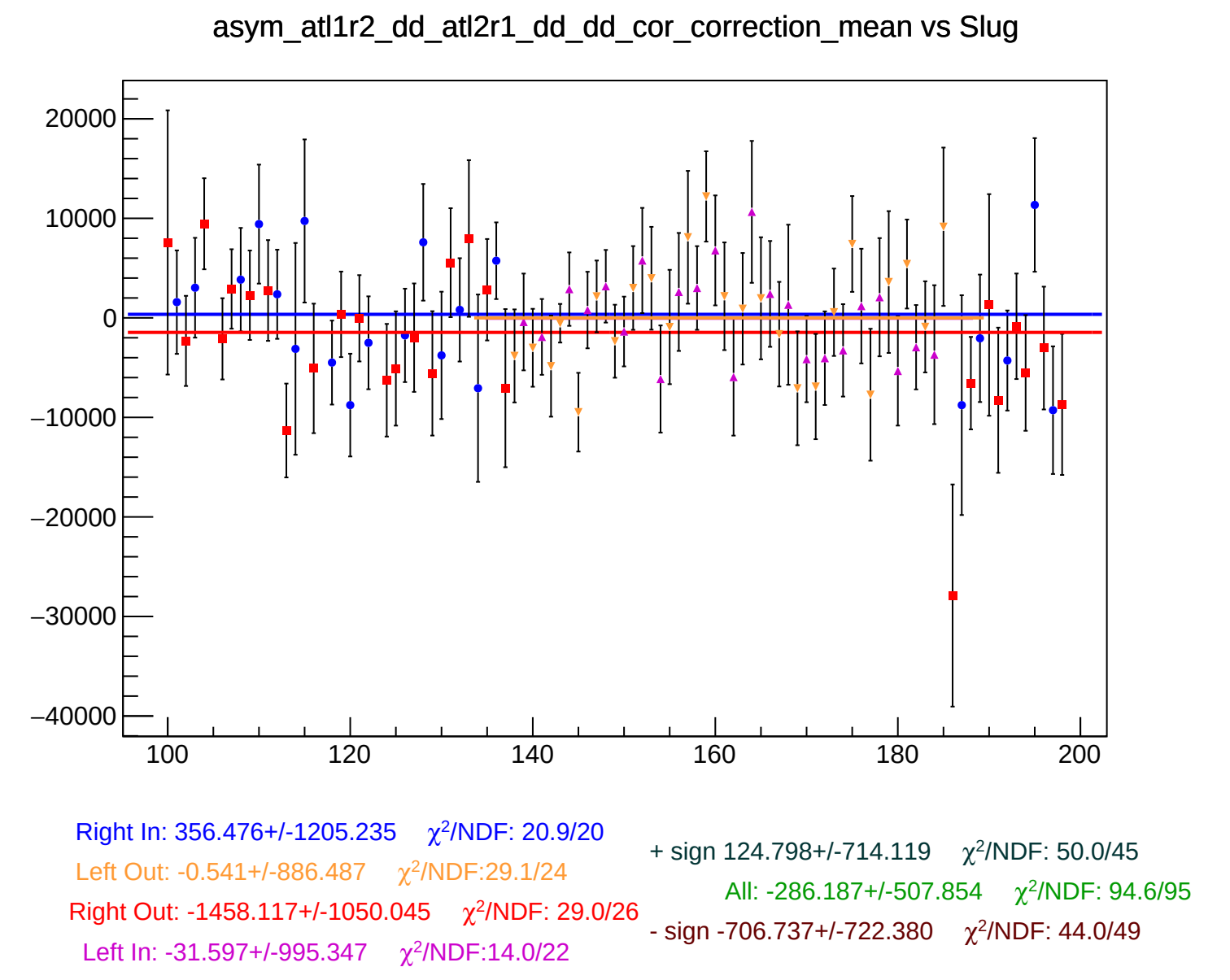
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

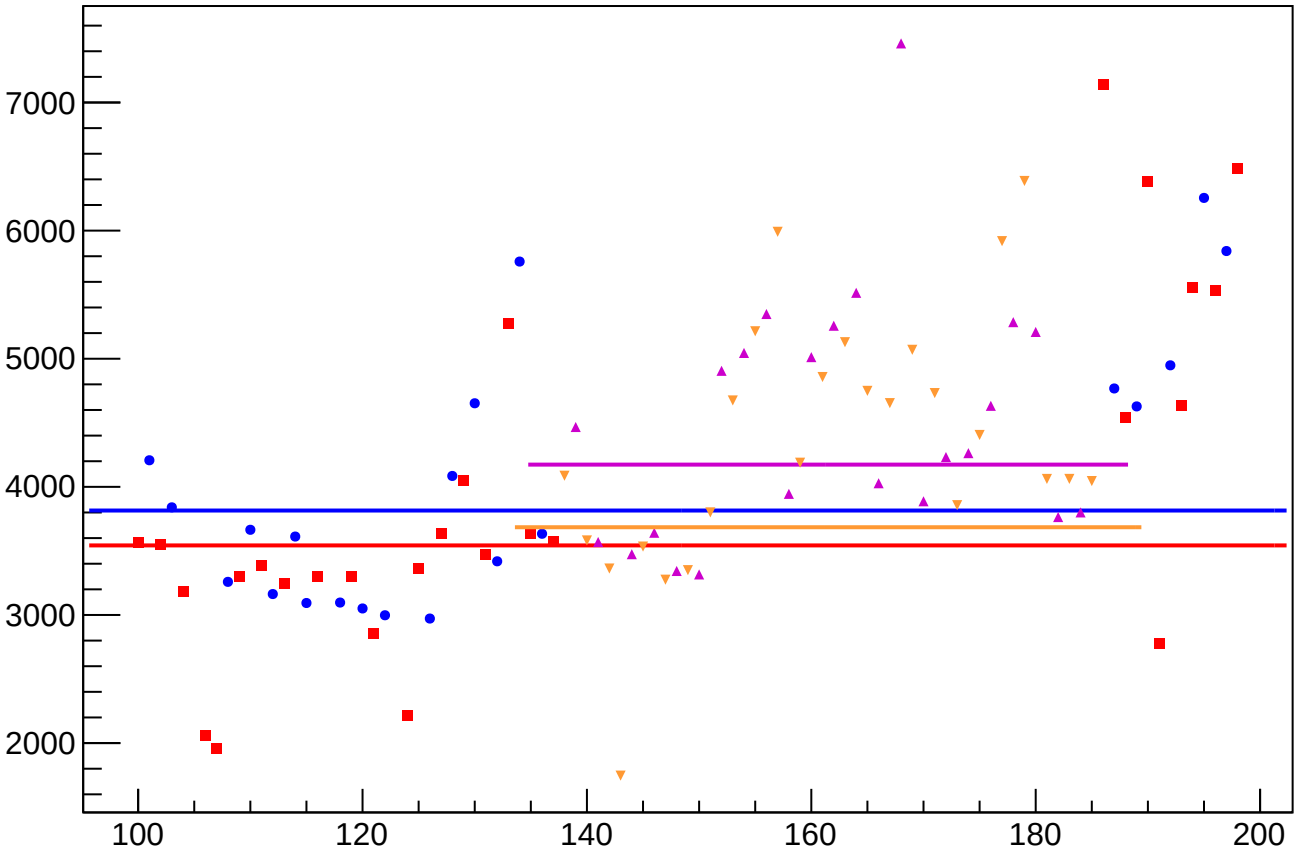
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95

- sign 1274.529+/-0.163 χ^2/NDF: 526539.9/49


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 356.476+/-1205.235 χ²/NDF: 20.9/20
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1458.117+/-1050.045 χ²/NDF: 29.0/26
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 124.798+/-714.119 χ²/NDF: 50.0/45
All: -286.187+/-507.854 χ²/NDF: 94.6/95
- sign -706.737+/-722.380 χ²/NDF: 44.0/49



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

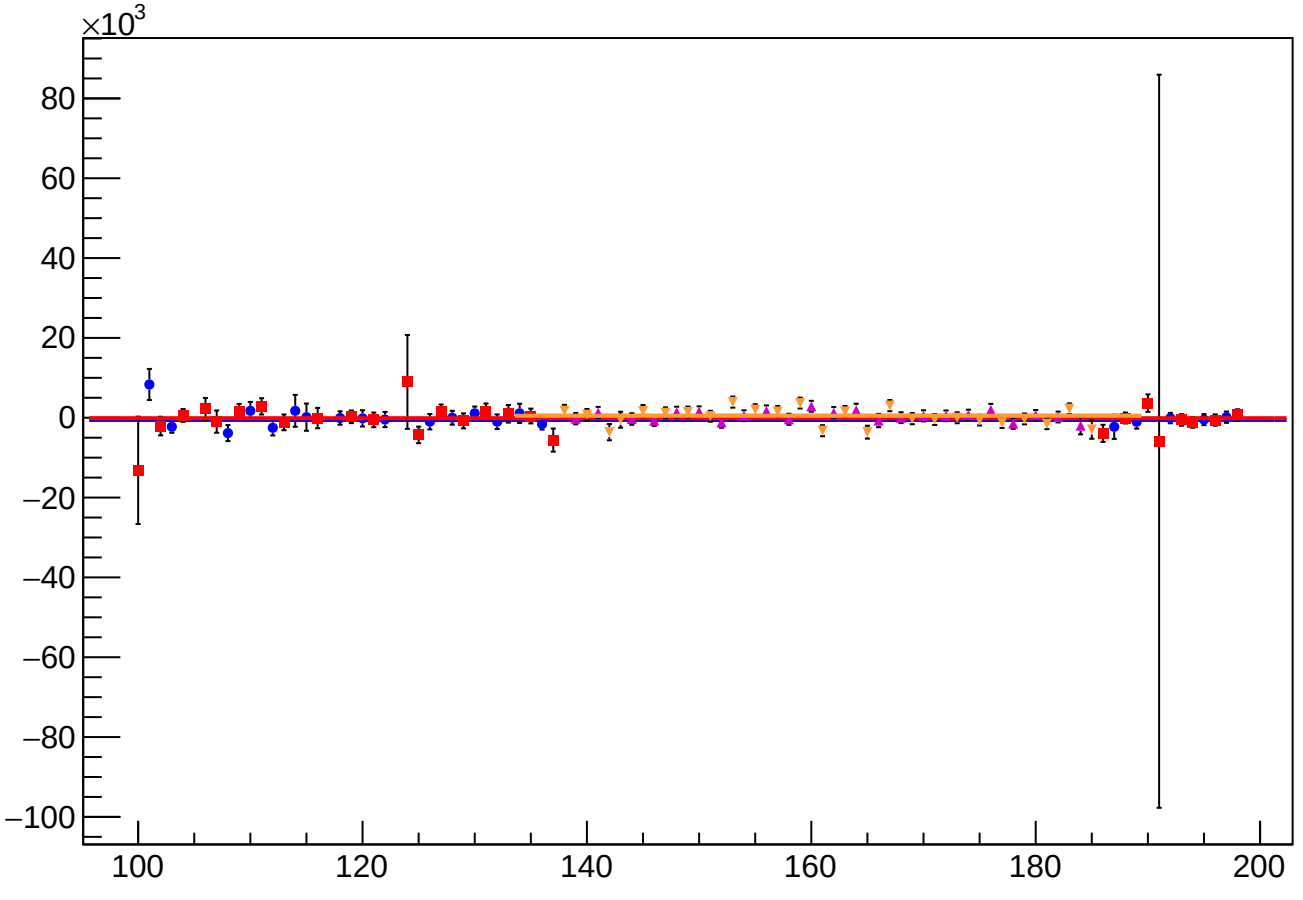
Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3730.555+/-0.505 χ^2/NDF: 4783283.5/45

All: 3801.987+/-0.359 χ^2/NDF: 8698820.3/95

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

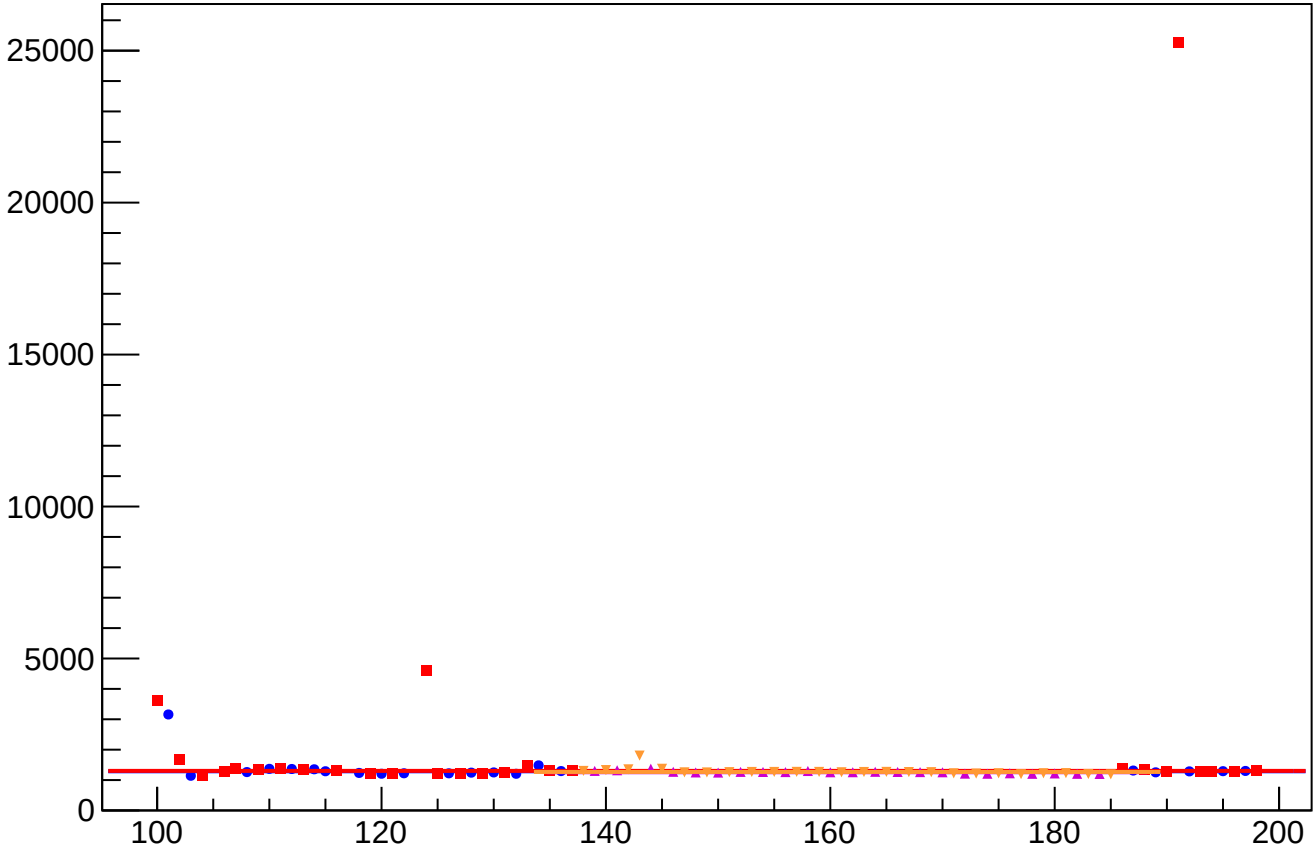
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 196.641+/-164.328 χ^2/NDF: 105.9/95

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

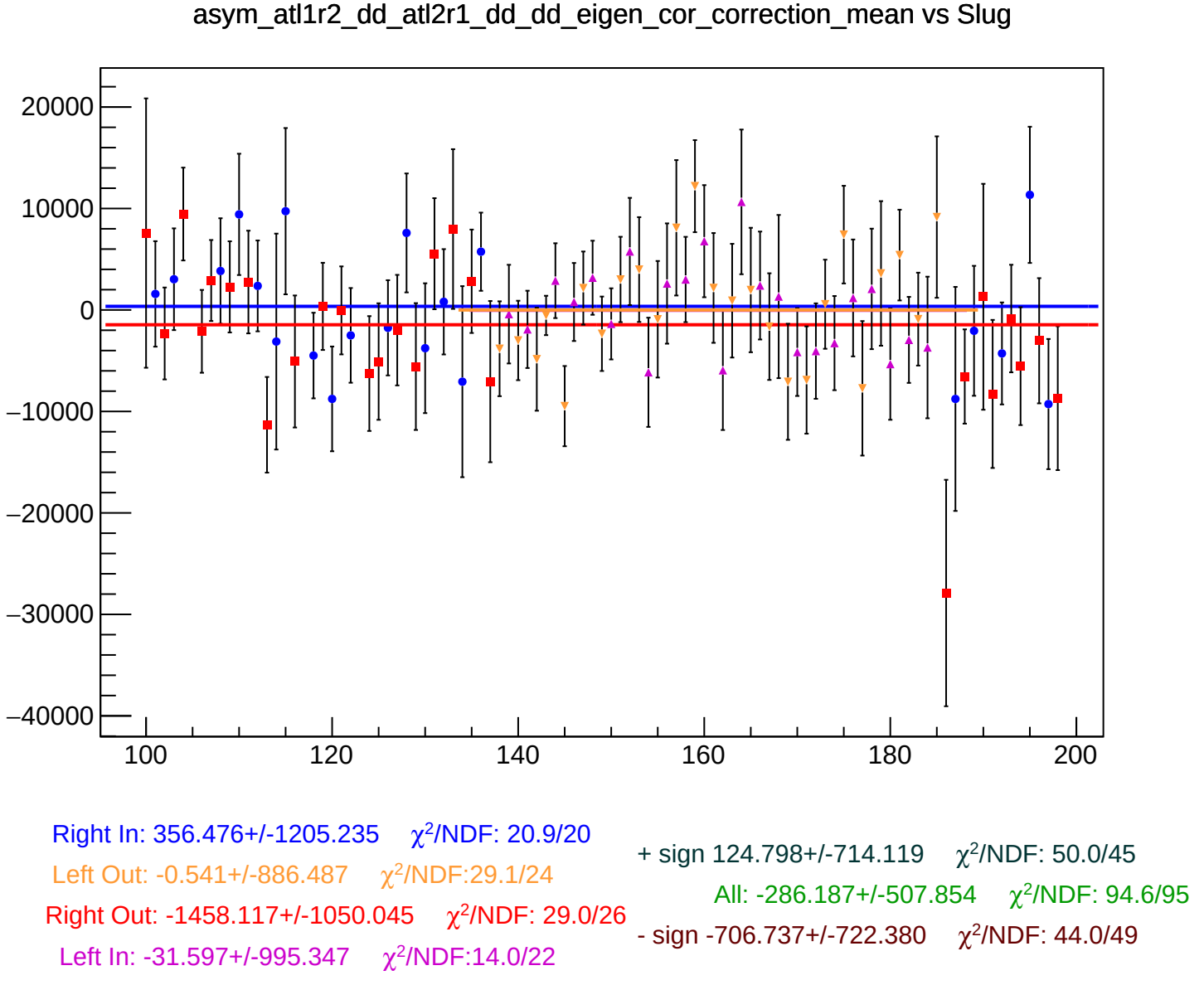
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

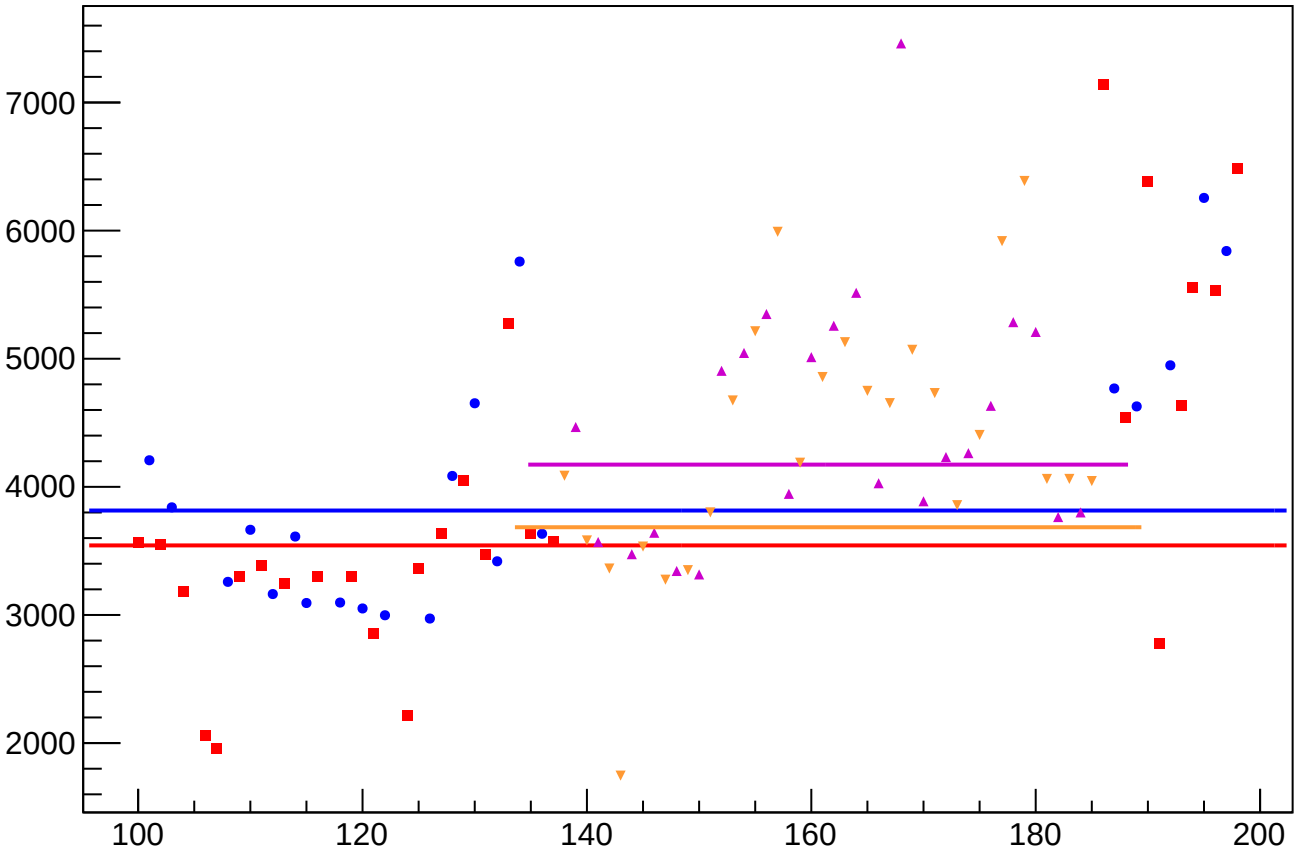
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.474+/-0.116 χ^2/NDF: 1233744.0/95

- sign 1274.529+/-0.163 χ^2/NDF: 526539.9/49


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: 356.476+/-1205.235 χ²/NDF: 20.9/20
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1458.117+/-1050.045 χ²/NDF: 29.0/26
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 124.798+/-714.119 χ²/NDF: 50.0/45
All: -286.187+/-507.854 χ²/NDF: 94.6/95
- sign -706.737+/-722.380 χ²/NDF: 44.0/49



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

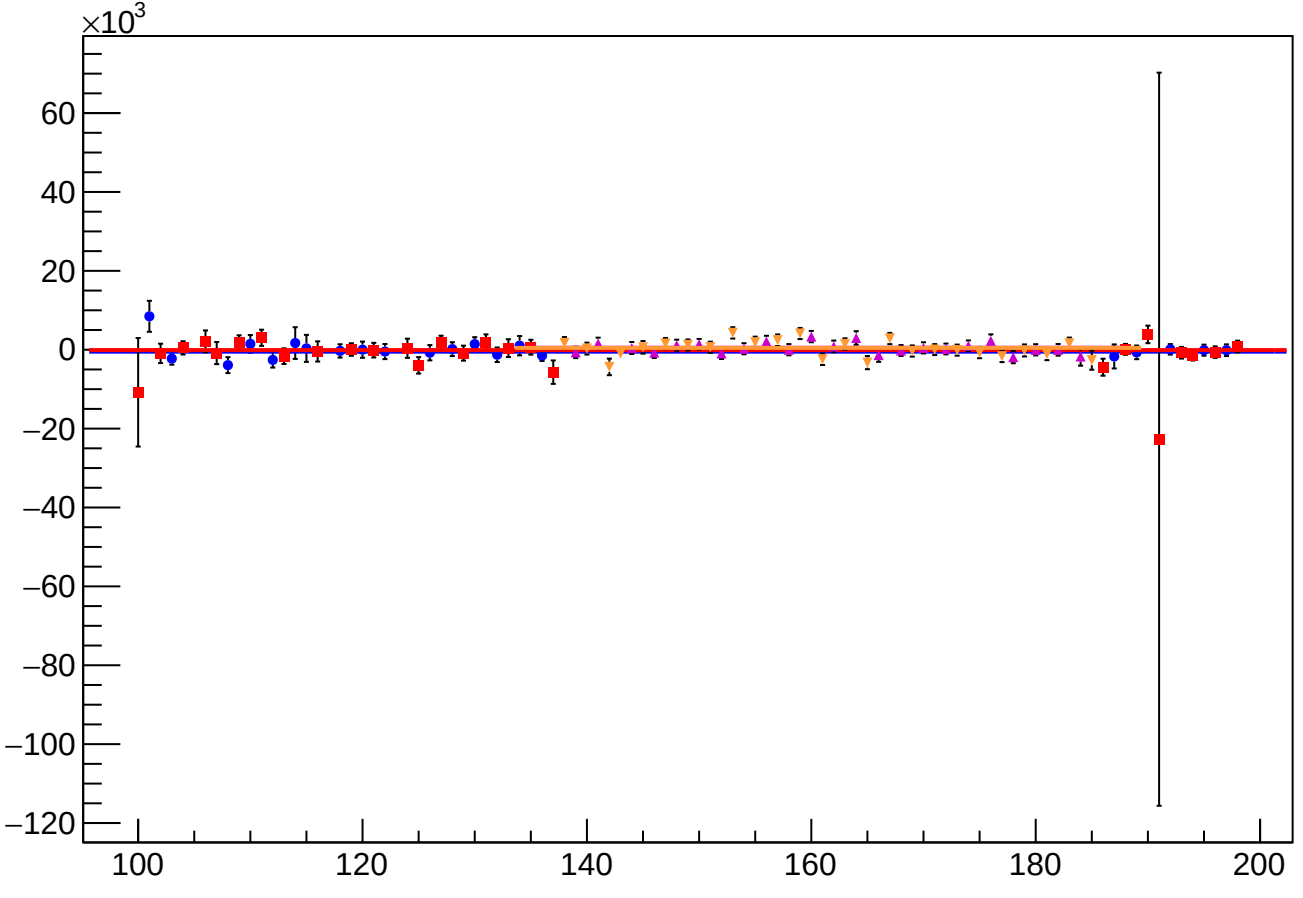
Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3730.555+/-0.505 χ^2/NDF: 4783283.5/45

All: 3801.987+/-0.359 χ^2/NDF: 8698820.3/95

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.322+/-374.882 χ^2/NDF: 24.0/26

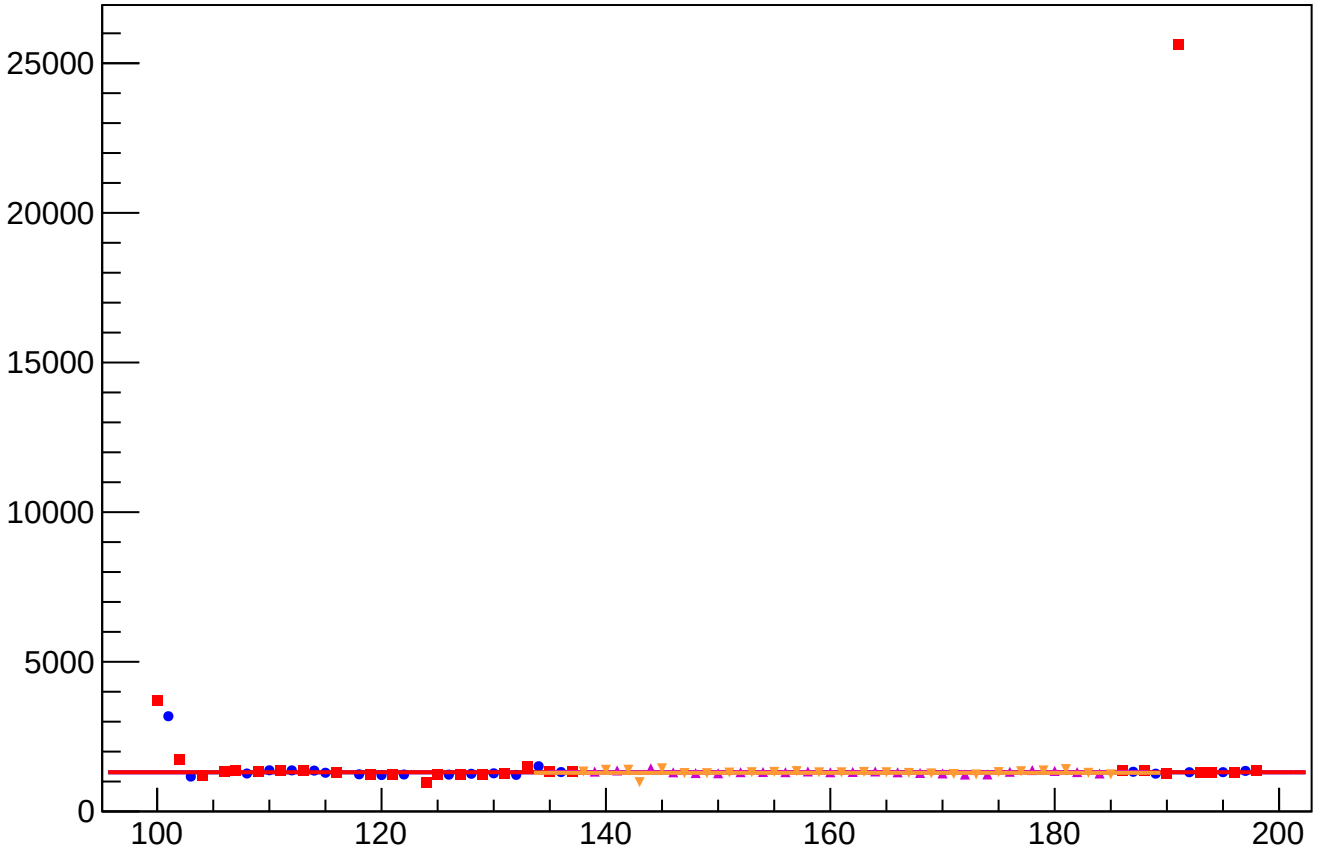
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 139.422+/-238.246 χ^2/NDF: 62.4/45

All: 201.846+/-168.217 χ^2/NDF: 105.5/95

- sign 263.903+/-237.544 χ^2/NDF: 42.9/49

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1307.353+/-0.287 χ^2/NDF: 514221.9/20

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

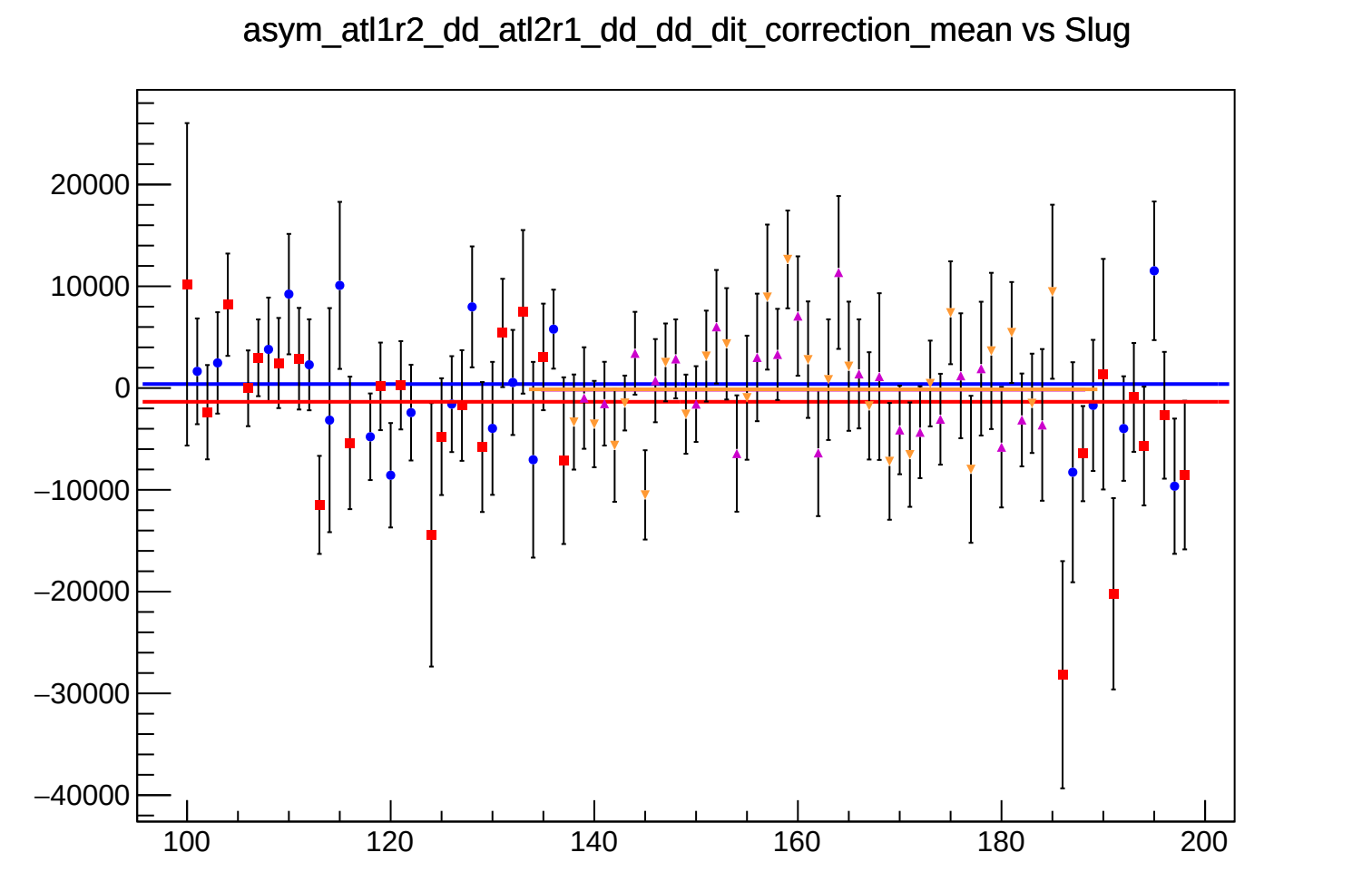
Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.771+/-0.168 χ^2/NDF: 747030.3/45

All: 1304.648+/-0.119 χ^2/NDF: 1157654.8/95

- sign 1312.475+/-0.168 χ^2/NDF: 406266.1/49



Right In: 394.384+/-1210.625 χ^2/NDF: 20.7/20

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

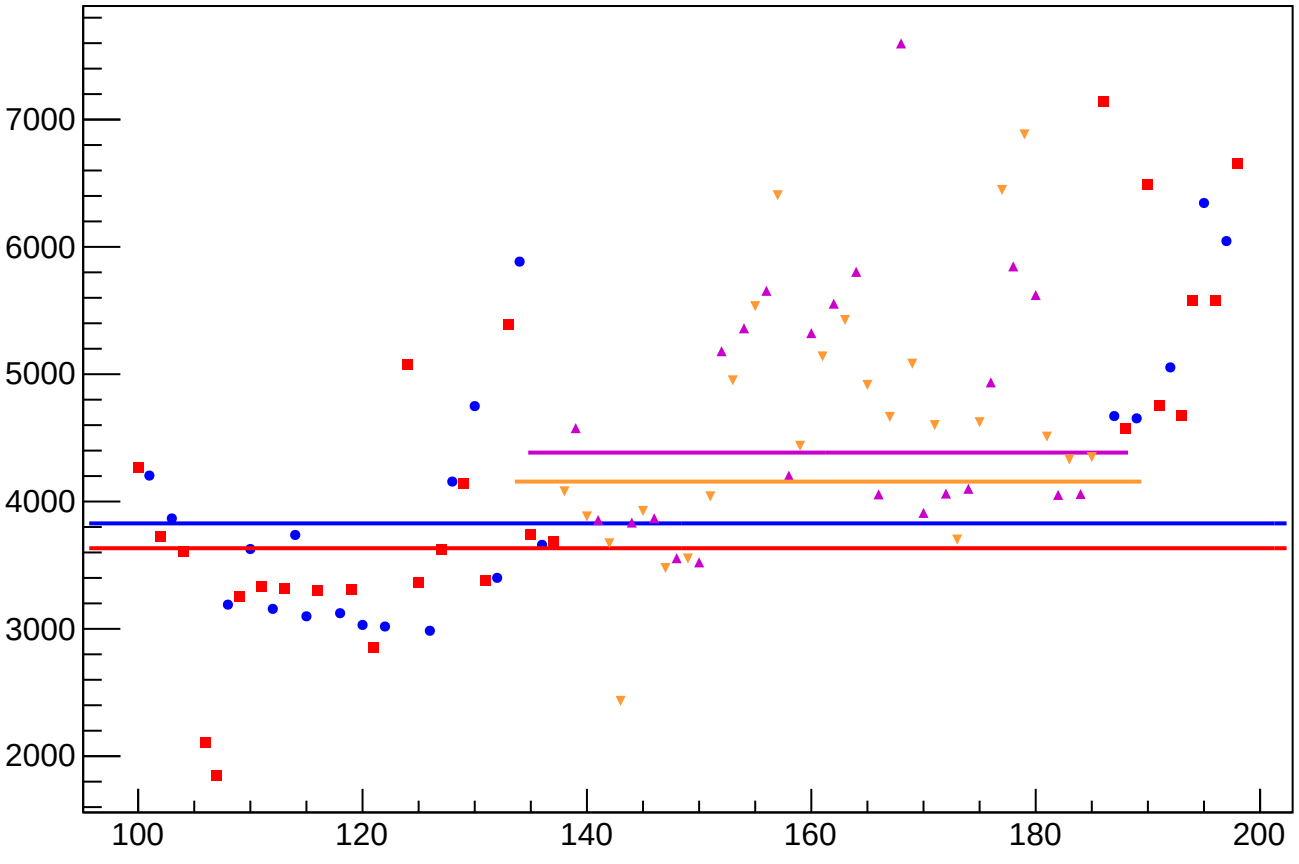
Right Out: -1349.010+/-1068.322 χ^2/NDF: 30.7/26

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

\+ sign 78.532+/-760.407 χ^2/NDF: 49.4/45

All: -338.601+/-532.966 χ^2/NDF: 95.0/95

\- sign -741.395+/-747.222 χ^2/NDF: 45.1/49



Right In: 3828.348+/-0.856 χ^2/NDF: 1141062.0/20

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

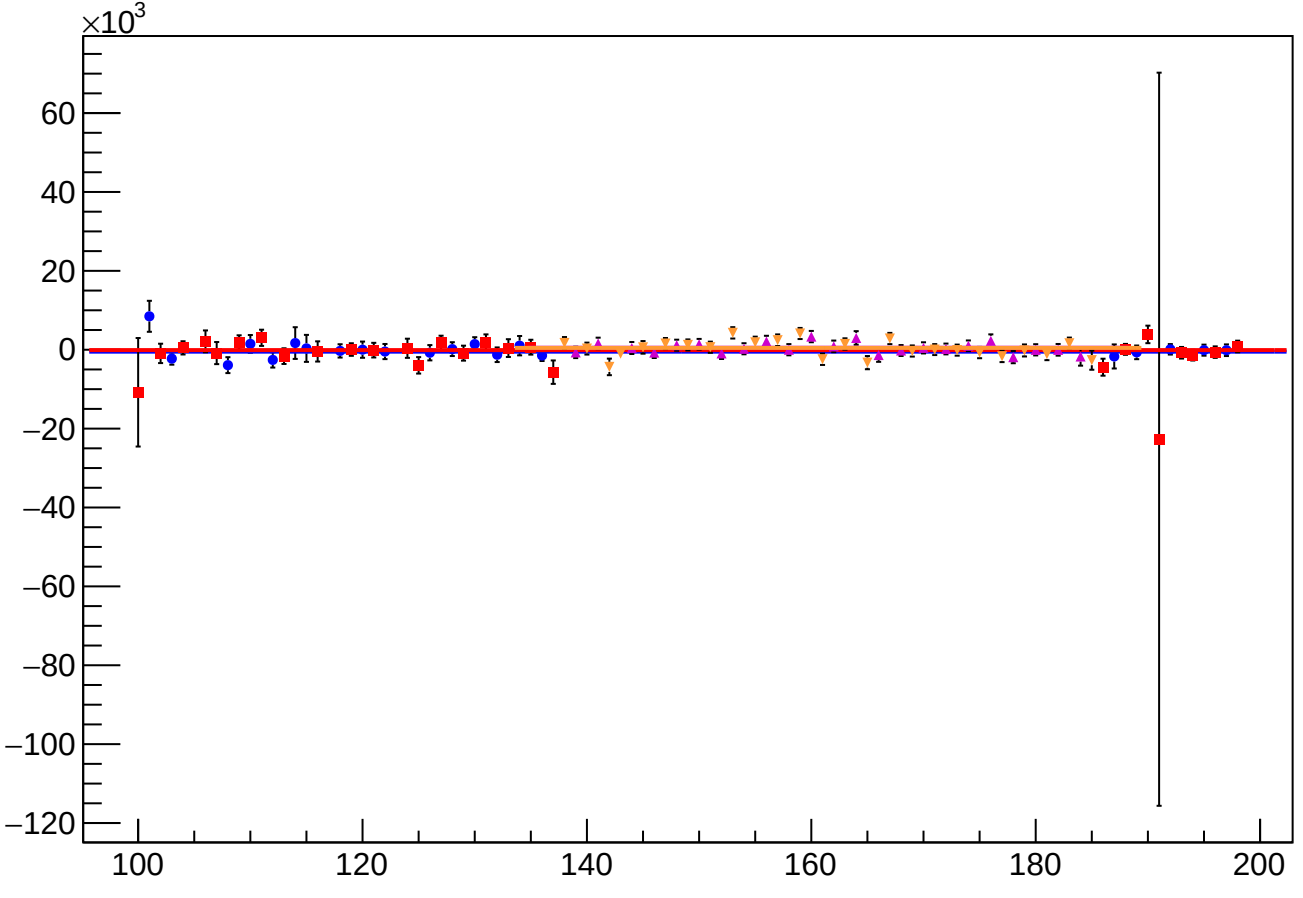
Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4027.086+/-0.538 χ^2/NDF: 3310845.6/45

All: 4021.918+/-0.377 χ^2/NDF: 7382768.6/95

- sign 4016.928+/-0.528 χ^2/NDF: 4071741.4/49



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.319+/-374.882 χ^2/NDF: 24.0/26

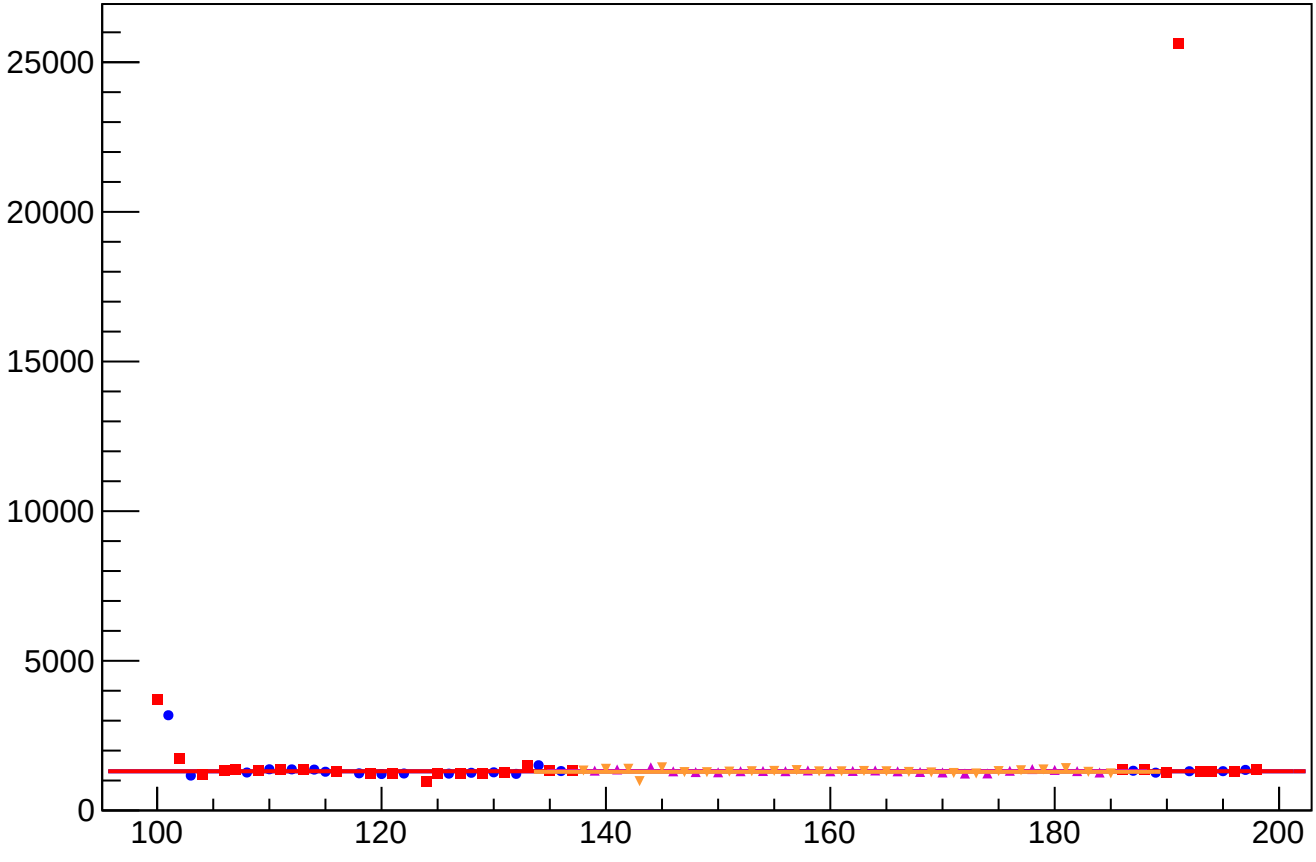
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 139.424+/-238.246 χ^2/NDF: 62.4/45

All: 201.848+/-168.217 χ^2/NDF: 105.5/95

- sign 263.904+/-237.544 χ^2/NDF: 42.9/49

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1307.353+/-0.287 χ^2/NDF: 514222.1/20

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

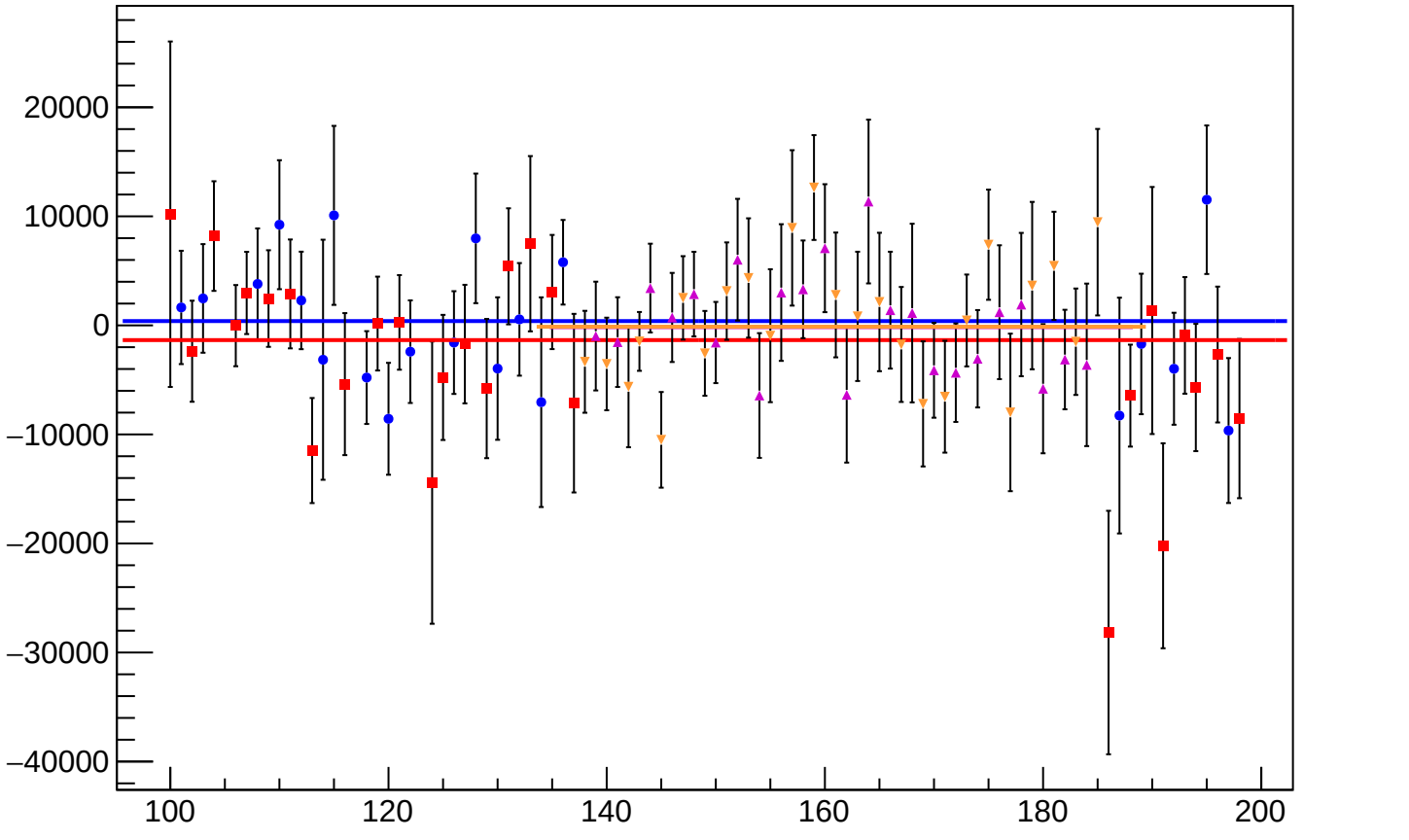
Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.772+/-0.168 χ^2/NDF: 747032.7/45

All: 1304.649+/-0.119 χ^2/NDF: 1157659.7/95

- sign 1312.476+/-0.168 χ^2/NDF: 406268.6/49



Right In: 394.376+/-1210.623 χ^2/NDF: 20.7/20

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

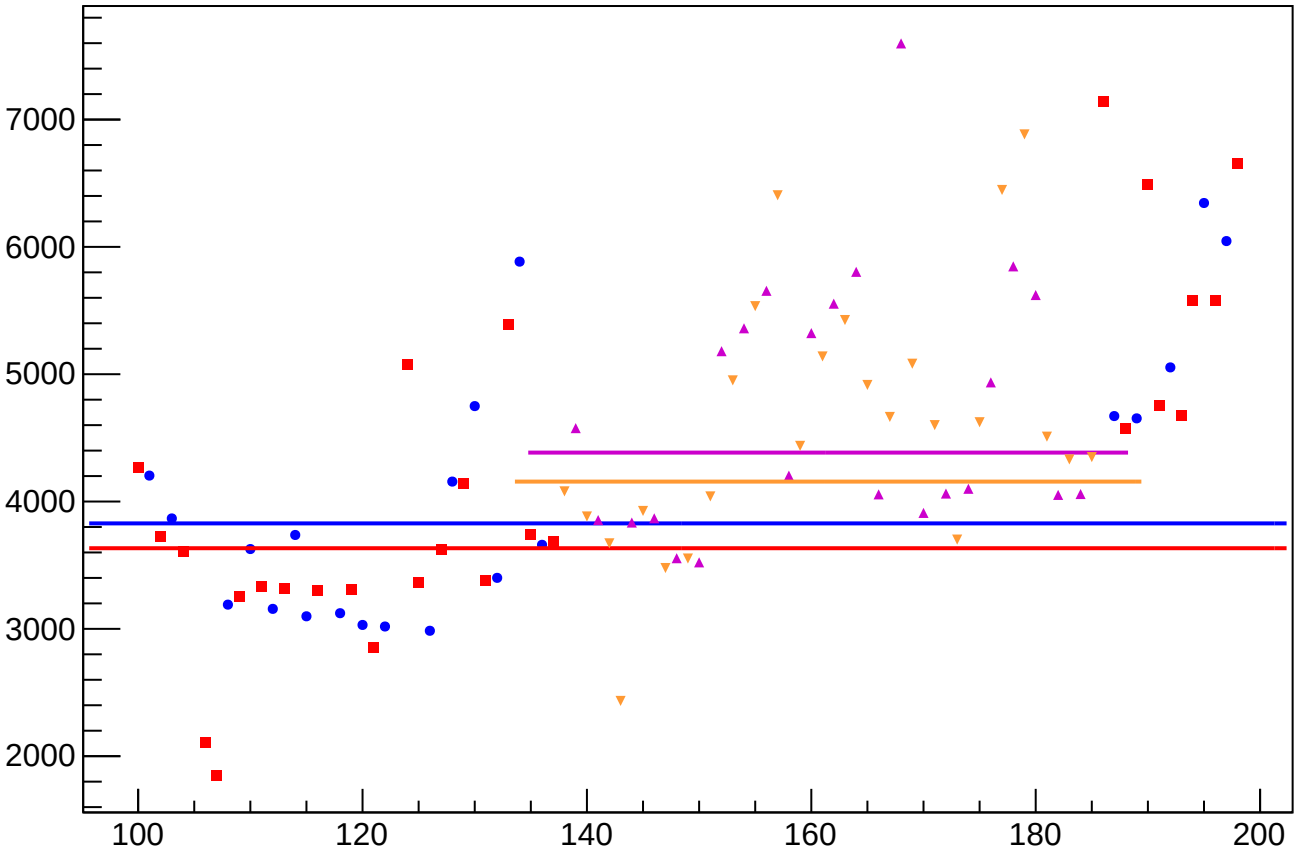
Right Out: -1349.002+/-1068.321 χ^2/NDF: 30.7/26

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 78.532+/-760.407 χ^2/NDF: 49.4/45

All: -338.601+/-532.966 χ^2/NDF: 95.0/95

- sign -741.393+/-747.222 χ^2/NDF: 45.1/49



Right In: 3828.339+/-0.856 χ^2/NDF: 1141077.9/20

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3633.318+/-0.755 χ^2/NDF: 2311456.9/26

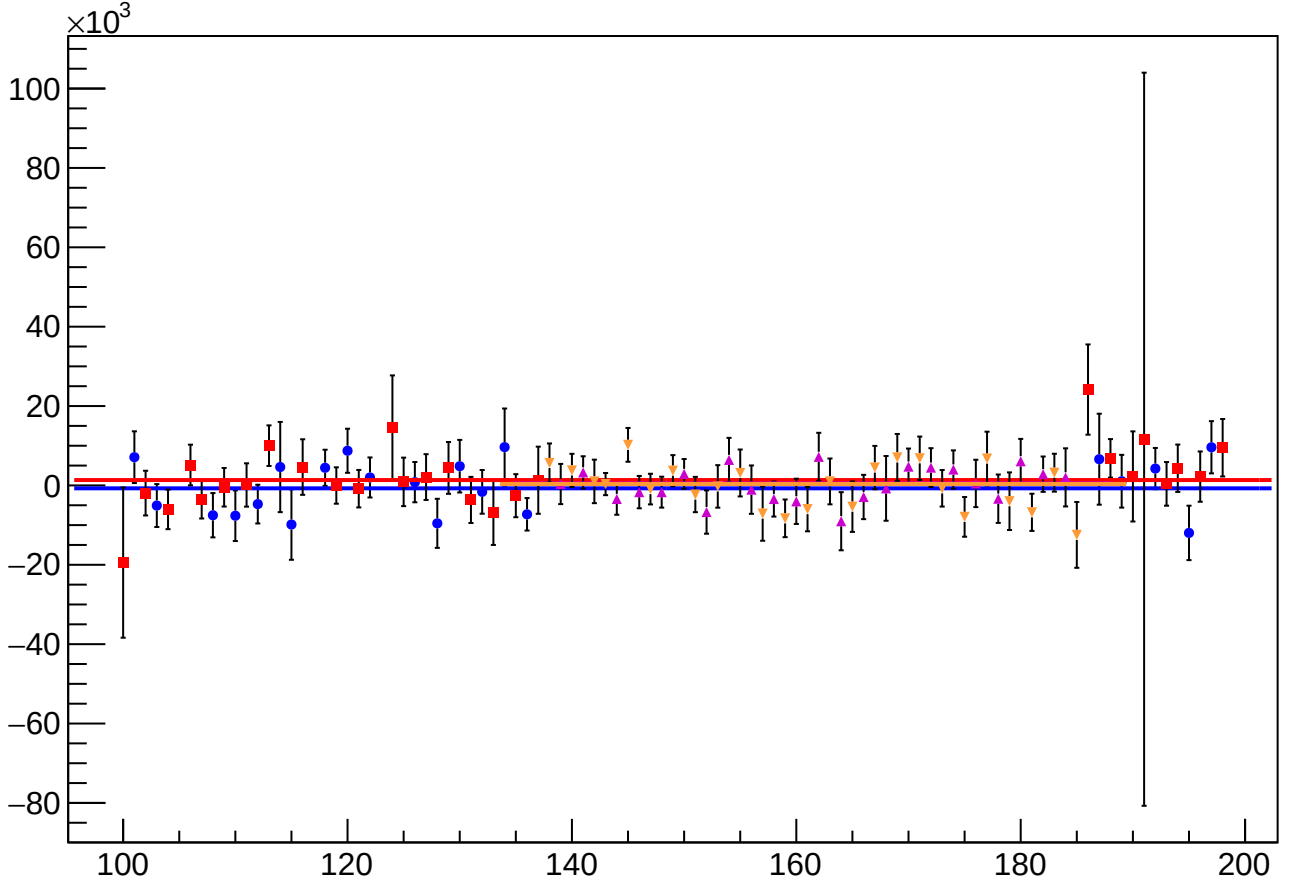
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4027.086+/-0.538 χ^2/NDF: 3310872.4/45

All: 4021.918+/-0.377 χ^2/NDF: 7382834.4/95

- sign 4016.927+/-0.528 χ^2/NDF: 4071780.4/49

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -732.996+/-1291.410 χ^2/NDF: 24.3/20

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1352.994+/-1175.781 χ^2/NDF: 19.3/26

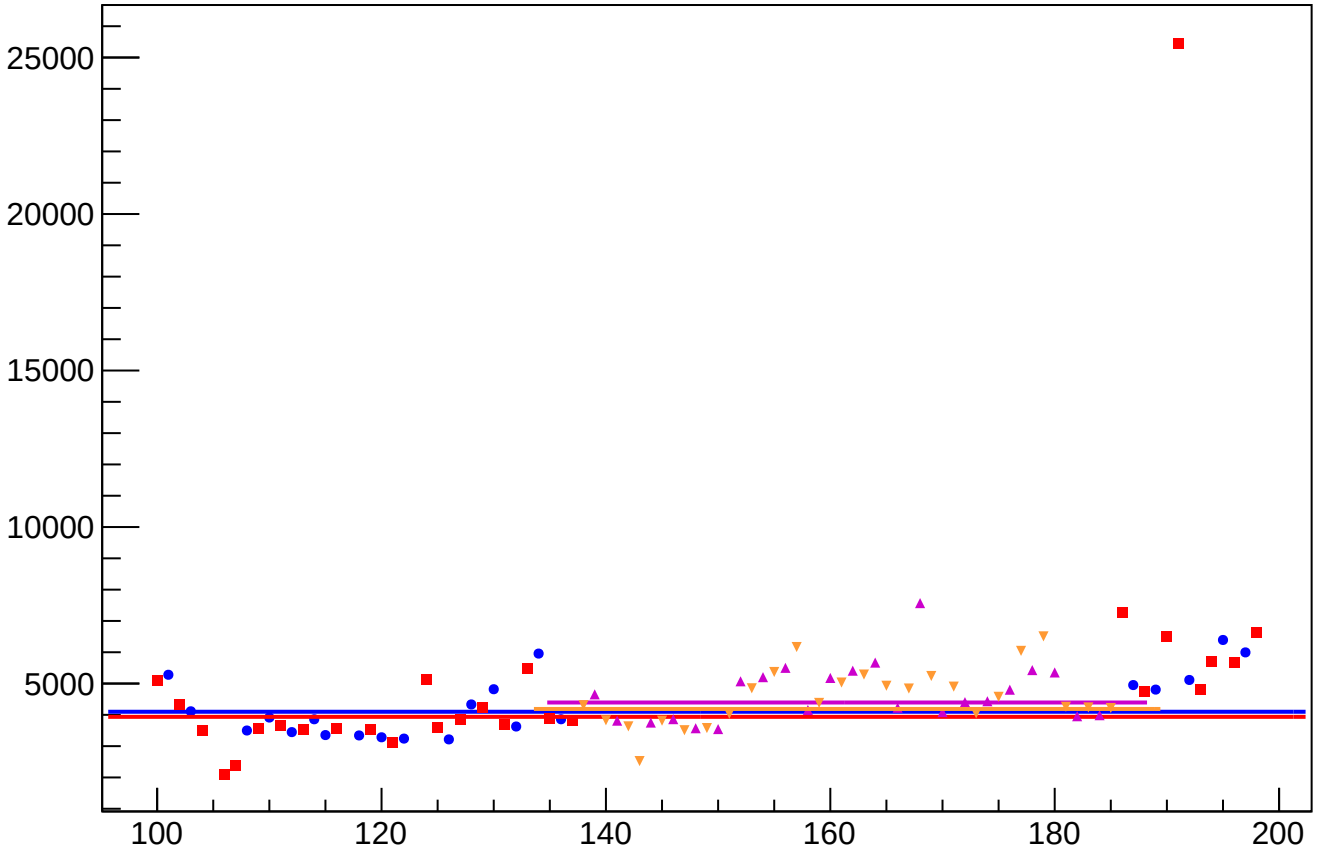
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -37.737+/-780.597 χ^2/NDF: 52.4/45

All: 418.384+/-552.096 χ^2/NDF: 86.5/95

- sign 874.936+/-780.966 χ^2/NDF: 33.4/49

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4098.868+/-0.913 χ^2/NDF: 978815.1/20

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

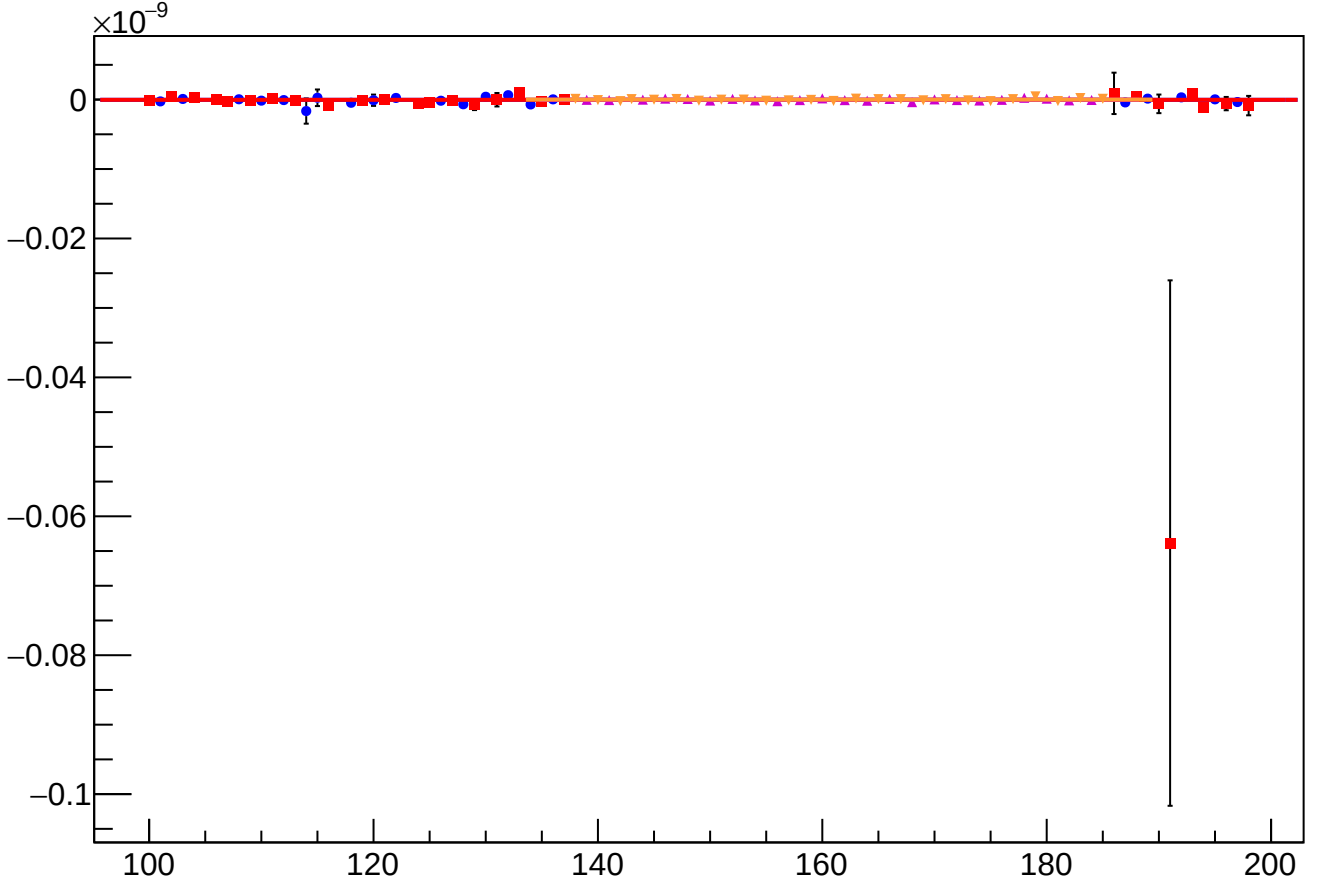
Right Out: 3936.247+/-0.823 χ^2/NDF: 1915185.5/26

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4155.338+/-0.552 χ^2/NDF: 2781186.7/45

All: 4172.652+/-0.389 χ^2/NDF: 5958391.8/95

- sign 4189.820+/-0.550 χ^2/NDF: 3175245.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

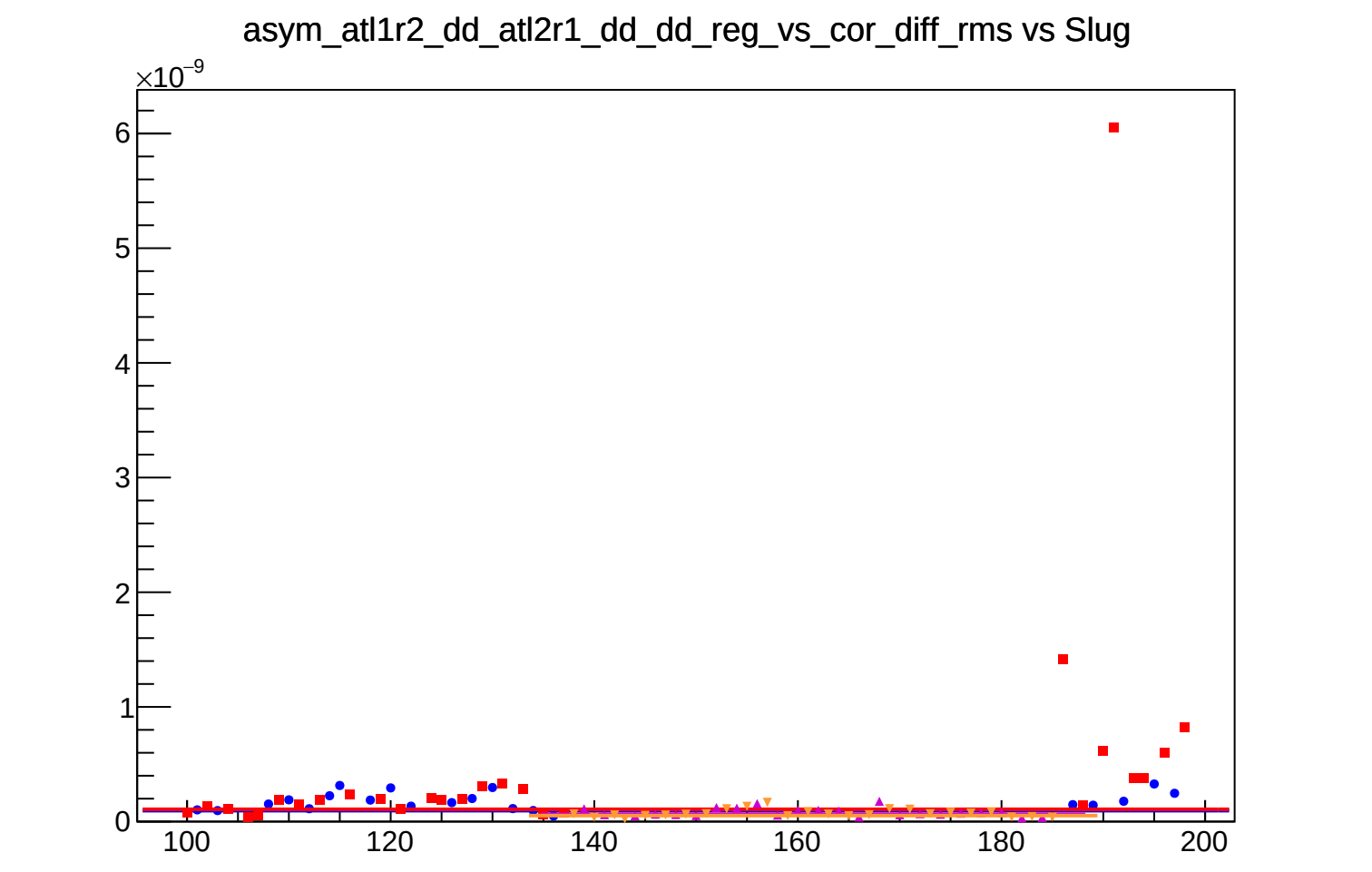
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/26

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/45

All: -0.000+/-0.000 χ^2/NDF: 92.9/95

- sign -0.000+/-0.000 χ^2/NDF: 43.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 1968882.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4281119.6/26

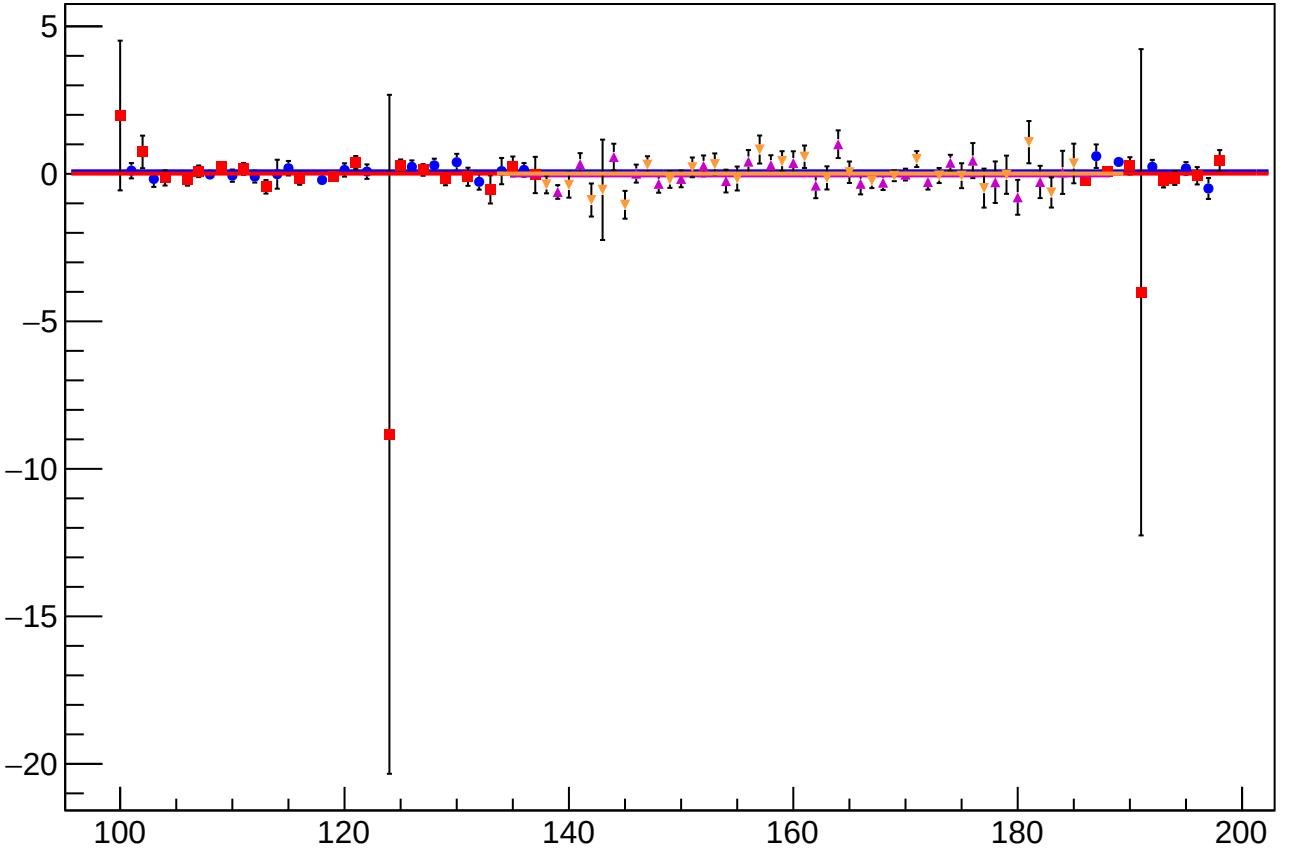
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5591339.8/45

All: 0.000+/-0.000 χ^2/NDF: 12794843.5/95

- sign 0.000+/-0.000 χ^2/NDF: 6923729.5/49

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

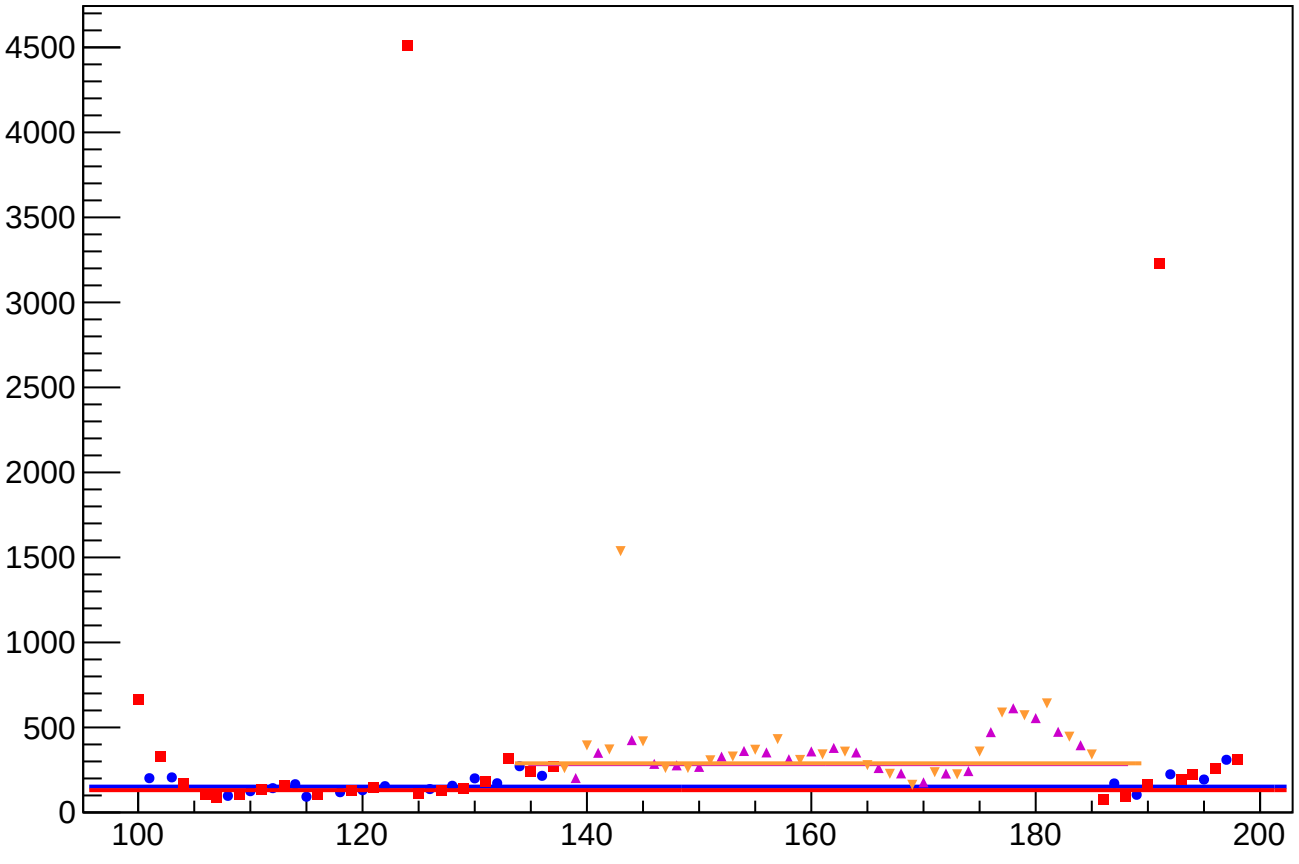
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

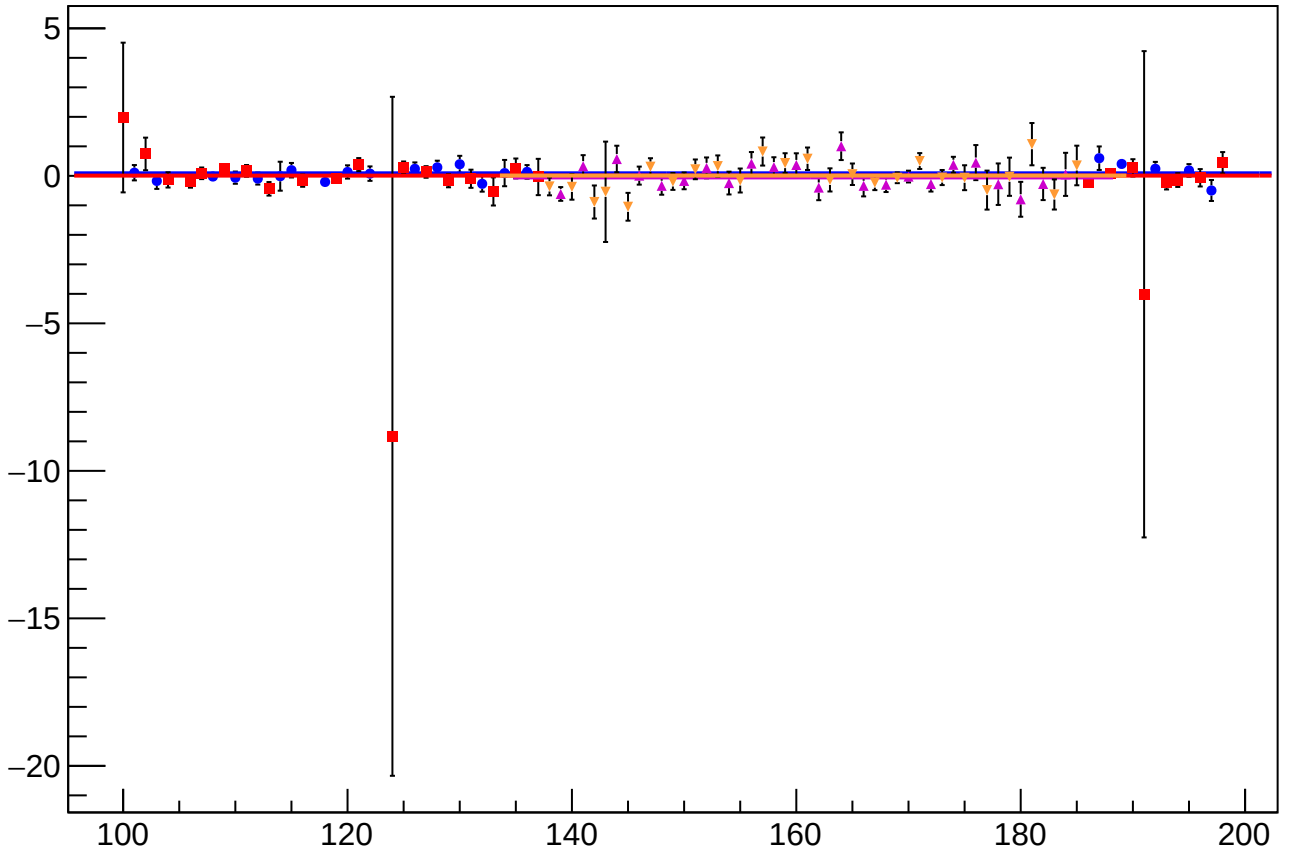
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

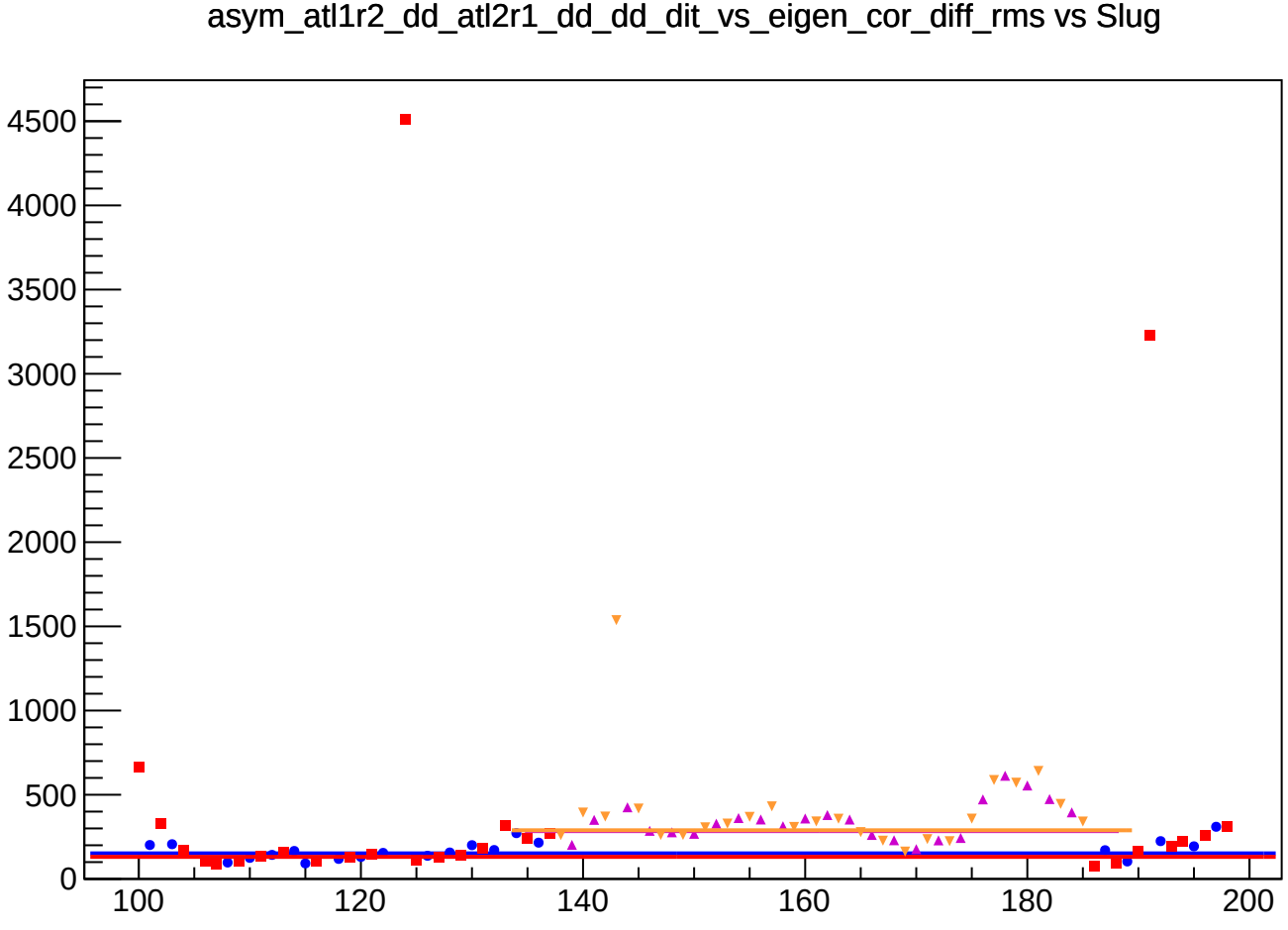
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

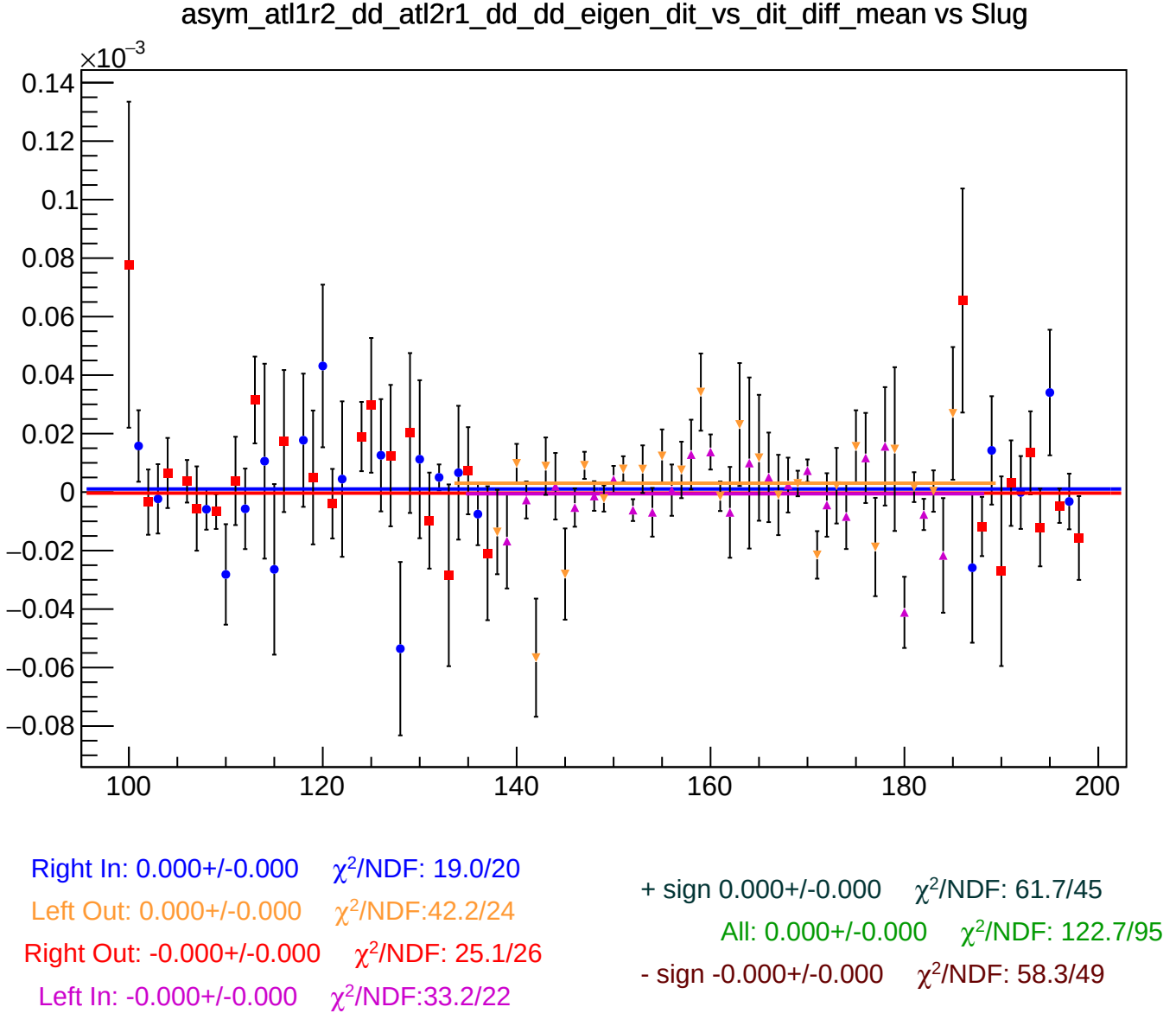
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

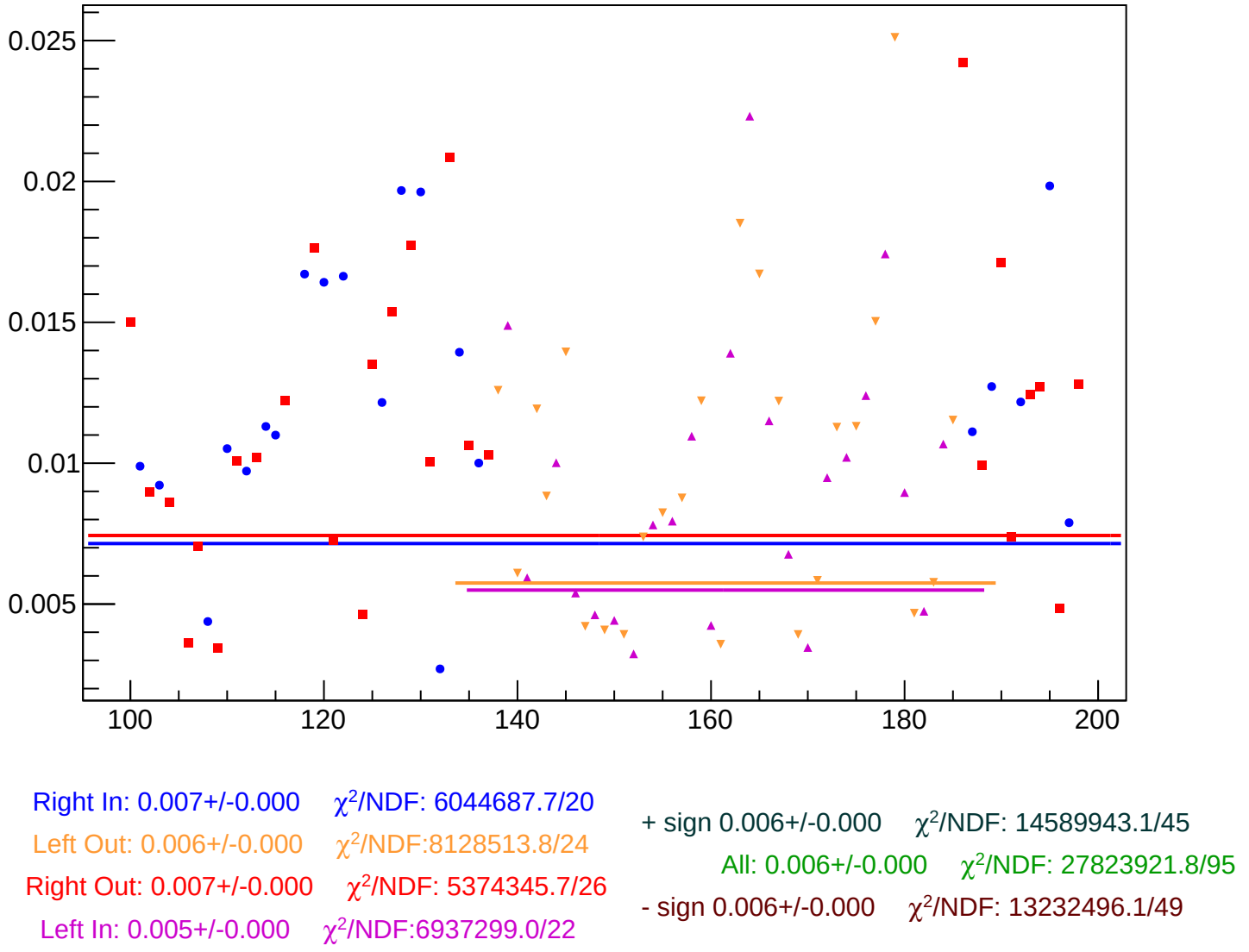
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

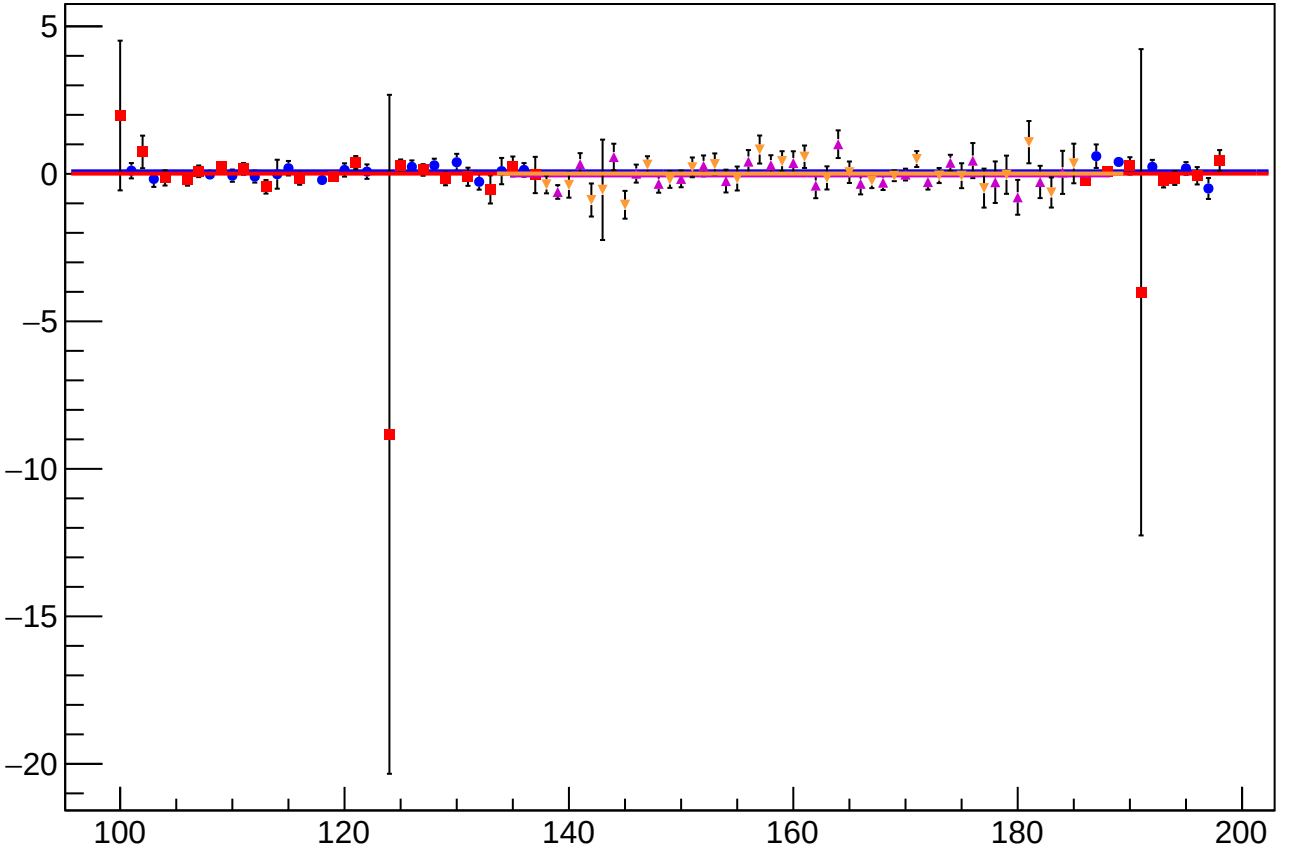
All: 182.710+/-0.019 χ^2/NDF: 25964432.2/95

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.0/20
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.1/26
Left In: -0.000+/-0.000 χ²/NDF:33.2/22
+ sign 0.000+/-0.000 χ²/NDF: 61.7/45
All: 0.000+/-0.000 χ²/NDF: 122.7/95
- sign -0.000+/-0.000 χ²/NDF: 58.3/49


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.007+/-0.000 χ²/NDF: 6044687.7/20
Left Out: 0.006+/-0.000 χ²/NDF:8128513.8/24
Right Out: 0.007+/-0.000 χ²/NDF: 5374345.7/26
Left In: 0.005+/-0.000 χ²/NDF:6937299.0/22
+ sign 0.006+/-0.000 χ²/NDF: 14589943.1/45
All: 0.006+/-0.000 χ²/NDF: 27823921.8/95
- sign 0.006+/-0.000 χ²/NDF: 13232496.1/49

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

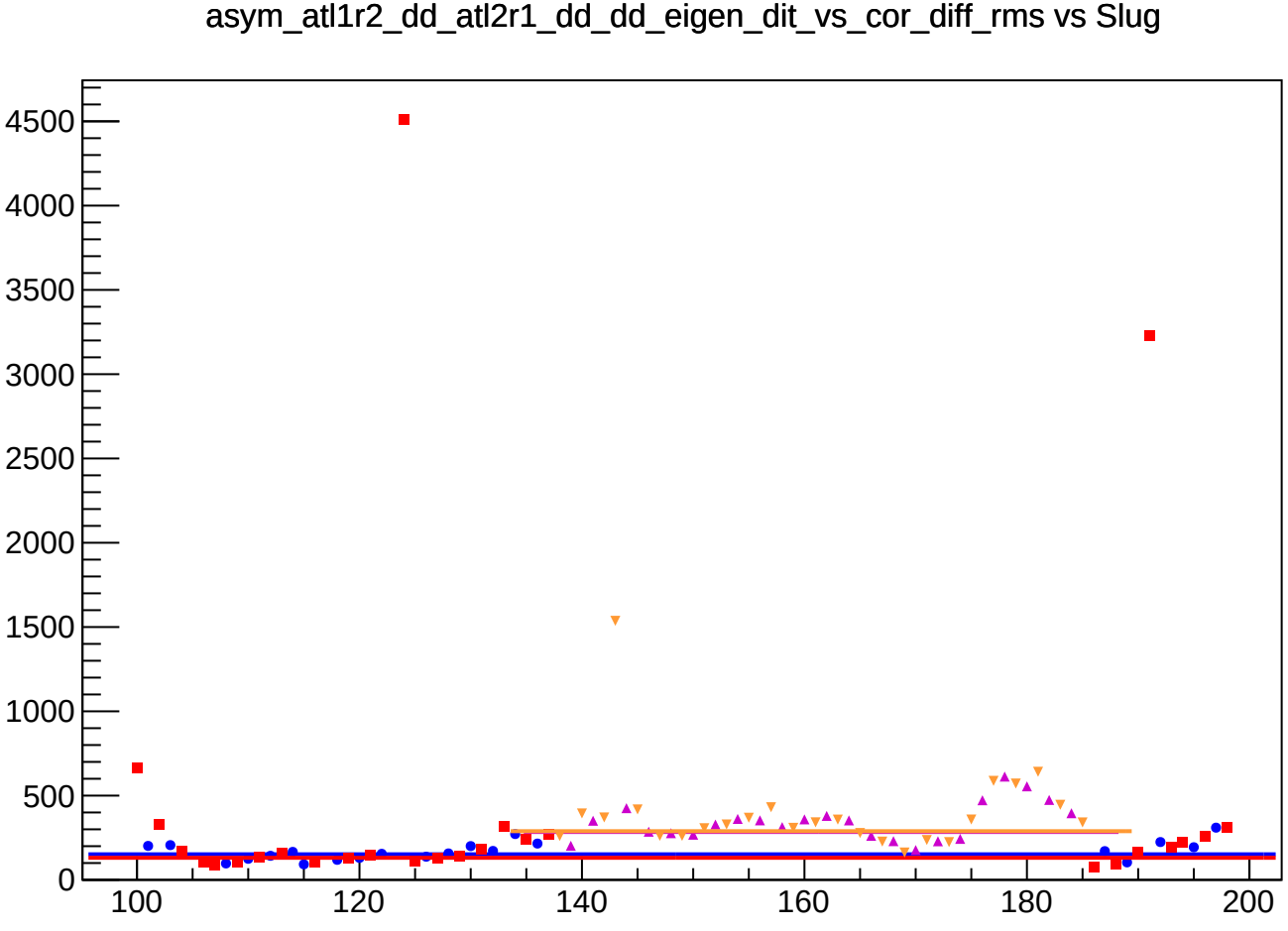
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

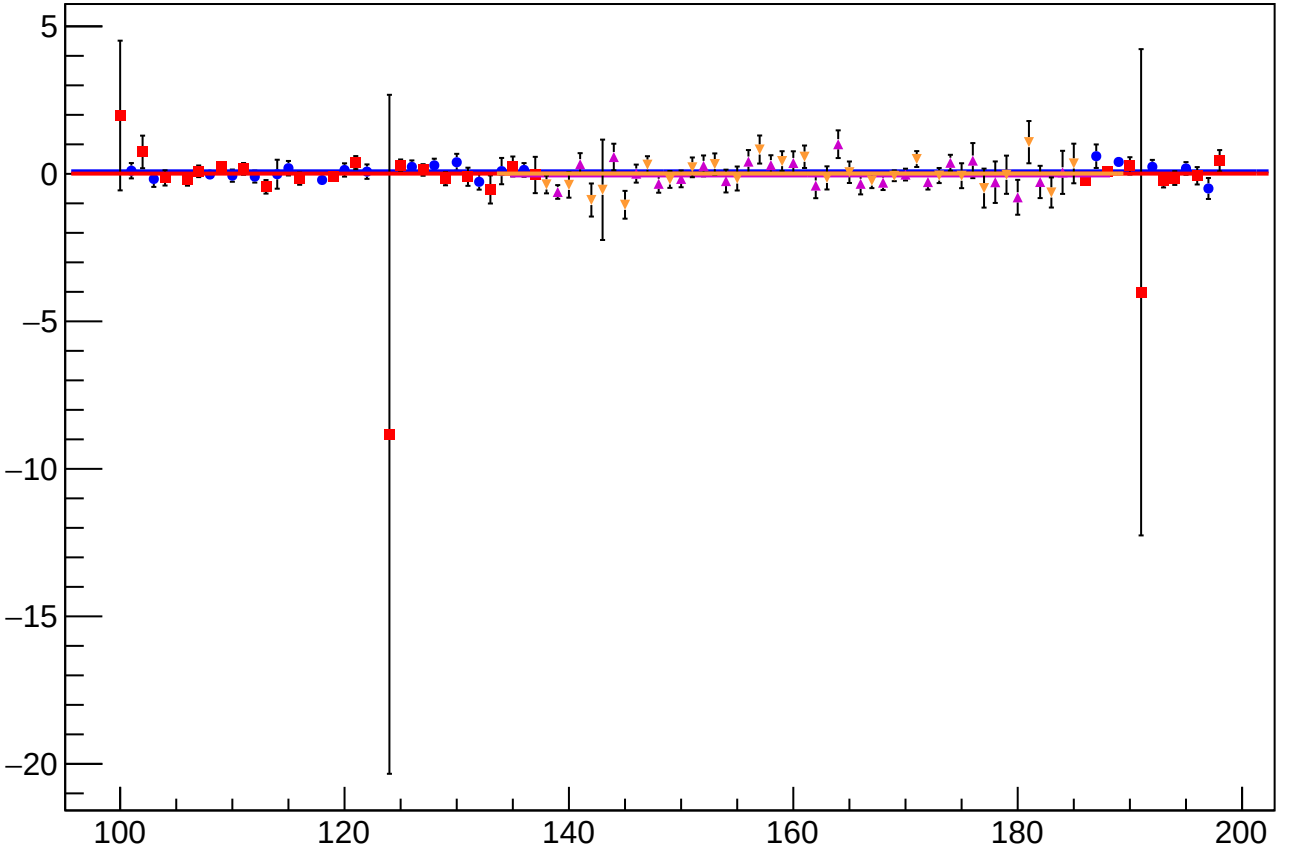
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.451+/-0.029 χ^2/NDF: 11502095.0/45

All: 182.710+/-0.019 χ^2/NDF: 25964366.1/95

- sign 171.275+/-0.026 χ^2/NDF: 14002062.1/49

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

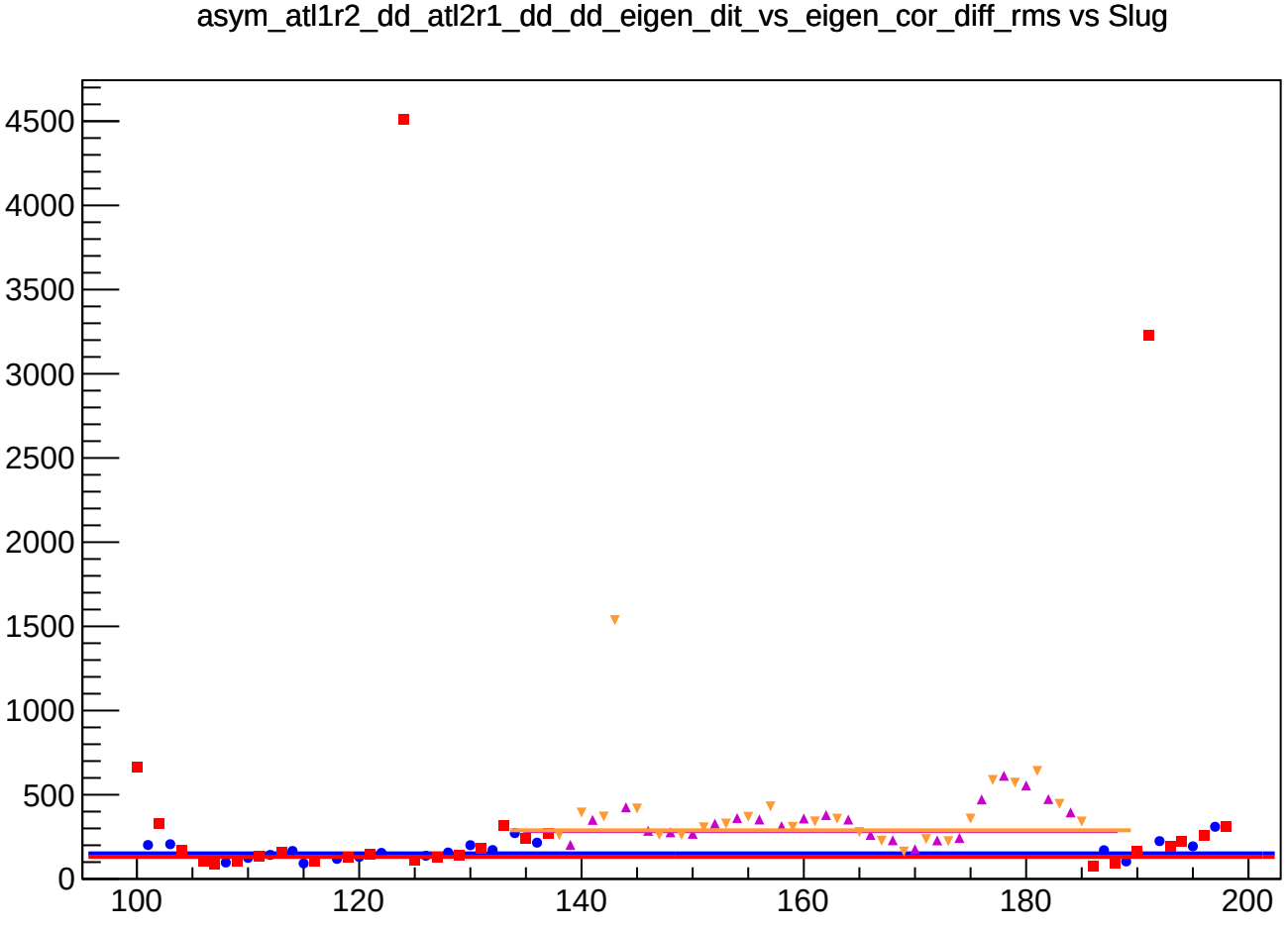
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.022+/-0.027 χ^2/NDF: 108.4/95

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

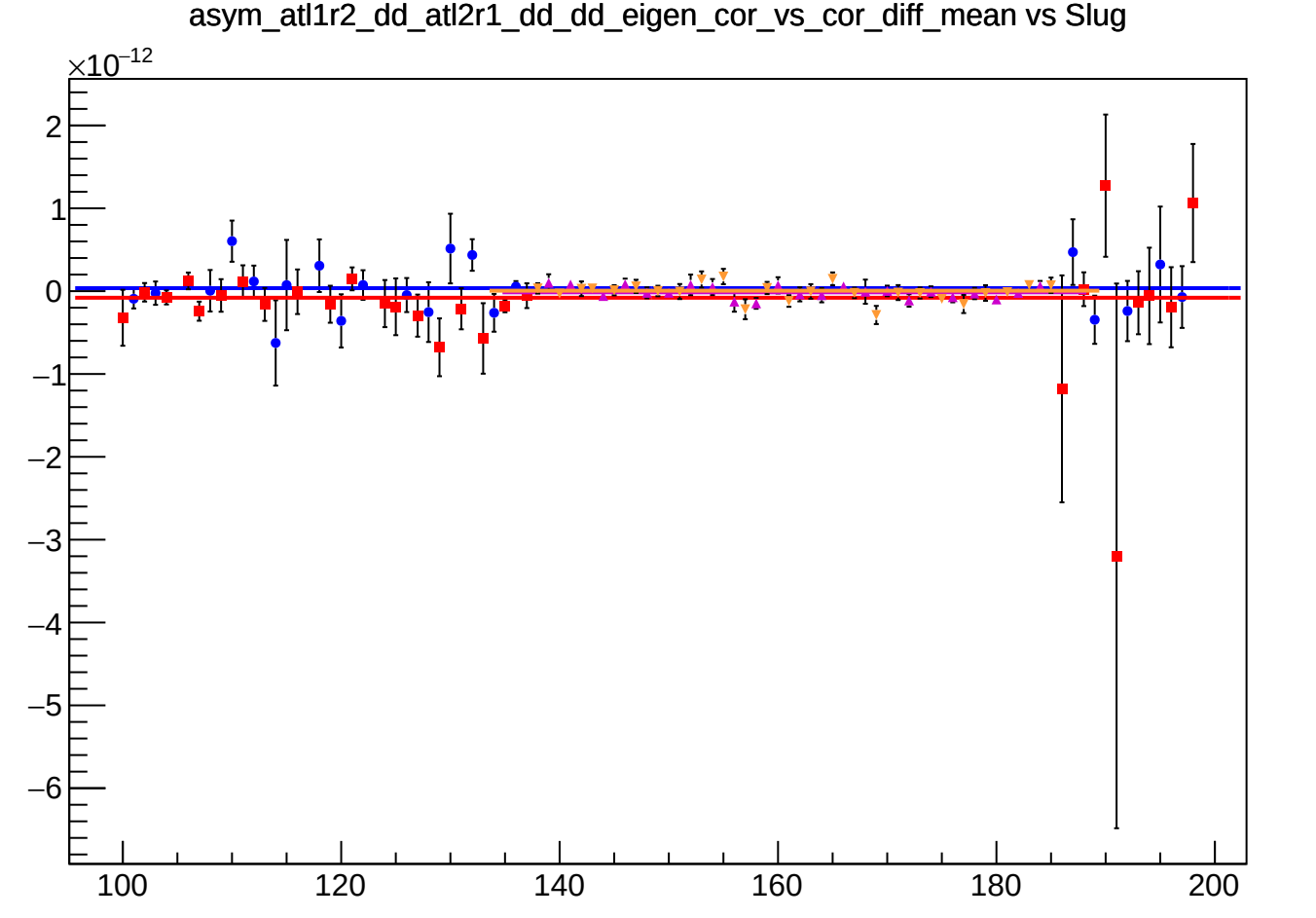
Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.451+/-0.029 χ^2/NDF: 11502095.0/45

All: 182.710+/-0.019 χ^2/NDF: 25964366.1/95

- sign 171.275+/-0.026 χ^2/NDF: 14002062.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

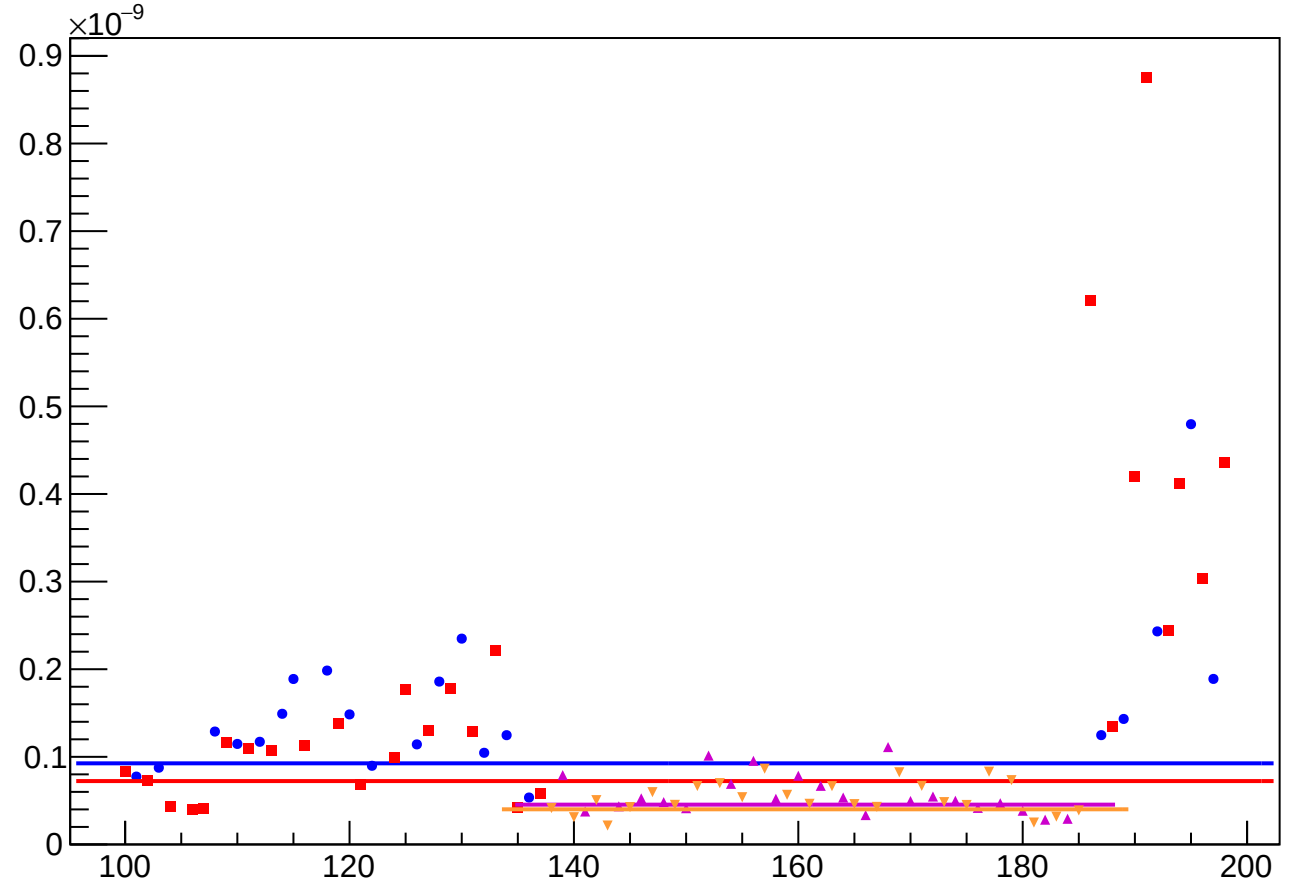
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/45

All: -0.000+/-0.000 χ^2/NDF: 112.5/95

- sign -0.000+/-0.000 χ^2/NDF: 51.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 2771415.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

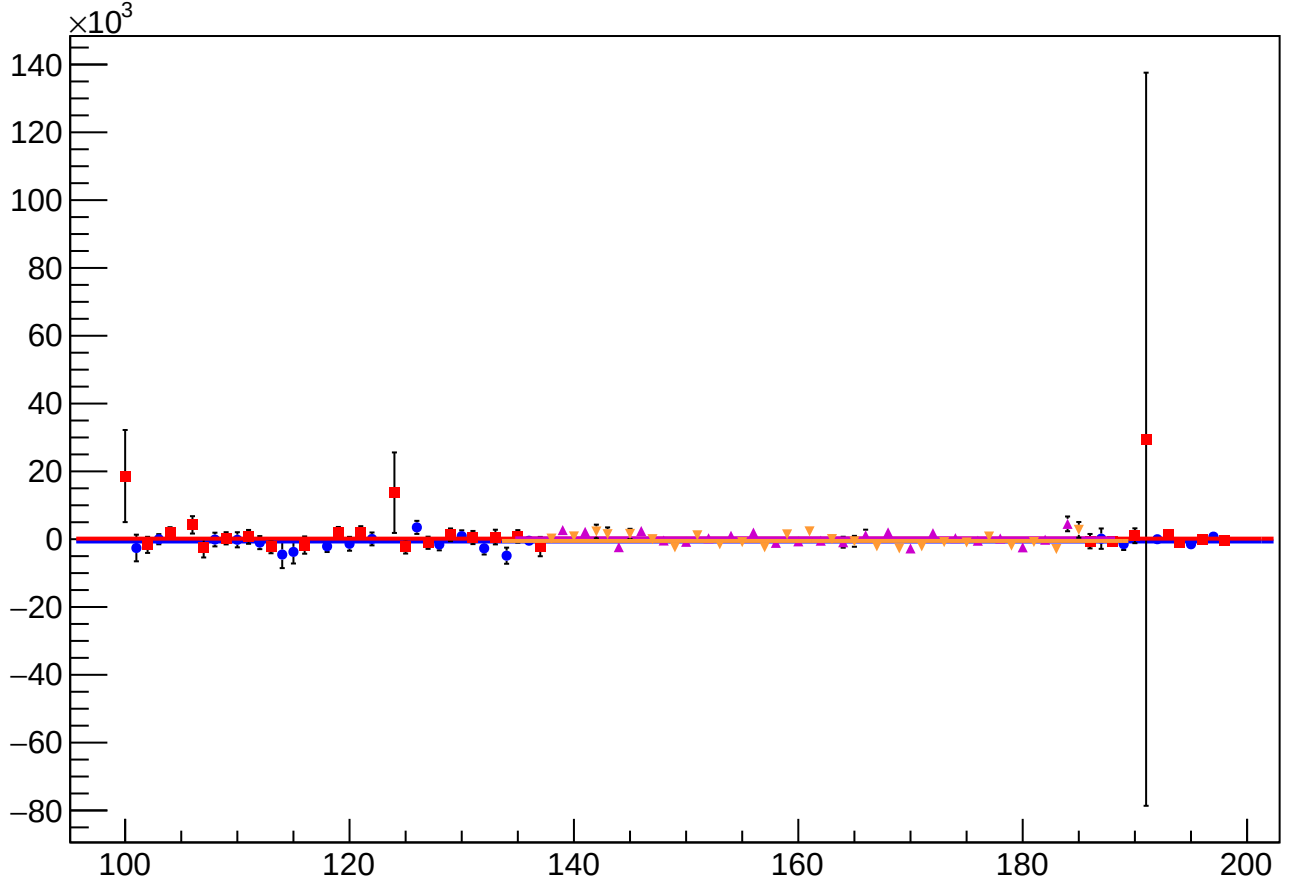
Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

\+ sign 0.000+/-0.000 χ^2/NDF: 9331289.6/45

All: 0.000+/-0.000 χ^2/NDF: 18649807.4/95

\- sign 0.000+/-0.000 χ^2/NDF: 9155385.7/49



Right In: -677.271+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 161.282+/-371.274 χ^2/NDF: 18.2/26

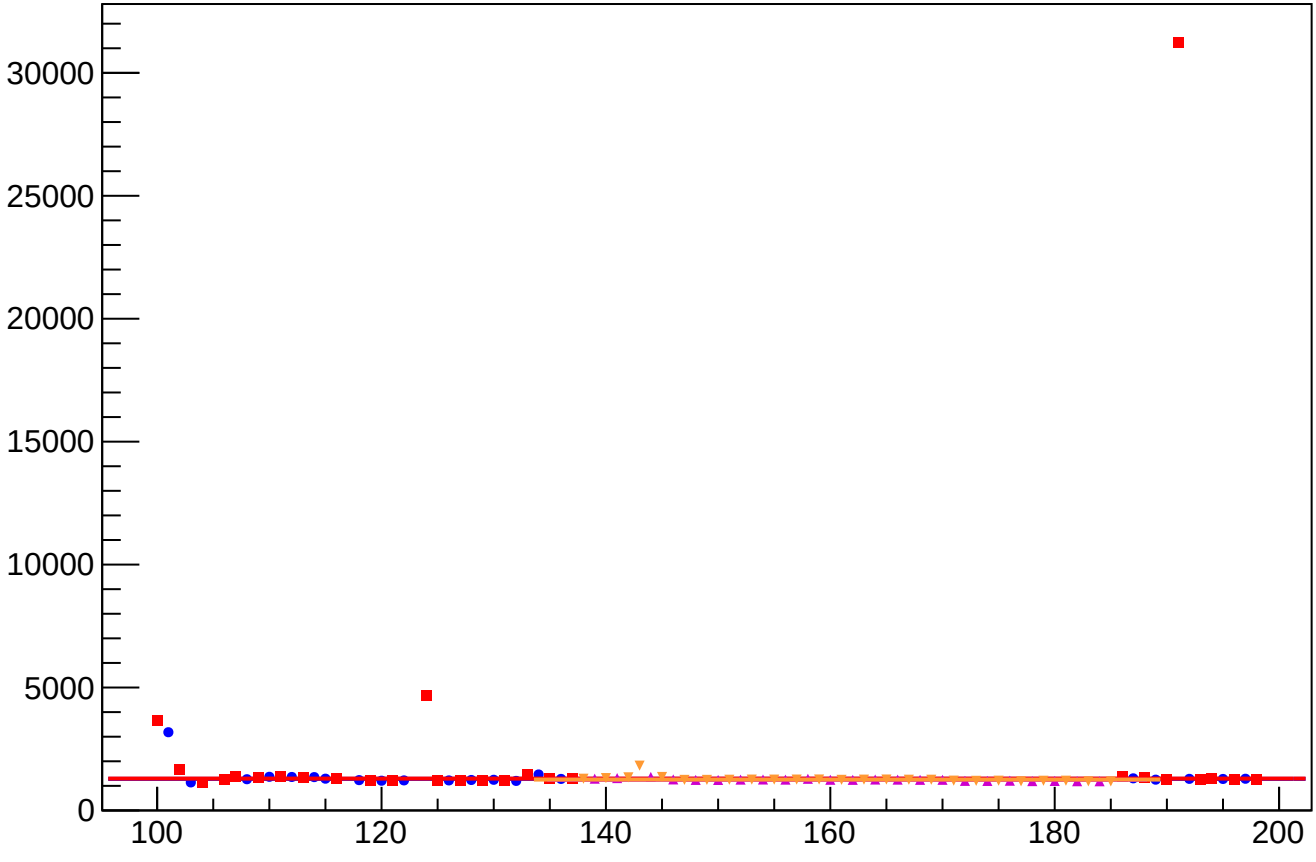
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

\+ sign -569.755+/-232.386 χ^2/NDF: 46.5/45

All: -173.495+/-163.152 χ^2/NDF: 102.4/95

\- sign 211.686+/-229.114 χ^2/NDF: 50.2/49

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518993.6/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

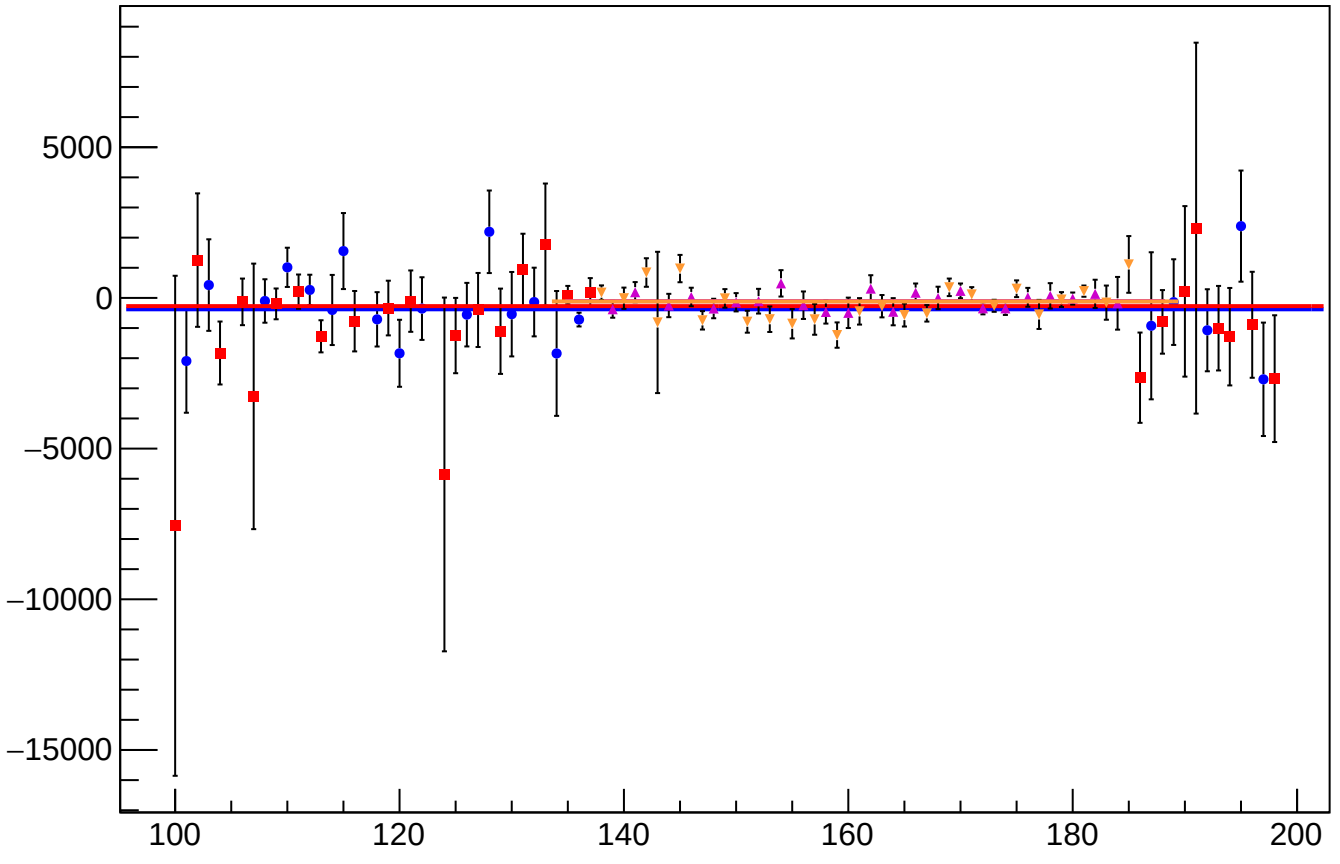
Right Out: 1296.181+/-0.263 χ^2/NDF: 490057.0/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729063.6/45

All: 1265.331+/-0.115 χ^2/NDF: 1281281.8/95

- sign 1265.329+/-0.162 χ^2/NDF: 552218.2/49



Right In: -377.798+/-164.124 χ^2/NDF: 22.3/20

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -272.421+/-162.841 χ^2/NDF: 20.0/26

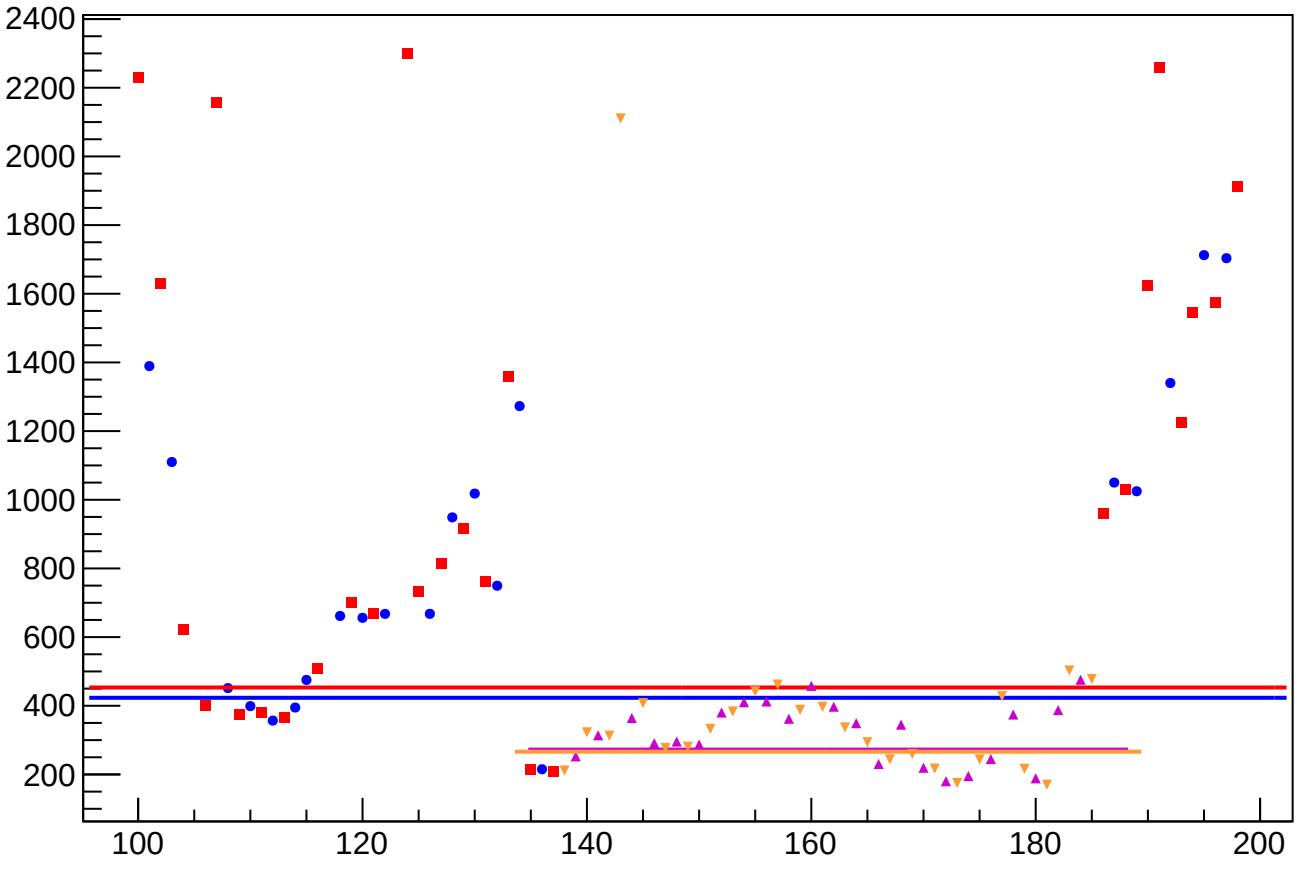
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -152.440+/-60.480 χ^2/NDF: 72.9/45

All: -142.097+/-43.280 χ^2/NDF: 107.5/95

\- sign -131.242+/-61.961 χ^2/NDF: 34.6/49

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 423.254+/-0.116 χ^2/NDF: 7643446.1/20

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

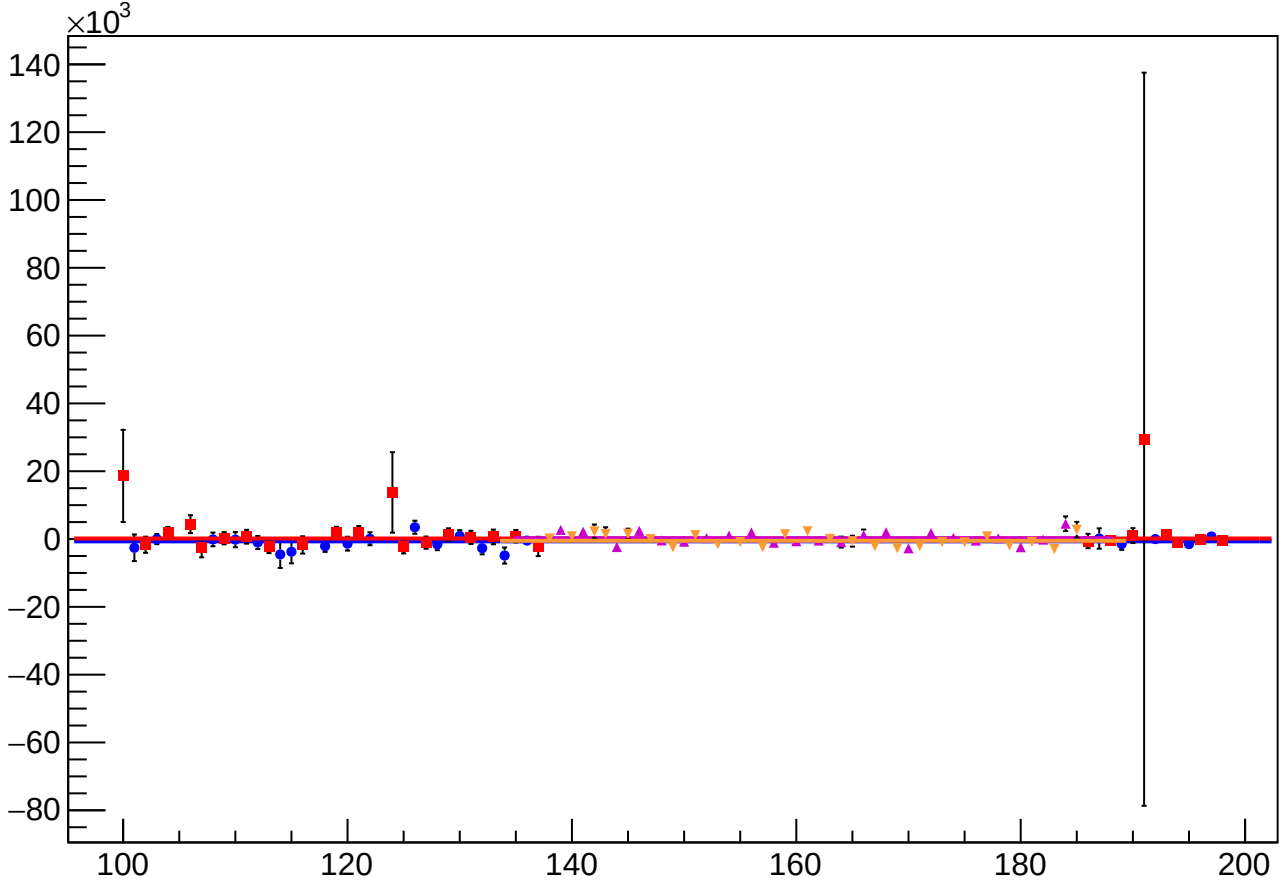
Right Out: 453.268+/-0.115 χ^2/NDF: 9033080.8/26

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 287.632+/-0.043 χ^2/NDF: 13853860.8/45

All: 292.963+/-0.031 χ^2/NDF: 27917470.2/95

- sign 298.559+/-0.044 χ^2/NDF: 14031756.9/49



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 159.506+/-371.507 χ^2/NDF: 18.2/26

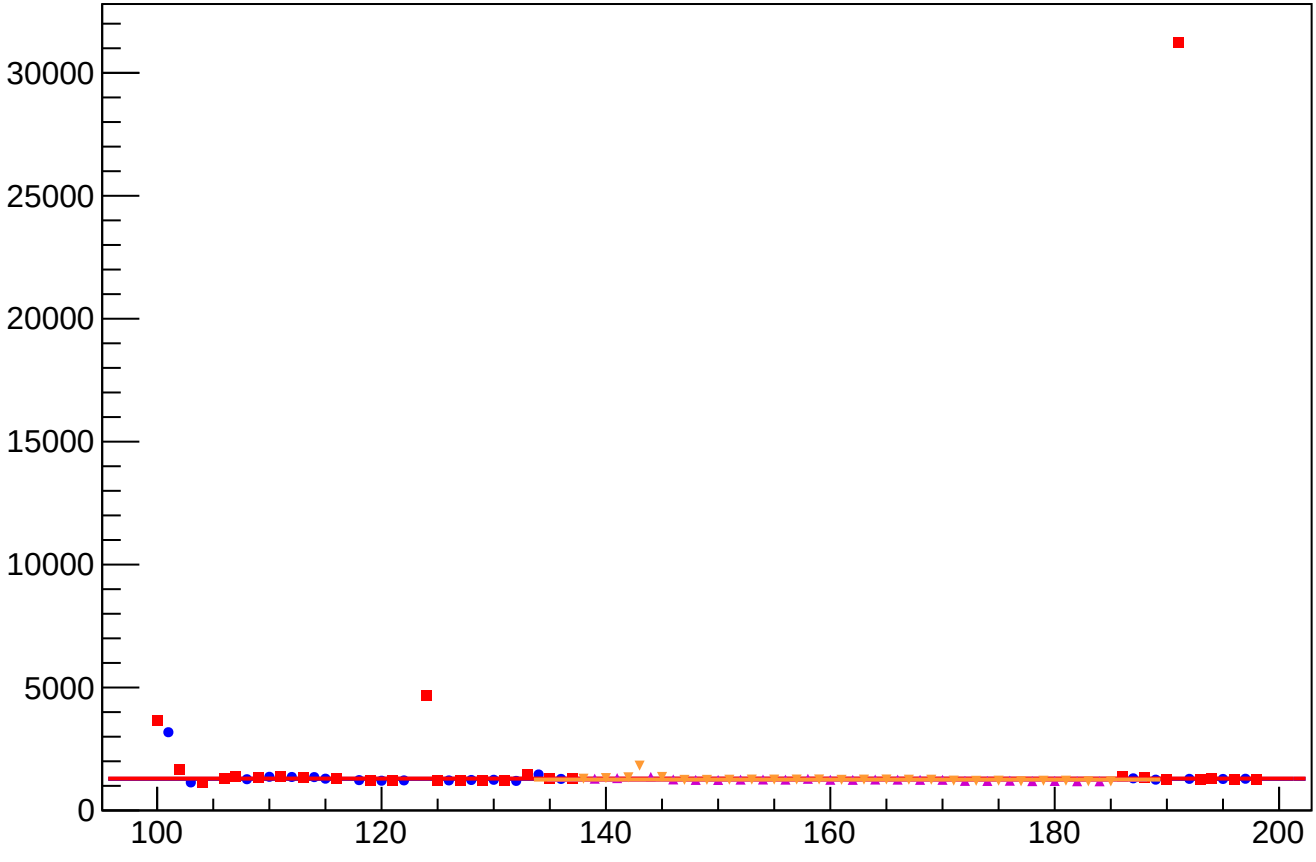
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -569.642+/-232.386 χ^2/NDF: 46.5/45

All: -173.870+/-163.172 χ^2/NDF: 102.5/95

- sign 211.020+/-229.169 χ^2/NDF: 50.3/49

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

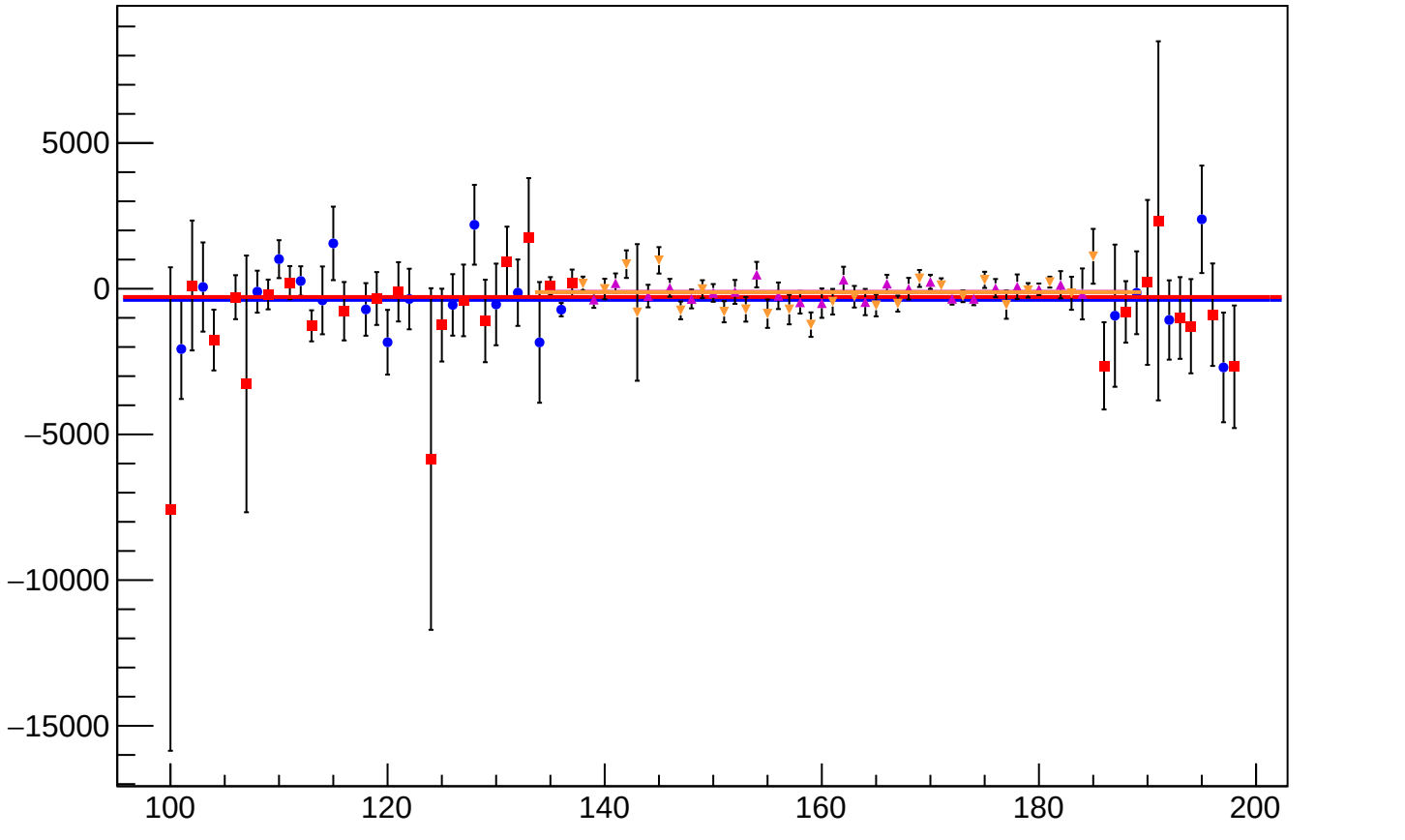
Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729065.0/45

All: 1265.487+/-0.115 χ^2/NDF: 1281705.0/95

- sign 1265.637+/-0.162 χ^2/NDF: 552638.3/49



Right In: -382.034+/-164.142 χ^2/NDF: 22.0/20

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

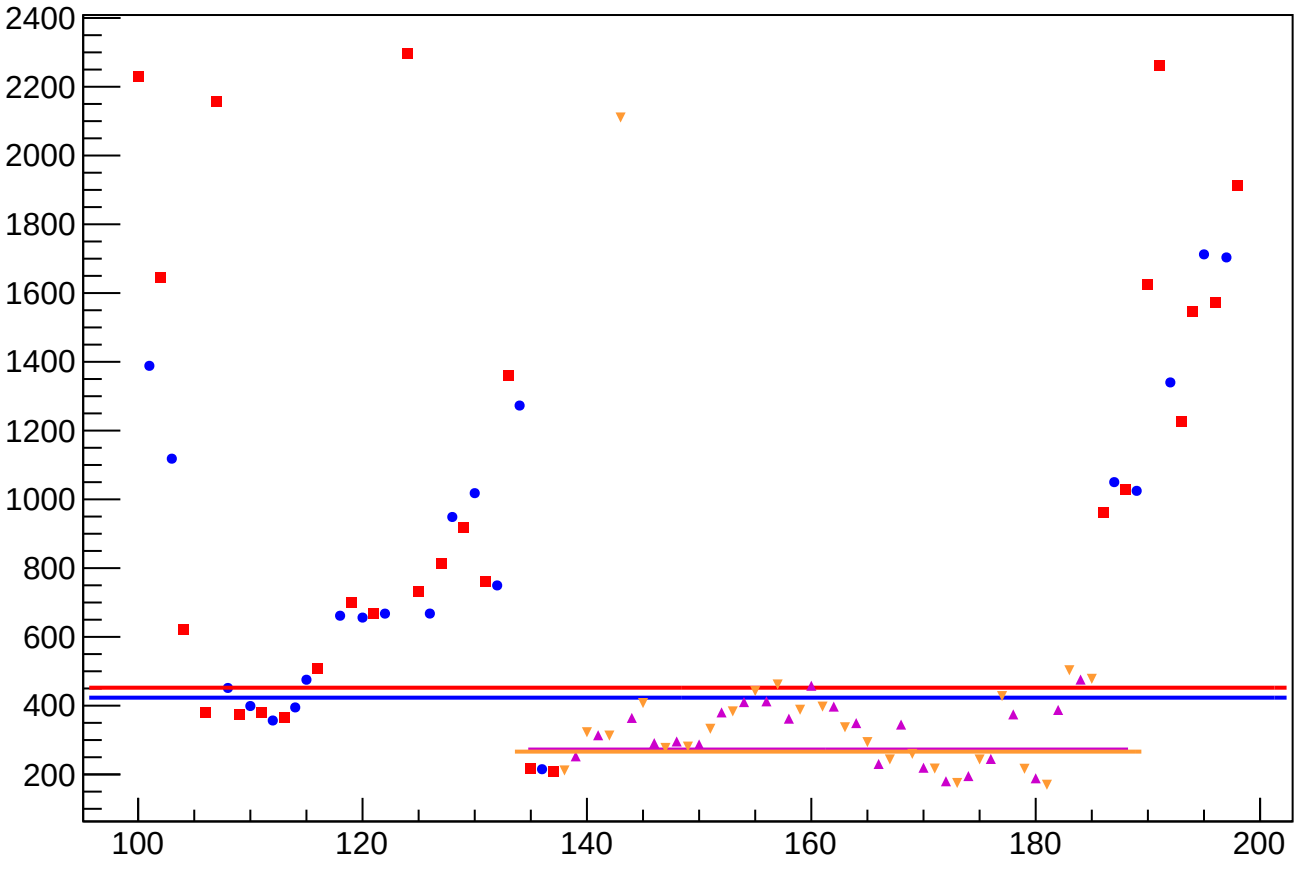
Right Out: -284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.987+/-60.482 χ^2/NDF: 72.7/45

All: -143.296+/-43.278 χ^2/NDF: 106.8/95

- sign -133.128+/-61.953 χ^2/NDF: 34.0/49



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

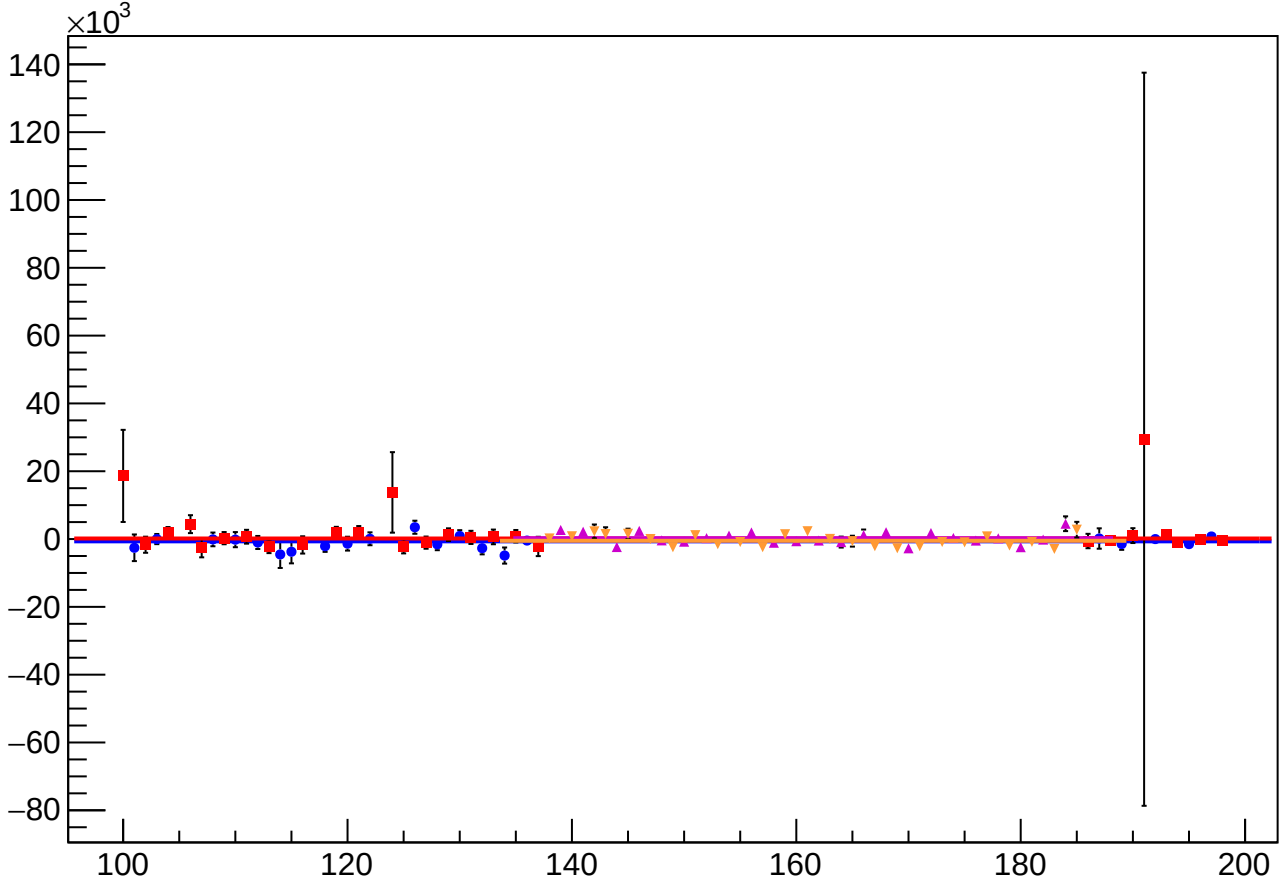
Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 287.634+/-0.043 χ^2/NDF: 13856682.1/45

All: 292.921+/-0.031 χ^2/NDF: 27915041.8/95

- sign 298.469+/-0.044 χ^2/NDF: 14027034.8/49



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 159.506+/-371.507 χ^2/NDF: 18.2/26

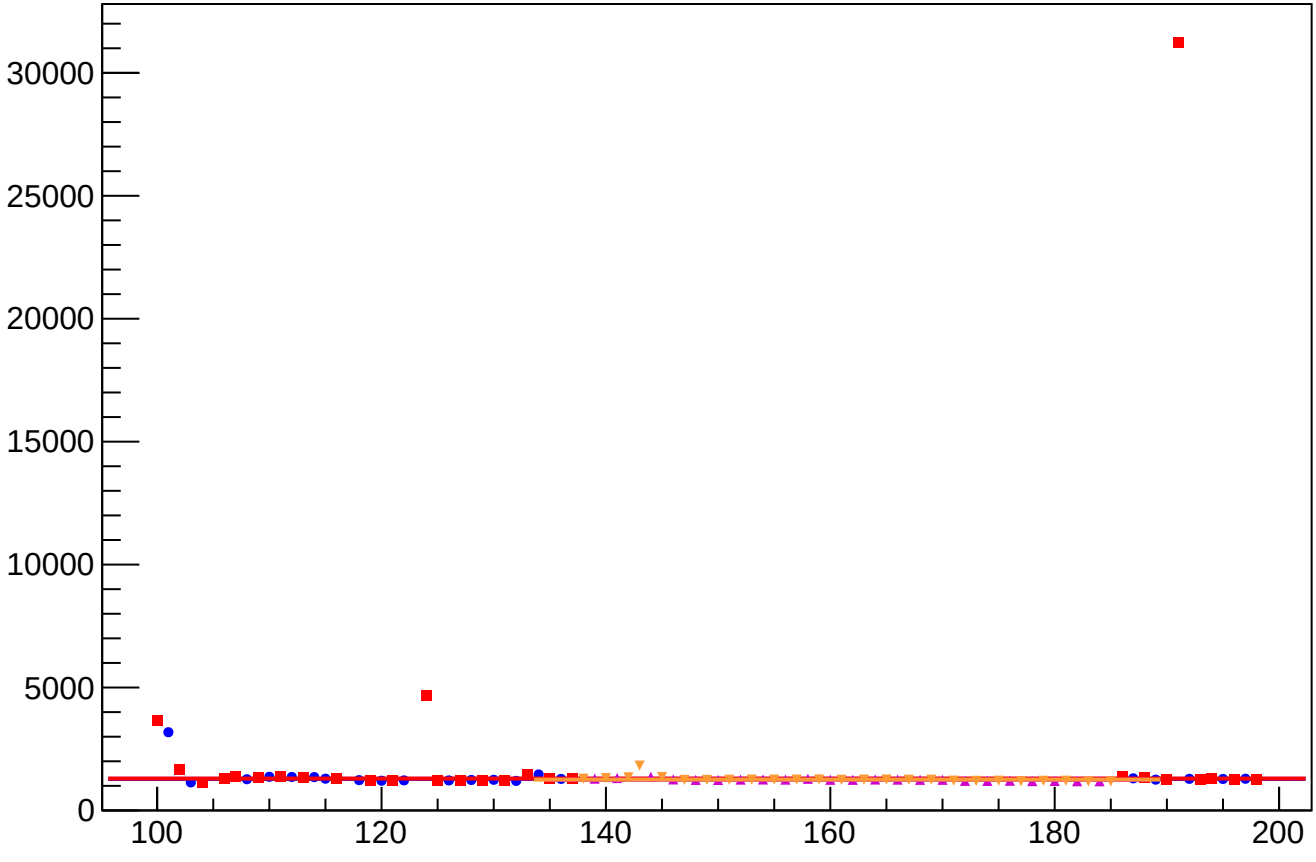
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -569.642+/-232.386 χ^2/NDF: 46.5/45

All: -173.870+/-163.172 χ^2/NDF: 102.5/95

- sign 211.020+/-229.169 χ^2/NDF: 50.3/49

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

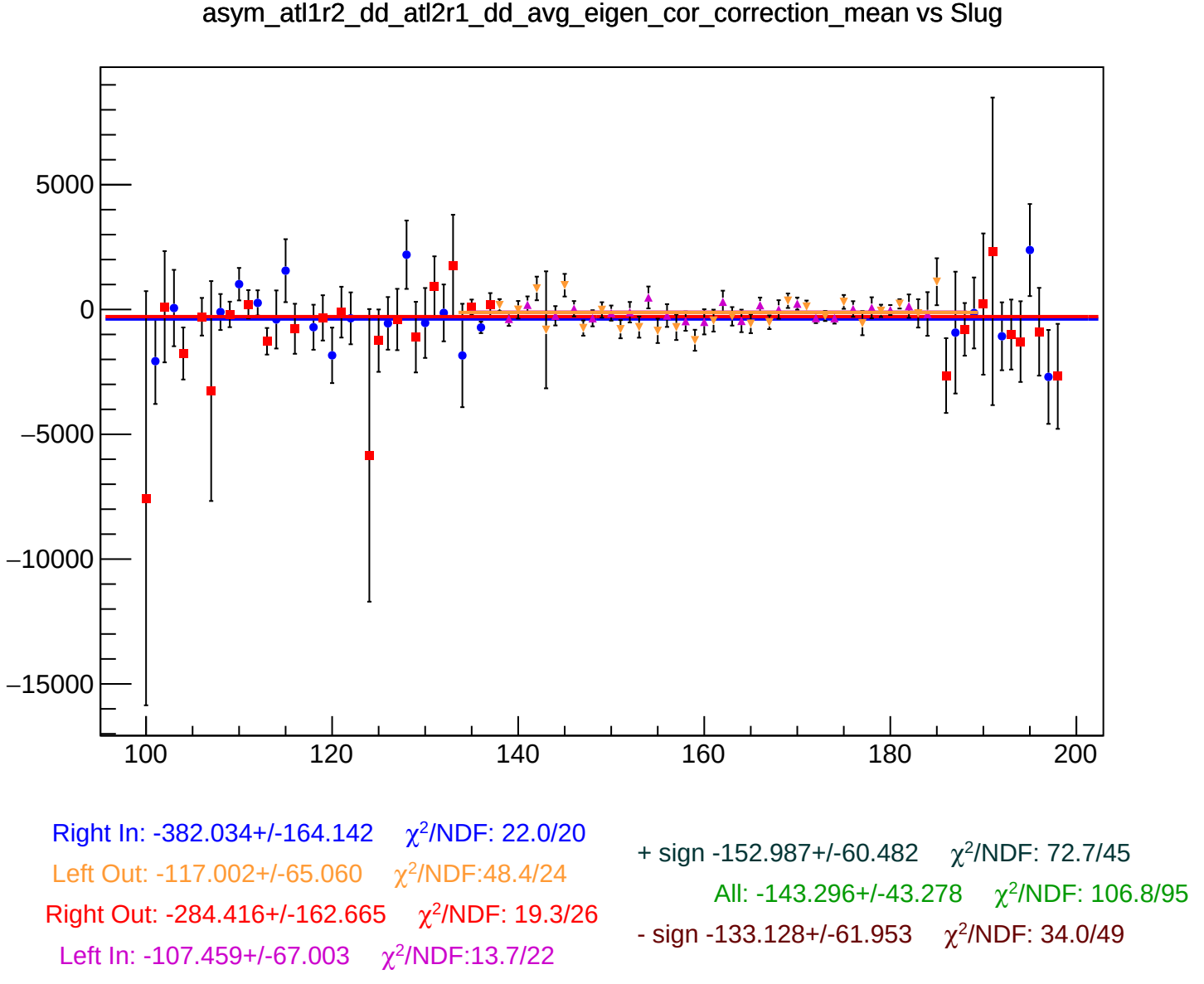
Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729065.0/45

All: 1265.487+/-0.115 χ^2/NDF: 1281705.0/95

- sign 1265.637+/-0.162 χ^2/NDF: 552638.3/49


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -382.034+/-164.142 χ²/NDF: 22.0/20
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -284.416+/-162.665 χ²/NDF: 19.3/26
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
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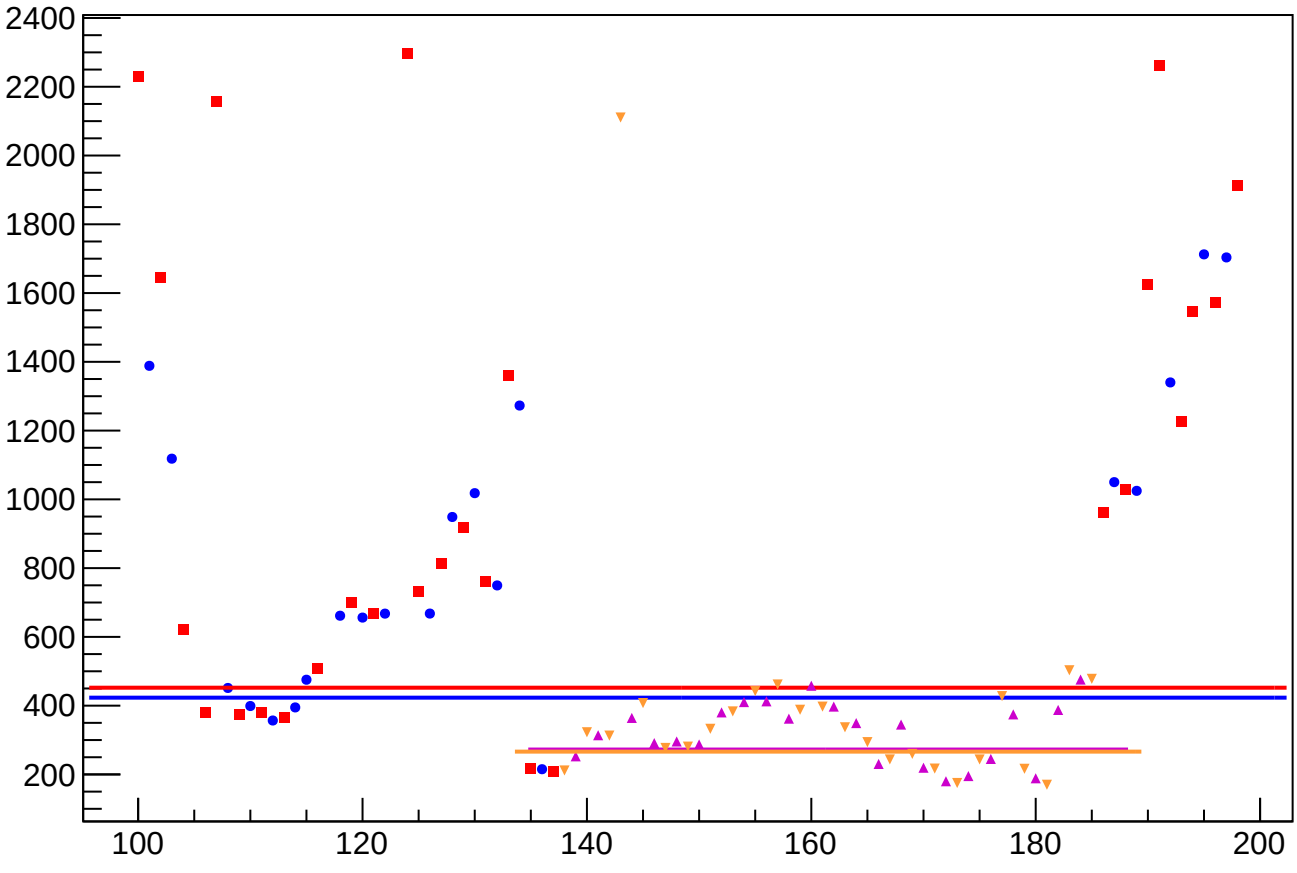
All: -143.296+/-43.278 χ²/NDF: 106.8/95
- sign -133.128+/-61.953 χ²/NDF: 34.0/49

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

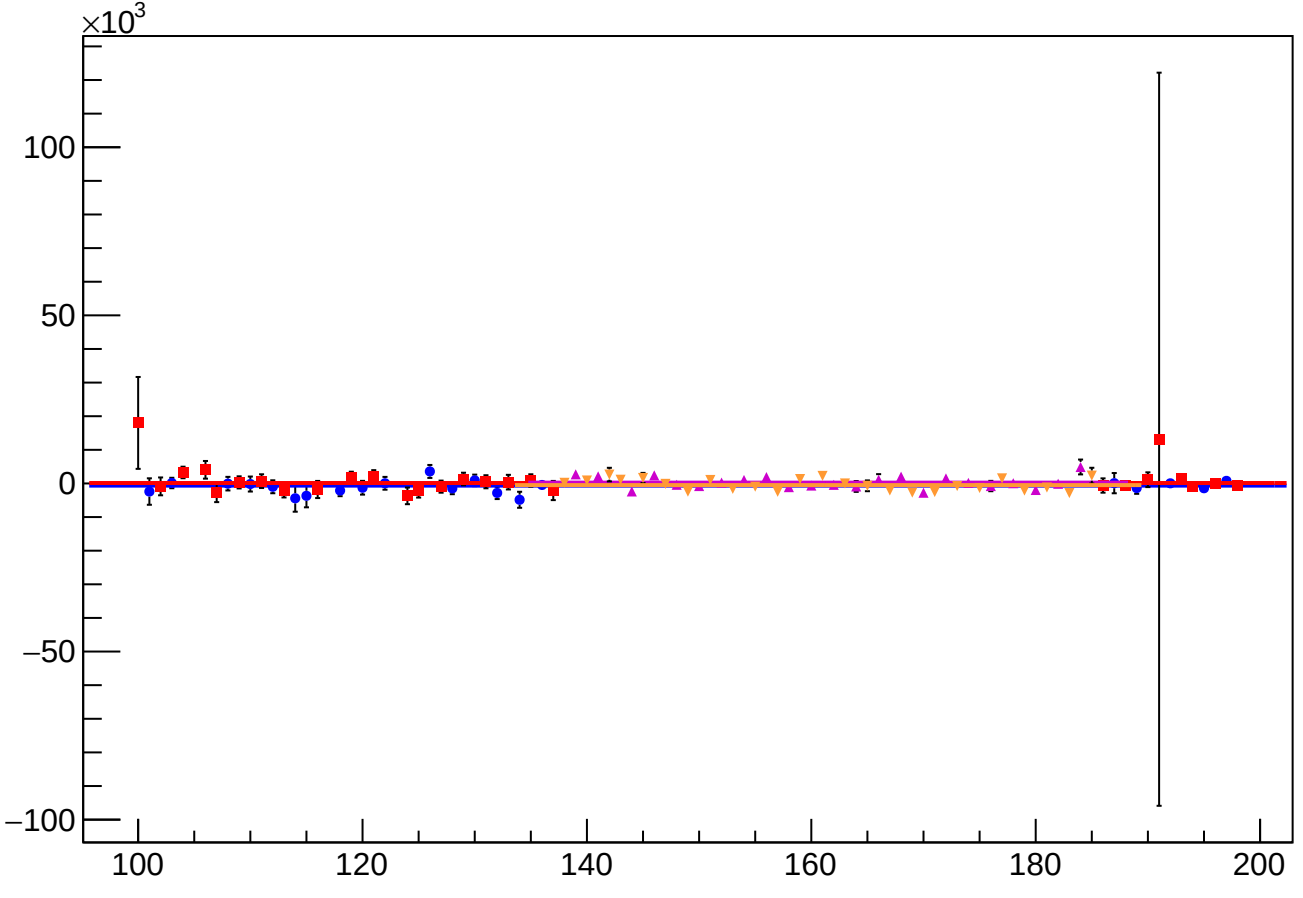
Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 287.634+/-0.043 χ^2/NDF: 13856682.1/45

All: 292.921+/-0.031 χ^2/NDF: 27915041.8/95

- sign 298.469+/-0.044 χ^2/NDF: 14027034.8/49



Right In: -643.797+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 130.149+/-370.156 χ^2/NDF: 20.1/26

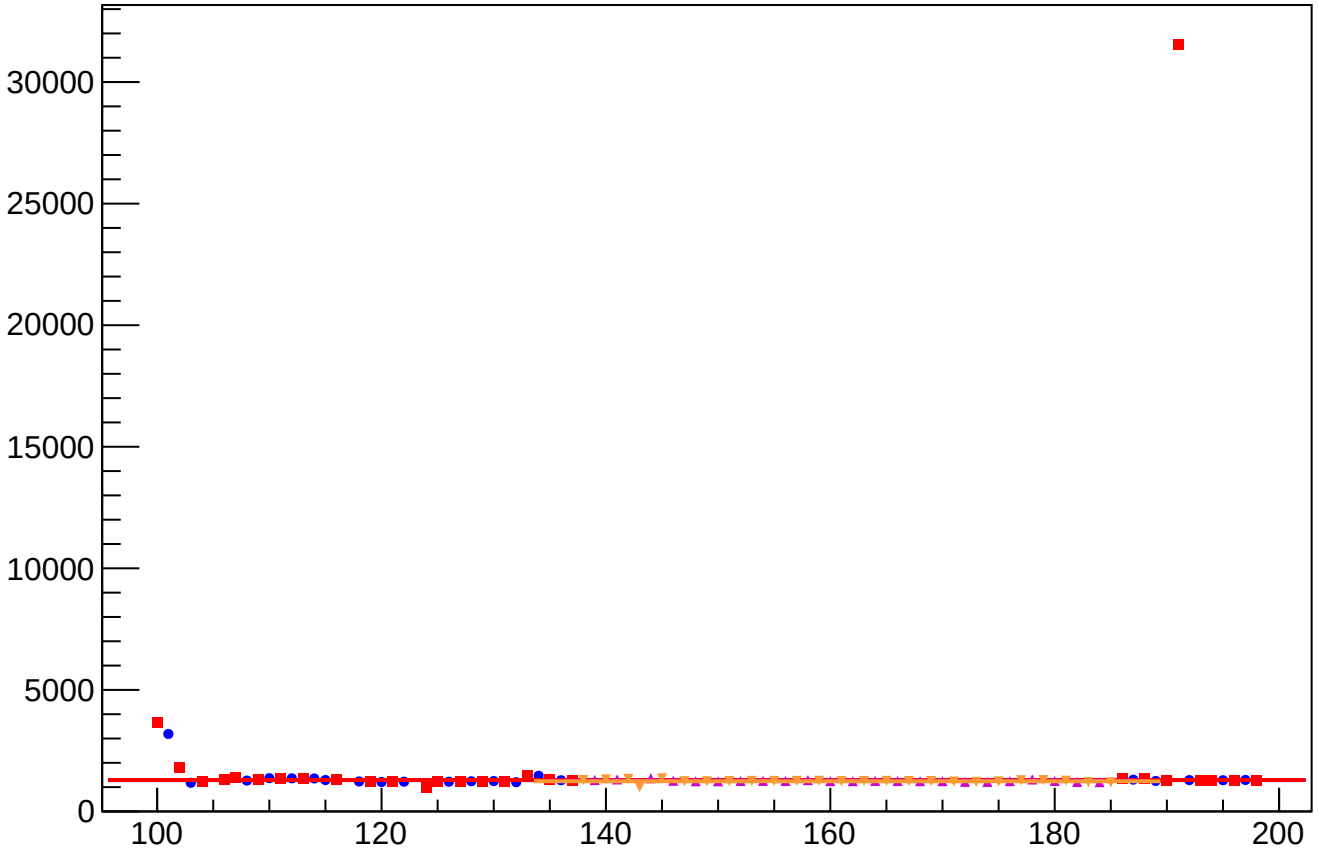
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.466+/-230.955 χ^2/NDF: 49.8/45

All: -171.474+/-163.107 χ^2/NDF: 105.9/95

- sign 198.674+/-230.381 χ^2/NDF: 50.9/49

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

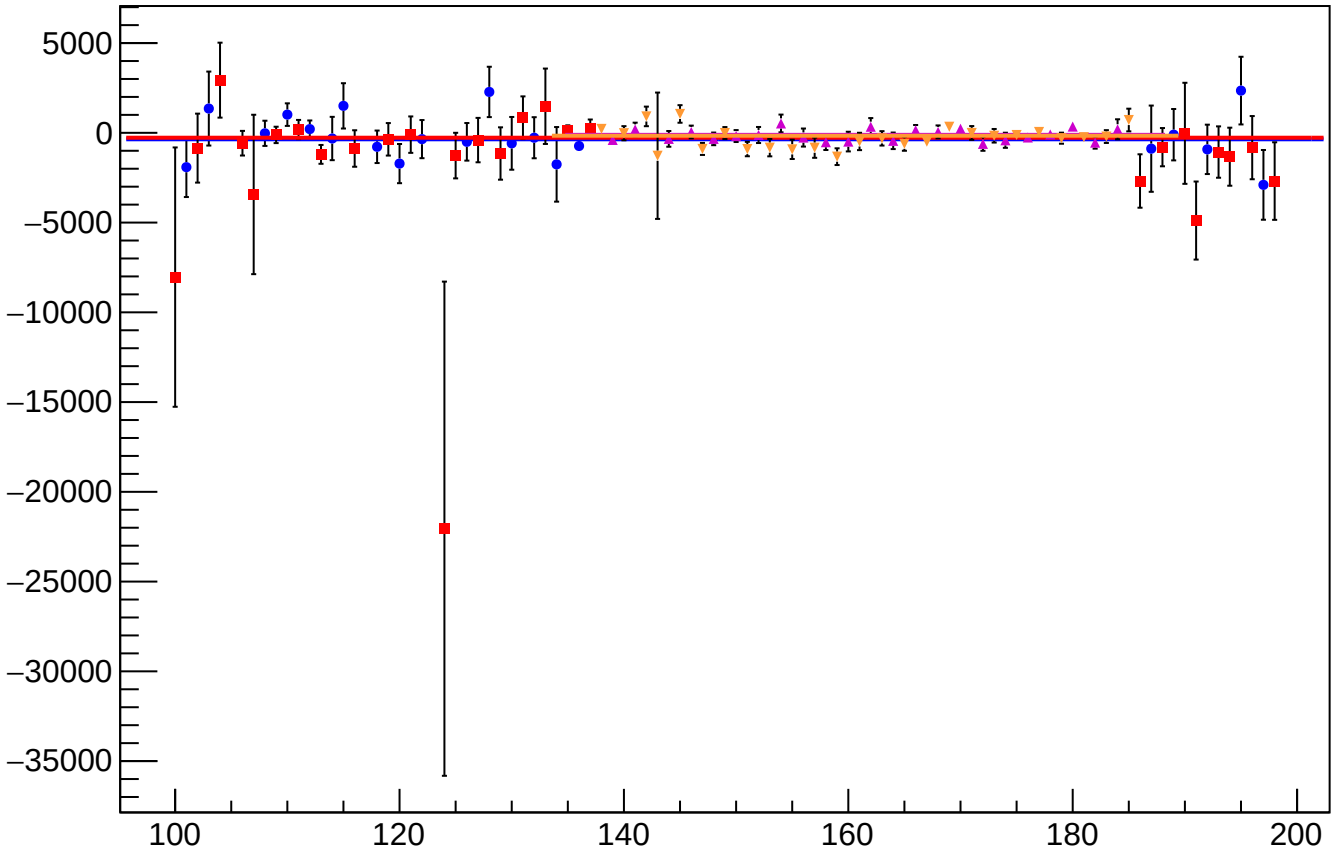
Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.4/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.219+/-0.163 χ^2/NDF: 658938.6/45

All: 1265.468+/-0.115 χ^2/NDF: 1072473.7/95

- sign 1272.680+/-0.163 χ^2/NDF: 409604.6/49



Right In: -360.180+/-165.861 χ^2/NDF: 22.5/20

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

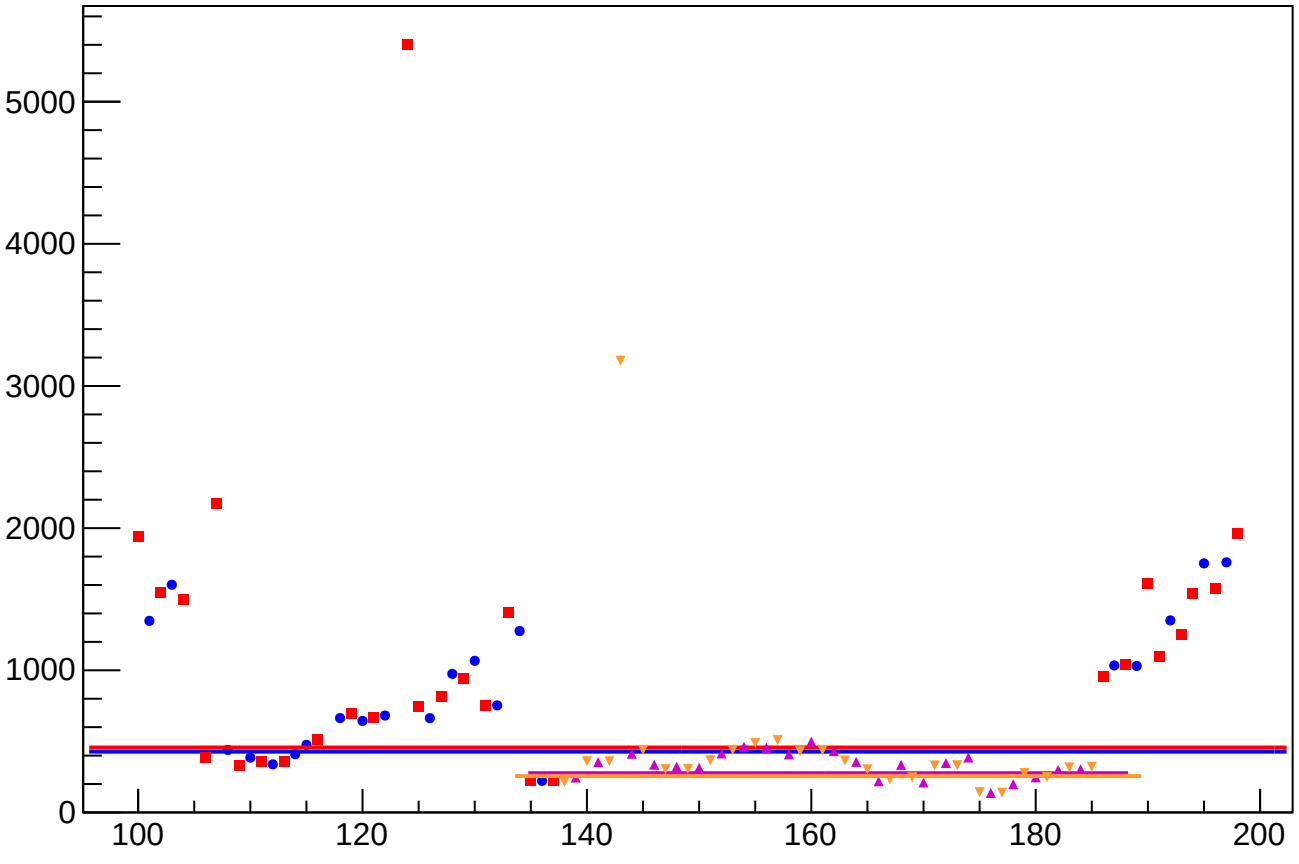
Right Out: -272.734+/-162.612 χ^2/NDF: 25.8/26

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.845+/-59.817 χ^2/NDF: 67.5/45

All: -163.787+/-43.506 χ^2/NDF: 112.6/95

- sign -137.888+/-63.394 χ^2/NDF: 44.8/49



Right In: 427.945+/-0.117 χ^2/NDF: 7778236.2/20

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

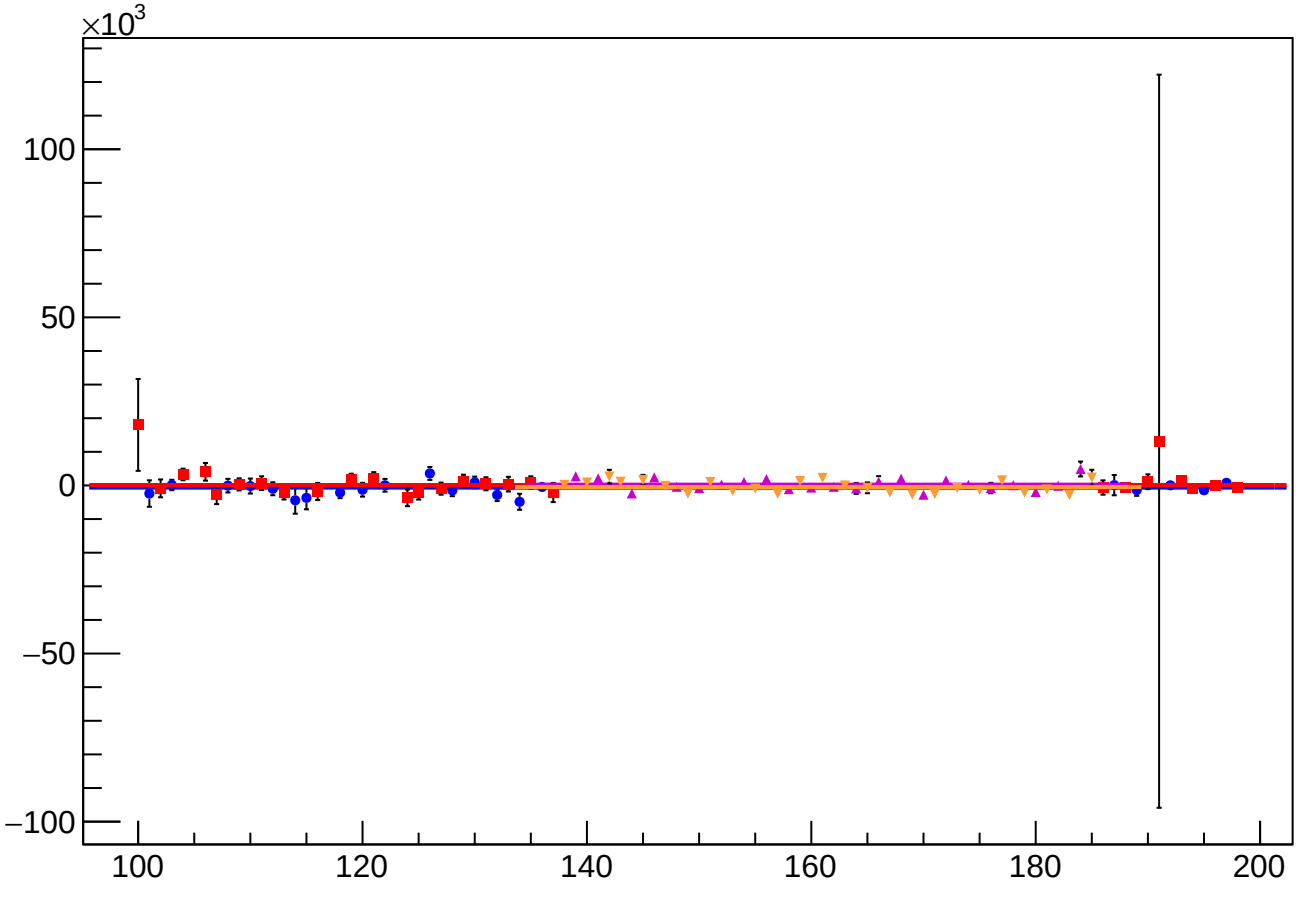
Right Out: 456.865+/-0.115 χ^2/NDF: 9557914.2/26

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 278.162+/-0.042 χ^2/NDF: 16027073.1/45

All: 290.210+/-0.031 χ^2/NDF: 31875888.9/95

- sign 303.741+/-0.045 χ^2/NDF: 15676566.7/49



Right In: -643.798+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 130.148+/-370.155 χ^2/NDF: 20.1/26

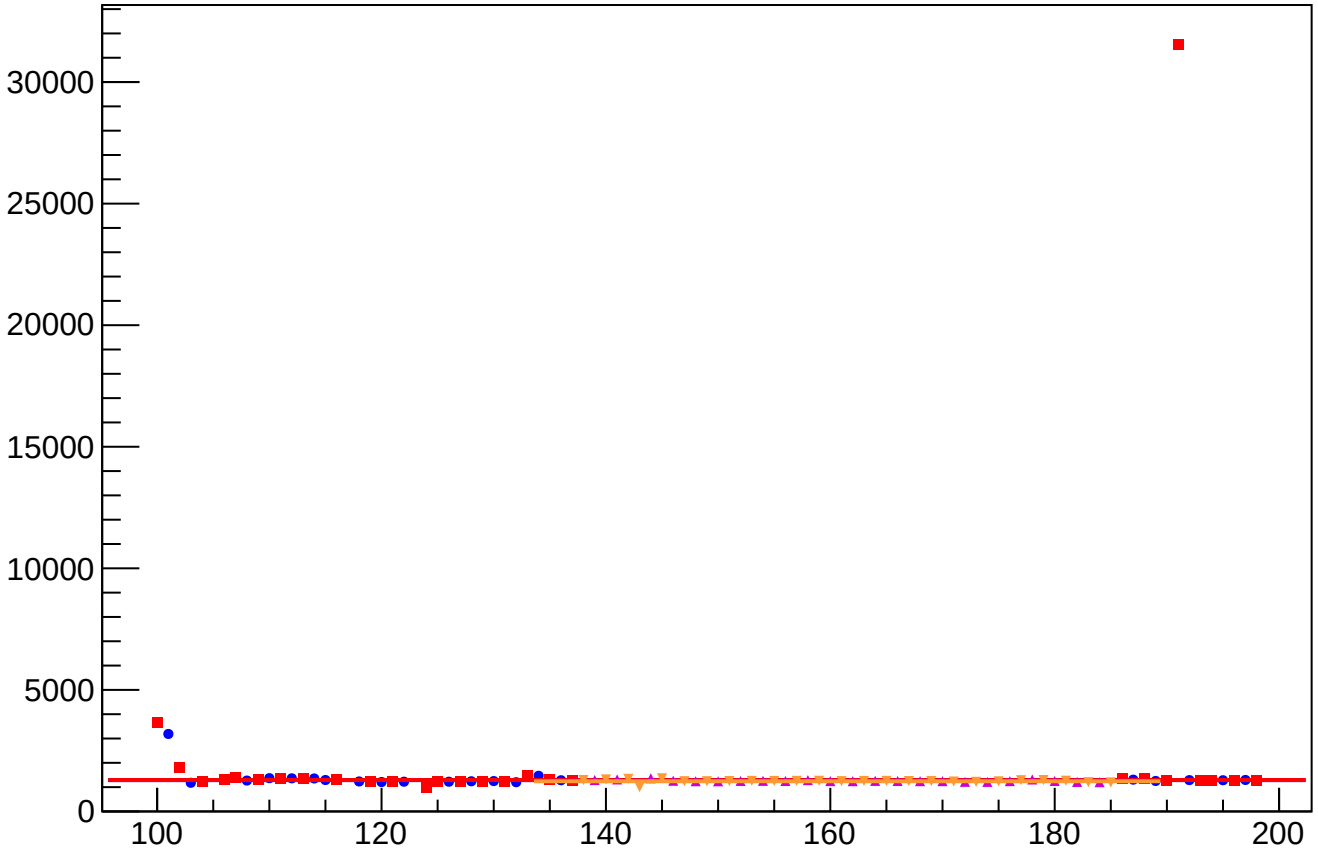
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.466+/-230.955 χ^2/NDF: 49.8/45

All: -171.474+/-163.107 χ^2/NDF: 105.9/95

- sign 198.674+/-230.381 χ^2/NDF: 50.9/49

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

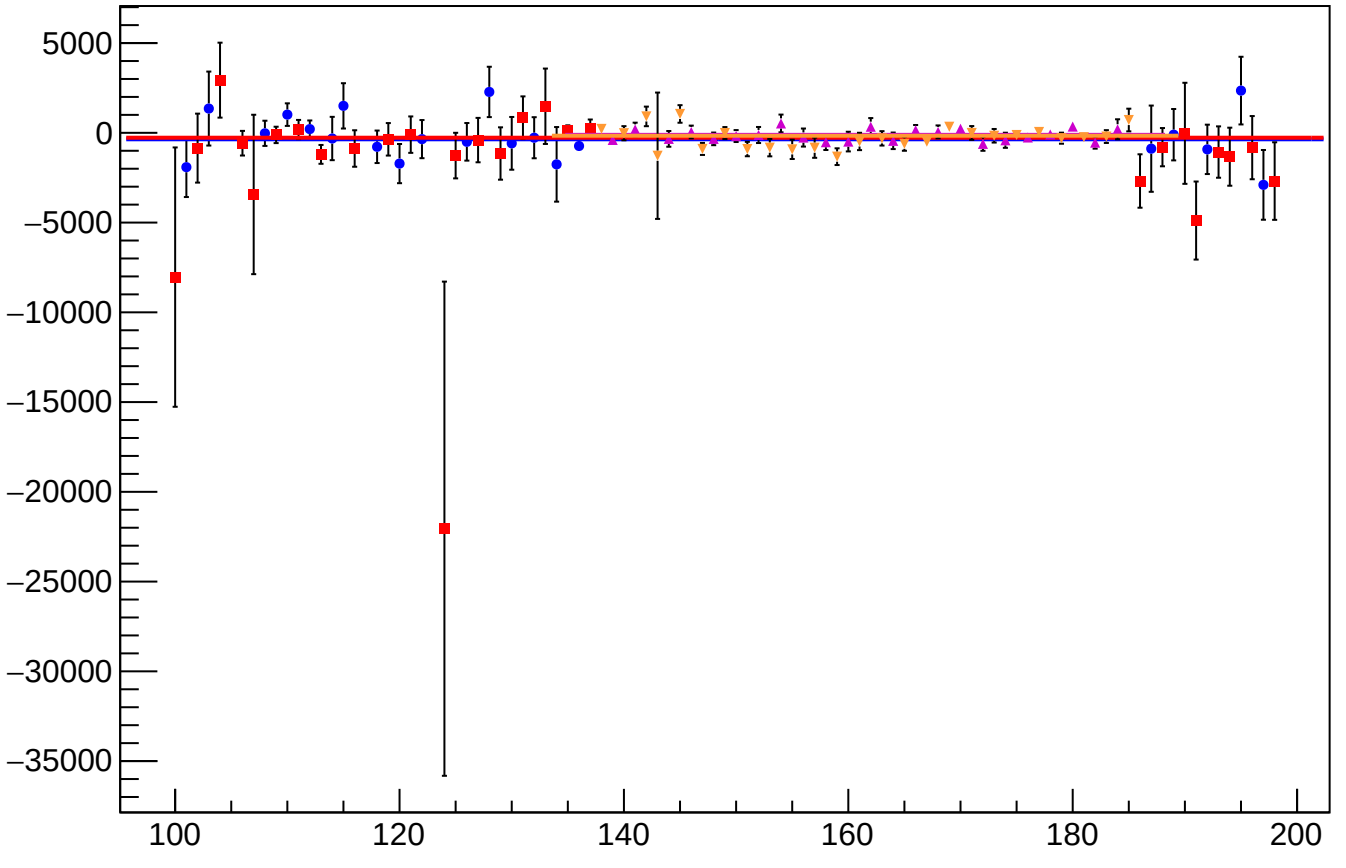
Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.6/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.219+/-0.163 χ^2/NDF: 658937.7/45

All: 1265.468+/-0.115 χ^2/NDF: 1072473.1/95

- sign 1272.680+/-0.163 χ^2/NDF: 409604.9/49



Right In: -360.181+/-165.864 χ^2/NDF: 22.5/20

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

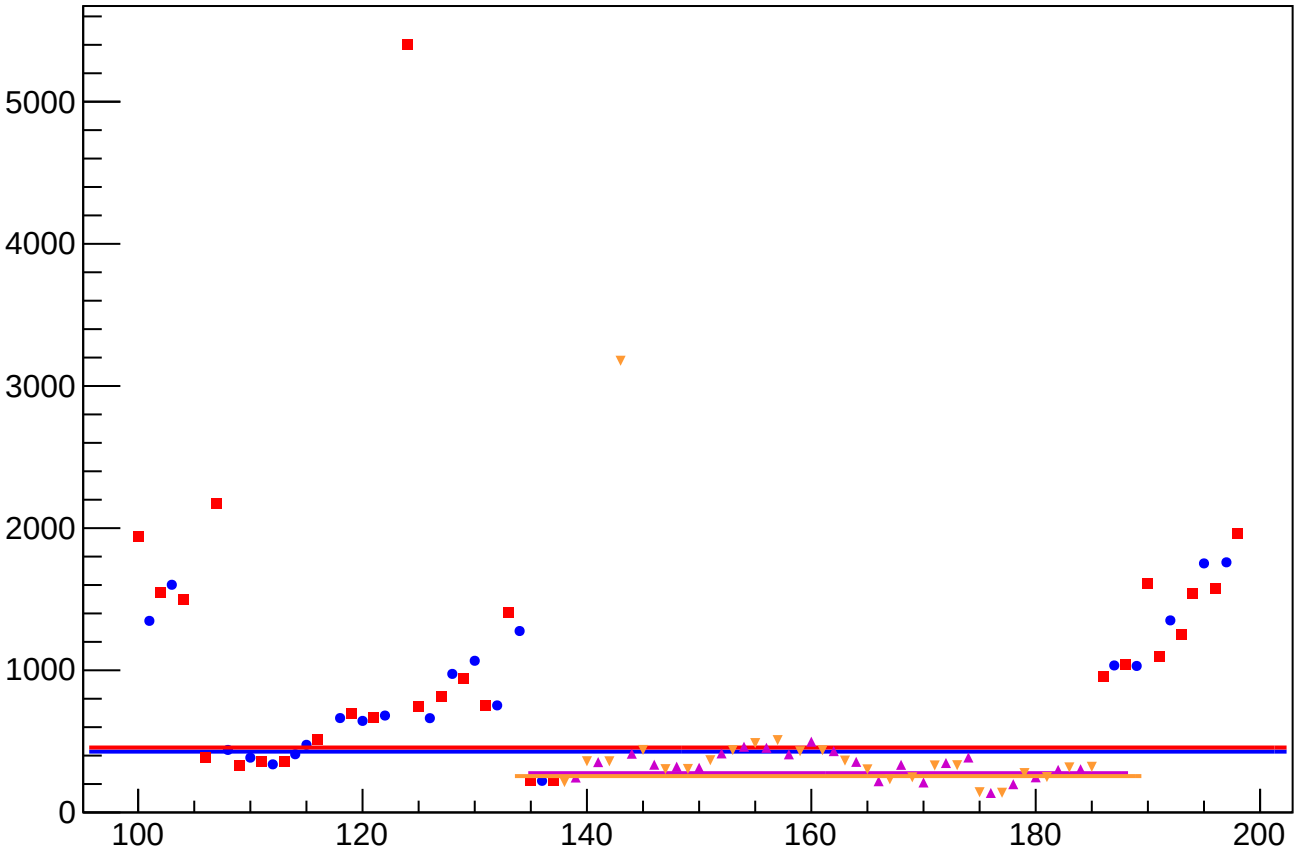
Right Out: -272.742+/-162.614 χ^2/NDF: 25.8/26

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.847+/-59.817 χ^2/NDF: 67.5/45

All: -163.788+/-43.507 χ^2/NDF: 112.6/95

- sign -137.888+/-63.394 χ^2/NDF: 44.8/49



Right In: 427.956+/-0.117 χ^2/NDF: 7777980.4/20

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

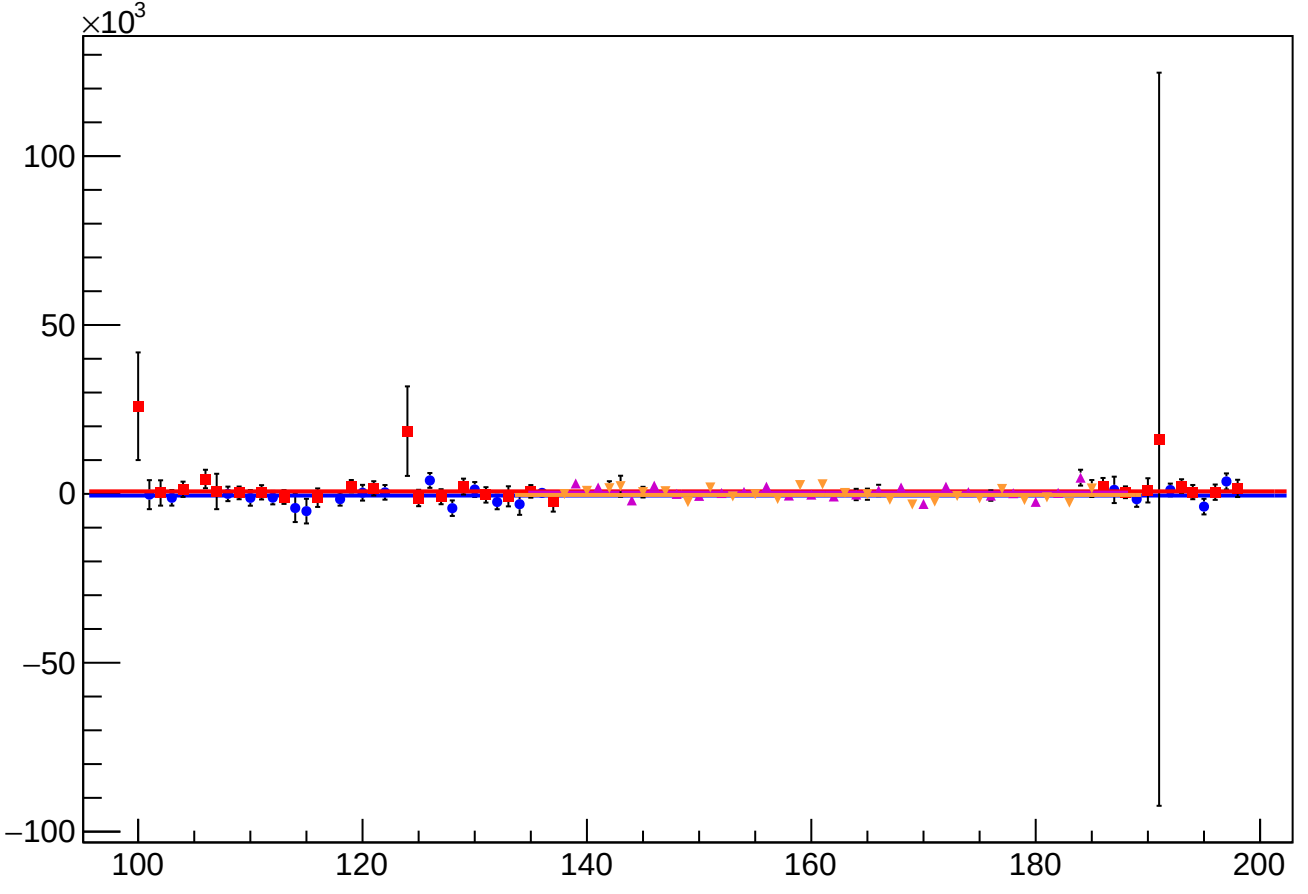
Right Out: 456.874+/-0.115 χ^2/NDF: 9557684.8/26

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 278.164+/-0.042 χ^2/NDF: 16026876.4/45

All: 290.211+/-0.031 χ^2/NDF: 31875564.3/95

- sign 303.742+/-0.045 χ^2/NDF: 15676451.3/49



Right In: -488.681+/-497.145 χ^2/NDF: 18.8/20

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 745.033+/-472.332 χ^2/NDF: 12.5/26

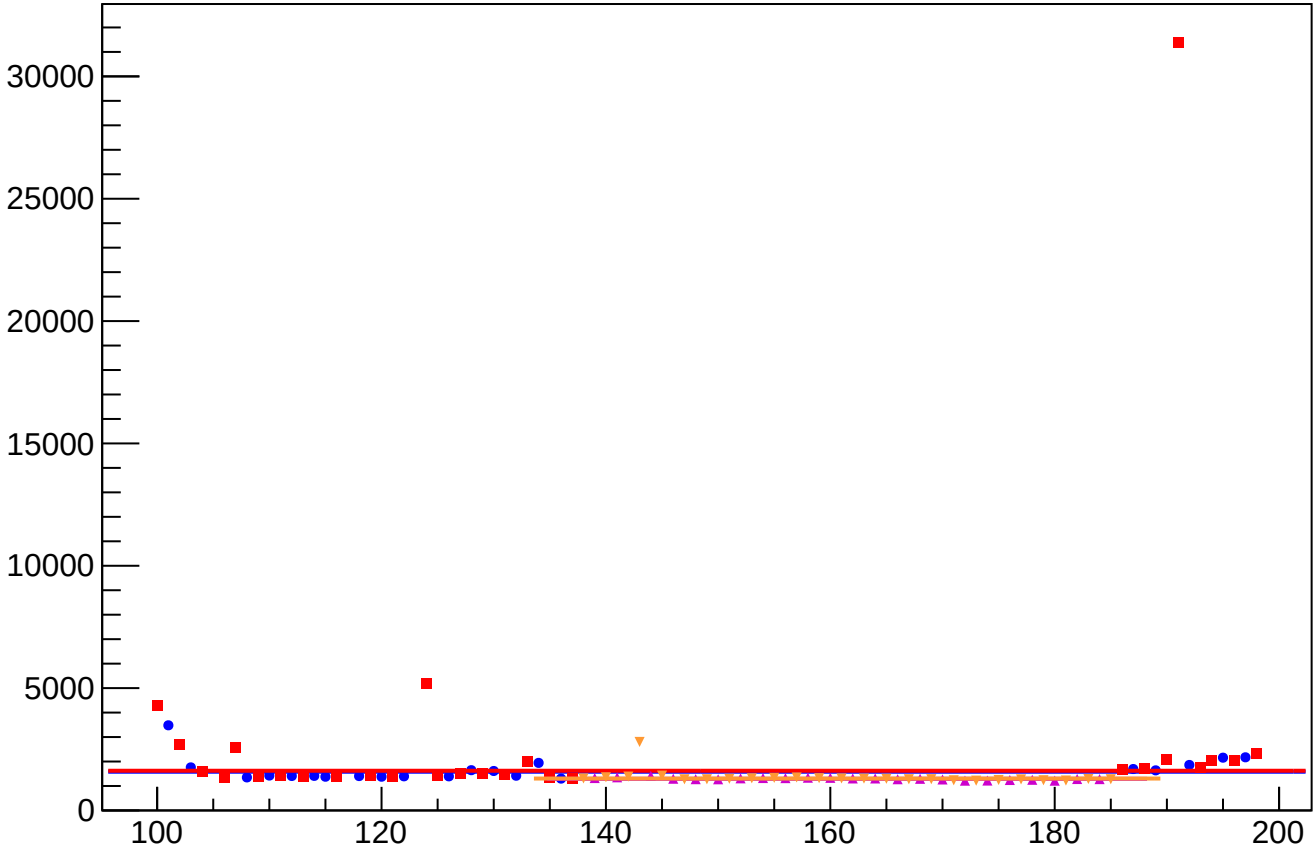
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

\+ sign -364.459+/-255.769 χ^2/NDF: 50.5/45

All: 54.597+/-180.362 χ^2/NDF: 98.4/95

\- sign 469.112+/-254.379 χ^2/NDF: 42.6/49

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1583.181+/-0.352 χ^2/NDF: 935911.7/20

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

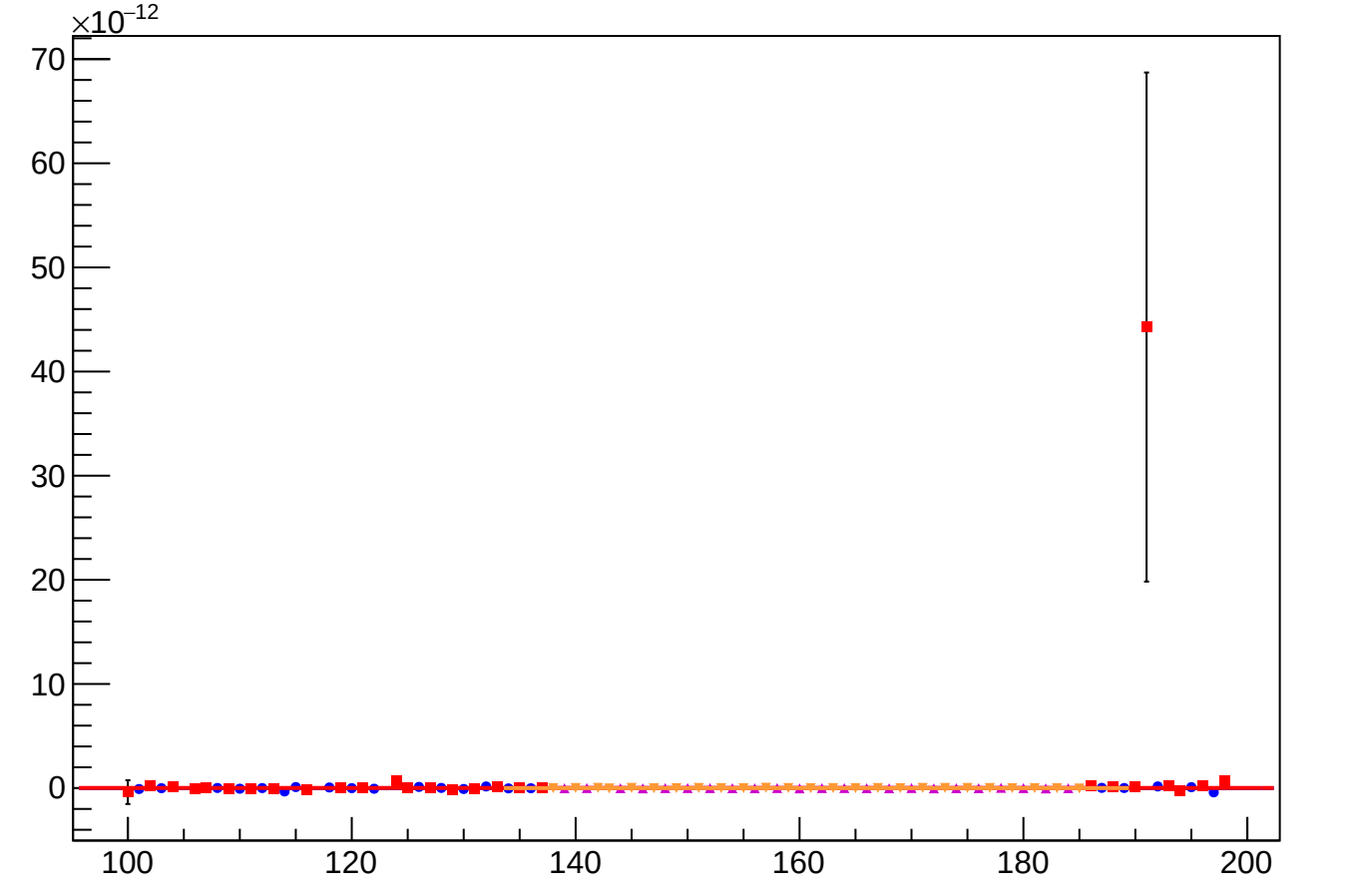
Right Out: 1622.668+/-0.334 χ^2/NDF: 1222335.6/26

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1378.010+/-0.181 χ^2/NDF: 1918781.5/45

All: 1383.031+/-0.128 χ^2/NDF: 3886381.0/95

- sign 1387.997+/-0.180 χ^2/NDF: 1966066.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

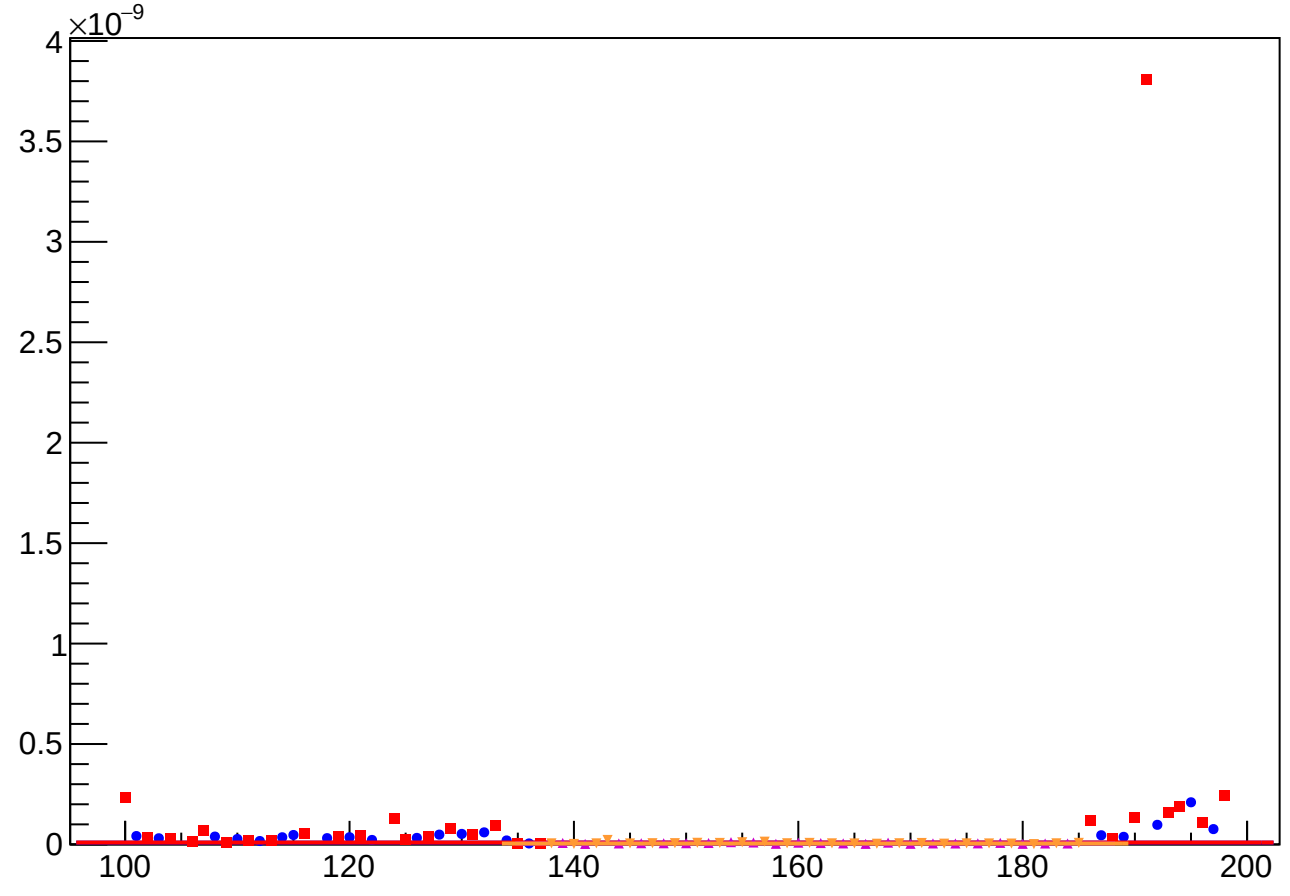
Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/26

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/45

All: 0.000+/-0.000 χ^2/NDF: 109.9/95

- sign 0.000+/-0.000 χ^2/NDF: 67.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 4820521.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

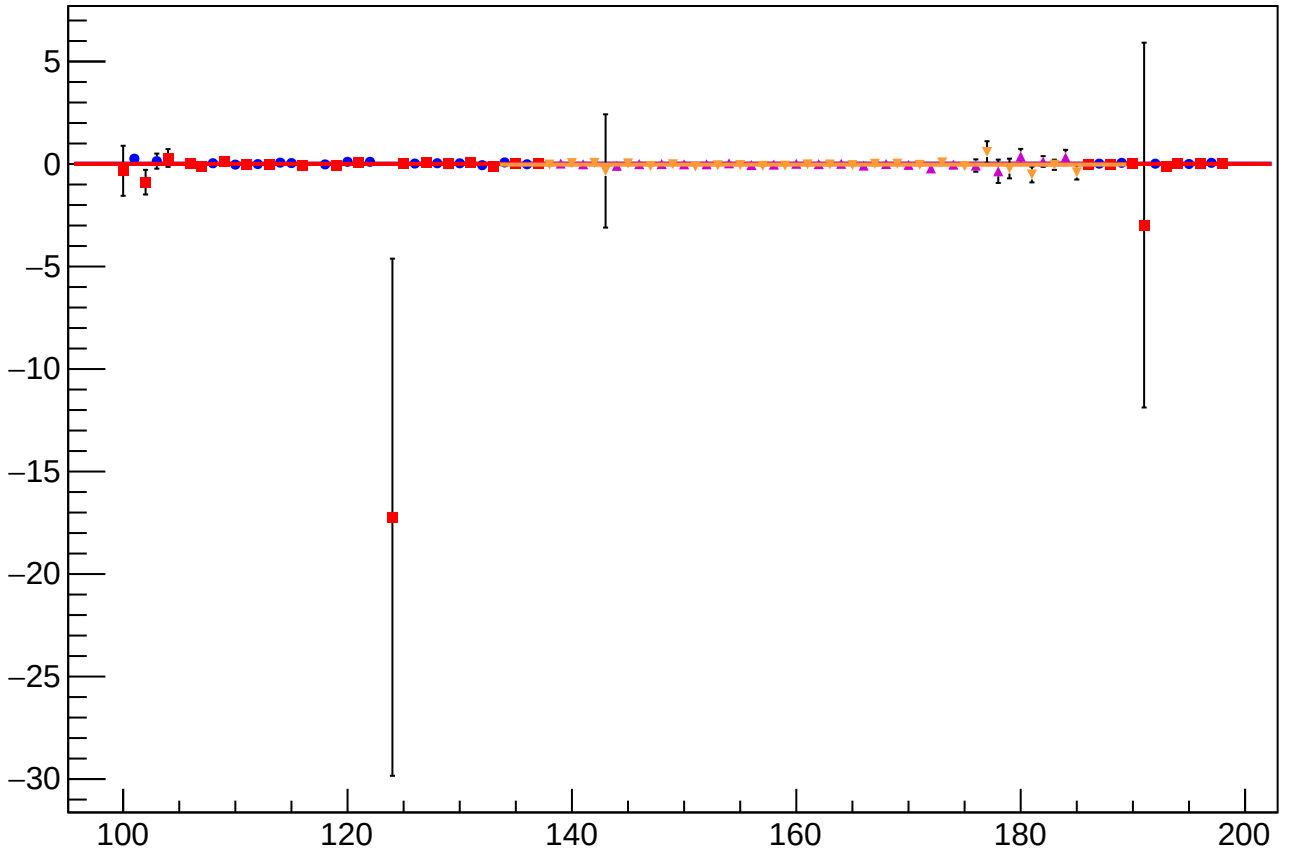
Right Out: 0.000+/-0.000 χ^2/NDF: 6969984.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8227429.9/45

All: 0.000+/-0.000 χ^2/NDF: 17799474.6/95

- sign 0.000+/-0.000 χ^2/NDF: 9546979.8/49



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

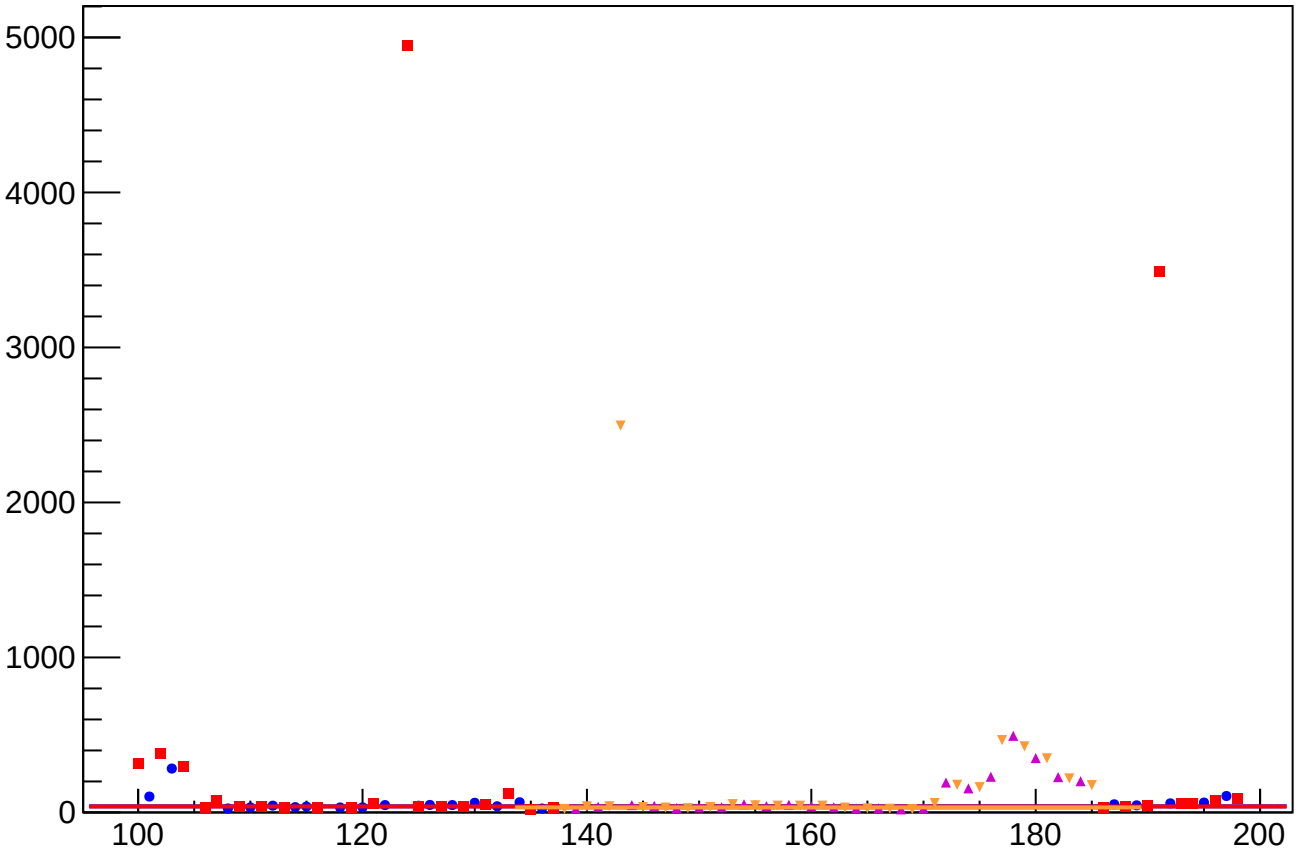
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.4/95

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

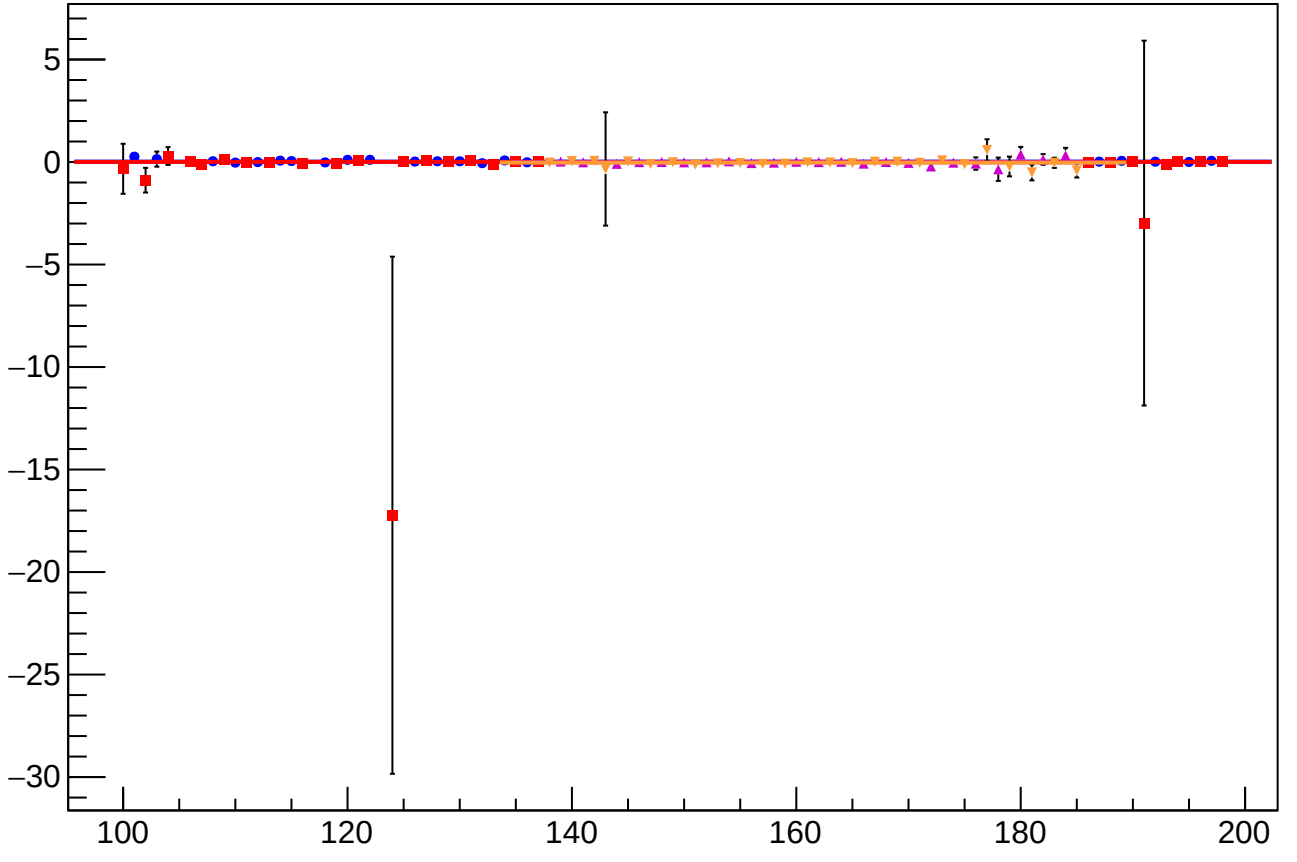
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632770.5/45

All: 34.734+/-0.004 χ^2/NDF: 28592136.0/95

- sign 34.771+/-0.005 χ^2/NDF: 13959267.7/49

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

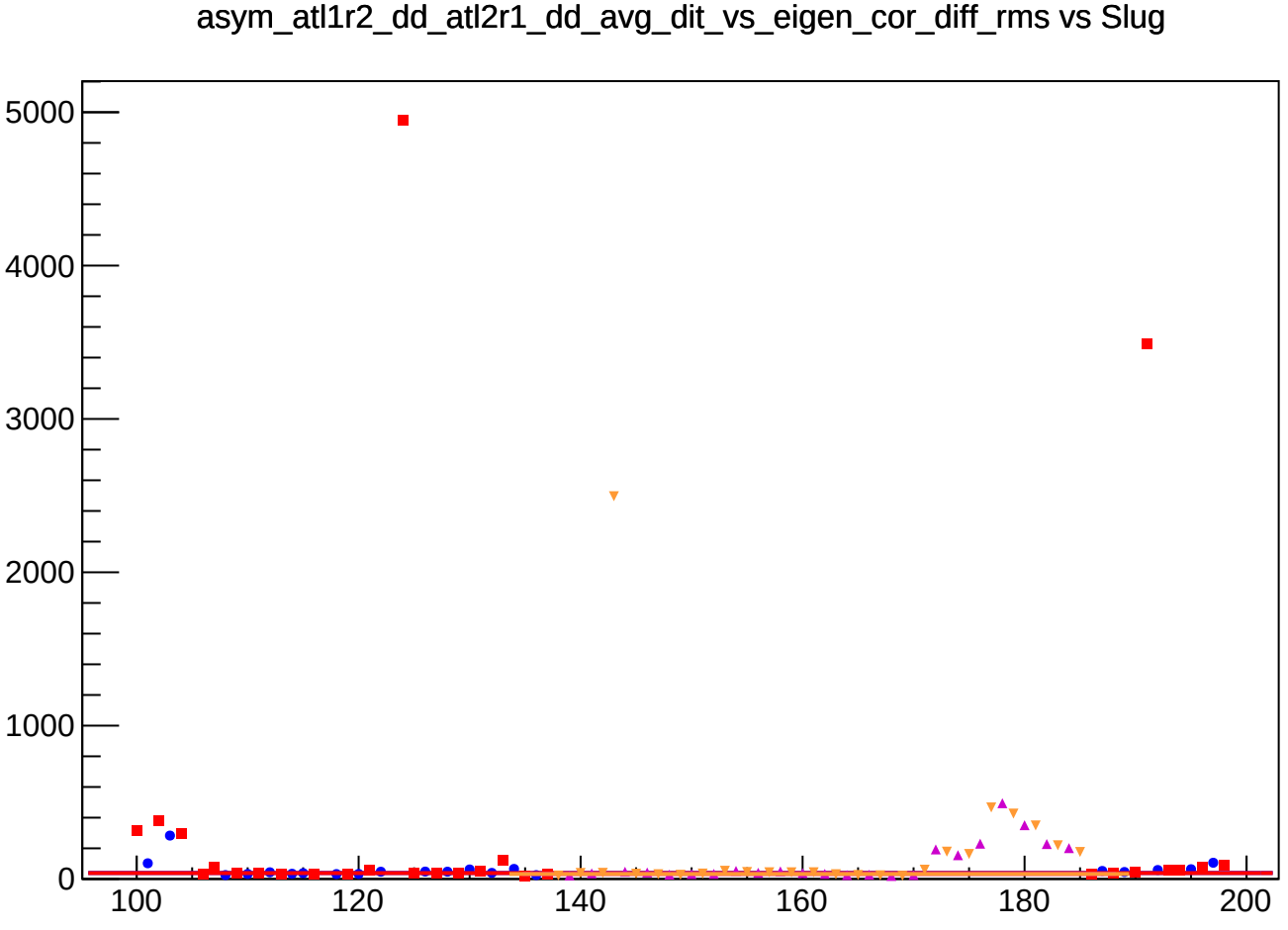
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.4/95

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

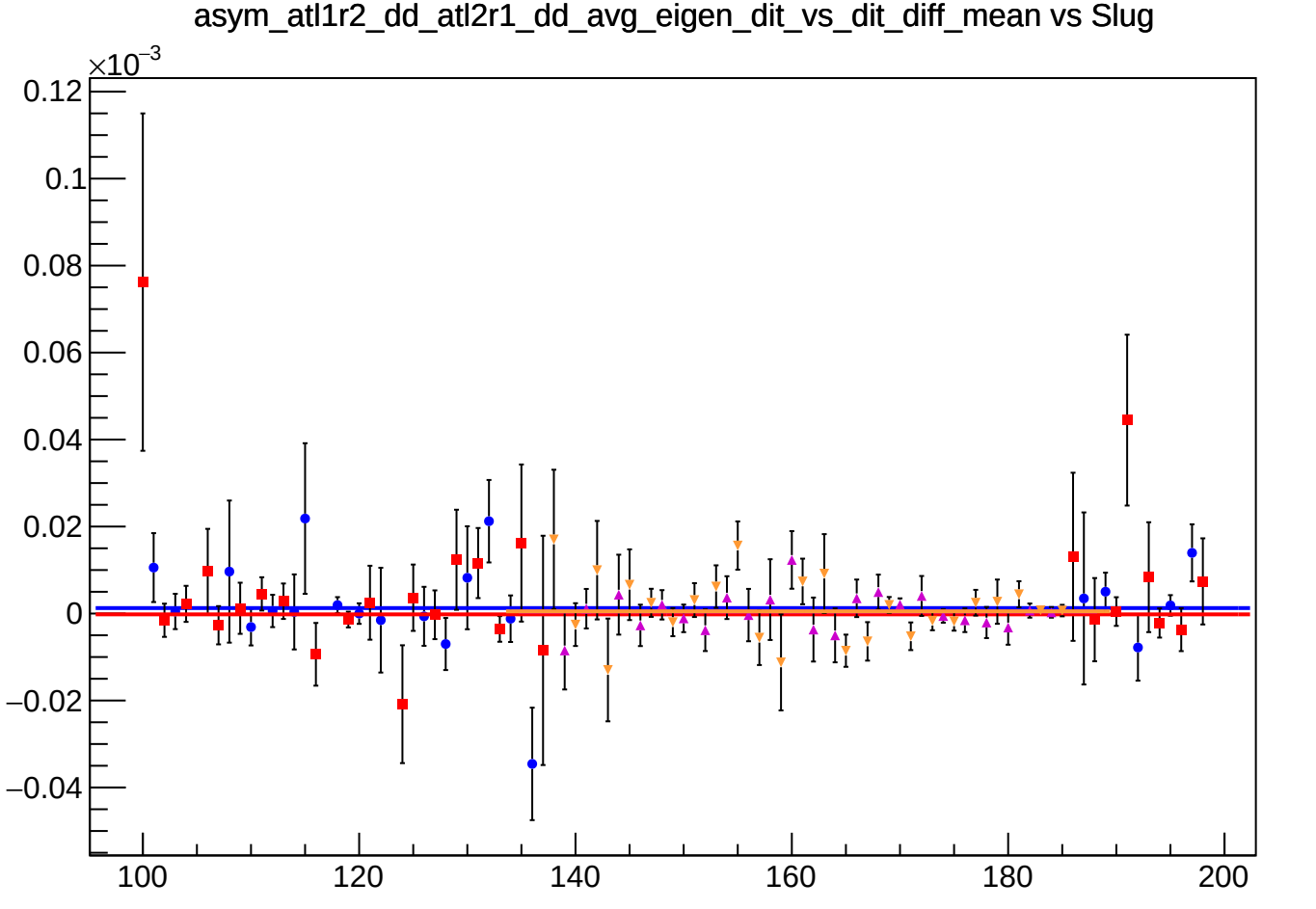
Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

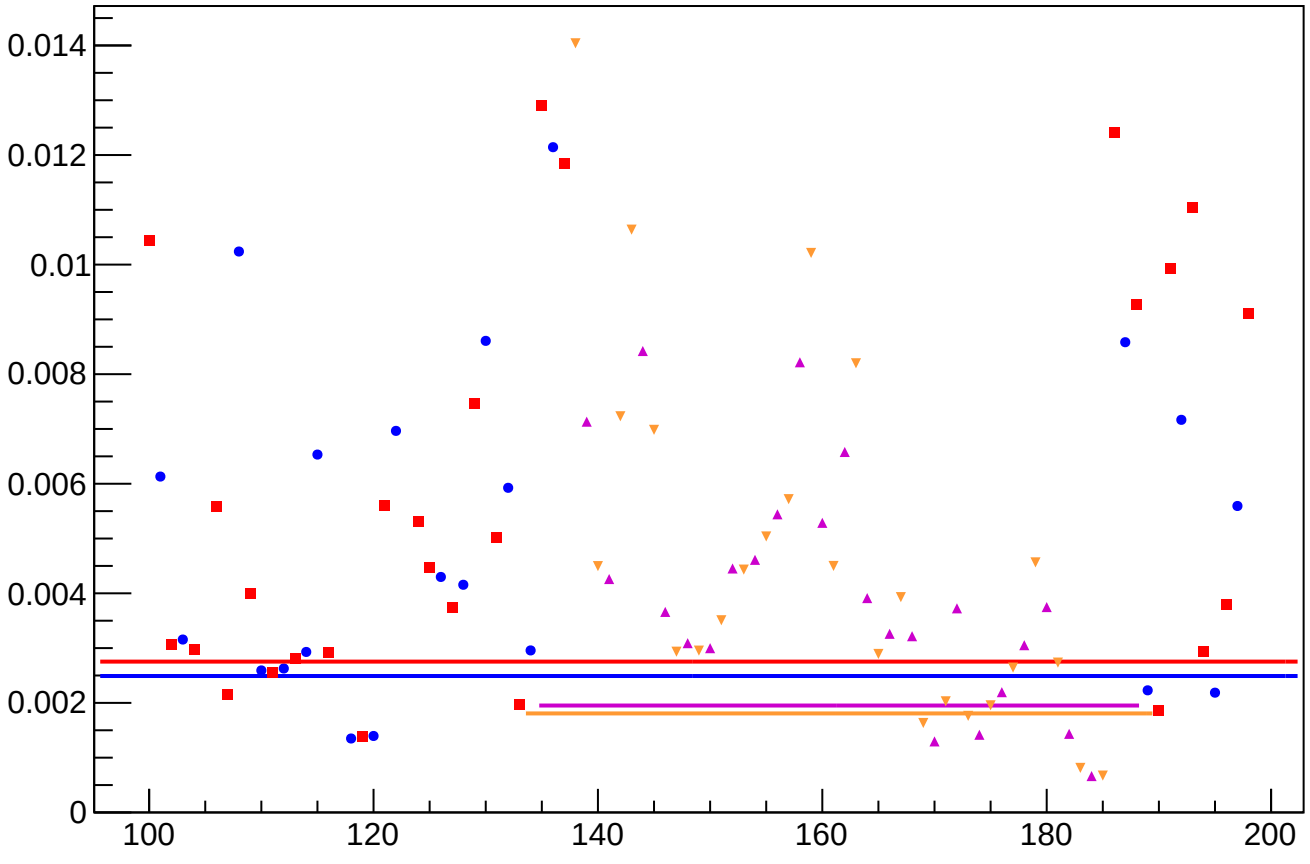
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632770.5/45

All: 34.734+/-0.004 χ^2/NDF: 28592136.0/95

- sign 34.771+/-0.005 χ^2/NDF: 13959267.7/49


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.3/20
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.7/26
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 61.5/45
All: 0.000+/-0.000 χ²/NDF: 101.6/95
- sign 0.000+/-0.000 χ²/NDF: 39.7/49



Right In: 0.002+/-0.000 χ^2/NDF: 6175432.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

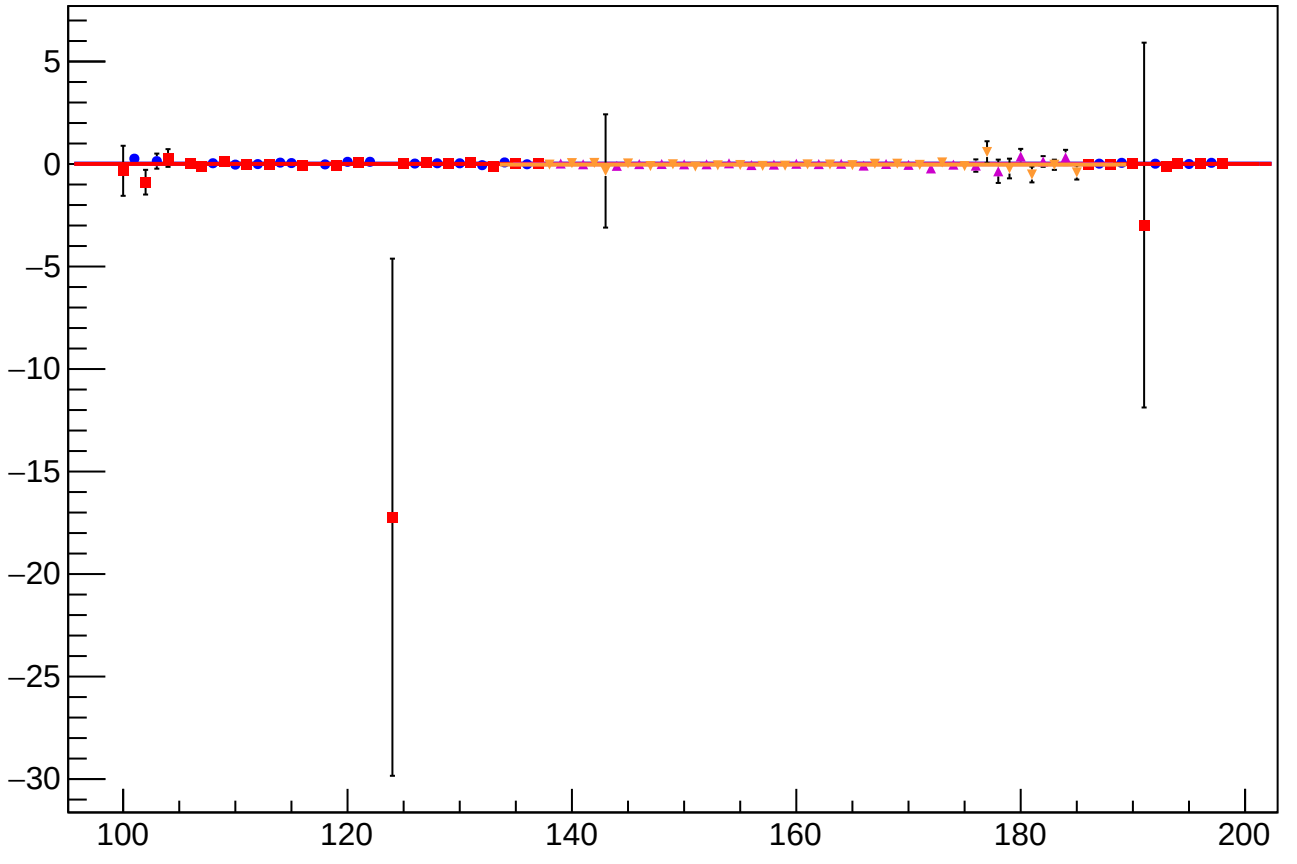
Right Out: 0.003+/-0.000 χ^2/NDF: 7117065.9/26

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 21884583.4/45

All: 0.002+/-0.000 χ^2/NDF: 41702487.3/95

- sign 0.002+/-0.000 χ^2/NDF: 19644526.0/49



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

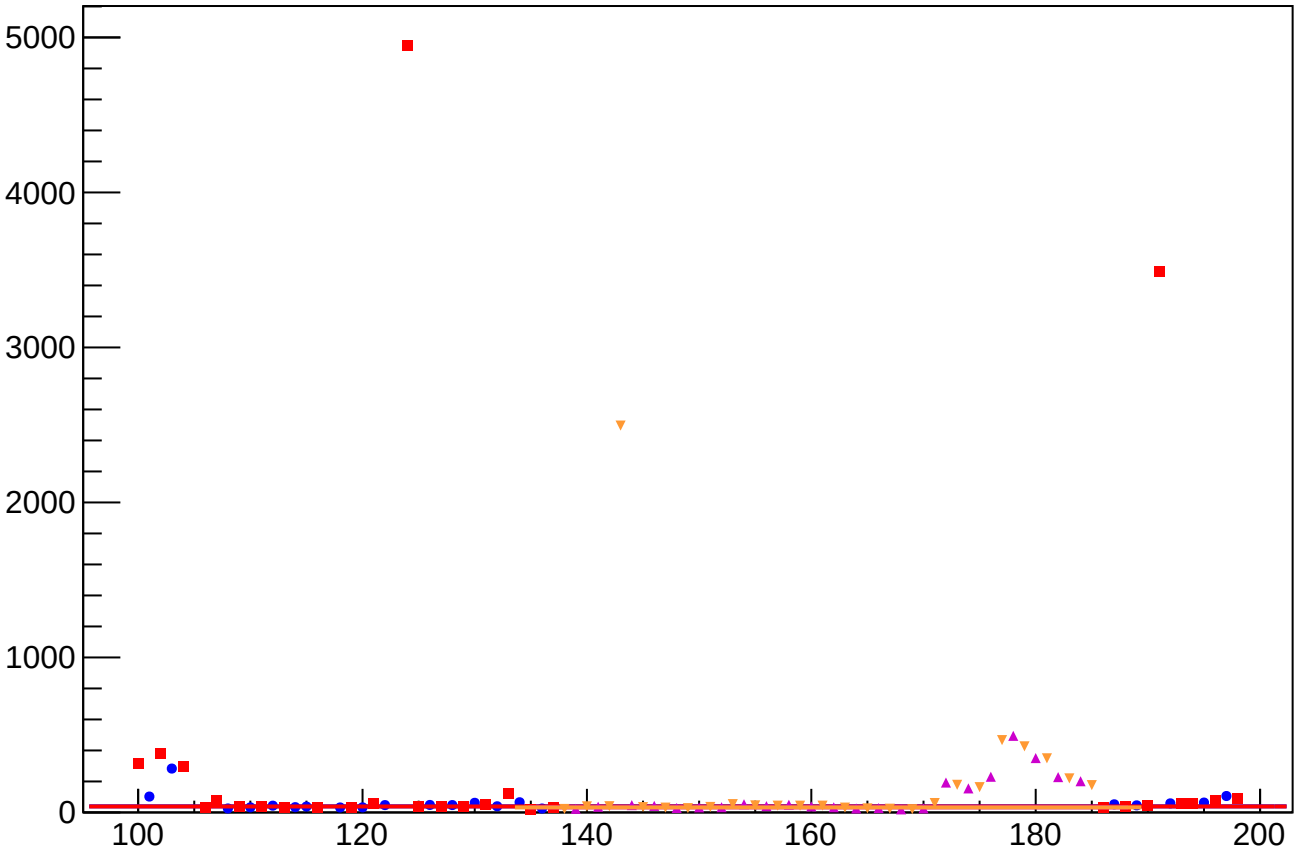
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.4/95

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

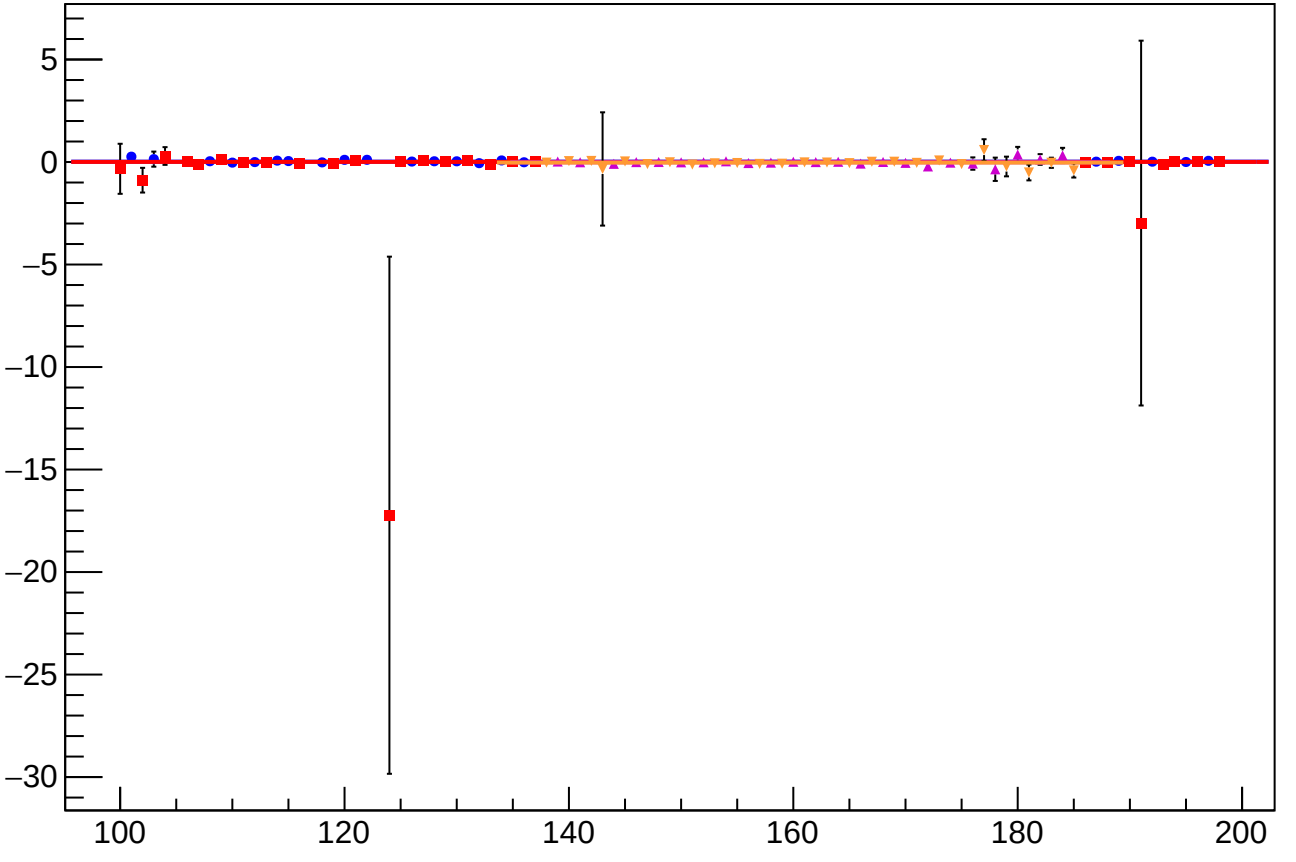
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632708.1/45

All: 34.733+/-0.004 χ^2/NDF: 28592610.5/95

- sign 34.770+/-0.005 χ^2/NDF: 13959807.3/49

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

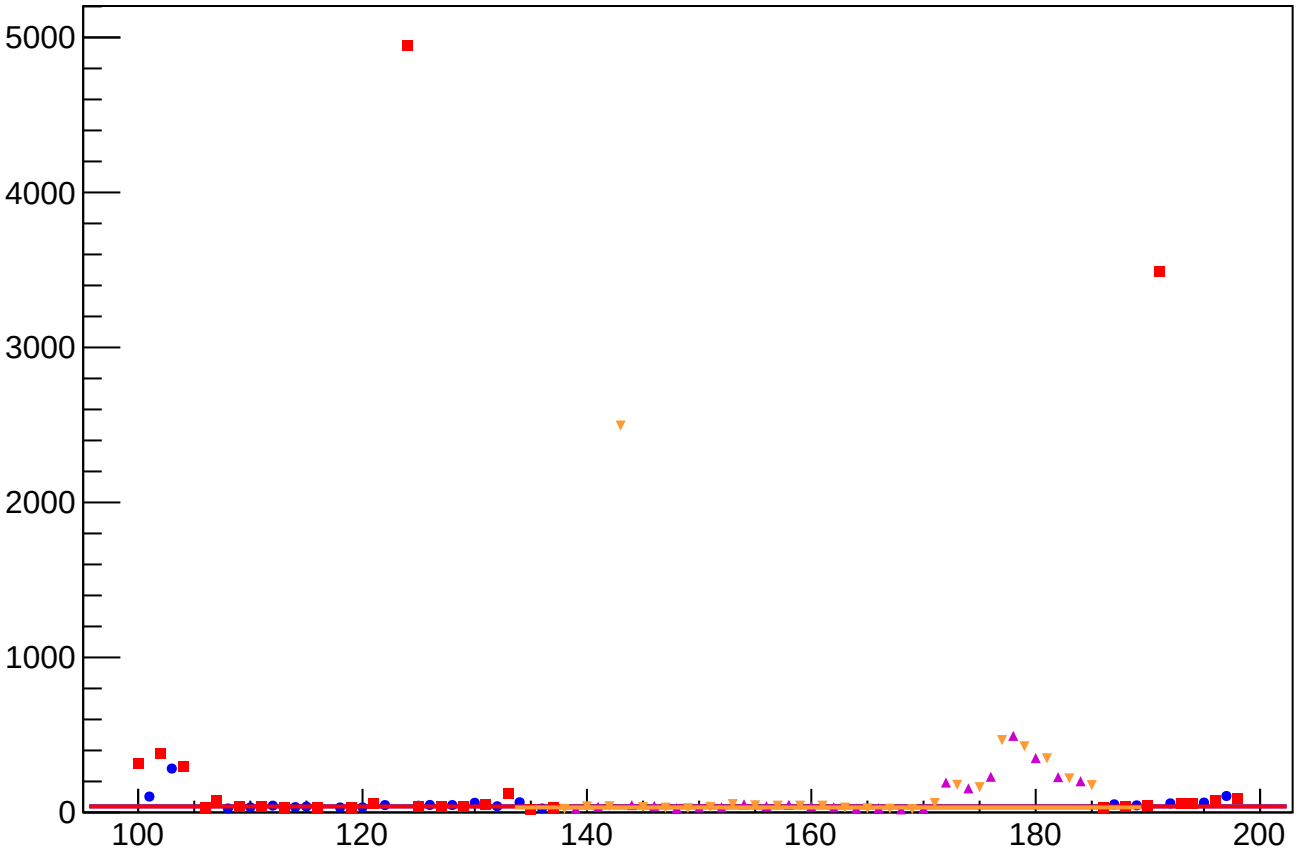
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.4/95

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

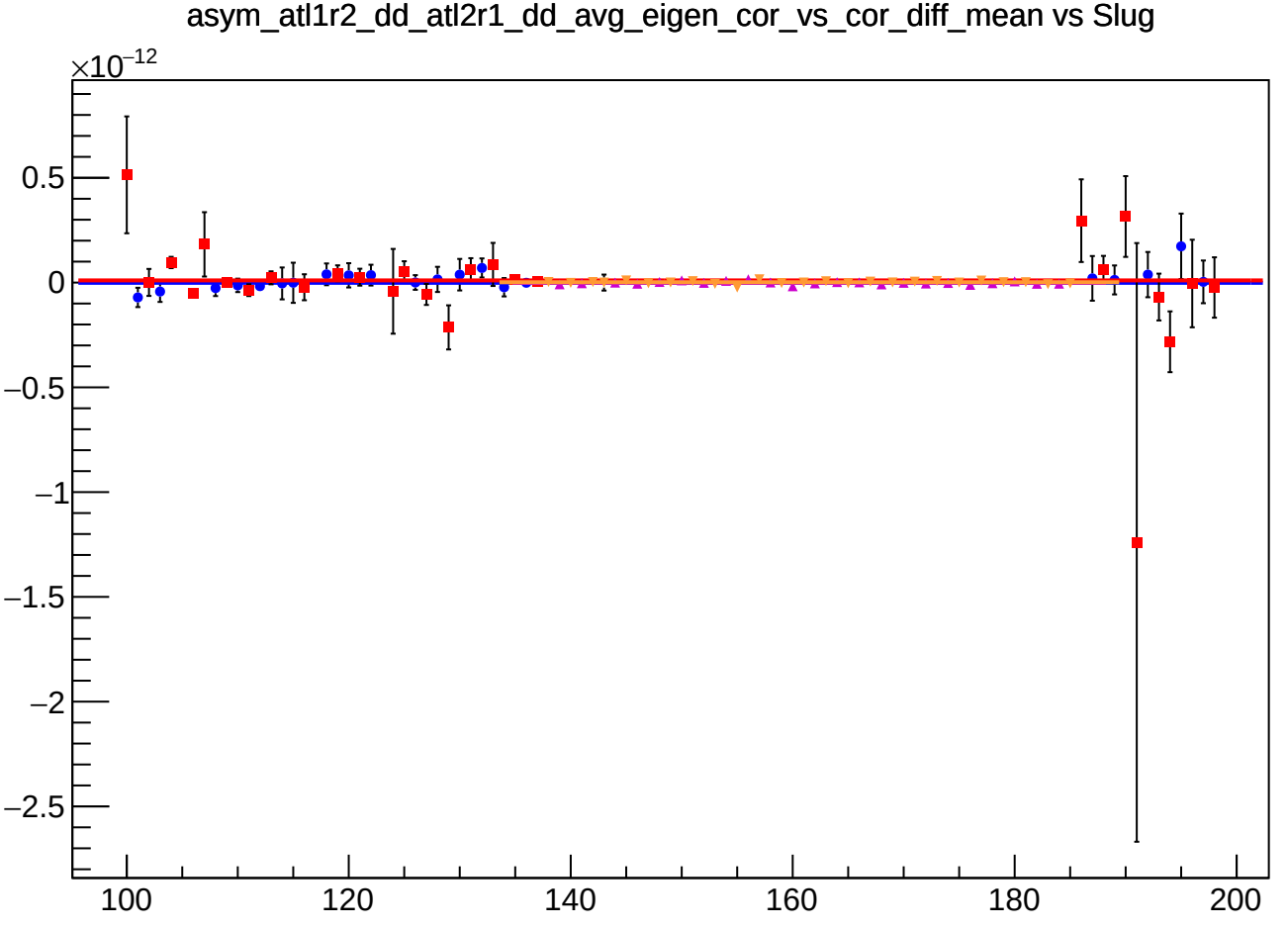
Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632708.1/45

All: 34.733+/-0.004 χ^2/NDF: 28592610.5/95

- sign 34.770+/-0.005 χ^2/NDF: 13959807.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

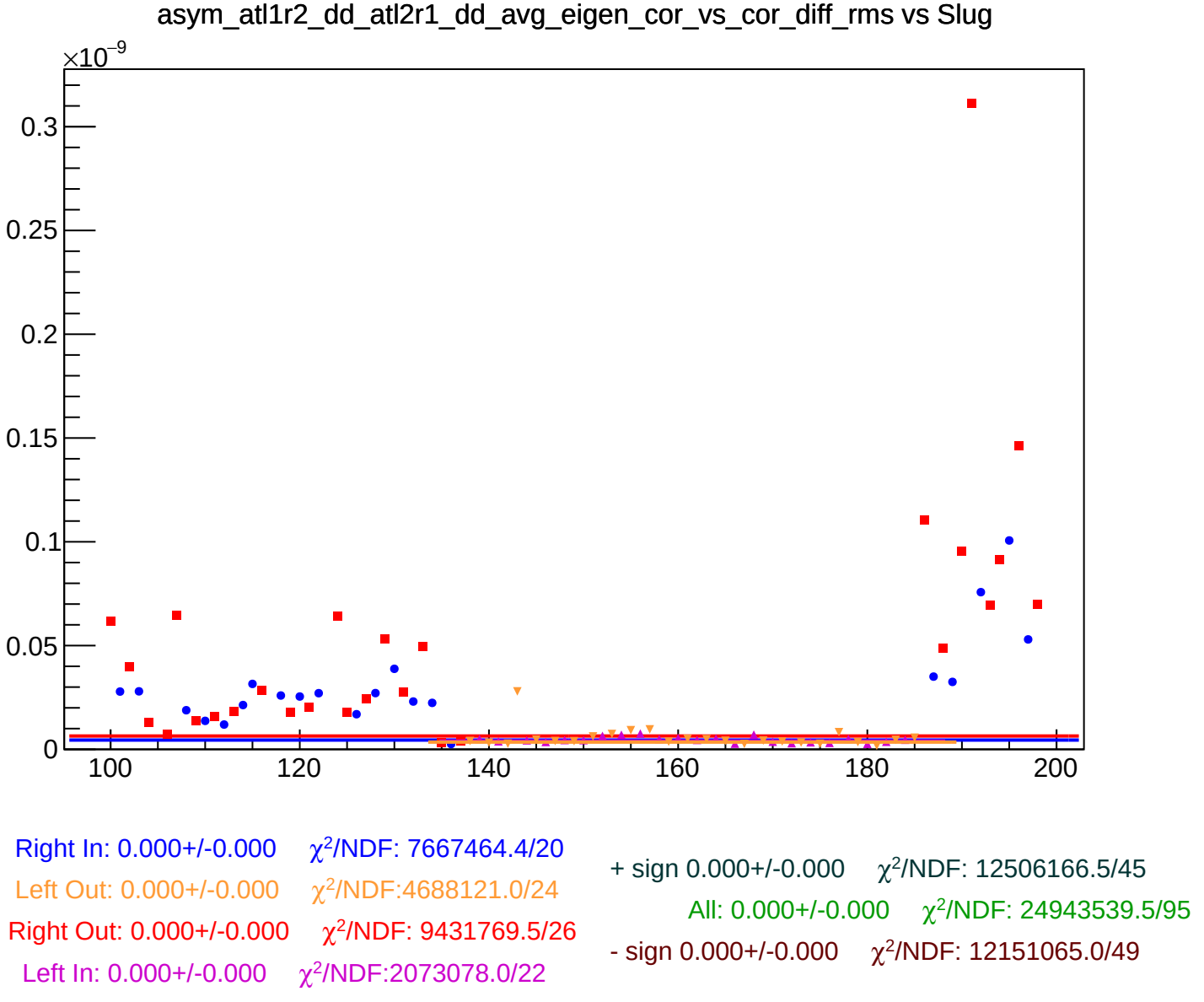
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/26

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

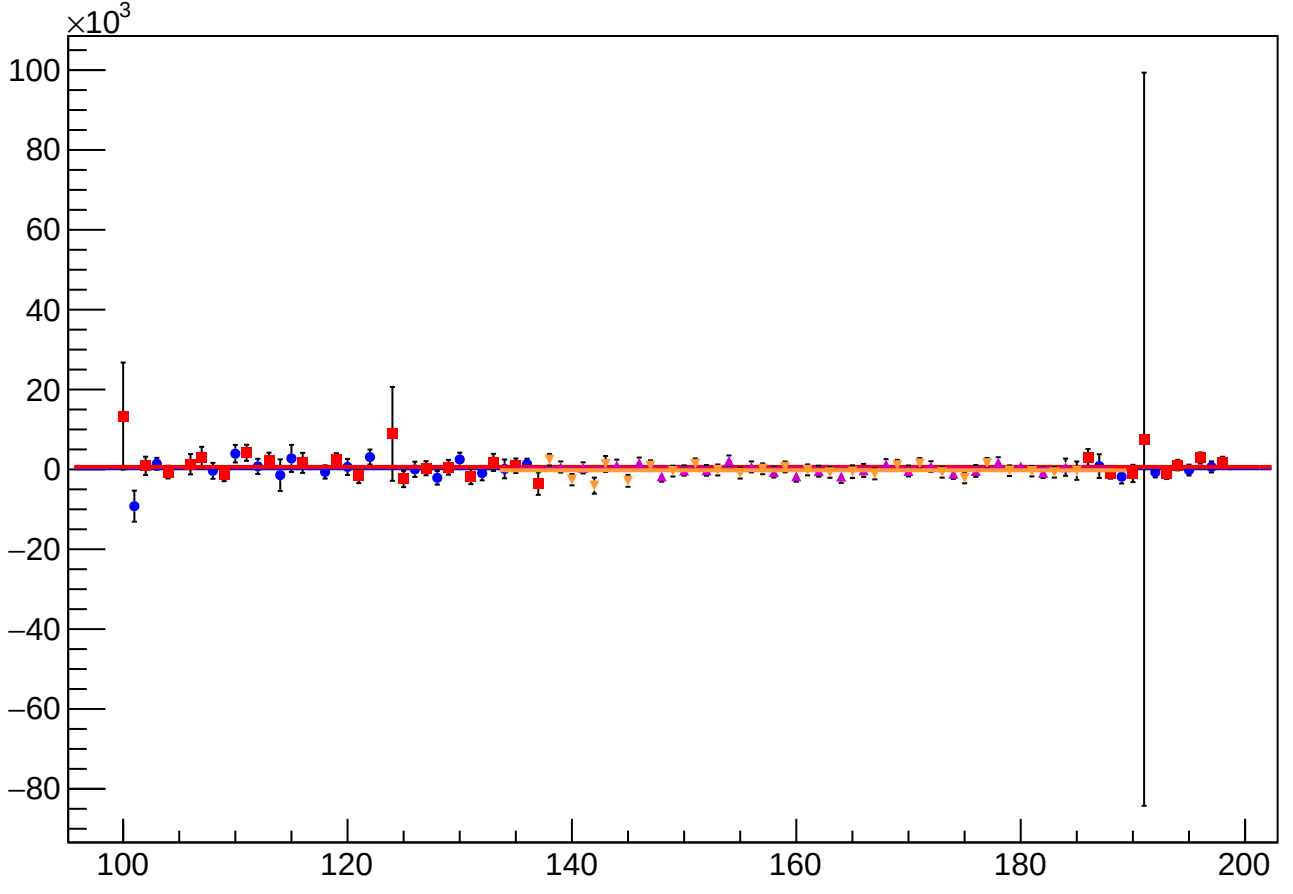
+ sign 0.000+/-0.000 χ^2/NDF: 28.7/45

All: 0.000+/-0.000 χ^2/NDF: 116.4/95

- sign -0.000+/-0.000 χ^2/NDF: 86.5/49


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7667464.4/20
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 9431769.5/26
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 12506166.5/45
All: 0.000+/-0.000 χ²/NDF: 24943539.5/95
- sign 0.000+/-0.000 χ²/NDF: 12151065.0/49

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 278.792+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 615.579+/-367.279 χ^2/NDF: 24.8/26

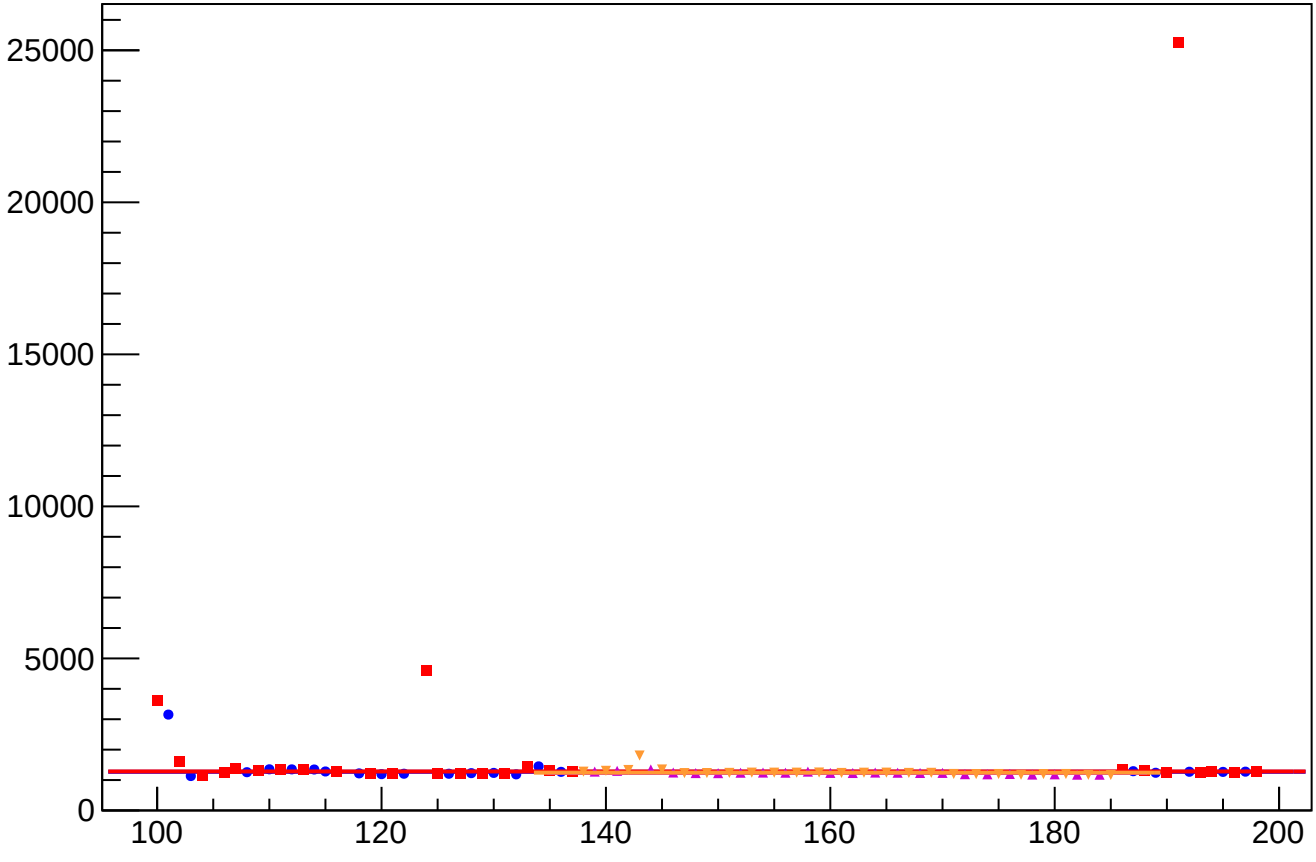
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -51.089+/-230.025 χ^2/NDF: 44.8/45

All: 122.819+/-161.478 χ^2/NDF: 86.6/95

- sign 291.793+/-226.738 χ^2/NDF: 40.7/49

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520131.2/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

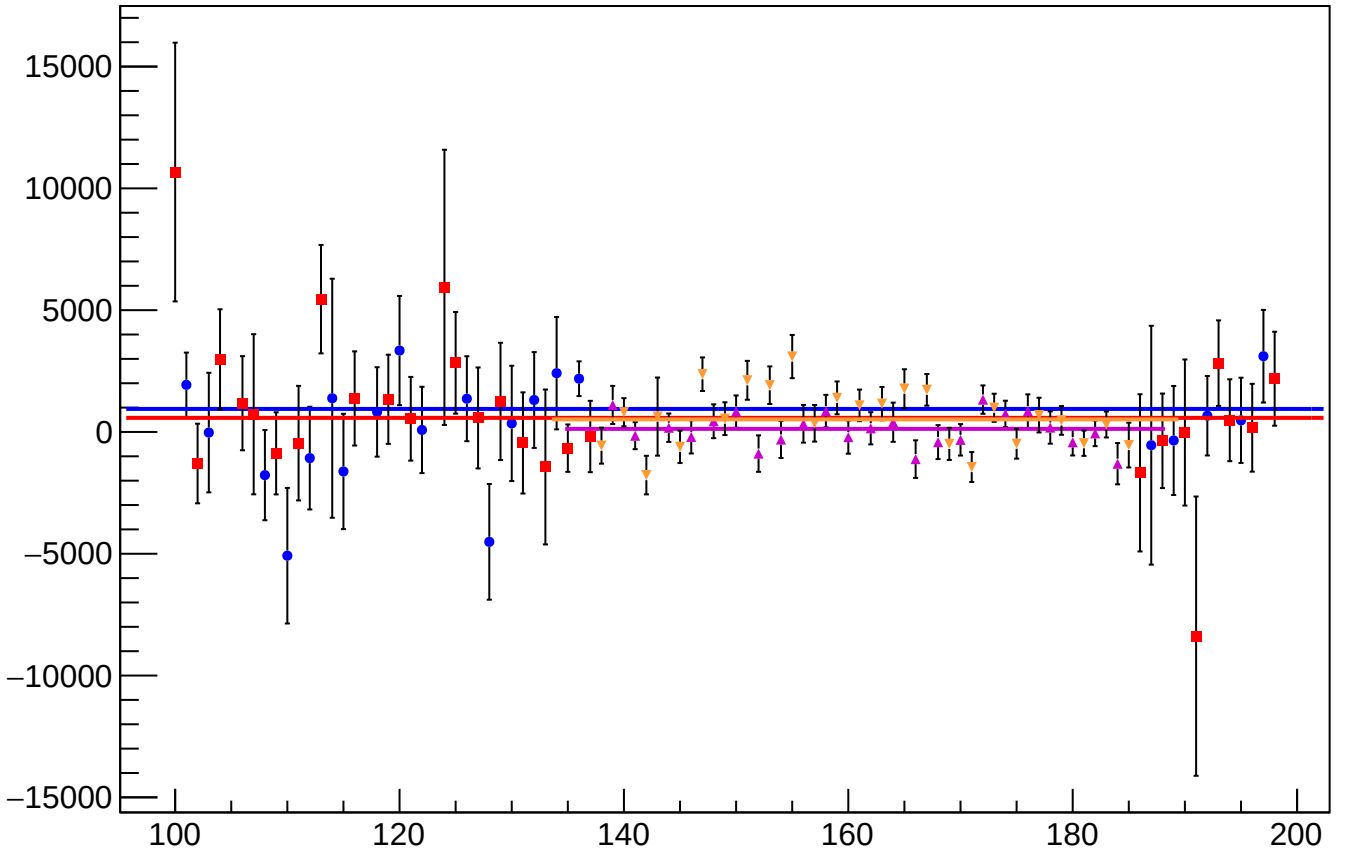
Right Out: 1282.613+/-0.260 χ^2/NDF: 468595.1/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730271.1/45

All: 1252.422+/-0.114 χ^2/NDF: 1260054.5/95

- sign 1252.374+/-0.160 χ^2/NDF: 529783.2/49



Right In: 945.510+/-385.336 χ^2/NDF: 21.7/20

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

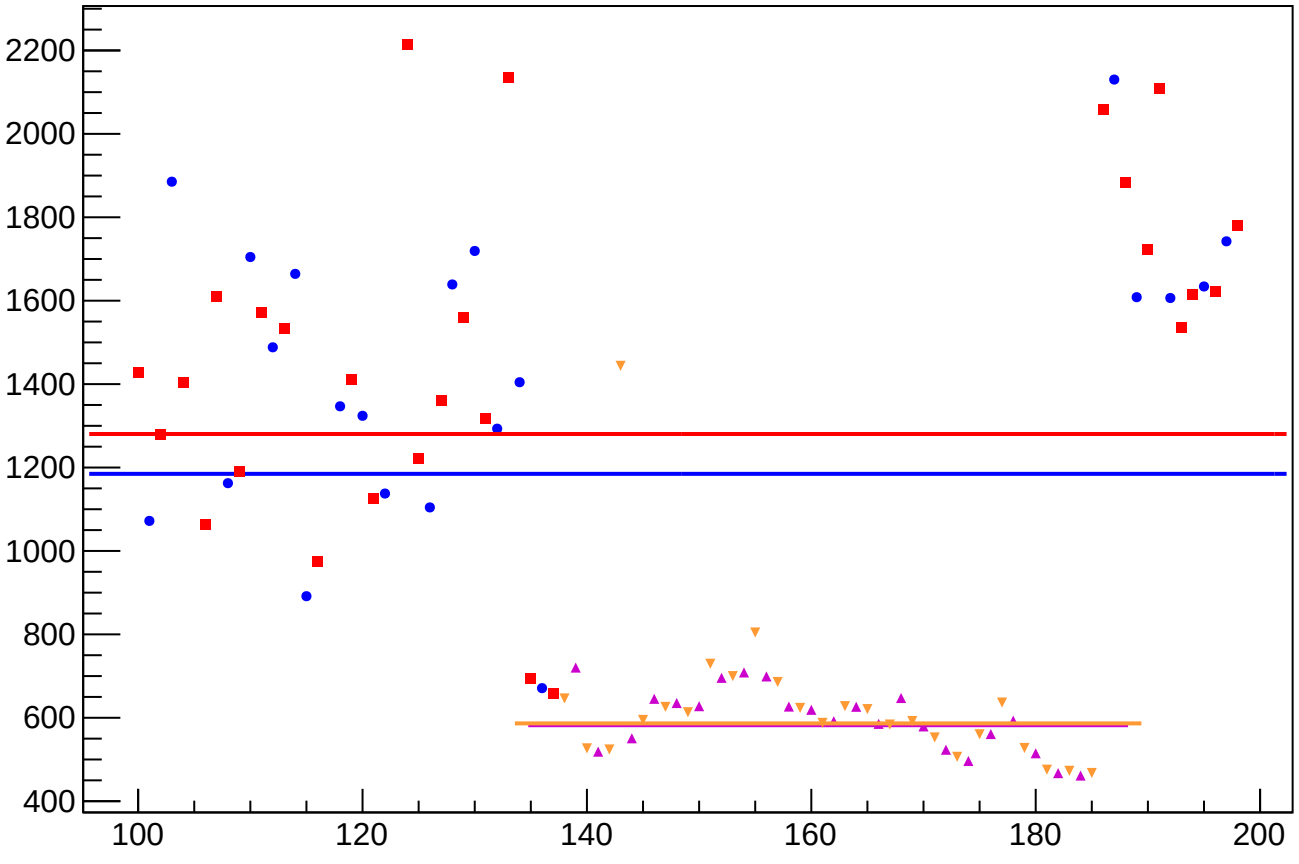
Right Out: 578.347+/-379.995 χ^2/NDF: 22.8/26

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 564.123+/-128.034 χ^2/NDF: 89.9/45

All: 373.020+/-90.909 χ^2/NDF: 139.9/95

- sign 178.716+/-129.101 χ^2/NDF: 45.6/49



Right In: 1184.875+/-0.272 χ^2/NDF: 2188879.6/20

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

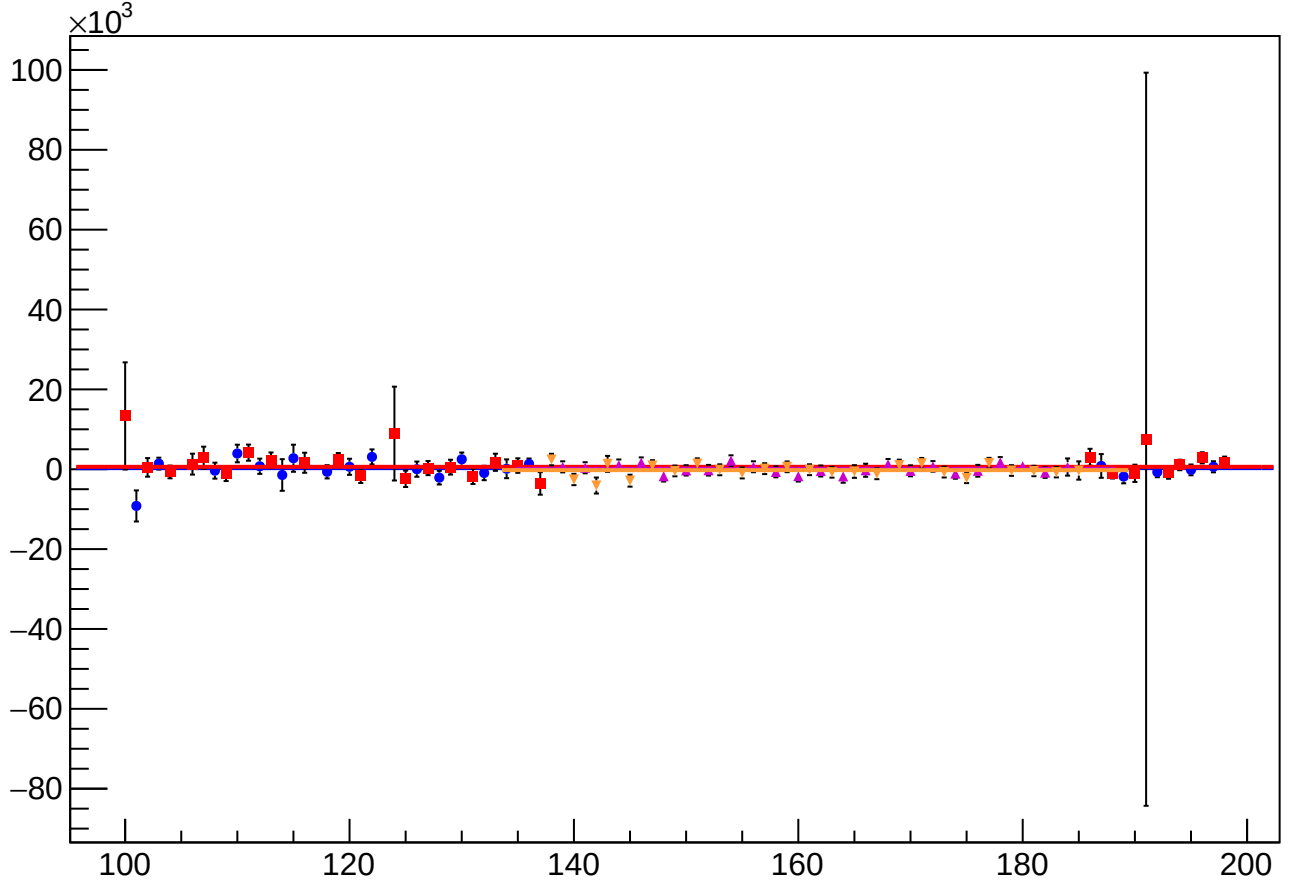
Right Out: 1280.399+/-0.269 χ^2/NDF: 2234342.5/26

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 652.612+/-0.091 χ^2/NDF: 7681327.4/45

All: 657.655+/-0.064 χ^2/NDF: 16453996.5/95

- sign 662.782+/-0.091 χ^2/NDF: 8766411.6/49



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 603.827+/-367.644 χ^2/NDF: 24.8/26

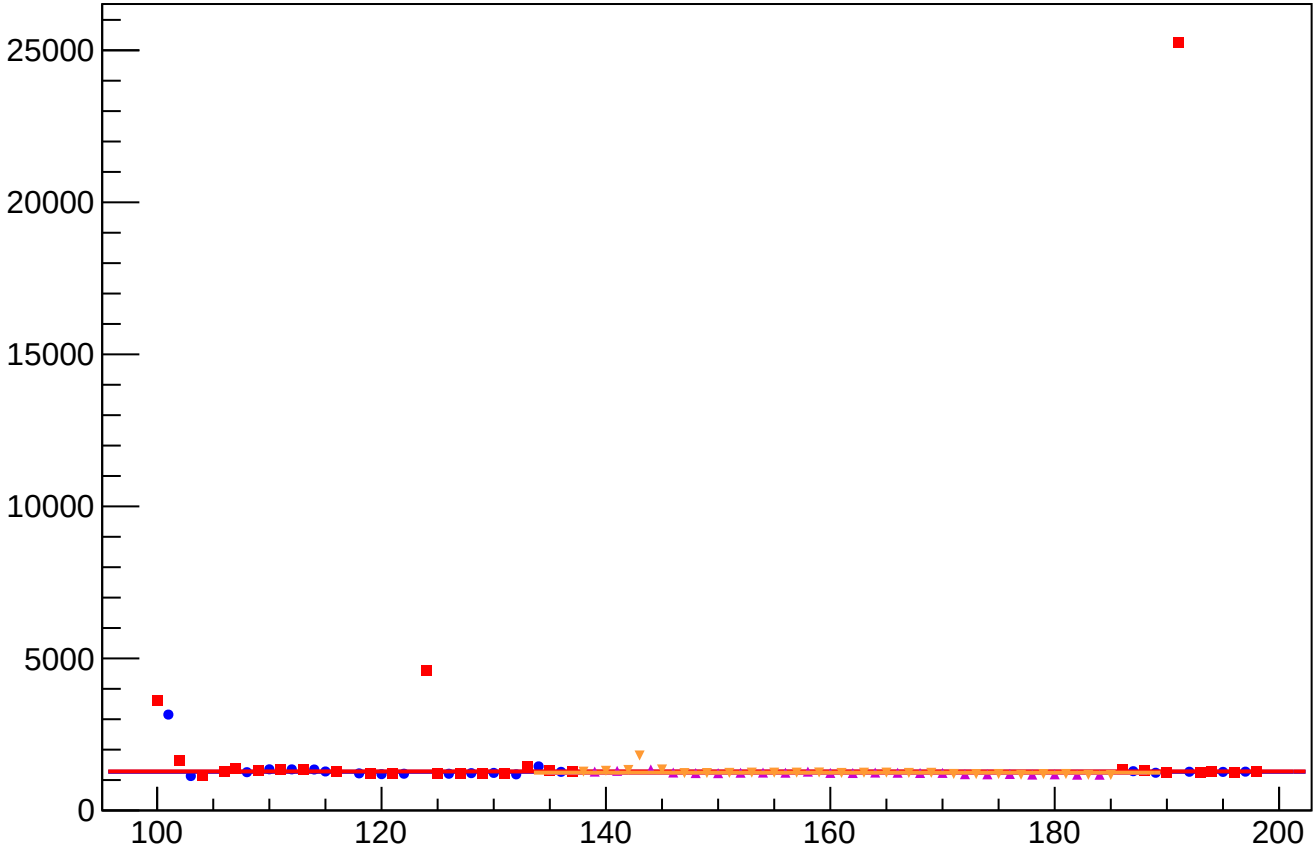
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -51.040+/-230.025 χ^2/NDF: 44.8/45

All: 120.409+/-161.509 χ^2/NDF: 86.5/95

- sign 287.118+/-226.824 χ^2/NDF: 40.6/49

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

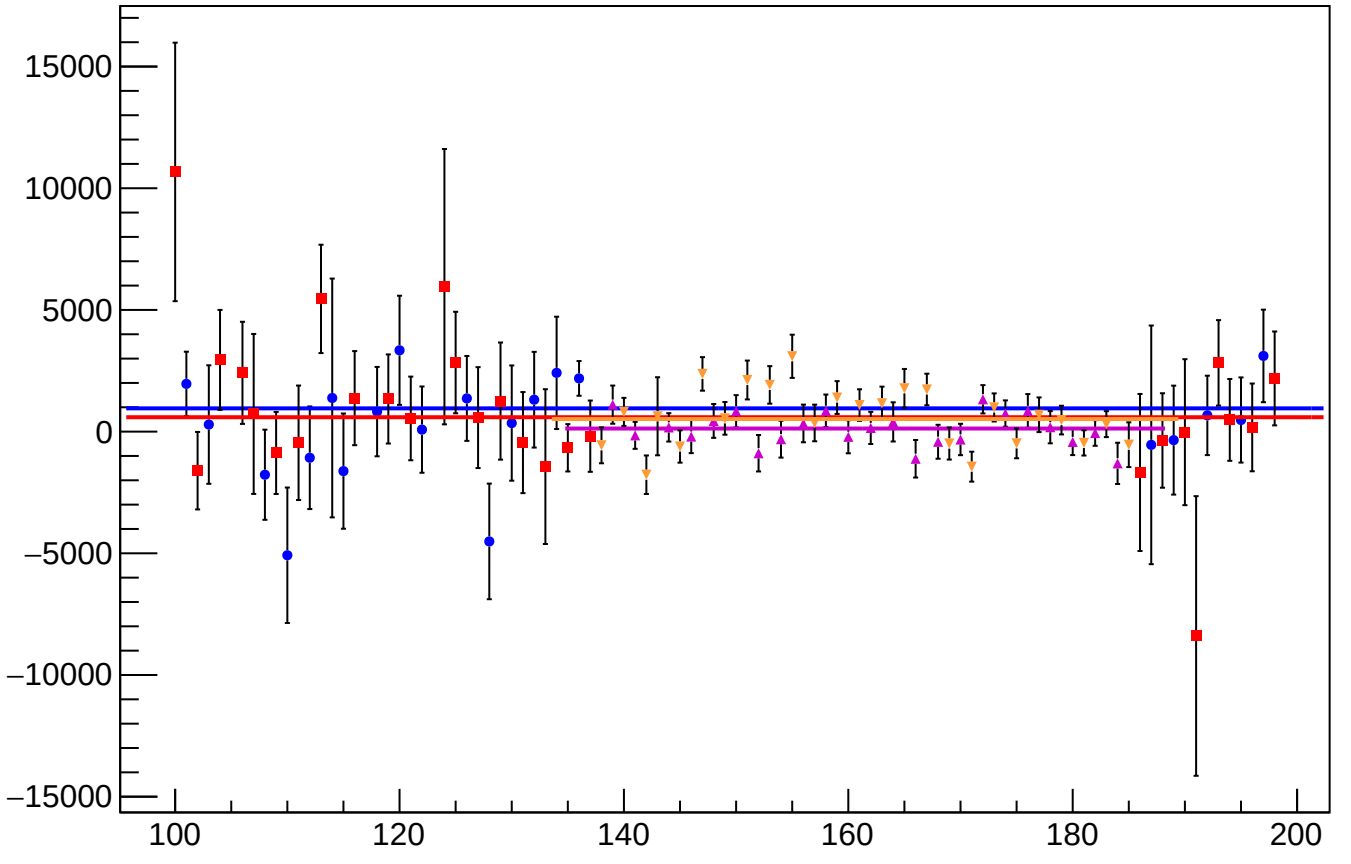
Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730272.5/45

All: 1252.668+/-0.114 χ^2/NDF: 1267909.9/95

- sign 1252.860+/-0.160 χ^2/NDF: 537634.5/49



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

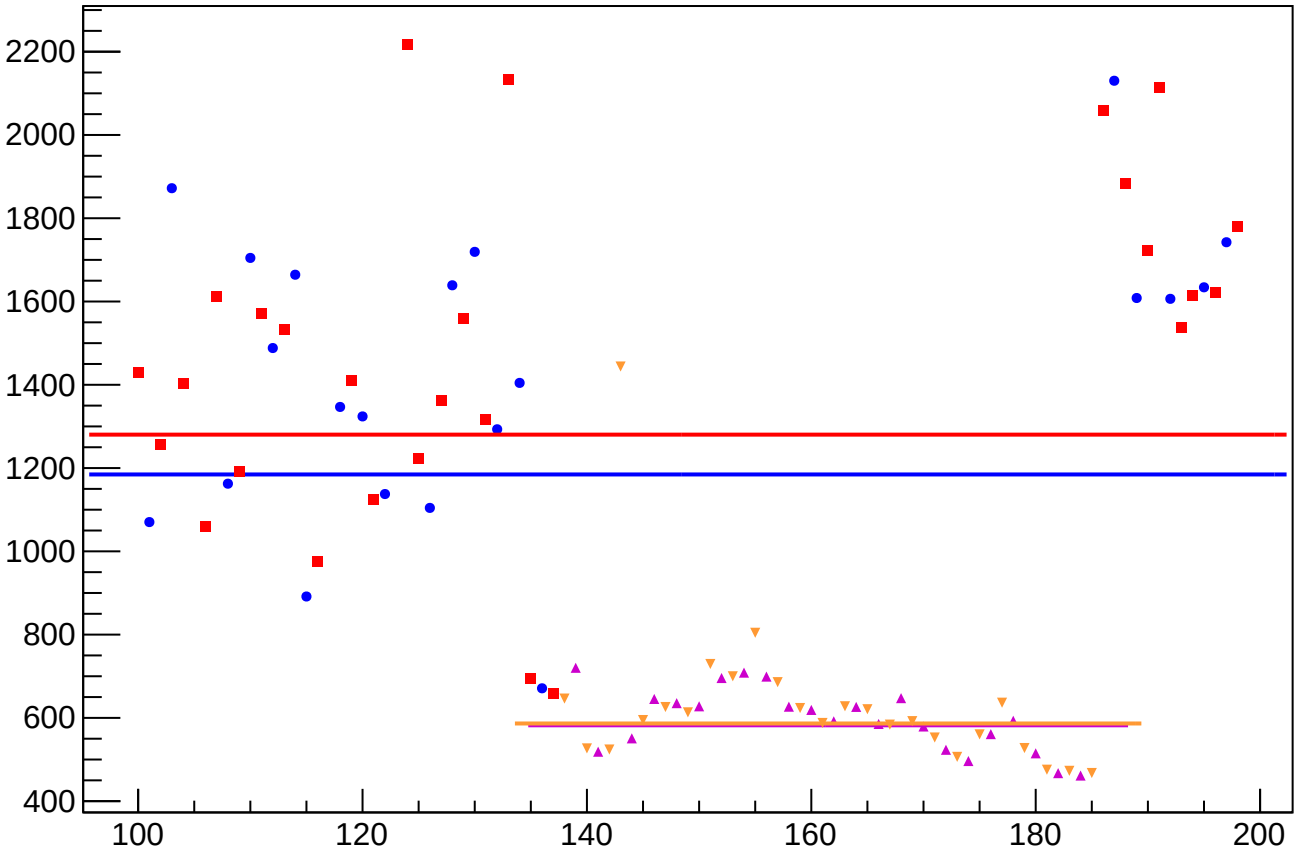
Right Out: 591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 565.289+/-128.030 χ^2/NDF: 89.9/45

All: 374.318+/-90.915 χ^2/NDF: 141.2/95

\- sign 180.073+/-129.123 χ^2/NDF: 46.9/49



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

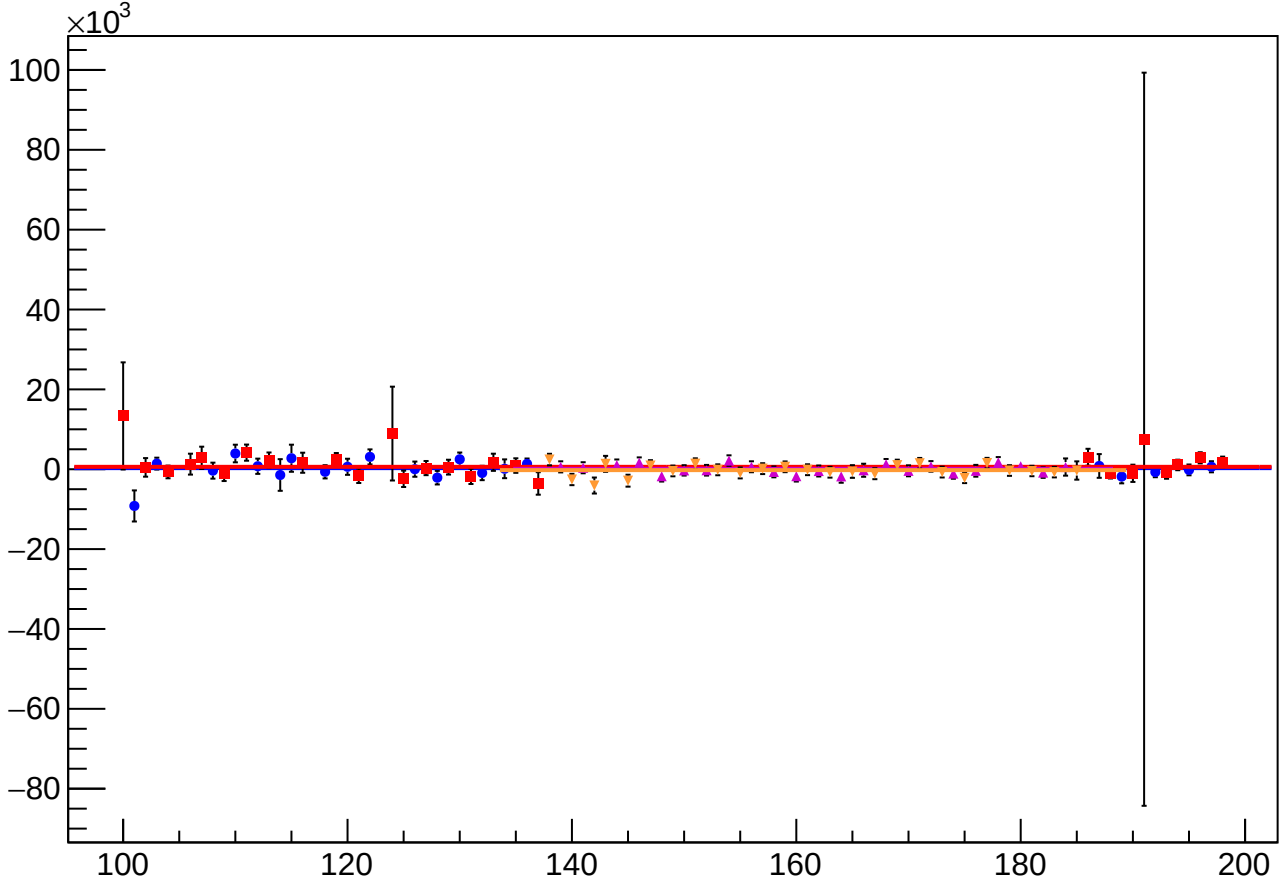
Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 652.632+/-0.091 χ^2/NDF: 7677539.1/45

All: 657.553+/-0.064 χ^2/NDF: 16430207.0/95

- sign 662.560+/-0.091 χ^2/NDF: 8746705.8/49



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 603.827+/-367.644 χ^2/NDF: 24.8/26

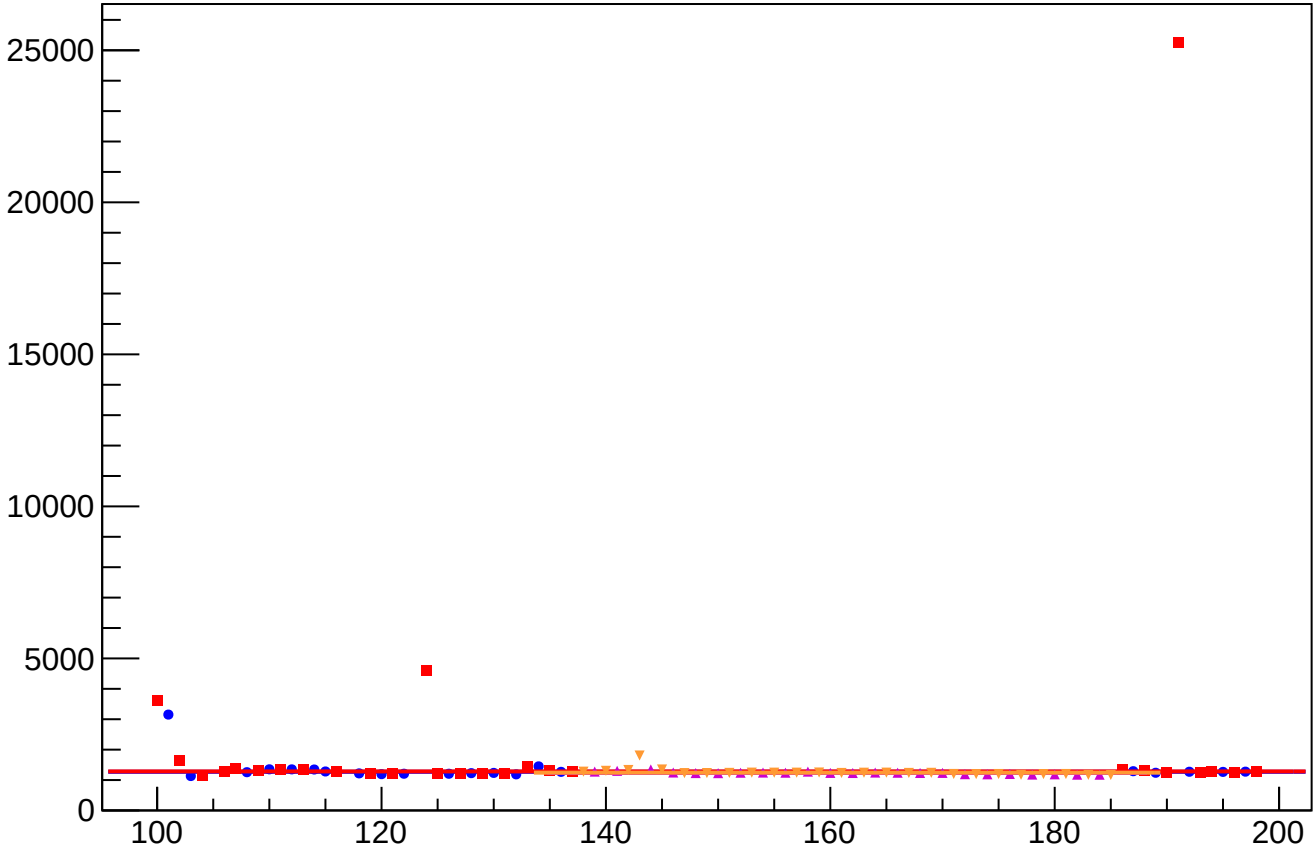
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -51.040+/-230.025 χ^2/NDF: 44.8/45

All: 120.409+/-161.509 χ^2/NDF: 86.5/95

- sign 287.118+/-226.824 χ^2/NDF: 40.6/49

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

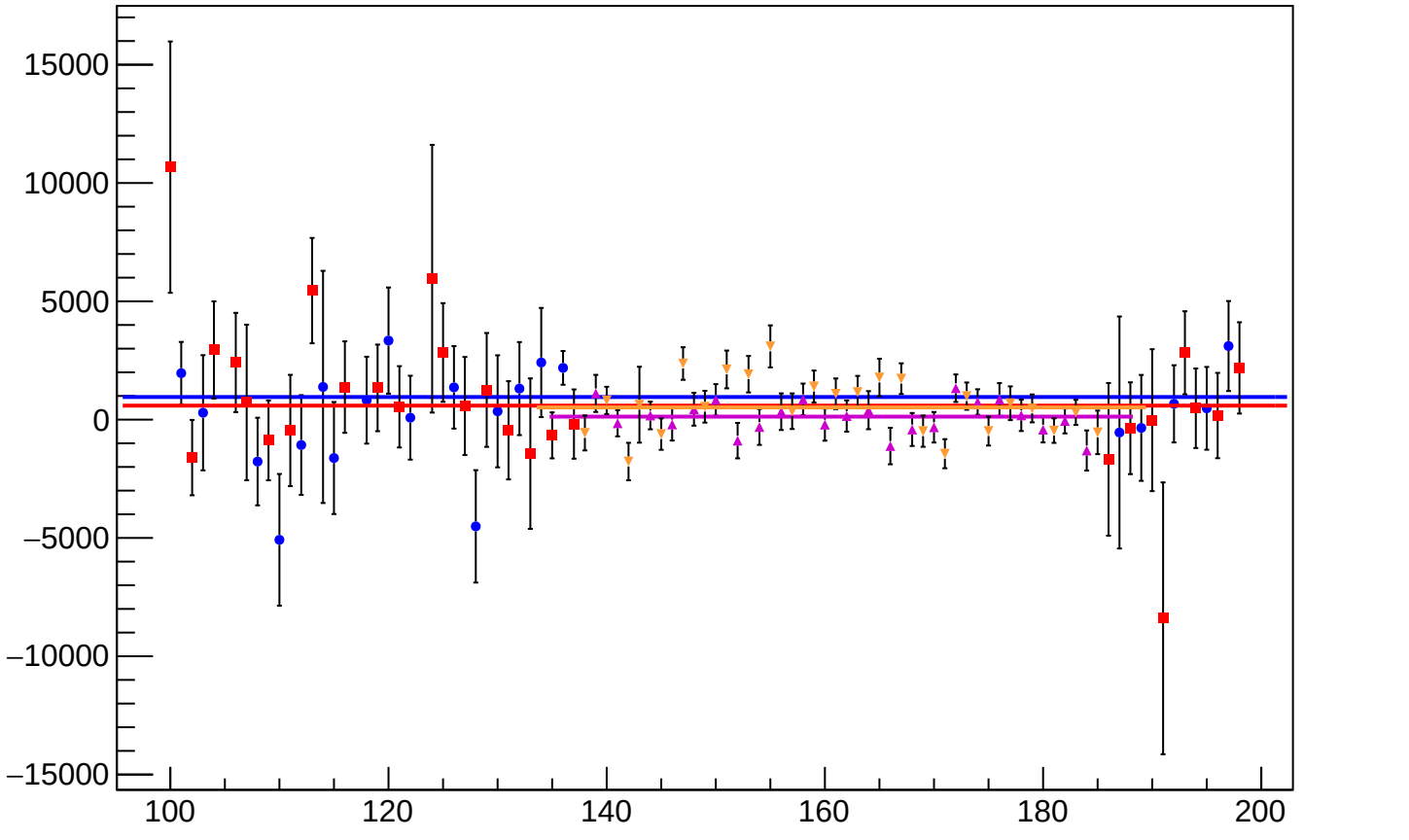
Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730272.5/45

All: 1252.668+/-0.114 χ^2/NDF: 1267909.9/95

- sign 1252.860+/-0.160 χ^2/NDF: 537634.5/49



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

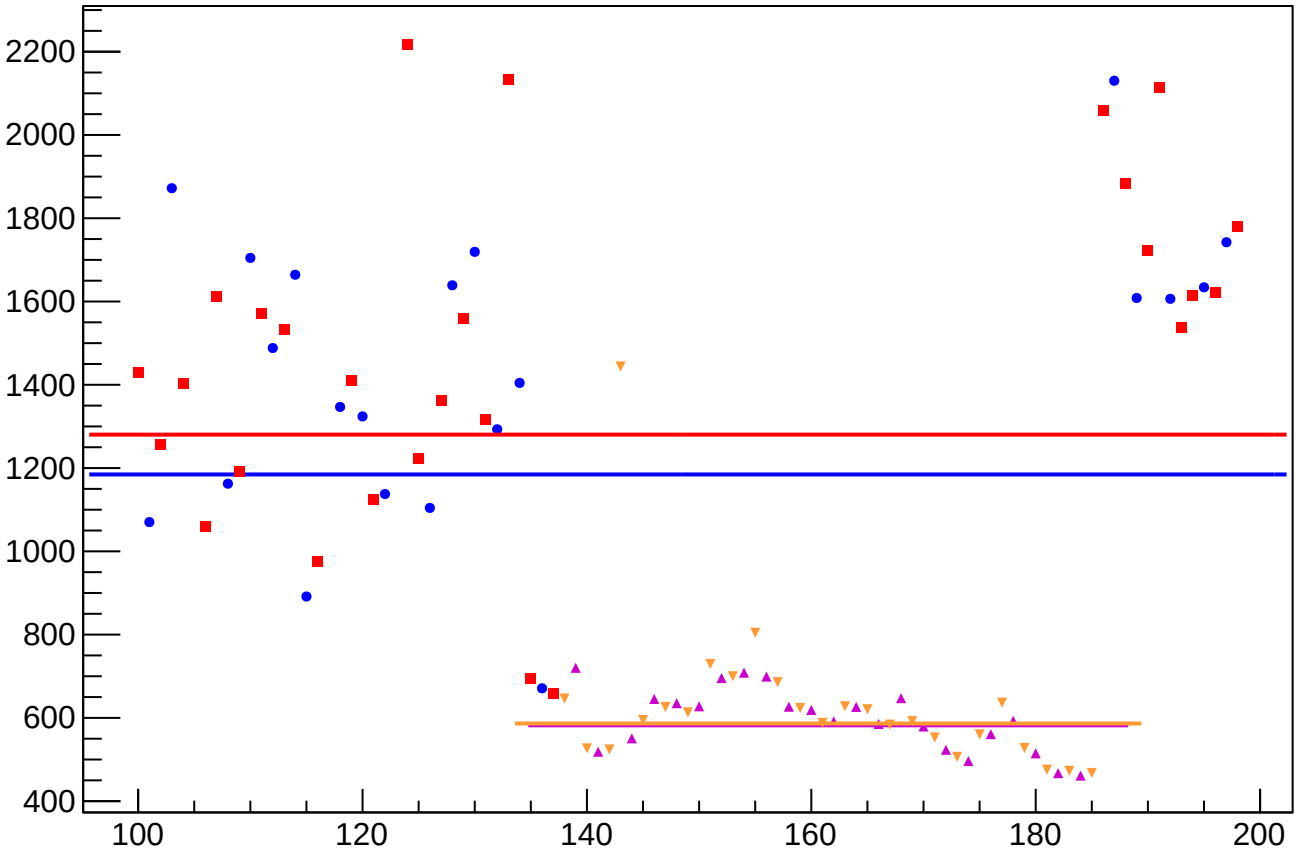
Right Out: 591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 565.289+/-128.030 χ^2/NDF: 89.9/45

All: 374.318+/-90.915 χ^2/NDF: 141.2/95

- sign 180.073+/-129.123 χ^2/NDF: 46.9/49



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

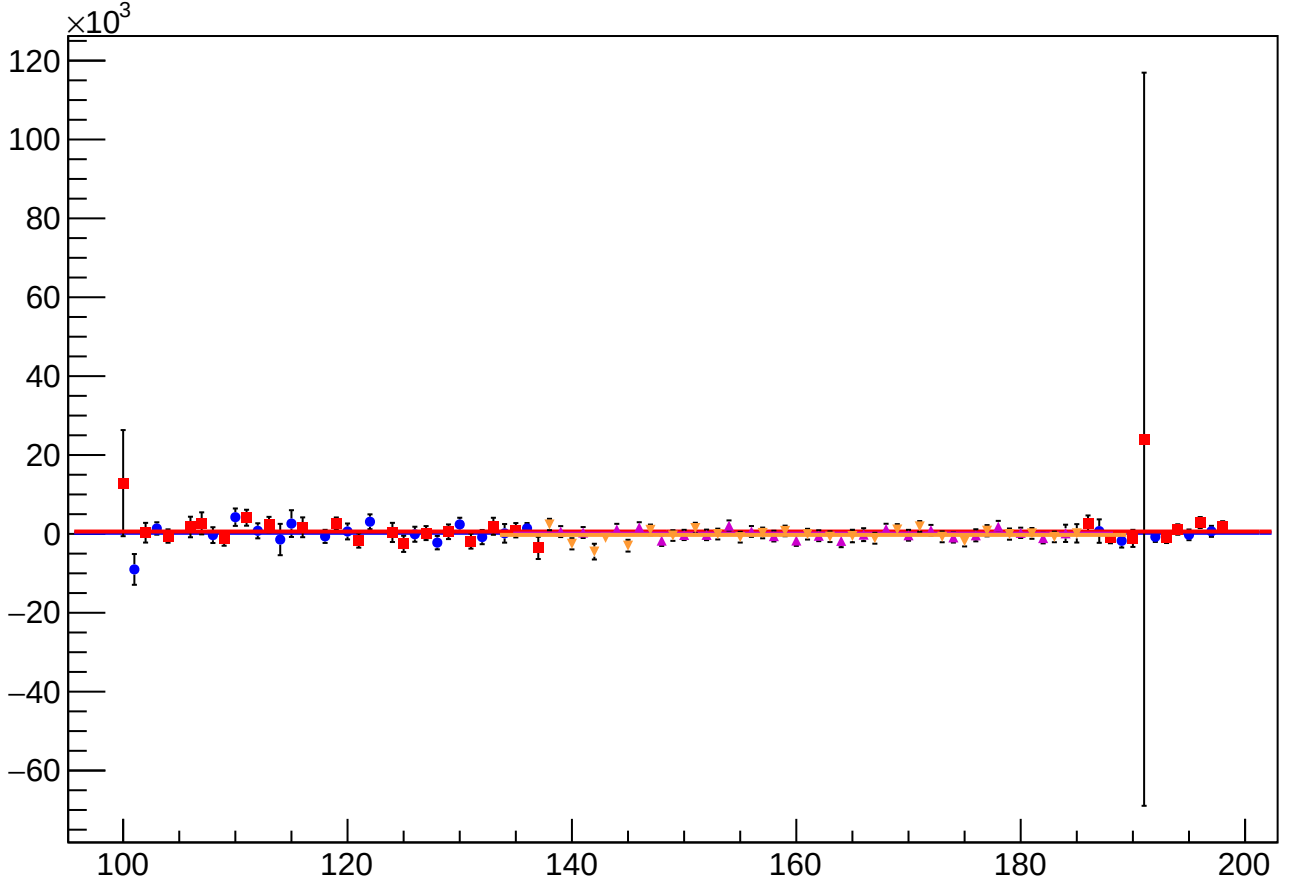
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 652.632+/-0.091 χ^2/NDF: 7677539.1/45

All: 657.553+/-0.064 χ^2/NDF: 16430207.0/95

- sign 662.560+/-0.091 χ^2/NDF: 8746705.8/49

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 272.531+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 598.470+/-366.000 χ^2/NDF: 24.4/26

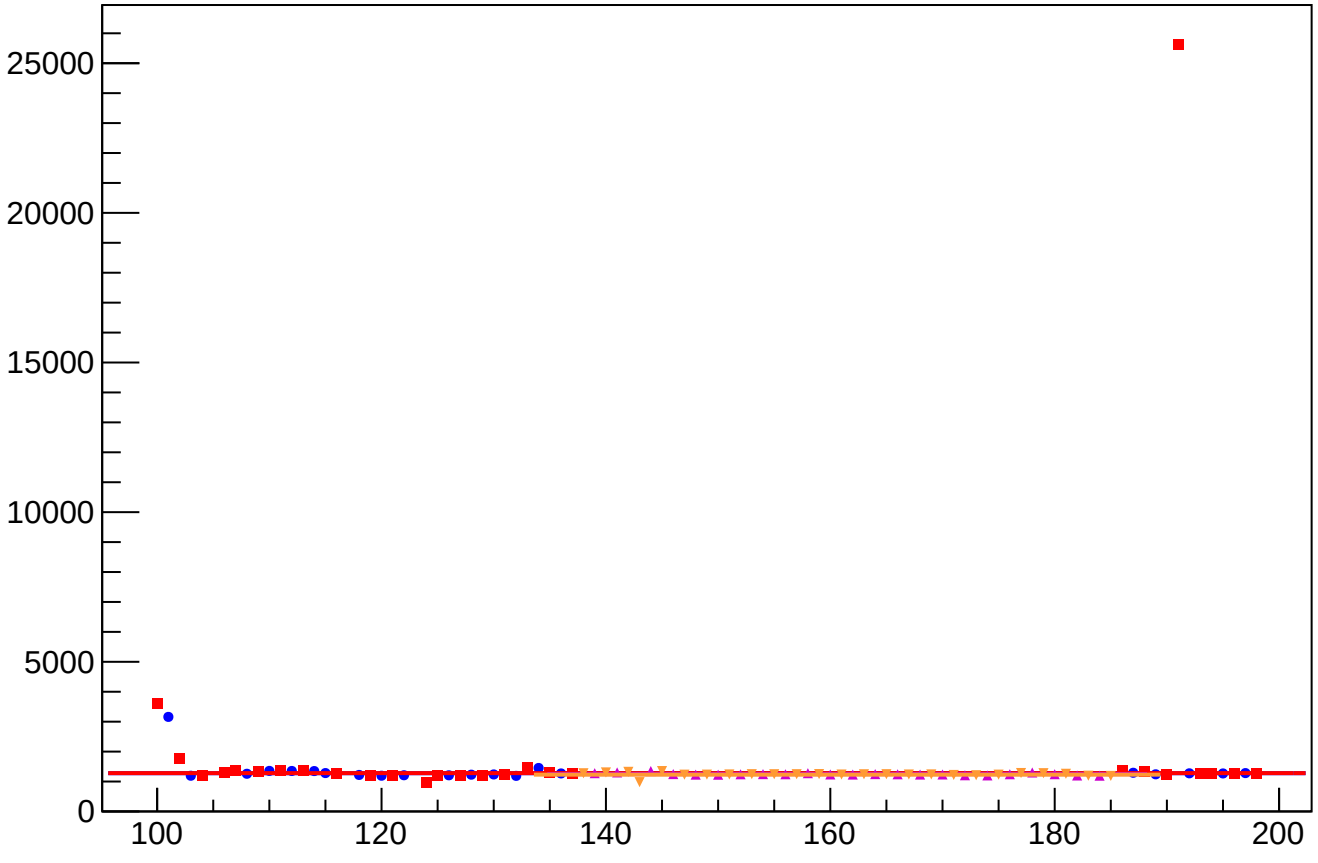
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -76.846+/-228.706 χ^2/NDF: 45.0/45

All: 101.160+/-161.468 χ^2/NDF: 85.8/95

- sign 278.065+/-227.998 χ^2/NDF: 39.6/49

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1277.765+/-0.280 χ^2/NDF: 508257.2/20

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

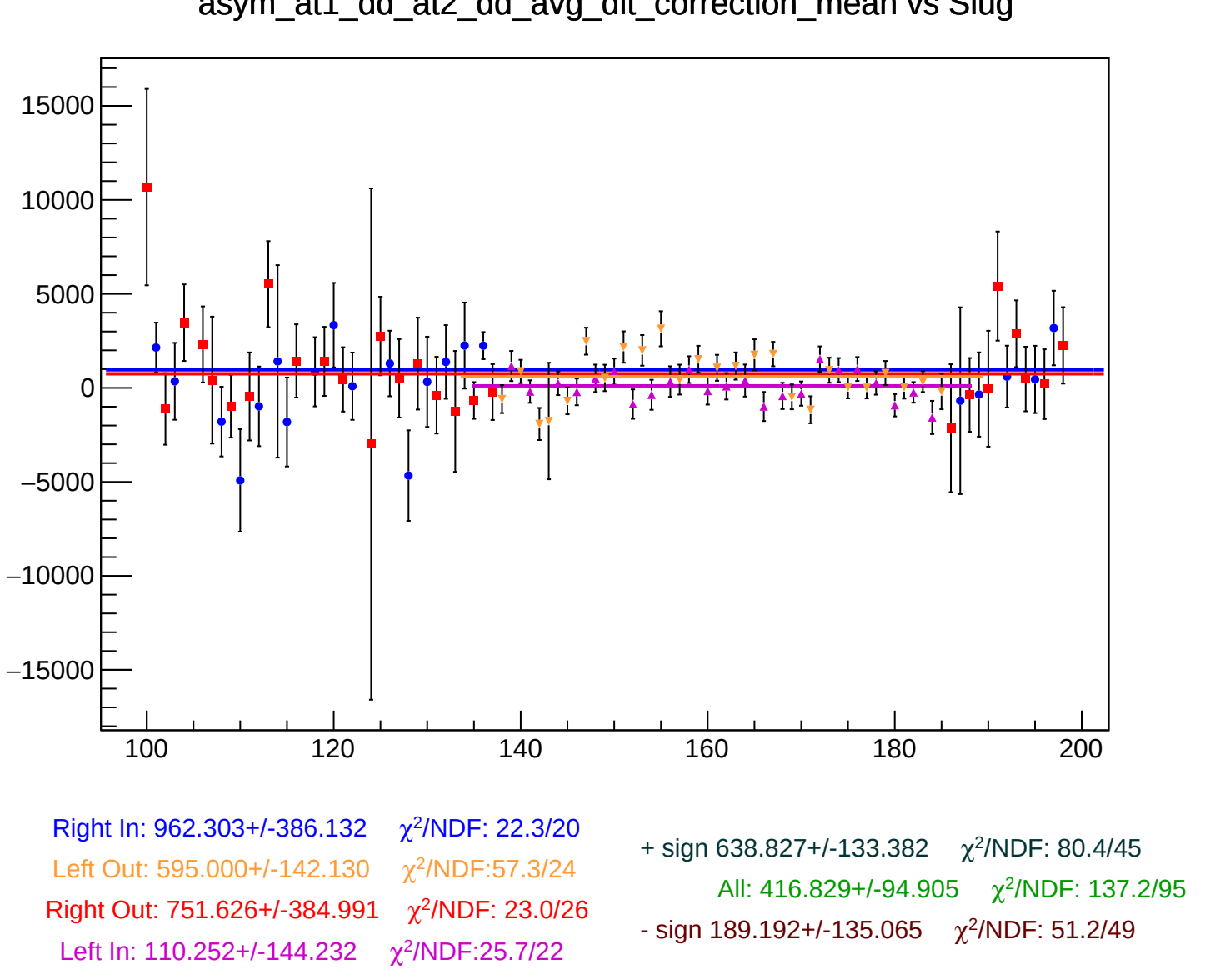
Right Out: 1280.724+/-0.259 χ^2/NDF: 368645.8/26

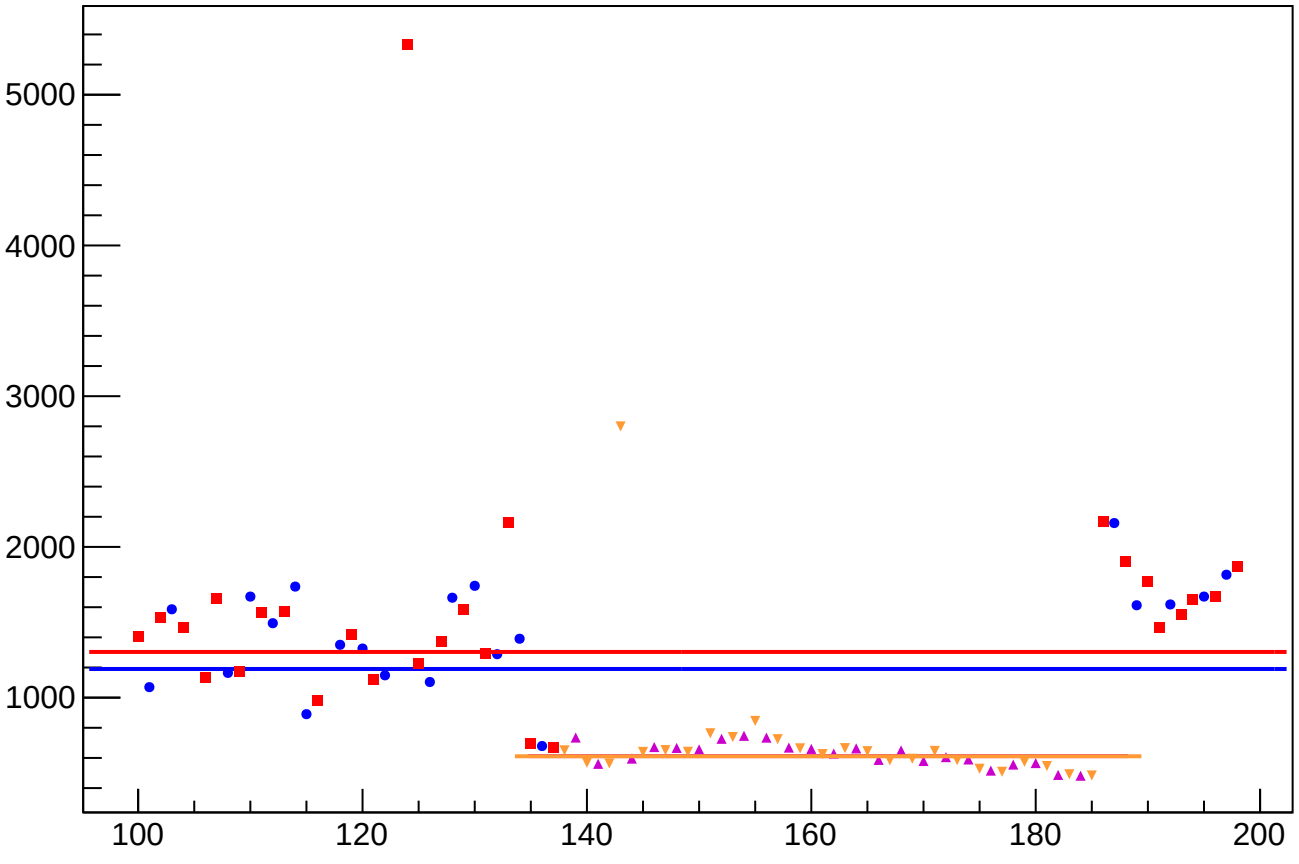
Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1245.871+/-0.162 χ^2/NDF: 669236.5/45

All: 1253.242+/-0.114 χ^2/NDF: 1079277.7/95

- sign 1260.567+/-0.161 χ^2/NDF: 405899.1/49


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 962.303+/-386.132 χ²/NDF: 22.3/20
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: 751.626+/-384.991 χ²/NDF: 23.0/26
Left In: 110.252+/-144.232 χ²/NDF:25.7/22
+ sign 638.827+/-133.382 χ²/NDF: 80.4/45
All: 416.829+/-94.905 χ²/NDF: 137.2/95
- sign 189.192+/-135.065 χ²/NDF: 51.2/49



Right In: 1190.182+/-0.273 χ^2/NDF: 2112321.0/20

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1303.250+/-0.272 χ^2/NDF: 2433704.8/26

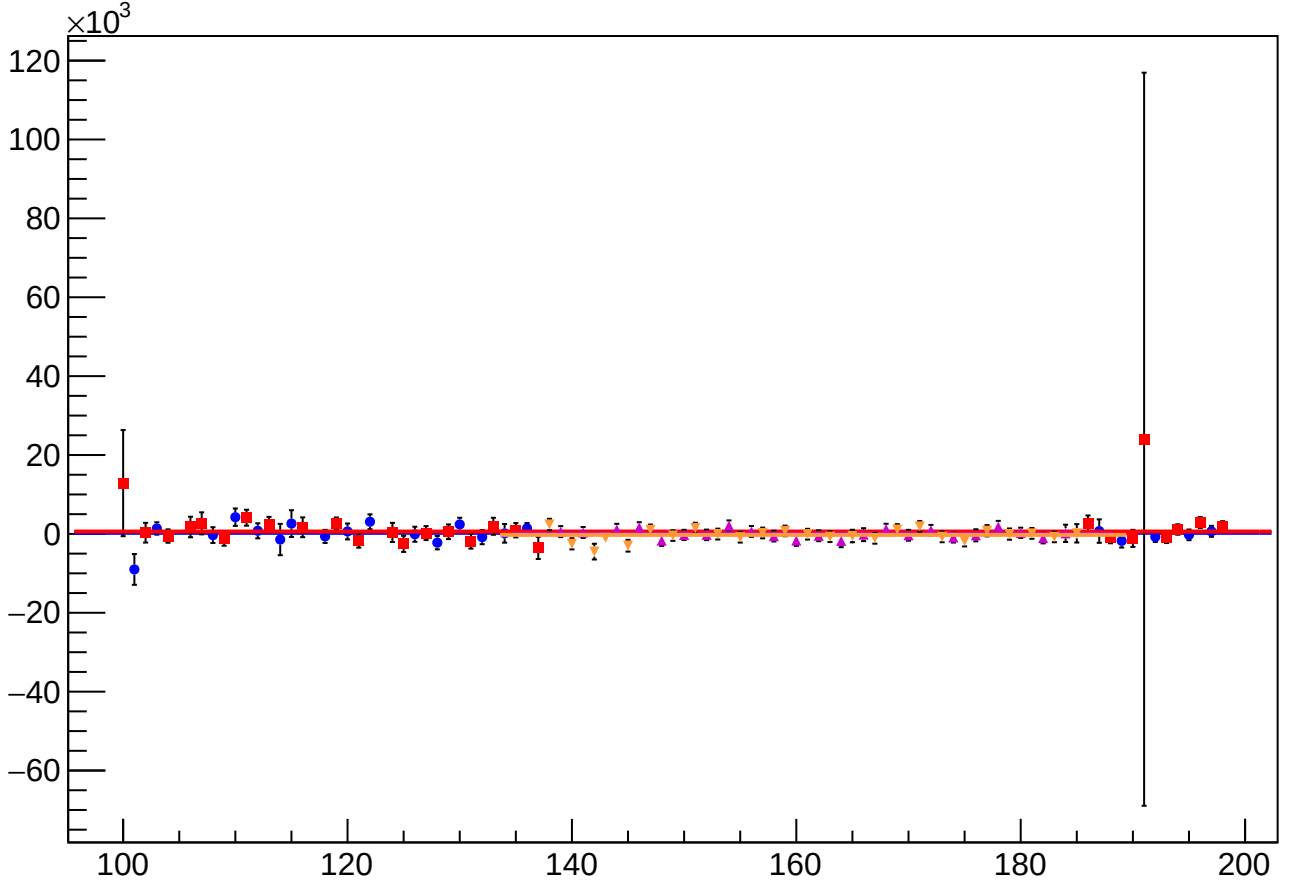
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 680.185+/-0.094 χ^2/NDF: 7693299.5/45

All: 688.699+/-0.067 χ^2/NDF: 16299626.3/95

- sign 697.428+/-0.096 χ^2/NDF: 8589824.5/49

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 272.532+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

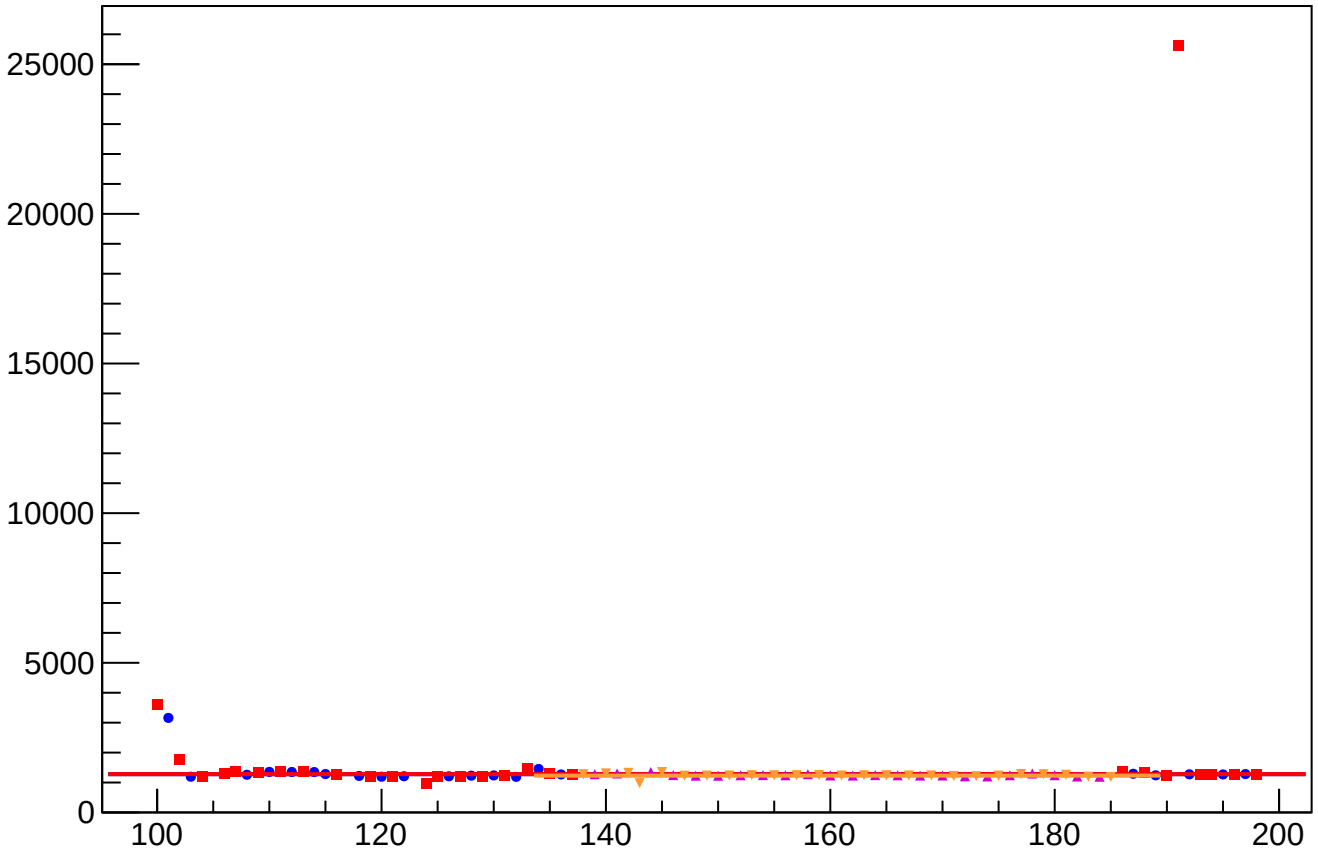
Right Out: 598.470+/-366.000 χ^2/NDF: 24.4/26

Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -76.847+/-228.706 χ^2/NDF: 45.0/45

All: 101.159+/-161.468 χ^2/NDF: 85.8/95

- sign 278.065+/-227.998 χ^2/NDF: 39.6/49



Right In: 1277.765+/-0.280 χ^2/NDF: 508257.4/20

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

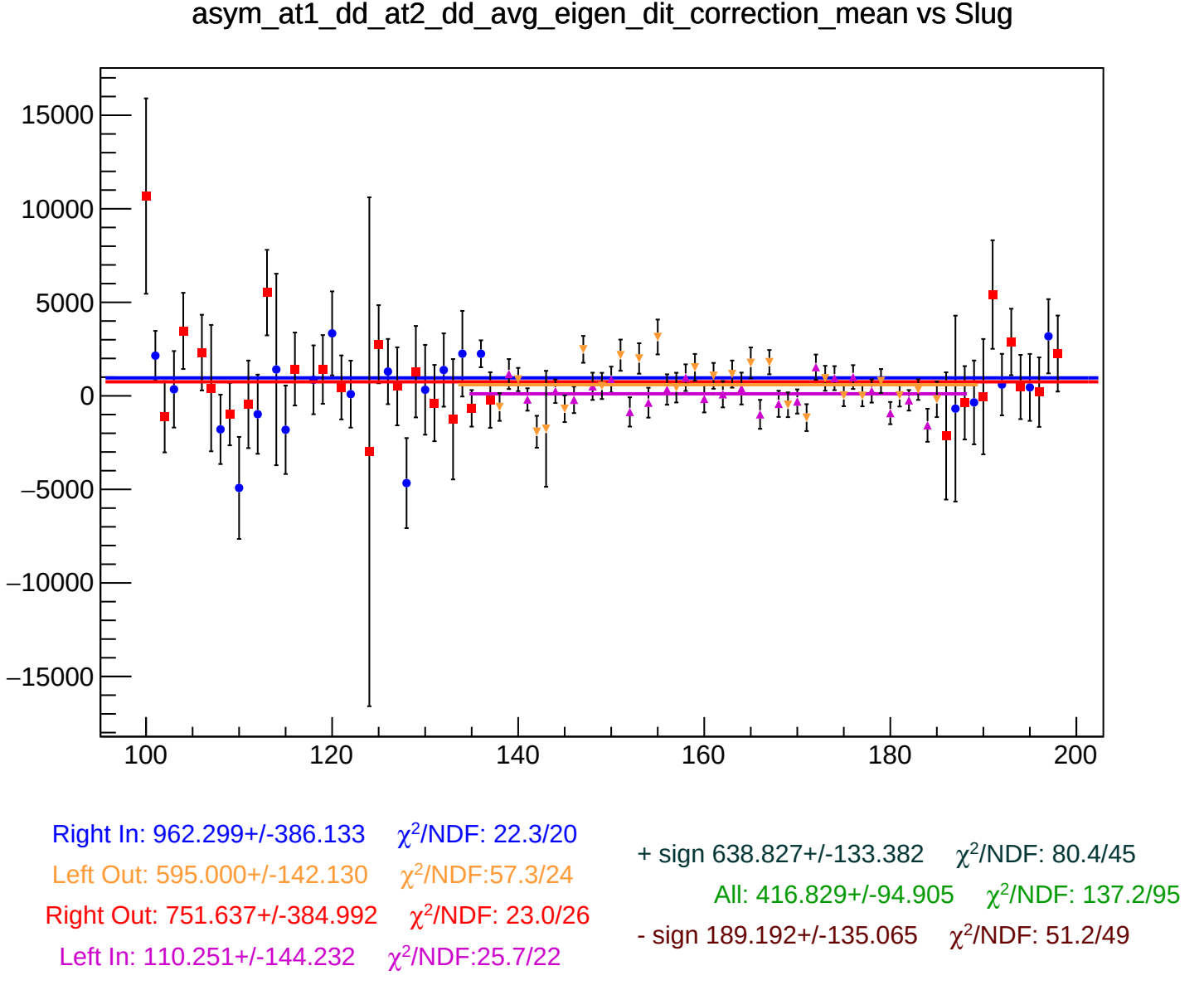
Right Out: 1280.723+/-0.259 χ^2/NDF: 368645.7/26

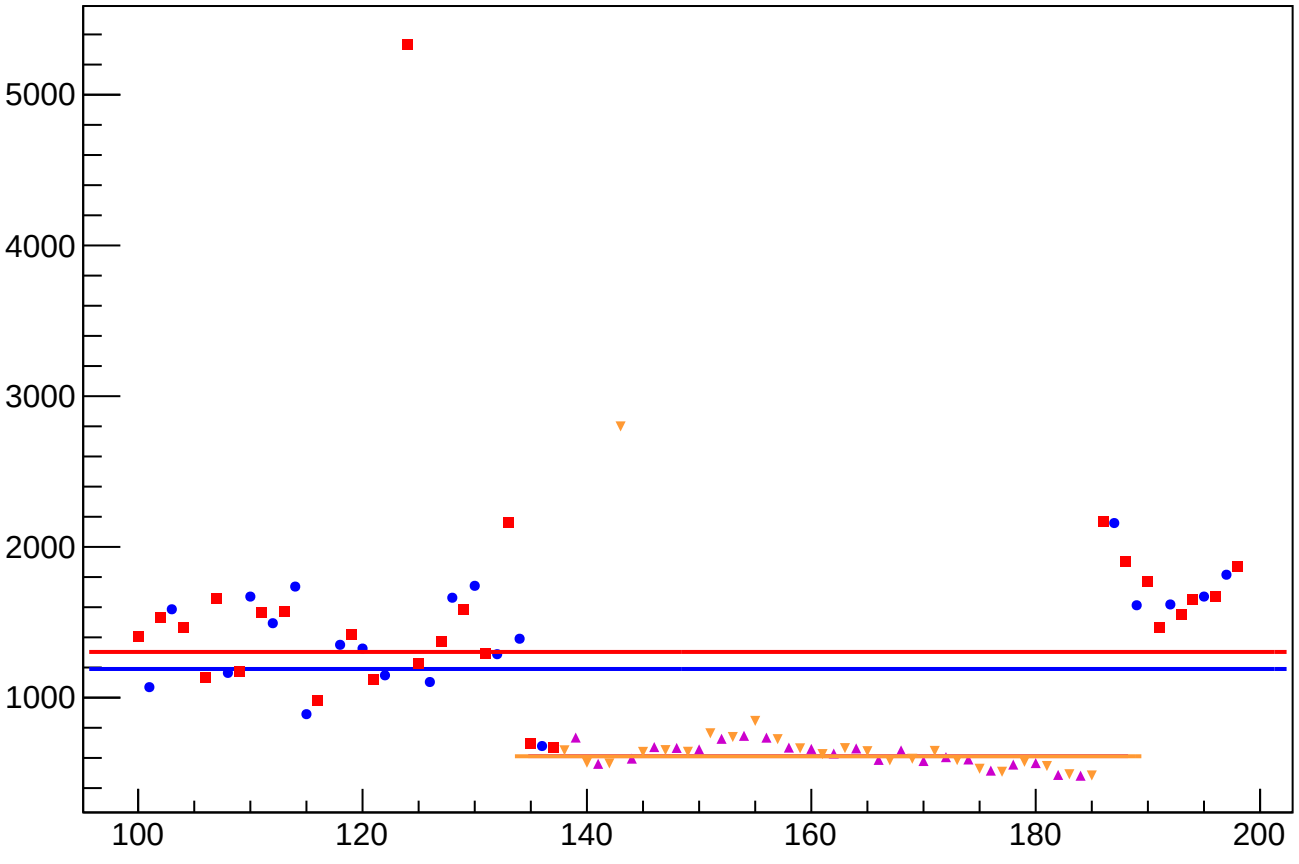
Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1245.871+/-0.162 χ^2/NDF: 669235.6/45

All: 1253.242+/-0.114 χ^2/NDF: 1079276.7/95

- sign 1260.567+/-0.161 χ^2/NDF: 405899.0/49


asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 962.299+/-386.133 χ²/NDF: 22.3/20
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: 751.637+/-384.992 χ²/NDF: 23.0/26
Left In: 110.251+/-144.232 χ²/NDF:25.7/22
+ sign 638.827+/-133.382 χ²/NDF: 80.4/45
All: 416.829+/-94.905 χ²/NDF: 137.2/95
- sign 189.192+/-135.065 χ²/NDF: 51.2/49



Right In: 1190.188+/-0.273 χ^2/NDF: 2112242.6/20

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1303.256+/-0.272 χ^2/NDF: 2433626.0/26

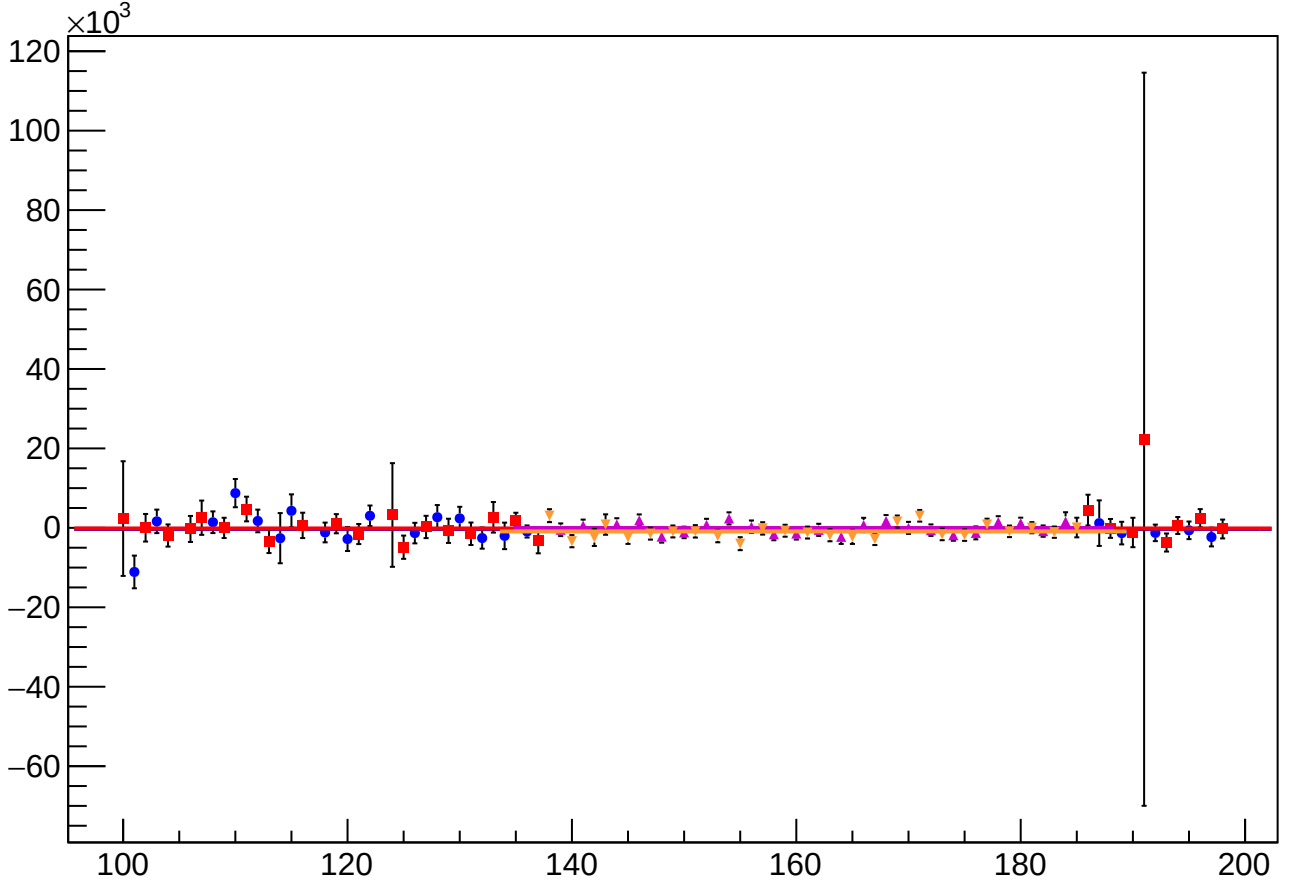
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 680.186+/-0.094 χ^2/NDF: 7693281.0/45

All: 688.699+/-0.067 χ^2/NDF: 16299612.6/95

- sign 697.428+/-0.096 χ^2/NDF: 8589830.3/49

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -267.405+/-596.131 χ^2/NDF: 22.8/20

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -164.802+/-564.435 χ^2/NDF: 15.7/26

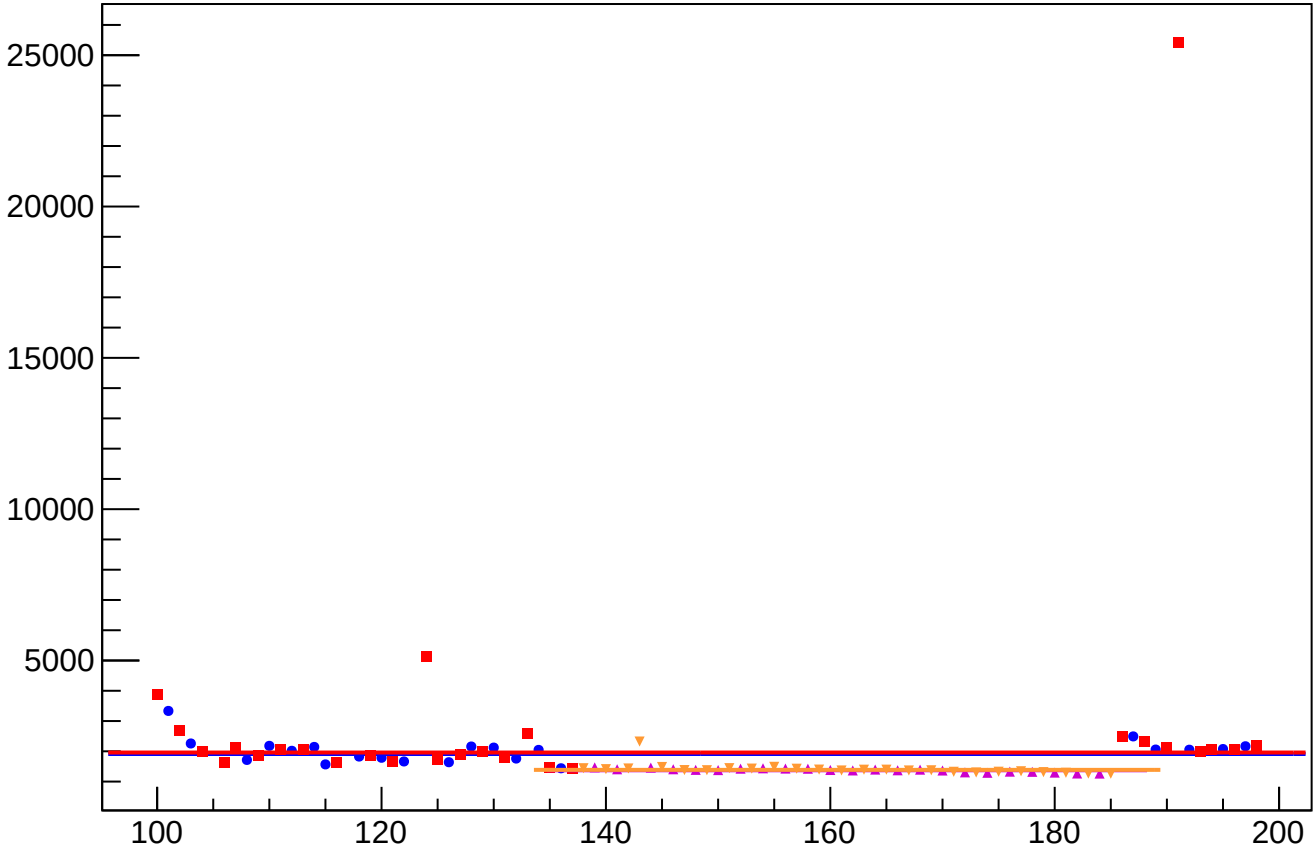
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -760.848+/-279.509 χ^2/NDF: 53.5/45

All: -418.118+/-197.457 χ^2/NDF: 90.1/95

- sign -76.670+/-278.985 χ^2/NDF: 33.6/49

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1911.160+/-0.422 χ^2/NDF: 647330.7/20

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

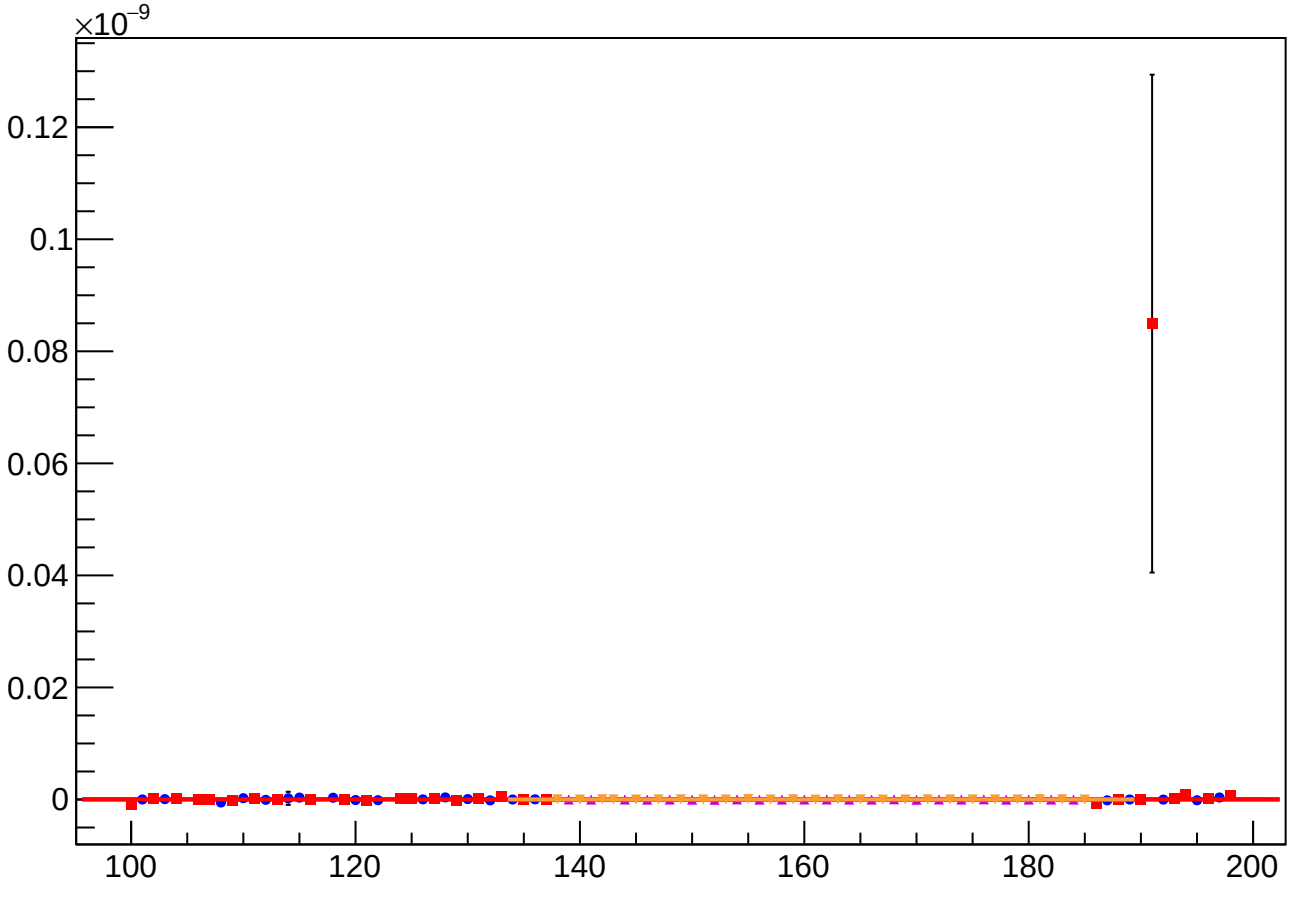
Right Out: 1959.803+/-0.399 χ^2/NDF: 809243.5/26

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1502.111+/-0.198 χ^2/NDF: 2194153.7/45

All: 1509.331+/-0.140 χ^2/NDF: 4702891.7/95

- sign 1516.525+/-0.197 χ^2/NDF: 2506073.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

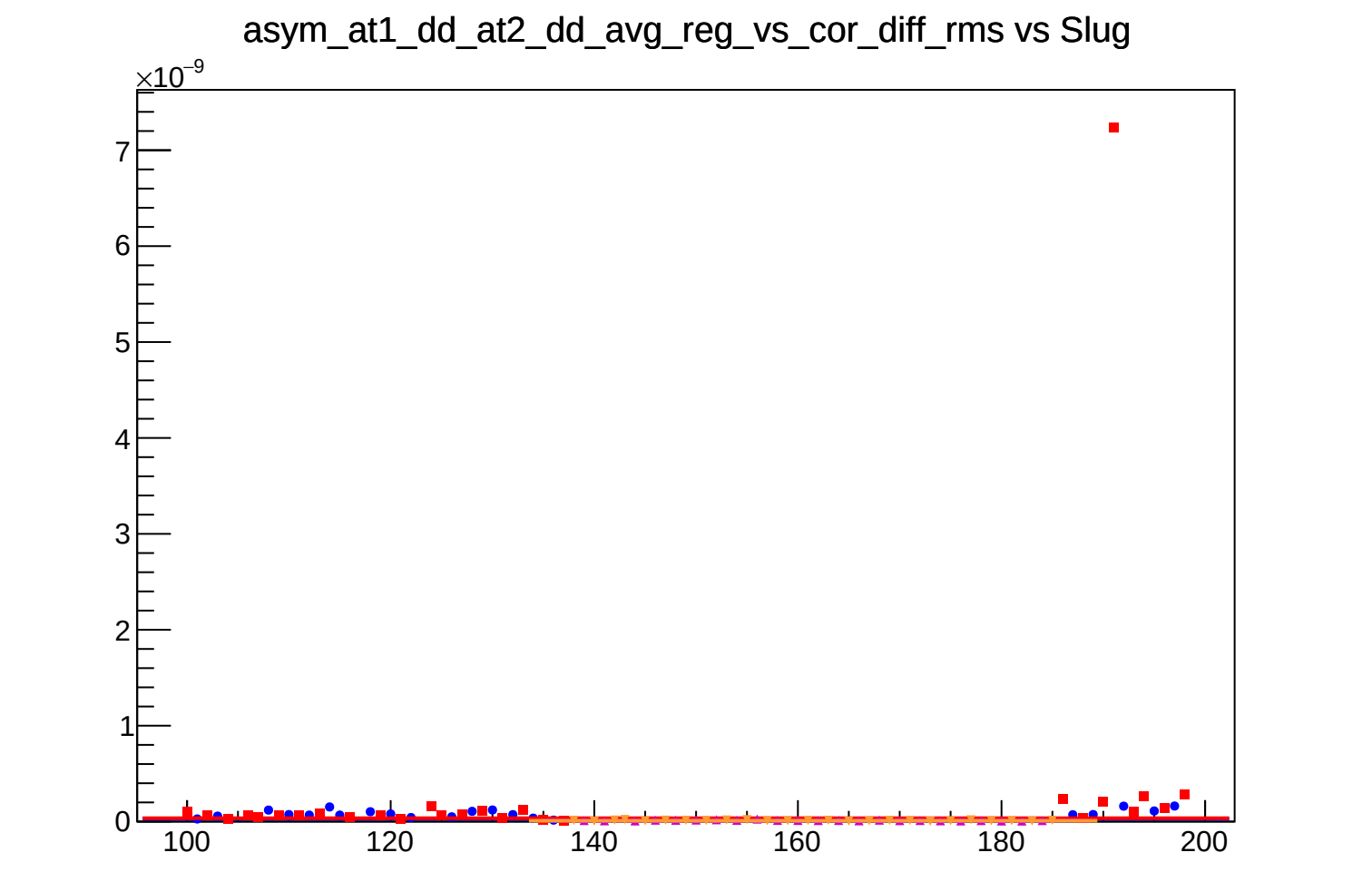
Right Out: 0.000+/-0.000 χ^2/NDF: 42.5/26

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/45

All: 0.000+/-0.000 χ^2/NDF: 102.5/95

- sign -0.000+/-0.000 χ^2/NDF: 57.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 4101673.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

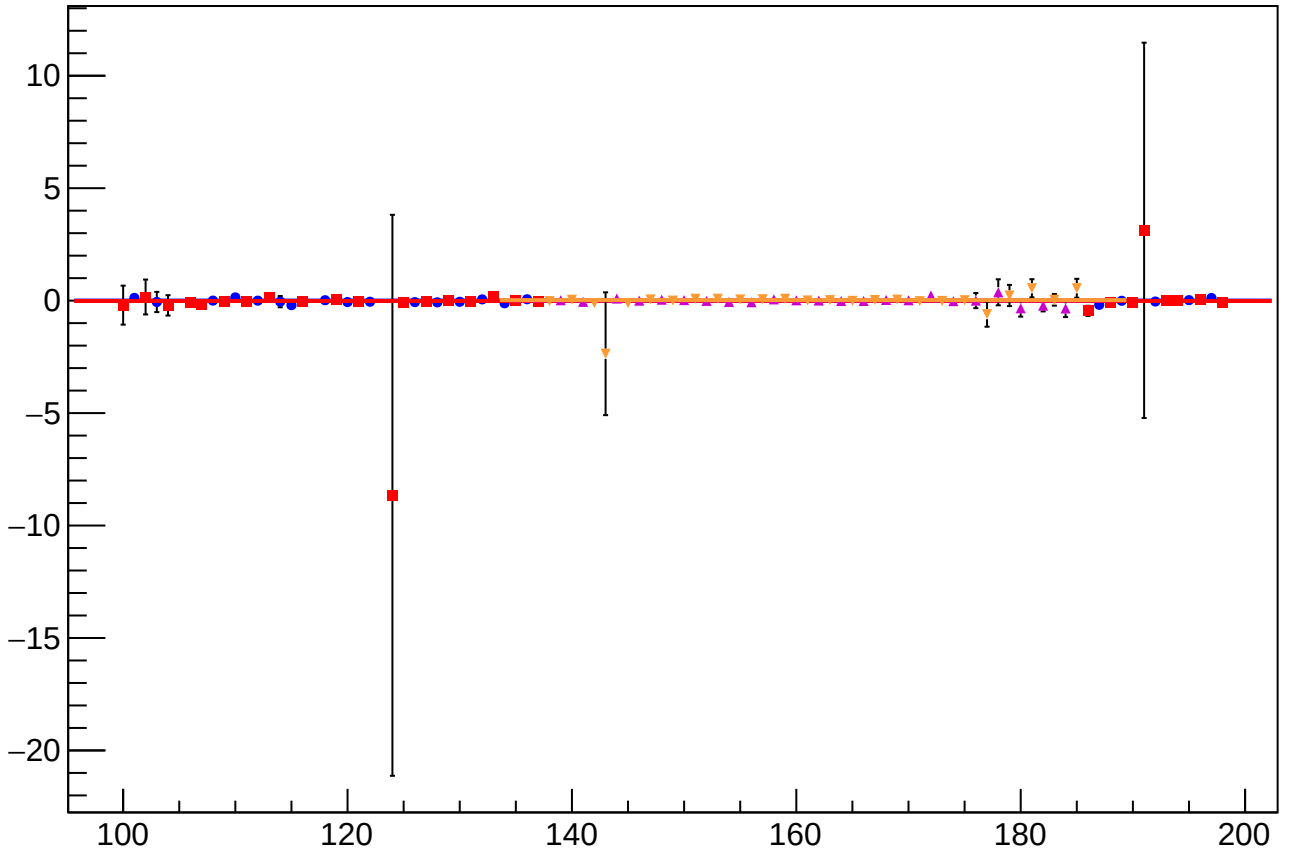
Right Out: 0.000+/-0.000 χ^2/NDF: 4936678.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8706210.3/45

All: 0.000+/-0.000 χ^2/NDF: 17856987.0/95

- sign 0.000+/-0.000 χ^2/NDF: 8876418.2/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

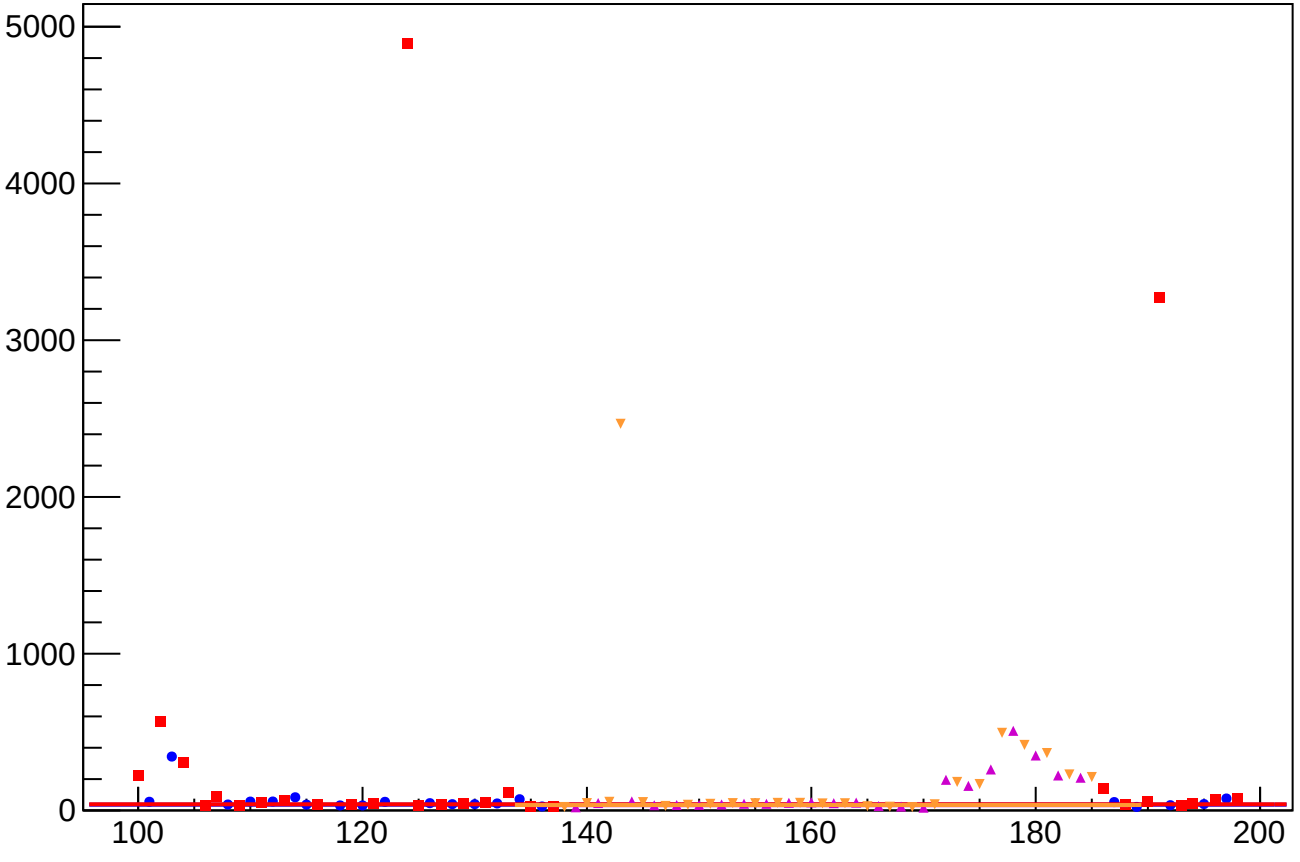
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.0/45

All: 0.008+/-0.006 χ^2/NDF: 89.6/95

- sign 0.000+/-0.008 χ^2/NDF: 38.7/49

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

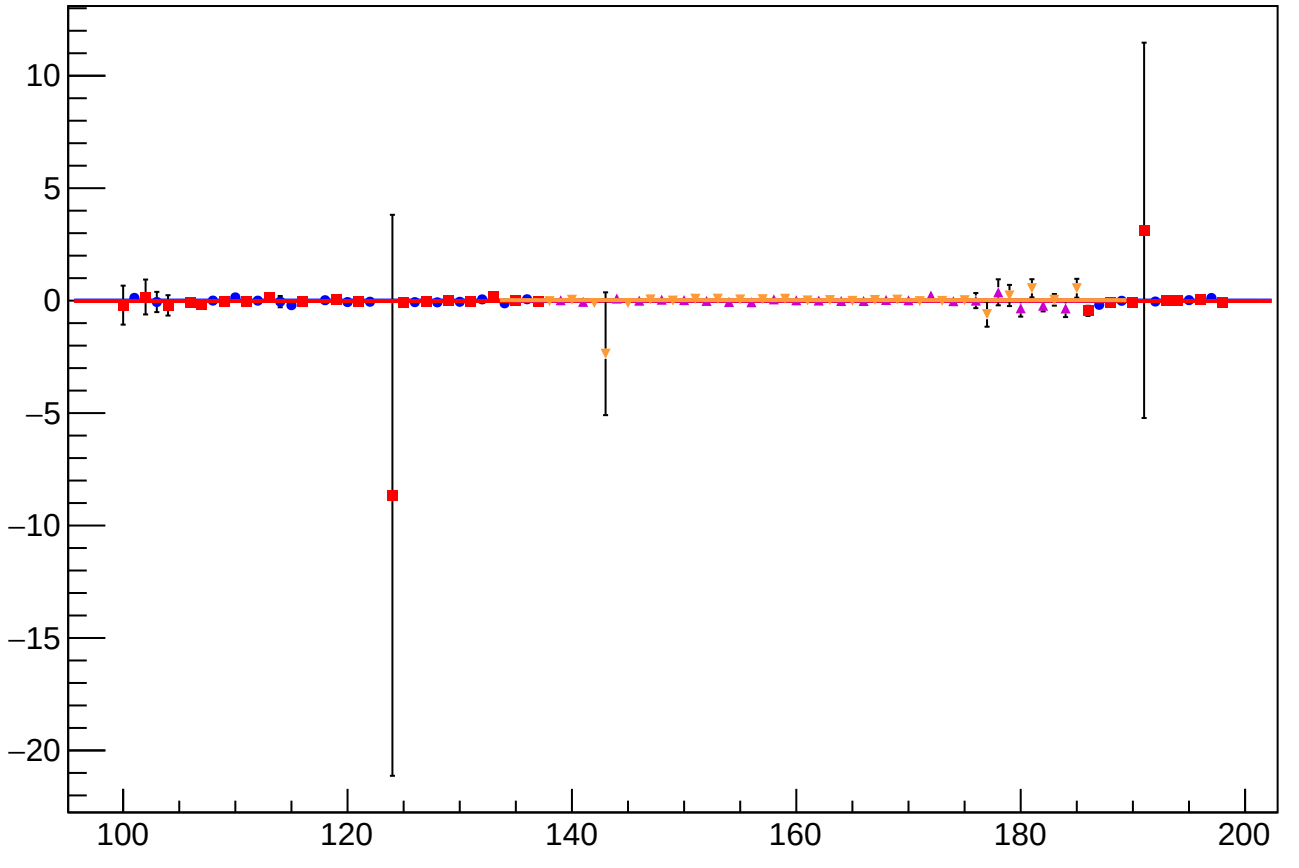
Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.408+/-0.006 χ^2/NDF: 14104653.9/45

All: 35.543+/-0.004 χ^2/NDF: 29113212.6/95

- sign 35.674+/-0.006 χ^2/NDF: 15007457.4/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

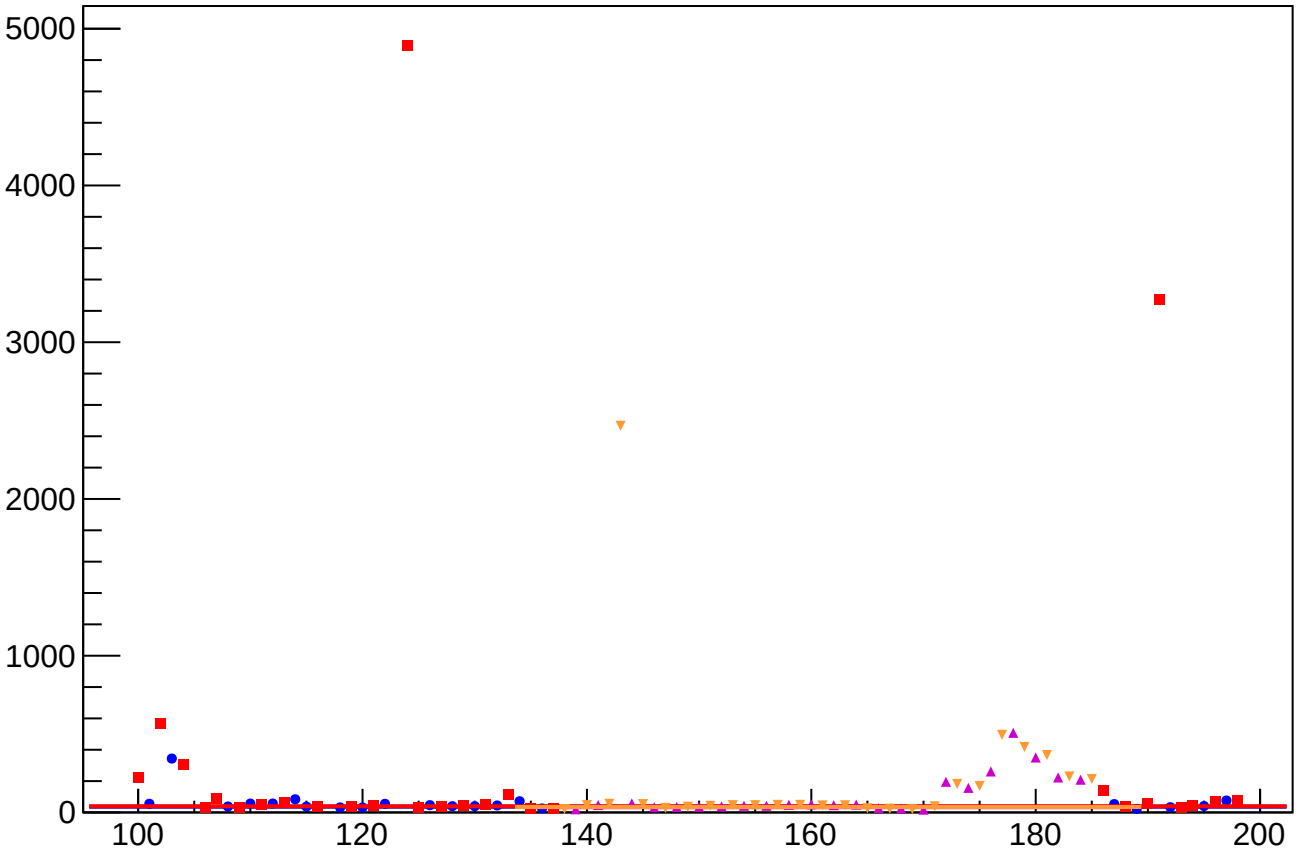
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.0/45

All: 0.008+/-0.006 χ^2/NDF: 89.6/95

- sign 0.000+/-0.008 χ^2/NDF: 38.7/49



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

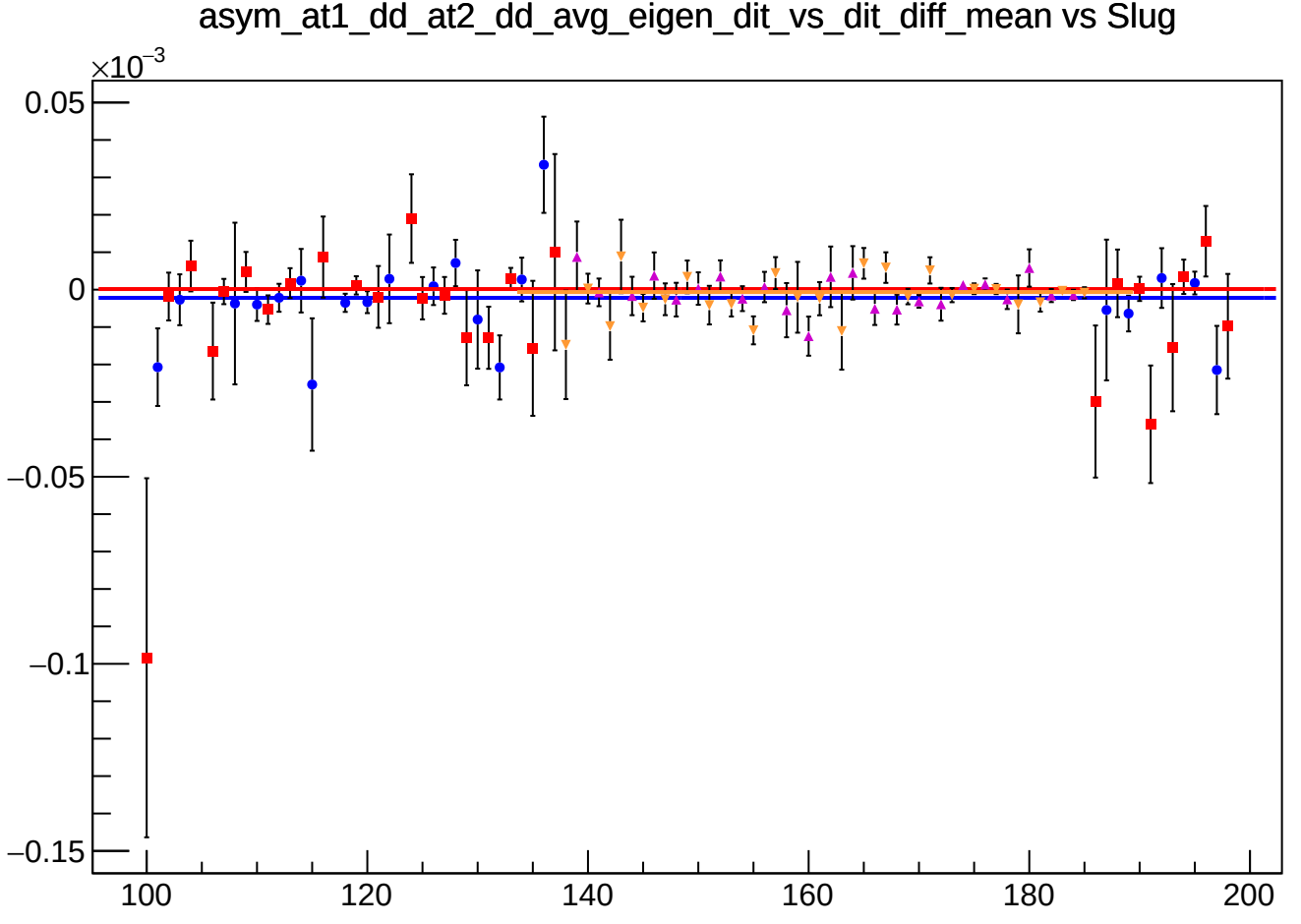
Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.408+/-0.006 χ^2/NDF: 14104653.9/45

All: 35.543+/-0.004 χ^2/NDF: 29113212.6/95

\- sign 35.674+/-0.006 χ^2/NDF: 15007457.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

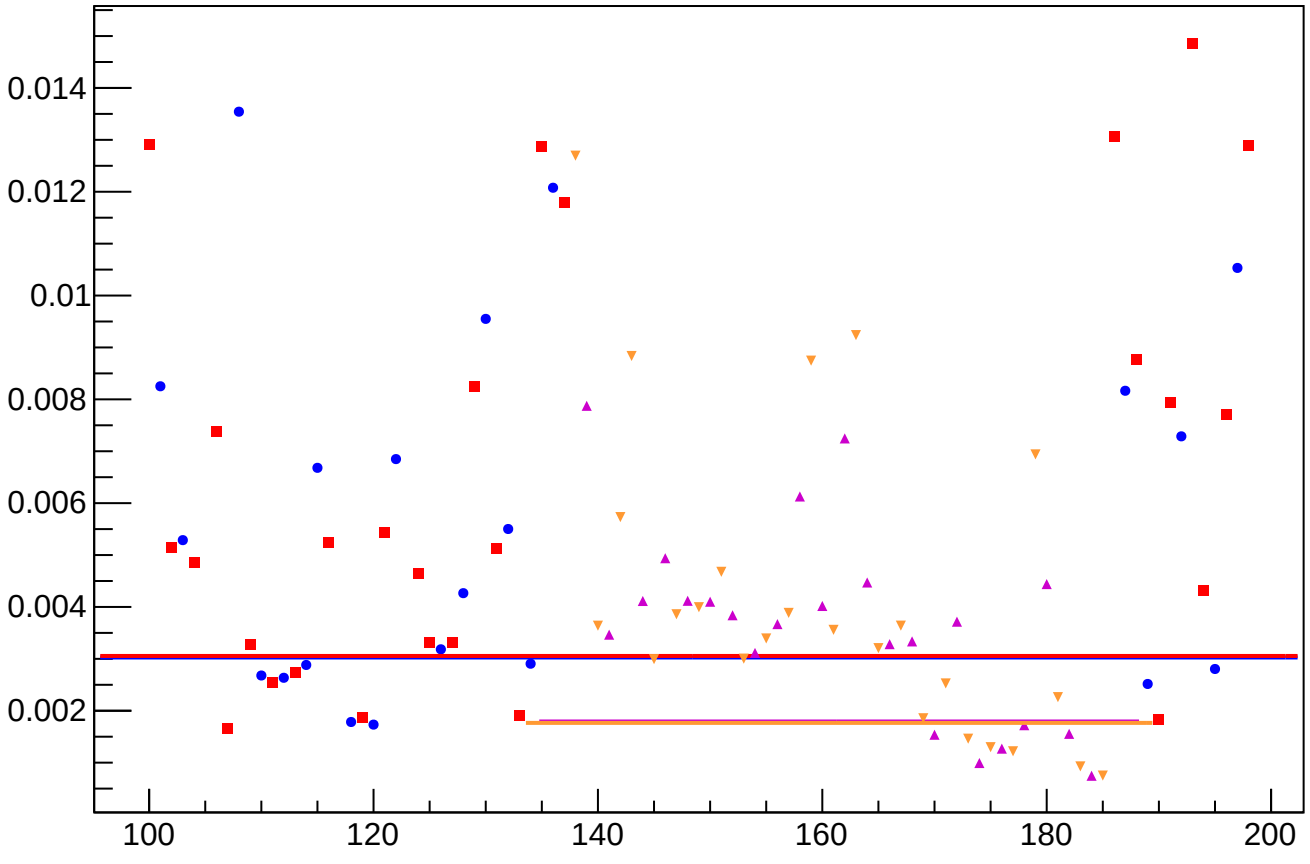
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/45

All: -0.000+/-0.000 χ^2/NDF: 110.3/95

- sign -0.000+/-0.000 χ^2/NDF: 52.5/49



Right In: 0.003+/-0.000 χ^2/NDF: 5742320.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

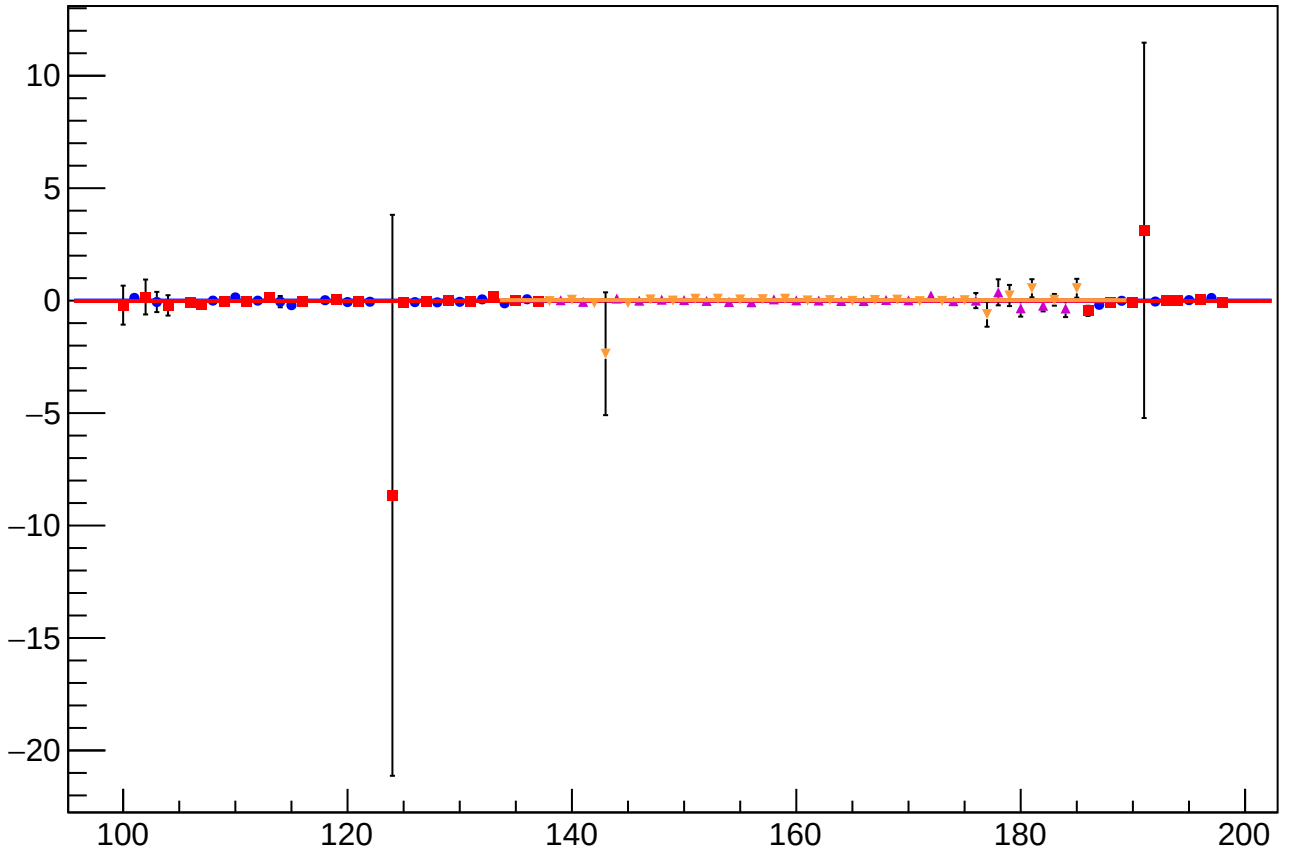
Right Out: 0.003+/-0.000 χ^2/NDF: 7780464.4/26

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 20690319.3/45

All: 0.002+/-0.000 χ^2/NDF: 41546735.6/95

- sign 0.002+/-0.000 χ^2/NDF: 20825104.4/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

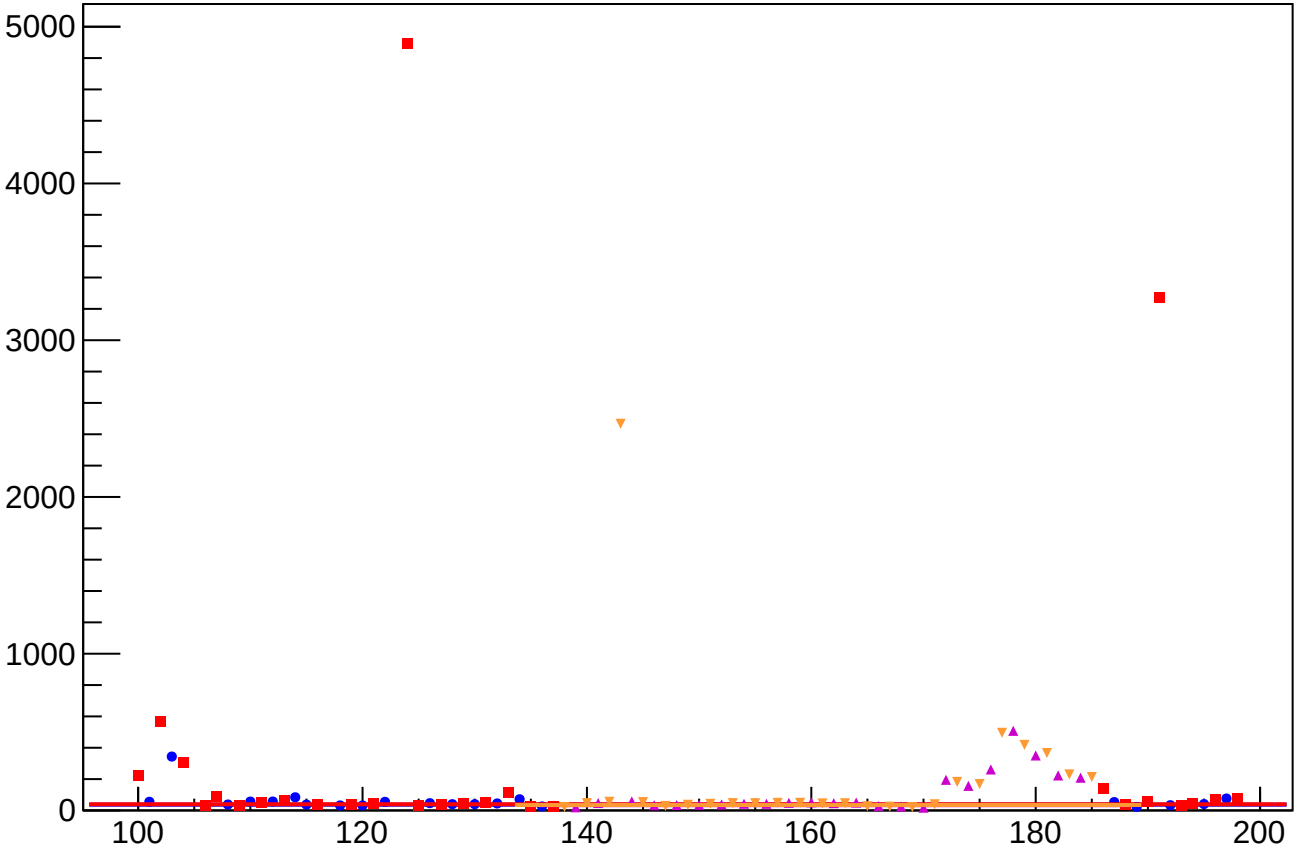
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/45

All: 0.008+/-0.006 χ^2/NDF: 89.6/95

- sign 0.000+/-0.008 χ^2/NDF: 38.7/49

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

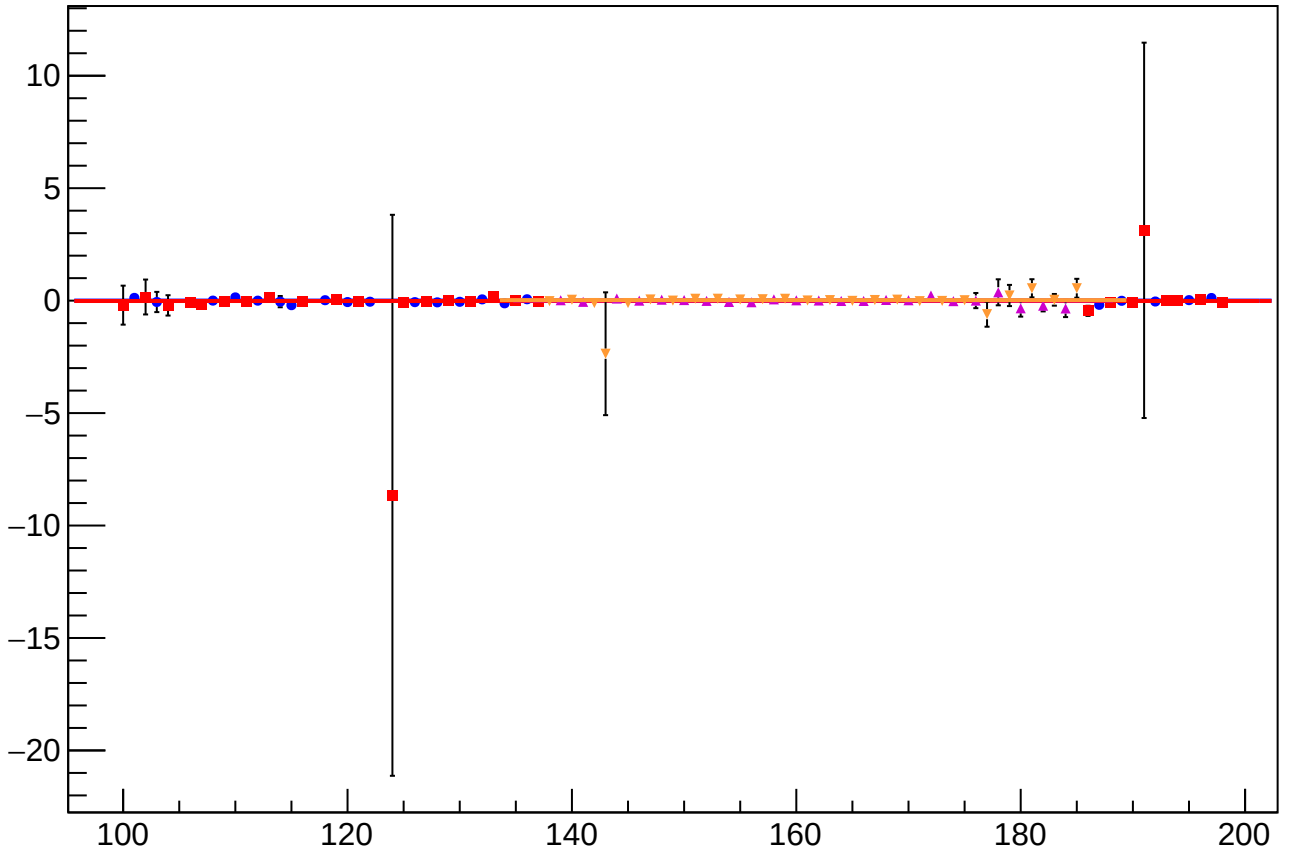
Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.408+/-0.006 χ^2/NDF: 14104111.1/45

All: 35.544+/-0.004 χ^2/NDF: 29111019.5/95

\- sign 35.676+/-0.006 χ^2/NDF: 15005793.7/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

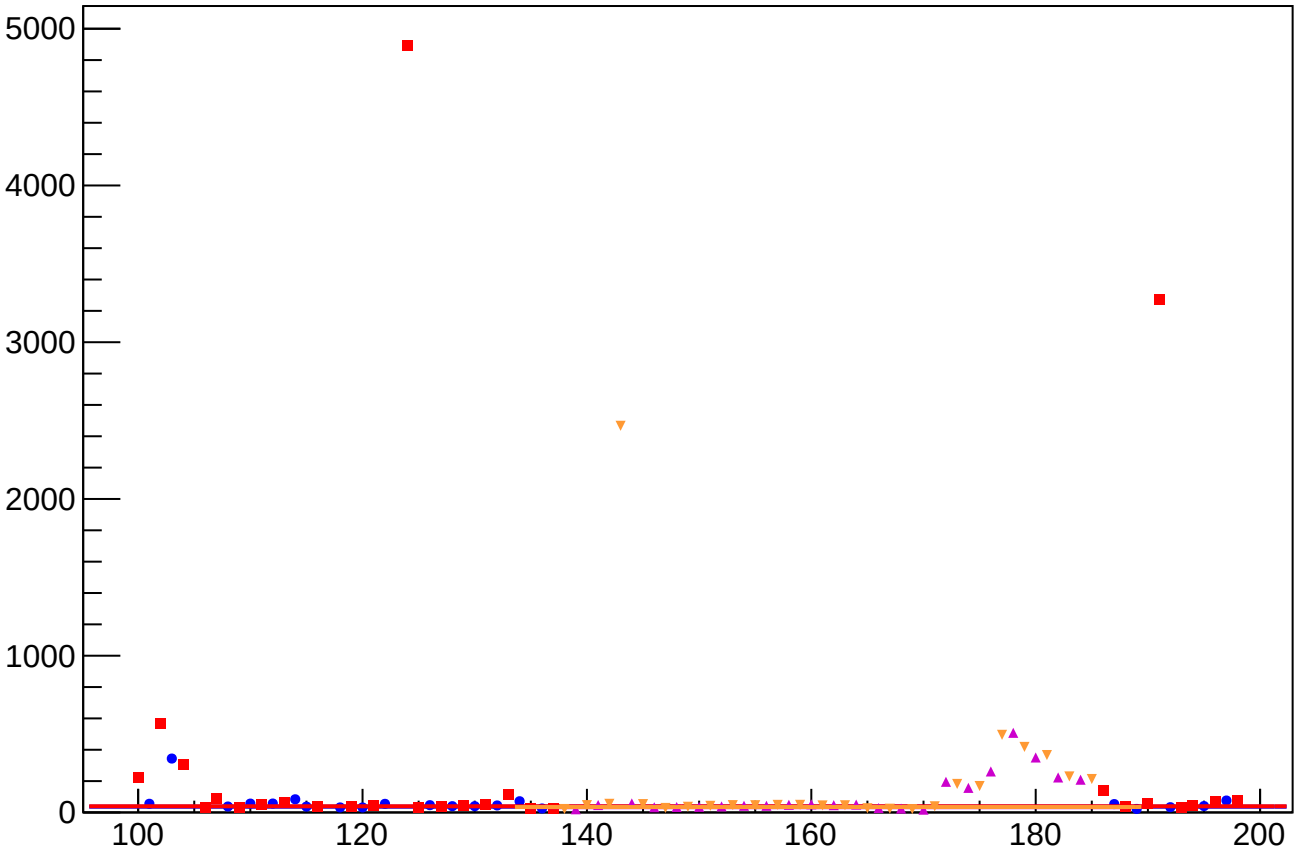
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/45

All: 0.008+/-0.006 χ^2/NDF: 89.6/95

- sign 0.000+/-0.008 χ^2/NDF: 38.7/49



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

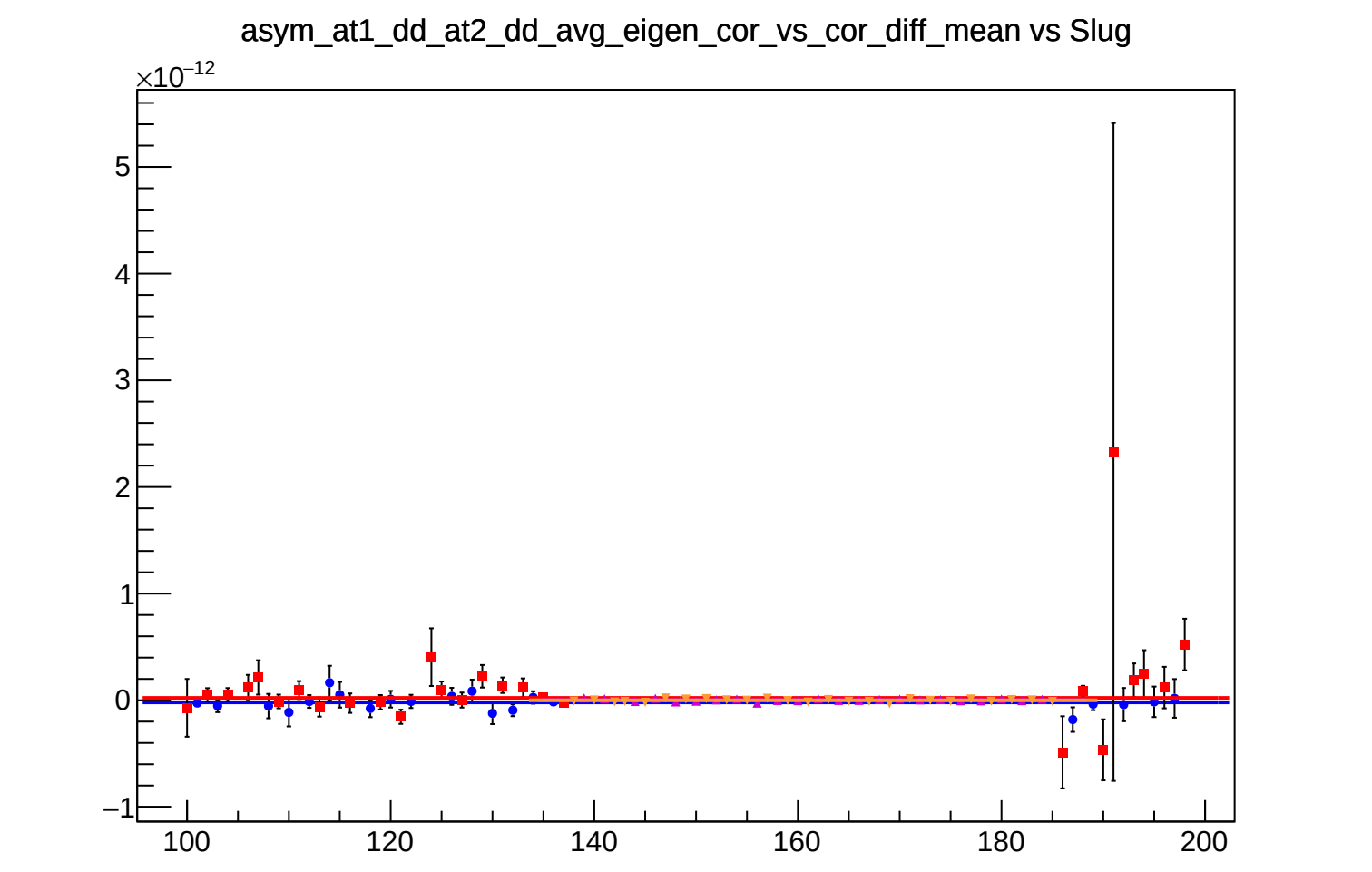
Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.408+/-0.006 χ^2/NDF: 14104111.1/45

All: 35.544+/-0.004 χ^2/NDF: 29111019.5/95

- sign 35.676+/-0.006 χ^2/NDF: 15005793.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

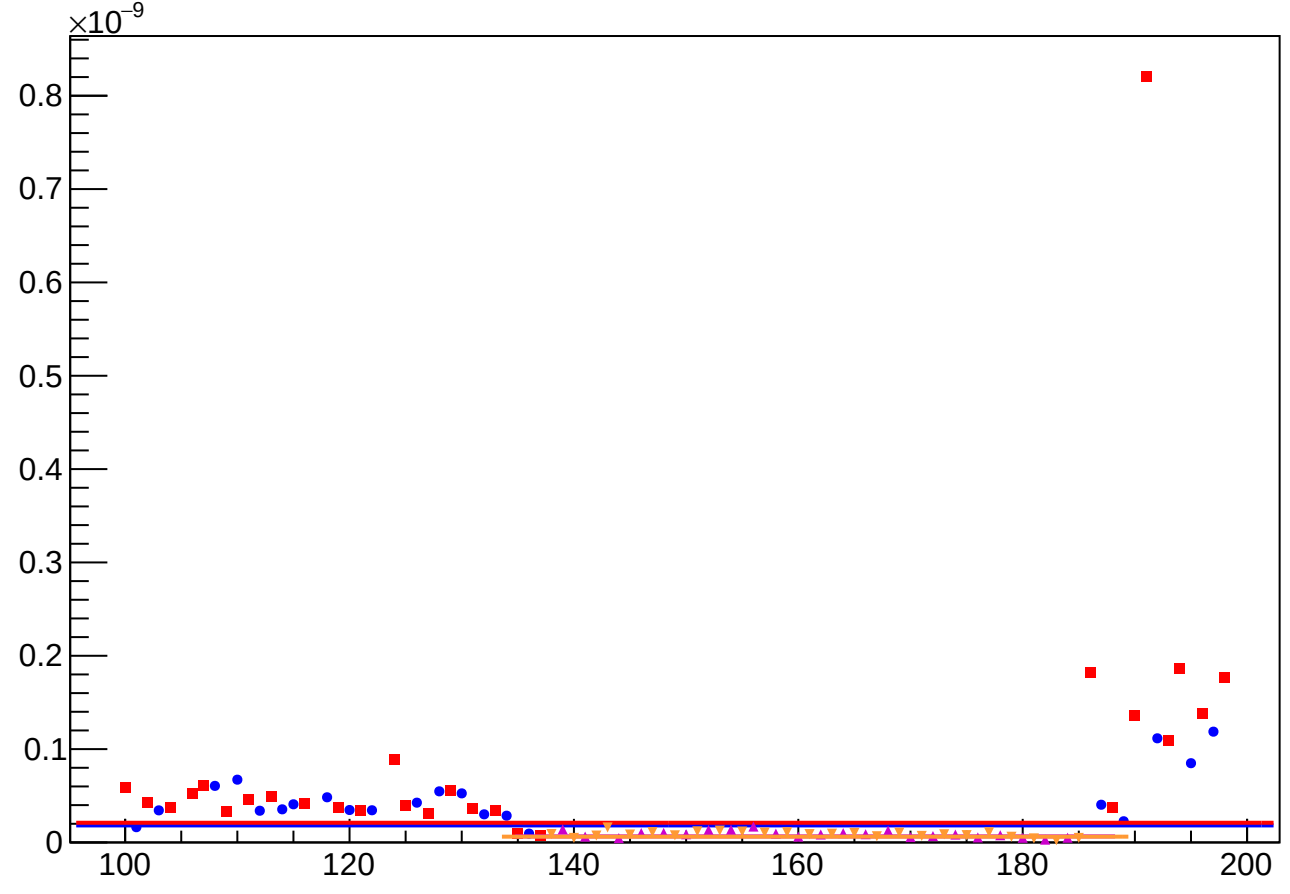
Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/26

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/45

All: 0.000+/-0.000 χ^2/NDF: 107.1/95

- sign 0.000+/-0.000 χ^2/NDF: 64.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 5095789.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8201798.2/26

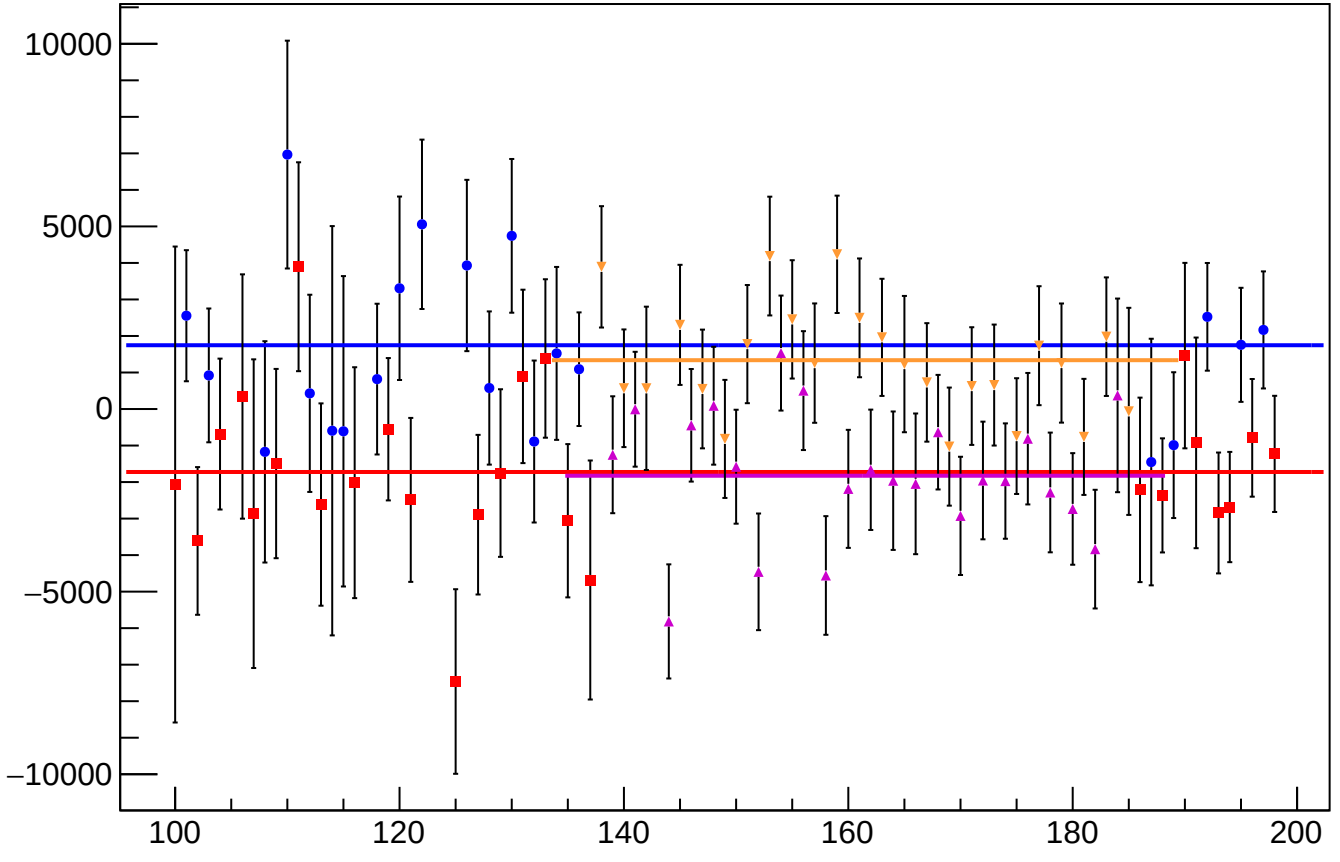
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13146973.8/45

All: 0.000+/-0.000 χ^2/NDF: 28958583.4/95

- sign 0.000+/-0.000 χ^2/NDF: 15784065.7/49

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1746.743+/-463.645 χ^2/NDF: 15.4/20

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1724.140+/-434.208 χ^2/NDF: 19.1/25

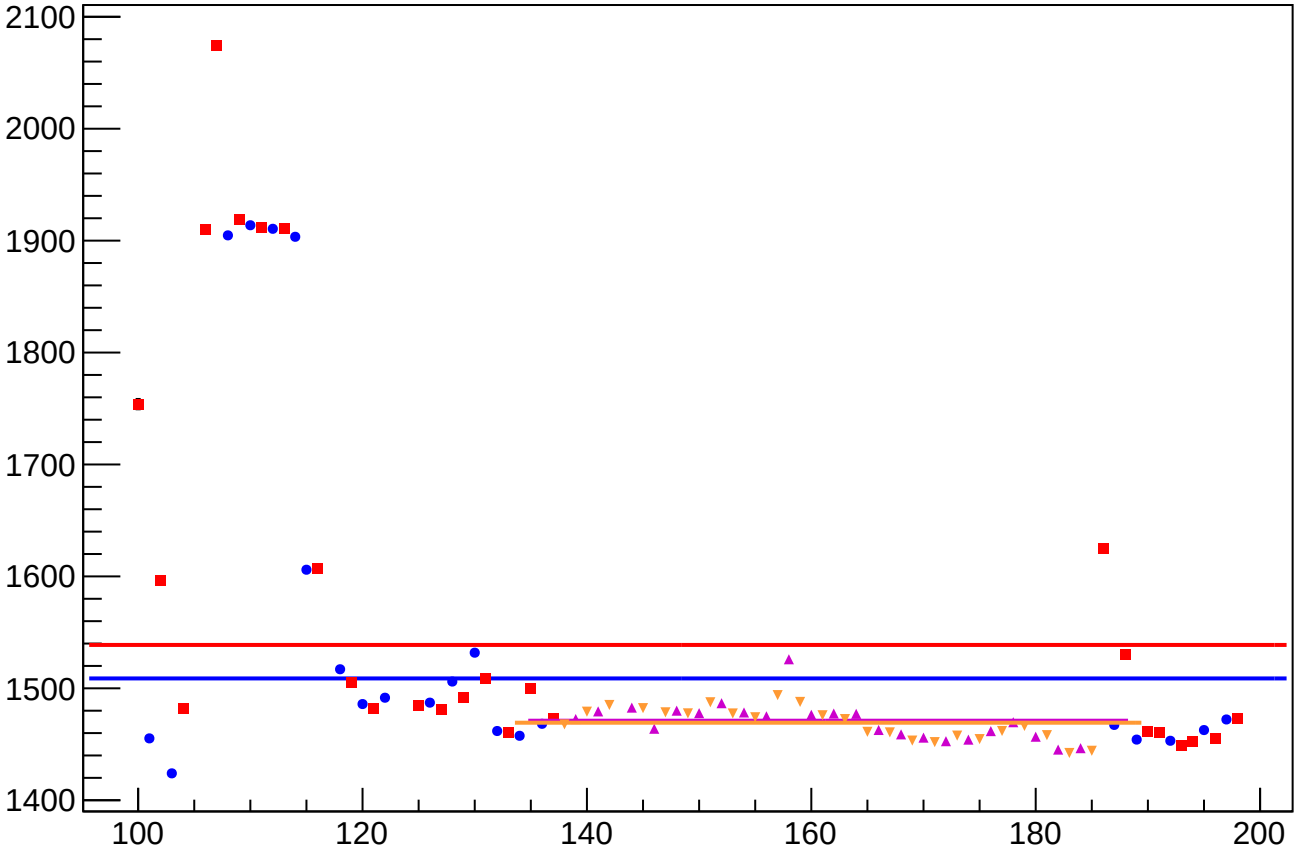
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1480.848+/-274.710 χ^2/NDF: 35.1/44

All: -185.126+/-192.339 χ^2/NDF: 152.9/93

- sign -1787.161+/-269.386 χ^2/NDF: 45.6/48

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1508.830+/-0.328 χ^2/NDF: 140517.2/20

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

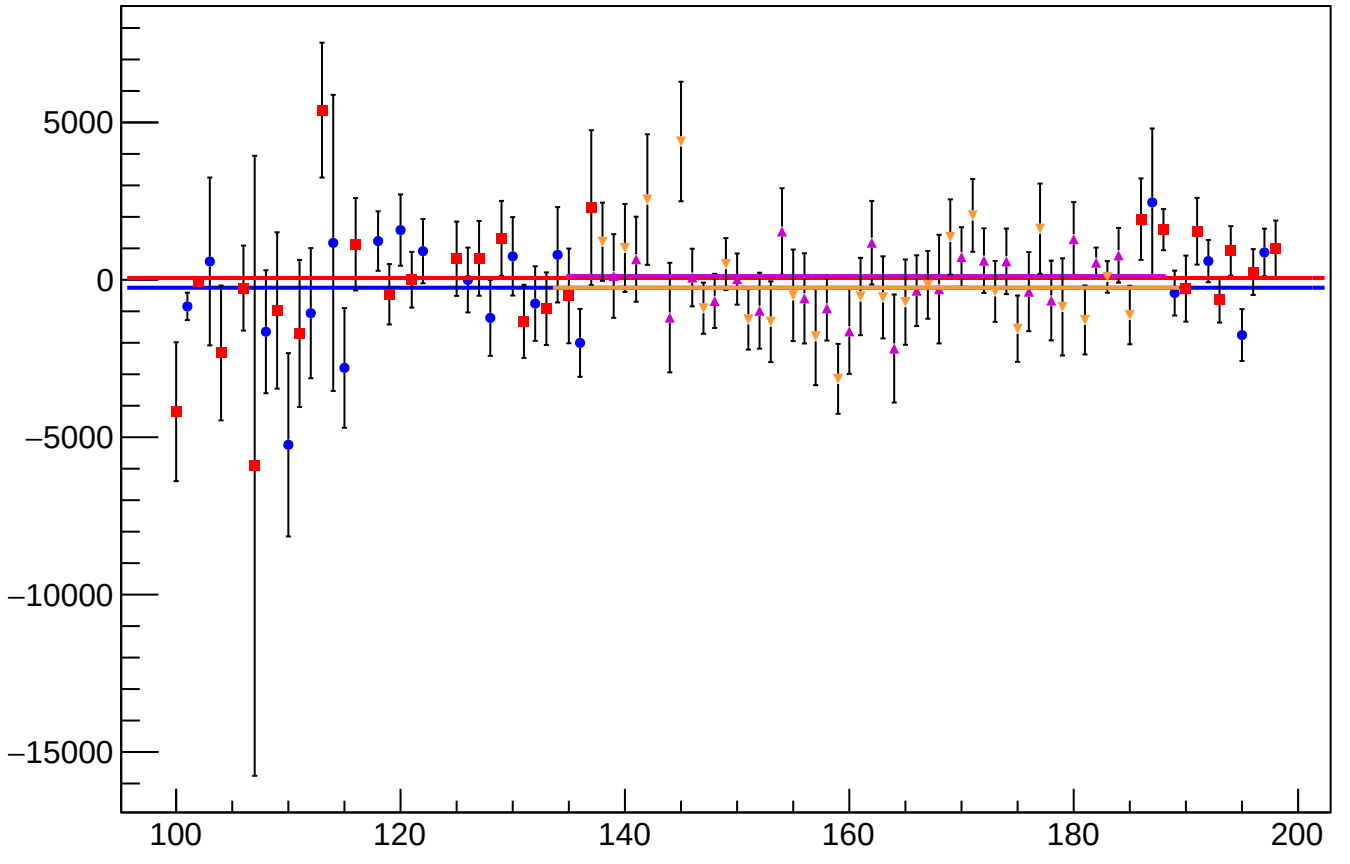
Right Out: 1538.759+/-0.307 χ^2/NDF: 212532.7/25

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.156+/-0.194 χ^2/NDF: 153122.8/44

All: 1490.271+/-0.136 χ^2/NDF: 402840.1/93

- sign 1497.114+/-0.190 χ^2/NDF: 247085.0/48



Right In: -250.530+/-217.811 χ^2/NDF: 26.9/20

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 58.612+/-117.269 χ^2/NDF: 31.6/25

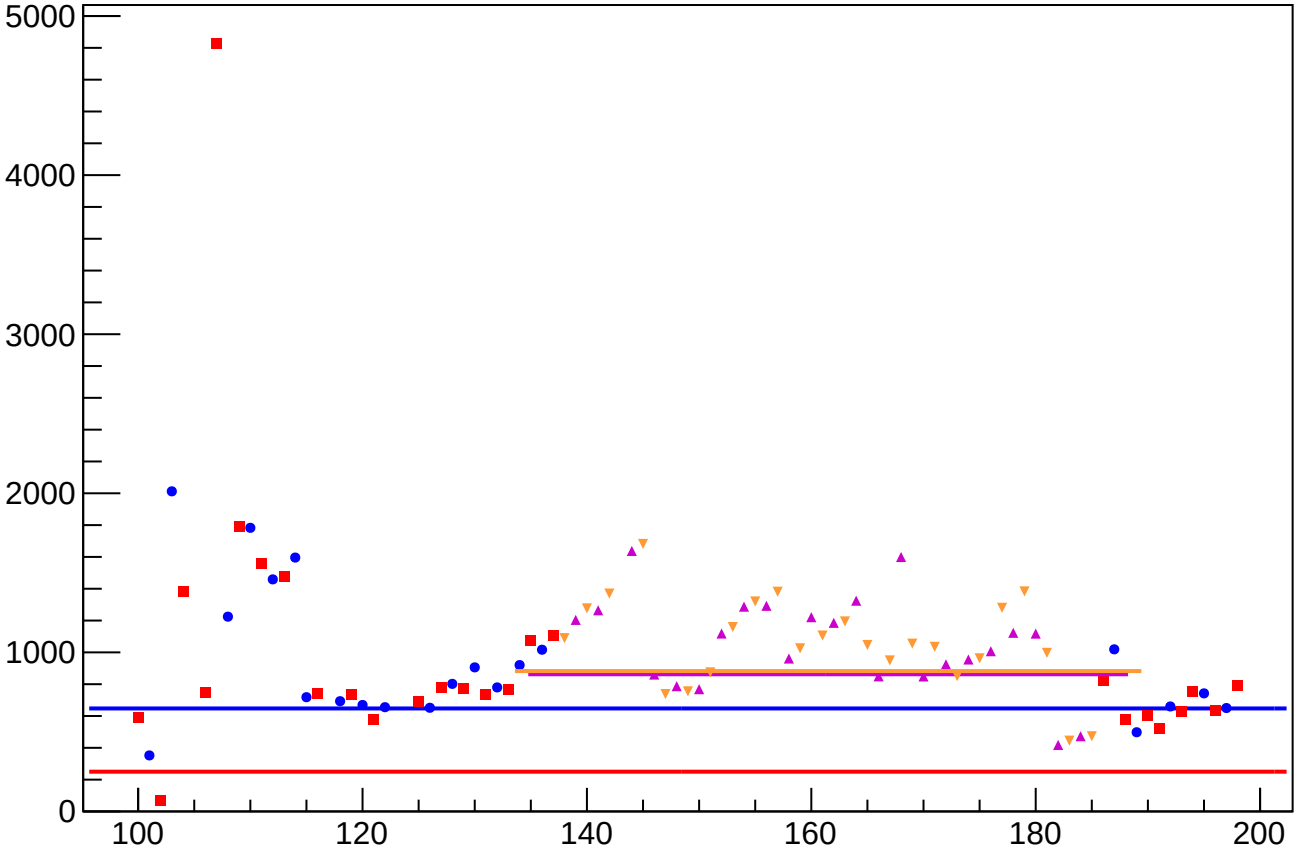
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -251.069+/-154.213 χ^2/NDF: 59.6/44

All: -27.363+/-85.685 χ^2/NDF: 107.1/93

- sign 72.545+/-103.057 χ^2/NDF: 44.4/48

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 647.489+/-0.154 χ^2/NDF: 2928279.7/20

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 250.066+/-0.083 χ^2/NDF: 14362617.2/25

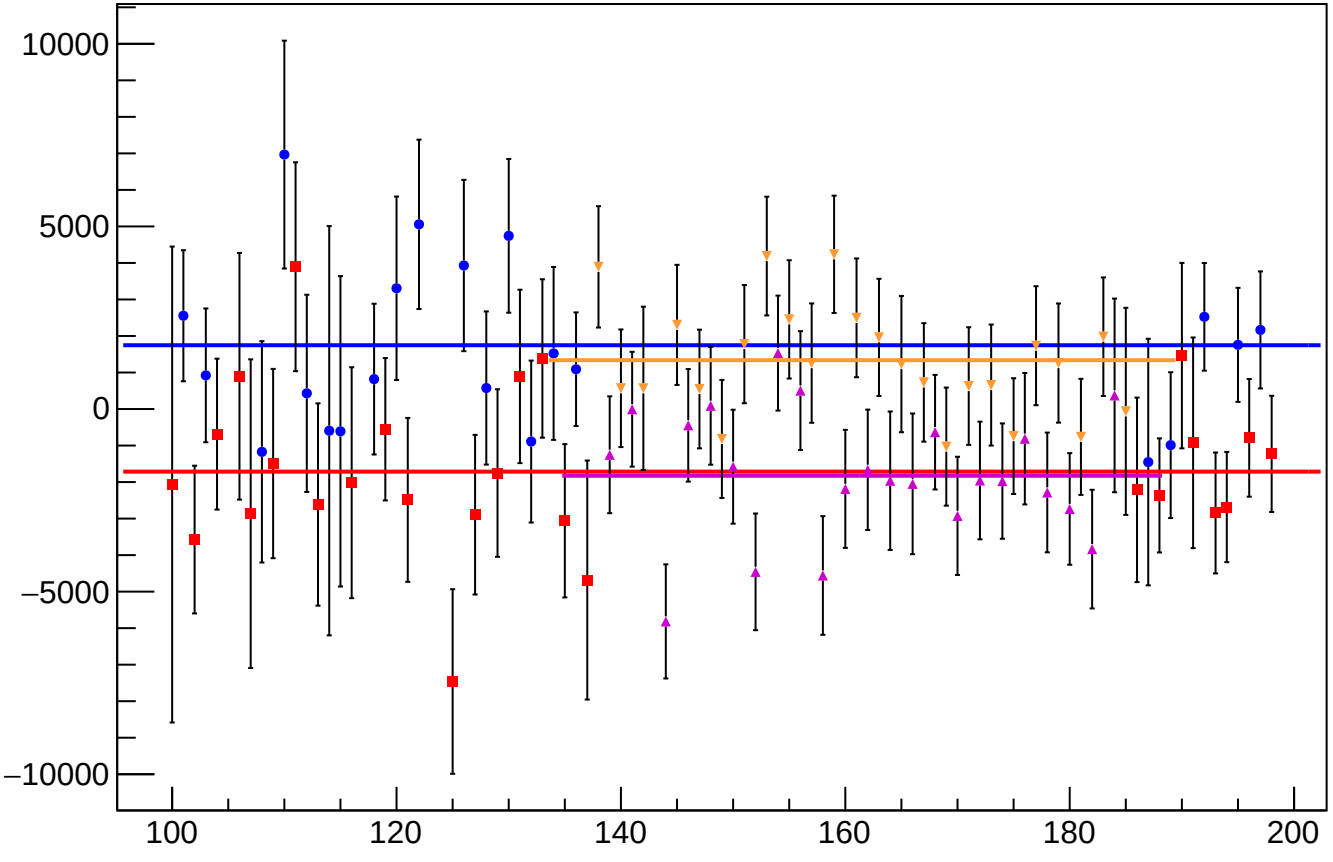
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 764.659+/-0.109 χ^2/NDF: 7990062.5/44

All: 505.298+/-0.061 χ^2/NDF: 47317825.7/93

- sign 389.467+/-0.073 χ^2/NDF: 31144111.8/48

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1746.823+/-463.645 χ^2/NDF: 15.4/20

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1713.876+/-434.281 χ^2/NDF: 19.3/25

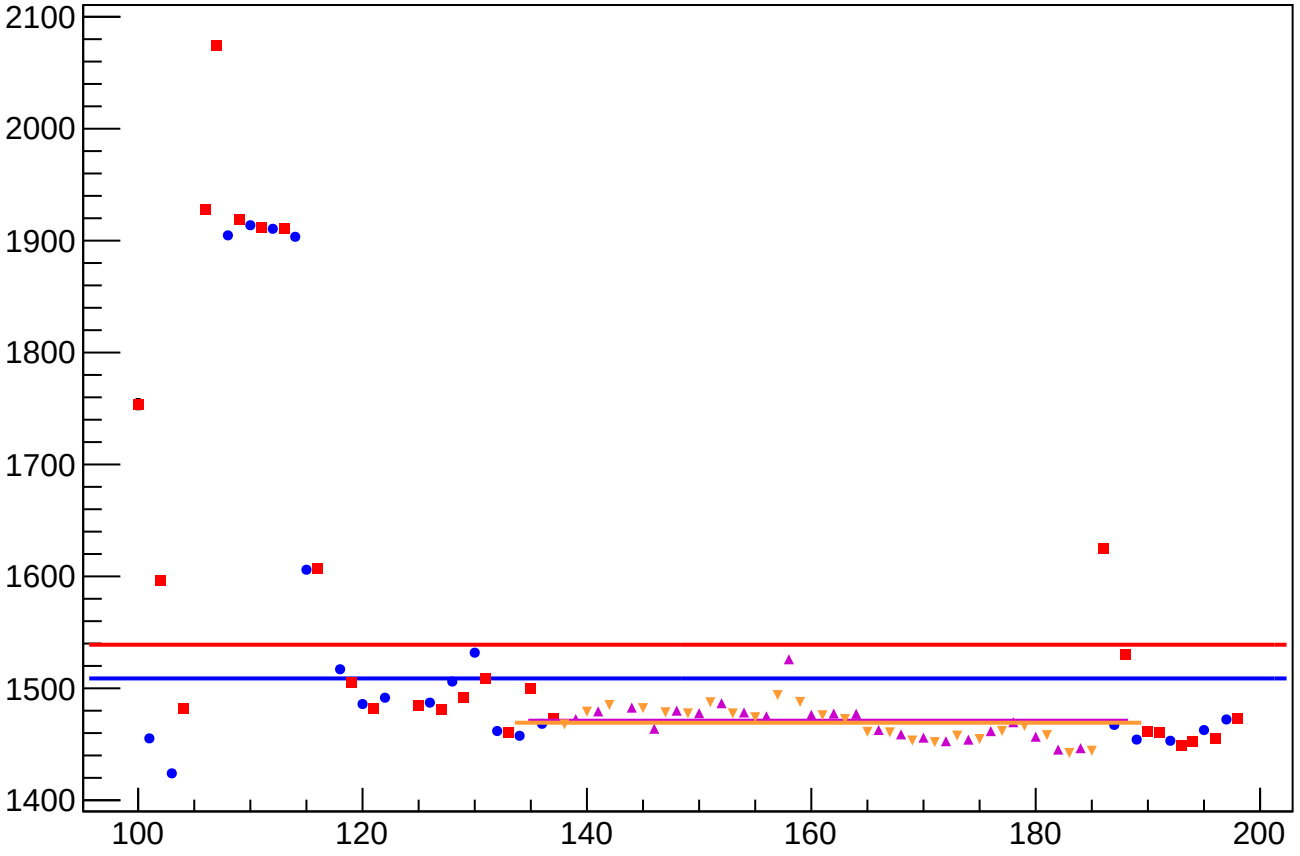
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1480.883+/-274.710 χ^2/NDF: 35.1/44

All: -183.009+/-192.346 χ^2/NDF: 152.9/93

- sign -1783.248+/-269.404 χ^2/NDF: 45.8/48

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1508.830+/-0.328 χ^2/NDF: 140517.2/20

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1538.951+/-0.307 χ^2/NDF: 214519.0/25

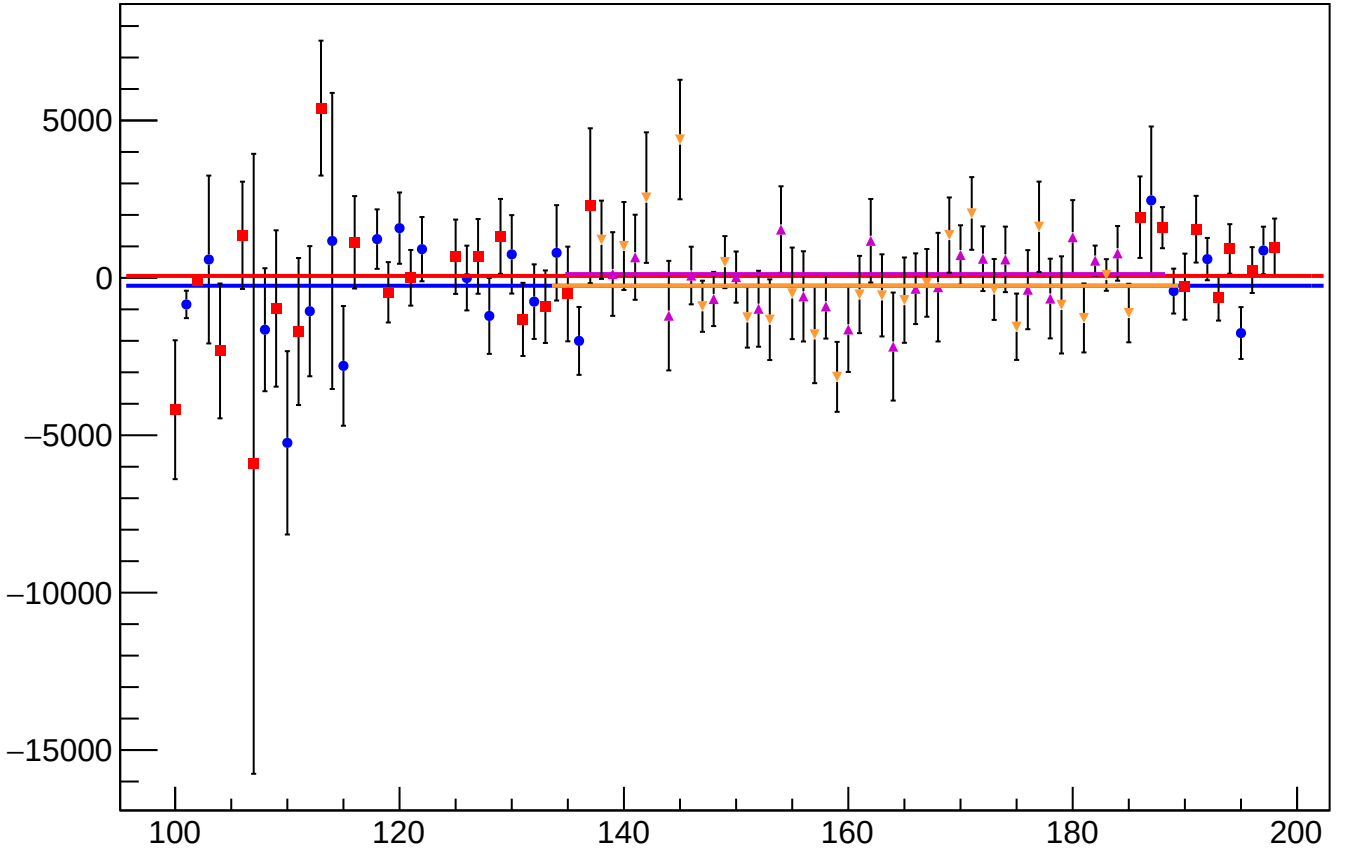
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.156+/-0.194 χ^2/NDF: 153122.8/44

All: 1490.306+/-0.136 χ^2/NDF: 405016.4/93

- sign 1497.183+/-0.190 χ^2/NDF: 249235.5/48

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -250.440+/-217.810 χ^2/NDF: 26.9/20

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 61.435+/-125.196 χ^2/NDF: 32.4/25

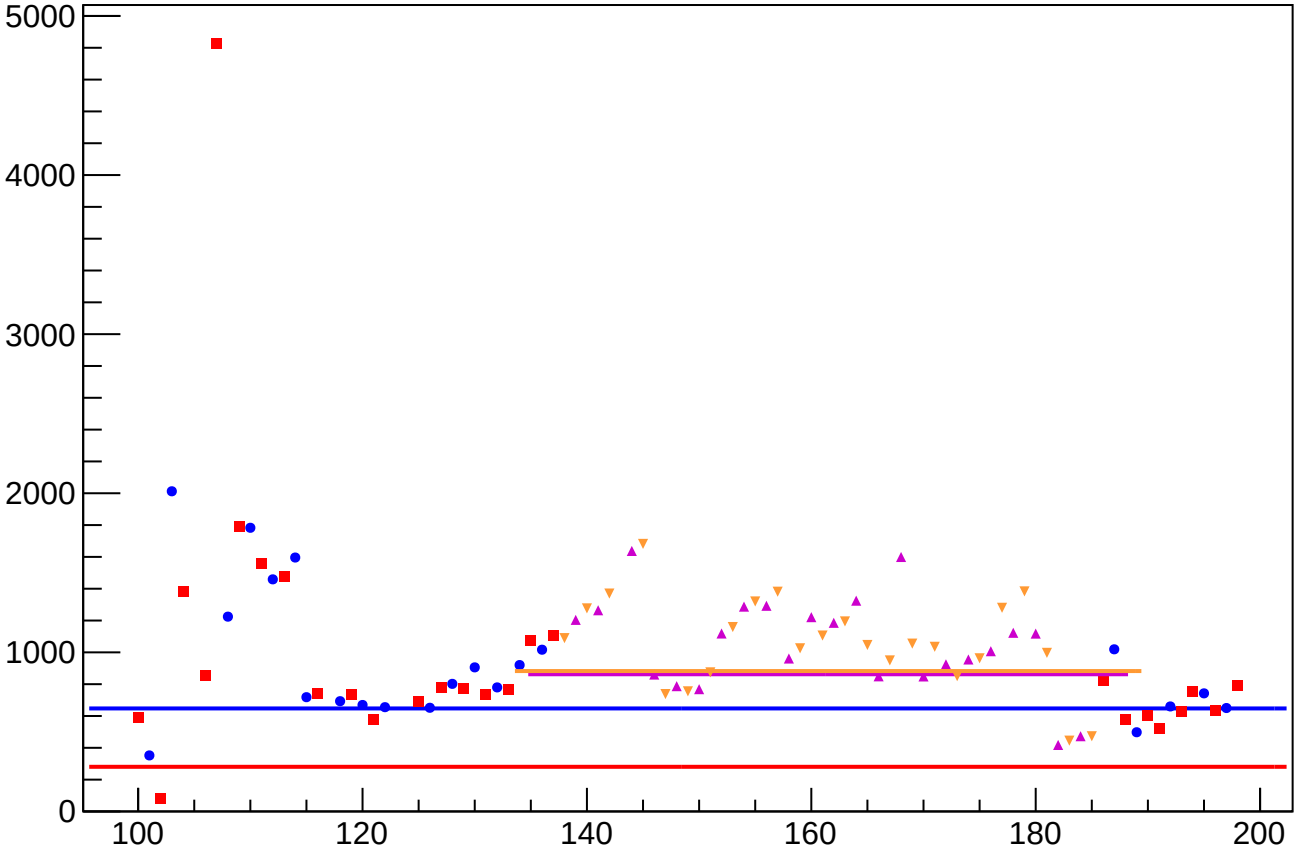
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -251.013+/-154.212 χ^2/NDF: 59.6/44

All: -31.945+/-88.635 χ^2/NDF: 107.9/93

- sign 76.126+/-108.314 χ^2/NDF: 45.3/48

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 647.487+/-0.154 χ^2/NDF: 2928329.2/20

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 280.650+/-0.089 χ^2/NDF: 13343608.3/25

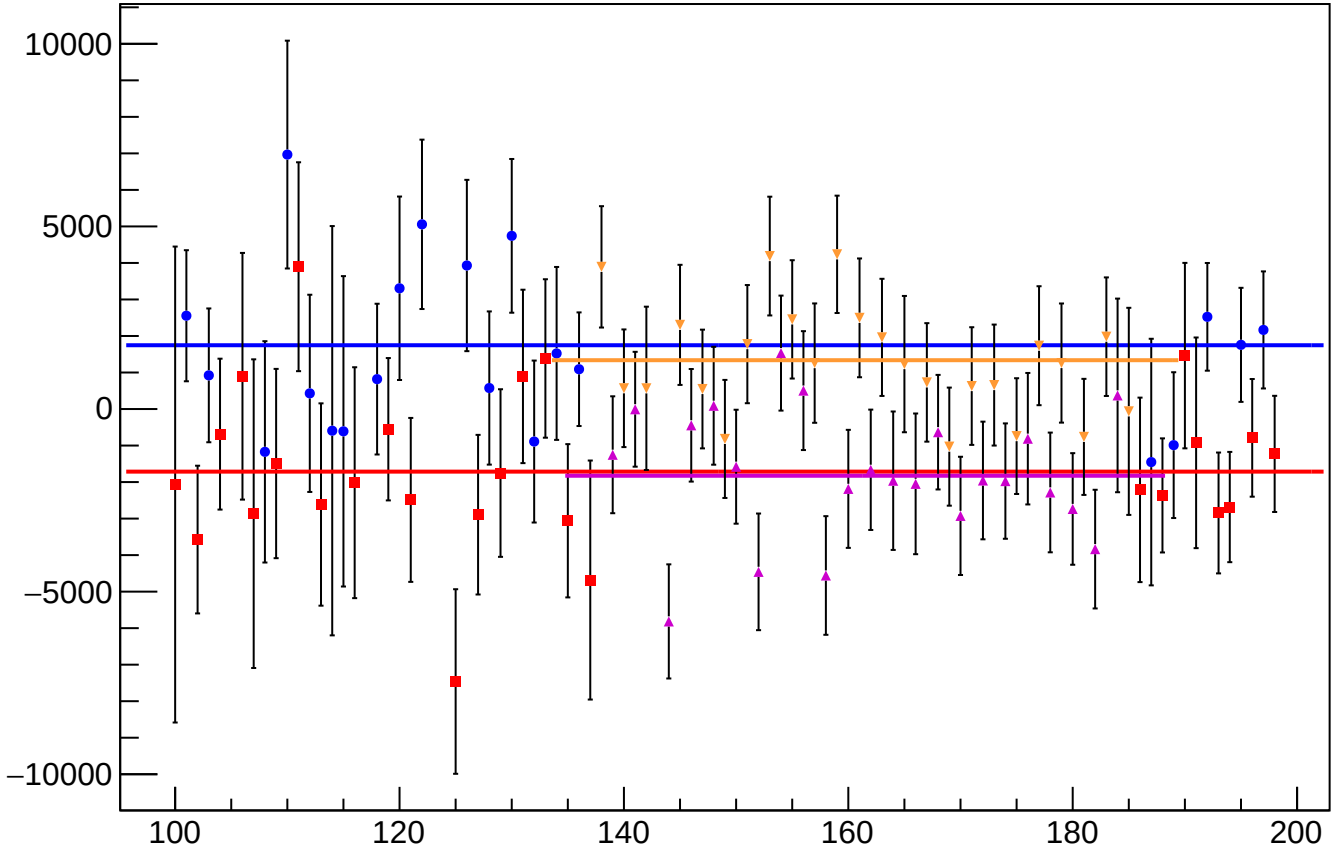
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 764.653+/-0.109 χ^2/NDF: 7990371.9/44

All: 538.505+/-0.063 χ^2/NDF: 42983832.6/93

- sign 426.941+/-0.077 χ^2/NDF: 28570535.1/48

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1746.823+/-463.645 χ^2/NDF: 15.4/20

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1713.876+/-434.281 χ^2/NDF: 19.3/25

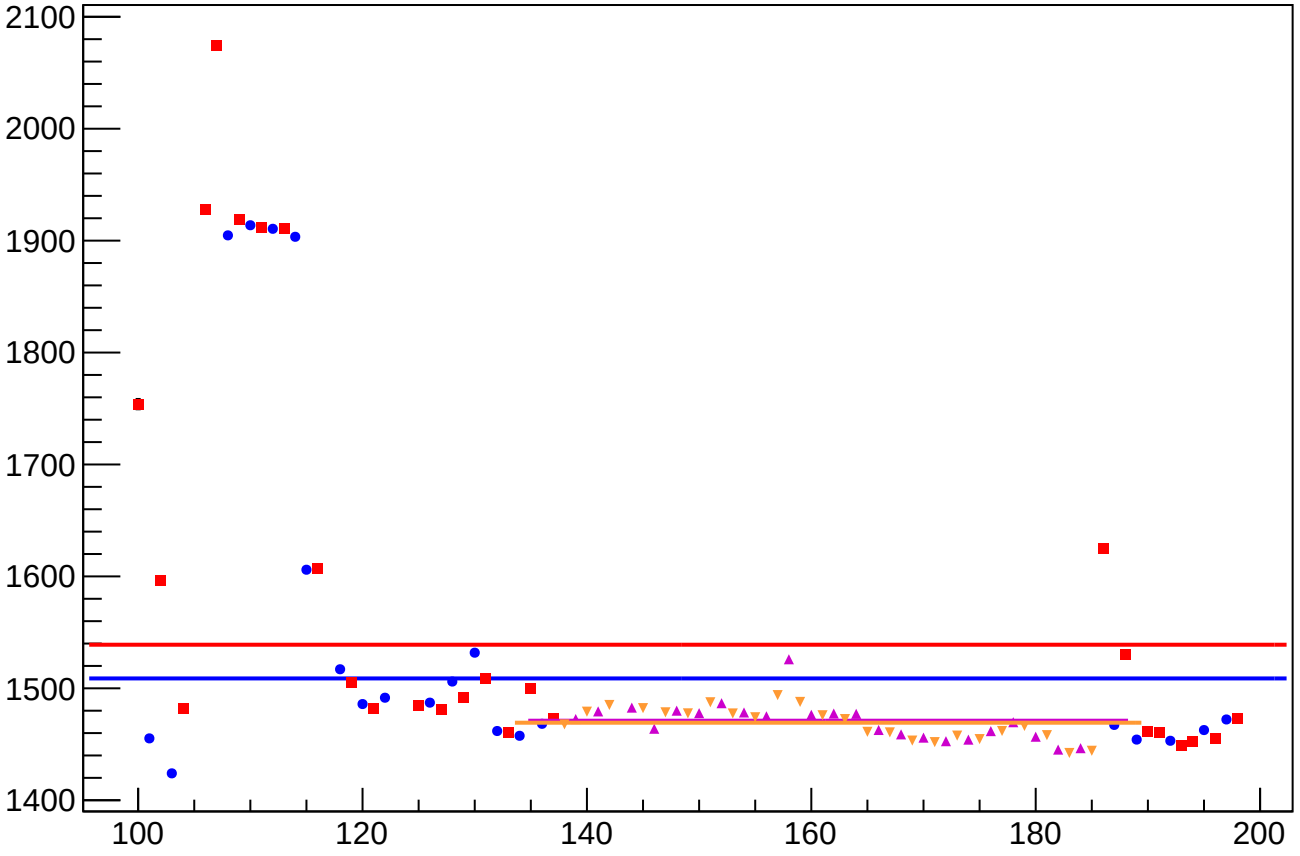
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1480.883+/-274.710 χ^2/NDF: 35.1/44

All: -183.009+/-192.346 χ^2/NDF: 152.9/93

- sign -1783.248+/-269.404 χ^2/NDF: 45.8/48

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1508.830+/-0.328 χ^2/NDF: 140517.2/20

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1538.951+/-0.307 χ^2/NDF: 214519.0/25

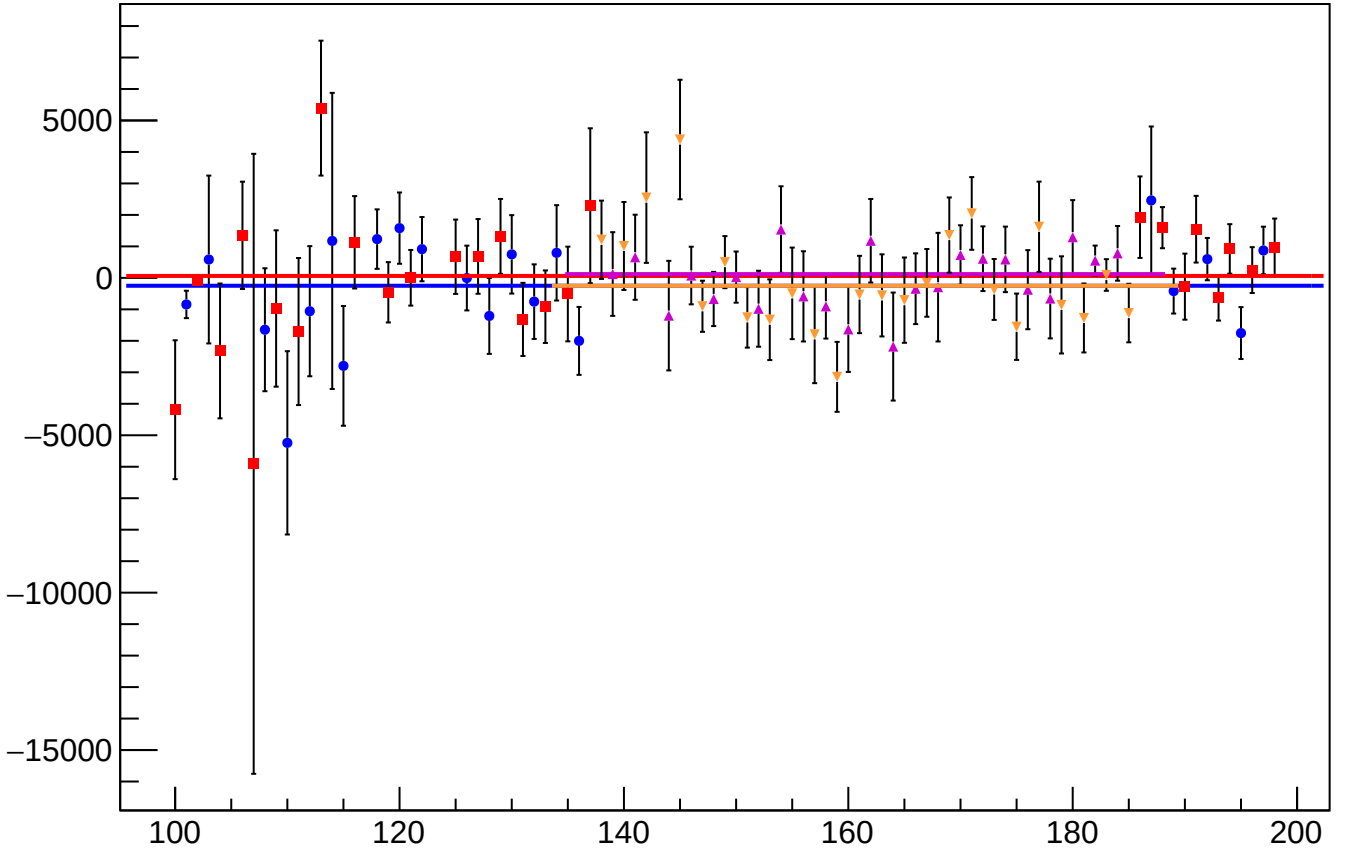
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.156+/-0.194 χ^2/NDF: 153122.8/44

All: 1490.306+/-0.136 χ^2/NDF: 405016.4/93

- sign 1497.183+/-0.190 χ^2/NDF: 249235.5/48

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug



Right In: -250.440+/-217.810 χ^2/NDF: 26.9/20

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

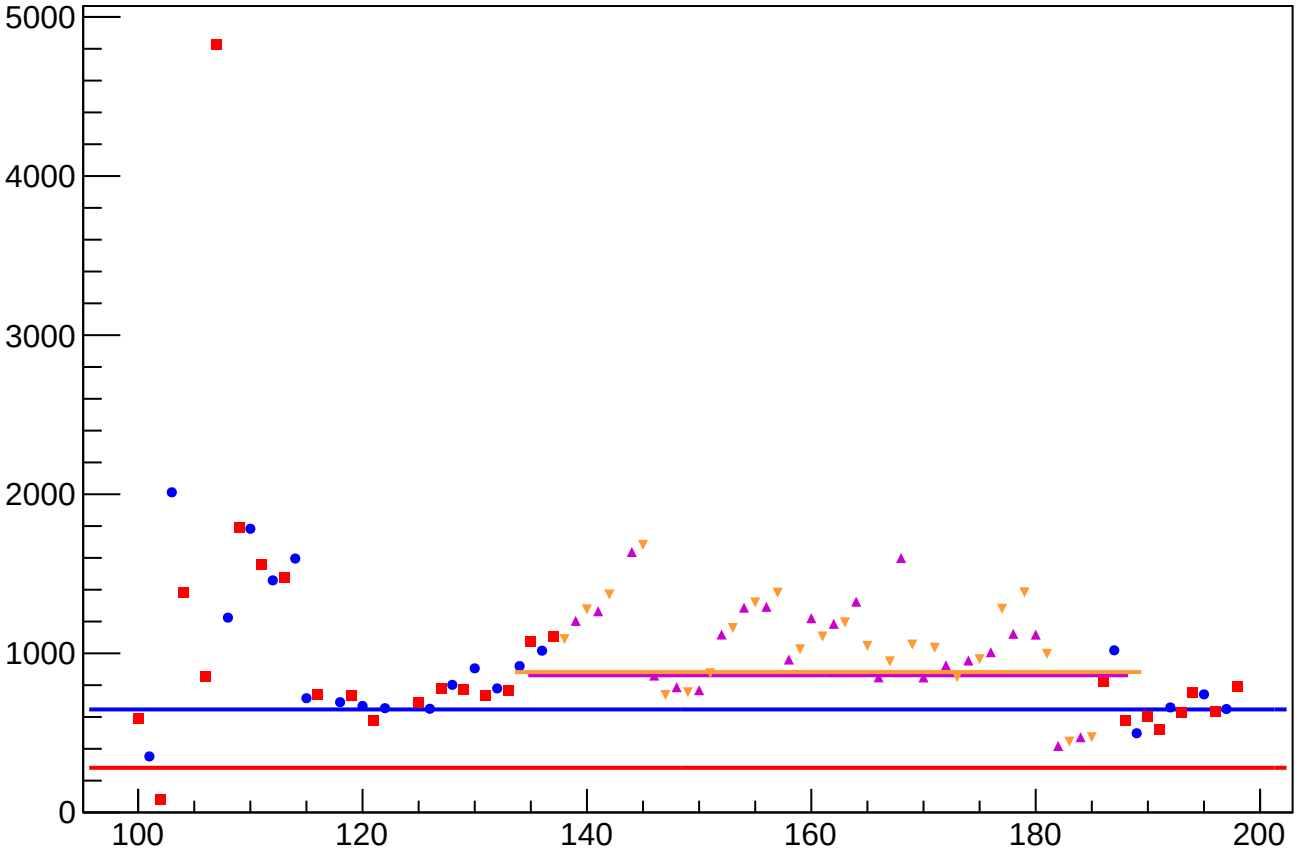
Right Out: 61.435+/-125.196 χ^2/NDF: 32.4/25

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -251.013+/-154.212 χ^2/NDF: 59.6/44

All: -31.945+/-88.635 χ^2/NDF: 107.9/93

- sign 76.126+/-108.314 χ^2/NDF: 45.3/48



Right In: 647.487+/-0.154 χ^2/NDF: 2928329.2/20

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 280.650+/-0.089 χ^2/NDF: 13343608.3/25

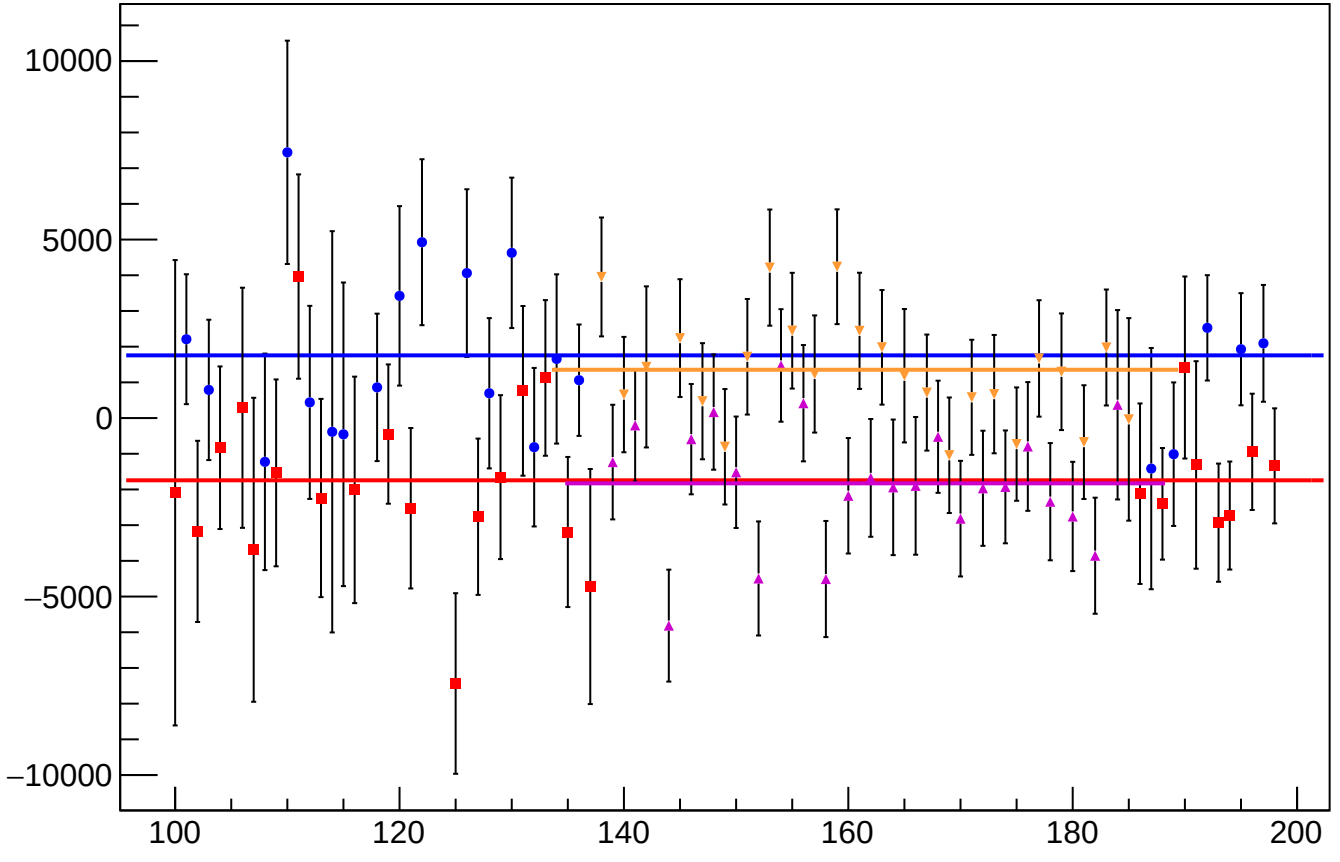
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 764.653+/-0.109 χ^2/NDF: 7990371.9/44

All: 538.505+/-0.063 χ^2/NDF: 42983832.6/93

- sign 426.941+/-0.077 χ^2/NDF: 28570535.1/48

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1756.353+/-467.769 χ^2/NDF: 15.4/20

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1743.737+/-441.294 χ^2/NDF: 18.1/25

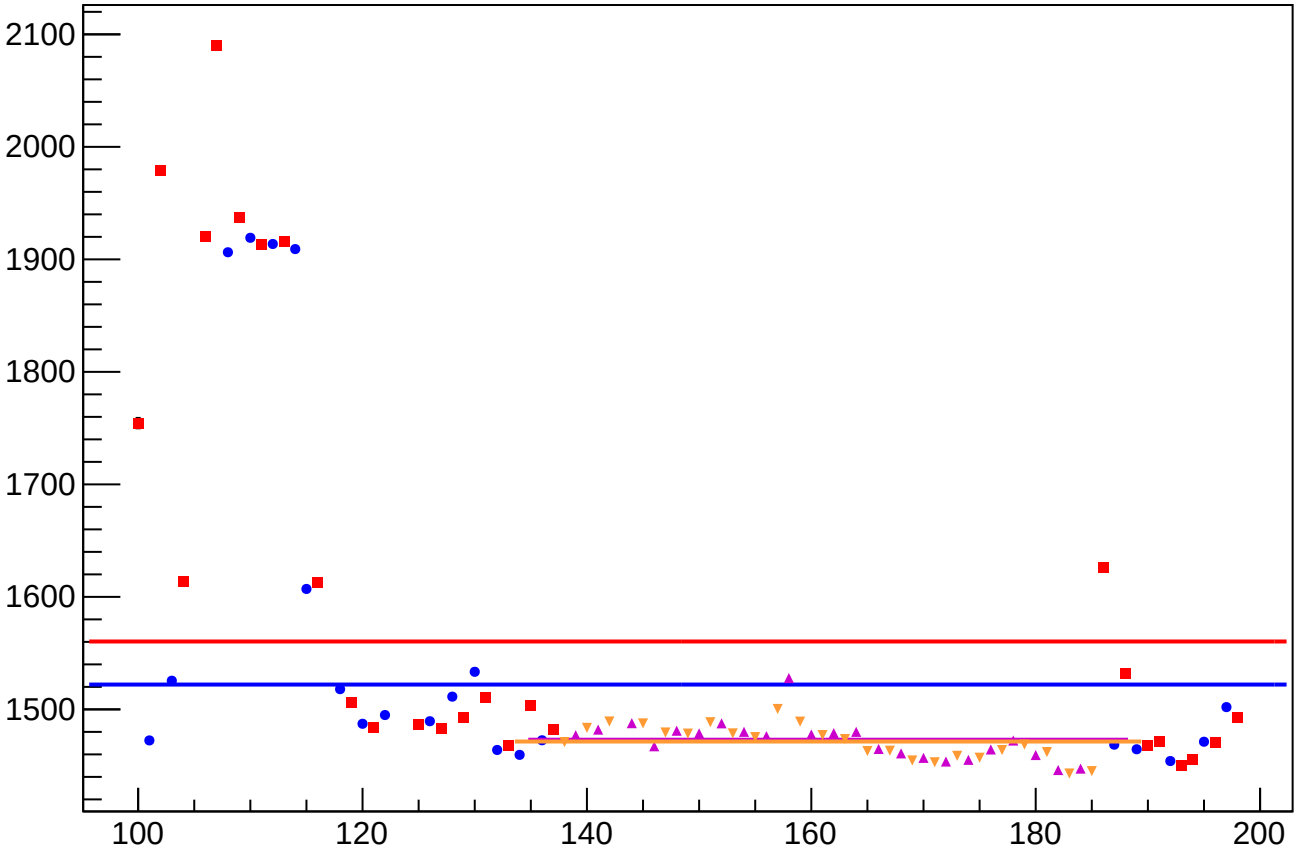
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1493.722+/-275.854 χ^2/NDF: 34.9/44

All: -178.772+/-193.422 χ^2/NDF: 151.1/93

- sign -1796.311+/-271.284 χ^2/NDF: 43.9/48

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1522.073+/-0.331 χ^2/NDF: 132765.7/20

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1560.353+/-0.312 χ^2/NDF: 267846.0/25

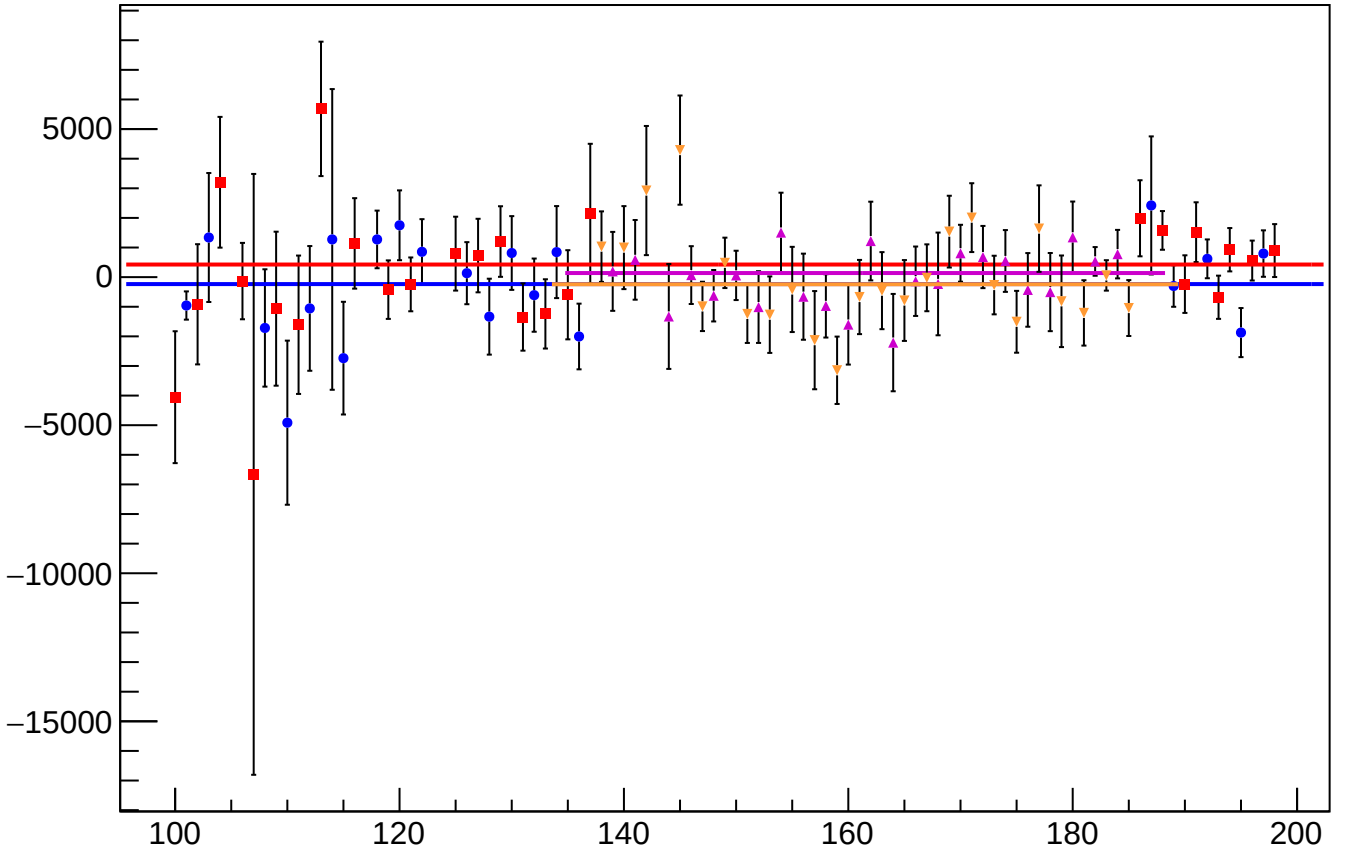
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1489.047+/-0.195 χ^2/NDF: 151488.6/44

All: 1497.686+/-0.137 χ^2/NDF: 476641.1/93

- sign 1506.042+/-0.192 χ^2/NDF: 321293.4/48

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -234.657+/-224.749 χ^2/NDF: 27.7/20

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 425.717+/-219.481 χ^2/NDF: 30.0/25

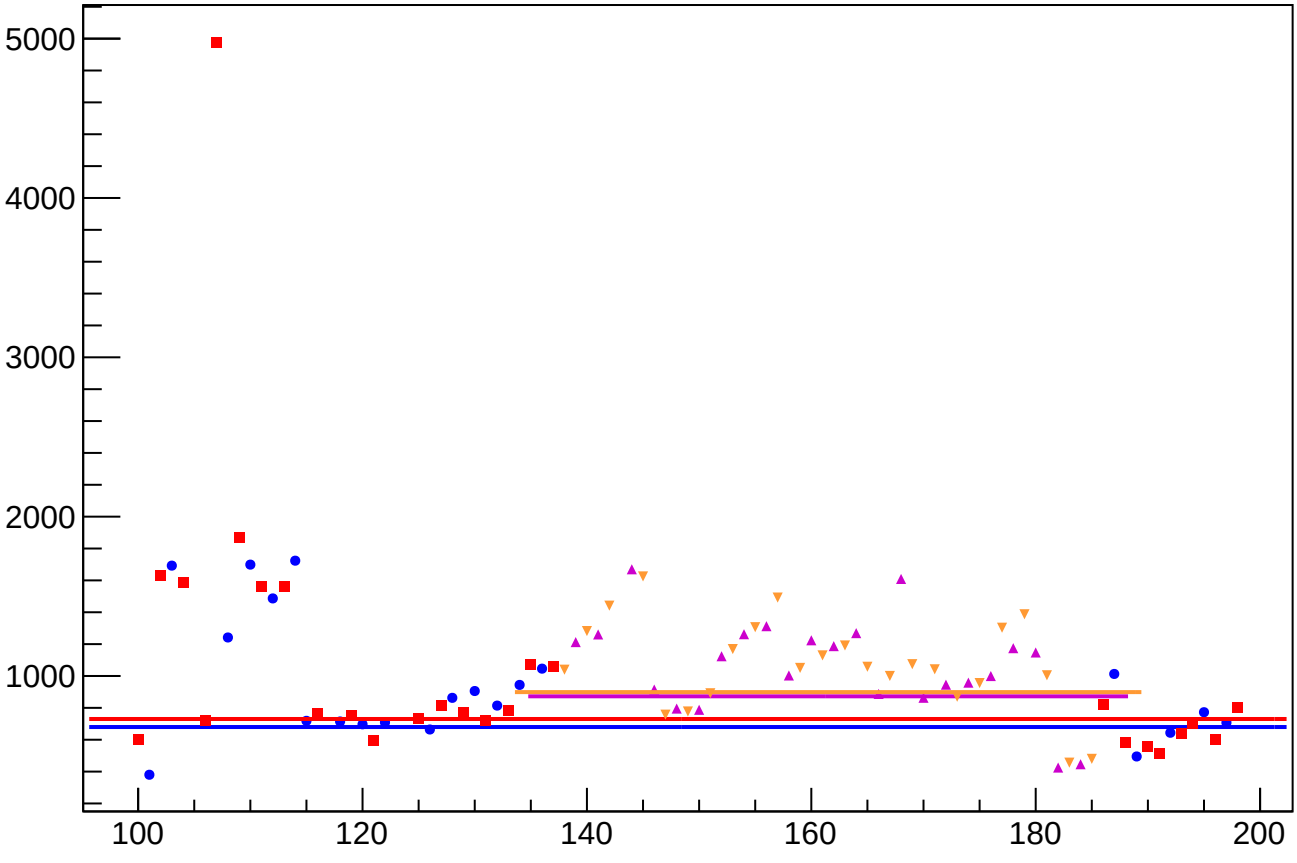
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -237.499+/-157.864 χ^2/NDF: 60.2/44

All: 26.972+/-110.542 χ^2/NDF: 109.6/93

- sign 281.411+/-154.841 χ^2/NDF: 43.9/48

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 679.675+/-0.159 χ^2/NDF: 2656436.0/20

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 730.165+/-0.155 χ^2/NDF: 2549205.4/25

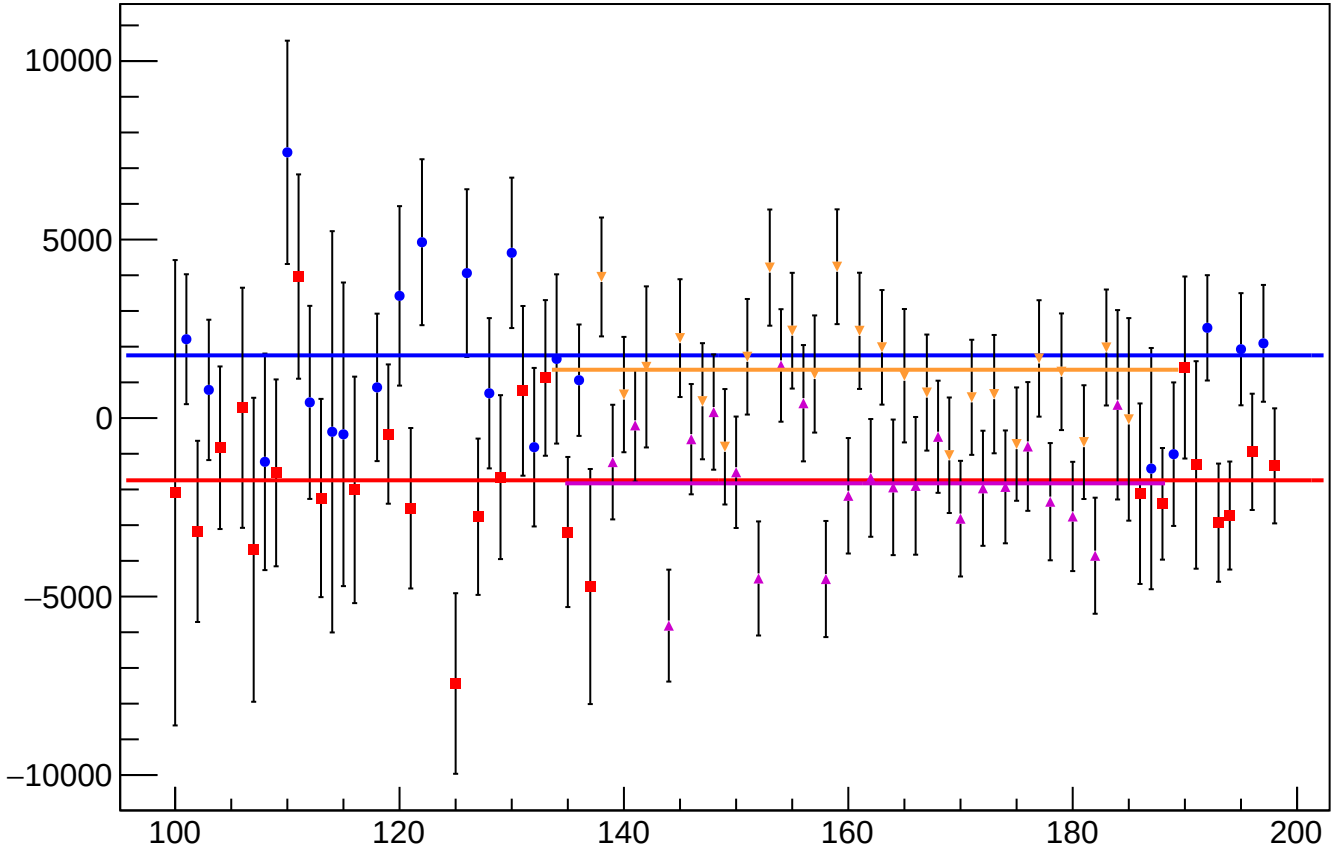
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 790.715+/-0.112 χ^2/NDF: 7411584.8/44

All: 796.286+/-0.078 χ^2/NDF: 14823515.4/93

- sign 801.645+/-0.109 χ^2/NDF: 7407044.8/48

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1756.352+/-467.769 χ^2/NDF: 15.4/20

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1743.735+/-441.294 χ^2/NDF: 18.1/25

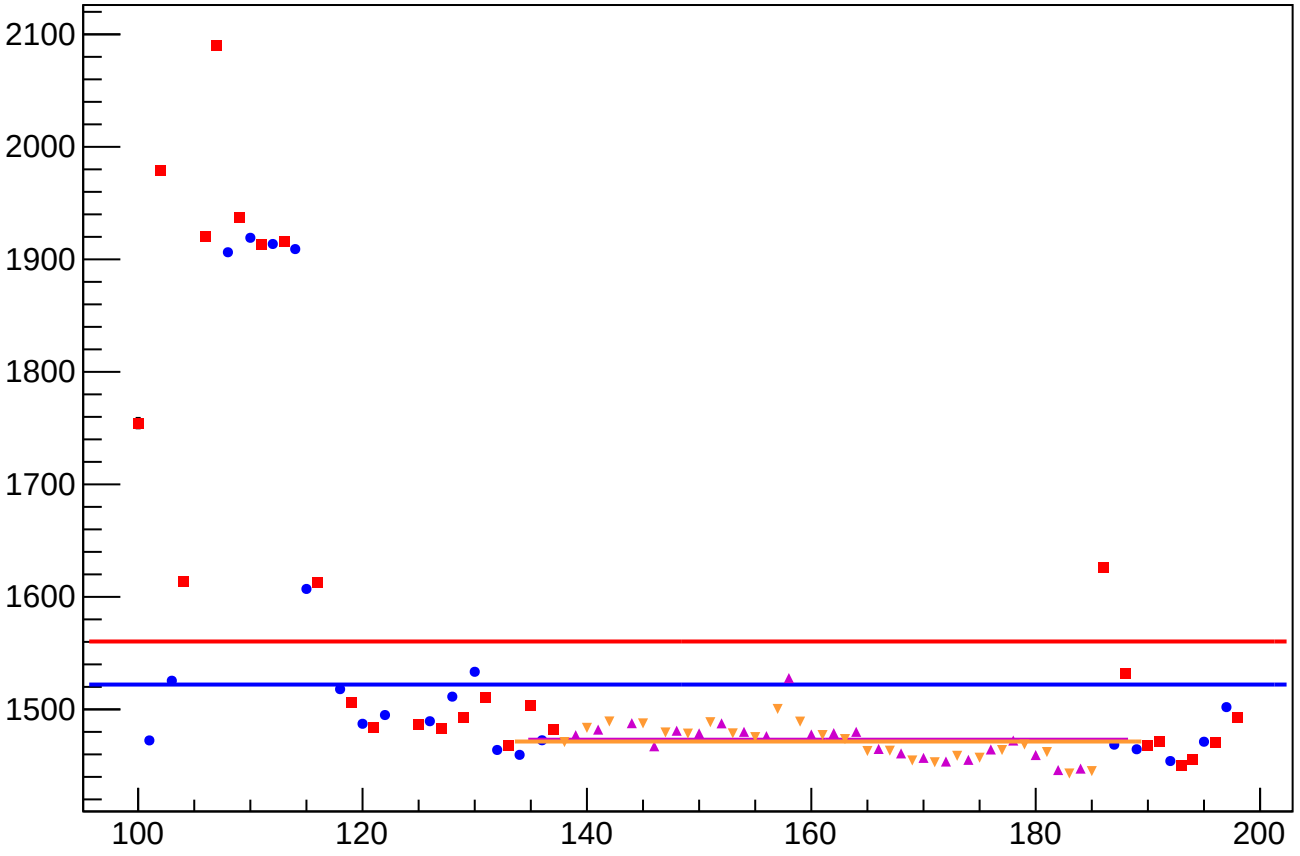
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1493.721+/-275.854 χ^2/NDF: 34.9/44

All: -178.773+/-193.422 χ^2/NDF: 151.1/93

- sign -1796.311+/-271.284 χ^2/NDF: 43.9/48

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1522.073+/-0.331 χ^2/NDF: 132765.7/20

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

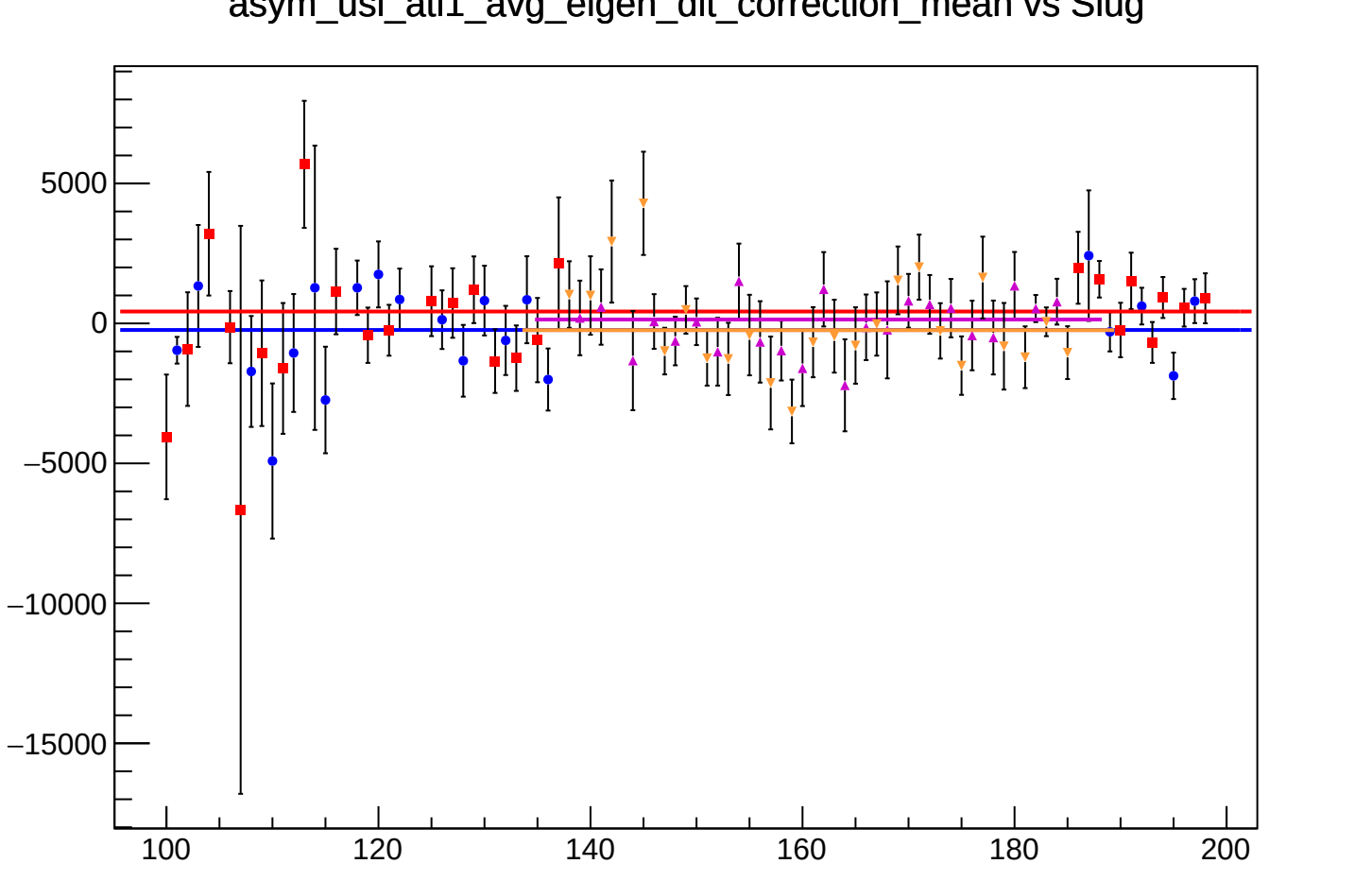
Right Out: 1560.353+/-0.312 χ^2/NDF: 267845.7/25

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1489.047+/-0.195 χ^2/NDF: 151488.4/44

All: 1497.686+/-0.137 χ^2/NDF: 476640.5/93

- sign 1506.042+/-0.192 χ^2/NDF: 321292.9/48



Right In: -234.656+/-224.749 χ^2/NDF: 27.7/20

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 425.716+/-219.481 χ^2/NDF: 30.0/25

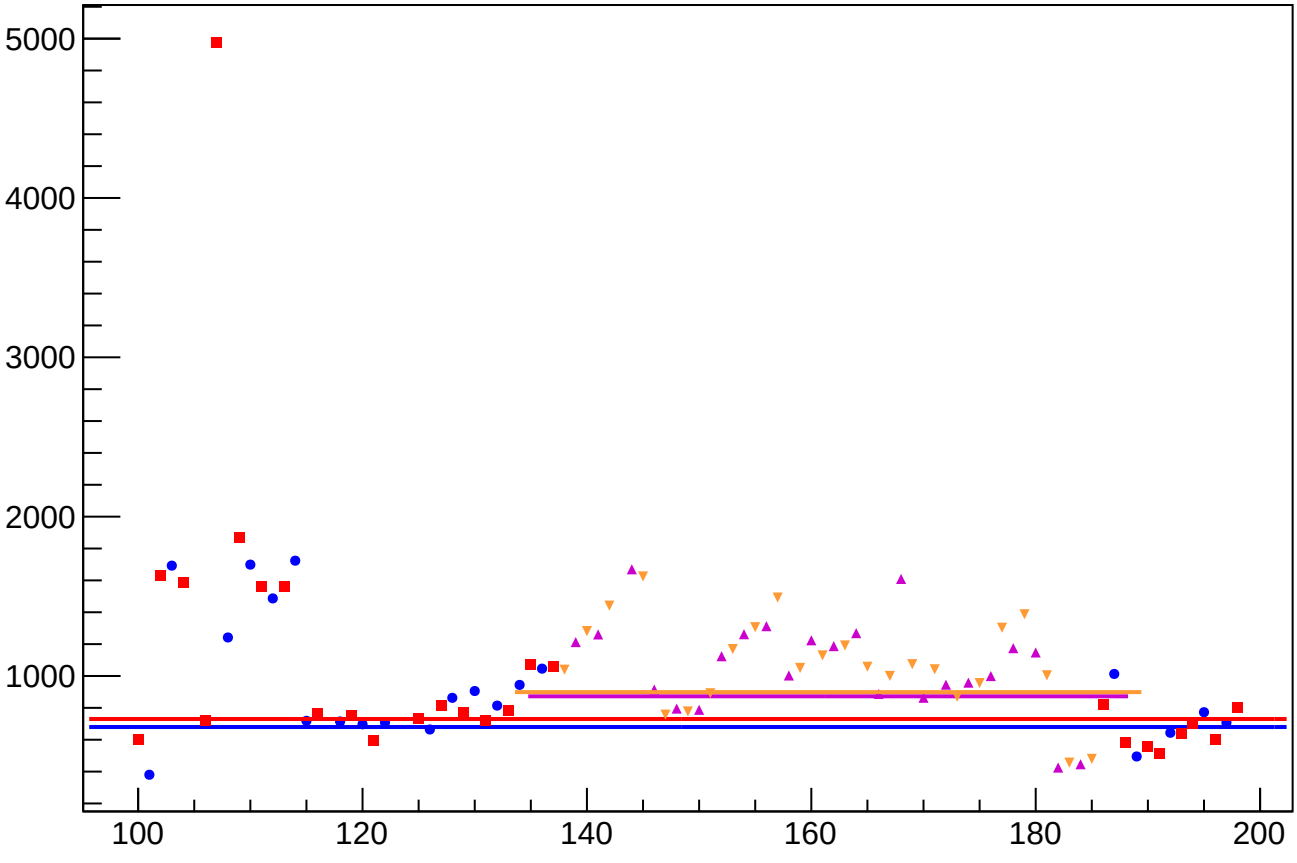
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -237.500+/-157.864 χ^2/NDF: 60.2/44

All: 26.972+/-110.542 χ^2/NDF: 109.6/93

- sign 281.411+/-154.841 χ^2/NDF: 43.9/48

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 679.675+/-0.159 χ^2/NDF: 2656429.2/20

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 730.165+/-0.155 χ^2/NDF: 2549207.9/25

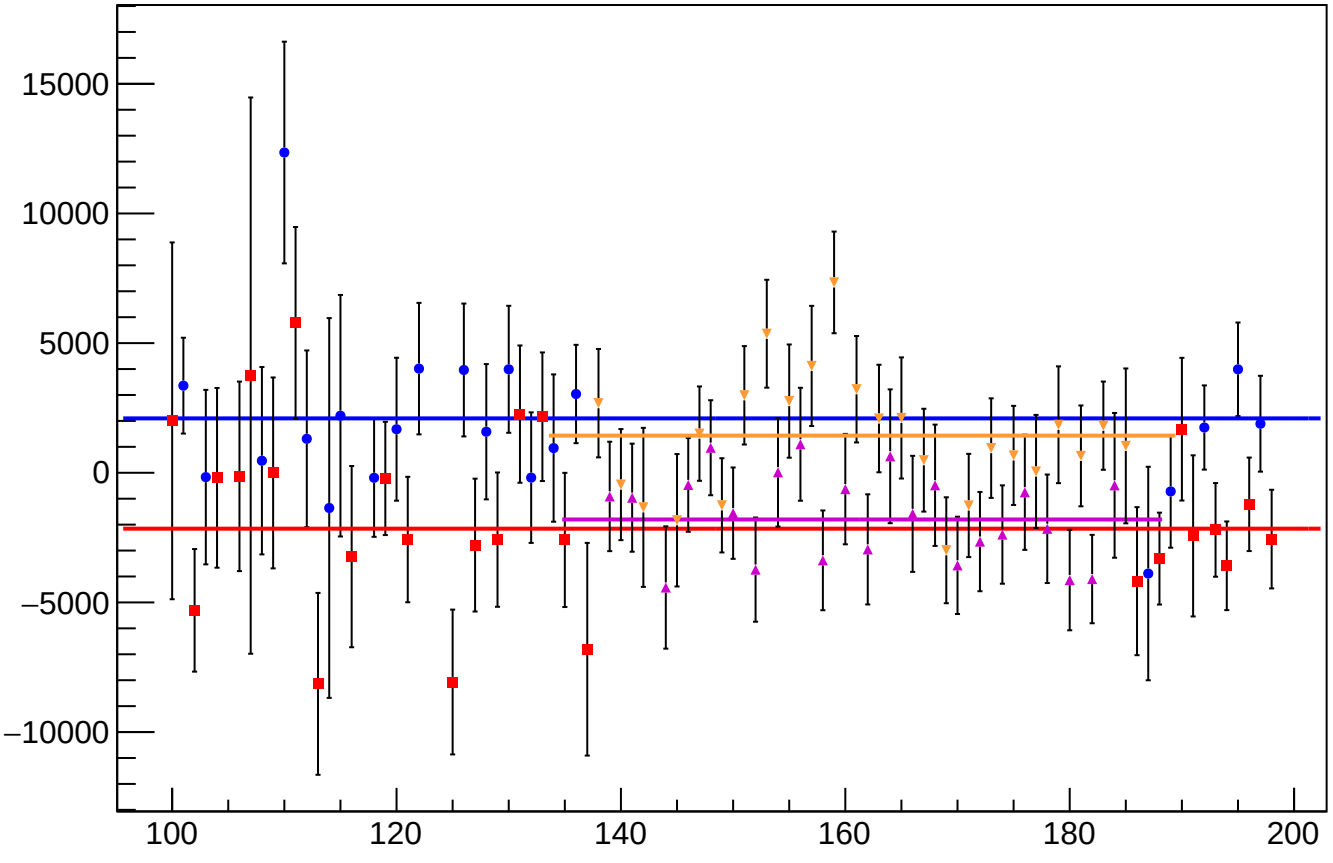
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 790.716+/-0.112 χ^2/NDF: 7411592.8/44

All: 796.286+/-0.078 χ^2/NDF: 14823540.3/93

- sign 801.645+/-0.109 χ^2/NDF: 7407061.9/48

asym_usl_atl1_avg_mean vs Slug



Right In: 2097.344+/-540.761 χ^2/NDF: 16.1/20

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2156.364+/-505.625 χ^2/NDF: 27.4/25

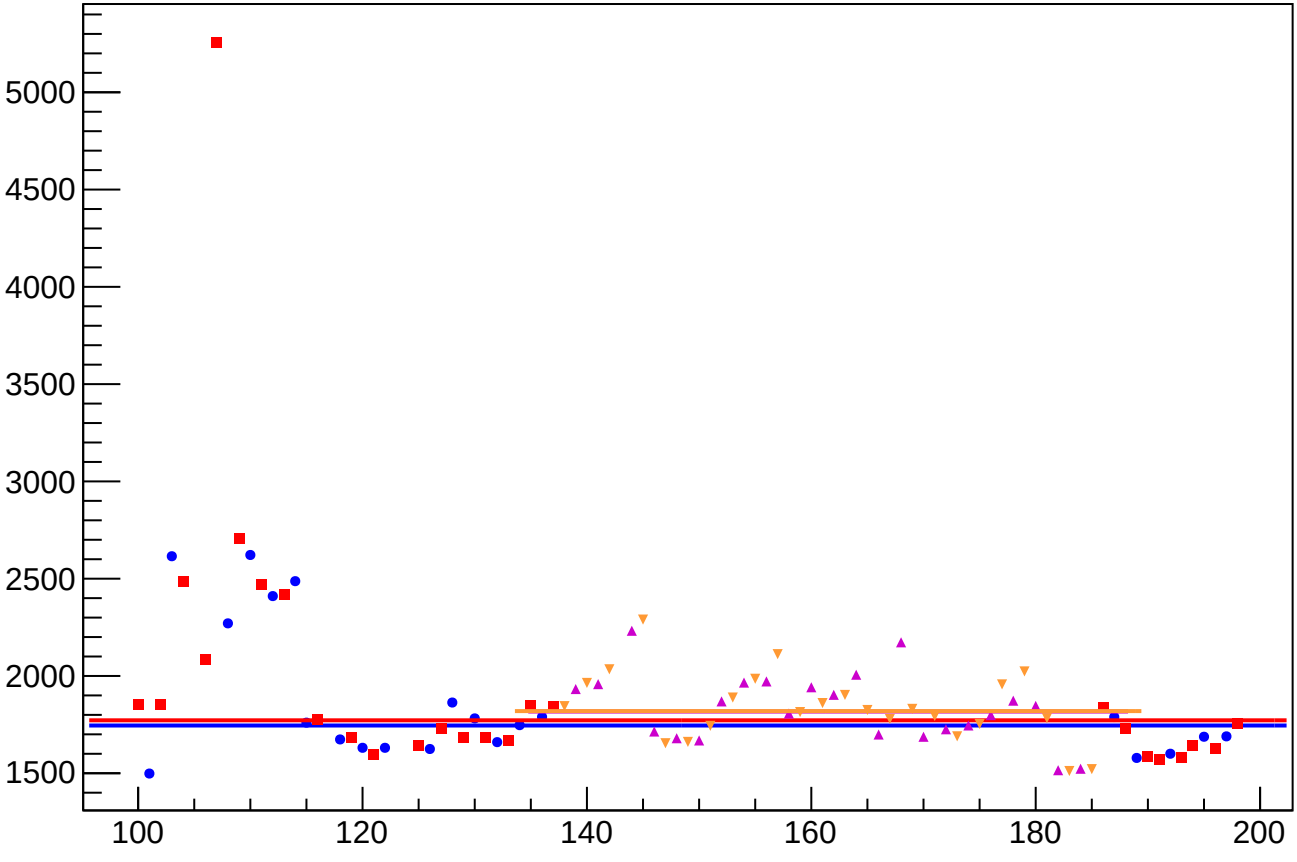
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1686.468+/-333.890 χ^2/NDF: 46.4/44

All: -174.745+/-233.257 χ^2/NDF: 150.2/93

- sign -1949.043+/-326.001 χ^2/NDF: 43.0/48

asym_usl_atl1_avg_rms vs Slug



Right In: 1745.352+/-0.382 χ^2/NDF: 446232.0/20

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1772.077+/-0.358 χ^2/NDF: 678226.2/25

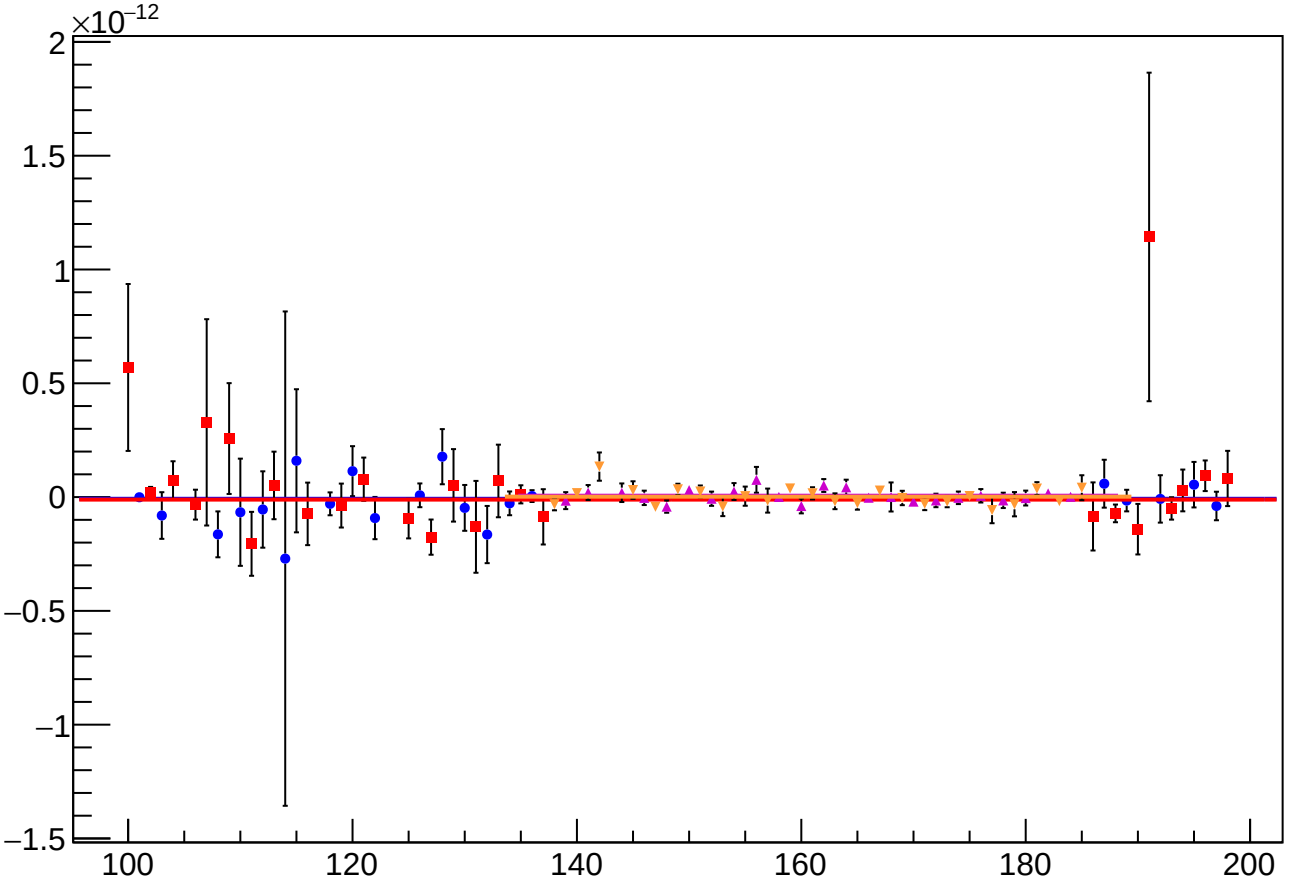
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1791.181+/-0.236 χ^2/NDF: 764462.4/44

All: 1794.881+/-0.165 χ^2/NDF: 1759554.4/93

- sign 1798.408+/-0.231 χ^2/NDF: 994612.3/48

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

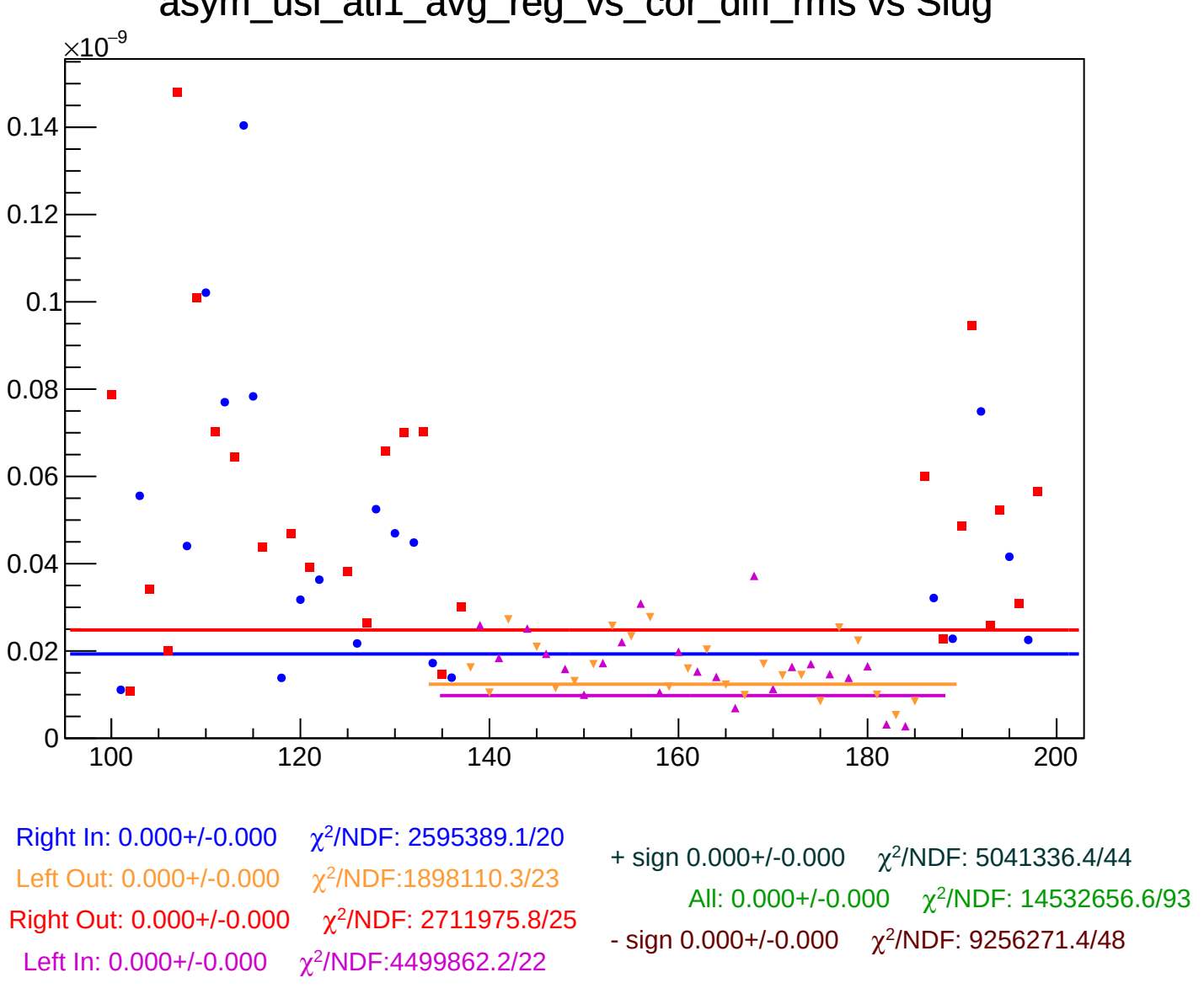
Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/25

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

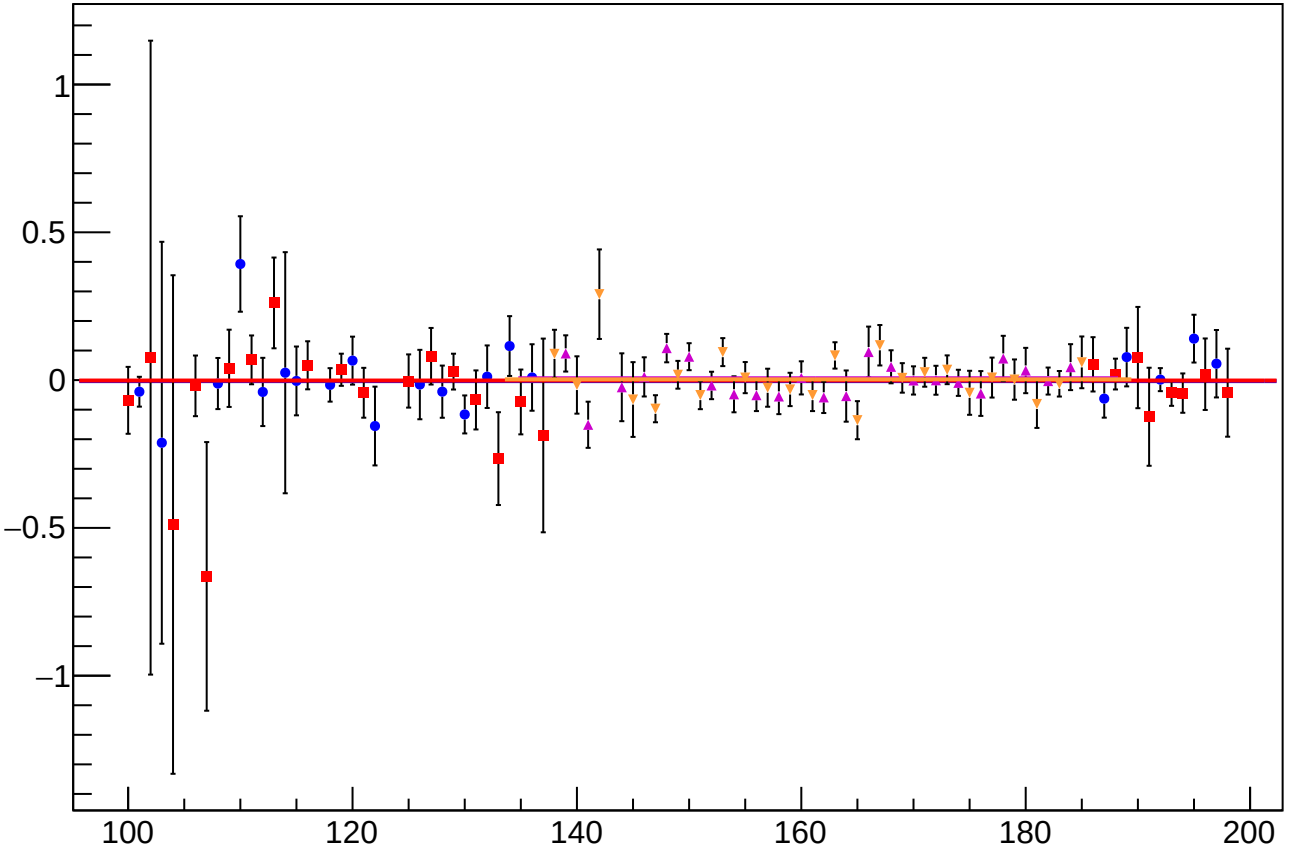
+ sign 0.000+/-0.000 χ^2/NDF: 41.1/44

All: 0.000+/-0.000 χ^2/NDF: 88.2/93

- sign 0.000+/-0.000 χ^2/NDF: 46.7/48


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2595389.1/20
Left Out: 0.000+/-0.000 χ²/NDF:1898110.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2711975.8/25
Left In: 0.000+/-0.000 χ²/NDF:4499862.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5041336.4/44
All: 0.000+/-0.000 χ²/NDF: 14532656.6/93
- sign 0.000+/-0.000 χ²/NDF: 9256271.4/48

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.4/25

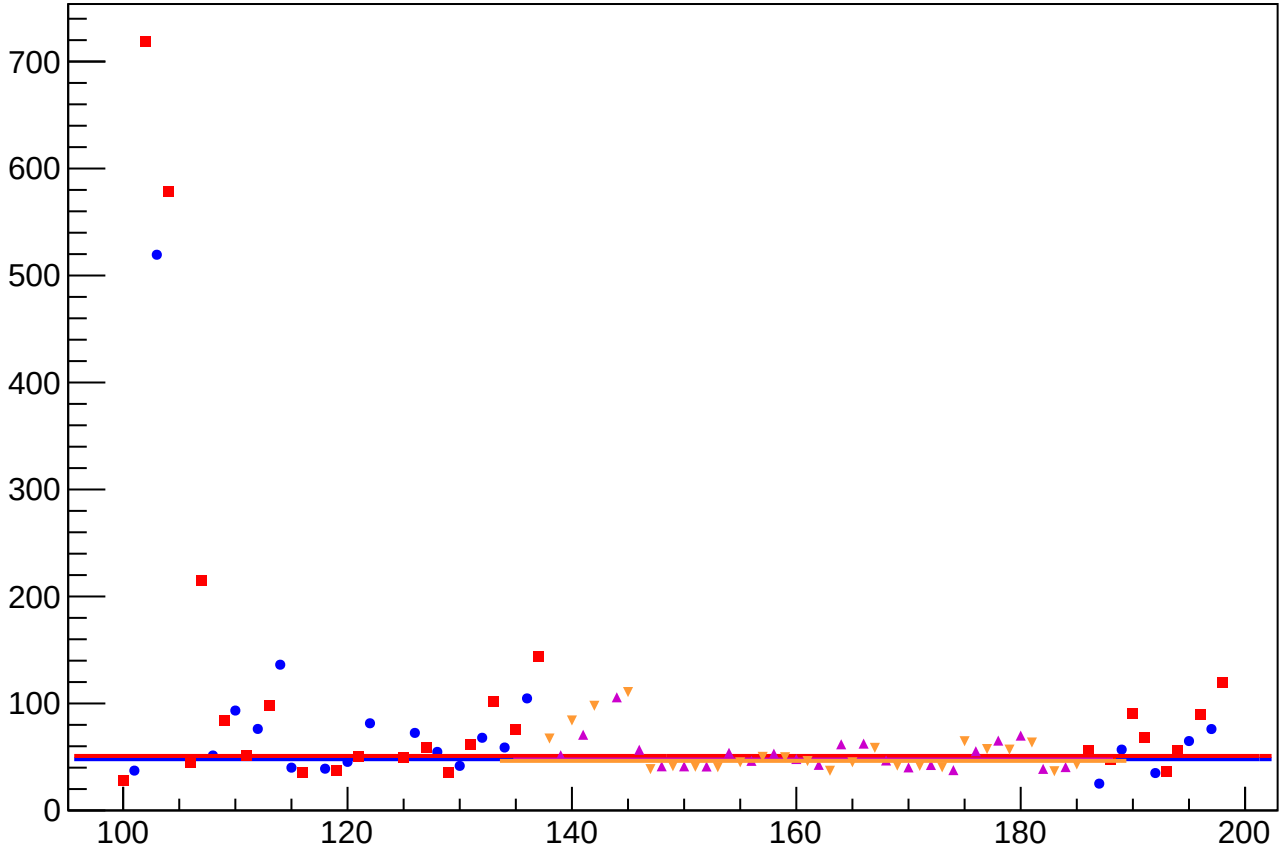
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.010 χ^2/NDF: 48.4/44

All: 0.002+/-0.007 χ^2/NDF: 85.6/93

- sign 0.004+/-0.010 χ^2/NDF: 37.2/48

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 47.908+/-0.013 χ^2/NDF: 3037346.5/20

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 50.948+/-0.012 χ^2/NDF: 4062142.3/25

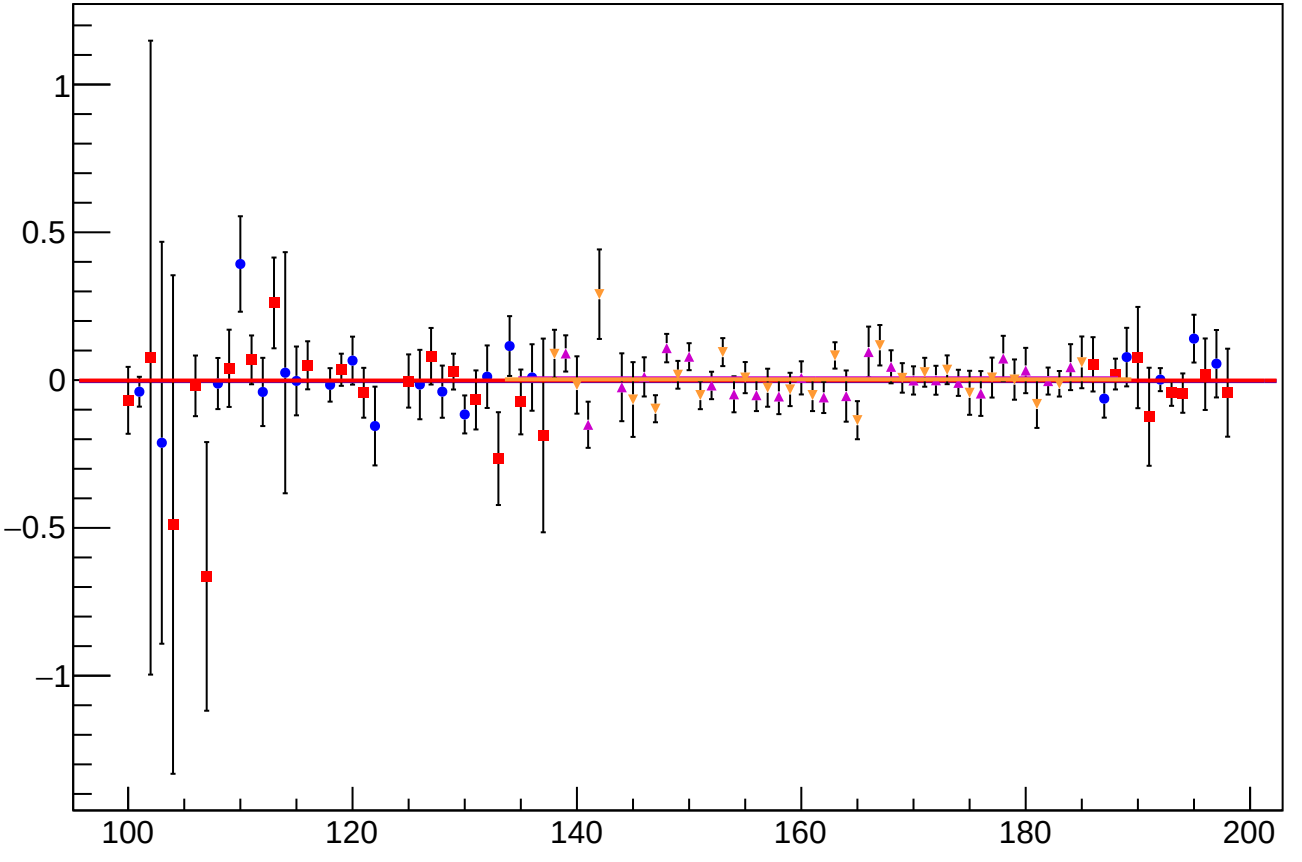
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.836+/-0.007 χ^2/NDF: 5015703.8/44

All: 47.737+/-0.005 χ^2/NDF: 10737395.1/93

- sign 48.659+/-0.007 χ^2/NDF: 5688025.0/48

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.4/25

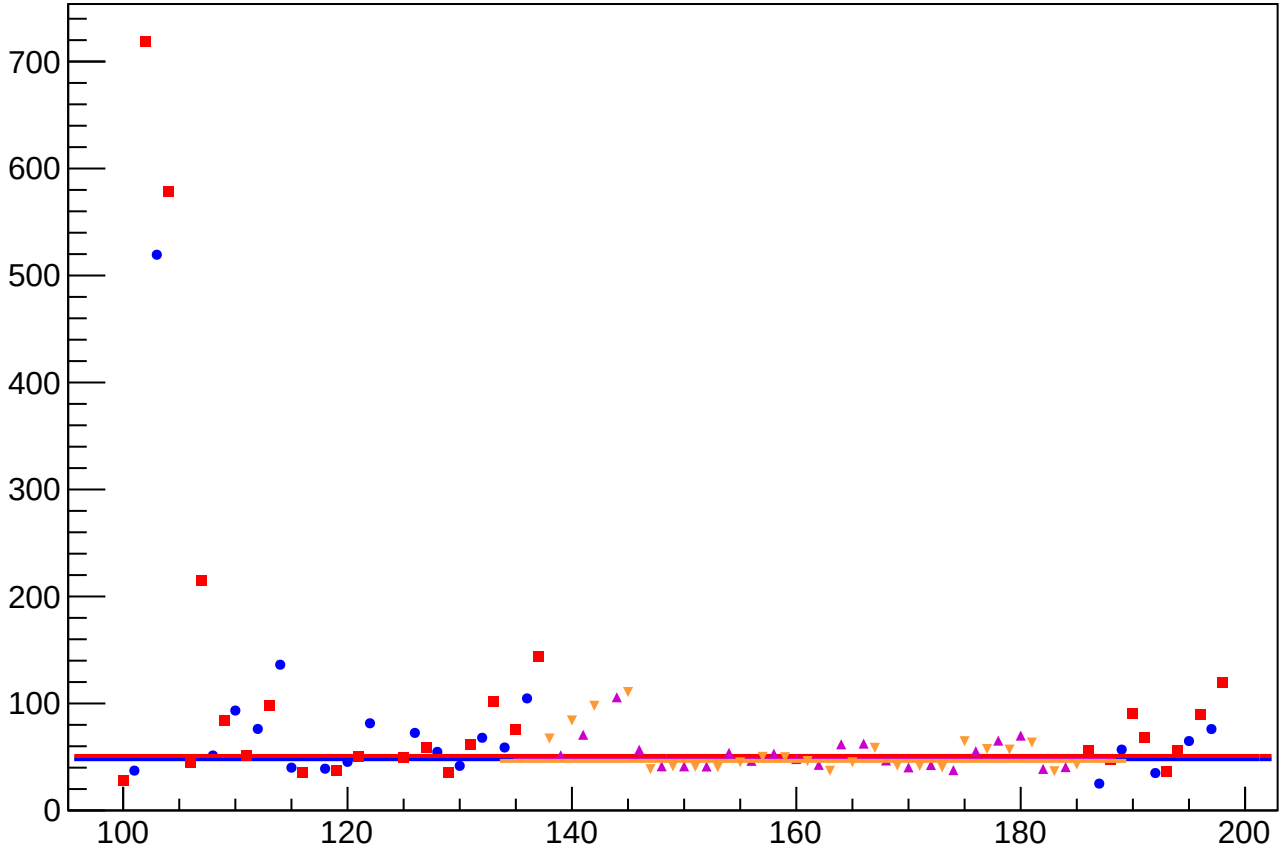
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.010 χ^2/NDF: 48.4/44

All: 0.002+/-0.007 χ^2/NDF: 85.6/93

- sign 0.004+/-0.010 χ^2/NDF: 37.2/48

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.908+/-0.013 χ^2/NDF: 3037346.5/20

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

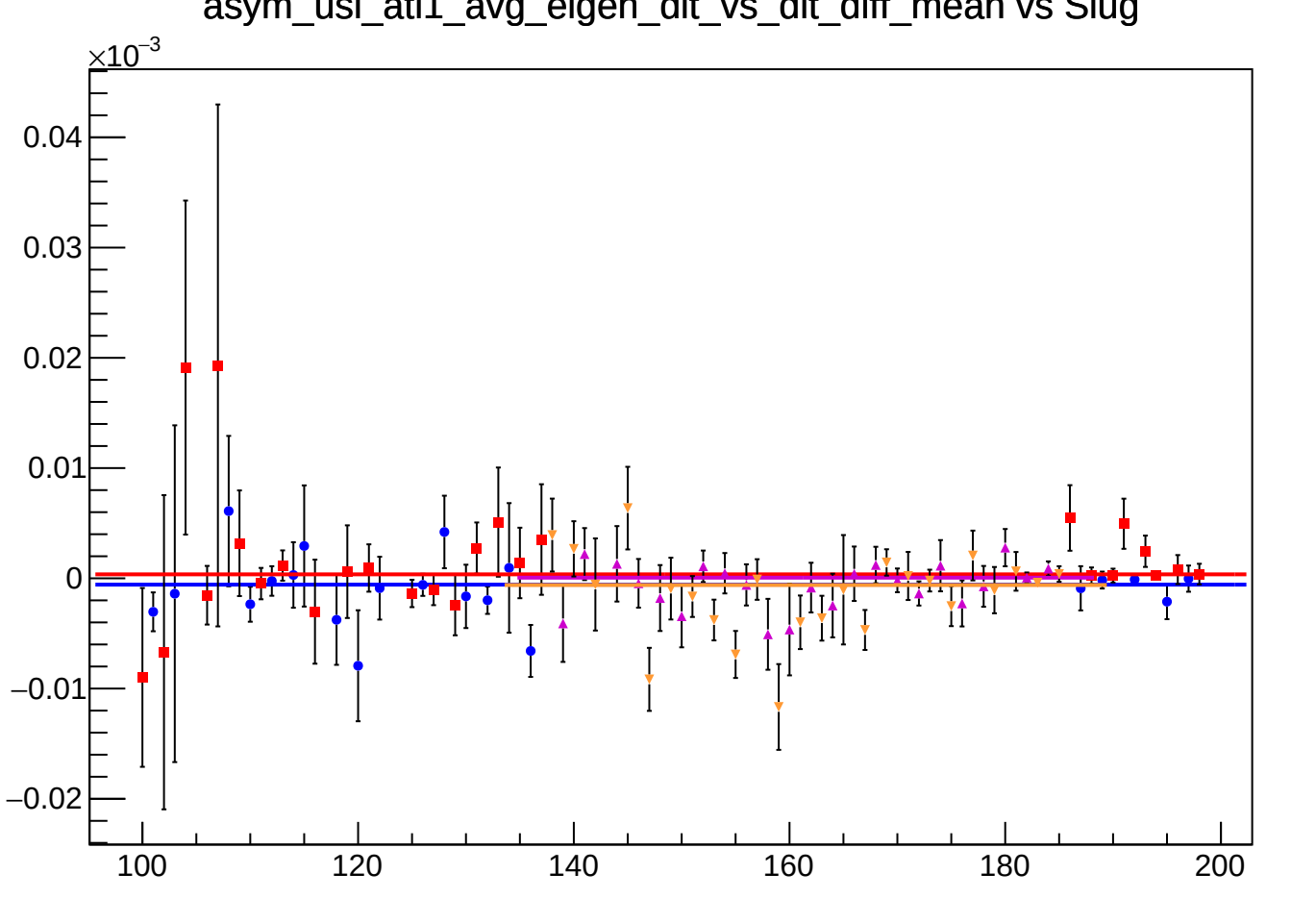
Right Out: 50.948+/-0.012 χ^2/NDF: 4062142.3/25

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

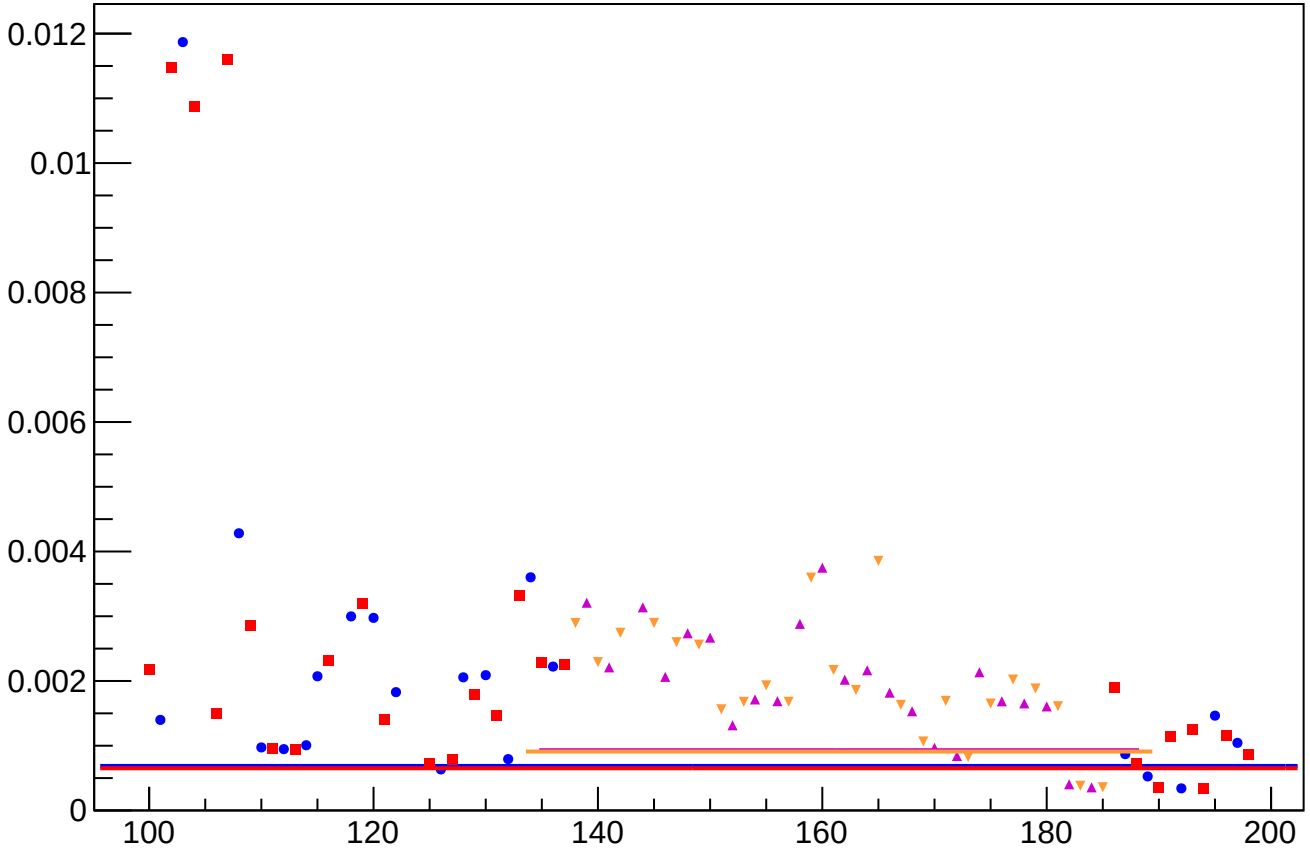
+ sign 46.836+/-0.007 χ^2/NDF: 5015703.8/44

All: 47.737+/-0.005 χ^2/NDF: 10737395.1/93

- sign 48.659+/-0.007 χ^2/NDF: 5688025.0/48


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.4/20
Left Out: -0.000+/-0.000 χ²/NDF:54.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 21.8/25
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 74.3/44
All: -0.000+/-0.000 χ²/NDF: 124.0/93
- sign 0.000+/-0.000 χ²/NDF: 40.4/48

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7995035.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9588504.6/25

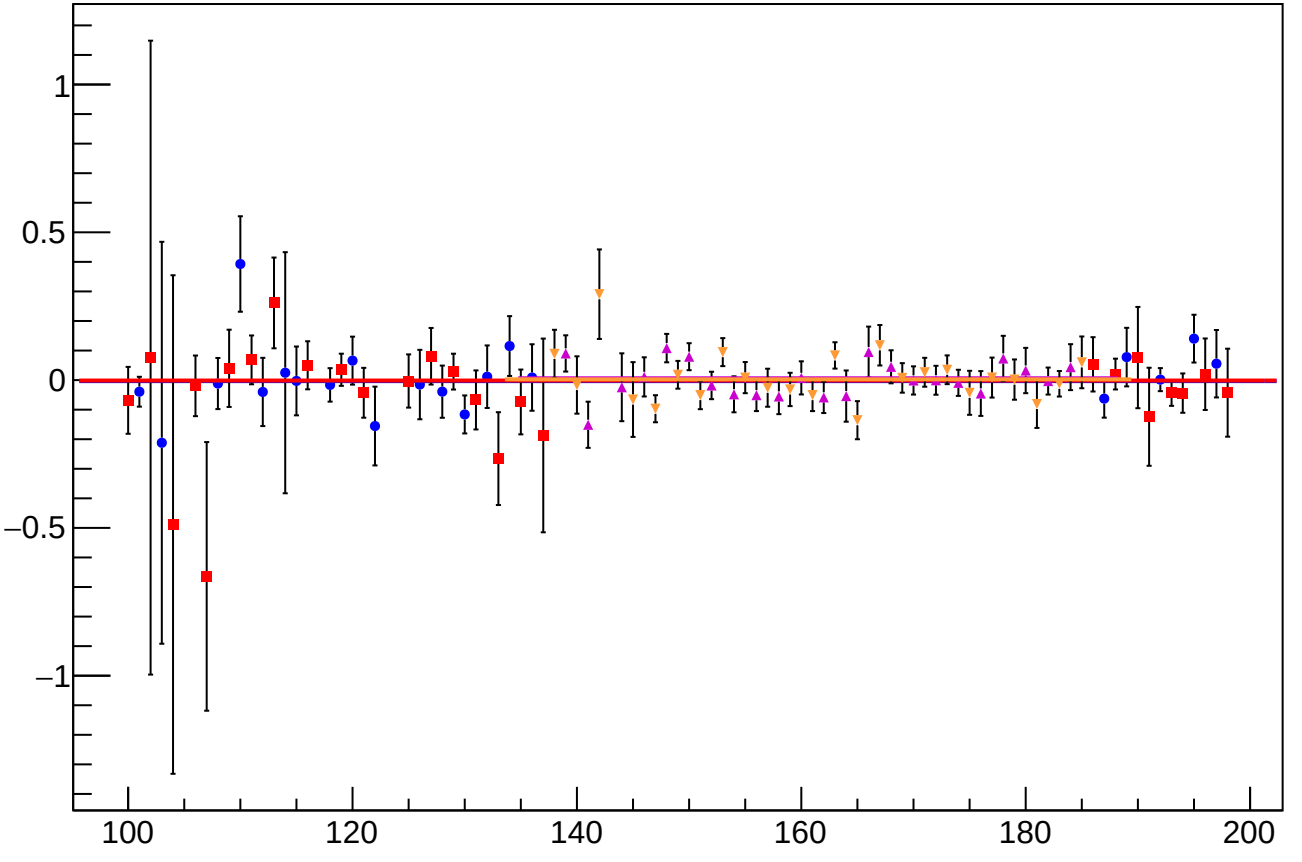
Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 22770631.2/44

All: 0.001+/-0.000 χ^2/NDF: 47201981.9/93

- sign 0.001+/-0.000 χ^2/NDF: 24407394.8/48

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.4/25

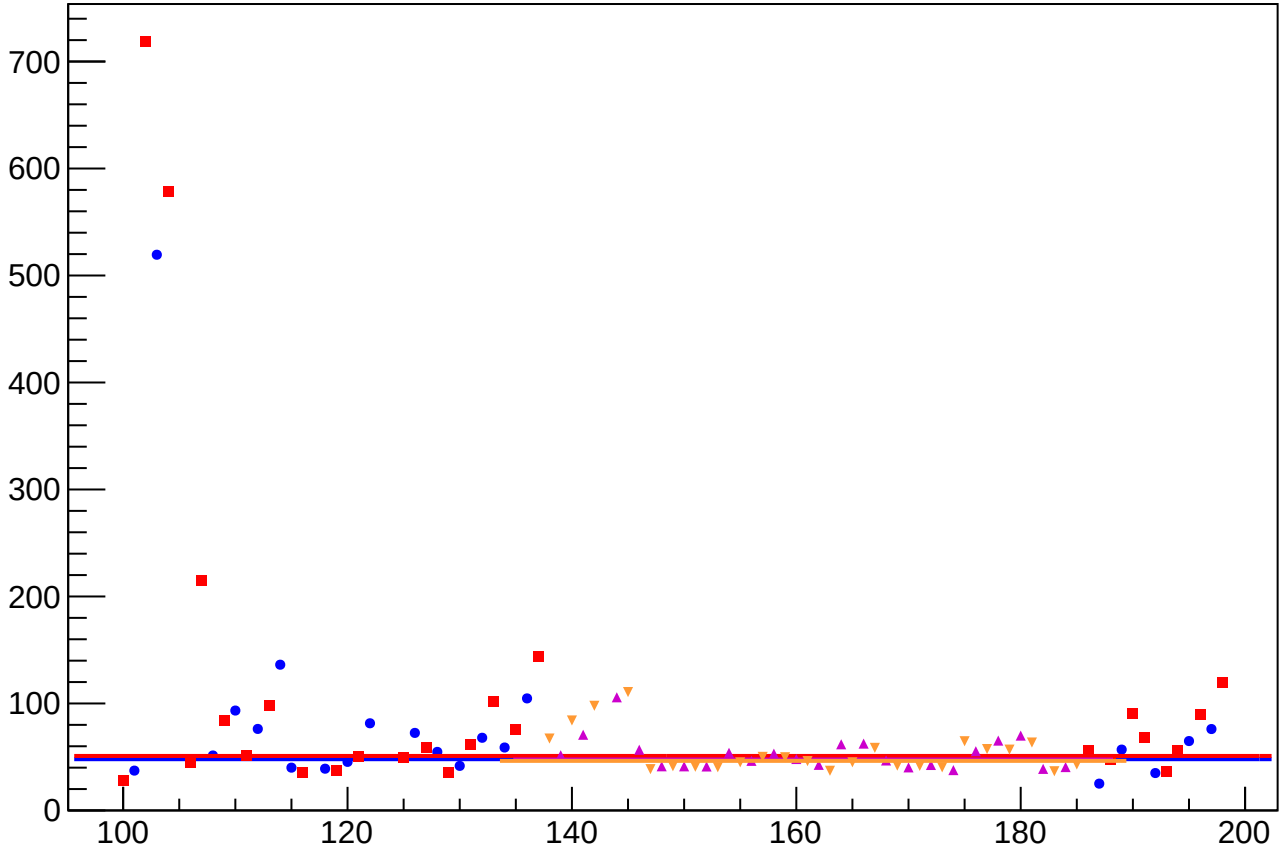
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.010 χ^2/NDF: 48.4/44

All: 0.002+/-0.007 χ^2/NDF: 85.6/93

- sign 0.004+/-0.010 χ^2/NDF: 37.2/48

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.908+/-0.013 χ^2/NDF: 3037347.2/20

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

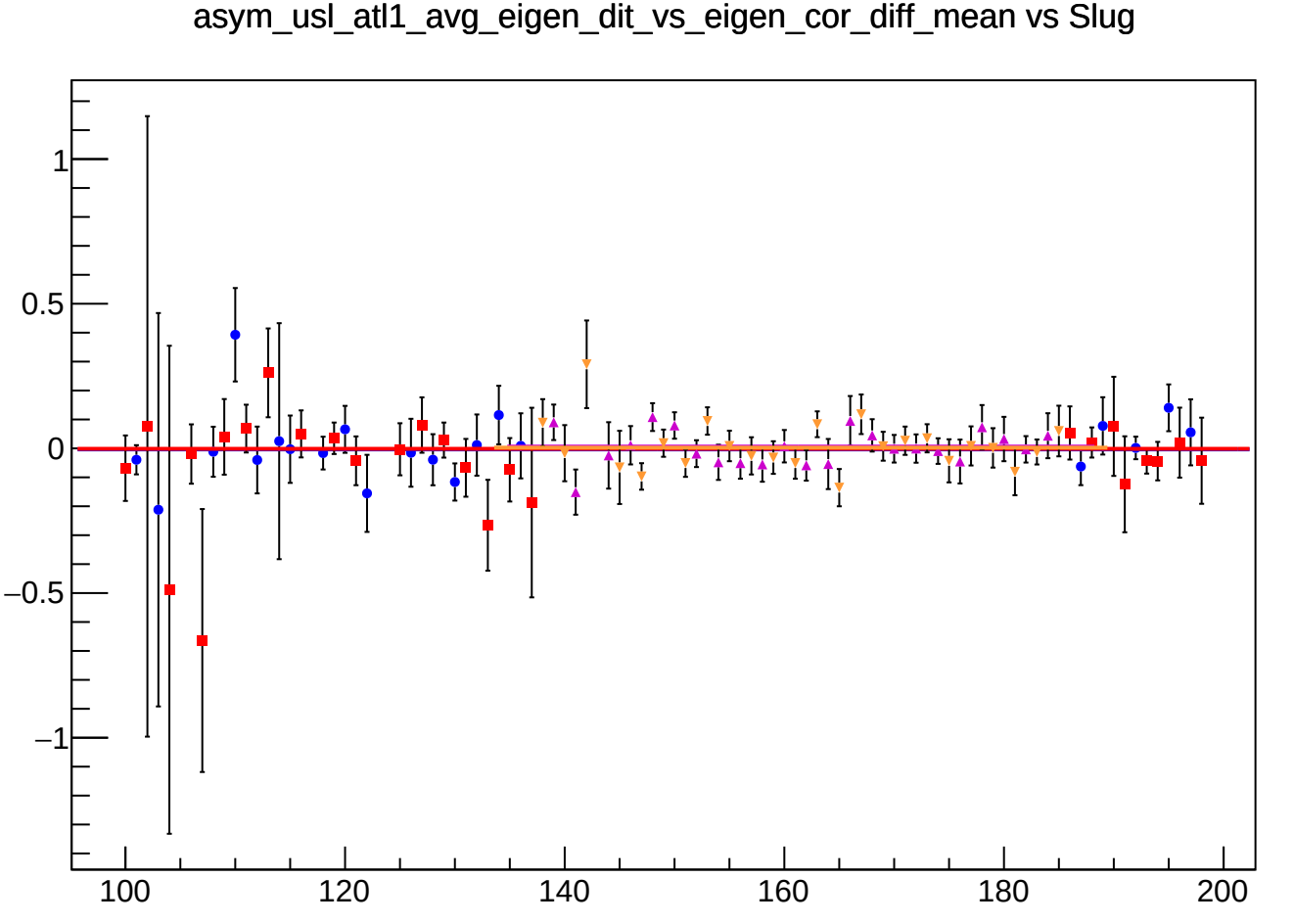
Right Out: 50.948+/-0.012 χ^2/NDF: 4062149.5/25

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.836+/-0.007 χ^2/NDF: 5015689.3/44

All: 47.737+/-0.005 χ^2/NDF: 10737381.9/93

- sign 48.659+/-0.007 χ^2/NDF: 5688030.9/48



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

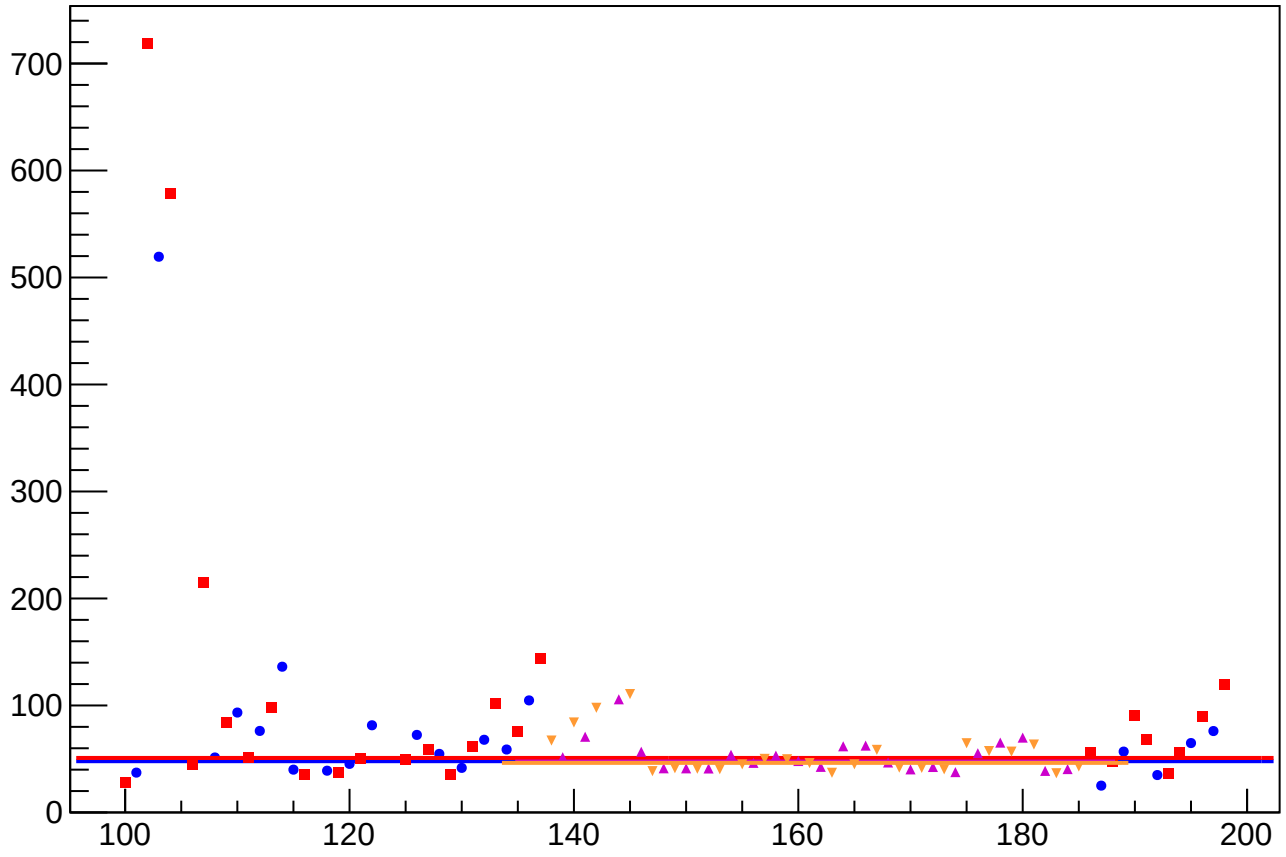
Right Out: -0.001+/-0.018 χ^2/NDF: 15.4/25

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.010 χ^2/NDF: 48.4/44

All: 0.002+/-0.007 χ^2/NDF: 85.6/93

- sign 0.004+/-0.010 χ^2/NDF: 37.2/48



Right In: 47.908+/-0.013 χ^2/NDF: 3037347.2/20

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

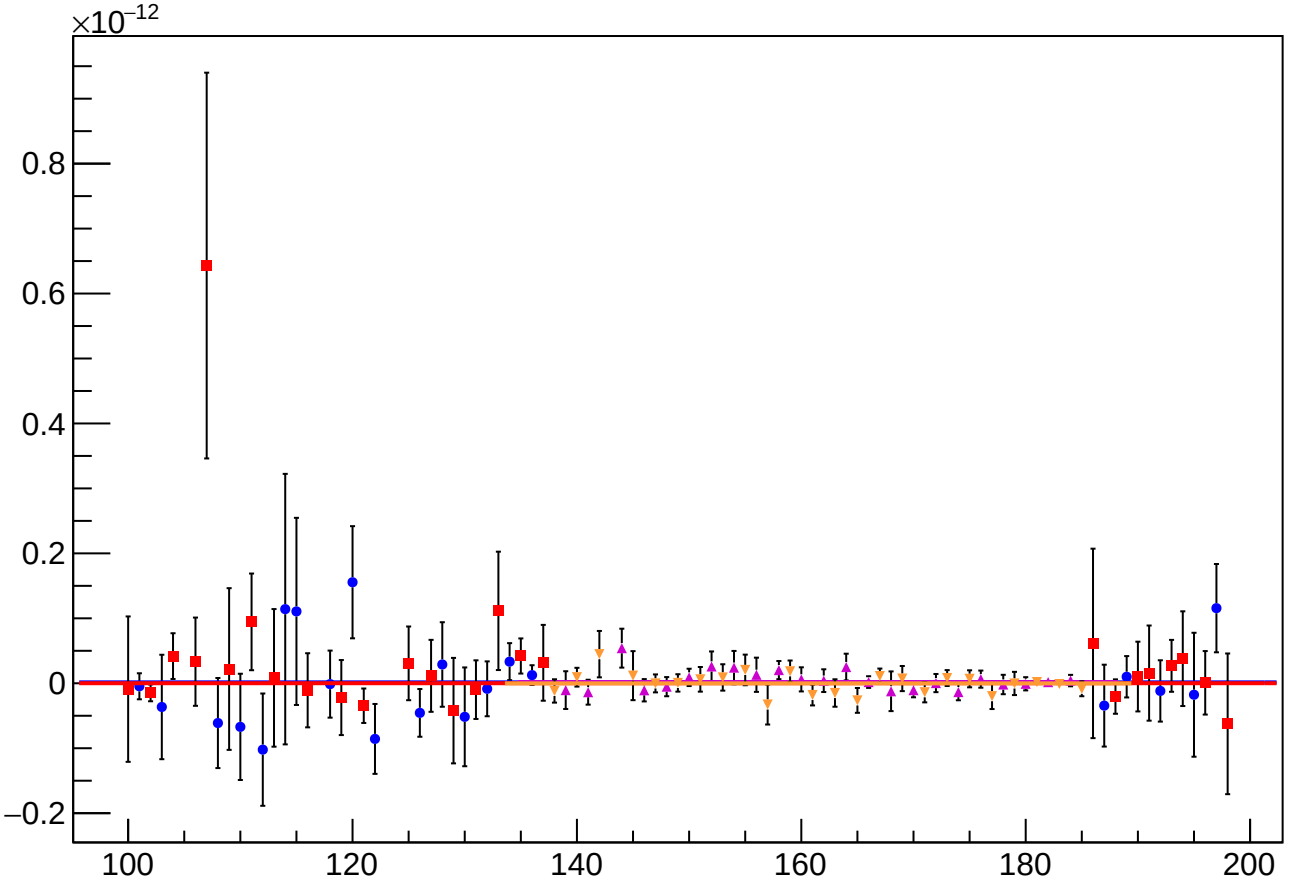
Right Out: 50.948+/-0.012 χ^2/NDF: 4062149.5/25

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.836+/-0.007 χ^2/NDF: 5015689.3/44

All: 47.737+/-0.005 χ^2/NDF: 10737381.9/93

- sign 48.659+/-0.007 χ^2/NDF: 5688030.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

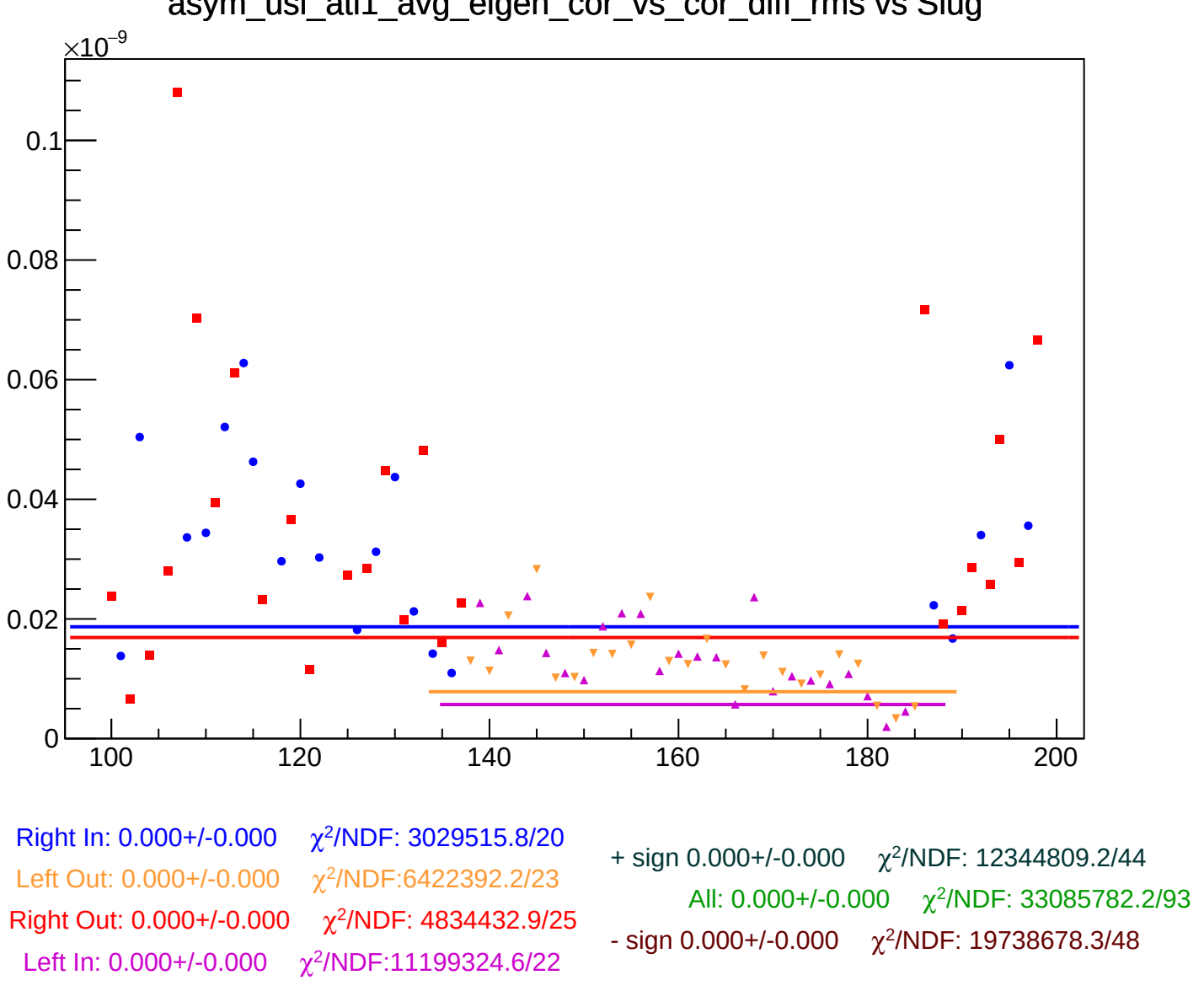
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/25

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

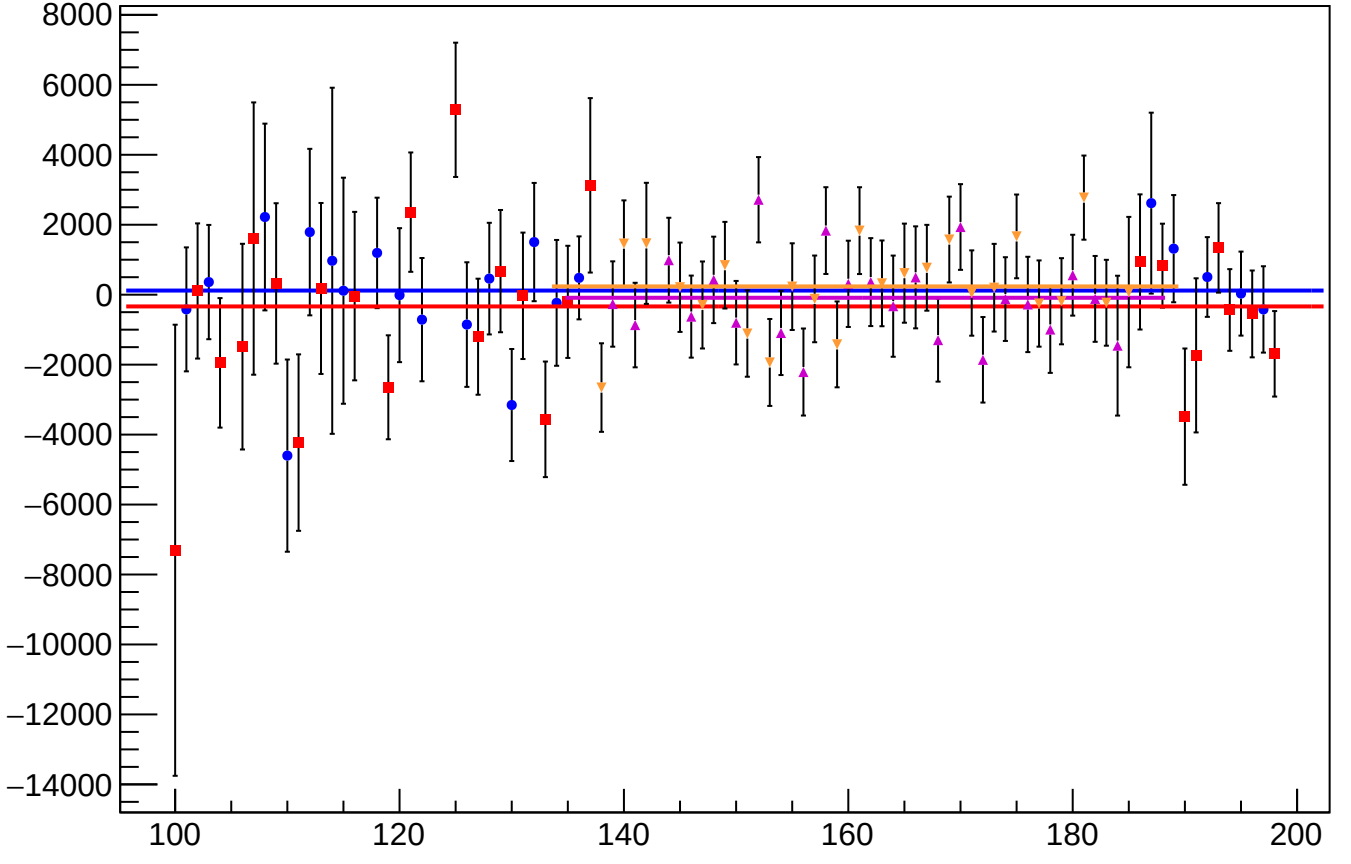
+ sign 0.000+/-0.000 χ^2/NDF: 31.3/44

All: 0.000+/-0.000 χ^2/NDF: 63.0/93

- sign 0.000+/-0.000 χ^2/NDF: 31.3/48


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 3029515.8/20
Left Out: 0.000+/-0.000 χ²/NDF:6422392.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 4834432.9/25
Left In: 0.000+/-0.000 χ²/NDF:11199324.6/22
+ sign 0.000+/-0.000 χ²/NDF: 12344809.2/44
All: 0.000+/-0.000 χ²/NDF: 33085782.2/93
- sign 0.000+/-0.000 χ²/NDF: 19738678.3/48

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 118.219+/-366.700 χ^2/NDF: 12.1/20

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -335.794+/-342.422 χ^2/NDF: 32.2/25

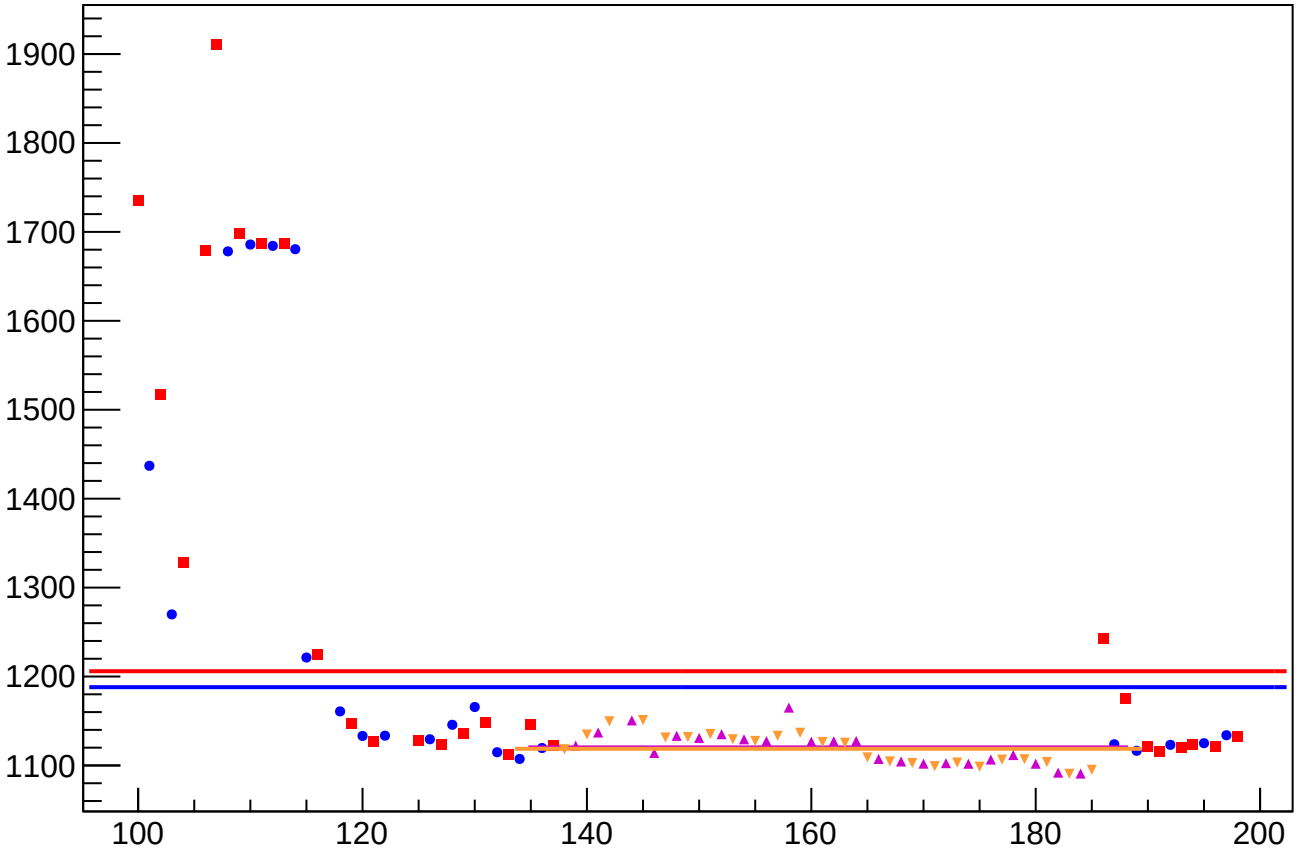
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 197.065+/-211.917 χ^2/NDF: 34.9/44

All: 5.127+/-148.400 χ^2/NDF: 89.9/93

- sign -179.565+/-207.879 χ^2/NDF: 53.4/48

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1188.039+/-0.259 χ^2/NDF: 328433.5/20

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1205.970+/-0.242 χ^2/NDF: 510350.8/25

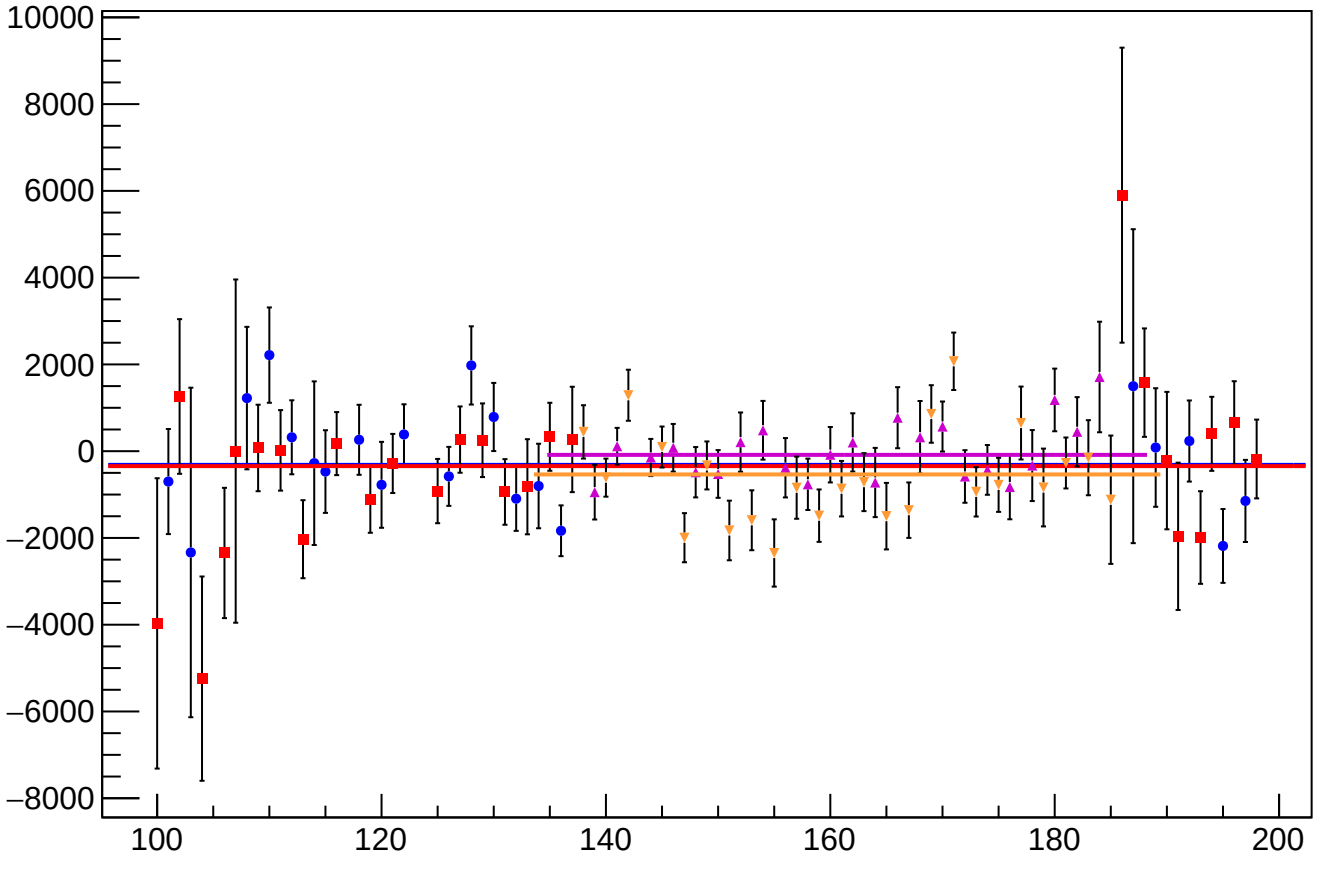
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.879+/-0.150 χ^2/NDF: 384219.5/44

All: 1146.975+/-0.105 χ^2/NDF: 985354.9/93

- sign 1151.879+/-0.147 χ^2/NDF: 598865.9/48

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -316.144+/-202.496 χ^2/NDF: 31.8/20

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -344.538+/-195.786 χ^2/NDF: 27.9/25

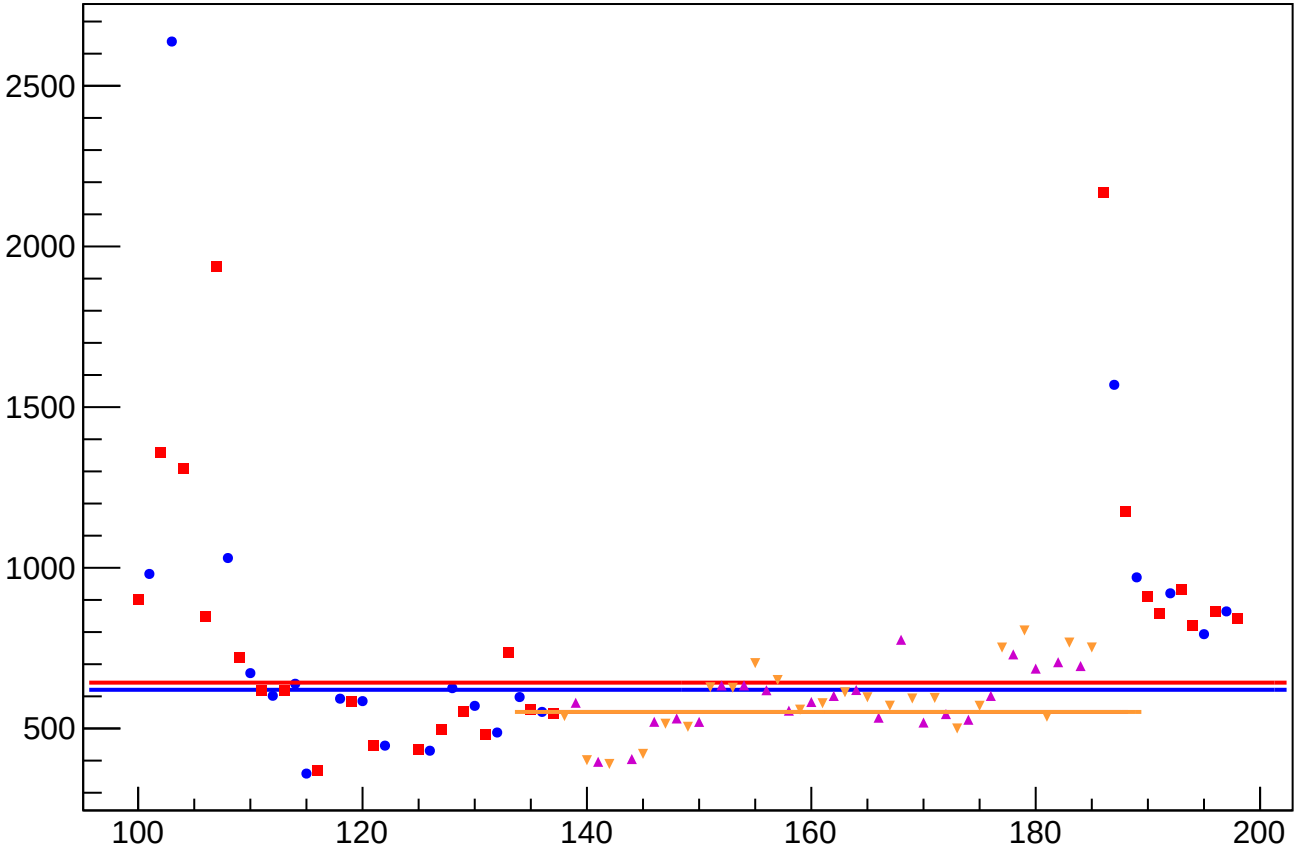
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -471.310+/-109.781 χ^2/NDF: 94.2/44

All: -317.066+/-77.298 χ^2/NDF: 144.4/93

- sign -165.408+/-108.857 χ^2/NDF: 46.3/48

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 620.352+/-0.143 χ^2/NDF: 2098910.0/20

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 642.634+/-0.138 χ^2/NDF: 2910483.3/25

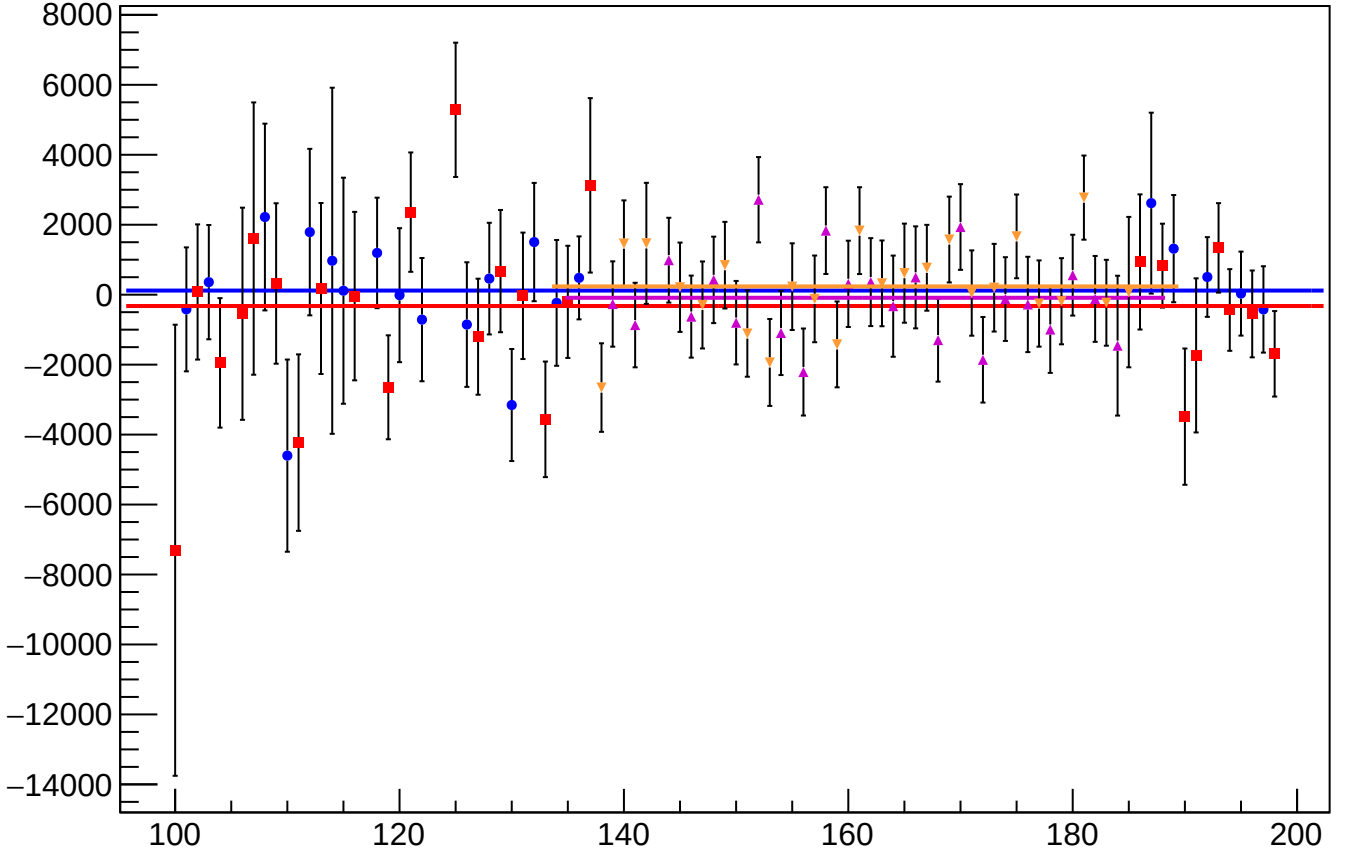
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 571.694+/-0.078 χ^2/NDF: 3489073.6/44

All: 575.660+/-0.055 χ^2/NDF: 7766952.2/93

- sign 579.559+/-0.077 χ^2/NDF: 4272702.1/48

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 118.073+/-366.700 χ^2/NDF: 12.1/20

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -323.830+/-342.562 χ^2/NDF: 32.0/25

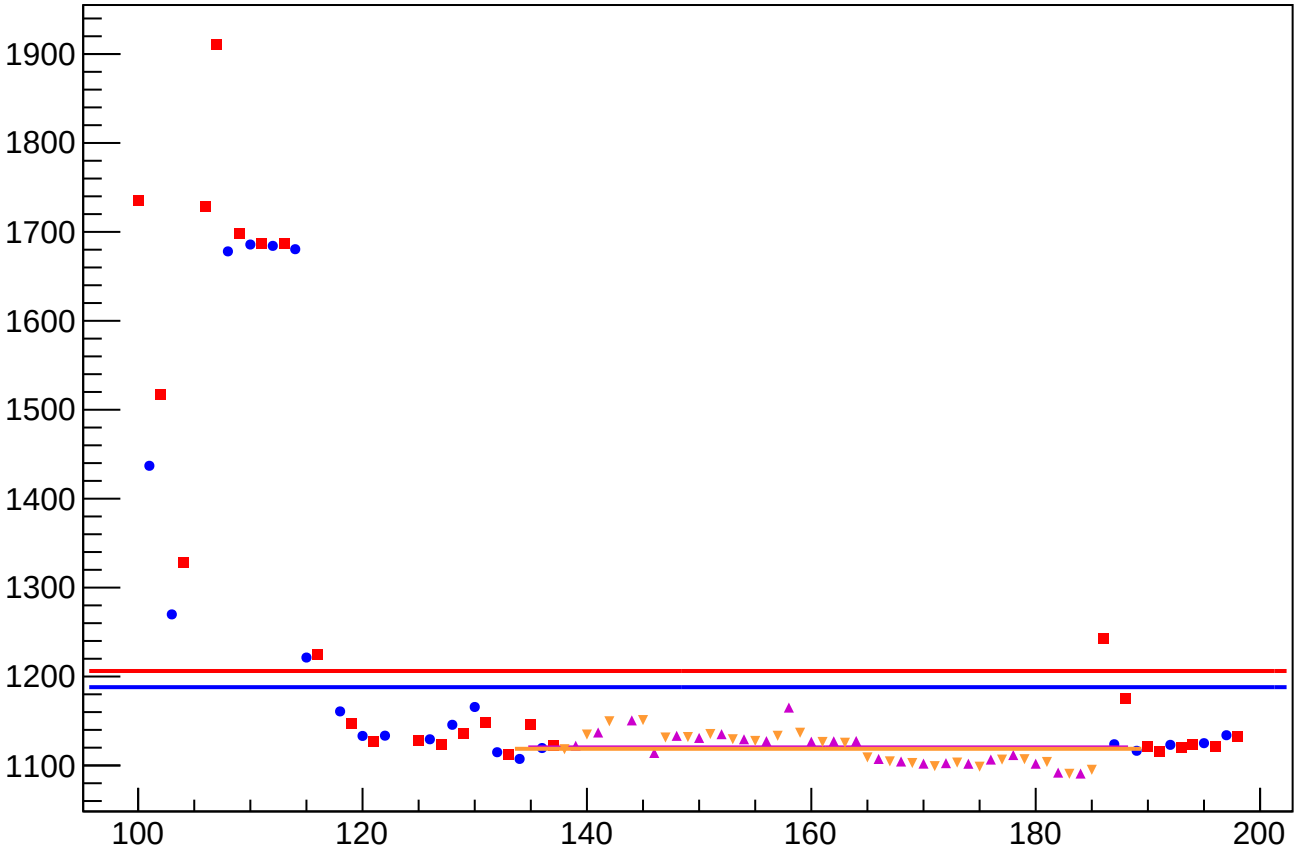
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 197.043+/-211.917 χ^2/NDF: 34.9/44

All: 7.418+/-148.411 χ^2/NDF: 89.6/93

- sign -175.104+/-207.910 χ^2/NDF: 53.2/48

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1188.039+/-0.259 χ^2/NDF: 328433.5/20

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1206.223+/-0.242 χ^2/NDF: 518066.0/25

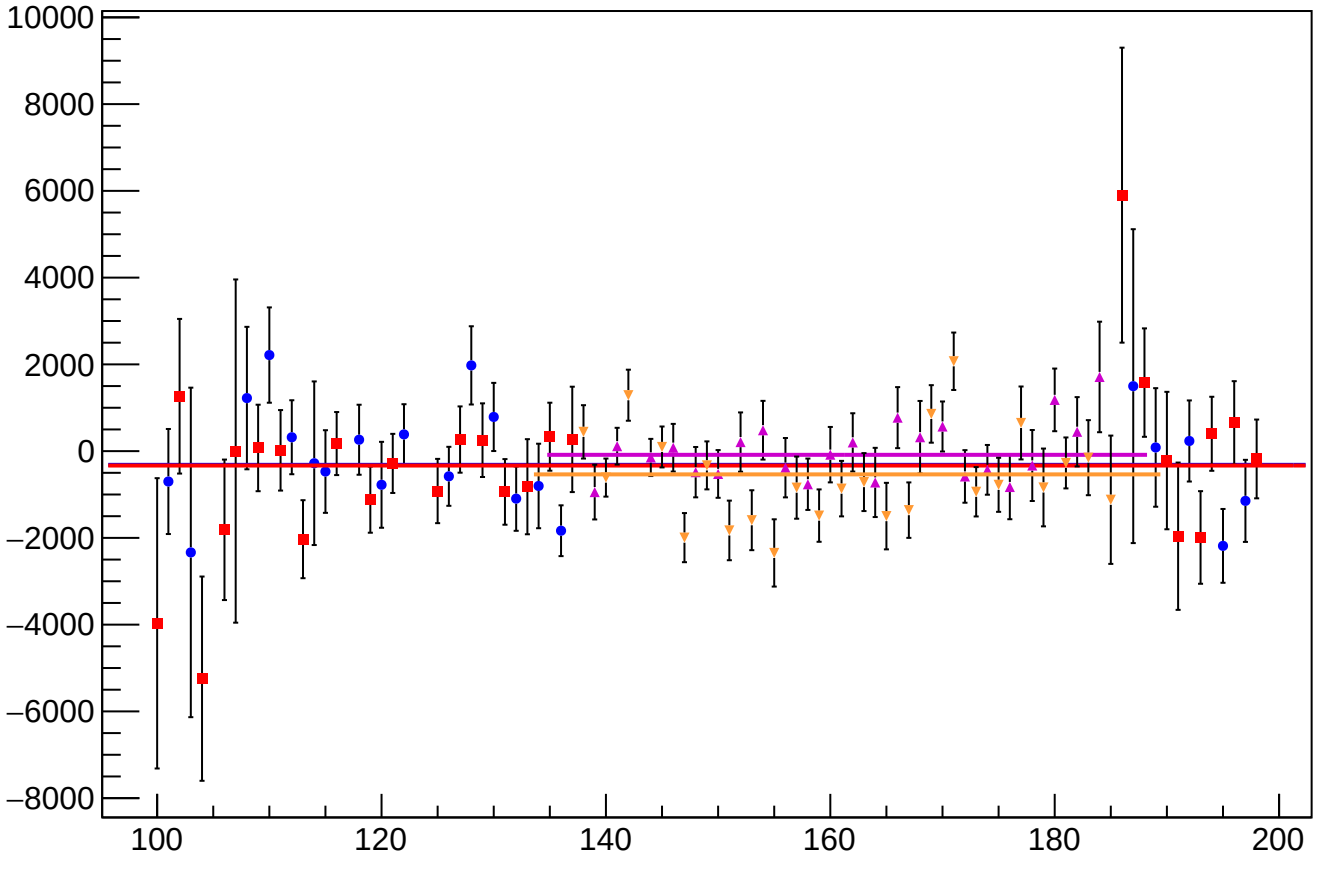
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.879+/-0.150 χ^2/NDF: 384219.5/44

All: 1147.014+/-0.105 χ^2/NDF: 993531.4/93

- sign 1151.956+/-0.147 χ^2/NDF: 607007.7/48

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -316.113+/-202.495 χ^2/NDF: 31.8/20

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -331.983+/-196.018 χ^2/NDF: 27.0/25

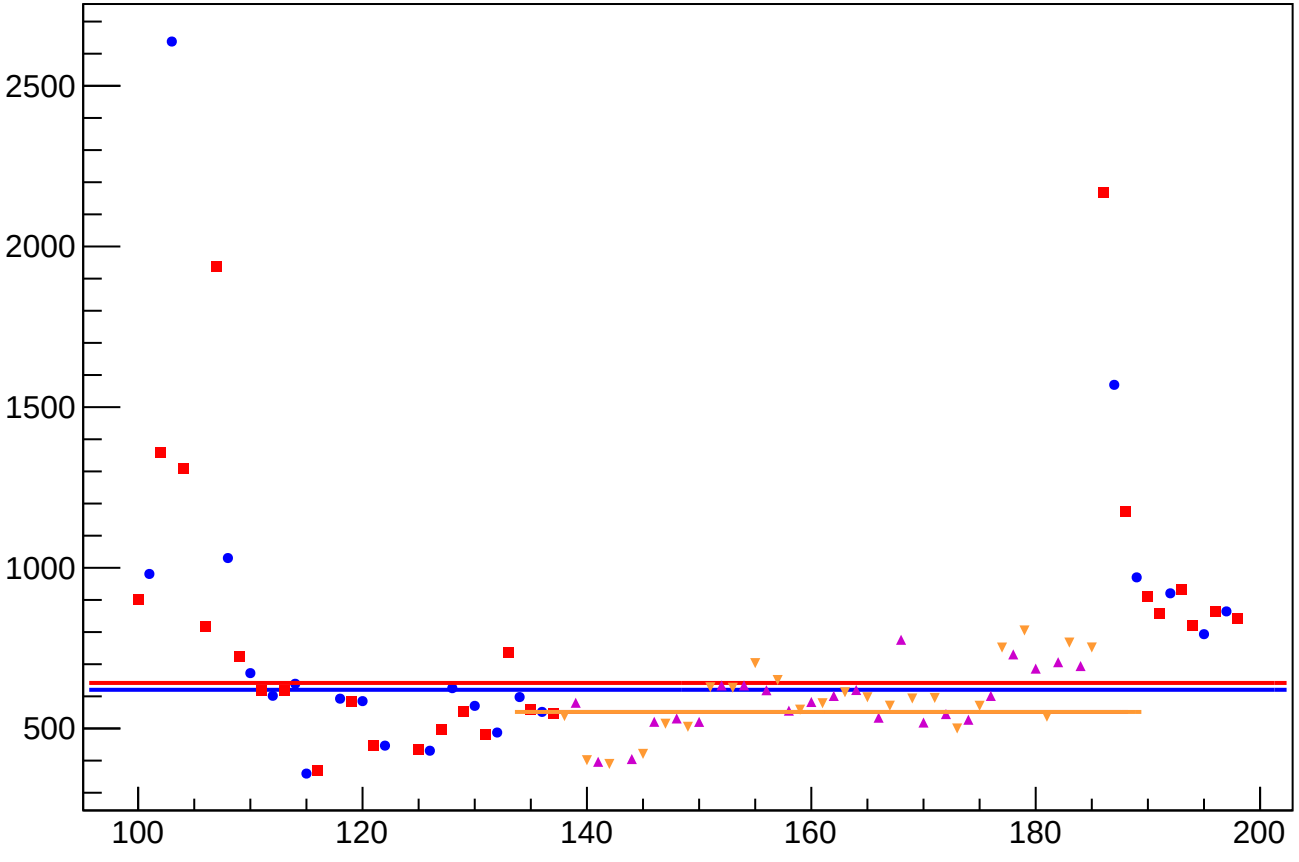
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -471.322+/-109.780 χ^2/NDF: 94.2/44

All: -315.105+/-77.312 χ^2/NDF: 143.5/93

\- sign -161.393+/-108.896 χ^2/NDF: 45.2/48

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 620.347+/-0.143 χ^2/NDF: 2098907.6/20

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 641.685+/-0.139 χ^2/NDF: 2896535.6/25

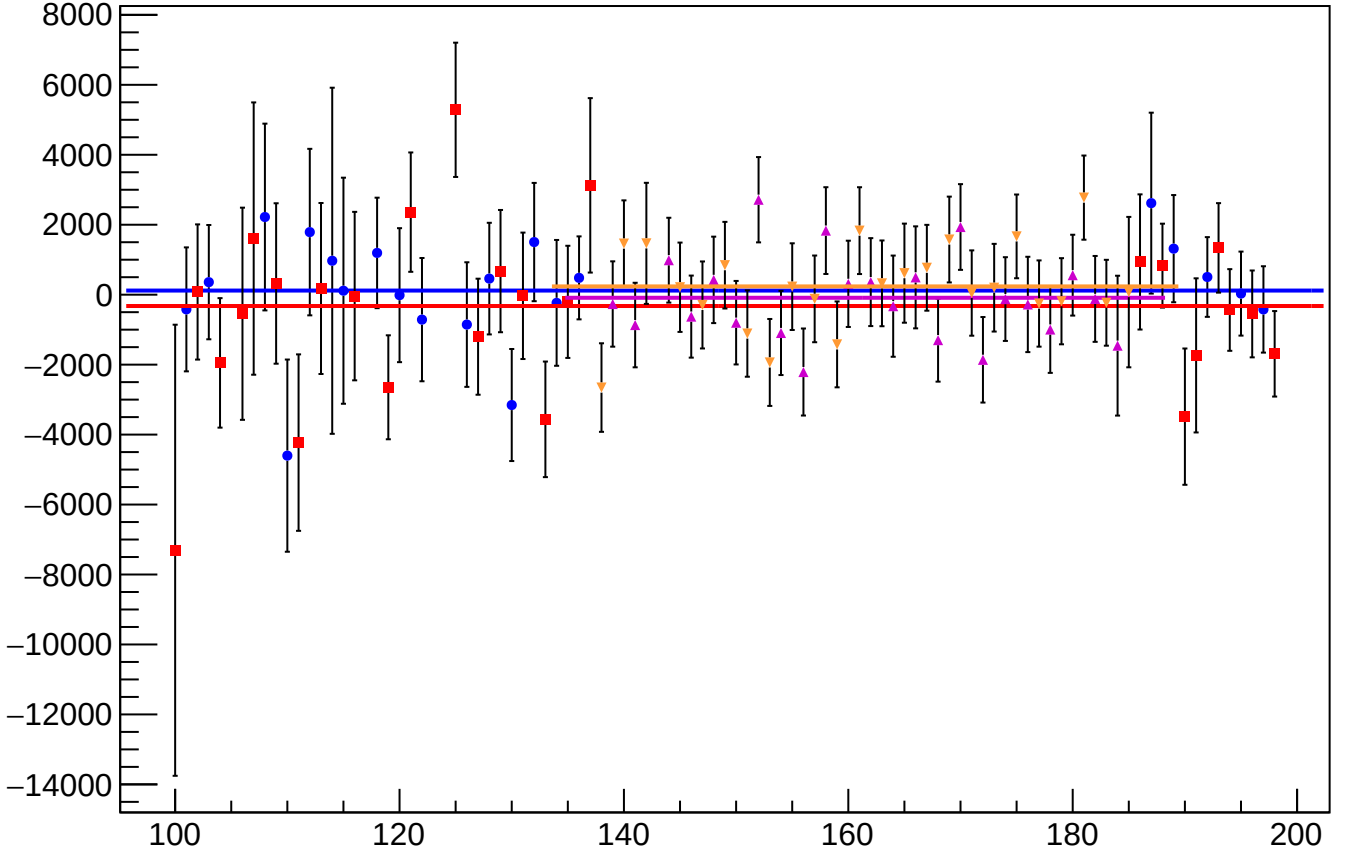
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 571.692+/-0.078 χ^2/NDF: 3489069.7/44

All: 575.487+/-0.055 χ^2/NDF: 7745845.2/93

- sign 579.220+/-0.077 χ^2/NDF: 4252035.9/48

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 118.073+/-366.700 χ^2/NDF: 12.1/20

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -323.830+/-342.562 χ^2/NDF: 32.0/25

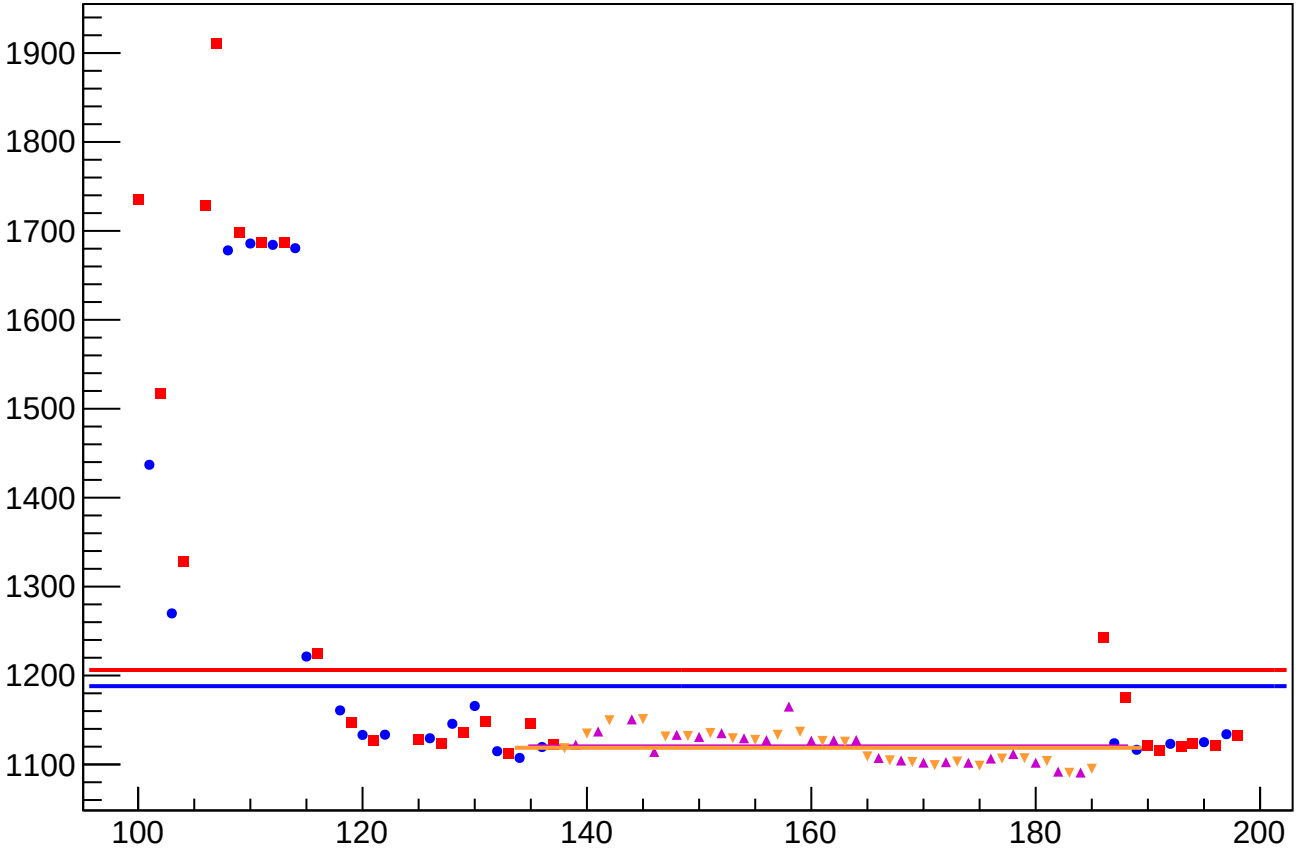
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 197.043+/-211.917 χ^2/NDF: 34.9/44

All: 7.418+/-148.411 χ^2/NDF: 89.6/93

- sign -175.104+/-207.910 χ^2/NDF: 53.2/48

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1188.039+/-0.259 χ^2/NDF: 328433.5/20

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

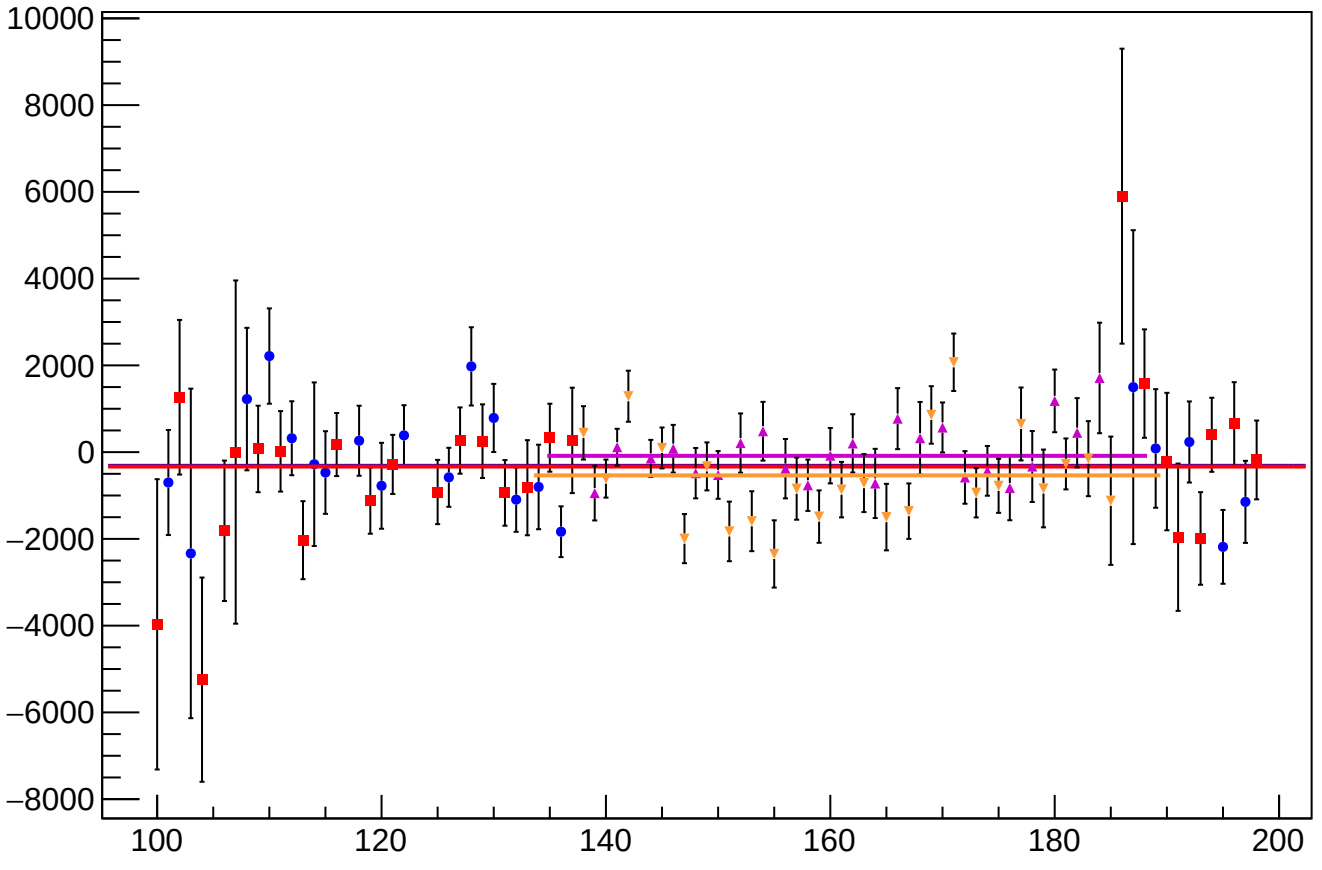
Right Out: 1206.223+/-0.242 χ^2/NDF: 518066.0/25

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.879+/-0.150 χ^2/NDF: 384219.5/44

All: 1147.014+/-0.105 χ^2/NDF: 993531.4/93

- sign 1151.956+/-0.147 χ^2/NDF: 607007.7/48



Right In: -316.113+/-202.495 χ^2/NDF: 31.8/20

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -331.983+/-196.018 χ^2/NDF: 27.0/25

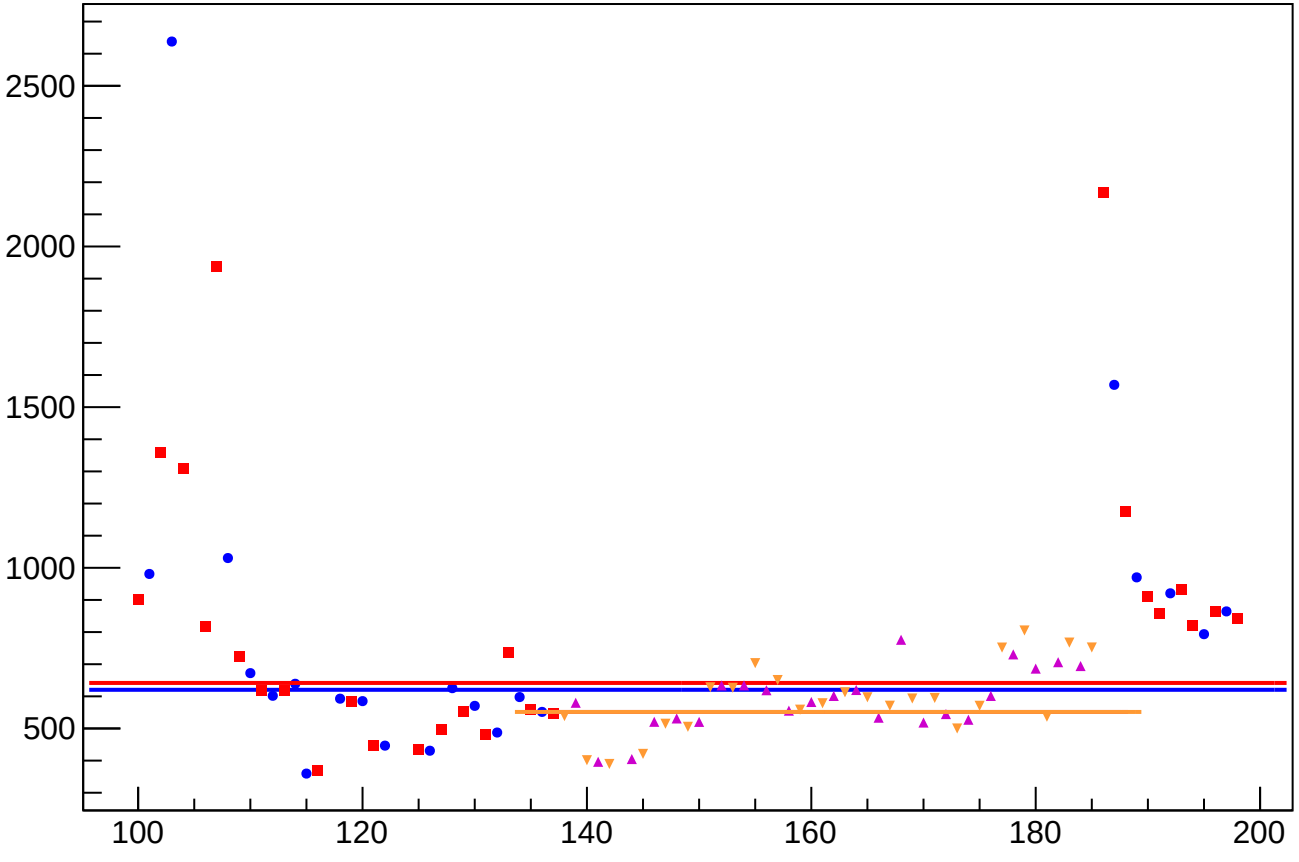
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -471.322+/-109.780 χ^2/NDF: 94.2/44

All: -315.105+/-77.312 χ^2/NDF: 143.5/93

\- sign -161.393+/-108.896 χ^2/NDF: 45.2/48

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 620.347+/-0.143 χ^2/NDF: 2098907.6/20

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 641.685+/-0.139 χ^2/NDF: 2896535.6/25

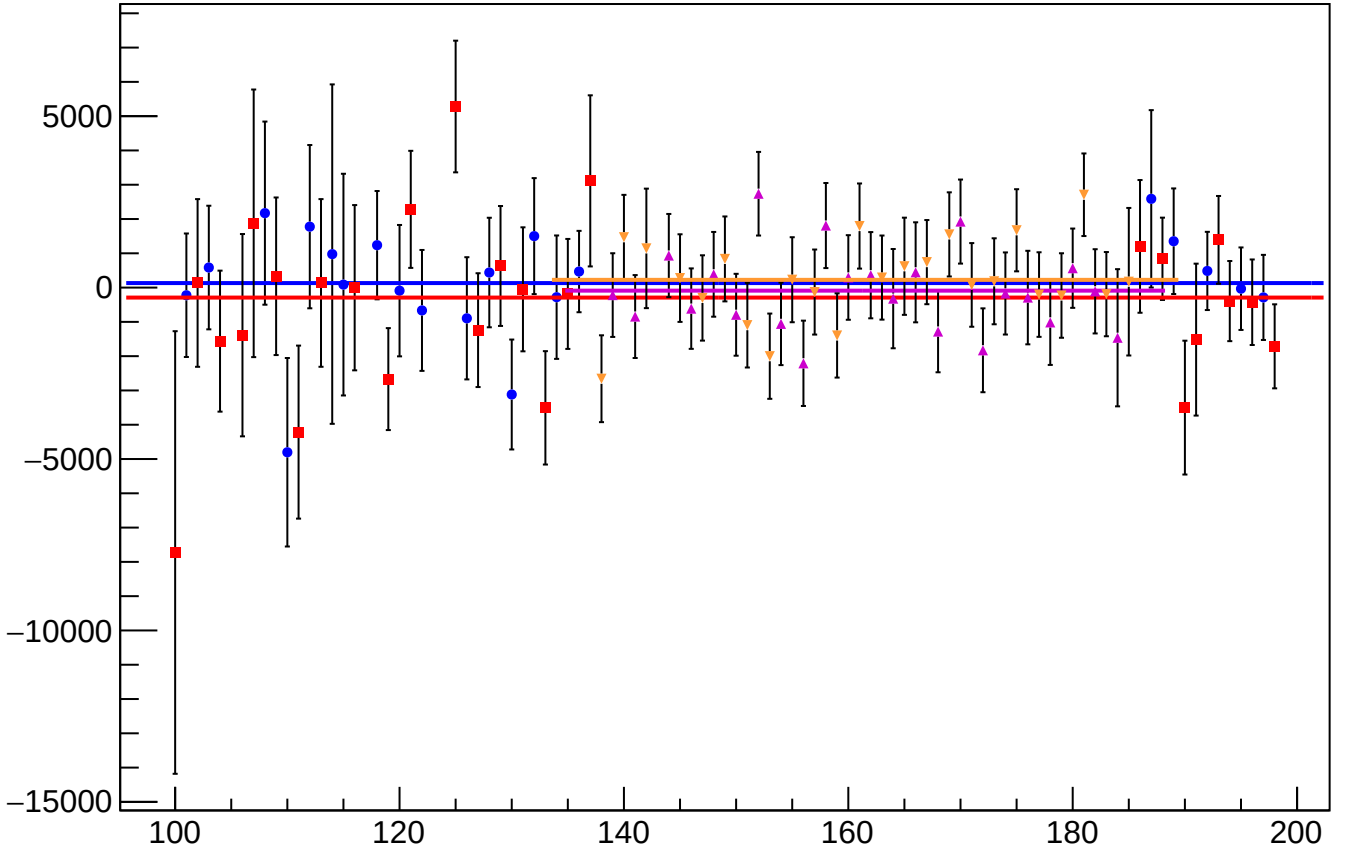
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 571.692+/-0.078 χ^2/NDF: 3489069.7/44

All: 575.487+/-0.055 χ^2/NDF: 7745845.2/93

- sign 579.220+/-0.077 χ^2/NDF: 4252035.9/48

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 131.834+/-369.097 χ^2/NDF: 12.1/20

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -291.147+/-346.053 χ^2/NDF: 31.8/25

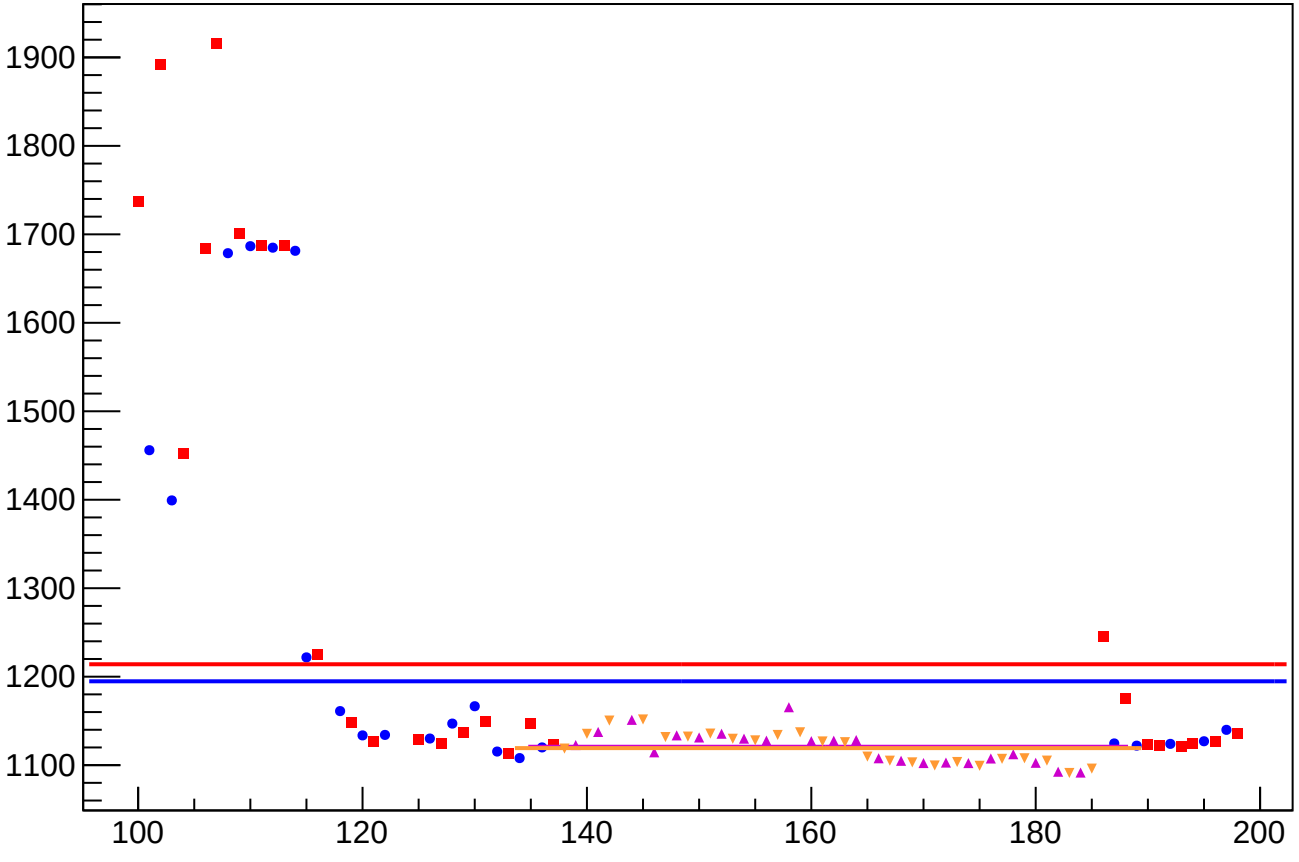
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

\+ sign 194.573+/-212.464 χ^2/NDF: 34.4/44

All: 12.828+/-148.901 χ^2/NDF: 88.4/93

\- sign -162.603+/-208.741 χ^2/NDF: 52.6/48

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1194.779+/-0.261 χ^2/NDF: 352941.0/20

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1214.040+/-0.245 χ^2/NDF: 634141.1/25

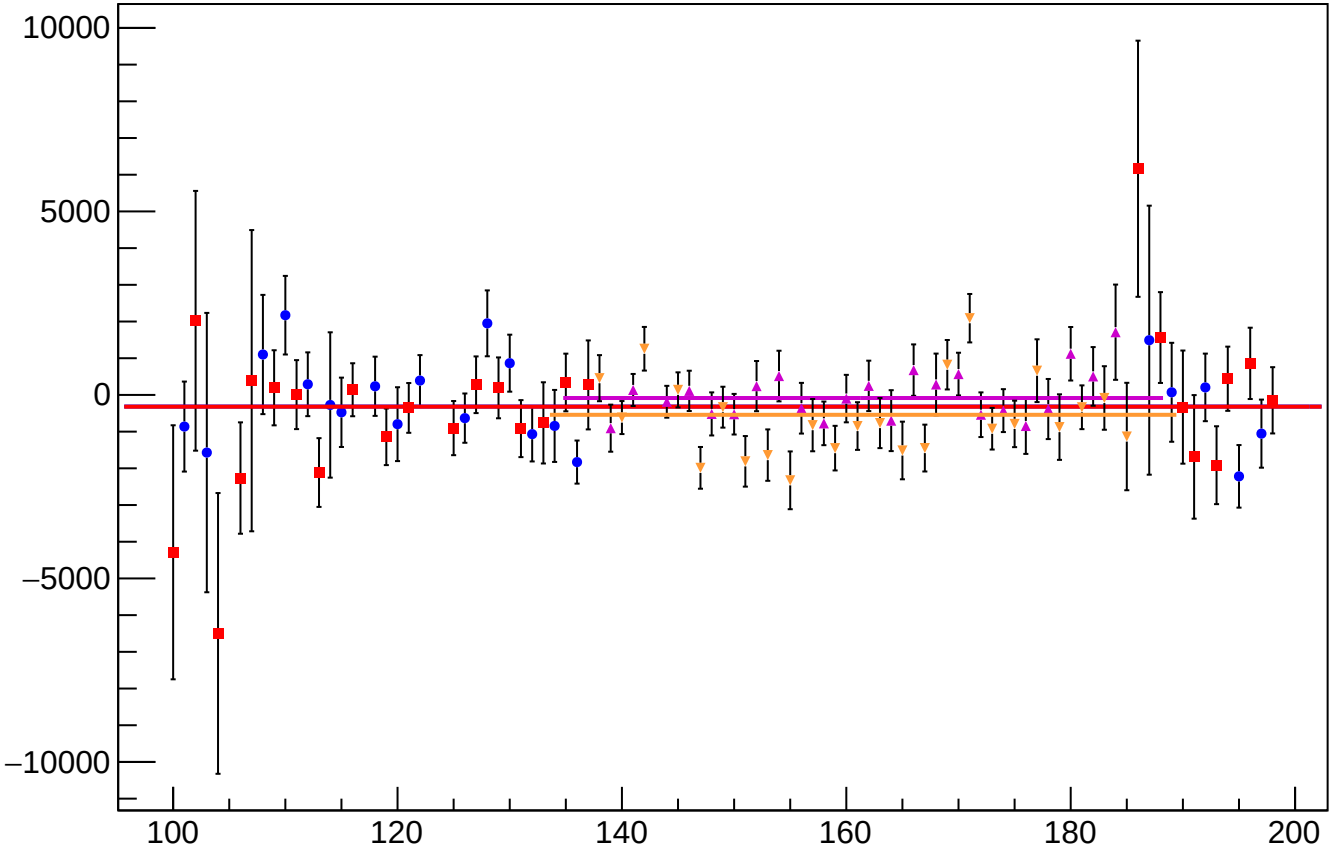
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

\+ sign 1144.282+/-0.150 χ^2/NDF: 417070.8/44

All: 1149.597+/-0.105 χ^2/NDF: 1155461.9/93

\- sign 1154.726+/-0.148 χ^2/NDF: 735931.9/48

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -316.201+/-202.054 χ^2/NDF: 31.9/20

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -320.540+/-198.163 χ^2/NDF: 25.9/25

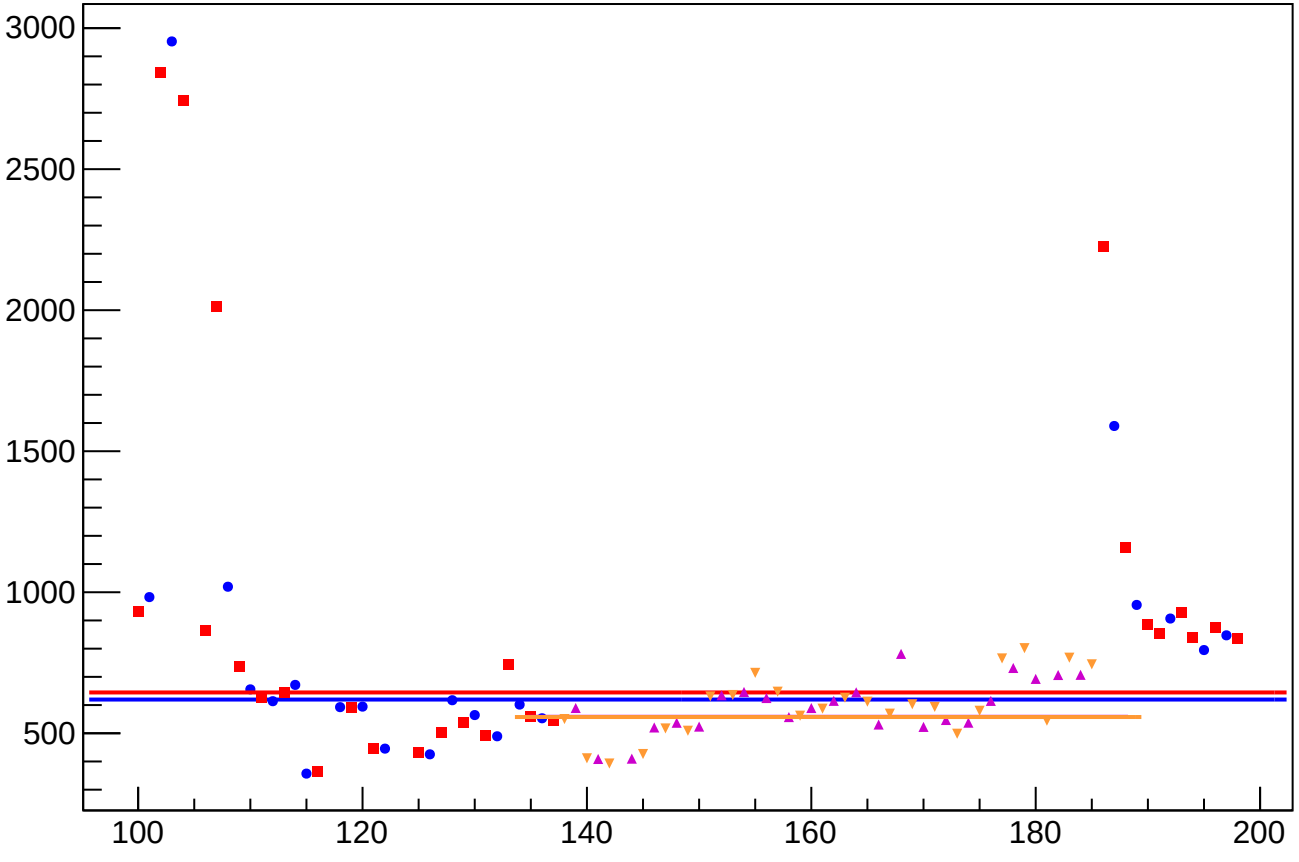
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -474.164+/-110.515 χ^2/NDF: 93.6/44

All: -315.192+/-78.025 χ^2/NDF: 141.0/93

- sign -157.201+/-110.174 χ^2/NDF: 43.3/48

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 619.549+/-0.143 χ^2/NDF: 2264809.6/20

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 644.711+/-0.140 χ^2/NDF: 3822915.8/25

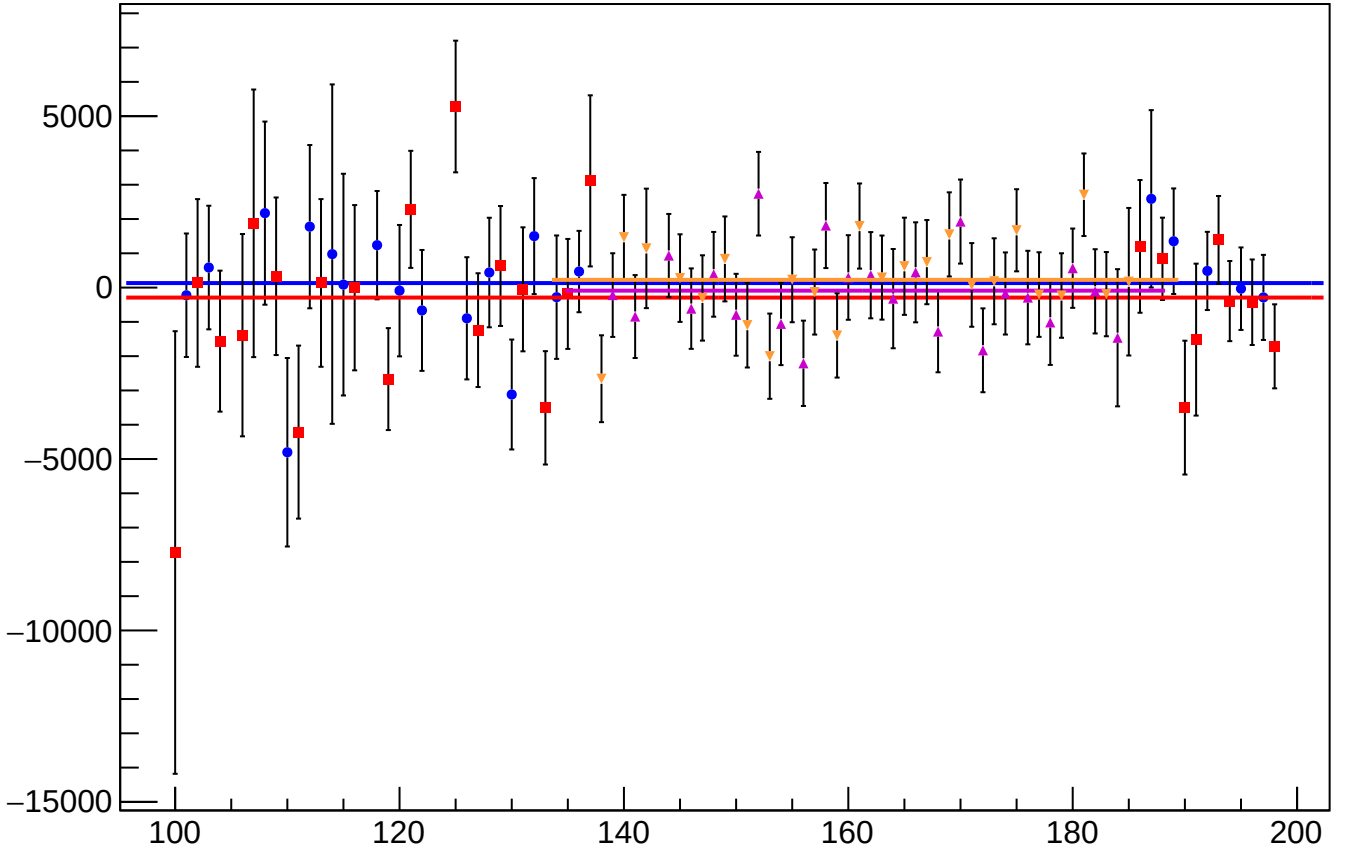
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 576.127+/-0.078 χ^2/NDF: 3589873.9/44

All: 580.615+/-0.055 χ^2/NDF: 8709360.6/93

- sign 585.075+/-0.078 χ^2/NDF: 5112911.2/48

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 131.835+/-369.097 χ^2/NDF: 12.1/20

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -291.147+/-346.053 χ^2/NDF: 31.8/25

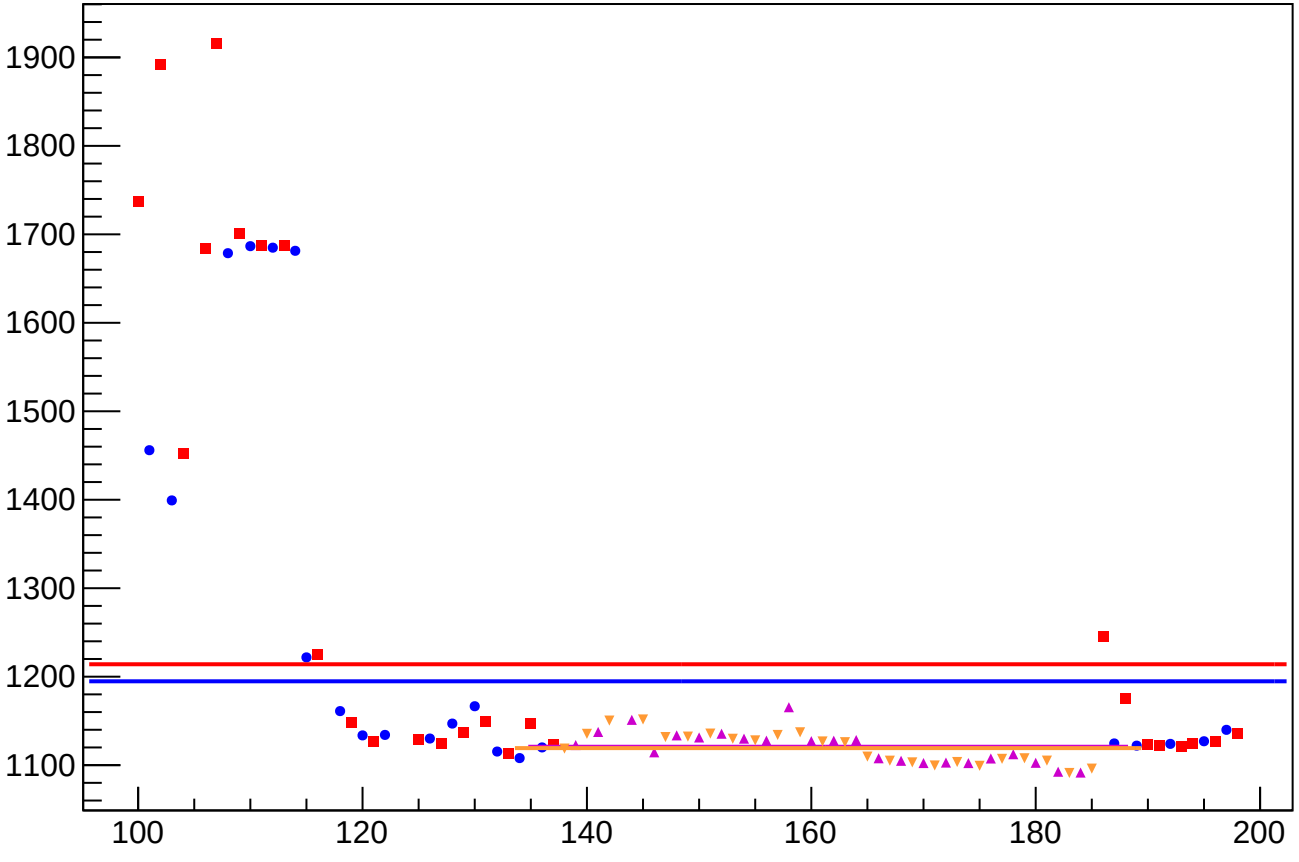
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 194.572+/-212.464 χ^2/NDF: 34.4/44

All: 12.828+/-148.901 χ^2/NDF: 88.4/93

- sign -162.603+/-208.741 χ^2/NDF: 52.6/48

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1194.779+/-0.261 χ^2/NDF: 352940.5/20

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1214.040+/-0.245 χ^2/NDF: 634140.4/25

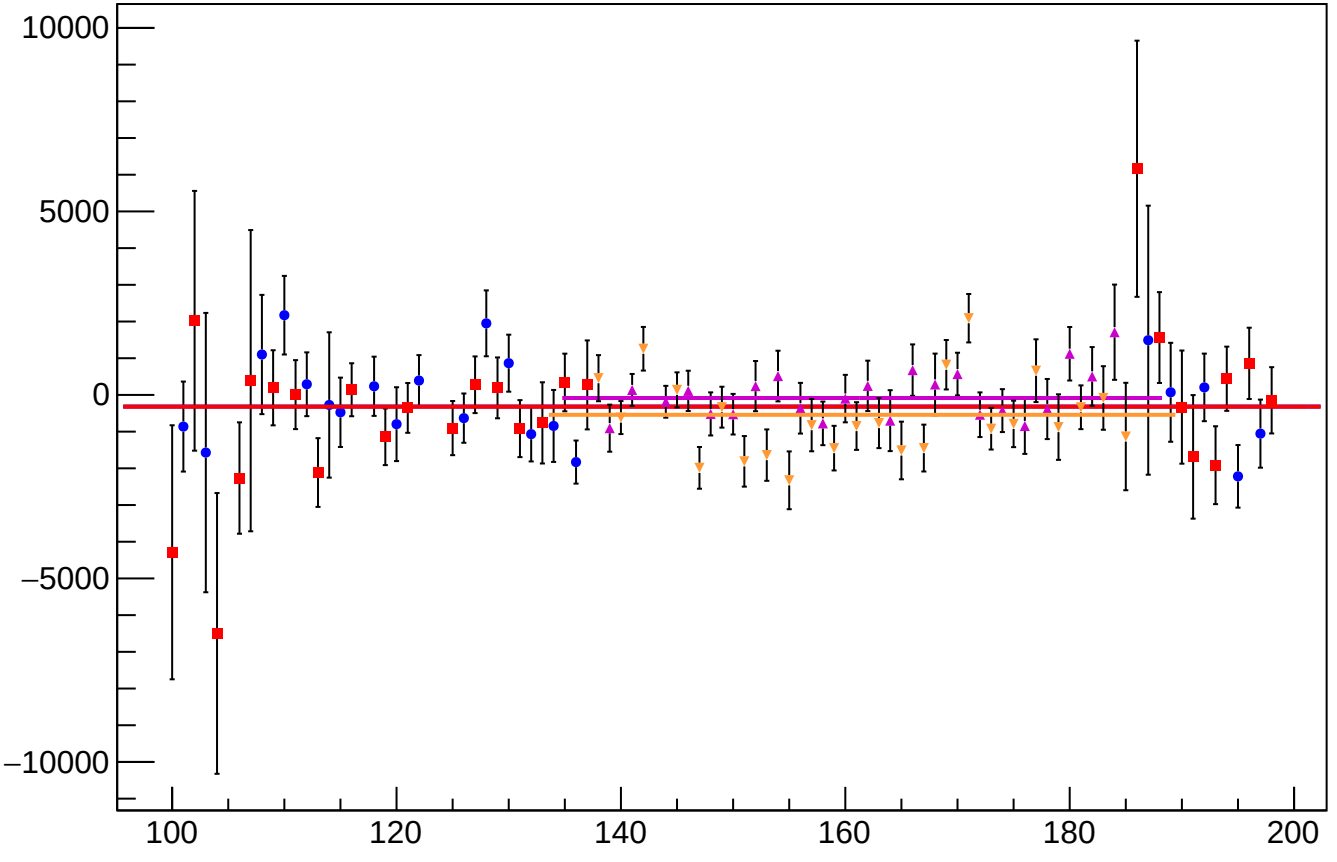
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.282+/-0.150 χ^2/NDF: 417070.3/44

All: 1149.597+/-0.105 χ^2/NDF: 1155460.6/93

- sign 1154.726+/-0.148 χ^2/NDF: 735931.2/48

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -316.201+/-202.054 χ^2/NDF: 31.9/20

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -320.540+/-198.163 χ^2/NDF: 25.9/25

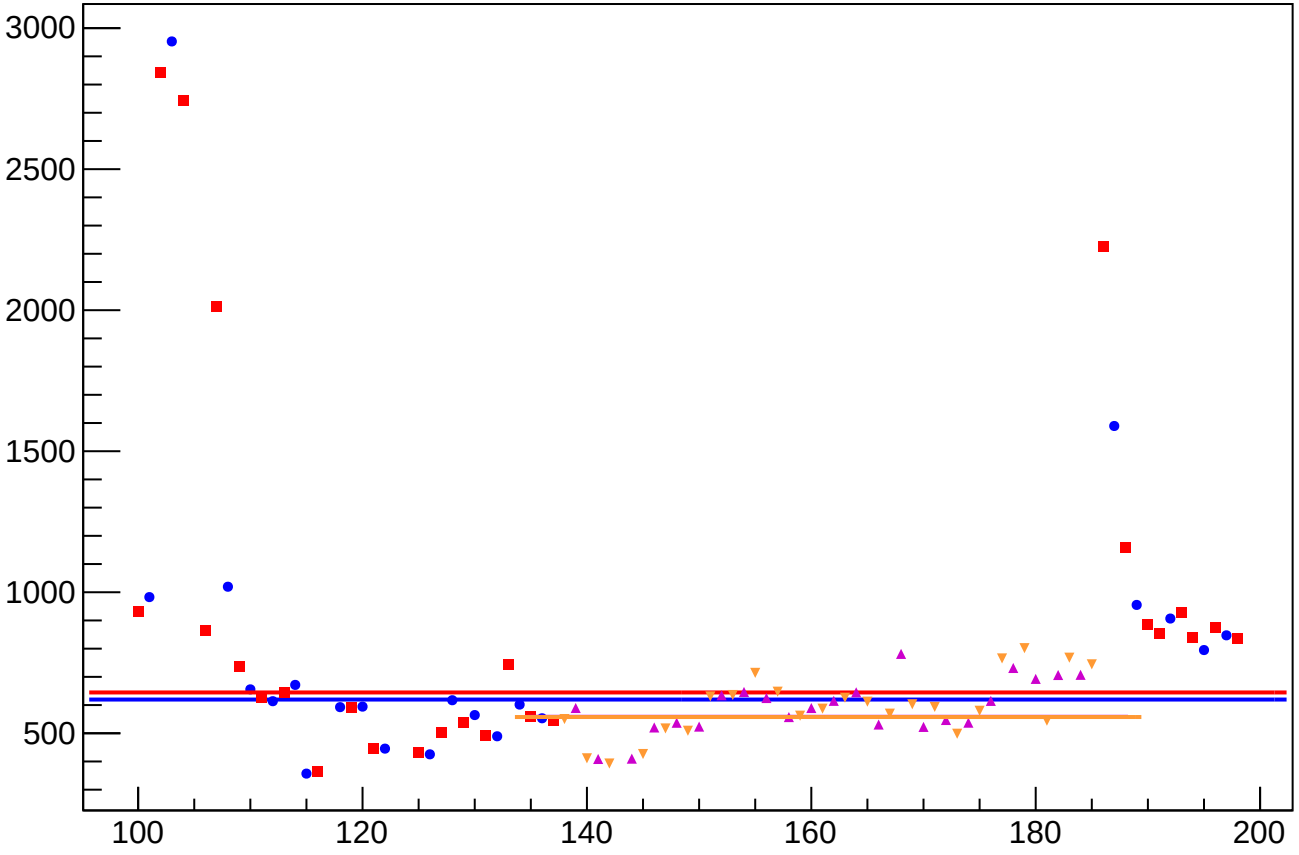
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -474.163+/-110.515 χ^2/NDF: 93.6/44

All: -315.192+/-78.025 χ^2/NDF: 141.0/93

- sign -157.201+/-110.174 χ^2/NDF: 43.3/48

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 619.549+/-0.143 χ^2/NDF: 2264805.3/20

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 644.711+/-0.140 χ^2/NDF: 3822915.9/25

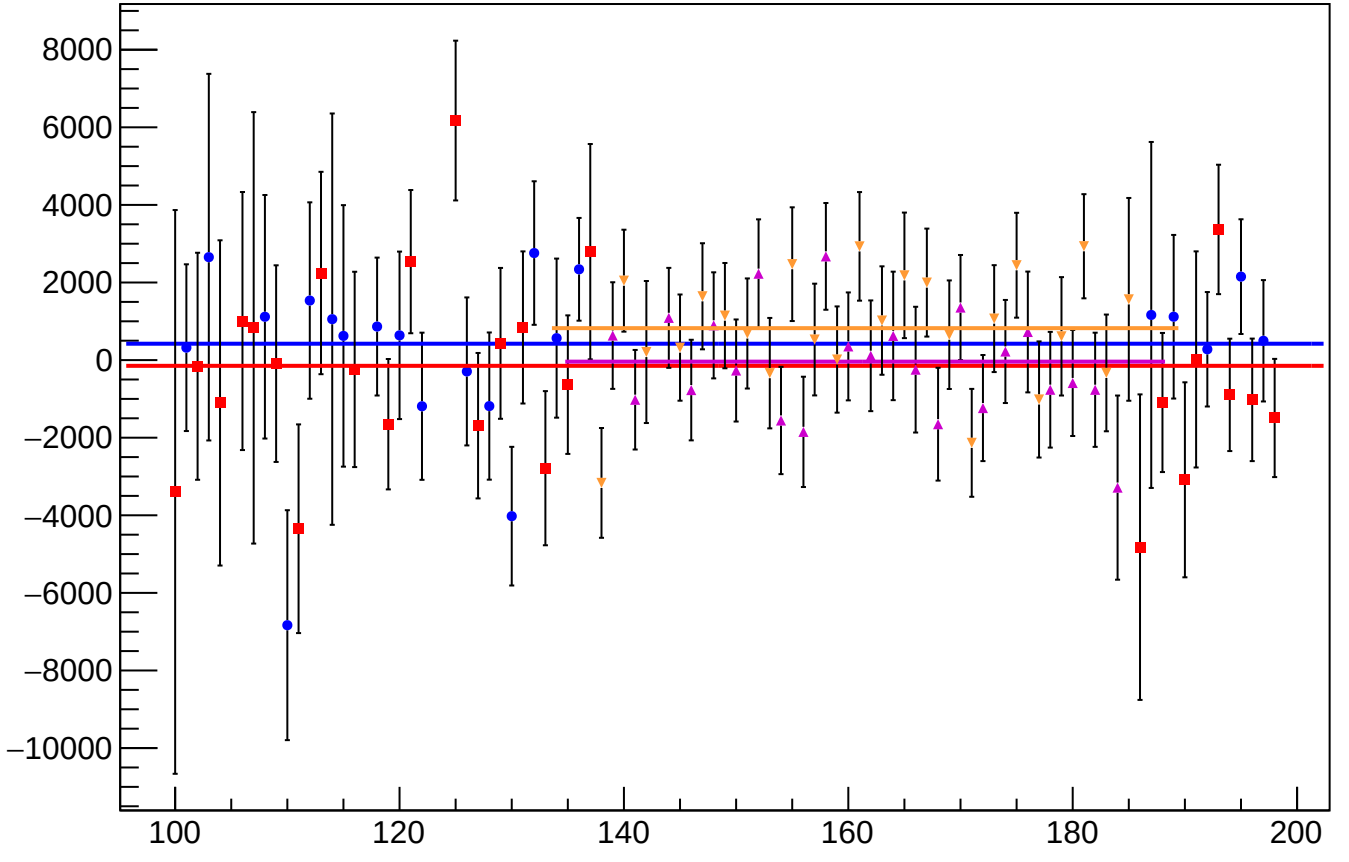
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 576.126+/-0.078 χ^2/NDF: 3589893.0/44

All: 580.614+/-0.055 χ^2/NDF: 8709397.4/93

- sign 585.074+/-0.078 χ^2/NDF: 5112928.8/48

asym_usl_atl1_dd_mean vs Slug



Right In: 422.310+/-441.377 χ^2/NDF: 19.5/20

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -147.657+/-421.264 χ^2/NDF: 28.9/25

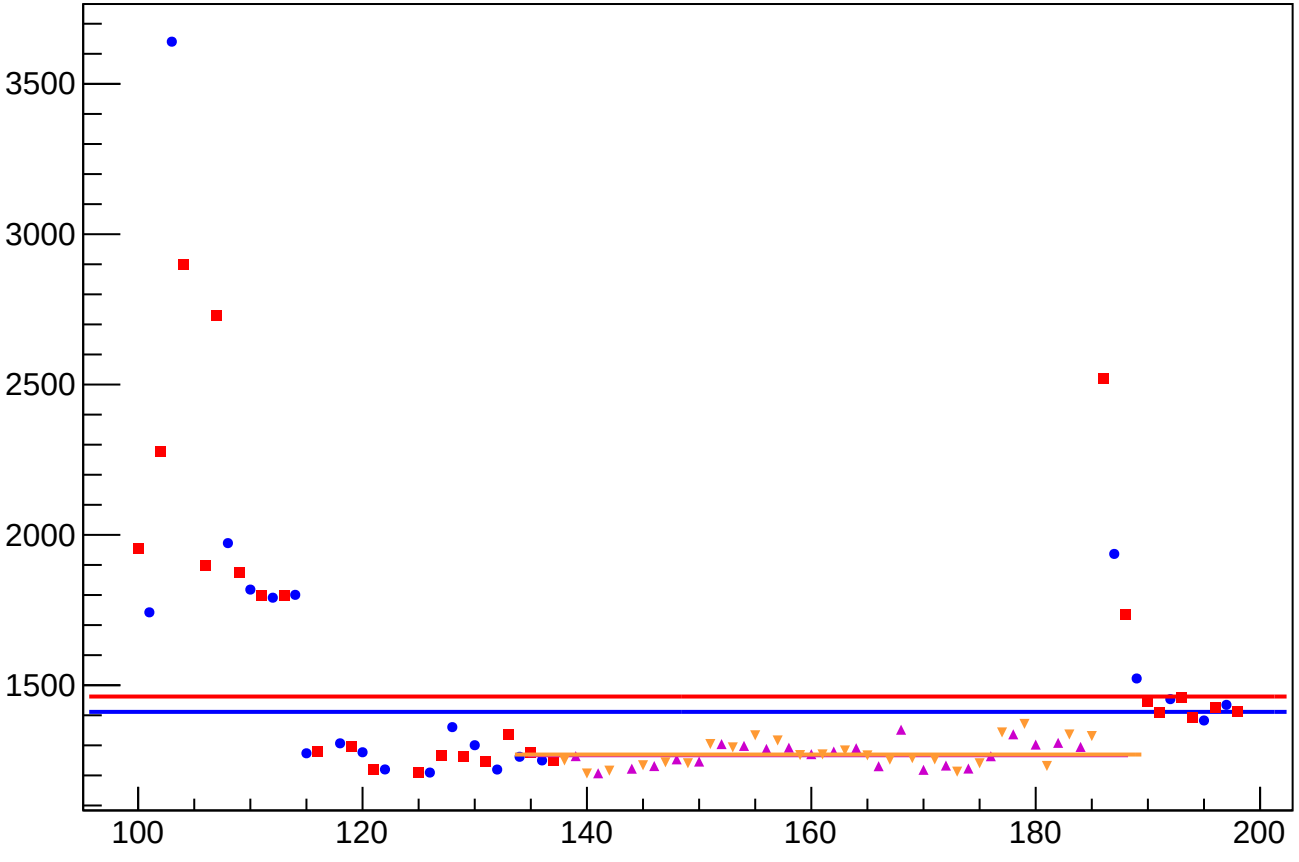
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 699.593+/-245.168 χ^2/NDF: 46.3/44

All: 307.378+/-172.299 χ^2/NDF: 98.1/93

- sign -75.381+/-242.194 χ^2/NDF: 46.8/48

asym_usl_atl1_dd_rms vs Slug



Right In: 1411.347+/-0.312 χ^2/NDF: 817960.0/20

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

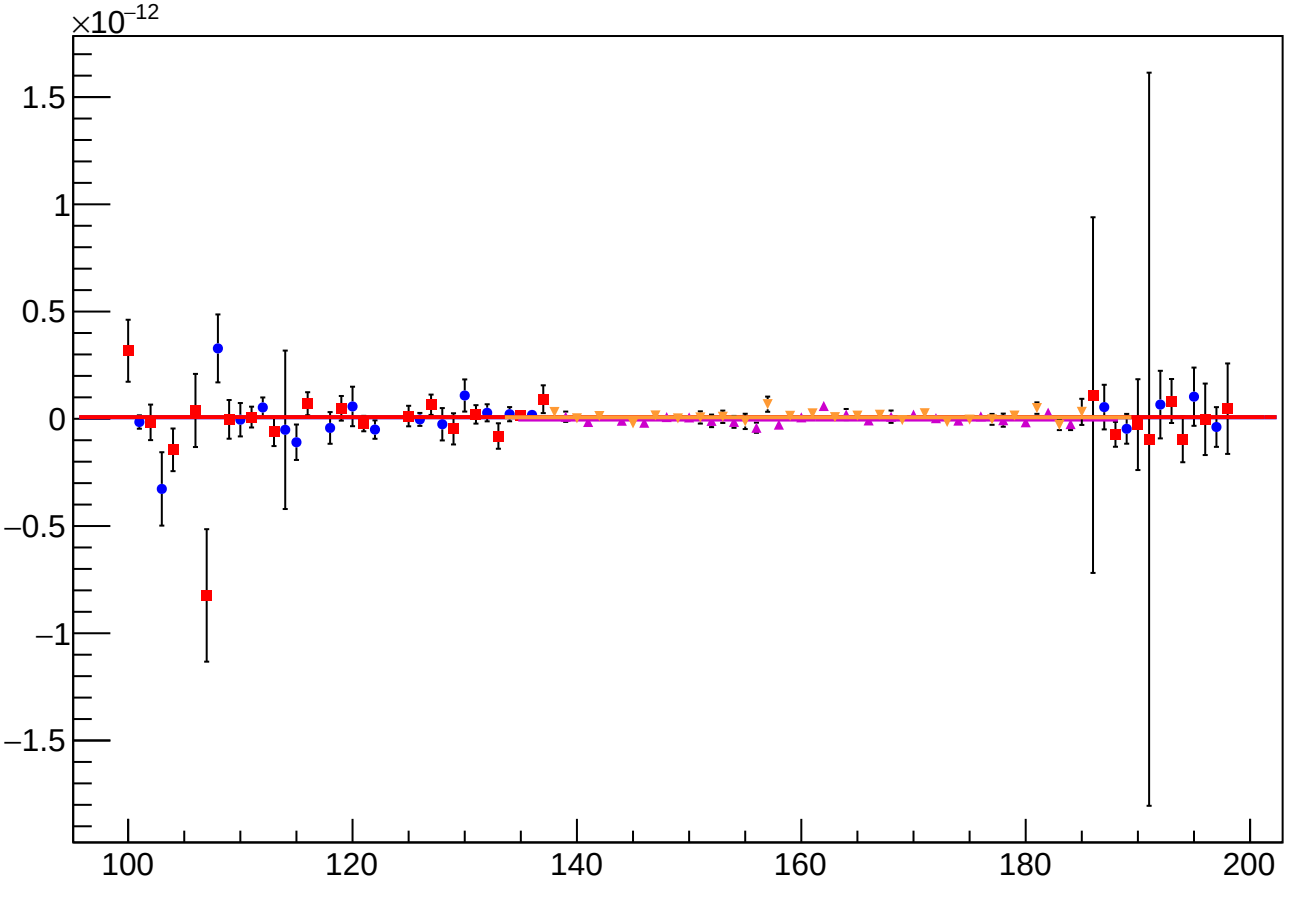
Right Out: 1462.378+/-0.298 χ^2/NDF: 1057980.1/25

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1313.224+/-0.173 χ^2/NDF: 1003951.3/44

All: 1322.536+/-0.122 χ^2/NDF: 2389990.5/93

- sign 1331.624+/-0.171 χ^2/NDF: 1380338.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

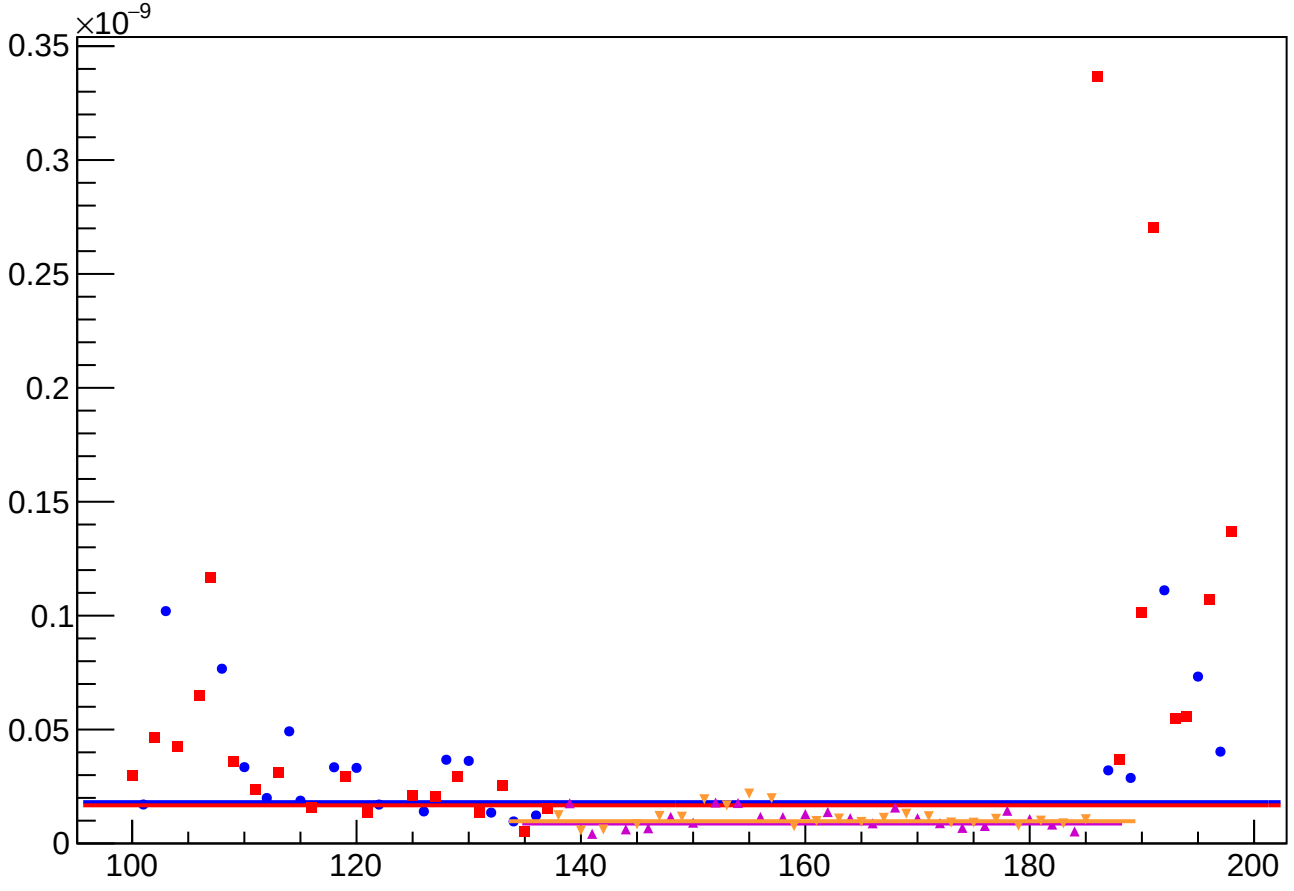
Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/25

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/44

All: 0.000+/-0.000 χ^2/NDF: 93.3/93

- sign -0.000+/-0.000 χ^2/NDF: 51.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 2835394.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5040192.9/25

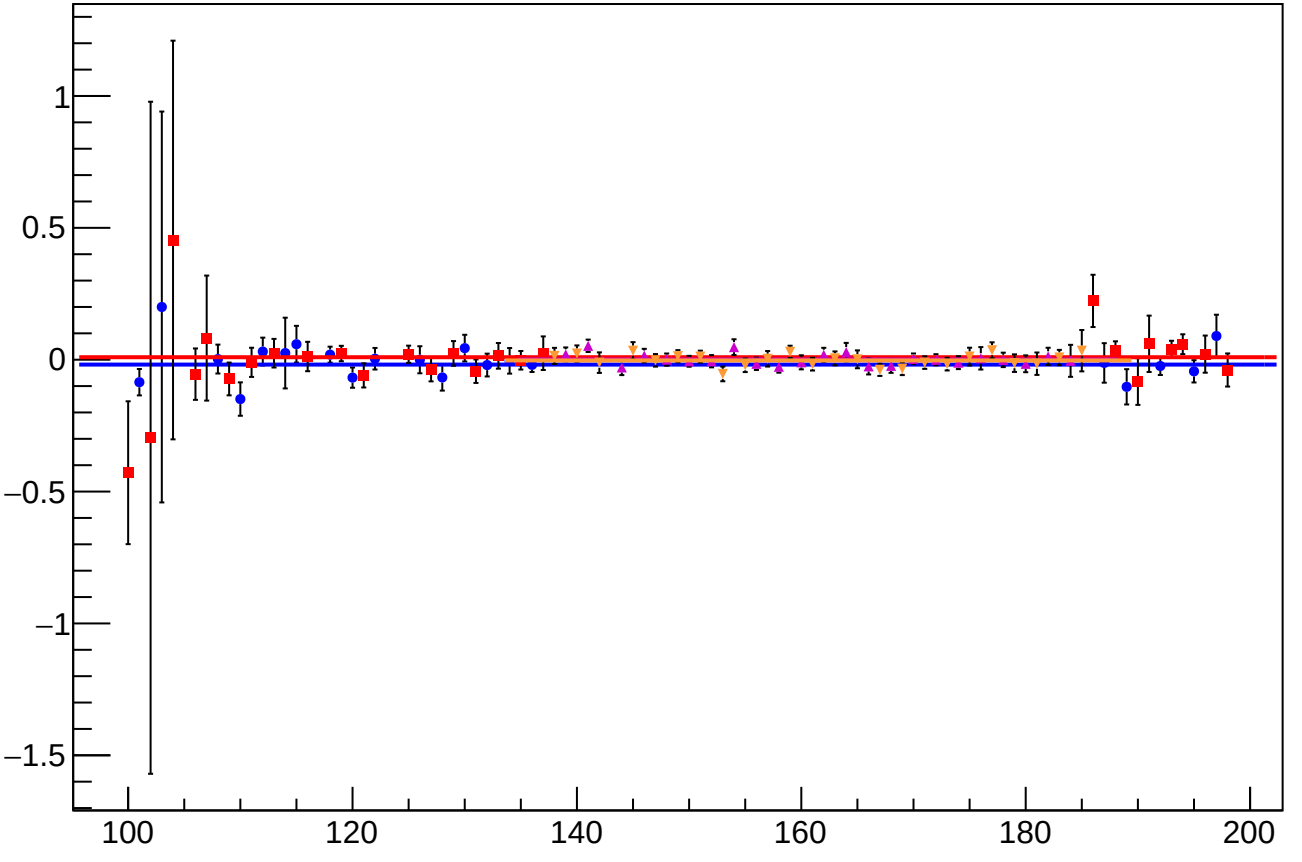
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5310964.3/44

All: 0.000+/-0.000 χ^2/NDF: 13446801.3/93

- sign 0.000+/-0.000 χ^2/NDF: 8038413.4/48

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.009+/-0.010 χ^2/NDF: 20.5/25

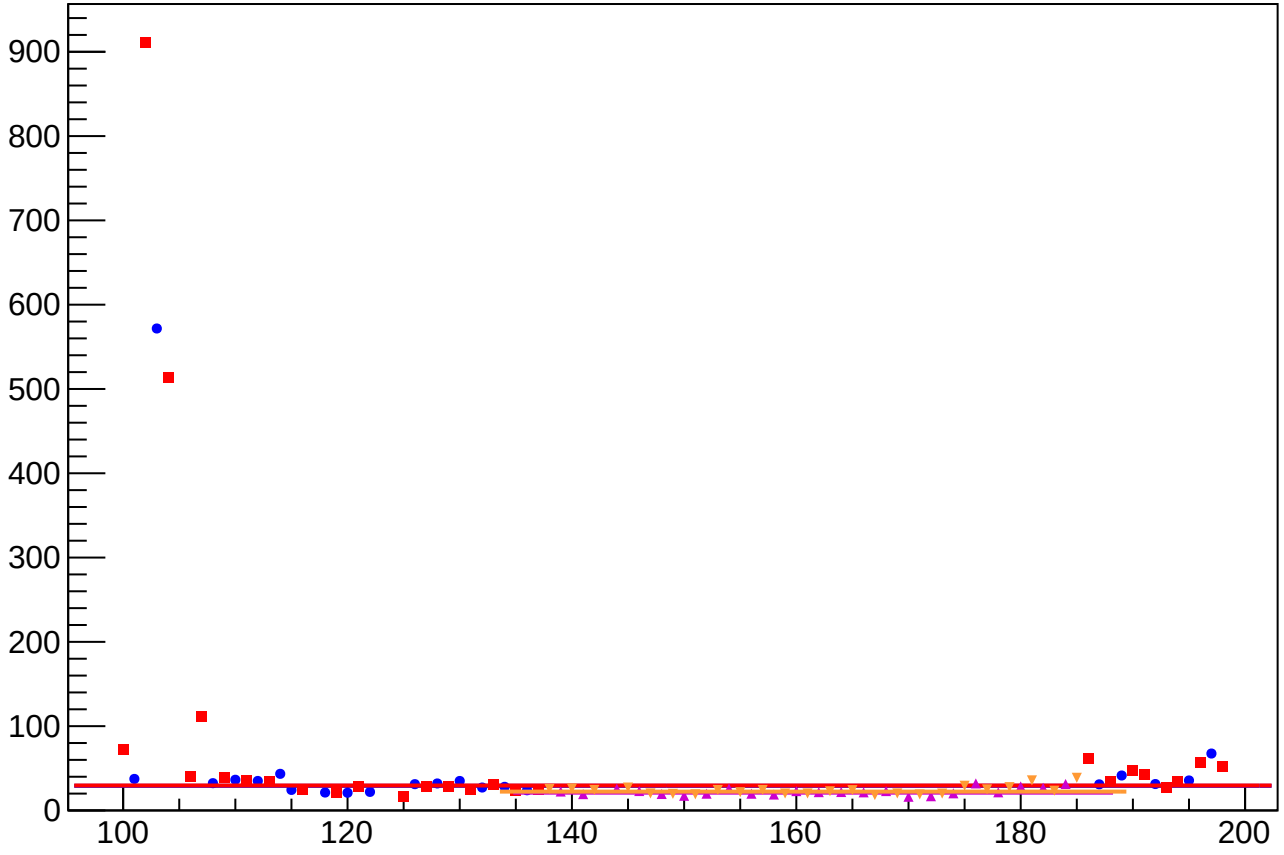
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/44

All: -0.002+/-0.003 χ^2/NDF: 74.4/93

- sign 0.003+/-0.005 χ^2/NDF: 36.0/48

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.218+/-0.007 χ^2/NDF: 2194336.5/20

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

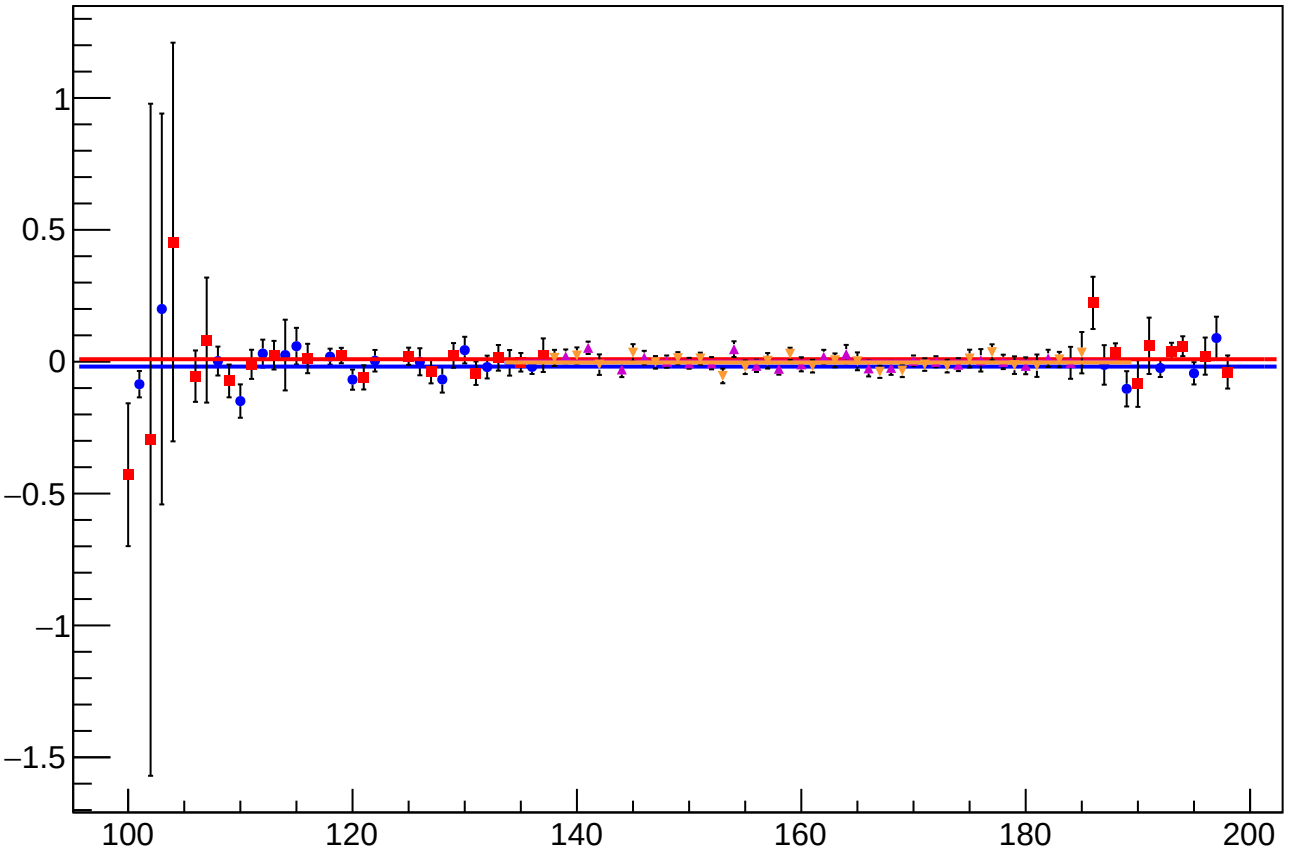
Right Out: 29.607+/-0.007 χ^2/NDF: 3720137.5/25

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.962+/-0.004 χ^2/NDF: 3692892.9/44

All: 23.500+/-0.002 χ^2/NDF: 9388660.2/93

- sign 23.071+/-0.003 χ^2/NDF: 5662520.9/48



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.009+/-0.010 χ^2/NDF: 20.5/25

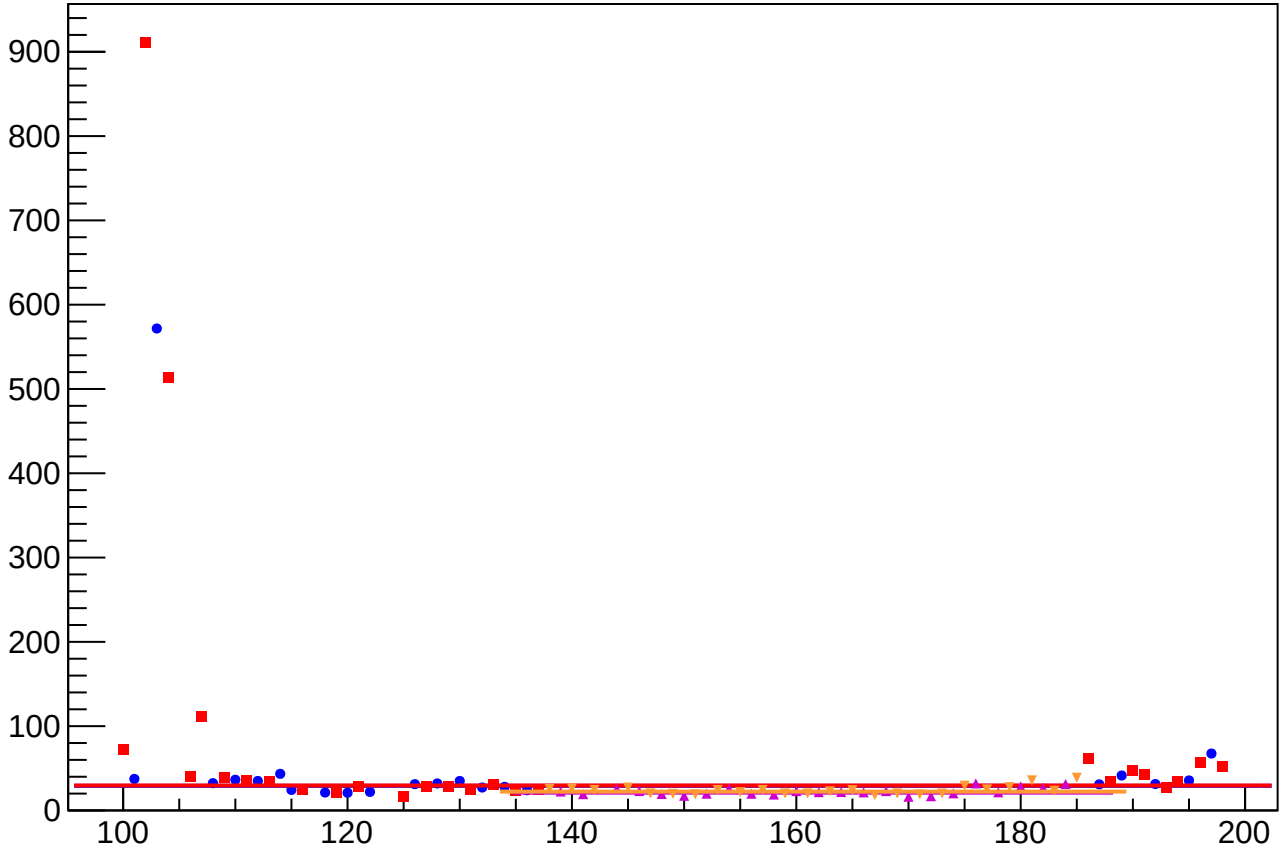
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/44

All: -0.002+/-0.003 χ^2/NDF: 74.4/93

- sign 0.003+/-0.005 χ^2/NDF: 36.0/48

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.218+/-0.007 χ^2/NDF: 2194336.5/20

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

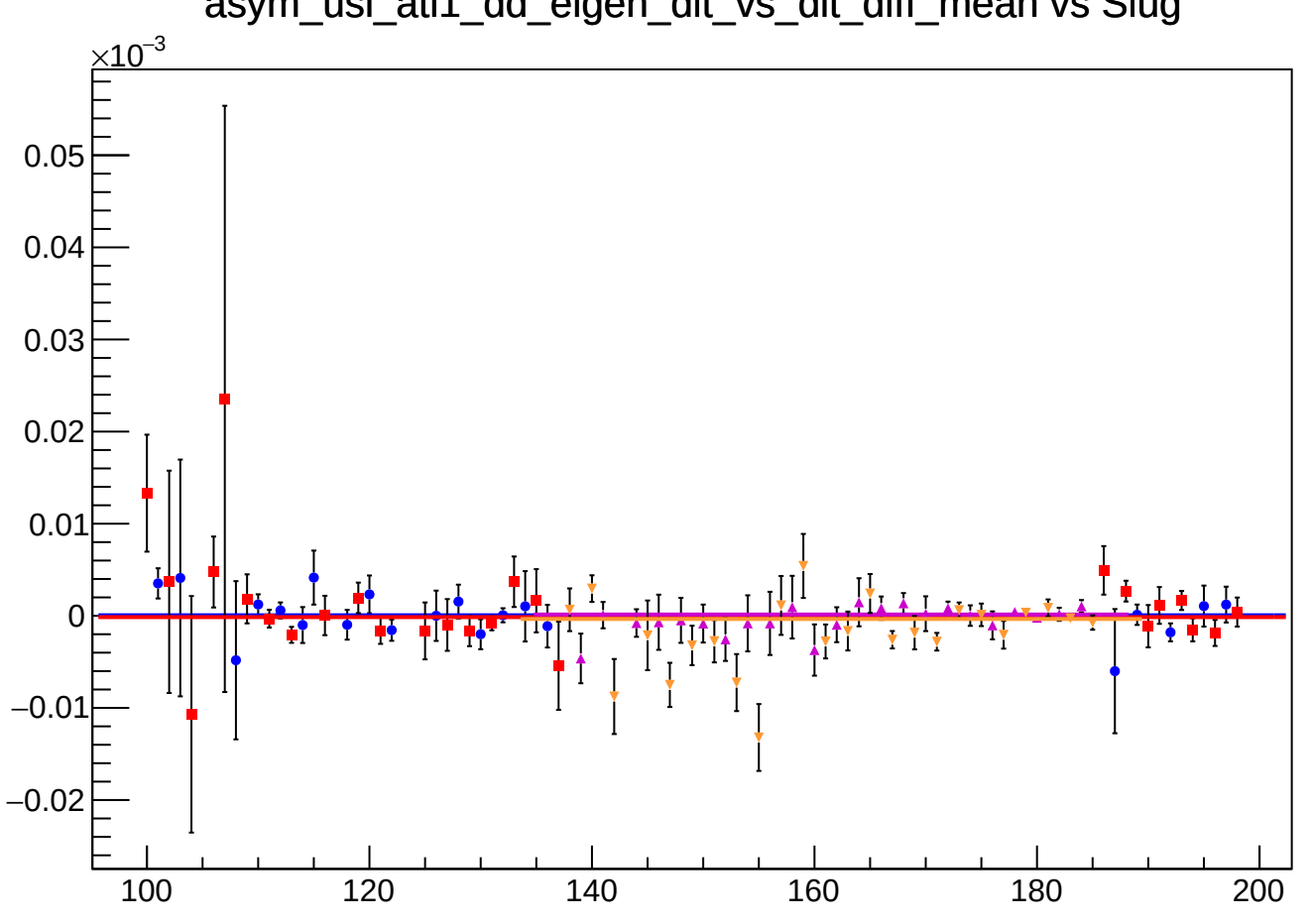
Right Out: 29.607+/-0.007 χ^2/NDF: 3720137.5/25

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 23.962+/-0.004 χ^2/NDF: 3692892.9/44

All: 23.500+/-0.002 χ^2/NDF: 9388660.2/93

\- sign 23.071+/-0.003 χ^2/NDF: 5662520.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

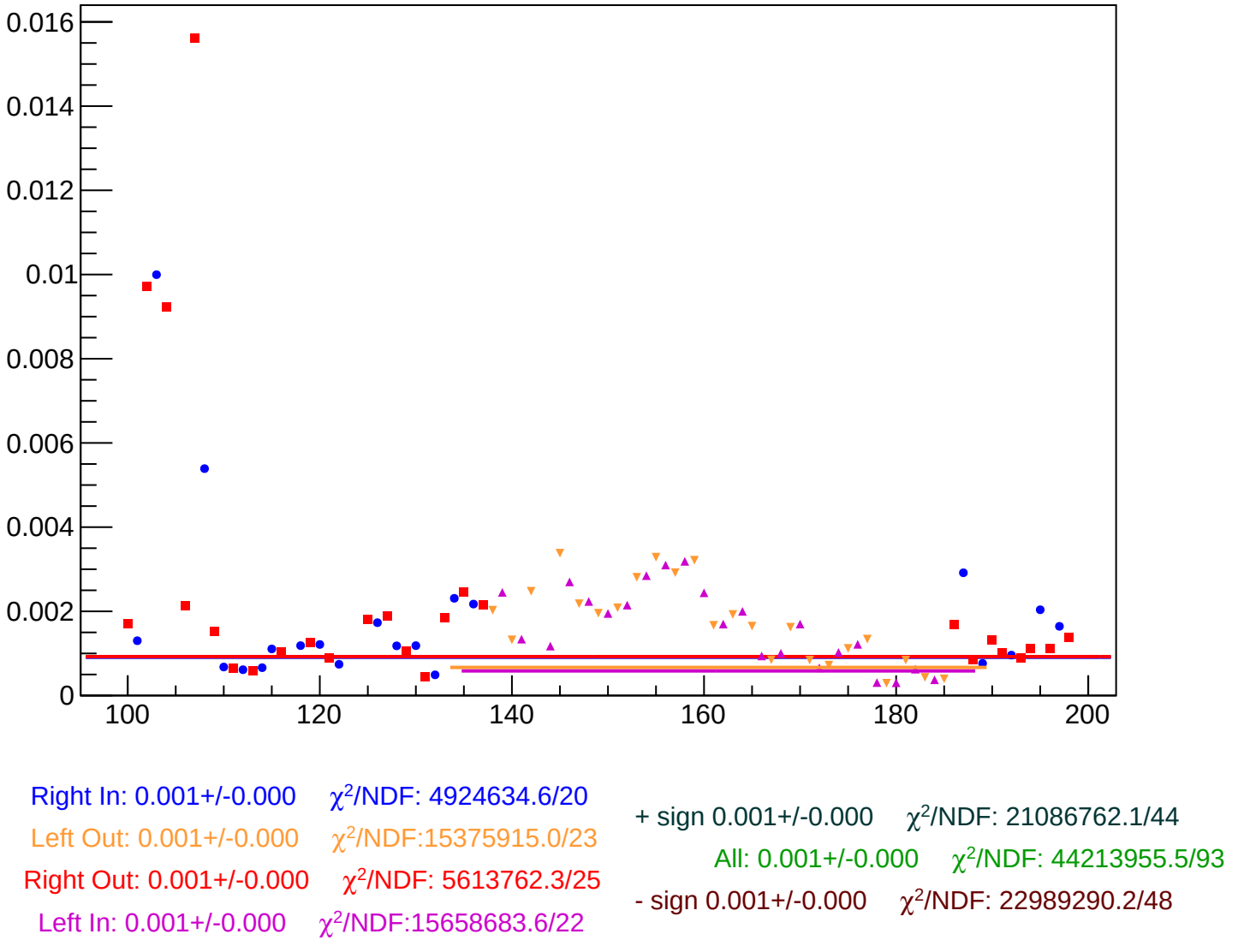
Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/25

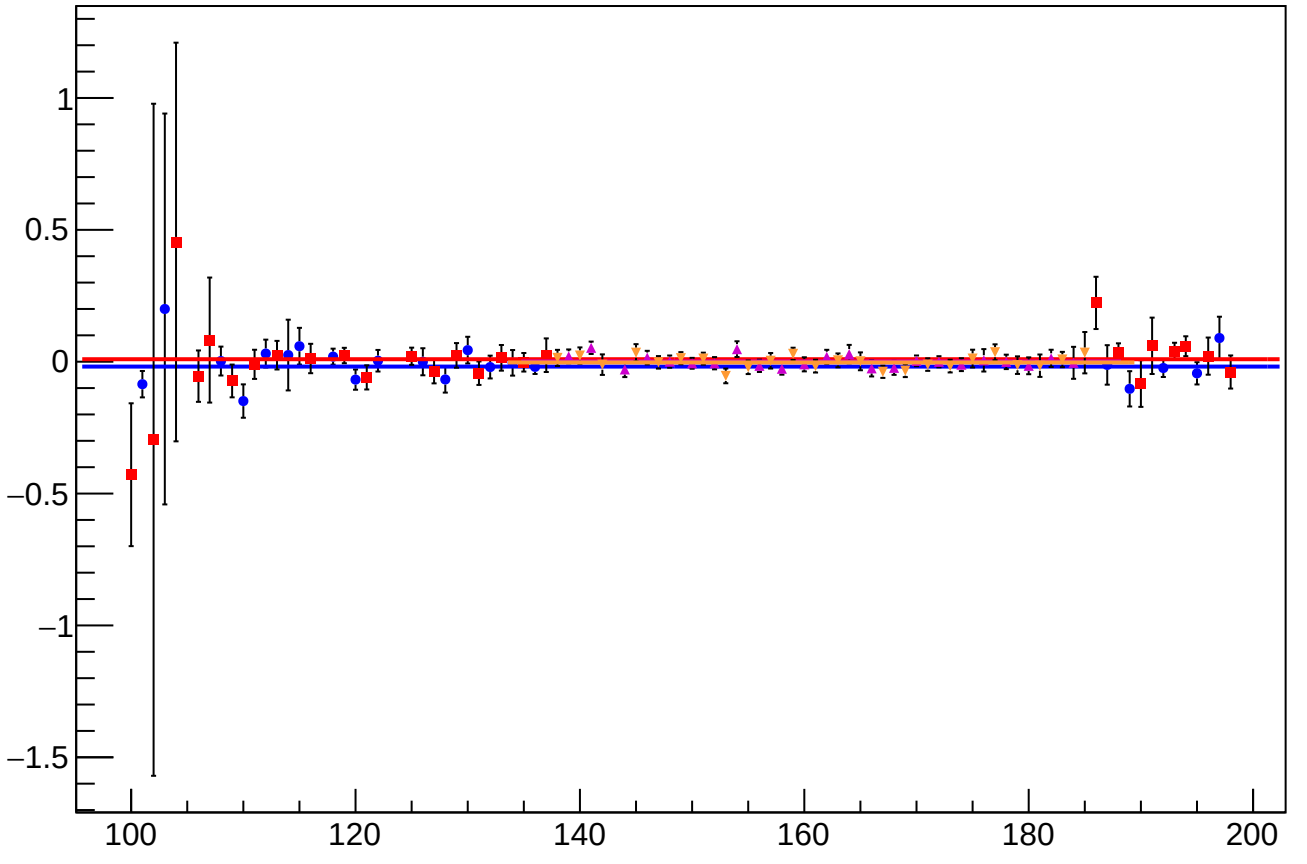
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 88.9/44

All: -0.000+/-0.000 χ^2/NDF: 142.7/93

- sign 0.000+/-0.000 χ^2/NDF: 52.2/48


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 4924634.6/20
Left Out: 0.001+/-0.000 χ²/NDF:15375915.0/23
Right Out: 0.001+/-0.000 χ²/NDF: 5613762.3/25
Left In: 0.001+/-0.000 χ²/NDF:15658683.6/22
+ sign 0.001+/-0.000 χ²/NDF: 21086762.1/44
All: 0.001+/-0.000 χ²/NDF: 44213955.5/93
- sign 0.001+/-0.000 χ²/NDF: 22989290.2/48



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.009+/-0.010 χ^2/NDF: 20.5/25

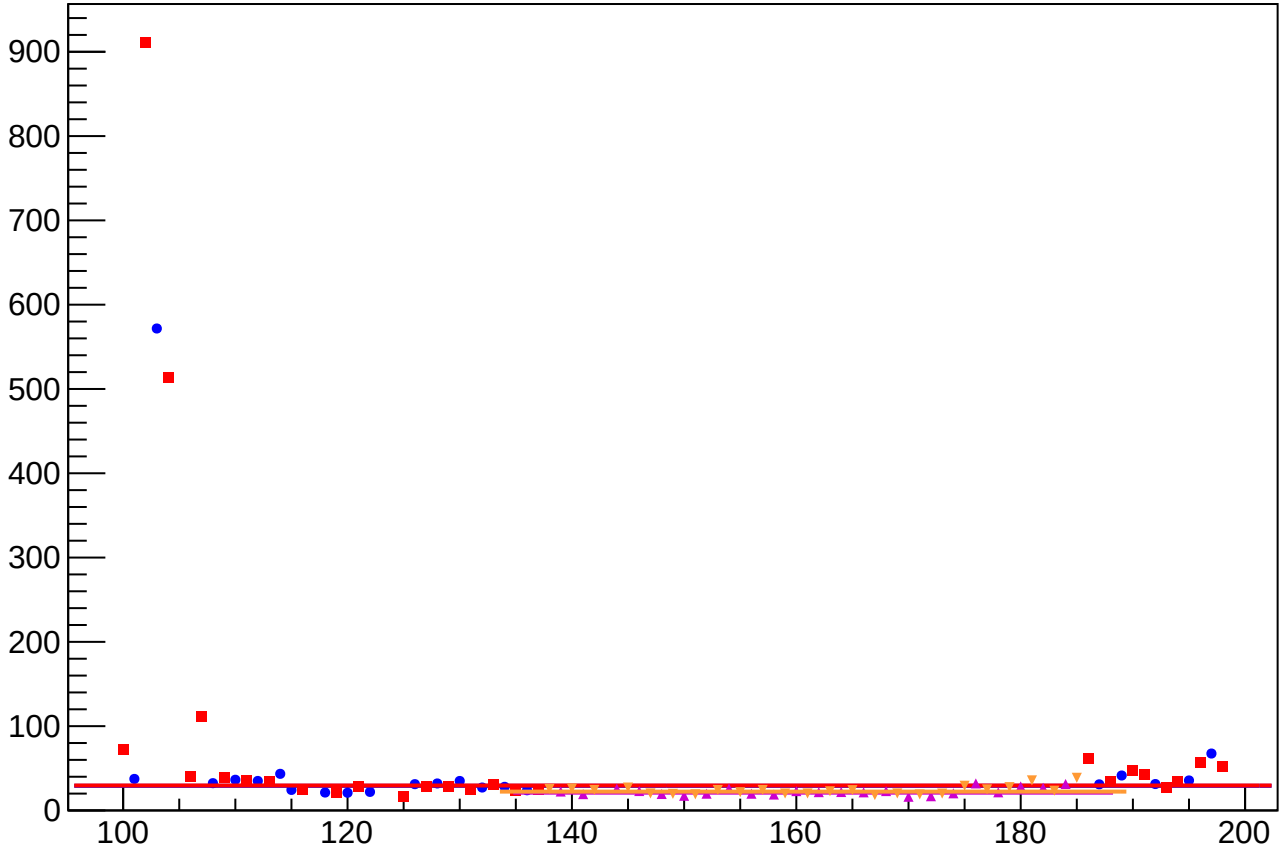
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.006+/-0.005 χ^2/NDF: 36.6/44

All: -0.002+/-0.003 χ^2/NDF: 74.4/93

\- sign 0.003+/-0.005 χ^2/NDF: 36.0/48

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.218+/-0.007 χ^2/NDF: 2194351.1/20

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

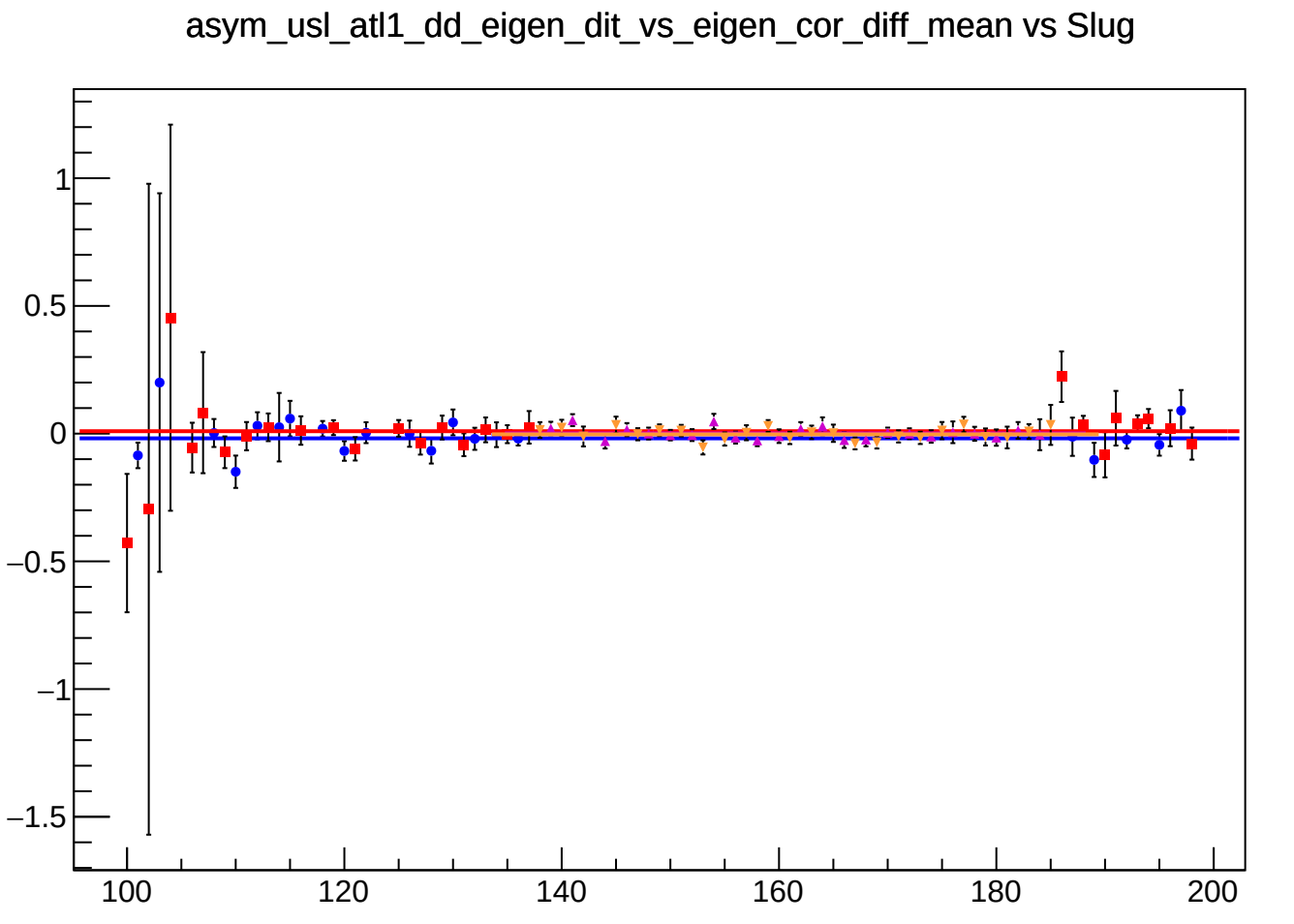
Right Out: 29.607+/-0.007 χ^2/NDF: 3720159.3/25

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 23.962+/-0.004 χ^2/NDF: 3692888.5/44

All: 23.500+/-0.002 χ^2/NDF: 9388685.8/93

\- sign 23.071+/-0.003 χ^2/NDF: 5662551.8/48



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

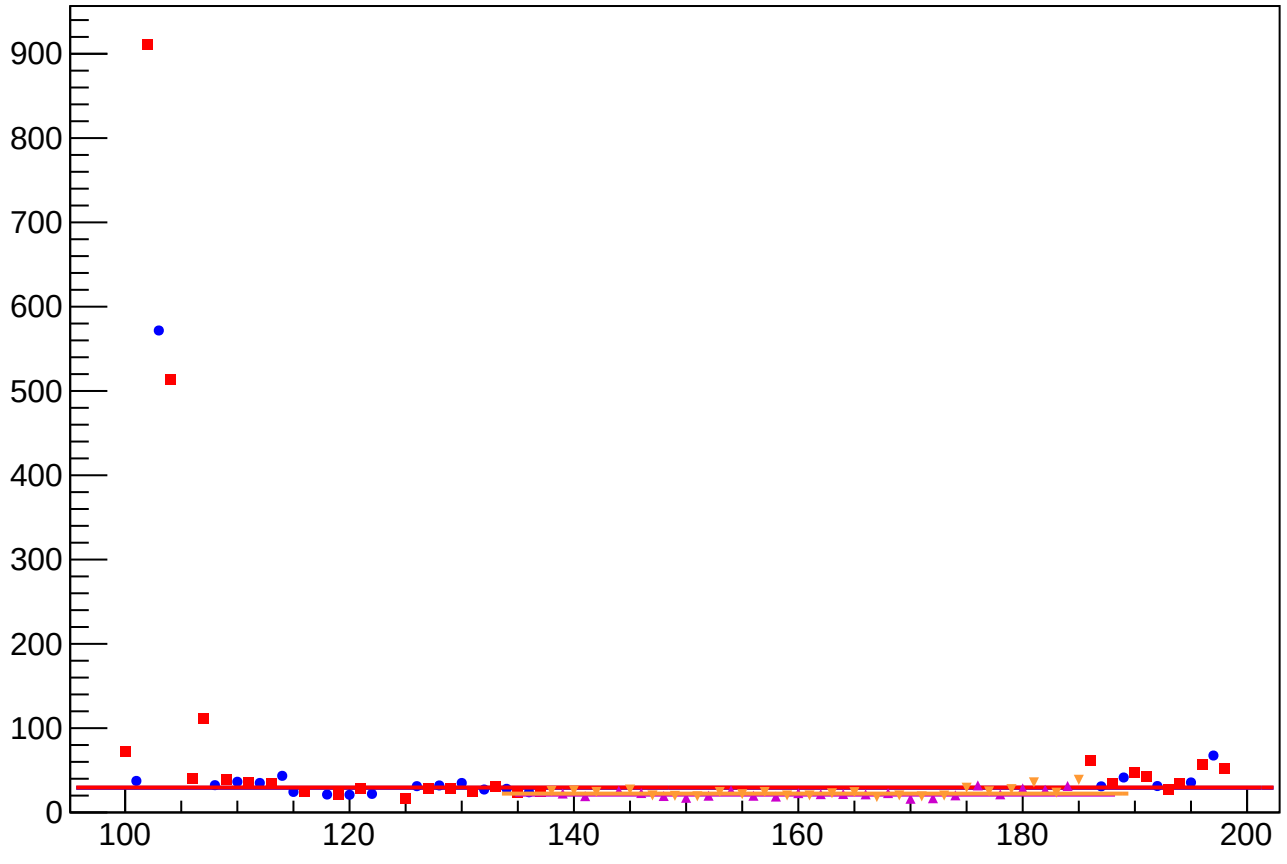
Right Out: 0.009+/-0.010 χ^2/NDF: 20.5/25

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.006+/-0.005 χ^2/NDF: 36.6/44

All: -0.002+/-0.003 χ^2/NDF: 74.4/93

\- sign 0.003+/-0.005 χ^2/NDF: 36.0/48



Right In: 29.218+/-0.007 χ^2/NDF: 2194351.1/20

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

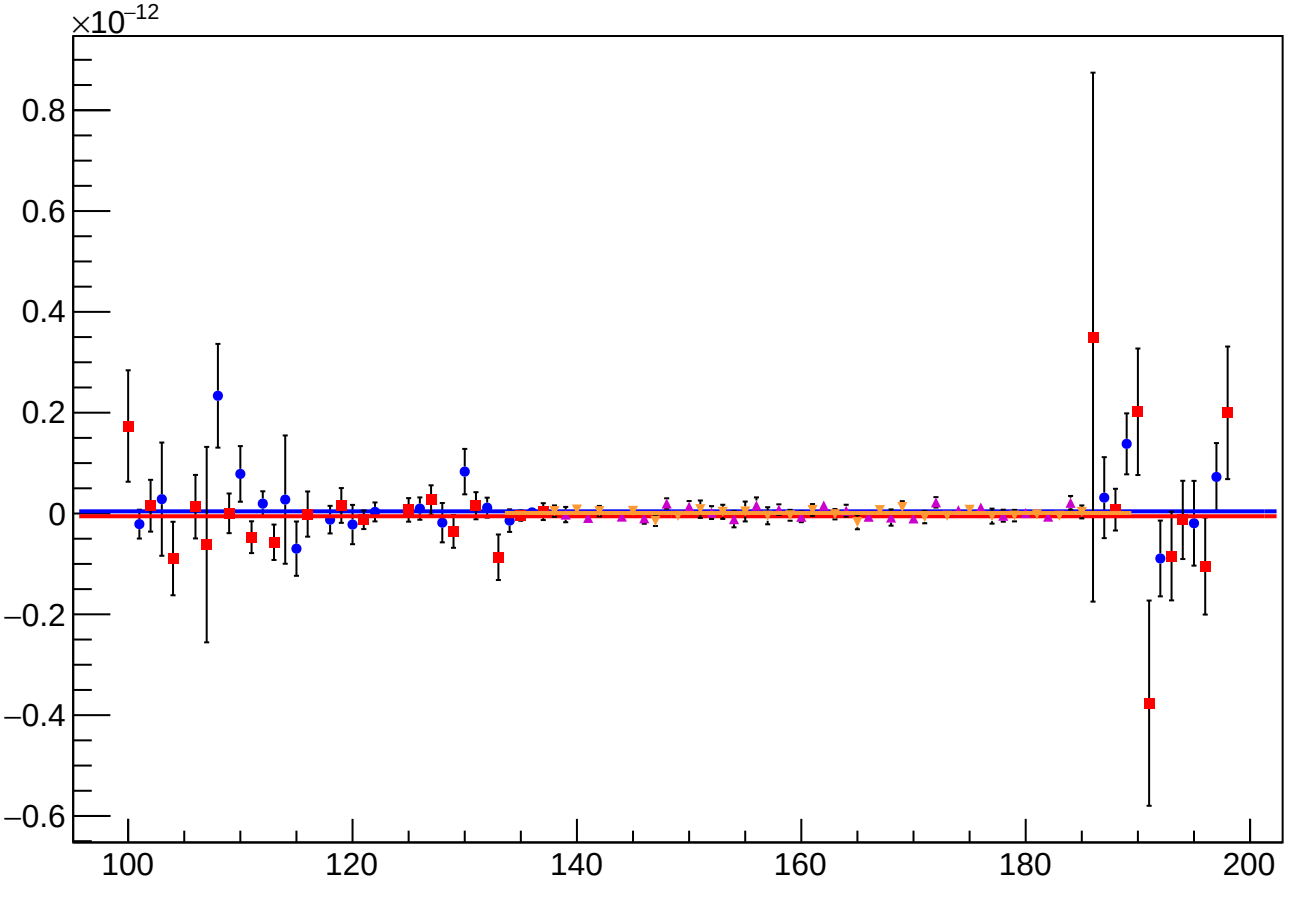
Right Out: 29.607+/-0.007 χ^2/NDF: 3720159.3/25

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.962+/-0.004 χ^2/NDF: 3692888.5/44

All: 23.500+/-0.002 χ^2/NDF: 9388685.8/93

- sign 23.071+/-0.003 χ^2/NDF: 5662551.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

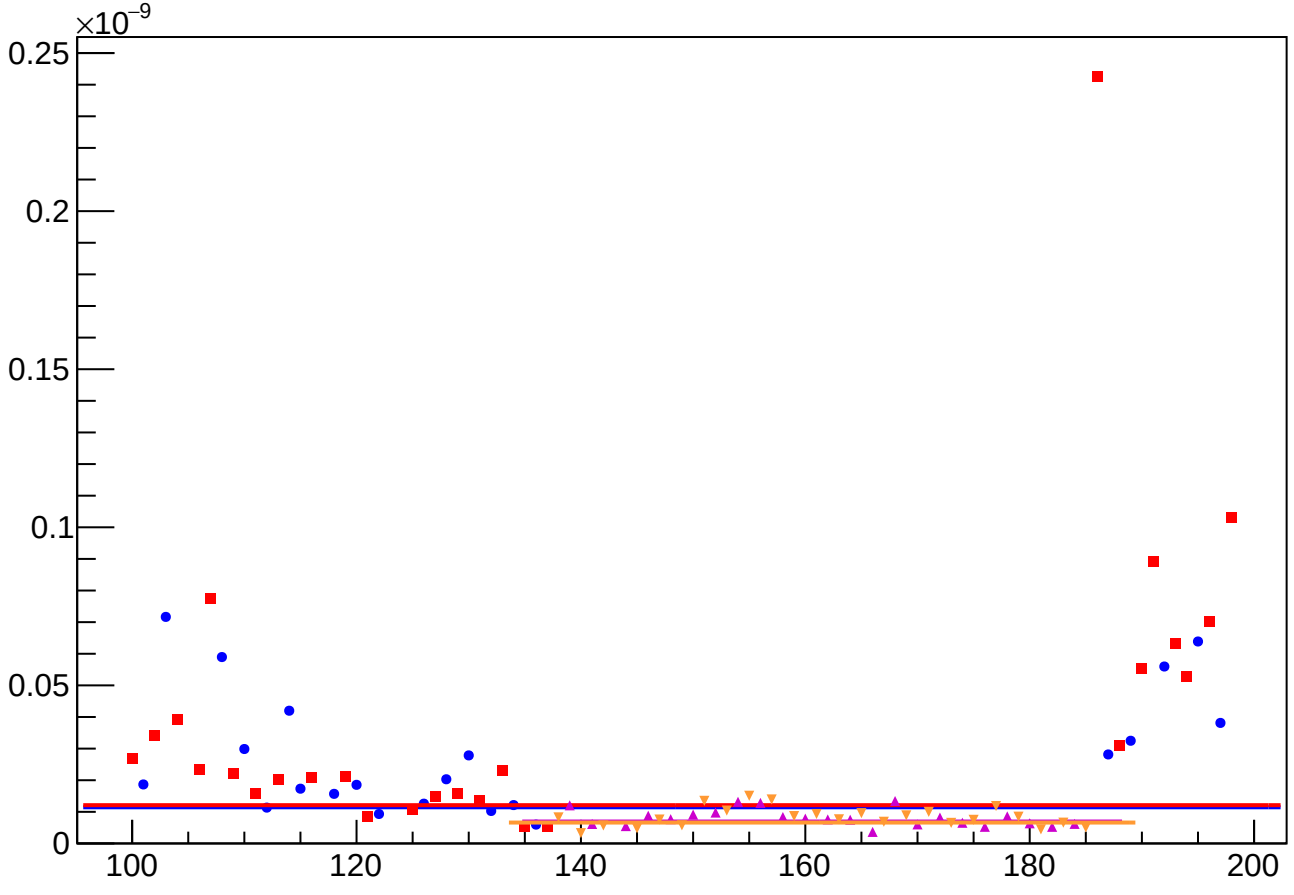
Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/25

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.6/44

All: 0.000+/-0.000 χ^2/NDF: 87.8/93

- sign 0.000+/-0.000 χ^2/NDF: 53.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 4978127.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7136210.6/25

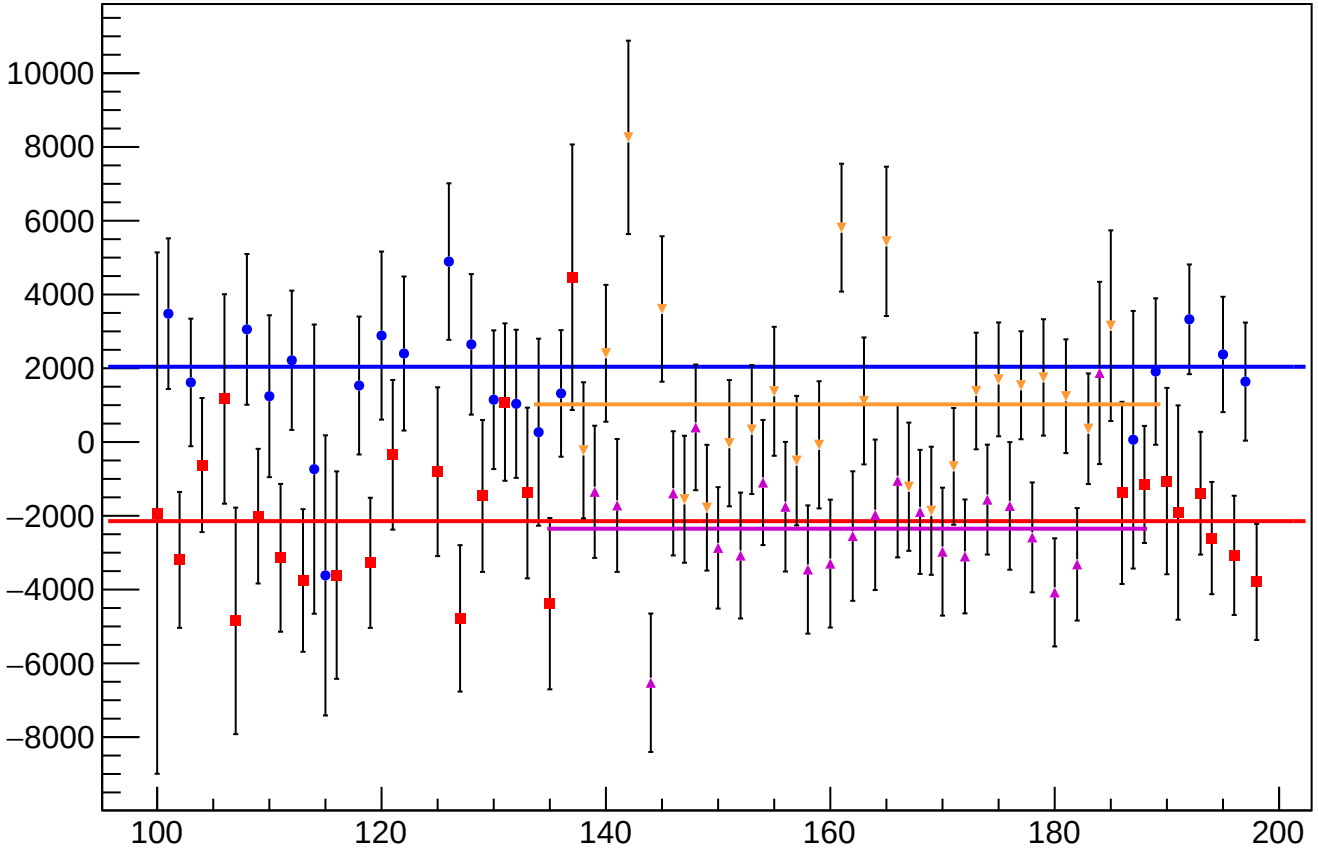
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9734076.1/44

All: 0.000+/-0.000 χ^2/NDF: 20563844.4/93

- sign 0.000+/-0.000 χ^2/NDF: 10798038.7/48

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2040.789+/-436.223 χ^2/NDF: 8.1/20

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2144.814+/-404.246 χ^2/NDF: 16.9/25

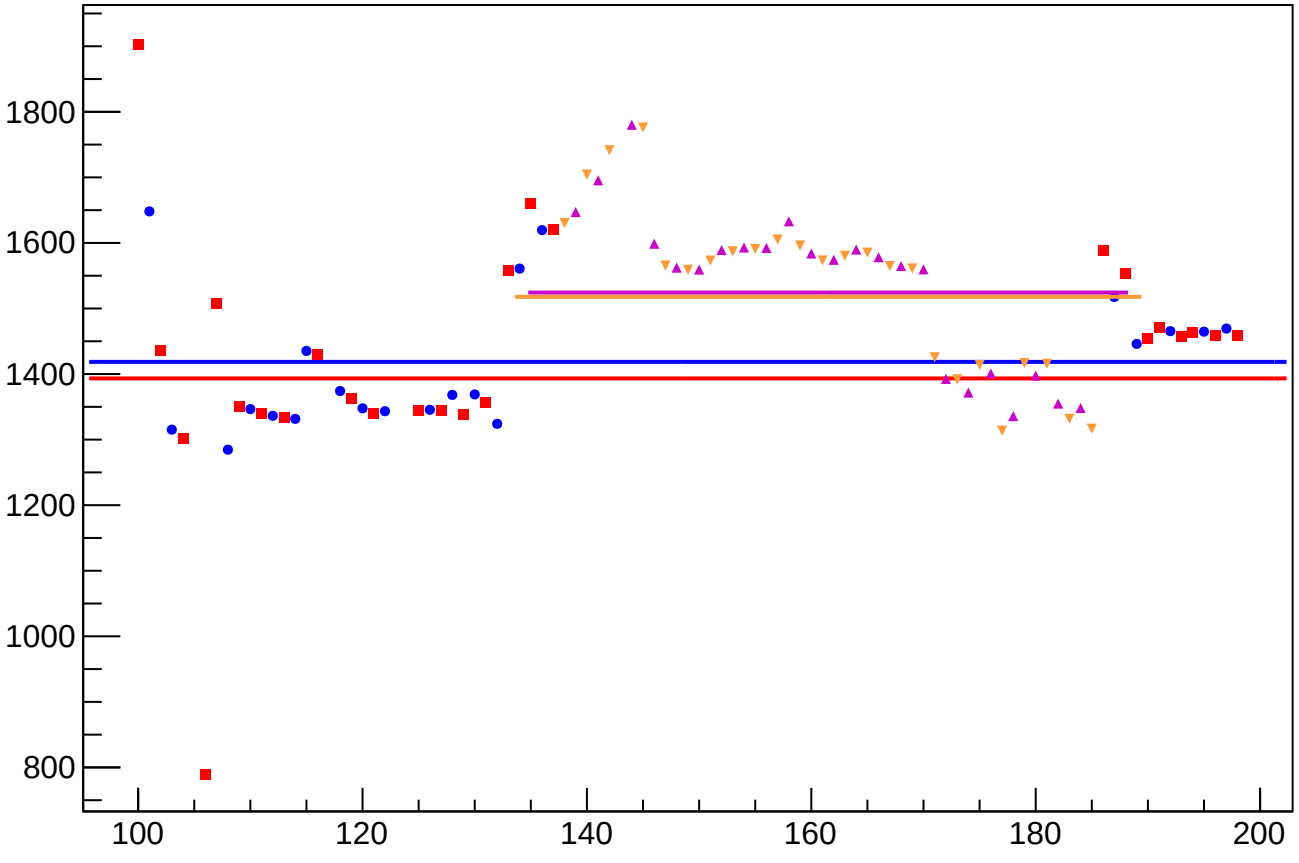
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1426.142+/-274.624 χ^2/NDF: 47.9/44

All: -464.349+/-191.664 χ^2/NDF: 173.3/93

- sign -2259.618+/-267.618 χ^2/NDF: 33.0/48

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1418.590+/-0.308 χ^2/NDF: 104706.7/20

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

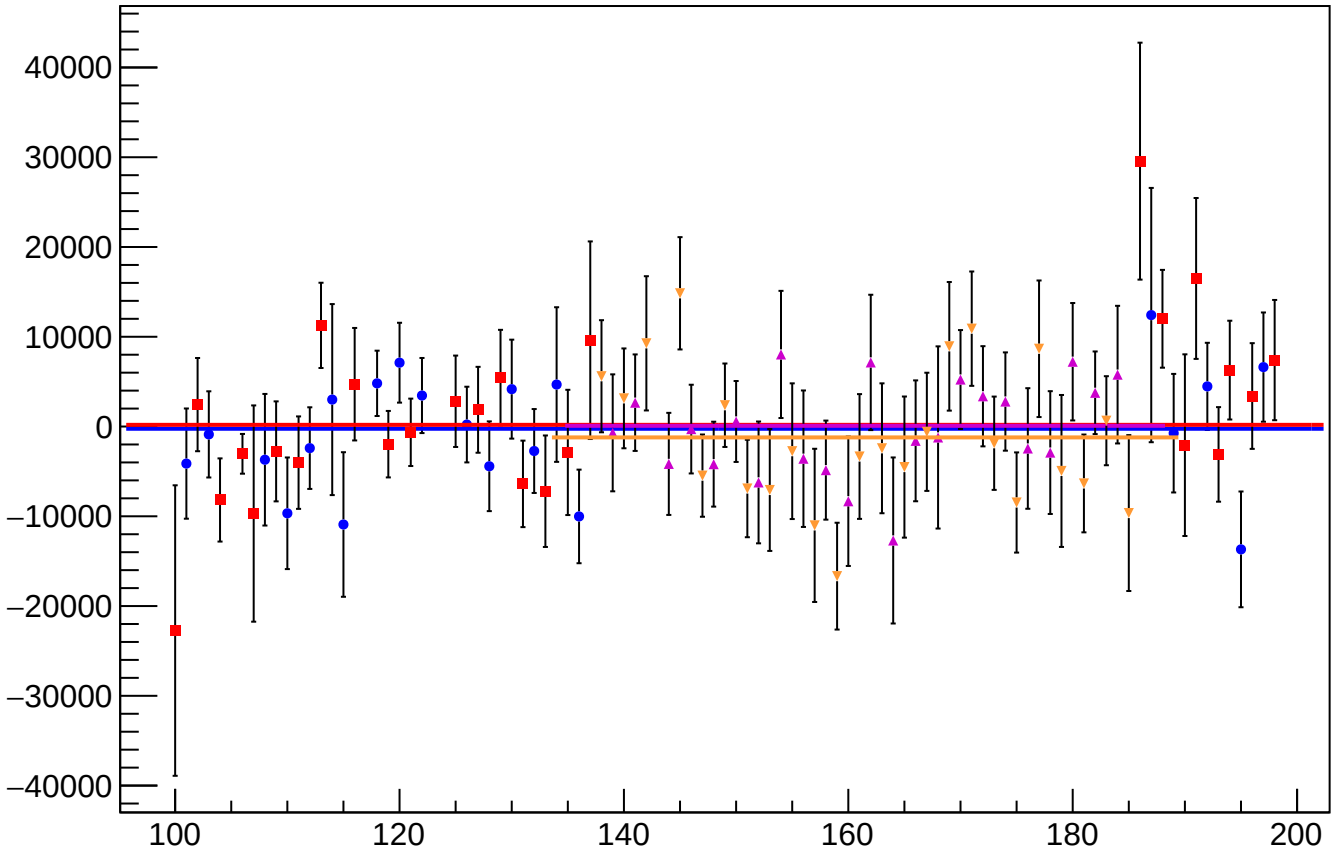
Right Out: 1393.347+/-0.280 χ^2/NDF: 391351.4/25

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.489+/-0.194 χ^2/NDF: 401132.9/44

All: 1471.852+/-0.135 χ^2/NDF: 1139572.2/93

- sign 1465.656+/-0.188 χ^2/NDF: 736180.6/48



Right In: -249.274+/-1181.120 χ^2/NDF: 23.3/20

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 187.591+/-1010.562 χ^2/NDF: 37.2/25

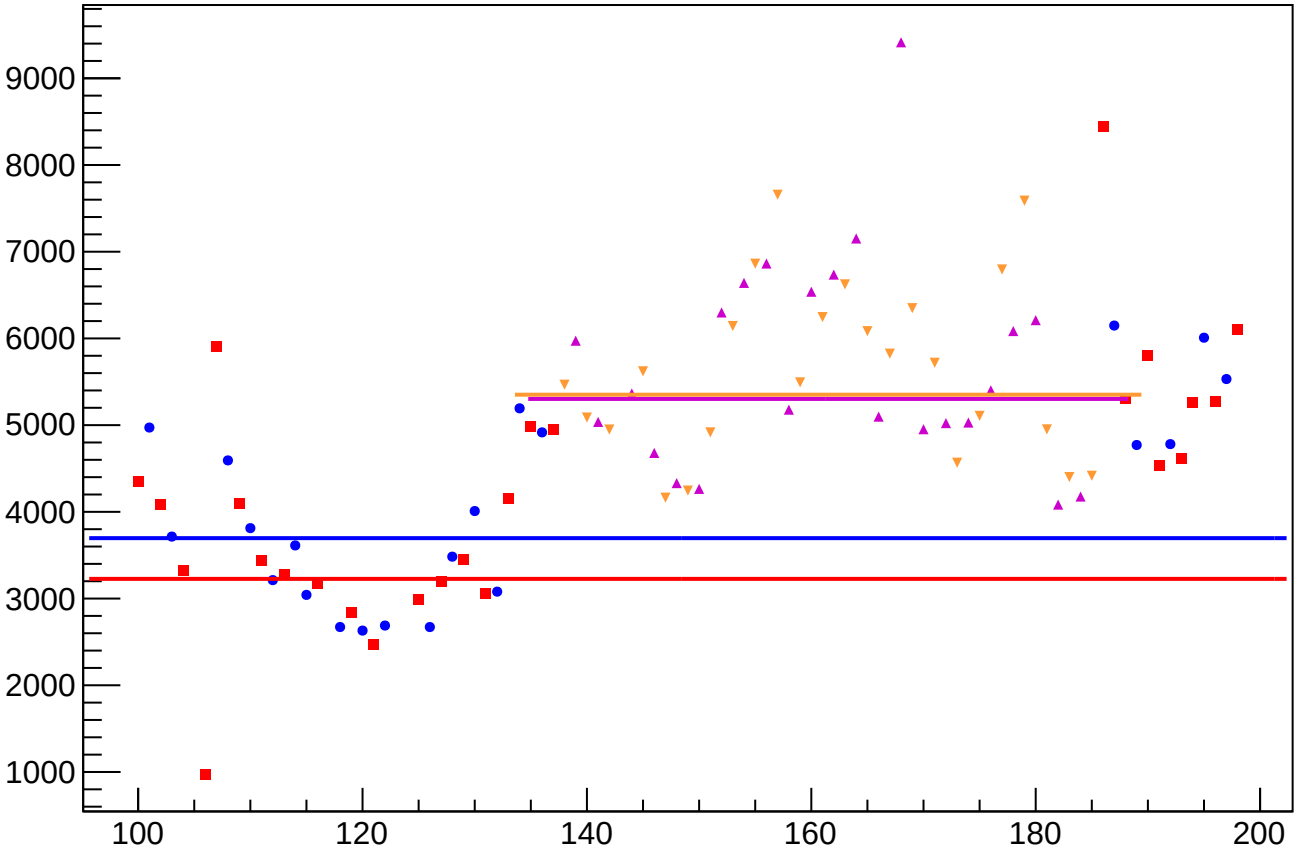
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -696.359+/-864.361 χ^2/NDF: 56.9/44

All: -237.096+/-582.889 χ^2/NDF: 107.8/93

- sign 145.954+/-789.390 χ^2/NDF: 50.4/48

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3696.812+/-0.835 χ^2/NDF: 1527280.3/20

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3226.985+/-0.715 χ^2/NDF: 4428002.2/25

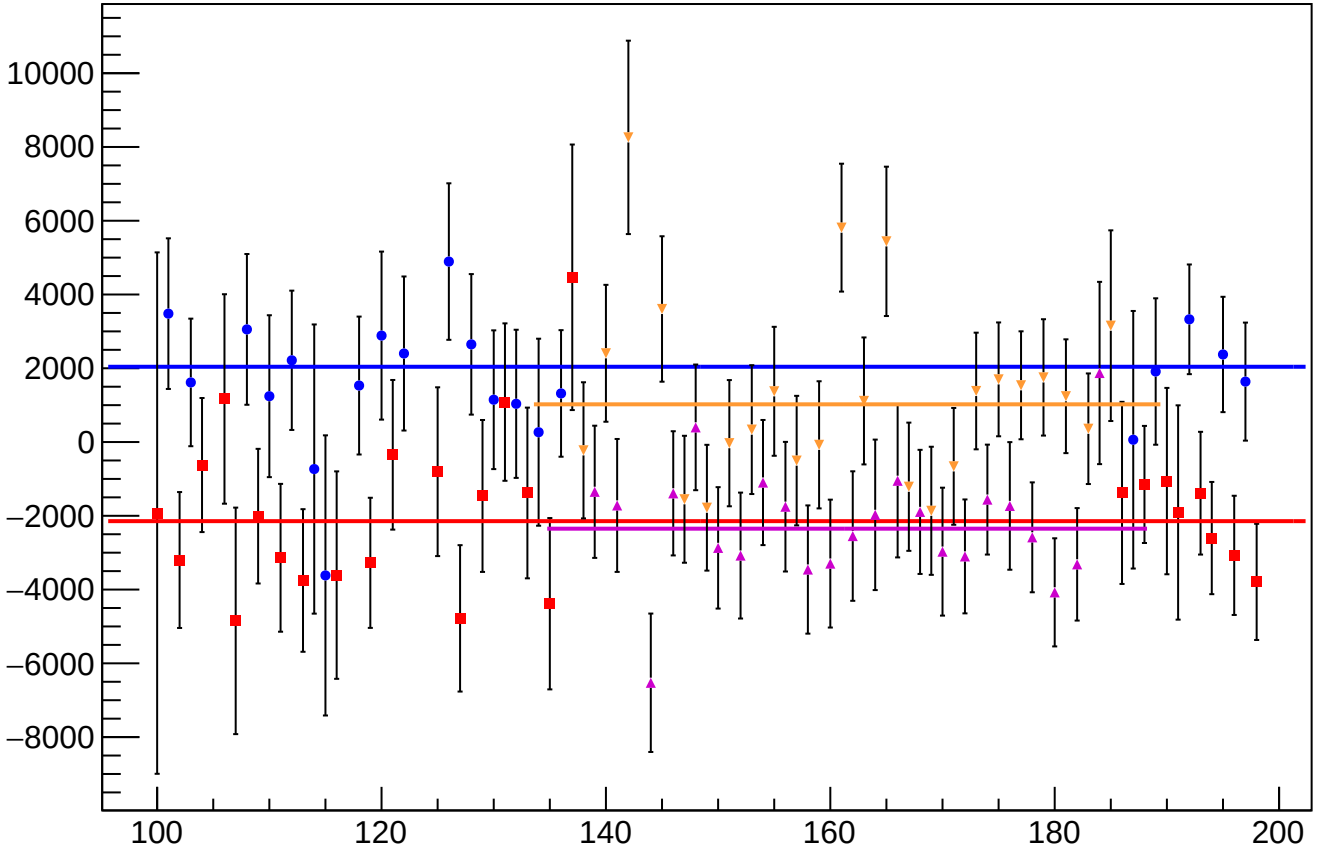
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4465.153+/-0.611 χ^2/NDF: 4415600.9/44

All: 4231.129+/-0.412 χ^2/NDF: 13656474.9/9

- sign 4035.941+/-0.558 χ^2/NDF: 8971985.1/48

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2040.839+/-436.224 χ^2/NDF: 8.1/20

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2144.942+/-404.248 χ^2/NDF: 16.9/25

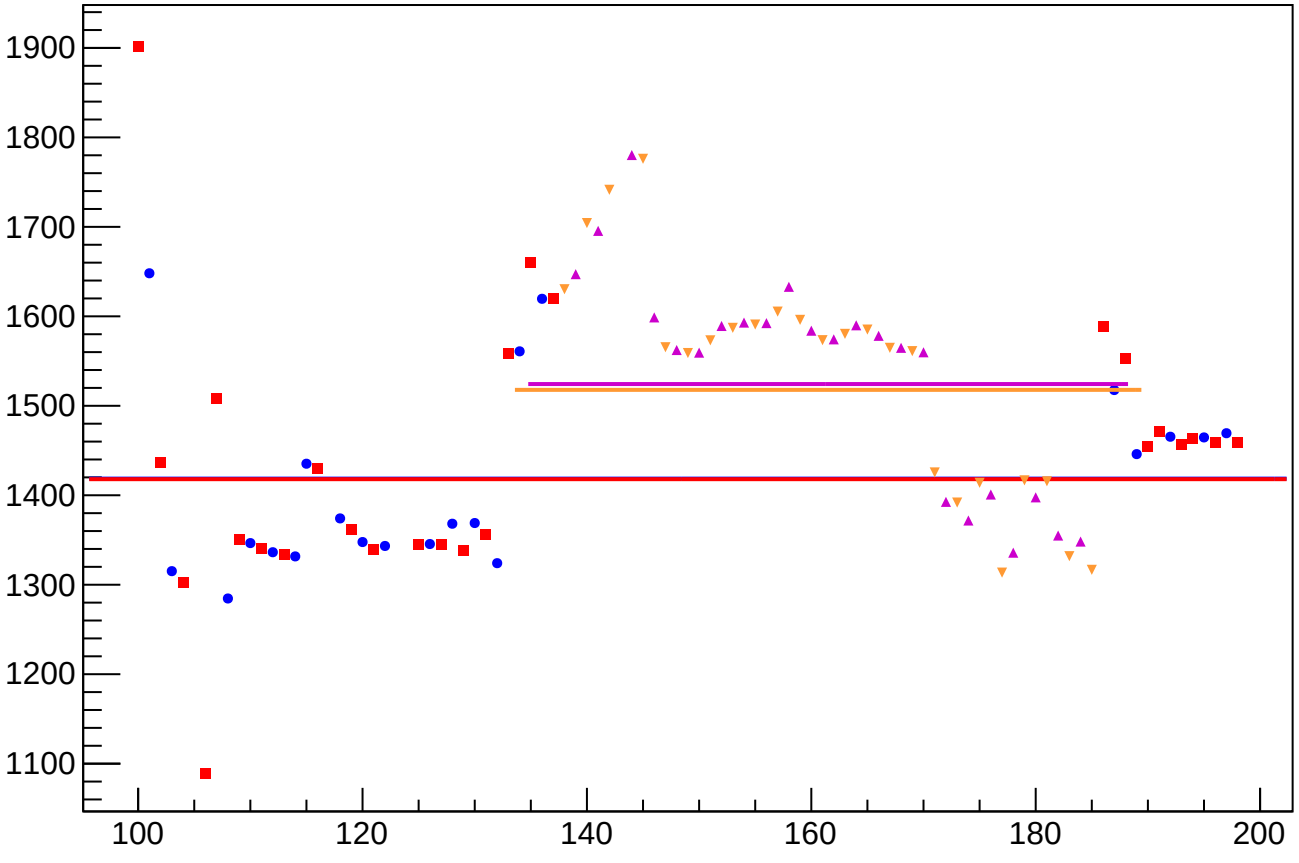
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1426.180+/-274.624 χ^2/NDF: 47.9/44

All: -464.355+/-191.664 χ^2/NDF: 173.3/93

- sign -2259.673+/-267.619 χ^2/NDF: 33.0/48

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1418.589+/-0.308 χ^2/NDF: 104706.7/20

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

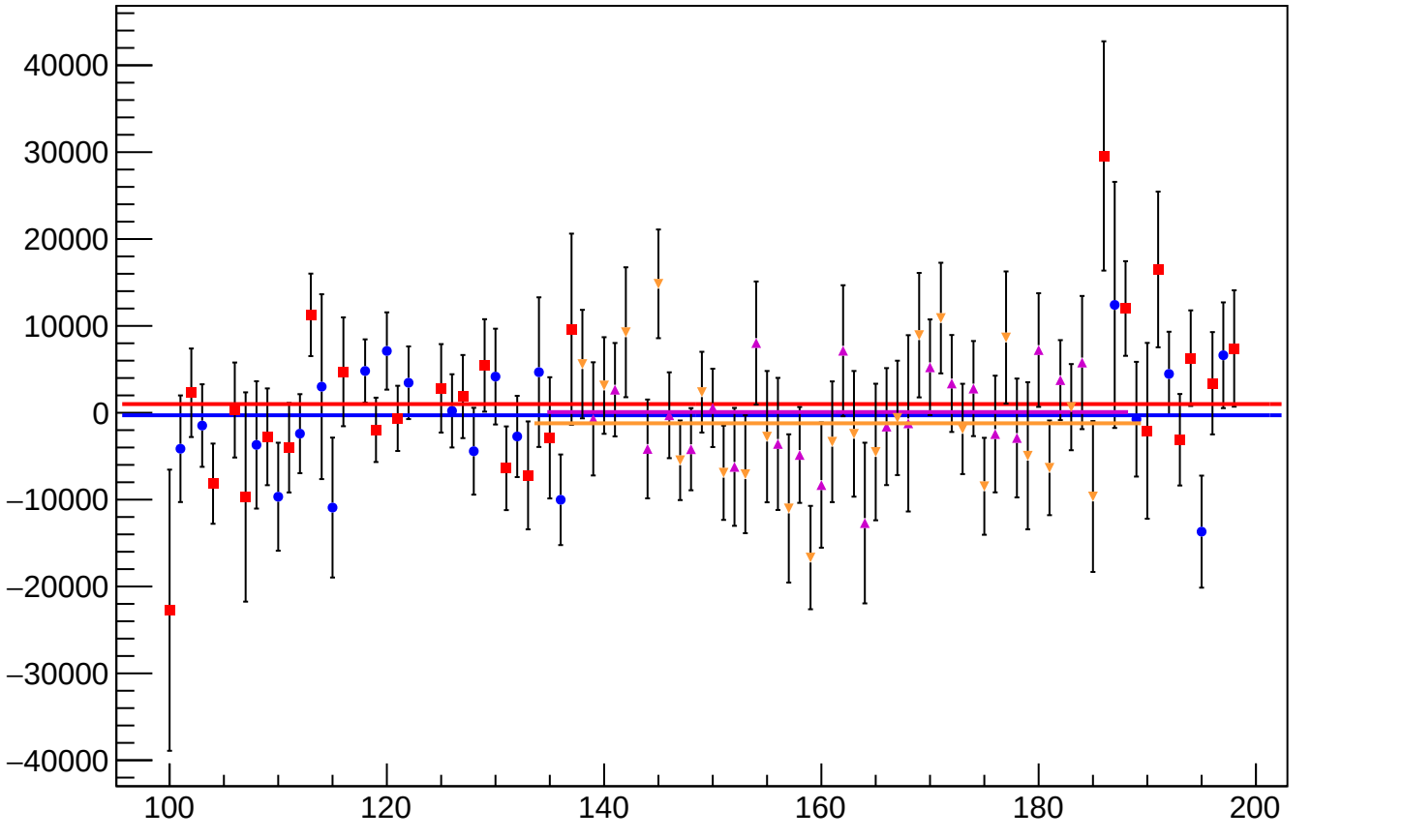
Right Out: 1417.988+/-0.284 χ^2/NDF: 158010.9/25

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.489+/-0.194 χ^2/NDF: 401133.0/44

All: 1477.871+/-0.135 χ^2/NDF: 861917.8/93

- sign 1477.289+/-0.189 χ^2/NDF: 460765.1/48



Right In: -287.245+/-1180.374 χ^2/NDF: 23.3/20

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

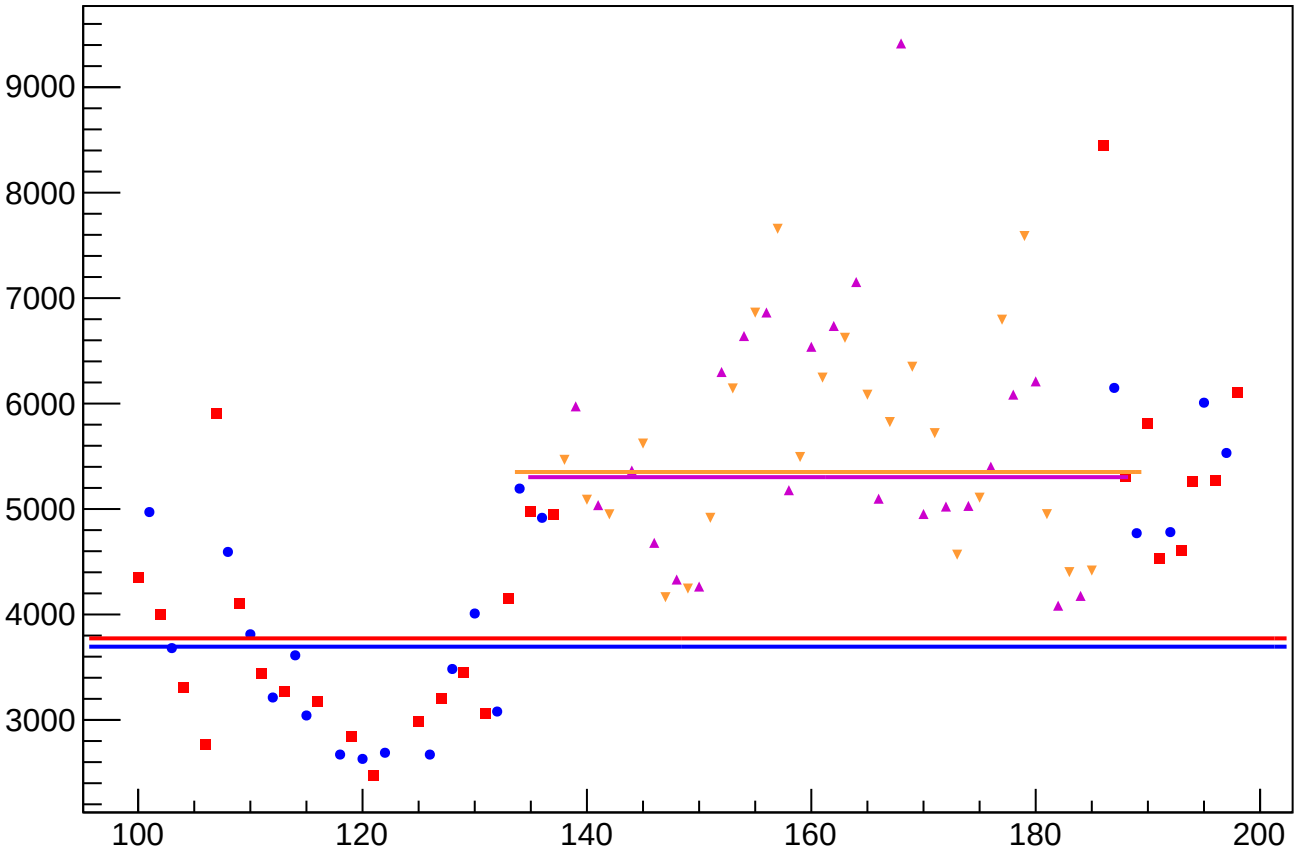
Right Out: 1000.399+/-1110.821 χ^2/NDF: 34.6/25

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -716.402+/-864.069 χ^2/NDF: 56.9/44

All: -35.422+/-600.259 χ^2/NDF: 106.1/93

- sign 599.737+/-834.492 χ^2/NDF: 48.1/48



Right In: 3694.746+/-0.835 χ^2/NDF: 1527165.9/20

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3773.472+/-0.785 χ^2/NDF: 1869839.5/25

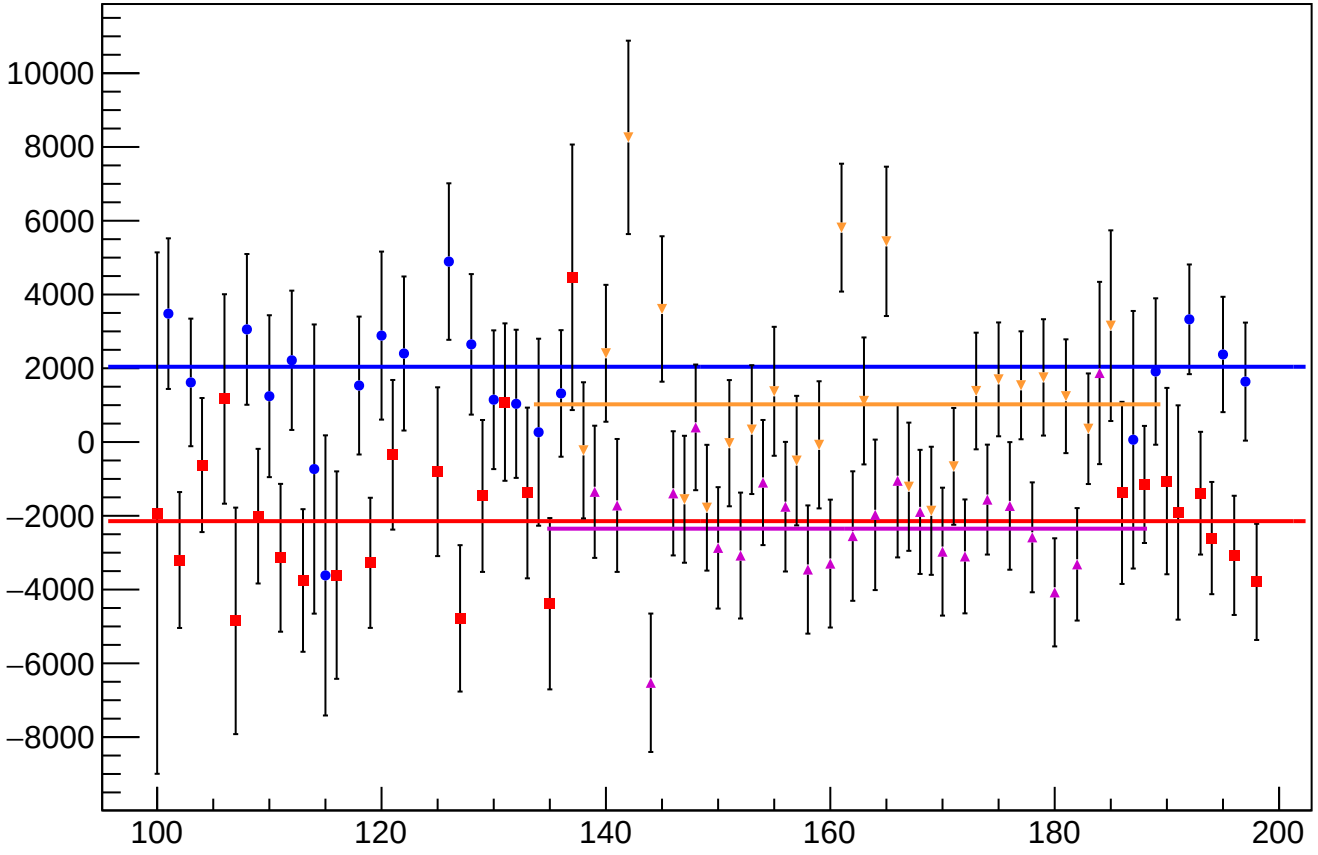
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4463.527+/-0.611 χ^2/NDF: 4421119.0/44

All: 4451.062+/-0.424 χ^2/NDF: 9198209.8/93

- sign 4439.436+/-0.590 χ^2/NDF: 4776286.4/48

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2040.839+/-436.224 χ^2/NDF: 8.1/20

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2144.942+/-404.248 χ^2/NDF: 16.9/25

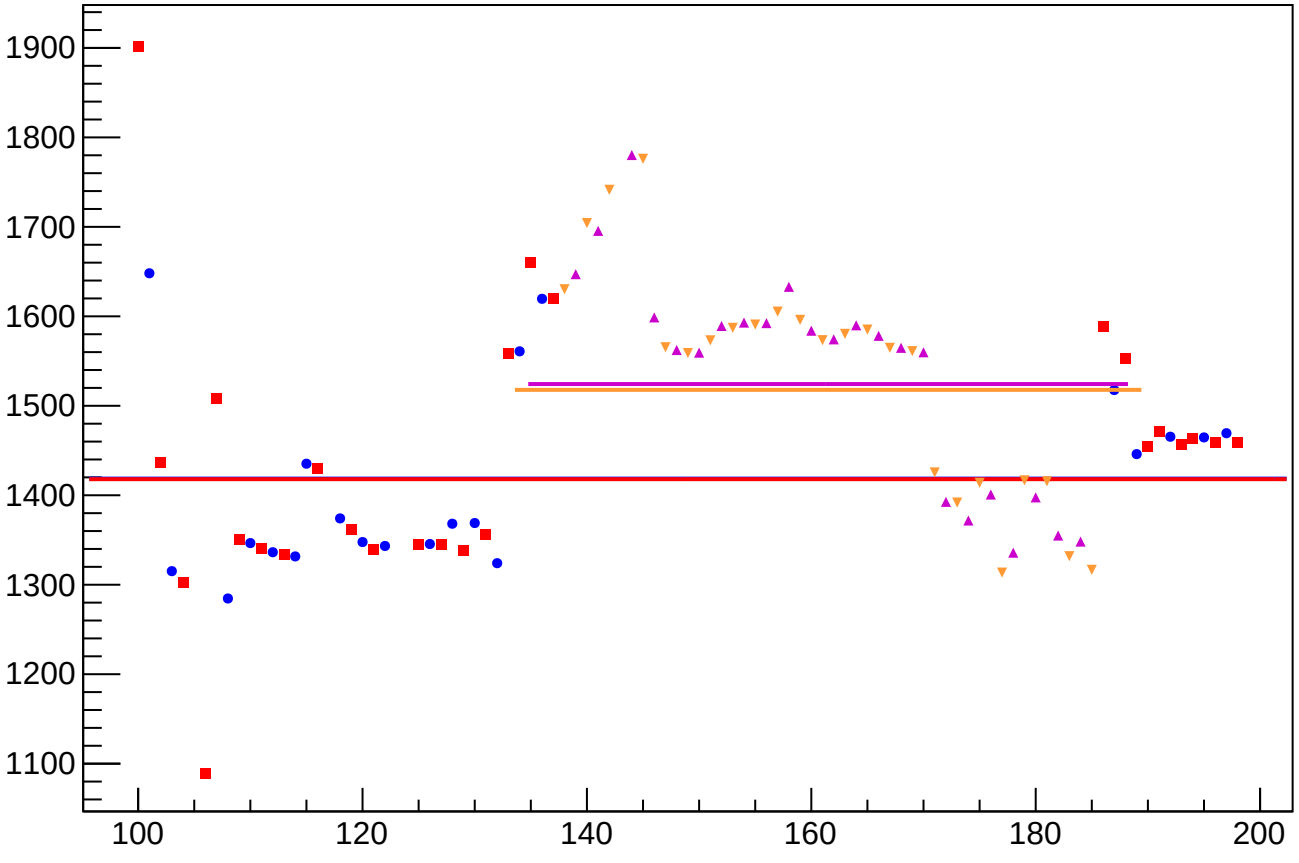
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1426.180+/-274.624 χ^2/NDF: 47.9/44

All: -464.355+/-191.664 χ^2/NDF: 173.3/93

- sign -2259.673+/-267.619 χ^2/NDF: 33.0/48

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1418.589+/-0.308 χ^2/NDF: 104706.7/20

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

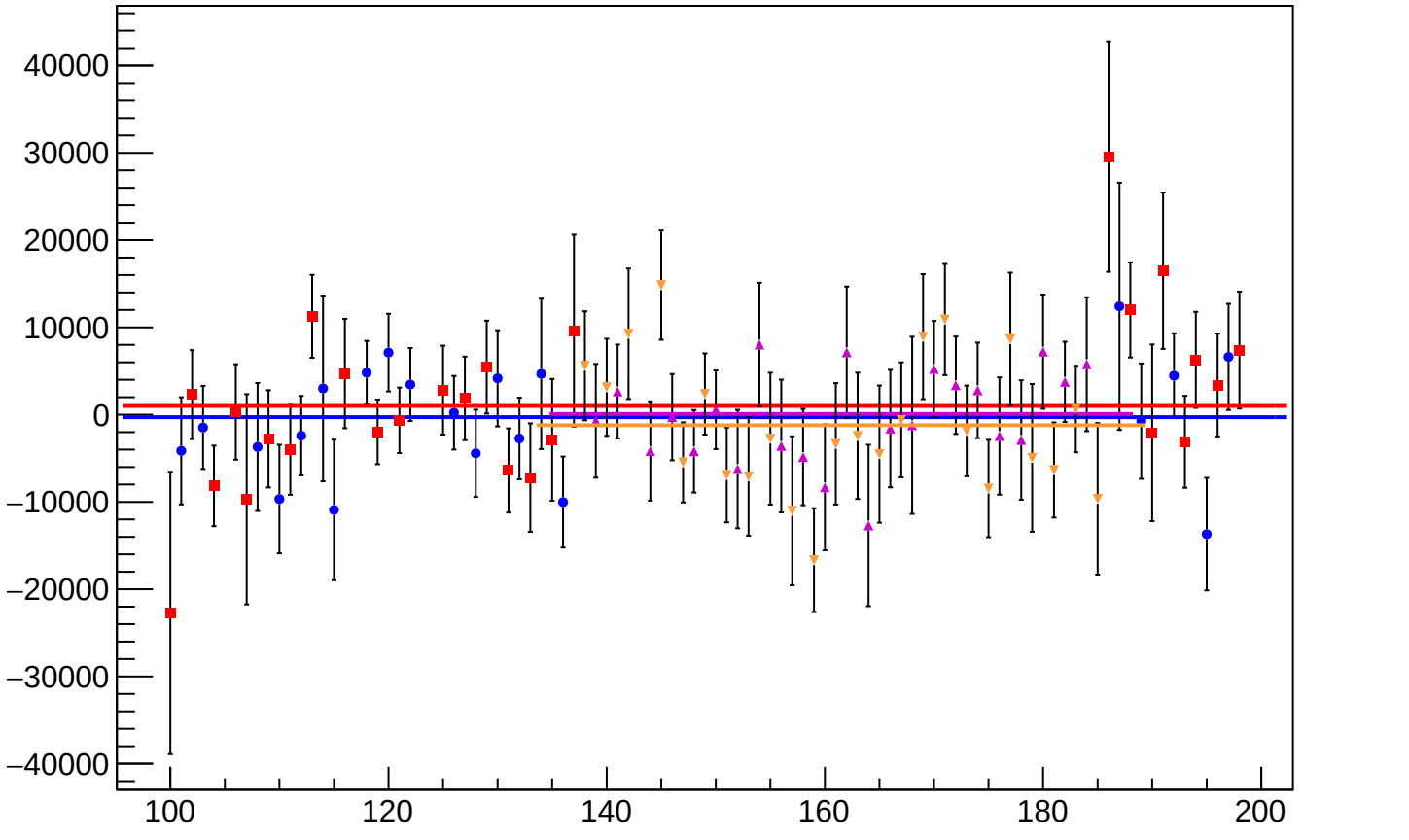
Right Out: 1417.988+/-0.284 χ^2/NDF: 158010.9/25

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.489+/-0.194 χ^2/NDF: 401133.0/44

All: 1477.871+/-0.135 χ^2/NDF: 861917.8/93

- sign 1477.289+/-0.189 χ^2/NDF: 460765.1/48



Right In: -287.245+/-1180.374 χ^2/NDF: 23.3/20

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 1000.399+/-1110.821 χ^2/NDF: 34.6/25

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -716.402+/-864.069 χ^2/NDF: 56.9/44

All: -35.422+/-600.259 χ^2/NDF: 106.1/93

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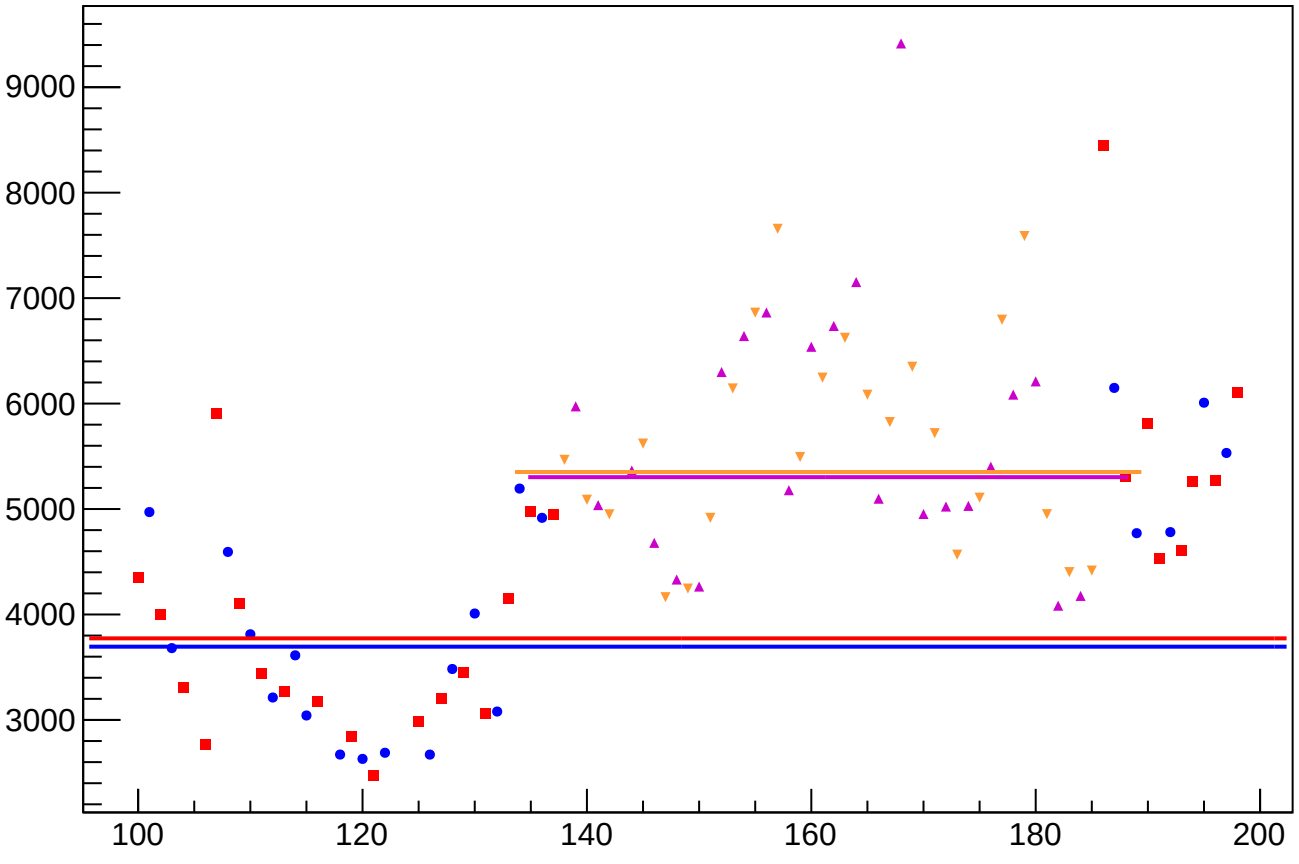


Right In: 3694.746+/-0.835 χ^2/NDF: 1527165.9/20

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3773.472+/-0.785 χ^2/NDF: 1869839.5/25

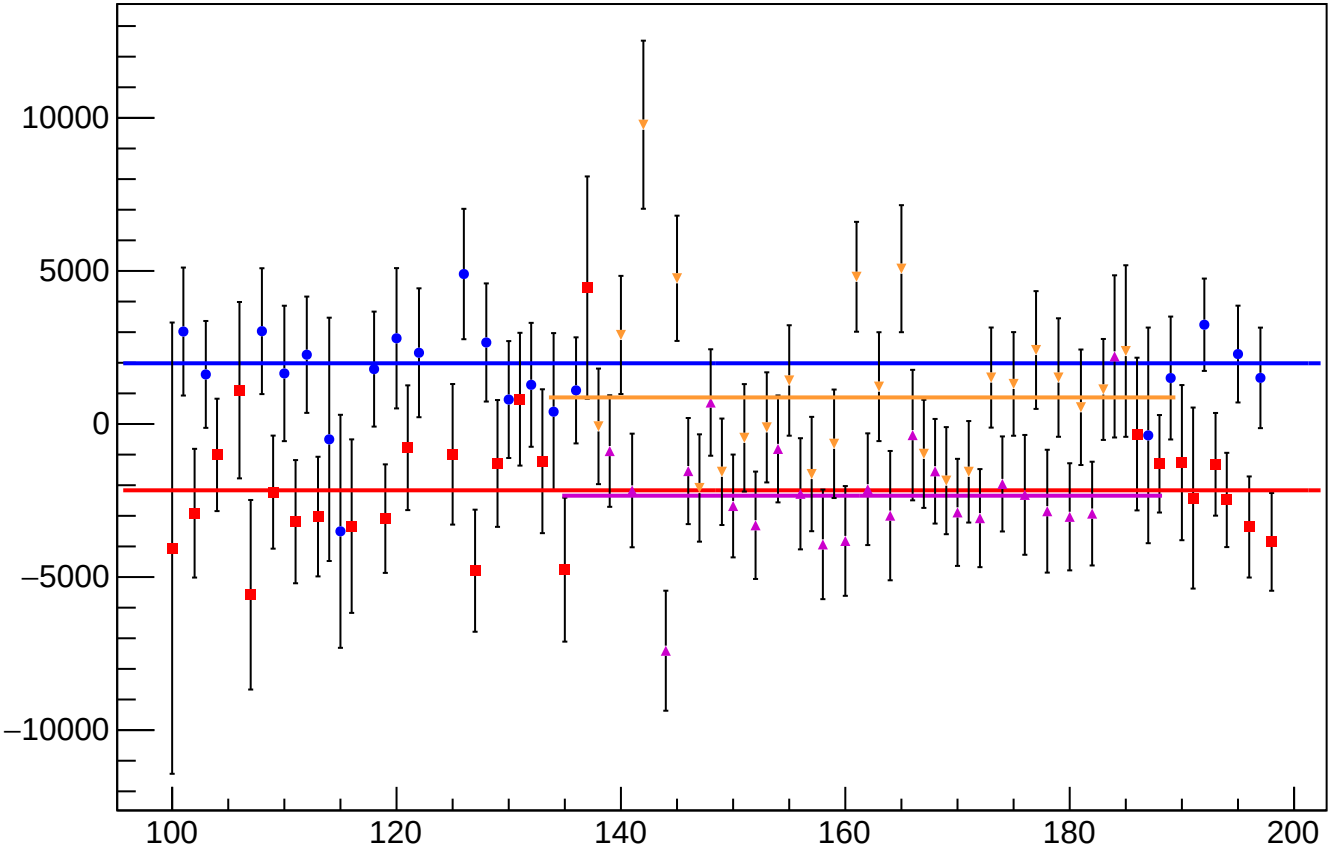
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4463.527+/-0.611 χ^2/NDF: 4421119.0/44

All: 4451.062+/-0.424 χ^2/NDF: 9198209.8/93

- sign 4439.436+/-0.590 χ^2/NDF: 4776286.4/48

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1983.643+/-441.173 χ^2/NDF: 7.7/20

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2166.242+/-410.386 χ^2/NDF: 16.1/25

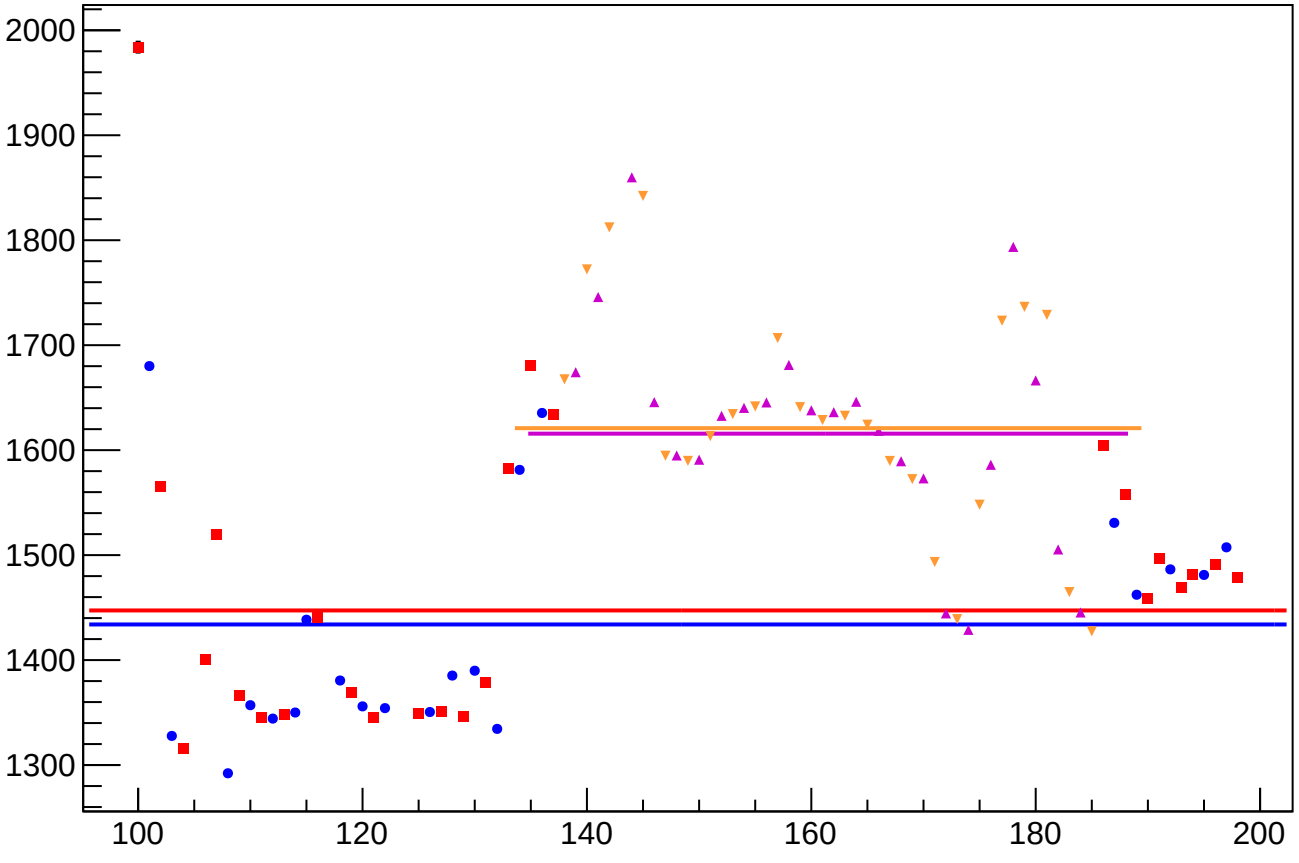
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1339.351+/-286.687 χ^2/NDF: 51.1/44

All: -515.940+/-199.604 χ^2/NDF: 166.7/93

- sign -2261.466+/-278.077 χ^2/NDF: 34.3/48

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1433.940+/-0.312 χ^2/NDF: 113186.6/20

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1447.285+/-0.290 χ^2/NDF: 120288.5/25

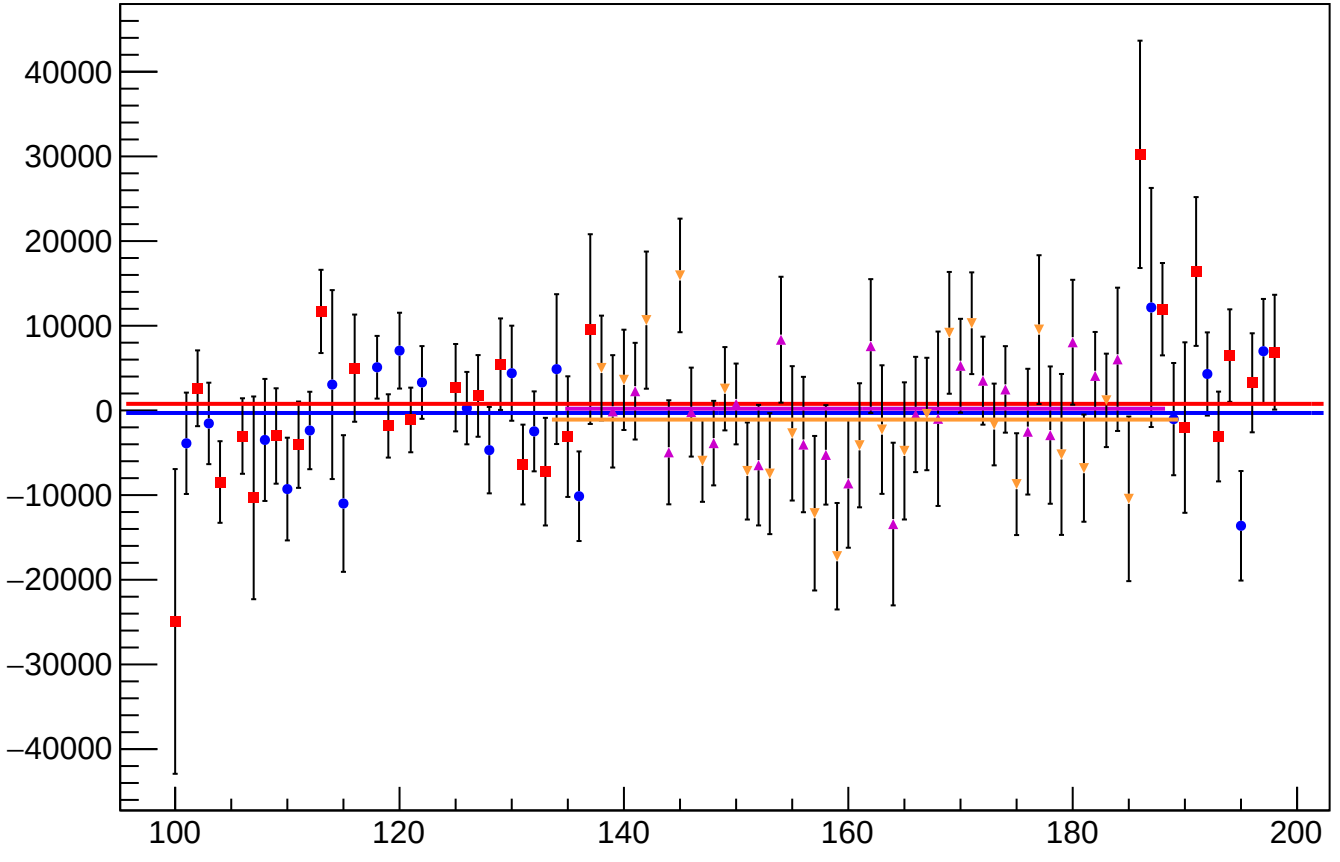
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1541.977+/-0.203 χ^2/NDF: 462776.6/44

All: 1540.051+/-0.141 χ^2/NDF: 902882.7/93

- sign 1538.242+/-0.196 χ^2/NDF: 439931.0/48

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -301.459+/-1192.467 χ^2/NDF: 23.2/20

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 775.434+/-1101.507 χ^2/NDF: 35.5/25

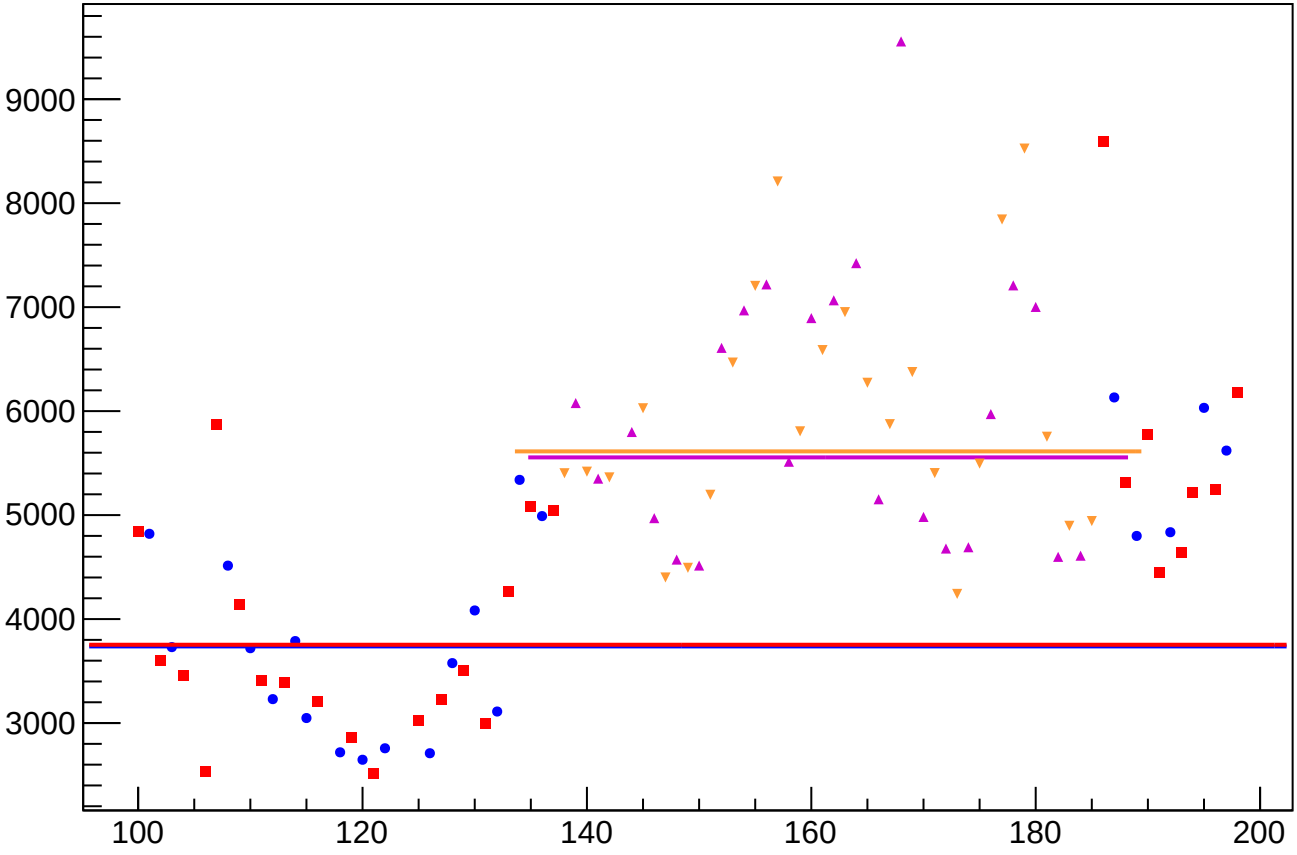
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -648.705+/-888.571 χ^2/NDF: 56.3/44

All: -25.511+/-613.219 χ^2/NDF: 105.8/93

- sign 541.196+/-847.343 χ^2/NDF: 48.5/48

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3737.205+/-0.843 χ^2/NDF: 1486336.1/20

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3753.187+/-0.779 χ^2/NDF: 1927073.2/25

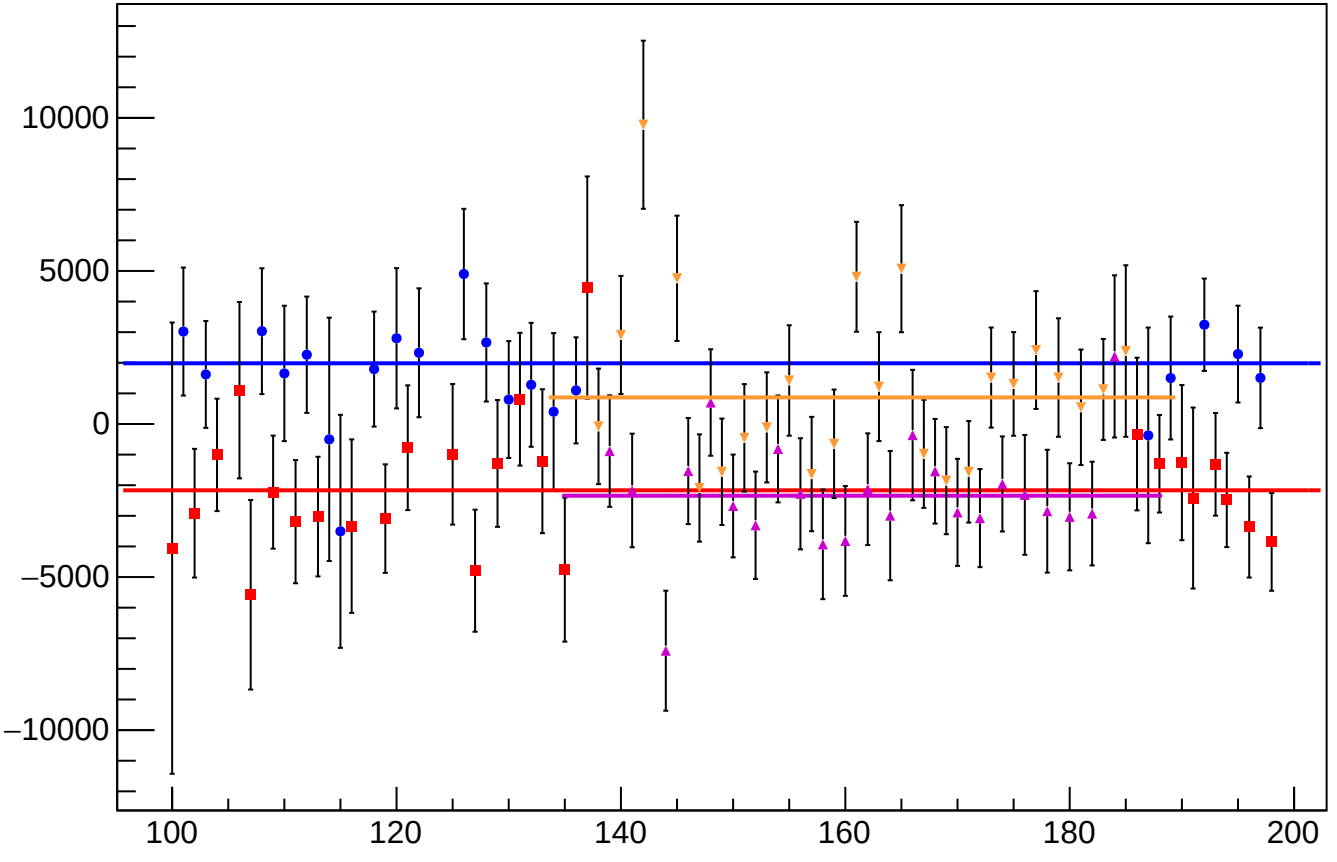
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4571.339+/-0.628 χ^2/NDF: 4874824.7/44

All: 4528.075+/-0.434 χ^2/NDF: 10328448.3/9

- sign 4488.733+/-0.599 χ^2/NDF: 5444570.9/48

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1983.642+/-441.173 χ^2/NDF: 7.7/20

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2166.241+/-410.386 χ^2/NDF: 16.1/25

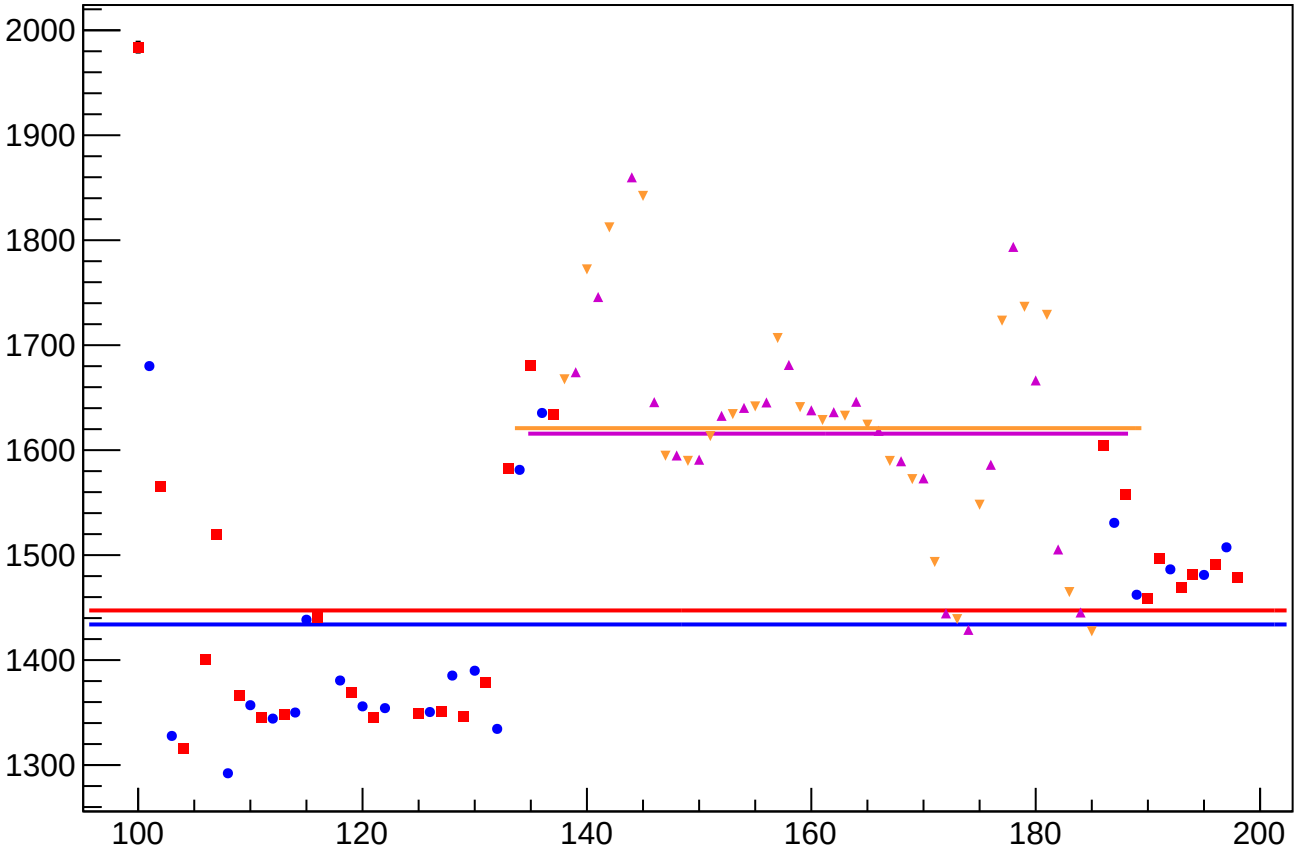
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1339.347+/-286.687 χ^2/NDF: 51.1/44

All: -515.941+/-199.605 χ^2/NDF: 166.7/93

- sign -2261.466+/-278.077 χ^2/NDF: 34.3/48

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1433.941+/-0.312 χ^2/NDF: 113186.6/20

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

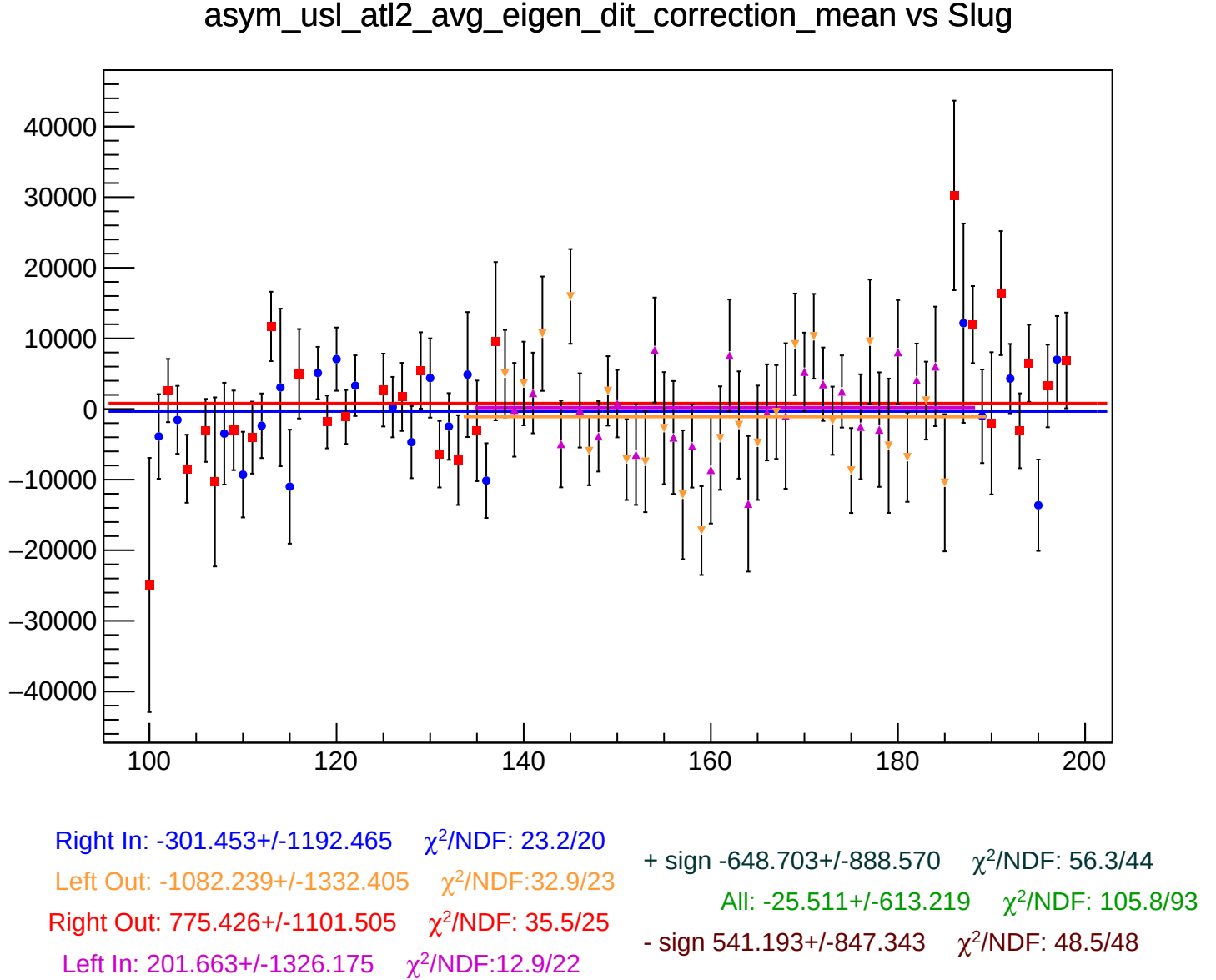
Right Out: 1447.285+/-0.290 χ^2/NDF: 120288.6/25

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

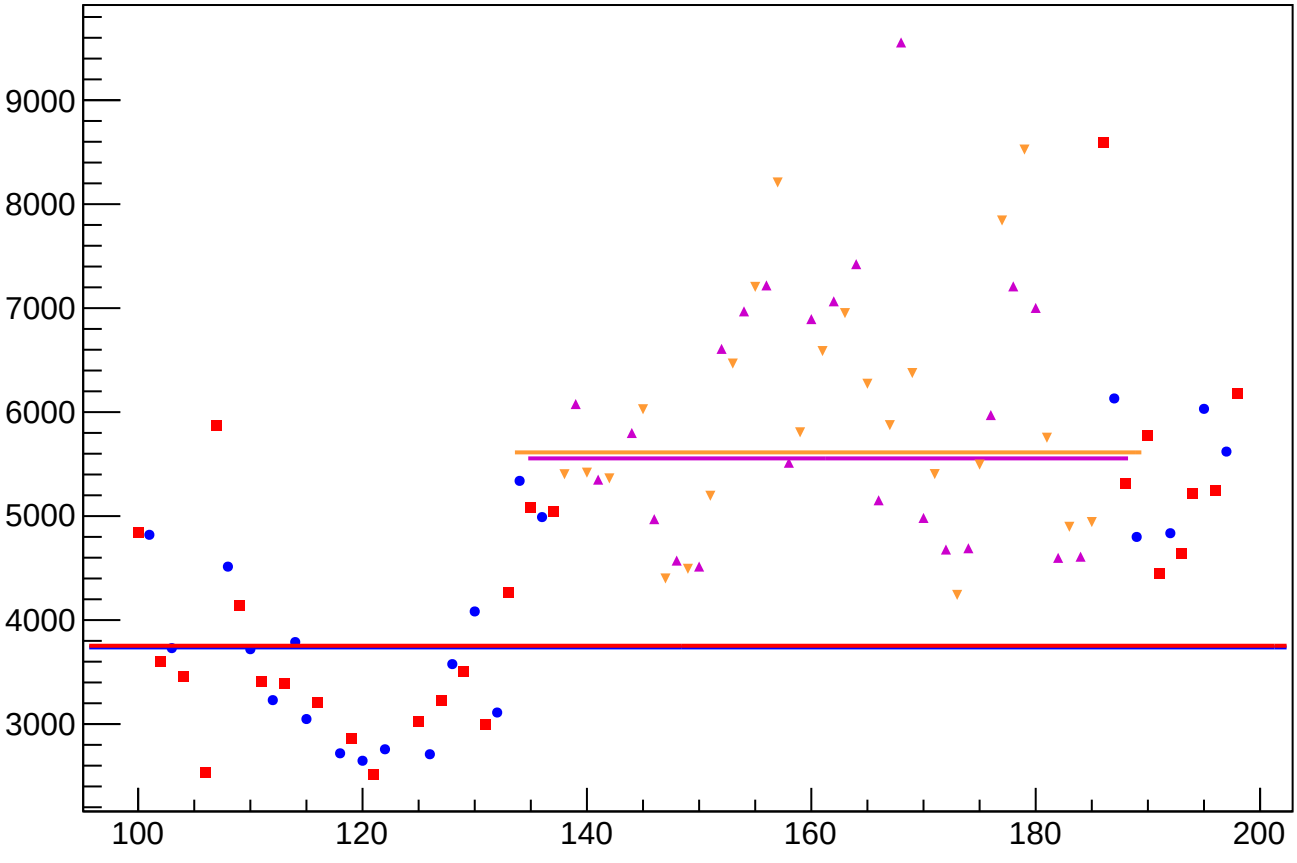
+ sign 1541.978+/-0.203 χ^2/NDF: 462784.0/44

All: 1540.052+/-0.141 χ^2/NDF: 902897.7/93

- sign 1538.242+/-0.196 χ^2/NDF: 439938.6/48


asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -301.453+/-1192.465 χ²/NDF: 23.2/20
Left Out: -1082.239+/-1332.405 χ²/NDF:32.9/23
Right Out: 775.426+/-1101.505 χ²/NDF: 35.5/25
Left In: 201.663+/-1326.175 χ²/NDF:12.9/22
+ sign -648.703+/-888.570 χ²/NDF: 56.3/44
All: -25.511+/-613.219 χ²/NDF: 105.8/93
- sign 541.193+/-847.343 χ²/NDF: 48.5/48

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3737.195+/-0.843 χ^2/NDF: 1486359.6/20

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3753.178+/-0.779 χ^2/NDF: 1927094.2/25

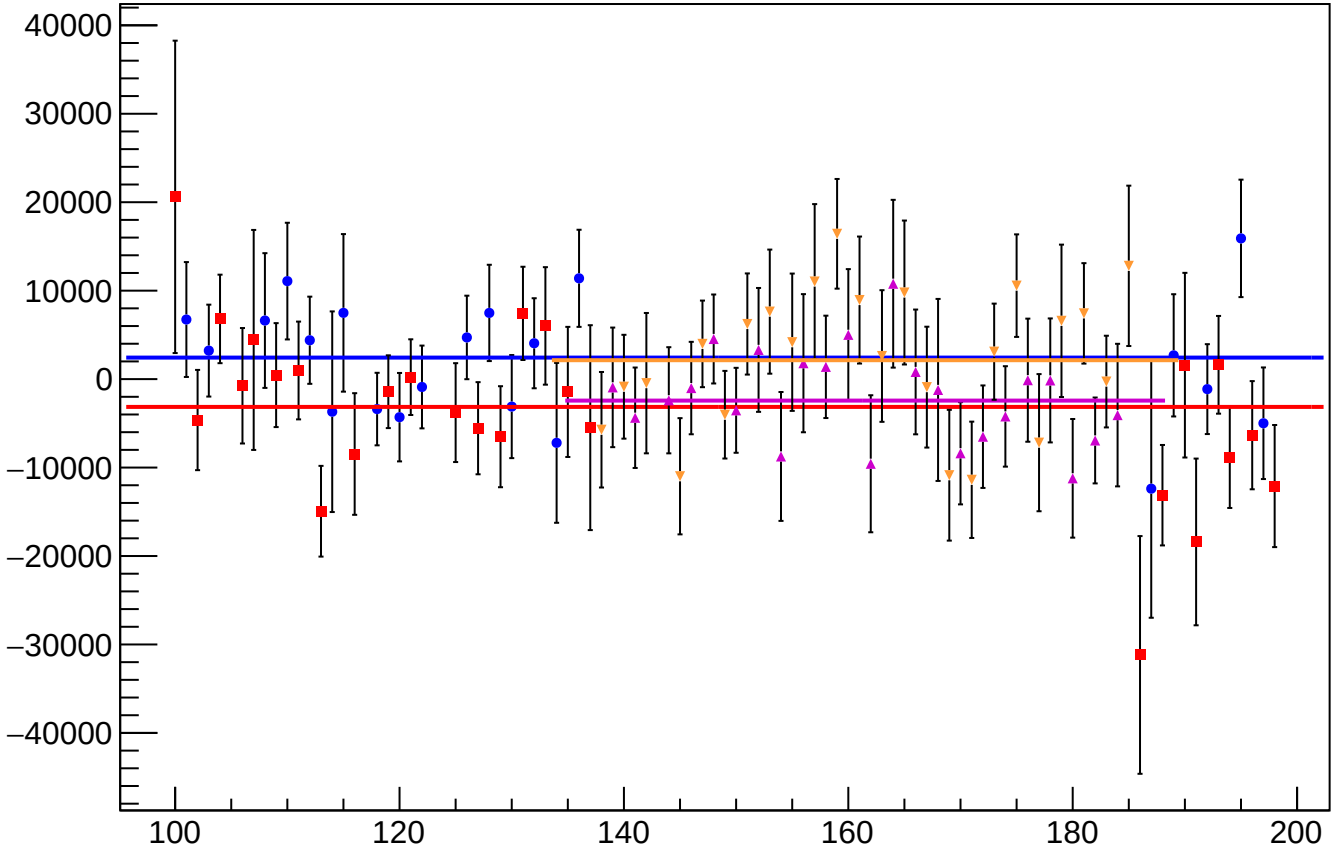
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4571.334+/-0.628 χ^2/NDF: 4874894.1/44

All: 4528.070+/-0.434 χ^2/NDF: 10328581.6/9

- sign 4488.728+/-0.599 χ^2/NDF: 5444634.8/48

asym_usl_atl2_avg_mean vs Slug



Right In: 2433.183+/-1278.282 χ^2/NDF: 20.5/20

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -3143.089+/-1202.969 χ^2/NDF: 34.5/25

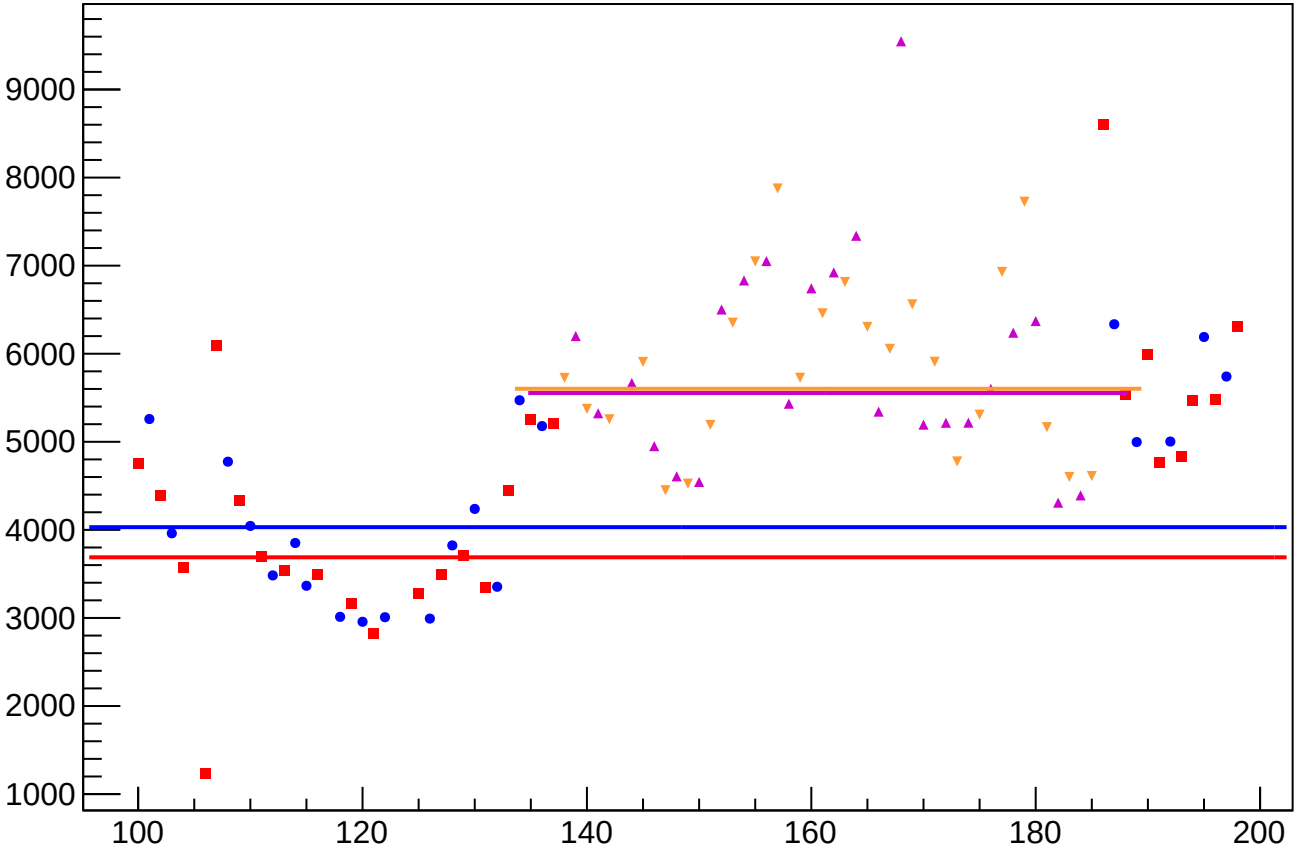
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2290.886+/-919.749 χ^2/NDF: 51.2/44

All: -349.564+/-639.383 χ^2/NDF: 114.7/93

- sign -2818.960+/-889.459 χ^2/NDF: 47.5/48

asym_usl_atl2_avg_rms vs Slug



Right In: 4030.678+/-0.904 χ^2/NDF: 1234805.9/20

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

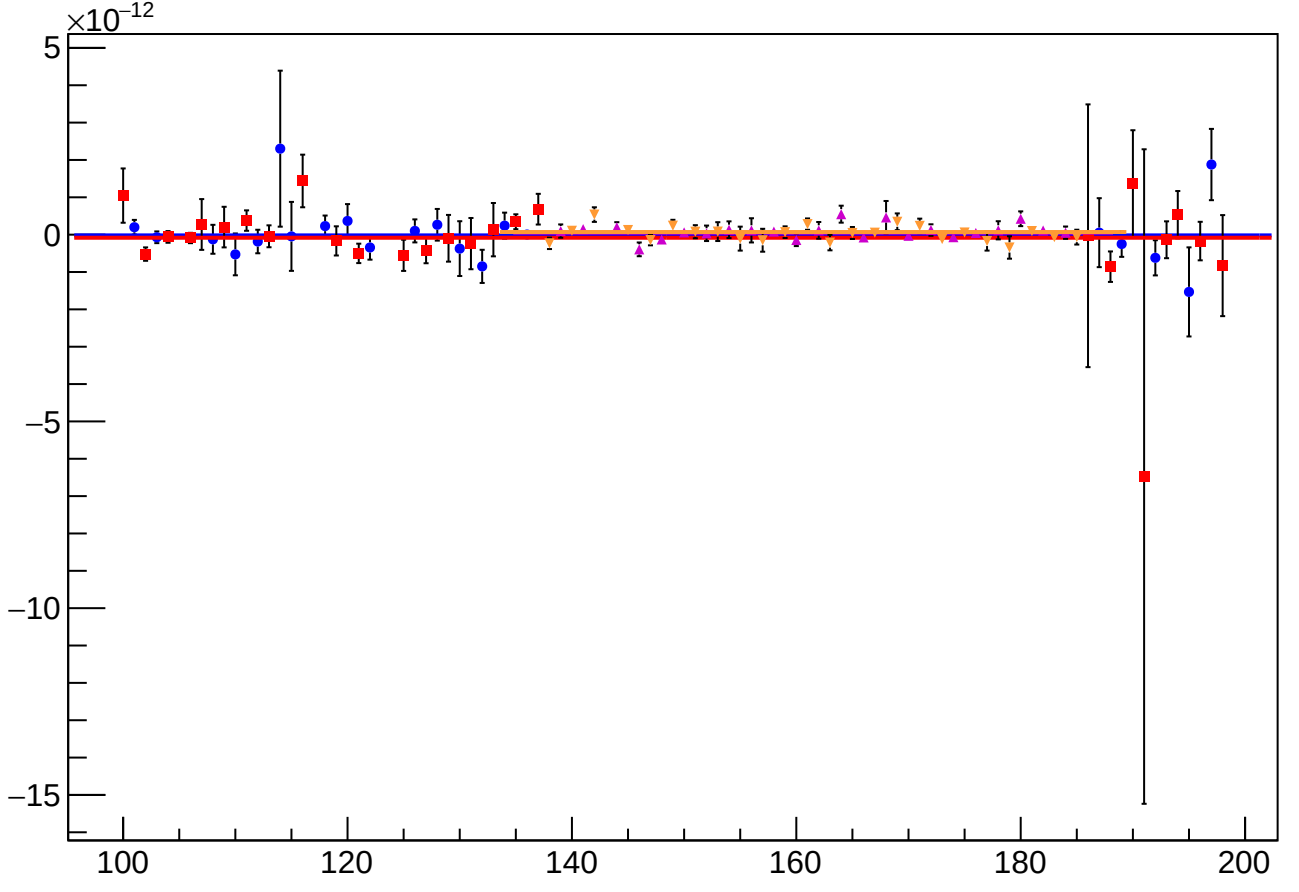
Right Out: 3688.614+/-0.795 χ^2/NDF: 3265660.0/25

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4788.639+/-0.650 χ^2/NDF: 3633278.4/44

All: 4618.973+/-0.443 χ^2/NDF: 10451321.6/9

- sign 4471.980+/-0.605 χ^2/NDF: 6691021.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/25

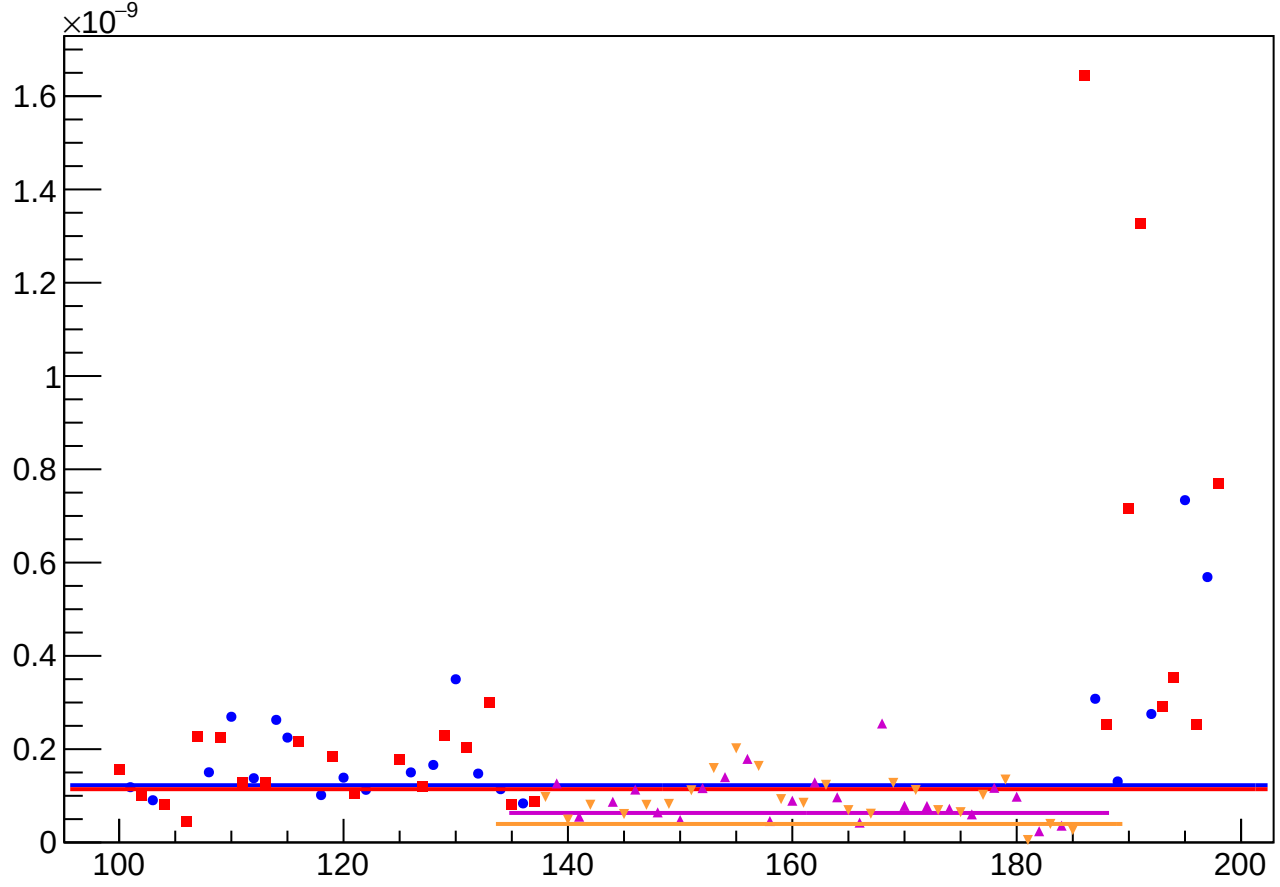
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/44

All: 0.000+/-0.000 χ^2/NDF: 114.8/93

- sign 0.000+/-0.000 χ^2/NDF: 65.3/48

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1945806.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3367545.1/25

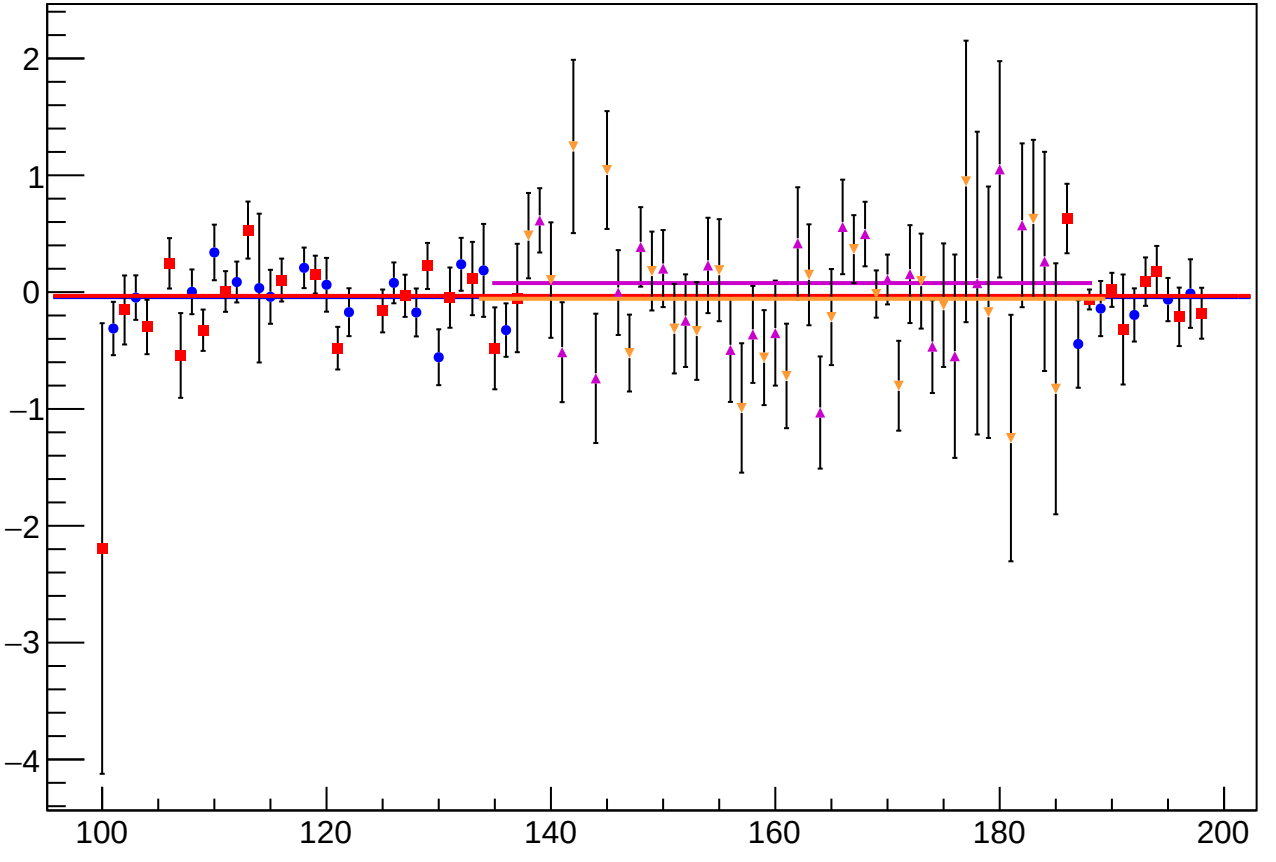
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11614817.2/44

All: 0.000+/-0.000 χ^2/NDF: 20036596.2/93

- sign 0.000+/-0.000 χ^2/NDF: 7373386.0/48

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

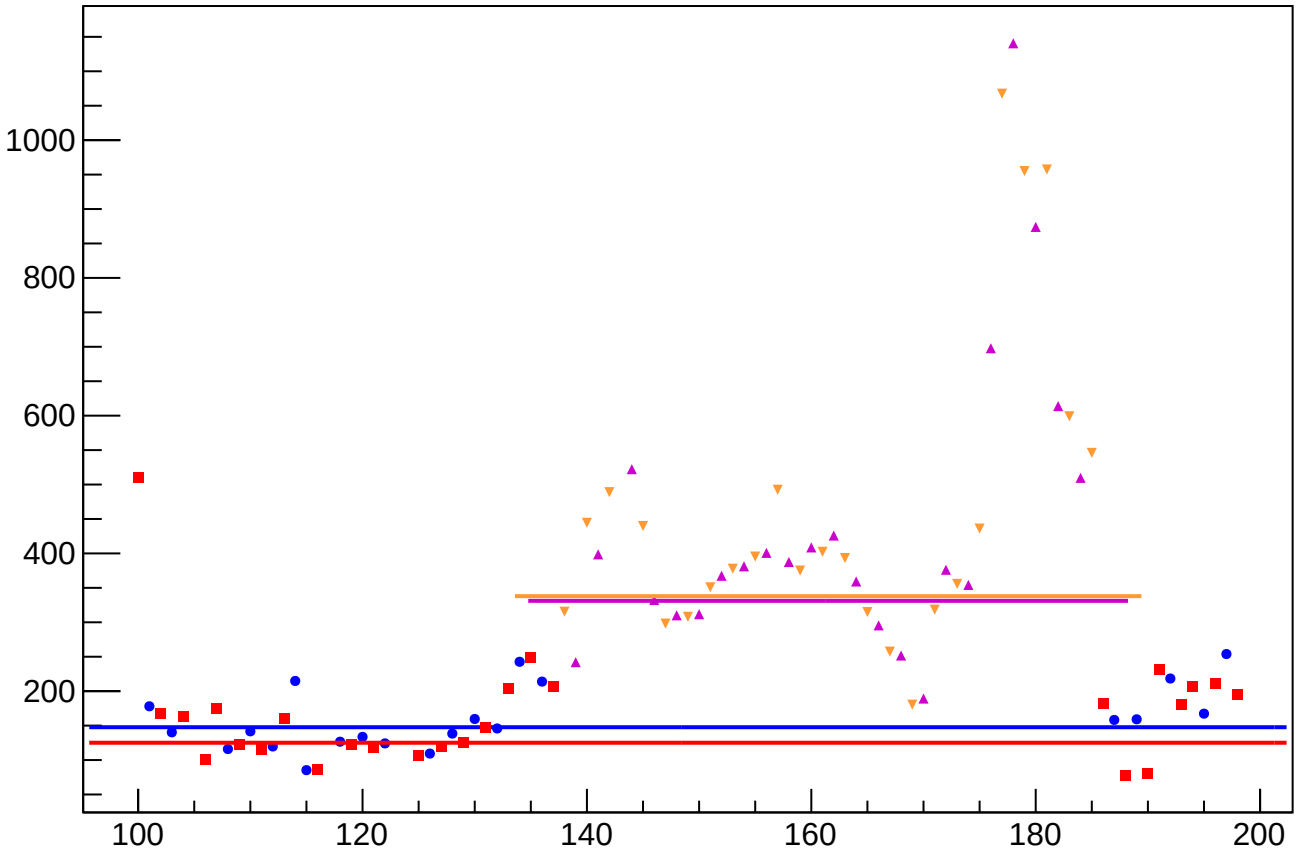
Right Out: -0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.042 χ^2/NDF: 48.4/44

All: -0.026+/-0.027 χ^2/NDF: 111.4/93

- sign -0.012+/-0.036 χ^2/NDF: 62.6/48



Right In: 147.645+/-0.034 χ^2/NDF: 1247344.9/20

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

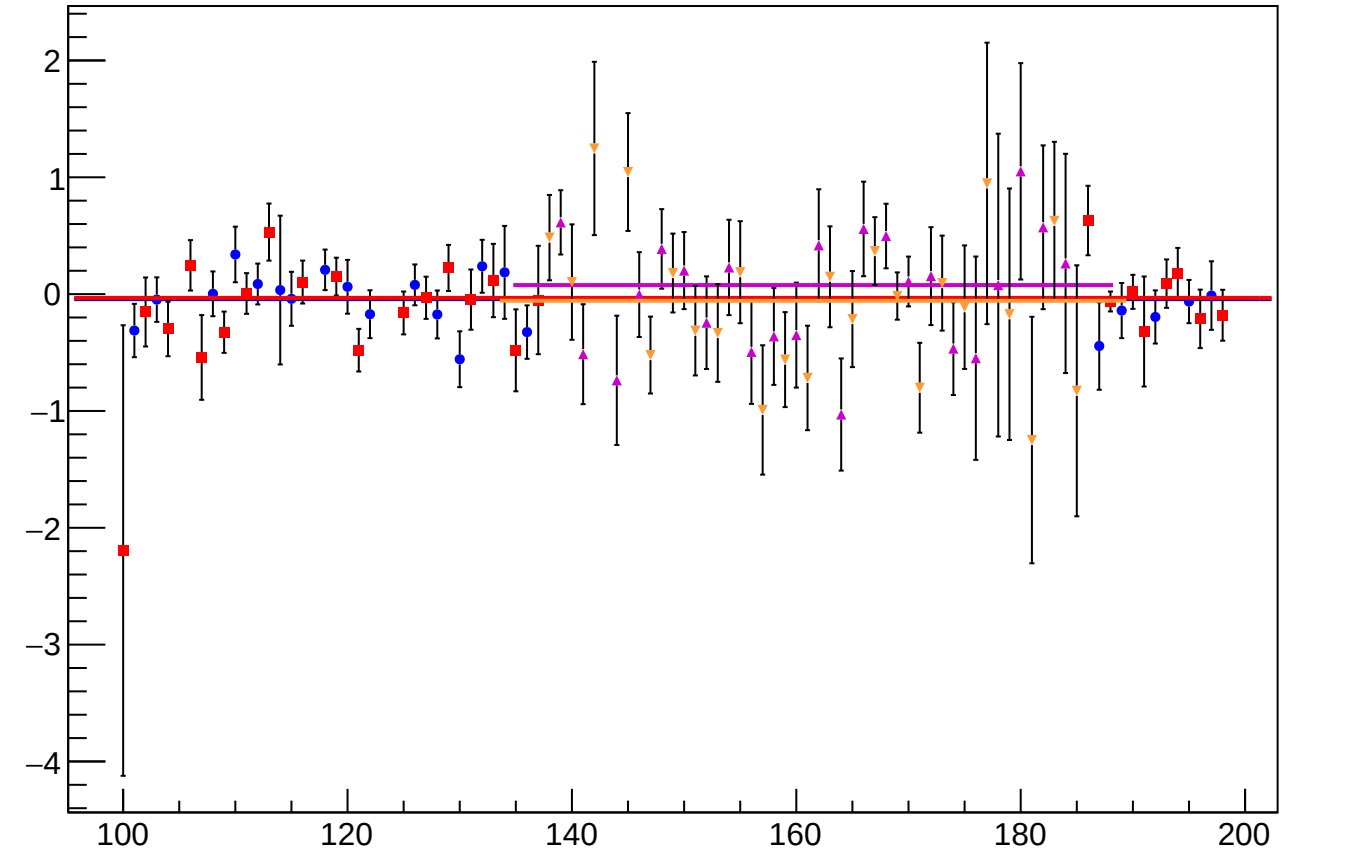
Right Out: 125.130+/-0.028 χ^2/NDF: 2714918.3/25

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 193.973+/-0.030 χ^2/NDF: 13266496.7/44

All: 175.716+/-0.019 χ^2/NDF: 30707627.2/93

- sign 162.691+/-0.025 χ^2/NDF: 16798742.9/48



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

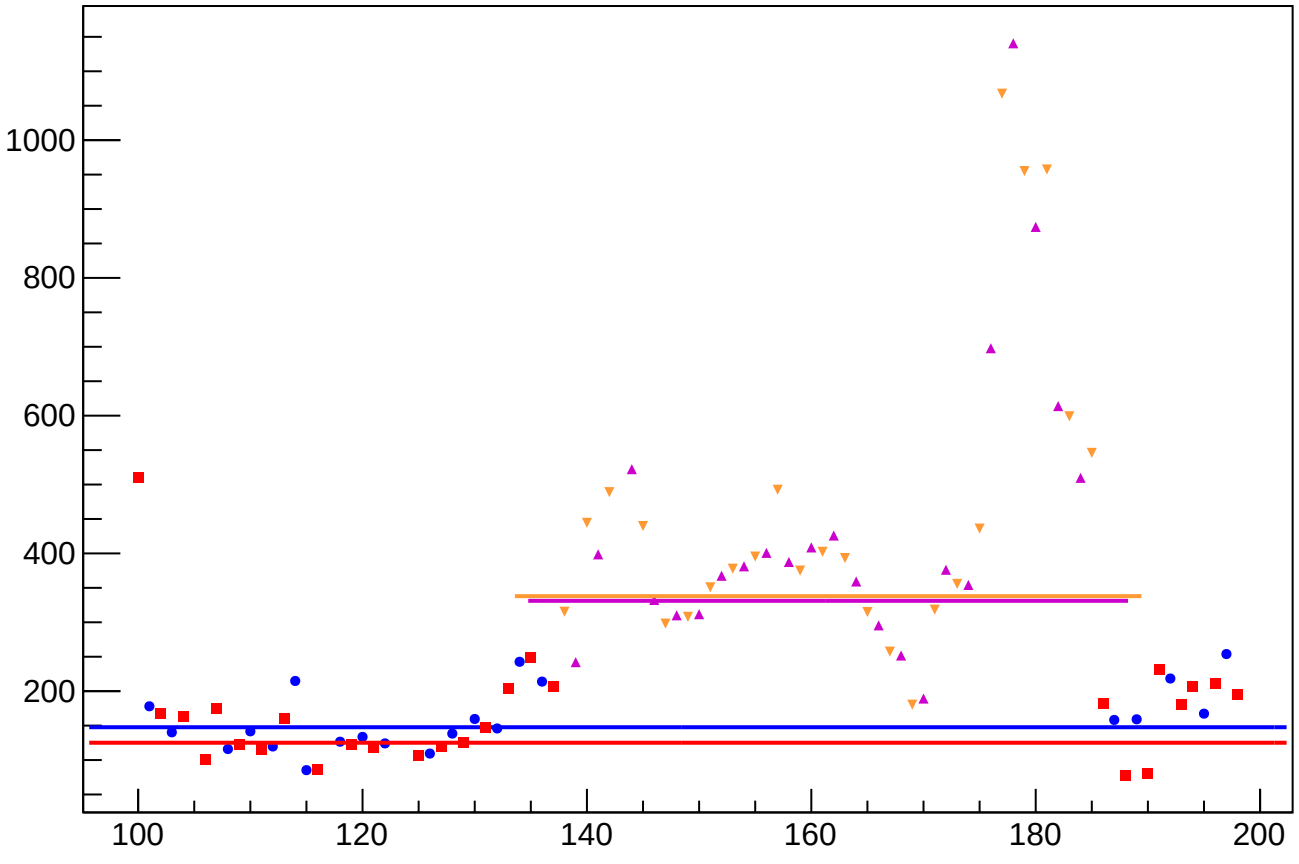
Right Out: -0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

\+ sign -0.046+/-0.042 χ^2/NDF: 48.4/44

All: -0.026+/-0.027 χ^2/NDF: 111.4/93

\- sign -0.012+/-0.036 χ^2/NDF: 62.6/48



Right In: 147.645+/-0.034 χ^2/NDF: 1247344.9/20

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

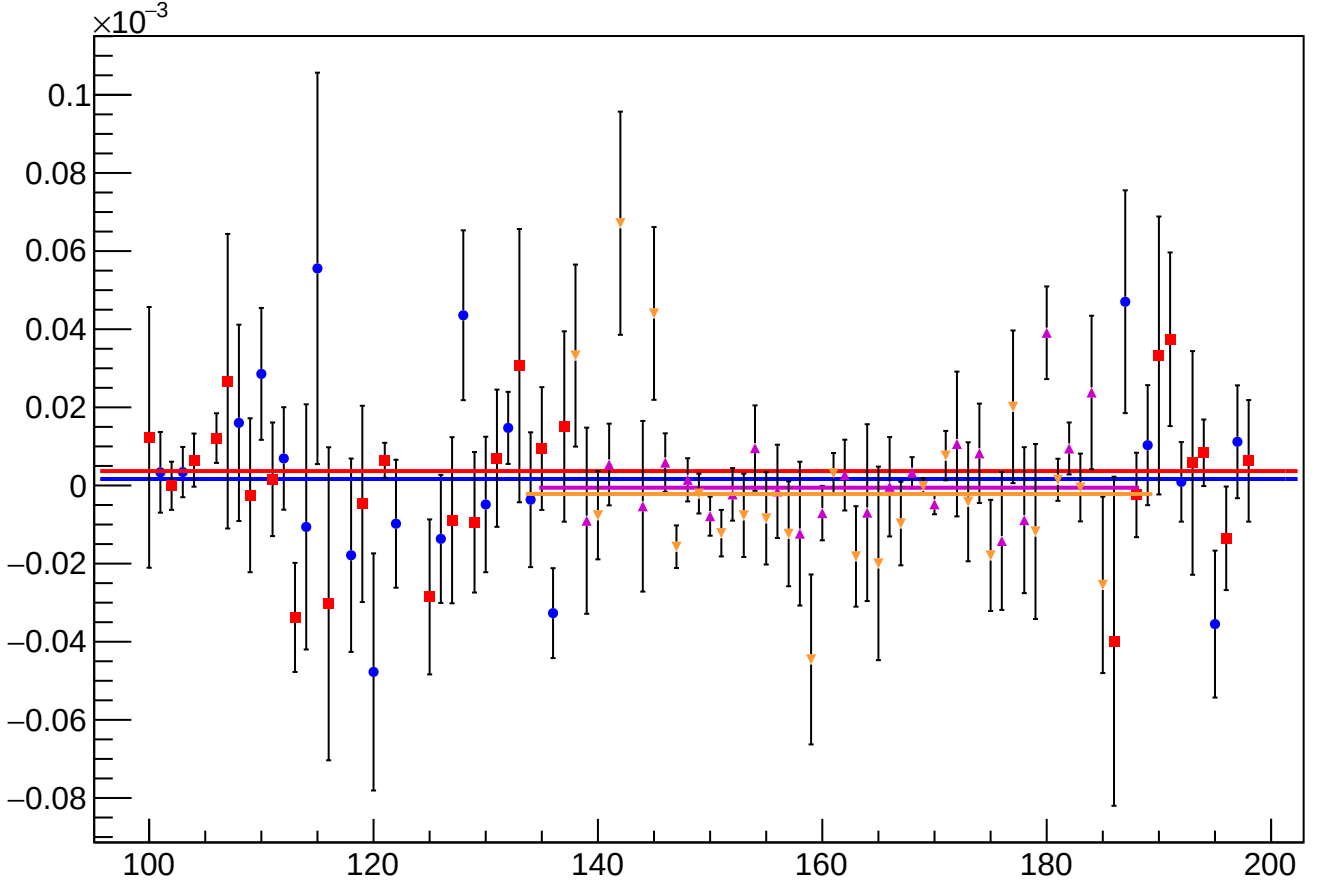
Right Out: 125.130+/-0.028 χ^2/NDF: 2714918.3/25

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 193.973+/-0.030 χ^2/NDF: 13266496.7/44

All: 175.716+/-0.019 χ^2/NDF: 30707627.2/93

- sign 162.691+/-0.025 χ^2/NDF: 16798742.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 31.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

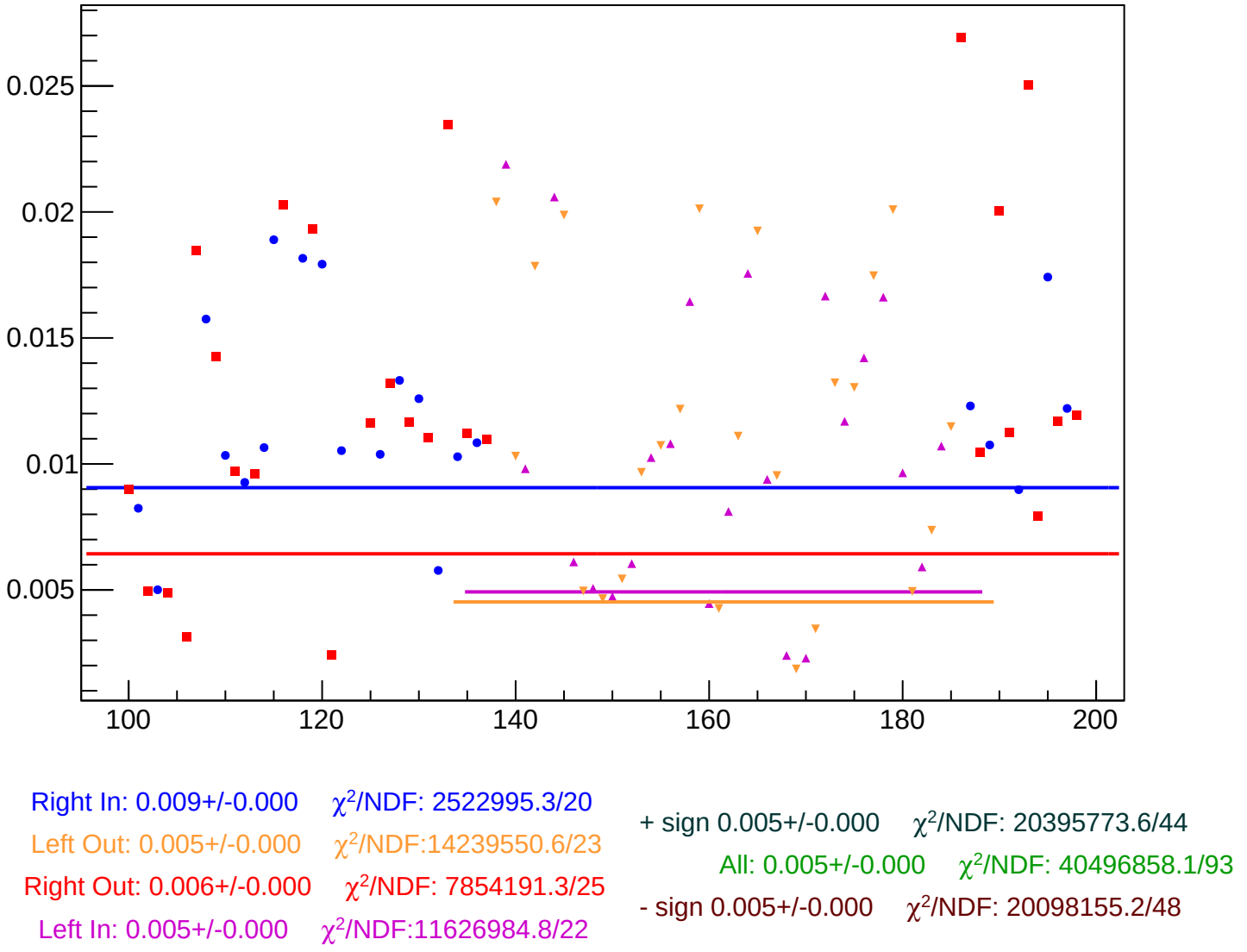
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/25

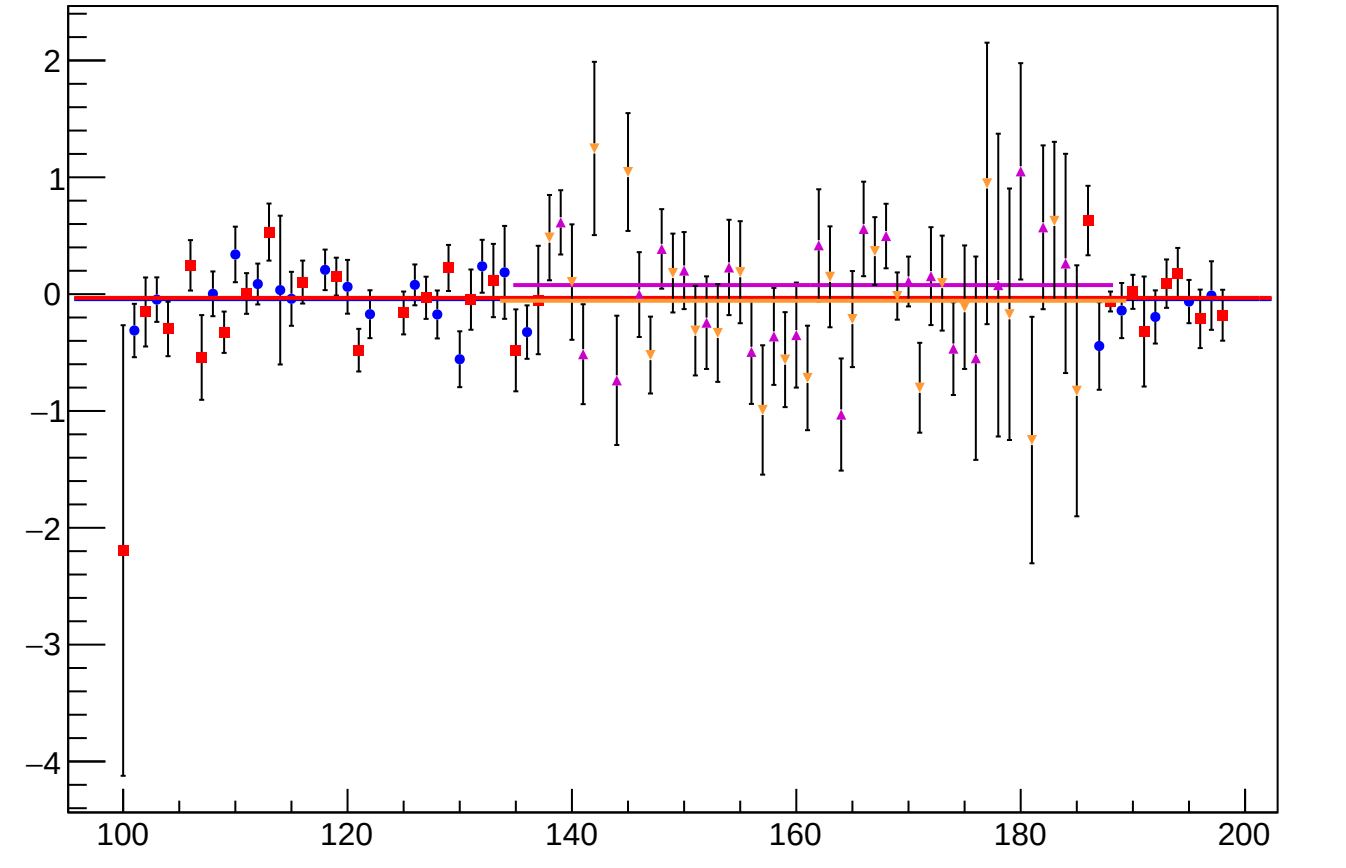
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.3/44

All: -0.000+/-0.000 χ^2/NDF: 122.7/93

- sign 0.000+/-0.000 χ^2/NDF: 50.9/48


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 2522995.3/20
Left Out: 0.005+/-0.000 χ²/NDF:14239550.6/23
Right Out: 0.006+/-0.000 χ²/NDF: 7854191.3/25
Left In: 0.005+/-0.000 χ²/NDF:11626984.8/22
+ sign 0.005+/-0.000 χ²/NDF: 20395773.6/44
All: 0.005+/-0.000 χ²/NDF: 40496858.1/93
- sign 0.005+/-0.000 χ²/NDF: 20098155.2/48



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

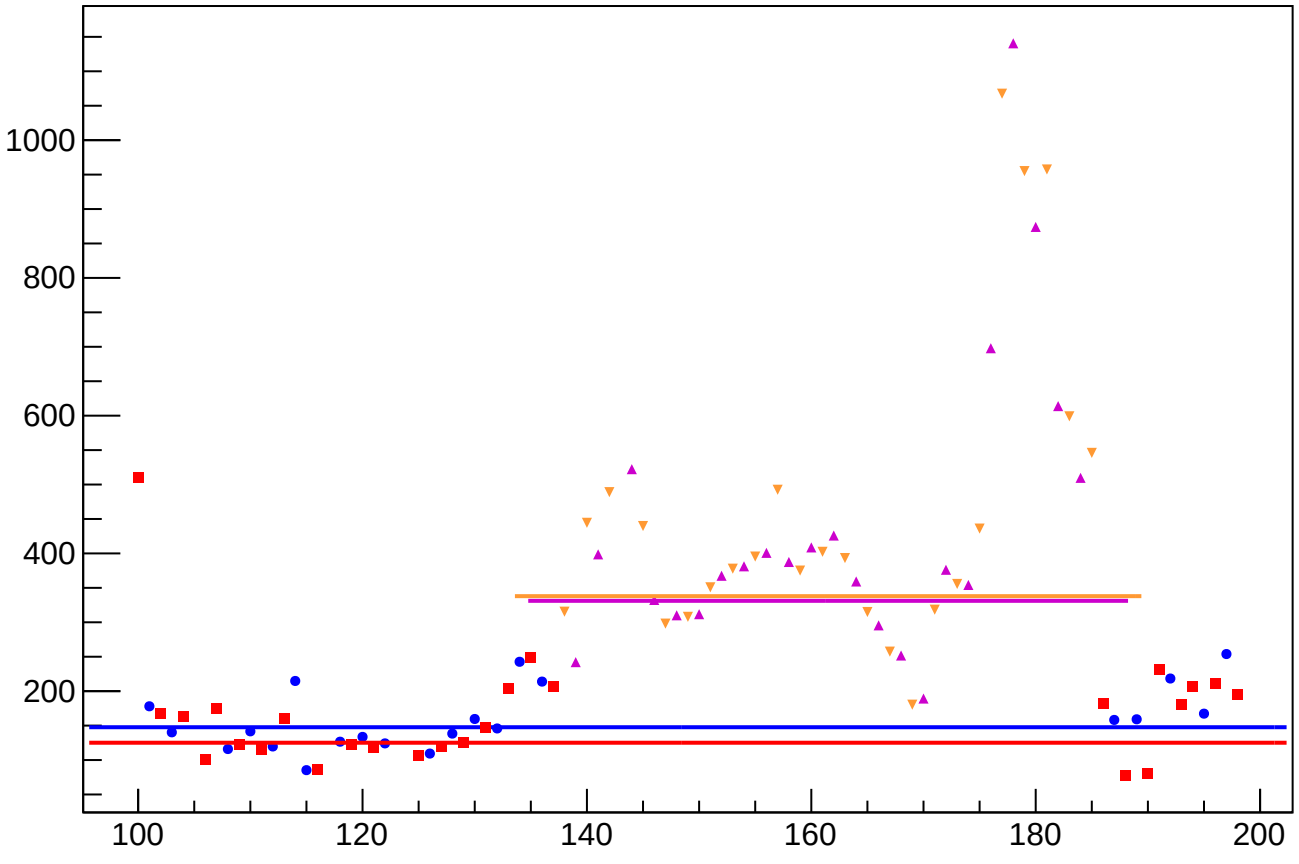
Right Out: -0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.042 χ^2/NDF: 48.4/44

All: -0.026+/-0.027 χ^2/NDF: 111.4/93

- sign -0.012+/-0.036 χ^2/NDF: 62.6/48



Right In: 147.645+/-0.034 χ^2/NDF: 1247313.0/20

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 125.129+/-0.028 χ^2/NDF: 2715030.2/25

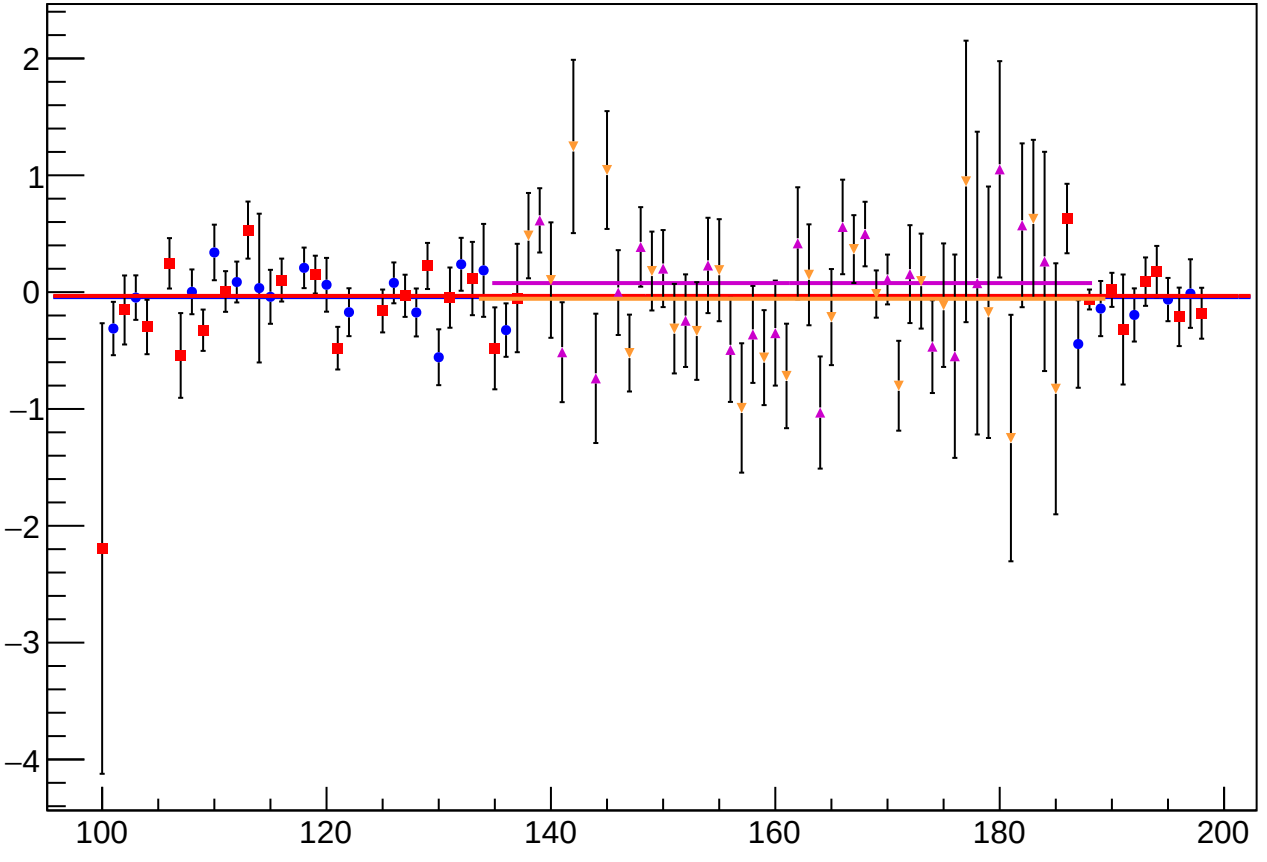
Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 193.973+/-0.030 χ^2/NDF: 13266605.3/44

All: 175.714+/-0.019 χ^2/NDF: 30708294.3/93

- sign 162.689+/-0.025 χ^2/NDF: 16799207.3/48

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

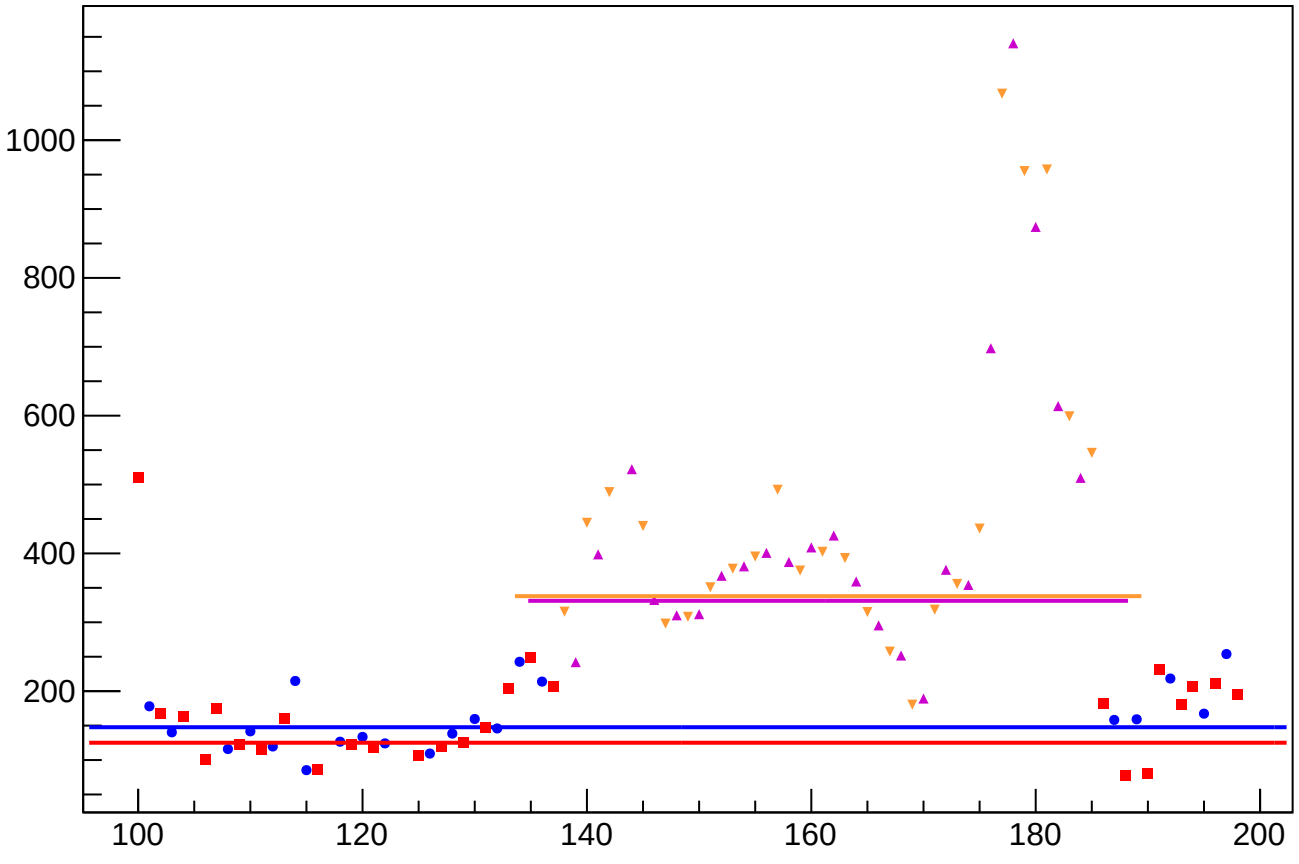
Right Out: -0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.042 χ^2/NDF: 48.4/44

All: -0.026+/-0.027 χ^2/NDF: 111.4/93

- sign -0.012+/-0.036 χ^2/NDF: 62.6/48



Right In: 147.645+/-0.034 χ^2/NDF: 1247313.0/20

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

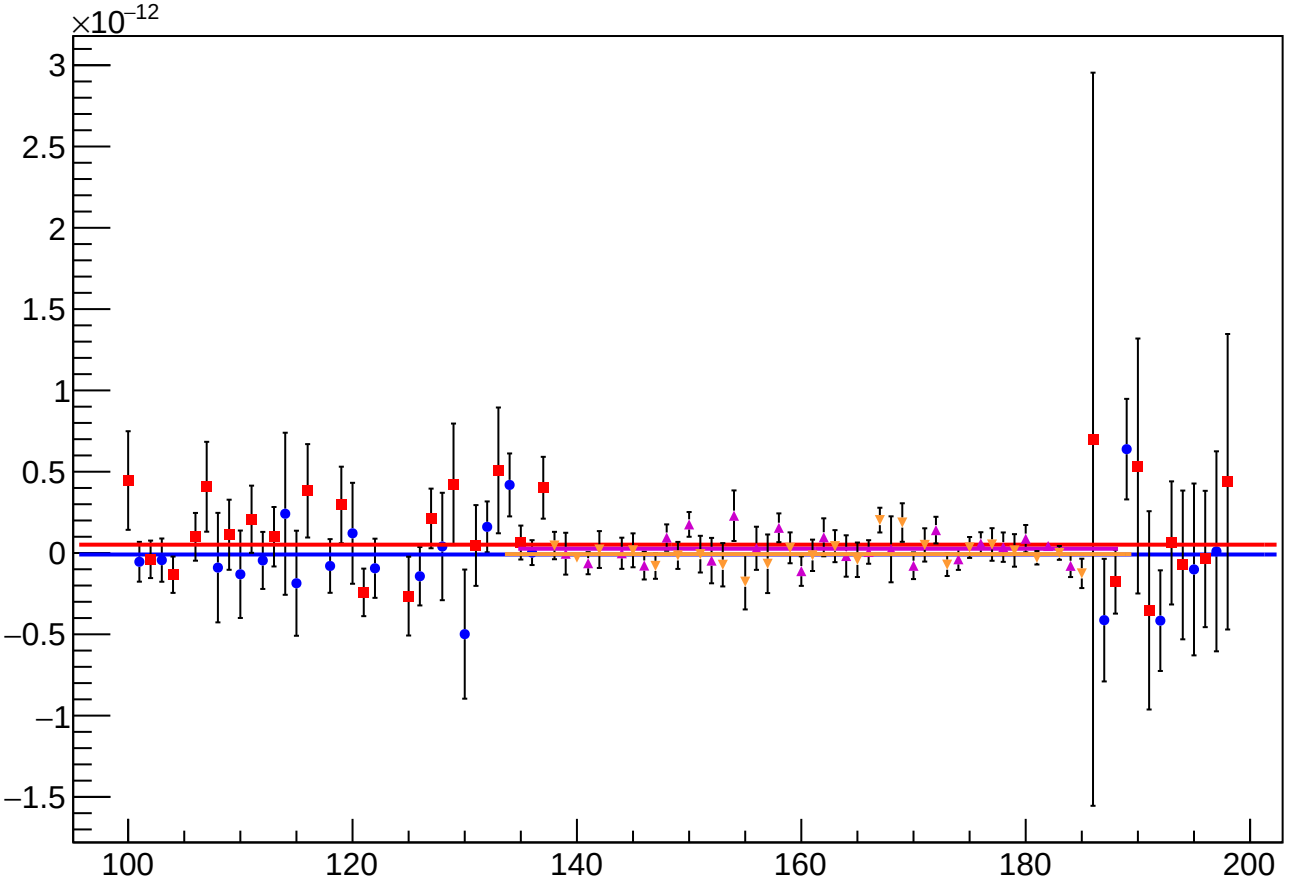
Right Out: 125.129+/-0.028 χ^2/NDF: 2715030.2/25

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 193.973+/-0.030 χ^2/NDF: 13266605.3/44

All: 175.714+/-0.019 χ^2/NDF: 30708294.3/93

- sign 162.689+/-0.025 χ^2/NDF: 16799207.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

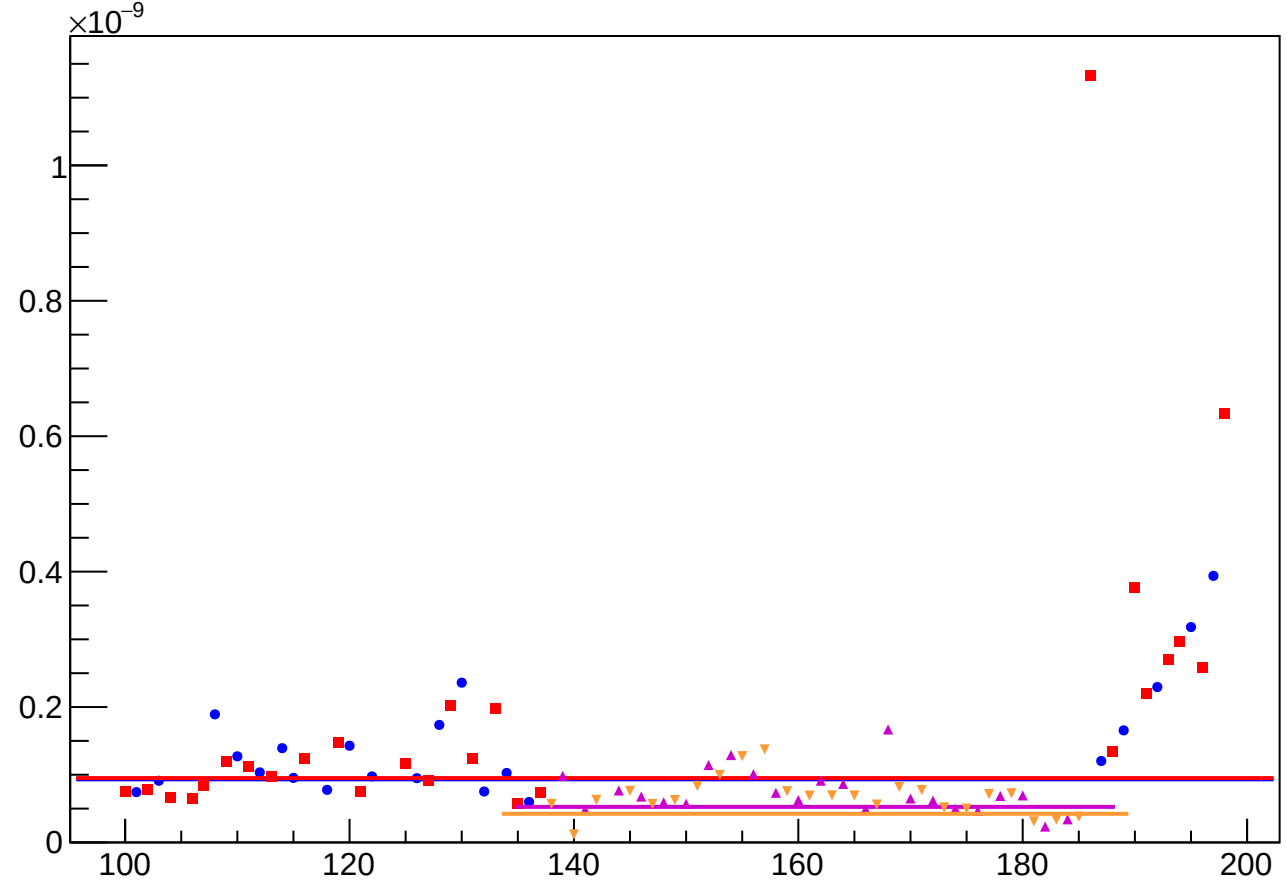
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/25

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/44

All: 0.000+/-0.000 χ^2/NDF: 86.5/93

- sign 0.000+/-0.000 χ^2/NDF: 47.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 2476018.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3764716.2/25

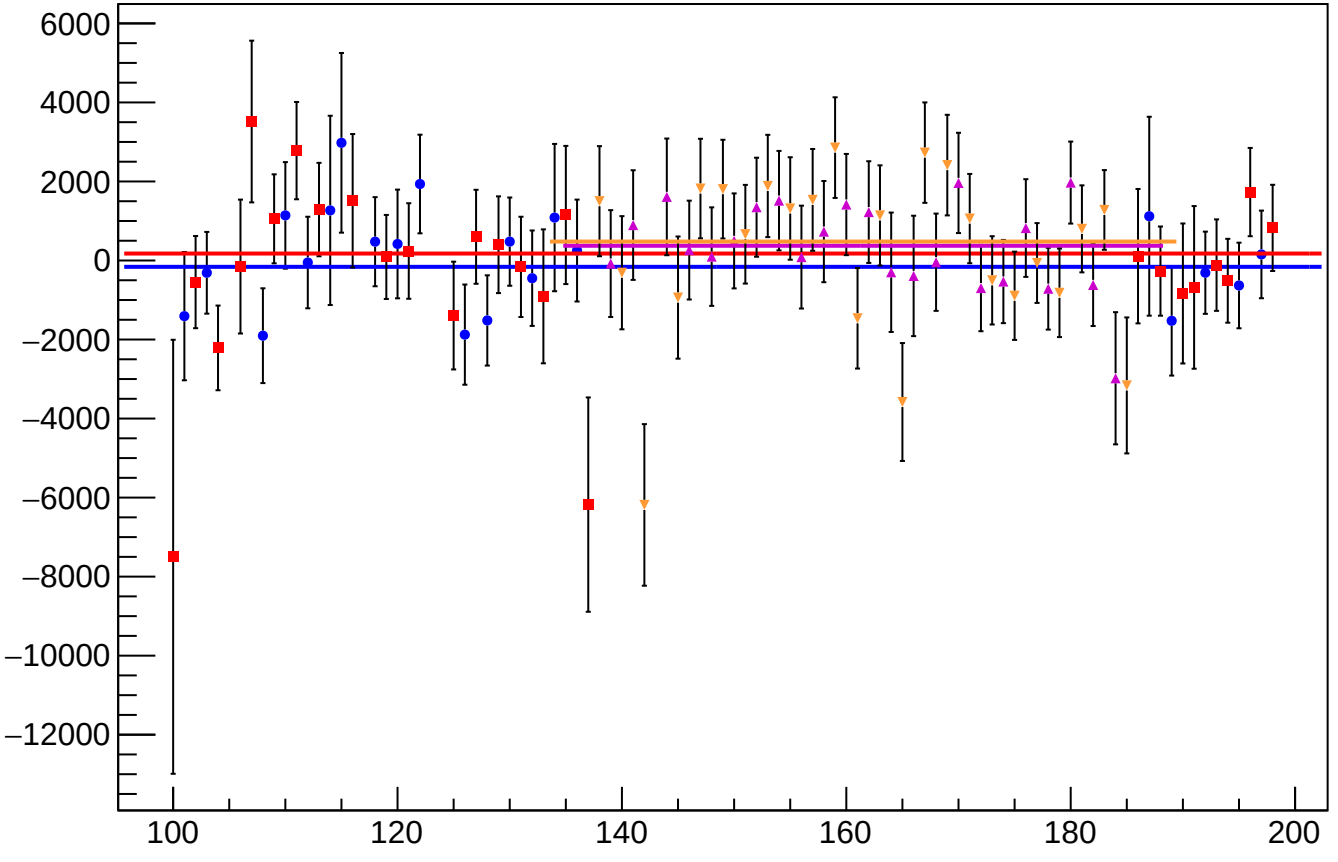
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11881695.1/44

All: 0.000+/-0.000 χ^2/NDF: 23044921.0/93

- sign 0.000+/-0.000 χ^2/NDF: 10603065.2/48

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -160.345+/-281.004 χ^2/NDF: 14.9/20

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 175.993+/-261.559 χ^2/NDF: 27.8/25

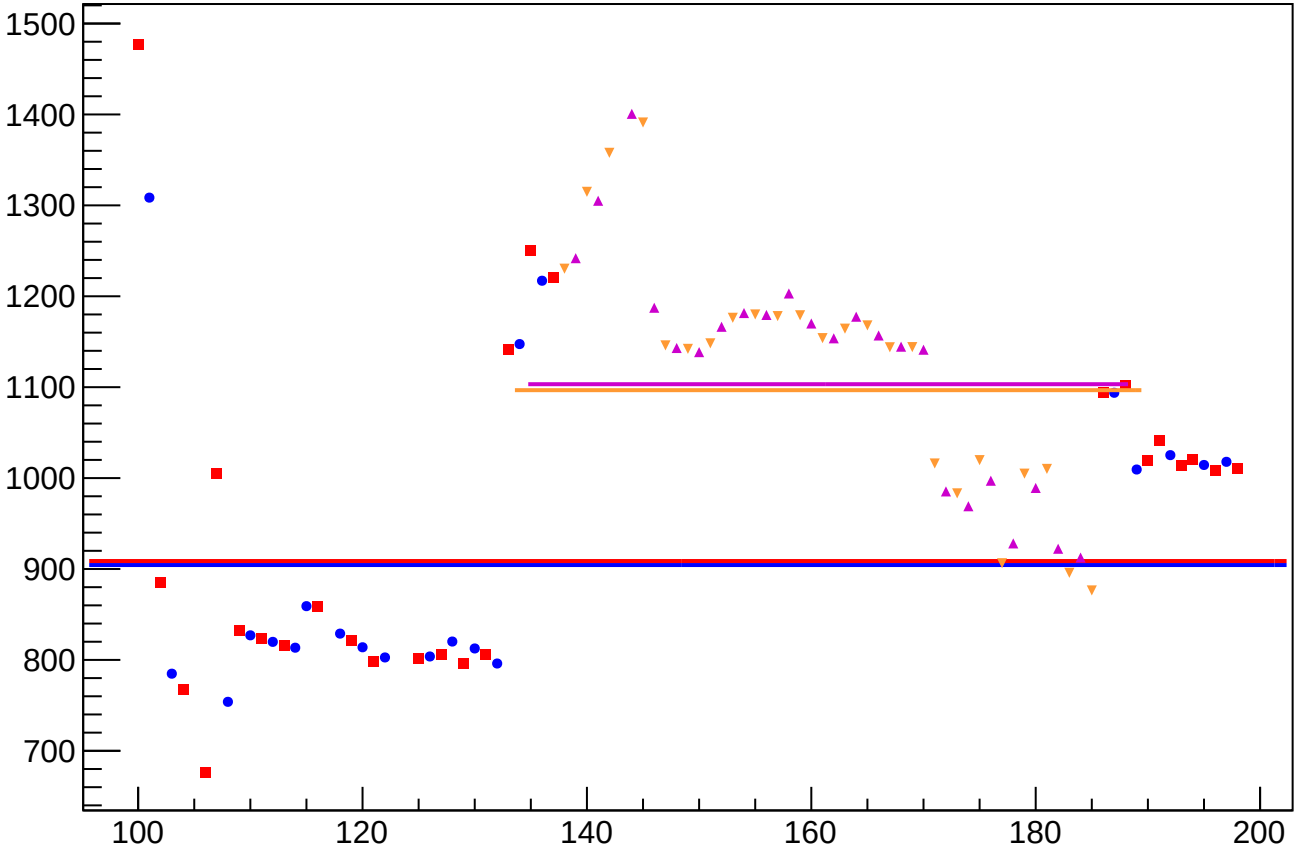
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 188.927+/-189.376 χ^2/NDF: 62.9/44

All: 233.326+/-132.023 χ^2/NDF: 107.2/93

- sign 275.308+/-184.151 χ^2/NDF: 44.1/48

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 904.363+/-0.199 χ^2/NDF: 530087.2/20

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 908.777+/-0.183 χ^2/NDF: 557284.8/25

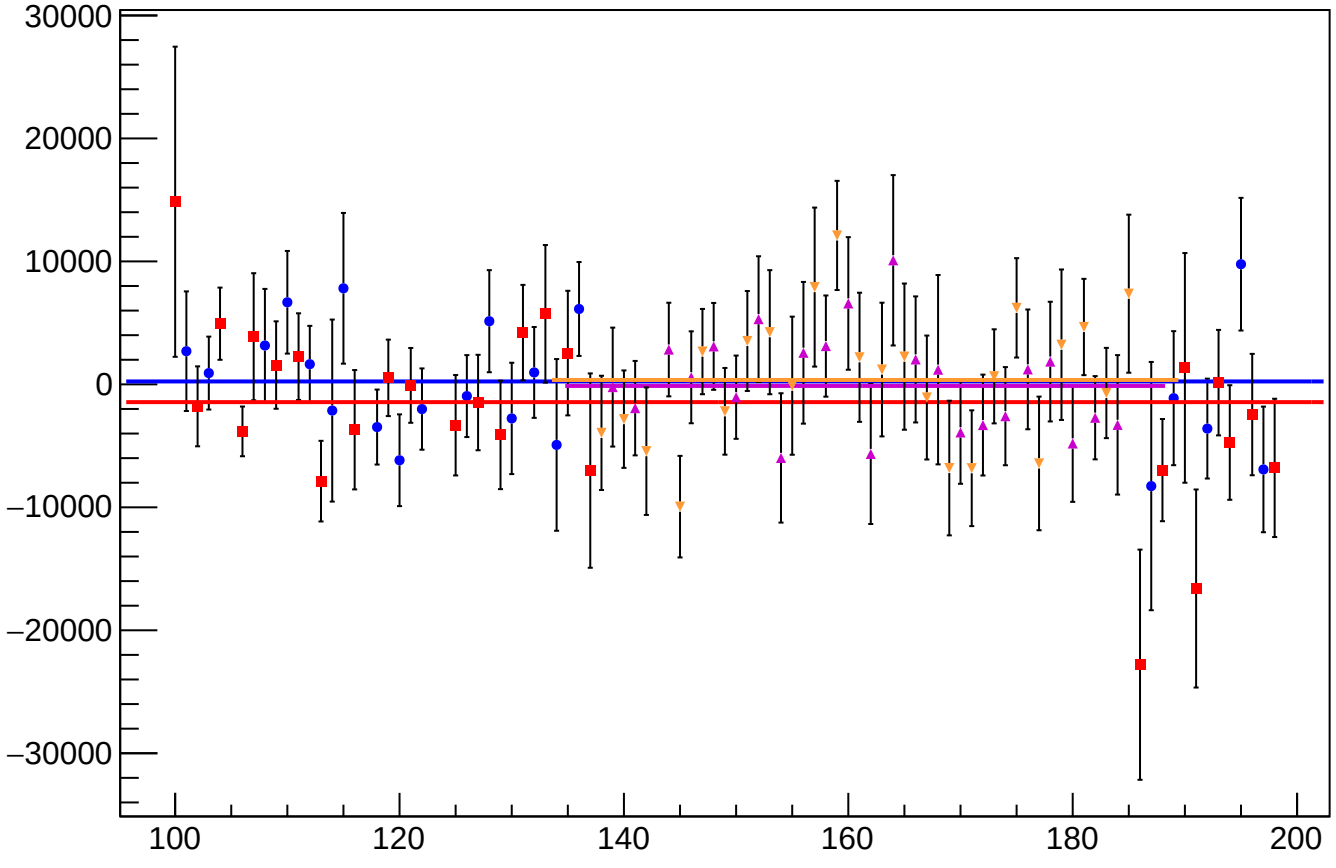
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1009.351+/-0.134 χ^2/NDF: 1522073.7/44

All: 1007.655+/-0.093 χ^2/NDF: 3089600.9/93

- sign 1006.065+/-0.130 χ^2/NDF: 1567216.5/48

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 237.652+/-907.114 χ^2/NDF: 21.5/20

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1444.990+/-789.119 χ^2/NDF: 33.0/25

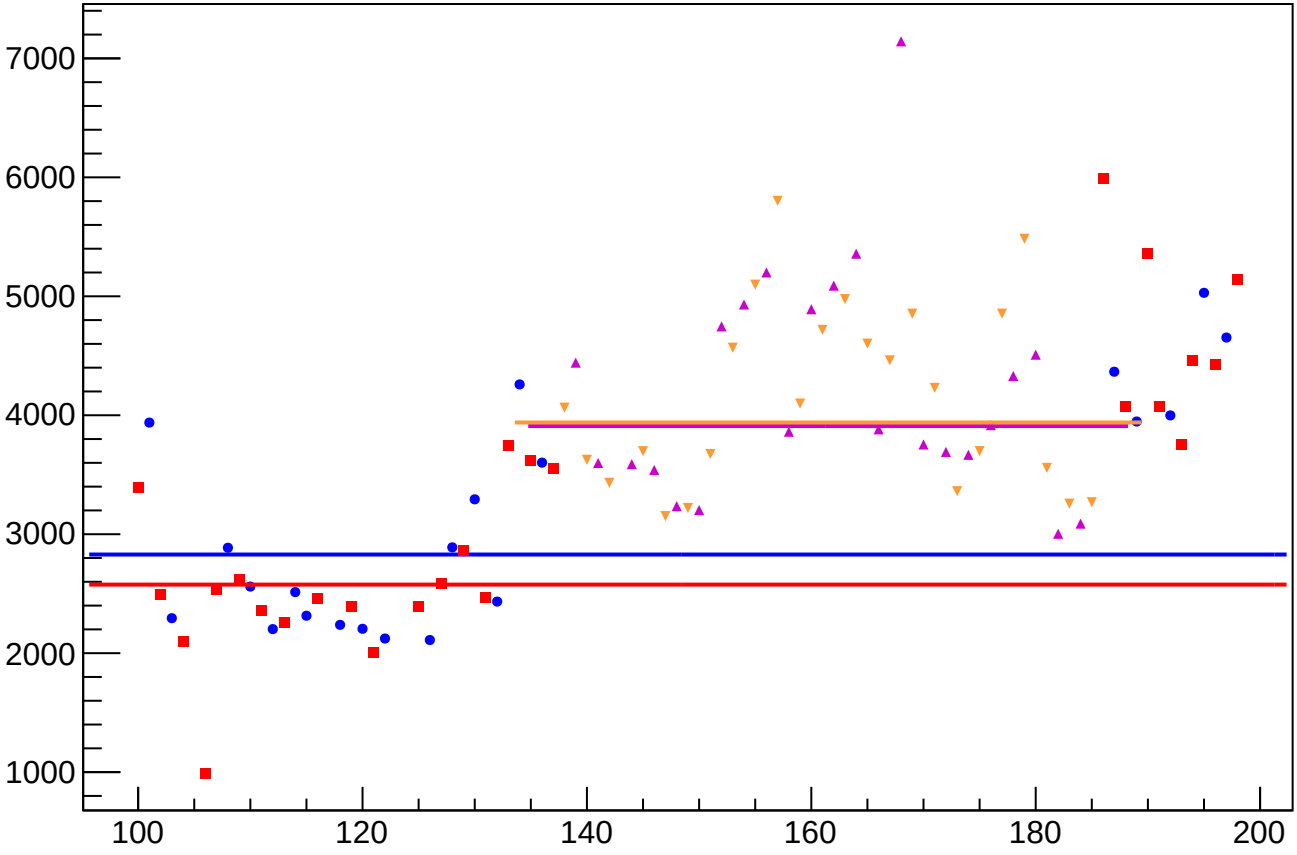
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 295.923+/-650.798 χ^2/NDF: 51.8/44

All: -345.435+/-442.089 χ^2/NDF: 101.5/93

- sign -894.977+/-602.416 χ^2/NDF: 47.9/48

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2829.254+/-0.641 χ^2/NDF: 1685774.6/20

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2576.393+/-0.558 χ^2/NDF: 3564298.4/25

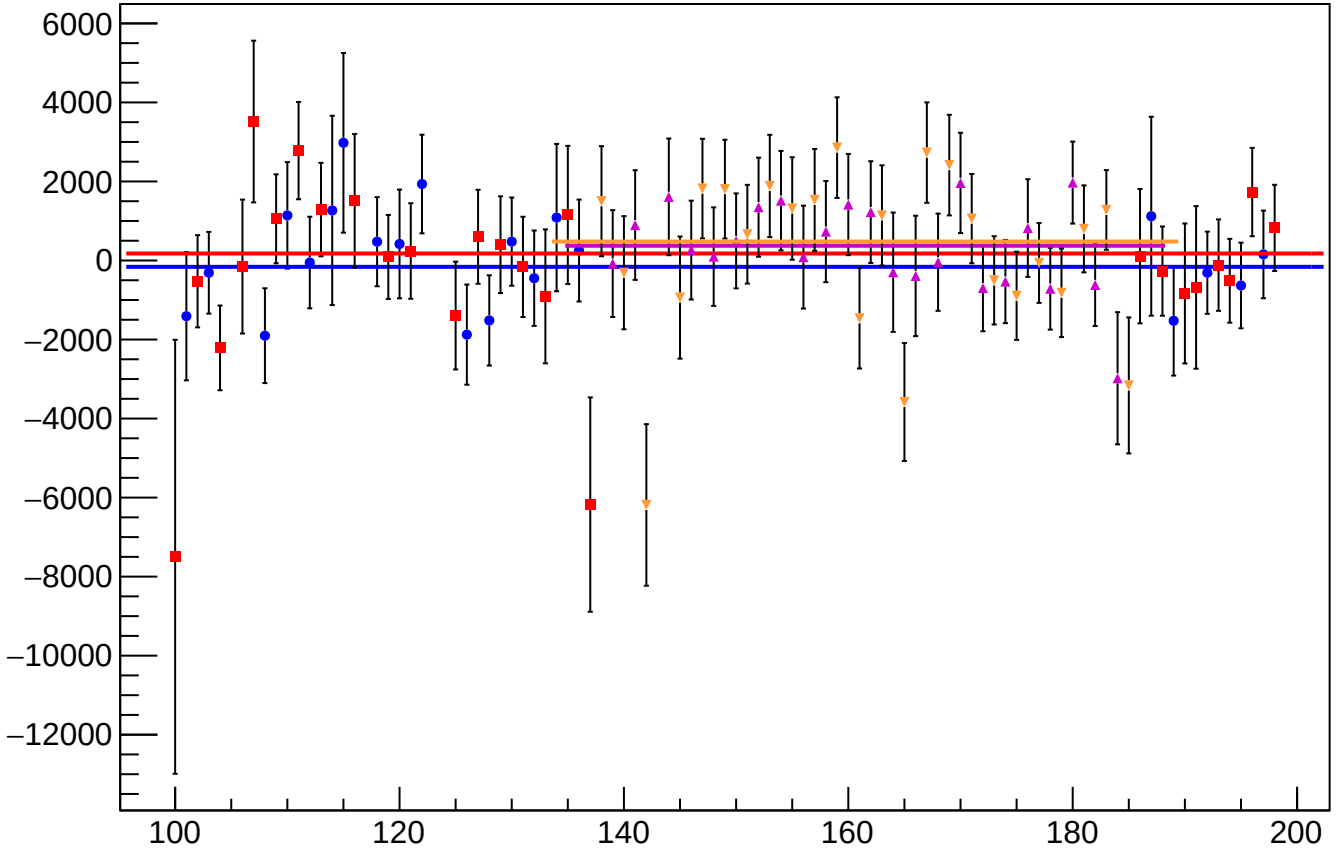
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3367.921+/-0.460 χ^2/NDF: 4231729.4/44

All: 3241.099+/-0.313 χ^2/NDF: 11617931.7/9

- sign 3132.433+/-0.426 χ^2/NDF: 7245175.8/48

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -160.399+/-281.004 χ^2/NDF: 14.9/20

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 177.077+/-261.562 χ^2/NDF: 27.8/25

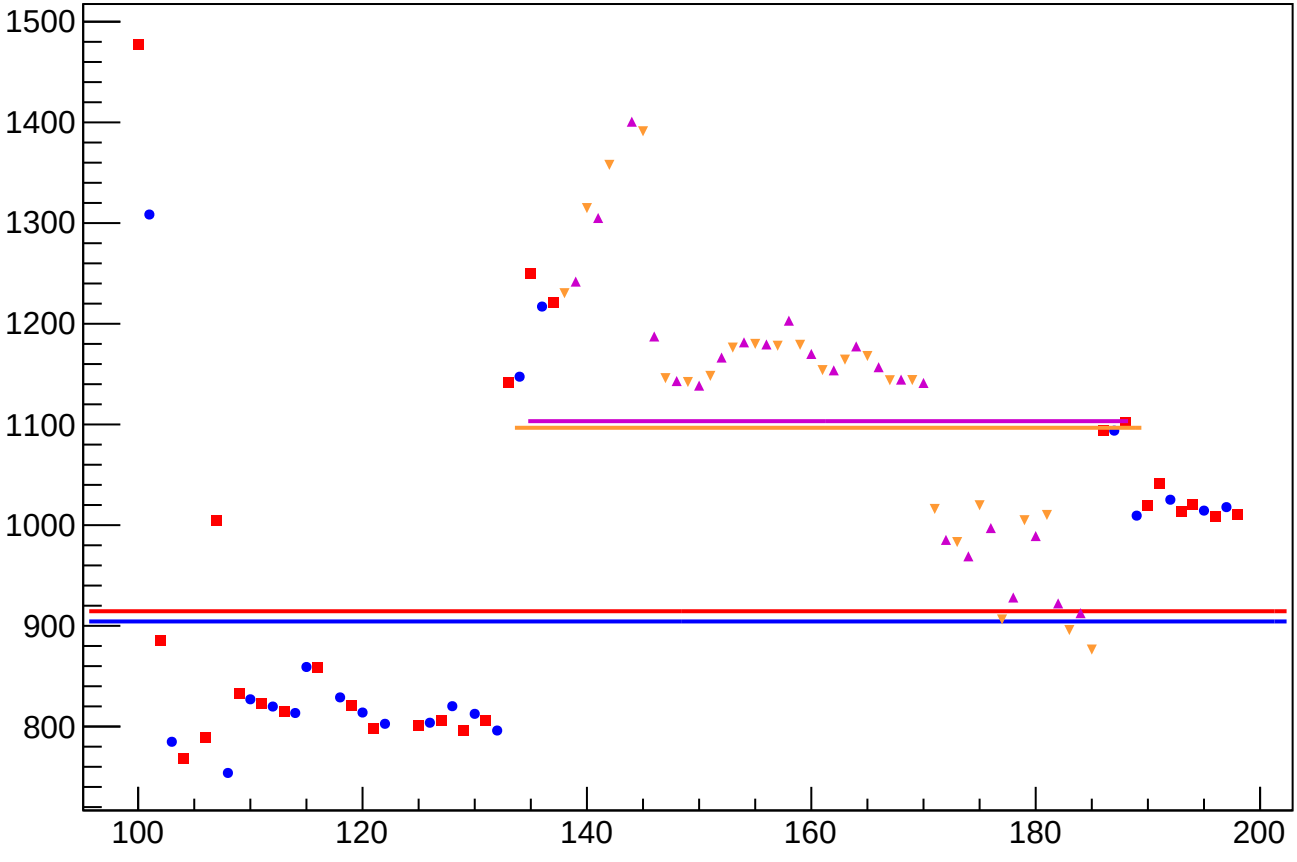
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 188.918+/-189.376 χ^2/NDF: 62.9/44

All: 233.591+/-132.023 χ^2/NDF: 107.2/93

- sign 275.834+/-184.152 χ^2/NDF: 44.1/48

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 904.363+/-0.199 χ^2/NDF: 530087.0/20

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 914.502+/-0.184 χ^2/NDF: 504905.9/25

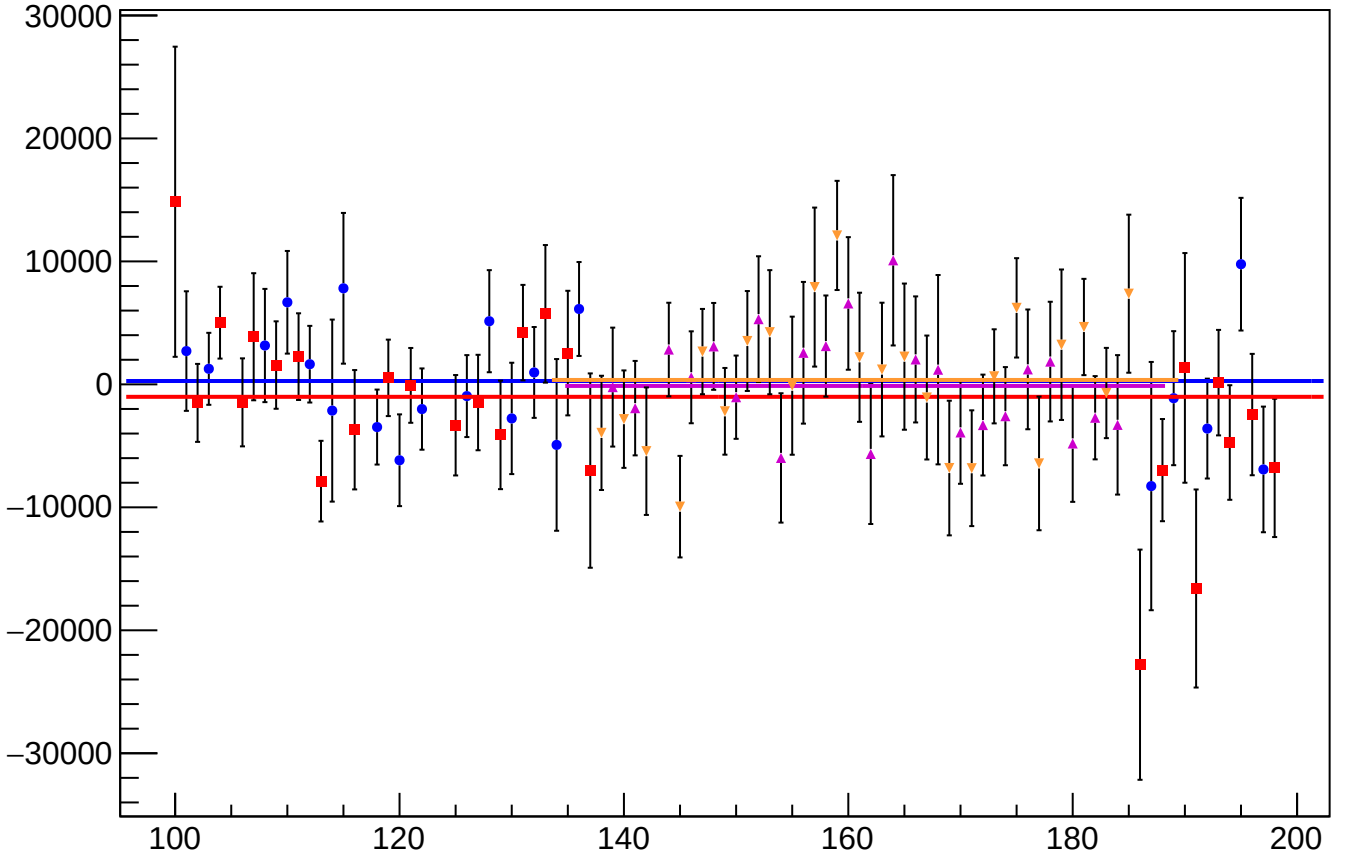
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1009.351+/-0.134 χ^2/NDF: 1522073.8/44

All: 1009.367+/-0.093 χ^2/NDF: 3001731.4/93

- sign 1009.383+/-0.130 χ^2/NDF: 1479657.6/48

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 273.000+/-905.981 χ^2/NDF: 21.6/20

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -1012.984+/-831.787 χ^2/NDF: 31.5/25

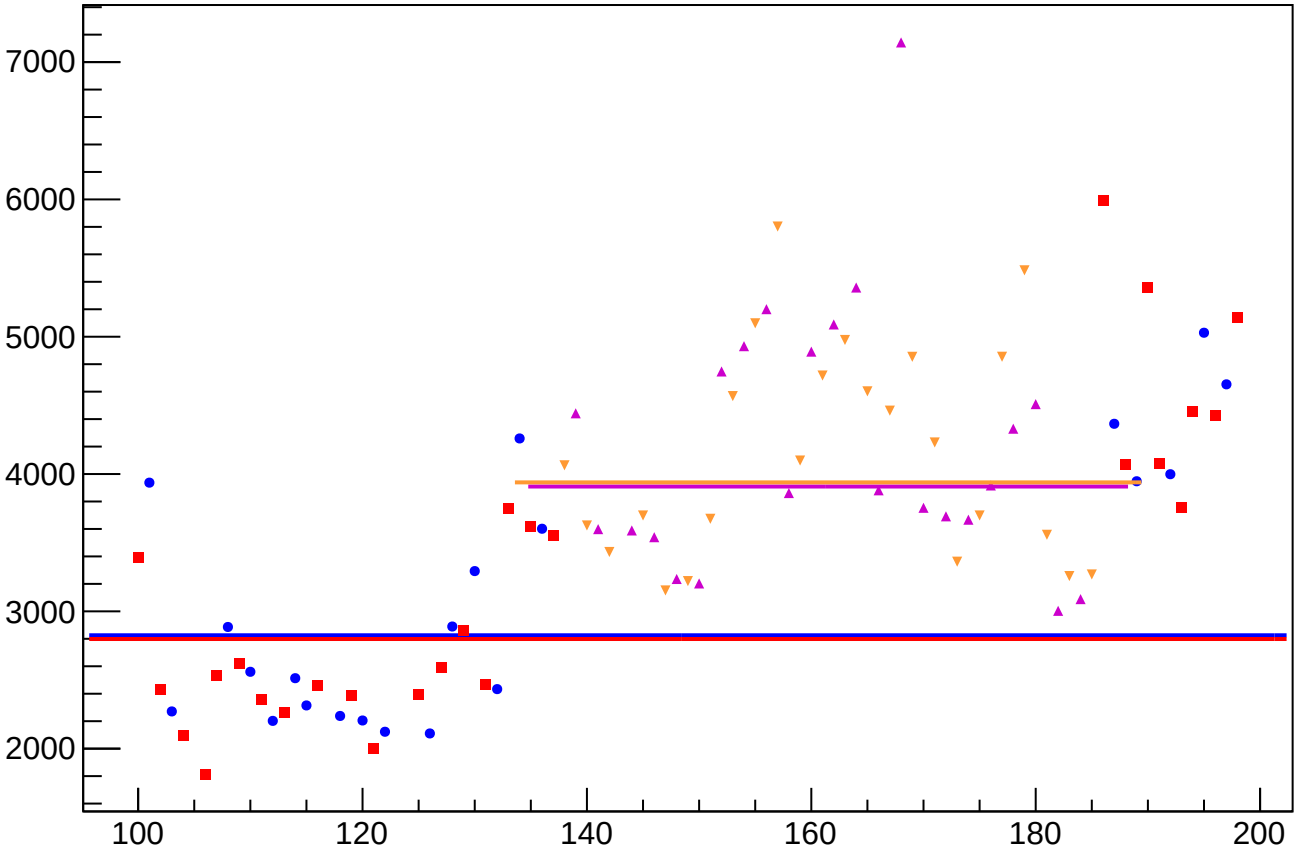
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 314.064+/-650.380 χ^2/NDF: 51.8/44

All: -174.876+/-449.053 χ^2/NDF: 98.7/93

- sign -620.309+/-620.769 χ^2/NDF: 45.7/48

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2825.699+/-0.641 χ^2/NDF: 1693244.1/20

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2798.527+/-0.588 χ^2/NDF: 2282678.6/25

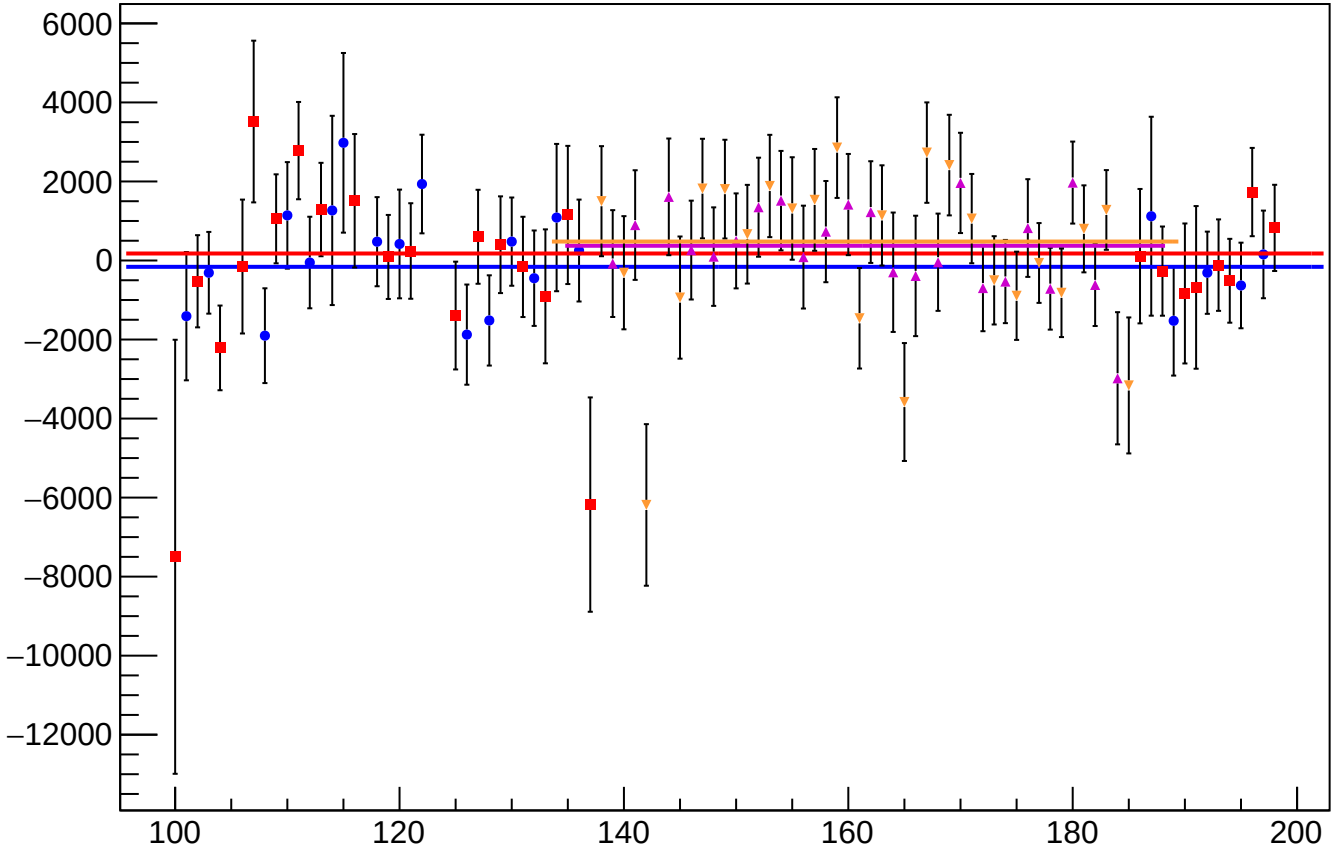
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3365.397+/-0.460 χ^2/NDF: 4250300.8/44

All: 3326.232+/-0.318 χ^2/NDF: 9427230.0/93

- sign 3290.551+/-0.439 χ^2/NDF: 5163069.0/48

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -160.399+/-281.004 χ^2/NDF: 14.9/20

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 177.077+/-261.562 χ^2/NDF: 27.8/25

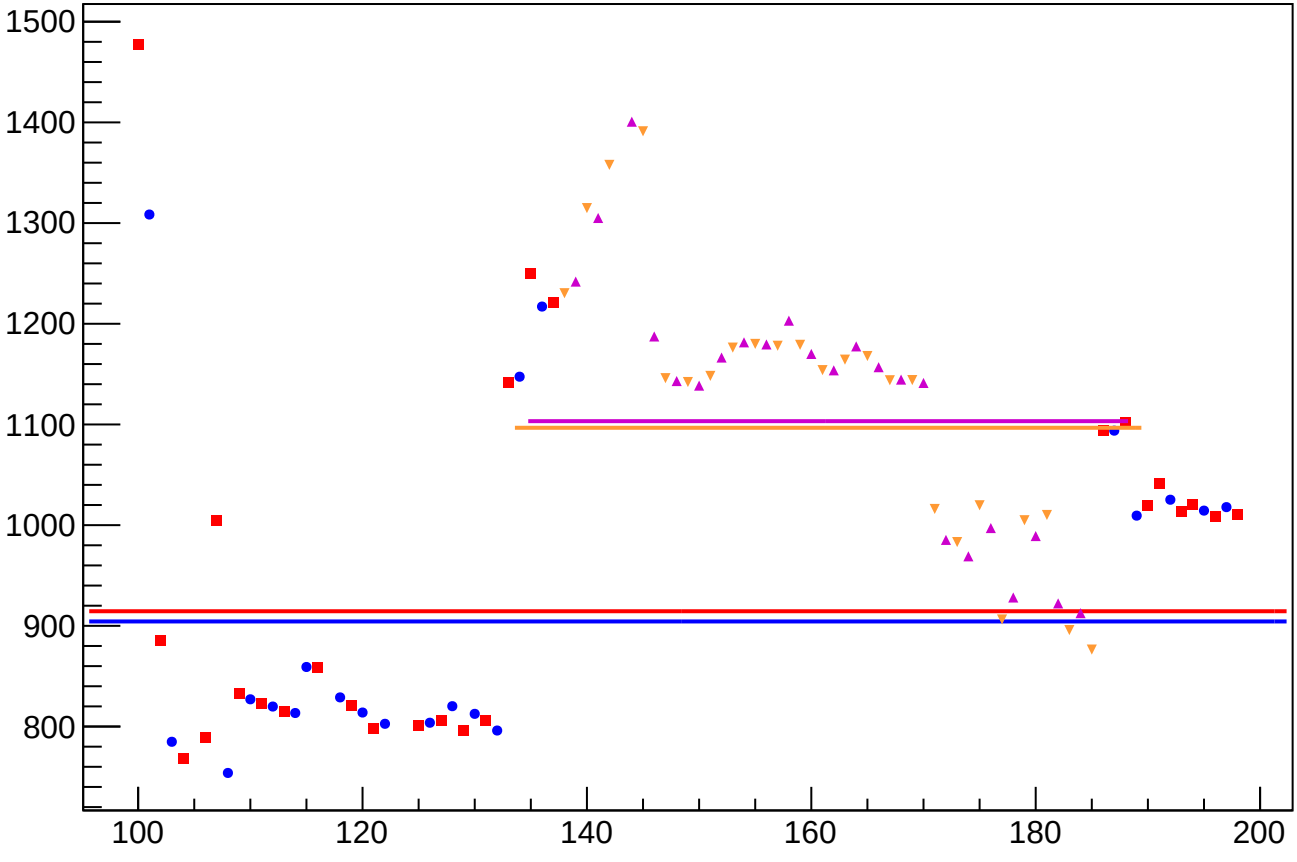
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 188.918+/-189.376 χ^2/NDF: 62.9/44

All: 233.591+/-132.023 χ^2/NDF: 107.2/93

- sign 275.834+/-184.152 χ^2/NDF: 44.1/48

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 904.363+/-0.199 χ^2/NDF: 530087.0/20

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

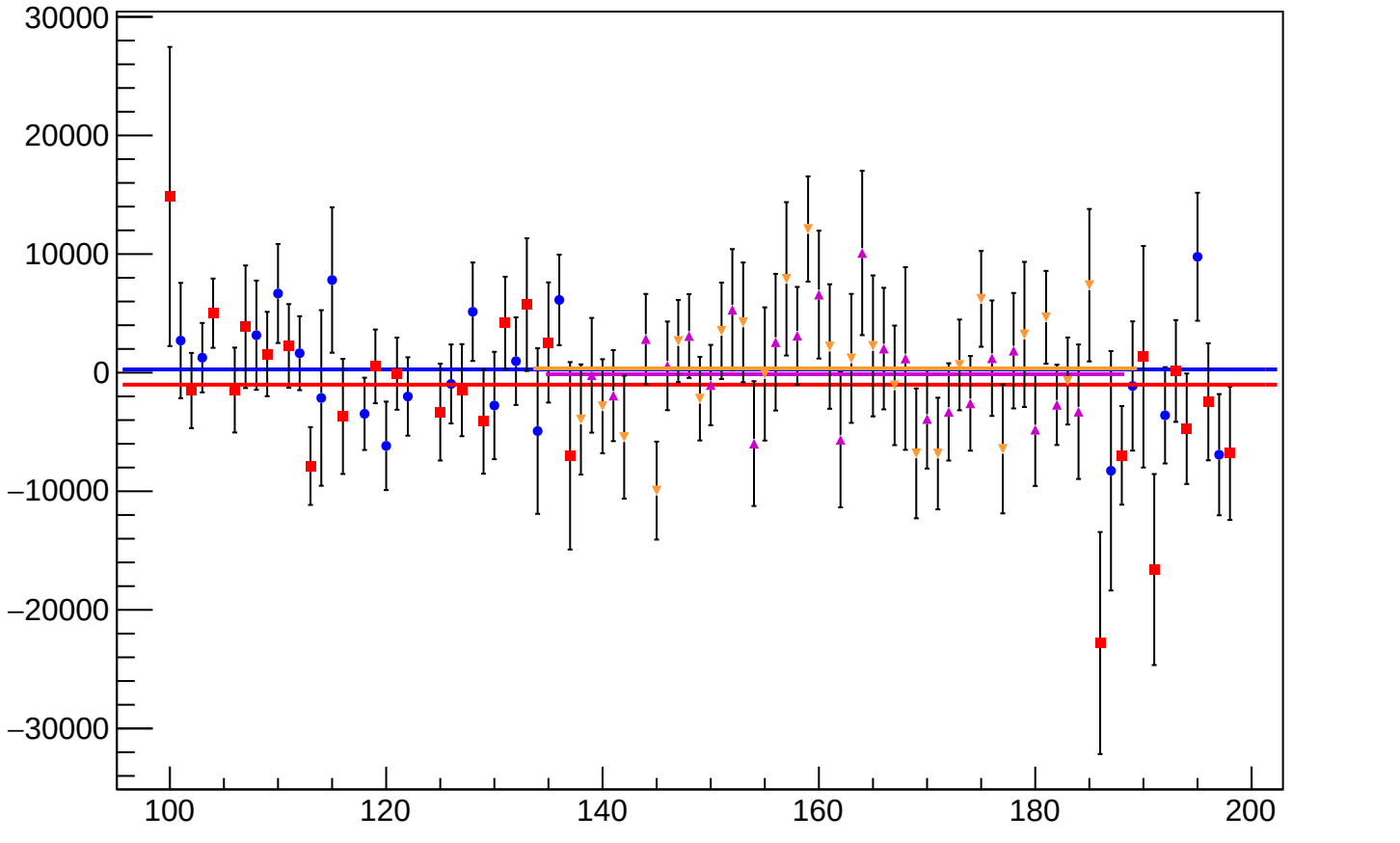
Right Out: 914.502+/-0.184 χ^2/NDF: 504905.9/25

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1009.351+/-0.134 χ^2/NDF: 1522073.8/44

All: 1009.367+/-0.093 χ^2/NDF: 3001731.4/93

- sign 1009.383+/-0.130 χ^2/NDF: 1479657.6/48



Right In: 273.000+/-905.981 χ^2/NDF: 21.6/20

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

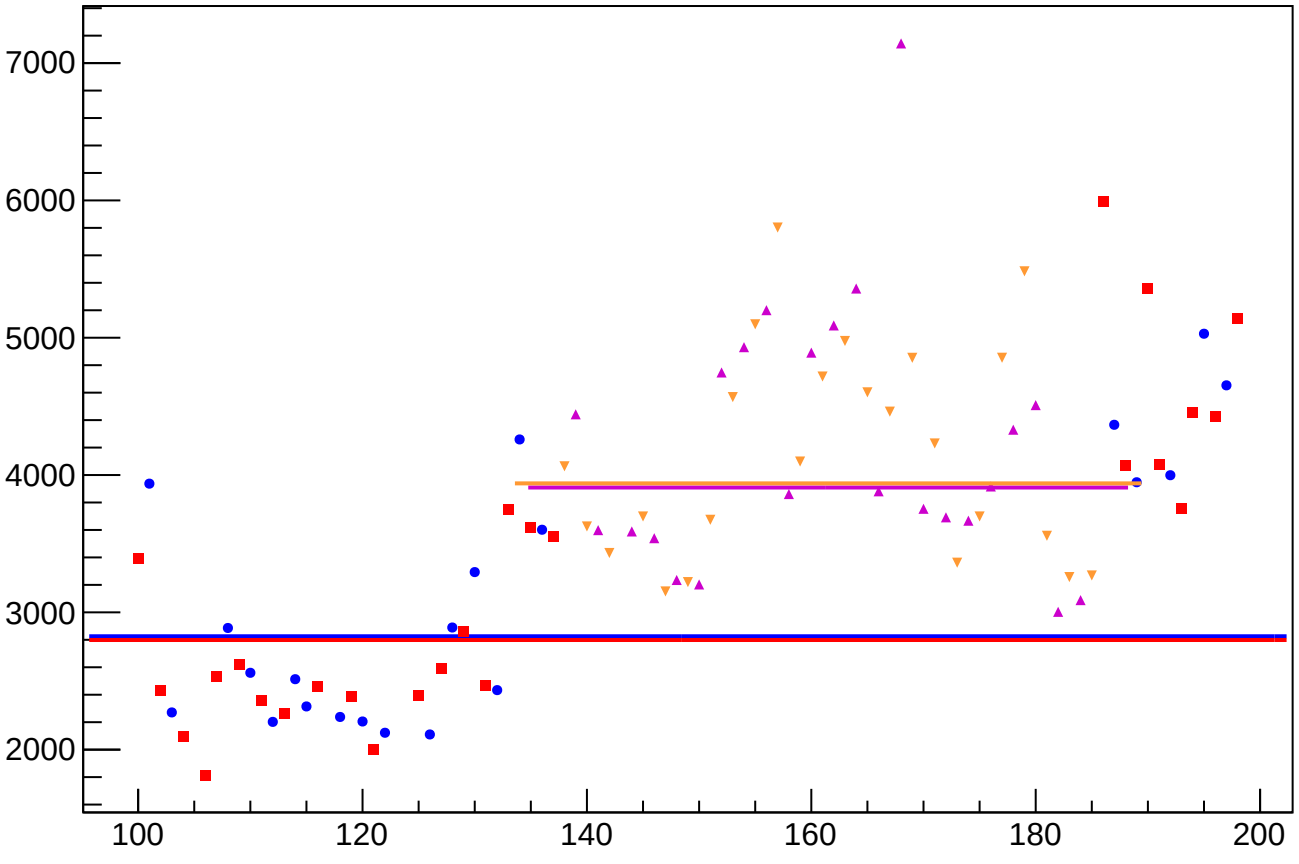
Right Out: -1012.984+/-831.787 χ^2/NDF: 31.5/25

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 314.064+/-650.380 χ^2/NDF: 51.8/44

All: -174.876+/-449.053 χ^2/NDF: 98.7/93

- sign -620.309+/-620.769 χ^2/NDF: 45.7/48



Right In: 2825.699+/-0.641 χ^2/NDF: 1693244.1/20

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2798.527+/-0.588 χ^2/NDF: 2282678.6/25

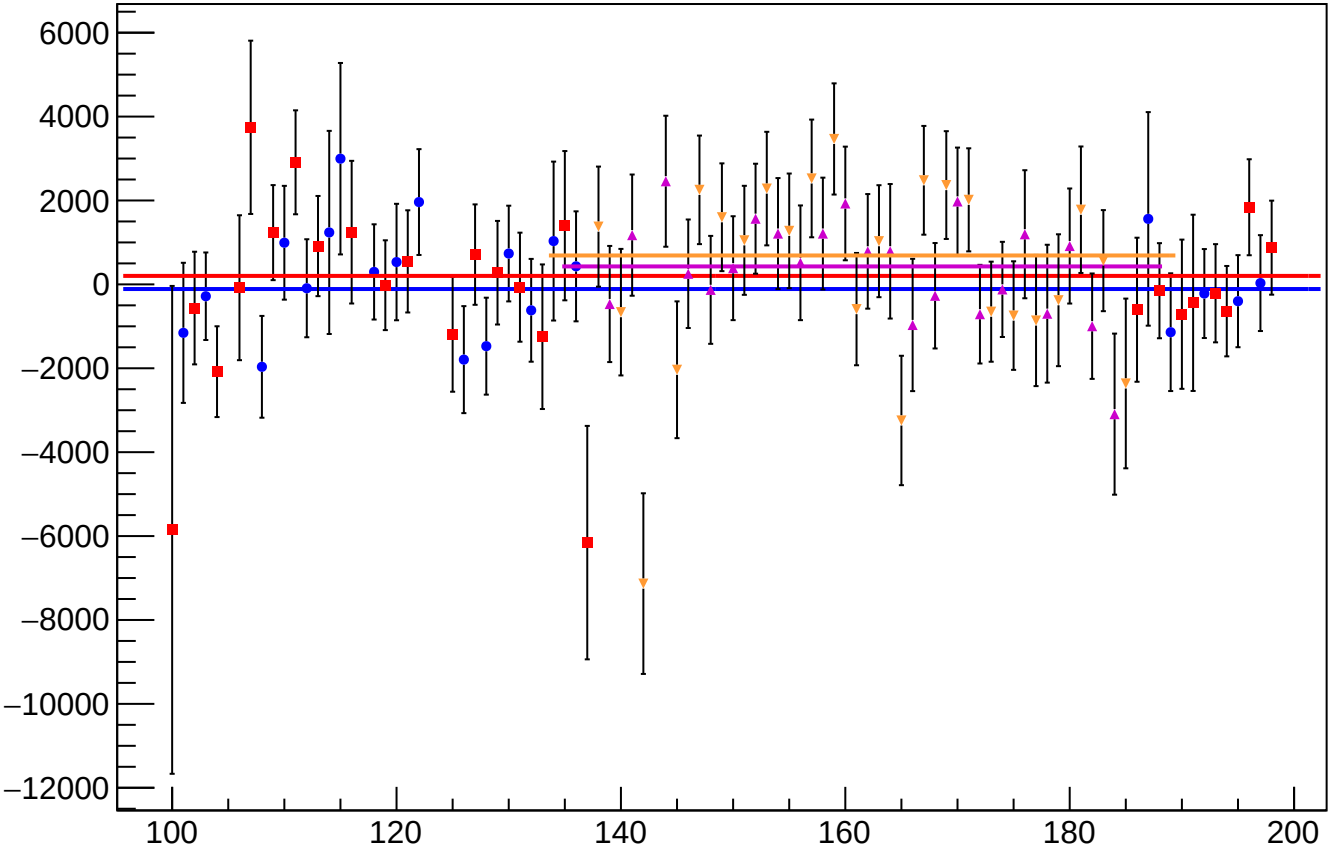
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3365.397+/-0.460 χ^2/NDF: 4250300.8/44

All: 3326.232+/-0.318 χ^2/NDF: 9427230.0/93

- sign 3290.551+/-0.439 χ^2/NDF: 5163069.0/48

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -110.827+/-284.847 χ^2/NDF: 14.1/20

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 202.111+/-266.284 χ^2/NDF: 26.7/25

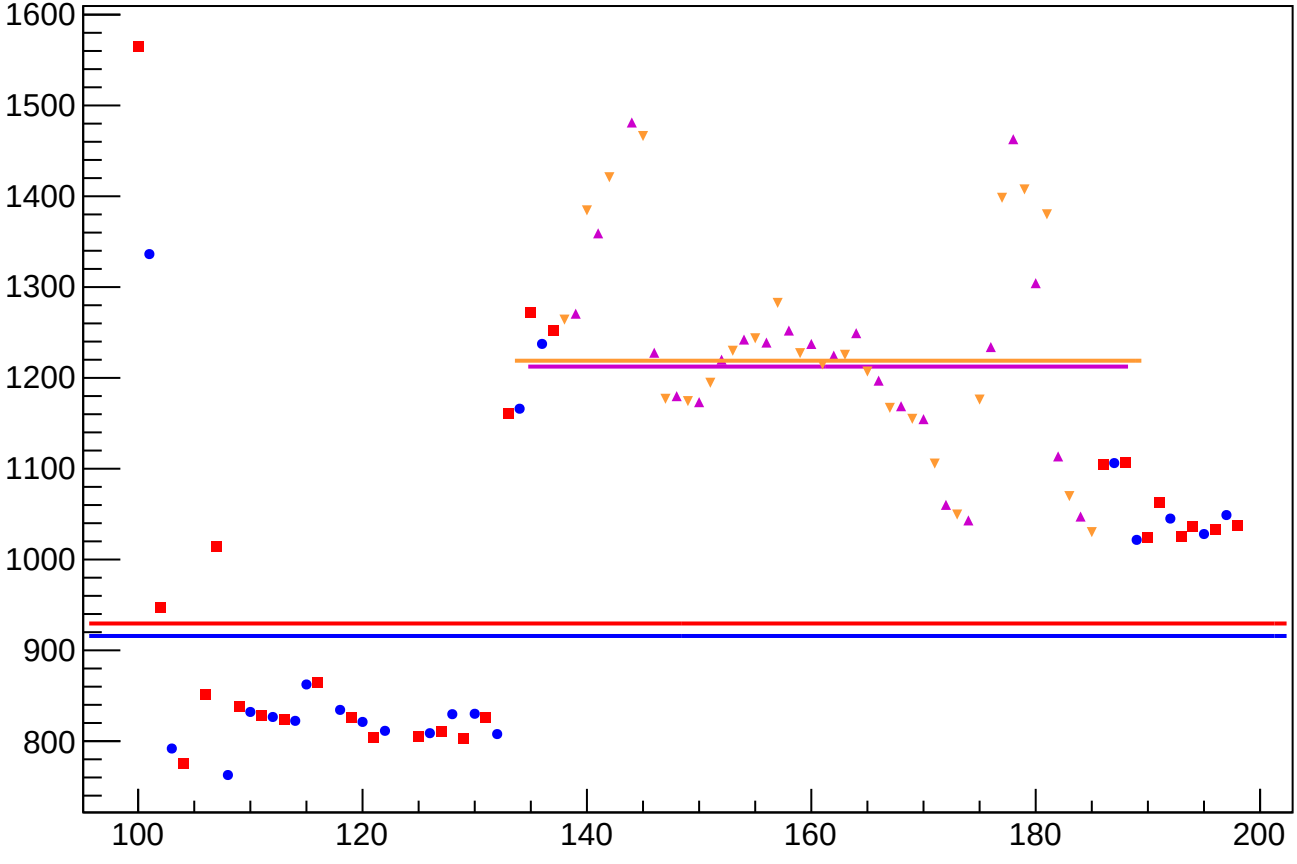
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 289.774+/-201.255 χ^2/NDF: 63.8/44

All: 299.030+/-139.813 χ^2/NDF: 105.5/93

- sign 307.664+/-194.375 χ^2/NDF: 41.7/48

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 915.813+/-0.201 χ^2/NDF: 551140.8/20

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 929.564+/-0.188 χ^2/NDF: 515299.9/25

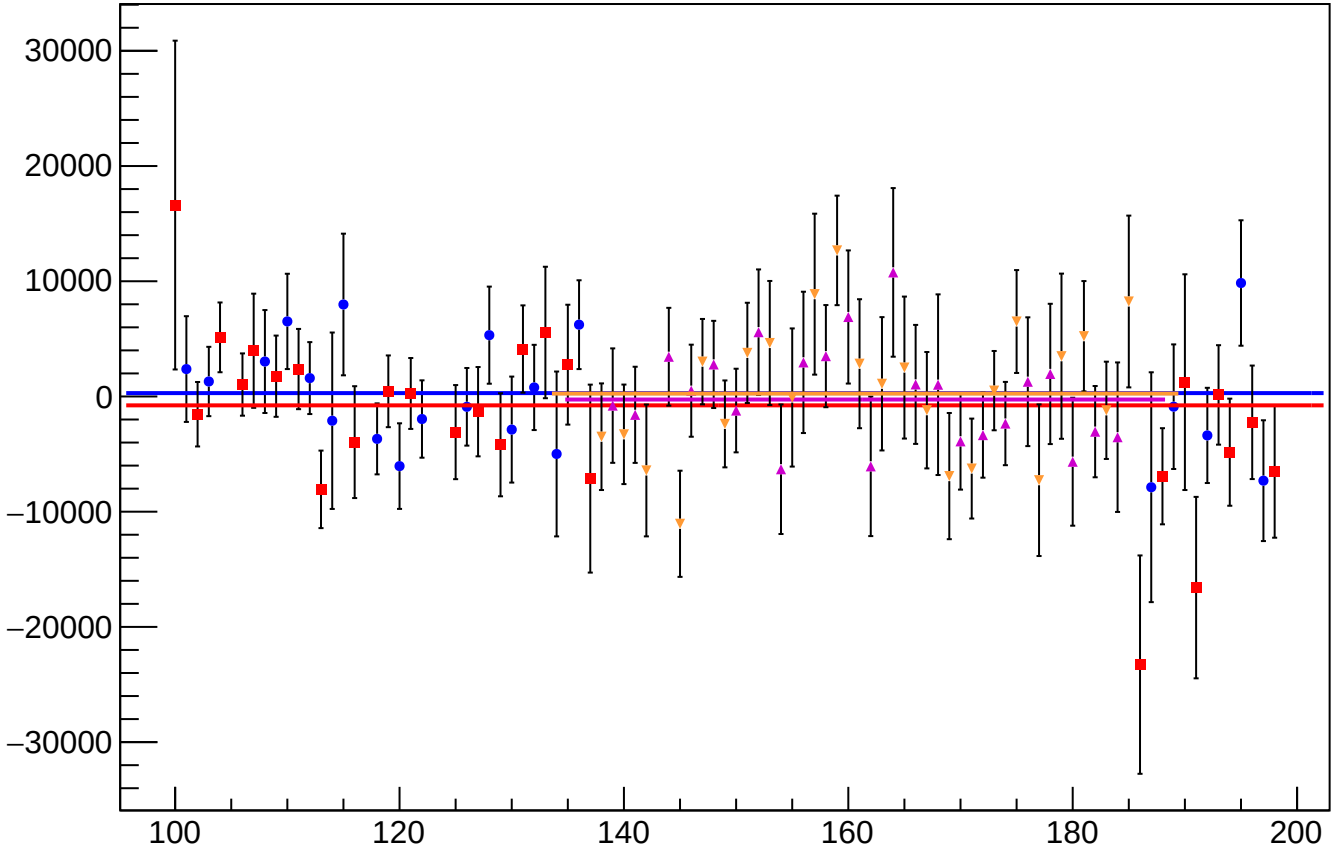
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1067.615+/-0.142 χ^2/NDF: 1979222.9/44

All: 1064.515+/-0.099 χ^2/NDF: 3810853.3/93

- sign 1061.626+/-0.137 χ^2/NDF: 1830714.0/48

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 292.320+/-911.392 χ^2/NDF: 21.5/20

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -771.263+/-811.460 χ^2/NDF: 32.2/25

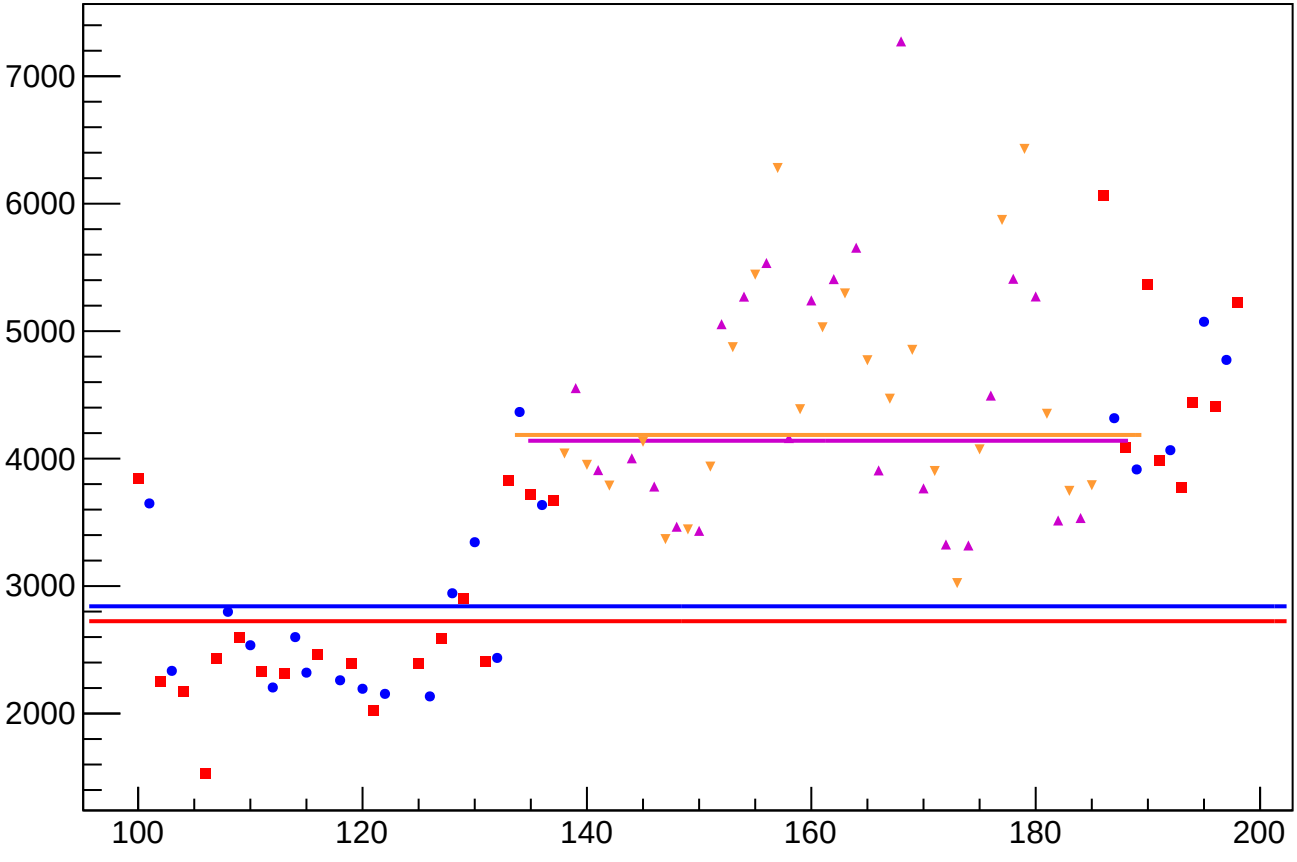
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 274.294+/-672.115 χ^2/NDF: 51.1/44

All: -175.845+/-458.712 χ^2/NDF: 97.7/93

- sign -568.335+/-627.602 χ^2/NDF: 45.8/48

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2841.307+/-0.644 χ^2/NDF: 1664313.4/20

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2724.393+/-0.574 χ^2/NDF: 2612286.7/25

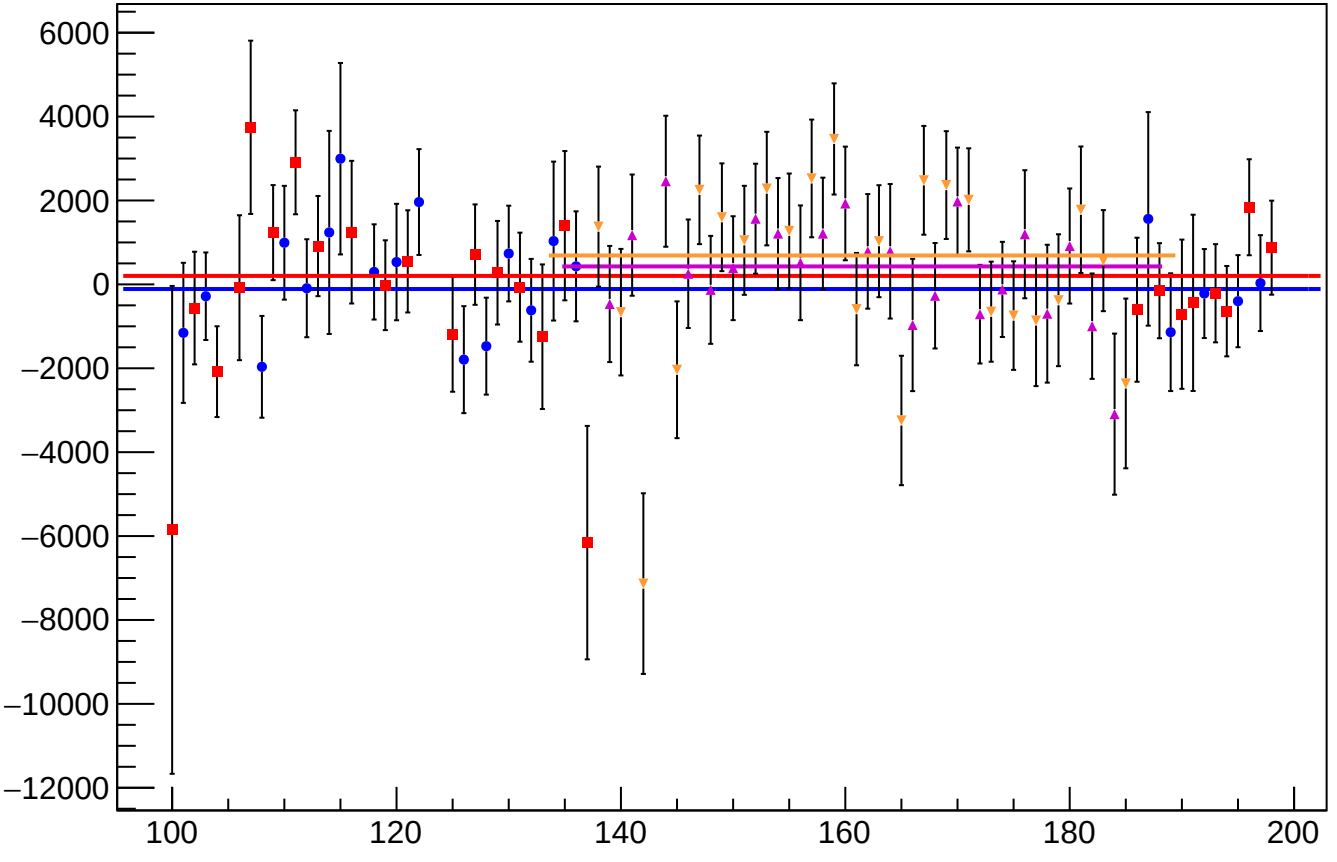
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3454.536+/-0.475 χ^2/NDF: 4920531.5/44

All: 3368.363+/-0.324 χ^2/NDF: 11490187.4/9

- sign 3293.226+/-0.444 χ^2/NDF: 6508113.3/48

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -110.828+/-284.847 χ^2/NDF: 14.1/20

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 202.113+/-266.284 χ^2/NDF: 26.7/25

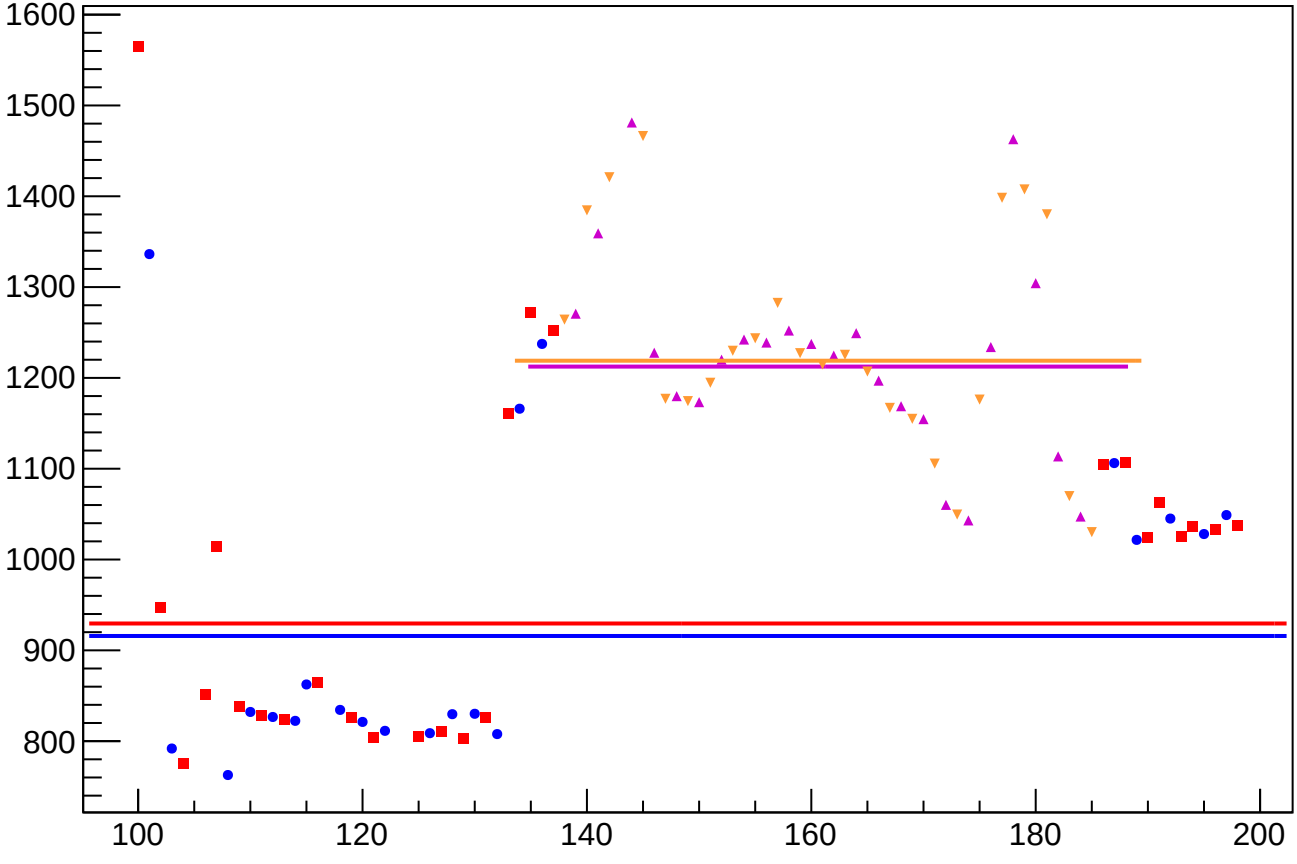
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 289.775+/-201.255 χ^2/NDF: 63.8/44

All: 299.030+/-139.813 χ^2/NDF: 105.5/93

- sign 307.664+/-194.375 χ^2/NDF: 41.7/48

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 915.813+/-0.201 χ^2/NDF: 551140.9/20

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

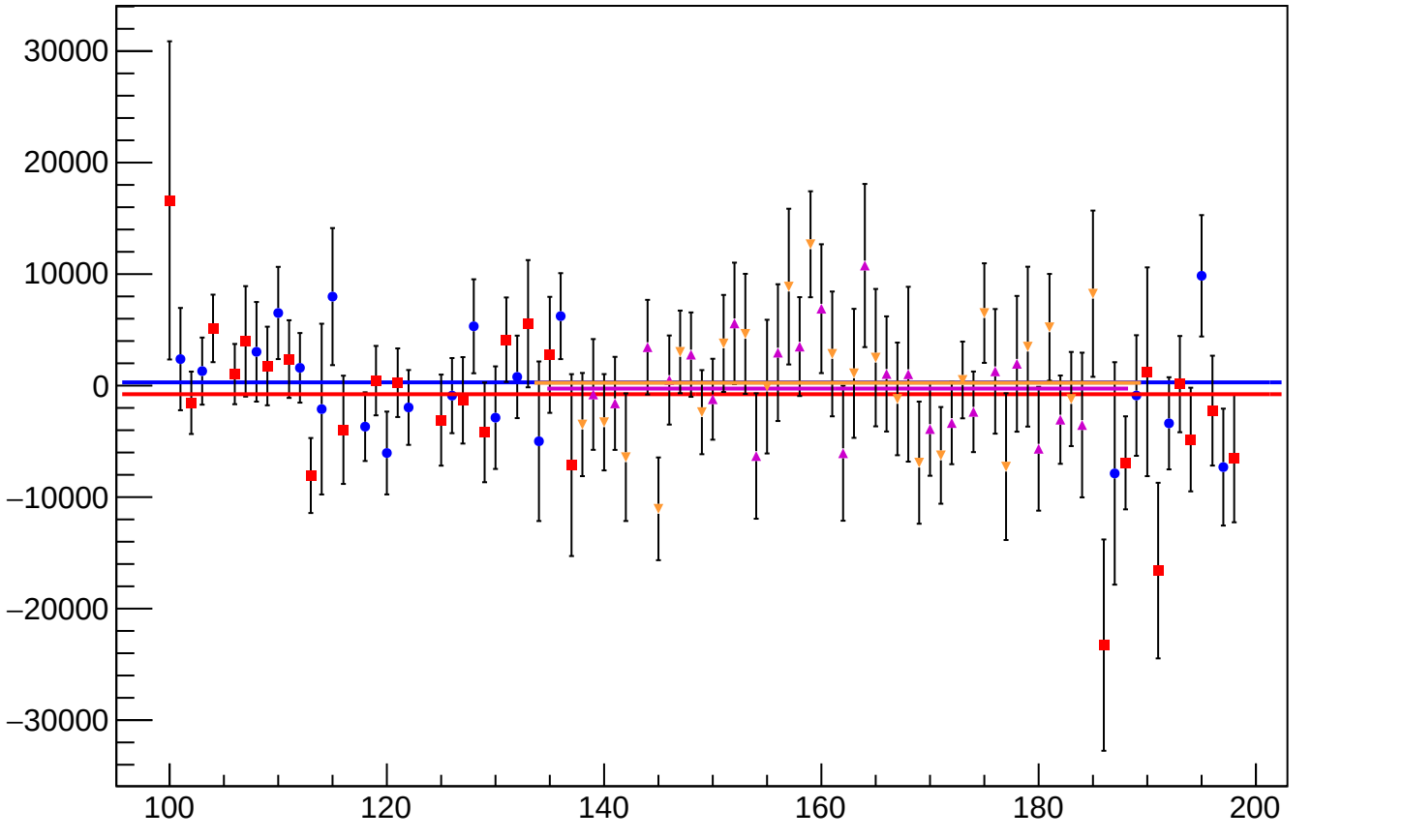
Right Out: 929.564+/-0.188 χ^2/NDF: 515300.3/25

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1067.615+/-0.142 χ^2/NDF: 1979239.6/44

All: 1064.516+/-0.099 χ^2/NDF: 3810886.4/93

- sign 1061.627+/-0.137 χ^2/NDF: 1830730.3/48



Right In: 292.317+/-911.390 χ^2/NDF: 21.5/20

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -771.258+/-811.458 χ^2/NDF: 32.2/25

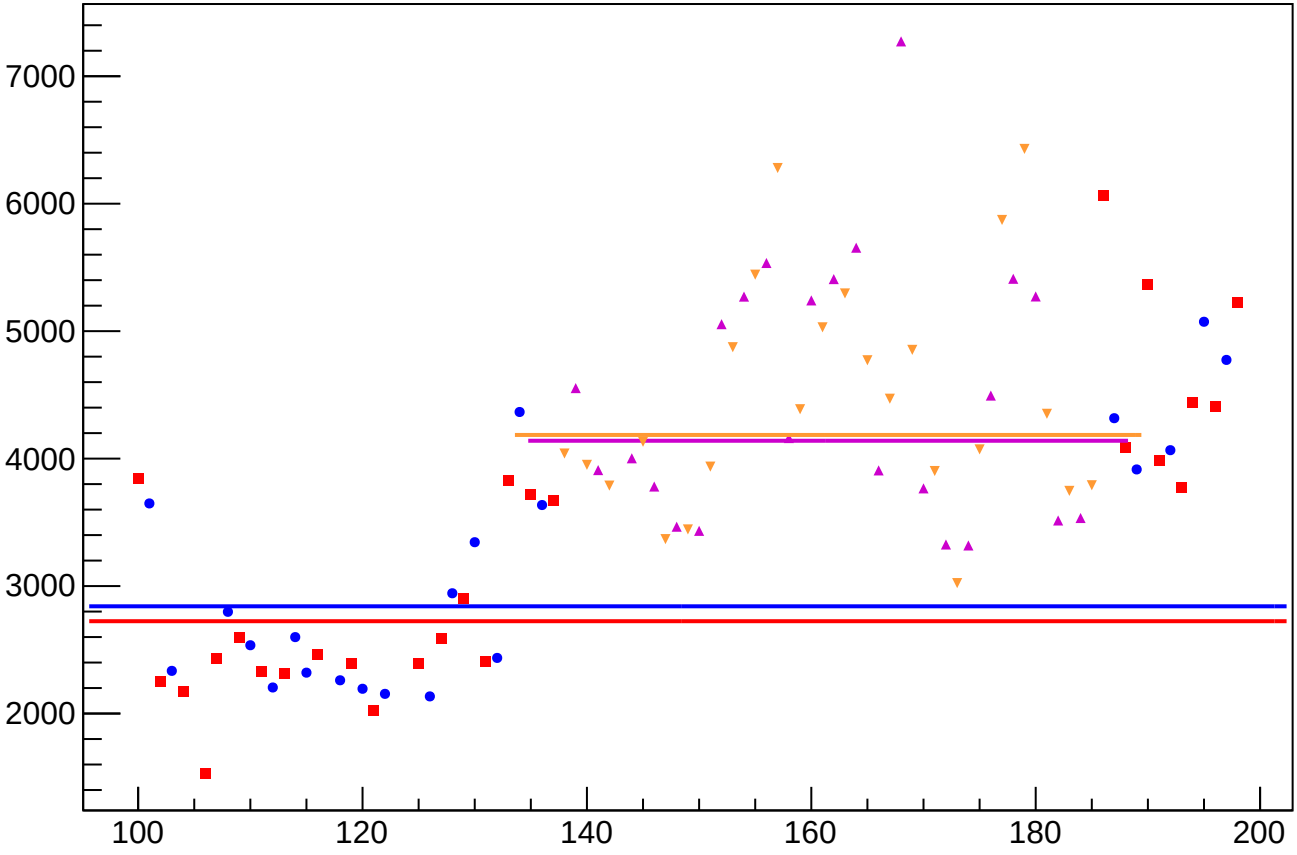
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 274.293+/-672.115 χ^2/NDF: 51.1/44

All: -175.845+/-458.711 χ^2/NDF: 97.7/93

- sign -568.334+/-627.602 χ^2/NDF: 45.8/48

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2841.299+/-0.644 χ^2/NDF: 1664337.4/20

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2724.387+/-0.574 χ^2/NDF: 2612310.5/25

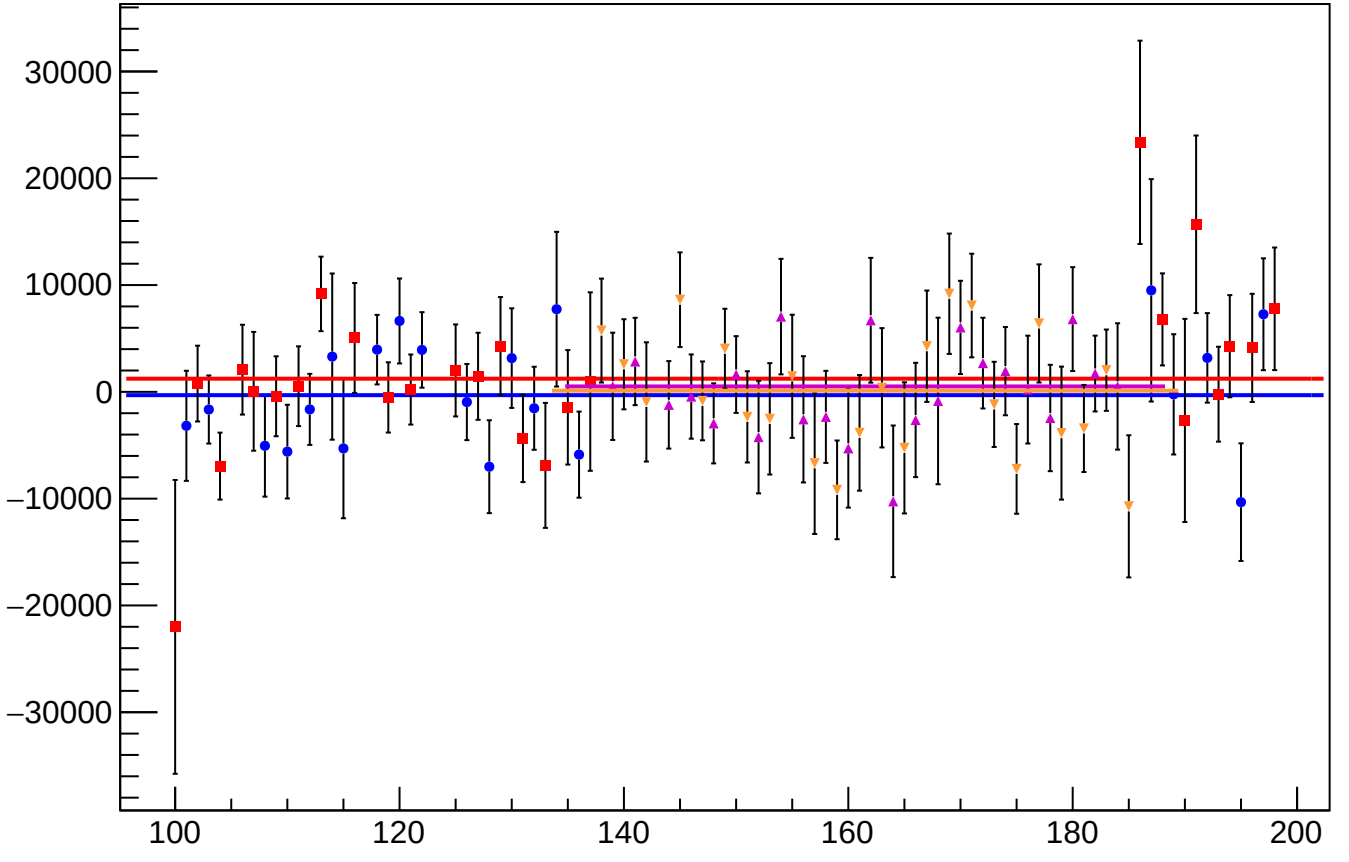
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3454.532+/-0.475 χ^2/NDF: 4920602.6/44

All: 3368.359+/-0.324 χ^2/NDF: 11490330.6/9

- sign 3293.222+/-0.444 χ^2/NDF: 6508185.3/48

asym_usl_atl2_dd_mean vs Slug



Right In: -309.323+/-957.344 χ^2/NDF: 23.3/20

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1233.049+/-884.689 χ^2/NDF: 33.0/25

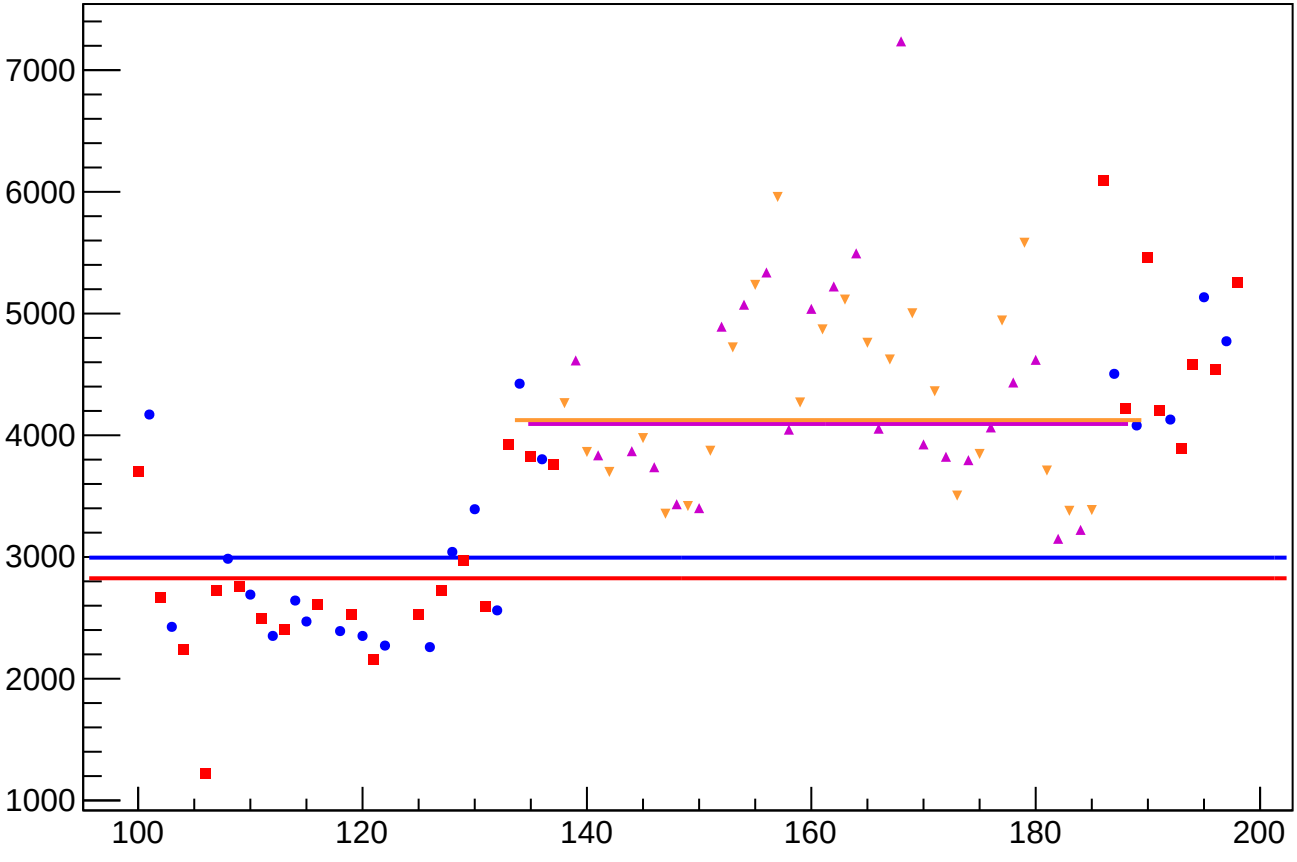
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -104.128+/-683.307 χ^2/NDF: 51.4/44

All: 422.250+/-472.818 χ^2/NDF: 99.4/93

- sign 905.810+/-654.926 χ^2/NDF: 46.9/48

asym_usl_atl2_dd_rms vs Slug



Right In: 2994.741+/-0.677 χ^2/NDF: 1551595.6/20

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

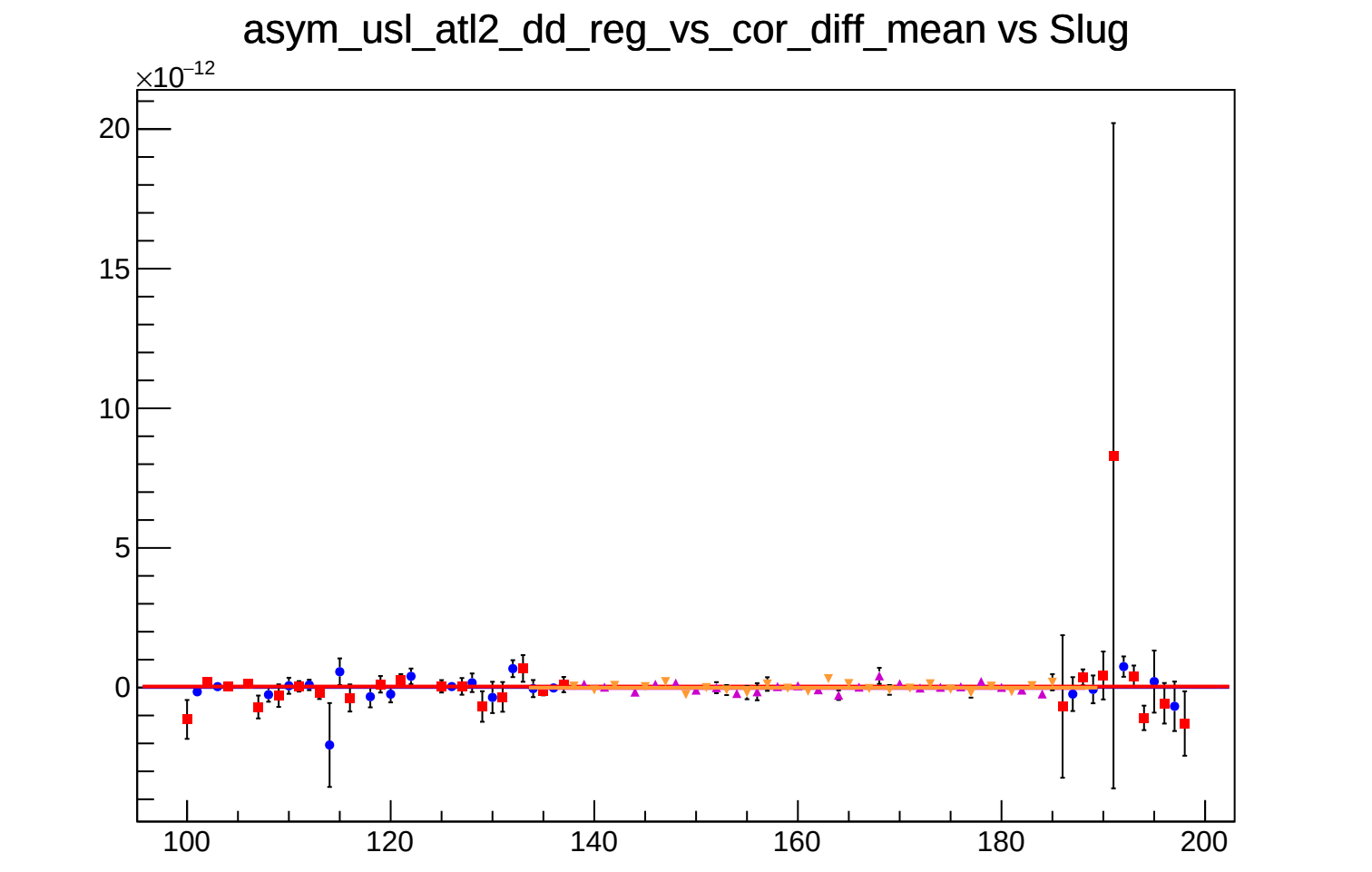
Right Out: 2825.202+/-0.602 χ^2/NDF: 2847648.6/25

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3548.944+/-0.483 χ^2/NDF: 3887816.7/44

All: 3456.228+/-0.331 χ^2/NDF: 9887359.9/93

- sign 3374.572+/-0.453 χ^2/NDF: 5930291.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/25

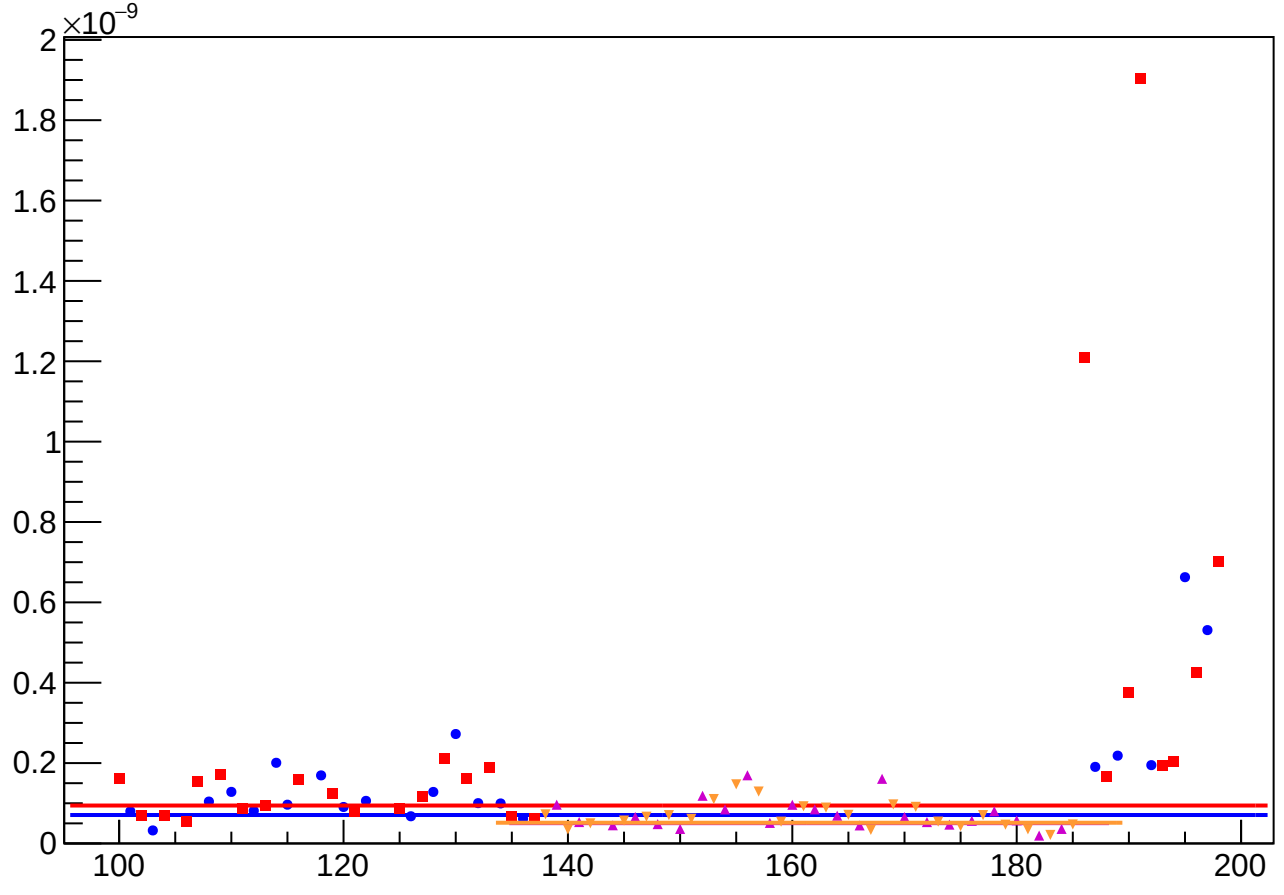
Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/44

All: -0.000+/-0.000 χ^2/NDF: 100.0/93

- sign -0.000+/-0.000 χ^2/NDF: 55.2/48

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848462.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2771767.5/25

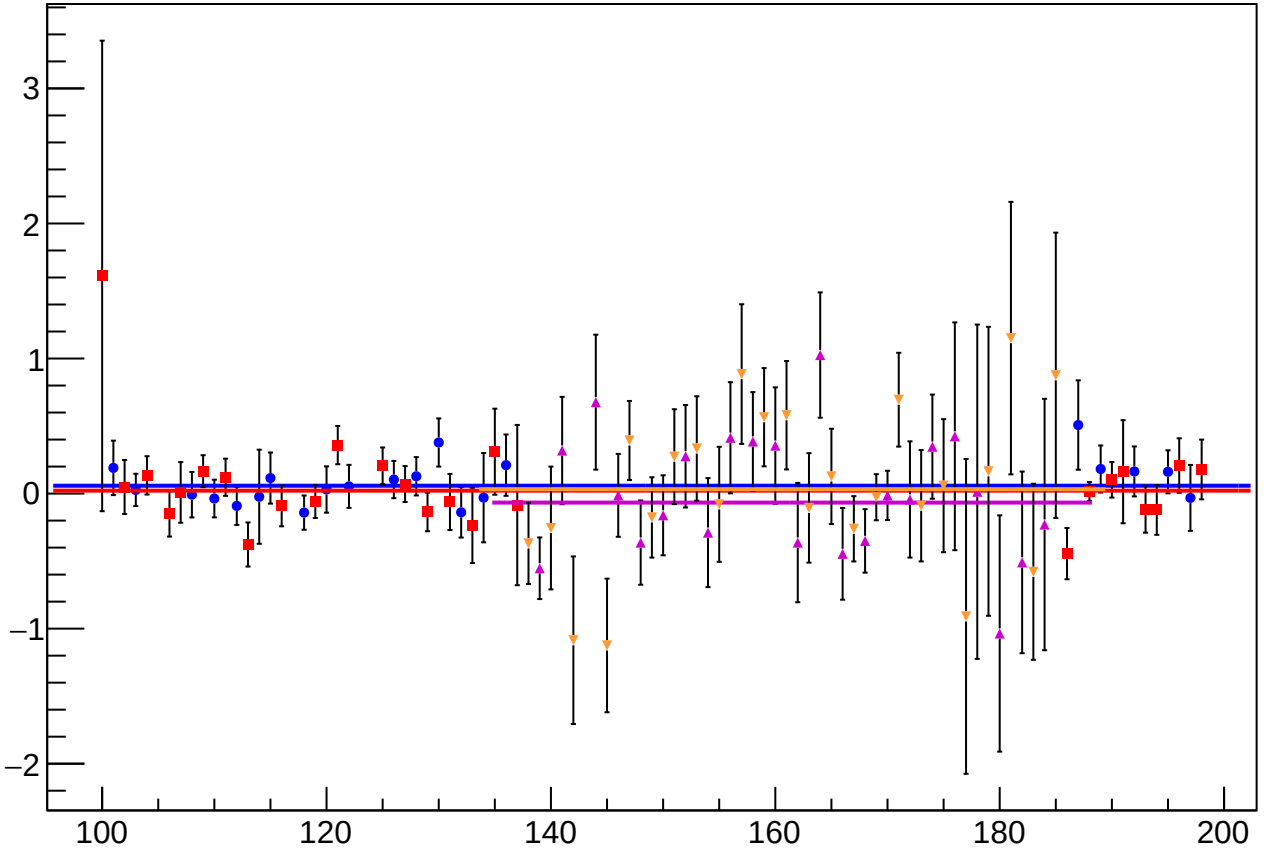
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5428898.2/44

All: 0.000+/-0.000 χ^2/NDF: 11876159.3/93

- sign 0.000+/-0.000 χ^2/NDF: 6439520.3/48

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.058+/-0.037 χ^2/NDF: 13.3/20

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.022+/-0.031 χ^2/NDF: 31.3/25

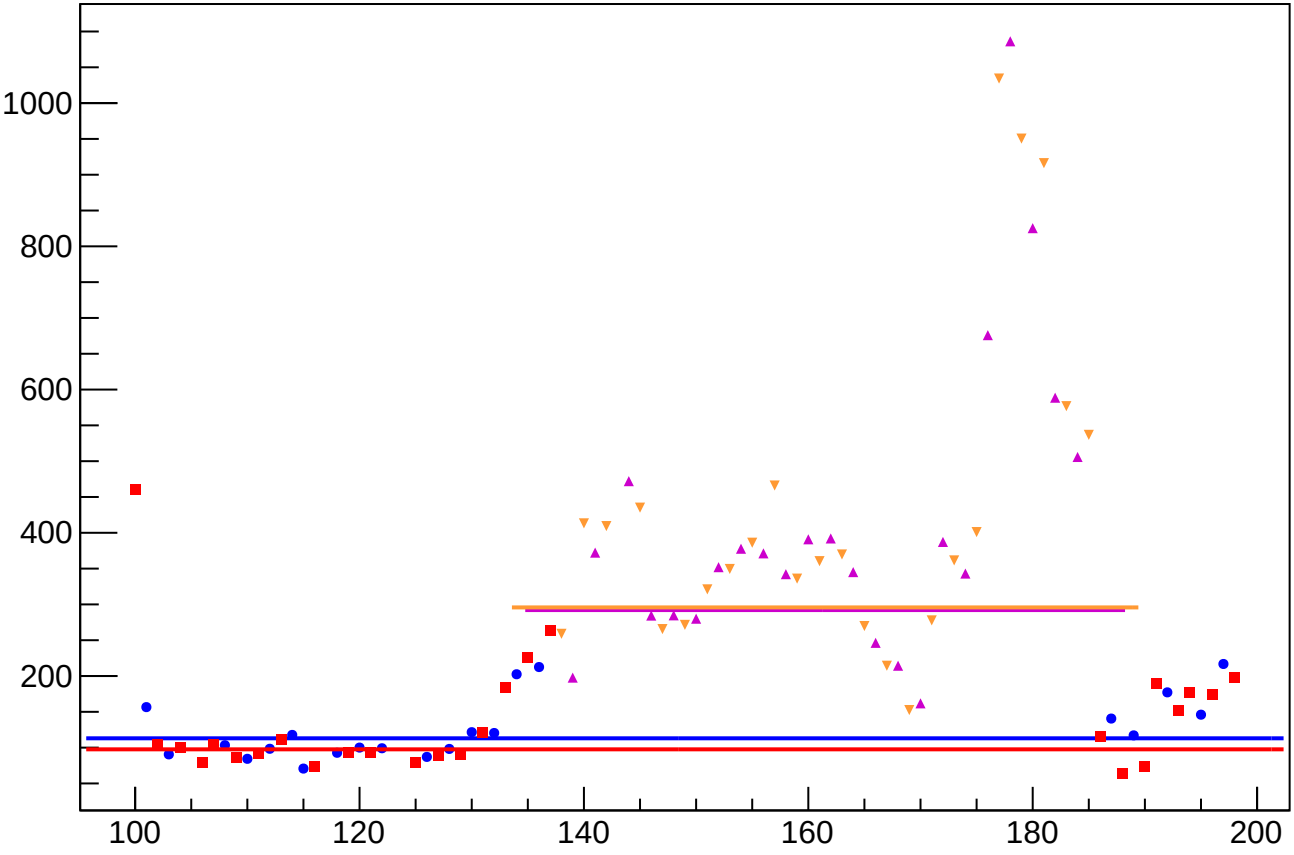
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.033 χ^2/NDF: 43.1/44

All: 0.027+/-0.022 χ^2/NDF: 102.3/93

- sign 0.009+/-0.028 χ^2/NDF: 58.2/48

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 113.027+/-0.026 χ^2/NDF: 1787630.9/20

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

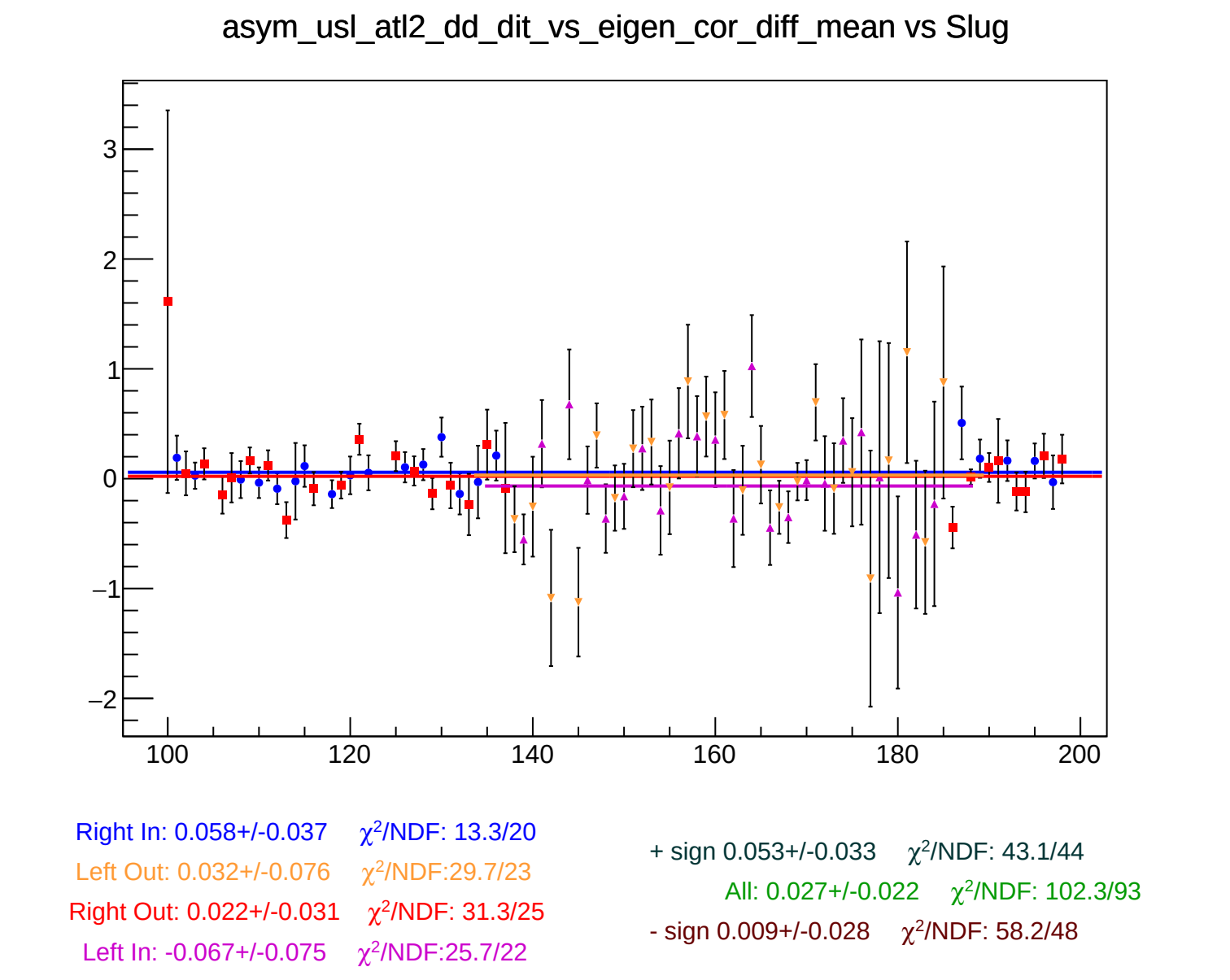
Right Out: 97.624+/-0.022 χ^2/NDF: 2893629.4/25

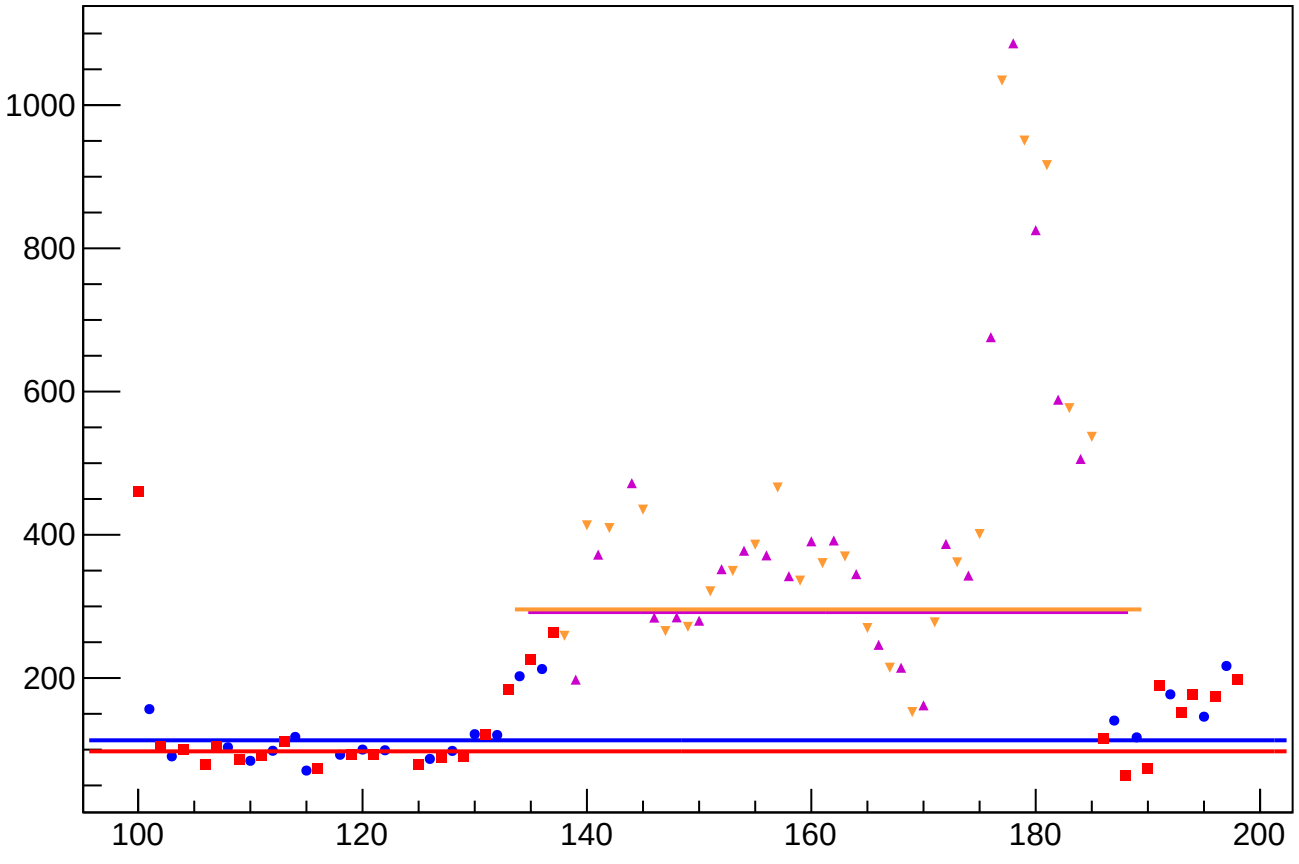
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.394+/-0.024 χ^2/NDF: 16616150.7/44

All: 135.105+/-0.015 χ^2/NDF: 36709724.2/93

- sign 125.568+/-0.020 χ^2/NDF: 19550850.1/48


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.058+/-0.037 χ²/NDF: 13.3/20
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.022+/-0.031 χ²/NDF: 31.3/25
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.053+/-0.033 χ²/NDF: 43.1/44
All: 0.027+/-0.022 χ²/NDF: 102.3/93
- sign 0.009+/-0.028 χ²/NDF: 58.2/48



Right In: 113.027+/-0.026 χ^2/NDF: 1787630.9/20

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

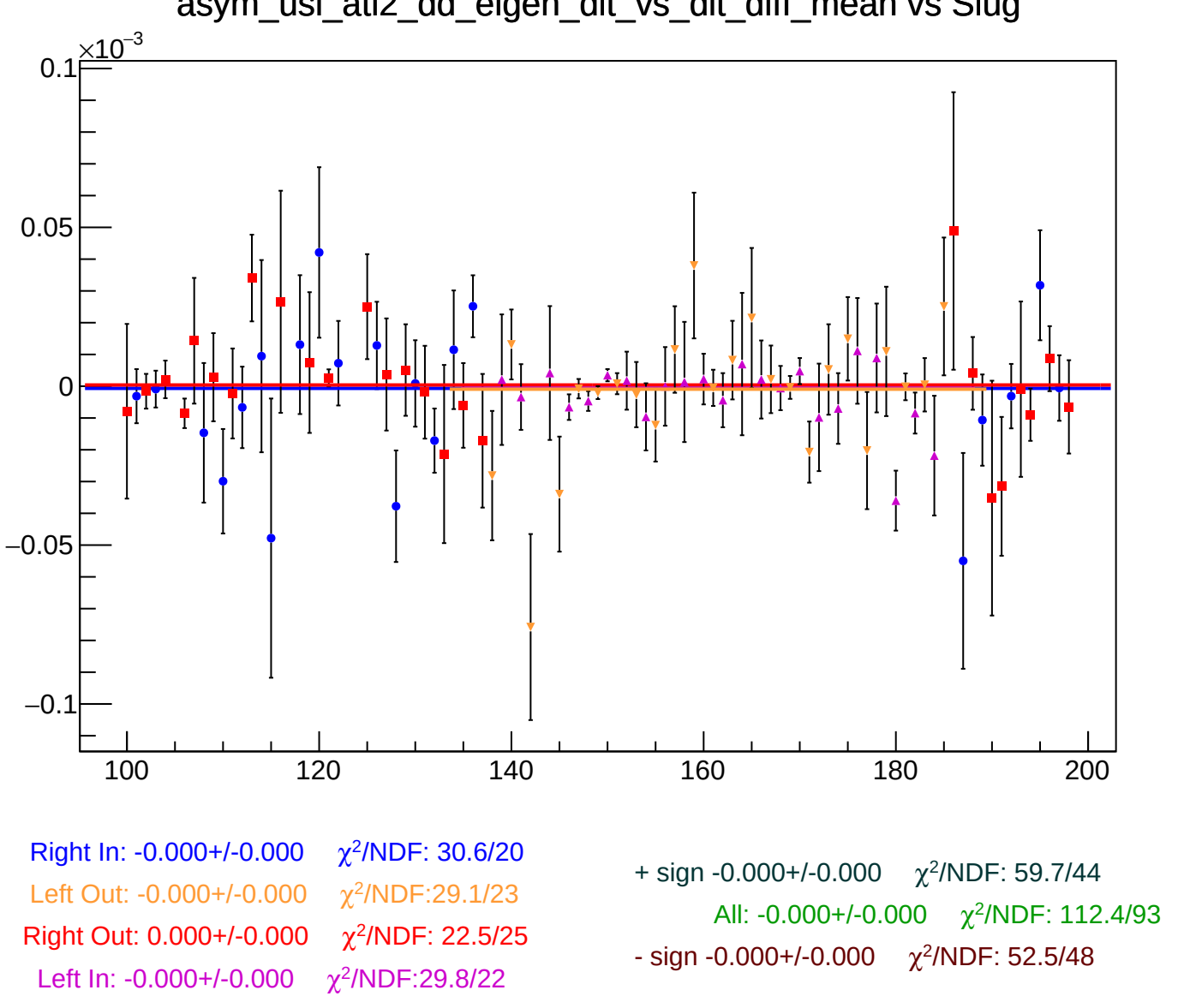
Right Out: 97.624+/-0.022 χ^2/NDF: 2893629.4/25

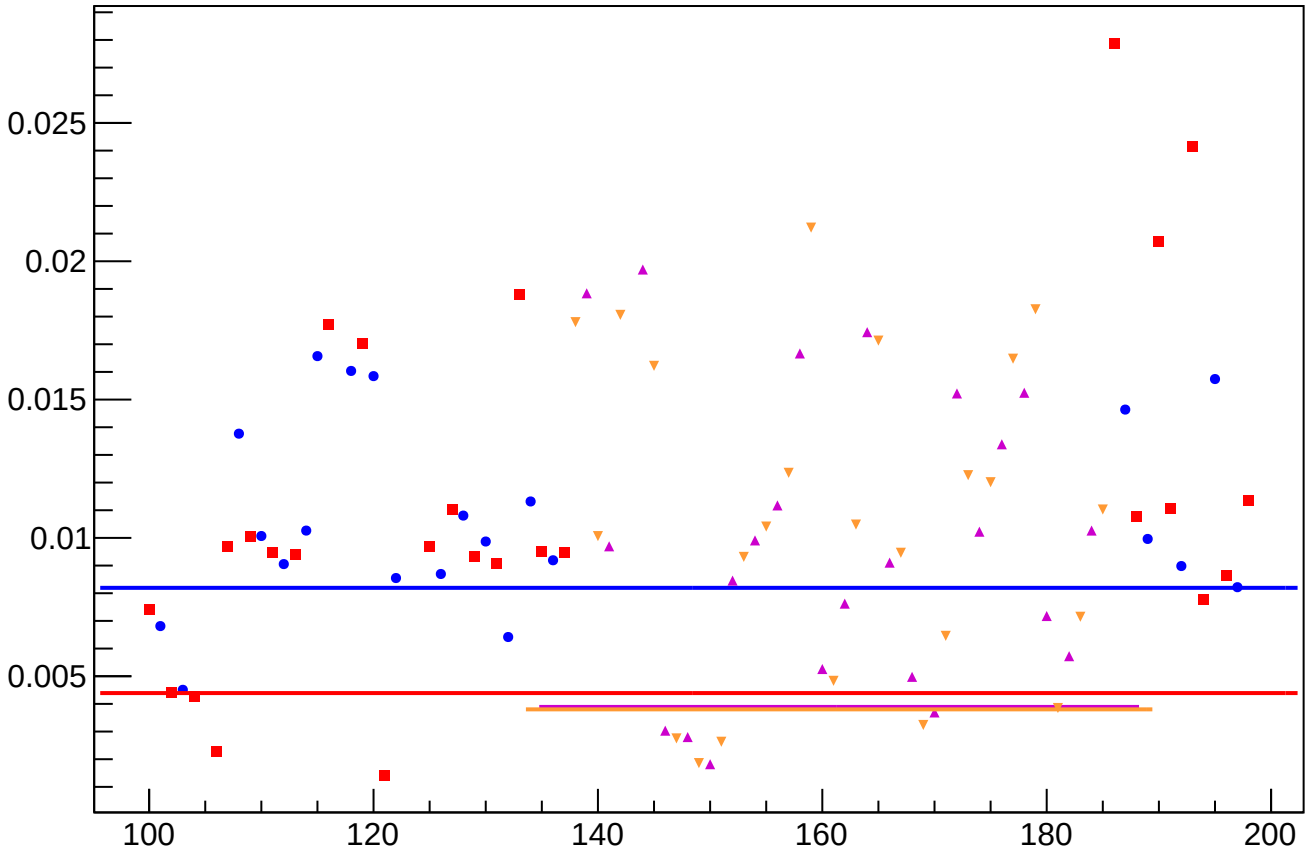
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.394+/-0.024 χ^2/NDF: 16616150.7/44

All: 135.105+/-0.015 χ^2/NDF: 36709724.2/93

- sign 125.568+/-0.020 χ^2/NDF: 19550850.1/48


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 30.6/20
Left Out: -0.000+/-0.000 χ²/NDF:29.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.5/25
Left In: -0.000+/-0.000 χ²/NDF:29.8/22
+ sign -0.000+/-0.000 χ²/NDF: 59.7/44
All: -0.000+/-0.000 χ²/NDF: 112.4/93
- sign -0.000+/-0.000 χ²/NDF: 52.5/48



Right In: 0.008+/-0.000 χ^2/NDF: 2239008.0/20

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 10668254.7/25

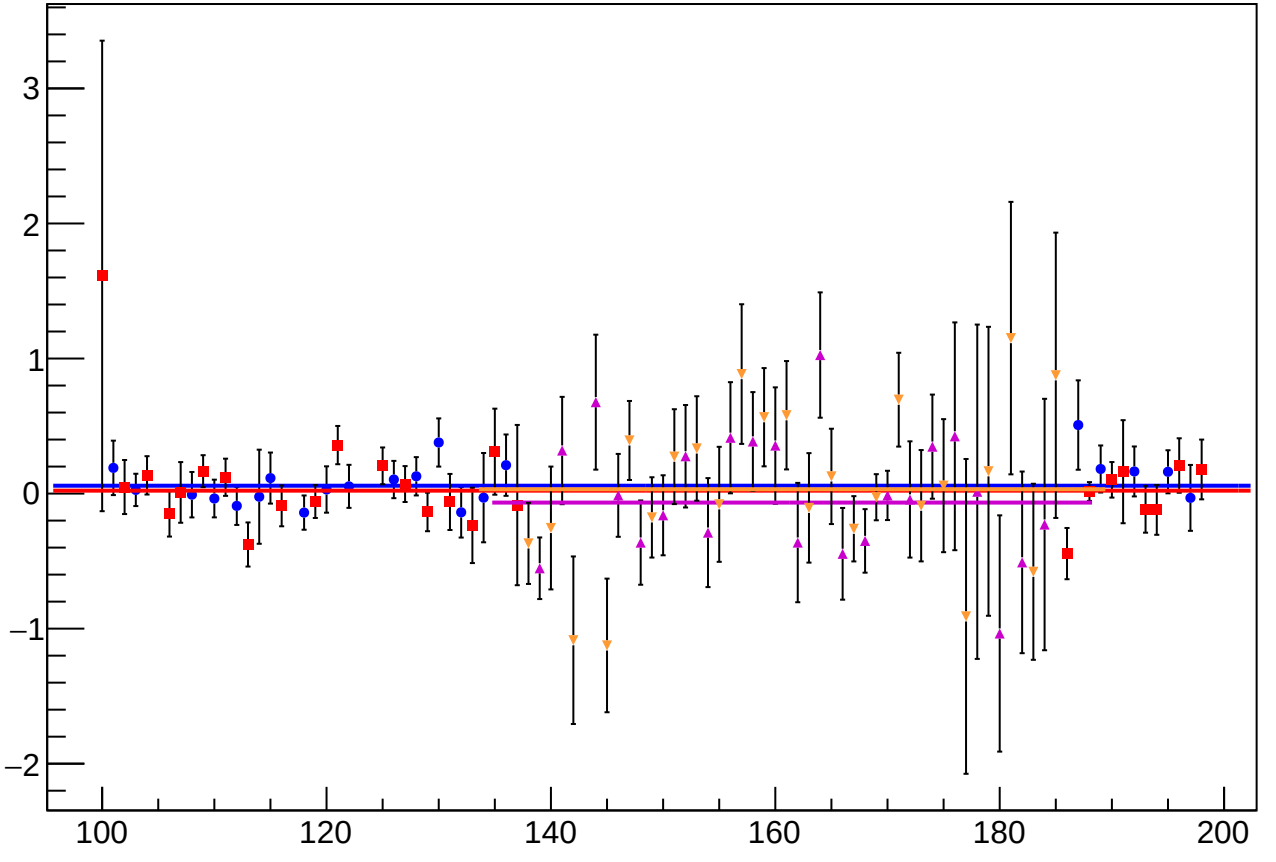
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 21138334.0/44

All: 0.004+/-0.000 χ^2/NDF: 45612174.5/93

- sign 0.004+/-0.000 χ^2/NDF: 24303168.8/48

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.058+/-0.037 χ^2/NDF: 13.3/20

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.022+/-0.031 χ^2/NDF: 31.3/25

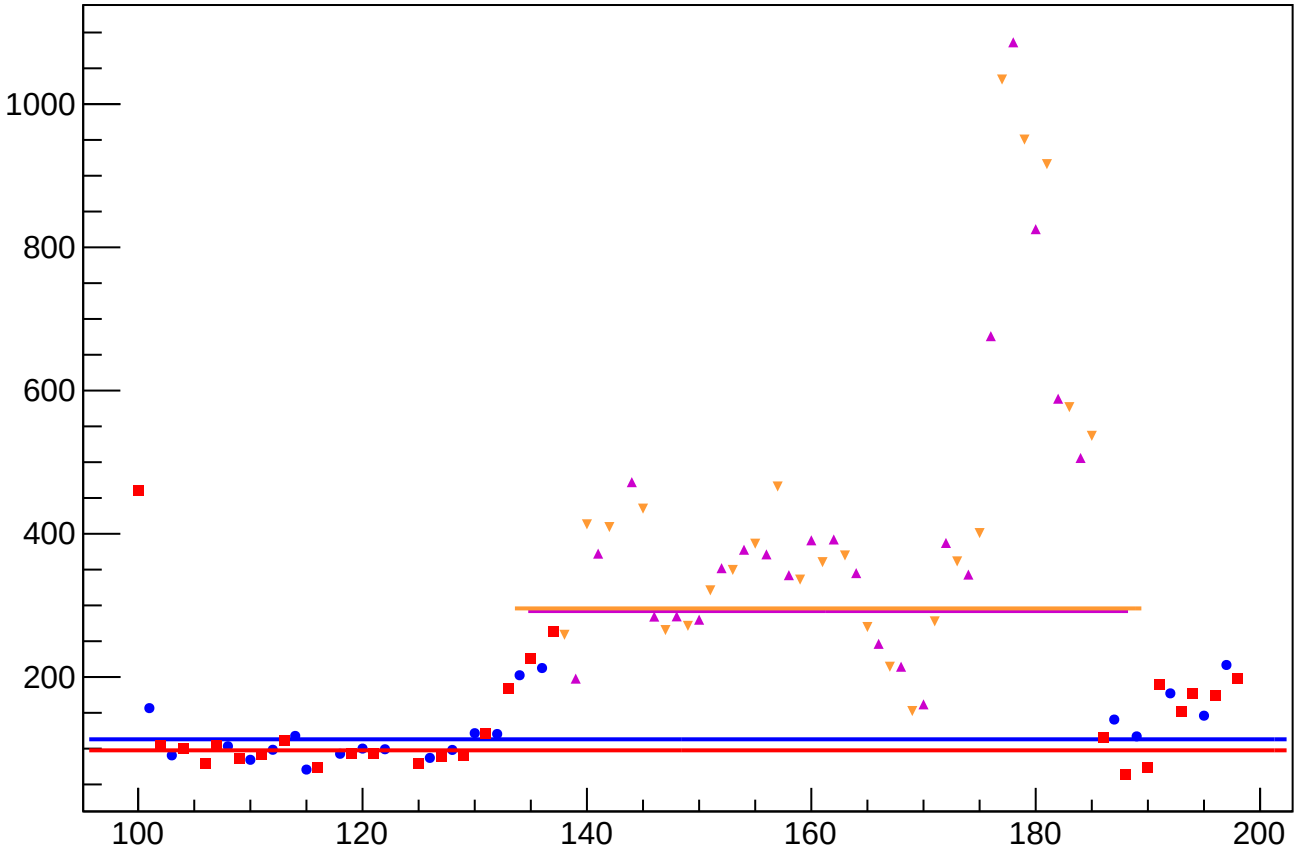
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.033 χ^2/NDF: 43.1/44

All: 0.027+/-0.022 χ^2/NDF: 102.3/93

- sign 0.009+/-0.028 χ^2/NDF: 58.2/48

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 113.027+/-0.026 χ^2/NDF: 1787581.0/20

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

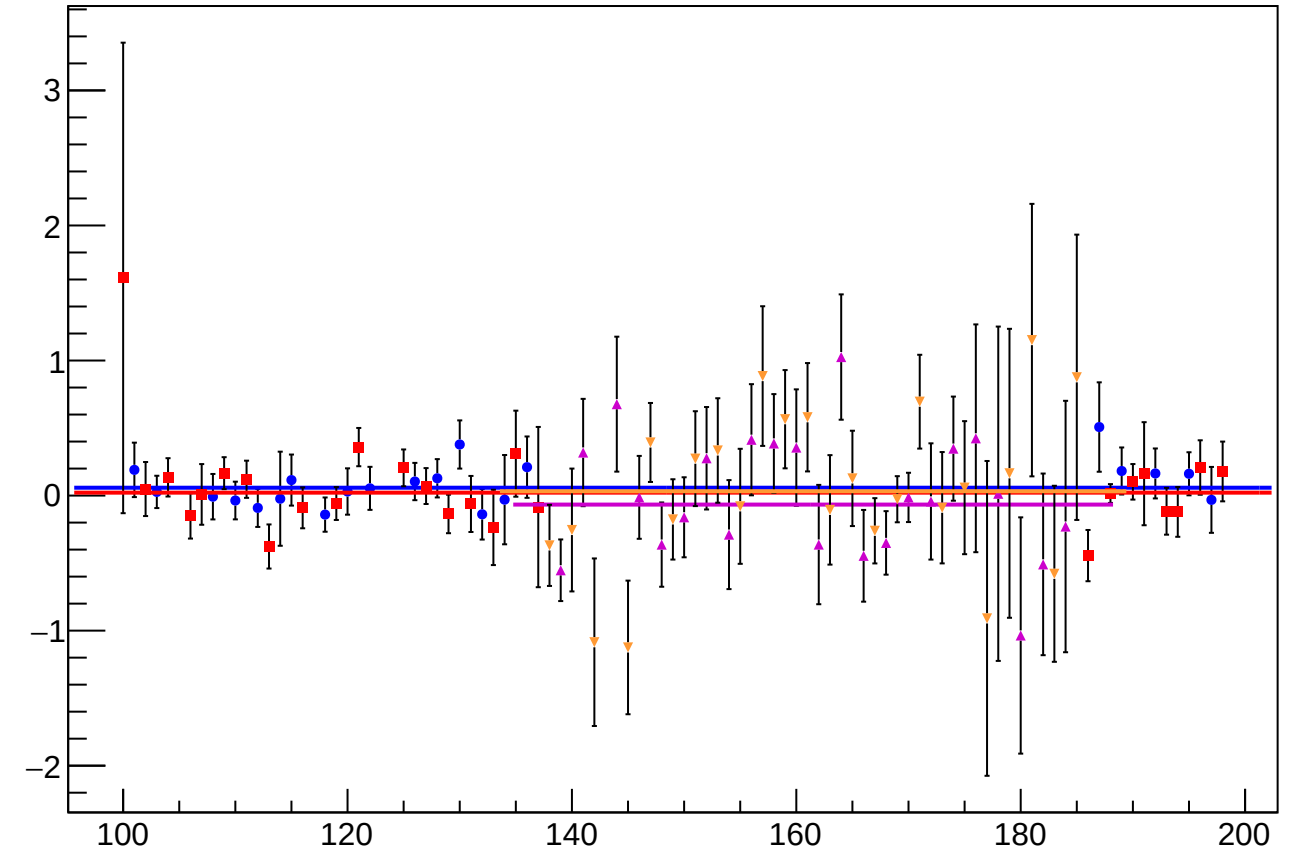
Right Out: 97.623+/-0.022 χ^2/NDF: 2893745.0/25

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.395+/-0.024 χ^2/NDF: 16616181.2/44

All: 135.104+/-0.015 χ^2/NDF: 36710342.4/93

- sign 125.566+/-0.020 χ^2/NDF: 19551323.0/48



Right In: 0.058+/-0.037 χ^2/NDF: 13.3/20

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

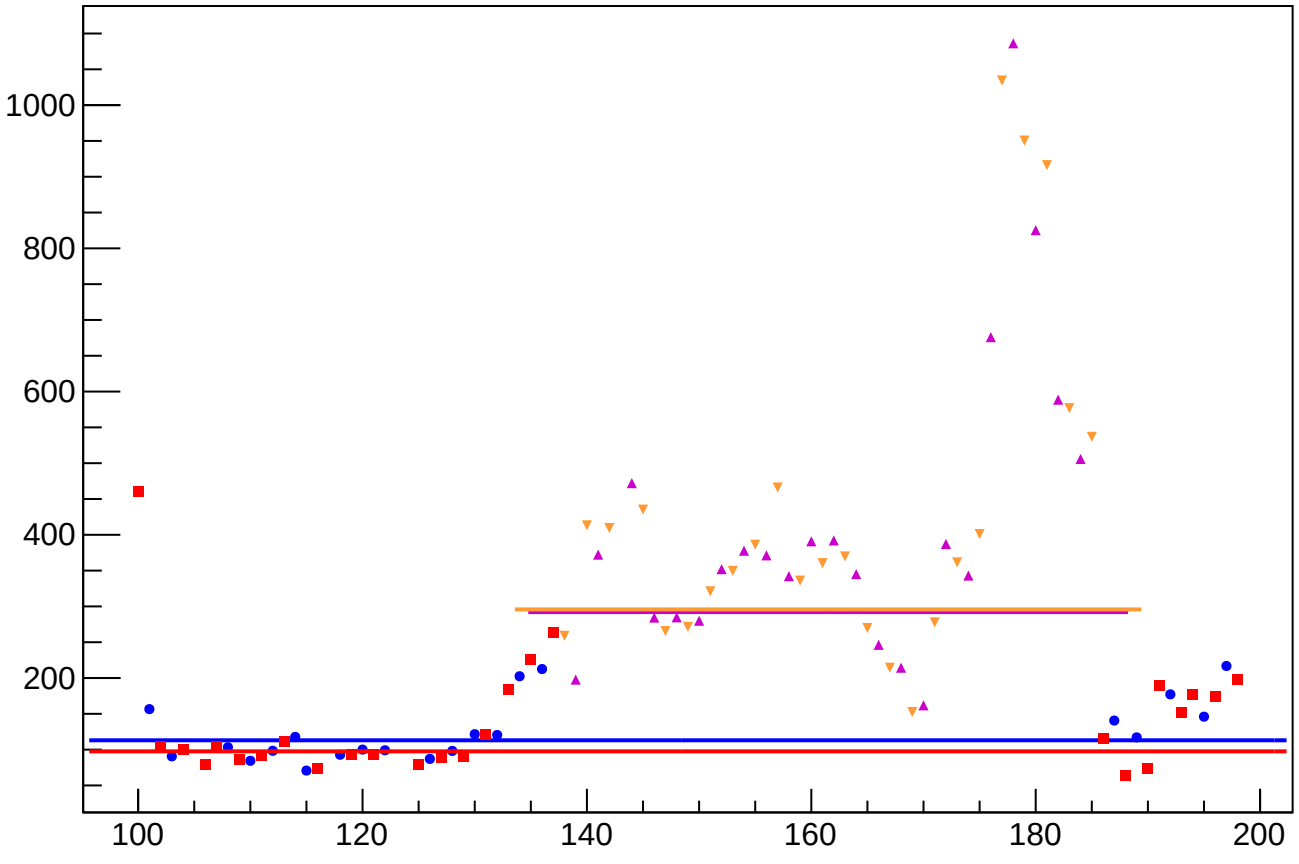
Right Out: 0.022+/-0.031 χ^2/NDF: 31.3/25

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.033 χ^2/NDF: 43.1/44

All: 0.027+/-0.022 χ^2/NDF: 102.3/93

- sign 0.009+/-0.028 χ^2/NDF: 58.2/48



Right In: 113.027+/-0.026 χ^2/NDF: 1787581.0/20

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

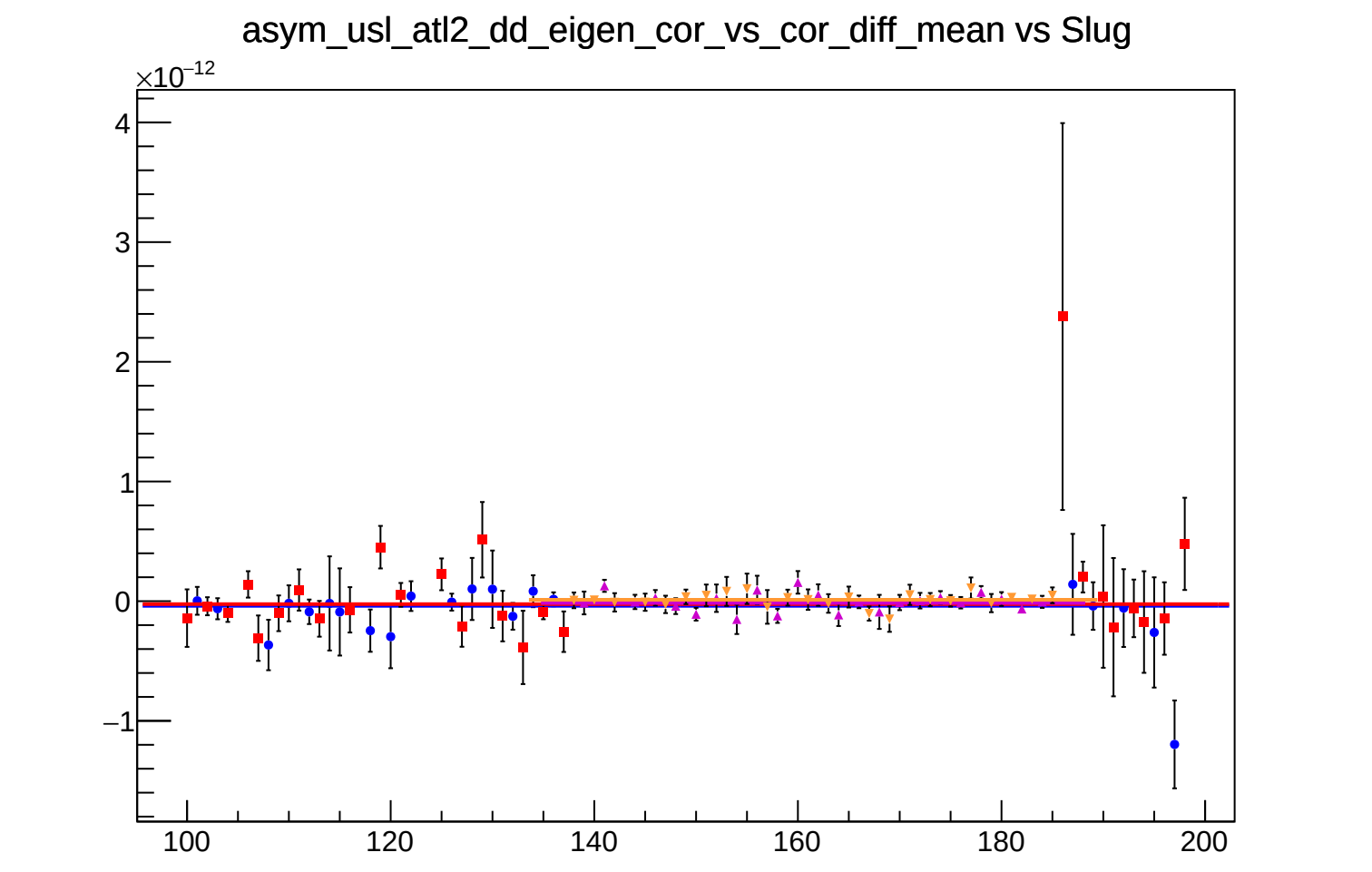
Right Out: 97.623+/-0.022 χ^2/NDF: 2893745.0/25

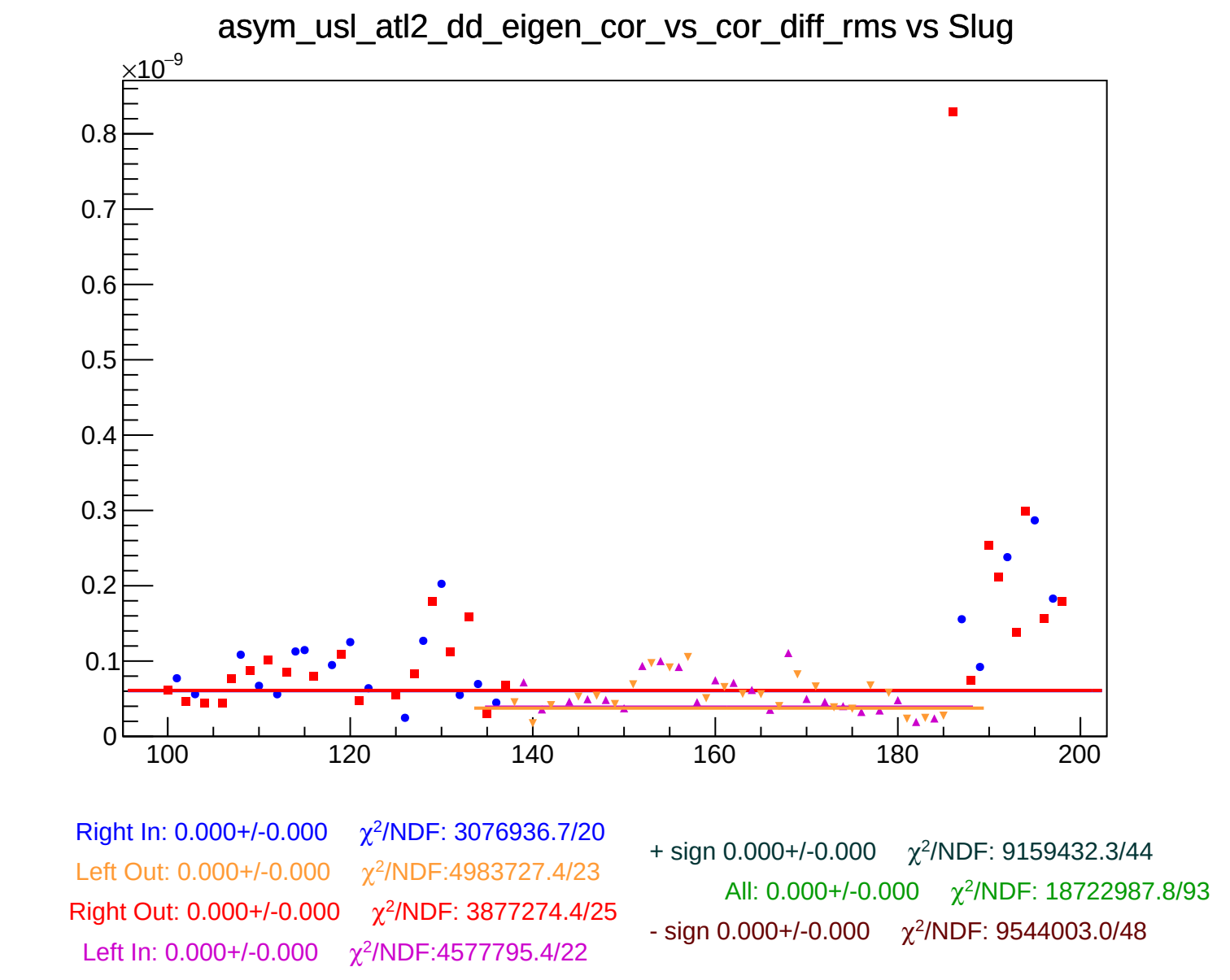
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.395+/-0.024 χ^2/NDF: 16616181.2/44

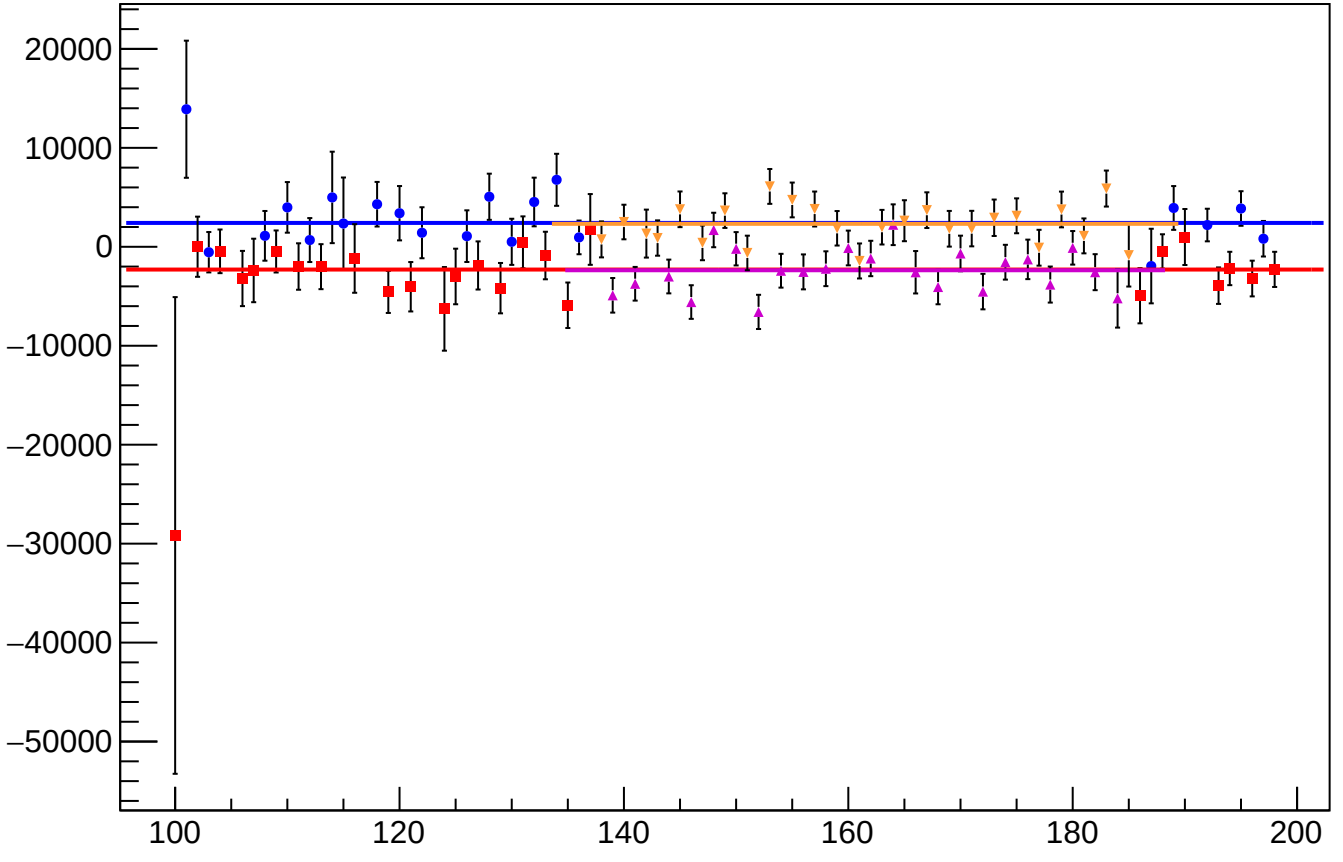
All: 135.104+/-0.015 χ^2/NDF: 36710342.4/93

- sign 125.566+/-0.020 χ^2/NDF: 19551323.0/48


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.0/20
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 34.7/25
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 32.2/44
All: -0.000+/-0.000 χ²/NDF: 99.6/93
- sign -0.000+/-0.000 χ²/NDF: 65.7/48


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3076936.7/20
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 3877274.4/25
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 9159432.3/44
All: 0.000+/-0.000 χ²/NDF: 18722987.8/93
- sign 0.000+/-0.000 χ²/NDF: 9544003.0/48

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2412.543+/-513.113 χ^2/NDF: 17.2/20

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2300.018+/-468.804 χ^2/NDF: 16.2/25

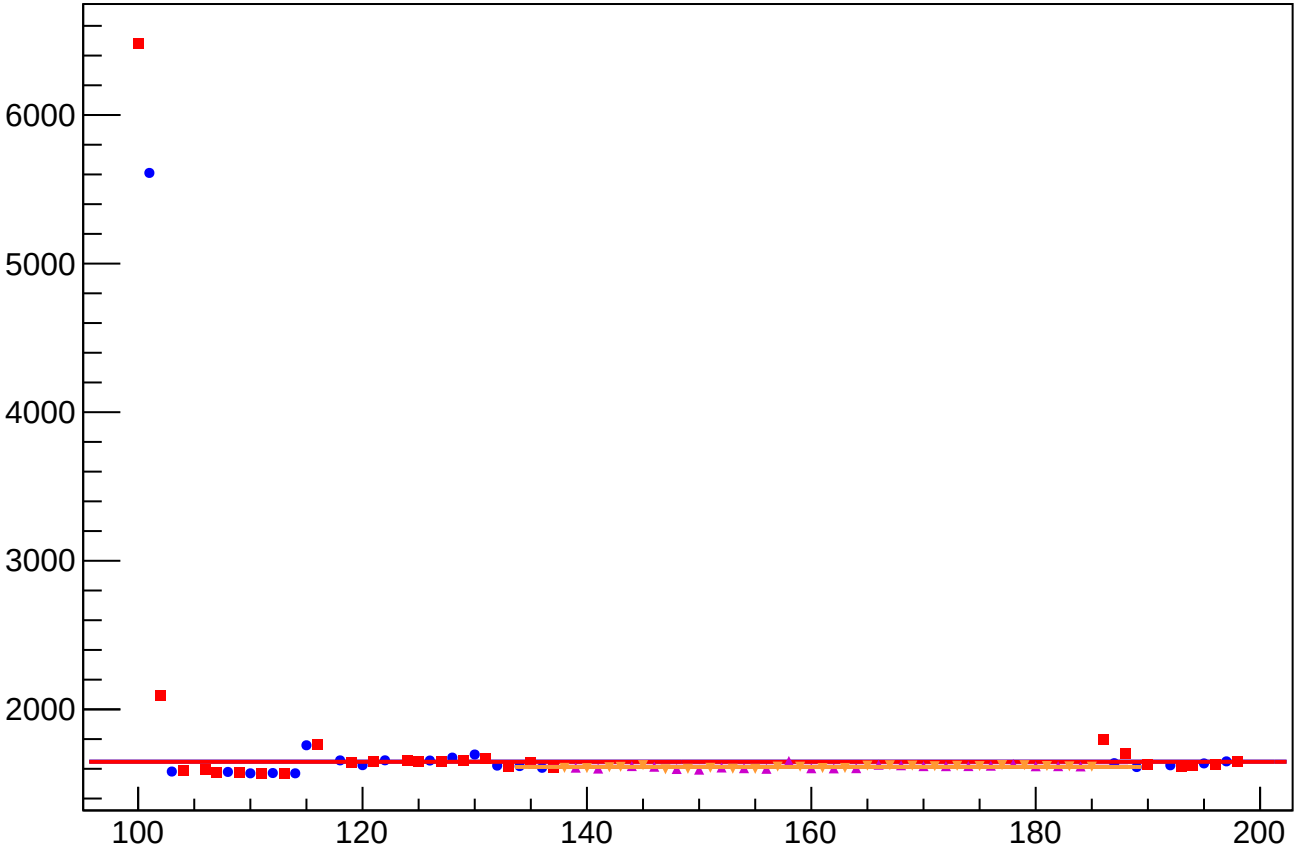
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2351.948+/-298.129 χ^2/NDF: 44.7/45

All: -30.673+/-209.223 χ^2/NDF: 220.5/94

- sign -2342.917+/-293.693 χ^2/NDF: 50.0/48

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.455+/-0.363 χ^2/NDF: 667673.5/20

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1647.139+/-0.331 χ^2/NDF: 145836.3/25

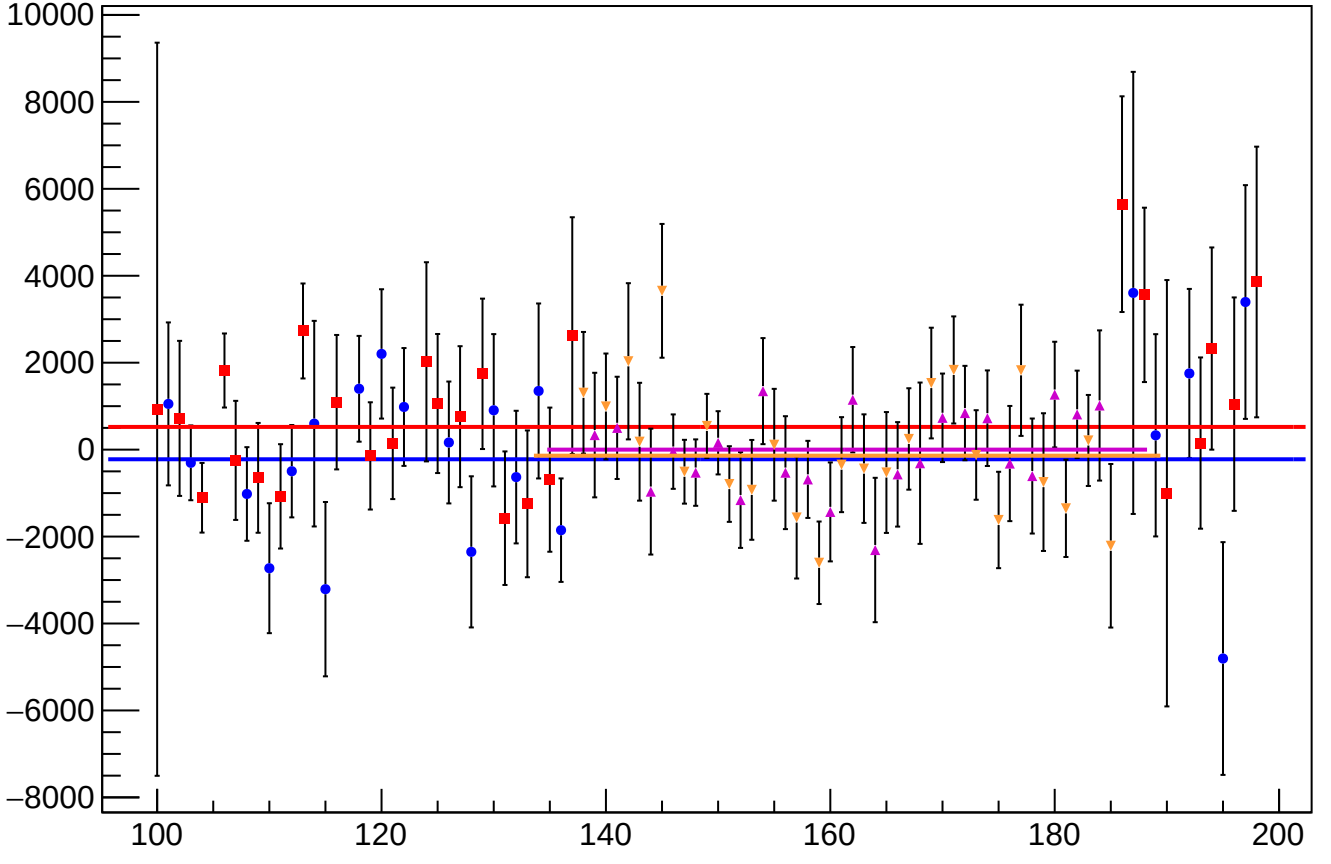
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.709+/-0.211 χ^2/NDF: 675312.3/45

All: 1625.811+/-0.148 χ^2/NDF: 829704.6/94

- sign 1626.880+/-0.208 χ^2/NDF: 154338.5/48

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -221.779+/-328.904 χ^2/NDF: 22.4/20

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 522.450+/-296.524 χ^2/NDF: 27.7/25

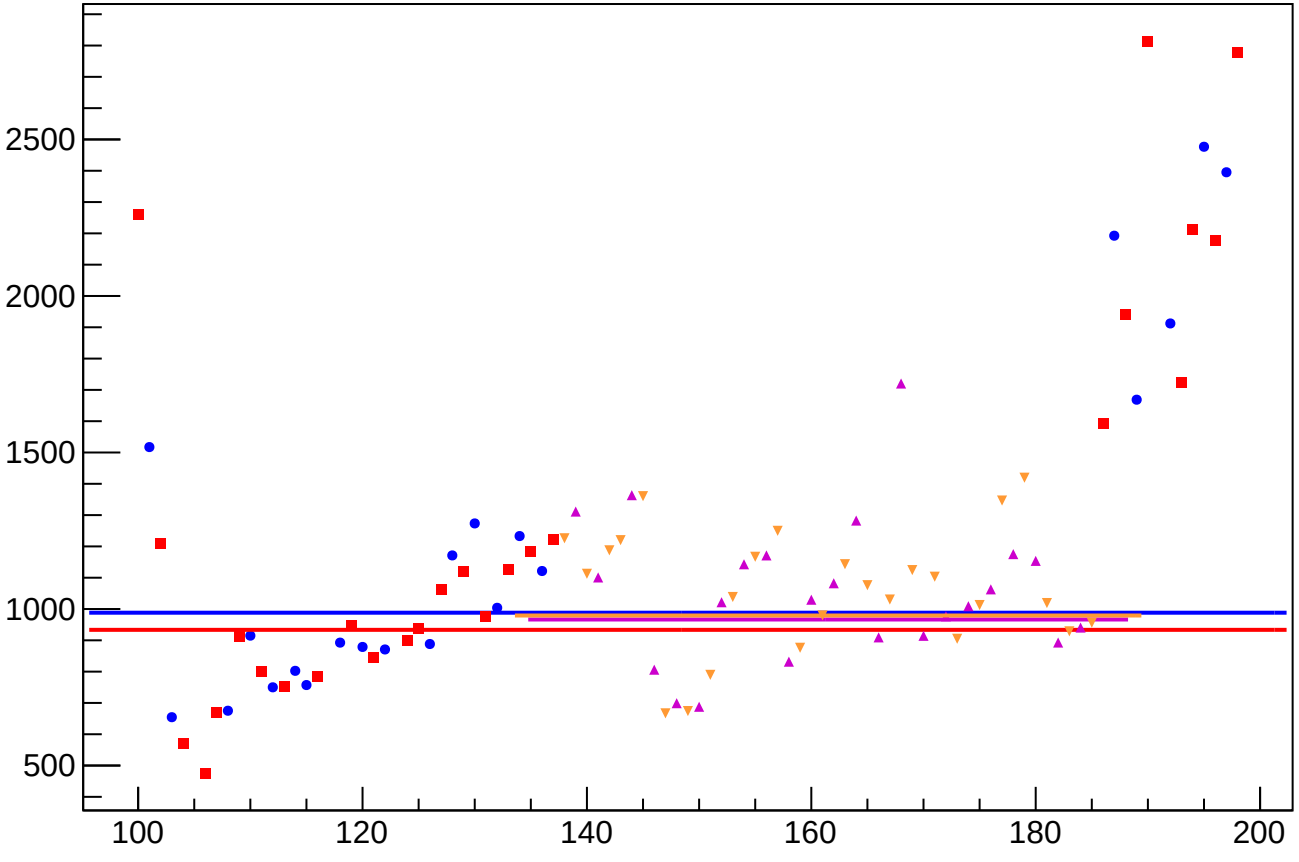
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

\+ sign -166.061+/-188.004 χ^2/NDF: 52.6/45

All: 21.377+/-131.013 χ^2/NDF: 97.0/94

\- sign 198.334+/-182.672 χ^2/NDF: 42.5/48

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 988.229+/-0.233 χ^2/NDF: 2852873.7/20

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 933.479+/-0.210 χ^2/NDF: 4483675.6/25

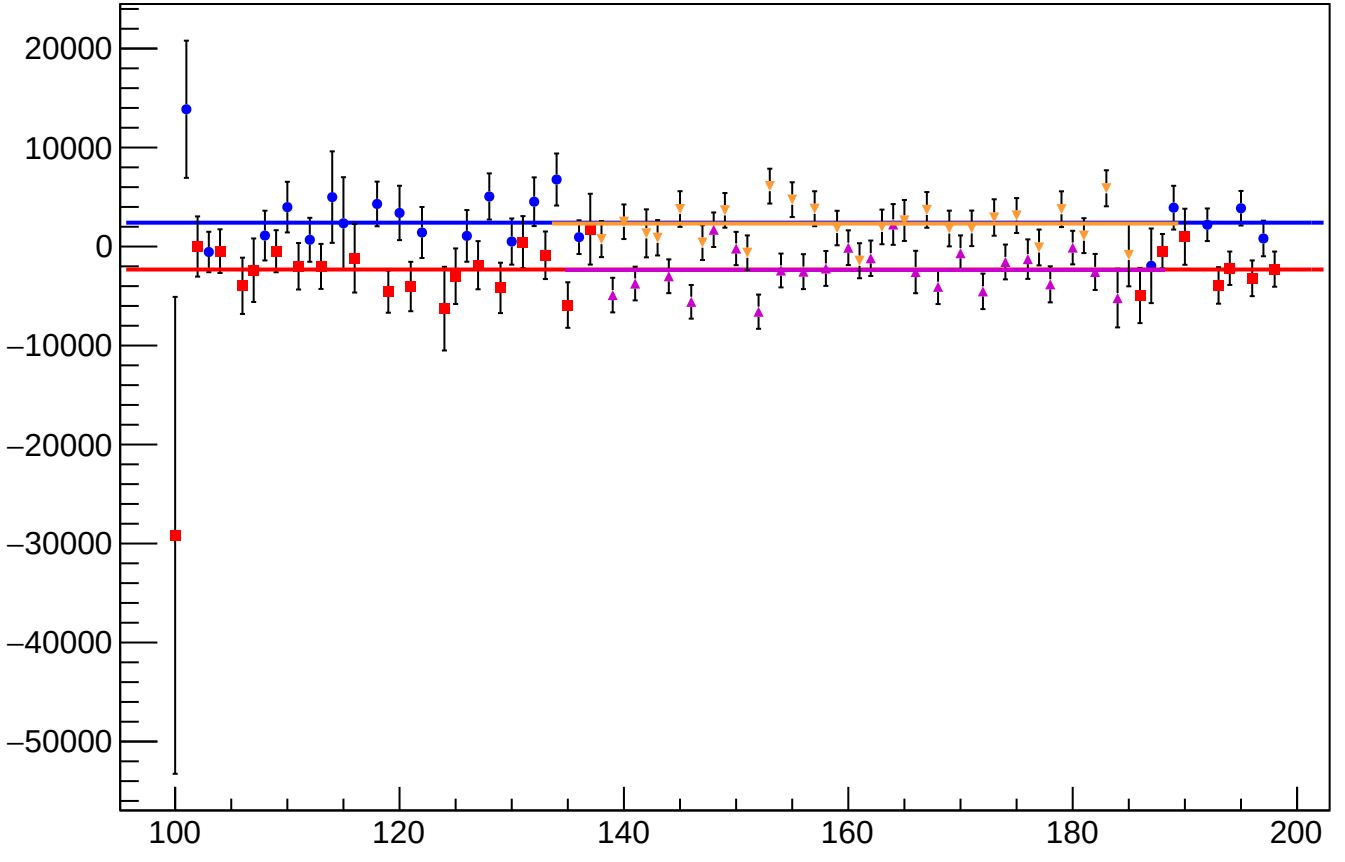
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 982.214+/-0.133 χ^2/NDF: 4484490.5/45

All: 967.693+/-0.093 χ^2/NDF: 10609369.7/94

- sign 953.984+/-0.129 χ^2/NDF: 6101685.1/48

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2412.204+/-513.113 χ^2/NDF: 17.1/20

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2320.100+/-469.032 χ^2/NDF: 16.5/25

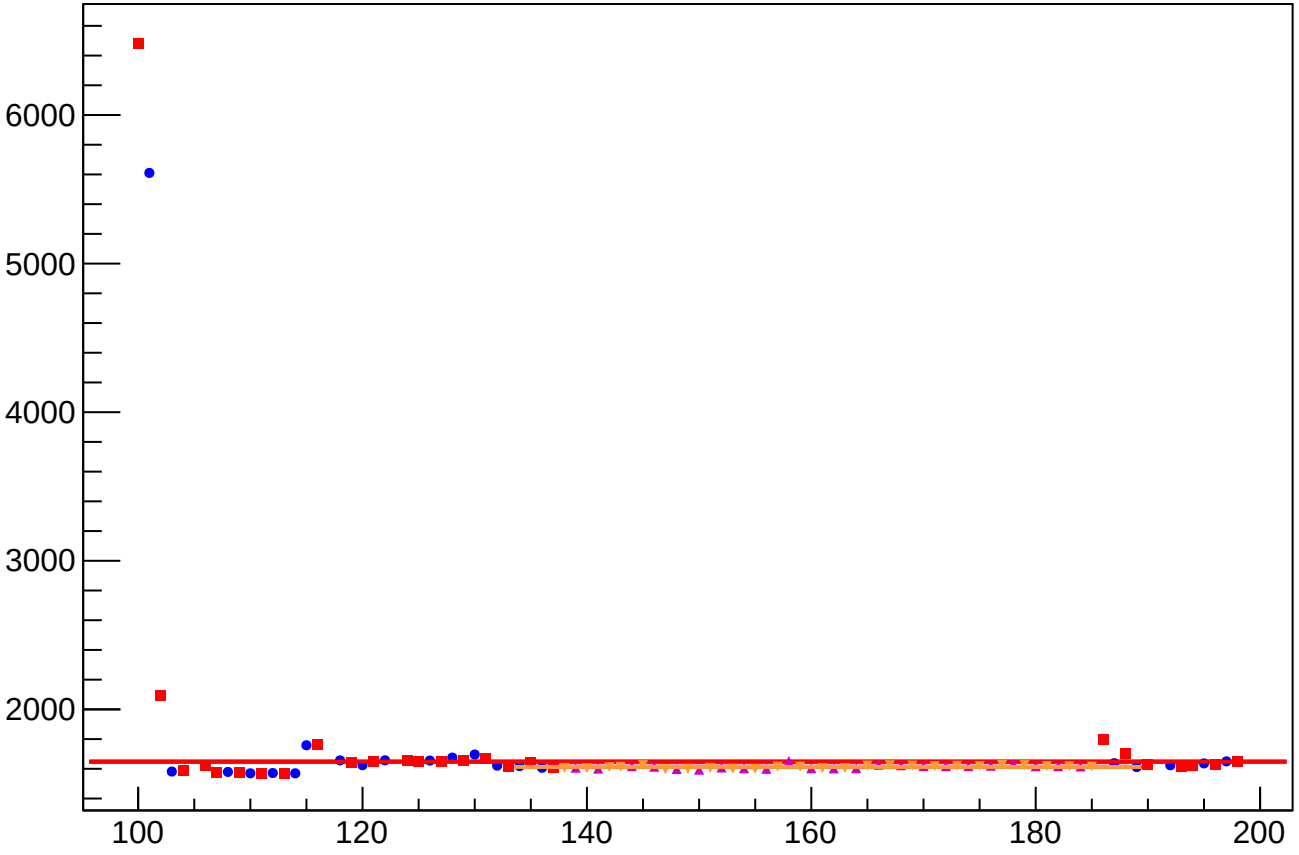
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2351.805+/-298.129 χ^2/NDF: 44.7/45

All: -34.323+/-209.243 χ^2/NDF: 221.1/94

- sign -2350.853+/-293.749 χ^2/NDF: 50.2/48

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.455+/-0.363 χ^2/NDF: 667673.0/20

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1647.914+/-0.332 χ^2/NDF: 145273.1/25

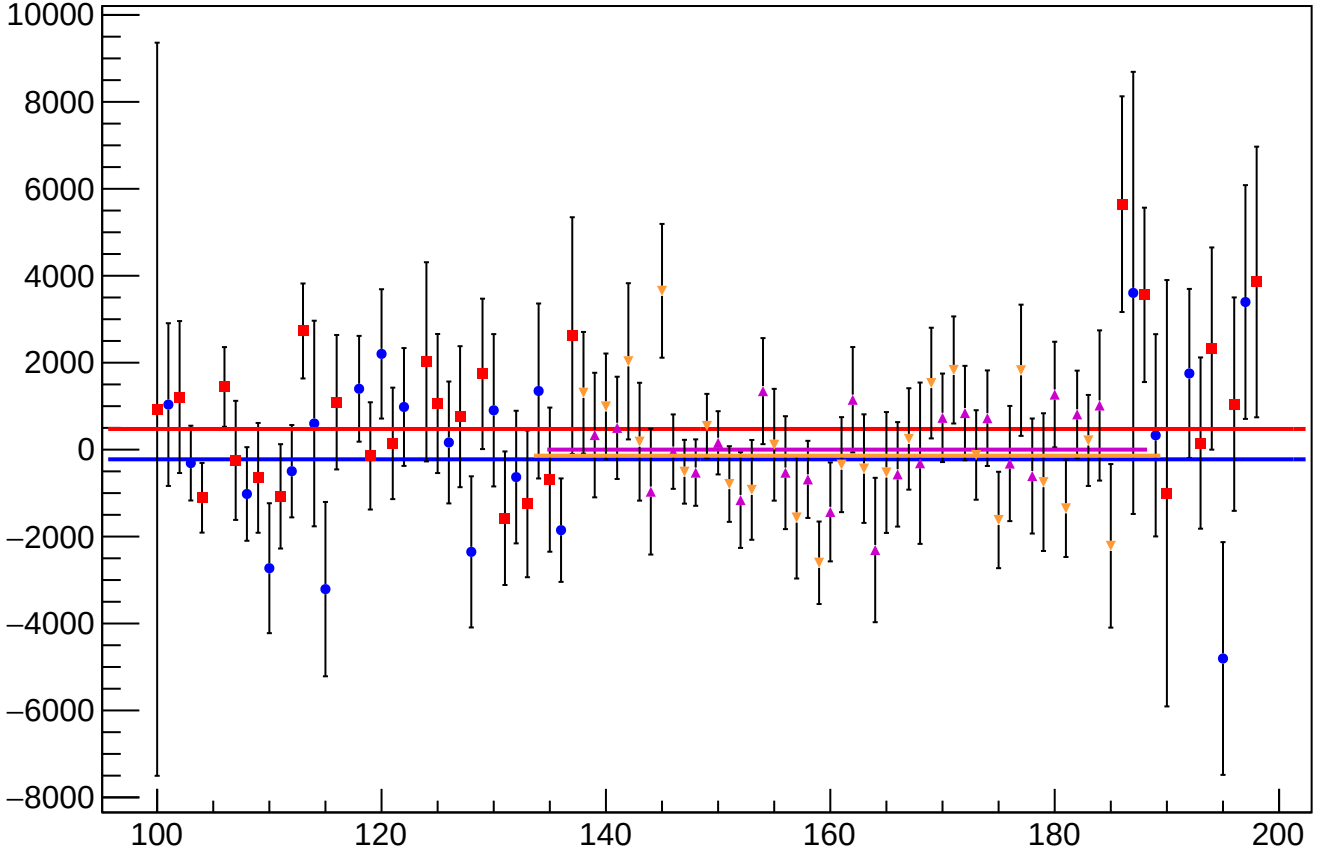
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.709+/-0.211 χ^2/NDF: 675311.8/45

All: 1625.961+/-0.148 χ^2/NDF: 829441.7/94

- sign 1627.176+/-0.208 χ^2/NDF: 154060.4/48

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -223.022+/-328.864 χ^2/NDF: 22.4/20

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 475.319+/-298.878 χ^2/NDF: 26.5/25

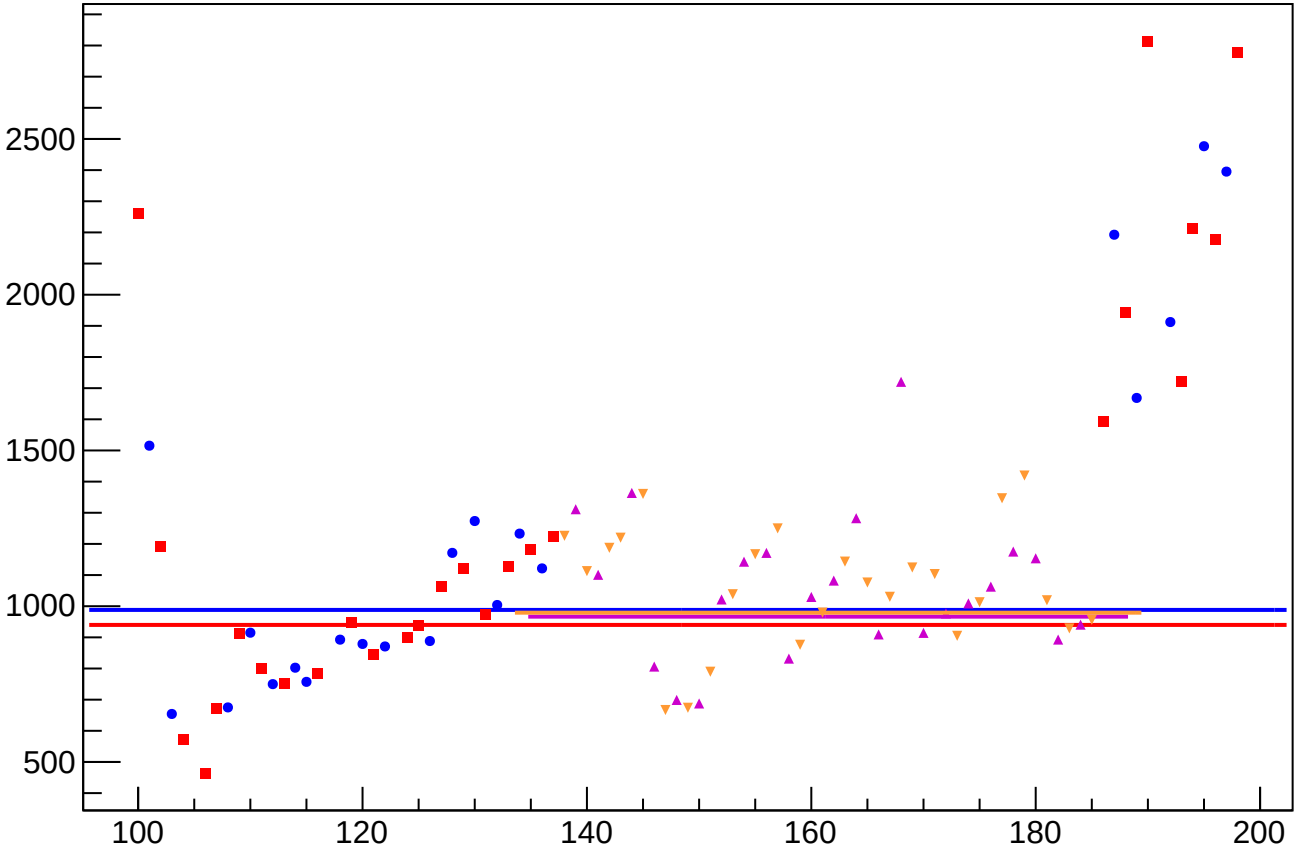
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -166.507+/-187.996 χ^2/NDF: 52.6/45

All: 10.520+/-131.212 χ^2/NDF: 95.2/94

- sign 178.666+/-183.219 χ^2/NDF: 40.9/48

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 988.113+/-0.233 χ^2/NDF: 2853023.9/20

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 939.945+/-0.211 χ^2/NDF: 4421838.8/25

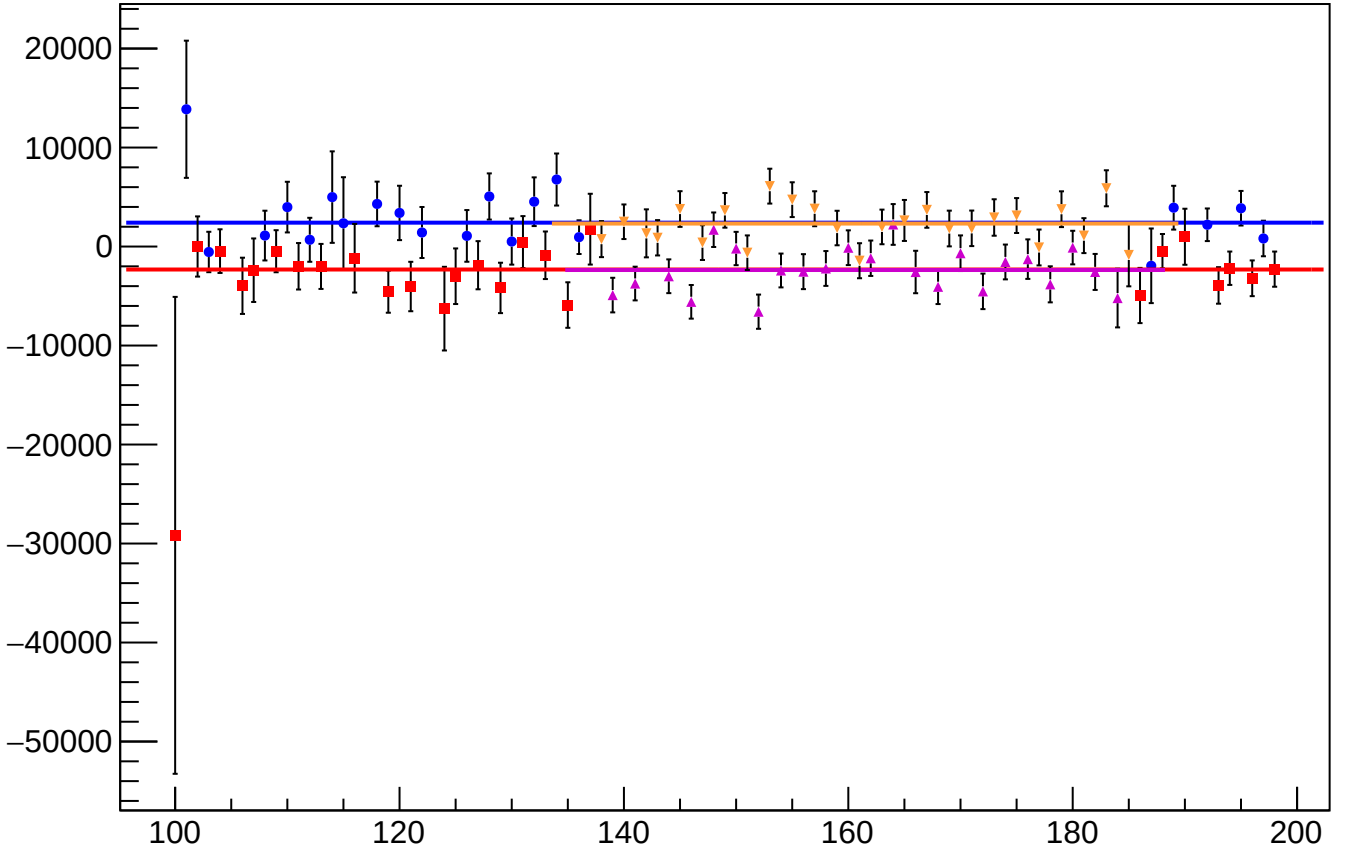
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 982.172+/-0.133 χ^2/NDF: 4484724.7/45

All: 969.027+/-0.093 χ^2/NDF: 10538071.5/94

- sign 956.540+/-0.130 χ^2/NDF: 6034279.2/48

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2412.204+/-513.113 χ^2/NDF: 17.1/20

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2320.100+/-469.032 χ^2/NDF: 16.5/25

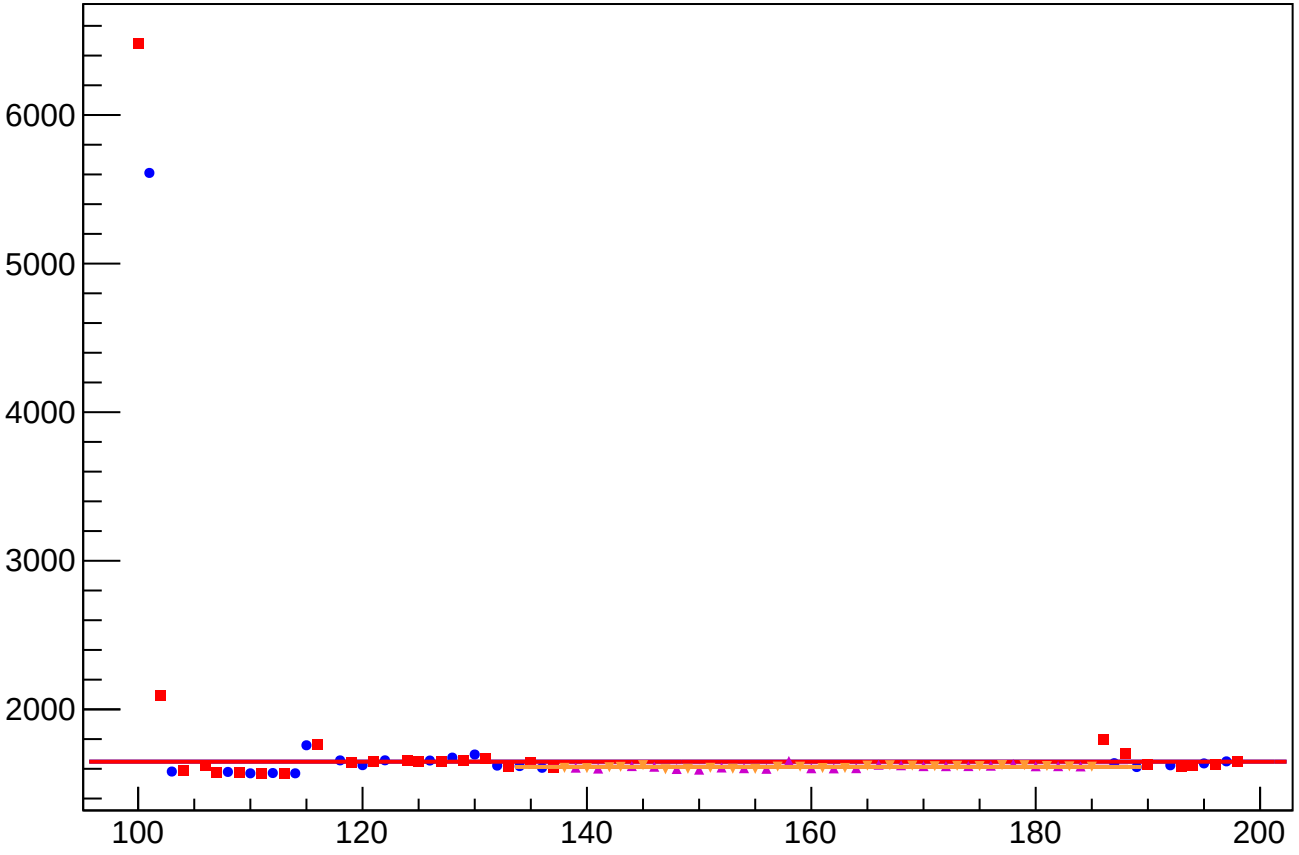
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2351.805+/-298.129 χ^2/NDF: 44.7/45

All: -34.323+/-209.243 χ^2/NDF: 221.1/94

- sign -2350.853+/-293.749 χ^2/NDF: 50.2/48

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.455+/-0.363 χ^2/NDF: 667673.0/20

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

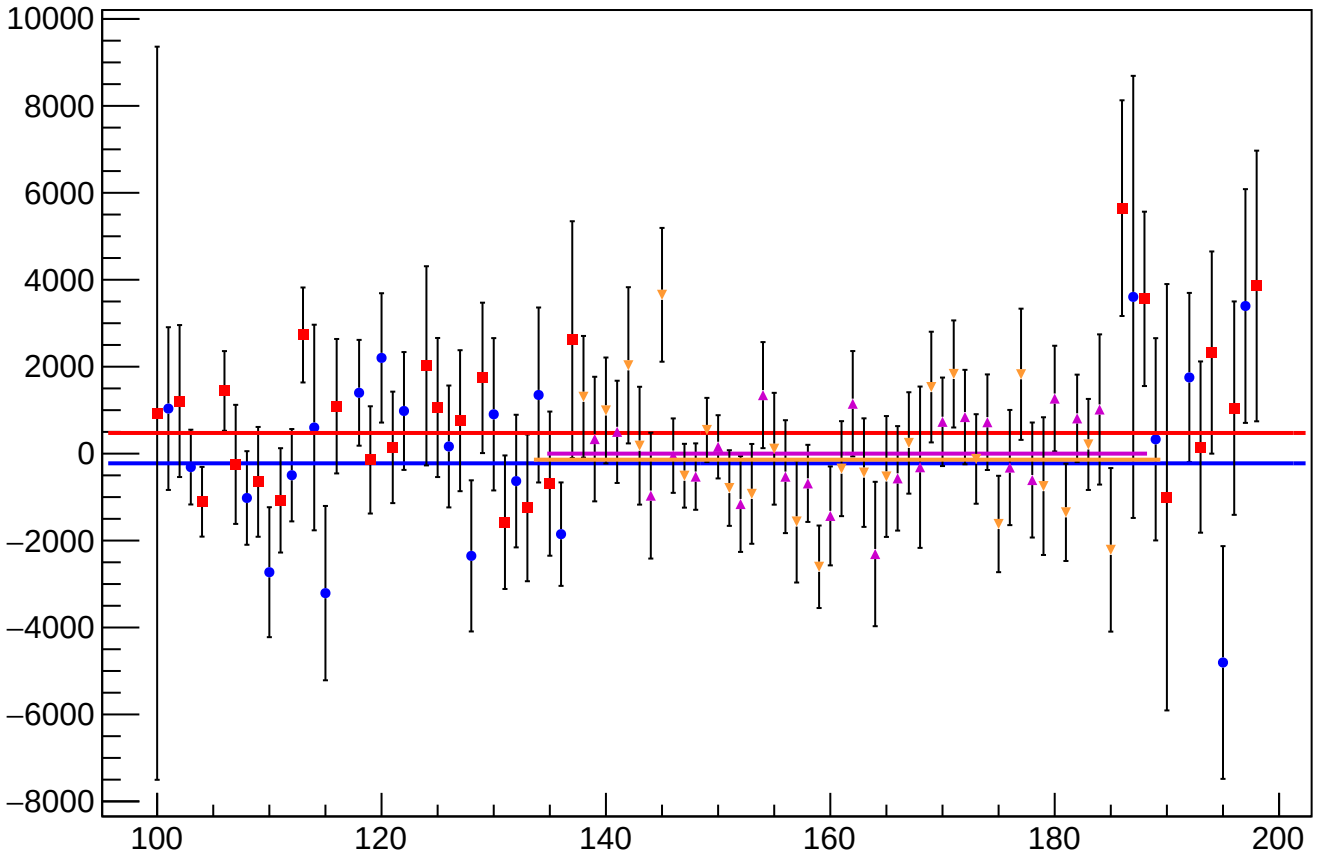
Right Out: 1647.914+/-0.332 χ^2/NDF: 145273.1/25

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.709+/-0.211 χ^2/NDF: 675311.8/45

All: 1625.961+/-0.148 χ^2/NDF: 829441.7/94

- sign 1627.176+/-0.208 χ^2/NDF: 154060.4/48



Right In: -223.022+/-328.864 χ^2/NDF: 22.4/20

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 475.319+/-298.878 χ^2/NDF: 26.5/25

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -166.507+/-187.996 χ^2/NDF: 52.6/45

All: 10.520+/-131.212 χ^2/NDF: 95.2/94

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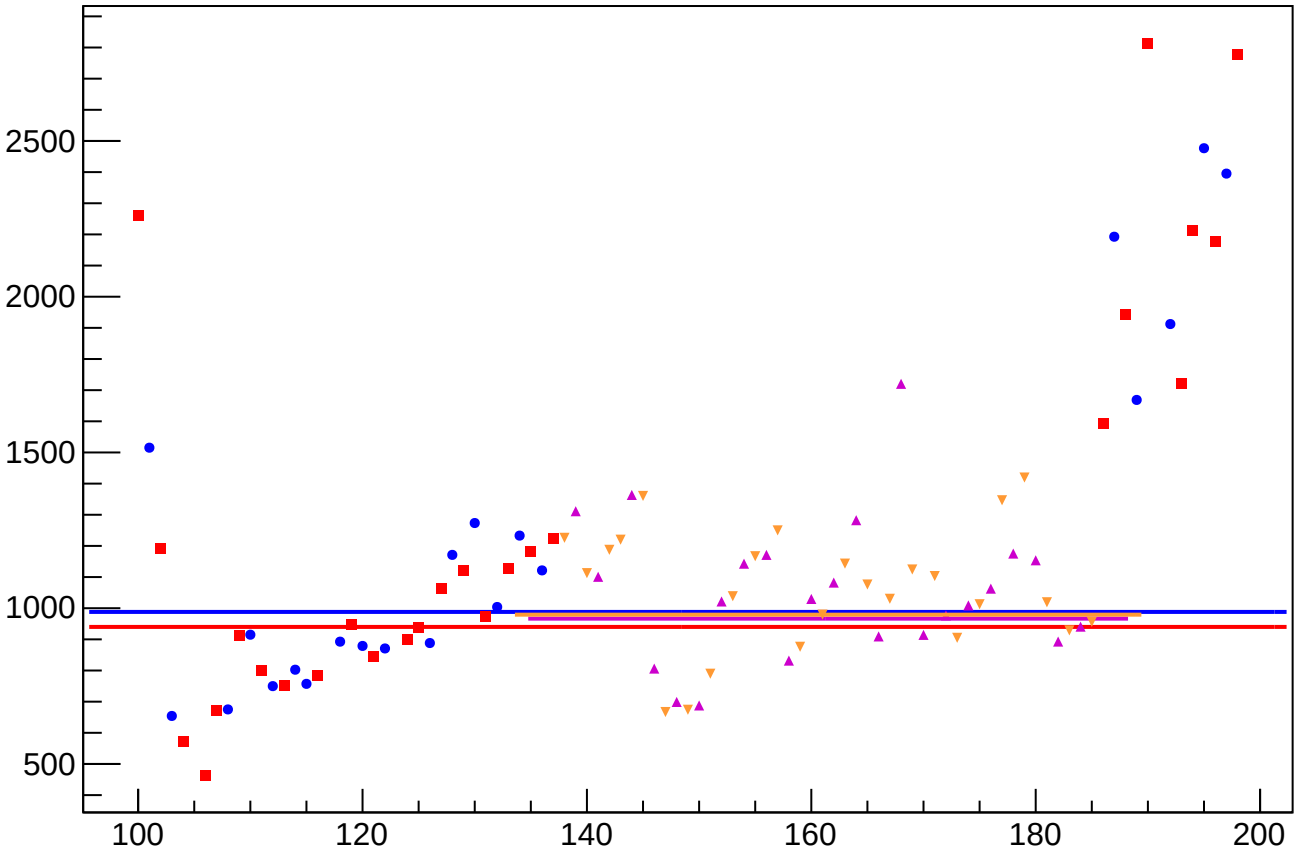


Right In: 988.113+/-0.233 χ^2/NDF: 2853023.9/20

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 939.945+/-0.211 χ^2/NDF: 4421838.8/25

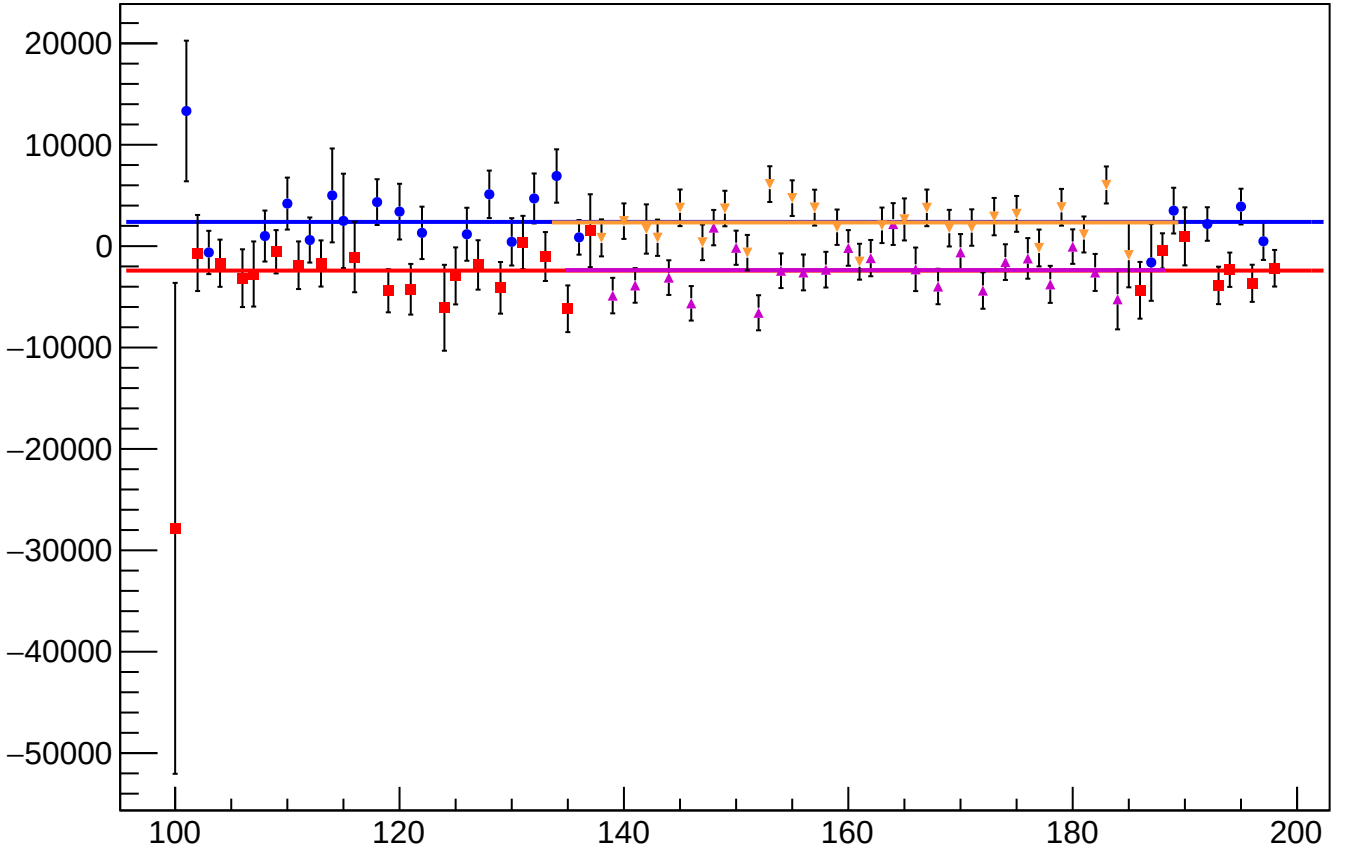
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 982.172+/-0.133 χ^2/NDF: 4484724.7/45

All: 969.027+/-0.093 χ^2/NDF: 10538071.5/94

- sign 956.540+/-0.130 χ^2/NDF: 6034279.2/48

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2390.297+/-517.228 χ^2/NDF: 17.4/20

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2410.596+/-474.075 χ^2/NDF: 14.8/25

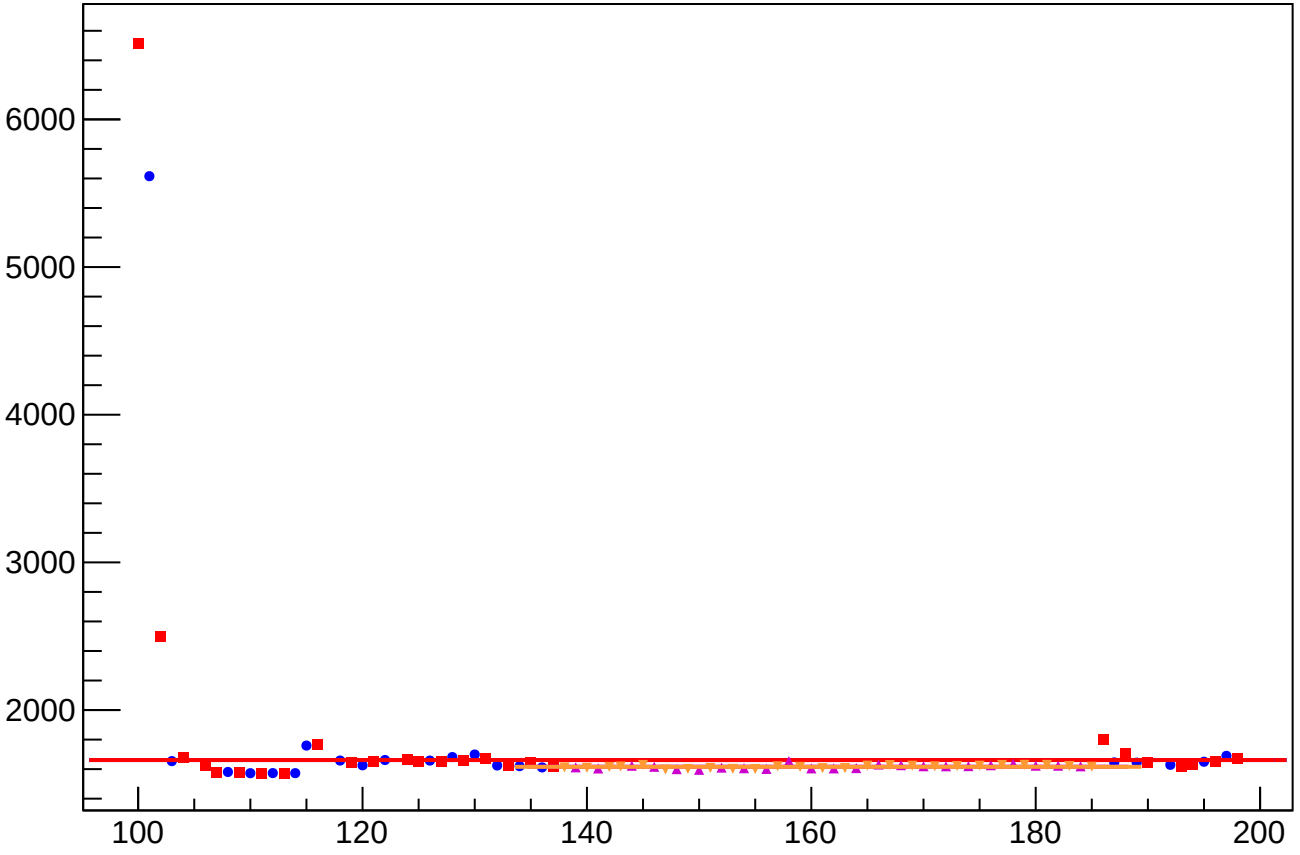
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2353.410+/-299.304 χ^2/NDF: 45.7/45

All: -45.355+/-210.197 χ^2/NDF: 221.2/94

- sign -2379.803+/-295.264 χ^2/NDF: 48.8/48

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1661.591+/-0.366 χ^2/NDF: 664531.3/20

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1661.466+/-0.335 χ^2/NDF: 201550.7/25

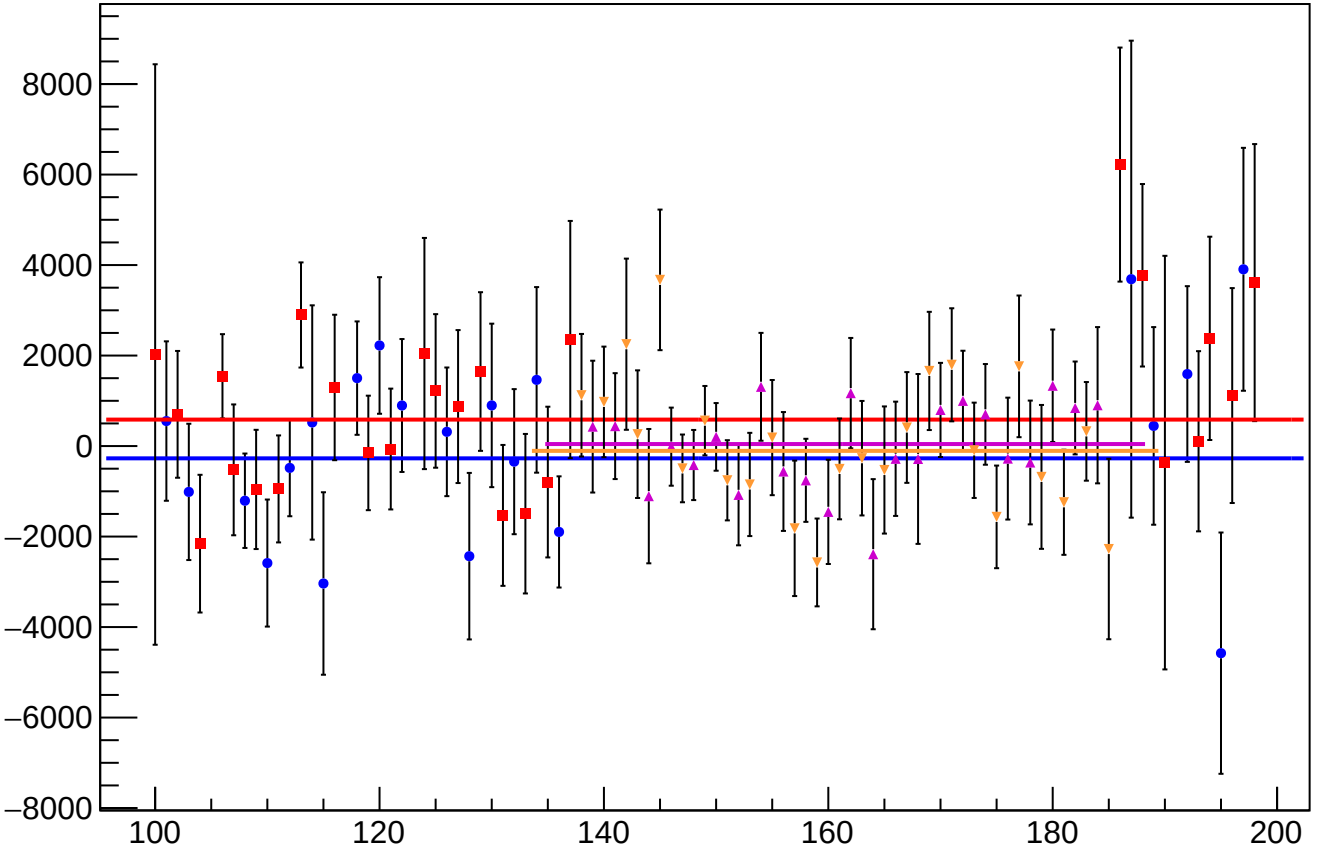
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1631.022+/-0.212 χ^2/NDF: 676481.0/45

All: 1632.459+/-0.149 χ^2/NDF: 891762.1/94

- sign 1633.857+/-0.209 χ^2/NDF: 215190.2/48

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -271.519+/-349.708 χ^2/NDF: 22.4/20

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 584.851+/-319.489 χ^2/NDF: 27.0/25

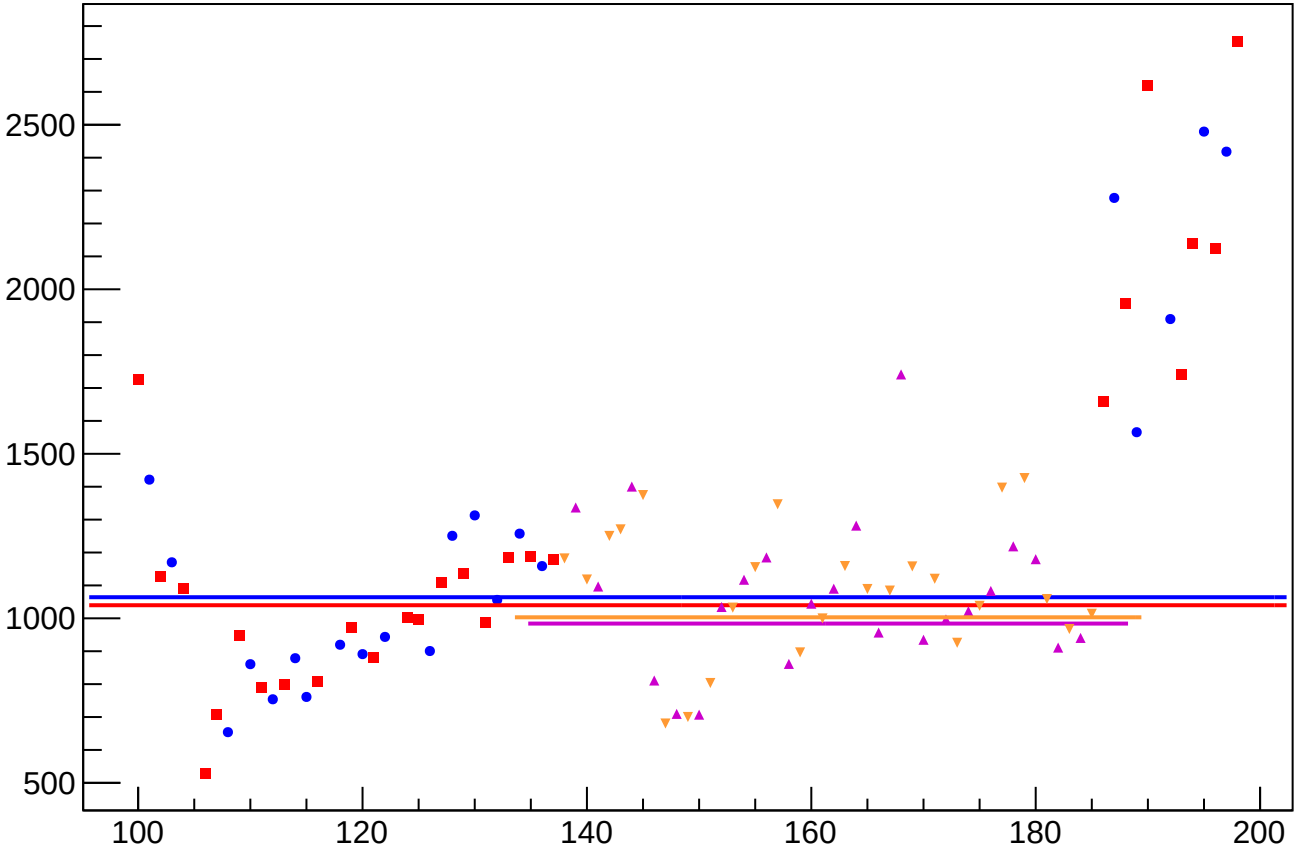
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -157.515+/-194.654 χ^2/NDF: 51.6/45

All: 43.791+/-135.851 χ^2/NDF: 95.3/94

- sign 234.956+/-189.687 χ^2/NDF: 41.6/48

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1064.153+/-0.247 χ^2/NDF: 2511472.3/20

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1039.800+/-0.226 χ^2/NDF: 3590135.9/25

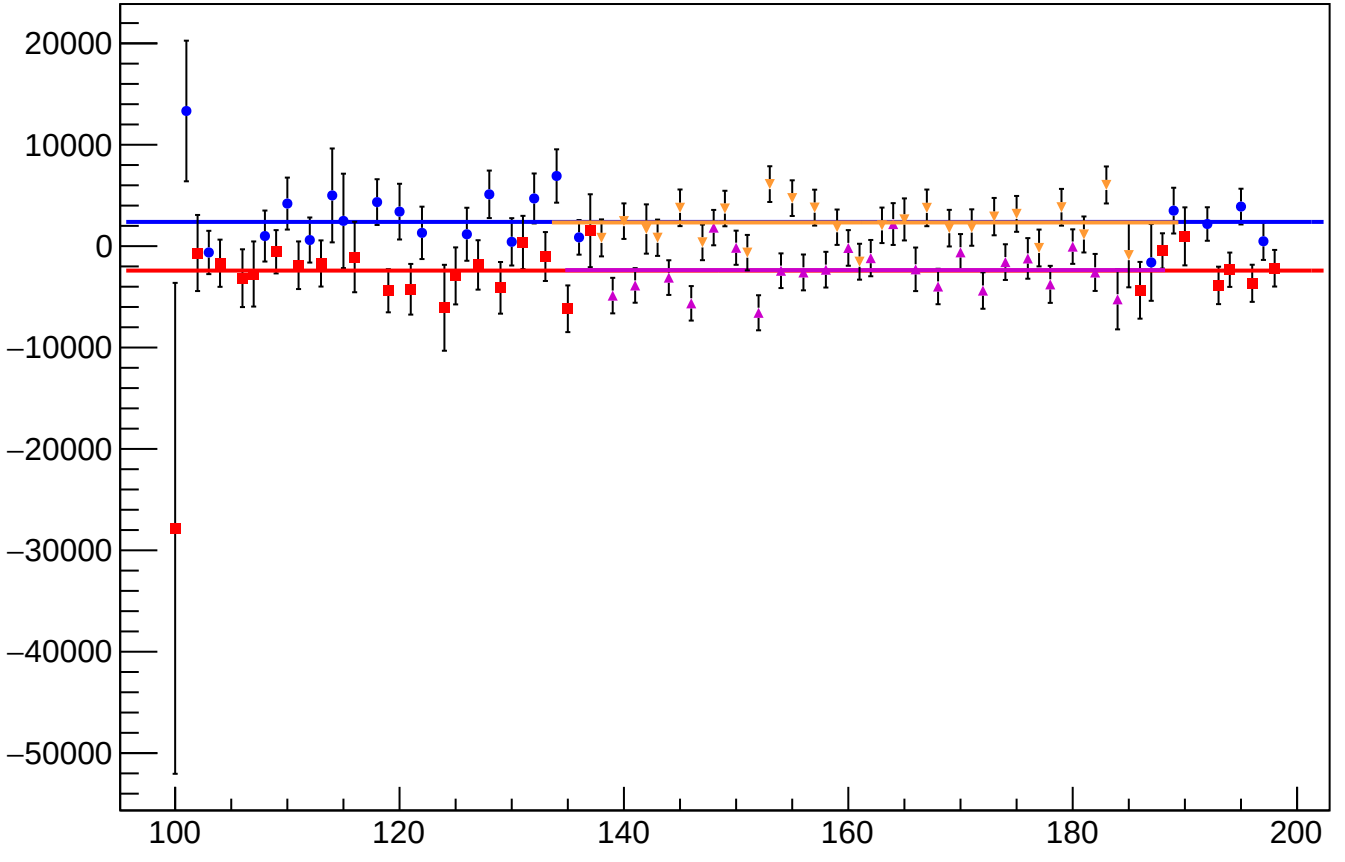
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1022.016+/-0.138 χ^2/NDF: 4151958.2/45

All: 1012.624+/-0.096 χ^2/NDF: 9350160.6/94

- sign 1003.704+/-0.134 χ^2/NDF: 5189123.6/48

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2390.296+/-517.228 χ^2/NDF: 17.4/20

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2410.594+/-474.075 χ^2/NDF: 14.8/25

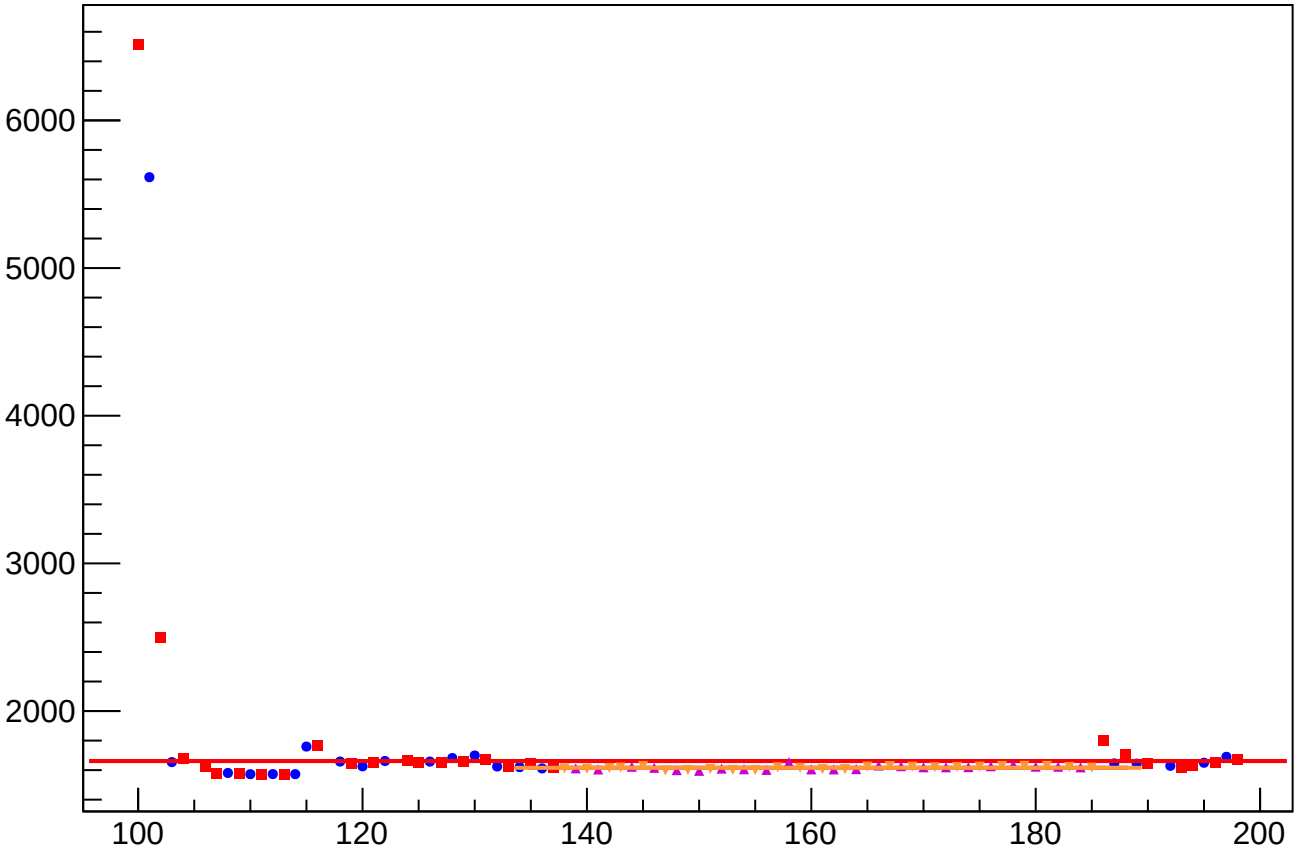
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2353.409+/-299.304 χ^2/NDF: 45.7/45

All: -45.355+/-210.197 χ^2/NDF: 221.2/94

- sign -2379.803+/-295.264 χ^2/NDF: 48.8/48

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1661.590+/-0.366 χ^2/NDF: 664531.3/20

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

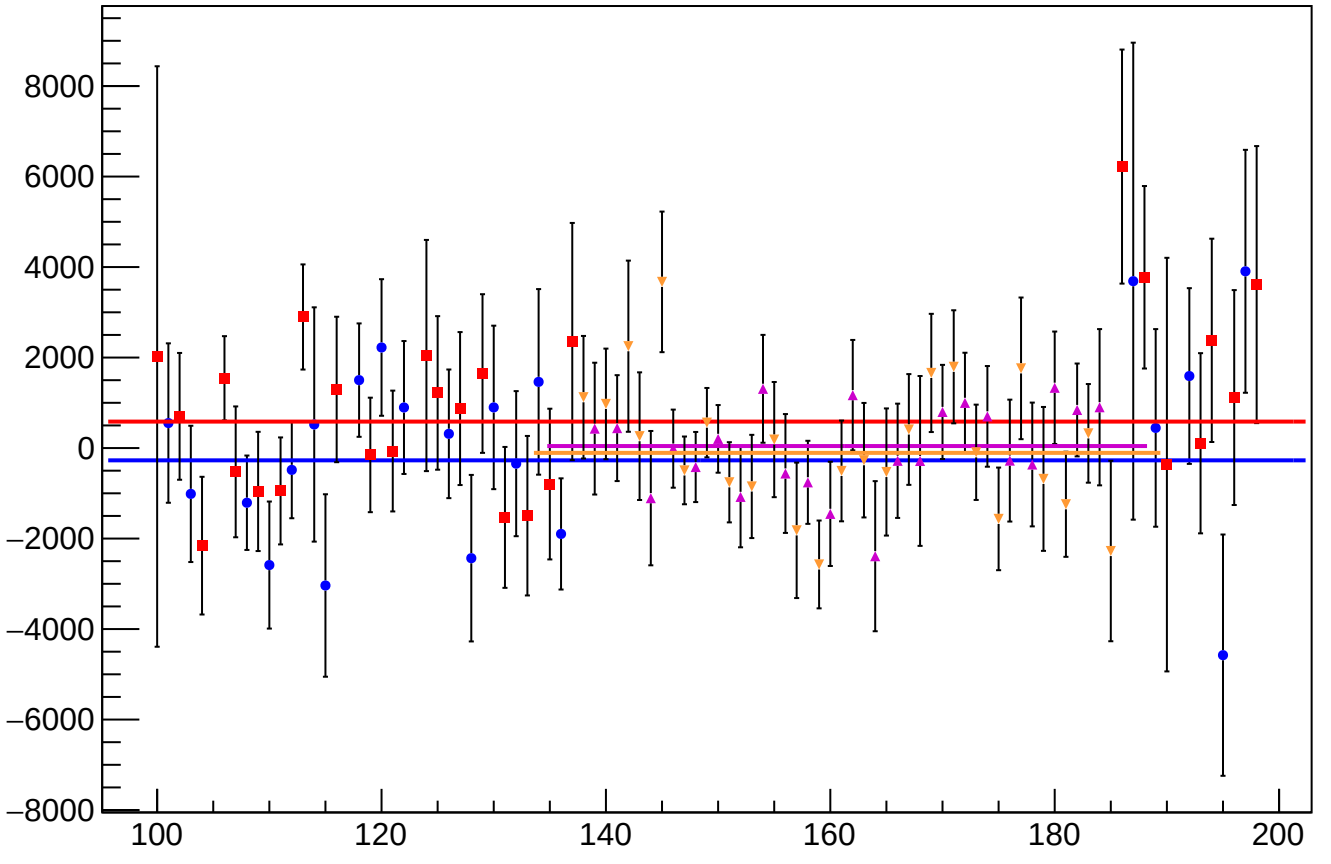
Right Out: 1661.466+/-0.335 χ^2/NDF: 201550.5/25

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1631.022+/-0.212 χ^2/NDF: 676480.9/45

All: 1632.459+/-0.149 χ^2/NDF: 891761.9/94

- sign 1633.857+/-0.209 χ^2/NDF: 215190.0/48



Right In: -271.519+/-349.707 χ^2/NDF: 22.4/20

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

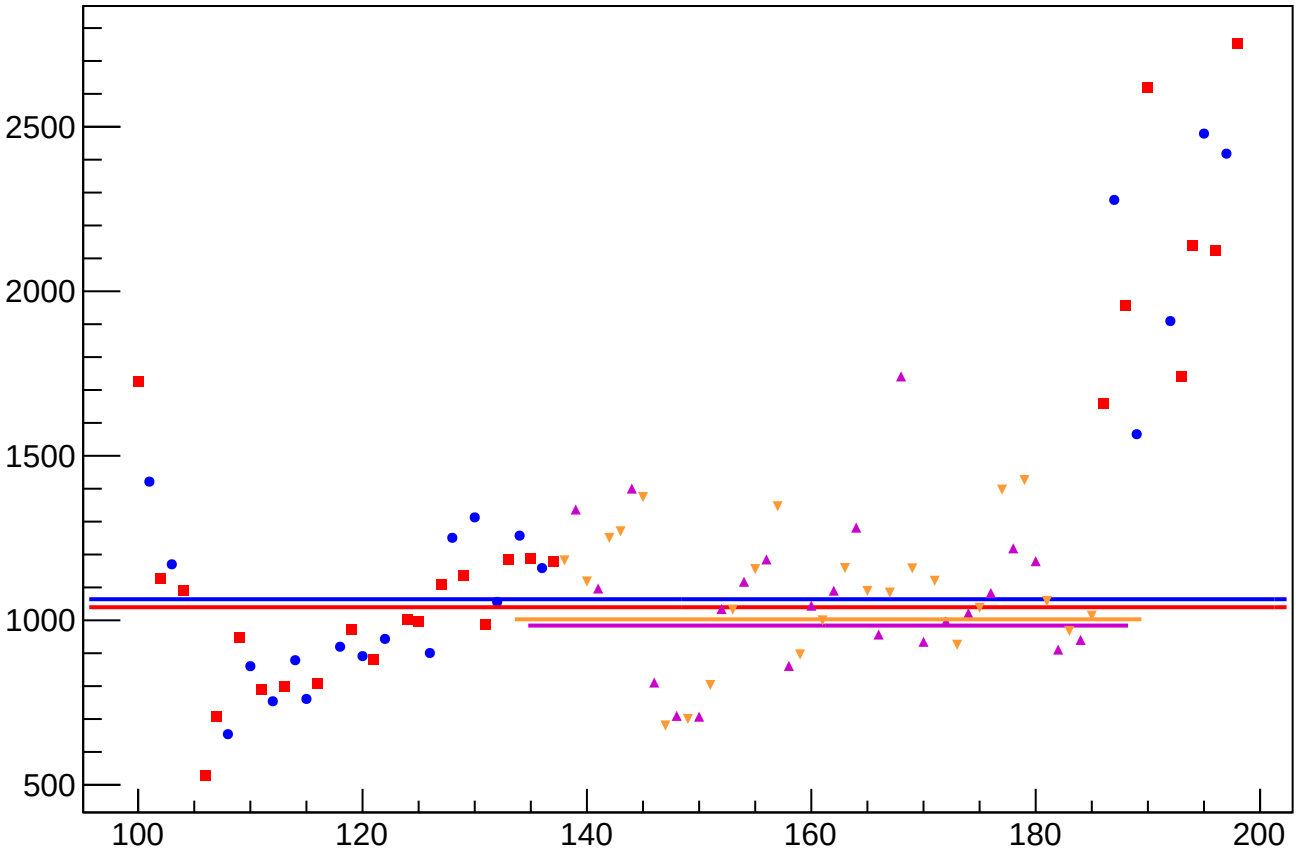
Right Out: 584.849+/-319.488 χ^2/NDF: 27.0/25

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -157.516+/-194.654 χ^2/NDF: 51.6/45

All: 43.790+/-135.851 χ^2/NDF: 95.3/94

- sign 234.956+/-189.688 χ^2/NDF: 41.6/48



Right In: 1064.149+/-0.247 χ^2/NDF: 2511496.1/20

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1039.797+/-0.226 χ^2/NDF: 3590153.2/25

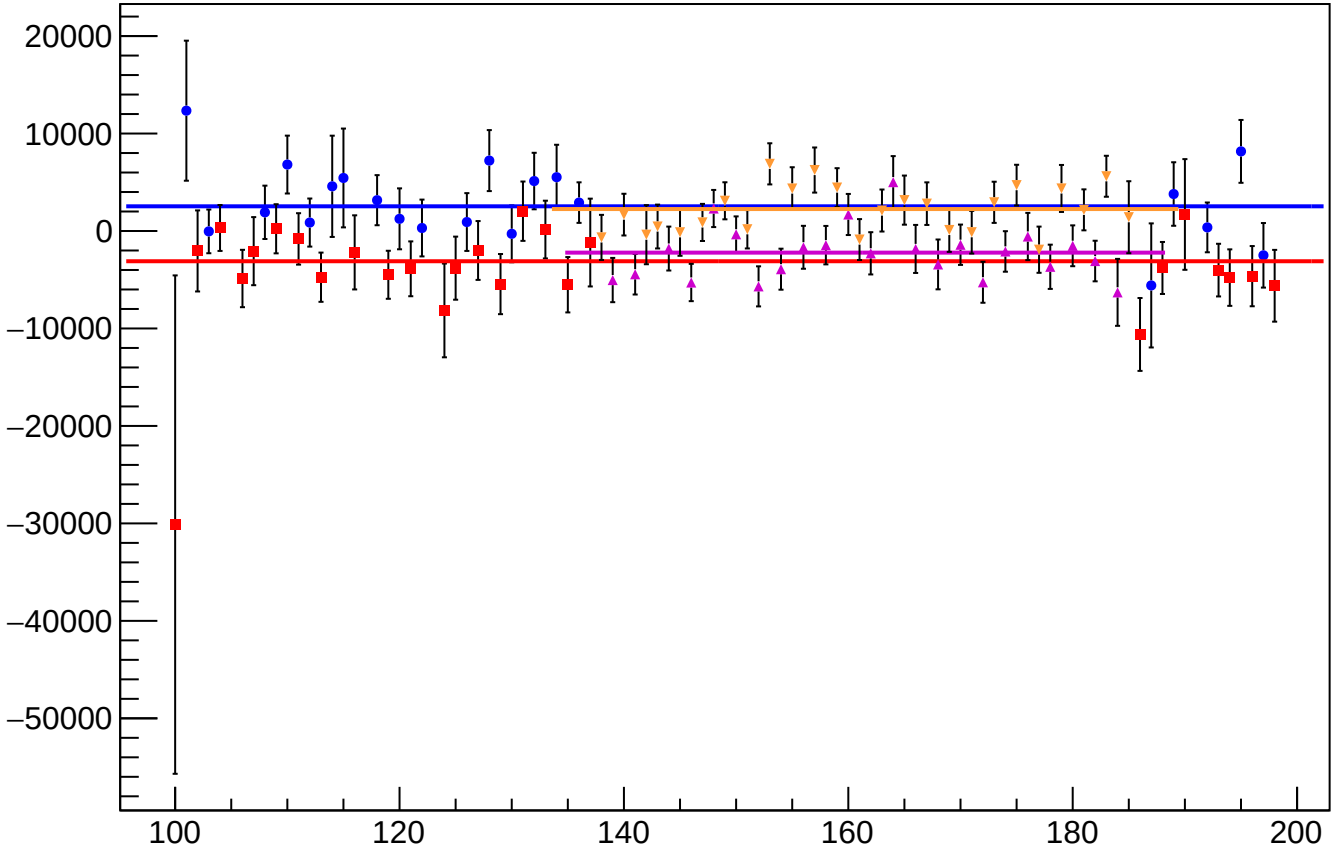
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

\+ sign 1022.017+/-0.138 χ^2/NDF: 4151975.5/45

All: 1012.624+/-0.096 χ^2/NDF: 9350190.4/94

\- sign 1003.705+/-0.134 χ^2/NDF: 5189136.2/48

asym_usr_atr1_avg_mean vs Slug



Right In: 2533.292+/-657.924 χ^2/NDF: 20.0/20

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3102.580+/-610.689 χ^2/NDF: 19.9/25

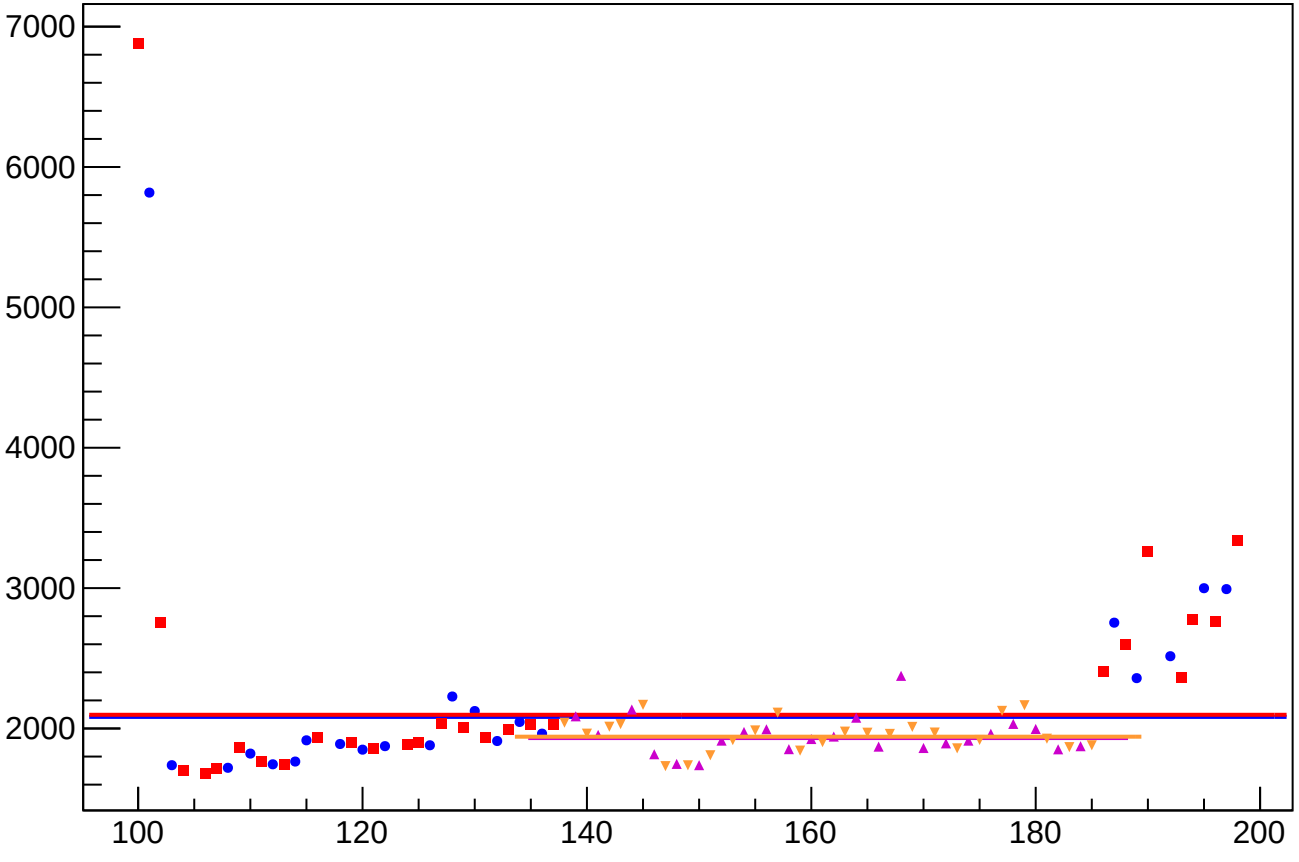
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2339.795+/-367.015 χ^2/NDF: 48.5/45

All: -119.931+/-258.252 χ^2/NDF: 190.2/94

- sign -2532.240+/-363.460 χ^2/NDF: 52.8/48

asym_usr_atr1_avg_rms vs Slug



Right In: 2082.581+/-0.465 χ^2/NDF: 1152758.3/20

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

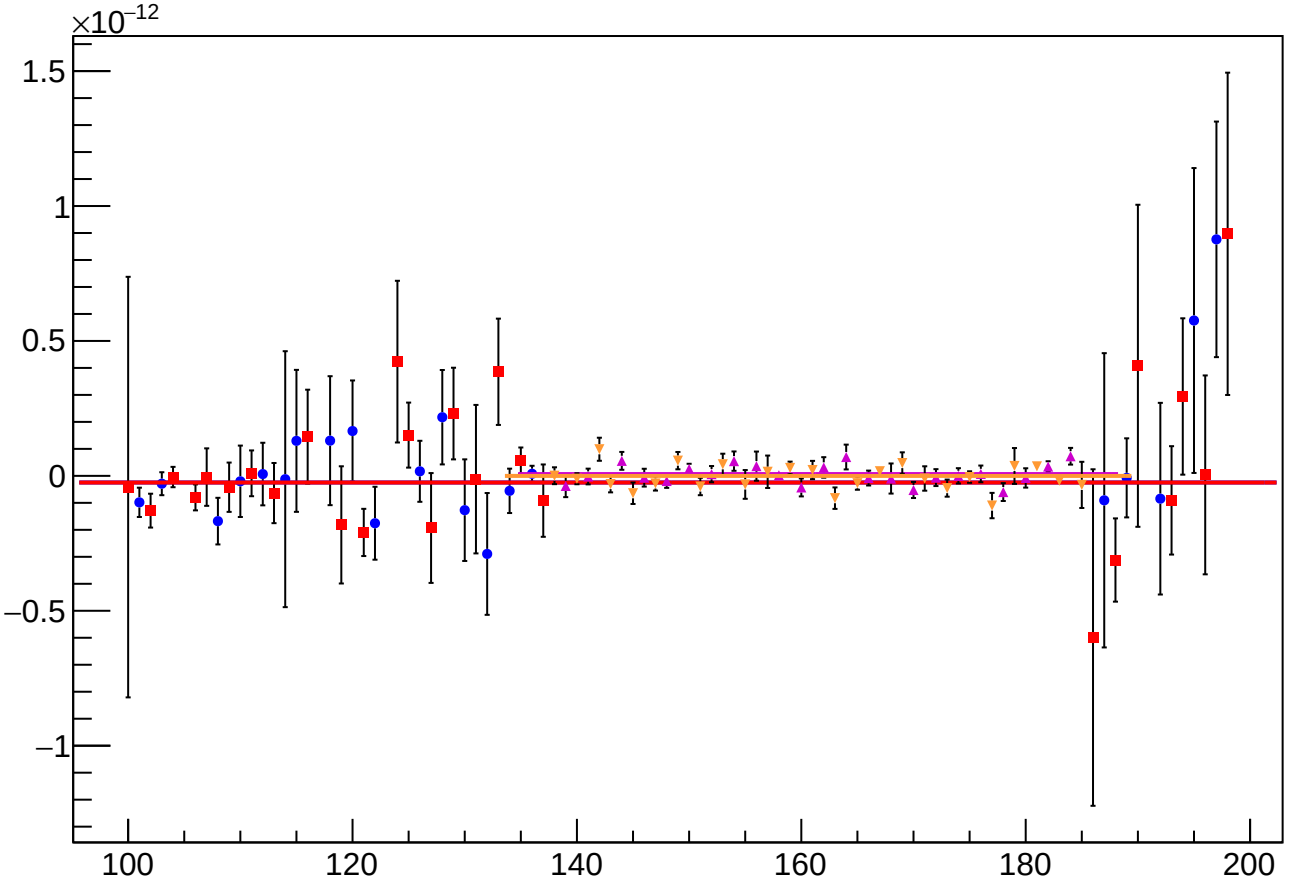
Right Out: 2097.638+/-0.432 χ^2/NDF: 1004582.0/25

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1985.459+/-0.260 χ^2/NDF: 1355041.7/45

All: 1988.030+/-0.183 χ^2/NDF: 2614926.5/94

- sign 1990.551+/-0.257 χ^2/NDF: 1259690.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

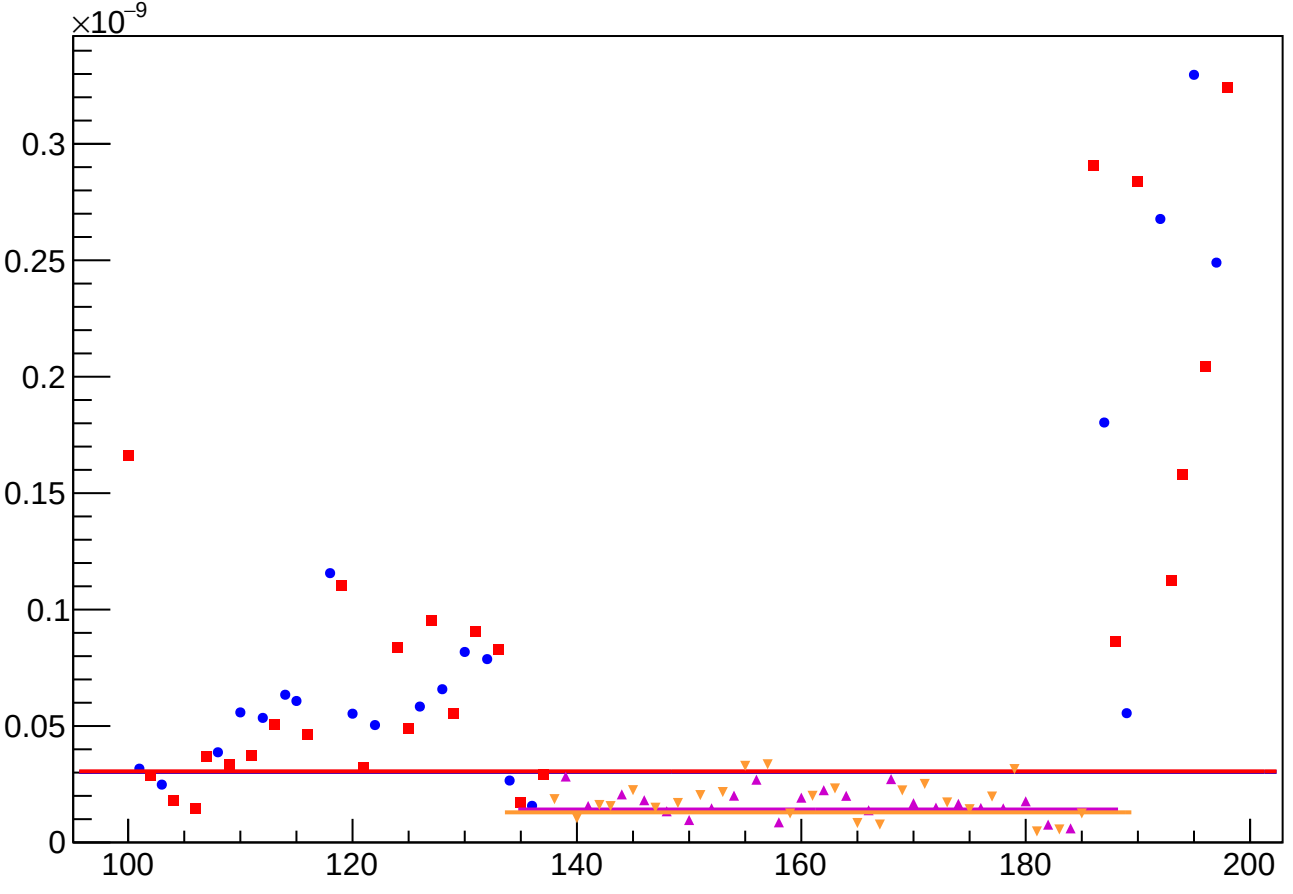
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/25

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.1/45

All: 0.000+/-0.000 χ^2/NDF: 124.5/94

- sign 0.000+/-0.000 χ^2/NDF: 63.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 3682794.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4241501.3/25

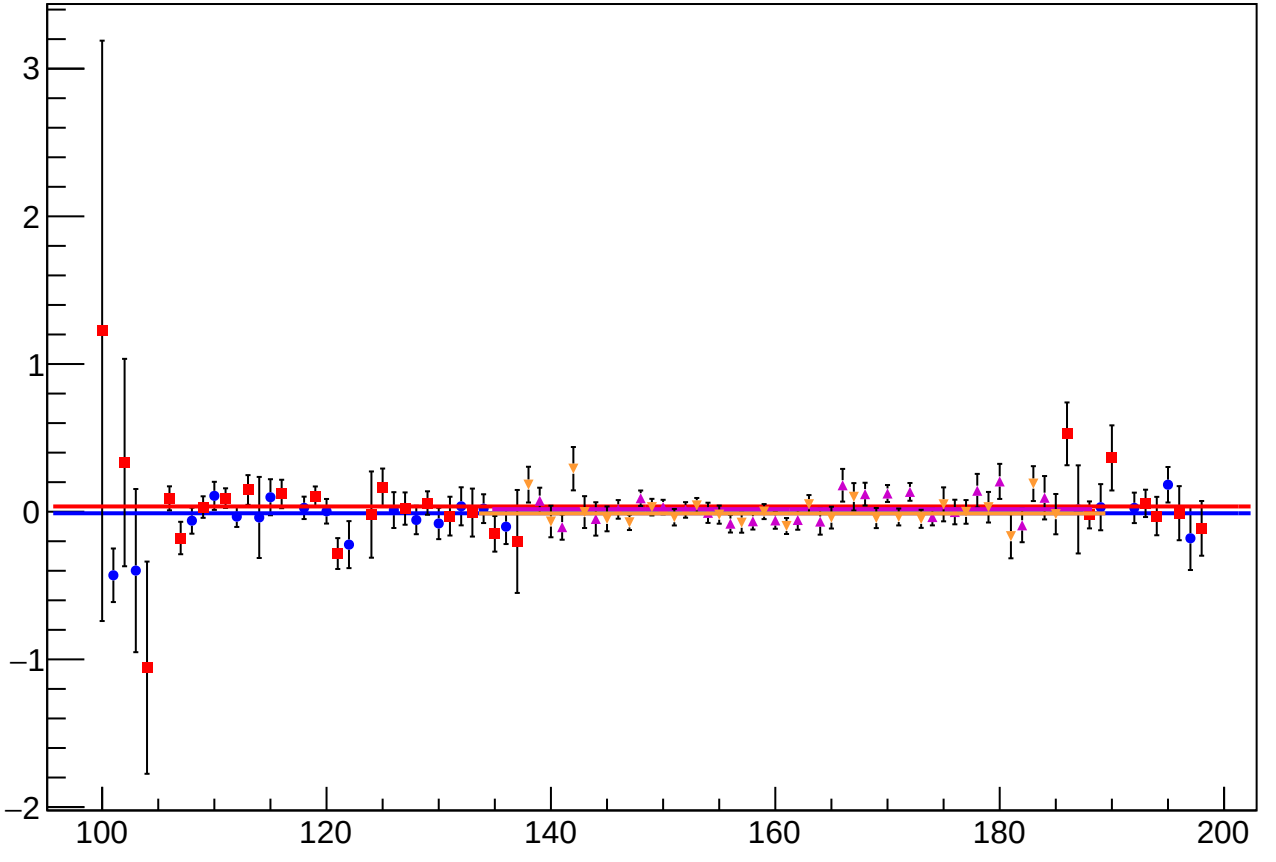
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8048601.8/45

All: 0.000+/-0.000 χ^2/NDF: 15211099.7/94

- sign 0.000+/-0.000 χ^2/NDF: 7108245.2/48

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.025 χ^2/NDF: 15.6/20

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.036+/-0.022 χ^2/NDF: 33.4/25

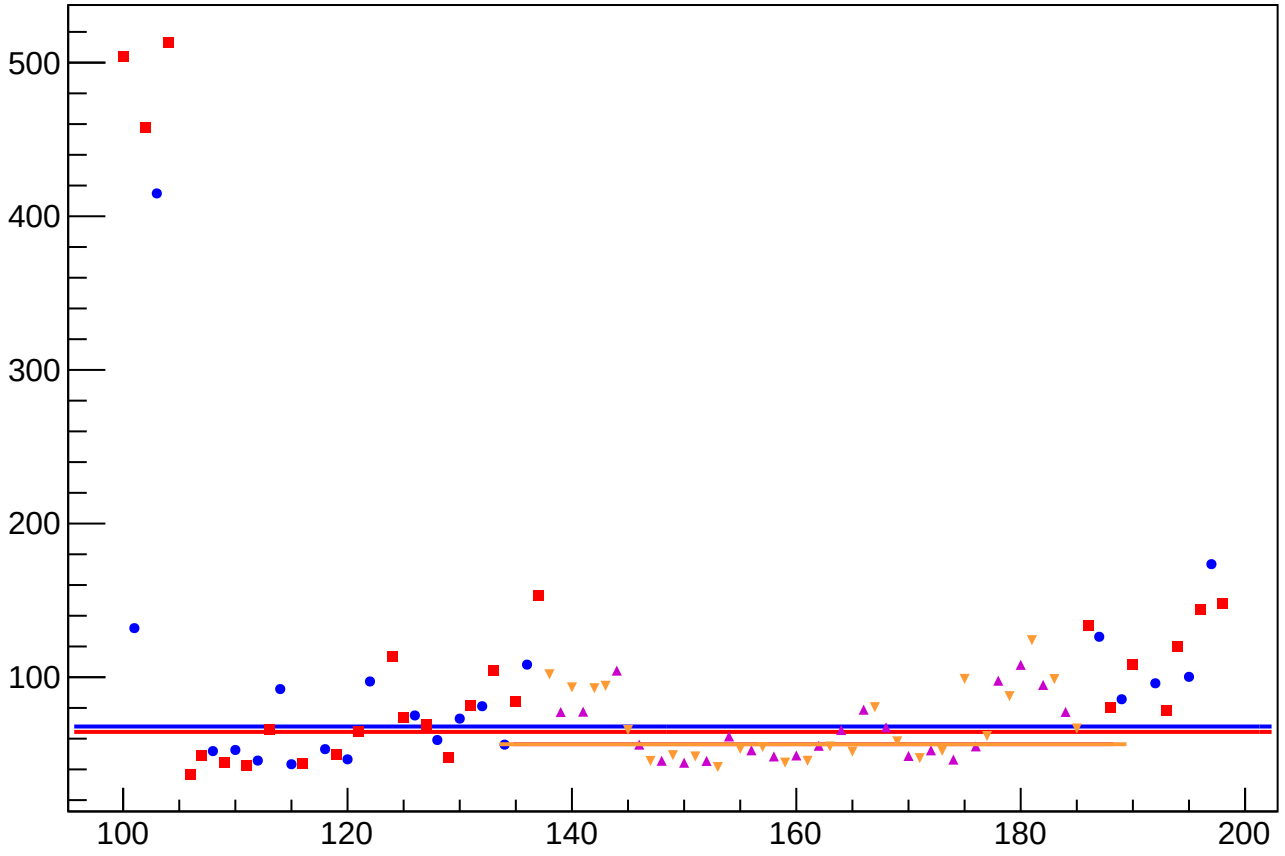
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.011+/-0.012 χ^2/NDF: 37.4/45

All: 0.006+/-0.009 χ^2/NDF: 105.7/94

- sign 0.023+/-0.012 χ^2/NDF: 64.4/48

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 67.909+/-0.017 χ^2/NDF: 2920312.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

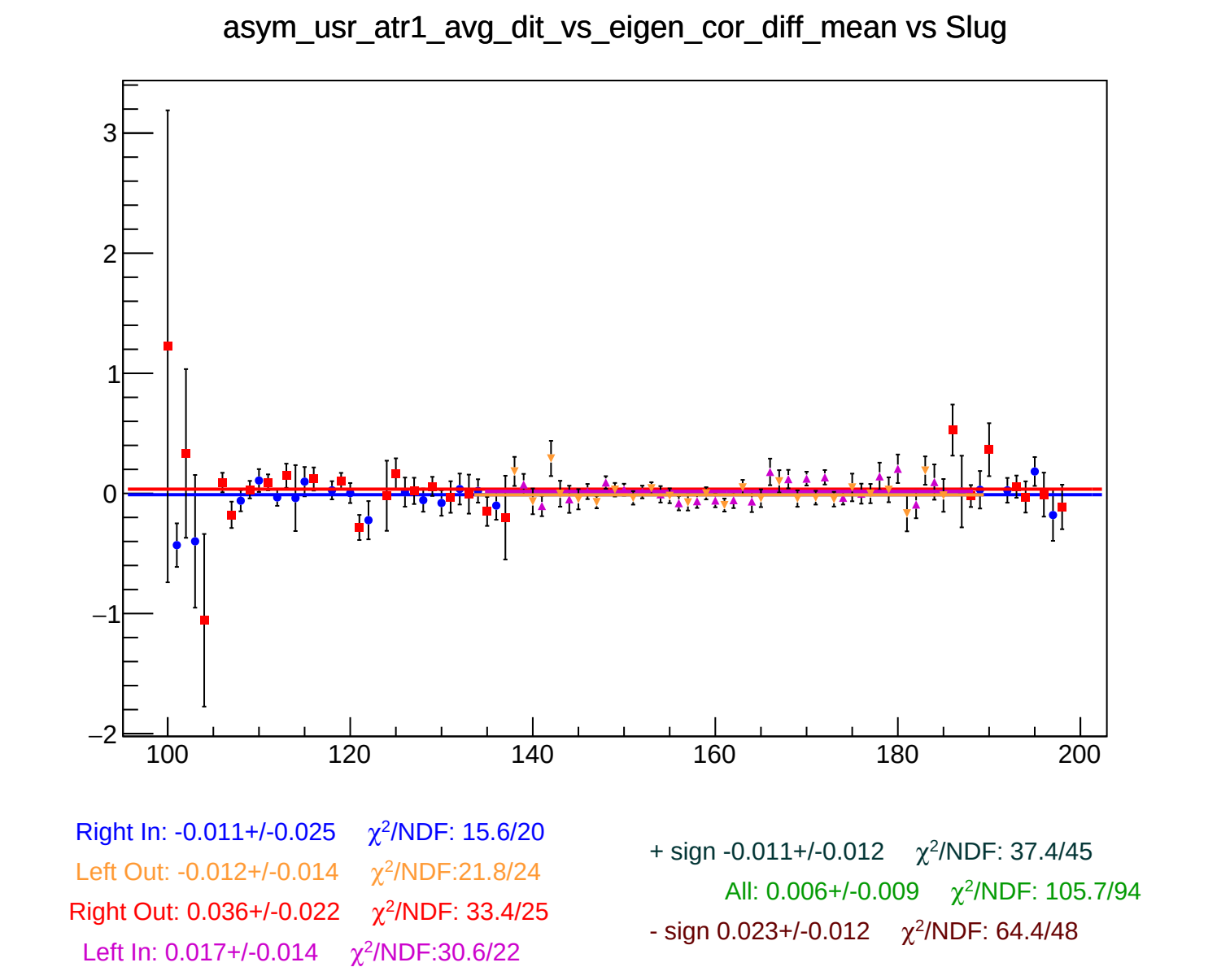
Right Out: 64.397+/-0.016 χ^2/NDF: 4379356.2/25

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

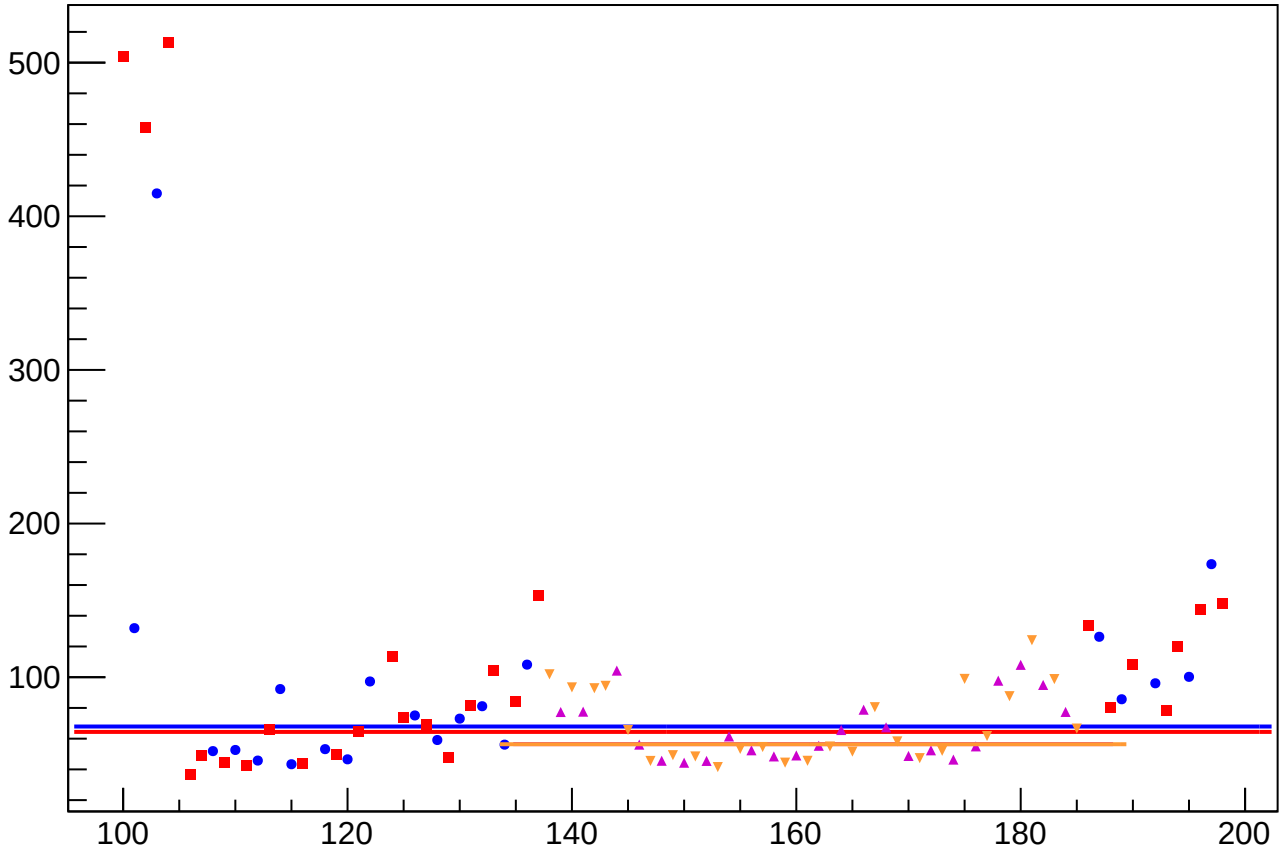
+ sign 59.296+/-0.009 χ^2/NDF: 6046550.1/45

All: 59.070+/-0.006 χ^2/NDF: 12747679.1/94

- sign 58.854+/-0.009 χ^2/NDF: 6699825.6/48


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.011+/-0.025 χ²/NDF: 15.6/20
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: 0.036+/-0.022 χ²/NDF: 33.4/25
Left In: 0.017+/-0.014 χ²/NDF:30.6/22
+ sign -0.011+/-0.012 χ²/NDF: 37.4/45
All: 0.006+/-0.009 χ²/NDF: 105.7/94
- sign 0.023+/-0.012 χ²/NDF: 64.4/48

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.909+/-0.017 χ^2/NDF: 2920312.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

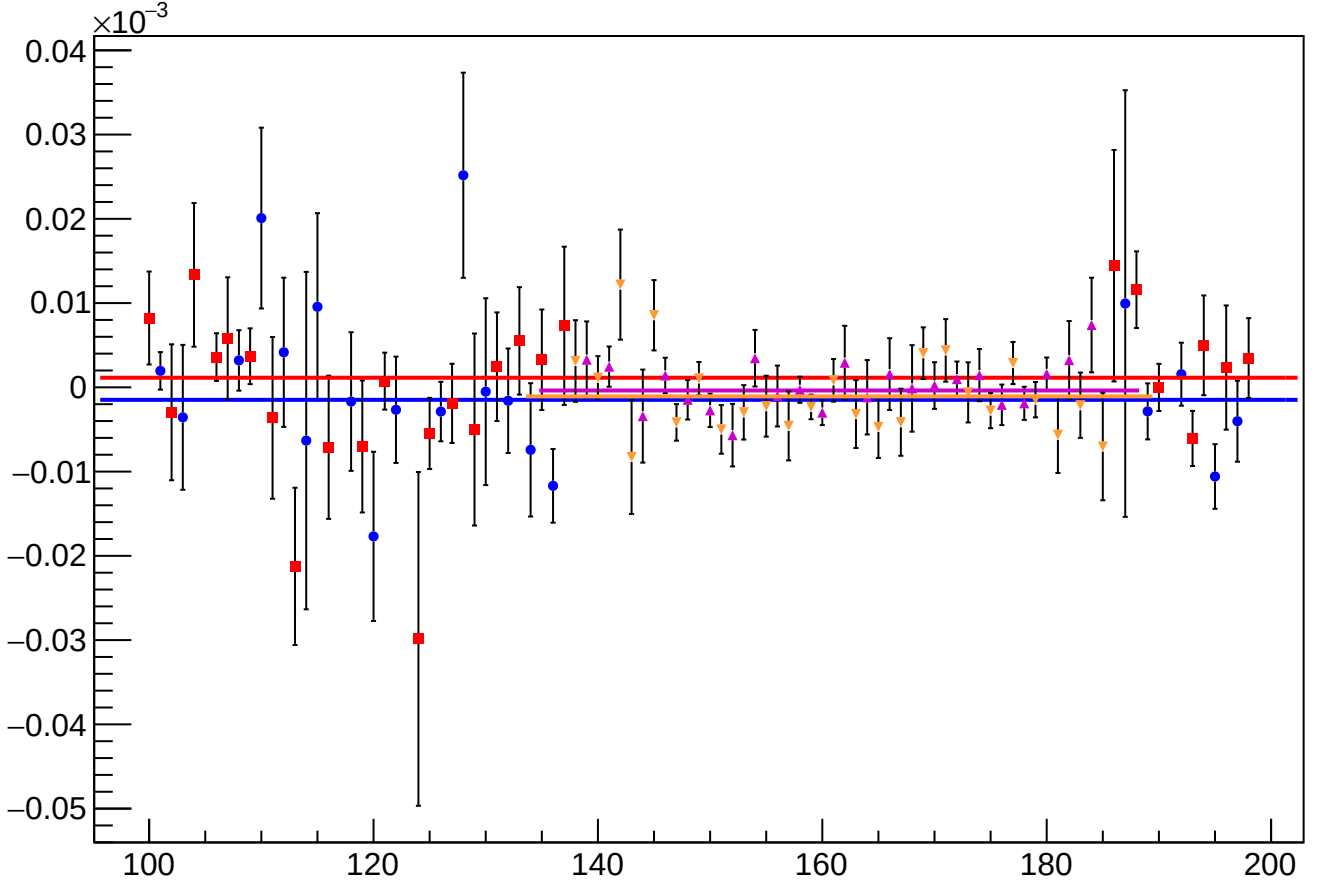
Right Out: 64.397+/-0.016 χ^2/NDF: 4379356.2/25

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 59.296+/-0.009 χ^2/NDF: 6046550.1/45

All: 59.070+/-0.006 χ^2/NDF: 12747679.1/94

- sign 58.854+/-0.009 χ^2/NDF: 6699825.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/25

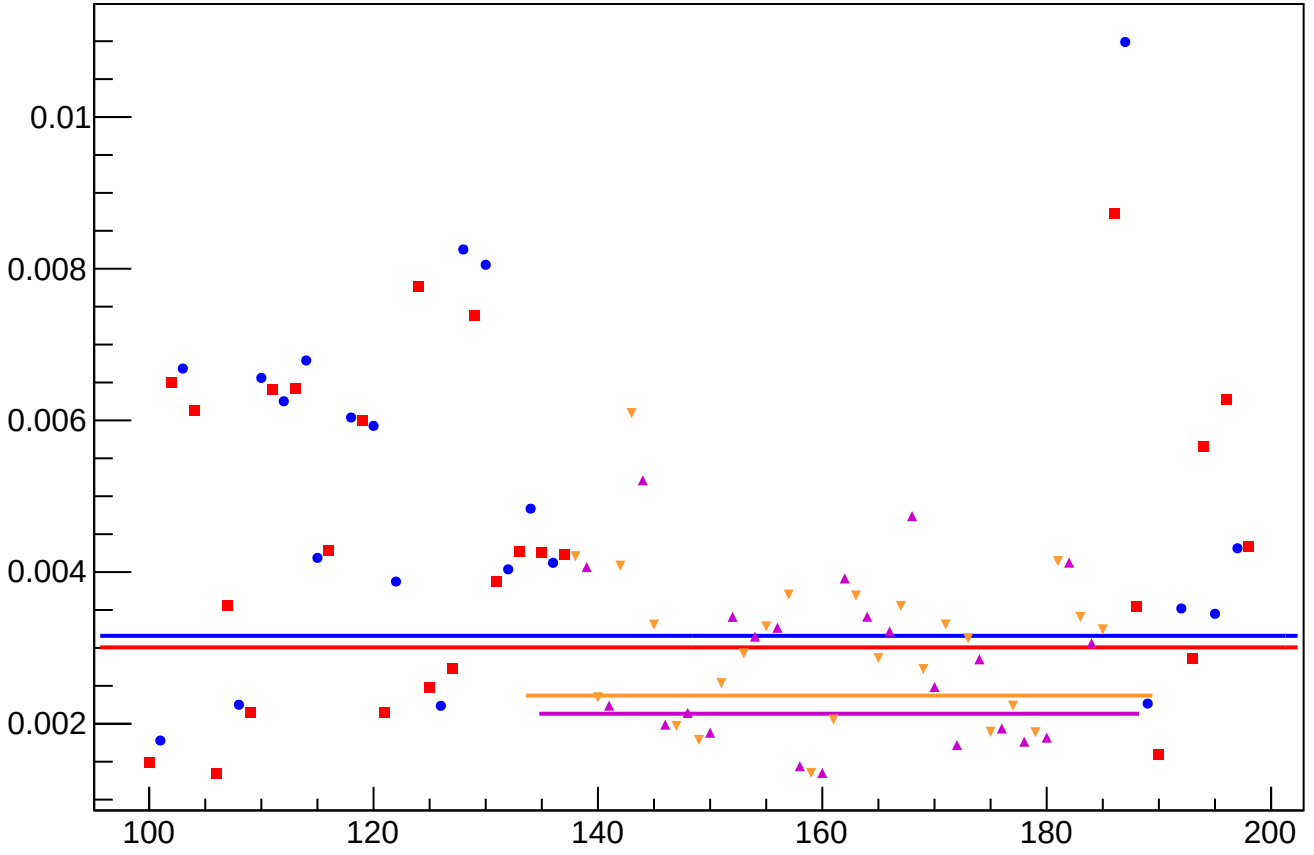
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.9/45

All: -0.000+/-0.000 χ^2/NDF: 116.1/94

- sign -0.000+/-0.000 χ^2/NDF: 51.6/48

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3767703.8/20

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

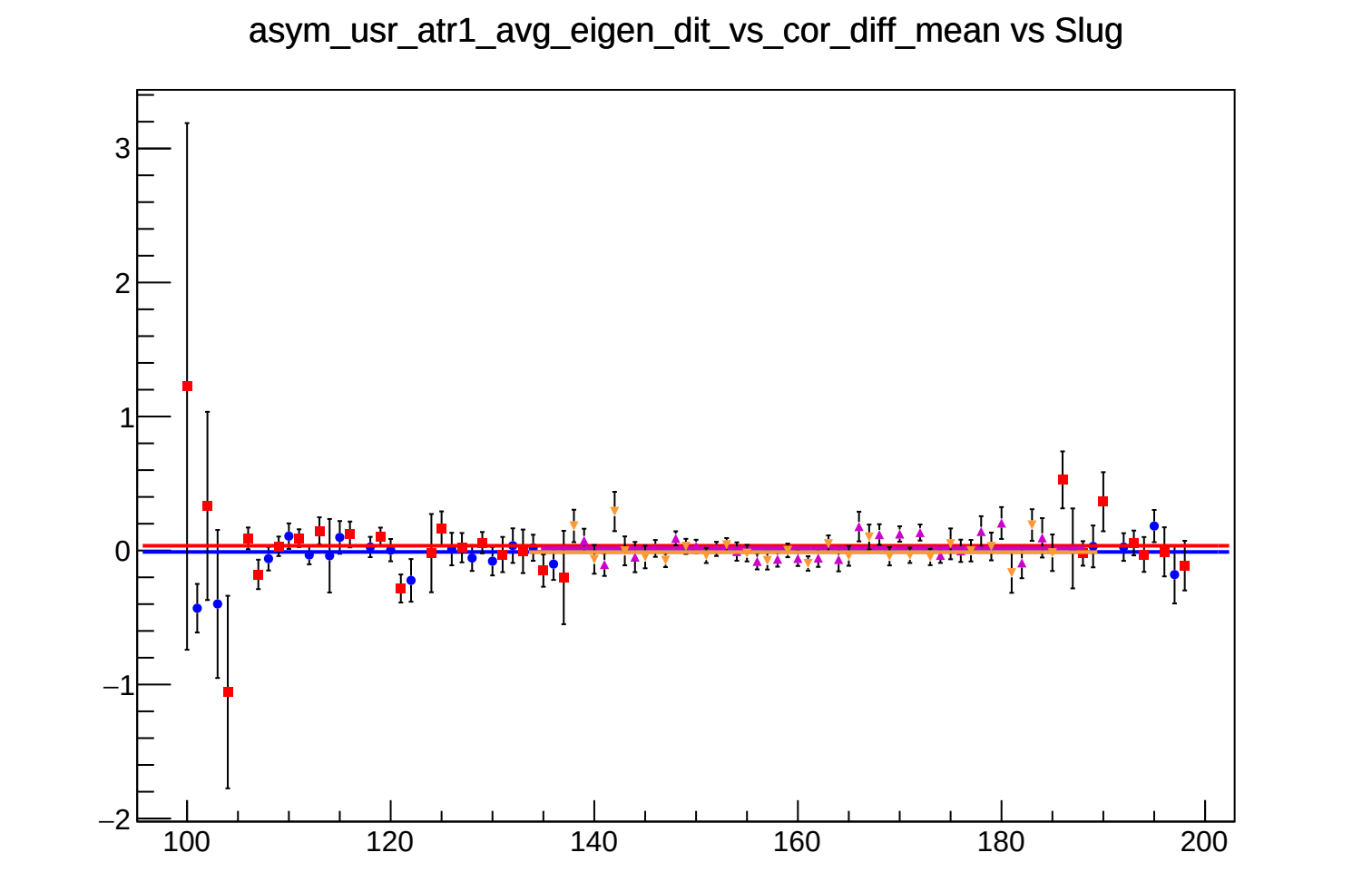
Right Out: 0.003+/-0.000 χ^2/NDF: 5149109.6/25

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8740328.0/45

All: 0.002+/-0.000 χ^2/NDF: 19793368.2/94

- sign 0.002+/-0.000 χ^2/NDF: 10860431.2/48



Right In: -0.011+/-0.025 χ^2/NDF: 15.6/20

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.036+/-0.022 χ^2/NDF: 33.3/25

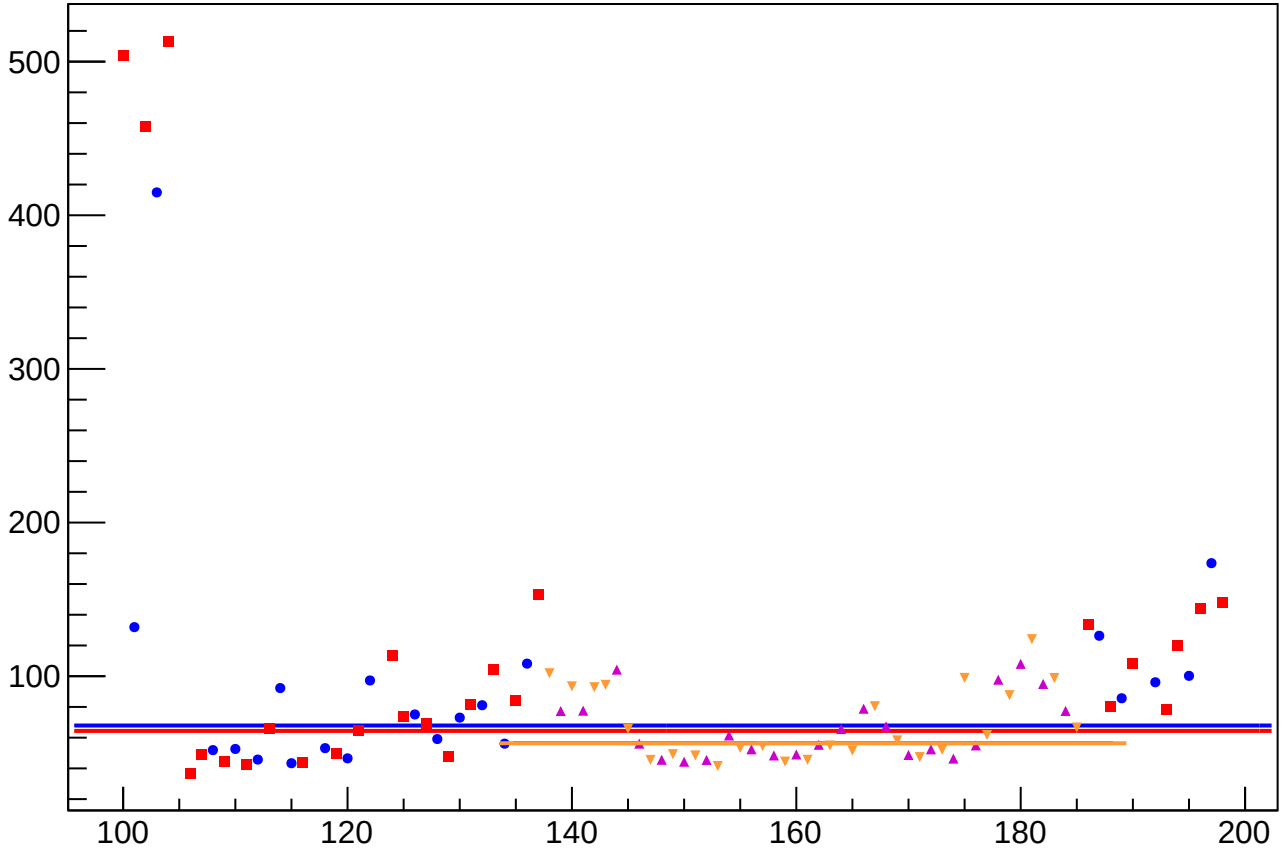
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

\+ sign -0.011+/-0.012 χ^2/NDF: 37.4/45

All: 0.006+/-0.009 χ^2/NDF: 105.7/94

\- sign 0.023+/-0.012 χ^2/NDF: 64.4/48

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.909+/-0.017 χ^2/NDF: 2920286.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

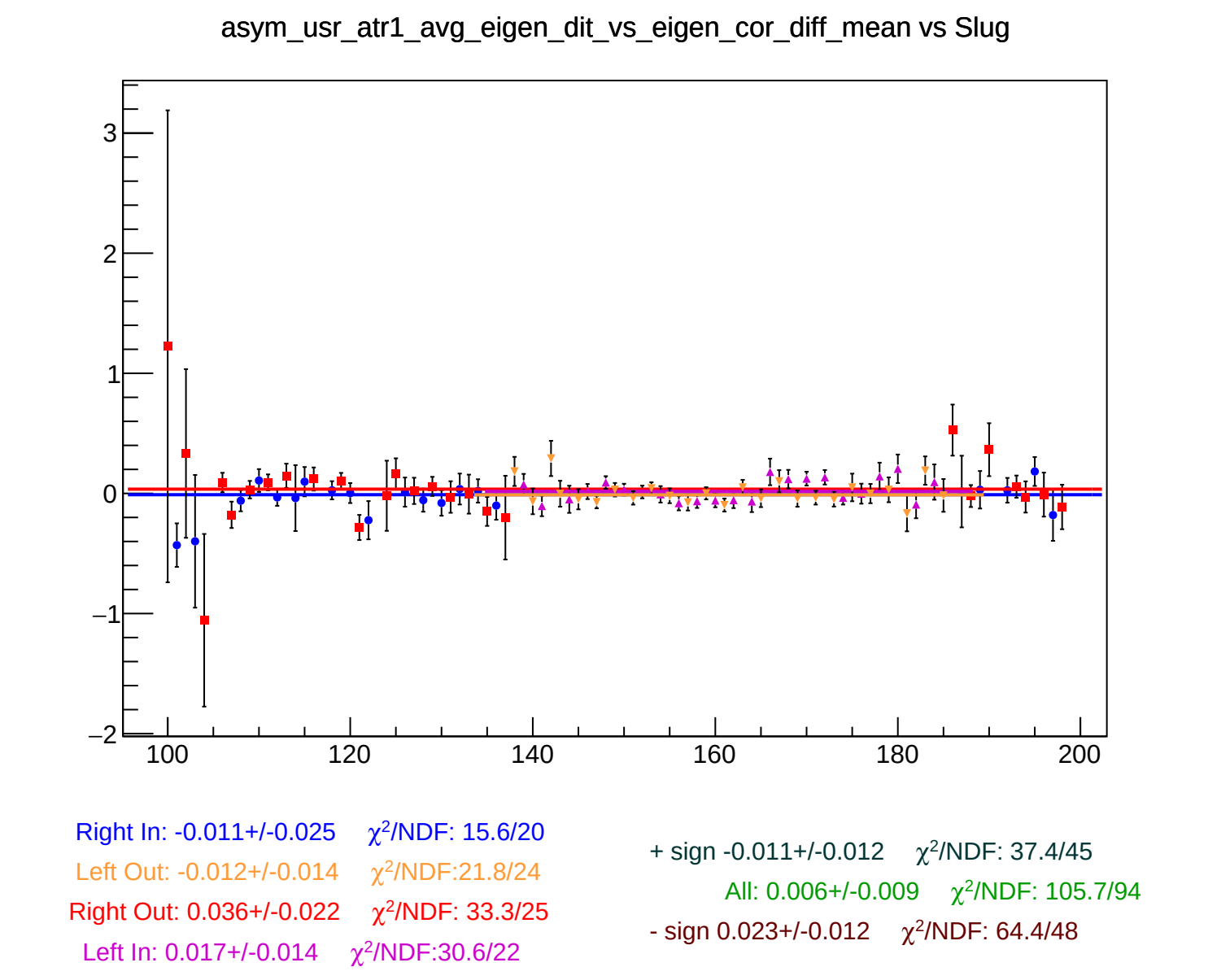
Right Out: 64.396+/-0.016 χ^2/NDF: 4379367.3/25

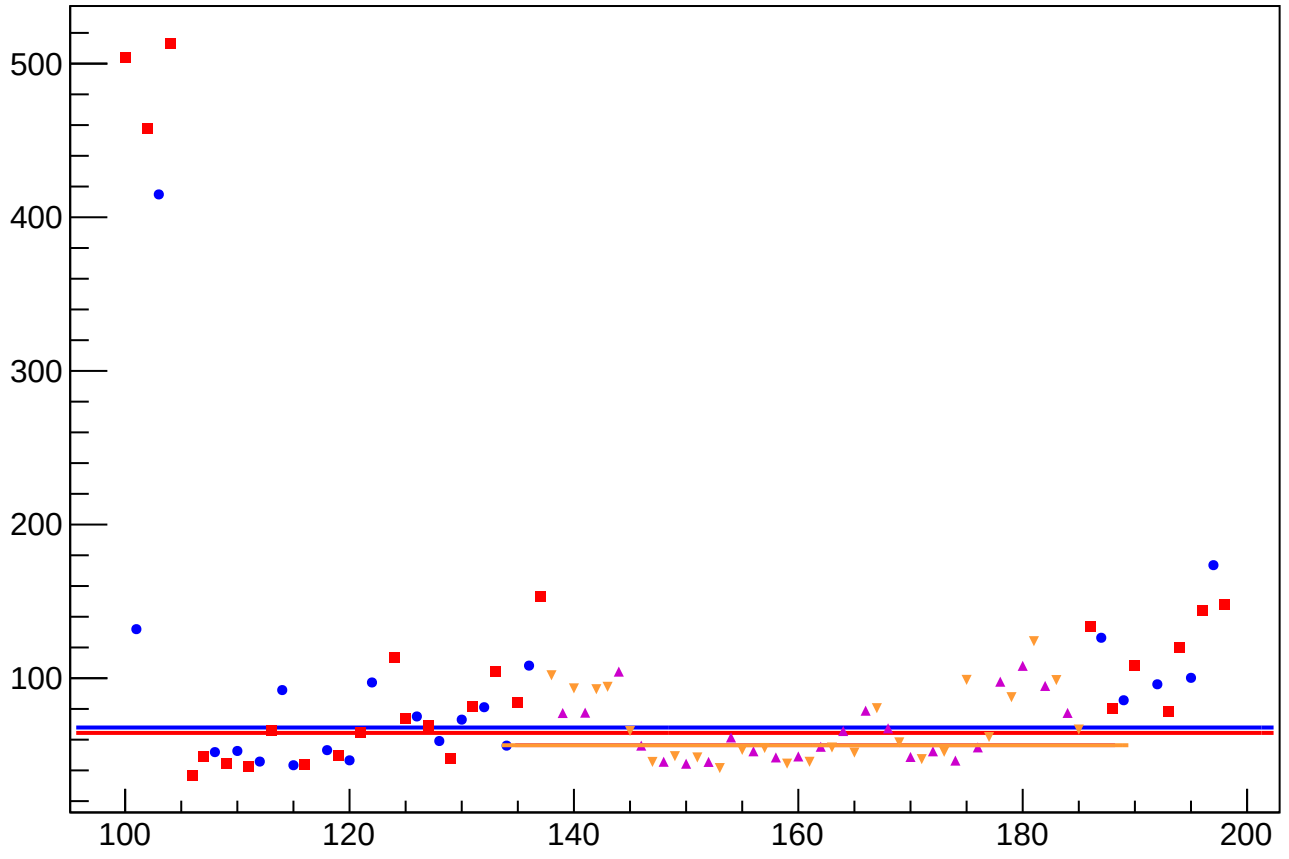
Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 59.296+/-0.009 χ^2/NDF: 6046551.5/45

All: 59.070+/-0.006 χ^2/NDF: 12747636.8/94

- sign 58.854+/-0.009 χ^2/NDF: 6699781.1/48


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.011+/-0.025 χ²/NDF: 15.6/20
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: 0.036+/-0.022 χ²/NDF: 33.3/25
Left In: 0.017+/-0.014 χ²/NDF:30.6/22
+ sign -0.011+/-0.012 χ²/NDF: 37.4/45
All: 0.006+/-0.009 χ²/NDF: 105.7/94
- sign 0.023+/-0.012 χ²/NDF: 64.4/48



Right In: 67.909+/-0.017 χ^2/NDF: 2920286.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

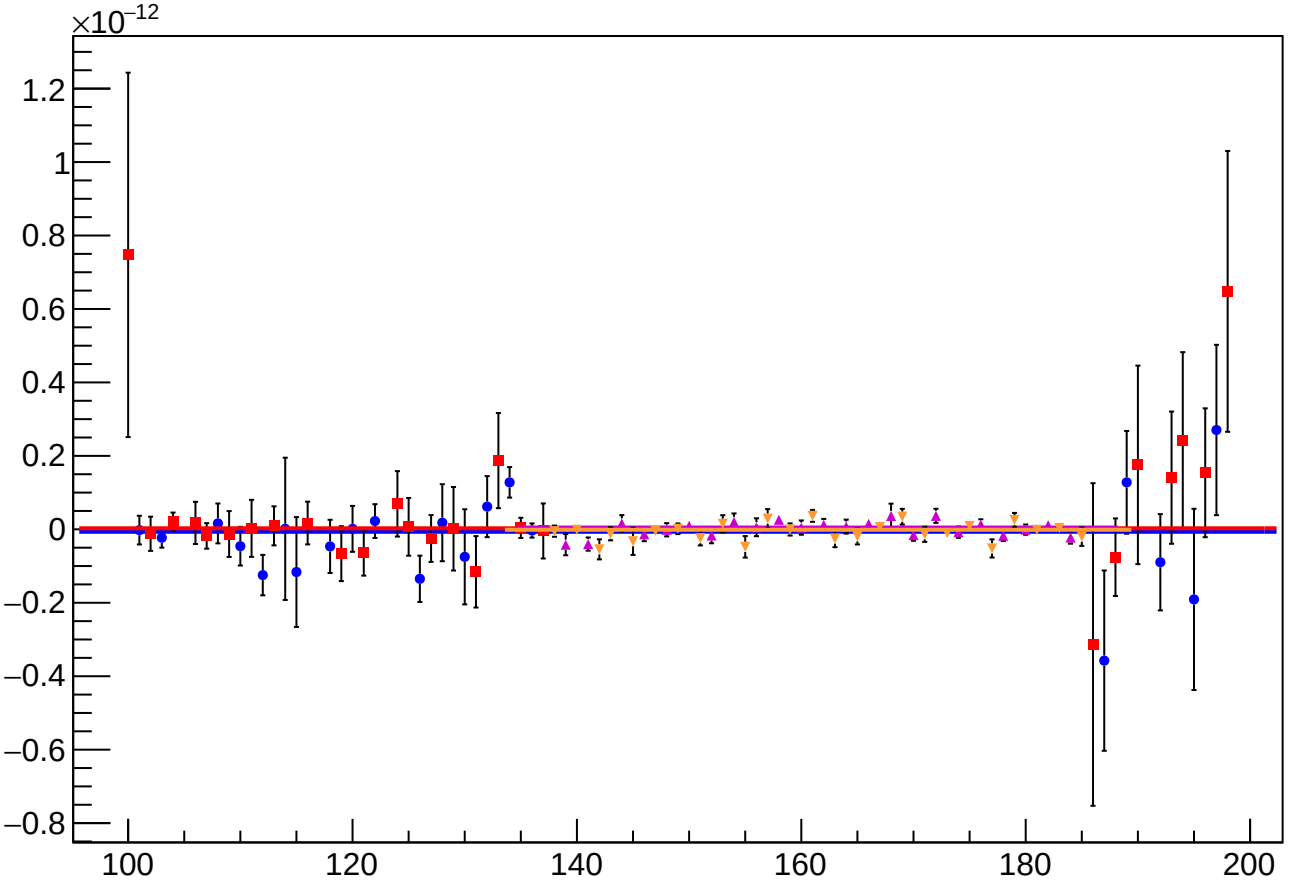
Right Out: 64.396+/-0.016 χ^2/NDF: 4379367.3/25

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 59.296+/-0.009 χ^2/NDF: 6046551.5/45

All: 59.070+/-0.006 χ^2/NDF: 12747636.8/94

- sign 58.854+/-0.009 χ^2/NDF: 6699781.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

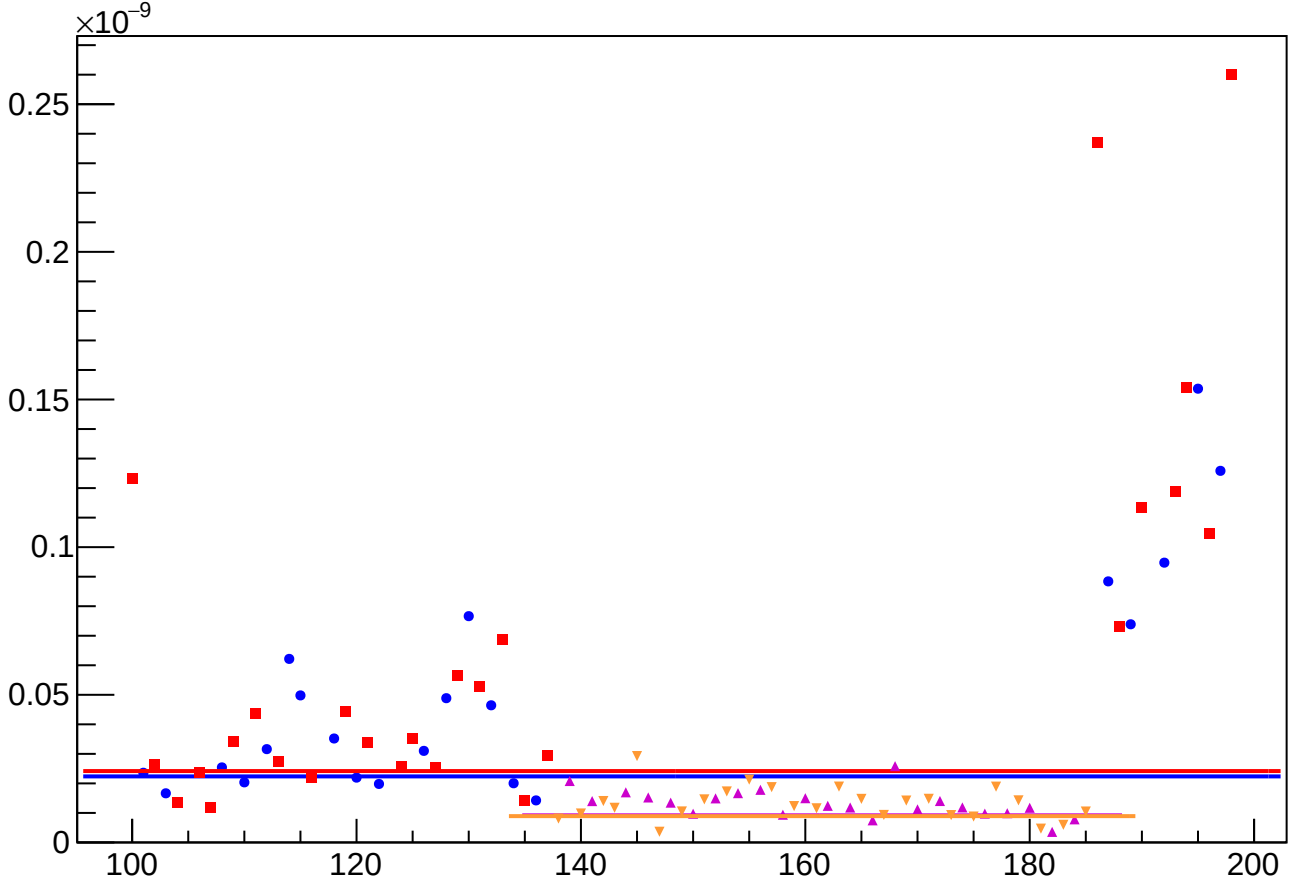
Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/25

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.8/45

All: 0.000+/-0.000 χ^2/NDF: 105.0/94

- sign 0.000+/-0.000 χ^2/NDF: 44.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 3412318.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5421128.8/25

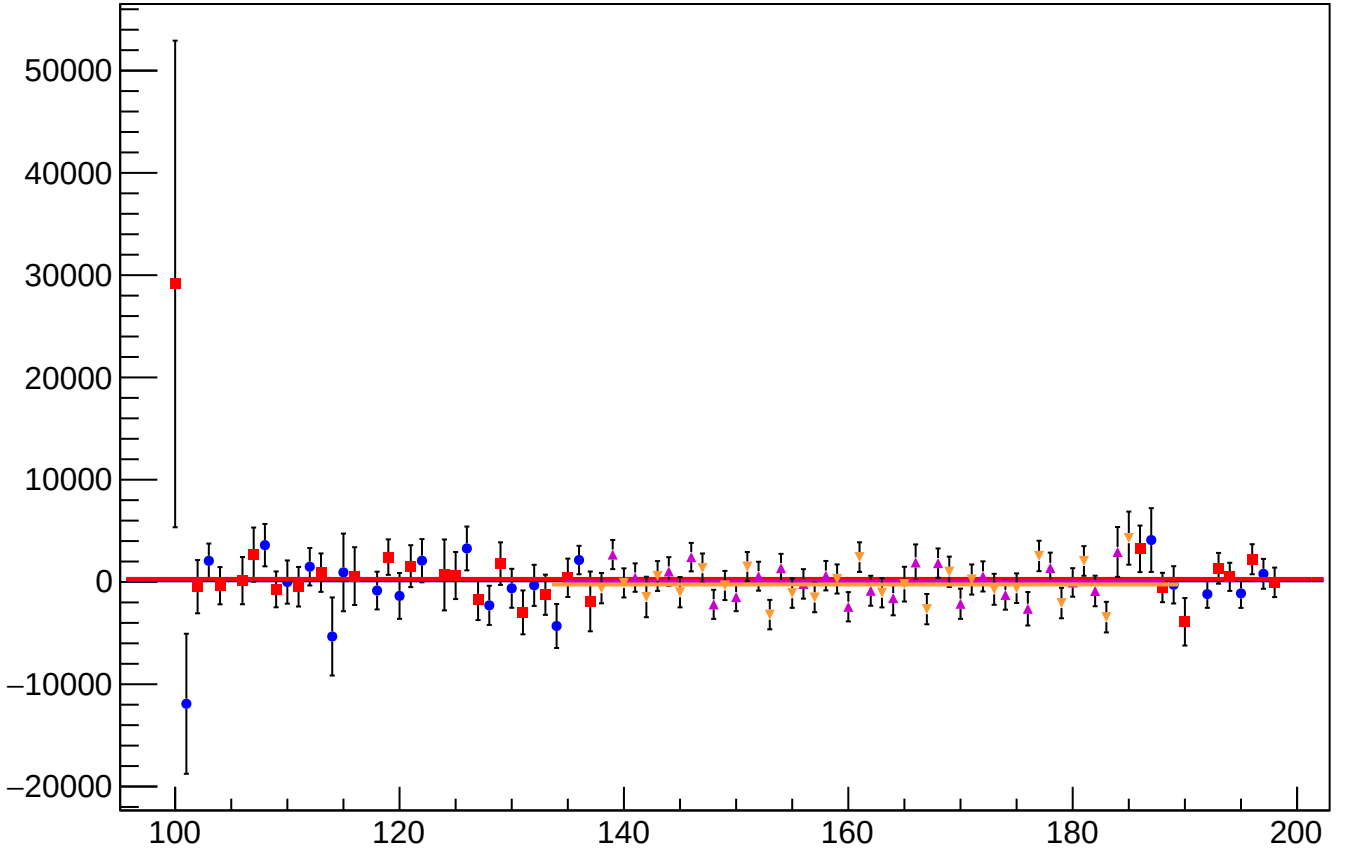
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11179865.3/45

All: 0.000+/-0.000 χ^2/NDF: 24755937.7/94

- sign 0.000+/-0.000 χ^2/NDF: 13562532.1/48

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 163.112+/-420.564 χ^2/NDF: 25.4/20

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 298.916+/-384.508 χ^2/NDF: 17.6/25

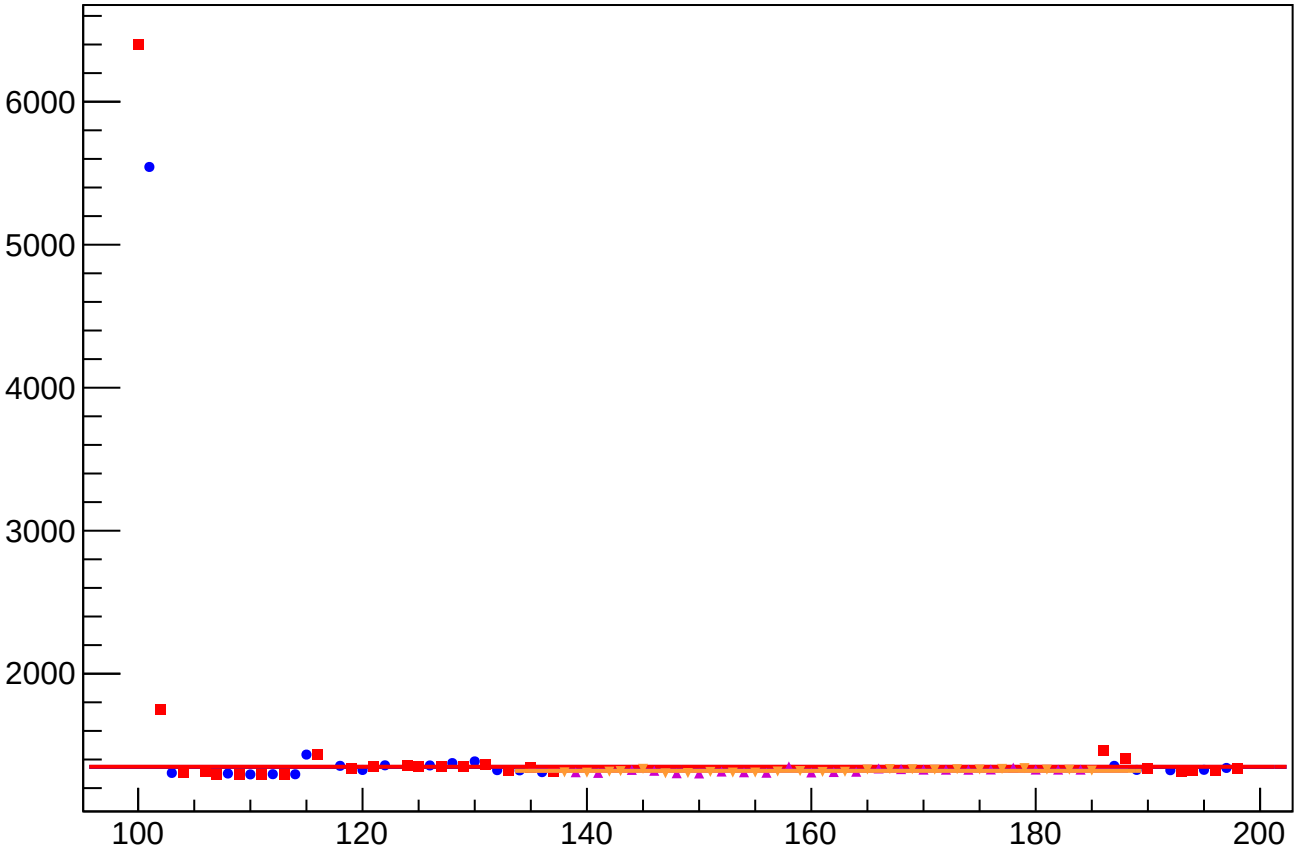
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -104.630+/-244.235 χ^2/NDF: 57.7/45

All: 19.940+/-171.430 χ^2/NDF: 103.2/94

- sign 140.913+/-240.683 χ^2/NDF: 45.0/48

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.004+/-0.297 χ^2/NDF: 762082.2/20

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1349.366+/-0.272 χ^2/NDF: 158009.4/25

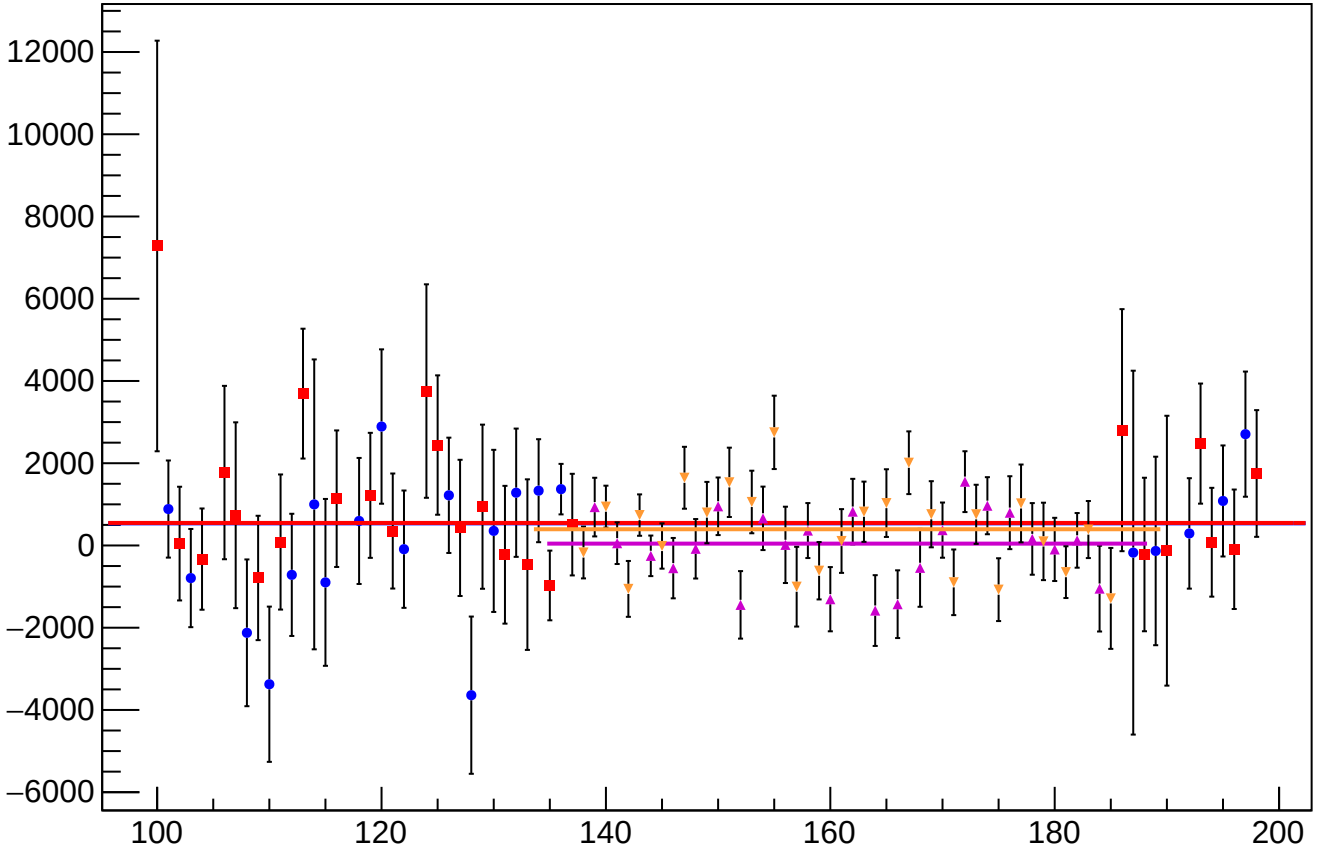
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.935+/-0.173 χ^2/NDF: 770255.0/45

All: 1331.282+/-0.121 χ^2/NDF: 938197.5/94

- sign 1332.590+/-0.170 χ^2/NDF: 167822.6/48

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 537.553+/-308.523 χ^2/NDF: 20.7/20

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 547.875+/-310.998 χ^2/NDF: 17.9/25

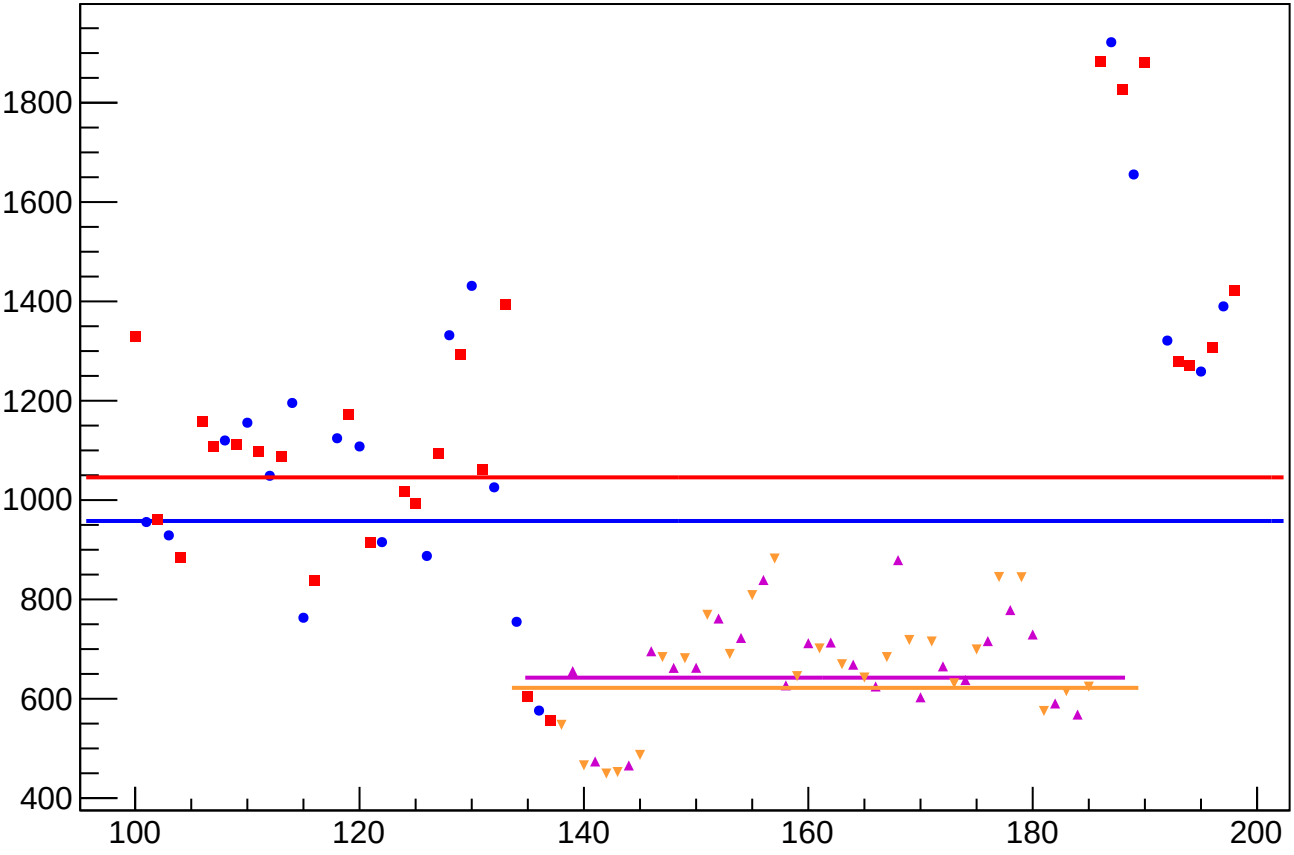
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 420.294+/-130.904 χ^2/NDF: 62.7/45

All: 287.336+/-94.580 χ^2/NDF: 112.5/94

- sign 142.126+/-136.803 χ^2/NDF: 47.6/48

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 957.930+/-0.218 χ^2/NDF: 1825597.2/20

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1045.737+/-0.220 χ^2/NDF: 2007160.7/25

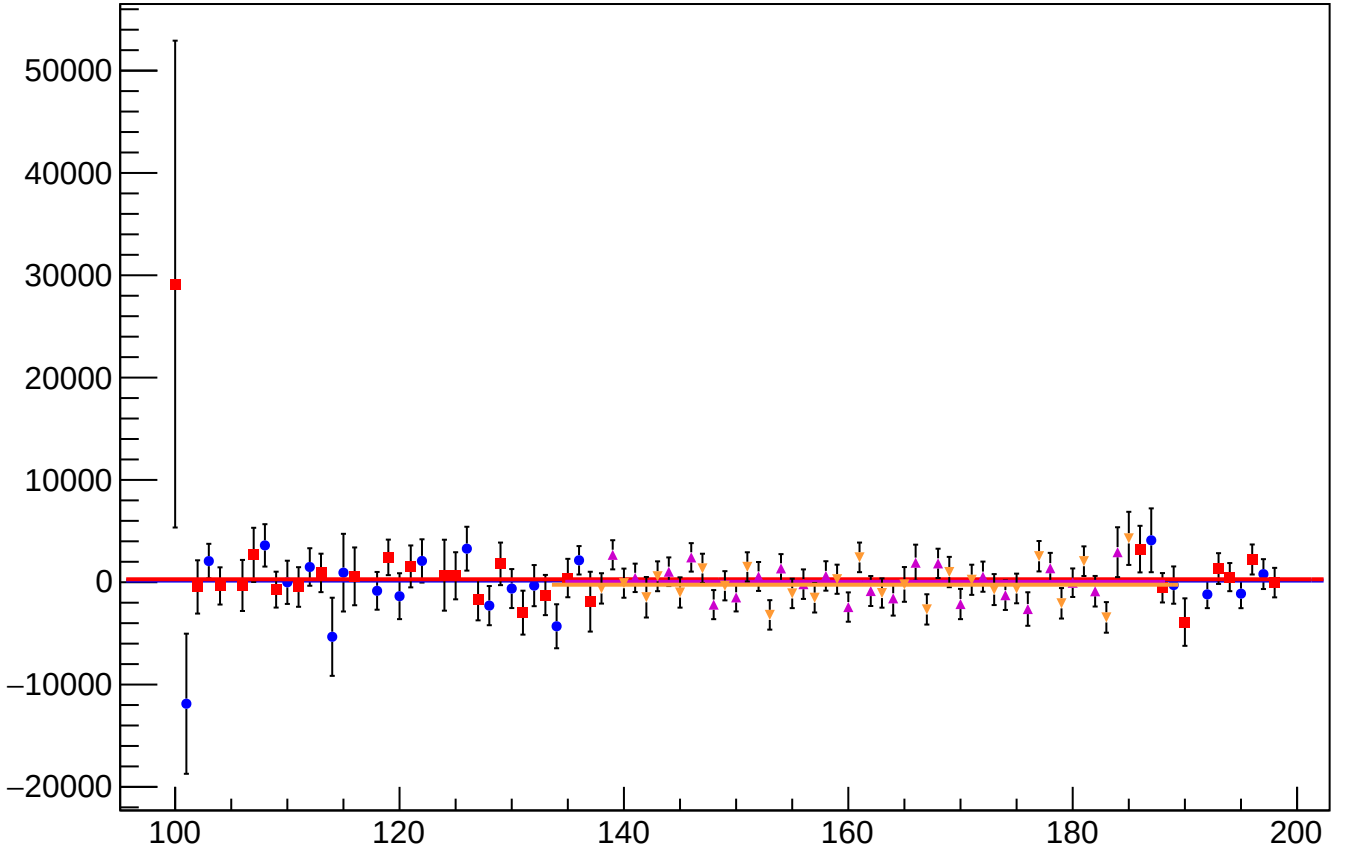
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 682.435+/-0.093 χ^2/NDF: 5153895.5/45

All: 700.630+/-0.067 χ^2/NDF: 10880319.2/94

- sign 720.501+/-0.097 χ^2/NDF: 5645585.4/48

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 163.253+/-420.564 χ^2/NDF: 25.3/20

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 289.212+/-385.279 χ^2/NDF: 17.7/25

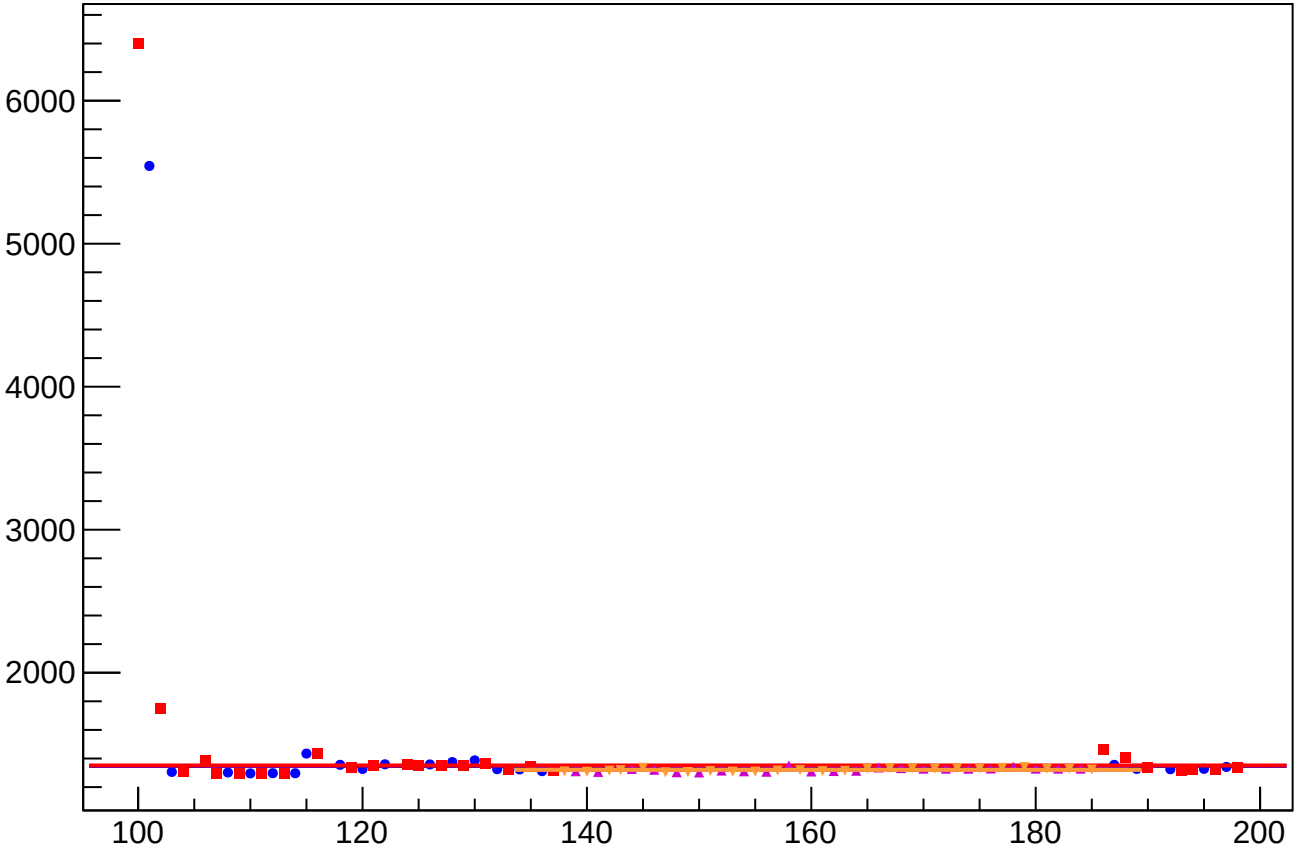
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -104.583+/-244.235 χ^2/NDF: 57.7/45

All: 17.840+/-171.499 χ^2/NDF: 103.2/94

- sign 136.915+/-240.871 χ^2/NDF: 45.1/48

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.004+/-0.297 χ^2/NDF: 762081.2/20

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1351.194+/-0.272 χ^2/NDF: 158082.5/25

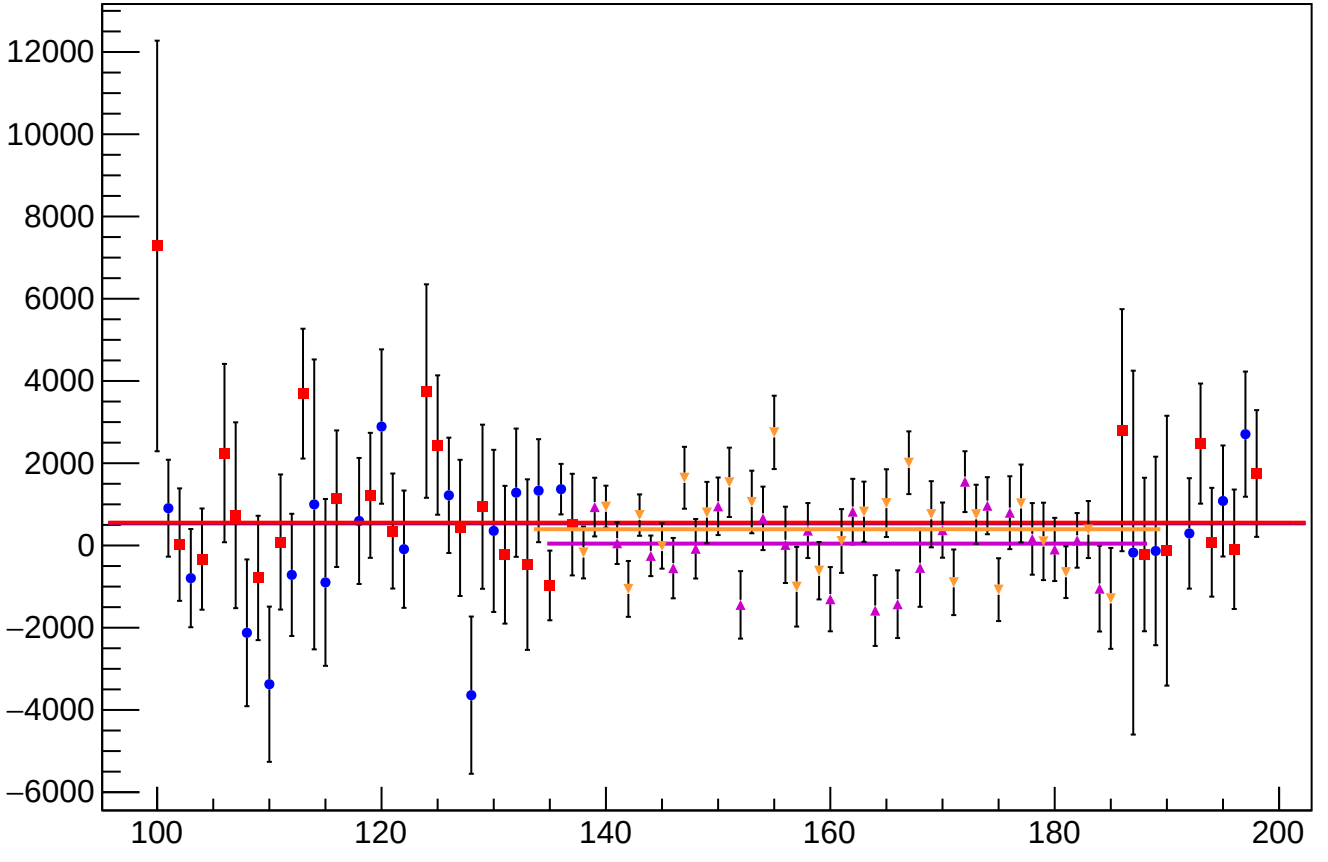
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.935+/-0.173 χ^2/NDF: 770254.0/45

All: 1331.630+/-0.121 χ^2/NDF: 939179.4/94

- sign 1333.278+/-0.170 χ^2/NDF: 168735.4/48

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 538.974+/-308.480 χ^2/NDF: 20.7/20

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 554.356+/-311.001 χ^2/NDF: 18.2/25

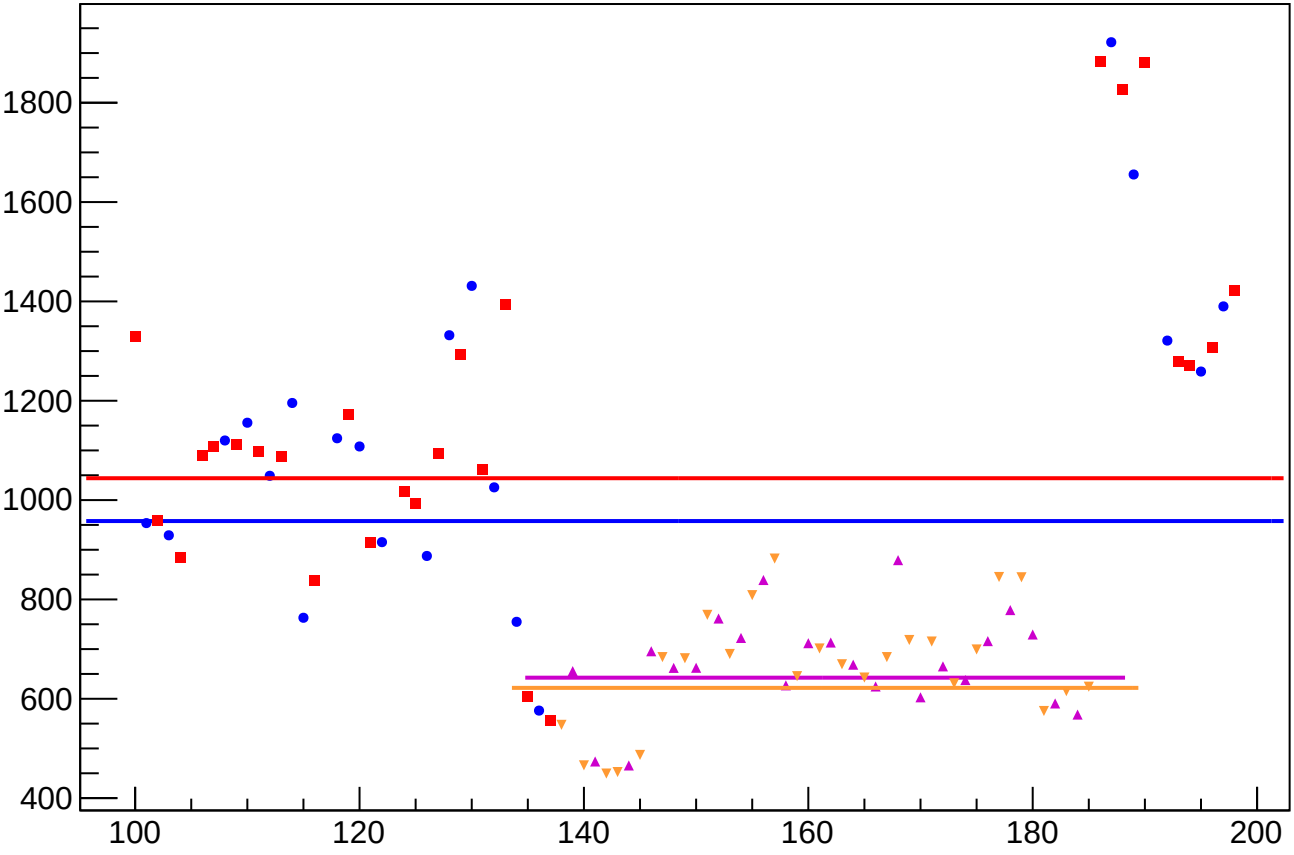
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 420.533+/-130.901 χ^2/NDF: 62.7/45

All: 288.058+/-94.578 χ^2/NDF: 112.8/94

- sign 143.368+/-136.803 χ^2/NDF: 48.0/48

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 957.801+/-0.218 χ^2/NDF: 1825546.7/20

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1044.034+/-0.220 χ^2/NDF: 2002799.7/25

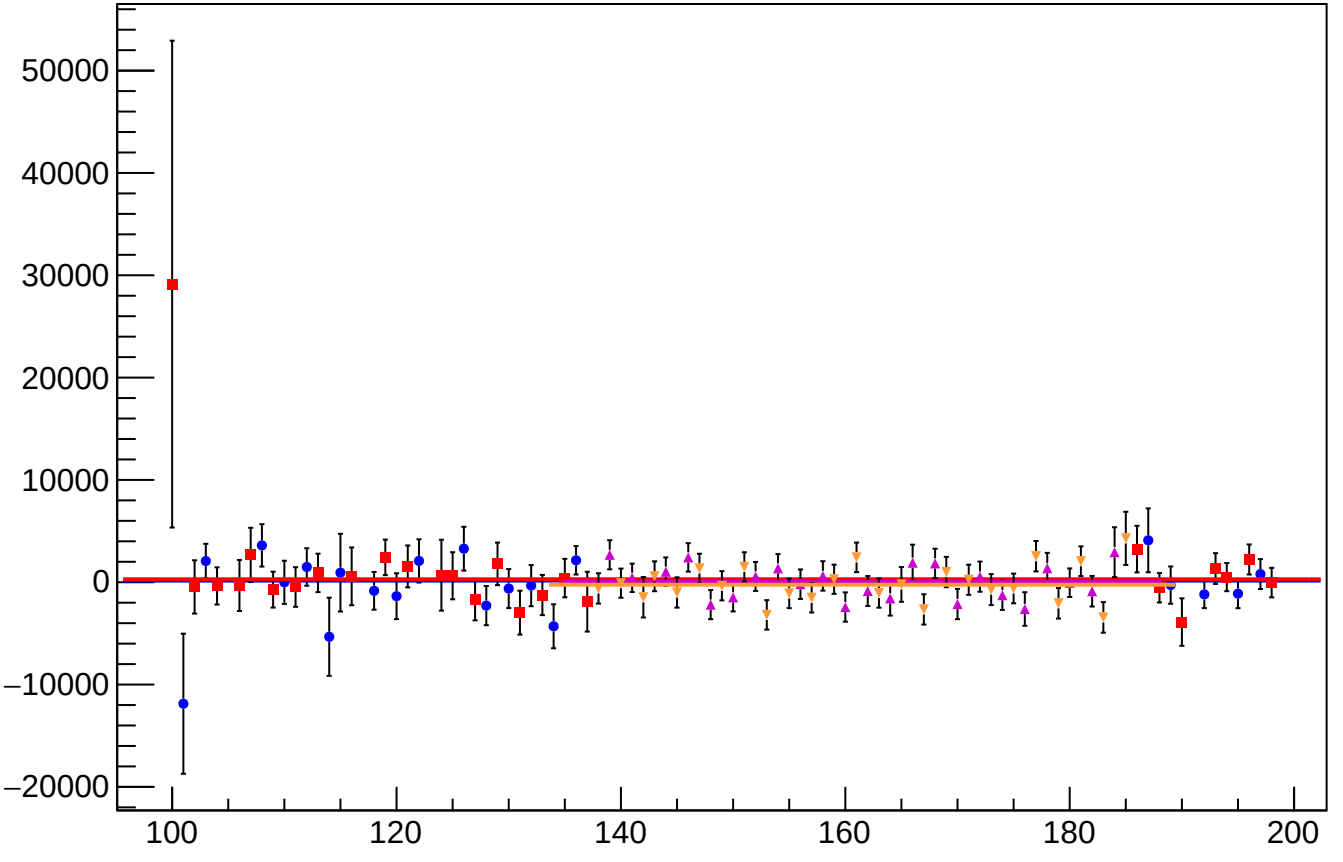
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 682.425+/-0.093 χ^2/NDF: 5152699.0/45

All: 700.464+/-0.067 χ^2/NDF: 10850598.5/94

- sign 720.166+/-0.097 χ^2/NDF: 5618438.0/48

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 163.253+/-420.564 χ^2/NDF: 25.3/20

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 289.212+/-385.279 χ^2/NDF: 17.7/25

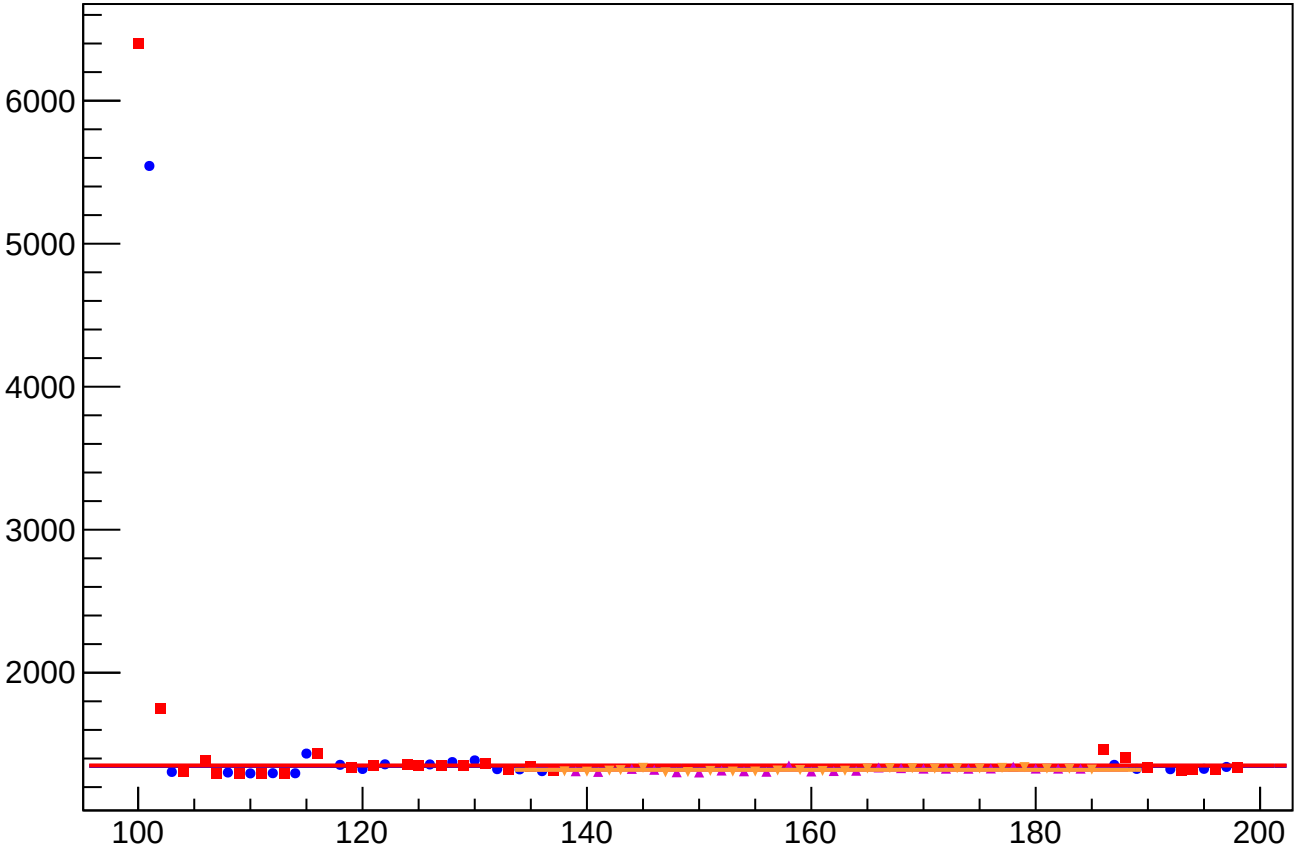
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -104.583+/-244.235 χ^2/NDF: 57.7/45

All: 17.840+/-171.499 χ^2/NDF: 103.2/94

- sign 136.915+/-240.871 χ^2/NDF: 45.1/48

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.004+/-0.297 χ^2/NDF: 762081.2/20

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

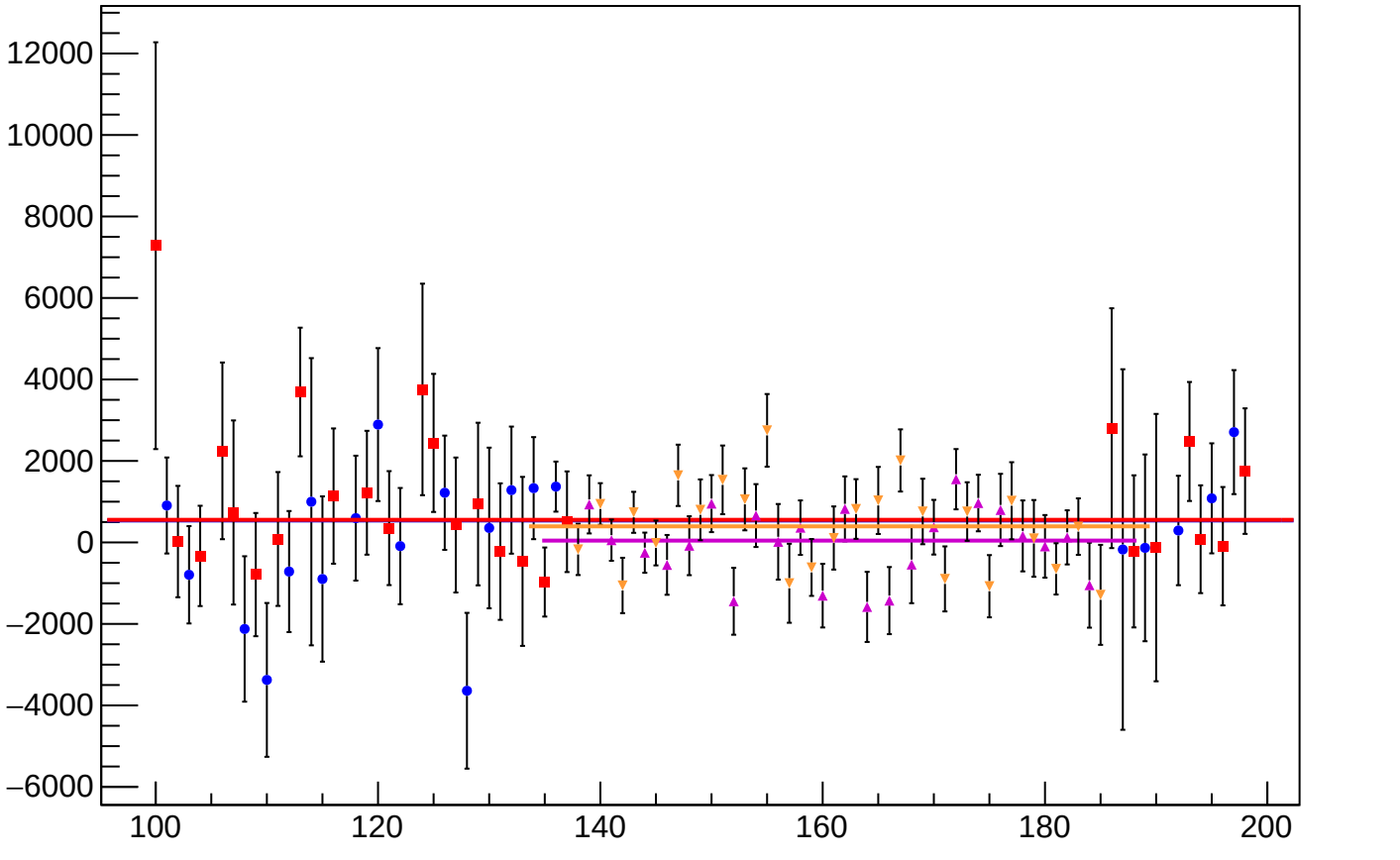
Right Out: 1351.194+/-0.272 χ^2/NDF: 158082.5/25

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.935+/-0.173 χ^2/NDF: 770254.0/45

All: 1331.630+/-0.121 χ^2/NDF: 939179.4/94

- sign 1333.278+/-0.170 χ^2/NDF: 168735.4/48



Right In: 538.974+/-308.480 χ^2/NDF: 20.7/20

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 554.356+/-311.001 χ^2/NDF: 18.2/25

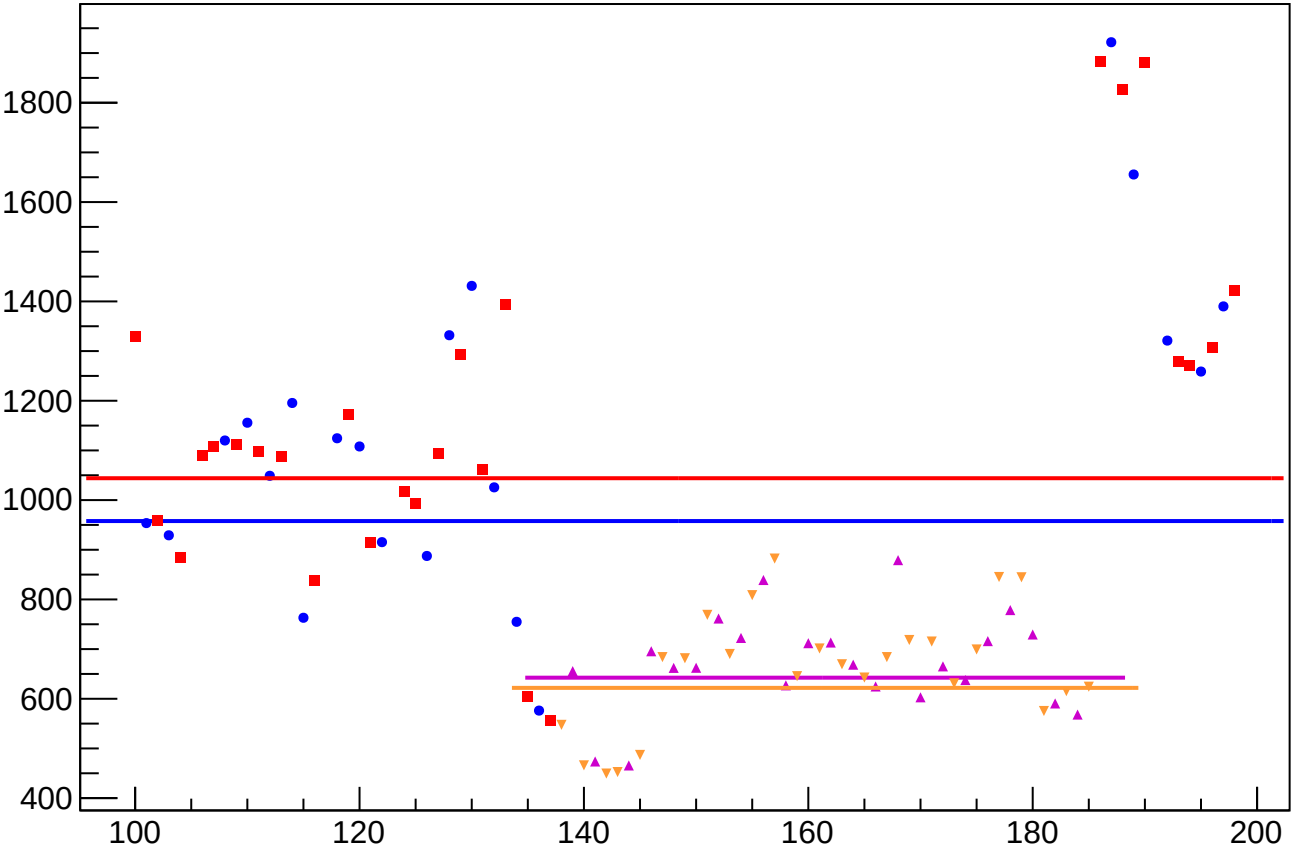
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 420.533+/-130.901 χ^2/NDF: 62.7/45

All: 288.058+/-94.578 χ^2/NDF: 112.8/94

- sign 143.368+/-136.803 χ^2/NDF: 48.0/48

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 957.801+/-0.218 χ^2/NDF: 1825546.7/20

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1044.034+/-0.220 χ^2/NDF: 2002799.7/25

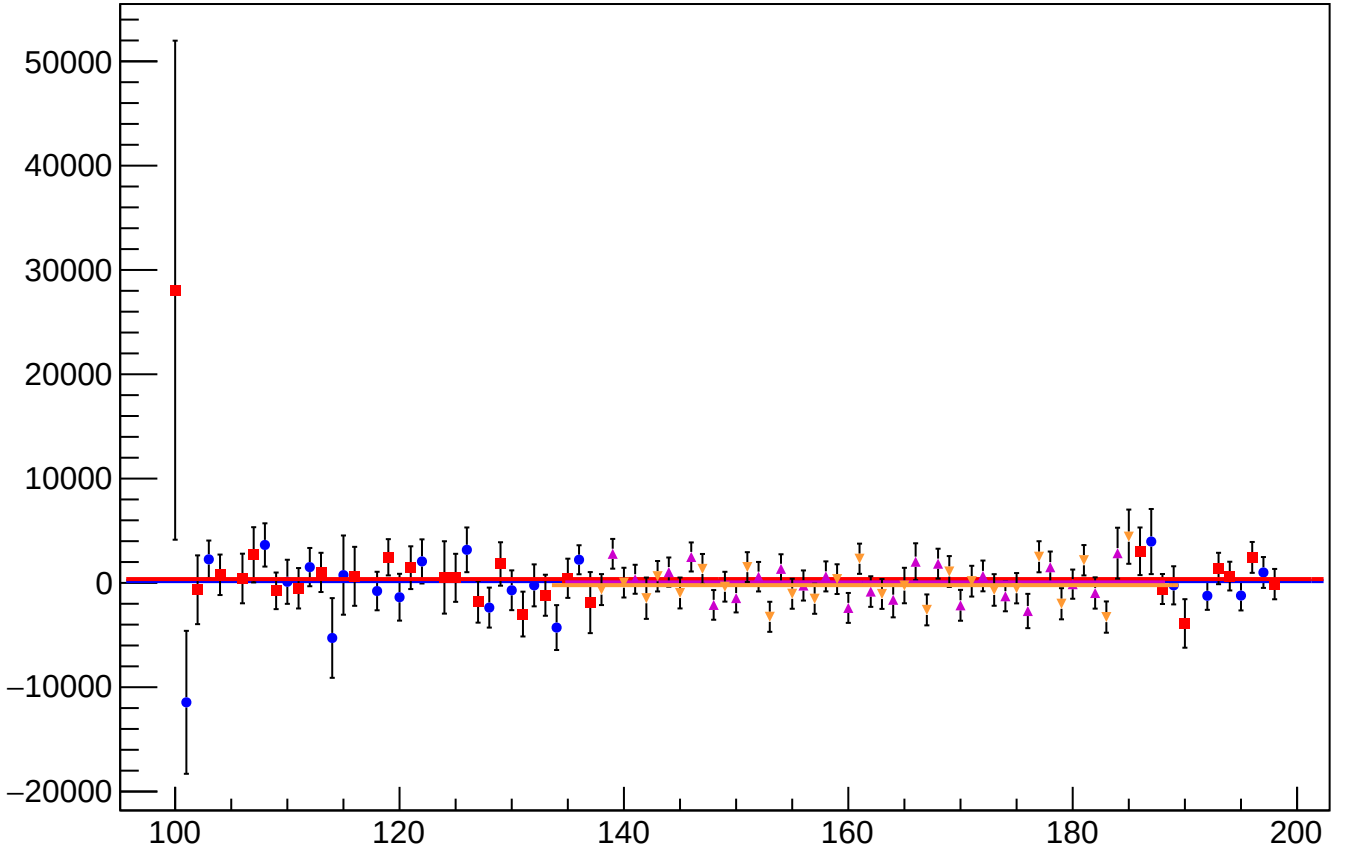
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 682.425+/-0.093 χ^2/NDF: 5152699.0/45

All: 700.464+/-0.067 χ^2/NDF: 10850598.5/94

- sign 720.166+/-0.097 χ^2/NDF: 5618438.0/48

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 169.627+/-423.144 χ^2/NDF: 25.4/20

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 367.686+/-388.246 χ^2/NDF: 17.8/25

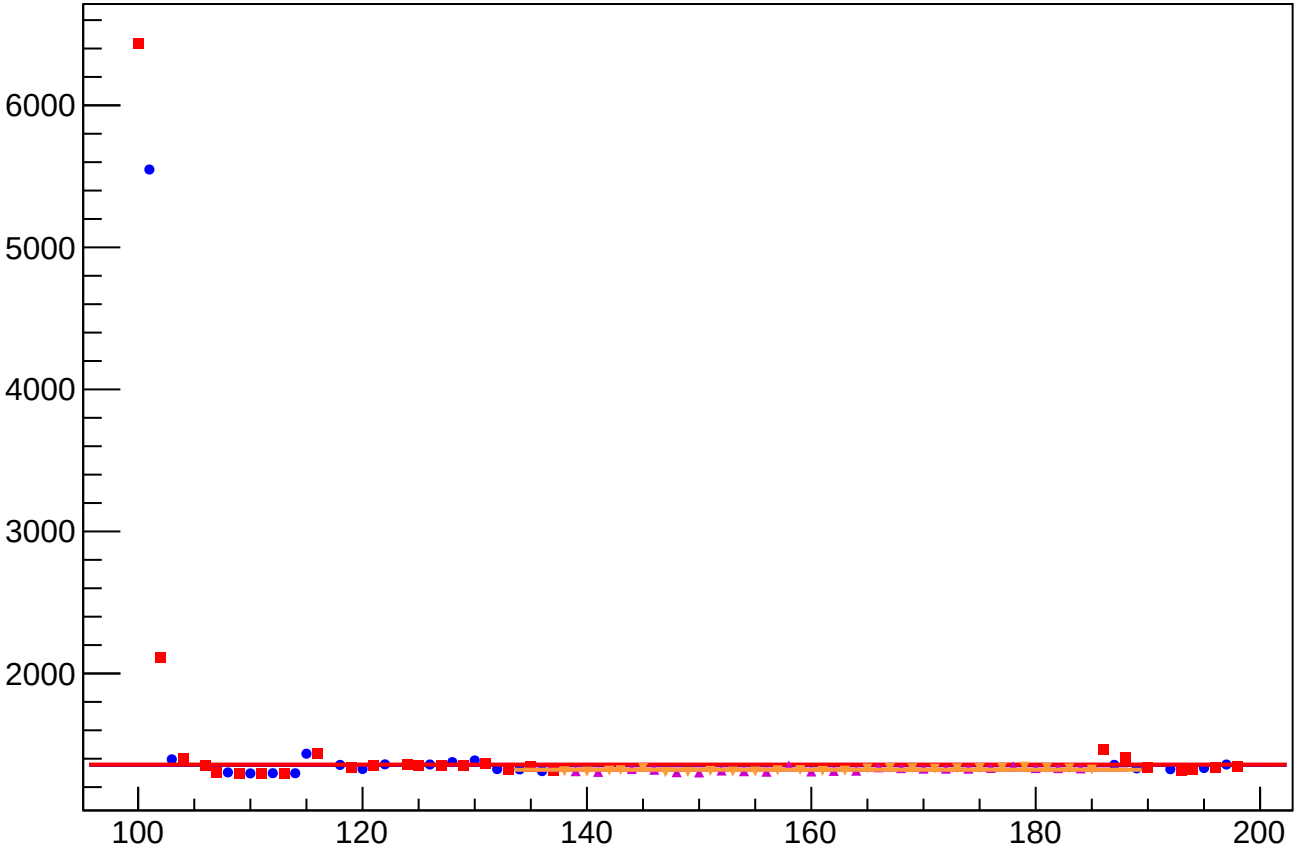
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -86.144+/-244.939 χ^2/NDF: 57.3/45

All: 45.289+/-172.065 χ^2/NDF: 103.9/94

- sign 173.339+/-241.766 χ^2/NDF: 46.0/48

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.259+/-0.299 χ^2/NDF: 761376.5/20

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1358.439+/-0.275 χ^2/NDF: 215672.5/25

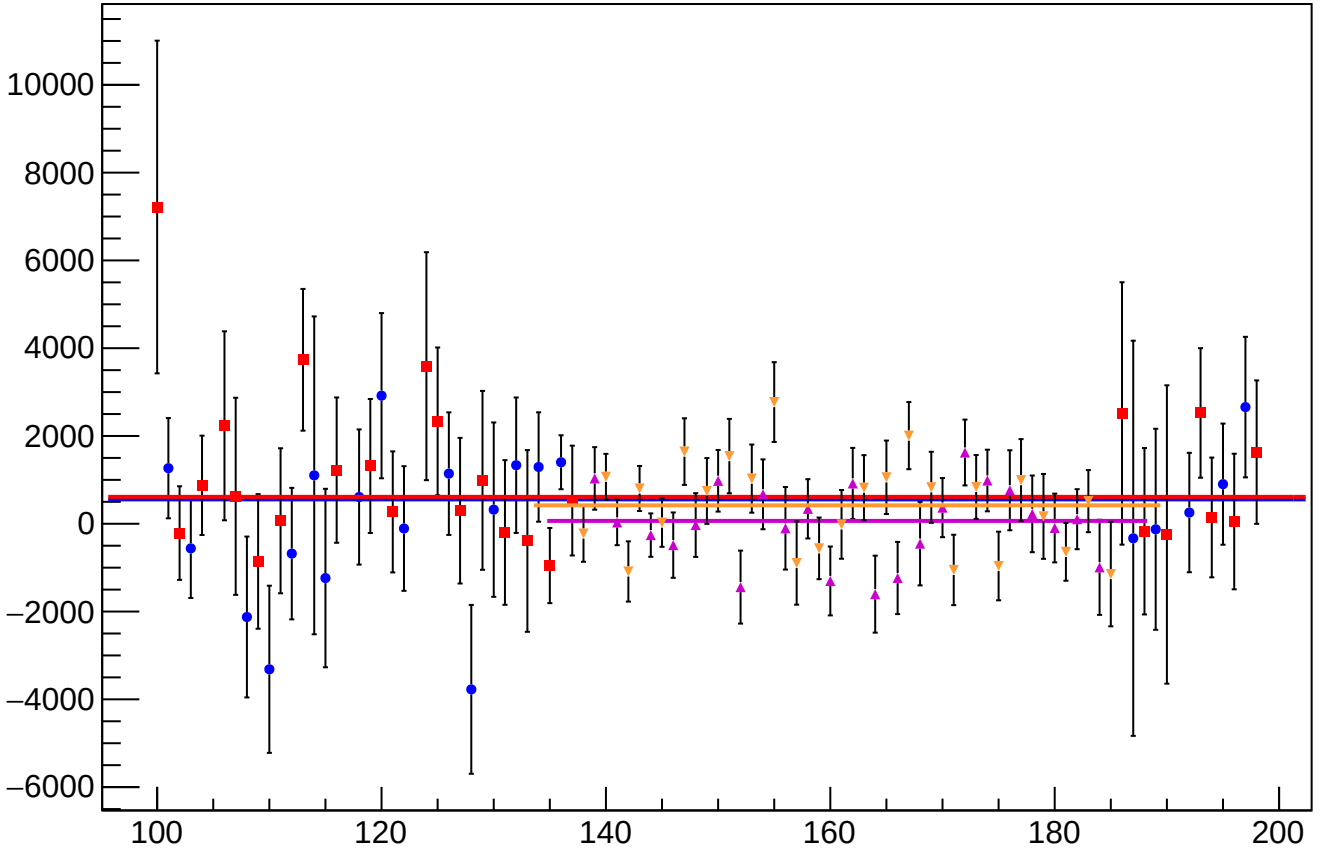
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.725+/-0.173 χ^2/NDF: 772839.2/45

All: 1335.358+/-0.122 χ^2/NDF: 1002552.5/94

- sign 1336.949+/-0.171 χ^2/NDF: 229537.8/48

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 555.881+/-308.220 χ^2/NDF: 20.6/20

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 613.353+/-306.934 χ^2/NDF: 18.6/25

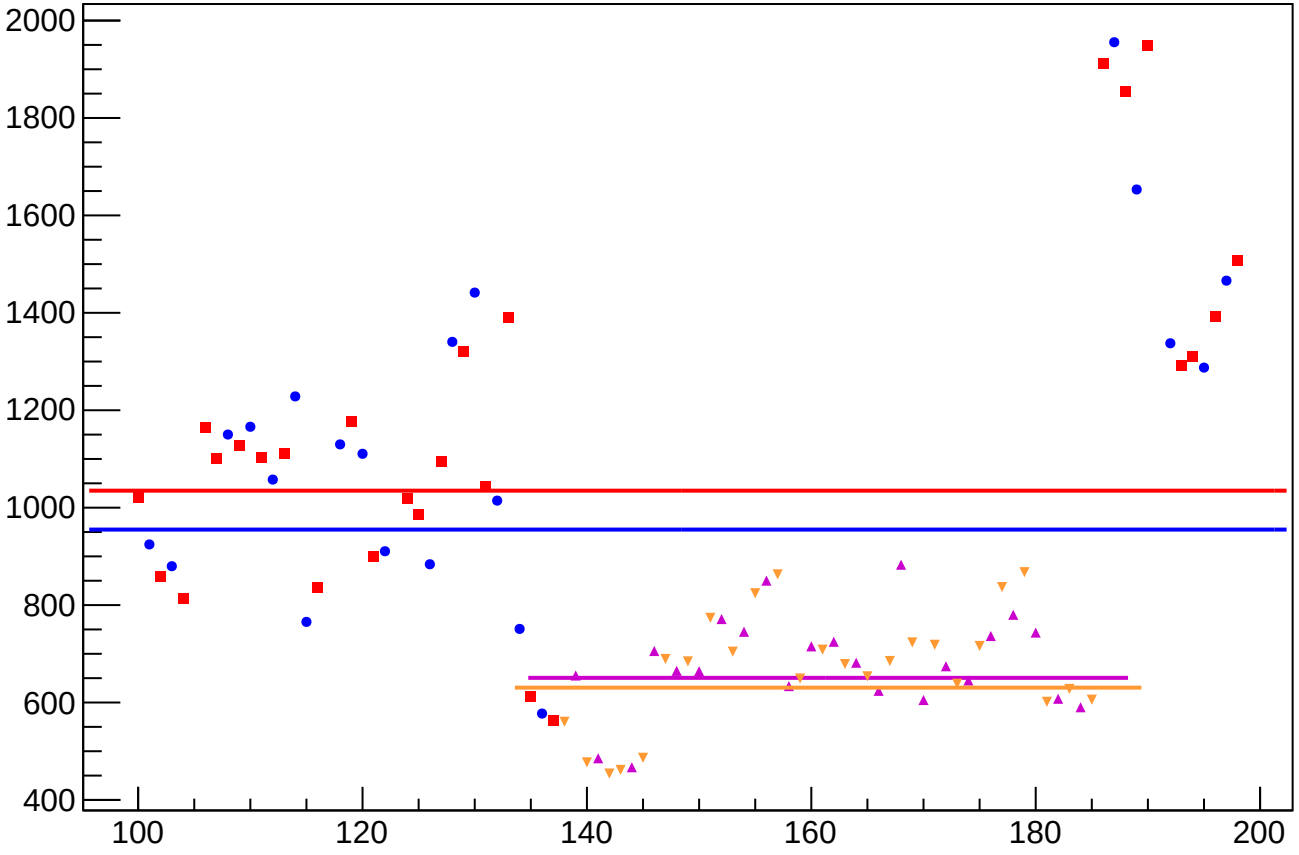
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 444.940+/-132.267 χ^2/NDF: 62.3/45

All: 315.917+/-95.425 χ^2/NDF: 112.5/94

- sign 175.861+/-137.806 χ^2/NDF: 48.2/48

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 955.016+/-0.218 χ^2/NDF: 1916128.5/20

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1034.912+/-0.217 χ^2/NDF: 2204411.7/25

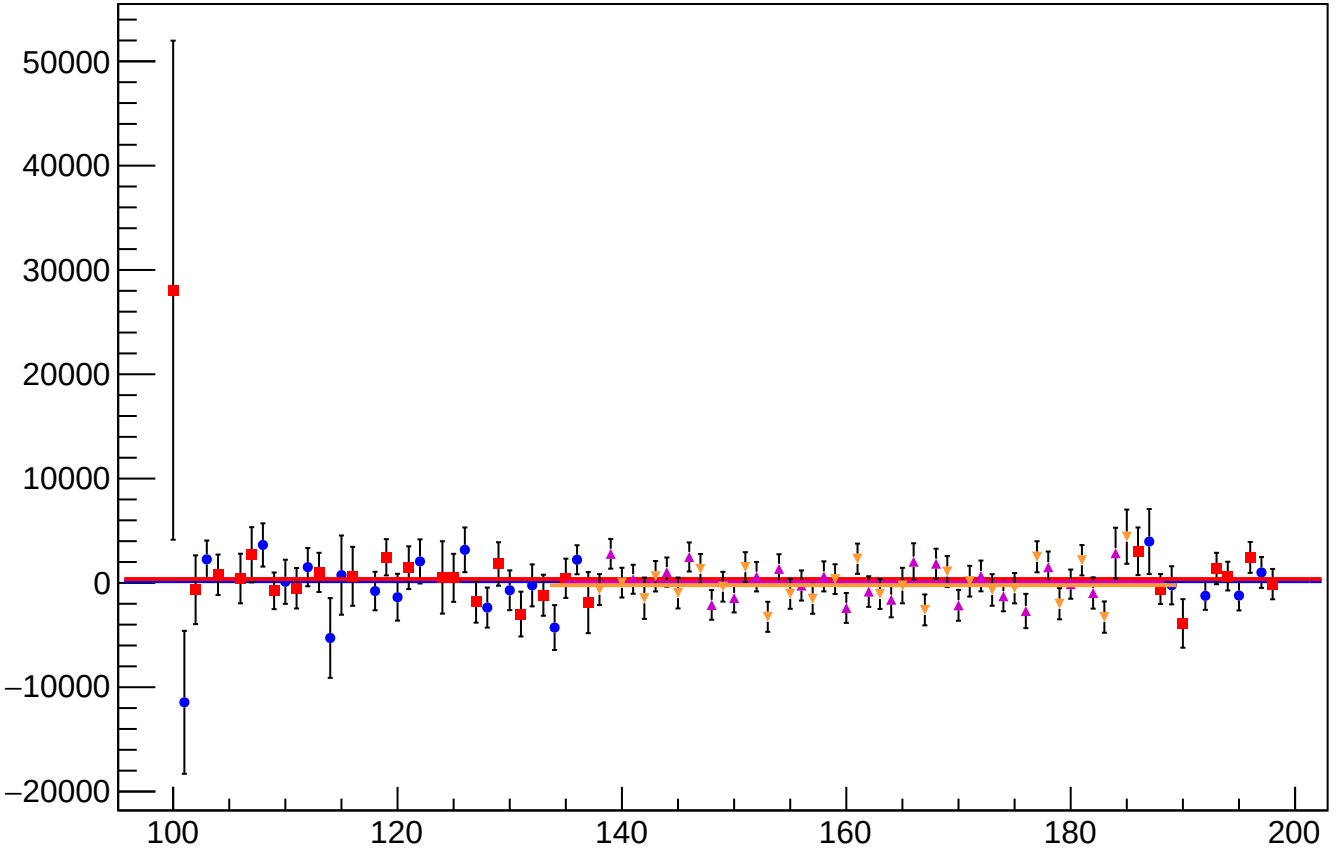
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

\+ sign 690.336+/-0.094 χ^2/NDF: 5052492.7/45

All: 708.443+/-0.067 χ^2/NDF: 10760135.0/94

\- sign 728.099+/-0.097 χ^2/NDF: 5629470.3/48

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 169.626+/-423.144 χ^2/NDF: 25.4/20

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 367.684+/-388.246 χ^2/NDF: 17.8/25

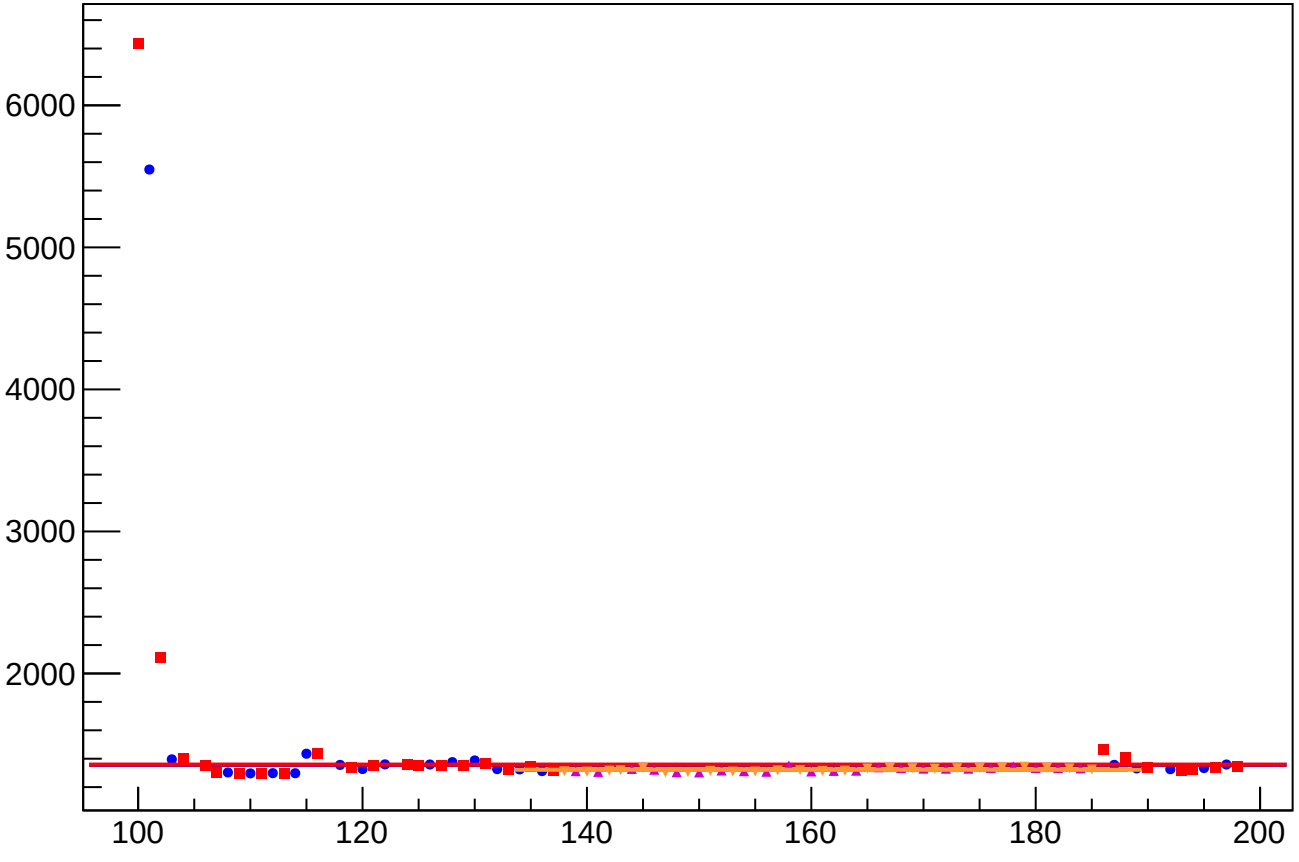
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -86.146+/-244.939 χ^2/NDF: 57.3/45

All: 45.288+/-172.065 χ^2/NDF: 103.9/94

- sign 173.339+/-241.766 χ^2/NDF: 46.0/48

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.259+/-0.299 χ^2/NDF: 761376.5/20

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

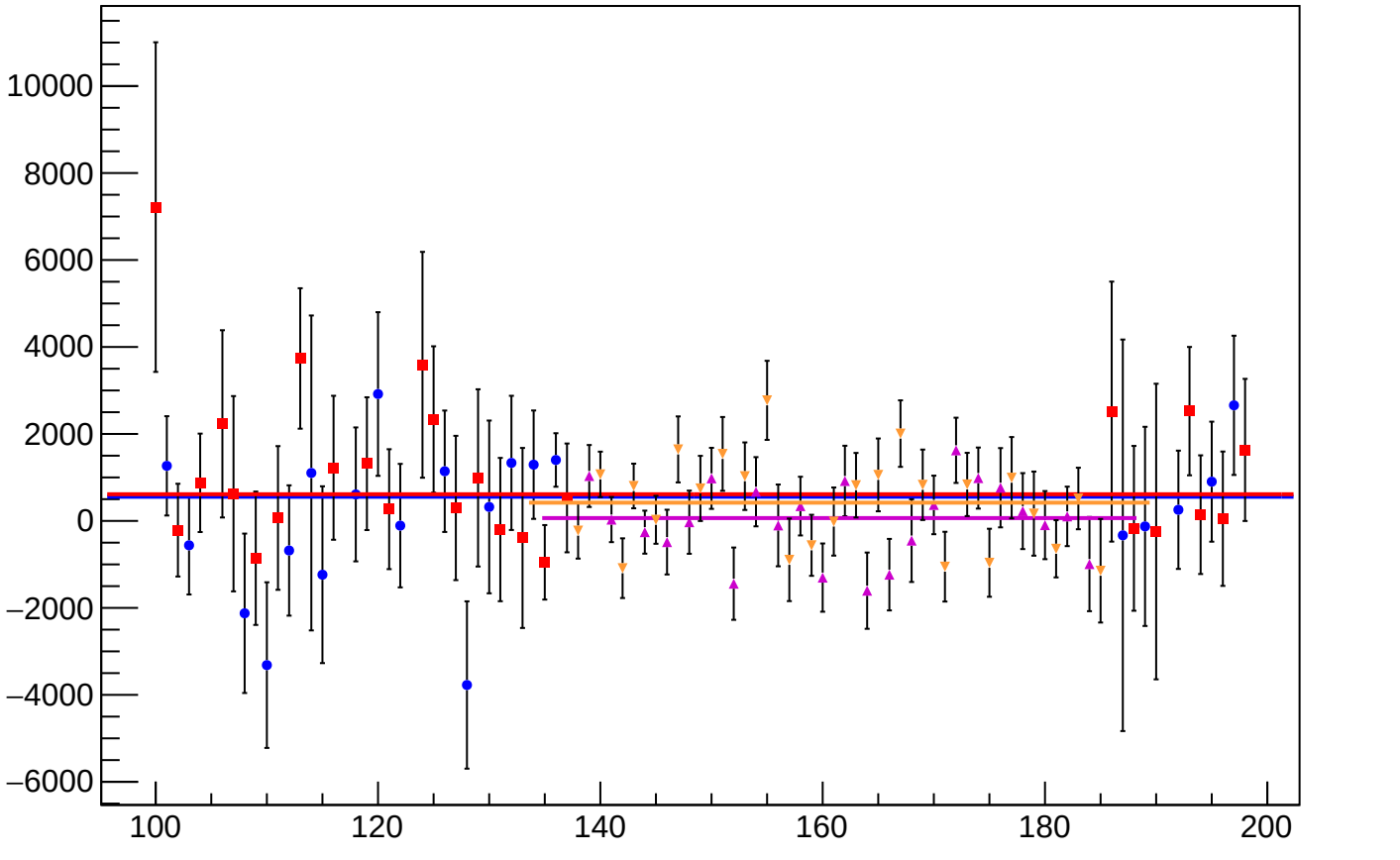
Right Out: 1358.439+/-0.275 χ^2/NDF: 215672.4/25

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.725+/-0.173 χ^2/NDF: 772839.2/45

All: 1335.358+/-0.122 χ^2/NDF: 1002552.4/94

- sign 1336.949+/-0.171 χ^2/NDF: 229537.7/48



Right In: 555.879+/-308.219 χ^2/NDF: 20.6/20

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 613.353+/-306.933 χ^2/NDF: 18.6/25

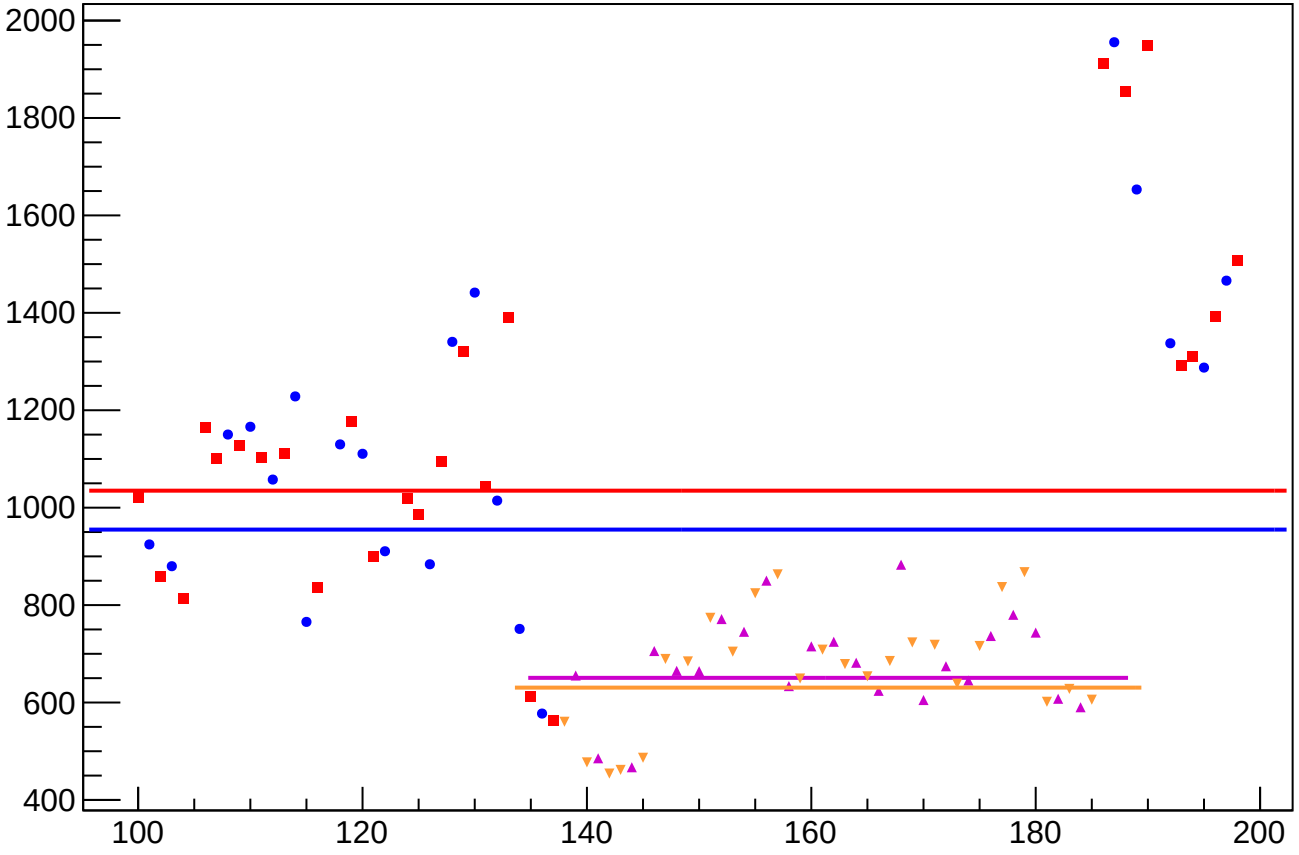
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 444.940+/-132.267 χ^2/NDF: 62.3/45

All: 315.917+/-95.425 χ^2/NDF: 112.5/94

- sign 175.861+/-137.806 χ^2/NDF: 48.2/48

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 955.013+/-0.218 χ^2/NDF: 1916128.9/20

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1034.910+/-0.217 χ^2/NDF: 2204413.1/25

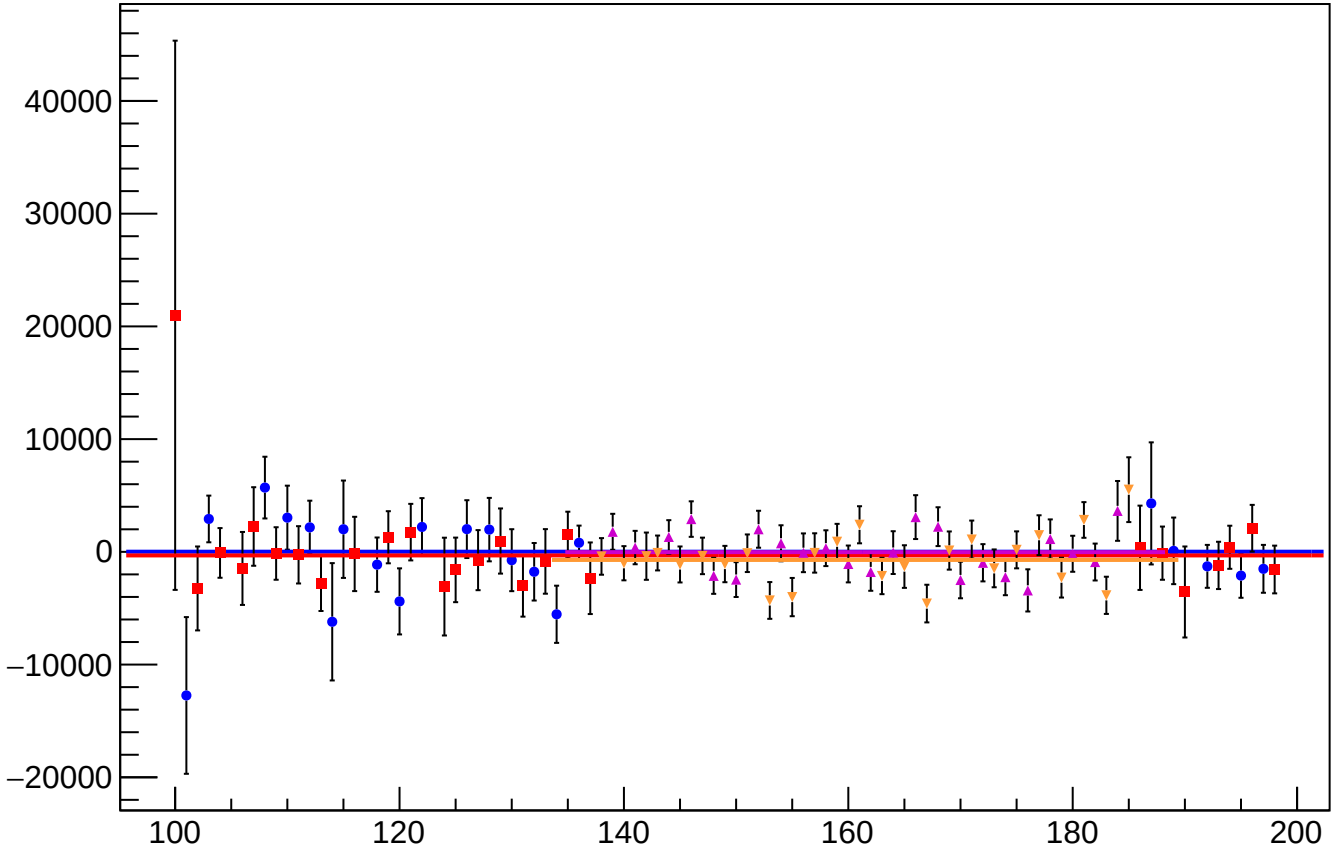
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

\+ sign 690.336+/-0.094 χ^2/NDF: 5052485.0/45

All: 708.444+/-0.067 χ^2/NDF: 10760105.8/94

\- sign 728.100+/-0.097 χ^2/NDF: 5629446.6/48

asym_usr_atr1_dd_mean vs Slug



Right In: 14.172+/-552.392 χ^2/NDF: 26.0/20

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -317.163+/-520.218 χ^2/NDF: 10.0/25

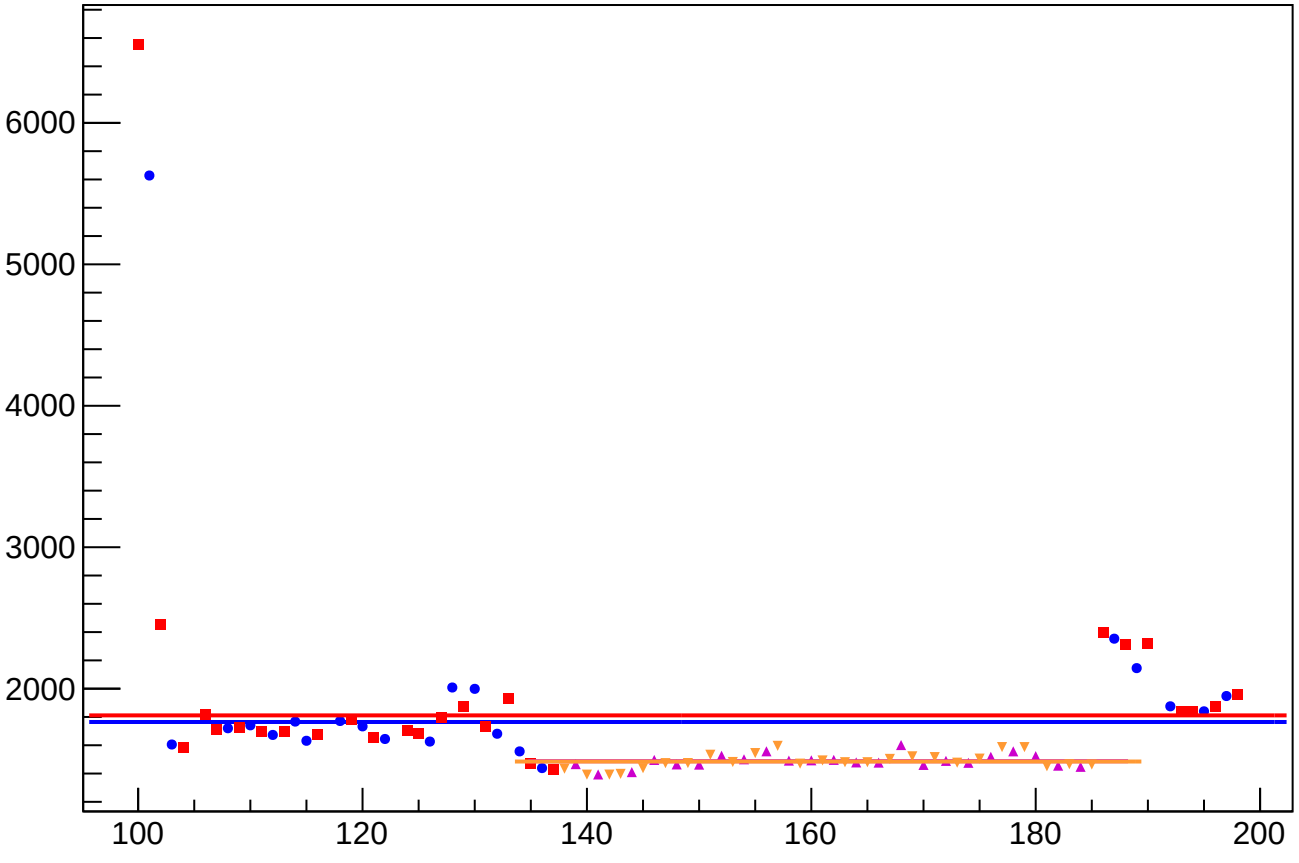
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -519.123+/-288.048 χ^2/NDF: 65.0/45

All: -318.590+/-203.985 χ^2/NDF: 104.1/94

- sign -116.851+/-288.912 χ^2/NDF: 38.2/48

asym_usr_atr1_dd_rms vs Slug



Right In: 1764.464+/-0.391 χ^2/NDF: 863804.9/20

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1811.185+/-0.368 χ^2/NDF: 458106.4/25

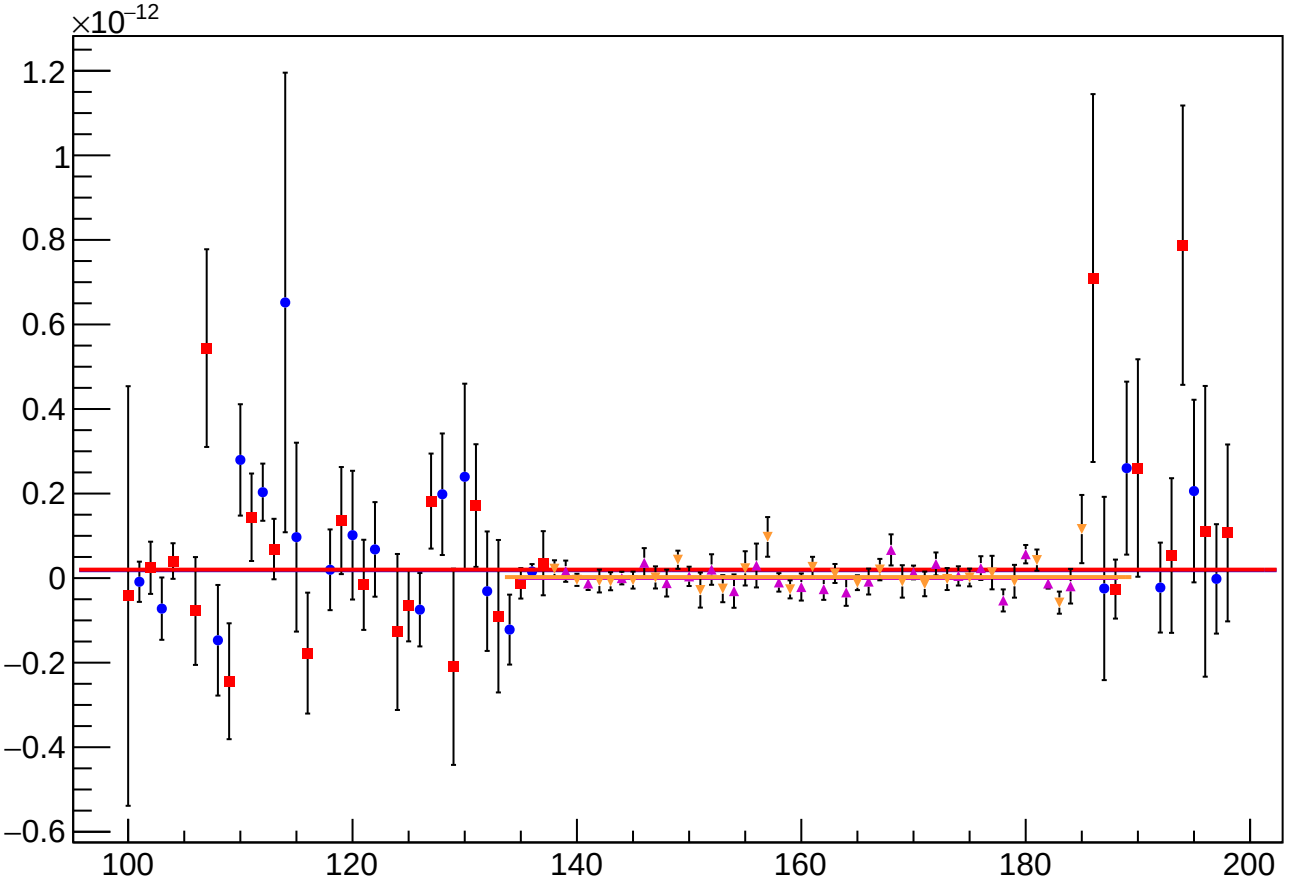
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1560.962+/-0.204 χ^2/NDF: 1287522.9/45

All: 1573.975+/-0.144 χ^2/NDF: 2325394.7/94

- sign 1587.067+/-0.204 χ^2/NDF: 1029682.8/48

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/25

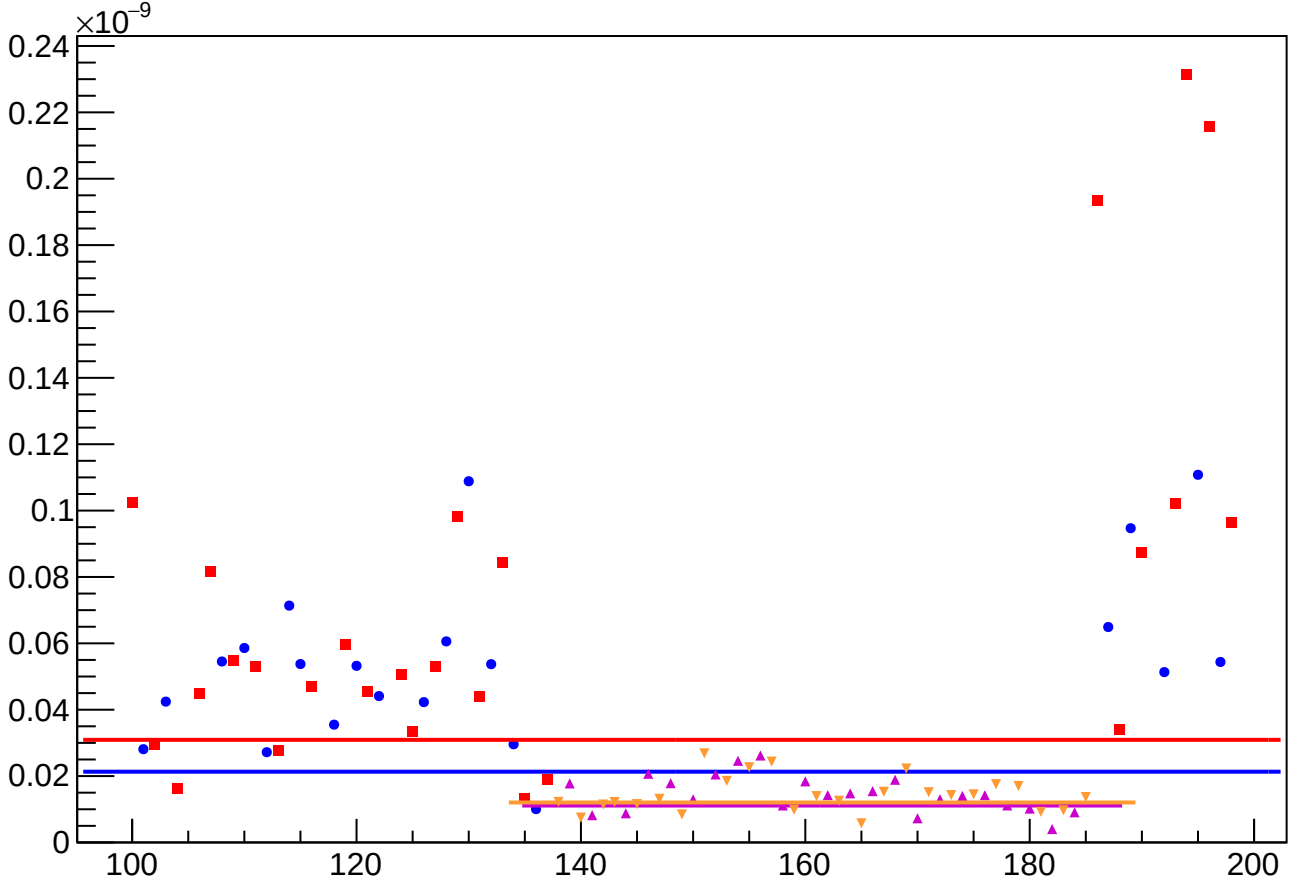
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/45

All: 0.000+/-0.000 χ^2/NDF: 109.6/94

- sign 0.000+/-0.000 χ^2/NDF: 56.9/48

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3280866.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

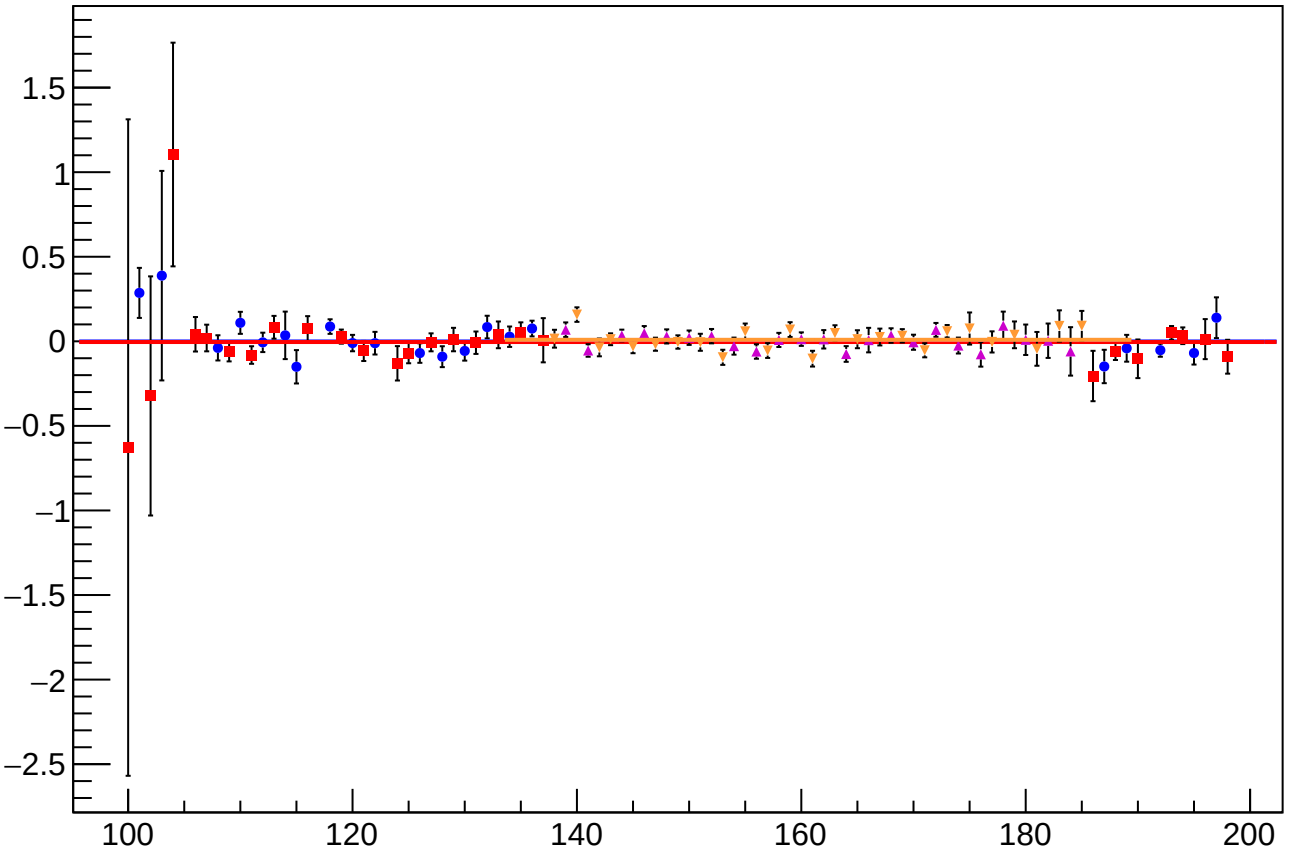
Right Out: 0.000+/-0.000 χ^2/NDF: 3907538.1/25

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5574316.3/45

All: 0.000+/-0.000 χ^2/NDF: 13929477.2/94

- sign 0.000+/-0.000 χ^2/NDF: 8337137.5/48



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/25

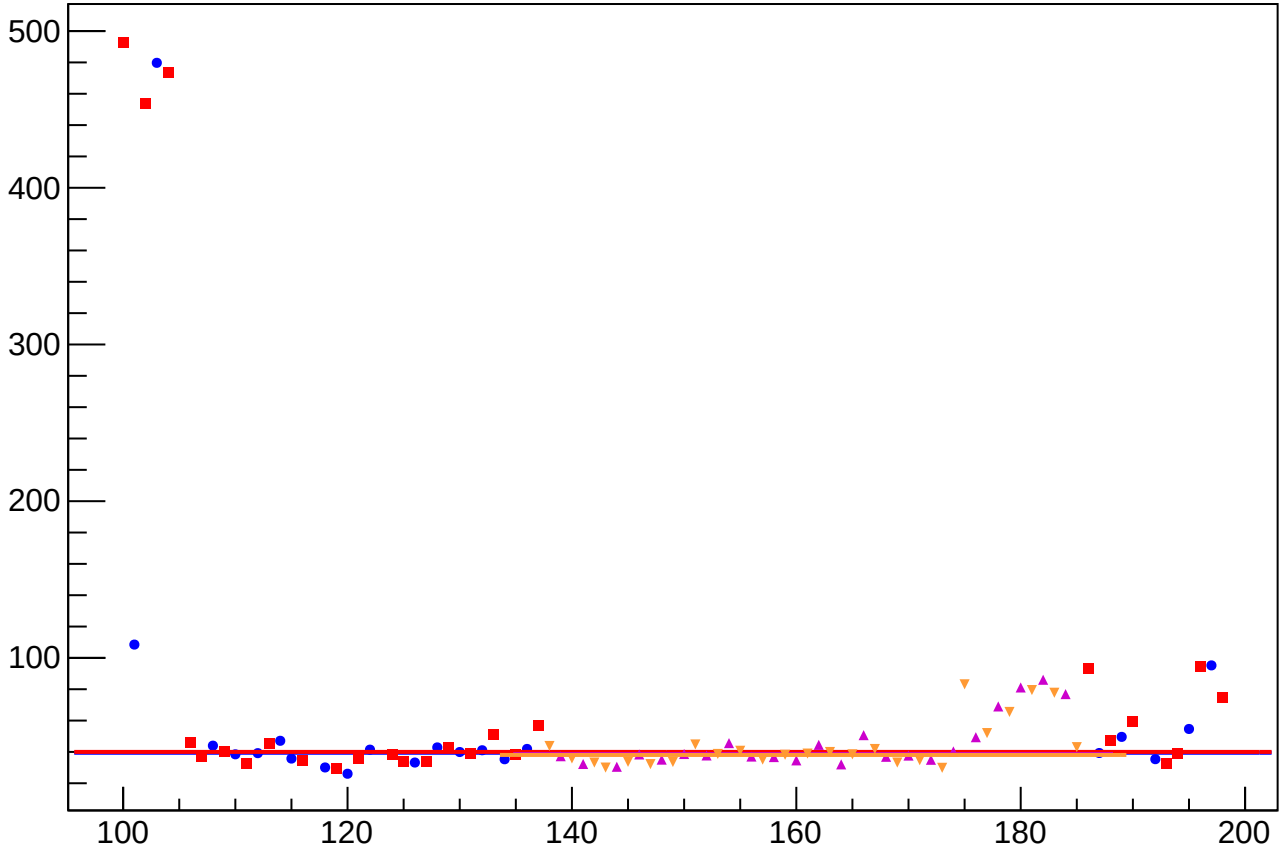
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.5/45

All: 0.005+/-0.006 χ^2/NDF: 109.7/94

- sign 0.004+/-0.008 χ^2/NDF: 41.2/48

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 39.458+/-0.010 χ^2/NDF: 2339763.8/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

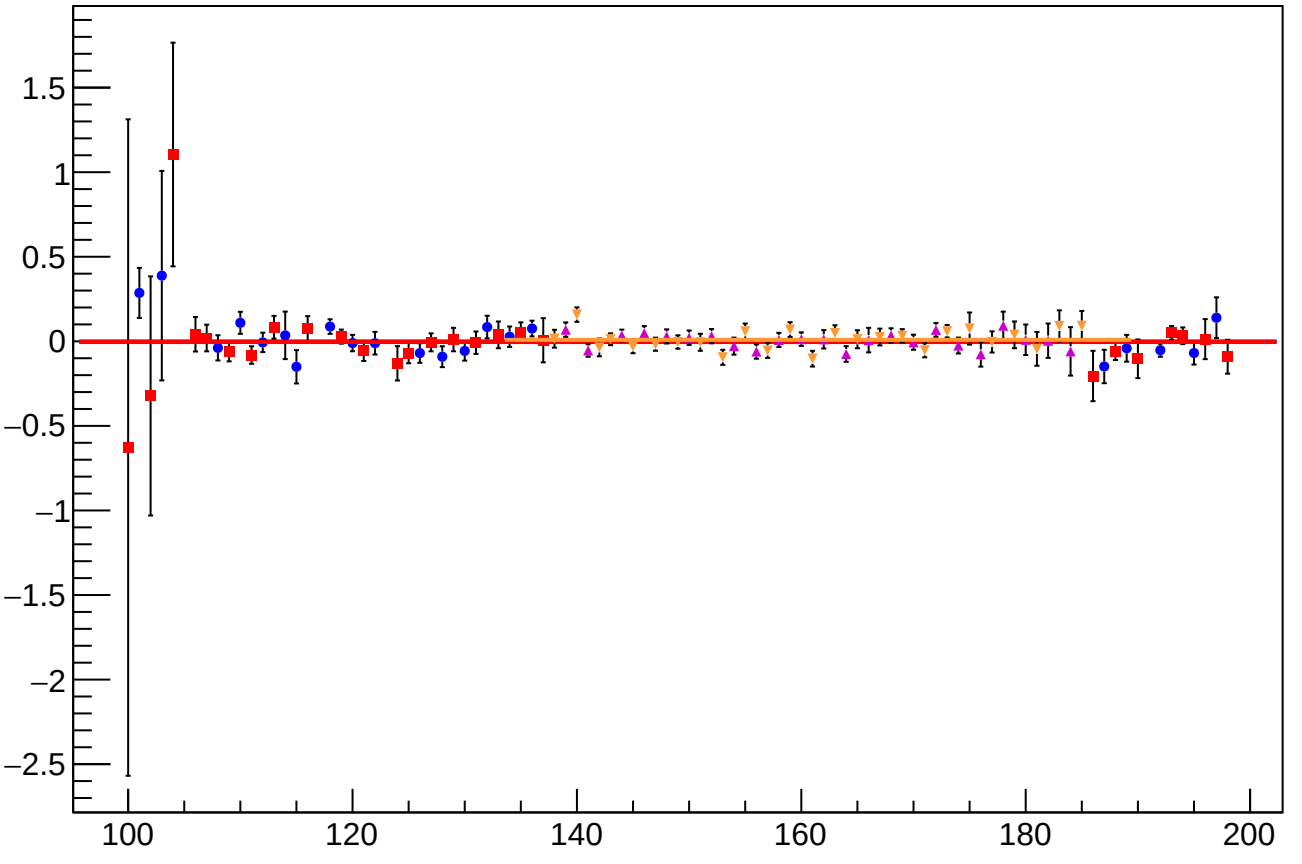
Right Out: 40.009+/-0.009 χ^2/NDF: 3084254.7/25

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.513+/-0.006 χ^2/NDF: 4320429.6/45

All: 38.813+/-0.004 χ^2/NDF: 9151902.8/94

- sign 39.119+/-0.006 χ^2/NDF: 4825638.0/48



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

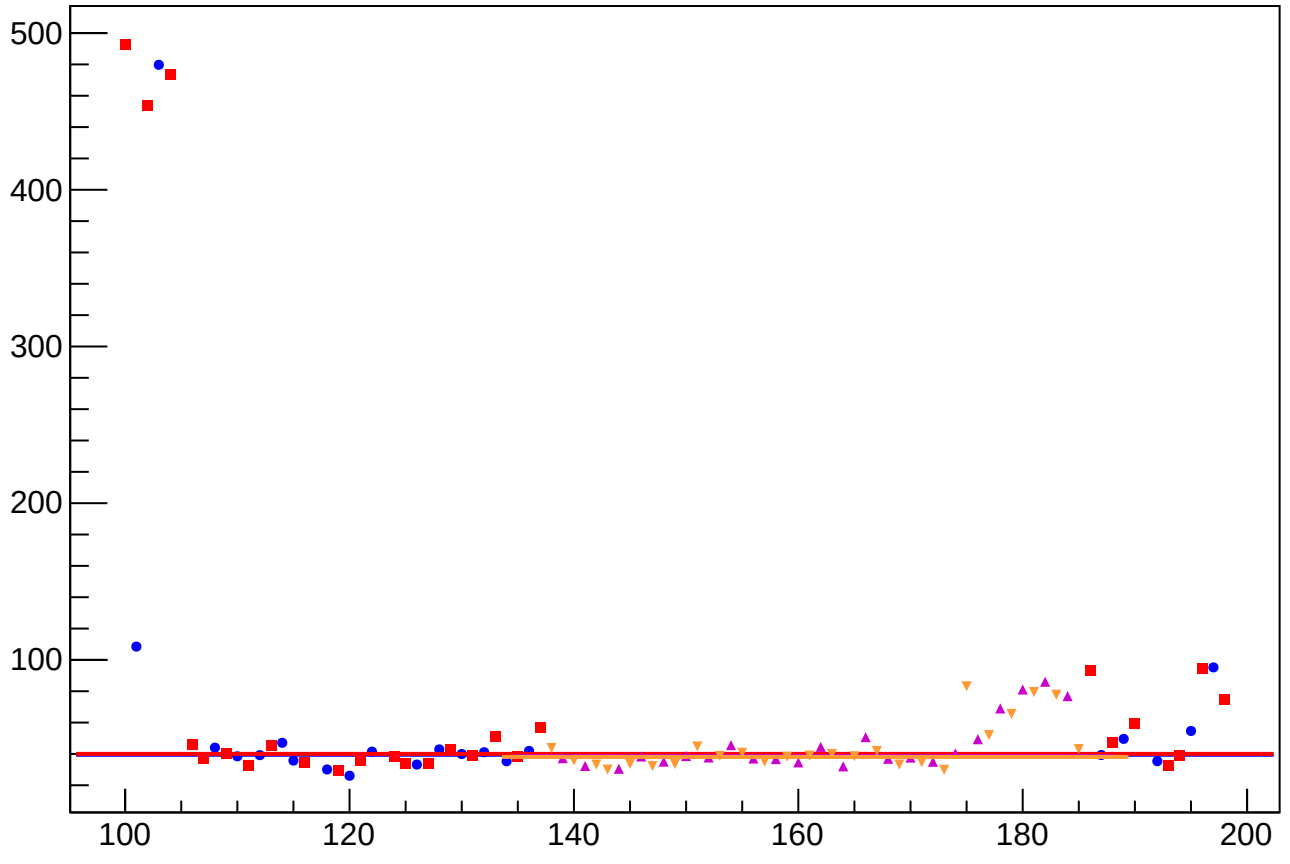
Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/25

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.5/45

All: 0.005+/-0.006 χ^2/NDF: 109.7/94

- sign 0.004+/-0.008 χ^2/NDF: 41.2/48



Right In: 39.458+/-0.010 χ^2/NDF: 2339763.8/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

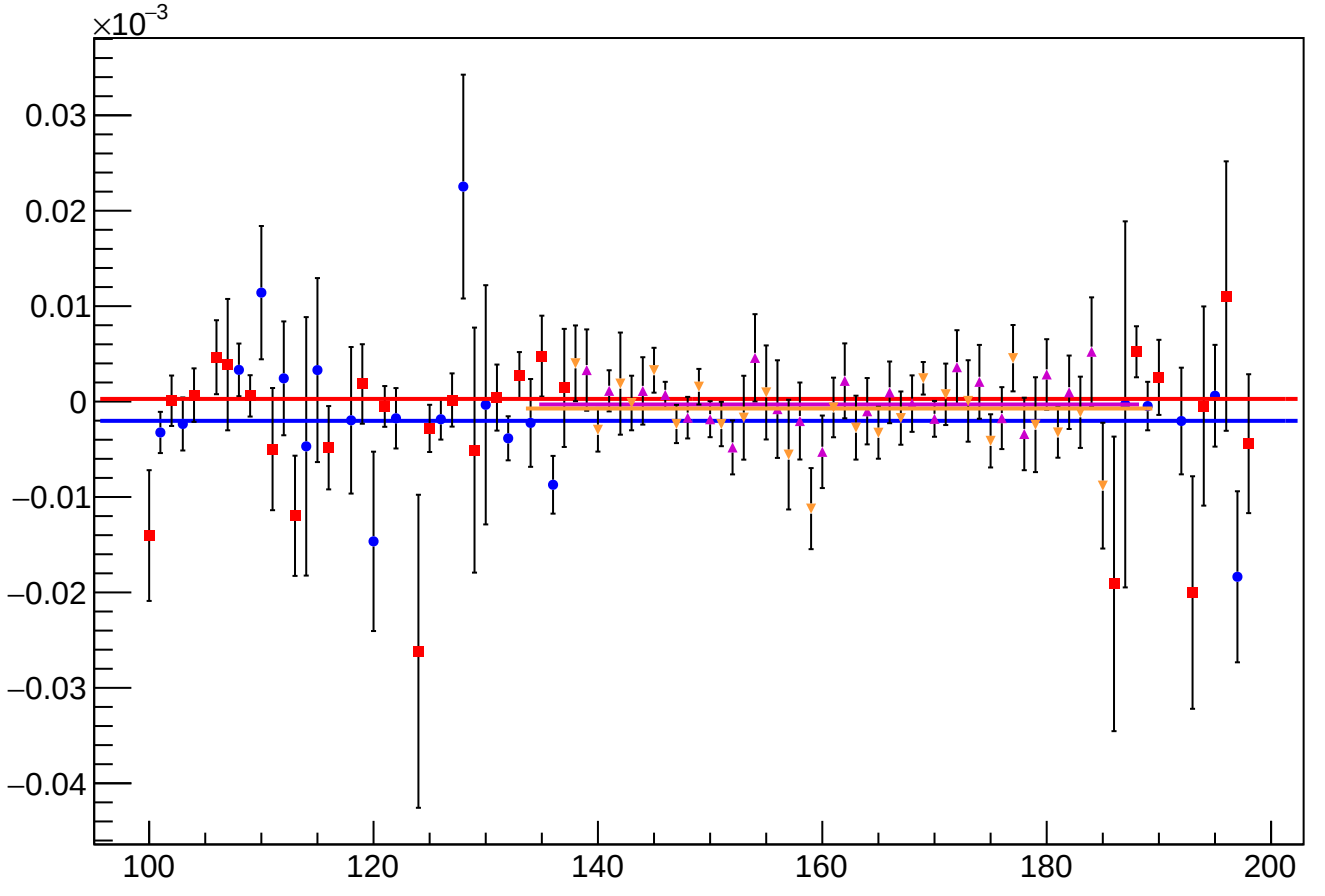
Right Out: 40.009+/-0.009 χ^2/NDF: 3084254.7/25

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.513+/-0.006 χ^2/NDF: 4320429.6/45

All: 38.813+/-0.004 χ^2/NDF: 9151902.8/94

\- sign 39.119+/-0.006 χ^2/NDF: 4825638.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/25

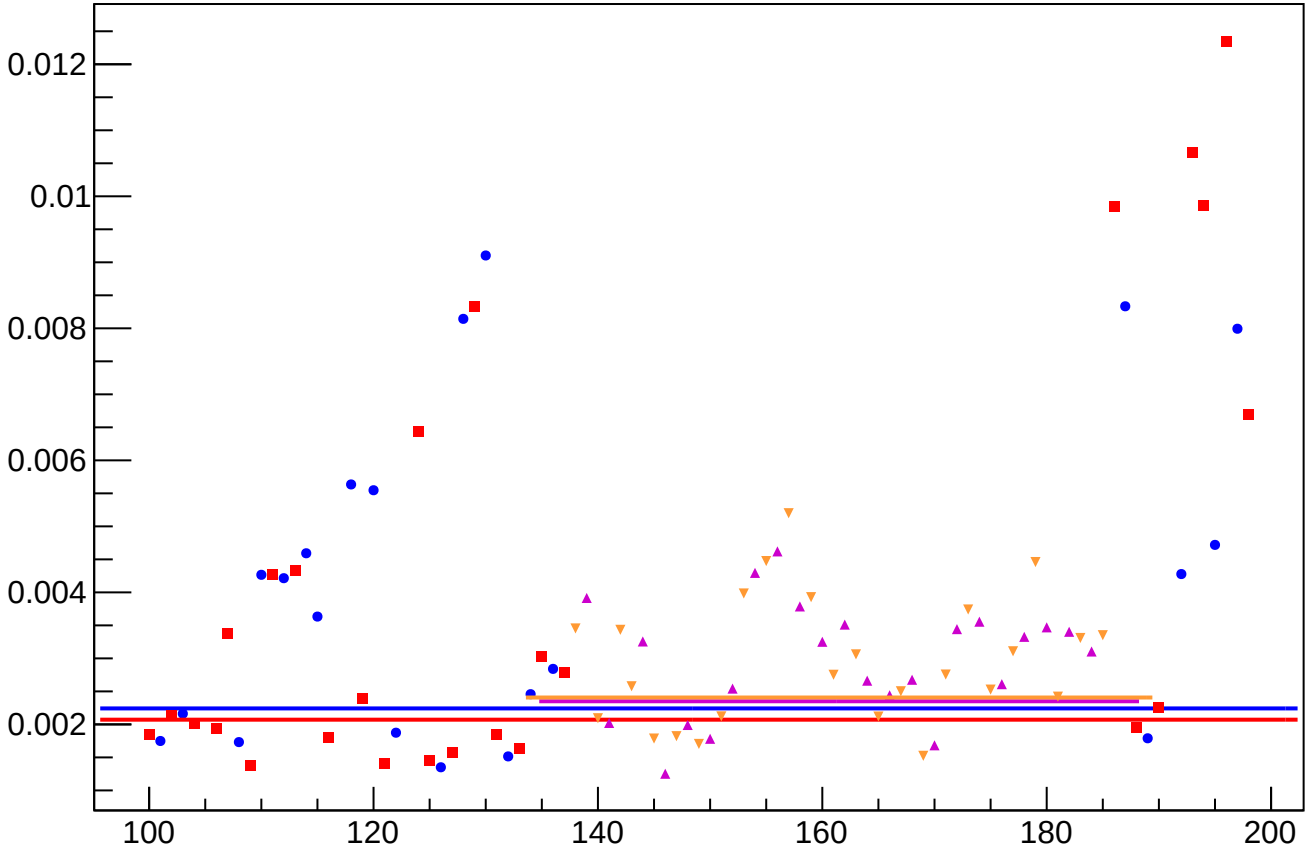
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.6/45

All: -0.000+/-0.000 χ^2/NDF: 97.1/94

- sign -0.000+/-0.000 χ^2/NDF: 41.8/48

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4849815.7/20

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

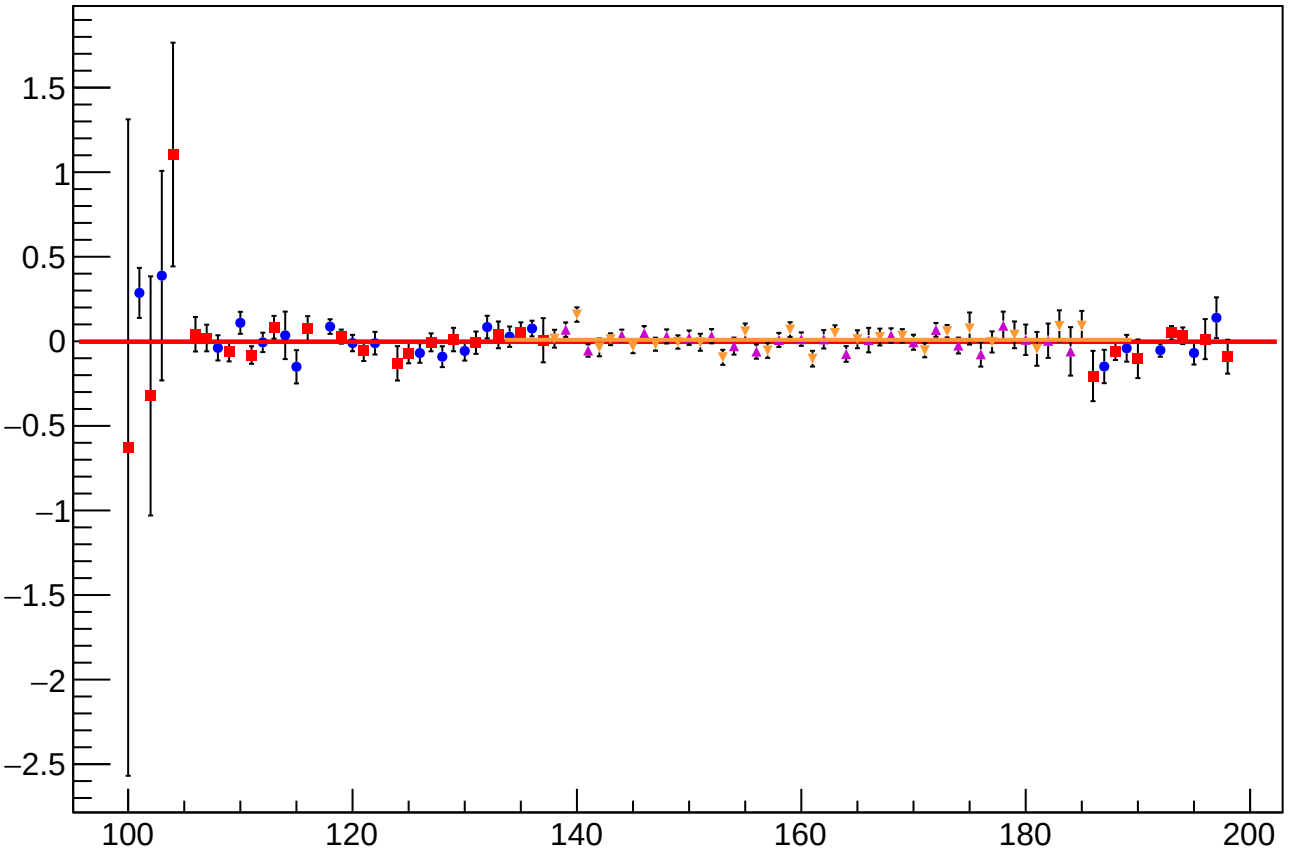
Right Out: 0.002+/-0.000 χ^2/NDF: 6490542.3/25

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 8586536.5/45

All: 0.002+/-0.000 χ^2/NDF: 19746556.1/94

- sign 0.002+/-0.000 χ^2/NDF: 11103208.4/48



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/25

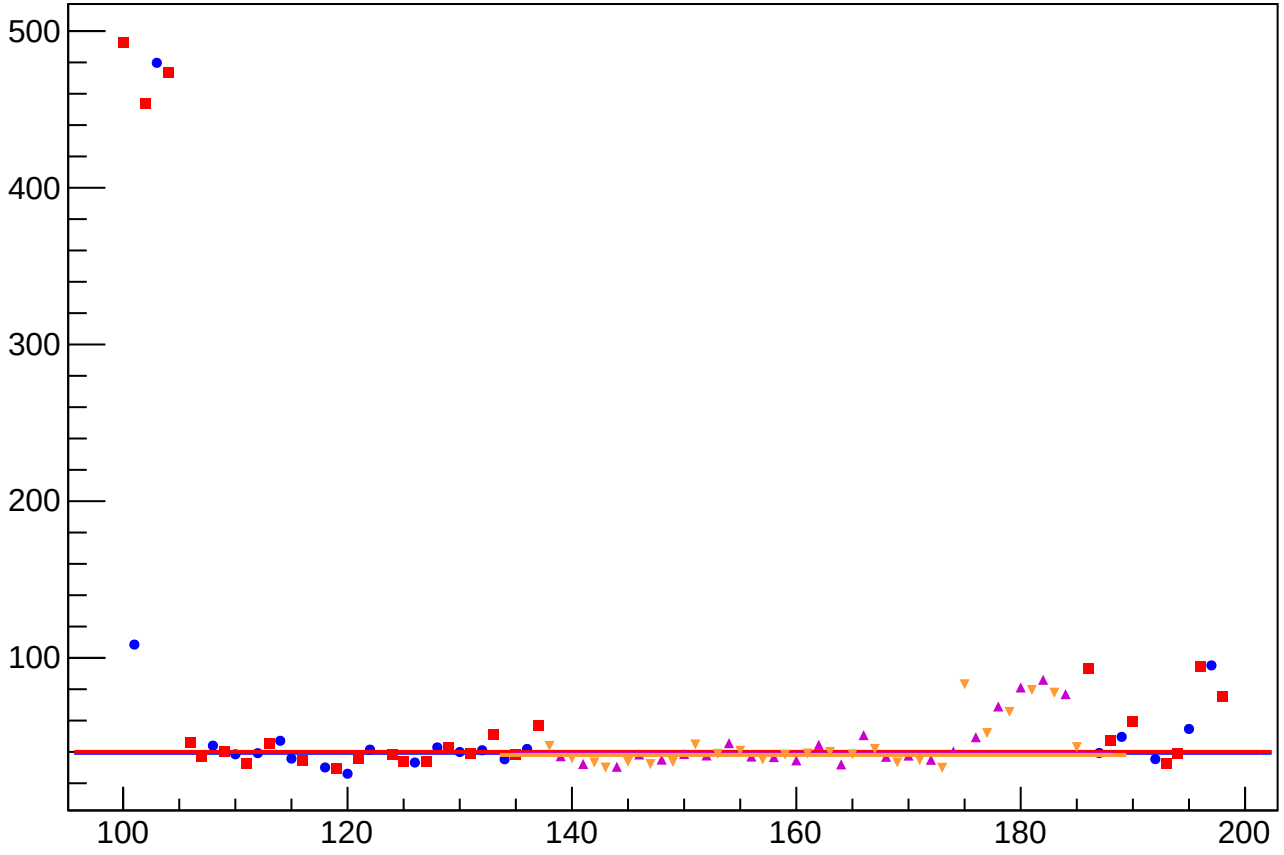
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.5/45

All: 0.005+/-0.006 χ^2/NDF: 109.7/94

- sign 0.004+/-0.008 χ^2/NDF: 41.2/48

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.458+/-0.010 χ^2/NDF: 2339807.7/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

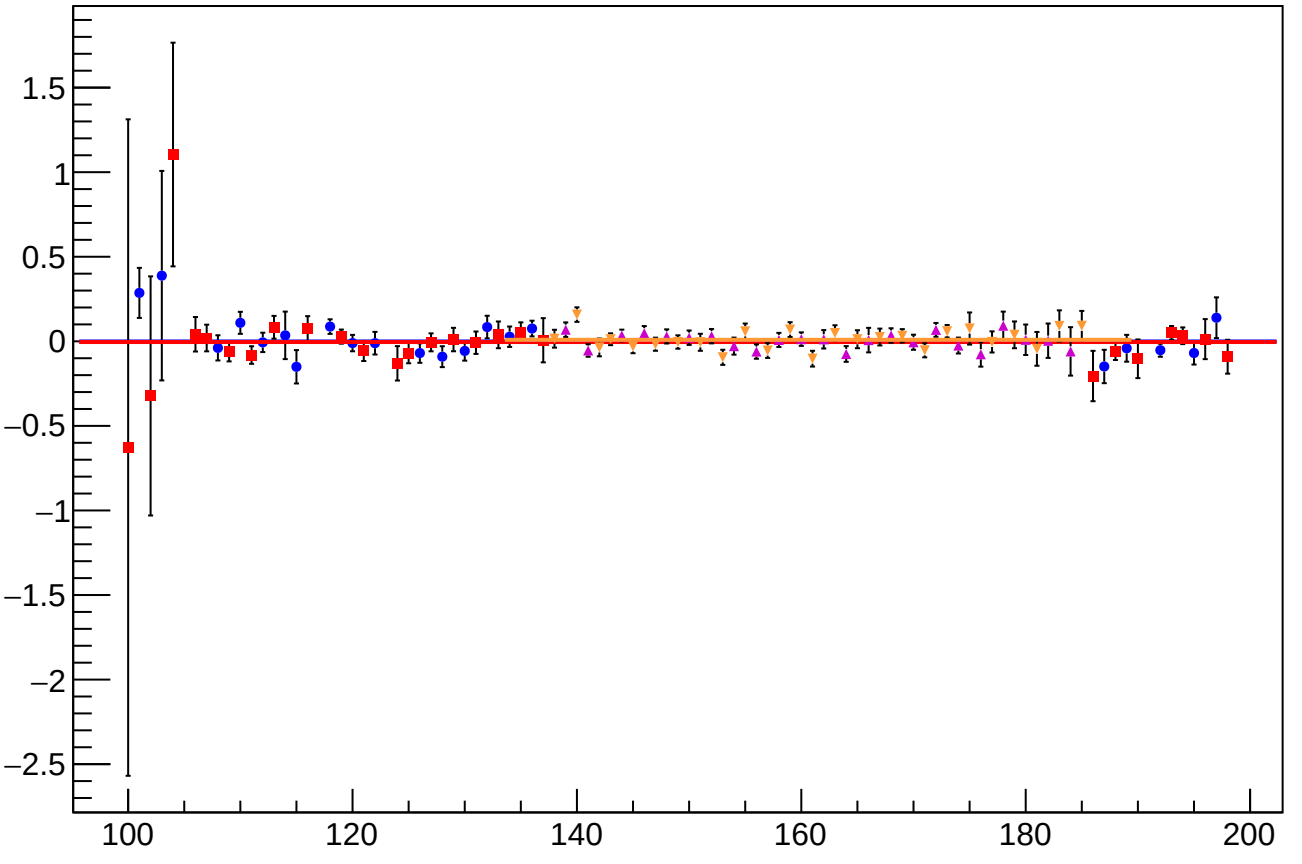
Right Out: 40.006+/-0.009 χ^2/NDF: 3084587.8/25

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.513+/-0.006 χ^2/NDF: 4320455.1/45

All: 38.812+/-0.004 χ^2/NDF: 9152216.1/94

- sign 39.117+/-0.006 χ^2/NDF: 4825945.1/48



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

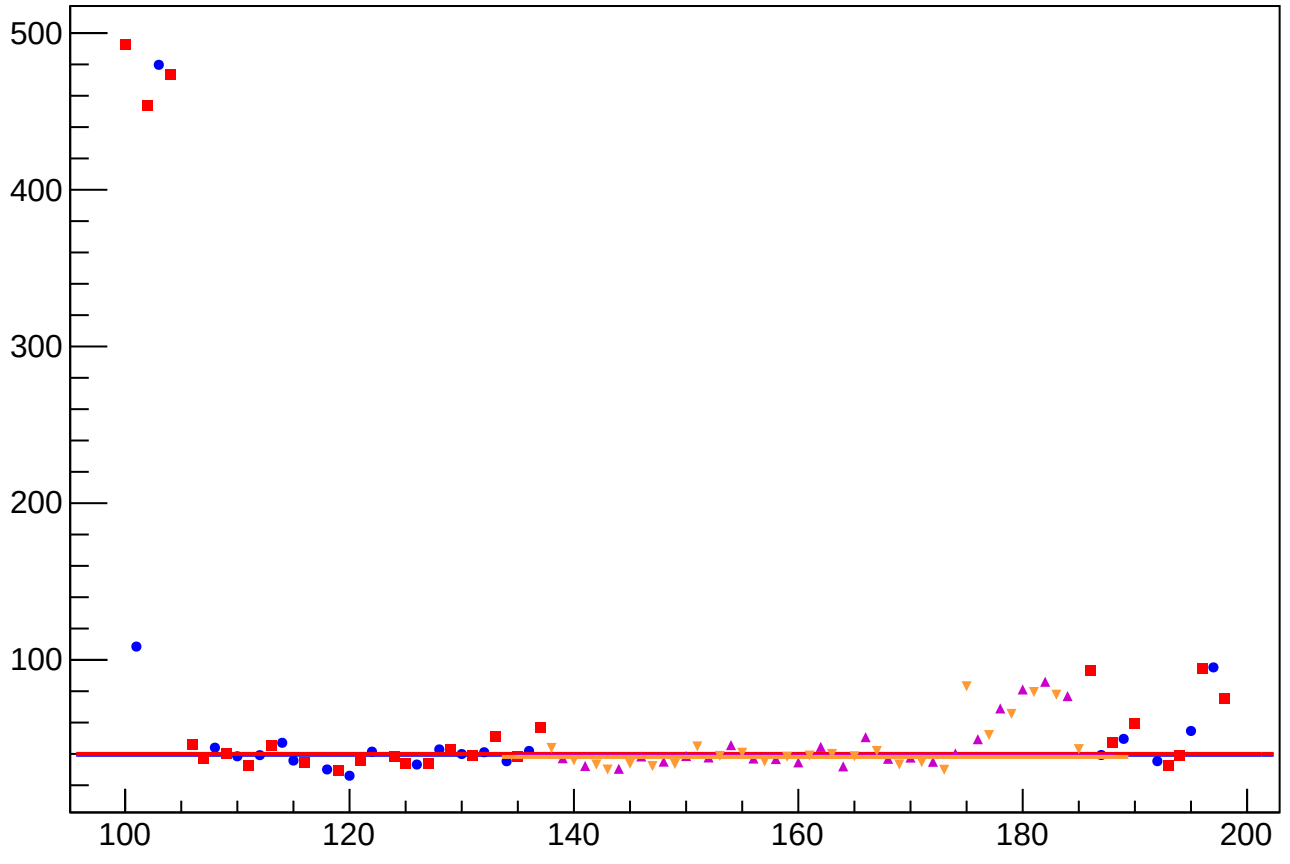
Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/25

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.5/45

All: 0.005+/-0.006 χ^2/NDF: 109.7/94

- sign 0.004+/-0.008 χ^2/NDF: 41.2/48



Right In: 39.458+/-0.010 χ^2/NDF: 2339807.7/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

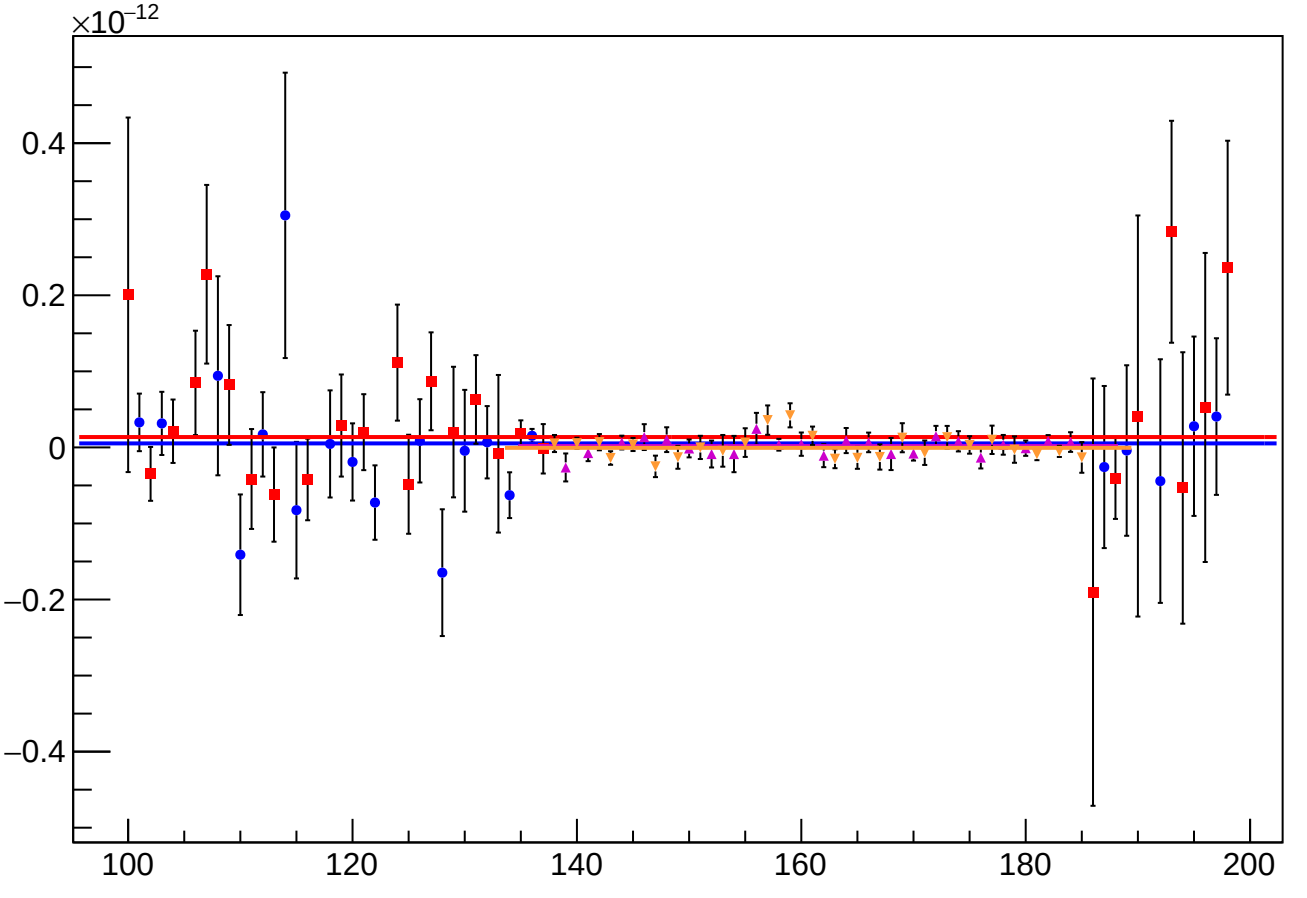
Right Out: 40.006+/-0.009 χ^2/NDF: 3084587.8/25

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.513+/-0.006 χ^2/NDF: 4320455.1/45

All: 38.812+/-0.004 χ^2/NDF: 9152216.1/94

- sign 39.117+/-0.006 χ^2/NDF: 4825945.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

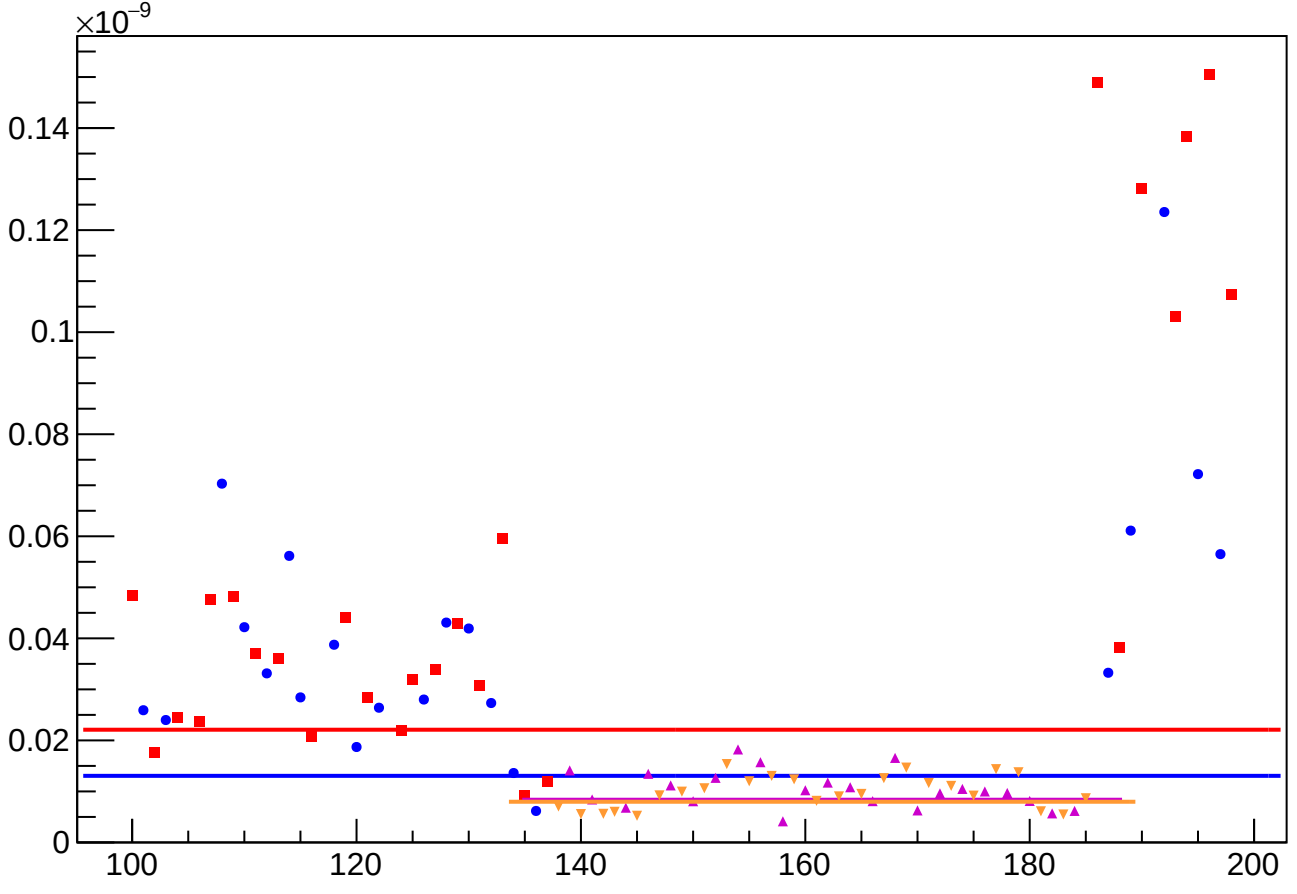
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/25

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.5/45

All: 0.000+/-0.000 χ^2/NDF: 85.8/94

- sign 0.000+/-0.000 χ^2/NDF: 35.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 6157606.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6431746.4/25

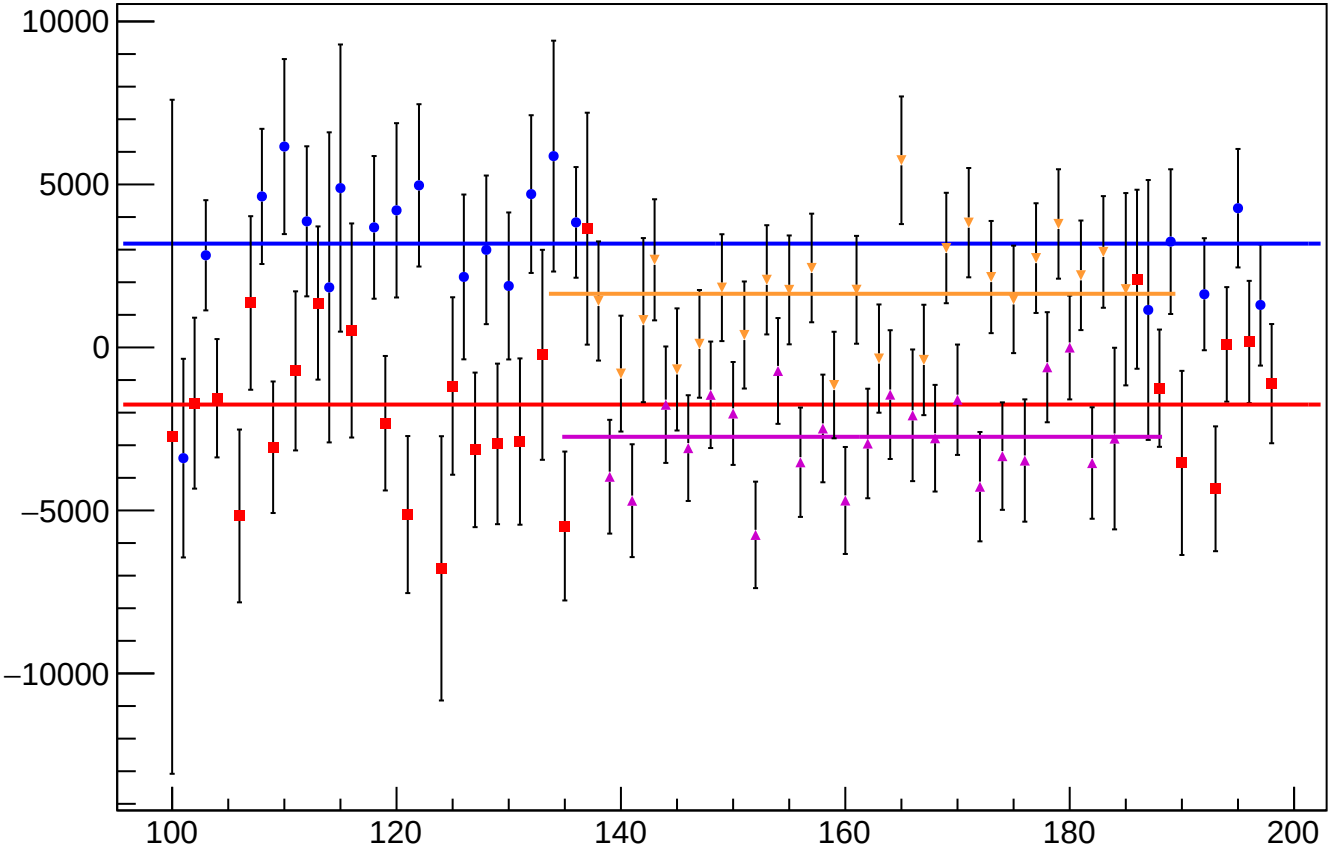
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9824027.9/45

All: 0.000+/-0.000 χ^2/NDF: 22494048.5/94

- sign 0.000+/-0.000 χ^2/NDF: 12576858.0/48

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3184.962+/-502.319 χ^2/NDF: 11.5/20

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1751.774+/-464.068 χ^2/NDF: 22.0/25

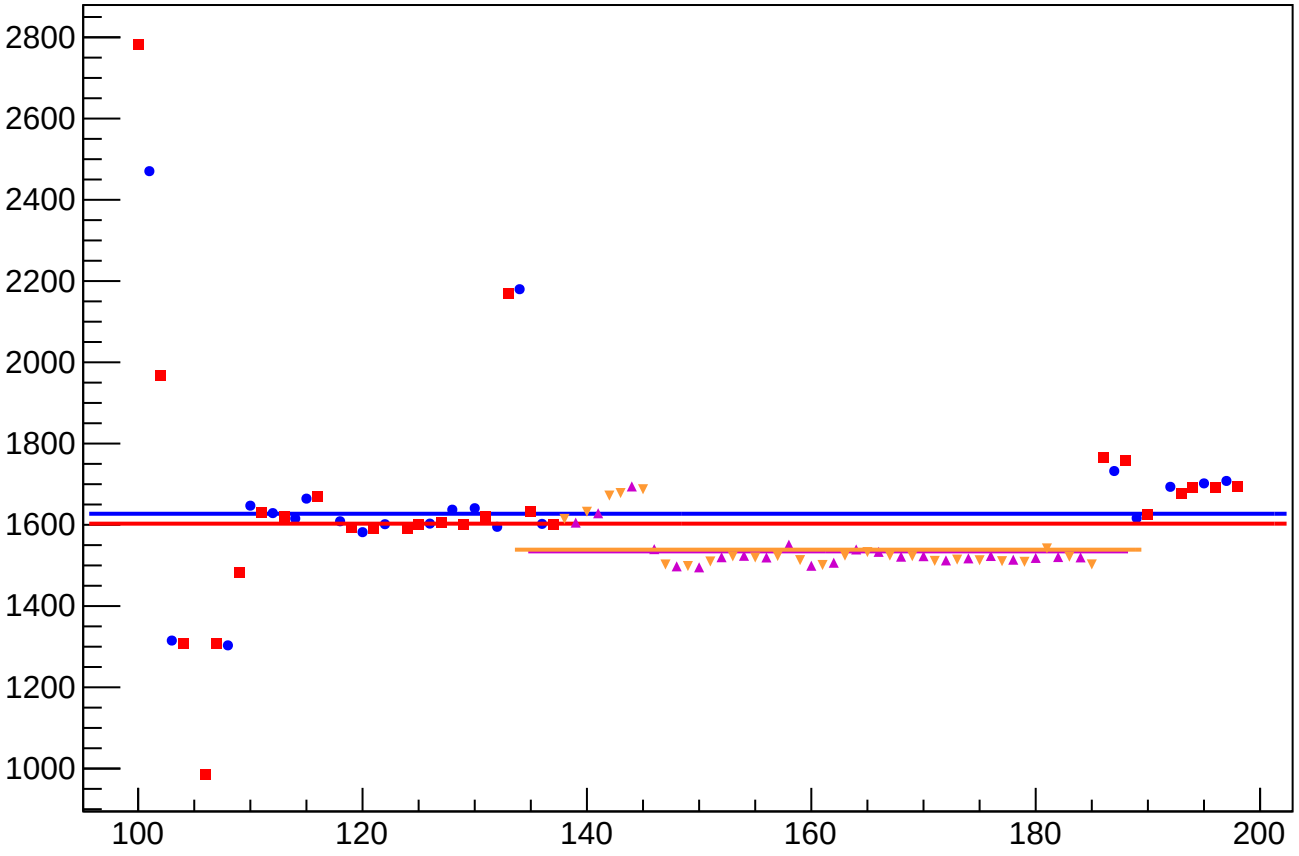
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2148.767+/-287.033 χ^2/NDF: 38.9/45

All: -137.786+/-201.768 χ^2/NDF: 205.6/94

- sign -2371.293+/-283.684 χ^2/NDF: 41.3/48

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1627.220+/-0.355 χ^2/NDF: 332824.7/20

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1602.836+/-0.325 χ^2/NDF: 435903.4/25

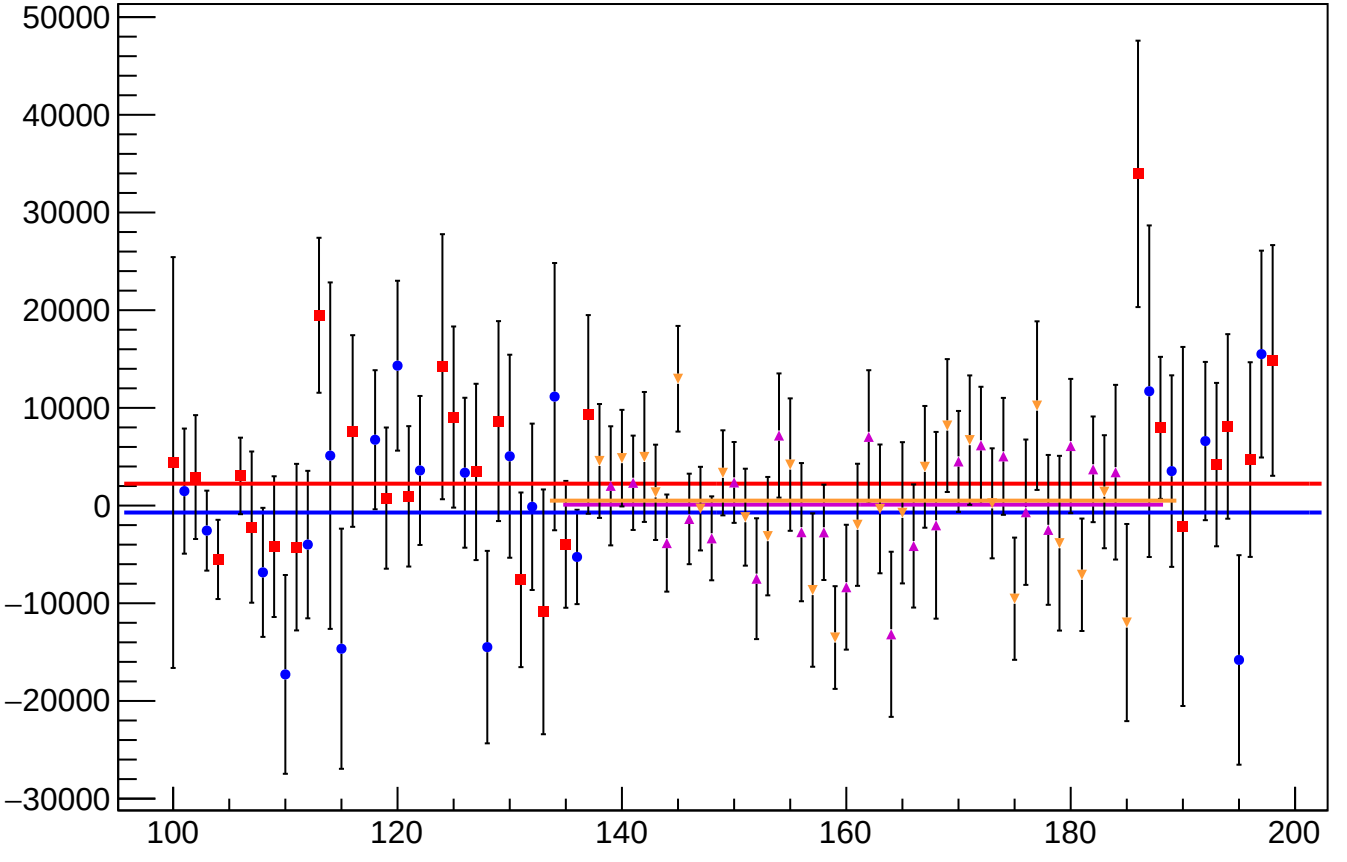
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1567.677+/-0.203 χ^2/NDF: 421606.5/45

All: 1564.005+/-0.142 χ^2/NDF: 916704.5/94

- sign 1560.446+/-0.200 χ^2/NDF: 494453.3/48

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -711.979+/-1716.344 χ^2/NDF: 19.9/20

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2240.885+/-1526.971 χ^2/NDF: 23.7/25

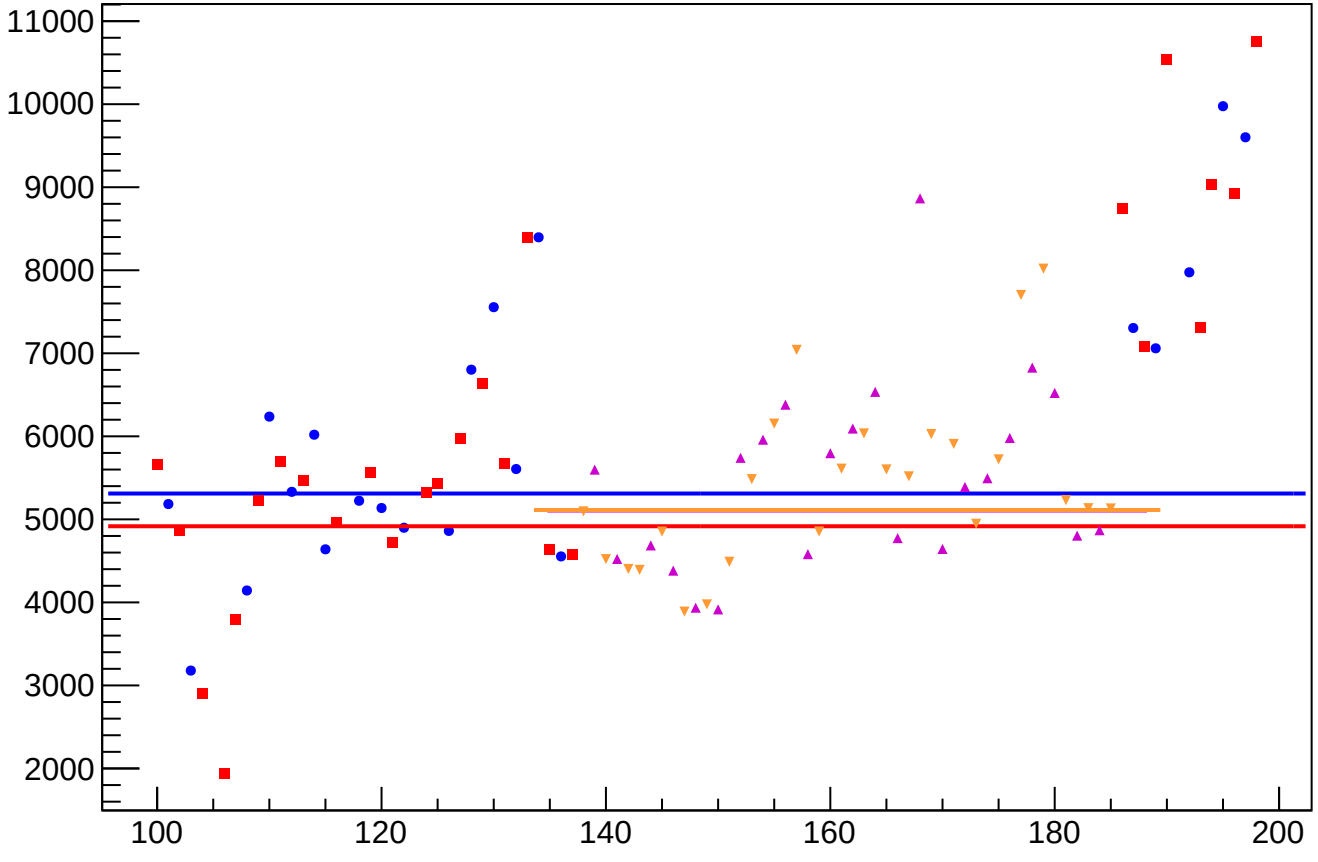
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign 110.337+/-976.441 χ^2/NDF: 47.0/45

All: 531.000+/-681.638 χ^2/NDF: 87.2/94

\- sign 930.857+/-951.987 χ^2/NDF: 39.8/48

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5311.189+/-1.214 χ^2/NDF: 1952656.8/20

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4916.985+/-1.080 χ^2/NDF: 3886982.3/25

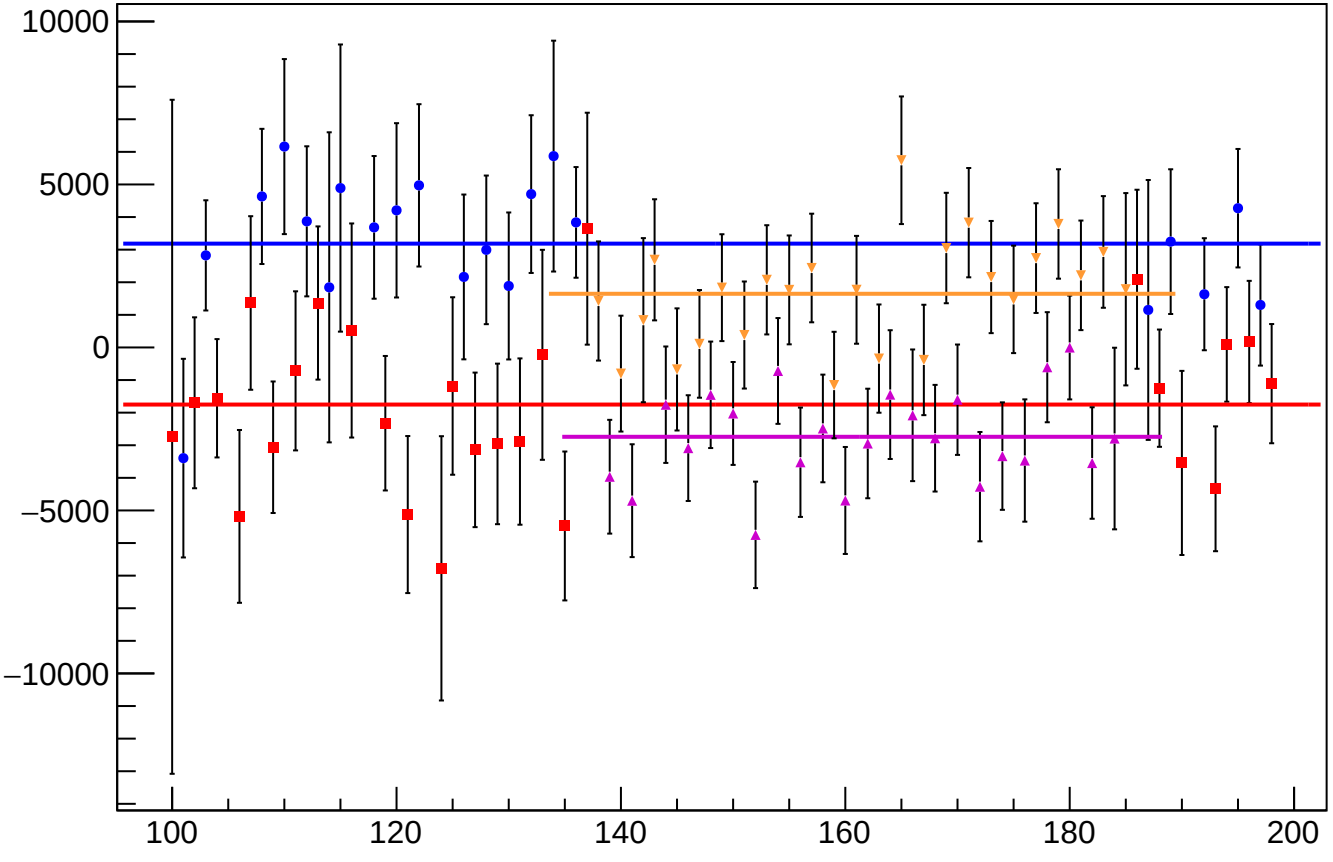
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5177.114+/-0.690 χ^2/NDF: 3129711.9/45

All: 5103.111+/-0.482 χ^2/NDF: 8309534.0/94

- sign 5032.768+/-0.673 χ^2/NDF: 5157414.8/48

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3184.759+/-502.319 χ^2/NDF: 11.5/20

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1751.754+/-464.070 χ^2/NDF: 22.0/25

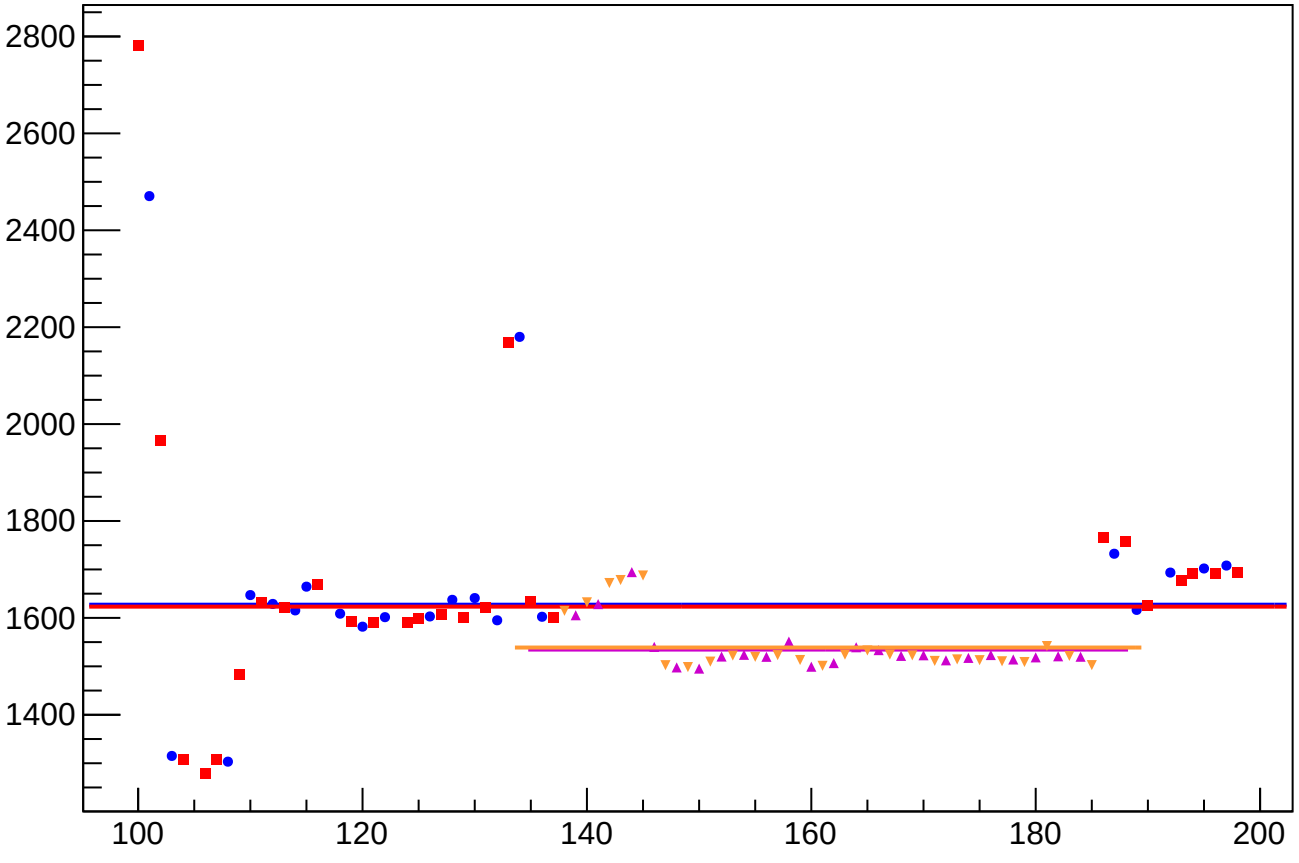
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2148.628+/-287.033 χ^2/NDF: 38.9/45

All: -137.818+/-201.769 χ^2/NDF: 205.6/94

- sign -2371.226+/-283.684 χ^2/NDF: 41.3/48

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1627.220+/-0.355 χ^2/NDF: 332823.7/20

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1623.232+/-0.327 χ^2/NDF: 283291.3/25

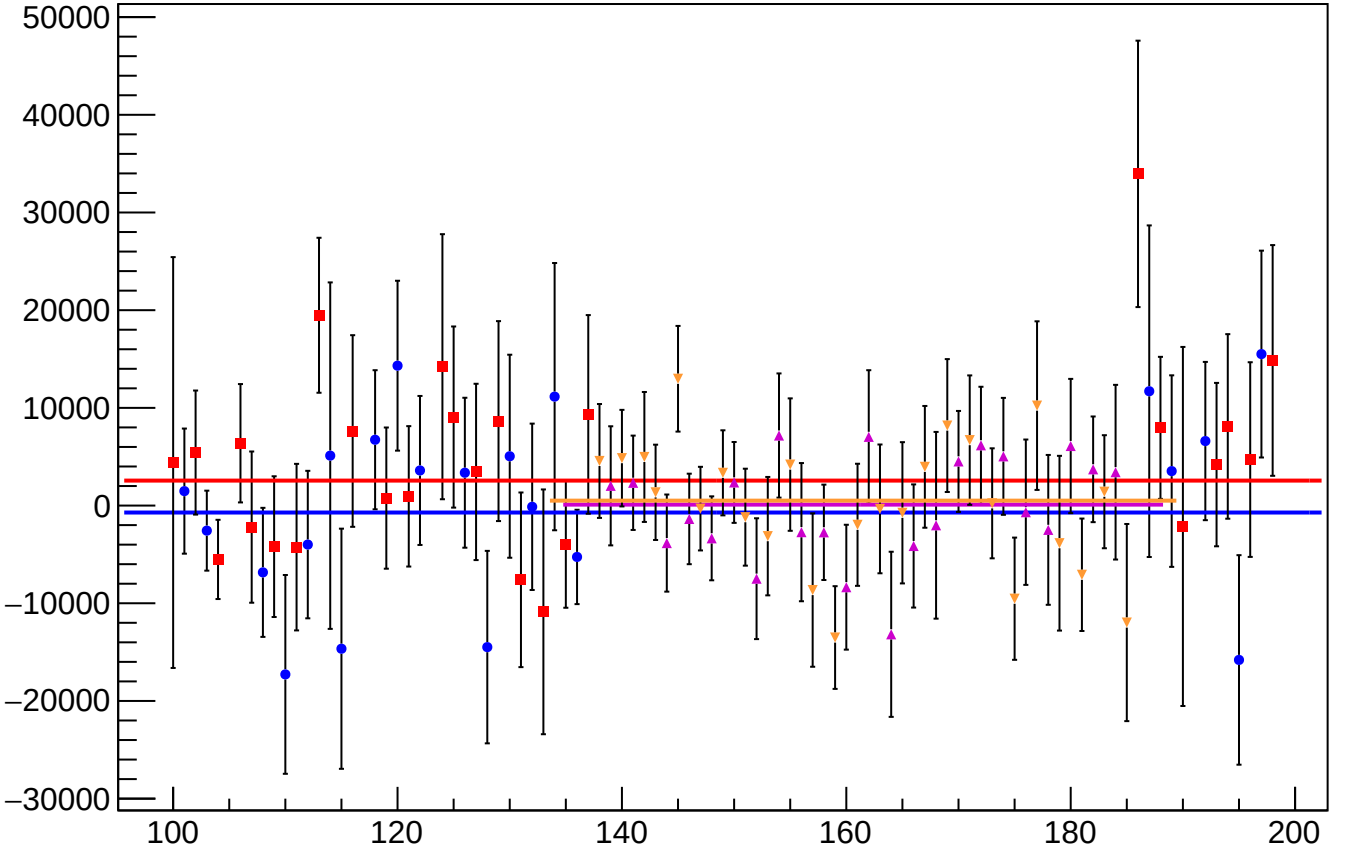
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1567.677+/-0.203 χ^2/NDF: 421605.7/45

All: 1567.755+/-0.143 χ^2/NDF: 781835.4/94

- sign 1567.832+/-0.200 χ^2/NDF: 360229.4/48

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -712.141+/-1716.374 χ^2/NDF: 19.9/20

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2556.394+/-1599.493 χ^2/NDF: 24.3/25

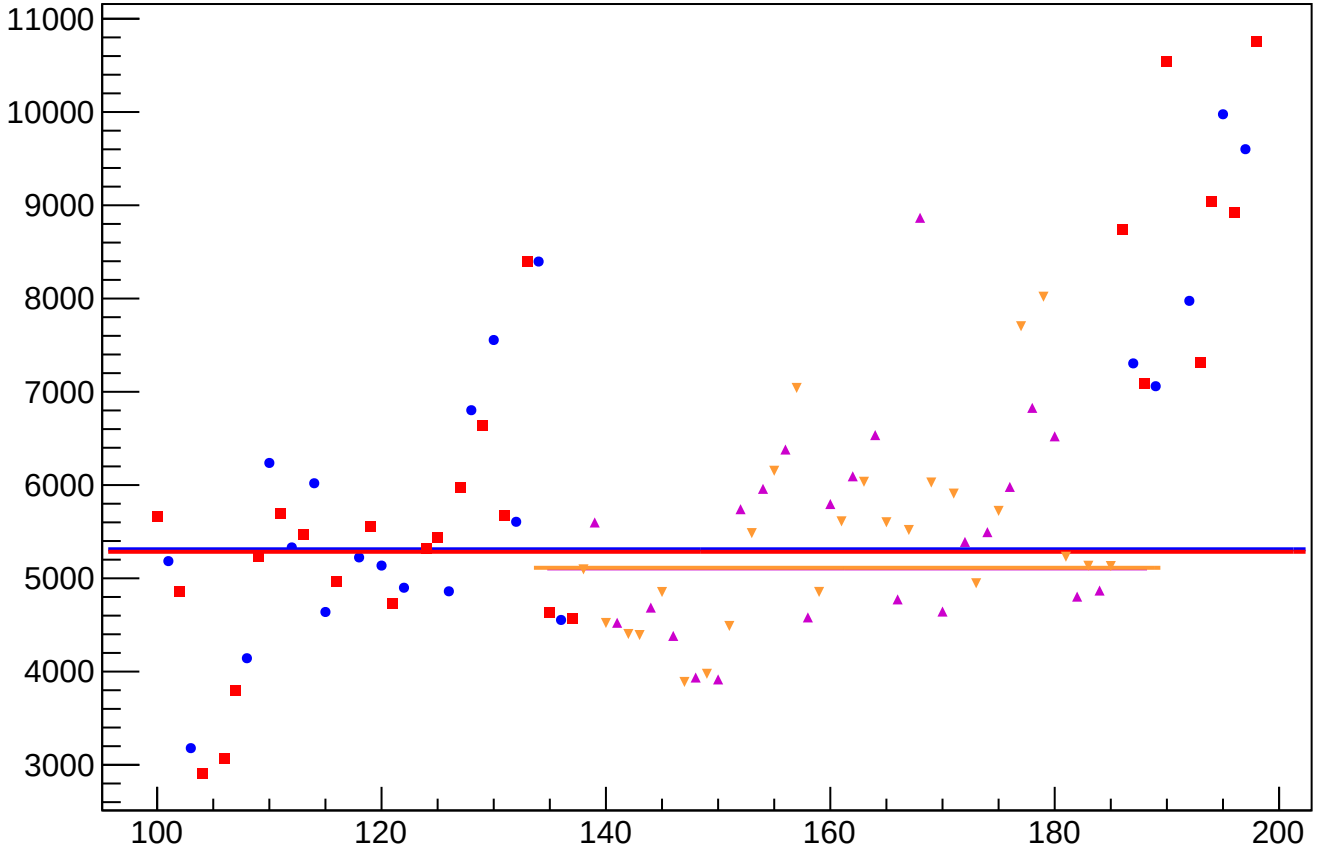
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 110.297+/-976.445 χ^2/NDF: 47.0/45

All: 558.579+/-687.739 χ^2/NDF: 88.1/94

- sign 999.886+/-968.820 χ^2/NDF: 40.7/48

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5311.324+/-1.214 χ^2/NDF: 1952377.7/20

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5284.629+/-1.131 χ^2/NDF: 2811492.8/25

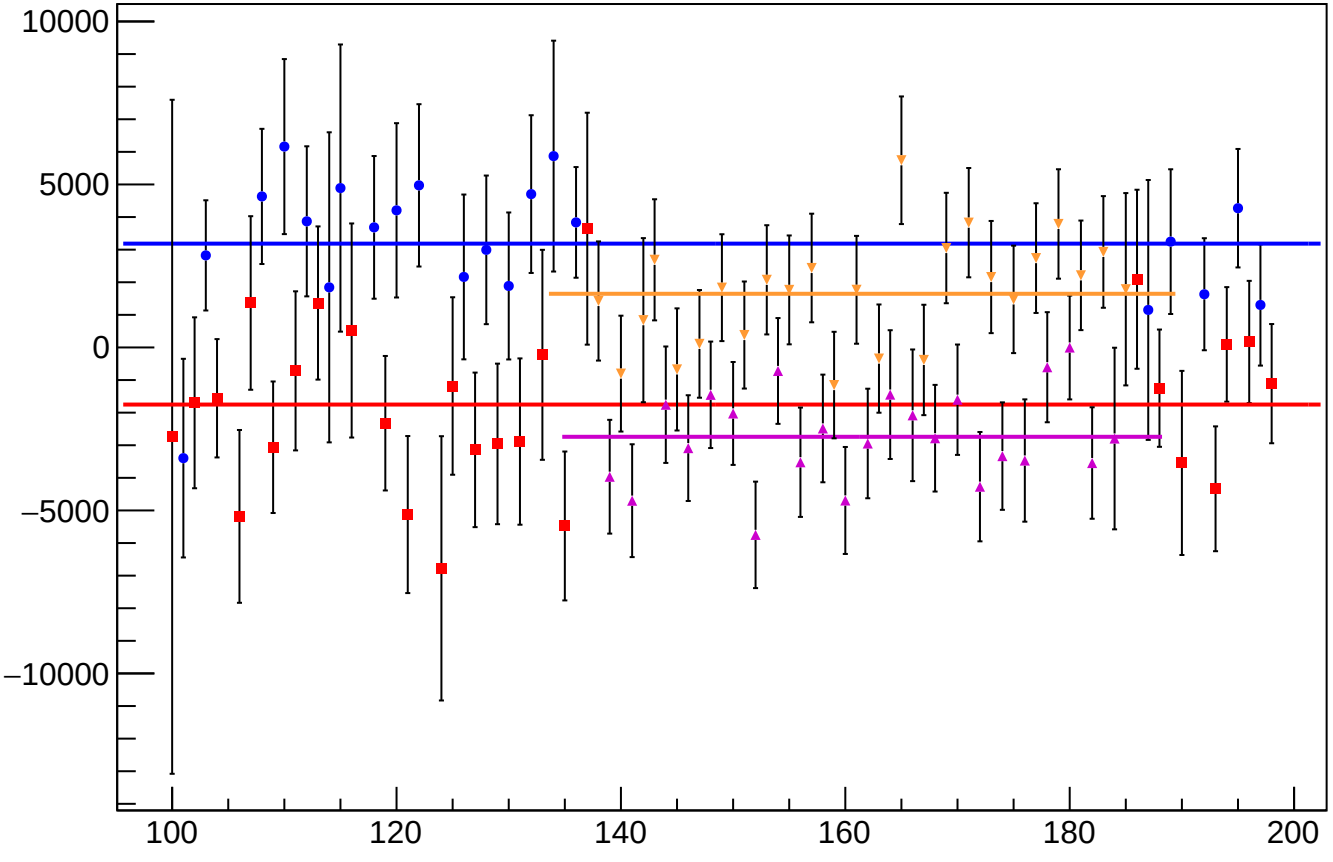
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5177.151+/-0.690 χ^2/NDF: 3129471.1/45

All: 5174.443+/-0.486 χ^2/NDF: 7208342.2/94

- sign 5171.778+/-0.685 χ^2/NDF: 4078840.6/48

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3184.759+/-502.319 χ^2/NDF: 11.5/20

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1751.754+/-464.070 χ^2/NDF: 22.0/25

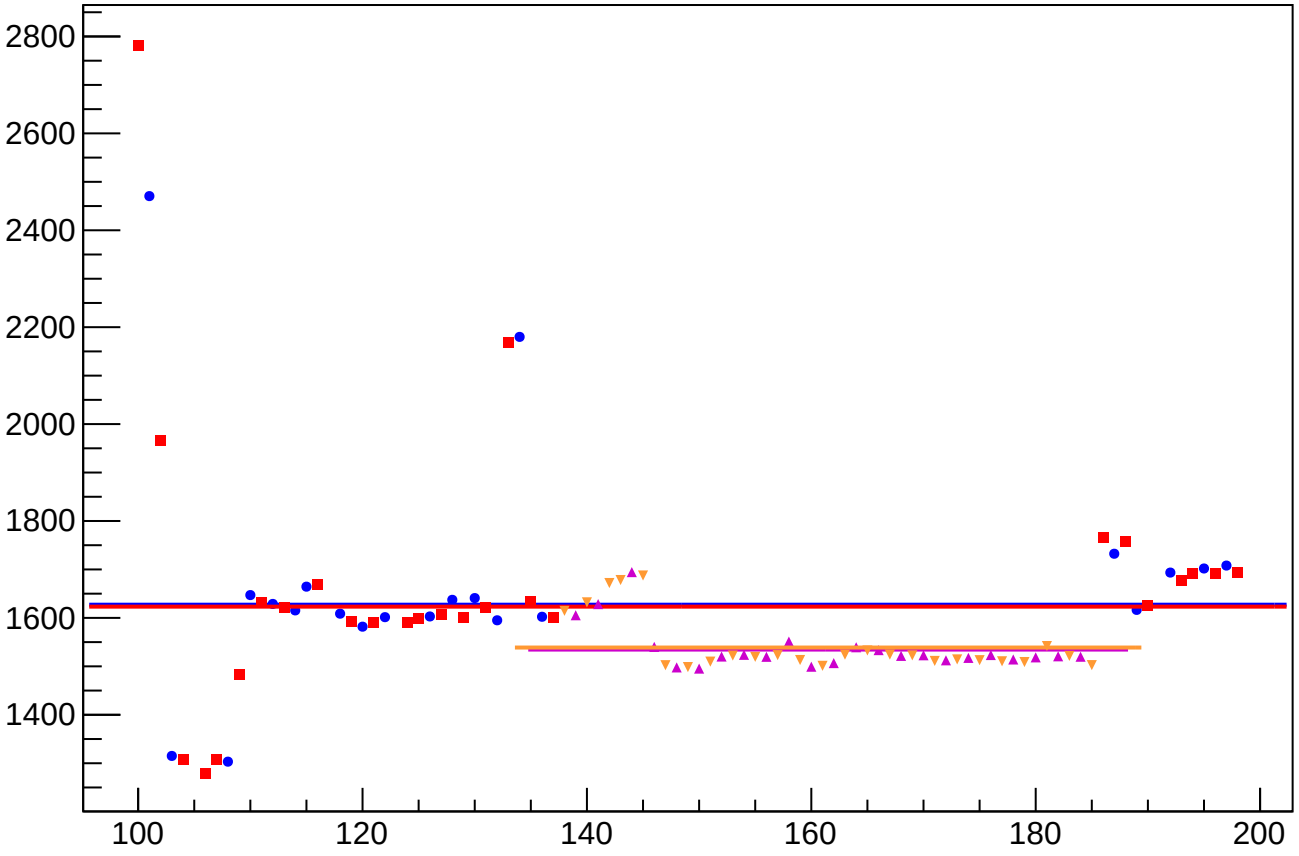
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2148.628+/-287.033 χ^2/NDF: 38.9/45

All: -137.818+/-201.769 χ^2/NDF: 205.6/94

- sign -2371.226+/-283.684 χ^2/NDF: 41.3/48

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1627.220+/-0.355 χ^2/NDF: 332823.7/20

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

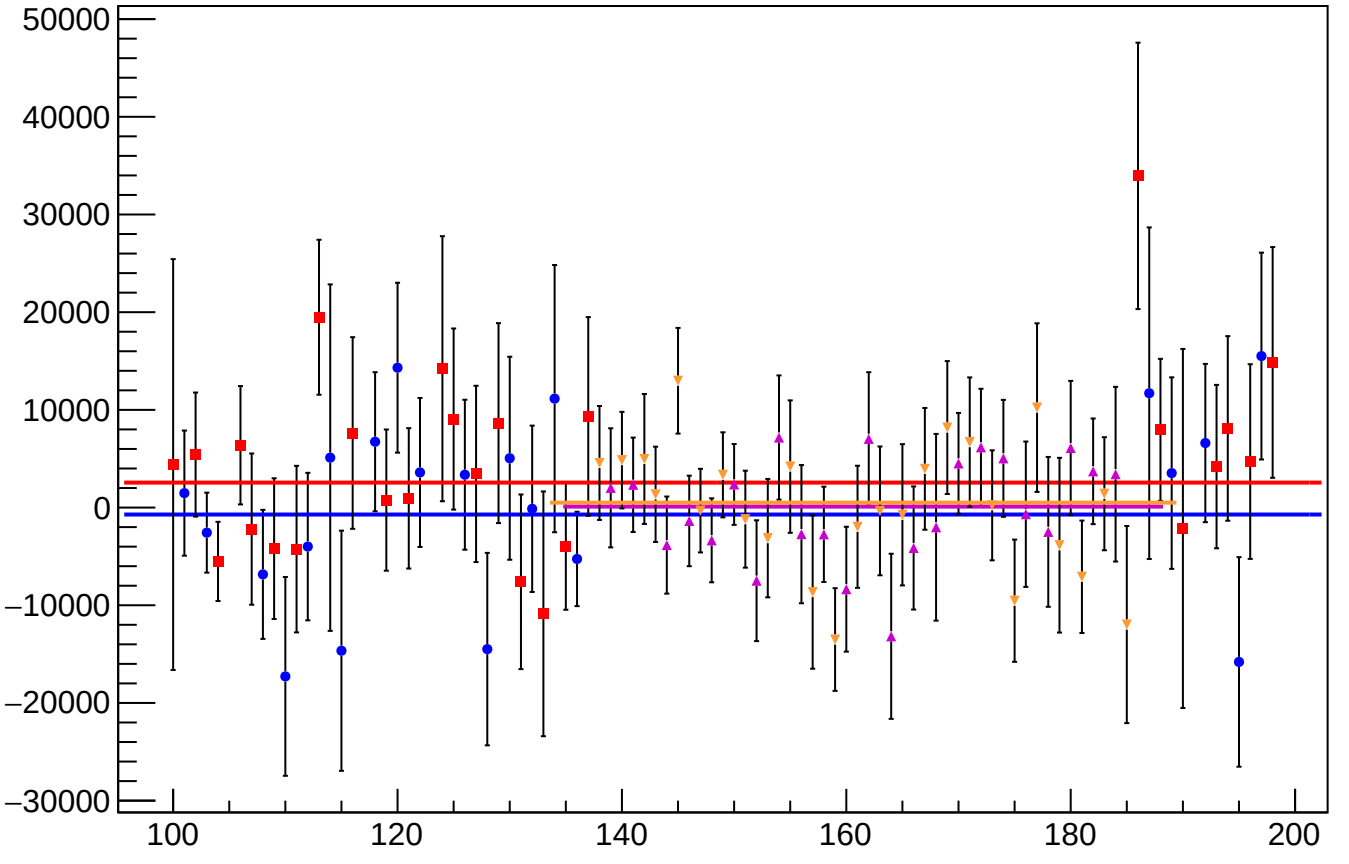
Right Out: 1623.232+/-0.327 χ^2/NDF: 283291.3/25

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1567.677+/-0.203 χ^2/NDF: 421605.7/45

All: 1567.755+/-0.143 χ^2/NDF: 781835.4/94

- sign 1567.832+/-0.200 χ^2/NDF: 360229.4/48



Right In: -712.141+/-1716.374 χ^2/NDF: 19.9/20

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2556.394+/-1599.493 χ^2/NDF: 24.3/25

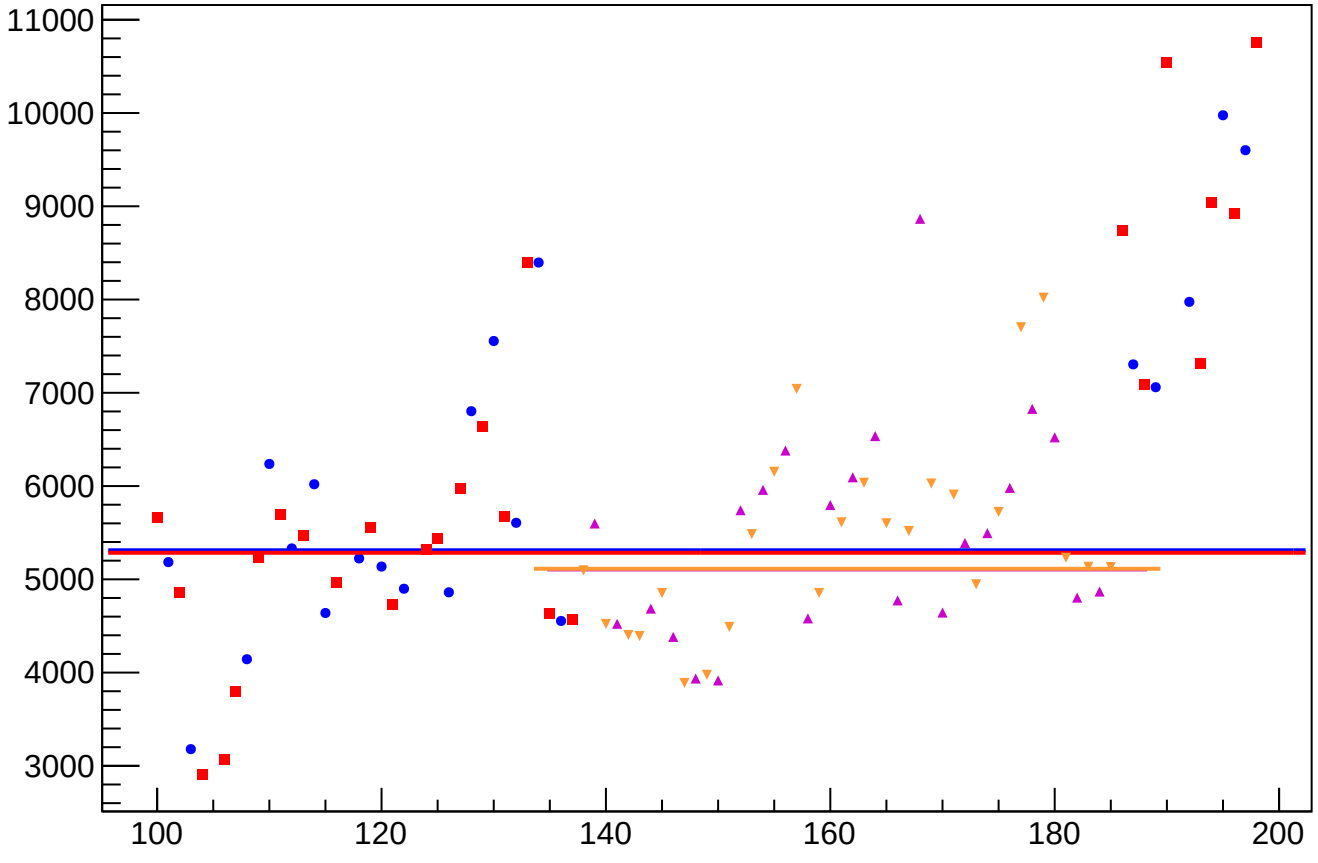
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 110.297+/-976.445 χ^2/NDF: 47.0/45

All: 558.579+/-687.739 χ^2/NDF: 88.1/94

- sign 999.886+/-968.820 χ^2/NDF: 40.7/48

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 5311.324+/-1.214 χ^2/NDF: 1952377.7/20

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5284.629+/-1.131 χ^2/NDF: 2811492.8/25

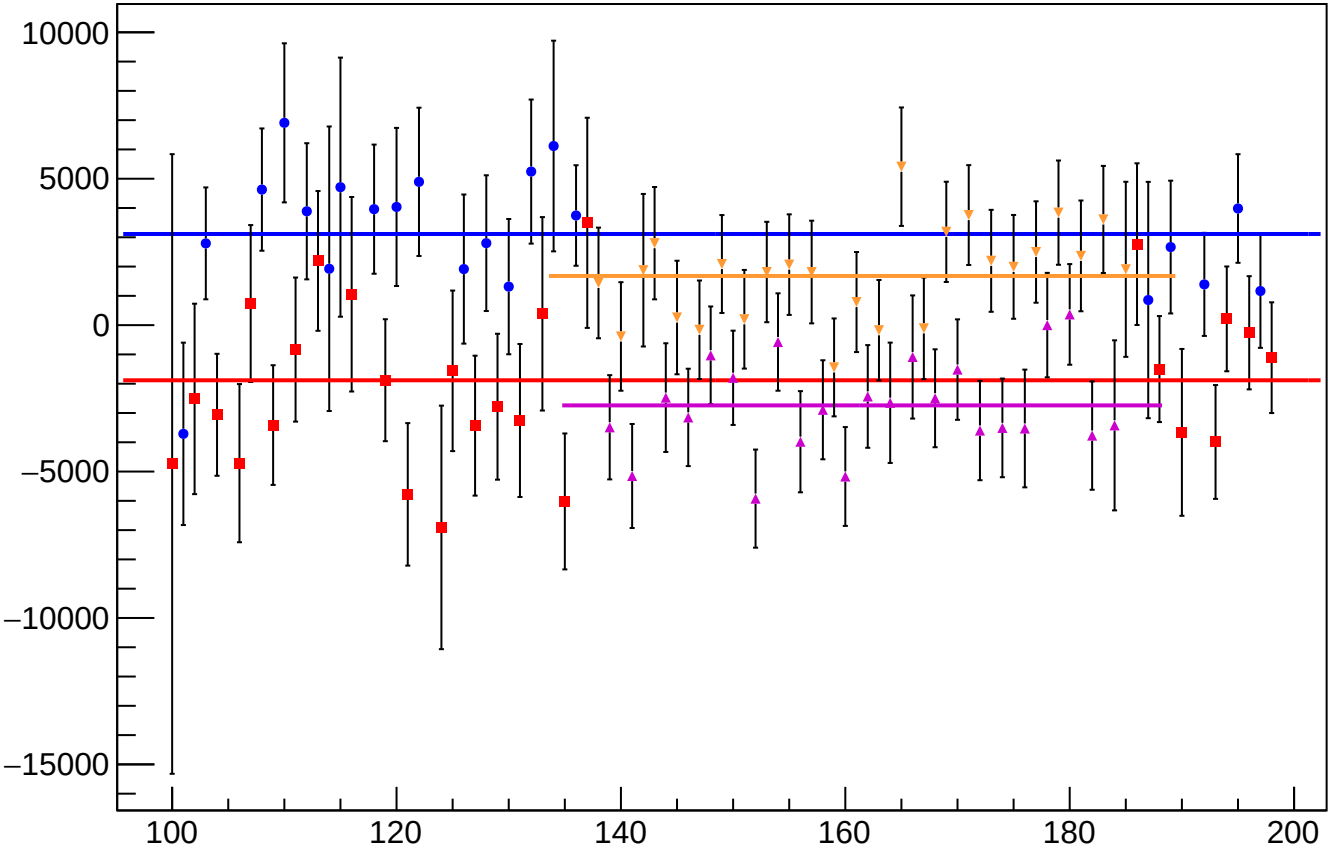
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5177.151+/-0.690 χ^2/NDF: 3129471.1/45

All: 5174.443+/-0.486 χ^2/NDF: 7208342.2/94

- sign 5171.778+/-0.685 χ^2/NDF: 4078840.6/48

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3112.249+/-515.416 χ^2/NDF: 13.3/20

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1883.400+/-477.067 χ^2/NDF: 24.4/25

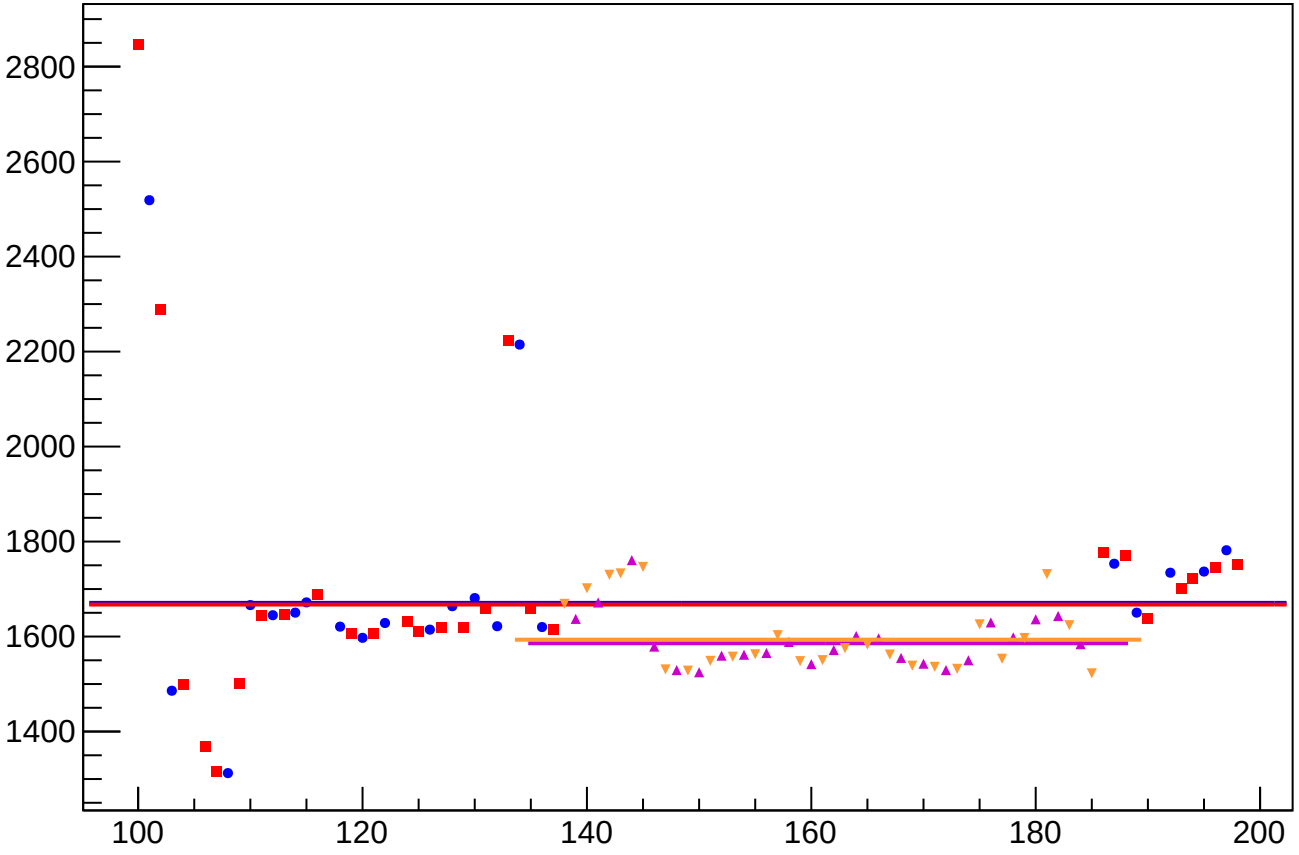
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2153.249+/-296.450 χ^2/NDF: 37.5/45

All: -161.714+/-208.273 χ^2/NDF: 203.5/94

- sign -2418.029+/-292.670 χ^2/NDF: 45.6/48

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1670.891+/-0.364 χ^2/NDF: 291220.5/20

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1667.427+/-0.337 χ^2/NDF: 266107.5/25

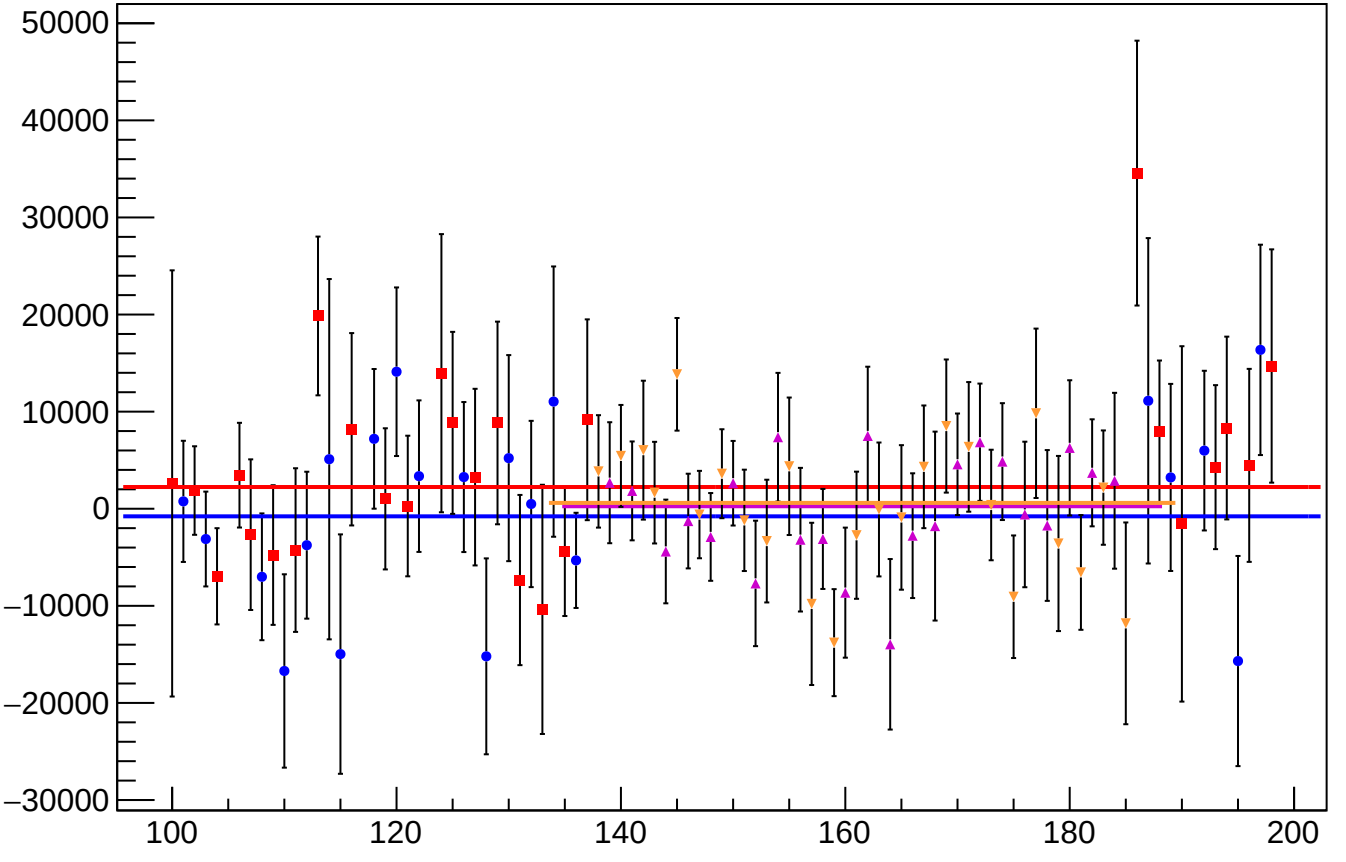
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1619.027+/-0.210 χ^2/NDF: 393358.9/45

All: 1617.805+/-0.147 χ^2/NDF: 737883.0/94

- sign 1616.615+/-0.207 χ^2/NDF: 344457.1/48

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -783.013+/-1769.949 χ^2/NDF: 19.8/20

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2236.821+/-1588.217 χ^2/NDF: 23.6/25

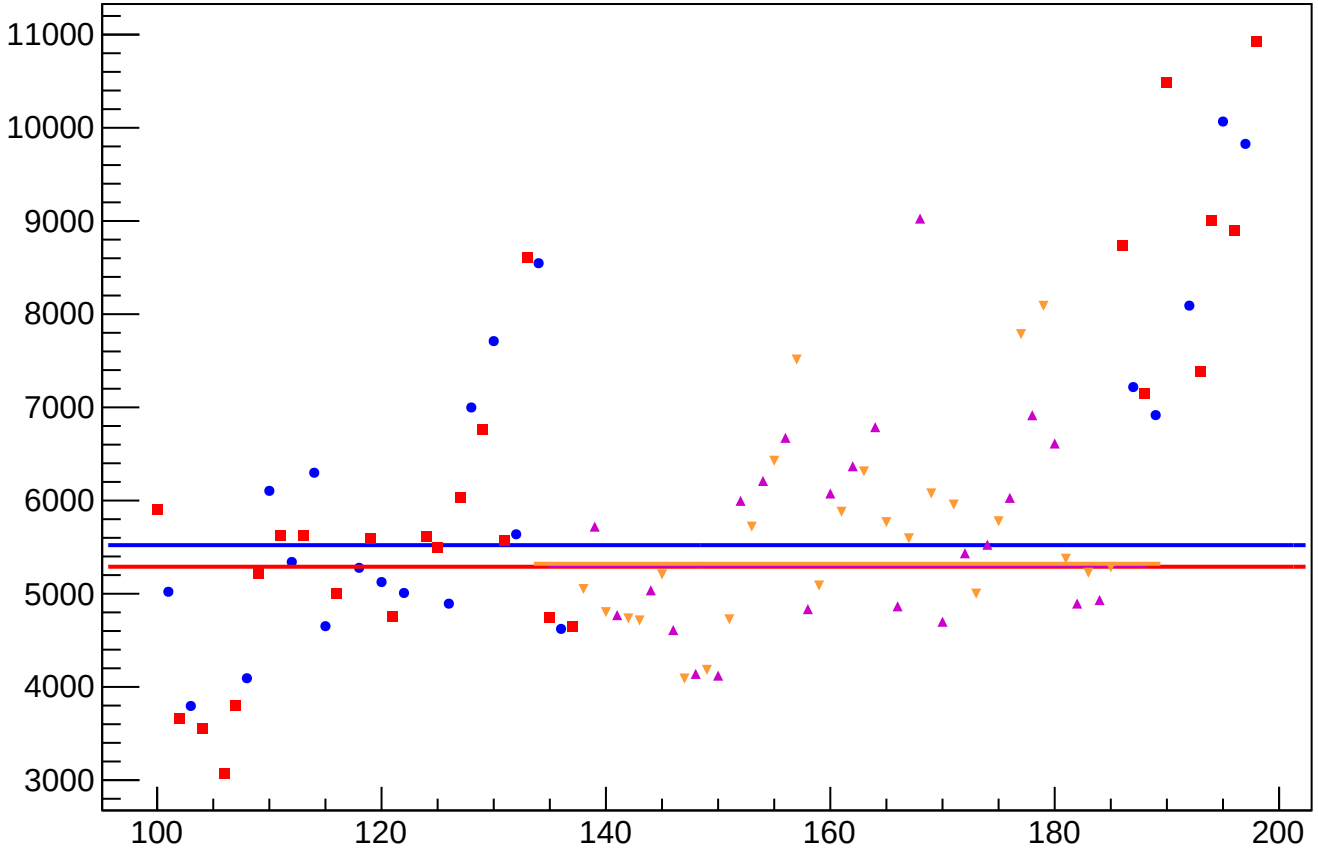
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

+ sign 149.074+/-1012.021 χ^2/NDF: 46.2/45

All: 596.392+/-707.087 χ^2/NDF: 85.8/94

- sign 1023.024+/-988.344 χ^2/NDF: 39.2/48

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5521.403+/-1.252 χ^2/NDF: 1624841.8/20

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5289.954+/-1.123 χ^2/NDF: 2703306.0/25

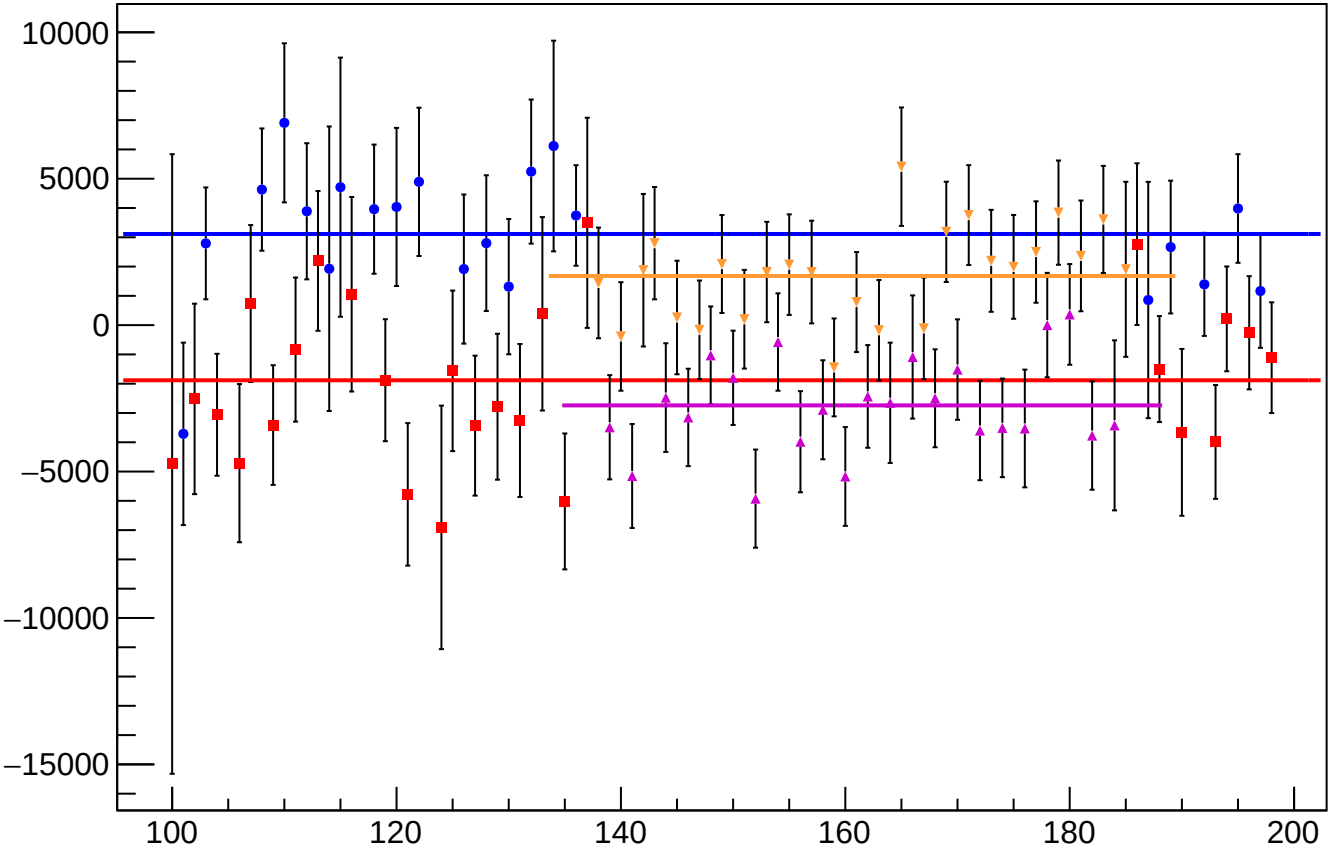
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5387.161+/-0.716 χ^2/NDF: 2678944.1/45

All: 5341.452+/-0.500 χ^2/NDF: 6542678.5/94

- sign 5297.856+/-0.699 χ^2/NDF: 3855762.9/48

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3112.247+/-515.416 χ^2/NDF: 13.3/20

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1883.402+/-477.067 χ^2/NDF: 24.4/25

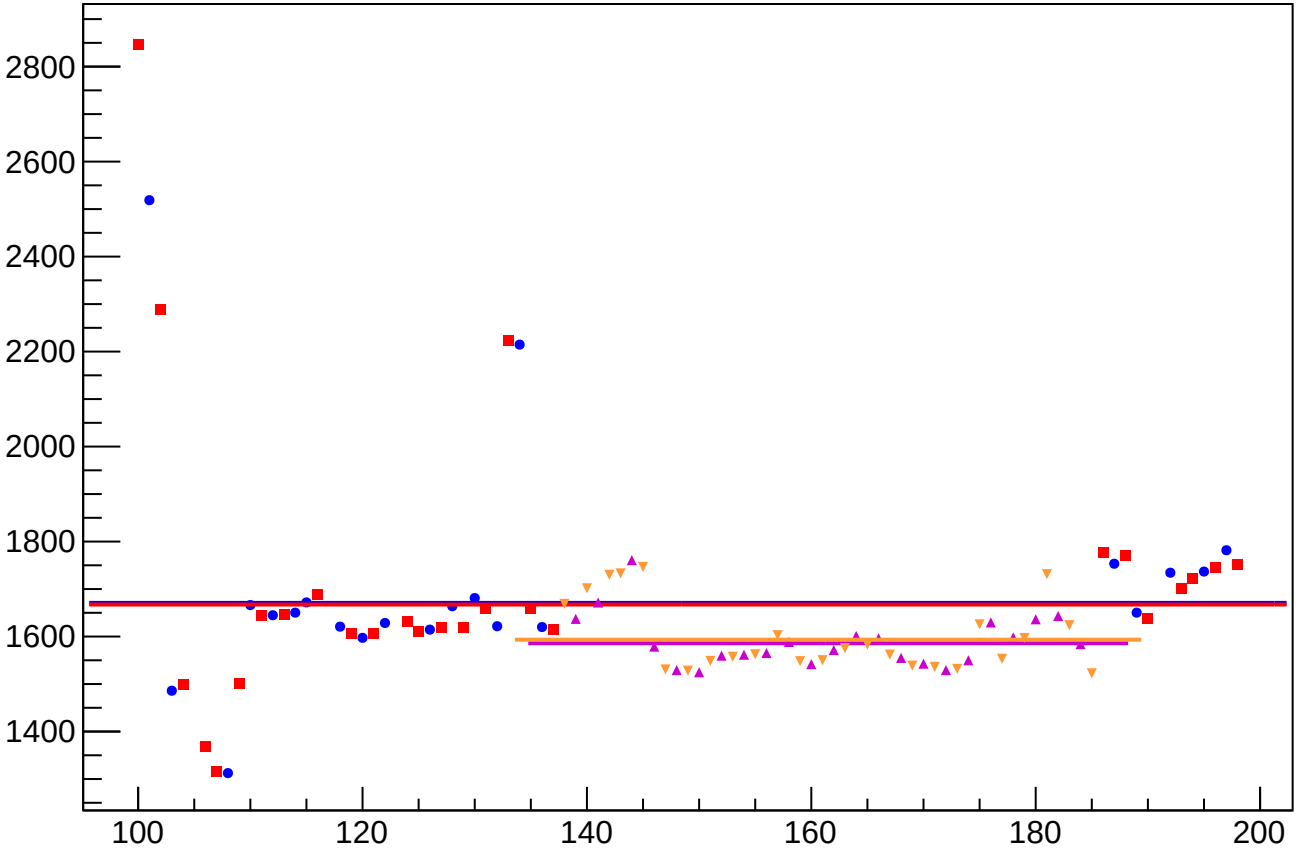
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2153.245+/-296.450 χ^2/NDF: 37.5/45

All: -161.716+/-208.273 χ^2/NDF: 203.5/94

- sign -2418.029+/-292.670 χ^2/NDF: 45.6/48

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1670.890+/-0.364 χ^2/NDF: 291220.7/20

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

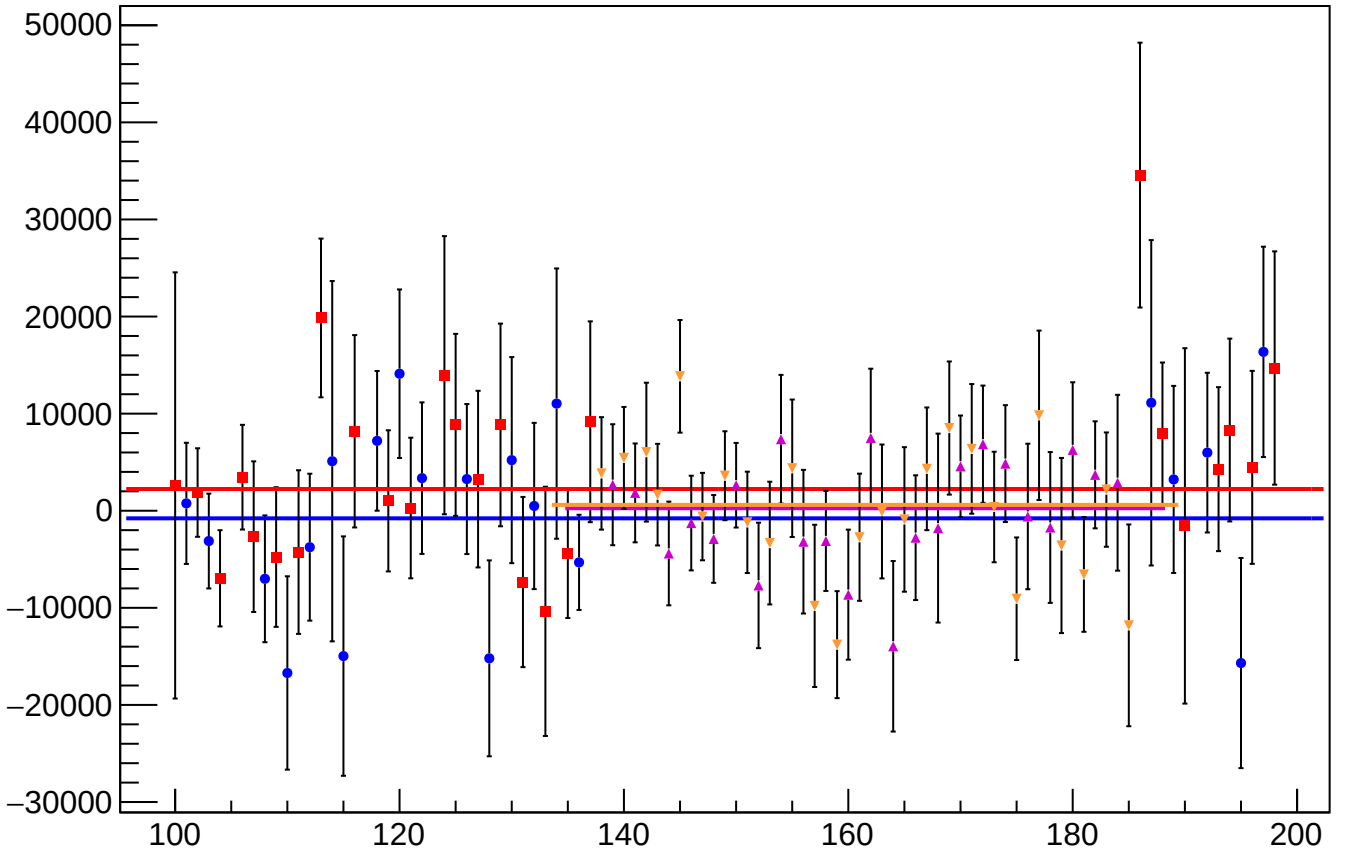
Right Out: 1667.427+/-0.337 χ^2/NDF: 266107.4/25

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

\+ sign 1619.027+/-0.210 χ^2/NDF: 393357.7/45

All: 1617.806+/-0.147 χ^2/NDF: 737880.5/94

\- sign 1616.616+/-0.207 χ^2/NDF: 344455.7/48



Right In: -783.001+/-1769.947 χ^2/NDF: 19.8/20

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

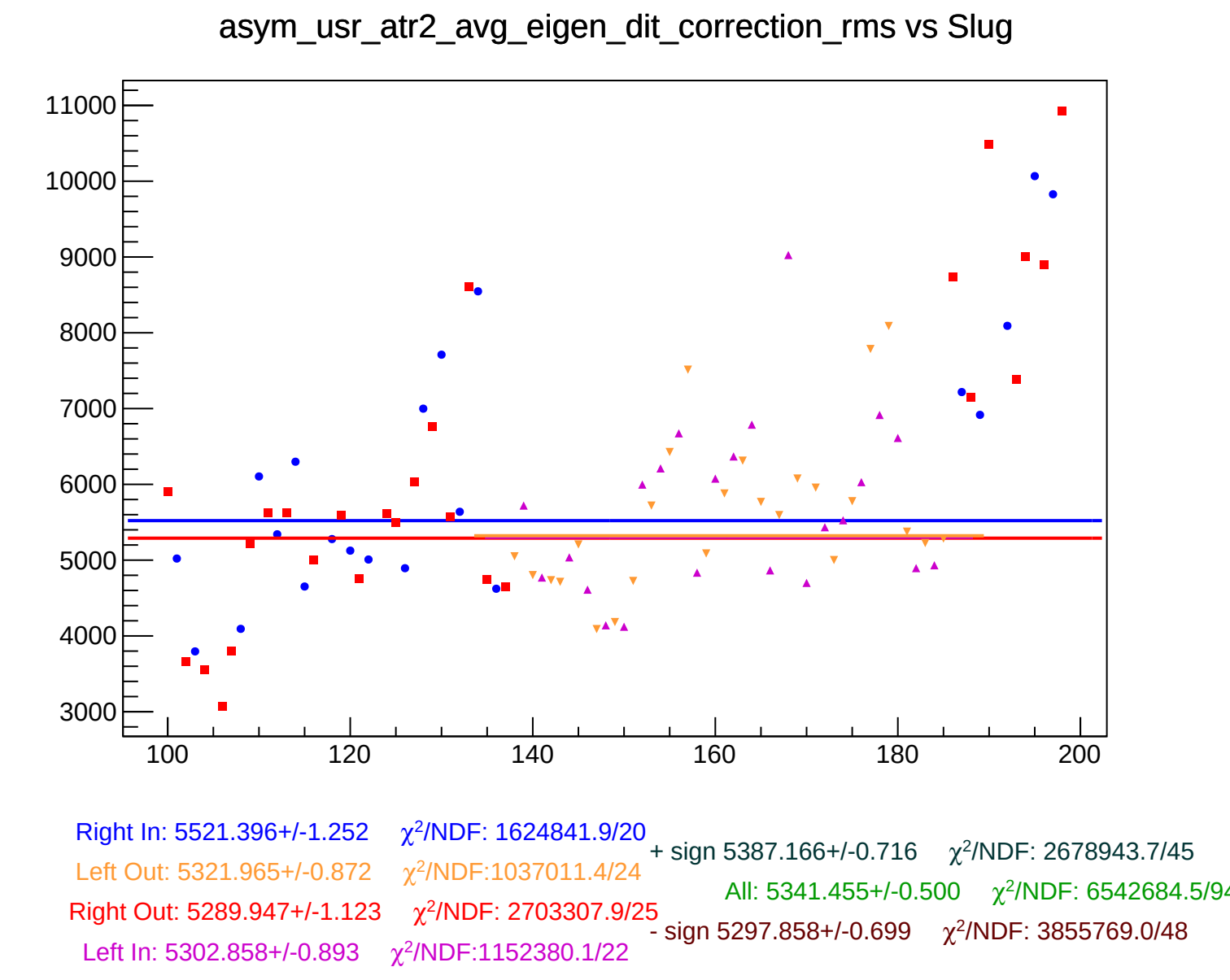
Right Out: 2236.817+/-1588.215 χ^2/NDF: 23.6/25

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

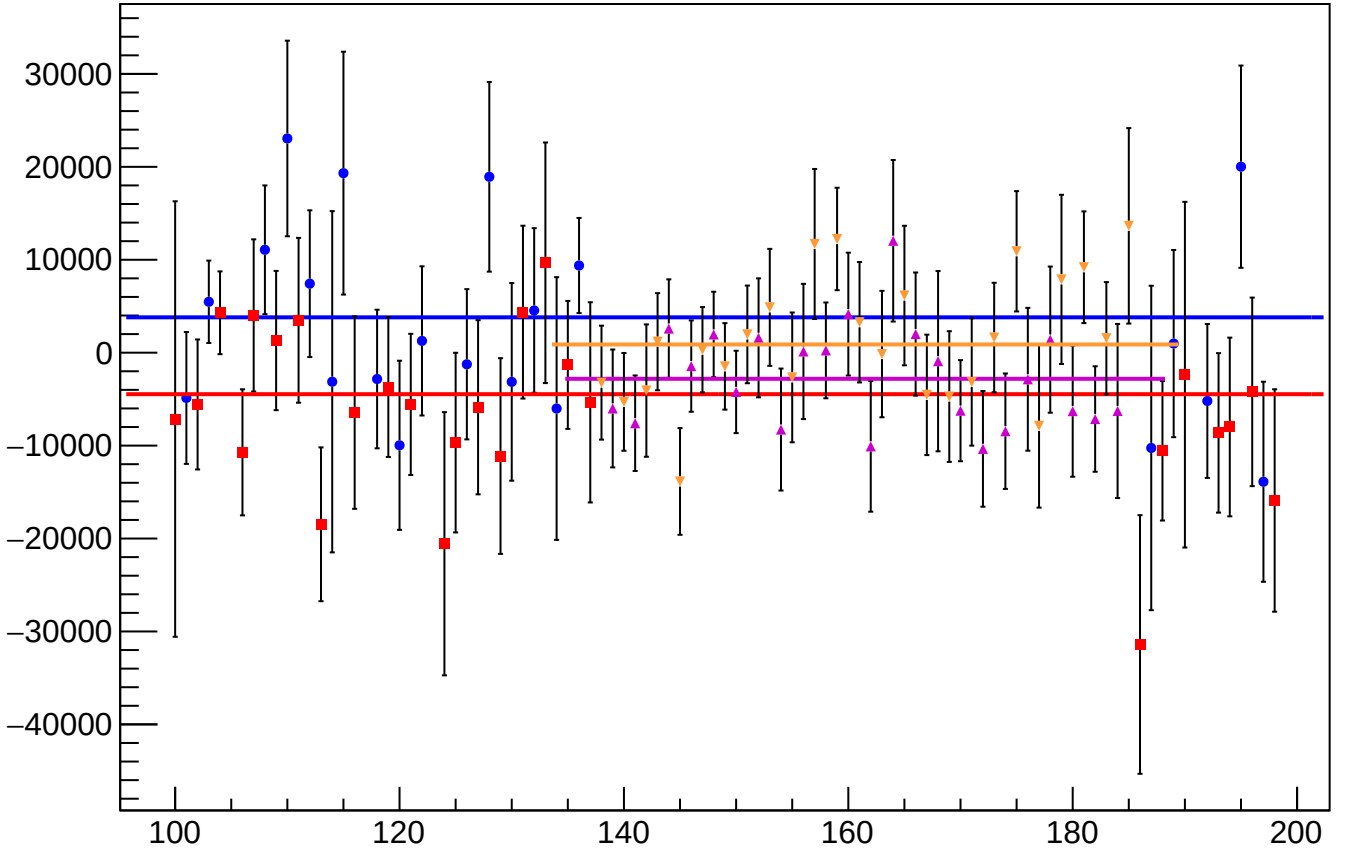
+ sign 149.074+/-1012.021 χ^2/NDF: 46.2/45

All: 596.393+/-707.088 χ^2/NDF: 85.8/94

- sign 1023.027+/-988.345 χ^2/NDF: 39.2/48


asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 5521.396+/-1.252 χ²/NDF: 1624841.9/20
Left Out: 5321.965+/-0.872 χ²/NDF:1037011.4/24
Right Out: 5289.947+/-1.123 χ²/NDF: 2703307.9/25
Left In: 5302.858+/-0.893 χ²/NDF:1152380.1/22
+ sign 5387.166+/-0.716 χ²/NDF: 2678943.7/45
All: 5341.455+/-0.500 χ²/NDF: 6542684.5/94
- sign 5297.858+/-0.699 χ²/NDF: 3855769.0/48

asym_usr_atr2_avg_mean vs Slug



Right In: 3805.328+/-1809.250 χ^2/NDF: 22.5/20

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -4465.893+/-1692.784 χ^2/NDF: 20.2/25

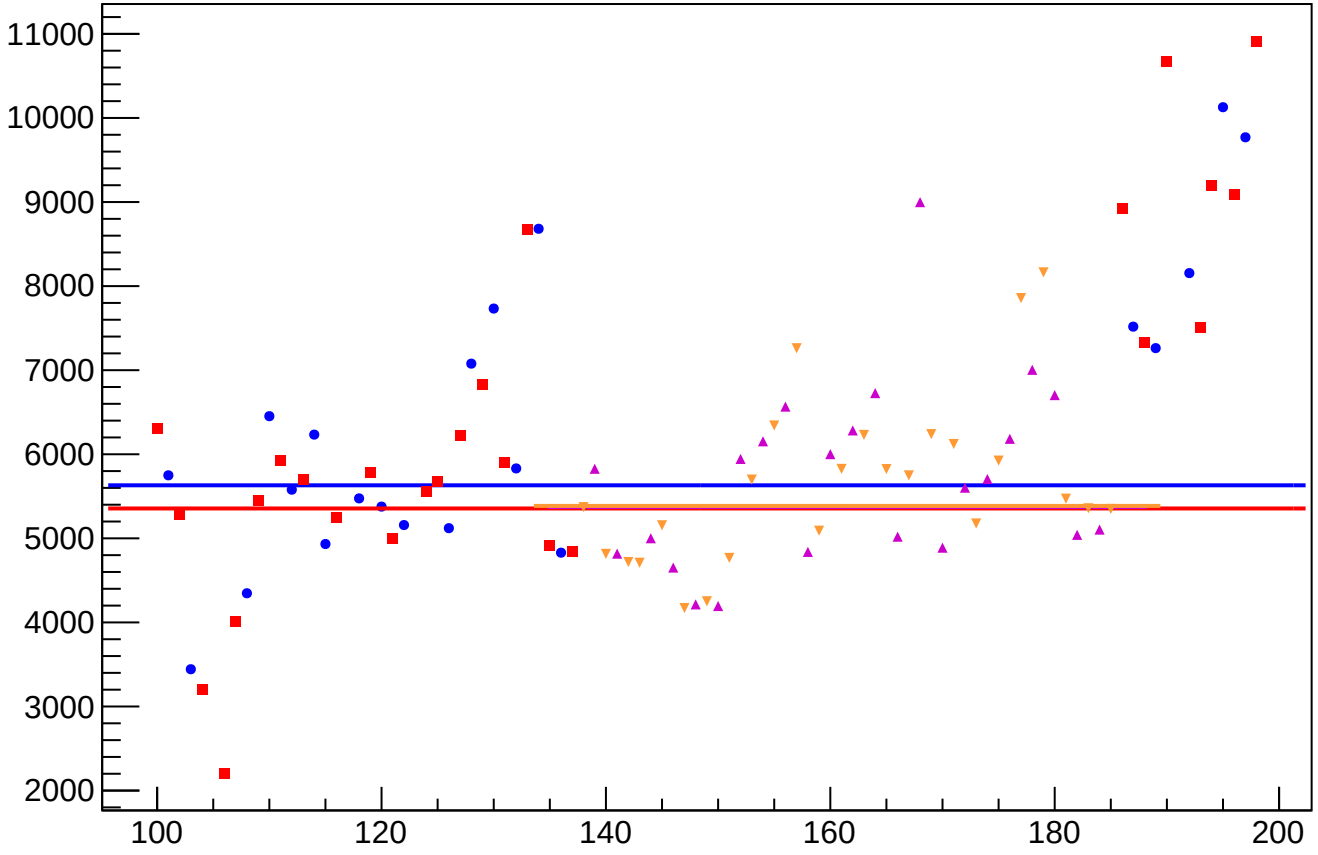
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

\+ sign 1825.321+/-1026.468 χ^2/NDF: 50.0/45

All: -810.577+/-723.371 χ^2/NDF: 98.5/94

\- sign -3411.152+/-1019.568 χ^2/NDF: 35.5/48

asym_usr_atr2_avg_rms vs Slug



Right In: 5630.834+/-1.279 χ^2/NDF: 1754286.0/20

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

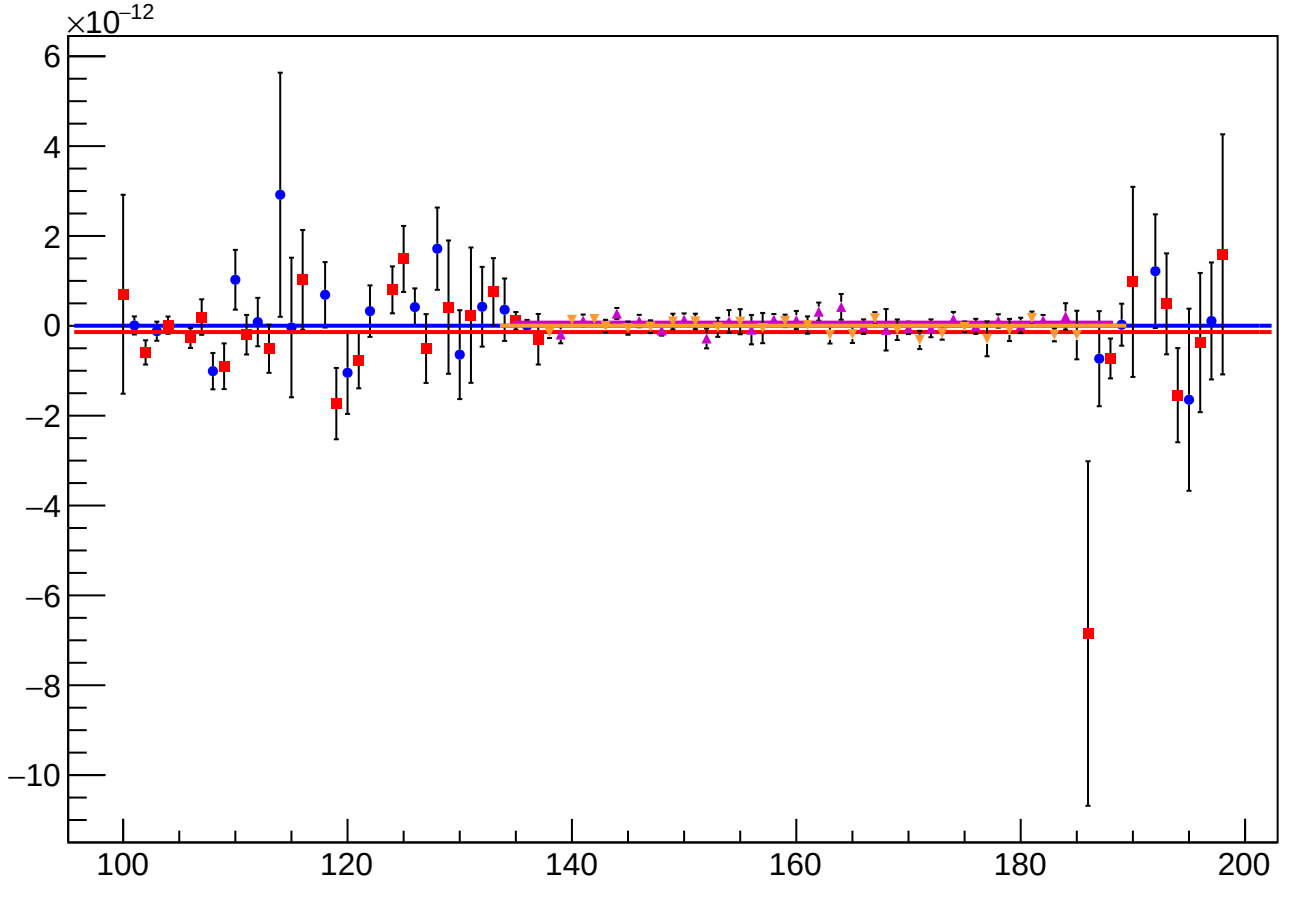
Right Out: 5355.334+/-1.160 χ^2/NDF: 3227008.2/25

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5464.572+/-0.726 χ^2/NDF: 2766281.8/45

All: 5414.499+/-0.508 χ^2/NDF: 7074599.1/94

- sign 5366.247+/-0.713 χ^2/NDF: 4298971.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

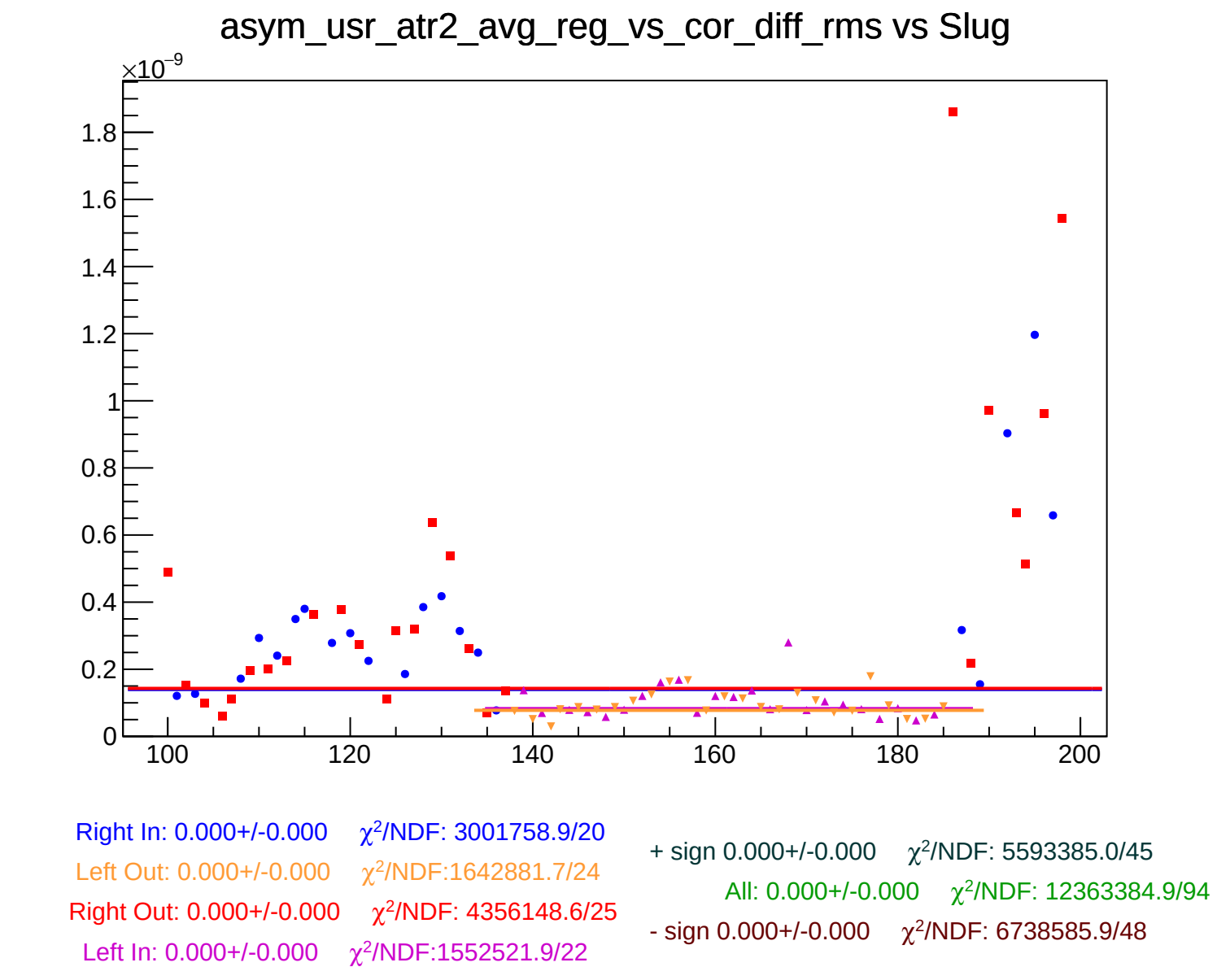
Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/25

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

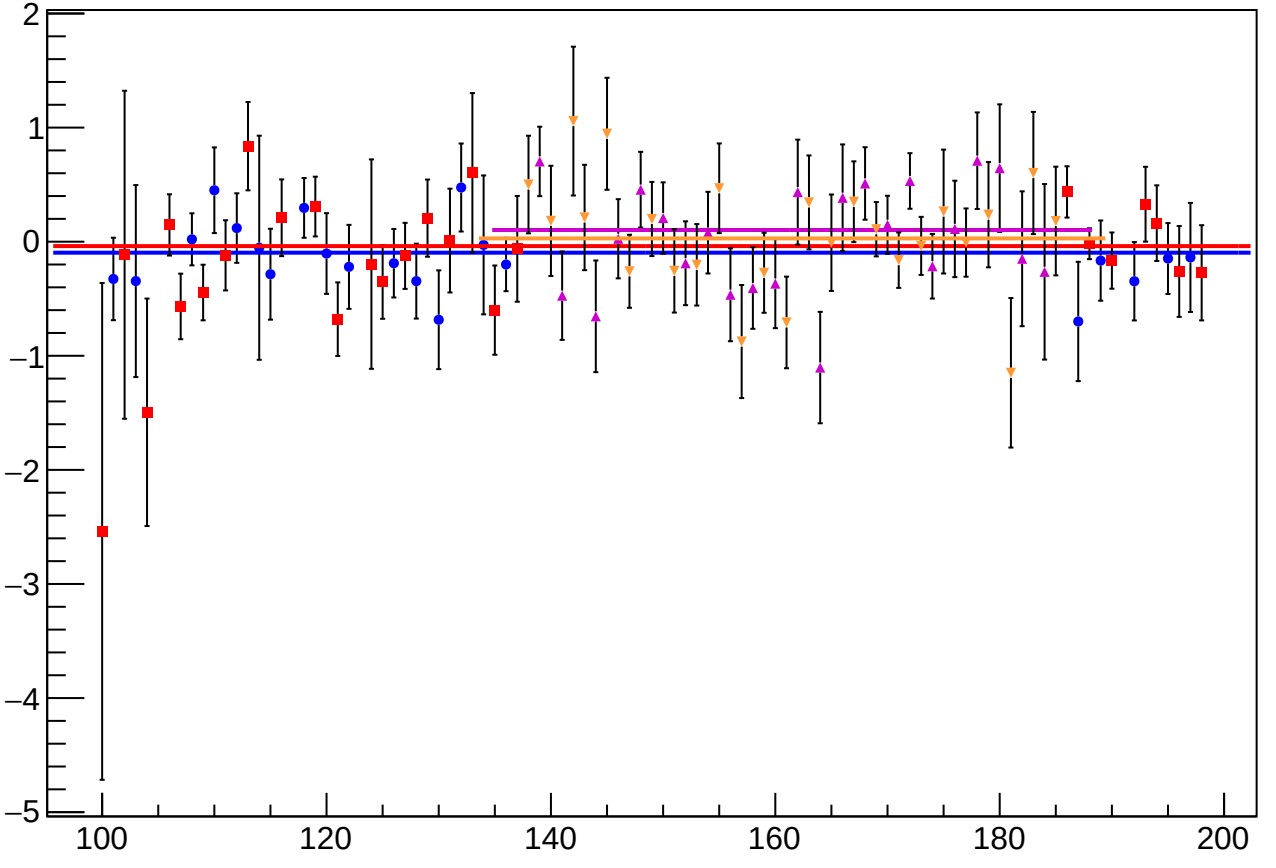
\+ sign 0.000+/-0.000 χ^2/NDF: 38.4/45

All: 0.000+/-0.000 χ^2/NDF: 93.1/94

\- sign 0.000+/-0.000 χ^2/NDF: 53.8/48


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3001758.9/20
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4356148.6/25
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
+ sign 0.000+/-0.000 χ²/NDF: 5593385.0/45
All: 0.000+/-0.000 χ²/NDF: 12363384.9/94
- sign 0.000+/-0.000 χ²/NDF: 6738585.9/48

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.039+/-0.061 χ^2/NDF: 33.1/25

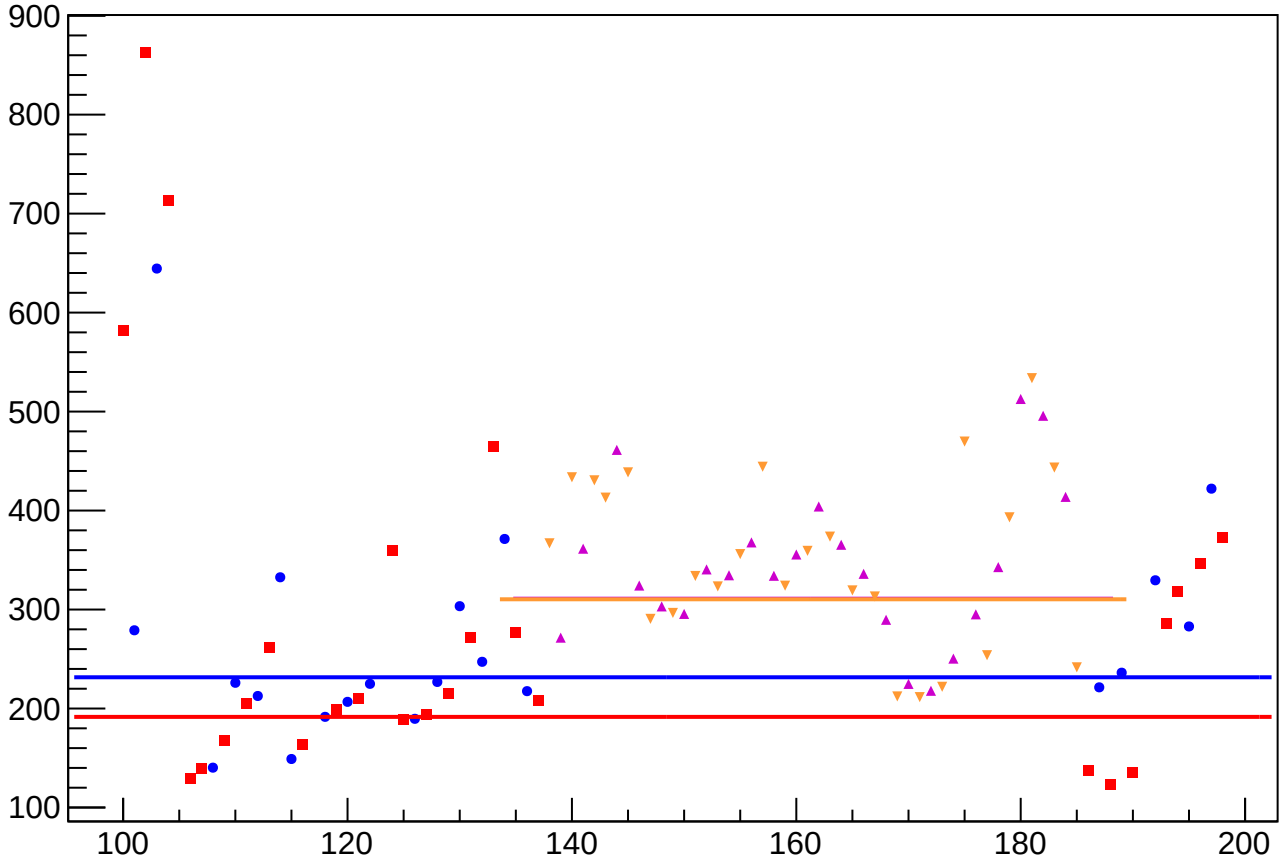
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.032+/-0.053 χ^2/NDF: 39.5/45

All: -0.005+/-0.036 χ^2/NDF: 107.4/94

- sign 0.017+/-0.048 χ^2/NDF: 67.4/48

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 231.571+/-0.054 χ^2/NDF: 1755748.0/20

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

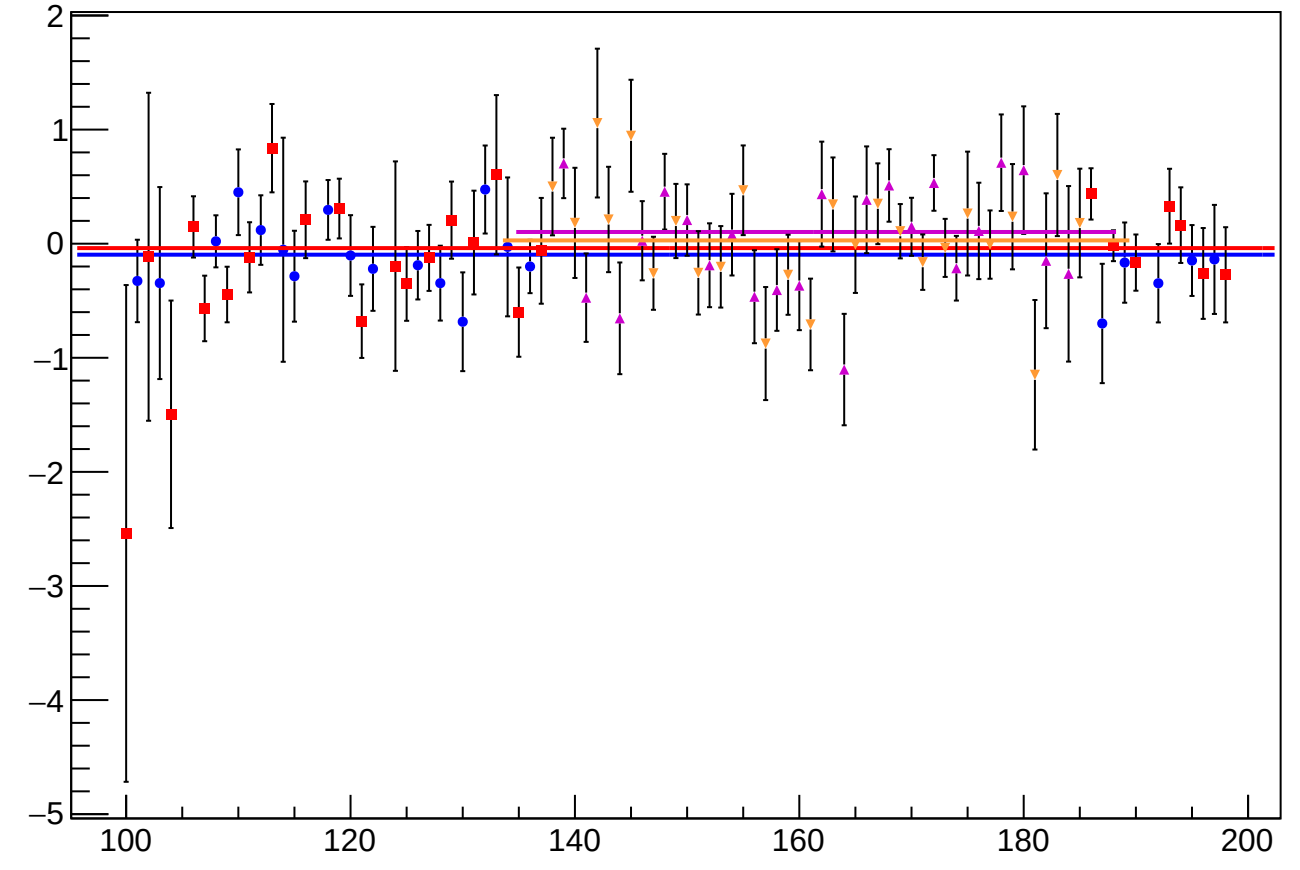
Right Out: 191.549+/-0.043 χ^2/NDF: 3747113.1/25

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 271.807+/-0.038 χ^2/NDF: 5208456.1/45

All: 253.307+/-0.025 χ^2/NDF: 13966885.2/94

- sign 238.464+/-0.034 χ^2/NDF: 8325128.7/48



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

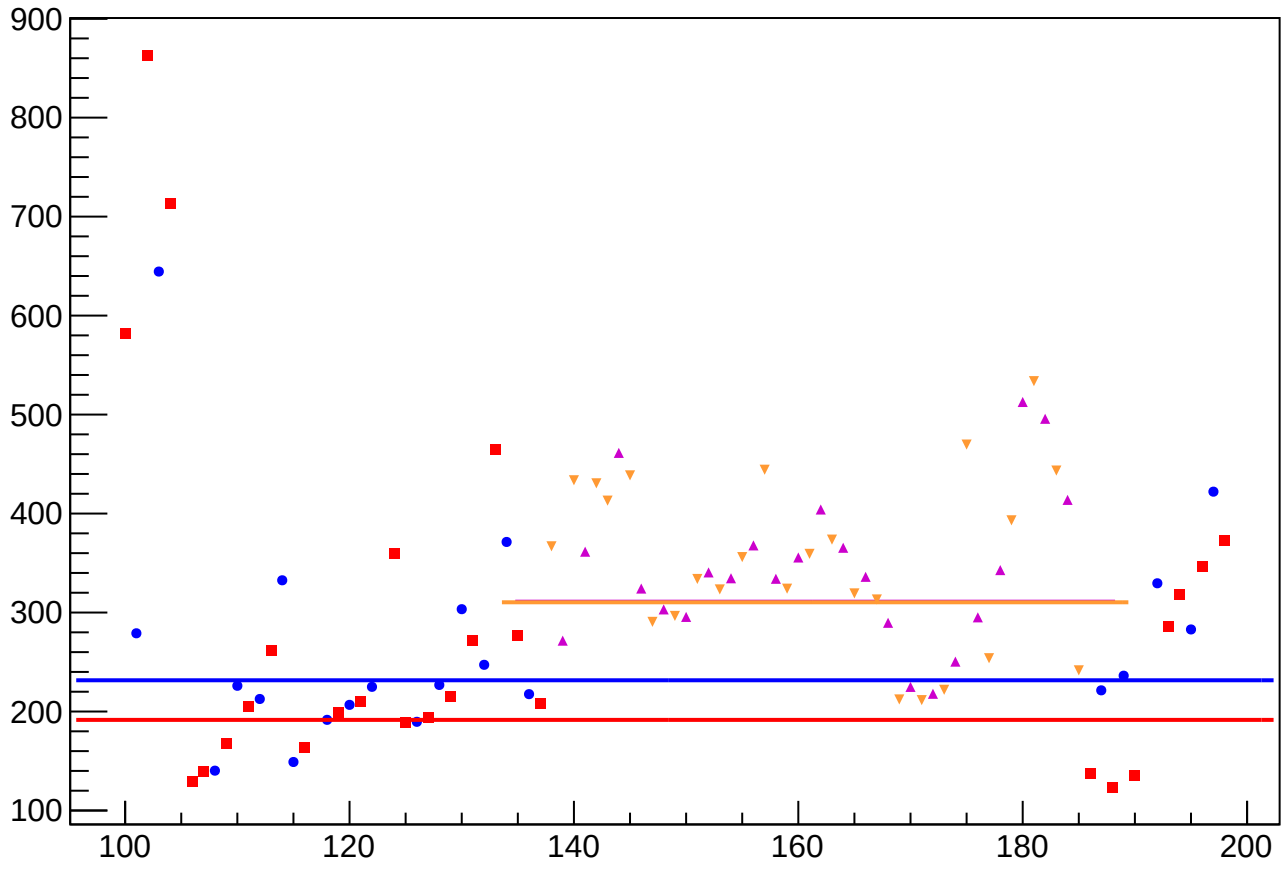
Right Out: -0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.032+/-0.053 χ^2/NDF: 39.5/45

All: -0.005+/-0.036 χ^2/NDF: 107.4/94

- sign 0.017+/-0.048 χ^2/NDF: 67.4/48



Right In: 231.571+/-0.054 χ^2/NDF: 1755748.0/20

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

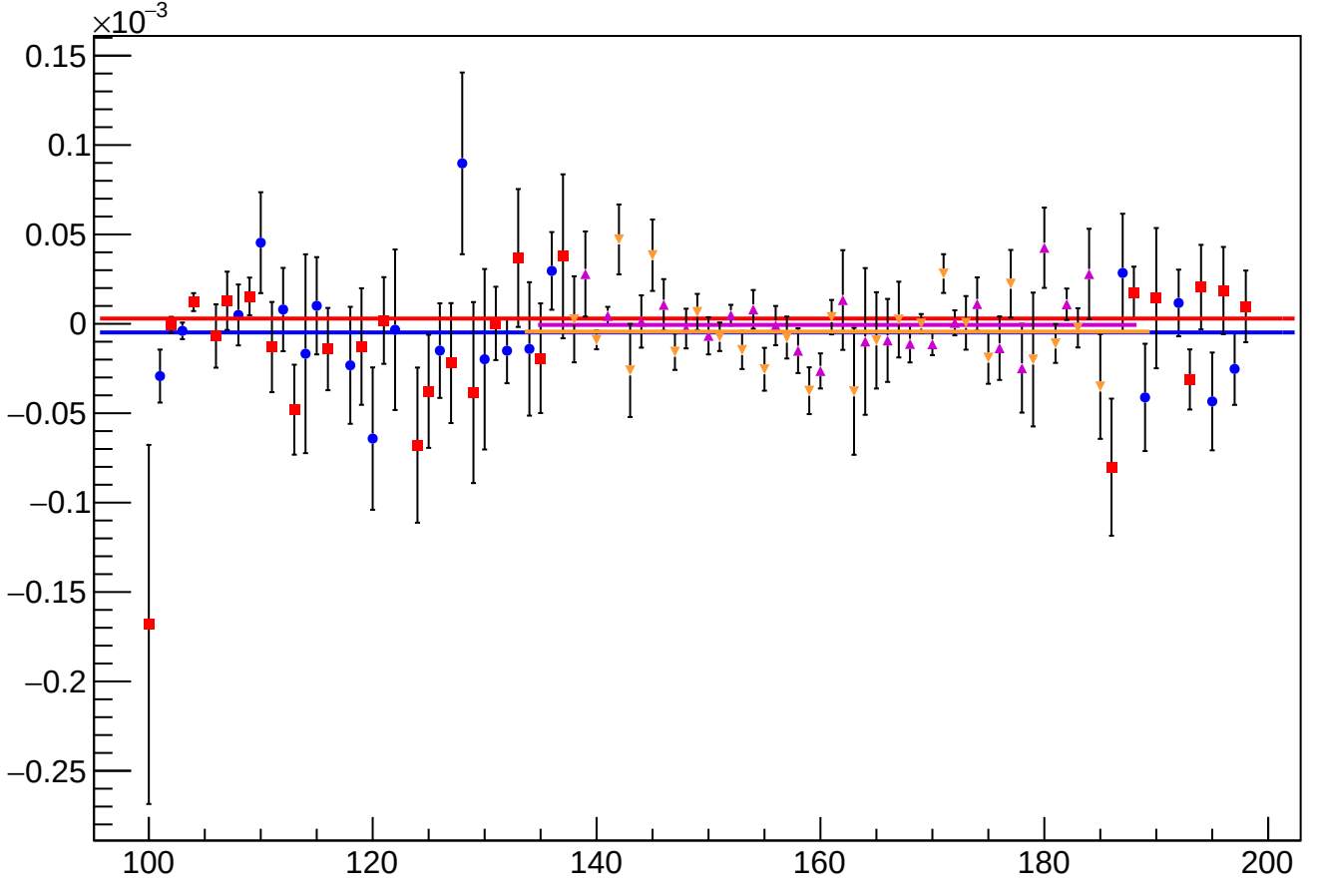
Right Out: 191.549+/-0.043 χ^2/NDF: 3747113.1/25

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 271.807+/-0.038 χ^2/NDF: 5208456.1/45

All: 253.307+/-0.025 χ^2/NDF: 13966885.2/94

- sign 238.464+/-0.034 χ^2/NDF: 8325128.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 22.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

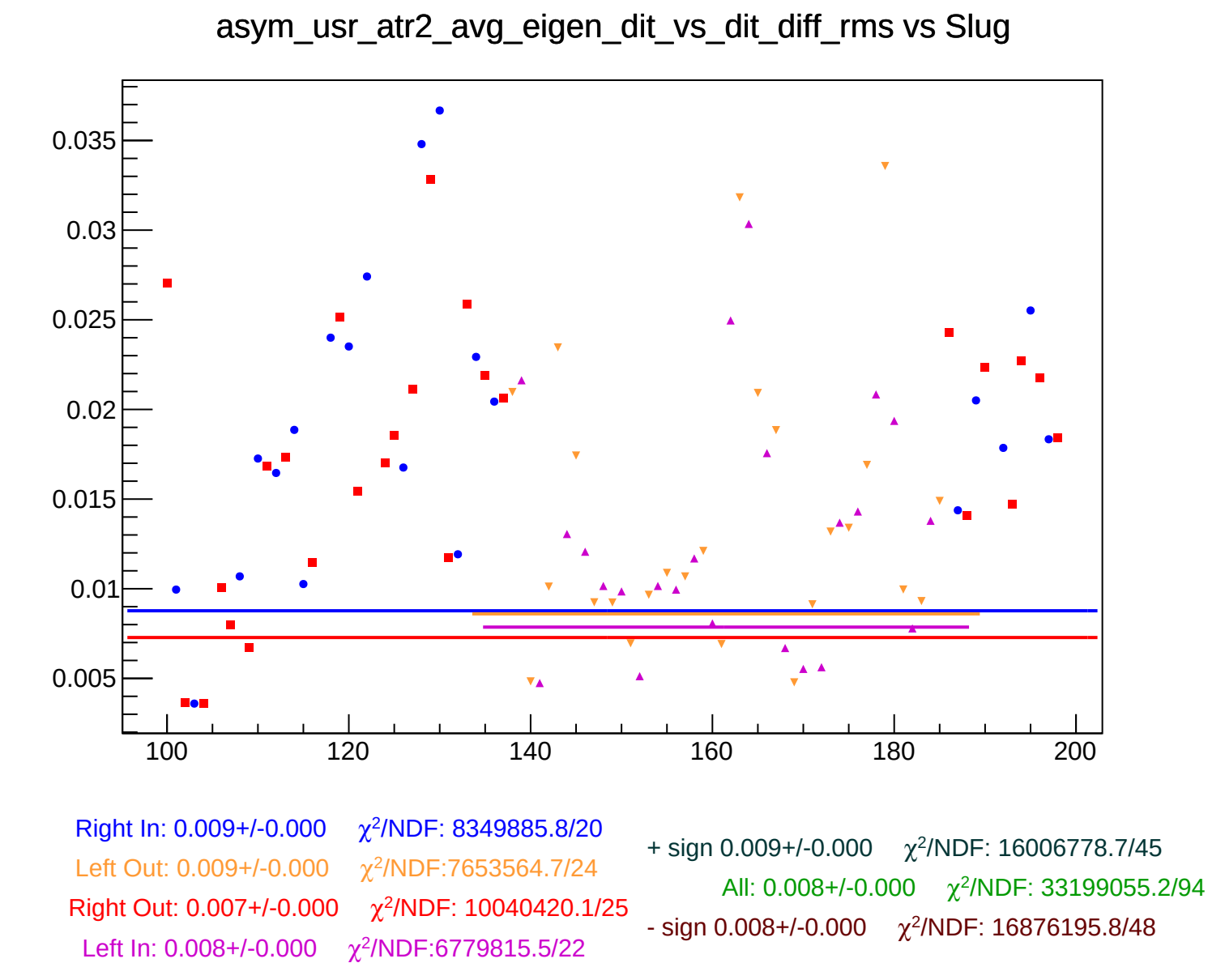
Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/25

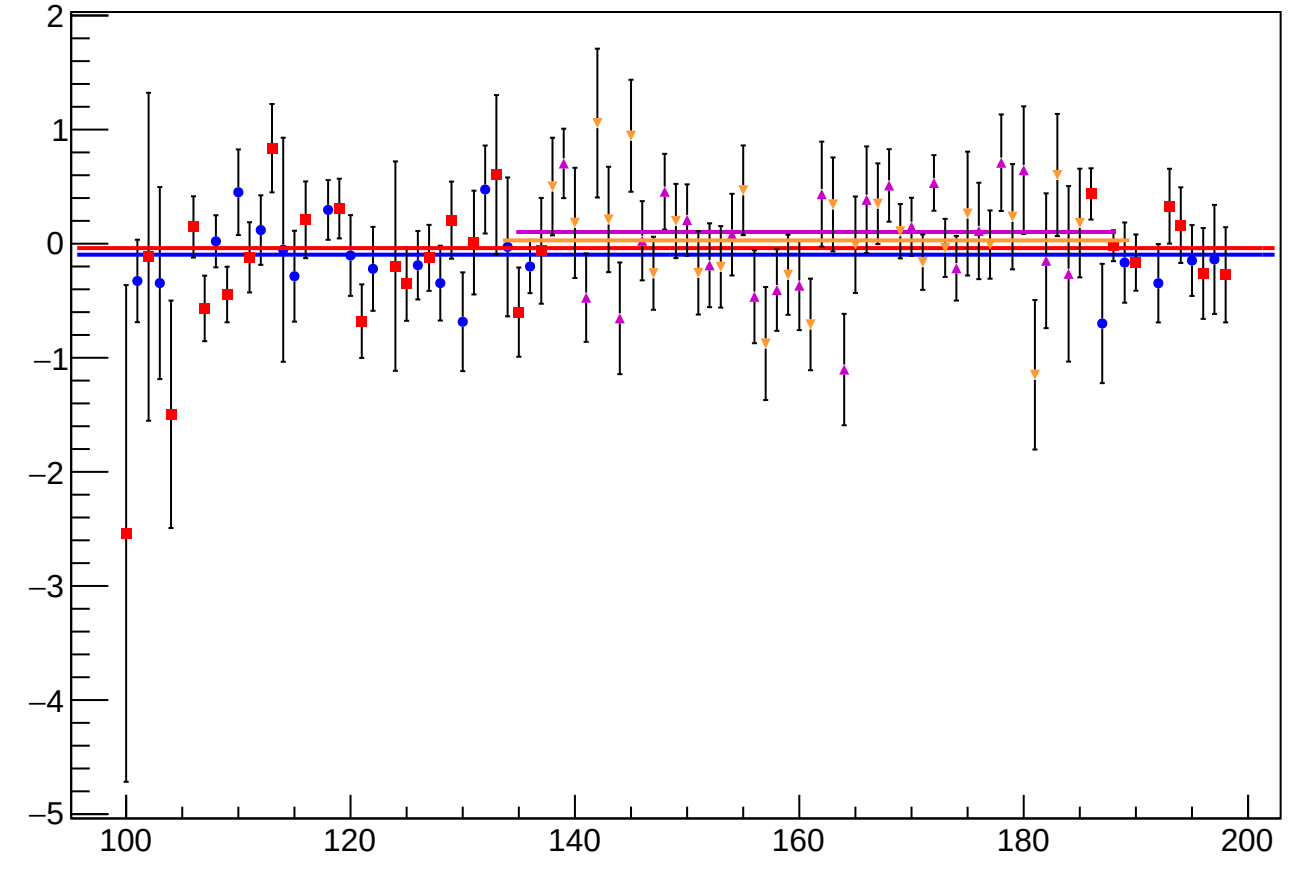
Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.6/45

All: -0.000+/-0.000 χ^2/NDF: 129.0/94

- sign 0.000+/-0.000 χ^2/NDF: 60.2/48


asym_usr_atr2_avg_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: 0.009+/-0.000 χ²/NDF: 8349885.8/20
Left Out: 0.009+/-0.000 χ²/NDF:7653564.7/24
Right Out: 0.007+/-0.000 χ²/NDF: 10040420.1/25
Left In: 0.008+/-0.000 χ²/NDF:6779815.5/22
+ sign 0.009+/-0.000 χ²/NDF: 16006778.7/45
All: 0.008+/-0.000 χ²/NDF: 33199055.2/94
- sign 0.008+/-0.000 χ²/NDF: 16876195.8/48



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

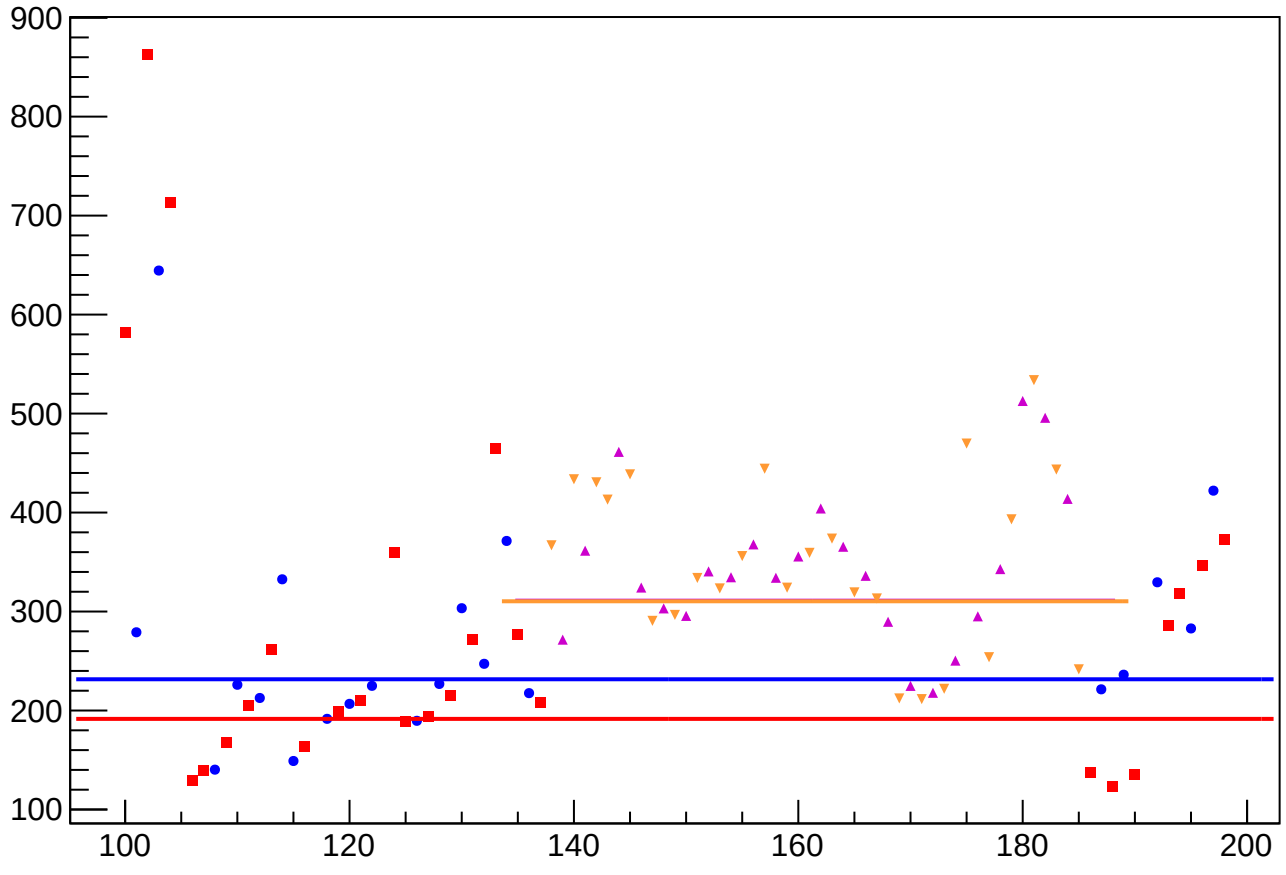
Right Out: -0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.032+/-0.053 χ^2/NDF: 39.5/45

All: -0.005+/-0.036 χ^2/NDF: 107.4/94

- sign 0.017+/-0.048 χ^2/NDF: 67.4/48



Right In: 231.570+/-0.054 χ^2/NDF: 1755714.7/20

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

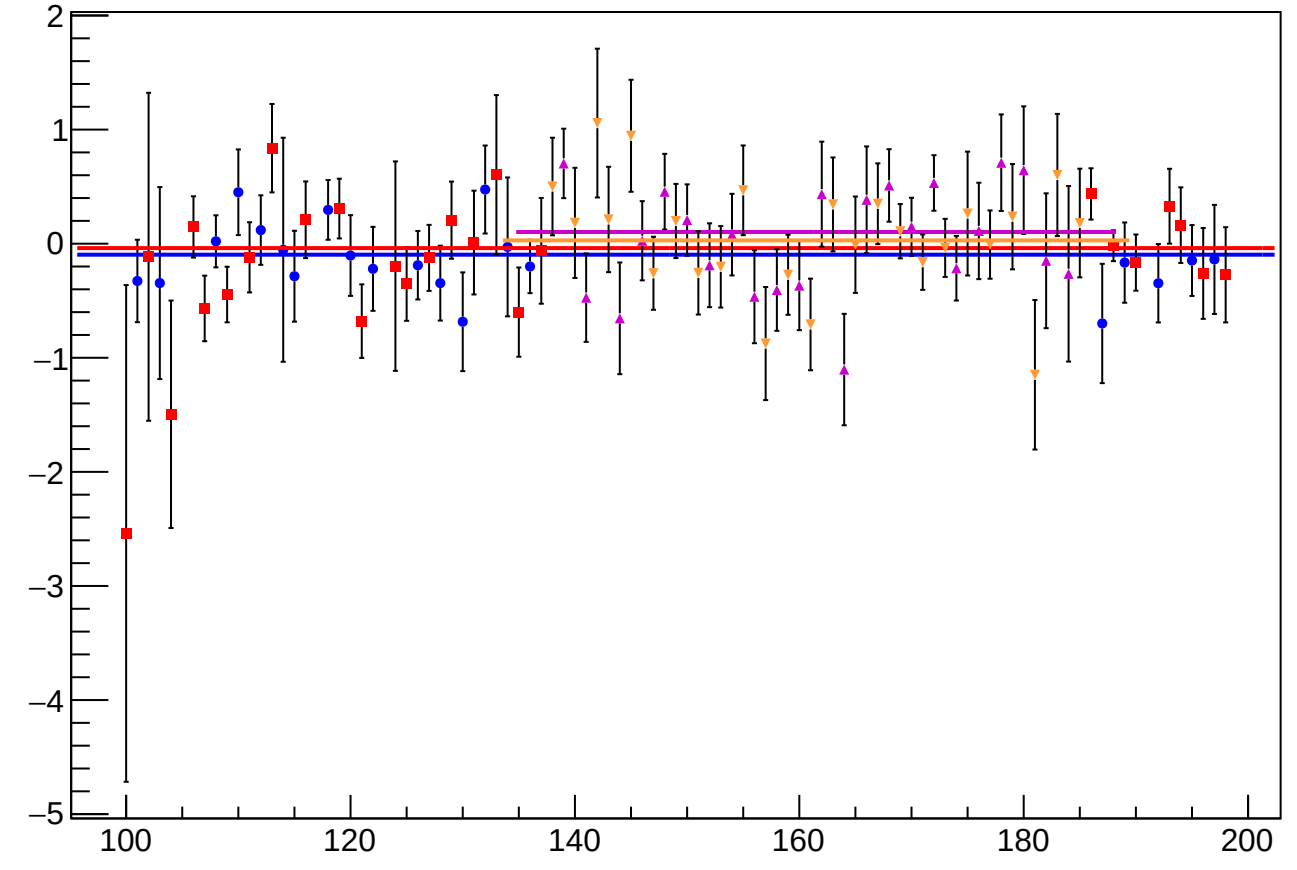
Right Out: 191.547+/-0.043 χ^2/NDF: 3747221.0/25

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 271.808+/-0.038 χ^2/NDF: 5208601.2/45

All: 253.306+/-0.025 χ^2/NDF: 13967522.9/94

- sign 238.462+/-0.034 χ^2/NDF: 8325565.9/48



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

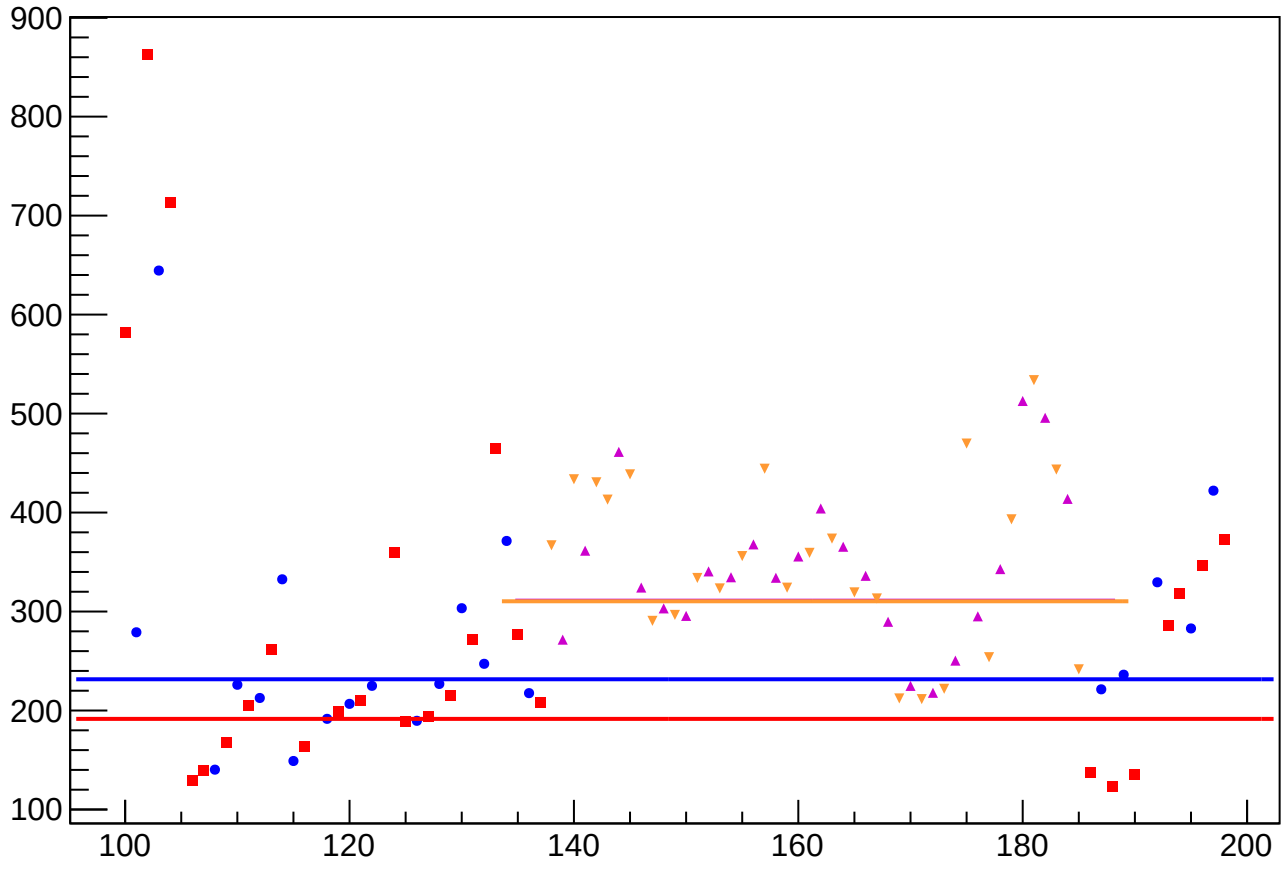
Right Out: -0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.032+/-0.053 χ^2/NDF: 39.5/45

All: -0.005+/-0.036 χ^2/NDF: 107.4/94

- sign 0.017+/-0.048 χ^2/NDF: 67.4/48



Right In: 231.570+/-0.054 χ^2/NDF: 1755714.7/20

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

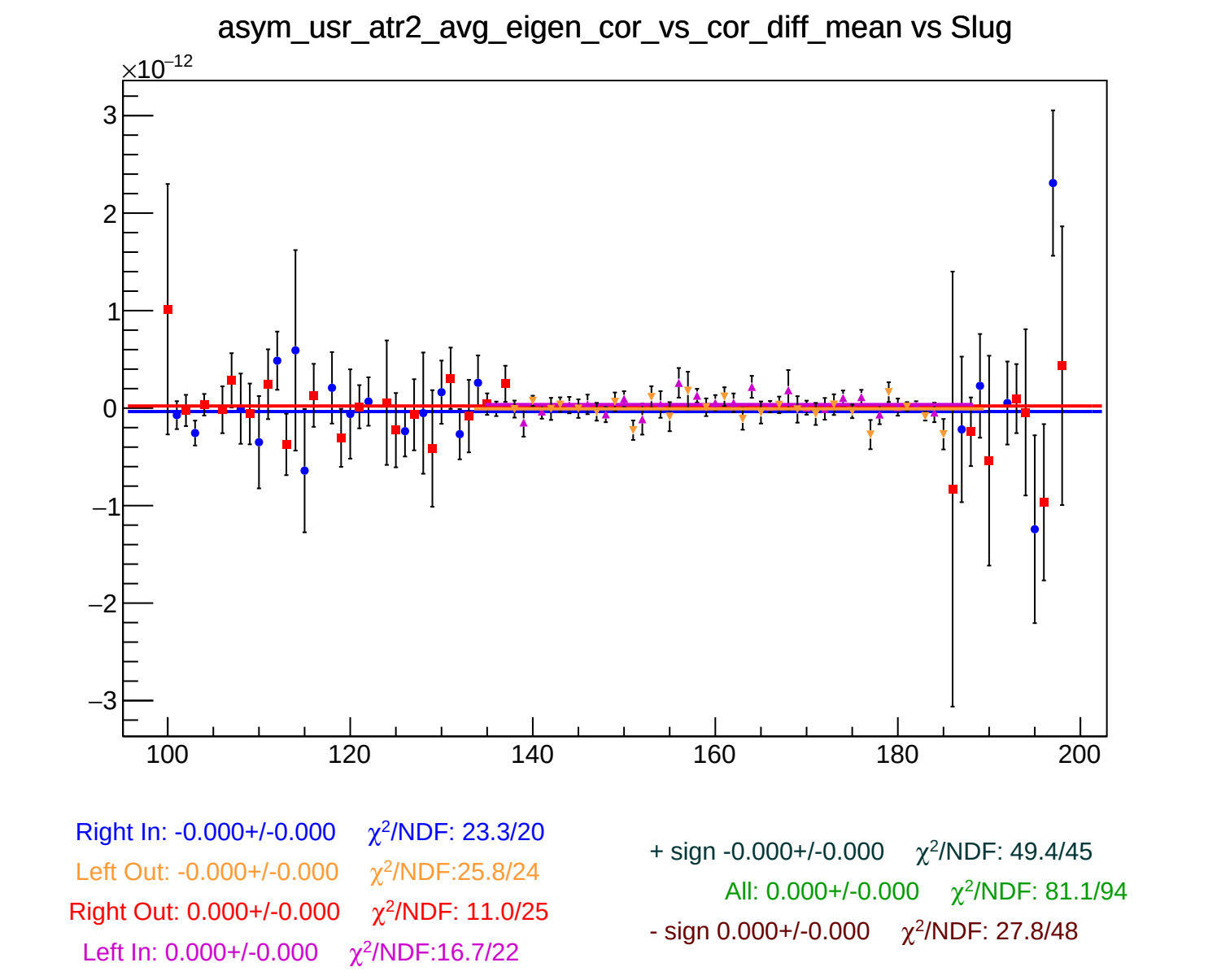
Right Out: 191.547+/-0.043 χ^2/NDF: 3747221.0/25

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 271.808+/-0.038 χ^2/NDF: 5208601.2/45

All: 253.306+/-0.025 χ^2/NDF: 13967522.9/94

- sign 238.462+/-0.034 χ^2/NDF: 8325565.9/48


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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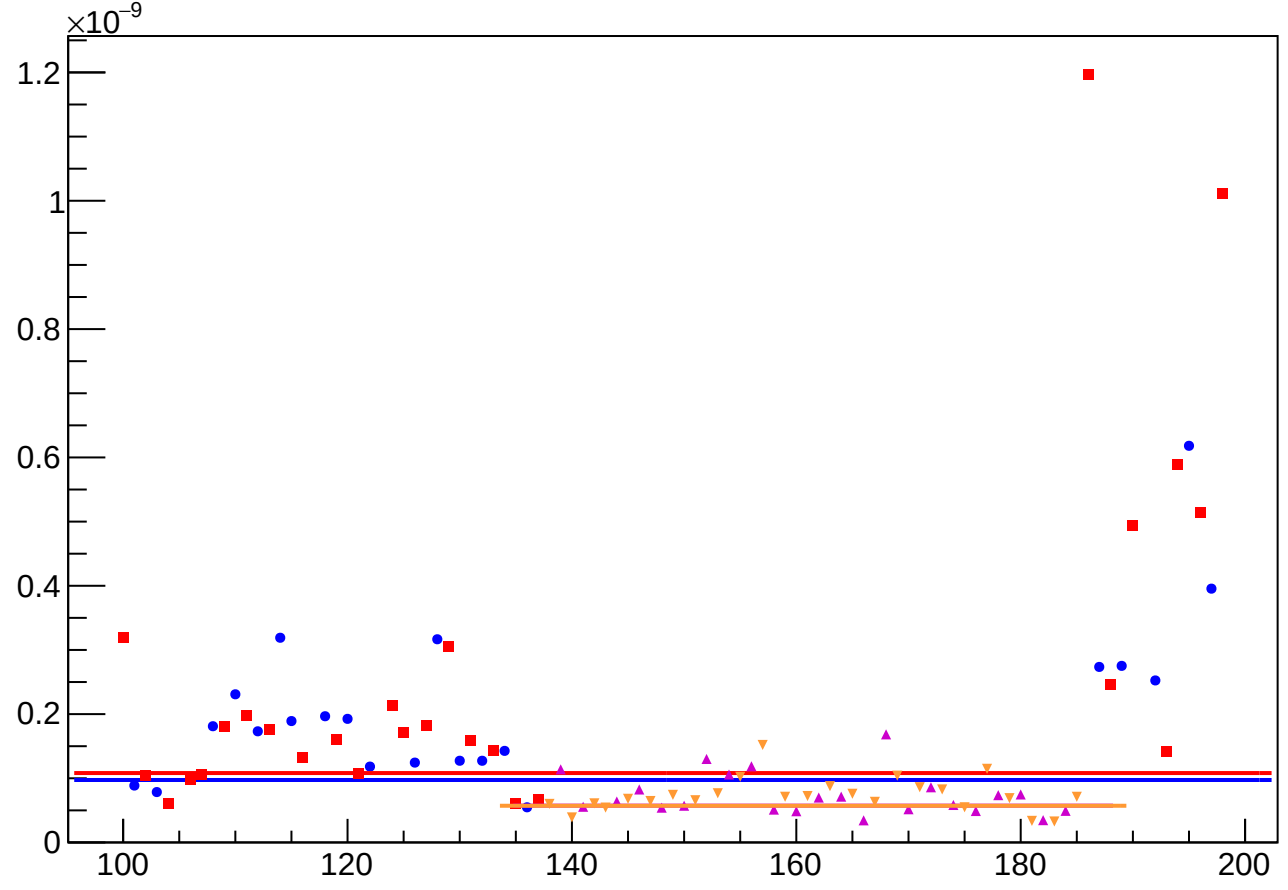
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.3/20
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 11.0/25
Left In: 0.000+/-0.000 χ²/NDF:16.7/22
+ sign -0.000+/-0.000 χ²/NDF: 49.4/45
All: 0.000+/-0.000 χ²/NDF: 81.1/94
- sign 0.000+/-0.000 χ²/NDF: 27.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 3354999.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4776415.8/25

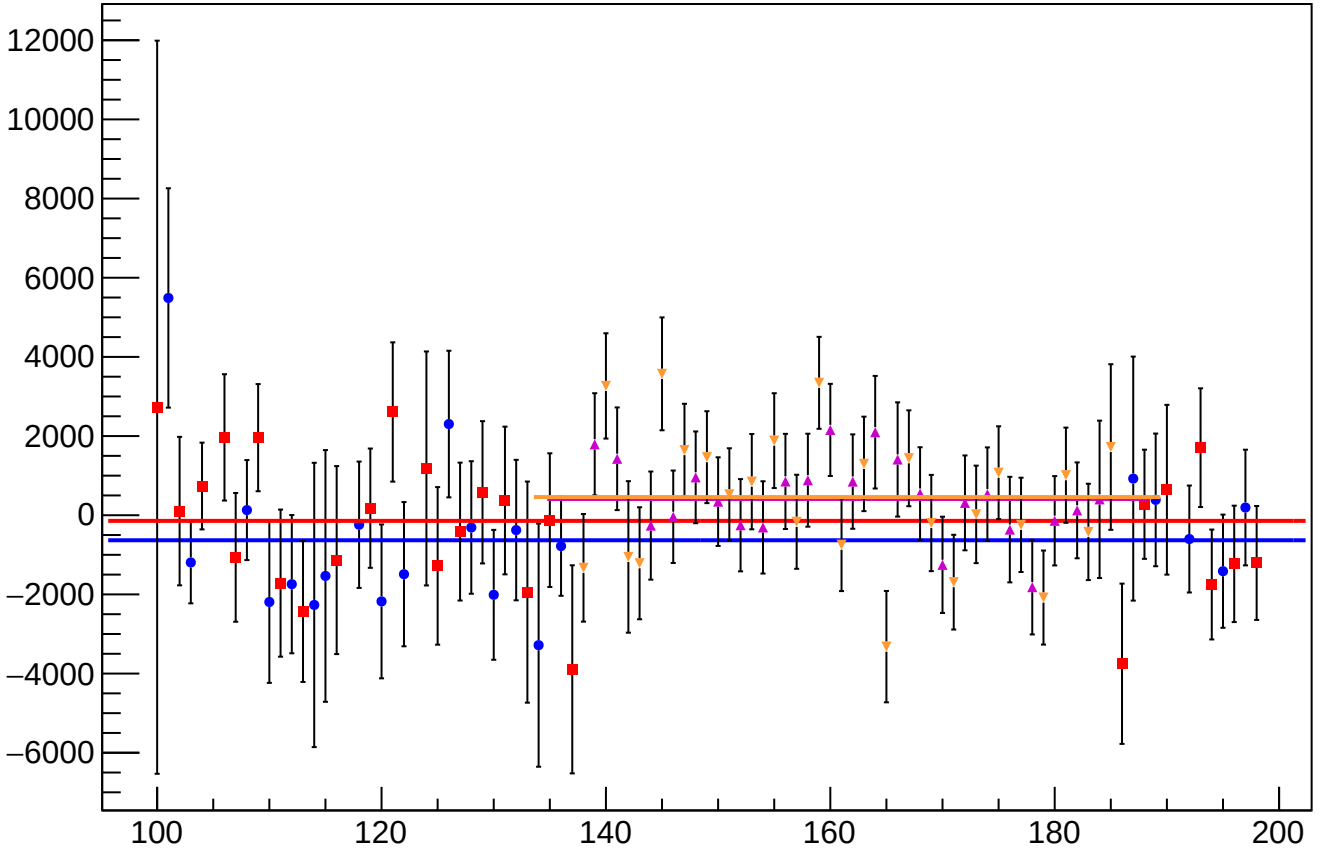
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7883988.2/45

All: 0.000+/-0.000 χ^2/NDF: 17761230.9/94

- sign 0.000+/-0.000 χ^2/NDF: 9871470.5/48

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -632.386+/-366.573 χ^2/NDF: 13.0/20

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -142.045+/-337.023 χ^2/NDF: 20.9/25

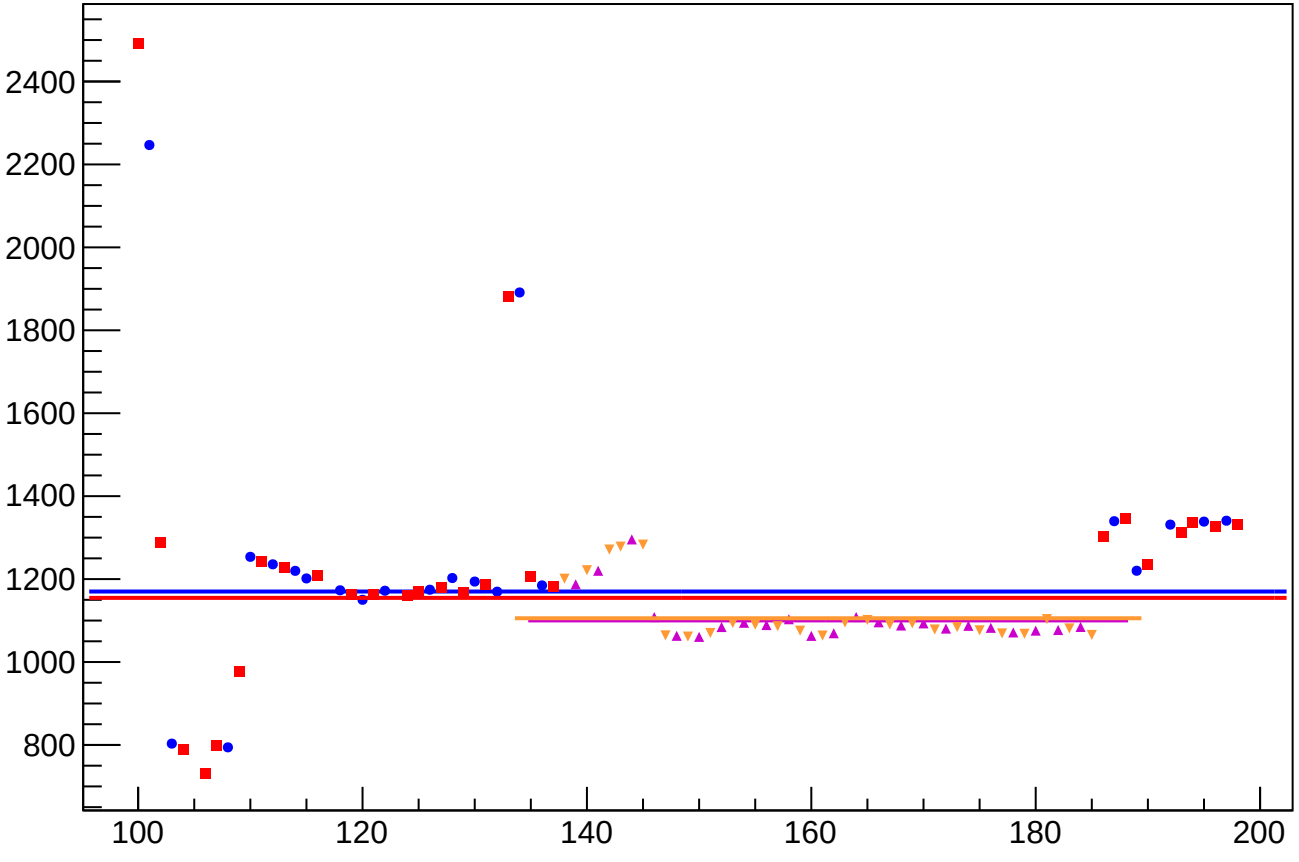
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 109.474+/-207.405 χ^2/NDF: 61.1/45

All: 159.247+/-145.606 χ^2/NDF: 97.5/94

- sign 207.617+/-204.463 χ^2/NDF: 36.2/48

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1170.028+/-0.259 χ^2/NDF: 941331.8/20

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

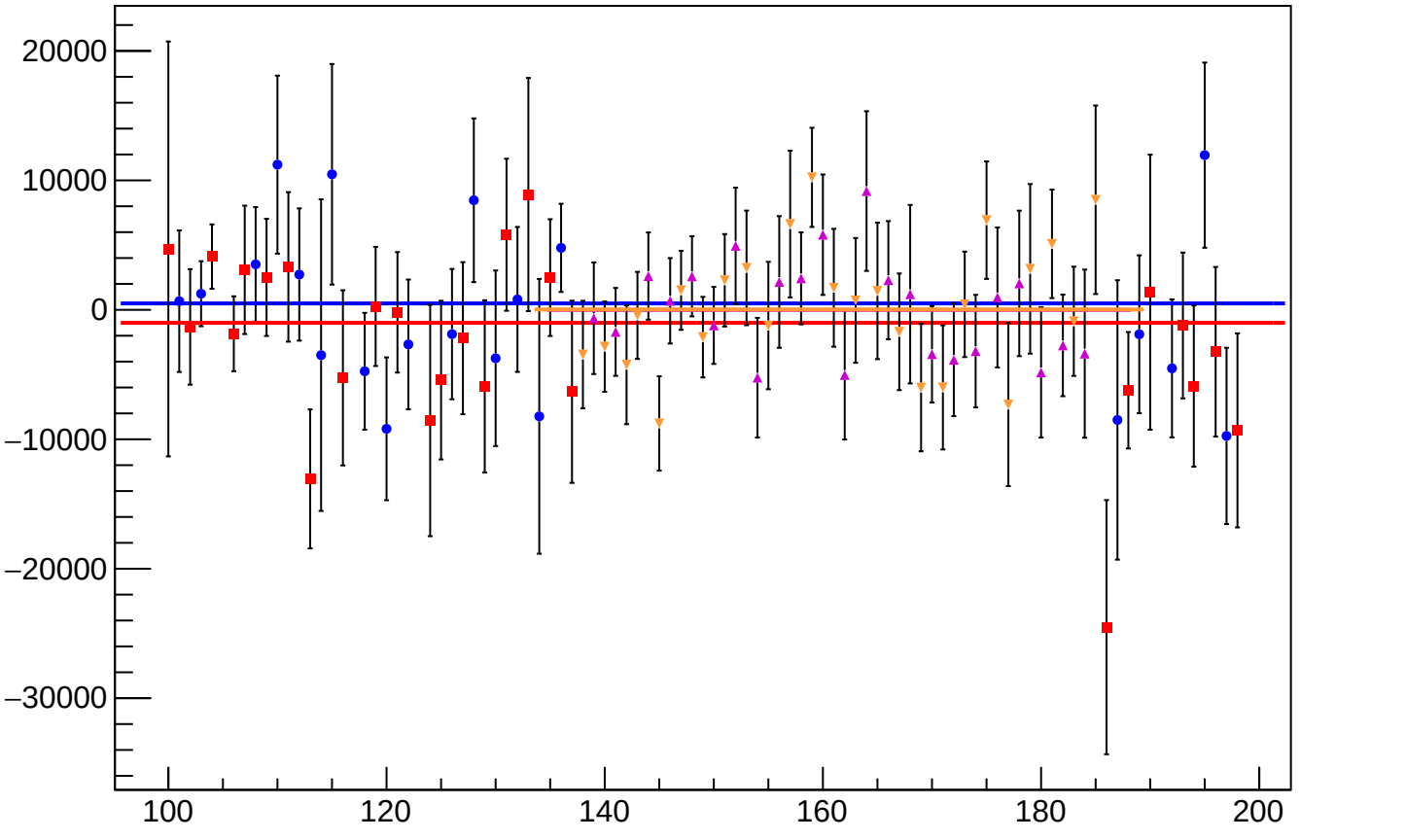
Right Out: 1154.697+/-0.237 χ^2/NDF: 893595.3/25

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1126.190+/-0.147 χ^2/NDF: 1105352.0/45

All: 1123.295+/-0.103 χ^2/NDF: 2113052.4/94

- sign 1120.494+/-0.144 χ^2/NDF: 1006933.8/48



Right In: 495.599+/-1139.758 χ^2/NDF: 20.5/20

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -1005.690+/-1013.753 χ^2/NDF: 26.5/25

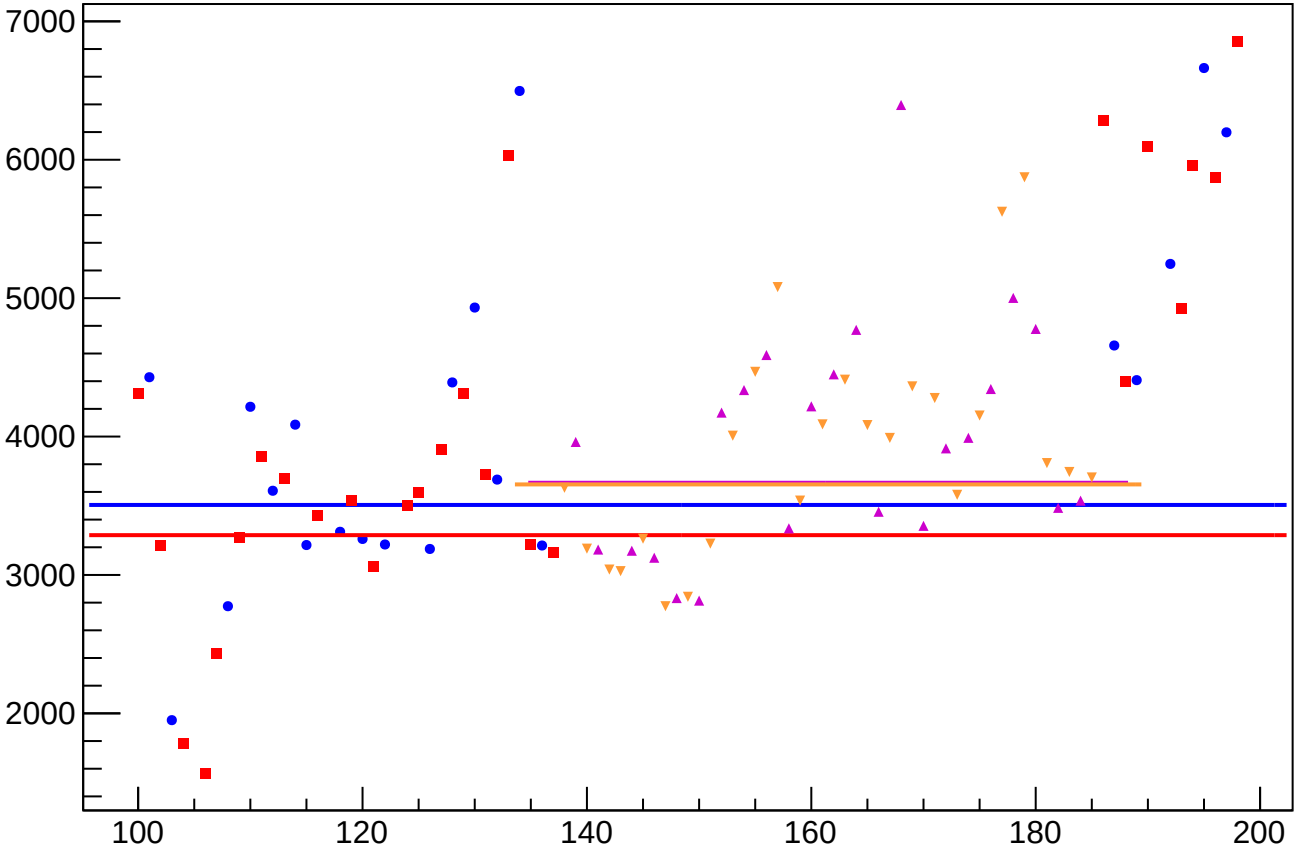
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 192.246+/-681.588 χ^2/NDF: 49.1/45

All: -129.319+/-475.062 χ^2/NDF: 90.6/94

- sign -433.124+/-662.497 χ^2/NDF: 41.0/48

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3505.886+/-0.806 χ^2/NDF: 2214734.3/20

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3287.604+/-0.717 χ^2/NDF: 3573508.2/25

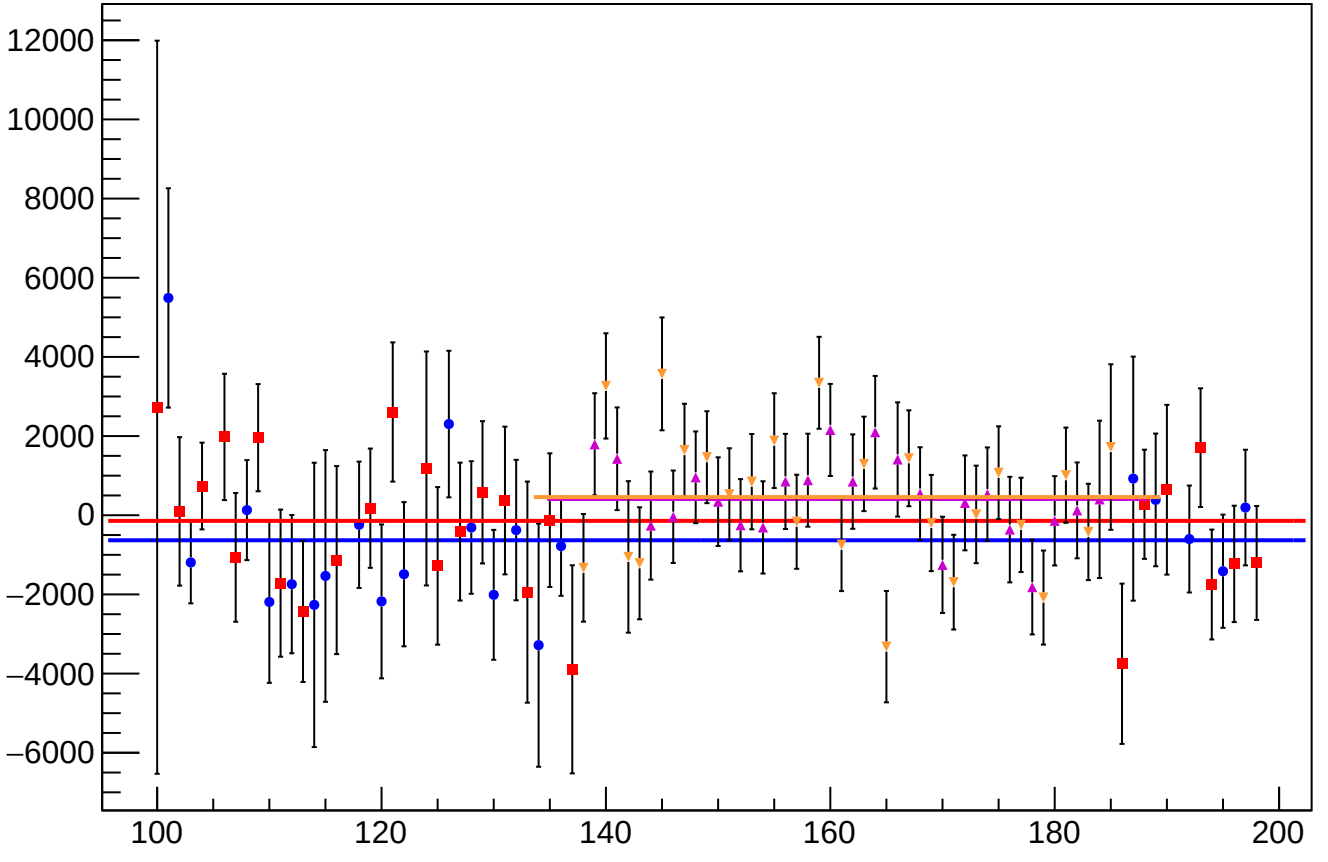
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3601.159+/-0.482 χ^2/NDF: 3548250.4/45

All: 3551.438+/-0.336 χ^2/NDF: 8645911.0/94

- sign 3504.464+/-0.468 χ^2/NDF: 5076962.8/48

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -632.387+/-366.573 χ^2/NDF: 13.0/20

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -141.855+/-337.026 χ^2/NDF: 20.9/25

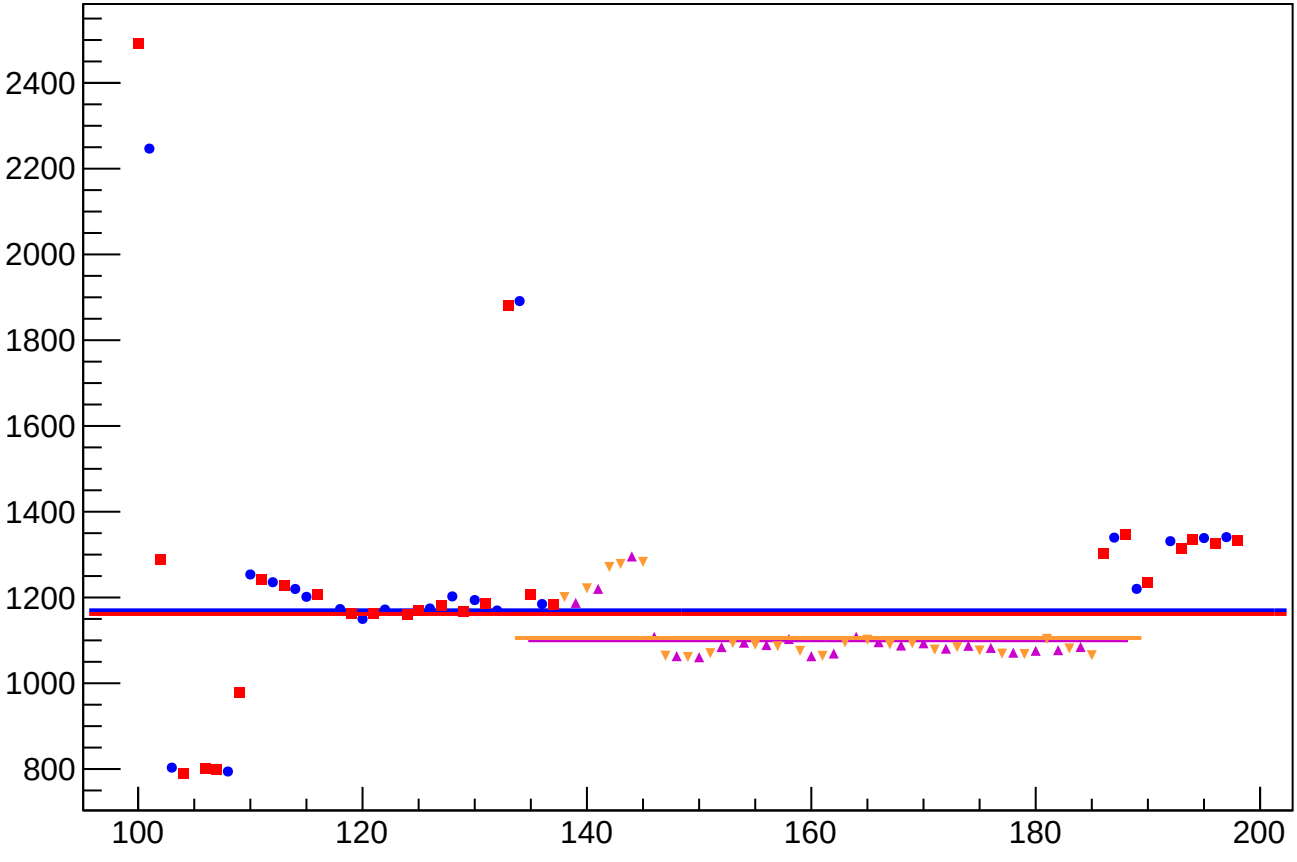
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 109.516+/-207.405 χ^2/NDF: 61.1/45

All: 159.272+/-145.606 χ^2/NDF: 97.5/94

- sign 207.627+/-204.463 χ^2/NDF: 36.2/48

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1170.028+/-0.259 χ^2/NDF: 941327.6/20

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1161.623+/-0.238 χ^2/NDF: 820568.9/25

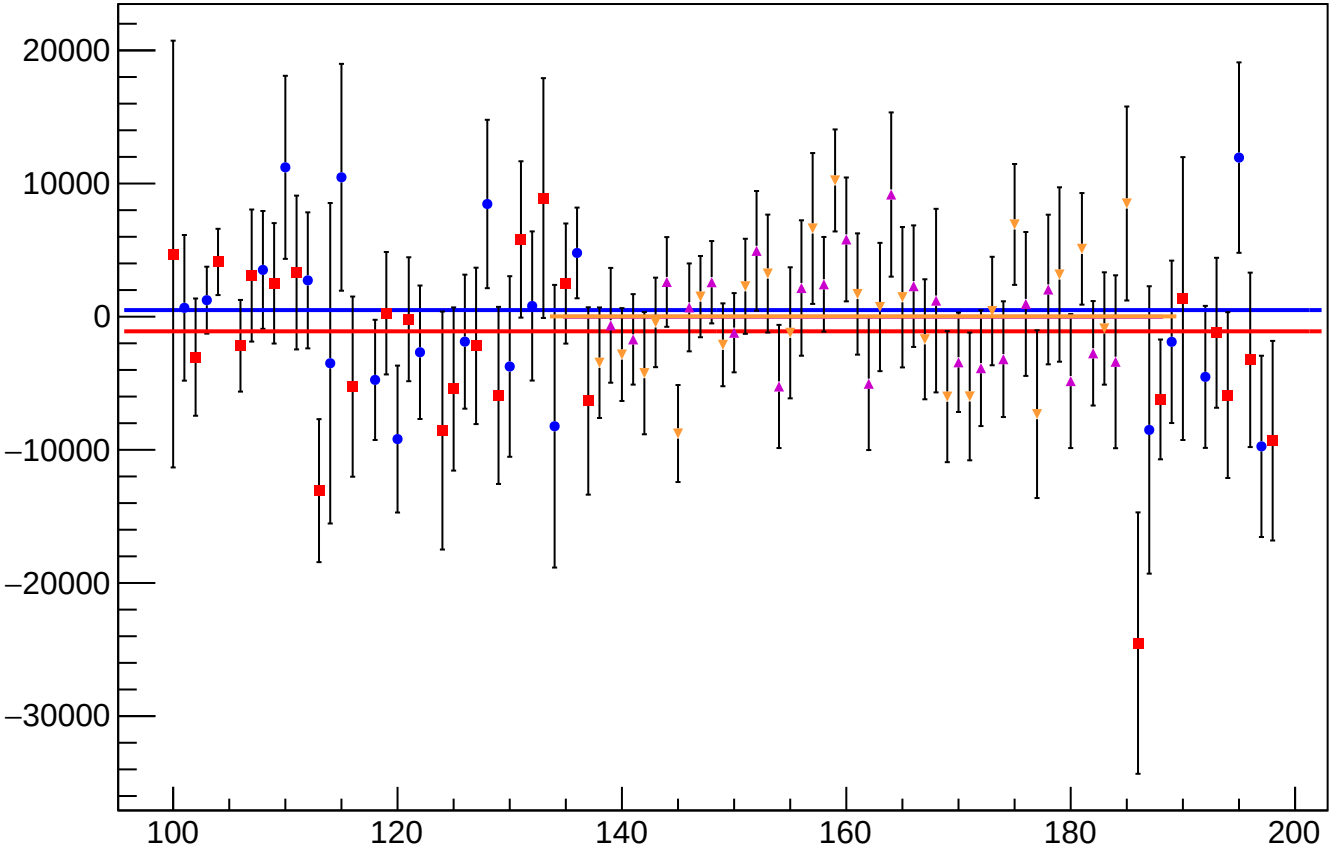
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1126.190+/-0.147 χ^2/NDF: 1105348.4/45

All: 1124.540+/-0.103 χ^2/NDF: 2048251.4/94

- sign 1122.938+/-0.145 χ^2/NDF: 942653.5/48

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 495.117+/-1139.797 χ^2/NDF: 20.5/20

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1099.330+/-1031.740 χ^2/NDF: 26.7/25

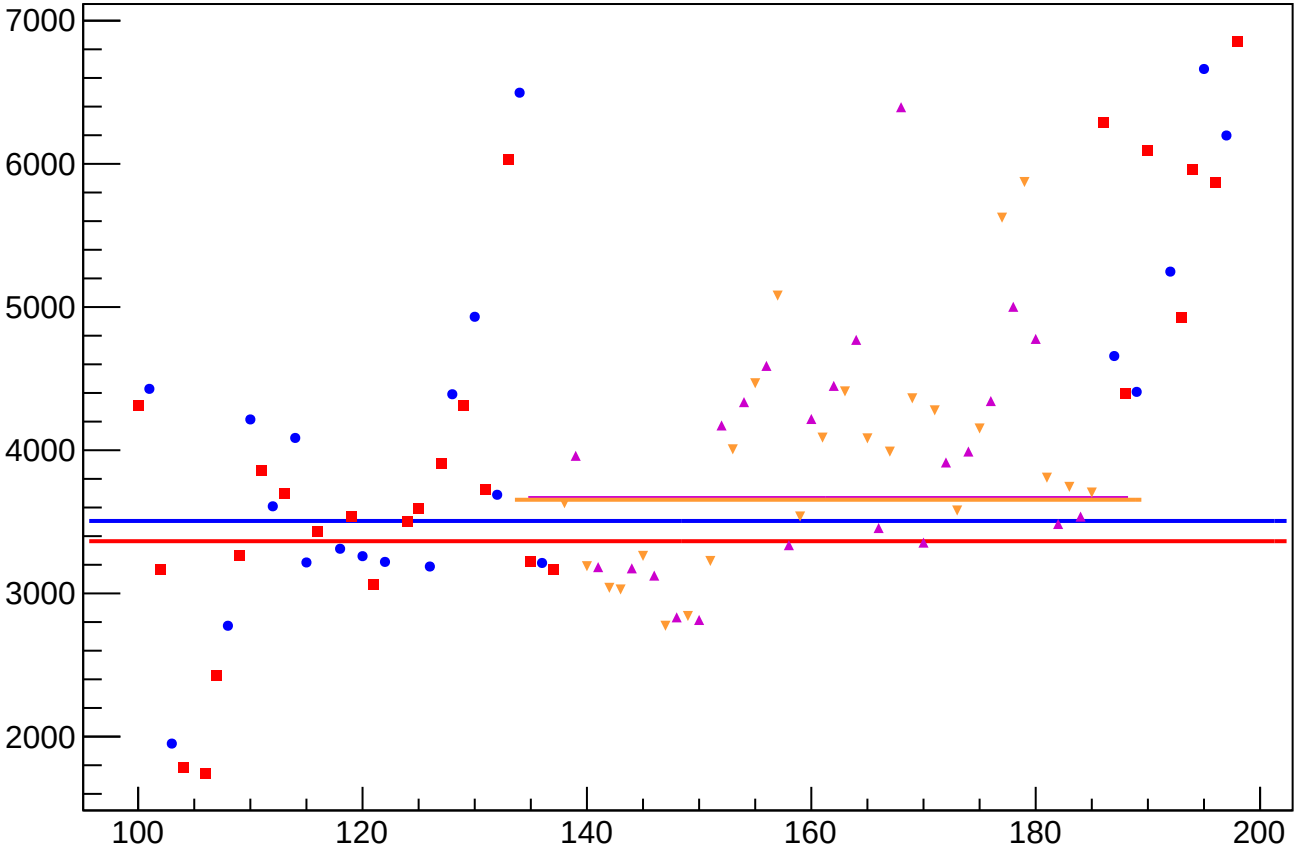
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 192.064+/-681.596 χ^2/NDF: 49.1/45

All: -142.730+/-476.878 χ^2/NDF: 90.9/94

- sign -463.762+/-667.441 χ^2/NDF: 41.4/48

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3506.066+/-0.806 χ^2/NDF: 2214123.6/20

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3364.728+/-0.730 χ^2/NDF: 3258034.8/25

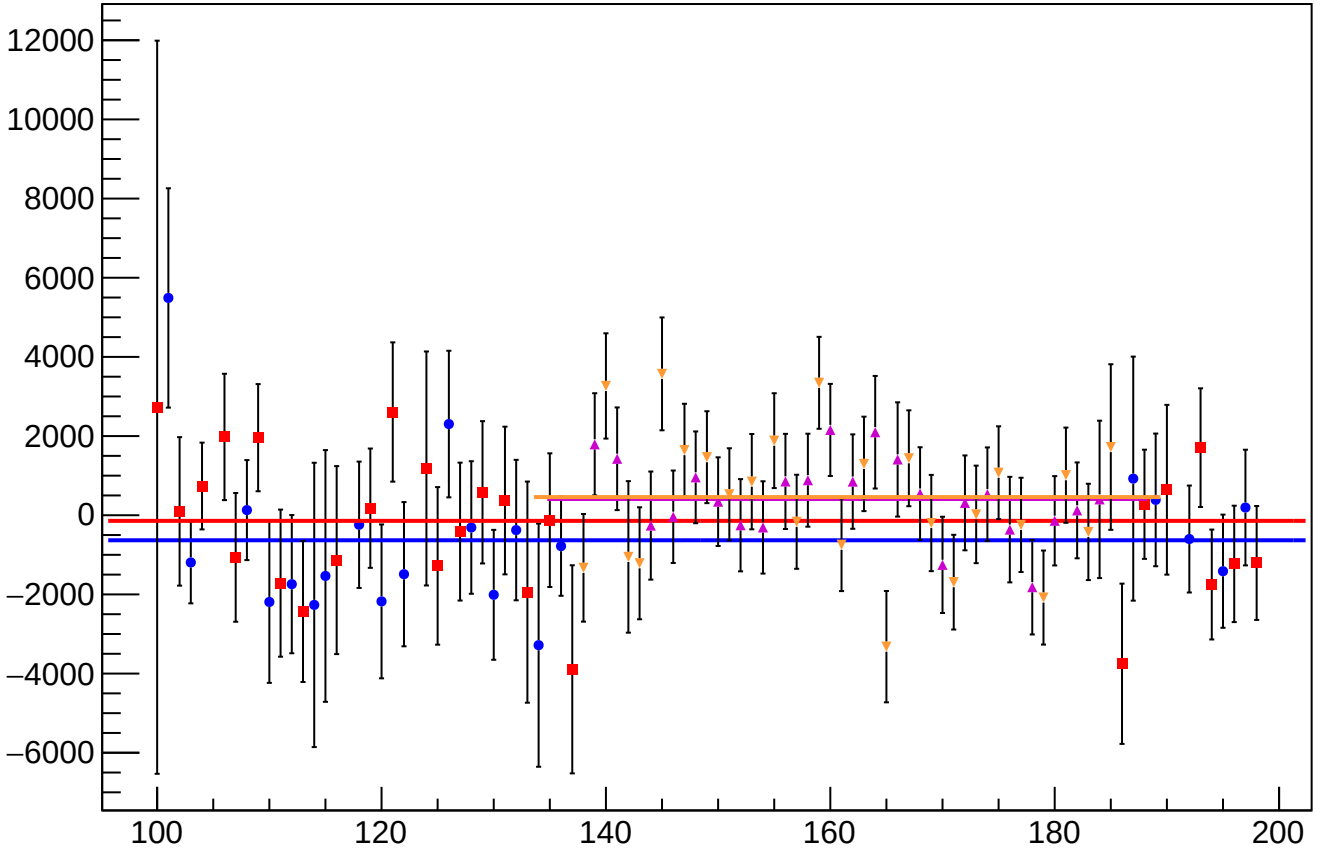
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3601.224+/-0.482 χ^2/NDF: 3547593.0/45

All: 3569.963+/-0.337 χ^2/NDF: 8256821.9/94

- sign 3539.987+/-0.472 χ^2/NDF: 4700987.7/48

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -632.387+/-366.573 χ^2/NDF: 13.0/20

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -141.855+/-337.026 χ^2/NDF: 20.9/25

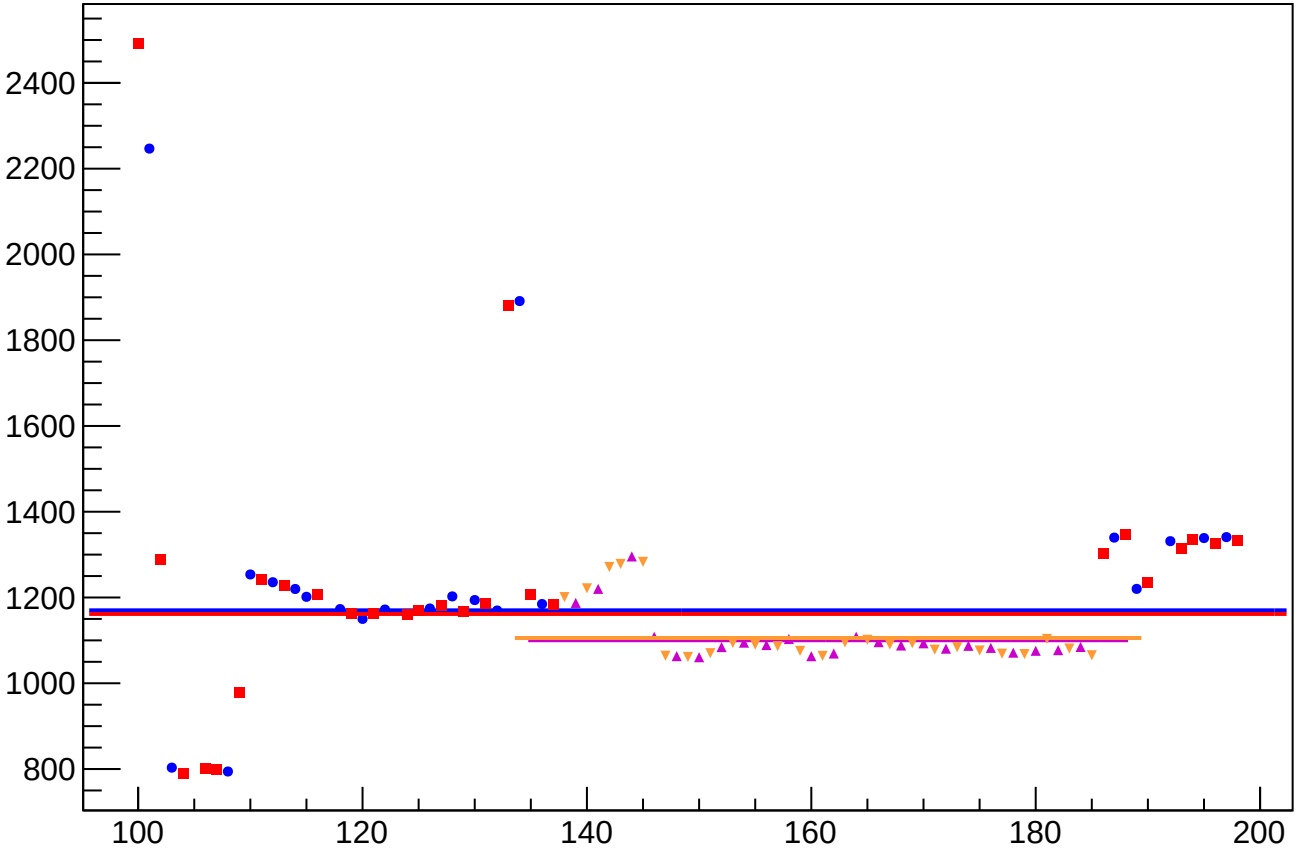
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 109.516+/-207.405 χ^2/NDF: 61.1/45

All: 159.272+/-145.606 χ^2/NDF: 97.5/94

- sign 207.627+/-204.463 χ^2/NDF: 36.2/48

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1170.028+/-0.259 χ^2/NDF: 941327.6/20

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

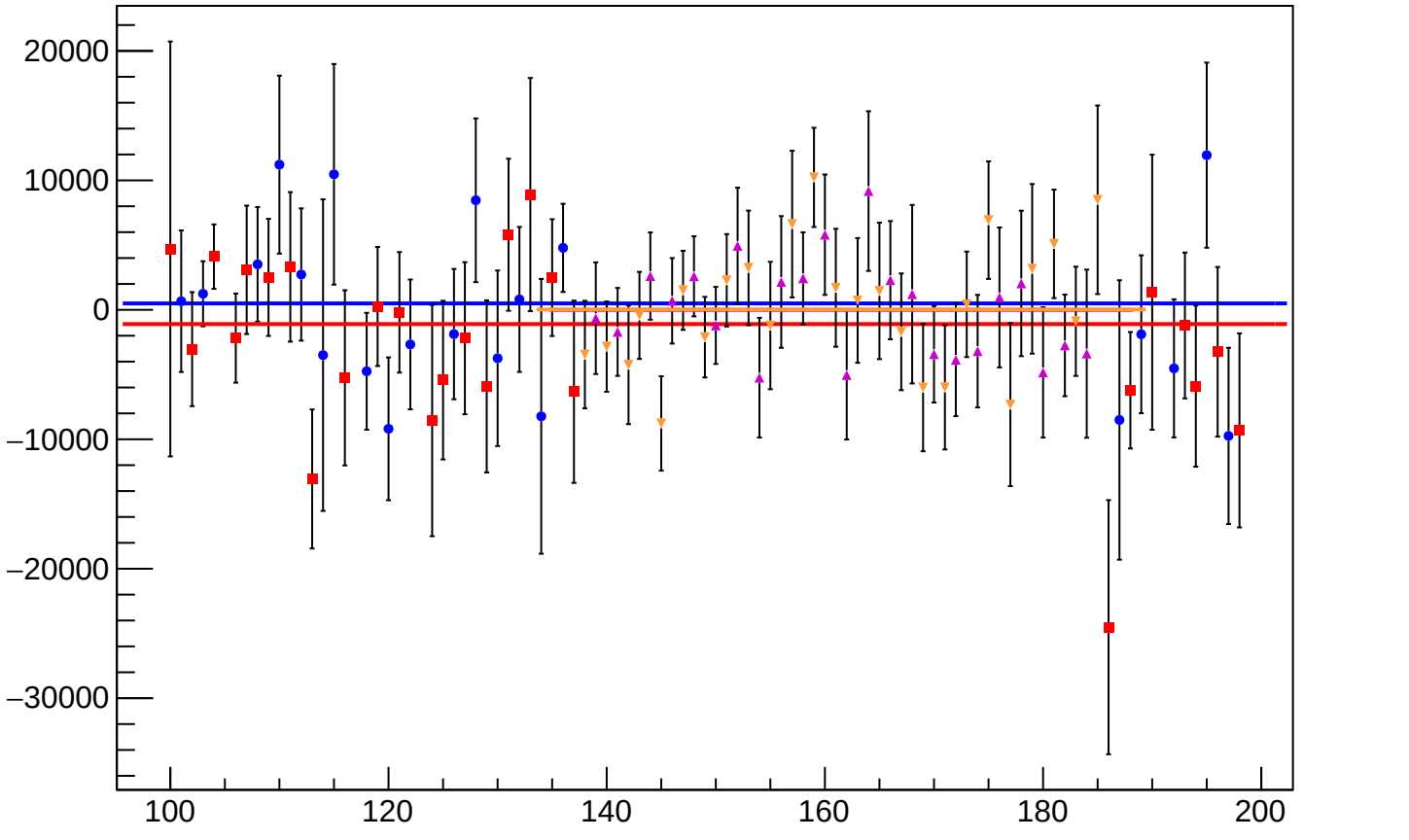
Right Out: 1161.623+/-0.238 χ^2/NDF: 820568.9/25

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1126.190+/-0.147 χ^2/NDF: 1105348.4/45

All: 1124.540+/-0.103 χ^2/NDF: 2048251.4/94

- sign 1122.938+/-0.145 χ^2/NDF: 942653.5/48



Right In: 495.117+/-1139.797 χ^2/NDF: 20.5/20

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

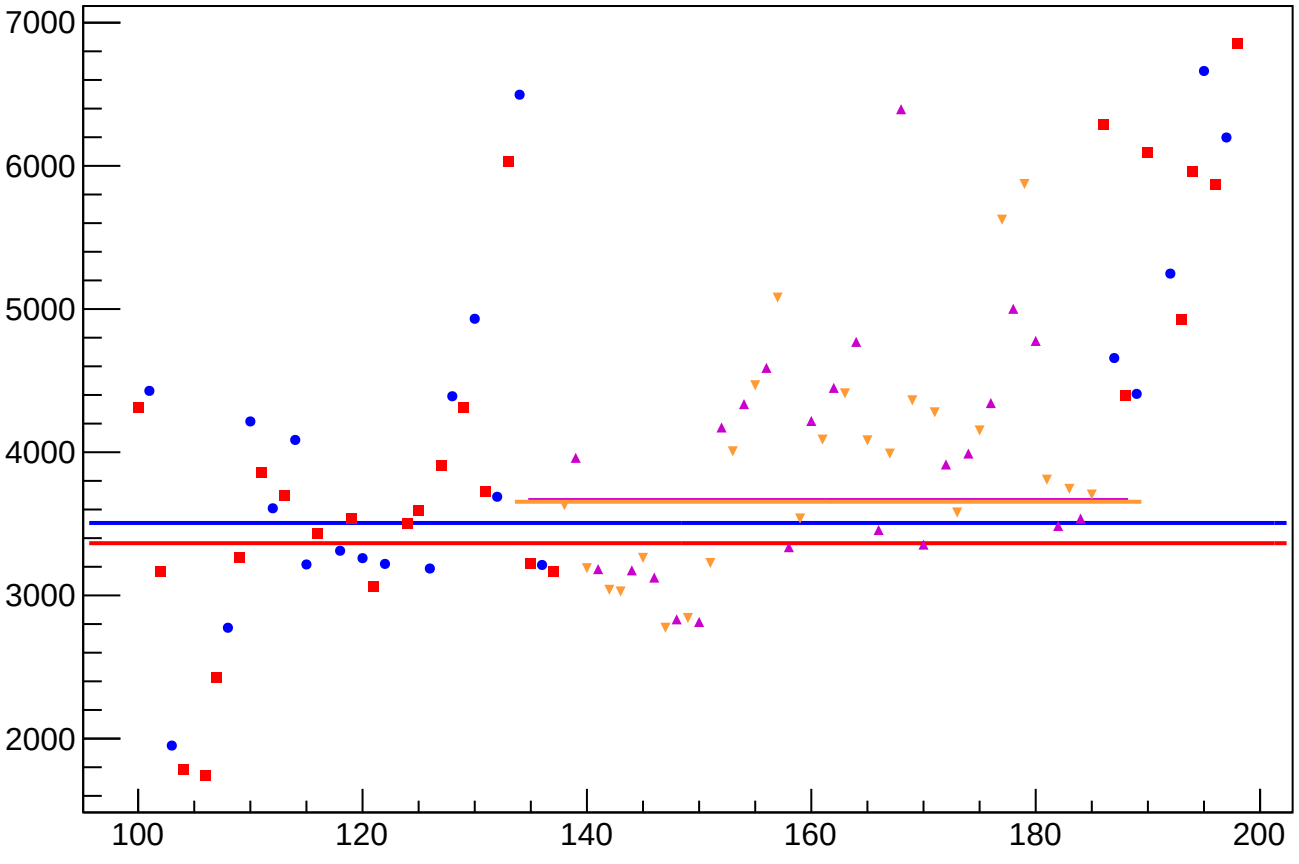
Right Out: -1099.330+/-1031.740 χ^2/NDF: 26.7/25

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 192.064+/-681.596 χ^2/NDF: 49.1/45

All: -142.730+/-476.878 χ^2/NDF: 90.9/94

- sign -463.762+/-667.441 χ^2/NDF: 41.4/48


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
7000
6000
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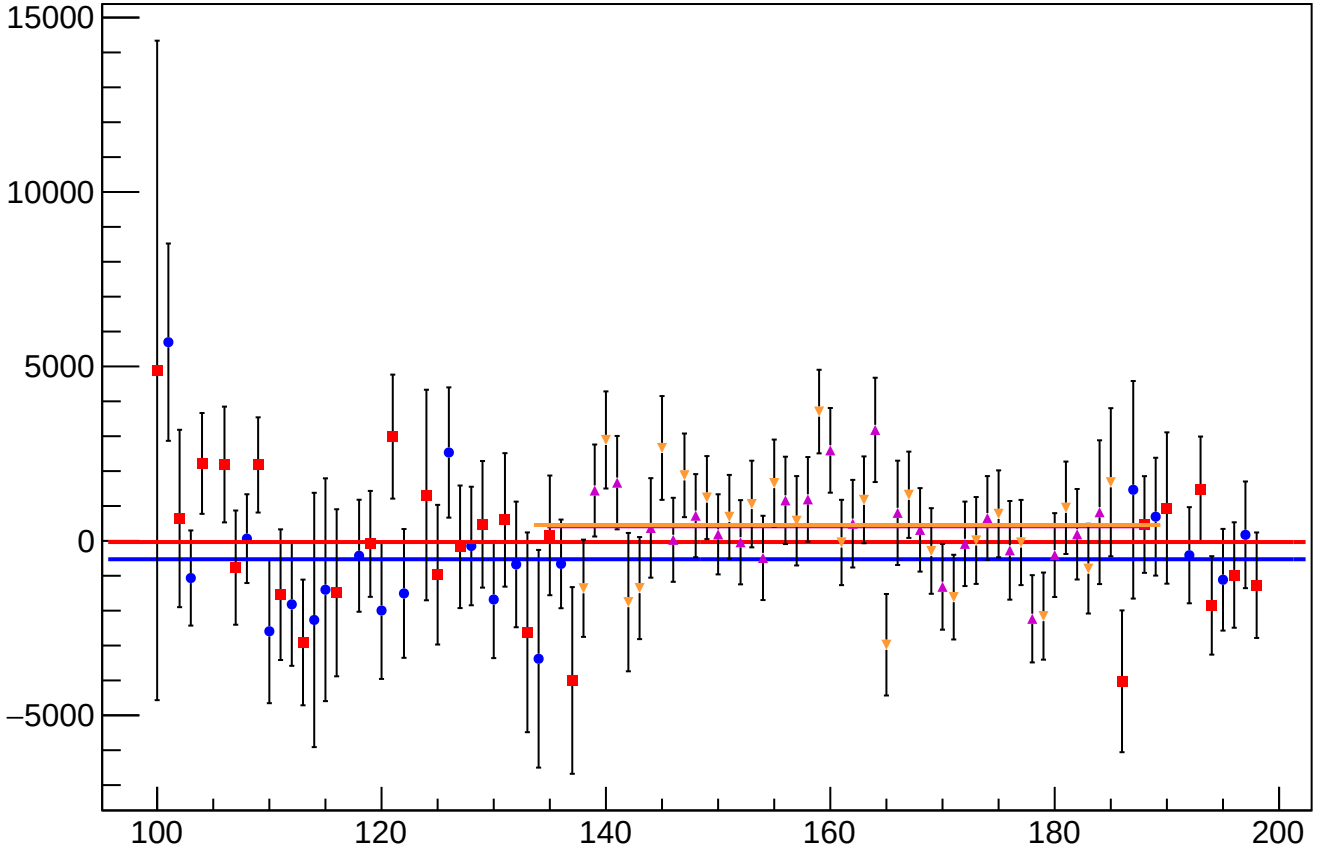
Right In: 3506.066+/-0.806 χ²/NDF: 2214123.6/20
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3364.728+/-0.730 χ²/NDF: 3258034.8/25
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
+ sign 3601.224+/-0.482 χ²/NDF: 3547593.0/45
All: 3569.963+/-0.337 χ²/NDF: 8256821.9/94
- sign 3539.987+/-0.472 χ²/NDF: 4700987.7/48

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -526.686+/-382.075 χ^2/NDF: 13.3/20

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -32.947+/-351.666 χ^2/NDF: 25.4/25

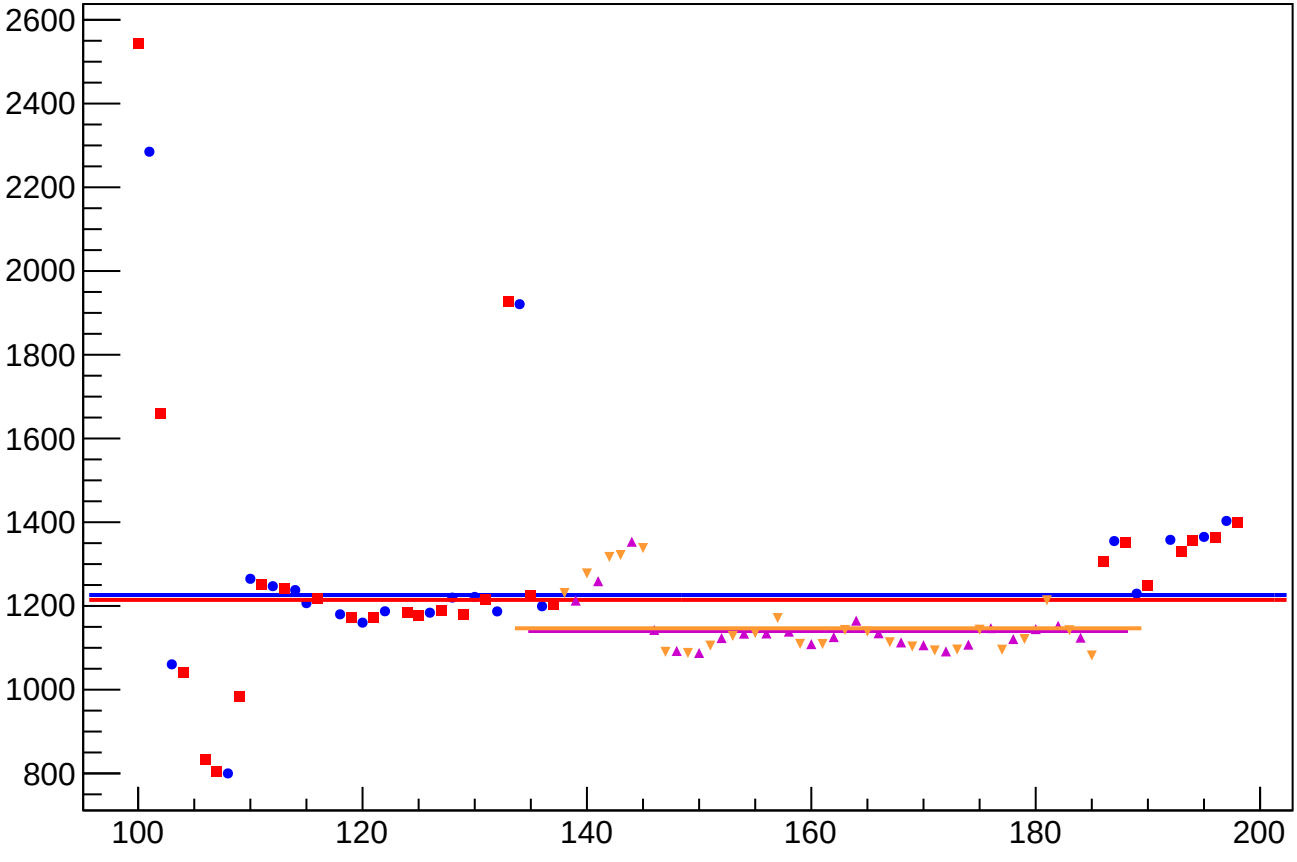
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 143.133+/-215.519 χ^2/NDF: 53.9/45

All: 198.819+/-151.295 χ^2/NDF: 97.8/94

- sign 252.926+/-212.442 χ^2/NDF: 43.8/48

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1226.172+/-0.270 χ^2/NDF: 708832.0/20

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1214.479+/-0.249 χ^2/NDF: 655369.0/25

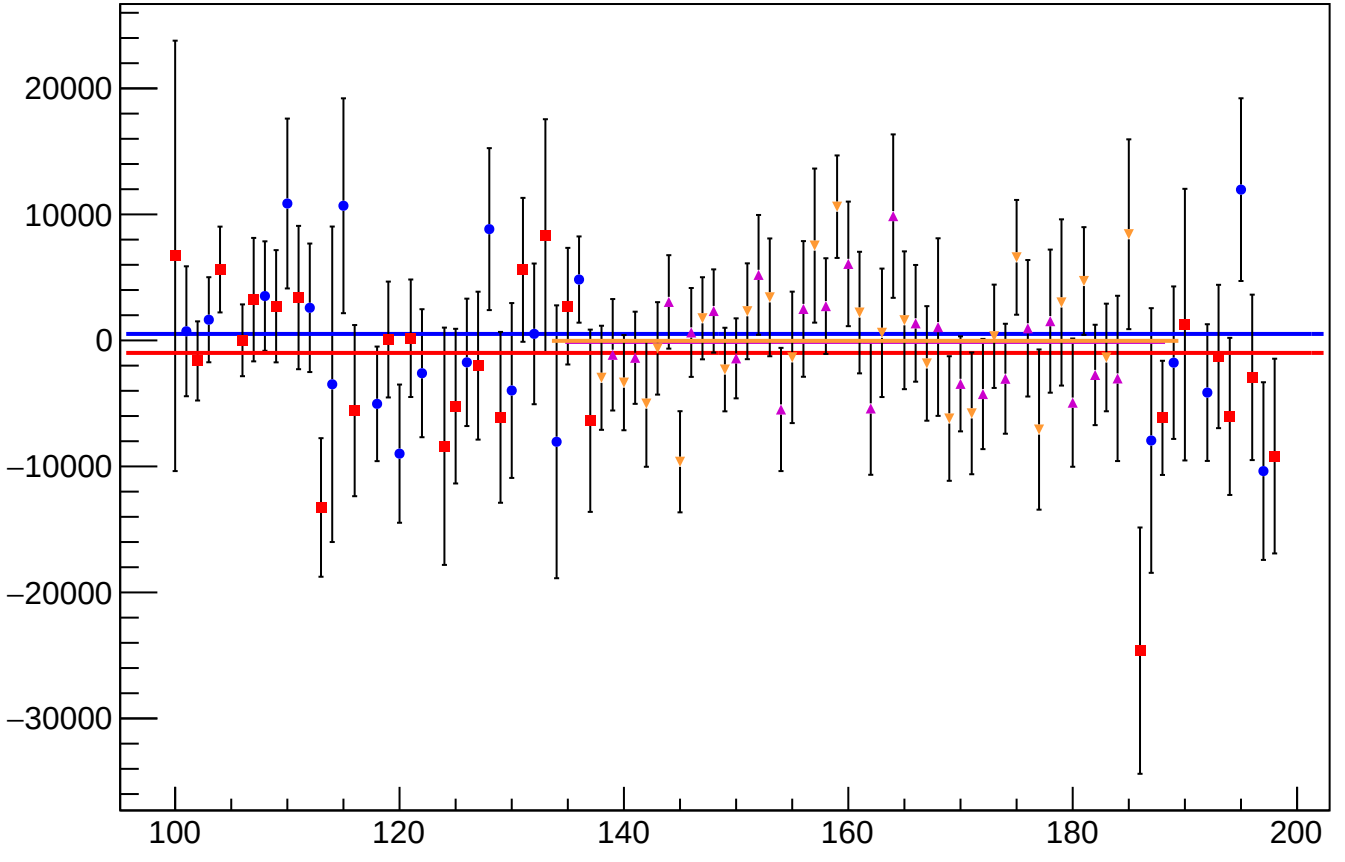
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1171.927+/-0.152 χ^2/NDF: 908972.9/45

All: 1169.579+/-0.107 χ^2/NDF: 1706282.4/94

- sign 1167.297+/-0.150 χ^2/NDF: 796841.2/48

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 514.867+/-1196.075 χ^2/NDF: 20.4/20

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -992.289+/-1027.864 χ^2/NDF: 26.0/25

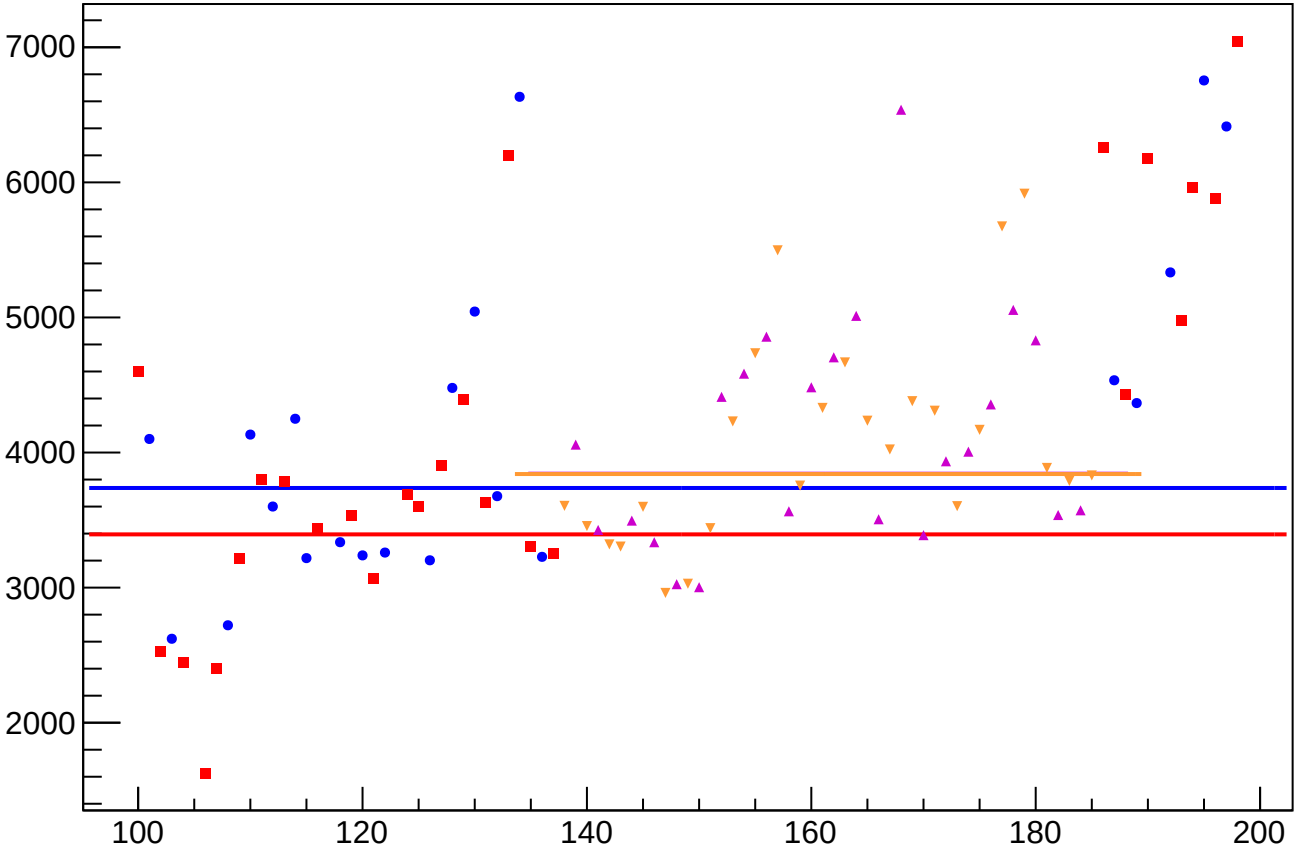
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 162.277+/-714.724 χ^2/NDF: 48.3/45

All: -186.958+/-494.065 χ^2/NDF: 88.9/94

- sign -506.564+/-683.733 χ^2/NDF: 40.2/48

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3737.651+/-0.846 χ^2/NDF: 1555262.6/20

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3394.160+/-0.727 χ^2/NDF: 3098028.3/25

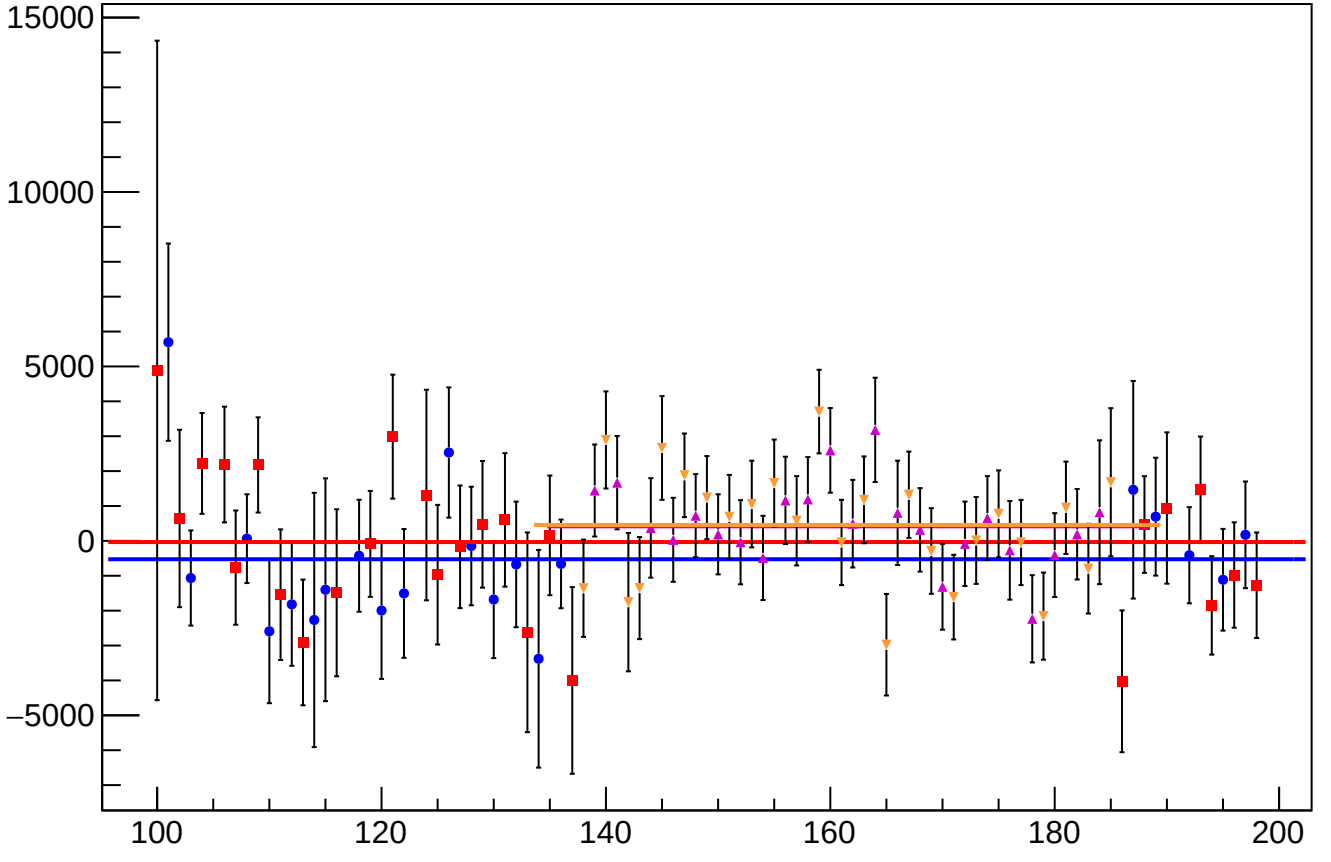
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3803.988+/-0.505 χ^2/NDF: 2683497.9/45

All: 3720.751+/-0.349 χ^2/NDF: 7242461.4/94

- sign 3644.576+/-0.483 χ^2/NDF: 4507013.2/48

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -526.689+/-382.075 χ^2/NDF: 13.3/20

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -32.944+/-351.666 χ^2/NDF: 25.4/25

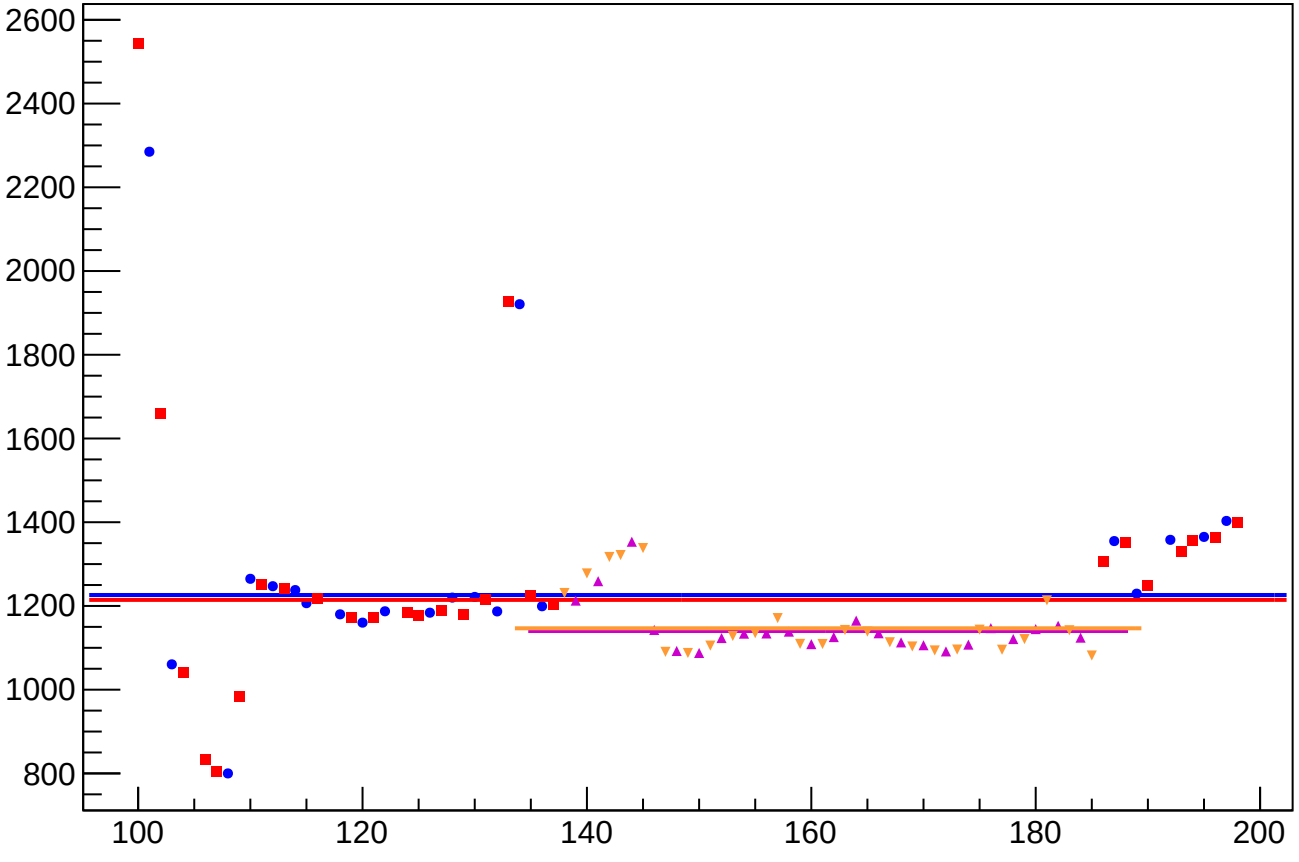
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 143.135+/-215.519 χ^2/NDF: 53.9/45

All: 198.820+/-151.295 χ^2/NDF: 97.8/94

- sign 252.926+/-212.442 χ^2/NDF: 43.8/48

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1226.172+/-0.270 χ^2/NDF: 708832.4/20

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

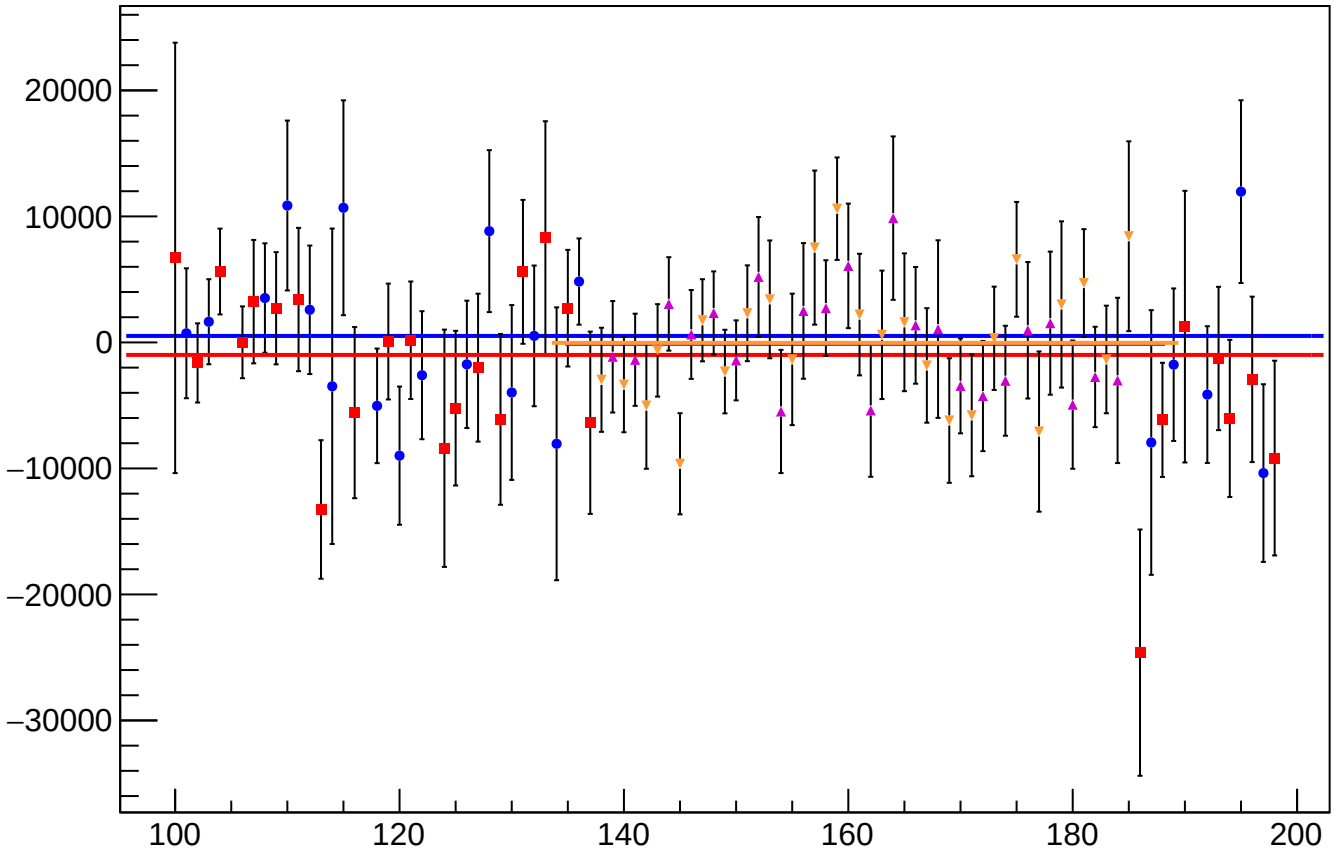
Right Out: 1214.479+/-0.249 χ^2/NDF: 655368.5/25

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1171.928+/-0.152 χ^2/NDF: 908972.1/45

All: 1169.579+/-0.107 χ^2/NDF: 1706280.0/94

- sign 1167.297+/-0.150 χ^2/NDF: 796839.6/48



Right In: 514.852+/-1196.075 χ^2/NDF: 20.4/20

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

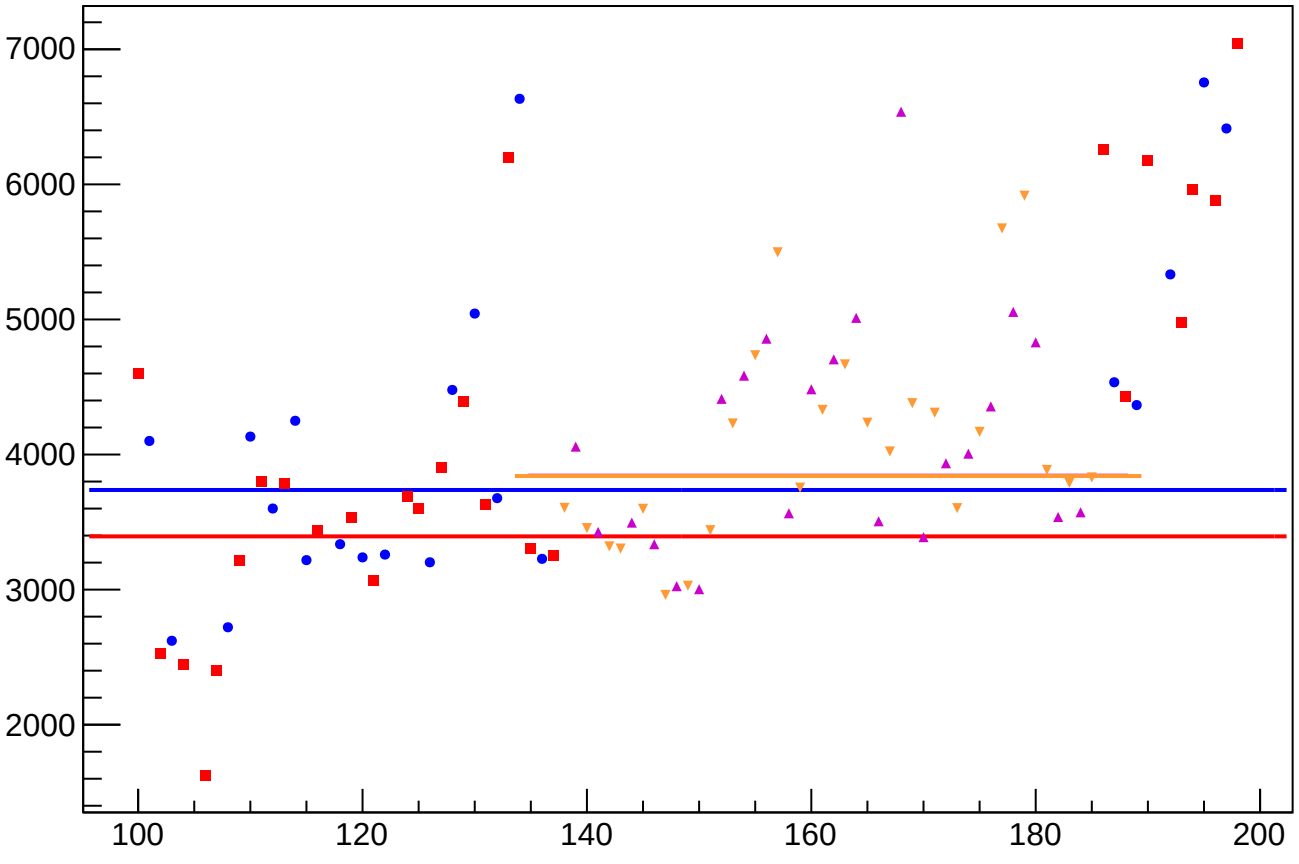
Right Out: -992.280+/-1027.863 χ^2/NDF: 26.0/25

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 162.273+/-714.724 χ^2/NDF: 48.3/45

All: -186.960+/-494.065 χ^2/NDF: 88.9/94

- sign -506.563+/-683.734 χ^2/NDF: 40.2/48



Right In: 3737.648+/-0.846 χ^2/NDF: 1555264.7/20

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3394.155+/-0.727 χ^2/NDF: 3098037.8/25

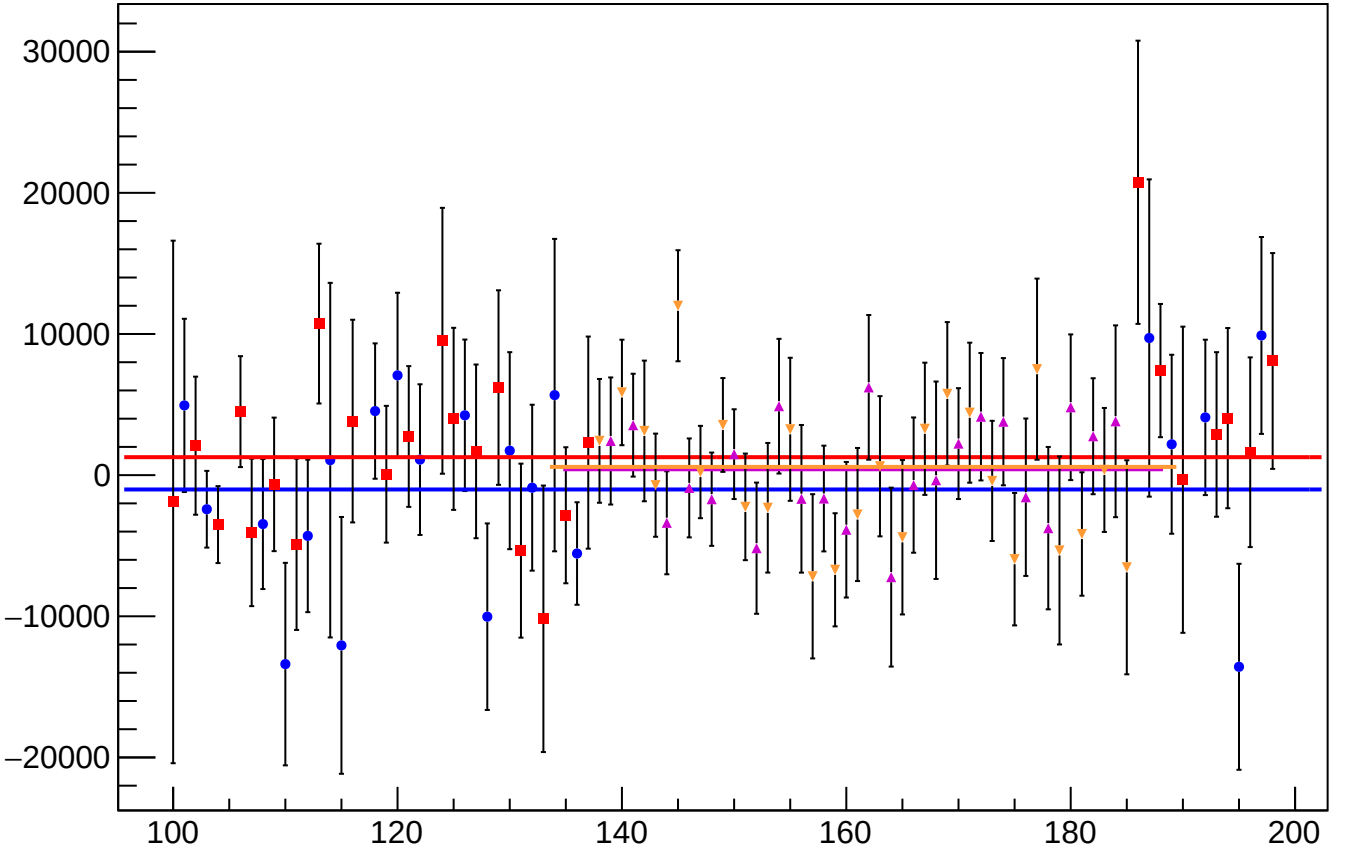
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3803.990+/-0.505 χ^2/NDF: 2683503.2/45

All: 3720.752+/-0.349 χ^2/NDF: 7242490.9/94

- sign 3644.576+/-0.483 χ^2/NDF: 4507035.9/48

asym_usr_atr2_dd_mean vs Slug



Right In: -1015.353+/-1208.014 χ^2/NDF: 22.1/20

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1272.886+/-1101.844 χ^2/NDF: 20.5/25

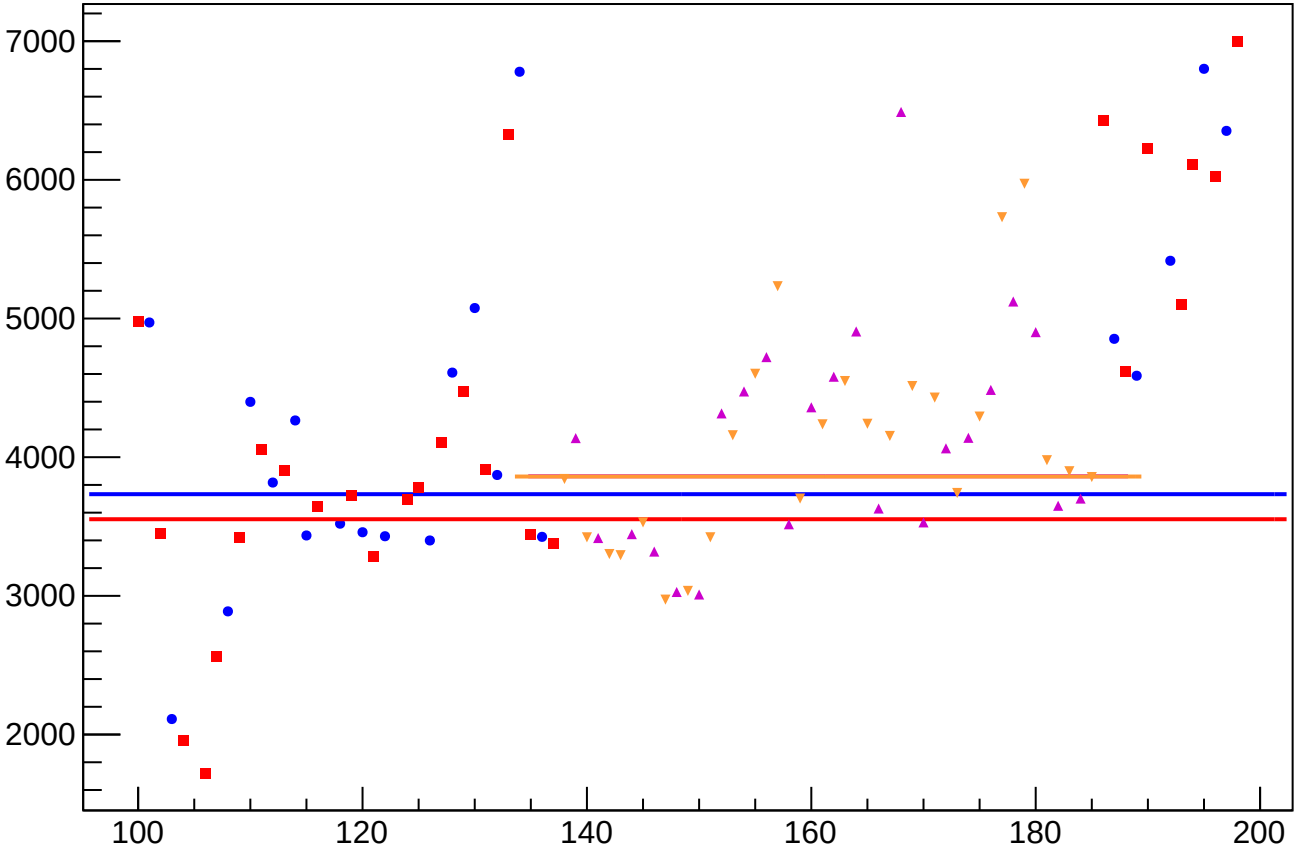
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 16.829+/-719.082 χ^2/NDF: 50.7/45

All: 399.453+/-503.687 χ^2/NDF: 84.5/94

- sign 768.019+/-705.747 χ^2/NDF: 33.3/48

asym_usr_atr2_dd_rms vs Slug



Right In: 3733.245+/-0.854 χ^2/NDF: 2061715.7/20

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

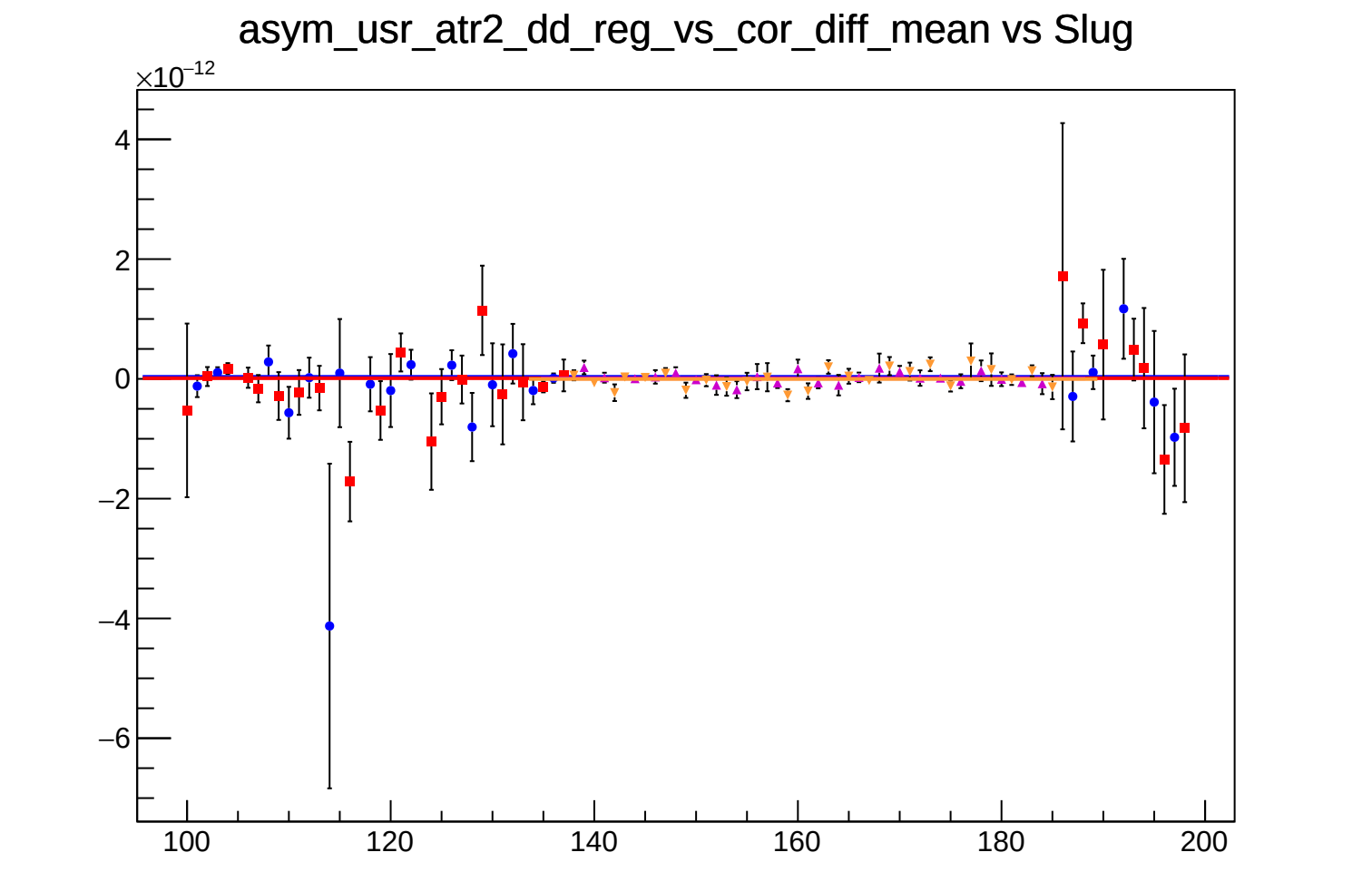
Right Out: 3552.634+/-0.769 χ^2/NDF: 3153975.7/25

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

\+ sign 3815.432+/-0.508 χ^2/NDF: 3173346.4/45

All: 3773.323+/-0.355 χ^2/NDF: 7577590.2/94

\- sign 3733.218+/-0.496 χ^2/NDF: 4390853.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

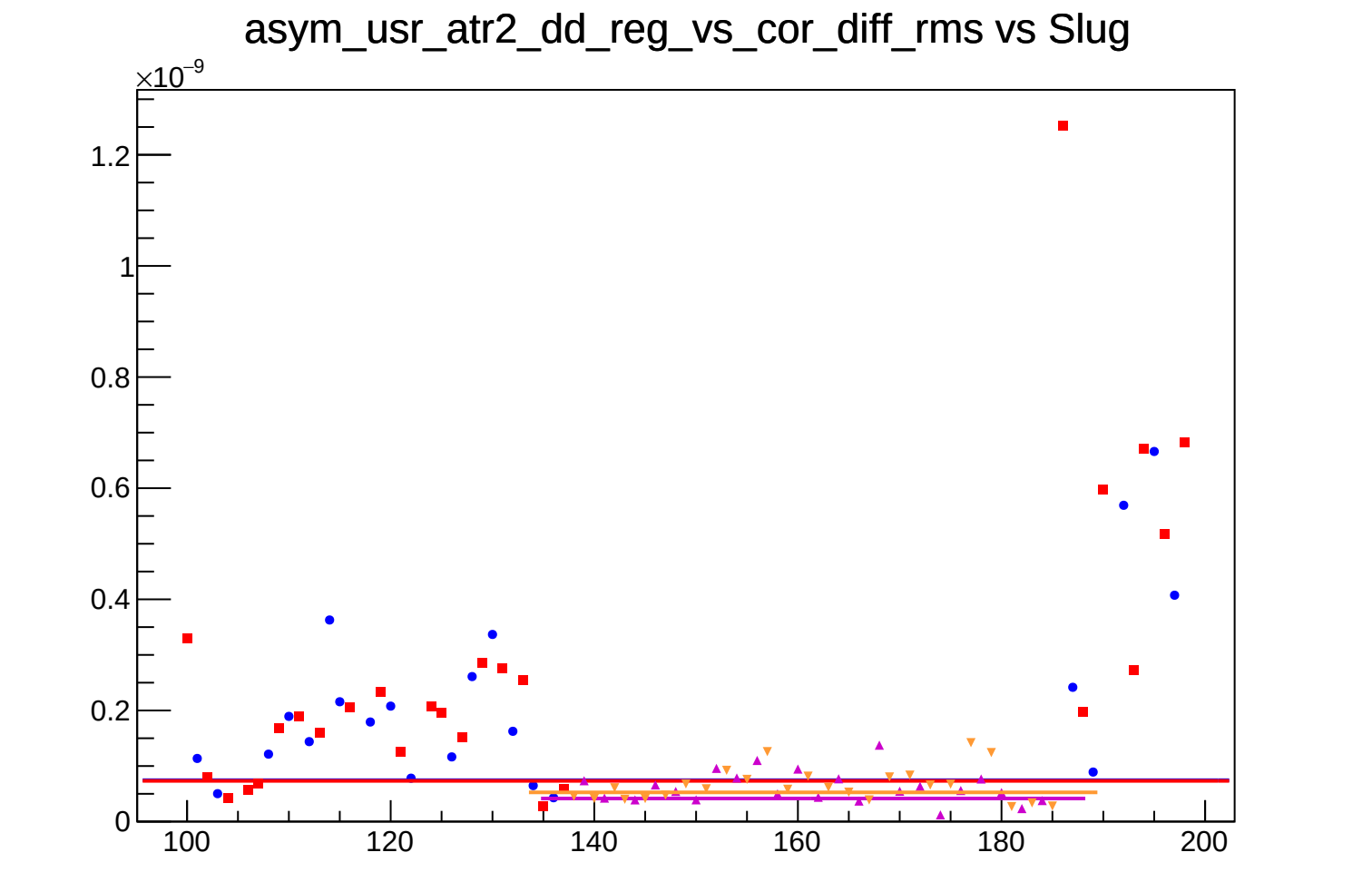
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/25

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.3/45

All: 0.000+/-0.000 χ^2/NDF: 97.1/94

- sign 0.000+/-0.000 χ^2/NDF: 46.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 3391075.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5359381.0/25

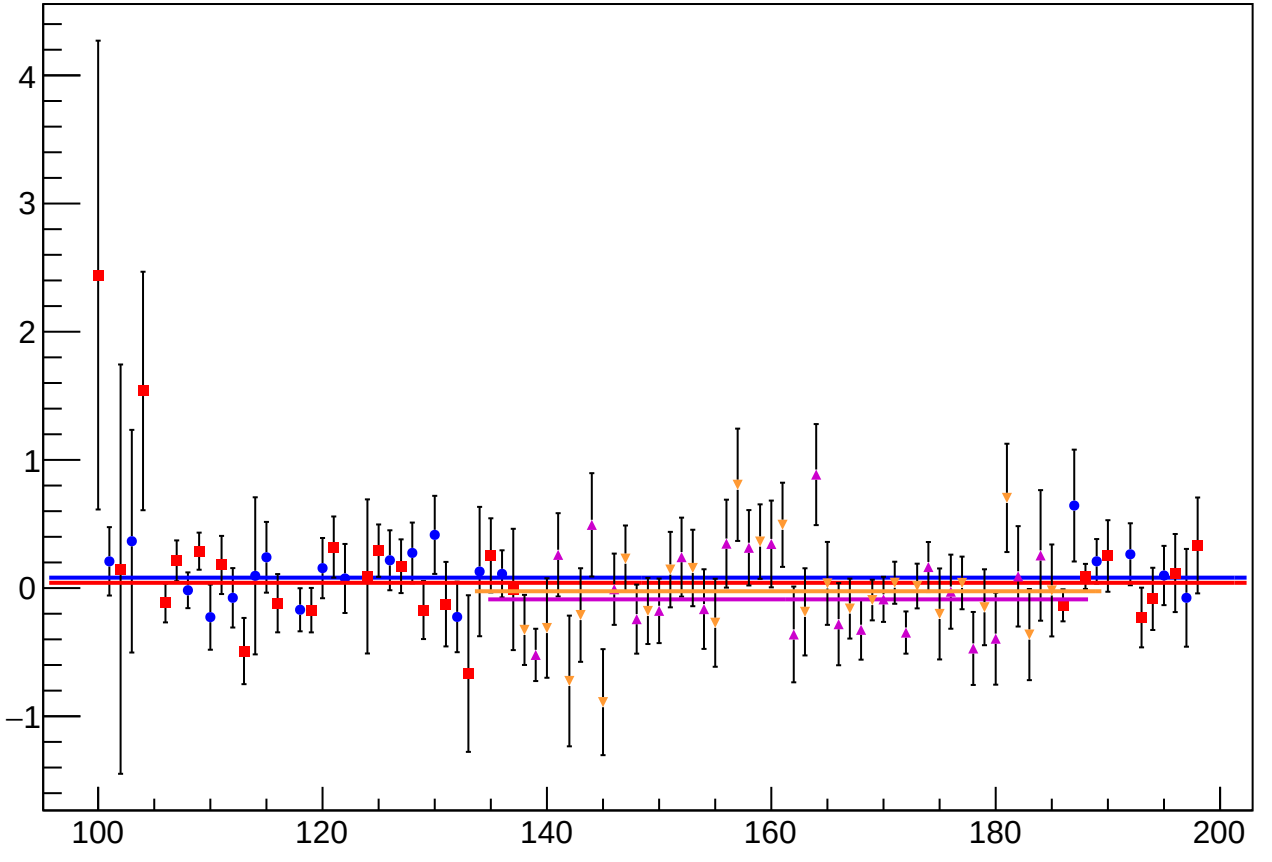
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5351604.2/45

All: 0.000+/-0.000 χ^2/NDF: 14681859.5/94

- sign 0.000+/-0.000 χ^2/NDF: 9033027.3/48

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.081+/-0.053 χ^2/NDF: 11.8/20

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.041+/-0.042 χ^2/NDF: 27.5/25

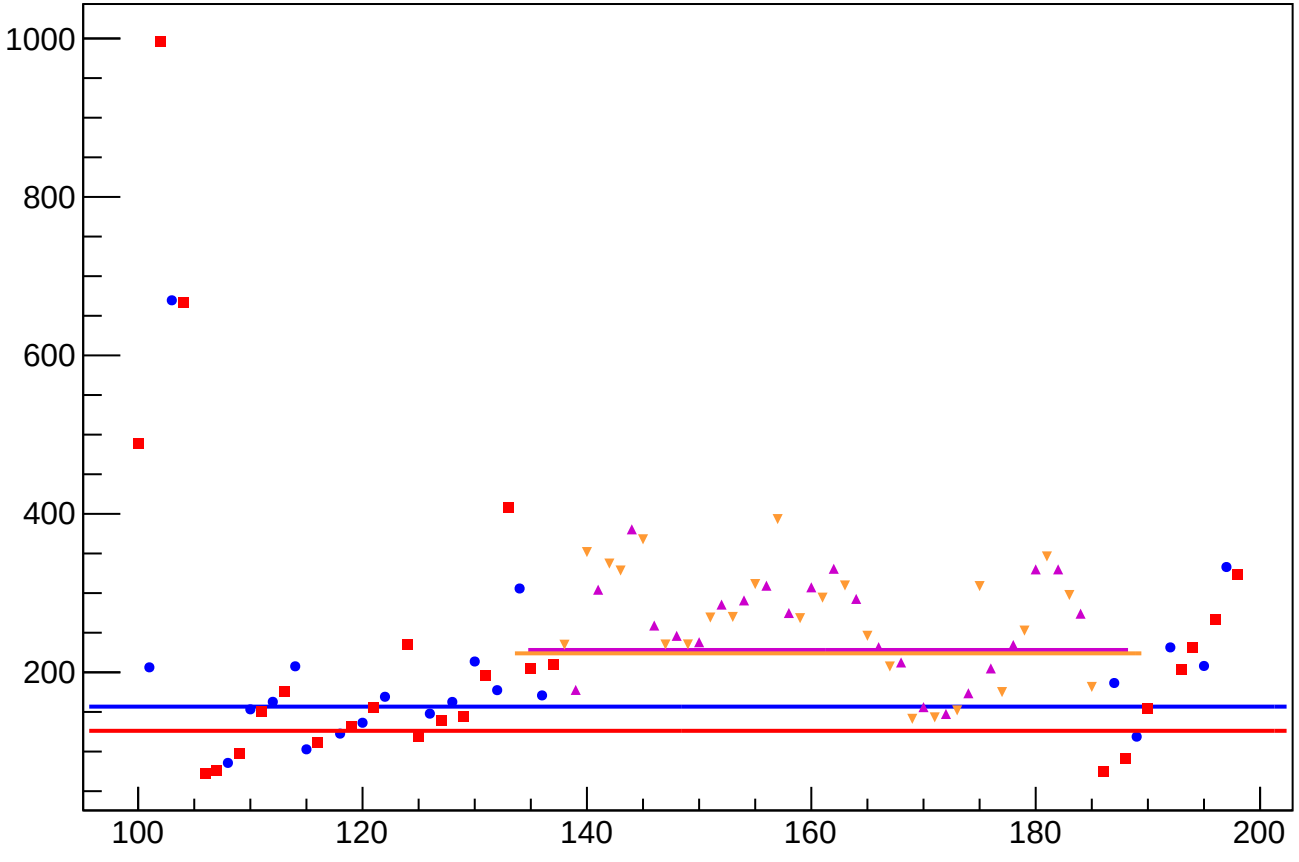
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.030+/-0.038 χ^2/NDF: 37.9/45

All: 0.011+/-0.025 χ^2/NDF: 99.2/94

- sign -0.005+/-0.034 χ^2/NDF: 60.9/48

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 156.707+/-0.037 χ^2/NDF: 2571233.8/20

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

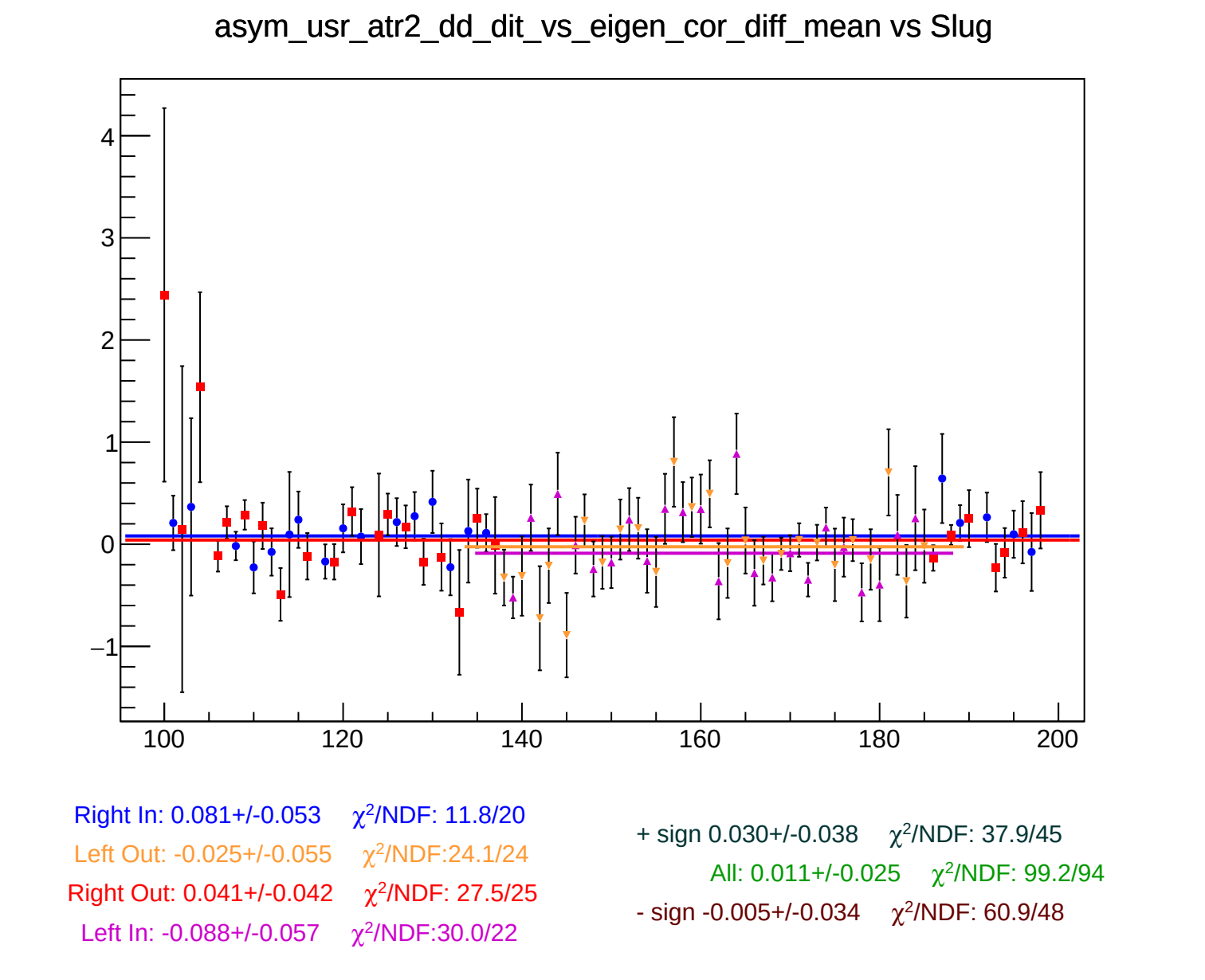
Right Out: 126.171+/-0.030 χ^2/NDF: 5041902.0/25

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

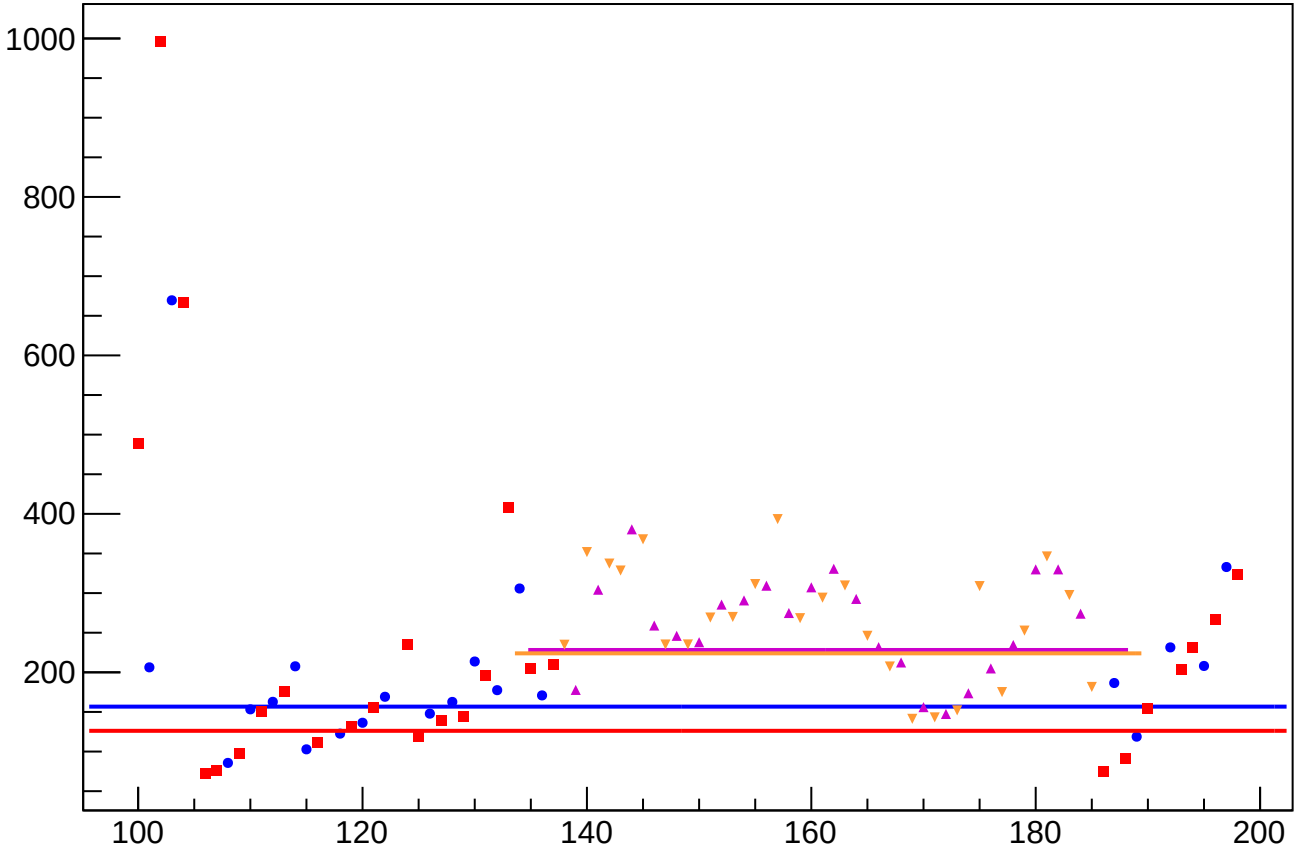
+ sign 189.203+/-0.027 χ^2/NDF: 7576864.6/45

All: 174.124+/-0.018 χ^2/NDF: 19864479.1/94

- sign 162.245+/-0.024 χ^2/NDF: 11723352.7/48


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.081+/-0.053 χ²/NDF: 11.8/20
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.041+/-0.042 χ²/NDF: 27.5/25
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.030+/-0.038 χ²/NDF: 37.9/45
All: 0.011+/-0.025 χ²/NDF: 99.2/94
- sign -0.005+/-0.034 χ²/NDF: 60.9/48

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.707+/-0.037 χ^2/NDF: 2571233.8/20

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

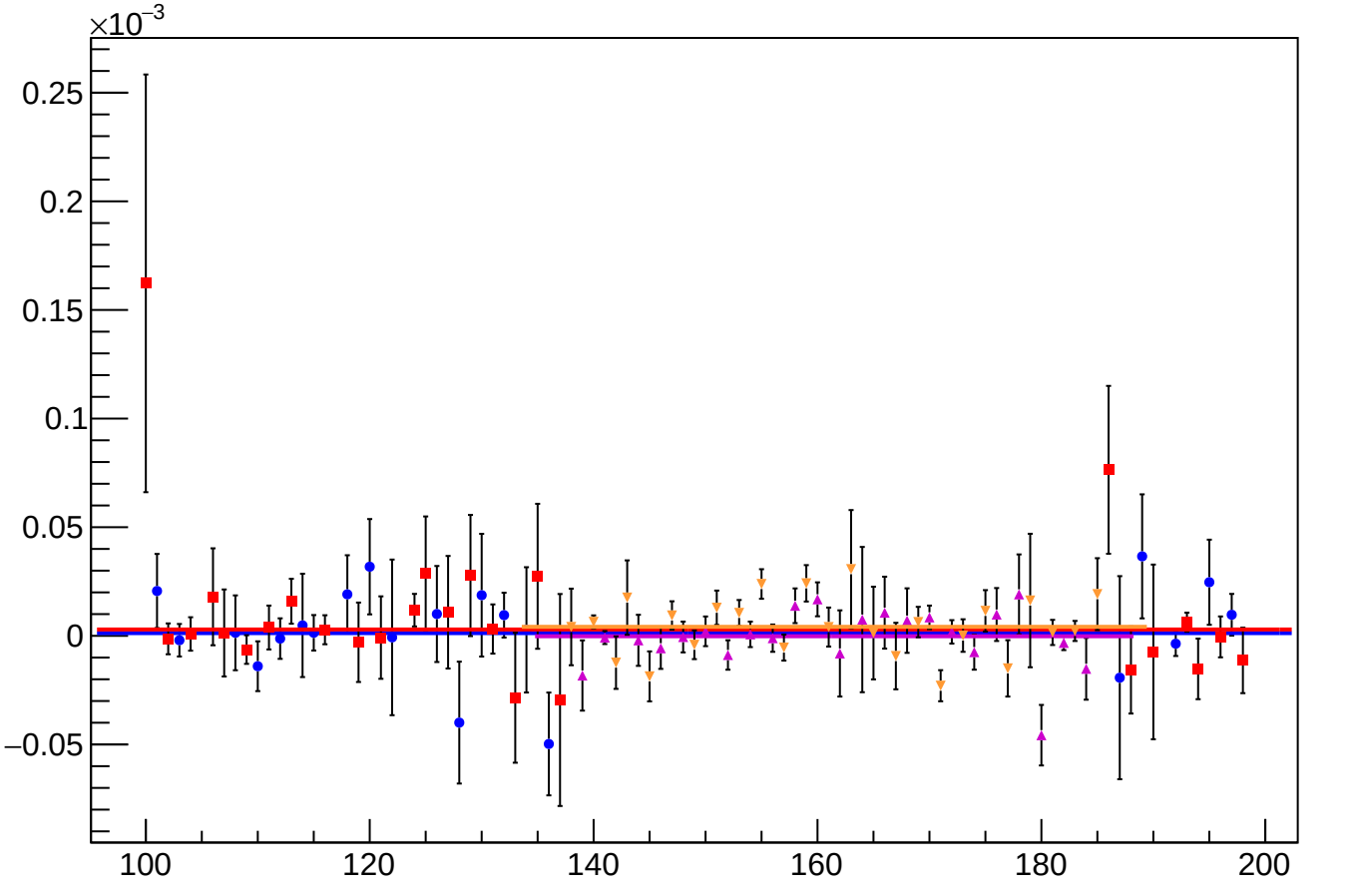
Right Out: 126.171+/-0.030 χ^2/NDF: 5041902.0/25

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.203+/-0.027 χ^2/NDF: 7576864.6/45

All: 174.124+/-0.018 χ^2/NDF: 19864479.1/94

- sign 162.245+/-0.024 χ^2/NDF: 11723352.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

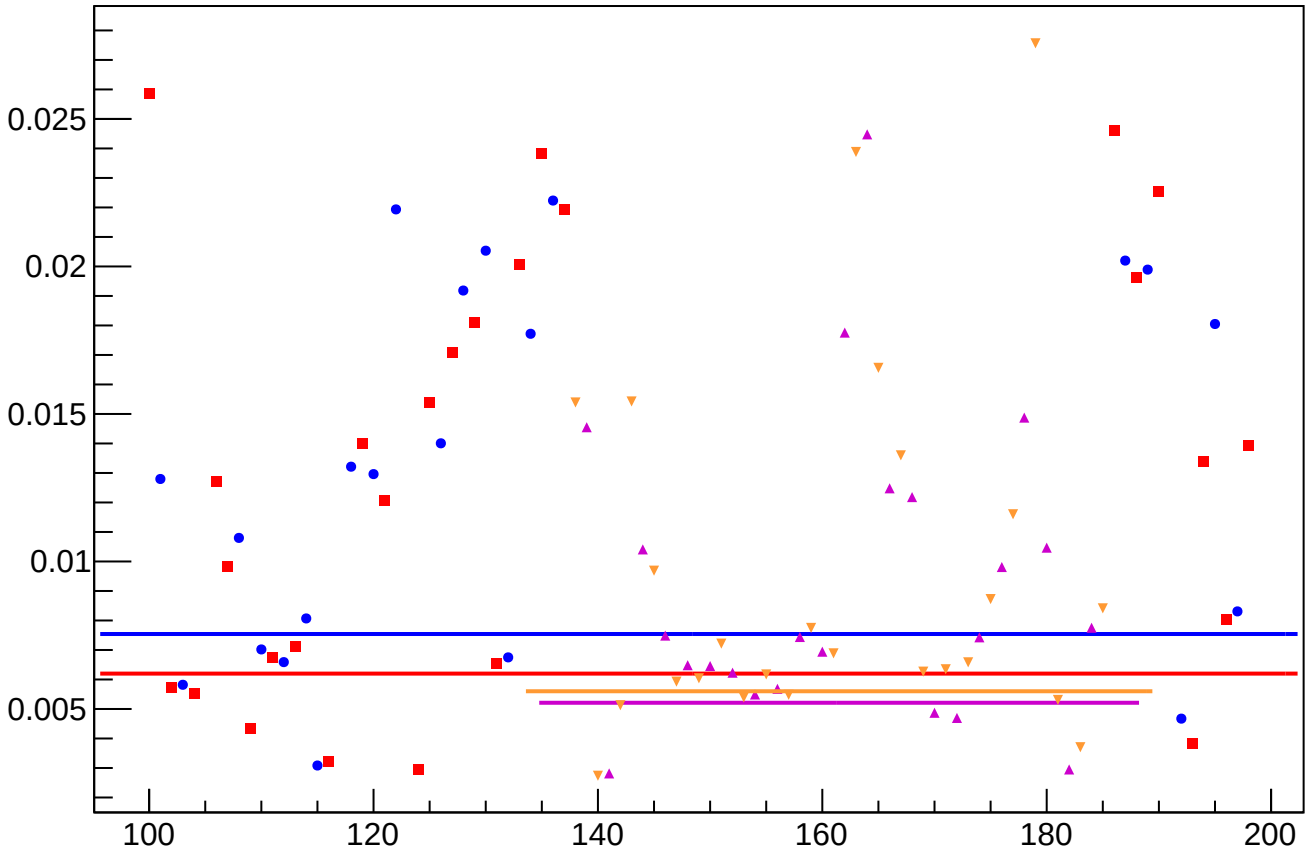
Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/25

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.6/45

All: 0.000+/-0.000 χ^2/NDF: 123.1/94

- sign 0.000+/-0.000 χ^2/NDF: 52.1/48



Right In: 0.008+/-0.000 χ^2/NDF: 5226139.6/20

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

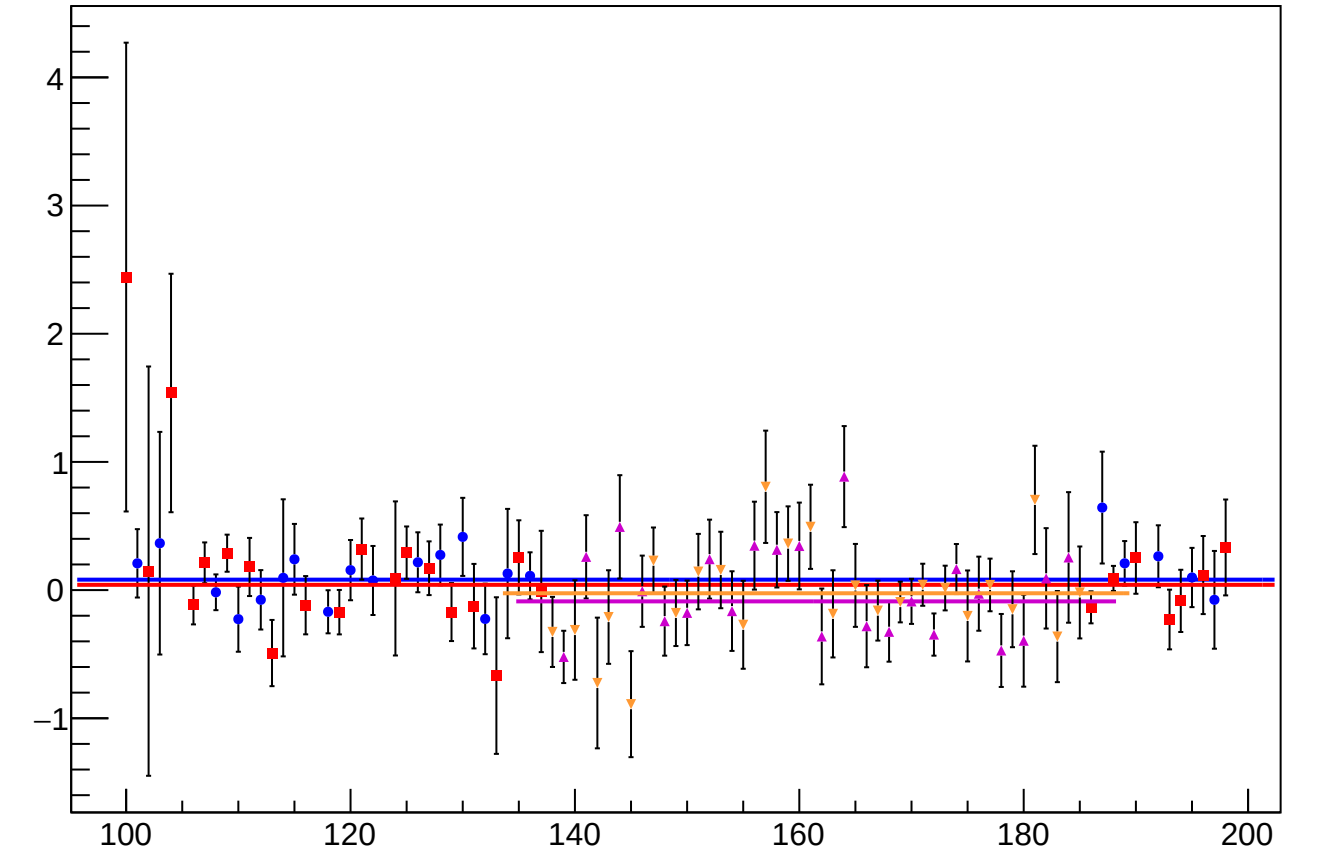
Right Out: 0.006+/-0.000 χ^2/NDF: 7408549.2/25

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

\+ sign 0.006+/-0.000 χ^2/NDF: 13758934.8/45

All: 0.006+/-0.000 χ^2/NDF: 29090381.5/94

\- sign 0.006+/-0.000 χ^2/NDF: 15165688.9/48



Right In: 0.081+/-0.053 χ^2/NDF: 11.8/20

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.041+/-0.042 χ^2/NDF: 27.5/25

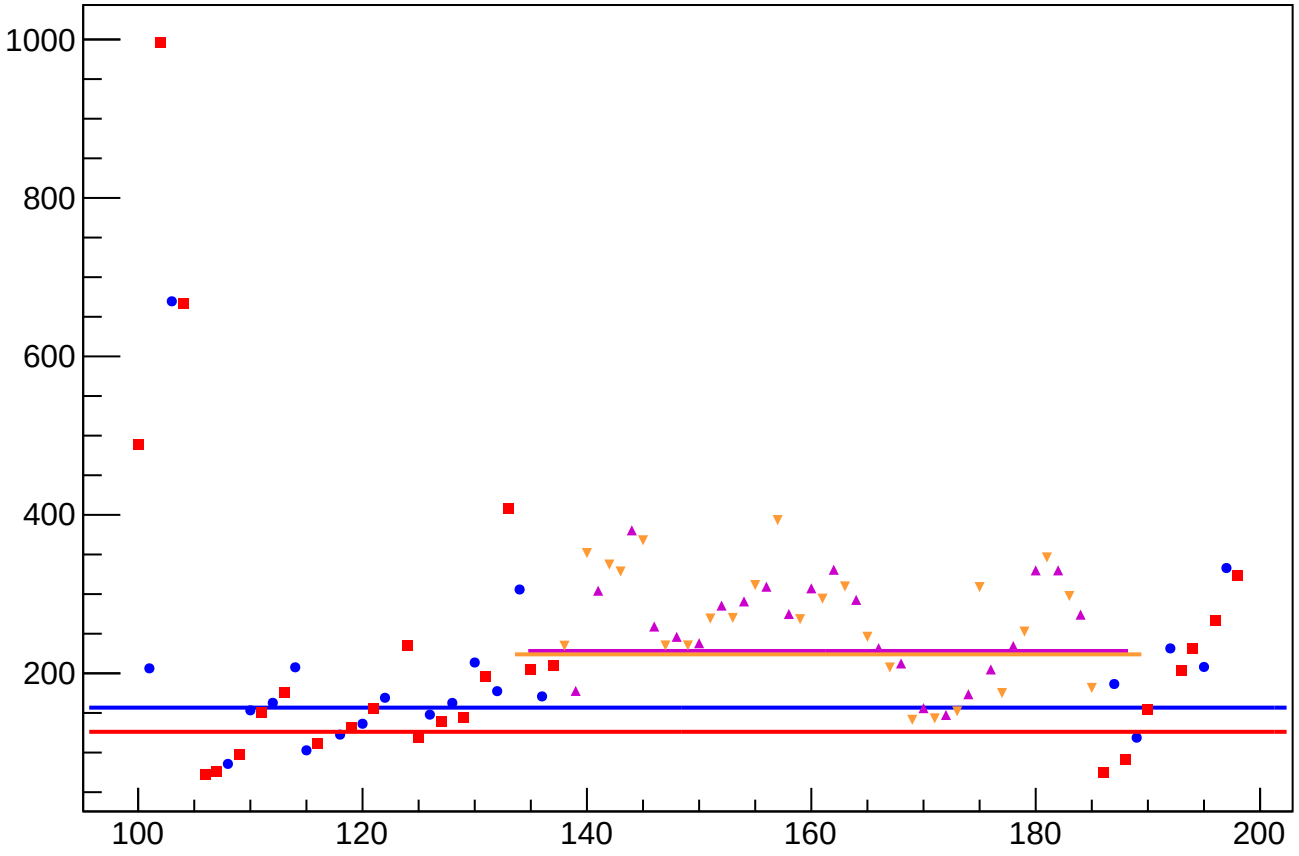
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.030+/-0.038 χ^2/NDF: 37.9/45

All: 0.011+/-0.025 χ^2/NDF: 99.2/94

- sign -0.005+/-0.034 χ^2/NDF: 60.9/48

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.704+/-0.037 χ^2/NDF: 2571382.0/20

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

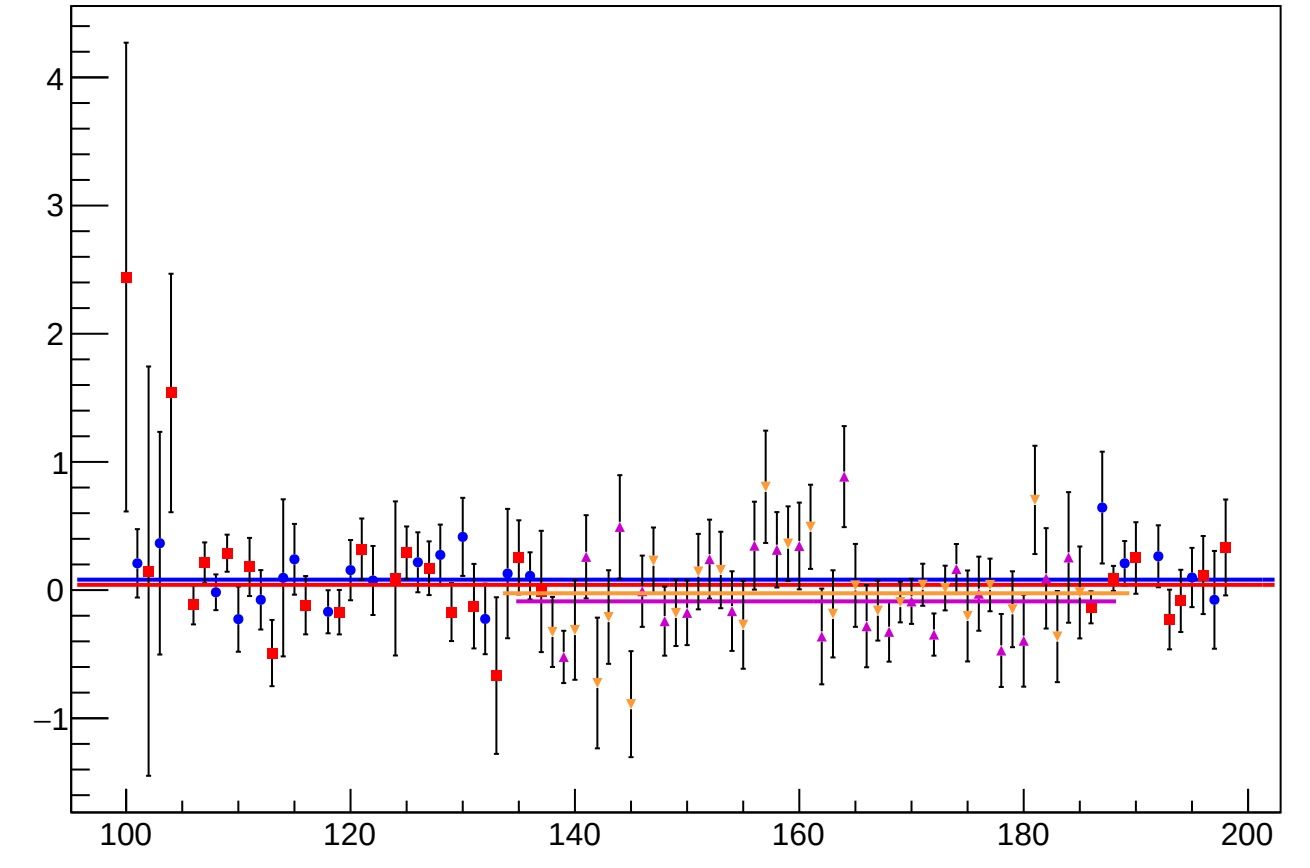
Right Out: 126.176+/-0.030 χ^2/NDF: 5041481.1/25

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.200+/-0.027 χ^2/NDF: 7577356.9/45

All: 174.126+/-0.018 χ^2/NDF: 19863916.6/94

- sign 162.250+/-0.024 χ^2/NDF: 11722583.2/48



Right In: 0.081+/-0.053 χ^2/NDF: 11.8/20

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

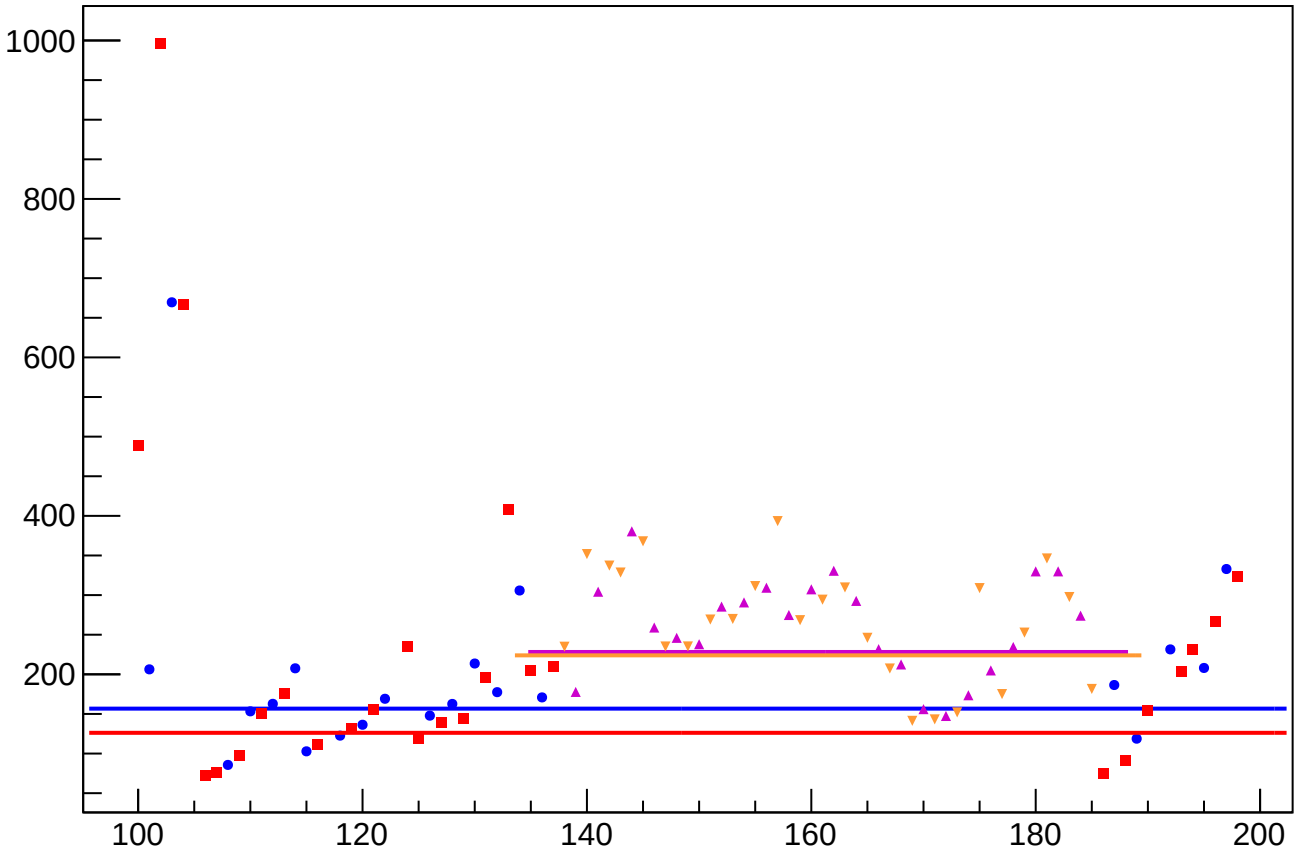
Right Out: 0.041+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.030+/-0.038 χ^2/NDF: 37.9/45

All: 0.011+/-0.025 χ^2/NDF: 99.2/94

- sign -0.005+/-0.034 χ^2/NDF: 60.9/48



Right In: 156.704+/-0.037 χ^2/NDF: 2571382.0/20

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

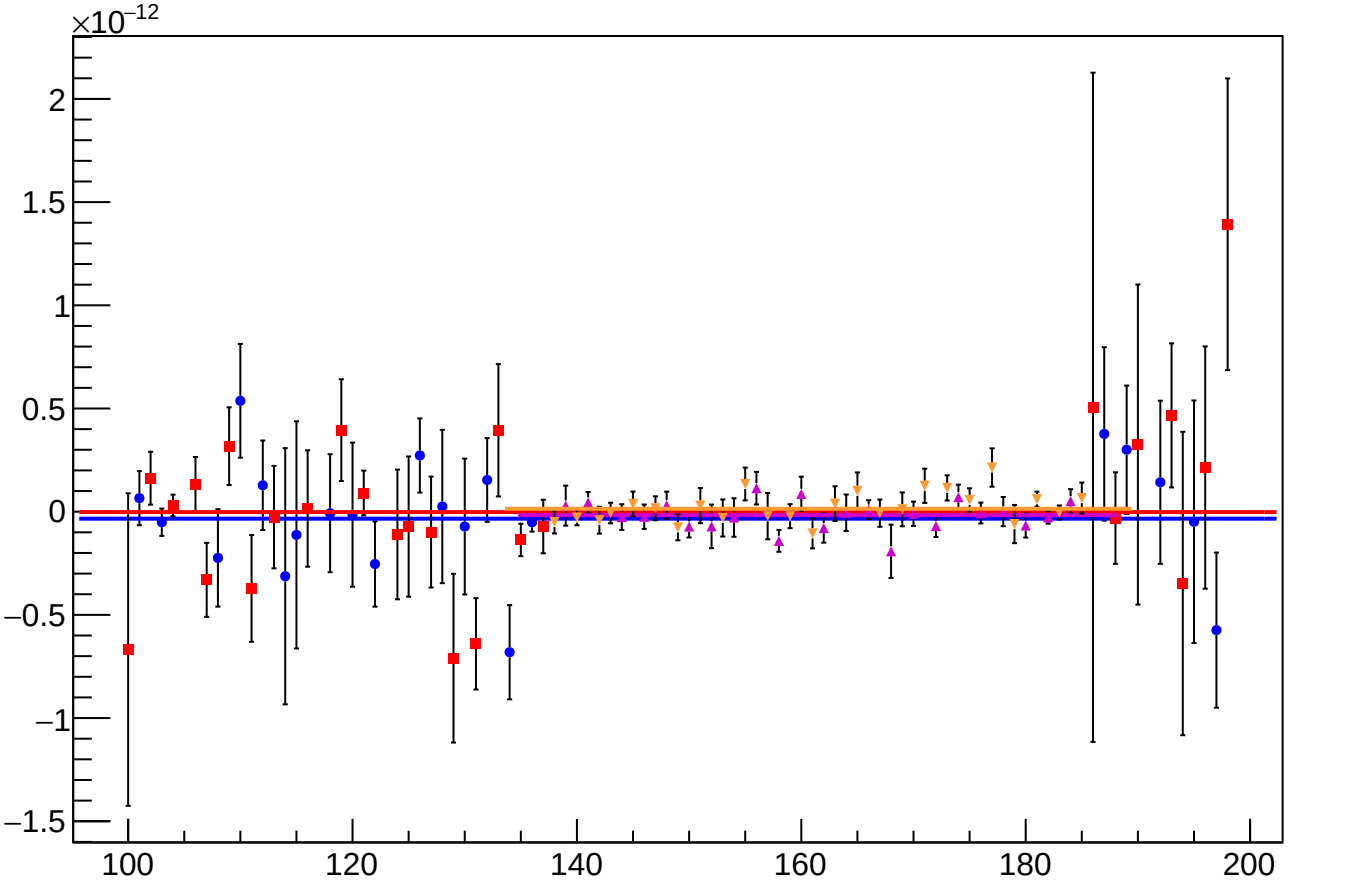
Right Out: 126.176+/-0.030 χ^2/NDF: 5041481.1/25

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.200+/-0.027 χ^2/NDF: 7577356.9/45

All: 174.126+/-0.018 χ^2/NDF: 19863916.6/94

- sign 162.250+/-0.024 χ^2/NDF: 11722583.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

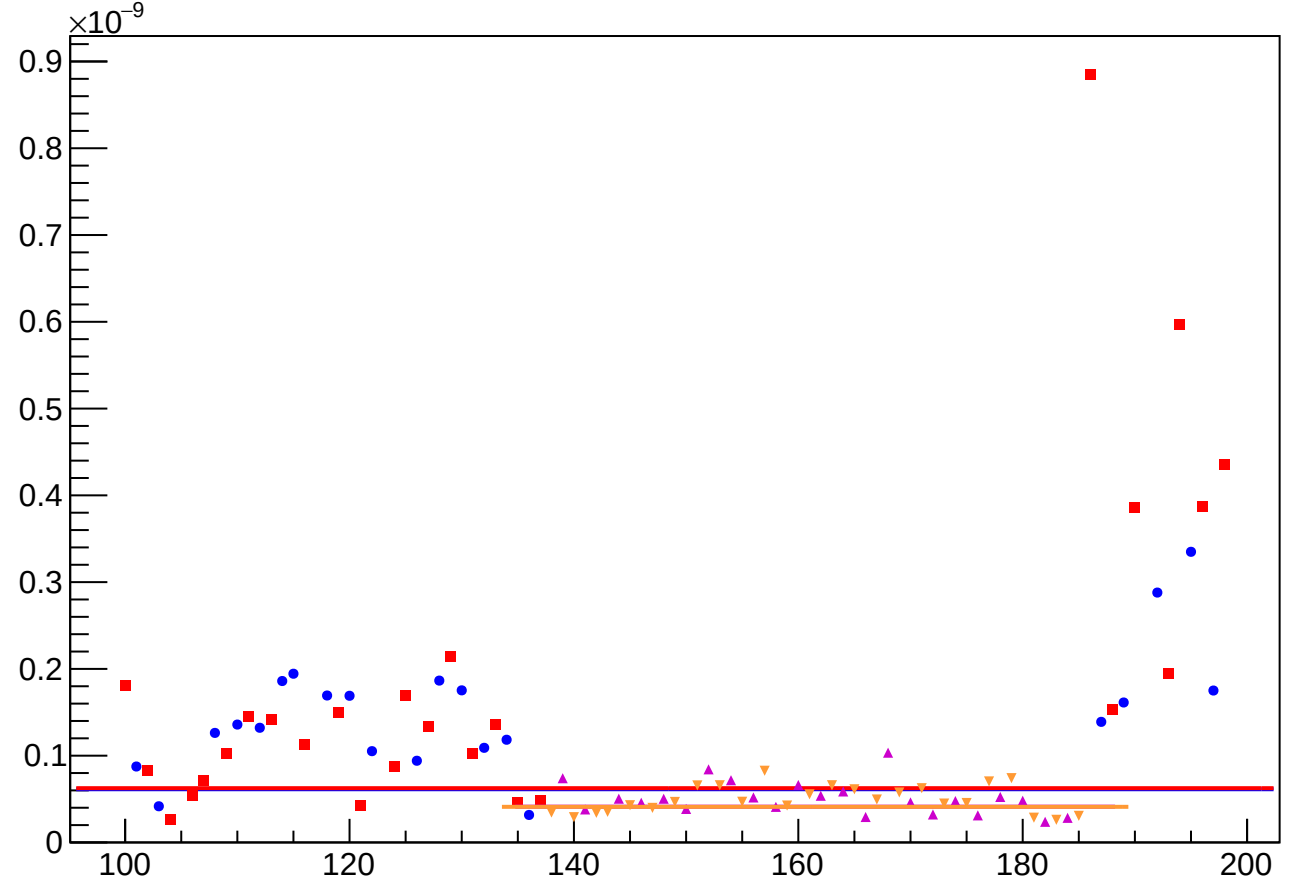
Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/25

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.2/45

All: -0.000+/-0.000 χ^2/NDF: 113.3/94

- sign -0.000+/-0.000 χ^2/NDF: 60.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 4704811.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6528310.2/25

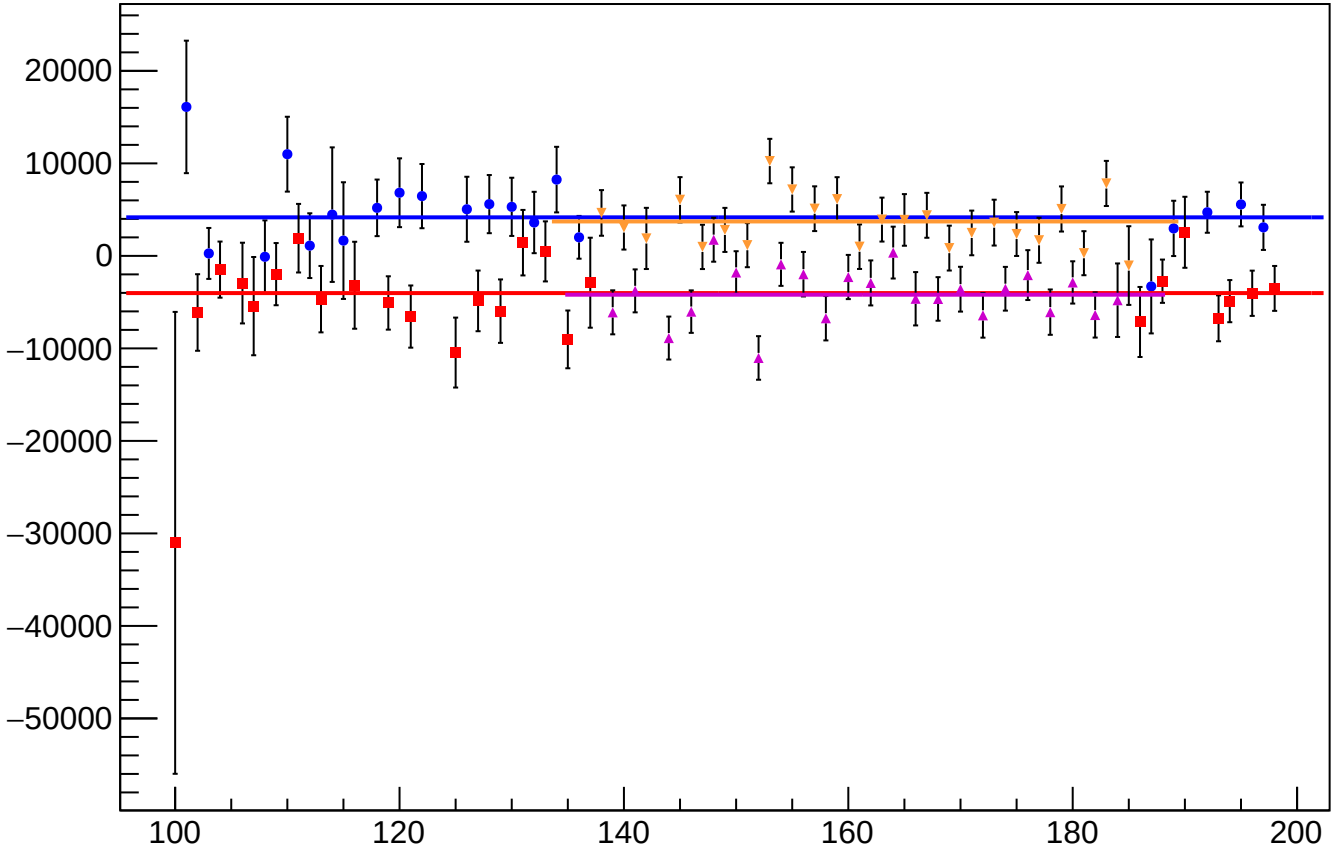
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8065866.1/45

All: 0.000+/-0.000 χ^2/NDF: 18246321.8/94

- sign 0.000+/-0.000 χ^2/NDF: 10178944.0/48

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4166.143+/-706.124 χ^2/NDF: 16.3/20

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

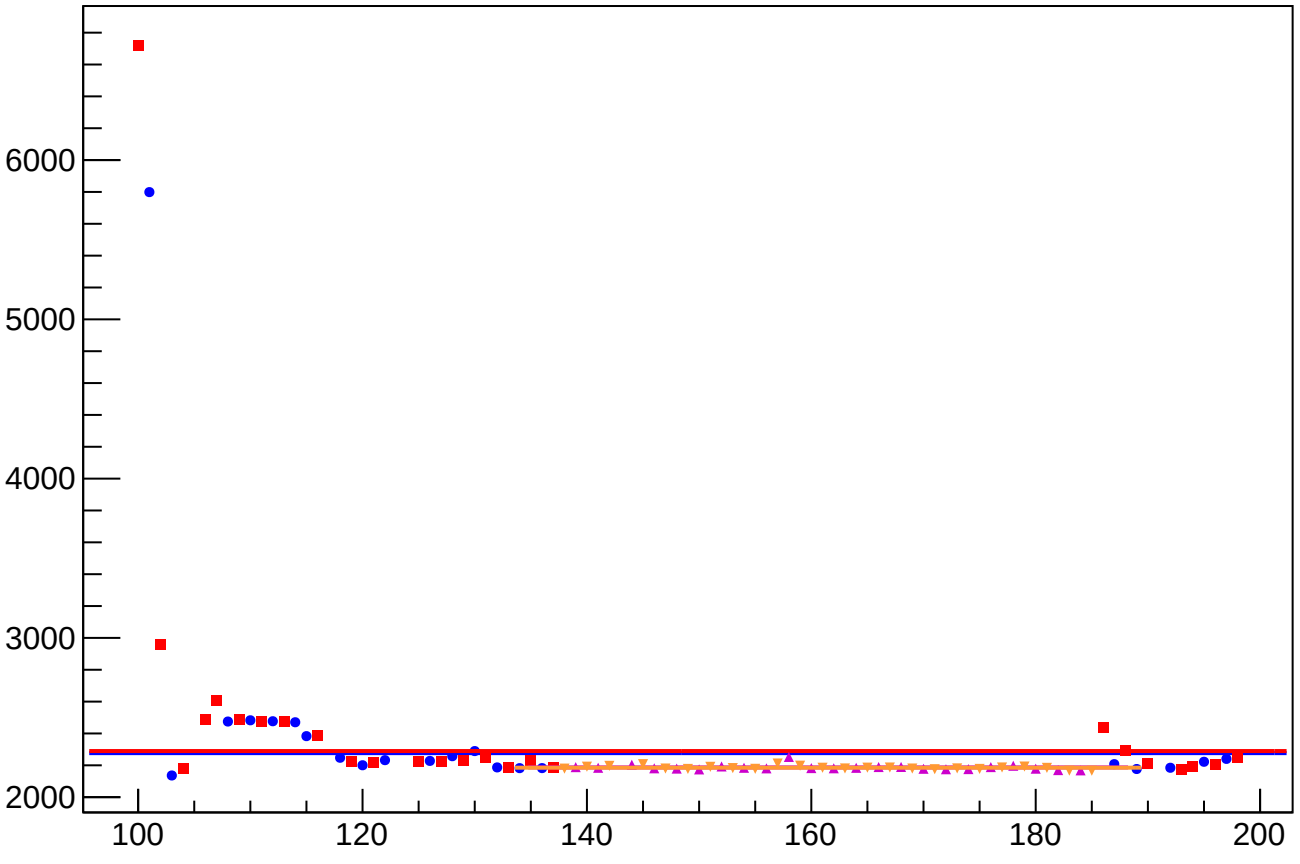
Right Out: -4021.431+/-655.168 χ^2/NDF: 21.5/24

Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3874.123+/-411.920 χ^2/NDF: 42.0/44

All: -218.257+/-287.966 χ^2/NDF: 288.7/92

- sign -4130.004+/-402.727 χ^2/NDF: 53.6/47



Right In: 2276.479+/-0.499 χ^2/NDF: 523442.5/20

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

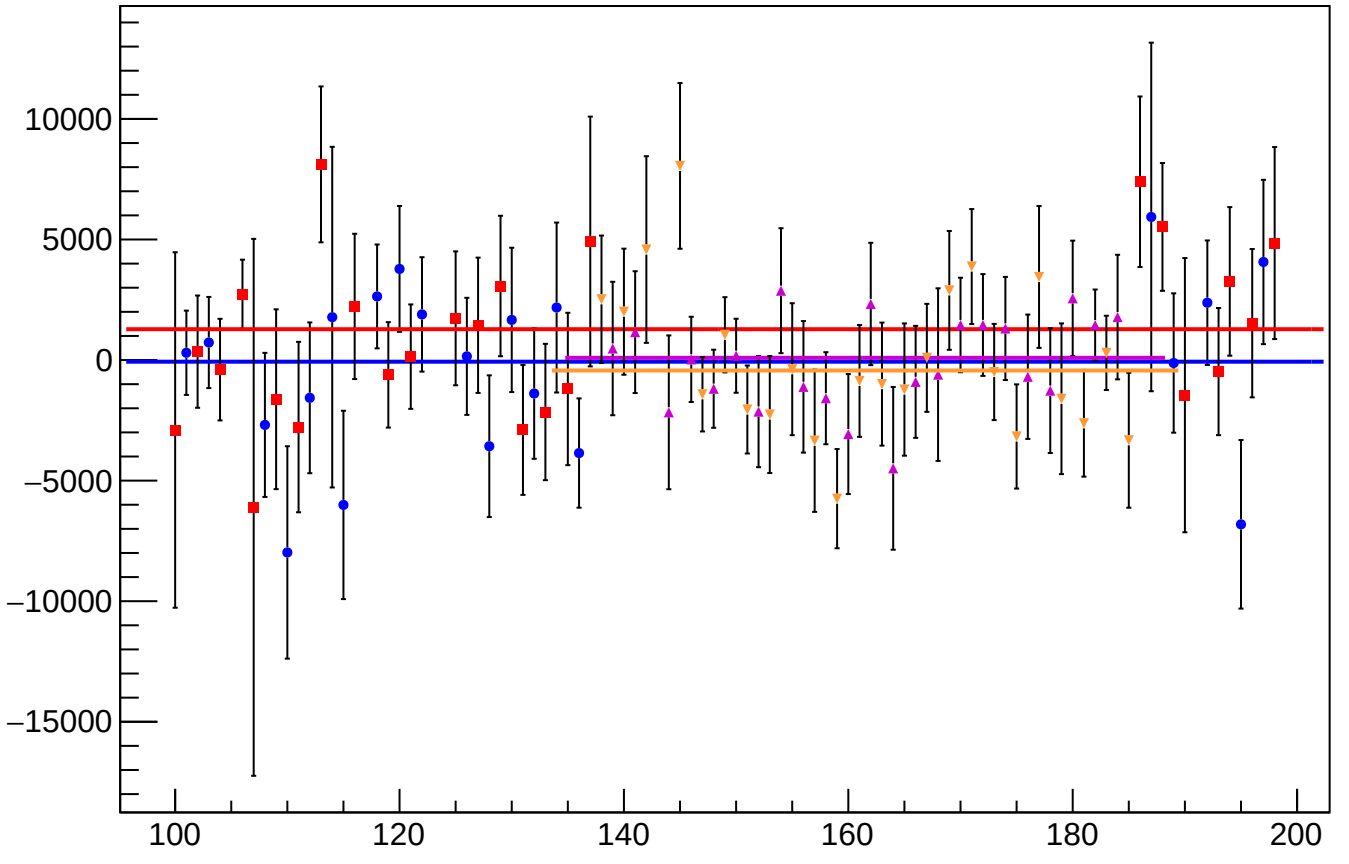
Right Out: 2289.601+/-0.463 χ^2/NDF: 170325.7/24

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.218+/-0.291 χ^2/NDF: 546337.3/44

All: 2221.019+/-0.204 χ^2/NDF: 749925.8/92

- sign 2225.609+/-0.285 χ^2/NDF: 203057.0/47



Right In: -67.594+/-601.462 χ^2/NDF: 23.2/20

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

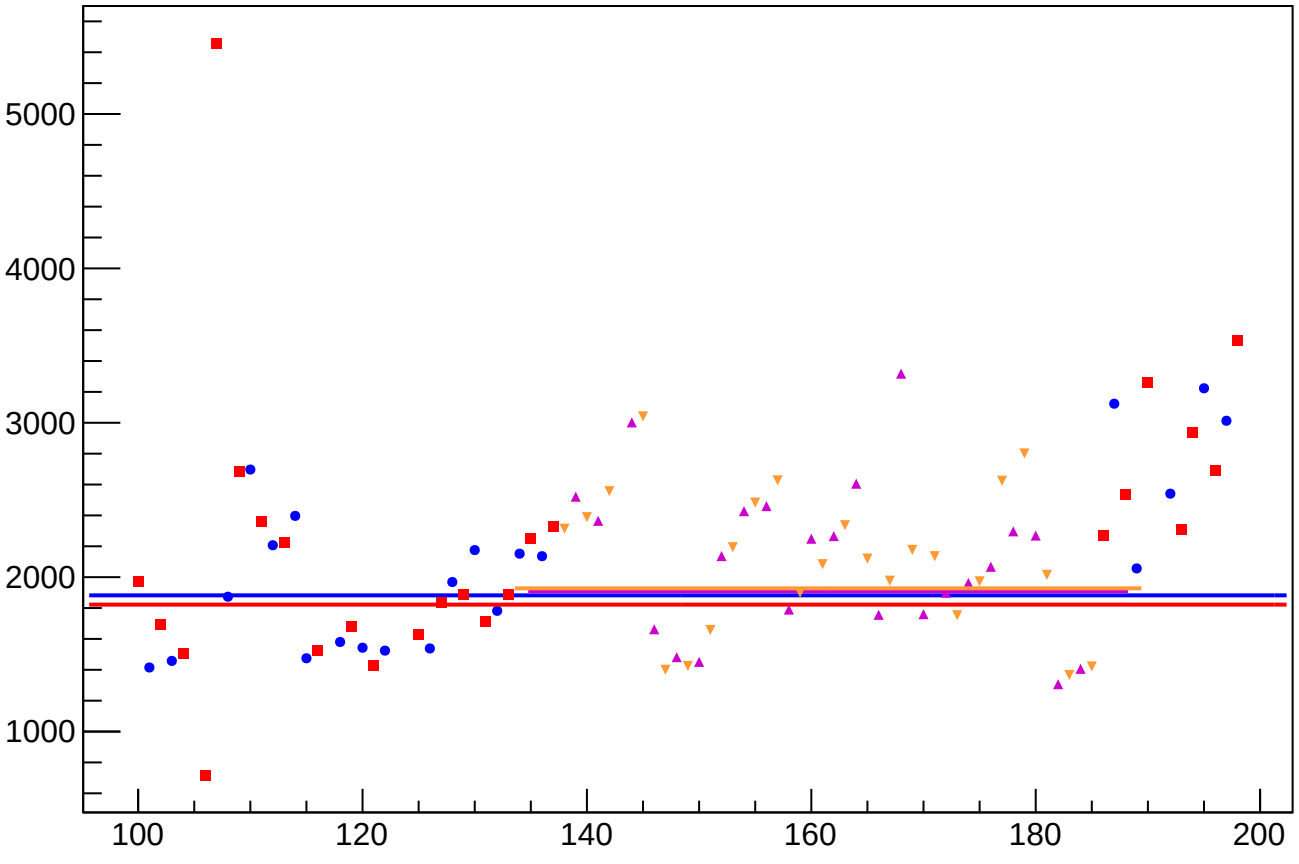
Right Out: 1279.654+/-563.248 χ^2/NDF: 23.0/24

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -296.816+/-366.579 χ^2/NDF: 54.8/44

All: 147.747+/-255.606 χ^2/NDF: 96.0/92

- sign 568.415+/-356.591 χ^2/NDF: 38.4/47



Right In: 1882.261+/-0.425 χ^2/NDF: 1296759.6/20

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1822.109+/-0.398 χ^2/NDF: 2980179.0/24

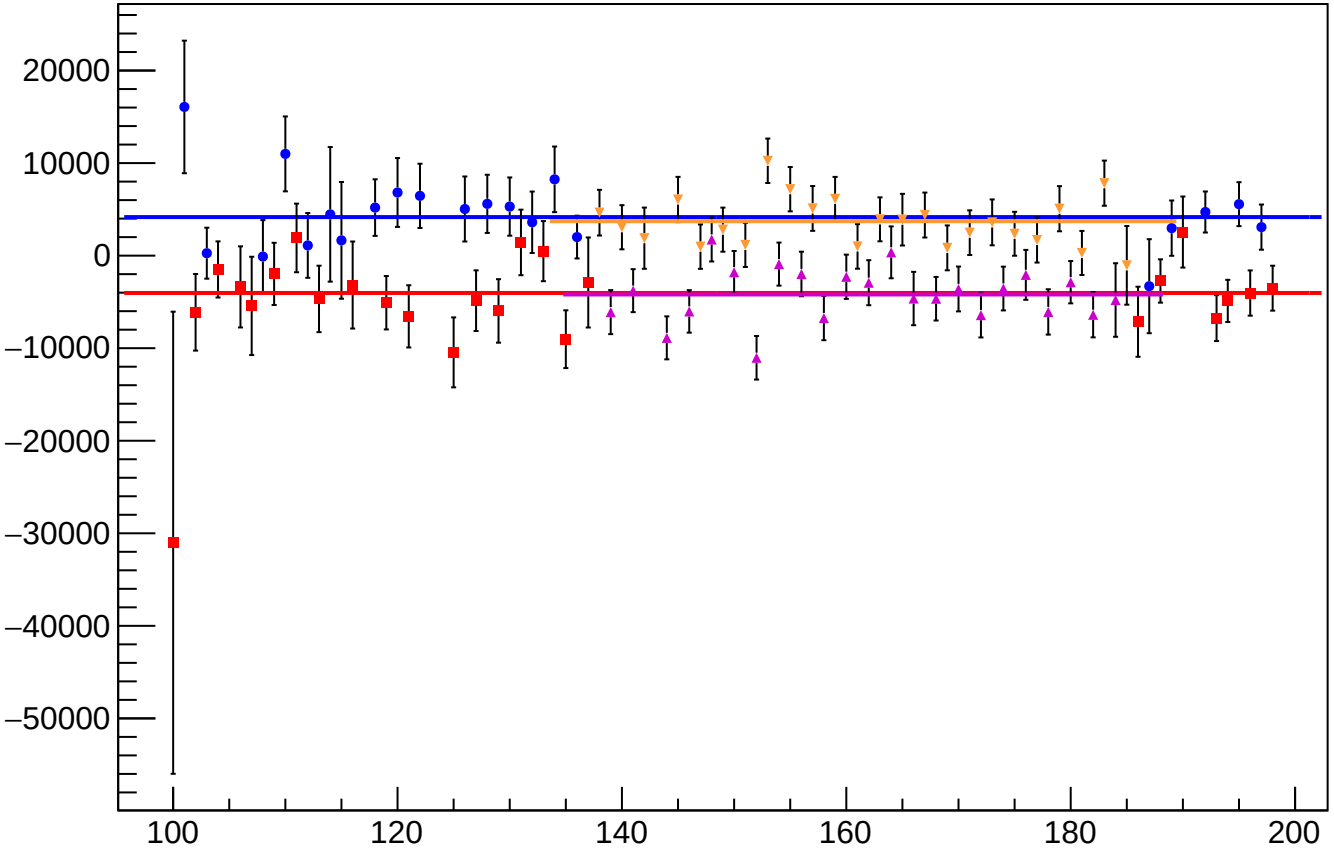
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1910.796+/-0.259 χ^2/NDF: 3102304.6/44

All: 1892.168+/-0.181 χ^2/NDF: 8063723.3/92

- sign 1874.540+/-0.252 χ^2/NDF: 4951366.5/47

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4165.744+/-706.124 χ^2/NDF: 16.3/20

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4031.703+/-655.231 χ^2/NDF: 21.4/24

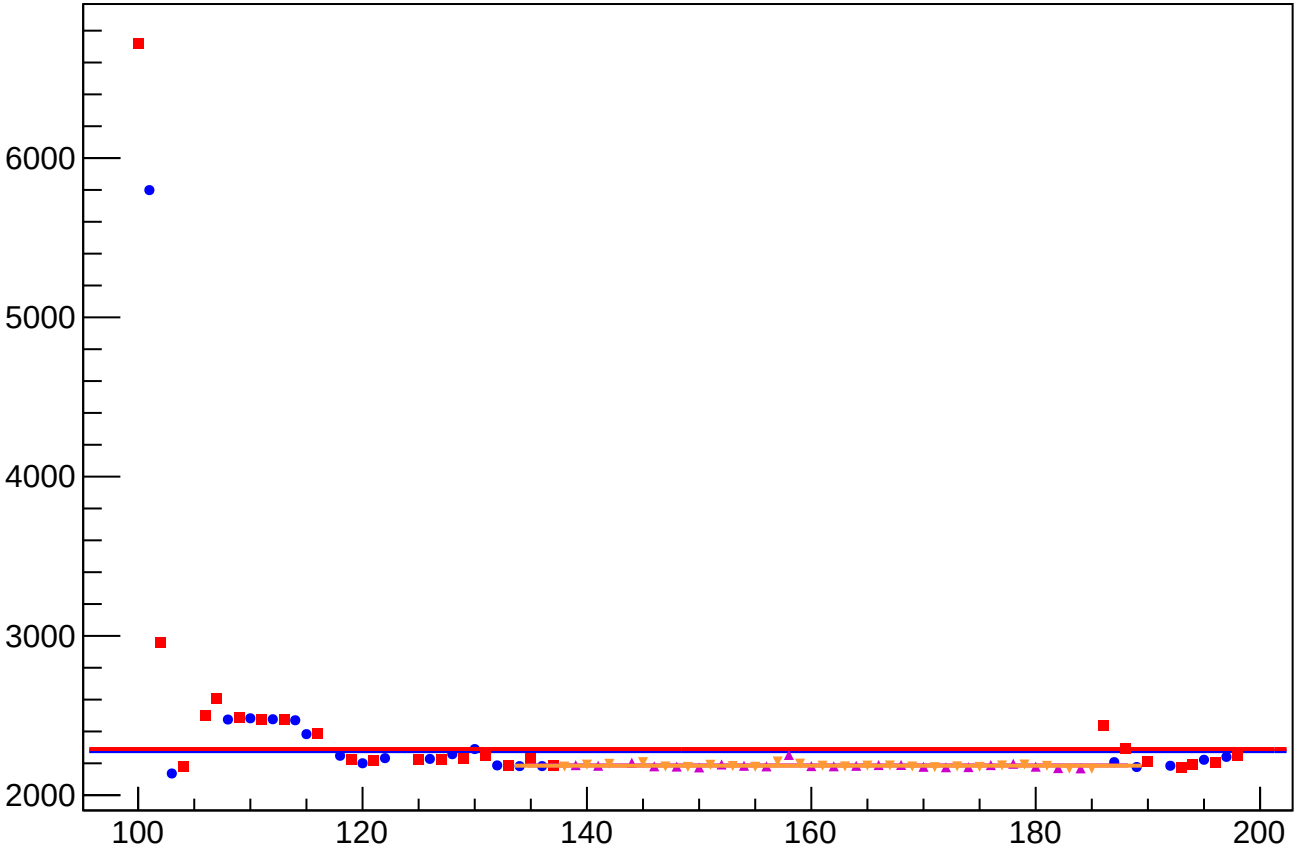
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3873.952+/-411.920 χ^2/NDF: 42.0/44

All: -220.219+/-287.972 χ^2/NDF: 288.8/92

- sign -4133.966+/-402.742 χ^2/NDF: 53.6/47

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2276.479+/-0.499 χ^2/NDF: 523443.0/20

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

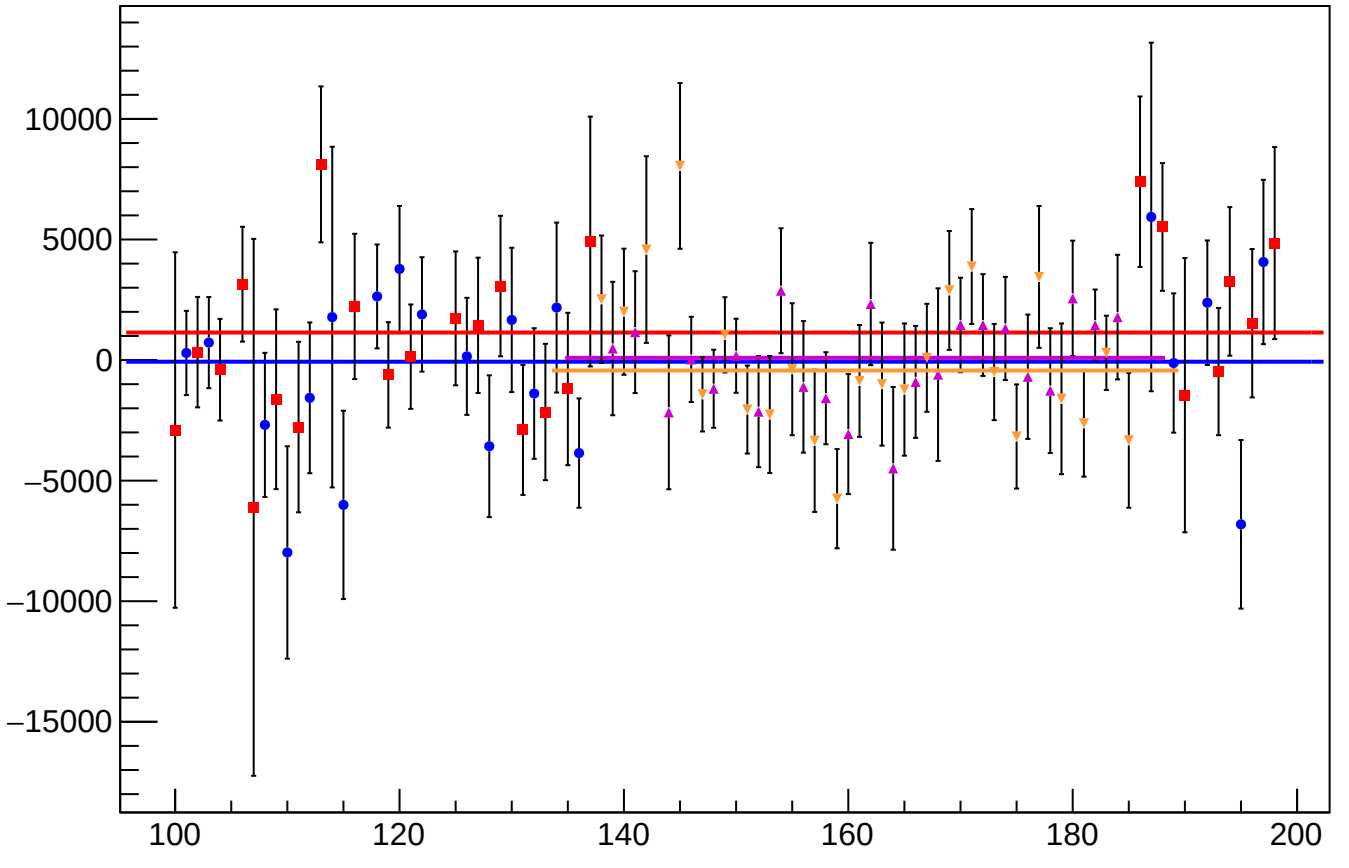
Right Out: 2289.802+/-0.463 χ^2/NDF: 170749.5/24

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.218+/-0.291 χ^2/NDF: 546337.7/44

All: 2221.056+/-0.204 χ^2/NDF: 750474.2/92

- sign 2225.680+/-0.285 χ^2/NDF: 203596.9/47



Right In: -68.498+/-601.364 χ^2/NDF: 23.2/20

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: 1141.693+/-592.833 χ^2/NDF: 22.5/24

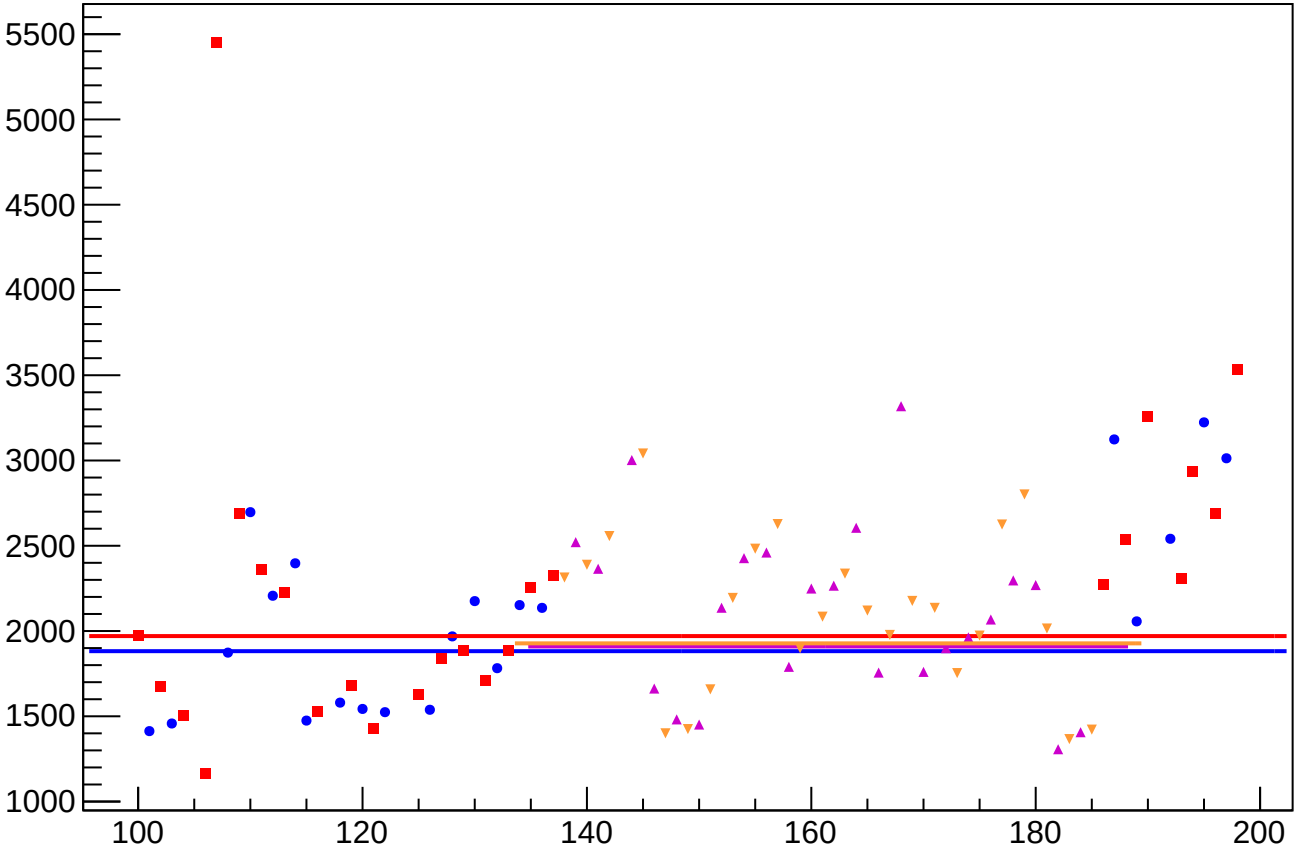
Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -297.146+/-366.556 χ^2/NDF: 54.8/44

All: 98.225+/-258.199 χ^2/NDF: 94.3/92

- sign 487.579+/-363.756 χ^2/NDF: 37.2/47

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1881.887+/-0.425 χ^2/NDF: 1298333.6/20

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

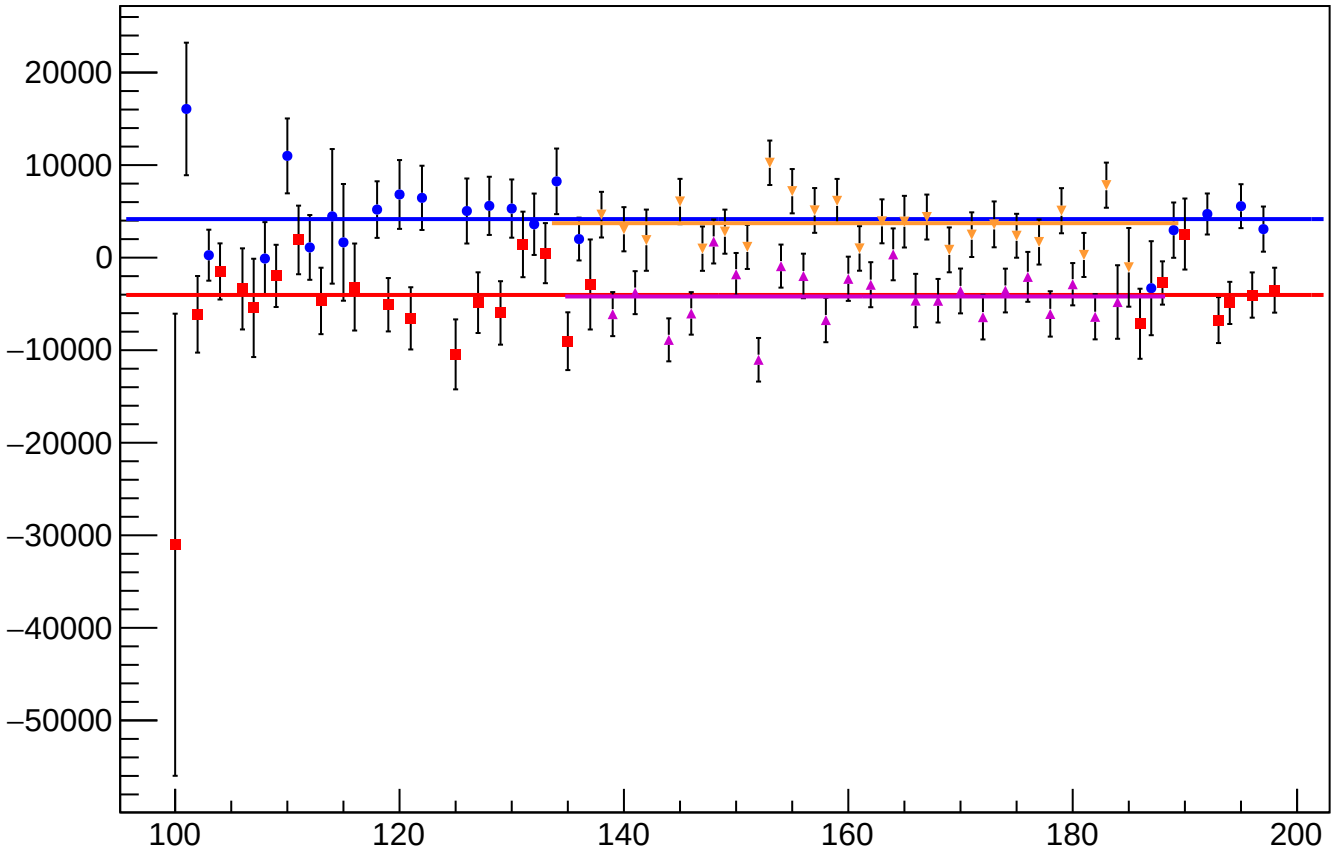
Right Out: 1970.379+/-0.419 χ^2/NDF: 1808924.0/24

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1910.653+/-0.259 χ^2/NDF: 3104022.4/44

All: 1921.657+/-0.183 χ^2/NDF: 6871910.7/92

- sign 1932.494+/-0.257 χ^2/NDF: 3764310.7/47



Right In: 4165.744+/-706.124 χ^2/NDF: 16.3/20

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

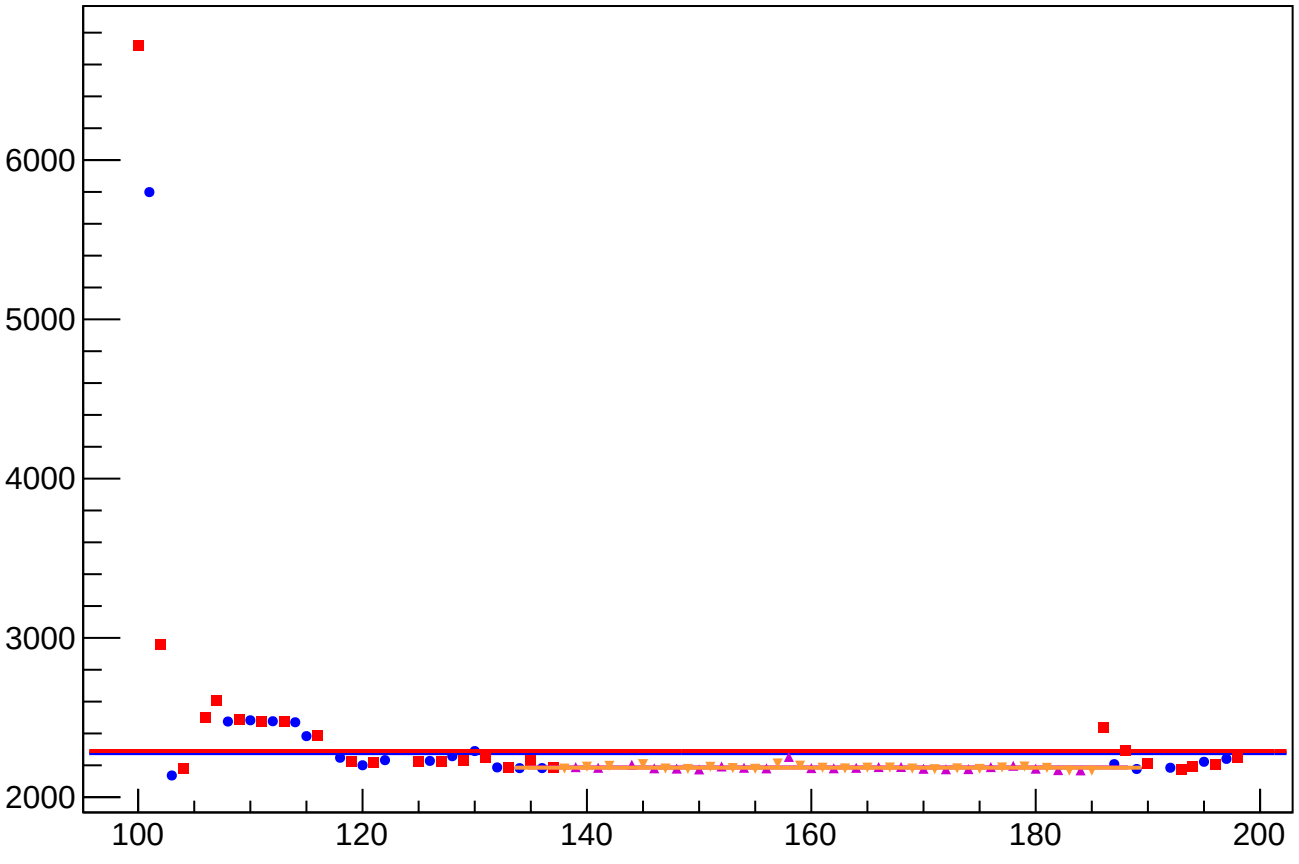
Right Out: -4031.703+/-655.231 χ^2/NDF: 21.4/24

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3873.952+/-411.920 χ^2/NDF: 42.0/44

All: -220.219+/-287.972 χ^2/NDF: 288.8/92

- sign -4133.966+/-402.742 χ^2/NDF: 53.6/47



Right In: 2276.479+/-0.499 χ^2/NDF: 523443.0/20

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

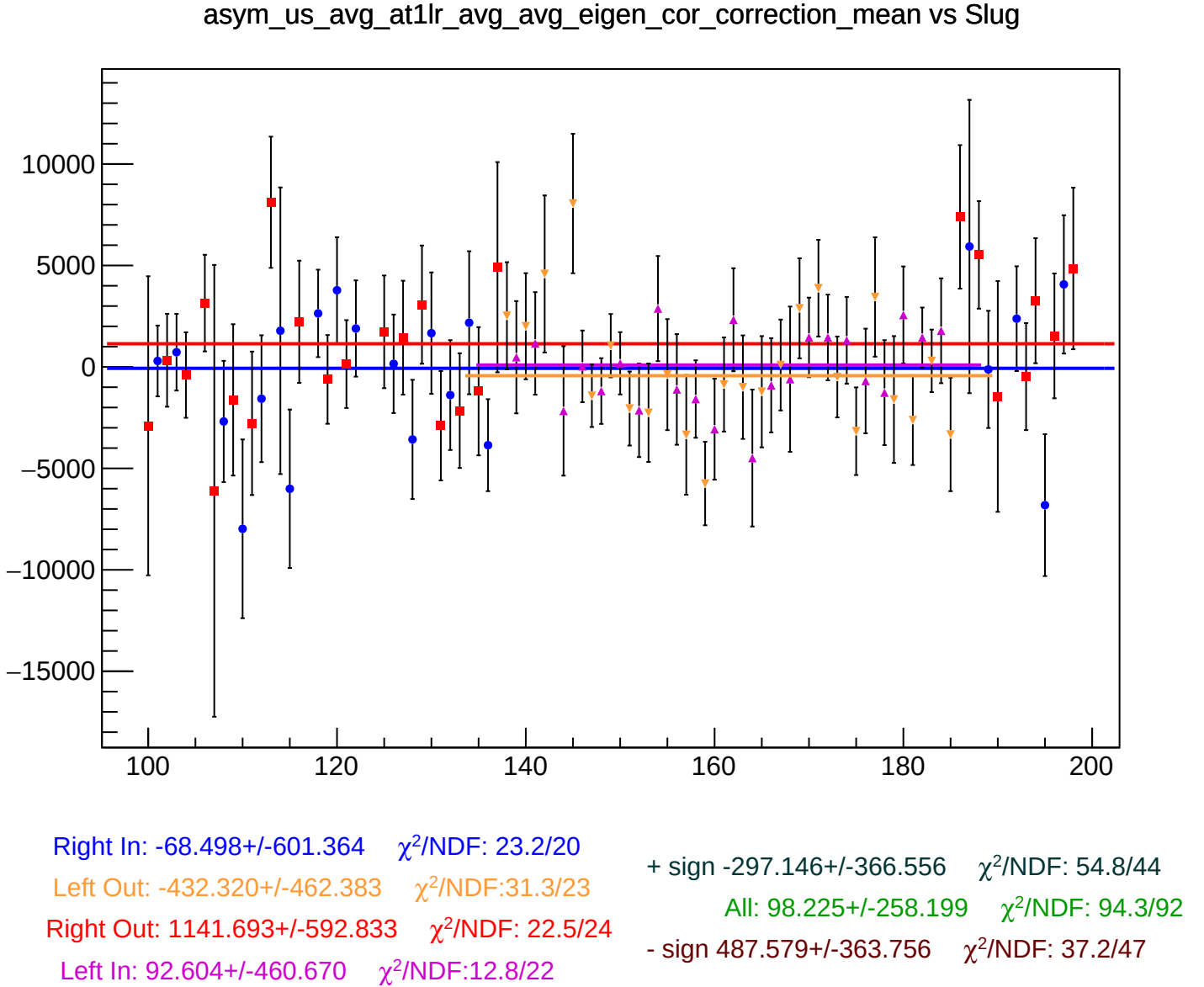
Right Out: 2289.802+/-0.463 χ^2/NDF: 170749.5/24

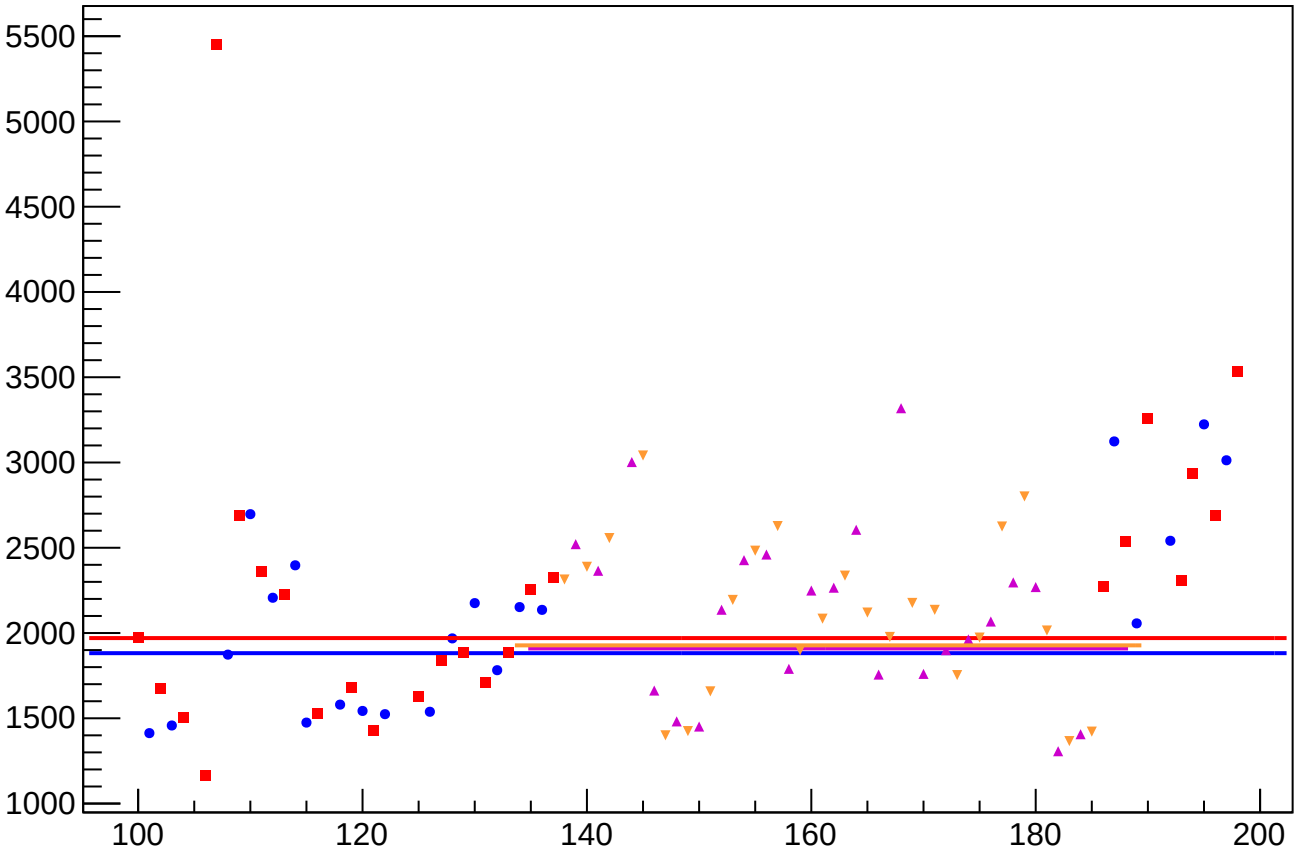
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.218+/-0.291 χ^2/NDF: 546337.7/44

All: 2221.056+/-0.204 χ^2/NDF: 750474.2/92

- sign 2225.680+/-0.285 χ^2/NDF: 203596.9/47


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: -68.498+/-601.364 χ²/NDF: 23.2/20
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 1141.693+/-592.833 χ²/NDF: 22.5/24
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign -297.146+/-366.556 χ²/NDF: 54.8/44
All: 98.225+/-258.199 χ²/NDF: 94.3/92
- sign 487.579+/-363.756 χ²/NDF: 37.2/47



Right In: 1881.887+/-0.425 χ^2/NDF: 1298333.6/20

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1970.379+/-0.419 χ^2/NDF: 1808924.0/24

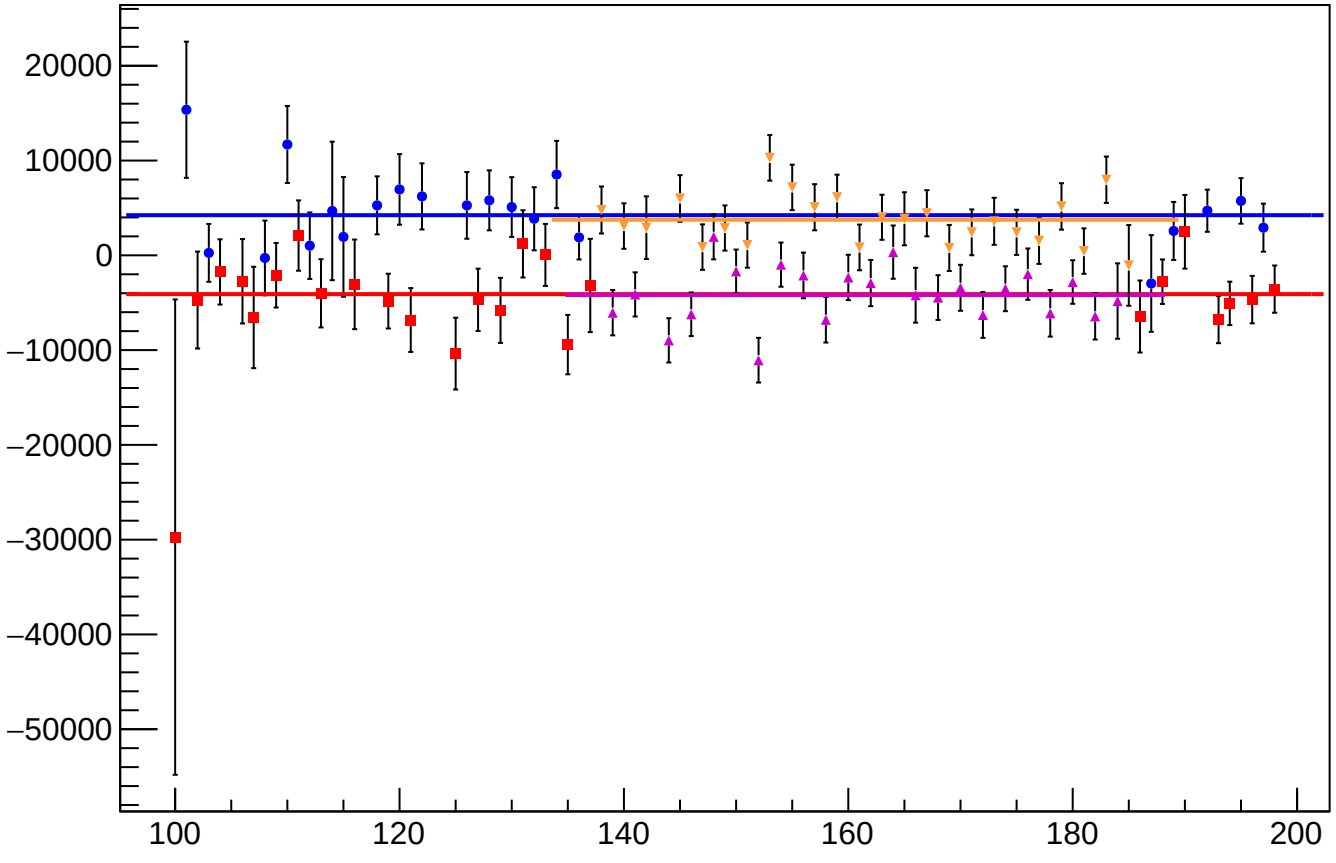
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1910.653+/-0.259 χ^2/NDF: 3104022.4/44

All: 1921.657+/-0.183 χ^2/NDF: 6871910.7/92

- sign 1932.494+/-0.257 χ^2/NDF: 3764310.7/47

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4237.847+/-716.125 χ^2/NDF: 16.6/20

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4092.011+/-666.391 χ^2/NDF: 20.5/24

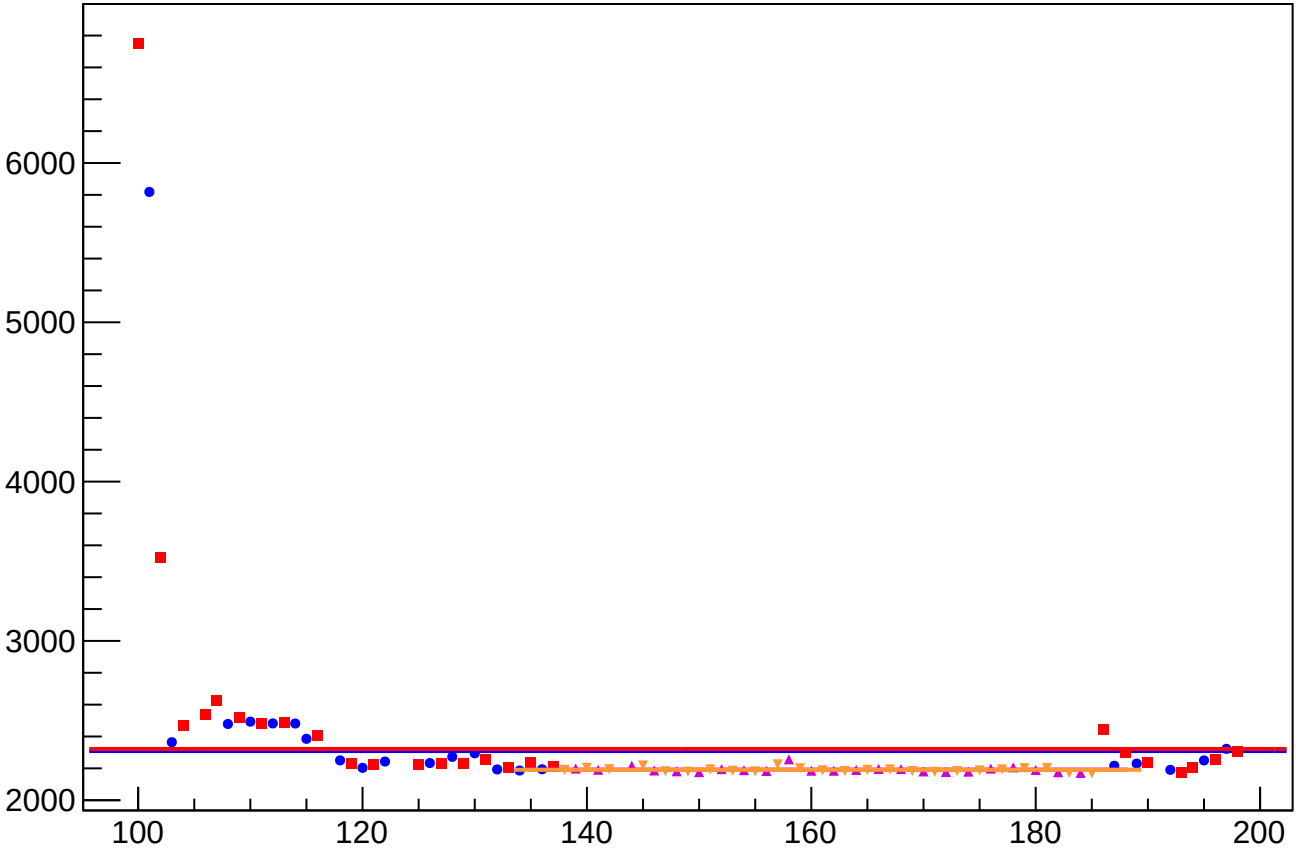
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3916.256+/-414.645 χ^2/NDF: 42.6/44

All: -202.491+/-290.070 χ^2/NDF: 289.0/92

- sign -4150.000+/-405.934 χ^2/NDF: 53.2/47

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2308.541+/-0.506 χ^2/NDF: 514725.4/20

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

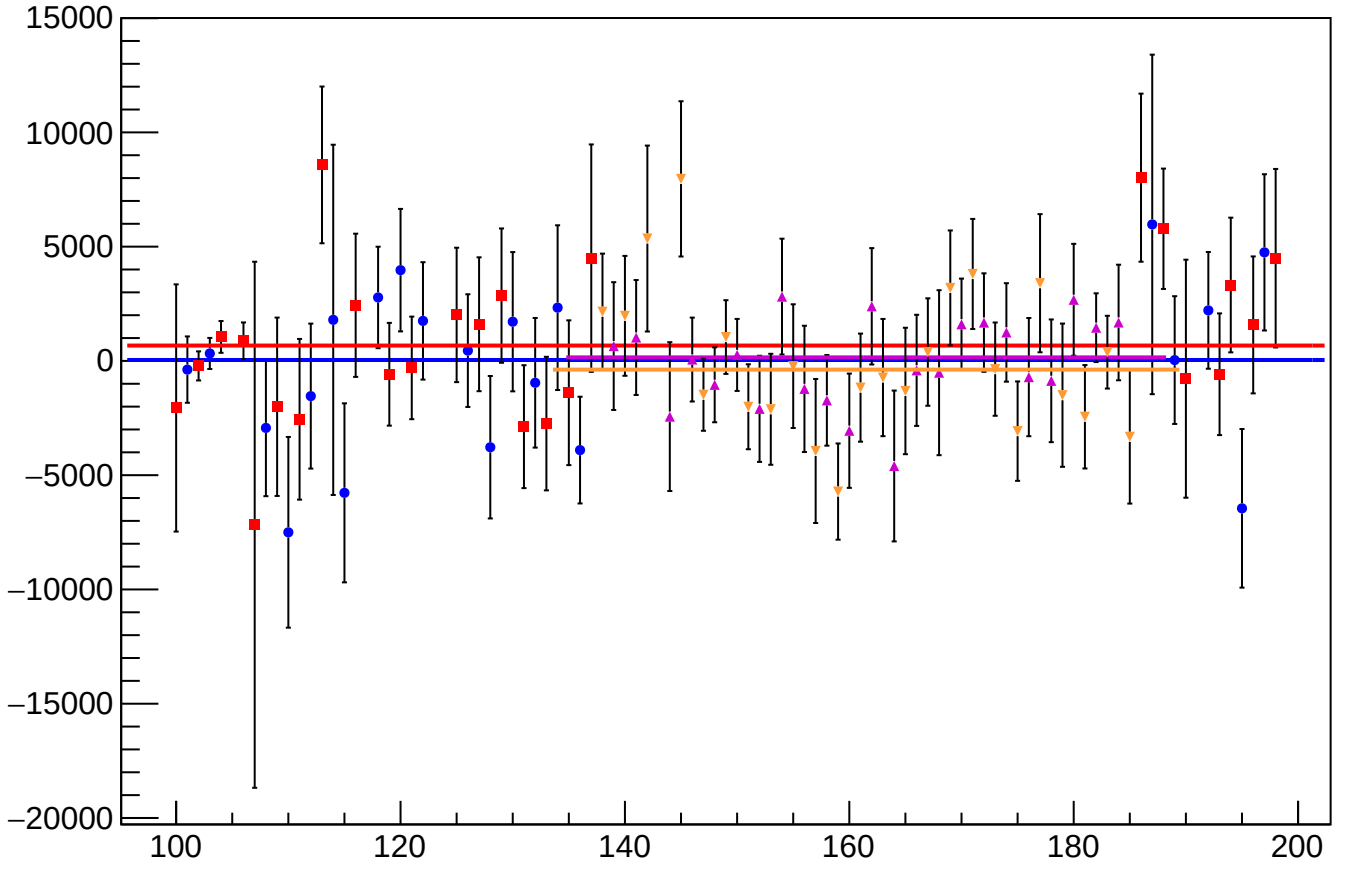
Right Out: 2321.669+/-0.471 χ^2/NDF: 232701.0/24

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2230.504+/-0.293 χ^2/NDF: 551681.7/44

All: 2235.477+/-0.205 χ^2/NDF: 834707.1/92

- sign 2240.243+/-0.287 χ^2/NDF: 282461.9/47



Right In: 40.215+/-460.604 χ^2/NDF: 23.1/20

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

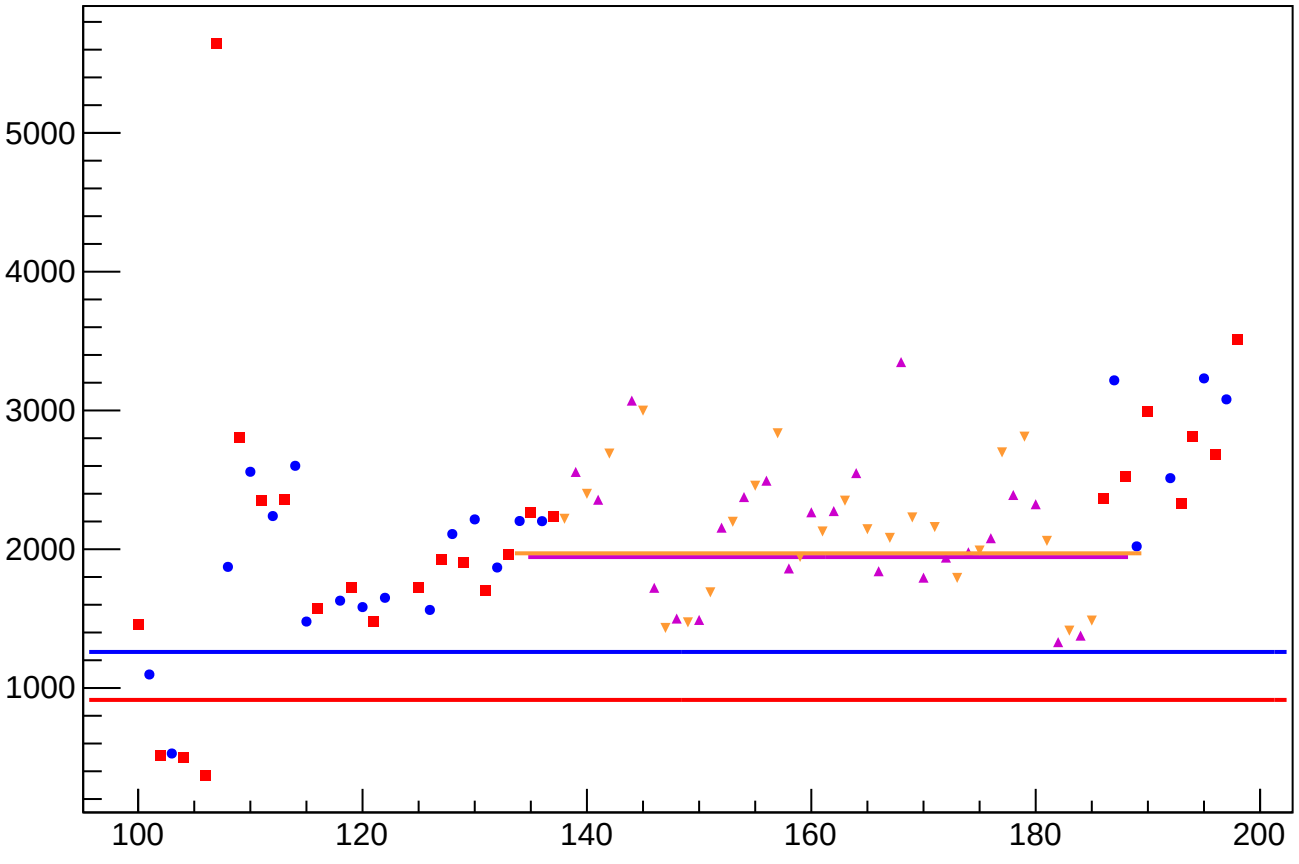
Right Out: 672.461+/-347.205 χ^2/NDF: 25.4/24

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -165.227+/-329.474 χ^2/NDF: 54.3/44

All: 215.719+/-212.848 χ^2/NDF: 95.5/92

- sign 488.585+/-278.846 χ^2/NDF: 39.0/47



Right In: 1259.892+/-0.326 χ^2/NDF: 5922185.8/20

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

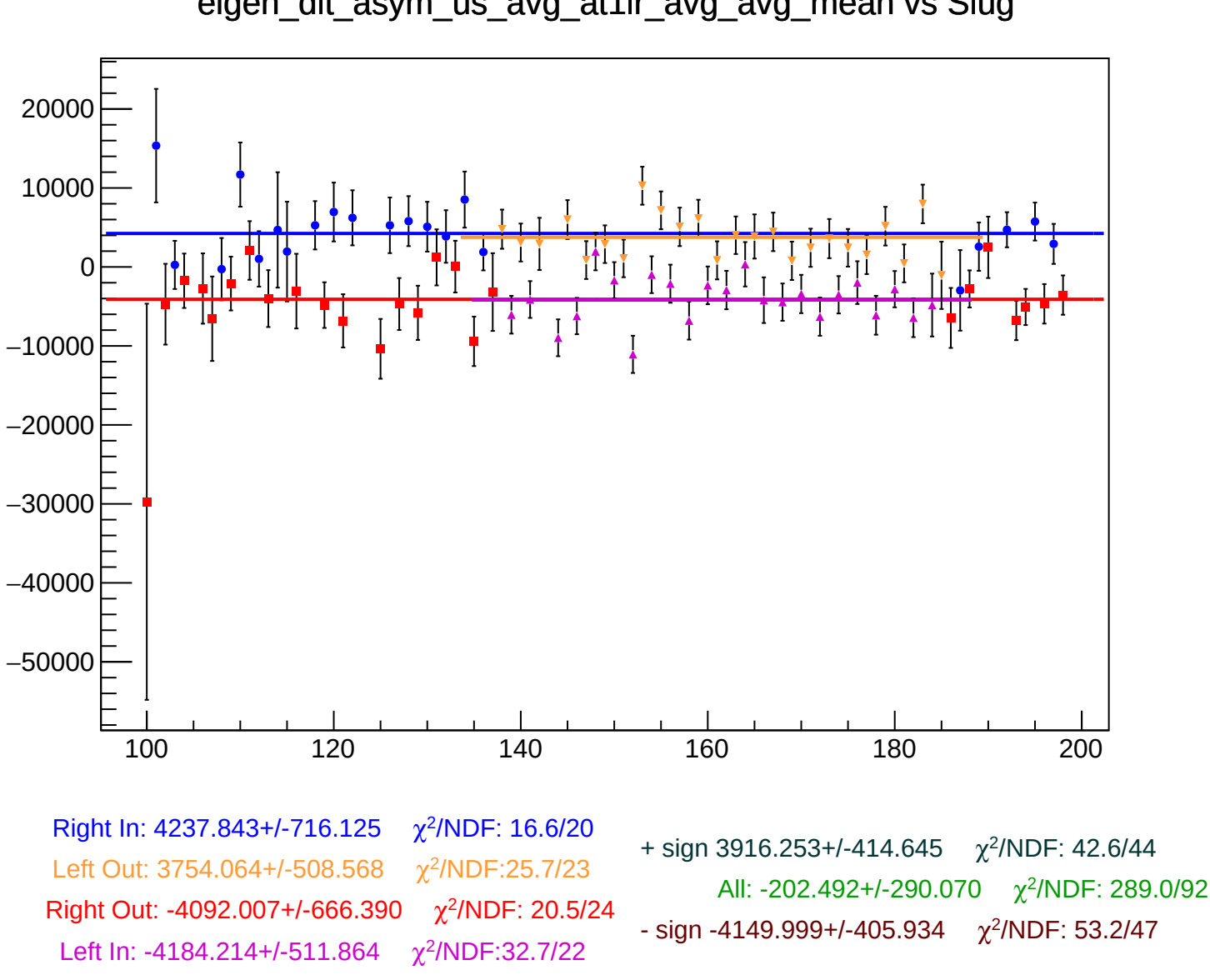
Right Out: 914.195+/-0.246 χ^2/NDF: 10325381.1/24

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

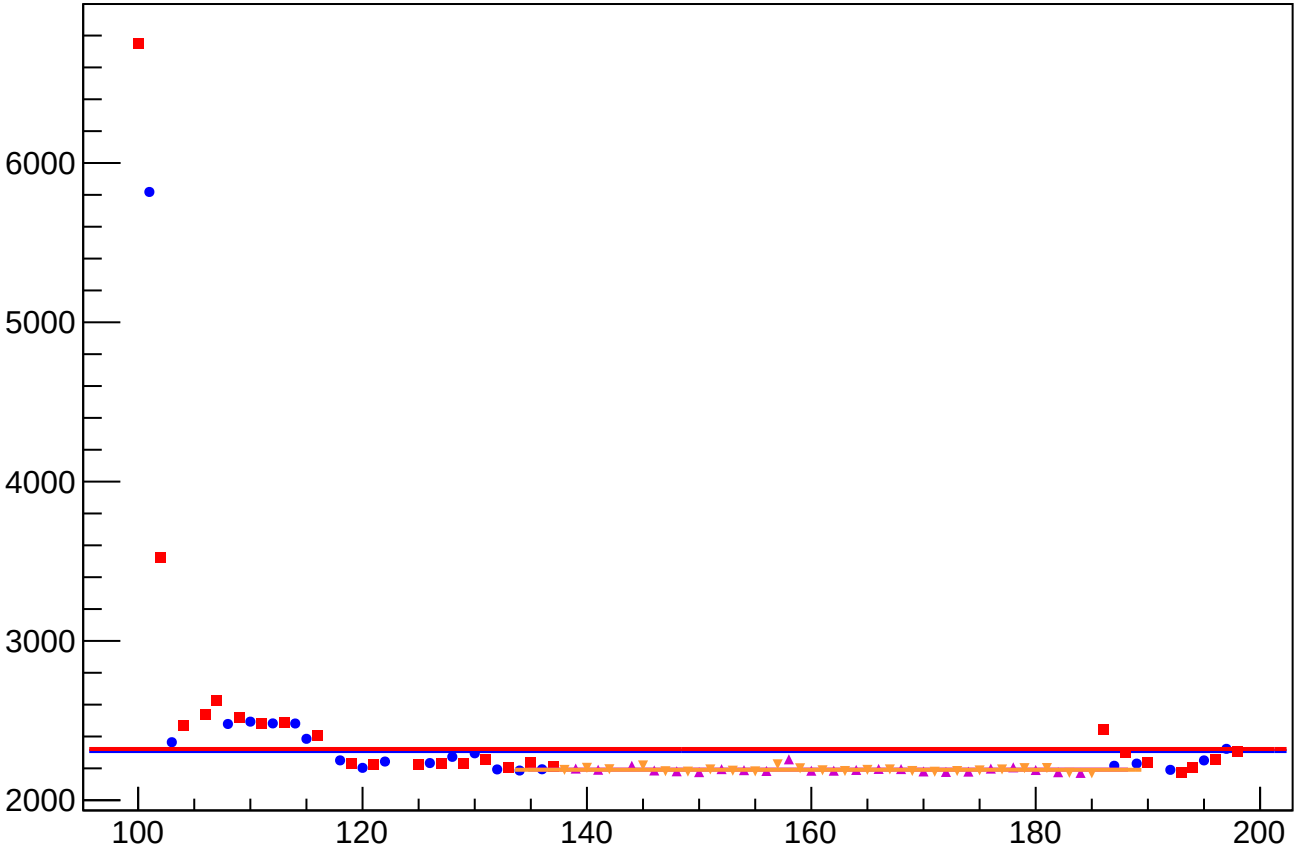
+ sign 1606.980+/-0.233 χ^2/NDF: 9944474.9/44

All: 1416.260+/-0.151 χ^2/NDF: 29544492.5/9

- sign 1279.651+/-0.197 χ^2/NDF: 18449833.3/47


eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 4237.843+/-716.125 χ²/NDF: 16.6/20
Left Out: 3754.064+/-508.568 χ²/NDF:25.7/23
Right Out: -4092.007+/-666.390 χ²/NDF: 20.5/24
Left In: -4184.214+/-511.864 χ²/NDF:32.7/22
+ sign 3916.253+/-414.645 χ²/NDF: 42.6/44
All: -202.492+/-290.070 χ²/NDF: 289.0/92
- sign -4149.999+/-405.934 χ²/NDF: 53.2/47

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2308.541+/-0.506 χ^2/NDF: 514725.4/20

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

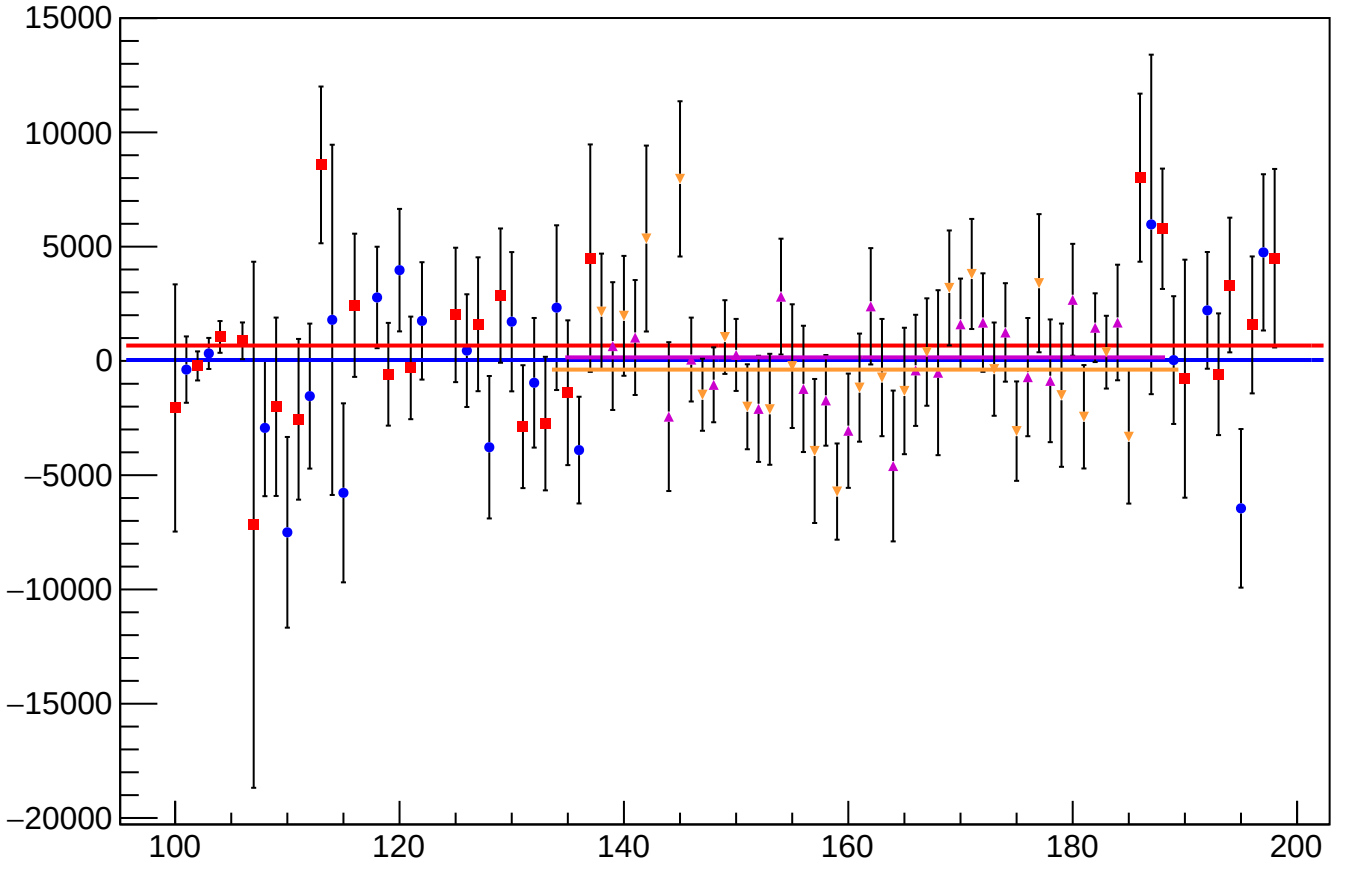
Right Out: 2321.669+/-0.471 χ^2/NDF: 232699.9/24

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2230.504+/-0.293 χ^2/NDF: 551681.5/44

All: 2235.476+/-0.205 χ^2/NDF: 834705.4/92

- sign 2240.242+/-0.287 χ^2/NDF: 282460.5/47



Right In: 40.210+/-460.606 χ^2/NDF: 23.1/20

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

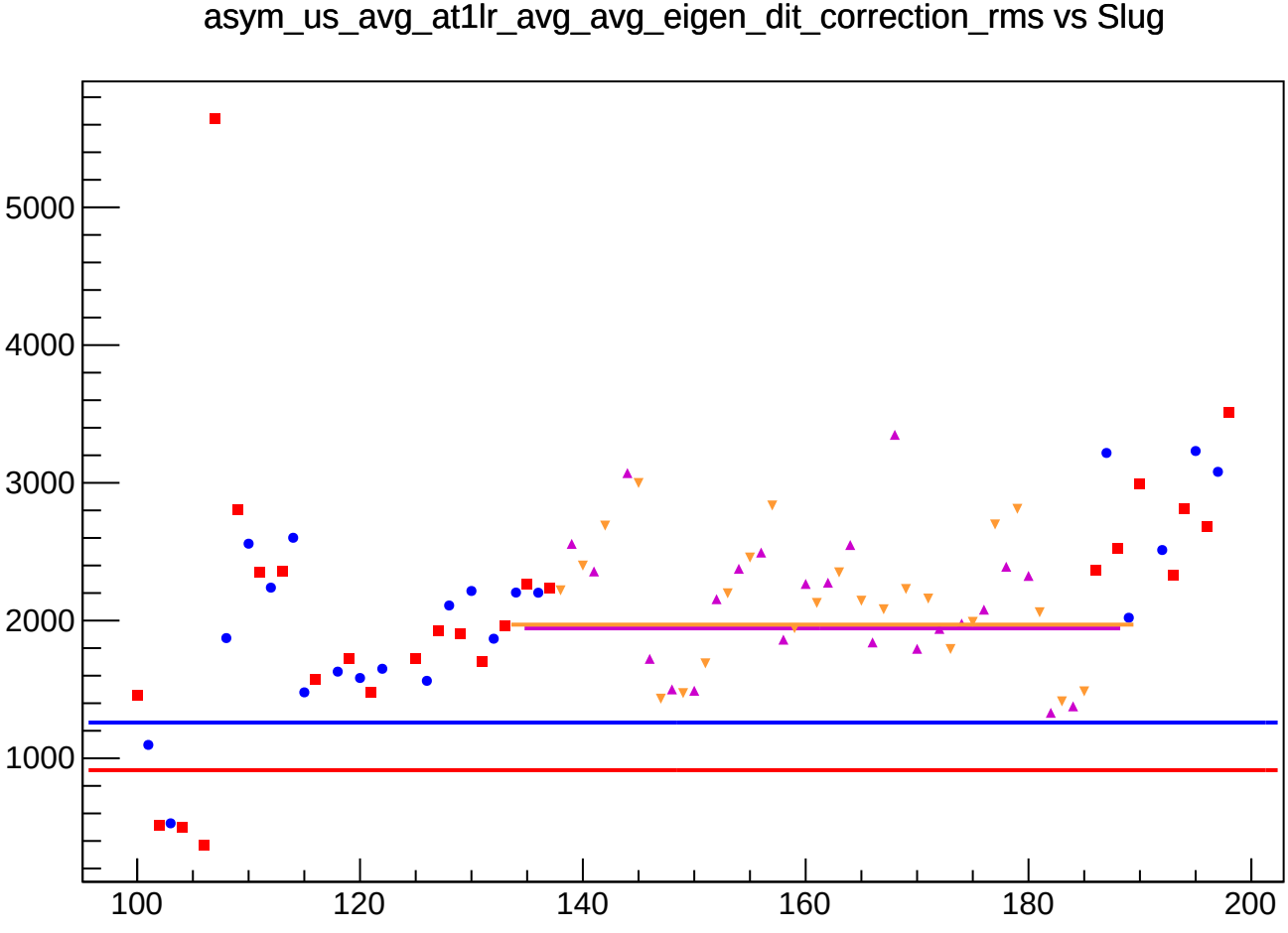
Right Out: 672.469+/-347.209 χ^2/NDF: 25.4/24

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -165.233+/-329.475 χ^2/NDF: 54.3/44

All: 215.717+/-212.849 χ^2/NDF: 95.5/92

- sign 488.588+/-278.848 χ^2/NDF: 39.0/47



Right In: 1259.902+/-0.326 χ^2/NDF: 5922085.9/20

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 914.213+/-0.246 χ^2/NDF: 10325186.0/24

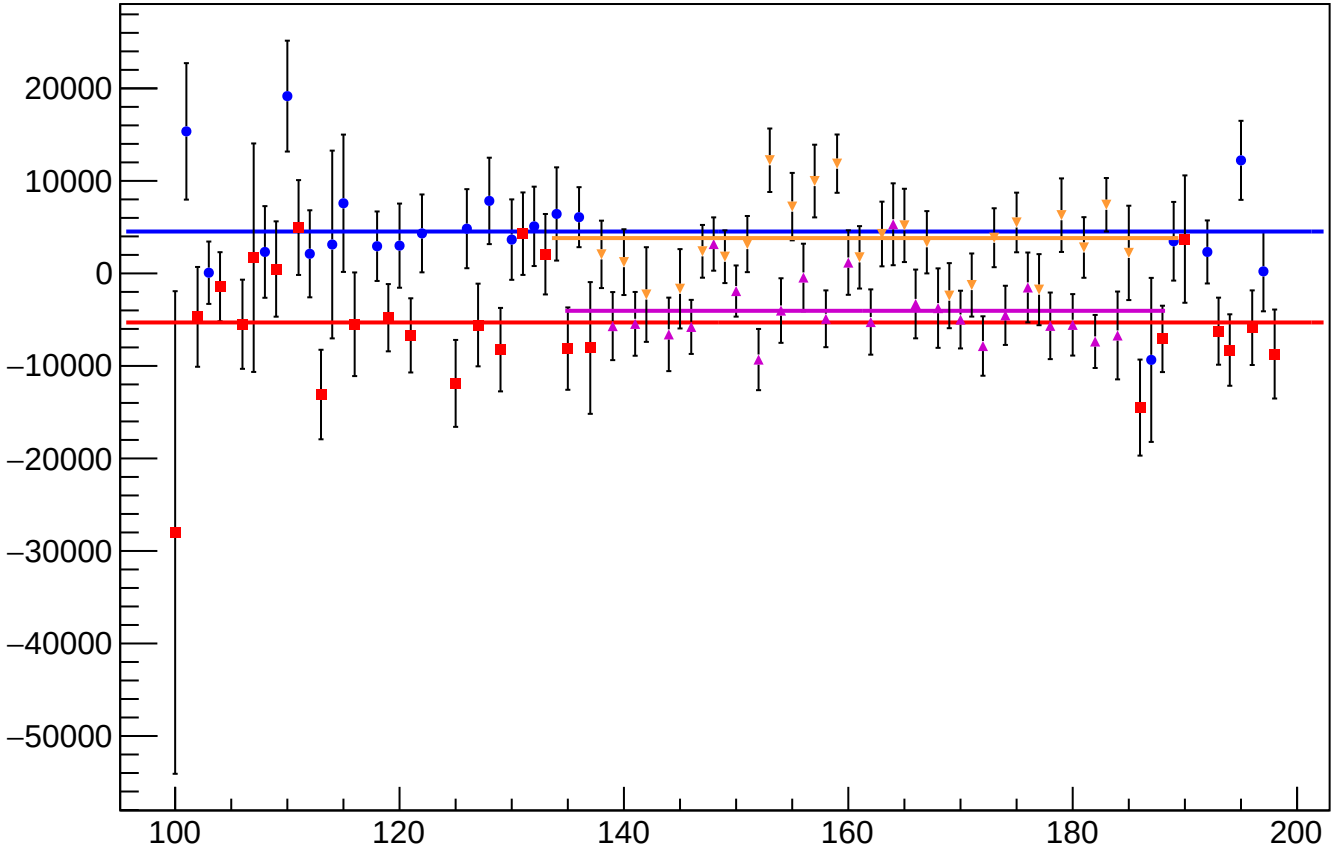
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1606.988+/-0.233 χ^2/NDF: 9944315.4/44

All: 1416.275+/-0.151 χ^2/NDF: 29543820.6/9

- sign 1279.669+/-0.197 χ^2/NDF: 18449399.0/47

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4527.784+/-985.959 χ^2/NDF: 18.9/20

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5302.097+/-933.660 χ^2/NDF: 26.9/24

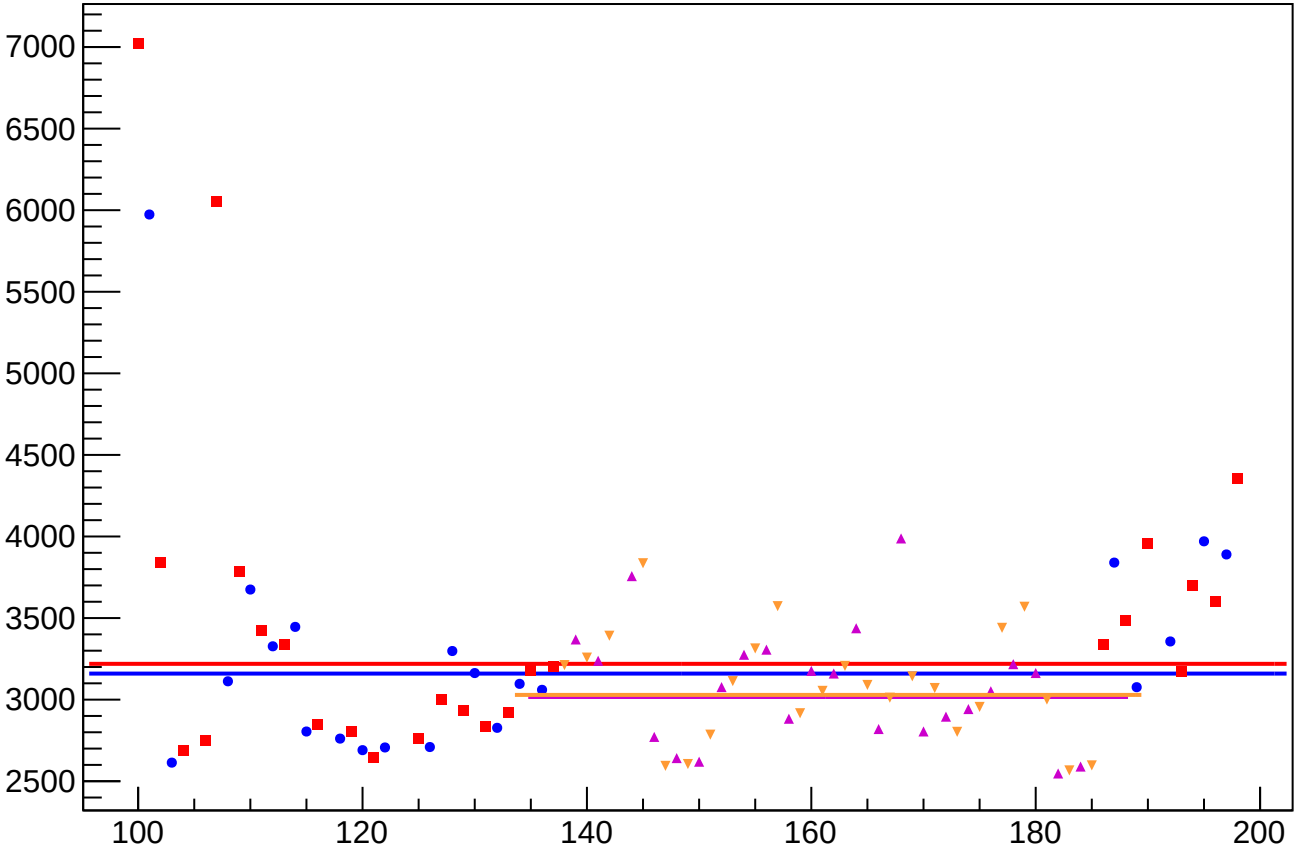
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4059.511+/-575.256 χ^2/NDF: 50.1/44

All: -299.540+/-403.070 χ^2/NDF: 213.5/92

- sign -4503.615+/-564.937 χ^2/NDF: 50.6/47

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3159.657+/-0.697 χ^2/NDF: 620803.7/20

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

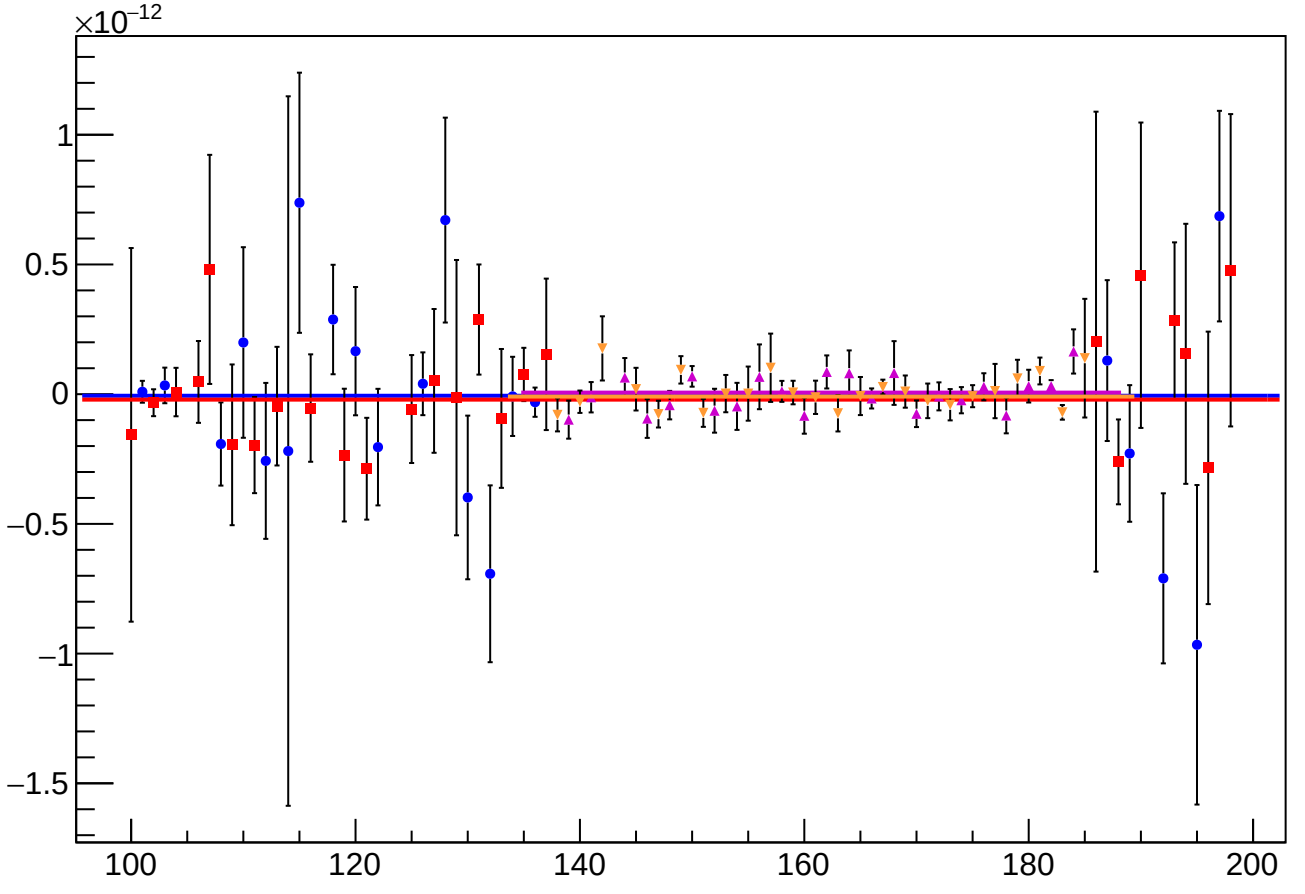
Right Out: 3219.436+/-0.660 χ^2/NDF: 590803.6/24

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3073.466+/-0.407 χ^2/NDF: 1041086.6/44

All: 3082.209+/-0.285 χ^2/NDF: 2132736.2/92

- sign 3090.642+/-0.399 χ^2/NDF: 1090741.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

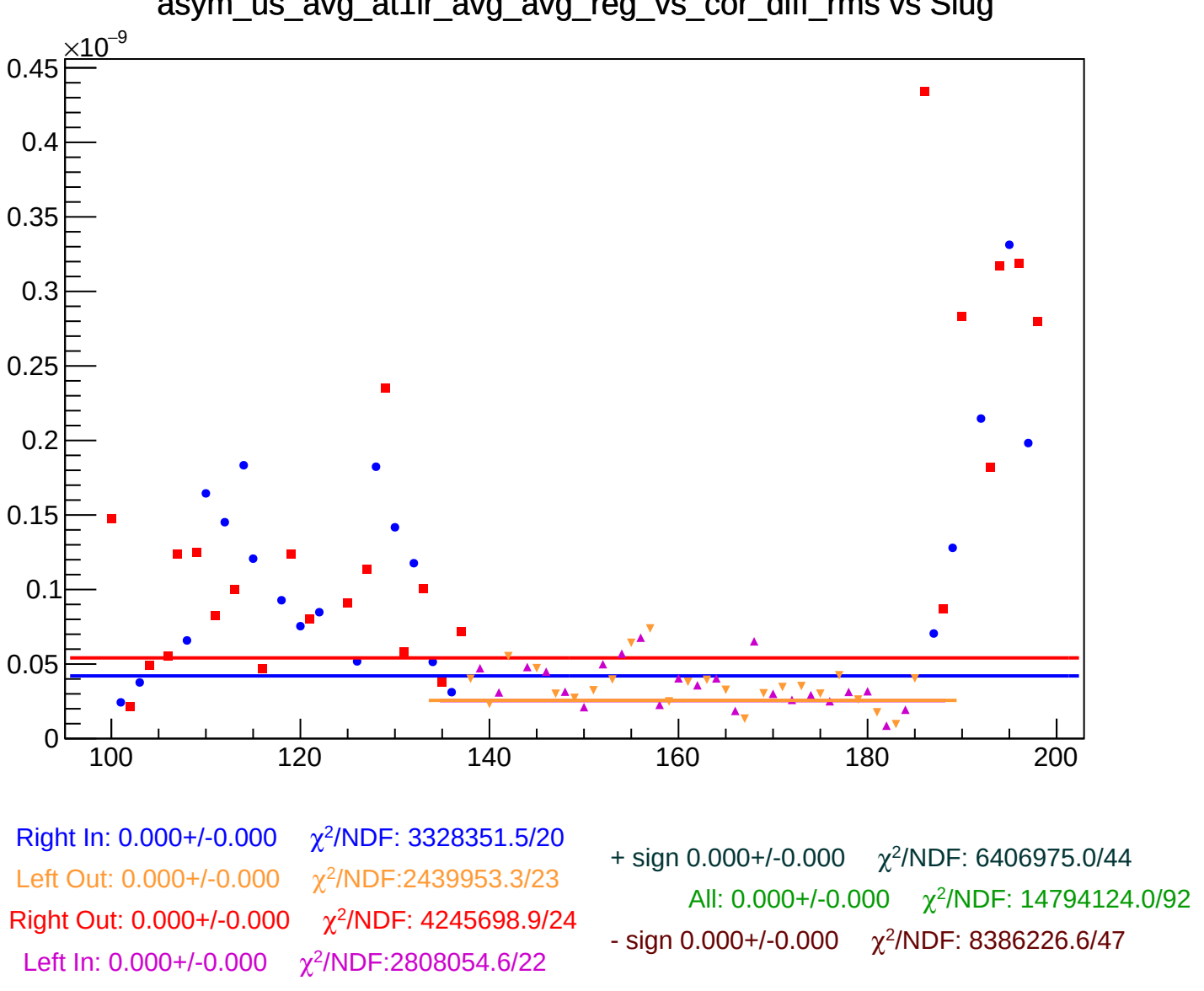
Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/24

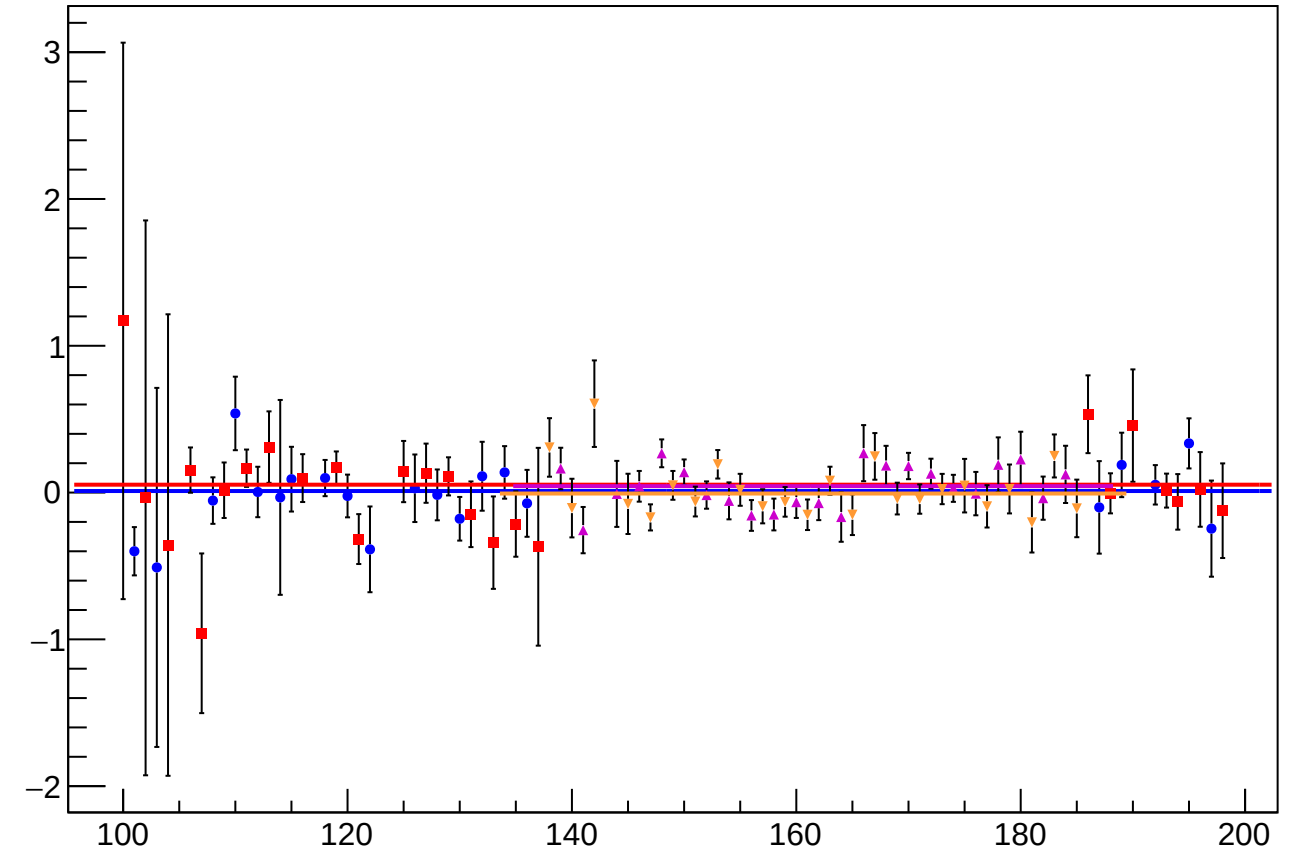
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.2/44

All: -0.000+/-0.000 χ^2/NDF: 90.6/92

- sign 0.000+/-0.000 χ^2/NDF: 37.8/47


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3328351.5/20
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 4245698.9/24
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
+ sign 0.000+/-0.000 χ²/NDF: 6406975.0/44
All: 0.000+/-0.000 χ²/NDF: 14794124.0/92
- sign 0.000+/-0.000 χ²/NDF: 8386226.6/47



Right In: 0.010+/-0.042 χ^2/NDF: 21.2/20

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

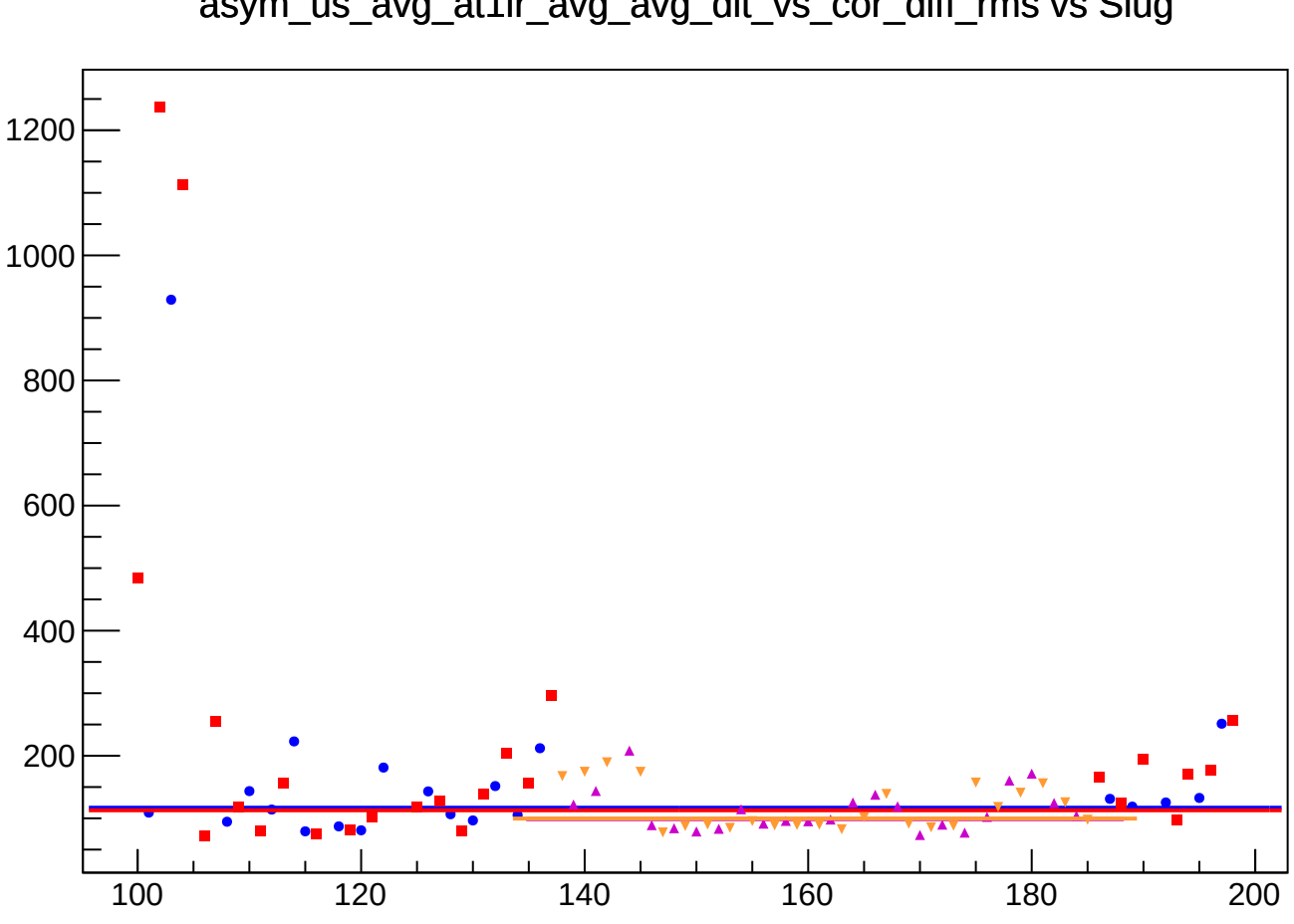
Right Out: 0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.002+/-0.022 χ^2/NDF: 49.0/44

All: 0.023+/-0.015 χ^2/NDF: 104.1/92

- sign 0.047+/-0.021 χ^2/NDF: 52.5/47



Right In: 116.933+/-0.030 χ^2/NDF: 2231725.6/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 112.855+/-0.027 χ^2/NDF: 3856034.0/24

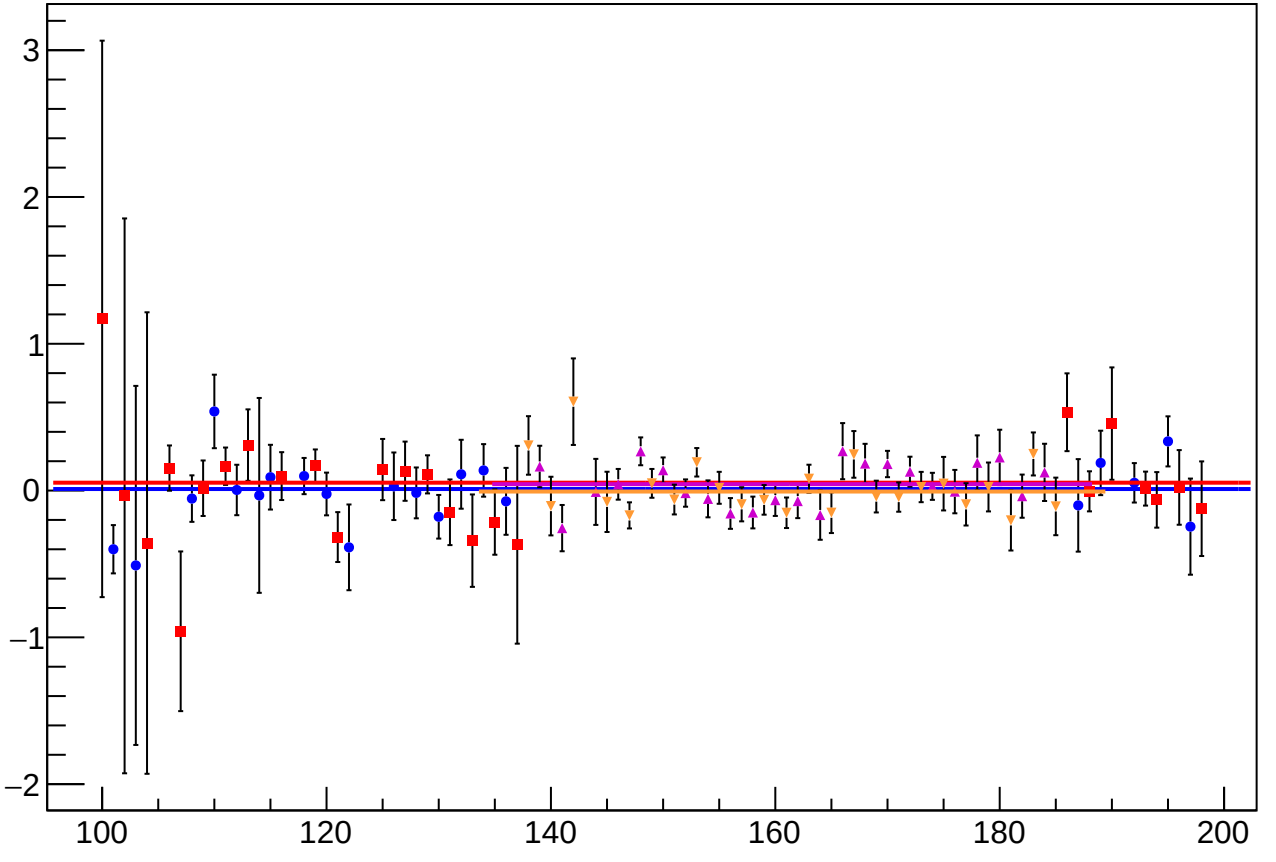
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 104.236+/-0.015 χ^2/NDF: 4554075.5/44

All: 103.526+/-0.011 χ^2/NDF: 10606817.9/92

- sign 102.857+/-0.015 χ^2/NDF: 6048569.8/47

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.042 χ^2/NDF: 21.2/20

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

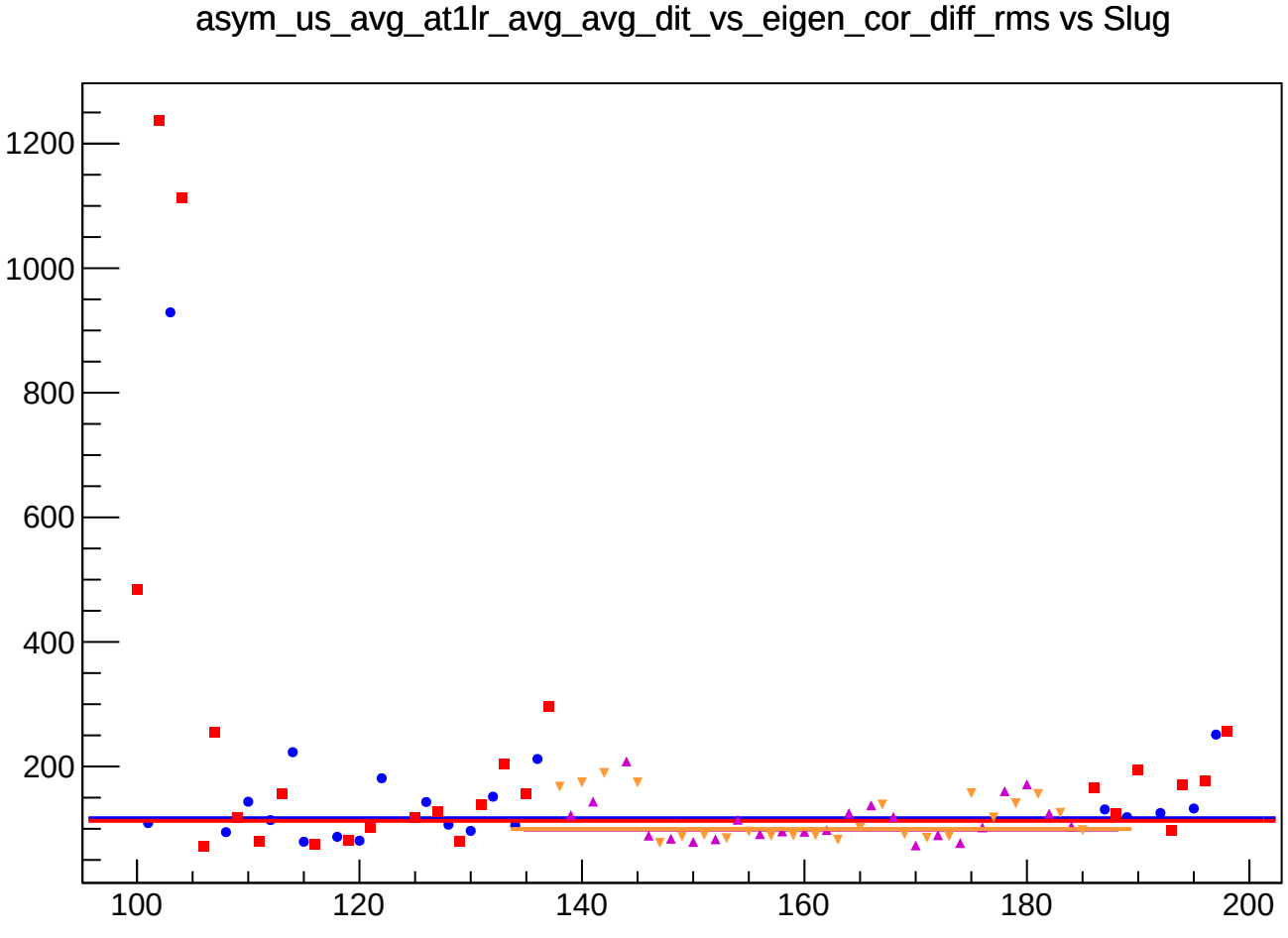
Right Out: 0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.002+/-0.022 χ^2/NDF: 49.0/44

All: 0.023+/-0.015 χ^2/NDF: 104.1/92

- sign 0.047+/-0.021 χ^2/NDF: 52.5/47



Right In: 116.933+/-0.030 χ^2/NDF: 2231725.6/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

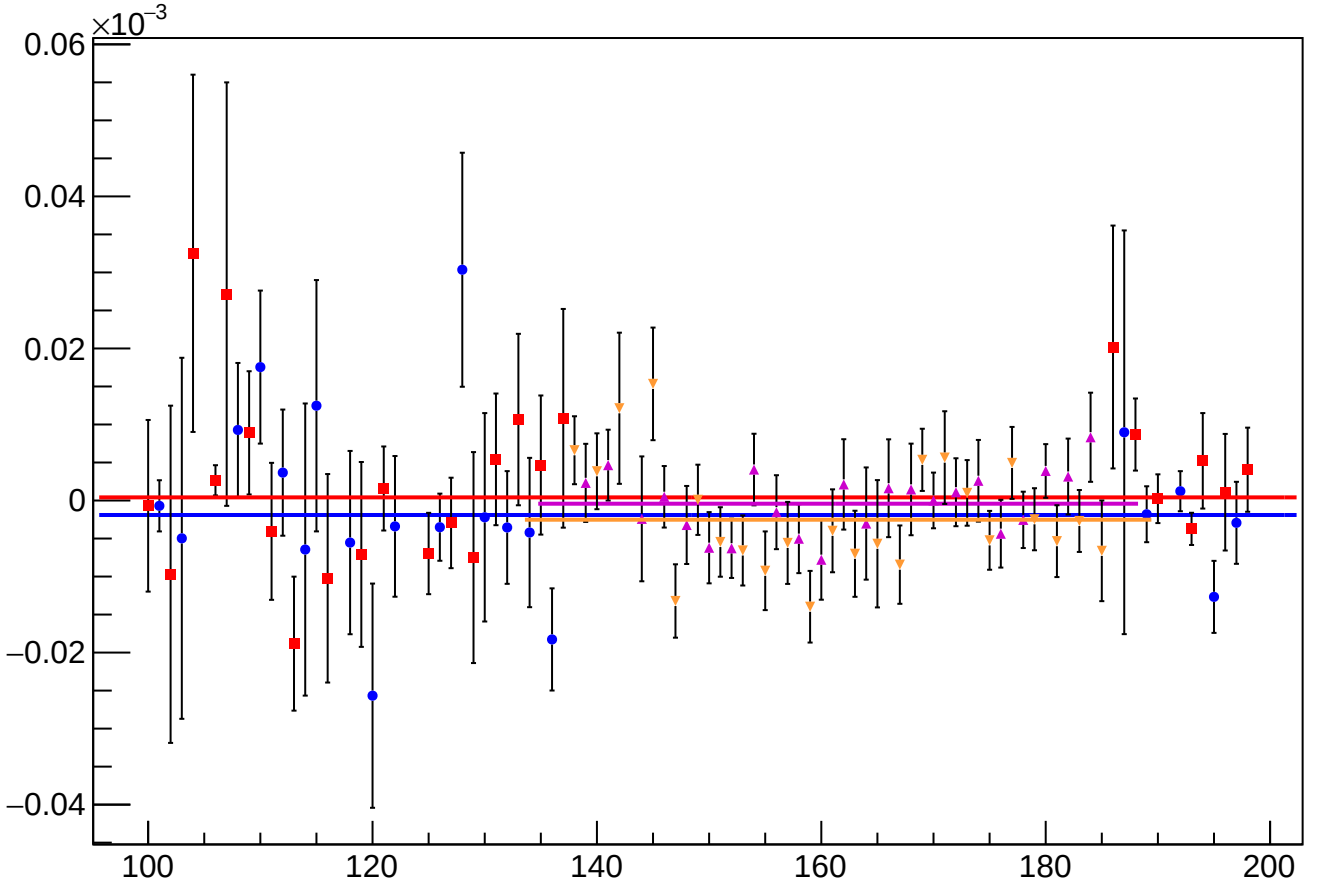
Right Out: 112.855+/-0.027 χ^2/NDF: 3856034.0/24

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 104.236+/-0.015 χ^2/NDF: 4554075.5/44

All: 103.526+/-0.011 χ^2/NDF: 10606817.9/92

- sign 102.857+/-0.015 χ^2/NDF: 6048569.8/47



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

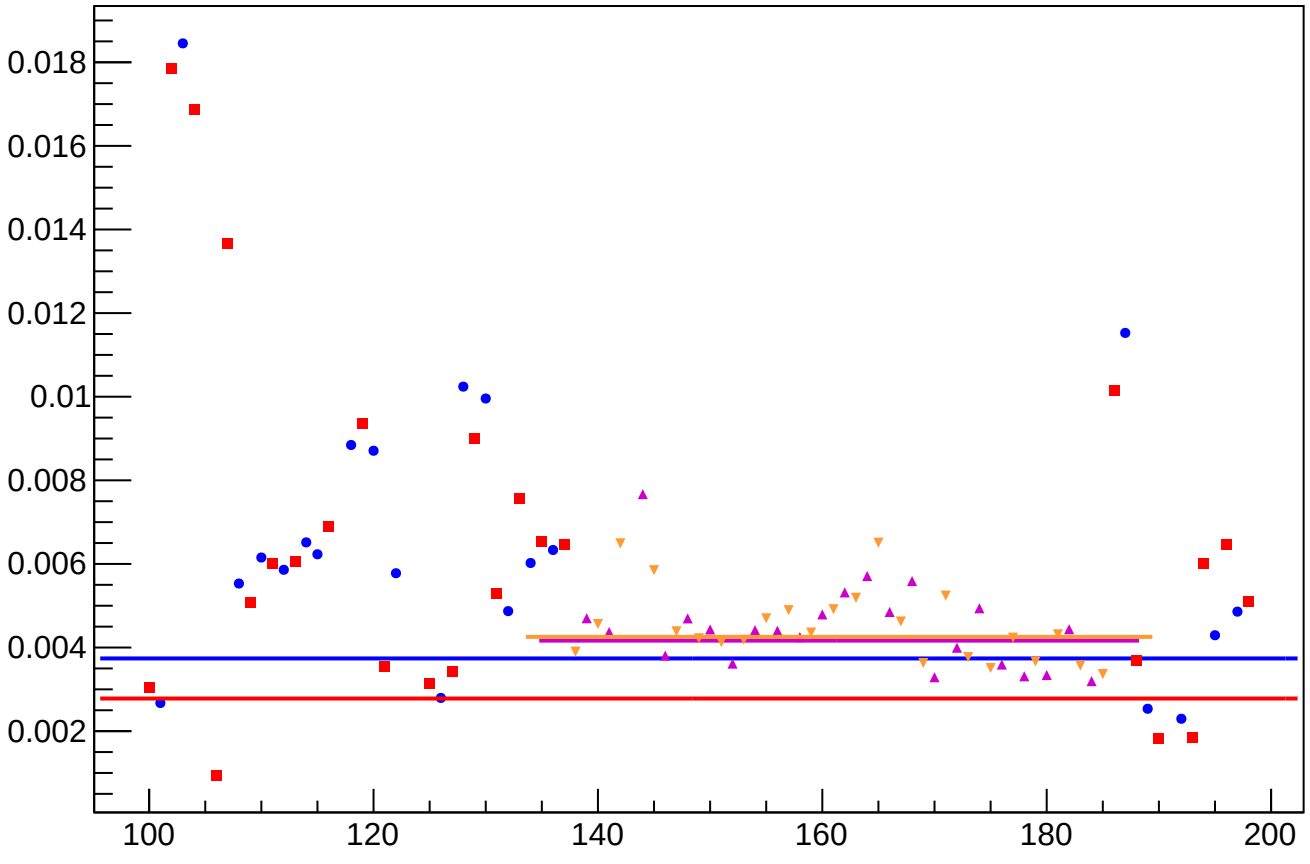
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/24

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.1/44

All: -0.000+/-0.000 χ^2/NDF: 113.0/92

- sign -0.000+/-0.000 χ^2/NDF: 41.5/47



Right In: 0.004+/-0.000 χ^2/NDF: 4478641.0/20

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 9002875.3/24

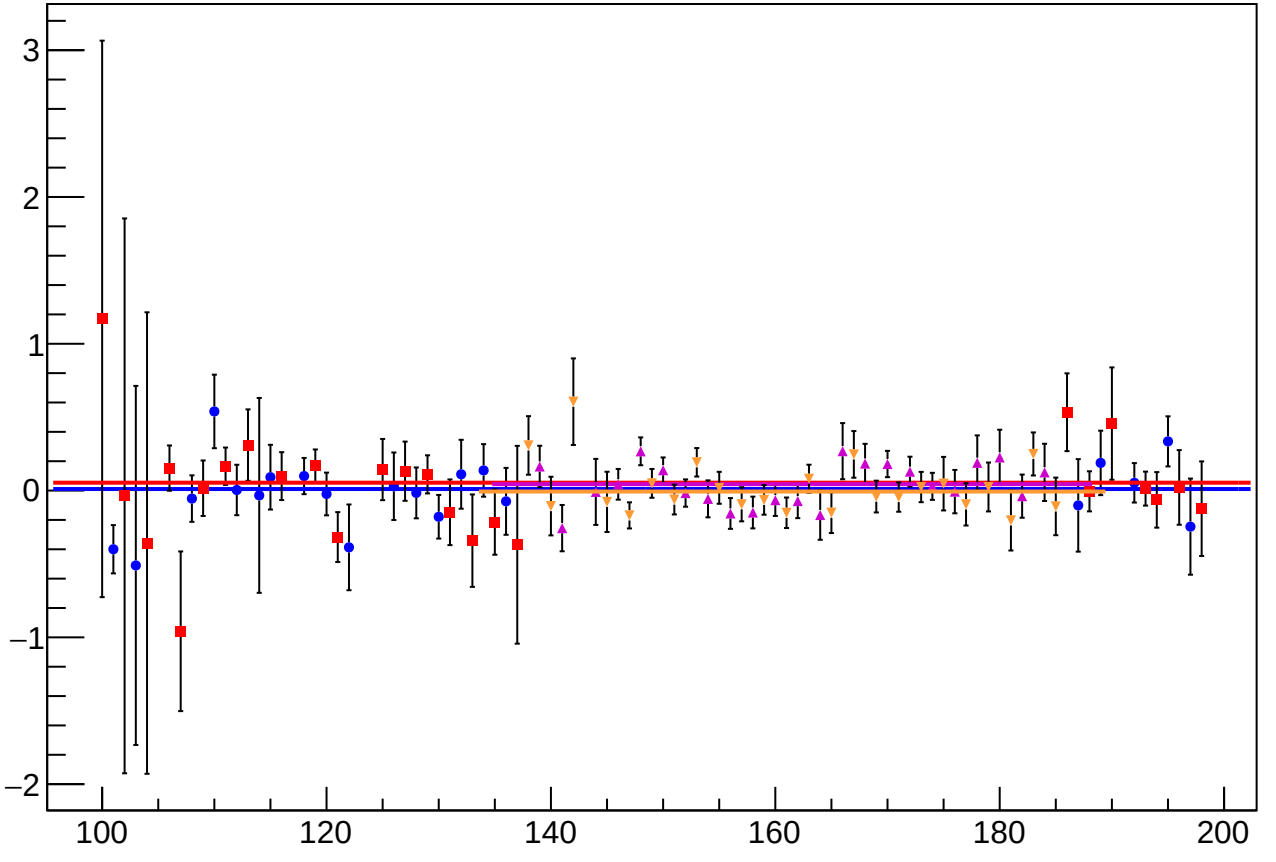
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 5502839.7/44

All: 0.004+/-0.000 χ^2/NDF: 18133681.9/92

- sign 0.004+/-0.000 χ^2/NDF: 12109111.6/47

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.042 χ^2/NDF: 21.2/20

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

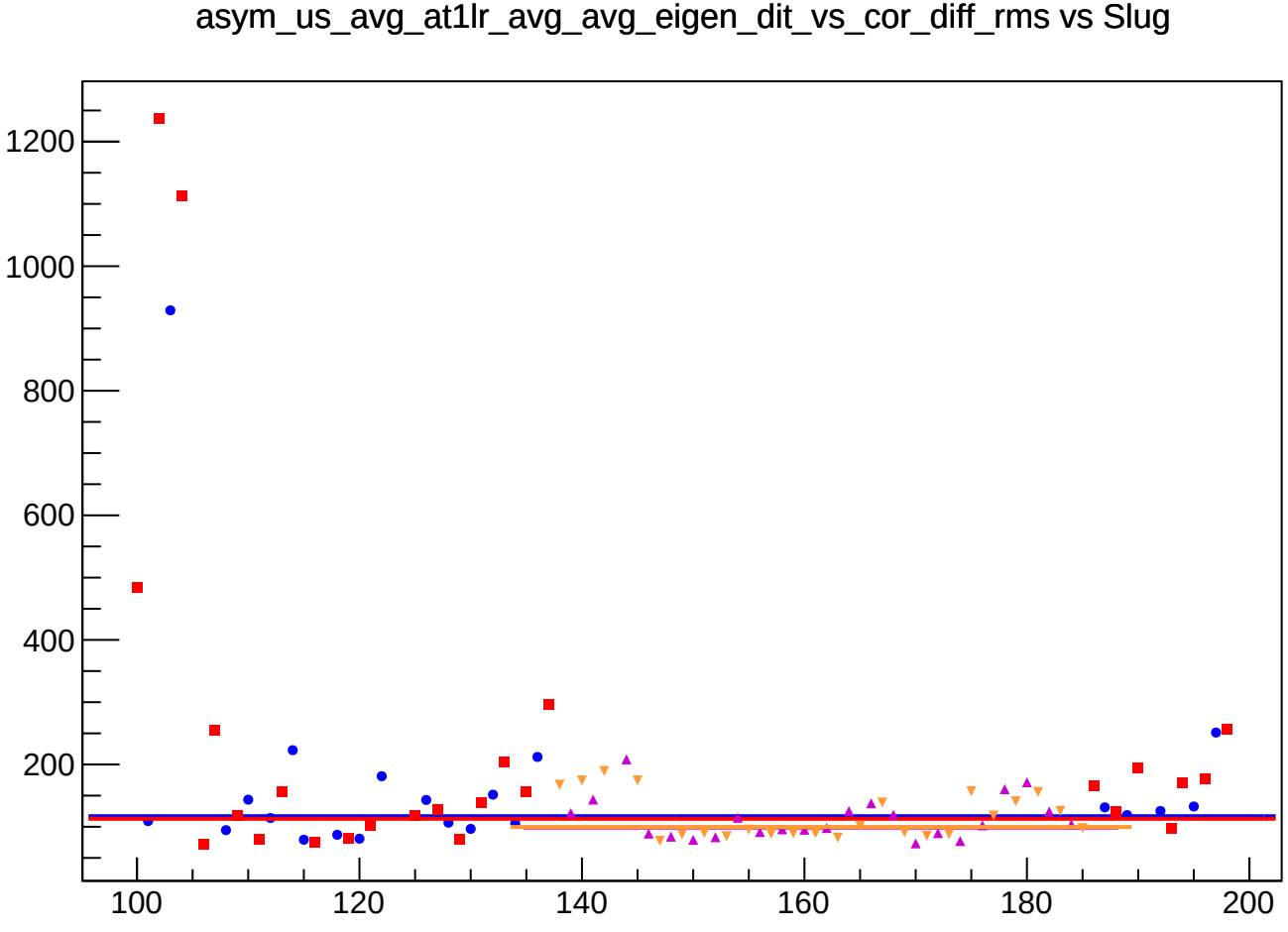
Right Out: 0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.002+/-0.022 χ^2/NDF: 49.0/44

All: 0.023+/-0.015 χ^2/NDF: 104.1/92

- sign 0.047+/-0.021 χ^2/NDF: 52.5/47



Right In: 116.930+/-0.030 χ^2/NDF: 2231800.0/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 112.854+/-0.027 χ^2/NDF: 3856051.9/24

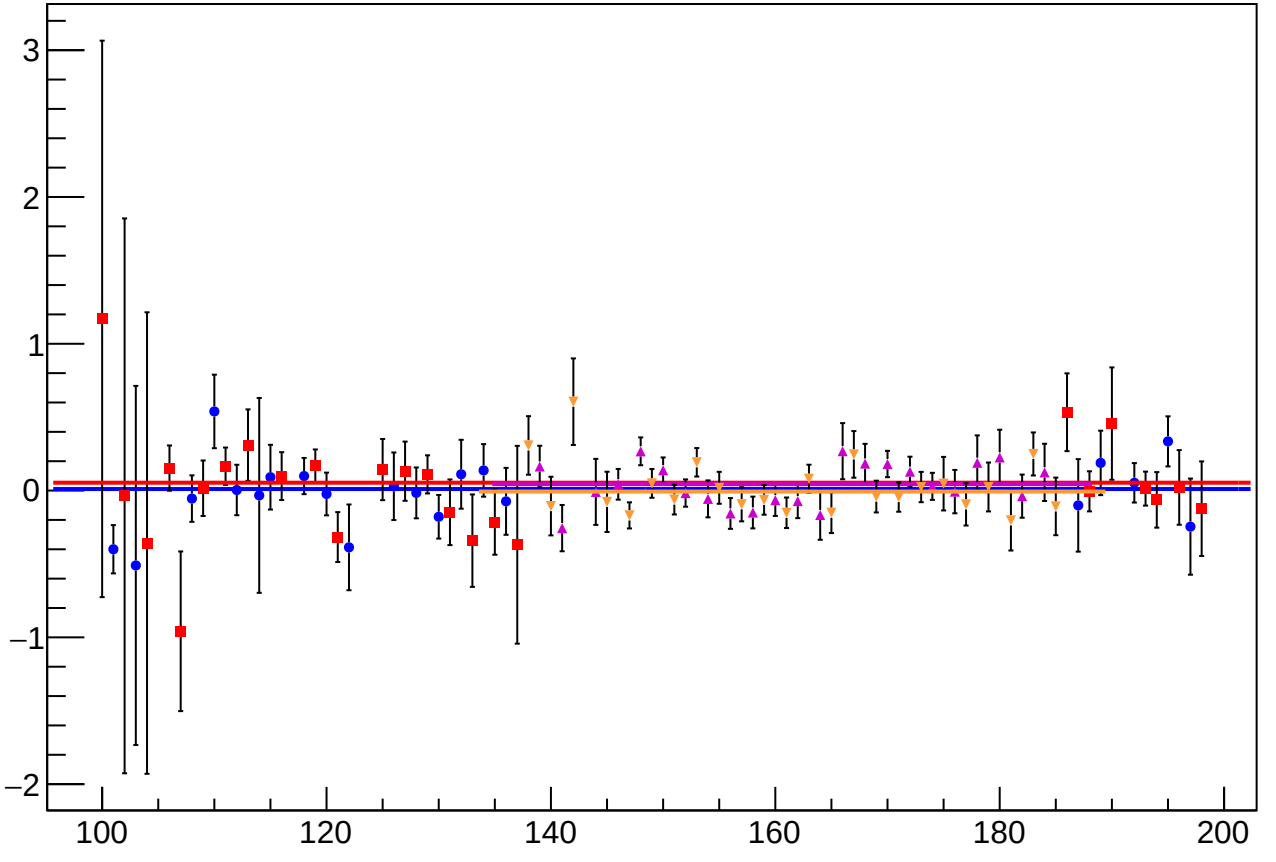
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 104.236+/-0.015 χ^2/NDF: 4554036.0/44

All: 103.526+/-0.011 χ^2/NDF: 10606723.9/92

- sign 102.856+/-0.015 χ^2/NDF: 6048514.9/47

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.042 χ^2/NDF: 21.2/20

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

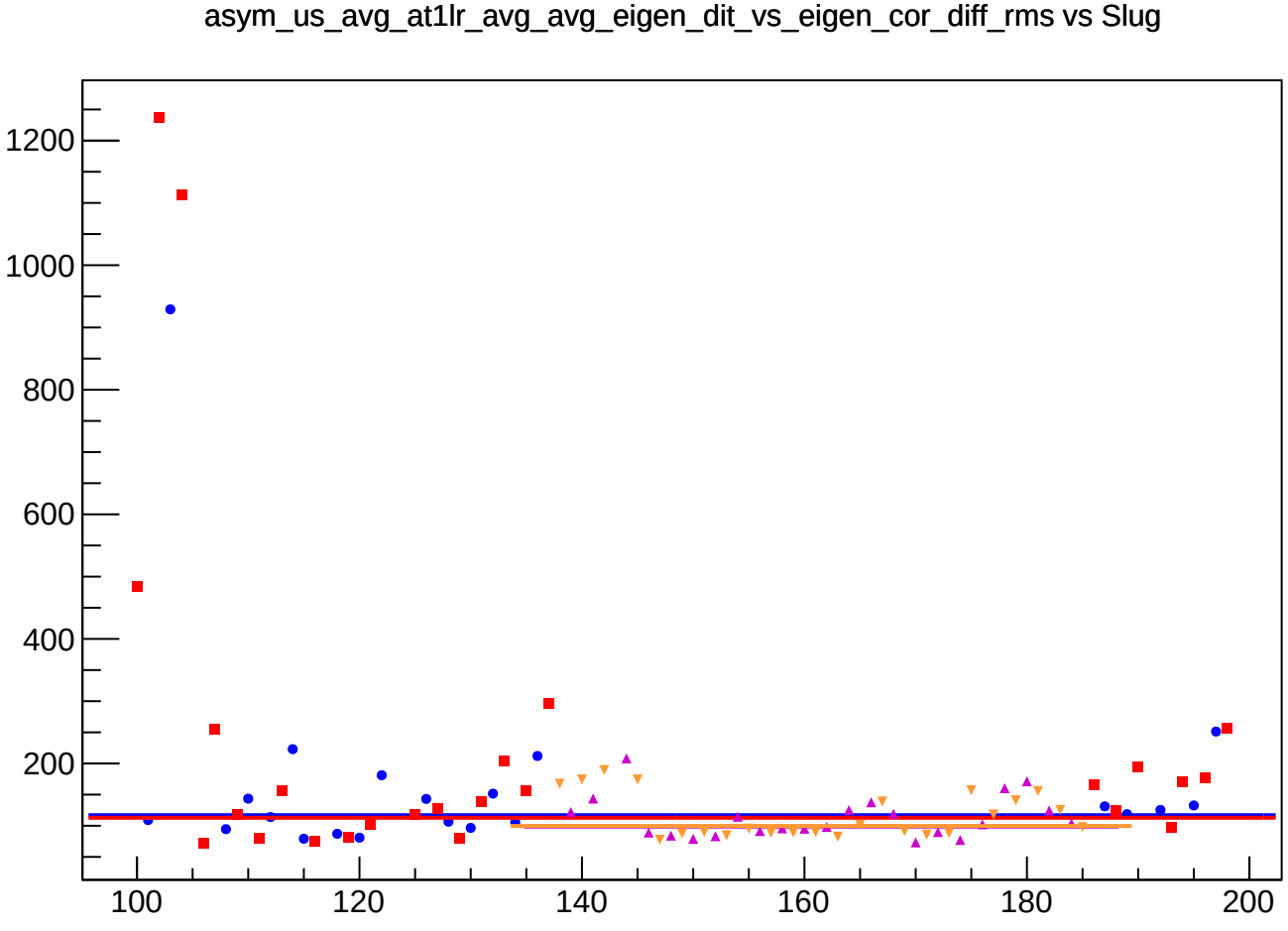
Right Out: 0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.002+/-0.022 χ^2/NDF: 49.0/44

All: 0.023+/-0.015 χ^2/NDF: 104.1/92

- sign 0.047+/-0.021 χ^2/NDF: 52.5/47



Right In: 116.930+/-0.030 χ^2/NDF: 2231800.0/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

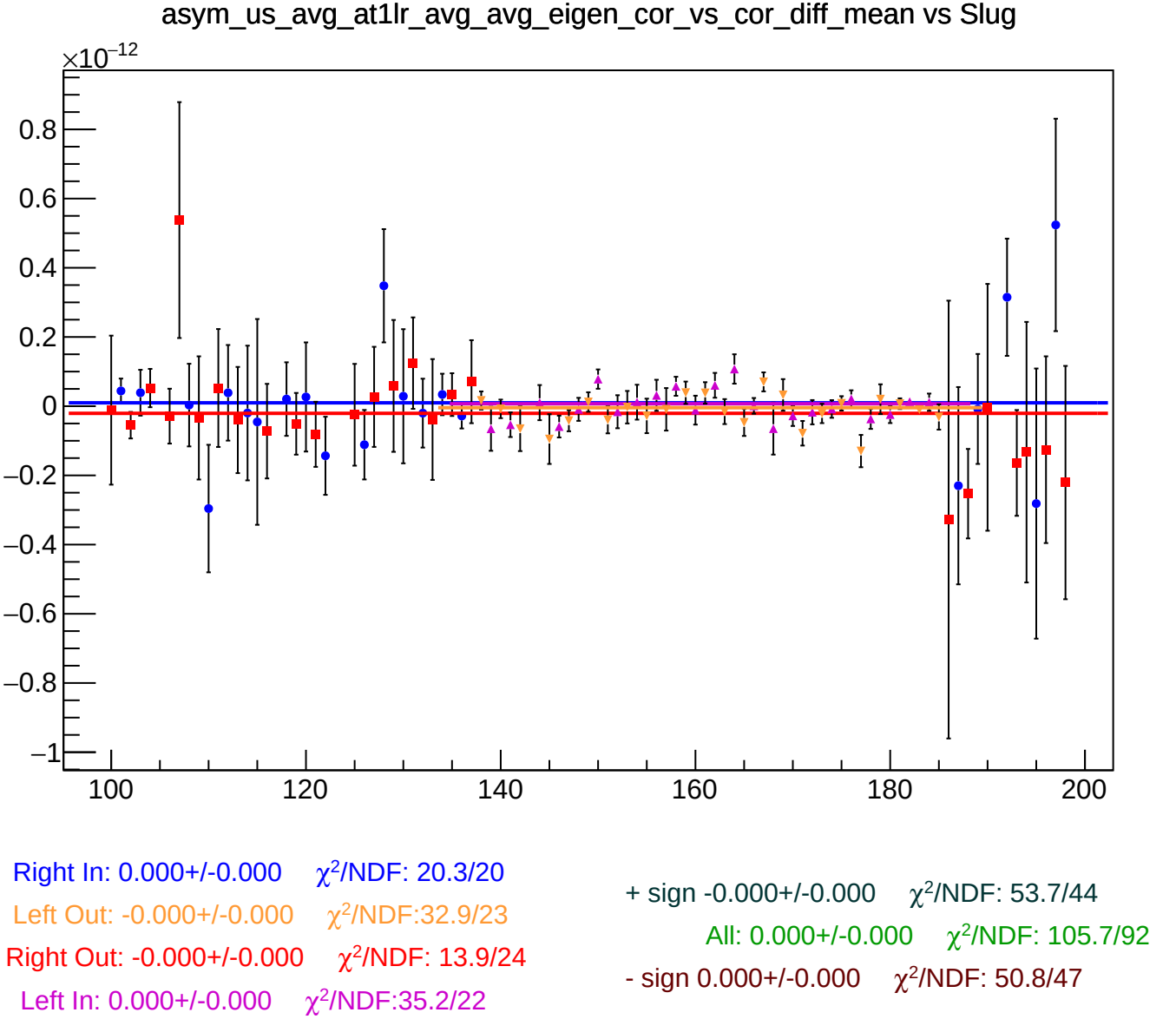
Right Out: 112.854+/-0.027 χ^2/NDF: 3856051.9/24

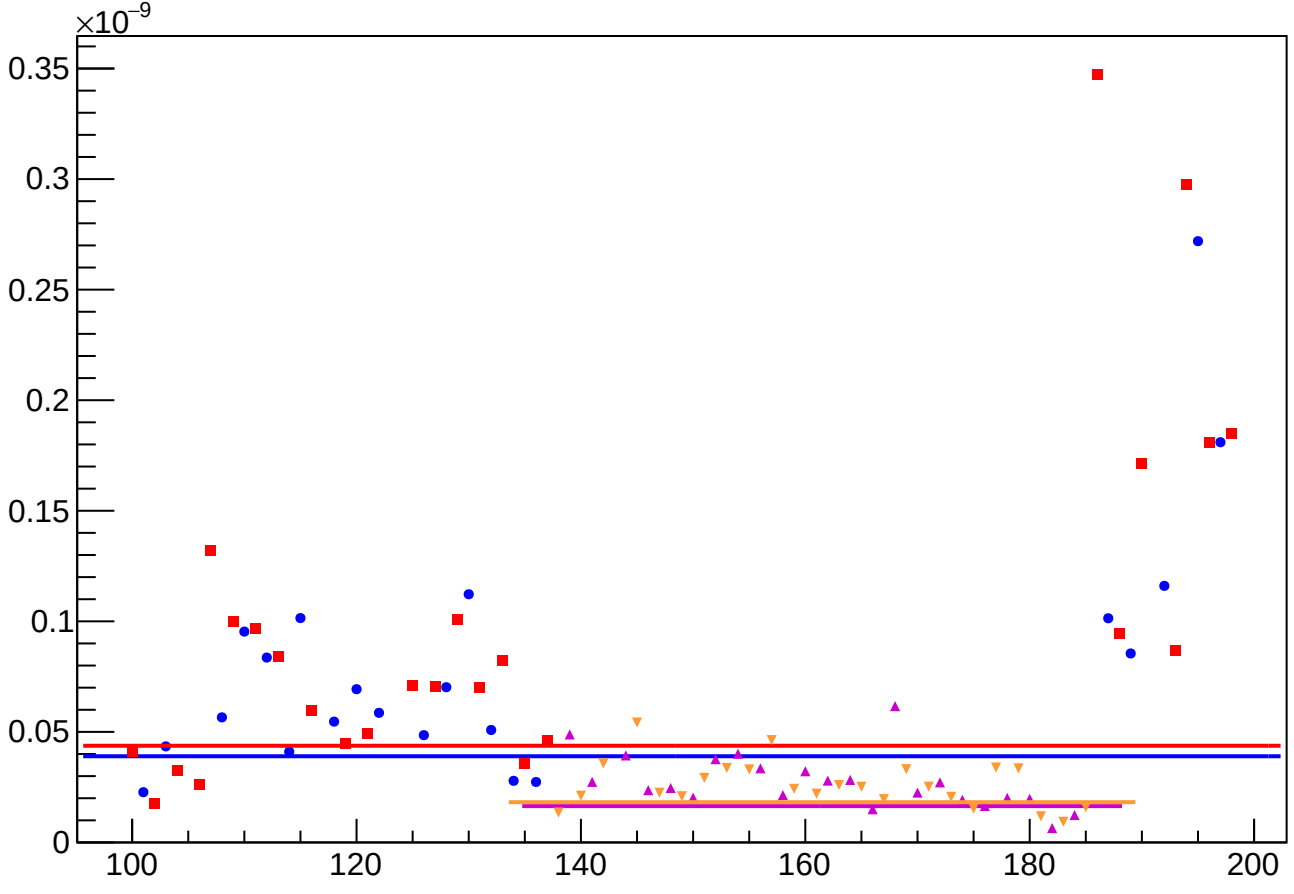
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 104.236+/-0.015 χ^2/NDF: 4554036.0/44

All: 103.526+/-0.011 χ^2/NDF: 10606723.9/92

- sign 102.856+/-0.015 χ^2/NDF: 6048514.9/47


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: 20.3/20
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 13.9/24
Left In: 0.000+/-0.000 χ²/NDF:35.2/22
+ sign -0.000+/-0.000 χ²/NDF: 53.7/44
All: 0.000+/-0.000 χ²/NDF: 105.7/92
- sign 0.000+/-0.000 χ²/NDF: 50.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 3631306.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5282332.5/24

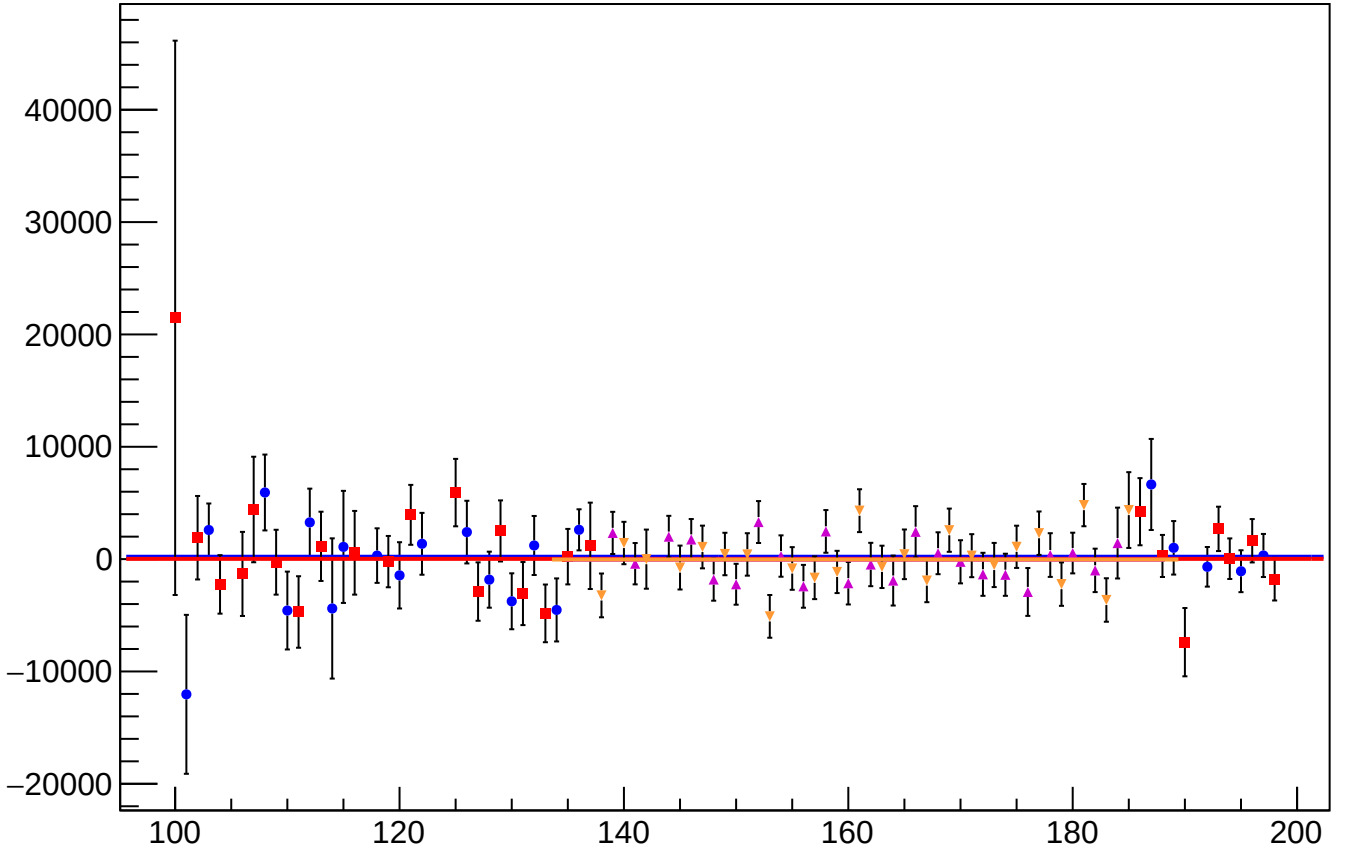
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10162727.6/44

All: 0.000+/-0.000 χ^2/NDF: 25760973.9/92

- sign 0.000+/-0.000 χ^2/NDF: 15479382.4/47

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 211.071+/-567.653 χ^2/NDF: 22.8/20

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 23.590+/-528.205 χ^2/NDF: 29.5/24

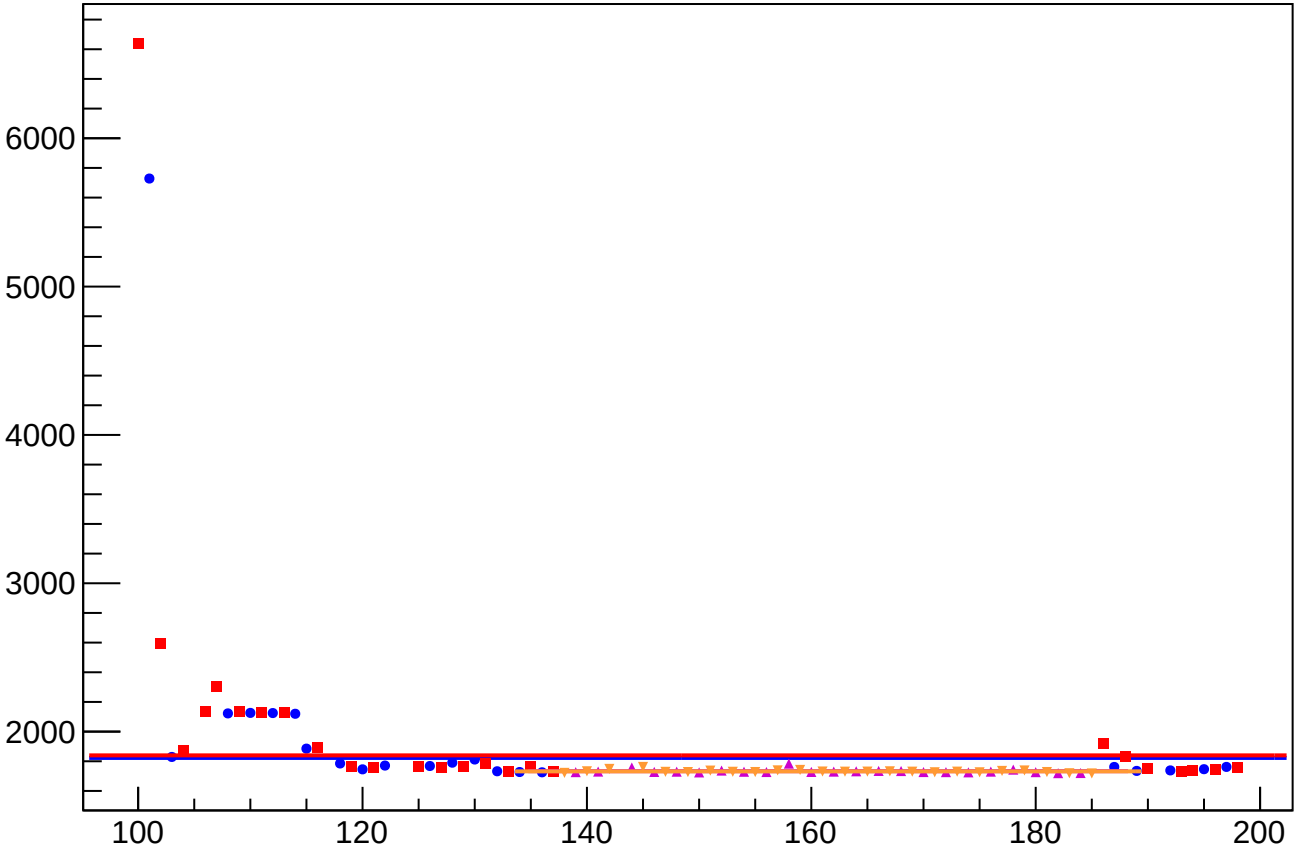
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 47.315+/-328.050 χ^2/NDF: 58.3/44

All: 10.635+/-229.524 χ^2/NDF: 107.3/92

- sign -24.541+/-321.249 χ^2/NDF: 48.9/47

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1822.601+/-0.401 χ^2/NDF: 692946.0/20

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

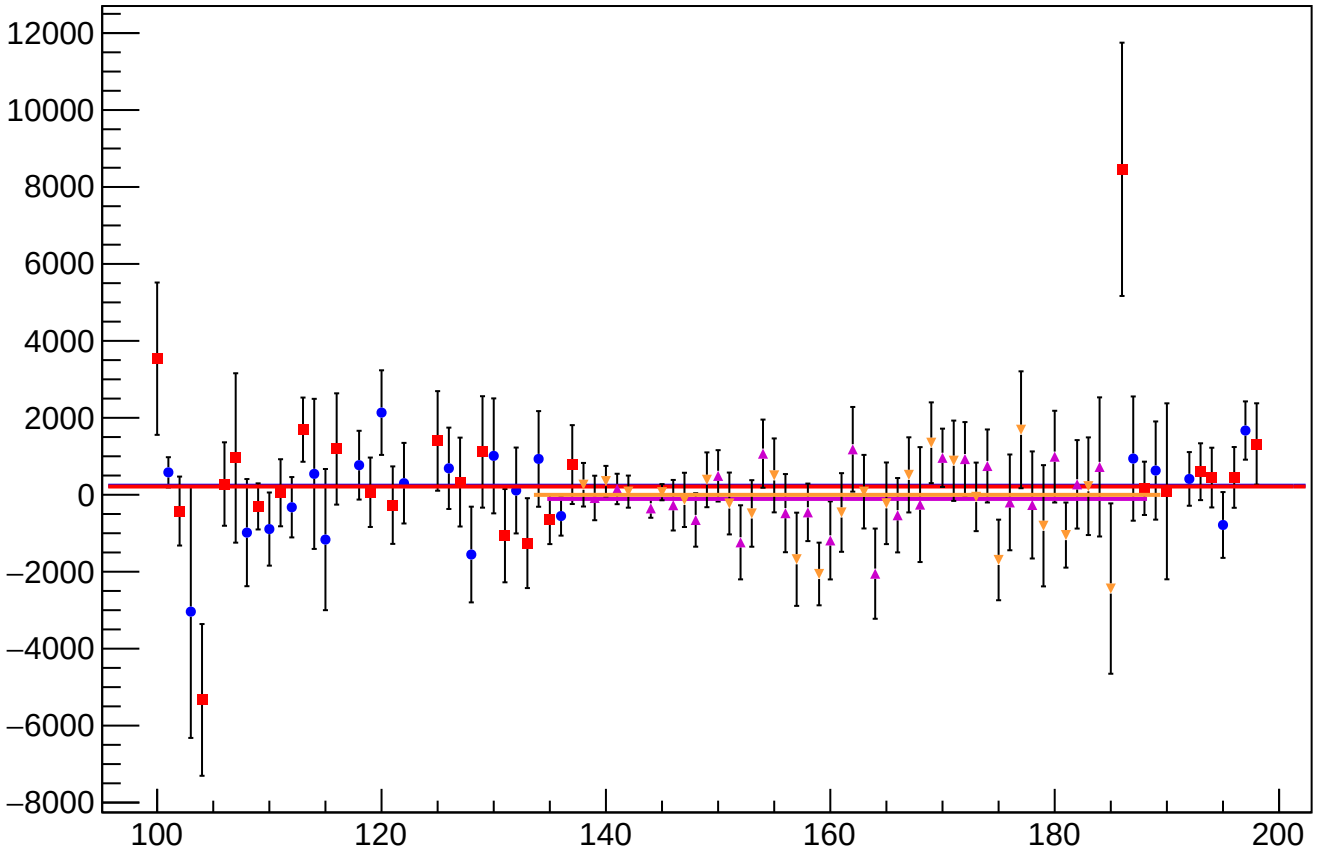
Right Out: 1839.798+/-0.373 χ^2/NDF: 287330.1/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.248+/-0.232 χ^2/NDF: 727826.9/44

All: 1767.585+/-0.162 χ^2/NDF: 1069639.5/92

- sign 1772.703+/-0.227 χ^2/NDF: 340775.7/47



Right In: 235.641+/-193.146 χ^2/NDF: 19.0/20

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

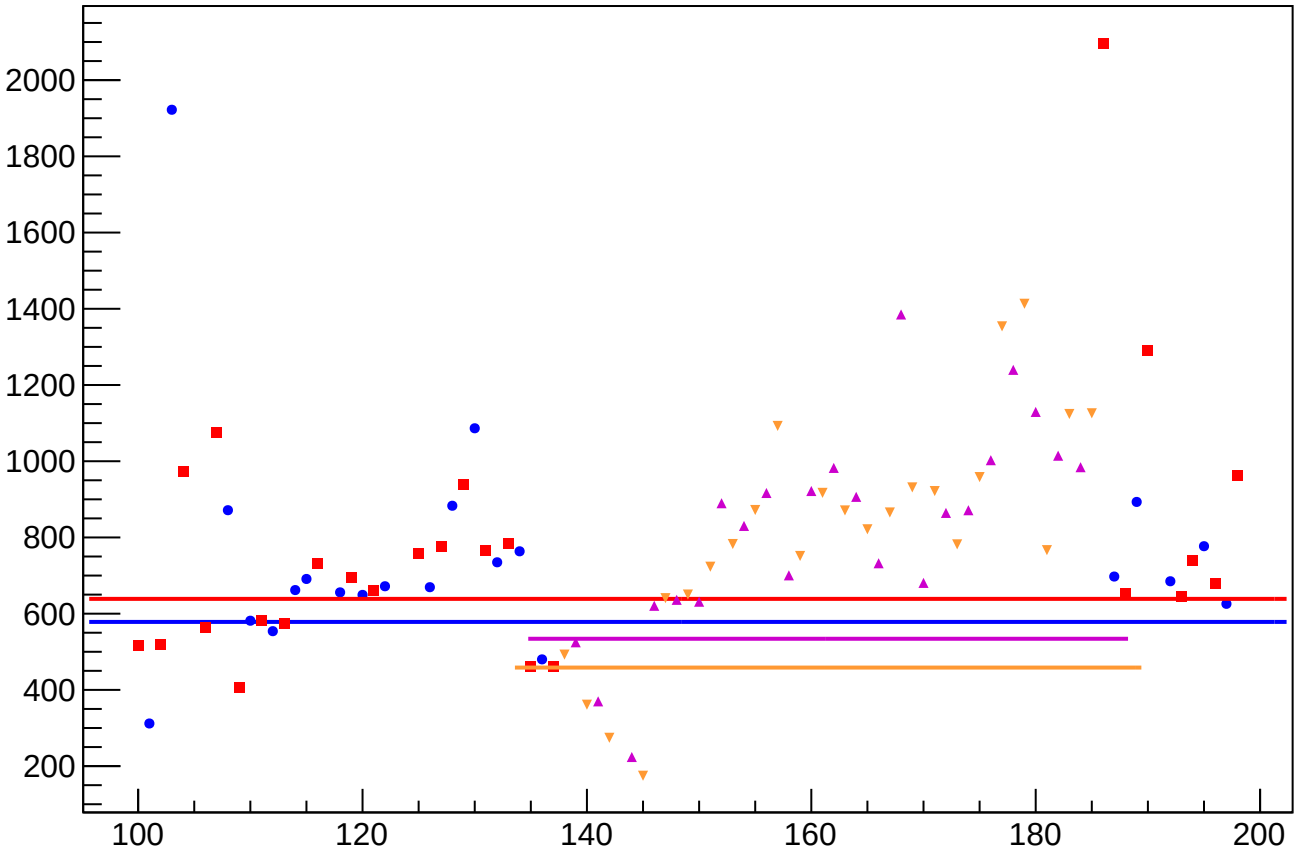
Right Out: 214.421+/-196.216 χ^2/NDF: 29.8/24

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 71.852+/-107.877 χ^2/NDF: 40.3/44

All: 40.266+/-78.911 χ^2/NDF: 89.0/92

- sign 3.913+/-115.732 χ^2/NDF: 48.5/47



Right In: 578.382+/-0.137 χ^2/NDF: 2213710.4/20

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 638.841+/-0.139 χ^2/NDF: 1702227.7/24

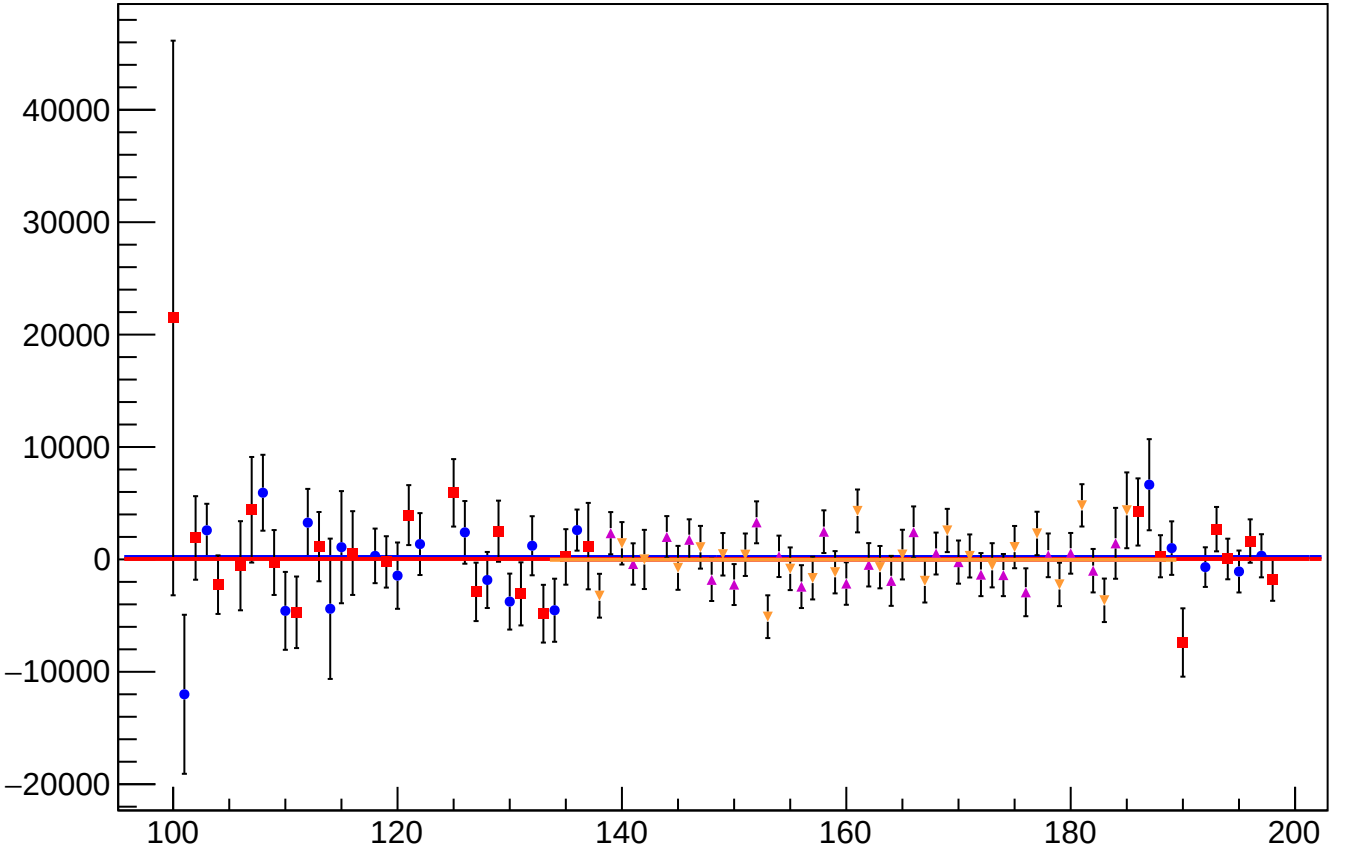
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 495.951+/-0.076 χ^2/NDF: 14169880.4/44

All: 530.646+/-0.056 χ^2/NDF: 25131571.2/92

- sign 570.577+/-0.082 χ^2/NDF: 10516722.7/47

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 211.132+/-567.653 χ^2/NDF: 22.8/20

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 40.049+/-528.779 χ^2/NDF: 29.4/24

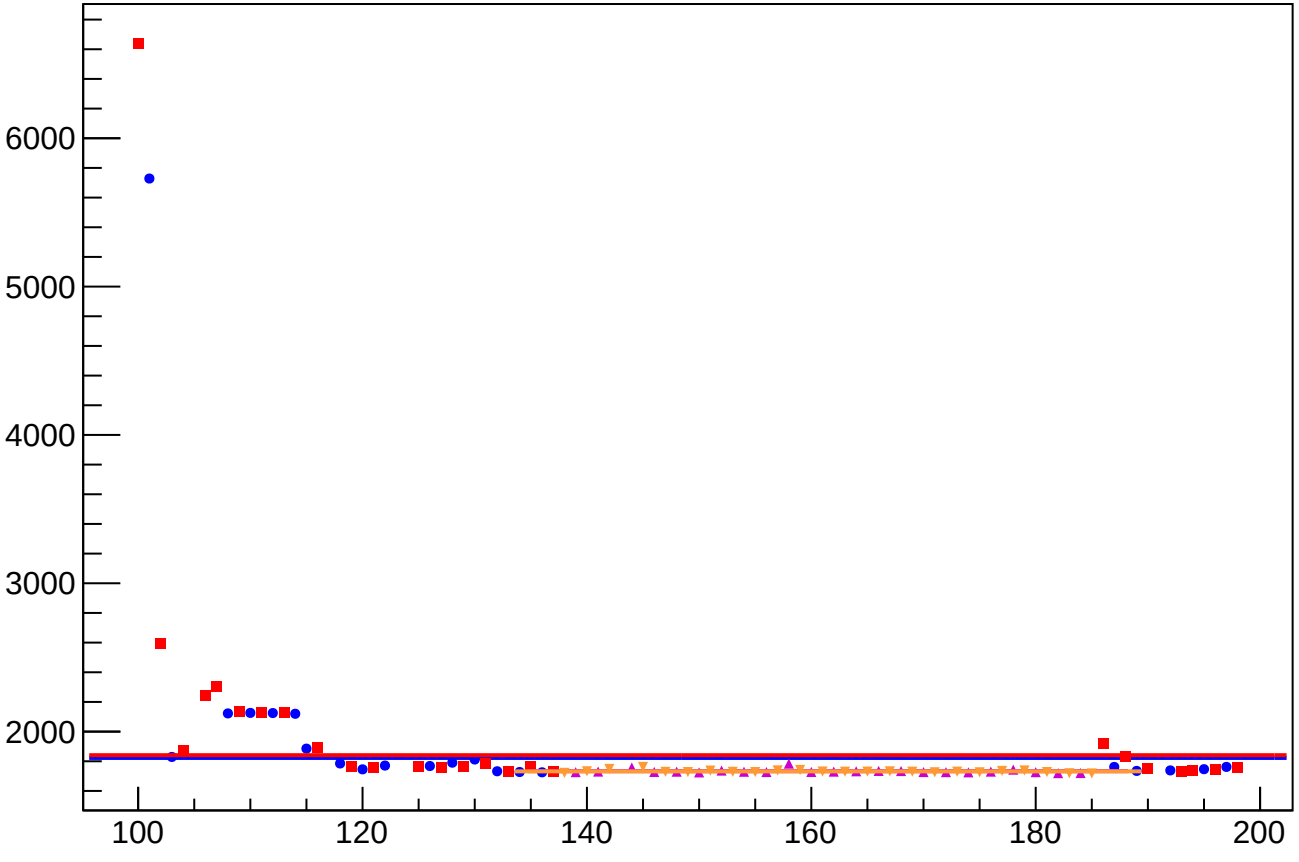
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 47.373+/-328.050 χ^2/NDF: 58.3/44

All: 13.787+/-229.571 χ^2/NDF: 107.1/92

- sign -18.448+/-321.378 χ^2/NDF: 48.8/47

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1822.600+/-0.401 χ^2/NDF: 692945.9/20

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

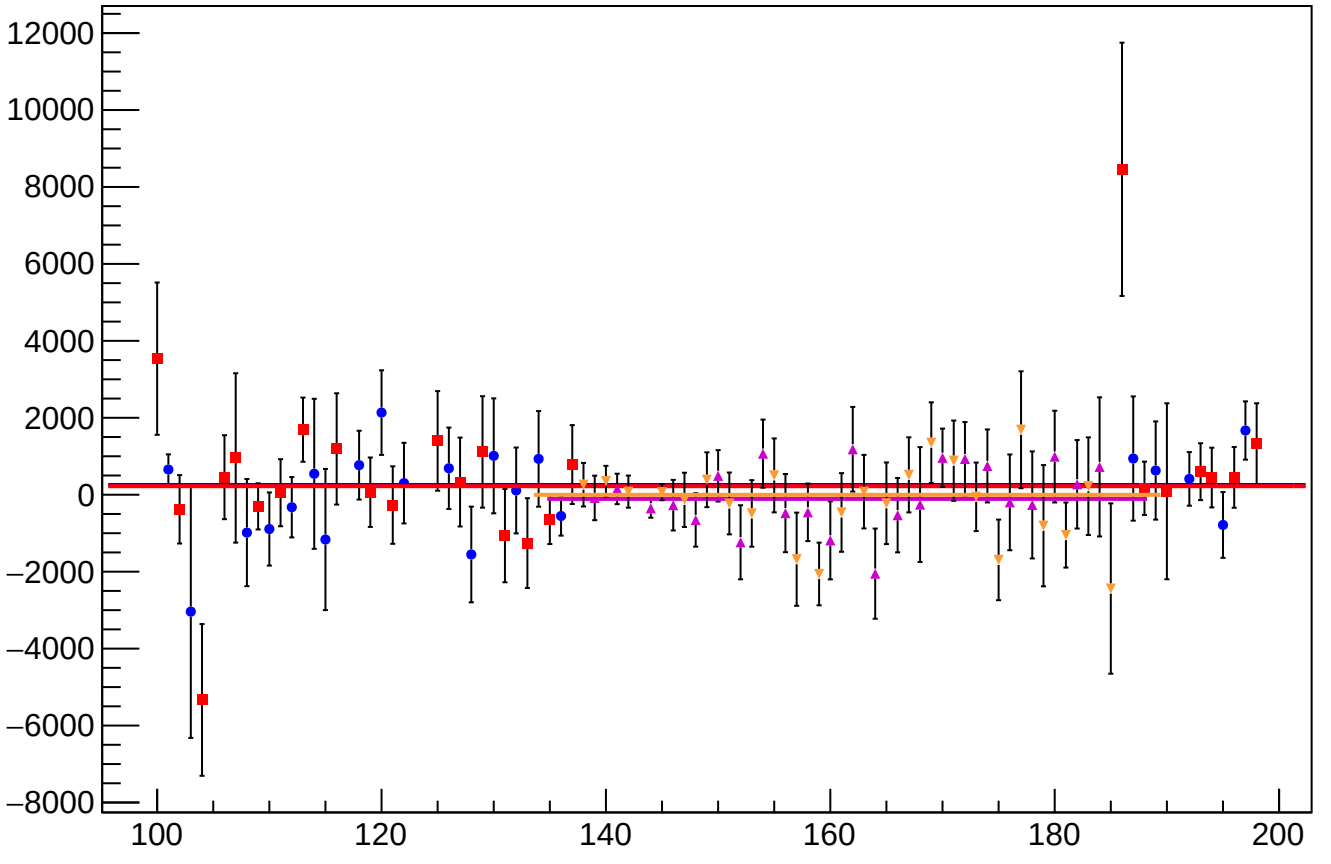
Right Out: 1841.023+/-0.374 χ^2/NDF: 295290.6/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.248+/-0.232 χ^2/NDF: 727826.7/44

All: 1767.786+/-0.162 χ^2/NDF: 1078792.9/92

- sign 1773.101+/-0.227 χ^2/NDF: 349849.2/47



Right In: 253.549+/-193.095 χ^2/NDF: 19.4/20

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: 221.804+/-196.185 χ^2/NDF: 29.7/24

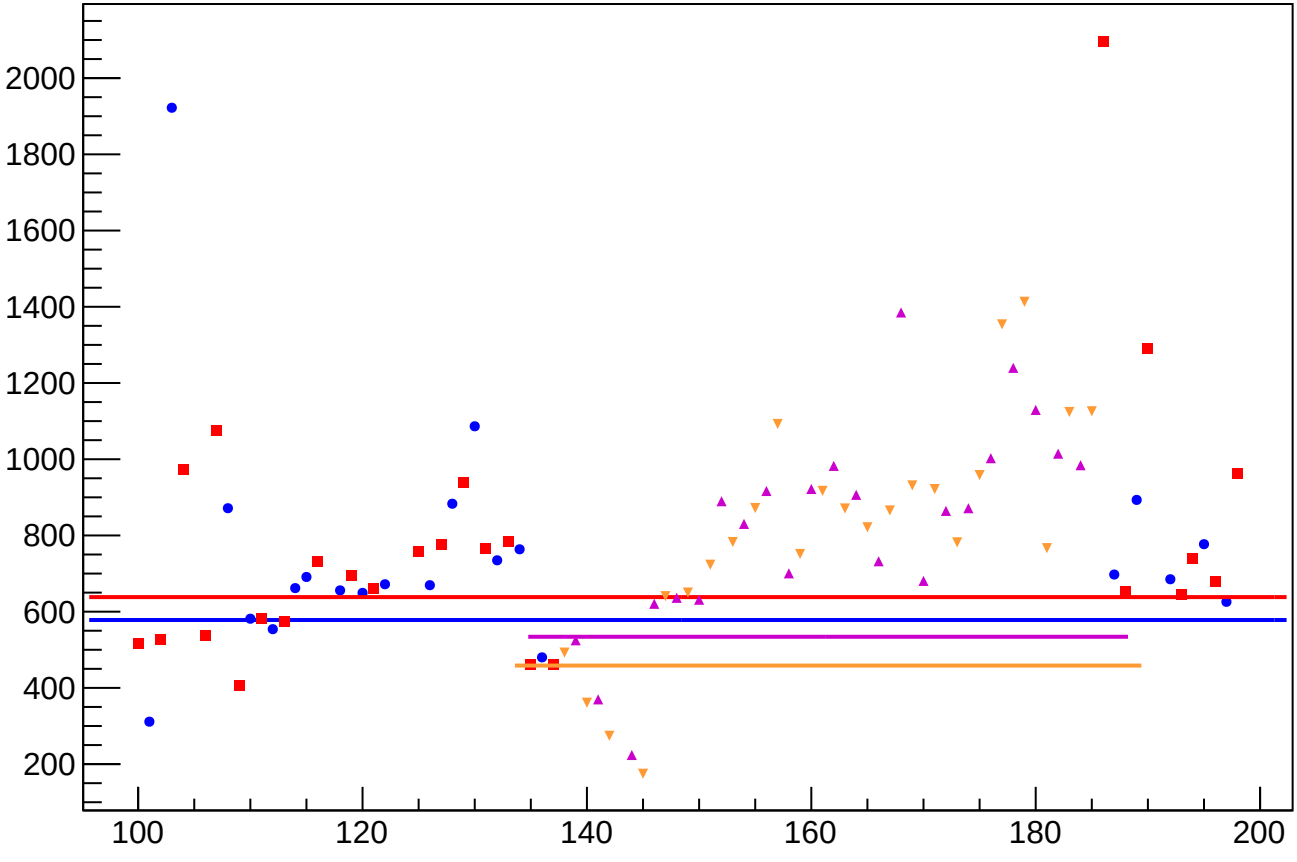
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 77.385+/-107.869 χ^2/NDF: 40.9/44

All: 44.441+/-78.906 χ^2/NDF: 89.6/92

- sign 6.525+/-115.726 χ^2/NDF: 48.6/47

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 578.122+/-0.137 χ^2/NDF: 2219153.6/20

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

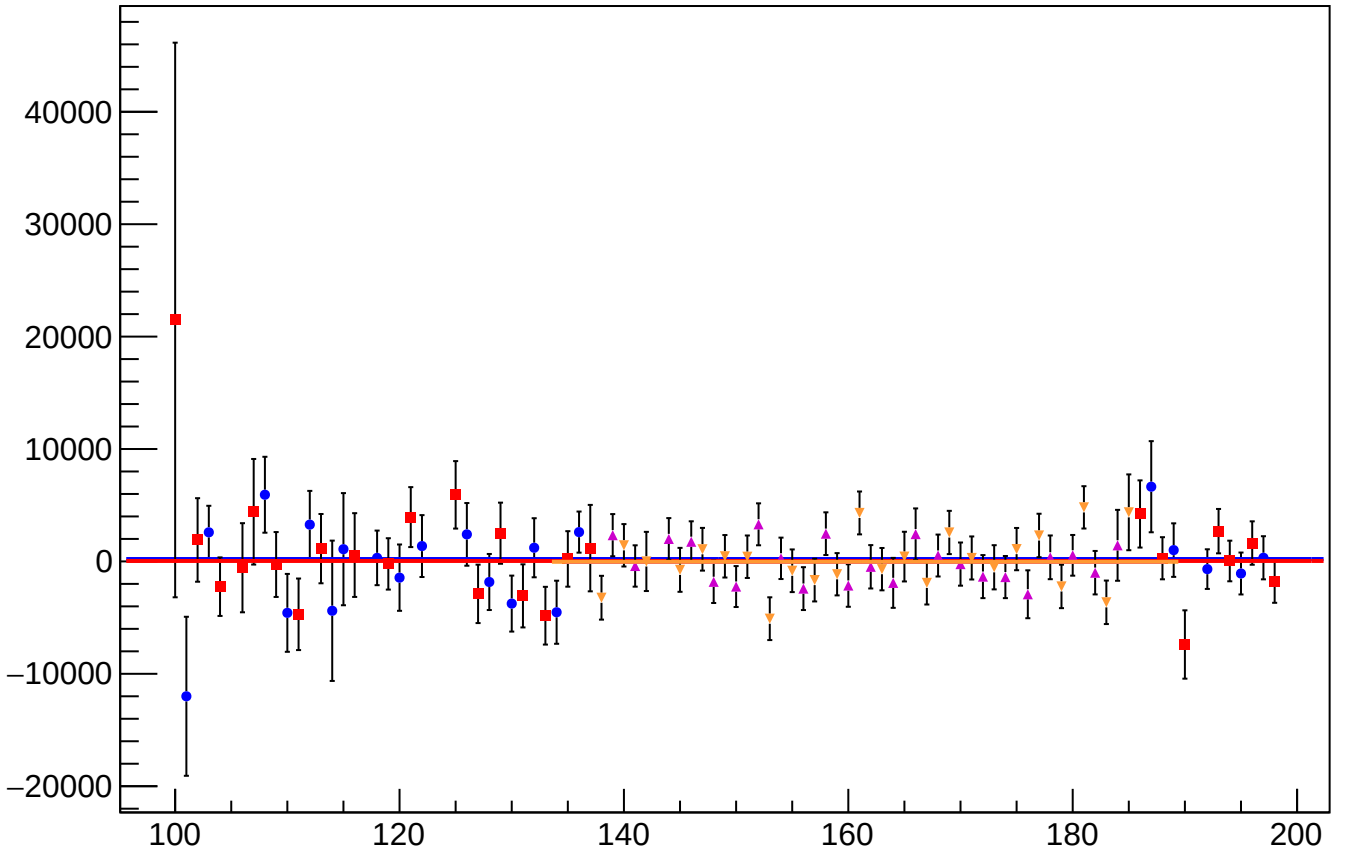
Right Out: 638.243+/-0.139 χ^2/NDF: 1706536.7/24

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 495.891+/-0.076 χ^2/NDF: 14172706.3/44

All: 530.522+/-0.056 χ^2/NDF: 25132456.7/92

- sign 570.382+/-0.082 χ^2/NDF: 10516341.8/47



Right In: 211.132+/-567.653 χ^2/NDF: 22.8/20

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

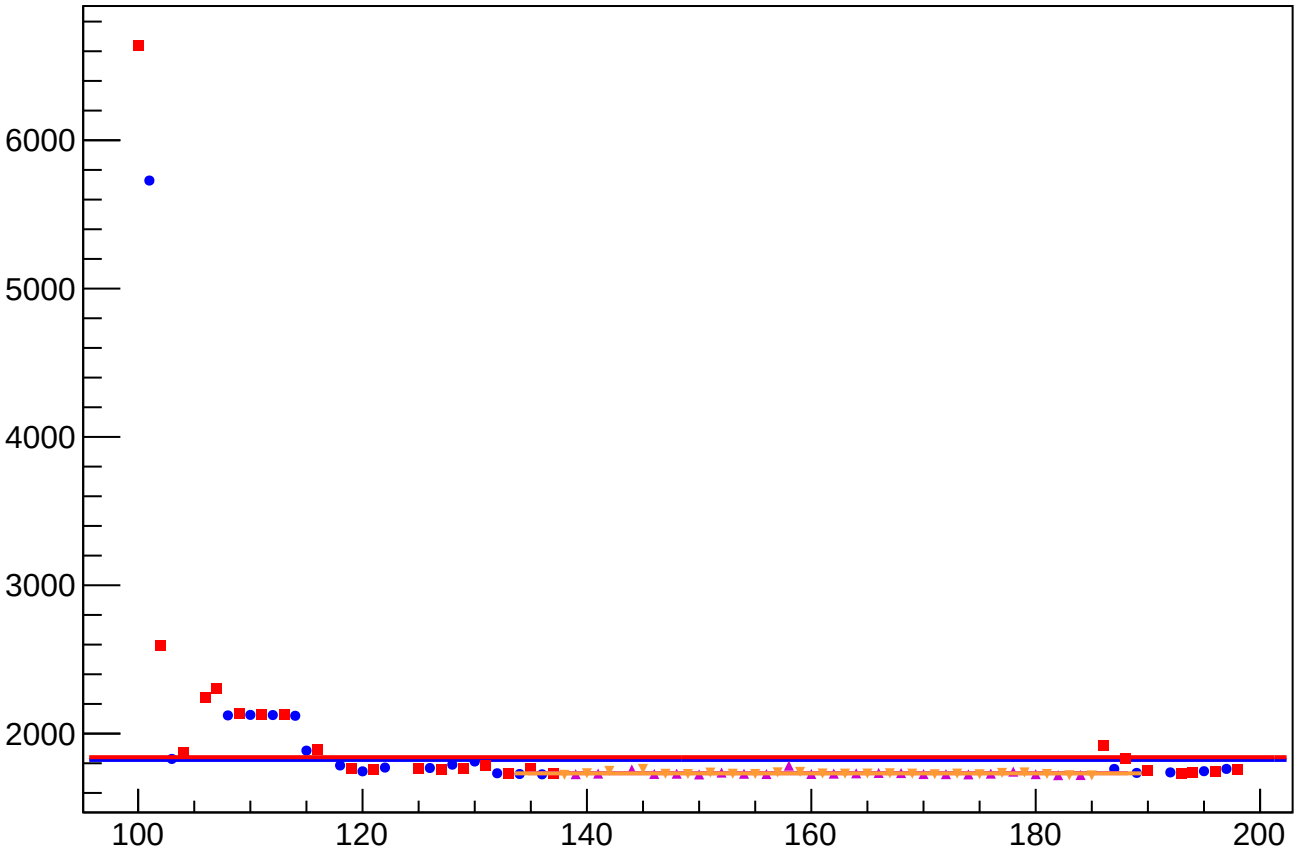
Right Out: 40.049+/-528.779 χ^2/NDF: 29.4/24

Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 47.373+/-328.050 χ^2/NDF: 58.3/44

All: 13.787+/-229.571 χ^2/NDF: 107.1/92

- sign -18.448+/-321.378 χ^2/NDF: 48.8/47



Right In: 1822.600+/-0.401 χ^2/NDF: 692945.9/20

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

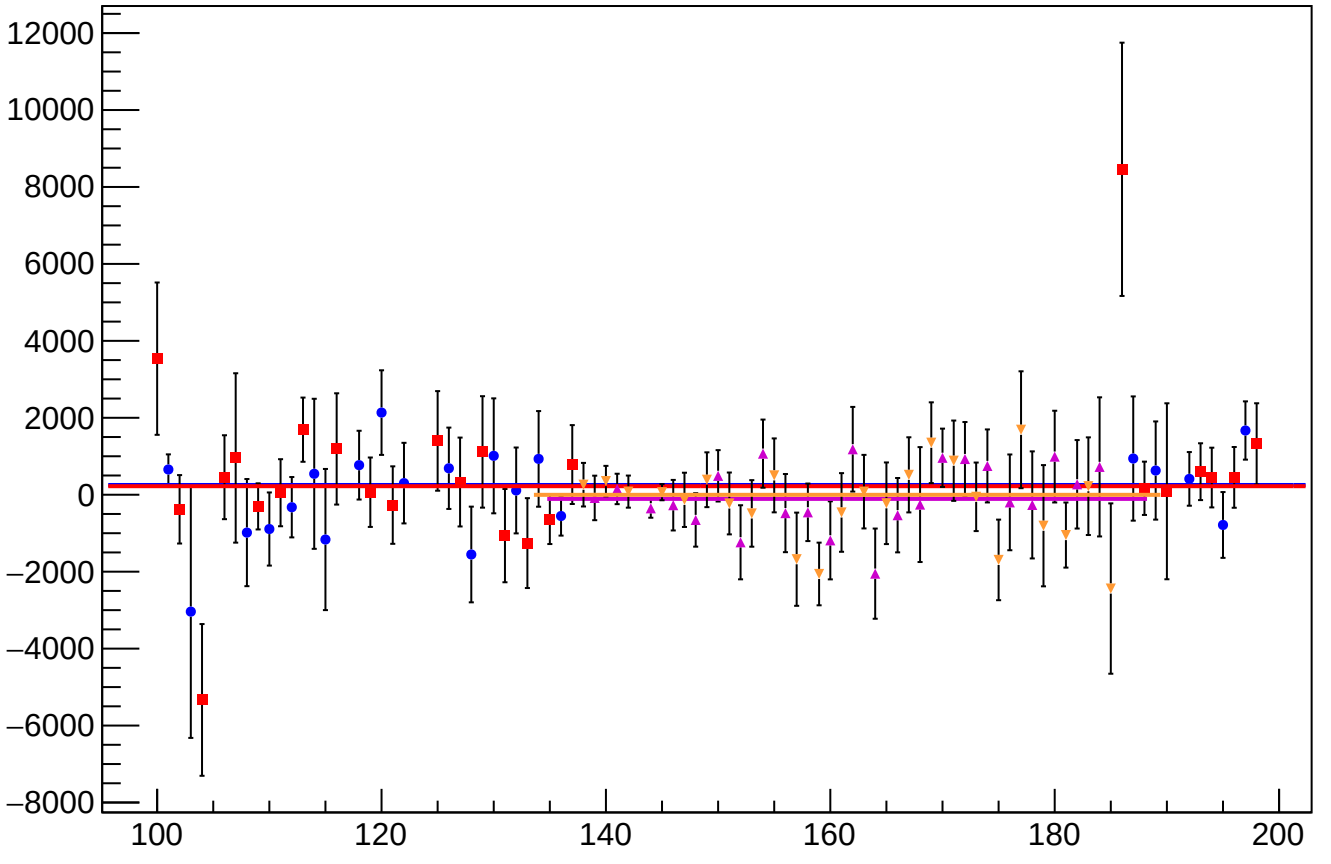
Right Out: 1841.023+/-0.374 χ^2/NDF: 295290.6/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.248+/-0.232 χ^2/NDF: 727826.7/44

All: 1767.786+/-0.162 χ^2/NDF: 1078792.9/92

- sign 1773.101+/-0.227 χ^2/NDF: 349849.2/47



Right In: 253.549+/-193.095 χ^2/NDF: 19.4/20

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

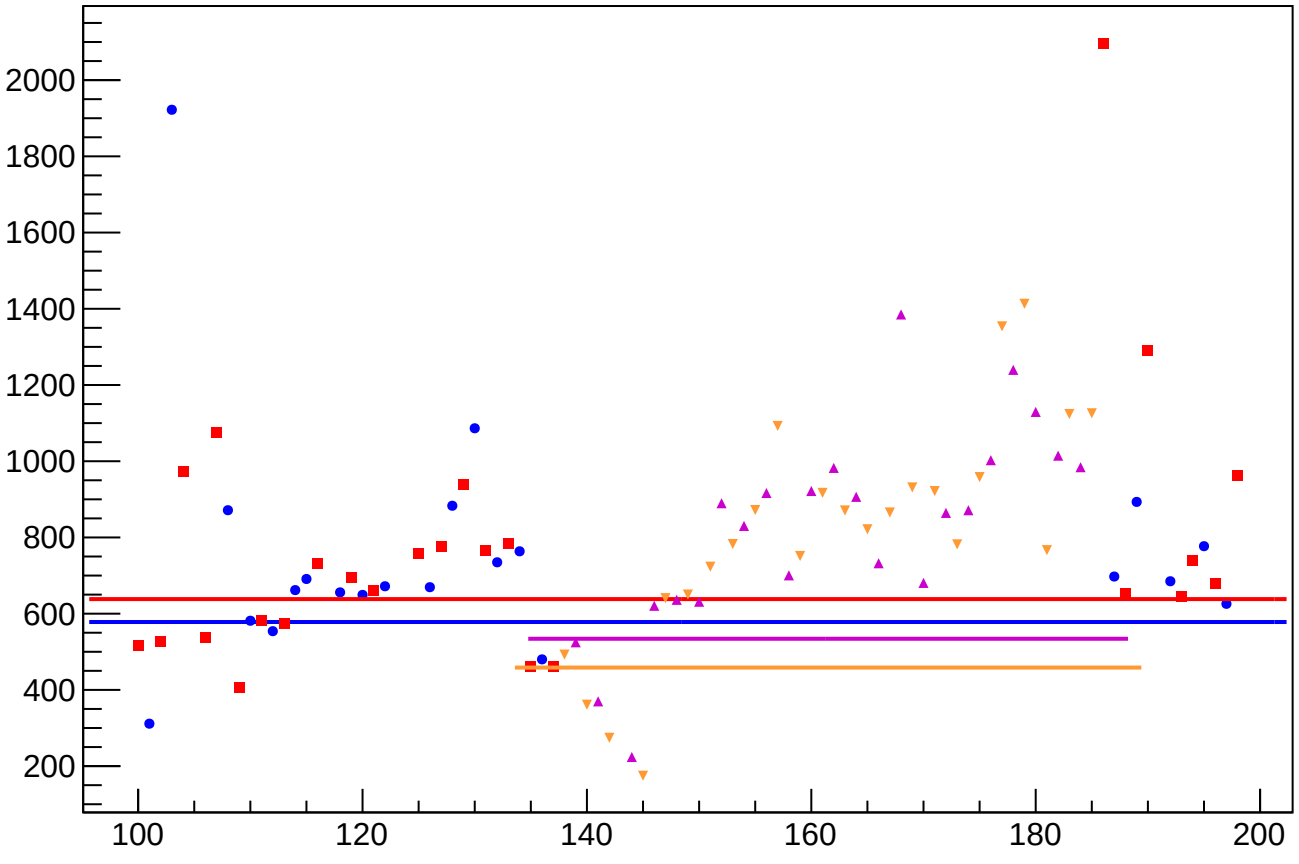
Right Out: 221.804+/-196.185 χ^2/NDF: 29.7/24

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 77.385+/-107.869 χ^2/NDF: 40.9/44

All: 44.441+/-78.906 χ^2/NDF: 89.6/92

- sign 6.525+/-115.726 χ^2/NDF: 48.6/47



Right In: 578.122+/-0.137 χ^2/NDF: 2219153.6/20

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 638.243+/-0.139 χ^2/NDF: 1706536.7/24

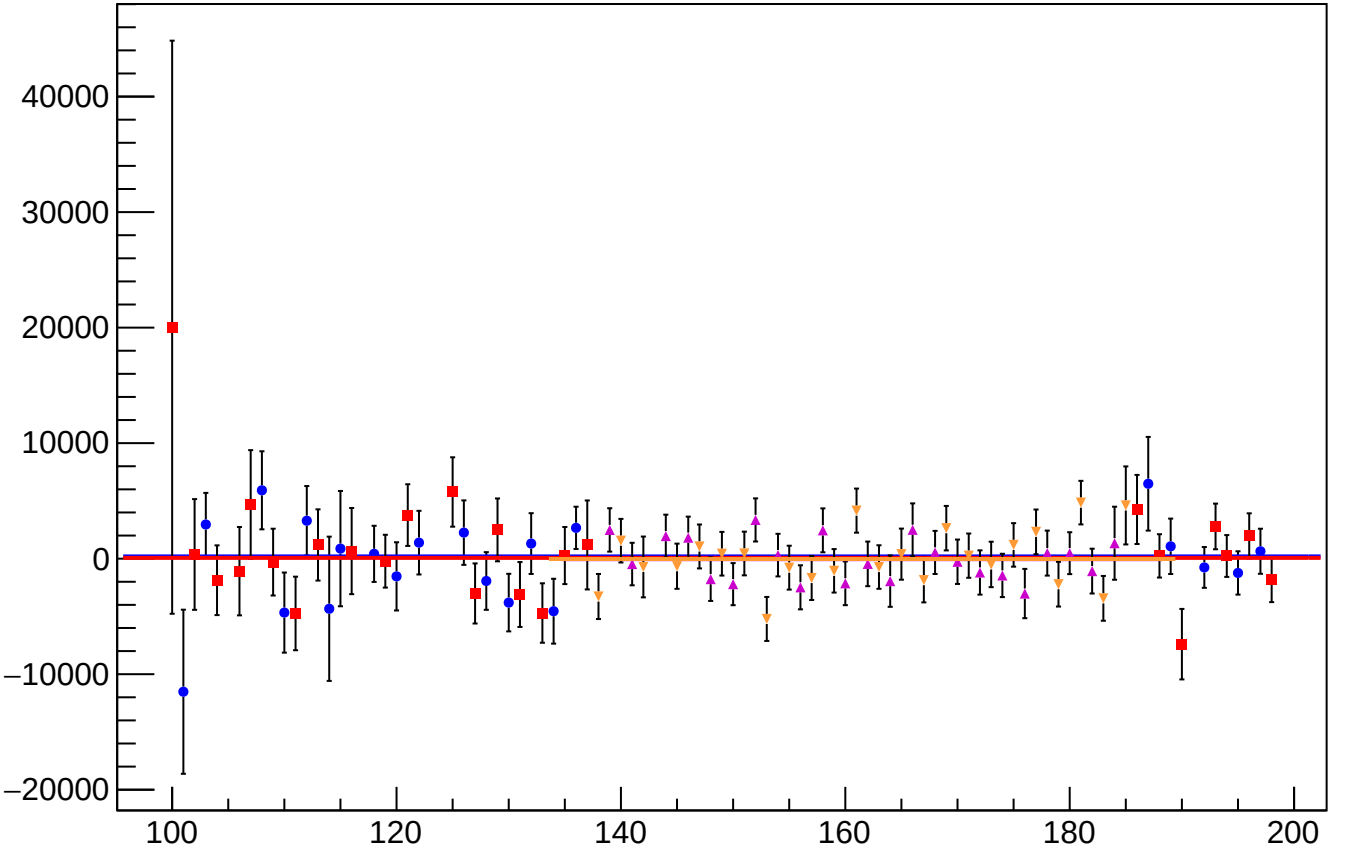
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 495.891+/-0.076 χ^2/NDF: 14172706.3/44

All: 530.522+/-0.056 χ^2/NDF: 25132456.7/92

- sign 570.382+/-0.082 χ^2/NDF: 10516341.8/47

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 194.790+/-573.618 χ^2/NDF: 22.9/20

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 68.429+/-534.763 χ^2/NDF: 28.9/24

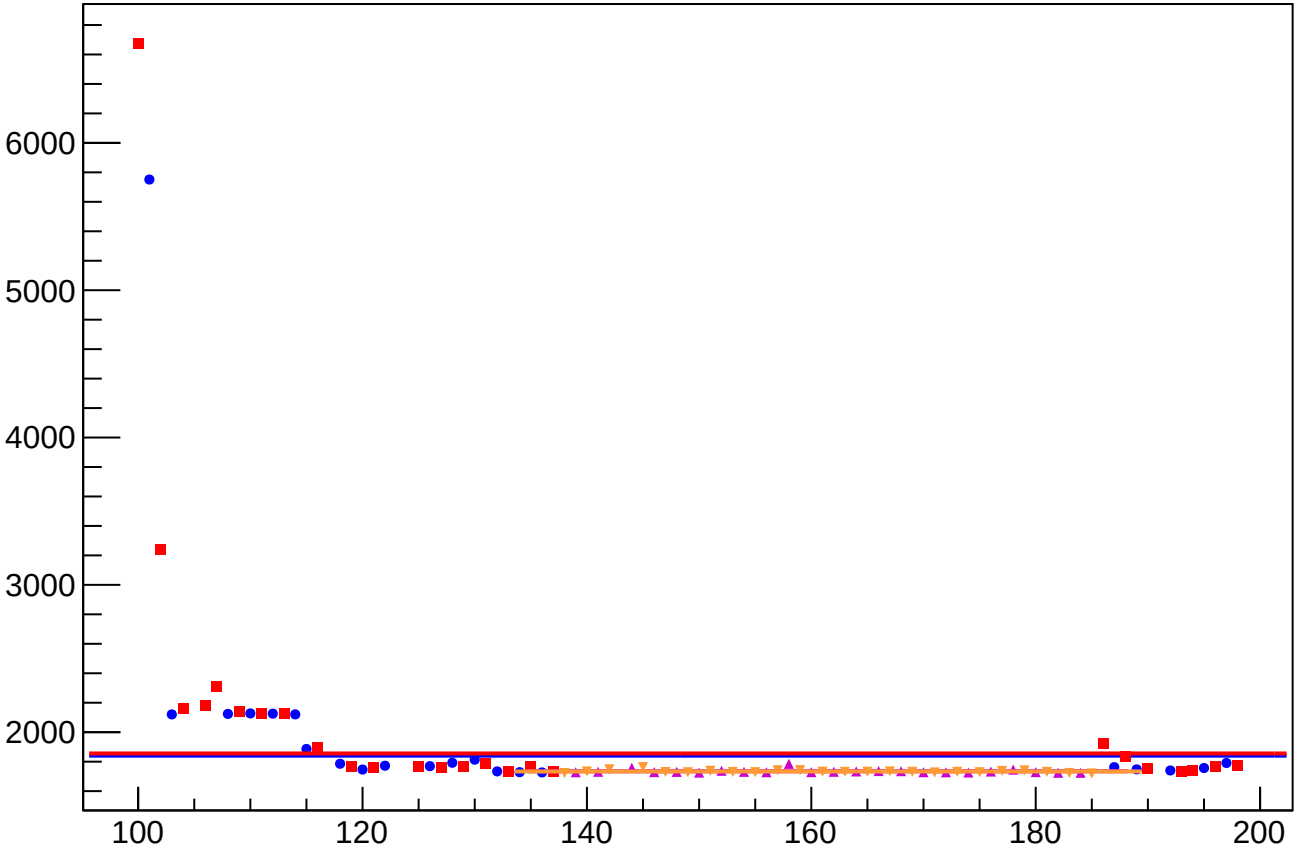
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 44.528+/-329.379 χ^2/NDF: 58.4/44

All: 20.782+/-230.576 χ^2/NDF: 107.3/92

- sign -2.037+/-322.884 χ^2/NDF: 48.8/47

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1840.777+/-0.406 χ^2/NDF: 713383.1/20

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

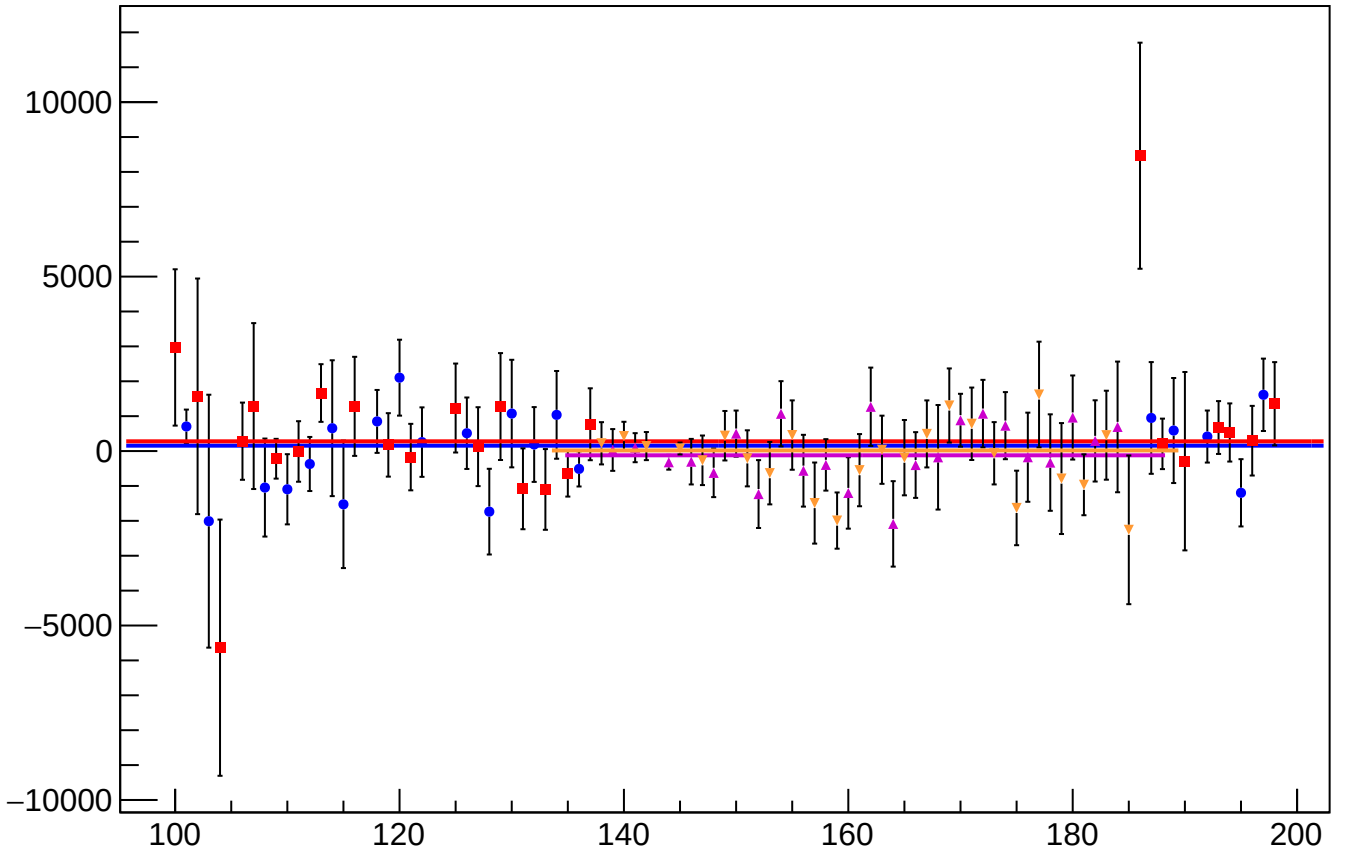
Right Out: 1855.649+/-0.378 χ^2/NDF: 394974.9/24

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.857+/-0.233 χ^2/NDF: 761190.6/44

All: 1773.960+/-0.163 χ^2/NDF: 1224175.2/92

- sign 1778.863+/-0.228 χ^2/NDF: 462043.4/47



Right In: 154.867+/-207.344 χ^2/NDF: 18.6/20

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

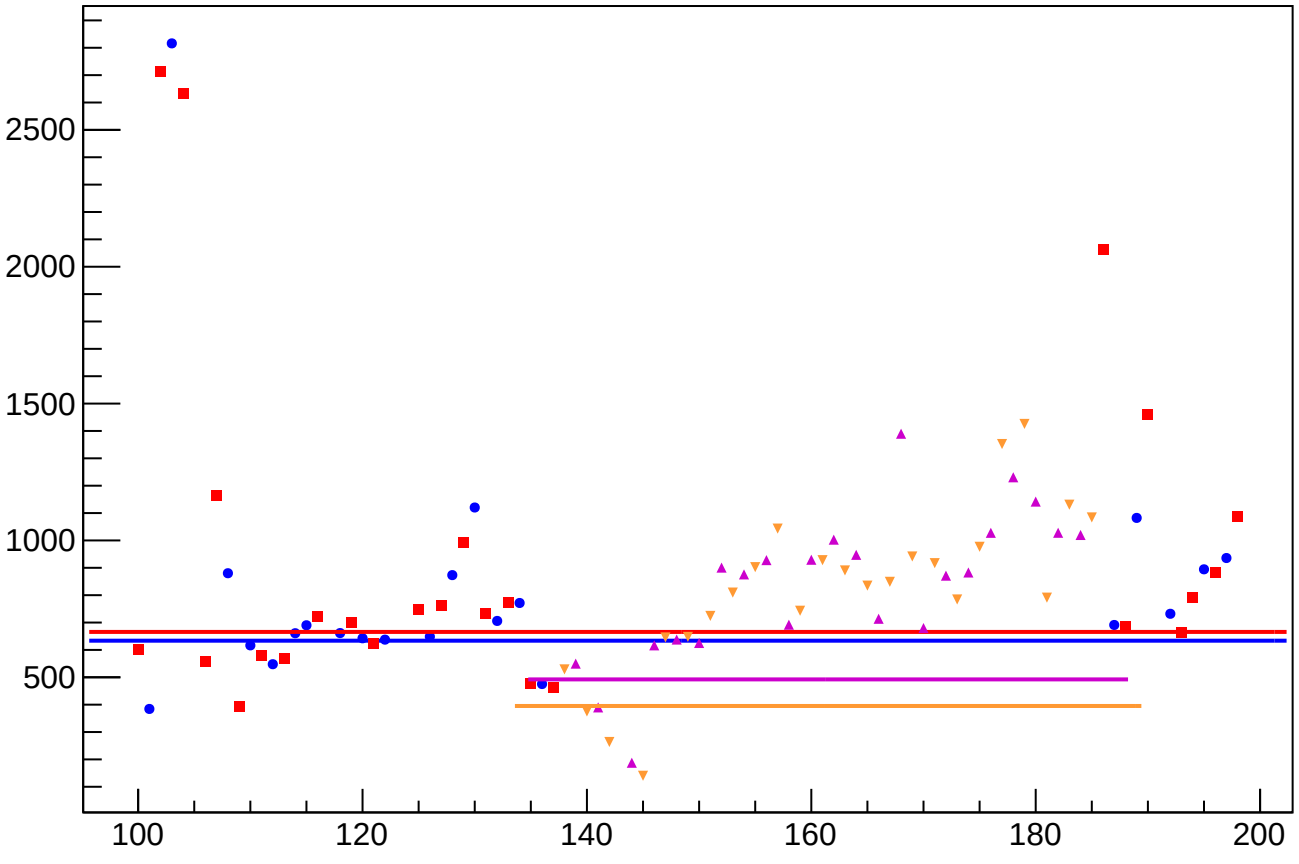
Right Out: 279.290+/-205.933 χ^2/NDF: 22.3/24

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 52.076+/-103.427 χ^2/NDF: 38.3/44

All: 29.277+/-76.645 χ^2/NDF: 79.9/92

- sign 1.505+/-114.151 χ^2/NDF: 41.4/47



Right In: 633.727+/-0.147 χ^2/NDF: 2383759.8/20

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 665.752+/-0.146 χ^2/NDF: 3271475.4/24

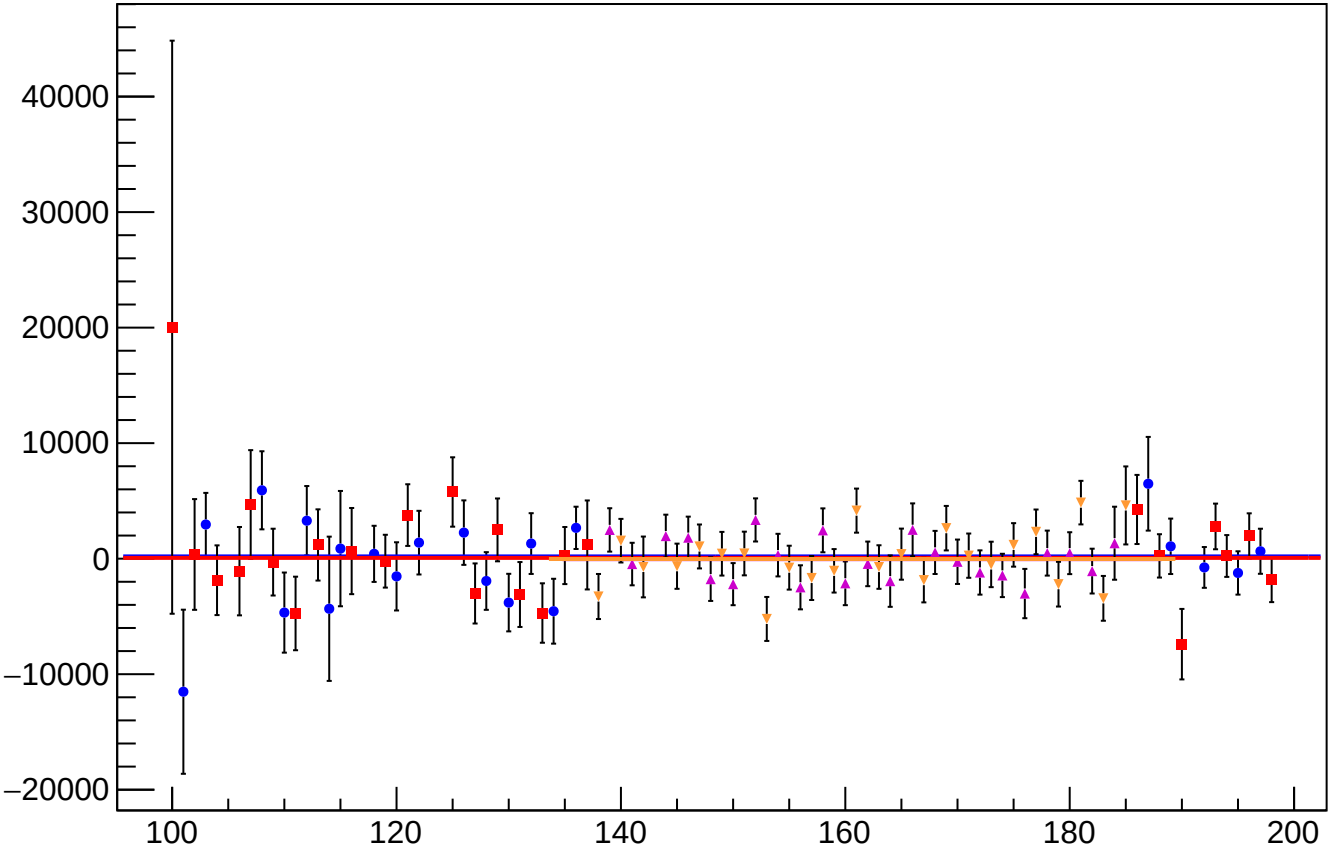
Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 454.541+/-0.073 χ^2/NDF: 18706601.1/44

All: 495.589+/-0.054 χ^2/NDF: 34079309.3/92

- sign 545.591+/-0.081 χ^2/NDF: 14673932.7/47

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 194.788+/-573.618 χ^2/NDF: 22.9/20

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 68.428+/-534.763 χ^2/NDF: 28.9/24

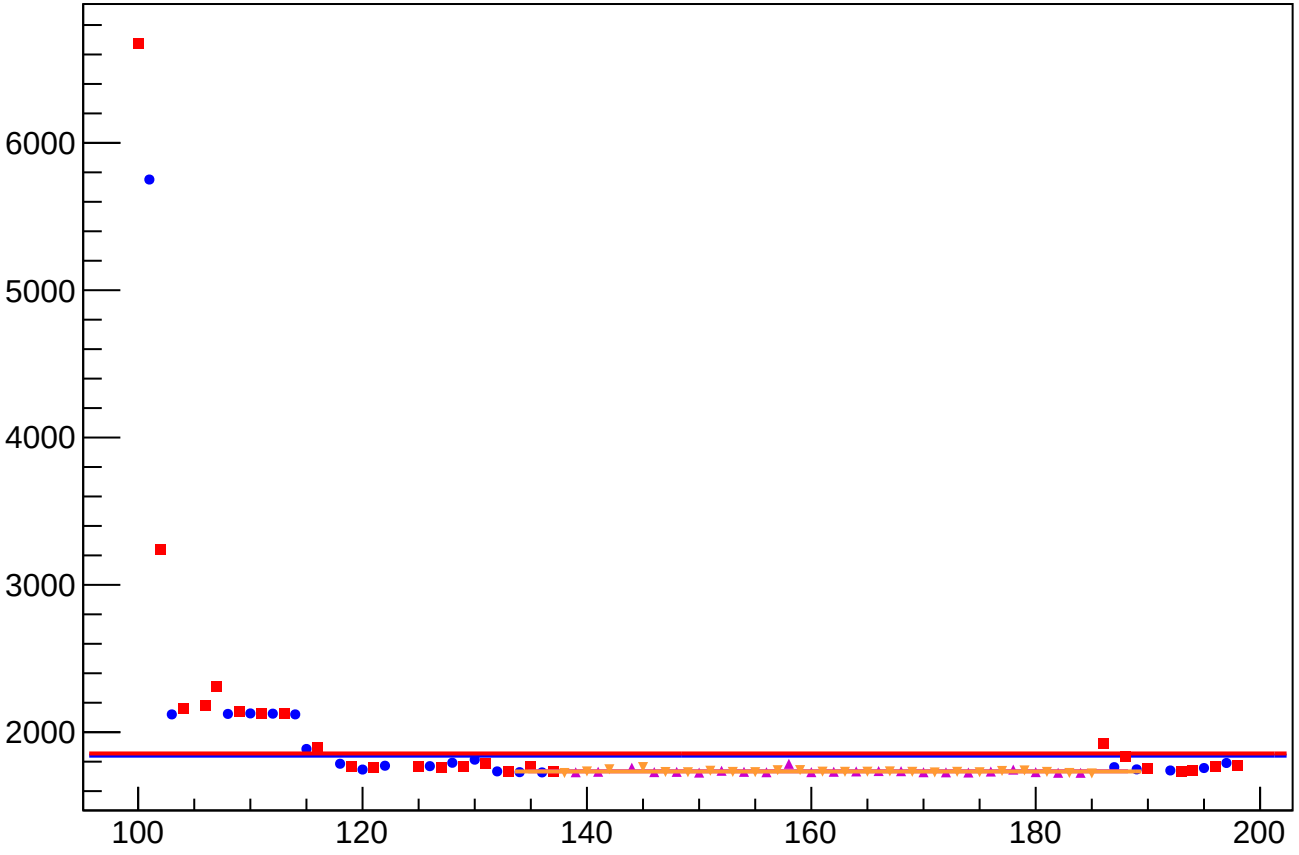
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 44.525+/-329.379 χ^2/NDF: 58.4/44

All: 20.780+/-230.576 χ^2/NDF: 107.3/92

- sign -2.038+/-322.884 χ^2/NDF: 48.8/47

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1840.777+/-0.406 χ^2/NDF: 713382.8/20

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

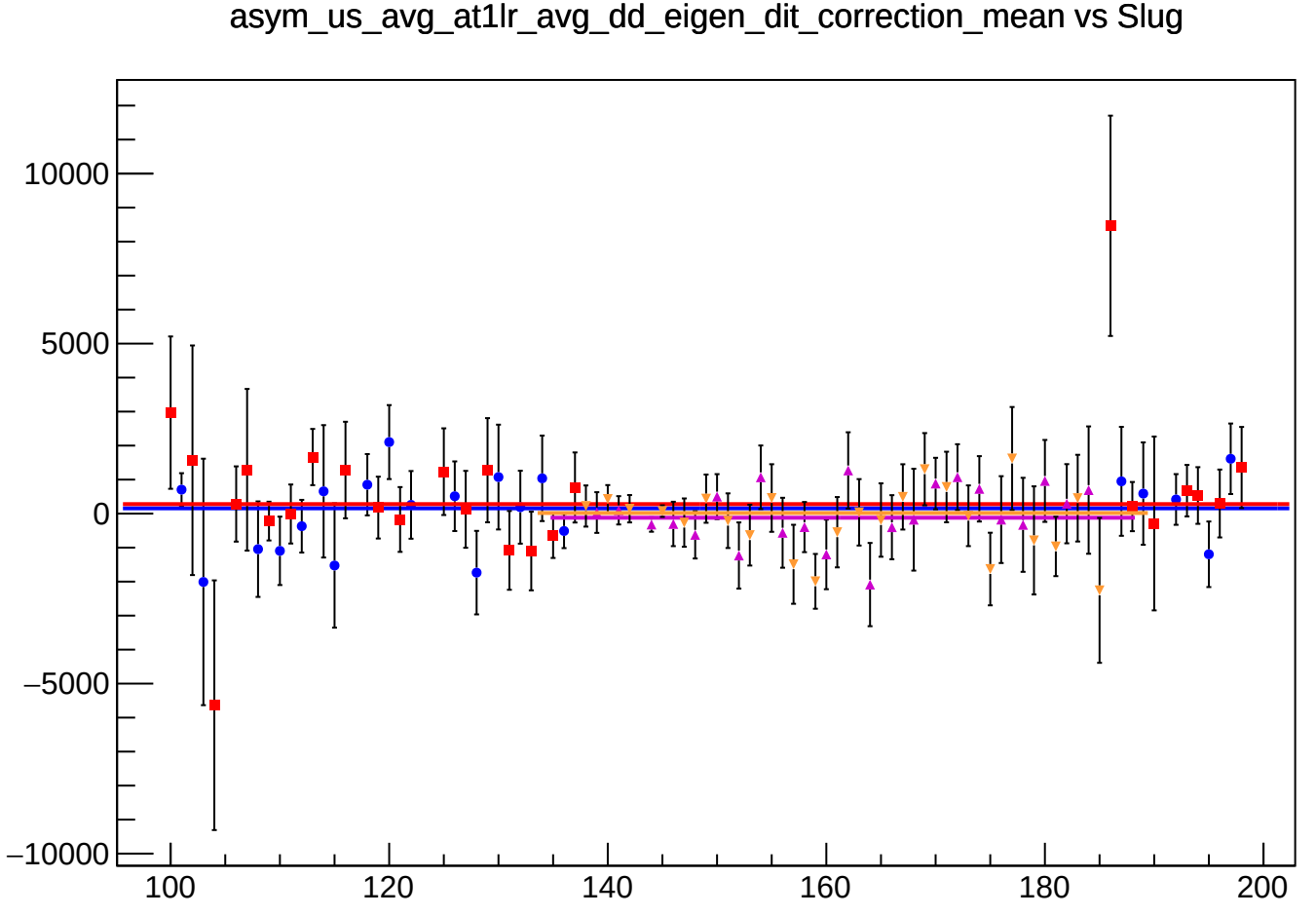
Right Out: 1855.649+/-0.378 χ^2/NDF: 394974.0/24

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.857+/-0.233 χ^2/NDF: 761190.2/44

All: 1773.960+/-0.163 χ^2/NDF: 1224173.9/92

- sign 1778.863+/-0.228 χ^2/NDF: 462042.5/47



Right In: 154.865+/-207.344 χ^2/NDF: 18.6/20

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

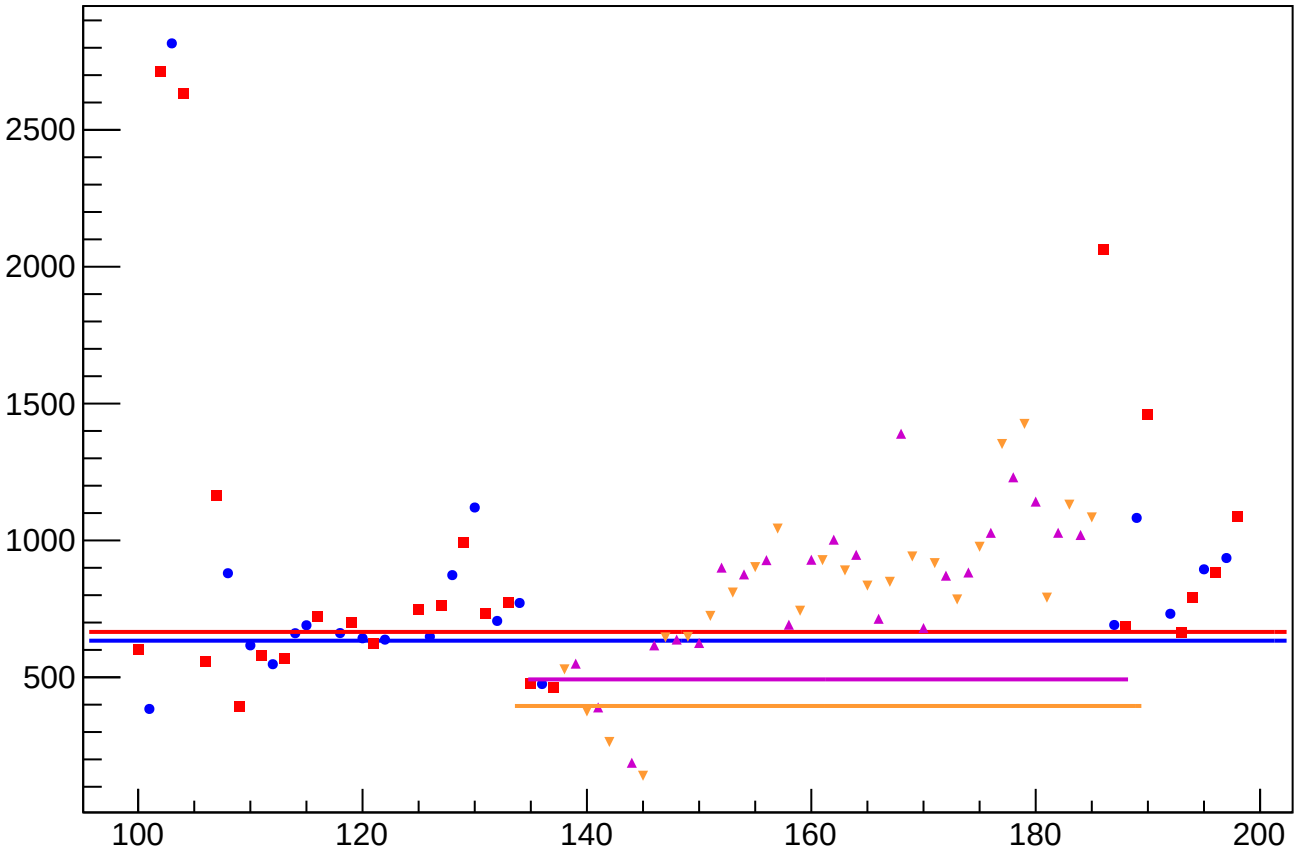
Right Out: 279.286+/-205.932 χ^2/NDF: 22.3/24

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 52.074+/-103.427 χ^2/NDF: 38.3/44

All: 29.276+/-76.645 χ^2/NDF: 79.9/92

- sign 1.505+/-114.151 χ^2/NDF: 41.4/47



Right In: 633.725+/-0.147 χ^2/NDF: 2383753.1/20

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 665.748+/-0.146 χ^2/NDF: 3271501.8/24

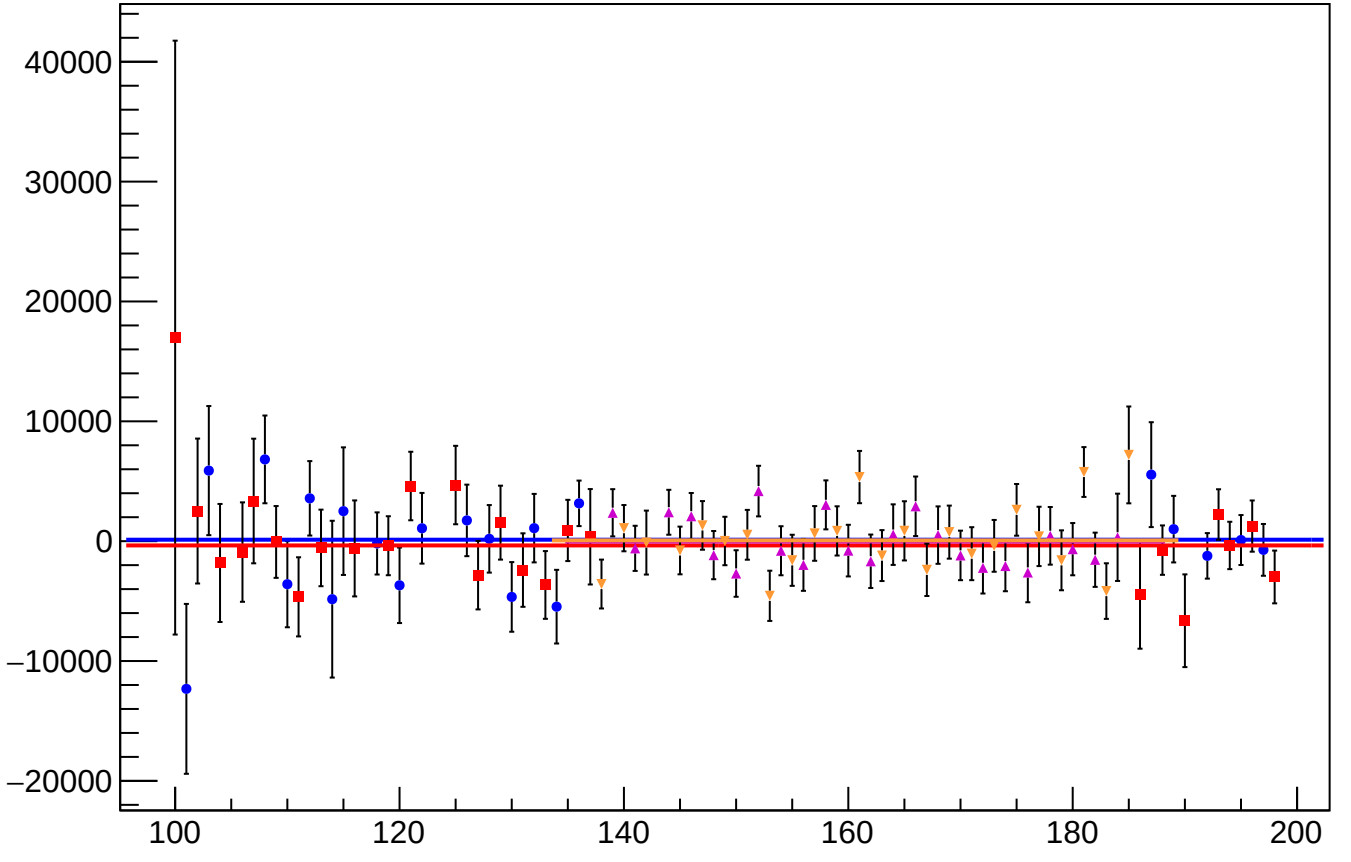
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 454.541+/-0.073 χ^2/NDF: 18706612.2/44

All: 495.589+/-0.054 χ^2/NDF: 34079319.3/92

- sign 545.591+/-0.081 χ^2/NDF: 14673934.0/47

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 122.012+/-632.578 χ^2/NDF: 23.5/20

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -355.304+/-593.066 χ^2/NDF: 18.6/24

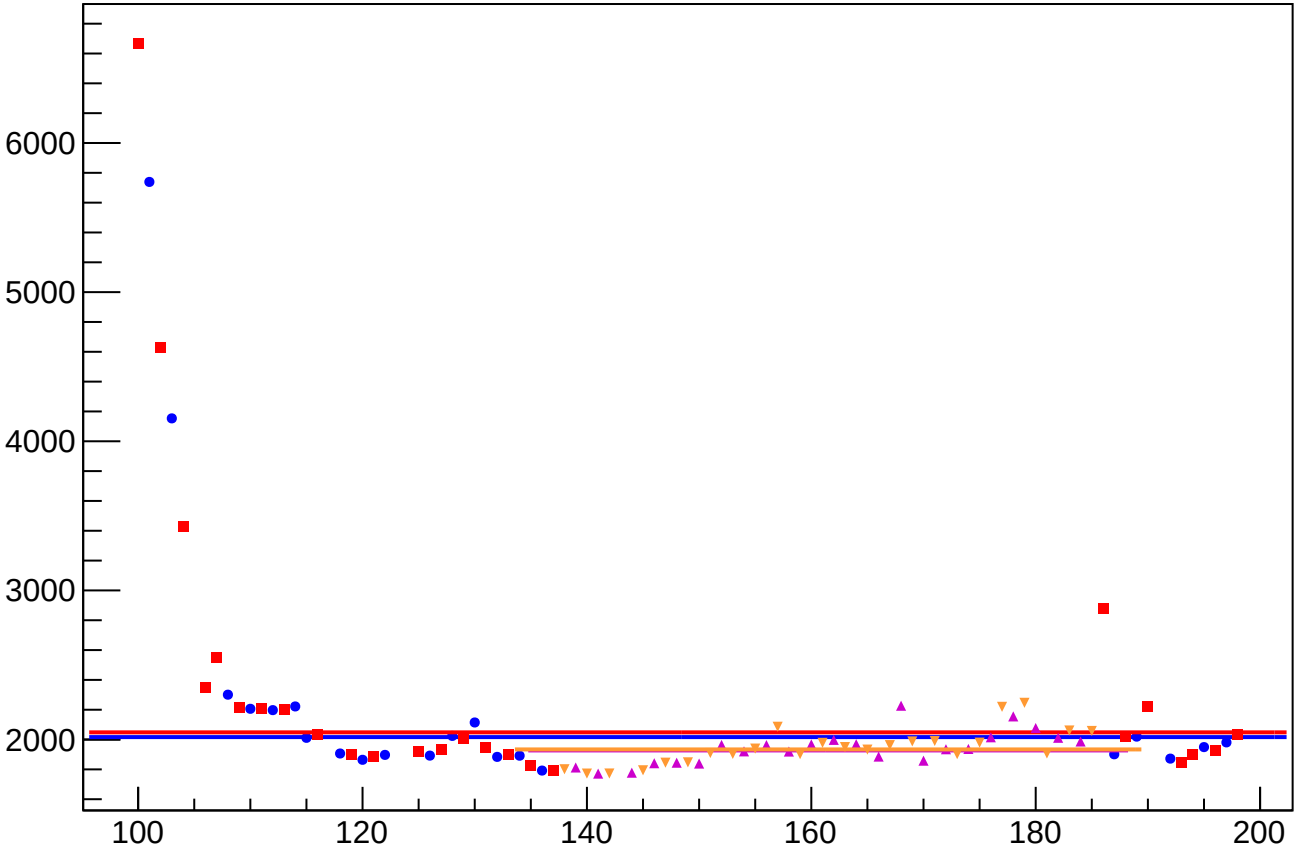
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 85.246+/-366.549 χ^2/NDF: 57.1/44

All: -32.982+/-256.430 χ^2/NDF: 96.1/92

- sign -146.306+/-358.867 χ^2/NDF: 38.8/47

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2016.483+/-0.447 χ^2/NDF: 961314.0/20

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

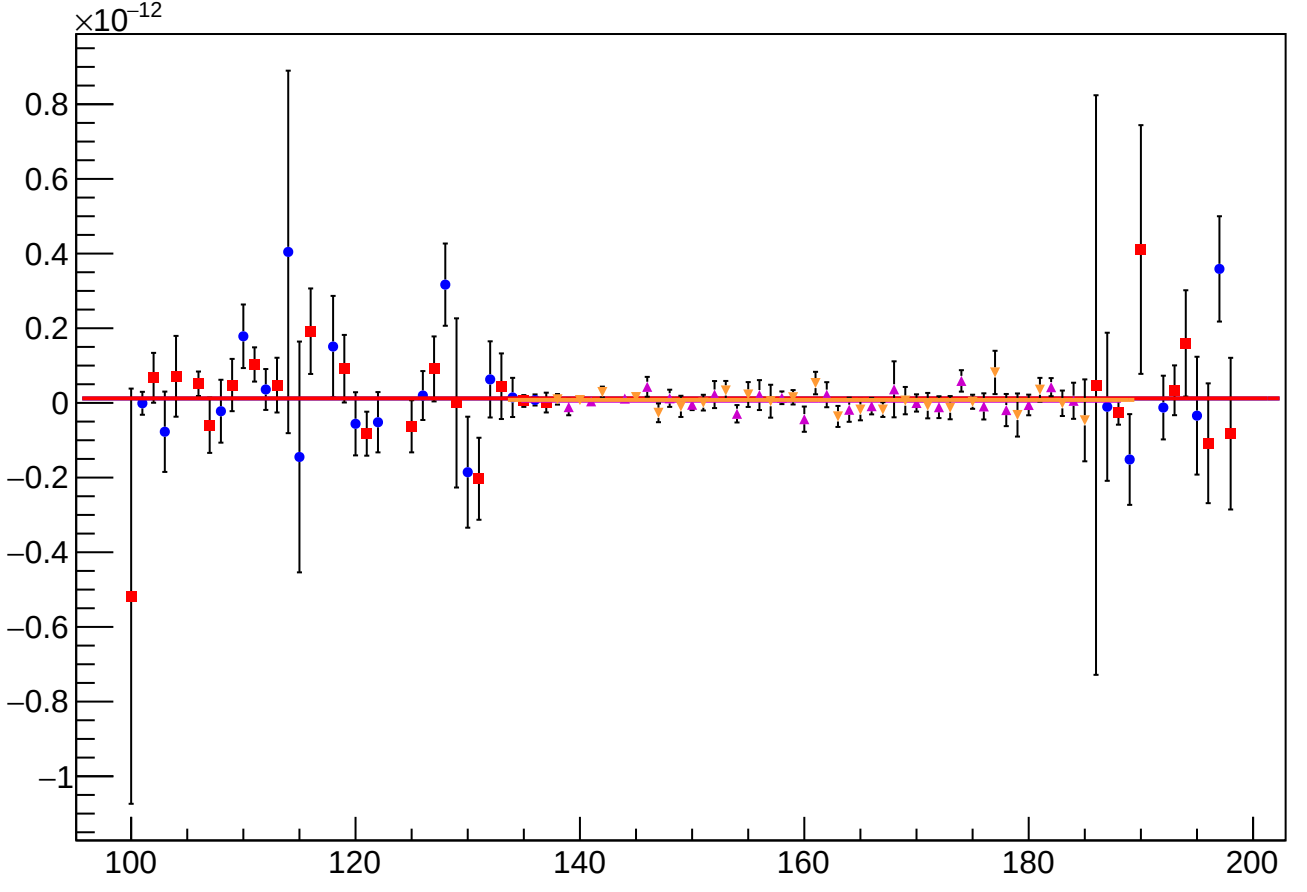
Right Out: 2048.310+/-0.419 χ^2/NDF: 795683.6/24

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1961.565+/-0.259 χ^2/NDF: 1112539.9/44

All: 1966.636+/-0.181 χ^2/NDF: 2078340.5/92

- sign 1971.497+/-0.254 χ^2/NDF: 965050.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

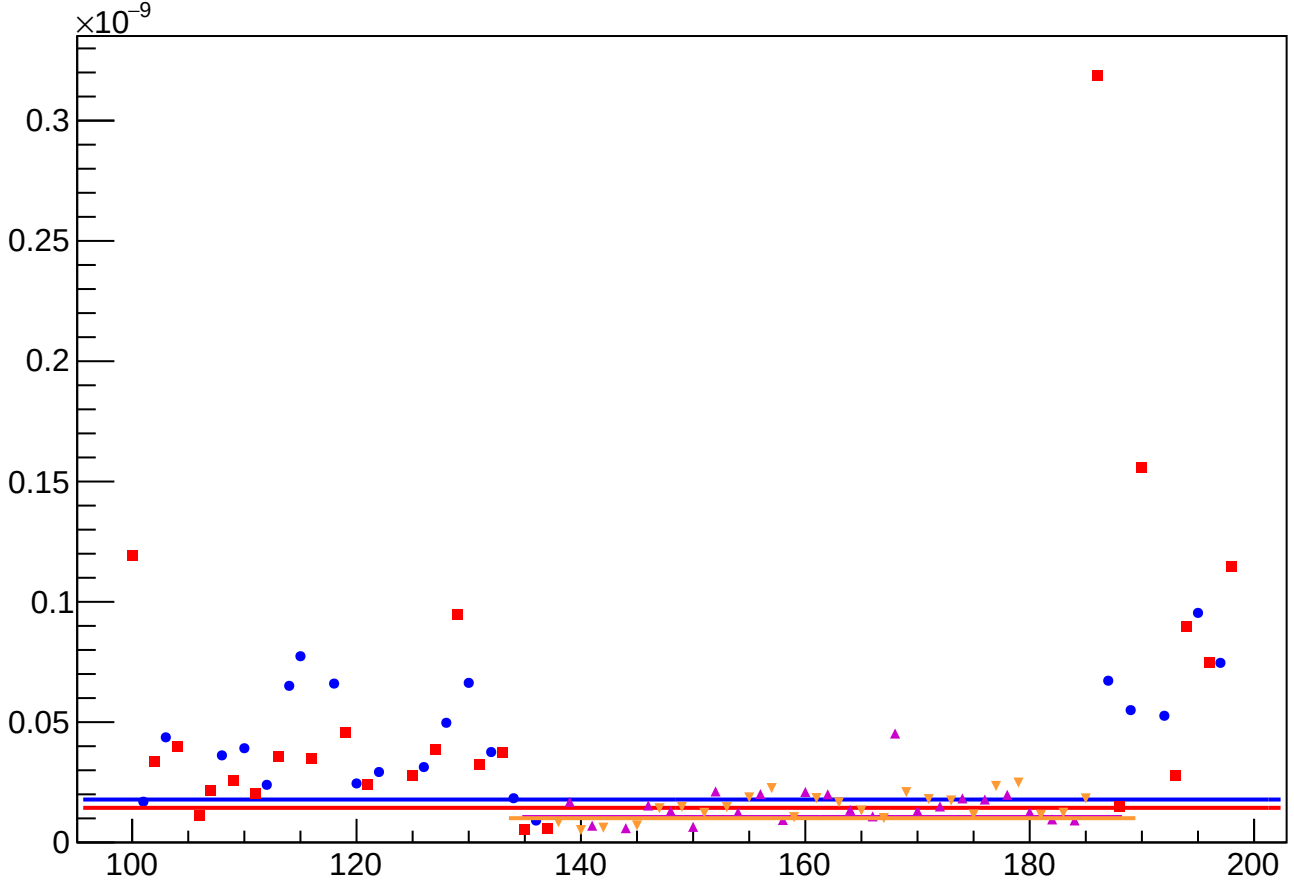
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/24

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/44

All: 0.000+/-0.000 χ^2/NDF: 86.3/92

- sign 0.000+/-0.000 χ^2/NDF: 42.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3443295.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

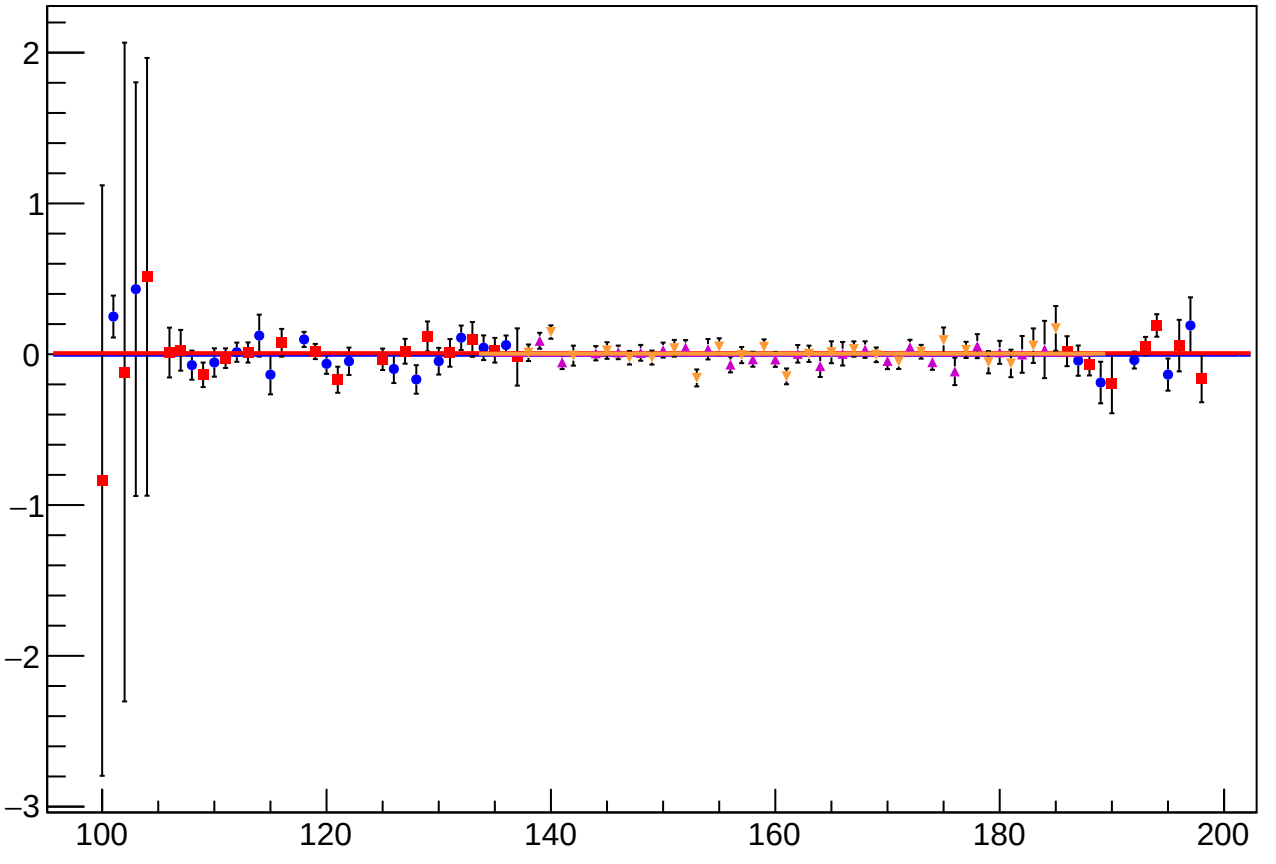
Right Out: 0.000+/-0.000 χ^2/NDF: 4613696.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6533210.8/44

All: 0.000+/-0.000 χ^2/NDF: 13968515.1/92

- sign 0.000+/-0.000 χ^2/NDF: 7434016.5/47



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

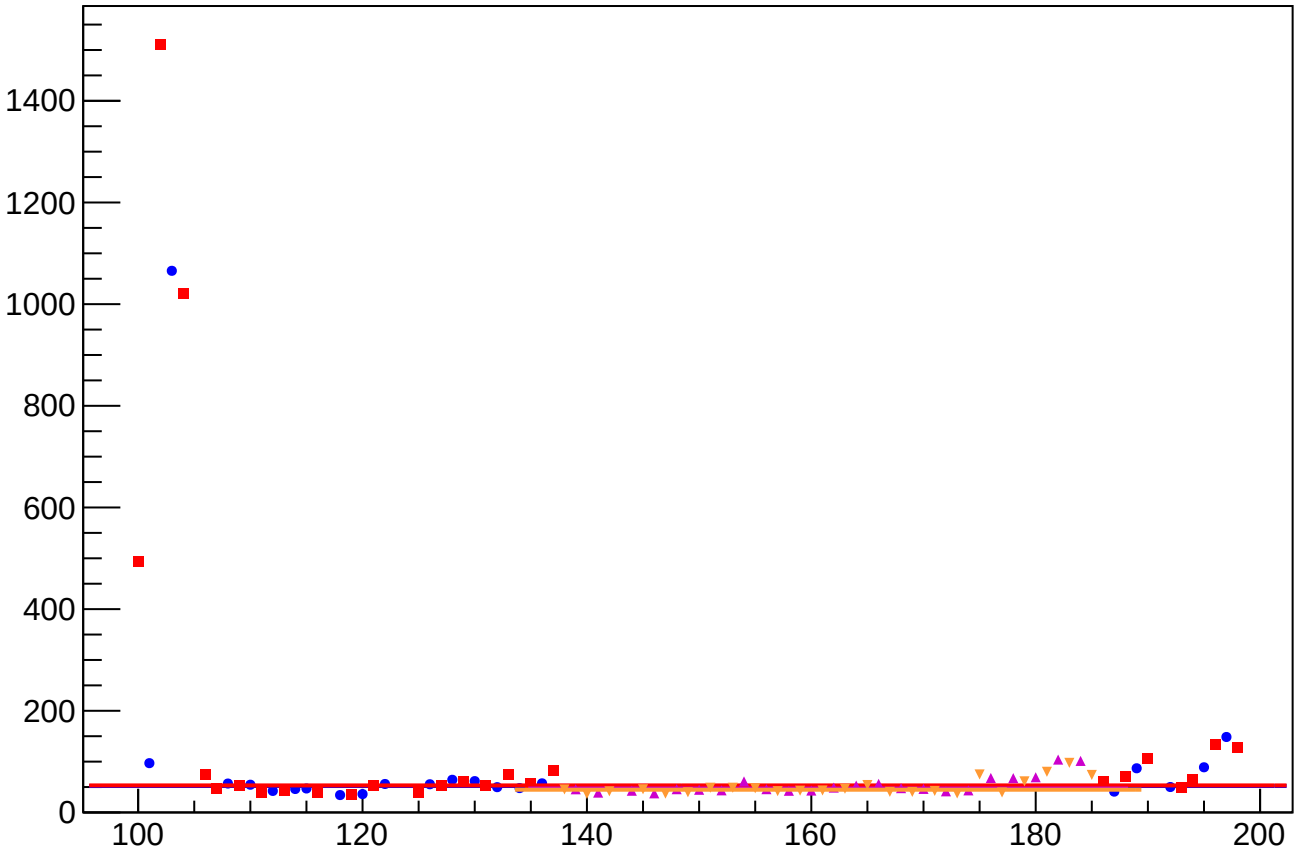
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 58.9/44

All: 0.001+/-0.007 χ^2/NDF: 94.3/92

- sign 0.000+/-0.010 χ^2/NDF: 35.3/47



Right In: 52.018+/-0.013 χ^2/NDF: 2736773.9/20

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 53.203+/-0.013 χ^2/NDF: 3755895.7/24

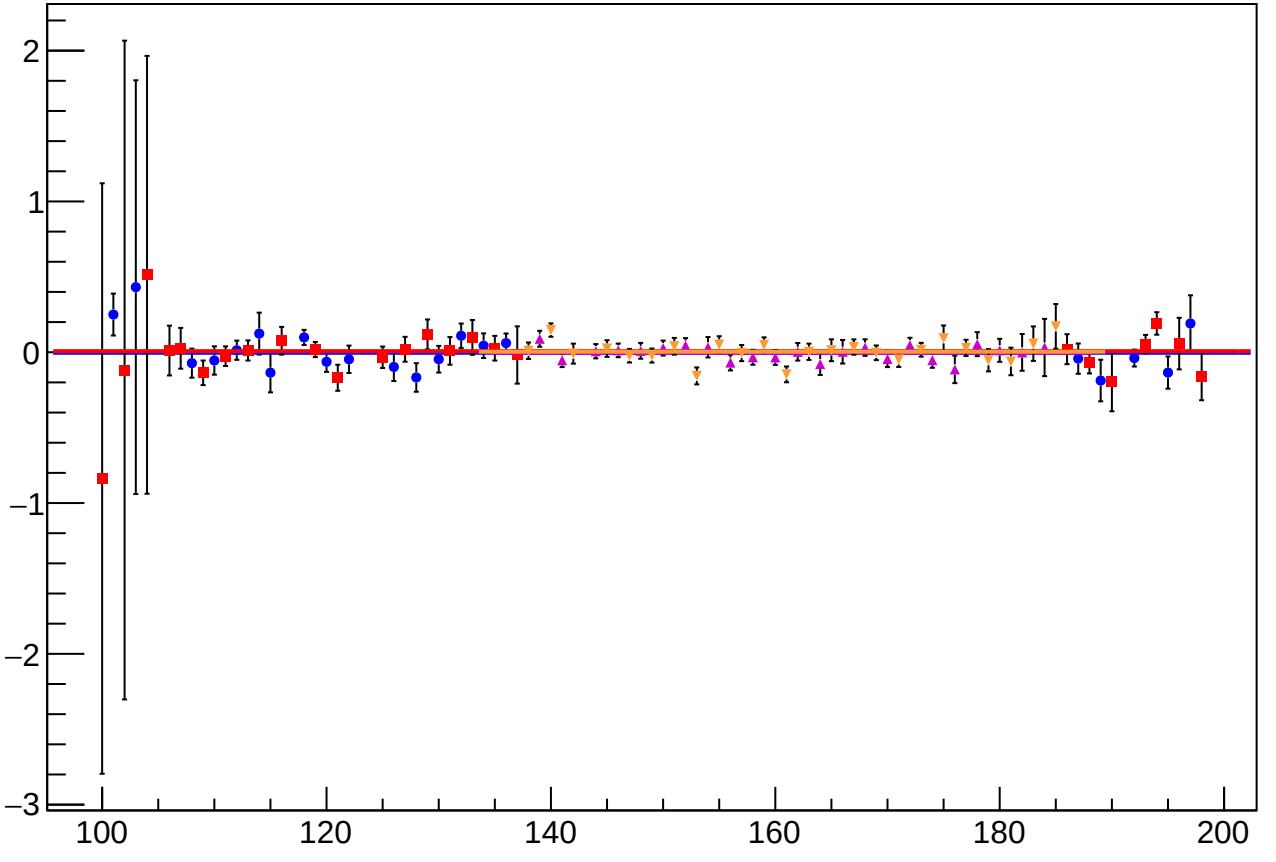
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.735+/-0.007 χ^2/NDF: 4438531.9/44

All: 47.786+/-0.005 χ^2/NDF: 9784190.6/92

- sign 48.879+/-0.007 χ^2/NDF: 5298732.9/47

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

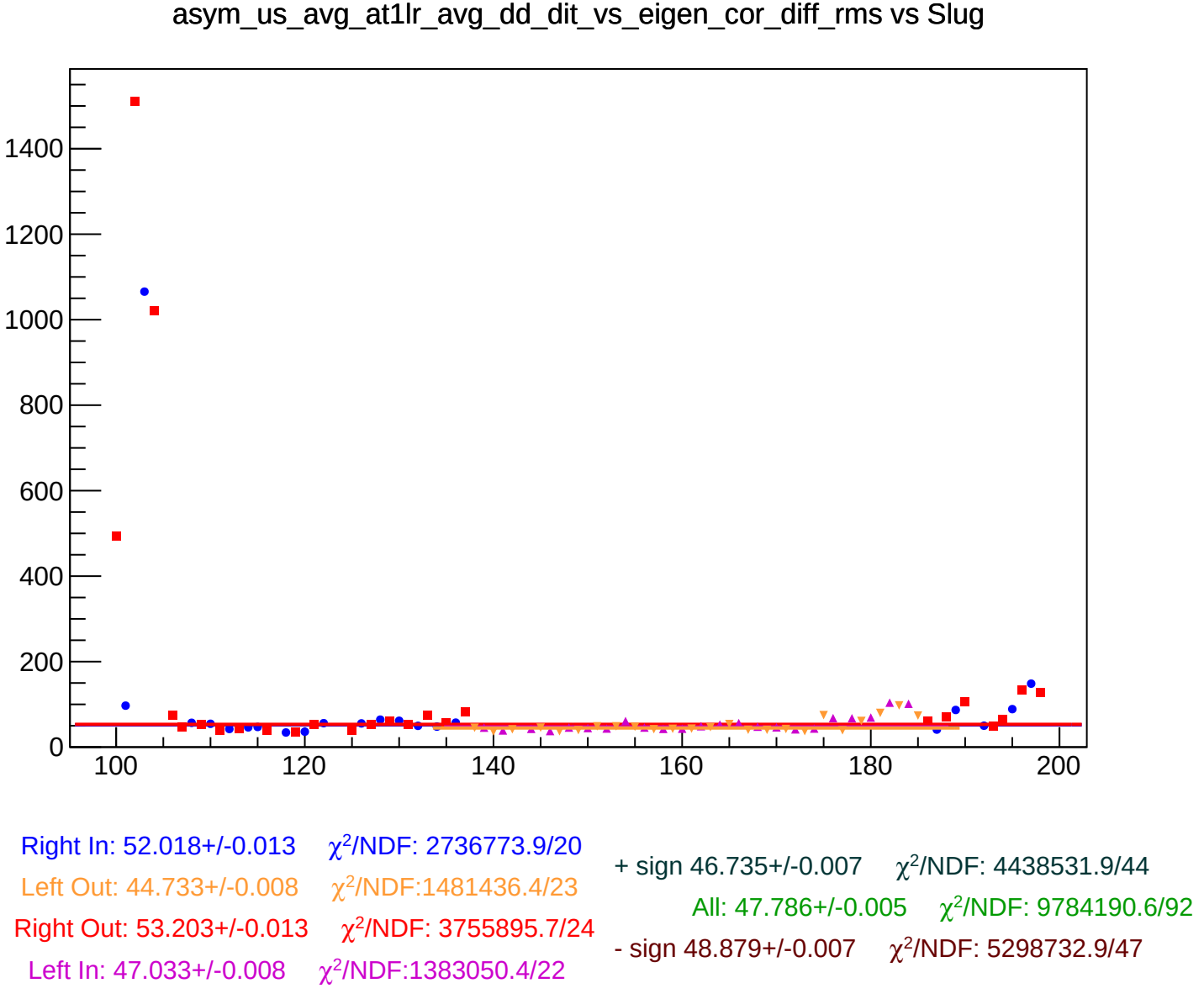
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 58.9/44

All: 0.001+/-0.007 χ^2/NDF: 94.3/92

- sign 0.000+/-0.010 χ^2/NDF: 35.3/47


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
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400
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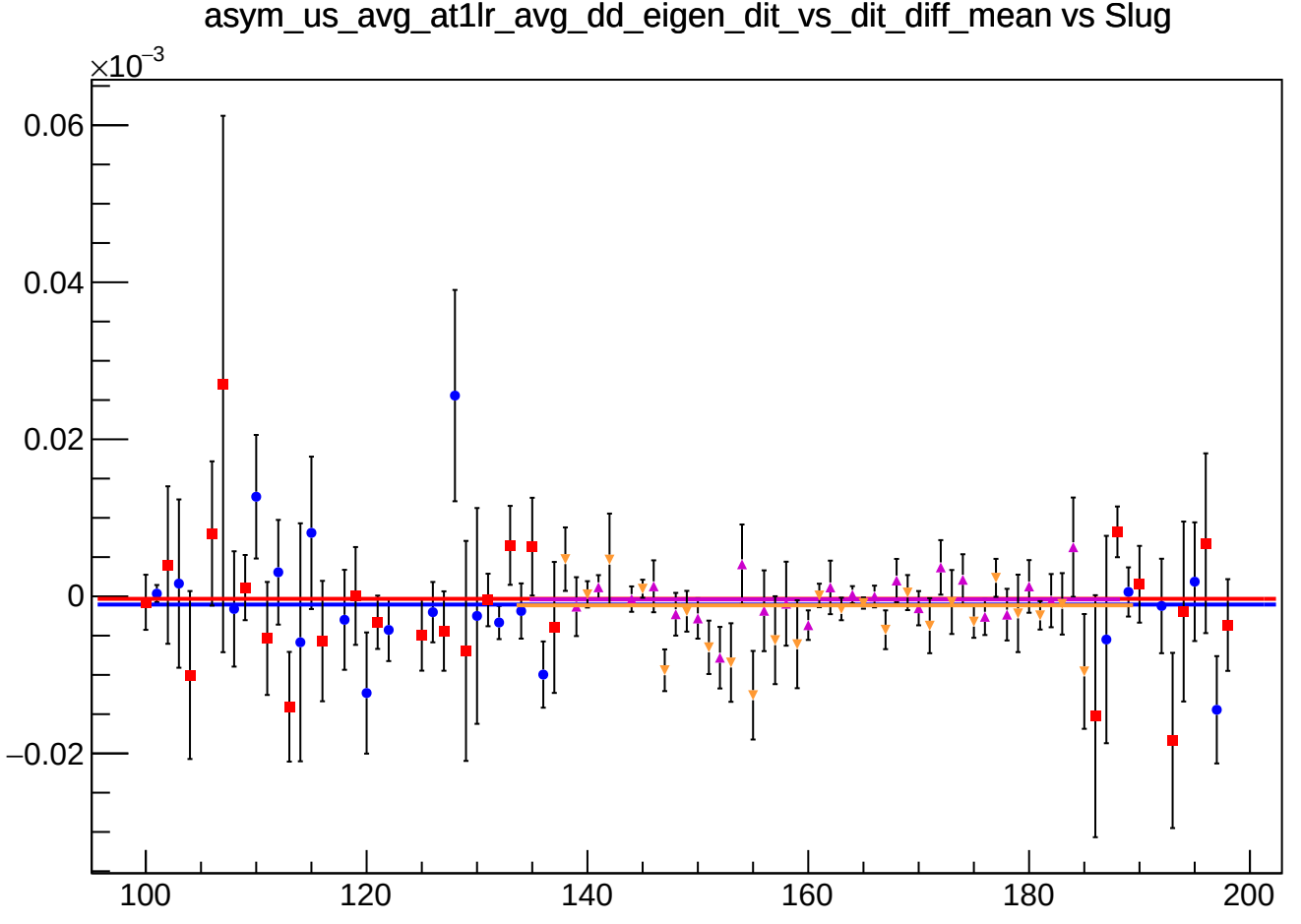
180
200
Right In: 52.018+/-0.013 χ²/NDF: 2736773.9/20
Left Out: 44.733+/-0.008 χ²/NDF:1481436.4/23
Right Out: 53.203+/-0.013 χ²/NDF: 3755895.7/24
Left In: 47.033+/-0.008 χ²/NDF:1383050.4/22
+ sign 46.735+/-0.007 χ²/NDF: 4438531.9/44
All: 47.786+/-0.005 χ²/NDF: 9784190.6/92
- sign 48.879+/-0.007 χ²/NDF: 5298732.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

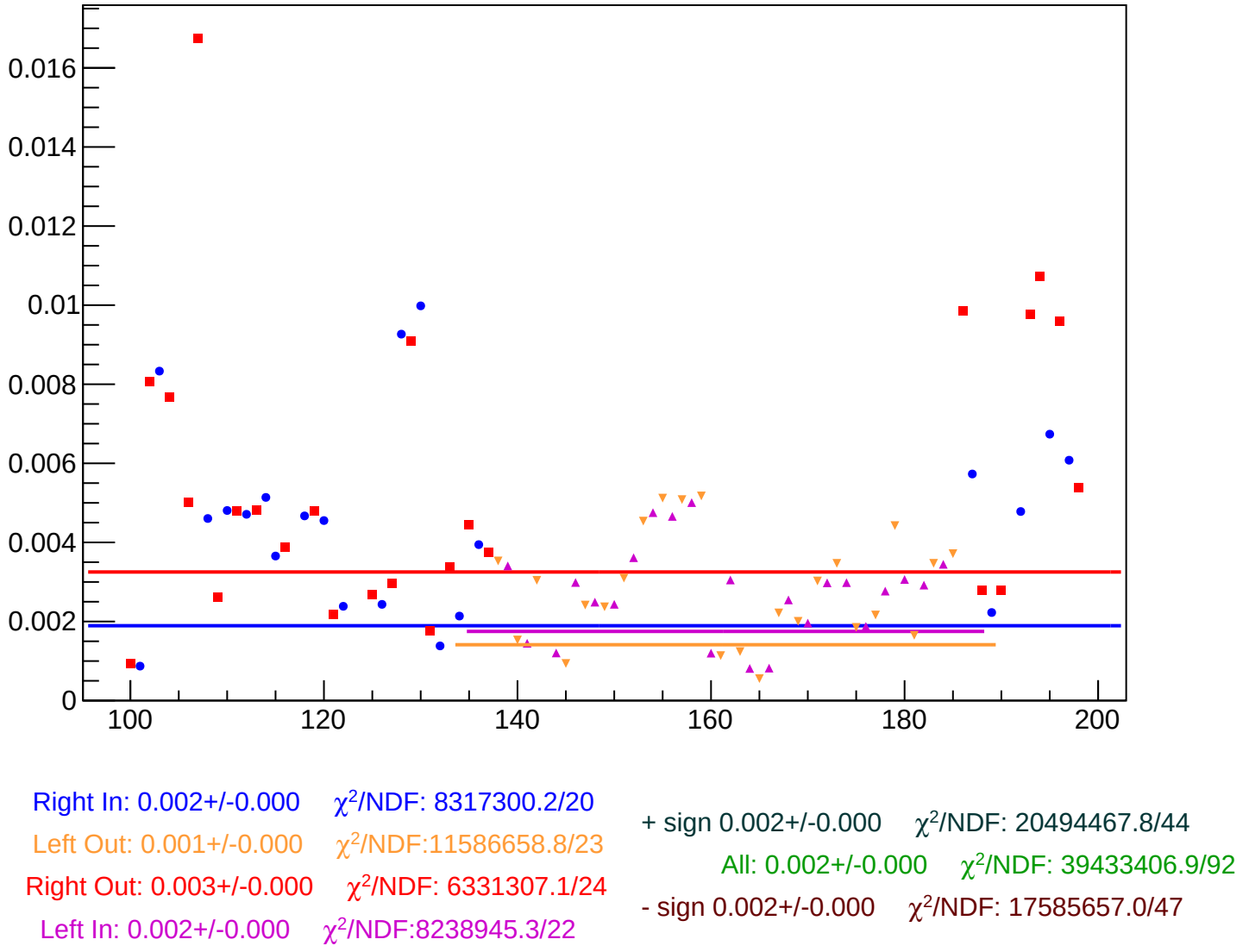
Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/24

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.8/44

All: -0.000+/-0.000 χ^2/NDF: 101.5/92

- sign -0.000+/-0.000 χ^2/NDF: 41.0/47


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
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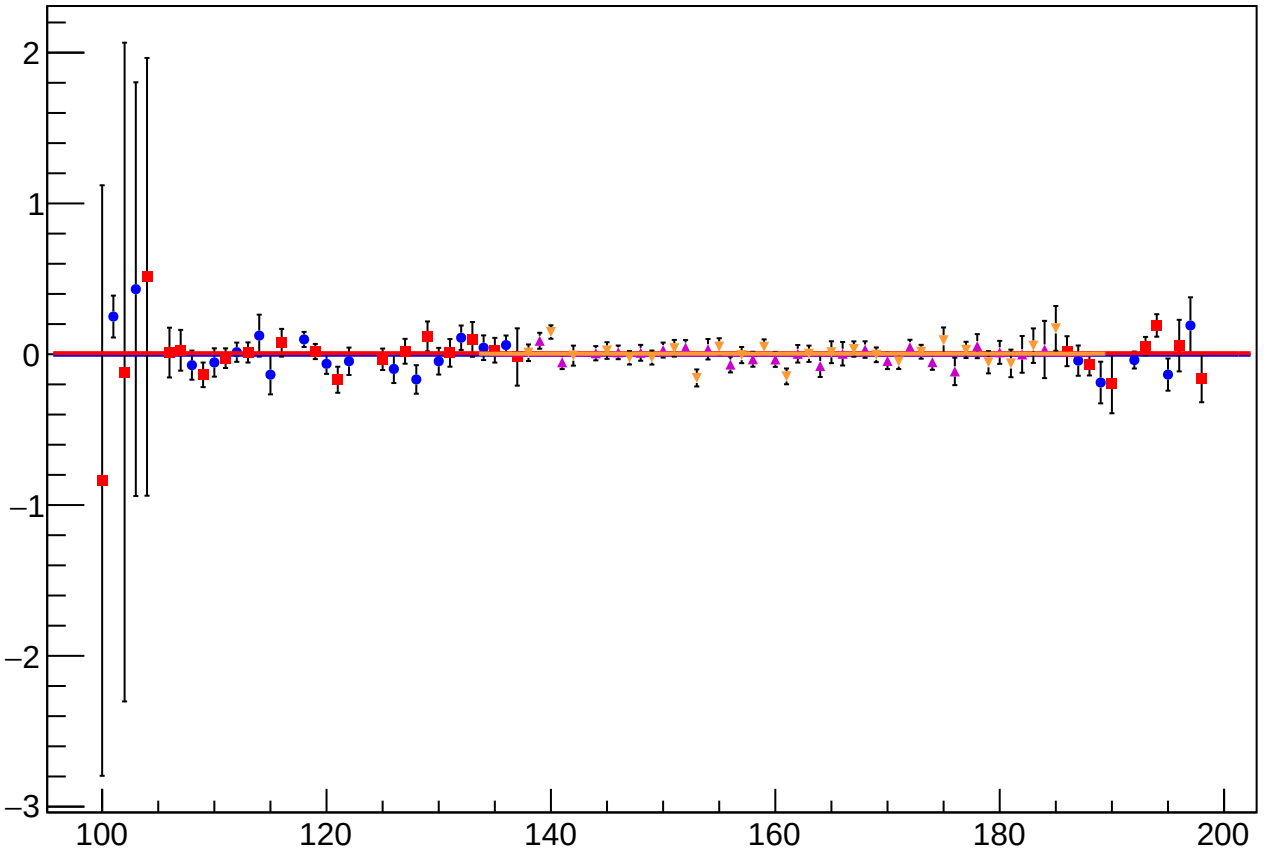
Right In: 0.002+/-0.000 χ²/NDF: 8317300.2/20
Left Out: 0.001+/-0.000 χ²/NDF:11586658.8/23
Right Out: 0.003+/-0.000 χ²/NDF: 6331307.1/24
Left In: 0.002+/-0.000 χ²/NDF:8238945.3/22
+ sign 0.002+/-0.000 χ²/NDF: 20494467.8/44
All: 0.002+/-0.000 χ²/NDF: 39433406.9/92
- sign 0.002+/-0.000 χ²/NDF: 17585657.0/47



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

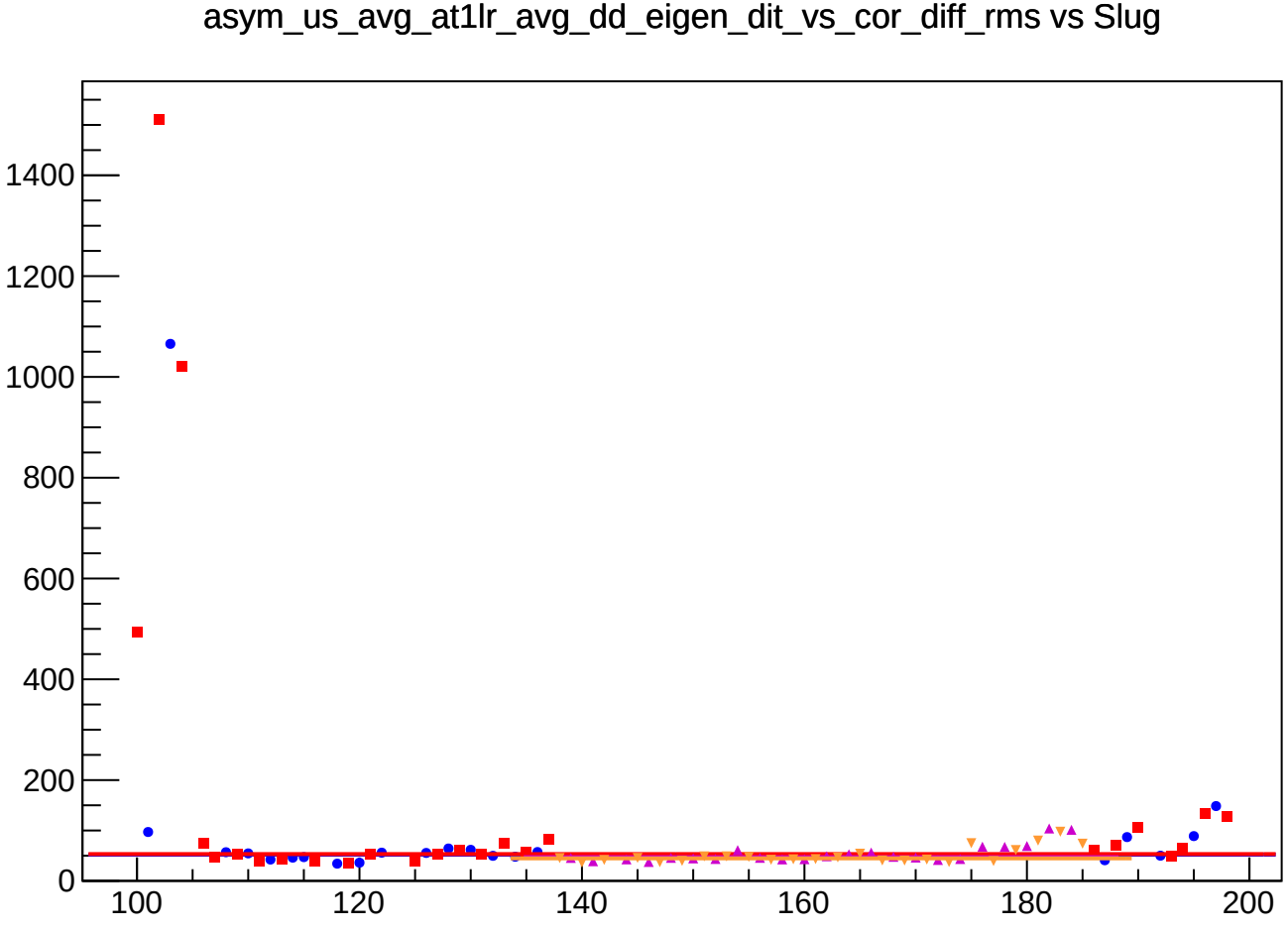
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 58.9/44

All: 0.001+/-0.007 χ^2/NDF: 94.2/92

- sign 0.000+/-0.010 χ^2/NDF: 35.3/47



Right In: 52.018+/-0.013 χ^2/NDF: 2736696.8/20

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 53.202+/-0.013 χ^2/NDF: 3755978.6/24

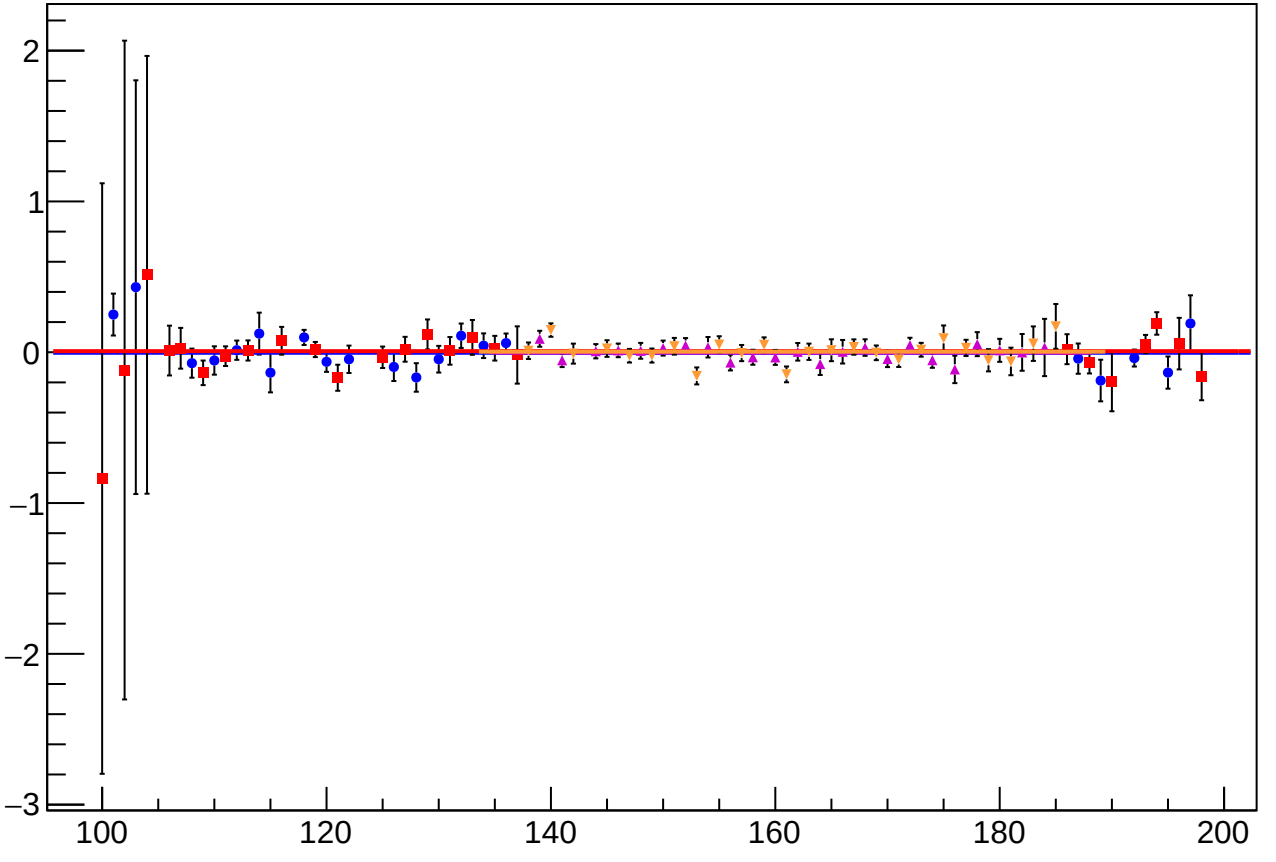
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 46.735+/-0.007 χ^2/NDF: 4438424.6/44

All: 47.786+/-0.005 χ^2/NDF: 9784186.2/92

- sign 48.879+/-0.007 χ^2/NDF: 5298855.7/47

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

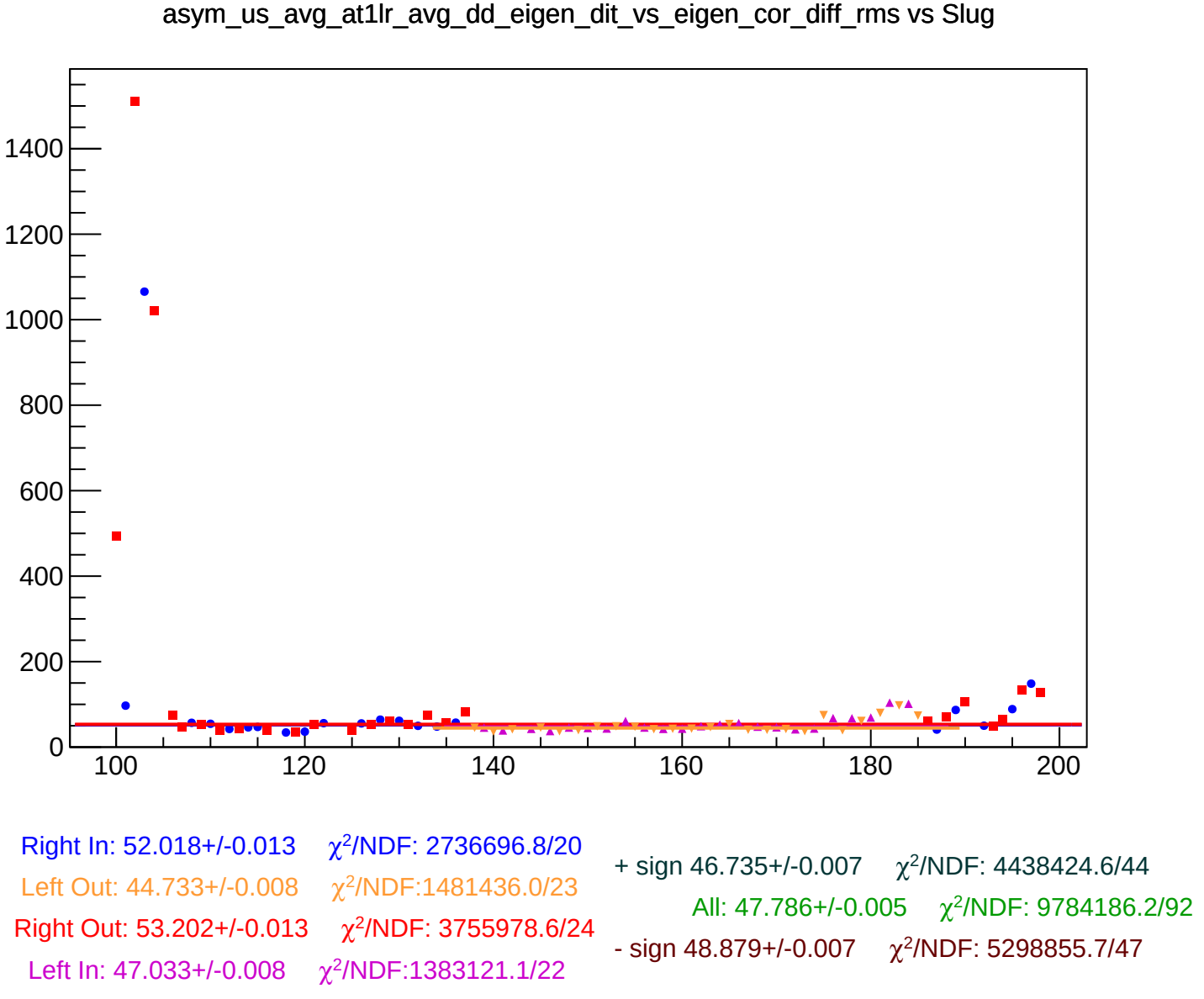
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 58.9/44

All: 0.001+/-0.007 χ^2/NDF: 94.2/92

- sign 0.000+/-0.010 χ^2/NDF: 35.3/47


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
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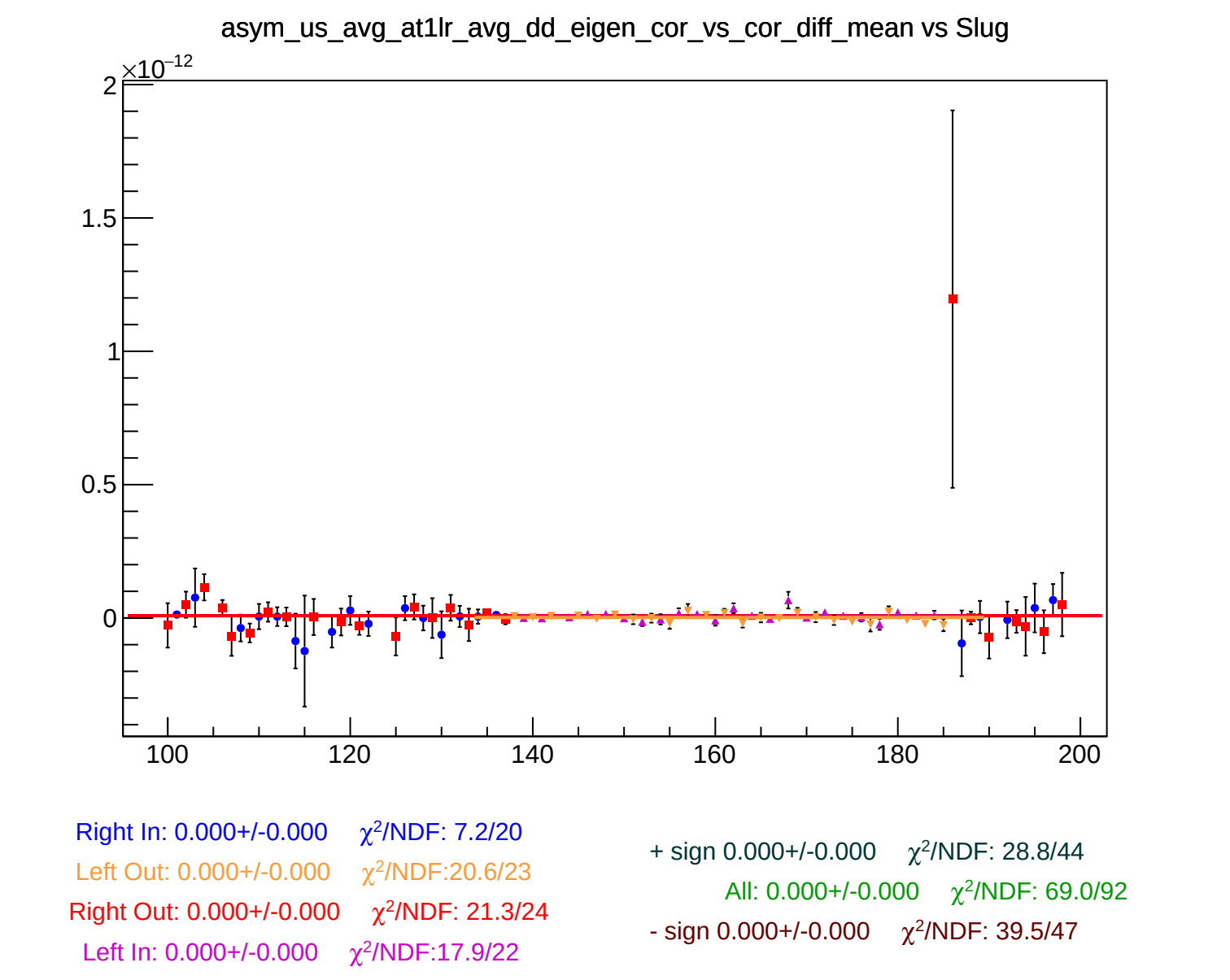
Right In: 52.018+/-0.013 χ²/NDF: 2736696.8/20
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 53.202+/-0.013 χ²/NDF: 3755978.6/24
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 46.735+/-0.007 χ²/NDF: 4438424.6/44
All: 47.786+/-0.005 χ²/NDF: 9784186.2/92
- sign 48.879+/-0.007 χ²/NDF: 5298855.7/47


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
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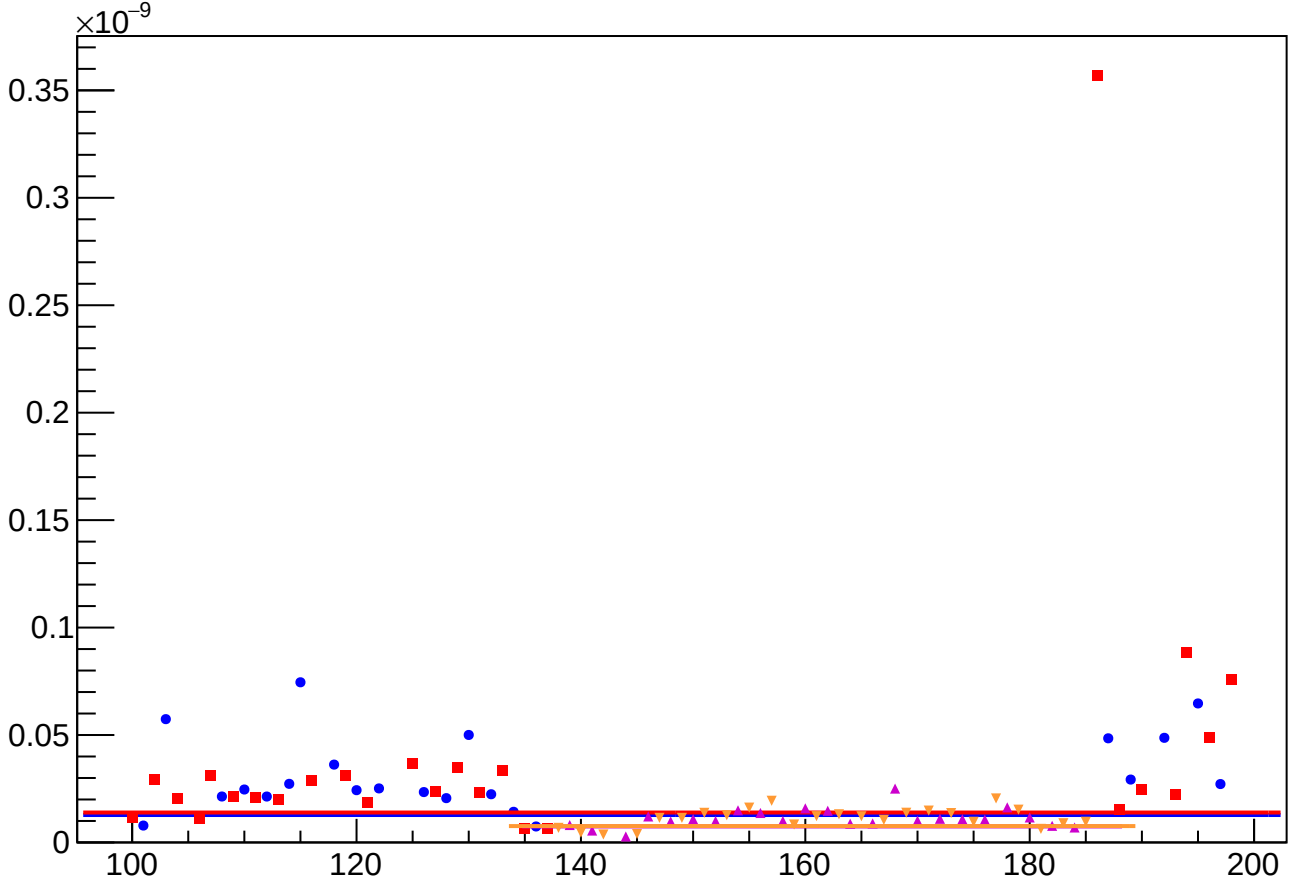
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7.2/20
Left Out: 0.000+/-0.000 χ²/NDF:20.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 21.3/24
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign 0.000+/-0.000 χ²/NDF: 28.8/44
All: 0.000+/-0.000 χ²/NDF: 69.0/92
- sign 0.000+/-0.000 χ²/NDF: 39.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 4584827.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5412511.6/24

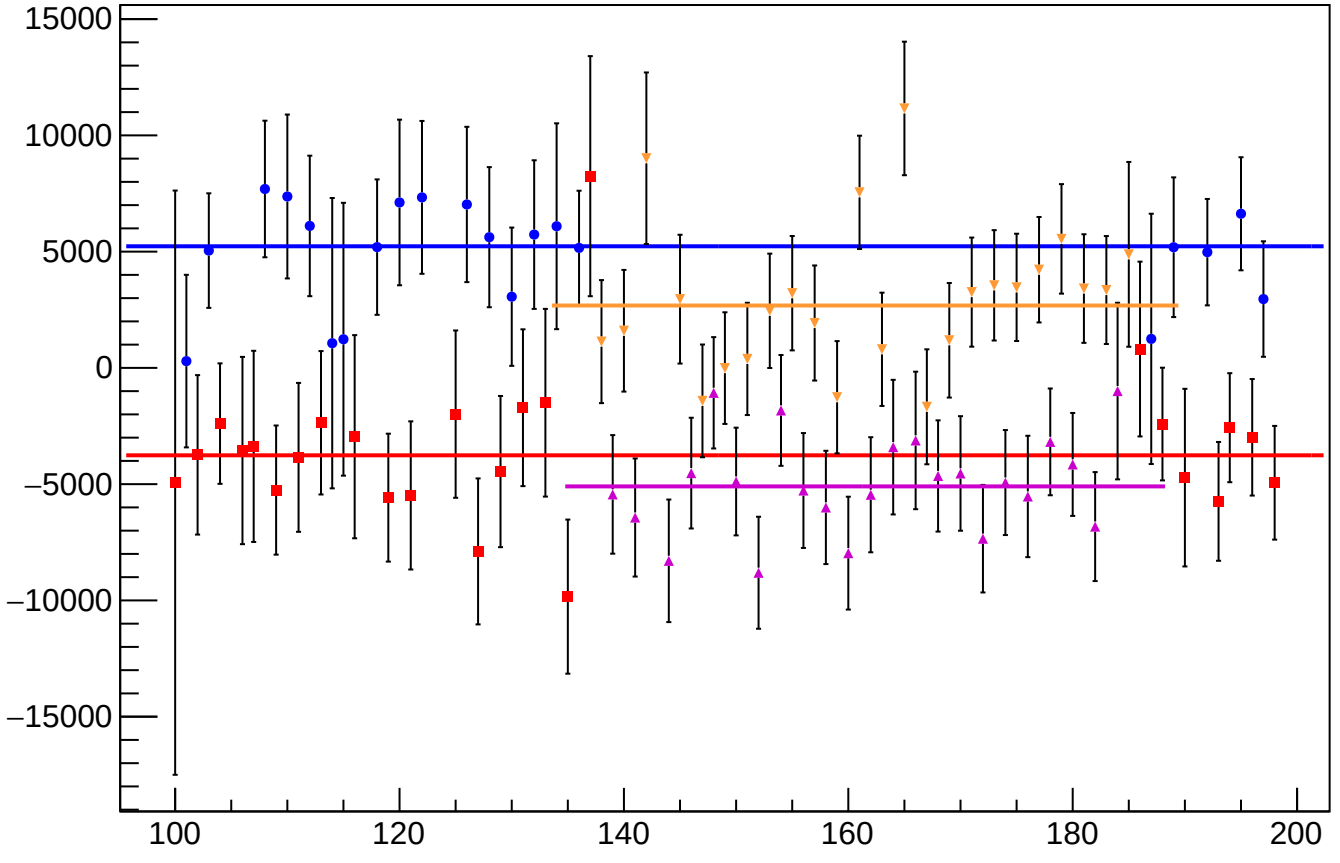
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11248439.2/44

All: 0.000+/-0.000 χ^2/NDF: 24272412.5/92

- sign 0.000+/-0.000 χ^2/NDF: 13023429.7/47

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5229.957+/-676.942 χ^2/NDF: 7.2/20

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3759.150+/-632.567 χ^2/NDF: 16.1/24

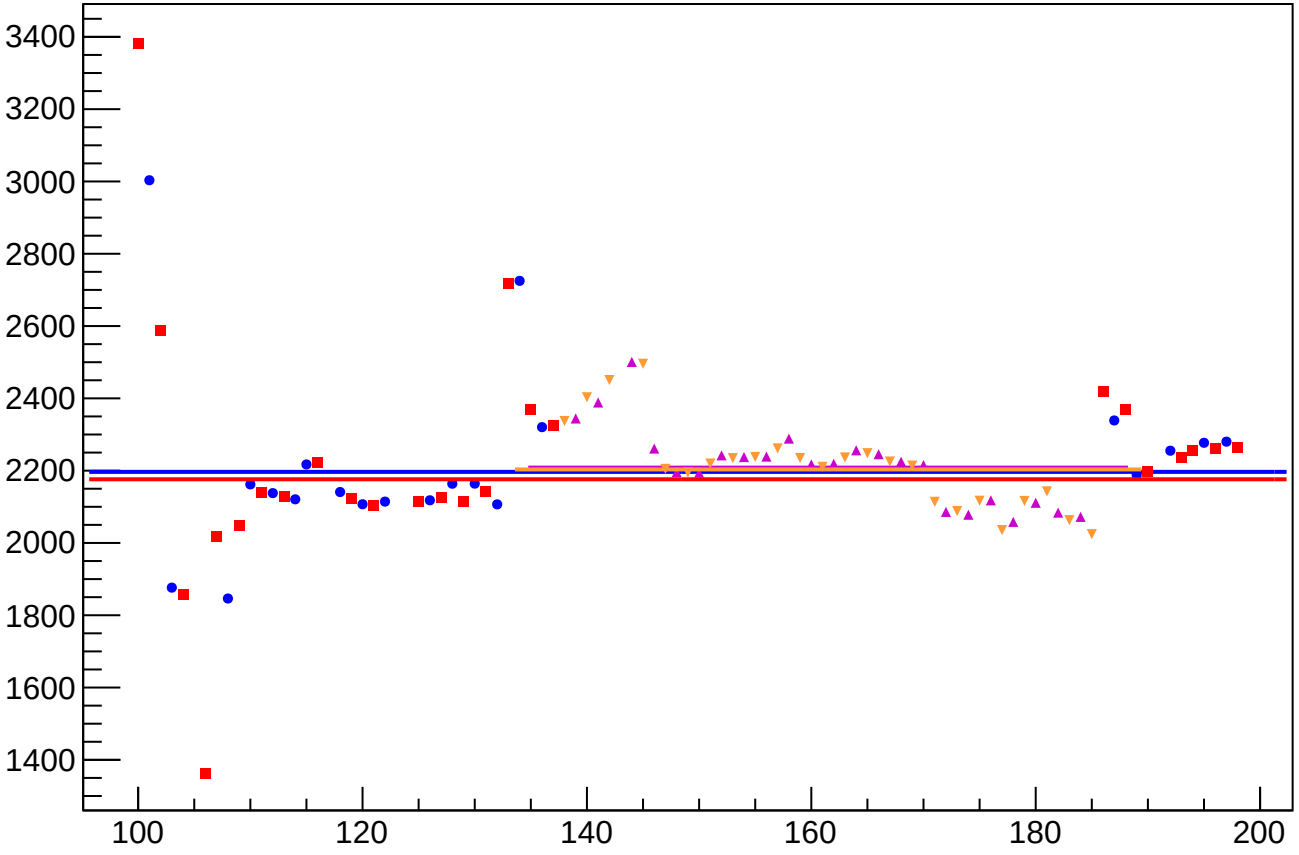
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3609.774+/-408.364 χ^2/NDF: 47.0/44

All: -561.068+/-285.736 χ^2/NDF: 285.0/92

- sign -4561.835+/-399.951 χ^2/NDF: 33.7/47

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2196.644+/-0.479 χ^2/NDF: 205201.0/20

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

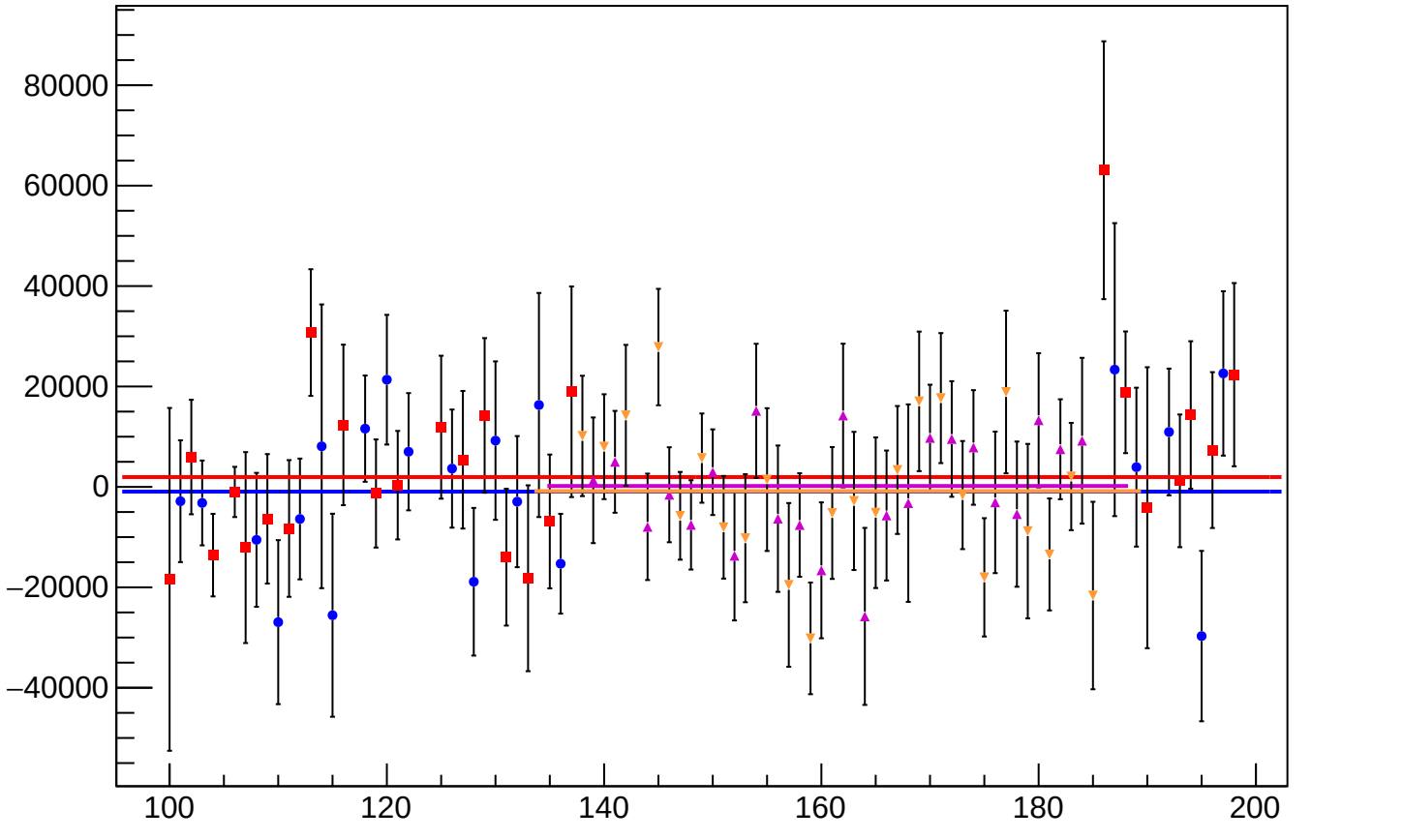
Right Out: 2176.137+/-0.443 χ^2/NDF: 310440.9/24

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2200.876+/-0.289 χ^2/NDF: 293532.2/44

All: 2198.038+/-0.202 χ^2/NDF: 688311.6/92

- sign 2195.337+/-0.282 χ^2/NDF: 394590.9/47



Right In: -934.762+/-2941.445 χ^2/NDF: 21.2/20

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: 1959.438+/-2478.978 χ^2/NDF: 26.2/24

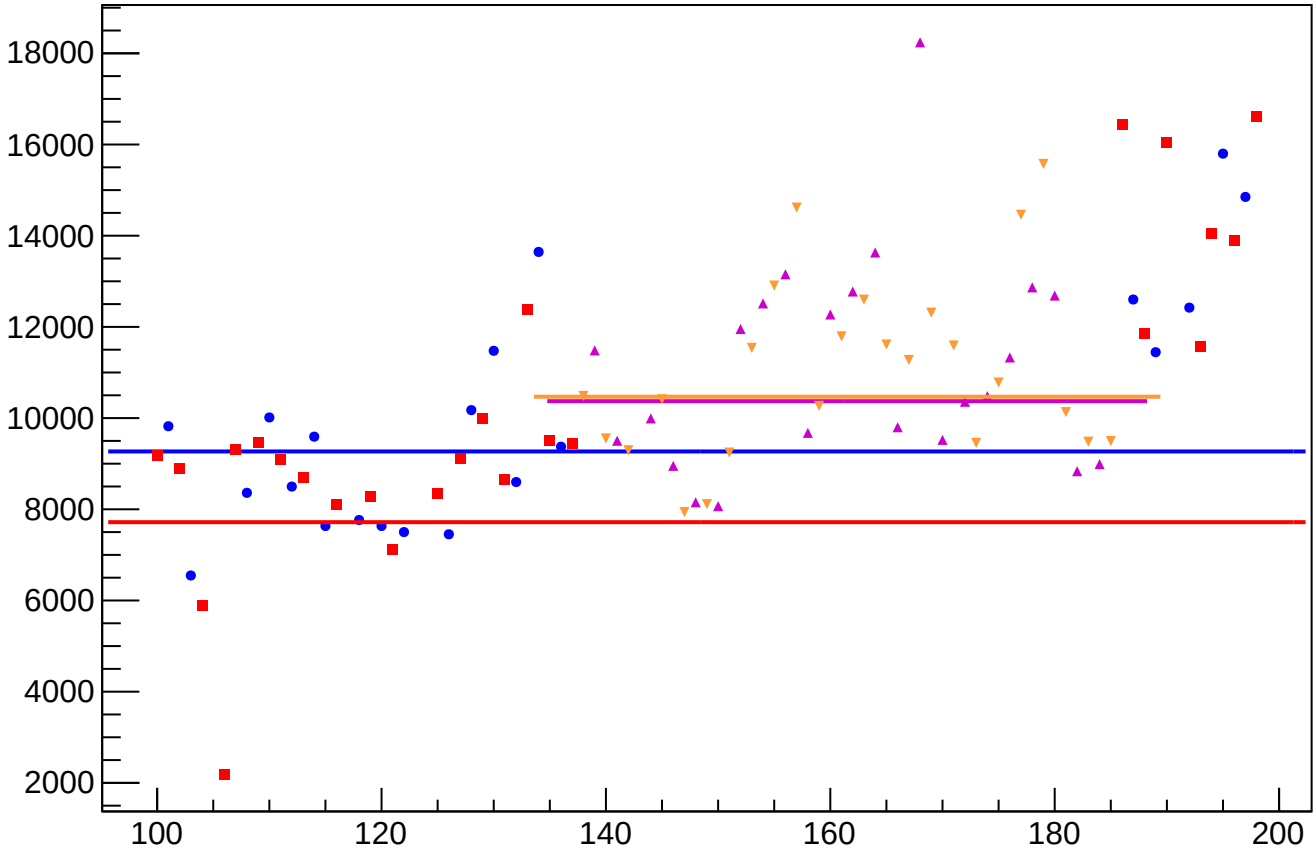
Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign -875.594+/-1896.685 χ^2/NDF: 50.6/44

All: 174.251+/-1286.233 χ^2/NDF: 91.5/92

- sign 1068.148+/-1750.154 χ^2/NDF: 40.3/47

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 9268.541+/-2.080 χ^2/NDF: 1259588.3/20

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

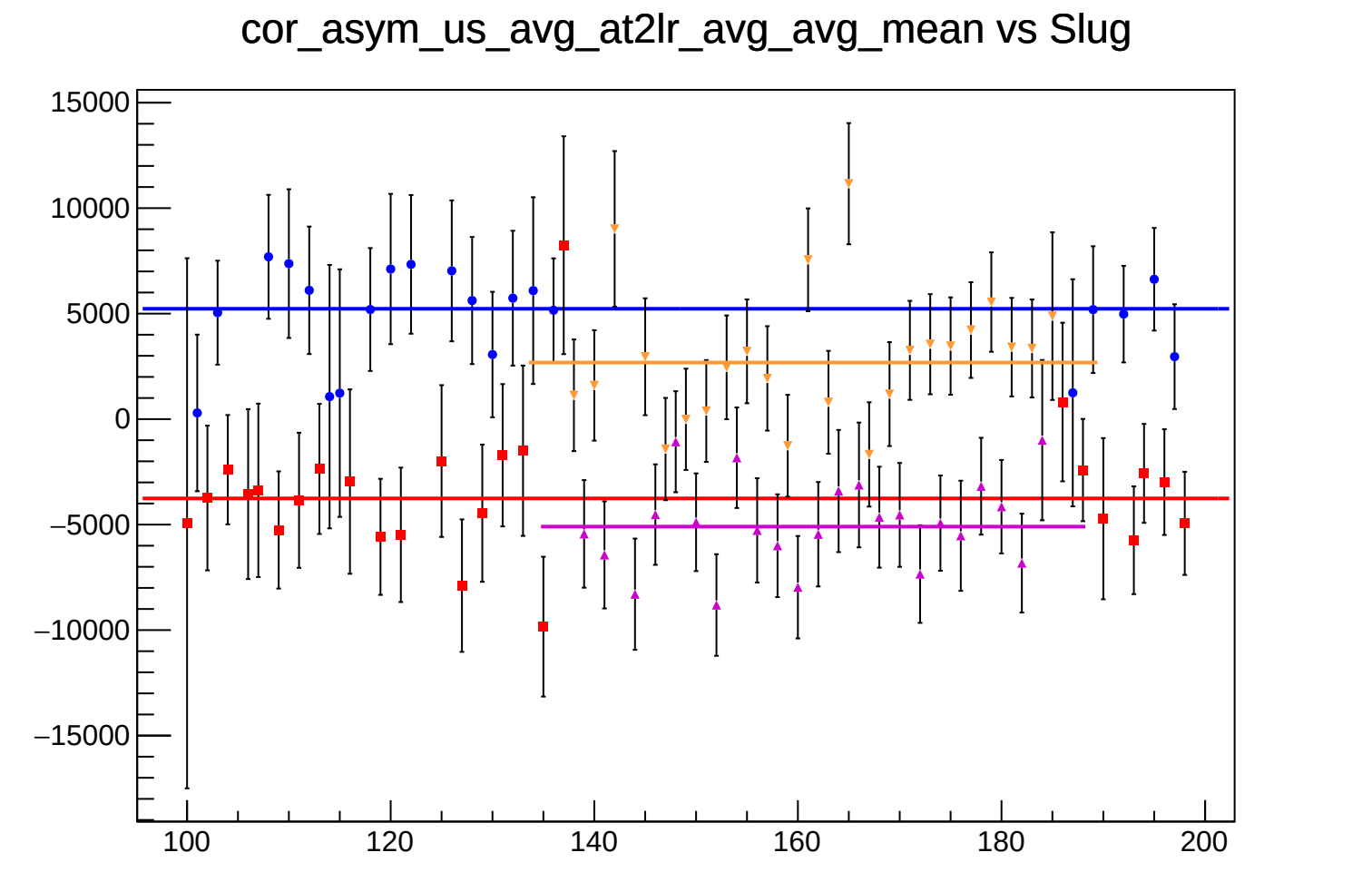
Right Out: 7717.395+/-1.753 χ^2/NDF: 4900506.0/24

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 9969.678+/-1.341 χ^2/NDF: 2499355.6/44

All: 9472.029+/-0.910 χ^2/NDF: 10007885.7/9

- sign 9048.302+/-1.238 χ^2/NDF: 7253612.1/47



Right In: 5230.097+/-676.942 χ^2/NDF: 7.2/20

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3758.993+/-632.567 χ^2/NDF: 16.1/24

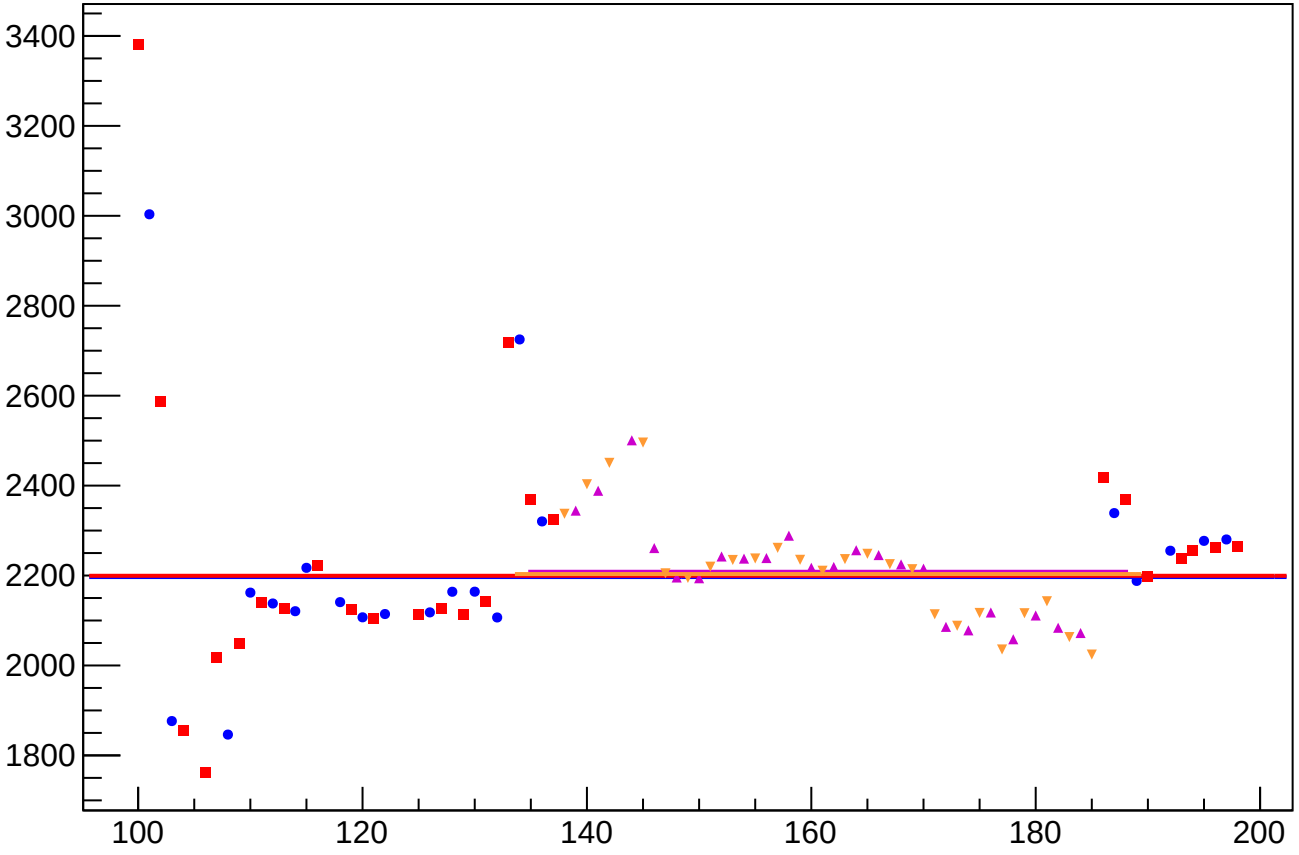
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3609.775+/-408.364 χ^2/NDF: 47.0/44

All: -561.007+/-285.736 χ^2/NDF: 285.0/92

- sign -4561.717+/-399.951 χ^2/NDF: 33.7/47

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2196.644+/-0.479 χ^2/NDF: 205201.4/20

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

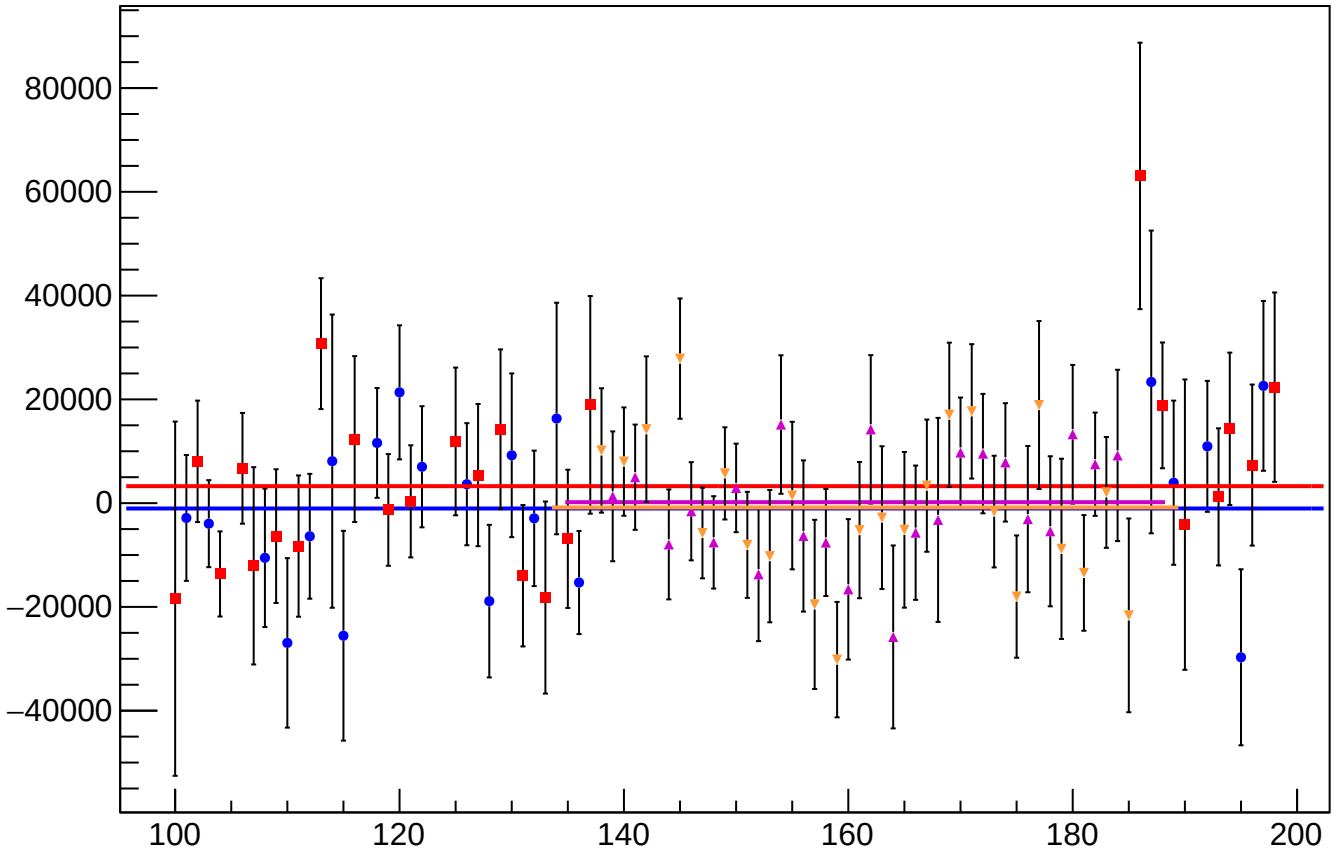
Right Out: 2199.453+/-0.446 χ^2/NDF: 187035.9/24

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2200.876+/-0.289 χ^2/NDF: 293532.6/44

All: 2202.880+/-0.202 χ^2/NDF: 561897.0/92

- sign 2204.798+/-0.282 χ^2/NDF: 268270.1/47



Right In: -1032.822+/-2938.703 χ^2/NDF: 21.2/20

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

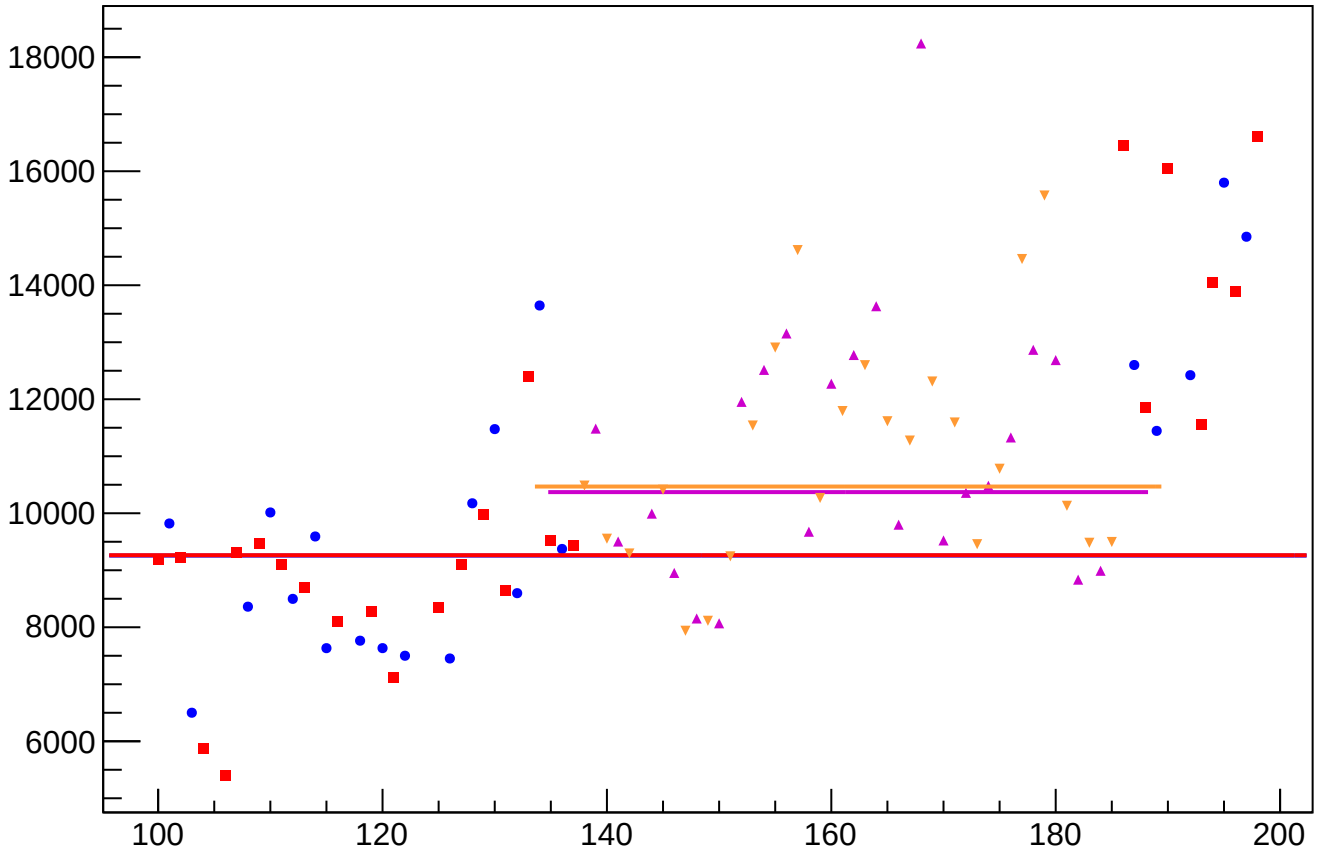
Right Out: 3270.459+/-2760.972 χ^2/NDF: 26.1/24

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -916.441+/-1895.949 χ^2/NDF: 50.7/44

All: 355.840+/-1320.917 χ^2/NDF: 92.1/92

- sign 1555.918+/-1841.365 χ^2/NDF: 40.5/47



Right In: 9257.638+/-2.078 χ^2/NDF: 1270121.0/20

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

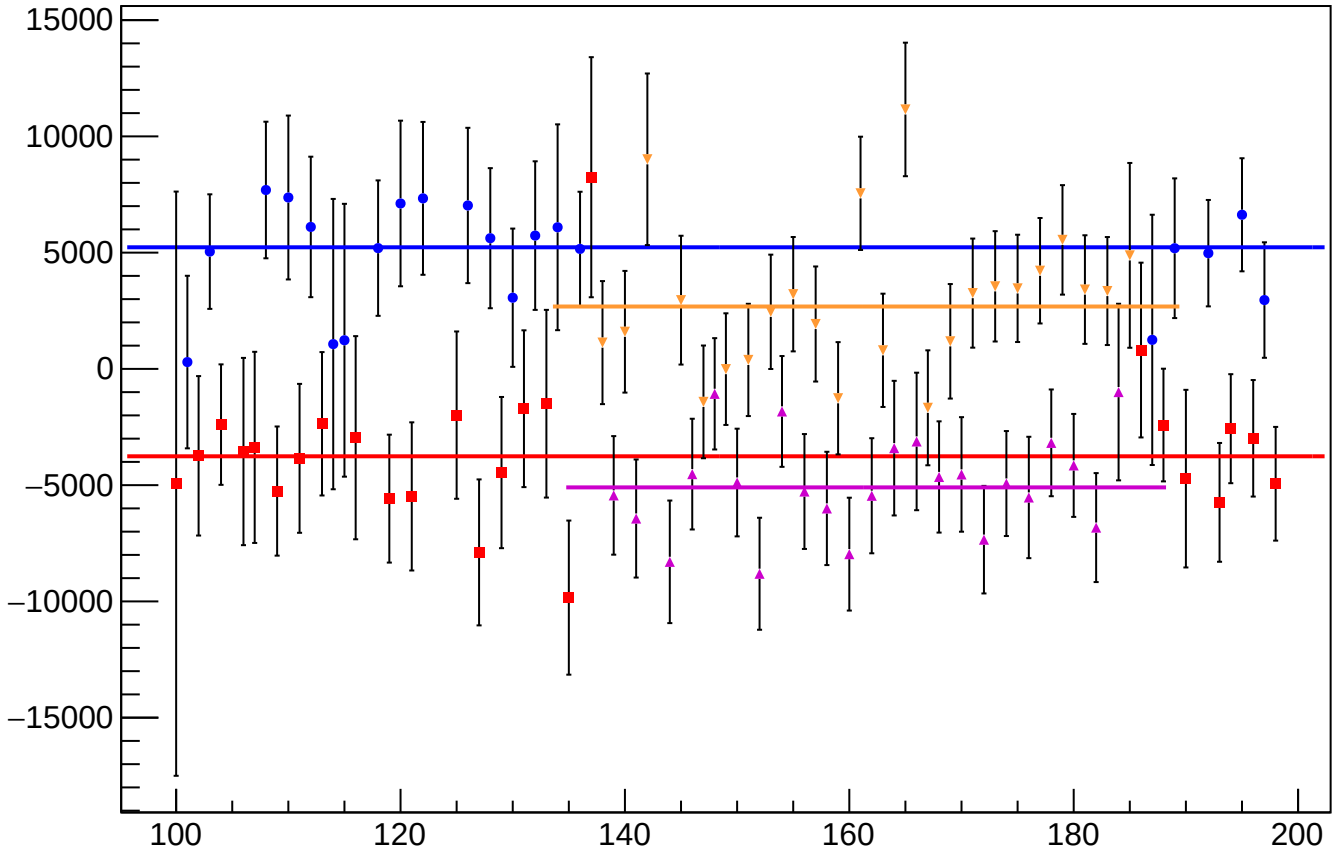
Right Out: 9263.850+/-1.952 χ^2/NDF: 1928884.2/24

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9964.596+/-1.341 χ^2/NDF: 2513655.3/44

All: 9920.284+/-0.934 χ^2/NDF: 5826946.1/92

- sign 9878.486+/-1.302 χ^2/NDF: 3311167.8/47



Right In: 5230.097+/-676.942 χ^2/NDF: 7.2/20

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3758.993+/-632.567 χ^2/NDF: 16.1/24

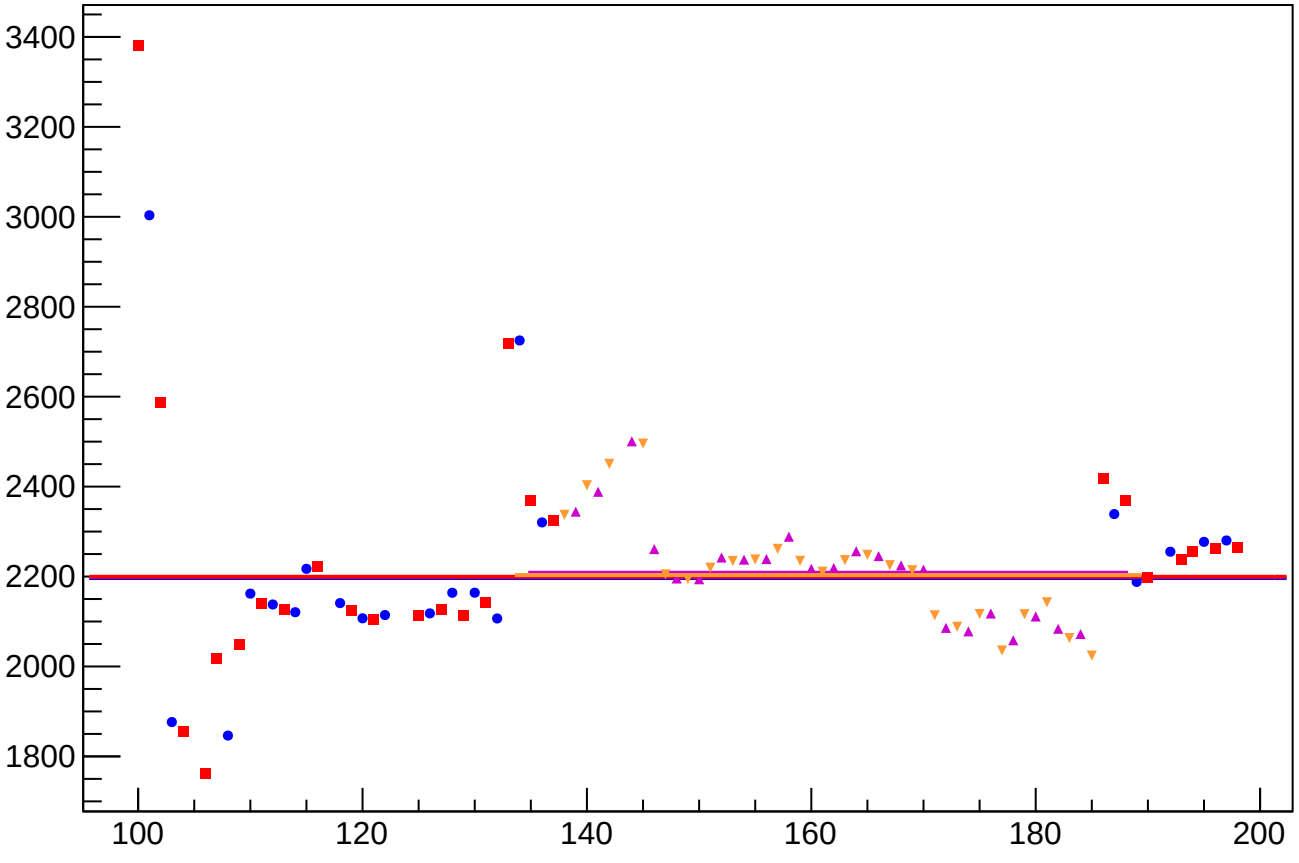
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3609.775+/-408.364 χ^2/NDF: 47.0/44

All: -561.007+/-285.736 χ^2/NDF: 285.0/92

- sign -4561.717+/-399.951 χ^2/NDF: 33.7/47

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2196.644+/-0.479 χ^2/NDF: 205201.4/20

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

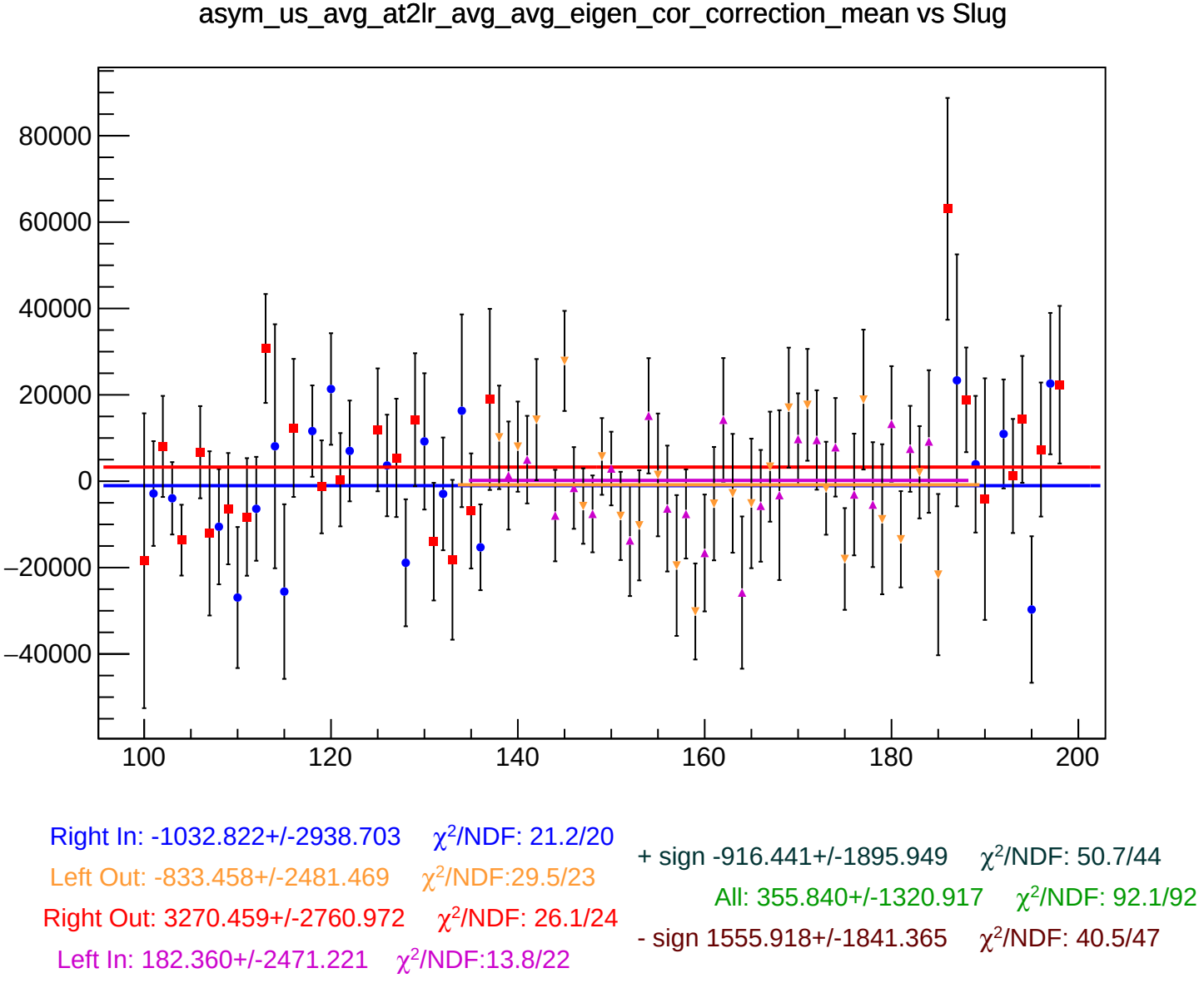
Right Out: 2199.453+/-0.446 χ^2/NDF: 187035.9/24

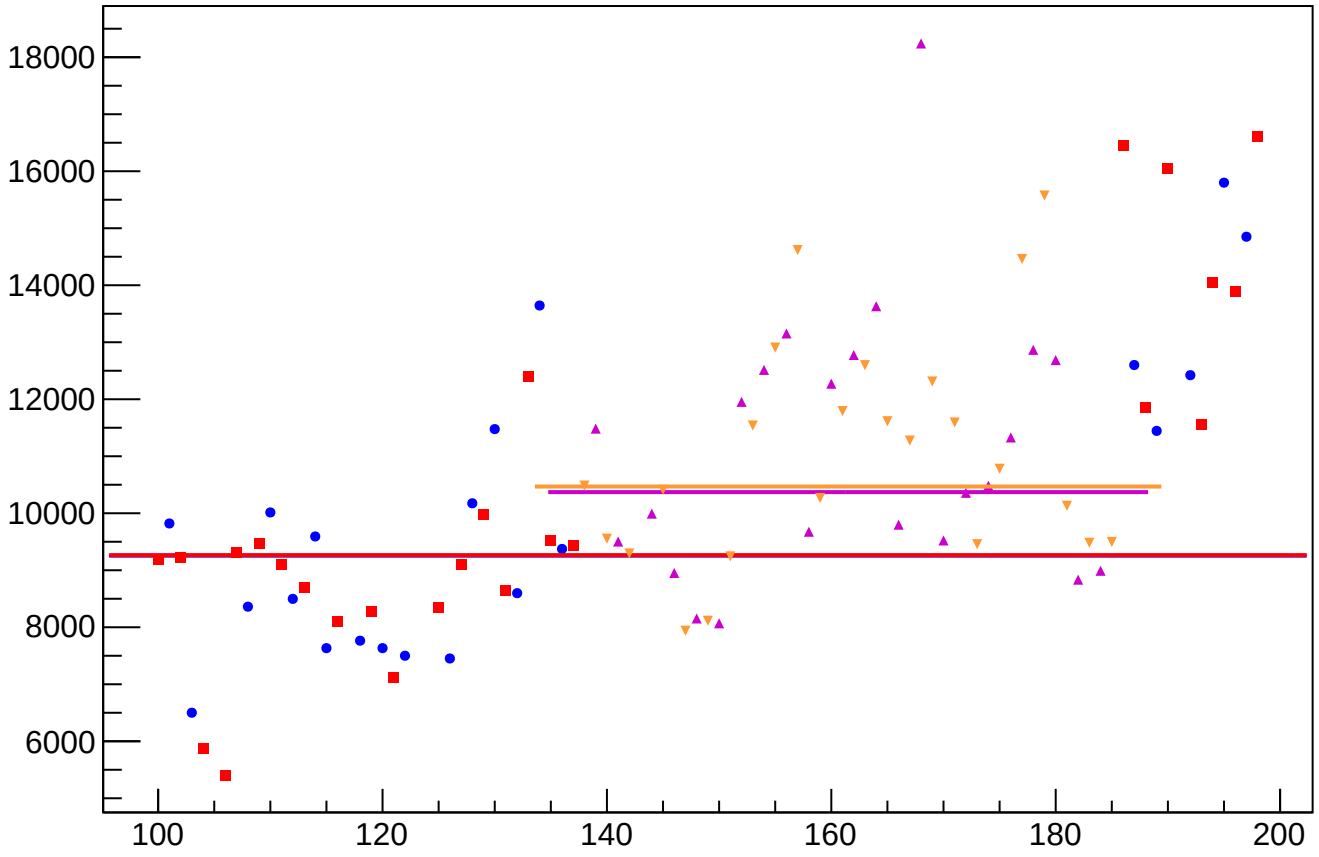
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2200.876+/-0.289 χ^2/NDF: 293532.6/44

All: 2202.880+/-0.202 χ^2/NDF: 561897.0/92

- sign 2204.798+/-0.282 χ^2/NDF: 268270.1/47


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: -1032.822+/-2938.703 χ²/NDF: 21.2/20
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: 3270.459+/-2760.972 χ²/NDF: 26.1/24
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -916.441+/-1895.949 χ²/NDF: 50.7/44
All: 355.840+/-1320.917 χ²/NDF: 92.1/92
- sign 1555.918+/-1841.365 χ²/NDF: 40.5/47



Right In: 9257.638+/-2.078 χ^2/NDF: 1270121.0/20

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

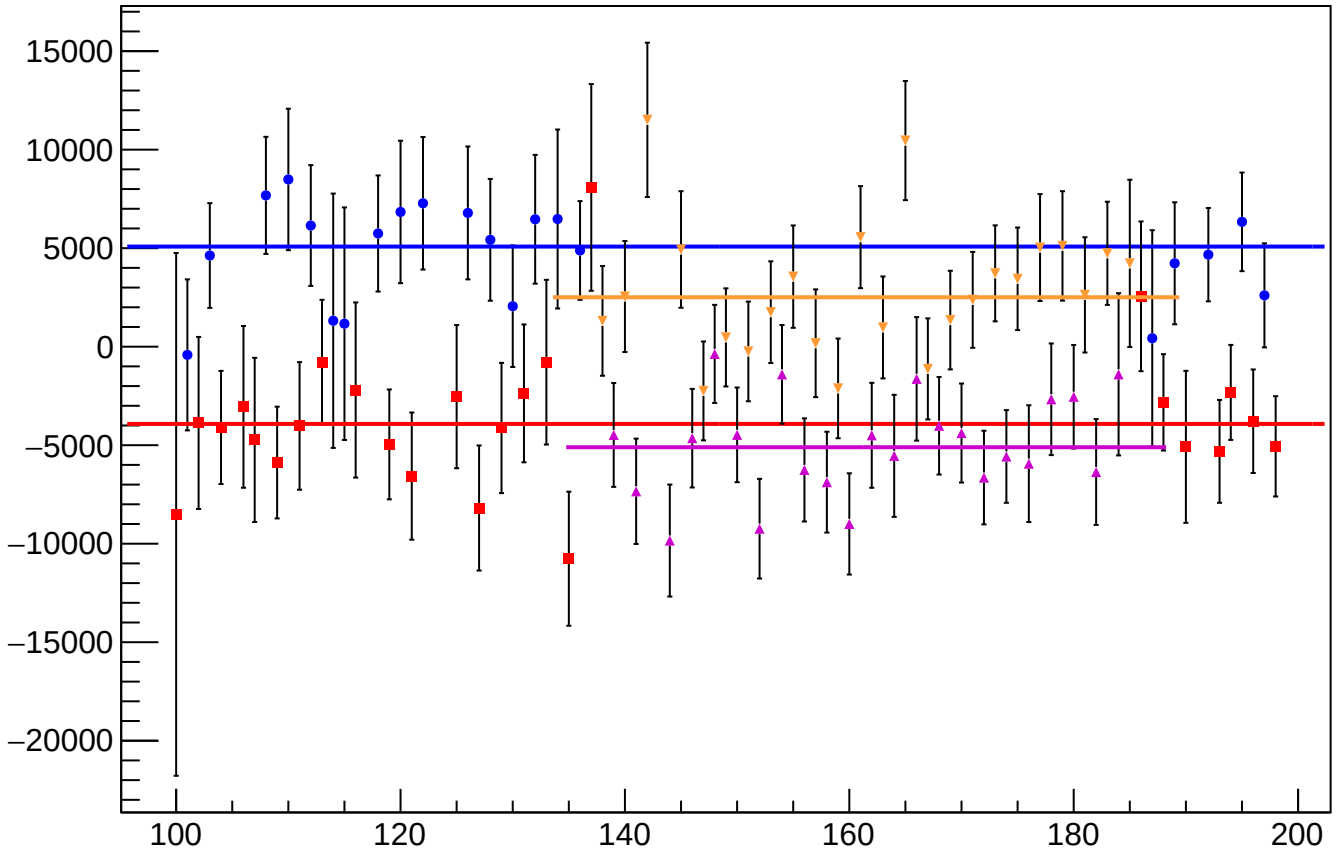
Right Out: 9263.850+/-1.952 χ^2/NDF: 1928884.2/24

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9964.596+/-1.341 χ^2/NDF: 2513655.3/44

All: 9920.284+/-0.934 χ^2/NDF: 5826946.1/92

- sign 9878.486+/-1.302 χ^2/NDF: 3311167.8/47



Right In: 5080.549+/-697.140 χ^2/NDF: 8.8/20

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3920.032+/-653.546 χ^2/NDF: 18.8/24

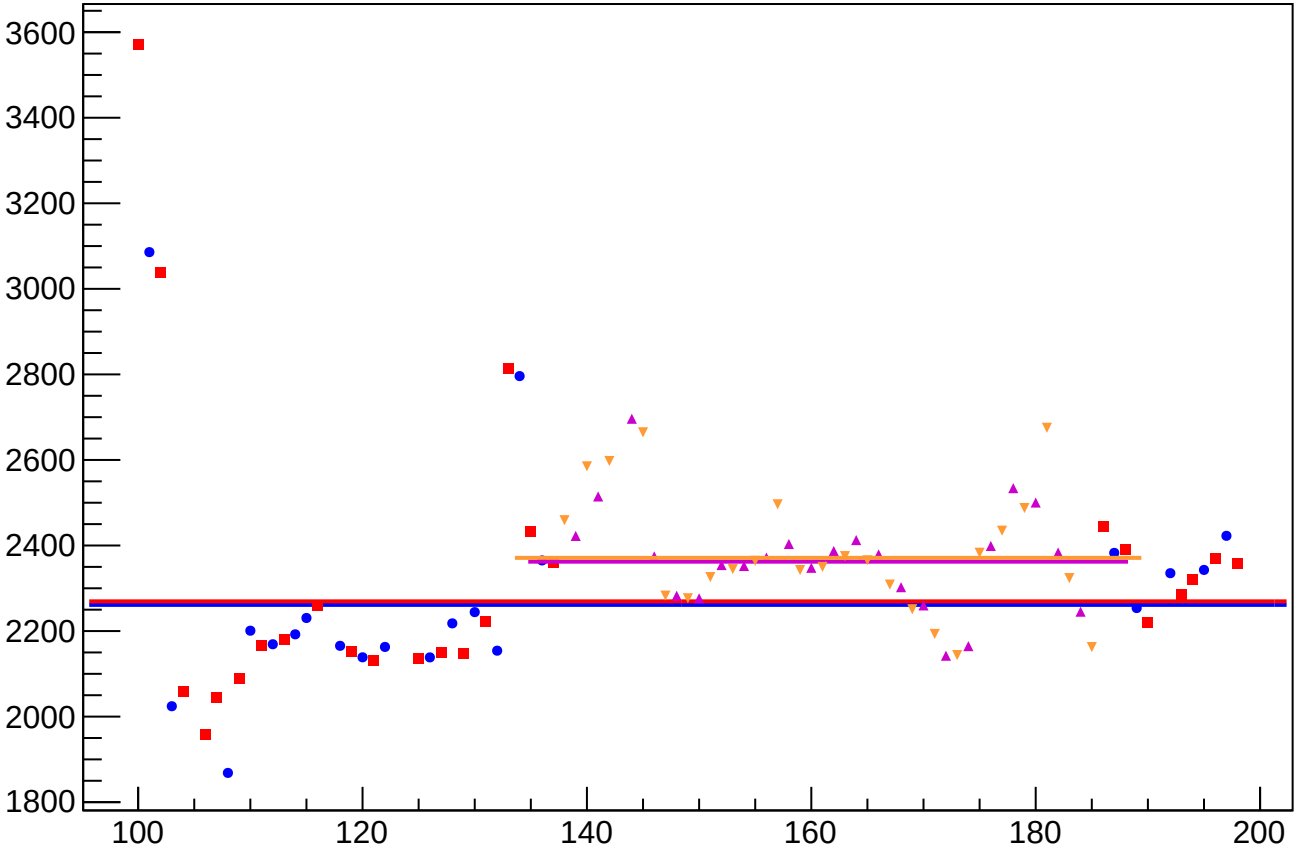
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3499.066+/-432.571 χ^2/NDF: 47.0/44

All: -656.001+/-302.055 χ^2/NDF: 267.6/92

- sign -4609.848+/-421.967 χ^2/NDF: 40.6/47

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.219+/-0.493 χ^2/NDF: 201091.9/20

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

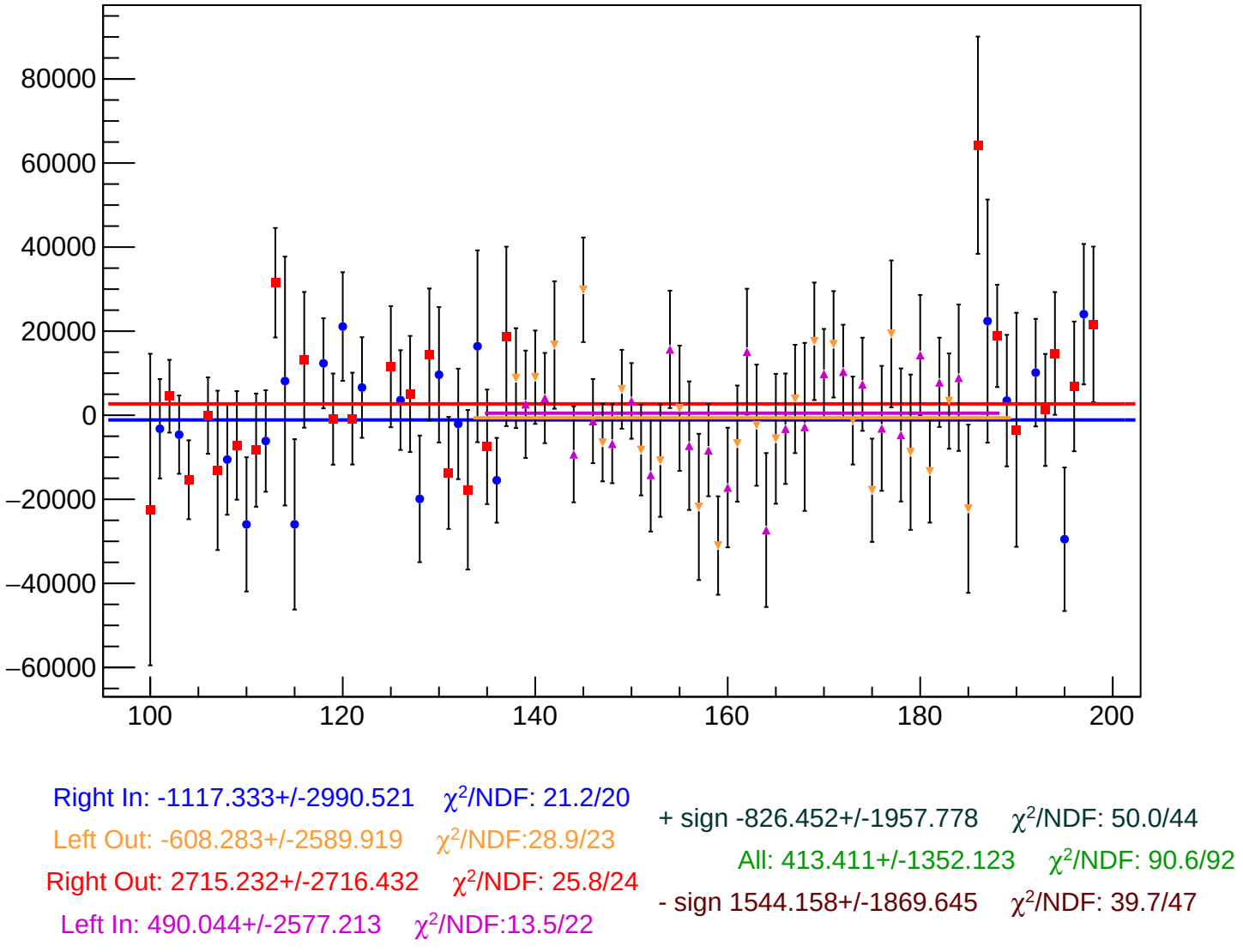
Right Out: 2269.437+/-0.462 χ^2/NDF: 192251.9/24

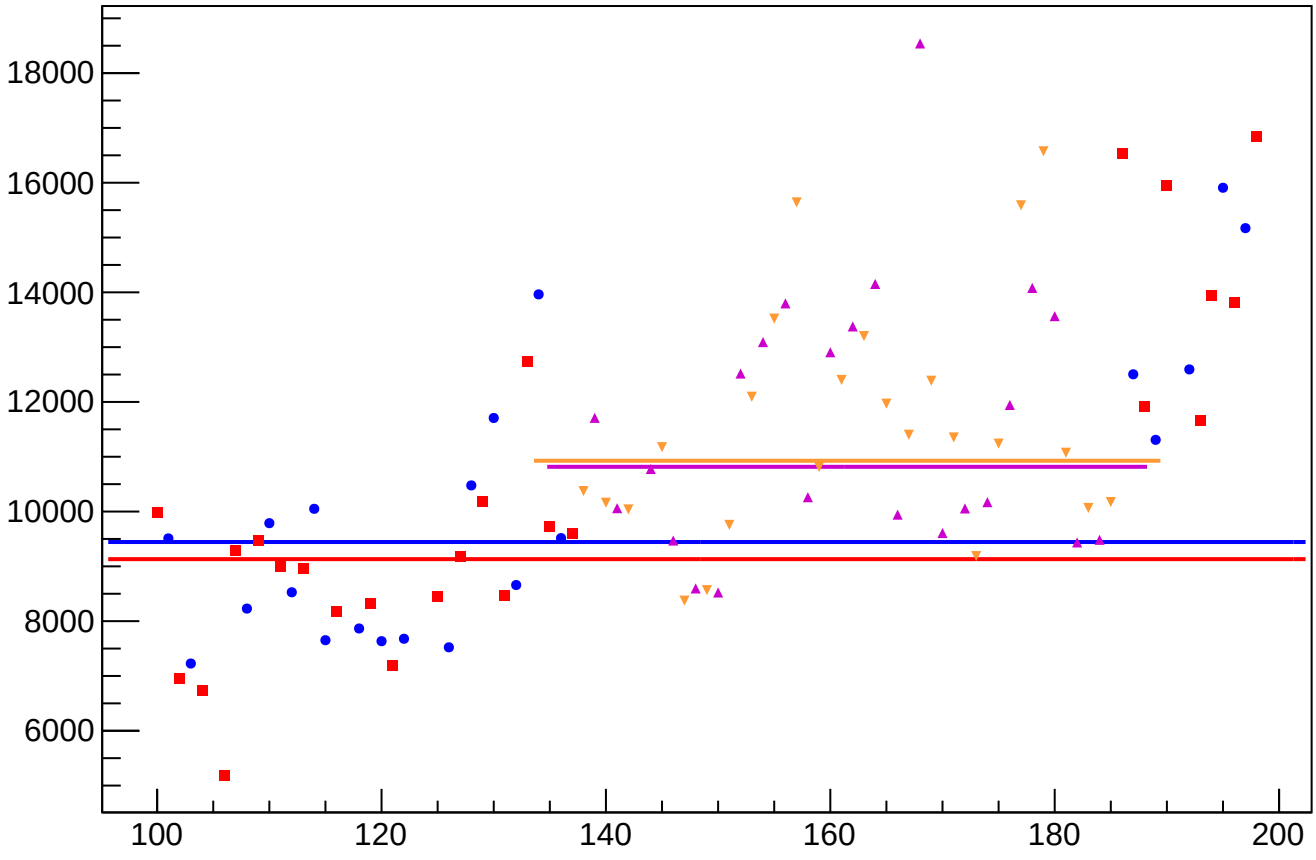
Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2328.817+/-0.306 χ^2/NDF: 347965.0/44

All: 2326.104+/-0.214 χ^2/NDF: 655782.2/92

- sign 2323.523+/-0.298 χ^2/NDF: 307663.8/47


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: -1117.333+/-2990.521 χ²/NDF: 21.2/20
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: 2715.232+/-2716.432 χ²/NDF: 25.8/24
Left In: 490.044+/-2577.213 χ²/NDF:13.5/22
+ sign -826.452+/-1957.778 χ²/NDF: 50.0/44
All: 413.411+/-1352.123 χ²/NDF: 90.6/92
- sign 1544.158+/-1869.645 χ²/NDF: 39.7/47



Right In: 9444.112+/-2.115 χ^2/NDF: 1166077.4/20

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

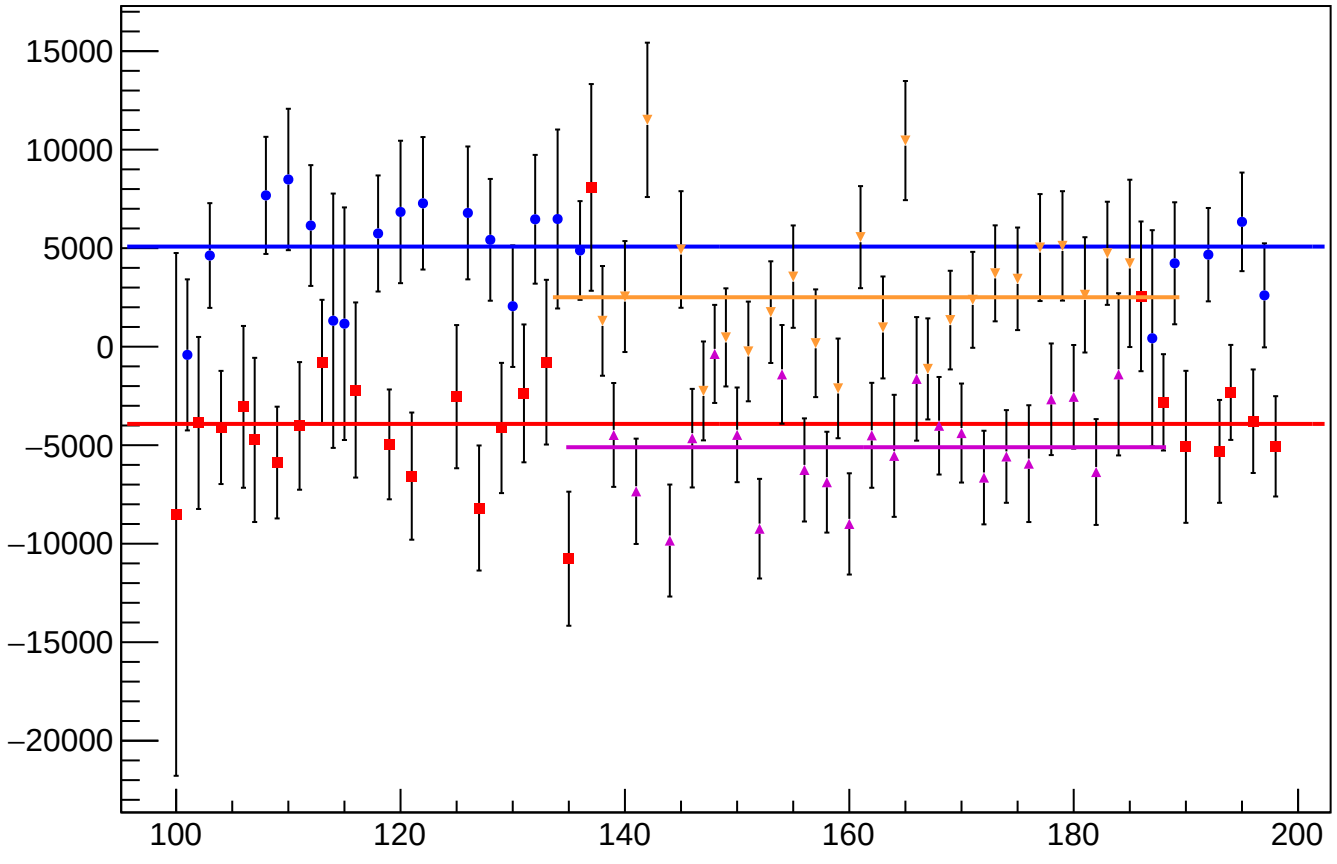
Right Out: 9131.676+/-1.921 χ^2/NDF: 2023183.4/24

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10291.382+/-1.384 χ^2/NDF: 2504356.3/44

All: 10148.542+/-0.956 χ^2/NDF: 6149540.8/9

- sign 10018.272+/-1.322 χ^2/NDF: 3624828.5/47



Right In: 5080.545+/-697.139 χ^2/NDF: 8.8/20

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3920.032+/-653.546 χ^2/NDF: 18.8/24

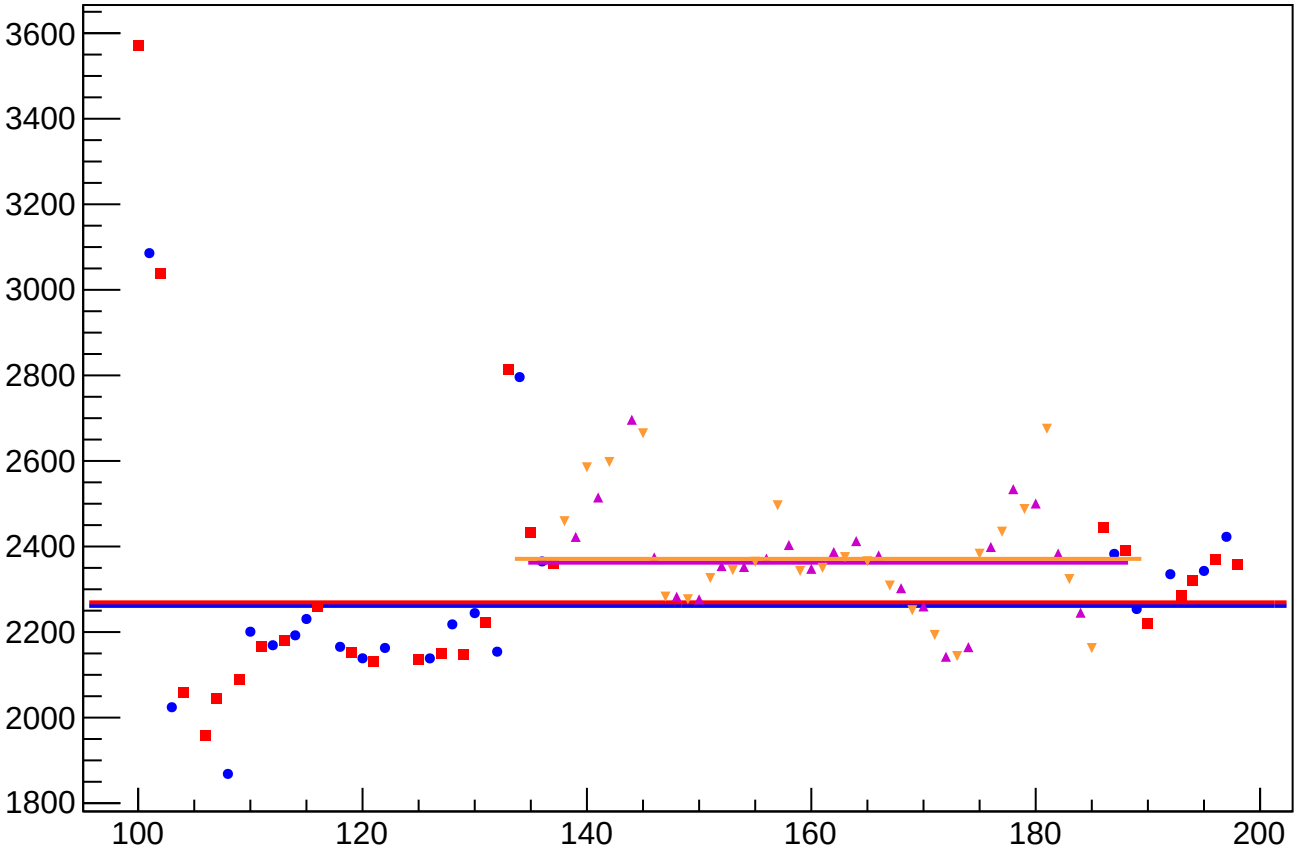
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3499.059+/-432.572 χ^2/NDF: 47.0/44

All: -656.005+/-302.055 χ^2/NDF: 267.6/92

- sign -4609.848+/-421.967 χ^2/NDF: 40.6/47

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.219+/-0.493 χ^2/NDF: 201092.3/20

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

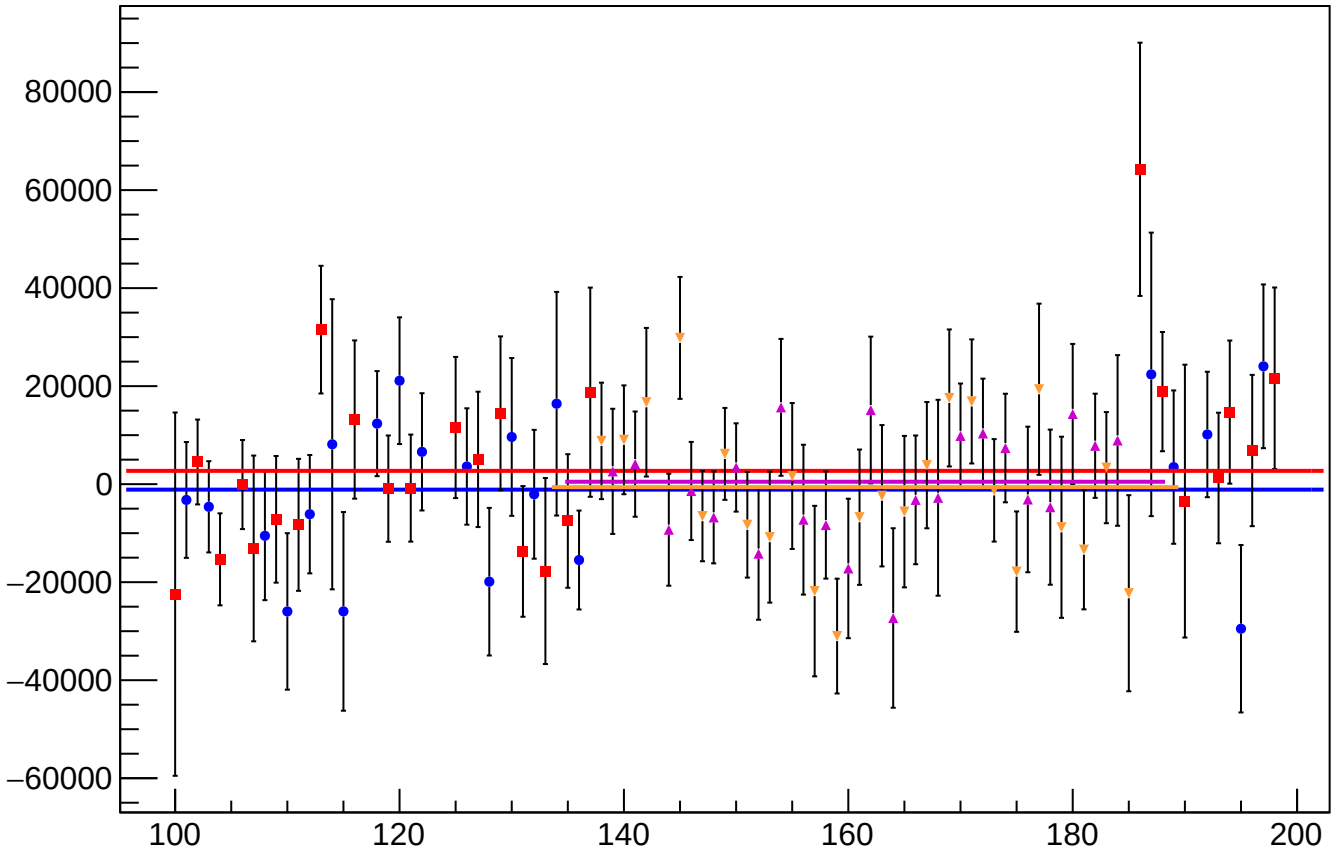
Right Out: 2269.437+/-0.462 χ^2/NDF: 192252.2/24

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2328.819+/-0.306 χ^2/NDF: 347971.9/44

All: 2326.106+/-0.214 χ^2/NDF: 655795.7/92

- sign 2323.525+/-0.298 χ^2/NDF: 307670.4/47



Right In: -1117.317+/-2990.516 χ^2/NDF: 21.2/20

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

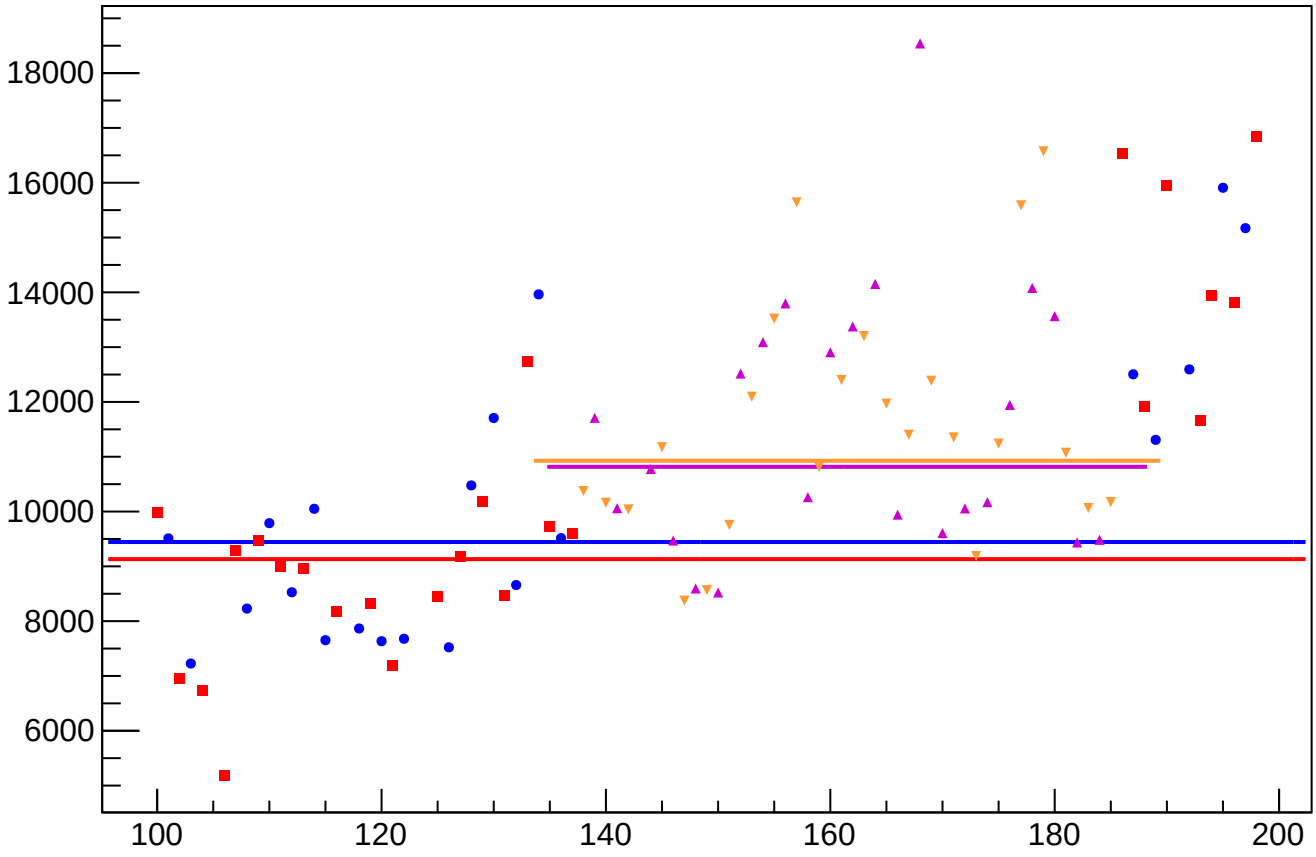
Right Out: 2715.217+/-2716.428 χ^2/NDF: 25.8/24

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -826.451+/-1957.778 χ^2/NDF: 50.0/44

All: 413.410+/-1352.123 χ^2/NDF: 90.6/92

- sign 1544.155+/-1869.646 χ^2/NDF: 39.7/47



Right In: 9444.092+/-2.115 χ^2/NDF: 1166090.6/20

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9131.659+/-1.921 χ^2/NDF: 2023194.4/24

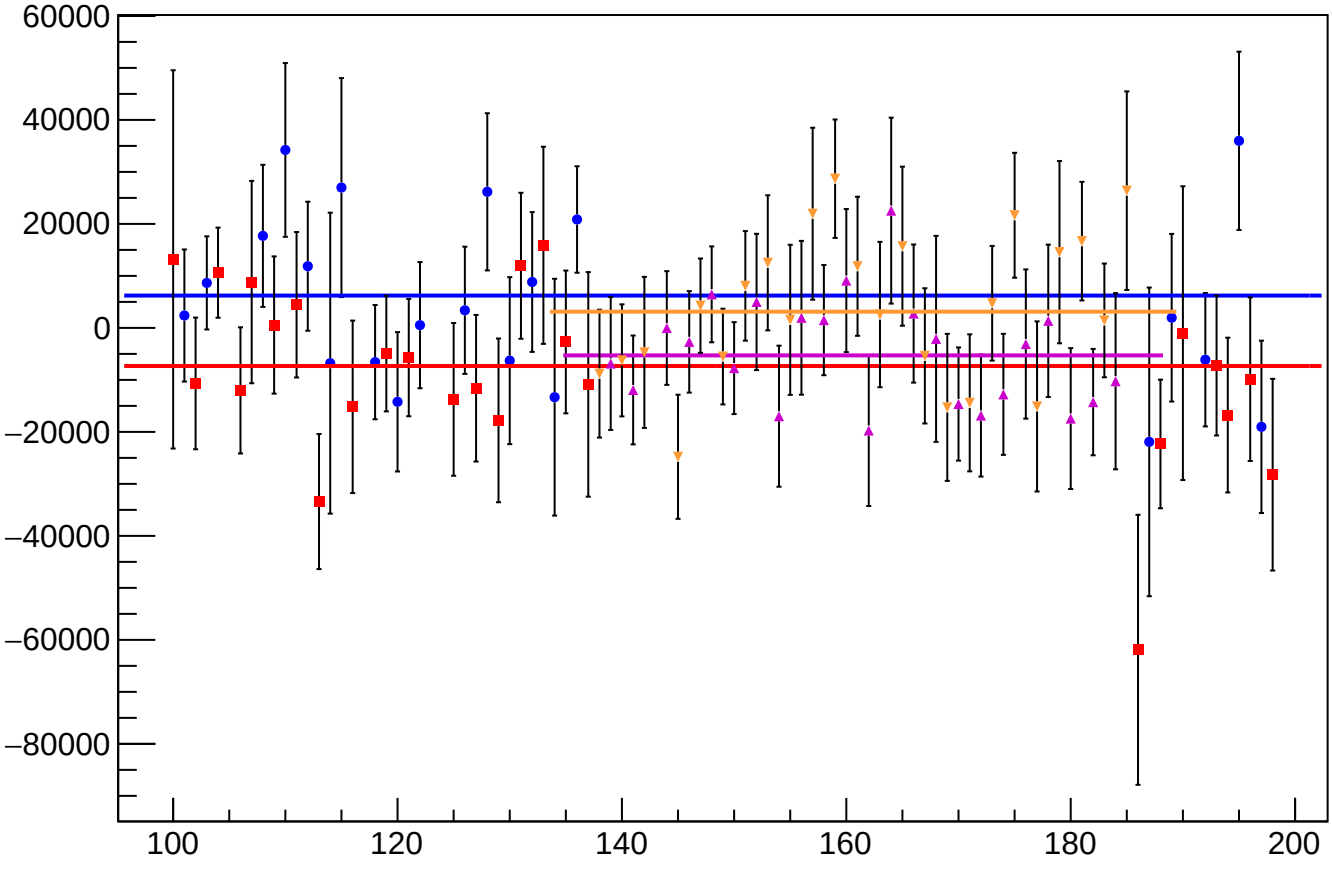
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10291.381+/-1.384 χ^2/NDF: 2504386.3/44

All: 10148.540+/-0.956 χ^2/NDF: 6149601.8/9

- sign 10018.270+/-1.322 χ^2/NDF: 3624859.4/47

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 6216.797+/-3039.582 χ^2/NDF: 21.4/20

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -7333.447+/-2870.033 χ^2/NDF: 22.8/24

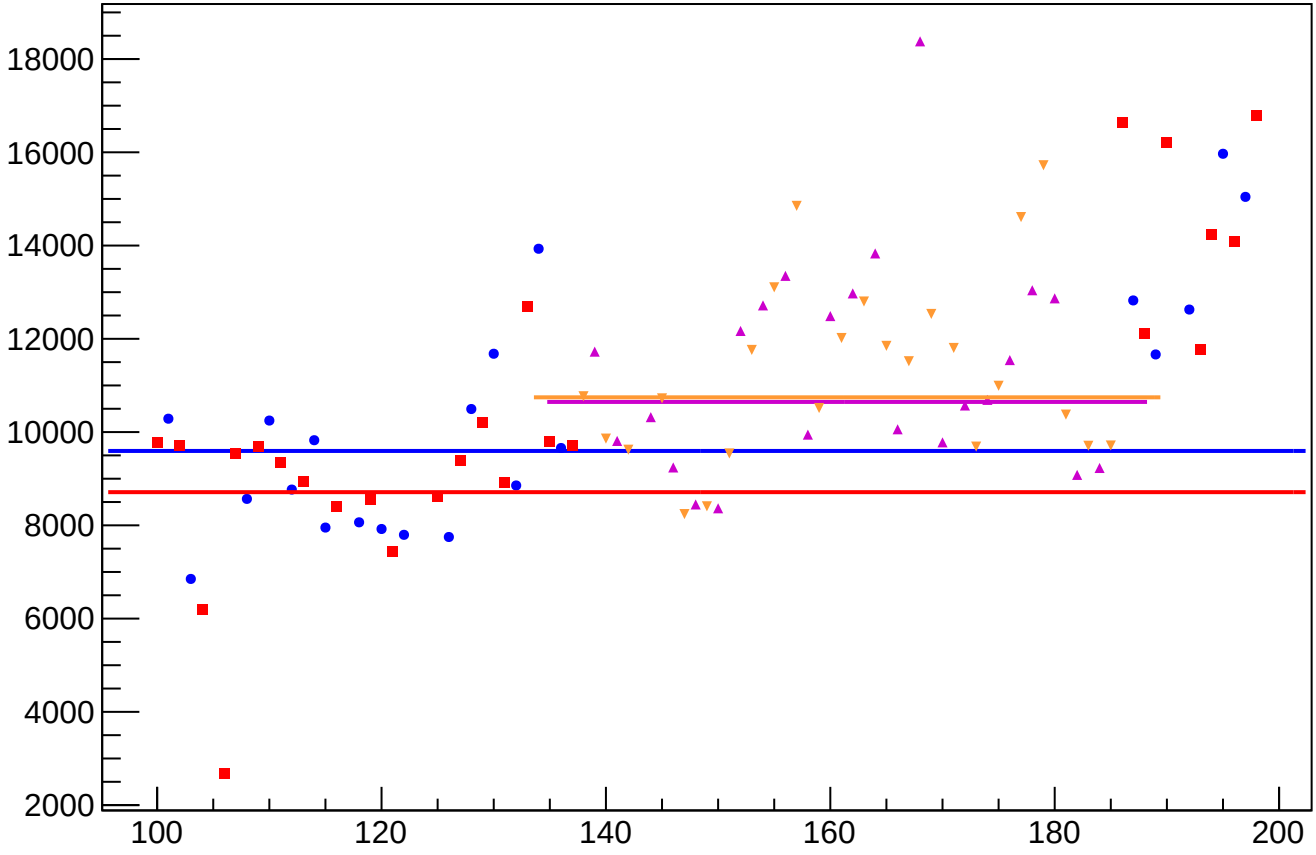
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

\+ sign 4394.516+/-1950.357 χ^2/NDF: 49.5/44

All: -1036.070+/-1360.639 χ^2/NDF: 101.0/92

\- sign -6185.152+/-1899.134 χ^2/NDF: 36.4/47

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 9595.263+/-2.149 χ^2/NDF: 1169248.6/20

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

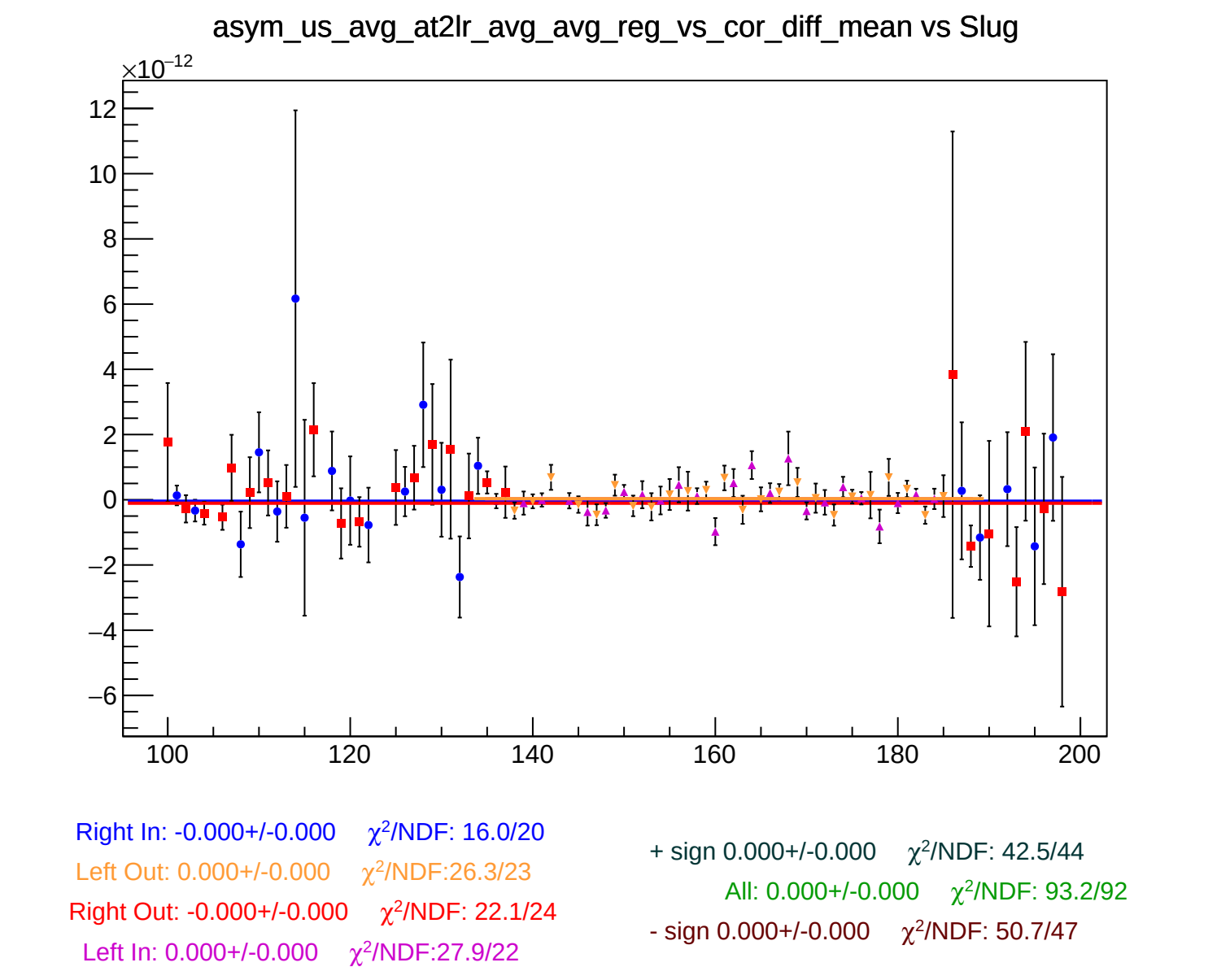
Right Out: 8711.549+/-1.913 χ^2/NDF: 3440332.9/24

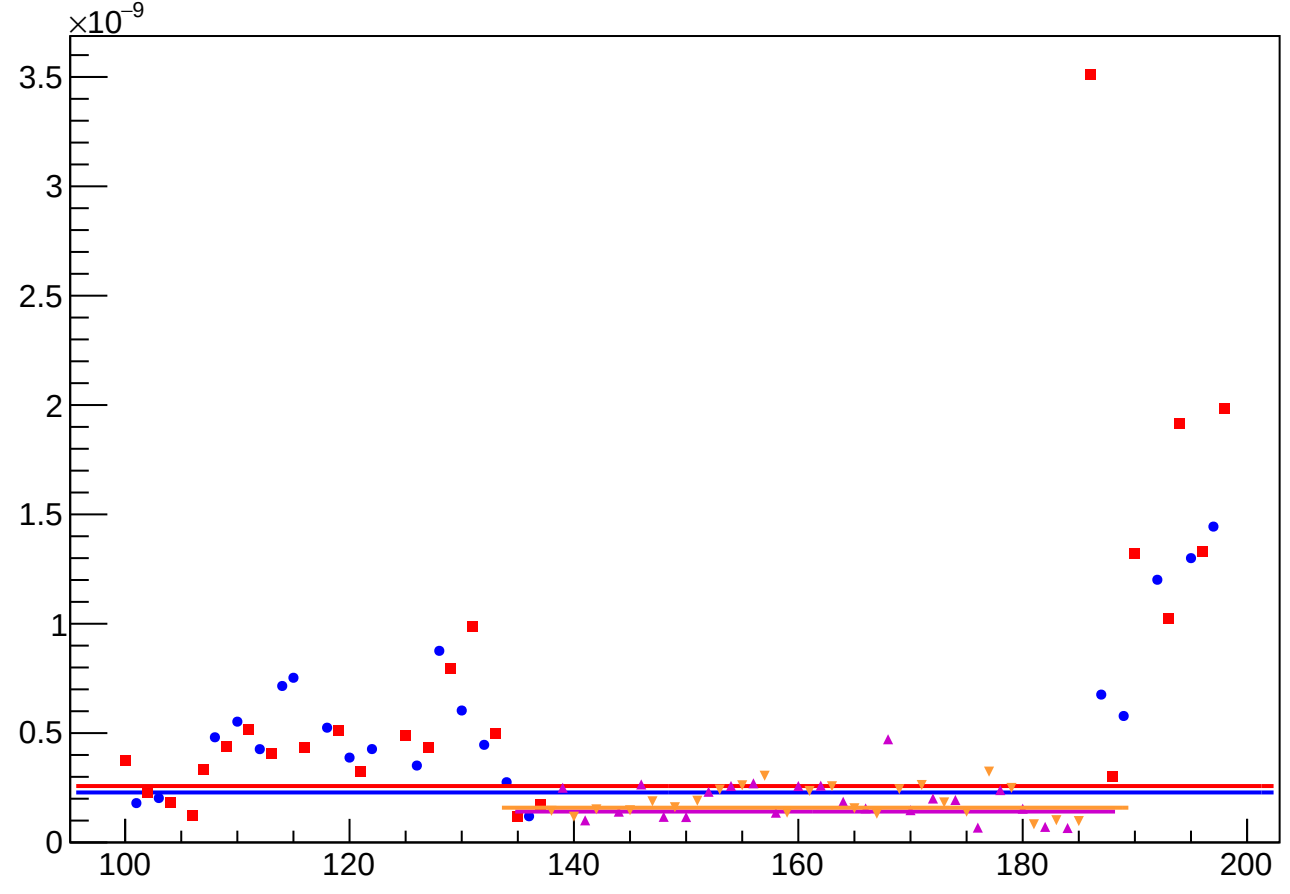
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10271.821+/-1.379 χ^2/NDF: 2302304.4/44

All: 9993.008+/-0.949 χ^2/NDF: 7479569.7/92

- sign 9742.449+/-1.307 χ^2/NDF: 5099662.1/47


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: 16.0/20
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.1/24
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 42.5/44
All: 0.000+/-0.000 χ²/NDF: 93.2/92
- sign 0.000+/-0.000 χ²/NDF: 50.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3373750.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

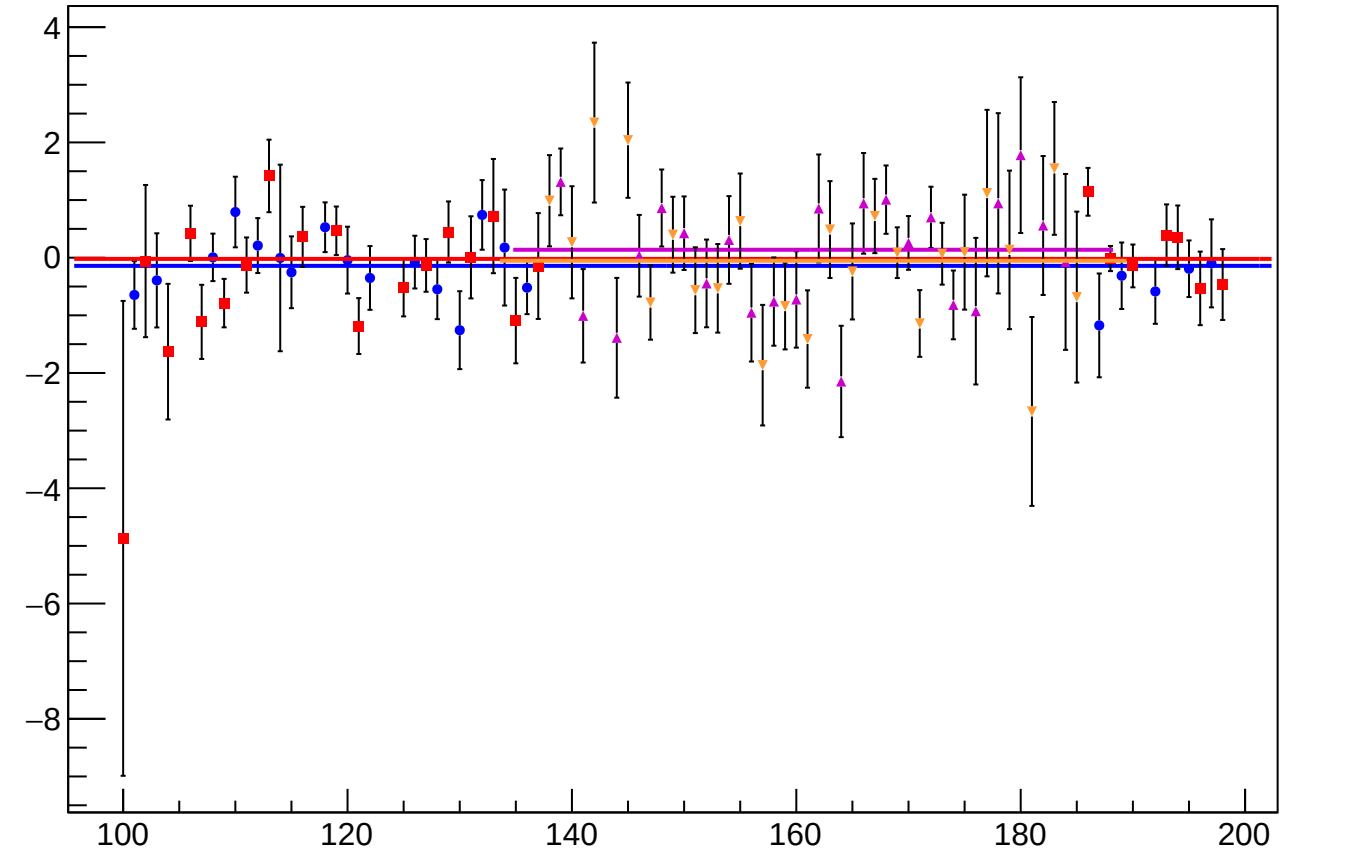
Right Out: 0.000+/-0.000 χ^2/NDF: 4354723.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5078443.1/44

All: 0.000+/-0.000 χ^2/NDF: 12919942.3/92

- sign 0.000+/-0.000 χ^2/NDF: 7784220.4/47



Right In: -0.142+/-0.125 χ^2/NDF: 14.8/20

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

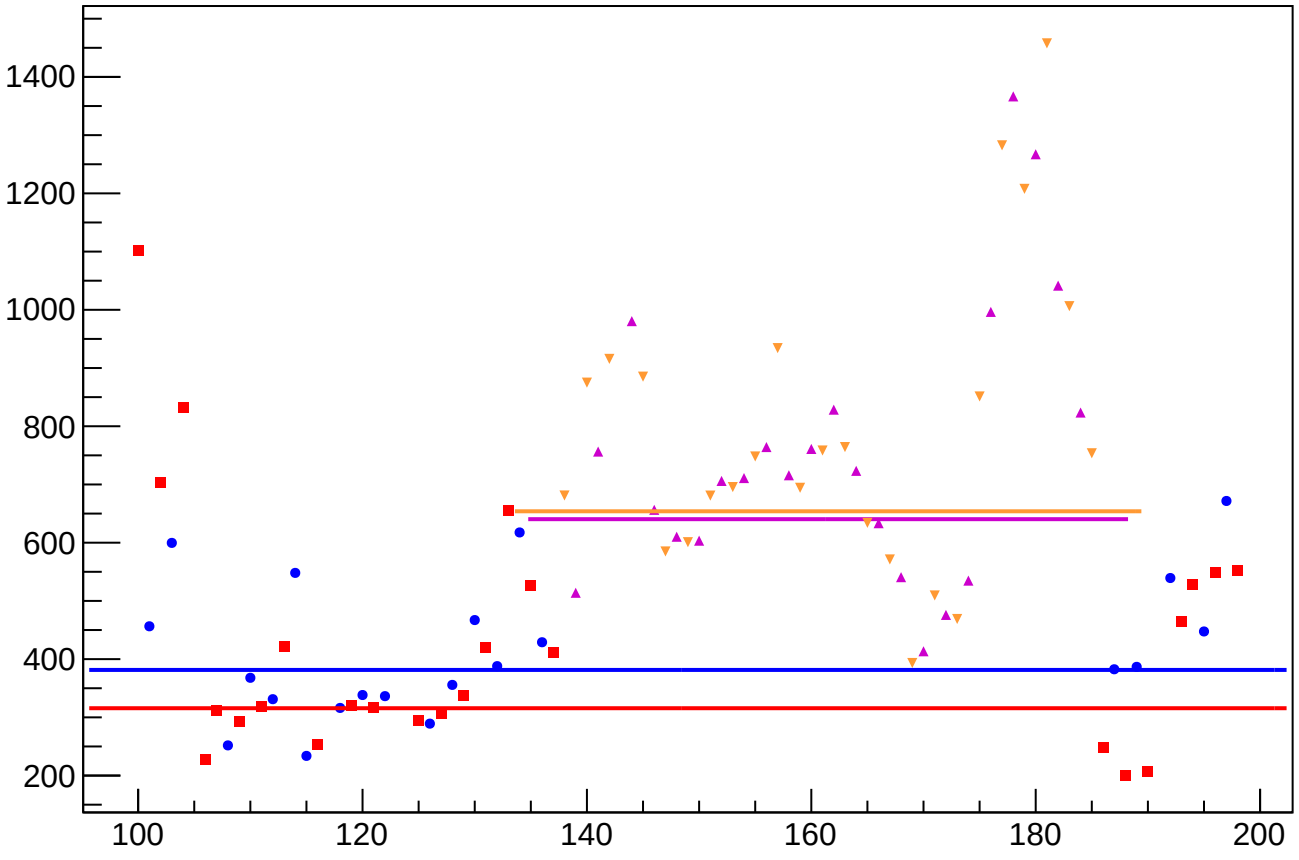
Right Out: -0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/44

All: -0.032+/-0.064 χ^2/NDF: 114.8/92

- sign 0.025+/-0.085 χ^2/NDF: 68.6/47



Right In: 381.452+/-0.088 χ^2/NDF: 1334024.3/20

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

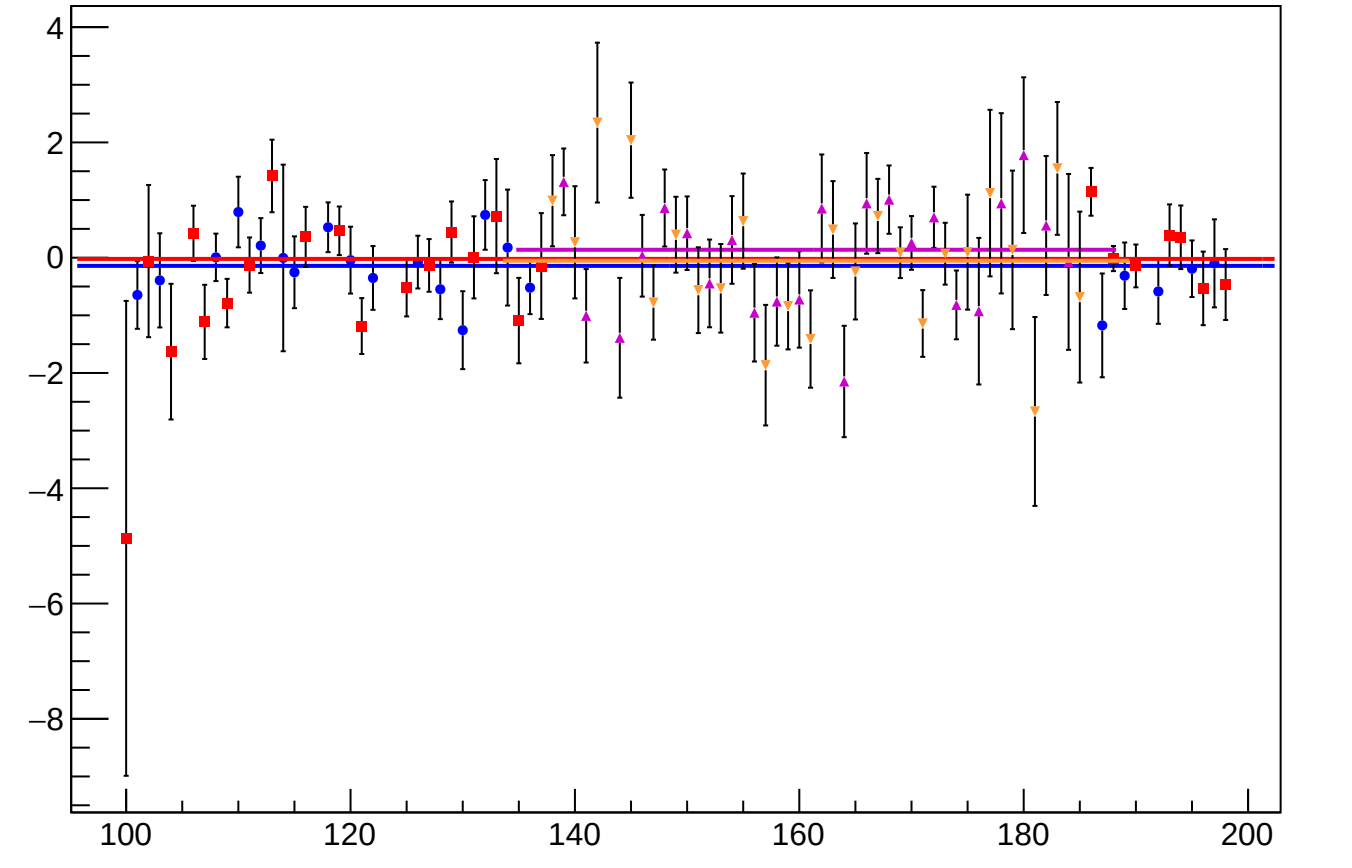
Right Out: 315.692+/-0.071 χ^2/NDF: 3065710.2/24

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 483.299+/-0.070 χ^2/NDF: 8031281.4/44

All: 440.995+/-0.046 χ^2/NDF: 20398549.8/92

- sign 409.639+/-0.060 χ^2/NDF: 11726628.3/47



Right In: -0.142+/-0.125 χ^2/NDF: 14.8/20

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

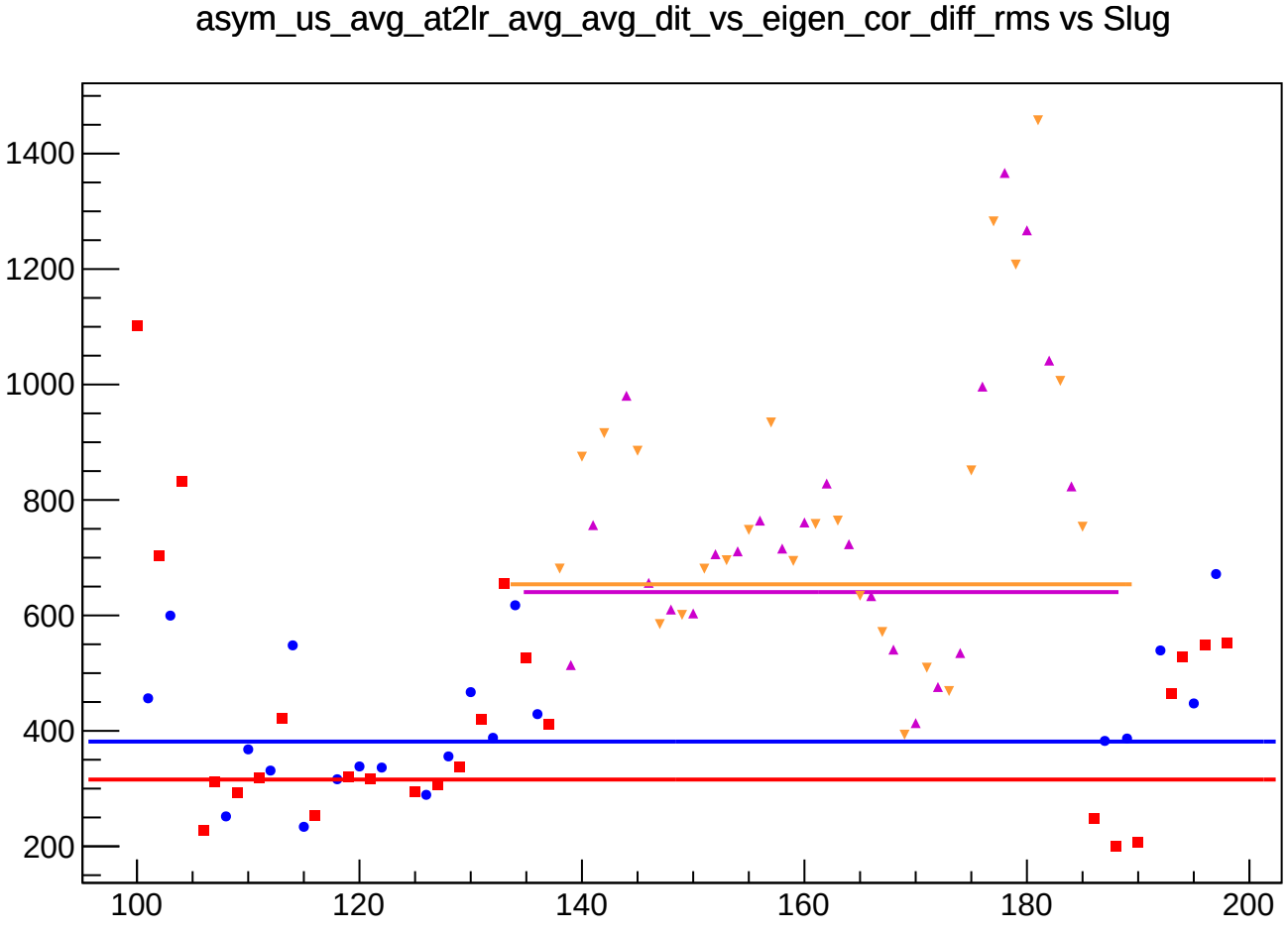
Right Out: -0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/44

All: -0.032+/-0.064 χ^2/NDF: 114.8/92

- sign 0.025+/-0.085 χ^2/NDF: 68.6/47



Right In: 381.452+/-0.088 χ^2/NDF: 1334024.3/20

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

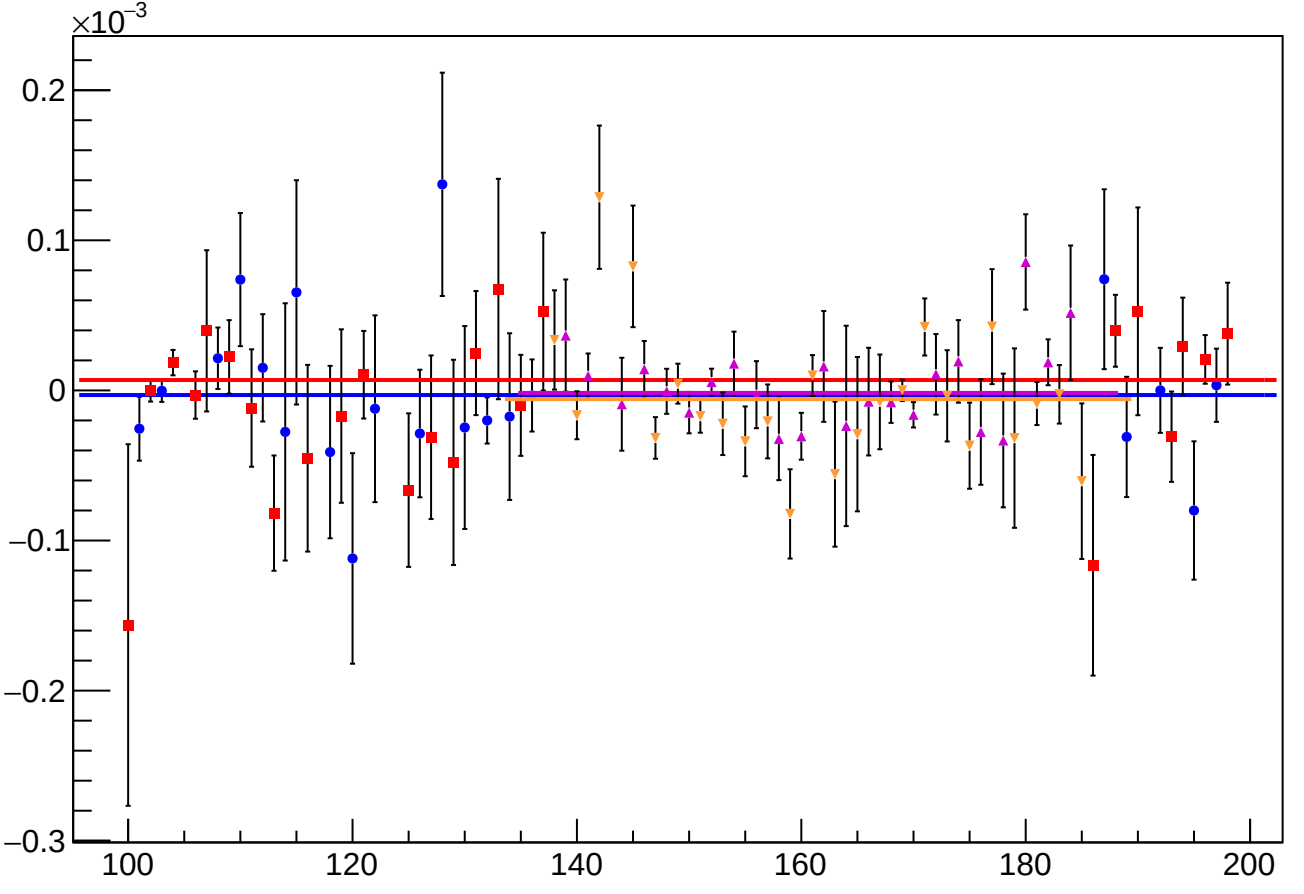
Right Out: 315.692+/-0.071 χ^2/NDF: 3065710.2/24

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 483.299+/-0.070 χ^2/NDF: 8031281.4/44

All: 440.995+/-0.046 χ^2/NDF: 20398549.8/92

- sign 409.639+/-0.060 χ^2/NDF: 11726628.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

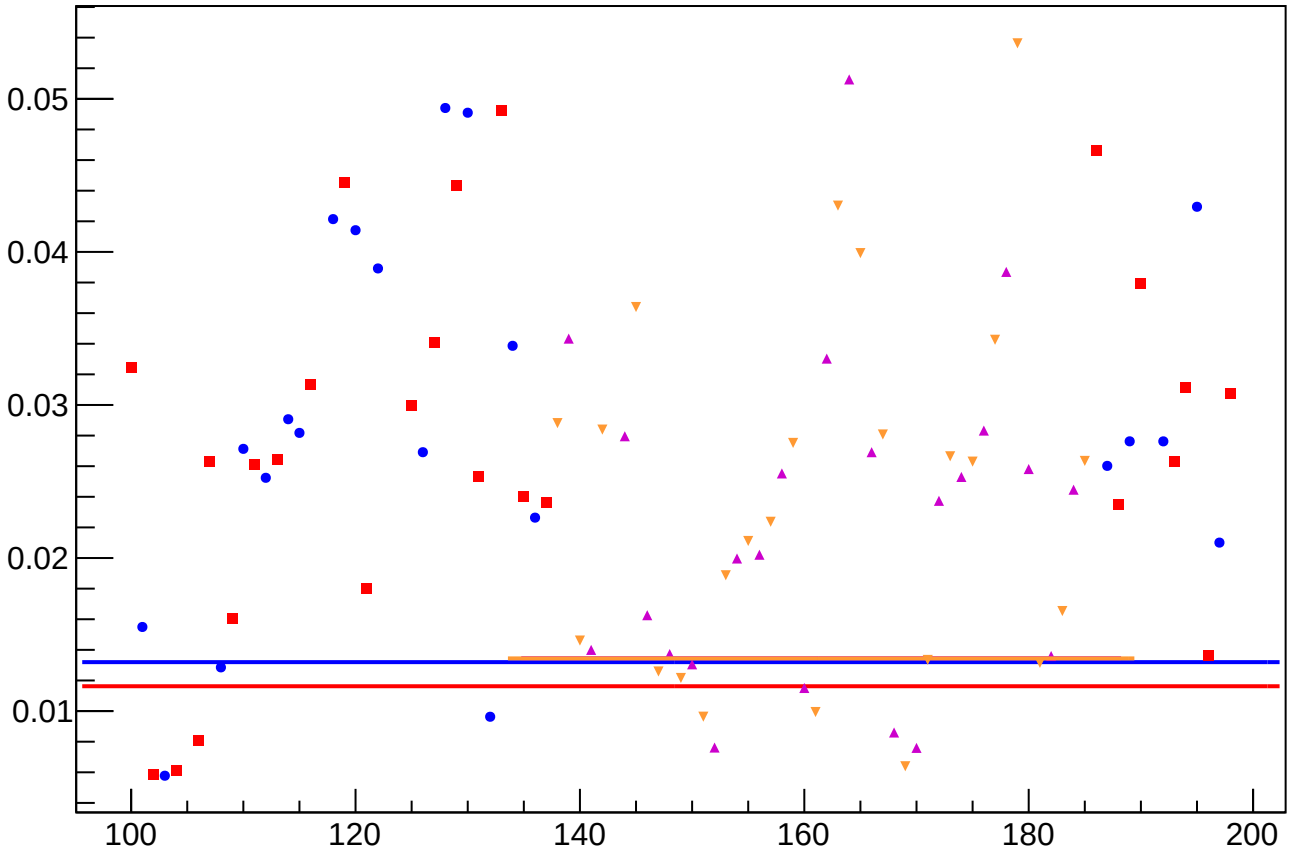
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/24

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.8/44

All: -0.000+/-0.000 χ^2/NDF: 119.5/92

- sign 0.000+/-0.000 χ^2/NDF: 53.9/47



Right In: 0.013+/-0.000 χ^2/NDF: 7615271.8/20

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

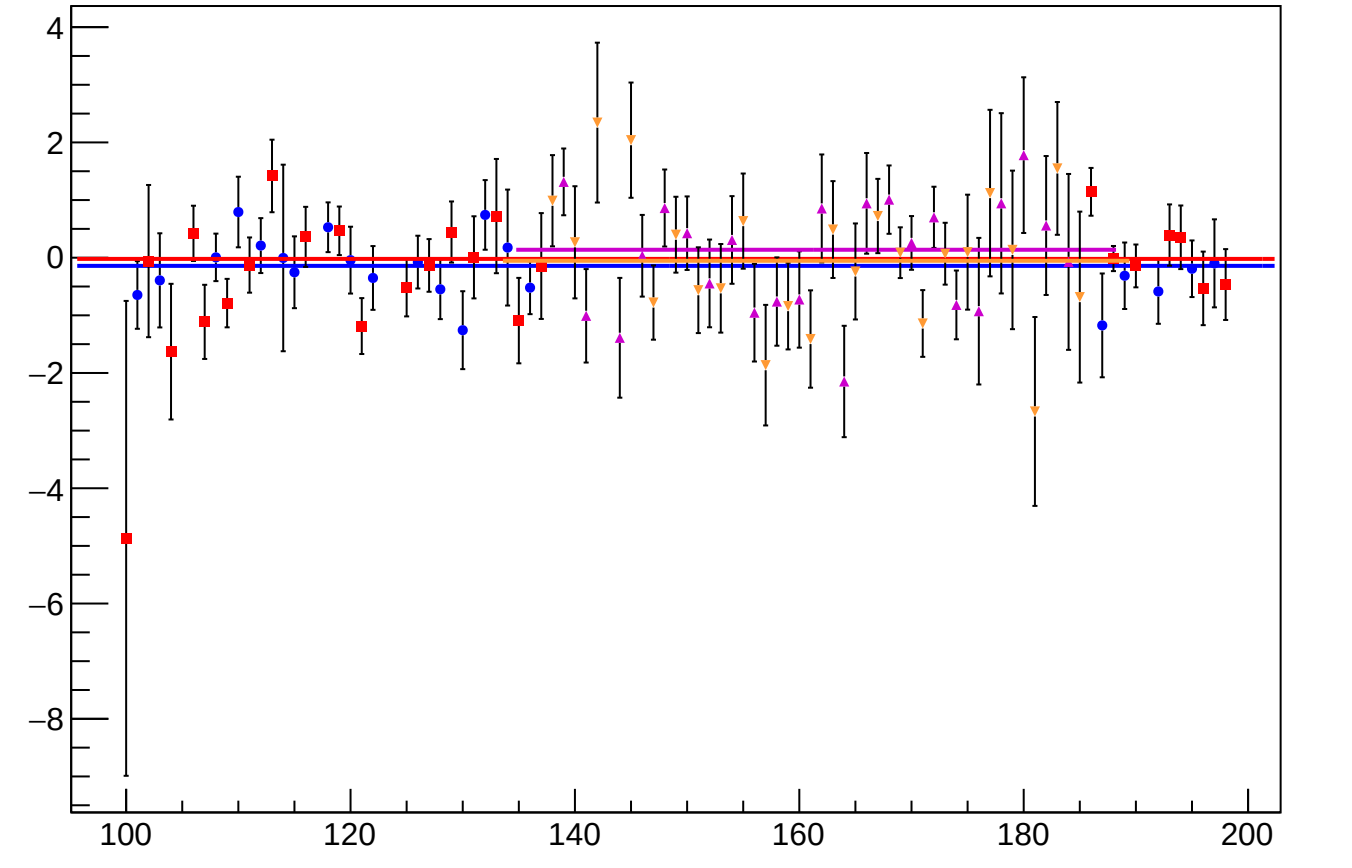
Right Out: 0.012+/-0.000 χ^2/NDF: 9260450.4/24

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.013+/-0.000 χ^2/NDF: 16474364.7/44

All: 0.013+/-0.000 χ^2/NDF: 33544865.0/92

- sign 0.013+/-0.000 χ^2/NDF: 17015198.6/47



Right In: -0.142+/-0.125 χ^2/NDF: 14.8/20

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

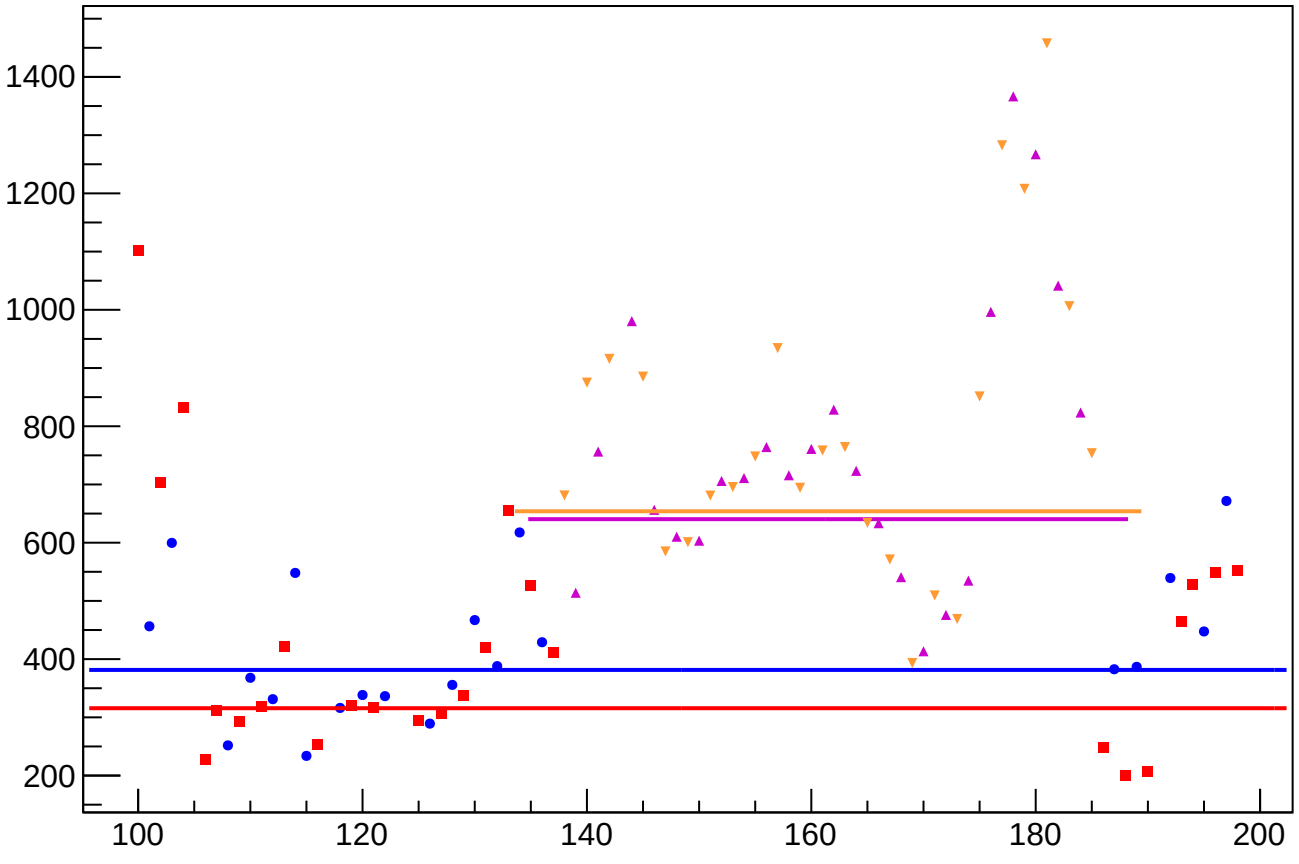
Right Out: -0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/44

All: -0.032+/-0.064 χ^2/NDF: 114.8/92

- sign 0.025+/-0.085 χ^2/NDF: 68.6/47



Right In: 381.451+/-0.088 χ^2/NDF: 1333989.8/20

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

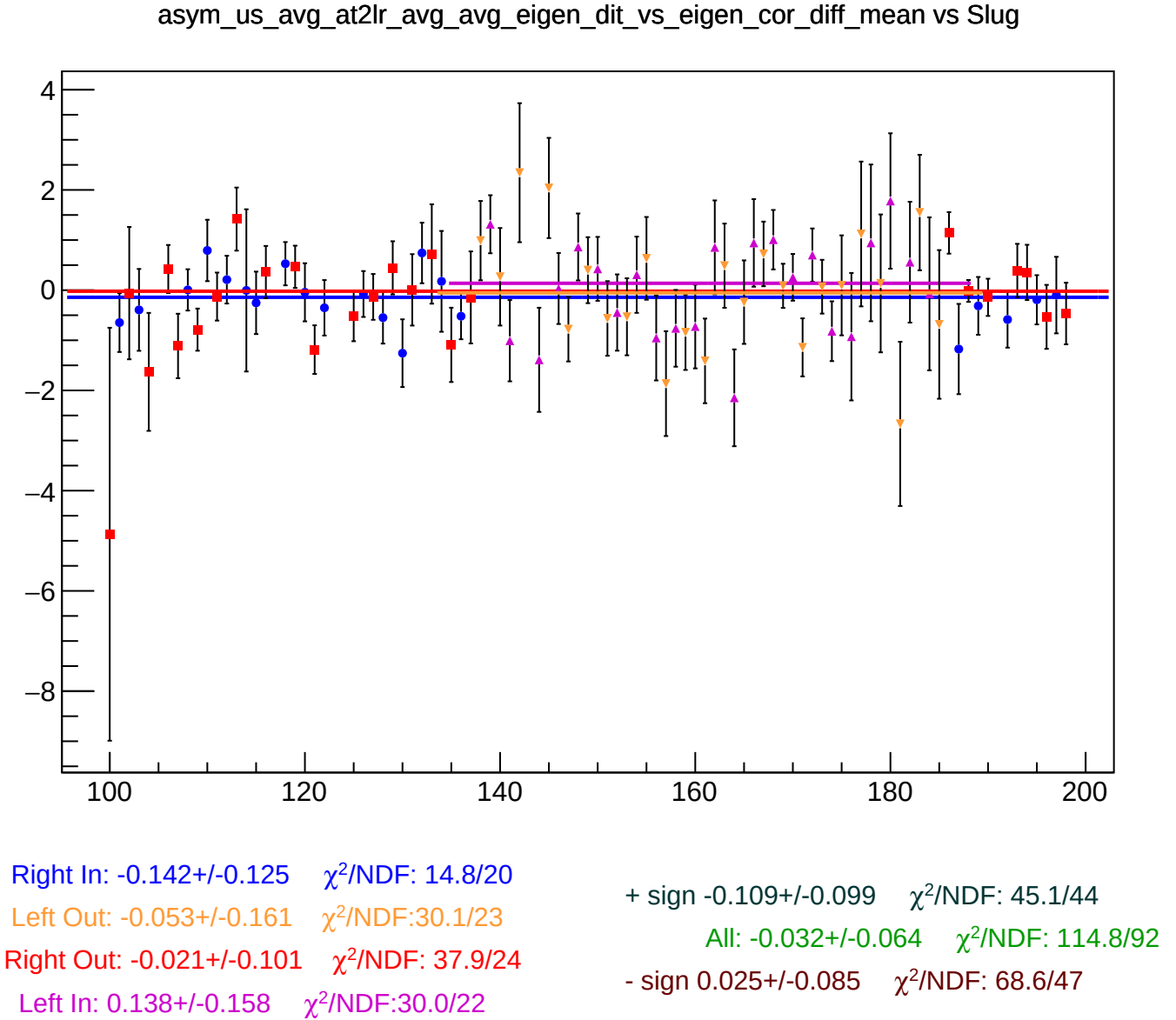
Right Out: 315.686+/-0.071 χ^2/NDF: 3065867.6/24

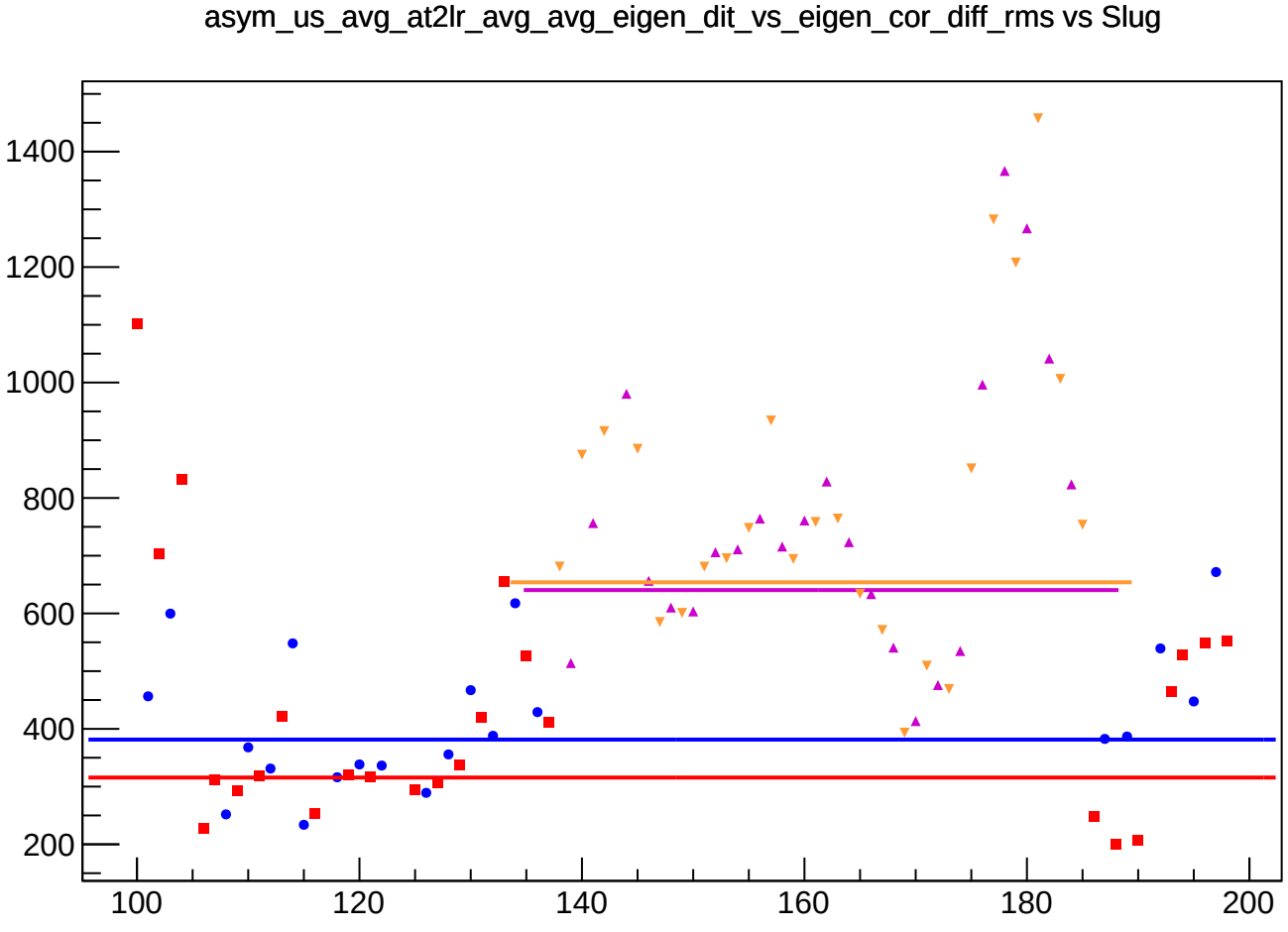
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 483.297+/-0.070 χ^2/NDF: 8031493.7/44

All: 440.990+/-0.046 χ^2/NDF: 20399501.7/92

- sign 409.632+/-0.060 χ^2/NDF: 11727271.5/47


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.142+/-0.125 χ²/NDF: 14.8/20
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: -0.021+/-0.101 χ²/NDF: 37.9/24
Left In: 0.138+/-0.158 χ²/NDF:30.0/22
+ sign -0.109+/-0.099 χ²/NDF: 45.1/44
All: -0.032+/-0.064 χ²/NDF: 114.8/92
- sign 0.025+/-0.085 χ²/NDF: 68.6/47



Right In: 381.451+/-0.088 χ^2/NDF: 1333989.8/20

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

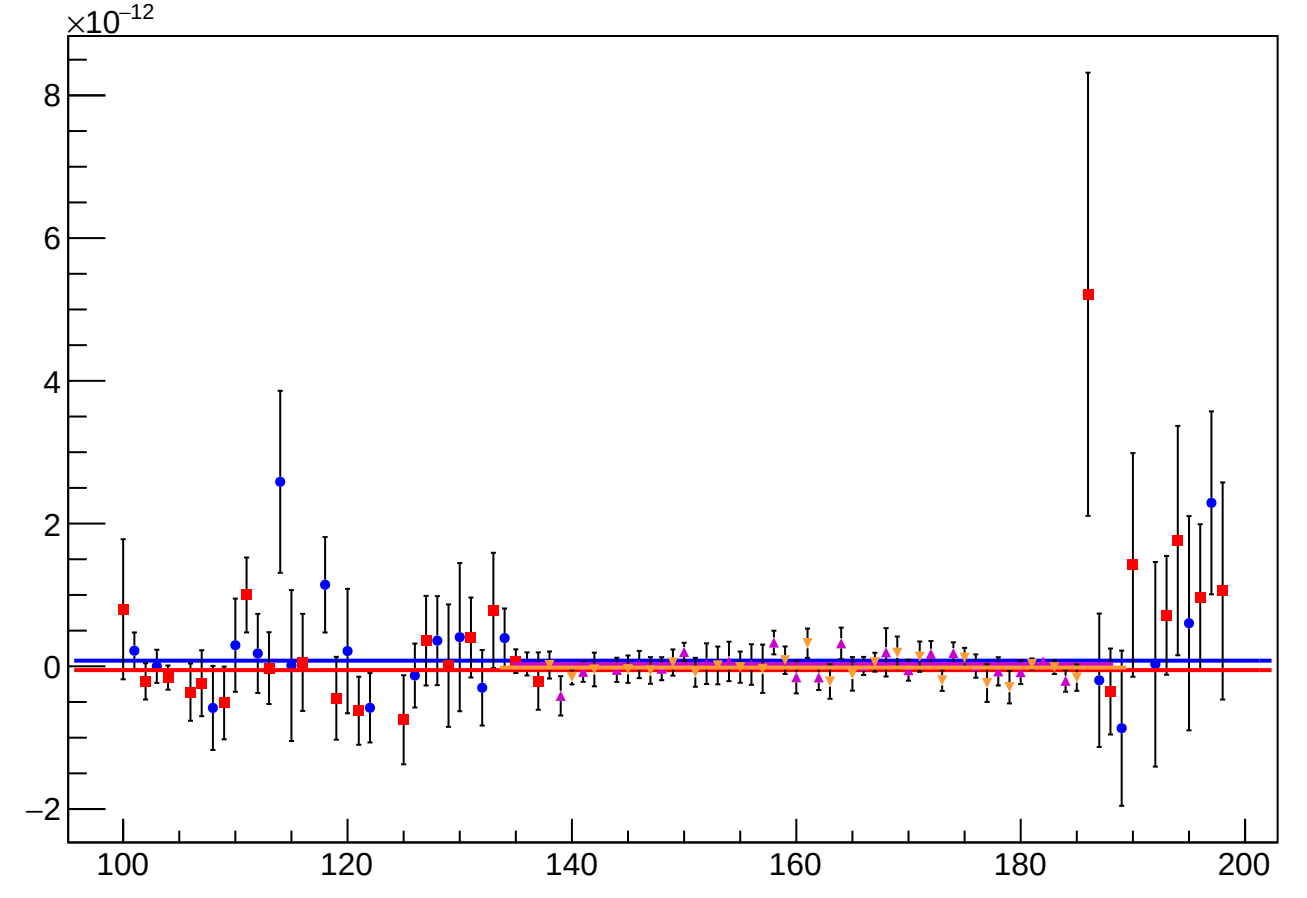
Right Out: 315.686+/-0.071 χ^2/NDF: 3065867.6/24

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 483.297+/-0.070 χ^2/NDF: 8031493.7/44

All: 440.990+/-0.046 χ^2/NDF: 20399501.7/92

- sign 409.632+/-0.060 χ^2/NDF: 11727271.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

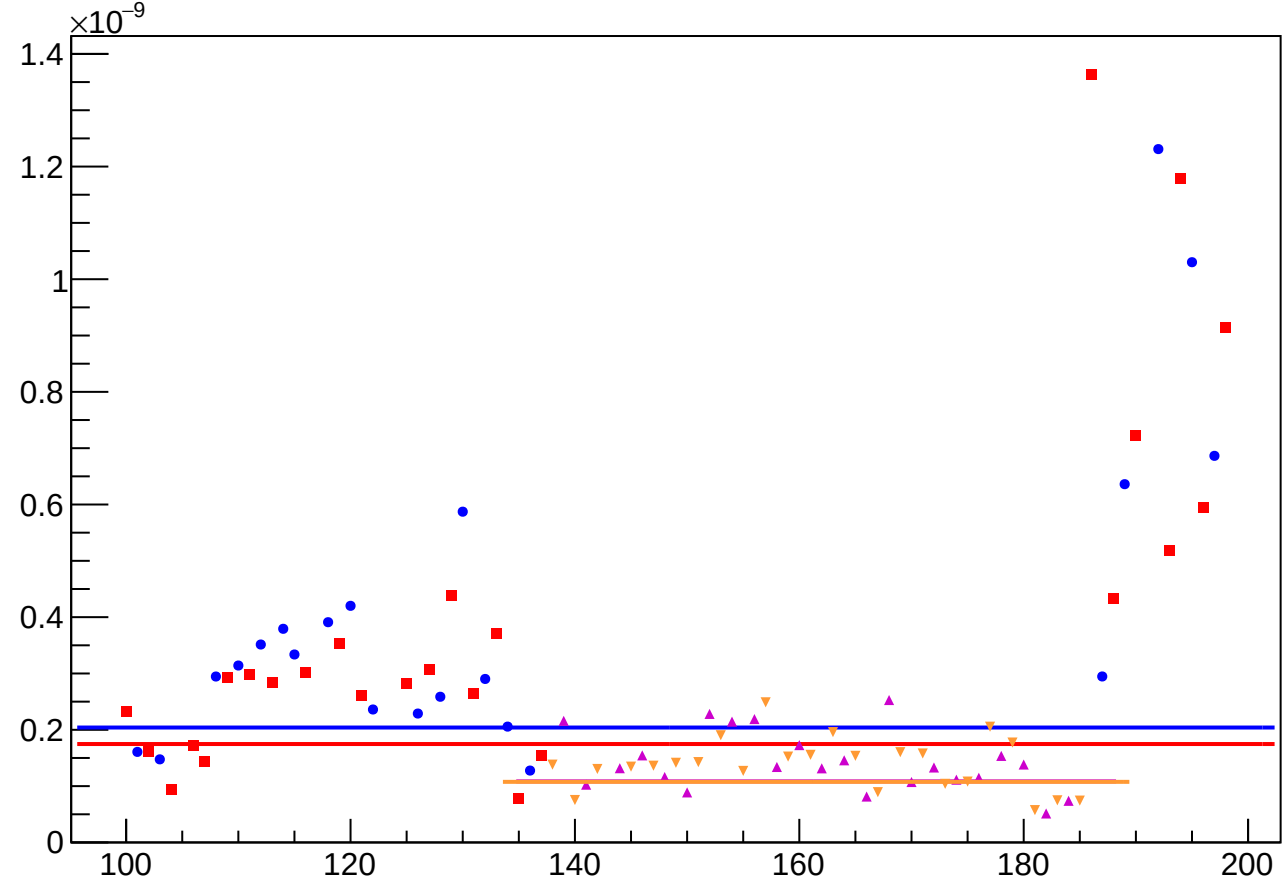
Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/24

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.7/44

All: 0.000+/-0.000 χ^2/NDF: 69.6/92

- sign 0.000+/-0.000 χ^2/NDF: 39.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 3819815.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5143156.4/24

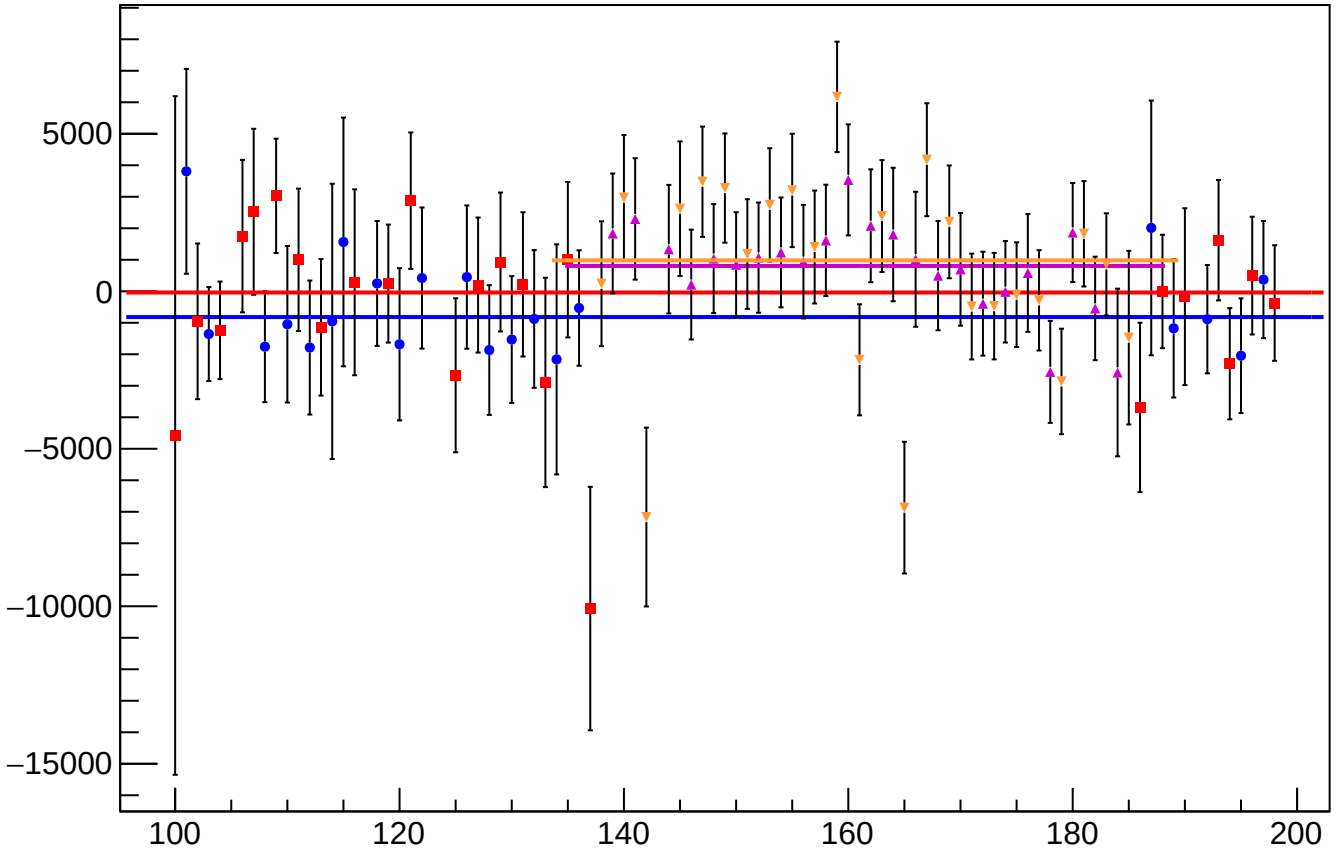
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9115787.5/44

All: 0.000+/-0.000 χ^2/NDF: 19217799.9/92

- sign 0.000+/-0.000 χ^2/NDF: 10101658.4/47

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -818.303+/-474.270 χ^2/NDF: 6.0/20

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -39.545+/-443.524 χ^2/NDF: 21.0/24

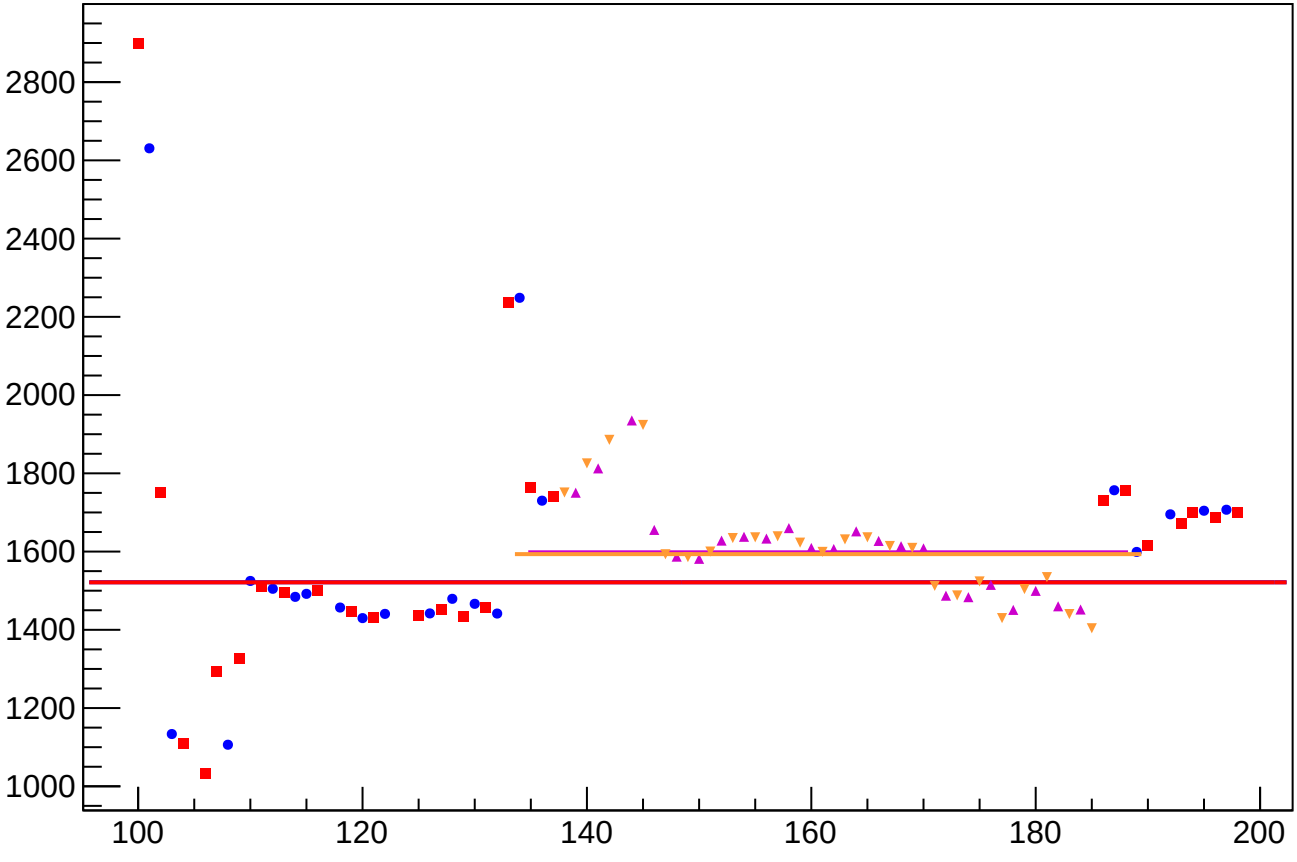
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 298.691+/-292.138 χ^2/NDF: 70.5/44

All: 377.664+/-204.348 χ^2/NDF: 106.1/92

- sign 453.324+/-285.945 χ^2/NDF: 35.5/47

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1521.579+/-0.335 χ^2/NDF: 669535.2/20

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

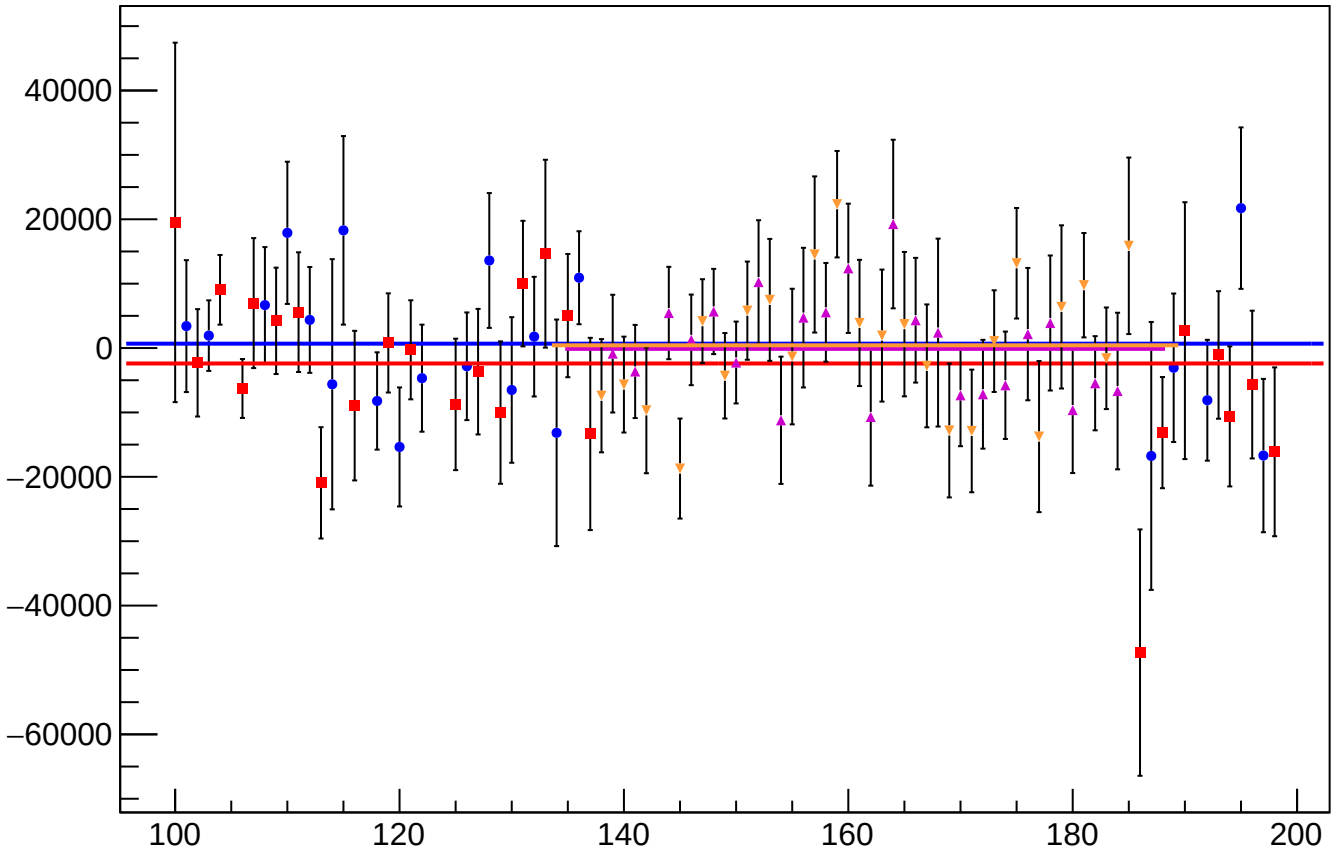
Right Out: 1521.343+/-0.312 χ^2/NDF: 585085.1/24

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1566.200+/-0.207 χ^2/NDF: 885676.9/44

All: 1566.111+/-0.144 χ^2/NDF: 1675139.1/92

- sign 1566.025+/-0.202 χ^2/NDF: 789461.9/47



Right In: 680.473+/-2089.676 χ^2/NDF: 20.9/20

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

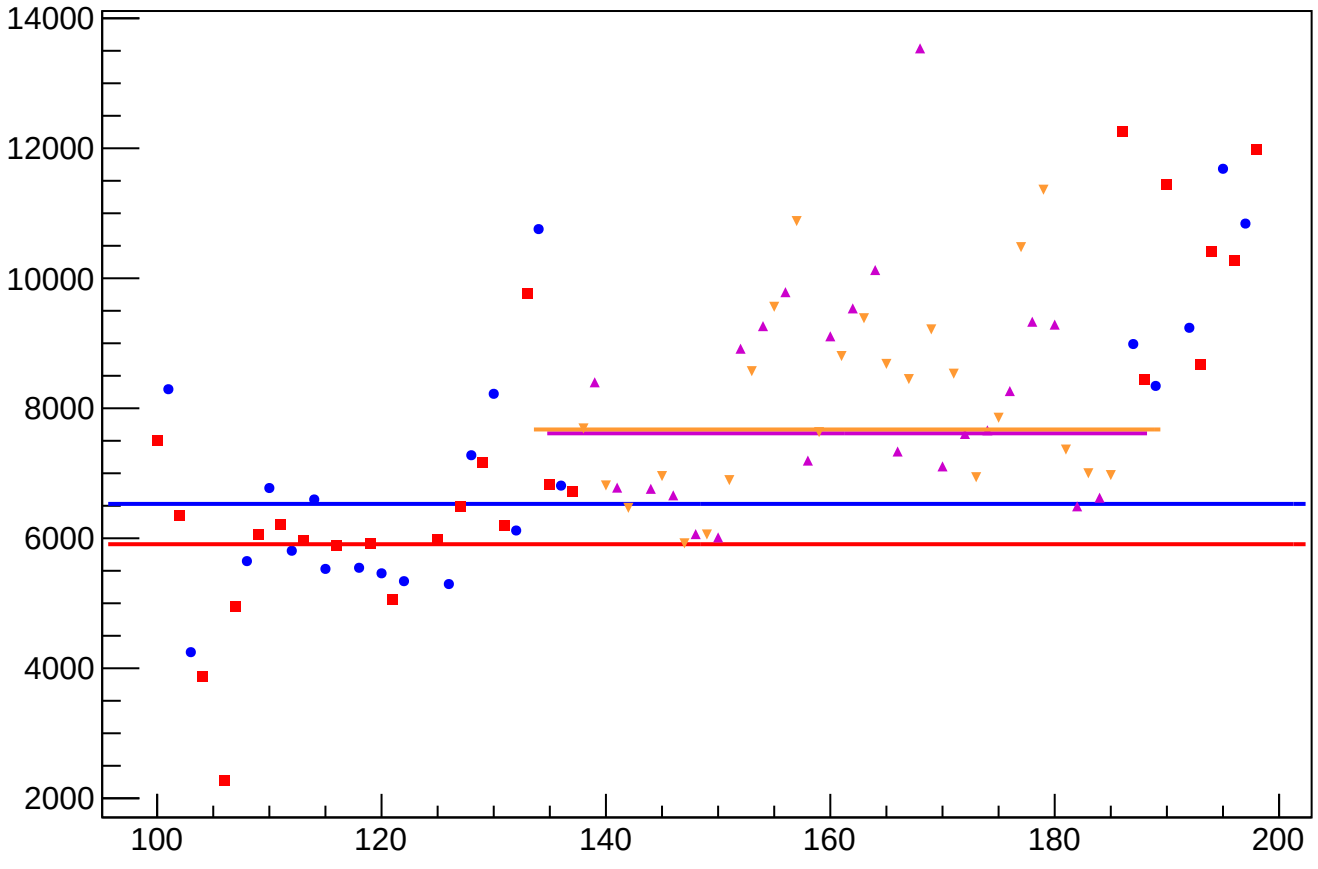
Right Out: -2397.912+/-1832.279 χ^2/NDF: 27.1/24

Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 536.157+/-1372.389 χ^2/NDF: 50.3/44

All: -413.230+/-939.715 χ^2/NDF: 93.0/92

- sign -1251.273+/-1289.404 χ^2/NDF: 41.7/47



Right In: 6528.963+/-1.478 χ^2/NDF: 1618019.8/20

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5908.812+/-1.296 χ^2/NDF: 3568725.1/24

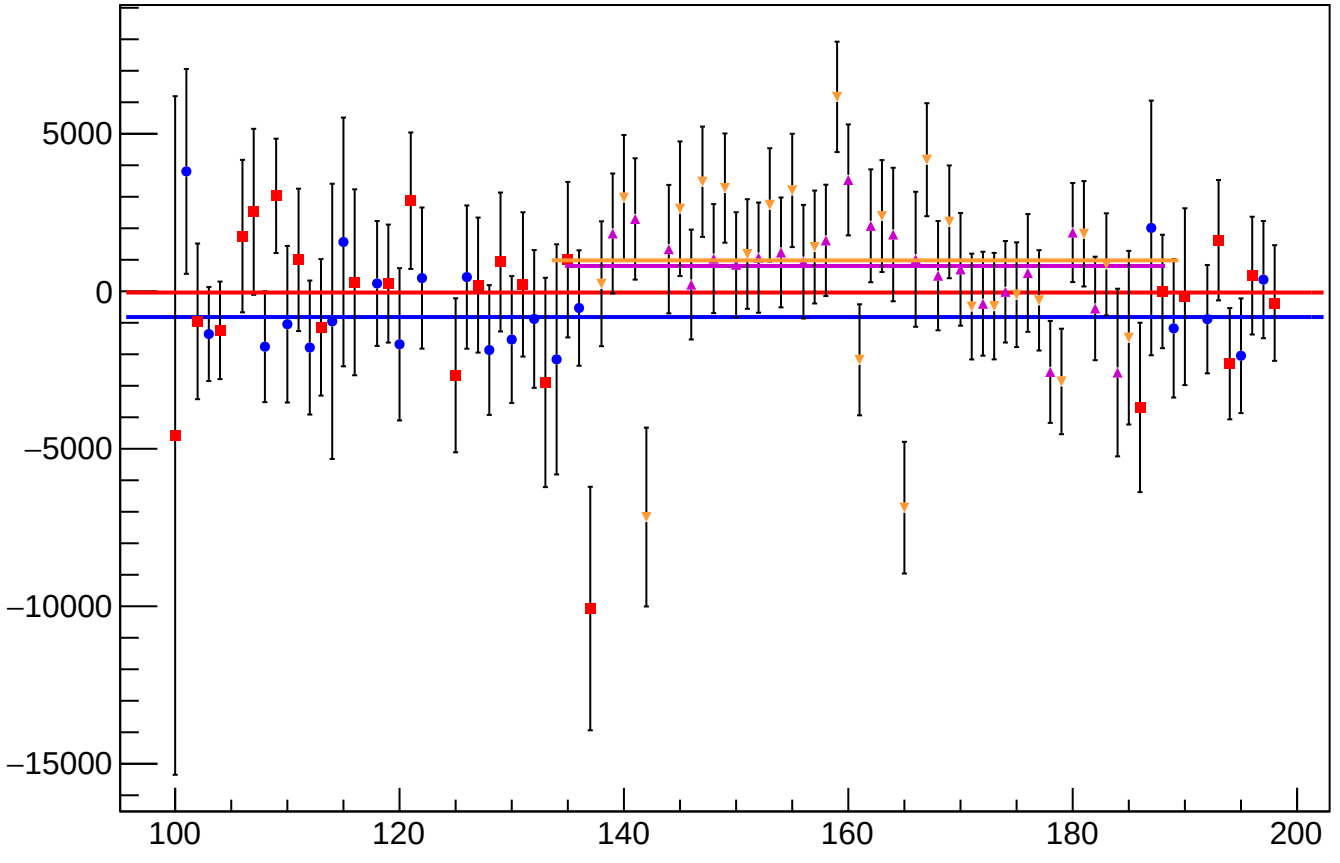
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7180.160+/-0.970 χ^2/NDF: 3036261.8/44

All: 6962.334+/-0.664 χ^2/NDF: 8799738.9/92

- sign 6770.055+/-0.912 χ^2/NDF: 5668618.0/47

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -818.394+/-474.270 χ^2/NDF: 6.0/20

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -39.632+/-443.524 χ^2/NDF: 21.0/24

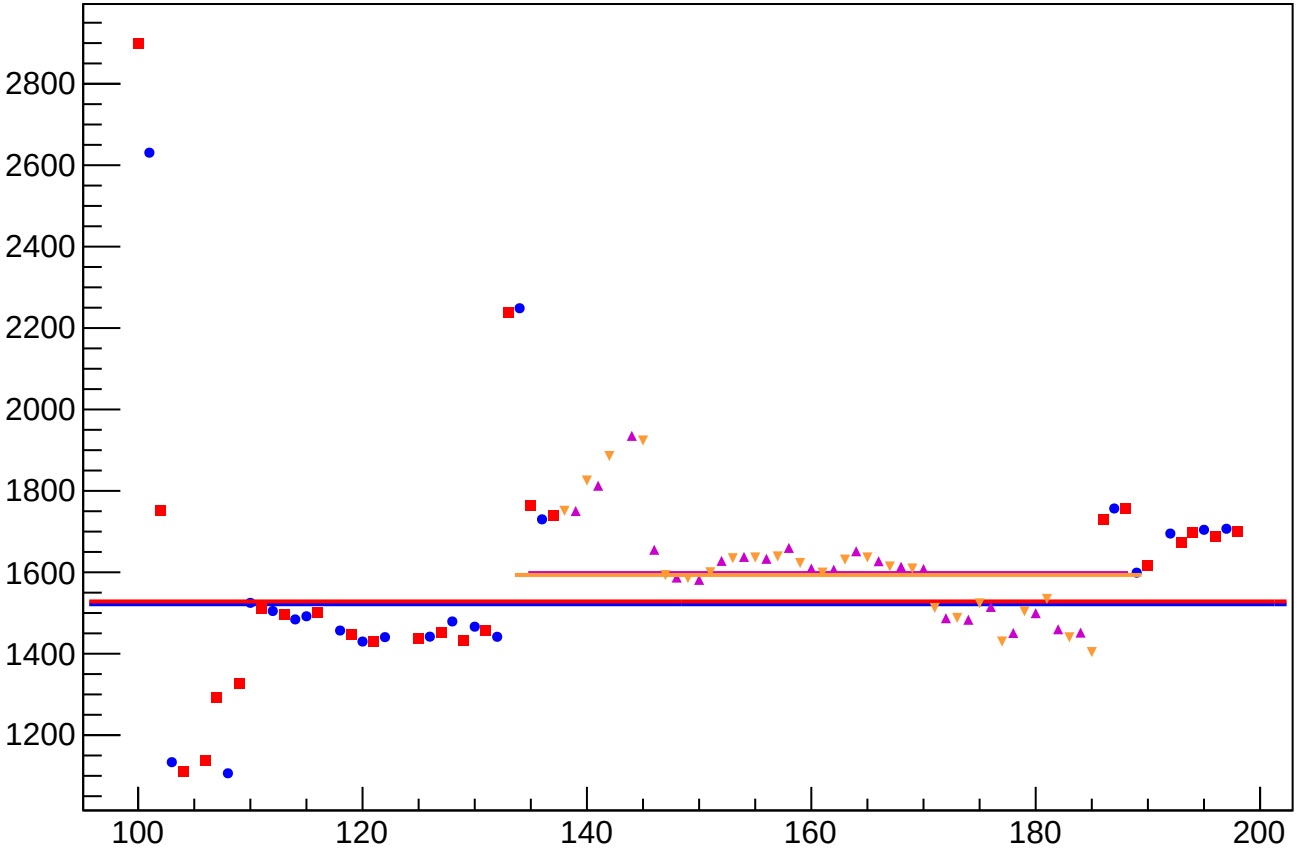
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 298.709+/-292.138 χ^2/NDF: 70.5/44

All: 377.617+/-204.348 χ^2/NDF: 106.1/92

- sign 453.214+/-285.945 χ^2/NDF: 35.5/47

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1521.579+/-0.335 χ^2/NDF: 669535.6/20

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

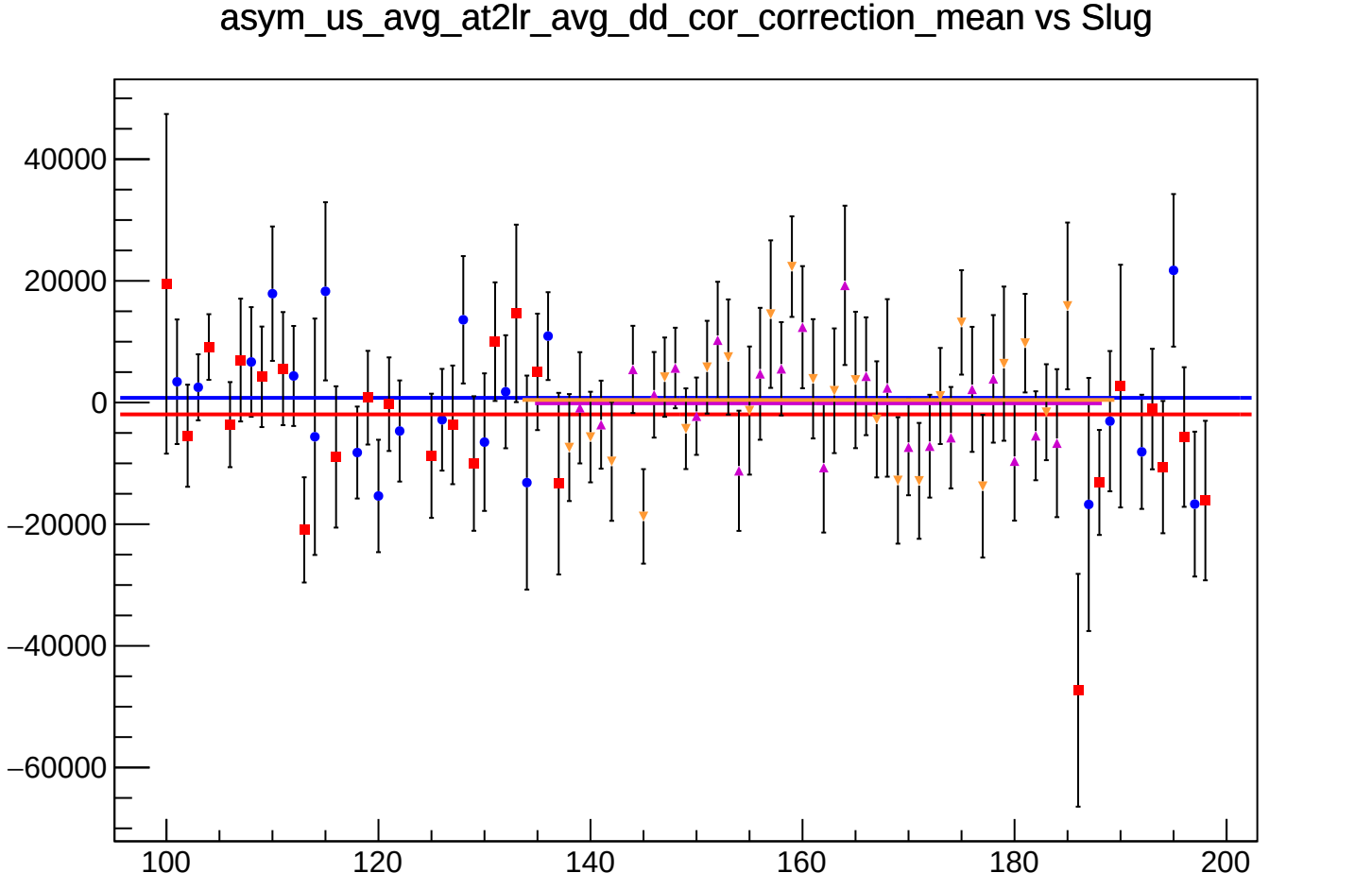
Right Out: 1528.417+/-0.313 χ^2/NDF: 534578.2/24

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1566.200+/-0.207 χ^2/NDF: 885677.3/44

All: 1567.680+/-0.144 χ^2/NDF: 1618428.2/92

- sign 1569.096+/-0.202 χ^2/NDF: 732650.4/47



Right In: 768.711+/-2086.728 χ^2/NDF: 21.0/20

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

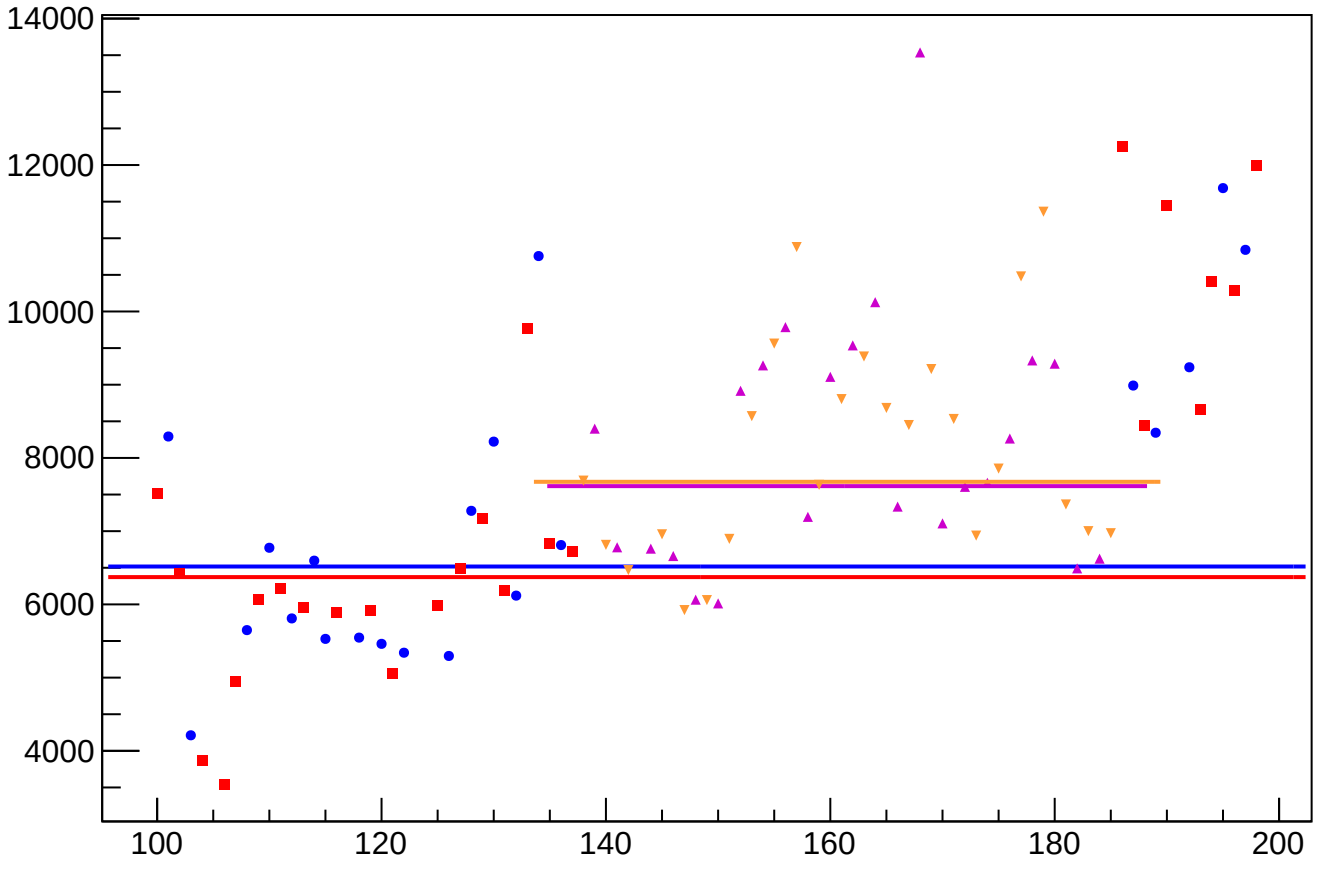
Right Out: -1949.375+/-1922.667 χ^2/NDF: 26.6/24

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 574.453+/-1371.553 χ^2/NDF: 50.4/44

All: -235.443+/-950.993 χ^2/NDF: 92.0/92

- sign -985.320+/-1319.755 χ^2/NDF: 40.9/47



Right In: 6517.237+/-1.476 χ^2/NDF: 1635801.5/20

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6372.694+/-1.360 χ^2/NDF: 2422721.9/24

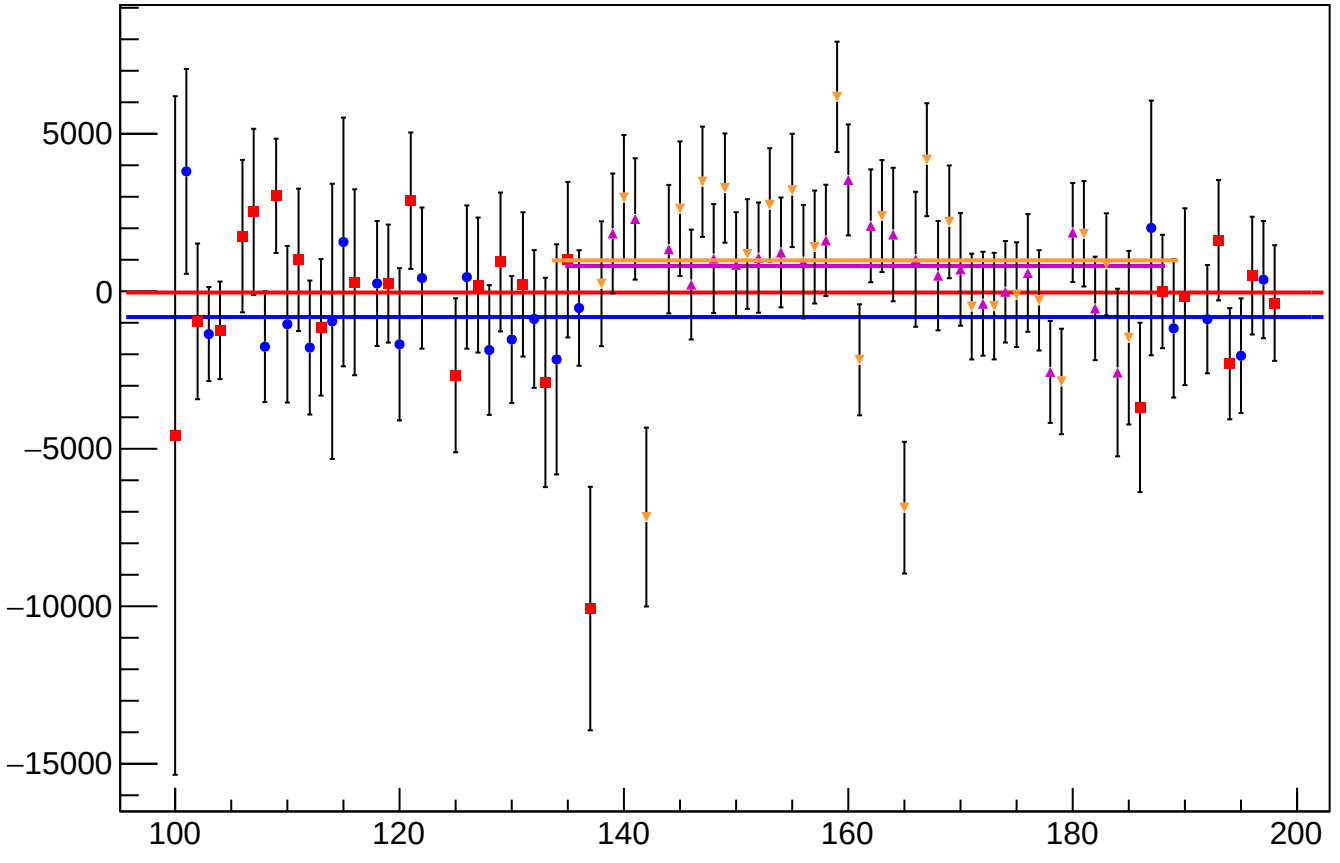
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7174.302+/-0.970 χ^2/NDF: 3061634.1/44

All: 7099.189+/-0.672 χ^2/NDF: 7161972.9/92

- sign 7029.643+/-0.933 χ^2/NDF: 4088786.6/47

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -818.394+/-474.270 χ^2/NDF: 6.0/20

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -39.632+/-443.524 χ^2/NDF: 21.0/24

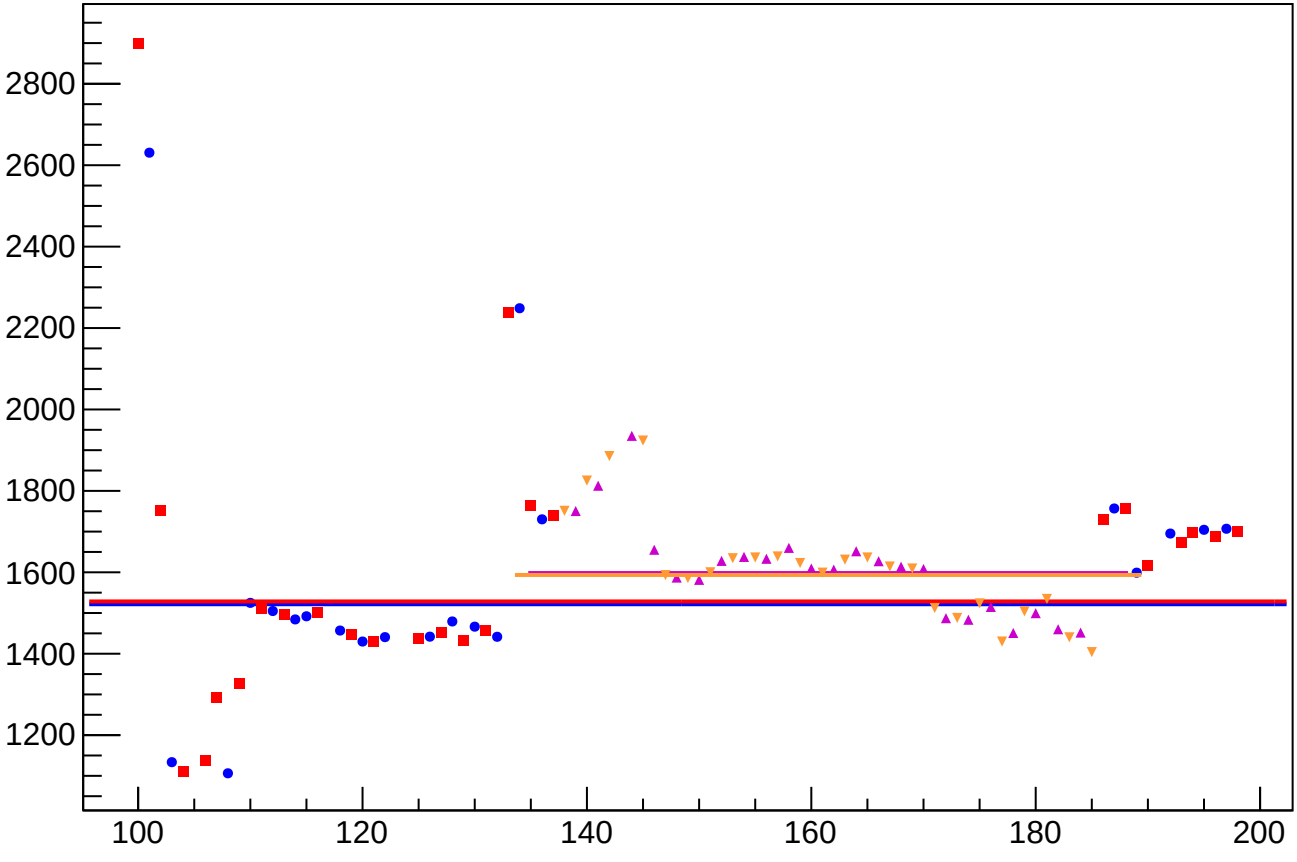
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 298.709+/-292.138 χ^2/NDF: 70.5/44

All: 377.617+/-204.348 χ^2/NDF: 106.1/92

- sign 453.214+/-285.945 χ^2/NDF: 35.5/47

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1521.579+/-0.335 χ^2/NDF: 669535.6/20

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

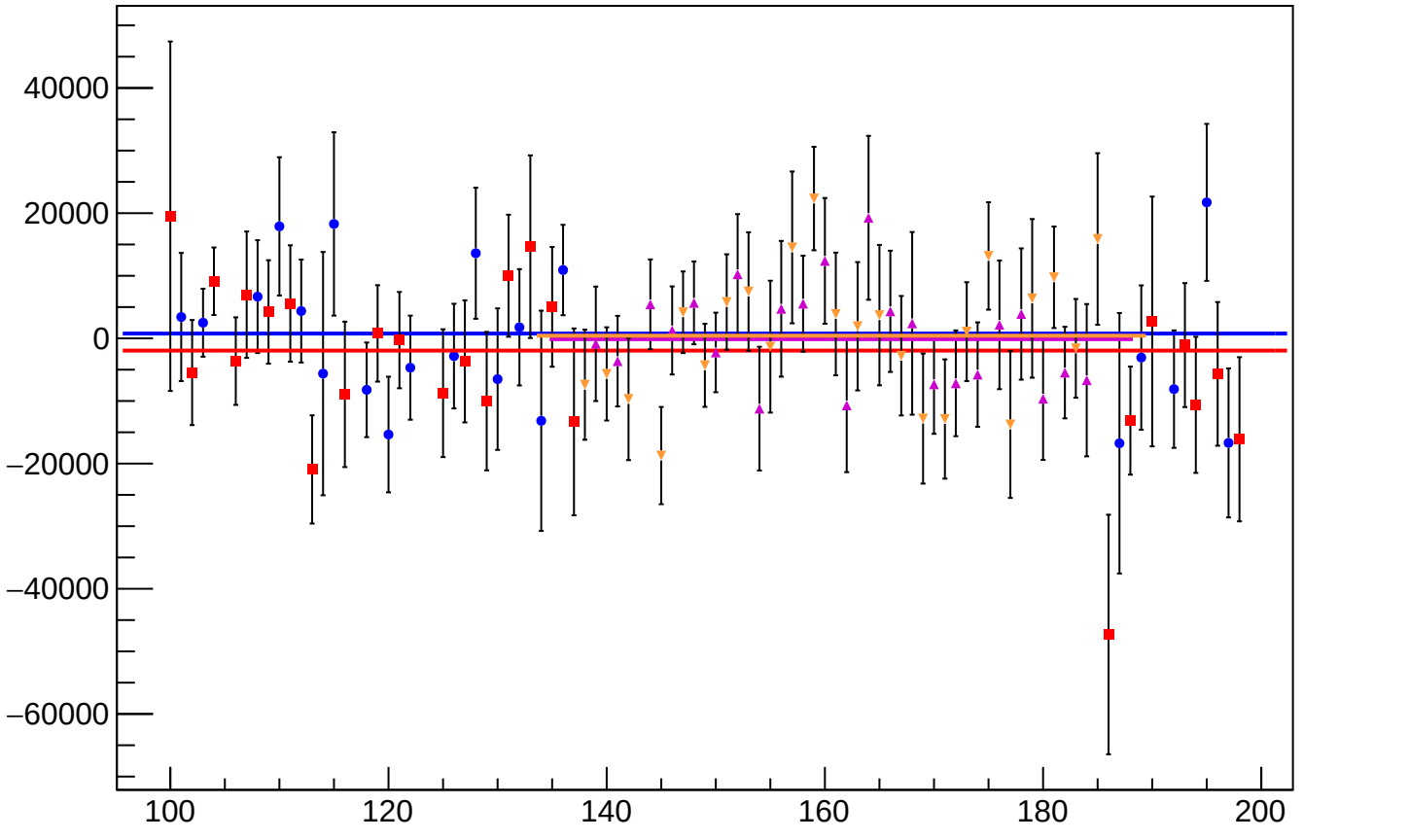
Right Out: 1528.417+/-0.313 χ^2/NDF: 534578.2/24

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1566.200+/-0.207 χ^2/NDF: 885677.3/44

All: 1567.680+/-0.144 χ^2/NDF: 1618428.2/92

- sign 1569.096+/-0.202 χ^2/NDF: 732650.4/47



Right In: 768.711+/-2086.728 χ^2/NDF: 21.0/20

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

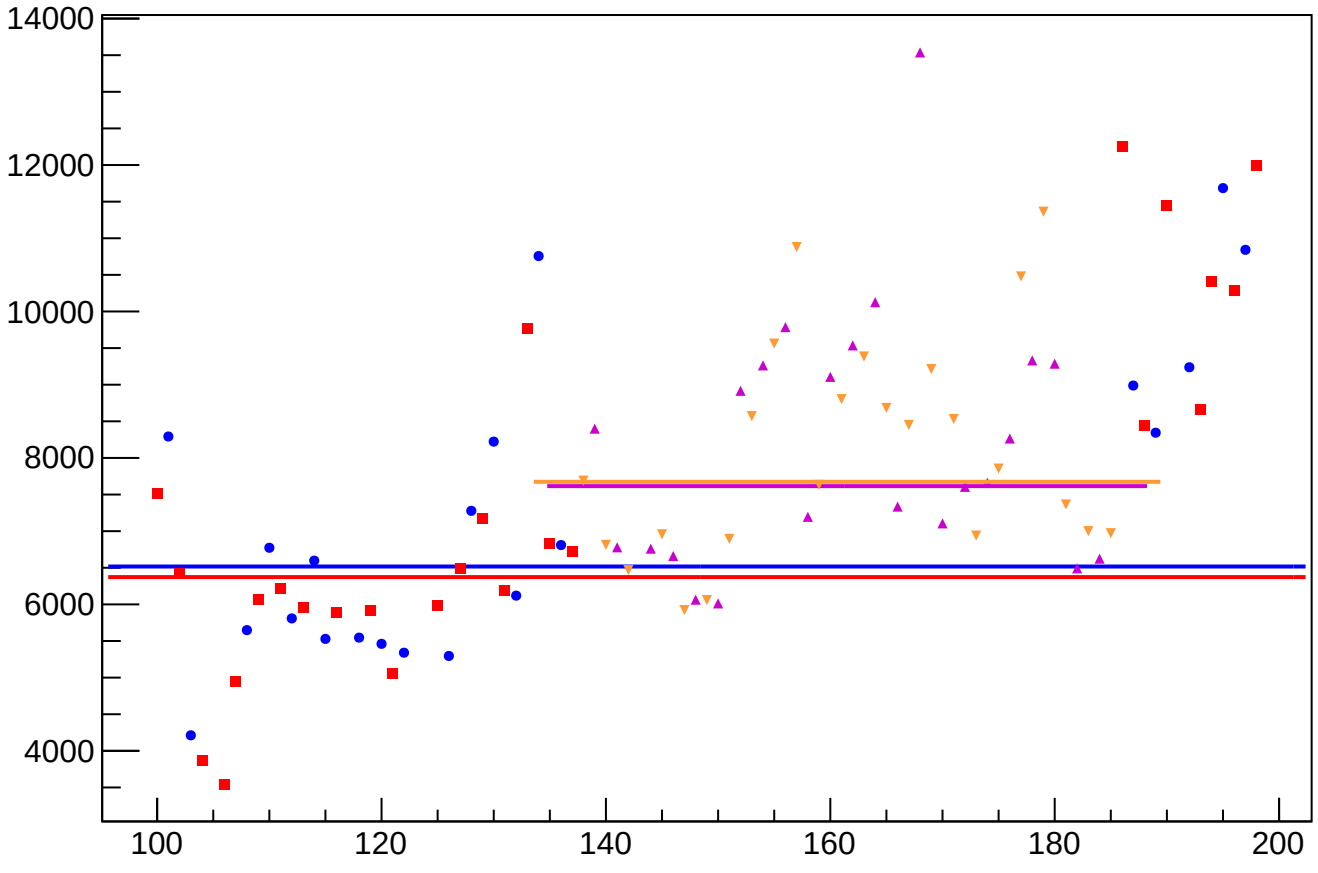
Right Out: -1949.375+/-1922.667 χ^2/NDF: 26.6/24

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 574.453+/-1371.553 χ^2/NDF: 50.4/44

All: -235.443+/-950.993 χ^2/NDF: 92.0/92

- sign -985.320+/-1319.755 χ^2/NDF: 40.9/47



Right In: 6517.237+/-1.476 χ^2/NDF: 1635801.5/20

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6372.694+/-1.360 χ^2/NDF: 2422721.9/24

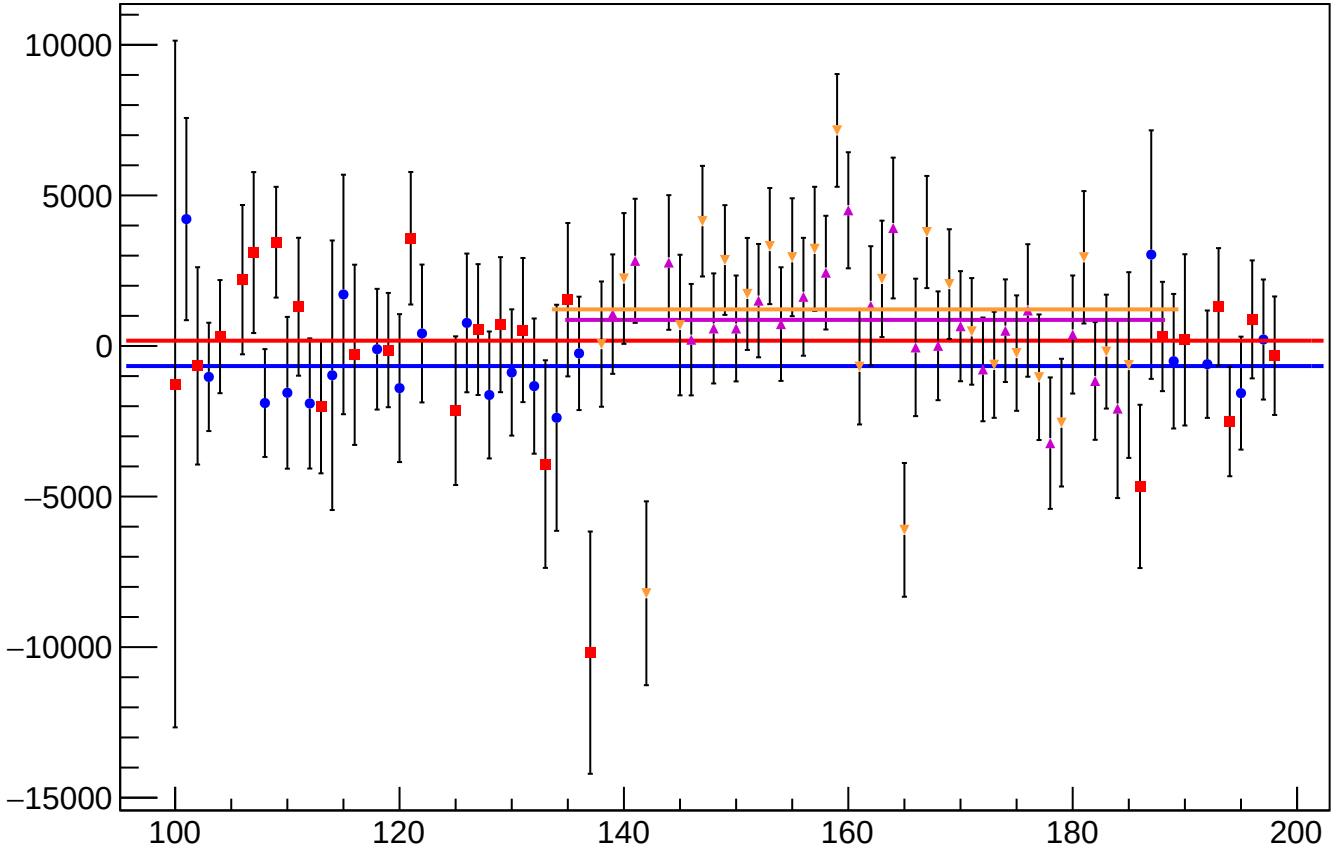
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7174.302+/-0.970 χ^2/NDF: 3061634.1/44

All: 7099.189+/-0.672 χ^2/NDF: 7161972.9/92

- sign 7029.643+/-0.933 χ^2/NDF: 4088786.6/47

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -667.148+/-493.740 χ^2/NDF: 6.0/20

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 175.769+/-462.751 χ^2/NDF: 24.0/24

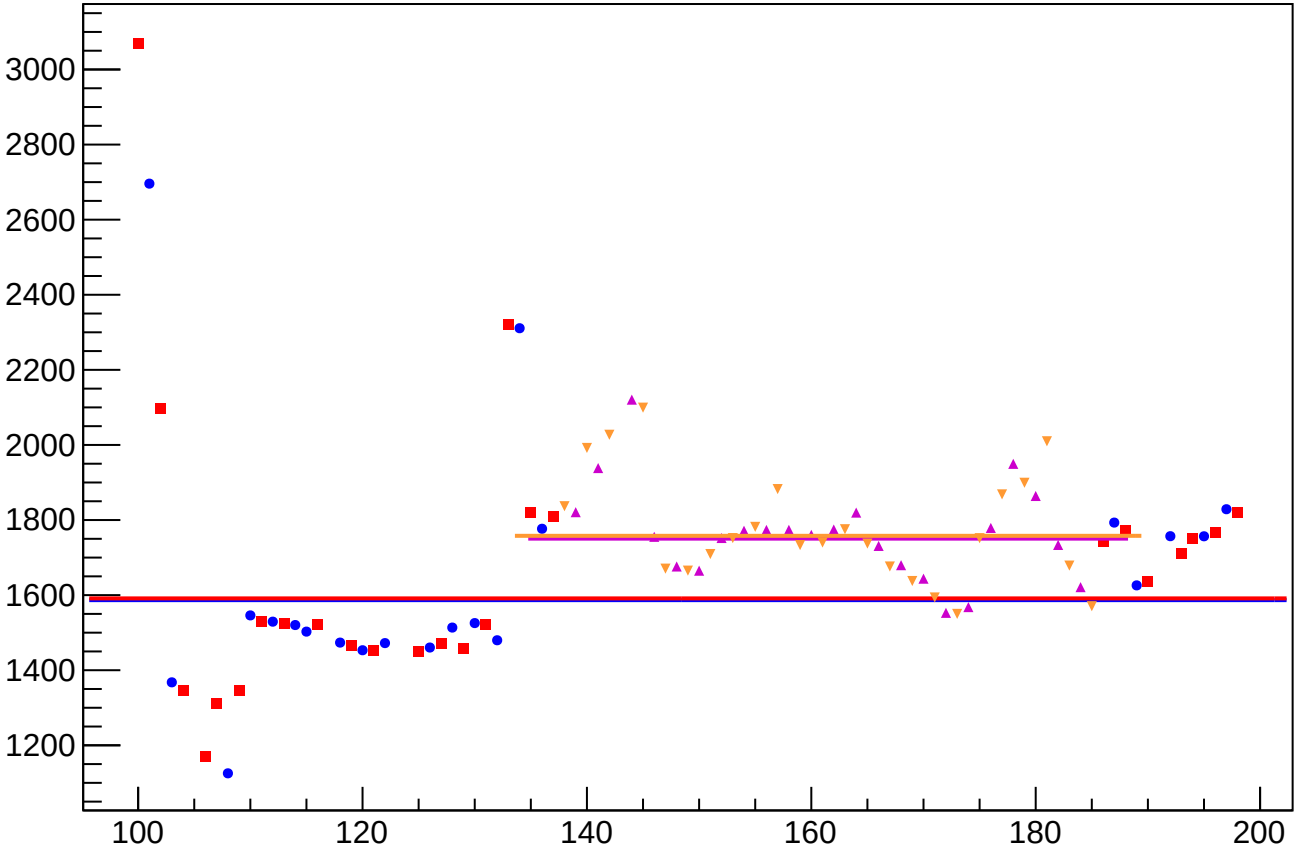
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 447.970+/-315.236 χ^2/NDF: 63.1/44

All: 506.736+/-219.897 χ^2/NDF: 103.5/92

- sign 562.432+/-306.893 χ^2/NDF: 40.4/47

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1586.644+/-0.349 χ^2/NDF: 580518.4/20

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

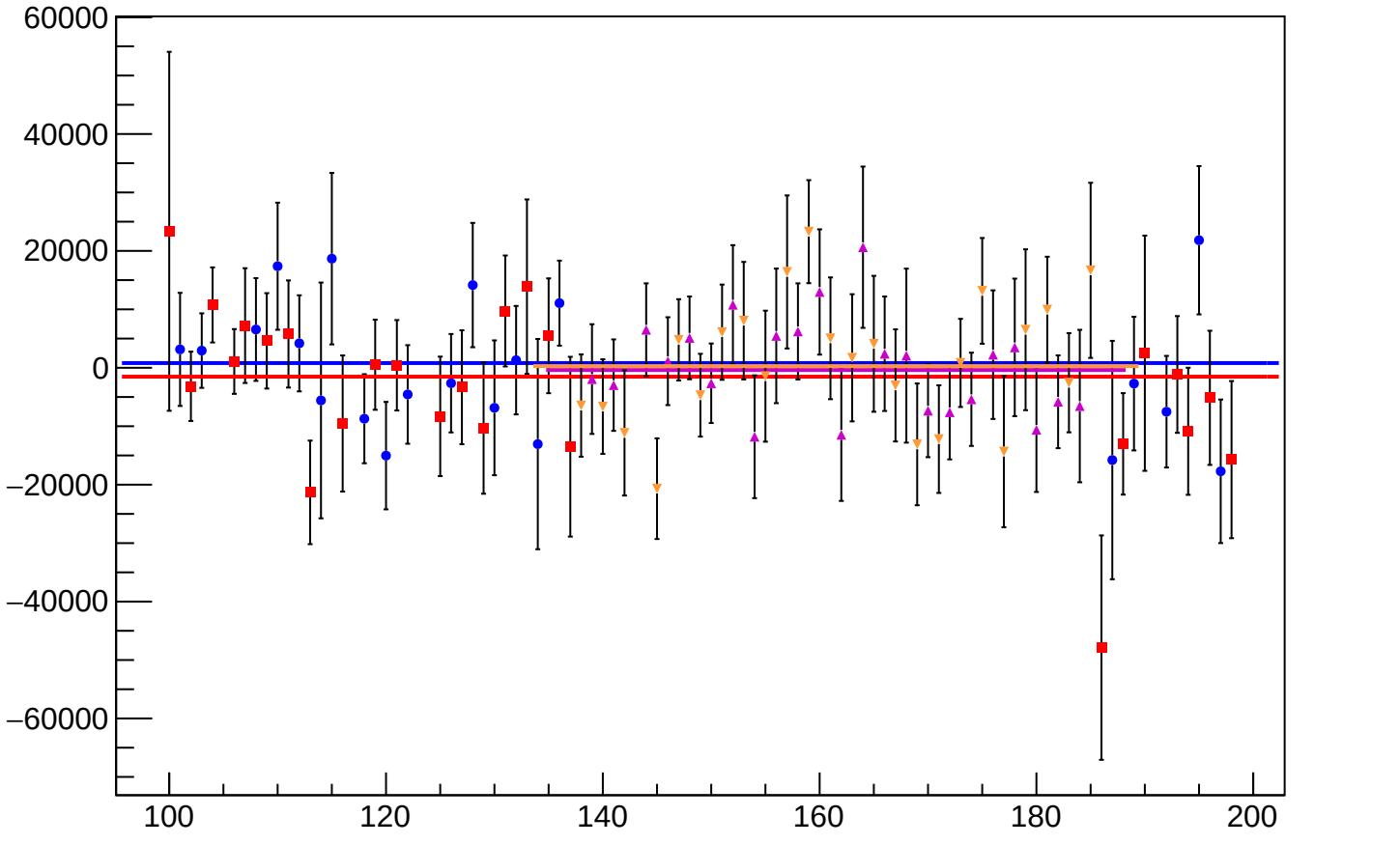
Right Out: 1591.300+/-0.327 χ^2/NDF: 478066.1/24

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1688.128+/-0.223 χ^2/NDF: 936441.6/44

All: 1684.187+/-0.155 χ^2/NDF: 1719596.6/92

- sign 1680.452+/-0.217 χ^2/NDF: 782546.2/47



Right In: 810.979+/-2133.713 χ^2/NDF: 20.9/20

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

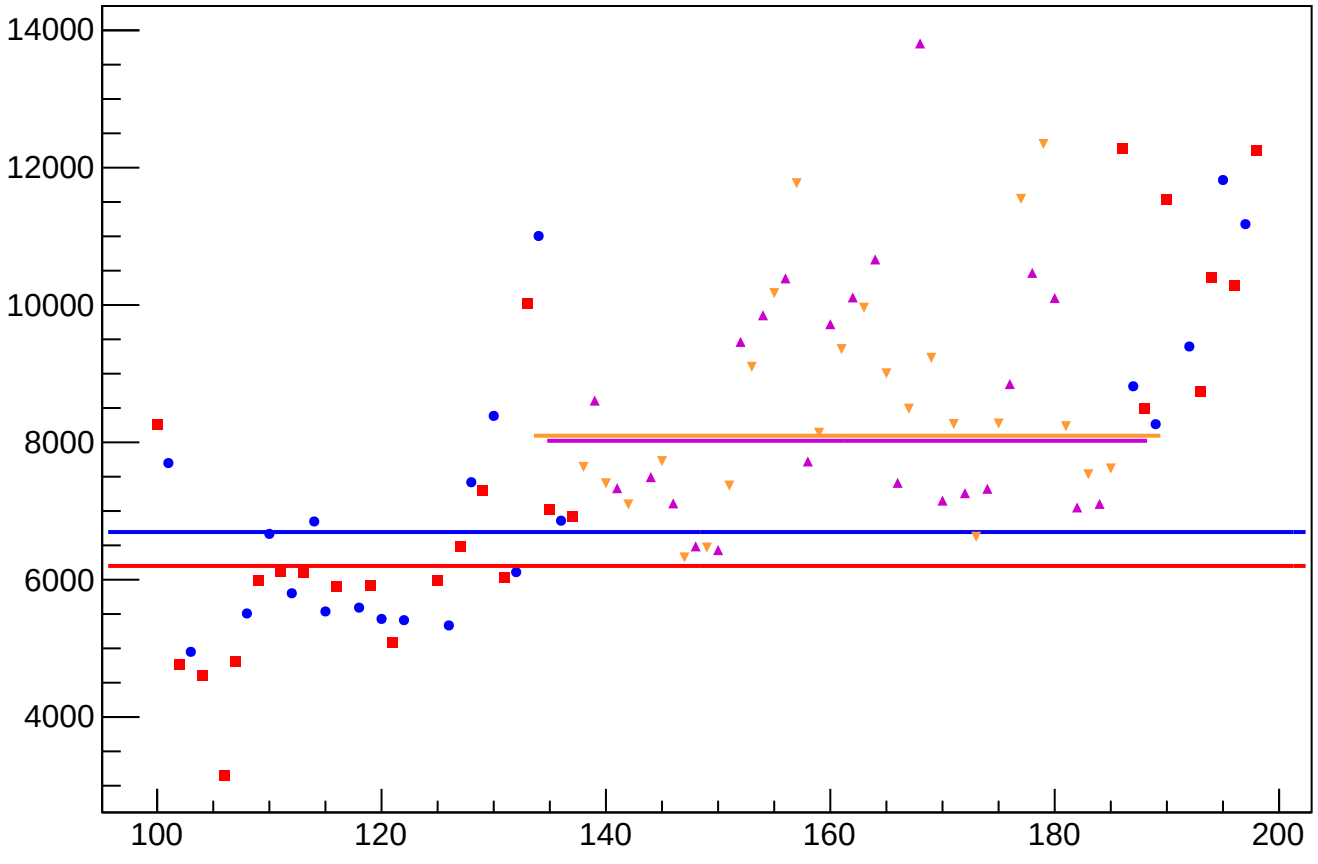
Right Out: -1524.002+/-1871.439 χ^2/NDF: 26.4/24

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 520.313+/-1427.294 χ^2/NDF: 49.6/44

All: -270.867+/-975.975 χ^2/NDF: 90.4/92

- sign -965.681+/-1337.549 χ^2/NDF: 40.2/47



Right In: 6694.102+/-1.509 χ^2/NDF: 1410616.5/20

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

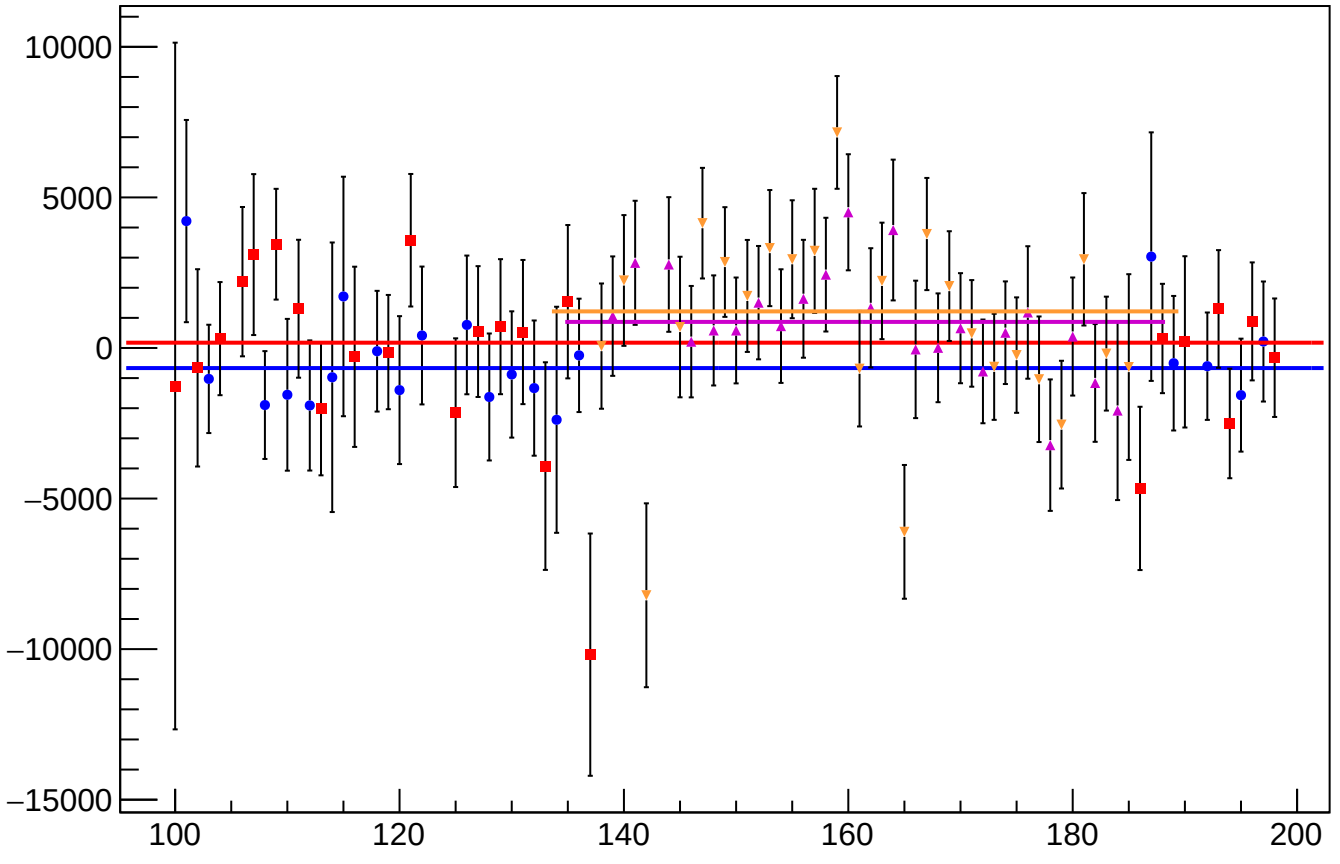
Right Out: 6200.481+/-1.323 χ^2/NDF: 2680685.7/24

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7469.160+/-1.009 χ^2/NDF: 2976005.8/44

All: 7268.290+/-0.690 χ^2/NDF: 7884240.8/92

- sign 7091.887+/-0.946 χ^2/NDF: 4833835.0/47



Right In: -667.150+/-493.740 χ^2/NDF: 6.0/20

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 175.775+/-462.751 χ^2/NDF: 24.0/24

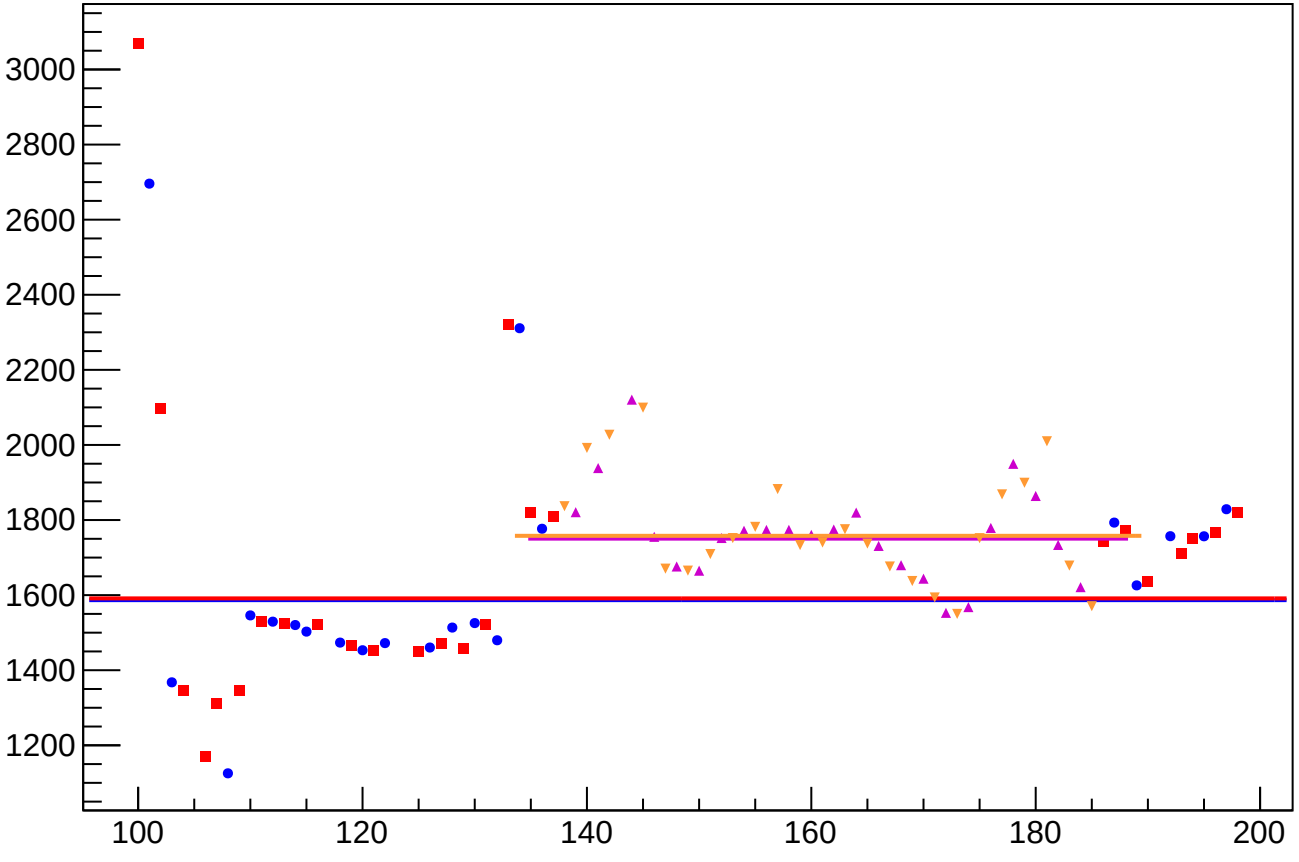
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 447.972+/-315.237 χ^2/NDF: 63.1/44

All: 506.738+/-219.897 χ^2/NDF: 103.5/92

- sign 562.434+/-306.893 χ^2/NDF: 40.4/47

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1586.644+/-0.349 χ^2/NDF: 580518.4/20

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

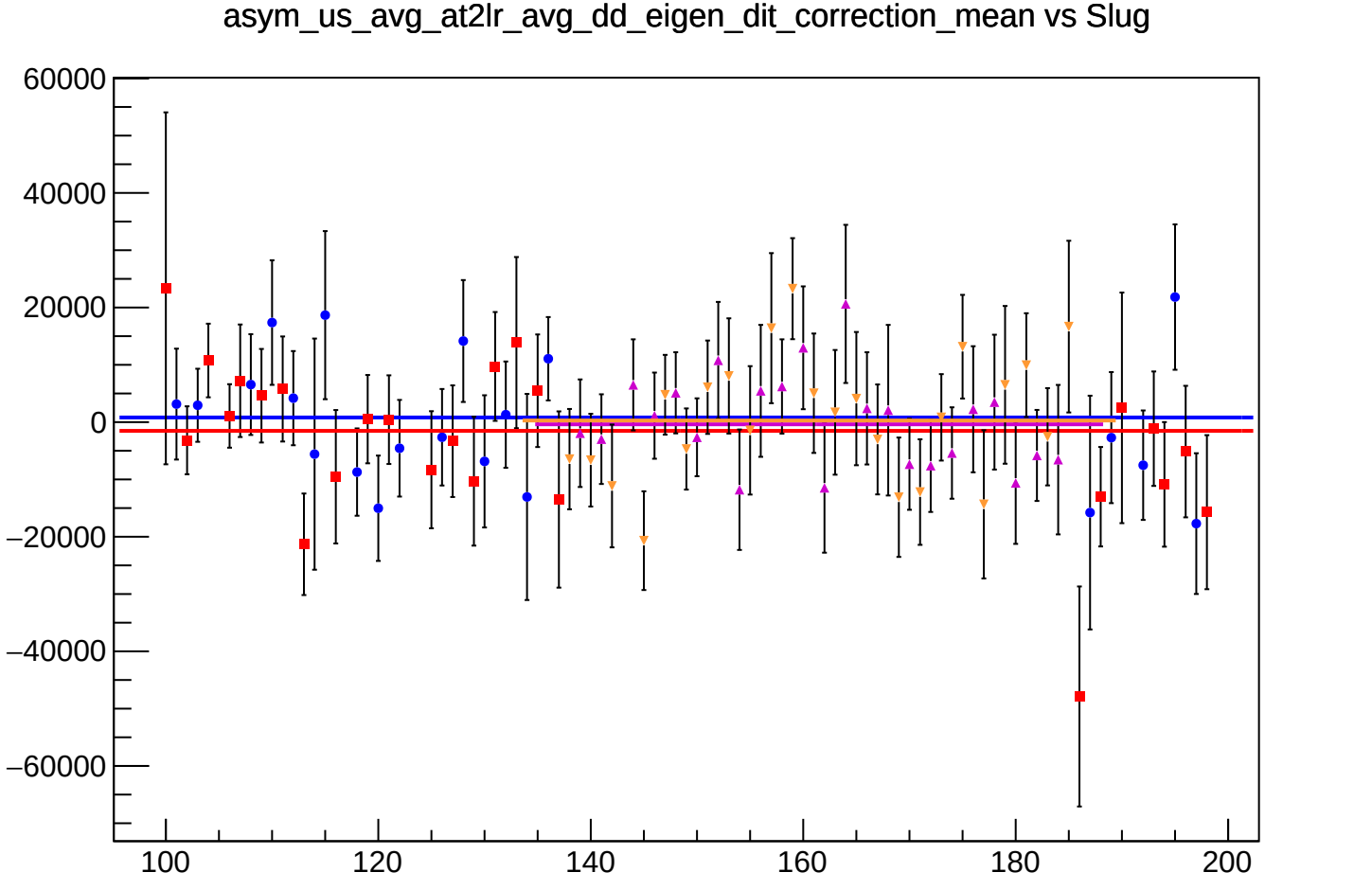
Right Out: 1591.300+/-0.327 χ^2/NDF: 478067.2/24

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1688.129+/-0.223 χ^2/NDF: 936454.2/44

All: 1684.188+/-0.155 χ^2/NDF: 1719622.3/92

- sign 1680.454+/-0.217 χ^2/NDF: 782559.3/47



Right In: 810.964+/-2133.709 χ^2/NDF: 20.9/20

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

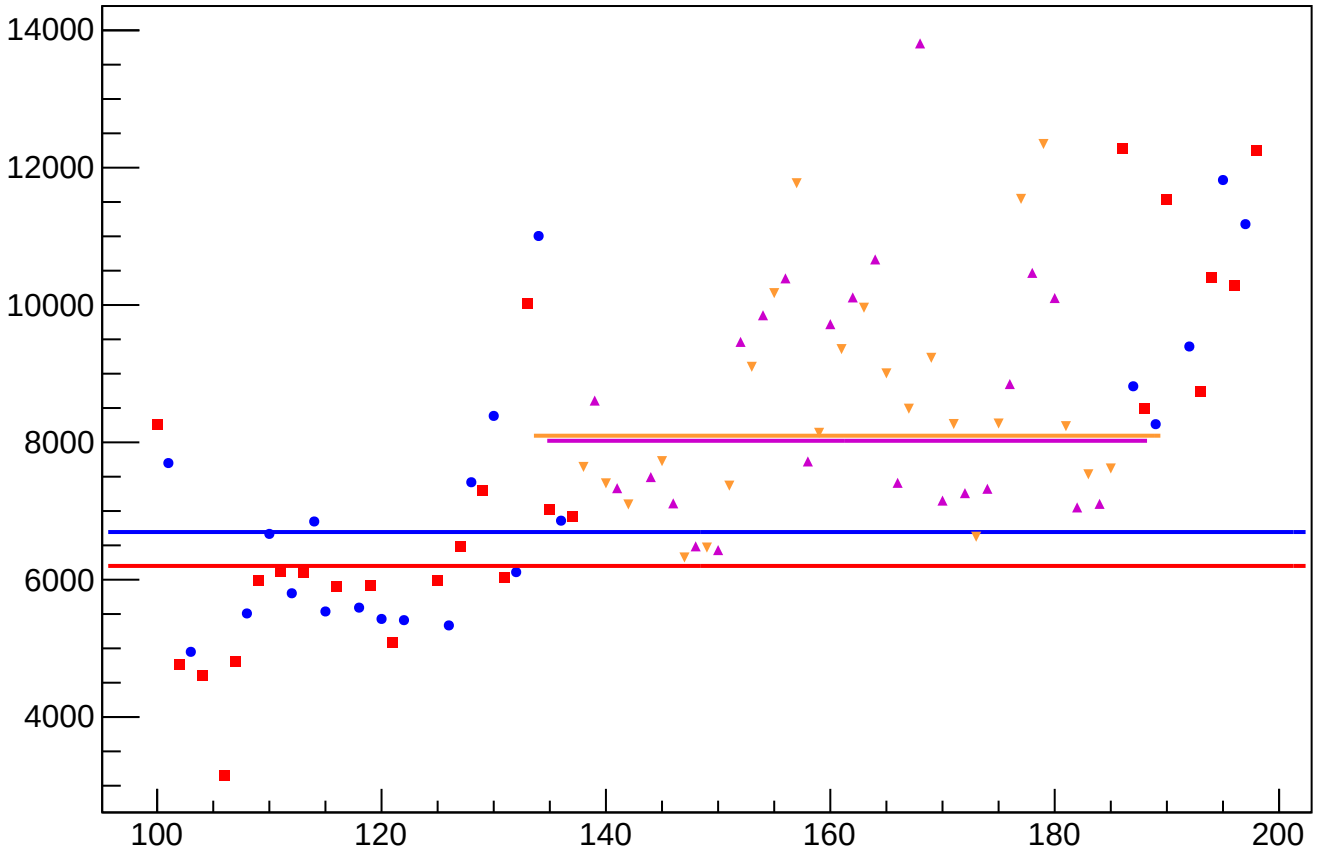
Right Out: -1523.991+/-1871.436 χ^2/NDF: 26.4/24

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 520.308+/-1427.294 χ^2/NDF: 49.6/44

All: -270.868+/-975.976 χ^2/NDF: 90.4/92

- sign -965.678+/-1337.549 χ^2/NDF: 40.2/47



Right In: 6694.089+/-1.509 χ^2/NDF: 1410630.5/20

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6200.470+/-1.323 χ^2/NDF: 2680699.2/24

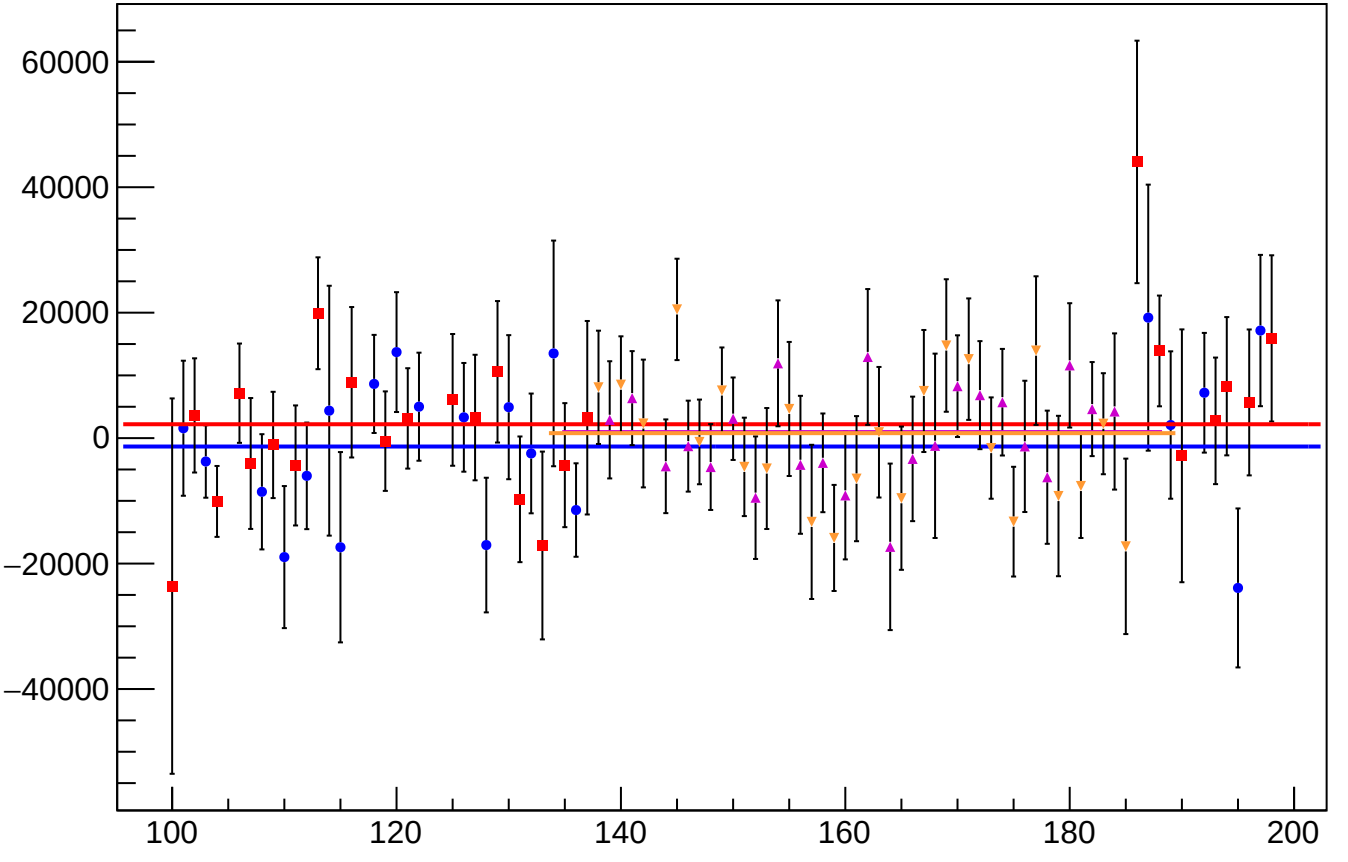
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7469.159+/-1.009 χ^2/NDF: 2976039.5/44

All: 7268.288+/-0.690 χ^2/NDF: 7884316.4/92

- sign 7091.884+/-0.946 χ^2/NDF: 4833876.1/47

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -1339.647+/-2156.719 χ^2/NDF: 22.1/20

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 2212.378+/-1998.384 χ^2/NDF: 23.4/24

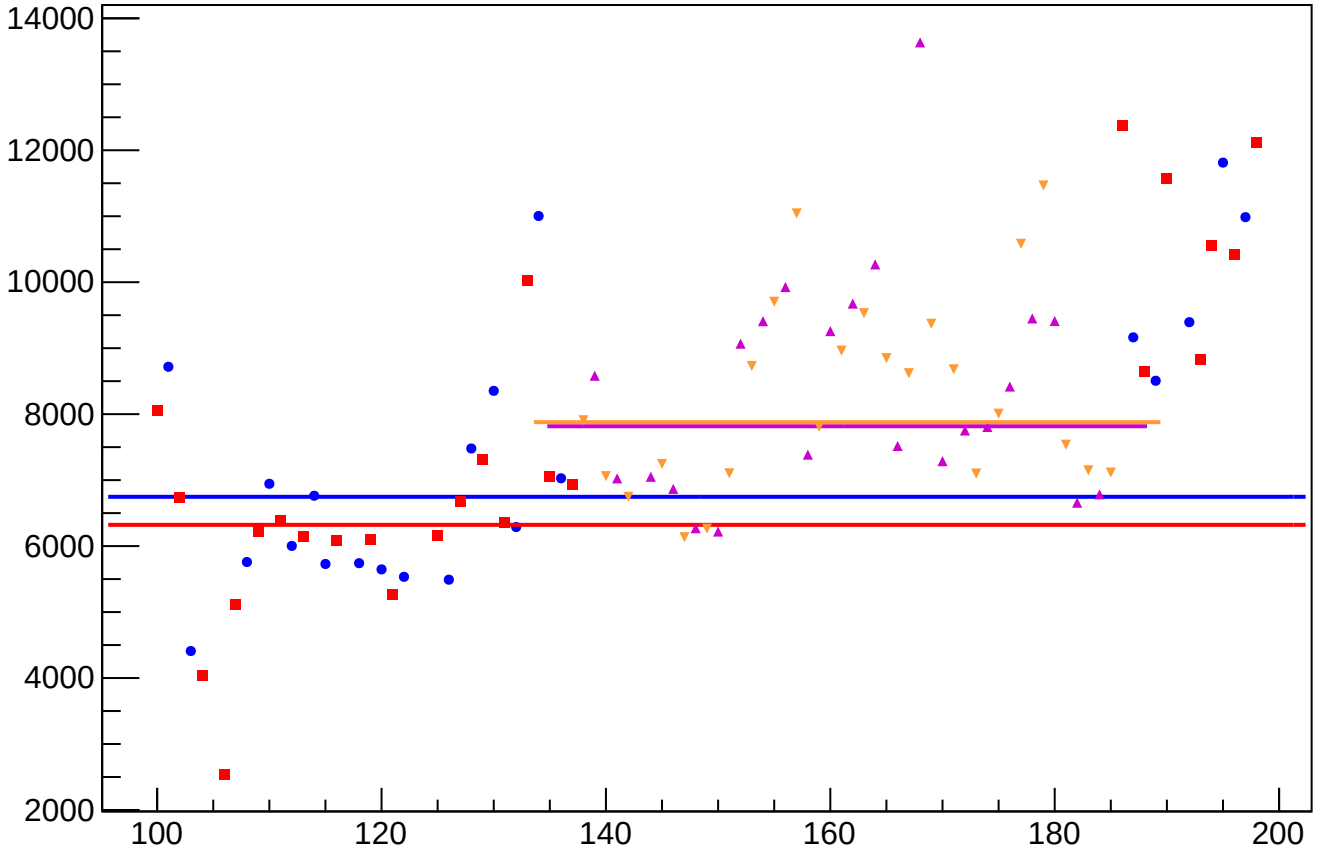
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -120.495+/-1410.753 χ^2/NDF: 49.8/44

All: 741.029+/-979.670 χ^2/NDF: 87.0/92

- sign 1543.430+/-1361.485 χ^2/NDF: 36.4/47

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6747.184+/-1.525 χ^2/NDF: 1543553.2/20

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

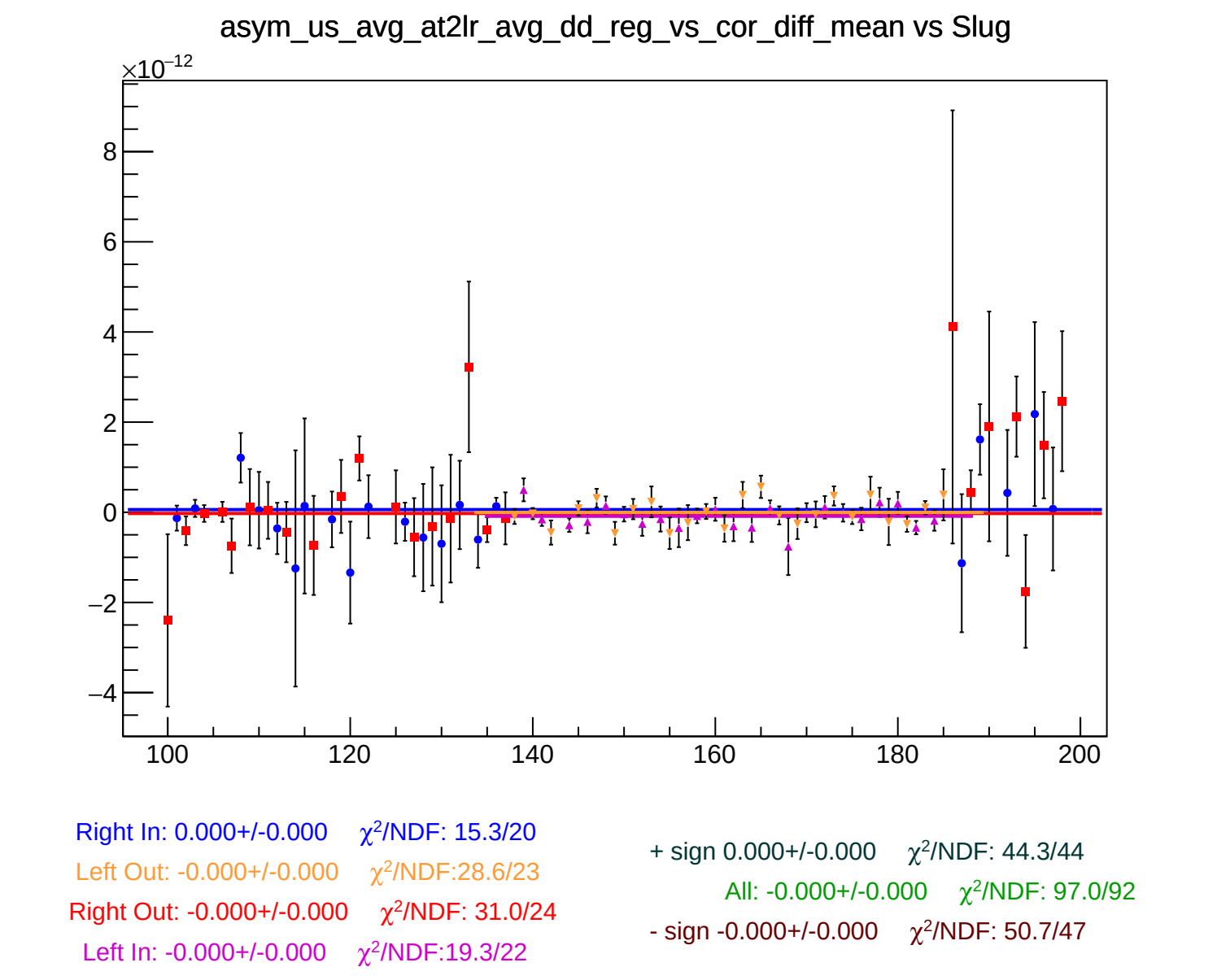
Right Out: 6322.174+/-1.372 χ^2/NDF: 2972987.0/24

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7394.427+/-0.998 χ^2/NDF: 2848453.5/44

All: 7240.361+/-0.688 χ^2/NDF: 7617507.1/92

- sign 7100.818+/-0.949 χ^2/NDF: 4723595.7/47


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
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160
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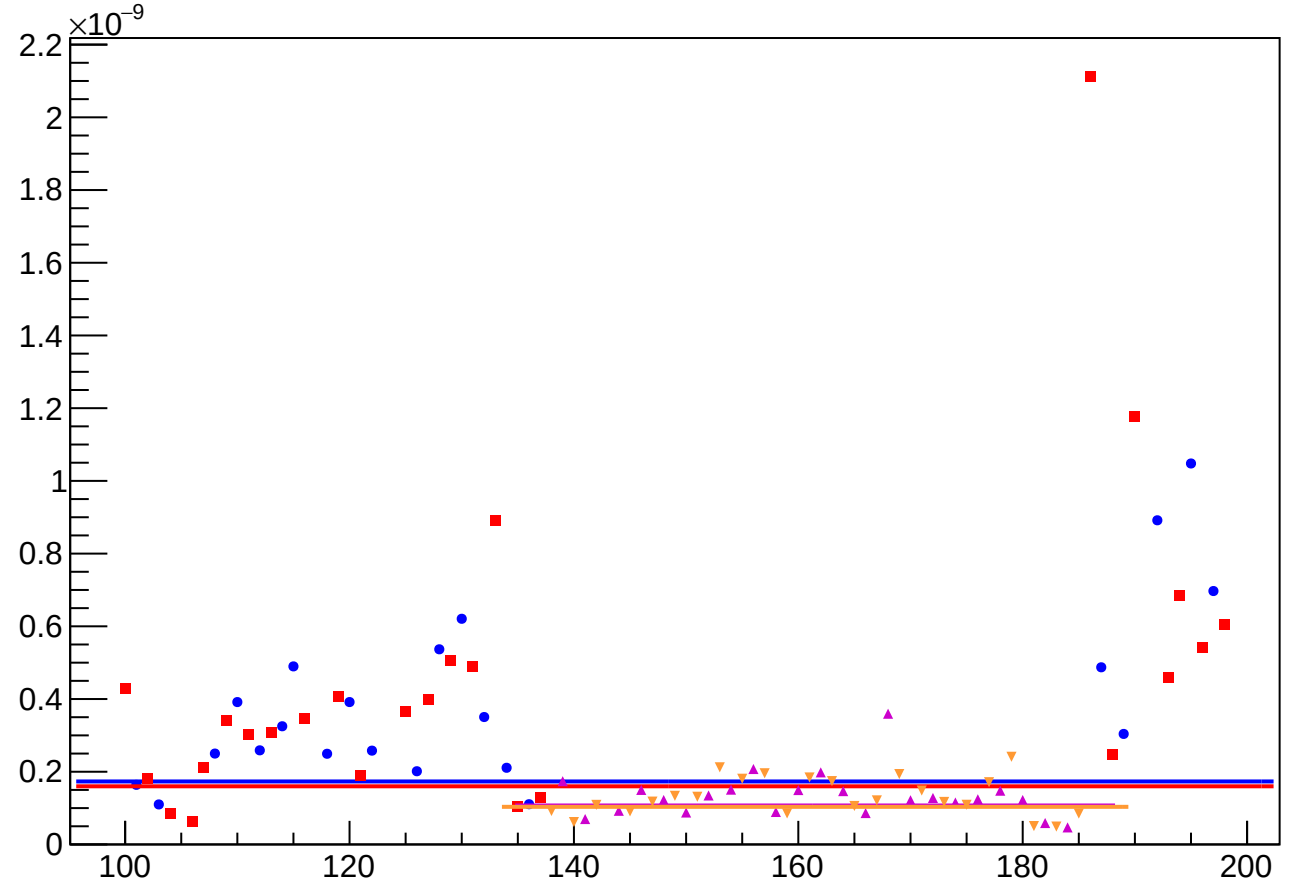
Right In: 0.000+/-0.000 χ²/NDF: 15.3/20
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.0/24
Left In: -0.000+/-0.000 χ²/NDF:19.3/22
+ sign 0.000+/-0.000 χ²/NDF: 44.3/44
All: -0.000+/-0.000 χ²/NDF: 97.0/92
- sign -0.000+/-0.000 χ²/NDF: 50.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 2692662.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

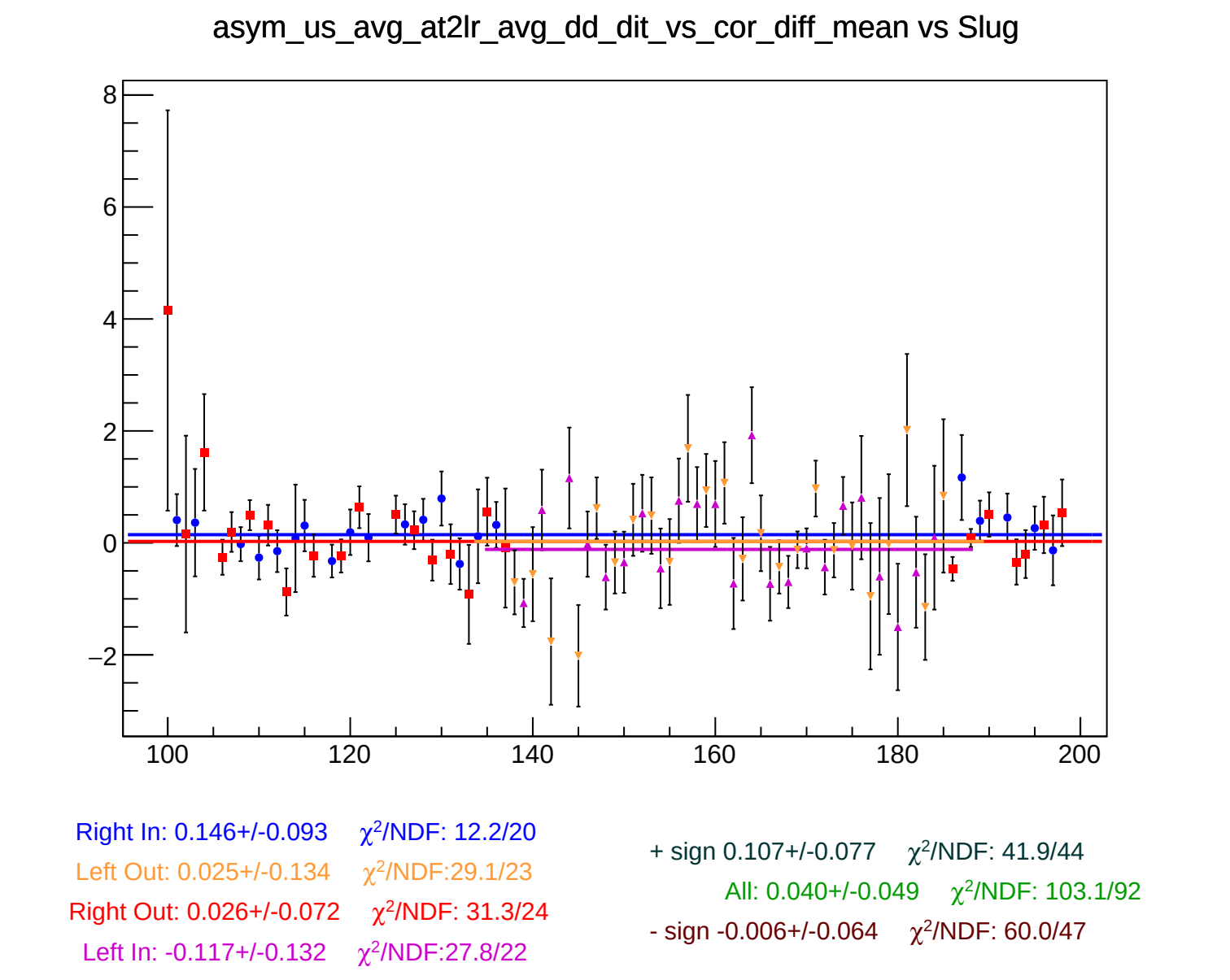
Right Out: 0.000+/-0.000 χ^2/NDF: 3893420.6/24

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5388320.3/44

All: 0.000+/-0.000 χ^2/NDF: 11351059.7/92

- sign 0.000+/-0.000 χ^2/NDF: 5960870.3/47


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
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−2
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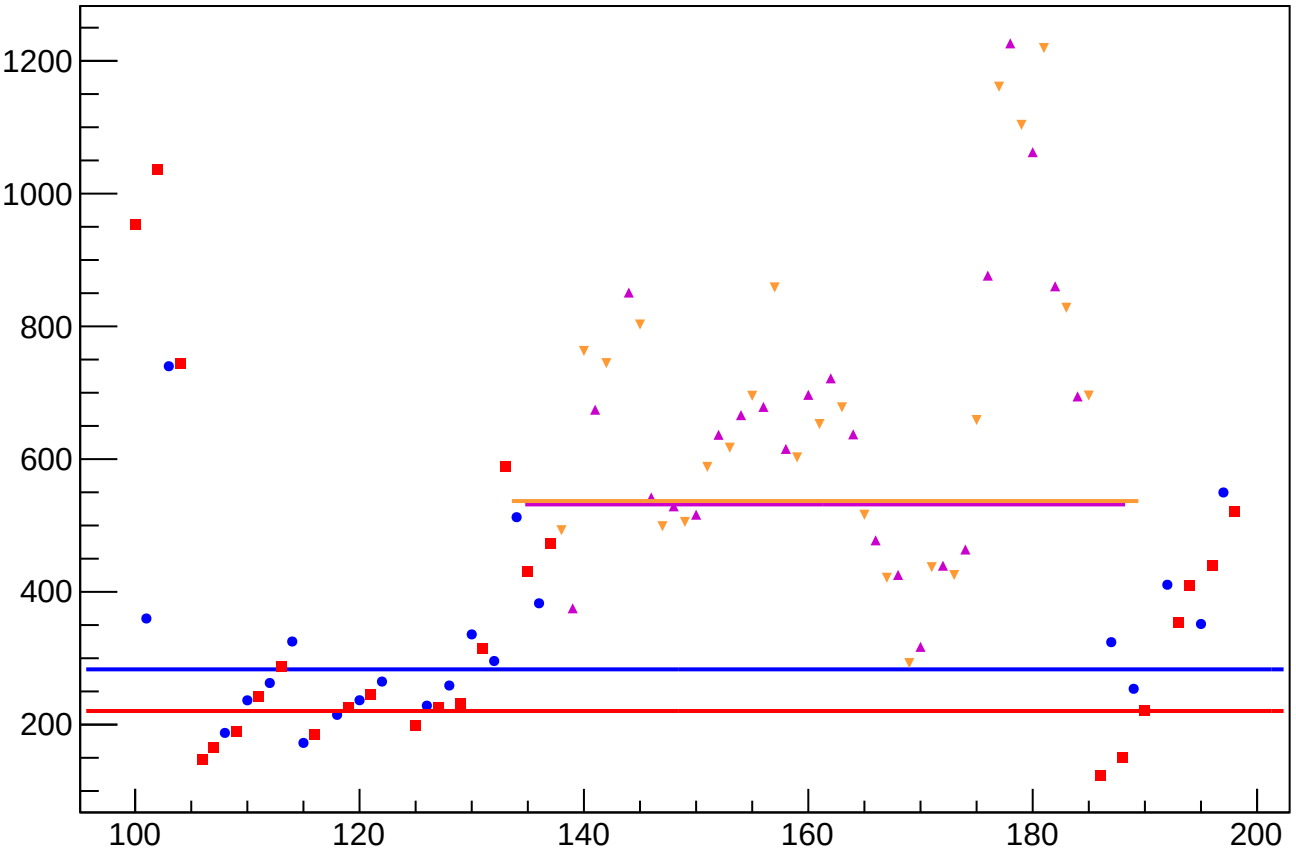
140
160
180
200
Right In: 0.146+/-0.093 χ²/NDF: 12.2/20
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.026+/-0.072 χ²/NDF: 31.3/24
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.107+/-0.077 χ²/NDF: 41.9/44
All: 0.040+/-0.049 χ²/NDF: 103.1/92
- sign -0.006+/-0.064 χ²/NDF: 60.0/47



Right In: 283.259+/-0.066 χ^2/NDF: 1970071.3/20

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

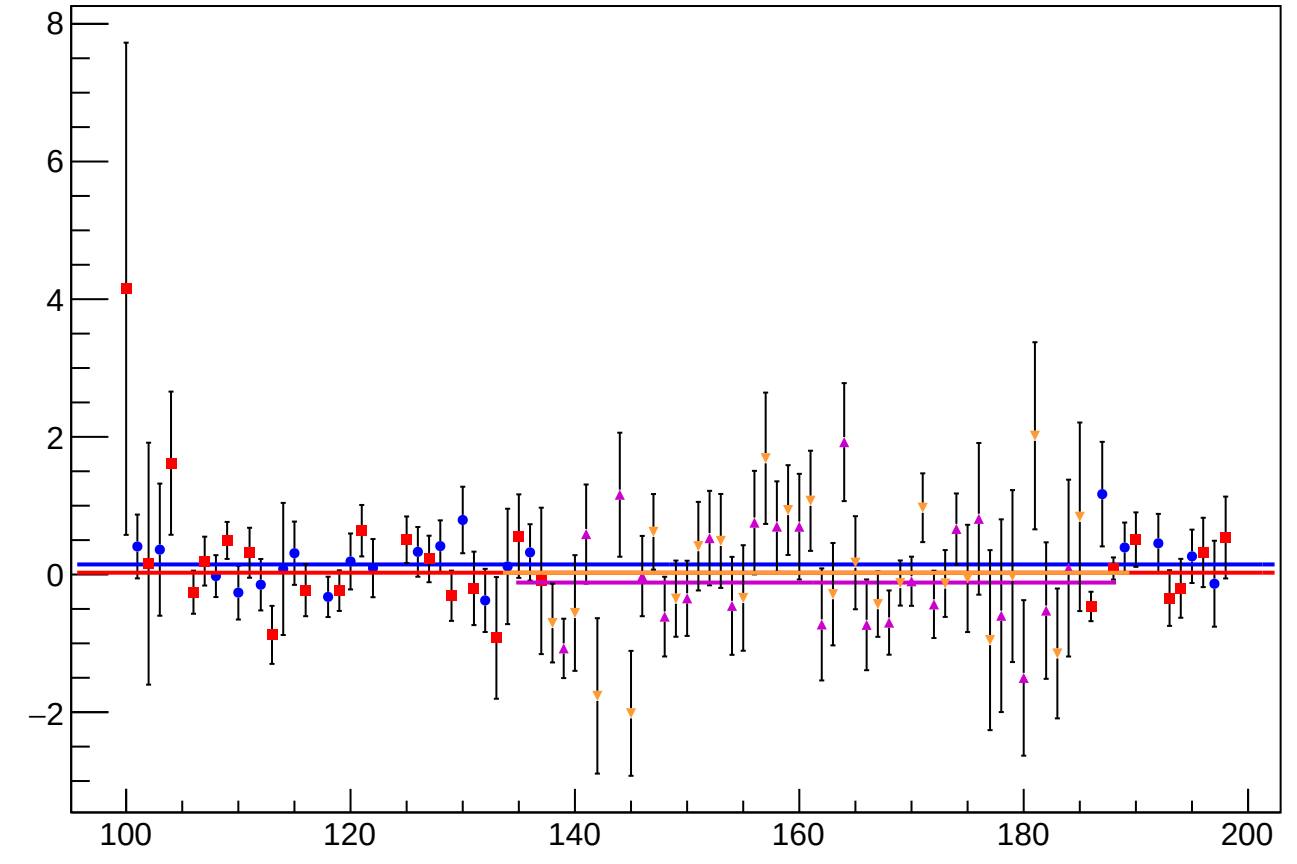
Right Out: 220.542+/-0.051 χ^2/NDF: 4353521.3/24

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 366.192+/-0.054 χ^2/NDF: 10754452.5/44

All: 322.326+/-0.035 χ^2/NDF: 28095871.8/92

- sign 292.156+/-0.045 χ^2/NDF: 16234942.5/47



Right In: 0.146+/-0.093 χ^2/NDF: 12.2/20

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

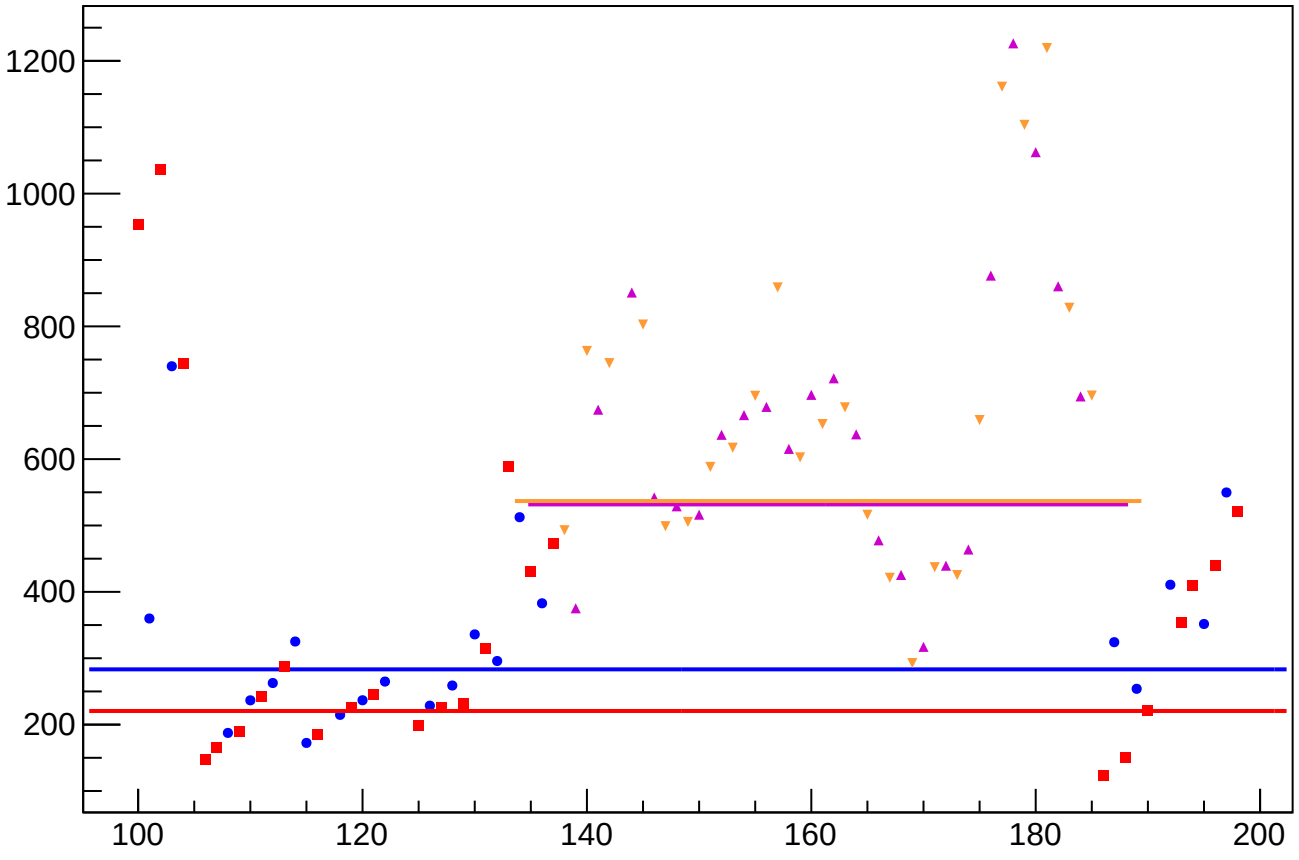
Right Out: 0.026+/-0.072 χ^2/NDF: 31.3/24

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.107+/-0.077 χ^2/NDF: 41.9/44

All: 0.040+/-0.049 χ^2/NDF: 103.1/92

- sign -0.006+/-0.064 χ^2/NDF: 60.0/47



Right In: 283.259+/-0.066 χ^2/NDF: 1970071.3/20

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

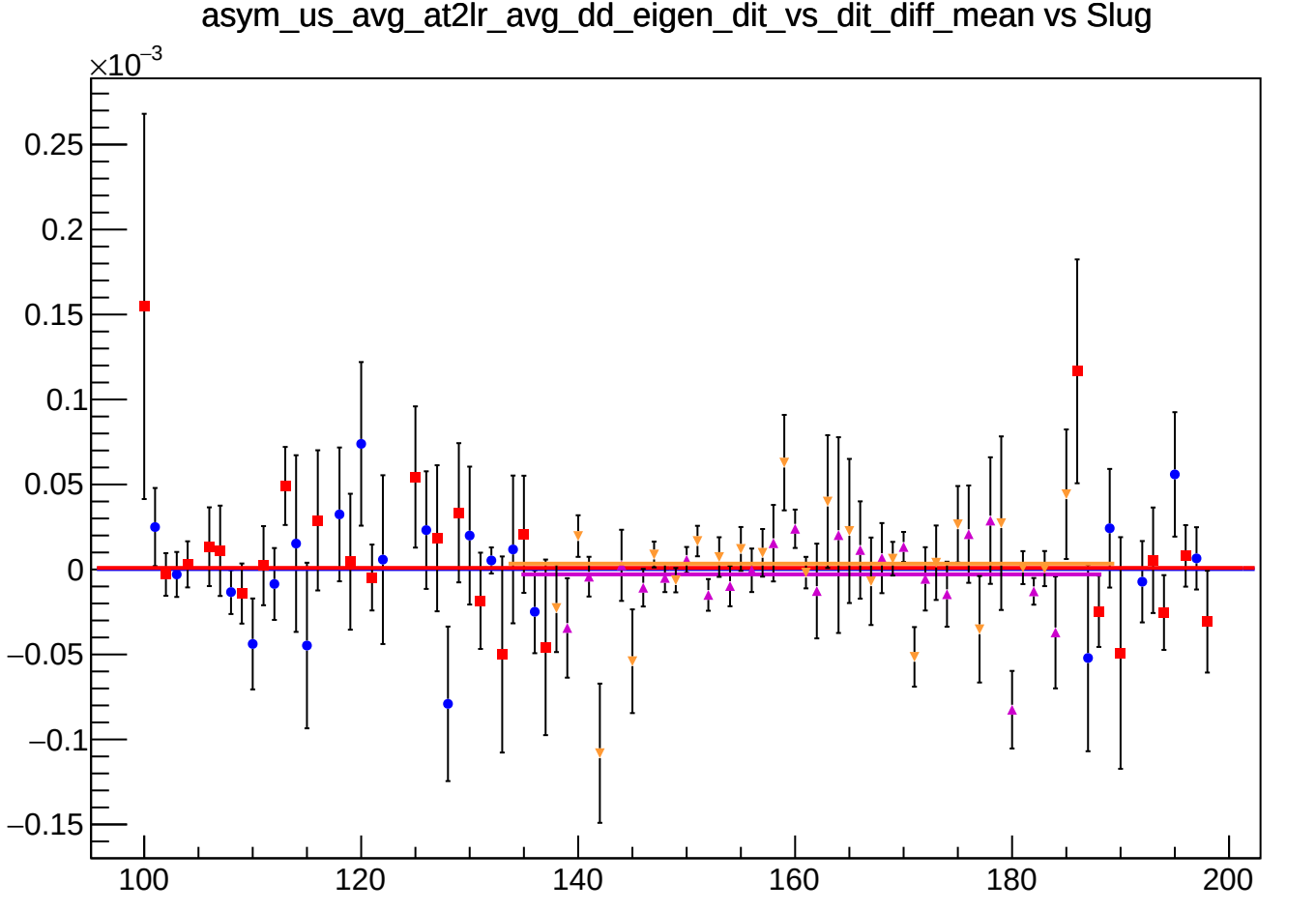
Right Out: 220.542+/-0.051 χ^2/NDF: 4353521.3/24

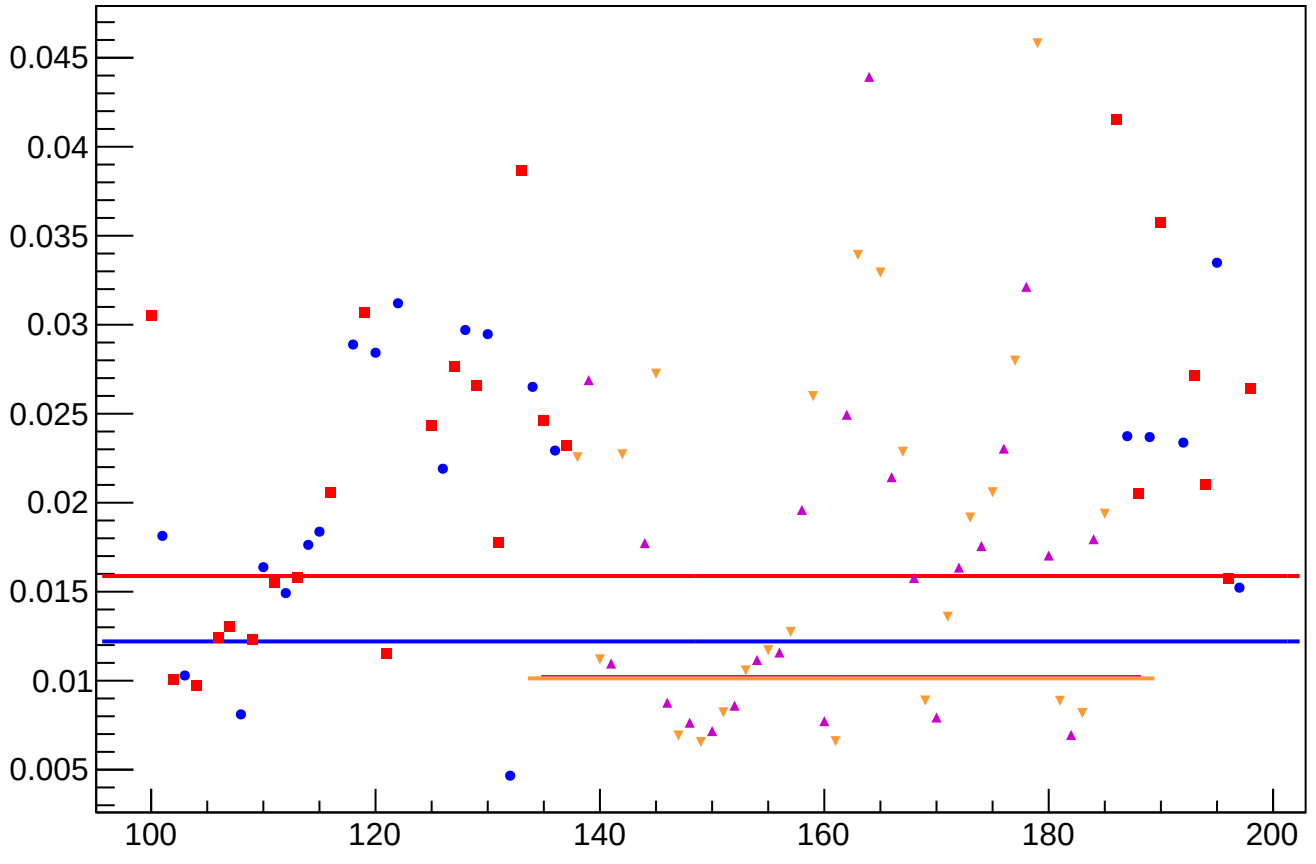
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 366.192+/-0.054 χ^2/NDF: 10754452.5/44

All: 322.326+/-0.035 χ^2/NDF: 28095871.8/92

- sign 292.156+/-0.045 χ^2/NDF: 16234942.5/47


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.4/20
Left Out: 0.000+/-0.000 χ²/NDF:39.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/24
Left In: -0.000+/-0.000 χ²/NDF:32.2/22
+ sign 0.000+/-0.000 χ²/NDF: 57.8/44
All: 0.000+/-0.000 χ²/NDF: 113.0/92
- sign -0.000+/-0.000 χ²/NDF: 53.4/47



Right In: 0.012+/-0.000 χ^2/NDF: 6214076.2/20

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 3473921.8/24

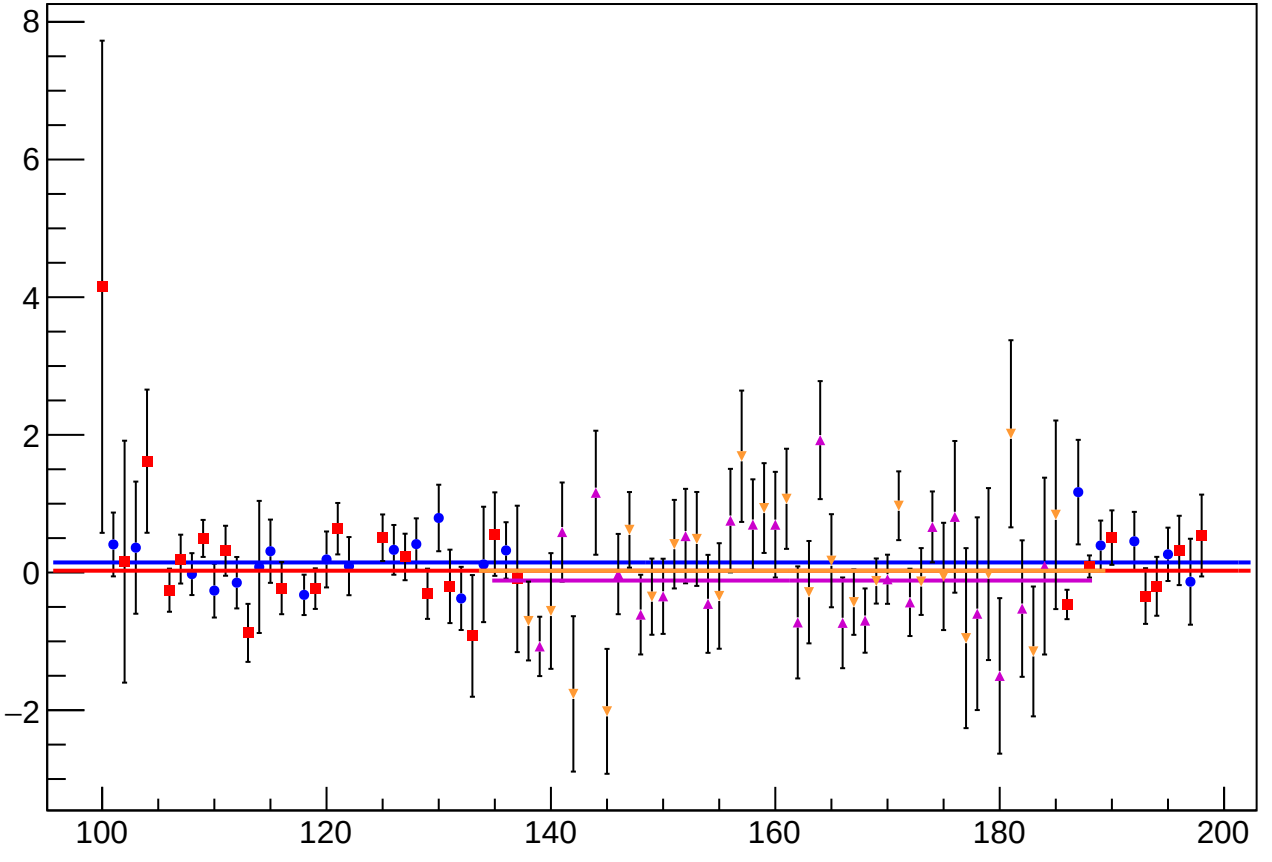
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 14326373.7/44

All: 0.011+/-0.000 χ^2/NDF: 25996928.9/92

- sign 0.012+/-0.000 χ^2/NDF: 11534911.7/47

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.146+/-0.093 χ^2/NDF: 12.2/20

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

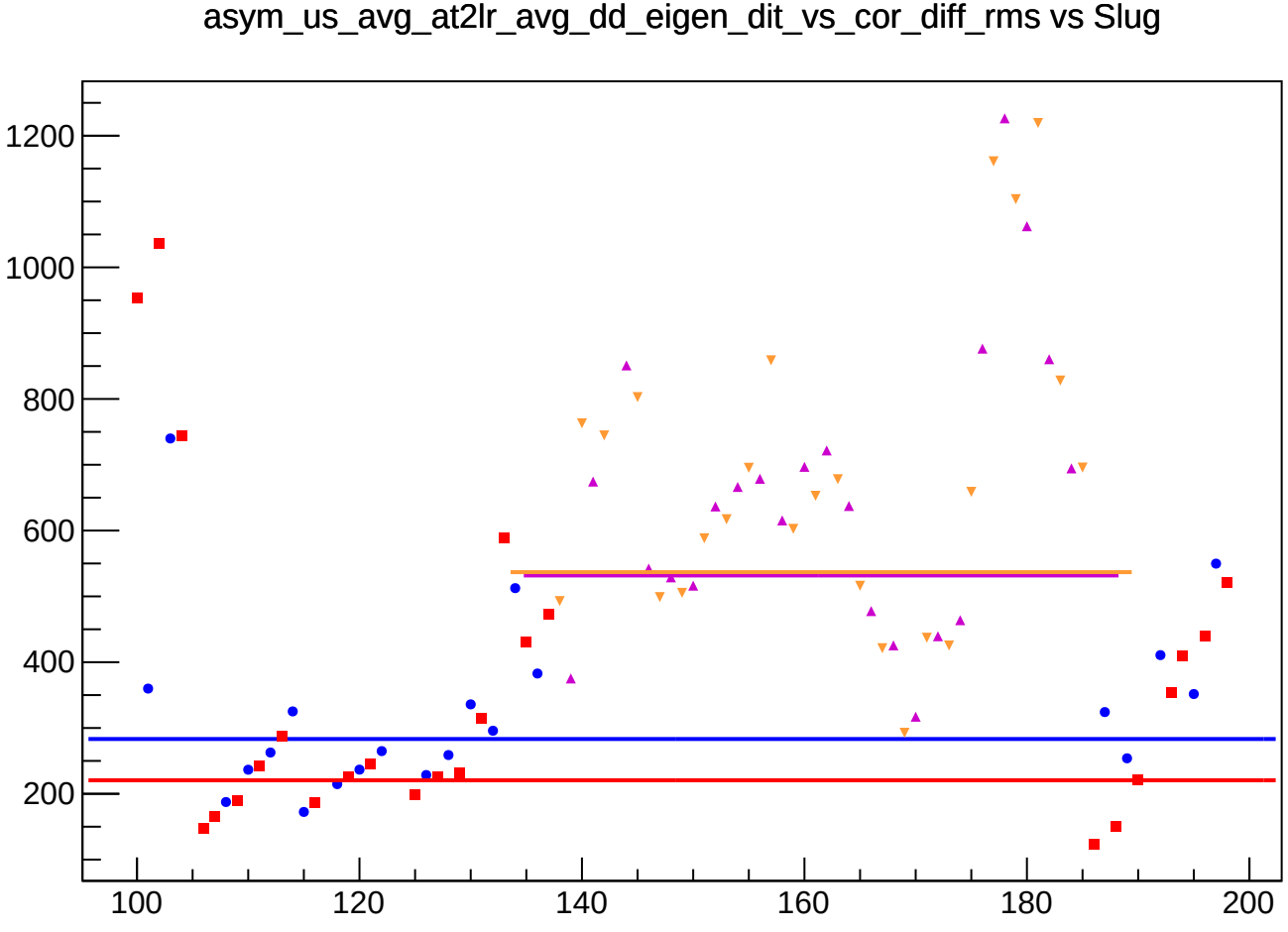
Right Out: 0.027+/-0.072 χ^2/NDF: 31.3/24

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.107+/-0.077 χ^2/NDF: 41.9/44

All: 0.040+/-0.049 χ^2/NDF: 103.1/92

- sign -0.006+/-0.064 χ^2/NDF: 60.0/47


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
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400
200
100
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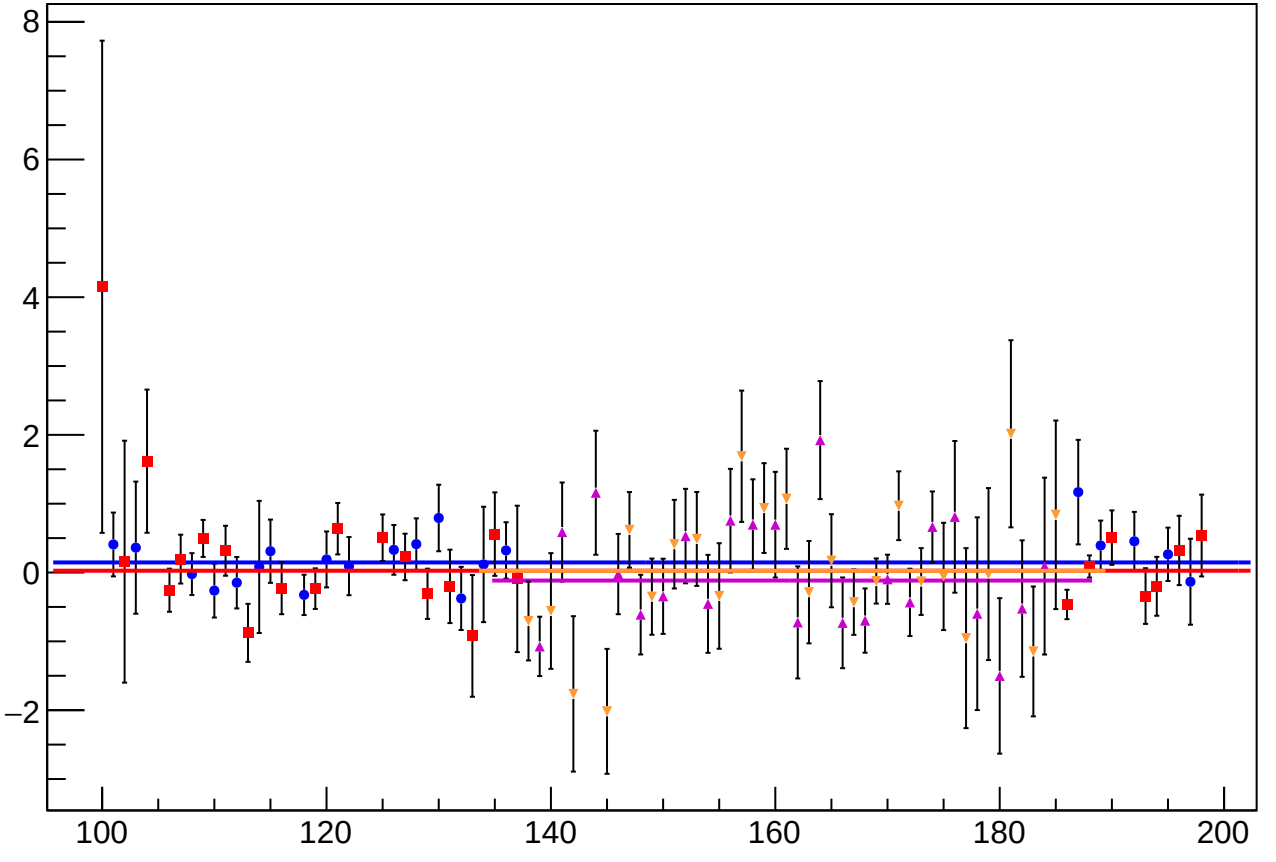
140
160
180
200
Right In: 283.257+/-0.066 χ²/NDF: 1970058.8/20
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 220.540+/-0.051 χ²/NDF: 4353626.7/24
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 366.190+/-0.054 χ²/NDF: 10754711.4/44
All: 322.323+/-0.035 χ²/NDF: 28096607.3/92
- sign 292.153+/-0.045 χ²/NDF: 16235387.6/47

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.146+/-0.093 χ^2/NDF: 12.2/20

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

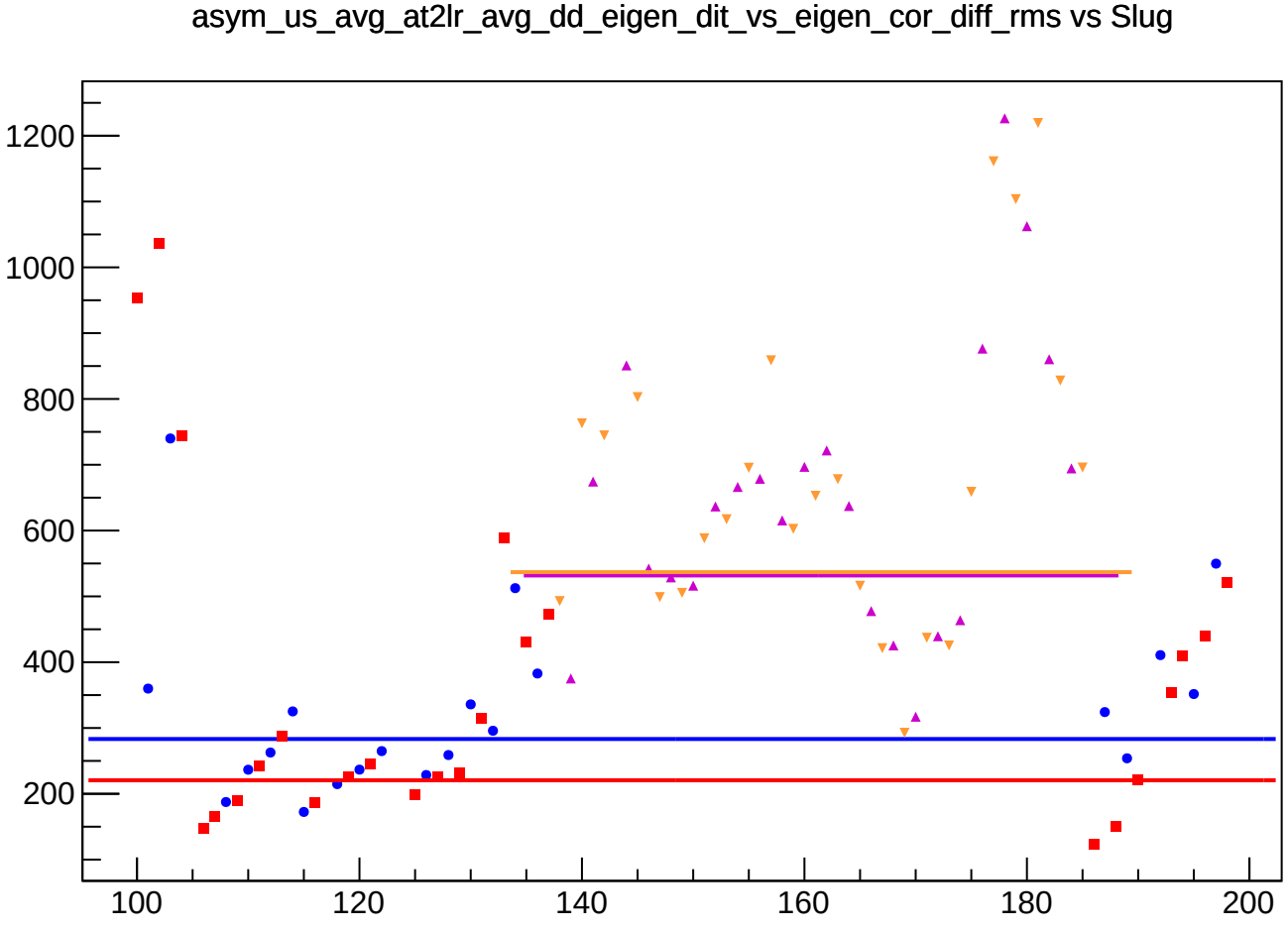
Right Out: 0.027+/-0.072 χ^2/NDF: 31.3/24

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.107+/-0.077 χ^2/NDF: 41.9/44

All: 0.040+/-0.049 χ^2/NDF: 103.1/92

- sign -0.006+/-0.064 χ^2/NDF: 60.0/47



Right In: 283.257+/-0.066 χ^2/NDF: 1970058.8/20

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

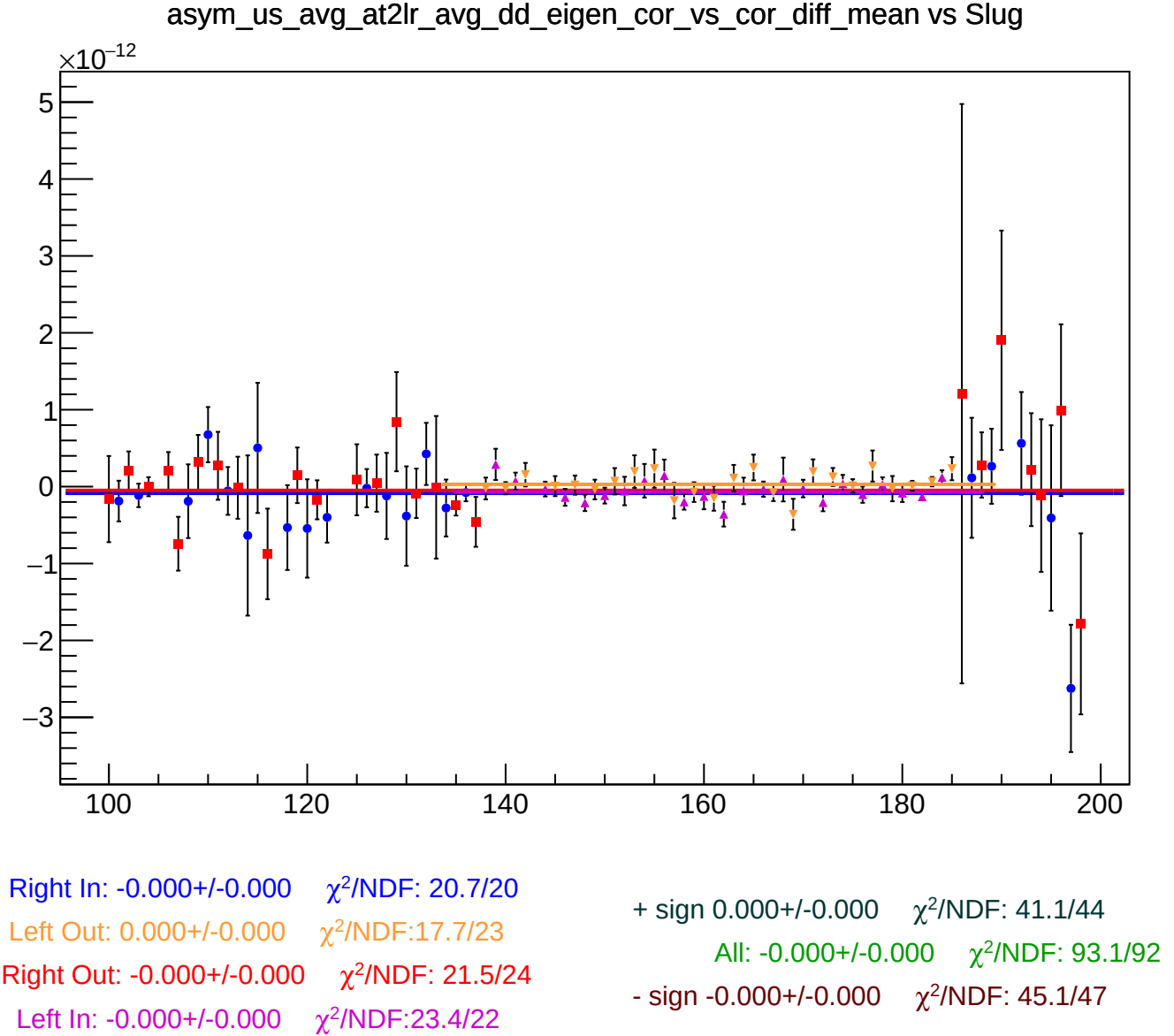
Right Out: 220.540+/-0.051 χ^2/NDF: 4353626.7/24

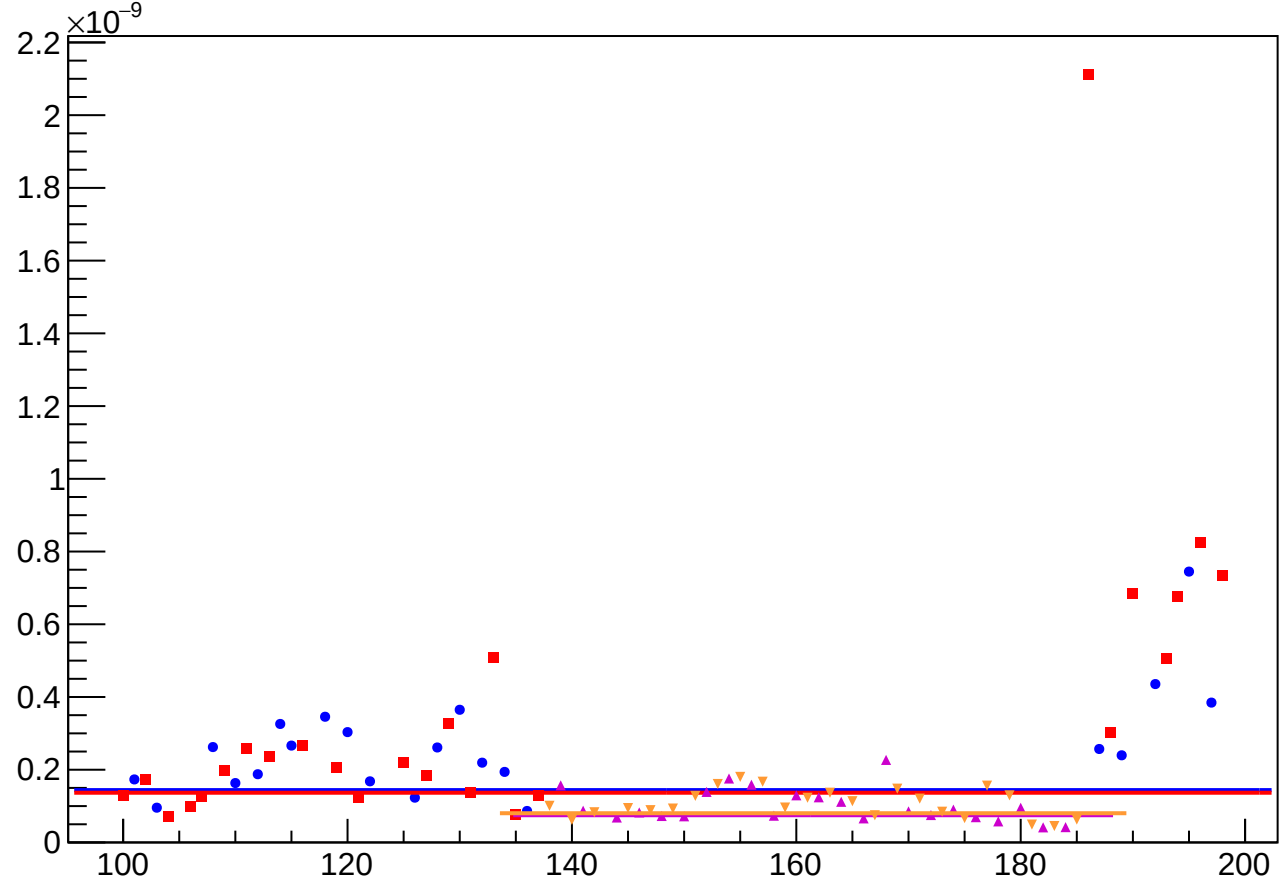
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 366.190+/-0.054 χ^2/NDF: 10754711.4/44

All: 322.323+/-0.035 χ^2/NDF: 28096607.3/92

- sign 292.153+/-0.045 χ^2/NDF: 16235387.6/47


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.7/20
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 21.5/24
Left In: -0.000+/-0.000 χ²/NDF:23.4/22
+ sign 0.000+/-0.000 χ²/NDF: 41.1/44
All: -0.000+/-0.000 χ²/NDF: 93.1/92
- sign -0.000+/-0.000 χ²/NDF: 45.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 3019893.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5627411.6/24

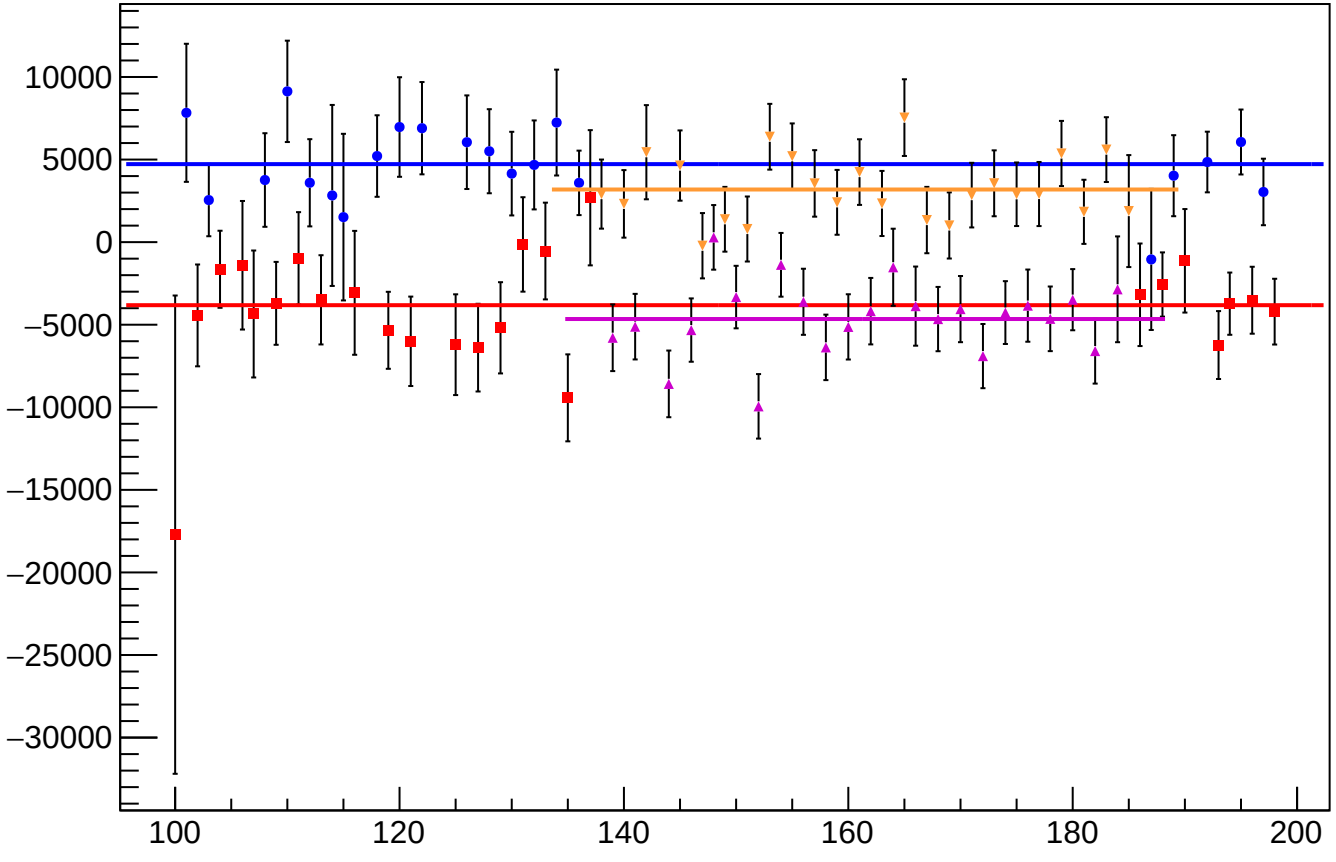
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8327020.2/44

All: 0.000+/-0.000 χ^2/NDF: 19370765.9/92

- sign 0.000+/-0.000 χ^2/NDF: 10983082.0/47

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4723.811+/-570.765 χ^2/NDF: 10.0/20

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3817.467+/-530.788 χ^2/NDF: 18.8/24

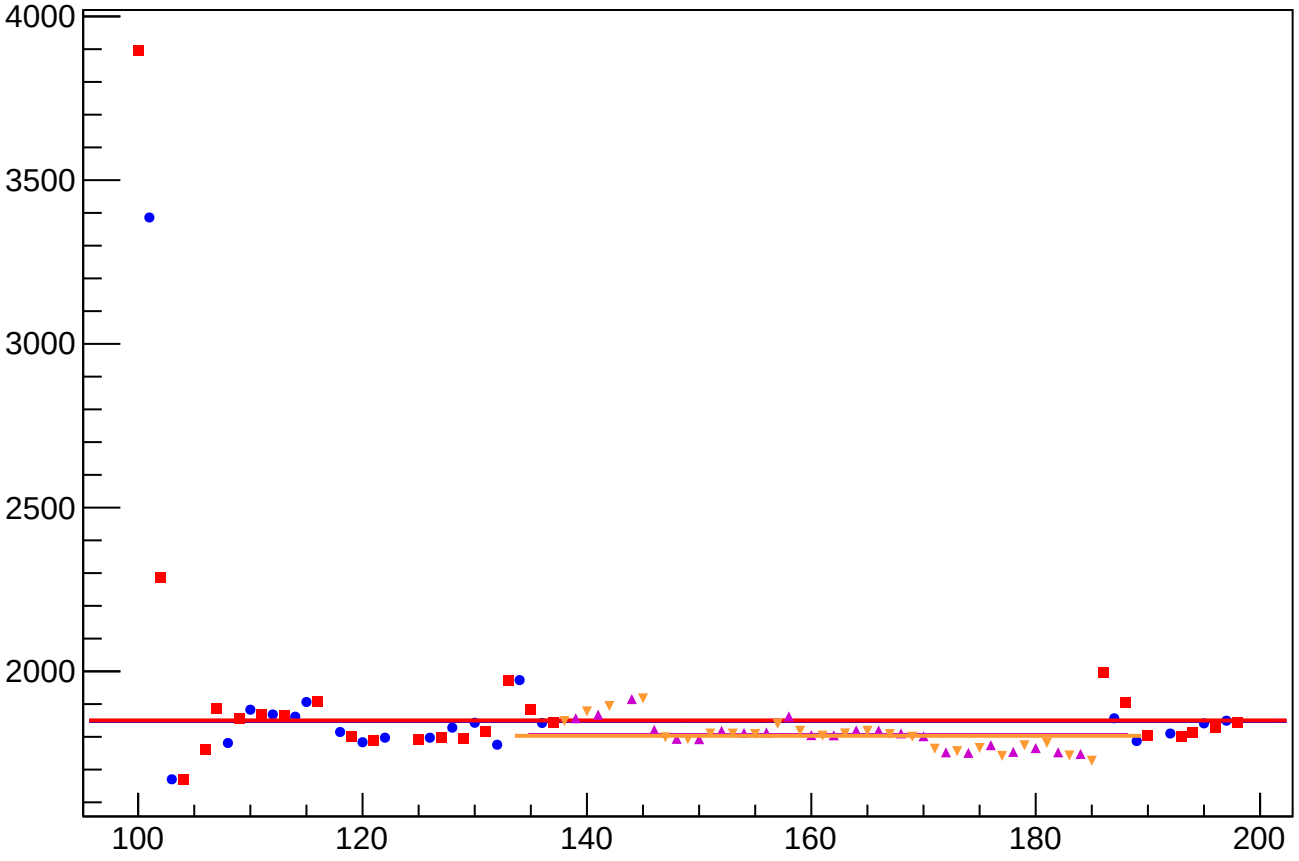
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3724.617+/-337.560 χ^2/NDF: 34.6/44

All: -392.291+/-236.037 χ^2/NDF: 373.7/92

- sign -4331.048+/-330.176 χ^2/NDF: 48.0/47

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1848.394+/-0.404 χ^2/NDF: 294995.4/20

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

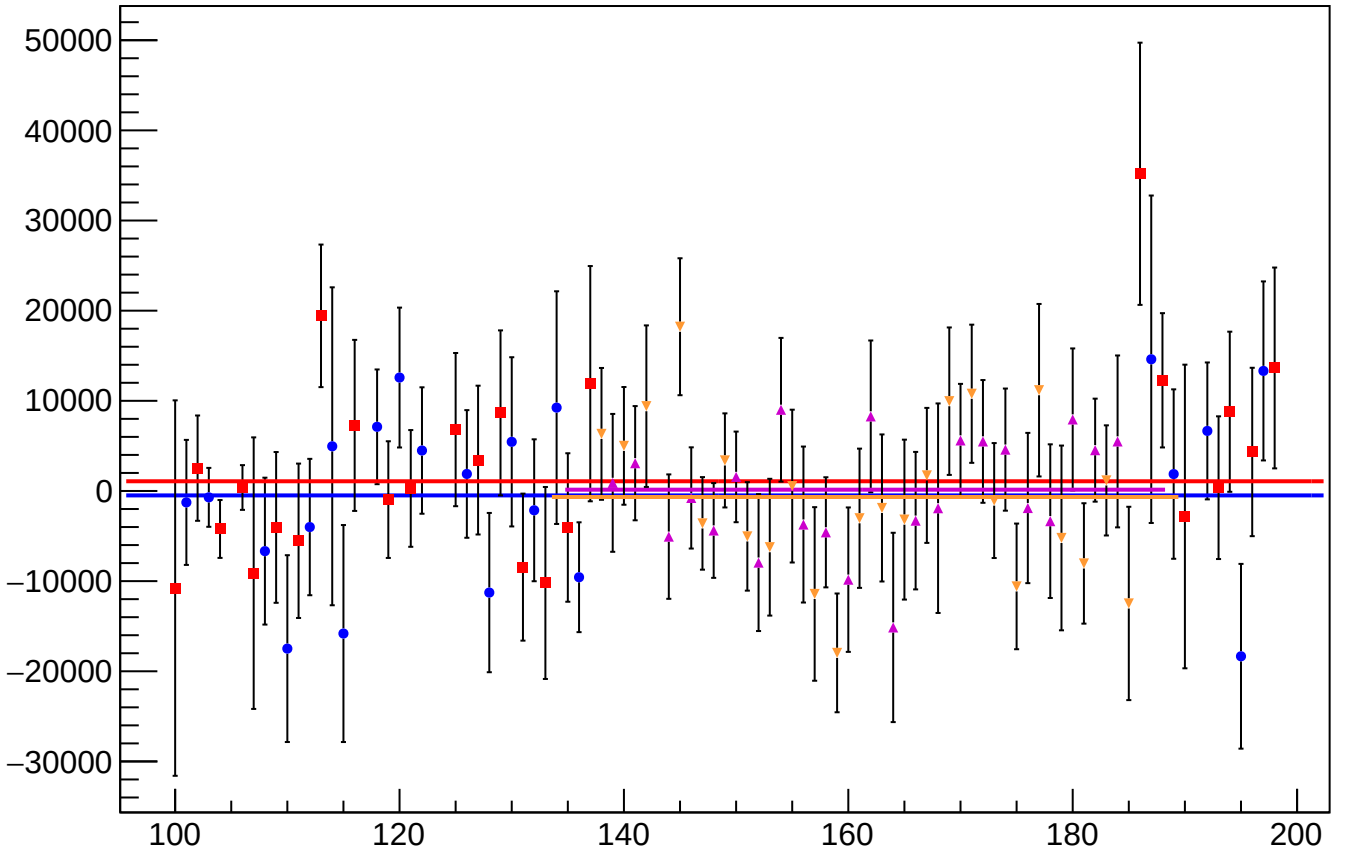
Right Out: 1850.086+/-0.375 χ^2/NDF: 110846.9/24

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1818.952+/-0.239 χ^2/NDF: 323820.8/44

All: 1820.933+/-0.167 χ^2/NDF: 462764.5/92

- sign 1822.826+/-0.233 χ^2/NDF: 138809.0/47



Right In: -491.249+/-1638.097 χ^2/NDF: 21.4/20

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

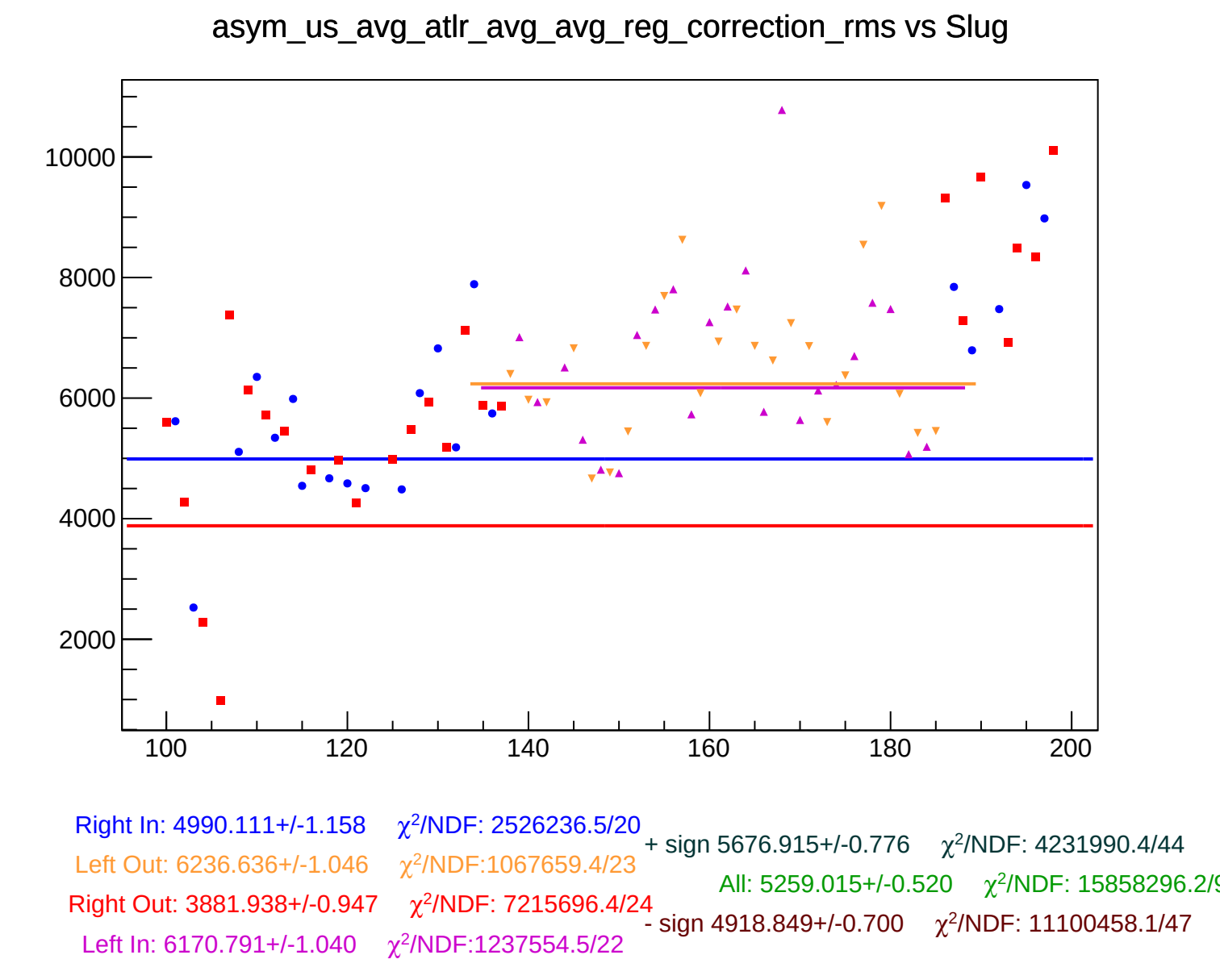
Right Out: 1077.295+/-1339.062 χ^2/NDF: 25.3/24

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

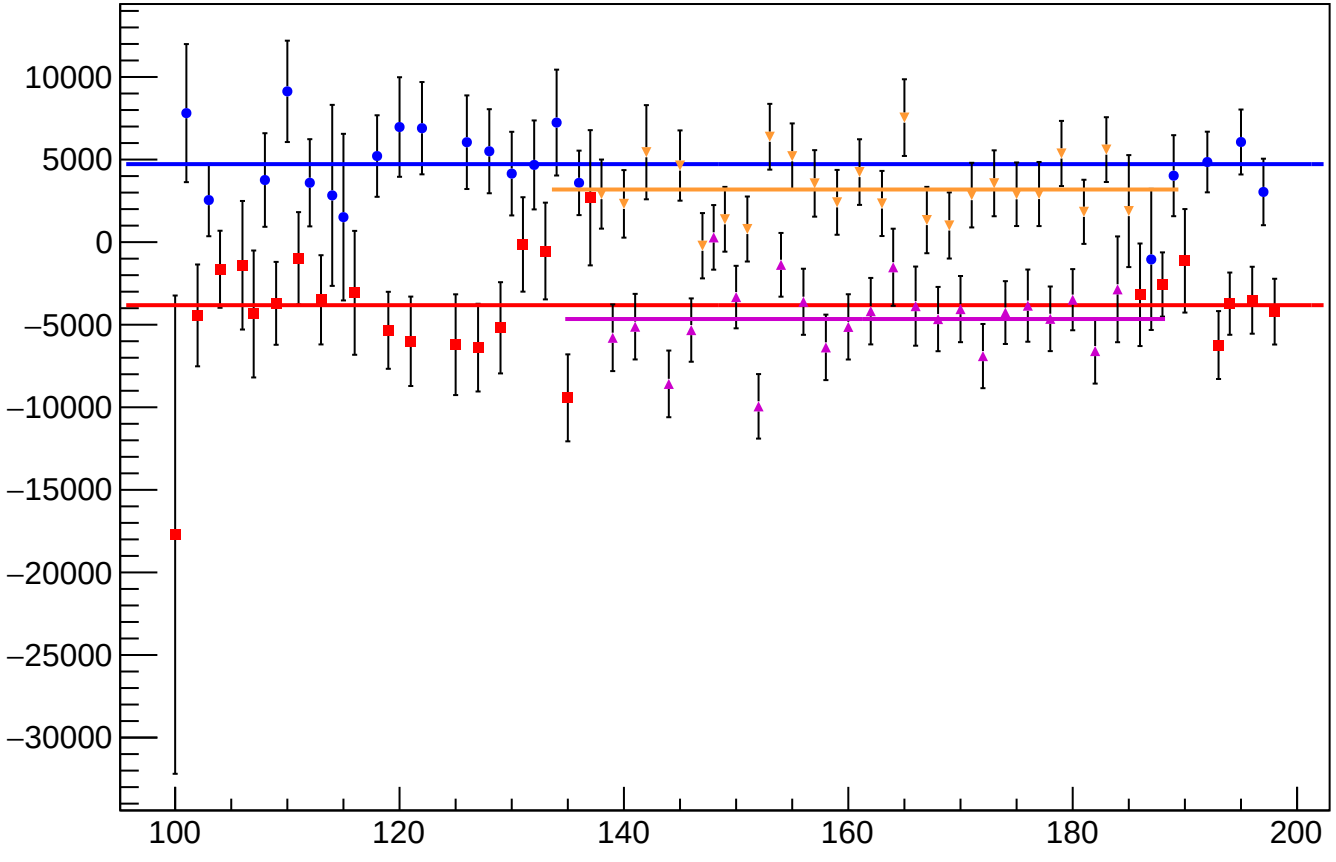
+ sign -588.217+/-1097.678 χ^2/NDF: 51.2/44

All: 96.710+/-735.304 χ^2/NDF: 91.0/92

- sign 654.232+/-990.339 χ^2/NDF: 39.1/47


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 4990.111+/-1.158 χ²/NDF: 2526236.5/20
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3881.938+/-0.947 χ²/NDF: 7215696.4/24
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
+ sign 5676.915+/-0.776 χ²/NDF: 4231990.4/44
All: 5259.015+/-0.520 χ²/NDF: 15858296.2/9
- sign 4918.849+/-0.700 χ²/NDF: 11100458.1/47

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4723.533+/-570.765 χ^2/NDF: 10.0/20

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3817.328+/-530.788 χ^2/NDF: 18.8/24

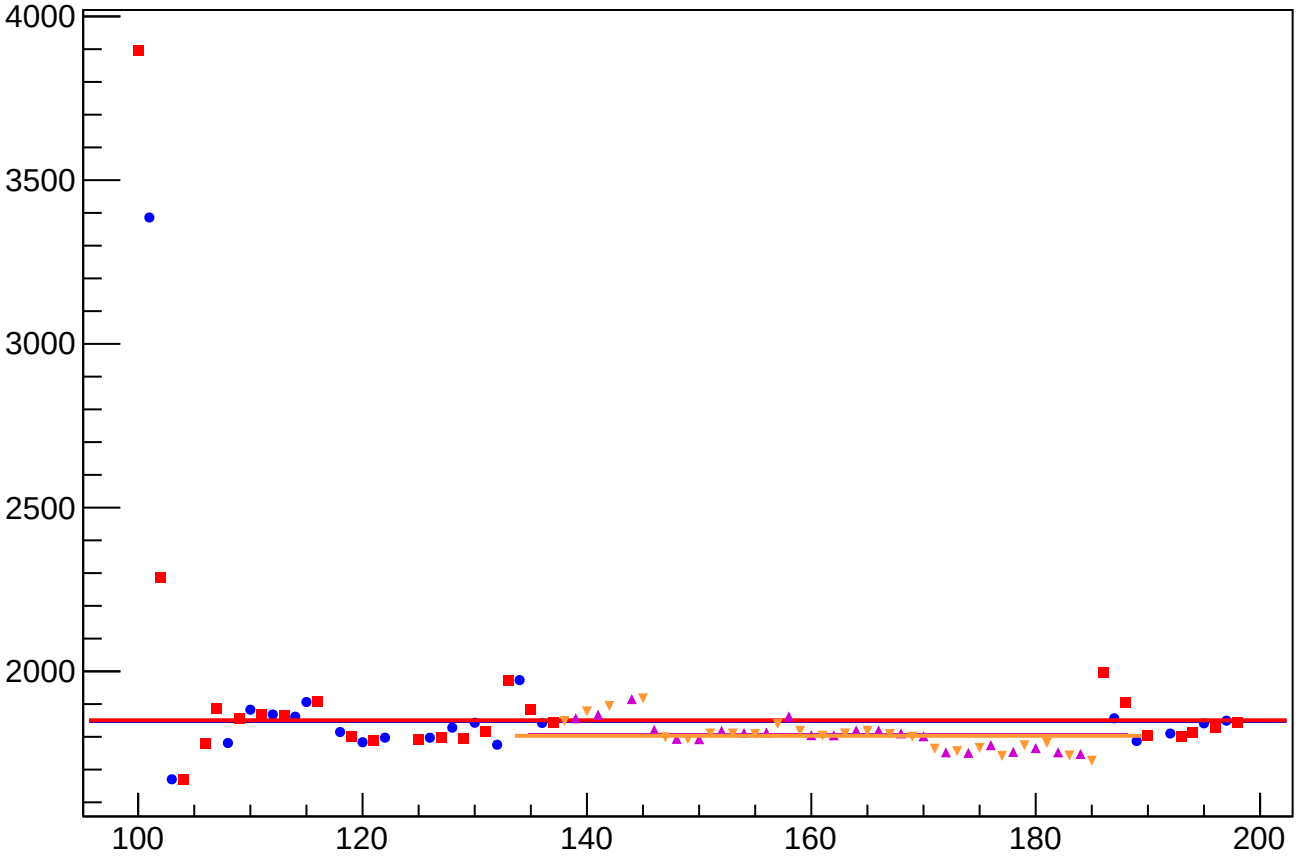
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3724.475+/-337.560 χ^2/NDF: 34.6/44

All: -392.339+/-236.037 χ^2/NDF: 373.7/92

- sign -4331.006+/-330.176 χ^2/NDF: 48.0/47

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1848.394+/-0.404 χ^2/NDF: 294997.3/20

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

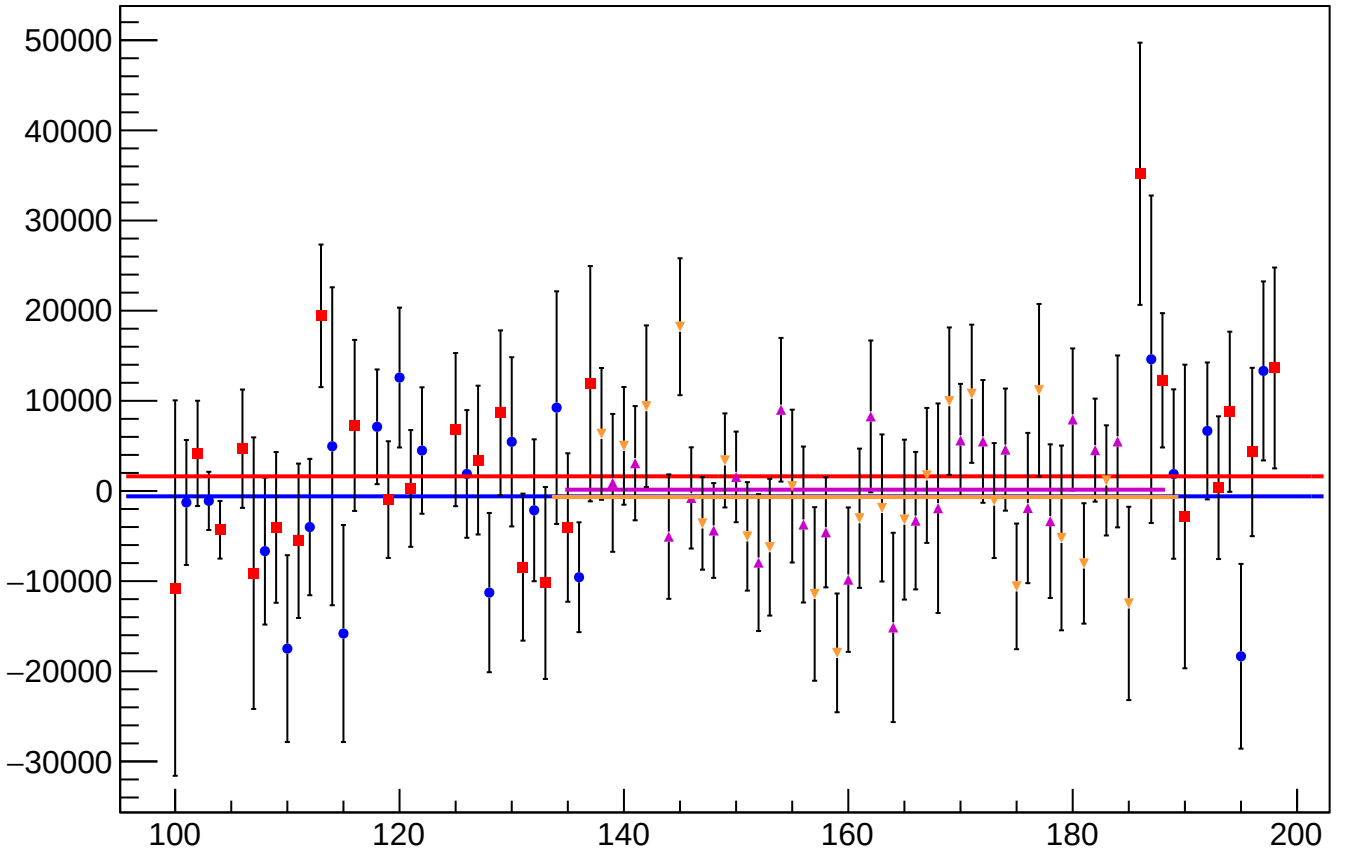
Right Out: 1850.497+/-0.375 χ^2/NDF: 110397.3/24

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.952+/-0.239 χ^2/NDF: 323822.6/44

All: 1821.012+/-0.167 χ^2/NDF: 462486.0/92

- sign 1822.981+/-0.233 χ^2/NDF: 138517.7/47



Right In: -593.891+/-1633.046 χ^2/NDF: 21.5/20

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: 1624.850+/-1543.997 χ^2/NDF: 25.7/24

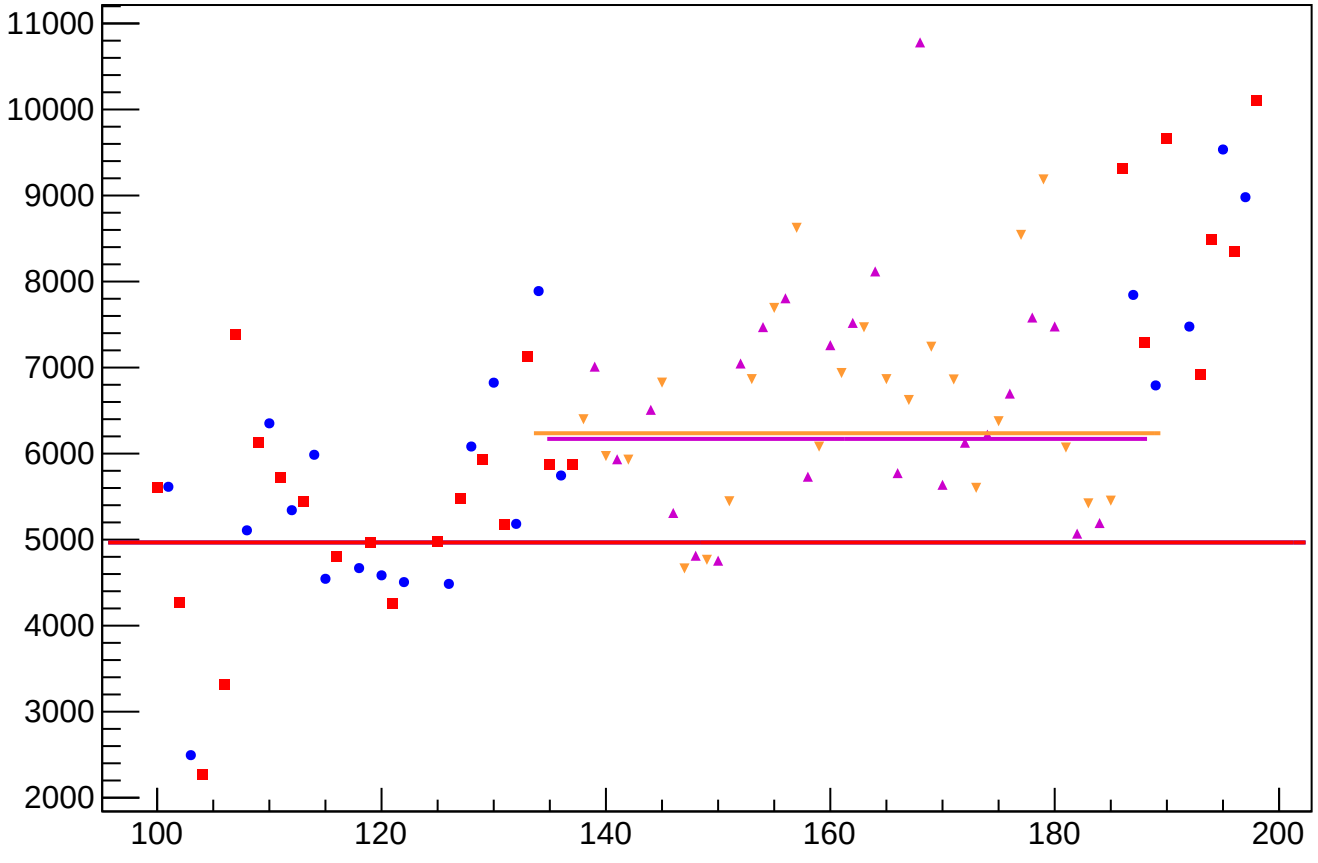
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -634.195+/-1096.154 χ^2/NDF: 51.2/44

All: 128.379+/-763.906 χ^2/NDF: 92.0/92

- sign 848.448+/-1065.166 χ^2/NDF: 39.8/47

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4967.040+/-1.155 χ^2/NDF: 2583048.3/20

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

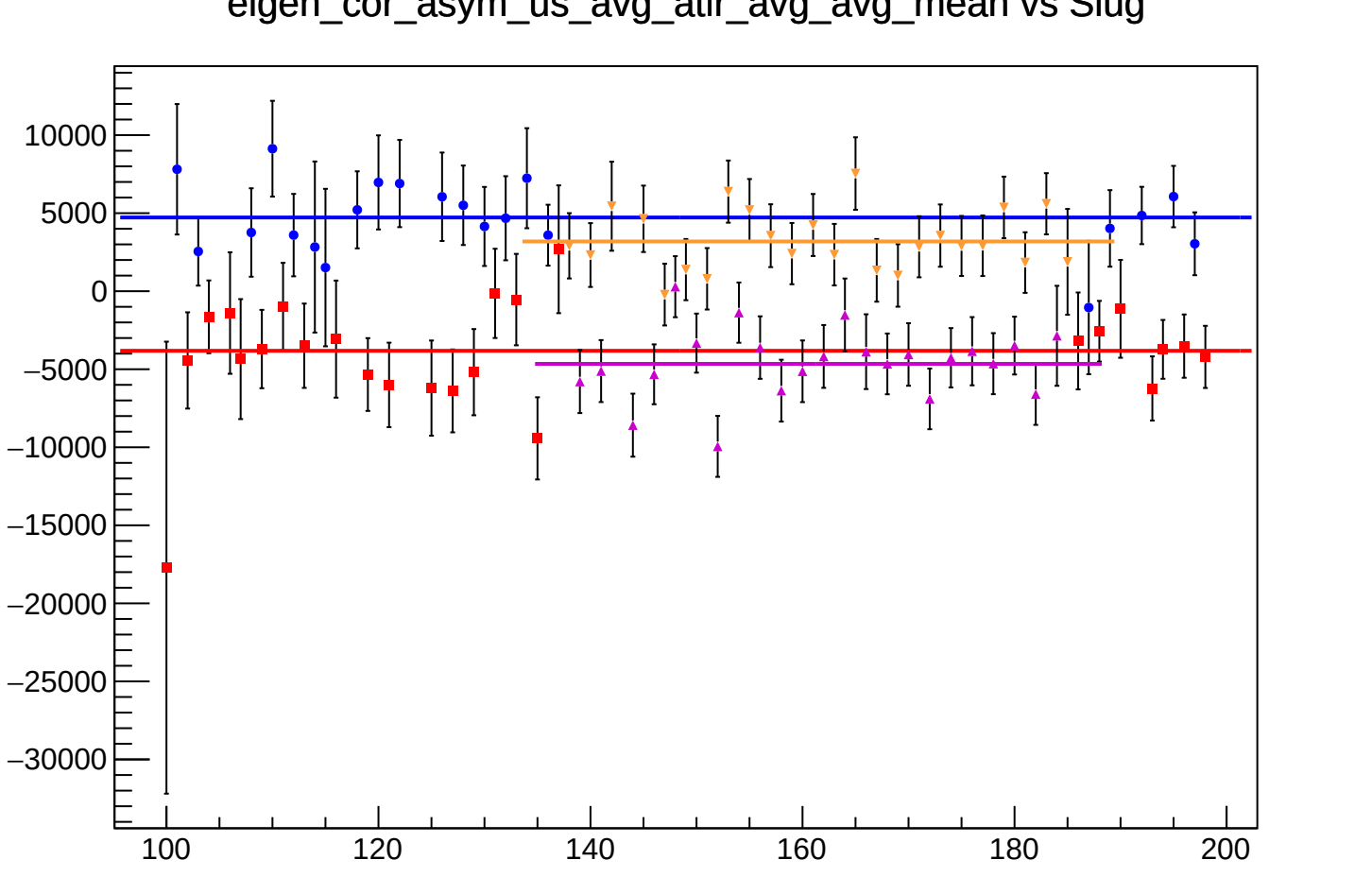
Right Out: 4967.050+/-1.092 χ^2/NDF: 3521507.7/24

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5664.615+/-0.775 χ^2/NDF: 4314898.4/44

All: 5630.299+/-0.540 χ^2/NDF: 9714858.4/92

- sign 5597.895+/-0.753 χ^2/NDF: 5396149.0/47



Right In: 4723.533+/-570.765 χ^2/NDF: 10.0/20

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3817.328+/-530.788 χ^2/NDF: 18.8/24

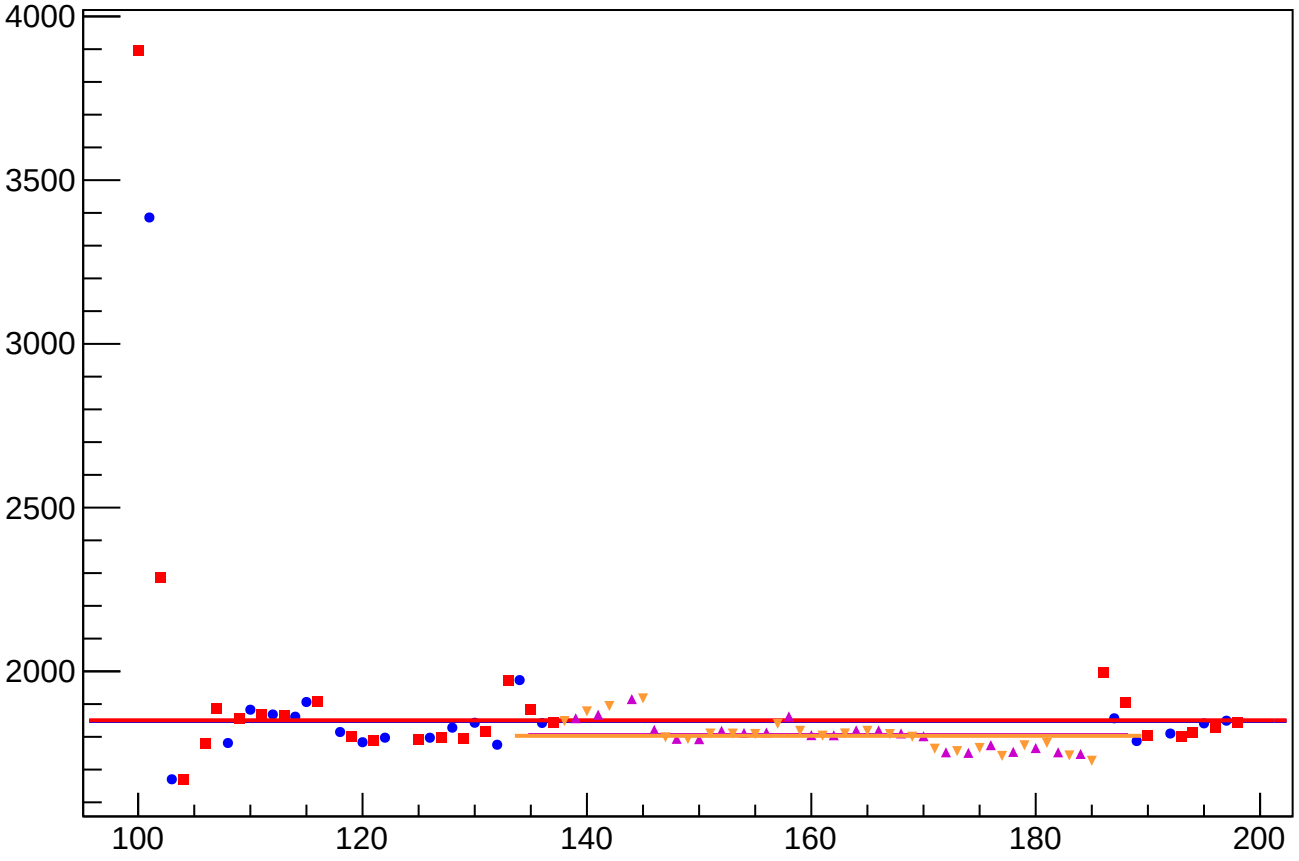
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3724.475+/-337.560 χ^2/NDF: 34.6/44

All: -392.339+/-236.037 χ^2/NDF: 373.7/92

- sign -4331.006+/-330.176 χ^2/NDF: 48.0/47

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1848.394+/-0.404 χ^2/NDF: 294997.3/20

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

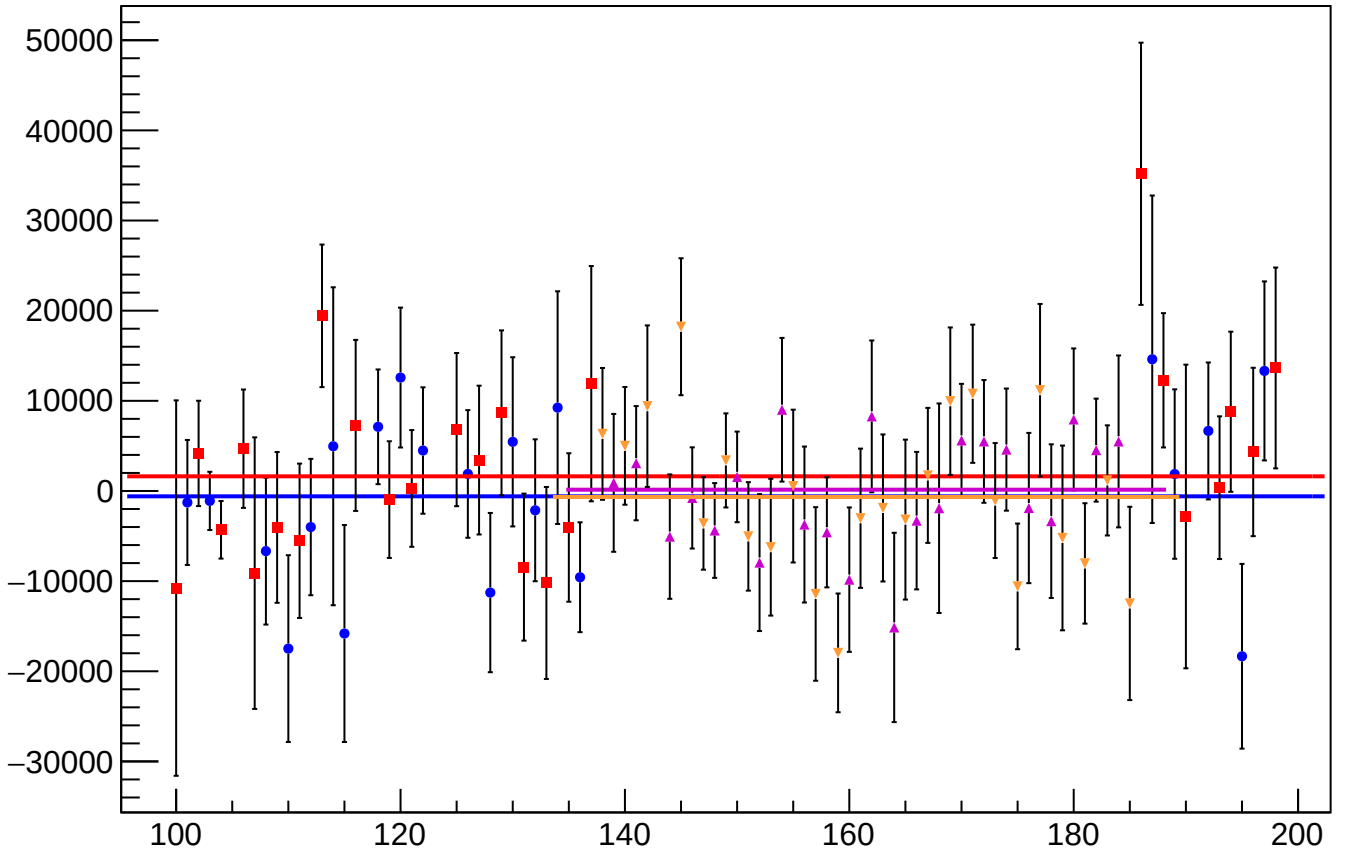
Right Out: 1850.497+/-0.375 χ^2/NDF: 110397.3/24

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.952+/-0.239 χ^2/NDF: 323822.6/44

All: 1821.012+/-0.167 χ^2/NDF: 462486.0/92

- sign 1822.981+/-0.233 χ^2/NDF: 138517.7/47



Right In: -593.891+/-1633.046 χ^2/NDF: 21.5/20

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

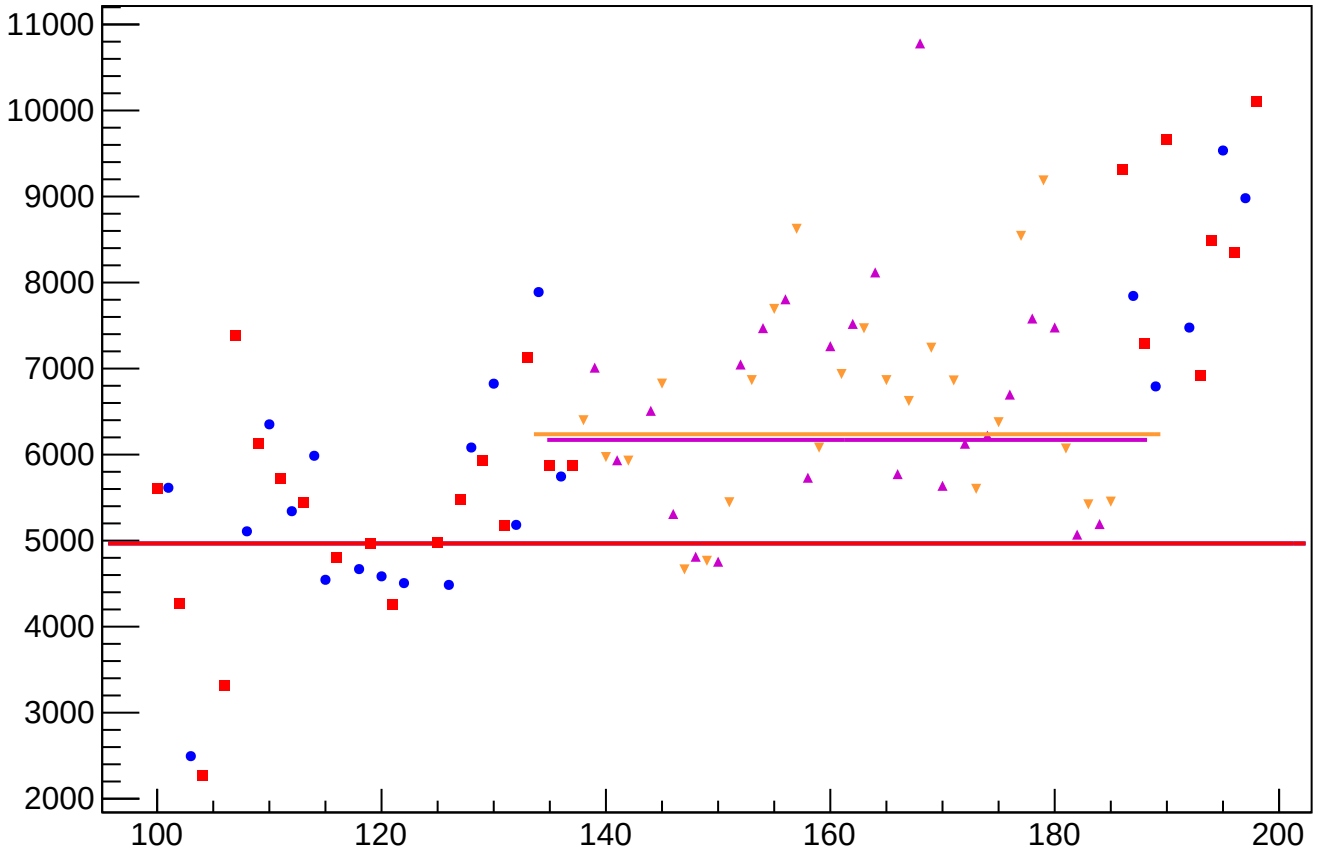
Right Out: 1624.850+/-1543.997 χ^2/NDF: 25.7/24

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -634.195+/-1096.154 χ^2/NDF: 51.2/44

All: 128.379+/-763.906 χ^2/NDF: 92.0/92

- sign 848.448+/-1065.166 χ^2/NDF: 39.8/47



Right In: 4967.040+/-1.155 χ^2/NDF: 2583048.3/20

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4967.050+/-1.092 χ^2/NDF: 3521507.7/24

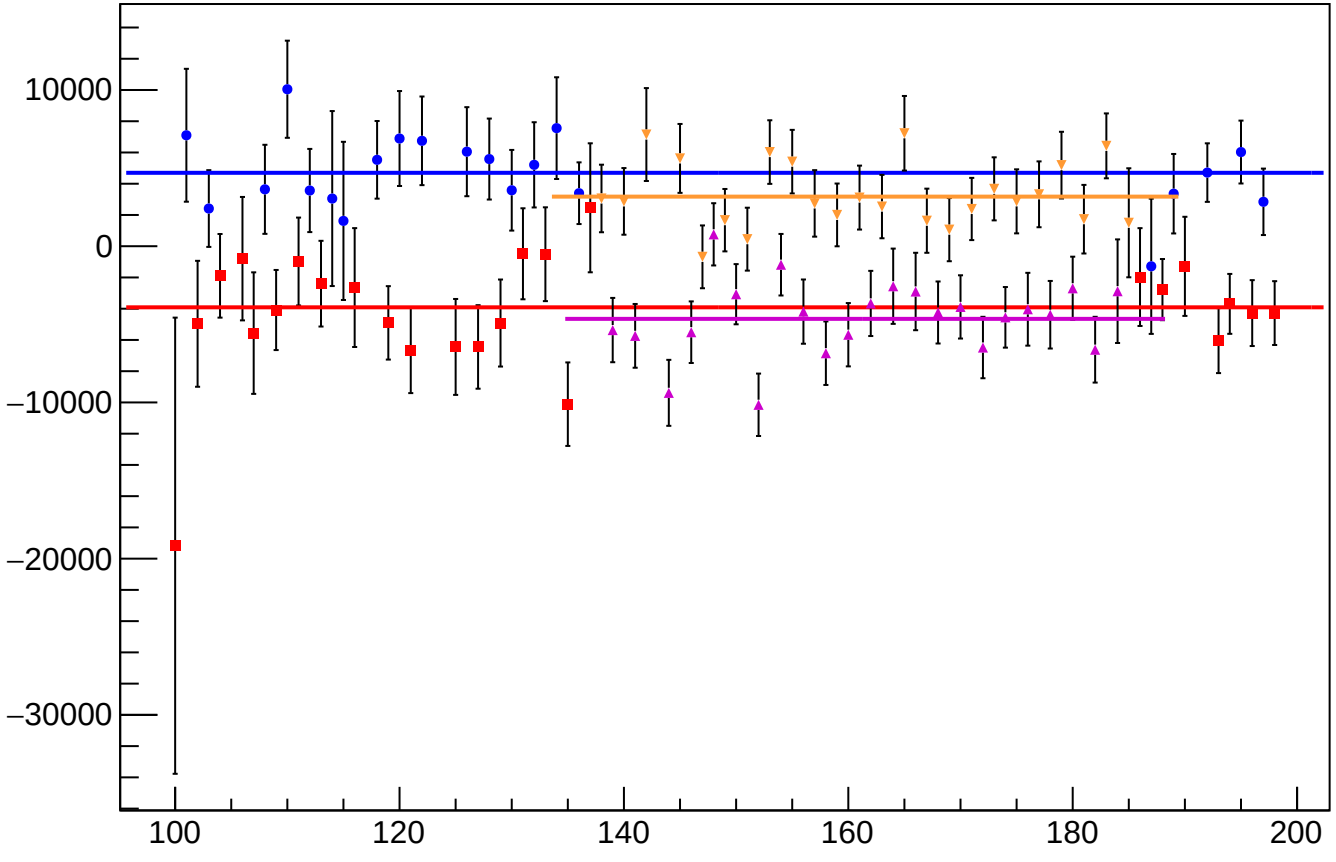
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5664.615+/-0.775 χ^2/NDF: 4314898.4/44

All: 5630.299+/-0.540 χ^2/NDF: 9714858.4/92

- sign 5597.895+/-0.753 χ^2/NDF: 5396149.0/47

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4698.997+/-585.001 χ^2/NDF: 11.2/20

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3911.400+/-545.221 χ^2/NDF: 19.9/24

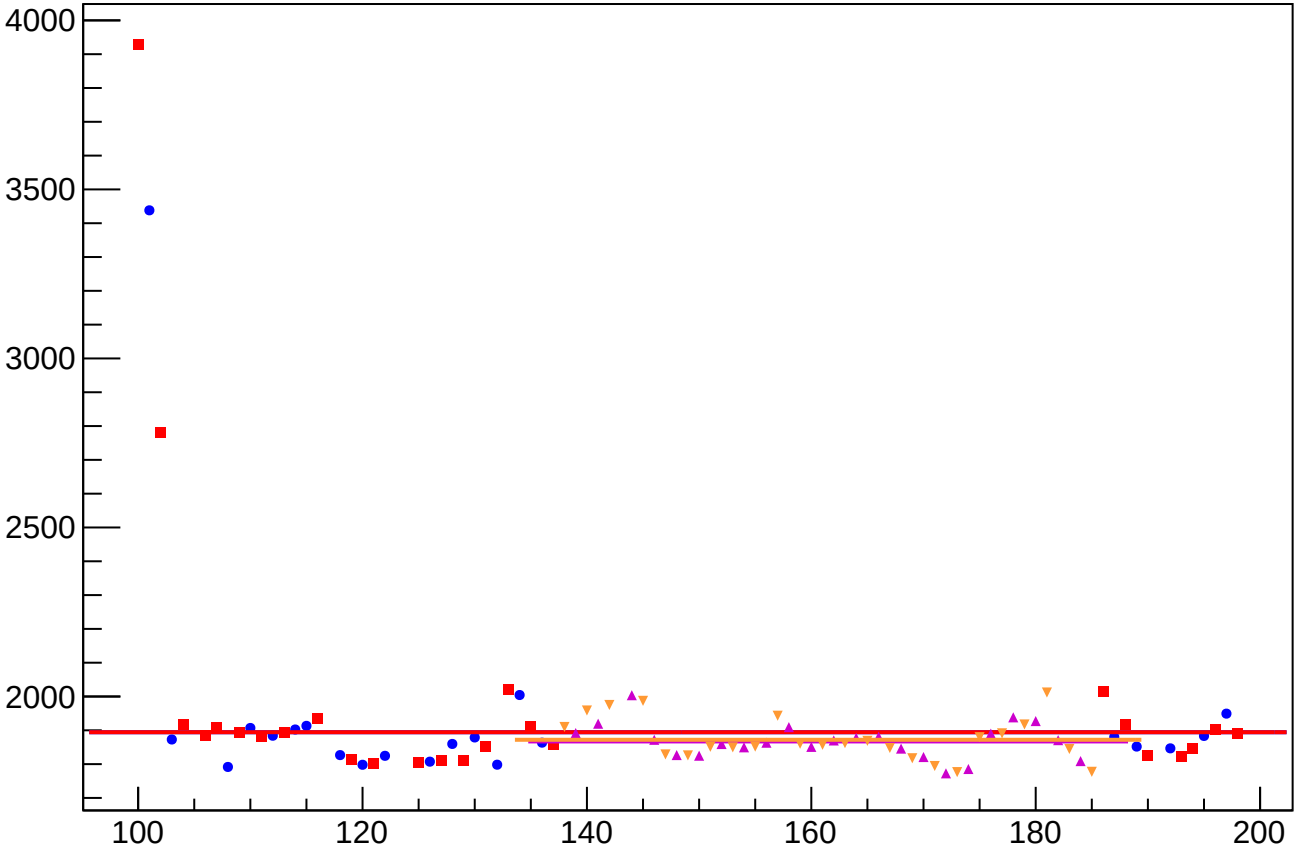
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3717.037+/-348.976 χ^2/NDF: 37.2/44

All: -420.533+/-243.750 χ^2/NDF: 363.2/92

- sign -4362.030+/-340.607 χ^2/NDF: 51.6/47

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1894.297+/-0.414 χ^2/NDF: 281848.5/20

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

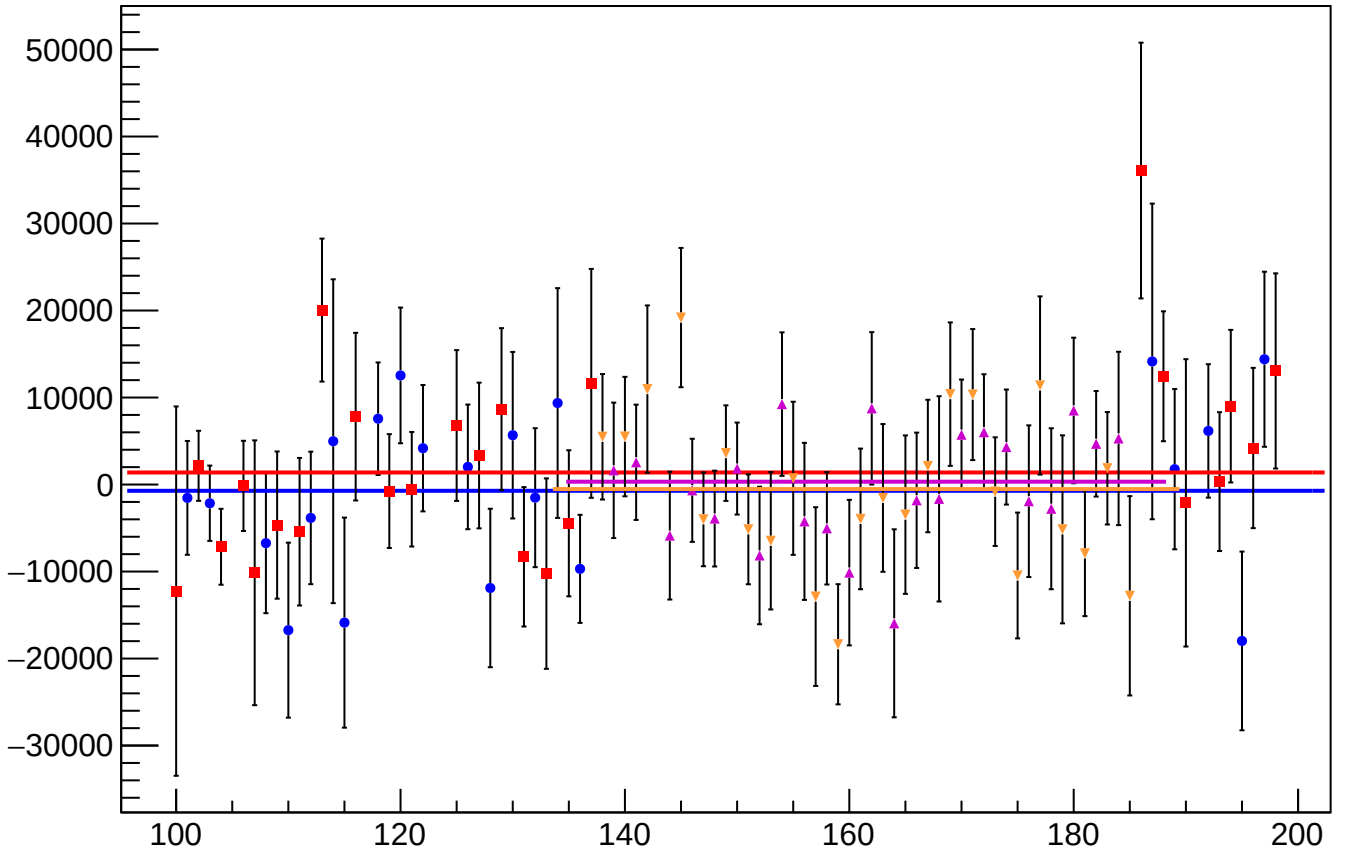
Right Out: 1894.405+/-0.385 χ^2/NDF: 158381.7/24

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1879.921+/-0.247 χ^2/NDF: 320878.3/44

All: 1878.810+/-0.172 χ^2/NDF: 509611.8/92

- sign 1877.751+/-0.241 χ^2/NDF: 188693.9/47



Right In: -719.042+/-1742.412 χ^2/NDF: 21.5/20

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

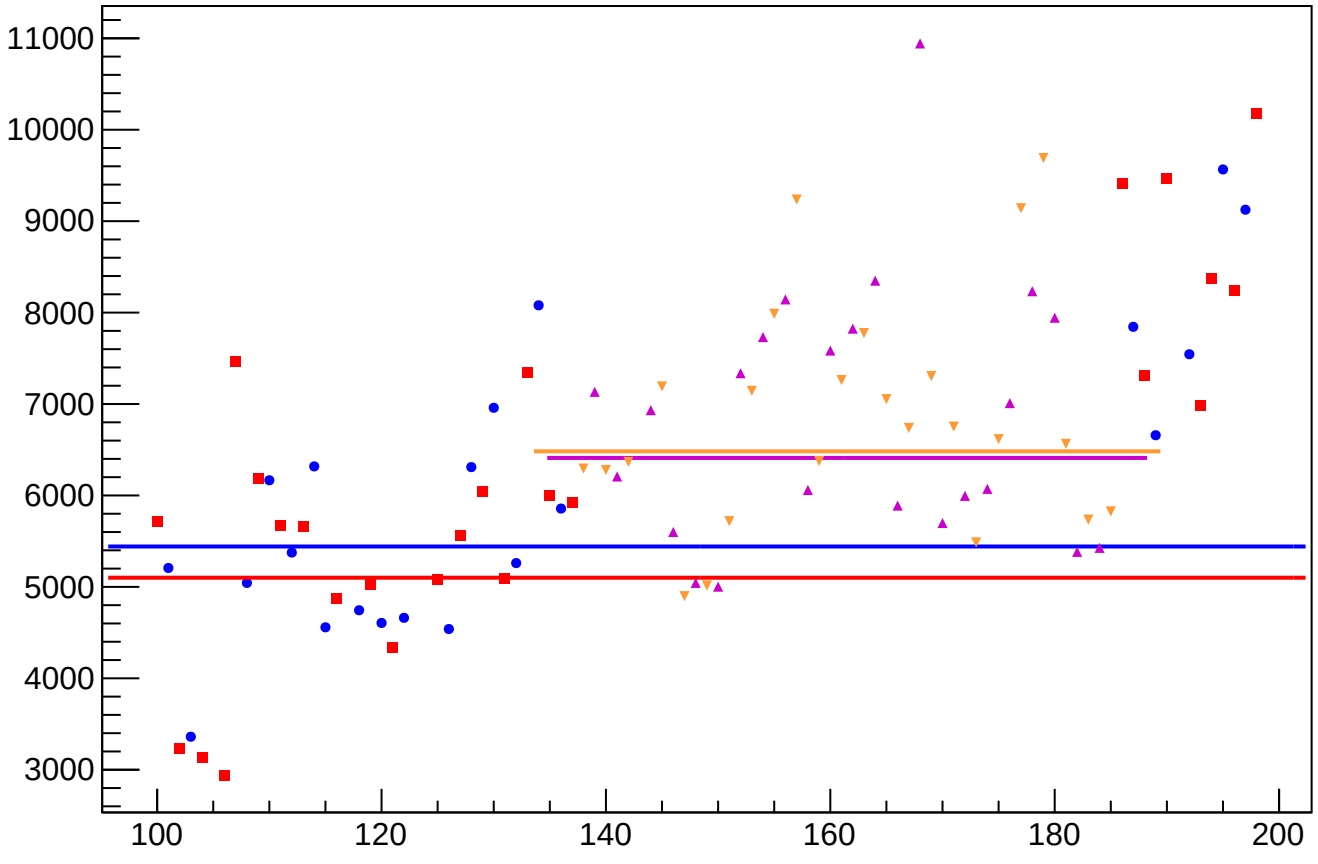
Right Out: 1386.323+/-1551.178 χ^2/NDF: 26.4/24

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -607.236+/-1152.548 χ^2/NDF: 50.7/44

All: 161.624+/-791.383 χ^2/NDF: 91.5/92

- sign 847.481+/-1088.560 χ^2/NDF: 40.0/47



Right In: 5441.772+/-1.232 χ^2/NDF: 1565385.2/20

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

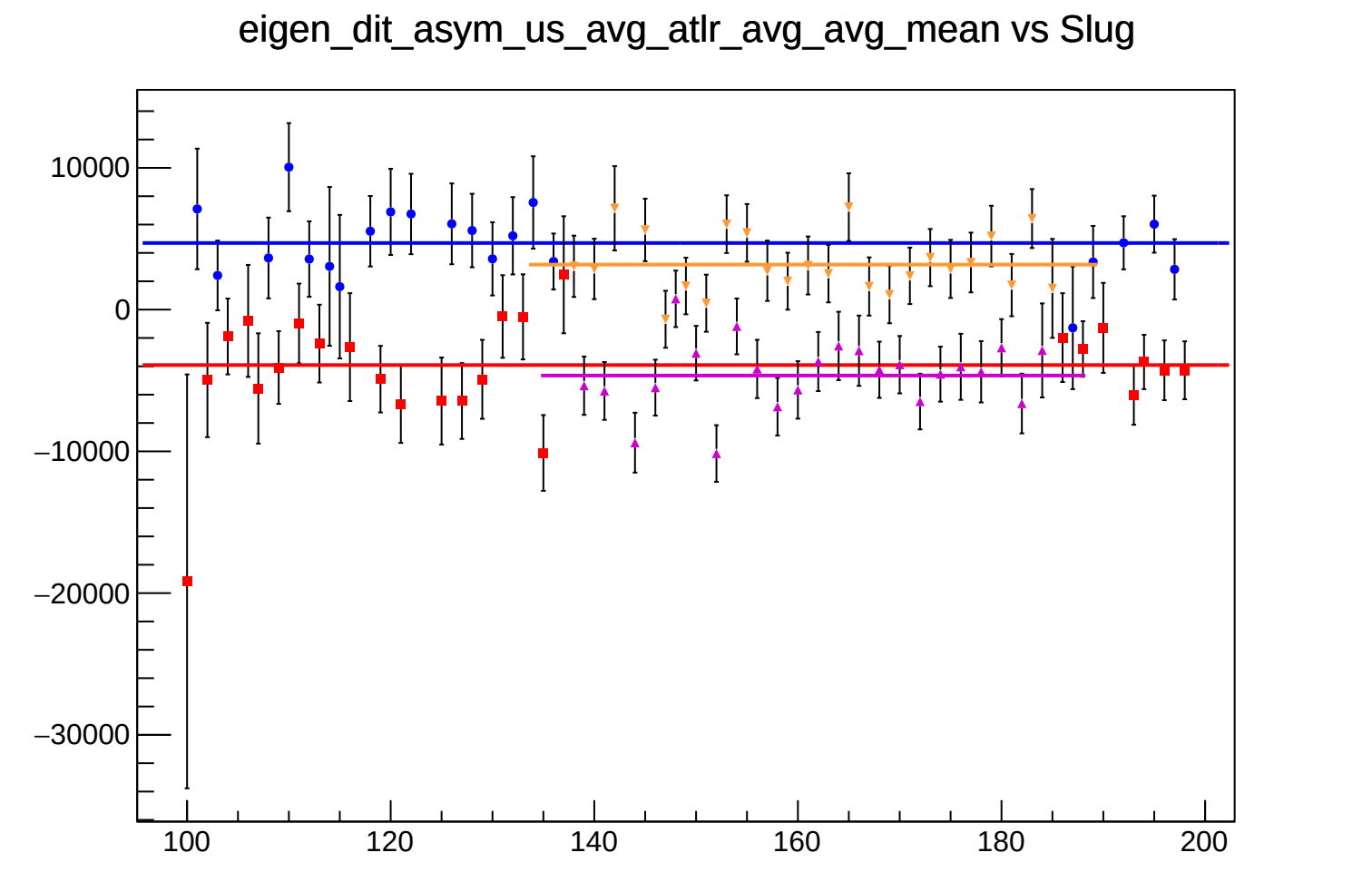
Right Out: 5100.333+/-1.097 χ^2/NDF: 2976717.9/24

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6027.270+/-0.815 χ^2/NDF: 3041471.4/44

All: 5888.779+/-0.560 χ^2/NDF: 8016703.1/92

- sign 5765.239+/-0.770 χ^2/NDF: 4920594.6/47



Right In: 4698.992+/-585.001 χ^2/NDF: 11.2/20

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3911.397+/-545.221 χ^2/NDF: 19.9/24

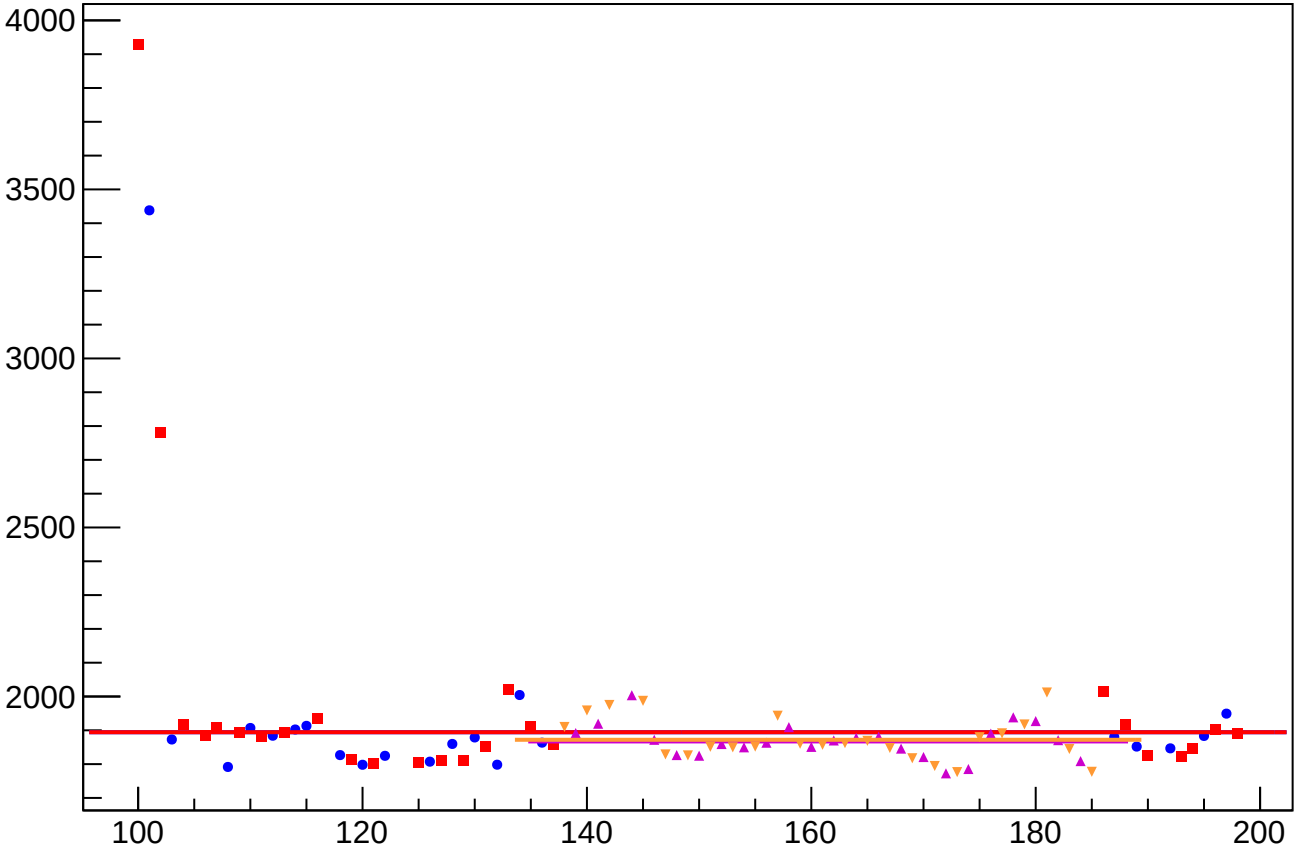
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3717.032+/-348.976 χ^2/NDF: 37.2/44

All: -420.535+/-243.751 χ^2/NDF: 363.2/92

- sign -4362.029+/-340.607 χ^2/NDF: 51.6/47

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1894.296+/-0.414 χ^2/NDF: 281848.8/20

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

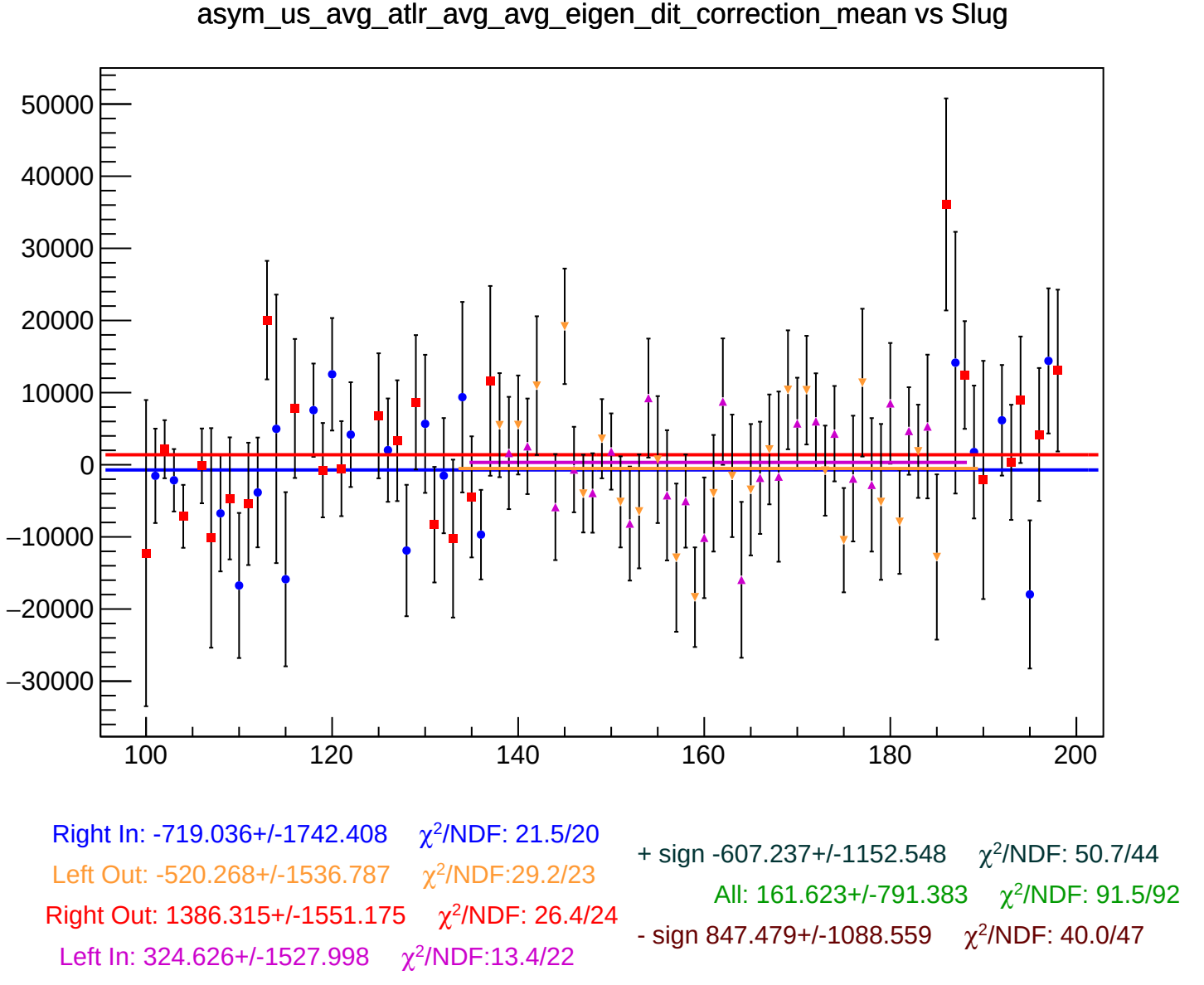
Right Out: 1894.404+/-0.385 χ^2/NDF: 158380.8/24

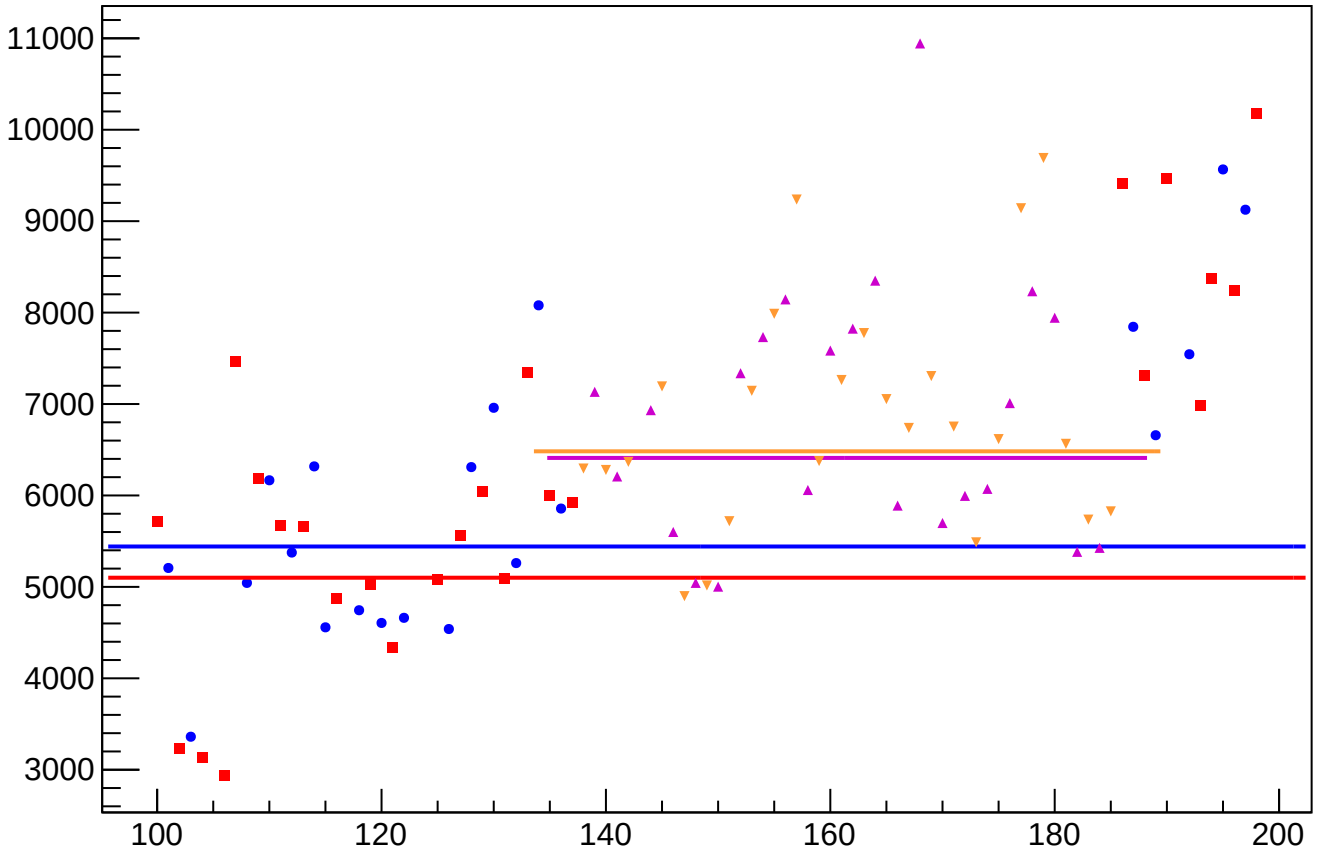
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1879.922+/-0.247 χ^2/NDF: 320879.3/44

All: 1878.810+/-0.172 χ^2/NDF: 509612.6/92

- sign 1877.752+/-0.241 χ^2/NDF: 188693.7/47


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: -719.036+/-1742.408 χ²/NDF: 21.5/20
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: 1386.315+/-1551.175 χ²/NDF: 26.4/24
Left In: 324.626+/-1527.998 χ²/NDF:13.4/22
+ sign -607.237+/-1152.548 χ²/NDF: 50.7/44
All: 161.623+/-791.383 χ²/NDF: 91.5/92
- sign 847.479+/-1088.559 χ²/NDF: 40.0/47



Right In: 5441.760+/-1.232 χ^2/NDF: 1565399.4/20

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5100.322+/-1.097 χ^2/NDF: 2976733.1/24

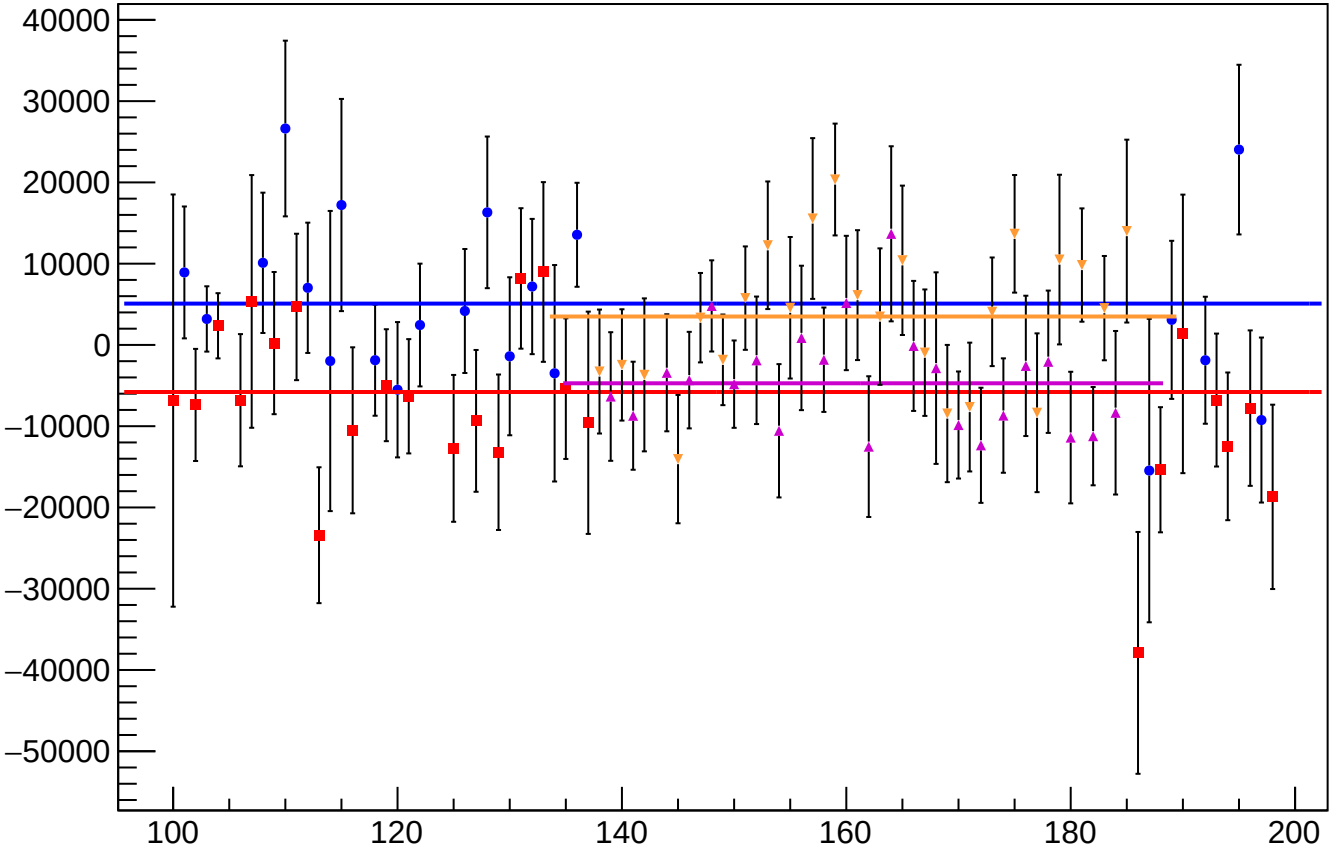
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6027.269+/-0.815 χ^2/NDF: 3041506.1/44

All: 5888.777+/-0.560 χ^2/NDF: 8016781.0/92

- sign 5765.236+/-0.770 χ^2/NDF: 4920637.2/47

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5085.534+/-1798.357 χ^2/NDF: 20.1/20

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5792.658+/-1710.859 χ^2/NDF: 25.3/24

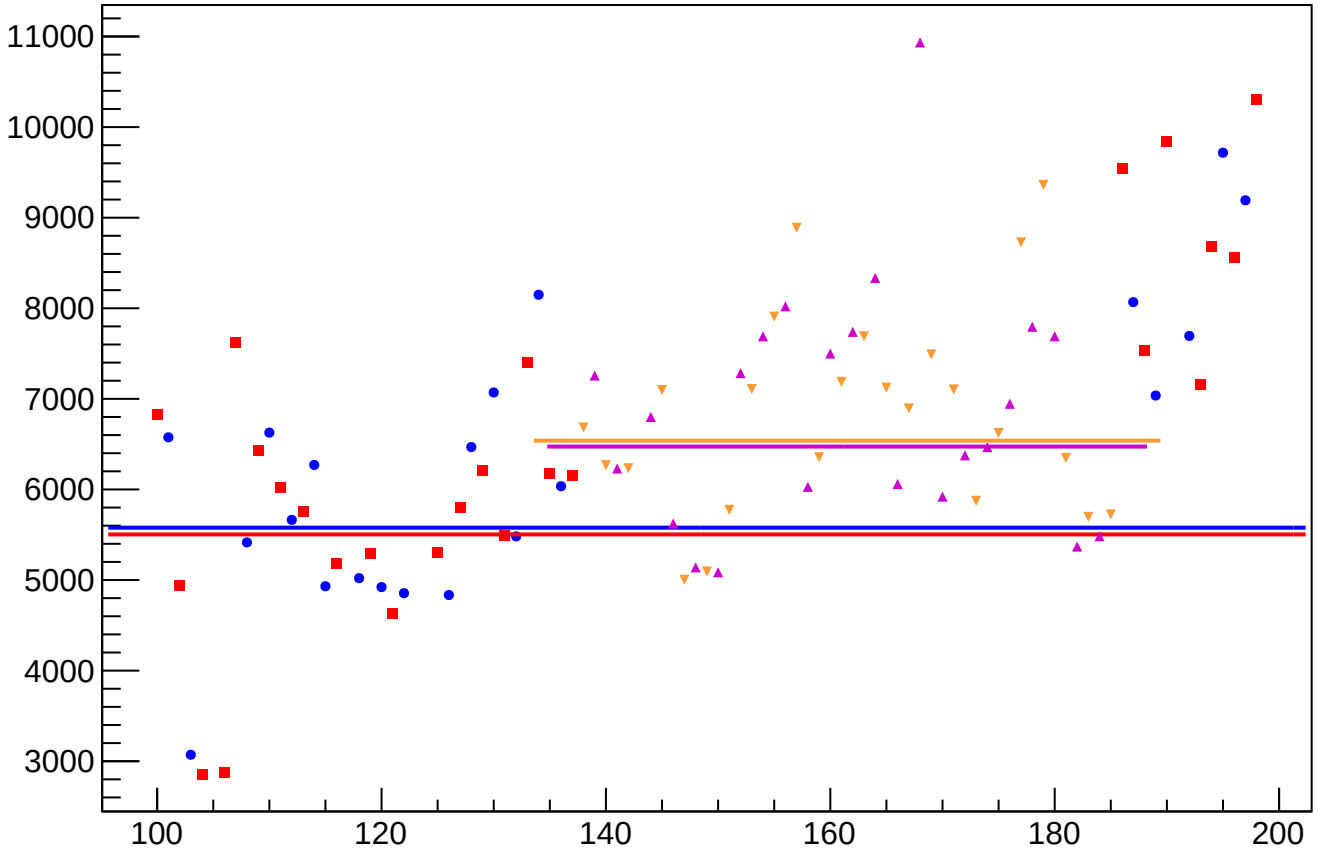
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

\+ sign 4172.091+/-1172.273 χ^2/NDF: 48.0/44

All: -627.053+/-818.838 χ^2/NDF: 120.5/92

\- sign -5199.567+/-1144.259 χ^2/NDF: 39.8/47

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5578.116+/-1.272 χ^2/NDF: 1844471.6/20

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

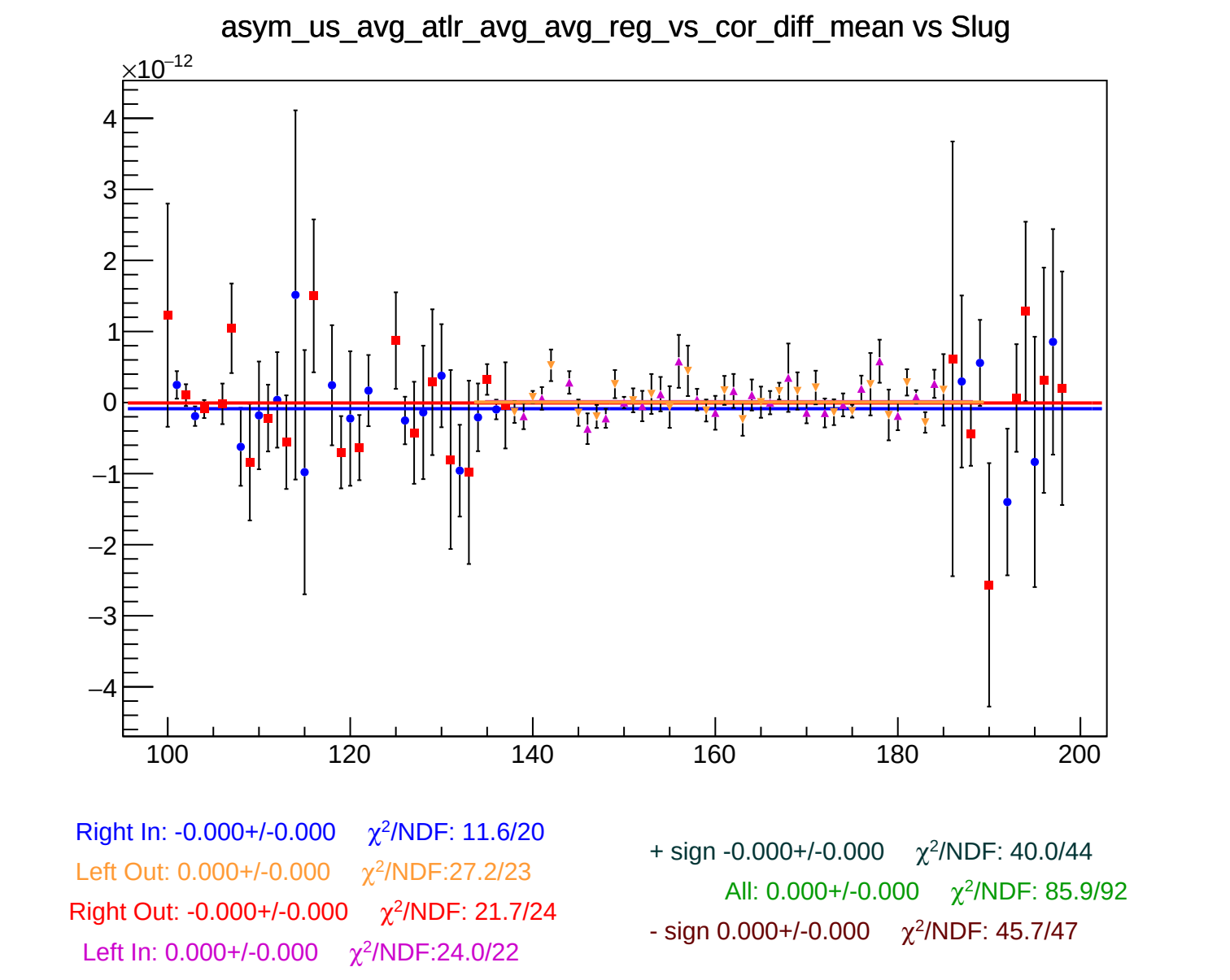
Right Out: 5503.450+/-1.190 χ^2/NDF: 2751510.8/24

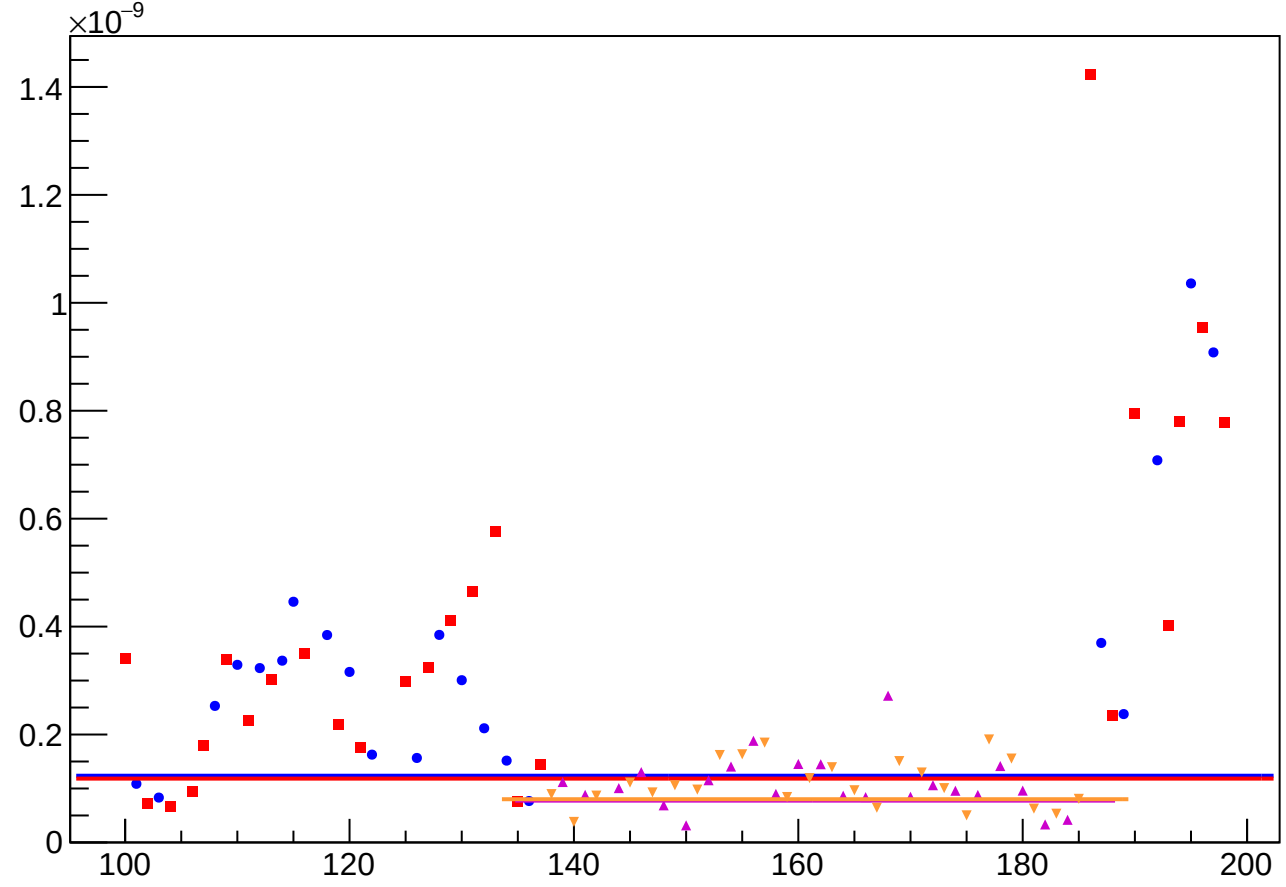
Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6130.527+/-0.829 χ^2/NDF: 3093247.6/44

All: 6079.597+/-0.577 χ^2/NDF: 7285553.8/92

- sign 6031.776+/-0.803 χ^2/NDF: 4184986.4/47


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 11.6/20
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 21.7/24
Left In: 0.000+/-0.000 χ²/NDF:24.0/22
+ sign -0.000+/-0.000 χ²/NDF: 40.0/44
All: 0.000+/-0.000 χ²/NDF: 85.9/92
- sign 0.000+/-0.000 χ²/NDF: 45.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3378498.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

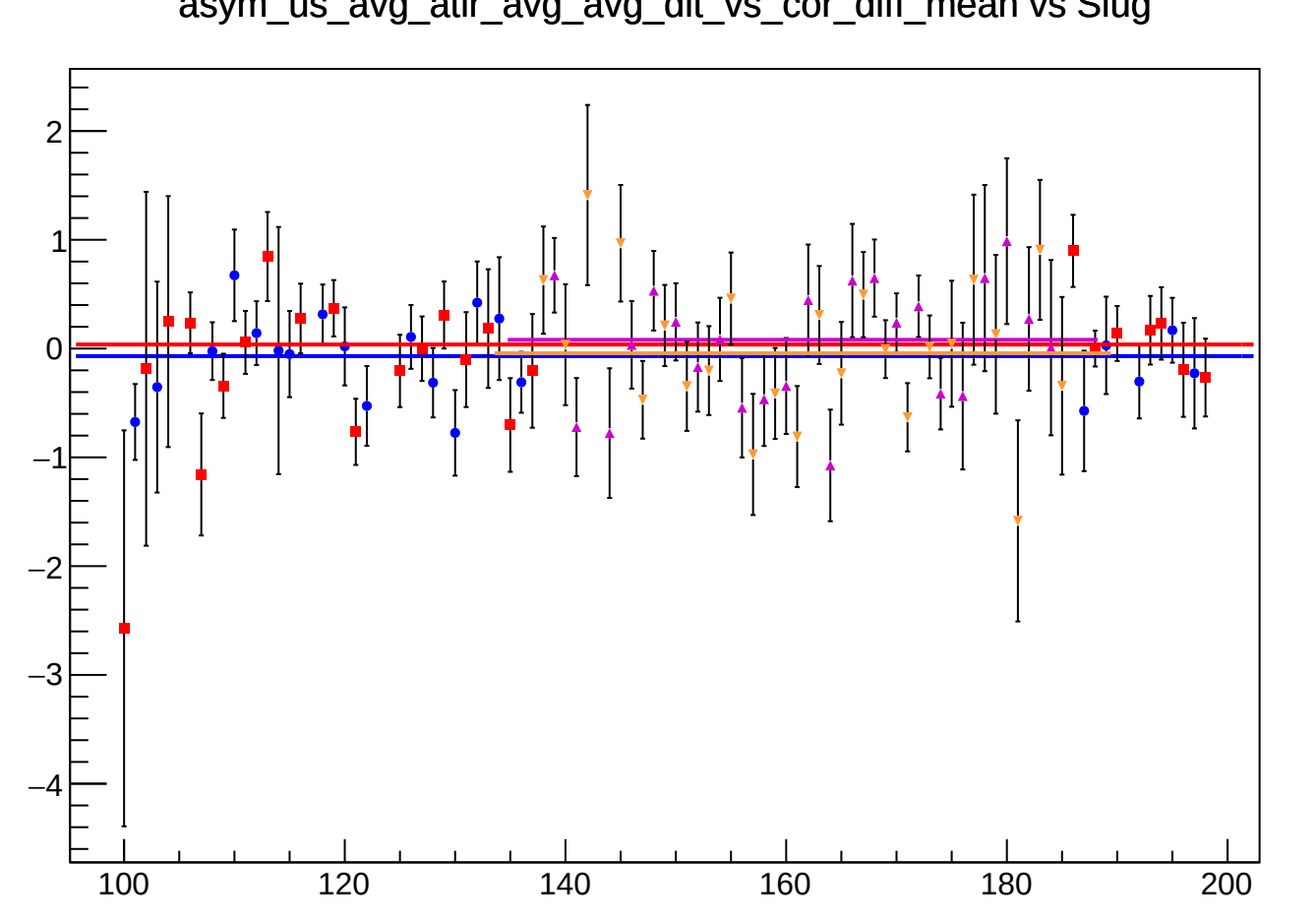
Right Out: 0.000+/-0.000 χ^2/NDF: 4675521.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6065182.6/44

All: 0.000+/-0.000 χ^2/NDF: 13877700.5/92

- sign 0.000+/-0.000 χ^2/NDF: 7803199.5/47



Right In: -0.069+/-0.079 χ^2/NDF: 19.4/20

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

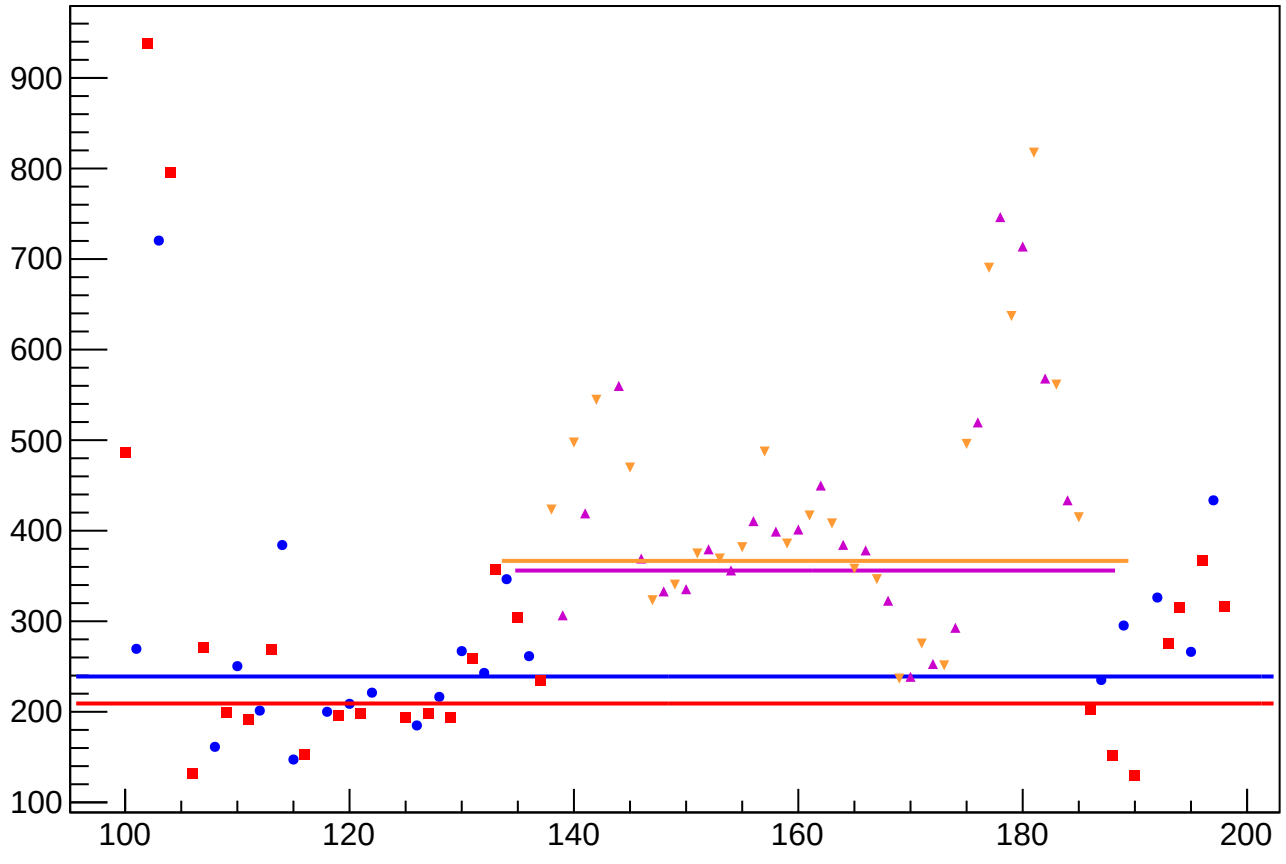
Right Out: 0.037+/-0.067 χ^2/NDF: 35.0/24

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

\+ sign -0.058+/-0.060 χ^2/NDF: 50.4/44

All: 0.004+/-0.040 χ^2/NDF: 117.9/92

\- sign 0.053+/-0.053 χ^2/NDF: 65.5/47



Right In: 238.993+/-0.056 χ^2/NDF: 1562413.1/20

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

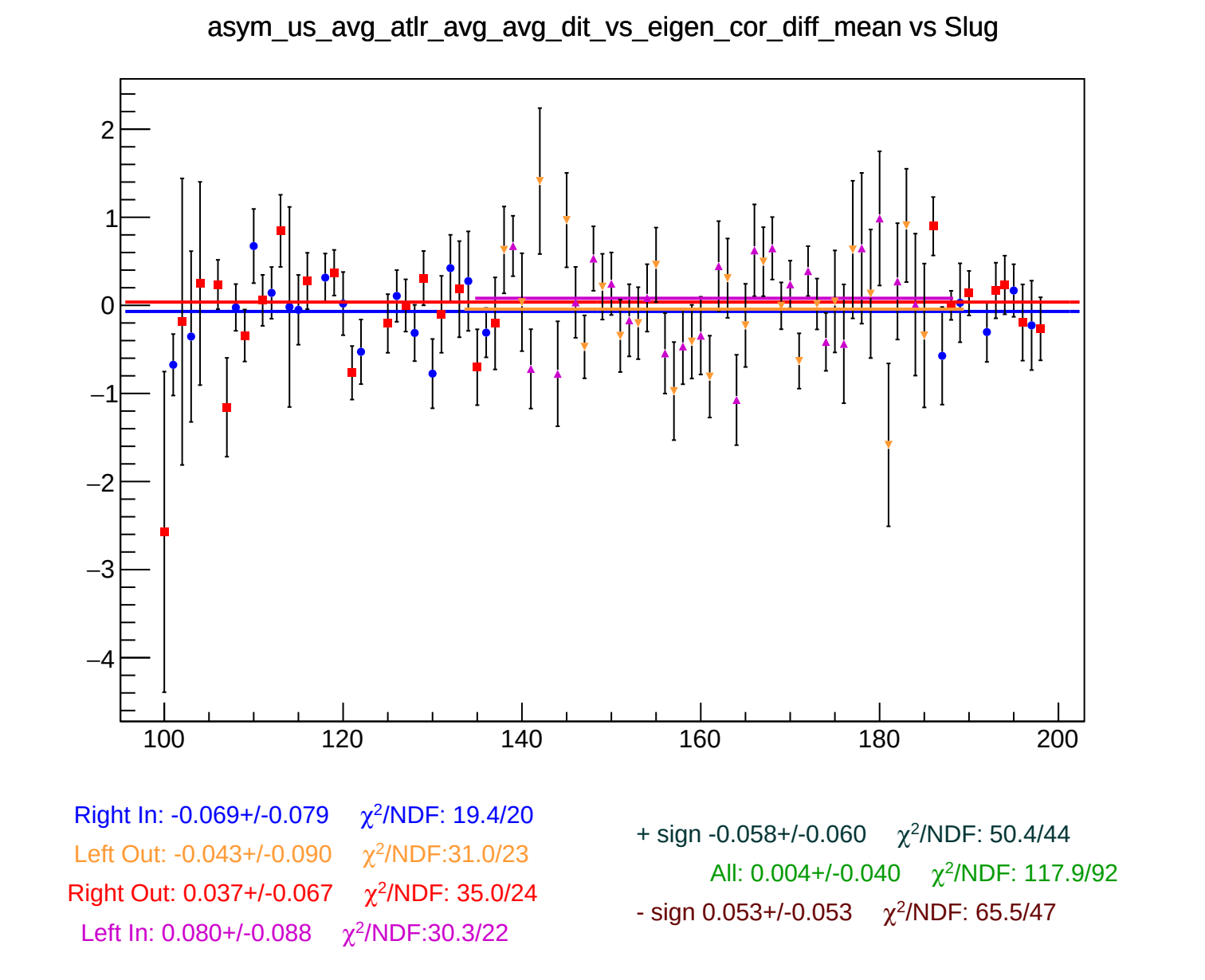
Right Out: 209.181+/-0.047 χ^2/NDF: 2723759.5/24

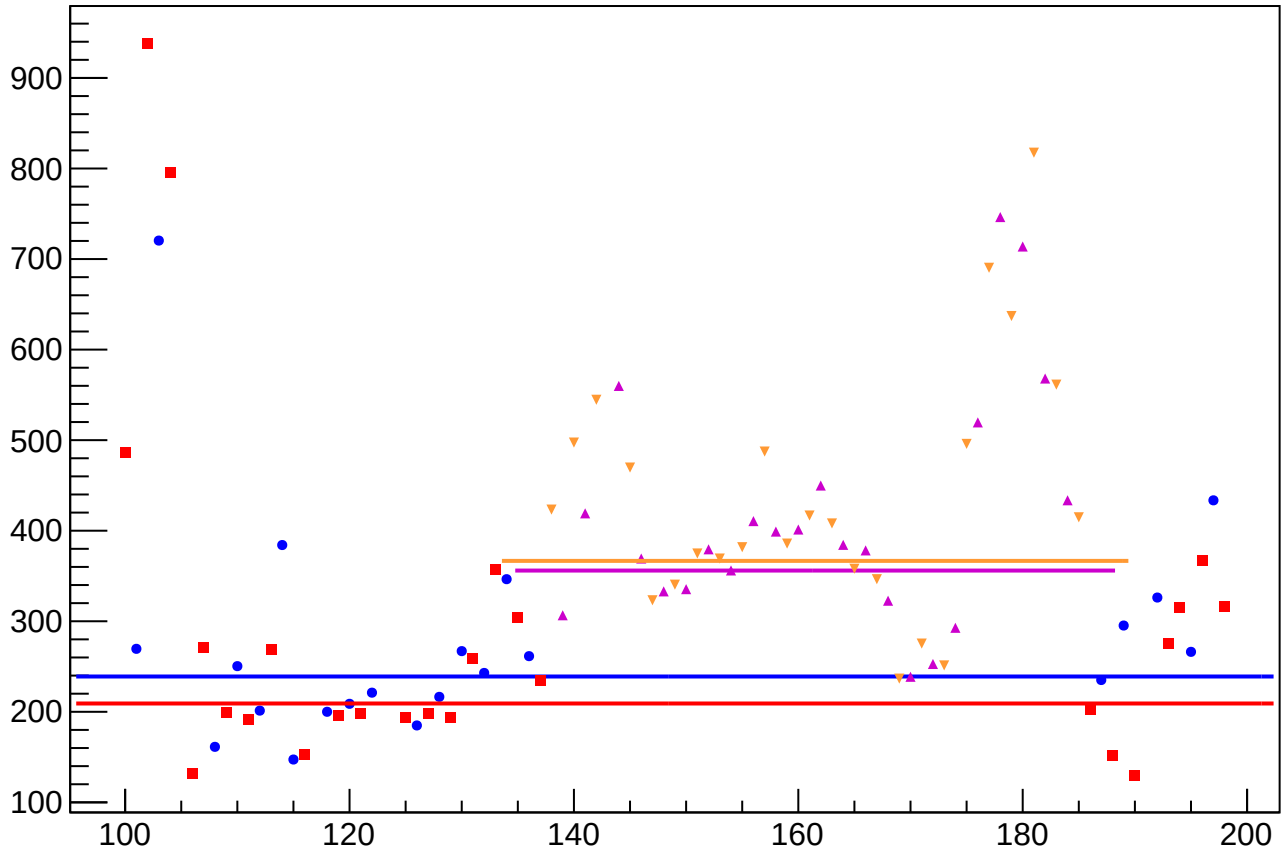
Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 294.421+/-0.042 χ^2/NDF: 6658239.6/44

All: 276.890+/-0.028 χ^2/NDF: 15659257.2/92

- sign 262.962+/-0.038 χ^2/NDF: 8690490.7/47


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.069+/-0.079 χ²/NDF: 19.4/20
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.037+/-0.067 χ²/NDF: 35.0/24
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.058+/-0.060 χ²/NDF: 50.4/44
All: 0.004+/-0.040 χ²/NDF: 117.9/92
- sign 0.053+/-0.053 χ²/NDF: 65.5/47



Right In: 238.993+/-0.056 χ^2/NDF: 1562413.1/20

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

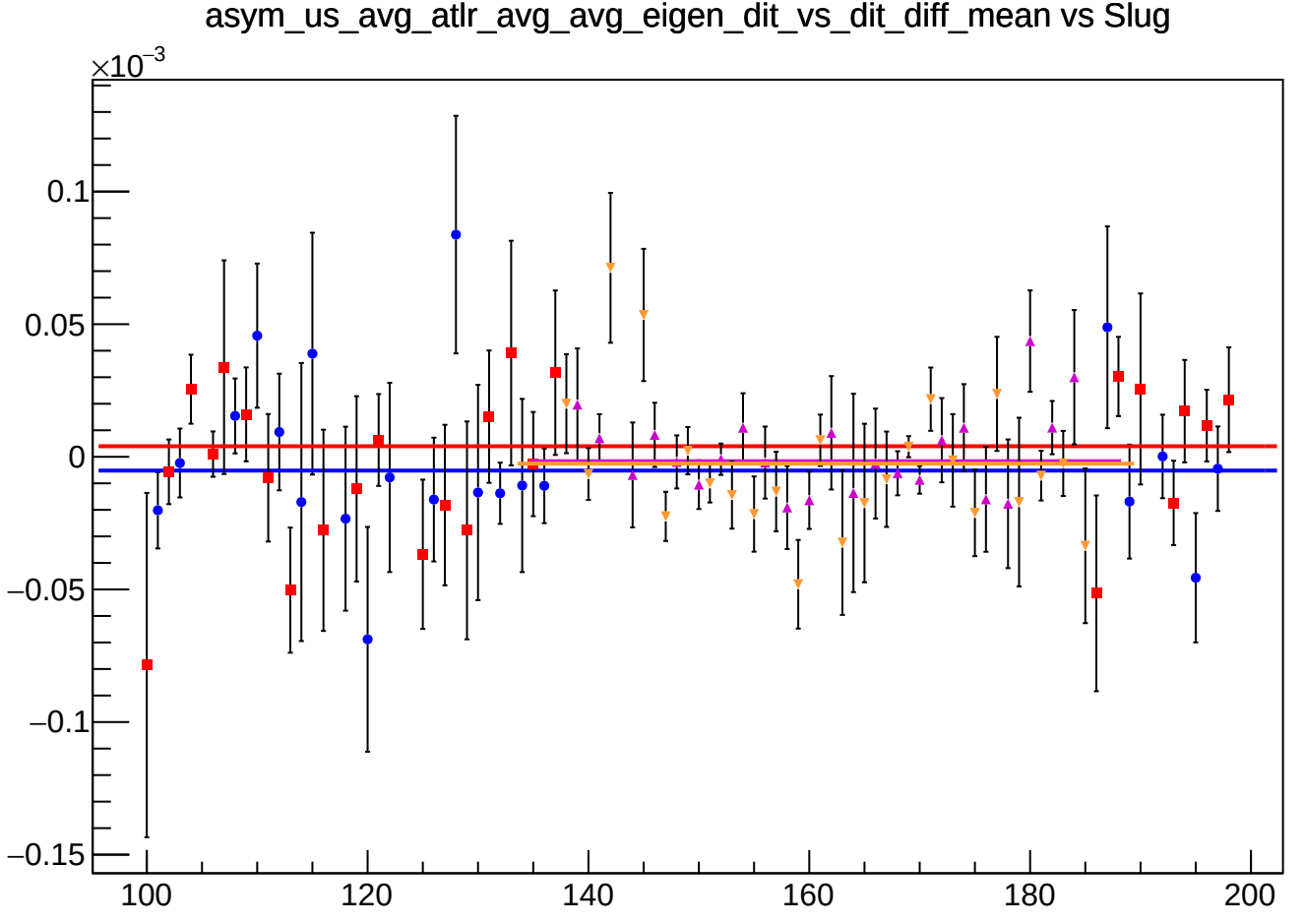
Right Out: 209.181+/-0.047 χ^2/NDF: 2723759.5/24

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 294.421+/-0.042 χ^2/NDF: 6658239.6/44

All: 276.890+/-0.028 χ^2/NDF: 15659257.2/92

- sign 262.962+/-0.038 χ^2/NDF: 8690490.7/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

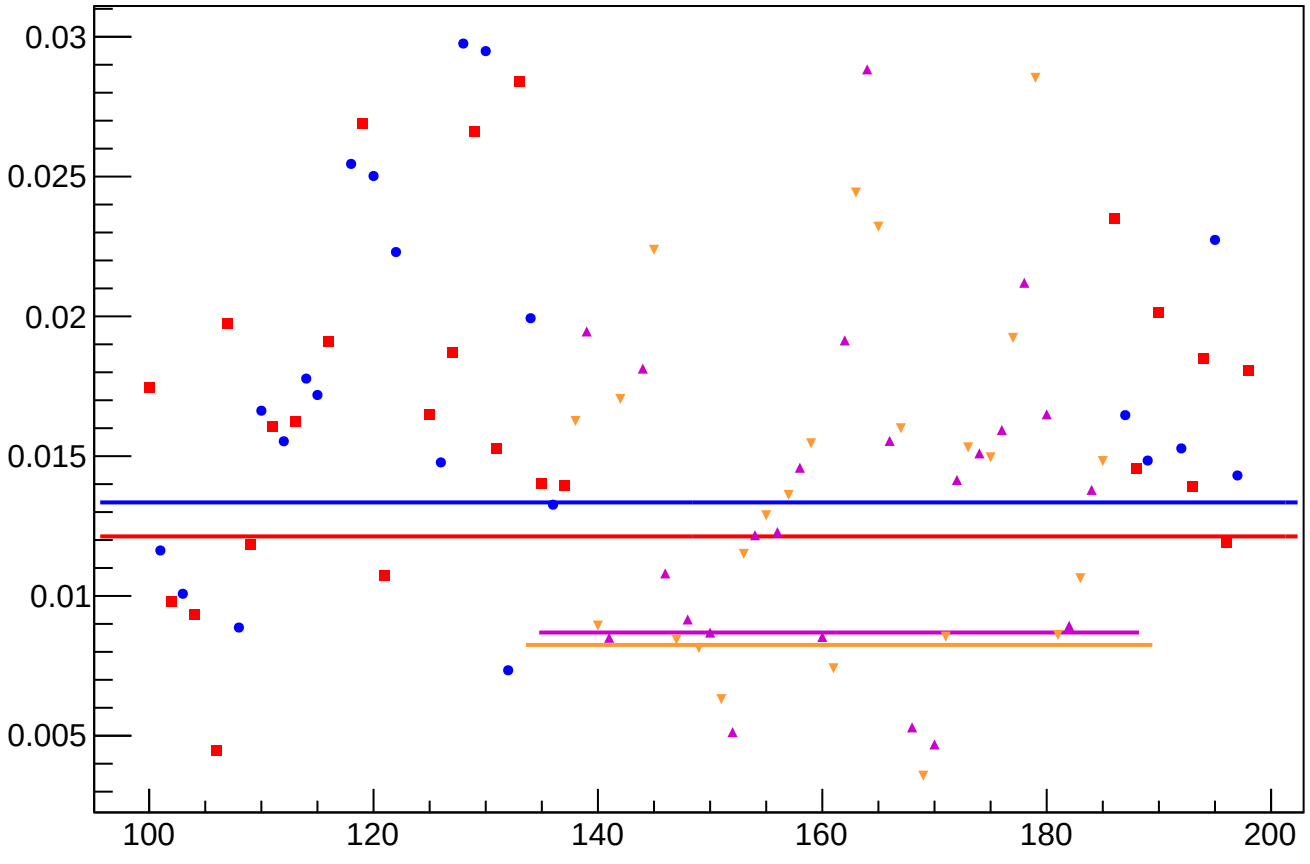
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/24

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.6/44

All: -0.000+/-0.000 χ^2/NDF: 114.7/92

- sign -0.000+/-0.000 χ^2/NDF: 49.0/47



Right In: 0.013+/-0.000 χ^2/NDF: 2528471.1/20

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

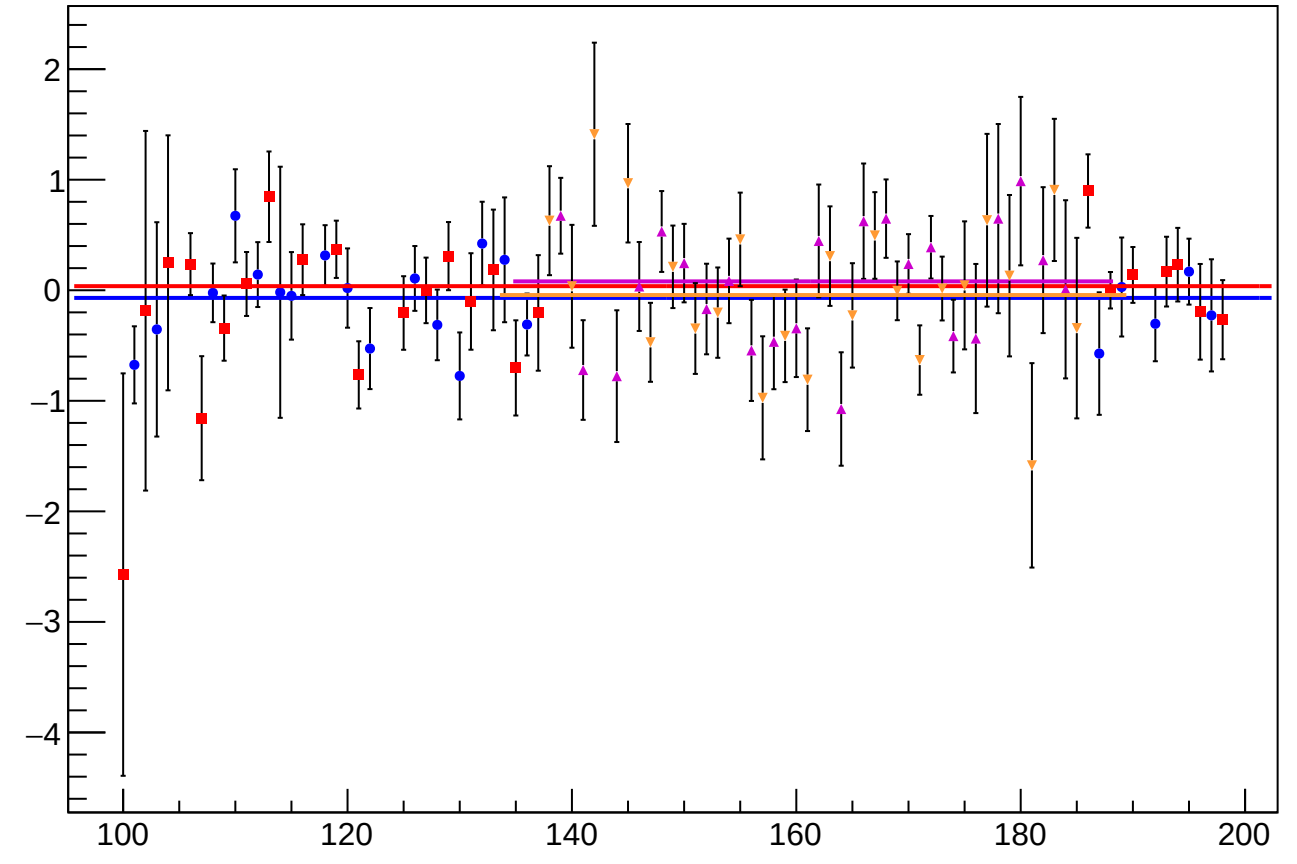
Right Out: 0.012+/-0.000 χ^2/NDF: 3923096.2/24

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 13513615.4/44

All: 0.009+/-0.000 χ^2/NDF: 25508383.9/92

- sign 0.010+/-0.000 χ^2/NDF: 11968835.8/47



Right In: -0.069+/-0.079 χ^2/NDF: 19.4/20

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

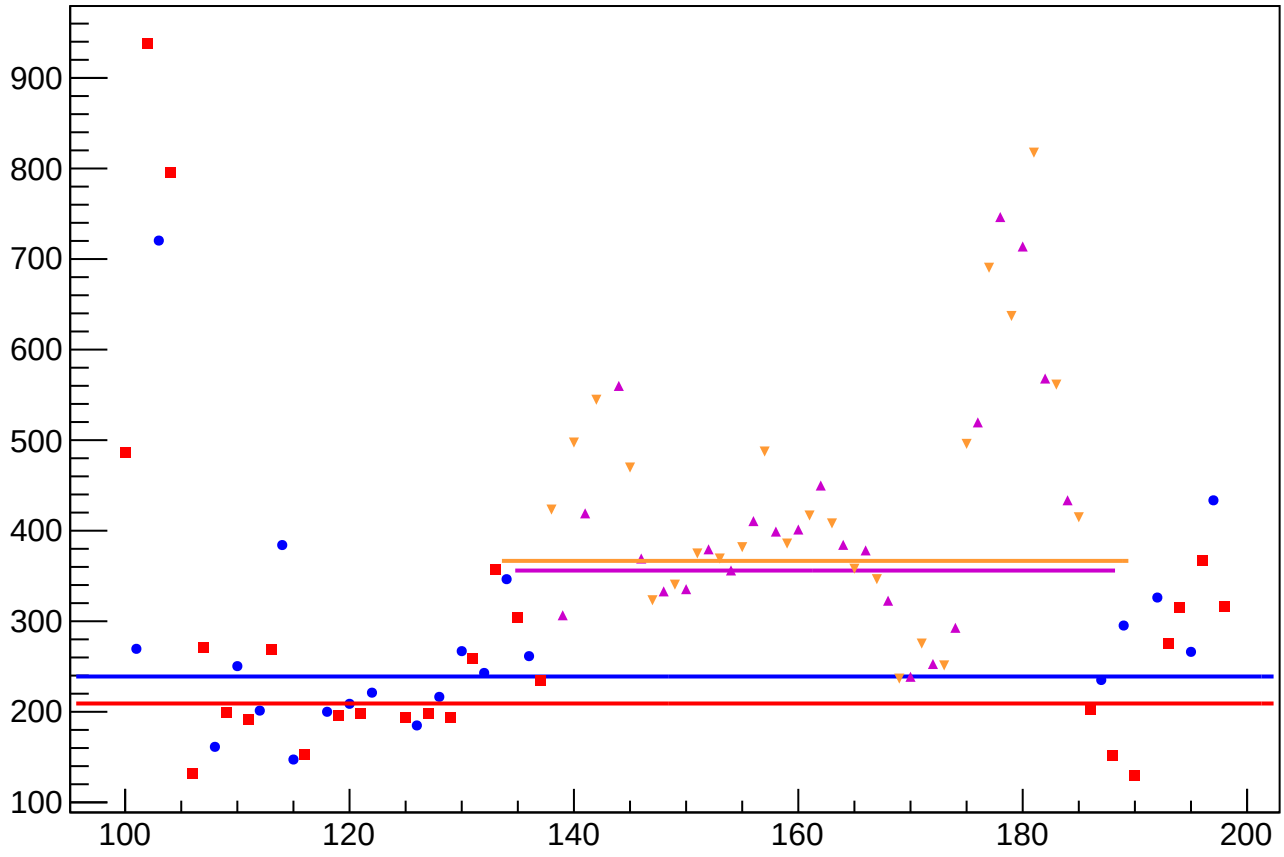
Right Out: 0.037+/-0.067 χ^2/NDF: 35.0/24

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

\+ sign -0.058+/-0.060 χ^2/NDF: 50.4/44

All: 0.004+/-0.040 χ^2/NDF: 117.9/92

\- sign 0.053+/-0.053 χ^2/NDF: 65.5/47



Right In: 238.992+/-0.056 χ^2/NDF: 1562402.4/20

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

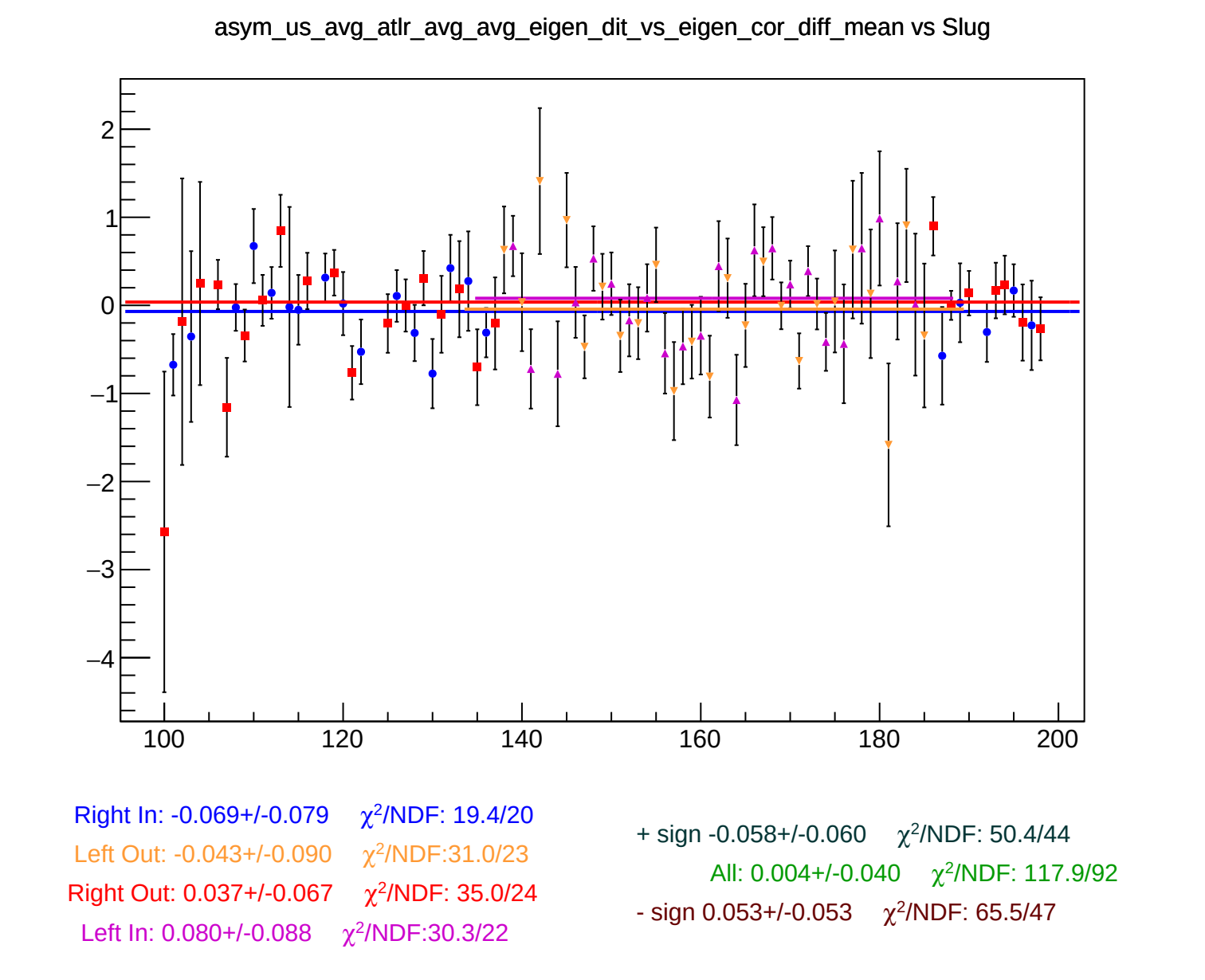
Right Out: 209.177+/-0.047 χ^2/NDF: 2723792.5/24

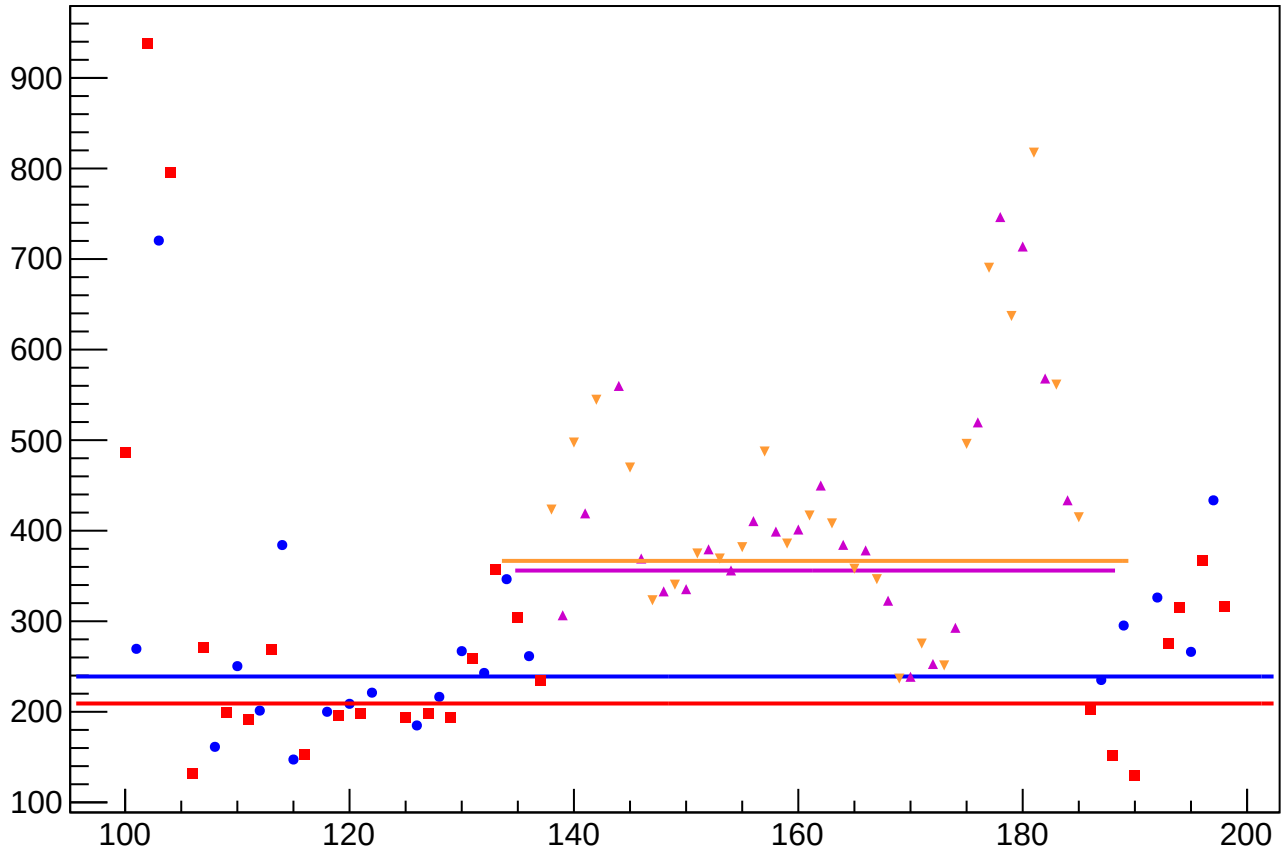
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 294.419+/-0.042 χ^2/NDF: 6658525.6/44

All: 276.887+/-0.028 χ^2/NDF: 15659999.7/92

- sign 262.959+/-0.038 χ^2/NDF: 8690918.9/47


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.069+/-0.079 χ²/NDF: 19.4/20
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.037+/-0.067 χ²/NDF: 35.0/24
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.058+/-0.060 χ²/NDF: 50.4/44
All: 0.004+/-0.040 χ²/NDF: 117.9/92
- sign 0.053+/-0.053 χ²/NDF: 65.5/47



Right In: 238.992+/-0.056 χ^2/NDF: 1562402.4/20

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

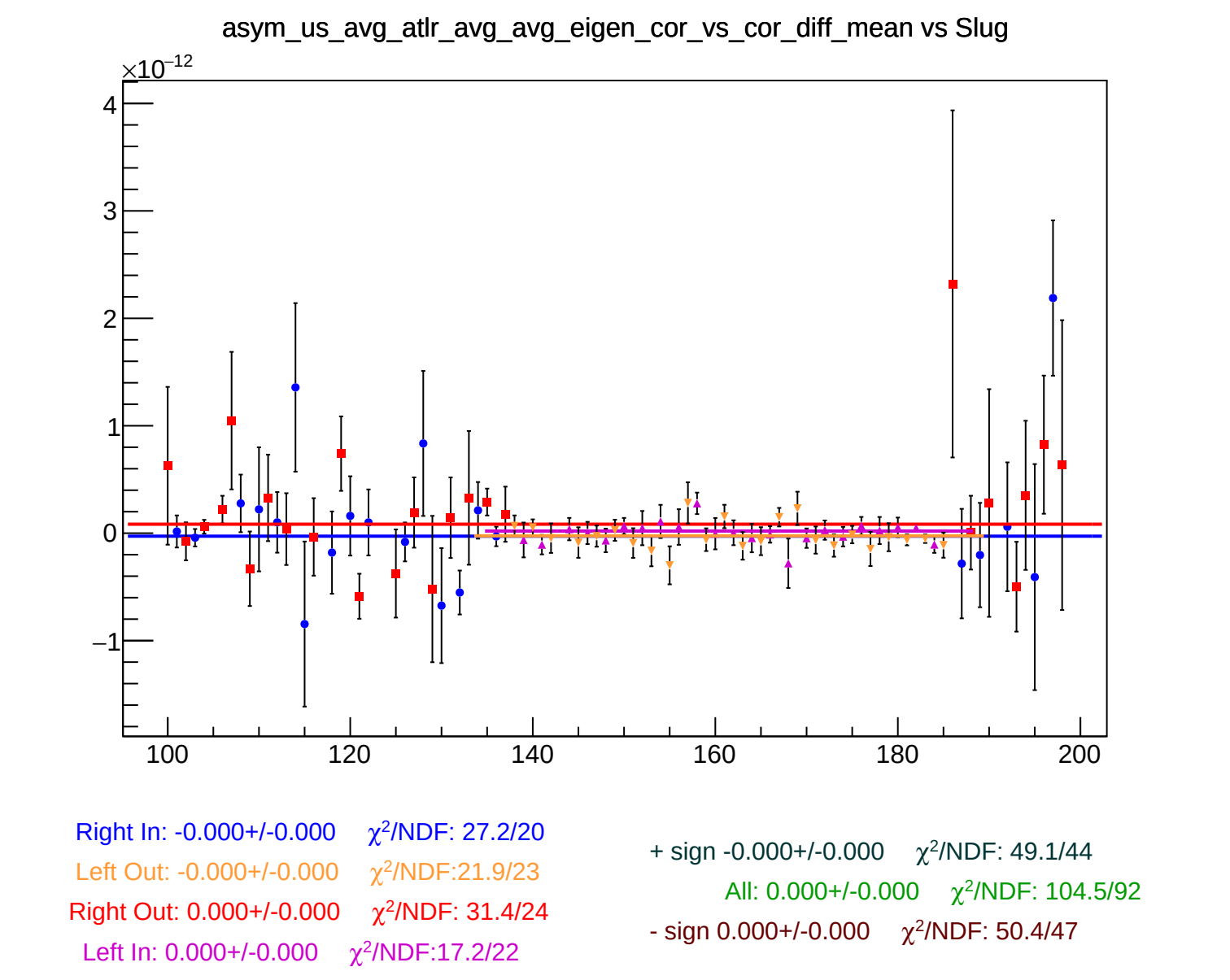
Right Out: 209.177+/-0.047 χ^2/NDF: 2723792.5/24

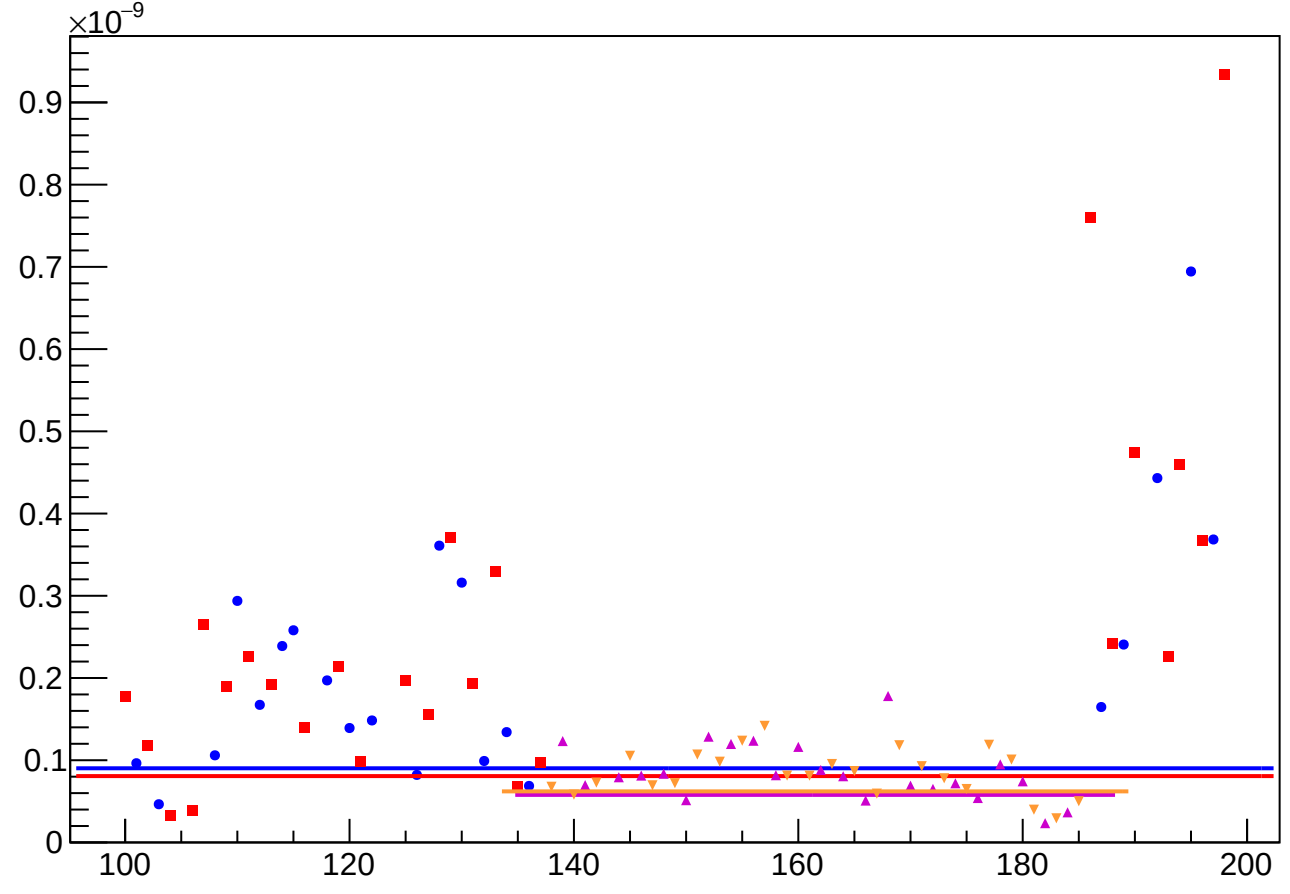
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 294.419+/-0.042 χ^2/NDF: 6658525.6/44

All: 276.887+/-0.028 χ^2/NDF: 15659999.7/92

- sign 262.959+/-0.038 χ^2/NDF: 8690918.9/47


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.2/20
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.4/24
Left In: 0.000+/-0.000 χ²/NDF:17.2/22
+ sign -0.000+/-0.000 χ²/NDF: 49.1/44
All: 0.000+/-0.000 χ²/NDF: 104.5/92
- sign 0.000+/-0.000 χ²/NDF: 50.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 4158135.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6936165.5/24

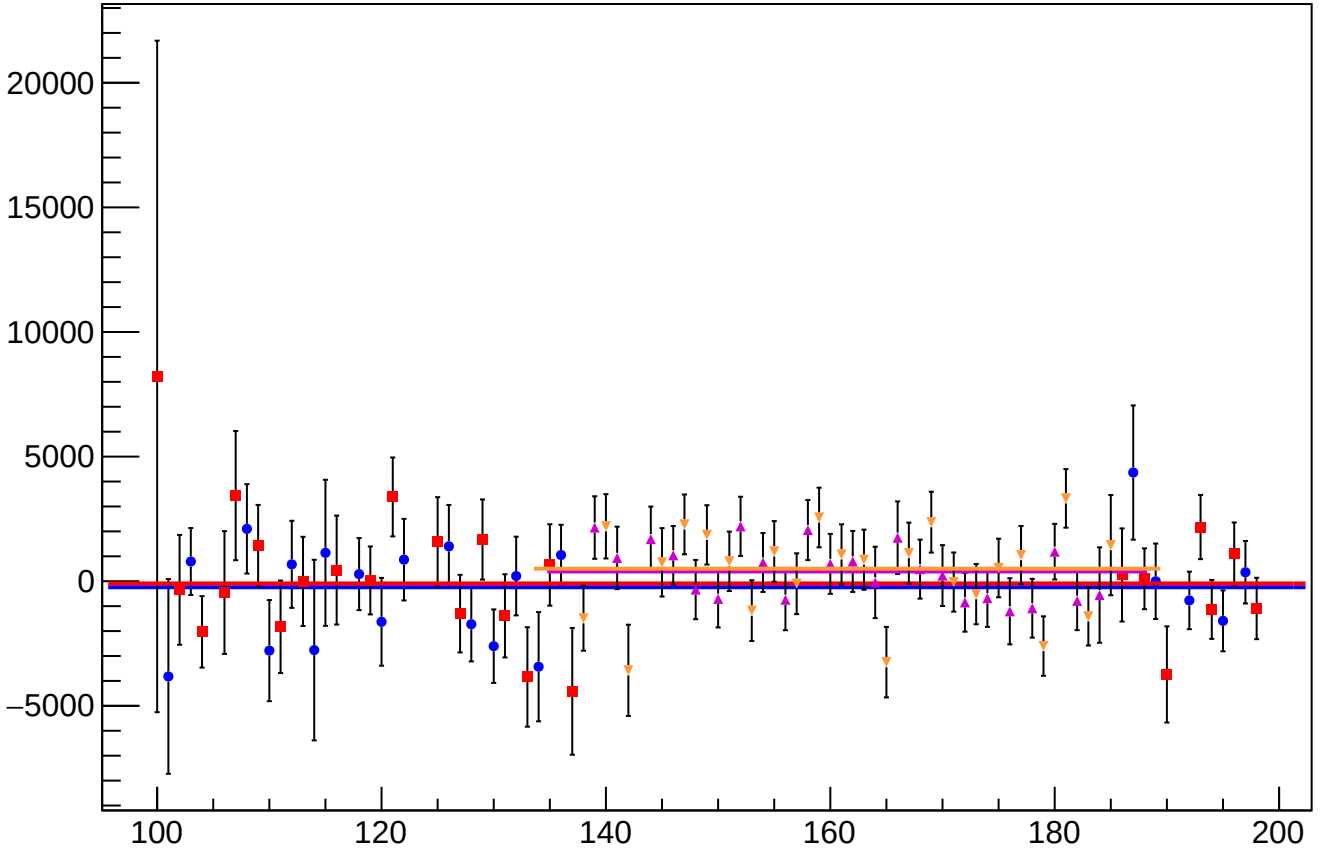
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8883653.4/44

All: 0.000+/-0.000 χ^2/NDF: 21881355.7/92

- sign 0.000+/-0.000 χ^2/NDF: 12918018.9/47

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -241.217+/-352.204 χ^2/NDF: 19.4/20

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -87.227+/-329.346 χ^2/NDF: 29.7/24

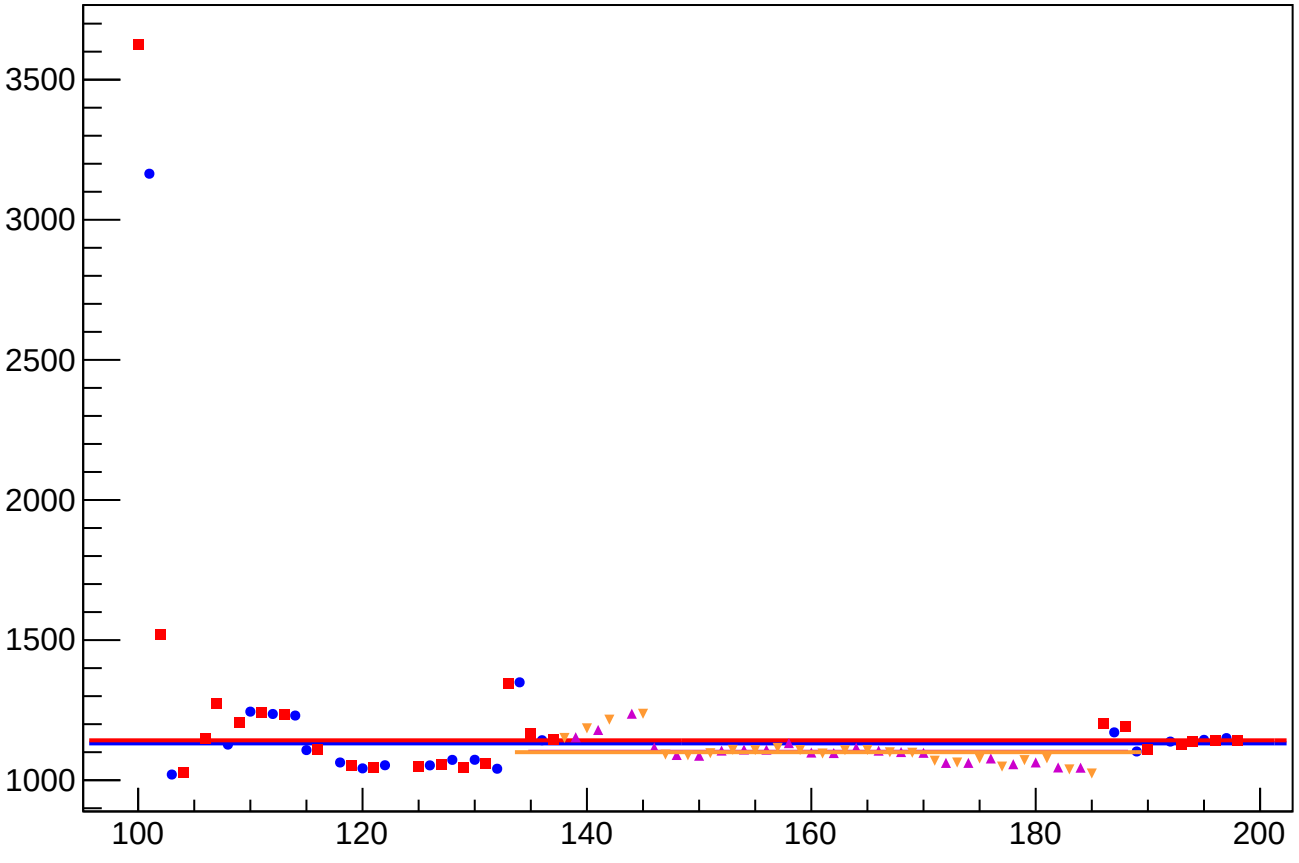
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 246.751+/-206.829 χ^2/NDF: 66.9/44

All: 228.068+/-144.805 χ^2/NDF: 115.7/92

- sign 210.105+/-202.801 χ^2/NDF: 48.8/47

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1131.365+/-0.249 χ^2/NDF: 623403.9/20

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

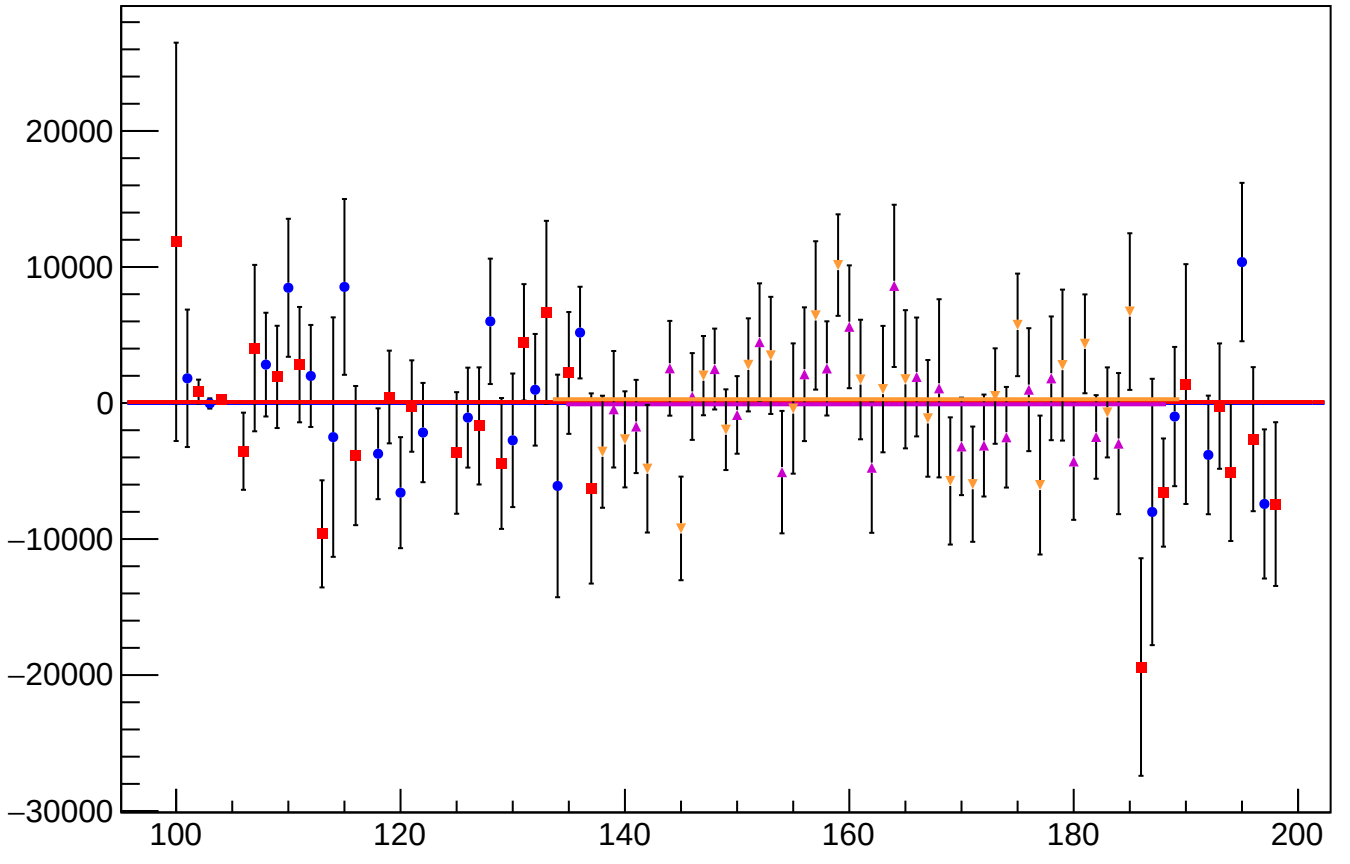
Right Out: 1142.352+/-0.233 χ^2/NDF: 226668.1/24

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1110.858+/-0.146 χ^2/NDF: 692487.3/44

All: 1114.005+/-0.102 χ^2/NDF: 991310.6/92

- sign 1117.029+/-0.143 χ^2/NDF: 297915.3/47



Right In: 4.504+/-353.959 χ^2/NDF: 21.3/20

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

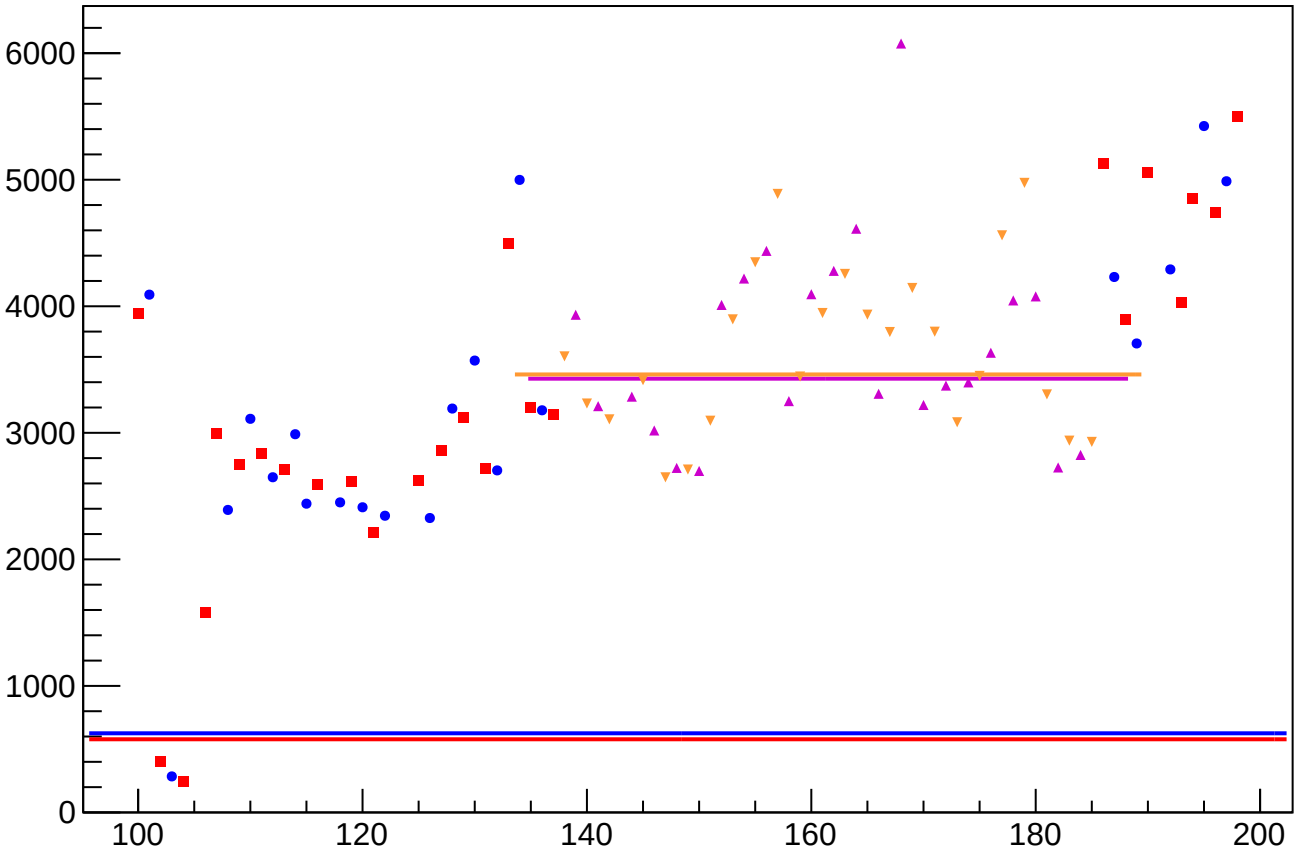
Right Out: 73.890+/-318.575 χ^2/NDF: 27.4/24

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

\+ sign 47.339+/-325.006 χ^2/NDF: 51.3/44

All: 49.687+/-219.172 χ^2/NDF: 92.4/92

\- sign 51.645+/-296.819 χ^2/NDF: 41.1/47



Right In: 625.523+/-0.250 χ^2/NDF: 14820257.4/20

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 578.261+/-0.225 χ^2/NDF: 17047265.1/24

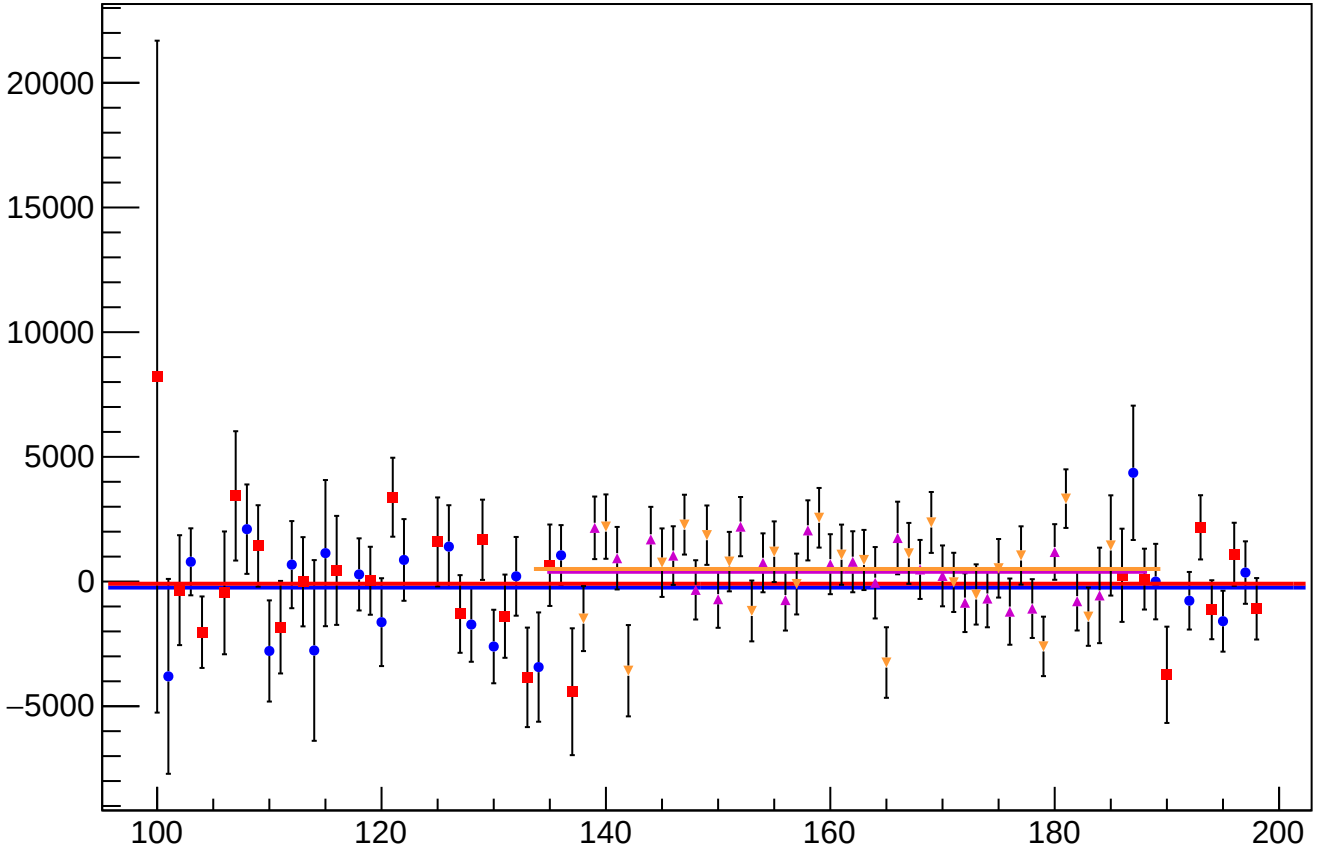
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1070.453+/-0.230 χ^2/NDF: 36019976.3/44

All: 1007.053+/-0.155 χ^2/NDF: 75559422.1/9

- sign 954.174+/-0.210 χ^2/NDF: 39399863.7/47

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -241.116+/-352.204 χ^2/NDF: 19.4/20

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -87.307+/-329.346 χ^2/NDF: 29.7/24

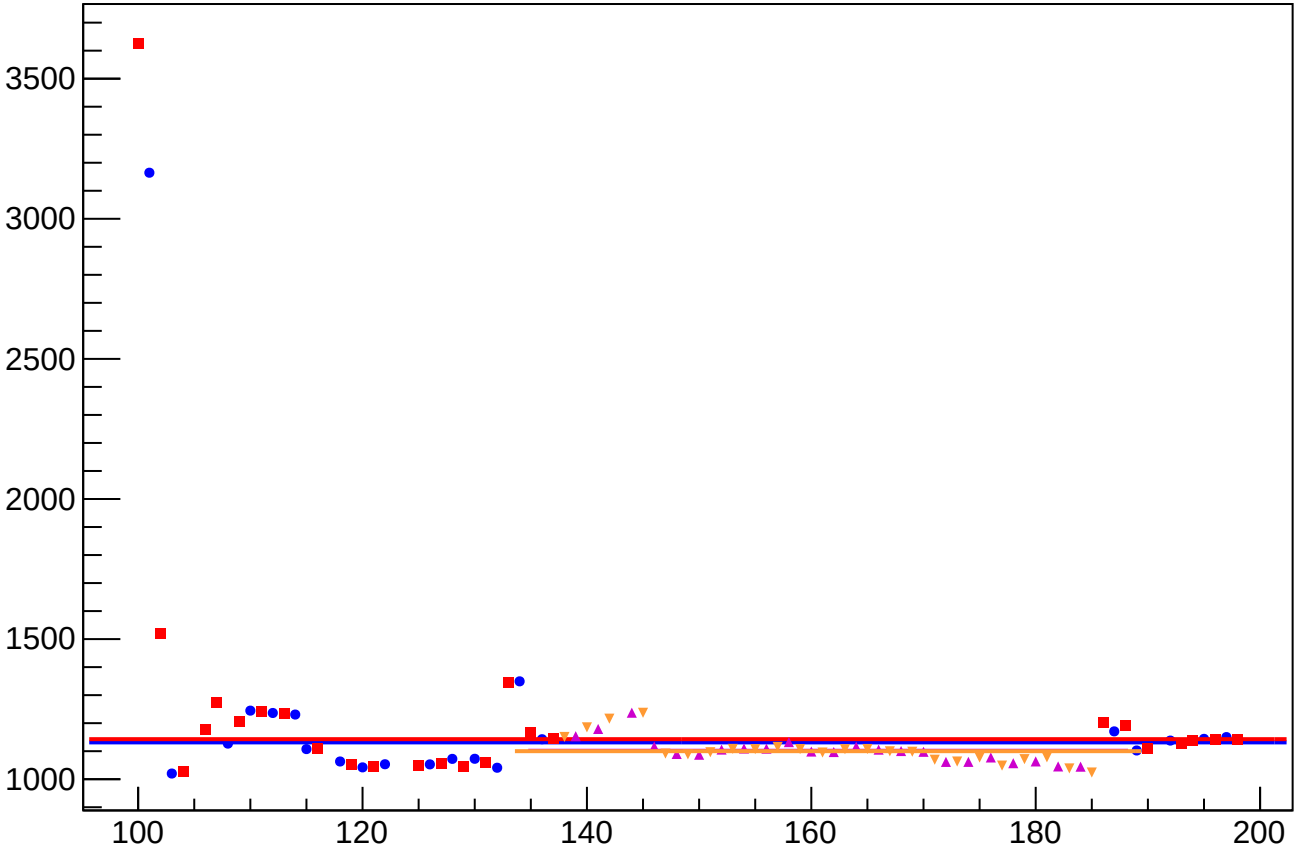
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 246.834+/-206.829 χ^2/NDF: 66.9/44

All: 228.089+/-144.805 χ^2/NDF: 115.7/92

- sign 210.067+/-202.801 χ^2/NDF: 48.8/47

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1131.365+/-0.249 χ^2/NDF: 623405.0/20

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

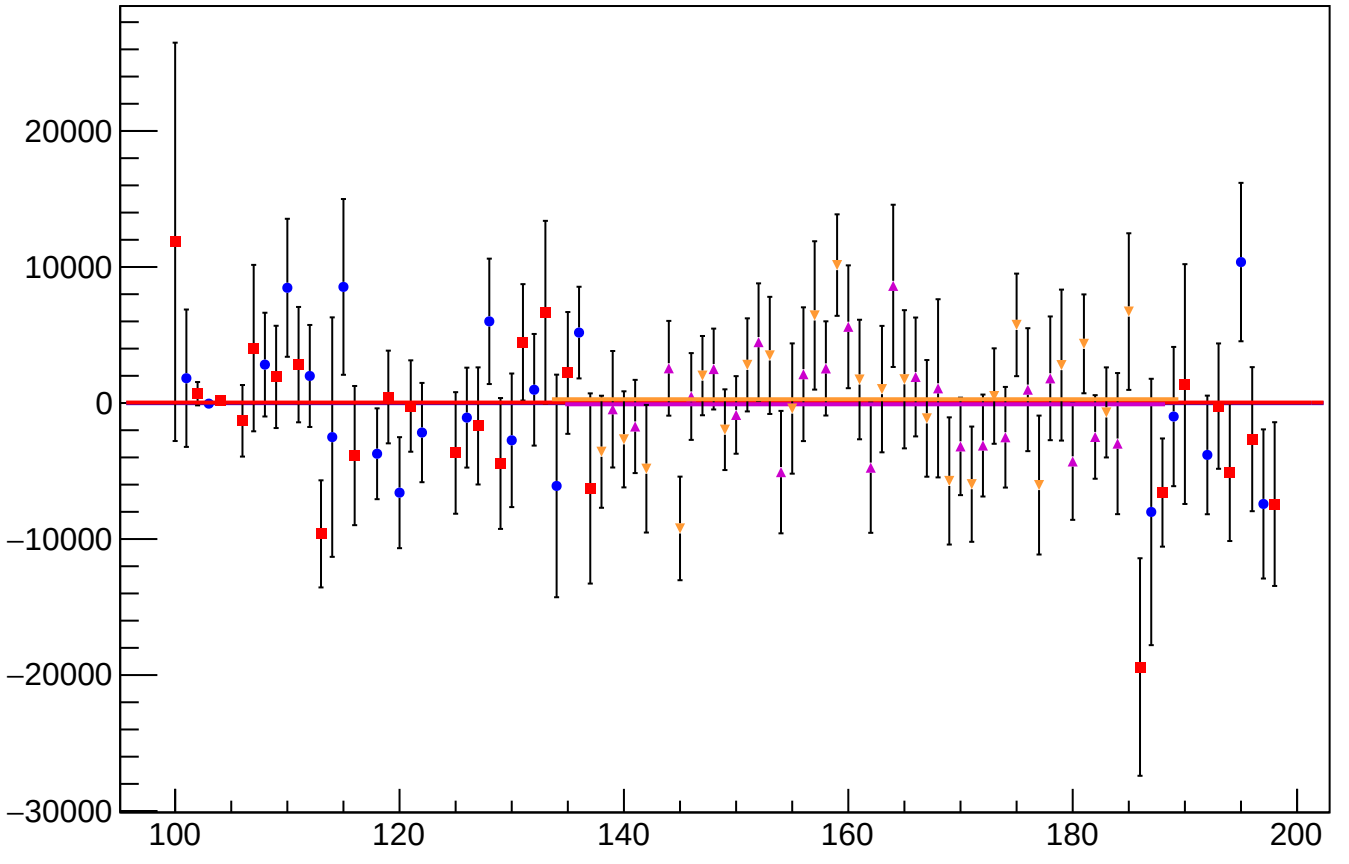
Right Out: 1142.920+/-0.233 χ^2/NDF: 227099.8/24

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1110.858+/-0.146 χ^2/NDF: 692488.3/44

All: 1114.107+/-0.102 χ^2/NDF: 992320.8/92

- sign 1117.230+/-0.143 χ^2/NDF: 298864.5/47



Right In: -9.446+/-341.221 χ^2/NDF: 21.3/20

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

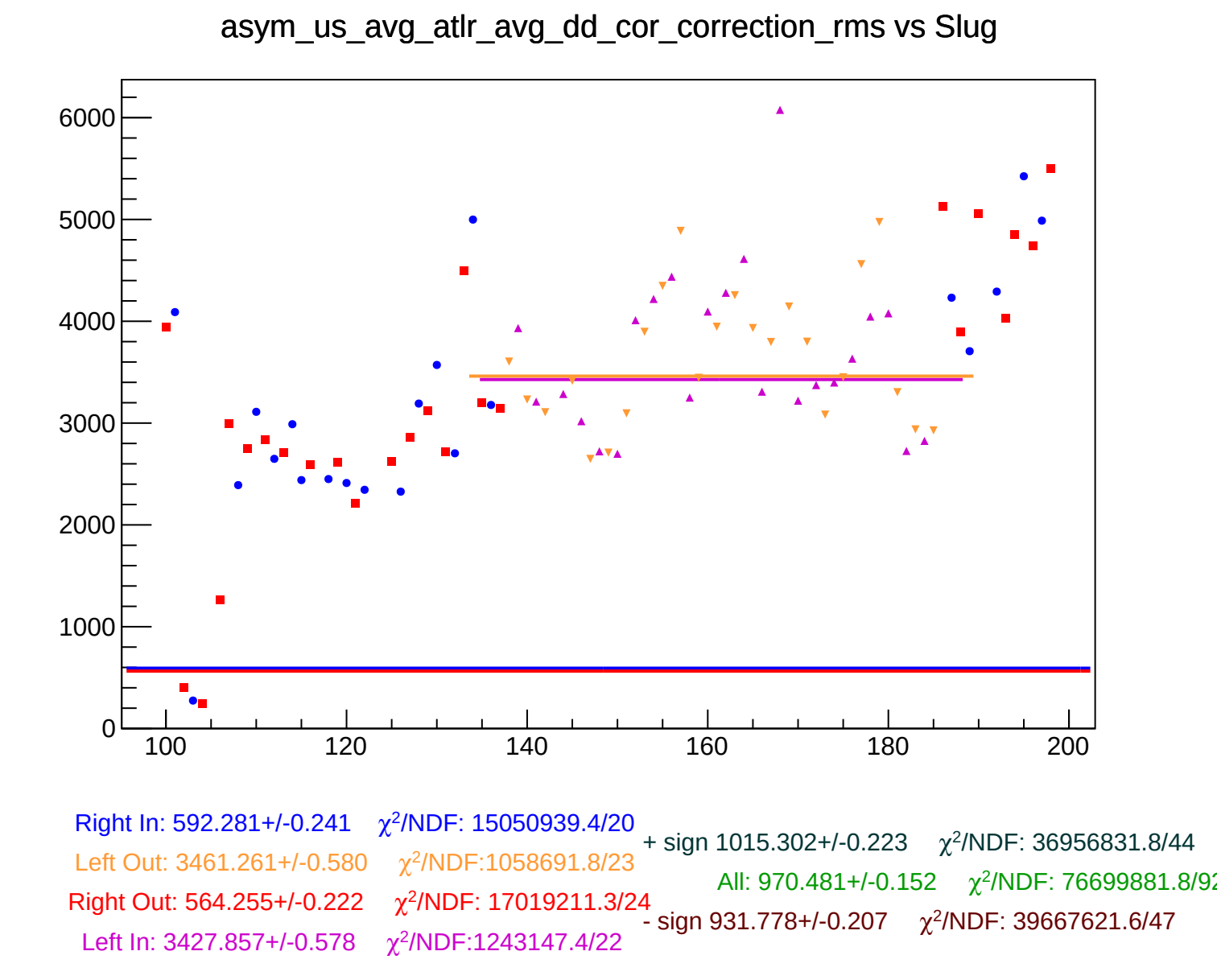
Right Out: 33.528+/-313.583 χ^2/NDF: 25.7/24

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

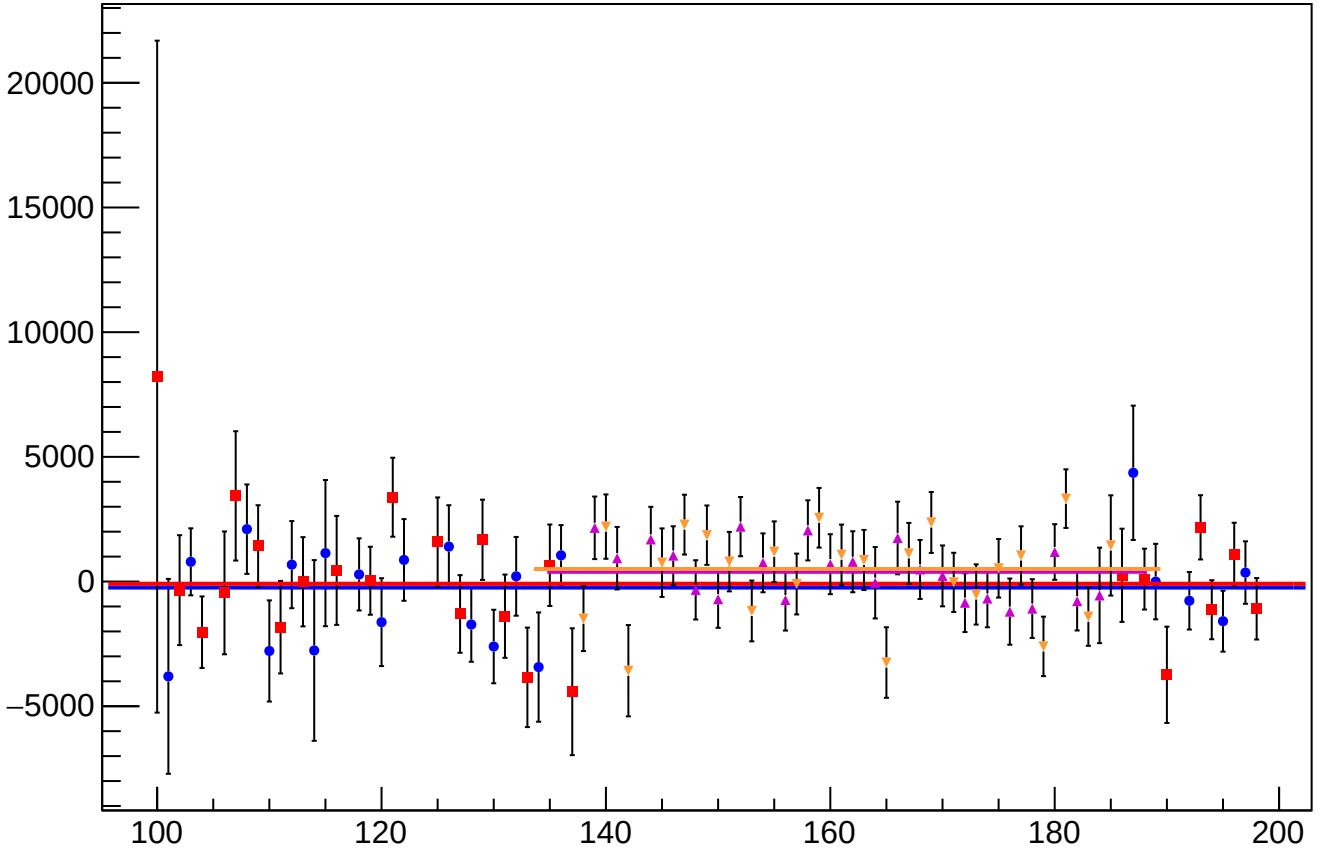
+ sign 32.869+/-315.062 χ^2/NDF: 51.3/44

All: 24.388+/-214.468 χ^2/NDF: 90.7/92

- sign 17.065+/-292.770 χ^2/NDF: 39.3/47


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 592.281+/-0.241 χ²/NDF: 15050939.4/20
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 564.255+/-0.222 χ²/NDF: 17019211.3/24
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
+ sign 1015.302+/-0.223 χ²/NDF: 36956831.8/44
All: 970.481+/-0.152 χ²/NDF: 76699881.8/92
- sign 931.778+/-0.207 χ²/NDF: 39667621.6/47

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -241.116+/-352.204 χ^2/NDF: 19.4/20

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -87.307+/-329.346 χ^2/NDF: 29.7/24

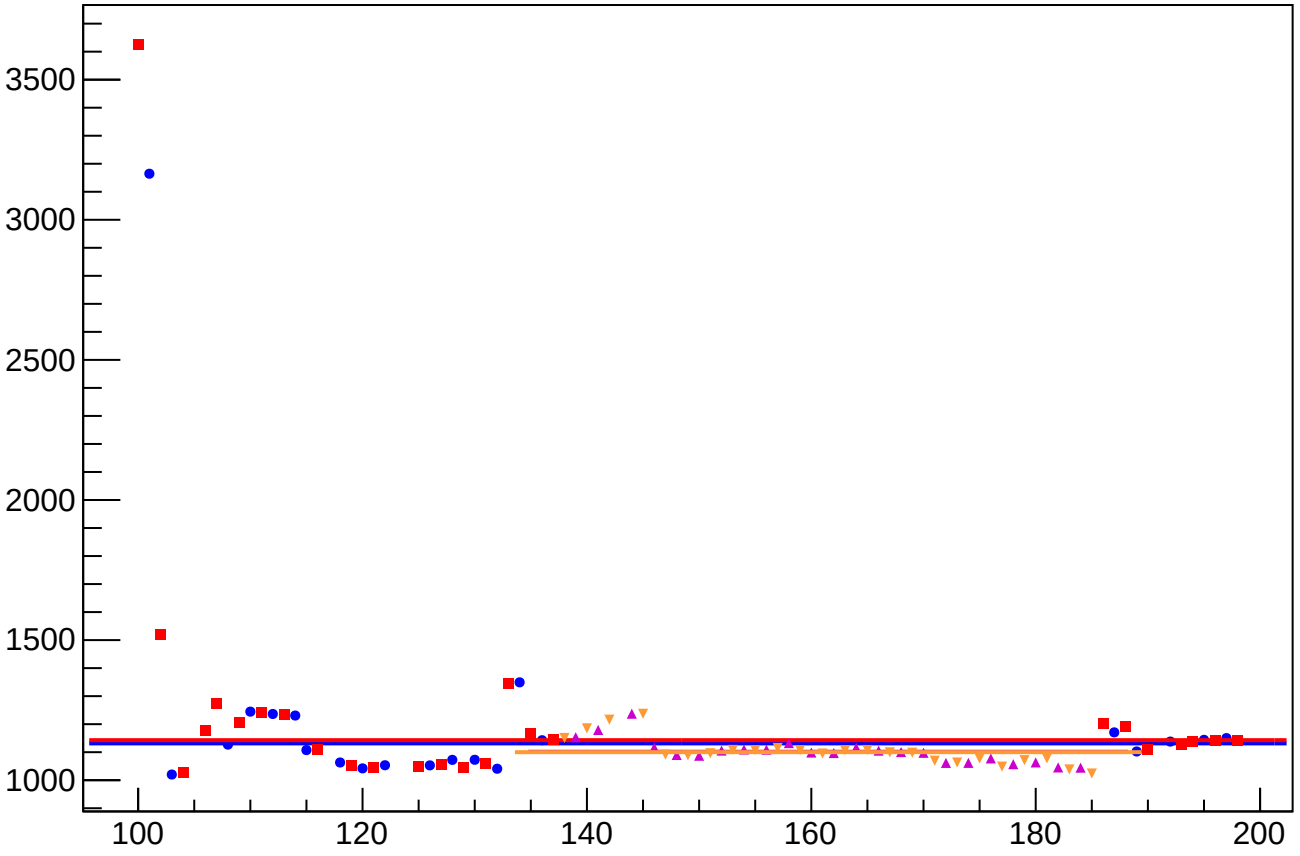
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 246.834+/-206.829 χ^2/NDF: 66.9/44

All: 228.089+/-144.805 χ^2/NDF: 115.7/92

- sign 210.067+/-202.801 χ^2/NDF: 48.8/47

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1131.365+/-0.249 χ^2/NDF: 623405.0/20

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

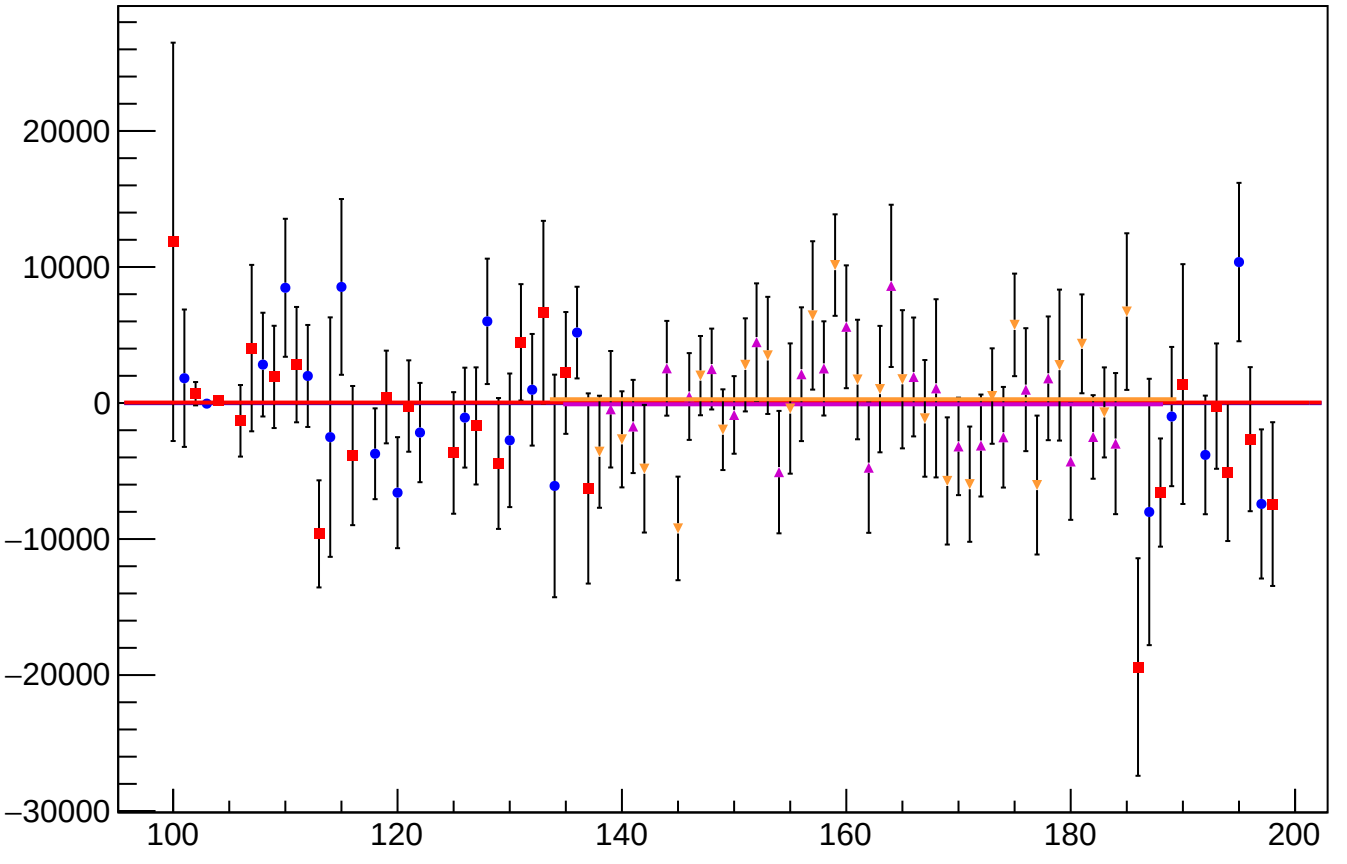
Right Out: 1142.920+/-0.233 χ^2/NDF: 227099.8/24

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1110.858+/-0.146 χ^2/NDF: 692488.3/44

All: 1114.107+/-0.102 χ^2/NDF: 992320.8/92

- sign 1117.230+/-0.143 χ^2/NDF: 298864.5/47



Right In: -9.446+/-341.221 χ^2/NDF: 21.3/20

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

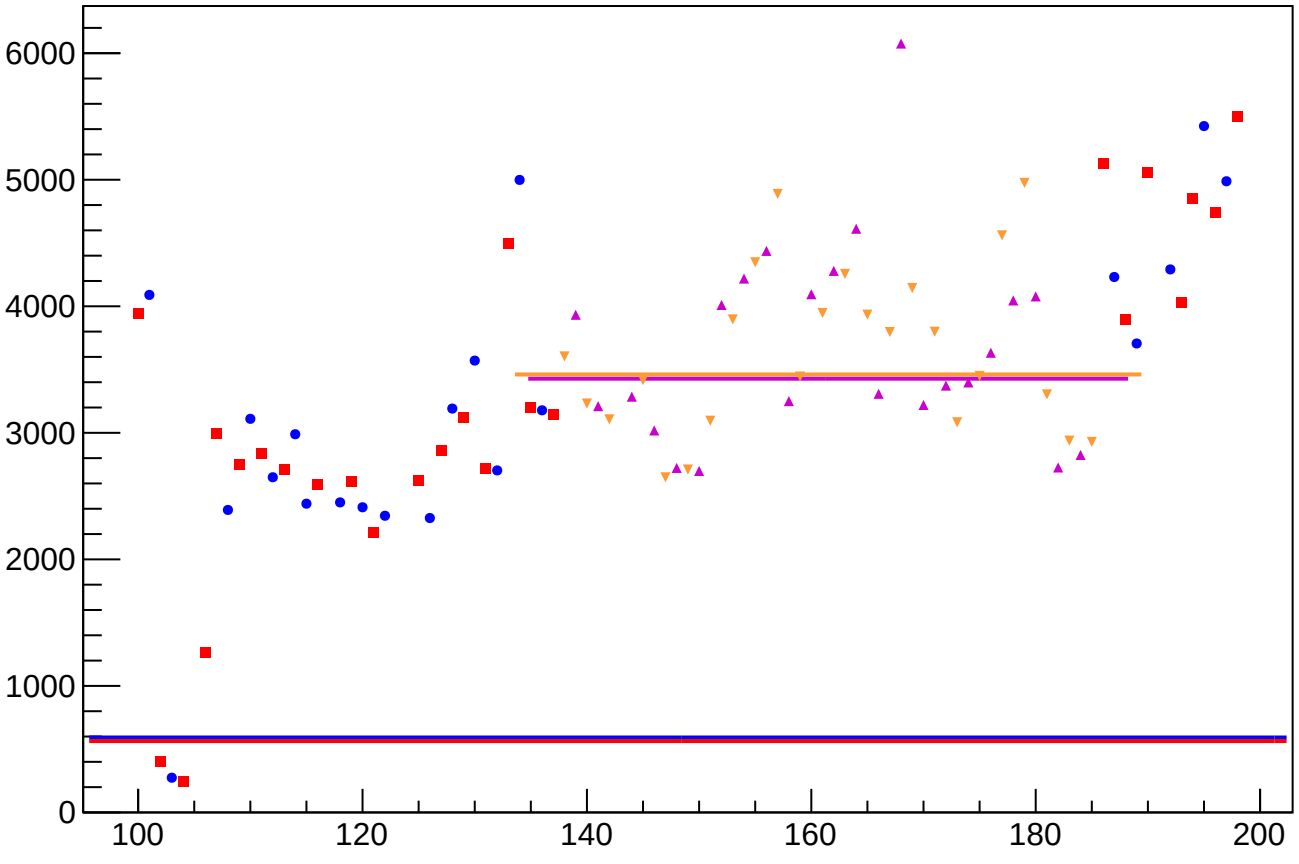
Right Out: 33.528+/-313.583 χ^2/NDF: 25.7/24

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign 32.869+/-315.062 χ^2/NDF: 51.3/44

All: 24.388+/-214.468 χ^2/NDF: 90.7/92

\- sign 17.065+/-292.770 χ^2/NDF: 39.3/47



Right In: 592.281+/-0.241 χ^2/NDF: 15050939.4/20

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 564.255+/-0.222 χ^2/NDF: 17019211.3/24

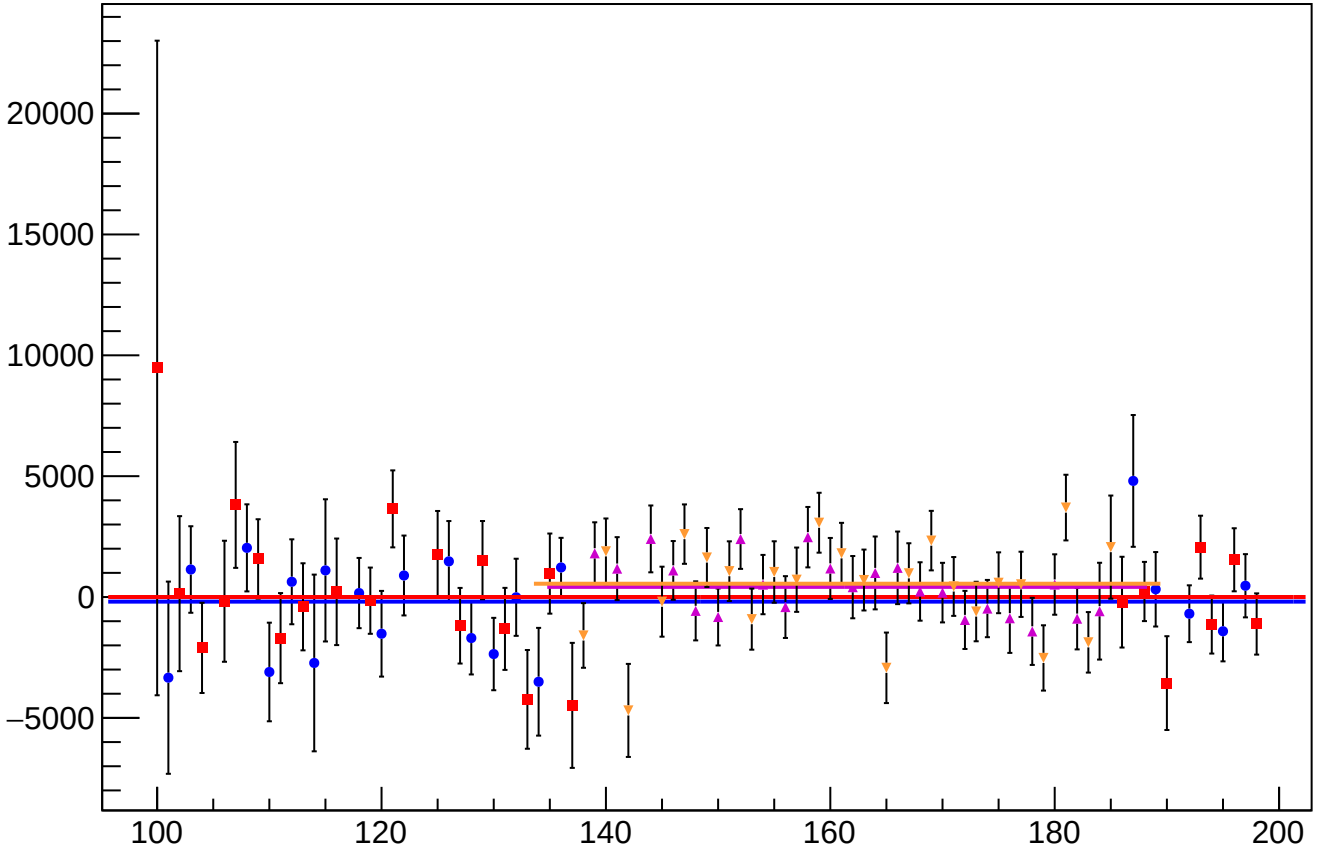
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1015.302+/-0.223 χ^2/NDF: 36956831.8/44

All: 970.481+/-0.152 χ^2/NDF: 76699881.8/92

- sign 931.778+/-0.207 χ^2/NDF: 39667621.6/47

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -189.683+/-362.456 χ^2/NDF: 19.2/20

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 1.234+/-338.801 χ^2/NDF: 30.7/24

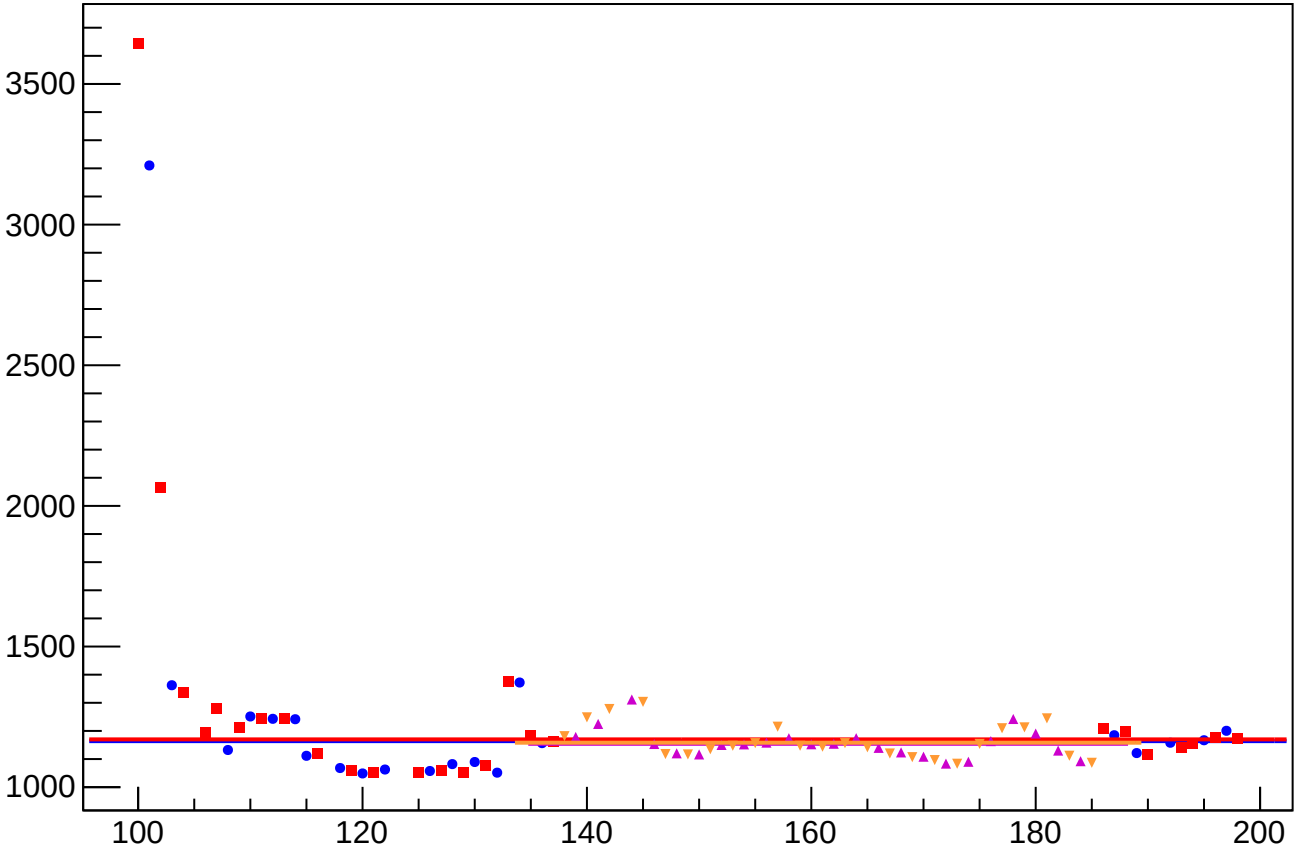
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 287.453+/-216.117 χ^2/NDF: 67.1/44

All: 272.433+/-150.999 χ^2/NDF: 116.7/92

- sign 258.107+/-211.062 χ^2/NDF: 49.6/47

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1163.711+/-0.256 χ^2/NDF: 638633.5/20

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1169.930+/-0.240 χ^2/NDF: 336491.8/24

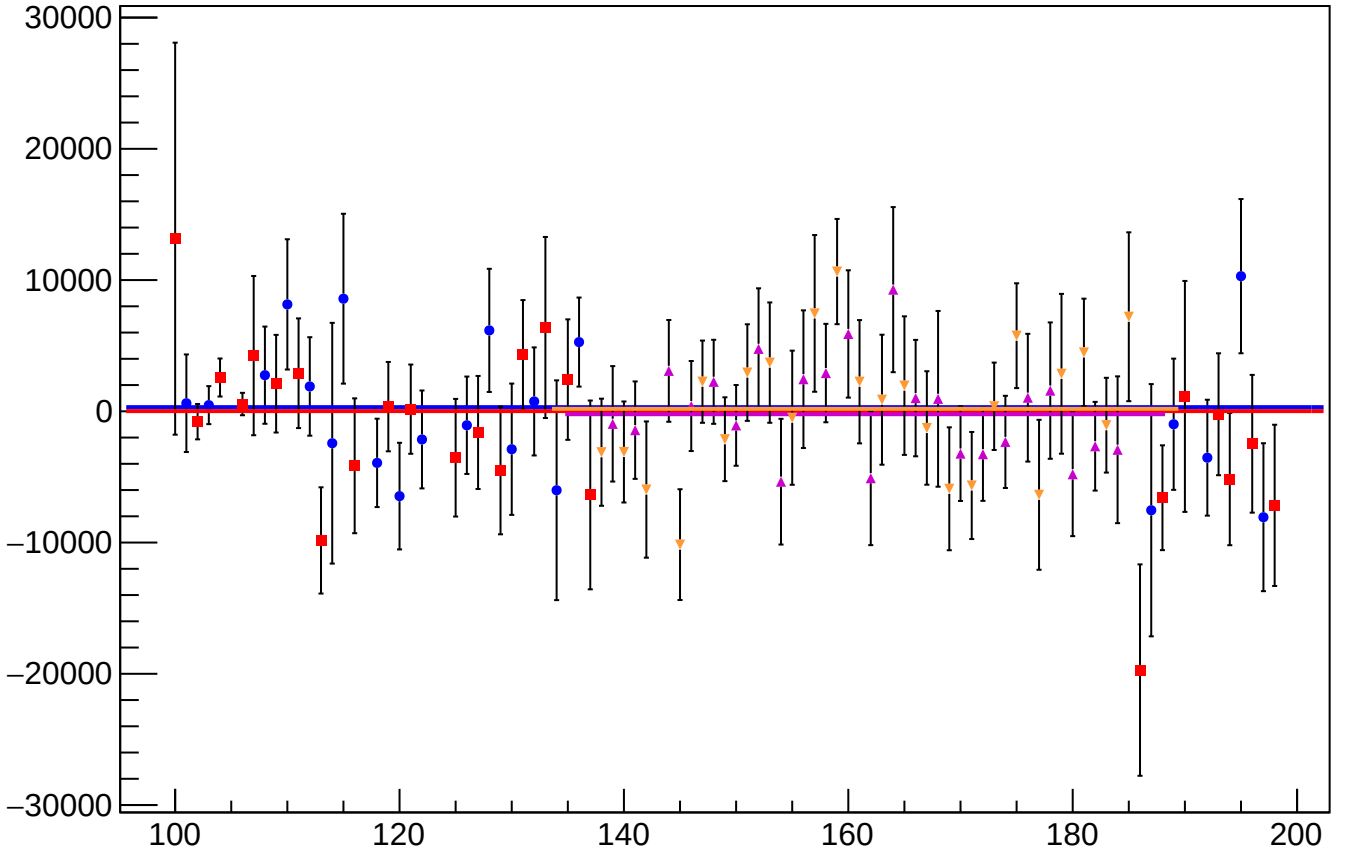
Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1160.144+/-0.153 χ^2/NDF: 723045.8/44

All: 1160.237+/-0.107 χ^2/NDF: 1128643.9/92

- sign 1160.325+/-0.149 χ^2/NDF: 405597.3/47

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 316.178+/-824.425 χ^2/NDF: 21.1/20

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

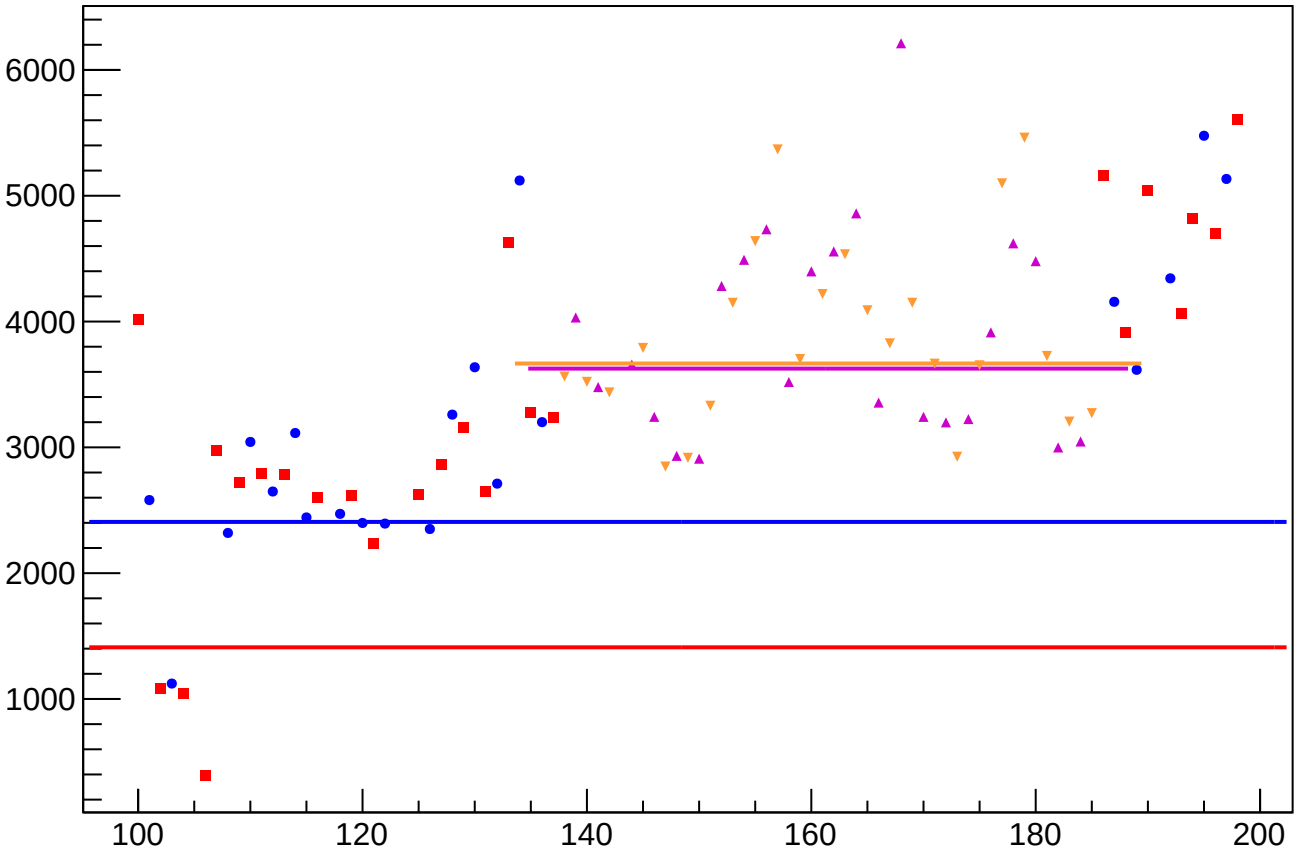
Right Out: 16.223+/-545.335 χ^2/NDF: 28.5/24

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 256.314+/-598.235 χ^2/NDF: 50.3/44

All: 63.349+/-365.295 χ^2/NDF: 92.5/92

- sign -51.375+/-461.277 χ^2/NDF: 42.0/47



Right In: 2407.407+/-0.583 χ^2/NDF: 3734033.5/20

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

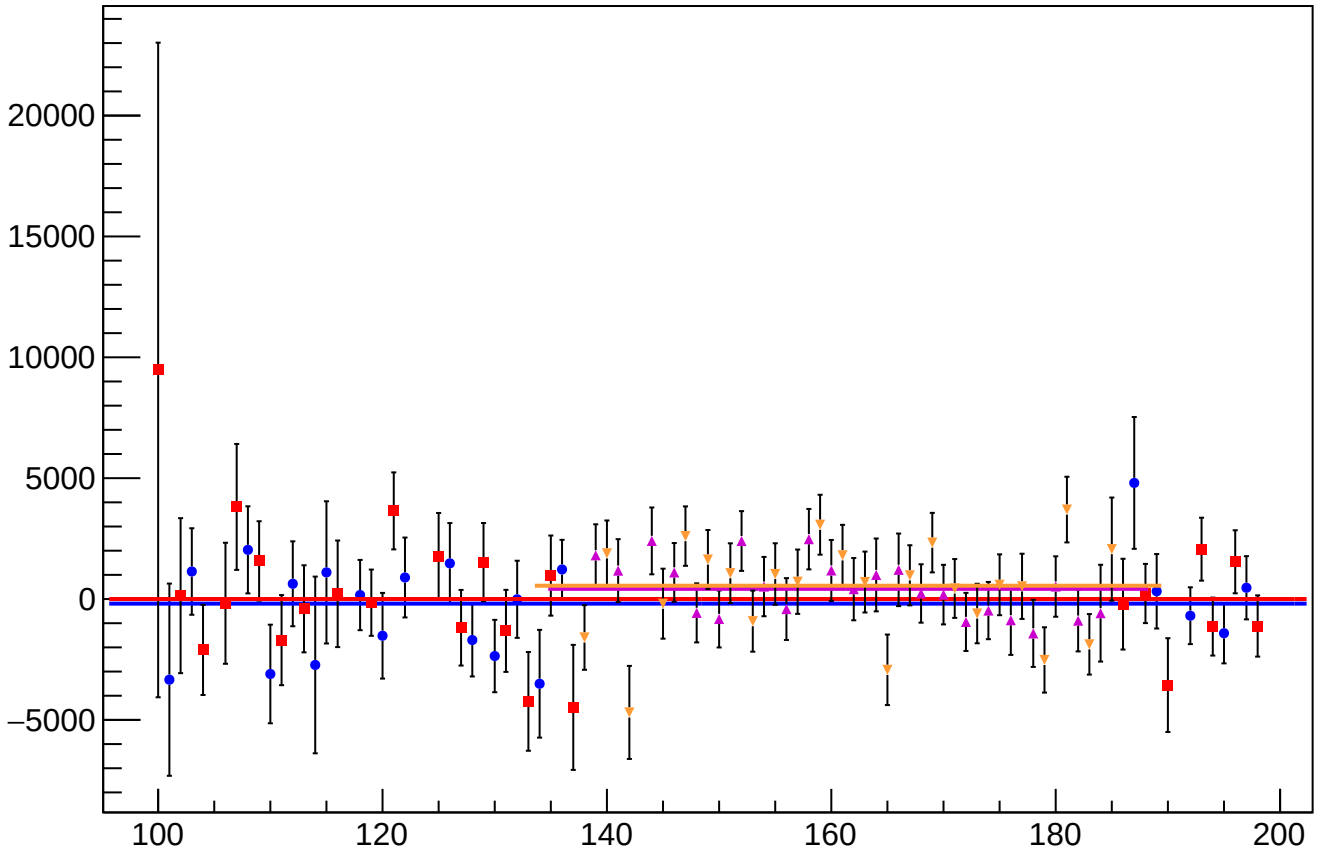
Right Out: 1410.583+/-0.386 χ^2/NDF: 11023075.4/24

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3003.539+/-0.423 χ^2/NDF: 7038582.2/44

All: 2399.829+/-0.258 χ^2/NDF: 31958191.6/9

- sign 2040.902+/-0.326 χ^2/NDF: 21671902.5/47



Right In: -189.684+/-362.456 χ^2/NDF: 19.2/20

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 1.236+/-338.801 χ^2/NDF: 30.7/24

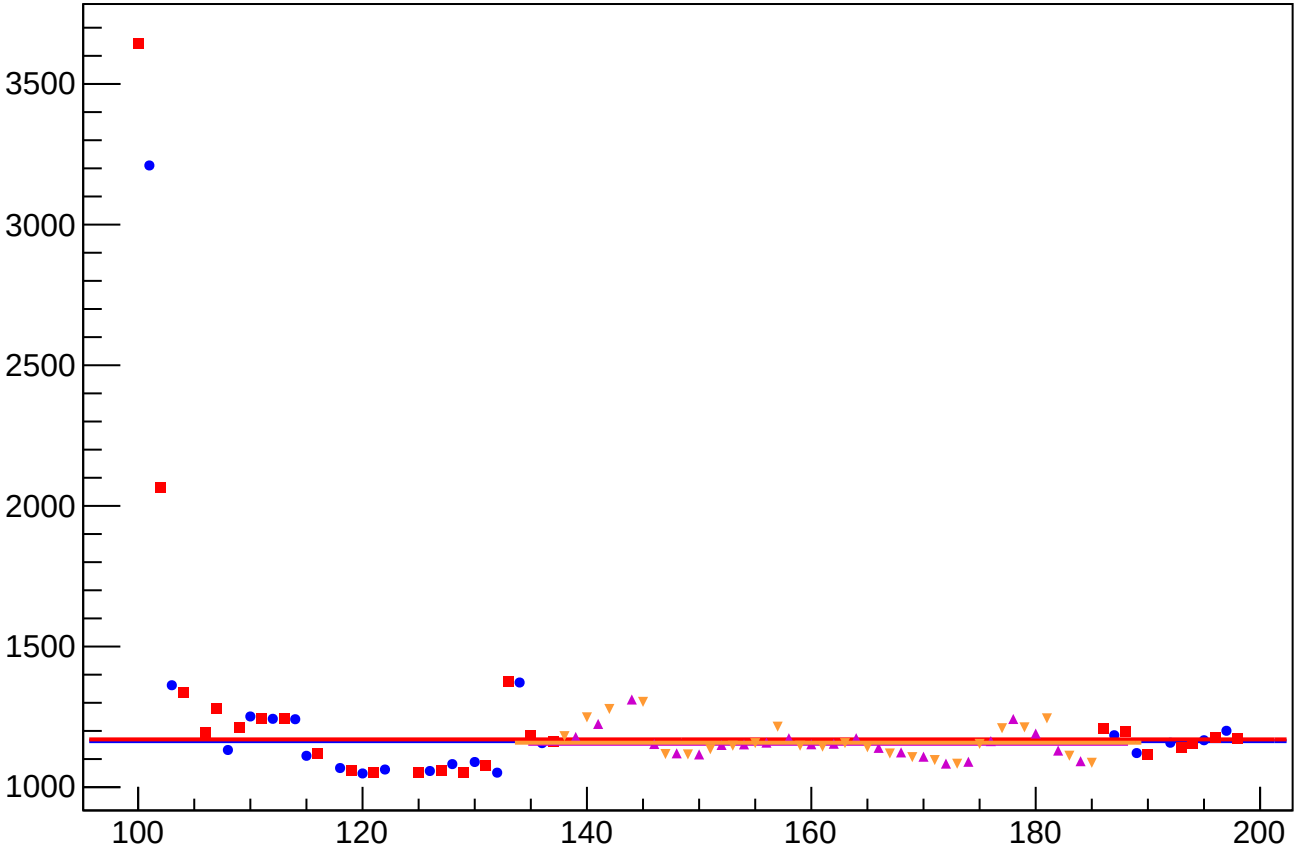
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 287.453+/-216.117 χ^2/NDF: 67.1/44

All: 272.433+/-150.999 χ^2/NDF: 116.7/92

- sign 258.107+/-211.062 χ^2/NDF: 49.6/47

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1163.711+/-0.256 χ^2/NDF: 638633.8/20

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

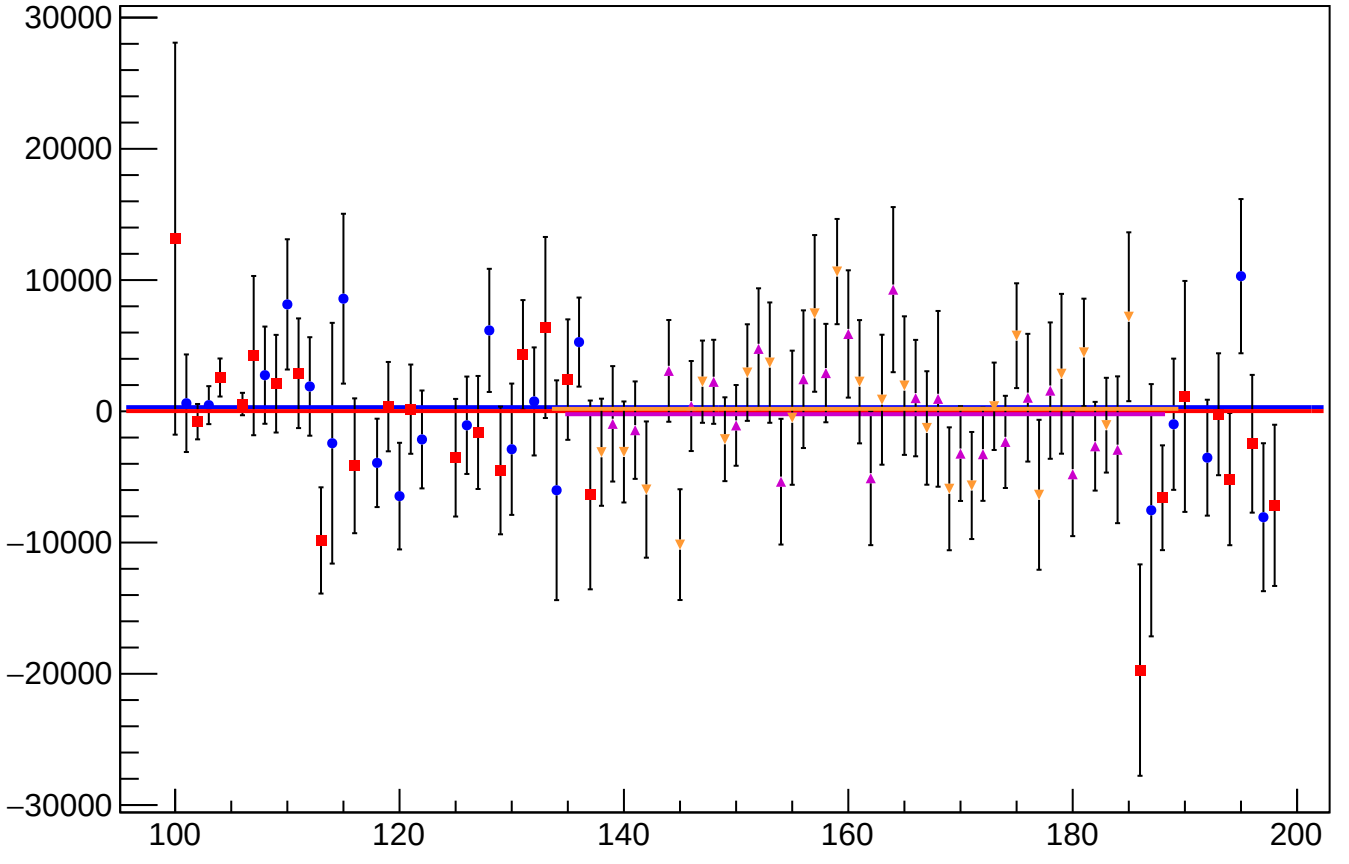
Right Out: 1169.930+/-0.240 χ^2/NDF: 336491.4/24

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1160.145+/-0.153 χ^2/NDF: 723048.5/44

All: 1160.238+/-0.107 χ^2/NDF: 1128648.4/92

- sign 1160.326+/-0.149 χ^2/NDF: 405599.2/47



Right In: 316.173+/-824.424 χ^2/NDF: 21.1/20

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

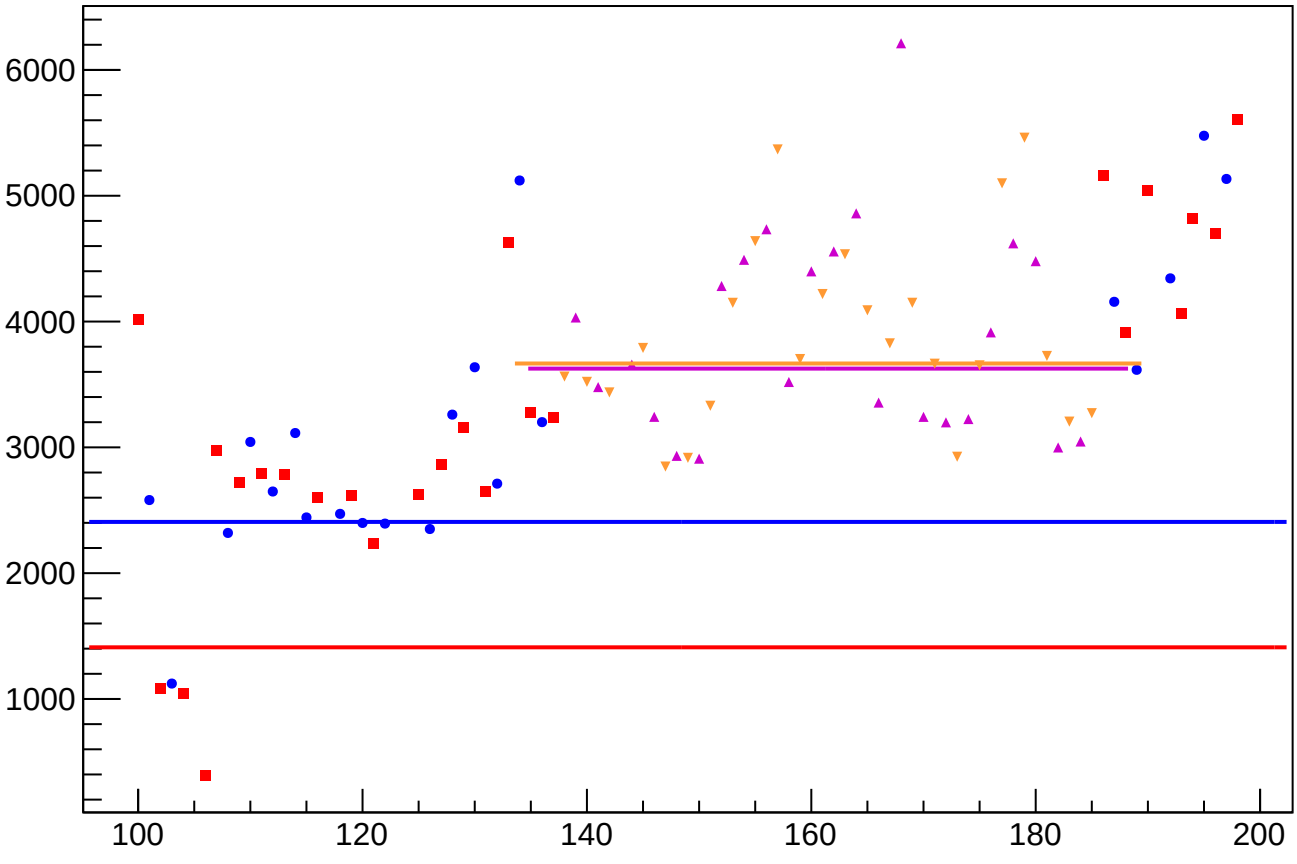
Right Out: 16.233+/-545.329 χ^2/NDF: 28.5/24

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 256.311+/-598.235 χ^2/NDF: 50.3/44

All: 63.352+/-365.294 χ^2/NDF: 92.5/92

- sign -51.368+/-461.273 χ^2/NDF: 42.0/47



Right In: 2407.403+/-0.583 χ^2/NDF: 3734040.6/20

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1410.556+/-0.386 χ^2/NDF: 11023284.6/24

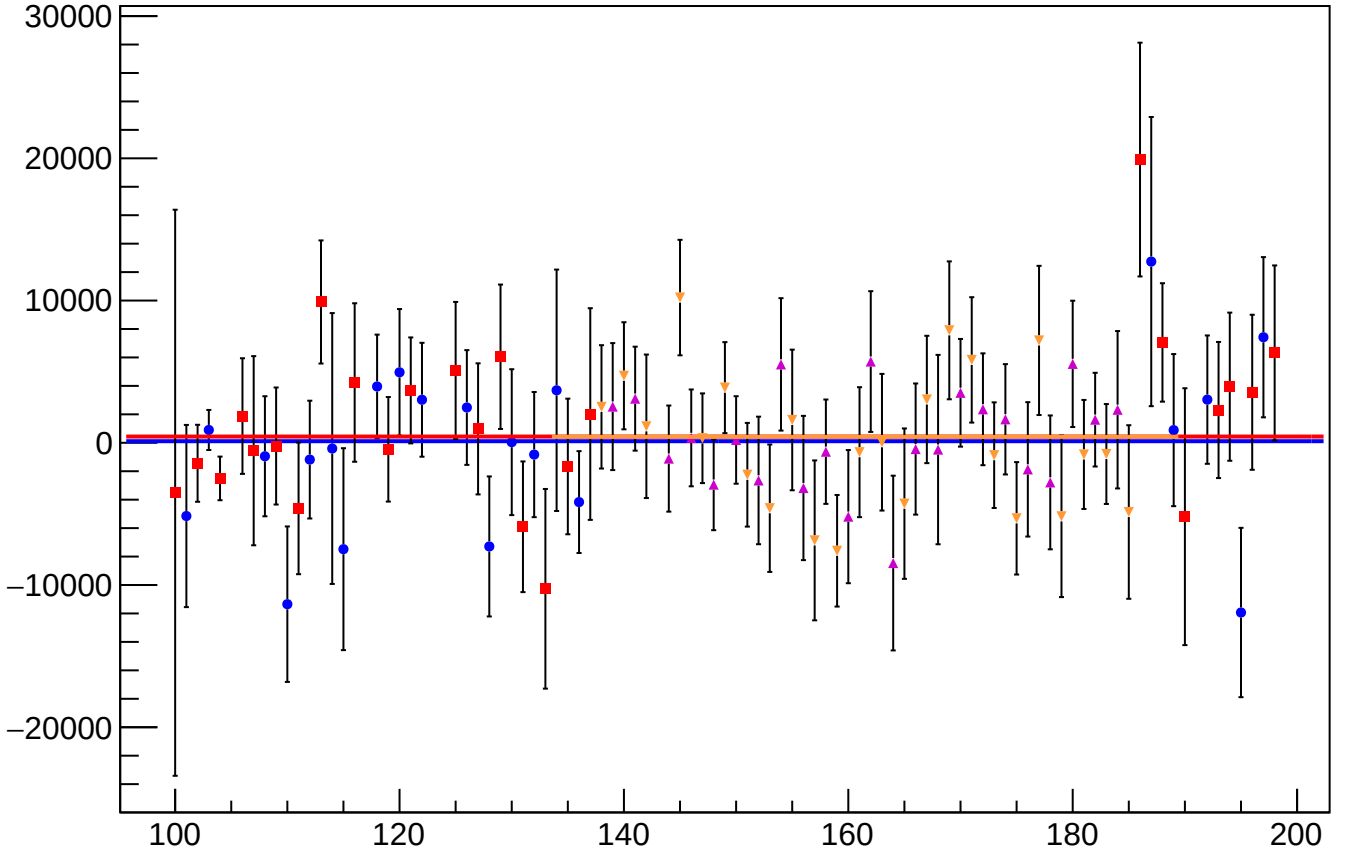
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3003.538+/-0.423 χ^2/NDF: 7038622.1/44

All: 2399.807+/-0.258 χ^2/NDF: 31958963.6/9

- sign 2040.872+/-0.326 χ^2/NDF: 21672426.4/47

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 110.779+/-866.101 χ^2/NDF: 21.5/20

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

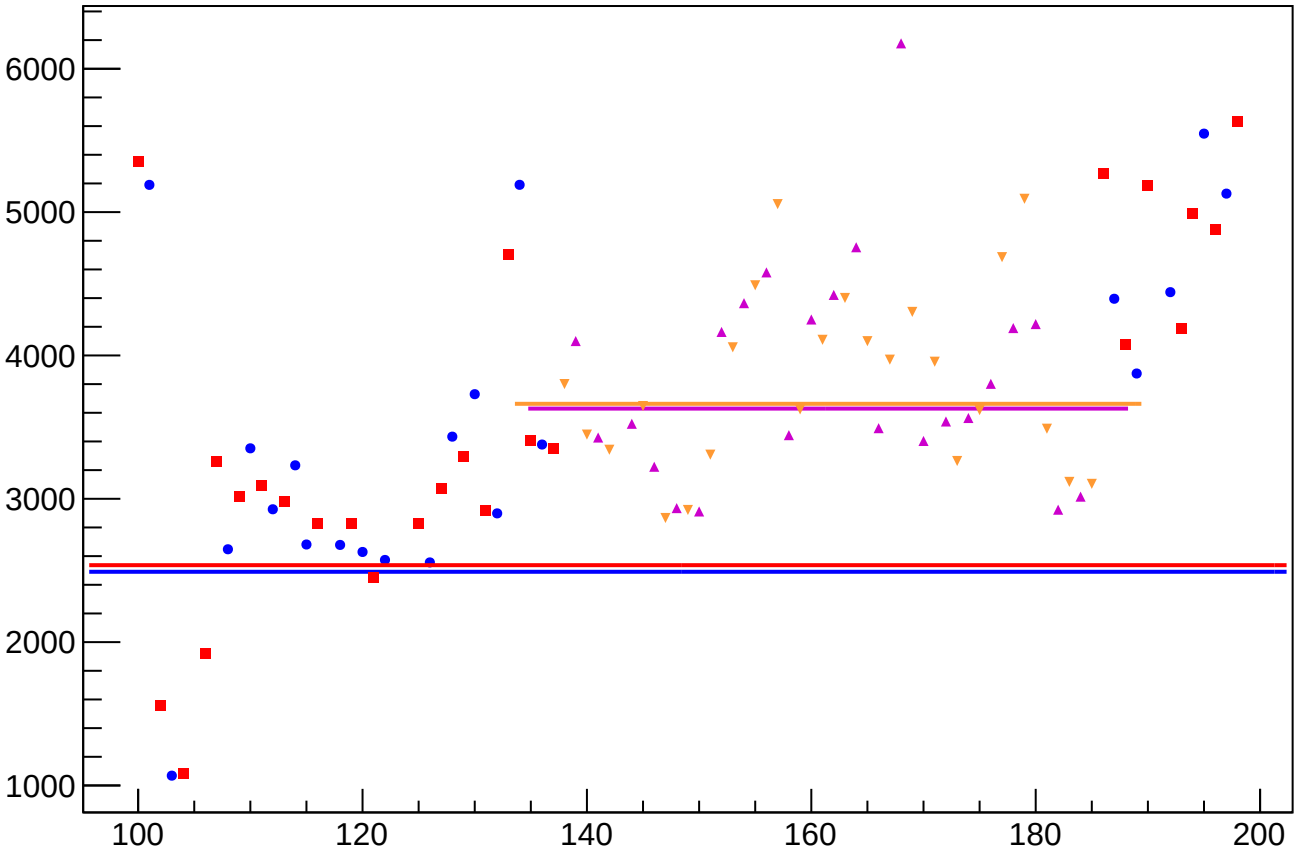
Right Out: 438.188+/-825.087 χ^2/NDF: 28.6/24

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 262.271+/-612.154 χ^2/NDF: 48.8/44

All: 344.056+/-427.103 χ^2/NDF: 89.7/92

- sign 421.632+/-596.192 χ^2/NDF: 40.9/47



Right In: 2490.841+/-0.612 χ^2/NDF: 4567787.6/20

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

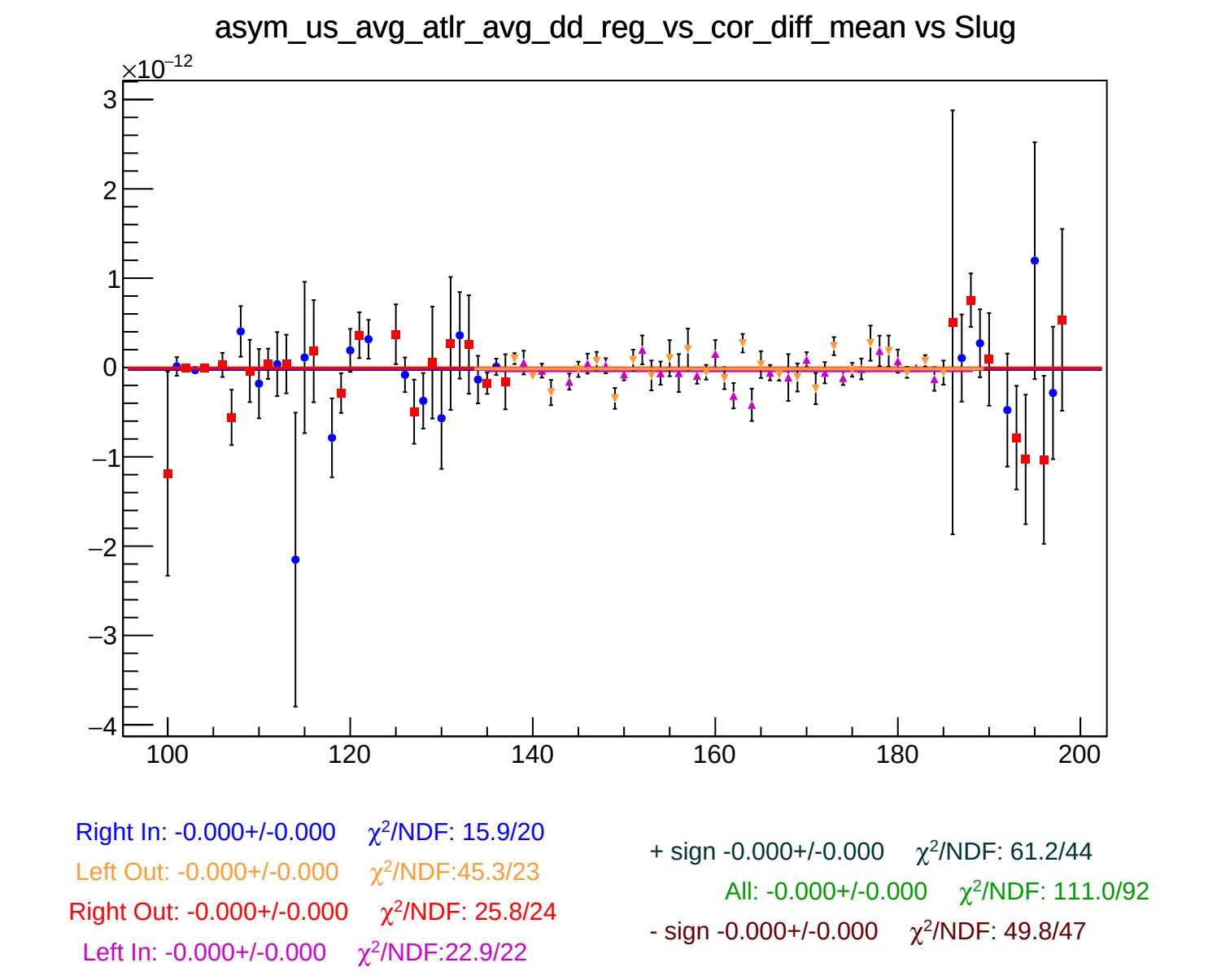
Right Out: 2536.896+/-0.582 χ^2/NDF: 4868608.2/24

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3077.271+/-0.433 χ^2/NDF: 7293454.5/44

All: 3067.253+/-0.302 χ^2/NDF: 14896326.4/9

- sign 3057.771+/-0.421 χ^2/NDF: 7601829.3/47


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
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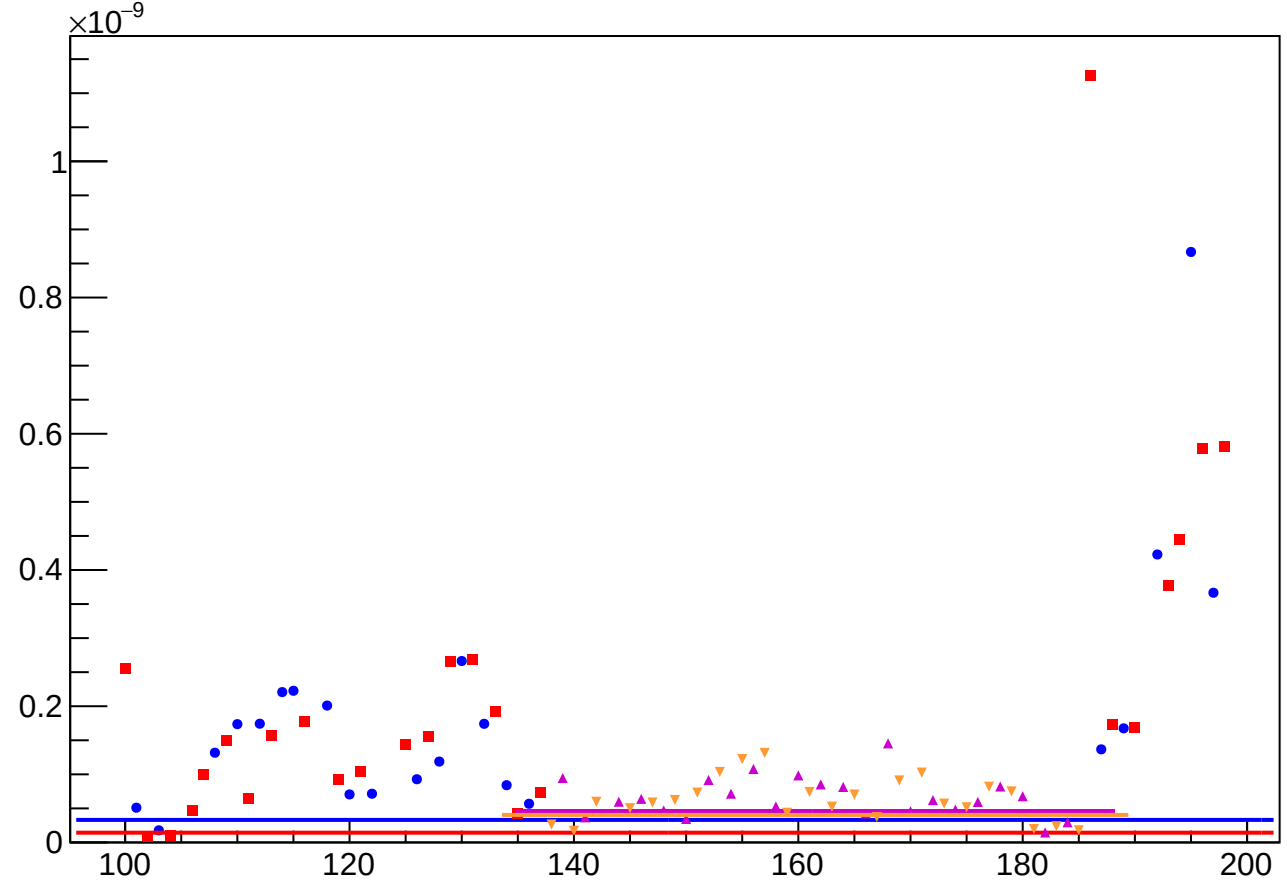
Right In: -0.000+/-0.000 χ²/NDF: 15.9/20
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/24
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 61.2/44
All: -0.000+/-0.000 χ²/NDF: 111.0/92
- sign -0.000+/-0.000 χ²/NDF: 49.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 5306290.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

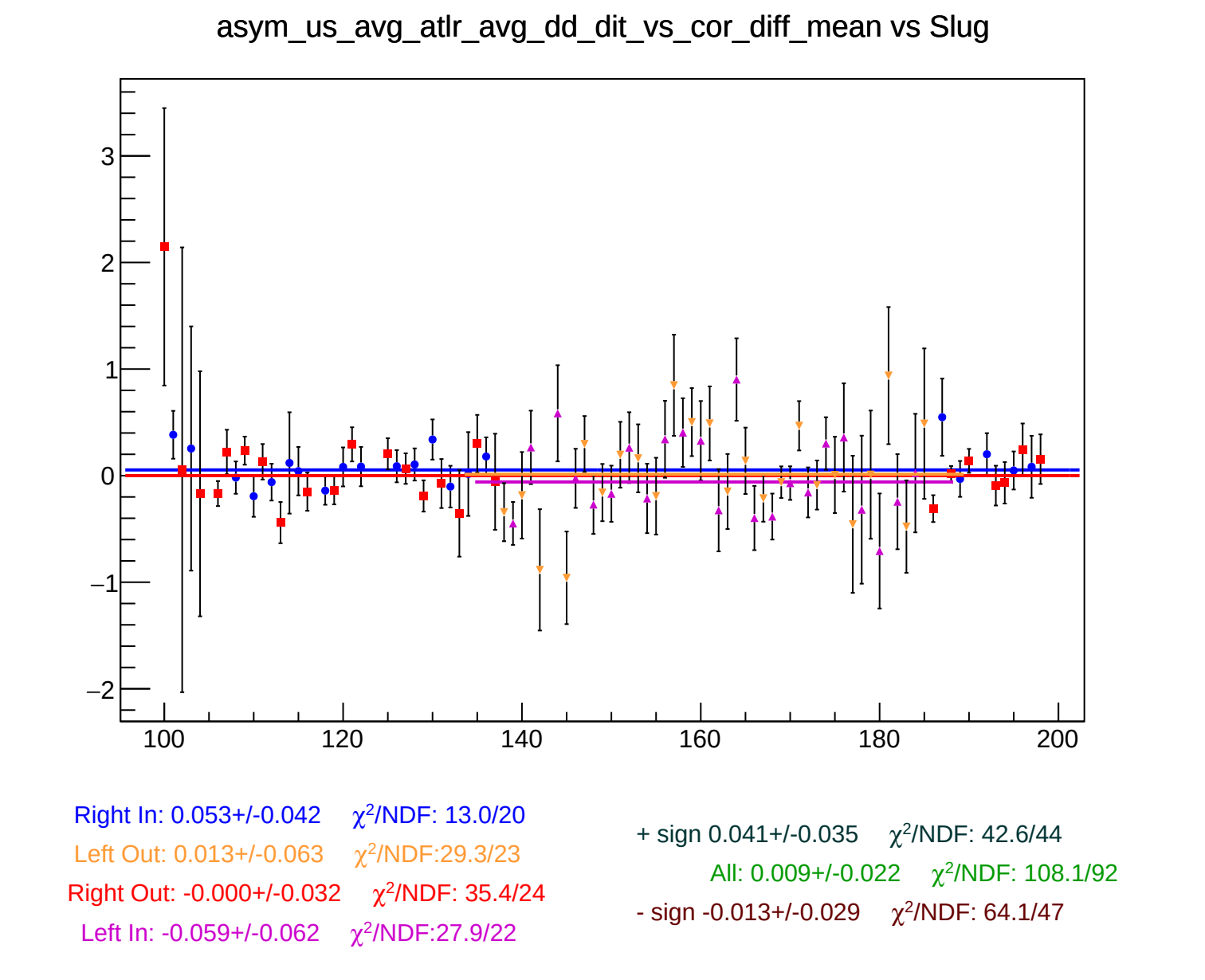
Right Out: 0.000+/-0.000 χ^2/NDF: 7673489.9/24

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8846639.7/44

All: 0.000+/-0.000 χ^2/NDF: 23532906.7/92

- sign 0.000+/-0.000 χ^2/NDF: 13859437.8/47


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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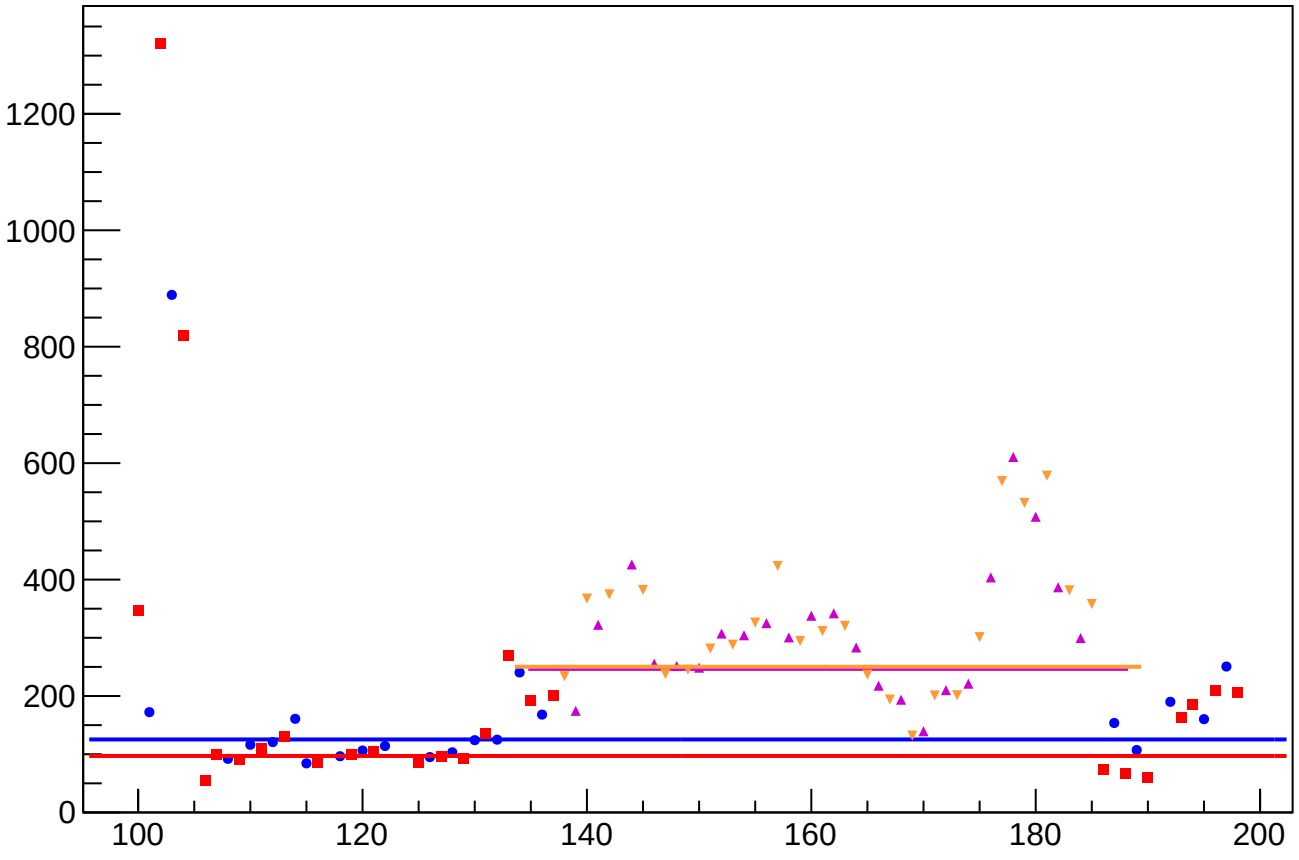
Right In: 0.053+/-0.042 χ²/NDF: 13.0/20
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.000+/-0.032 χ²/NDF: 35.4/24
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.041+/-0.035 χ²/NDF: 42.6/44
All: 0.009+/-0.022 χ²/NDF: 108.1/92
- sign -0.013+/-0.029 χ²/NDF: 64.1/47



Right In: 125.403+/-0.030 χ^2/NDF: 2381785.6/20

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

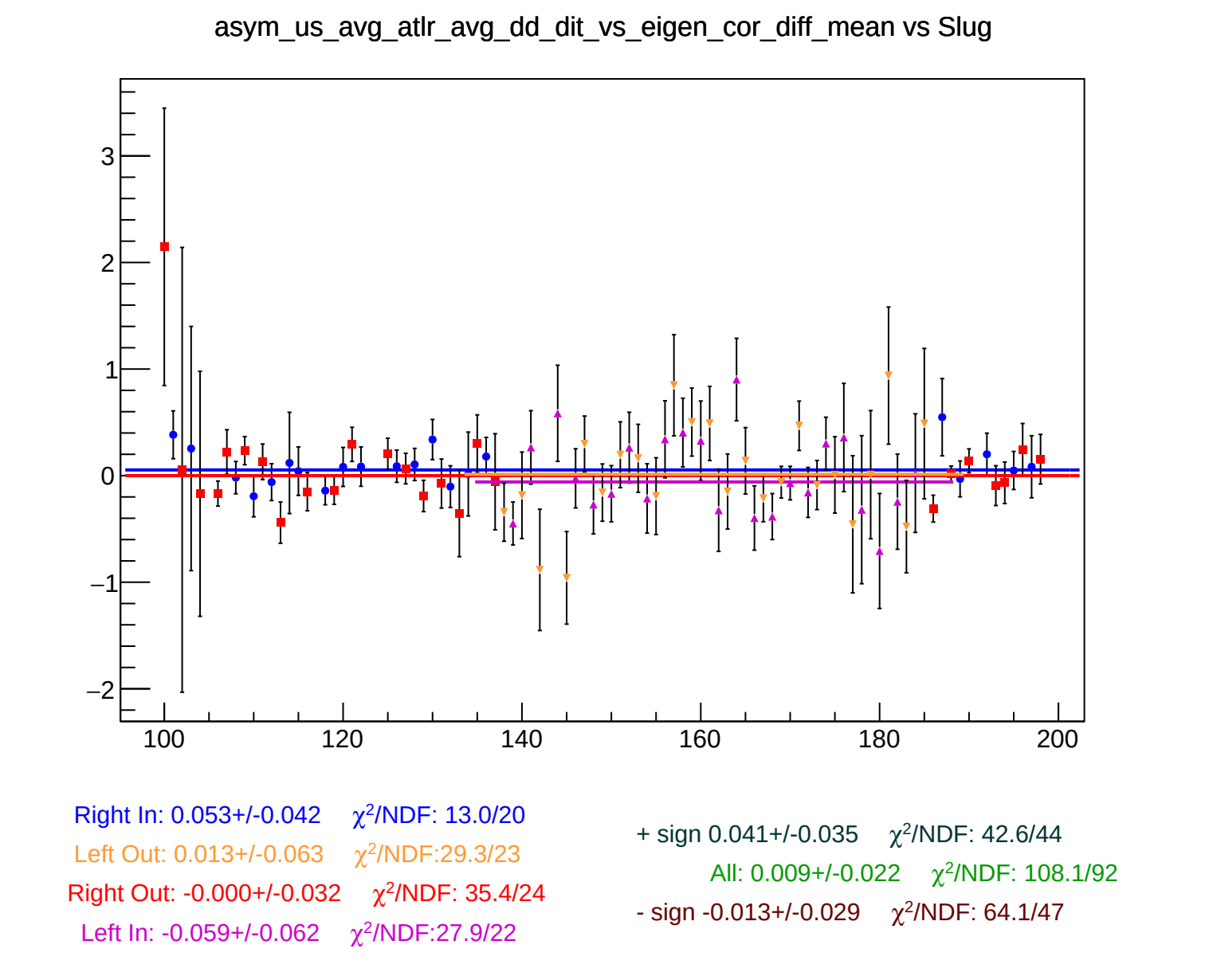
Right Out: 97.026+/-0.023 χ^2/NDF: 4818252.6/24

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 164.348+/-0.025 χ^2/NDF: 12137407.4/44

All: 143.274+/-0.016 χ^2/NDF: 31062266.6/92

- sign 129.201+/-0.020 χ^2/NDF: 17728646.4/47


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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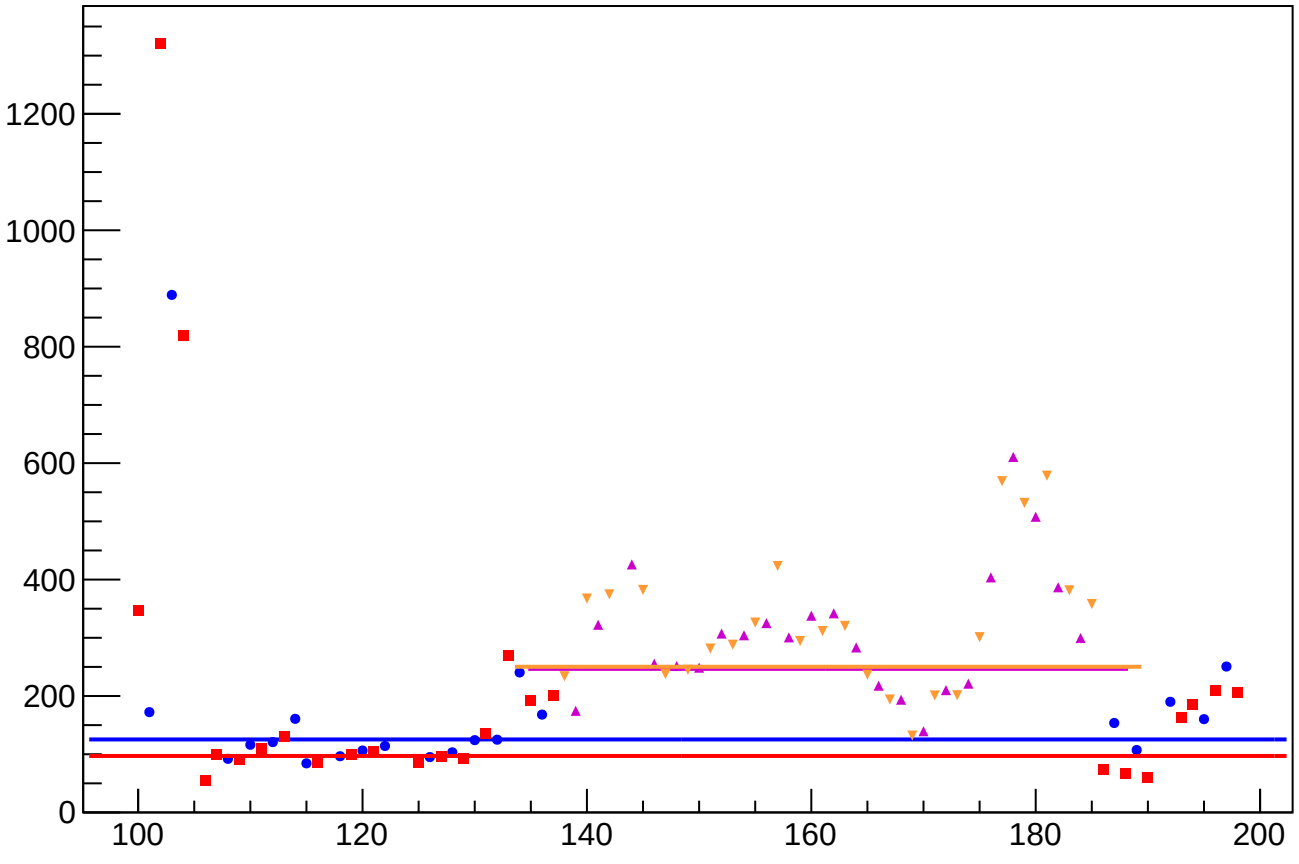
Right In: 0.053+/-0.042 χ²/NDF: 13.0/20
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.000+/-0.032 χ²/NDF: 35.4/24
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.041+/-0.035 χ²/NDF: 42.6/44
All: 0.009+/-0.022 χ²/NDF: 108.1/92
- sign -0.013+/-0.029 χ²/NDF: 64.1/47



Right In: 125.403+/-0.030 χ^2/NDF: 2381785.6/20

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

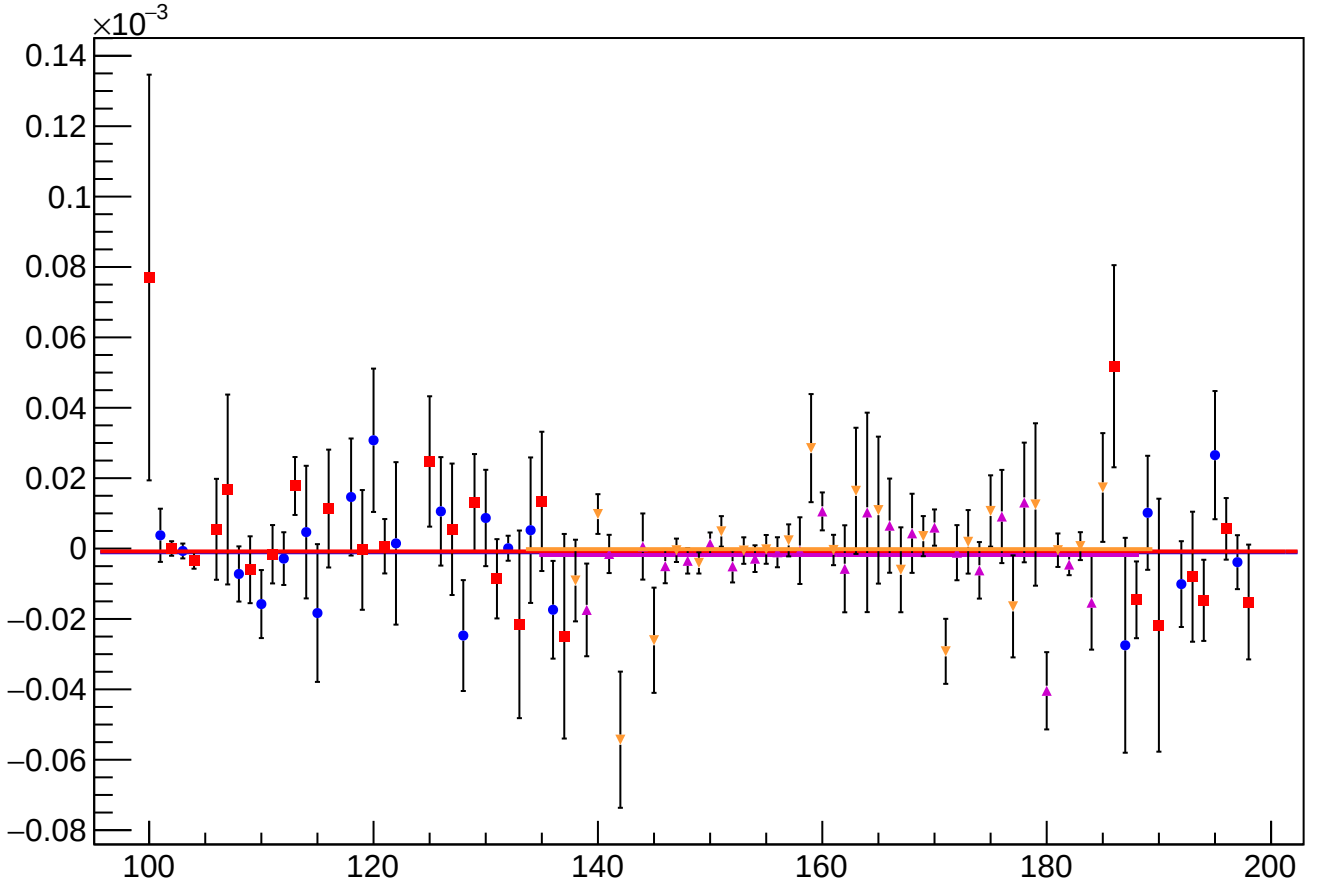
Right Out: 97.026+/-0.023 χ^2/NDF: 4818252.6/24

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 164.348+/-0.025 χ^2/NDF: 12137407.4/44

All: 143.274+/-0.016 χ^2/NDF: 31062266.6/92

- sign 129.201+/-0.020 χ^2/NDF: 17728646.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 16.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

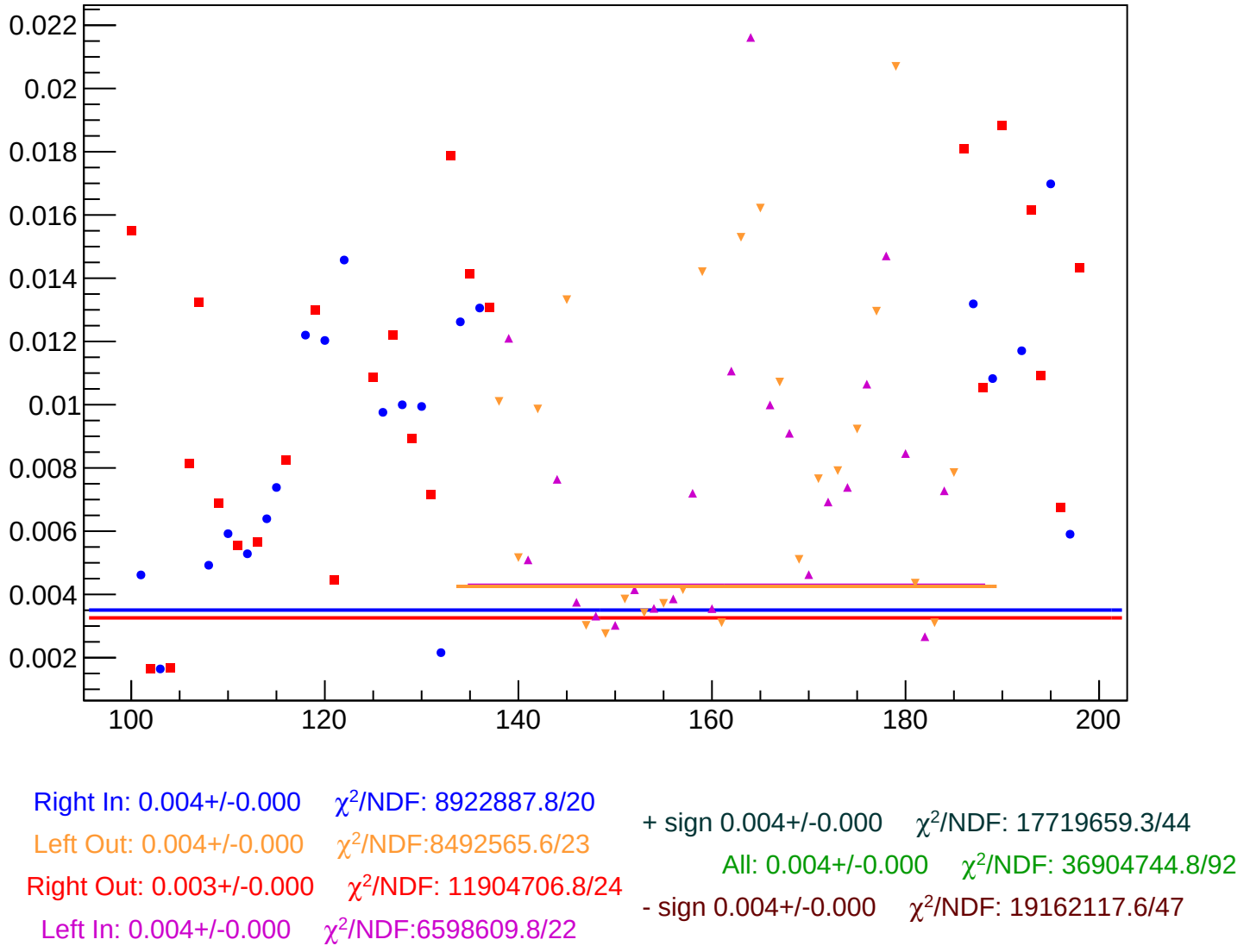
Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/24

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.1/44

All: -0.000+/-0.000 χ^2/NDF: 106.5/92

- sign -0.000+/-0.000 χ^2/NDF: 51.9/47


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
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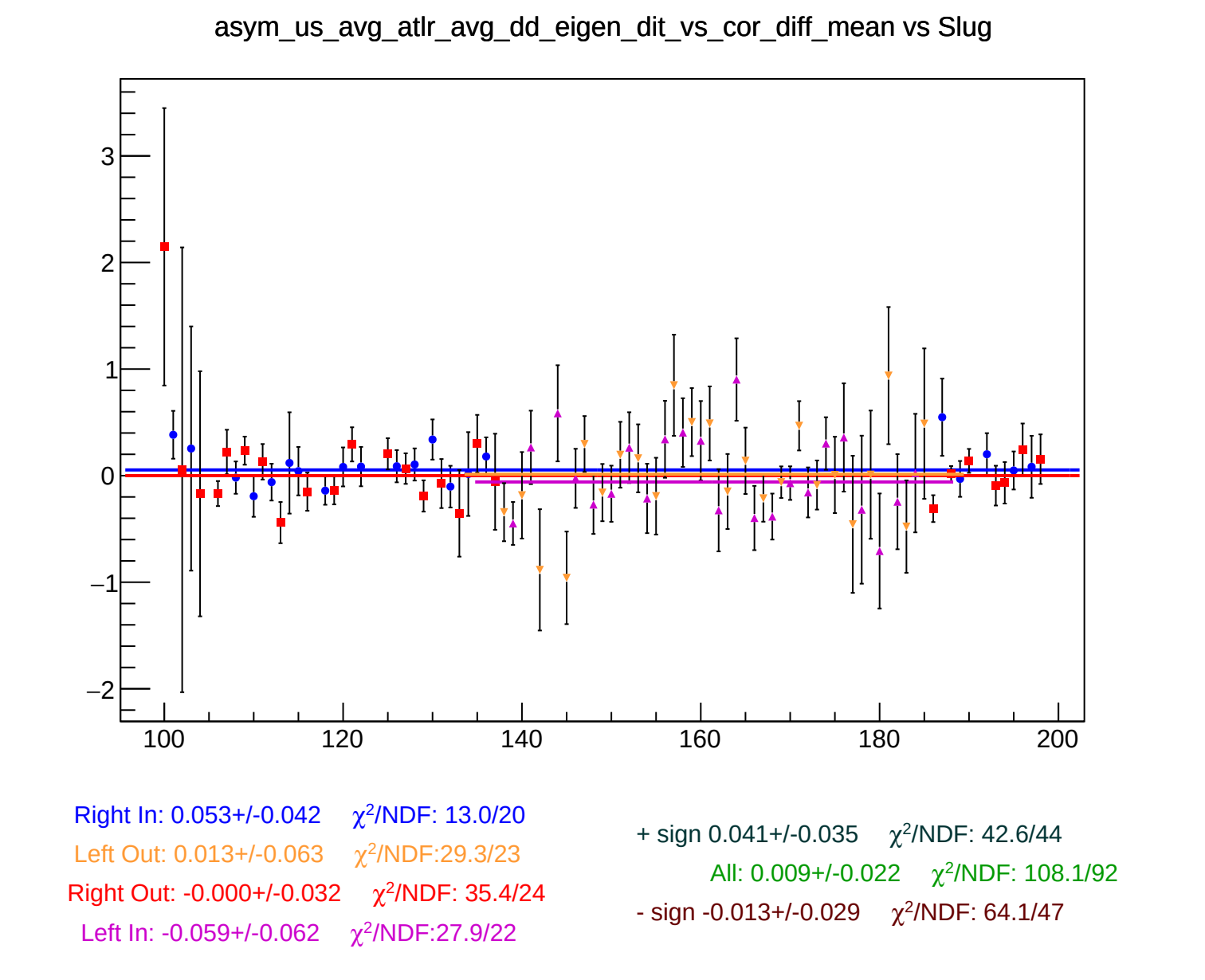
Right In: 0.004+/-0.000 χ²/NDF: 8922887.8/20
Left Out: 0.004+/-0.000 χ²/NDF:8492565.6/23
Right Out: 0.003+/-0.000 χ²/NDF: 11904706.8/24
Left In: 0.004+/-0.000 χ²/NDF:6598609.8/22
+ sign 0.004+/-0.000 χ²/NDF: 17719659.3/44
All: 0.004+/-0.000 χ²/NDF: 36904744.8/92
- sign 0.004+/-0.000 χ²/NDF: 19162117.6/47


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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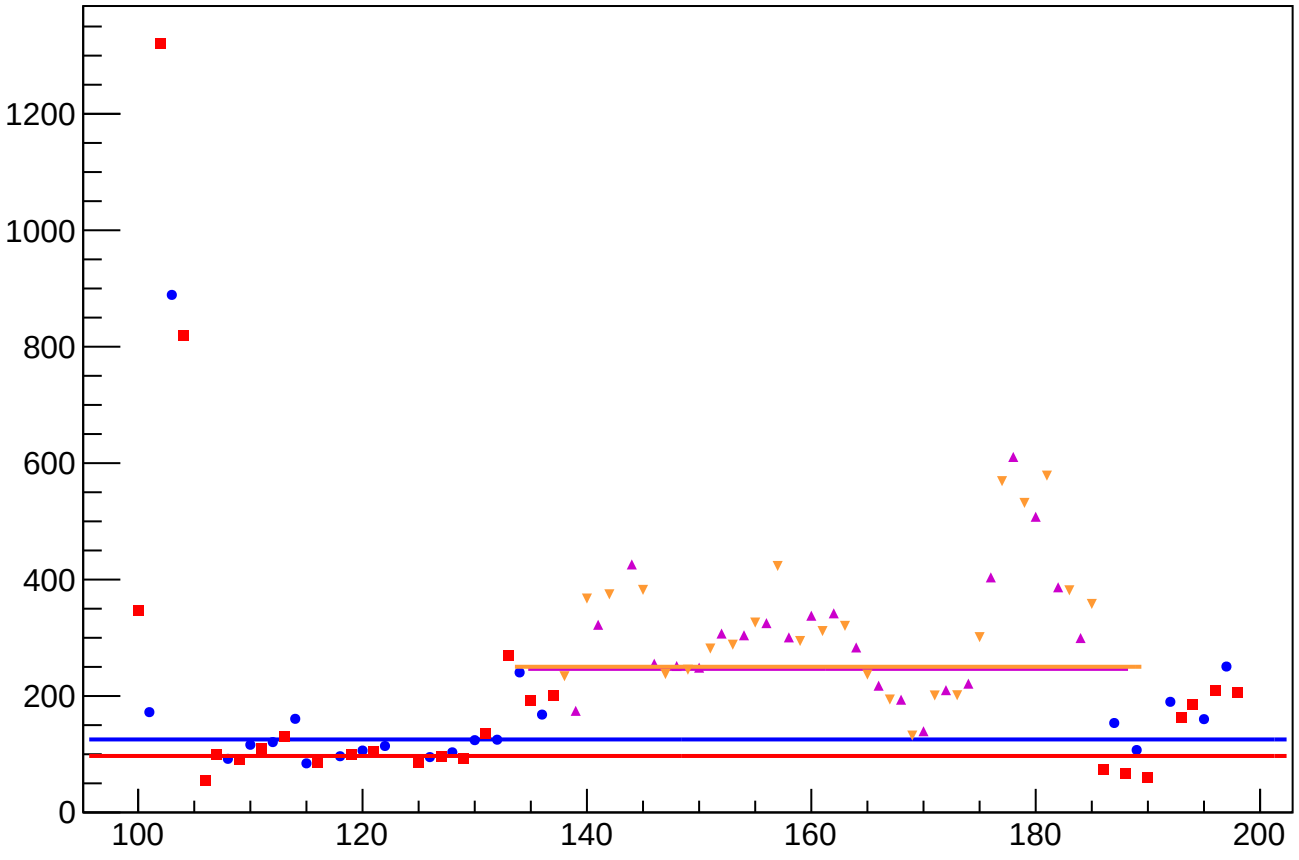
Right In: 0.053+/-0.042 χ²/NDF: 13.0/20
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.000+/-0.032 χ²/NDF: 35.4/24
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.041+/-0.035 χ²/NDF: 42.6/44
All: 0.009+/-0.022 χ²/NDF: 108.1/92
- sign -0.013+/-0.029 χ²/NDF: 64.1/47



Right In: 125.402+/-0.030 χ^2/NDF: 2381798.1/20

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

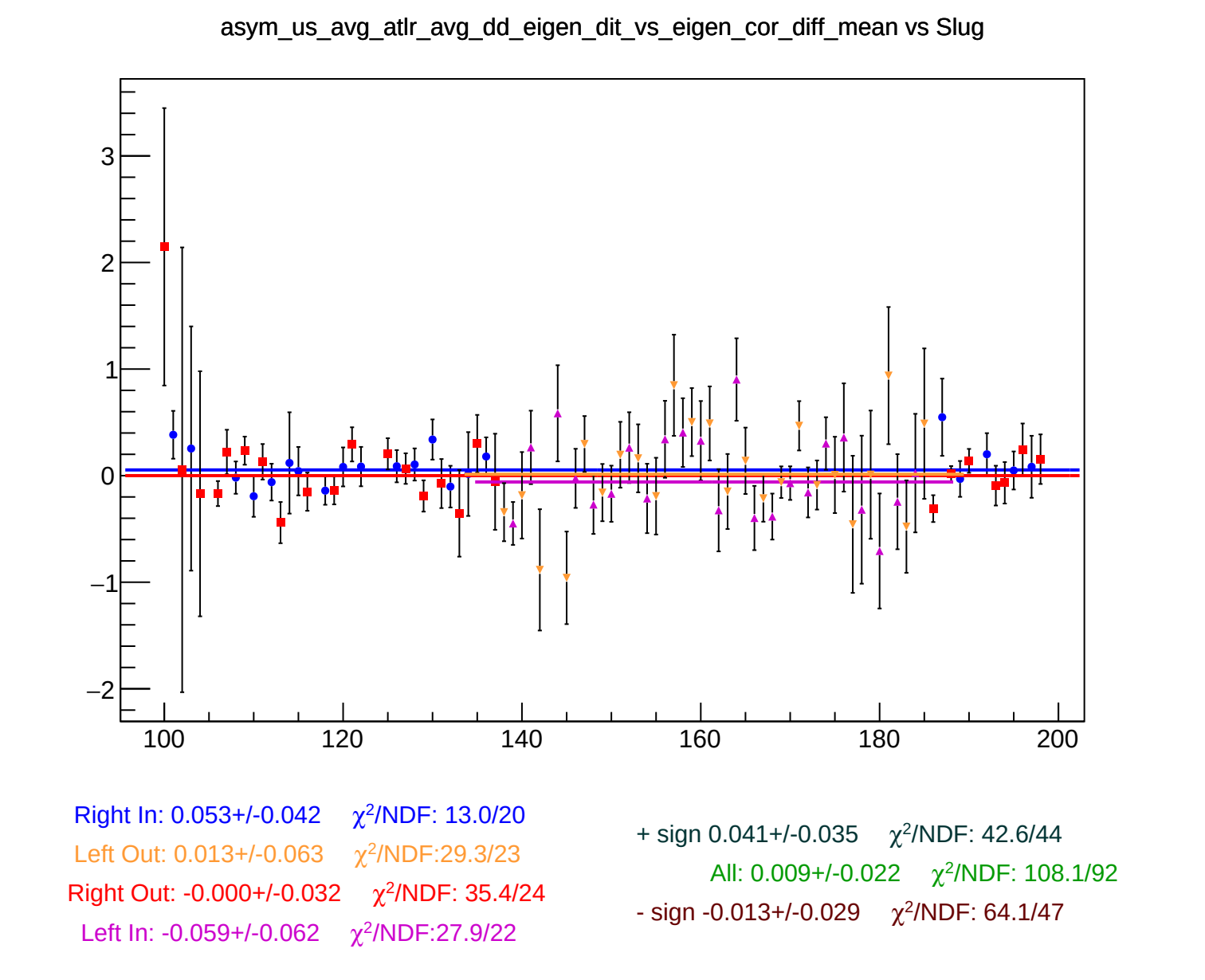
Right Out: 97.022+/-0.023 χ^2/NDF: 4818697.7/24

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 164.347+/-0.025 χ^2/NDF: 12137671.6/44

All: 143.270+/-0.016 χ^2/NDF: 31064162.0/92

- sign 129.195+/-0.020 χ^2/NDF: 17729945.4/47


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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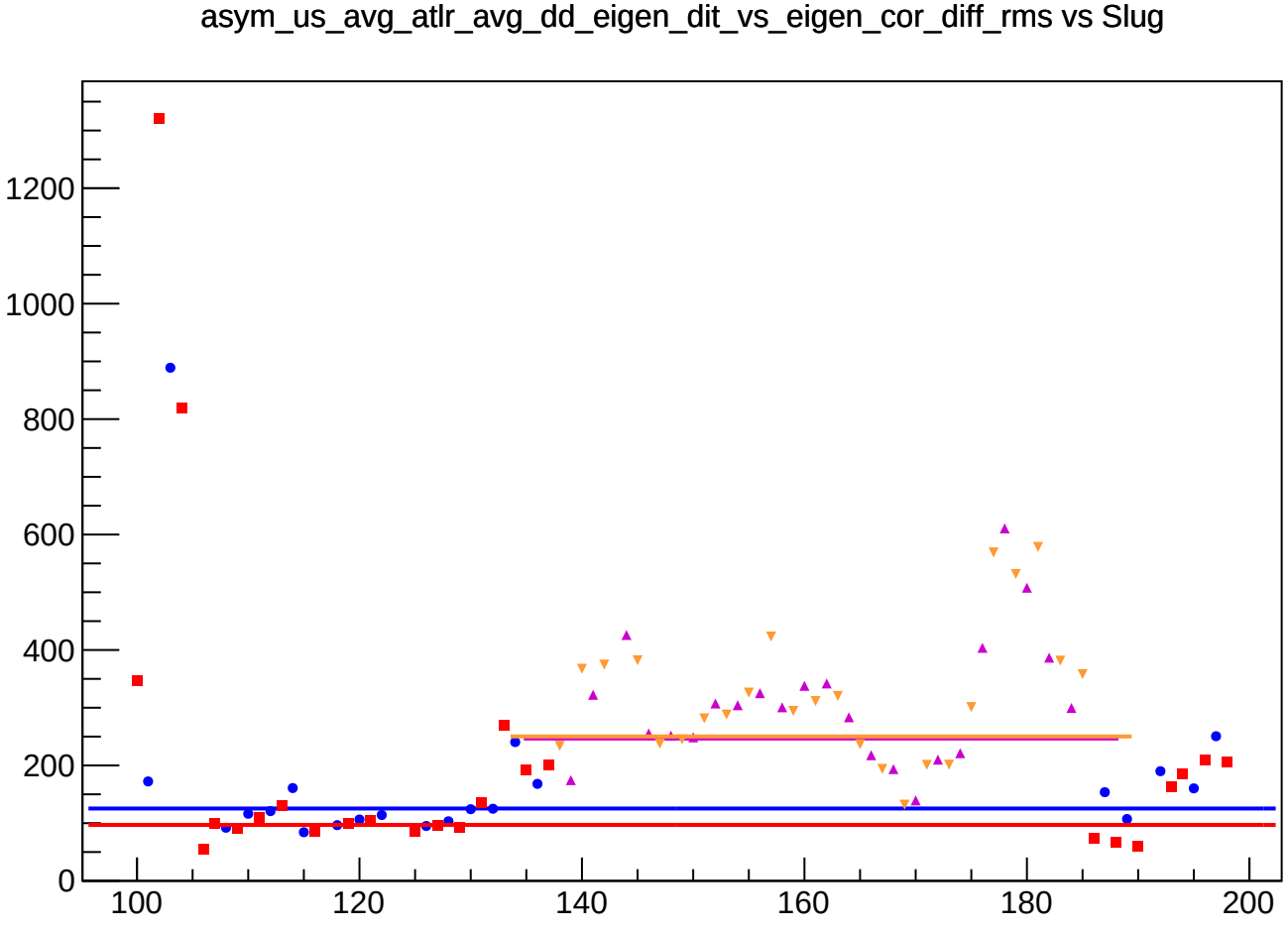
Right In: 0.053+/-0.042 χ²/NDF: 13.0/20
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.000+/-0.032 χ²/NDF: 35.4/24
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.041+/-0.035 χ²/NDF: 42.6/44
All: 0.009+/-0.022 χ²/NDF: 108.1/92
- sign -0.013+/-0.029 χ²/NDF: 64.1/47



Right In: 125.402+/-0.030 χ^2/NDF: 2381798.1/20

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

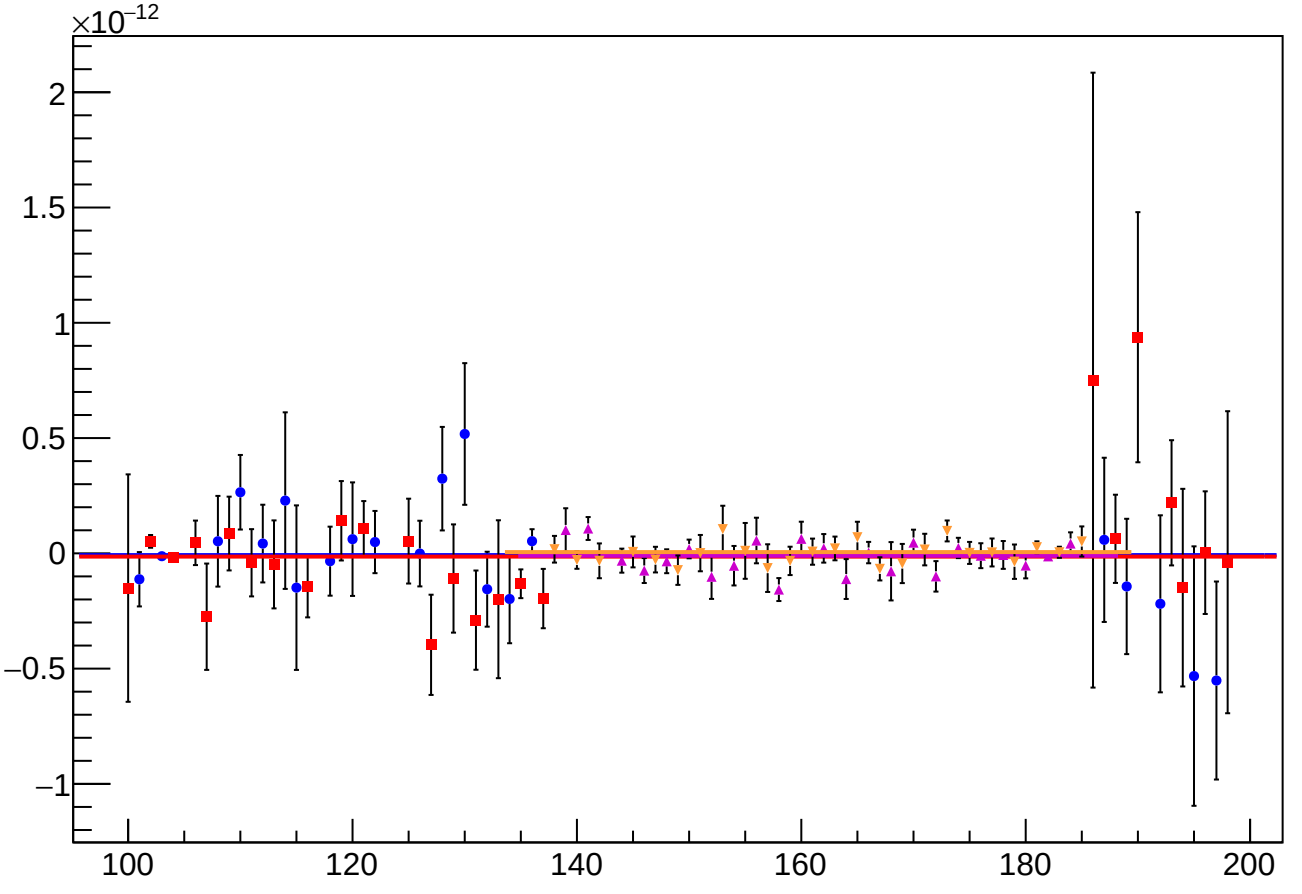
Right Out: 97.022+/-0.023 χ^2/NDF: 4818697.7/24

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 164.347+/-0.025 χ^2/NDF: 12137671.6/44

All: 143.270+/-0.016 χ^2/NDF: 31064162.0/92

- sign 129.195+/-0.020 χ^2/NDF: 17729945.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

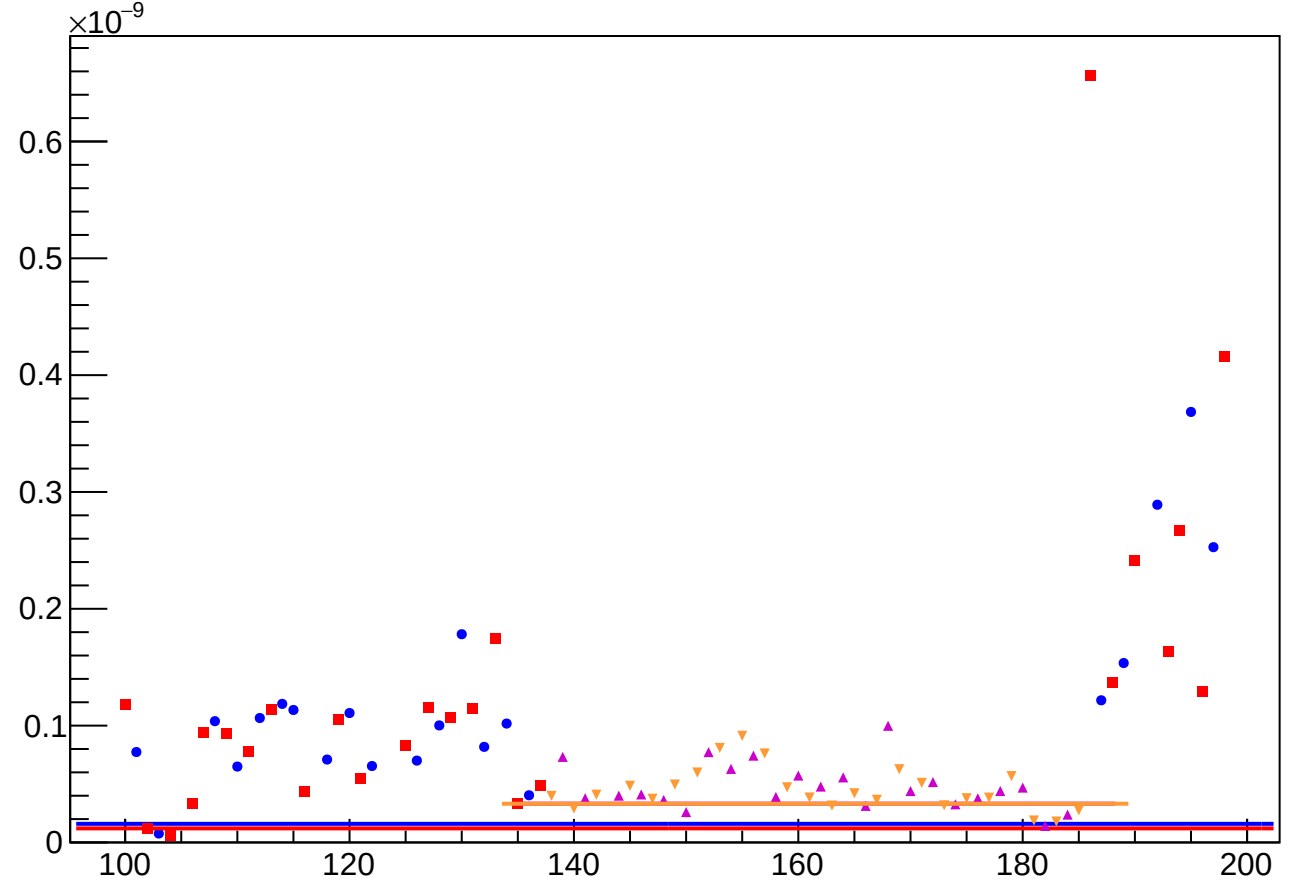
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/24

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/44

All: -0.000+/-0.000 χ^2/NDF: 86.2/92

- sign -0.000+/-0.000 χ^2/NDF: 54.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 8928351.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10042341.4/24

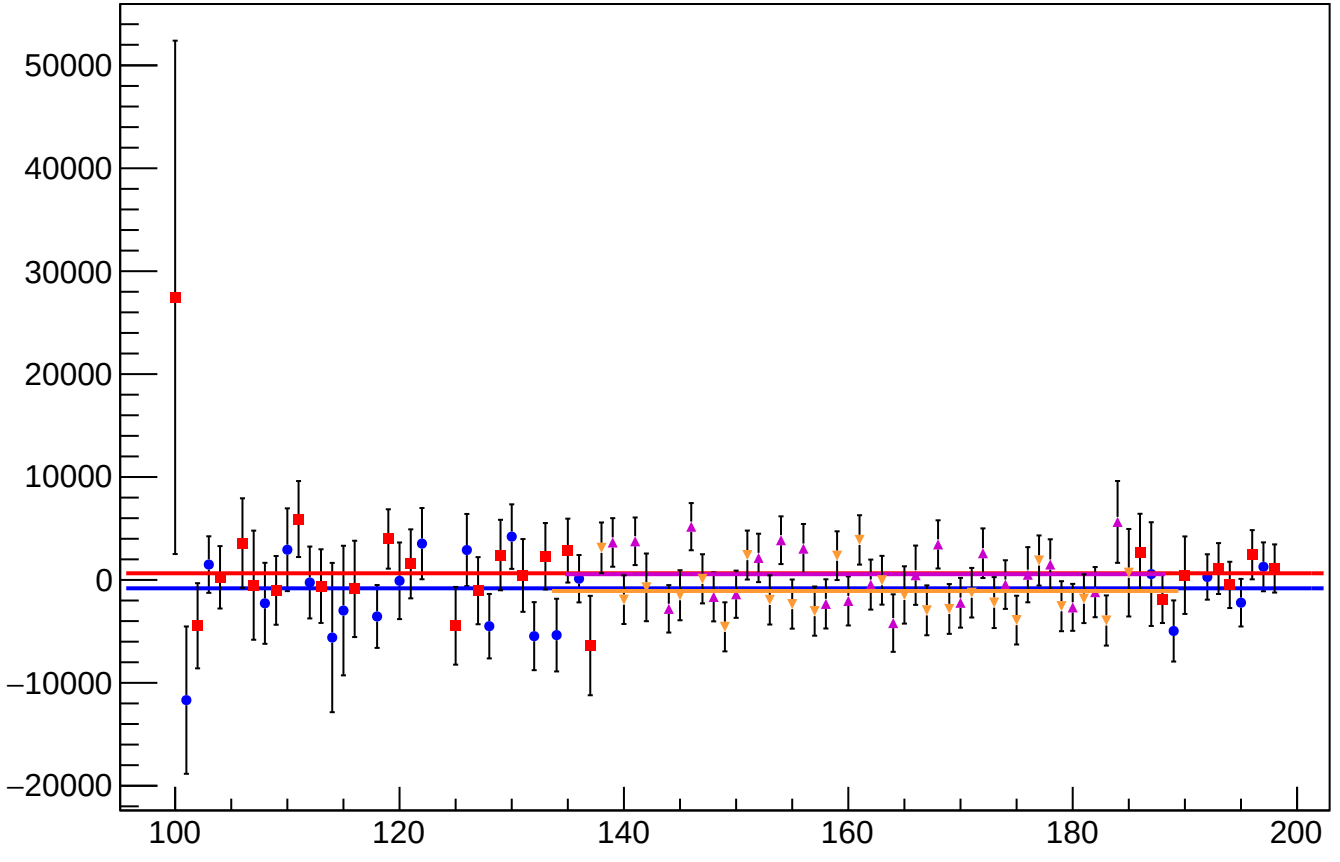
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15196643.6/44

All: 0.000+/-0.000 χ^2/NDF: 34883093.5/92

- sign 0.000+/-0.000 χ^2/NDF: 19404176.0/47

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -814.395+/-700.847 χ^2/NDF: 19.3/20

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 645.944+/-649.530 χ^2/NDF: 14.7/24

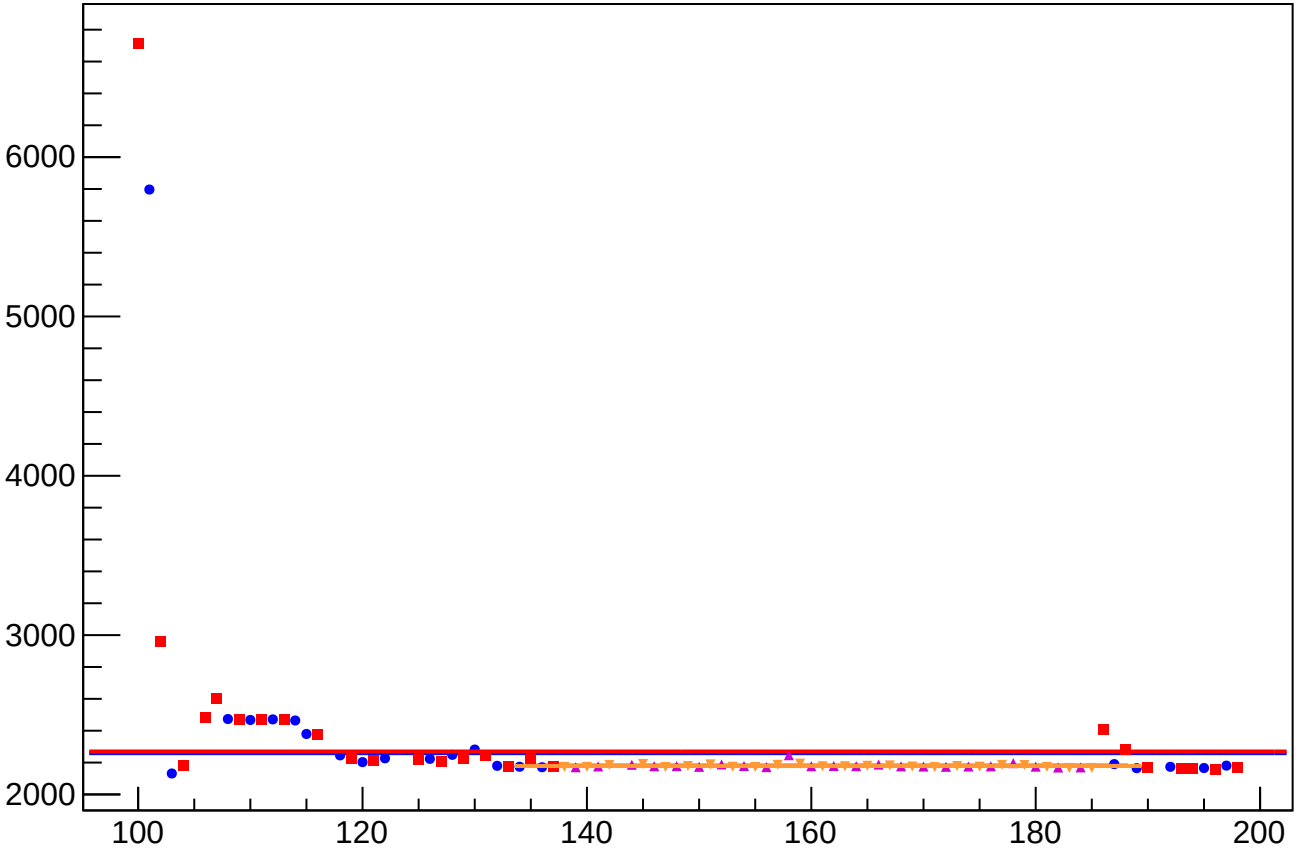
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -984.406+/-410.002 χ^2/NDF: 40.9/44

All: -178.765+/-286.585 χ^2/NDF: 91.9/92

- sign 590.889+/-400.740 χ^2/NDF: 43.4/47

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2259.149+/-0.496 χ^2/NDF: 530917.9/20

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

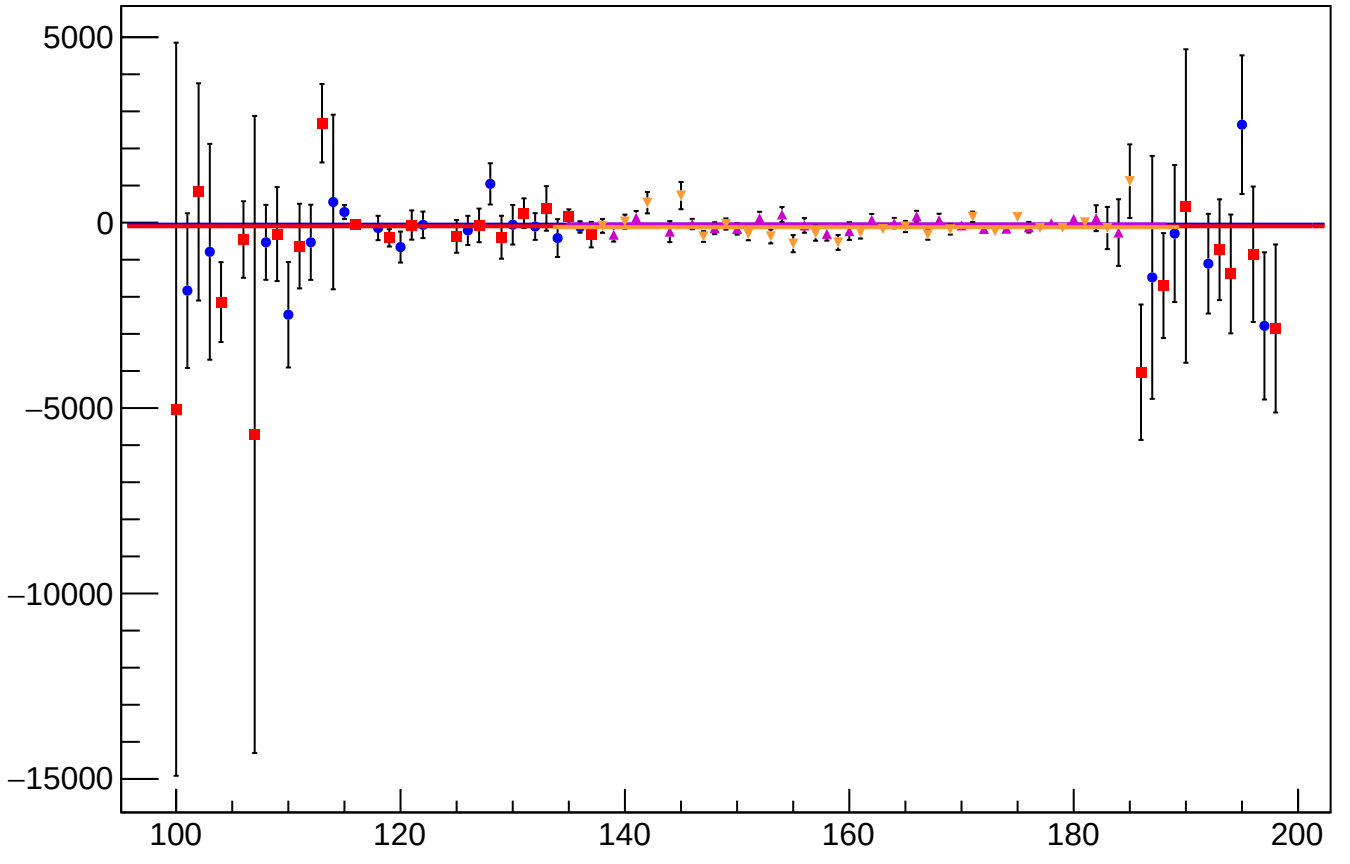
Right Out: 2269.577+/-0.459 χ^2/NDF: 179584.1/24

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2205.933+/-0.290 χ^2/NDF: 548837.9/44

All: 2210.400+/-0.203 χ^2/NDF: 753831.0/92

- sign 2214.667+/-0.283 χ^2/NDF: 204528.9/47



Right In: -53.779+/-90.363 χ^2/NDF: 19.2/20

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -98.338+/-81.753 χ^2/NDF: 26.2/24

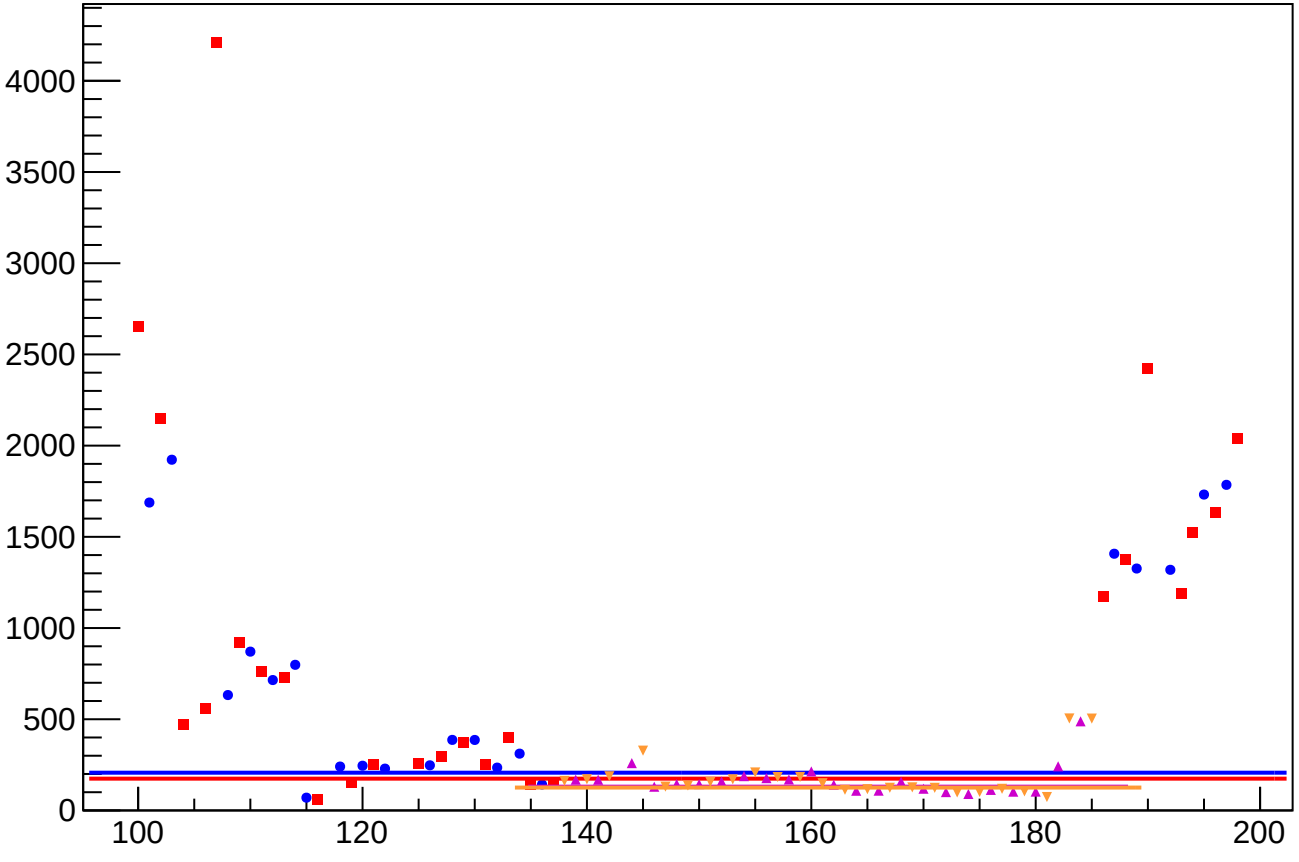
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.546+/-29.667 χ^2/NDF: 63.5/44

All: -86.774+/-21.176 χ^2/NDF: 110.1/92

- sign -56.886+/-30.237 χ^2/NDF: 44.7/47

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 207.019+/-0.064 χ^2/NDF: 10090336.1/20

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 174.367+/-0.058 χ^2/NDF: 14037699.3/24

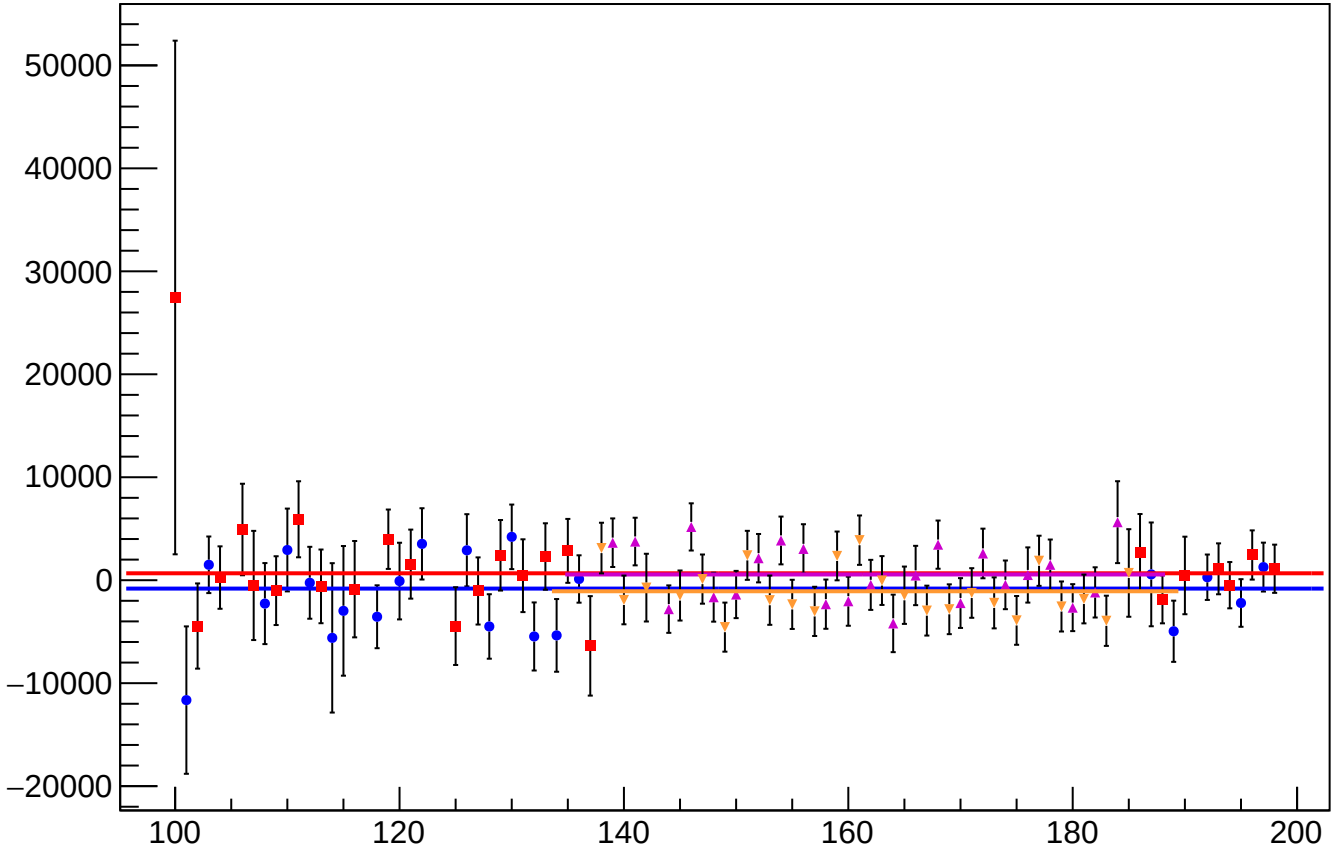
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 134.292+/-0.021 χ^2/NDF: 15485089.1/44

All: 135.349+/-0.015 χ^2/NDF: 32706160.8/92

- sign 136.446+/-0.021 χ^2/NDF: 17215903.1/47

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -813.791+/-700.847 χ^2/NDF: 19.3/20

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 672.127+/-649.831 χ^2/NDF: 15.2/24

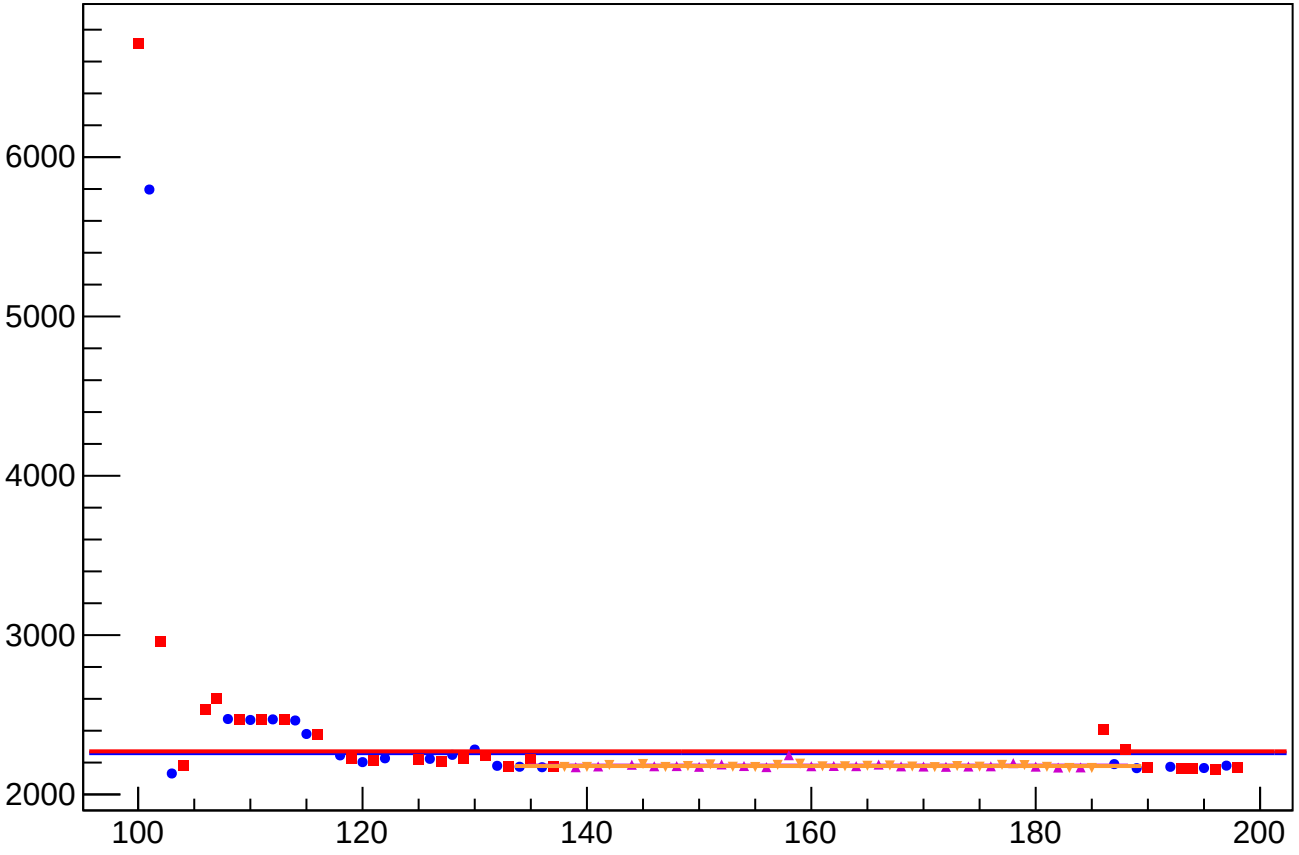
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -984.154+/-410.002 χ^2/NDF: 40.9/44

All: -173.689+/-286.610 χ^2/NDF: 92.5/92

- sign 600.847+/-400.811 χ^2/NDF: 43.9/47

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2259.149+/-0.496 χ^2/NDF: 530918.2/20

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

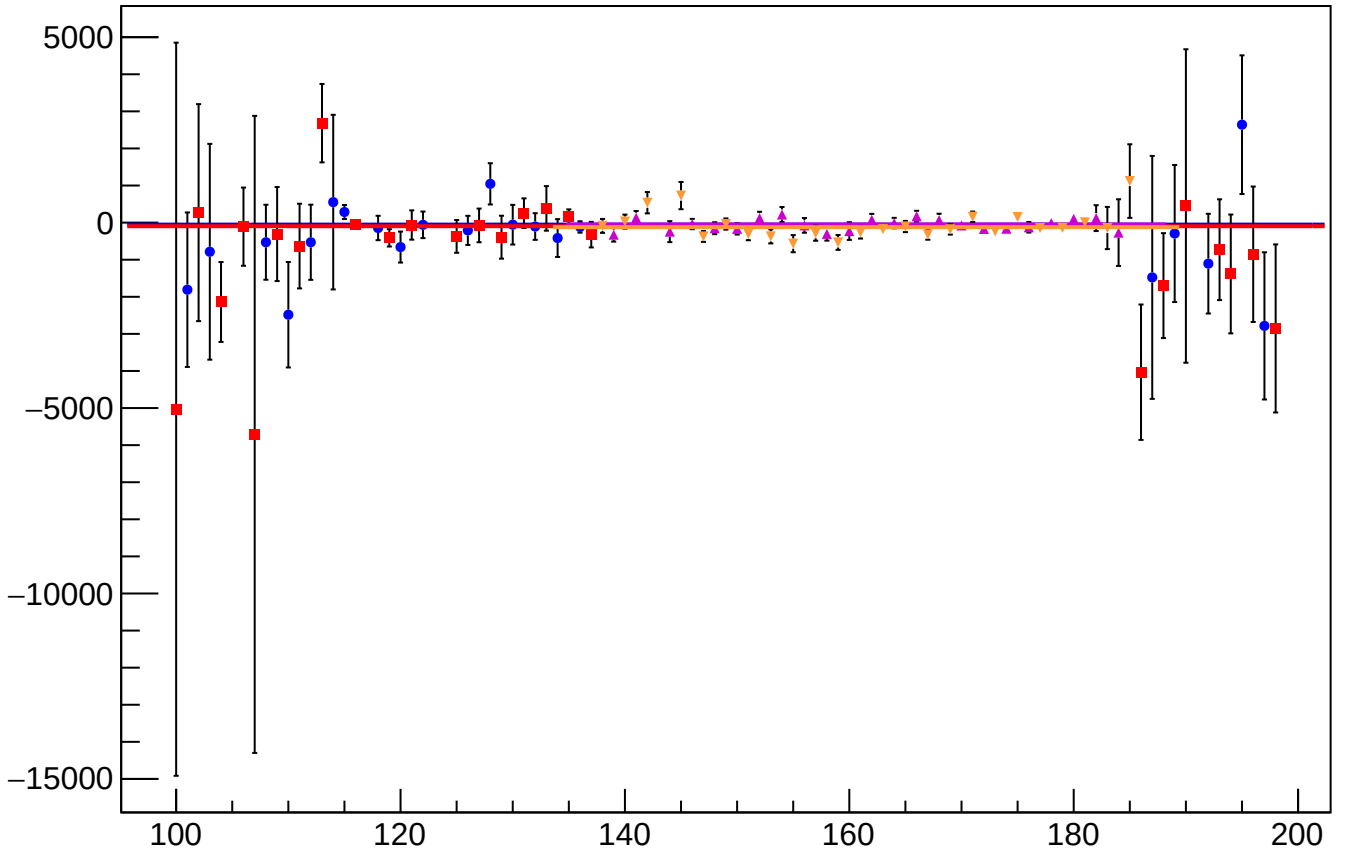
Right Out: 2270.463+/-0.459 χ^2/NDF: 181840.2/24

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2205.933+/-0.290 χ^2/NDF: 548838.2/44

All: 2210.561+/-0.203 χ^2/NDF: 756571.8/92

- sign 2214.985+/-0.283 χ^2/NDF: 207235.1/47



Right In: -53.812+/-90.369 χ^2/NDF: 19.2/20

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

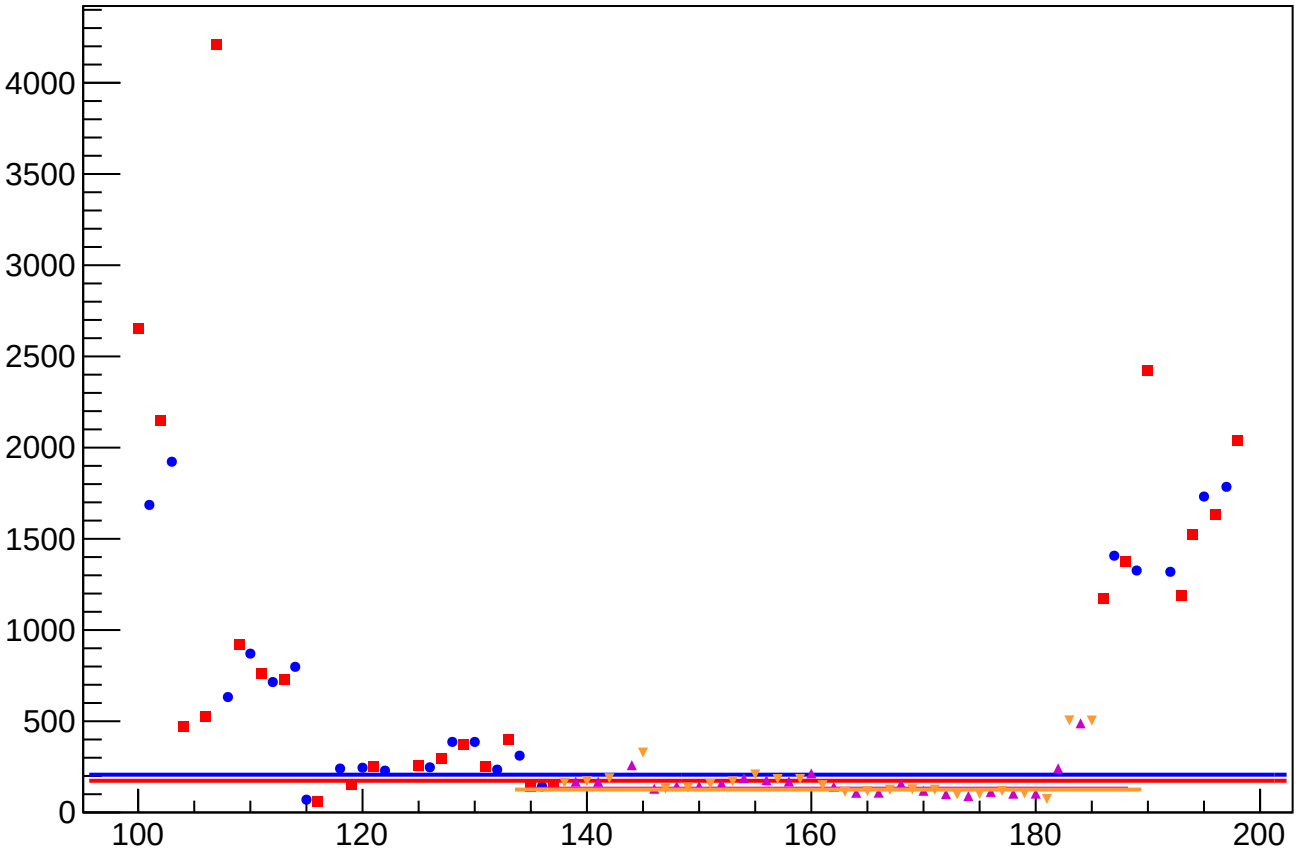
Right Out: -96.333+/-81.693 χ^2/NDF: 26.0/24

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.479+/-29.667 χ^2/NDF: 63.5/44

All: -86.564+/-21.176 χ^2/NDF: 109.9/92

- sign -56.528+/-30.237 χ^2/NDF: 44.5/47



Right In: 207.045+/-0.064 χ^2/NDF: 10089022.7/20

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 173.791+/-0.058 χ^2/NDF: 13998653.4/24

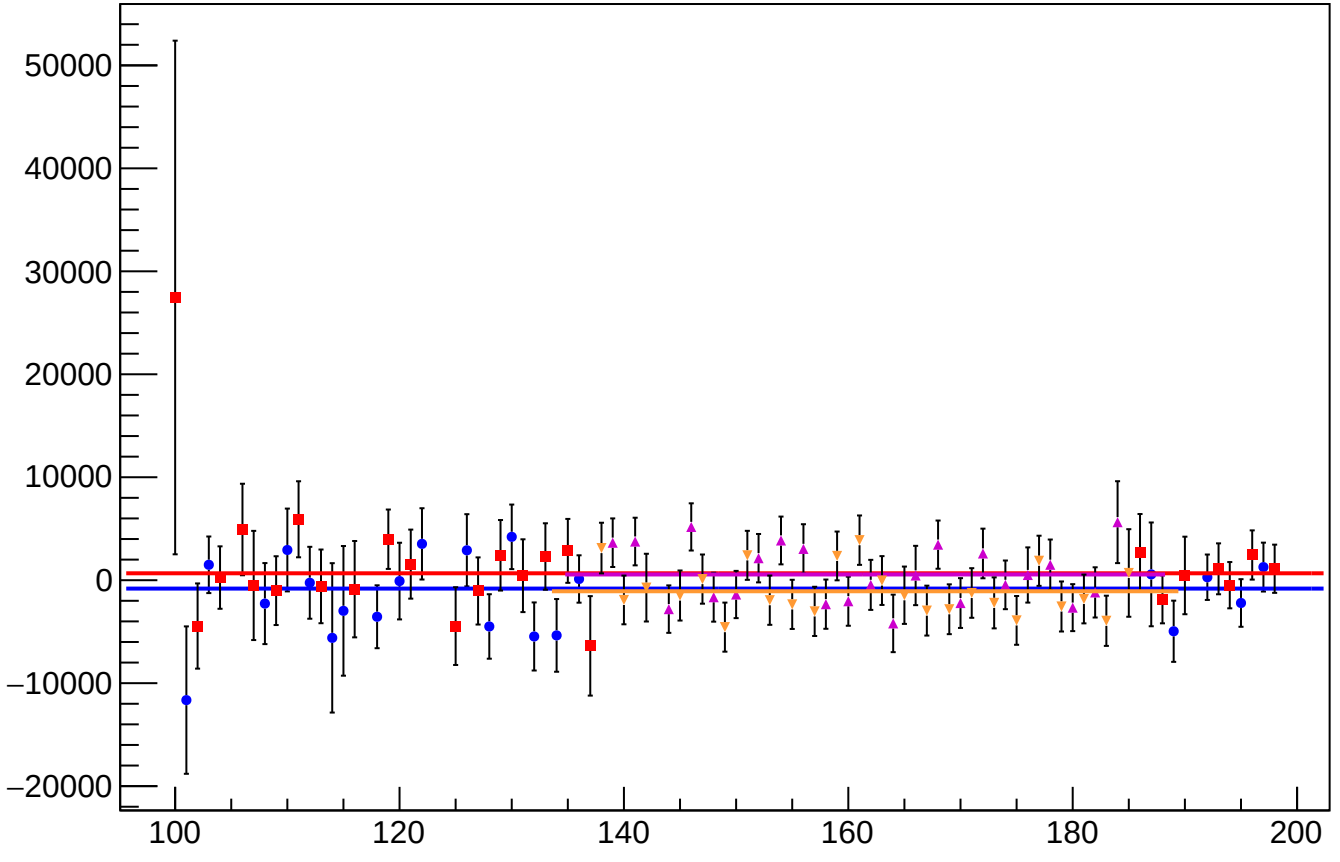
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 134.291+/-0.021 χ^2/NDF: 15485499.4/44

All: 135.320+/-0.015 χ^2/NDF: 32654221.5/92

- sign 136.388+/-0.021 χ^2/NDF: 17163818.5/47

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -813.791+/-700.847 χ^2/NDF: 19.3/20

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

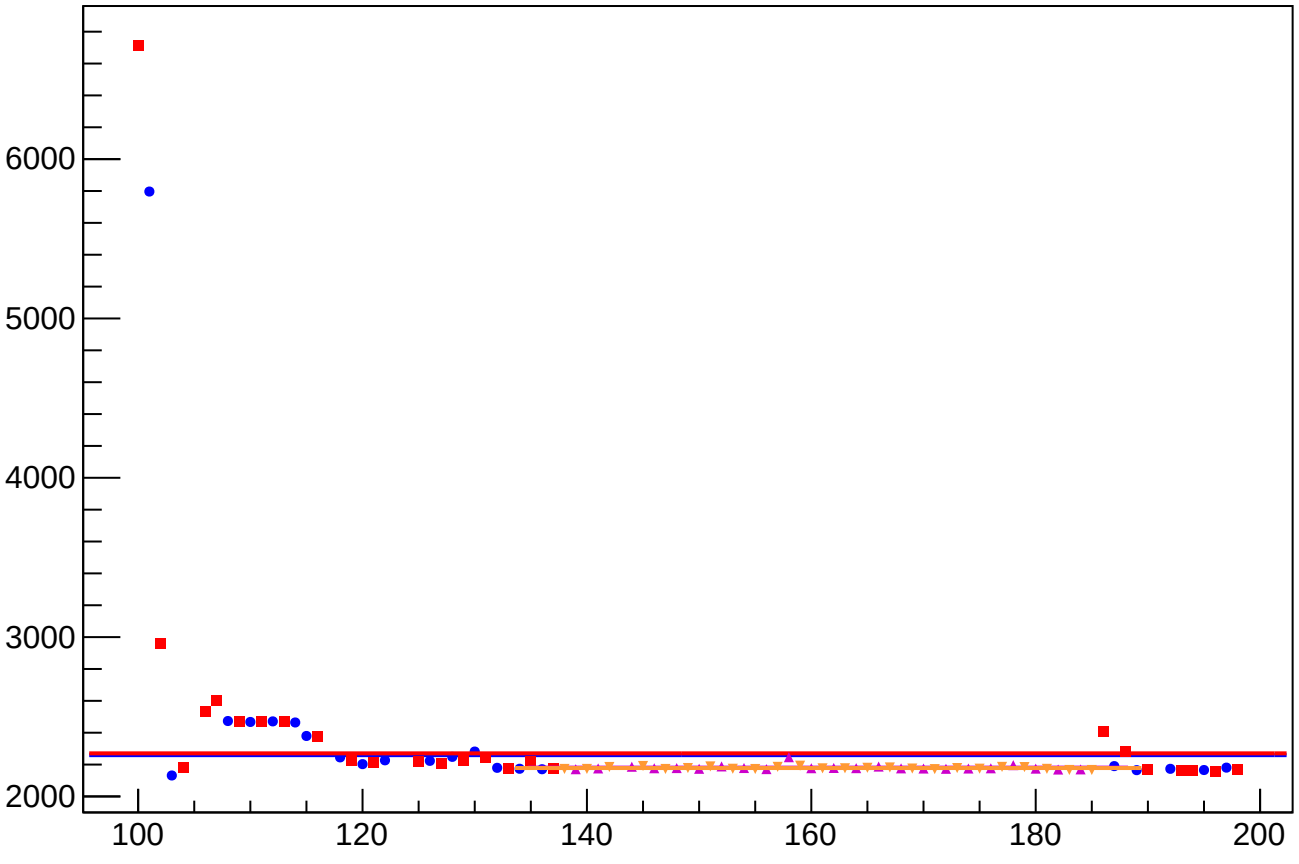
Right Out: 672.127+/-649.831 χ^2/NDF: 15.2/24

Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -984.154+/-410.002 χ^2/NDF: 40.9/44

All: -173.689+/-286.610 χ^2/NDF: 92.5/92

- sign 600.847+/-400.811 χ^2/NDF: 43.9/47



Right In: 2259.149+/-0.496 χ^2/NDF: 530918.2/20

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

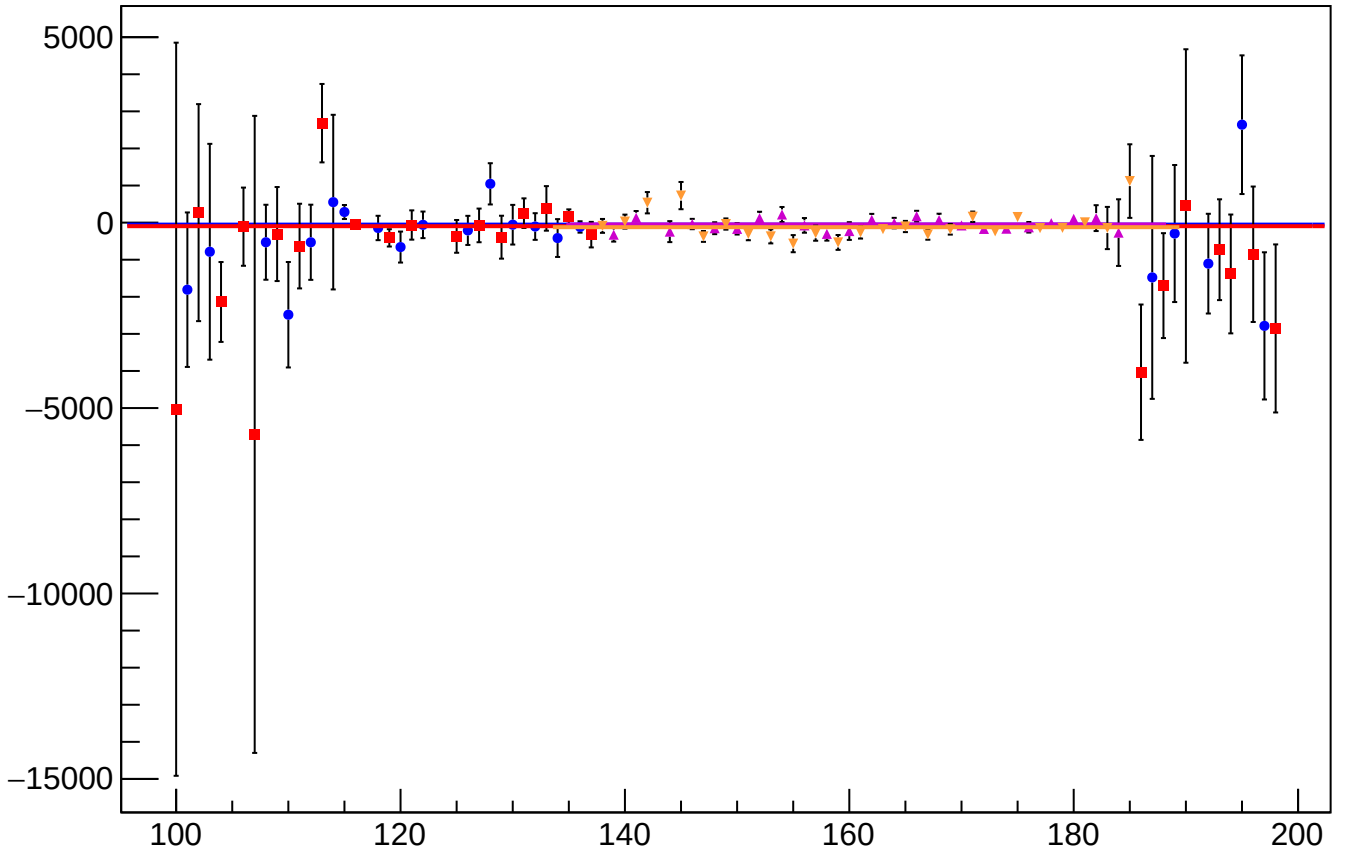
Right Out: 2270.463+/-0.459 χ^2/NDF: 181840.2/24

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2205.933+/-0.290 χ^2/NDF: 548838.2/44

All: 2210.561+/-0.203 χ^2/NDF: 756571.8/92

- sign 2214.985+/-0.283 χ^2/NDF: 207235.1/47



Right In: -53.812+/-90.369 χ^2/NDF: 19.2/20

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

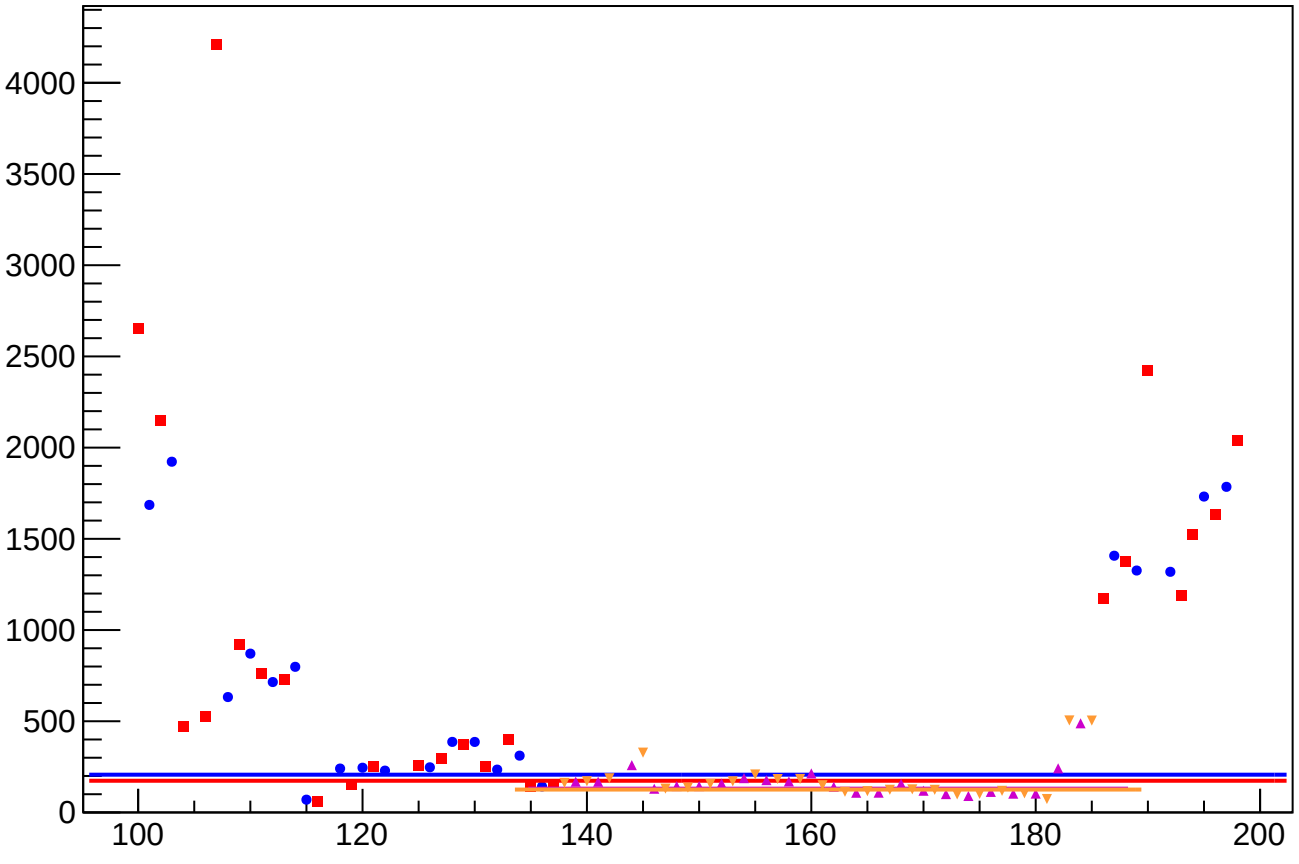
Right Out: -96.333+/-81.693 χ^2/NDF: 26.0/24

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.479+/-29.667 χ^2/NDF: 63.5/44

All: -86.564+/-21.176 χ^2/NDF: 109.9/92

- sign -56.528+/-30.237 χ^2/NDF: 44.5/47



Right In: 207.045+/-0.064 χ^2/NDF: 10089022.7/20

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 173.791+/-0.058 χ^2/NDF: 13998653.4/24

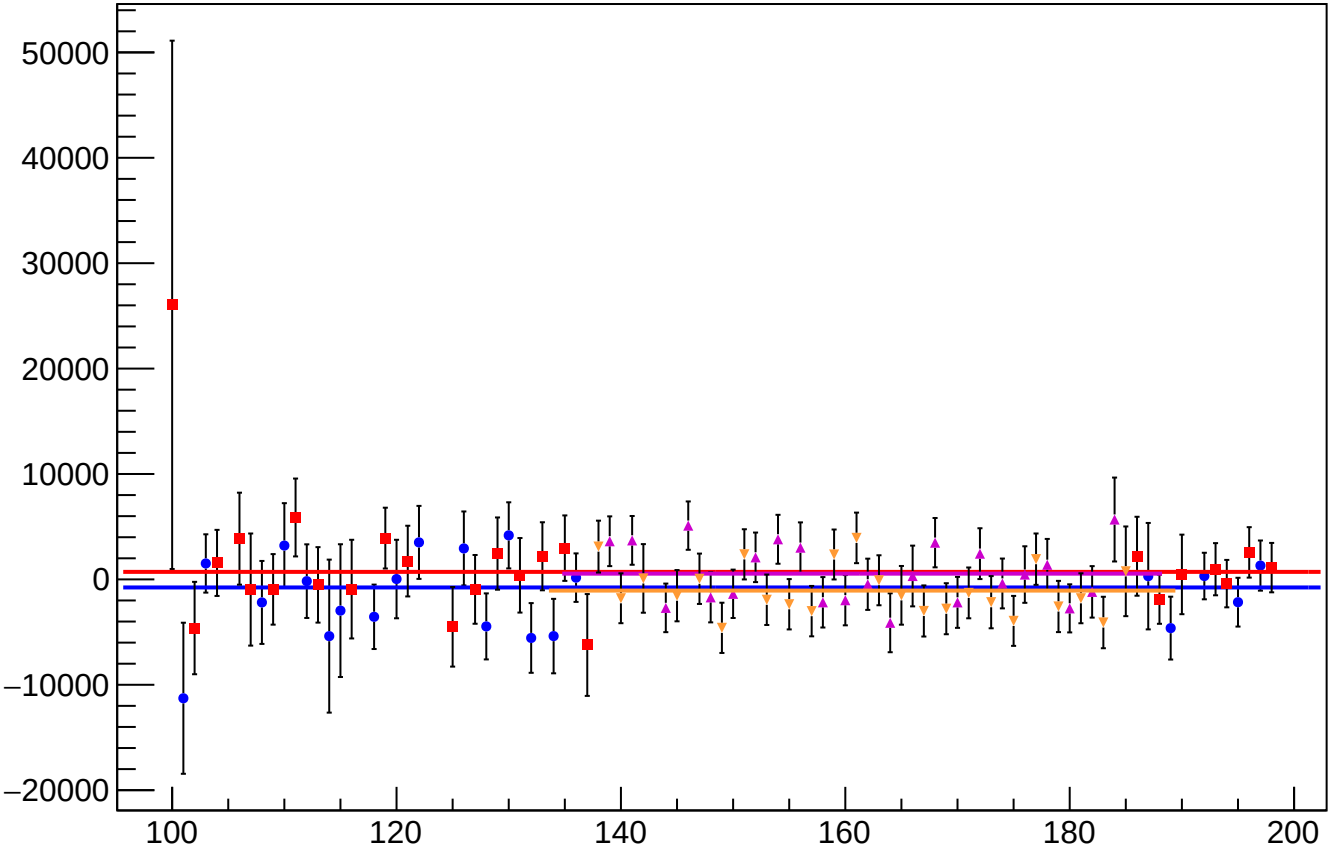
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 134.291+/-0.021 χ^2/NDF: 15485499.4/44

All: 135.320+/-0.015 χ^2/NDF: 32654221.5/92

- sign 136.388+/-0.021 χ^2/NDF: 17163818.5/47

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -765.610+/-701.747 χ^2/NDF: 18.9/20

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 712.560+/-651.934 χ^2/NDF: 14.5/24

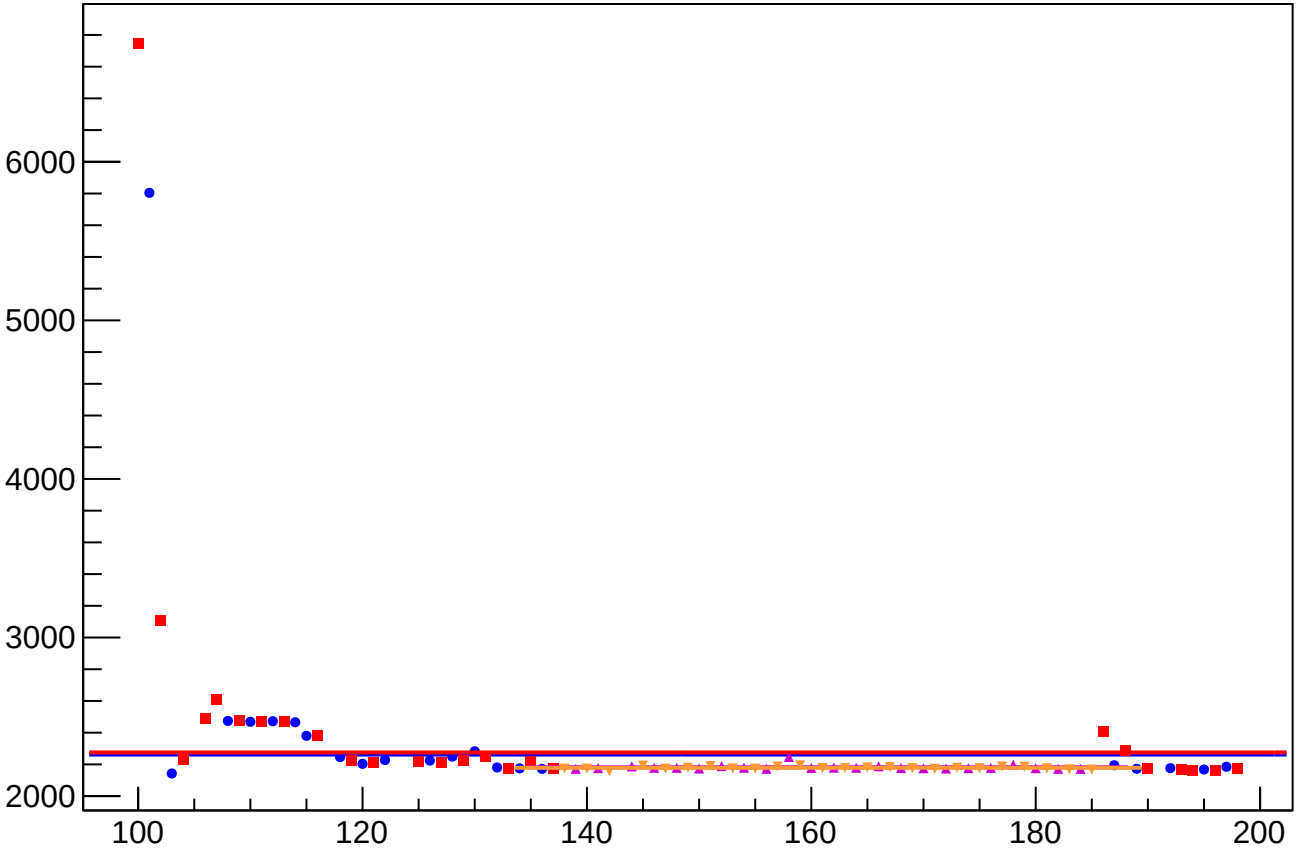
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -960.956+/-410.231 χ^2/NDF: 40.9/44

All: -159.401+/-286.909 χ^2/NDF: 90.8/92

- sign 608.066+/-401.413 χ^2/NDF: 42.4/47

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2261.910+/-0.496 χ^2/NDF: 530029.2/20

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

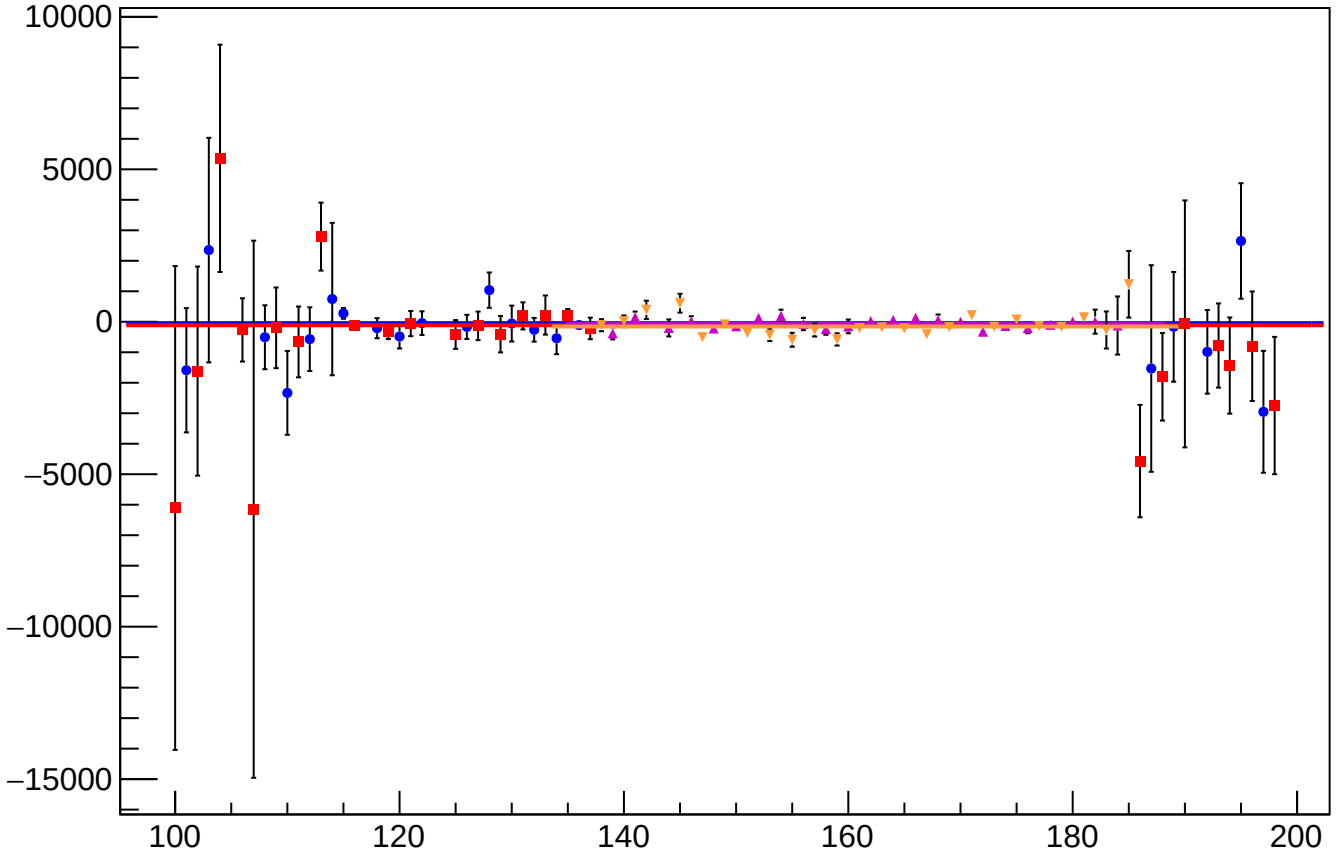
Right Out: 2275.402+/-0.461 χ^2/NDF: 196847.4/24

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2207.007+/-0.290 χ^2/NDF: 549083.5/44

All: 2212.284+/-0.203 χ^2/NDF: 773970.0/92

- sign 2217.338+/-0.284 χ^2/NDF: 224238.5/47



Right In: -45.612+/-91.840 χ^2/NDF: 18.9/20

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -114.086+/-85.372 χ^2/NDF: 24.7/24

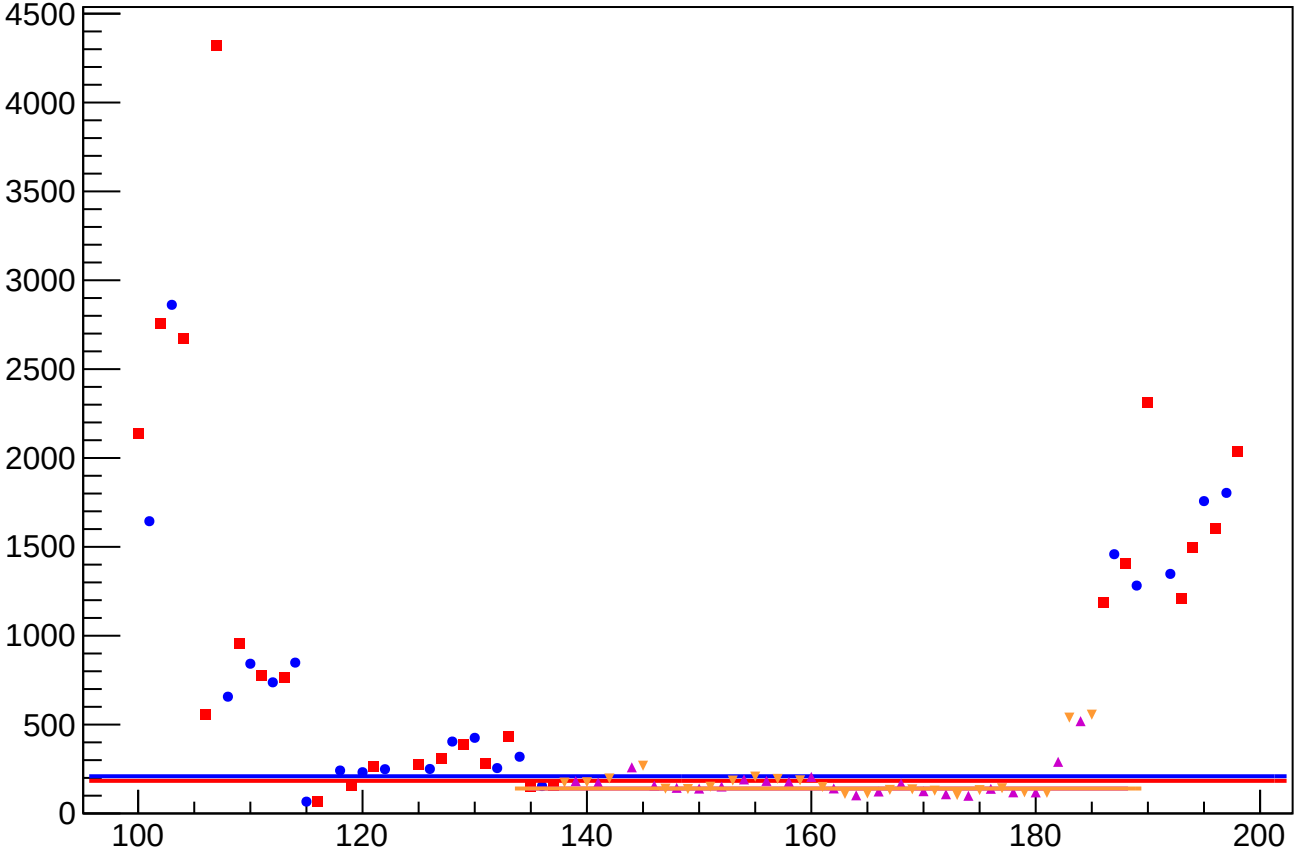
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.532+/-31.935 χ^2/NDF: 67.4/44

All: -108.687+/-22.516 χ^2/NDF: 113.4/92

- sign -76.220+/-31.751 χ^2/NDF: 43.9/47

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 209.277+/-0.065 χ^2/NDF: 10648502.6/20

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 183.511+/-0.060 χ^2/NDF: 14874028.6/24

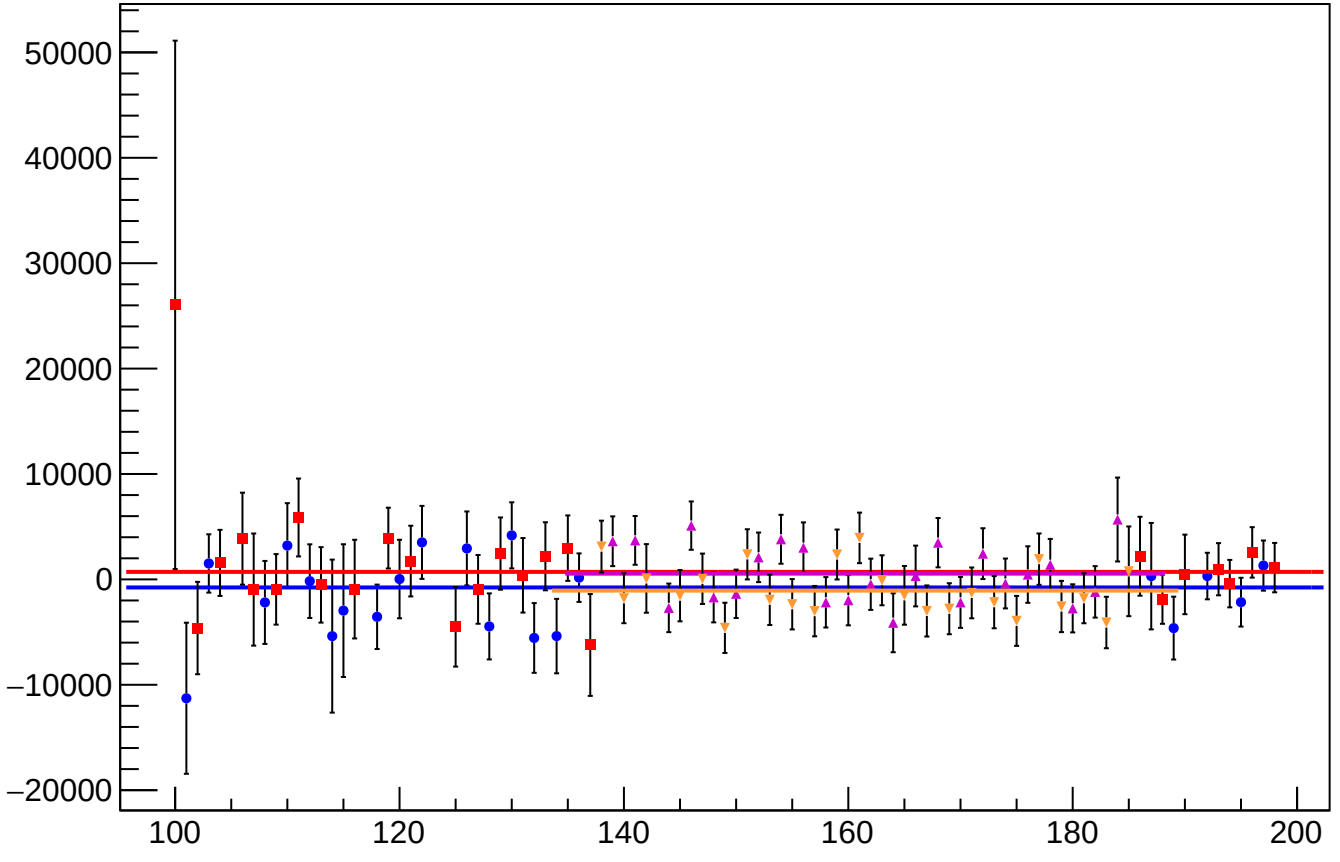
Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 148.657+/-0.023 χ^2/NDF: 14400014.6/44

All: 147.321+/-0.016 χ^2/NDF: 32141567.9/92

- sign 146.000+/-0.022 χ^2/NDF: 17734592.7/47

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -765.610+/-701.747 χ^2/NDF: 18.9/20

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 712.559+/-651.934 χ^2/NDF: 14.5/24

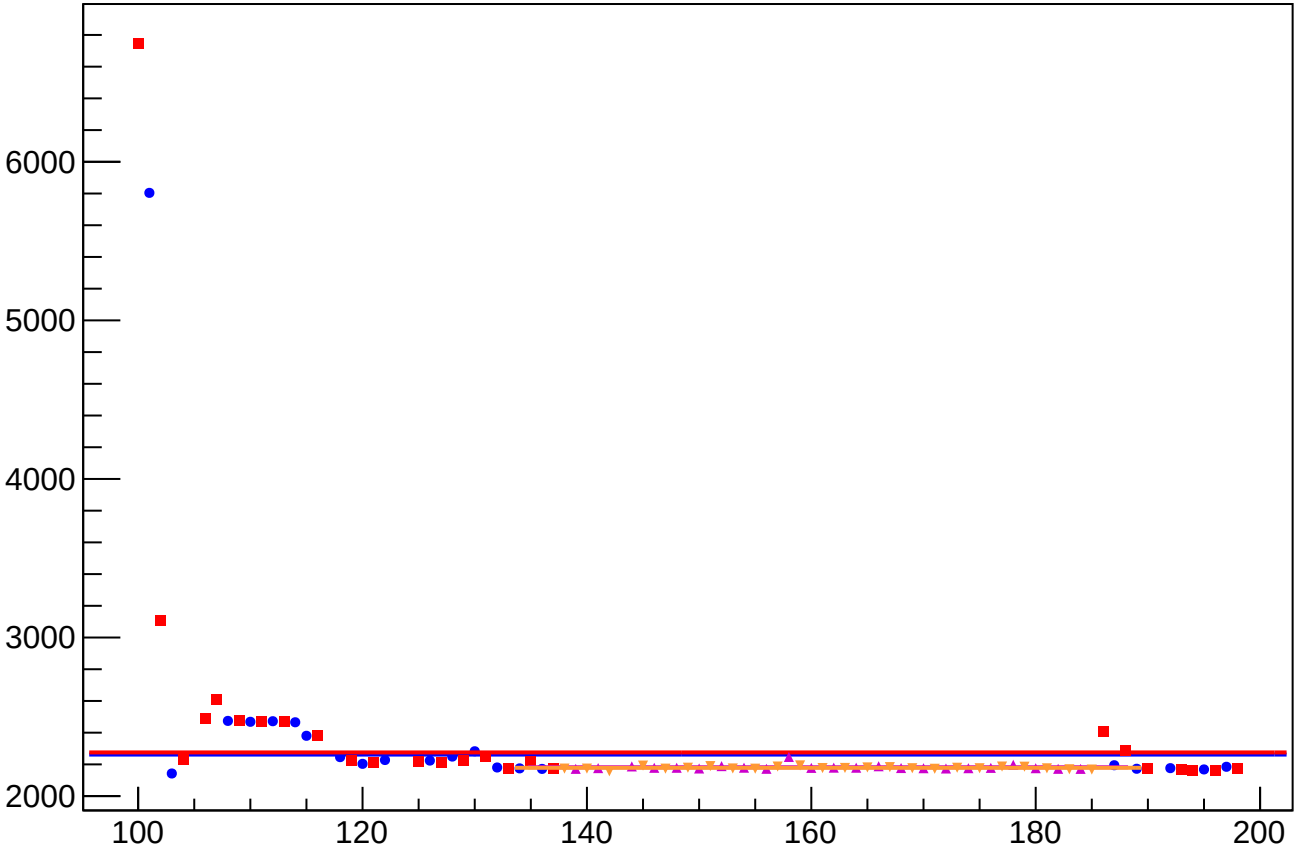
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

\+ sign -960.957+/-410.231 χ^2/NDF: 40.9/44

All: -159.401+/-286.909 χ^2/NDF: 90.8/92

\- sign 608.065+/-401.413 χ^2/NDF: 42.4/47

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2261.910+/-0.496 χ^2/NDF: 530029.2/20

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

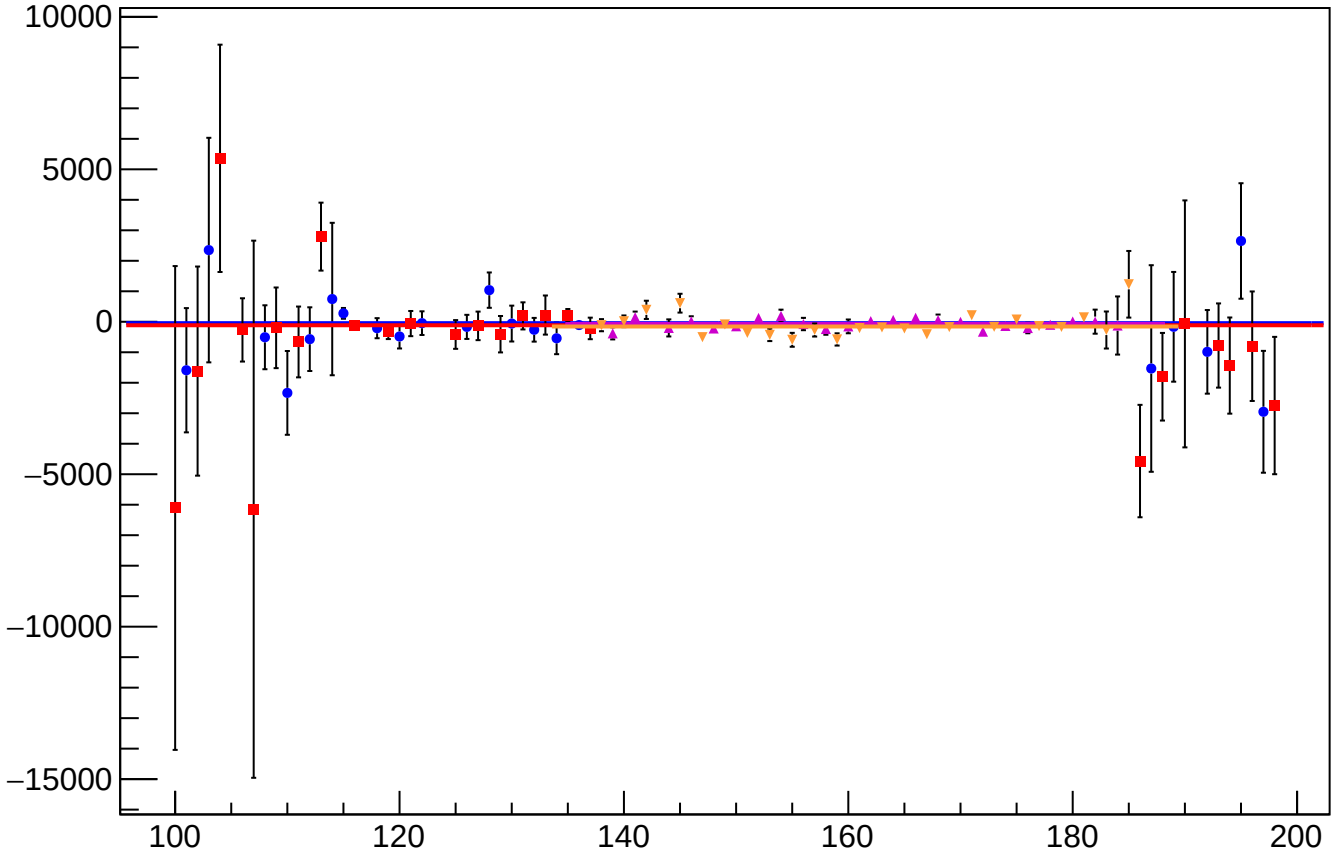
Right Out: 2275.402+/-0.461 χ^2/NDF: 196847.3/24

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2207.007+/-0.290 χ^2/NDF: 549083.6/44

All: 2212.284+/-0.203 χ^2/NDF: 773969.9/92

- sign 2217.338+/-0.284 χ^2/NDF: 224238.4/47



Right In: -45.609+/-91.839 χ^2/NDF: 18.9/20

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

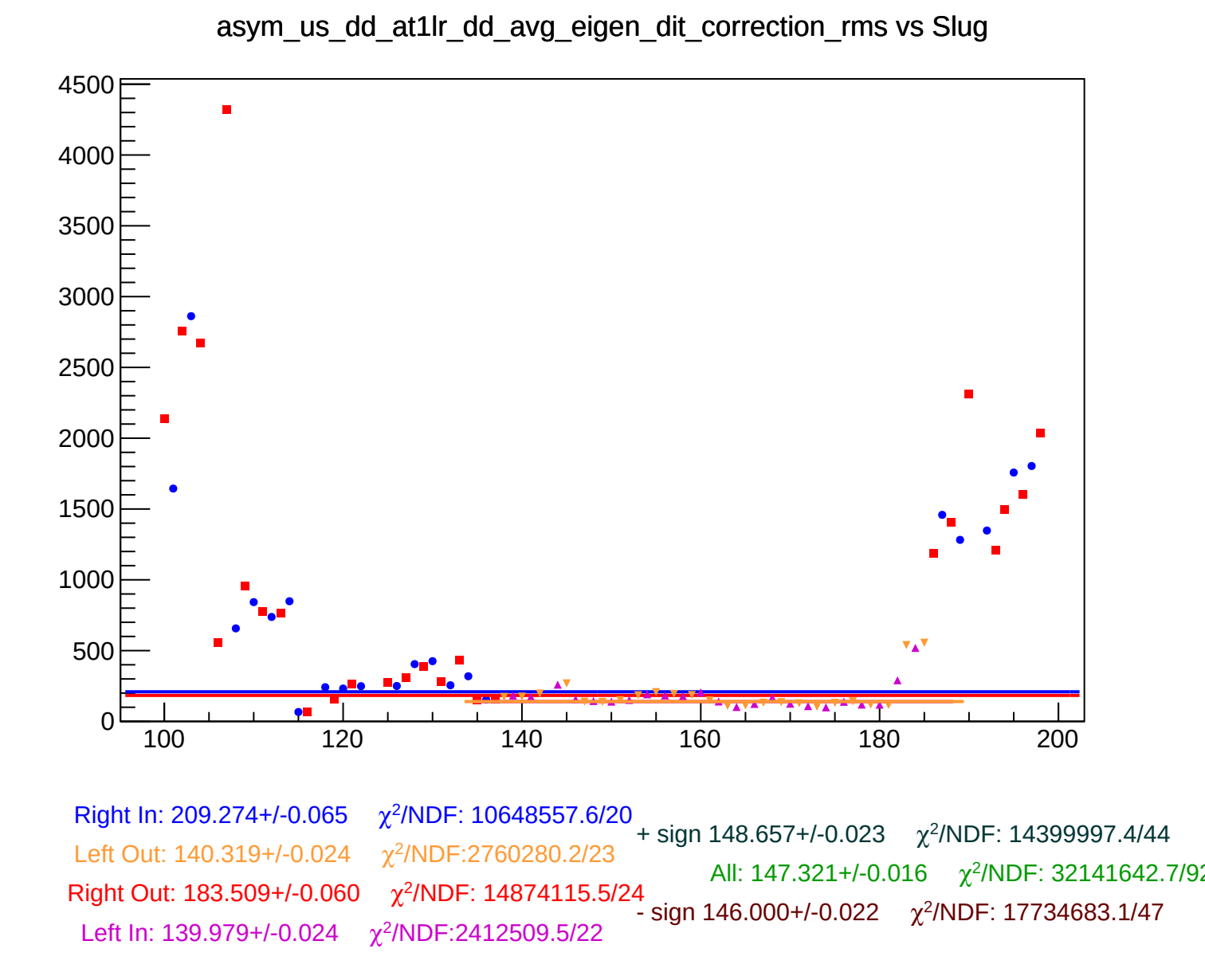
Right Out: -114.086+/-85.371 χ^2/NDF: 24.7/24

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

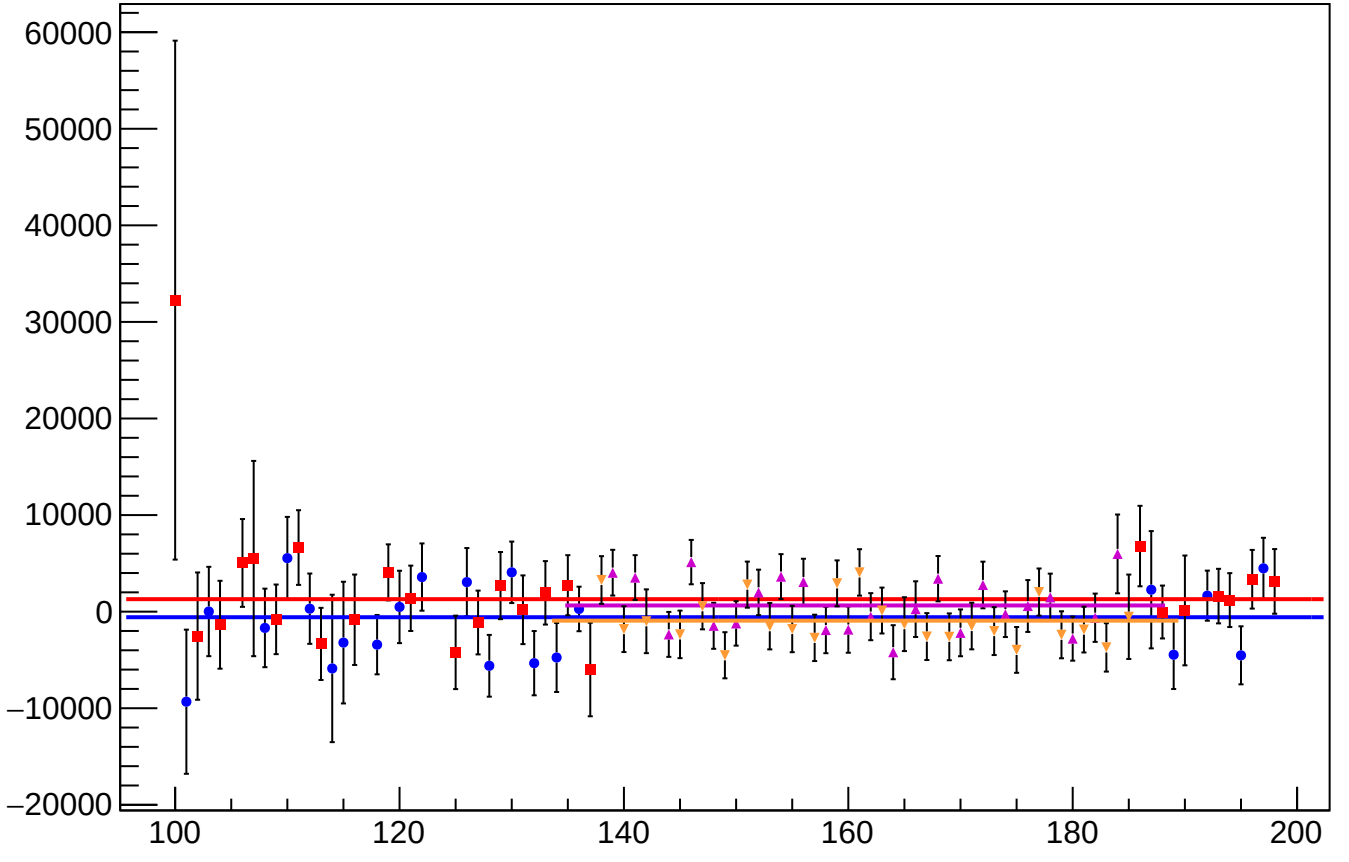
+ sign -141.532+/-31.935 χ^2/NDF: 67.4/44

All: -108.687+/-22.516 χ^2/NDF: 113.4/92

- sign -76.219+/-31.751 χ^2/NDF: 43.9/47


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 209.274+/-0.065 χ²/NDF: 10648557.6/20
Left Out: 140.319+/-0.024 χ²/NDF:2760280.2/23
Right Out: 183.509+/-0.060 χ²/NDF: 14874115.5/24
Left In: 139.979+/-0.024 χ²/NDF:2412509.5/22
+ sign 148.657+/-0.023 χ²/NDF: 14399997.4/44
All: 147.321+/-0.016 χ²/NDF: 32141642.7/92
- sign 146.000+/-0.022 χ²/NDF: 17734683.1/47

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -576.419+/-776.780 χ^2/NDF: 22.3/20

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1292.363+/-738.683 χ^2/NDF: 16.0/24

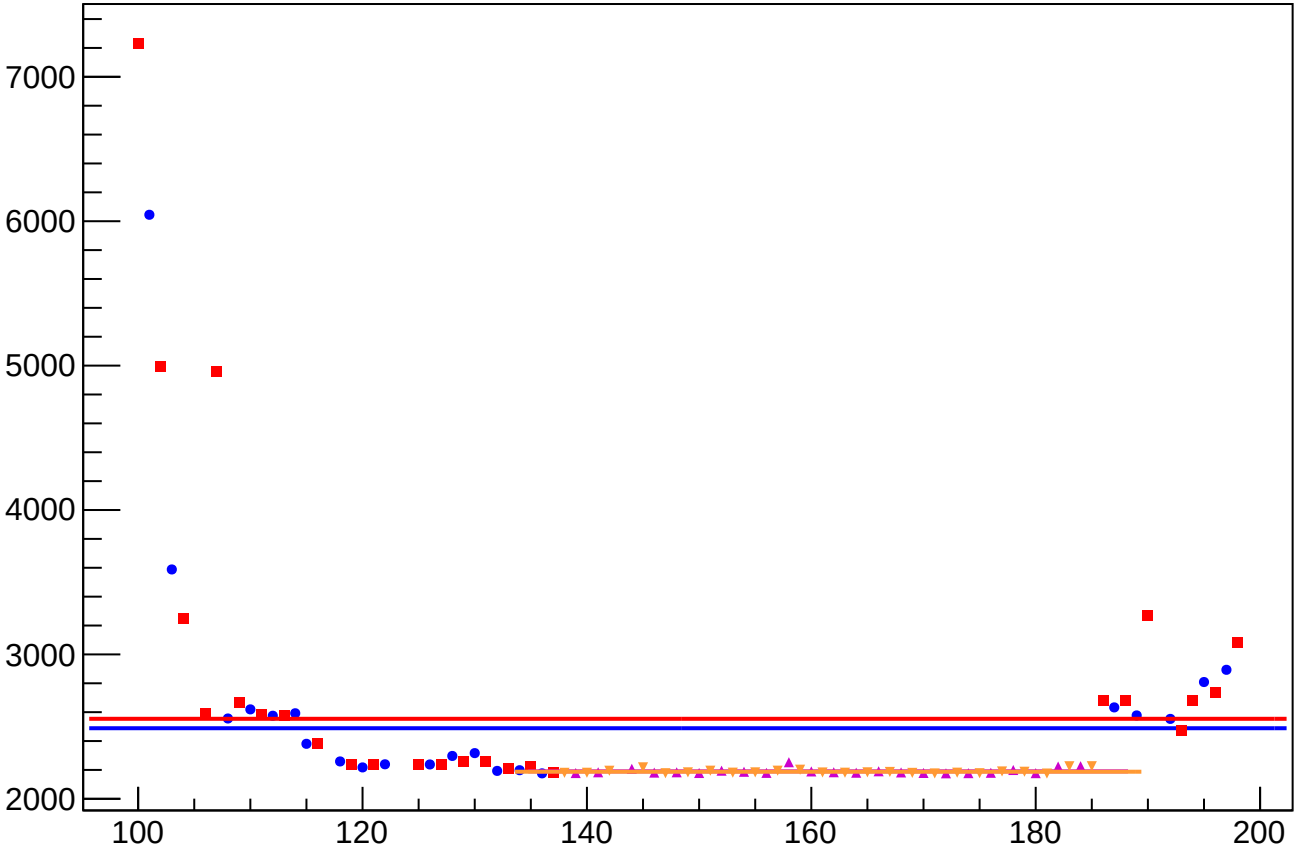
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -825.563+/-424.988 χ^2/NDF: 44.8/44

All: 22.838+/-298.895 χ^2/NDF: 96.2/92

- sign 853.227+/-420.452 χ^2/NDF: 43.5/47

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2488.775+/-0.549 χ^2/NDF: 751555.1/20

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

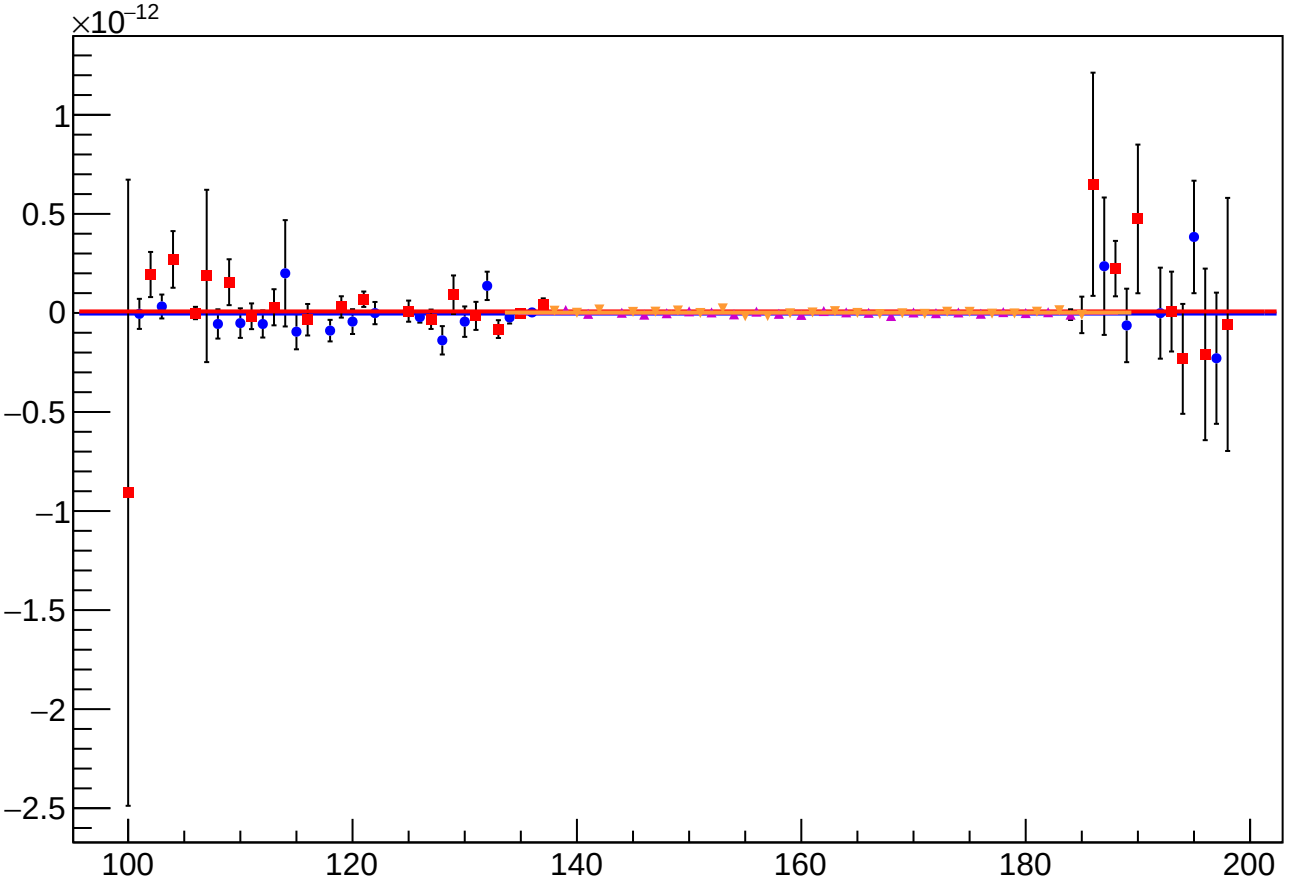
Right Out: 2554.087+/-0.522 χ^2/NDF: 758676.4/24

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2277.766+/-0.301 χ^2/NDF: 963528.9/44

All: 2293.079+/-0.211 χ^2/NDF: 2058054.2/92

- sign 2308.068+/-0.297 χ^2/NDF: 1089387.1/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

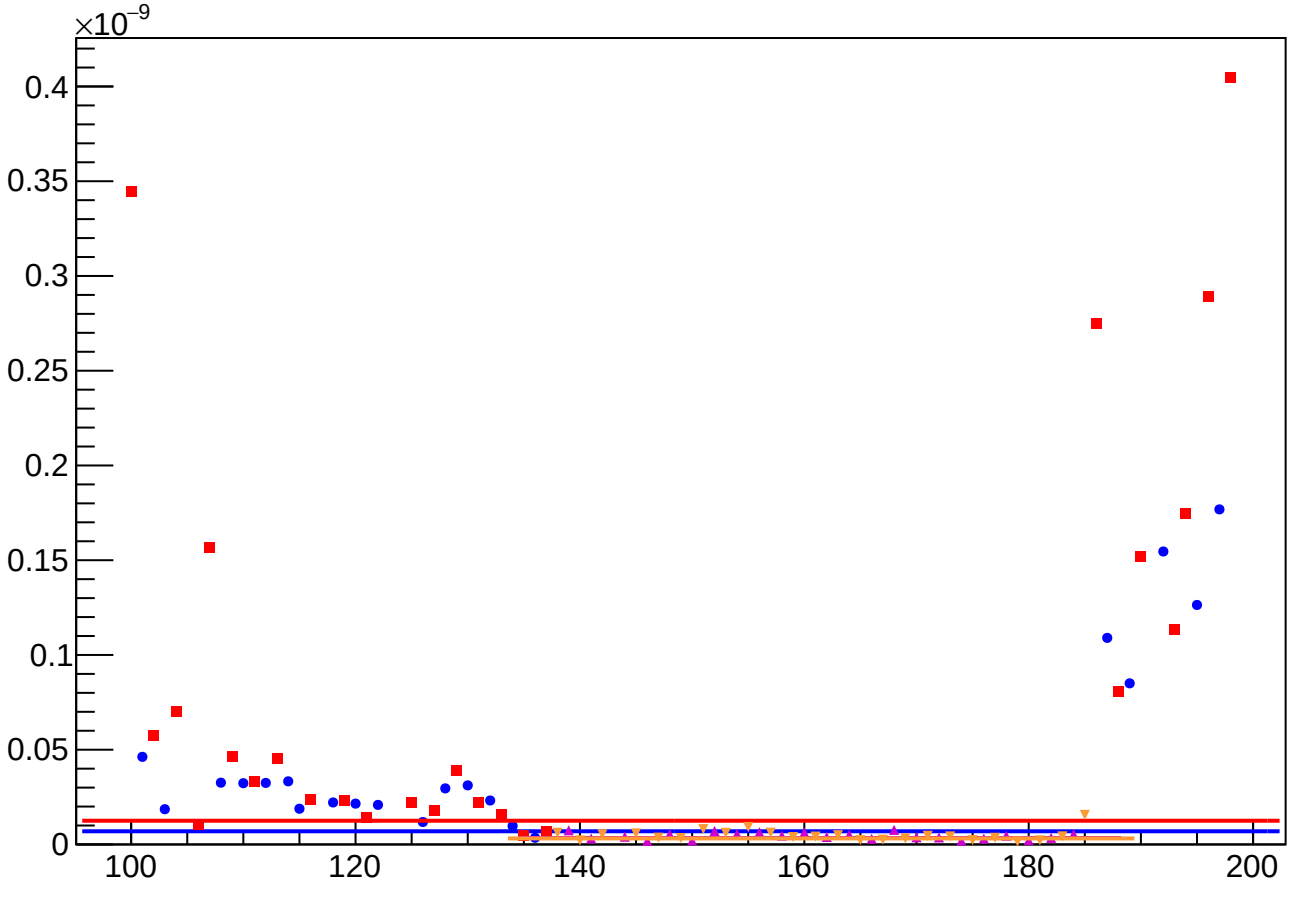
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/24

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.5/44

All: 0.000+/-0.000 χ^2/NDF: 77.8/92

- sign 0.000+/-0.000 χ^2/NDF: 39.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 5096924.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

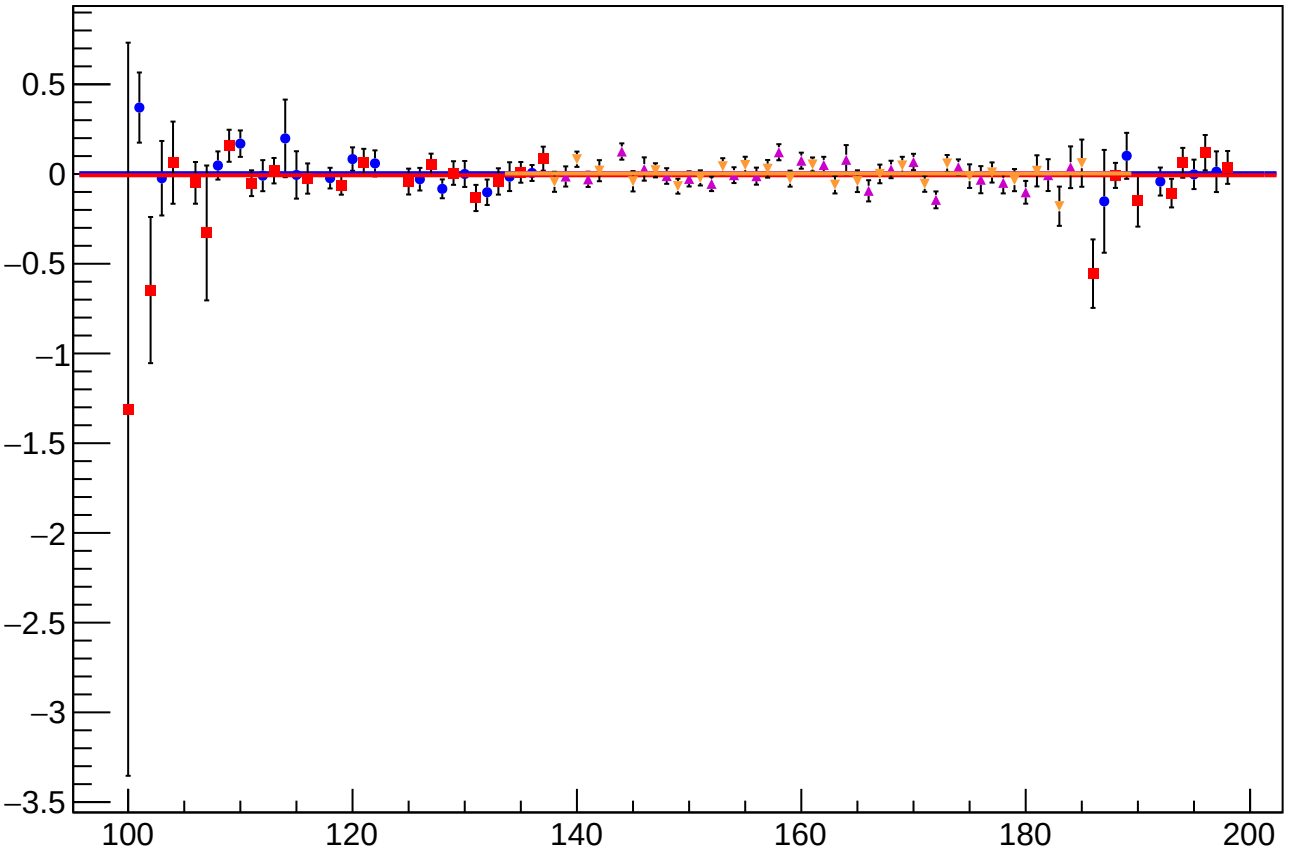
Right Out: 0.000+/-0.000 χ^2/NDF: 6663551.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7845139.3/44

All: 0.000+/-0.000 χ^2/NDF: 17959474.7/92

- sign 0.000+/-0.000 χ^2/NDF: 10085402.0/47



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

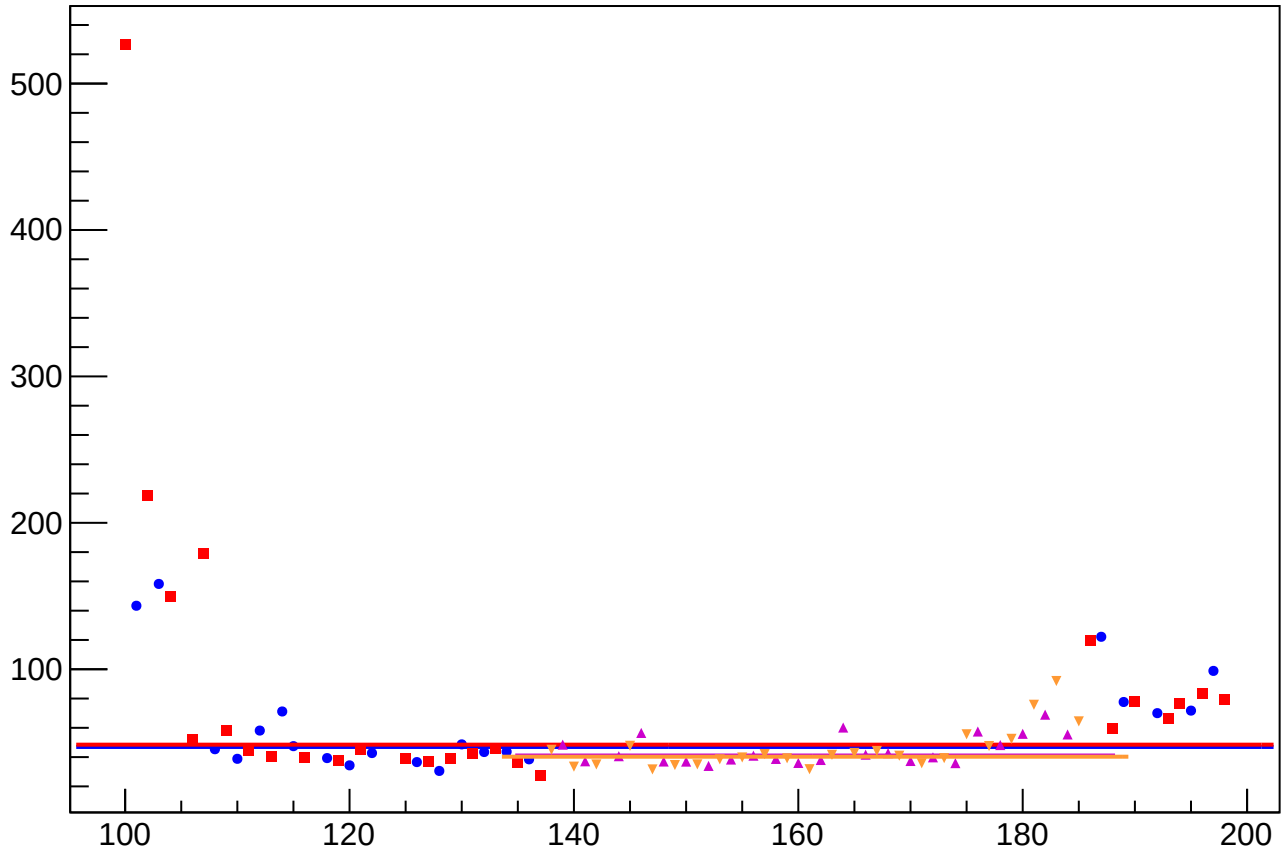
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/44

All: 0.003+/-0.006 χ^2/NDF: 111.8/92

- sign 0.002+/-0.009 χ^2/NDF: 71.4/47



Right In: 46.934+/-0.012 χ^2/NDF: 2621119.0/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

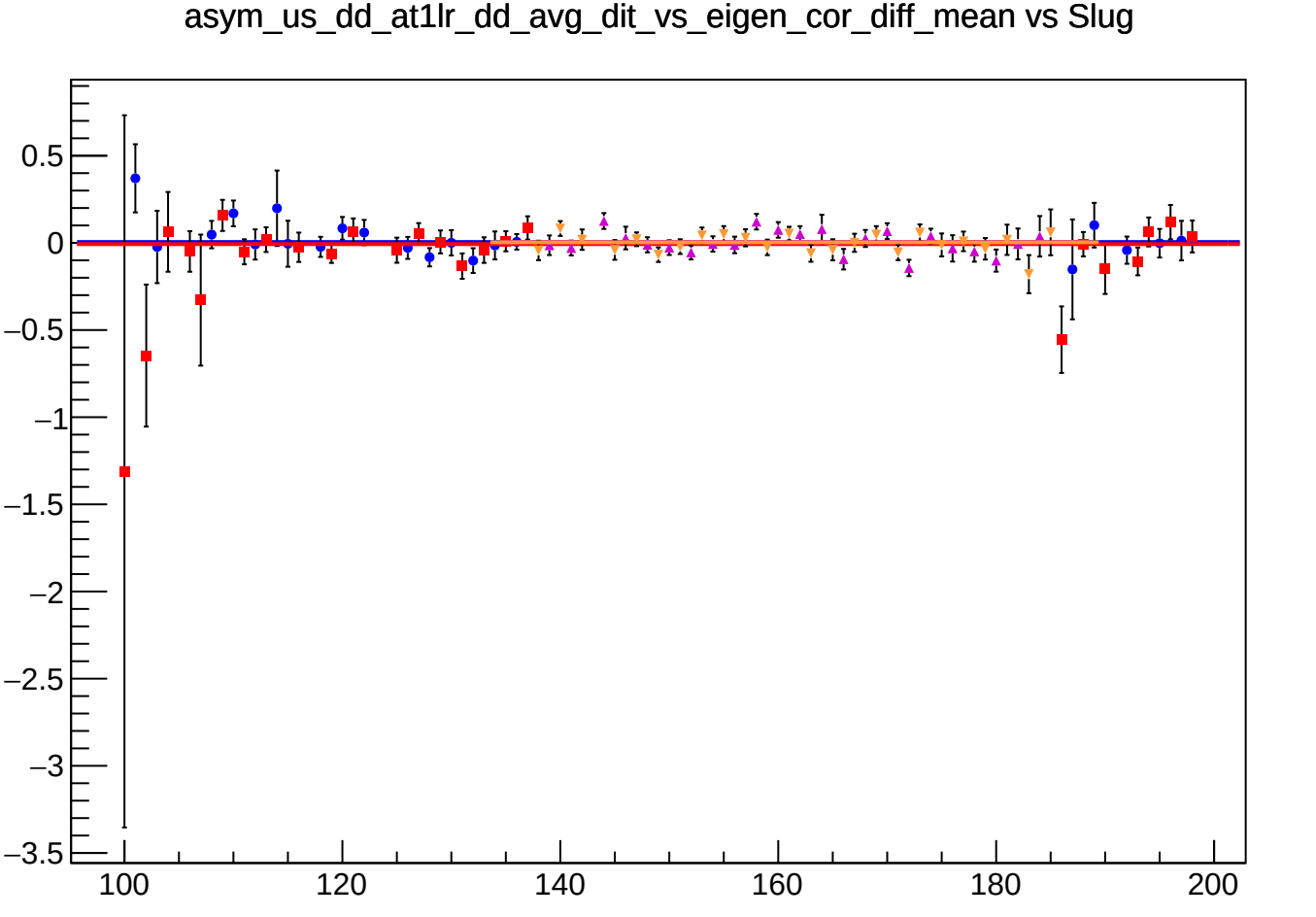
Right Out: 48.493+/-0.012 χ^2/NDF: 2921873.0/24

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 42.083+/-0.006 χ^2/NDF: 4333841.6/44

All: 42.663+/-0.004 χ^2/NDF: 8487353.9/92

- sign 43.247+/-0.006 χ^2/NDF: 4136306.0/47



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

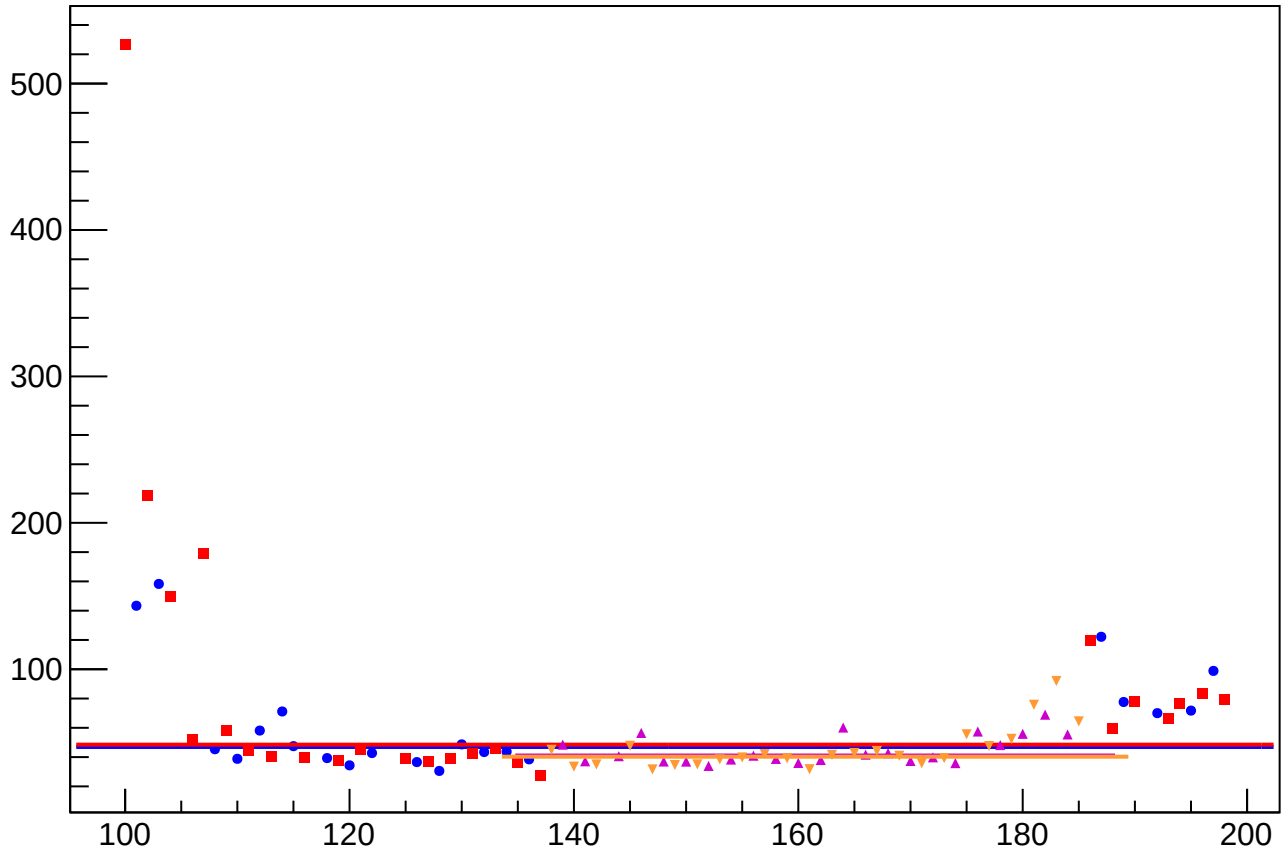
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/44

All: 0.003+/-0.006 χ^2/NDF: 111.8/92

- sign 0.002+/-0.009 χ^2/NDF: 71.4/47



Right In: 46.934+/-0.012 χ^2/NDF: 2621119.0/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

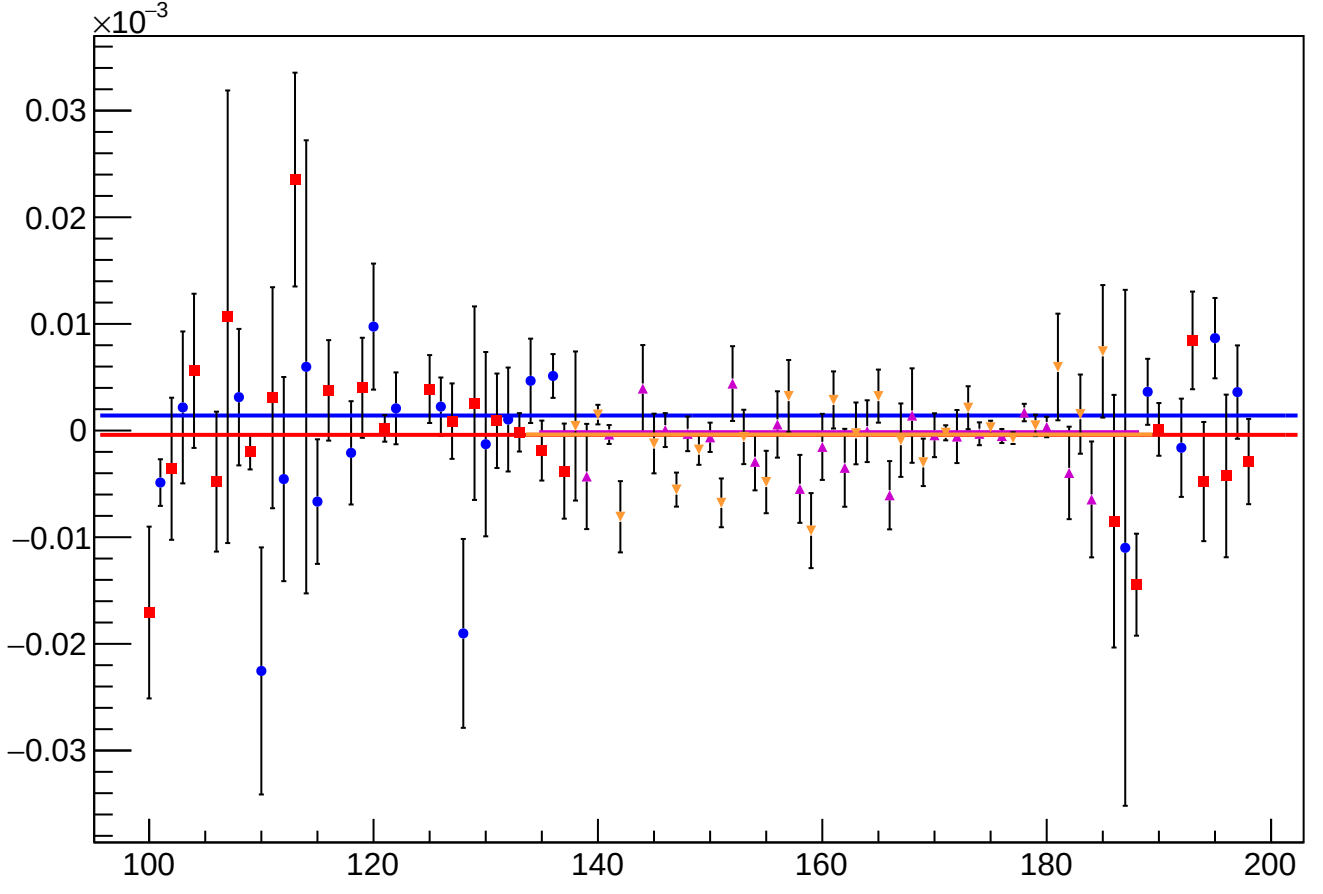
Right Out: 48.493+/-0.012 χ^2/NDF: 2921873.0/24

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 42.083+/-0.006 χ^2/NDF: 4333841.6/44

All: 42.663+/-0.004 χ^2/NDF: 8487353.9/92

- sign 43.247+/-0.006 χ^2/NDF: 4136306.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

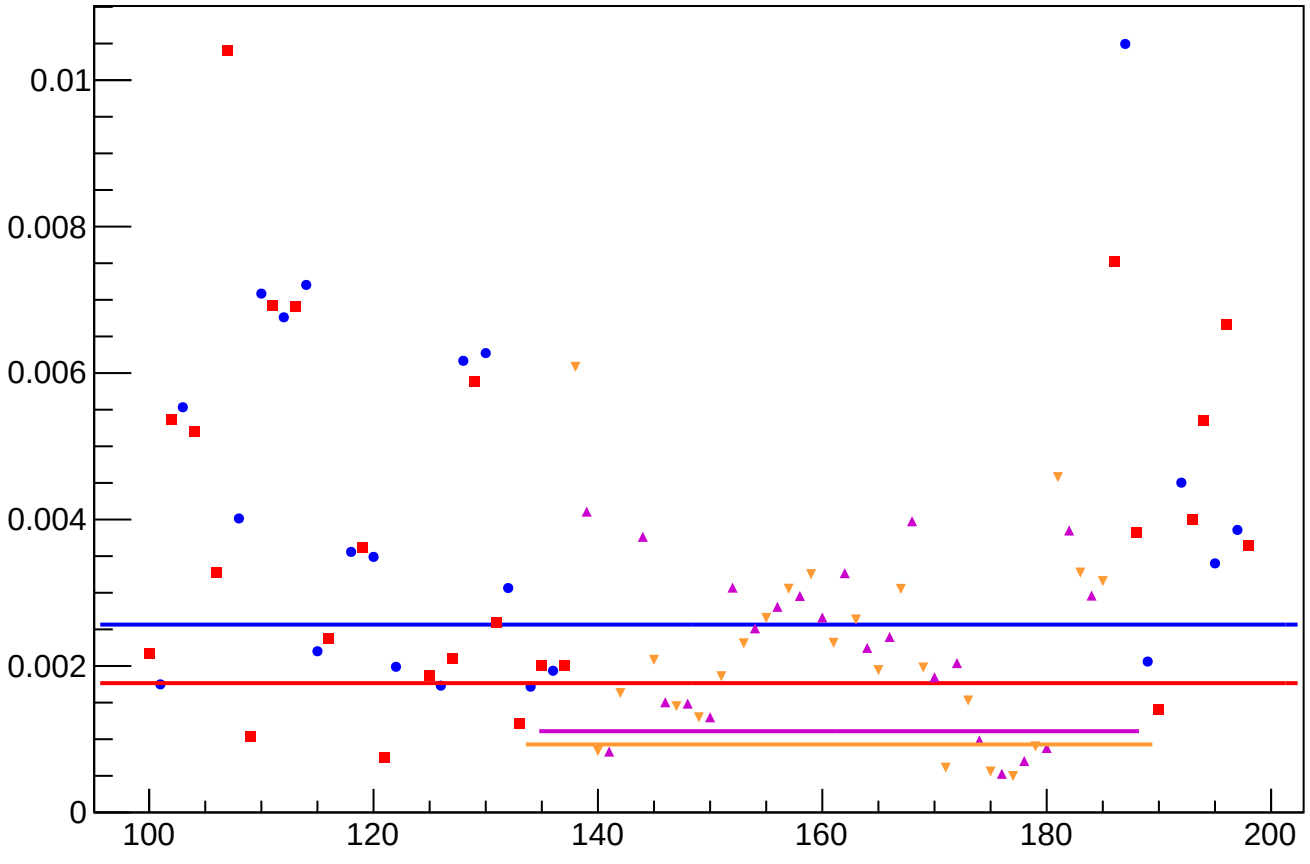
Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/24

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 86.9/44

All: -0.000+/-0.000 χ^2/NDF: 138.6/92

- sign -0.000+/-0.000 χ^2/NDF: 51.7/47



Right In: 0.003+/-0.000 χ^2/NDF: 3793291.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

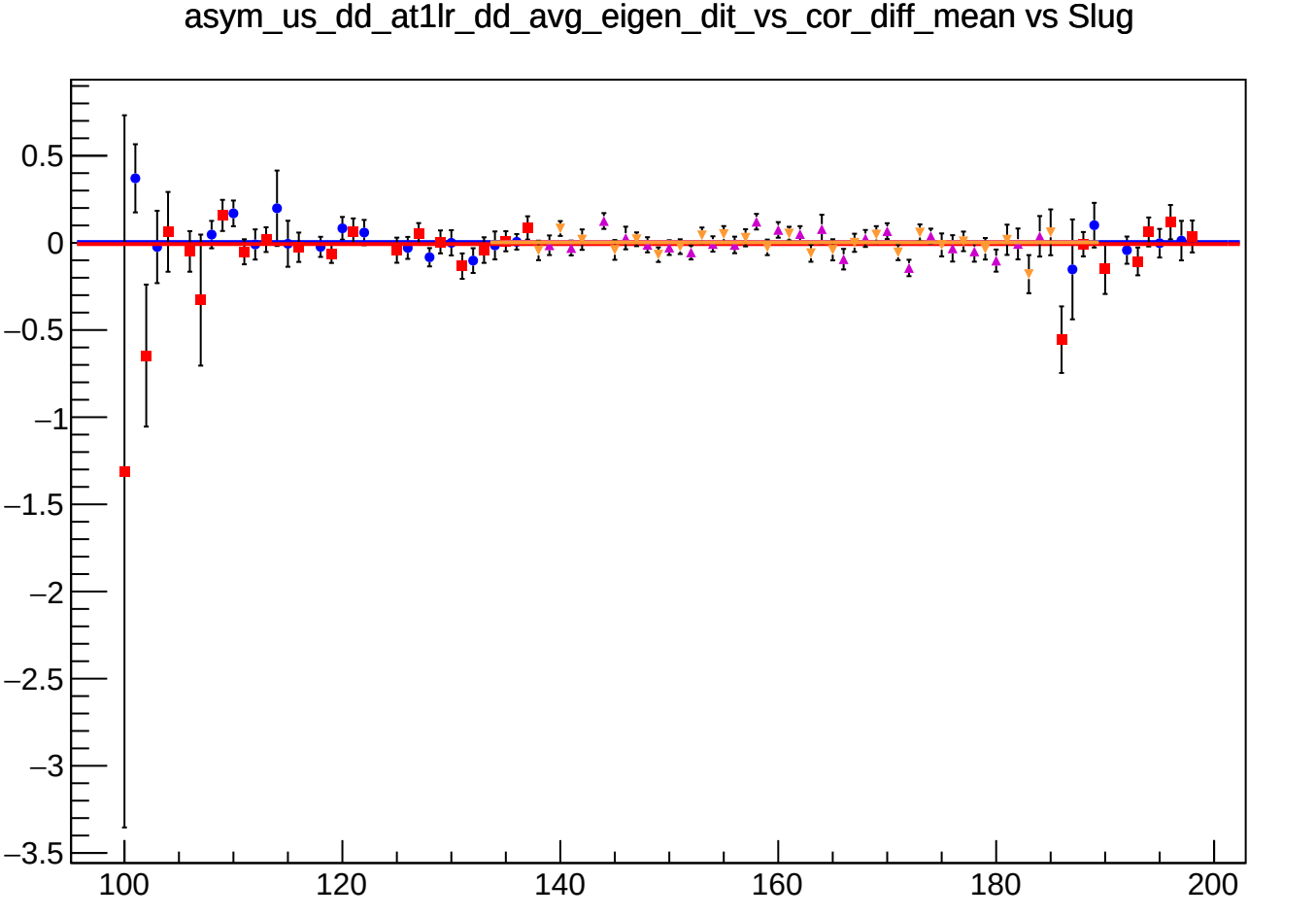
Right Out: 0.002+/-0.000 χ^2/NDF: 8709161.7/24

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

\+ sign 0.001+/-0.000 χ^2/NDF: 22427445.8/44

All: 0.001+/-0.000 χ^2/NDF: 44009417.1/92

\- sign 0.001+/-0.000 χ^2/NDF: 21241359.7/47



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

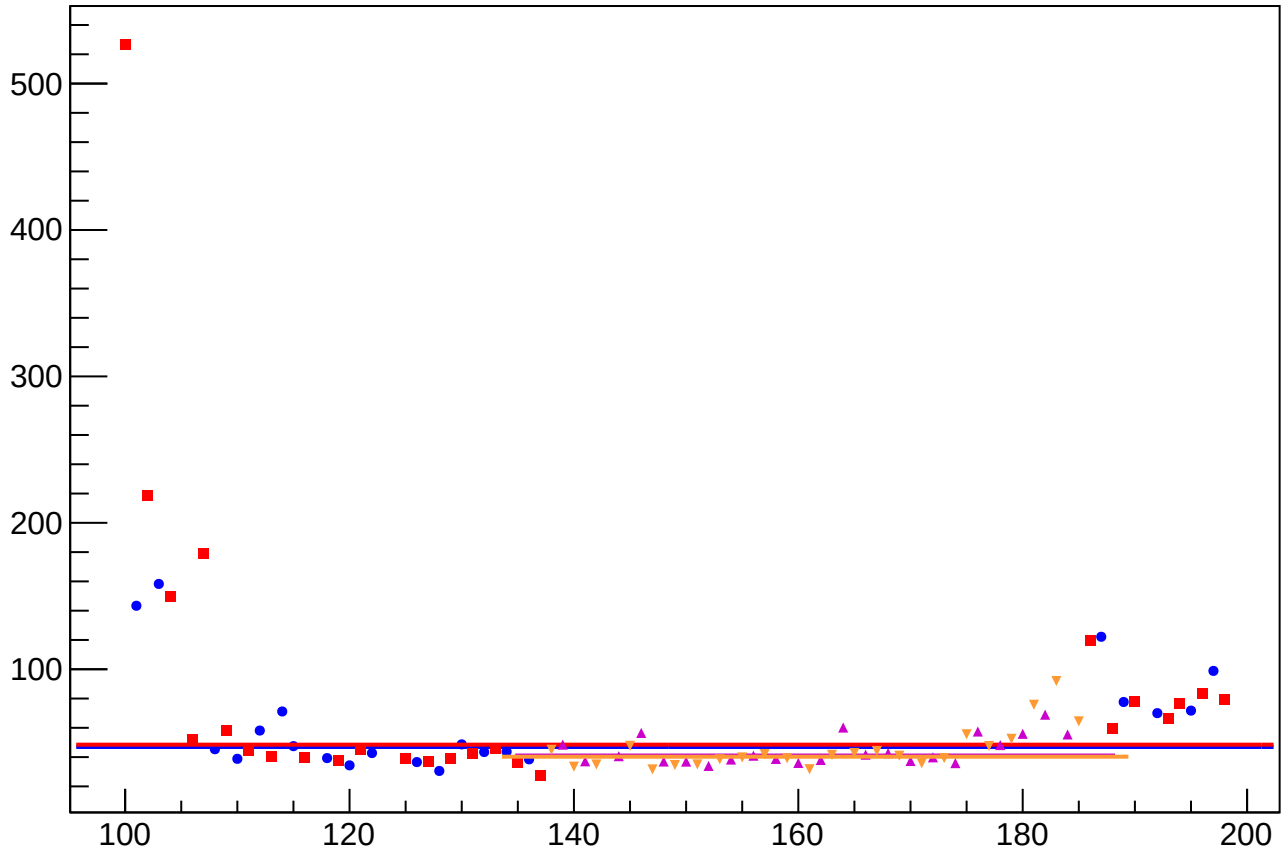
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/44

All: 0.003+/-0.006 χ^2/NDF: 111.8/92

- sign 0.002+/-0.009 χ^2/NDF: 71.4/47



Right In: 46.932+/-0.012 χ^2/NDF: 2621477.8/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

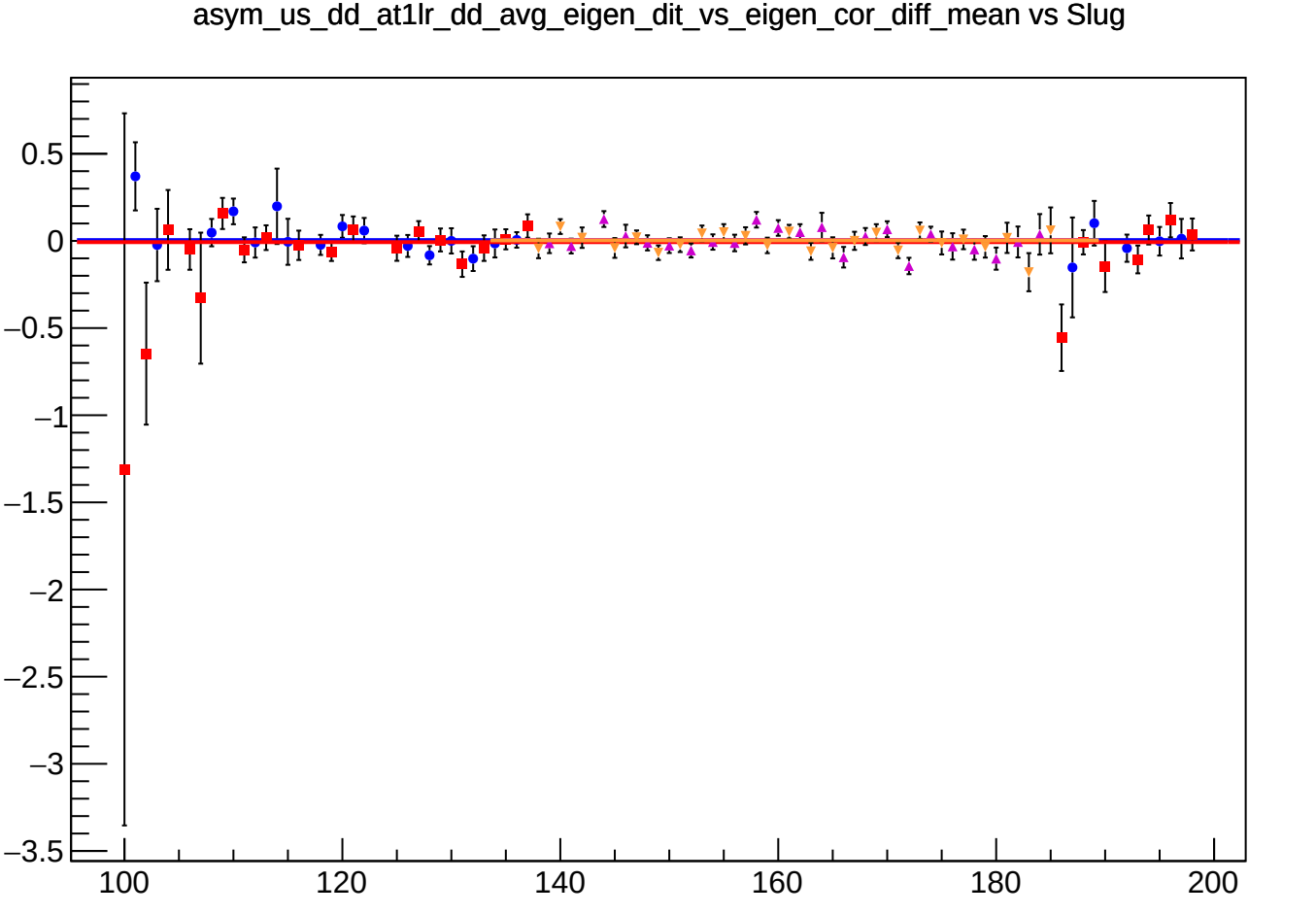
Right Out: 48.494+/-0.012 χ^2/NDF: 2921865.5/24

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

\+ sign 42.083+/-0.006 χ^2/NDF: 4334022.5/44

All: 42.663+/-0.004 χ^2/NDF: 8487624.6/92

\- sign 43.247+/-0.006 χ^2/NDF: 4136376.5/47



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

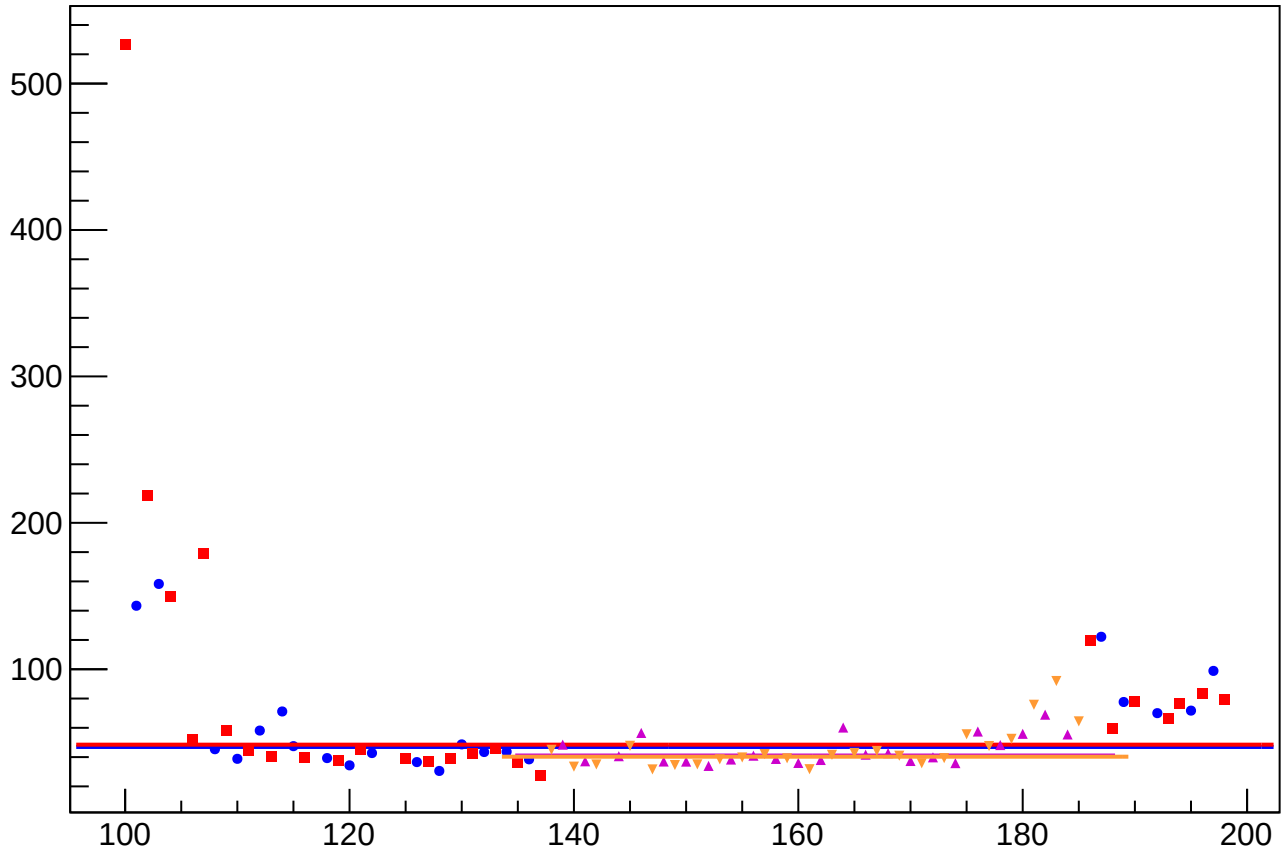
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/44

All: 0.003+/-0.006 χ^2/NDF: 111.8/92

- sign 0.002+/-0.009 χ^2/NDF: 71.4/47



Right In: 46.932+/-0.012 χ^2/NDF: 2621477.8/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

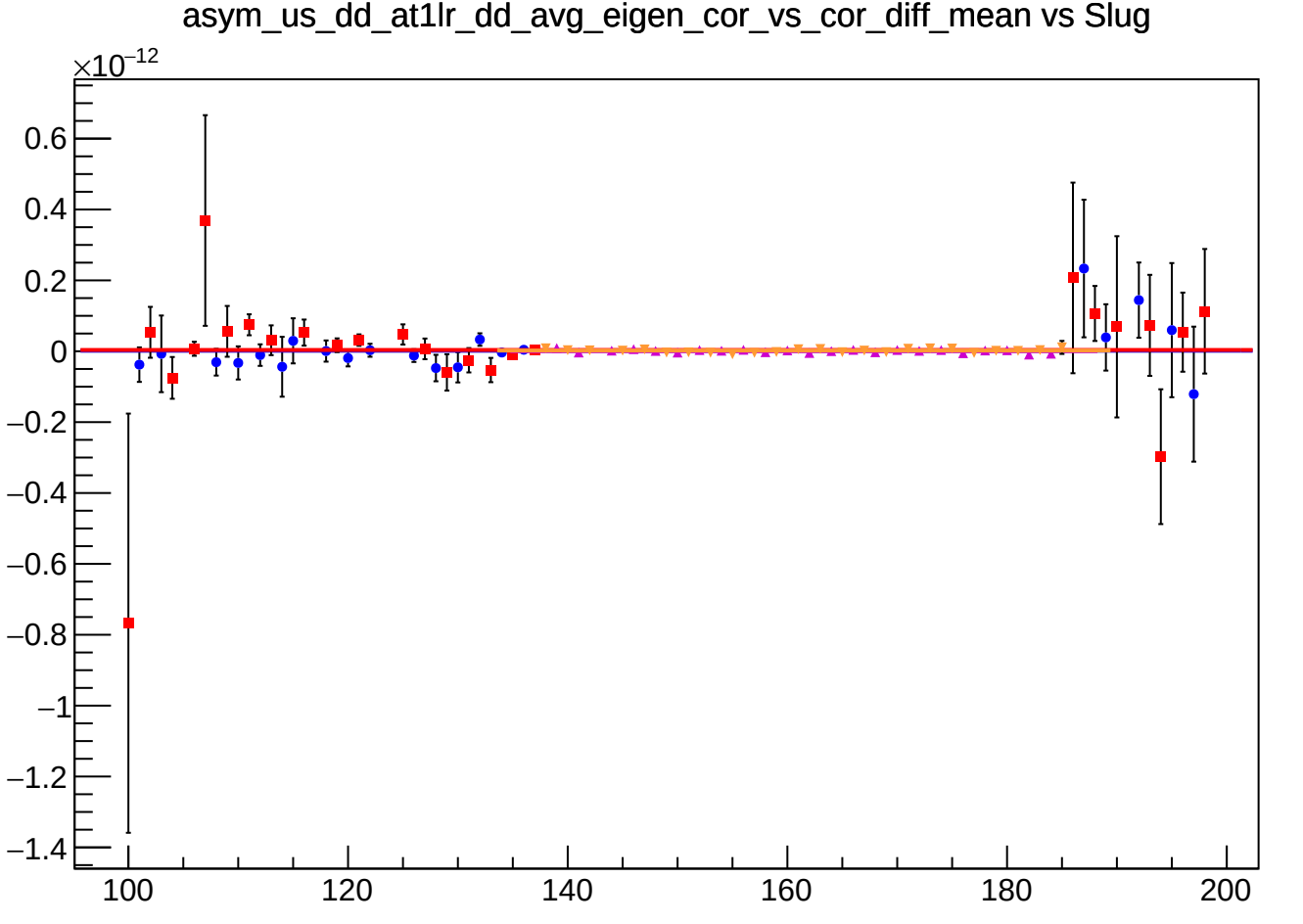
Right Out: 48.494+/-0.012 χ^2/NDF: 2921865.5/24

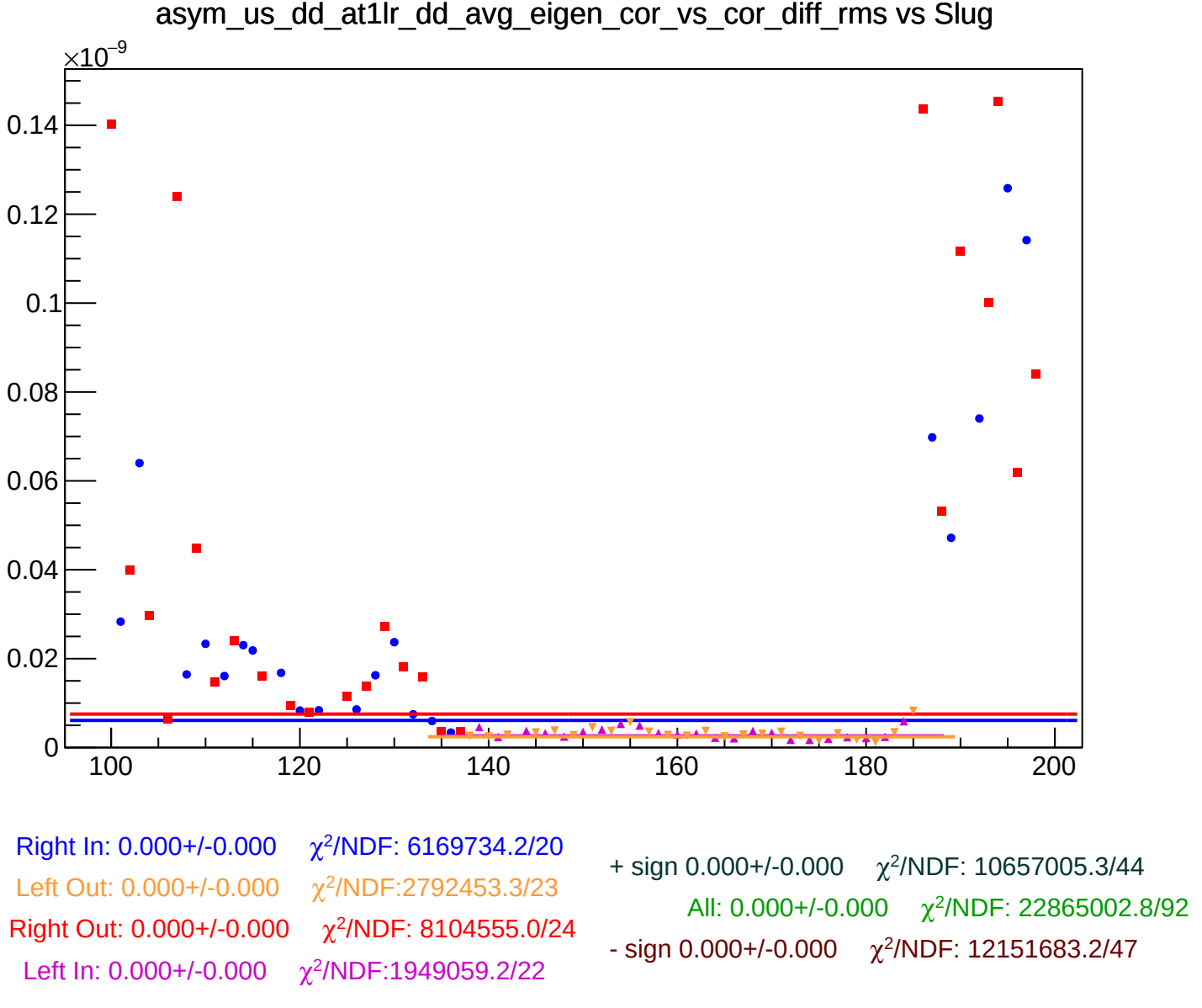
Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 42.083+/-0.006 χ^2/NDF: 4334022.5/44

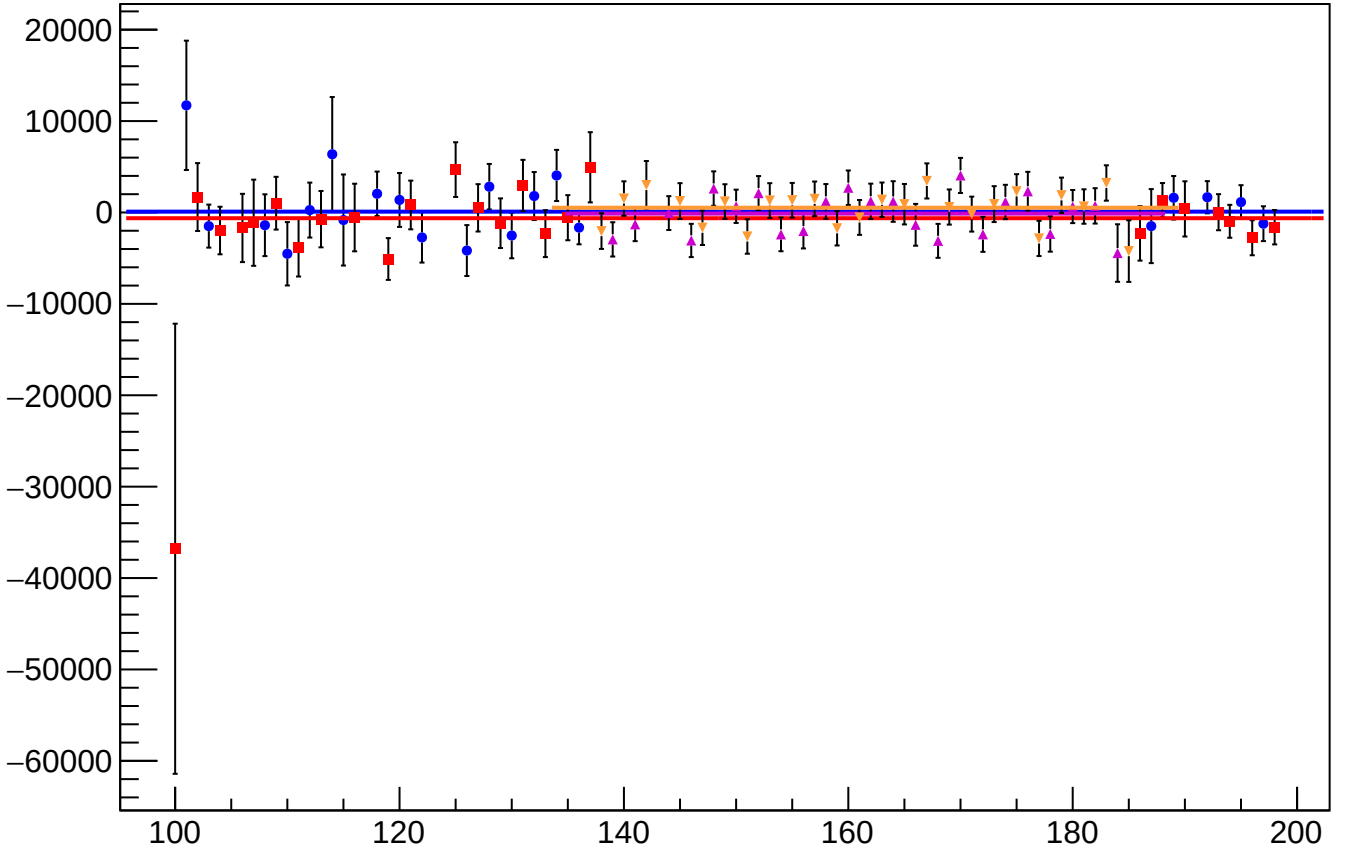
All: 42.663+/-0.004 χ^2/NDF: 8487624.6/92

- sign 43.247+/-0.006 χ^2/NDF: 4136376.5/47


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 14.4/20
Left Out: 0.000+/-0.000 χ²/NDF:25.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.6/24
Left In: 0.000+/-0.000 χ²/NDF:23.1/22
+ sign 0.000+/-0.000 χ²/NDF: 39.6/44
All: 0.000+/-0.000 χ²/NDF: 99.7/92
- sign 0.000+/-0.000 χ²/NDF: 58.2/47


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6169734.2/20
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 8104555.0/24
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10657005.3/44
All: 0.000+/-0.000 χ²/NDF: 22865002.8/92
- sign 0.000+/-0.000 χ²/NDF: 12151683.2/47

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 89.773+/-566.554 χ^2/NDF: 18.2/20

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -627.715+/-526.743 χ^2/NDF: 19.1/24

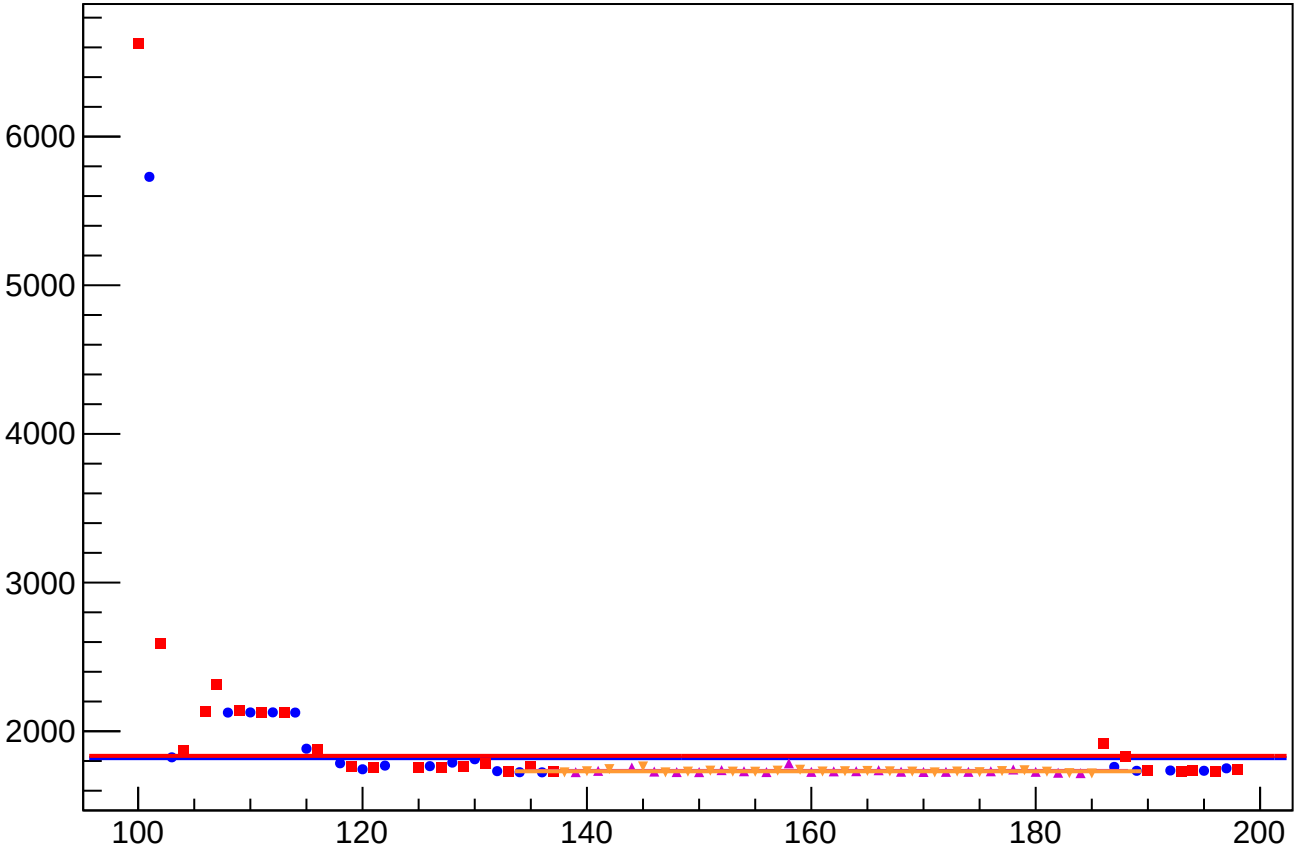
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 376.023+/-327.693 χ^2/NDF: 39.3/44

All: 24.682+/-229.268 χ^2/NDF: 90.7/92

- sign -312.208+/-320.883 χ^2/NDF: 49.1/47

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1818.901+/-0.401 χ^2/NDF: 696768.5/20

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

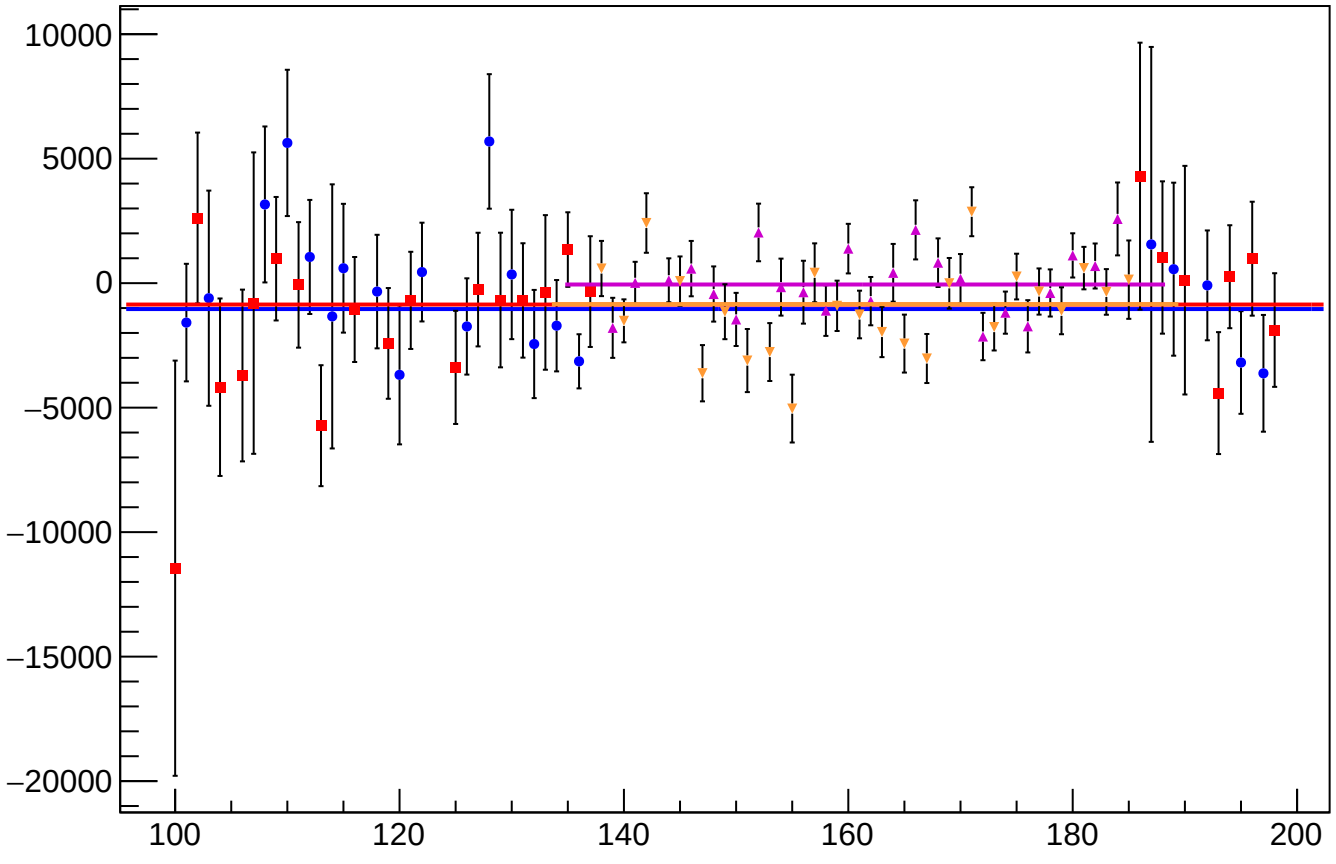
Right Out: 1834.496+/-0.372 χ^2/NDF: 291595.0/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.305+/-0.232 χ^2/NDF: 729886.9/44

All: 1765.596+/-0.162 χ^2/NDF: 1071433.6/92

- sign 1770.670+/-0.227 χ^2/NDF: 340525.2/47



Right In: -1040.279+/-498.145 χ^2/NDF: 23.5/20

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -858.987+/-506.031 χ^2/NDF: 17.5/24

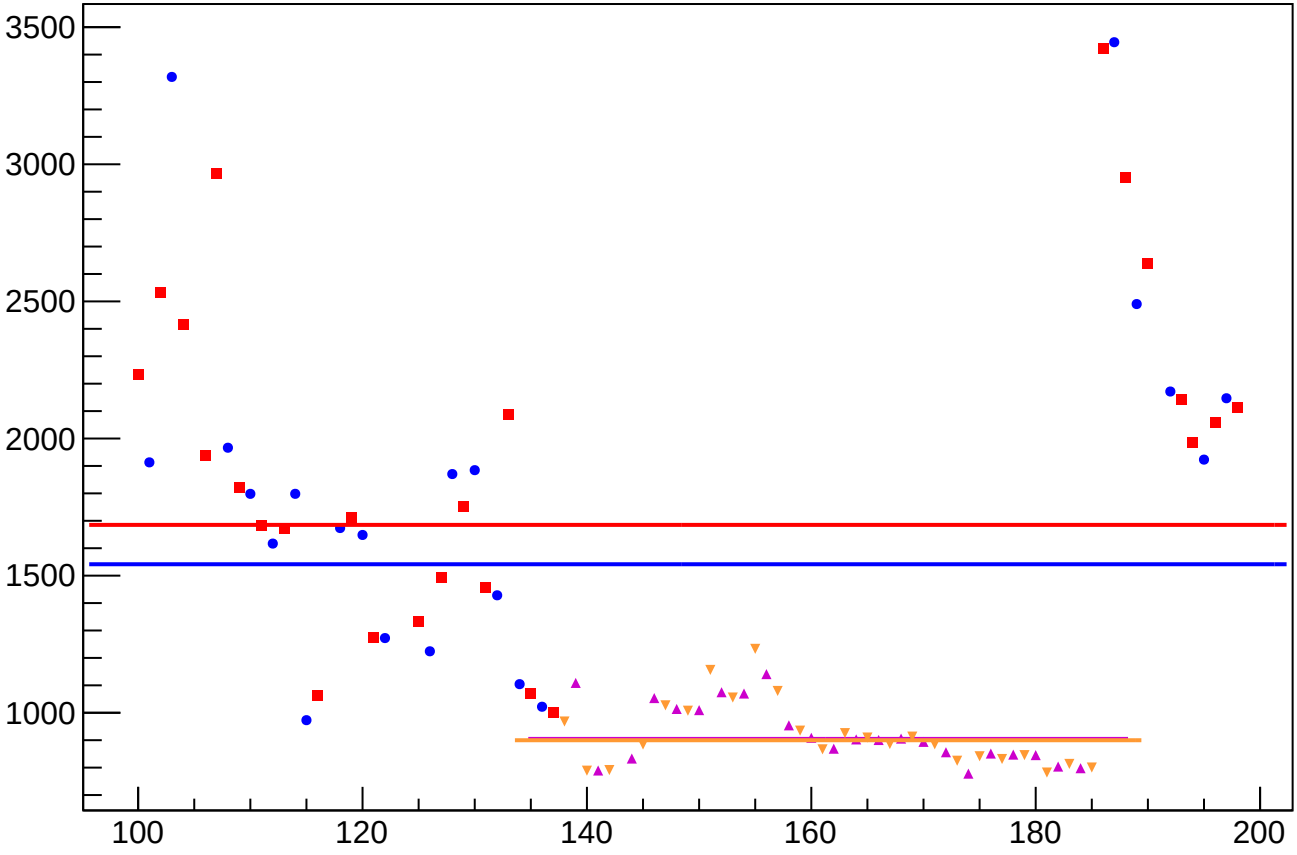
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -872.497+/-194.174 χ^2/NDF: 86.3/44

All: -527.551+/-138.044 χ^2/NDF: 143.0/92

- sign -175.044+/-196.291 χ^2/NDF: 50.3/47

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1541.552+/-0.352 χ^2/NDF: 1913015.2/20

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1685.079+/-0.358 χ^2/NDF: 2103006.7/24

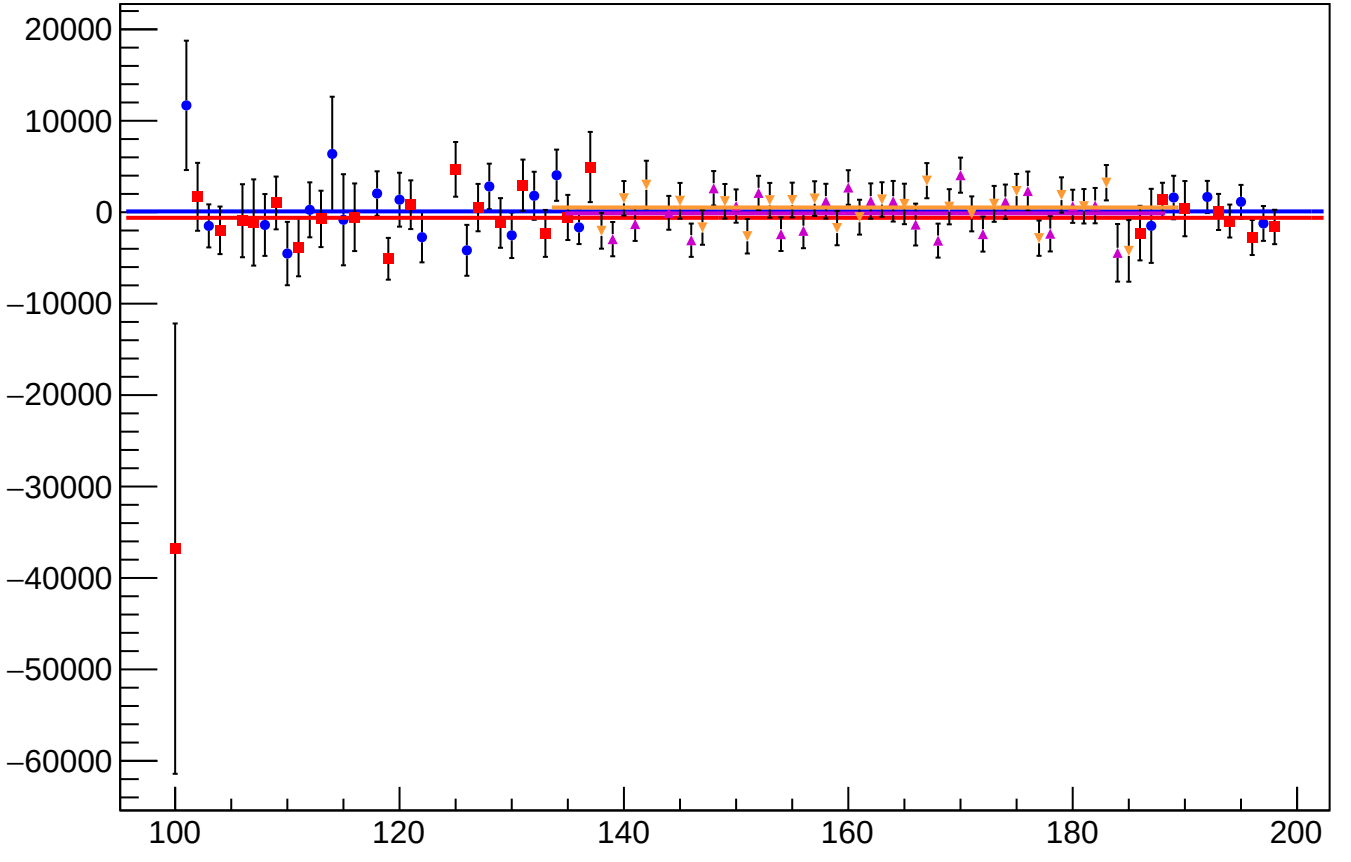
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 997.317+/-0.137 χ^2/NDF: 5223247.5/44

All: 1009.567+/-0.098 χ^2/NDF: 11835840.9/9

- sign 1022.085+/-0.139 χ^2/NDF: 6596499.6/47

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 89.352+/-566.554 χ^2/NDF: 18.2/20

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -611.985+/-527.400 χ^2/NDF: 19.0/24

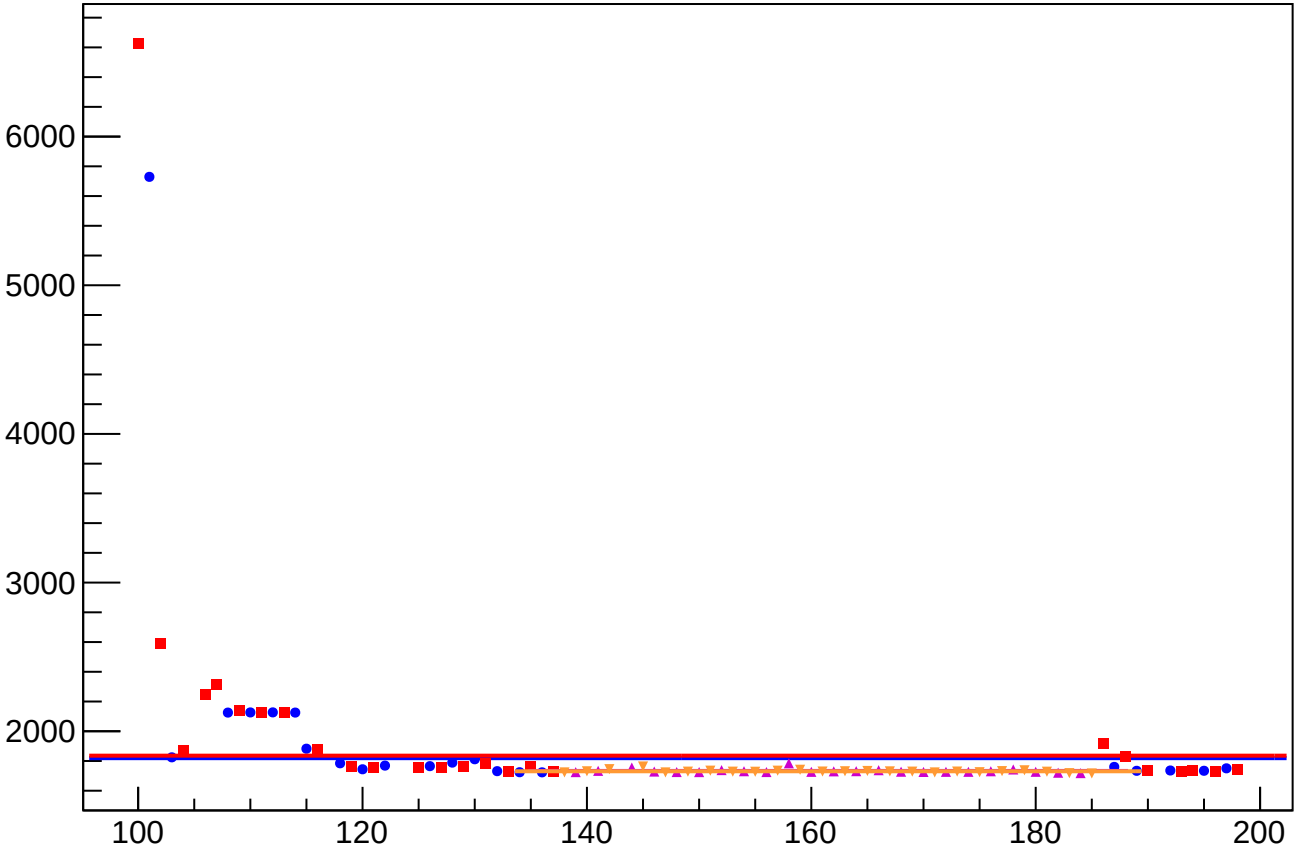
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 375.901+/-327.693 χ^2/NDF: 39.3/44

All: 27.885+/-229.323 χ^2/NDF: 90.6/92

- sign -306.126+/-321.032 χ^2/NDF: 49.0/47

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1818.901+/-0.401 χ^2/NDF: 696768.3/20

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

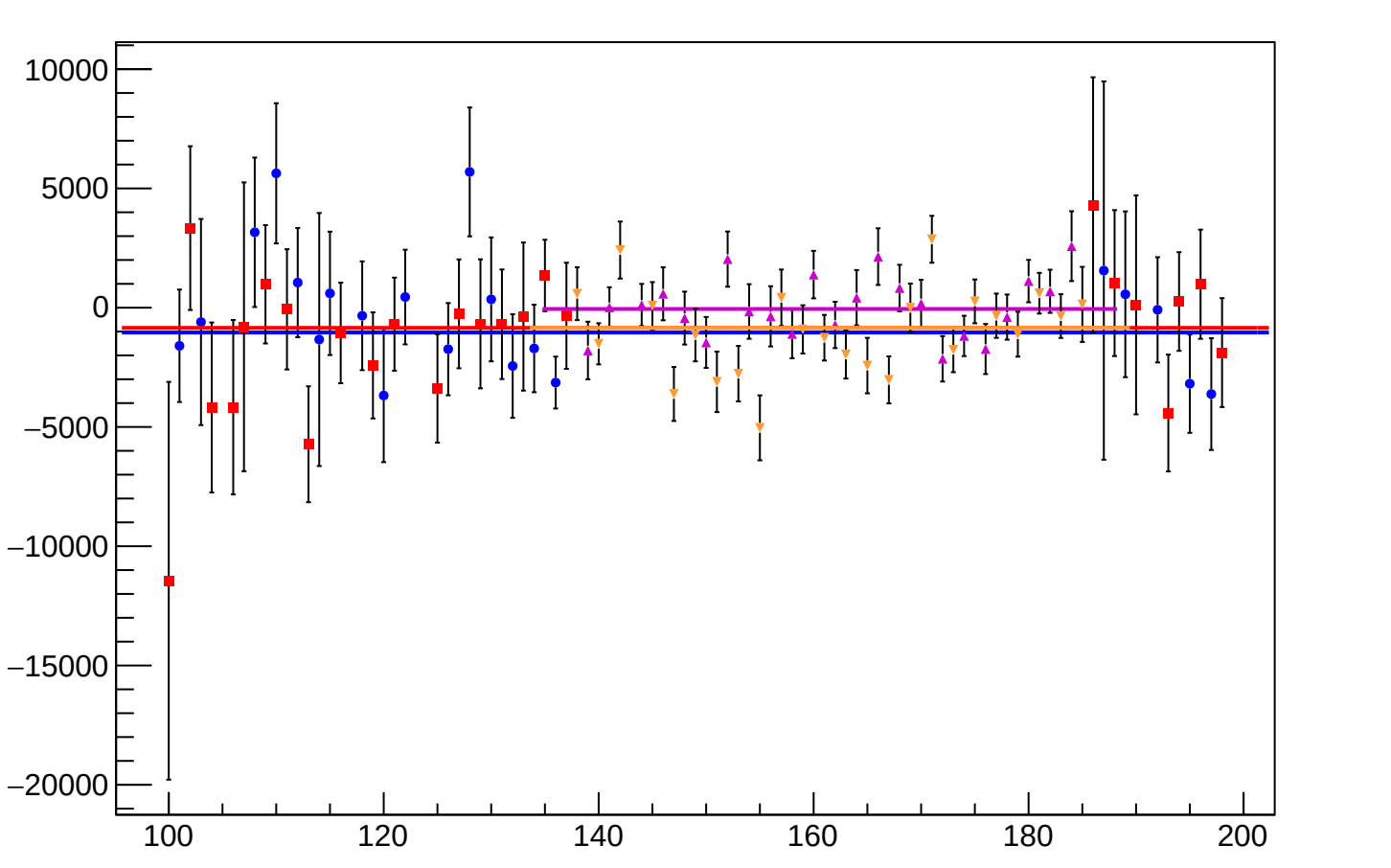
Right Out: 1835.787+/-0.373 χ^2/NDF: 300413.3/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.305+/-0.232 χ^2/NDF: 729886.7/44

All: 1765.808+/-0.162 χ^2/NDF: 1081455.3/92

- sign 1771.089+/-0.227 χ^2/NDF: 350463.2/47



Right In: -1040.874+/-498.113 χ^2/NDF: 23.5/20

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -845.603+/-506.629 χ^2/NDF: 18.1/24

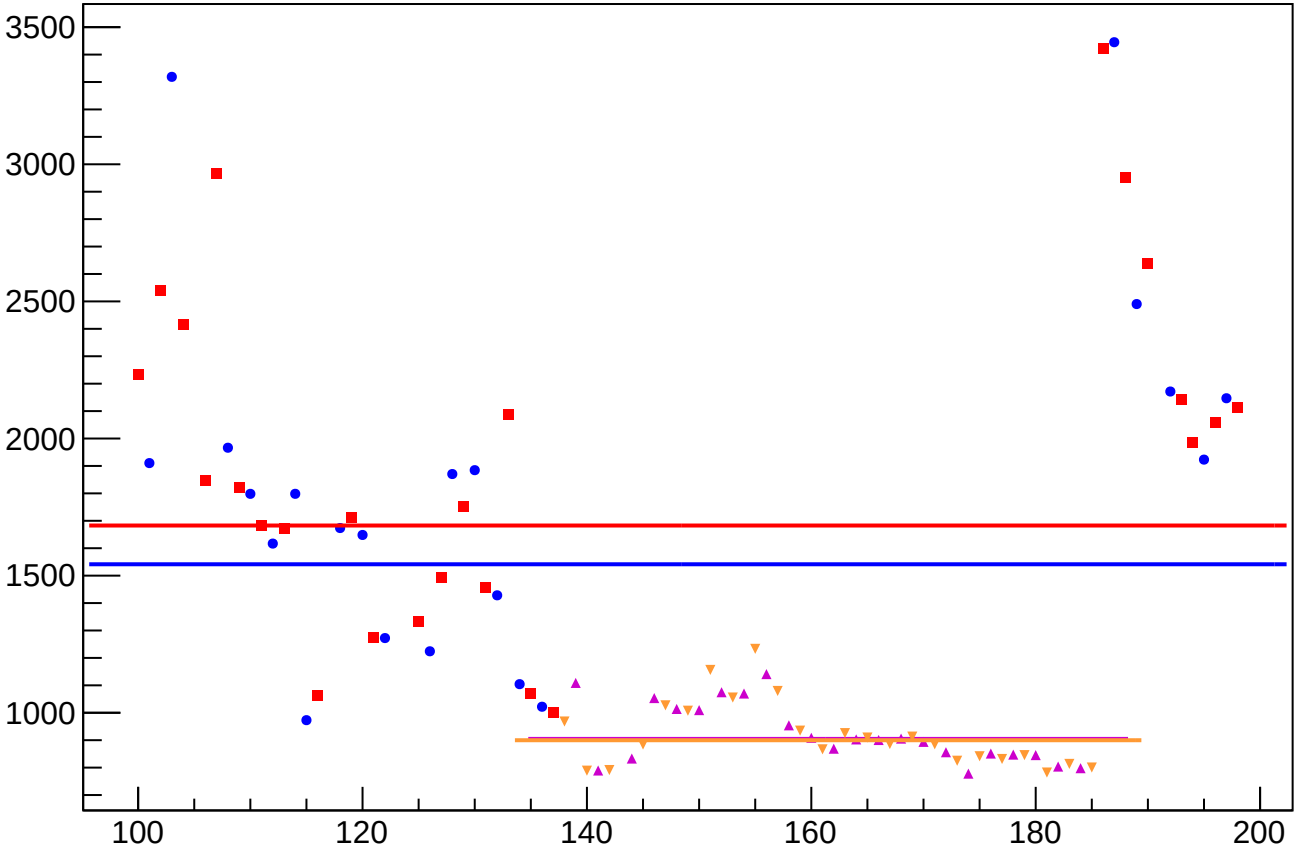
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -872.621+/-194.173 χ^2/NDF: 86.3/44

All: -526.573+/-138.056 χ^2/NDF: 143.6/92

- sign -172.810+/-196.325 χ^2/NDF: 50.9/47

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1541.471+/-0.352 χ^2/NDF: 1912523.7/20

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1682.775+/-0.358 χ^2/NDF: 2097643.9/24

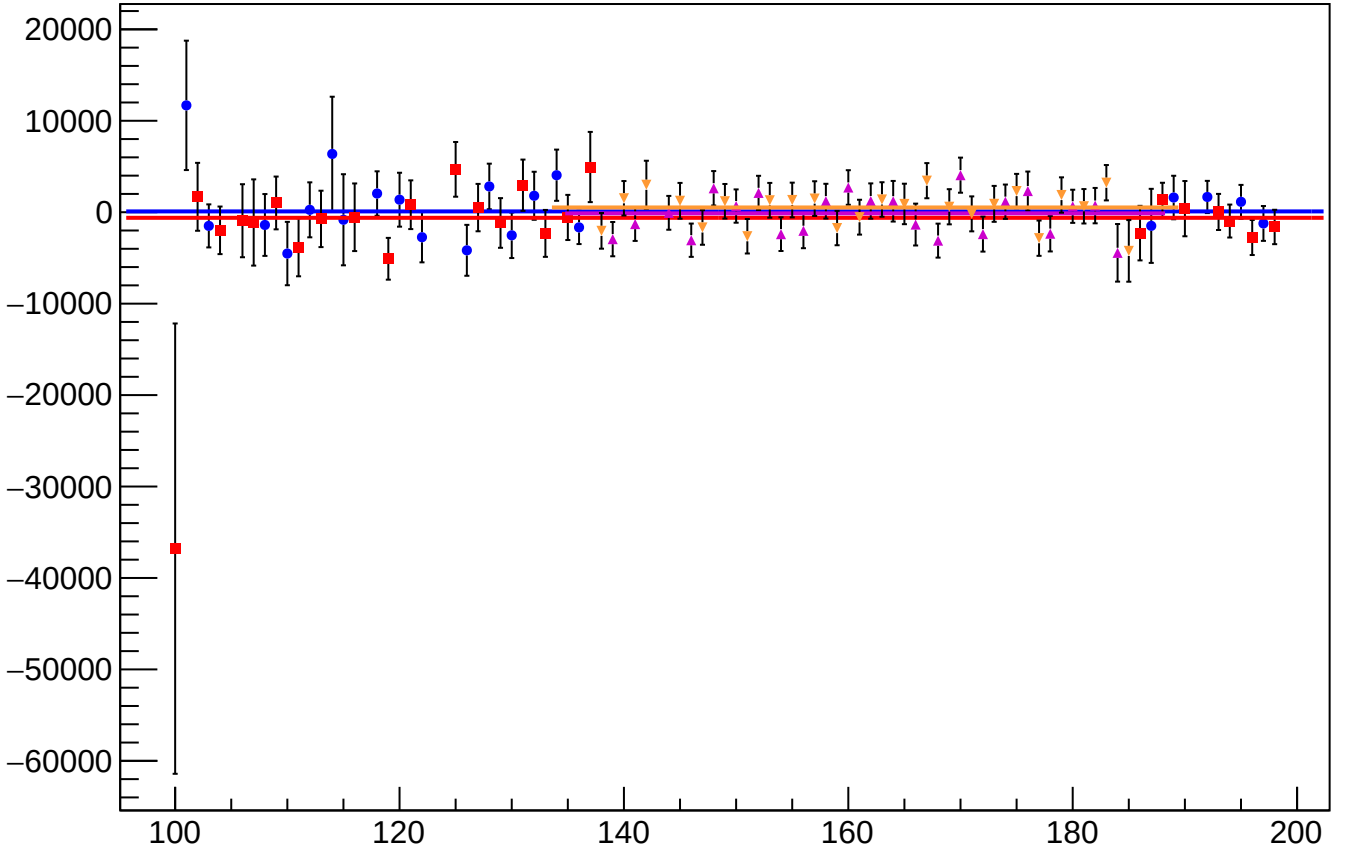
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 997.318+/-0.137 χ^2/NDF: 5222273.3/44

All: 1009.276+/-0.098 χ^2/NDF: 11796911.9/9

- sign 1021.500+/-0.139 χ^2/NDF: 6559299.8/47

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 89.352+/-566.554 χ^2/NDF: 18.2/20

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -611.985+/-527.400 χ^2/NDF: 19.0/24

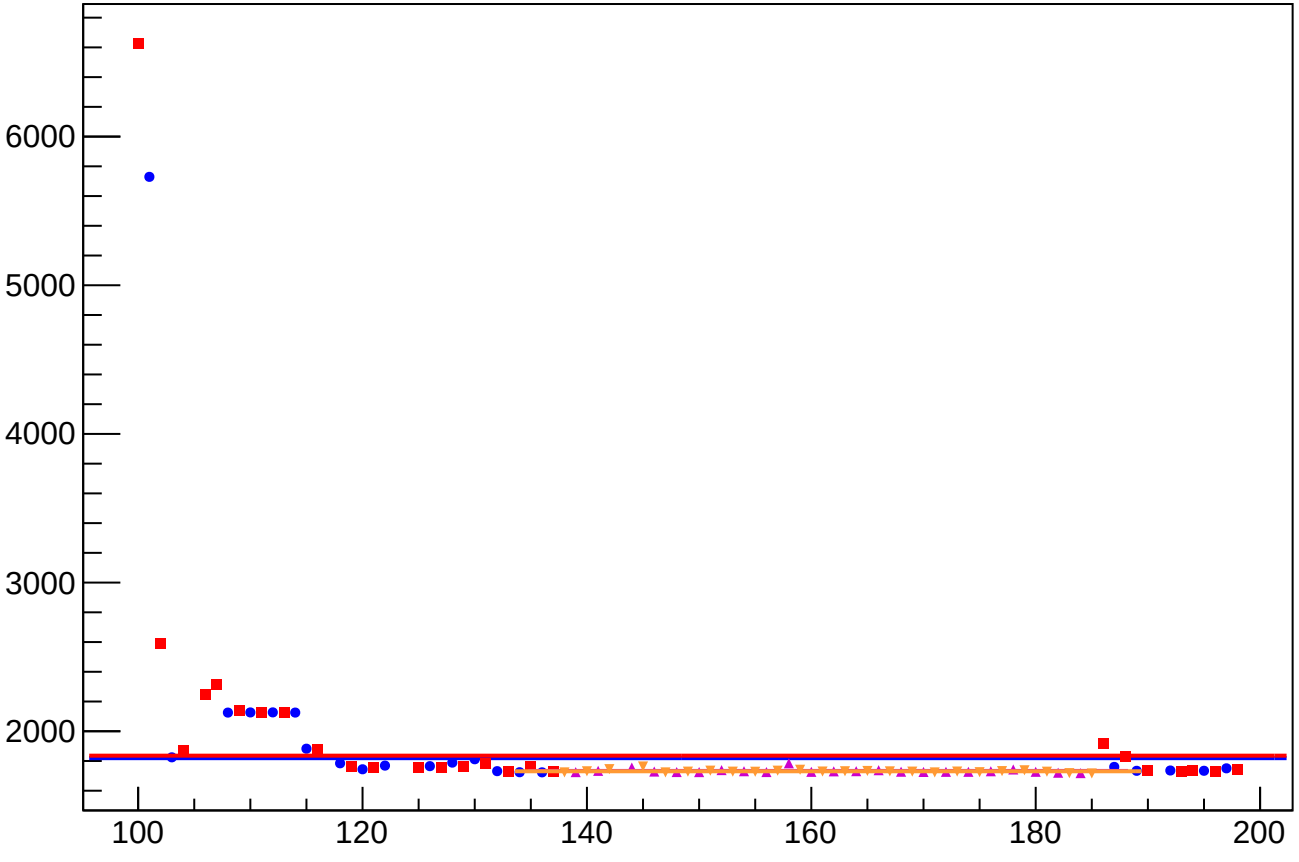
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 375.901+/-327.693 χ^2/NDF: 39.3/44

All: 27.885+/-229.323 χ^2/NDF: 90.6/92

- sign -306.126+/-321.032 χ^2/NDF: 49.0/47

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1818.901+/-0.401 χ^2/NDF: 696768.3/20

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

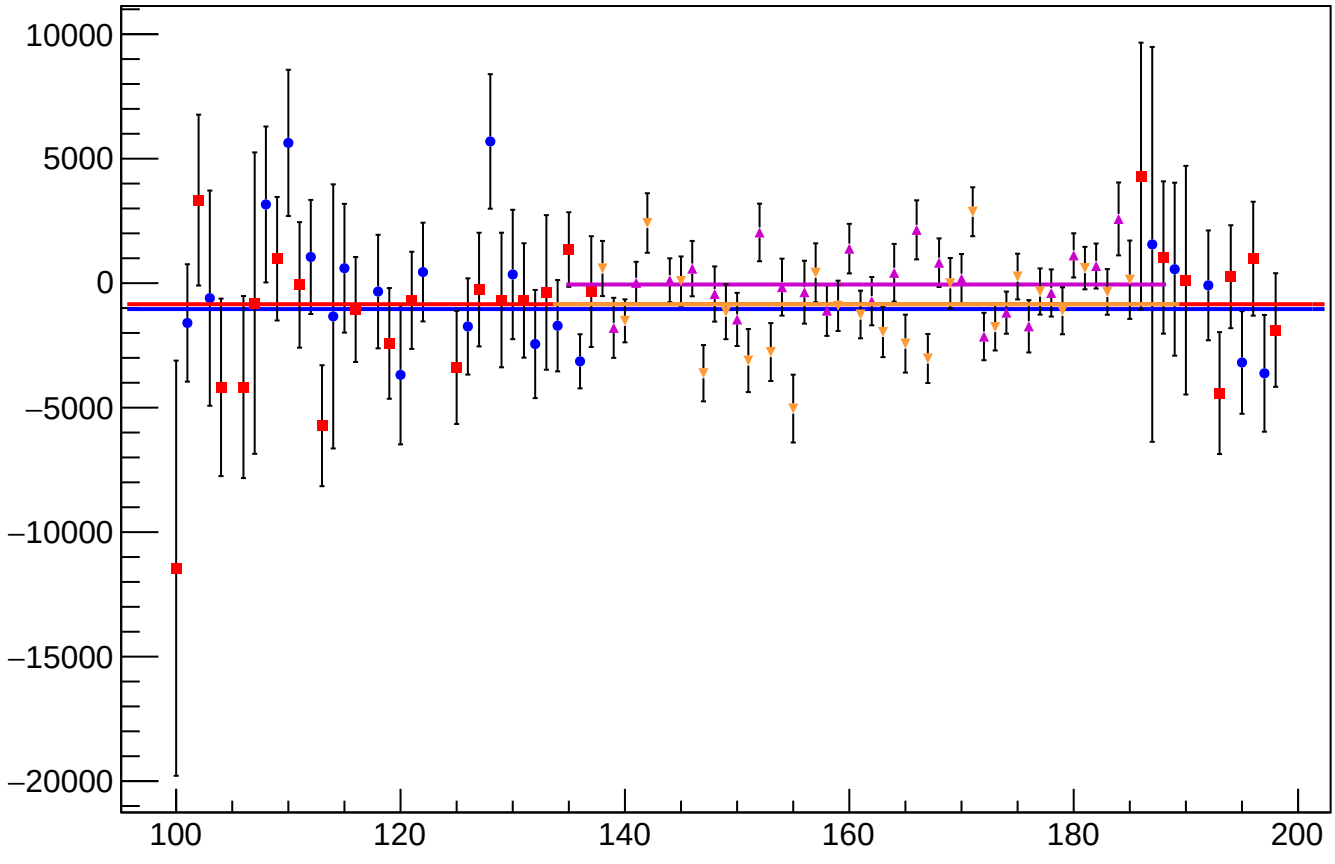
Right Out: 1835.787+/-0.373 χ^2/NDF: 300413.3/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.305+/-0.232 χ^2/NDF: 729886.7/44

All: 1765.808+/-0.162 χ^2/NDF: 1081455.3/92

- sign 1771.089+/-0.227 χ^2/NDF: 350463.2/47



Right In: -1040.874+/-498.113 χ^2/NDF: 23.5/20

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

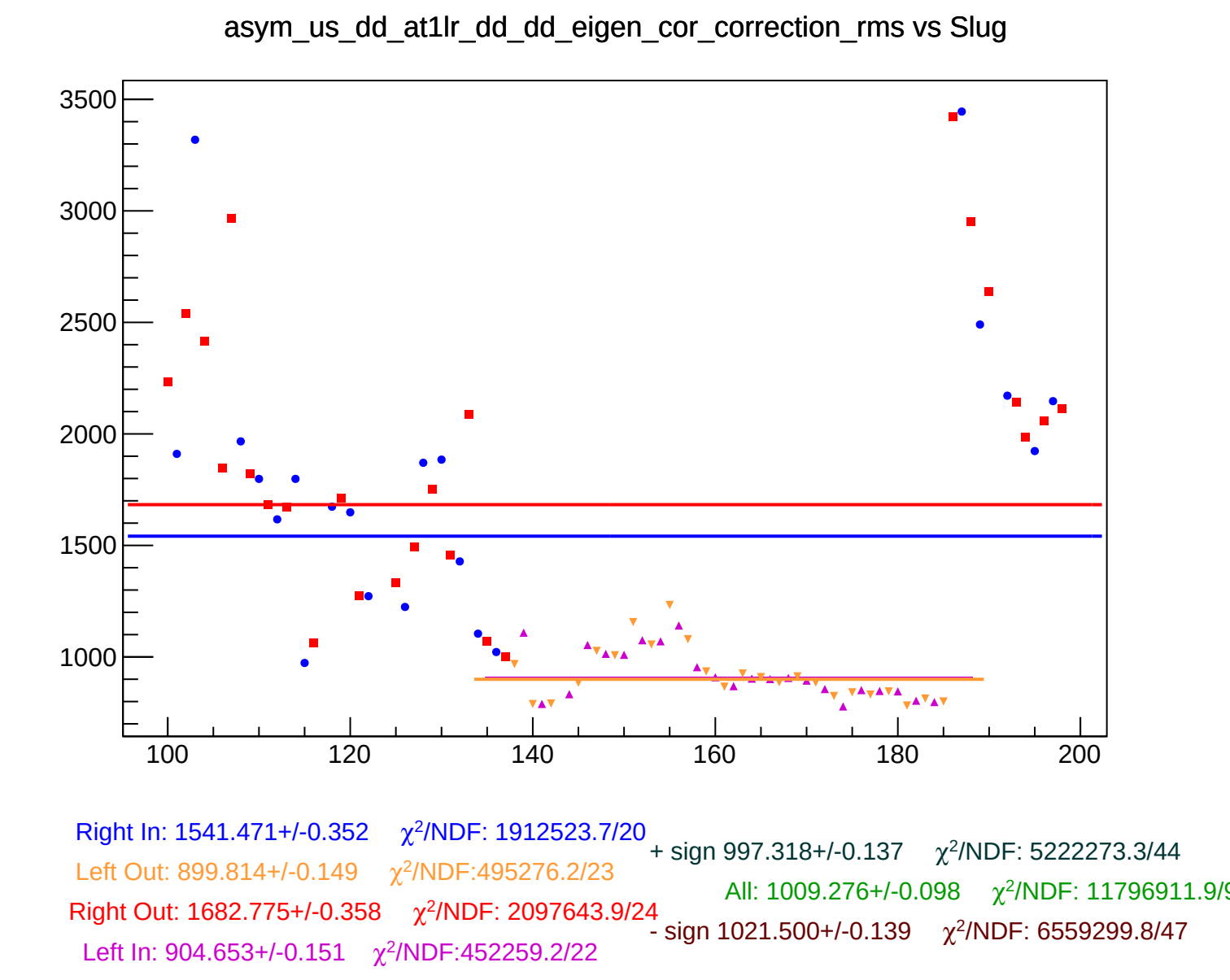
Right Out: -845.603+/-506.629 χ^2/NDF: 18.1/24

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

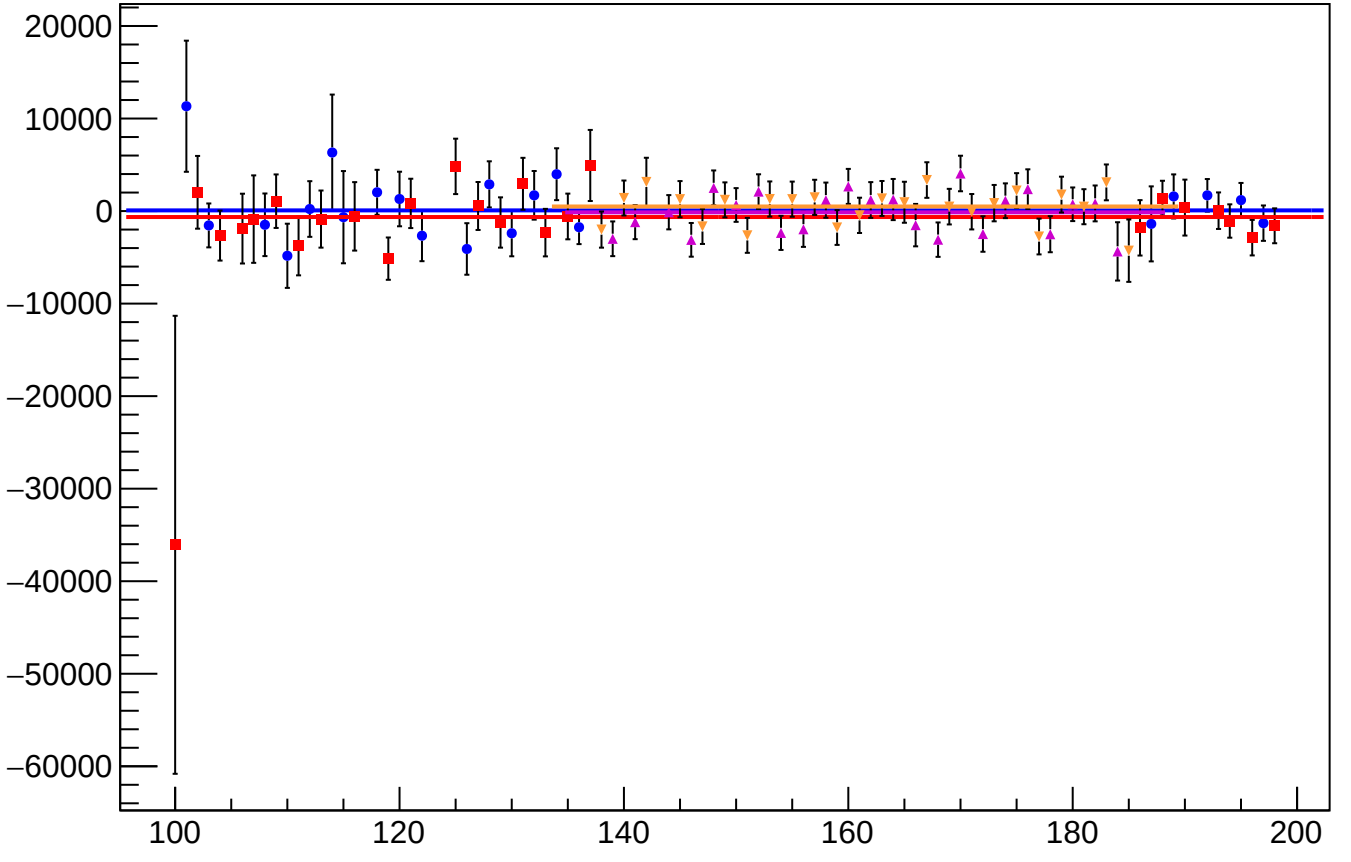
\+ sign -872.621+/-194.173 χ^2/NDF: 86.3/44

All: -526.573+/-138.056 χ^2/NDF: 143.6/92

\- sign -172.810+/-196.325 χ^2/NDF: 50.9/47


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1541.471+/-0.352 χ²/NDF: 1912523.7/20
Left Out: 899.814+/-0.149 χ²/NDF:495276.2/23
Right Out: 1682.775+/-0.358 χ²/NDF: 2097643.9/24
Left In: 904.653+/-0.151 χ²/NDF:452259.2/22
+ sign 997.318+/-0.137 χ²/NDF: 5222273.3/44
All: 1009.276+/-0.098 χ²/NDF: 11796911.9/9
- sign 1021.500+/-0.139 χ²/NDF: 6559299.8/47

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 73.736+/-567.279 χ^2/NDF: 18.1/20

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -644.553+/-528.672 χ^2/NDF: 19.7/24

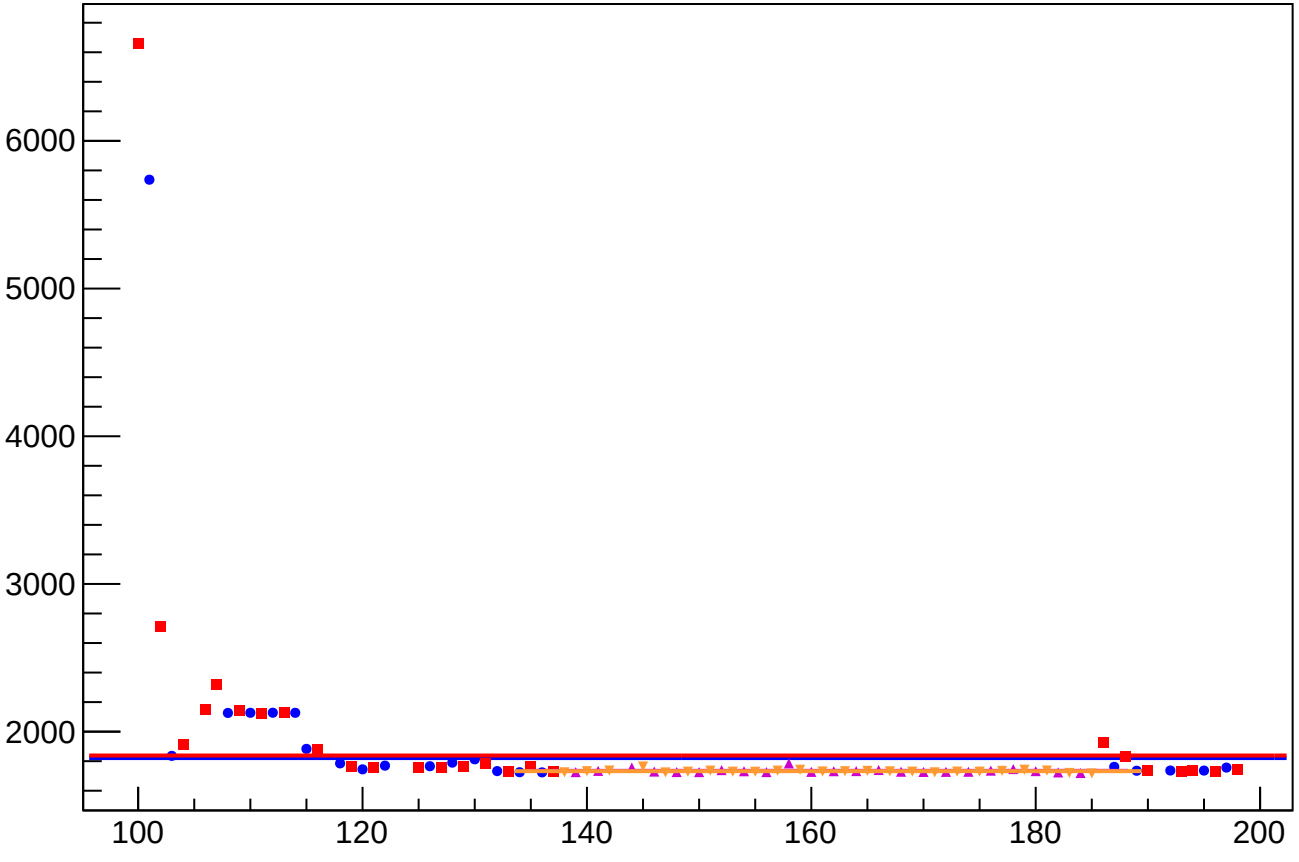
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 354.071+/-328.031 χ^2/NDF: 38.5/44

All: 7.807+/-229.609 χ^2/NDF: 90.6/92

- sign -324.806+/-321.500 χ^2/NDF: 49.8/47

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1821.038+/-0.401 χ^2/NDF: 696838.4/20

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

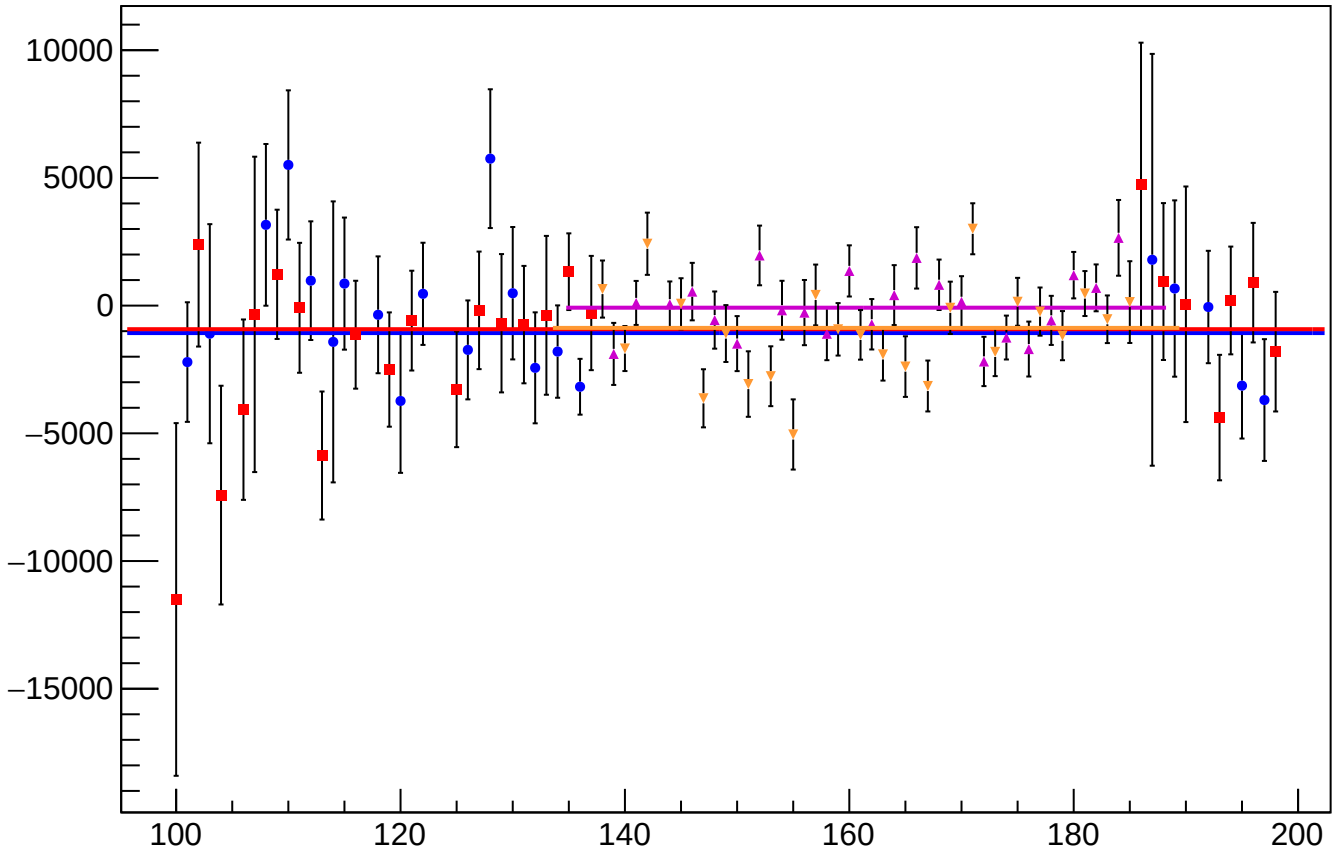
Right Out: 1838.433+/-0.374 χ^2/NDF: 310785.4/24

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1762.031+/-0.232 χ^2/NDF: 730259.2/44

All: 1767.615+/-0.162 χ^2/NDF: 1093044.4/92

- sign 1772.980+/-0.227 χ^2/NDF: 361648.9/47



Right In: -1075.041+/-499.311 χ^2/NDF: 23.9/20

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

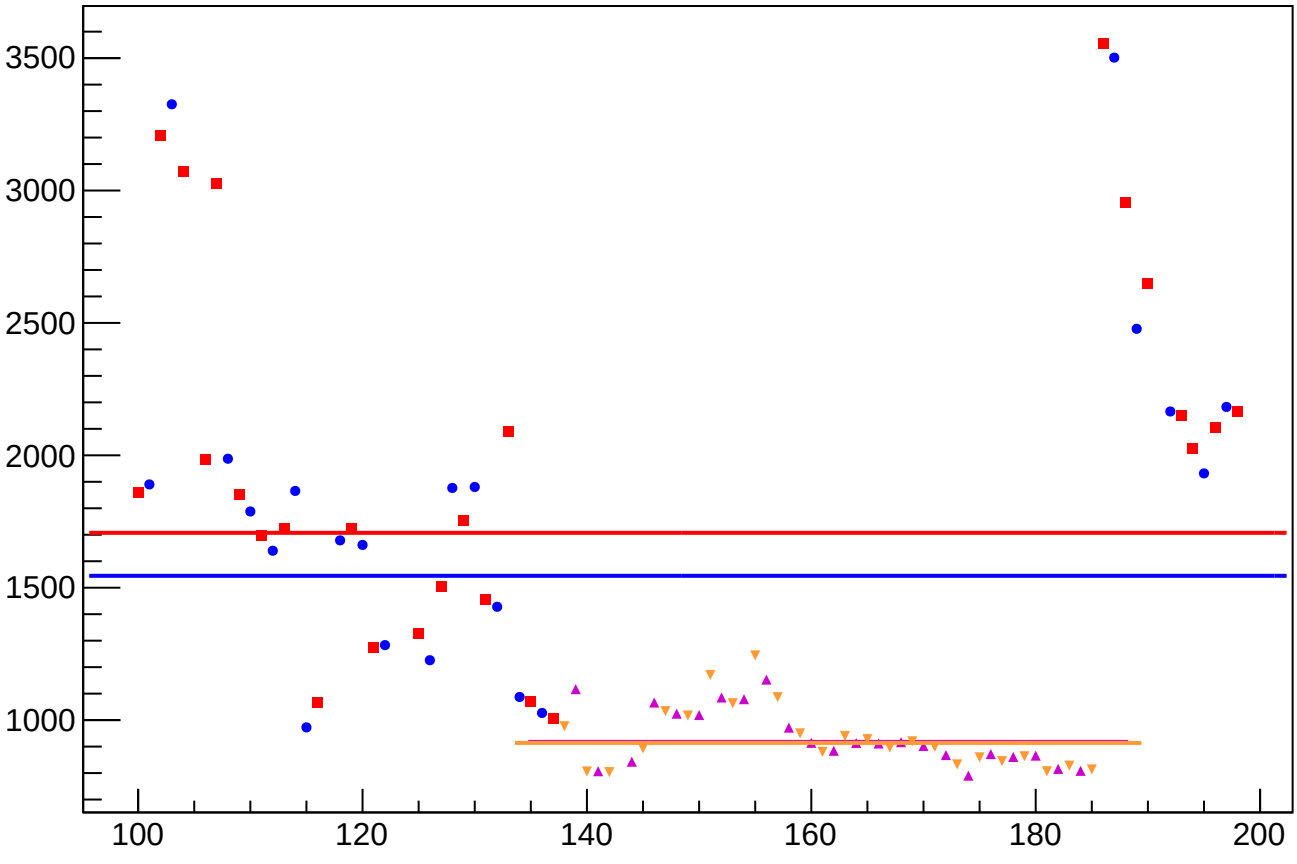
Right Out: -923.181+/-513.122 χ^2/NDF: 19.4/24

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

\+ sign -904.210+/-196.702 χ^2/NDF: 86.0/44

All: -560.233+/-139.899 χ^2/NDF: 143.9/92

\- sign -208.126+/-199.012 χ^2/NDF: 51.7/47



Right In: 1544.982+/-0.353 χ^2/NDF: 1930758.1/20

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1707.295+/-0.363 χ^2/NDF: 2441026.4/24

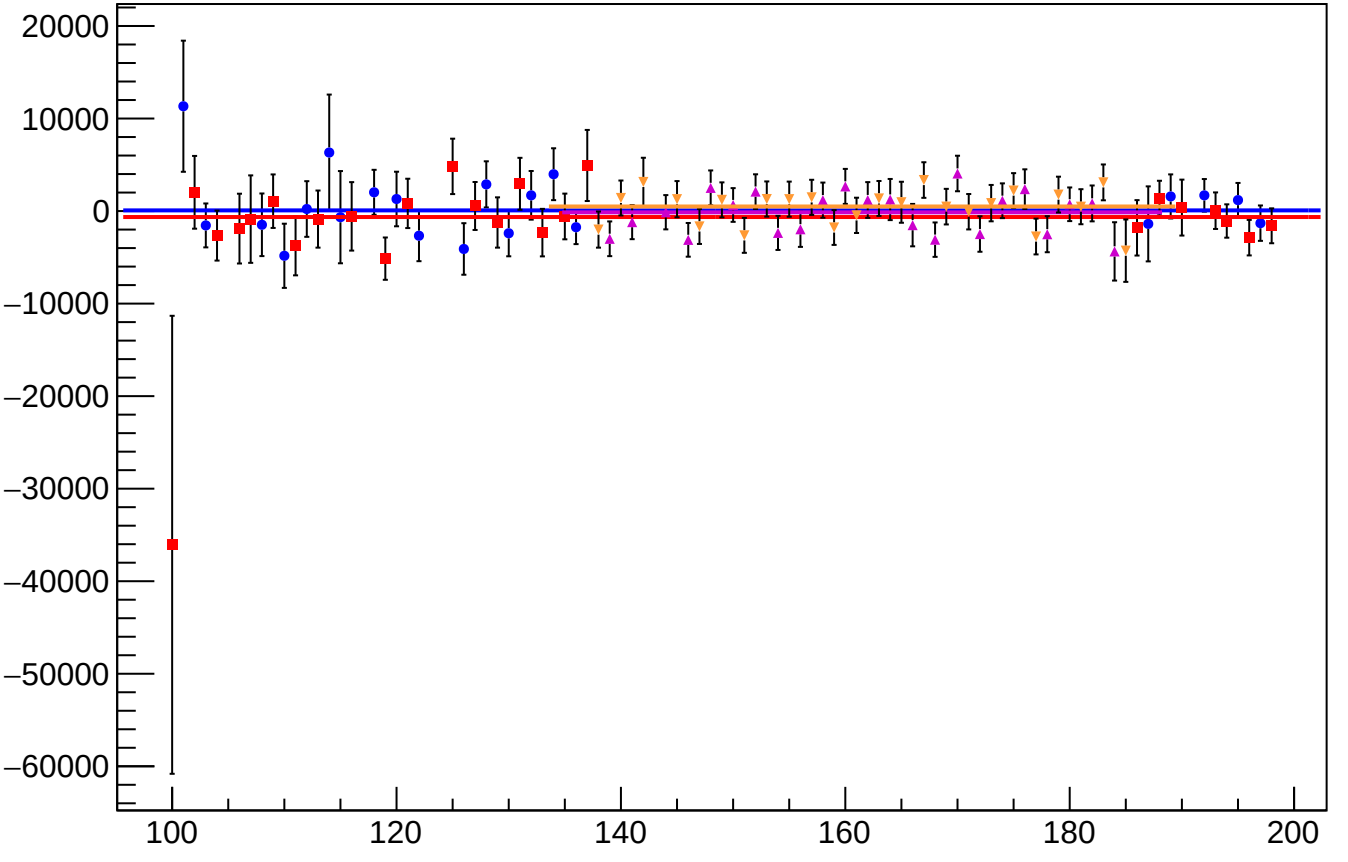
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1011.839+/-0.139 χ^2/NDF: 5092702.8/44

All: 1024.002+/-0.099 χ^2/NDF: 12003431.2/9

- sign 1036.453+/-0.141 χ^2/NDF: 6895252.7/47

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 73.738+/-567.279 χ^2/NDF: 18.1/20

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -644.552+/-528.672 χ^2/NDF: 19.7/24

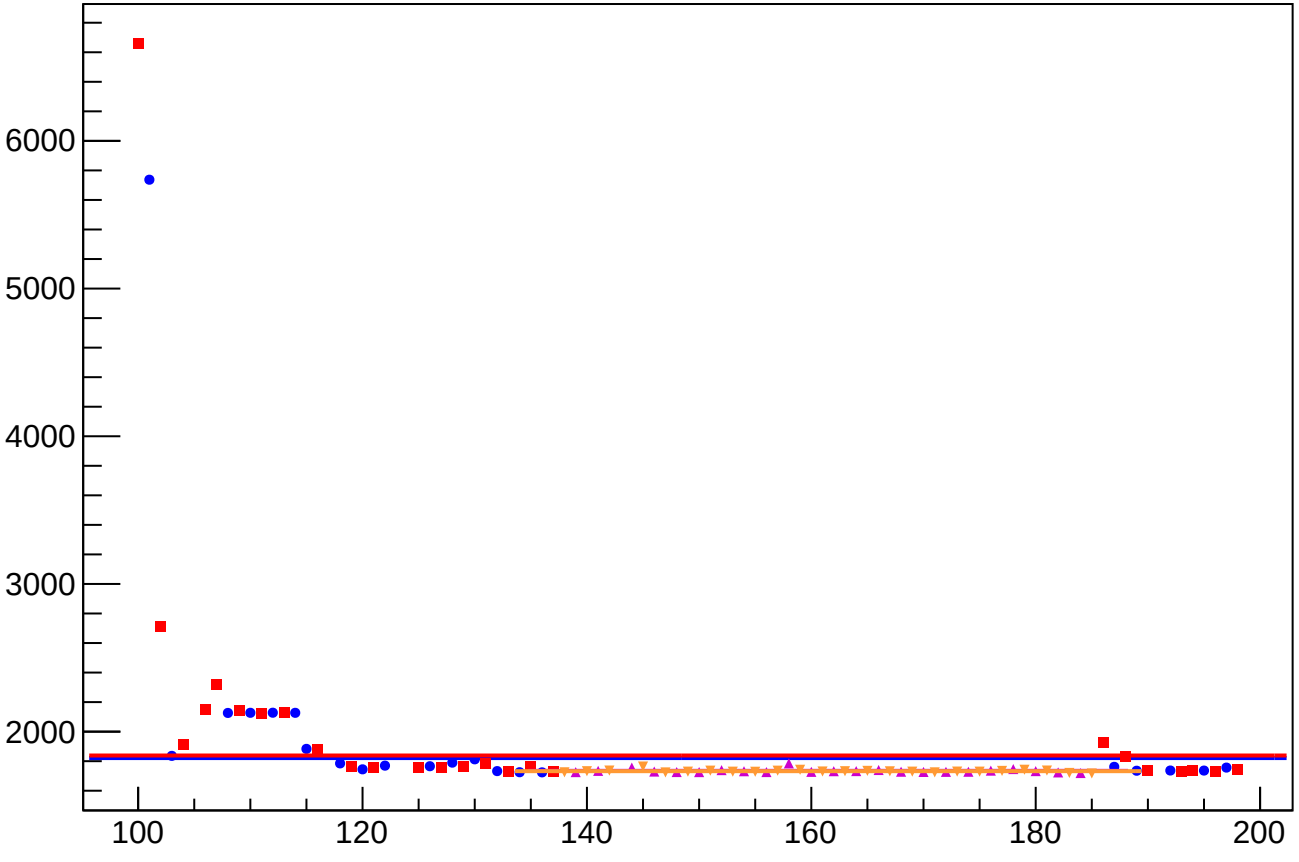
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 354.071+/-328.031 χ^2/NDF: 38.5/44

All: 7.808+/-229.609 χ^2/NDF: 90.6/92

- sign -324.806+/-321.500 χ^2/NDF: 49.8/47

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1821.038+/-0.401 χ^2/NDF: 696838.4/20

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

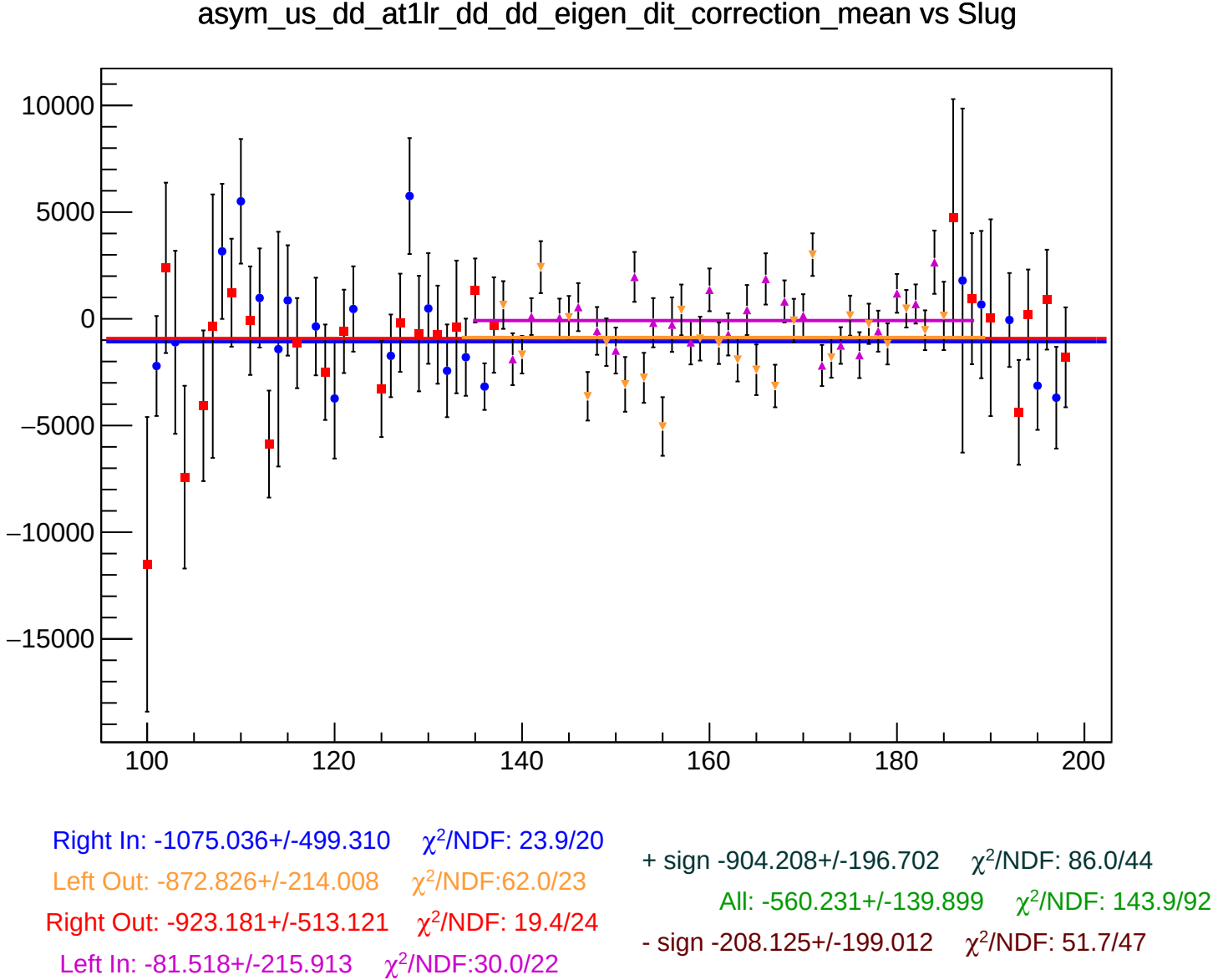
Right Out: 1838.433+/-0.374 χ^2/NDF: 310785.2/24

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1762.031+/-0.232 χ^2/NDF: 730259.1/44

All: 1767.615+/-0.162 χ^2/NDF: 1093044.1/92

- sign 1772.980+/-0.227 χ^2/NDF: 361648.6/47


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
10000
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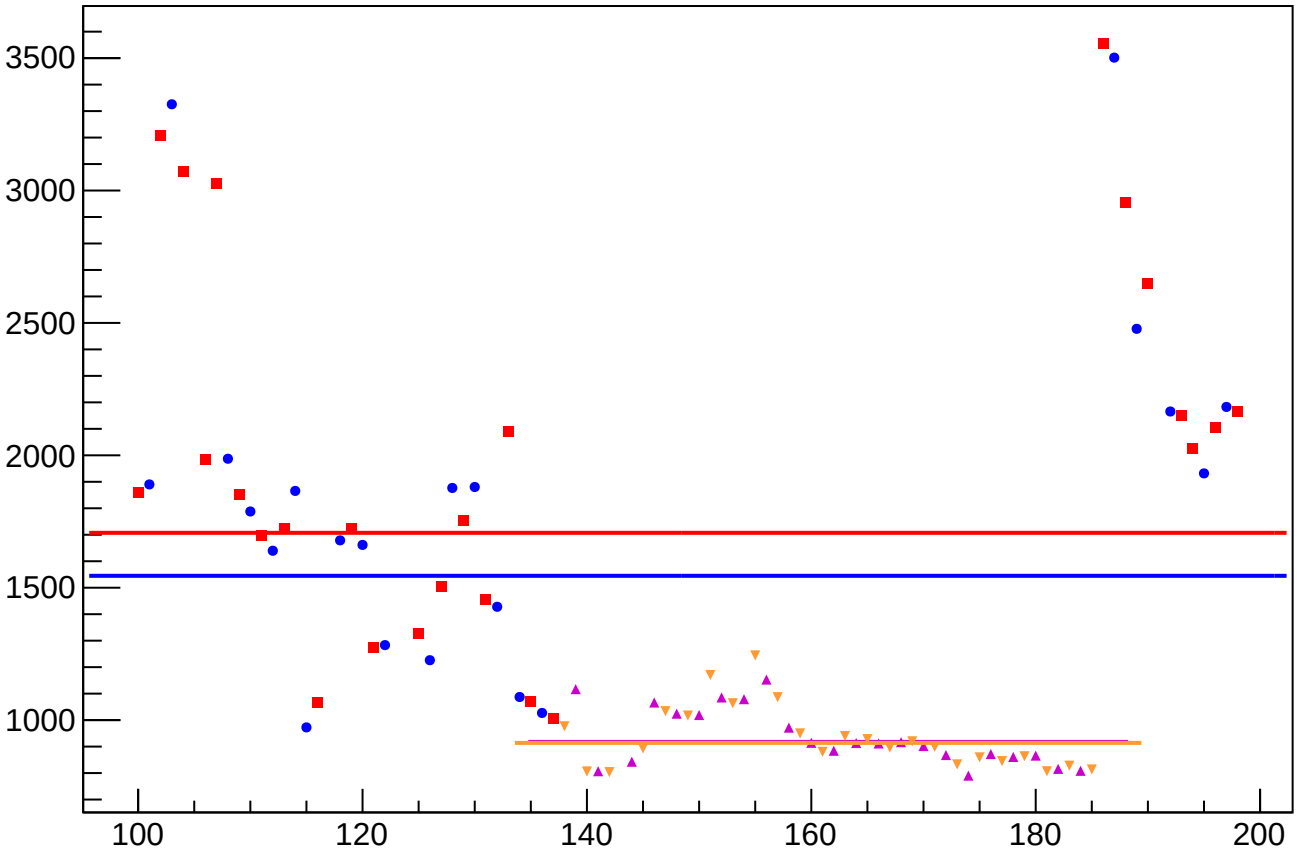
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1075.036+/-499.310 χ²/NDF: 23.9/20
Left Out: -872.826+/-214.008 χ²/NDF:62.0/23
Right Out: -923.181+/-513.121 χ²/NDF: 19.4/24
Left In: -81.518+/-215.913 χ²/NDF:30.0/22
+ sign -904.208+/-196.702 χ²/NDF: 86.0/44
All: -560.231+/-139.899 χ²/NDF: 143.9/92
- sign -208.125+/-199.012 χ²/NDF: 51.7/47



Right In: 1544.978+/-0.353 χ^2/NDF: 1930760.0/20

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

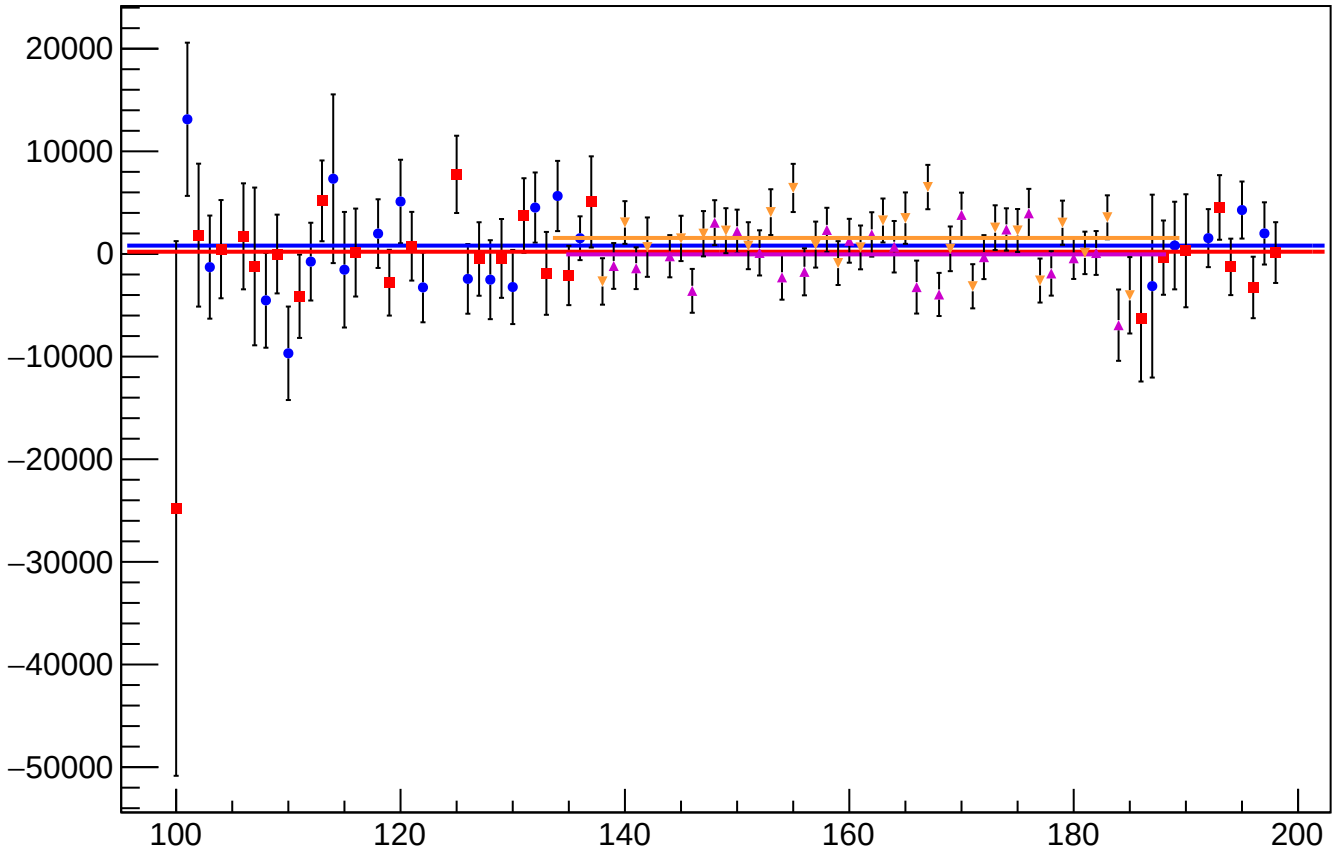
Right Out: 1707.293+/-0.363 χ^2/NDF: 2441033.2/24

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1011.838+/-0.139 χ^2/NDF: 5092696.7/44

All: 1024.001+/-0.099 χ^2/NDF: 12003430.1/9

- sign 1036.452+/-0.141 χ^2/NDF: 6895257.8/47



Right In: 814.245+/-801.185 χ^2/NDF: 21.3/20

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 219.096+/-773.164 χ^2/NDF: 16.5/24

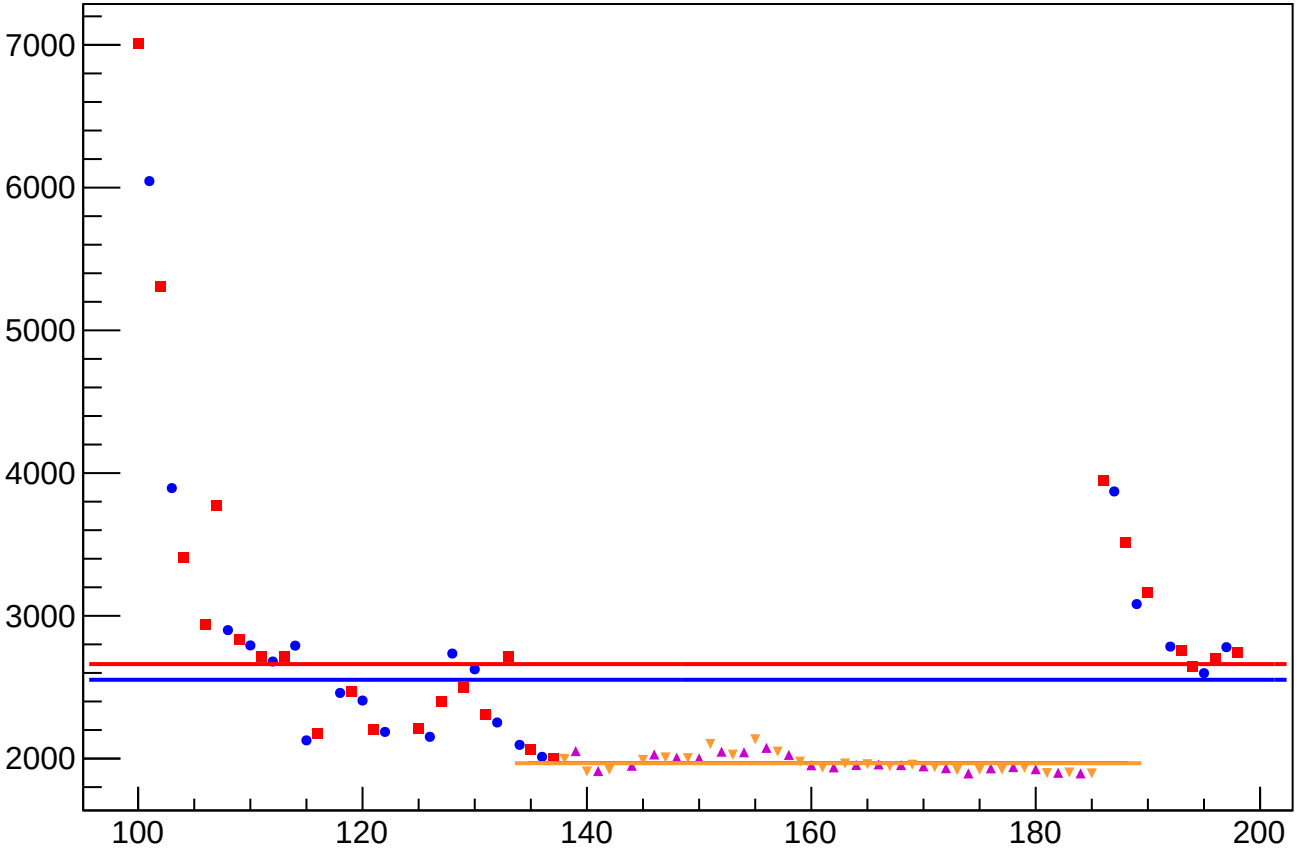
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1378.020+/-396.885 χ^2/NDF: 53.2/44

All: 700.185+/-280.072 χ^2/NDF: 103.5/92

- sign 27.808+/-395.284 χ^2/NDF: 44.4/47

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2552.075+/-0.567 χ^2/NDF: 952845.3/20

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

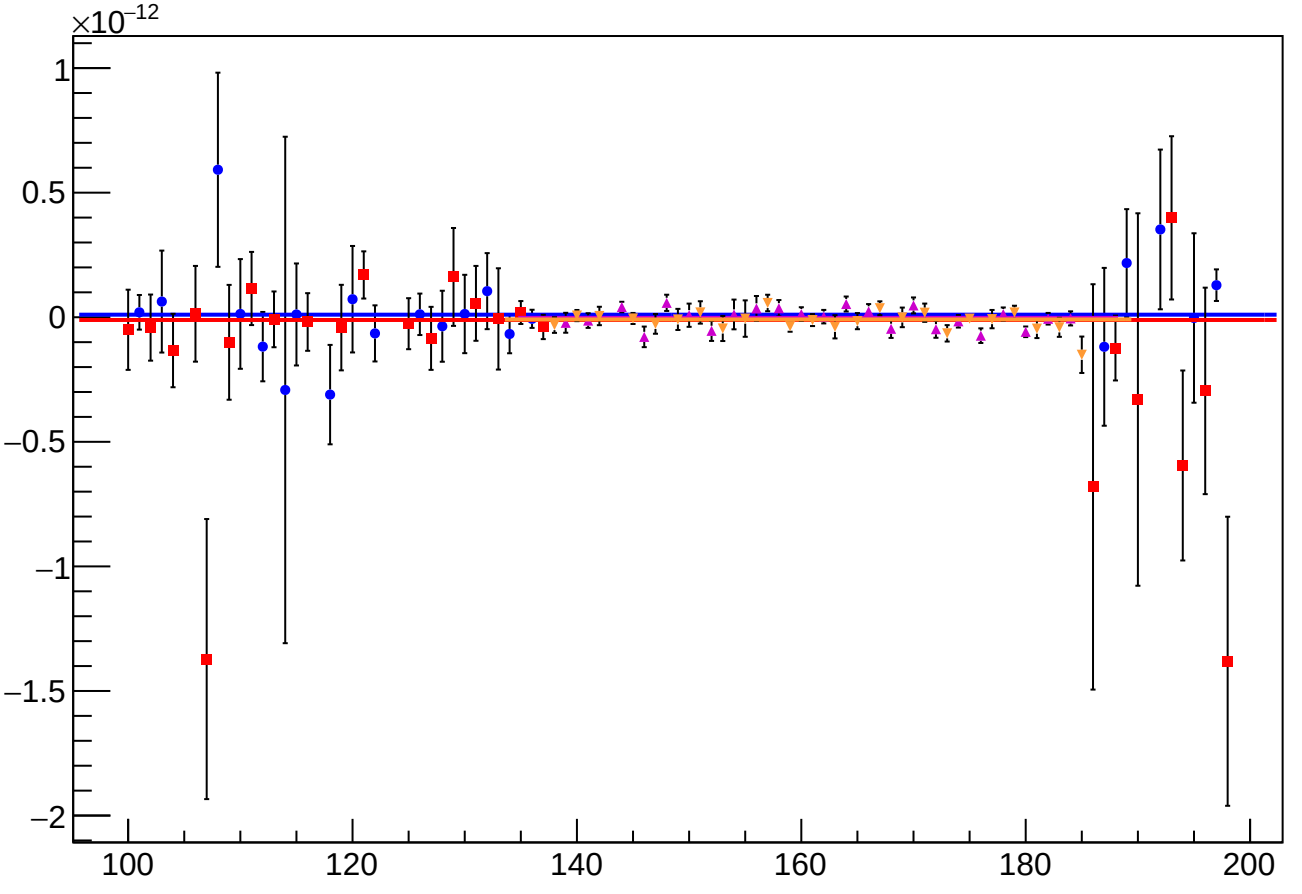
Right Out: 2661.899+/-0.547 χ^2/NDF: 926021.5/24

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2110.888+/-0.281 χ^2/NDF: 1790756.3/44

All: 2130.587+/-0.198 χ^2/NDF: 3939486.8/92

- sign 2150.128+/-0.280 χ^2/NDF: 2138915.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

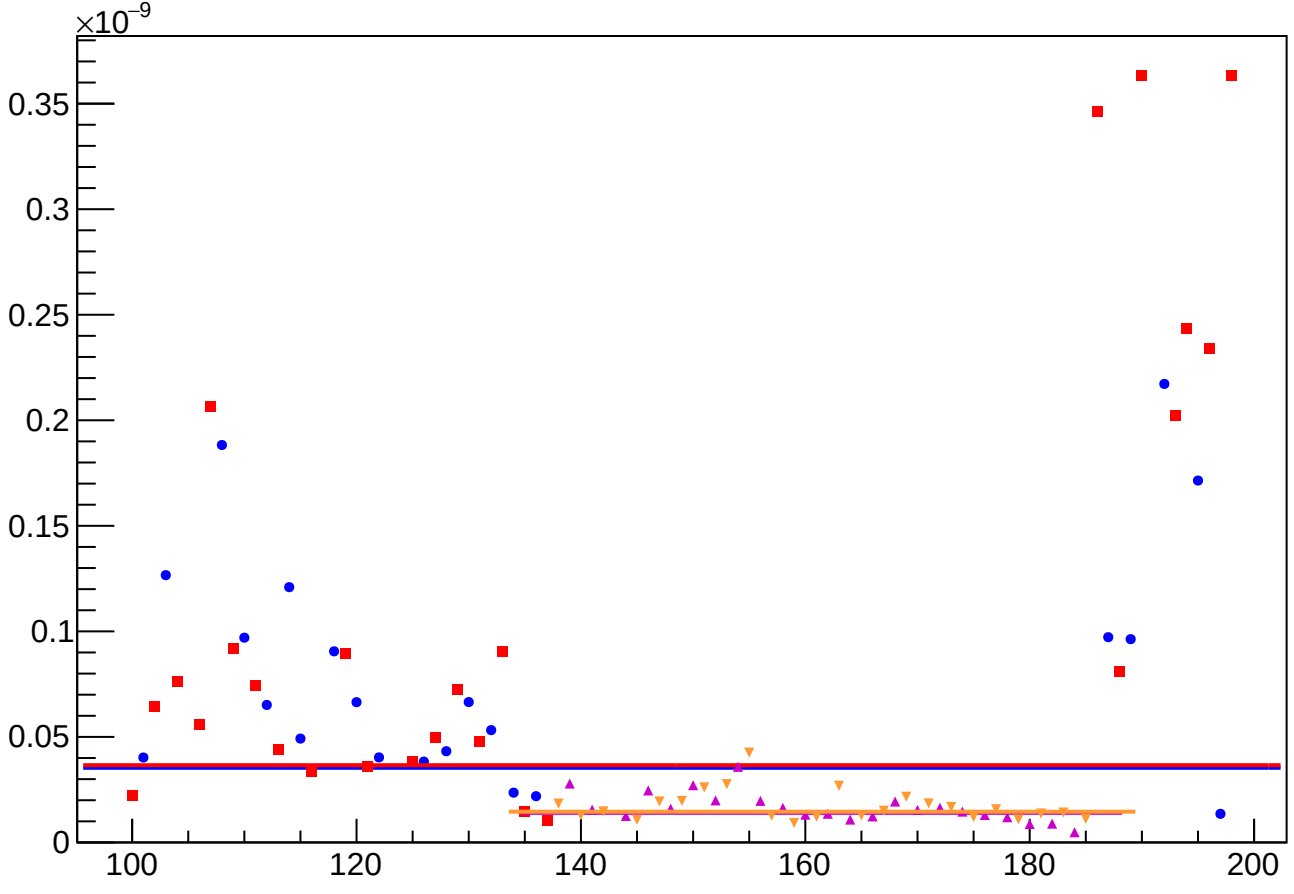
Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/24

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/44

All: -0.000+/-0.000 χ^2/NDF: 99.4/92

- sign -0.000+/-0.000 χ^2/NDF: 64.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 3056477.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

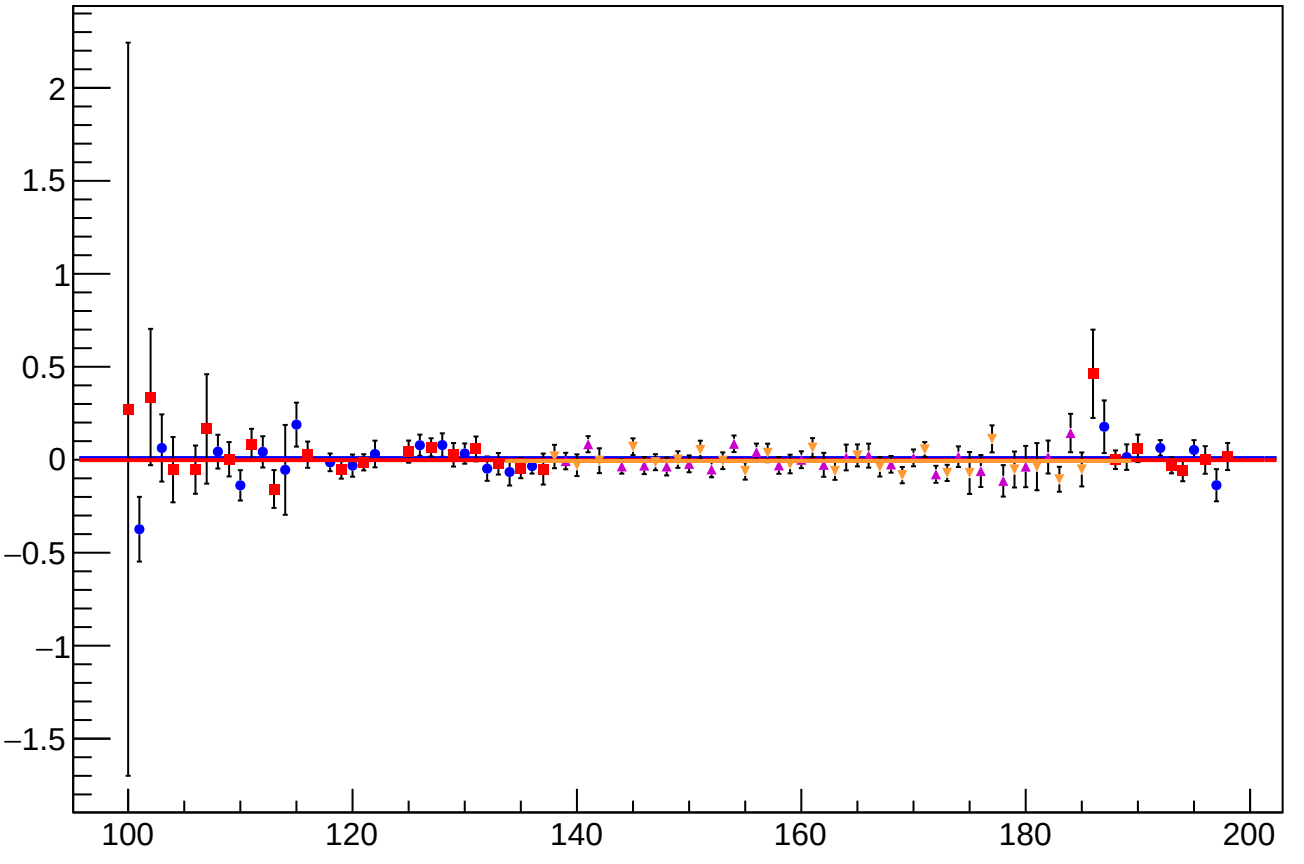
Right Out: 0.000+/-0.000 χ^2/NDF: 5255362.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5802320.7/44

All: 0.000+/-0.000 χ^2/NDF: 14185418.6/92

- sign 0.000+/-0.000 χ^2/NDF: 8372506.0/47



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.014 χ^2/NDF: 17.0/24

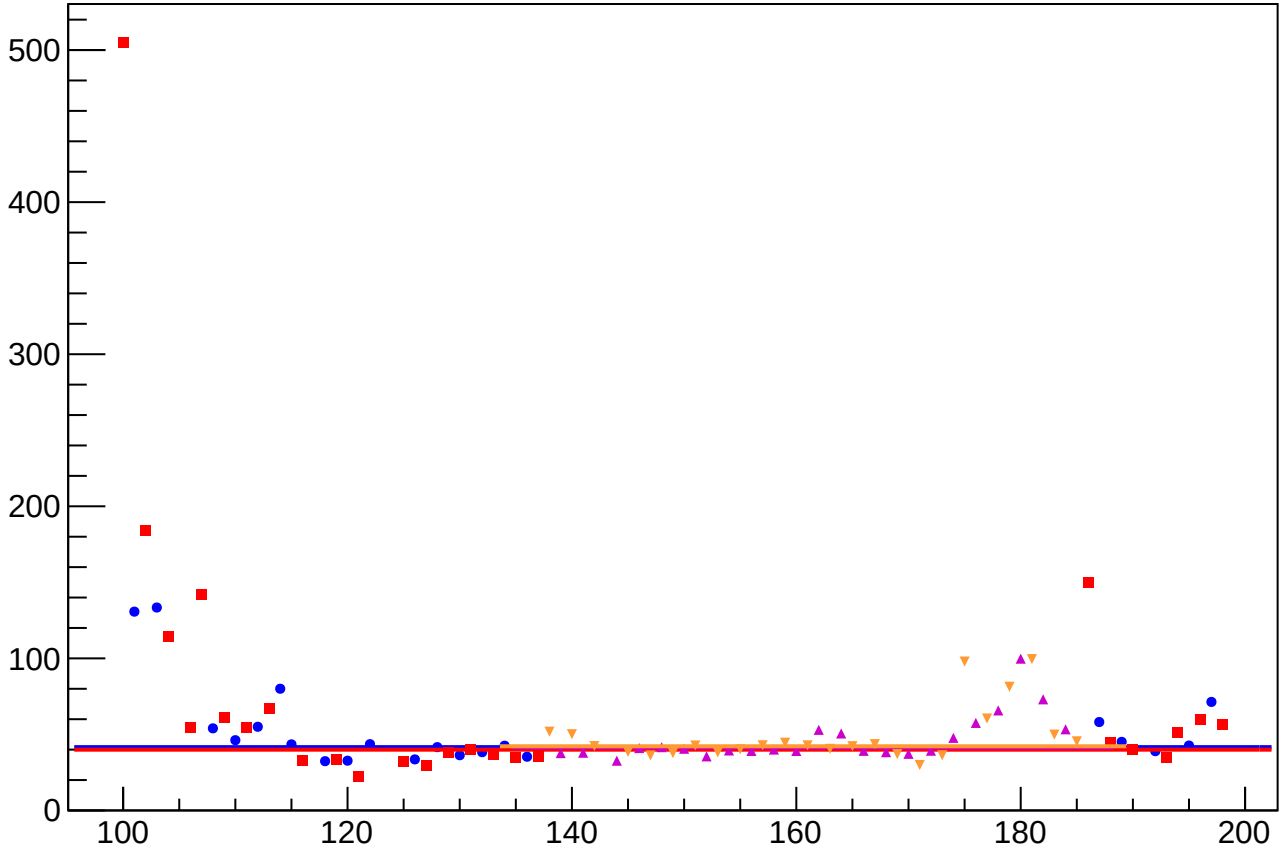
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 48.8/44

All: -0.003+/-0.006 χ^2/NDF: 86.0/92

- sign -0.005+/-0.008 χ^2/NDF: 37.1/47

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.640+/-0.010 χ^2/NDF: 1699061.5/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

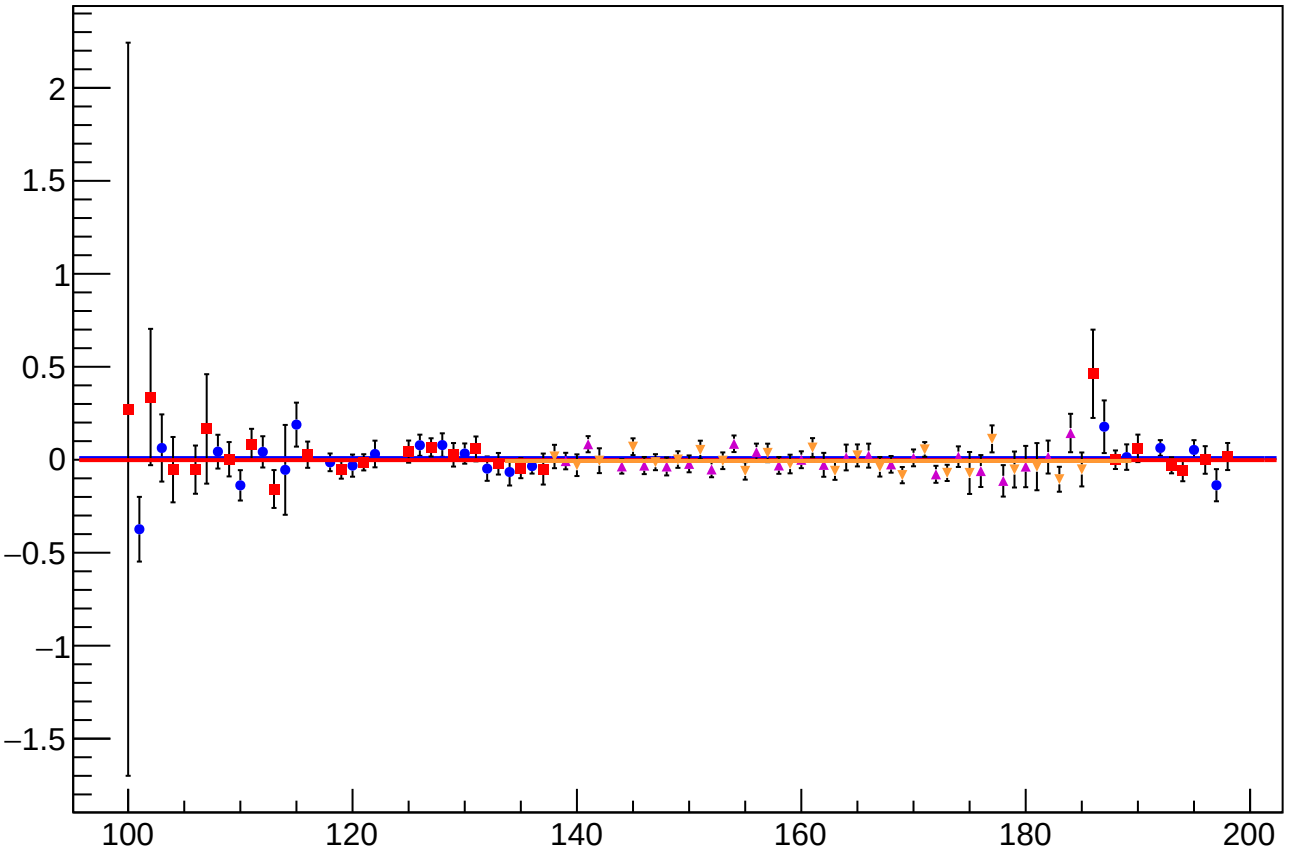
Right Out: 39.964+/-0.010 χ^2/NDF: 2703101.6/24

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 42.003+/-0.006 χ^2/NDF: 3520386.2/44

All: 41.412+/-0.004 χ^2/NDF: 7667559.6/92

- sign 40.860+/-0.006 χ^2/NDF: 4129428.8/47



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

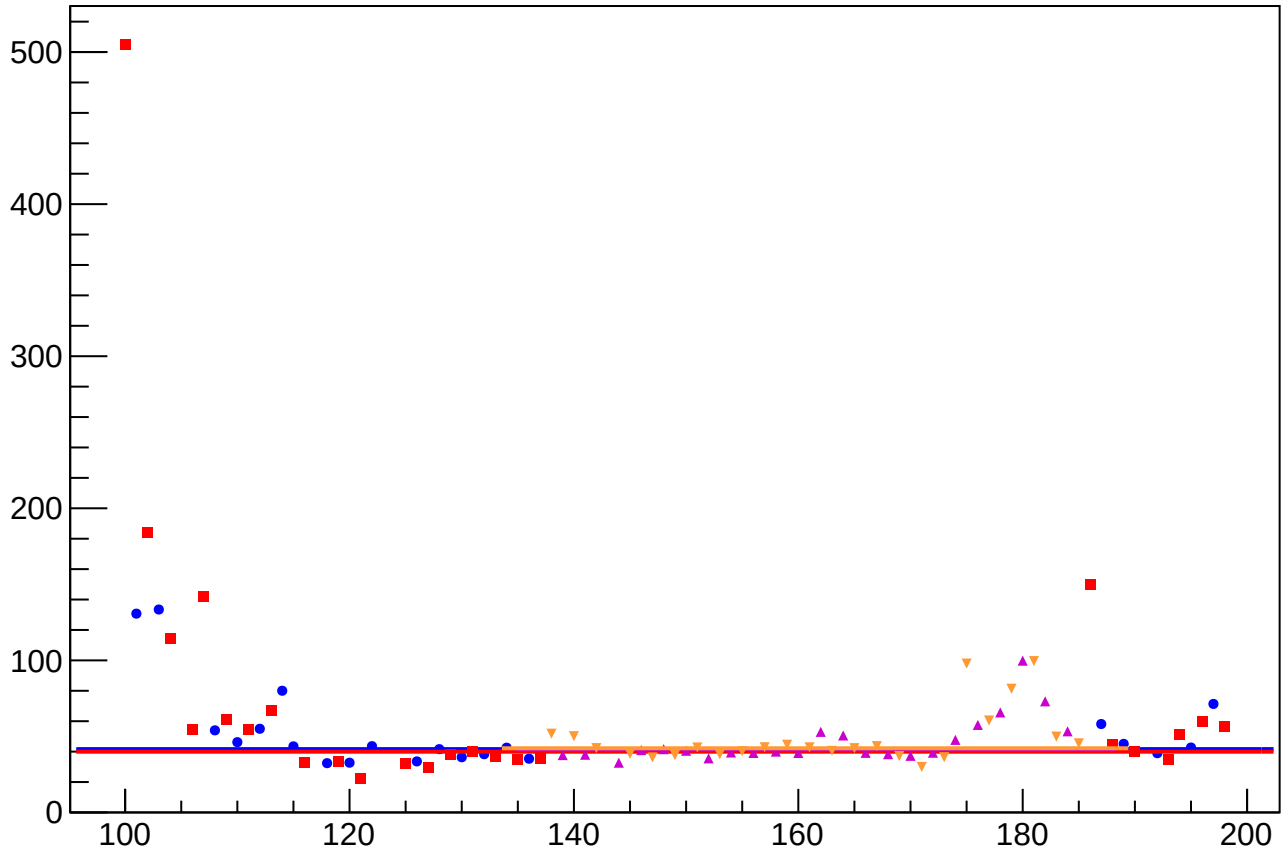
Right Out: -0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 48.8/44

All: -0.003+/-0.006 χ^2/NDF: 86.0/92

- sign -0.005+/-0.008 χ^2/NDF: 37.1/47



Right In: 41.640+/-0.010 χ^2/NDF: 1699061.5/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

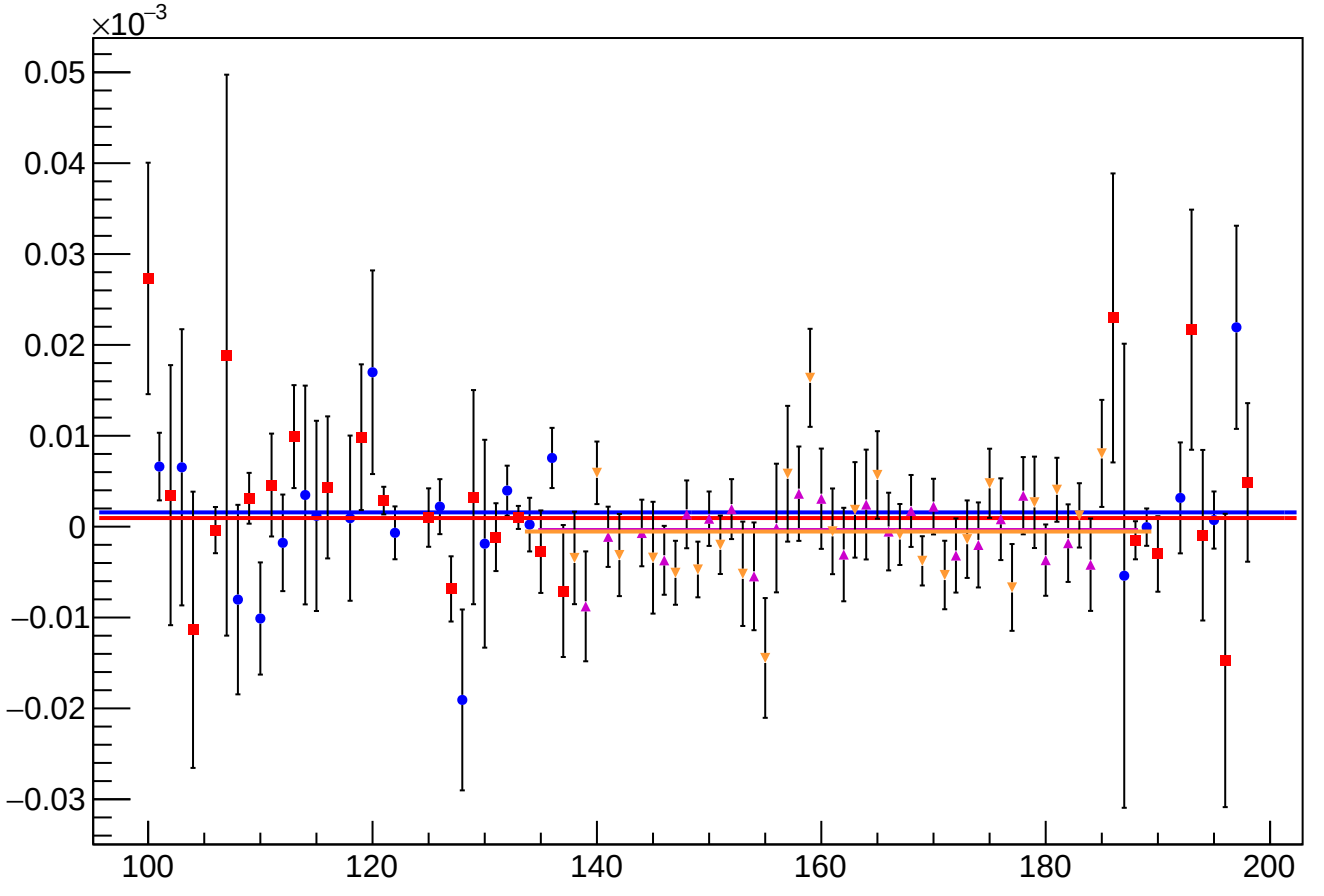
Right Out: 39.964+/-0.010 χ^2/NDF: 2703101.6/24

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 42.003+/-0.006 χ^2/NDF: 3520386.2/44

All: 41.412+/-0.004 χ^2/NDF: 7667559.6/92

- sign 40.860+/-0.006 χ^2/NDF: 4129428.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

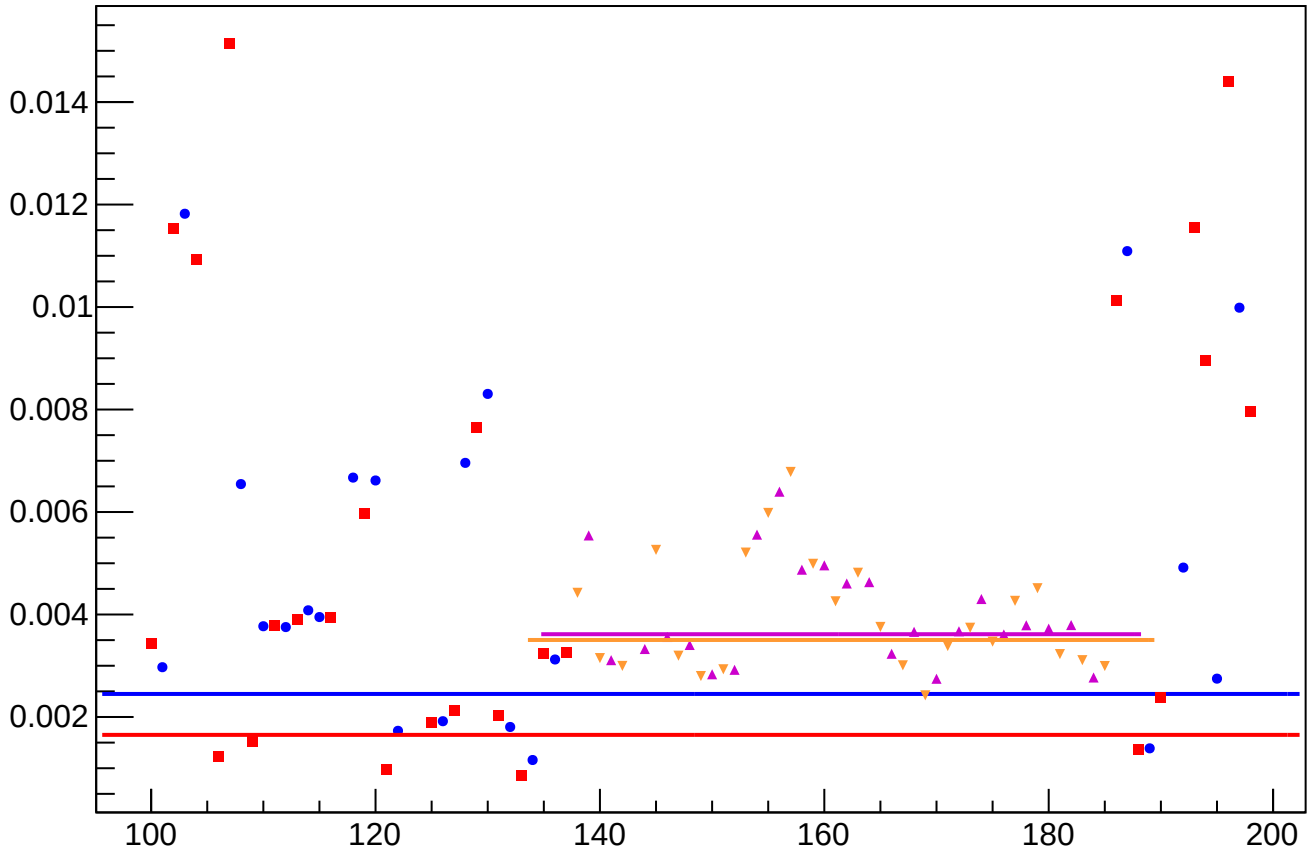
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/24

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.8/44

All: 0.000+/-0.000 χ^2/NDF: 99.8/92

- sign 0.000+/-0.000 χ^2/NDF: 38.0/47



Right In: 0.002+/-0.000 χ^2/NDF: 5815411.7/20

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

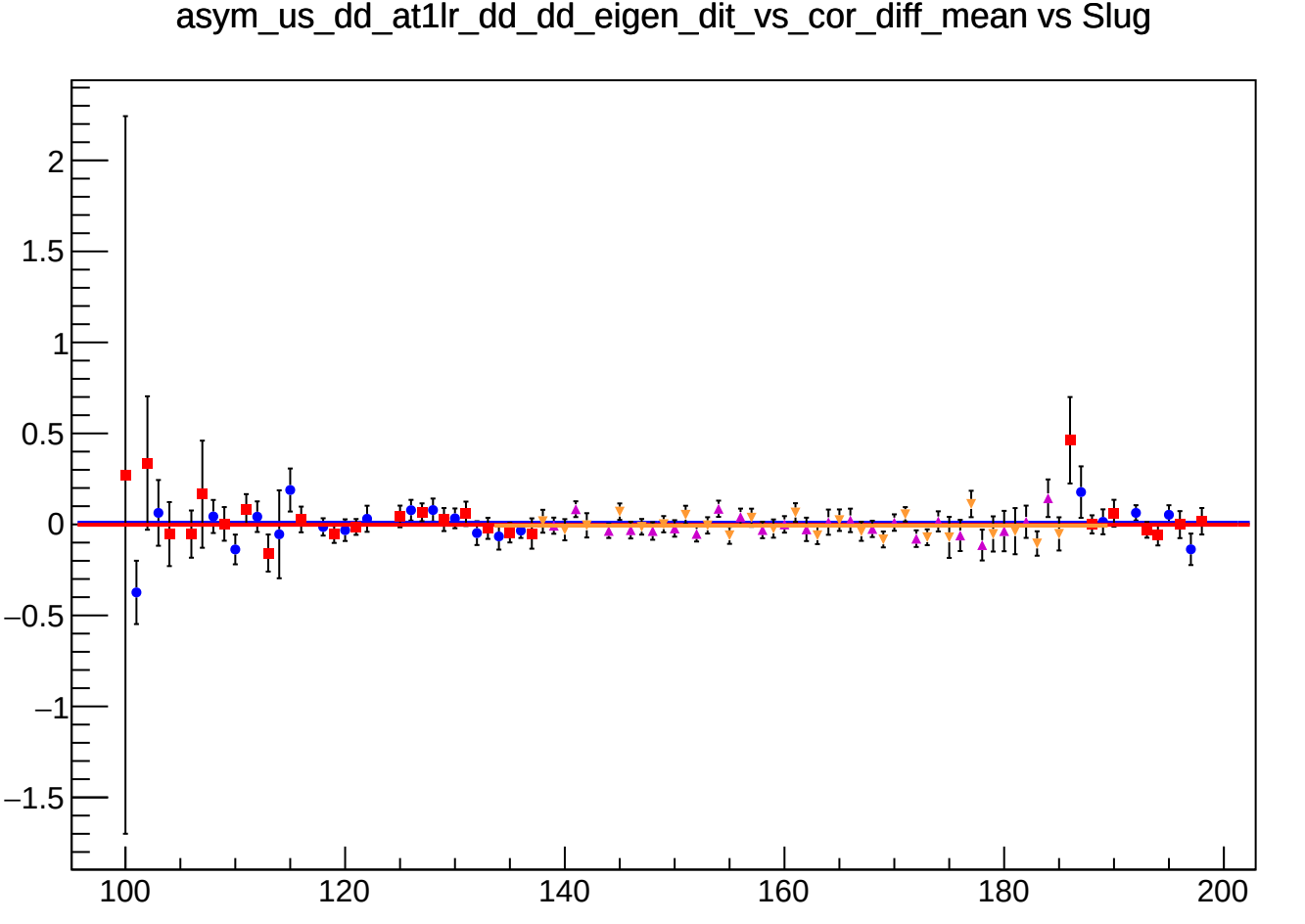
Right Out: 0.002+/-0.000 χ^2/NDF: 10956366.9/24

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 9403279.7/44

All: 0.003+/-0.000 χ^2/NDF: 29389873.9/92

- sign 0.002+/-0.000 χ^2/NDF: 18860694.6/47



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

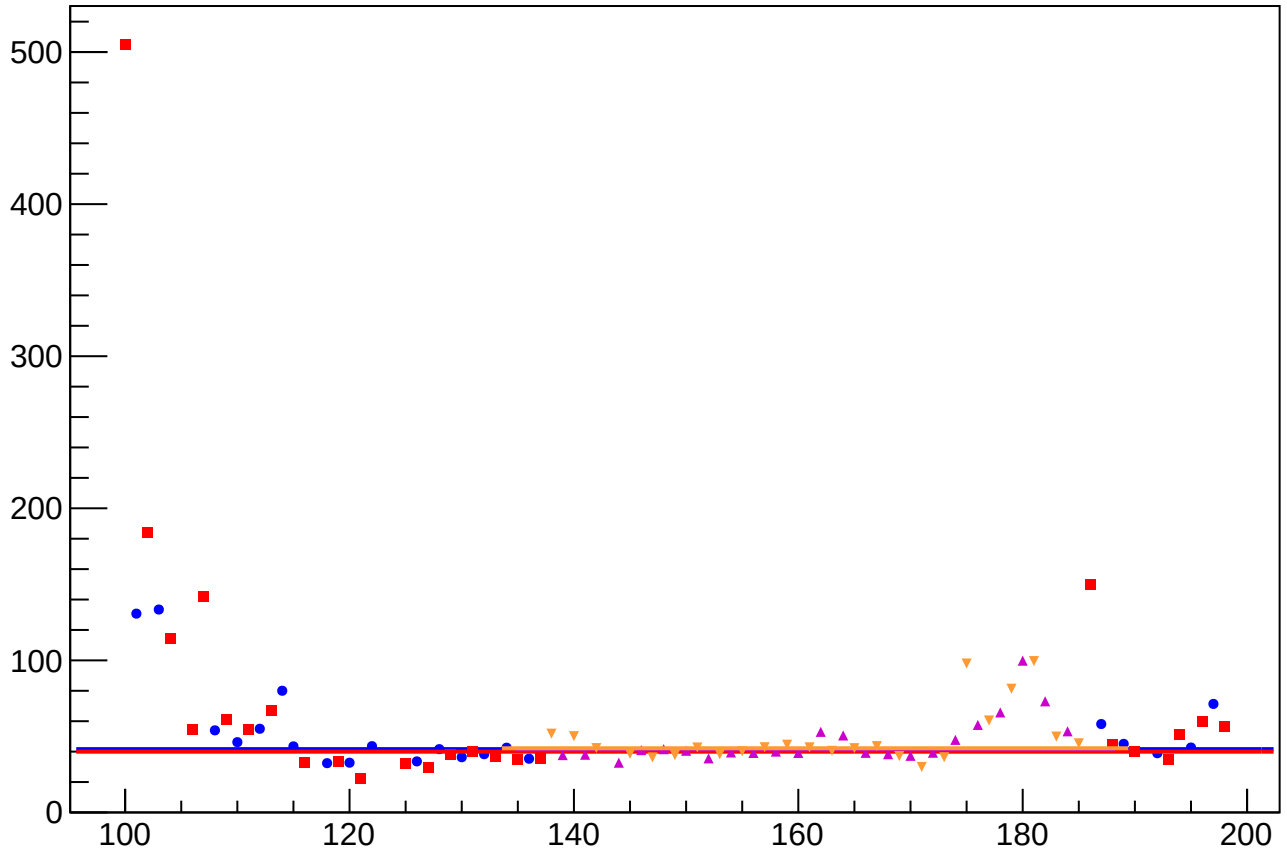
Right Out: -0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 48.8/44

All: -0.003+/-0.006 χ^2/NDF: 86.0/92

- sign -0.005+/-0.008 χ^2/NDF: 37.1/47



Right In: 41.641+/-0.010 χ^2/NDF: 1698943.4/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

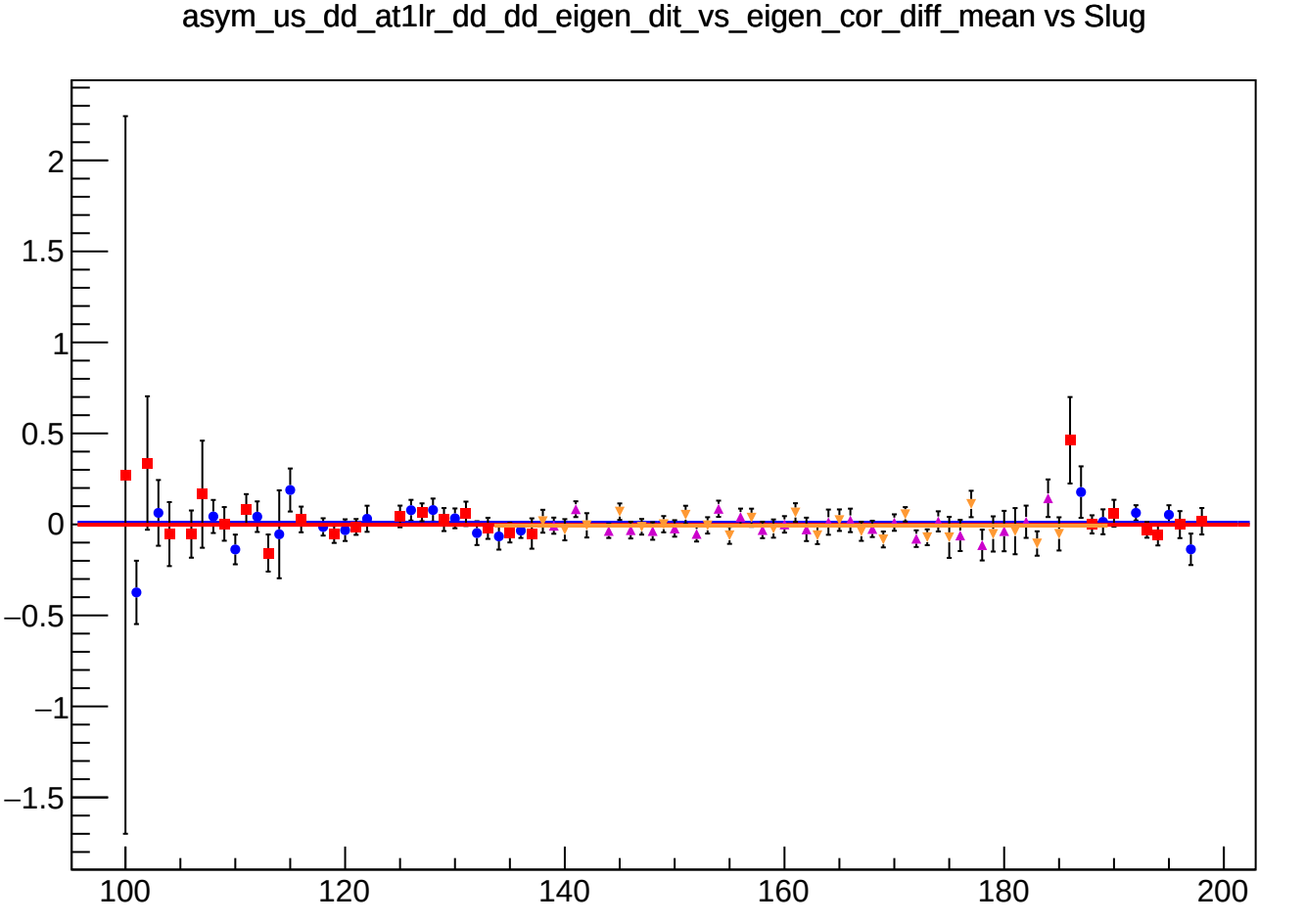
Right Out: 39.963+/-0.010 χ^2/NDF: 2703209.9/24

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 42.003+/-0.006 χ^2/NDF: 3520268.4/44

All: 41.411+/-0.004 χ^2/NDF: 7667516.0/92

- sign 40.860+/-0.006 χ^2/NDF: 4129486.8/47



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

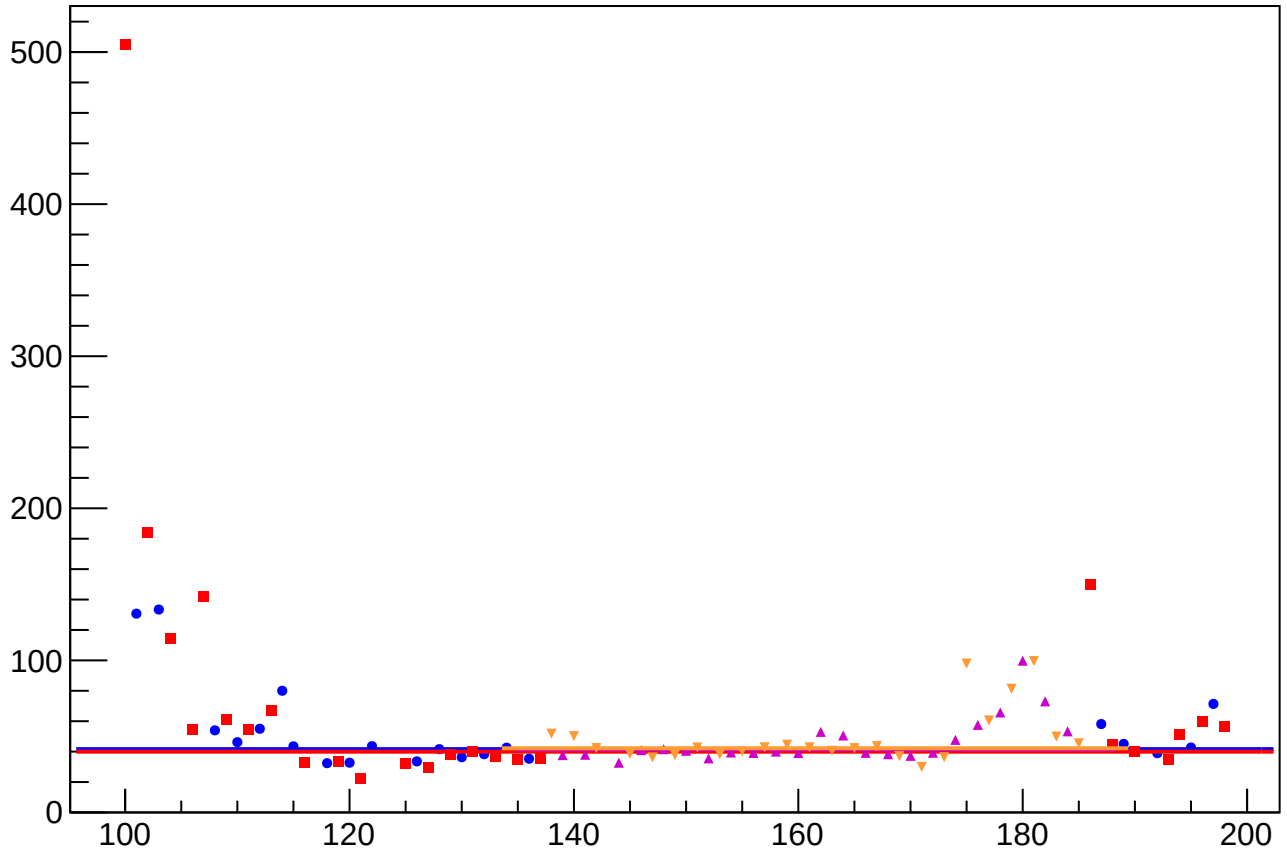
Right Out: -0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 48.8/44

All: -0.003+/-0.006 χ^2/NDF: 86.0/92

- sign -0.005+/-0.008 χ^2/NDF: 37.1/47



Right In: 41.641+/-0.010 χ^2/NDF: 1698943.4/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

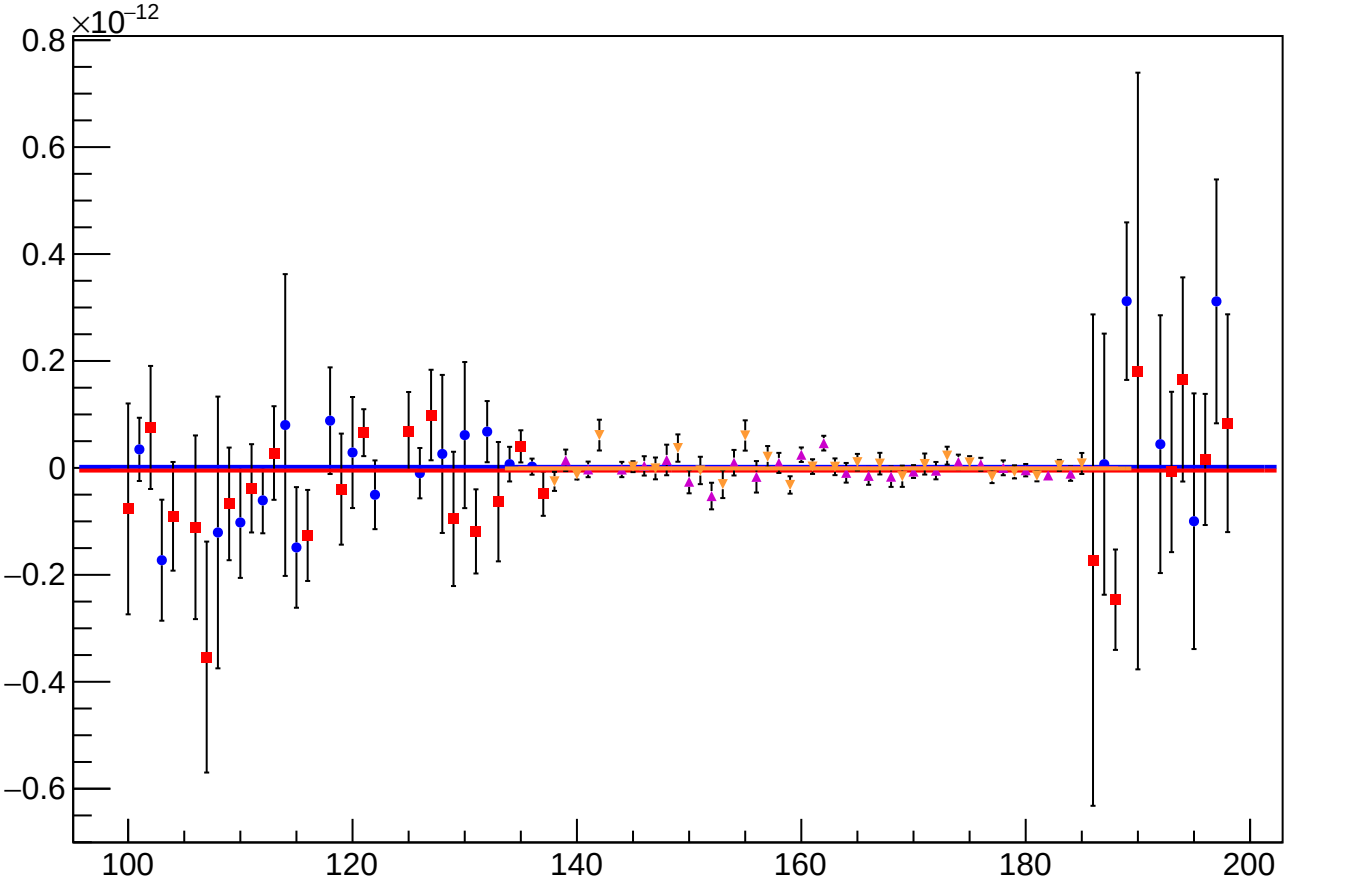
Right Out: 39.963+/-0.010 χ^2/NDF: 2703209.9/24

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 42.003+/-0.006 χ^2/NDF: 3520268.4/44

All: 41.411+/-0.004 χ^2/NDF: 7667516.0/92

- sign 40.860+/-0.006 χ^2/NDF: 4129486.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

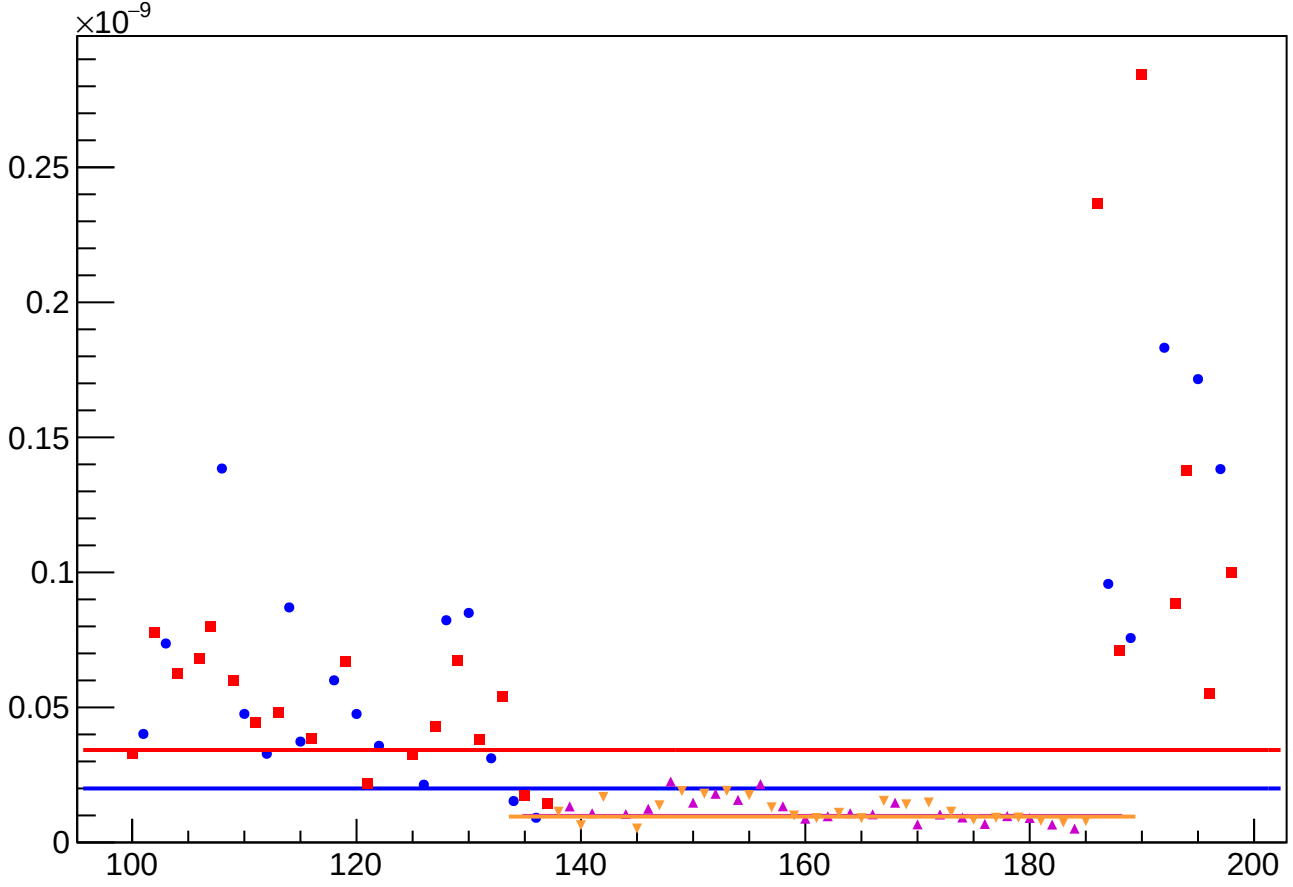
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/24

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.0/44

All: -0.000+/-0.000 χ^2/NDF: 100.7/92

- sign -0.000+/-0.000 χ^2/NDF: 54.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 6794988.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4707348.6/24

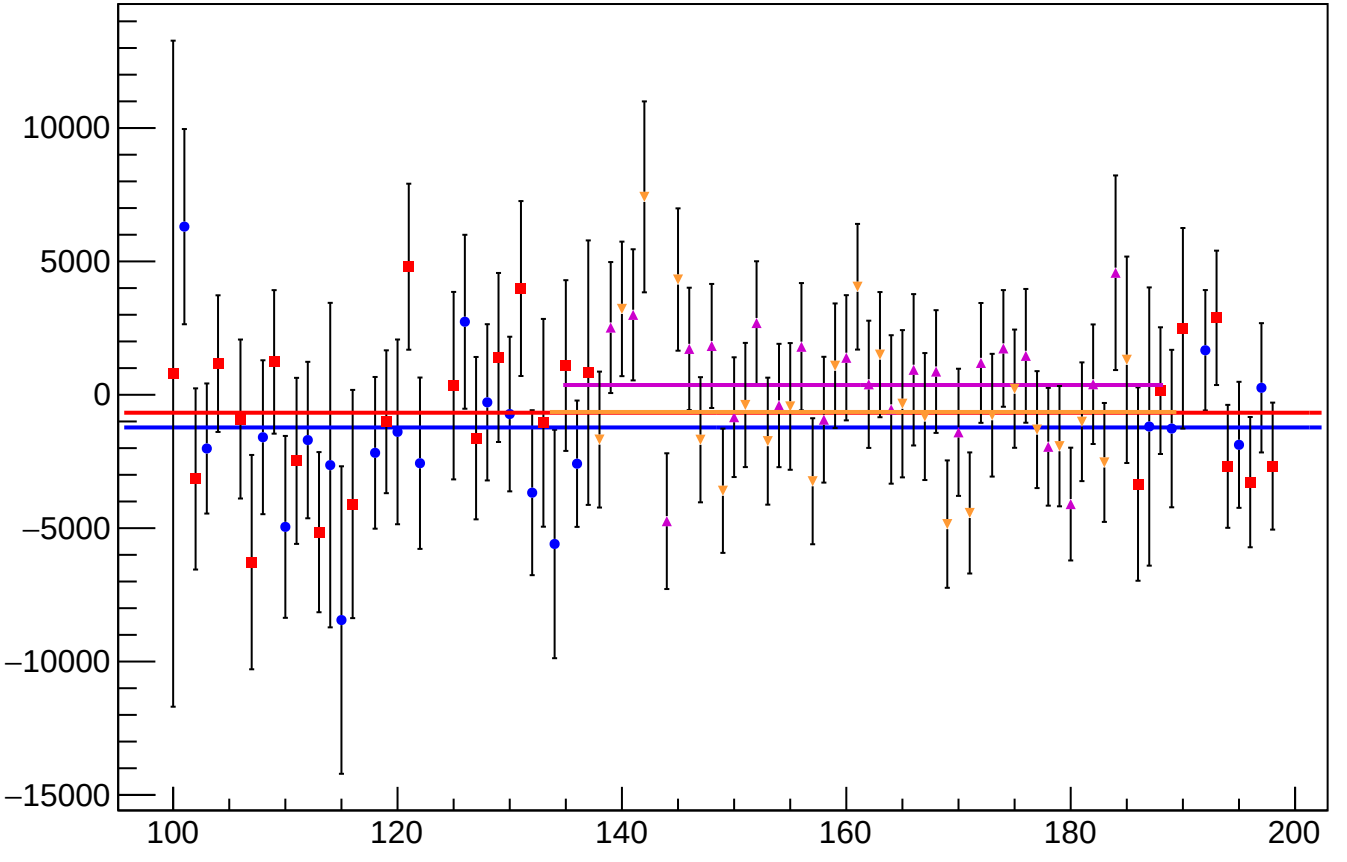
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10779226.9/44

All: 0.000+/-0.000 χ^2/NDF: 22316691.8/92

- sign 0.000+/-0.000 χ^2/NDF: 11511374.4/47

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1224.283+/-660.665 χ^2/NDF: 13.2/20

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -672.528+/-611.997 χ^2/NDF: 18.8/24

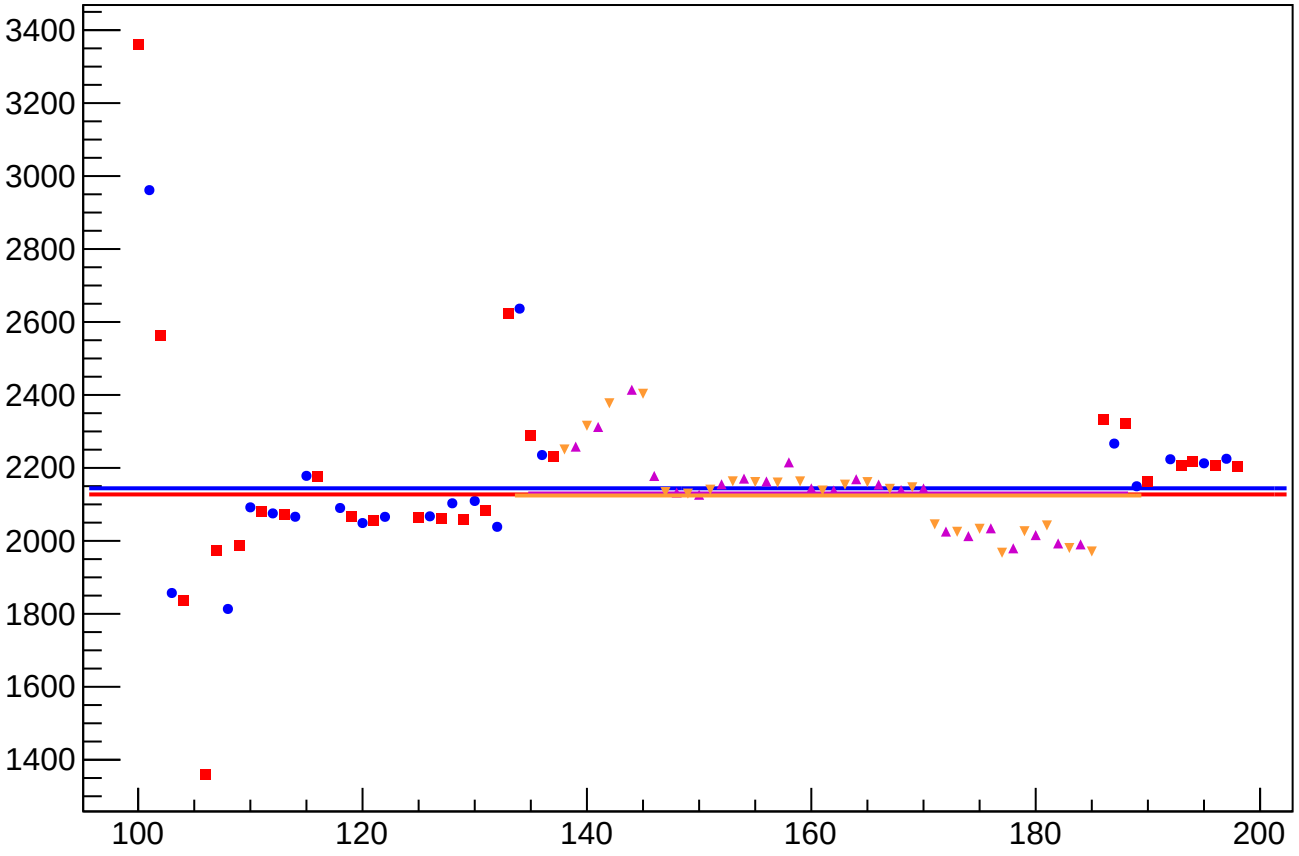
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -851.799+/-395.467 χ^2/NDF: 40.8/44

All: -439.967+/-276.311 χ^2/NDF: 80.8/92

- sign -47.160+/-386.224 χ^2/NDF: 37.9/47

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2144.148+/-0.467 χ^2/NDF: 200187.8/20

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

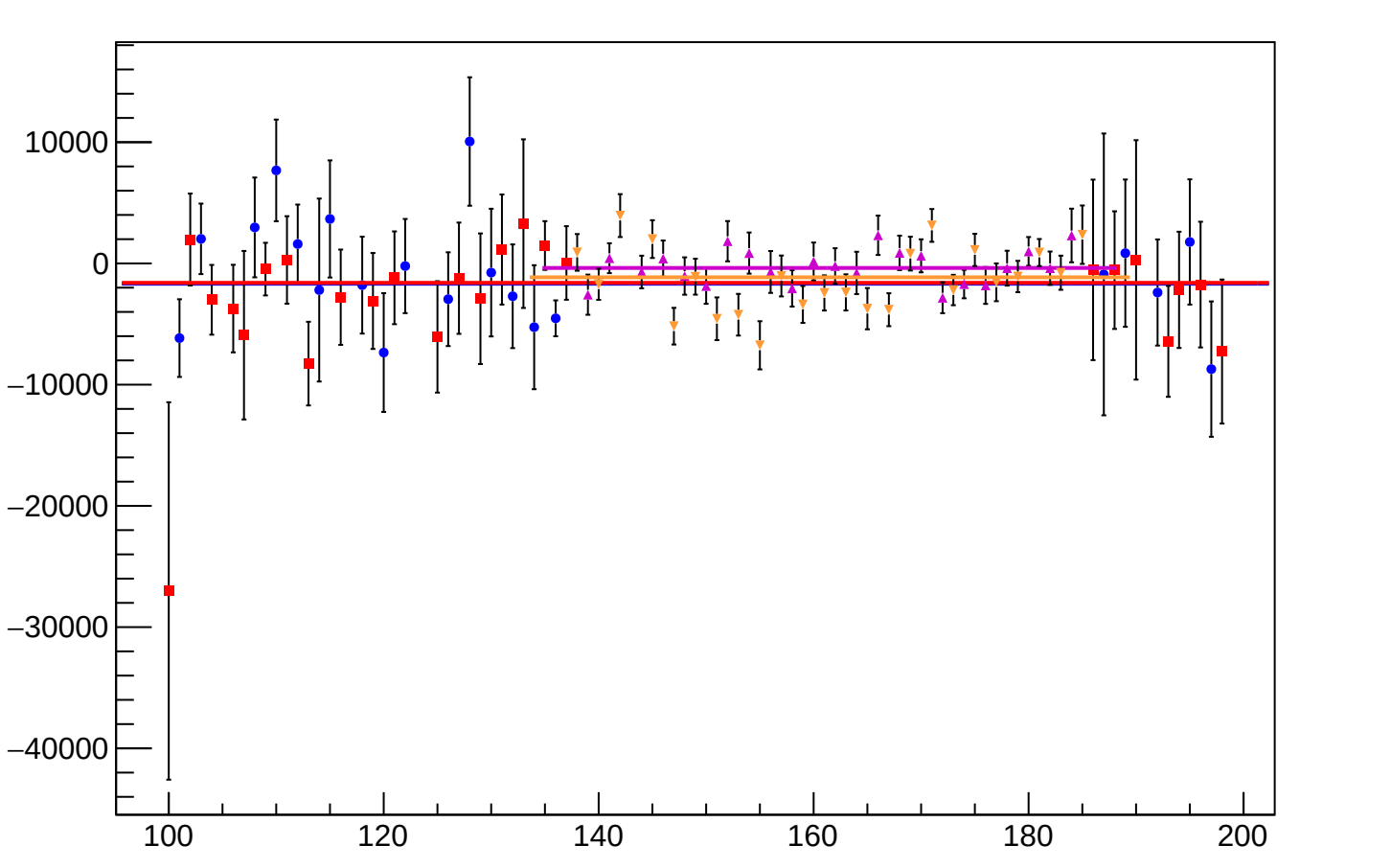
Right Out: 2127.316+/-0.433 χ^2/NDF: 292761.5/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2131.500+/-0.280 χ^2/NDF: 290514.3/44

All: 2130.153+/-0.195 χ^2/NDF: 668696.9/92

- sign 2128.869+/-0.273 χ^2/NDF: 378137.4/47



Right In: -1675.432+/-816.284 χ^2/NDF: 25.1/20

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

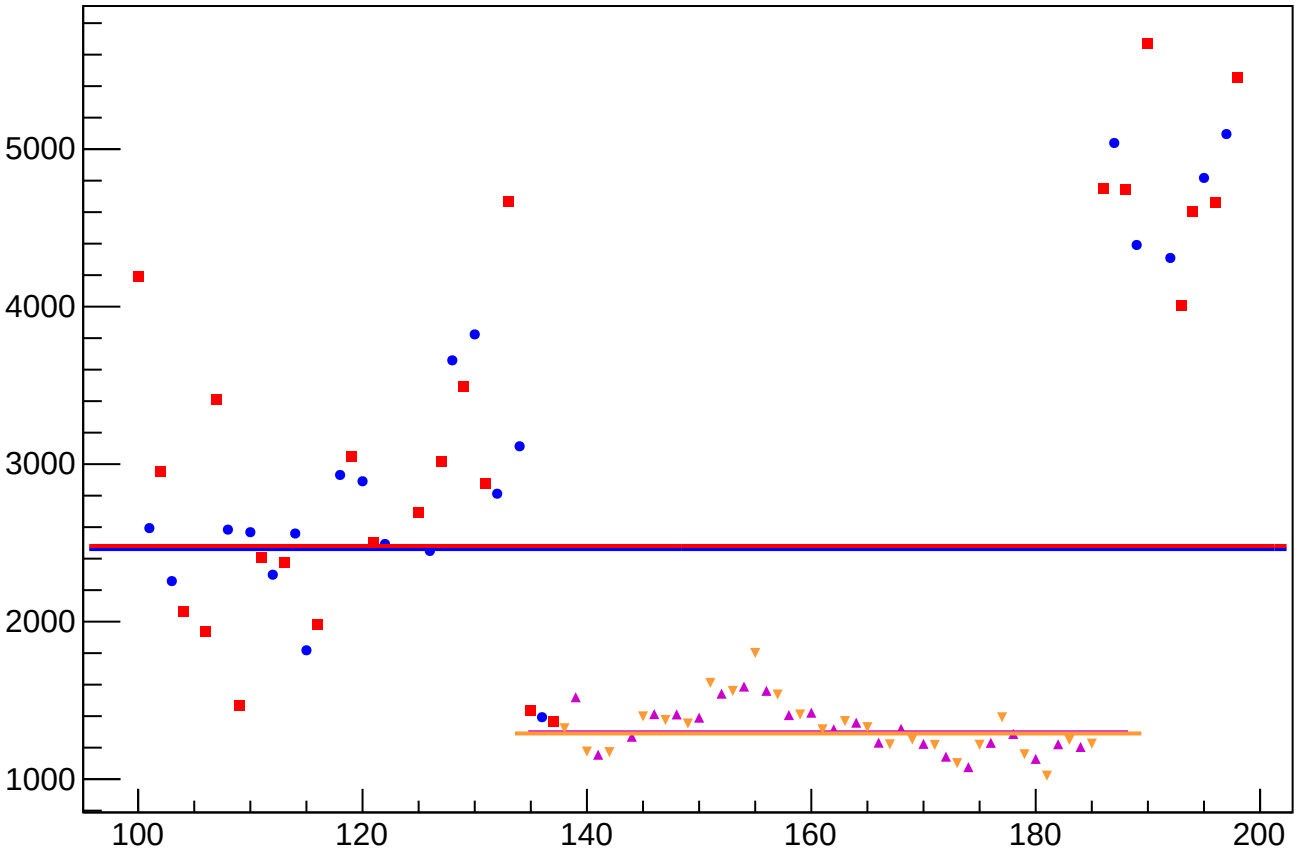
Right Out: -1600.754+/-780.069 χ^2/NDF: 15.7/24

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1208.883+/-283.640 χ^2/NDF: 93.0/44

All: -873.507+/-200.819 χ^2/NDF: 133.9/92

- sign -536.416+/-284.364 χ^2/NDF: 38.1/47



Right In: 2460.715+/-0.577 χ^2/NDF: 2941172.9/20

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2480.550+/-0.552 χ^2/NDF: 4109604.6/24

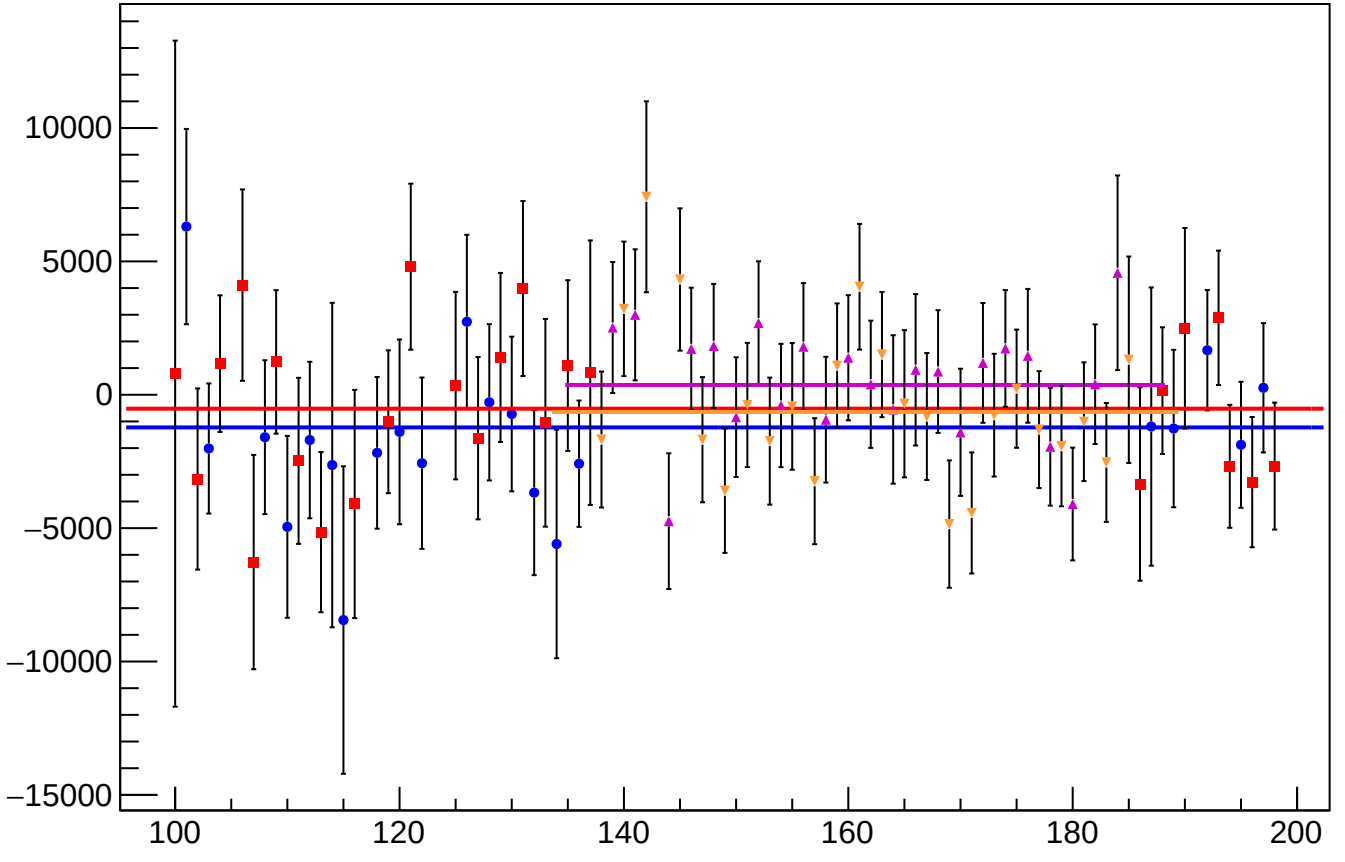
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1431.378+/-0.201 χ^2/NDF: 7126094.1/44

All: 1442.996+/-0.142 χ^2/NDF: 15665565.3/9

- sign 1454.673+/-0.201 χ^2/NDF: 8532743.0/47

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1224.250+/-660.665 χ^2/NDF: 13.2/20

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -521.643+/-616.037 χ^2/NDF: 20.5/24

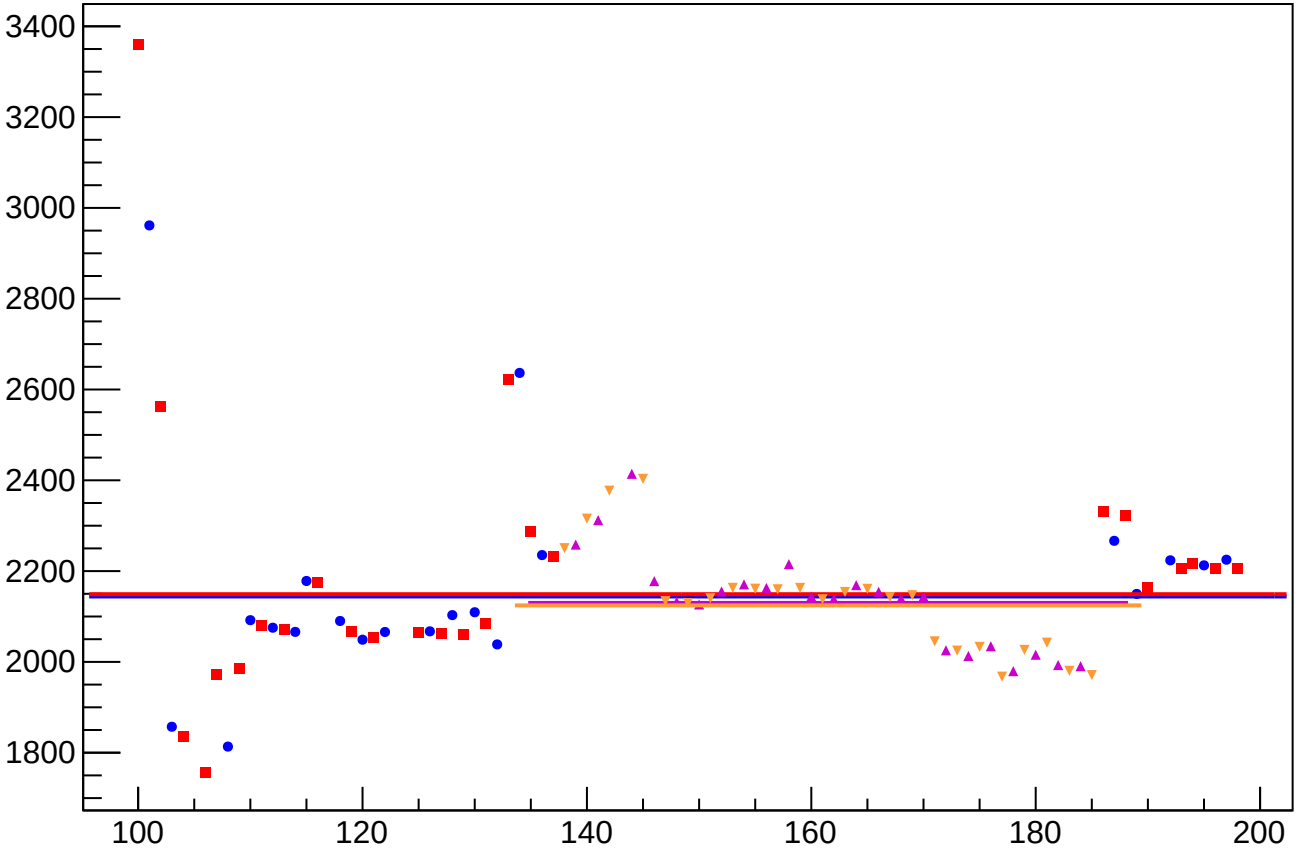
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -851.699+/-395.467 χ^2/NDF: 40.8/44

All: -408.894+/-276.680 χ^2/NDF: 82.4/92

- sign 15.665+/-387.233 χ^2/NDF: 39.1/47

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2144.148+/-0.467 χ^2/NDF: 200188.2/20

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

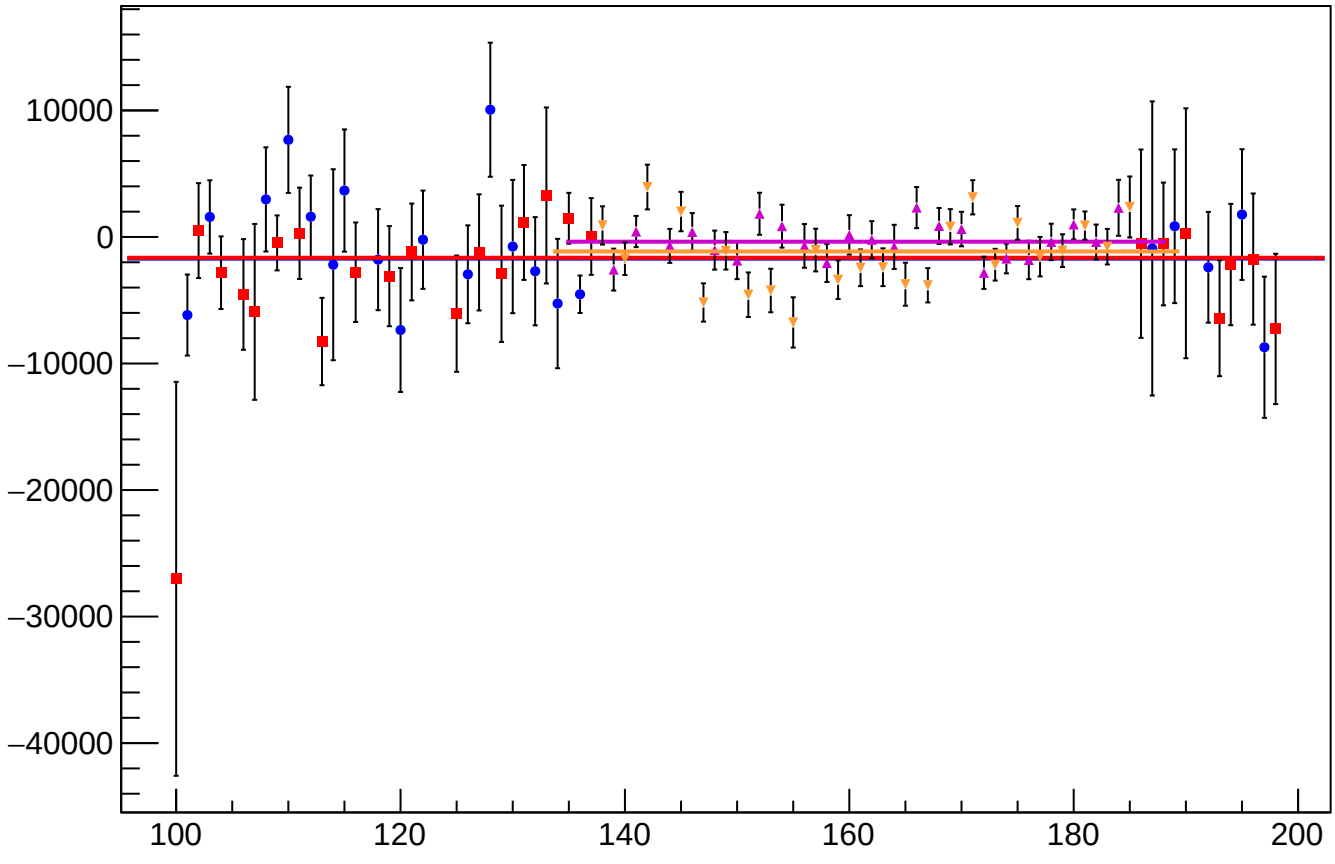
Right Out: 2149.123+/-0.436 χ^2/NDF: 179372.4/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2131.500+/-0.280 χ^2/NDF: 290514.6/44

All: 2134.560+/-0.196 χ^2/NDF: 556654.4/92

- sign 2137.494+/-0.274 χ^2/NDF: 265905.3/47



Right In: -1709.454+/-816.037 χ^2/NDF: 24.7/20

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

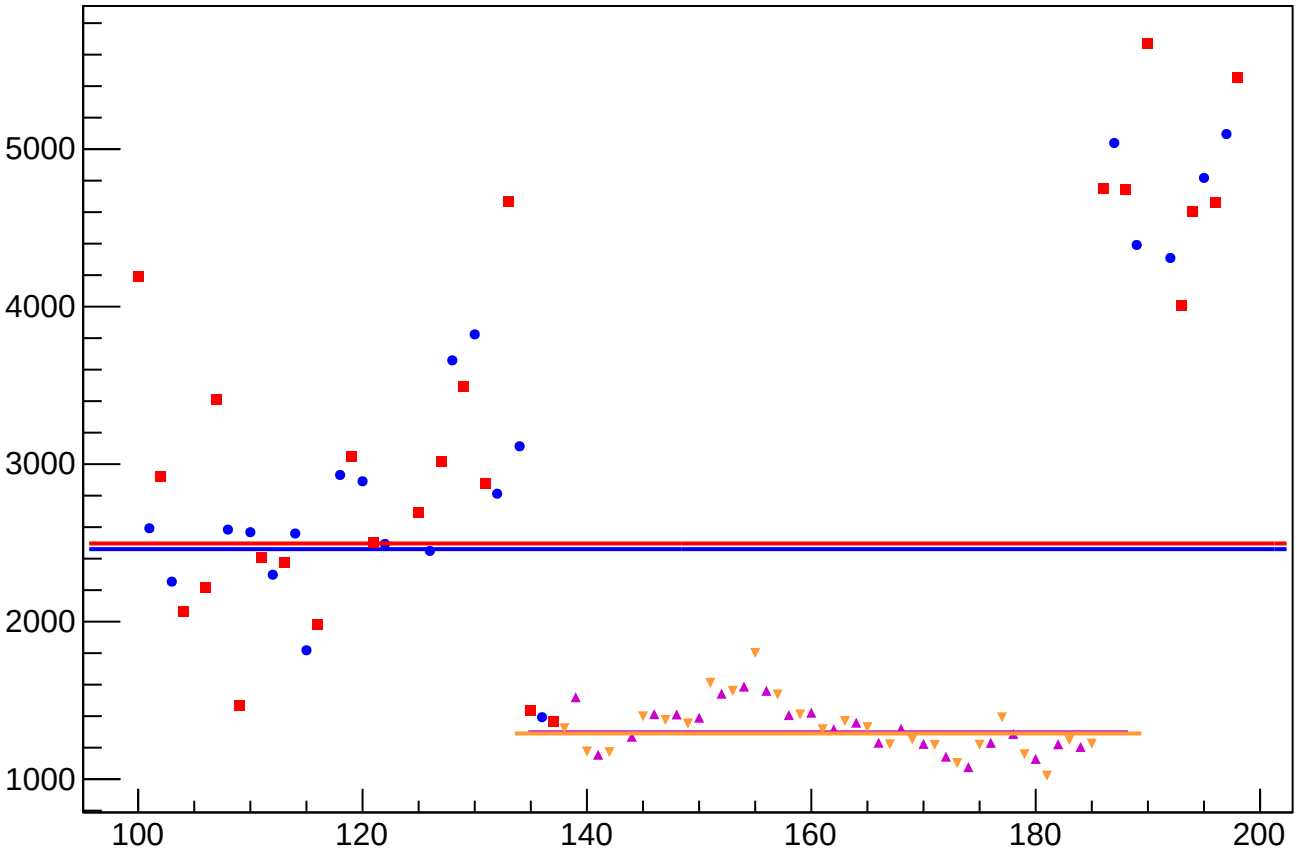
Right Out: -1643.679+/-785.378 χ^2/NDF: 15.2/24

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1212.995+/-283.631 χ^2/NDF: 92.7/44

All: -877.690+/-200.906 χ^2/NDF: 133.2/92

- sign -540.043+/-284.620 χ^2/NDF: 37.7/47



Right In: 2460.260+/-0.577 χ^2/NDF: 2941501.1/20

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

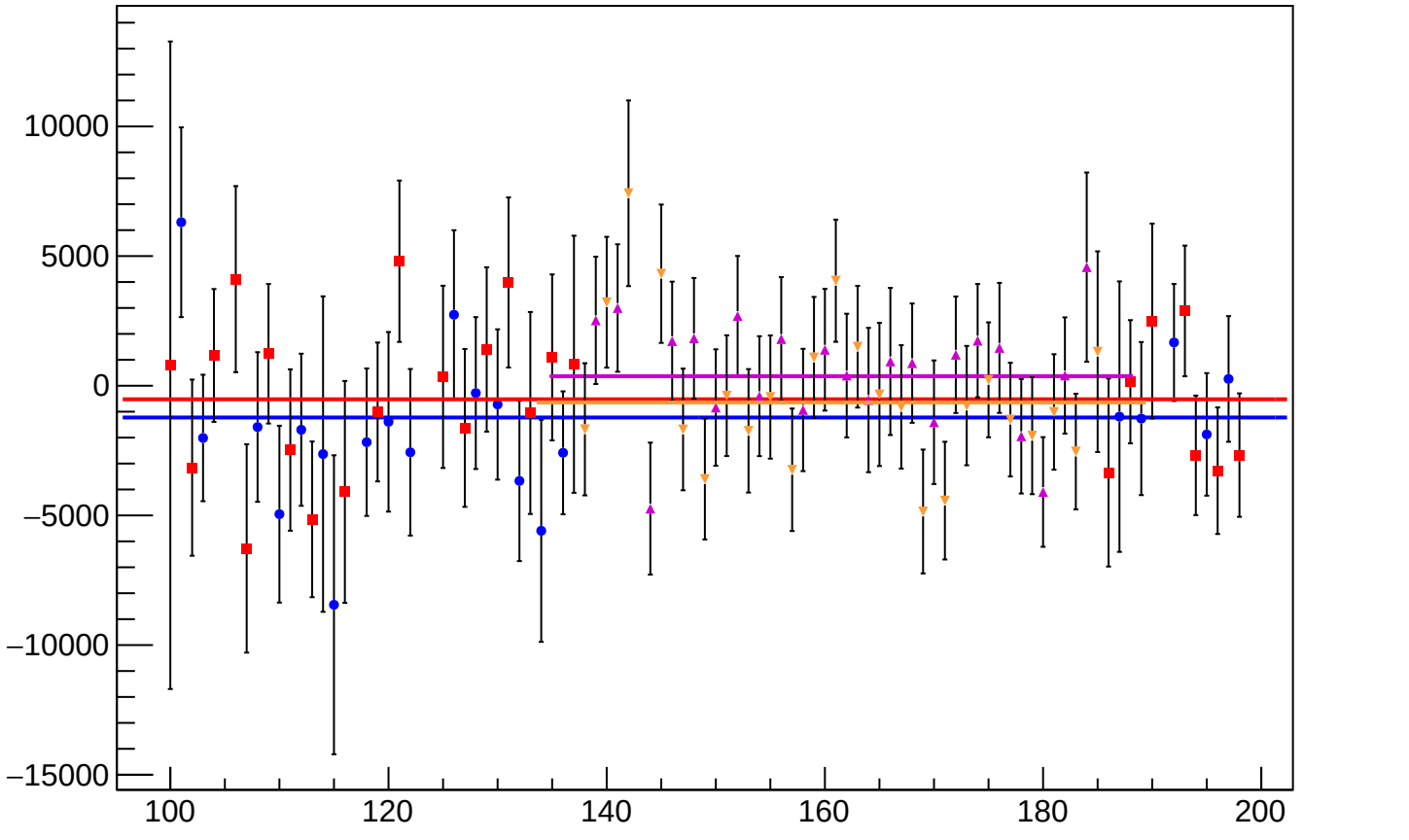
Right Out: 2496.411+/-0.555 χ^2/NDF: 4068747.4/24

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1431.410+/-0.201 χ^2/NDF: 7125395.6/44

All: 1443.124+/-0.142 χ^2/NDF: 15683831.6/9

- sign 1454.919+/-0.201 χ^2/NDF: 8551589.6/47



Right In: -1224.250+/-660.665 χ^2/NDF: 13.2/20

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -521.643+/-616.037 χ^2/NDF: 20.5/24

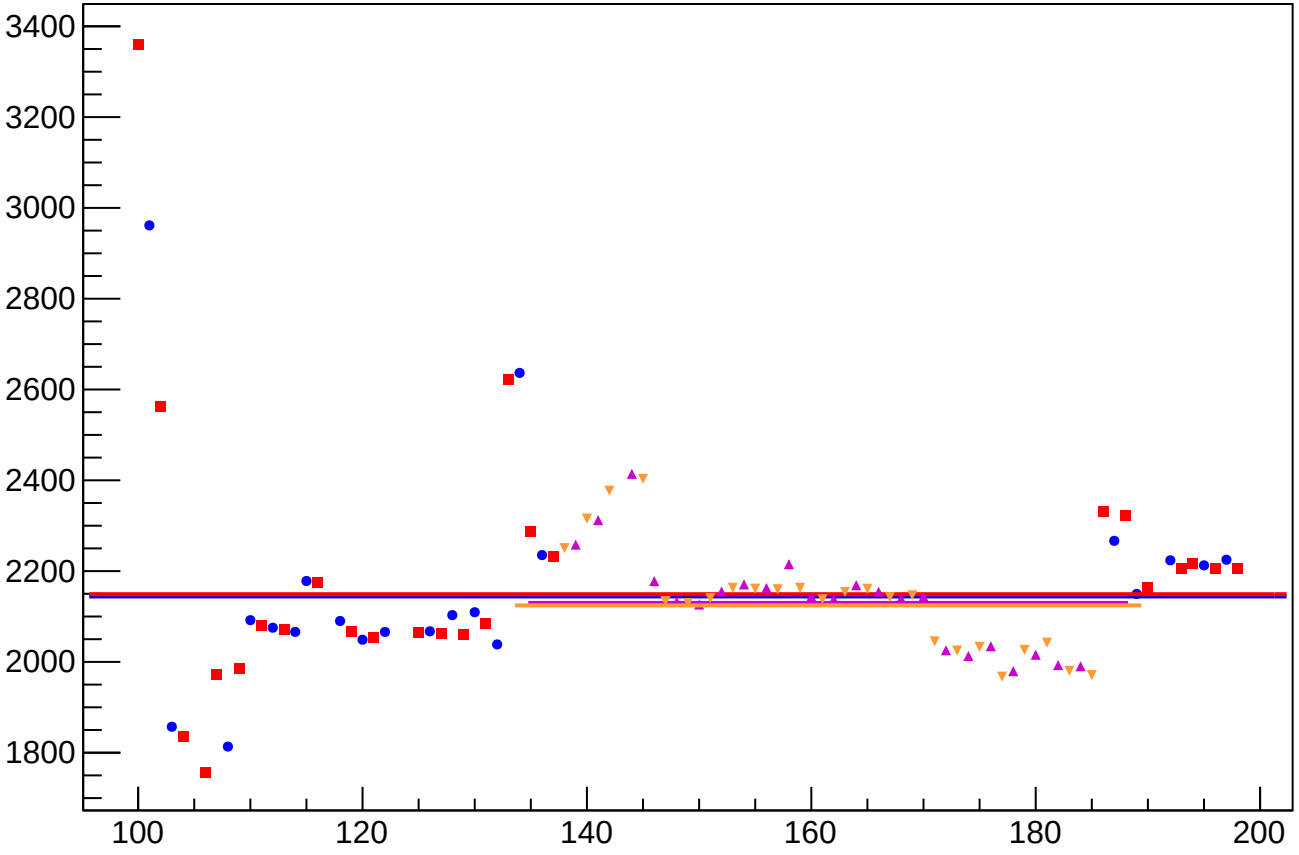
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -851.699+/-395.467 χ^2/NDF: 40.8/44

All: -408.894+/-276.680 χ^2/NDF: 82.4/92

- sign 15.665+/-387.233 χ^2/NDF: 39.1/47

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2144.148+/-0.467 χ^2/NDF: 200188.2/20

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

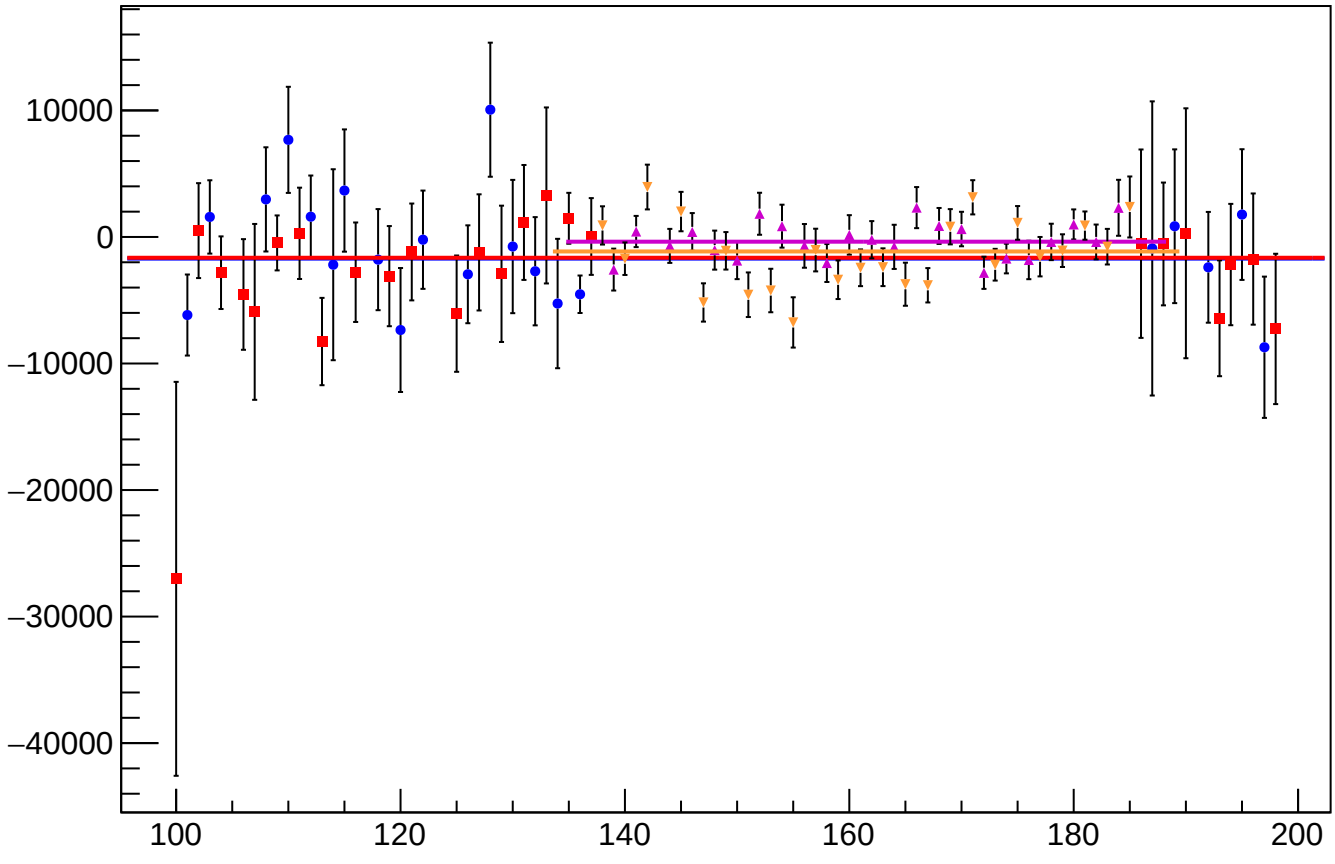
Right Out: 2149.123+/-0.436 χ^2/NDF: 179372.4/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2131.500+/-0.280 χ^2/NDF: 290514.6/44

All: 2134.560+/-0.196 χ^2/NDF: 556654.4/92

- sign 2137.494+/-0.274 χ^2/NDF: 265905.3/47



Right In: -1709.454+/-816.037 χ^2/NDF: 24.7/20

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

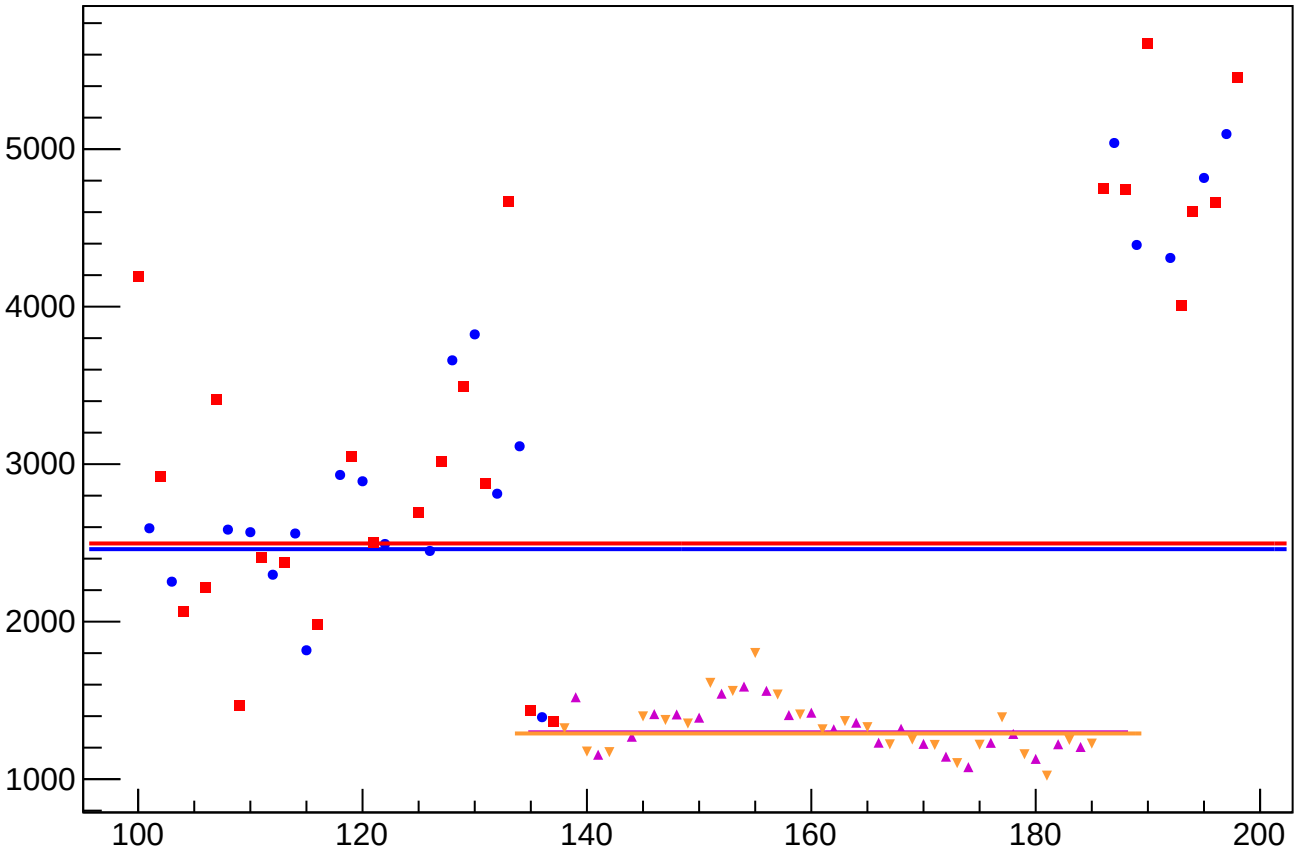
Right Out: -1643.679+/-785.378 χ^2/NDF: 15.2/24

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1212.995+/-283.631 χ^2/NDF: 92.7/44

All: -877.690+/-200.906 χ^2/NDF: 133.2/92

- sign -540.043+/-284.620 χ^2/NDF: 37.7/47



Right In: 2460.260+/-0.577 χ^2/NDF: 2941501.1/20

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

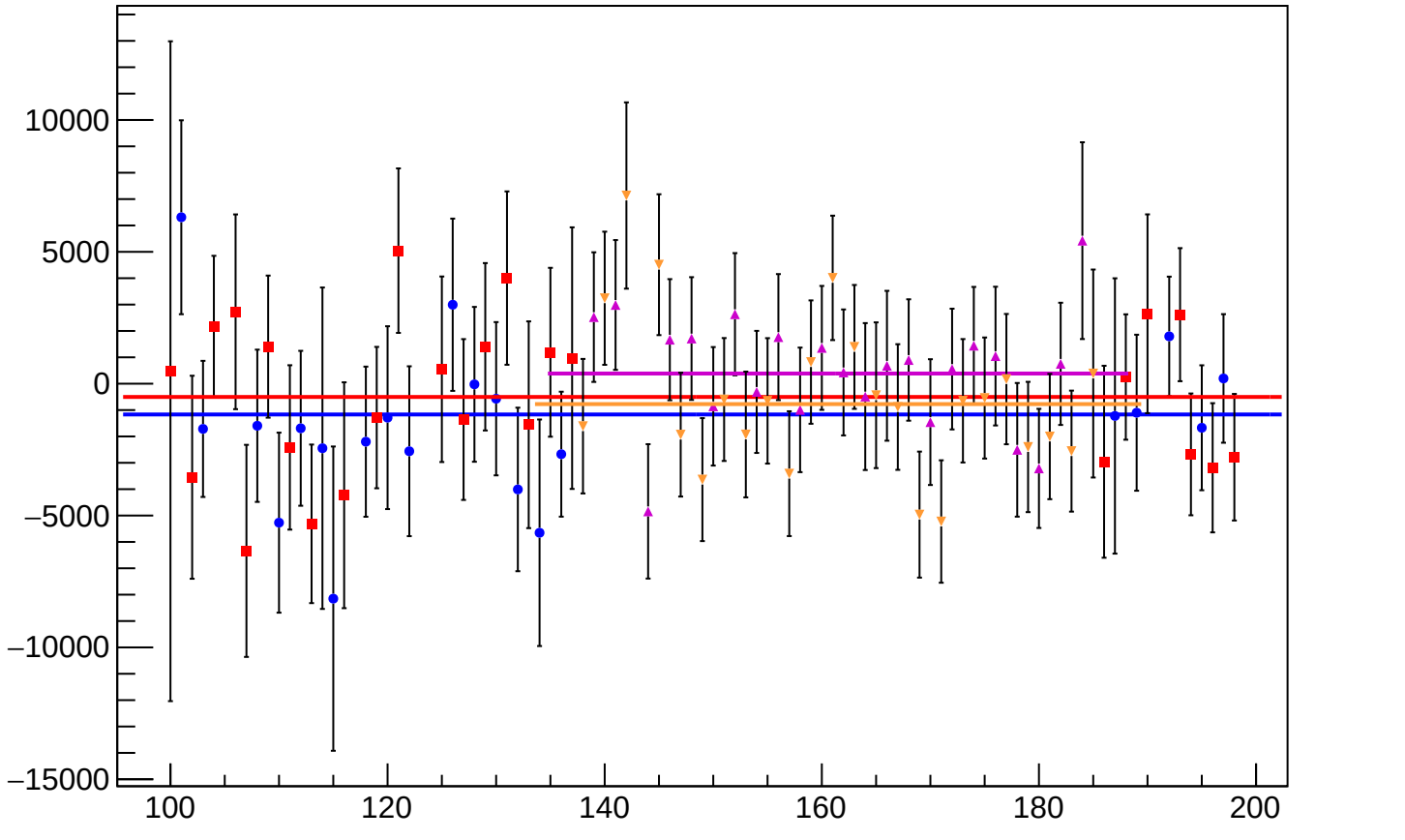
Right Out: 2496.411+/-0.555 χ^2/NDF: 4068747.4/24

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1431.410+/-0.201 χ^2/NDF: 7125395.6/44

All: 1443.124+/-0.142 χ^2/NDF: 15683831.6/9

- sign 1454.919+/-0.201 χ^2/NDF: 8551589.6/47



Right In: -1167.064+/-664.741 χ^2/NDF: 13.7/20

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -503.150+/-621.796 χ^2/NDF: 20.6/24

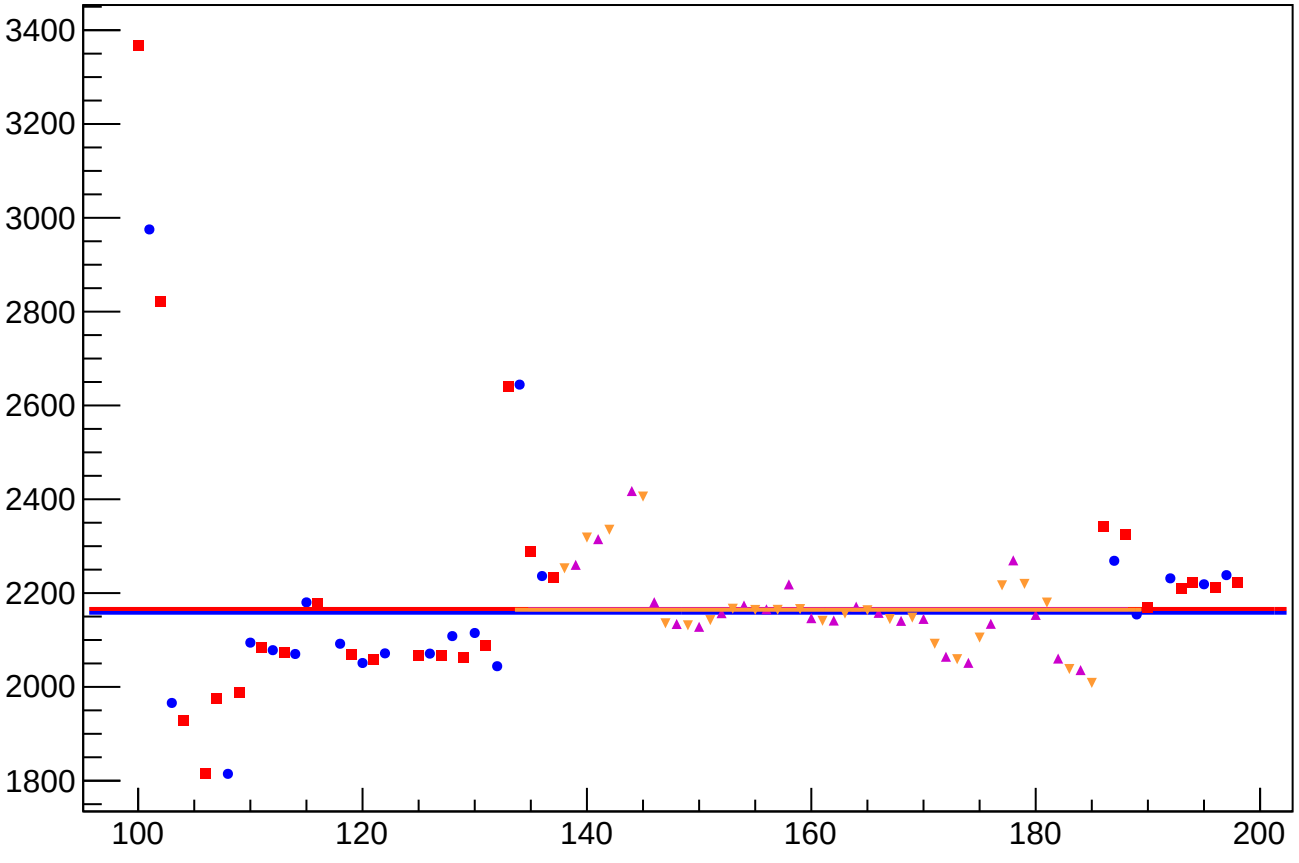
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -916.780+/-401.016 χ^2/NDF: 42.5/44

All: -432.568+/-280.499 χ^2/NDF: 82.8/92

- sign 31.282+/-392.494 χ^2/NDF: 37.4/47

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.175+/-0.470 χ^2/NDF: 184677.5/20

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

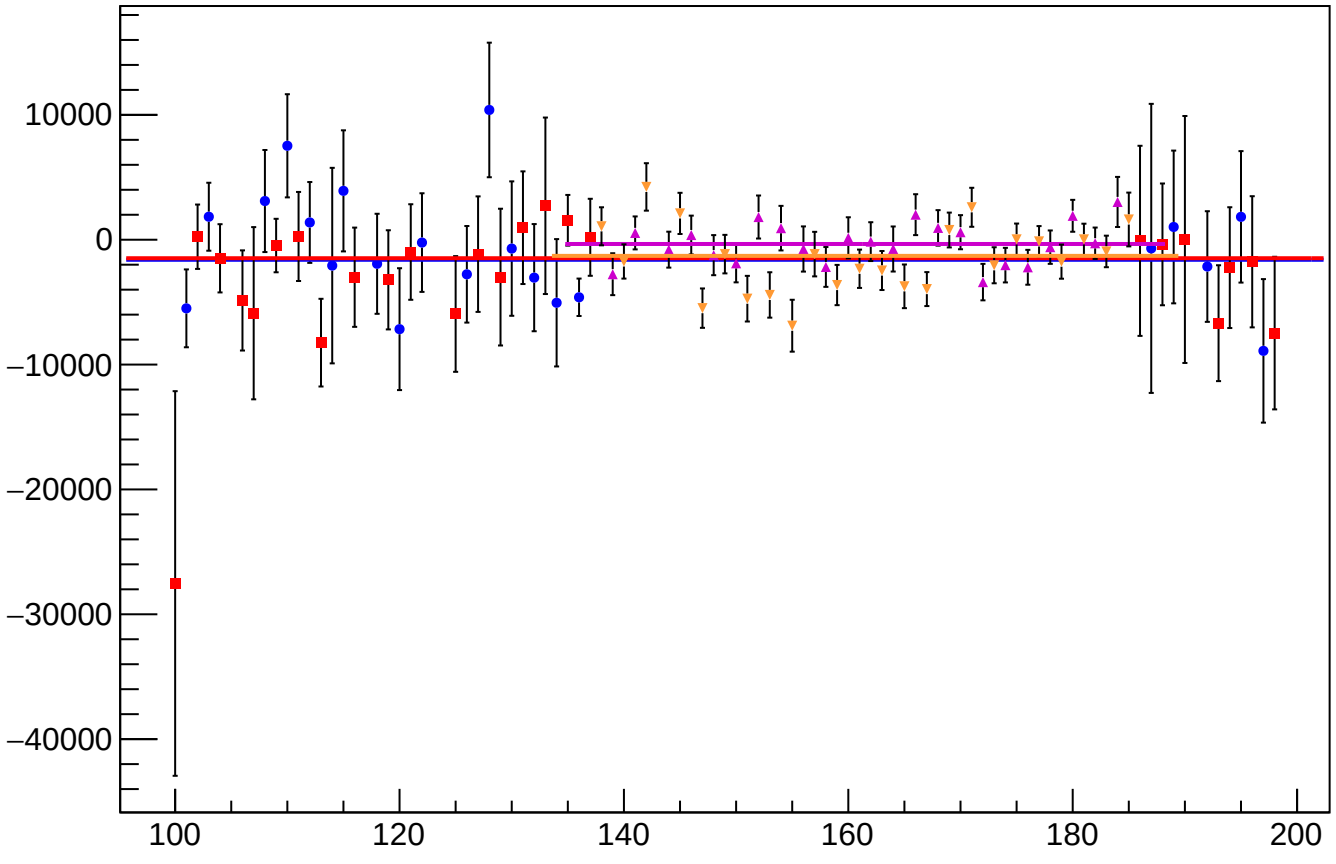
Right Out: 2166.161+/-0.440 χ^2/NDF: 188104.5/24

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2162.219+/-0.284 χ^2/NDF: 235470.1/44

All: 2164.073+/-0.198 χ^2/NDF: 475783.6/92

- sign 2165.850+/-0.278 χ^2/NDF: 240229.7/47



Right In: -1606.046+/-815.323 χ^2/NDF: 24.9/20

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

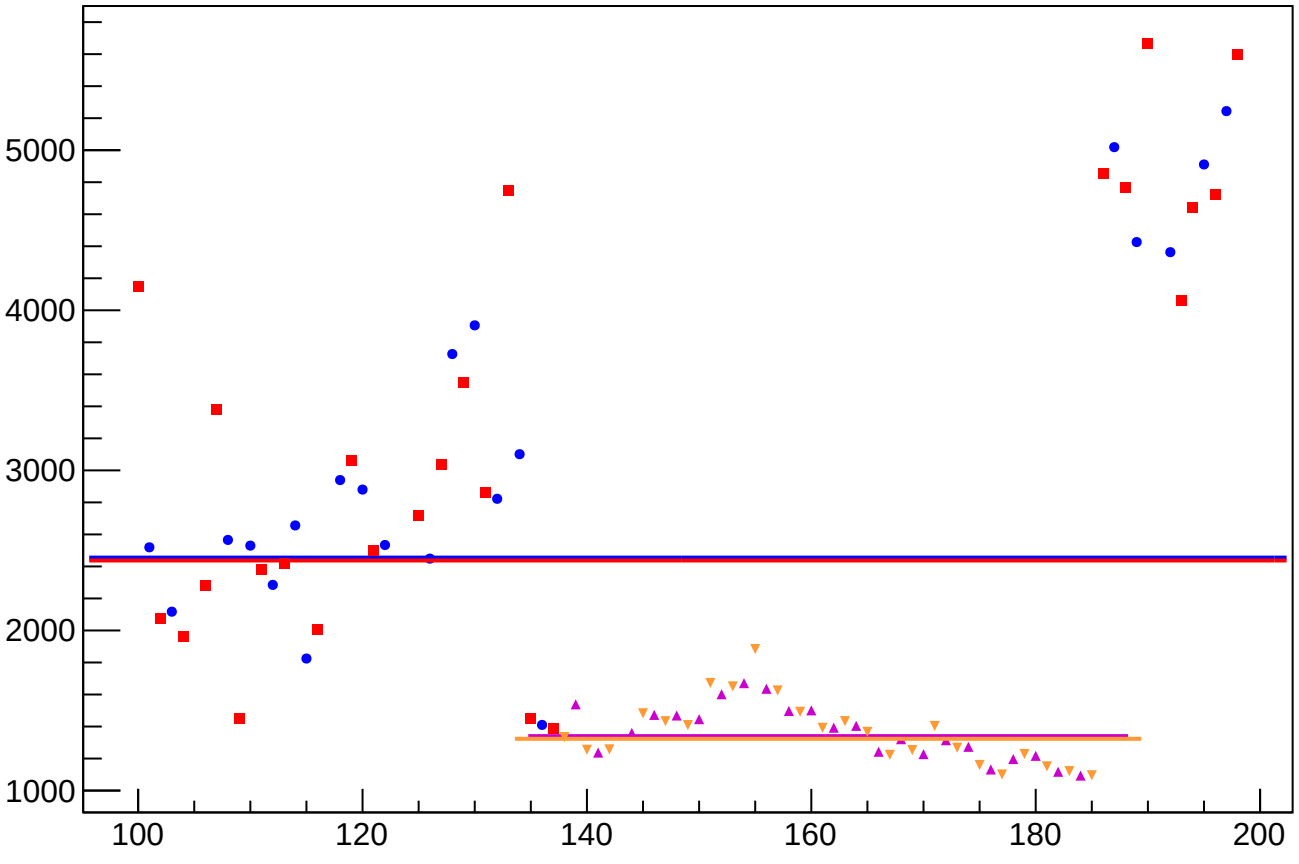
Right Out: -1482.005+/-764.776 χ^2/NDF: 15.5/24

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1333.303+/-290.270 χ^2/NDF: 83.7/44

All: -922.306+/-205.758 χ^2/NDF: 129.9/92

- sign -507.225+/-291.709 χ^2/NDF: 42.2/47



Right In: 2455.171+/-0.577 χ^2/NDF: 2978420.5/20

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

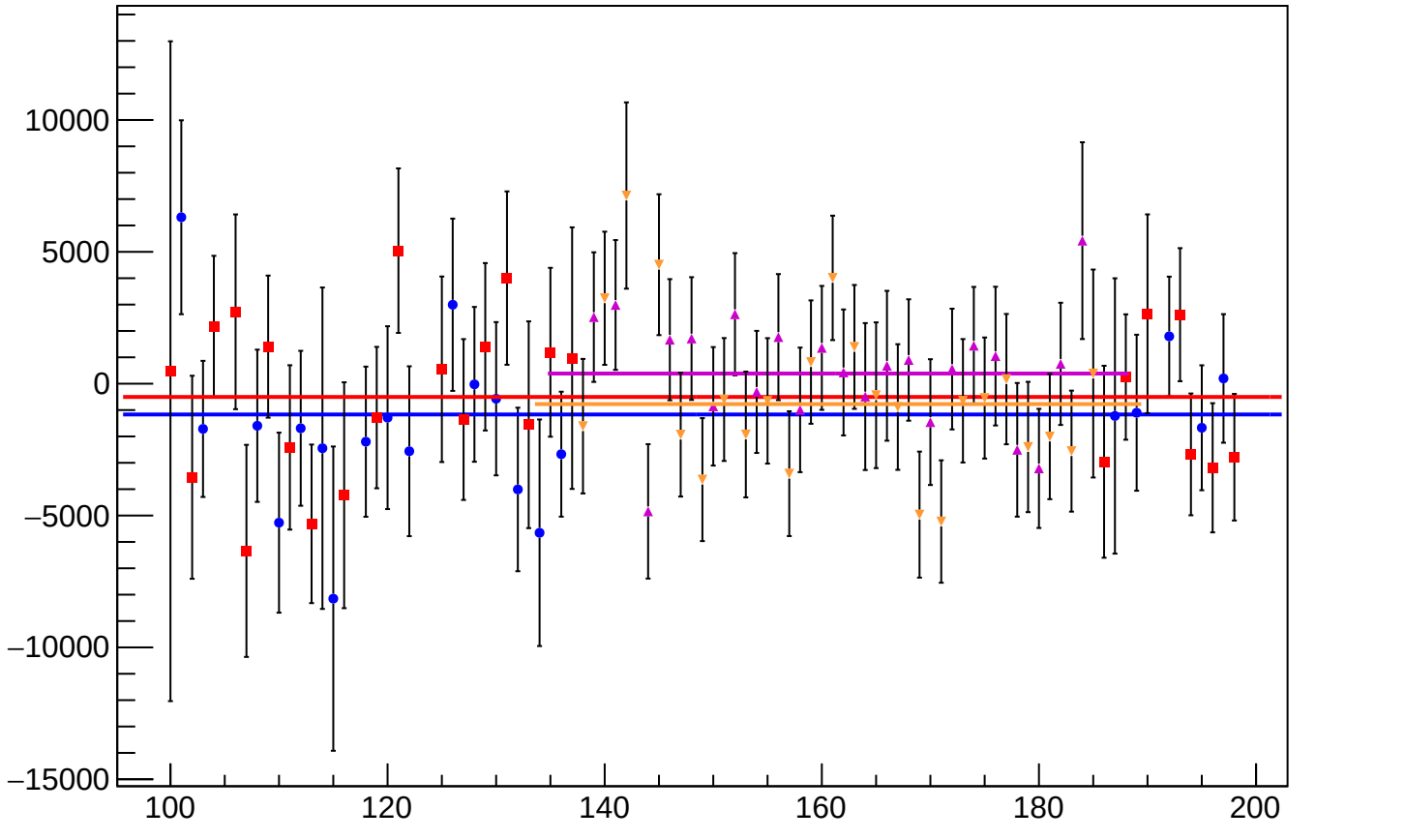
Right Out: 2437.158+/-0.541 χ^2/NDF: 4170356.4/24

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1466.853+/-0.205 χ^2/NDF: 7007587.9/44

All: 1483.193+/-0.145 χ^2/NDF: 15201775.7/9

- sign 1499.696+/-0.206 χ^2/NDF: 8181448.5/47



Right In: -1167.063+/-664.741 χ^2/NDF: 13.7/20

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -503.149+/-621.796 χ^2/NDF: 20.6/24

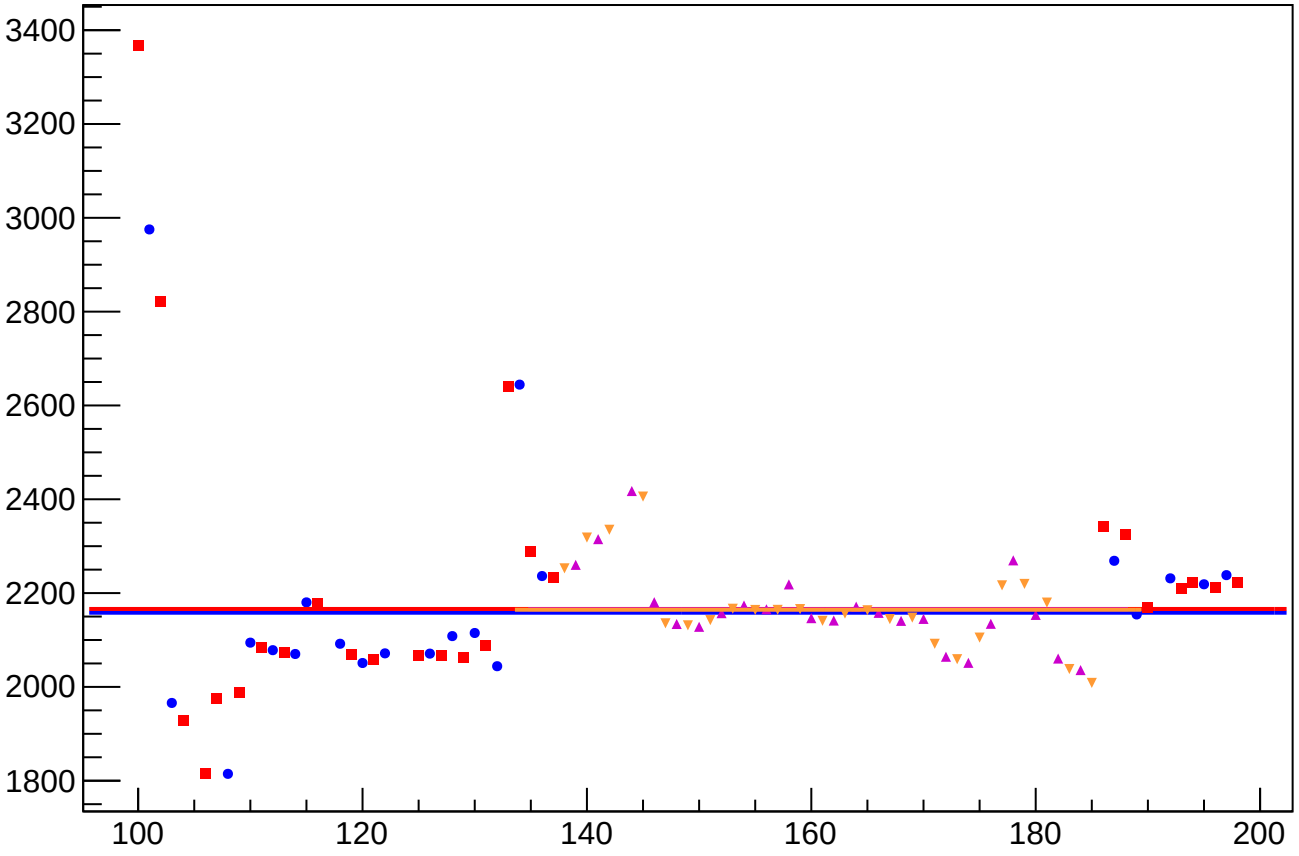
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -916.778+/-401.016 χ^2/NDF: 42.5/44

All: -432.567+/-280.499 χ^2/NDF: 82.8/92

- sign 31.282+/-392.494 χ^2/NDF: 37.4/47

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.175+/-0.470 χ^2/NDF: 184677.4/20

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

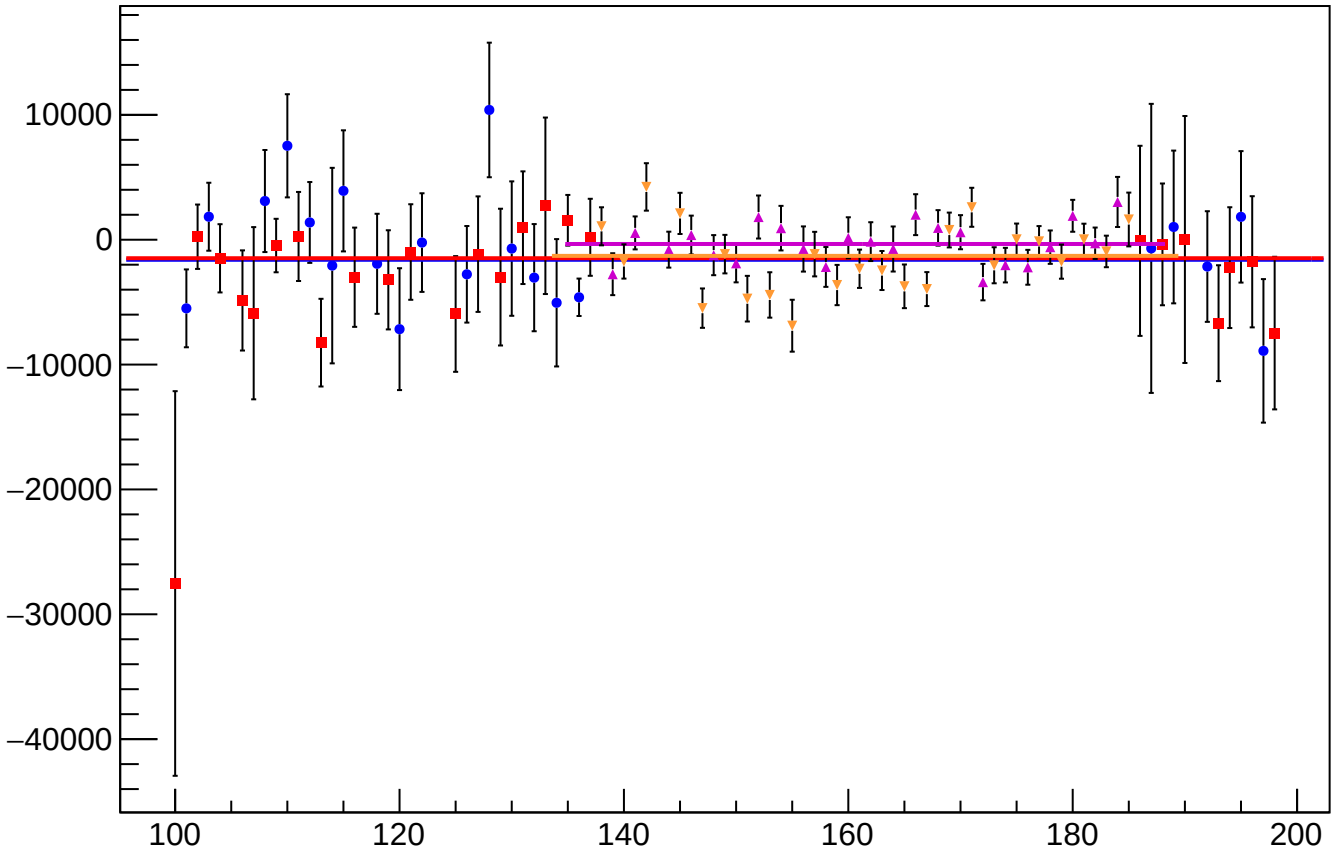
Right Out: 2166.161+/-0.440 χ^2/NDF: 188104.3/24

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2162.218+/-0.284 χ^2/NDF: 235470.0/44

All: 2164.073+/-0.198 χ^2/NDF: 475783.4/92

- sign 2165.849+/-0.278 χ^2/NDF: 240229.6/47



Right In: -1606.035+/-815.326 χ^2/NDF: 24.9/20

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

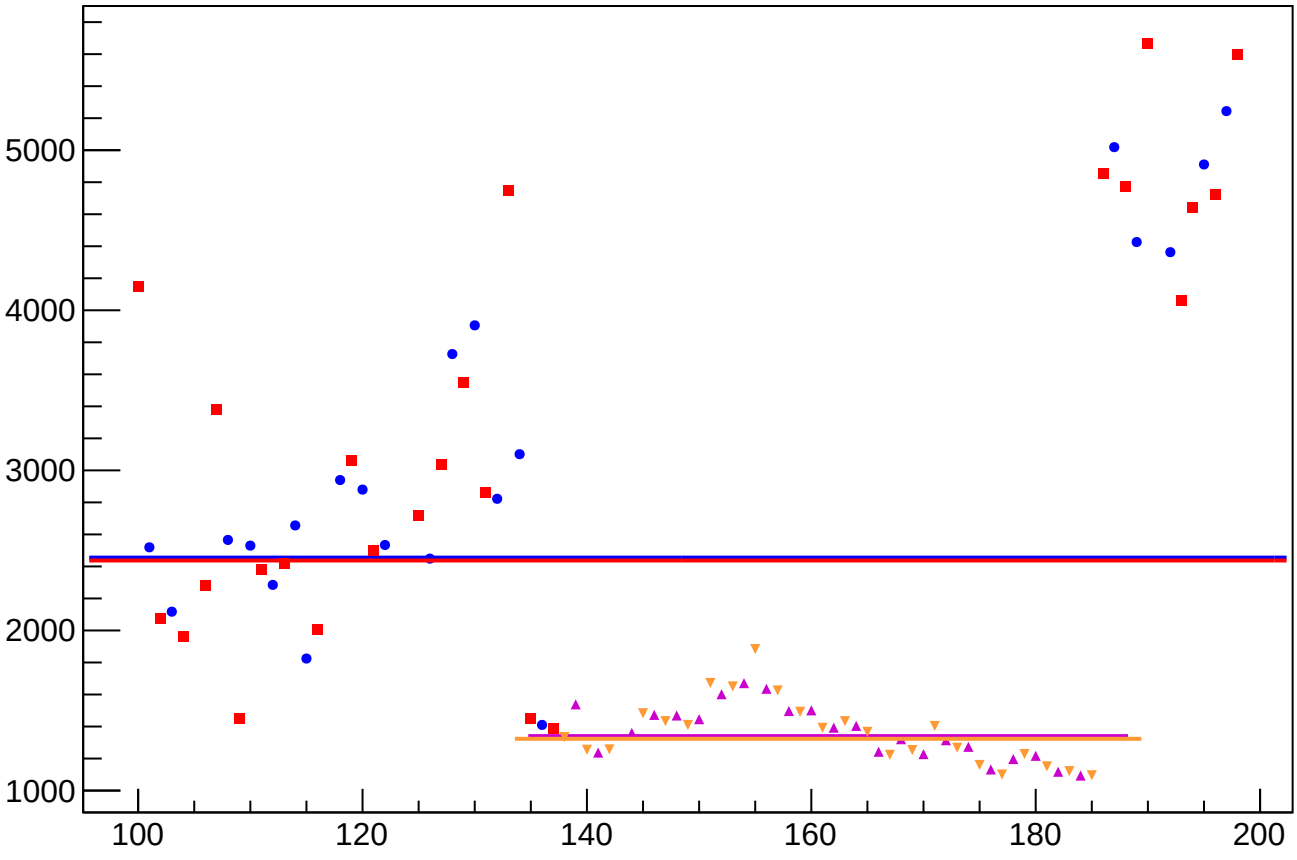
Right Out: -1482.022+/-764.779 χ^2/NDF: 15.5/24

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1333.302+/-290.270 χ^2/NDF: 83.7/44

All: -922.305+/-205.758 χ^2/NDF: 129.9/92

- sign -507.224+/-291.708 χ^2/NDF: 42.2/47



Right In: 2455.183+/-0.577 χ^2/NDF: 2978338.3/20

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2437.171+/-0.541 χ^2/NDF: 4170278.4/24

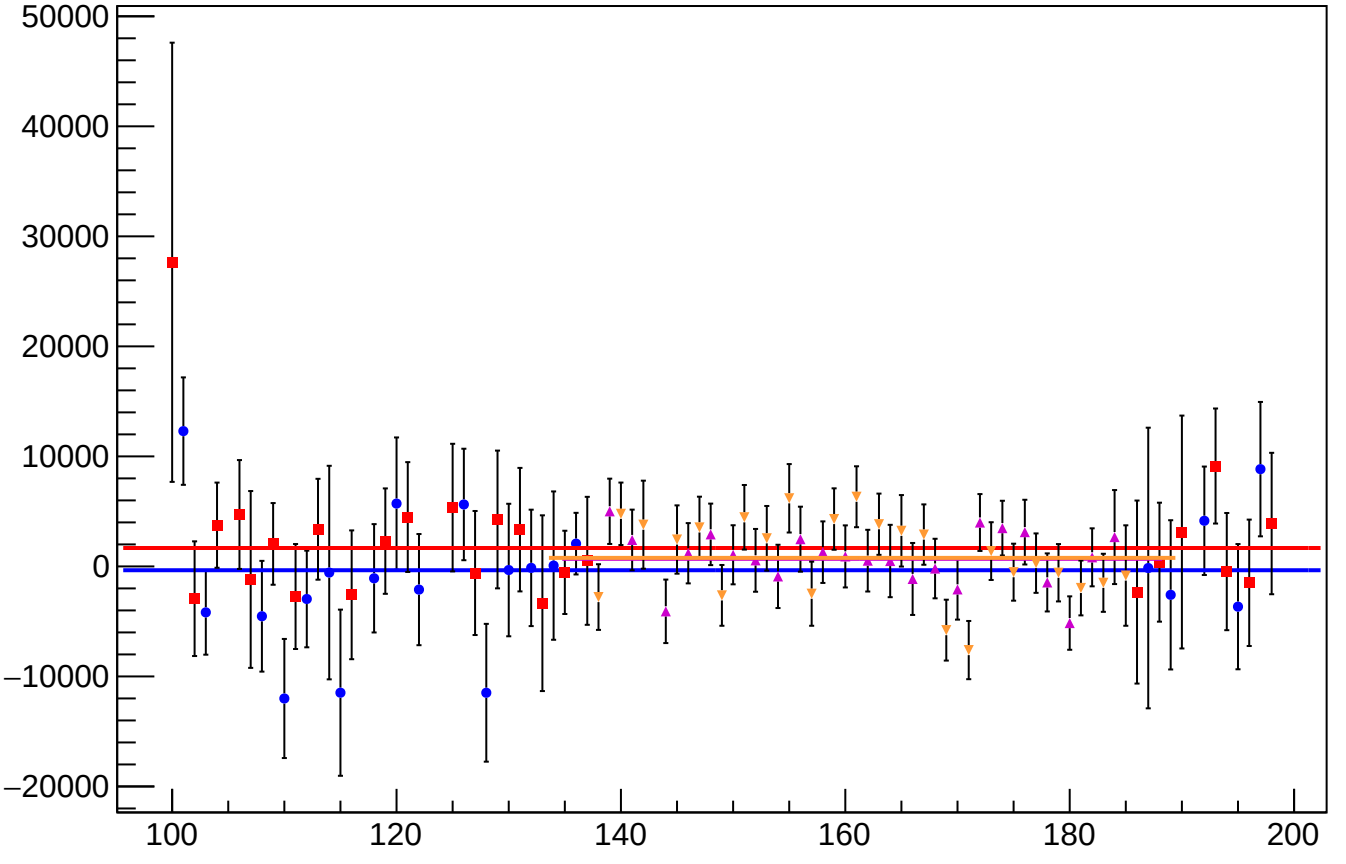
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1466.853+/-0.205 χ^2/NDF: 7007563.1/44

All: 1483.193+/-0.145 χ^2/NDF: 15201754.0/9

- sign 1499.696+/-0.206 χ^2/NDF: 8181452.4/47

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -347.284+/-1135.693 χ^2/NDF: 25.6/20

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1672.830+/-1080.240 χ^2/NDF: 9.7/24

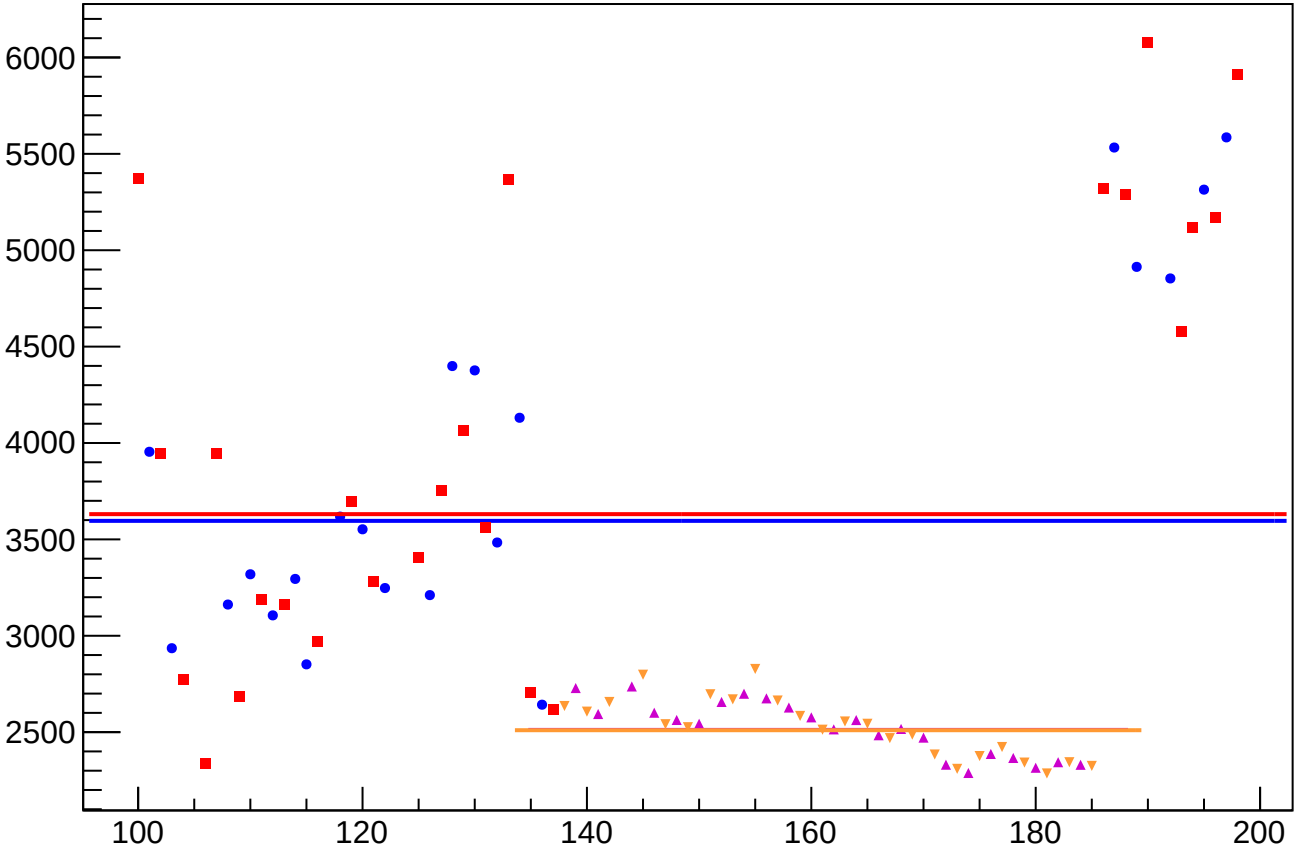
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 540.327+/-519.141 χ^2/NDF: 65.7/44

All: 728.422+/-365.995 χ^2/NDF: 94.6/92

- sign 914.291+/-516.062 χ^2/NDF: 28.6/47

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3596.072+/-0.803 χ^2/NDF: 1115700.1/20

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

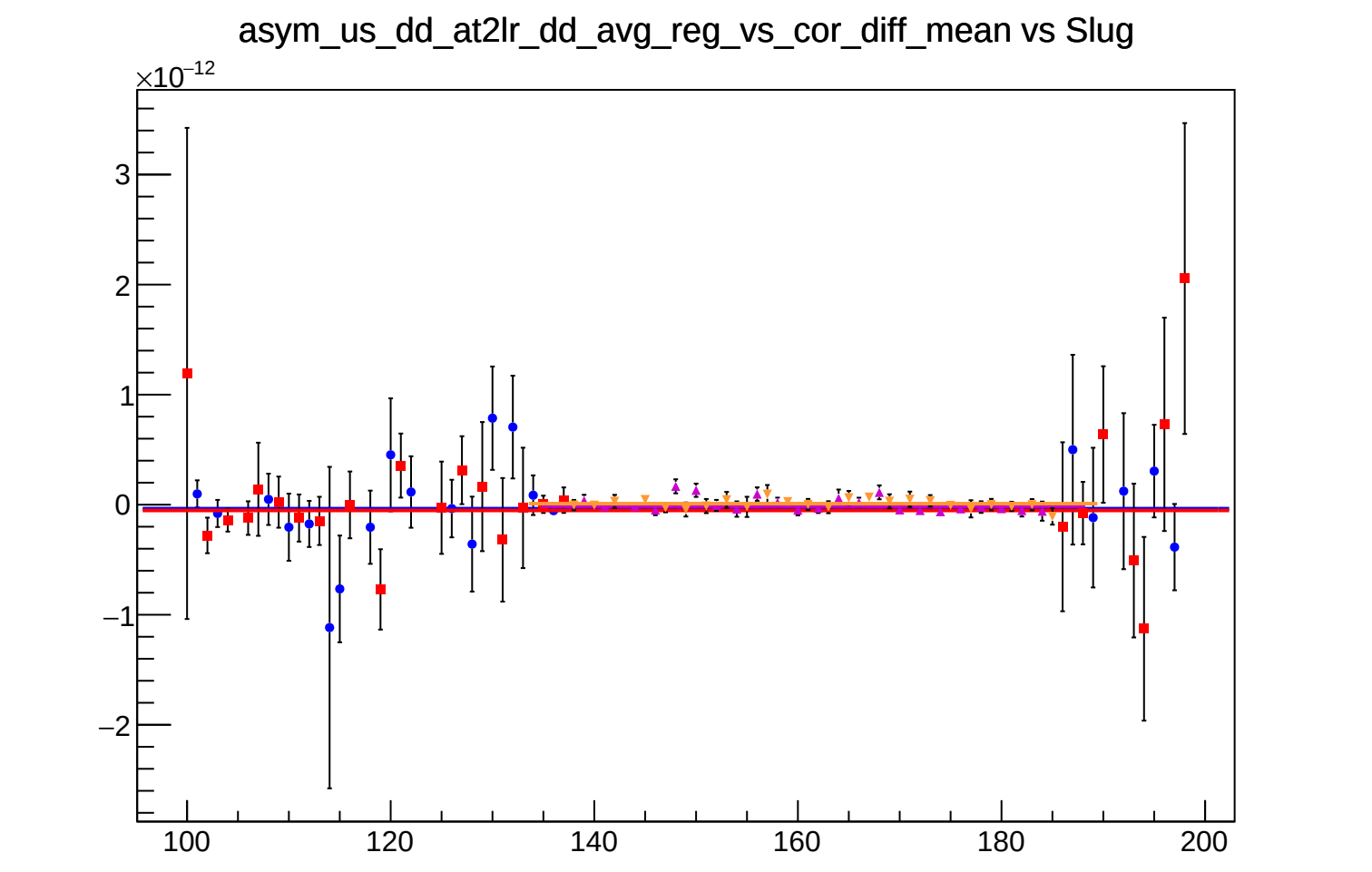
Right Out: 3630.947+/-0.764 χ^2/NDF: 1747080.8/24

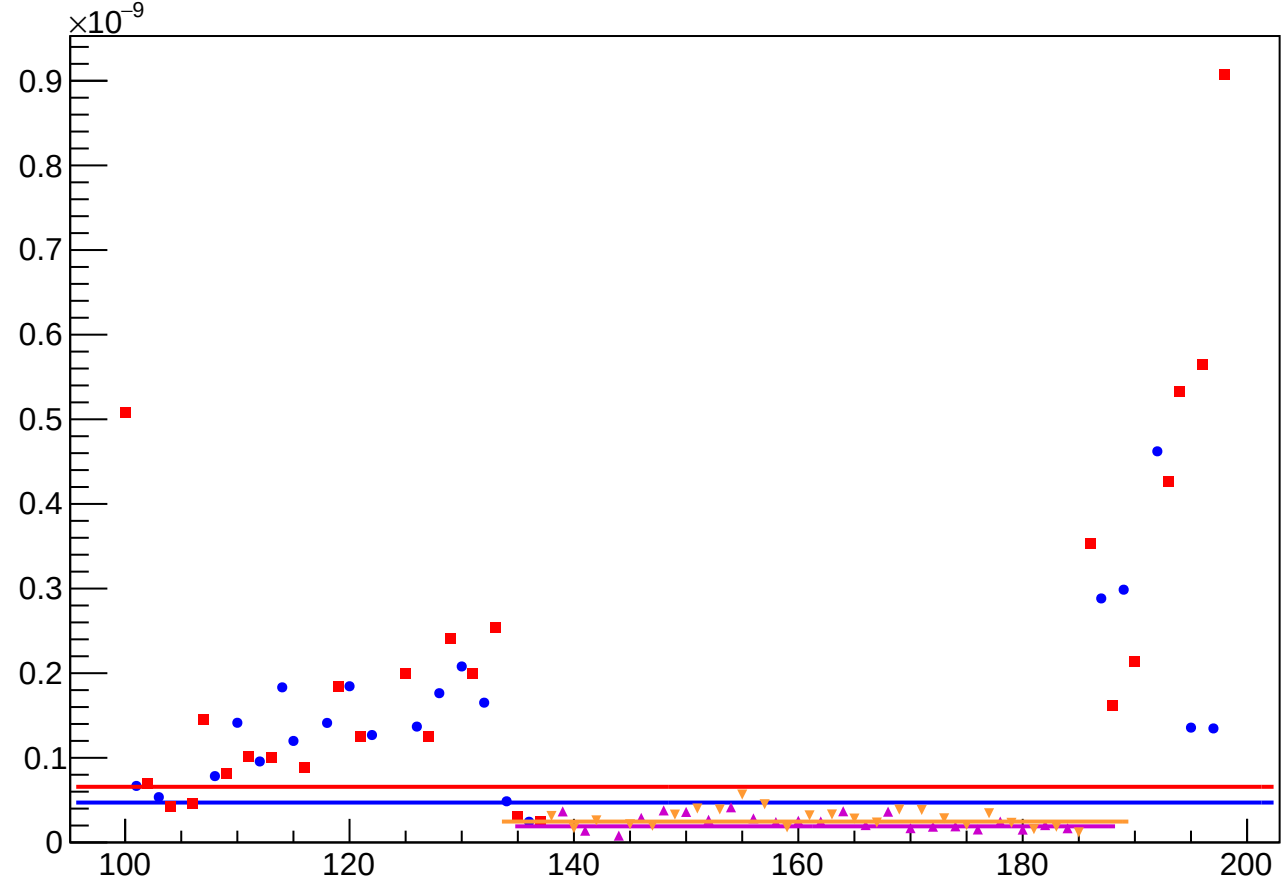
Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2736.993+/-0.367 χ^2/NDF: 2691017.6/44

All: 2752.124+/-0.259 χ^2/NDF: 6212286.7/92

- sign 2767.077+/-0.365 χ^2/NDF: 3517890.8/47


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 15.1/20
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/24
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 28.9/44
All: -0.000+/-0.000 χ²/NDF: 82.1/92
- sign -0.000+/-0.000 χ²/NDF: 50.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 3591658.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5182397.2/24

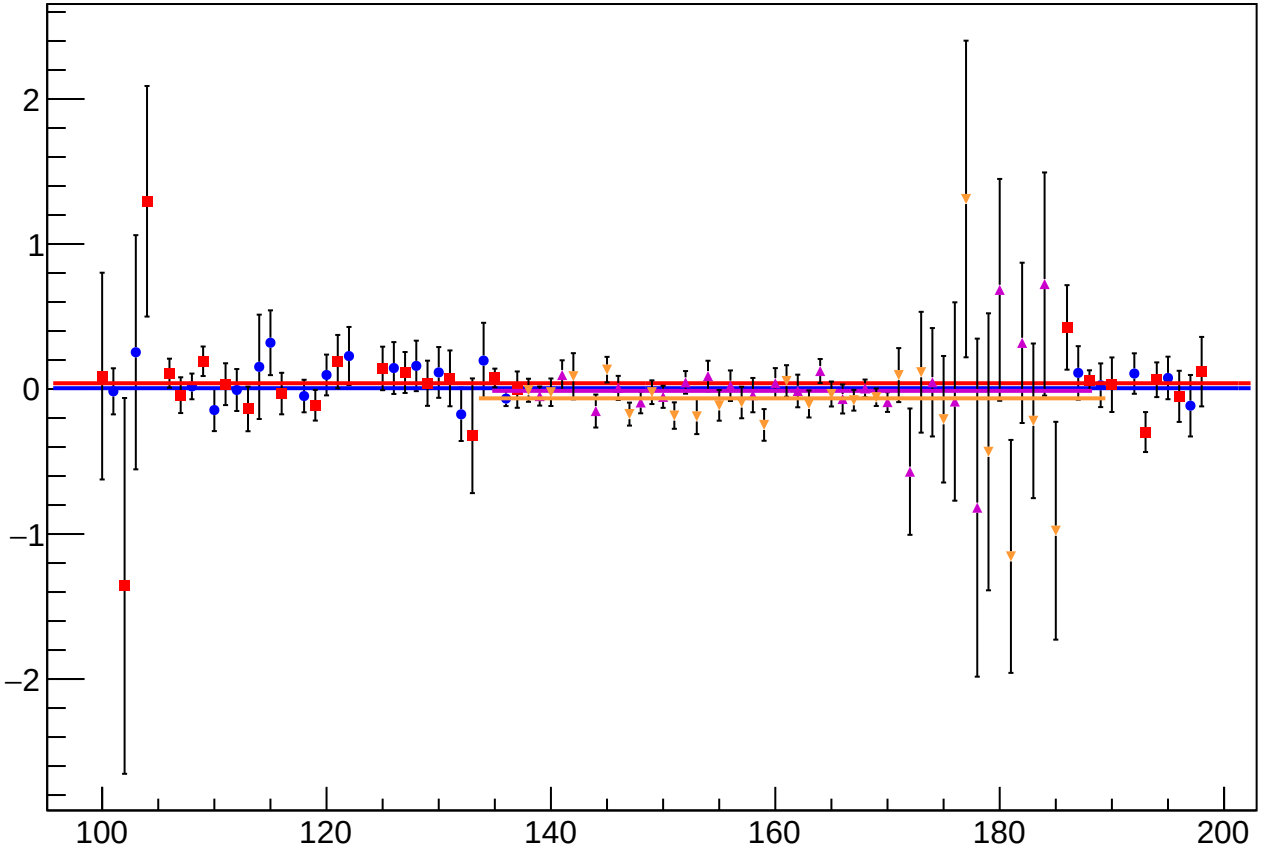
Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5808489.4/44

All: 0.000+/-0.000 χ^2/NDF: 15894171.1/92

- sign 0.000+/-0.000 χ^2/NDF: 9695752.6/47

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.029 χ^2/NDF: 11.8/20

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

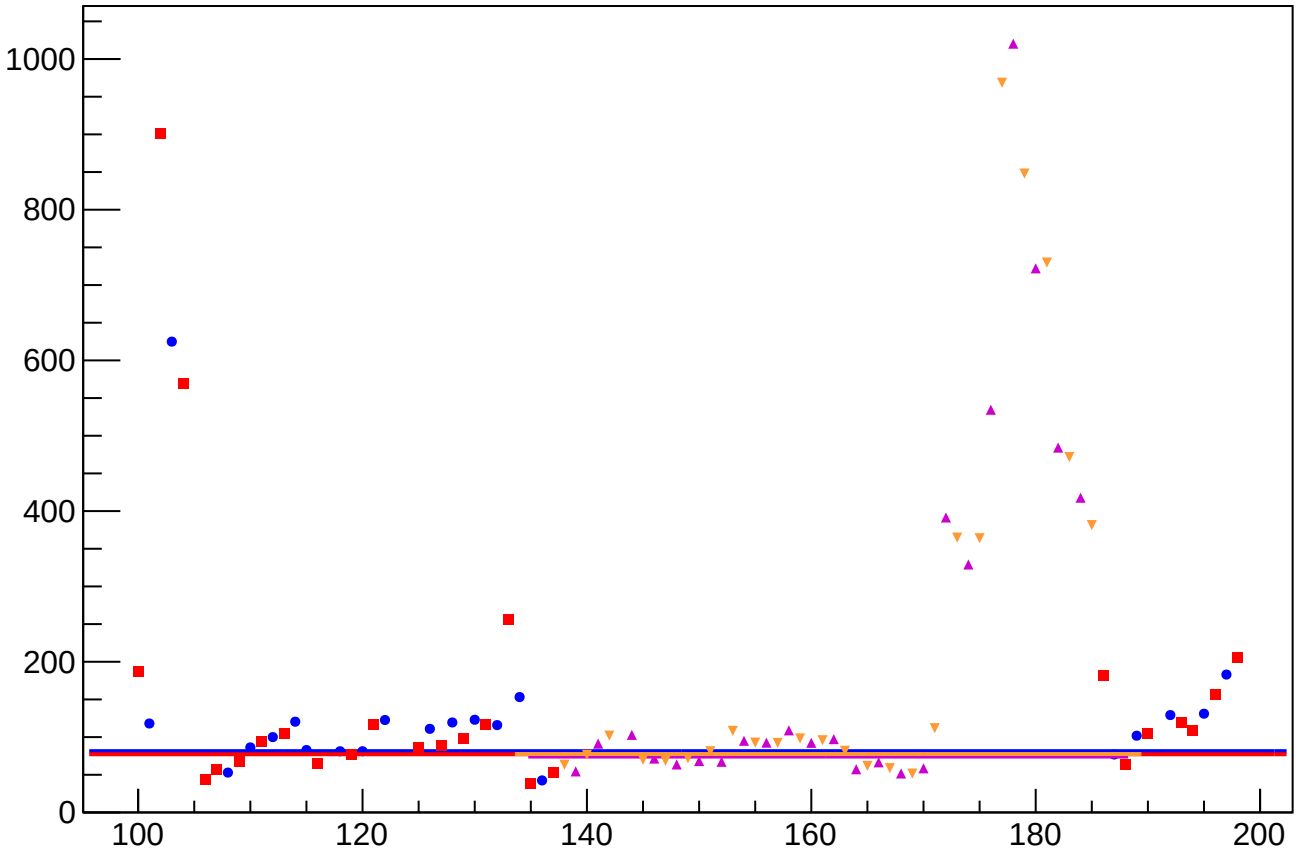
Right Out: 0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.039+/-0.018 χ^2/NDF: 37.8/44

All: -0.014+/-0.012 χ^2/NDF: 80.2/92

- sign 0.008+/-0.017 χ^2/NDF: 38.7/47



Right In: 81.343+/-0.021 χ^2/NDF: 3945076.1/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 77.248+/-0.019 χ^2/NDF: 5154569.4/24

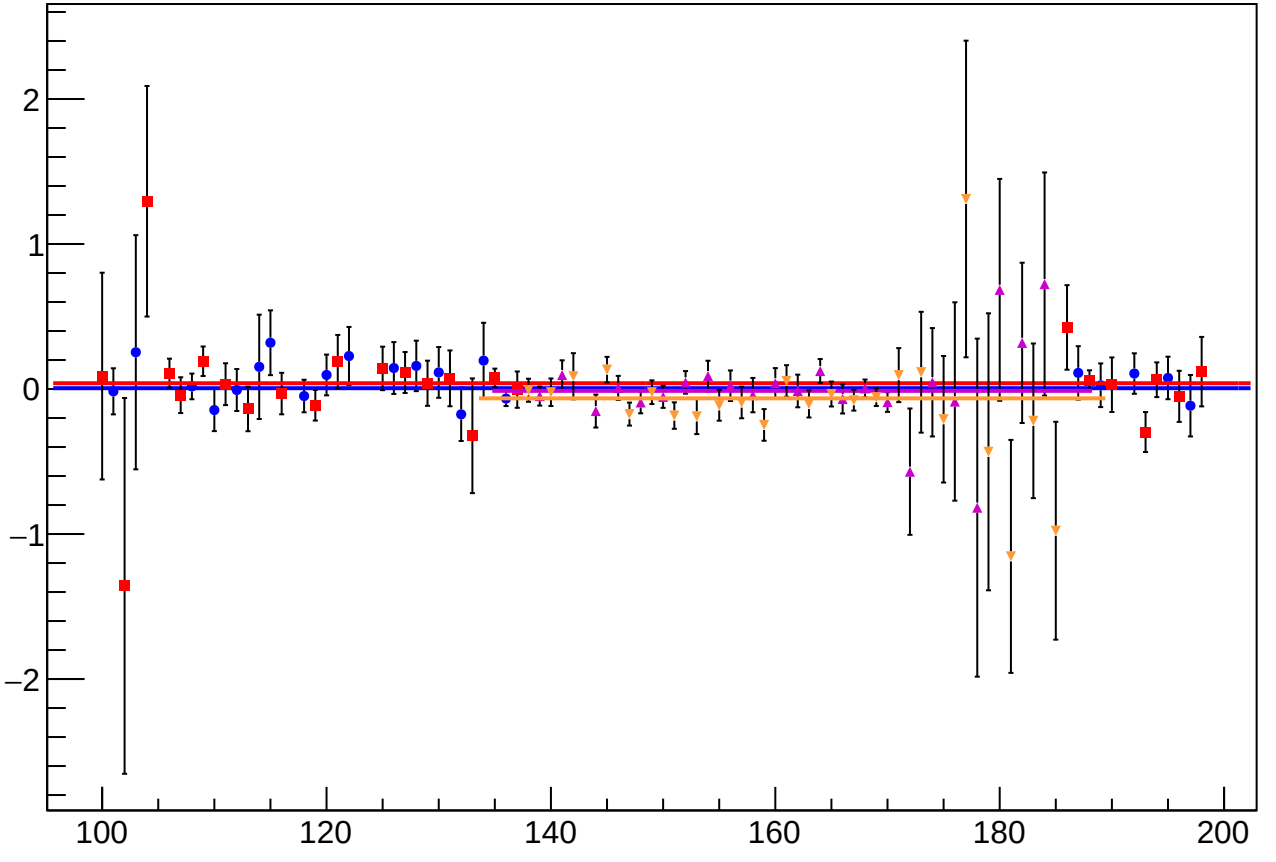
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 78.909+/-0.012 χ^2/NDF: 12297724.4/44

All: 77.033+/-0.009 χ^2/NDF: 26024609.0/92

- sign 75.385+/-0.012 χ^2/NDF: 13684533.8/47

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.029 χ^2/NDF: 11.8/20

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

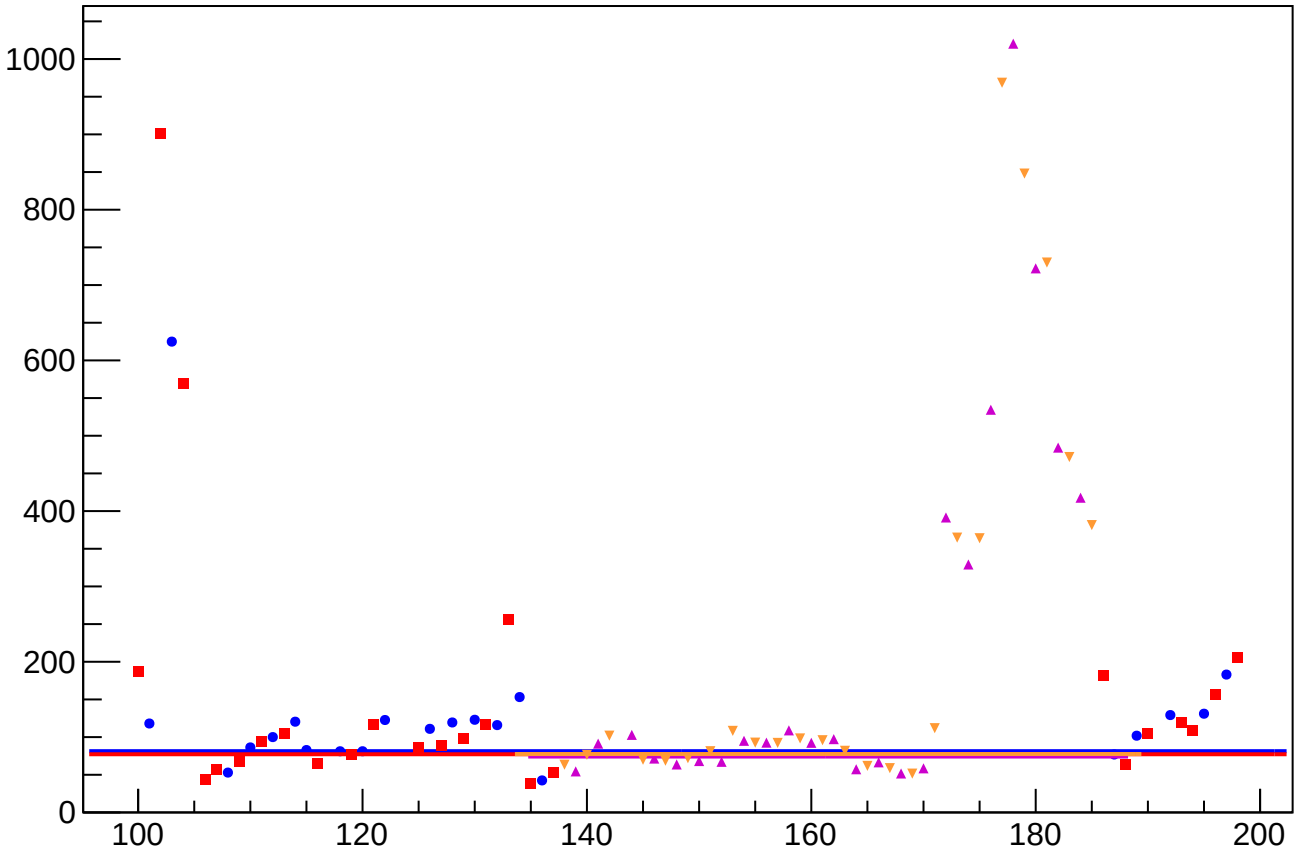
Right Out: 0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.039+/-0.018 χ^2/NDF: 37.8/44

All: -0.014+/-0.012 χ^2/NDF: 80.2/92

- sign 0.008+/-0.017 χ^2/NDF: 38.7/47



Right In: 81.343+/-0.021 χ^2/NDF: 3945076.1/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

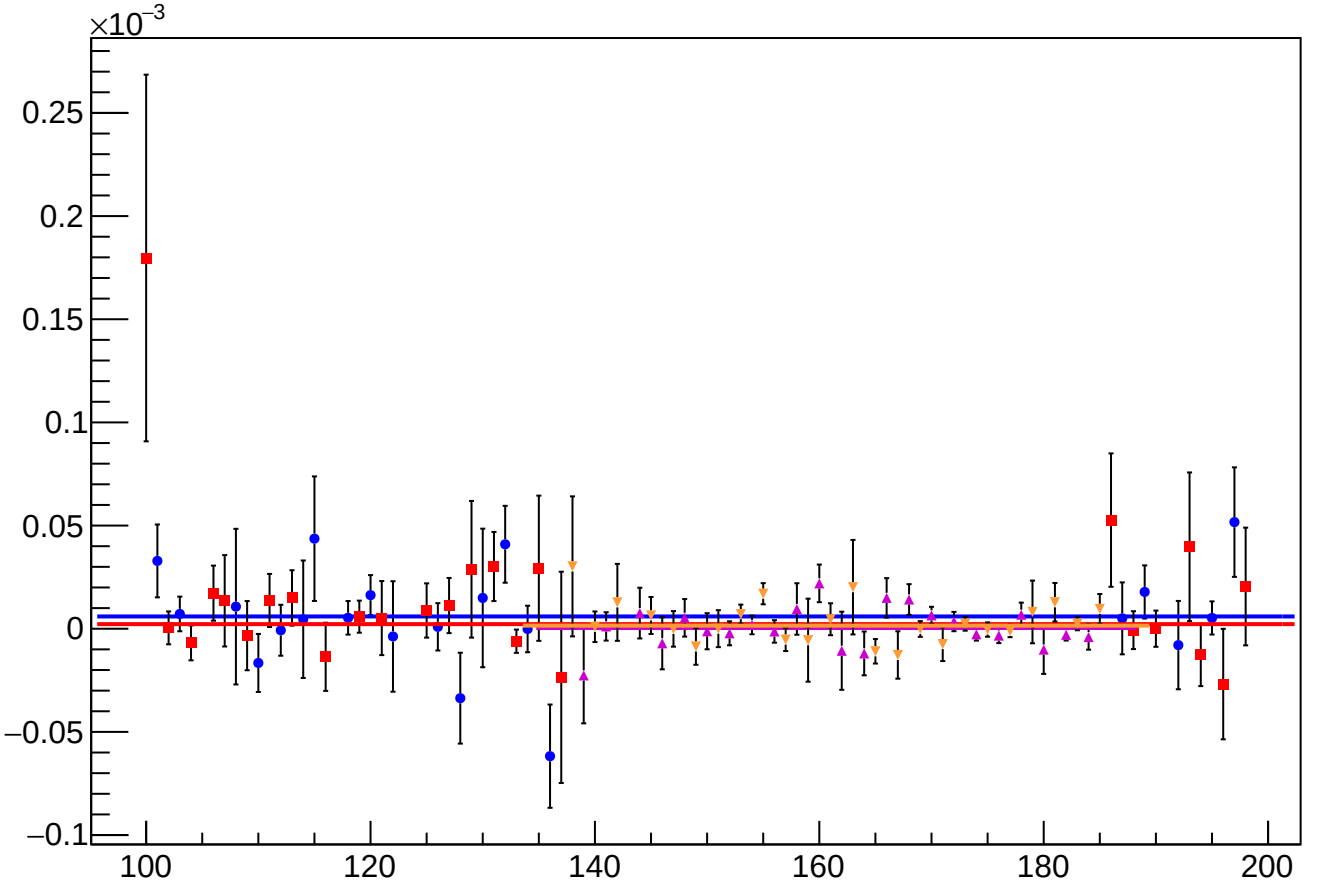
Right Out: 77.248+/-0.019 χ^2/NDF: 5154569.4/24

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 78.909+/-0.012 χ^2/NDF: 12297724.4/44

All: 77.033+/-0.009 χ^2/NDF: 26024609.0/92

- sign 75.385+/-0.012 χ^2/NDF: 13684533.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

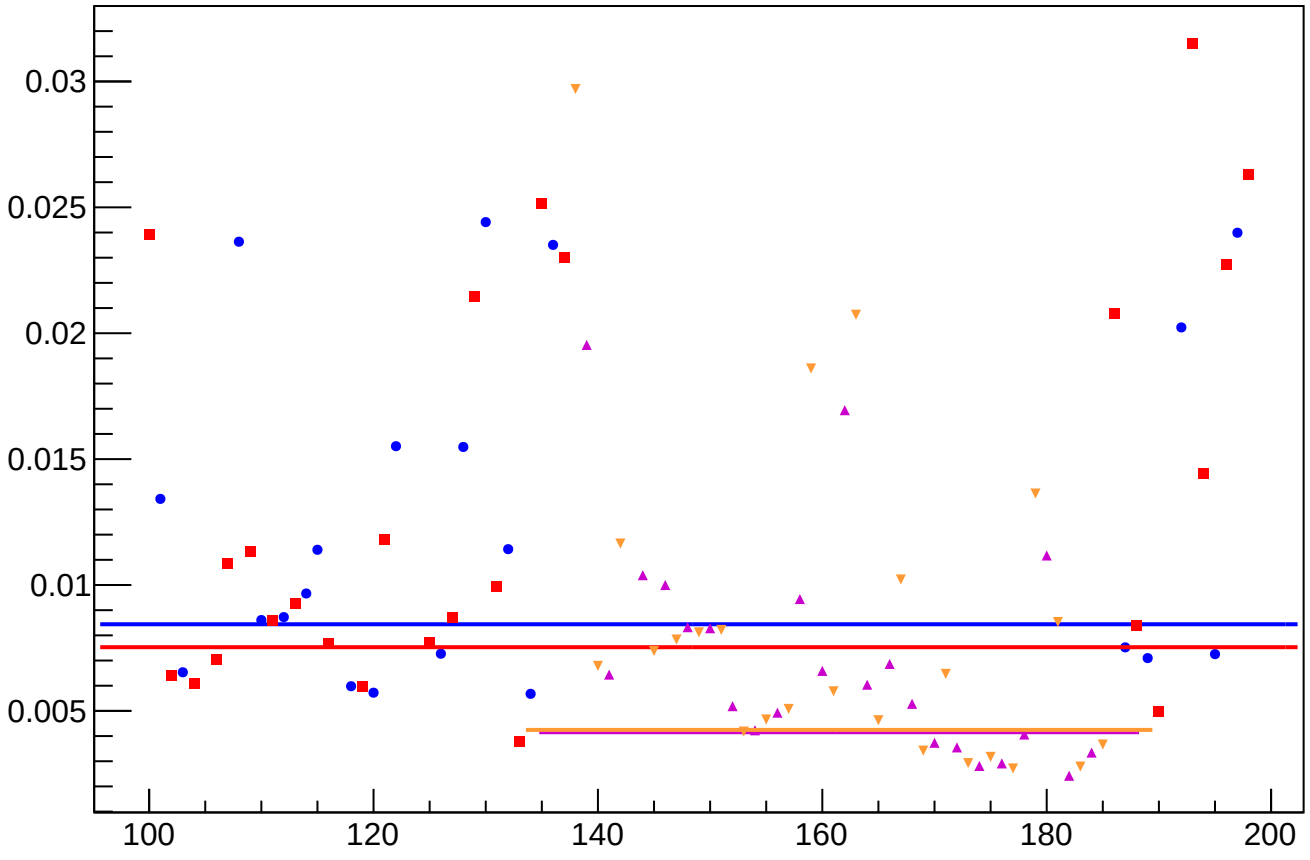
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/24

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/44

All: 0.000+/-0.000 χ^2/NDF: 104.9/92

- sign 0.000+/-0.000 χ^2/NDF: 48.1/47



Right In: 0.008+/-0.000 χ^2/NDF: 4028722.5/20

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.008+/-0.000 χ^2/NDF: 5878852.4/24

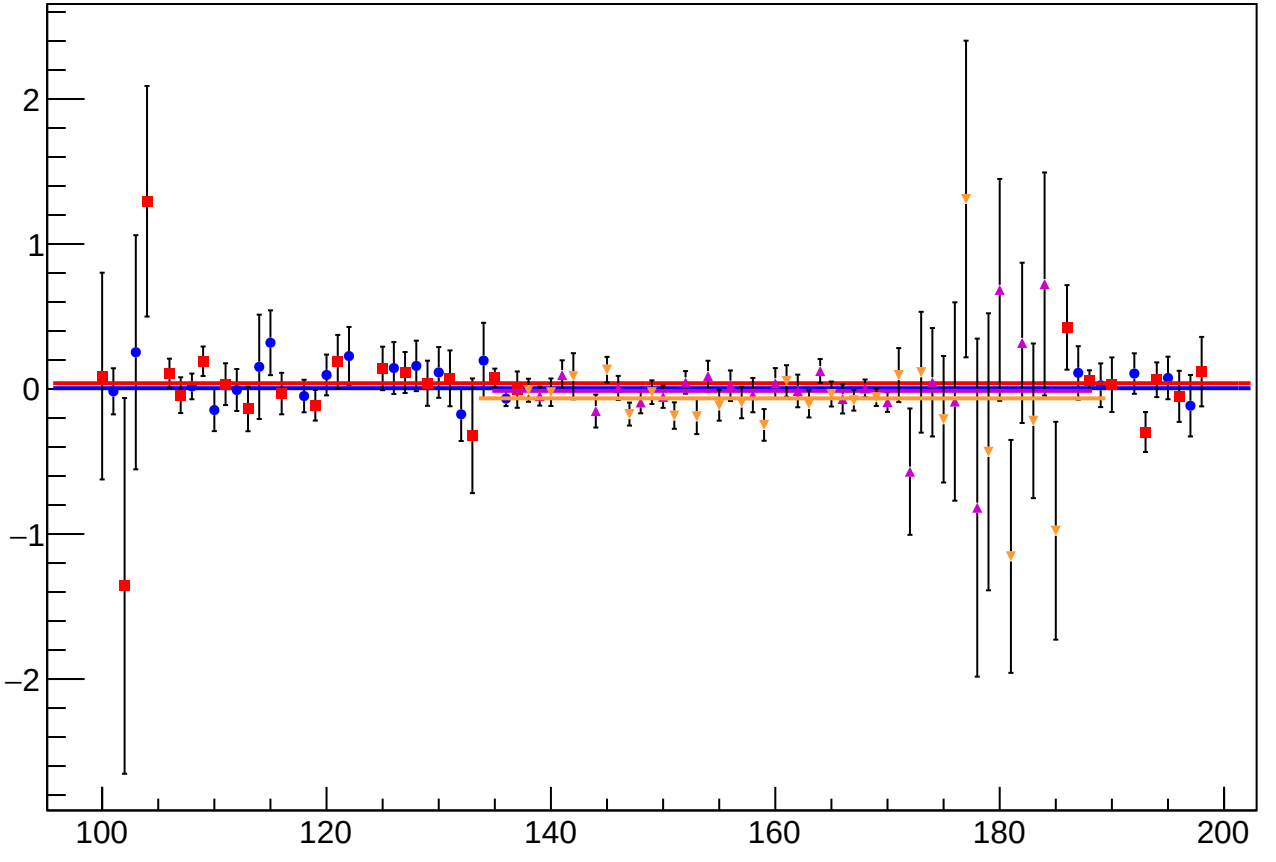
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 16067540.2/44

All: 0.005+/-0.000 χ^2/NDF: 31781124.0/92

- sign 0.005+/-0.000 χ^2/NDF: 15713294.8/47

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.029 χ^2/NDF: 11.8/20

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

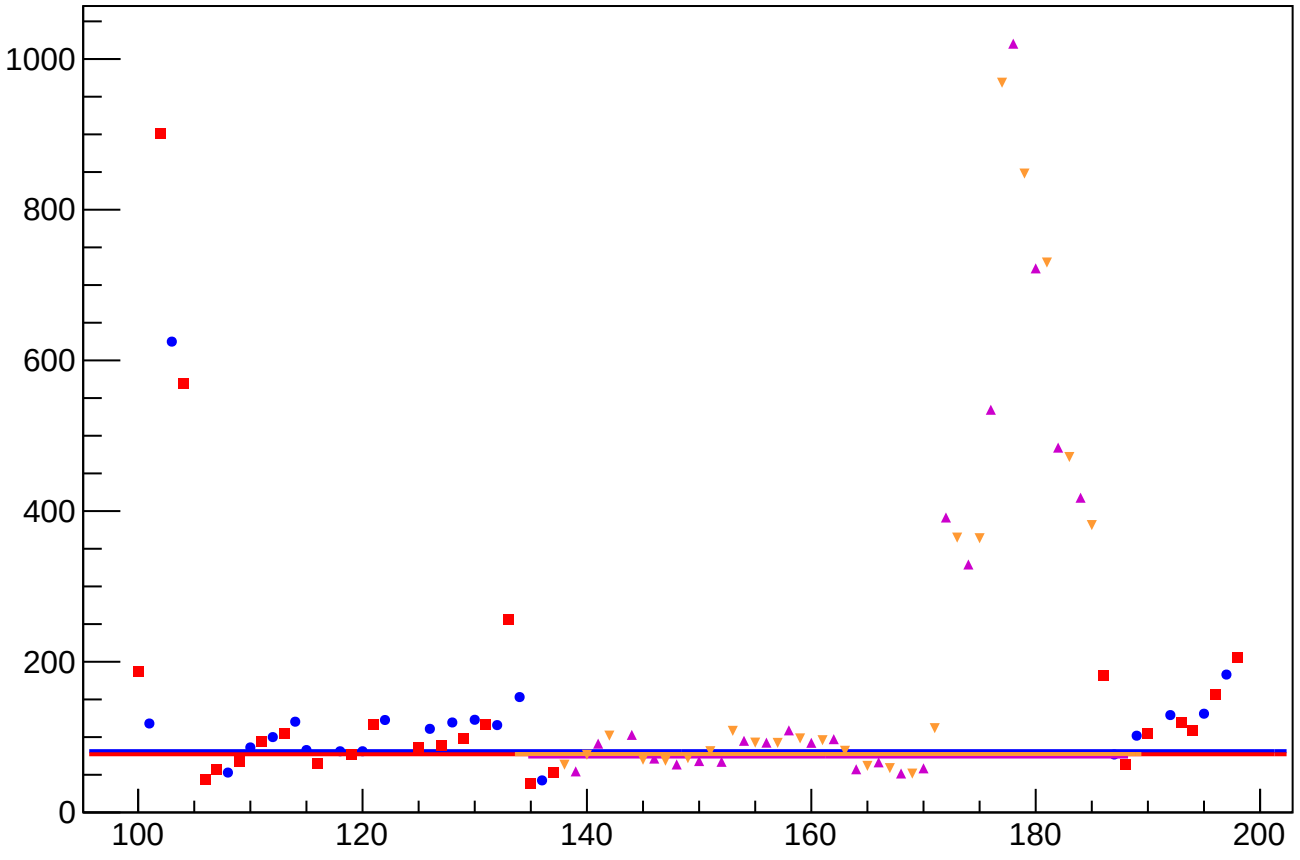
Right Out: 0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.039+/-0.018 χ^2/NDF: 37.8/44

All: -0.014+/-0.012 χ^2/NDF: 80.2/92

- sign 0.008+/-0.017 χ^2/NDF: 38.7/47



Right In: 81.367+/-0.021 χ^2/NDF: 3941895.3/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

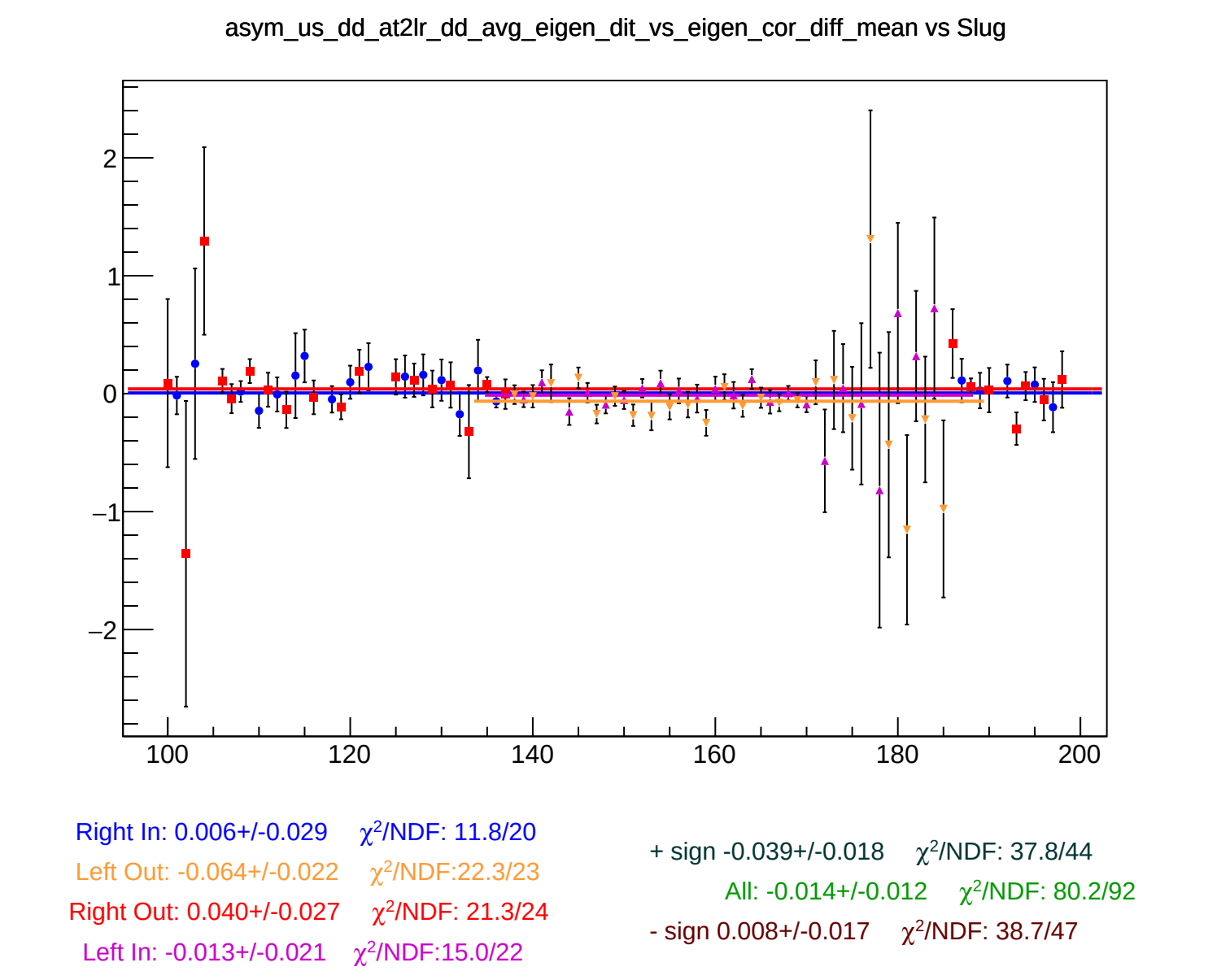
Right Out: 77.239+/-0.019 χ^2/NDF: 5155919.3/24

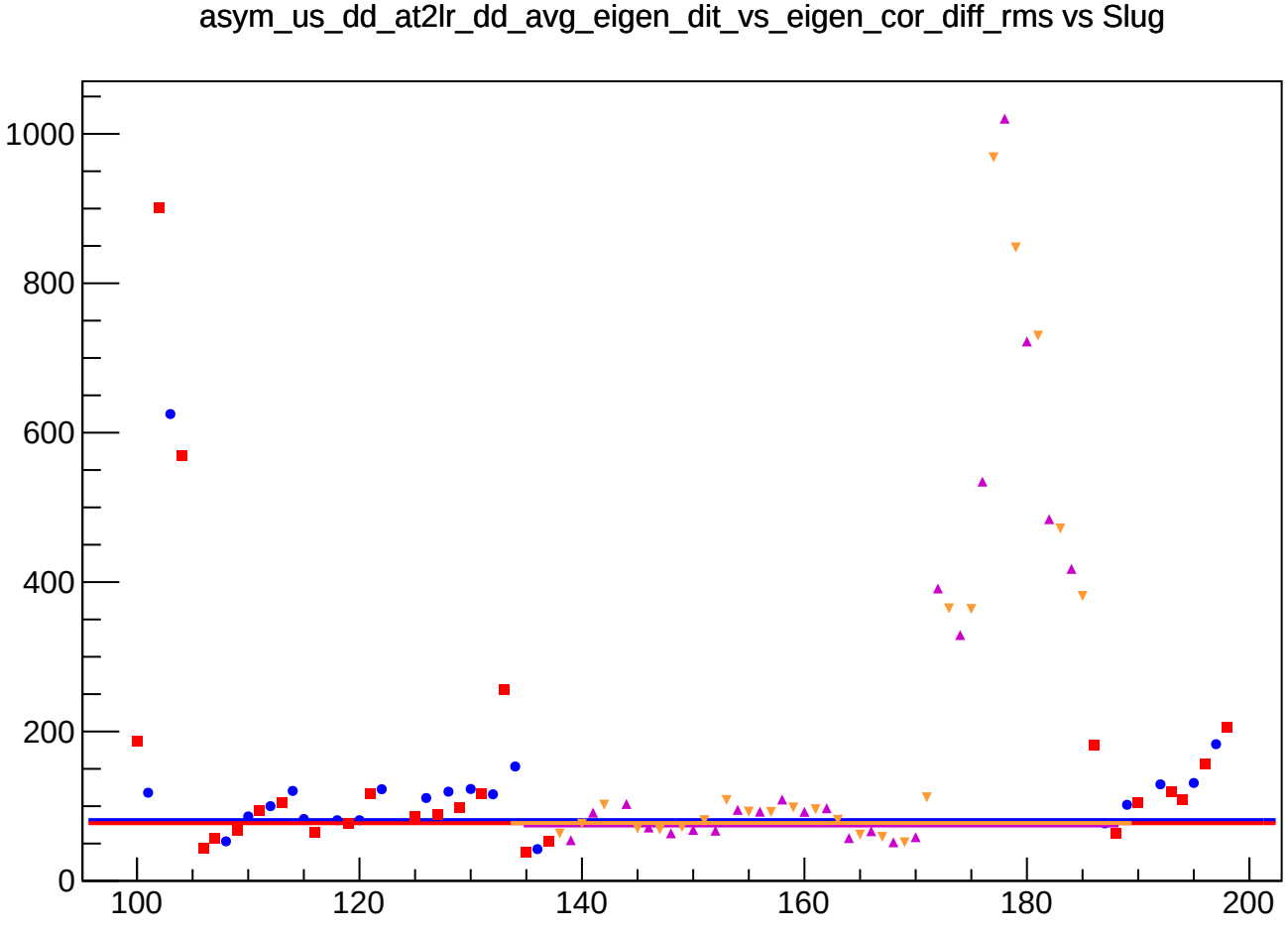
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 78.917+/-0.012 χ^2/NDF: 12294721.3/44

All: 77.035+/-0.009 χ^2/NDF: 26022814.4/92

\- sign 75.383+/-0.012 χ^2/NDF: 13685492.9/47


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.006+/-0.029 χ²/NDF: 11.8/20
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.040+/-0.027 χ²/NDF: 21.3/24
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.039+/-0.018 χ²/NDF: 37.8/44
All: -0.014+/-0.012 χ²/NDF: 80.2/92
- sign 0.008+/-0.017 χ²/NDF: 38.7/47



Right In: 81.367+/-0.021 χ^2/NDF: 3941895.3/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

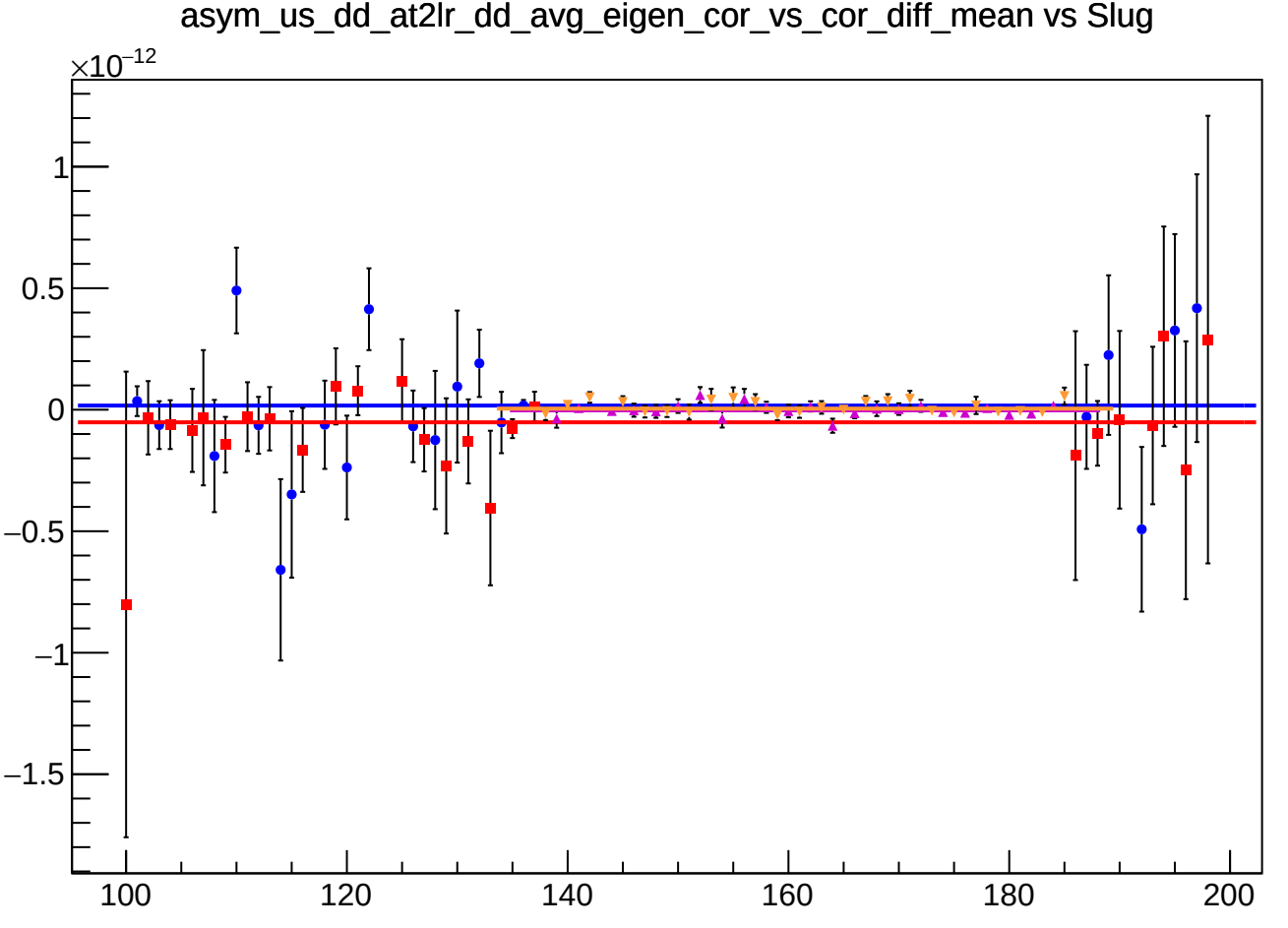
Right Out: 77.239+/-0.019 χ^2/NDF: 5155919.3/24

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 78.917+/-0.012 χ^2/NDF: 12294721.3/44

All: 77.035+/-0.009 χ^2/NDF: 26022814.4/92

- sign 75.383+/-0.012 χ^2/NDF: 13685492.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

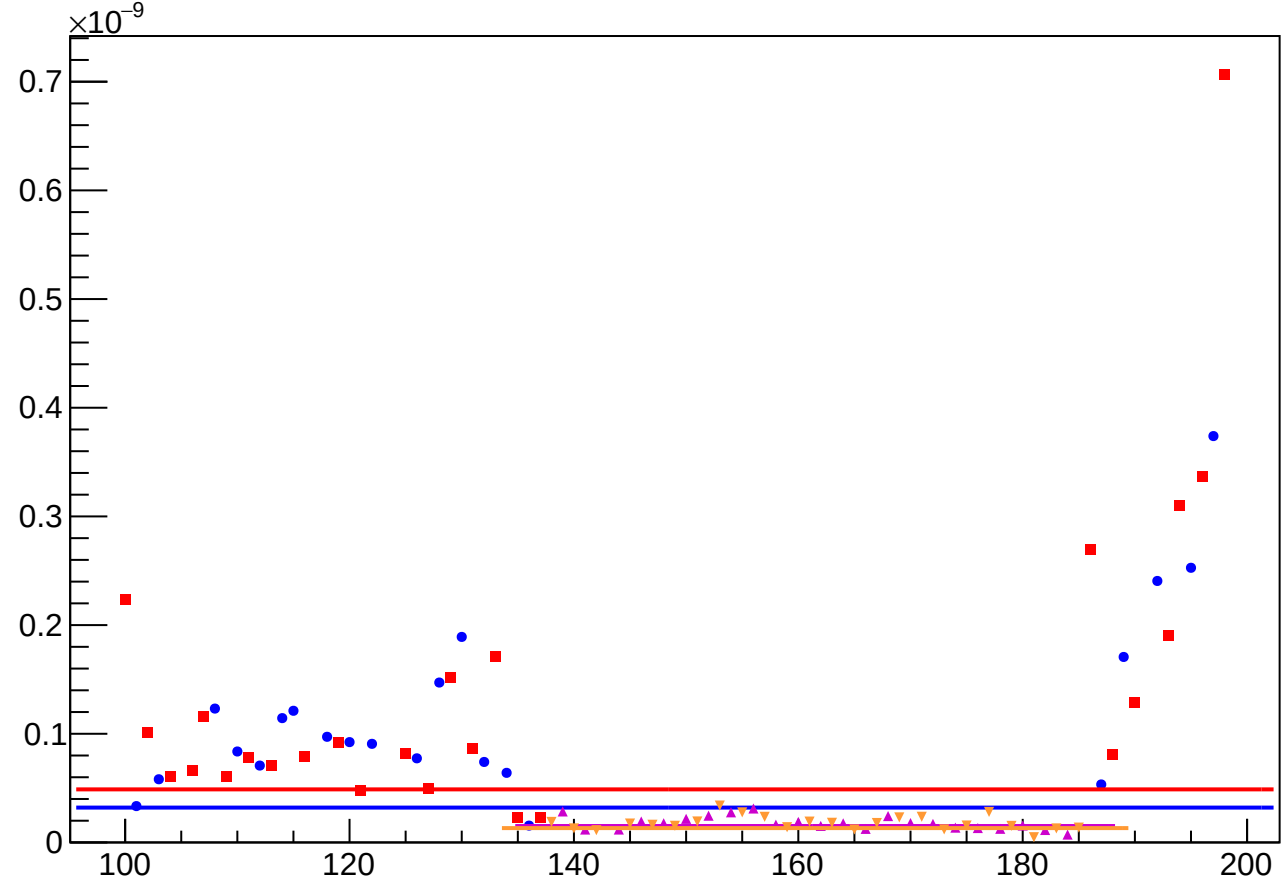
Right Out: -0.000+/-0.000 χ^2/NDF: 10.1/24

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.3/44

All: 0.000+/-0.000 χ^2/NDF: 83.2/92

- sign -0.000+/-0.000 χ^2/NDF: 31.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 6631109.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6092265.8/24

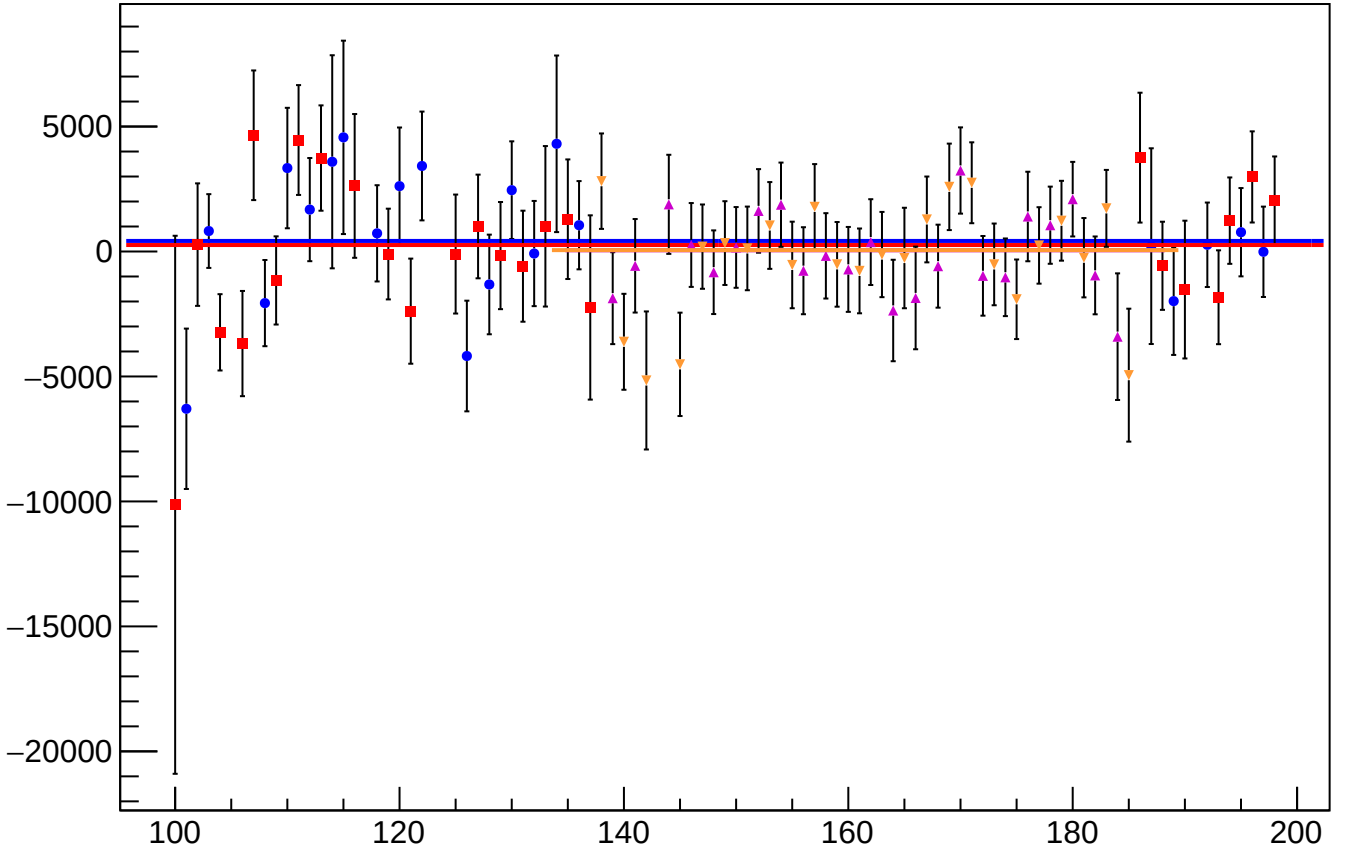
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12713715.0/44

All: 0.000+/-0.000 χ^2/NDF: 24961470.0/92

- sign 0.000+/-0.000 χ^2/NDF: 11996401.9/47

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 422.796+/-461.945 χ^2/NDF: 21.8/20

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 258.862+/-430.528 χ^2/NDF: 30.1/24

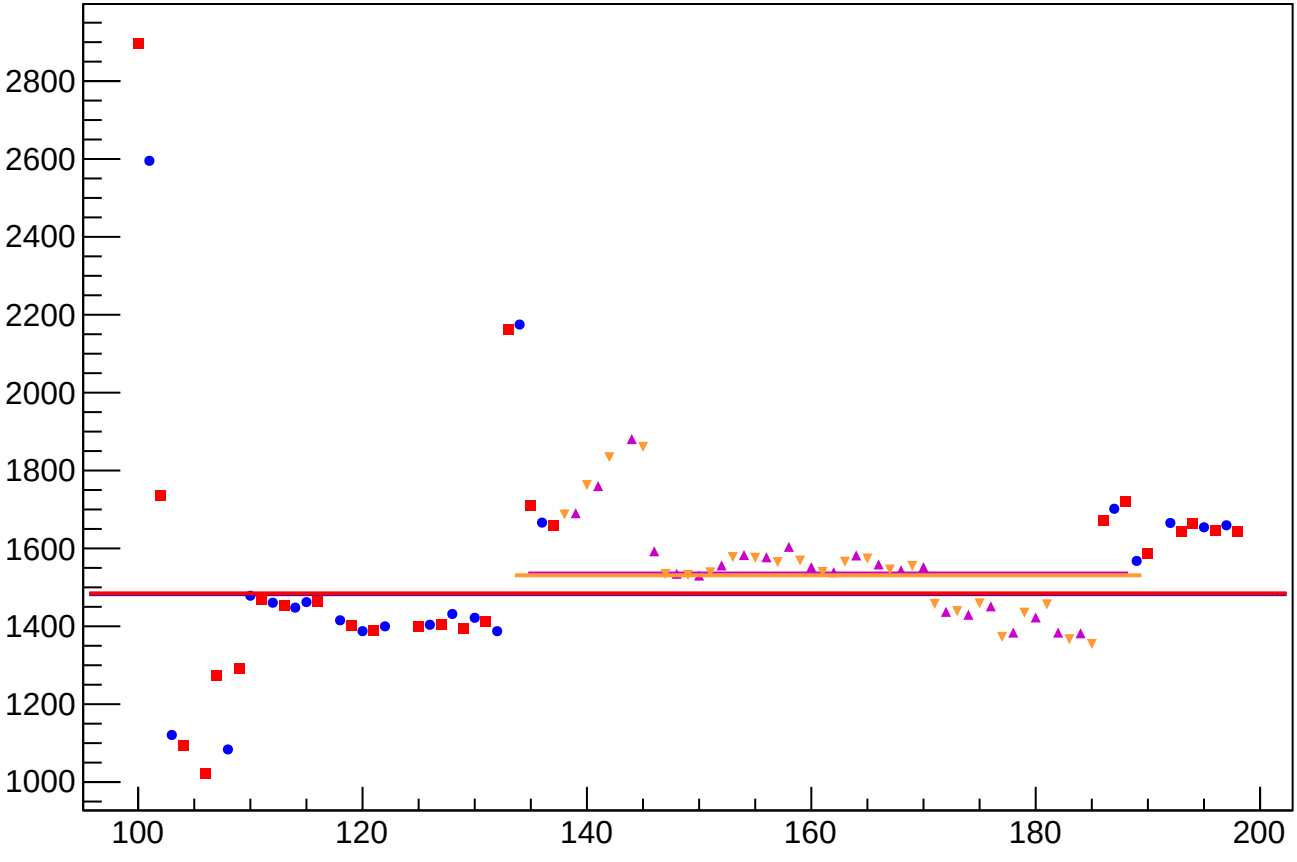
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 192.082+/-282.166 χ^2/NDF: 50.6/44

All: 162.773+/-197.291 χ^2/NDF: 97.7/92

- sign 134.738+/-275.960 χ^2/NDF: 47.1/47

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1482.556+/-0.327 χ^2/NDF: 655837.3/20

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

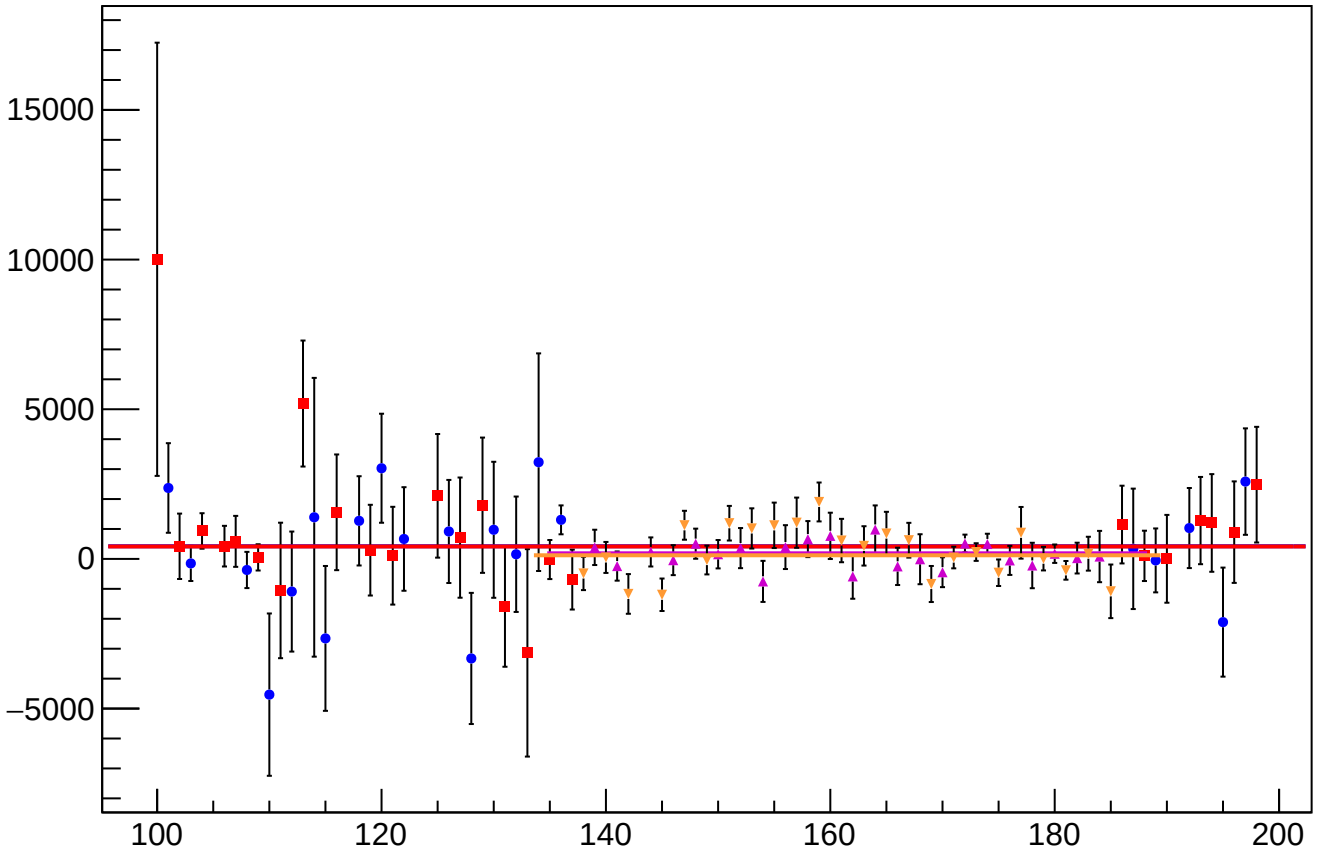
Right Out: 1484.573+/-0.304 χ^2/NDF: 568641.9/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1512.910+/-0.200 χ^2/NDF: 873152.0/44

All: 1513.777+/-0.140 χ^2/NDF: 1650783.9/92

- sign 1514.606+/-0.195 χ^2/NDF: 777595.0/47



Right In: 423.011+/-254.527 χ^2/NDF: 23.2/20

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 415.332+/-212.057 χ^2/NDF: 16.3/24

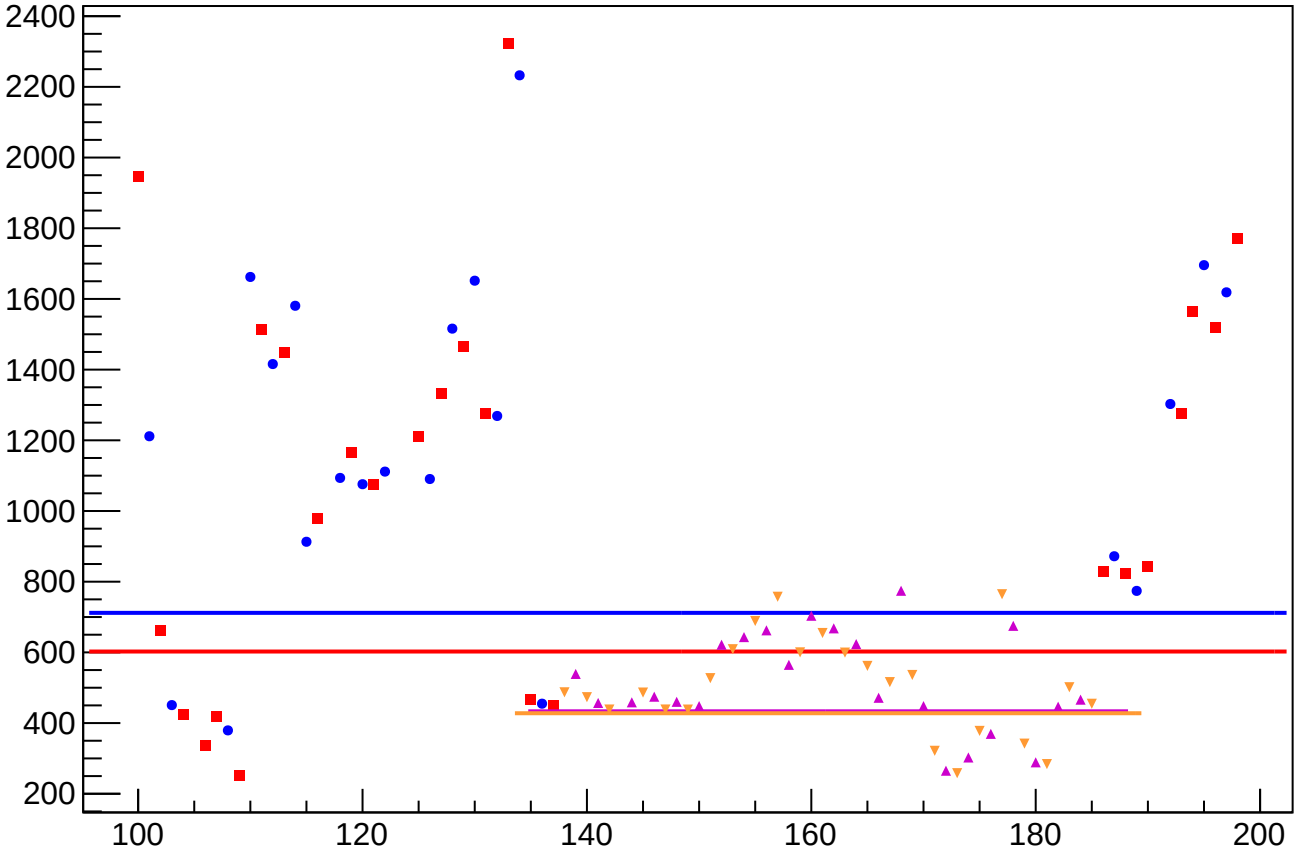
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 165.244+/-97.112 χ^2/NDF: 68.0/44

All: 199.778+/-68.095 χ^2/NDF: 97.1/92

- sign 233.182+/-95.511 χ^2/NDF: 28.9/47

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 711.840+/-0.180 χ^2/NDF: 5420315.6/20

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

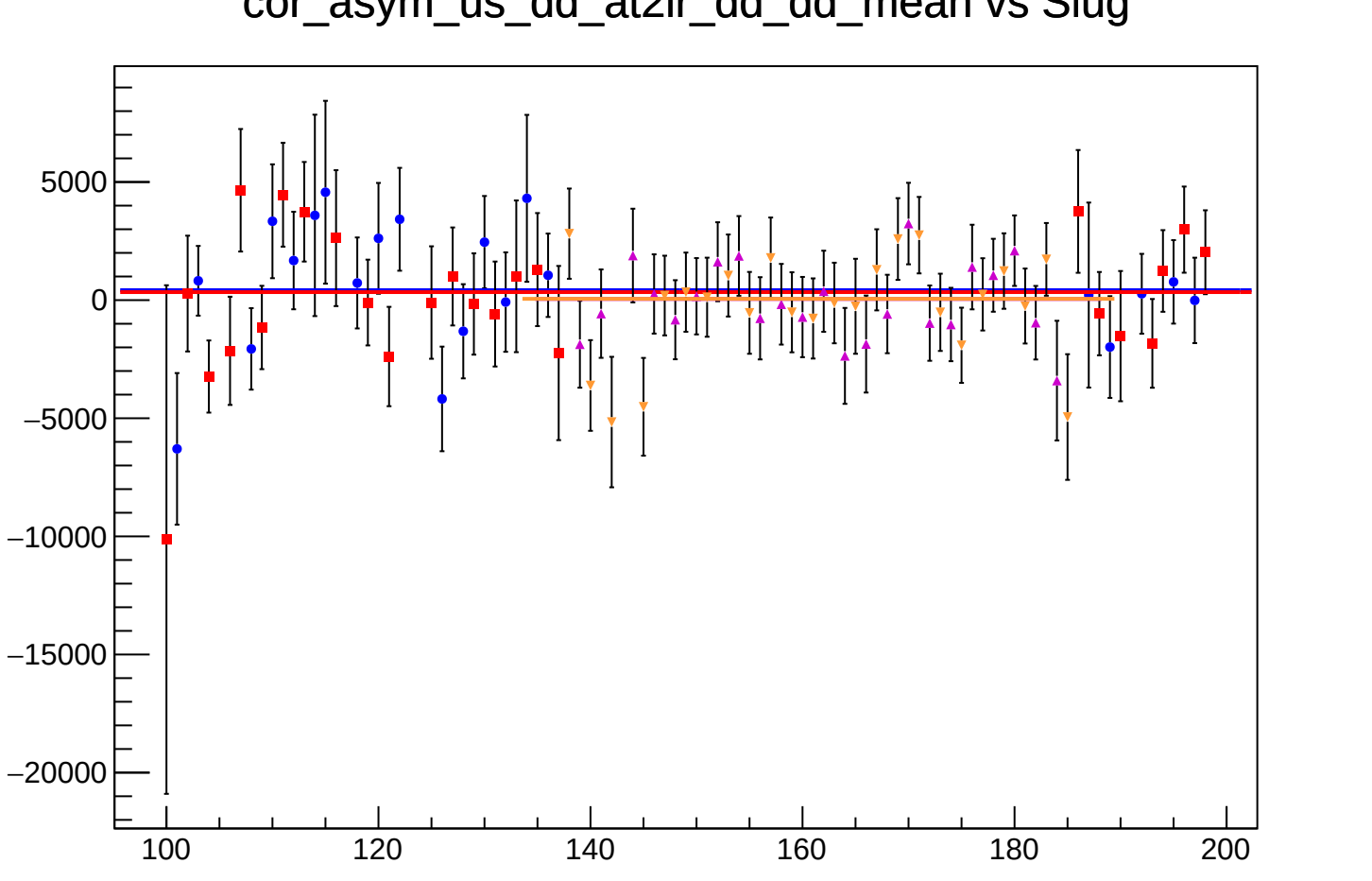
Right Out: 602.427+/-0.150 χ^2/NDF: 7383216.6/24

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 469.161+/-0.069 χ^2/NDF: 10736382.5/44

All: 468.365+/-0.048 χ^2/NDF: 22382175.1/92

- sign 467.596+/-0.068 χ^2/NDF: 11645528.5/47



Right In: 422.756+/-461.945 χ^2/NDF: 21.8/20

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 339.417+/-431.927 χ^2/NDF: 27.7/24

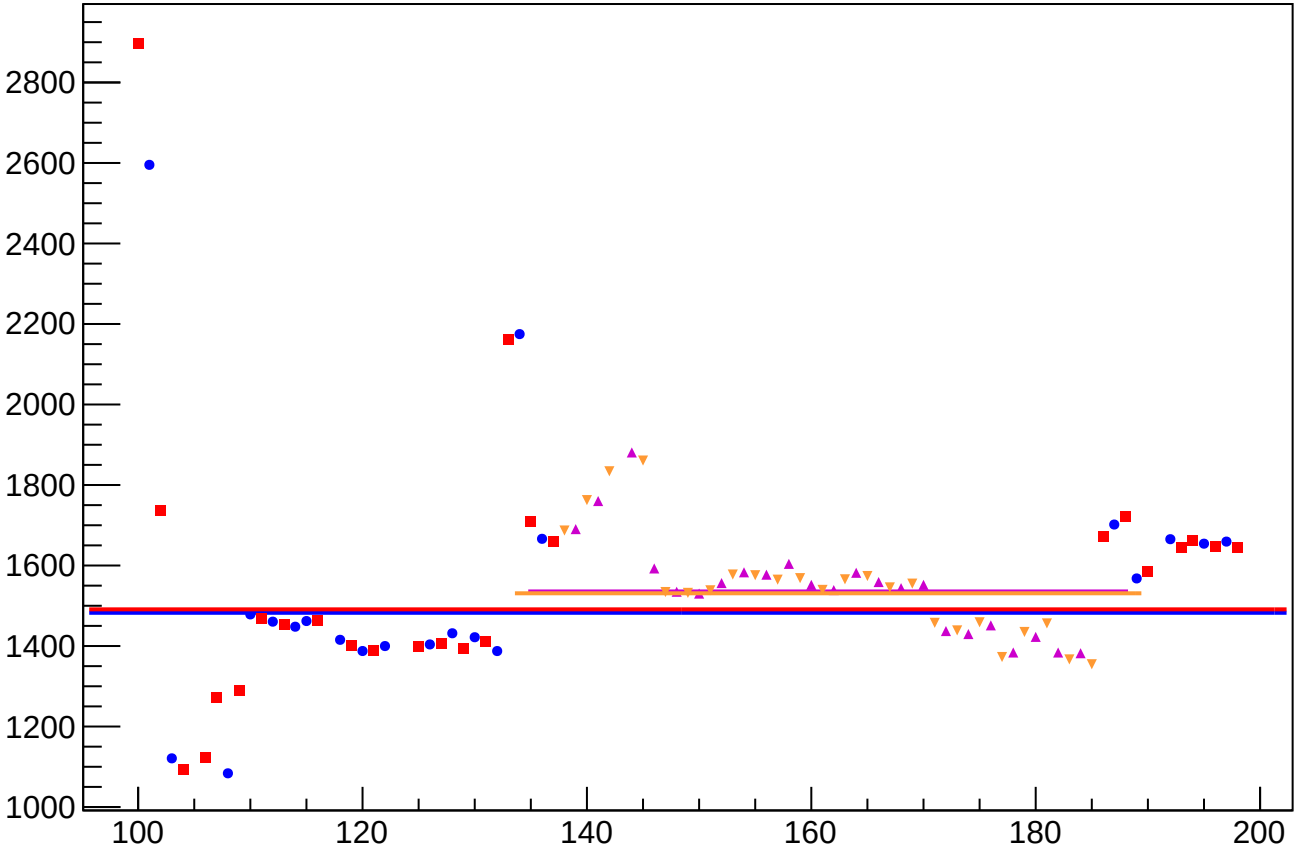
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 192.044+/-282.166 χ^2/NDF: 50.7/44

All: 179.477+/-197.425 χ^2/NDF: 95.4/92

- sign 167.424+/-276.328 χ^2/NDF: 44.7/47

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1482.556+/-0.327 χ^2/NDF: 655837.6/20

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

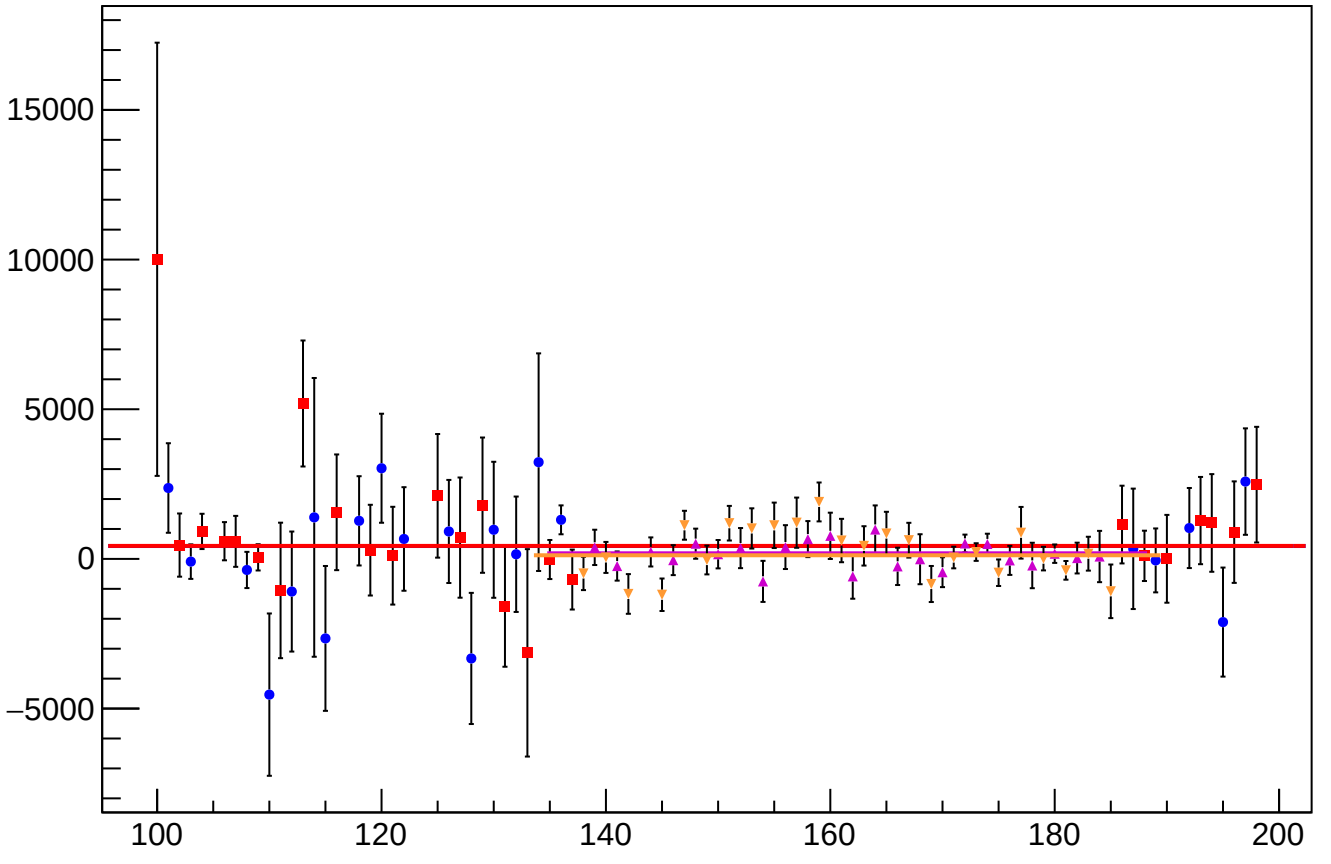
Right Out: 1491.108+/-0.305 χ^2/NDF: 522112.3/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1512.910+/-0.200 χ^2/NDF: 873152.3/44

All: 1515.182+/-0.140 χ^2/NDF: 1600459.6/92

- sign 1517.361+/-0.195 χ^2/NDF: 727053.3/47



Right In: 430.453+/-253.600 χ^2/NDF: 23.0/20

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 434.000+/-210.266 χ^2/NDF: 16.4/24

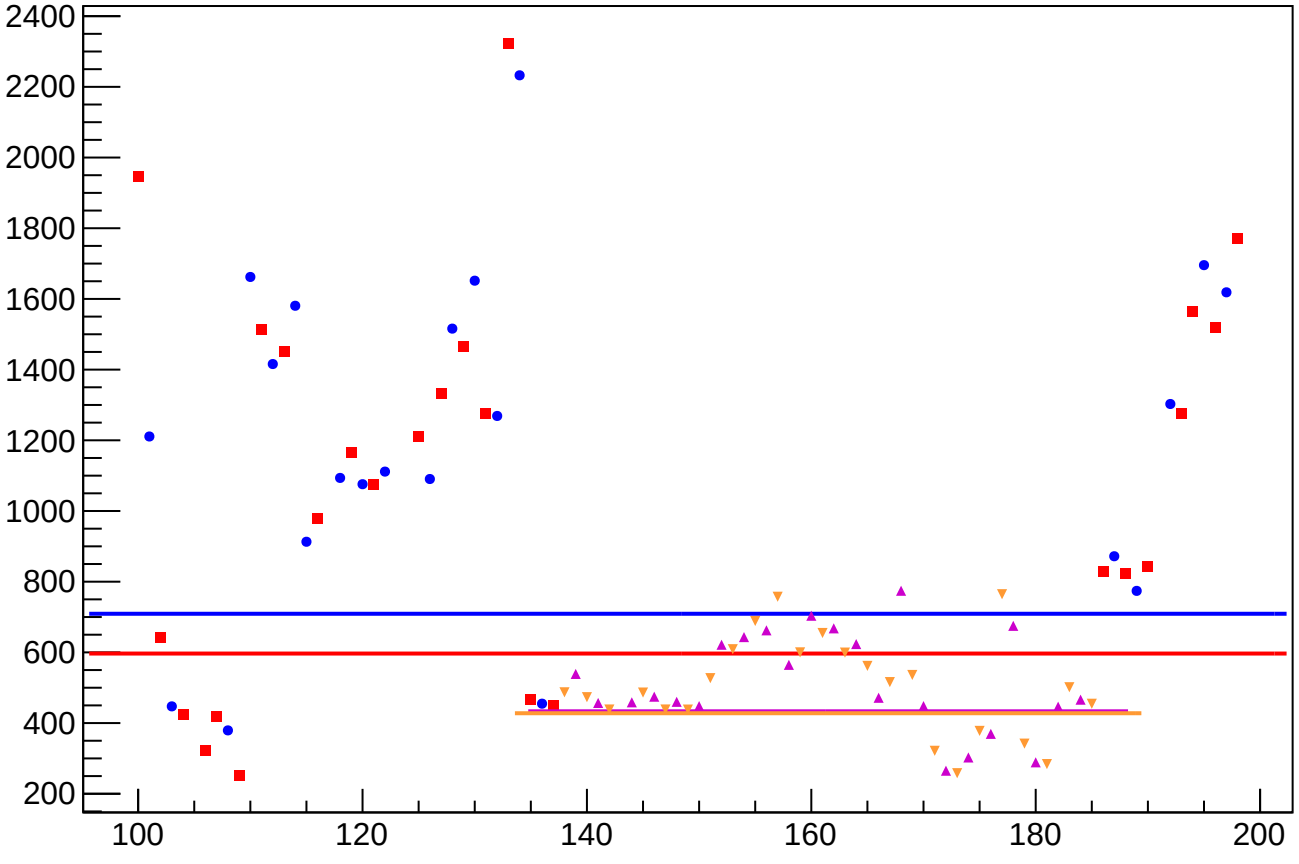
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 166.608+/-97.061 χ^2/NDF: 67.9/44

All: 202.847+/-68.018 χ^2/NDF: 97.3/92

- sign 237.816+/-95.345 χ^2/NDF: 29.1/47

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 709.253+/-0.179 χ^2/NDF: 5446422.7/20

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

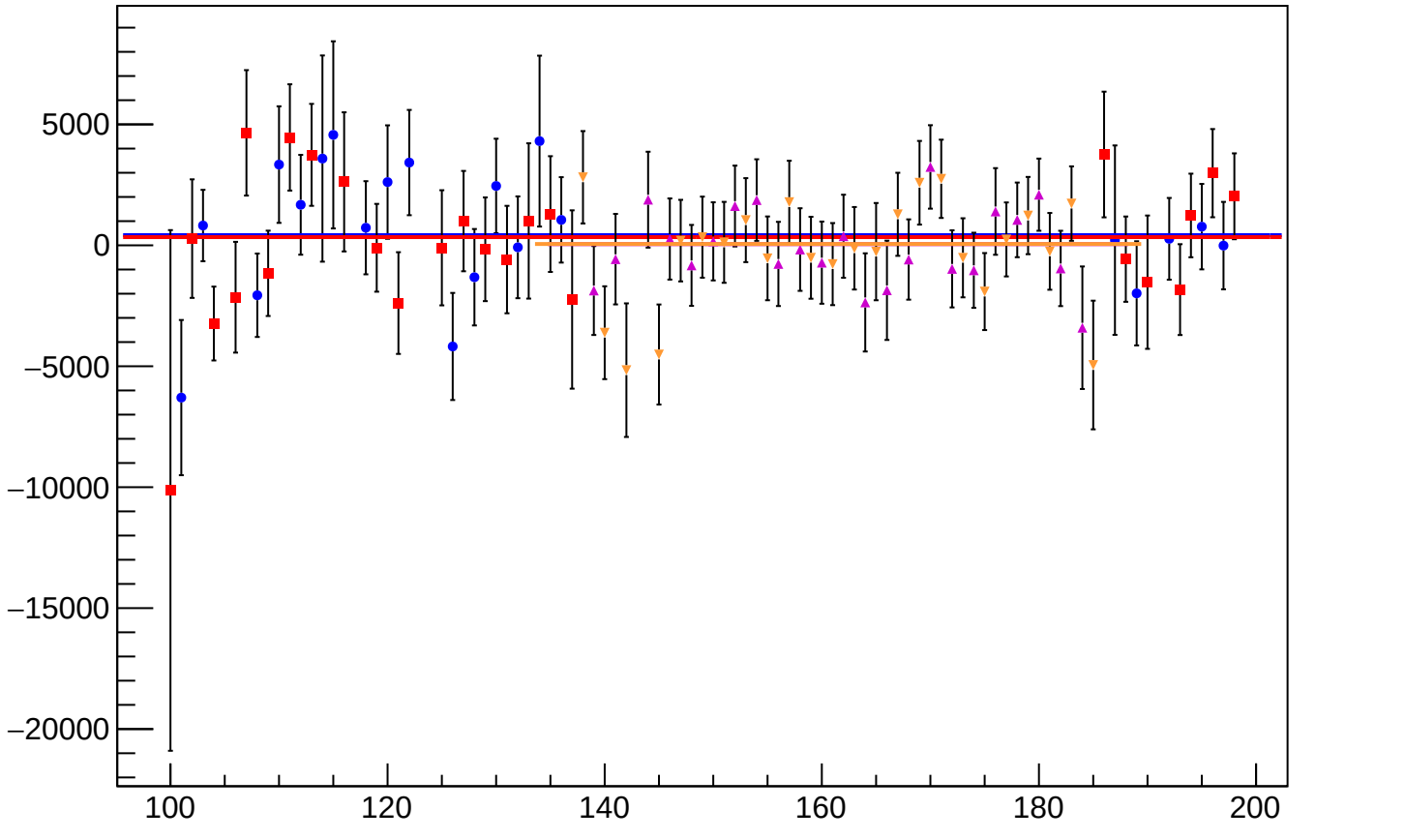
Right Out: 596.702+/-0.149 χ^2/NDF: 7455992.7/24

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 469.040+/-0.069 χ^2/NDF: 10737197.9/44

All: 467.944+/-0.048 χ^2/NDF: 22401214.3/92

- sign 466.886+/-0.067 χ^2/NDF: 11663515.0/47



Right In: 422.756+/-461.945 χ^2/NDF: 21.8/20

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 339.417+/-431.927 χ^2/NDF: 27.7/24

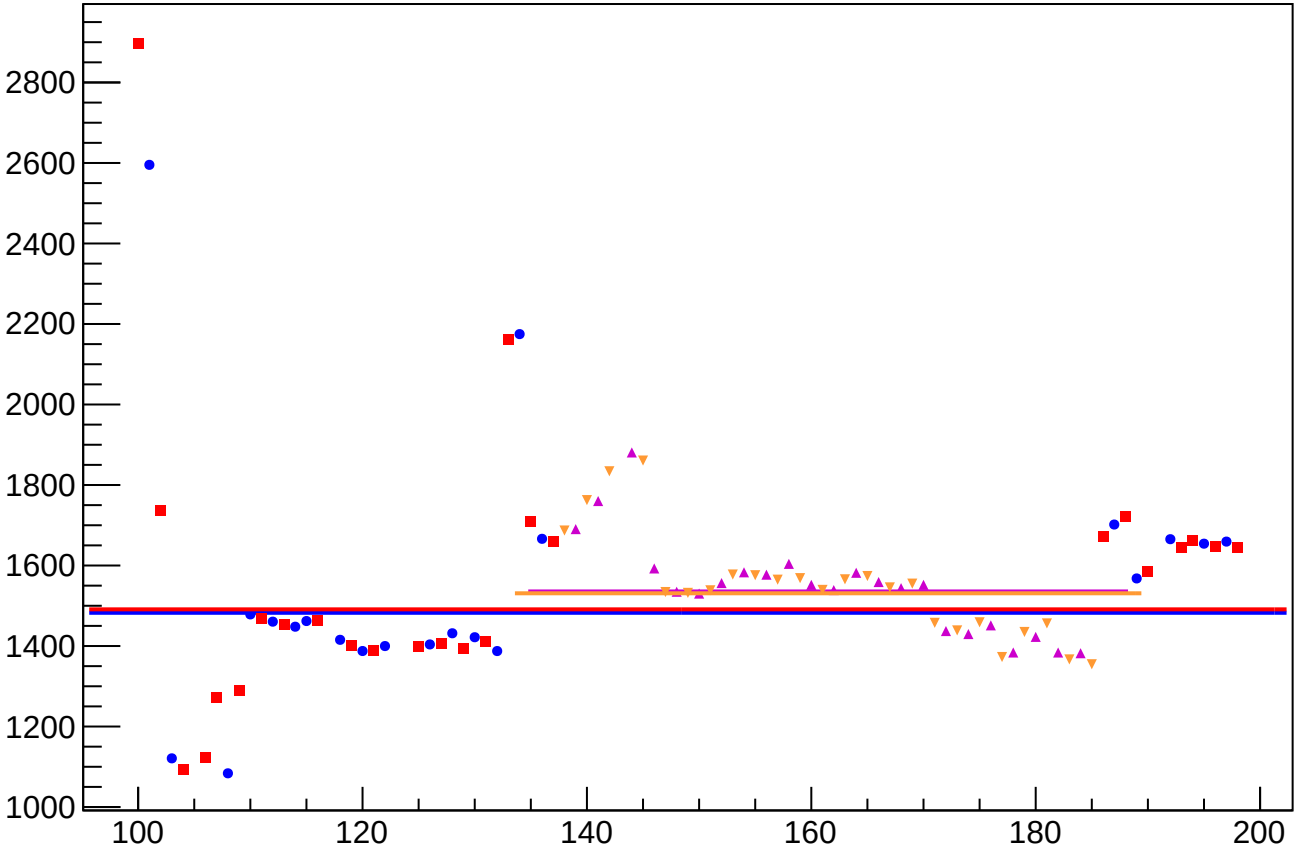
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 192.044+/-282.166 χ^2/NDF: 50.7/44

All: 179.477+/-197.425 χ^2/NDF: 95.4/92

- sign 167.424+/-276.328 χ^2/NDF: 44.7/47

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1482.556+/-0.327 χ^2/NDF: 655837.6/20

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

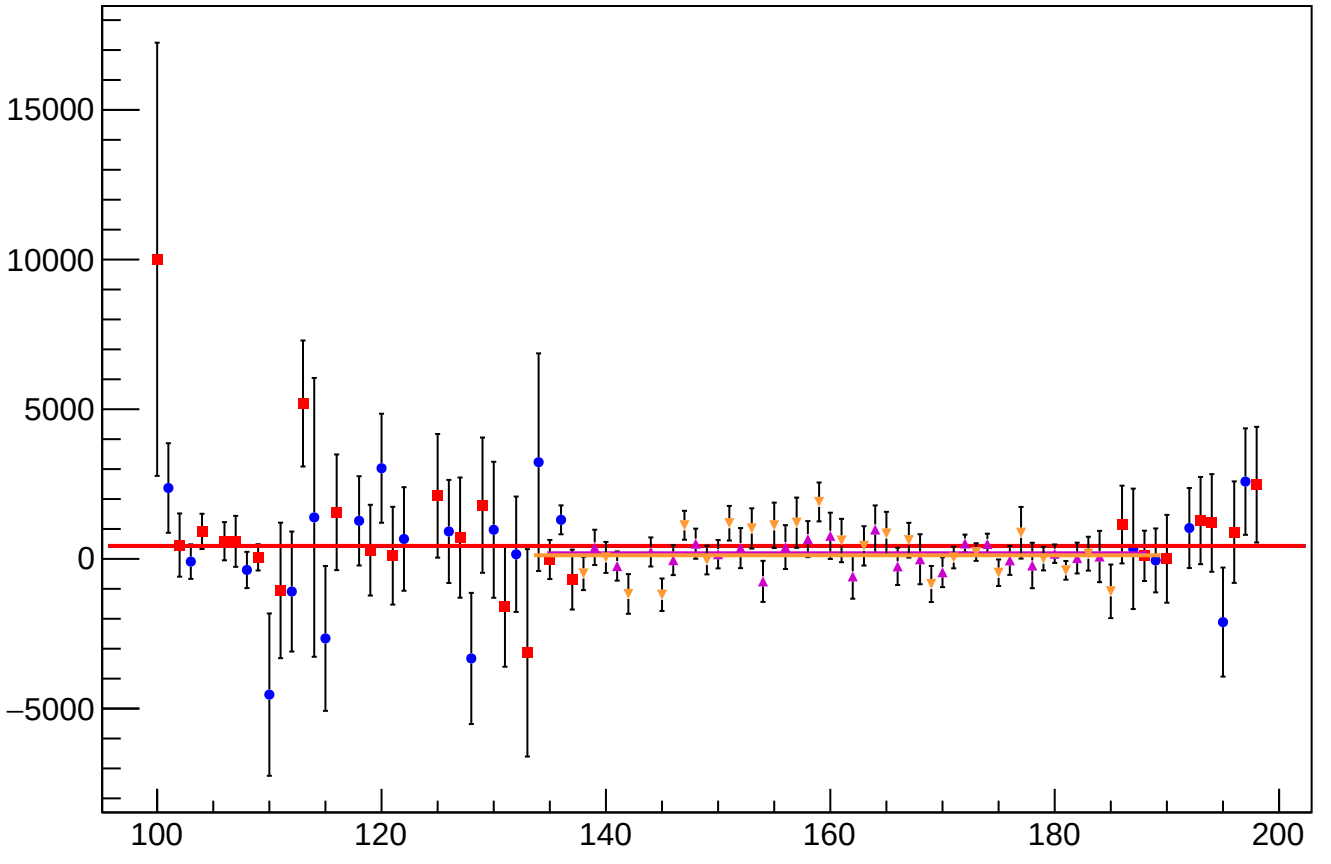
Right Out: 1491.108+/-0.305 χ^2/NDF: 522112.3/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1512.910+/-0.200 χ^2/NDF: 873152.3/44

All: 1515.182+/-0.140 χ^2/NDF: 1600459.6/92

- sign 1517.361+/-0.195 χ^2/NDF: 727053.3/47



Right In: 430.453+/-253.600 χ^2/NDF: 23.0/20

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

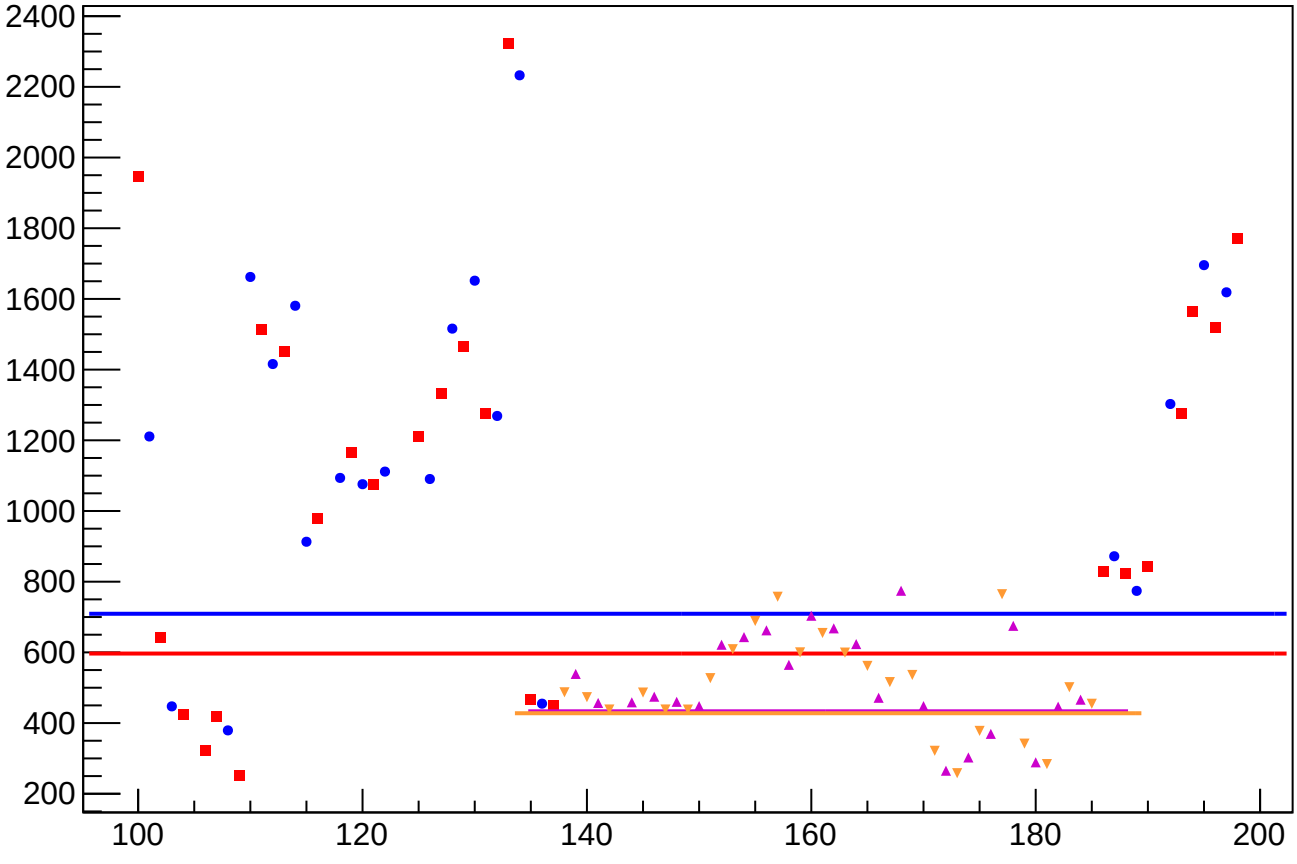
Right Out: 434.000+/-210.266 χ^2/NDF: 16.4/24

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 166.608+/-97.061 χ^2/NDF: 67.9/44

All: 202.847+/-68.018 χ^2/NDF: 97.3/92

- sign 237.816+/-95.345 χ^2/NDF: 29.1/47



Right In: 709.253+/-0.179 χ^2/NDF: 5446422.7/20

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

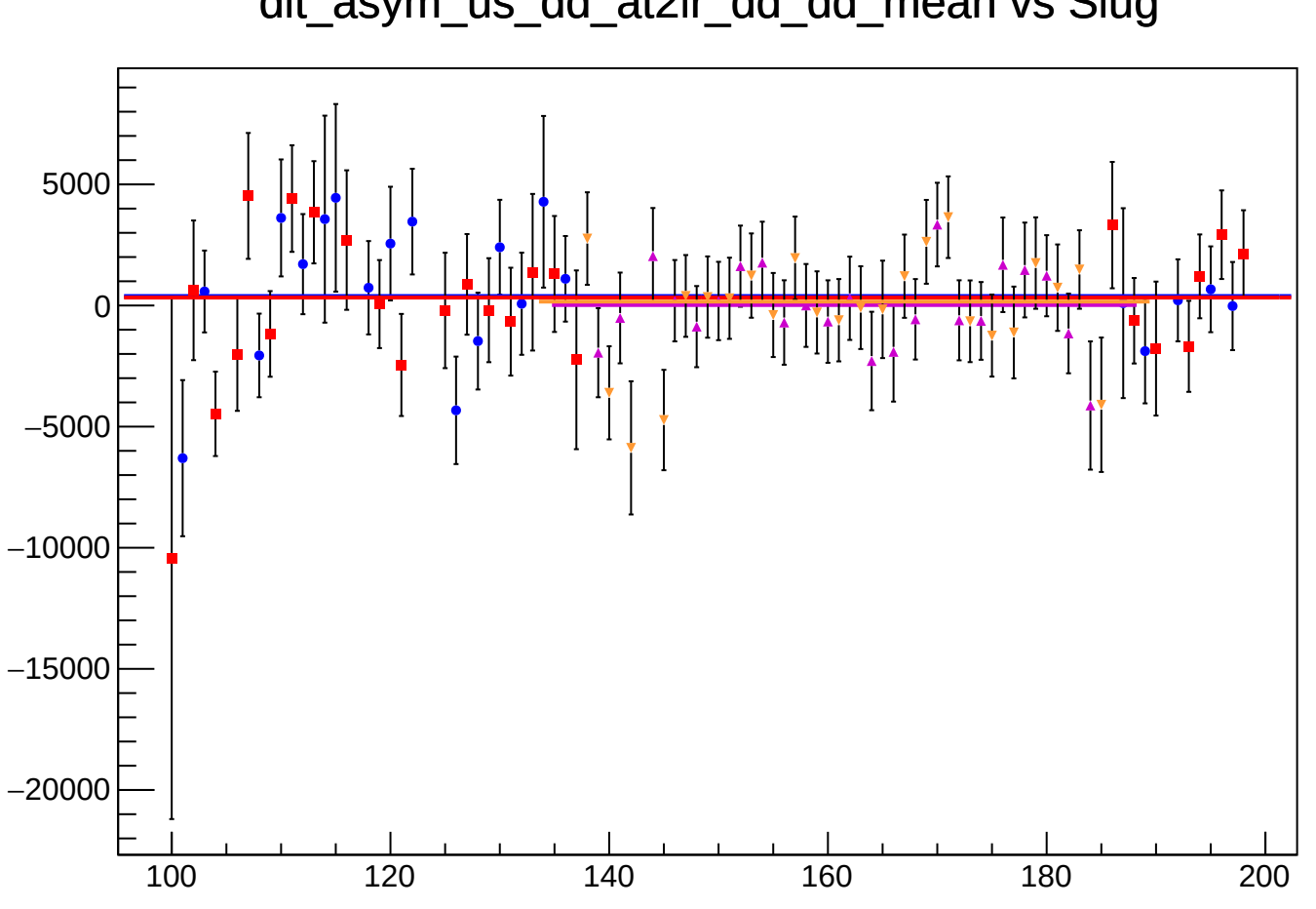
Right Out: 596.702+/-0.149 χ^2/NDF: 7455992.7/24

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 469.040+/-0.069 χ^2/NDF: 10737197.9/44

All: 467.944+/-0.048 χ^2/NDF: 22401214.3/92

- sign 466.886+/-0.067 χ^2/NDF: 11663515.0/47



Right In: 389.559+/-468.287 χ^2/NDF: 22.1/20

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 327.685+/-438.985 χ^2/NDF: 29.4/24

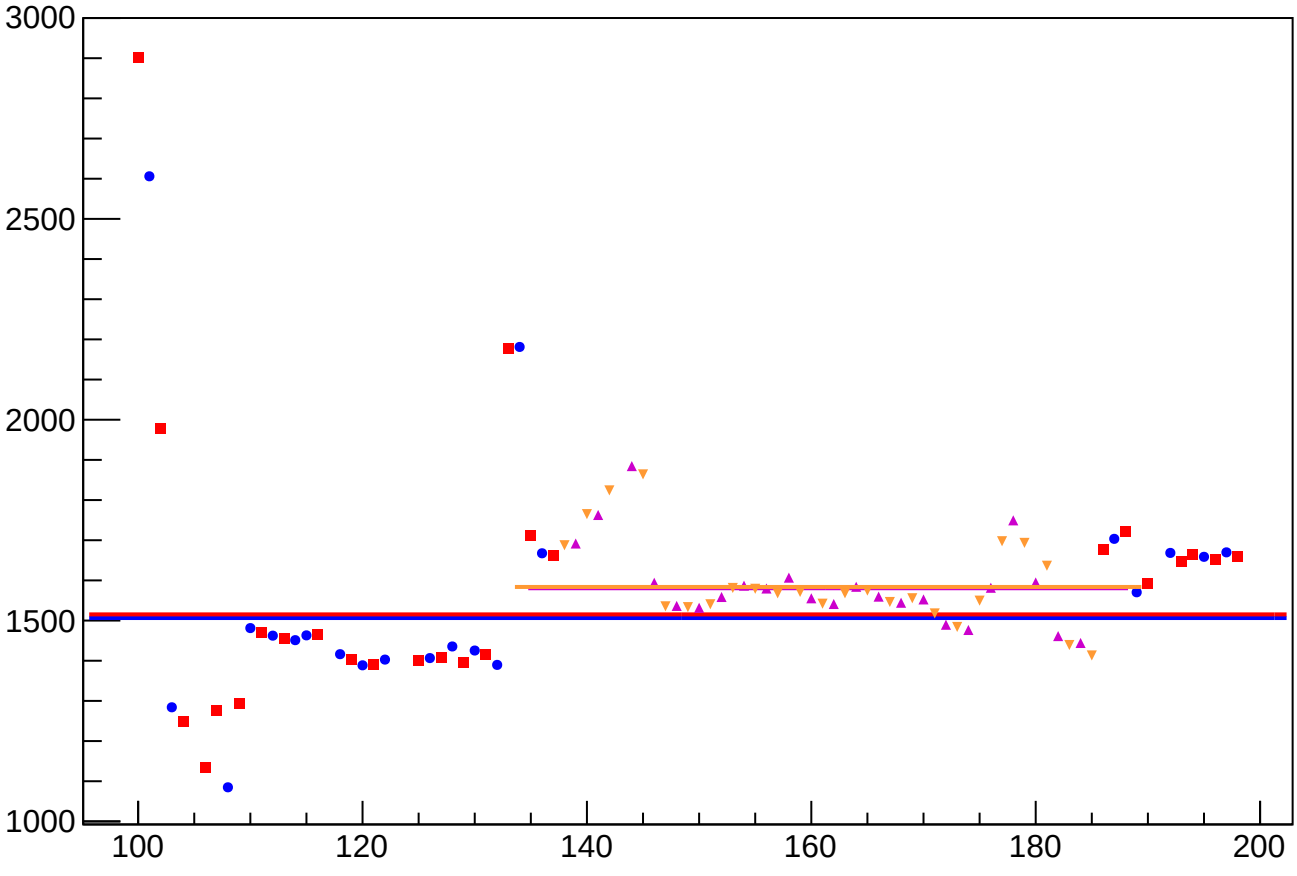
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

\+ sign 248.732+/-289.525 χ^2/NDF: 52.2/44

All: 197.110+/-202.311 χ^2/NDF: 97.9/92

\- sign 147.853+/-282.815 χ^2/NDF: 45.7/47

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.311+/-0.331 χ^2/NDF: 563799.1/20

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

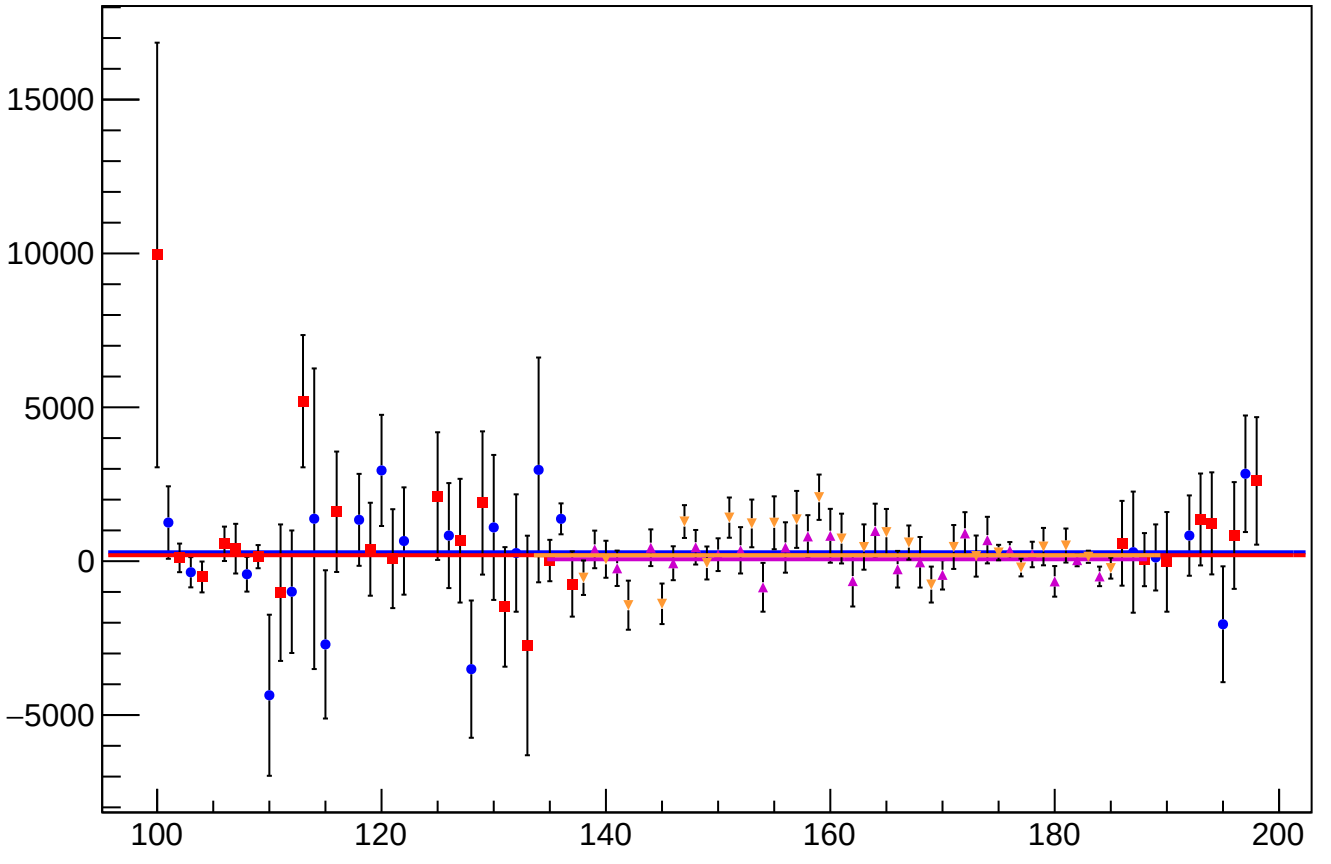
Right Out: 1515.386+/-0.310 χ^2/NDF: 458072.9/24

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1554.101+/-0.205 χ^2/NDF: 731101.3/44

All: 1553.770+/-0.143 χ^2/NDF: 1340636.1/92

- sign 1553.453+/-0.200 χ^2/NDF: 609529.7/47



Right In: 288.800+/-242.498 χ^2/NDF: 23.8/20

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: 194.016+/-183.564 χ^2/NDF: 17.1/24

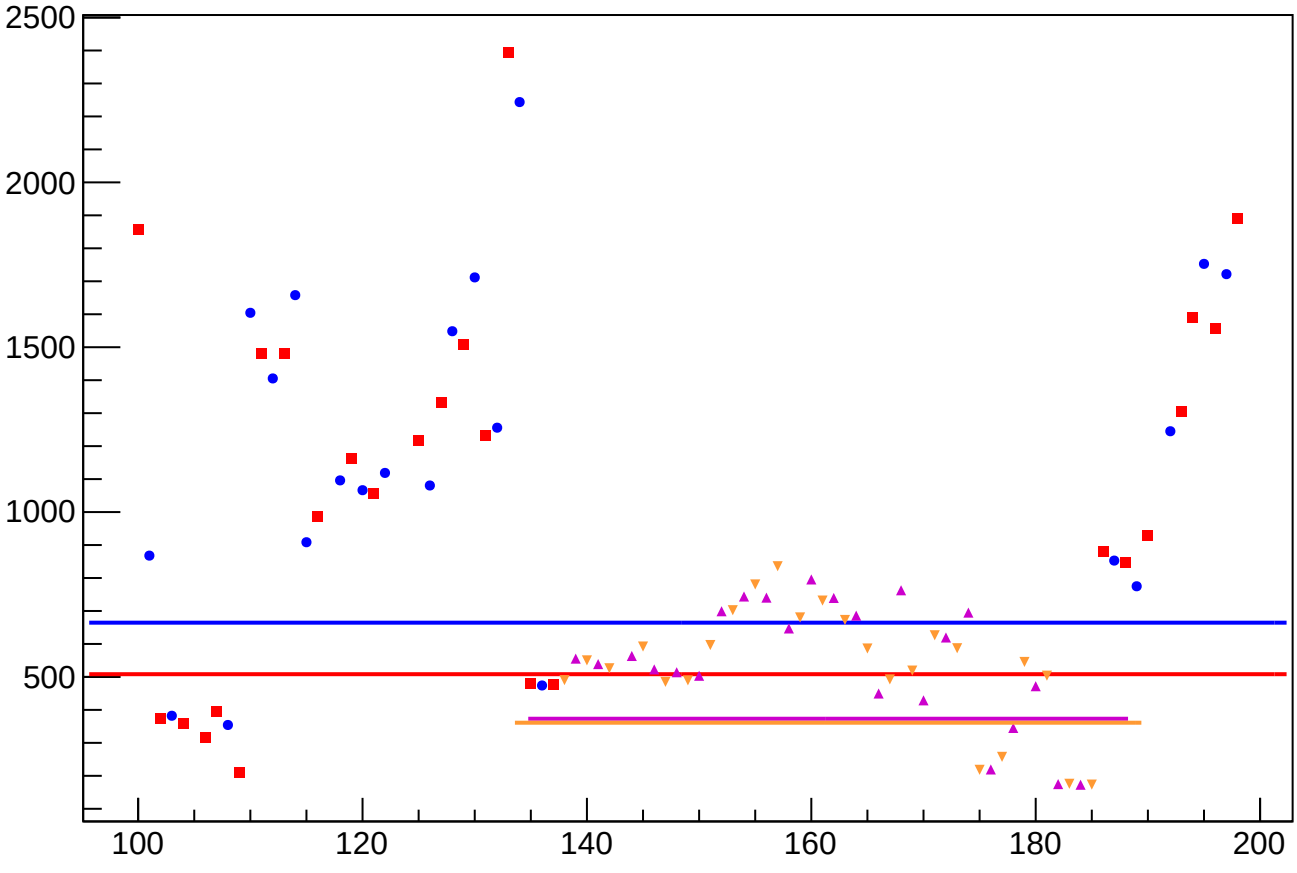
Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 206.220+/-89.174 χ^2/NDF: 64.0/44

All: 148.221+/-62.500 χ^2/NDF: 99.4/92

- sign 92.222+/-87.623 χ^2/NDF: 34.6/47

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 664.535+/-0.171 χ^2/NDF: 5772704.3/20

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

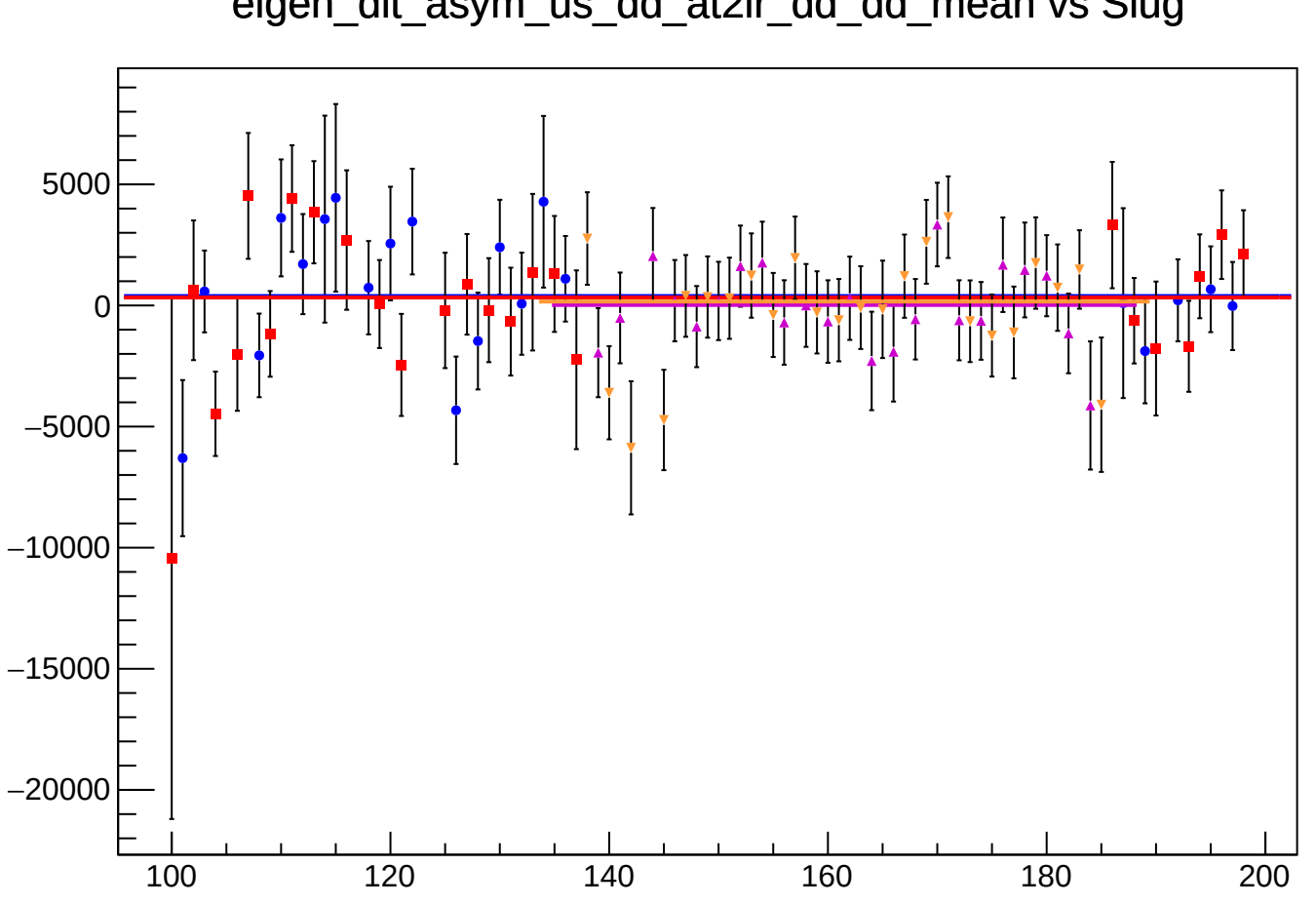
Right Out: 508.265+/-0.130 χ^2/NDF: 8867942.7/24

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 402.132+/-0.063 χ^2/NDF: 16663821.7/44

All: 403.047+/-0.044 χ^2/NDF: 34576343.0/92

- sign 403.929+/-0.062 χ^2/NDF: 17912108.1/47



Right In: 389.560+/-468.287 χ^2/NDF: 22.1/20

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 327.685+/-438.985 χ^2/NDF: 29.4/24

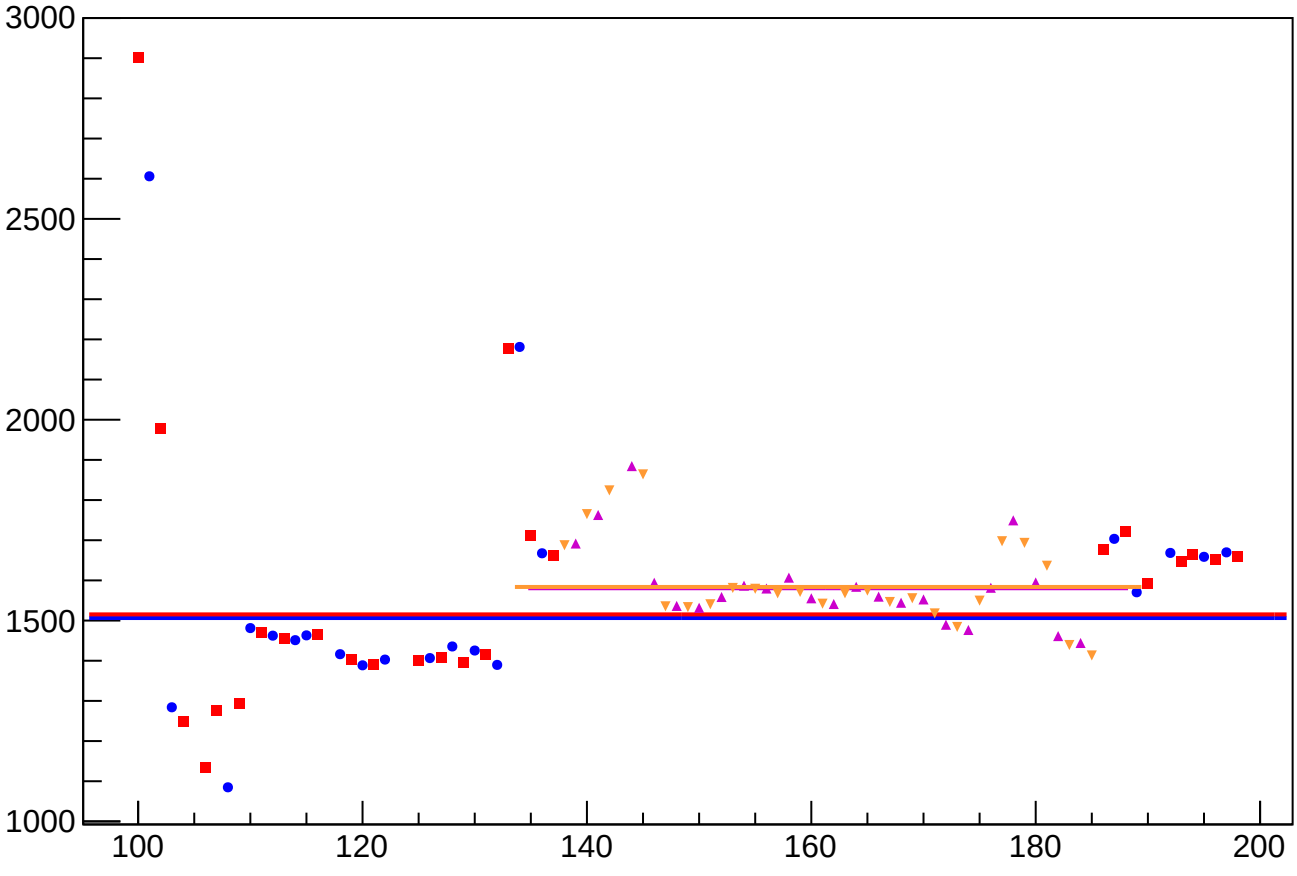
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

\+ sign 248.730+/-289.525 χ^2/NDF: 52.2/44

All: 197.108+/-202.311 χ^2/NDF: 97.9/92

\- sign 147.852+/-282.815 χ^2/NDF: 45.7/47

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.311+/-0.331 χ^2/NDF: 563798.5/20

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

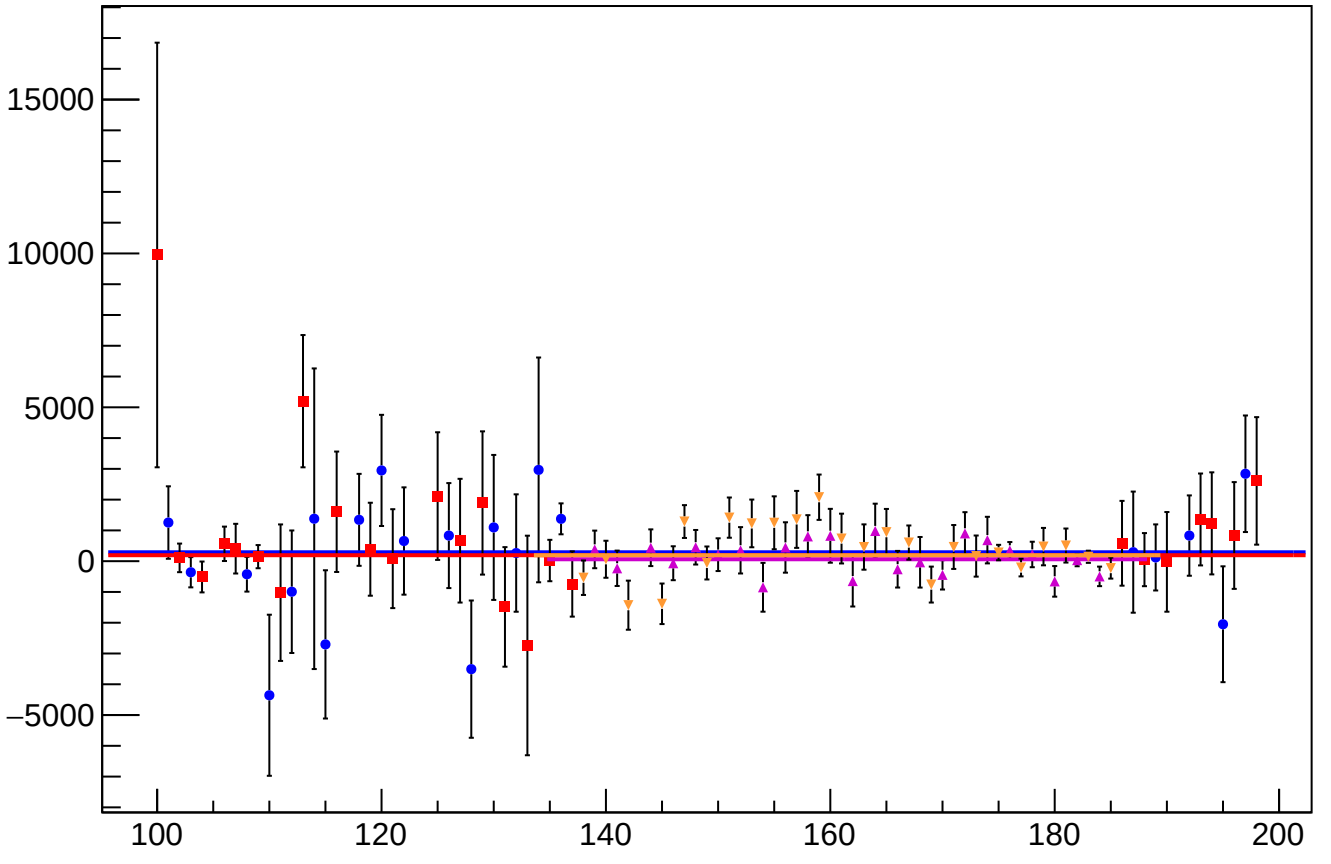
Right Out: 1515.386+/-0.310 χ^2/NDF: 458072.9/24

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1554.101+/-0.205 χ^2/NDF: 731100.8/44

All: 1553.769+/-0.143 χ^2/NDF: 1340635.4/92

- sign 1553.453+/-0.200 χ^2/NDF: 609529.5/47



Right In: 288.794+/-242.498 χ^2/NDF: 23.8/20

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

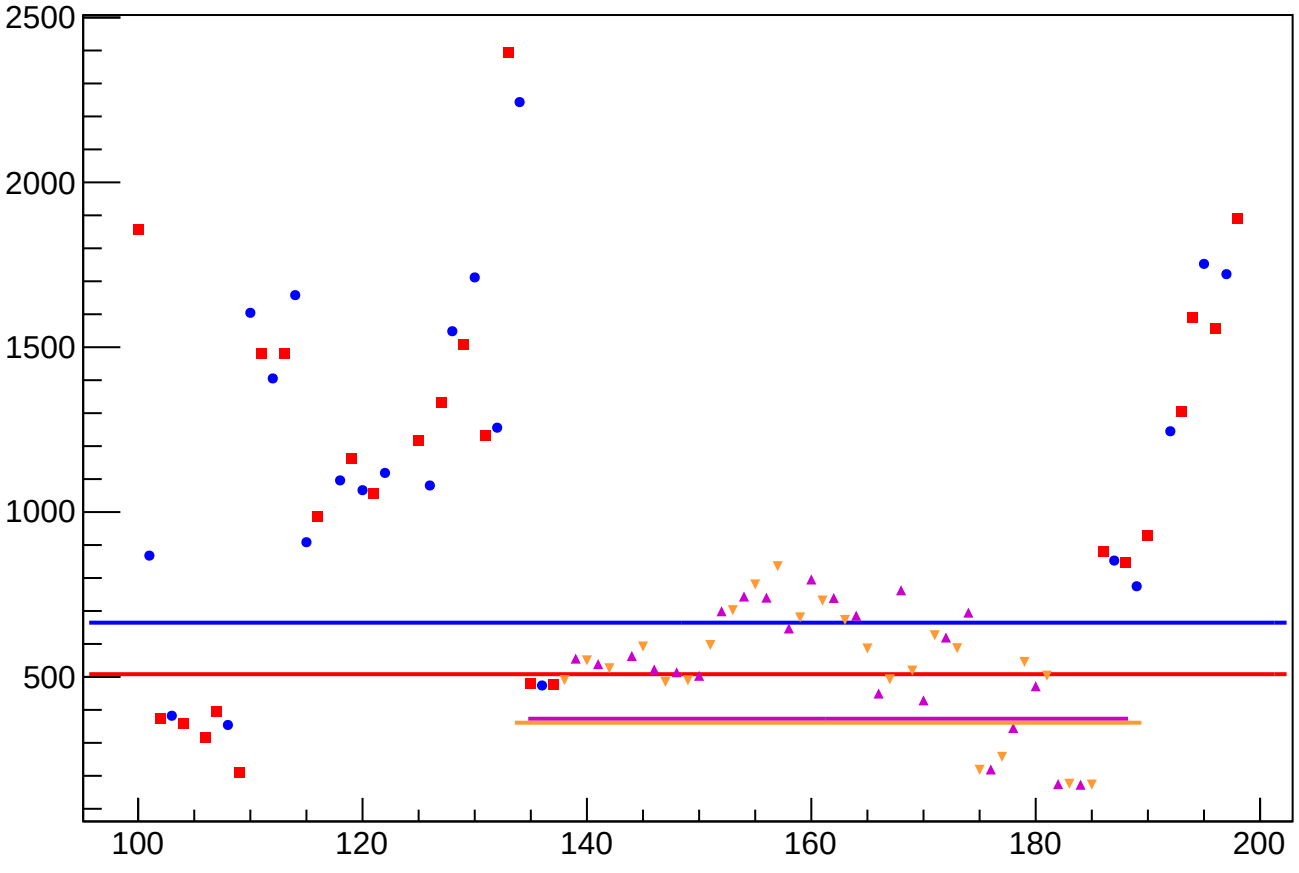
Right Out: 194.013+/-183.565 χ^2/NDF: 17.1/24

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

\+ sign 206.224+/-89.175 χ^2/NDF: 64.0/44

All: 148.222+/-62.501 χ^2/NDF: 99.4/92

\- sign 92.220+/-87.624 χ^2/NDF: 34.6/47



Right In: 664.533+/-0.171 χ^2/NDF: 5772731.7/20

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 508.272+/-0.130 χ^2/NDF: 8867821.1/24

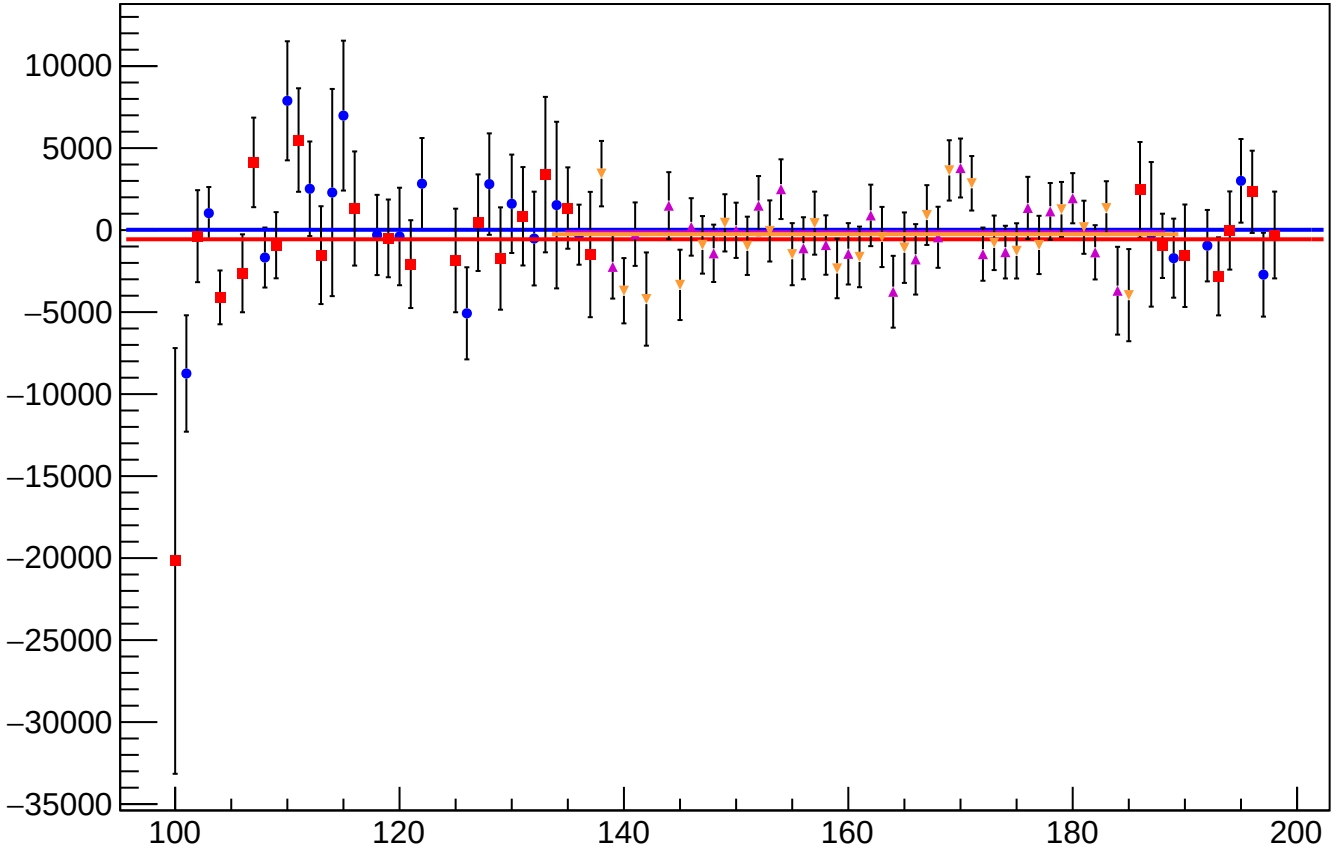
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 402.136+/-0.063 χ^2/NDF: 16663602.9/44

All: 403.051+/-0.044 χ^2/NDF: 34575766.0/92

- sign 403.935+/-0.062 χ^2/NDF: 17911749.1/47

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 19.548+/-577.952 χ^2/NDF: 24.1/20

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -559.309+/-533.483 χ^2/NDF: 20.6/24

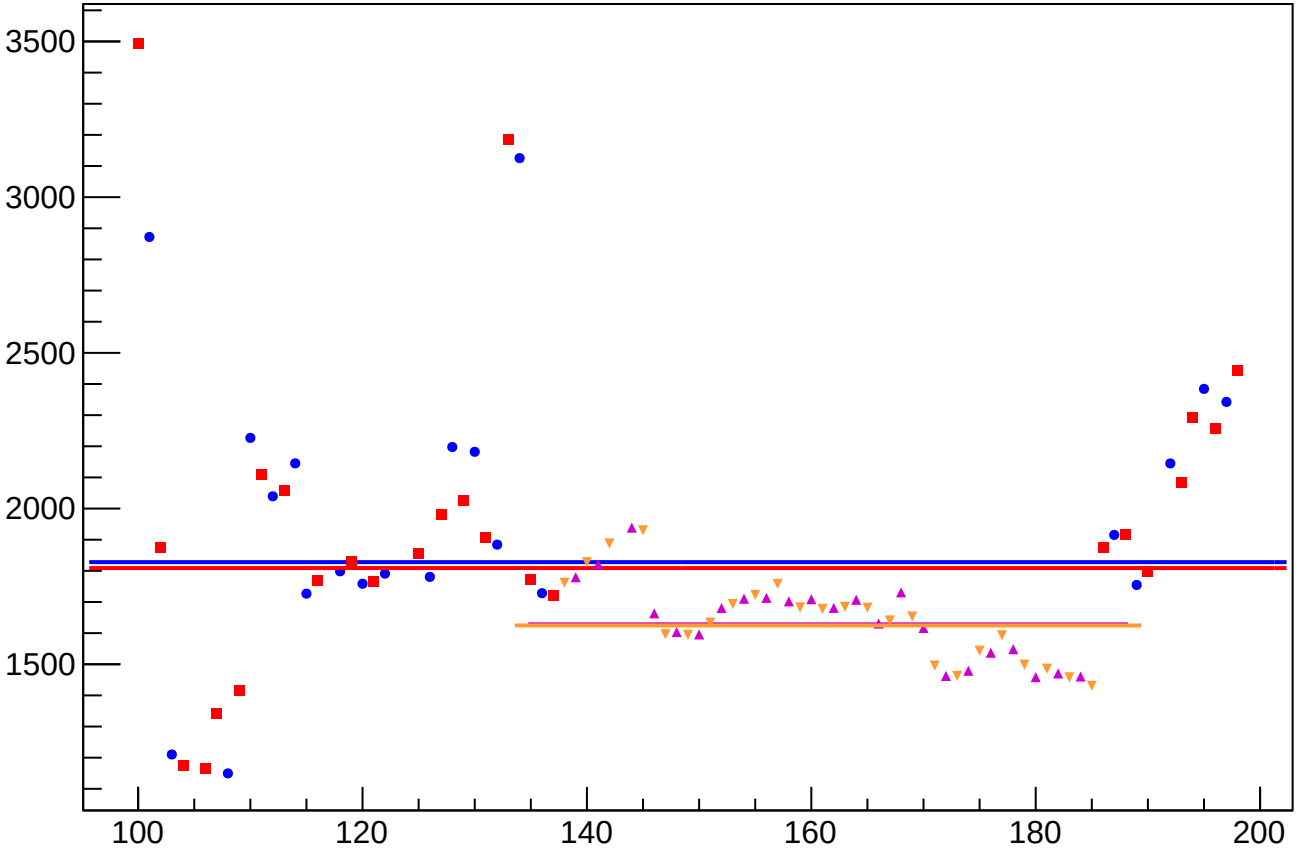
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -167.152+/-316.479 χ^2/NDF: 50.3/44

All: -220.924+/-221.536 χ^2/NDF: 92.5/92

- sign -272.589+/-310.213 χ^2/NDF: 42.2/47

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1827.965+/-0.409 χ^2/NDF: 1207233.5/20

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

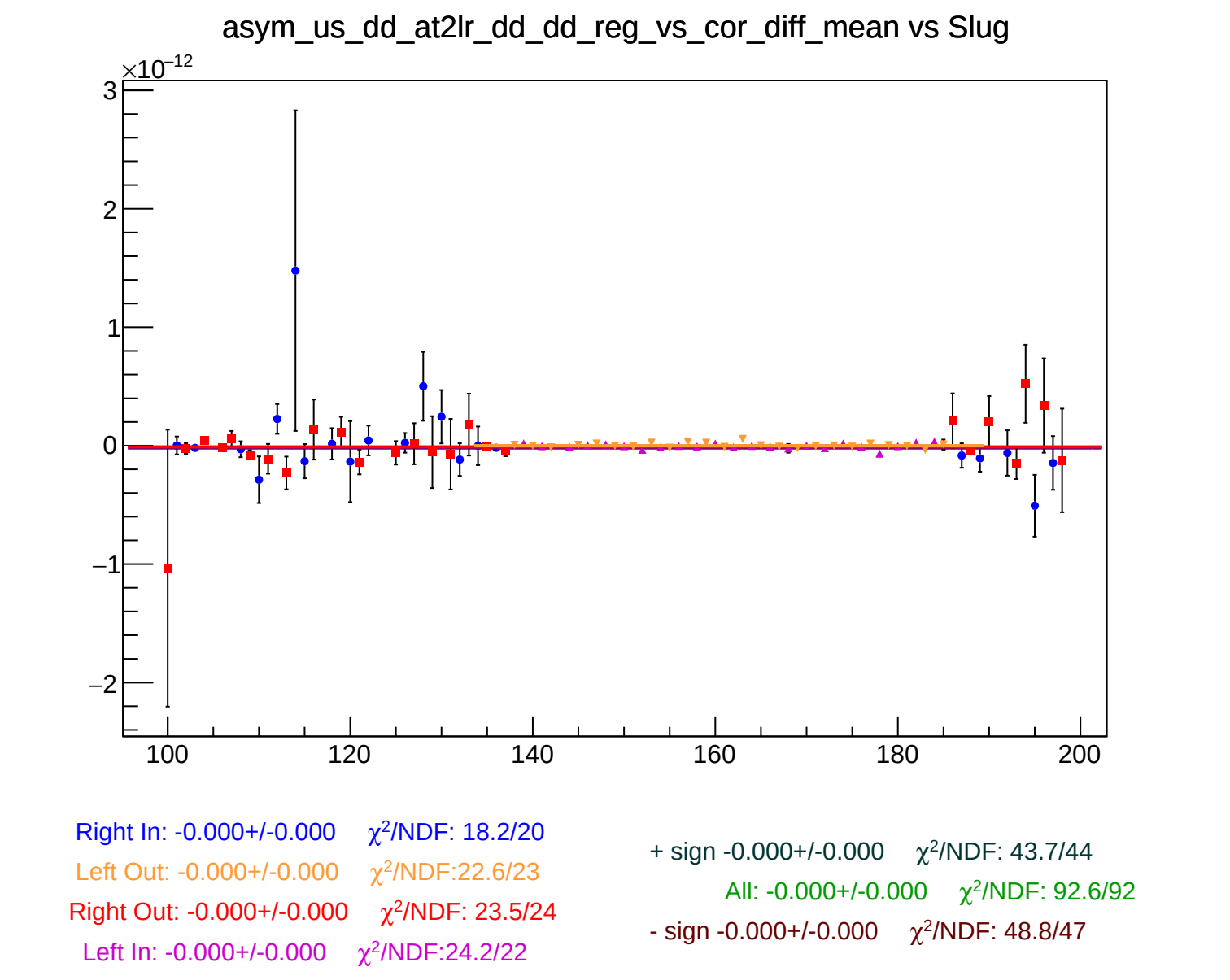
Right Out: 1808.901+/-0.377 χ^2/NDF: 1131268.1/24

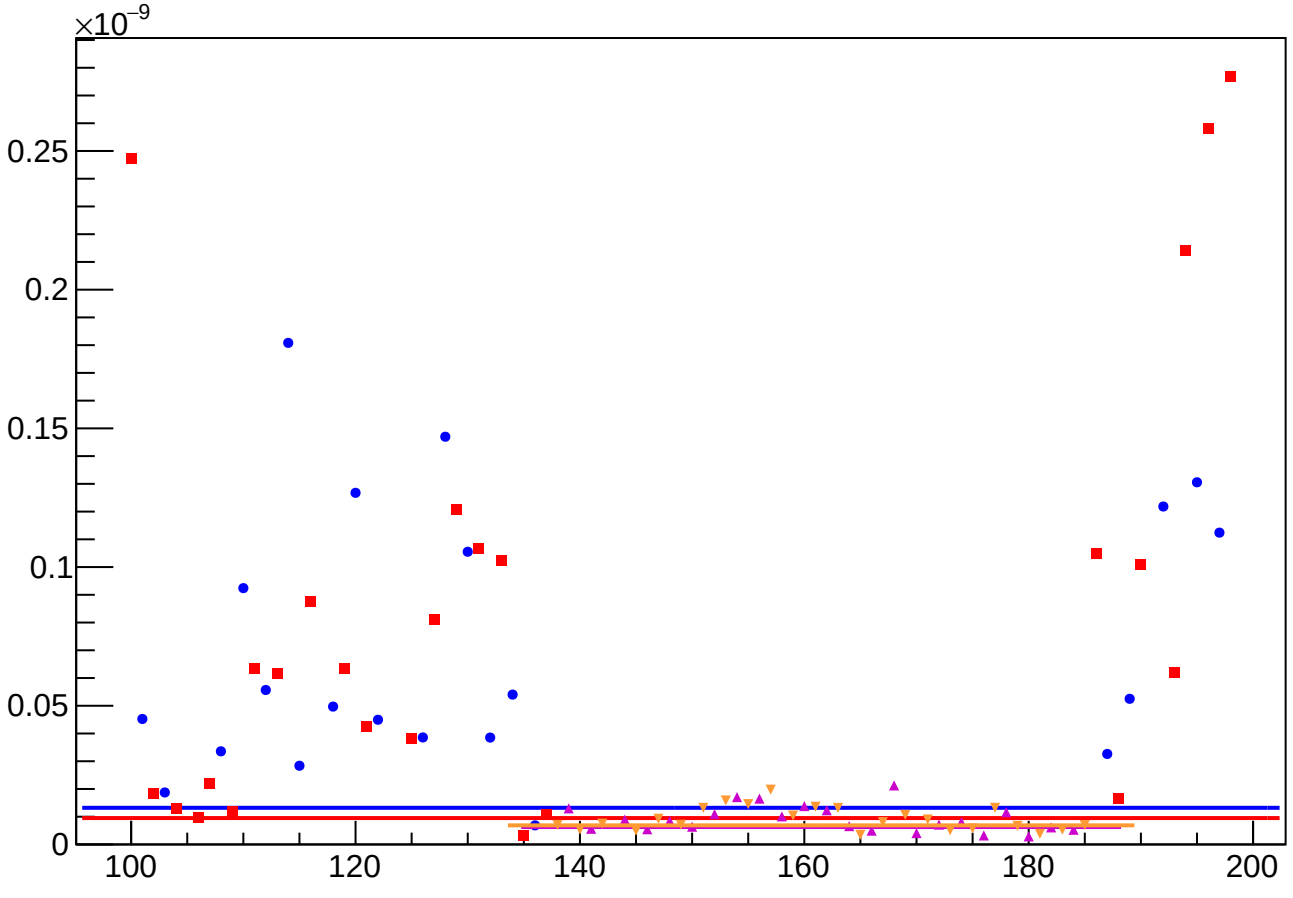
Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1685.589+/-0.224 χ^2/NDF: 1587842.5/44

All: 1687.489+/-0.157 χ^2/NDF: 3075972.3/92

- sign 1689.314+/-0.219 χ^2/NDF: 1487988.5/47


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 18.2/20
Left Out: -0.000+/-0.000 χ²/NDF:22.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 23.5/24
Left In: -0.000+/-0.000 χ²/NDF:24.2/22
+ sign -0.000+/-0.000 χ²/NDF: 43.7/44
All: -0.000+/-0.000 χ²/NDF: 92.6/92
- sign -0.000+/-0.000 χ²/NDF: 48.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 5195943.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

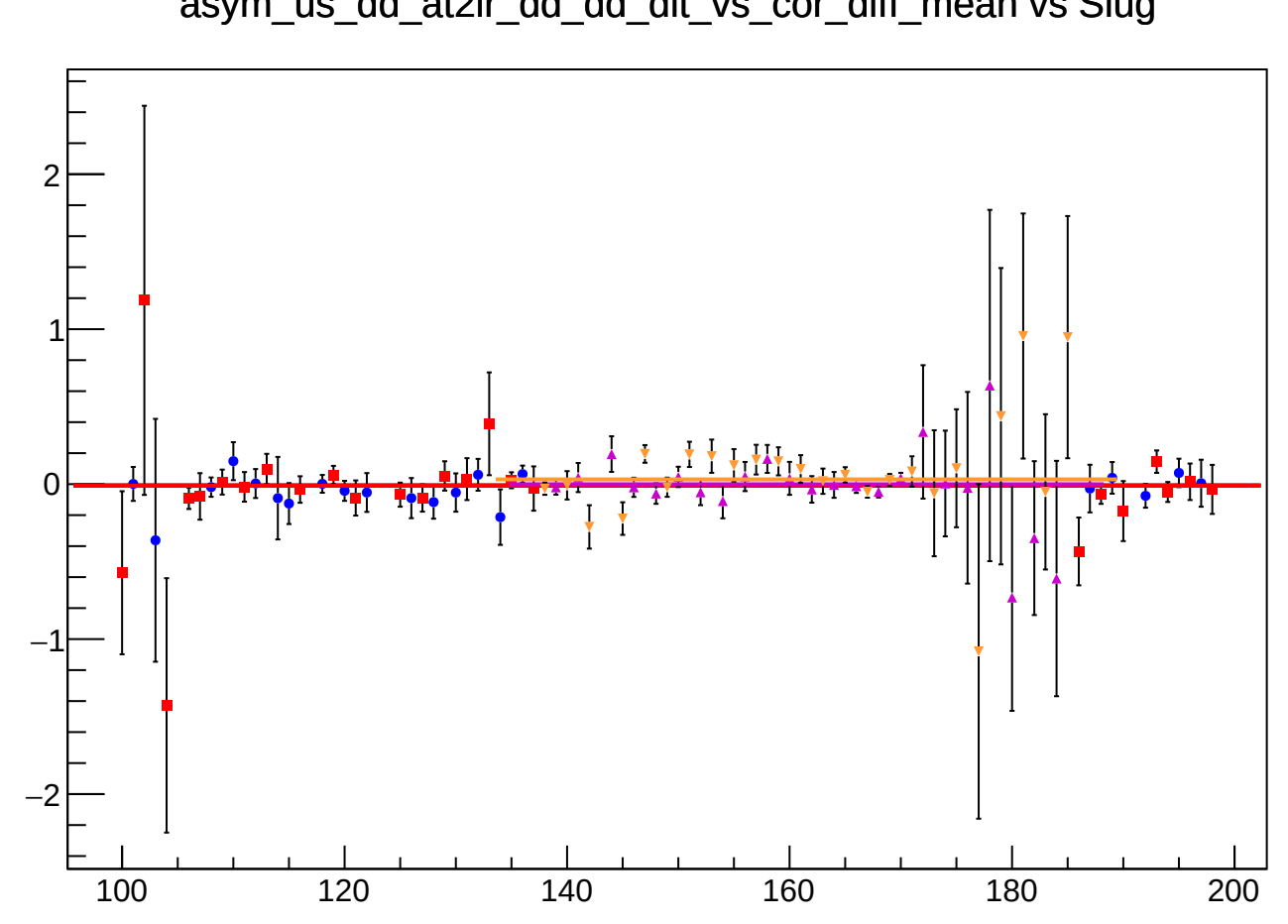
Right Out: 0.000+/-0.000 χ^2/NDF: 6937403.1/24

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8173029.6/44

All: 0.000+/-0.000 χ^2/NDF: 18344635.7/92

- sign 0.000+/-0.000 χ^2/NDF: 10090640.9/47



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: -0.011+/-0.019 χ^2/NDF: 24.1/24

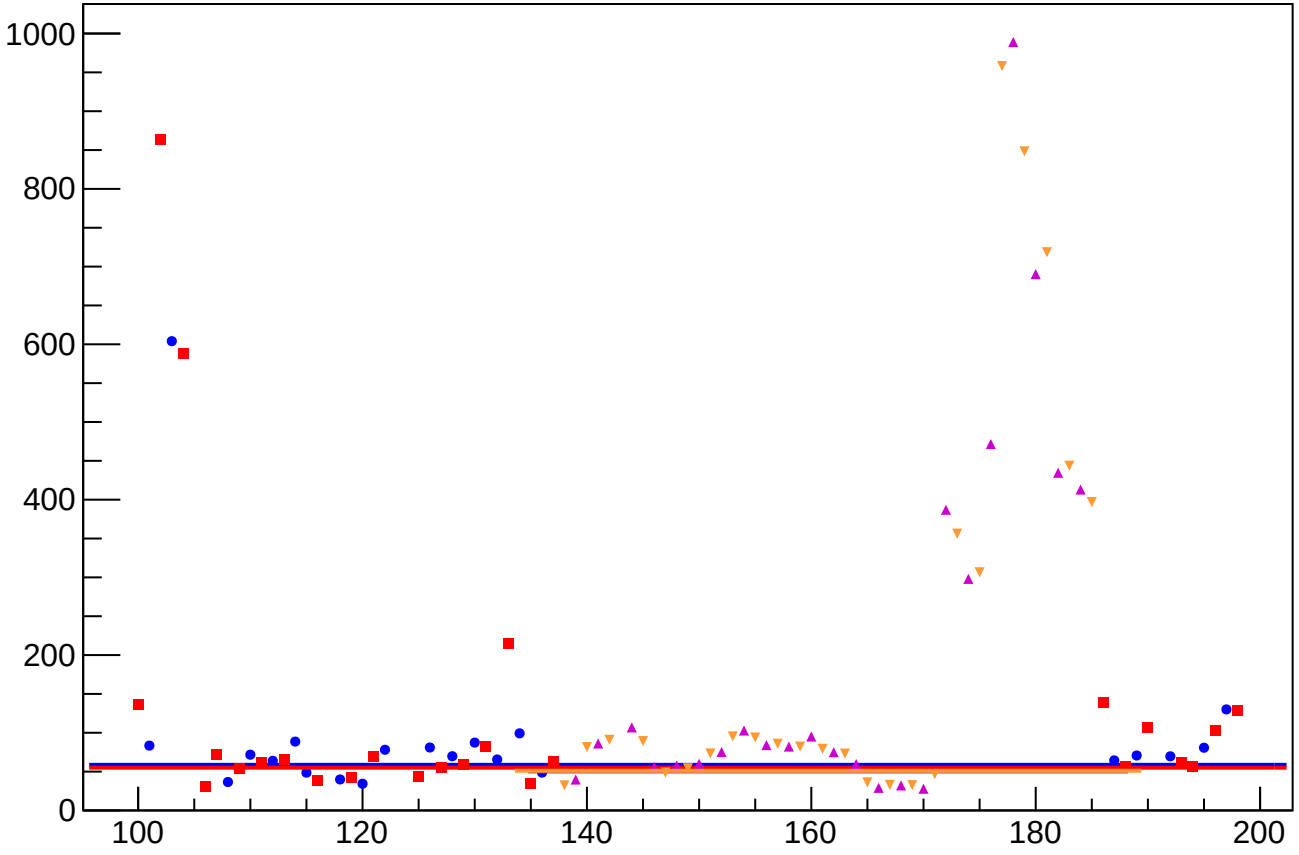
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/44

All: 0.006+/-0.009 χ^2/NDF: 95.7/92

- sign -0.005+/-0.012 χ^2/NDF: 40.3/47

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 58.718+/-0.015 χ^2/NDF: 2929135.7/20

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

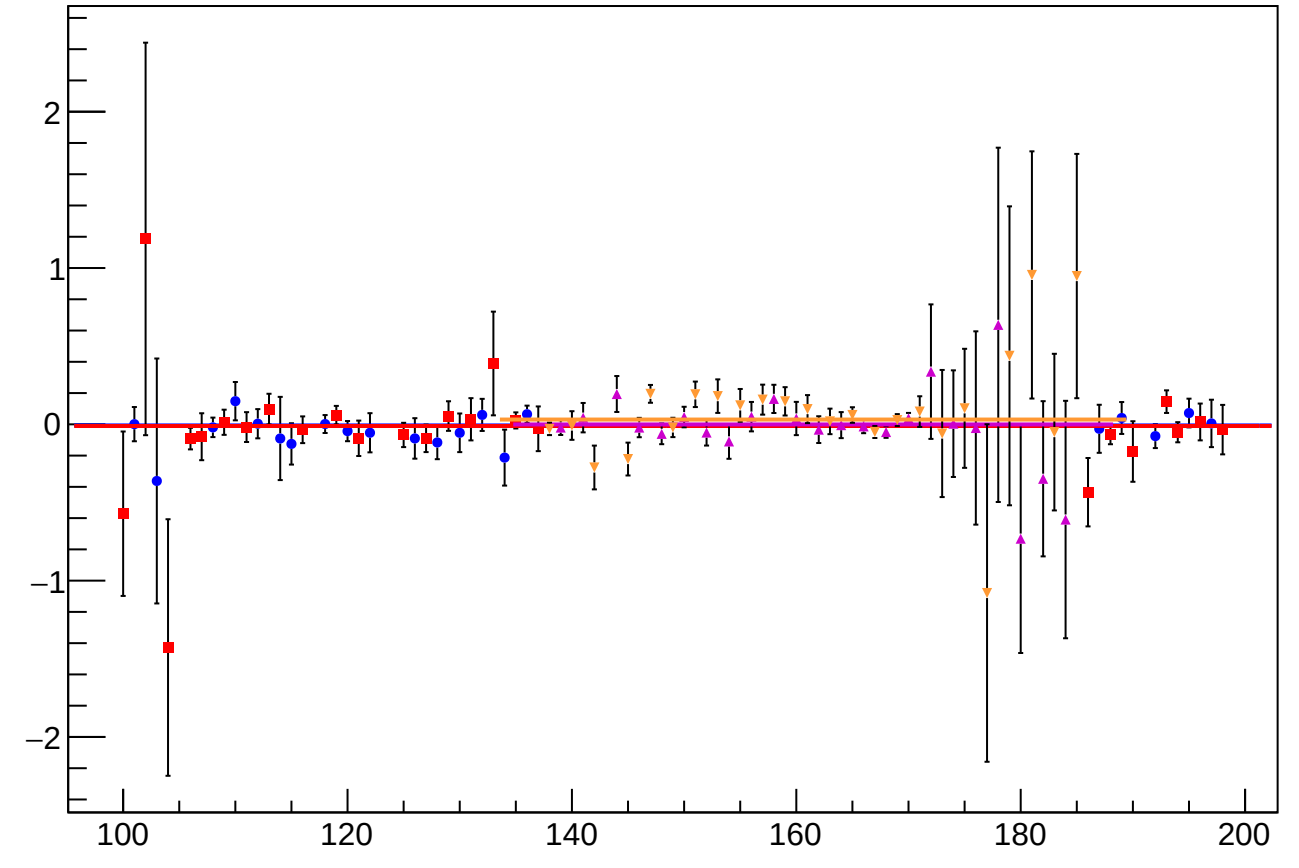
Right Out: 55.066+/-0.013 χ^2/NDF: 4366014.3/24

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 53.826+/-0.009 χ^2/NDF: 14840890.2/44

All: 52.967+/-0.006 χ^2/NDF: 31501085.5/92

- sign 52.187+/-0.008 χ^2/NDF: 16641846.8/47



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

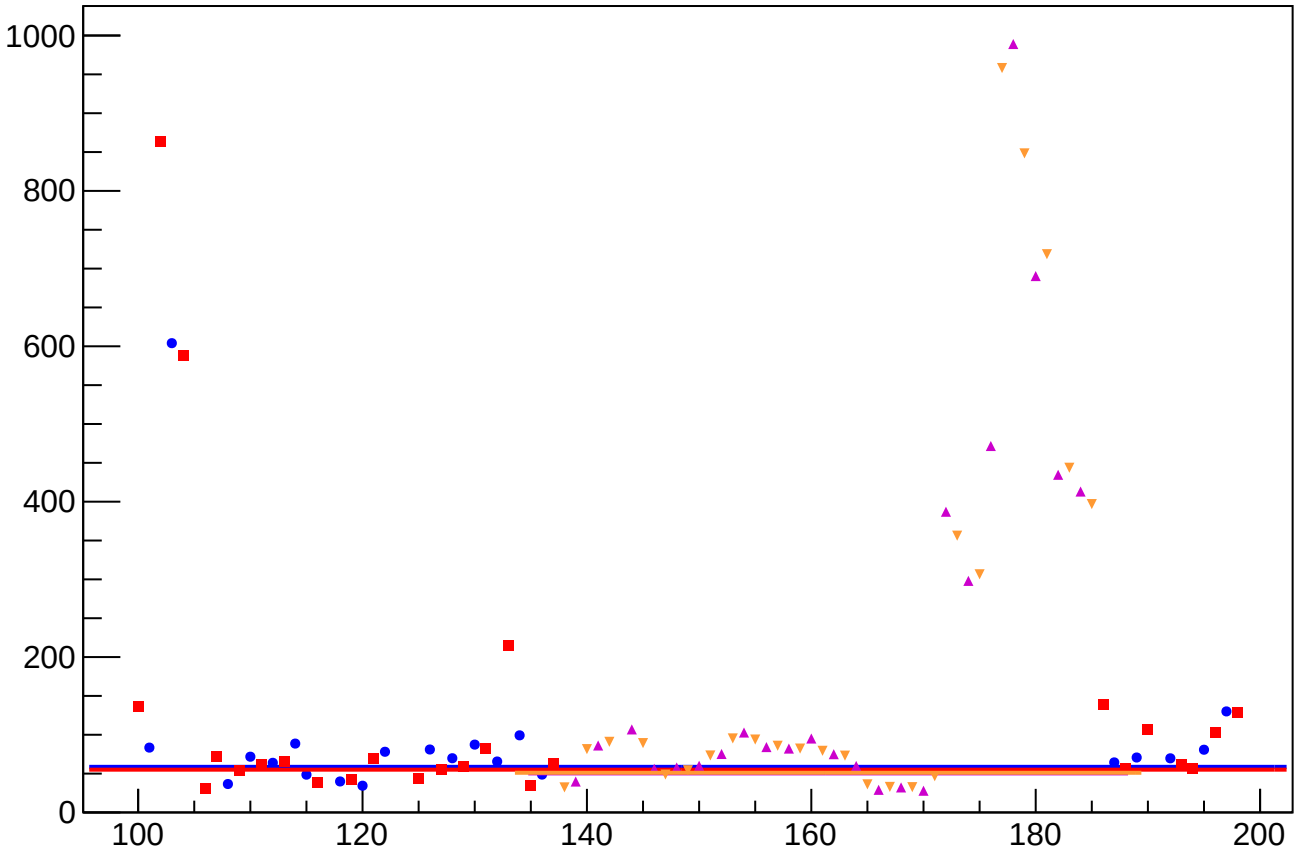
Right Out: -0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/44

All: 0.006+/-0.009 χ^2/NDF: 95.7/92

- sign -0.005+/-0.012 χ^2/NDF: 40.3/47



Right In: 58.718+/-0.015 χ^2/NDF: 2929135.7/20

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

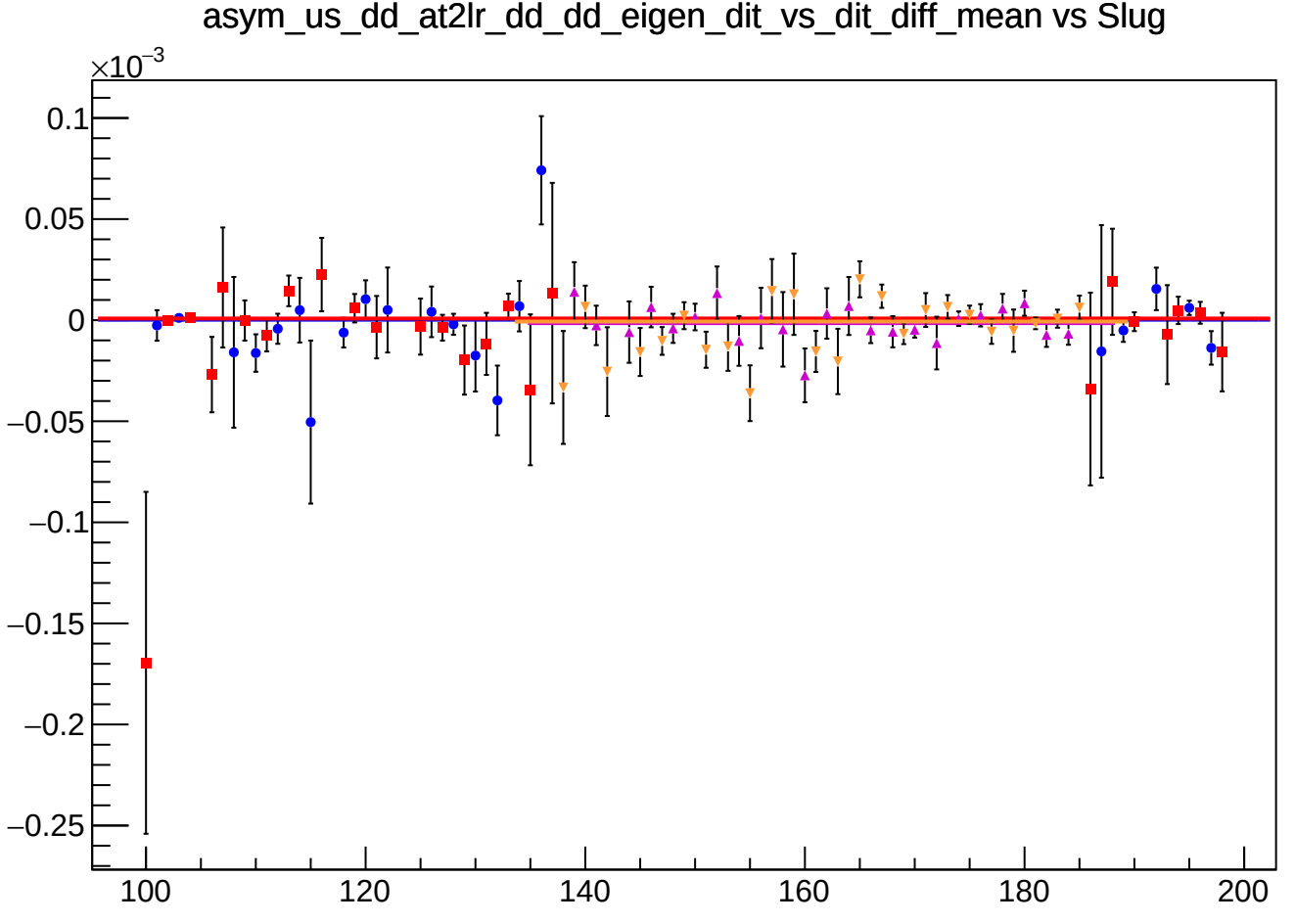
Right Out: 55.066+/-0.013 χ^2/NDF: 4366014.3/24

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 53.826+/-0.009 χ^2/NDF: 14840890.2/44

All: 52.967+/-0.006 χ^2/NDF: 31501085.5/92

- sign 52.187+/-0.008 χ^2/NDF: 16641846.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

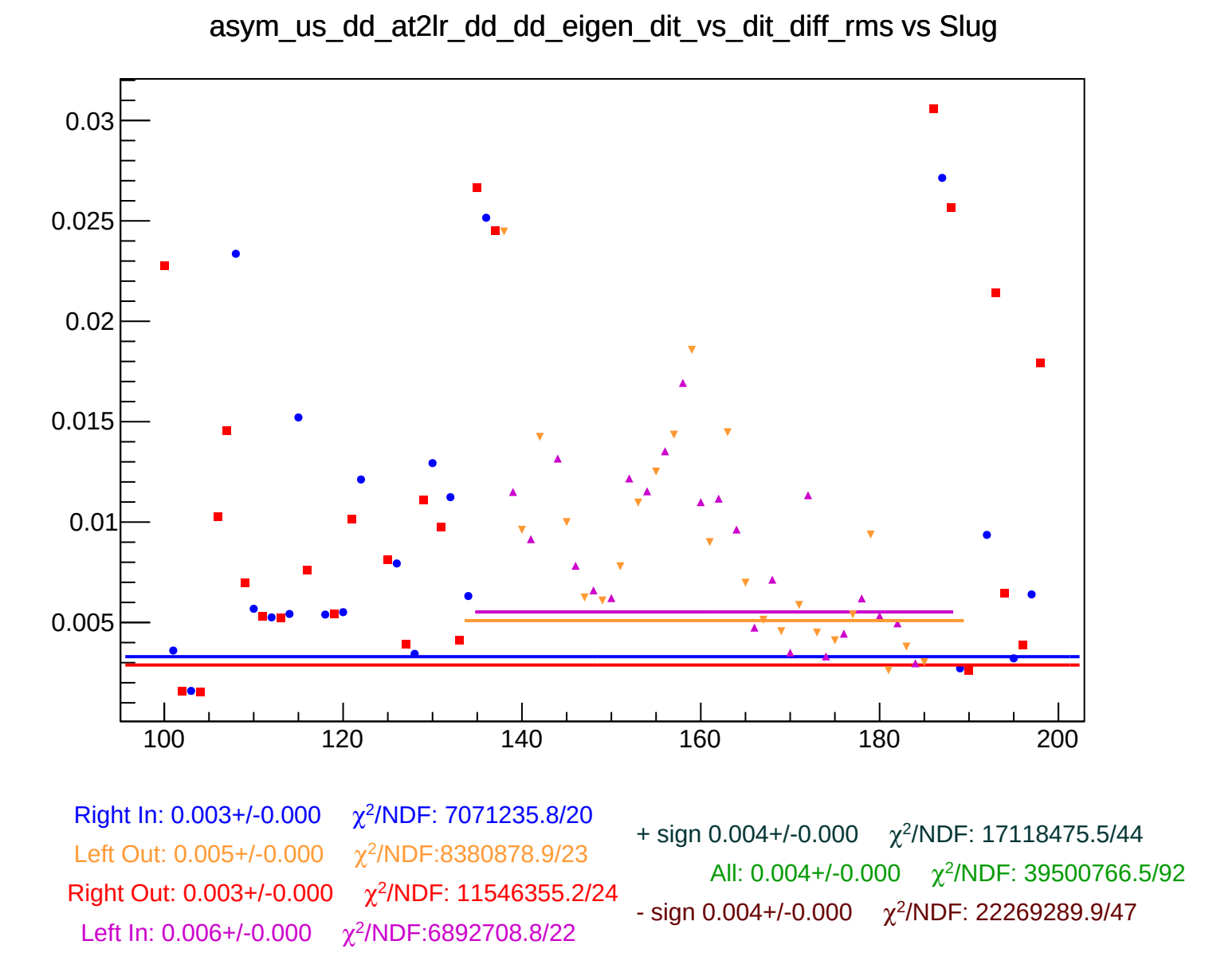
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/24

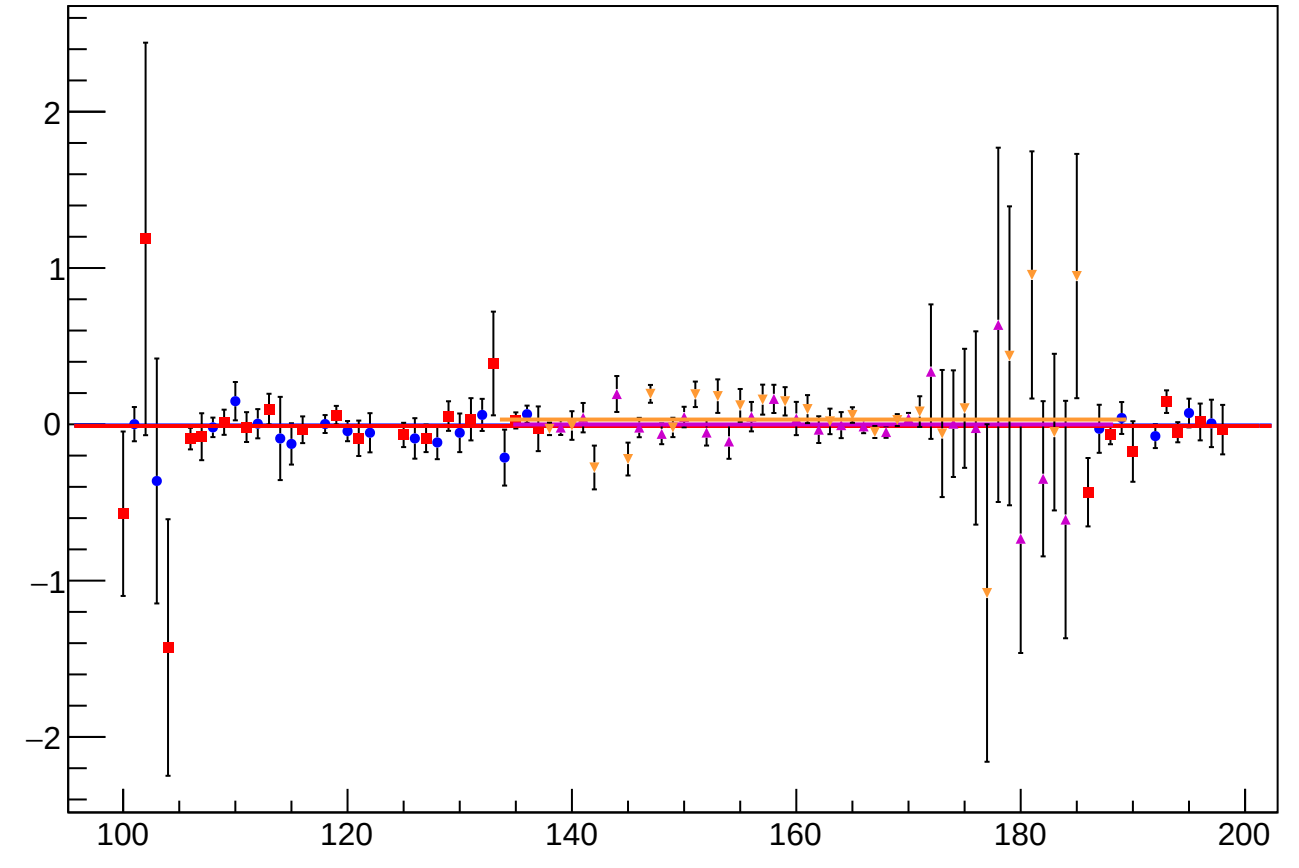
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.6/44

All: -0.000+/-0.000 χ^2/NDF: 107.9/92

- sign -0.000+/-0.000 χ^2/NDF: 38.3/47


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: 7071235.8/20
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 11546355.2/24
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
+ sign 0.004+/-0.000 χ²/NDF: 17118475.5/44
All: 0.004+/-0.000 χ²/NDF: 39500766.5/92
- sign 0.004+/-0.000 χ²/NDF: 22269289.9/47



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

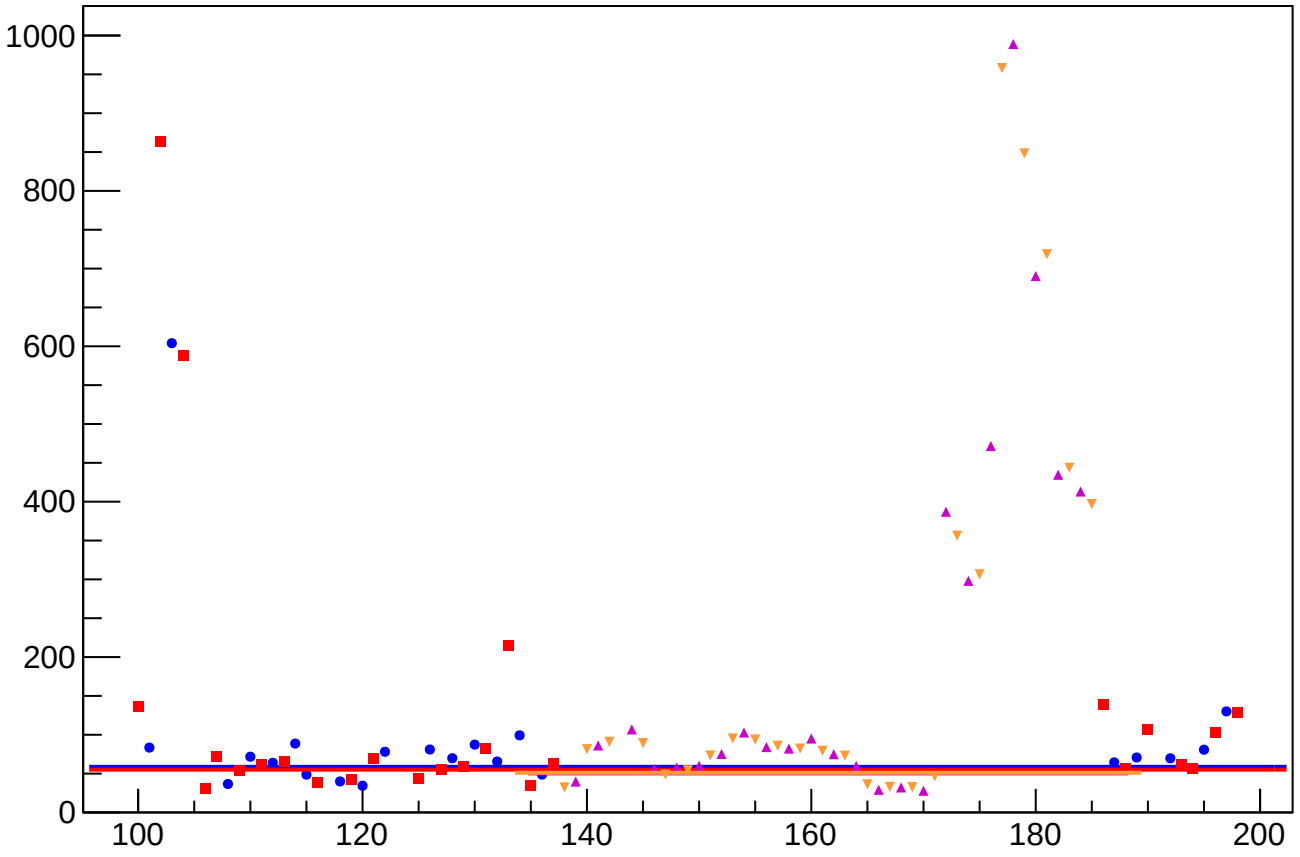
Right Out: -0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/44

All: 0.006+/-0.009 χ^2/NDF: 95.7/92

- sign -0.005+/-0.012 χ^2/NDF: 40.3/47



Right In: 58.721+/-0.015 χ^2/NDF: 2928590.2/20

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 55.068+/-0.013 χ^2/NDF: 4365693.0/24

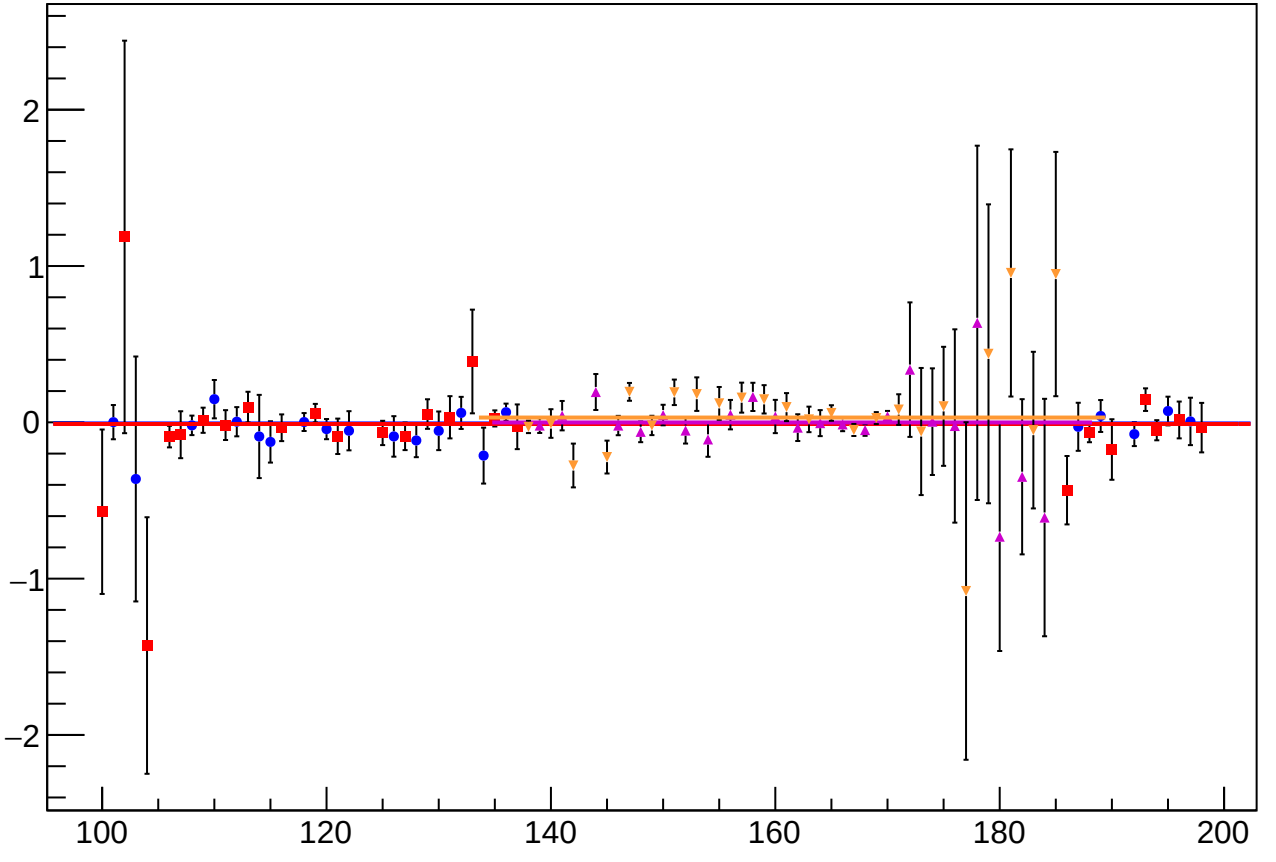
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 53.828+/-0.009 χ^2/NDF: 14839530.9/44

All: 52.968+/-0.006 χ^2/NDF: 31499449.5/92

- sign 52.188+/-0.008 χ^2/NDF: 16641529.5/47

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

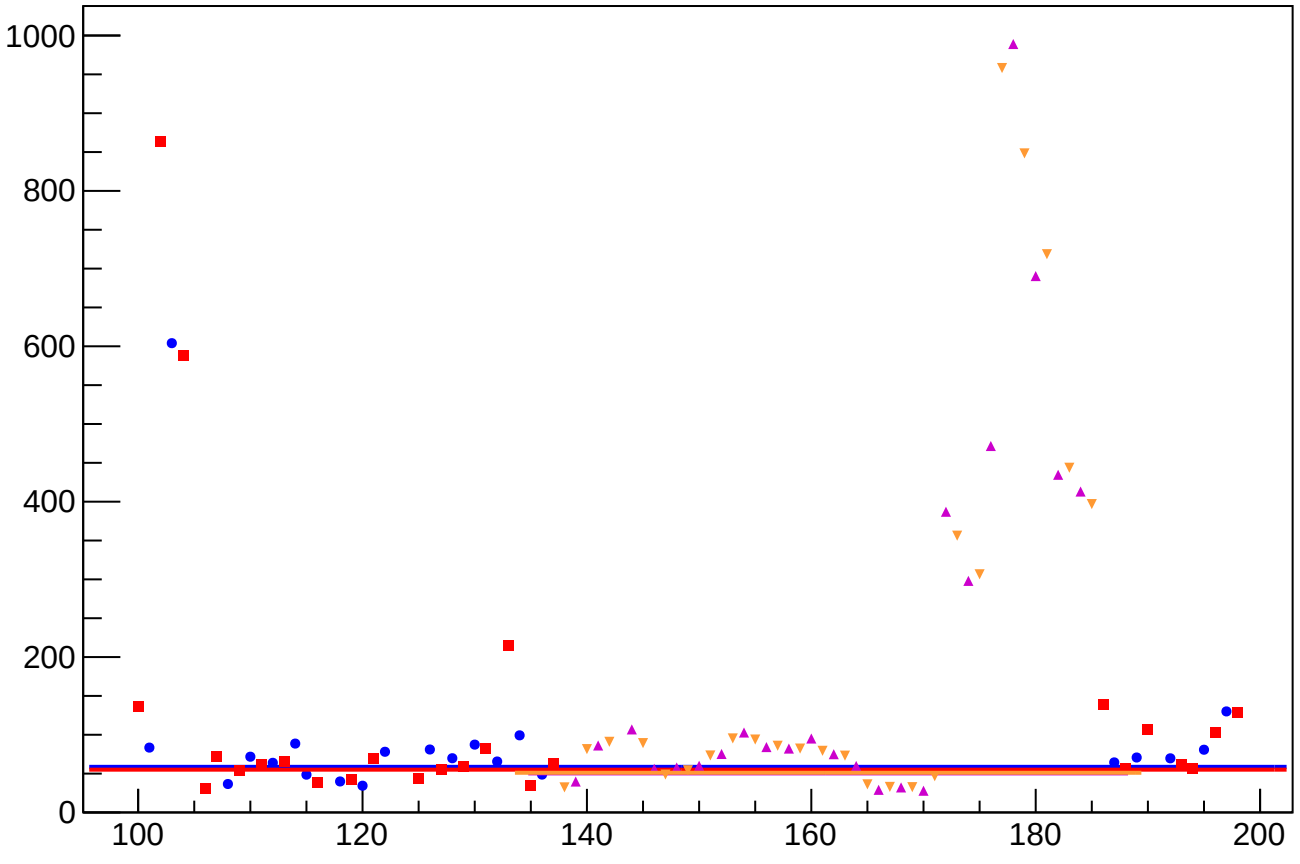
Right Out: -0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/44

All: 0.006+/-0.009 χ^2/NDF: 95.7/92

- sign -0.005+/-0.012 χ^2/NDF: 40.3/47



Right In: 58.721+/-0.015 χ^2/NDF: 2928590.2/20

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

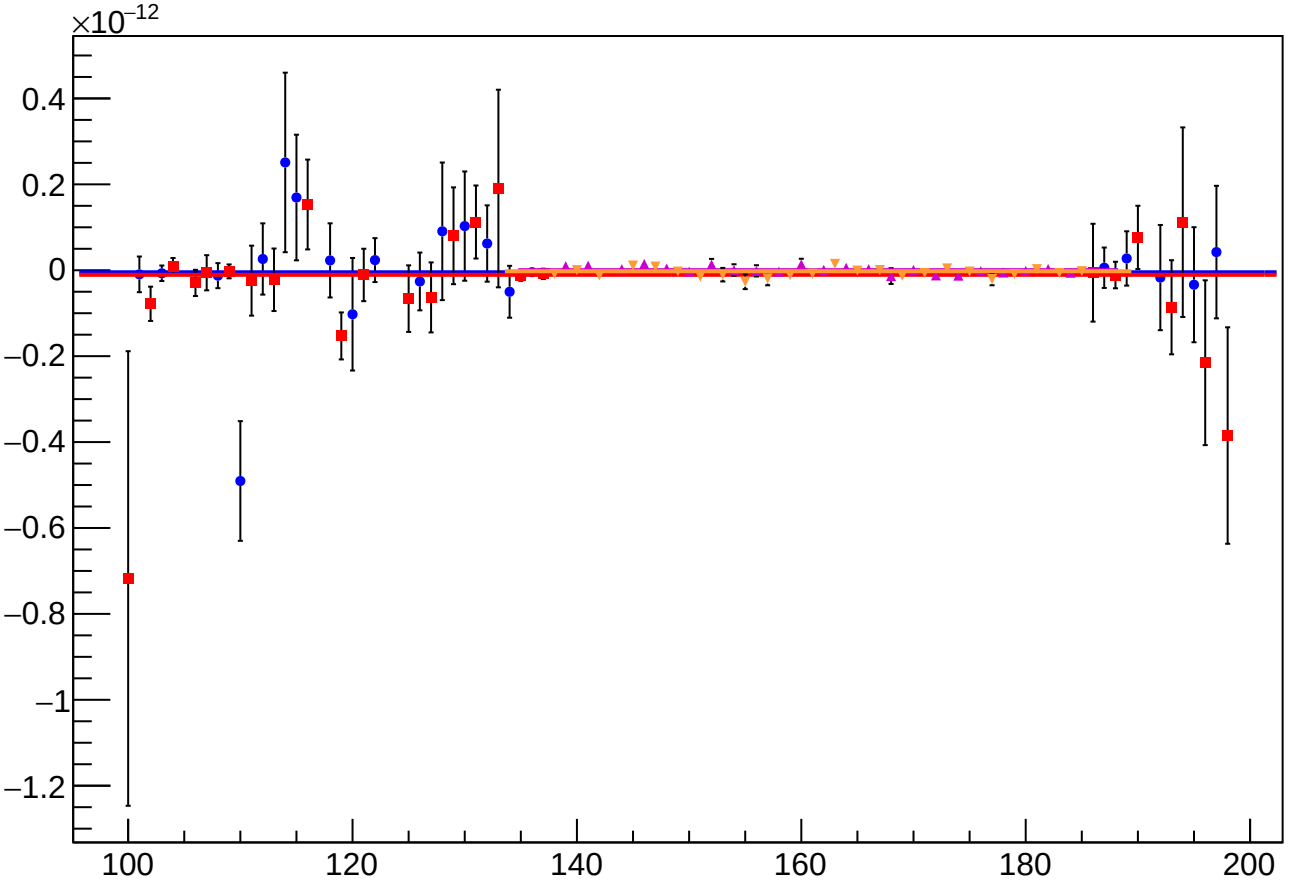
Right Out: 55.068+/-0.013 χ^2/NDF: 4365693.0/24

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 53.828+/-0.009 χ^2/NDF: 14839530.9/44

All: 52.968+/-0.006 χ^2/NDF: 31499449.5/92

- sign 52.188+/-0.008 χ^2/NDF: 16641529.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

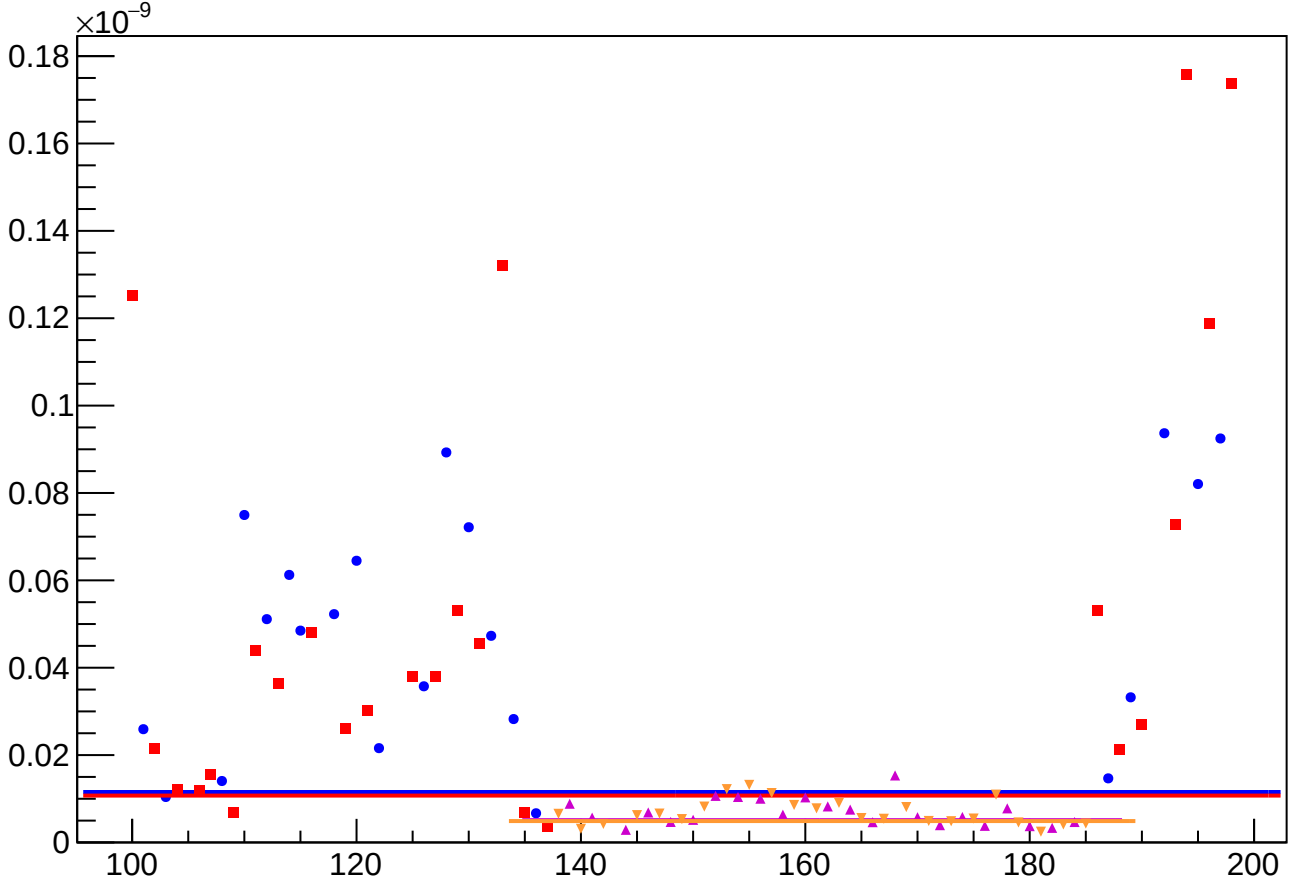
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/24

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.4/44

All: -0.000+/-0.000 χ^2/NDF: 88.9/92

- sign -0.000+/-0.000 χ^2/NDF: 46.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 6841018.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7948009.9/24

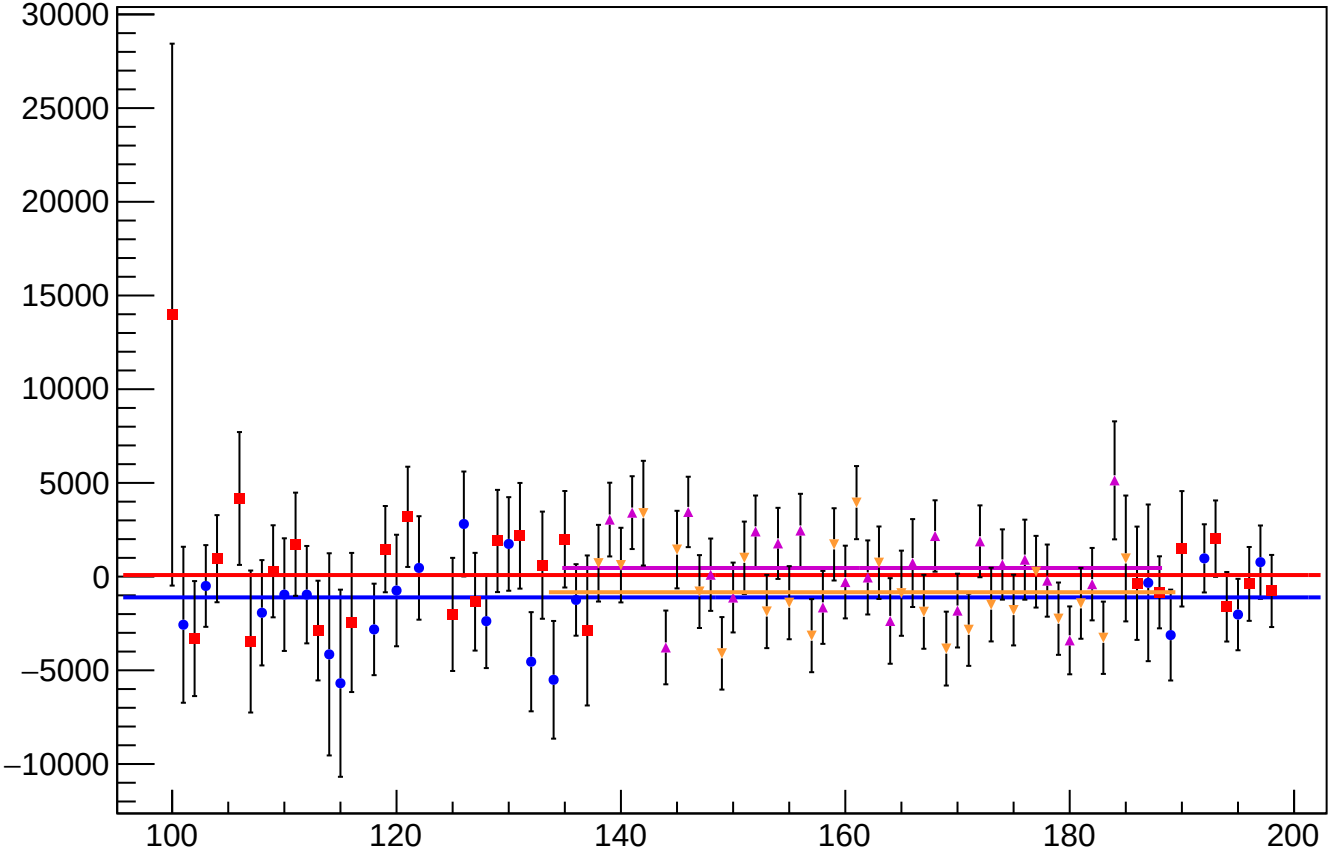
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13027299.3/44

All: 0.000+/-0.000 χ^2/NDF: 26288747.0/92

- sign 0.000+/-0.000 χ^2/NDF: 13240538.1/47

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1108.100+/-561.415 χ^2/NDF: 12.6/20

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 83.268+/-521.081 χ^2/NDF: 13.6/24

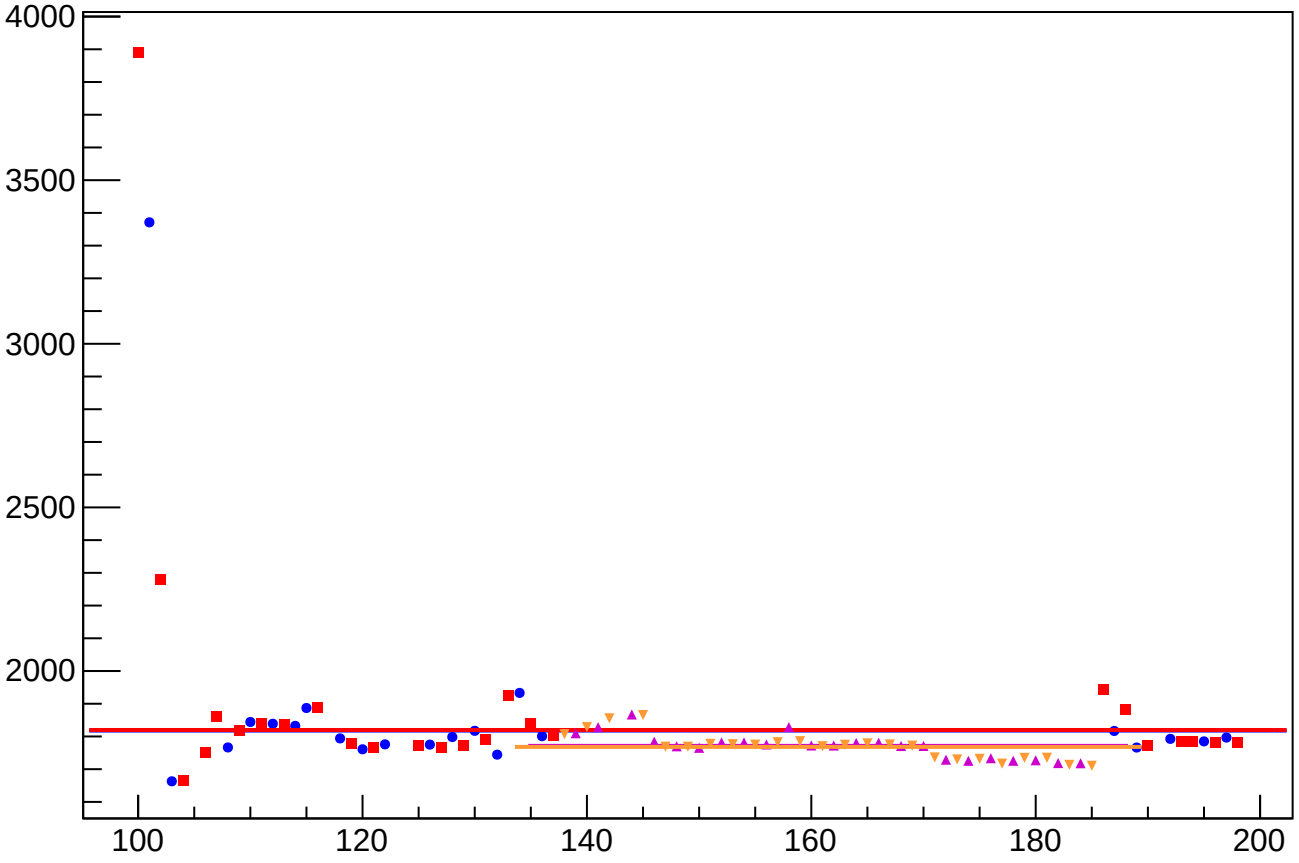
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -928.551+/-331.340 χ^2/NDF: 38.2/44

All: -293.244+/-231.644 χ^2/NDF: 86.6/92

- sign 314.125+/-323.973 χ^2/NDF: 41.2/47

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1818.072+/-0.397 χ^2/NDF: 298525.7/20

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

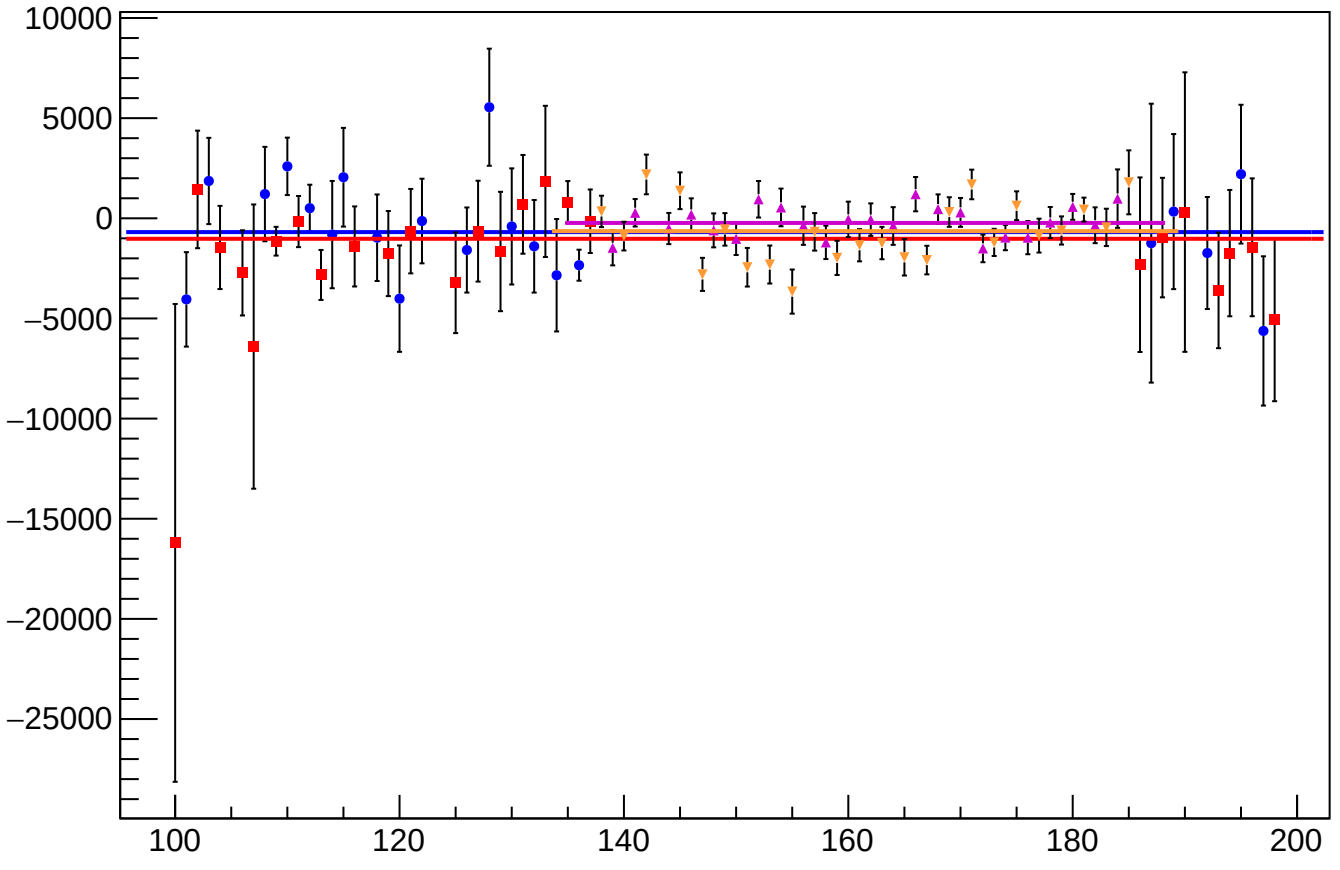
Right Out: 1819.787+/-0.368 χ^2/NDF: 112045.0/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.523+/-0.234 χ^2/NDF: 325199.9/44

All: 1787.808+/-0.164 χ^2/NDF: 464516.0/92

- sign 1789.992+/-0.229 χ^2/NDF: 139130.1/47



Right In: -689.225+/-426.945 χ^2/NDF: 25.9/20

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: -1022.763+/-377.634 χ^2/NDF: 13.6/24

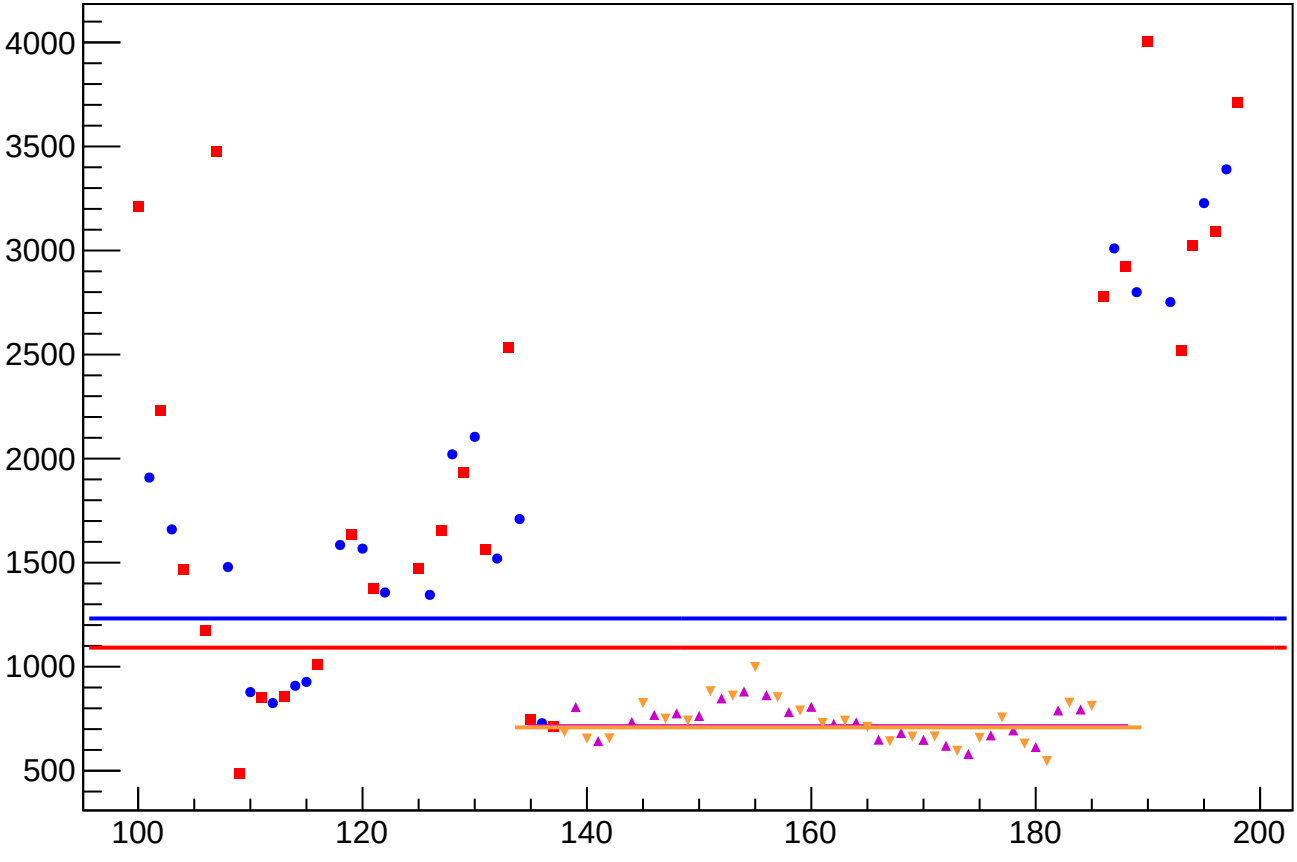
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -647.388+/-155.080 χ^2/NDF: 92.6/44

All: -503.422+/-109.181 χ^2/NDF: 131.5/92

- sign -361.937+/-153.739 χ^2/NDF: 37.2/47

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1231.682+/-0.302 χ^2/NDF: 4431334.3/20

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1091.595+/-0.267 χ^2/NDF: 7543959.9/24

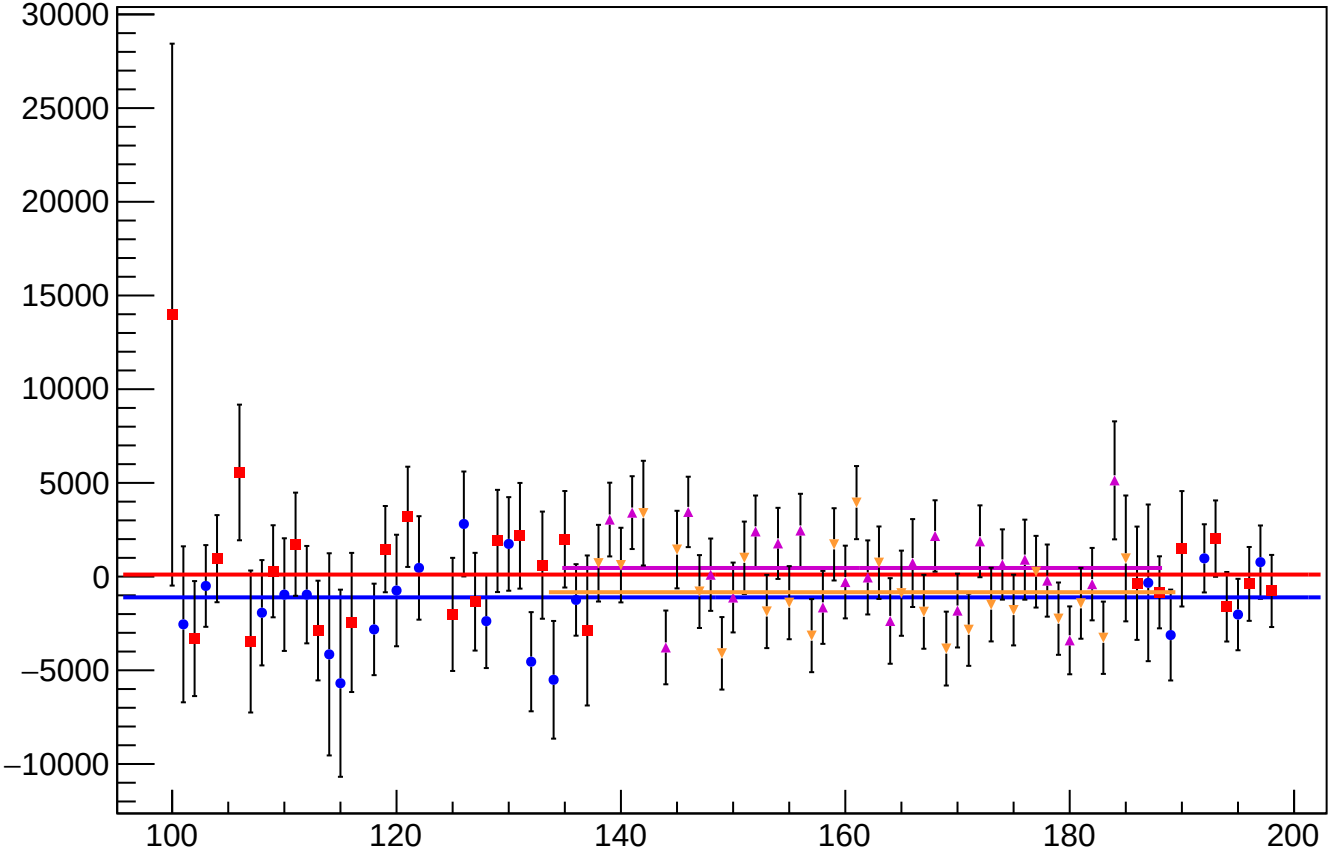
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 777.530+/-0.110 χ^2/NDF: 7738790.7/44

All: 777.120+/-0.077 χ^2/NDF: 17446767.1/92

- sign 776.718+/-0.109 χ^2/NDF: 9707948.7/47

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1107.705+/-561.415 χ^2/NDF: 12.6/20

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 108.384+/-521.311 χ^2/NDF: 14.6/24

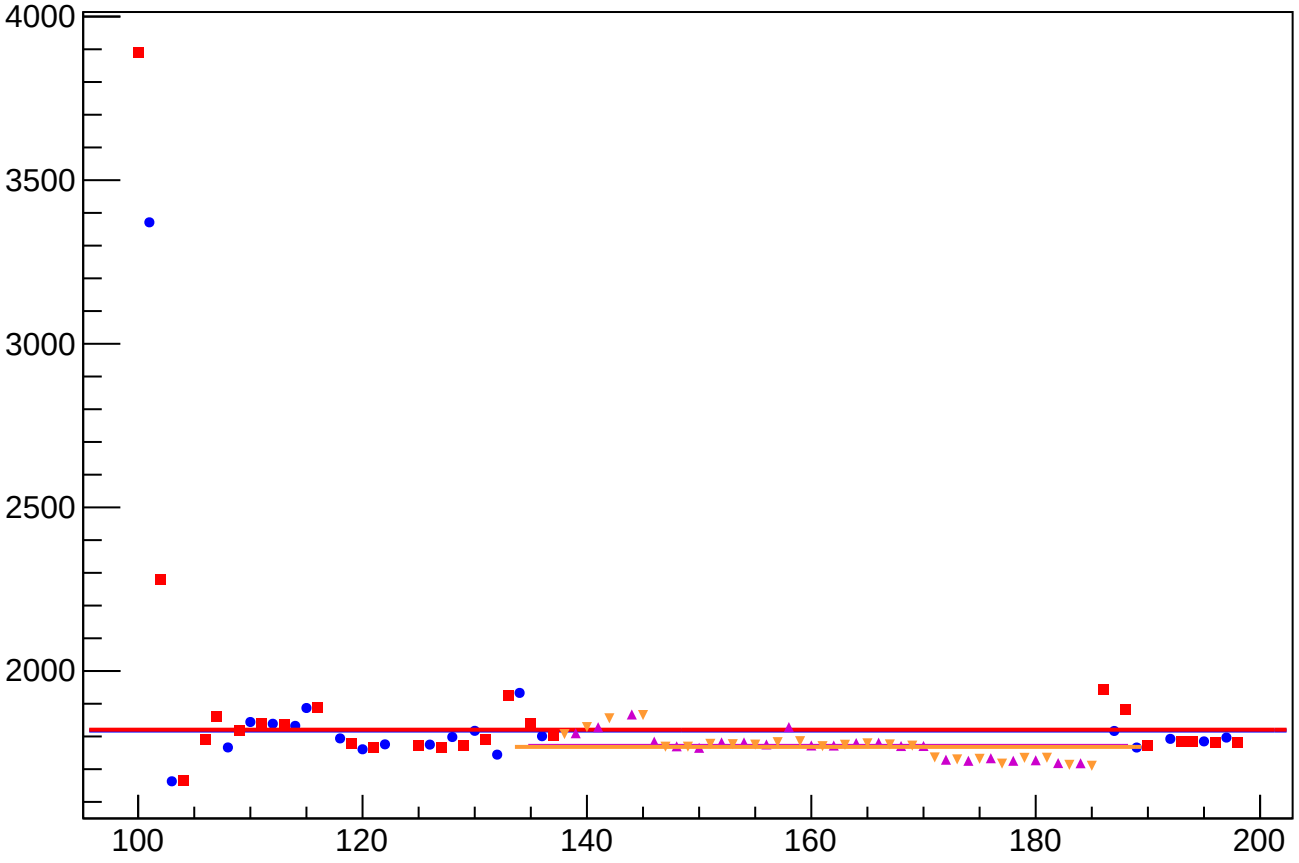
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -928.344+/-331.340 χ^2/NDF: 38.2/44

All: -288.261+/-231.665 χ^2/NDF: 87.7/92

- sign 323.882+/-324.028 χ^2/NDF: 42.1/47

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1818.072+/-0.397 χ^2/NDF: 298527.5/20

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

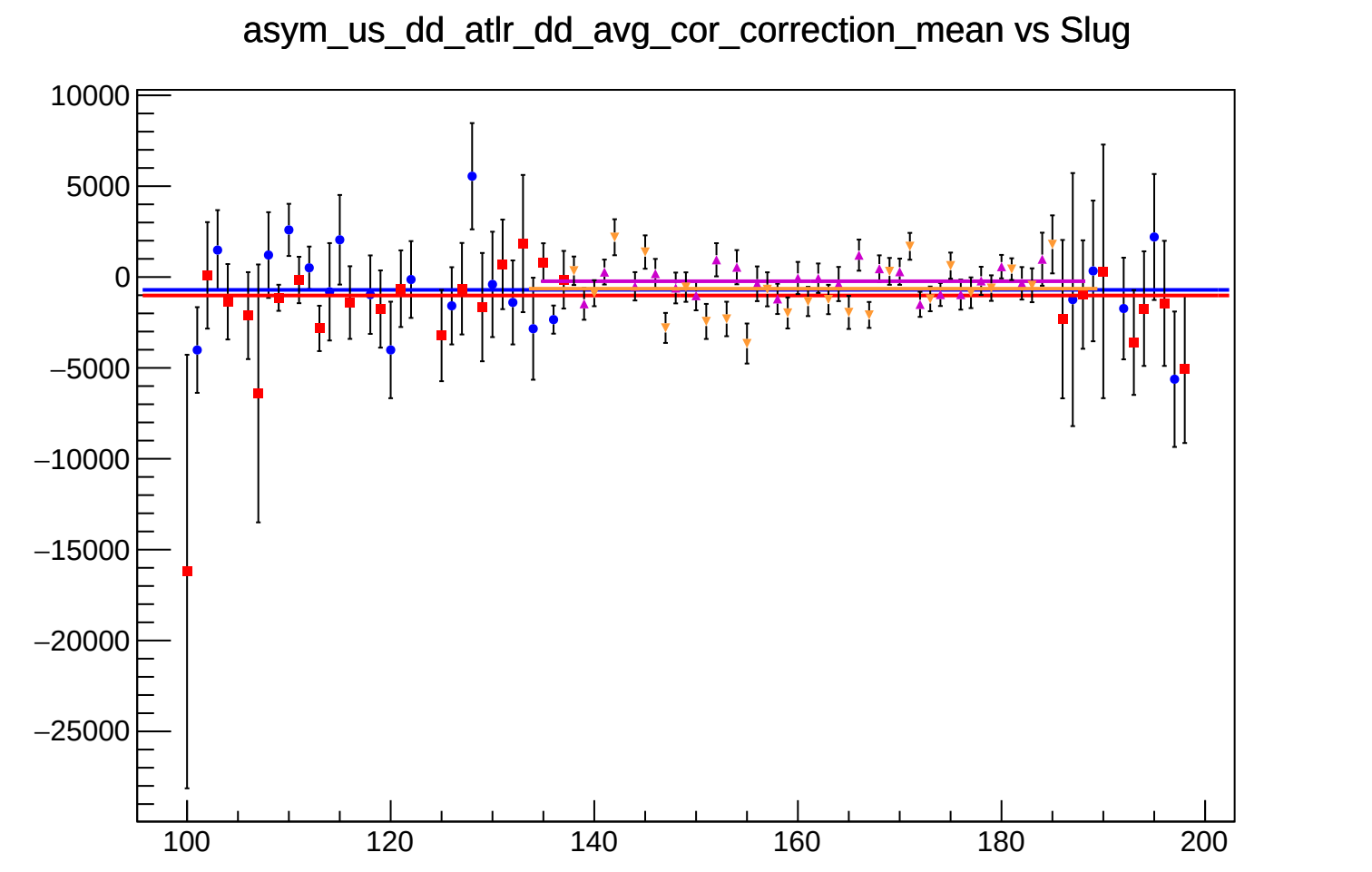
Right Out: 1820.697+/-0.369 χ^2/NDF: 111399.4/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.523+/-0.234 χ^2/NDF: 325201.7/44

All: 1787.982+/-0.164 χ^2/NDF: 464298.6/92

- sign 1790.333+/-0.229 χ^2/NDF: 138881.4/47



Right In: -706.616+/-427.279 χ^2/NDF: 25.4/20

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -1015.334+/-378.866 χ^2/NDF: 12.6/24

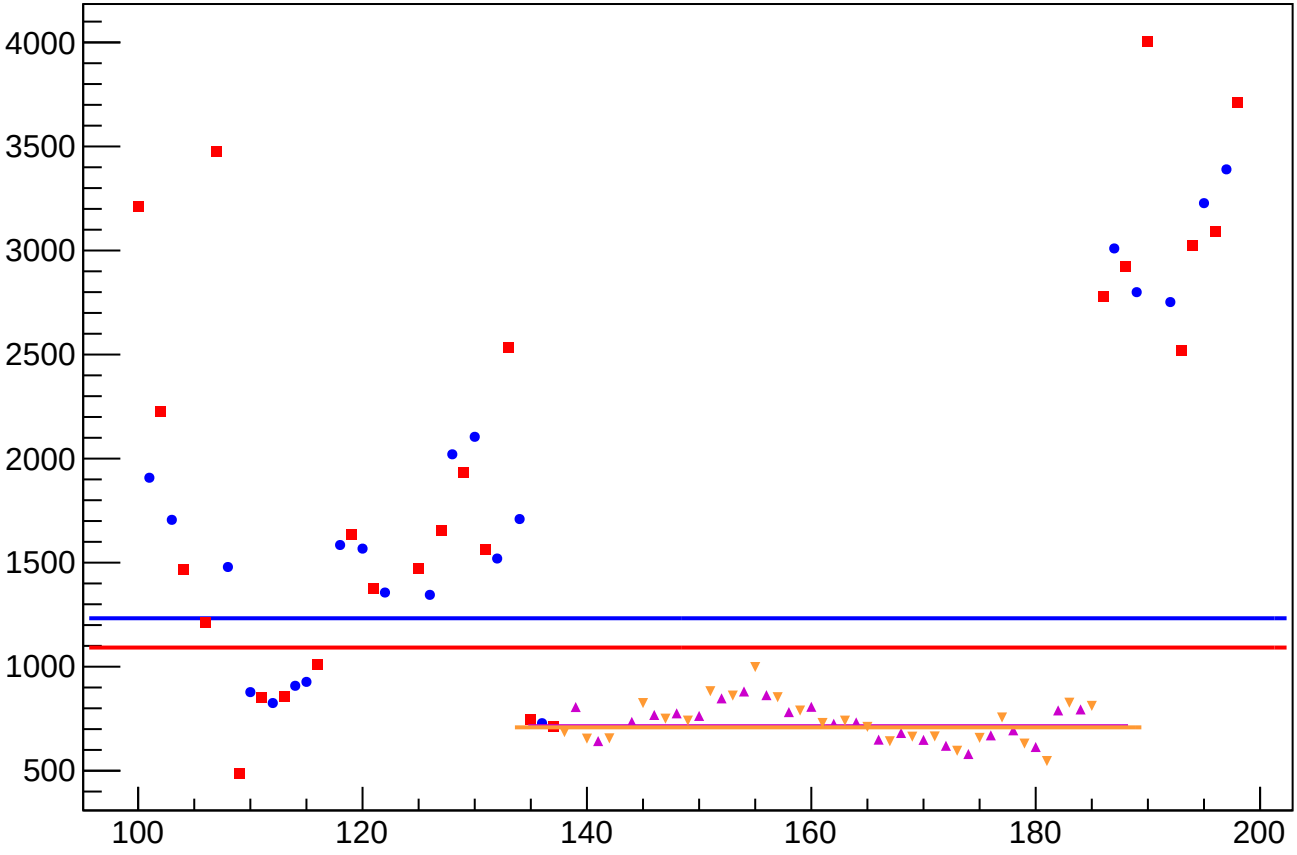
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -649.649+/-155.097 χ^2/NDF: 92.1/44

All: -503.597+/-109.217 χ^2/NDF: 130.0/92

- sign -359.935+/-153.823 χ^2/NDF: 36.1/47

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1232.740+/-0.302 χ^2/NDF: 4444939.8/20

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1091.985+/-0.268 χ^2/NDF: 7544877.1/24

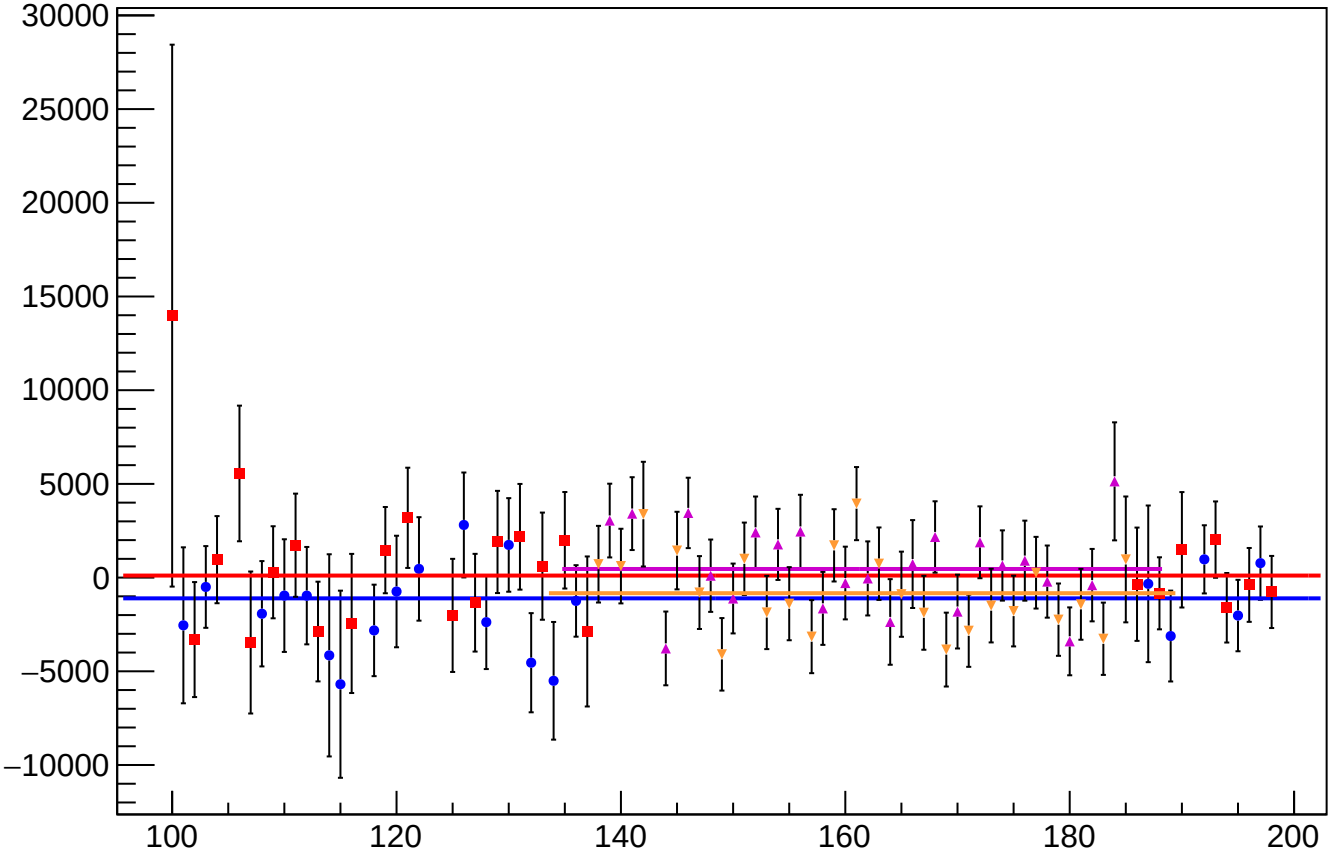
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 777.582+/-0.110 χ^2/NDF: 7759317.3/44

All: 777.010+/-0.077 χ^2/NDF: 17462578.6/92

- sign 776.449+/-0.109 χ^2/NDF: 9703207.6/47

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1107.705+/-561.415 χ^2/NDF: 12.6/20

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 108.384+/-521.311 χ^2/NDF: 14.6/24

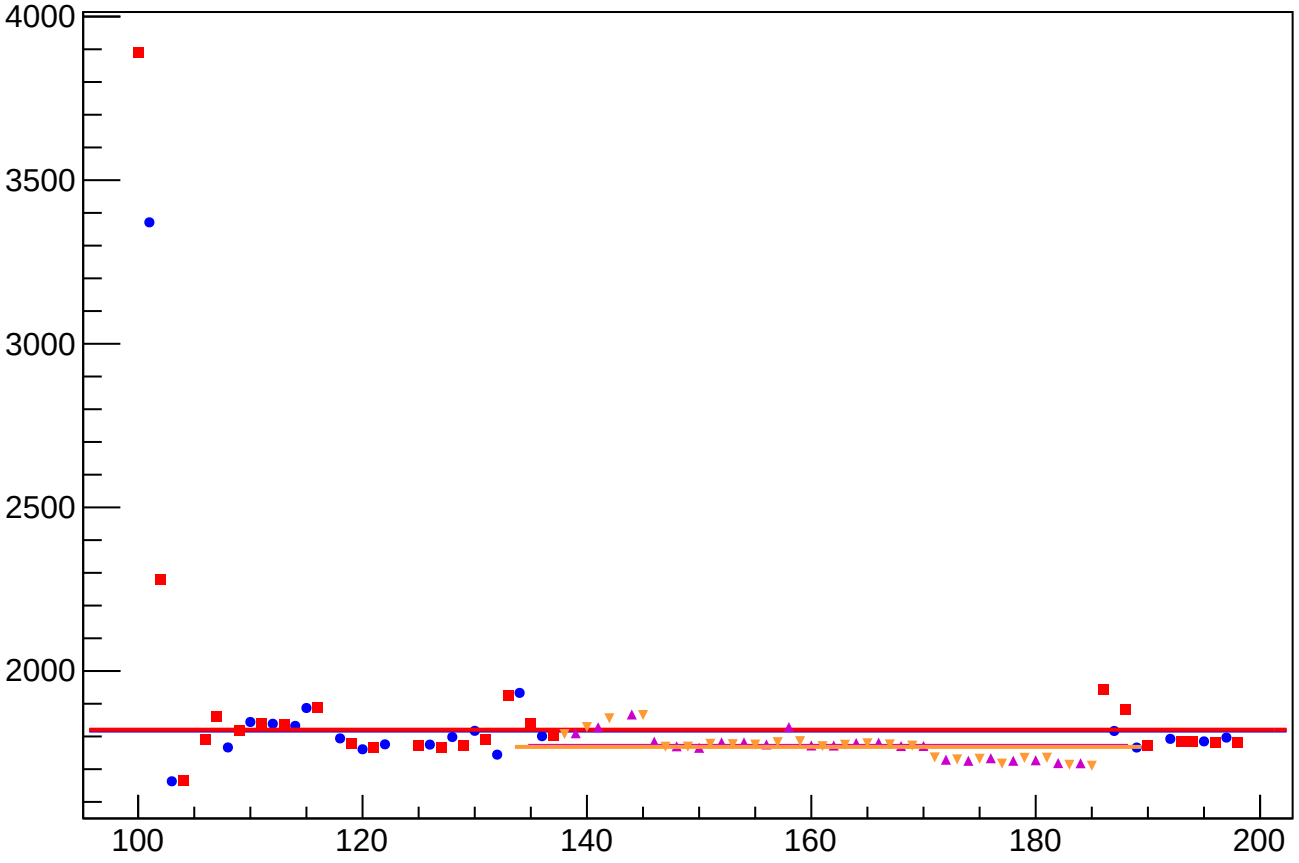
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -928.344+/-331.340 χ^2/NDF: 38.2/44

All: -288.261+/-231.665 χ^2/NDF: 87.7/92

- sign 323.882+/-324.028 χ^2/NDF: 42.1/47

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1818.072+/-0.397 χ^2/NDF: 298527.5/20

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

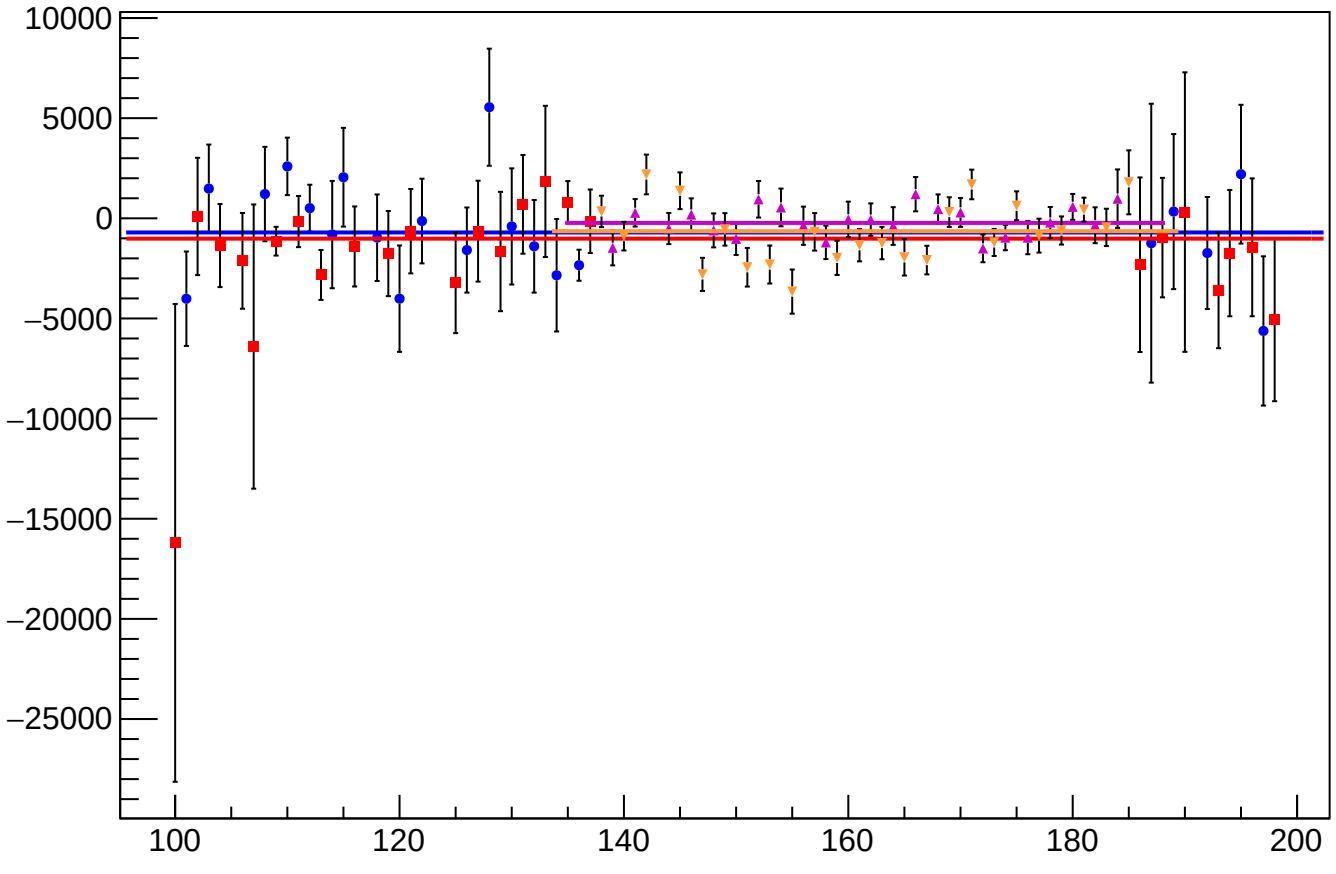
Right Out: 1820.697+/-0.369 χ^2/NDF: 111399.4/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.523+/-0.234 χ^2/NDF: 325201.7/44

All: 1787.982+/-0.164 χ^2/NDF: 464298.6/92

- sign 1790.333+/-0.229 χ^2/NDF: 138881.4/47



Right In: -706.616+/-427.279 χ^2/NDF: 25.4/20

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

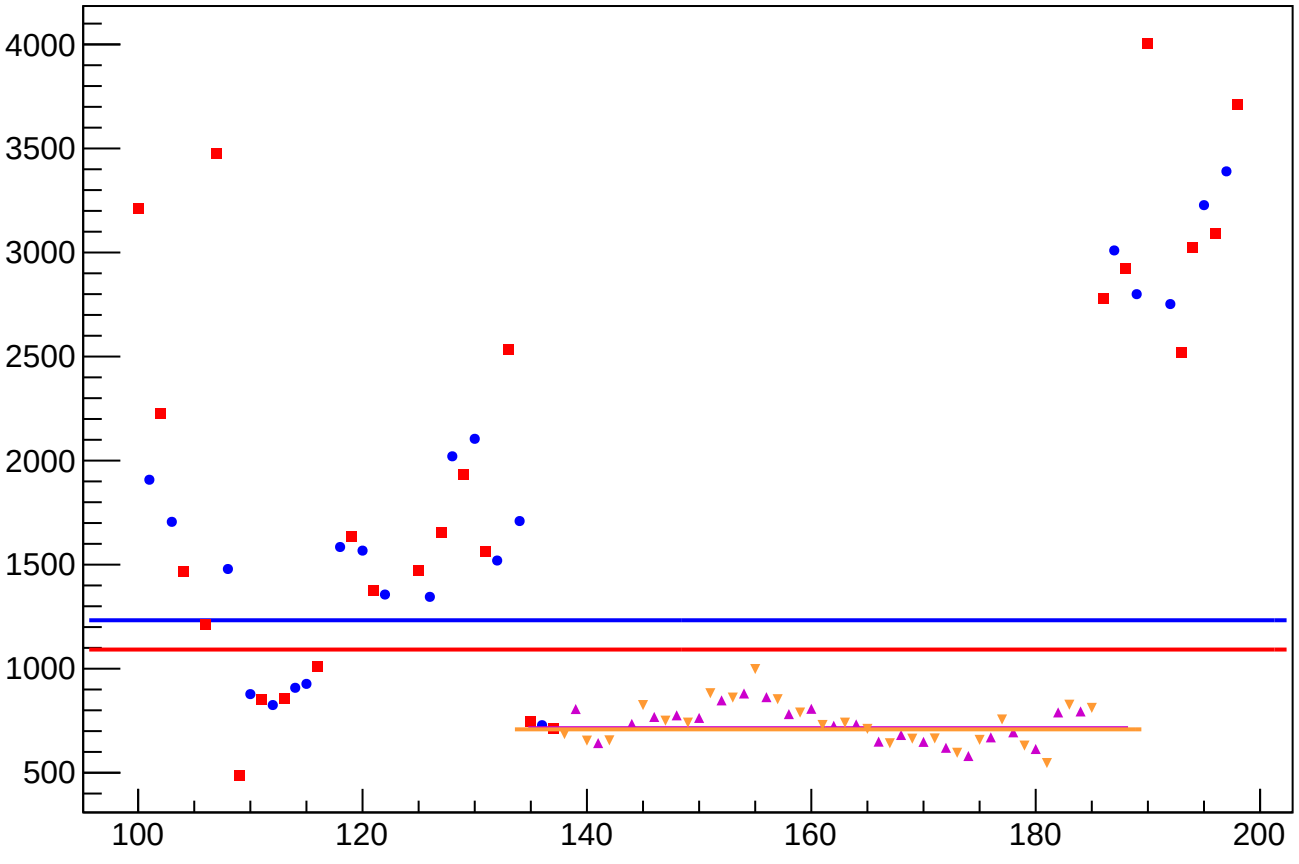
Right Out: -1015.334+/-378.866 χ^2/NDF: 12.6/24

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

\+ sign -649.649+/-155.097 χ^2/NDF: 92.1/44

All: -503.597+/-109.217 χ^2/NDF: 130.0/92

\- sign -359.935+/-153.823 χ^2/NDF: 36.1/47



Right In: 1232.740+/-0.302 χ^2/NDF: 4444939.8/20

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1091.985+/-0.268 χ^2/NDF: 7544877.1/24

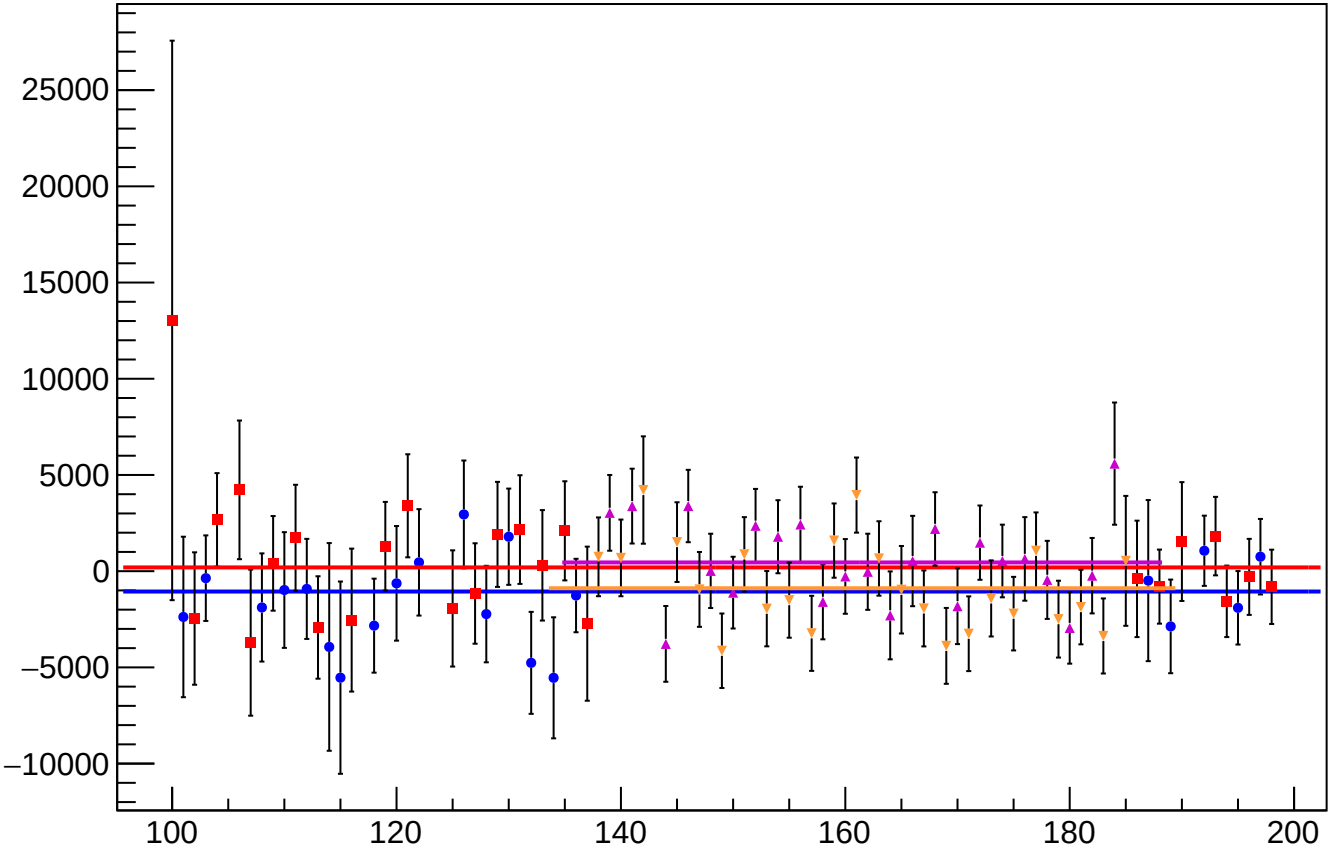
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 777.582+/-0.110 χ^2/NDF: 7759317.3/44

All: 777.010+/-0.077 χ^2/NDF: 17462578.6/92

- sign 776.449+/-0.109 χ^2/NDF: 9703207.6/47

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1057.555+/-563.018 χ^2/NDF: 12.8/20

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 195.371+/-524.640 χ^2/NDF: 13.7/24

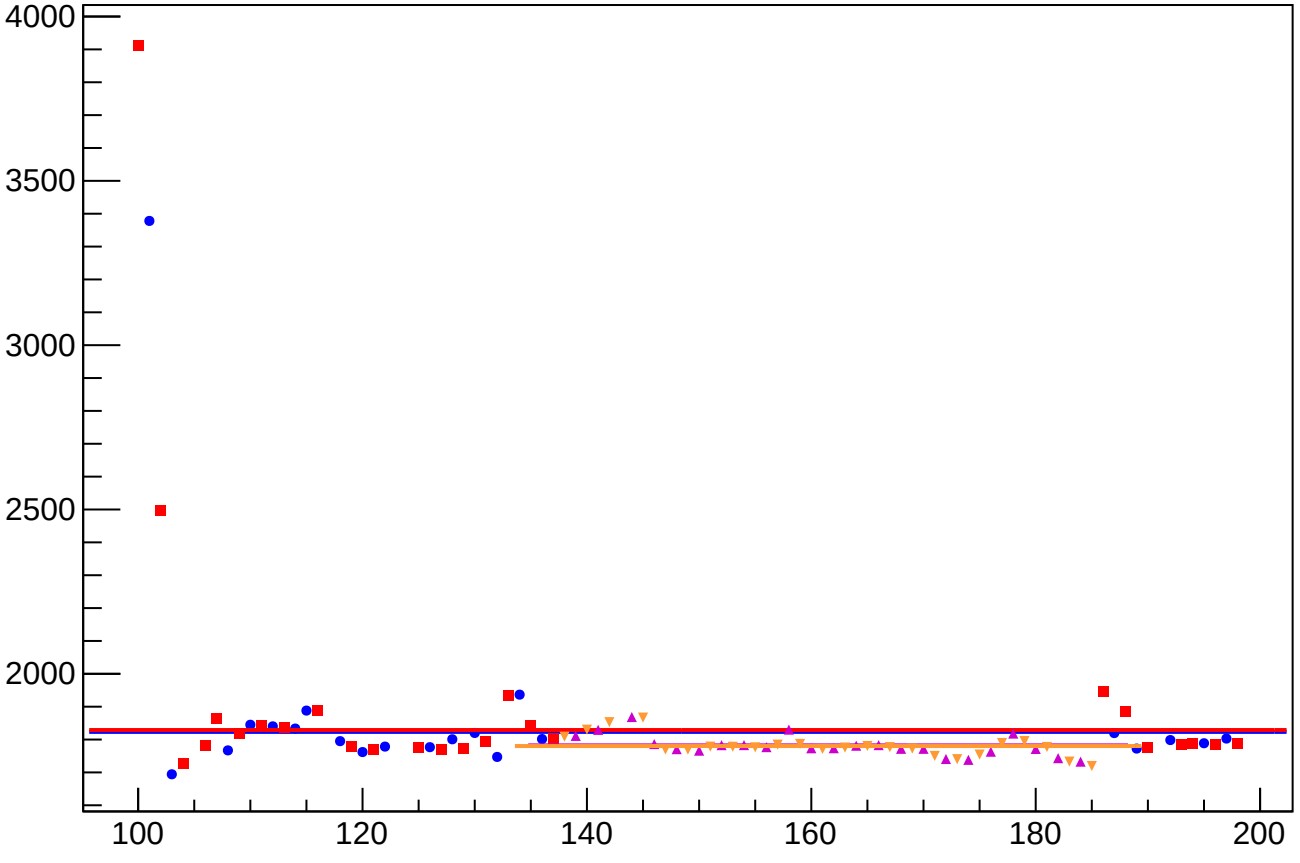
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -946.290+/-333.130 χ^2/NDF: 41.0/44

All: -282.386+/-233.019 χ^2/NDF: 88.4/92

- sign 353.635+/-326.060 χ^2/NDF: 39.7/47

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1823.347+/-0.398 χ^2/NDF: 295019.1/20

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

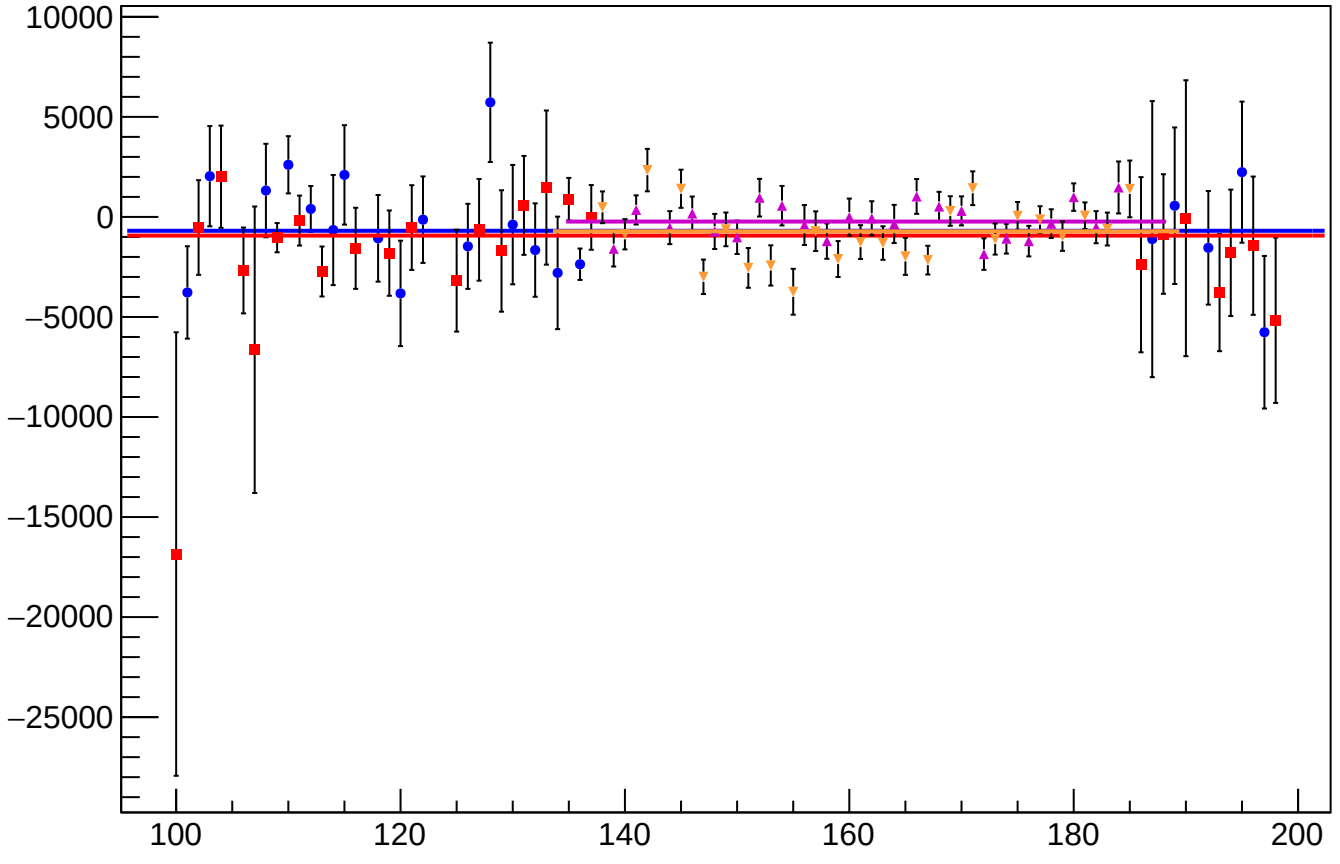
Right Out: 1828.951+/-0.371 χ^2/NDF: 137681.9/24

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.319+/-0.236 χ^2/NDF: 313025.7/44

All: 1797.872+/-0.165 χ^2/NDF: 471876.0/92

- sign 1800.318+/-0.231 χ^2/NDF: 158620.3/47



Right In: -692.453+/-430.768 χ^2/NDF: 25.4/20

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: -931.899+/-381.154 χ^2/NDF: 14.6/24

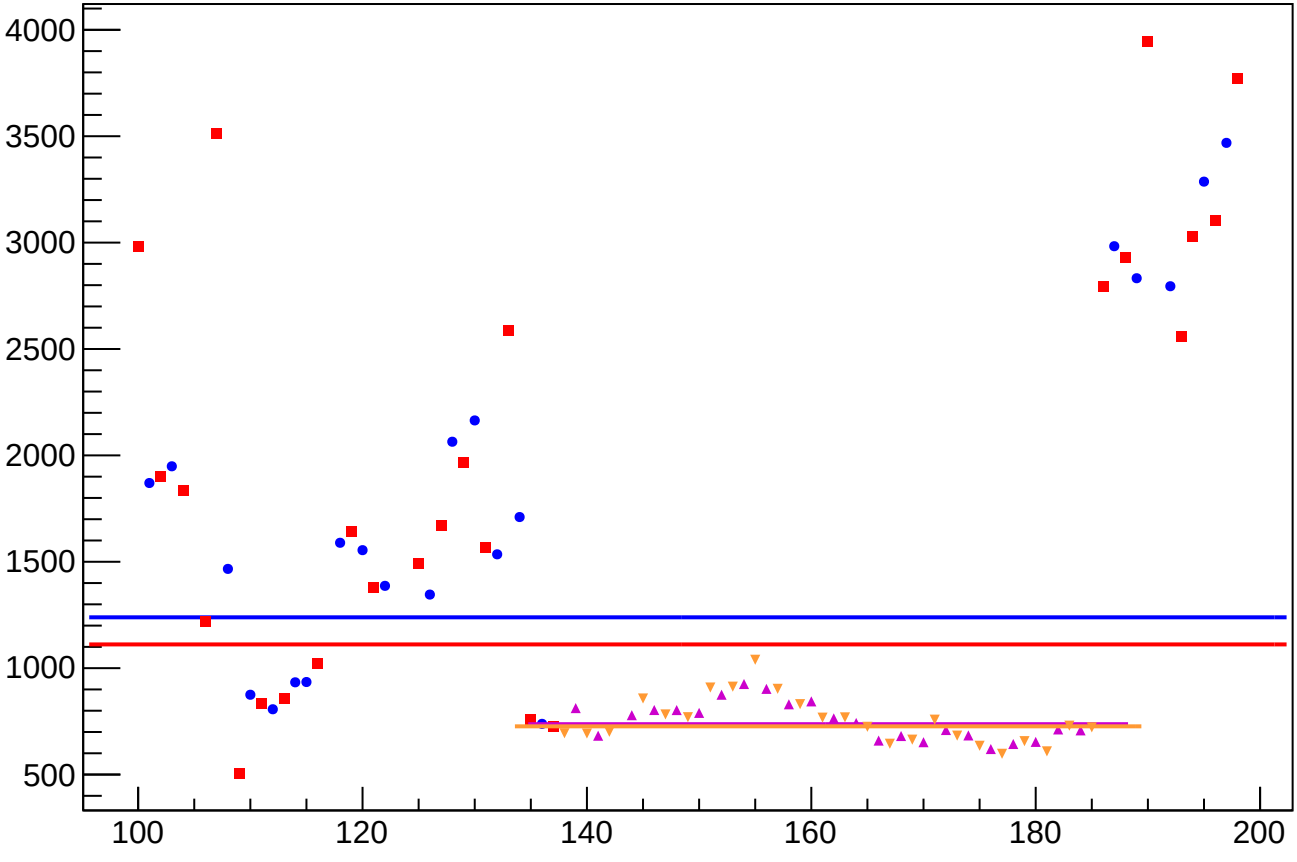
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -713.326+/-158.616 χ^2/NDF: 84.8/44

All: -531.547+/-111.891 χ^2/NDF: 128.8/92

- sign -351.493+/-157.861 χ^2/NDF: 41.5/47

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1238.972+/-0.305 χ^2/NDF: 4561160.1/20

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1111.611+/-0.270 χ^2/NDF: 7480417.1/24

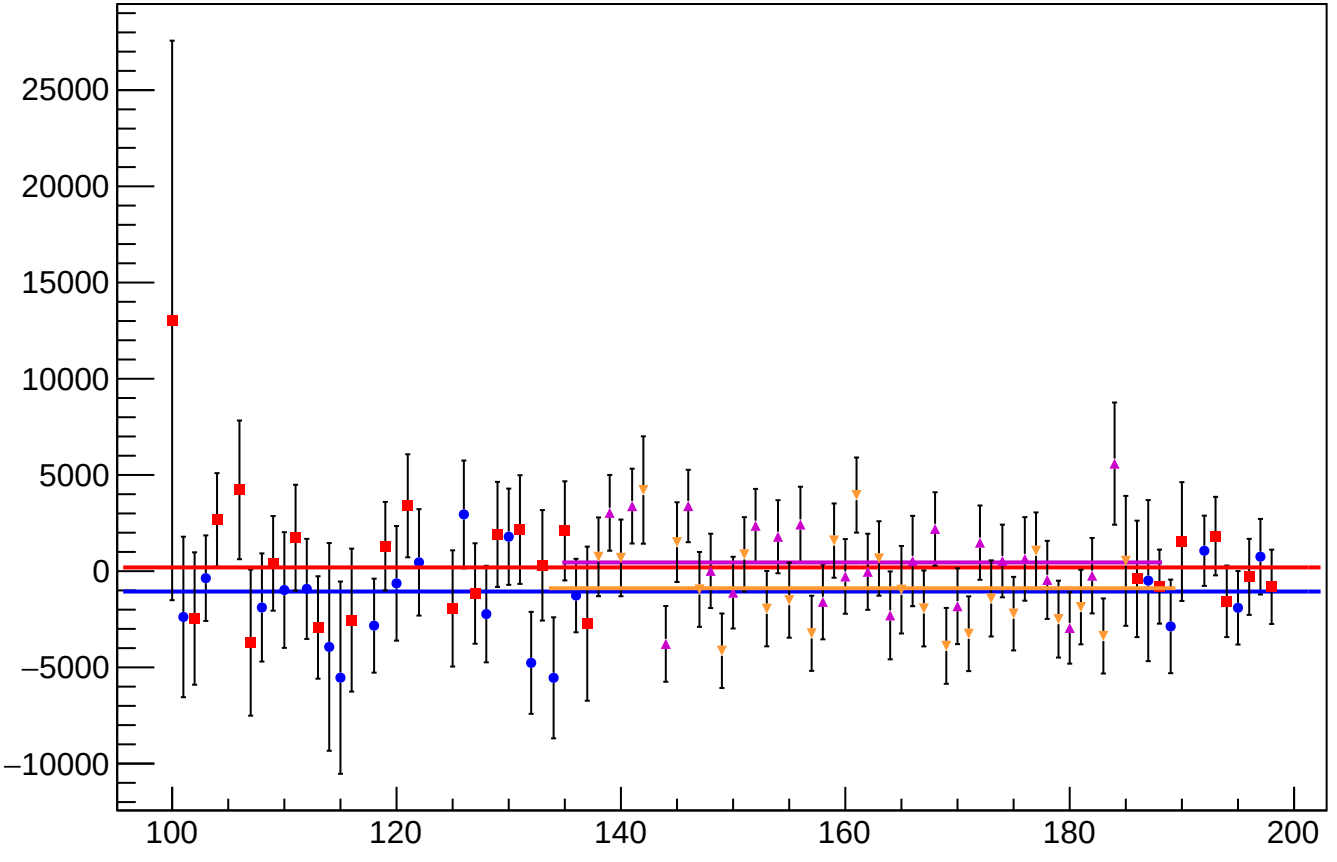
Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 796.073+/-0.112 χ^2/NDF: 7691789.0/44

All: 798.557+/-0.079 χ^2/NDF: 17241238.6/92

- sign 801.018+/-0.112 χ^2/NDF: 9548473.0/47

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1057.555+/-563.017 χ^2/NDF: 12.8/20

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 195.371+/-524.640 χ^2/NDF: 13.7/24

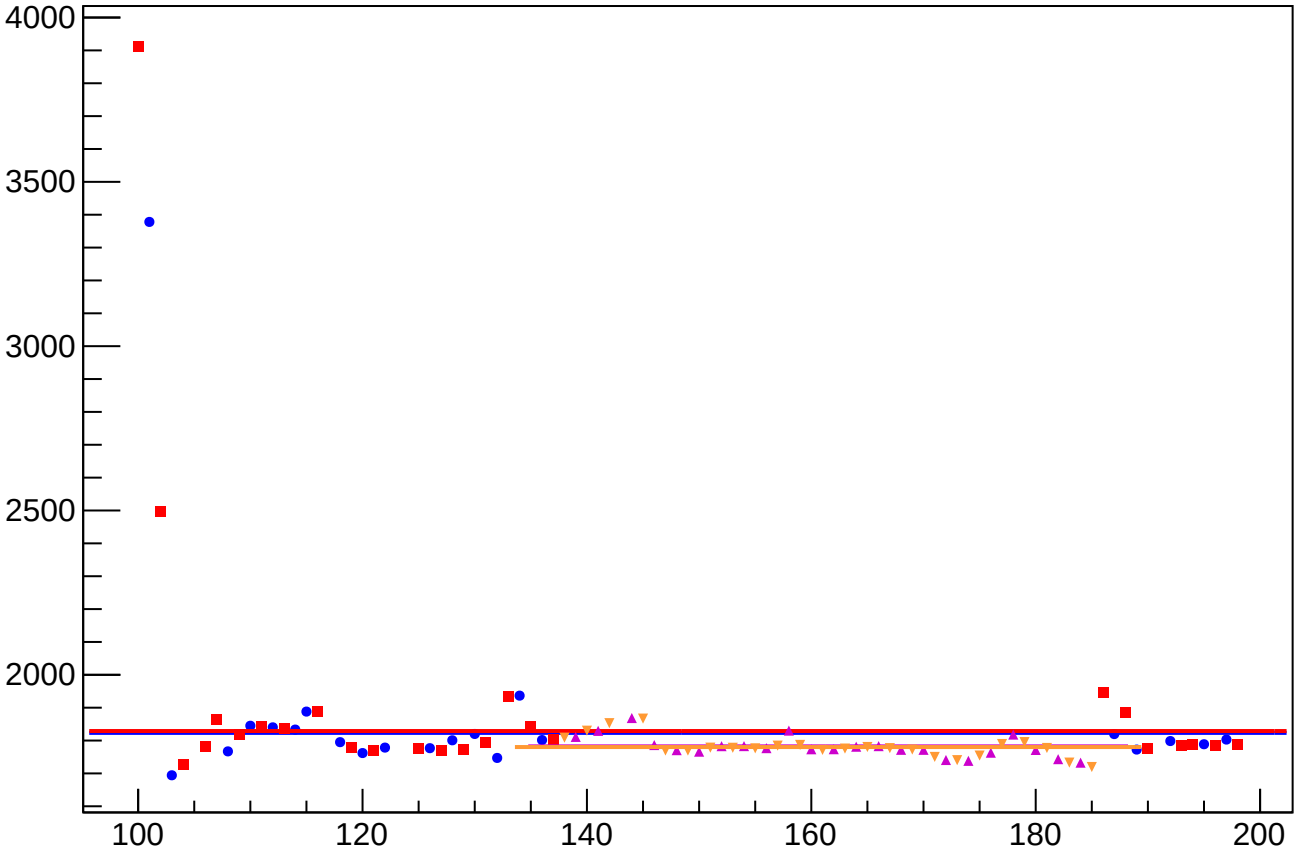
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -946.289+/-333.130 χ^2/NDF: 41.0/44

All: -282.385+/-233.019 χ^2/NDF: 88.4/92

- sign 353.635+/-326.060 χ^2/NDF: 39.7/47

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1823.347+/-0.398 χ^2/NDF: 295019.1/20

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

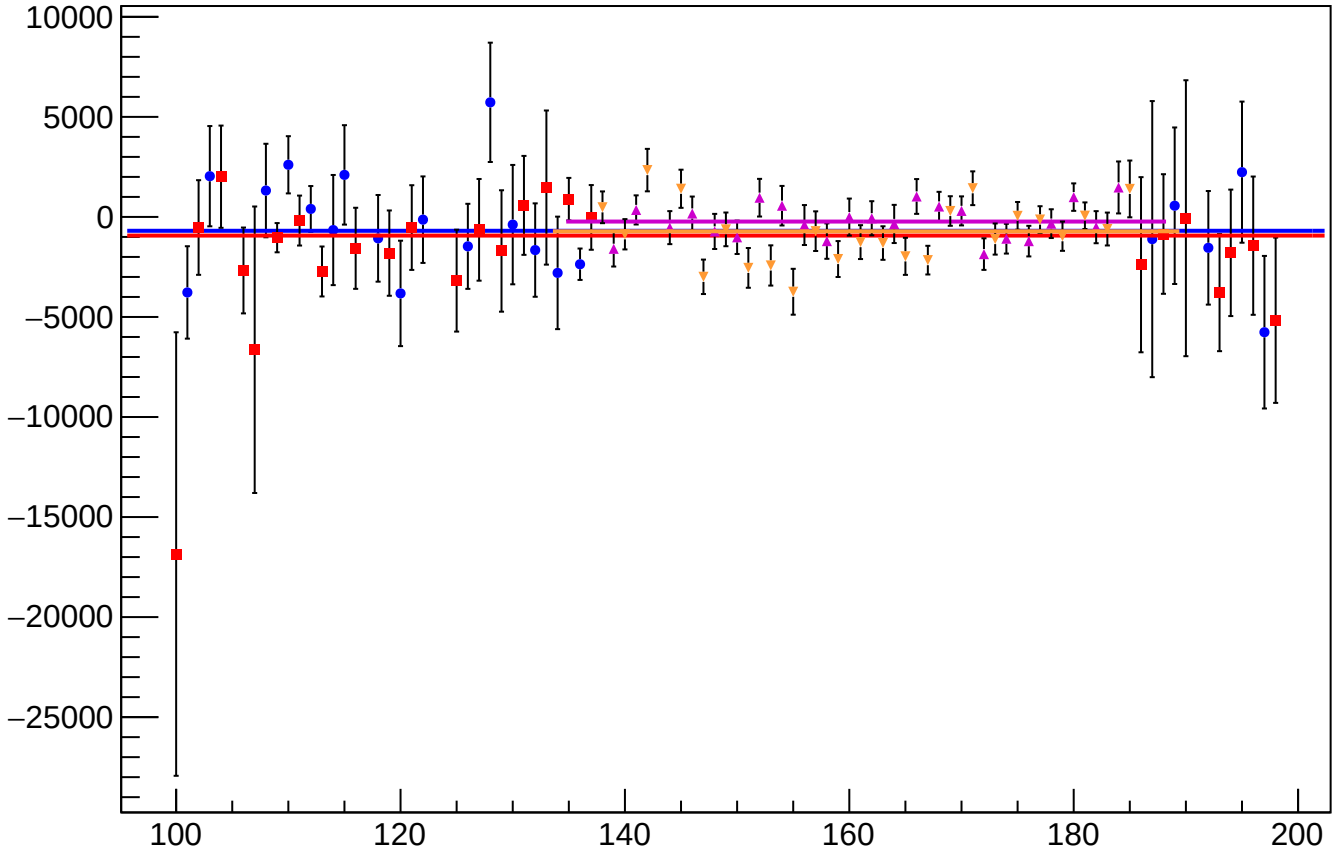
Right Out: 1828.951+/-0.371 χ^2/NDF: 137681.9/24

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.318+/-0.236 χ^2/NDF: 313025.7/44

All: 1797.872+/-0.165 χ^2/NDF: 471876.2/92

- sign 1800.318+/-0.231 χ^2/NDF: 158620.4/47



Right In: -692.441+/-430.769 χ^2/NDF: 25.4/20

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

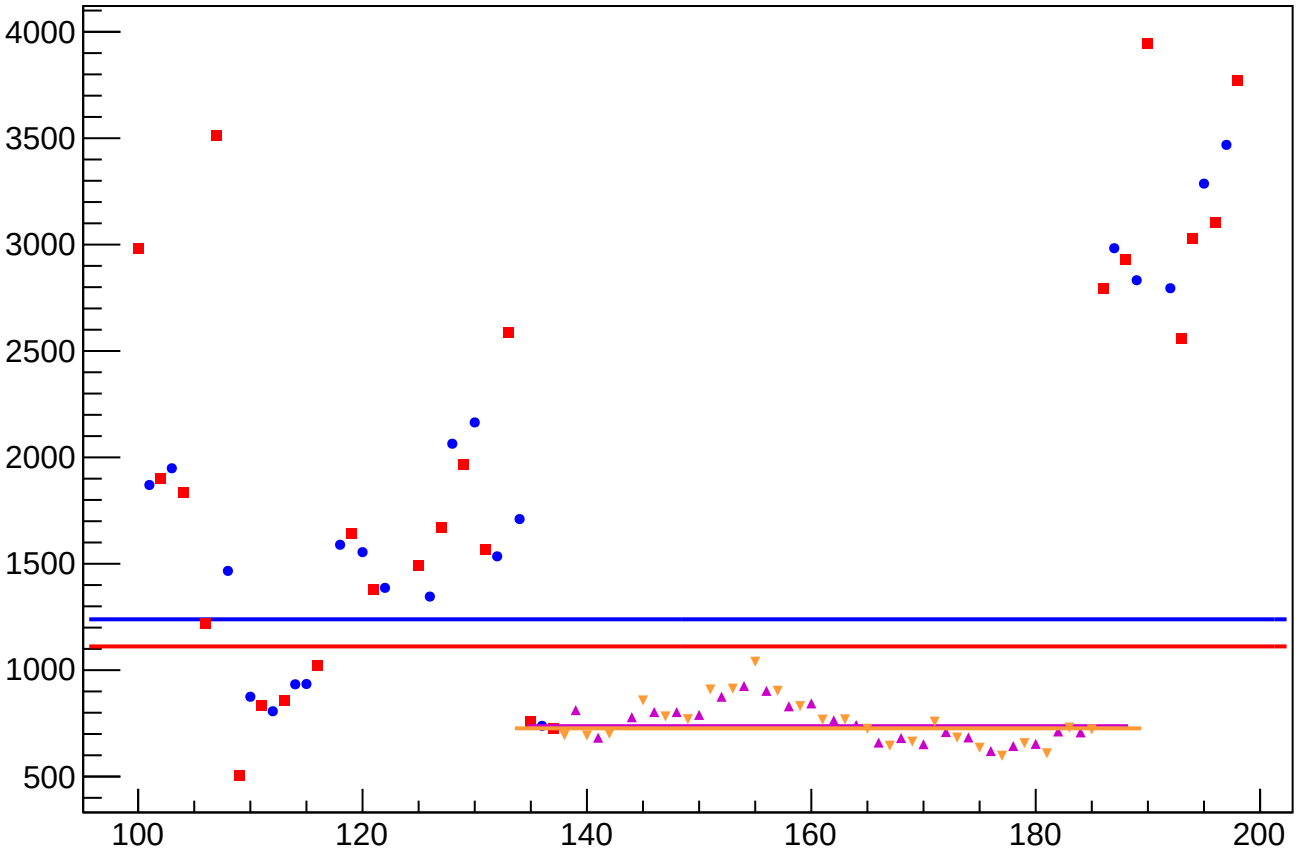
Right Out: -931.905+/-381.154 χ^2/NDF: 14.6/24

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -713.325+/-158.616 χ^2/NDF: 84.8/44

All: -531.546+/-111.891 χ^2/NDF: 128.8/92

- sign -351.492+/-157.861 χ^2/NDF: 41.5/47



Right In: 1238.975+/-0.305 χ^2/NDF: 4561109.4/20

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1111.613+/-0.270 χ^2/NDF: 7480377.5/24

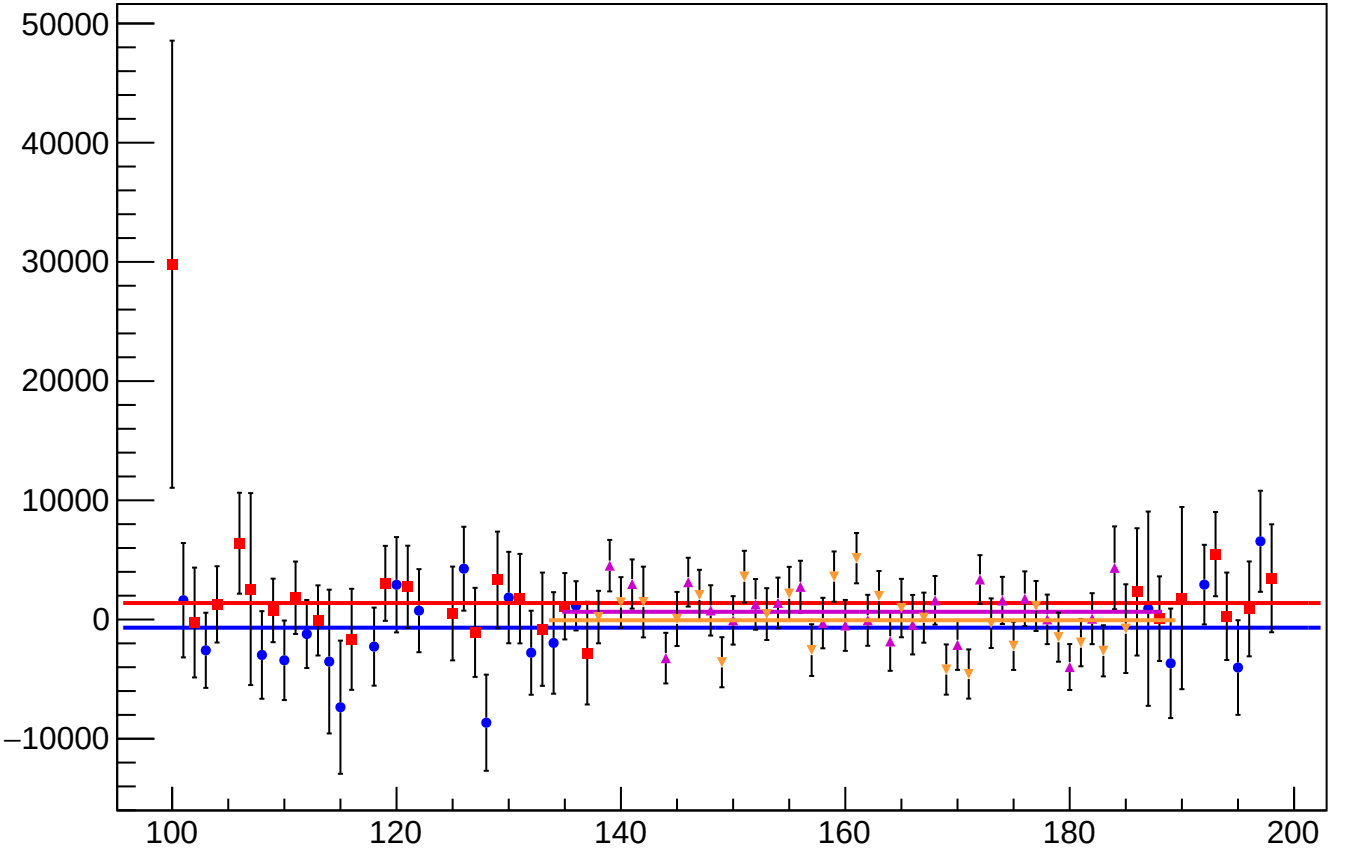
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 796.073+/-0.112 χ^2/NDF: 7691756.6/44

All: 798.557+/-0.079 χ^2/NDF: 17241202.5/92

- sign 801.017+/-0.112 χ^2/NDF: 9548469.7/47

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -684.462+/-795.349 χ^2/NDF: 17.4/20

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1383.157+/-763.045 χ^2/NDF: 8.9/24

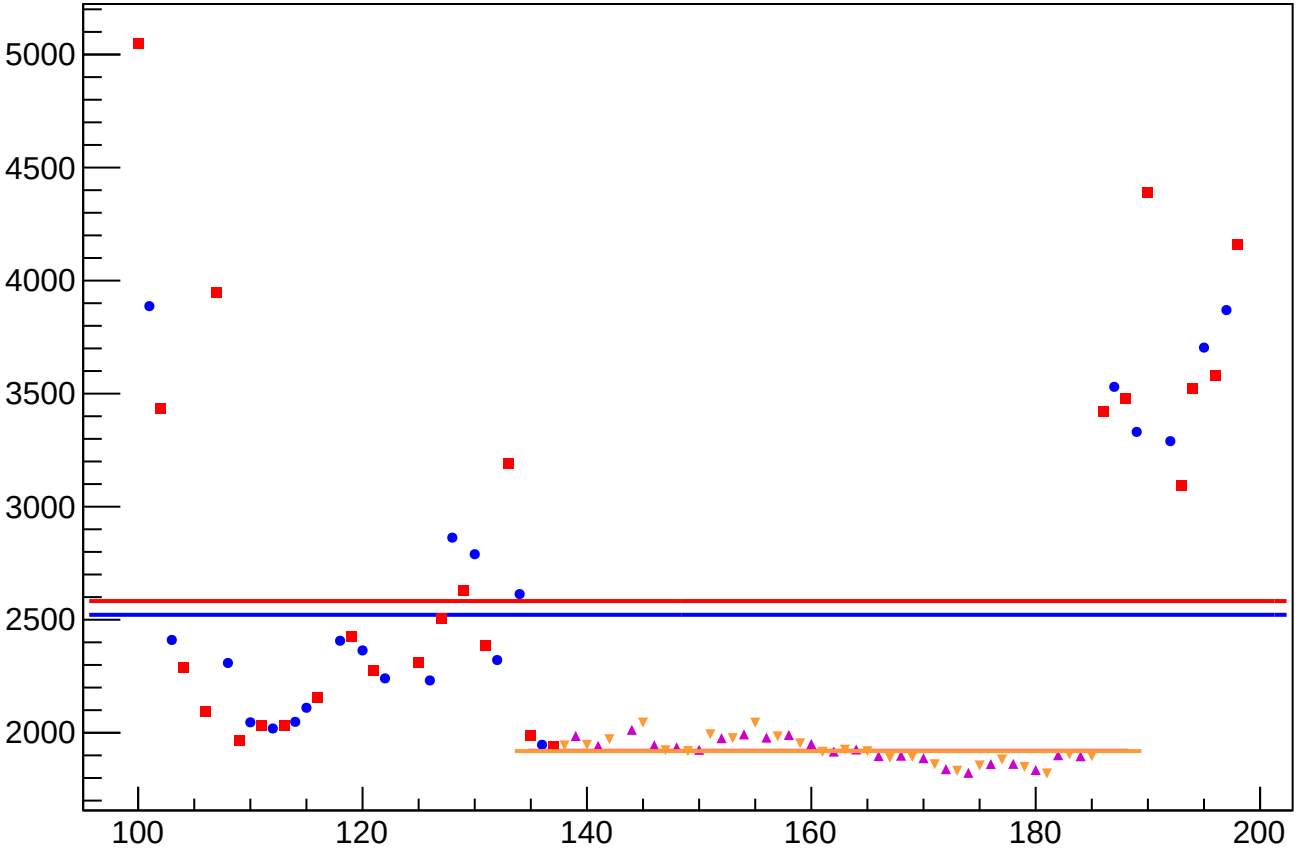
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -208.872+/-388.747 χ^2/NDF: 50.8/44

All: 316.340+/-274.152 χ^2/NDF: 87.7/92

- sign 835.981+/-386.680 χ^2/NDF: 33.2/47

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2521.781+/-0.562 χ^2/NDF: 1094225.1/20

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

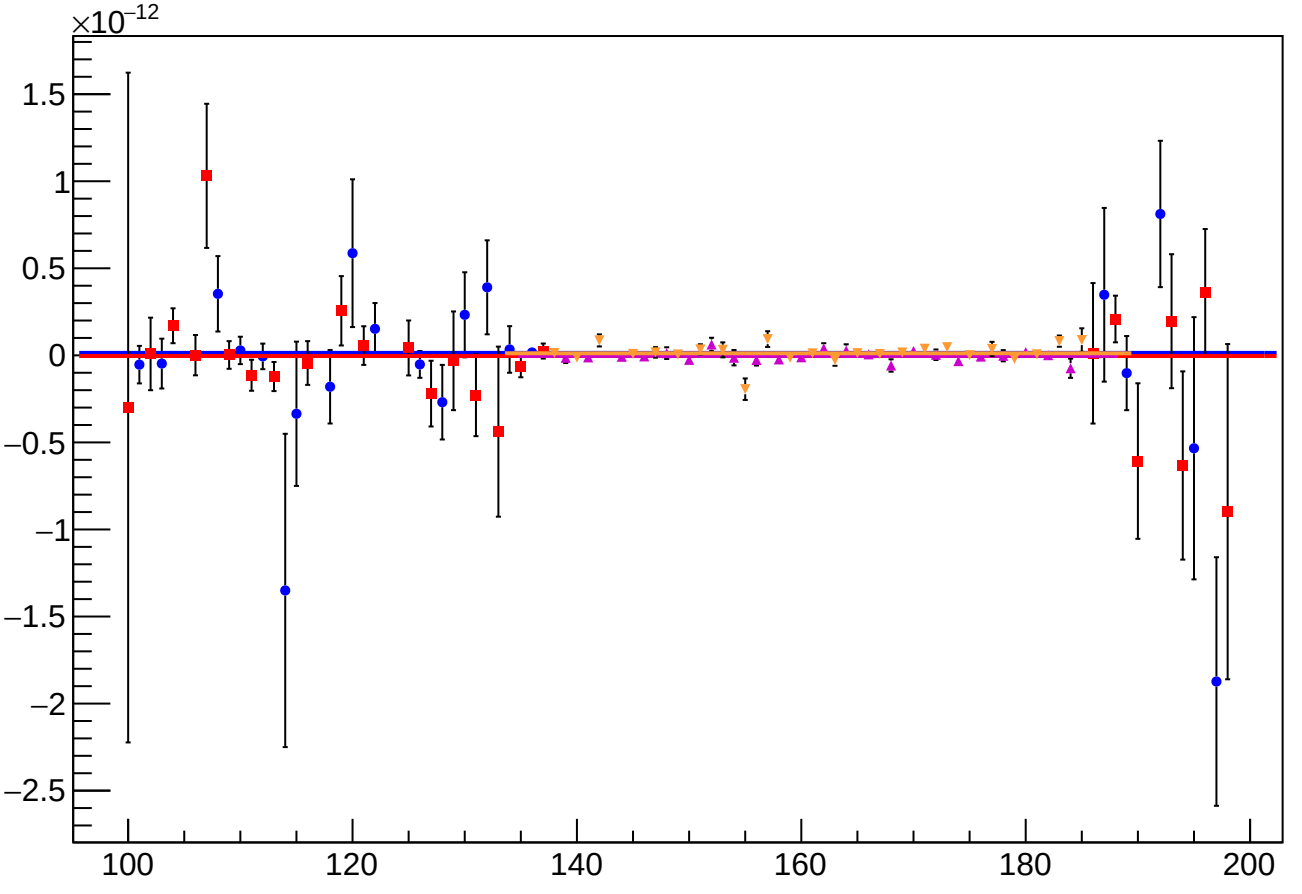
Right Out: 2582.616+/-0.540 χ^2/NDF: 1503654.7/24

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

\+ sign 2062.987+/-0.275 χ^2/NDF: 2004203.6/44

All: 2076.728+/-0.194 χ^2/NDF: 4662900.3/92

\- sign 2090.323+/-0.273 χ^2/NDF: 2653725.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

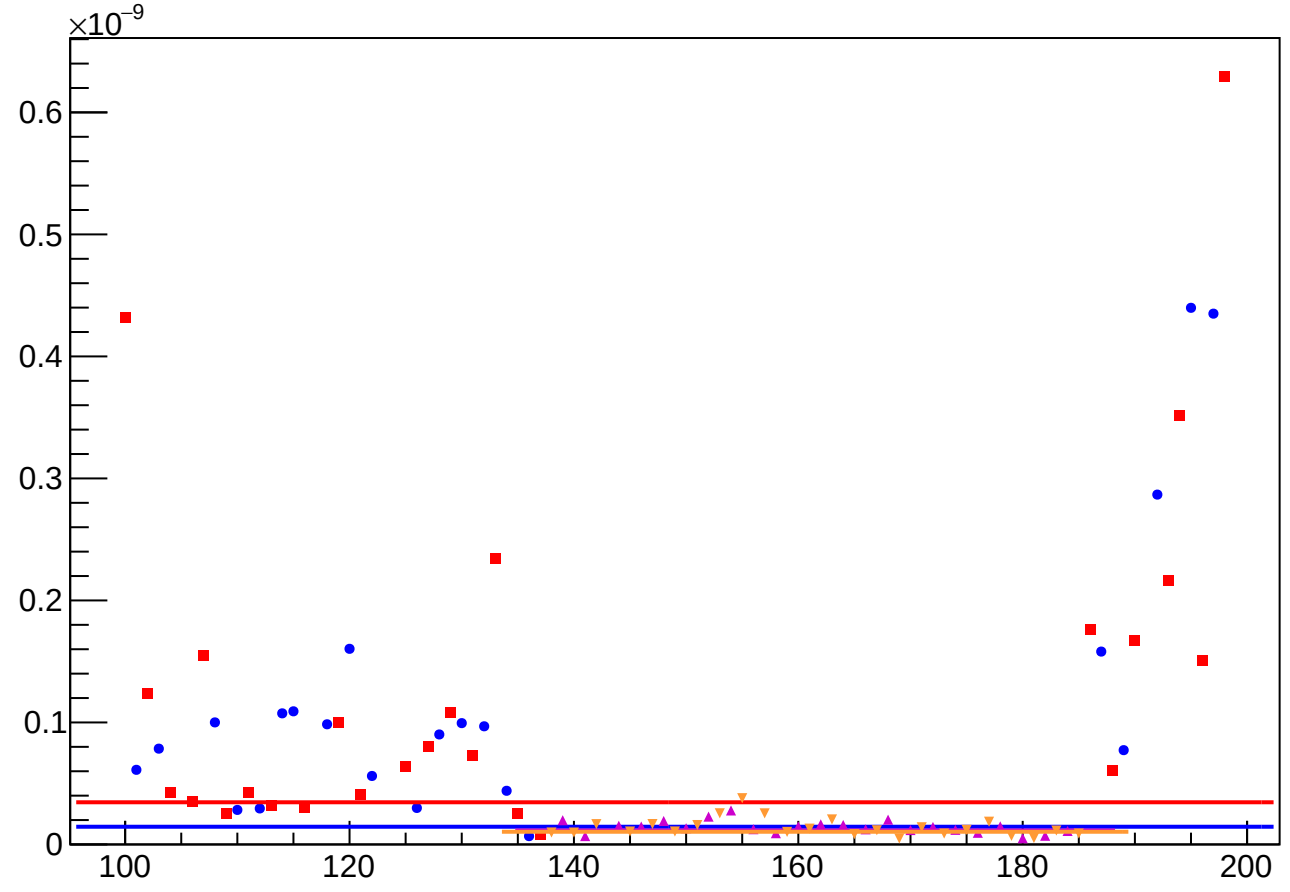
Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/24

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/44

All: 0.000+/-0.000 χ^2/NDF: 117.1/92

- sign -0.000+/-0.000 χ^2/NDF: 47.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 5936752.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

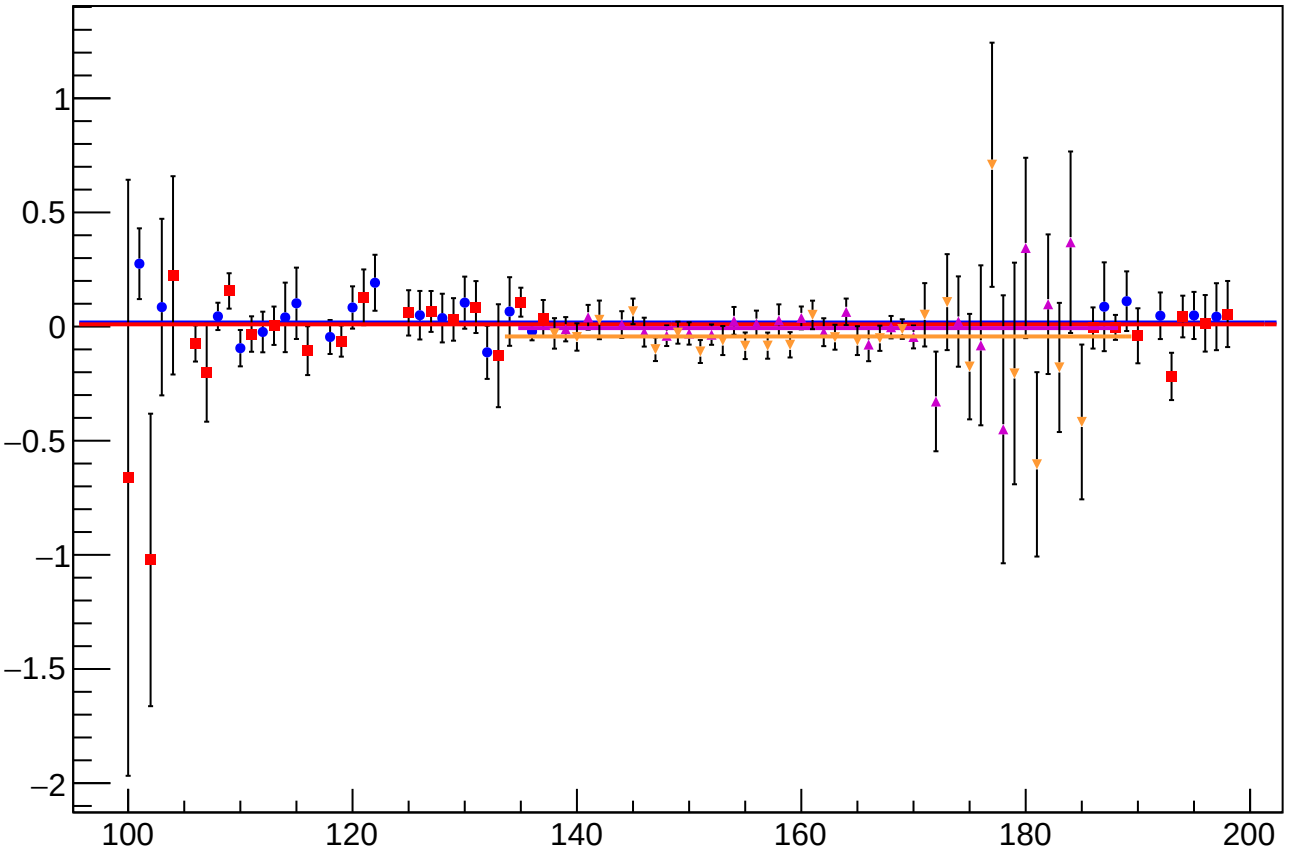
Right Out: 0.000+/-0.000 χ^2/NDF: 5005005.5/24

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8167575.4/44

All: 0.000+/-0.000 χ^2/NDF: 17034617.3/92

- sign 0.000+/-0.000 χ^2/NDF: 8745546.0/47



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

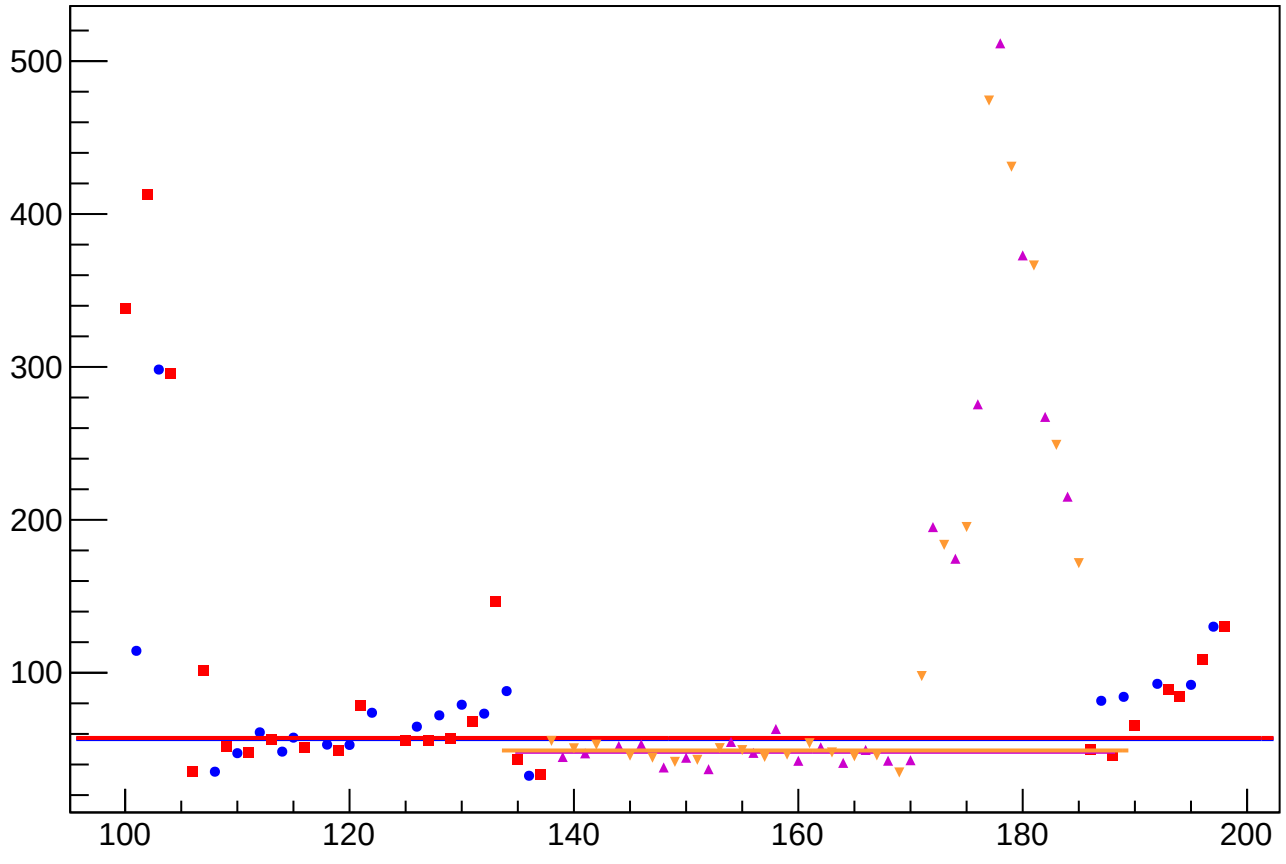
Right Out: 0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/44

All: -0.012+/-0.008 χ^2/NDF: 73.1/92

- sign -0.001+/-0.011 χ^2/NDF: 33.4/47



Right In: 56.622+/-0.014 χ^2/NDF: 3527565.3/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

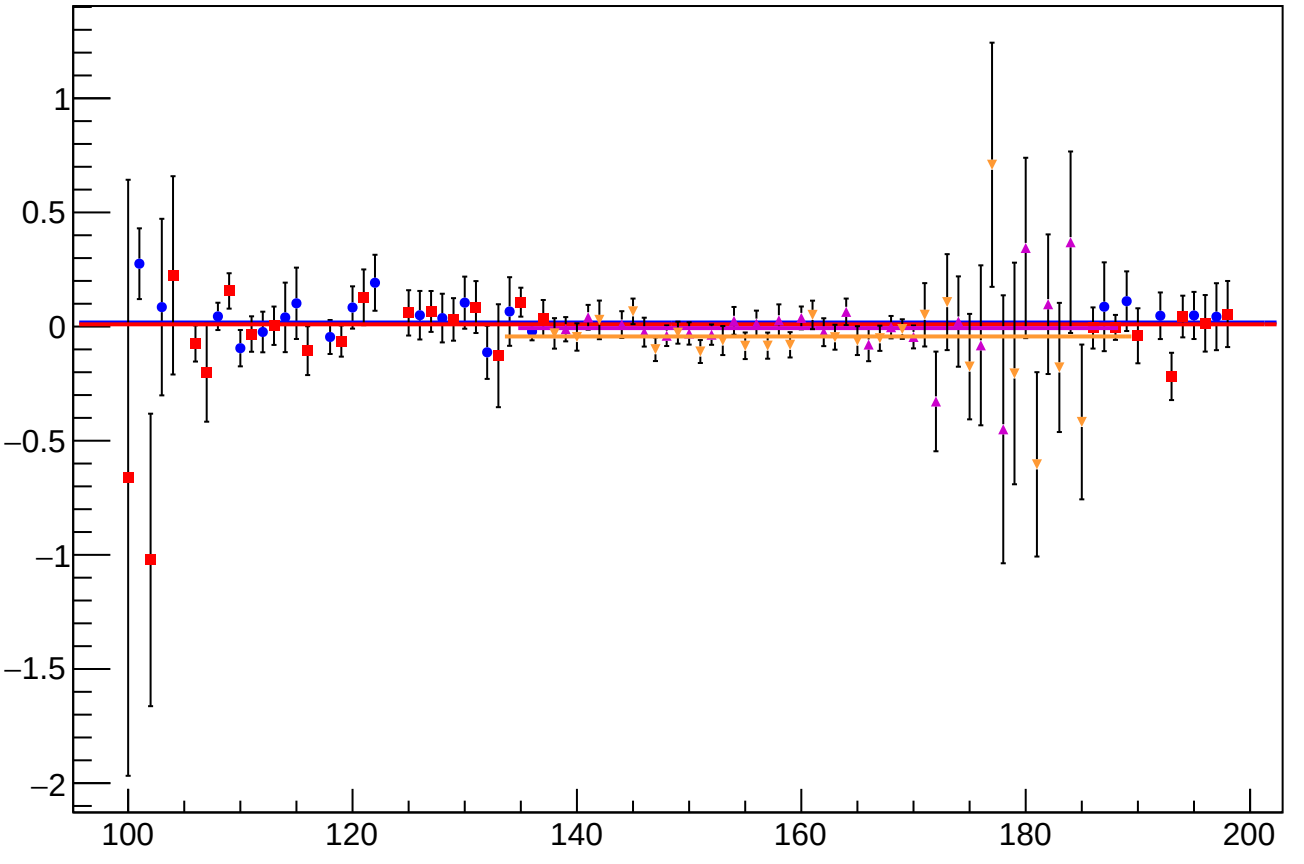
Right Out: 57.372+/-0.014 χ^2/NDF: 3620188.7/24

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 51.547+/-0.008 χ^2/NDF: 10959821.9/44

All: 51.430+/-0.006 χ^2/NDF: 21919981.1/92

- sign 51.322+/-0.008 χ^2/NDF: 10959760.2/47



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

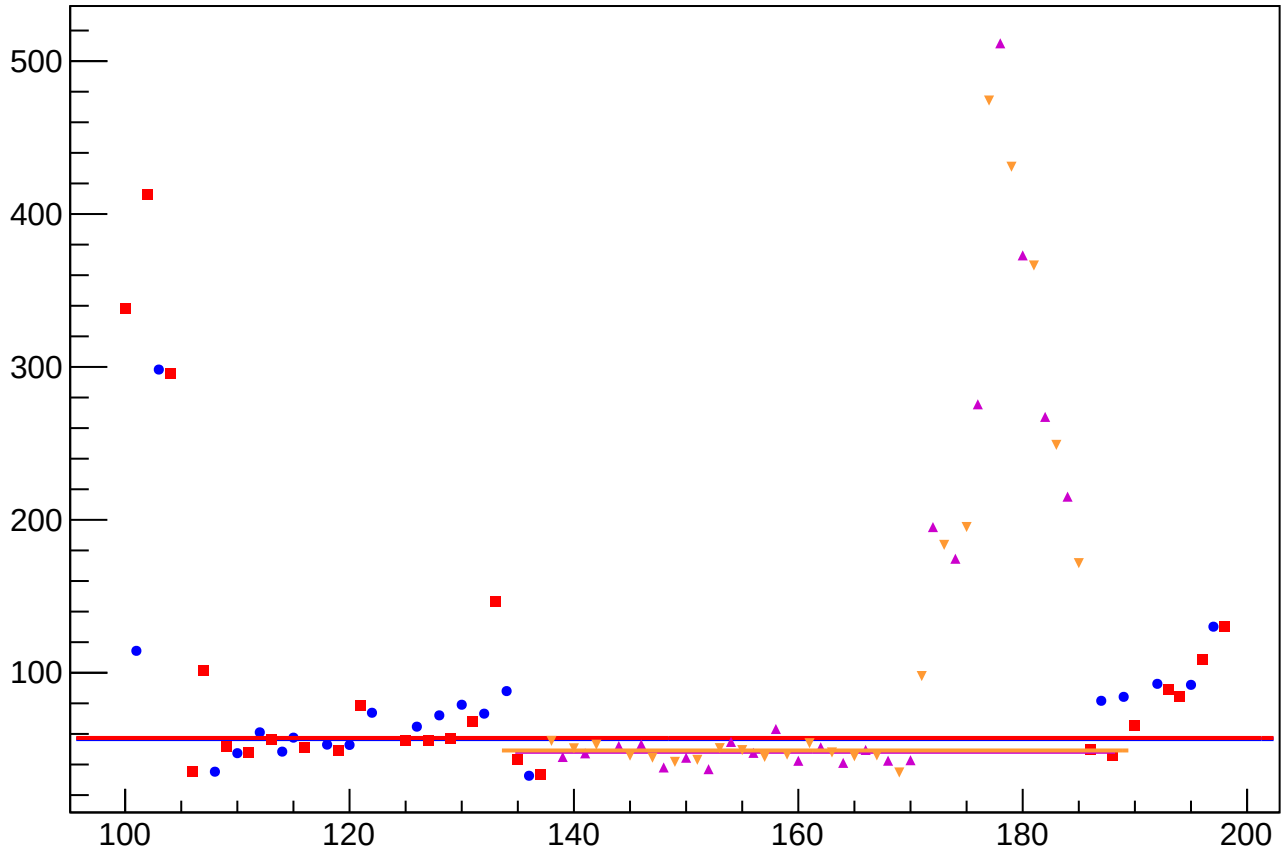
Right Out: 0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/44

All: -0.012+/-0.008 χ^2/NDF: 73.1/92

- sign -0.001+/-0.011 χ^2/NDF: 33.4/47



Right In: 56.622+/-0.014 χ^2/NDF: 3527565.3/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

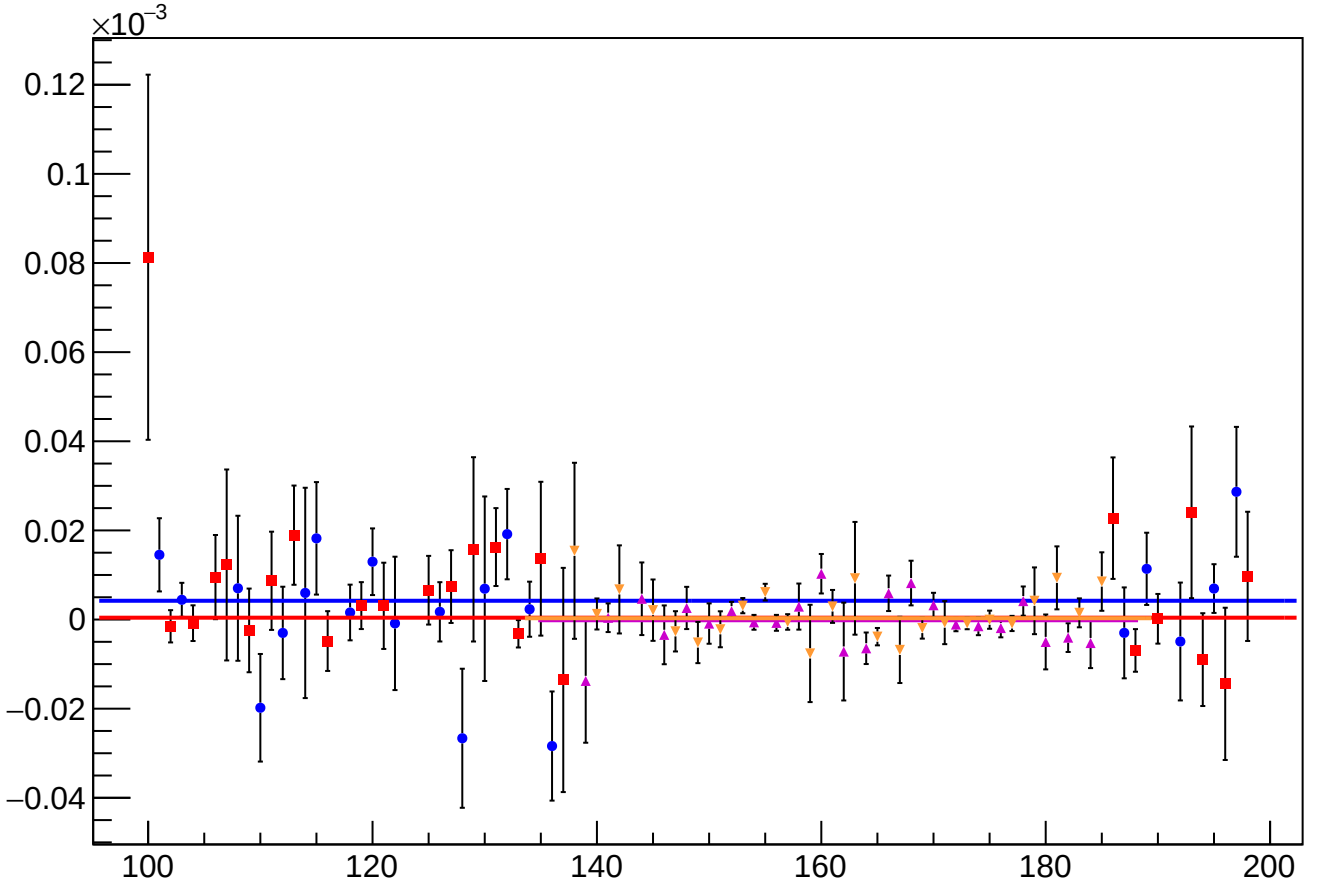
Right Out: 57.372+/-0.014 χ^2/NDF: 3620188.7/24

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 51.547+/-0.008 χ^2/NDF: 10959821.9/44

All: 51.430+/-0.006 χ^2/NDF: 21919981.1/92

- sign 51.322+/-0.008 χ^2/NDF: 10959760.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

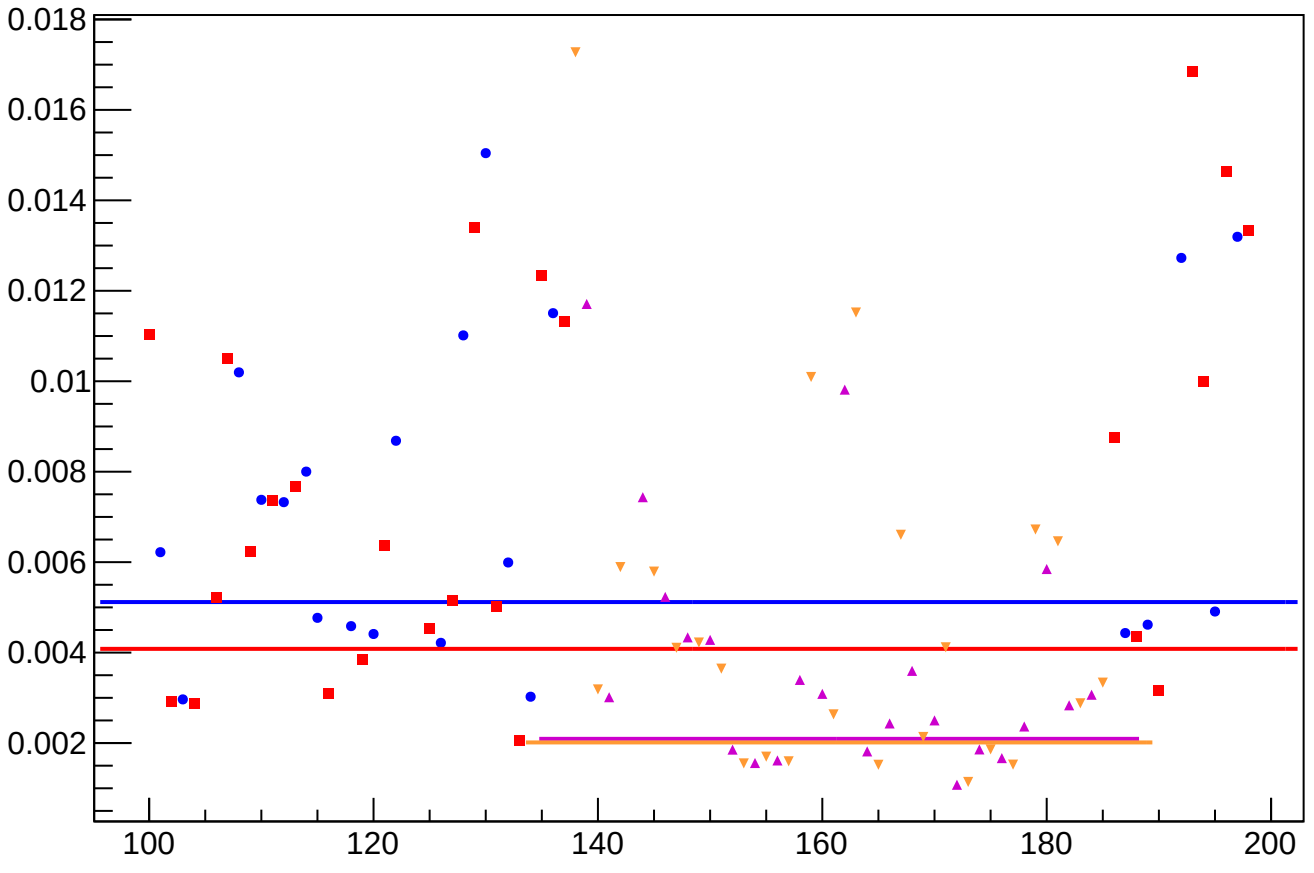
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/24

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.2/44

All: 0.000+/-0.000 χ^2/NDF: 112.4/92

- sign -0.000+/-0.000 χ^2/NDF: 51.3/47



Right In: 0.005+/-0.000 χ^2/NDF: 4073114.7/20

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

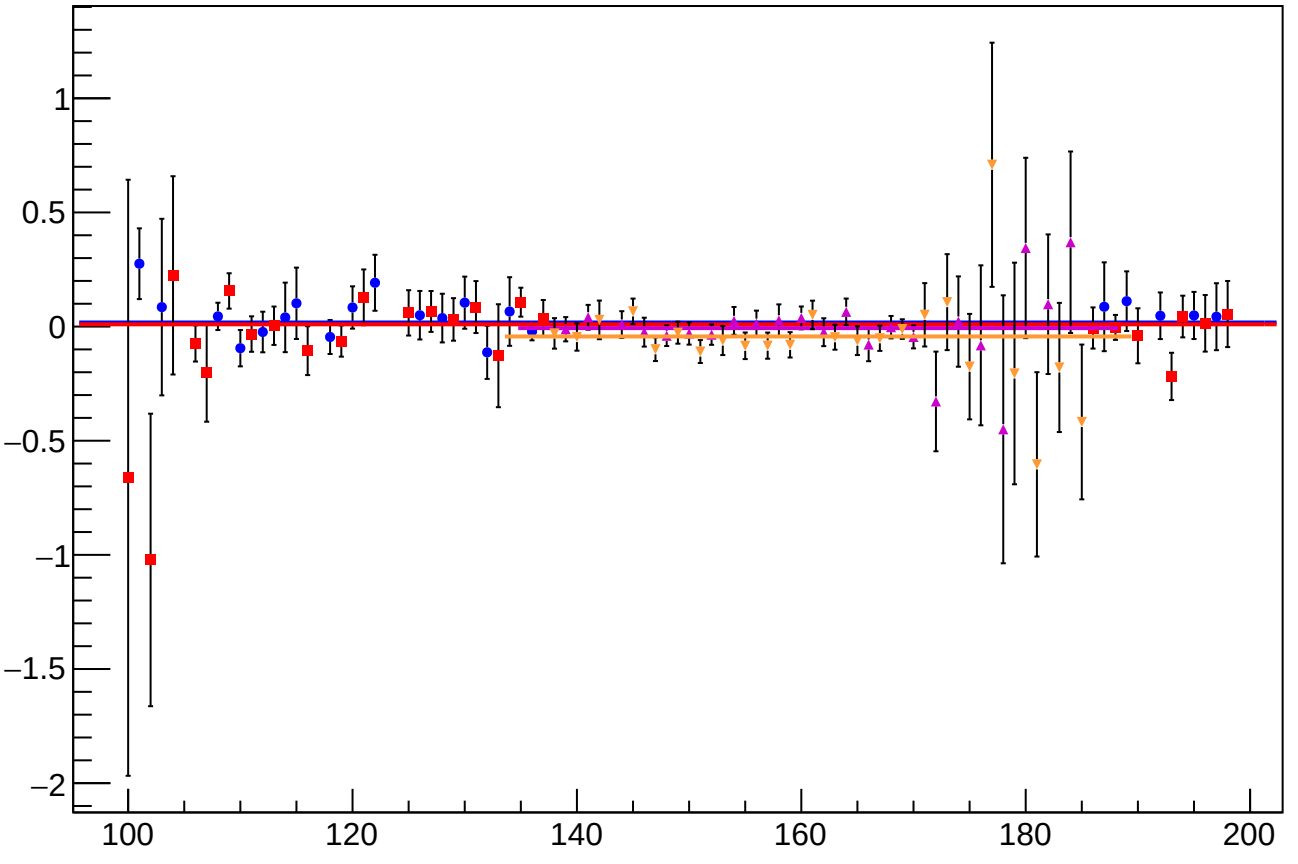
Right Out: 0.004+/-0.000 χ^2/NDF: 6655833.8/24

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 19607689.0/44

All: 0.002+/-0.000 χ^2/NDF: 36846842.1/92

- sign 0.002+/-0.000 χ^2/NDF: 17189804.5/47



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

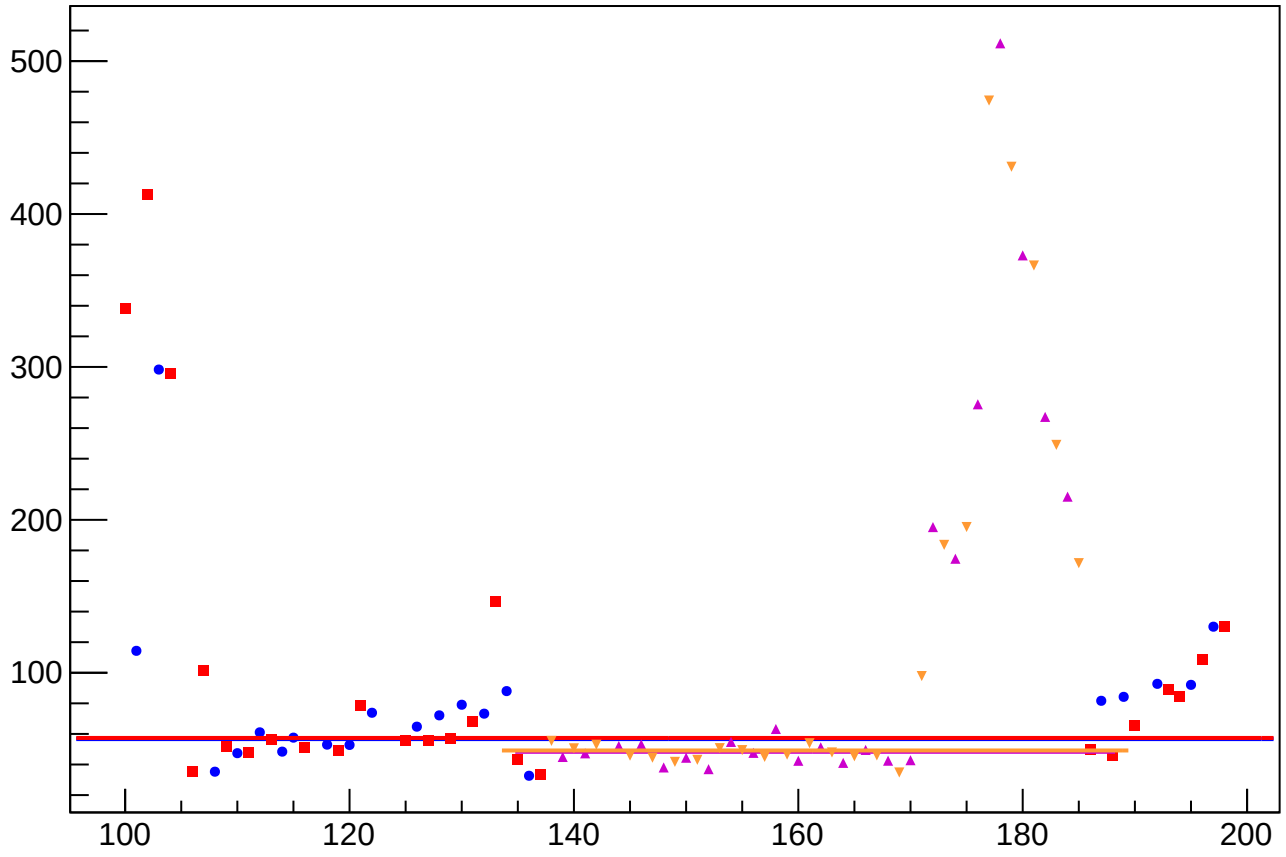
Right Out: 0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/44

All: -0.012+/-0.008 χ^2/NDF: 73.1/92

- sign -0.001+/-0.011 χ^2/NDF: 33.4/47



Right In: 56.622+/-0.014 χ^2/NDF: 3527361.0/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

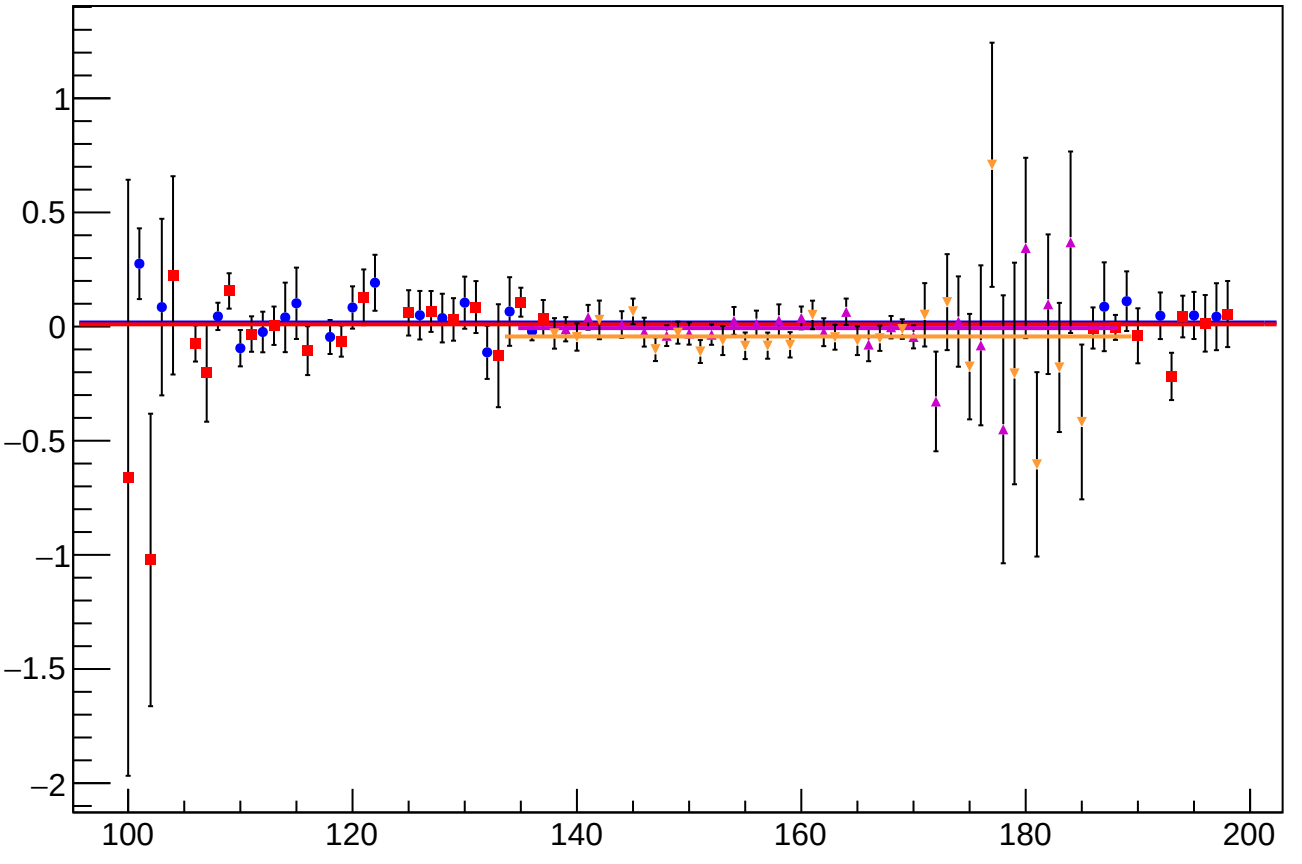
Right Out: 57.372+/-0.014 χ^2/NDF: 3620035.5/24

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 51.547+/-0.008 χ^2/NDF: 10959663.9/44

All: 51.430+/-0.006 χ^2/NDF: 21919613.5/92

- sign 51.322+/-0.008 χ^2/NDF: 10959552.4/47



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

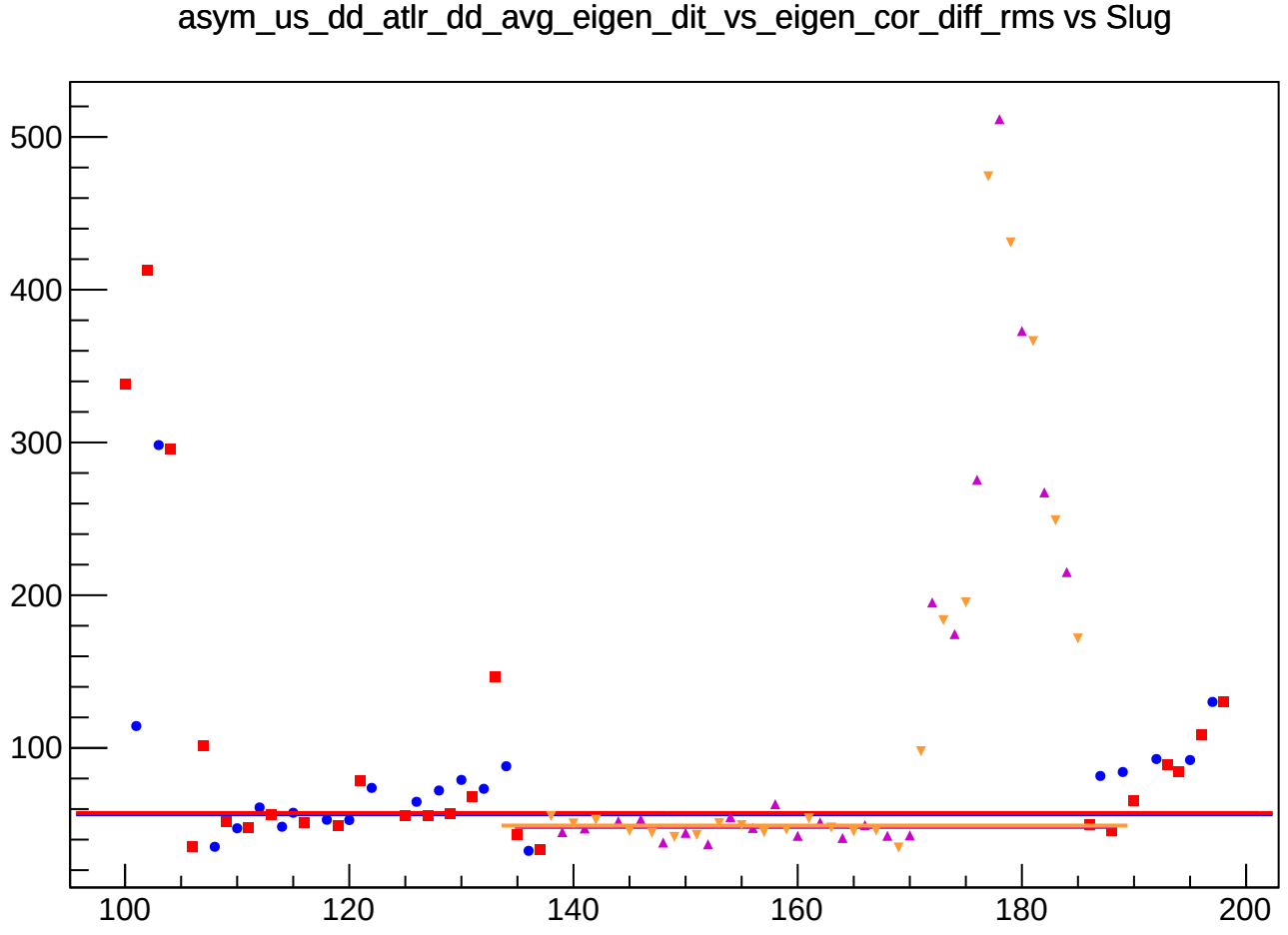
Right Out: 0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/44

All: -0.012+/-0.008 χ^2/NDF: 73.1/92

- sign -0.001+/-0.011 χ^2/NDF: 33.4/47



Right In: 56.622+/-0.014 χ^2/NDF: 3527361.0/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

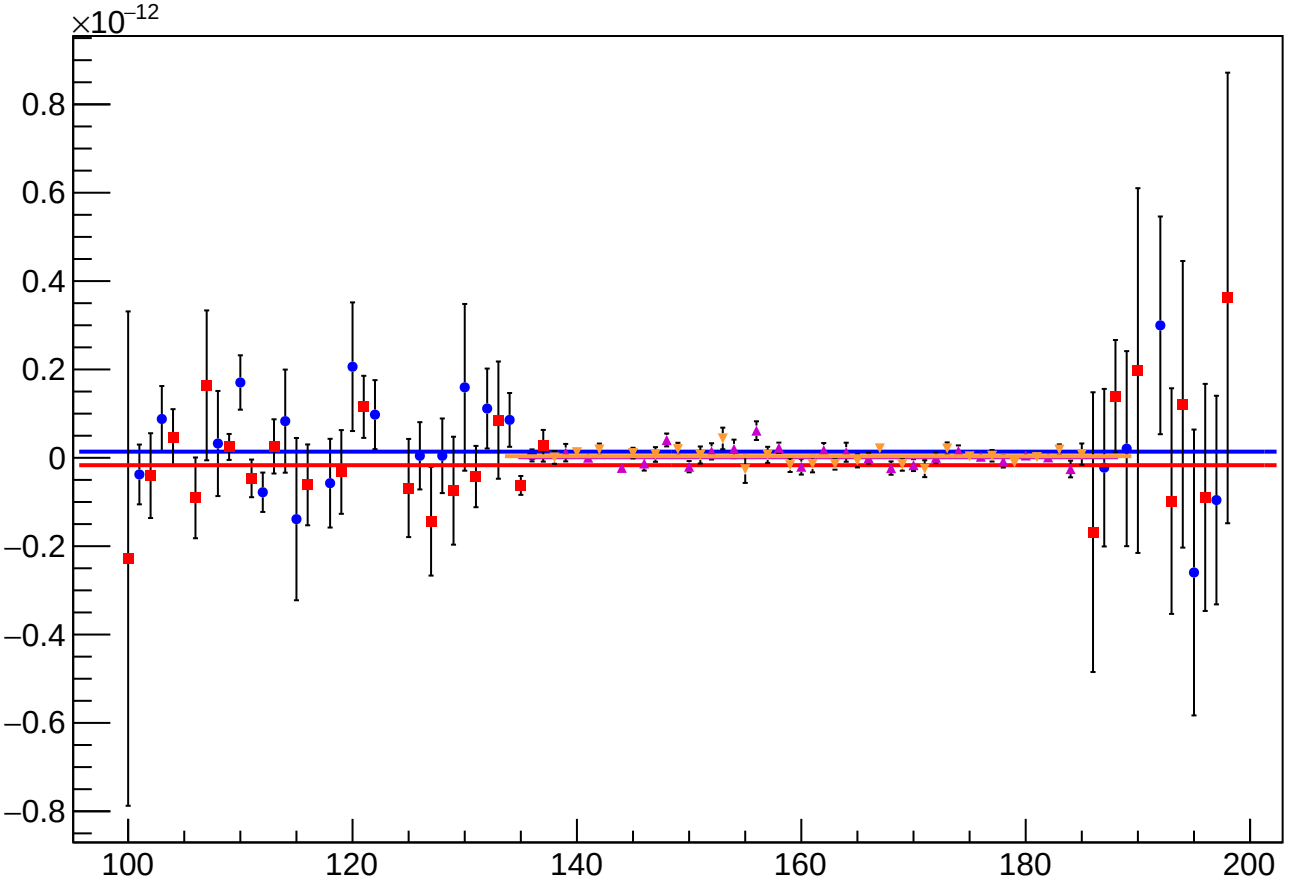
Right Out: 57.372+/-0.014 χ^2/NDF: 3620035.5/24

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 51.547+/-0.008 χ^2/NDF: 10959663.9/44

All: 51.430+/-0.006 χ^2/NDF: 21919613.5/92

- sign 51.322+/-0.008 χ^2/NDF: 10959552.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

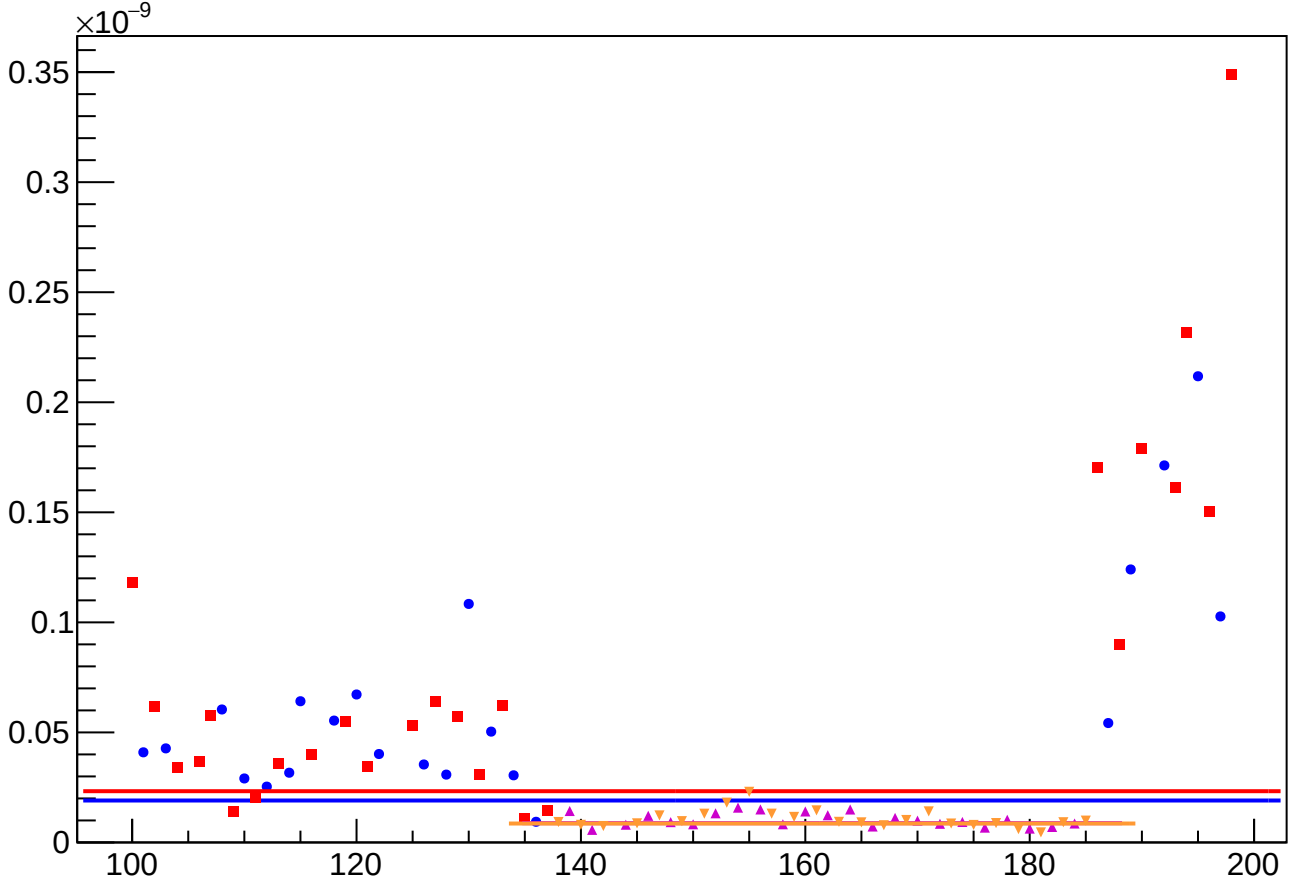
Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/24

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.0/44

All: 0.000+/-0.000 χ^2/NDF: 112.1/92

- sign 0.000+/-0.000 χ^2/NDF: 63.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 5674792.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6666047.8/24

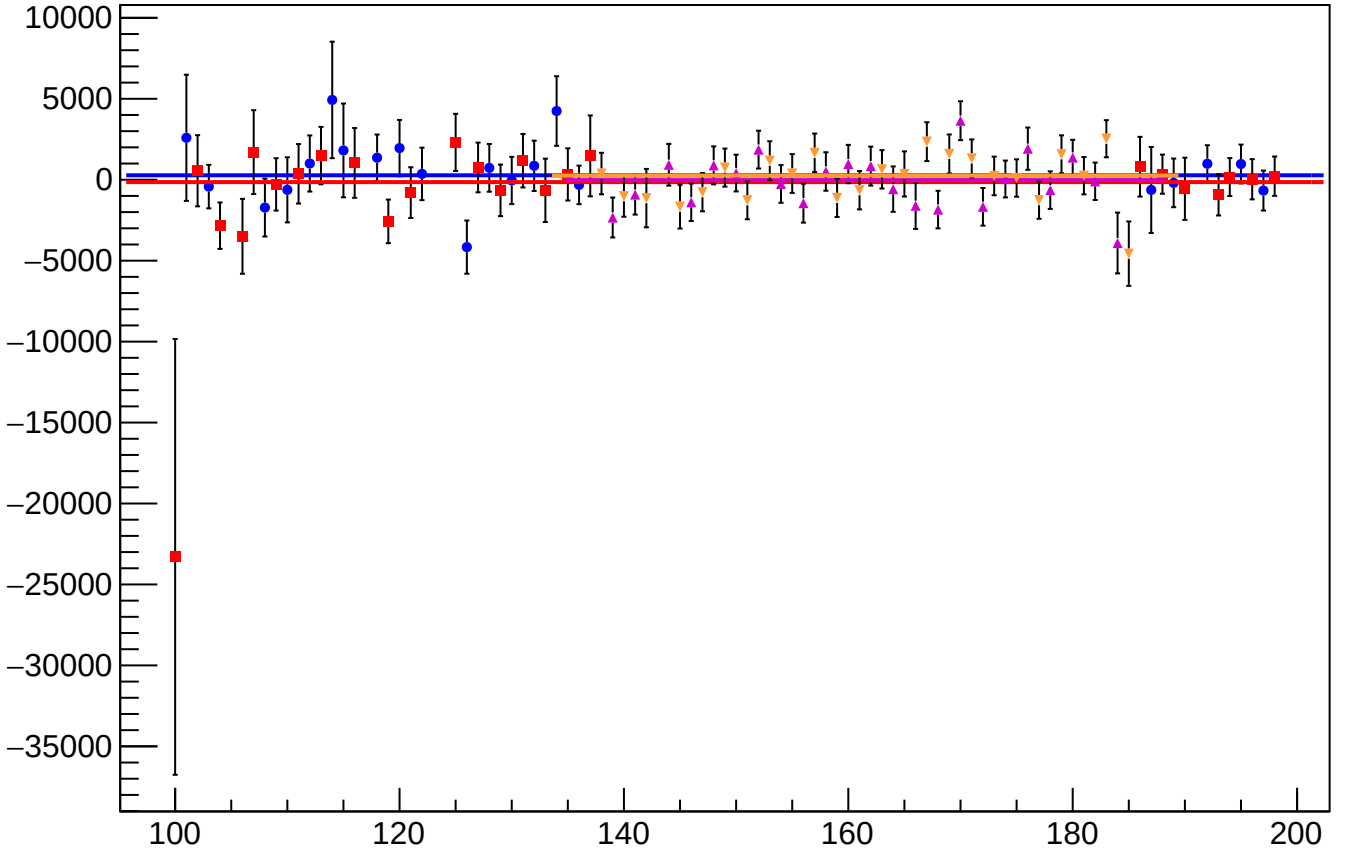
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9810391.6/44

All: 0.000+/-0.000 χ^2/NDF: 21055863.7/92

- sign 0.000+/-0.000 χ^2/NDF: 11235466.2/47

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 273.796+/-348.306 χ^2/NDF: 18.5/20

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -145.702+/-325.589 χ^2/NDF: 18.5/24

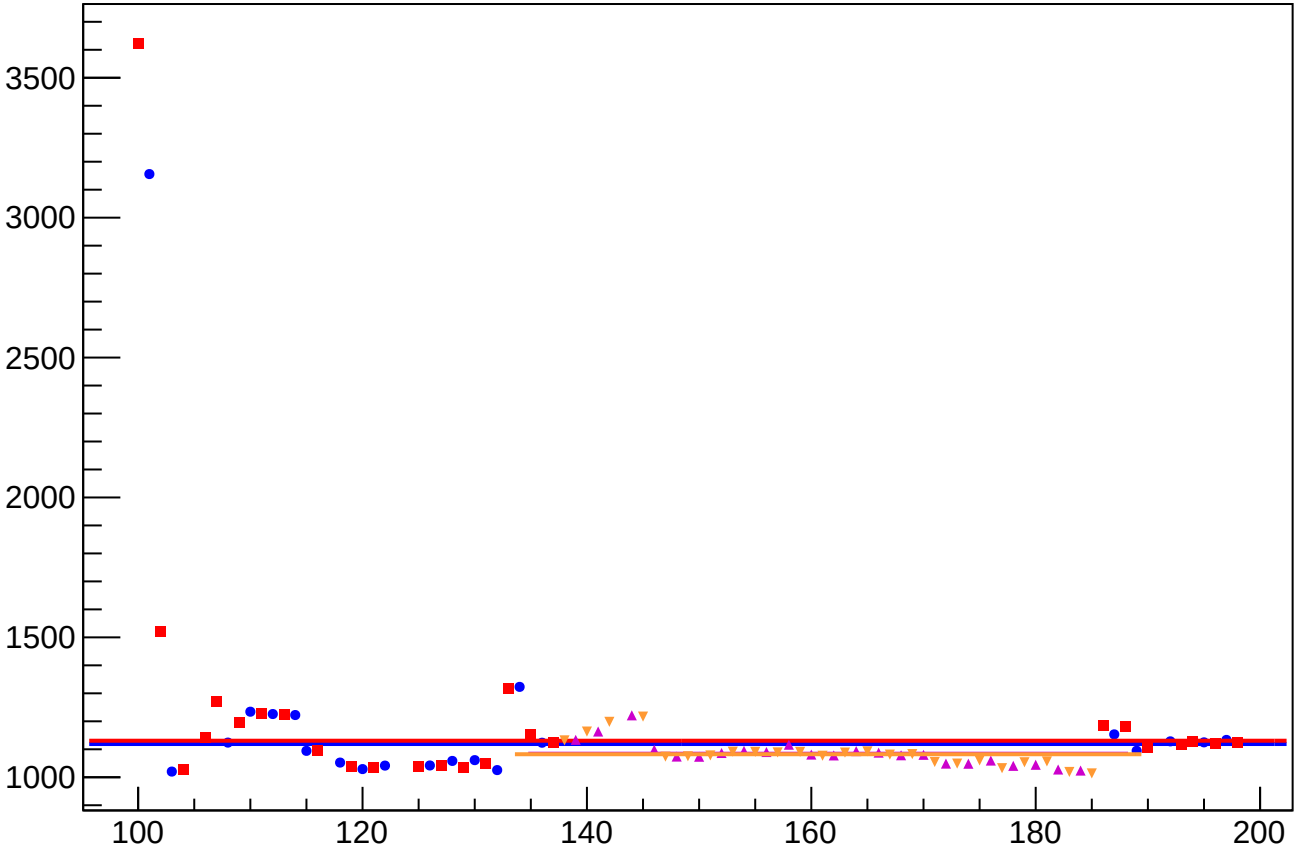
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 265.153+/-203.848 χ^2/NDF: 46.7/44

All: 94.905+/-142.740 χ^2/NDF: 102.4/92

- sign -68.877+/-199.939 χ^2/NDF: 54.4/47

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.823+/-0.246 χ^2/NDF: 624793.8/20

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

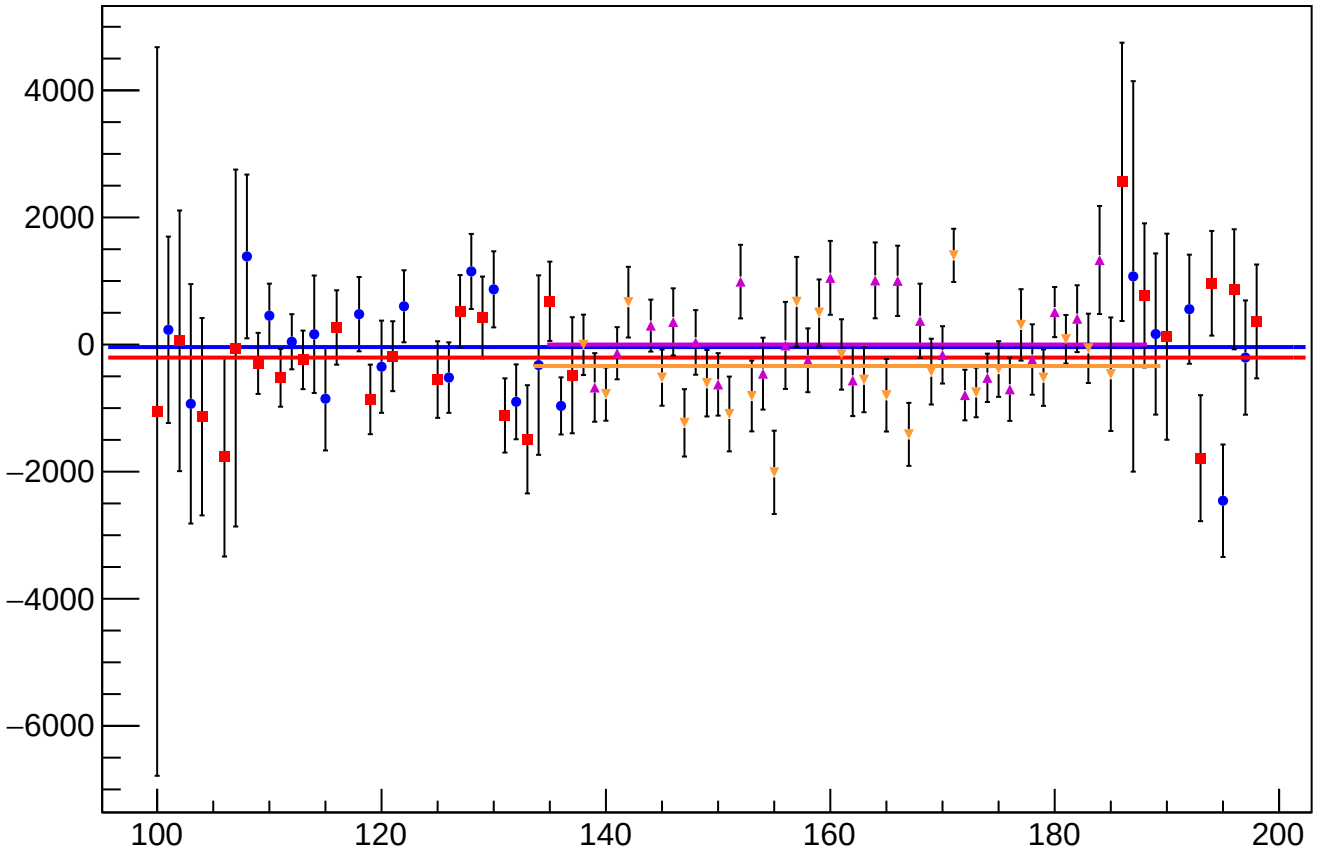
Right Out: 1130.615+/-0.230 χ^2/NDF: 228517.1/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1094.815+/-0.144 χ^2/NDF: 697119.2/44

All: 1098.315+/-0.101 χ^2/NDF: 1005586.8/92

- sign 1101.682+/-0.141 χ^2/NDF: 307310.8/47



Right In: -39.748+/-152.381 χ^2/NDF: 27.5/20

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

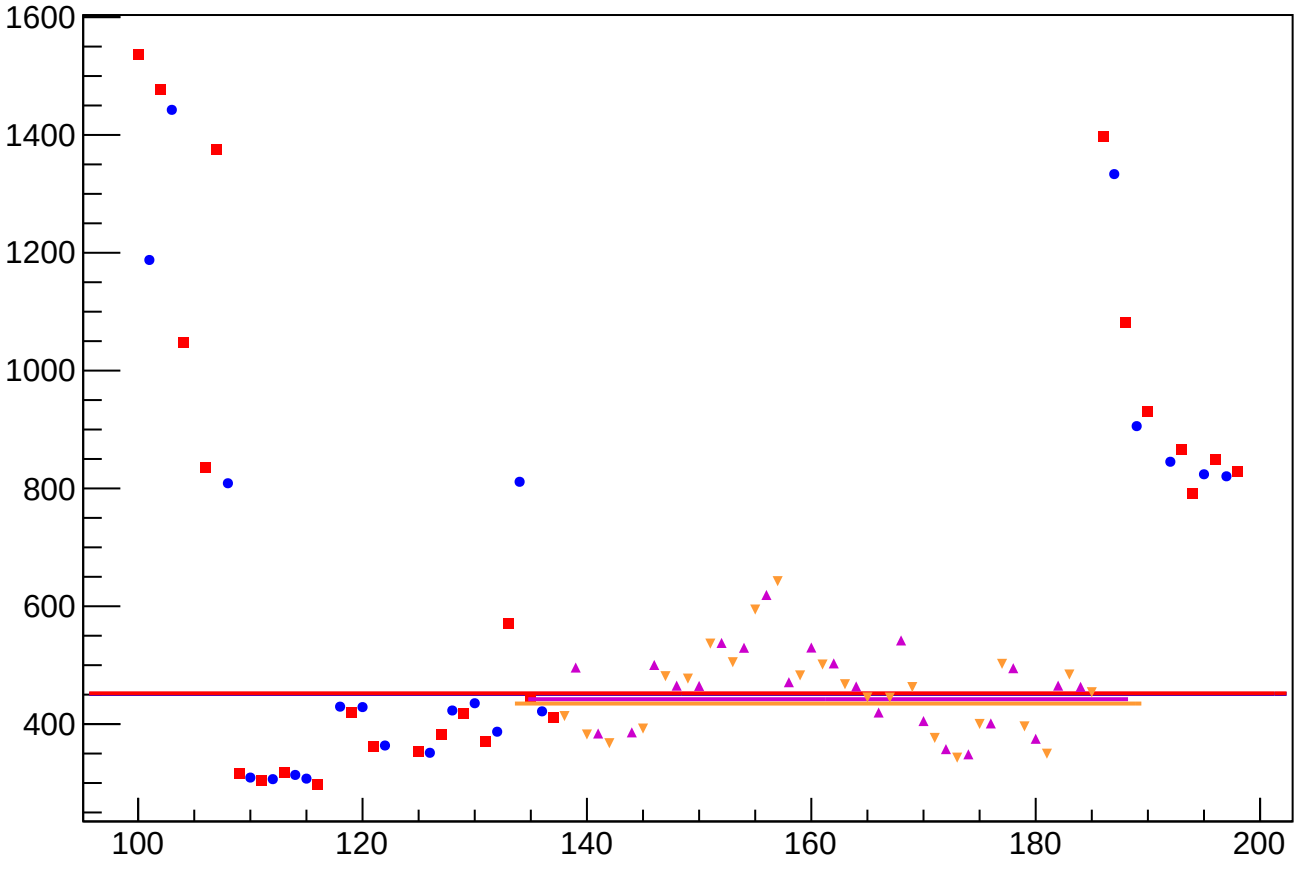
Right Out: -204.859+/-145.527 χ^2/NDF: 22.4/24

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -244.775+/-85.107 χ^2/NDF: 78.9/44

All: -157.055+/-60.144 χ^2/NDF: 136.6/92

- sign -69.540+/-85.007 χ^2/NDF: 55.6/47



Right In: 451.161+/-0.108 χ^2/NDF: 3522439.1/20

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 452.153+/-0.103 χ^2/NDF: 4676378.3/24

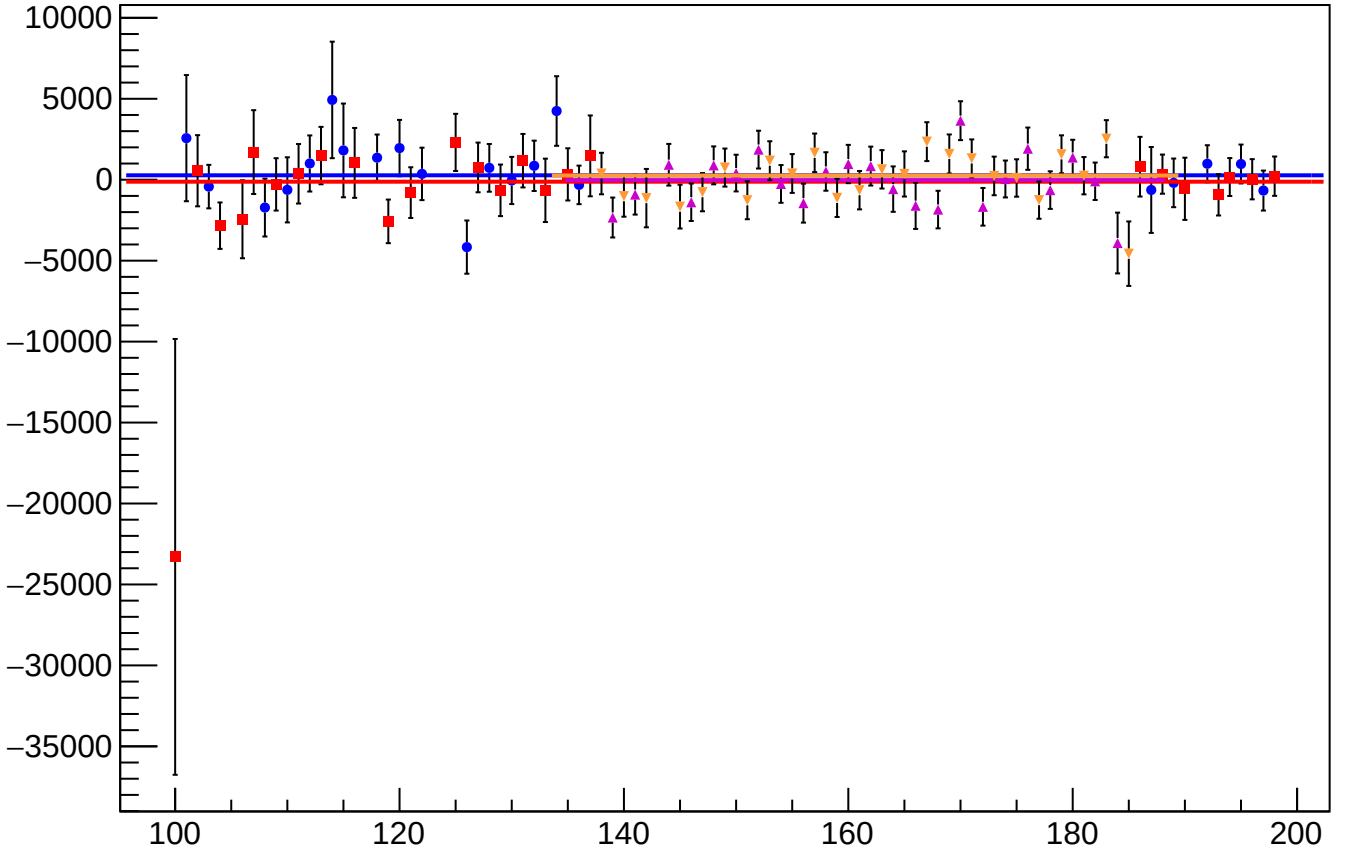
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 439.944+/-0.060 χ^2/NDF: 4416606.0/44

All: 442.776+/-0.043 χ^2/NDF: 9929534.5/92

- sign 445.602+/-0.060 χ^2/NDF: 5508503.4/47

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 273.604+/-348.306 χ^2/NDF: 18.5/20

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -121.319+/-325.838 χ^2/NDF: 17.3/24

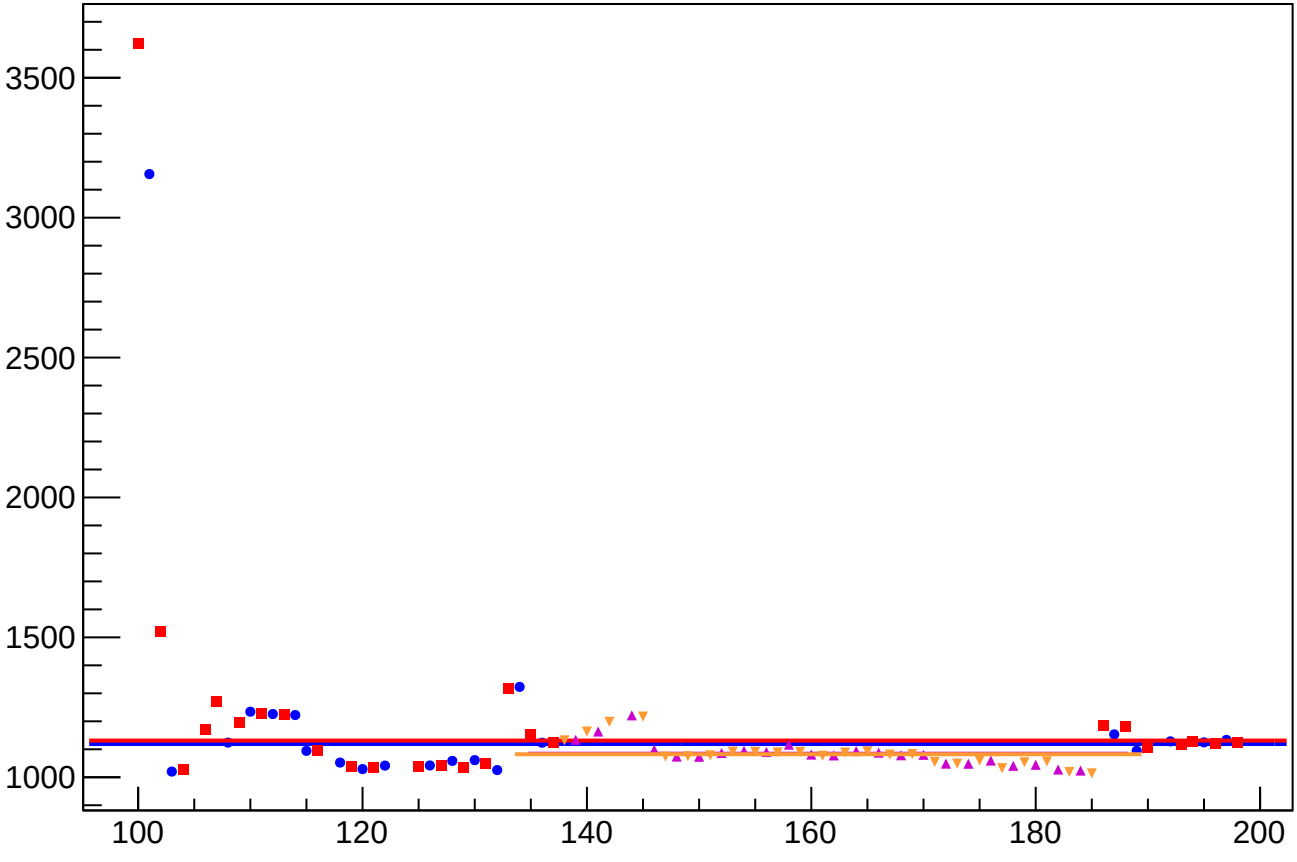
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 265.080+/-203.848 χ^2/NDF: 46.7/44

All: 99.622+/-142.761 χ^2/NDF: 101.1/92

- sign -59.644+/-199.997 χ^2/NDF: 53.1/47

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.823+/-0.246 χ^2/NDF: 624794.8/20

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

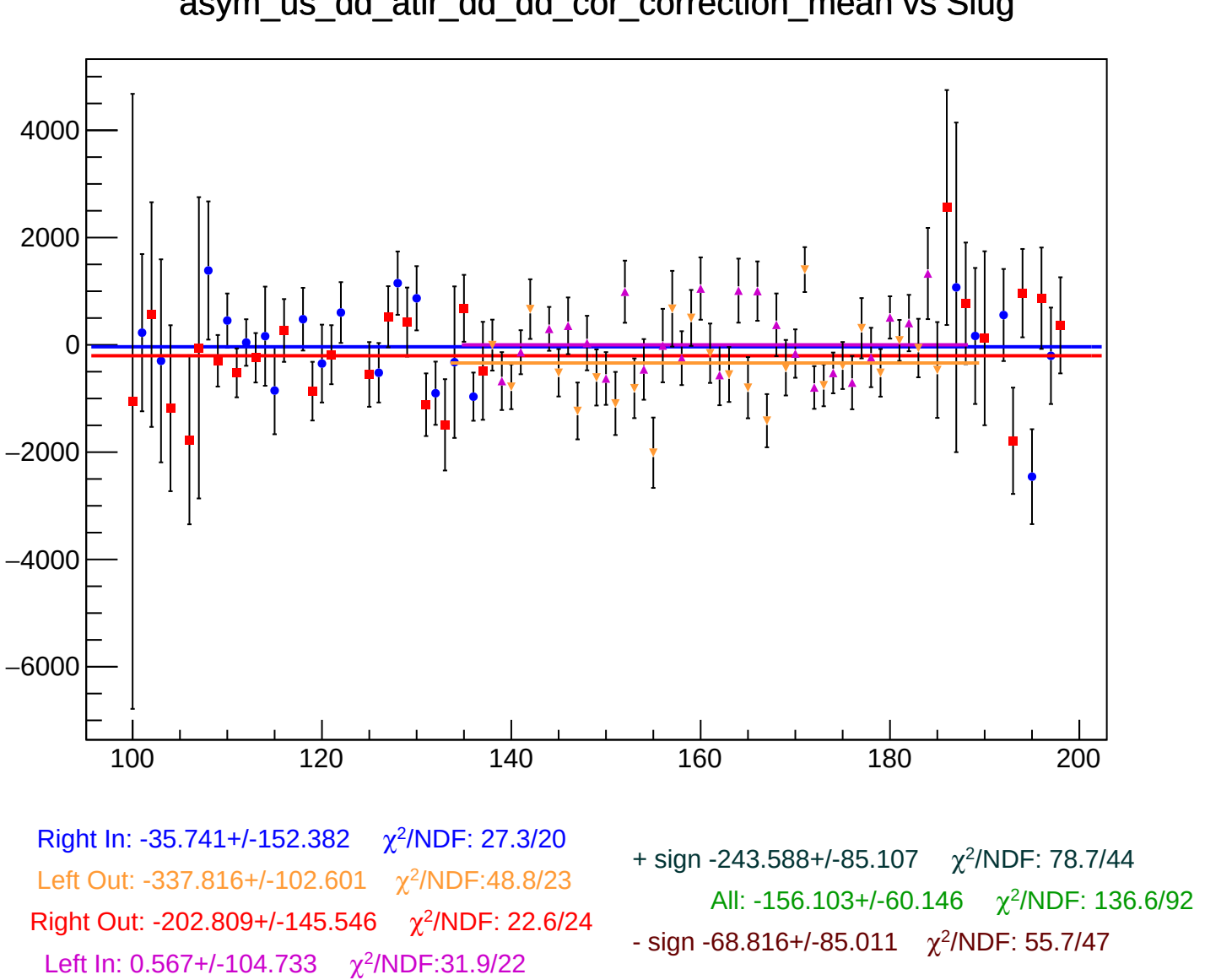
Right Out: 1131.174+/-0.230 χ^2/NDF: 229059.0/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1094.815+/-0.144 χ^2/NDF: 697120.1/44

All: 1098.413+/-0.101 χ^2/NDF: 1006784.5/92

- sign 1101.876+/-0.141 χ^2/NDF: 308441.7/47


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug
4000
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−6000
100
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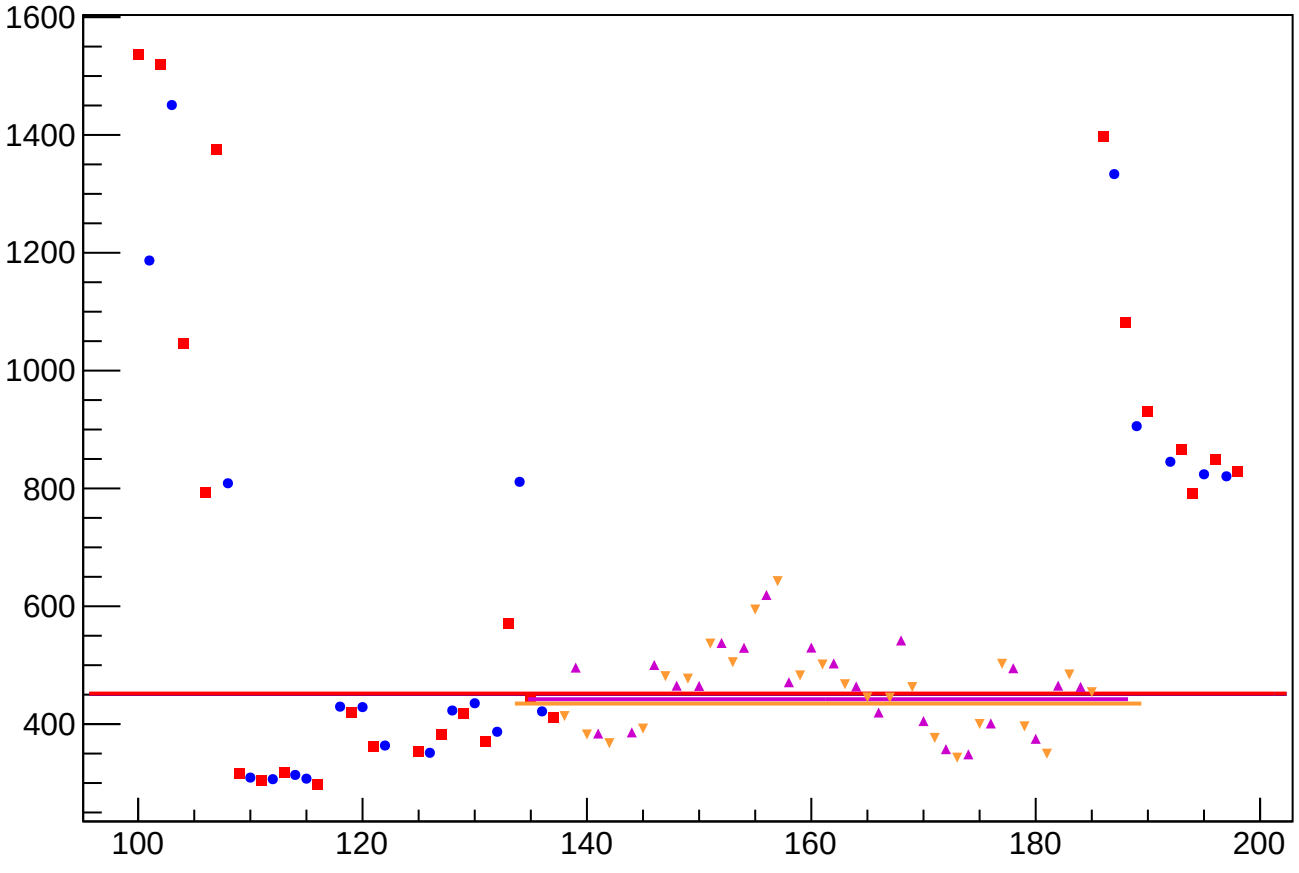
140
160
180
200
Right In: -35.741+/-152.382 χ²/NDF: 27.3/20
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: -202.809+/-145.546 χ²/NDF: 22.6/24
Left In: 0.567+/-104.733 χ²/NDF:31.9/22
+ sign -243.588+/-85.107 χ²/NDF: 78.7/44
All: -156.103+/-60.146 χ²/NDF: 136.6/92
- sign -68.816+/-85.011 χ²/NDF: 55.7/47

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 451.151+/-0.108 χ^2/NDF: 3526202.3/20

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 451.767+/-0.103 χ^2/NDF: 4669367.8/24

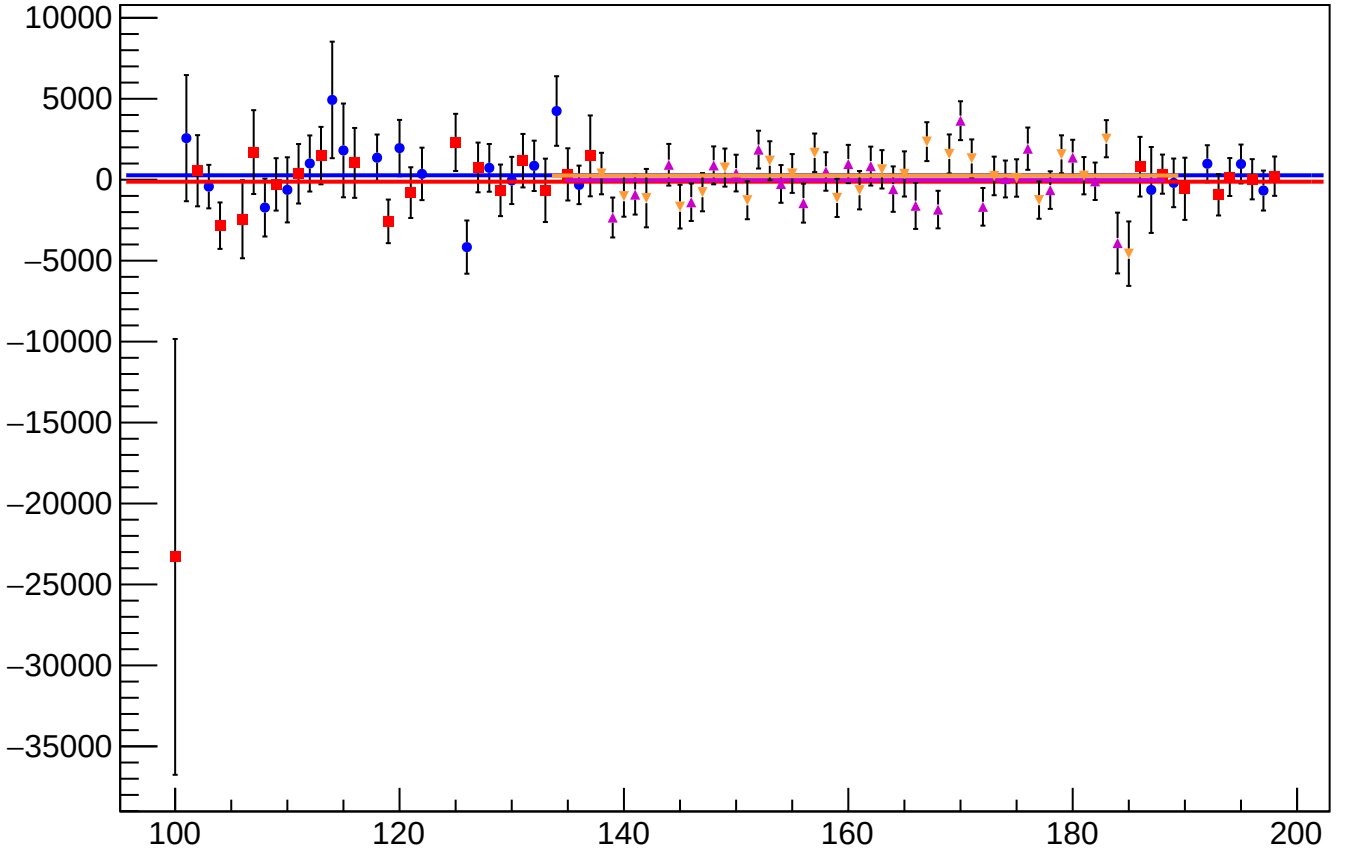
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 439.939+/-0.060 χ^2/NDF: 4420445.6/44

All: 442.708+/-0.043 χ^2/NDF: 9925569.2/92

- sign 445.470+/-0.060 χ^2/NDF: 5500894.5/47

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 273.604+/-348.306 χ^2/NDF: 18.5/20

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -121.319+/-325.838 χ^2/NDF: 17.3/24

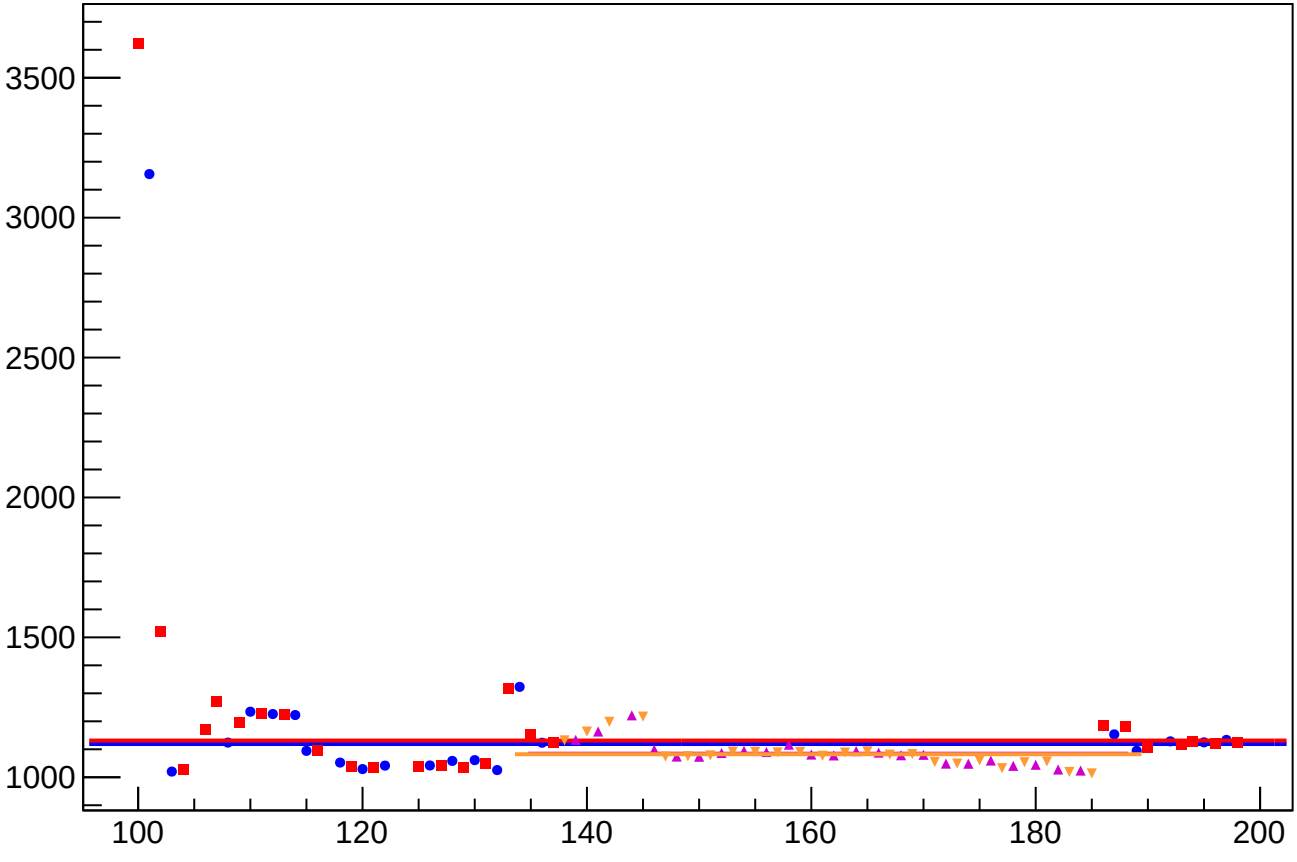
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 265.080+/-203.848 χ^2/NDF: 46.7/44

All: 99.622+/-142.761 χ^2/NDF: 101.1/92

- sign -59.644+/-199.997 χ^2/NDF: 53.1/47

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.823+/-0.246 χ^2/NDF: 624794.8/20

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

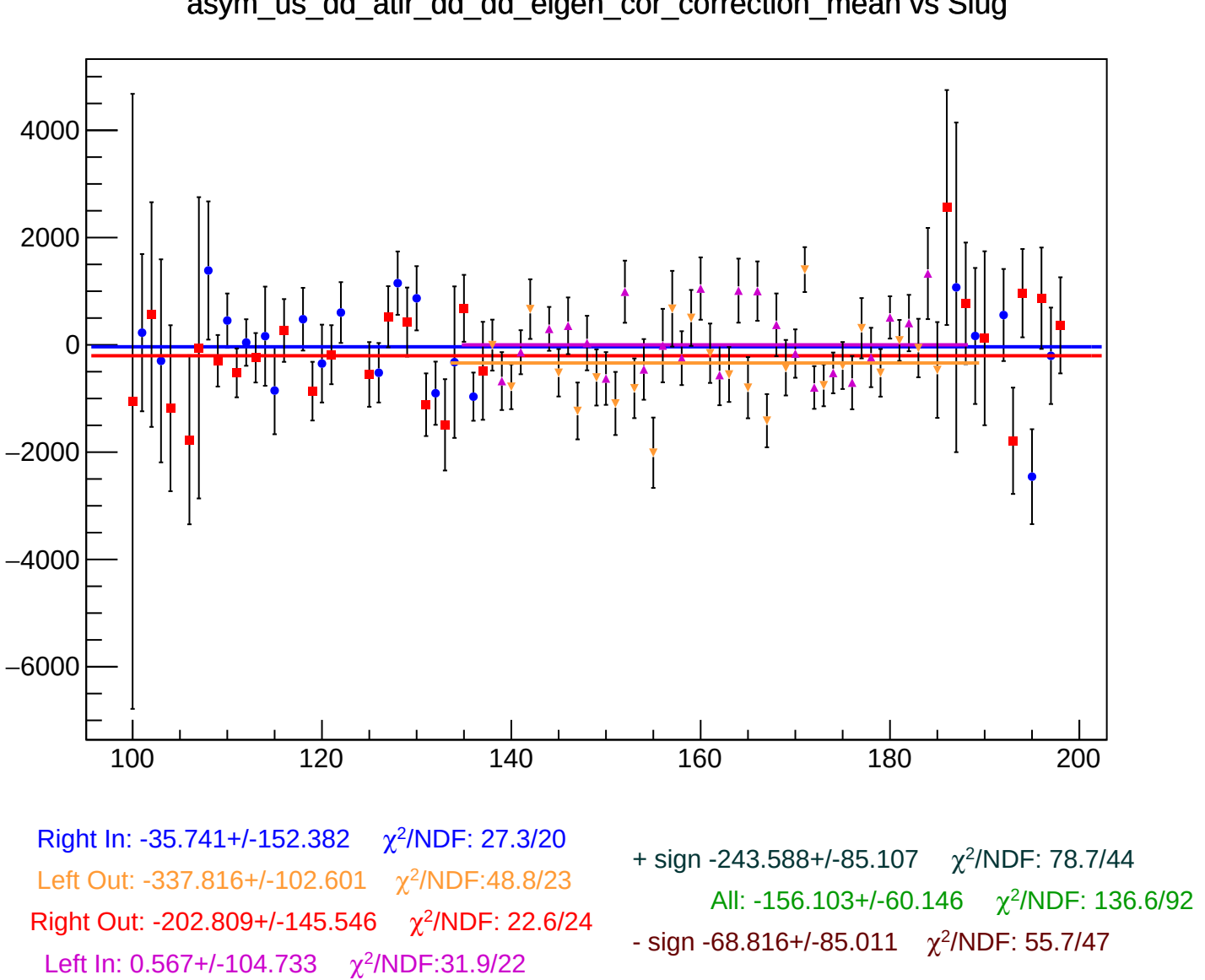
Right Out: 1131.174+/-0.230 χ^2/NDF: 229059.0/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1094.815+/-0.144 χ^2/NDF: 697120.1/44

All: 1098.413+/-0.101 χ^2/NDF: 1006784.5/92

- sign 1101.876+/-0.141 χ^2/NDF: 308441.7/47


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug
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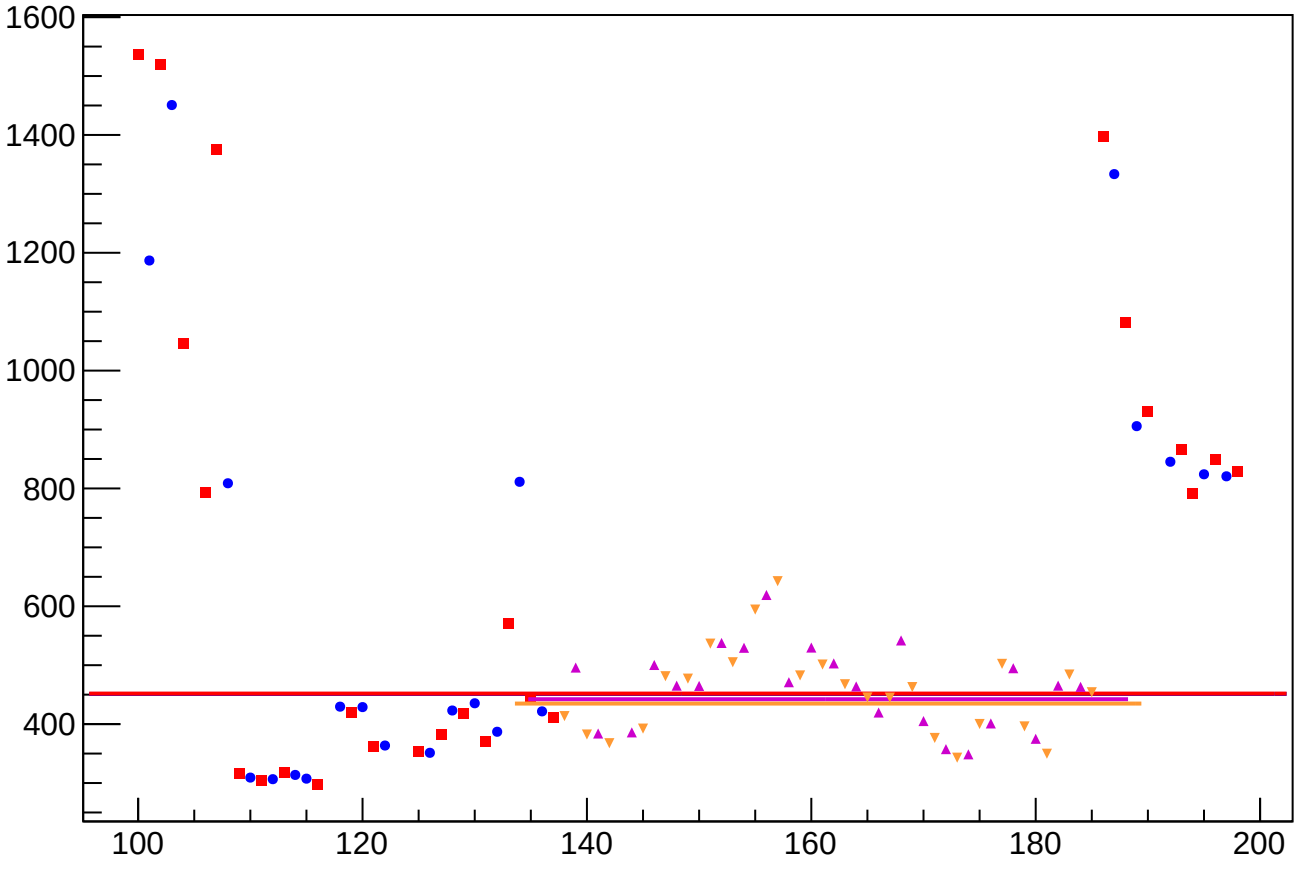
Right In: -35.741+/-152.382 χ²/NDF: 27.3/20
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: -202.809+/-145.546 χ²/NDF: 22.6/24
Left In: 0.567+/-104.733 χ²/NDF:31.9/22
+ sign -243.588+/-85.107 χ²/NDF: 78.7/44
All: -156.103+/-60.146 χ²/NDF: 136.6/92
- sign -68.816+/-85.011 χ²/NDF: 55.7/47



Right In: 451.151+/-0.108 χ^2/NDF: 3526202.3/20

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 451.767+/-0.103 χ^2/NDF: 4669367.8/24

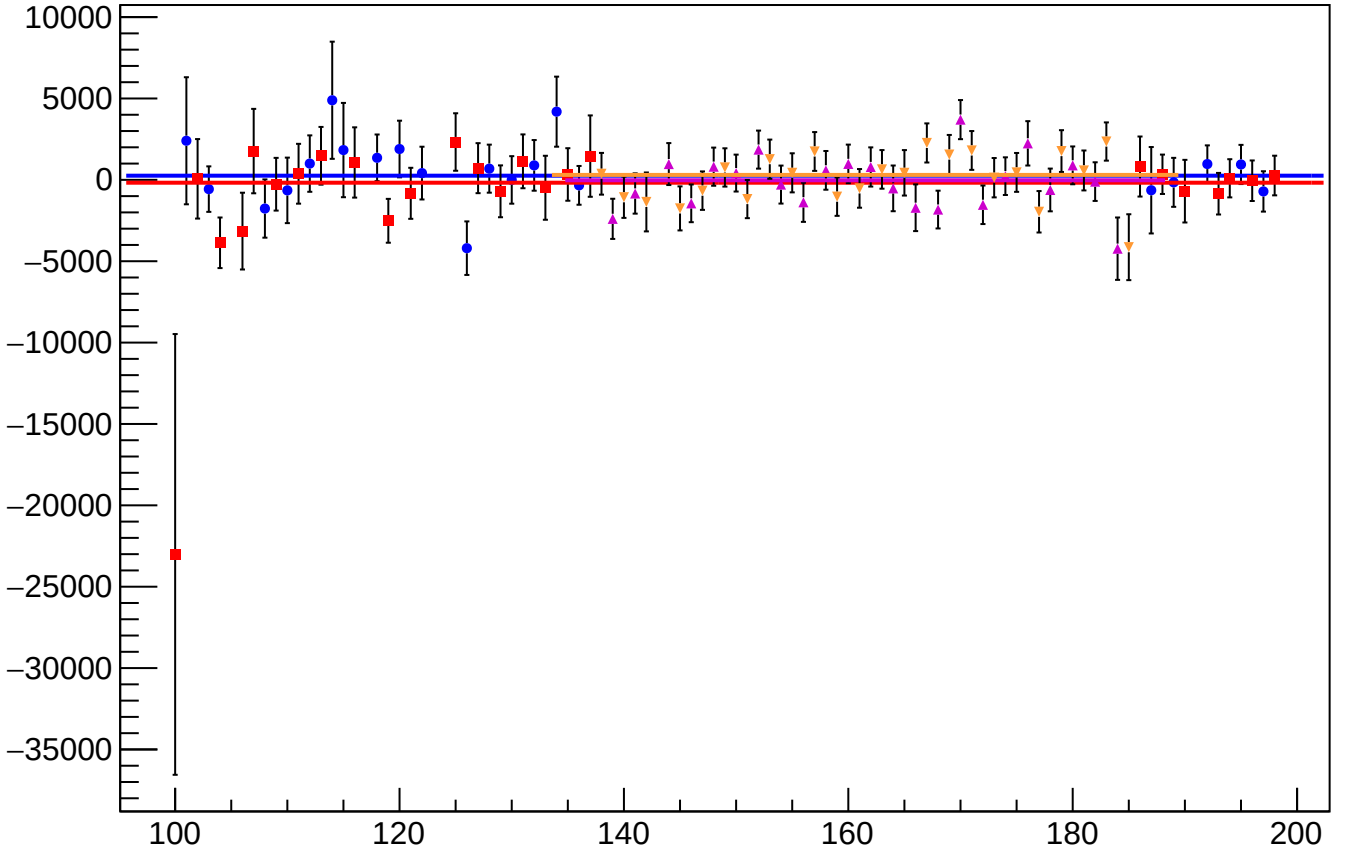
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 439.939+/-0.060 χ^2/NDF: 4420445.6/44

All: 442.708+/-0.043 χ^2/NDF: 9925569.2/92

- sign 445.470+/-0.060 χ^2/NDF: 5500894.5/47

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 256.073+/-349.647 χ^2/NDF: 18.5/20

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -175.620+/-328.006 χ^2/NDF: 19.8/24

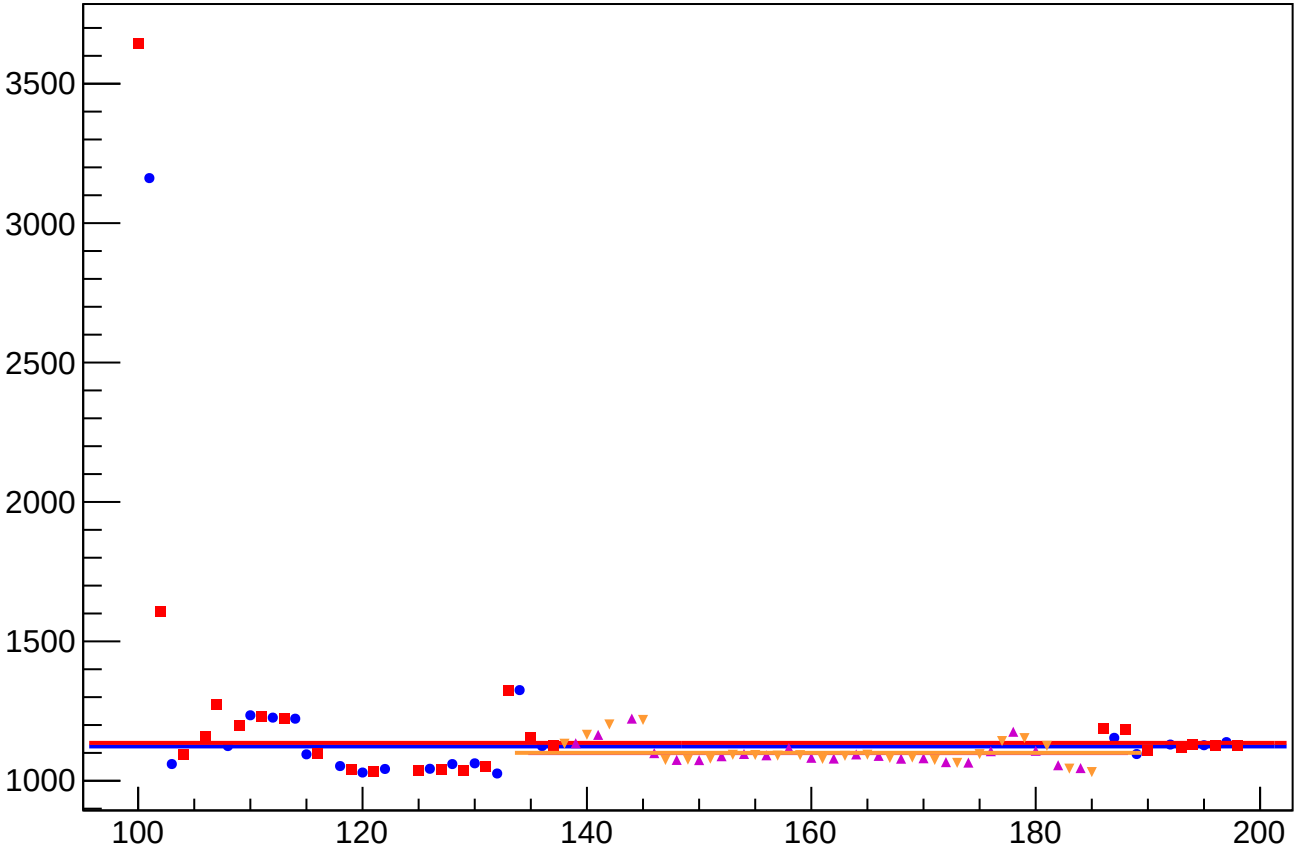
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 286.923+/-206.321 χ^2/NDF: 47.0/44

All: 98.539+/-144.424 χ^2/NDF: 104.4/92

- sign -82.454+/-202.234 χ^2/NDF: 55.8/47

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1123.210+/-0.247 χ^2/NDF: 618404.5/20

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

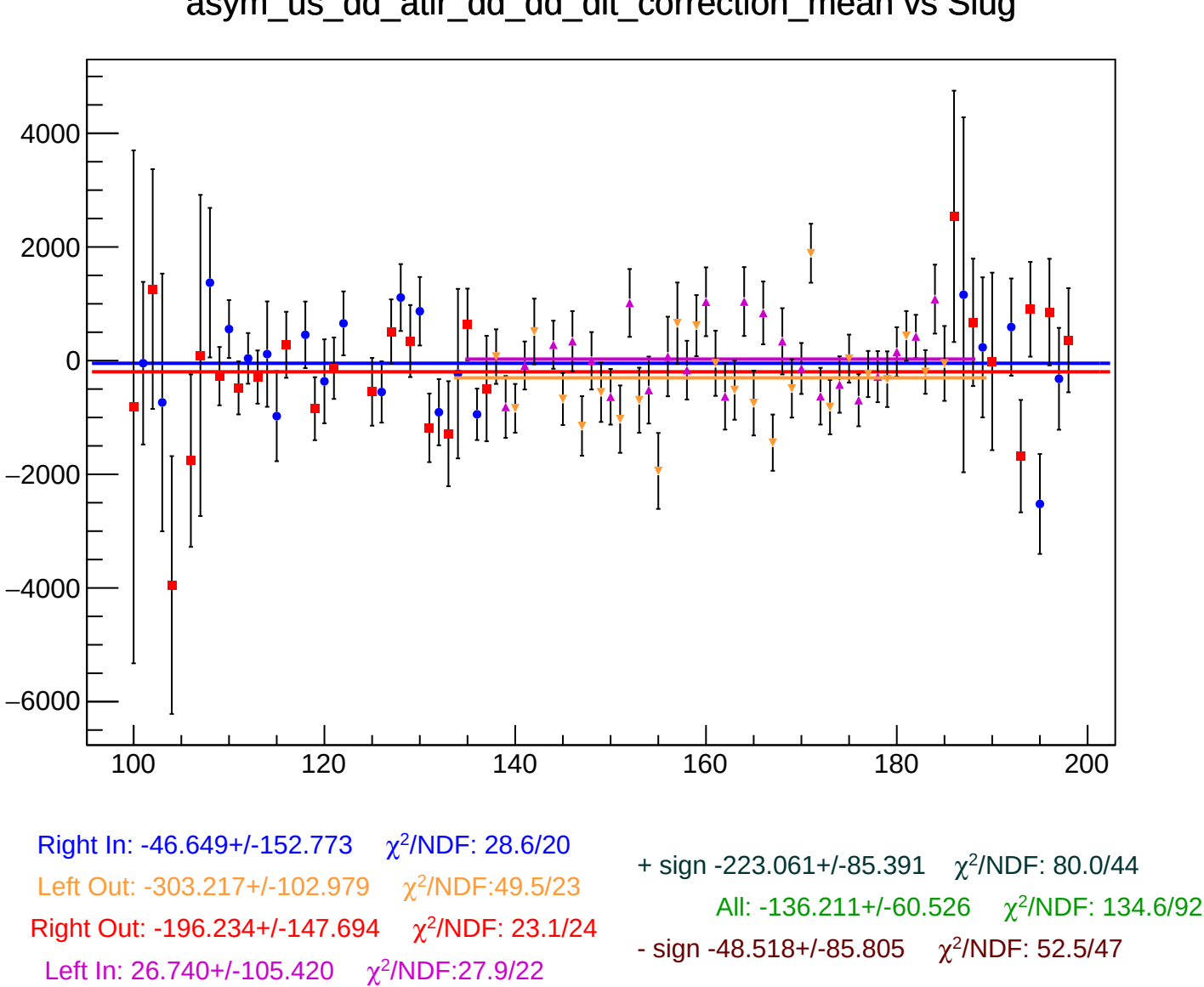
Right Out: 1135.976+/-0.232 χ^2/NDF: 233184.9/24

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

\+ sign 1108.250+/-0.146 χ^2/NDF: 672795.6/44

All: 1110.809+/-0.102 χ^2/NDF: 966833.7/92

\- sign 1113.268+/-0.143 χ^2/NDF: 293434.6/47


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug
4000
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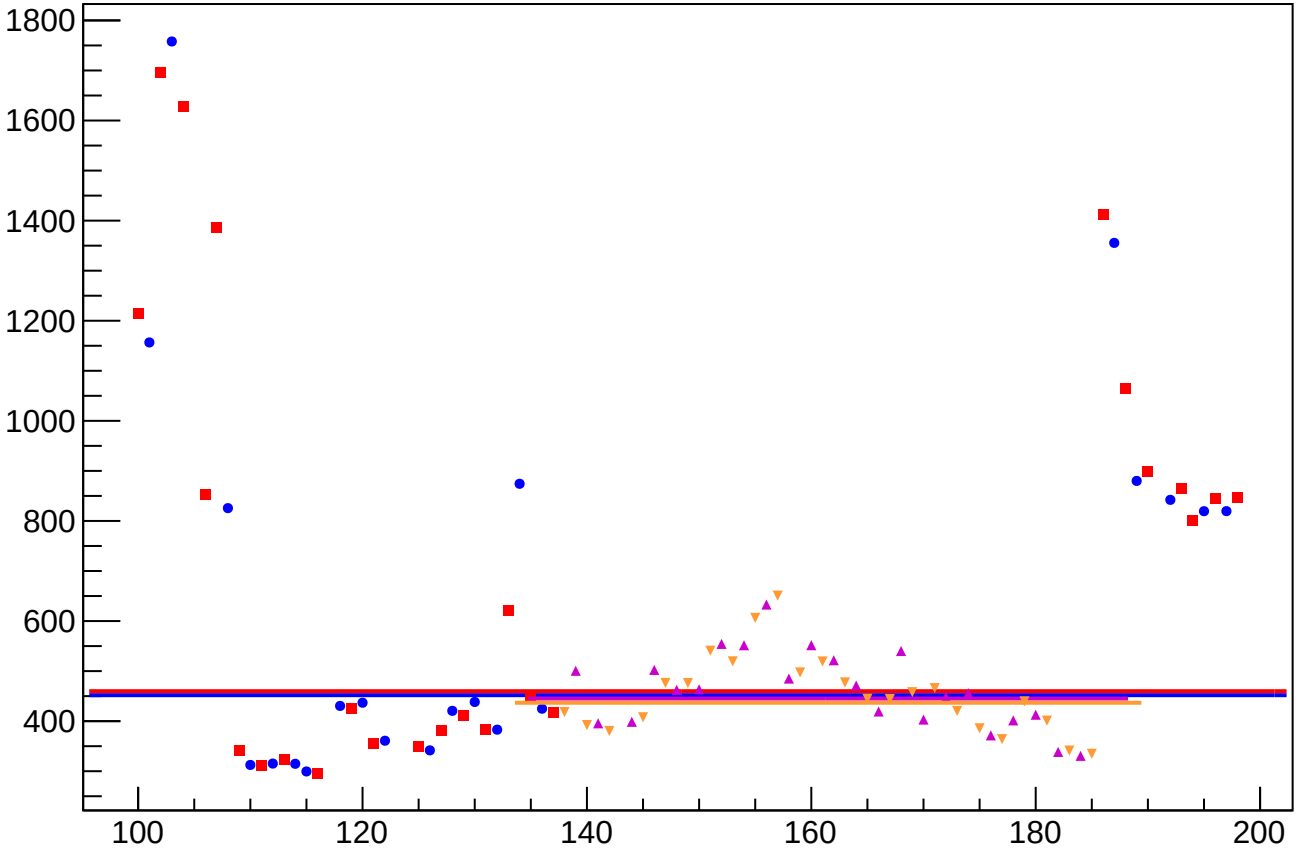
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -46.649+/-152.773 χ²/NDF: 28.6/20
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: -196.234+/-147.694 χ²/NDF: 23.1/24
Left In: 26.740+/-105.420 χ²/NDF:27.9/22
+ sign -223.061+/-85.391 χ²/NDF: 80.0/44
All: -136.211+/-60.526 χ²/NDF: 134.6/92
- sign -48.518+/-85.805 χ²/NDF: 52.5/47

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 451.911+/-0.108 χ^2/NDF: 3619498.2/20

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

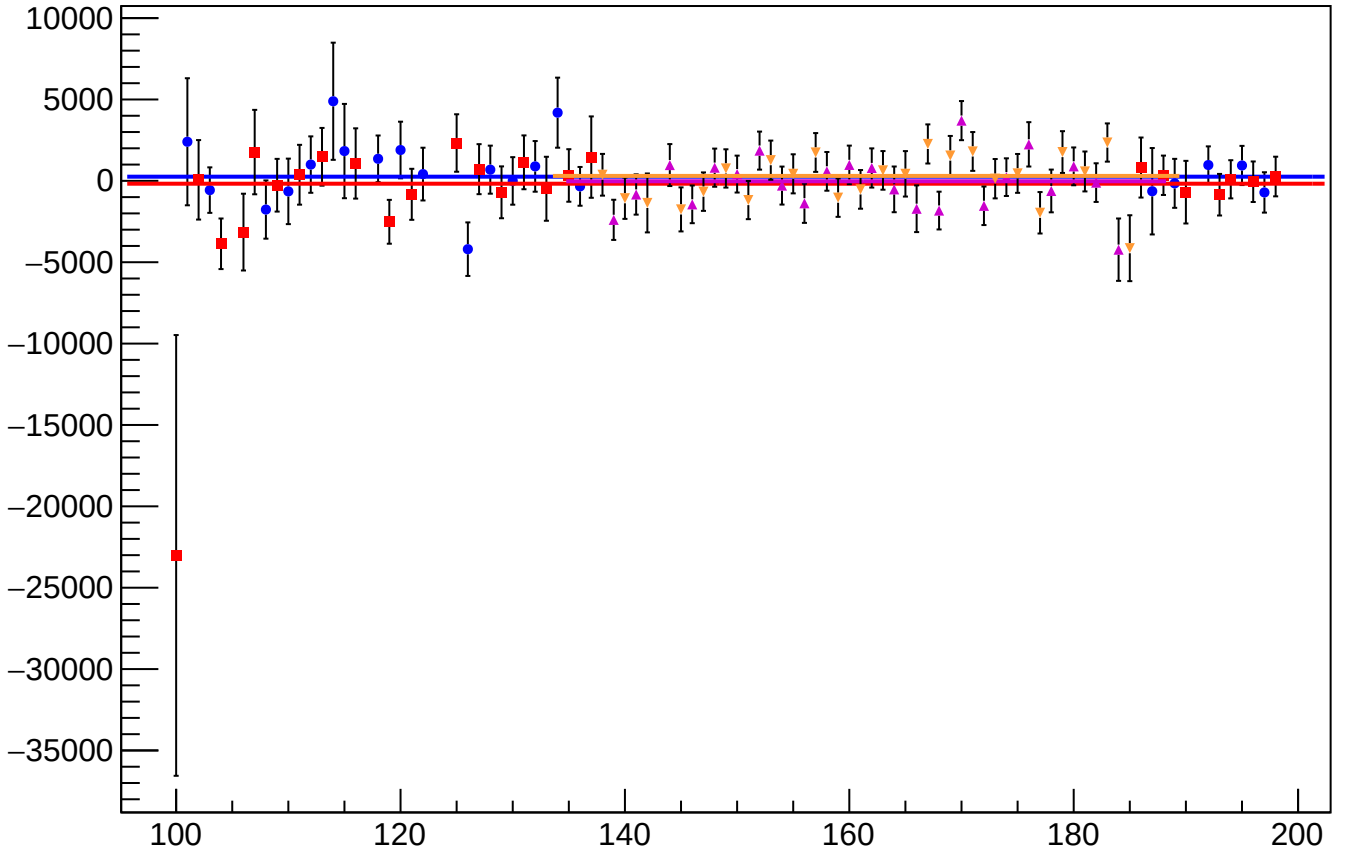
Right Out: 459.900+/-0.104 χ^2/NDF: 5032938.3/24

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 441.512+/-0.060 χ^2/NDF: 4488180.9/44

All: 445.786+/-0.043 χ^2/NDF: 10419010.6/92

- sign 450.101+/-0.061 χ^2/NDF: 5920761.2/47



Right In: 256.076+/-349.647 χ^2/NDF: 18.5/20

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -175.620+/-328.006 χ^2/NDF: 19.8/24

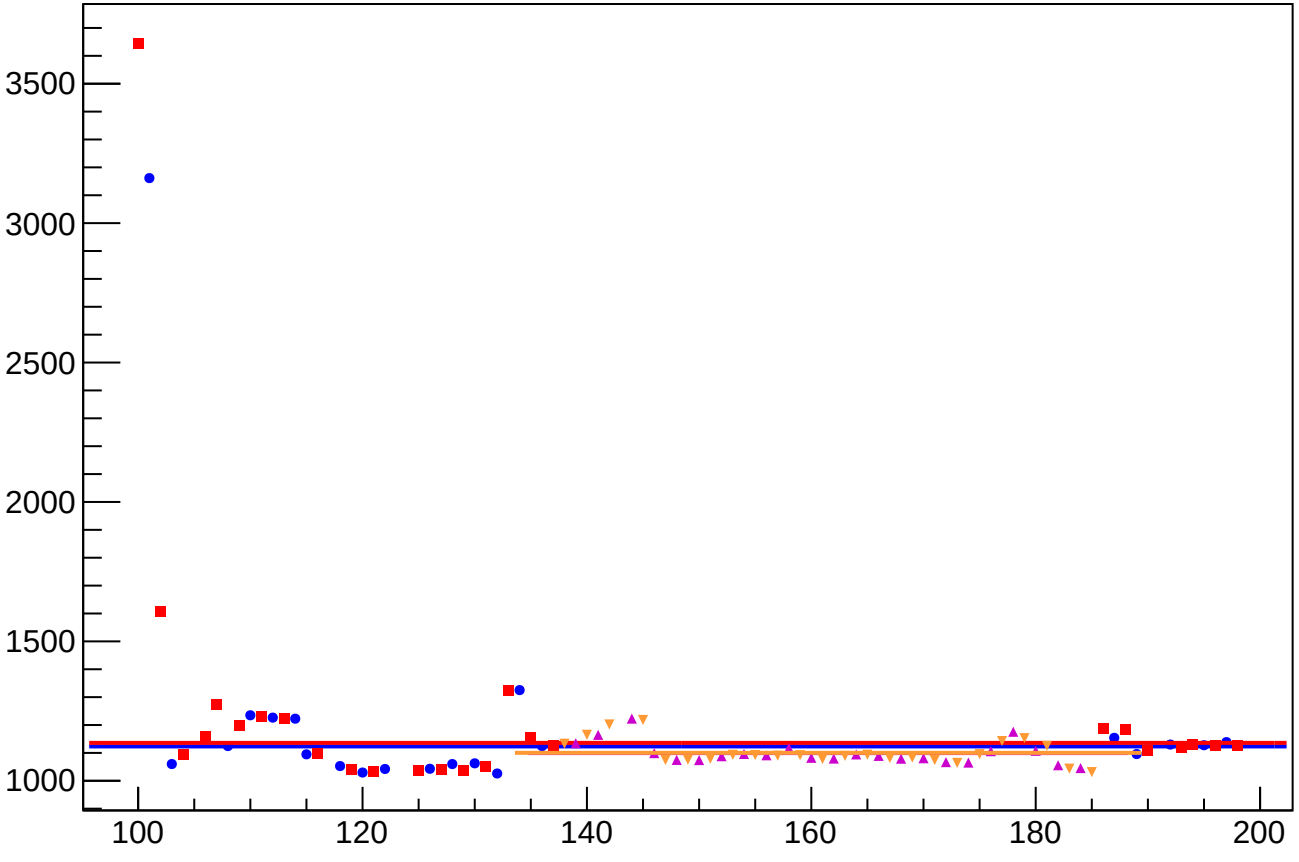
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 286.923+/-206.321 χ^2/NDF: 47.0/44

All: 98.539+/-144.424 χ^2/NDF: 104.4/92

- sign -82.455+/-202.234 χ^2/NDF: 55.8/47

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1123.210+/-0.247 χ^2/NDF: 618404.5/20

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

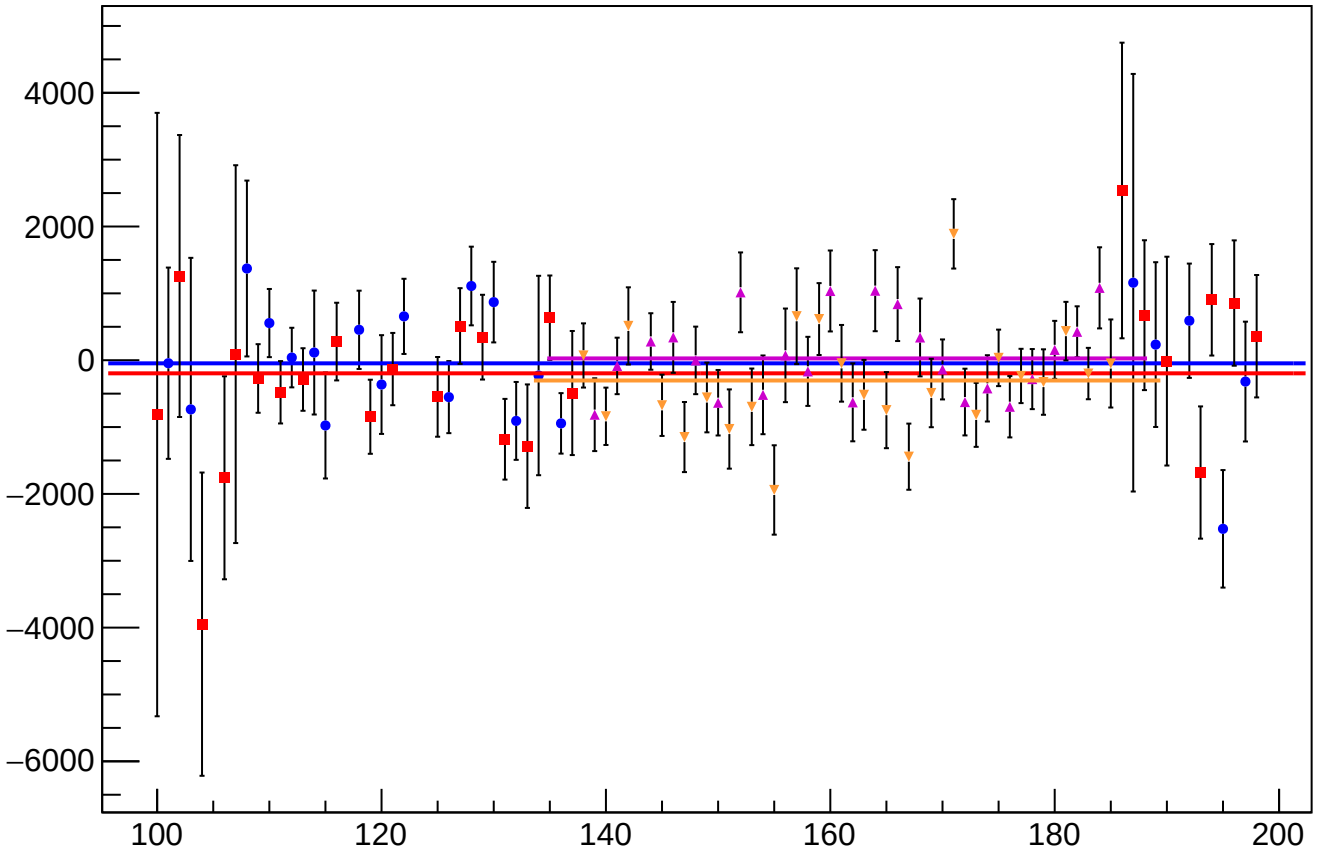
Right Out: 1135.976+/-0.232 χ^2/NDF: 233185.0/24

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1108.250+/-0.146 χ^2/NDF: 672795.9/44

All: 1110.809+/-0.102 χ^2/NDF: 966834.0/92

- sign 1113.268+/-0.143 χ^2/NDF: 293434.8/47



Right In: -46.651+/-152.772 χ^2/NDF: 28.6/20

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

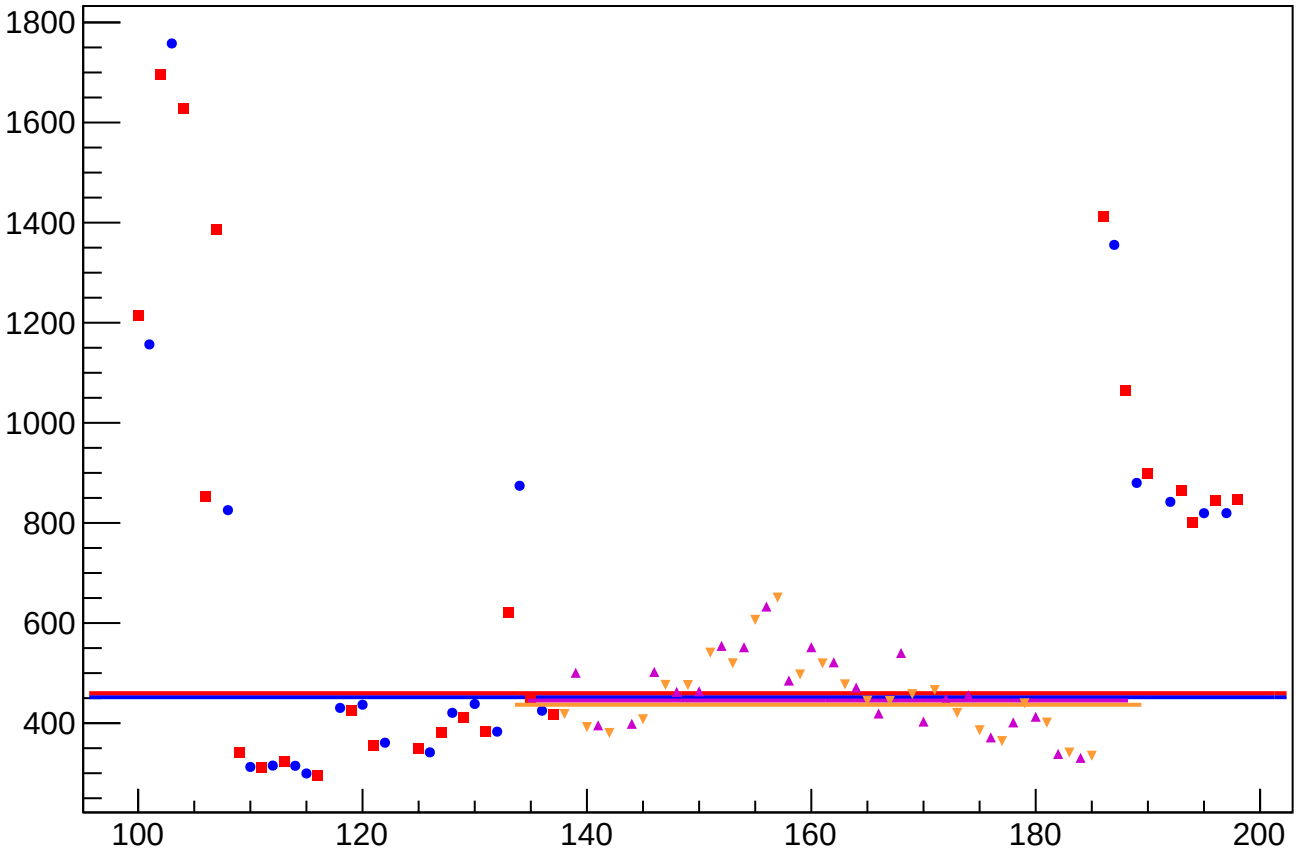
Right Out: -196.233+/-147.693 χ^2/NDF: 23.1/24

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -223.062+/-85.391 χ^2/NDF: 80.0/44

All: -136.212+/-60.526 χ^2/NDF: 134.6/92

- sign -48.519+/-85.805 χ^2/NDF: 52.5/47



Right In: 451.907+/-0.108 χ^2/NDF: 3619513.9/20

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 459.896+/-0.104 χ^2/NDF: 5032977.0/24

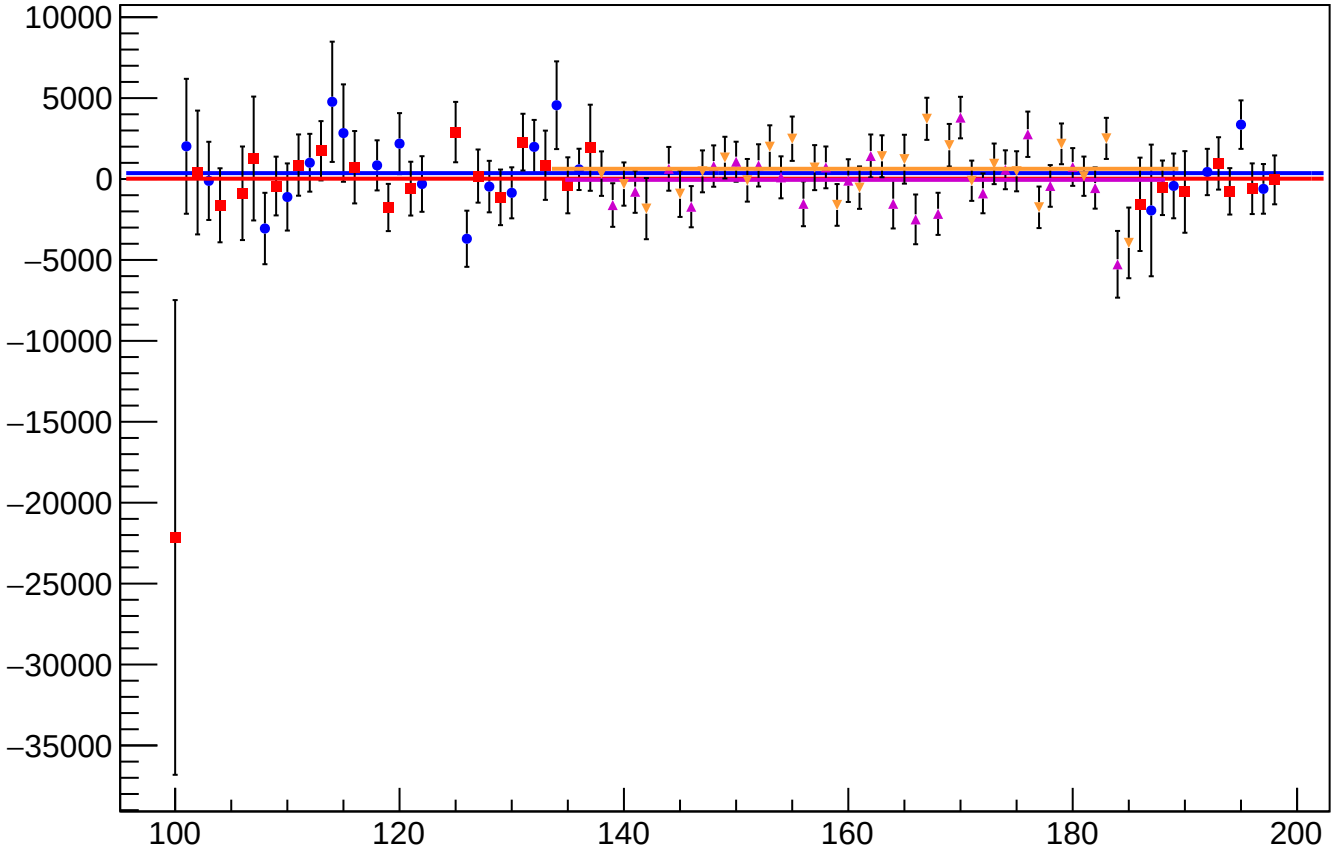
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 441.511+/-0.060 χ^2/NDF: 4488221.7/44

All: 445.784+/-0.043 χ^2/NDF: 10419118.1/92

- sign 450.099+/-0.061 χ^2/NDF: 5920828.3/47

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 364.370+/-404.607 χ^2/NDF: 21.1/20

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 21.740+/-385.639 χ^2/NDF: 12.4/24

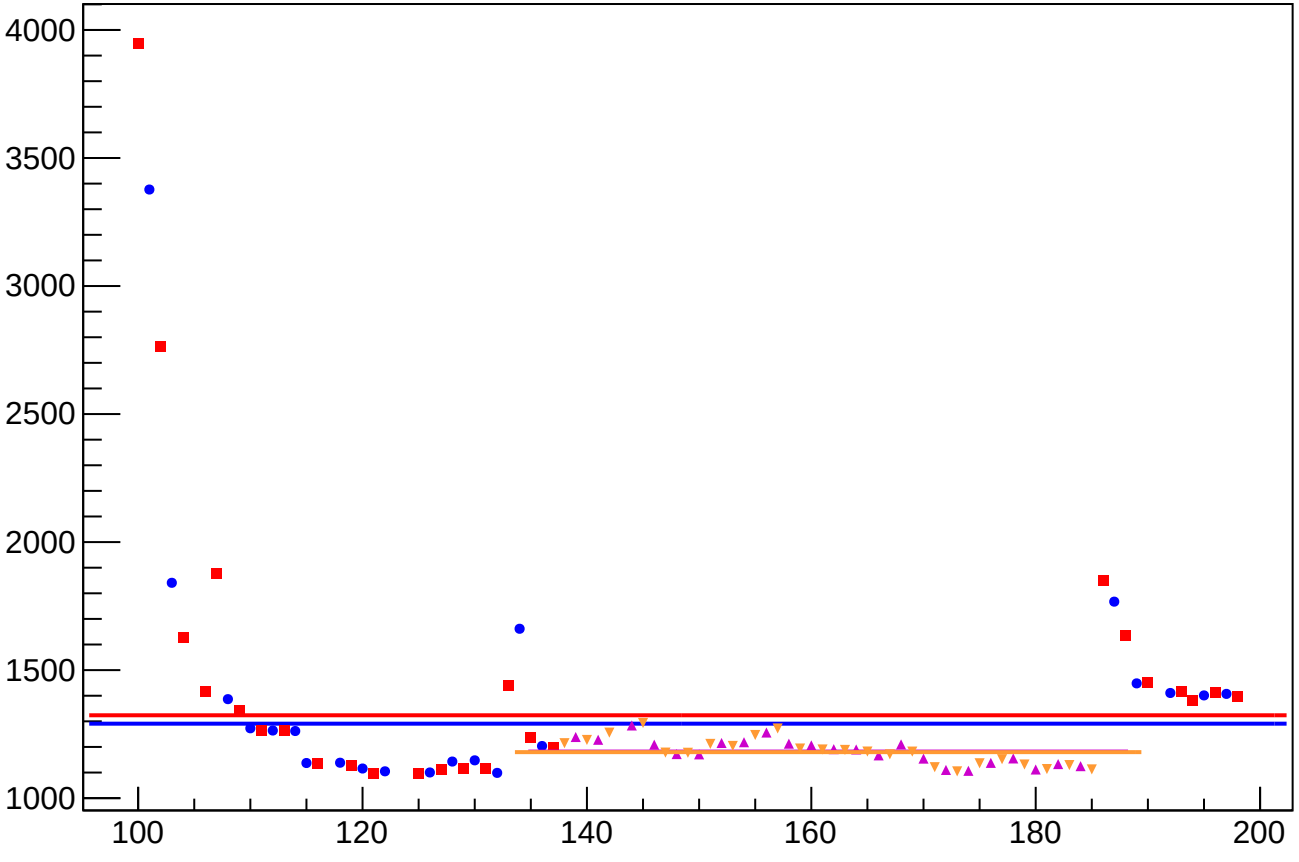
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 548.428+/-226.907 χ^2/NDF: 51.5/44

All: 258.107+/-159.609 χ^2/NDF: 102.2/92

- sign -26.228+/-224.555 χ^2/NDF: 47.5/47

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1290.853+/-0.286 χ^2/NDF: 881732.8/20

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

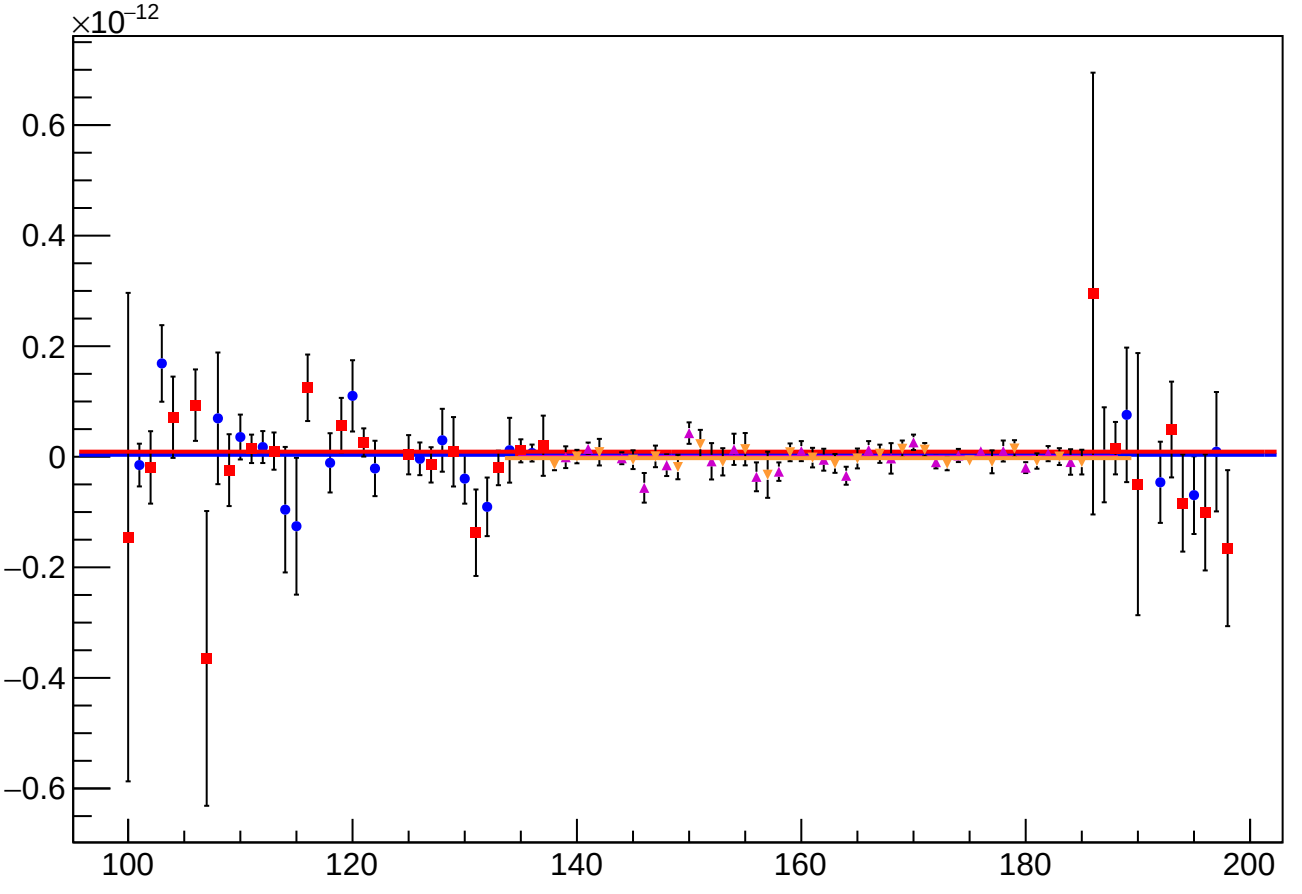
Right Out: 1323.674+/-0.273 χ^2/NDF: 815832.3/24

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1214.667+/-0.160 χ^2/NDF: 1049845.2/44

All: 1222.408+/-0.113 χ^2/NDF: 2109225.2/92

\- sign 1229.990+/-0.159 χ^2/NDF: 1054772.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

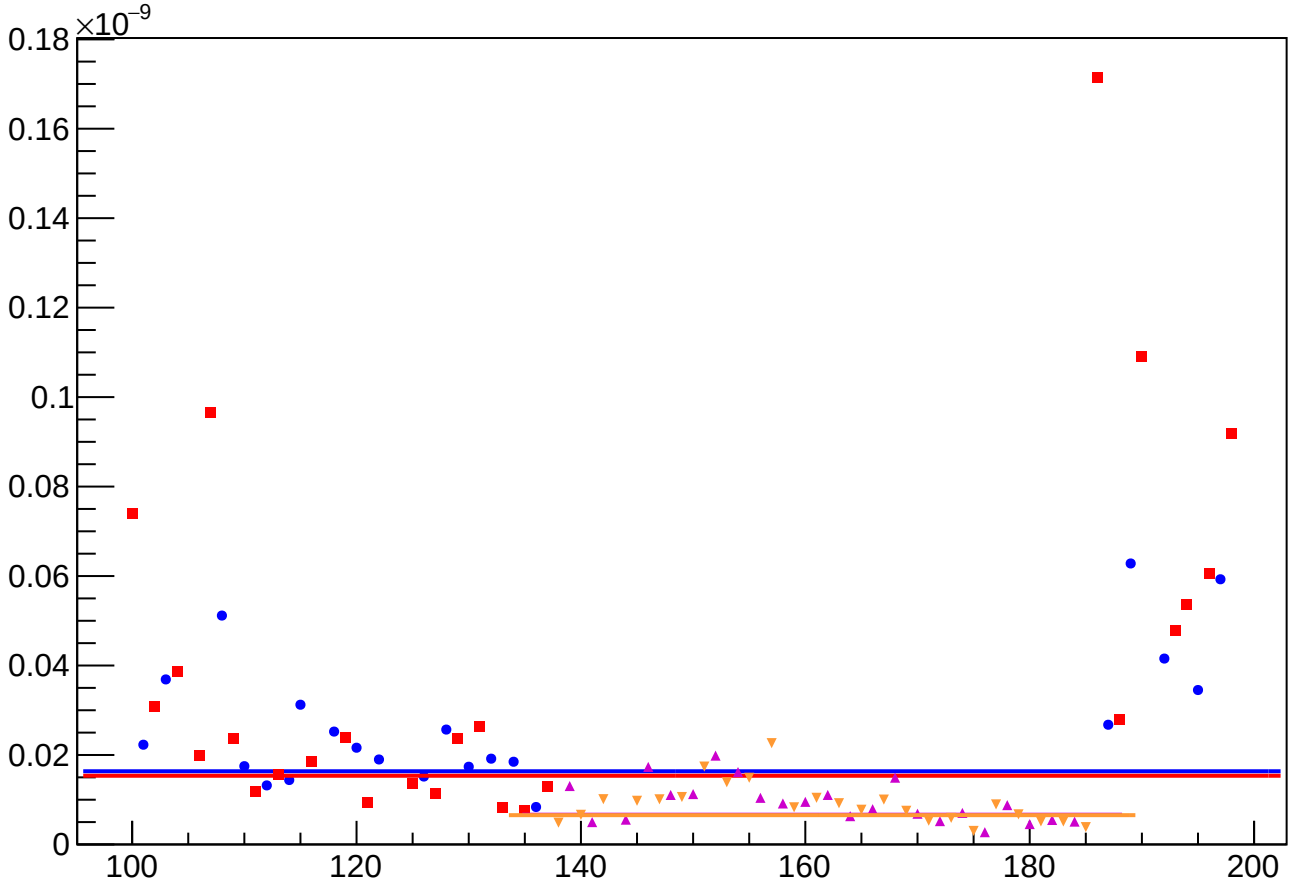
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/24

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.2/44

All: -0.000+/-0.000 χ^2/NDF: 82.7/92

- sign 0.000+/-0.000 χ^2/NDF: 53.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 2138261.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

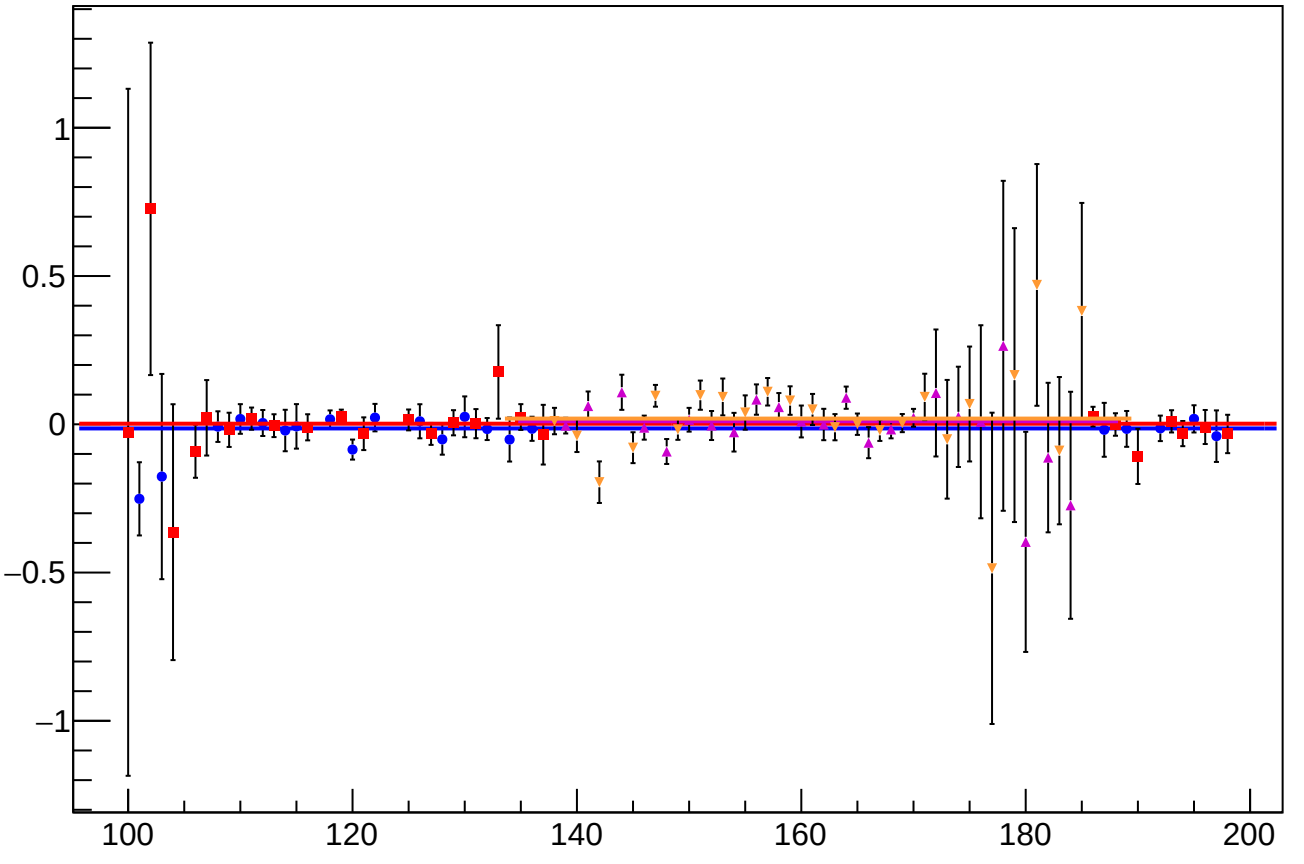
Right Out: 0.000+/-0.000 χ^2/NDF: 3676775.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6462547.7/44

All: 0.000+/-0.000 χ^2/NDF: 14349664.0/92

- sign 0.000+/-0.000 χ^2/NDF: 7886370.9/47



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

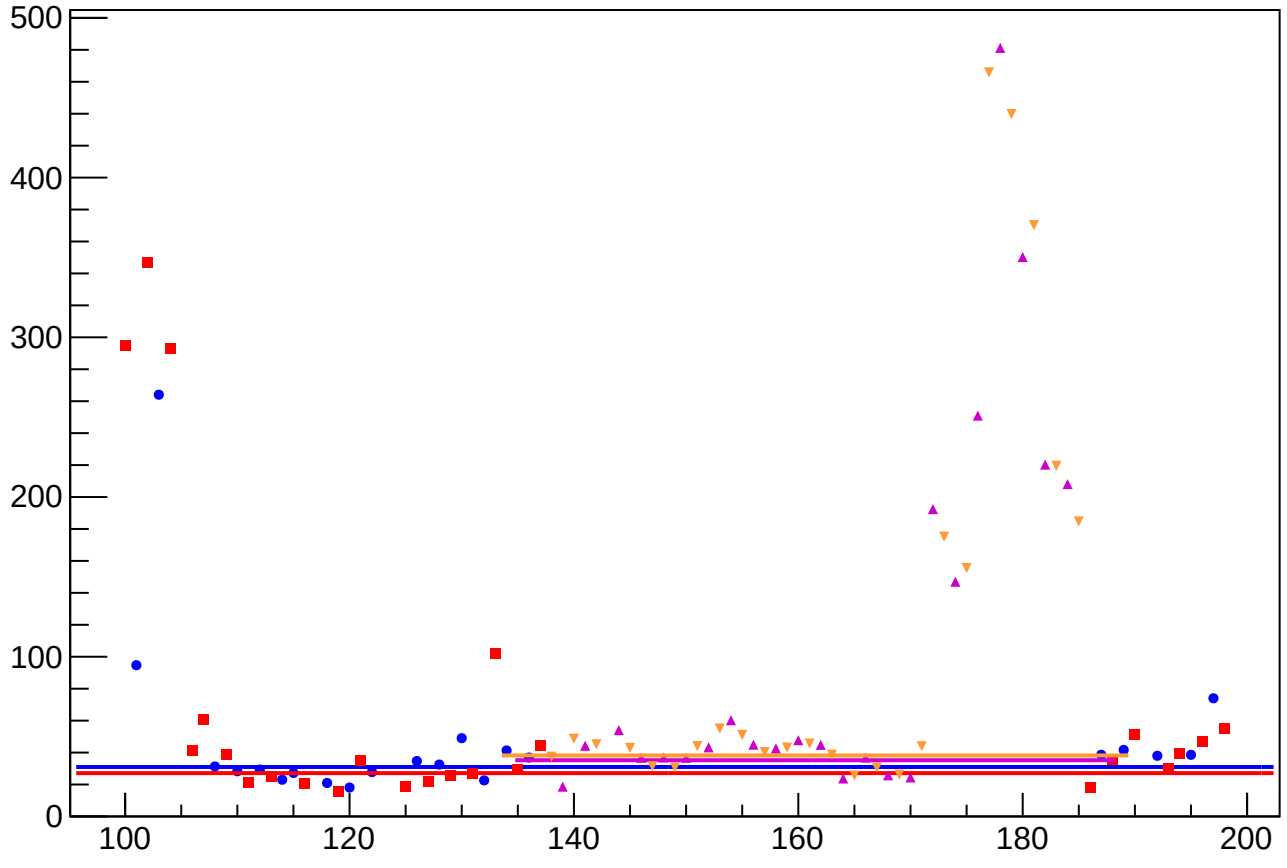
Right Out: 0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 53.1/44

All: 0.005+/-0.005 χ^2/NDF: 87.9/92

- sign 0.006+/-0.007 χ^2/NDF: 34.8/47



Right In: 30.978+/-0.008 χ^2/NDF: 3007043.0/20

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

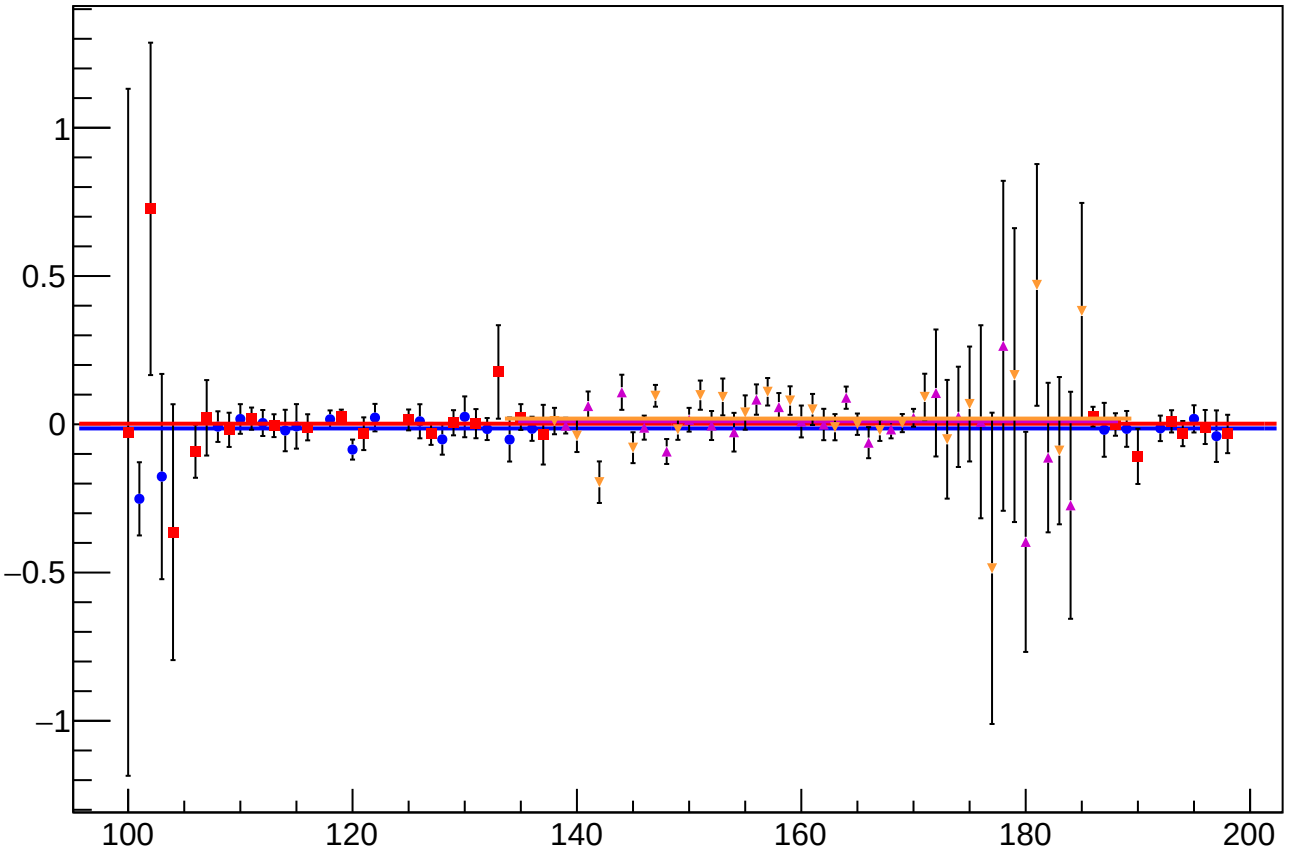
Right Out: 27.132+/-0.007 χ^2/NDF: 4225273.5/24

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.684+/-0.005 χ^2/NDF: 11728839.3/44

All: 32.556+/-0.004 χ^2/NDF: 26286149.9/92

- sign 30.836+/-0.005 χ^2/NDF: 14283620.3/47



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

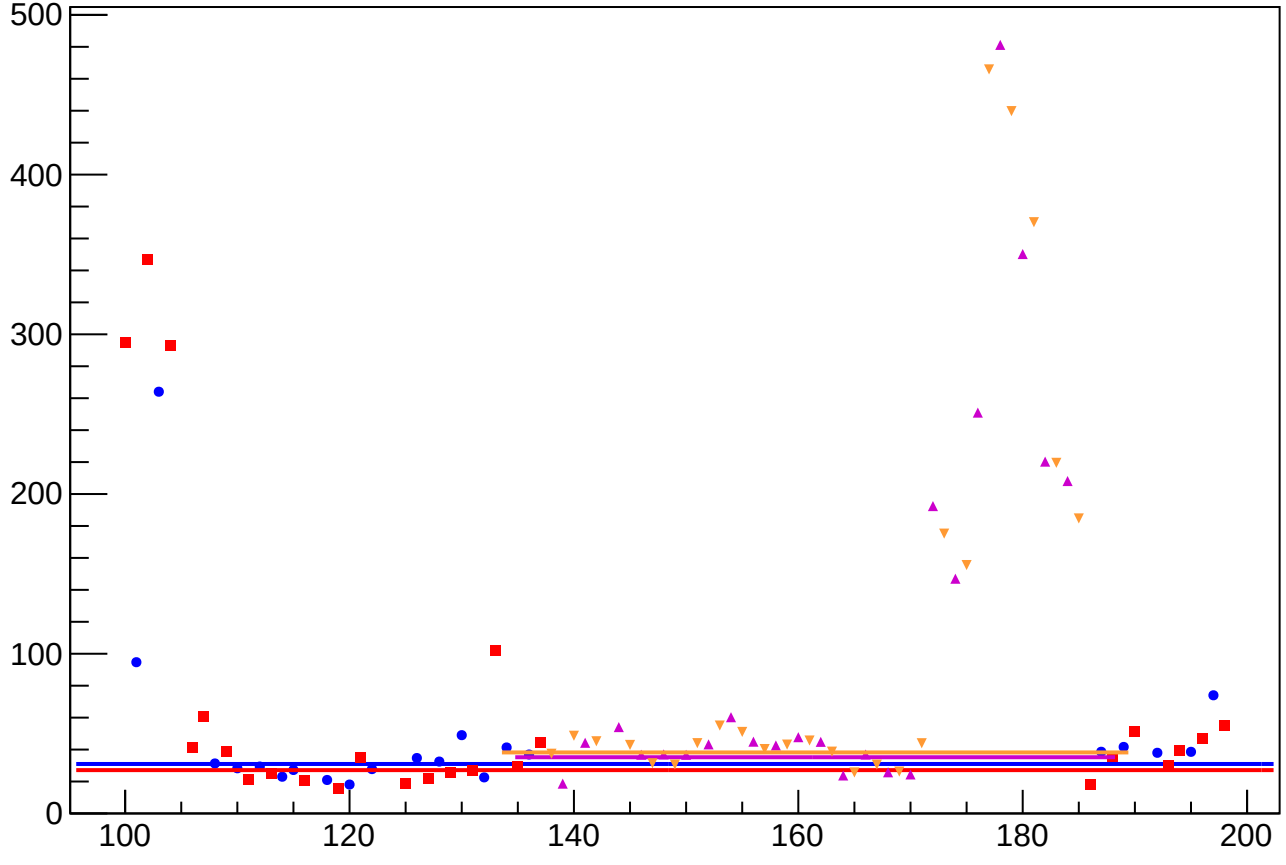
Right Out: 0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 53.1/44

All: 0.005+/-0.005 χ^2/NDF: 87.9/92

- sign 0.006+/-0.007 χ^2/NDF: 34.8/47



Right In: 30.978+/-0.008 χ^2/NDF: 3007043.0/20

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

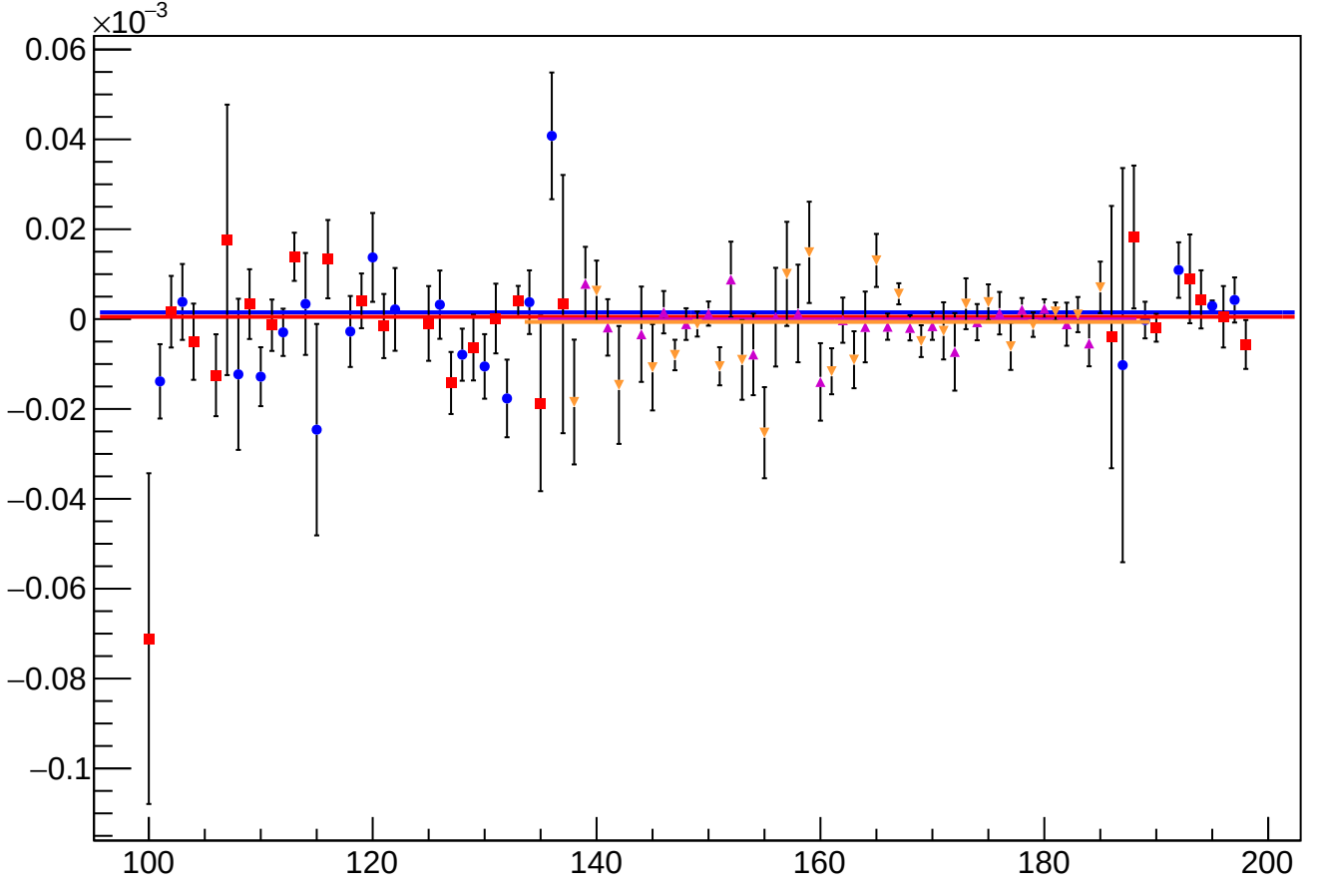
Right Out: 27.132+/-0.007 χ^2/NDF: 4225273.5/24

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.684+/-0.005 χ^2/NDF: 11728839.3/44

All: 32.556+/-0.004 χ^2/NDF: 26286149.9/92

- sign 30.836+/-0.005 χ^2/NDF: 14283620.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

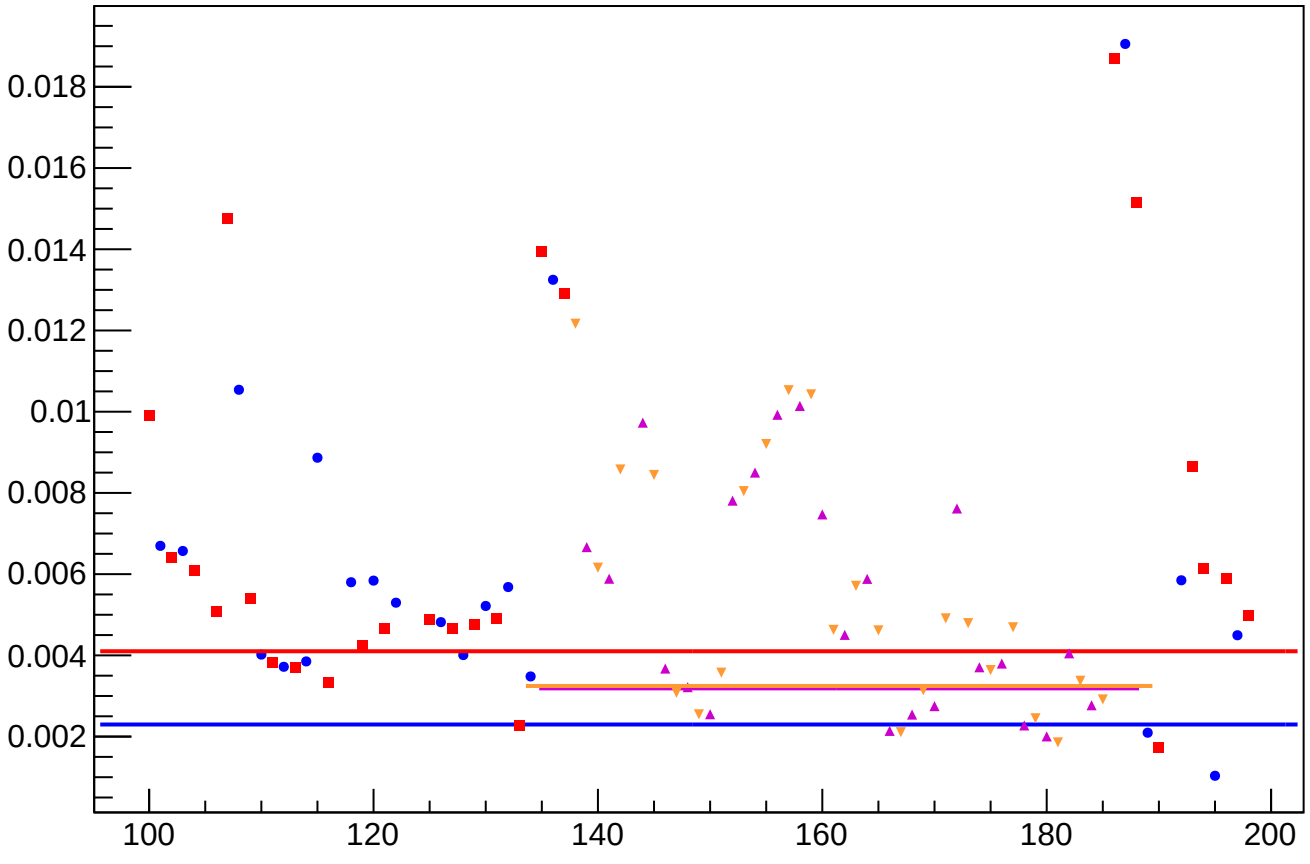
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/24

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.1/44

All: 0.000+/-0.000 χ^2/NDF: 127.7/92

- sign 0.000+/-0.000 χ^2/NDF: 38.5/47



Right In: 0.002+/-0.000 χ^2/NDF: 8672621.2/20

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

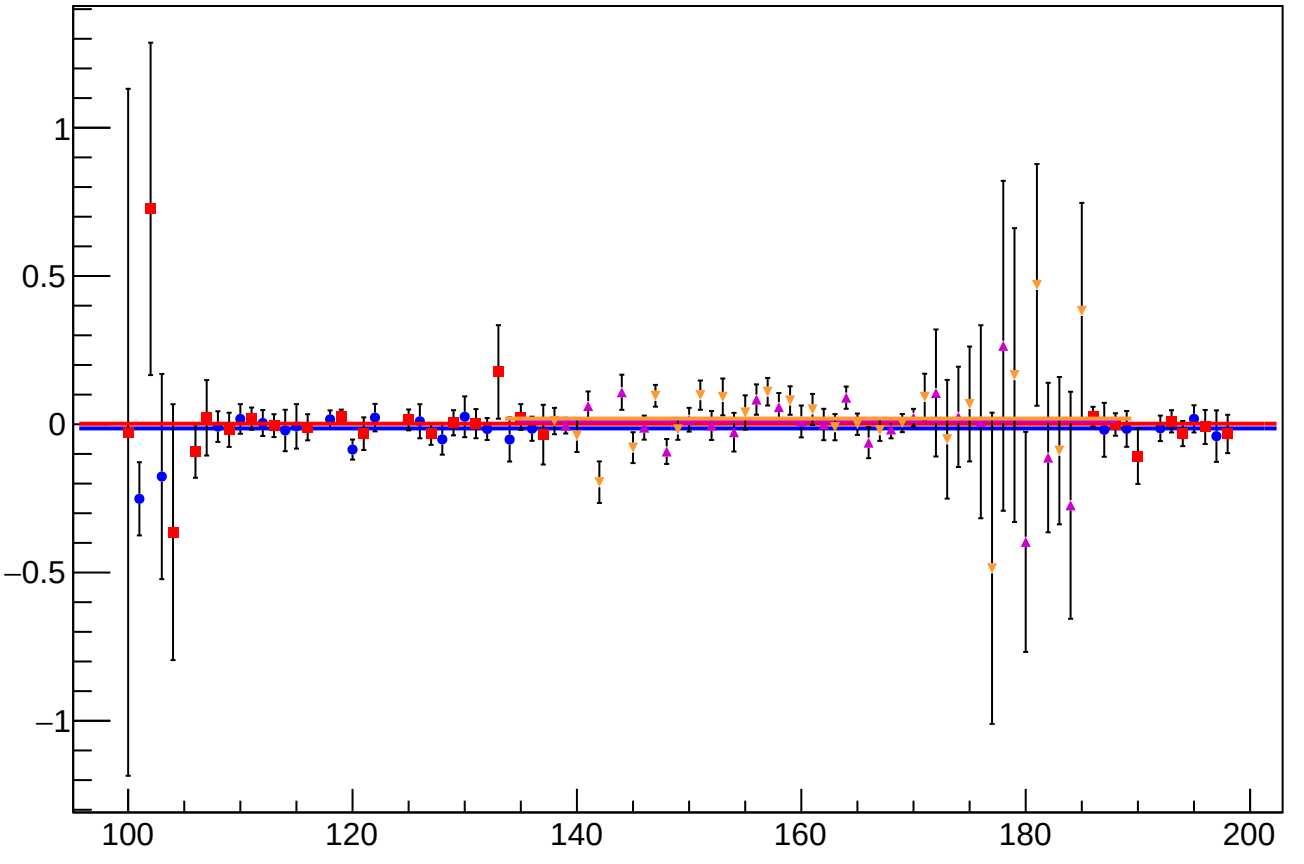
Right Out: 0.004+/-0.000 χ^2/NDF: 5493494.1/24

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 17463304.2/44

All: 0.003+/-0.000 χ^2/NDF: 31718806.1/92

- sign 0.003+/-0.000 χ^2/NDF: 13444949.7/47



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.002+/-0.009 χ^2/NDF: 10.8/24

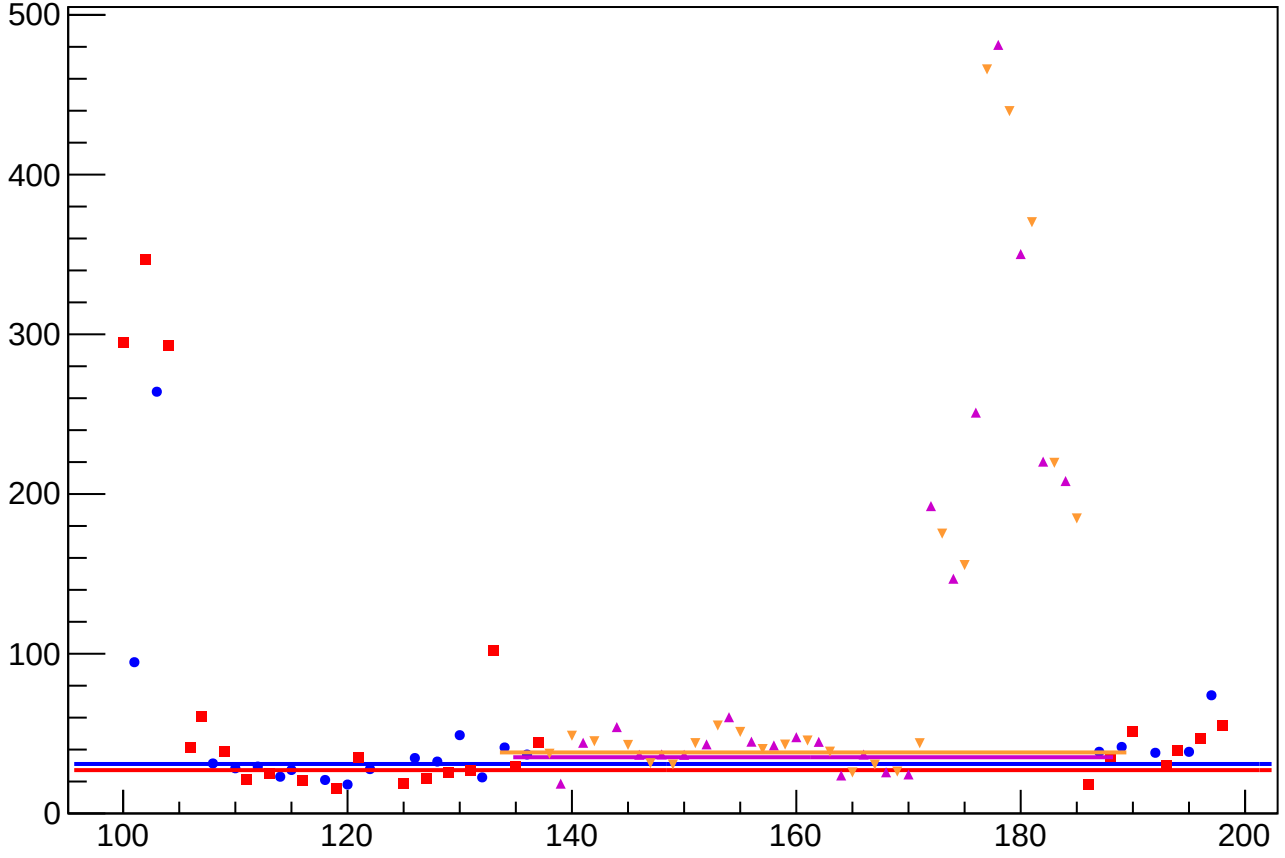
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 53.1/44

All: 0.005+/-0.005 χ^2/NDF: 87.9/92

- sign 0.006+/-0.007 χ^2/NDF: 34.8/47

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.978+/-0.008 χ^2/NDF: 3007066.4/20

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

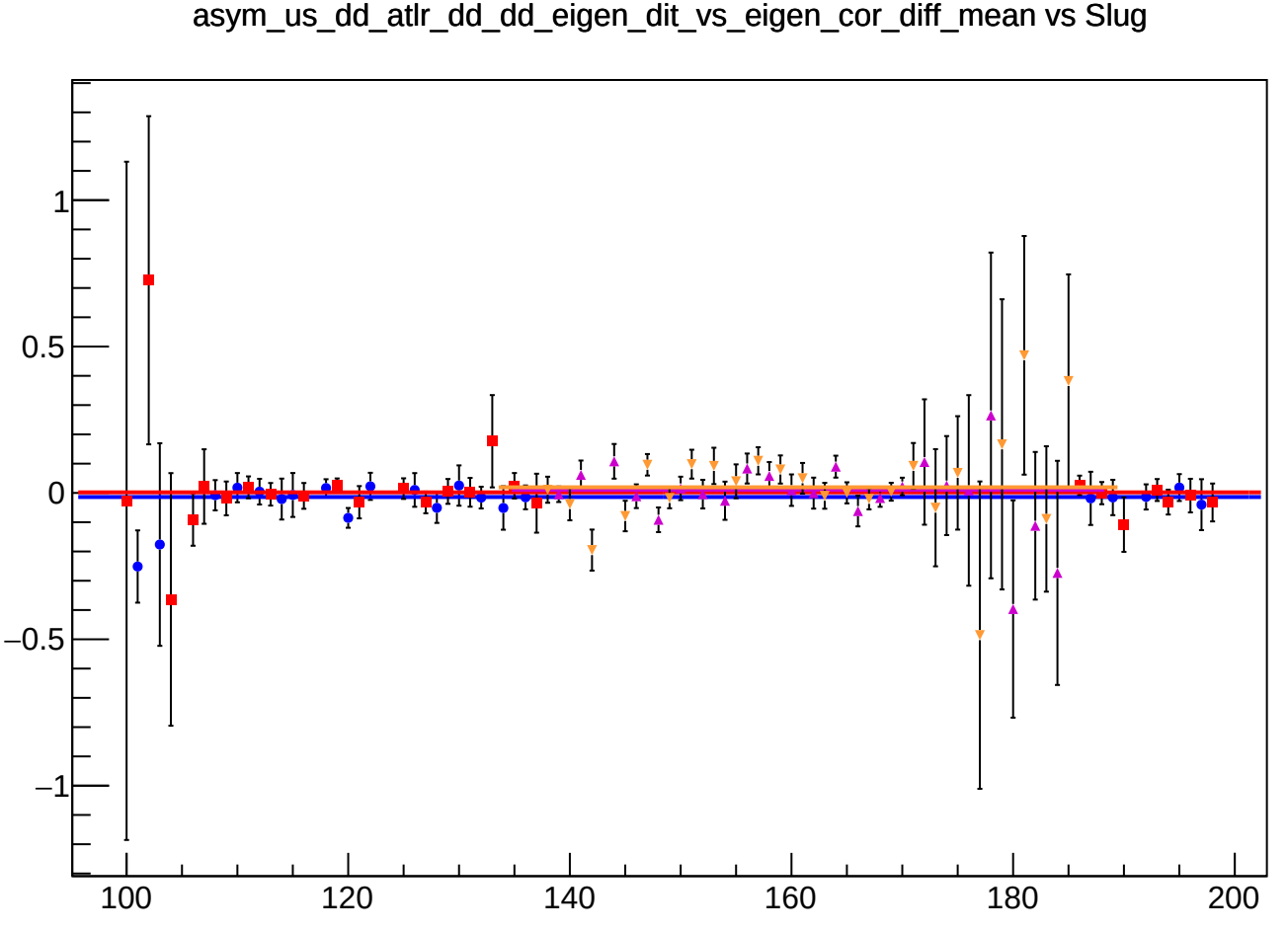
Right Out: 27.130+/-0.007 χ^2/NDF: 4225631.9/24

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.684+/-0.005 χ^2/NDF: 11728996.3/44

All: 32.555+/-0.004 χ^2/NDF: 26287639.5/92

- sign 30.834+/-0.005 χ^2/NDF: 14284750.7/47



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

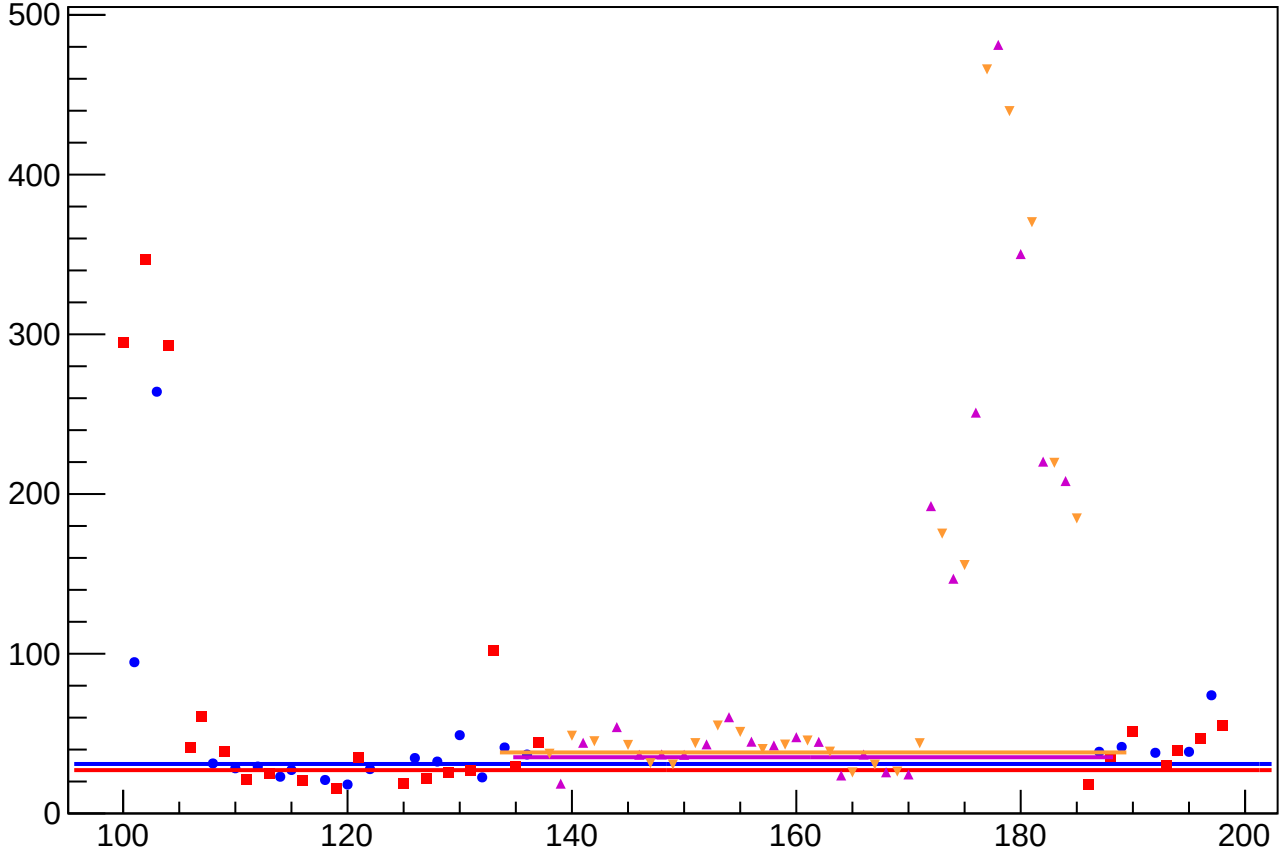
Right Out: 0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 53.1/44

All: 0.005+/-0.005 χ^2/NDF: 87.9/92

- sign 0.006+/-0.007 χ^2/NDF: 34.8/47



Right In: 30.978+/-0.008 χ^2/NDF: 3007066.4/20

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

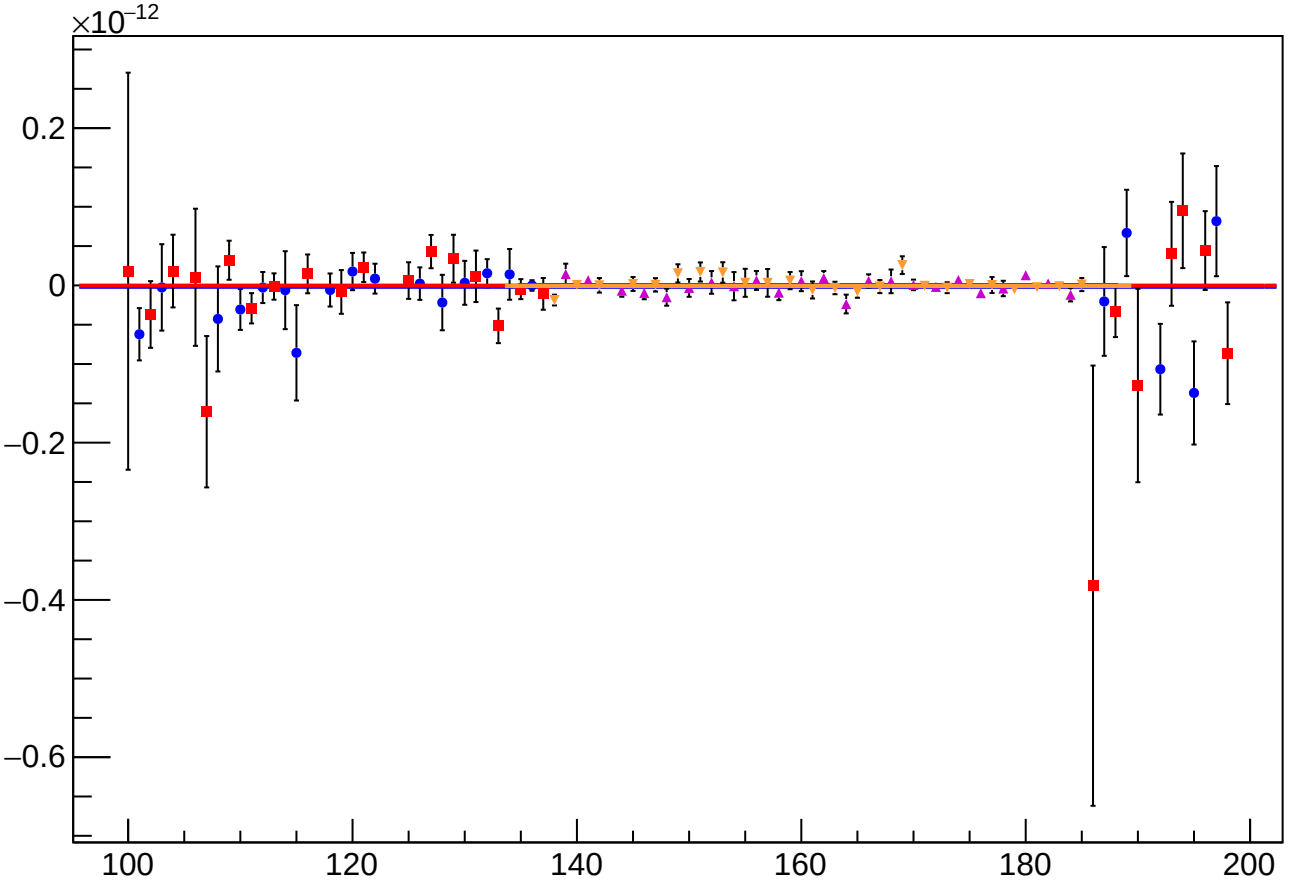
Right Out: 27.130+/-0.007 χ^2/NDF: 4225631.9/24

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

\+ sign 34.684+/-0.005 χ^2/NDF: 11728996.3/44

All: 32.555+/-0.004 χ^2/NDF: 26287639.5/92

\- sign 30.834+/-0.005 χ^2/NDF: 14284750.7/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

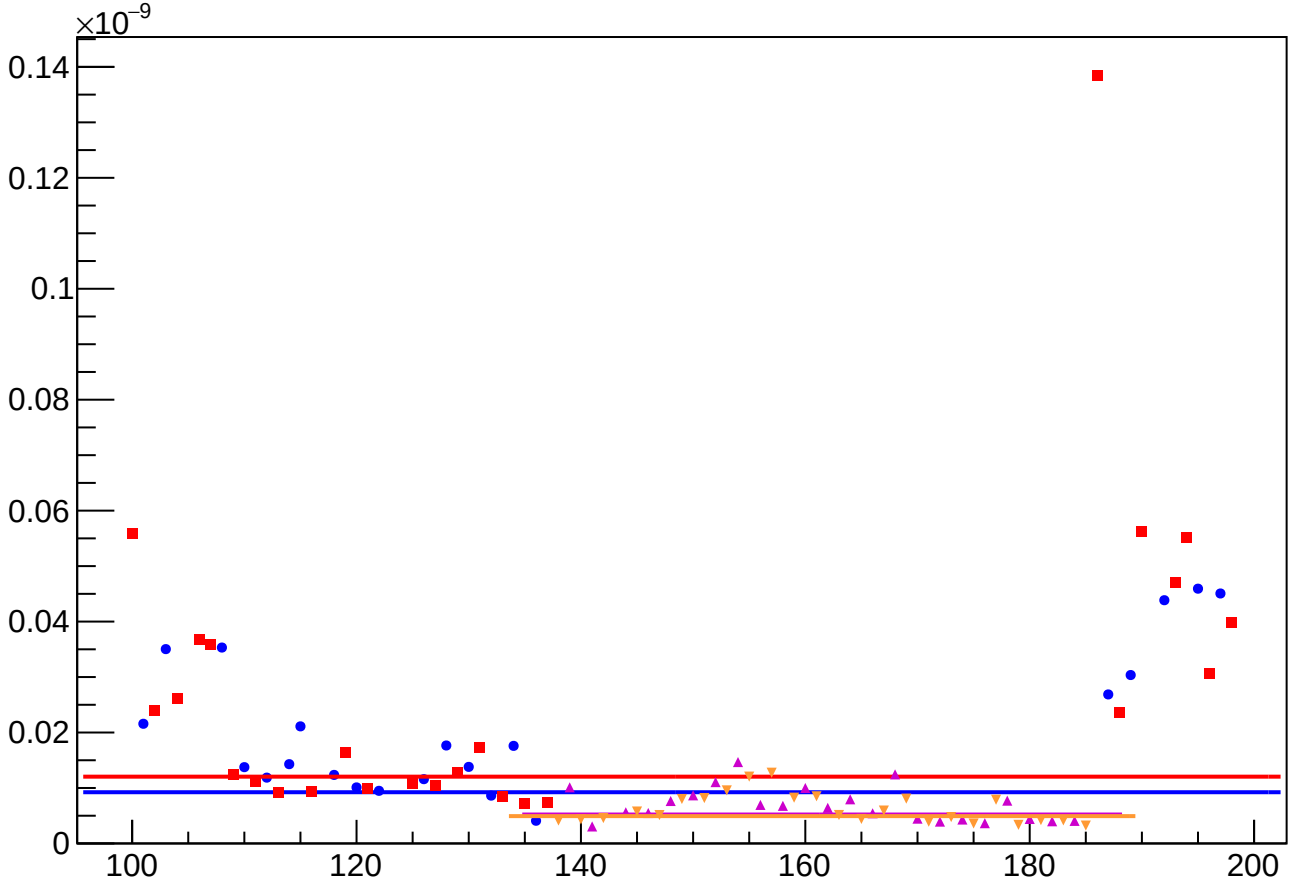
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/24

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/44

All: -0.000+/-0.000 χ^2/NDF: 97.4/92

- sign 0.000+/-0.000 χ^2/NDF: 55.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 5068008.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4183998.5/24

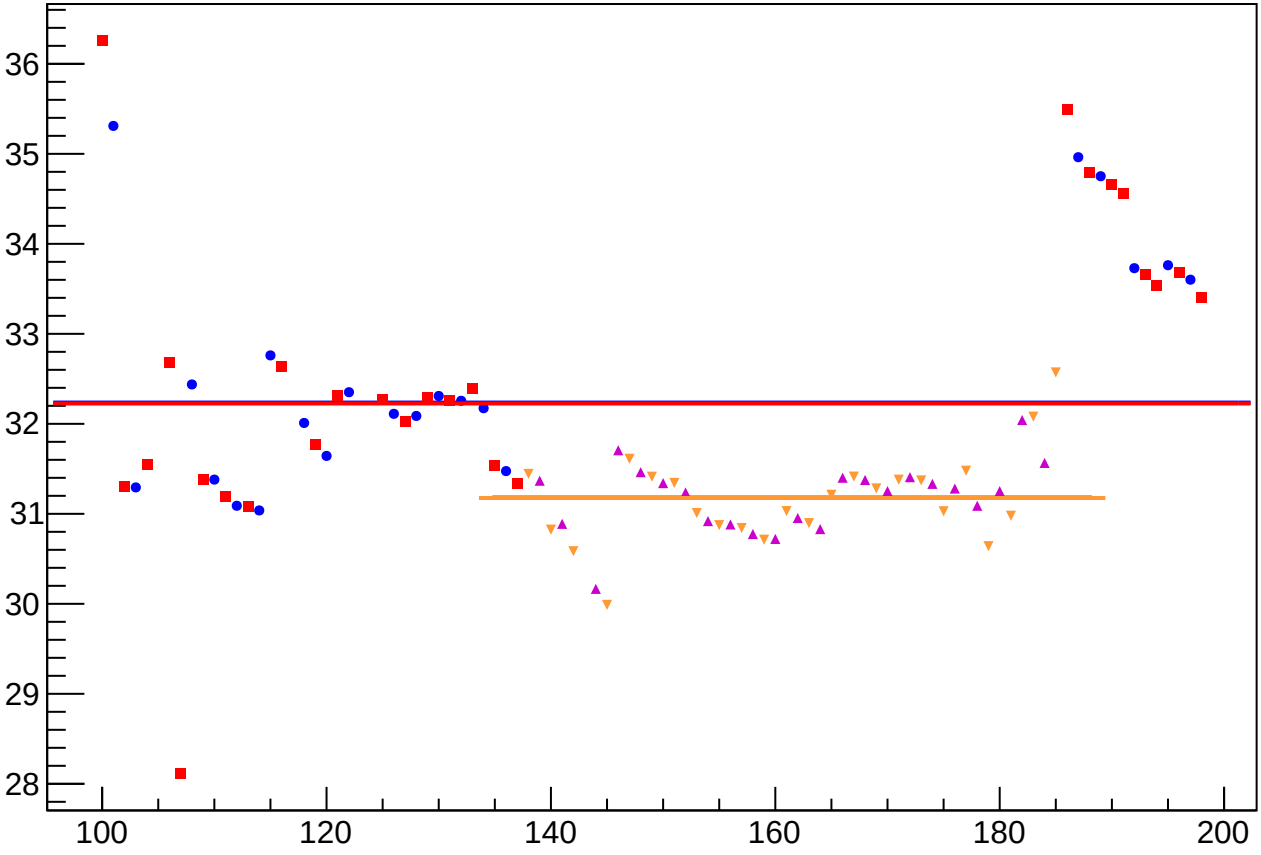
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9204875.3/44

All: 0.000+/-0.000 χ^2/NDF: 19799229.1/92

- sign 0.000+/-0.000 χ^2/NDF: 10516876.3/47

yield_usl_mean vs Slug



Right In: 32.236+/-0.000 χ^2/NDF: 1418271945.7/20

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.226+/-0.000 χ^2/NDF: 1572635785.7/25

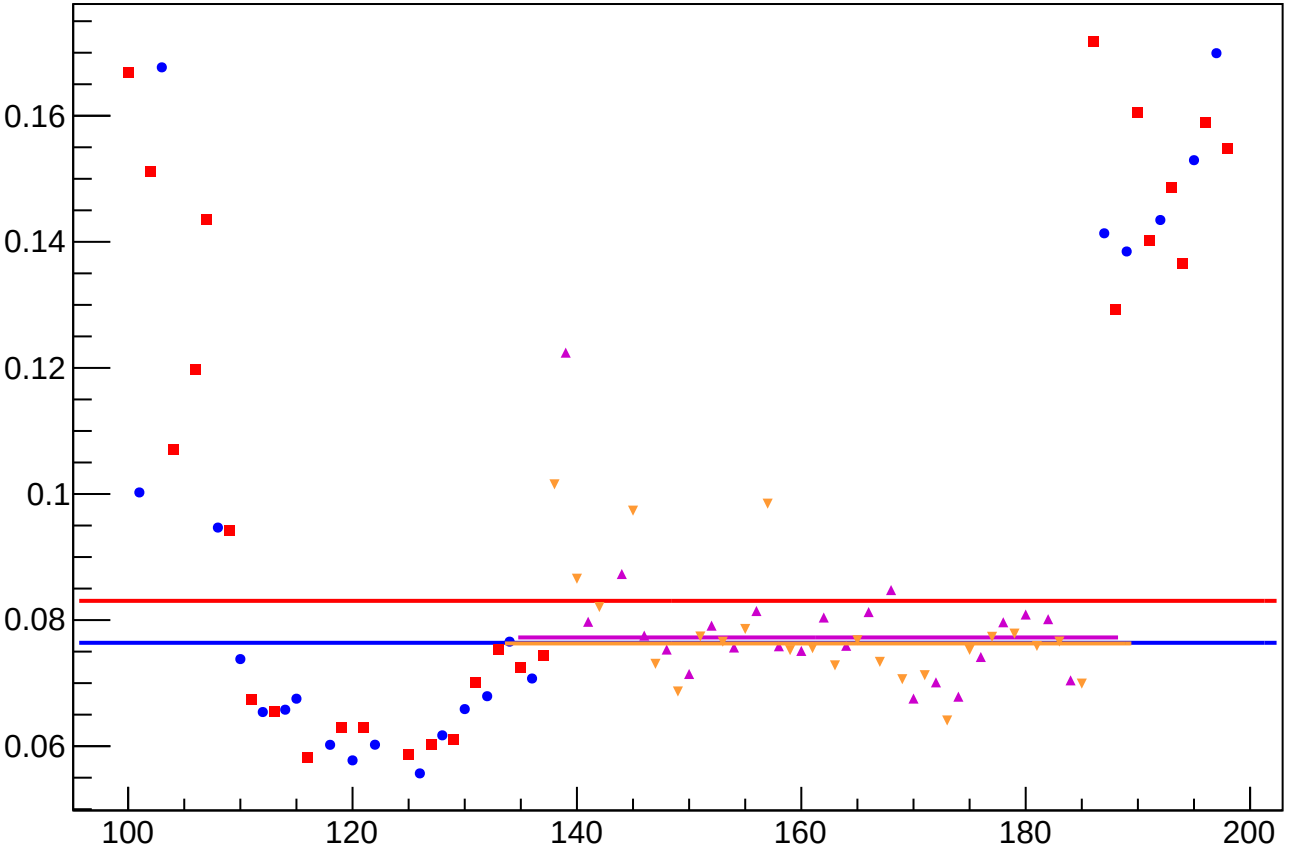
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.536+/-0.000 χ^2/NDF: 3048643997.3/44

All: 31.541+/-0.000 χ^2/NDF: 6053857911.0/9

- sign 31.546+/-0.000 χ^2/NDF: 3005035657.6/48

yield_usl_rms vs Slug



Right In: 0.076+/-0.000 χ^2/NDF: 2479692.4/20

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.083+/-0.000 χ^2/NDF: 3210719.3/25

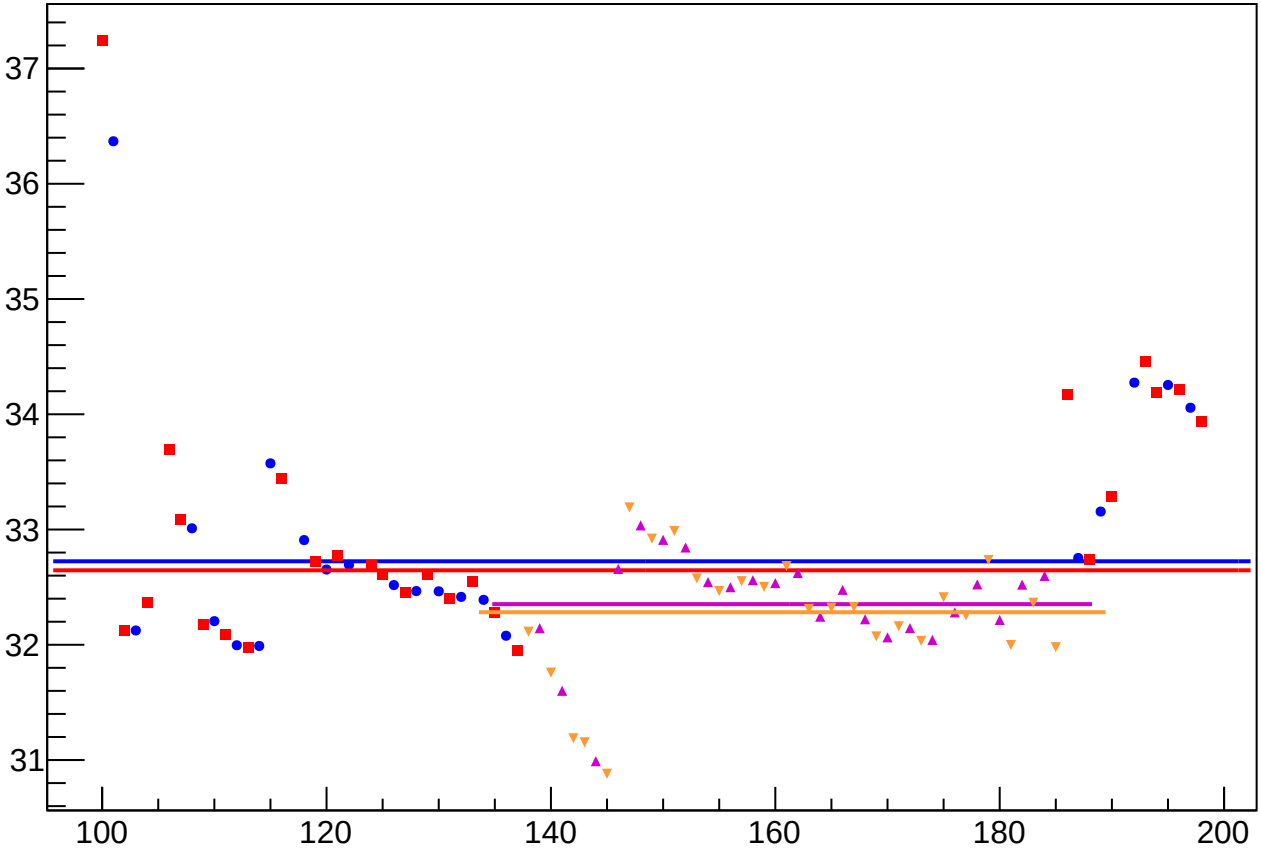
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.076+/-0.000 χ^2/NDF: 2836410.0/44

All: 0.078+/-0.000 χ^2/NDF: 6514774.6/93

- sign 0.079+/-0.000 χ^2/NDF: 3641084.3/48

yield_usr_mean vs Slug



Right In: 32.724+/-0.000 χ^2/NDF: 864042929.2/20

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.646+/-0.000 χ^2/NDF: 390300851.7/25

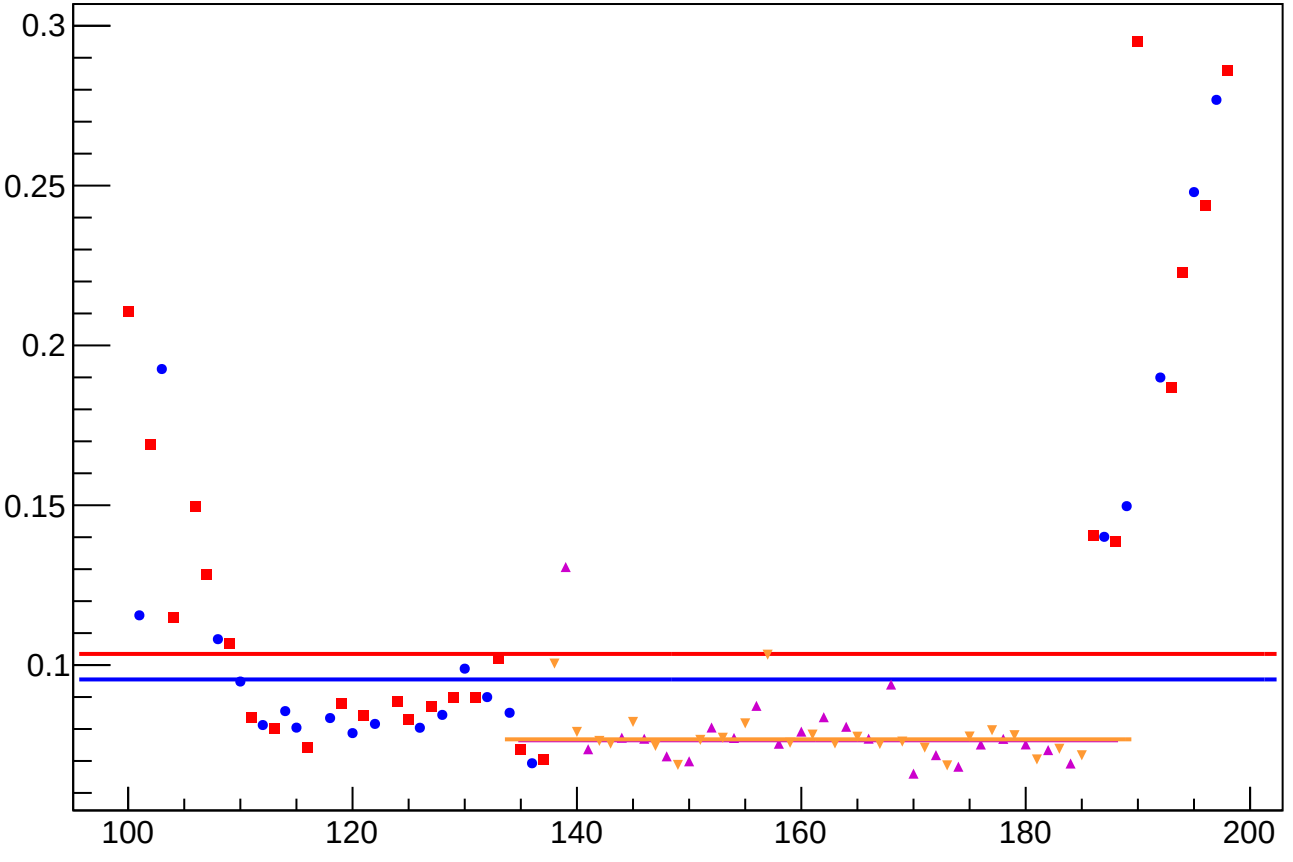
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.386+/-0.000 χ^2/NDF: 1840905793.7/45

All: 32.405+/-0.000 χ^2/NDF: 2884195323.7/9

- sign 32.424+/-0.000 χ^2/NDF: 1040566398.7/48

yield_usr_rms vs Slug



Right In: 0.096+/-0.000 χ^2/NDF: 2659665.6/20

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.103+/-0.000 χ^2/NDF: 3339096.3/25

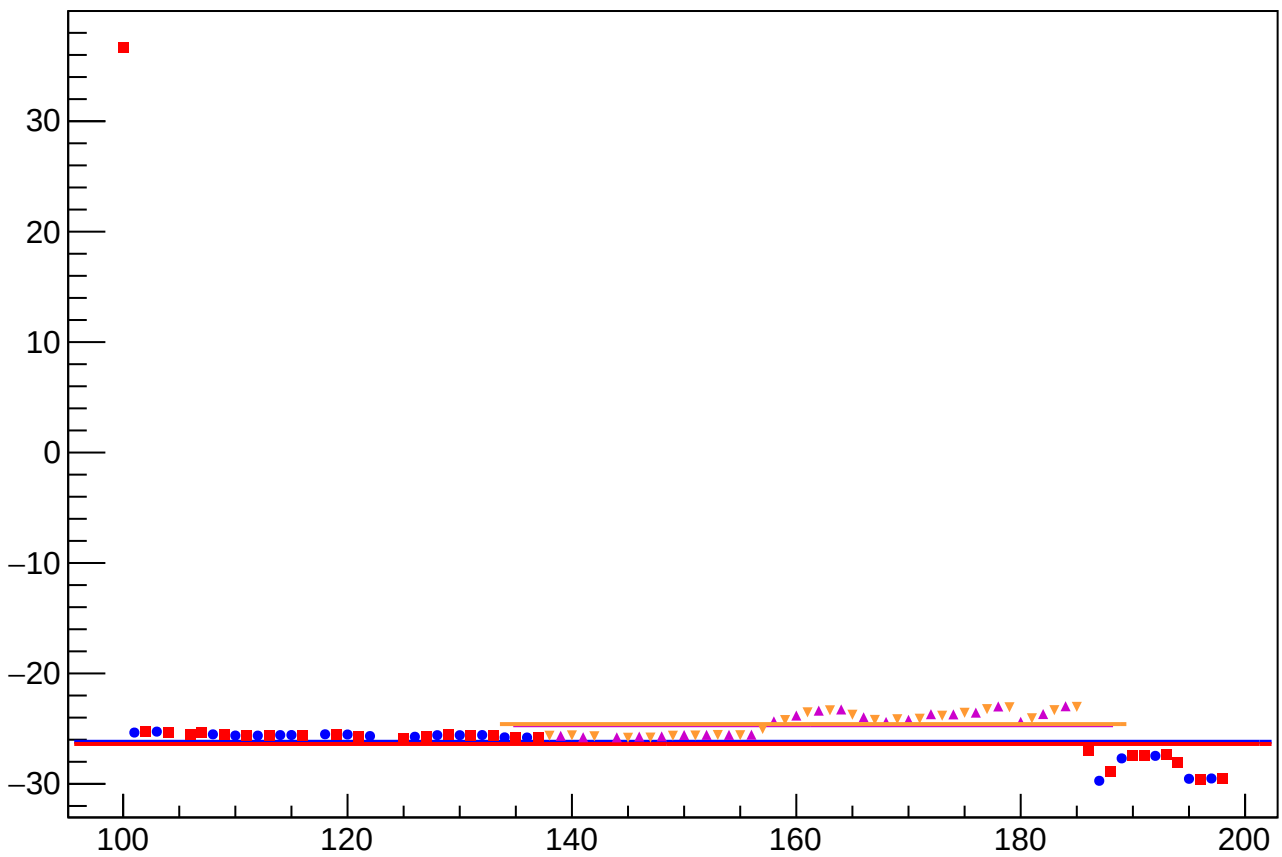
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.081+/-0.000 χ^2/NDF: 3405983.9/45

All: 0.082+/-0.000 χ^2/NDF: 8263392.0/94

- sign 0.083+/-0.000 χ^2/NDF: 4843984.4/48

yield_dsl_mean vs Slug



Right In: -26.189+/-0.000 χ^2/NDF: 8509678597.9/20

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.385+/-0.000 χ^2/NDF: 19821090383.8/25

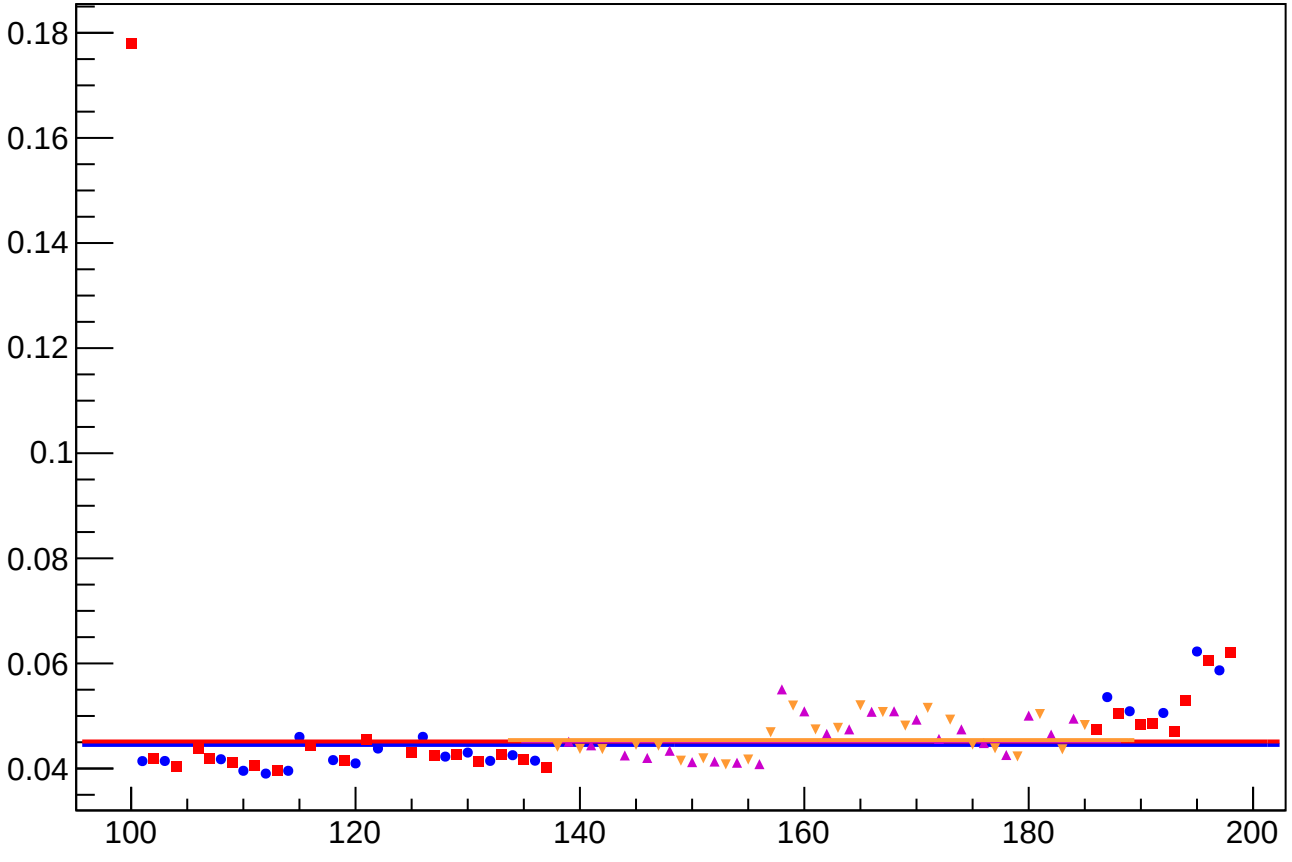
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.185+/-0.000 χ^2/NDF: 26056306369.3/44

All: -25.286+/-0.000 χ^2/NDF: 65201508137.6

- sign -25.381+/-0.000 χ^2/NDF: 38871222392.4/48

yield_dsl_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 368428.6/20

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.045+/-0.000 χ^2/NDF: 478866.5/25

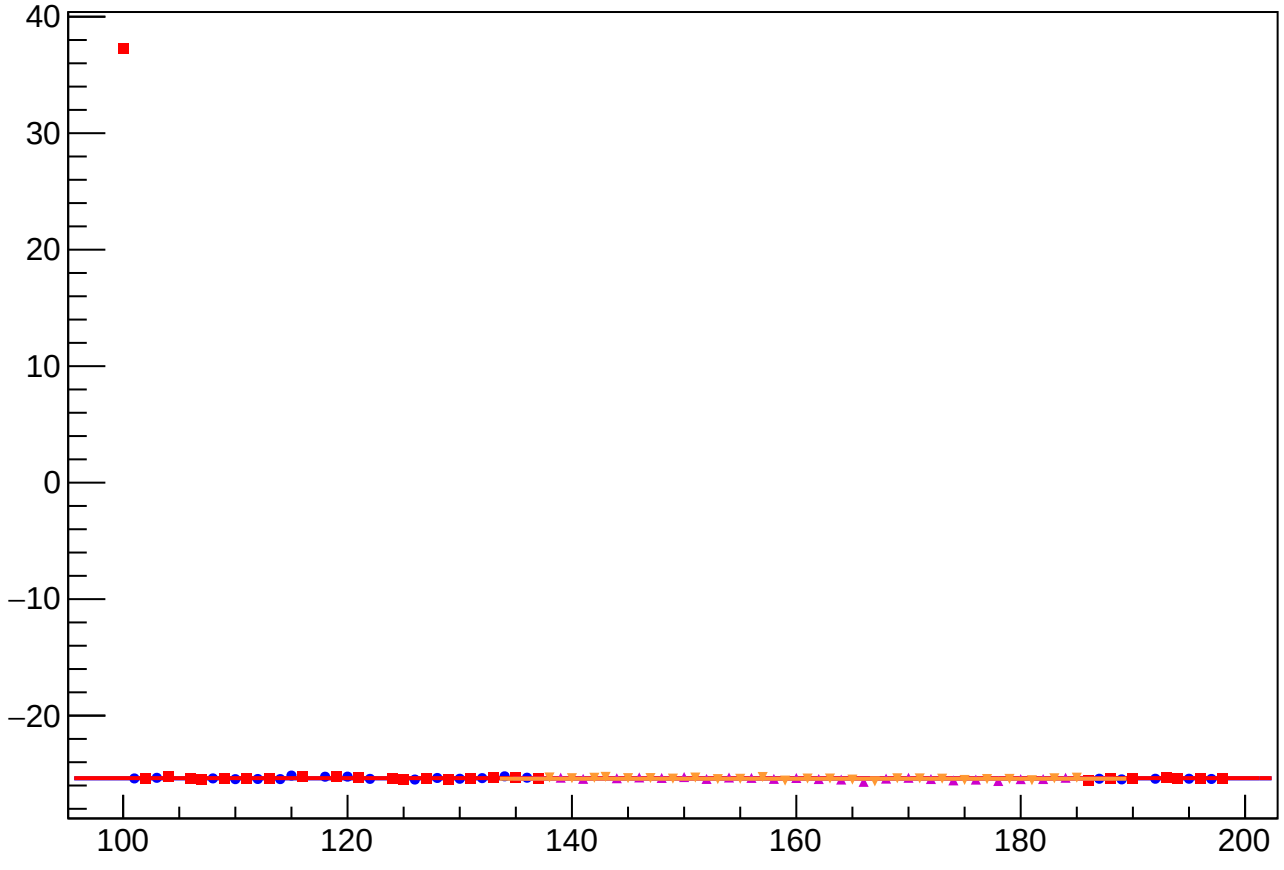
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.045+/-0.000 χ^2/NDF: 579315.2/44

All: 0.045+/-0.000 χ^2/NDF: 1303068.4/93

- sign 0.045+/-0.000 χ^2/NDF: 723567.5/48

yield_dsr_mean vs Slug



Right In: -25.389+/-0.000 χ^2/NDF: 18129968.2/20

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.365+/-0.000 χ^2/NDF: 6329132131.0/25

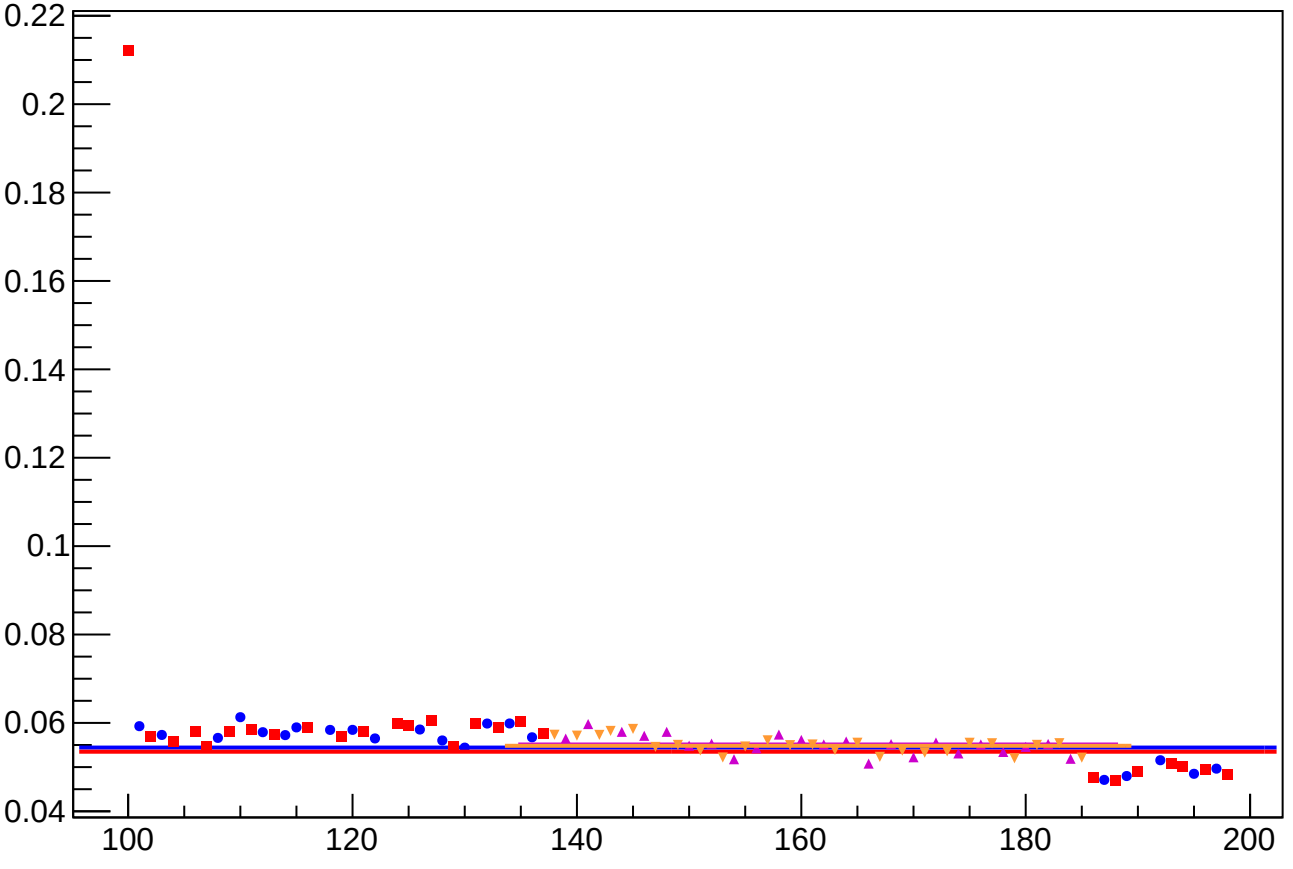
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.407+/-0.000 χ^2/NDF: 72099761.9/45

All: -25.400+/-0.000 χ^2/NDF: 6463769741.1/

- sign -25.394+/-0.000 χ^2/NDF: 6390826958.4/48

yield_dsr_rms vs Slug



Right In: 0.054+/-0.000 χ^2/NDF: 131707.0/20

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.053+/-0.000 χ^2/NDF: 273623.6/25

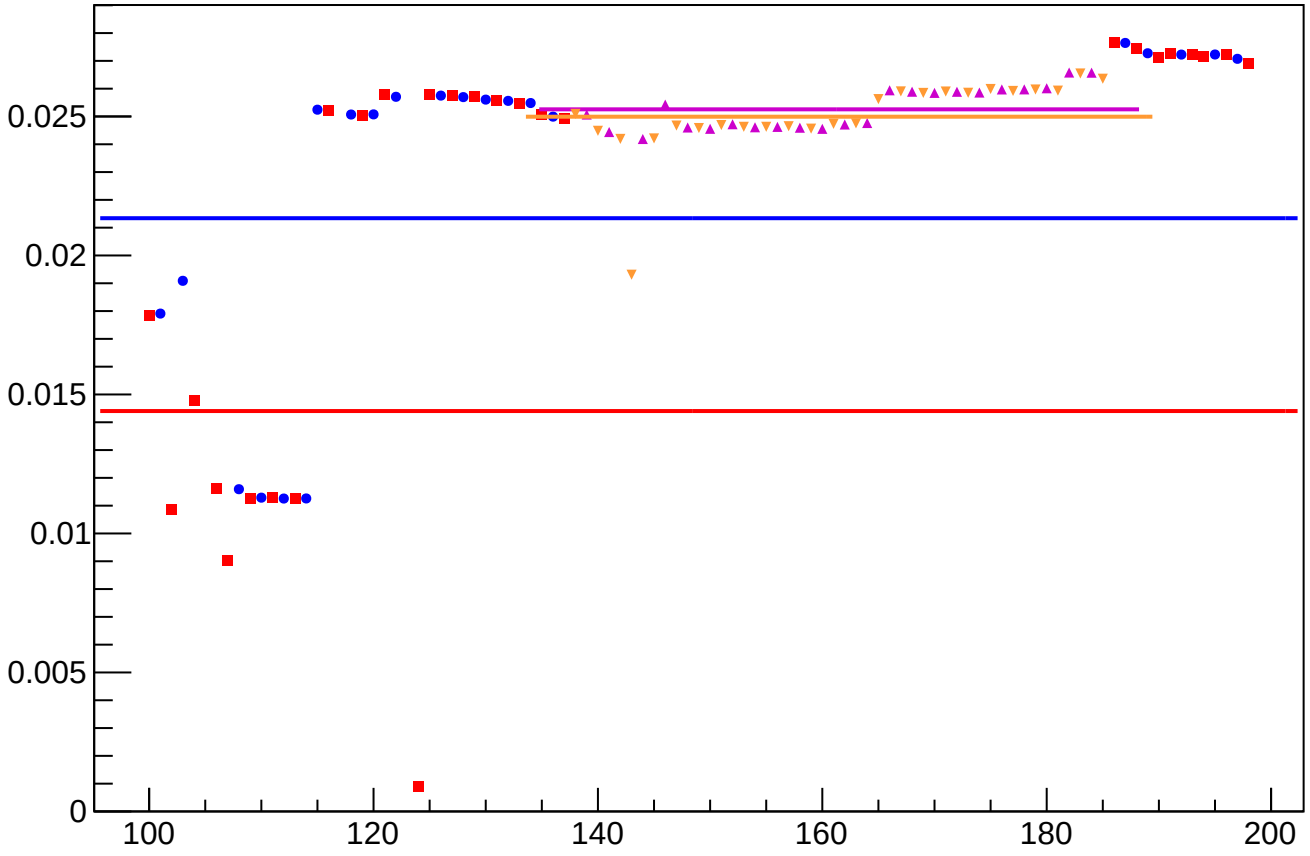
Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.055+/-0.000 χ^2/NDF: 170518.5/45

All: 0.055+/-0.000 χ^2/NDF: 509309.4/94

- sign 0.054+/-0.000 χ^2/NDF: 338157.8/48

yield_atl1_mean vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 78455452161.6/20

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 371900407730.4/26

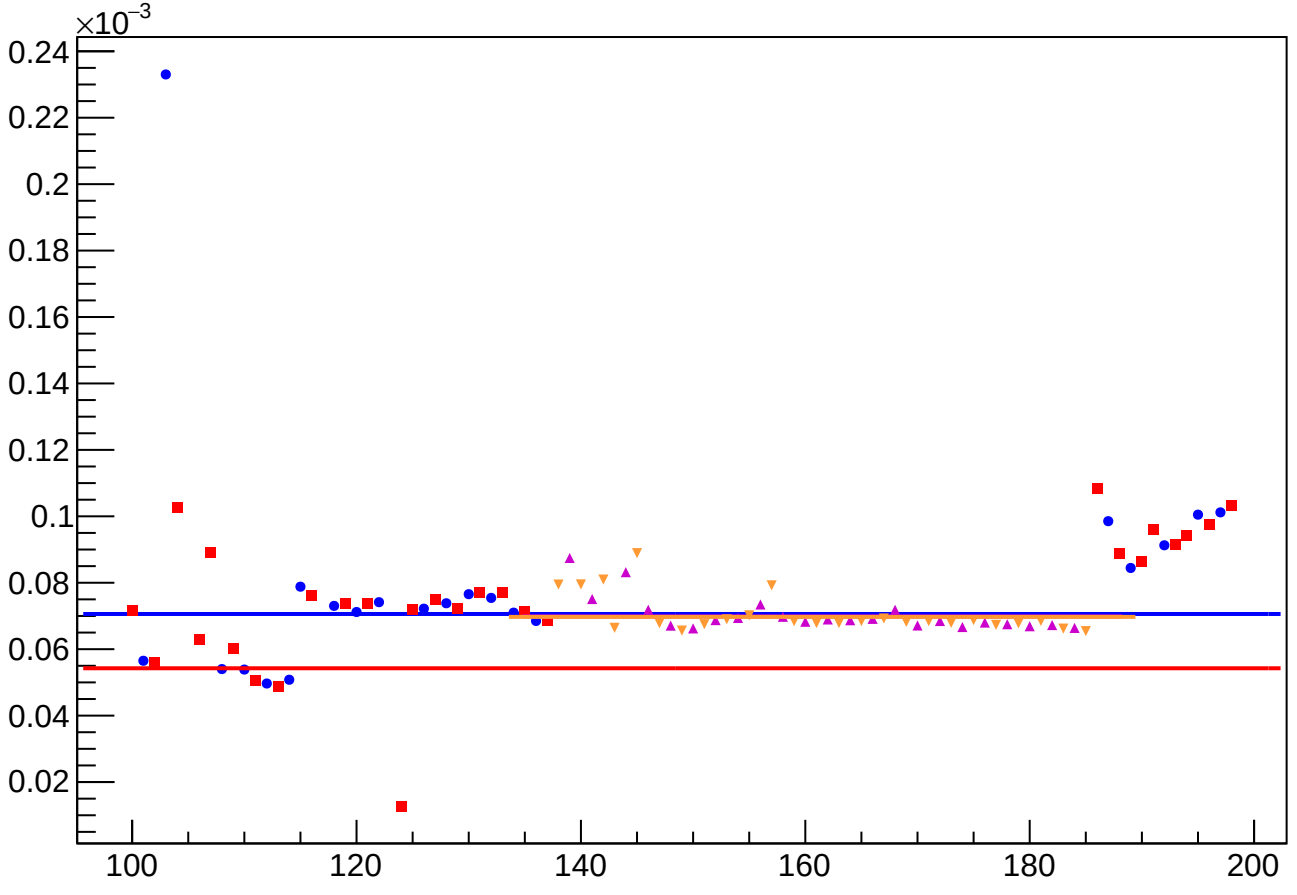
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 103538644709.8/45

All: 0.022+/-0.000 χ^2/NDF: 713862654348.2

- sign 0.020+/-0.000 χ^2/NDF: 572167605421.1/49

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1376583.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6160215.5/26

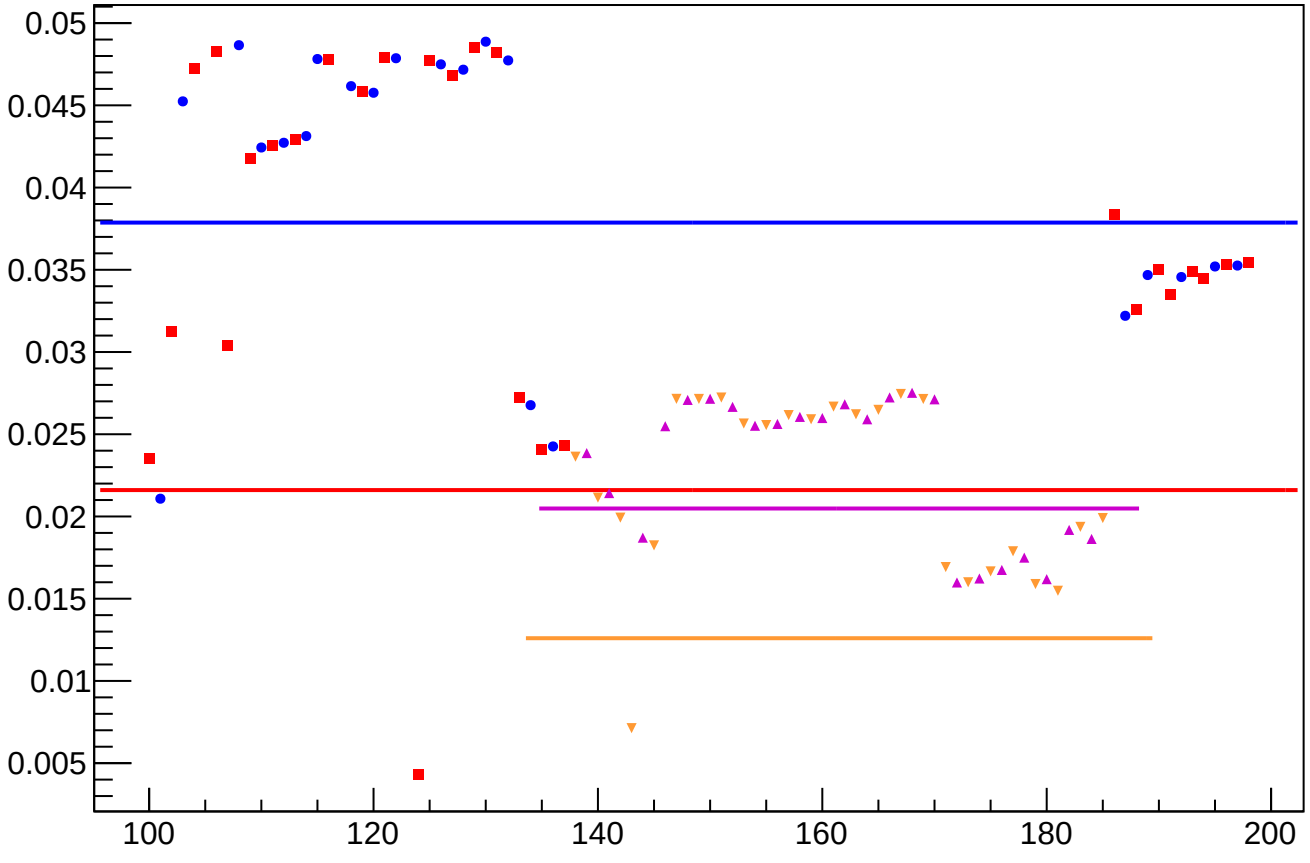
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1566751.7/45

All: 0.000+/-0.000 χ^2/NDF: 9033914.8/95

- sign 0.000+/-0.000 χ^2/NDF: 7134088.0/49

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7201019263.2/20

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

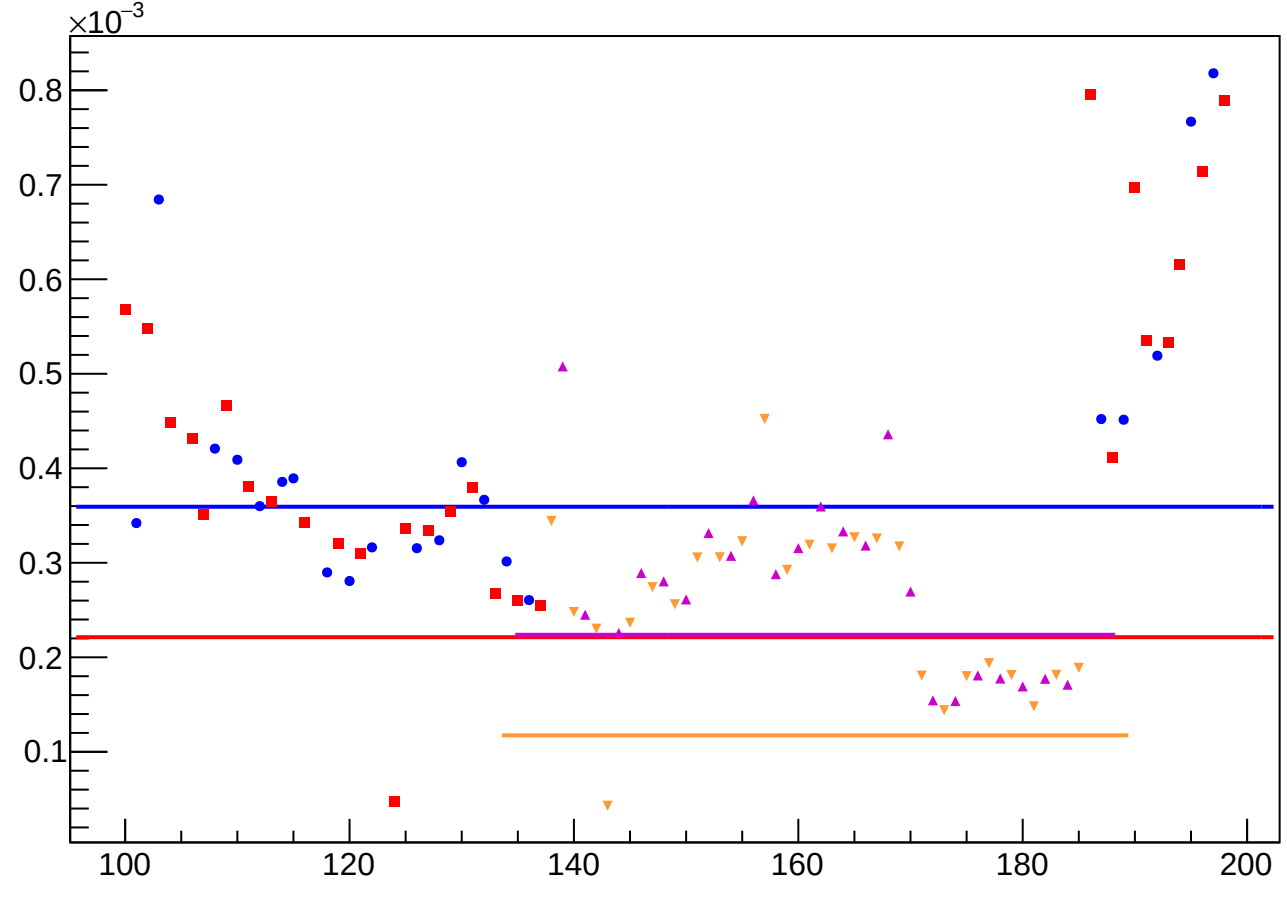
Right Out: 0.022+/-0.000 χ^2/NDF: 44918658831.7/26

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 84594699865.4/45

All: 0.017+/-0.000 χ^2/NDF: 146492580771.7

- sign 0.021+/-0.000 χ^2/NDF: 51136996415.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 1877188.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

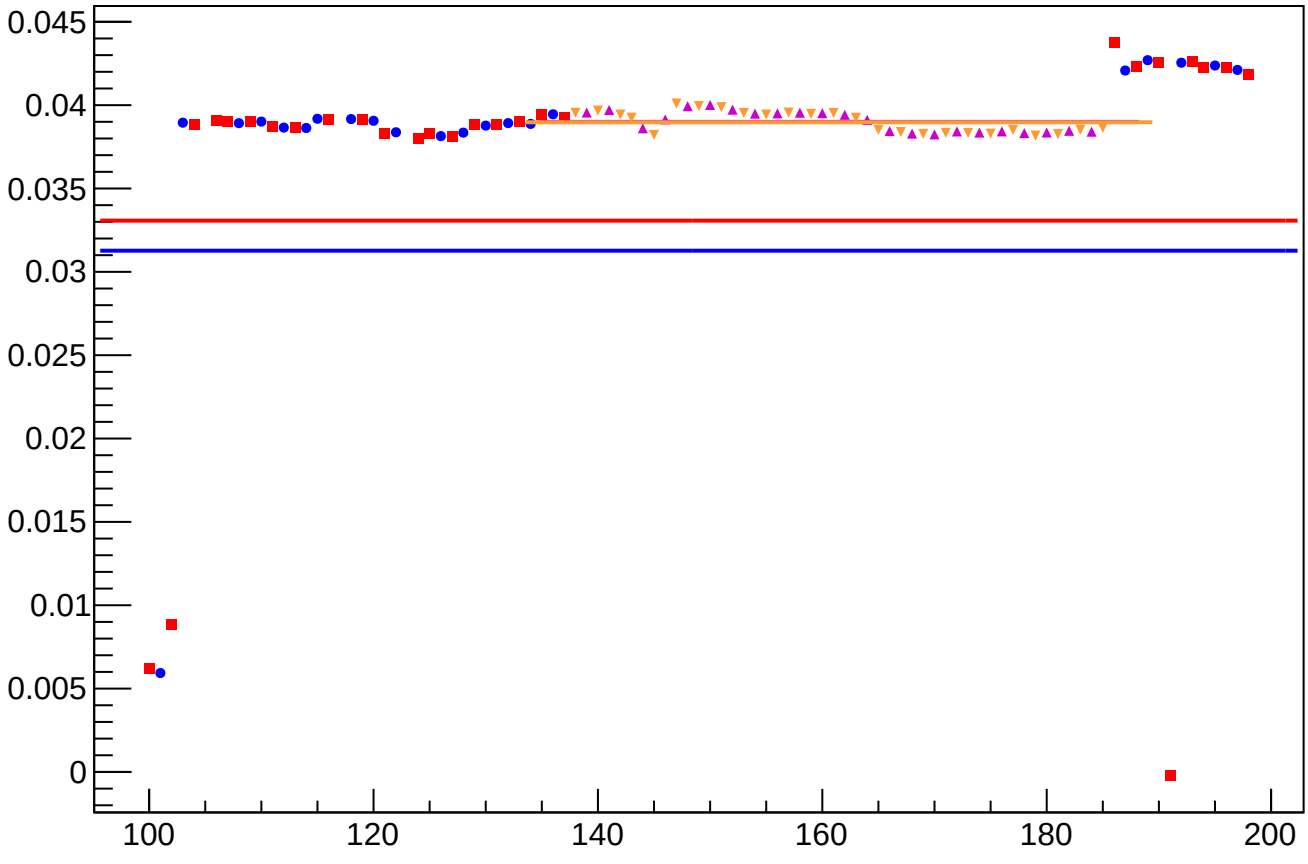
Right Out: 0.000+/-0.000 χ^2/NDF: 10151877.6/26

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 23606757.0/45

All: 0.000+/-0.000 χ^2/NDF: 41327067.3/95

- sign 0.000+/-0.000 χ^2/NDF: 13541322.9/49



Right In: 0.031+/-0.000 χ^2/NDF: 116468745257.9/20

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

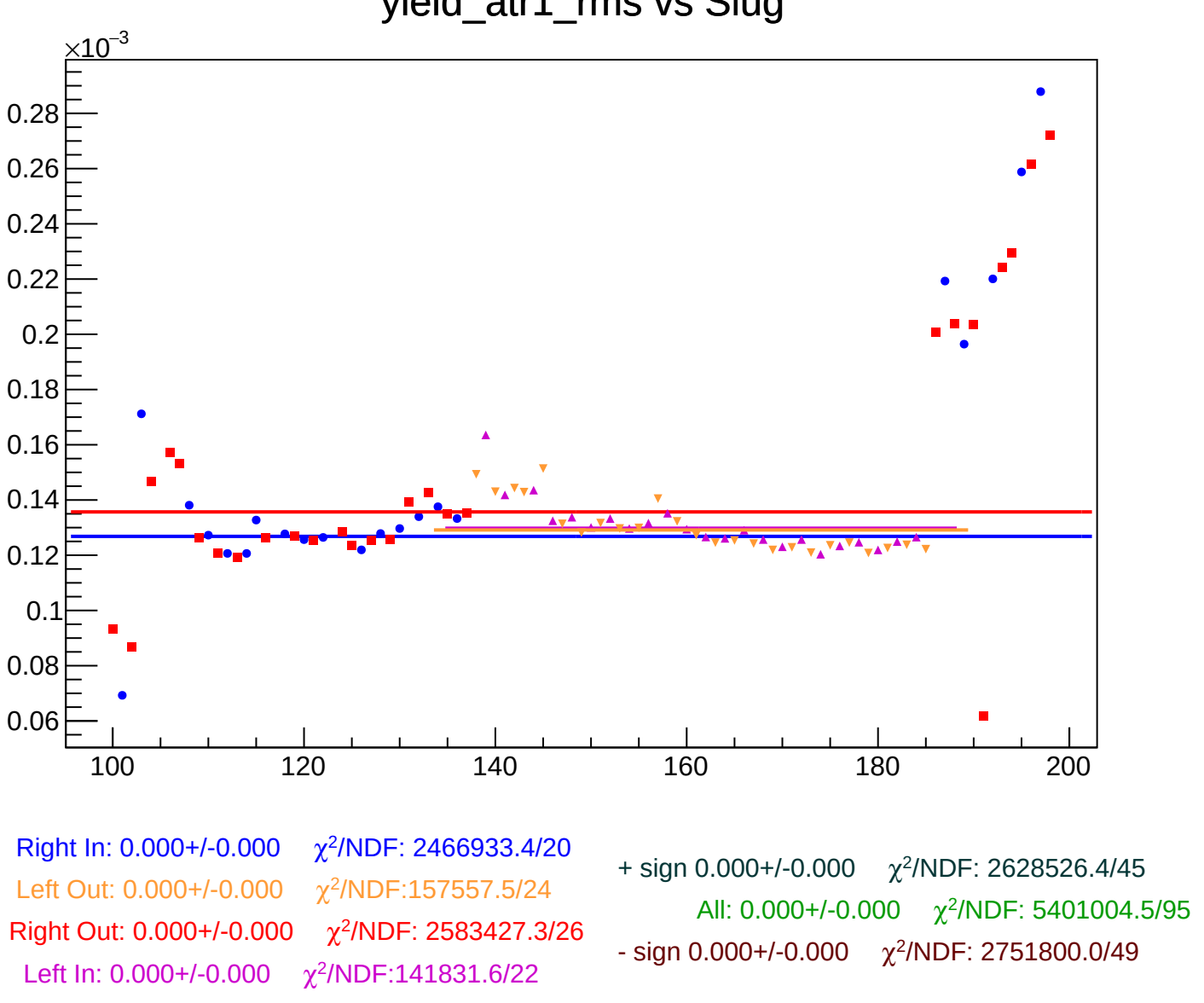
Right Out: 0.033+/-0.000 χ^2/NDF: 112124810634.0/26

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

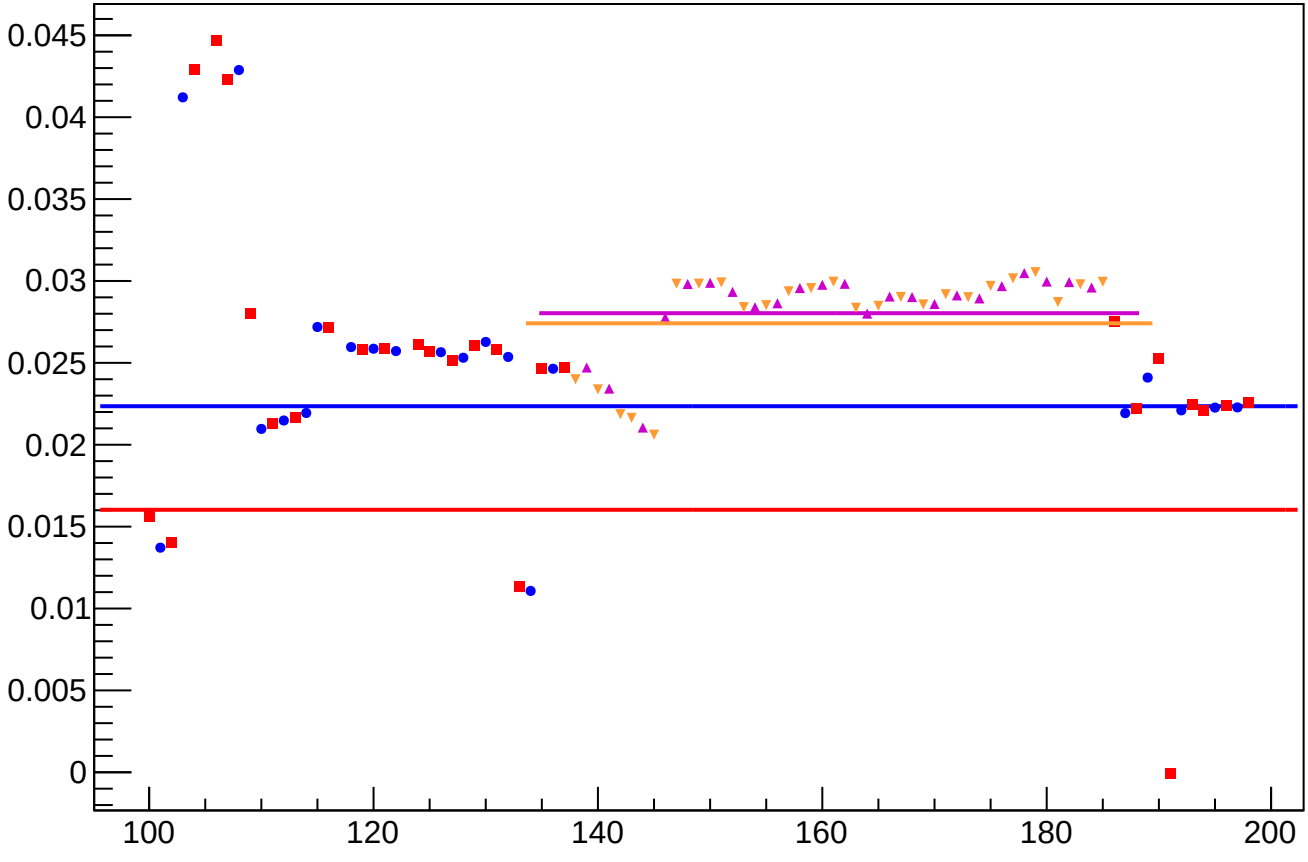
+ sign 0.036+/-0.000 χ^2/NDF: 139338988535.6/45

All: 0.037+/-0.000 χ^2/NDF: 265376936828.5

- sign 0.037+/-0.000 χ^2/NDF: 125849931438.6/49


yield_atr1_rms vs Slug
×10⁻³
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2466933.4/20
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2583427.3/26
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
+ sign 0.000+/-0.000 χ²/NDF: 2628526.4/45
All: 0.000+/-0.000 χ²/NDF: 5401004.5/95
- sign 0.000+/-0.000 χ²/NDF: 2751800.0/49

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5024458559.2/20

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

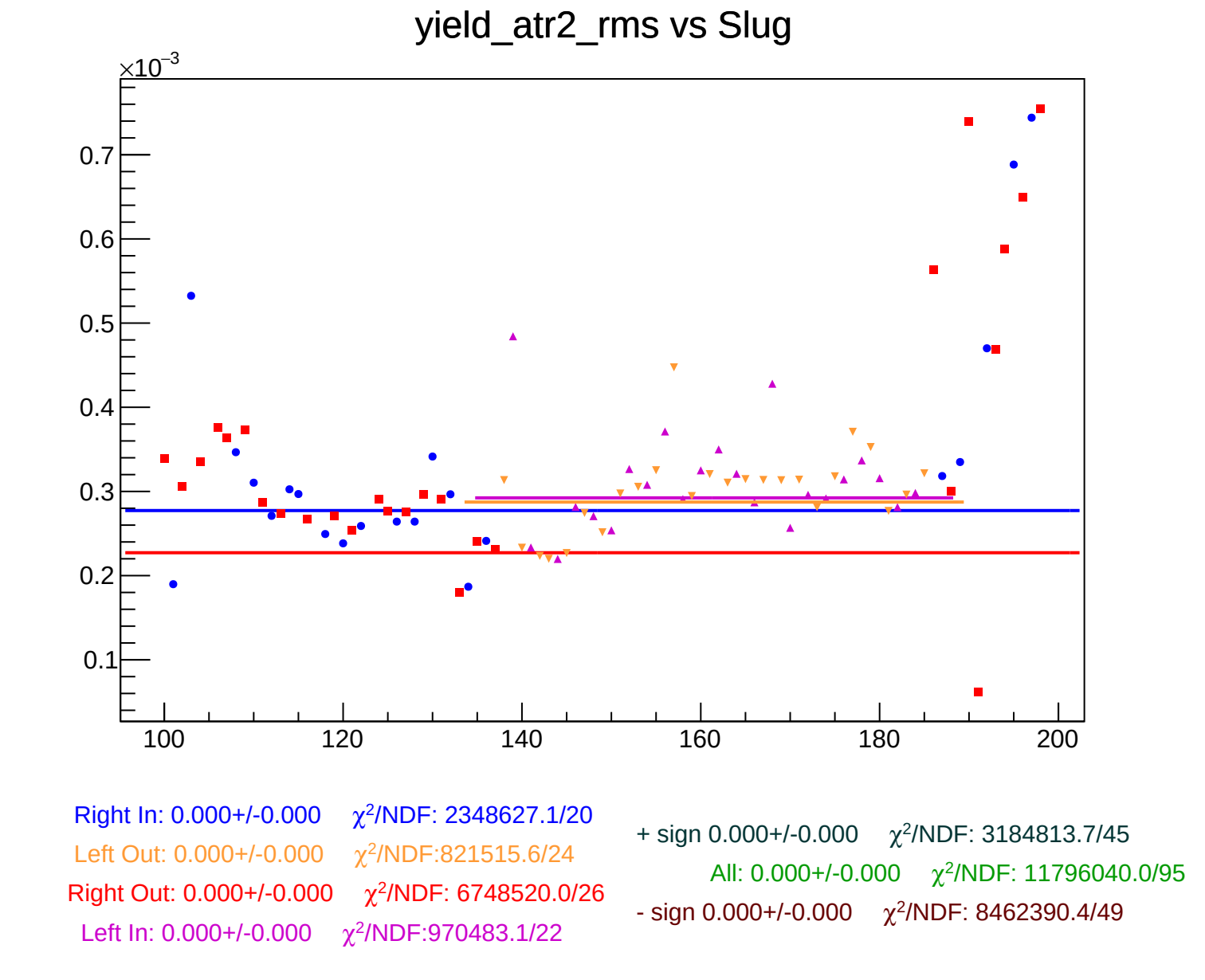
Right Out: 0.016+/-0.000 χ^2/NDF: 24987559183.8/26

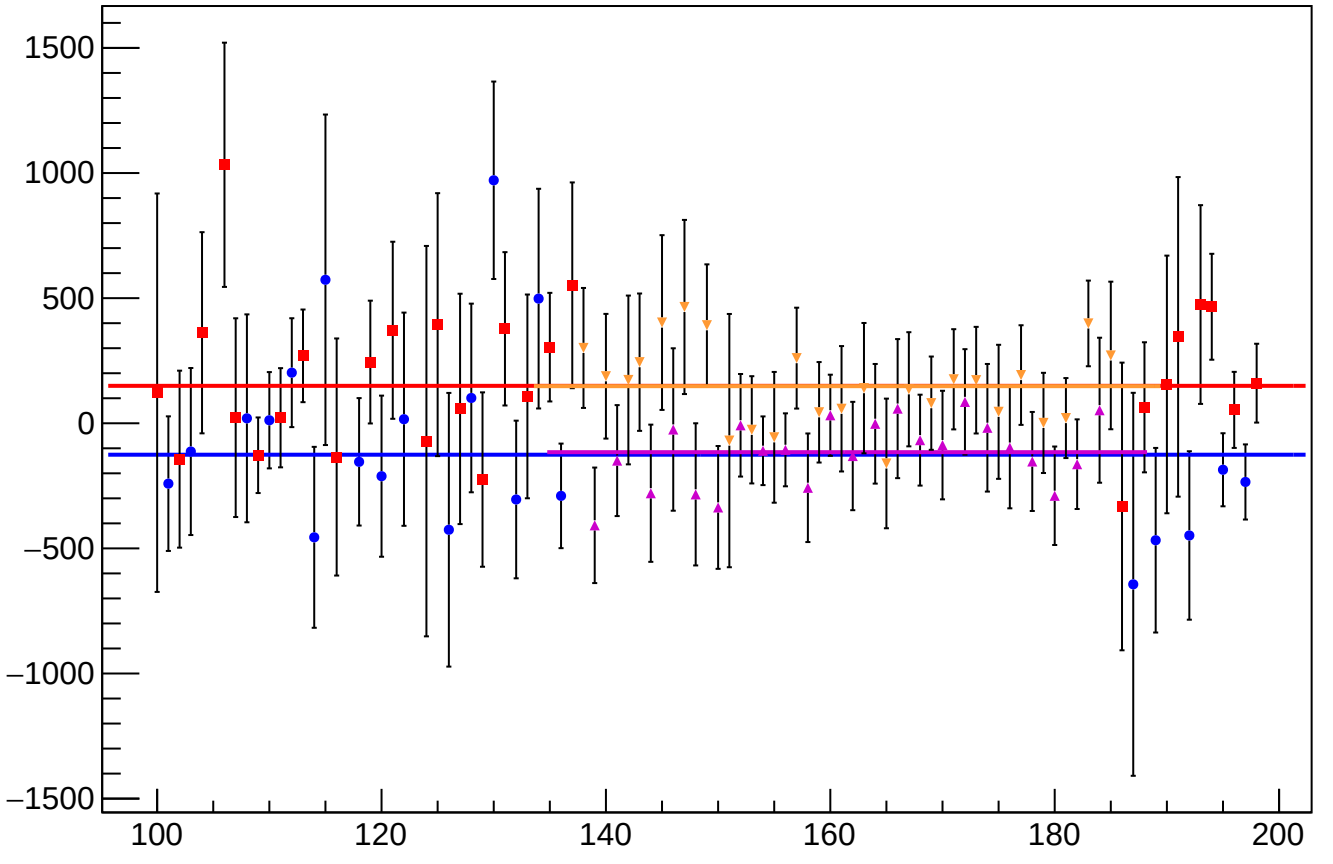
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9116286513.4/45

All: 0.024+/-0.000 χ^2/NDF: 49780674115.0/9

- sign 0.023+/-0.000 χ^2/NDF: 39088623314.9/49


yield_atr2_rms vs Slug
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2348627.1/20
Left Out: 0.000+/-0.000 χ²/NDF:821515.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6748520.0/26
Left In: 0.000+/-0.000 χ²/NDF:970483.1/22
+ sign 0.000+/-0.000 χ²/NDF: 3184813.7/45
All: 0.000+/-0.000 χ²/NDF: 11796040.0/95
- sign 0.000+/-0.000 χ²/NDF: 8462390.4/49



Right In: -125.626+/-59.612 χ^2/NDF: 19.5/20

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 149.611+/-53.287 χ^2/NDF: 17.2/26

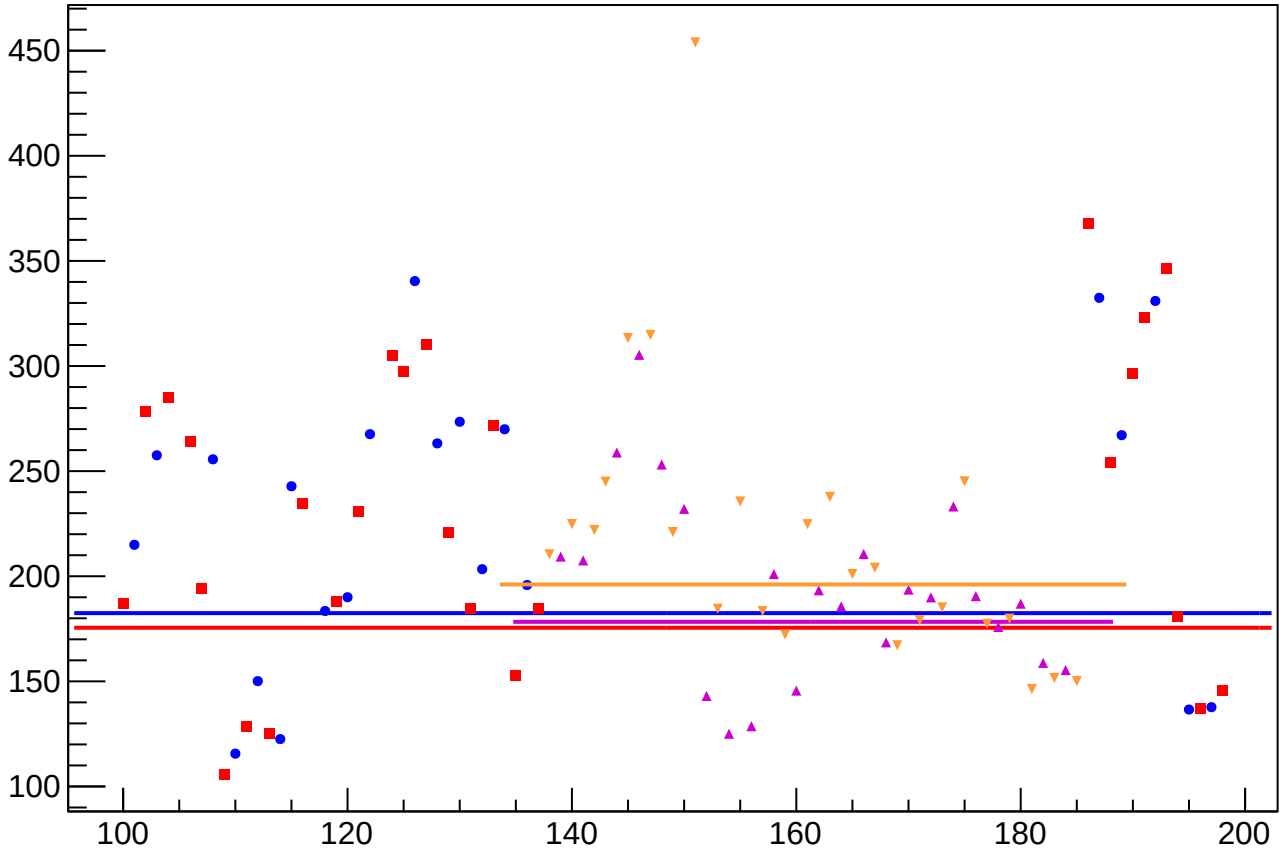
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 45.439+/-36.527 χ^2/NDF: 43.1/45

All: 15.907+/-24.780 χ^2/NDF: 84.1/95

- sign -9.275+/-33.729 χ^2/NDF: 39.8/49

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.457+/-0.042 χ^2/NDF: 2038659.1/20

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

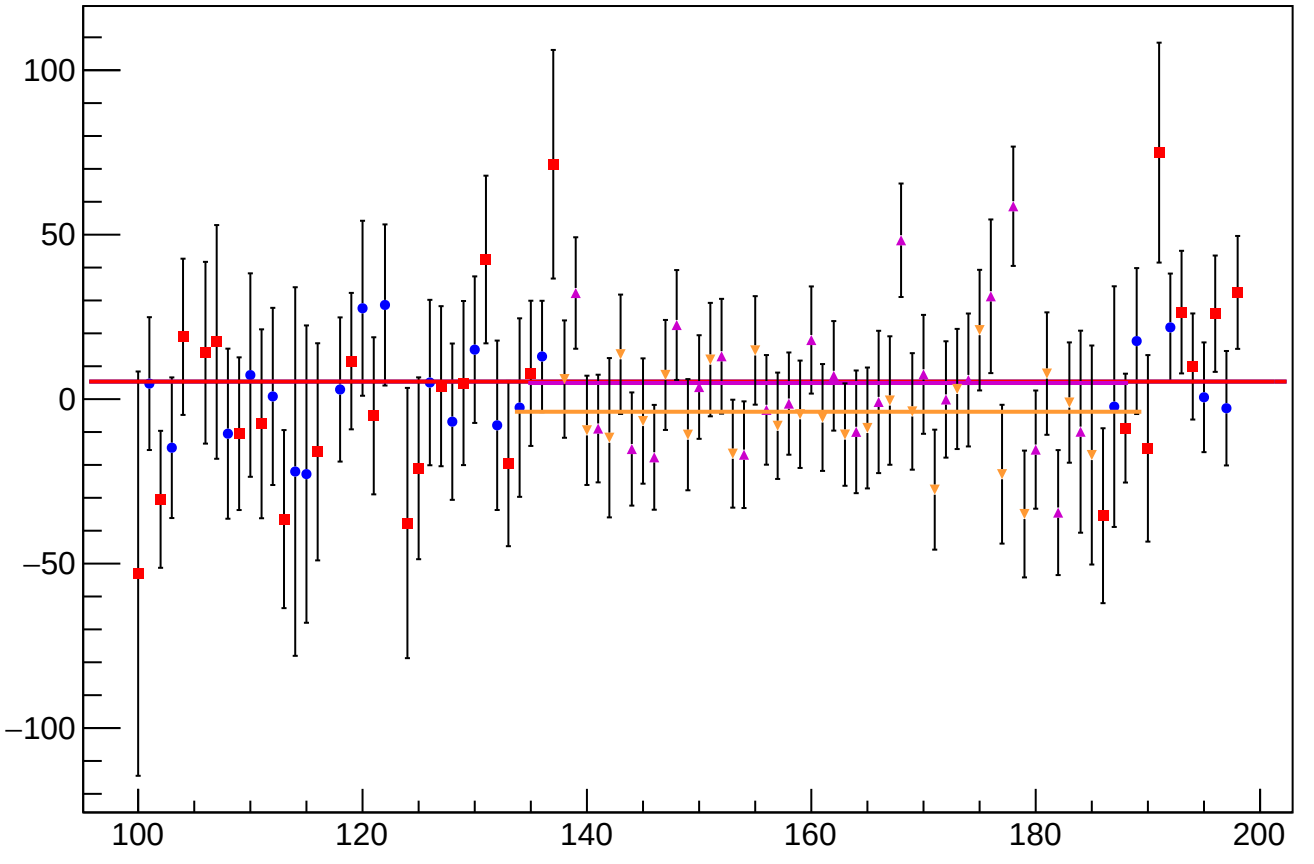
Right Out: 175.506+/-0.038 χ^2/NDF: 2860025.8/26

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 190.969+/-0.026 χ^2/NDF: 3922451.9/45

All: 183.533+/-0.018 χ^2/NDF: 8617754.7/95

- sign 177.191+/-0.024 χ^2/NDF: 4541701.0/49



Right In: 5.335+/-5.021 χ^2/NDF: 6.2/20

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

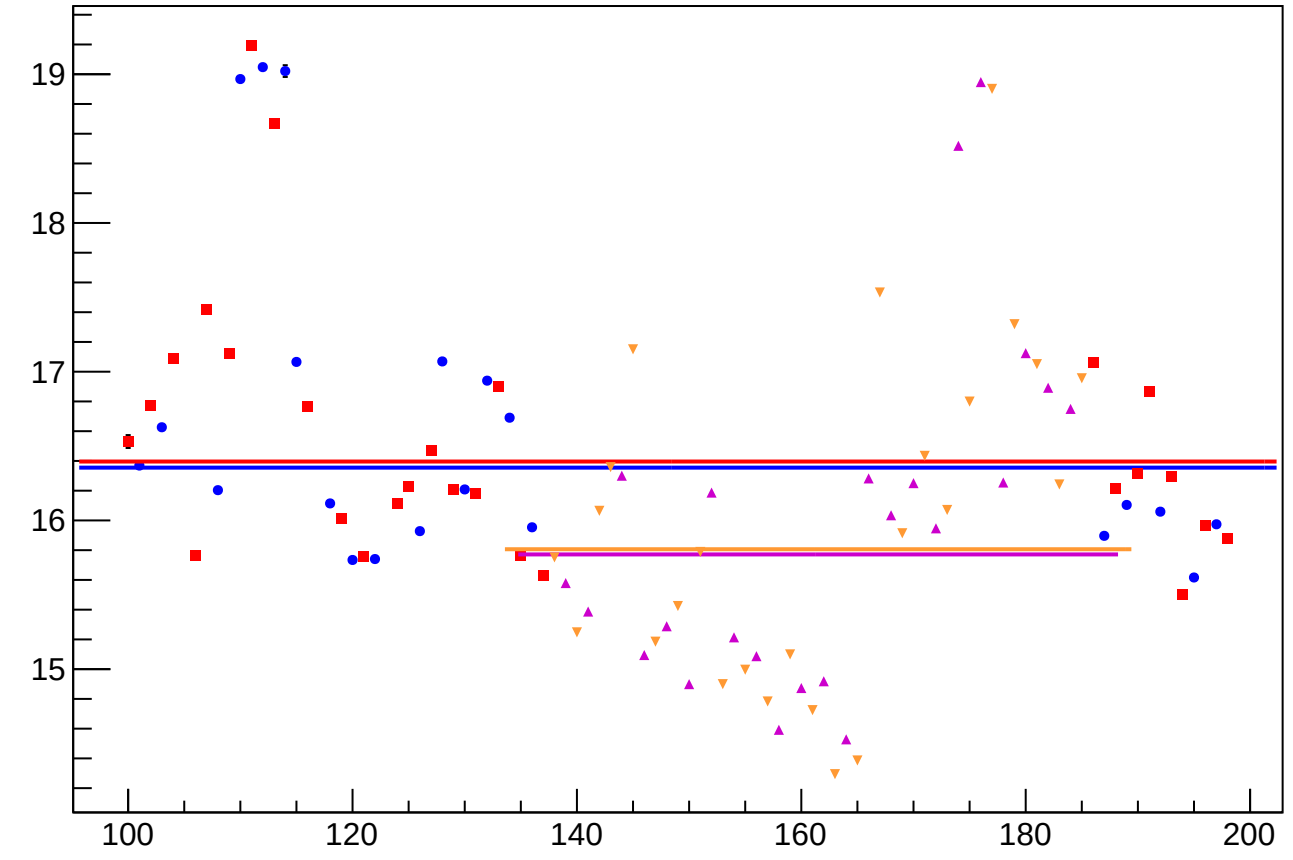
Right Out: 5.343+/-4.583 χ^2/NDF: 30.0/26

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign -0.718+/-2.927 χ^2/NDF: 21.3/45

All: 2.229+/-2.052 χ^2/NDF: 87.2/95

- sign 5.077+/-2.877 χ^2/NDF: 63.9/49



Right In: 16.355+/-0.004 χ^2/NDF: 53307.0/20

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

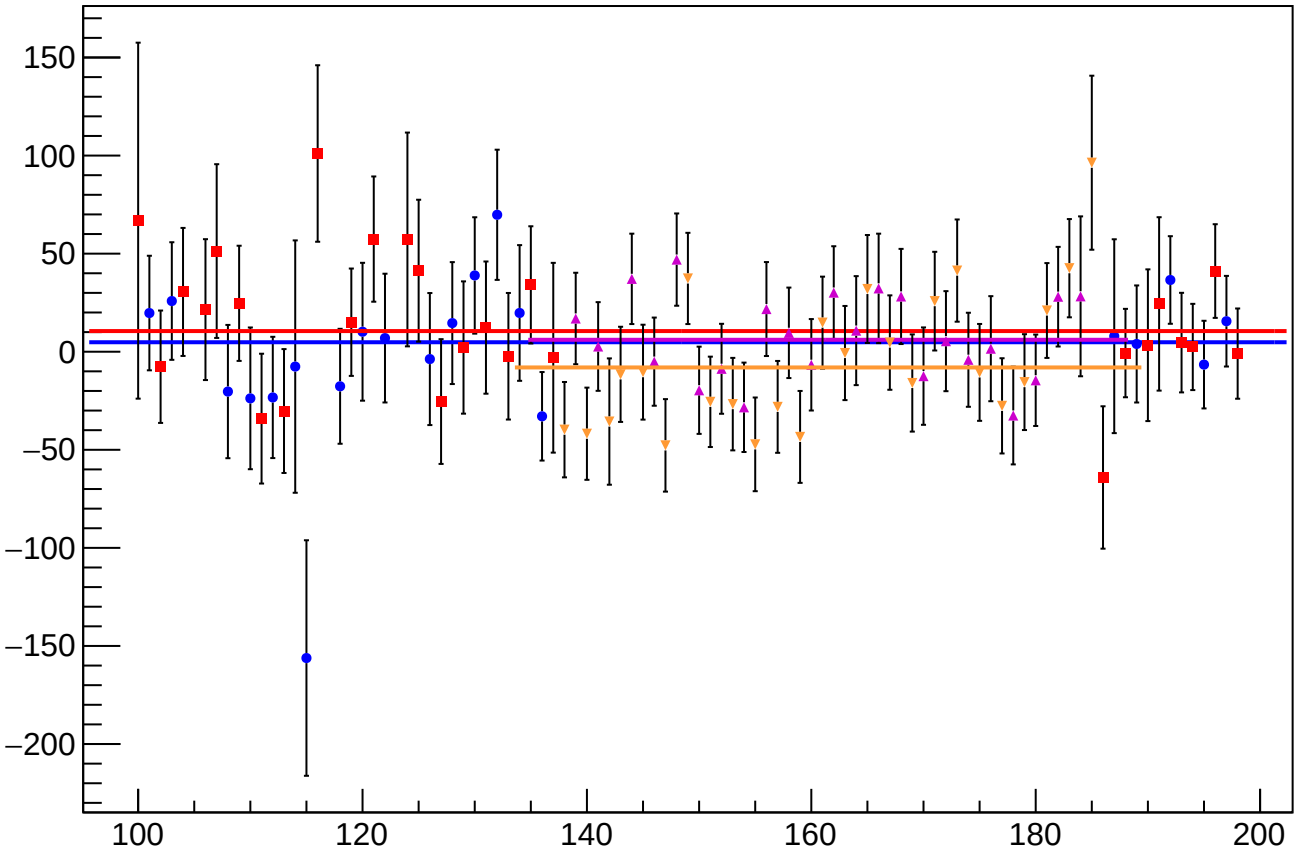
Right Out: 16.396+/-0.003 χ^2/NDF: 57466.2/26

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 15.993+/-0.002 χ^2/NDF: 241724.0/45

All: 16.005+/-0.001 χ^2/NDF: 473911.2/95

\- sign 16.017+/-0.002 χ^2/NDF: 232114.7/49



Right In: 4.830+/-6.657 χ^2/NDF: 21.4/20

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

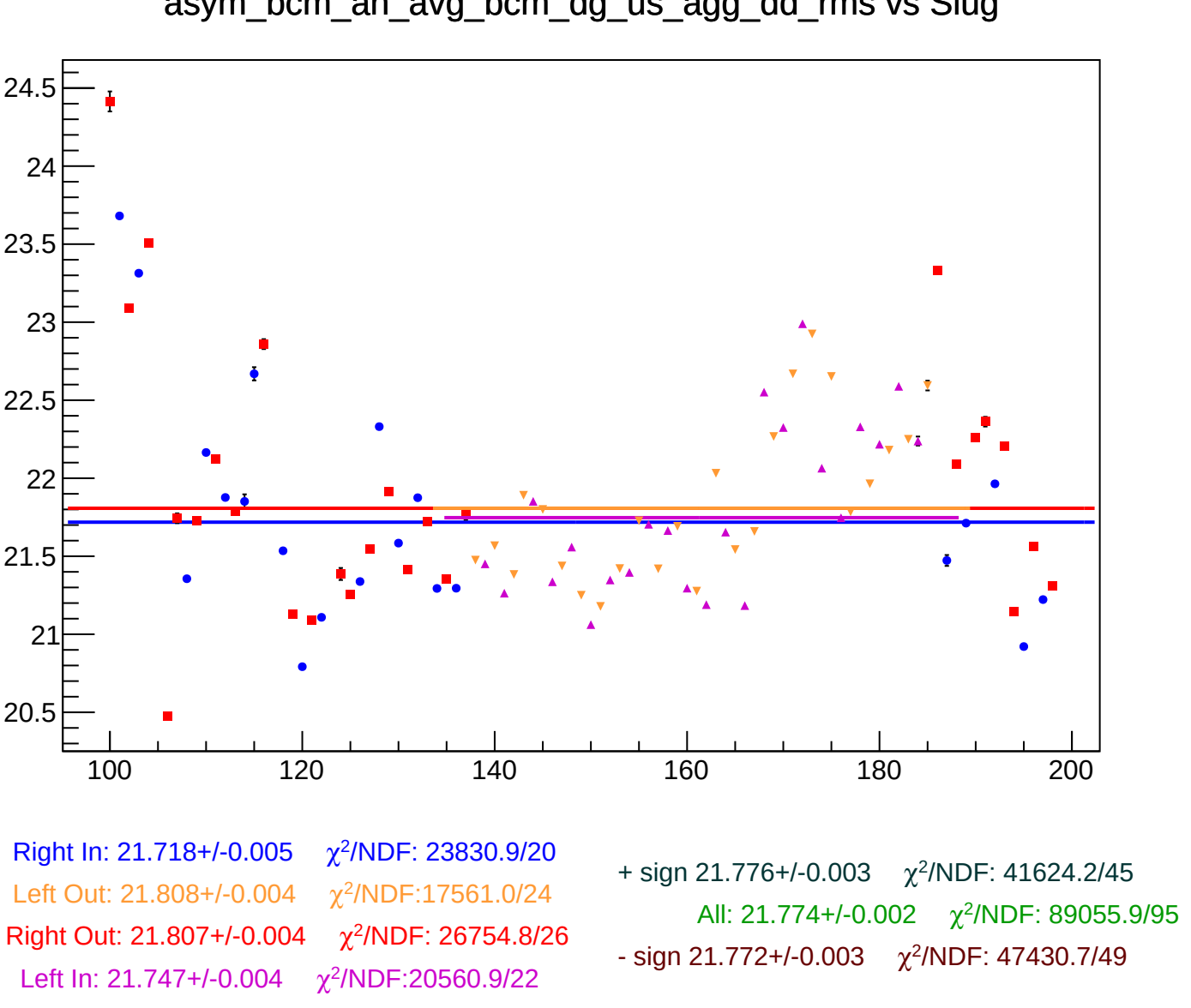
Right Out: 10.529+/-6.088 χ^2/NDF: 22.4/26

Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -3.435+/-3.975 χ^2/NDF: 62.6/45

All: 2.345+/-2.784 χ^2/NDF: 107.4/95

\- sign 7.910+/-3.900 χ^2/NDF: 40.6/49


asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug
24.5
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23
22.5
22
21.5
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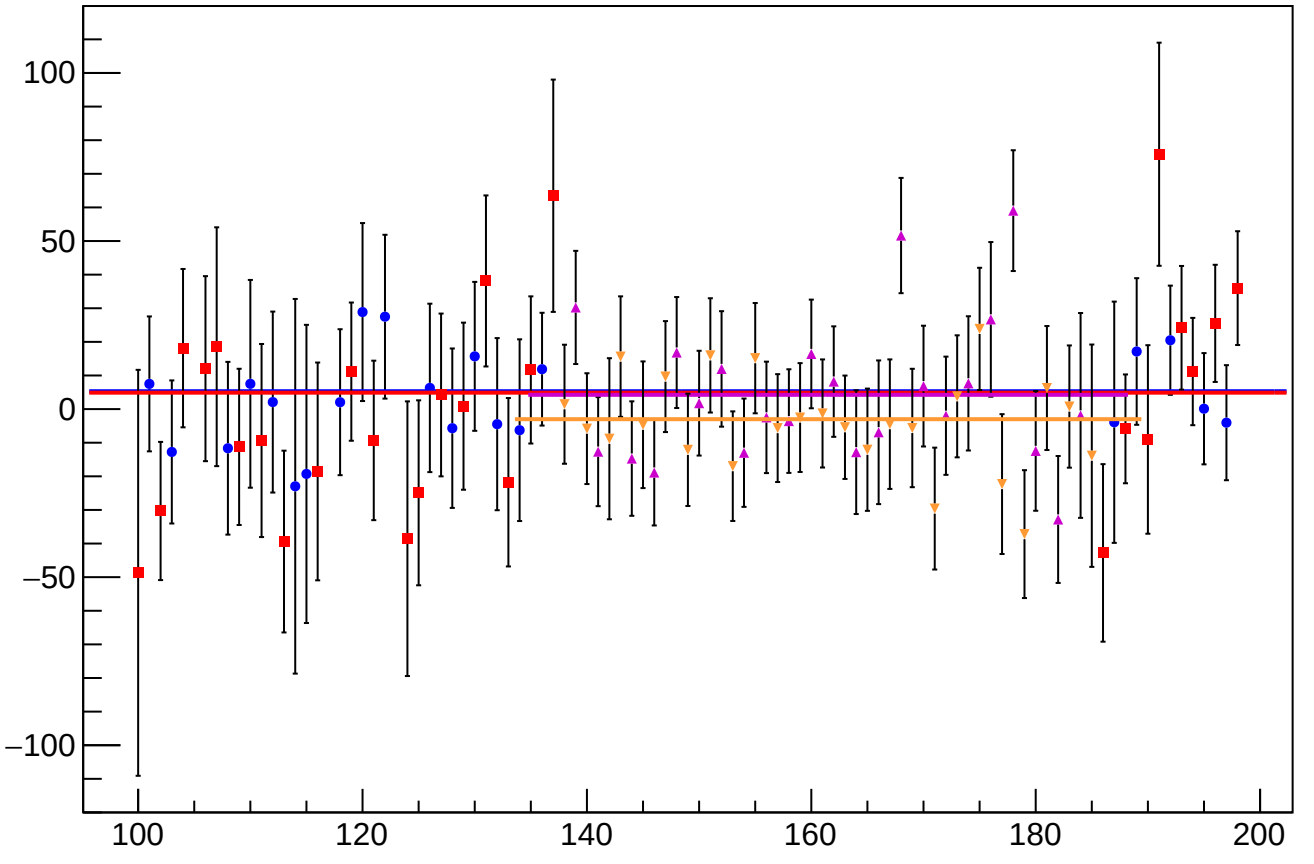
180
200
Right In: 21.718+/-0.005 χ²/NDF: 23830.9/20
Left Out: 21.808+/-0.004 χ²/NDF:17561.0/24
Right Out: 21.807+/-0.004 χ²/NDF: 26754.8/26
Left In: 21.747+/-0.004 χ²/NDF:20560.9/22
+ sign 21.776+/-0.003 χ²/NDF: 41624.2/45
All: 21.774+/-0.002 χ²/NDF: 89055.9/95
- sign 21.772+/-0.003 χ²/NDF: 47430.7/49



Right In: 5.317+/-4.982 χ^2/NDF: 5.9/20

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

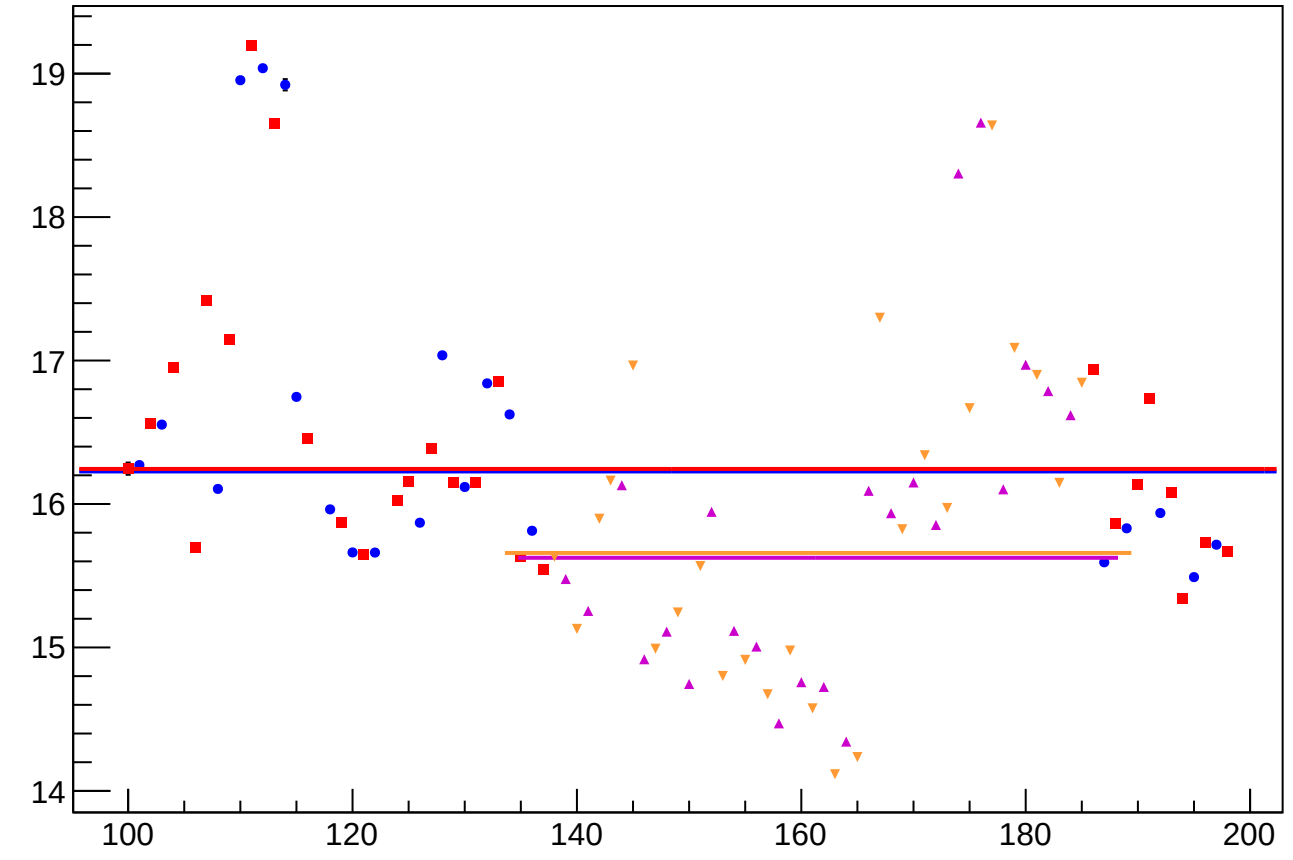
Right Out: 4.889+/-4.542 χ^2/NDF: 31.3/26

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -0.181+/-2.901 χ^2/NDF: 22.4/45

All: 2.201+/-2.033 χ^2/NDF: 88.9/95

- sign 4.501+/-2.850 χ^2/NDF: 65.2/49



Right In: 16.227+/-0.004 χ^2/NDF: 58388.4/20

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

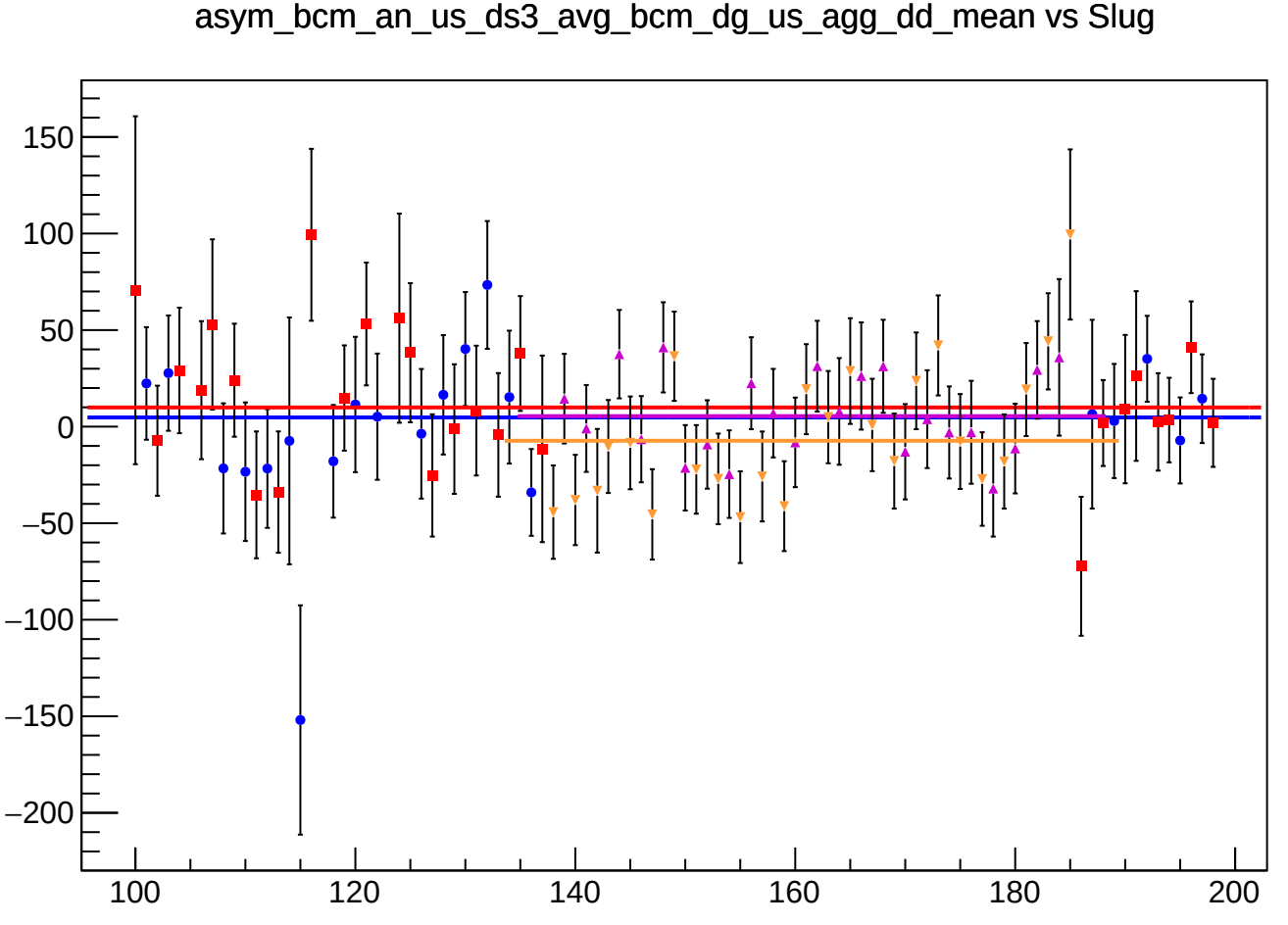
Right Out: 16.244+/-0.003 χ^2/NDF: 64498.3/26

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.851+/-0.002 χ^2/NDF: 245404.3/45

All: 15.860+/-0.001 χ^2/NDF: 482911.7/95

\- sign 15.869+/-0.002 χ^2/NDF: 237470.8/49



Right In: 4.748+/-6.625 χ^2/NDF: 21.9/20

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

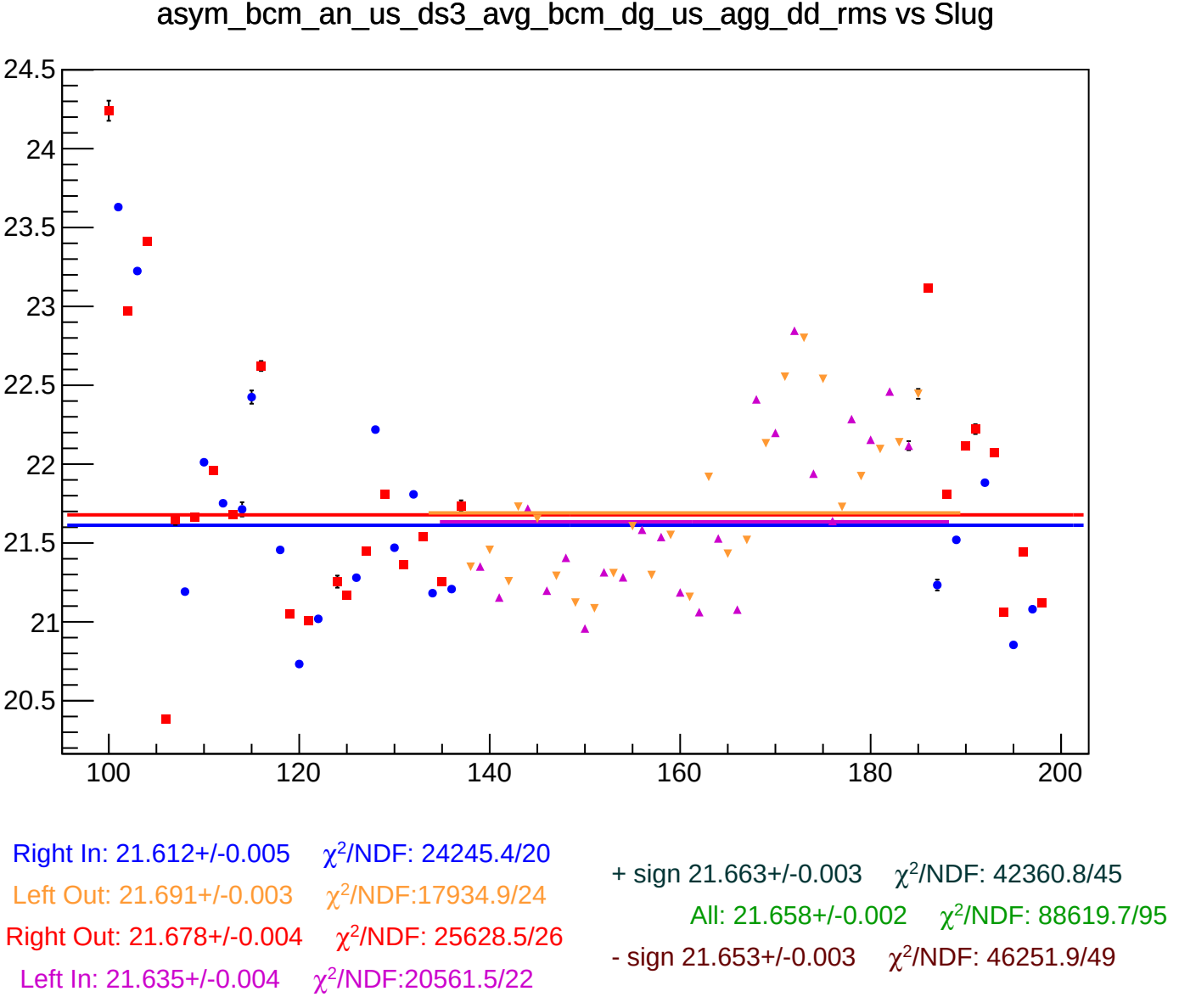
Right Out: 9.942+/-6.052 χ^2/NDF: 23.7/26

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

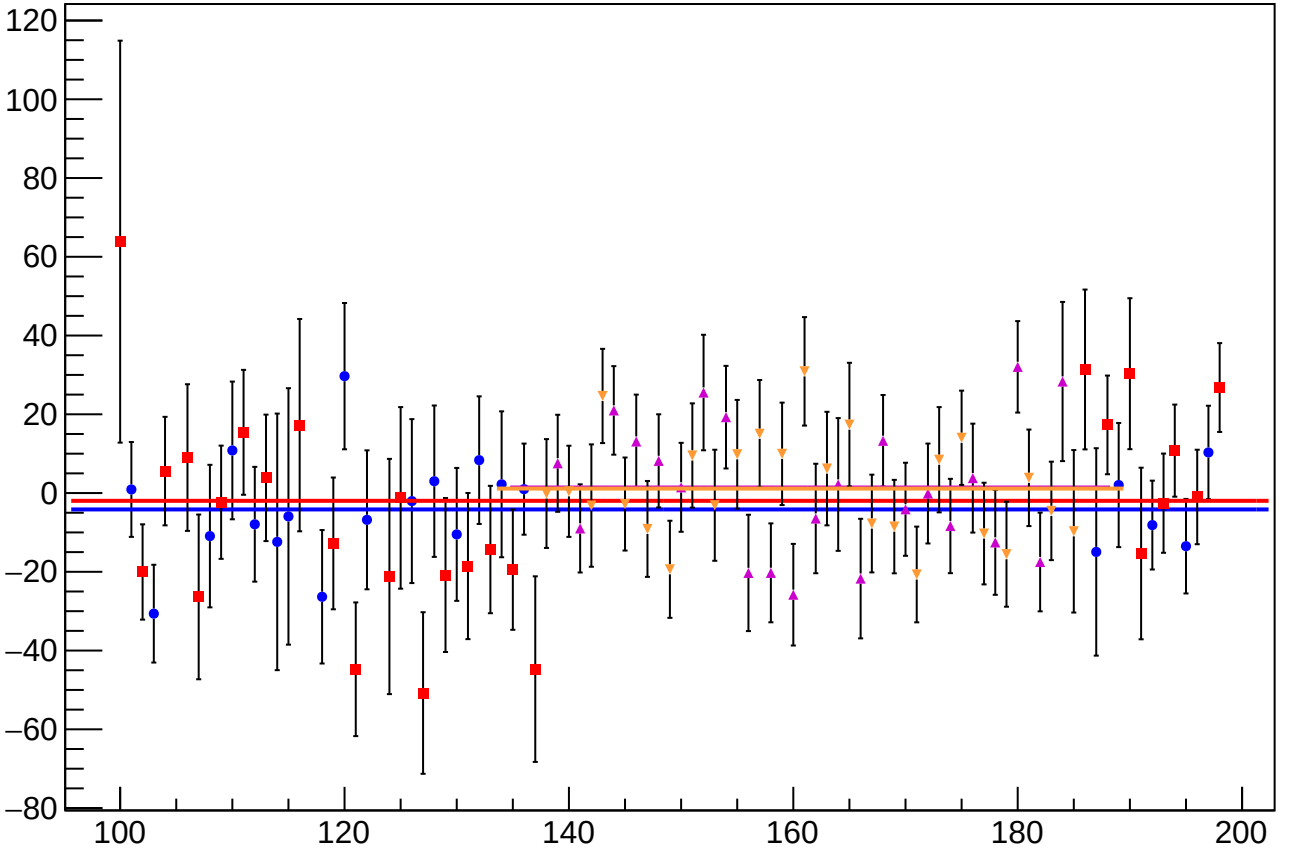
+ sign -3.018+/-3.955 χ^2/NDF: 62.7/45

All: 2.234+/-2.769 χ^2/NDF: 107.4/95

- sign 7.287+/-3.879 χ^2/NDF: 41.3/49


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug
24.5
24
23.5
23
22.5
22
21.5
21
20.5
100
120
140
160
180
200
Right In: 21.612+/-0.005 χ²/NDF: 24245.4/20
Left Out: 21.691+/-0.003 χ²/NDF:17934.9/24
Right Out: 21.678+/-0.004 χ²/NDF: 25628.5/26
Left In: 21.635+/-0.004 χ²/NDF:20561.5/22
+ sign 21.663+/-0.003 χ²/NDF: 42360.8/45
All: 21.658+/-0.002 χ²/NDF: 88619.7/95
- sign 21.653+/-0.003 χ²/NDF: 46251.9/49

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.163+/-3.411 χ^2/NDF: 14.5/20

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -1.974+/-3.137 χ^2/NDF: 43.5/26

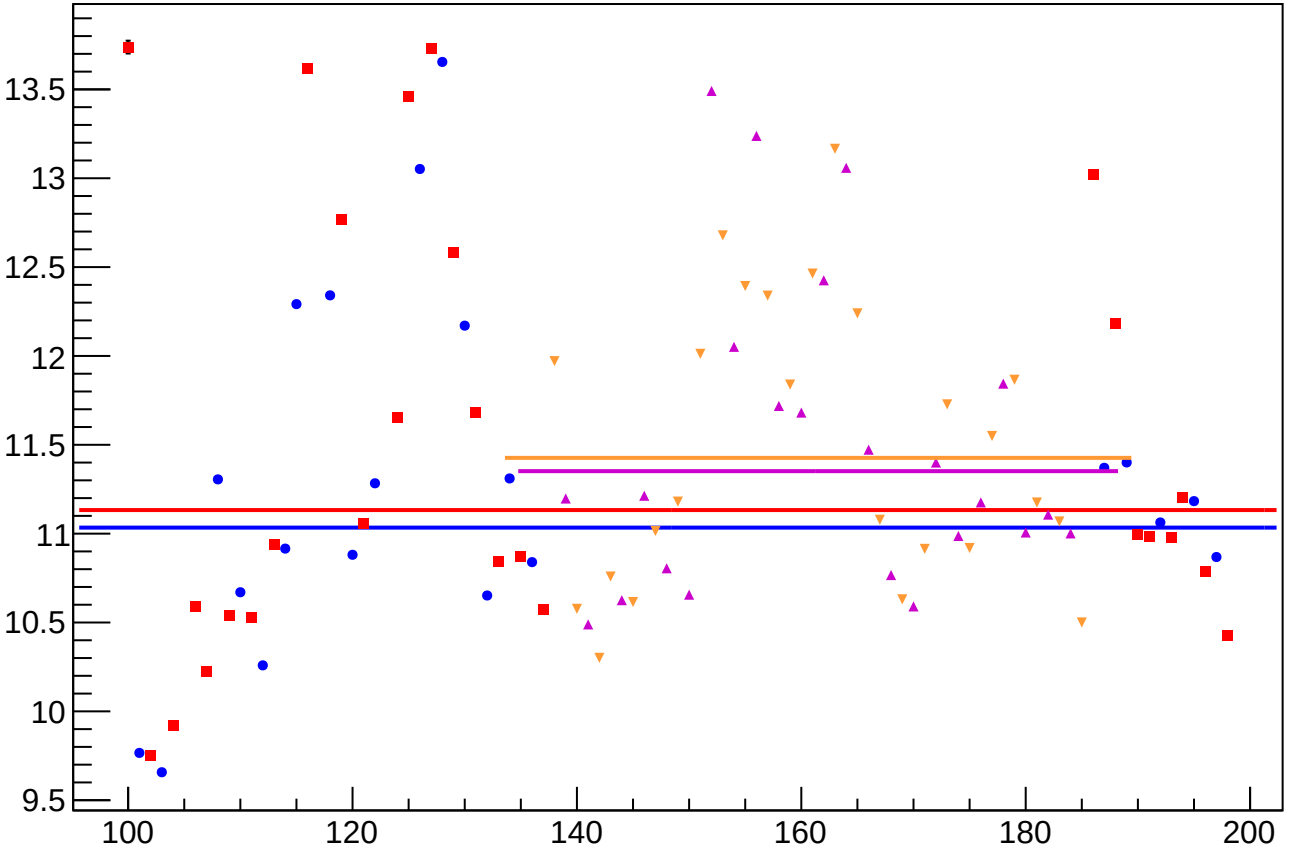
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.830+/-2.078 χ^2/NDF: 40.6/45

All: -0.414+/-1.454 χ^2/NDF: 121.1/95

- sign -0.016+/-2.035 χ^2/NDF: 80.5/49

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.034+/-0.002 χ^2/NDF: 138422.0/20

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

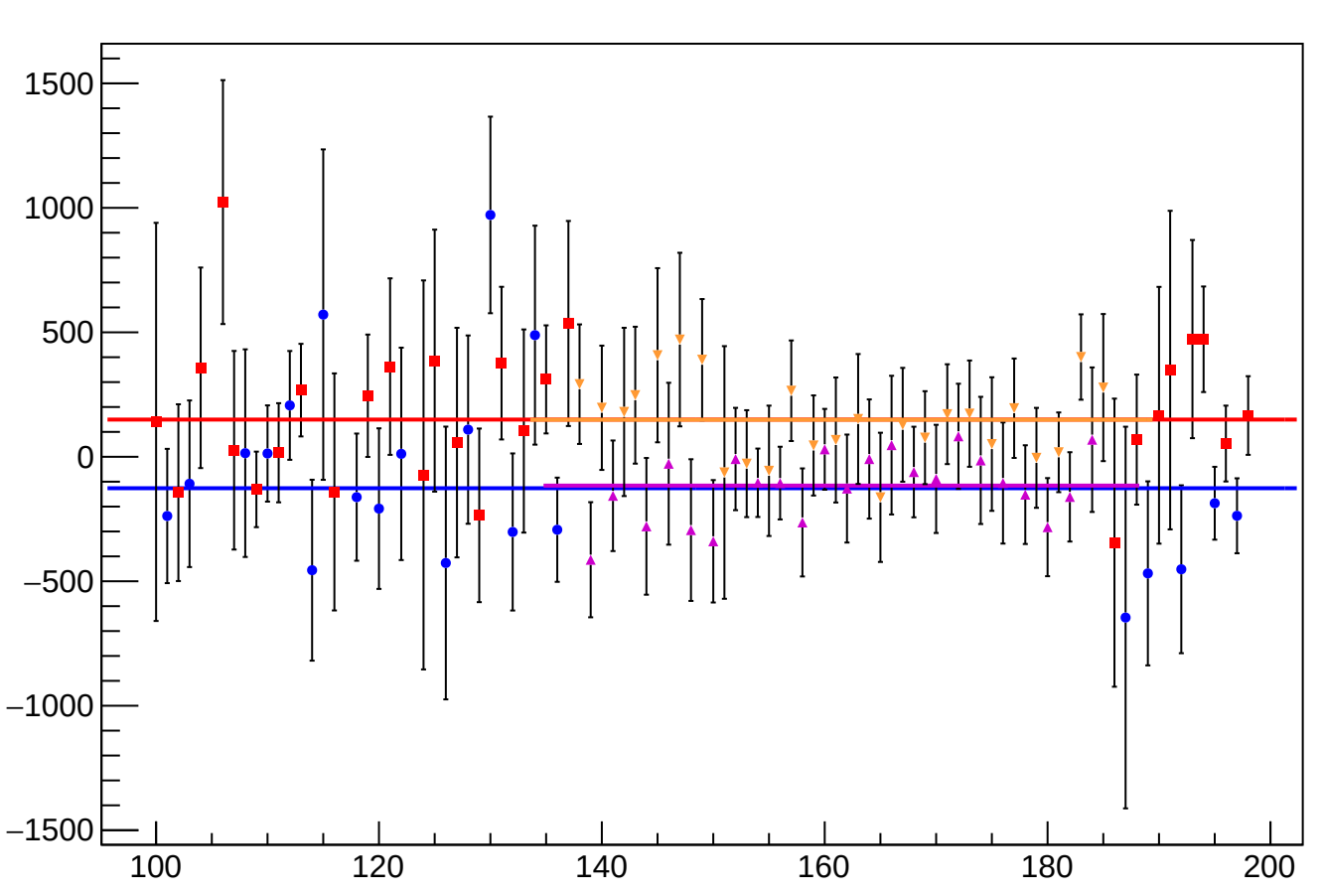
Right Out: 11.133+/-0.002 χ^2/NDF: 204569.1/26

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.281+/-0.001 χ^2/NDF: 312054.7/45

All: 11.270+/-0.001 χ^2/NDF: 692939.0/95

- sign 11.260+/-0.001 χ^2/NDF: 380777.6/49



Right In: -126.274+/-59.774 χ^2/NDF: 19.5/20

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

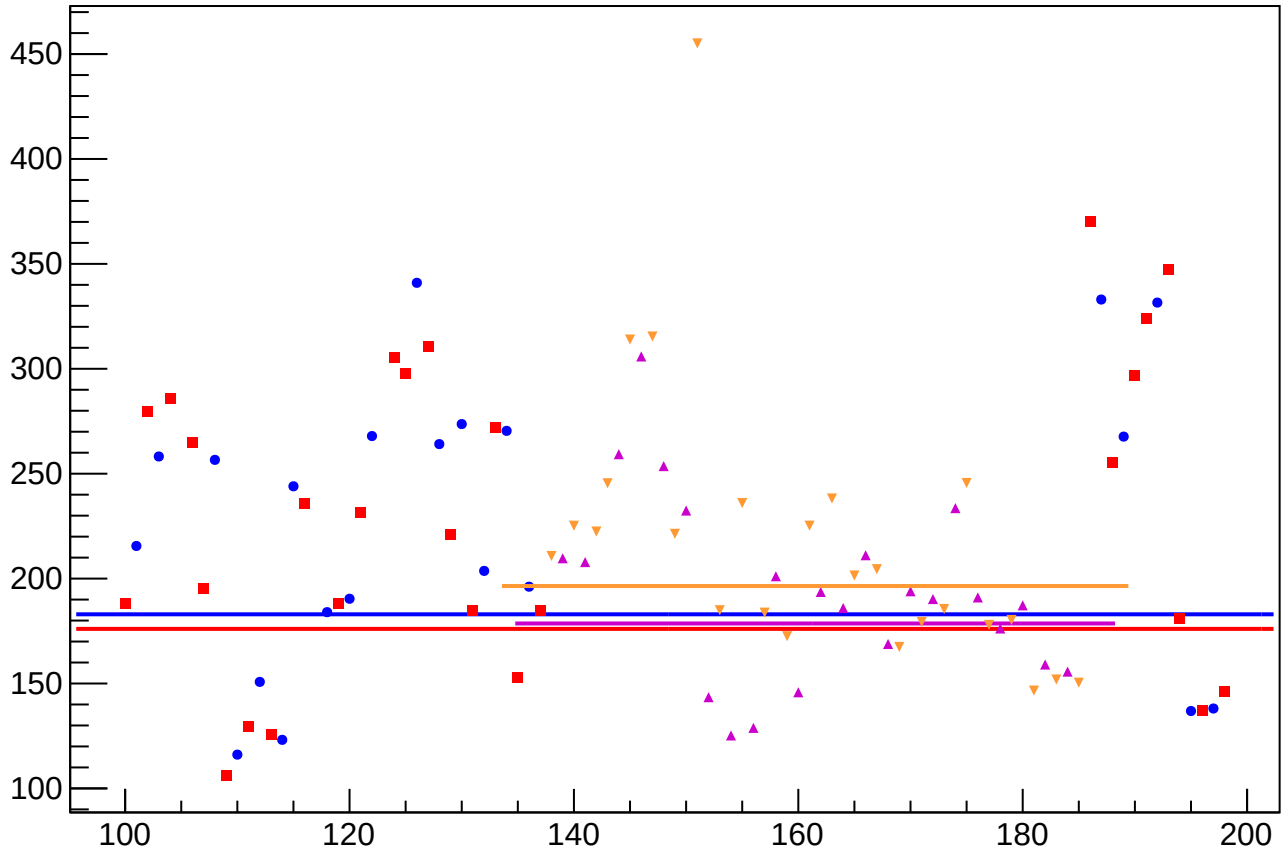
Right Out: 149.544+/-53.443 χ^2/NDF: 17.2/26

Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

\+ sign 45.698+/-36.607 χ^2/NDF: 43.2/45

All: 15.854+/-24.834 χ^2/NDF: 84.3/95

\- sign -9.594+/-33.803 χ^2/NDF: 39.8/49



Right In: 182.981+/-0.042 χ^2/NDF: 2032820.9/20

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

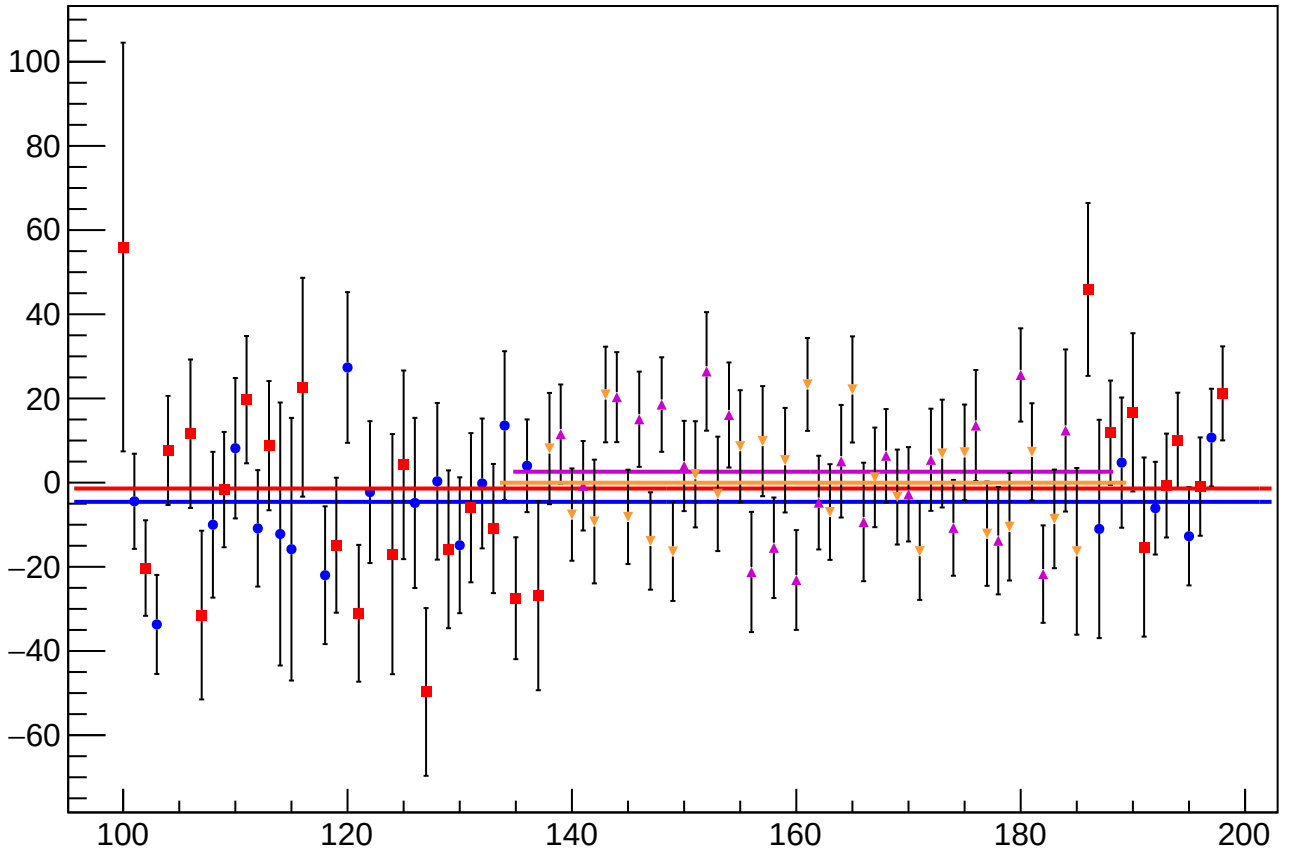
Right Out: 176.034+/-0.038 χ^2/NDF: 2856078.6/26

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 191.401+/-0.026 χ^2/NDF: 3915066.4/45

All: 183.942+/-0.018 χ^2/NDF: 8606653.6/95

- sign 177.582+/-0.024 χ^2/NDF: 4537735.6/49



Right In: -4.566+/-3.277 χ^2/NDF: 16.4/20

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -1.398+/-3.024 χ^2/NDF: 39.5/26

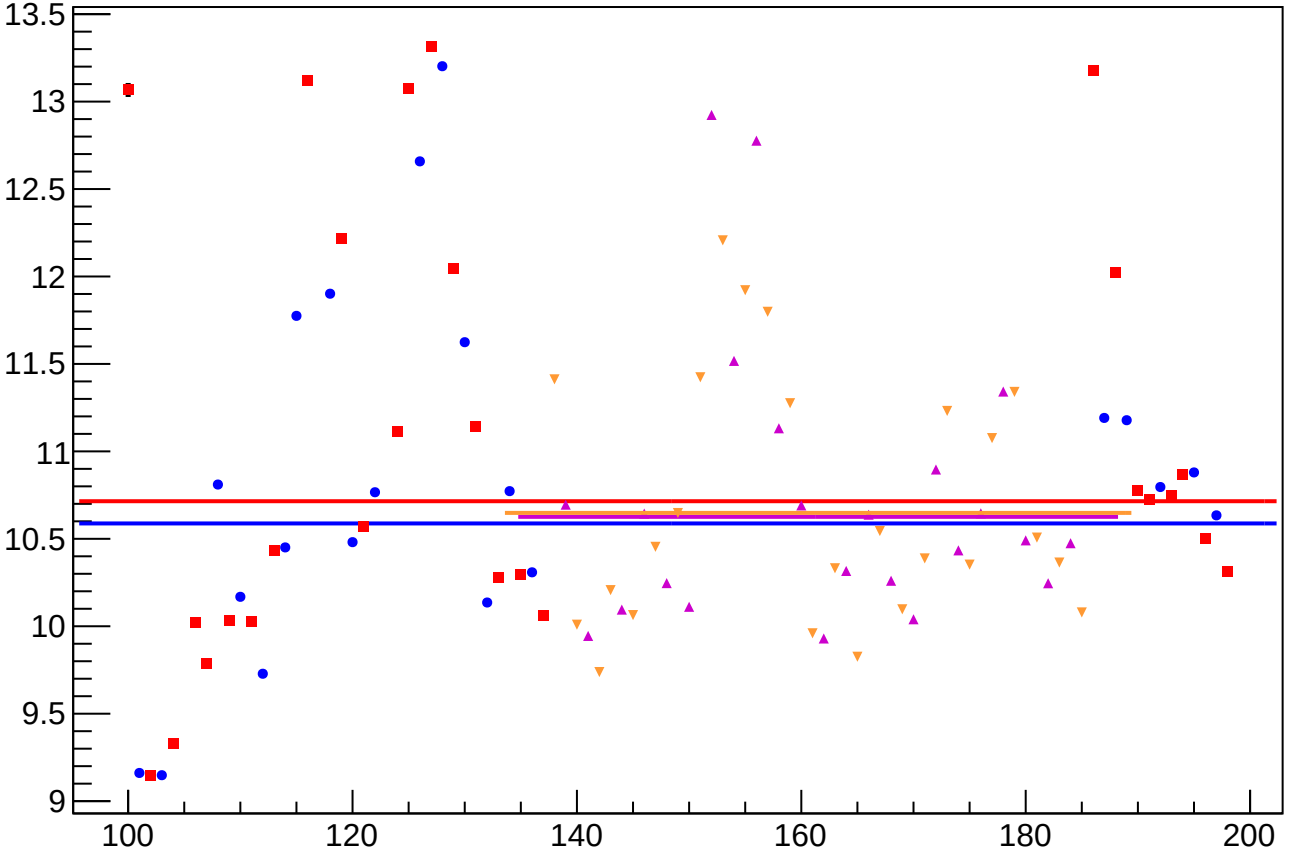
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.644+/-1.960 χ^2/NDF: 41.4/45

All: -0.318+/-1.375 χ^2/NDF: 117.6/95

- sign 0.967+/-1.930 χ^2/NDF: 75.3/49

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.588+/-0.002 χ^2/NDF: 165126.4/20

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

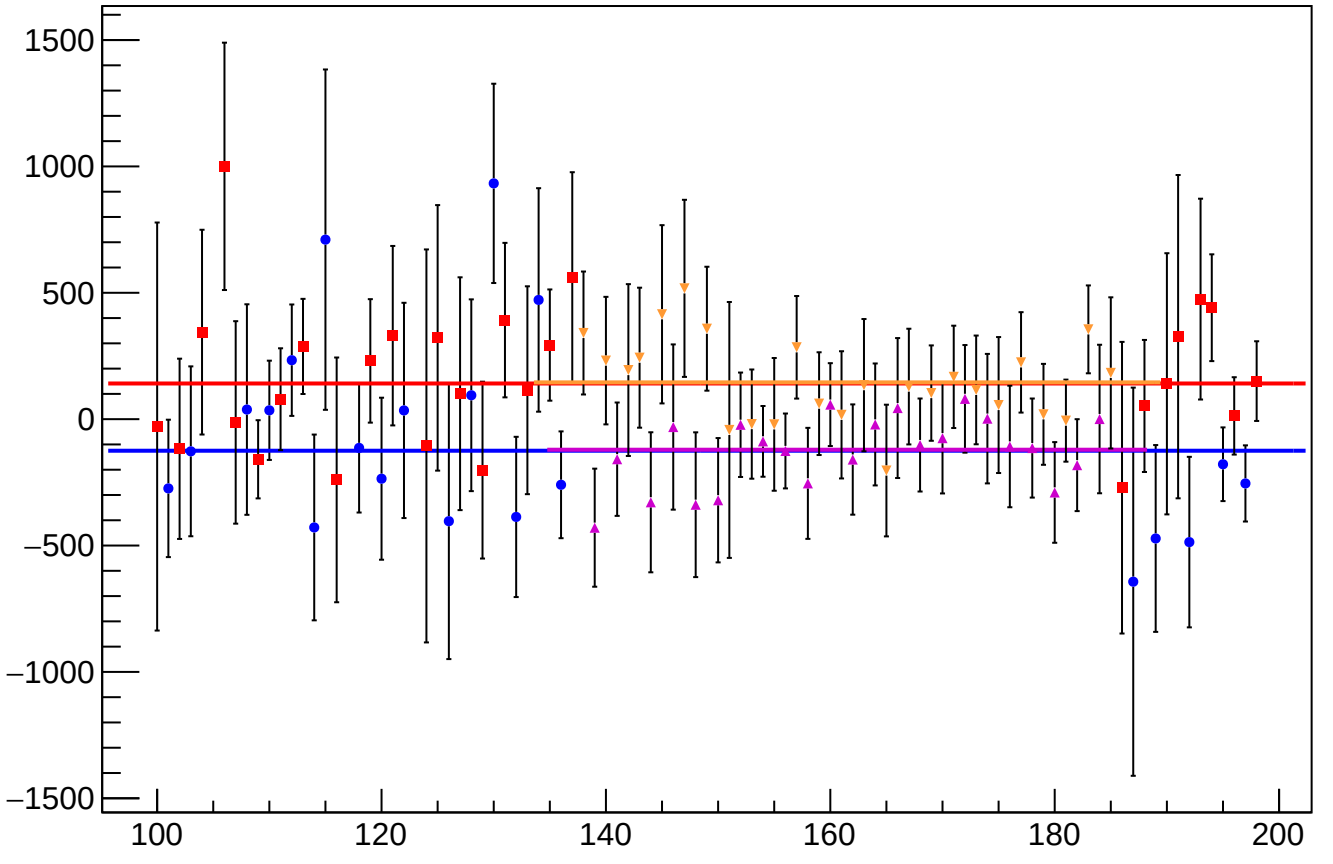
Right Out: 10.715+/-0.002 χ^2/NDF: 245403.2/26

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.627+/-0.001 χ^2/NDF: 309098.2/45

All: 10.645+/-0.001 χ^2/NDF: 715409.2/95

- sign 10.662+/-0.001 χ^2/NDF: 405980.6/49



Right In: -124.873+/-59.985 χ^2/NDF: 20.3/20

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 141.175+/-53.740 χ^2/NDF: 17.0/26

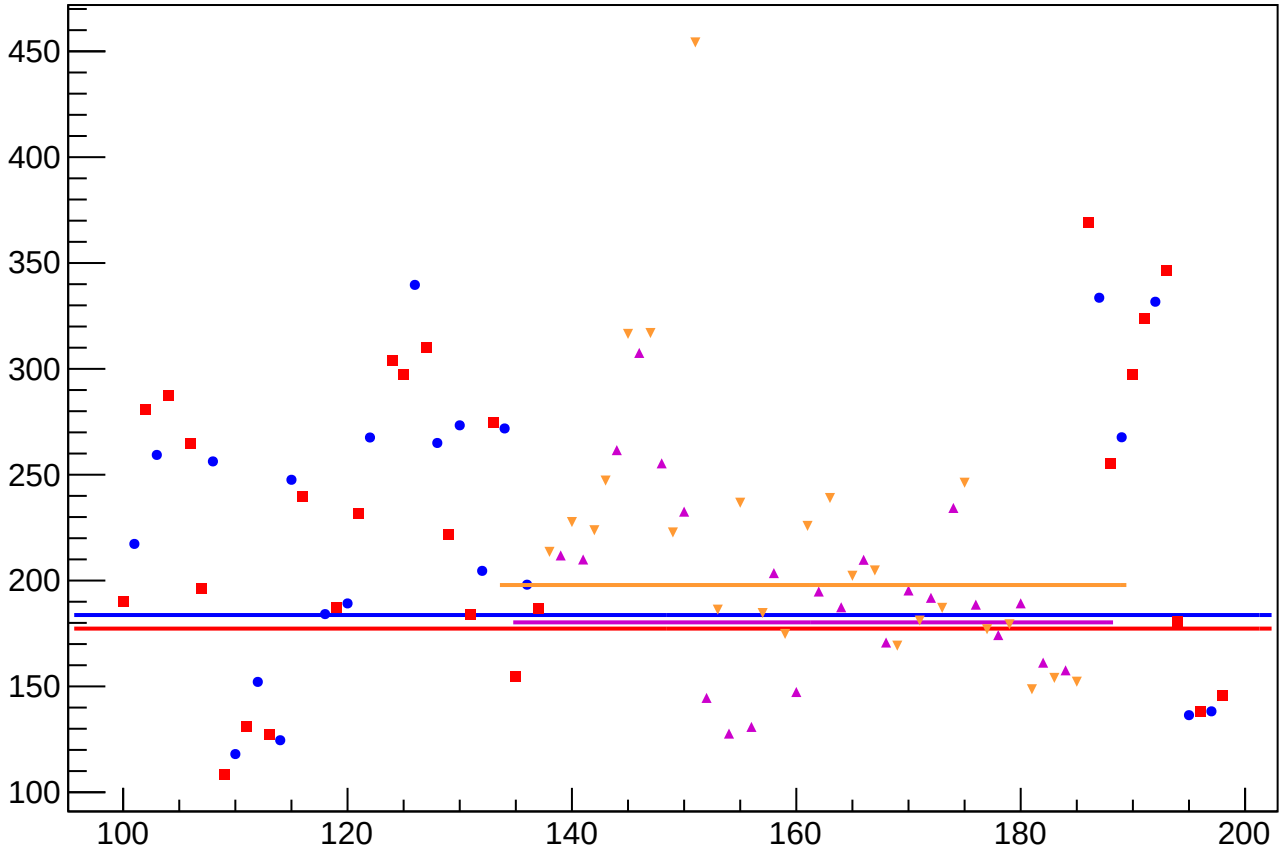
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 43.731+/-36.807 χ^2/NDF: 43.3/45

All: 11.684+/-24.992 χ^2/NDF: 84.2/95

- sign -15.731+/-34.042 χ^2/NDF: 39.5/49

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 183.718+/-0.042 χ^2/NDF: 2018241.8/20

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

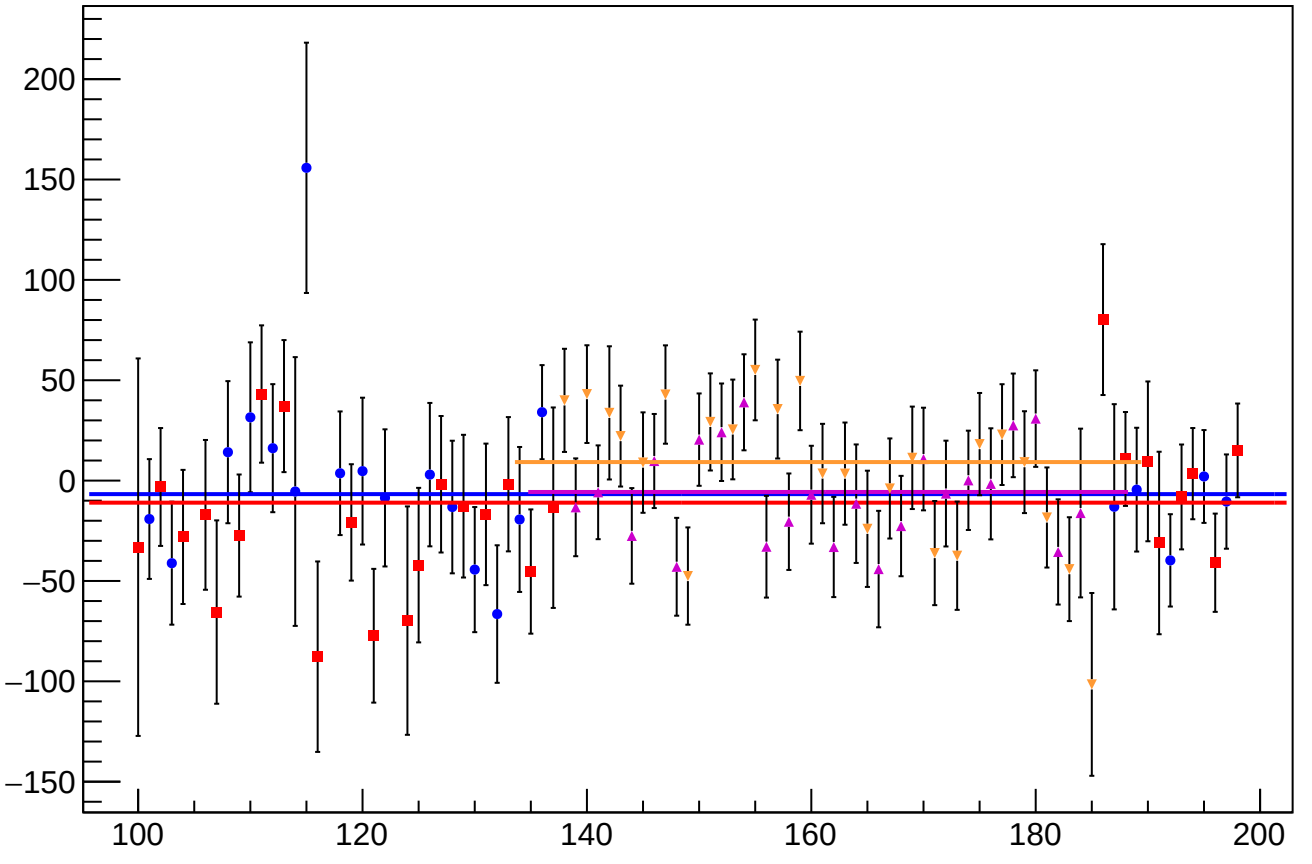
Right Out: 177.307+/-0.038 χ^2/NDF: 2791670.8/26

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 192.554+/-0.026 χ^2/NDF: 3876701.4/45

All: 185.285+/-0.018 χ^2/NDF: 8444462.5/95

- sign 179.068+/-0.024 χ^2/NDF: 4423035.1/49



Right In: -6.737+/-6.901 χ^2/NDF: 20.4/20

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -10.995+/-6.312 χ^2/NDF: 27.0/26

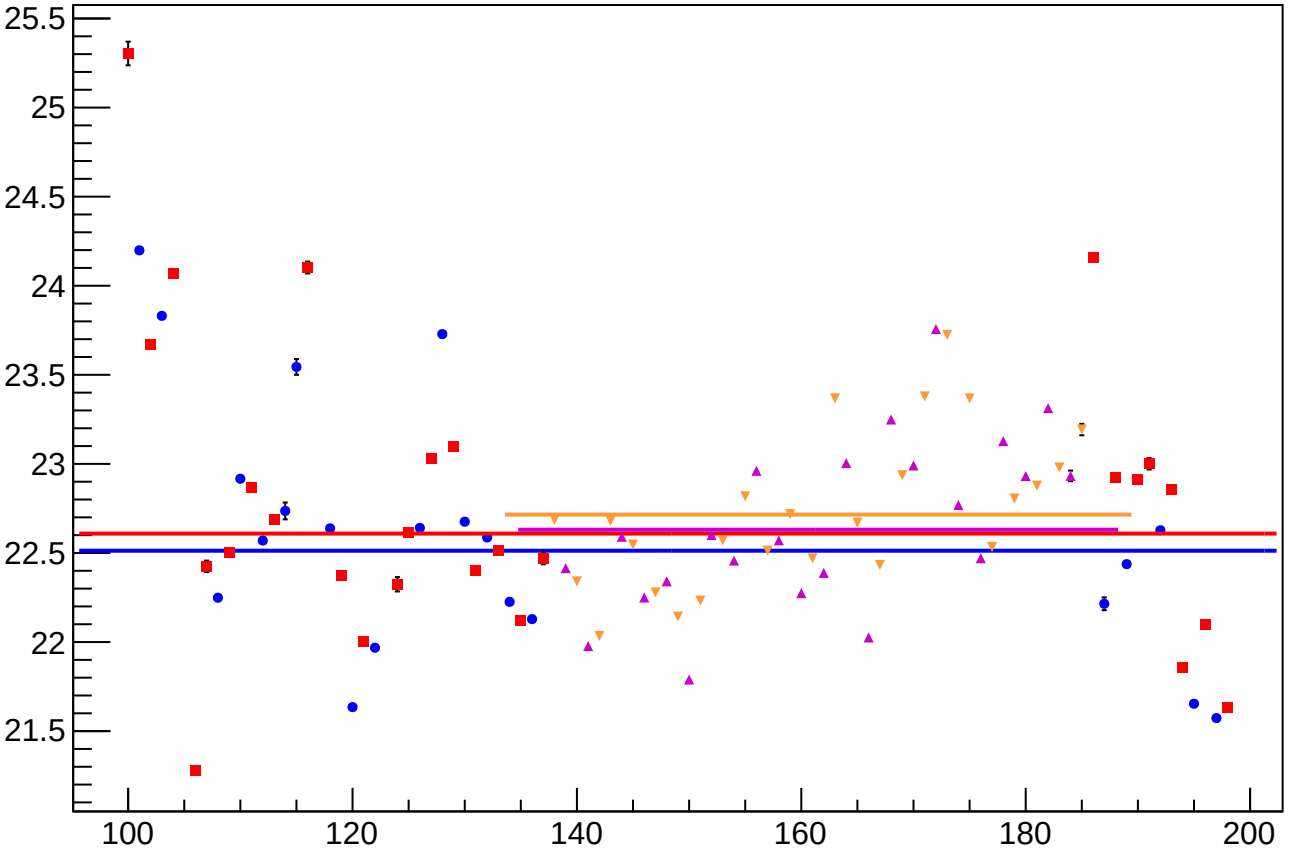
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.503+/-4.134 χ^2/NDF: 63.2/45

All: -2.293+/-2.894 χ^2/NDF: 115.3/95

- sign -7.864+/-4.053 χ^2/NDF: 48.2/49

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.513+/-0.005 χ^2/NDF: 22254.5/20

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

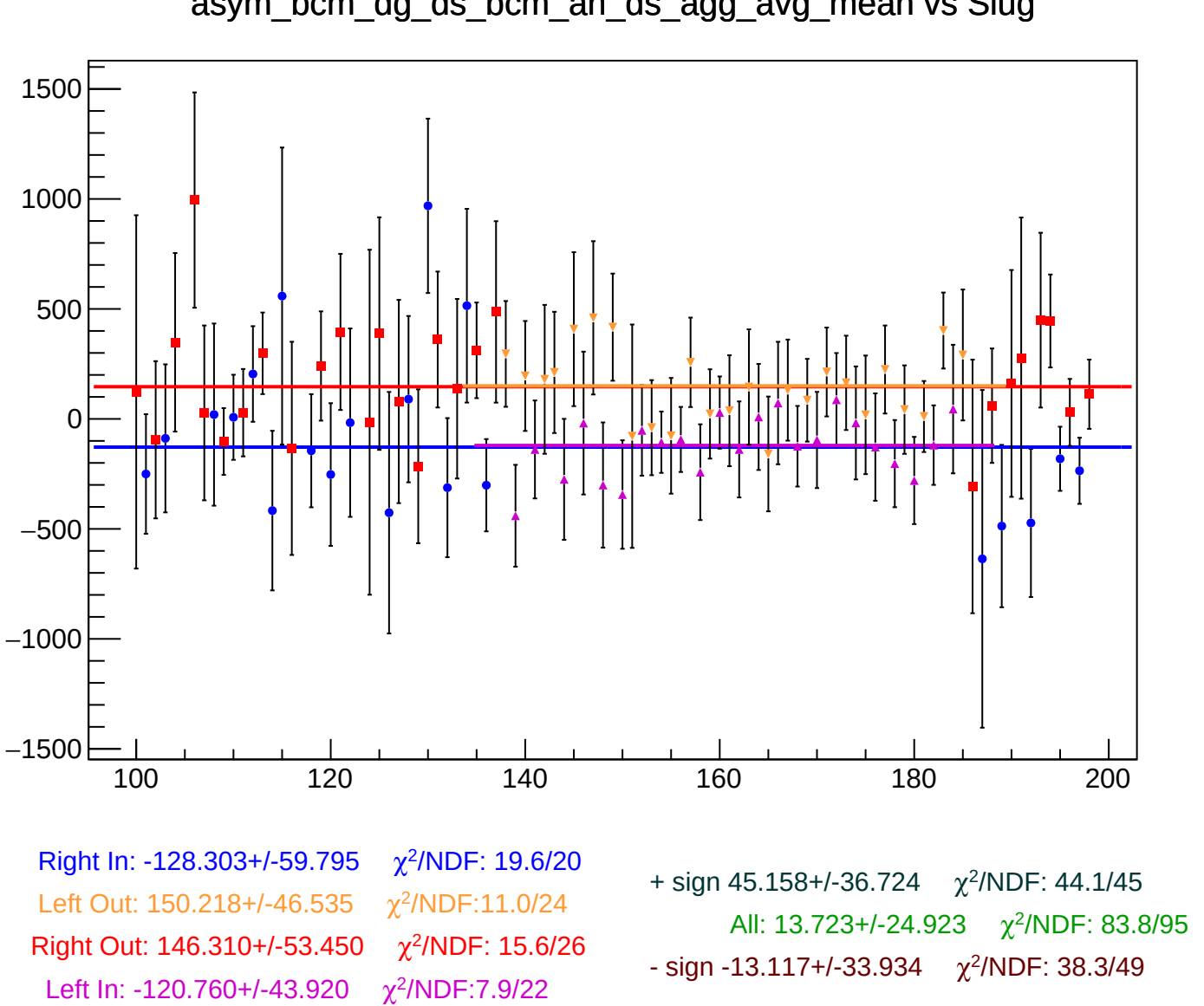
Right Out: 22.609+/-0.004 χ^2/NDF: 25650.1/26

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

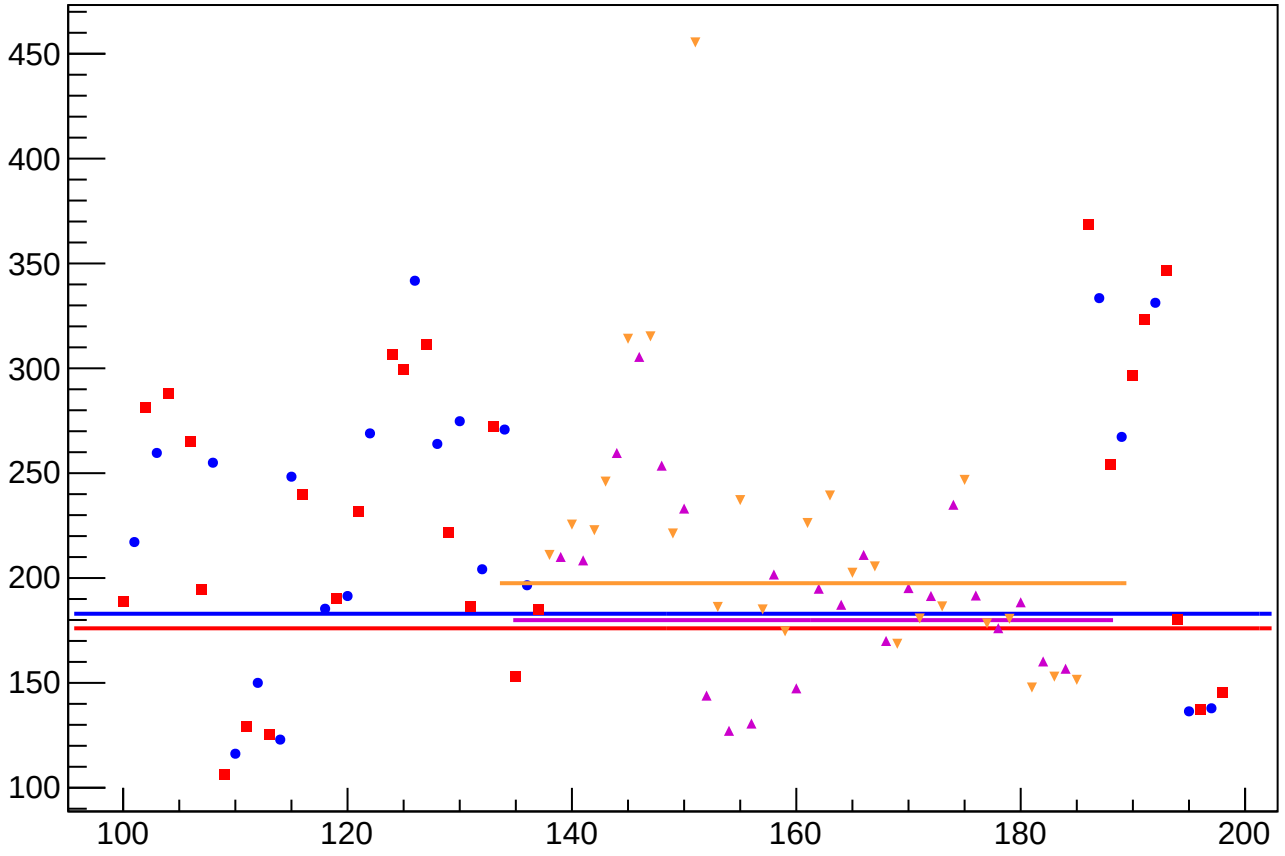
+ sign 22.643+/-0.003 χ^2/NDF: 35543.0/45

All: 22.632+/-0.002 χ^2/NDF: 76624.9/95

- sign 22.622+/-0.003 χ^2/NDF: 41055.4/49


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -128.303+/-59.795 χ²/NDF: 19.6/20
Left Out: 150.218+/-46.535 χ²/NDF:11.0/24
Right Out: 146.310+/-53.450 χ²/NDF: 15.6/26
Left In: -120.760+/-43.920 χ²/NDF:7.9/22
+ sign 45.158+/-36.724 χ²/NDF: 44.1/45
All: 13.723+/-24.923 χ²/NDF: 83.8/95
- sign -13.117+/-33.934 χ²/NDF: 38.3/49

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.968+/-0.042 χ^2/NDF: 2051593.0/20

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 176.021+/-0.038 χ^2/NDF: 2871872.4/26

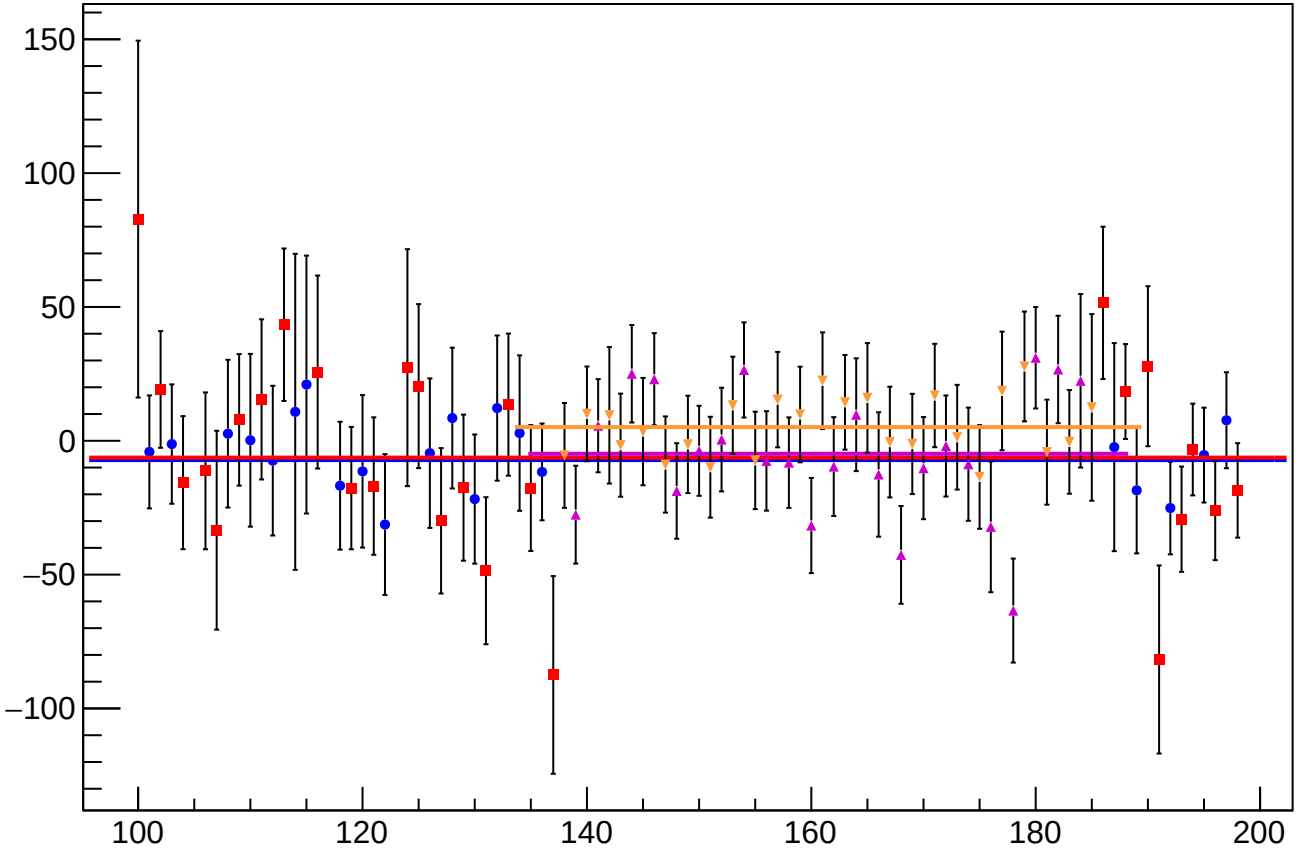
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 192.040+/-0.026 χ^2/NDF: 3915400.9/45

All: 184.655+/-0.018 χ^2/NDF: 8567689.2/95

- sign 178.350+/-0.024 χ^2/NDF: 4502381.7/49

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.200+/-5.336 χ^2/NDF: 5.2/20

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -6.288+/-4.875 χ^2/NDF: 34.2/26

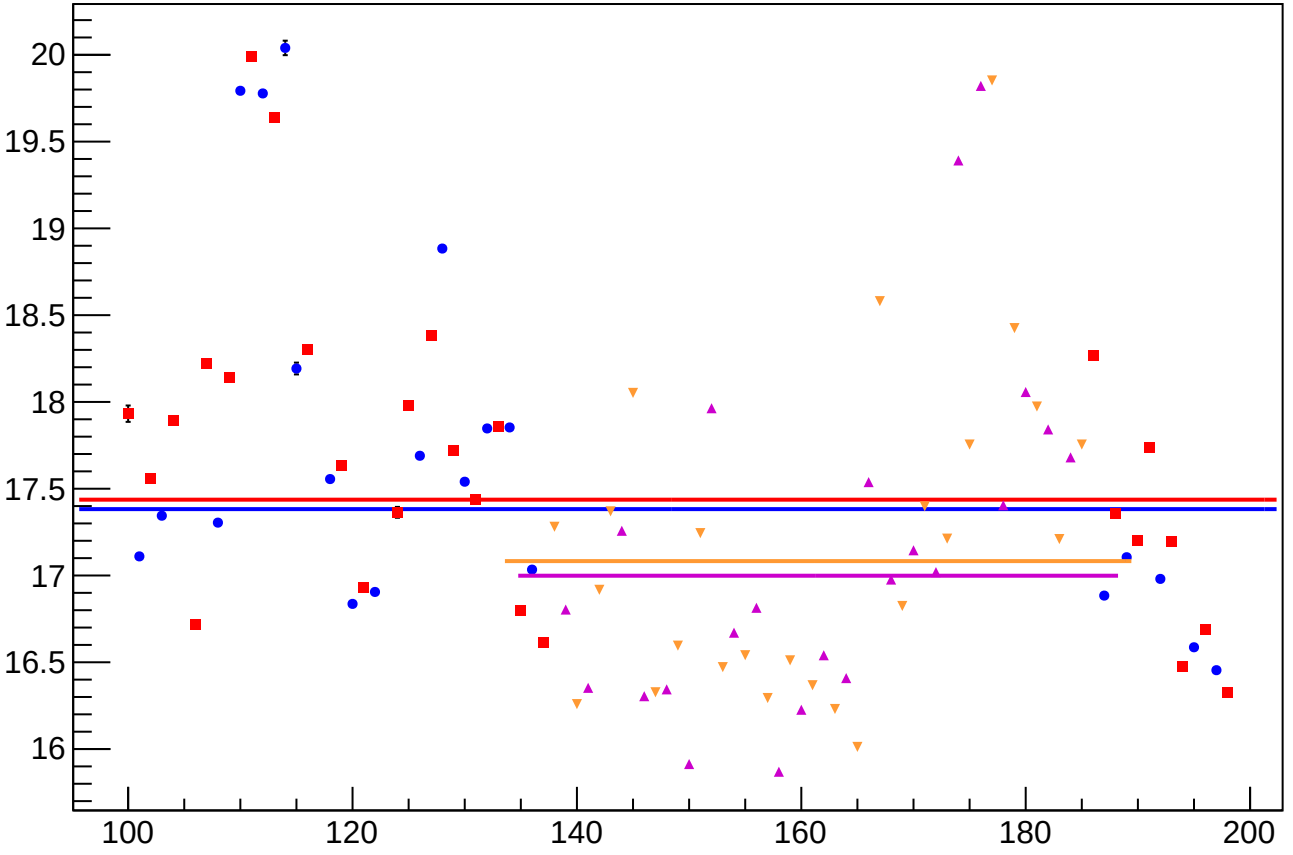
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.844+/-3.143 χ^2/NDF: 16.6/45

All: -2.354+/-2.201 χ^2/NDF: 88.4/95

- sign -5.430+/-3.083 χ^2/NDF: 69.8/49

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.382+/-0.004 χ^2/NDF: 52087.2/20

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

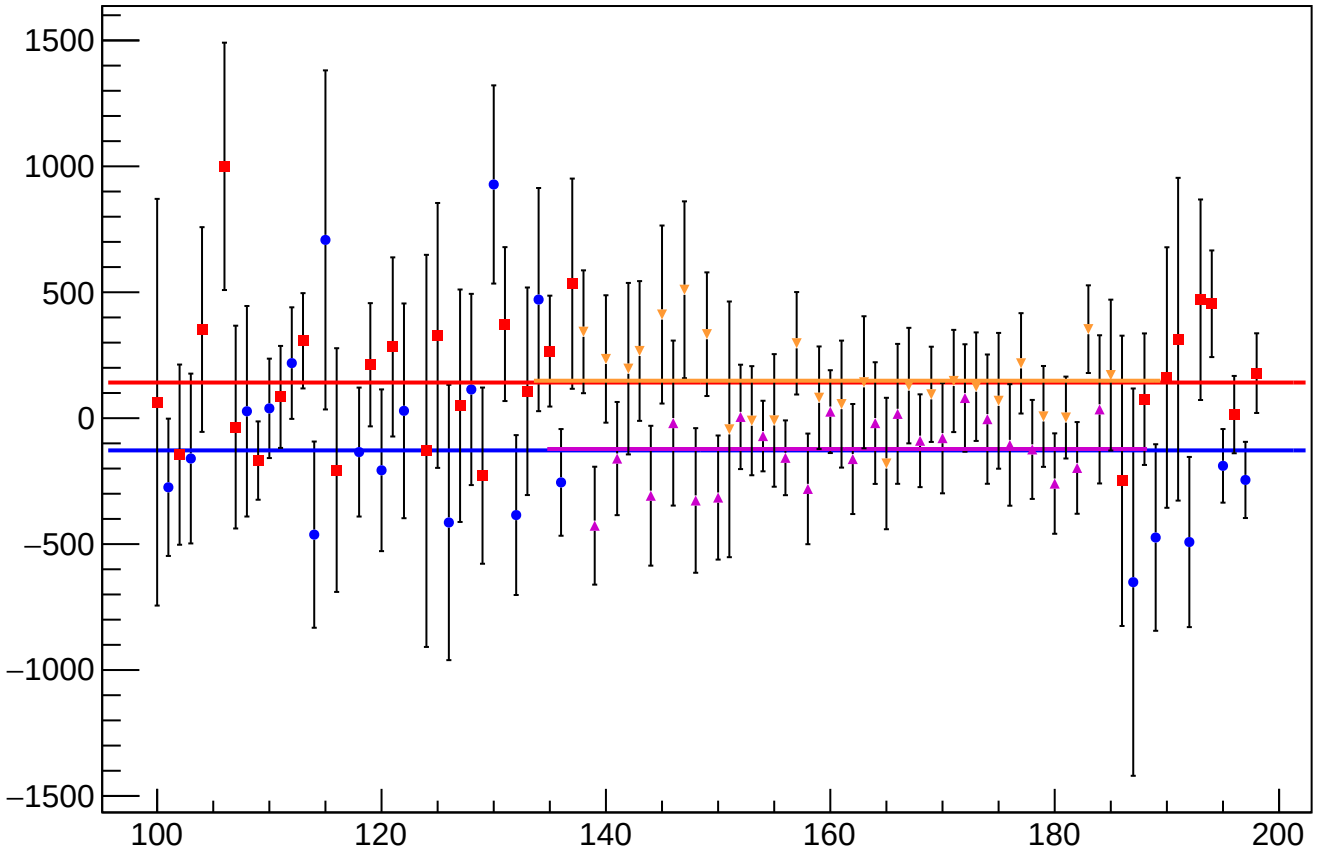
Right Out: 17.437+/-0.003 χ^2/NDF: 59204.9/26

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.187+/-0.002 χ^2/NDF: 152976.7/45

All: 17.180+/-0.002 χ^2/NDF: 325914.2/95

\- sign 17.174+/-0.002 χ^2/NDF: 172920.5/49



Right In: -127.928+/-60.159 χ^2/NDF: 20.2/20

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 141.554+/-53.900 χ^2/NDF: 17.1/26

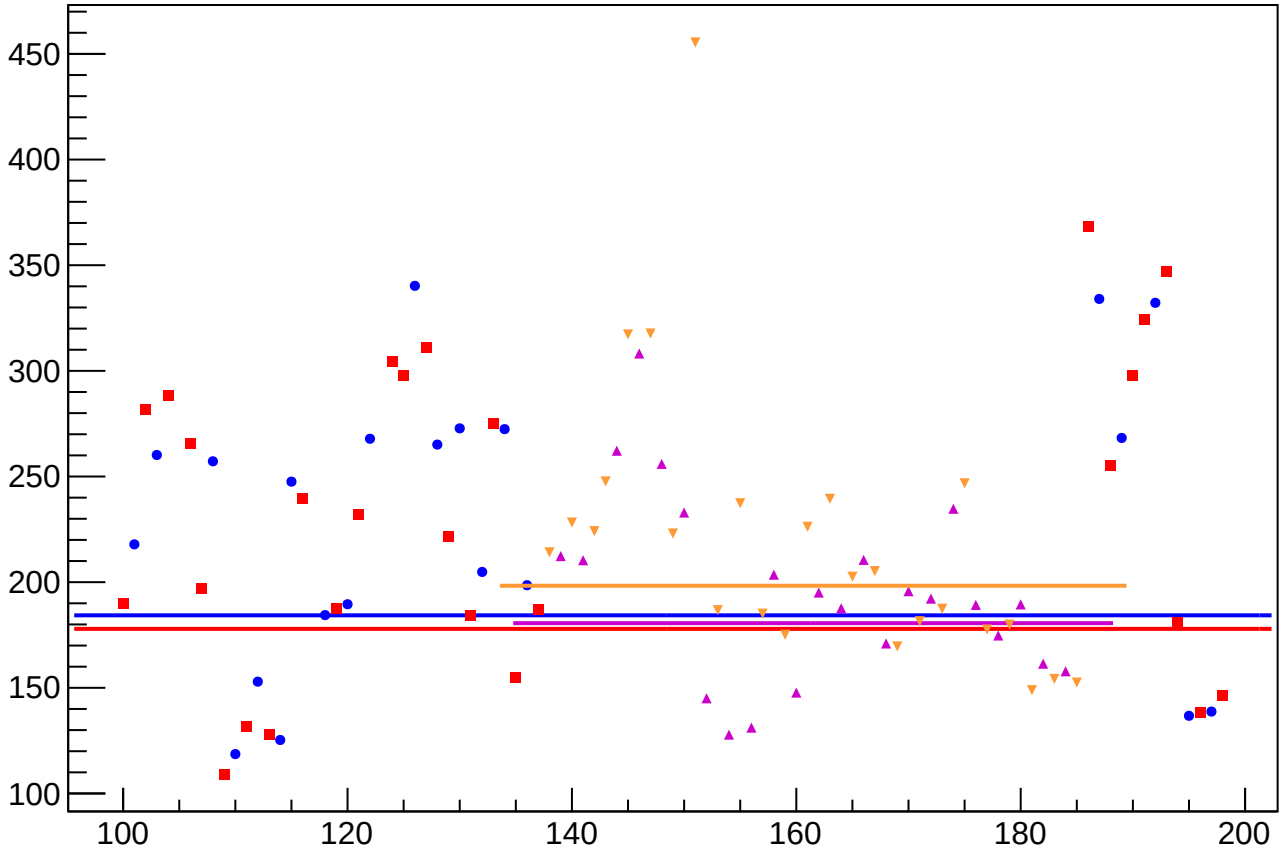
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 44.681+/-36.896 χ^2/NDF: 42.9/45

All: 11.653+/-25.052 χ^2/NDF: 83.8/95

- sign -16.597+/-34.123 χ^2/NDF: 39.4/49

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 184.310+/-0.043 χ^2/NDF: 2005905.6/20

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

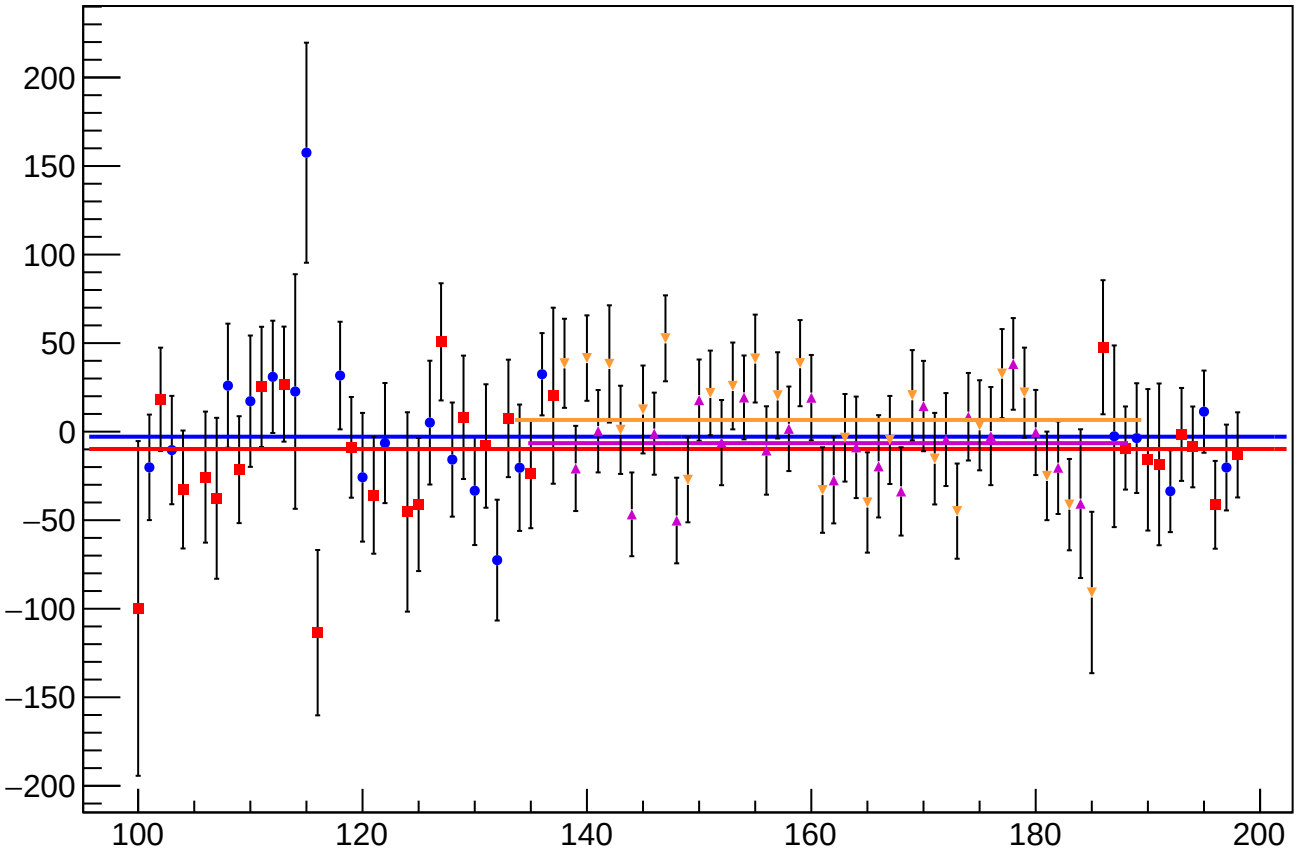
Right Out: 177.904+/-0.038 χ^2/NDF: 2773487.9/26

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 193.046+/-0.026 χ^2/NDF: 3863786.5/45

All: 185.756+/-0.018 χ^2/NDF: 8413212.8/95

- sign 179.520+/-0.024 χ^2/NDF: 4404562.0/49



Right In: -2.850+/-6.880 χ^2/NDF: 21.6/20

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

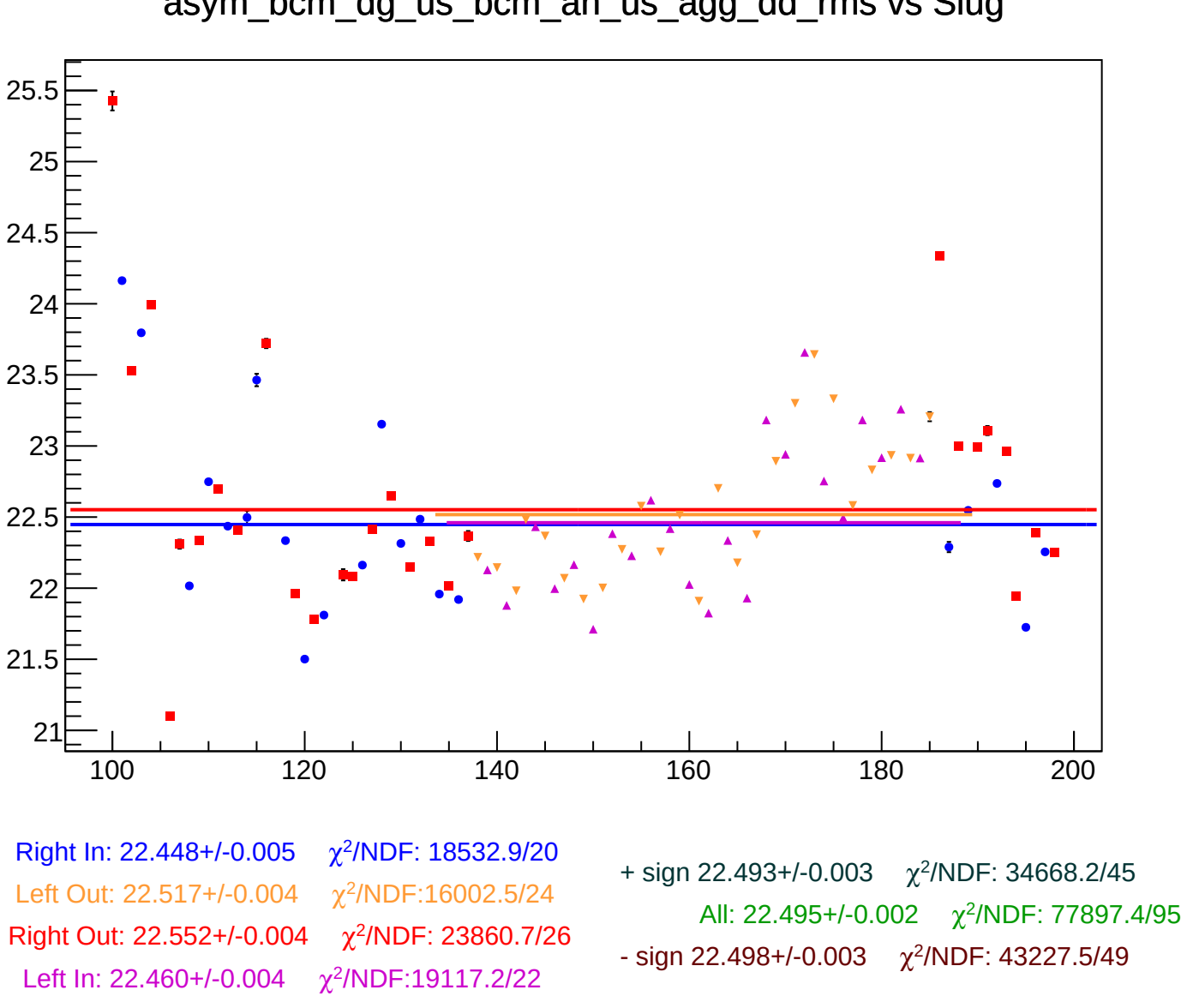
Right Out: -9.779+/-6.295 χ^2/NDF: 20.6/26

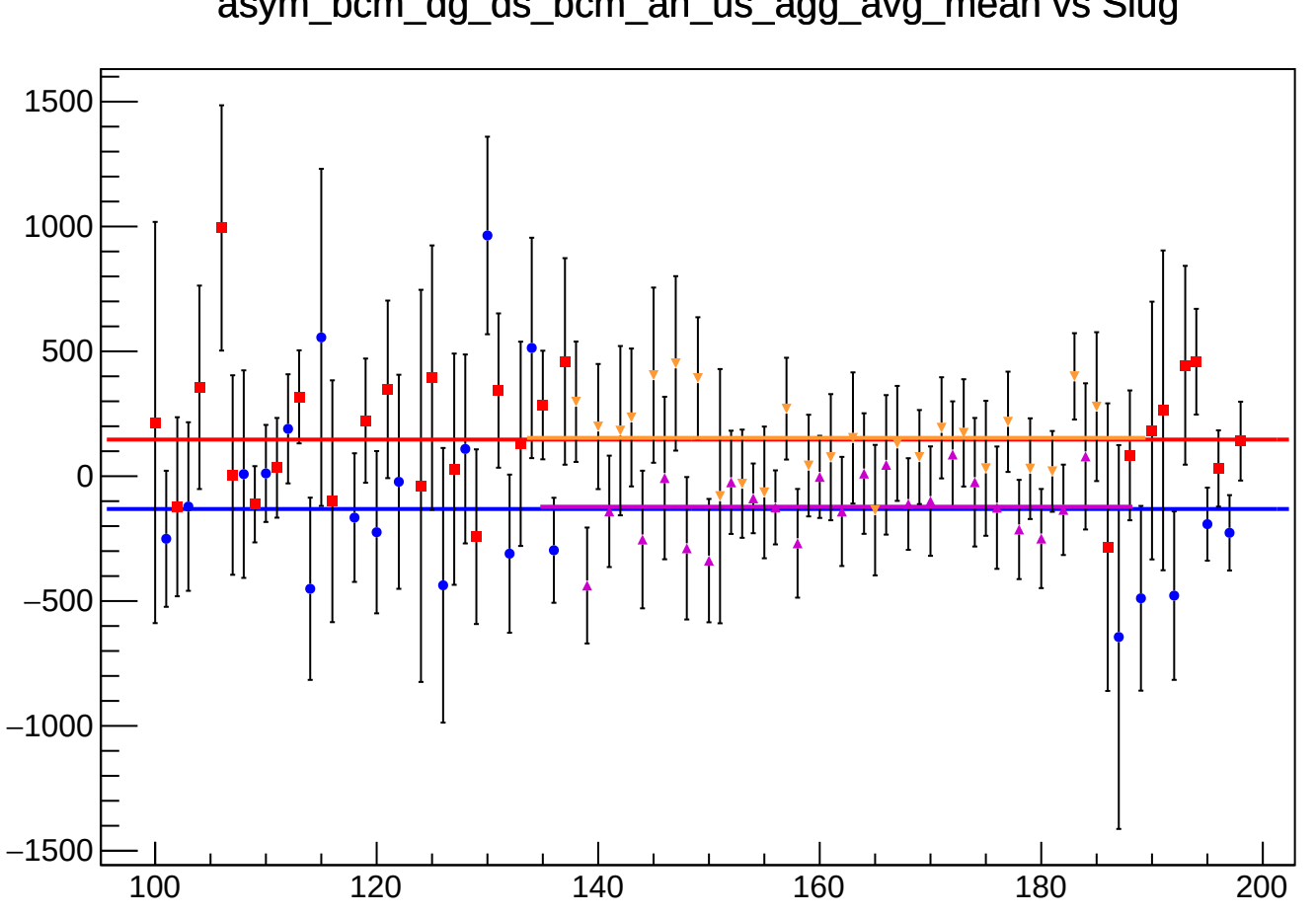
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.241+/-4.106 χ^2/NDF: 59.7/45

All: -2.399+/-2.876 χ^2/NDF: 101.6/95

- sign -7.833+/-4.030 χ^2/NDF: 38.2/49


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: 22.448+/-0.005 χ²/NDF: 18532.9/20
Left Out: 22.517+/-0.004 χ²/NDF:16002.5/24
Right Out: 22.552+/-0.004 χ²/NDF: 23860.7/26
Left In: 22.460+/-0.004 χ²/NDF:19117.2/22
+ sign 22.493+/-0.003 χ²/NDF: 34668.2/45
All: 22.495+/-0.002 χ²/NDF: 77897.4/95
- sign 22.498+/-0.003 χ²/NDF: 43227.5/49



Right In: -131.412+/-59.971 χ^2/NDF: 19.4/20

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 146.707+/-53.612 χ^2/NDF: 15.6/26

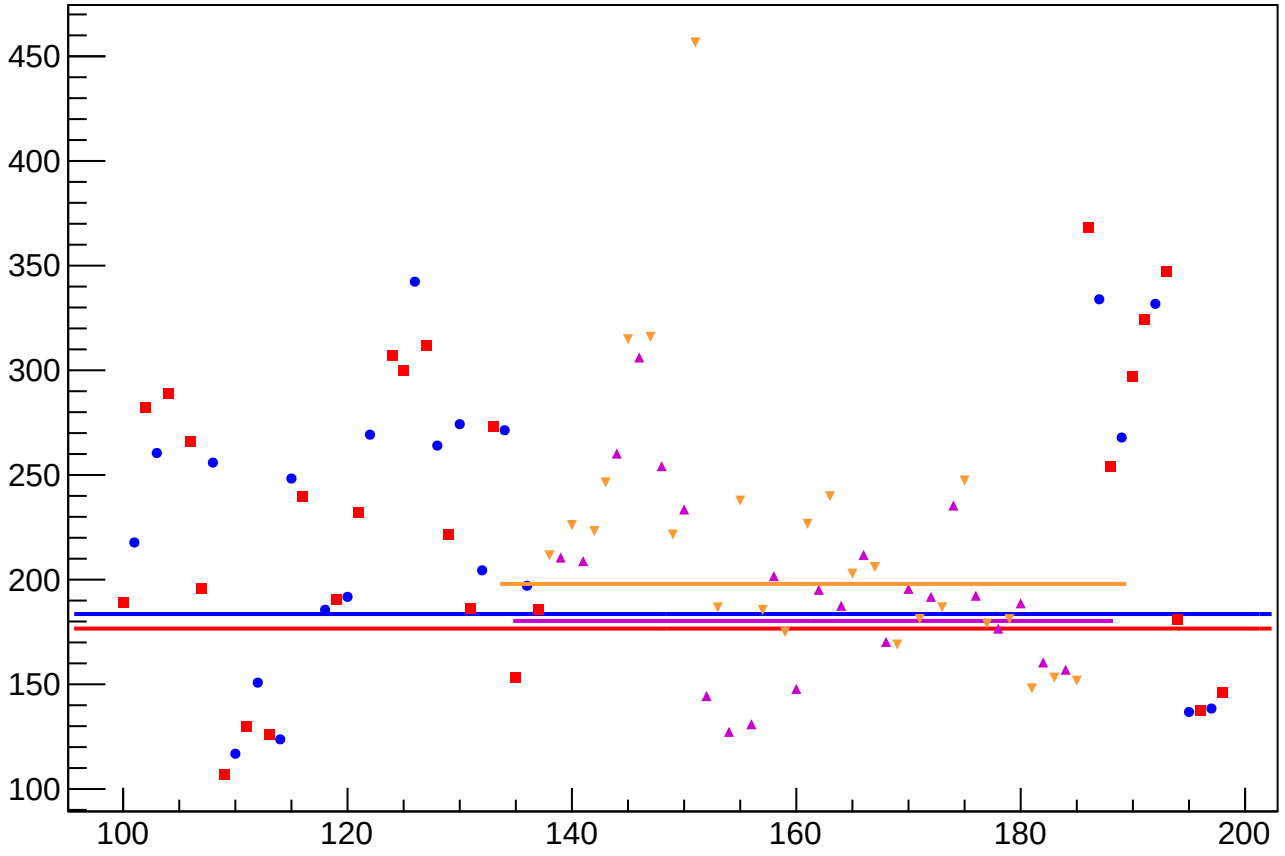
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 46.138+/-36.815 χ^2/NDF: 43.6/45

All: 13.731+/-24.983 χ^2/NDF: 83.1/95

- sign -13.934+/-34.015 χ^2/NDF: 38.1/49

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 183.568+/-0.042 χ^2/NDF: 2038662.3/20

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

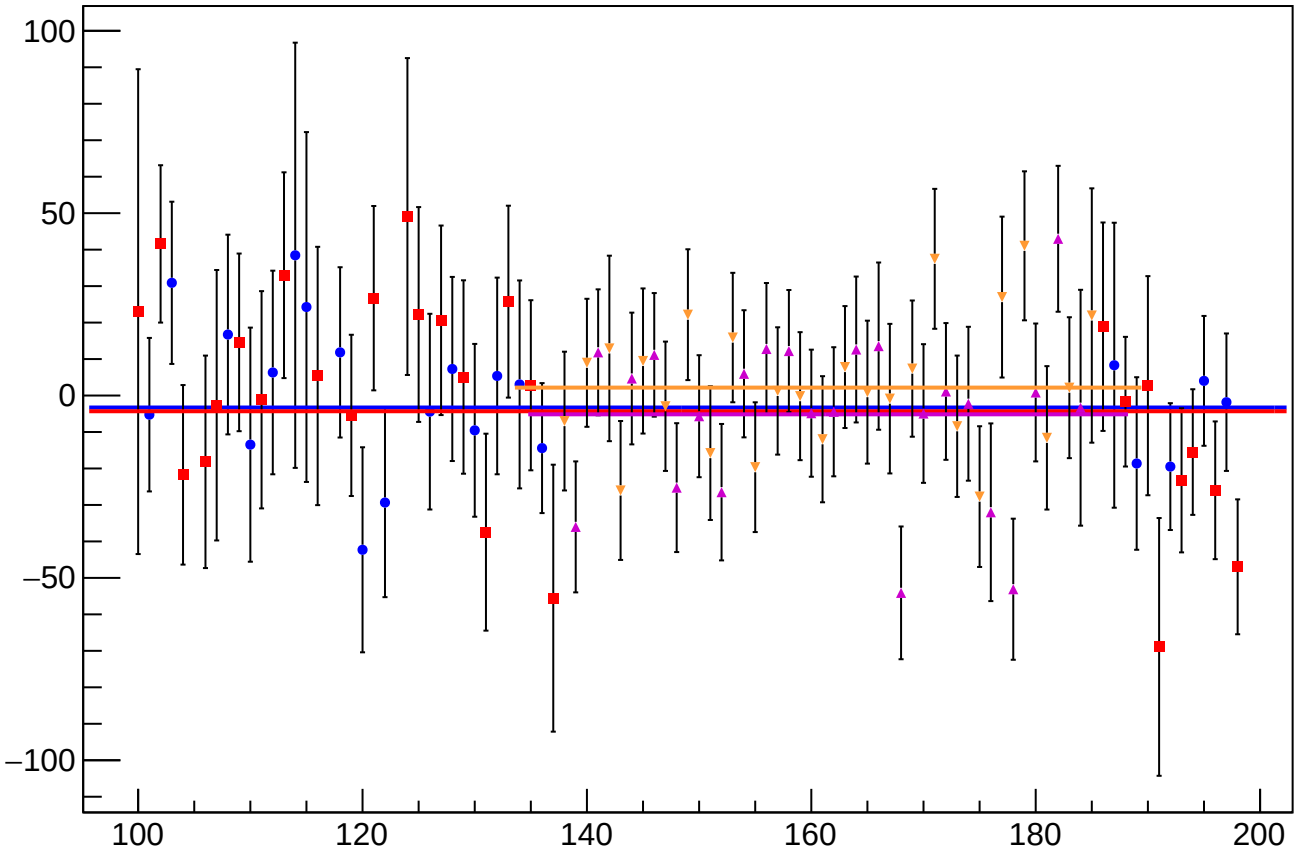
Right Out: 176.628+/-0.038 χ^2/NDF: 2852746.1/26

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 192.535+/-0.026 χ^2/NDF: 3901765.1/45

All: 185.129+/-0.018 χ^2/NDF: 8534750.0/95

- sign 178.807+/-0.024 χ^2/NDF: 4482955.0/49



Right In: -3.284+/-5.315 χ^2/NDF: 9.7/20

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -4.309+/-4.859 χ^2/NDF: 29.7/26

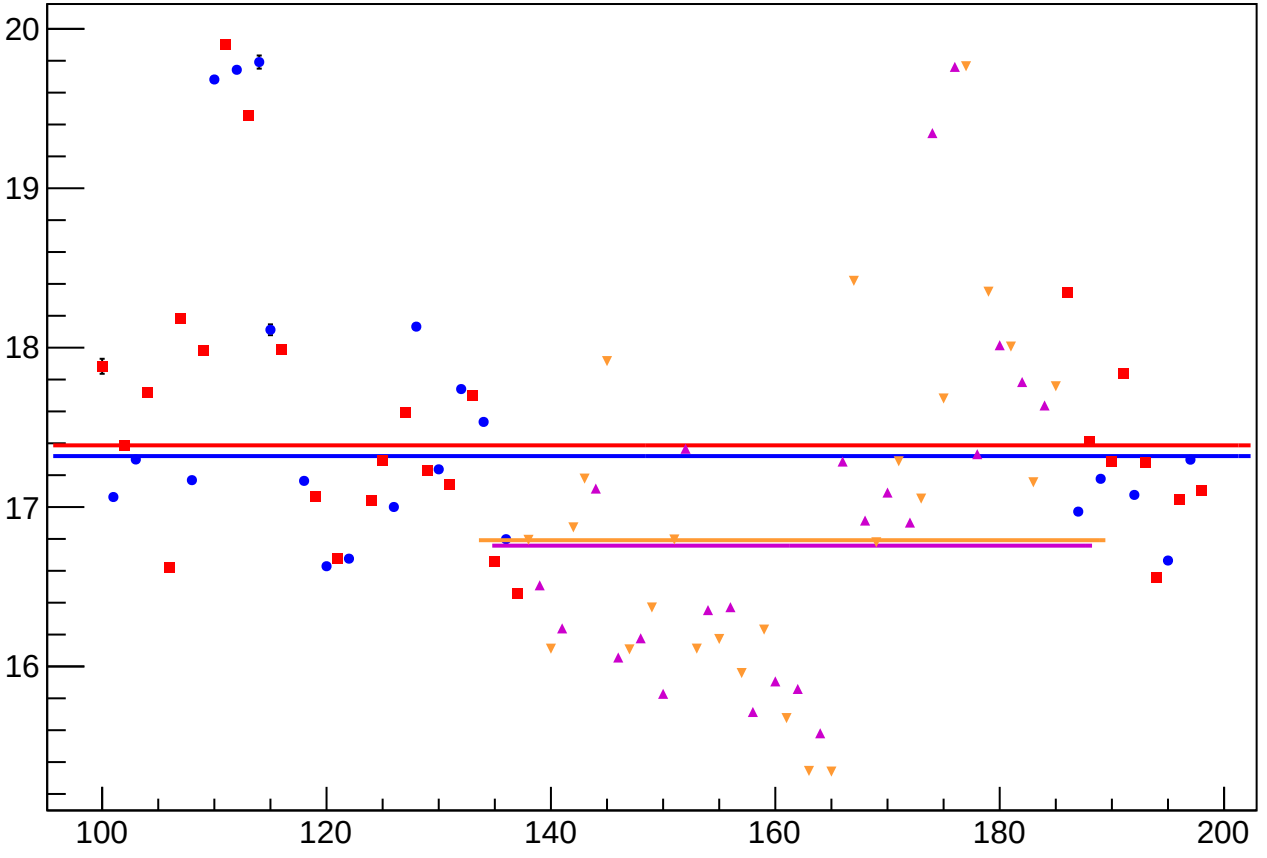
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.312+/-3.105 χ^2/NDF: 30.3/45

All: -2.296+/-2.177 χ^2/NDF: 93.7/95

- sign -4.818+/-3.053 χ^2/NDF: 62.0/49

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.320+/-0.004 χ^2/NDF: 40974.4/20

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

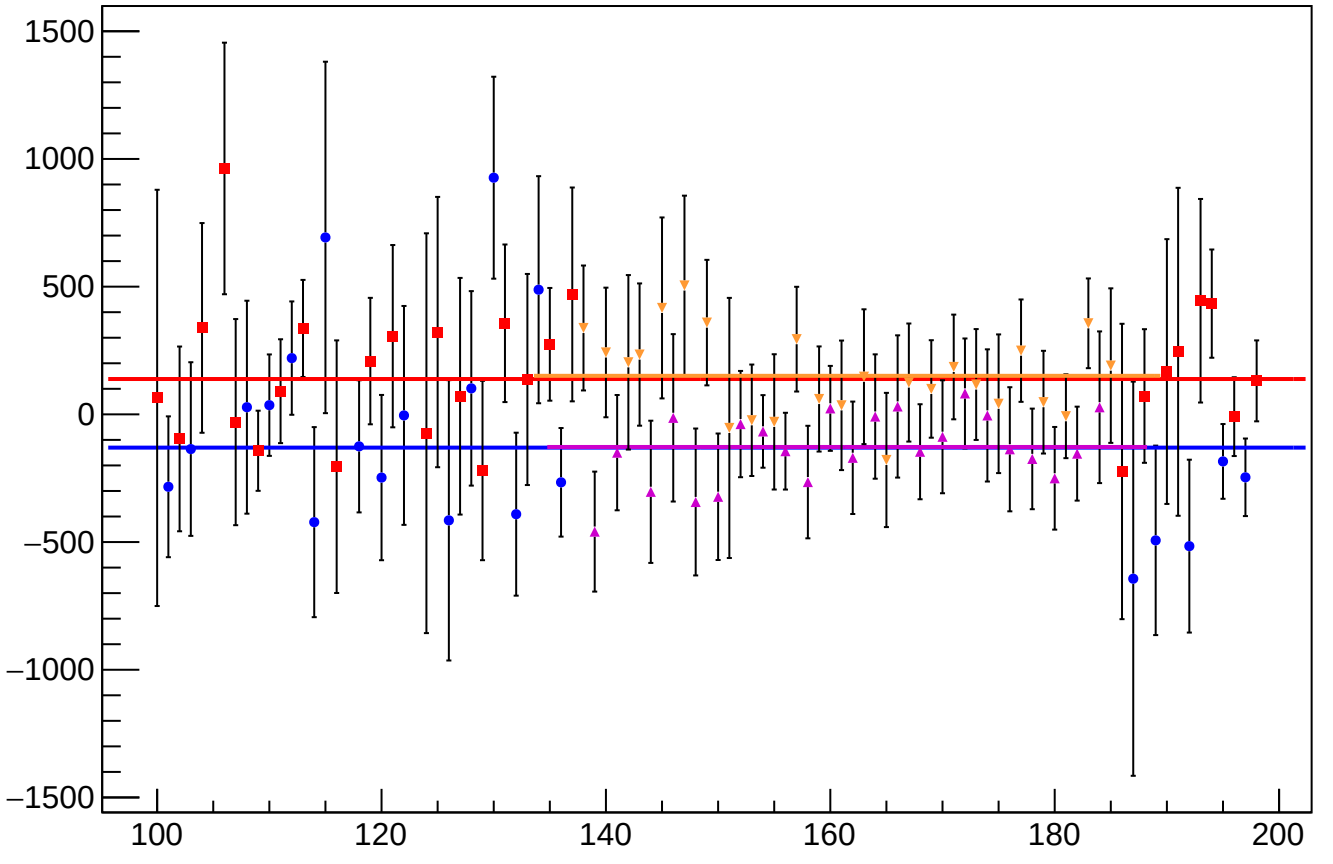
Right Out: 17.387+/-0.003 χ^2/NDF: 44065.9/26

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.972+/-0.002 χ^2/NDF: 190966.9/45

All: 16.989+/-0.002 χ^2/NDF: 378768.5/95

- sign 17.006+/-0.002 χ^2/NDF: 187678.5/49



Right In: -130.252+/-60.425 χ^2/NDF: 20.1/20

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 138.383+/-54.164 χ^2/NDF: 15.5/26

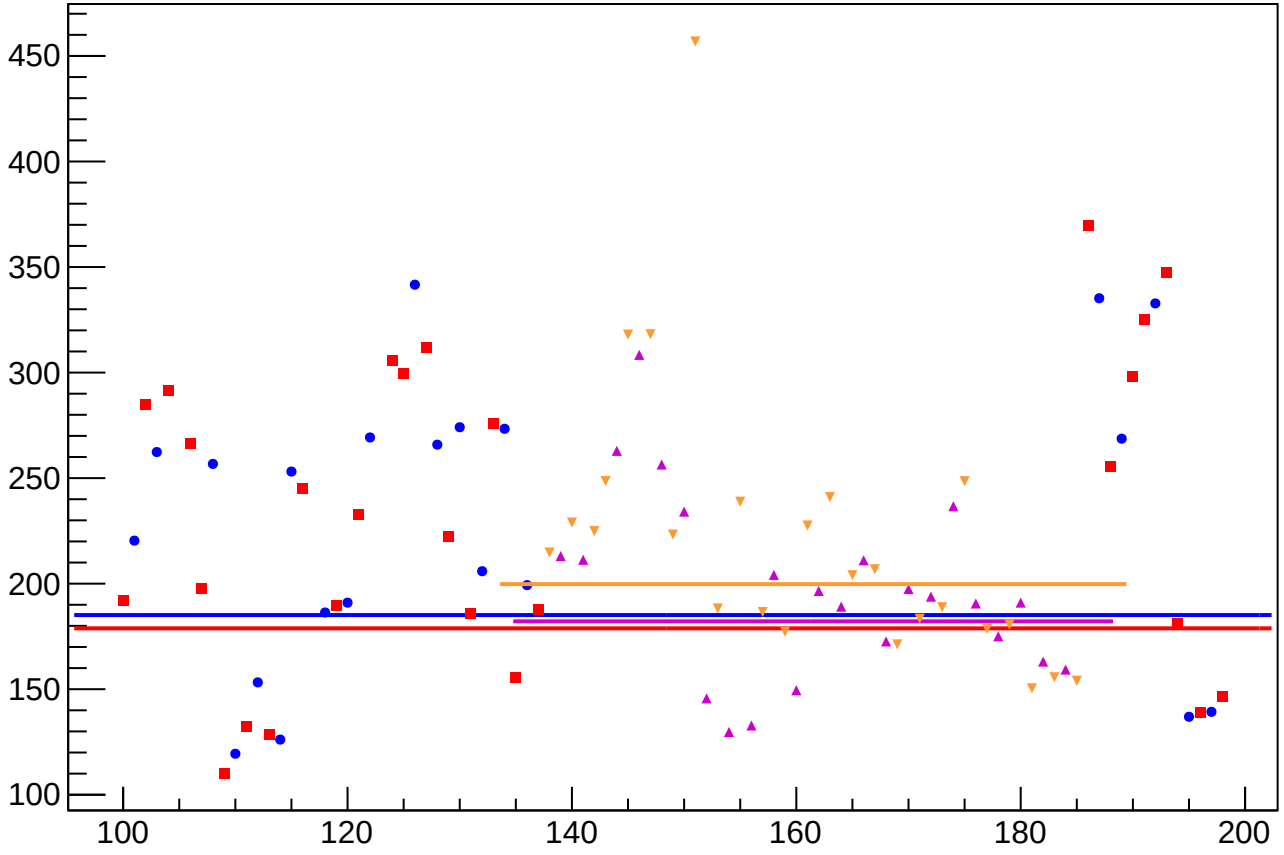
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 44.812+/-37.116 χ^2/NDF: 43.6/45

All: 9.529+/-25.210 χ^2/NDF: 83.0/95

- sign -20.691+/-34.350 χ^2/NDF: 37.7/49

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 185.125+/-0.043 χ^2/NDF: 2009955.4/20

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

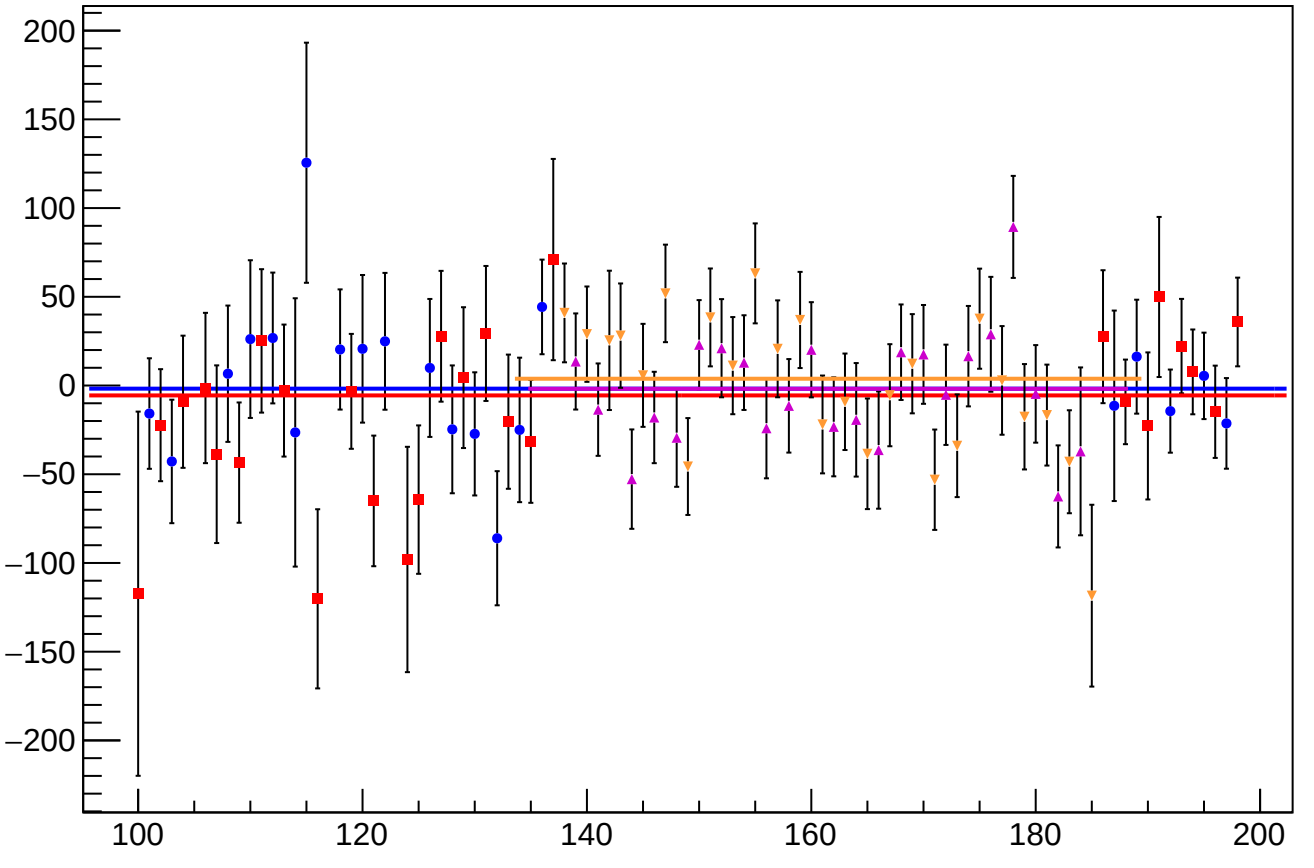
Right Out: 178.829+/-0.038 χ^2/NDF: 2770285.7/26

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

\+ sign 194.254+/-0.026 χ^2/NDF: 3843584.4/45

All: 187.015+/-0.018 χ^2/NDF: 8343967.7/95

\- sign 180.814+/-0.024 χ^2/NDF: 4359139.3/49



Right In: -1.763+/-7.533 χ^2/NDF: 18.1/20

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

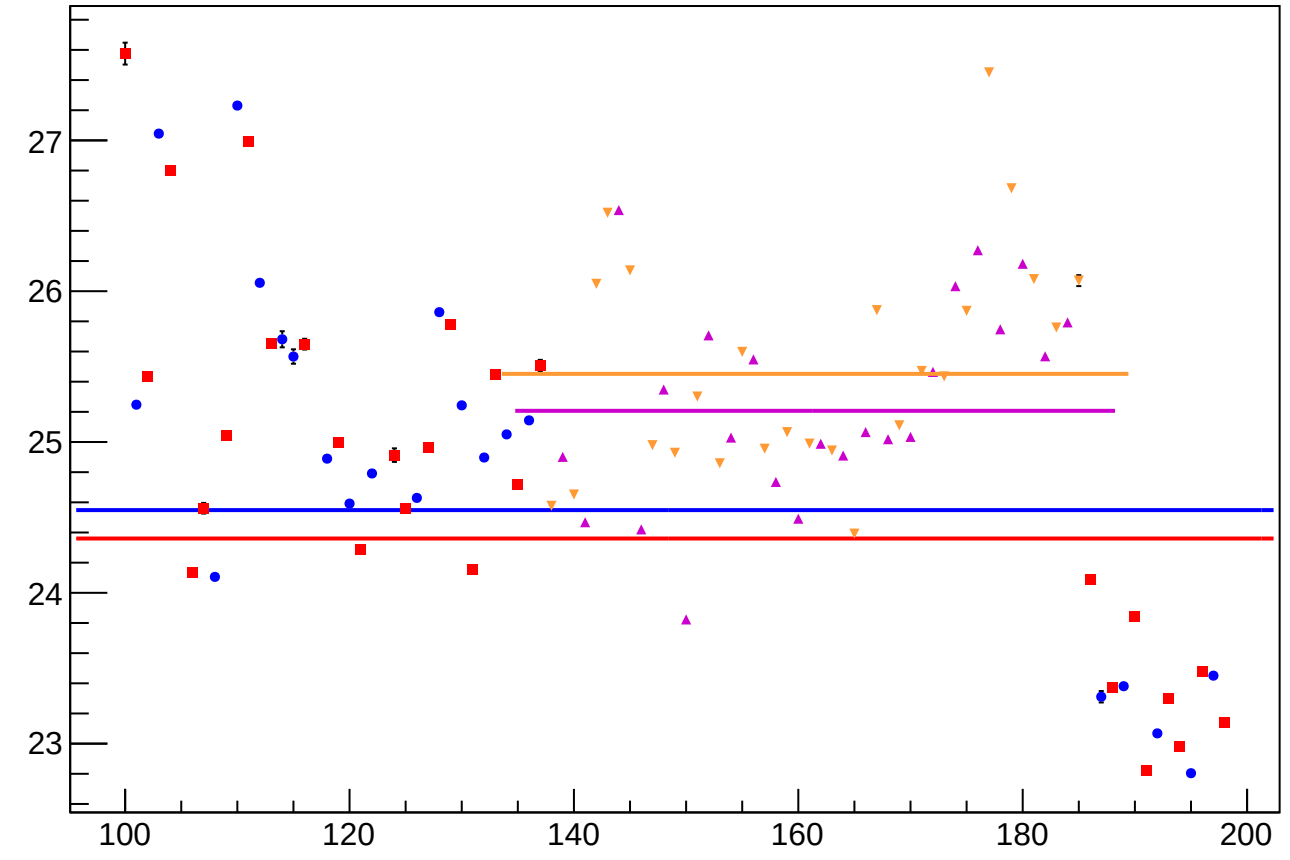
Right Out: -5.576+/-6.807 χ^2/NDF: 26.6/26

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.754+/-4.590 χ^2/NDF: 56.1/45

All: -0.924+/-3.197 χ^2/NDF: 111.6/95

- sign -3.446+/-4.455 χ^2/NDF: 54.9/49



Right In: 24.548+/-0.005 χ^2/NDF: 53974.0/20

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

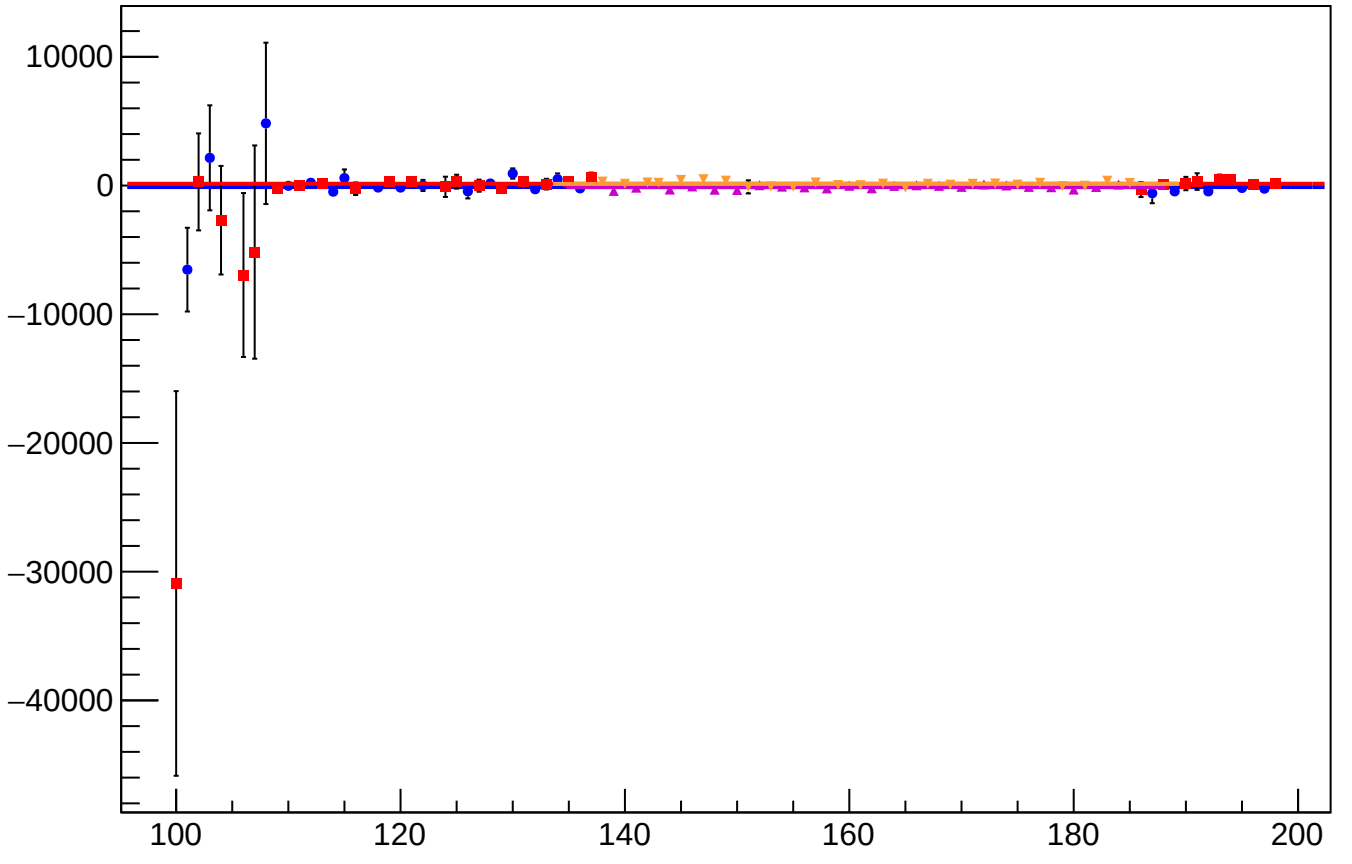
Right Out: 24.360+/-0.005 χ^2/NDF: 55851.8/26

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.116+/-0.003 χ^2/NDF: 101670.0/45

All: 24.976+/-0.002 χ^2/NDF: 204662.4/95

- sign 24.844+/-0.003 χ^2/NDF: 99367.3/49



Right In: -117.748+/-64.434 χ^2/NDF: 22.8/20

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

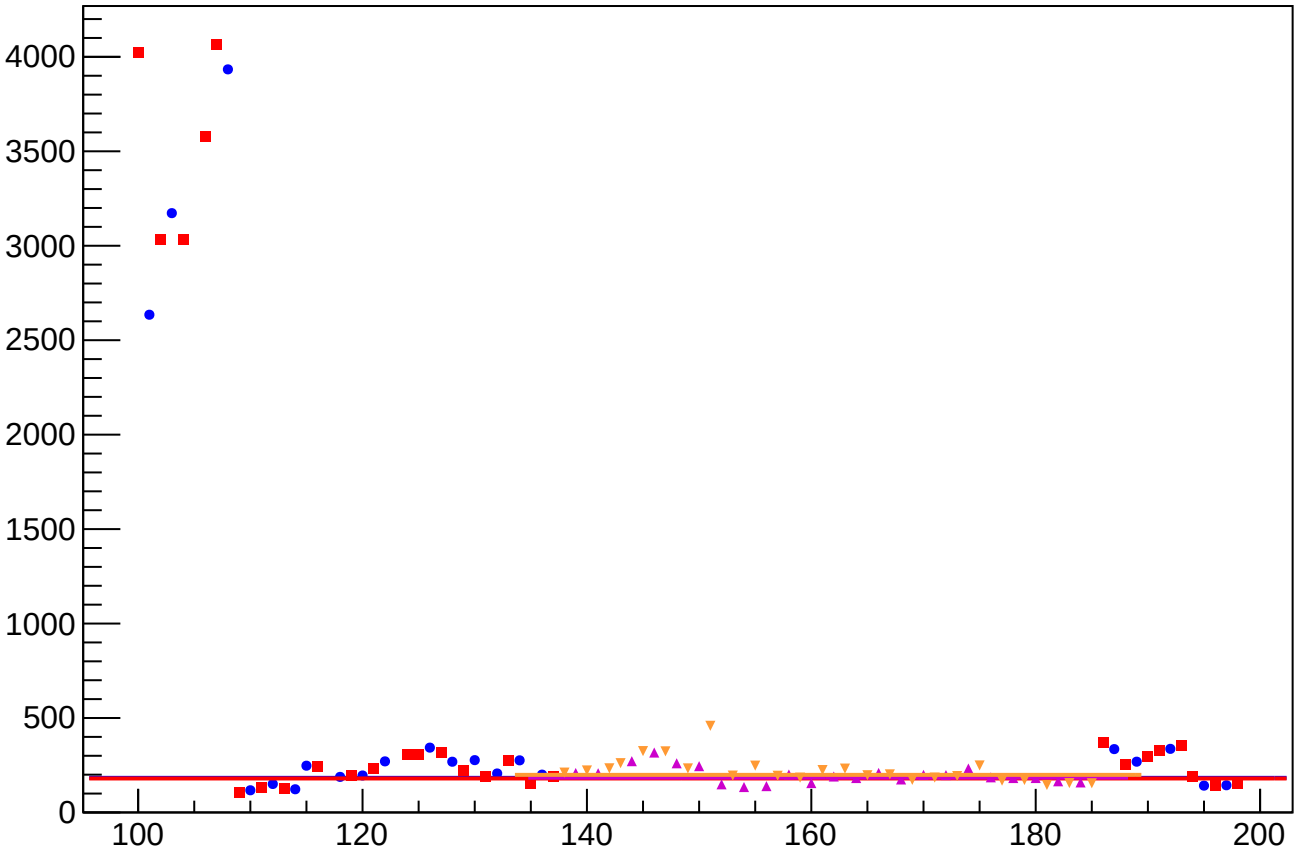
Right Out: 138.955+/-58.602 χ^2/NDF: 17.8/26

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 40.976+/-37.932 χ^2/NDF: 43.2/45

All: 7.206+/-25.969 χ^2/NDF: 82.5/95

- sign -22.584+/-35.627 χ^2/NDF: 37.8/49



Right In: 183.187+/-0.046 χ^2/NDF: 4700076.0/20

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 179.904+/-0.041 χ^2/NDF: 5439376.3/26

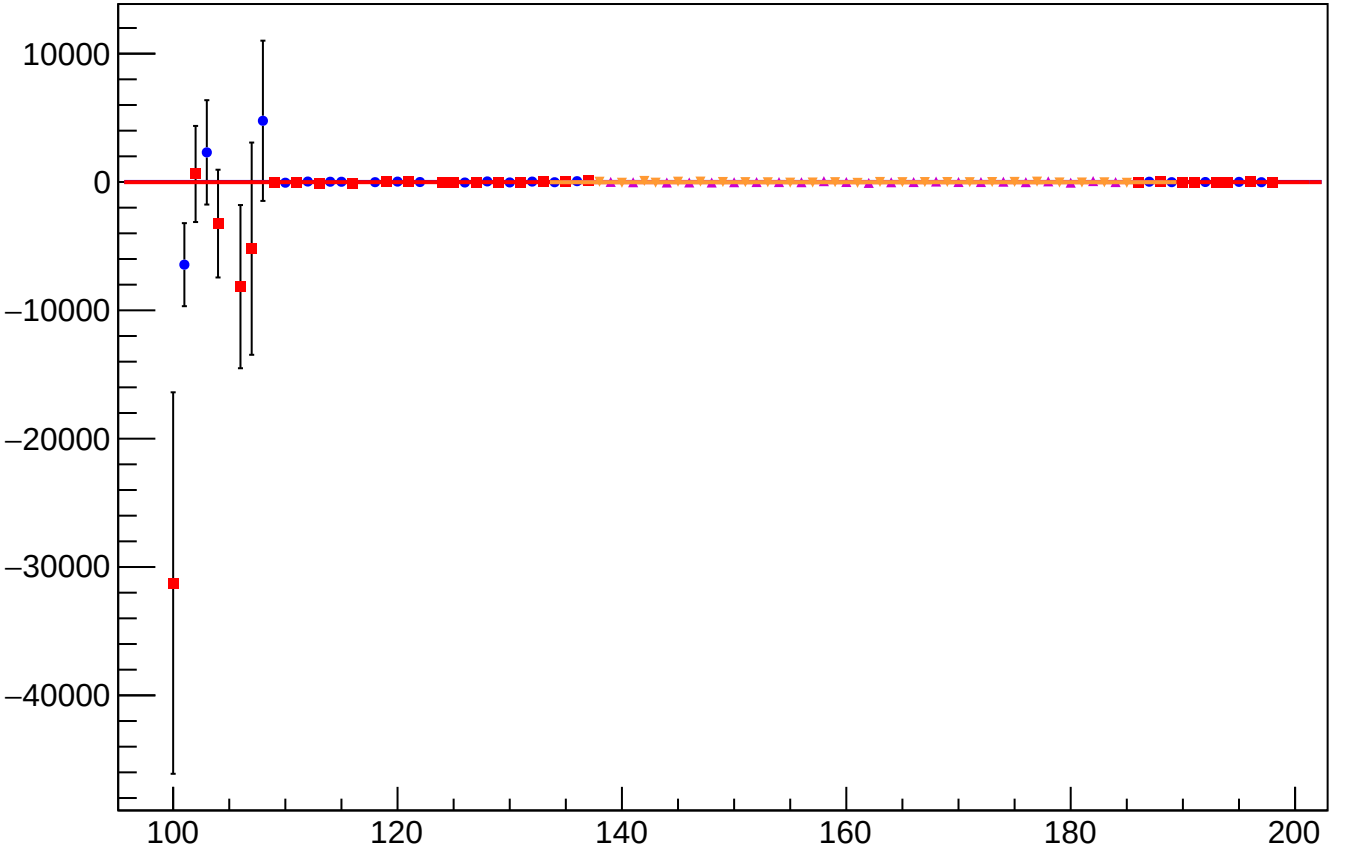
Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 193.516+/-0.027 χ^2/NDF: 6680880.5/45

All: 187.789+/-0.018 χ^2/NDF: 13659776.0/95

- sign 182.737+/-0.025 χ^2/NDF: 6893100.5/49

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 4.944+/-9.168 χ^2/NDF: 17.0/20

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -12.976+/-8.440 χ^2/NDF: 28.3/26

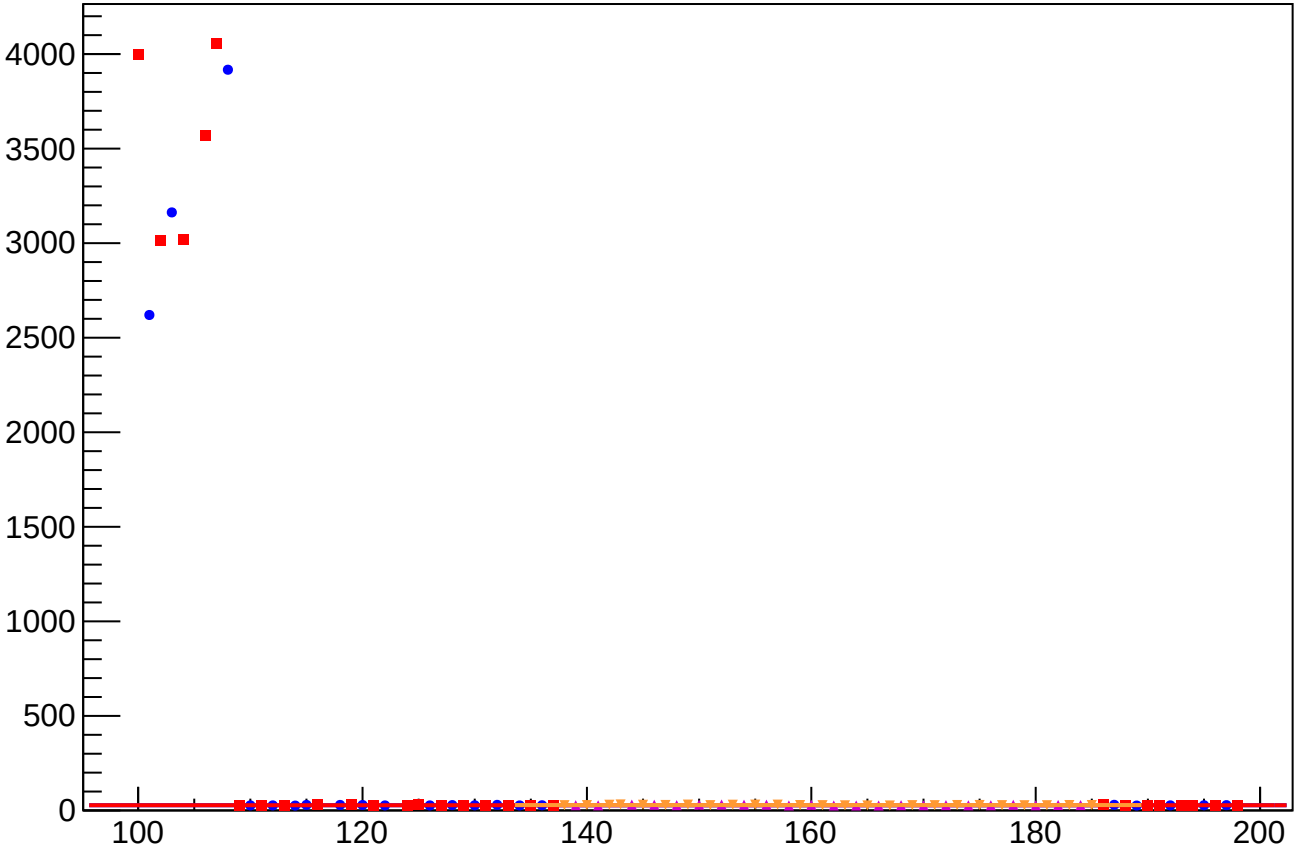
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.198+/-5.309 χ^2/NDF: 42.3/45

All: -7.264+/-3.733 χ^2/NDF: 100.0/95

- sign -6.351+/-5.249 χ^2/NDF: 57.6/49

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.498+/-0.006 χ^2/NDF: 3273494.0/20

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

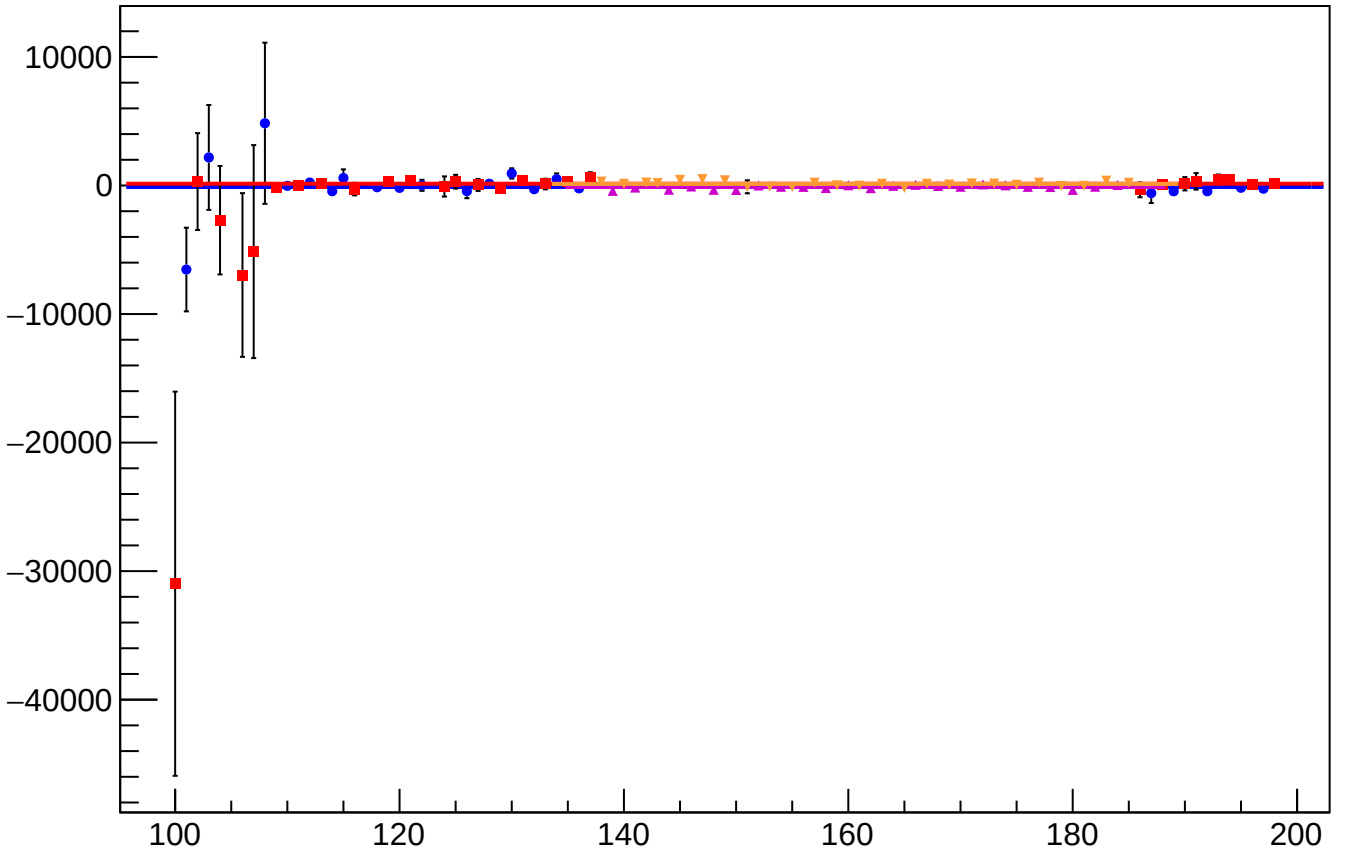
Right Out: 27.637+/-0.006 χ^2/NDF: 3581589.8/26

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.221+/-0.004 χ^2/NDF: 3380334.2/45

All: 28.226+/-0.003 χ^2/NDF: 7101016.9/95

- sign 28.231+/-0.004 χ^2/NDF: 3720679.1/49



Right In: -115.490+/-64.251 χ^2/NDF: 22.8/20

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 137.926+/-58.441 χ^2/NDF: 18.1/26

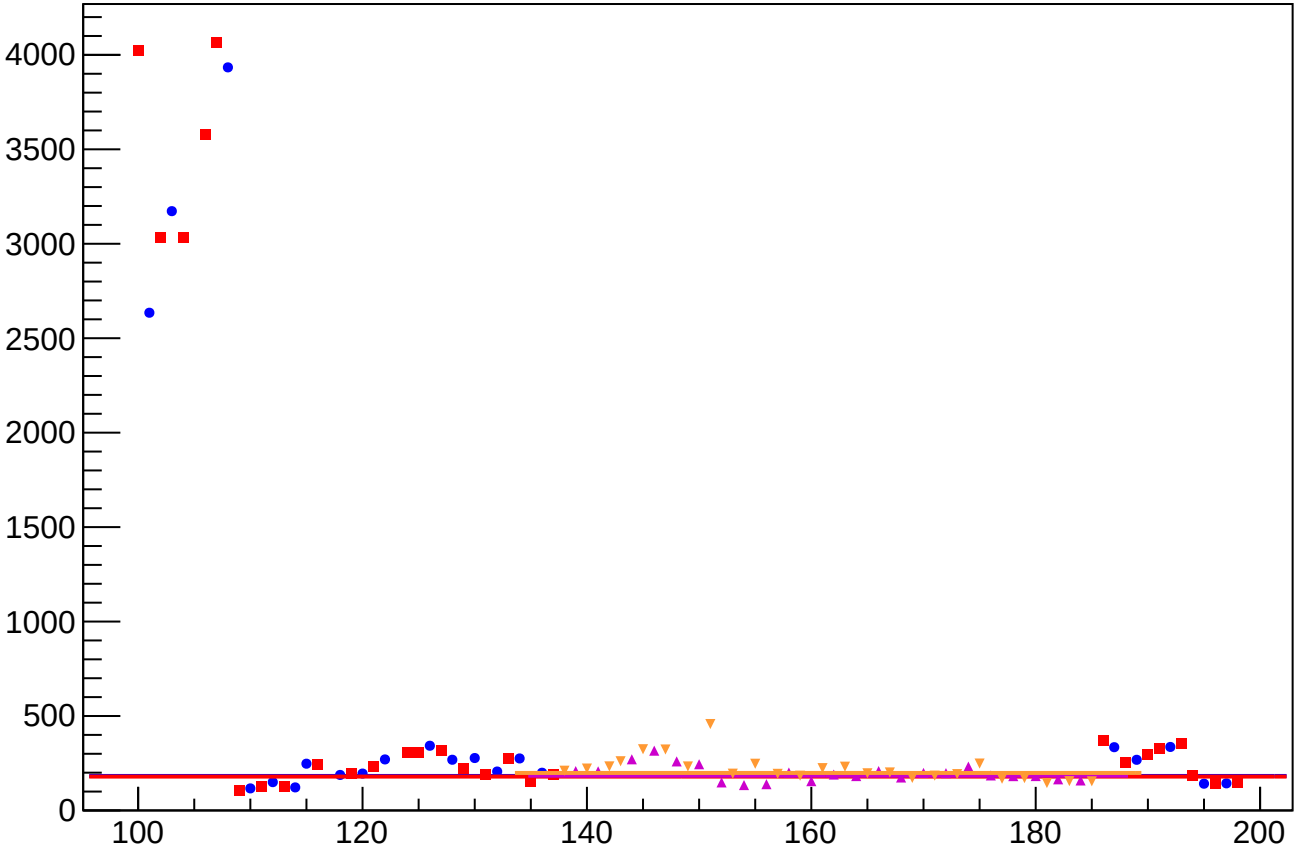
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 39.564+/-37.842 χ^2/NDF: 43.7/45

All: 6.752+/-25.909 χ^2/NDF: 83.6/95

- sign -22.202+/-35.548 χ^2/NDF: 38.4/49

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.594+/-0.045 χ^2/NDF: 4713792.0/20

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

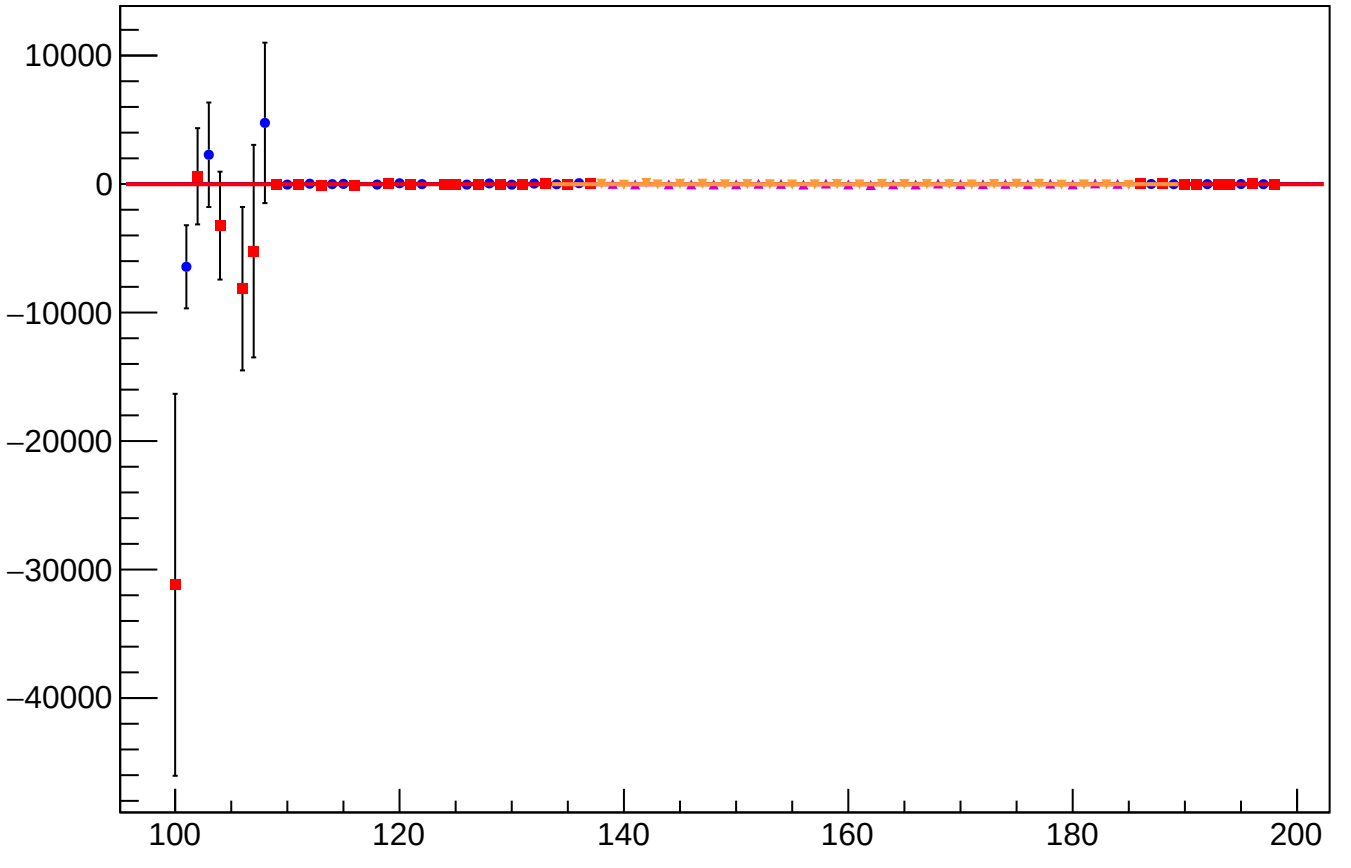
Right Out: 179.322+/-0.041 χ^2/NDF: 5458219.9/26

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 193.028+/-0.027 χ^2/NDF: 6696064.5/45

All: 187.330+/-0.018 χ^2/NDF: 13693333.1/95

- sign 182.301+/-0.025 χ^2/NDF: 6911894.4/49



Right In: 1.808+/-9.188 χ^2/NDF: 18.8/20

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

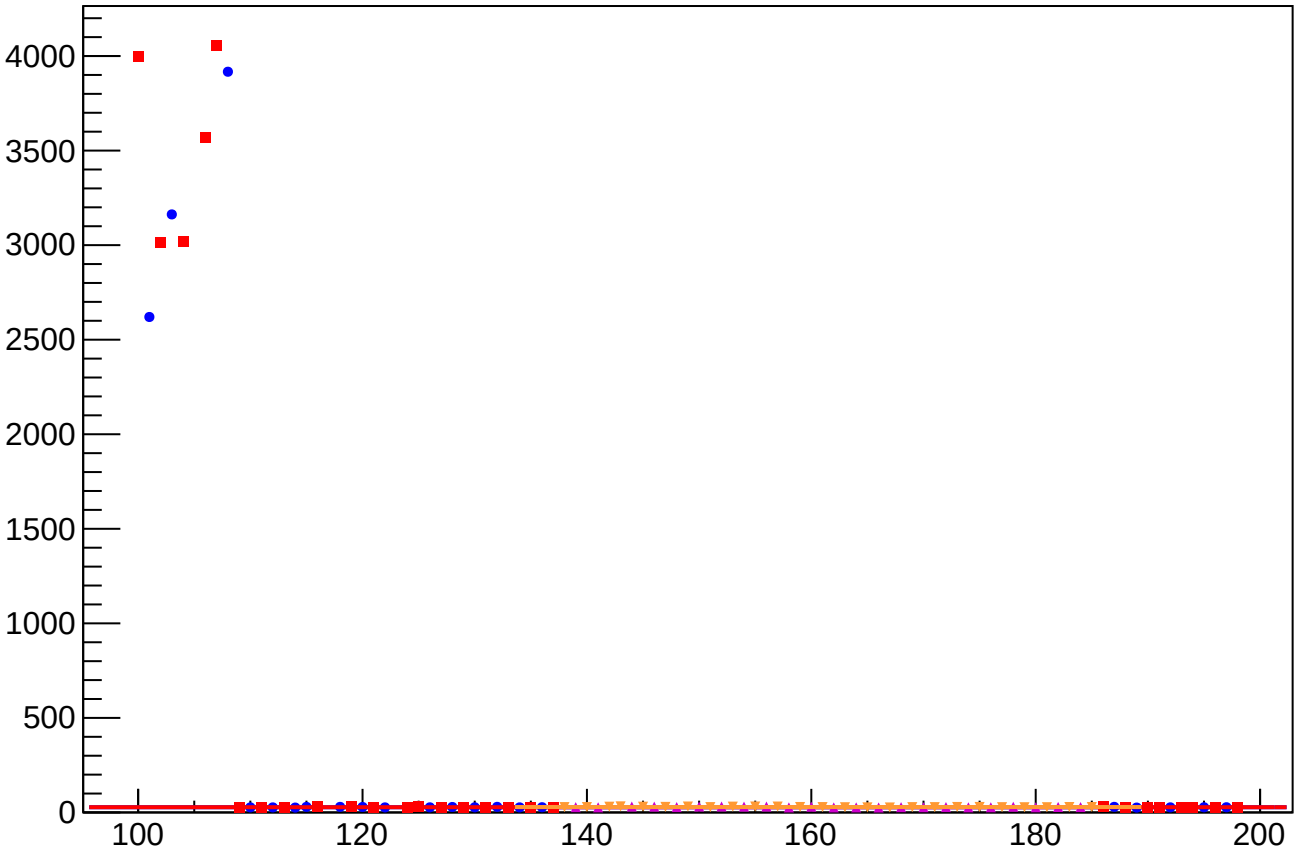
Right Out: -13.781+/-8.453 χ^2/NDF: 27.3/26

Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

\+ sign -7.265+/-5.328 χ^2/NDF: 38.2/45

All: -7.093+/-3.746 χ^2/NDF: 88.7/95

\- sign -6.925+/-5.266 χ^2/NDF: 50.5/49



Right In: 27.554+/-0.006 χ^2/NDF: 3274767.1/20

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

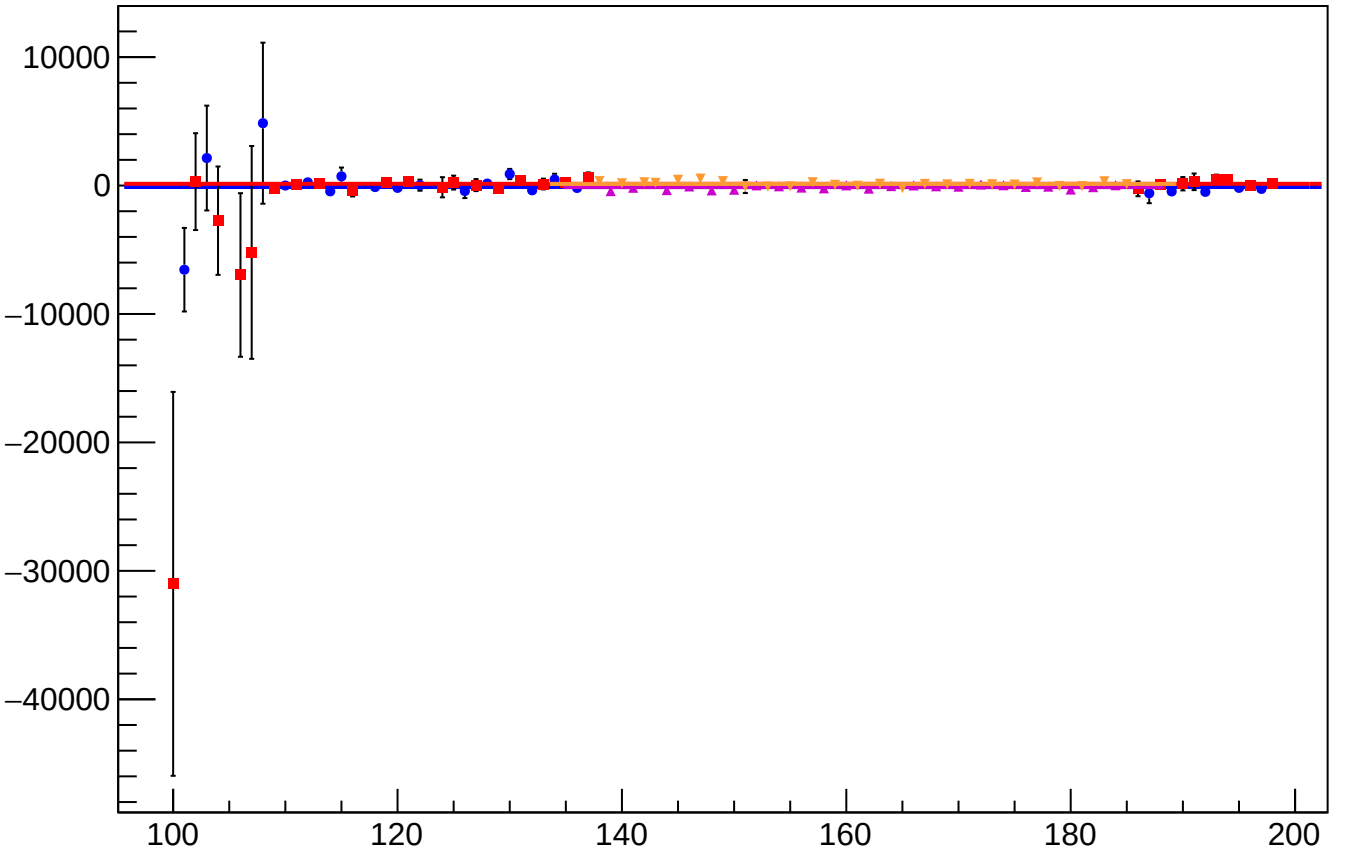
Right Out: 27.681+/-0.006 χ^2/NDF: 3578077.6/26

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.320+/-0.004 χ^2/NDF: 3394542.7/45

All: 28.321+/-0.003 χ^2/NDF: 7118746.0/95

\- sign 28.322+/-0.004 χ^2/NDF: 3724203.1/49



Right In: -114.566+/-64.819 χ^2/NDF: 23.4/20

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

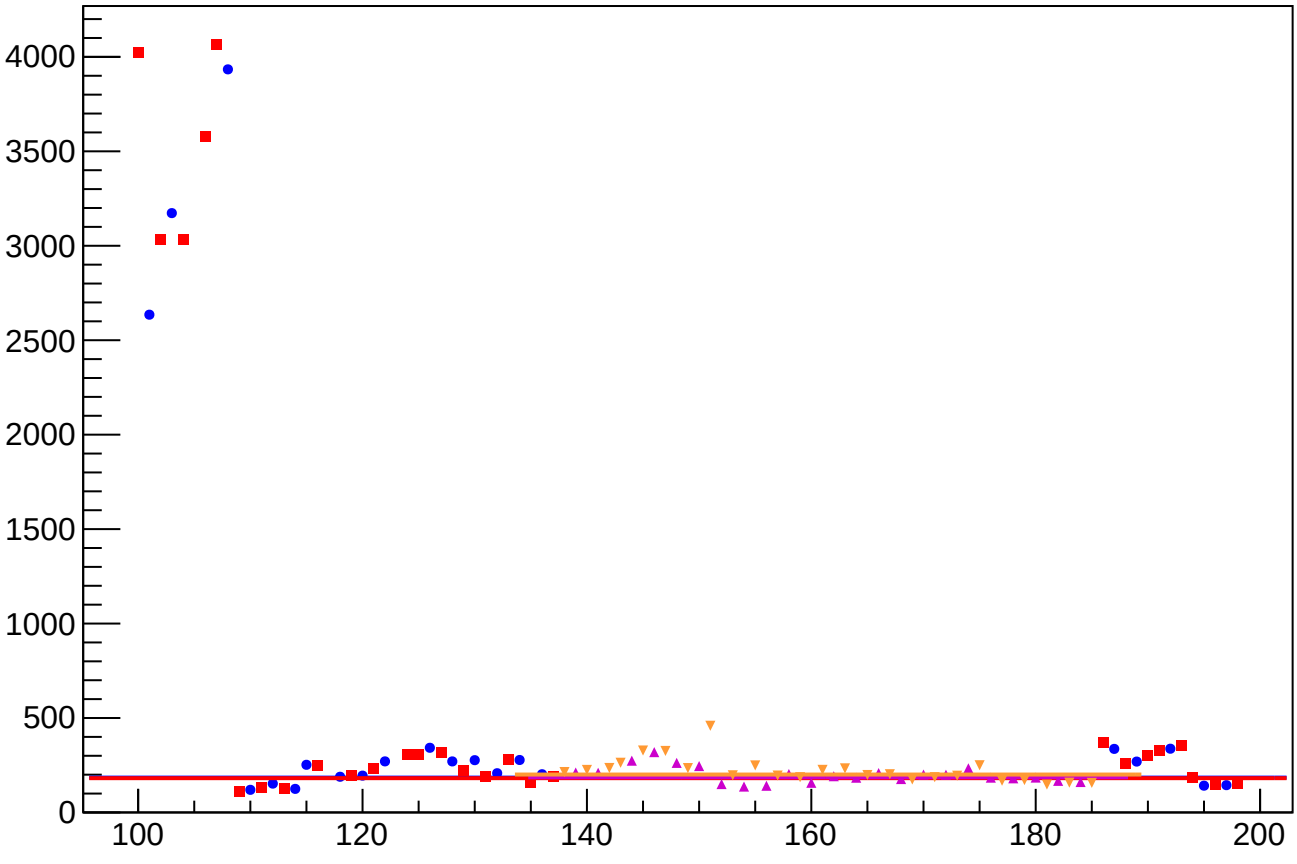
Right Out: 134.820+/-59.027 χ^2/NDF: 17.3/26

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 40.364+/-38.208 χ^2/NDF: 43.5/45

All: 4.316+/-26.171 χ^2/NDF: 83.0/95

- sign -27.547+/-35.921 χ^2/NDF: 37.8/49



Right In: 184.445+/-0.046 χ^2/NDF: 4675064.8/20

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 181.492+/-0.042 χ^2/NDF: 5385130.8/26

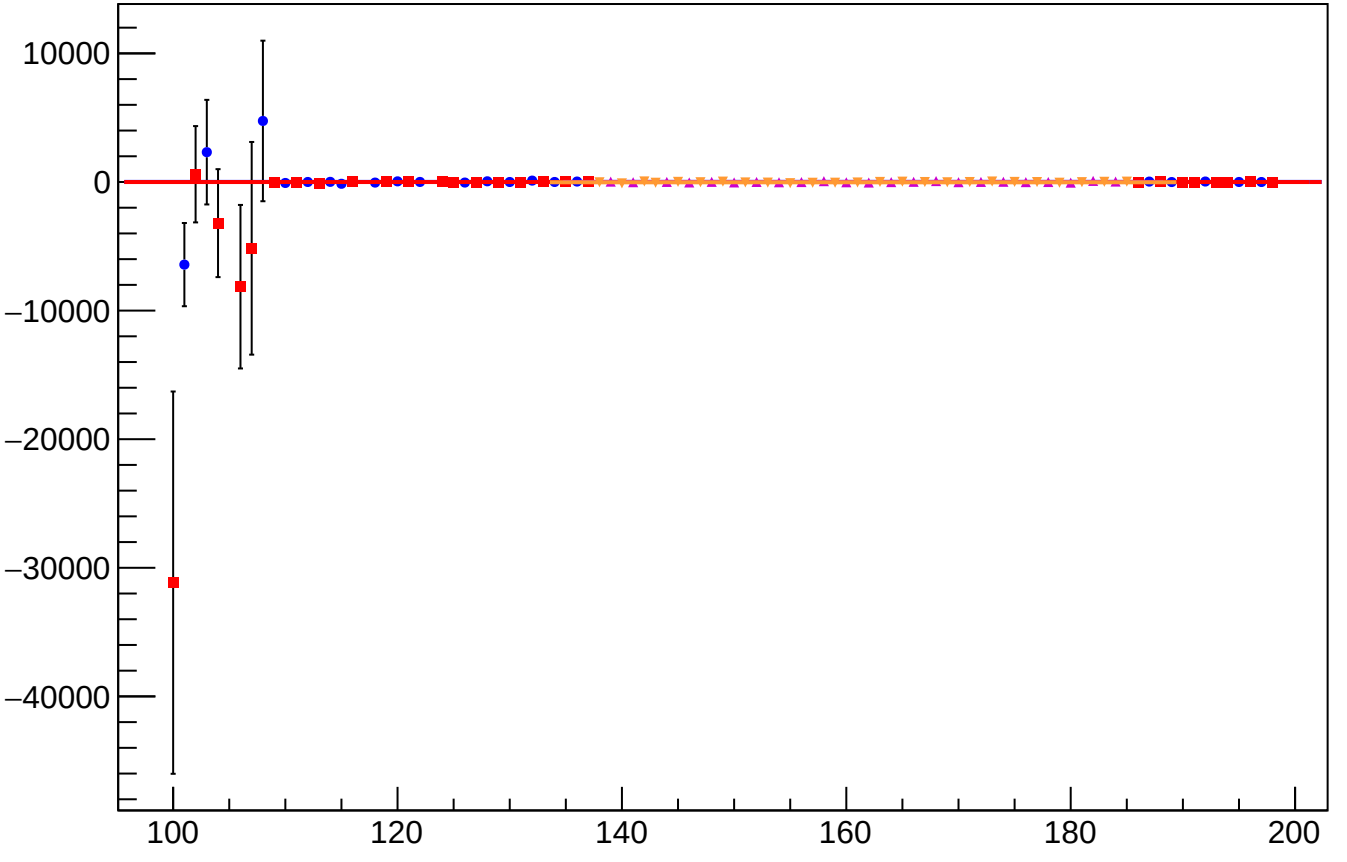
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 195.043+/-0.027 χ^2/NDF: 6637076.9/45

All: 189.413+/-0.019 χ^2/NDF: 13525297.7/95

- sign 184.437+/-0.025 χ^2/NDF: 6806424.3/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 8.009+/-11.198 χ^2/NDF: 18.5/20

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -3.308+/-10.294 χ^2/NDF: 29.1/26

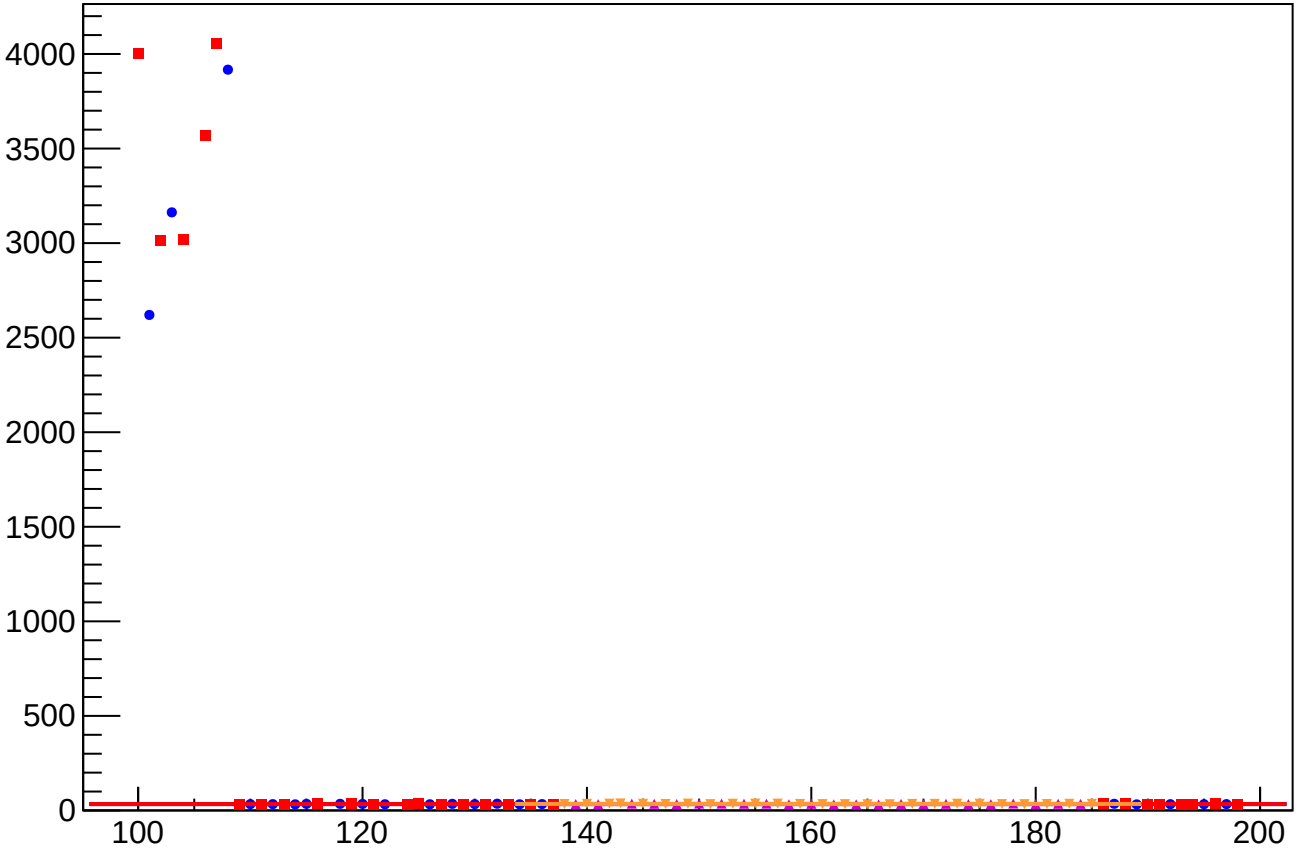
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -11.618+/-6.420 χ^2/NDF: 46.0/45

All: -5.131+/-4.517 χ^2/NDF: 96.3/95

- sign 1.230+/-6.357 χ^2/NDF: 48.4/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.629+/-0.008 χ^2/NDF: 3248689.8/20

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

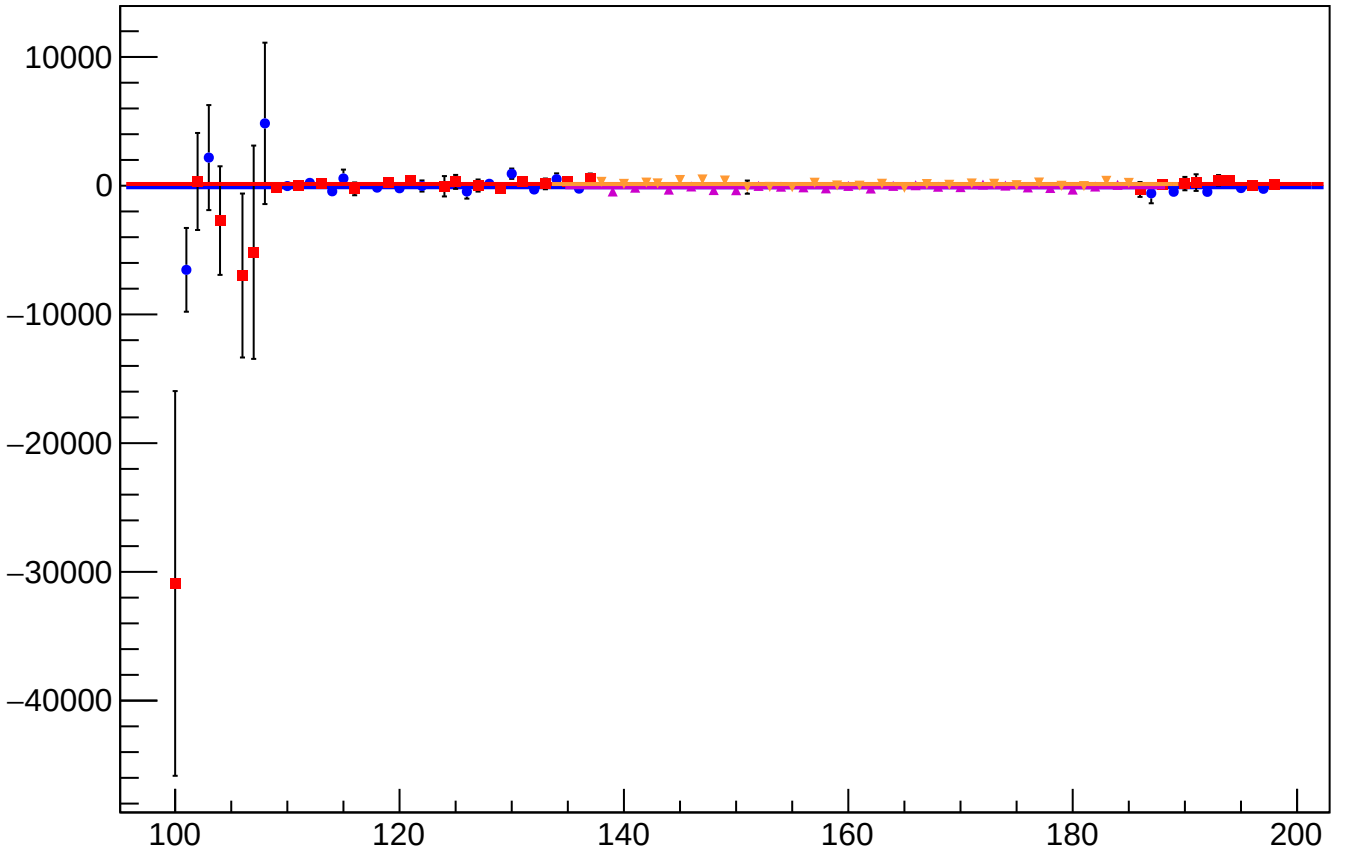
Right Out: 33.767+/-0.007 χ^2/NDF: 3537714.5/26

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

\+ sign 34.172+/-0.005 χ^2/NDF: 3300402.0/45

All: 34.213+/-0.003 χ^2/NDF: 6904755.2/95

\- sign 34.252+/-0.004 χ^2/NDF: 3604196.1/49



Right In: -121.117+/-64.594 χ^2/NDF: 22.7/20

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

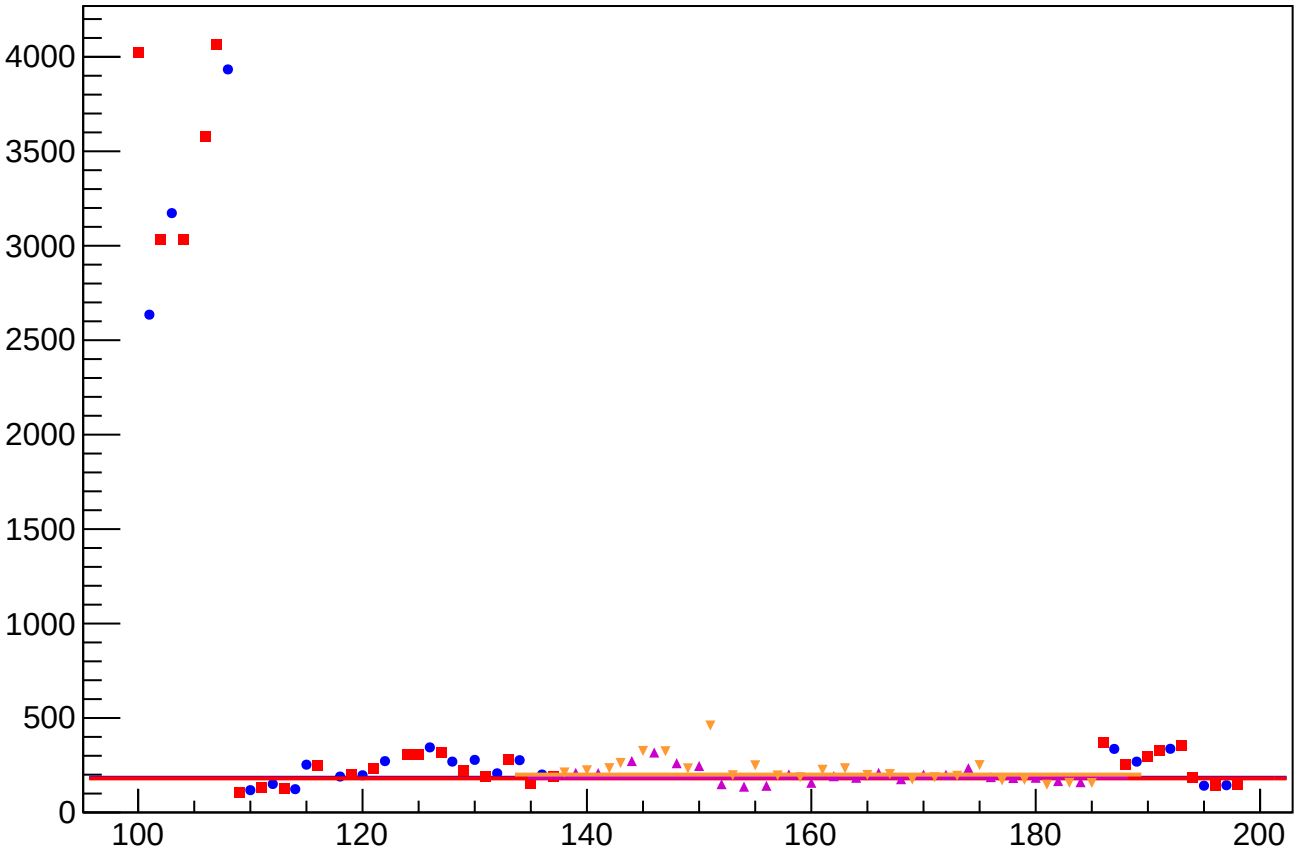
Right Out: 133.614+/-58.753 χ^2/NDF: 16.7/26

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

\+ sign 41.016+/-38.124 χ^2/NDF: 44.0/45

All: 4.643+/-26.107 χ^2/NDF: 82.4/95

\- sign -27.474+/-35.824 χ^2/NDF: 36.6/49



Right In: 183.611+/-0.046 χ^2/NDF: 4707238.3/20

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

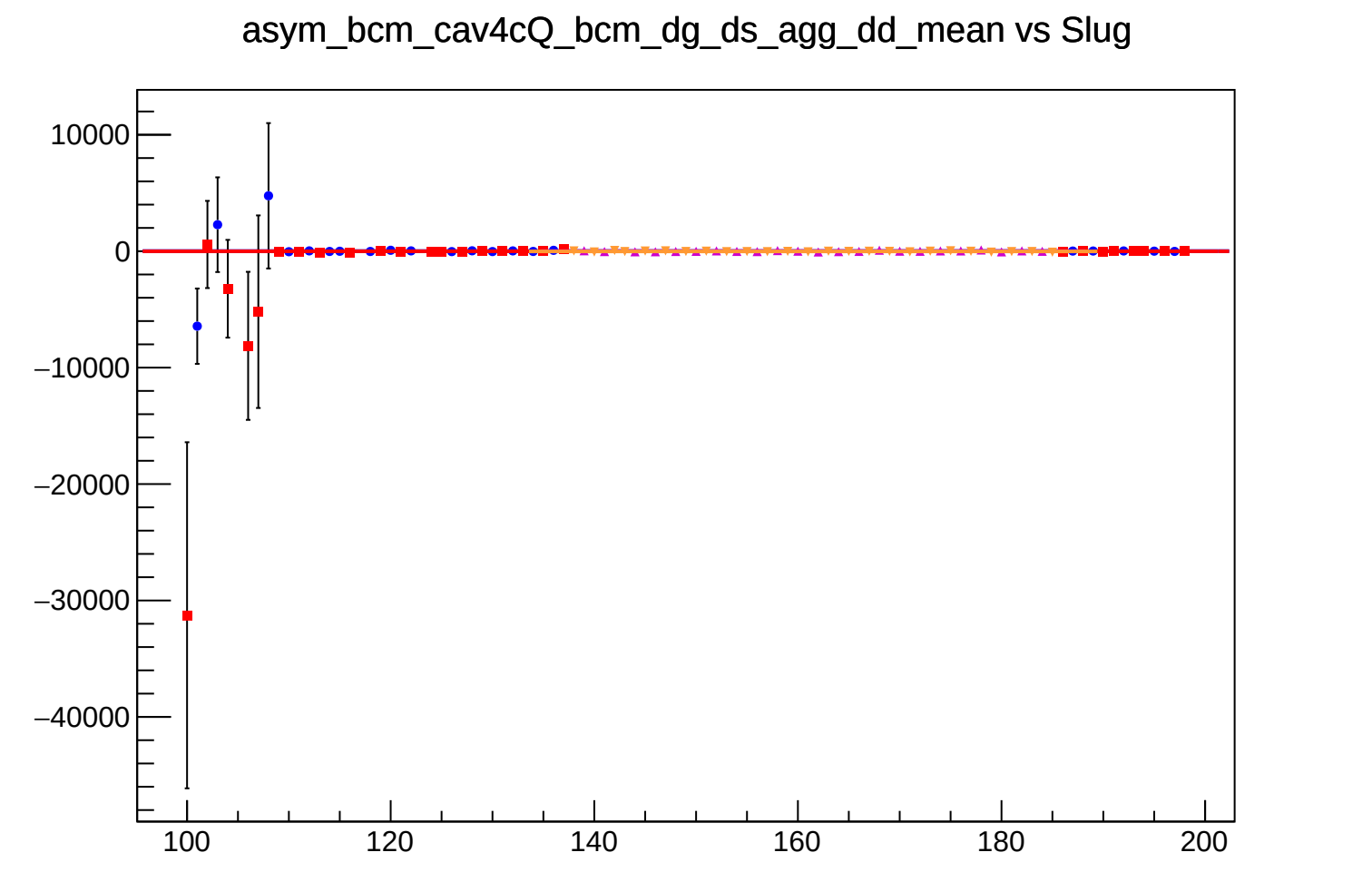
Right Out: 180.373+/-0.042 χ^2/NDF: 5441936.2/26

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 194.533+/-0.027 χ^2/NDF: 6671523.4/45

All: 188.847+/-0.018 χ^2/NDF: 13613748.9/95

- sign 183.827+/-0.025 χ^2/NDF: 6858465.7/49



Right In: 10.810+/-10.176 χ^2/NDF: 16.4/20

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -4.656+/-9.342 χ^2/NDF: 35.7/26

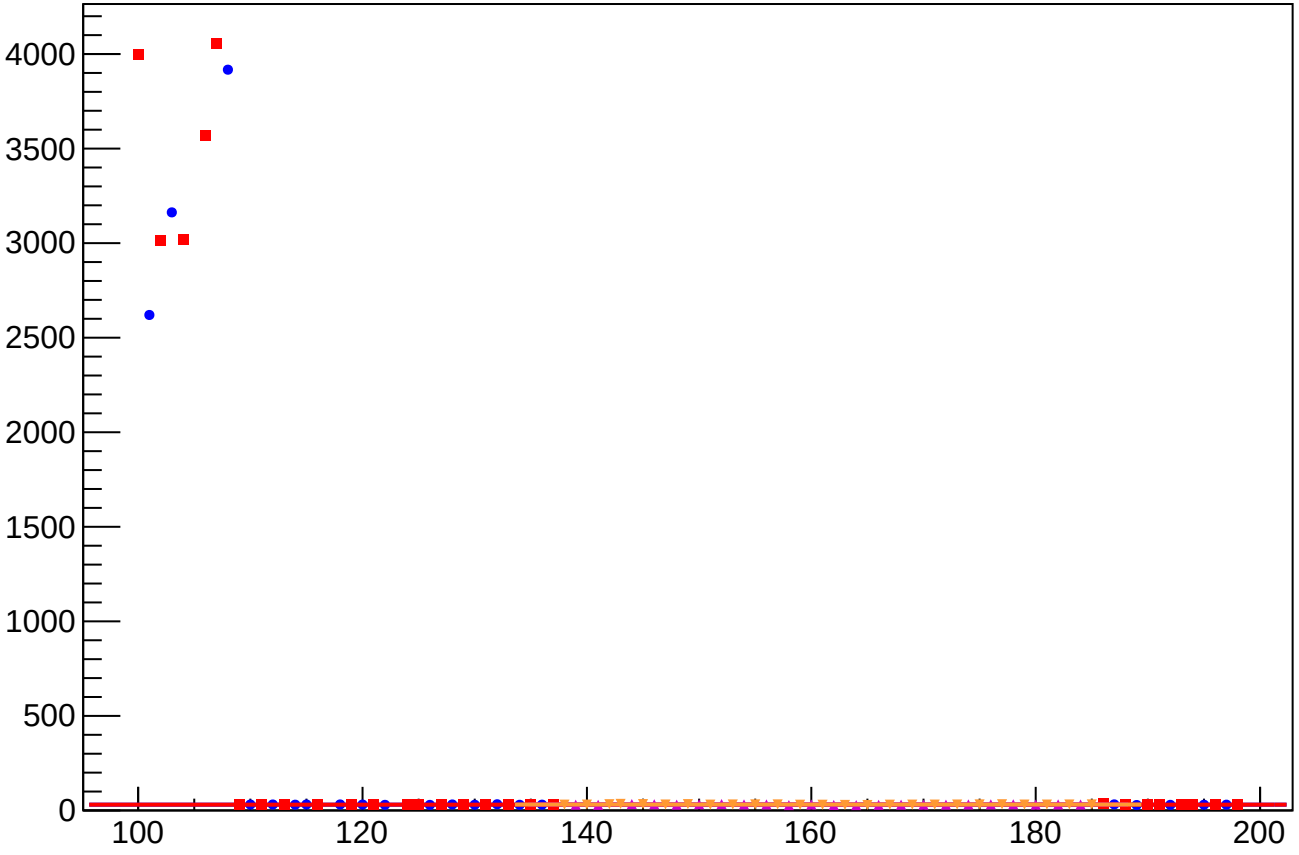
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -8.894+/-5.842 χ^2/NDF: 42.4/45

All: -4.450+/-4.107 χ^2/NDF: 115.2/95

\- sign -0.106+/-5.775 χ^2/NDF: 71.6/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.537+/-0.007 χ^2/NDF: 3261832.3/20

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.617+/-0.007 χ^2/NDF: 3553592.9/26

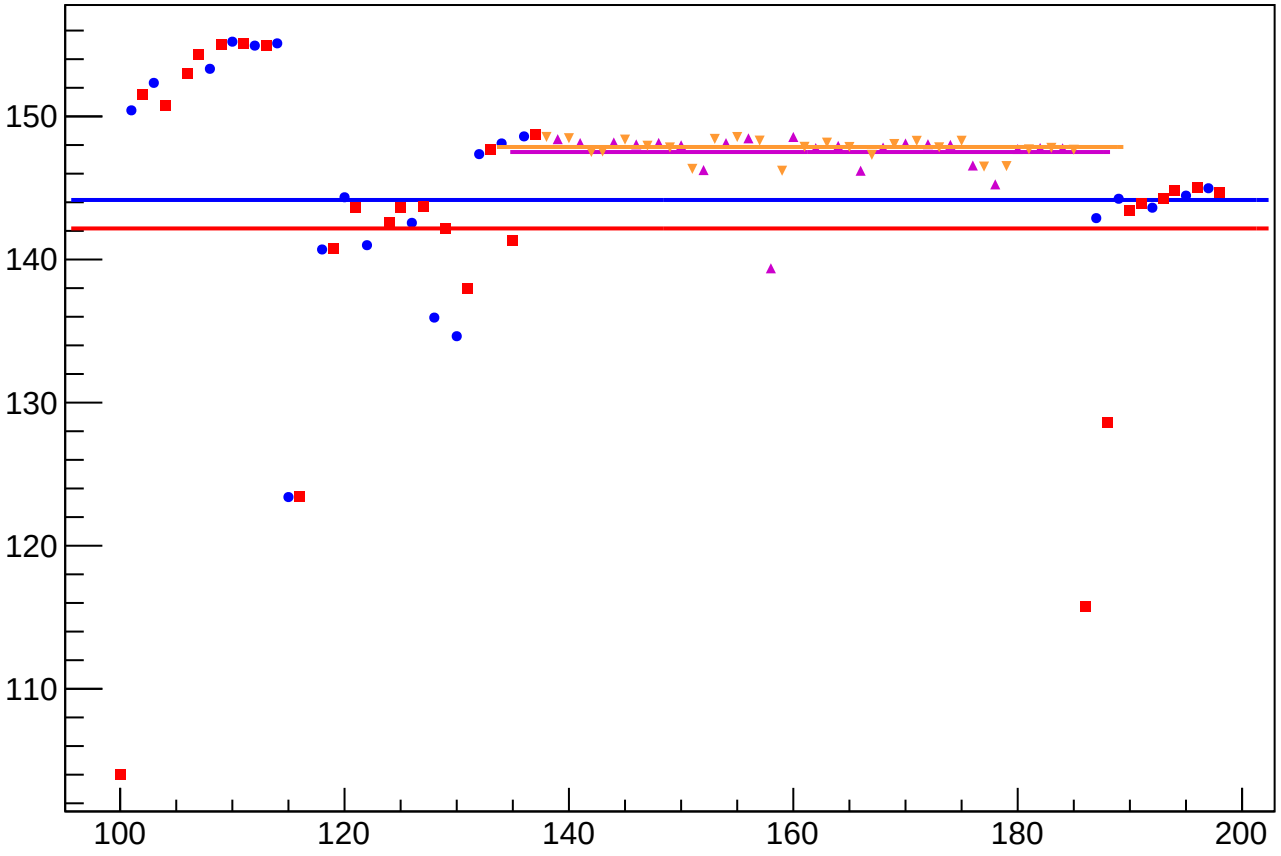
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.075+/-0.004 χ^2/NDF: 3333190.6/45

All: 31.082+/-0.003 χ^2/NDF: 6980257.2/95

\- sign 31.088+/-0.004 χ^2/NDF: 3647062.0/49

yield_bcm_target_mean vs Slug



Right In: 144.161+/-0.000 χ^2/NDF: 3729277234.7/20

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

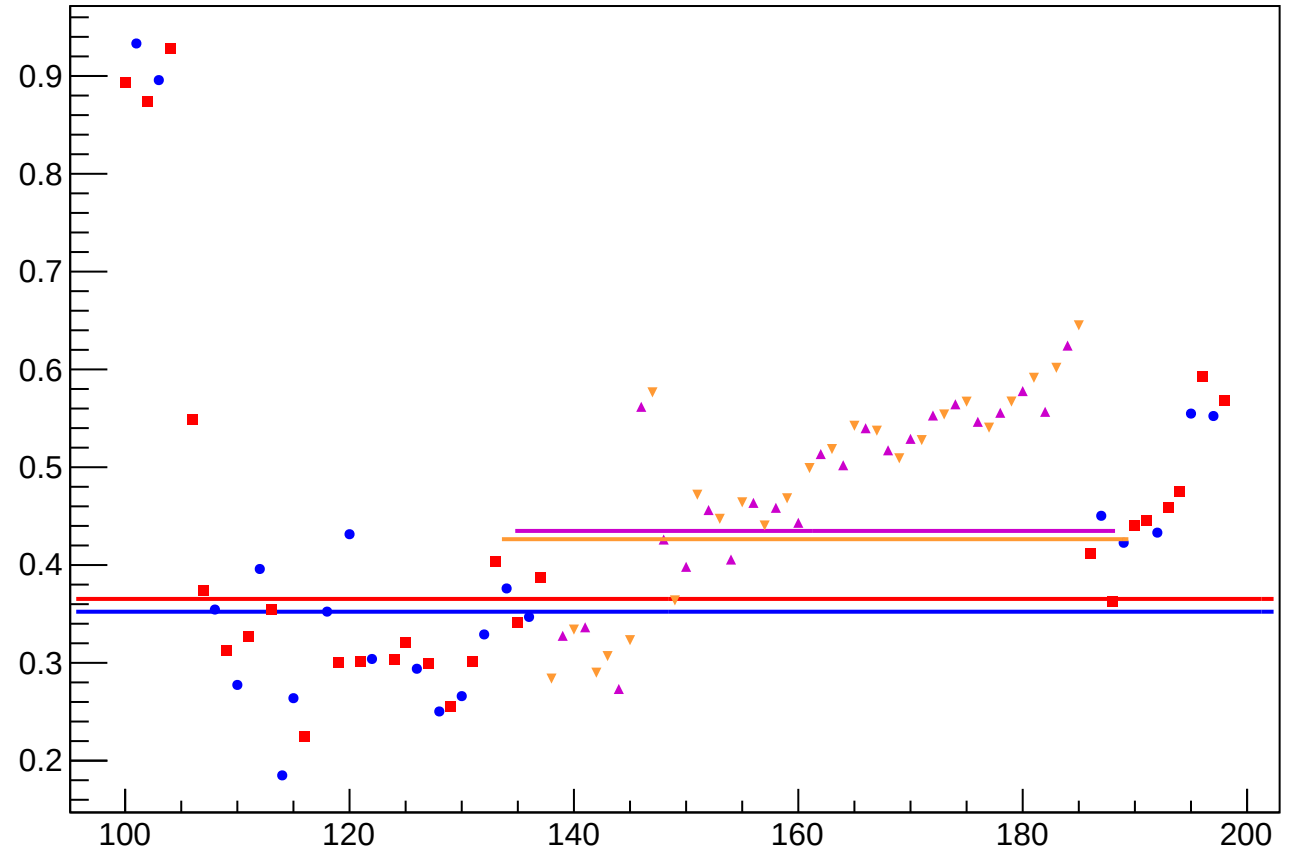
Right Out: 142.171+/-0.000 χ^2/NDF: 7493970861.8/26

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.305+/-0.000 χ^2/NDF: 4334299456.7/45

All: 145.634+/-0.000 χ^2/NDF: 13492983084.

- sign 144.973+/-0.000 χ^2/NDF: 9009008952.1/49



Right In: 0.352+/-0.000 χ^2/NDF: 2007332.0/20

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

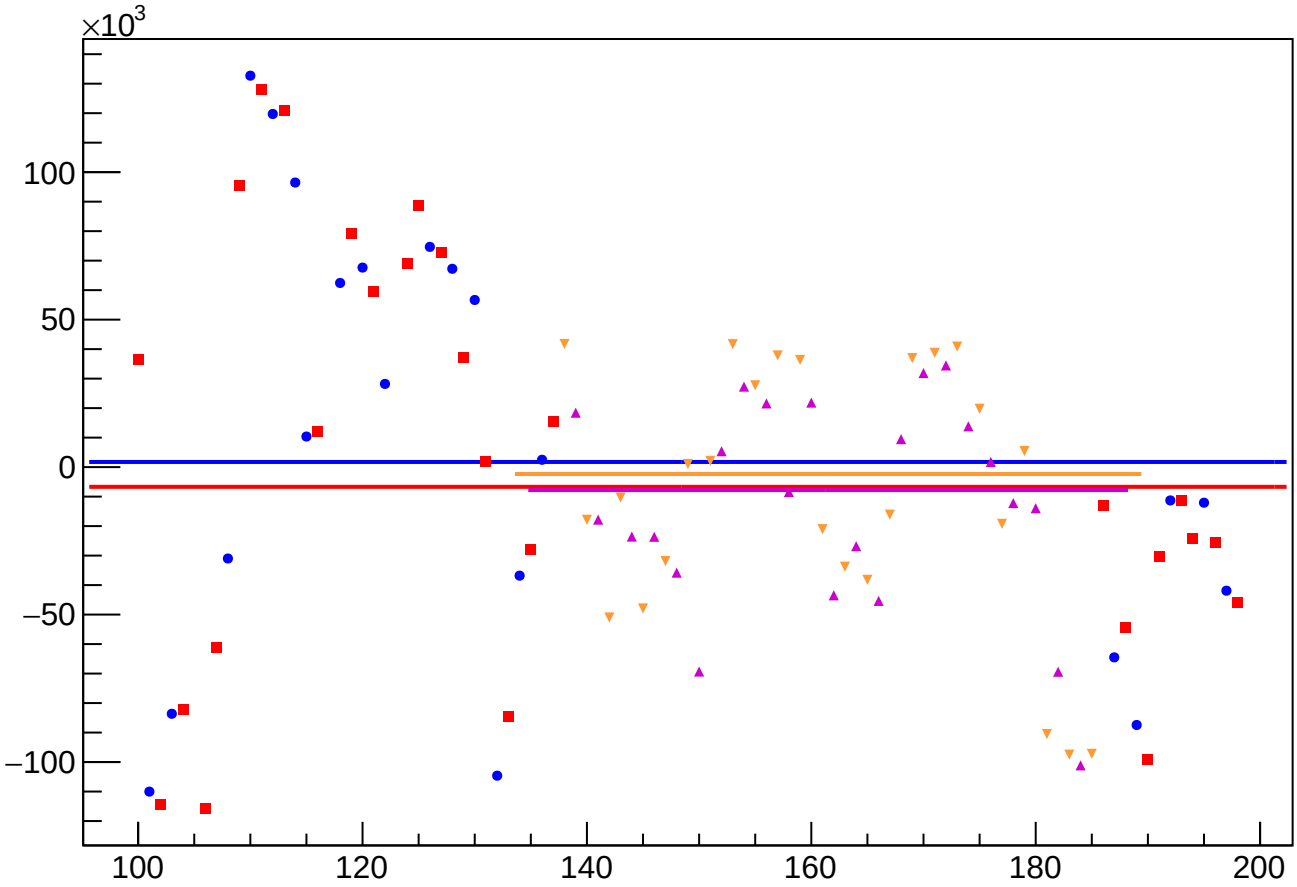
Right Out: 0.365+/-0.000 χ^2/NDF: 2087318.8/26

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.395+/-0.000 χ^2/NDF: 4715621.2/45

All: 0.399+/-0.000 χ^2/NDF: 8994987.8/95

- sign 0.402+/-0.000 χ^2/NDF: 4271955.2/49



Right In: 1745.443+/-1.662 χ^2/NDF: 1687005999.9/20

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -6686.277+/-1.475 χ^2/NDF: 2223326014.9/26

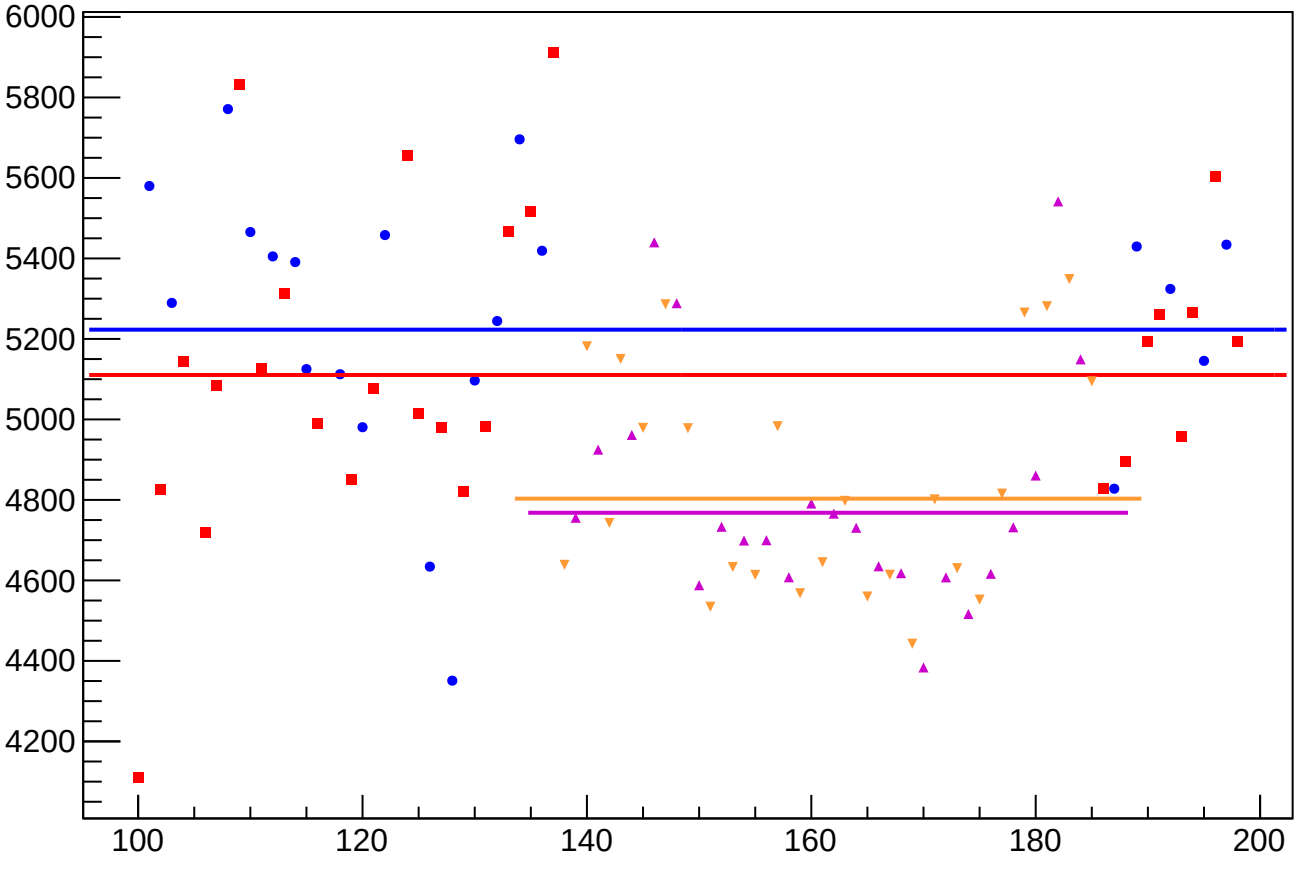
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -1062.274+/-0.931 χ^2/NDF: 2921193284.4/45

All: -4308.897+/-0.649 χ^2/NDF: 5931023550

- sign -7373.777+/-0.904 χ^2/NDF: 2986170785.4/49

yield_bcm_an_diff_rms vs Slug



Right In: 5223.045+/-1.175 χ^2/NDF: 84597.0/20

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

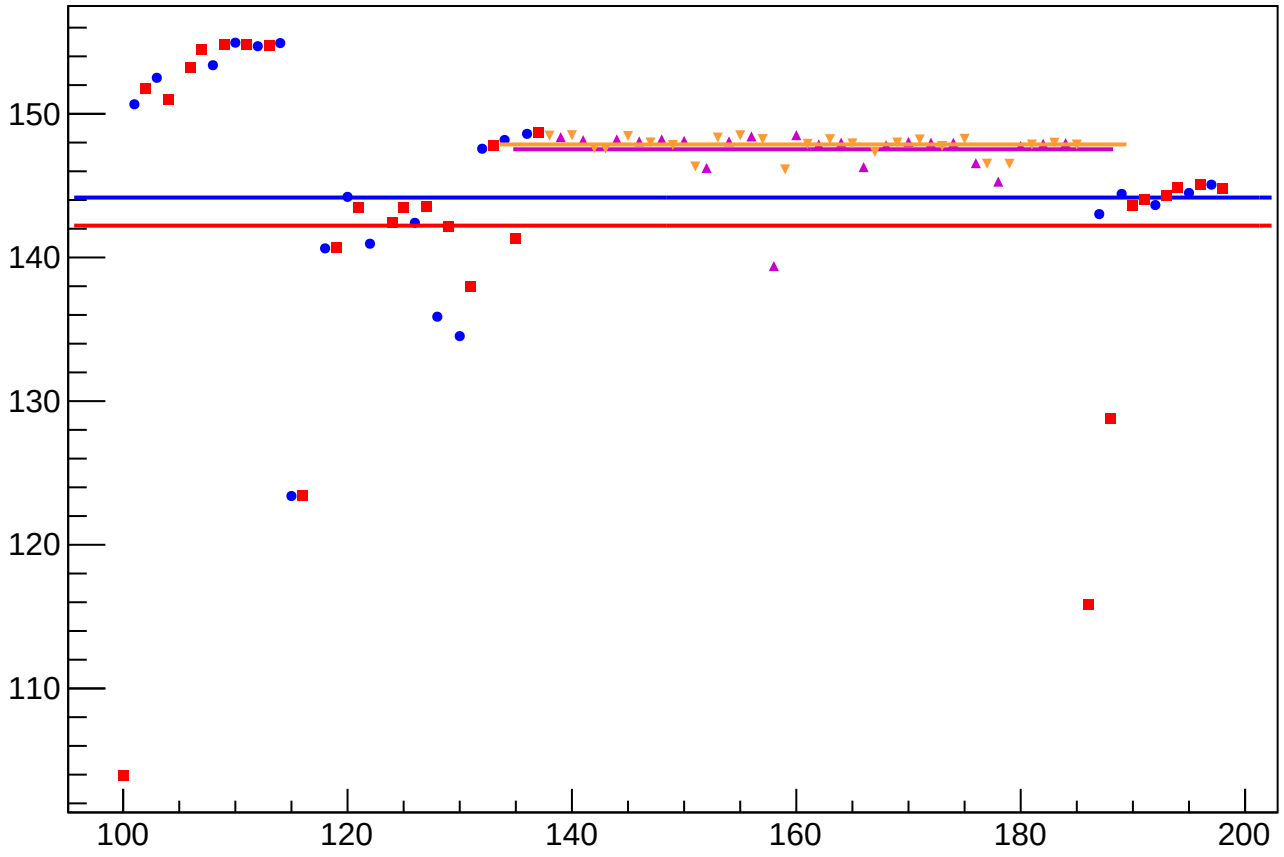
Right Out: 5110.458+/-1.043 χ^2/NDF: 81169.9/26

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4934.806+/-0.658 χ^2/NDF: 286919.6/45

All: 4915.232+/-0.459 χ^2/NDF: 539443.6/95

- sign 4896.754+/-0.639 χ^2/NDF: 250804.0/49



Right In: 144.172+/-0.000 χ^2/NDF: 3769520071.6/20

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

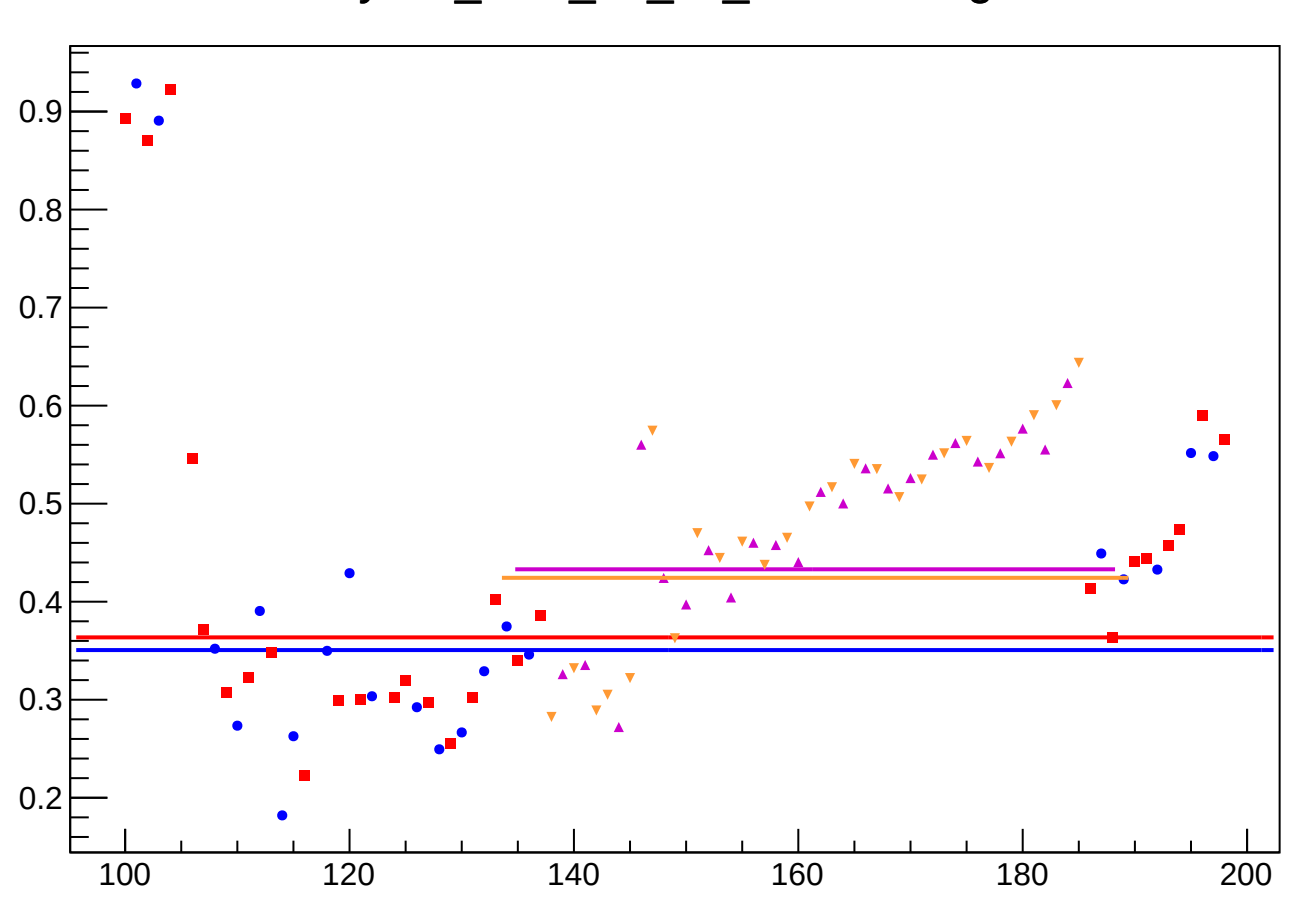
Right Out: 142.217+/-0.000 χ^2/NDF: 7467262555.1/26

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.314+/-0.000 χ^2/NDF: 4377780843.5/45

All: 145.655+/-0.000 χ^2/NDF: 13505657024.

- sign 145.005+/-0.000 χ^2/NDF: 8982122831.3/49



Right In: 0.351+/-0.000 χ^2/NDF: 2009503.6/20

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

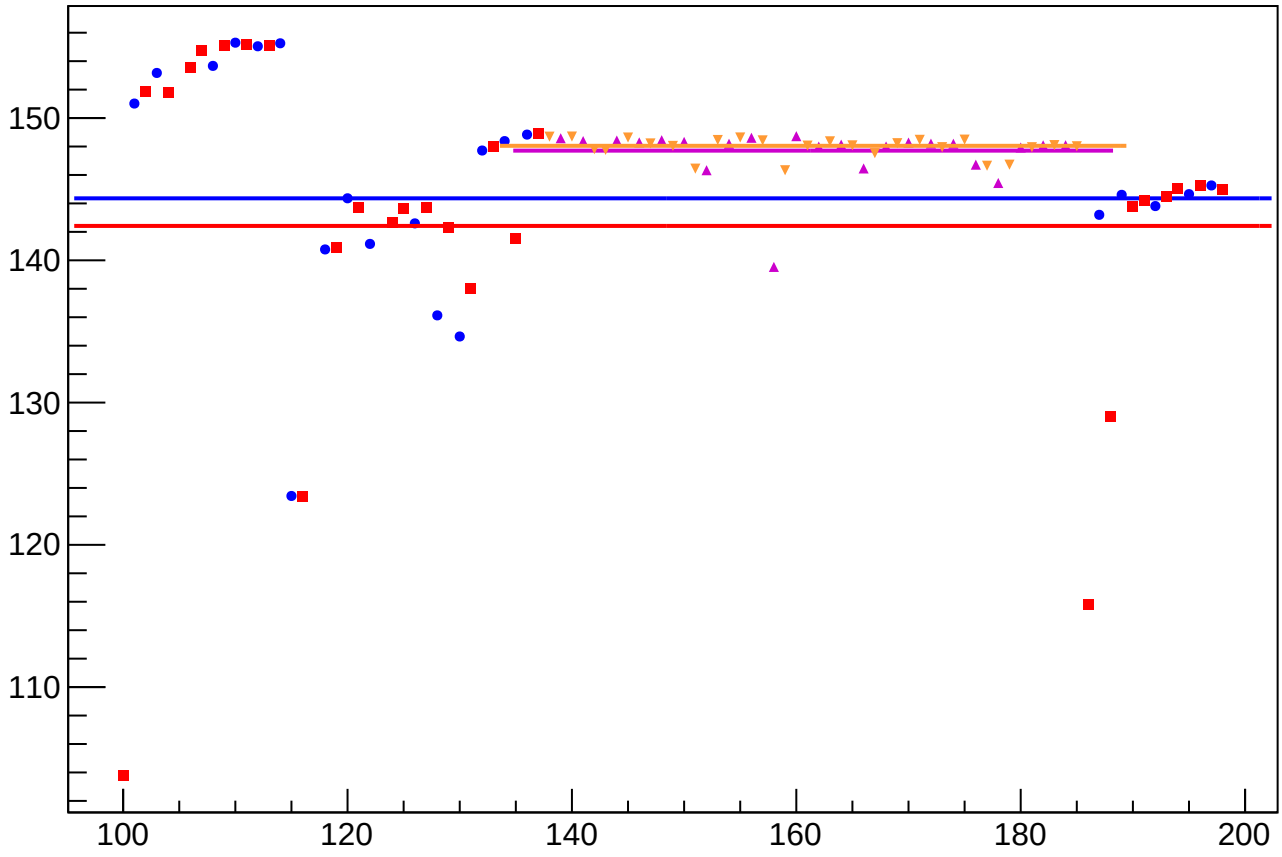
Right Out: 0.364+/-0.000 χ^2/NDF: 2093837.4/26

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.393+/-0.000 χ^2/NDF: 4718183.4/45

All: 0.397+/-0.000 χ^2/NDF: 9003287.7/95

- sign 0.400+/-0.000 χ^2/NDF: 4277479.6/49



Right In: 144.357+/-0.000 χ^2/NDF: 3763360585.0/20

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.418+/-0.000 χ^2/NDF: 7402826540.2/26

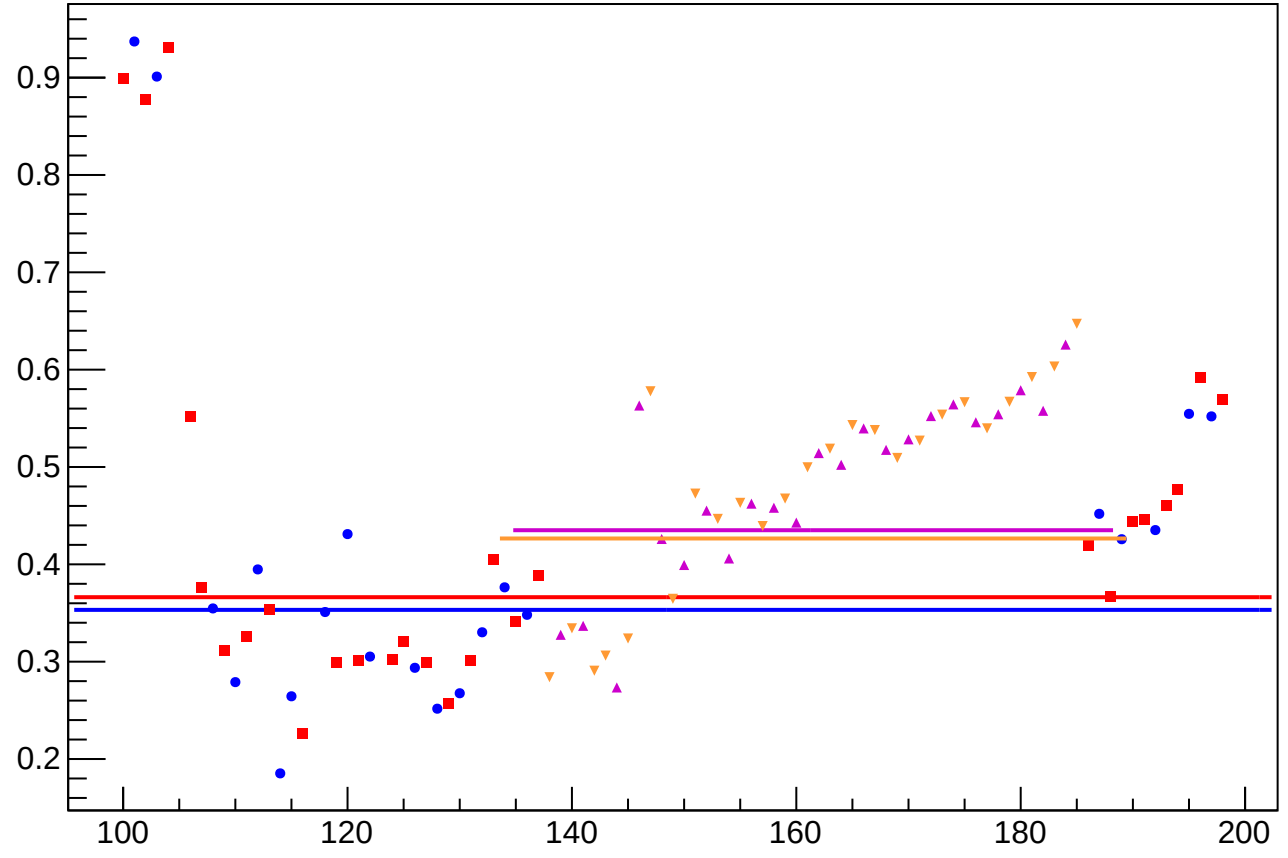
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.499+/-0.000 χ^2/NDF: 4363229956.5/45

All: 145.846+/-0.000 χ^2/NDF: 13403063081.

- sign 145.201+/-0.000 χ^2/NDF: 8898073027.7/49

yield_bcm_an_ds3_rms vs Slug



Right In: 0.353+/-0.000 χ^2/NDF: 2001905.6/20

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

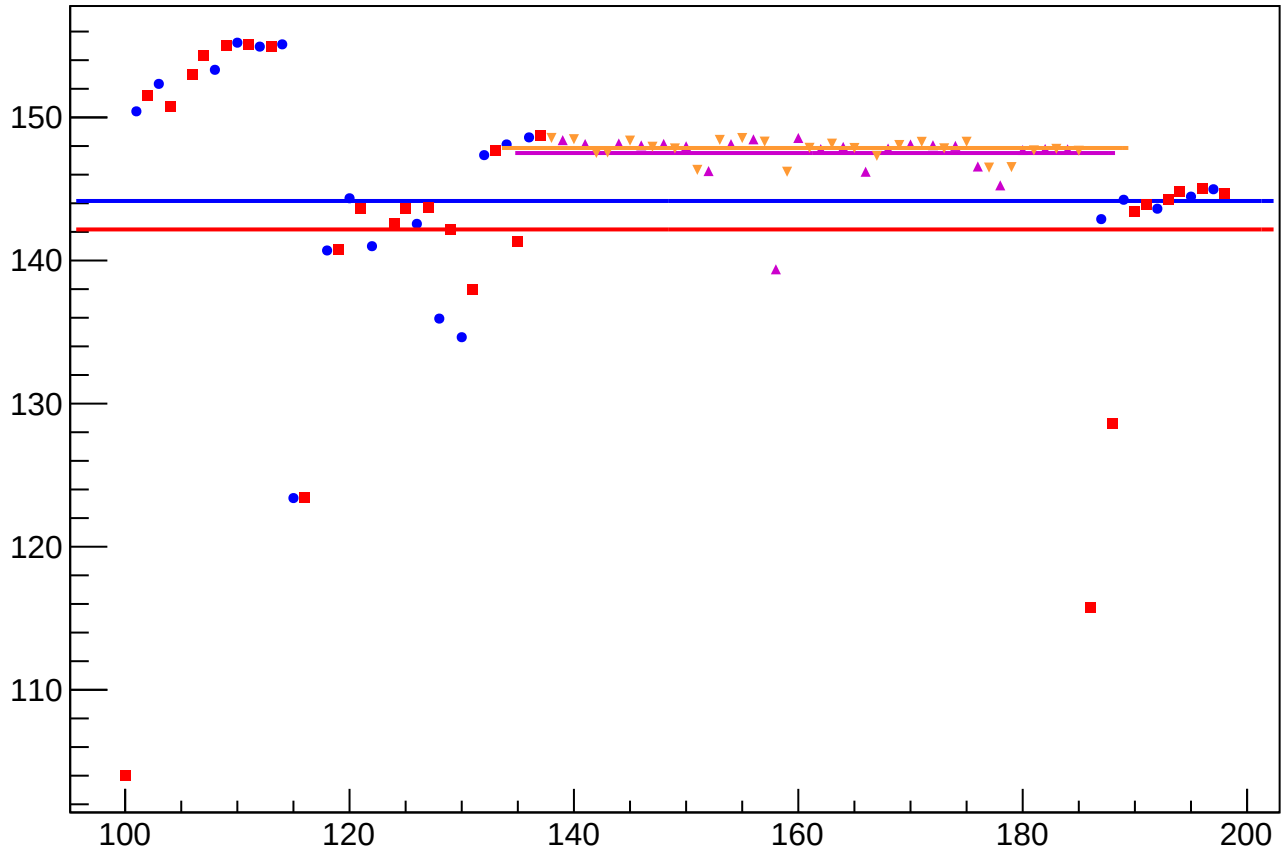
Right Out: 0.366+/-0.000 χ^2/NDF: 2092929.2/26

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.396+/-0.000 χ^2/NDF: 4697308.8/45

All: 0.399+/-0.000 χ^2/NDF: 8967534.5/95

- sign 0.402+/-0.000 χ^2/NDF: 4262741.5/49



Right In: 144.161+/-0.000 χ^2/NDF: 3729277234.7/20

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

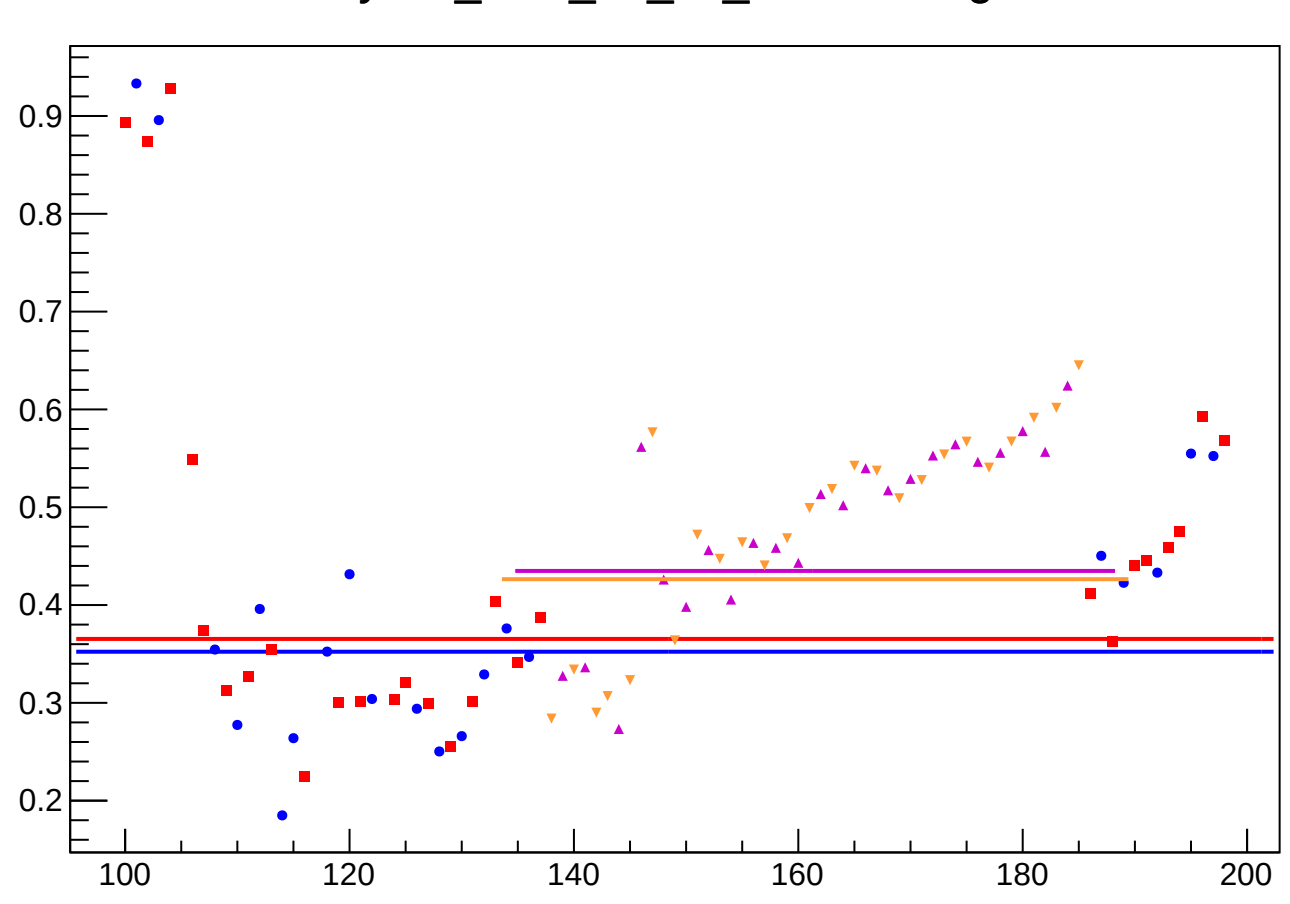
Right Out: 142.171+/-0.000 χ^2/NDF: 7493970861.8/26

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.305+/-0.000 χ^2/NDF: 4334299456.7/45

All: 145.634+/-0.000 χ^2/NDF: 13492983084.

- sign 144.973+/-0.000 χ^2/NDF: 9009008952.1/49



Right In: 0.352+/-0.000 χ^2/NDF: 2007332.0/20

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

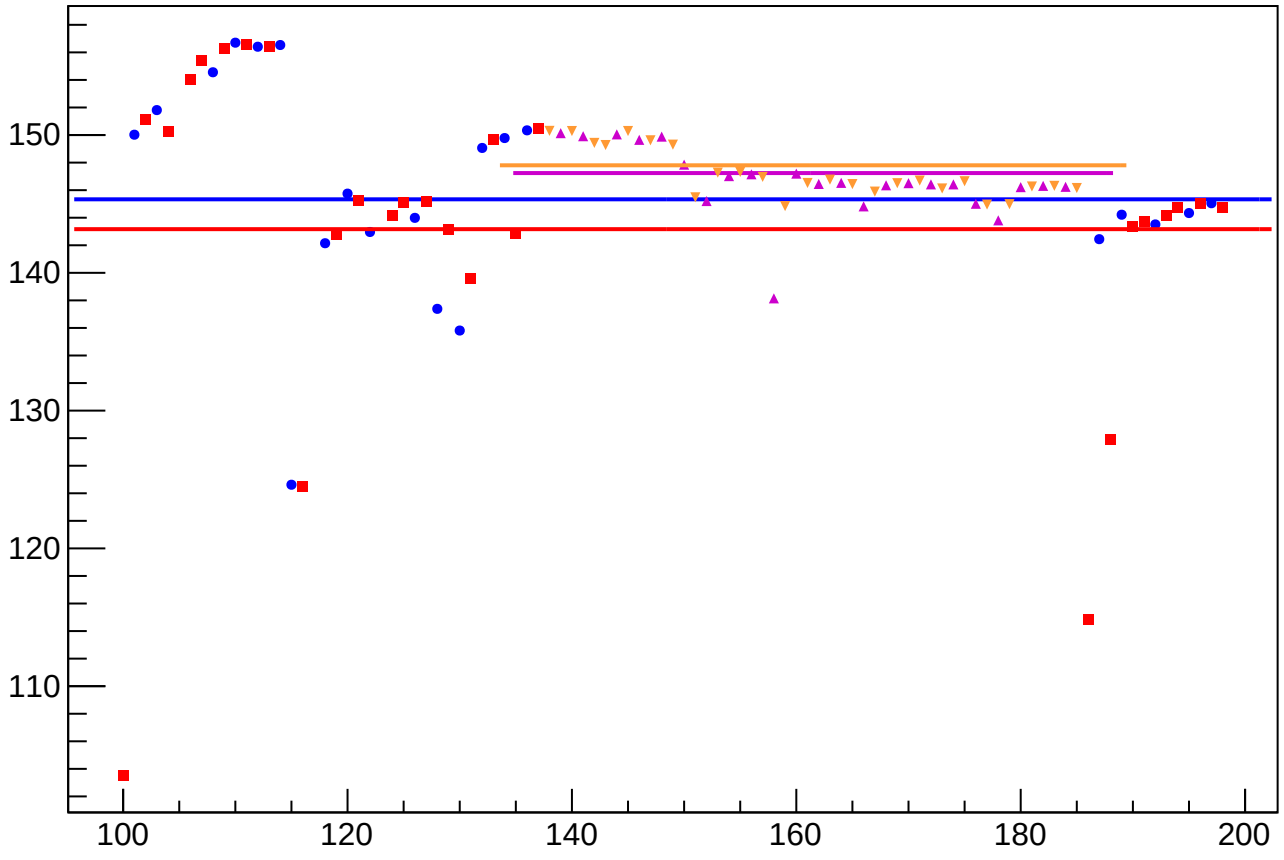
Right Out: 0.365+/-0.000 χ^2/NDF: 2087318.8/26

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.395+/-0.000 χ^2/NDF: 4715621.2/45

All: 0.399+/-0.000 χ^2/NDF: 8994987.8/95

- sign 0.402+/-0.000 χ^2/NDF: 4271955.2/49



Right In: 145.335+/-0.000 χ^2/NDF: 3514975718.0/20

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.170+/-0.000 χ^2/NDF: 7596307673.8/26

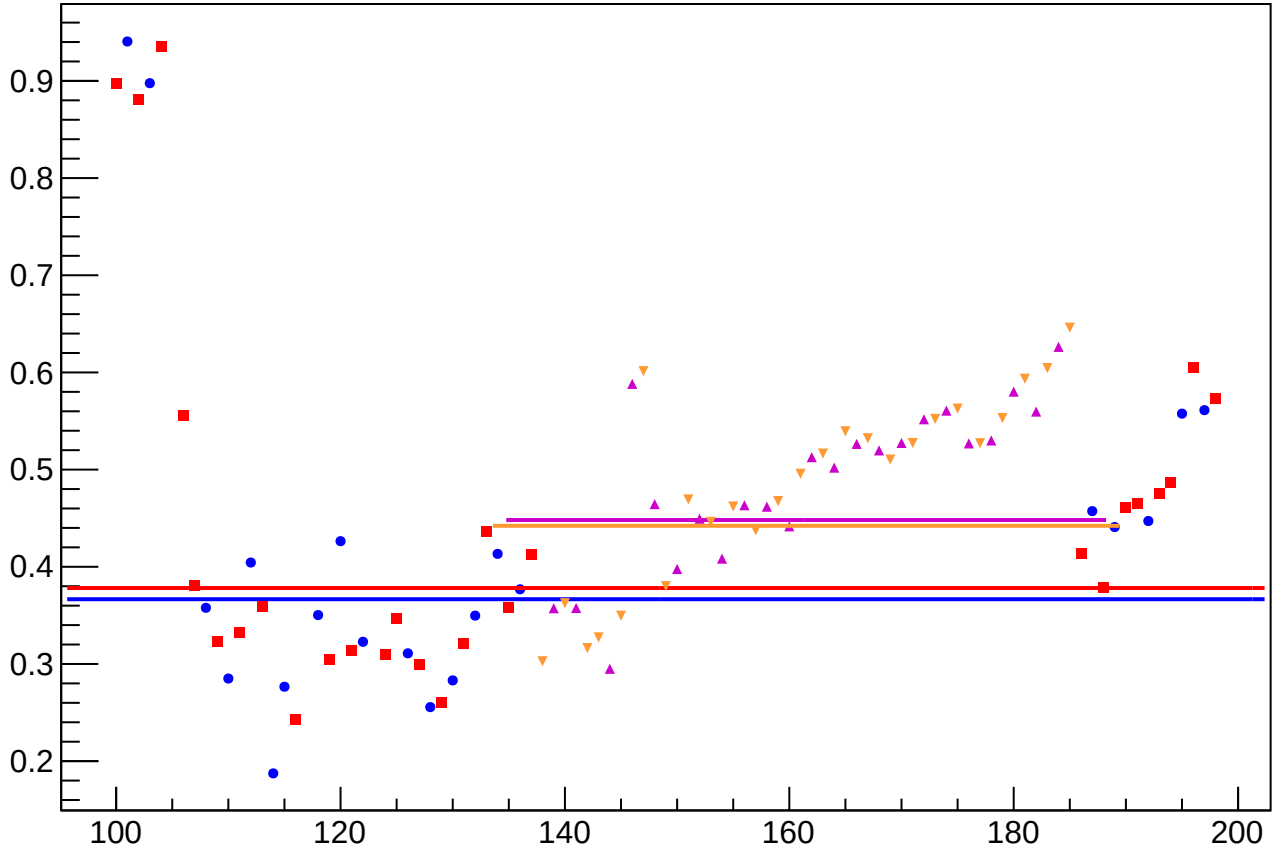
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.777+/-0.000 χ^2/NDF: 4074044608.9/45

All: 146.043+/-0.000 χ^2/NDF: 13117914387.

- sign 145.327+/-0.000 χ^2/NDF: 8877361914.5/49

yield_bcm_dg_us_rms vs Slug



Right In: 0.367+/-0.000 χ^2/NDF: 1926786.5/20

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.378+/-0.000 χ^2/NDF: 2016897.0/26

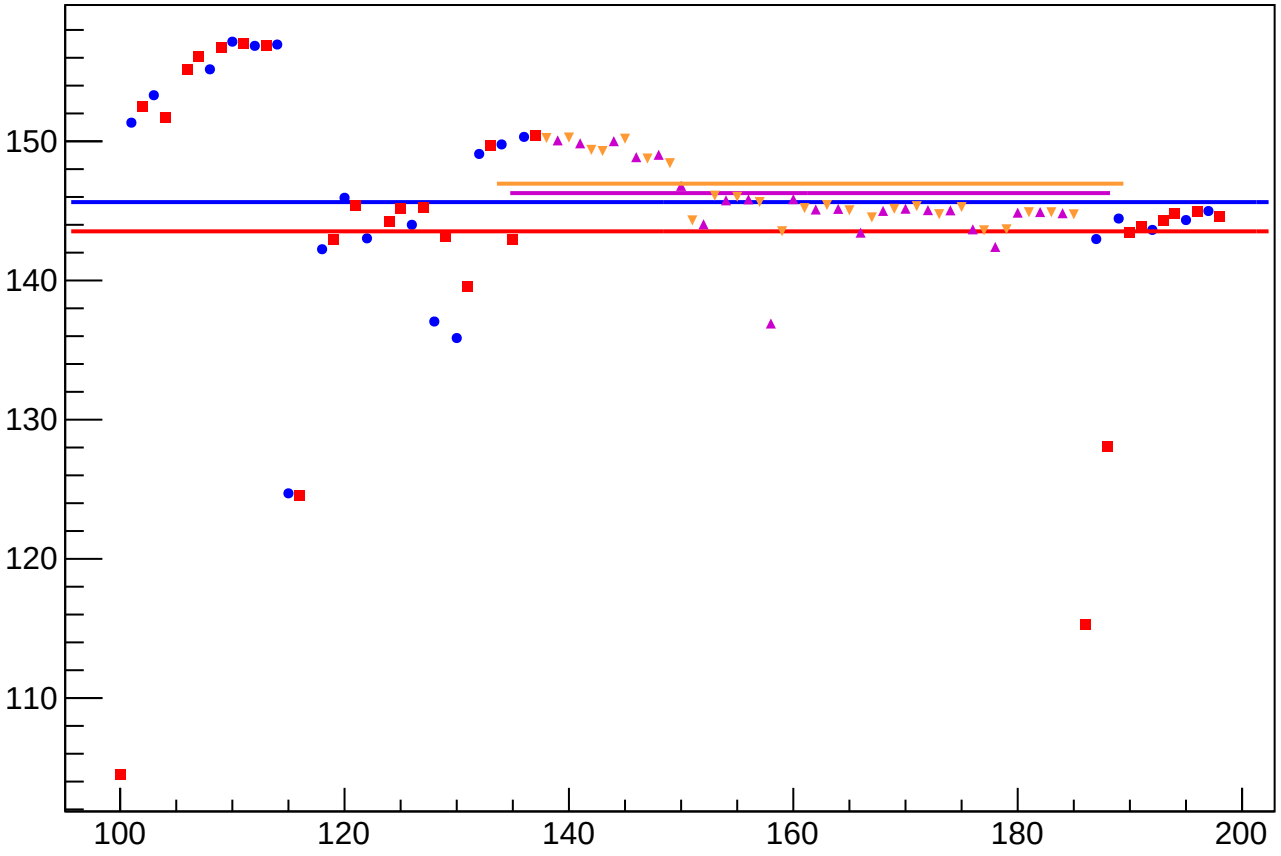
Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.411+/-0.000 χ^2/NDF: 4065317.2/45

All: 0.413+/-0.000 χ^2/NDF: 7824768.7/95

- sign 0.415+/-0.000 χ^2/NDF: 3756225.4/49

yield_bcm_dg_ds_mean vs Slug



Right In: 145.631+/-0.000 χ^2/NDF: 3660252953.2/20

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.531+/-0.000 χ^2/NDF: 7667044530.9/26

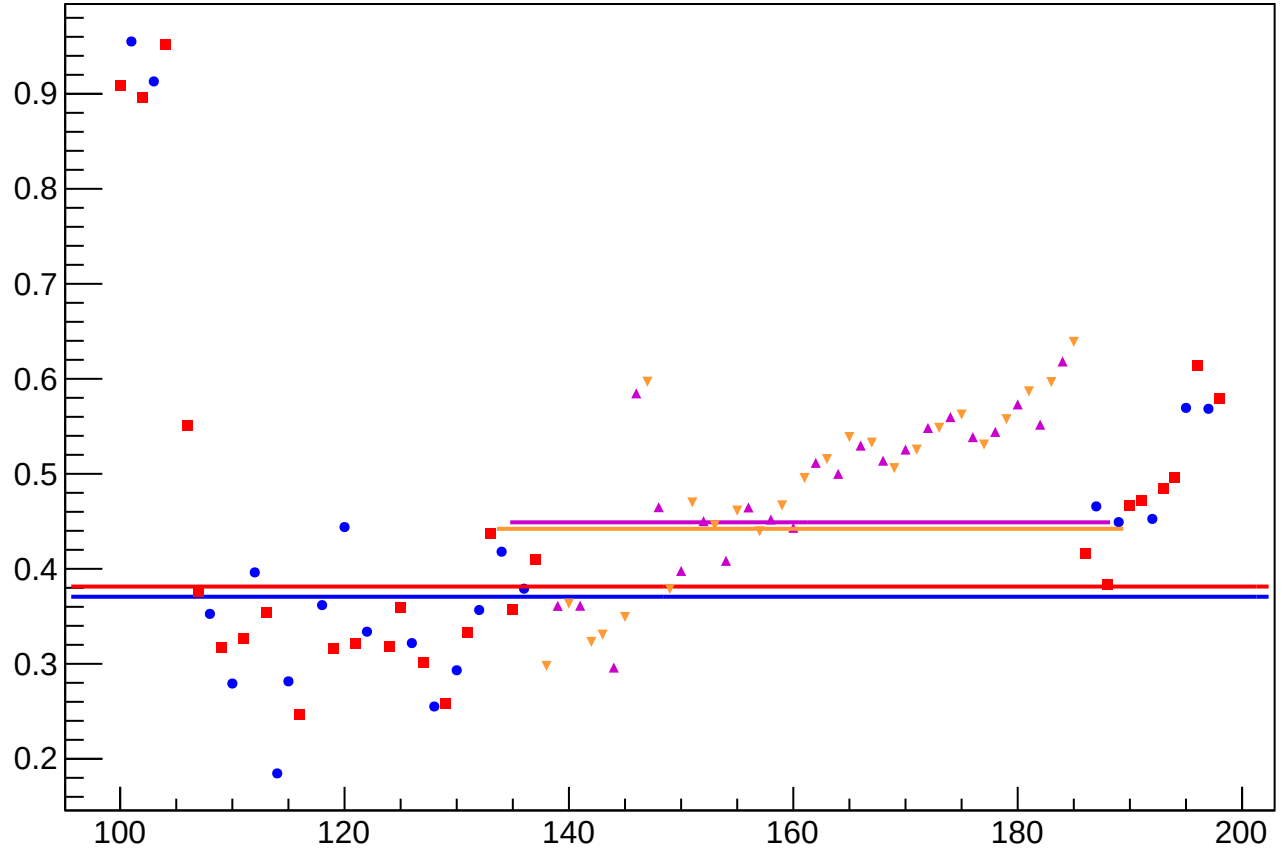
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.413+/-0.000 χ^2/NDF: 4268889610.3/45

All: 145.697+/-0.000 χ^2/NDF: 13215939205.

- sign 144.998+/-0.000 χ^2/NDF: 8790192128.4/49

yield_bcm_dg_ds_rms vs Slug



Right In: 0.371+/-0.000 χ^2/NDF: 1962883.7/20

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.381+/-0.000 χ^2/NDF: 2034508.6/26

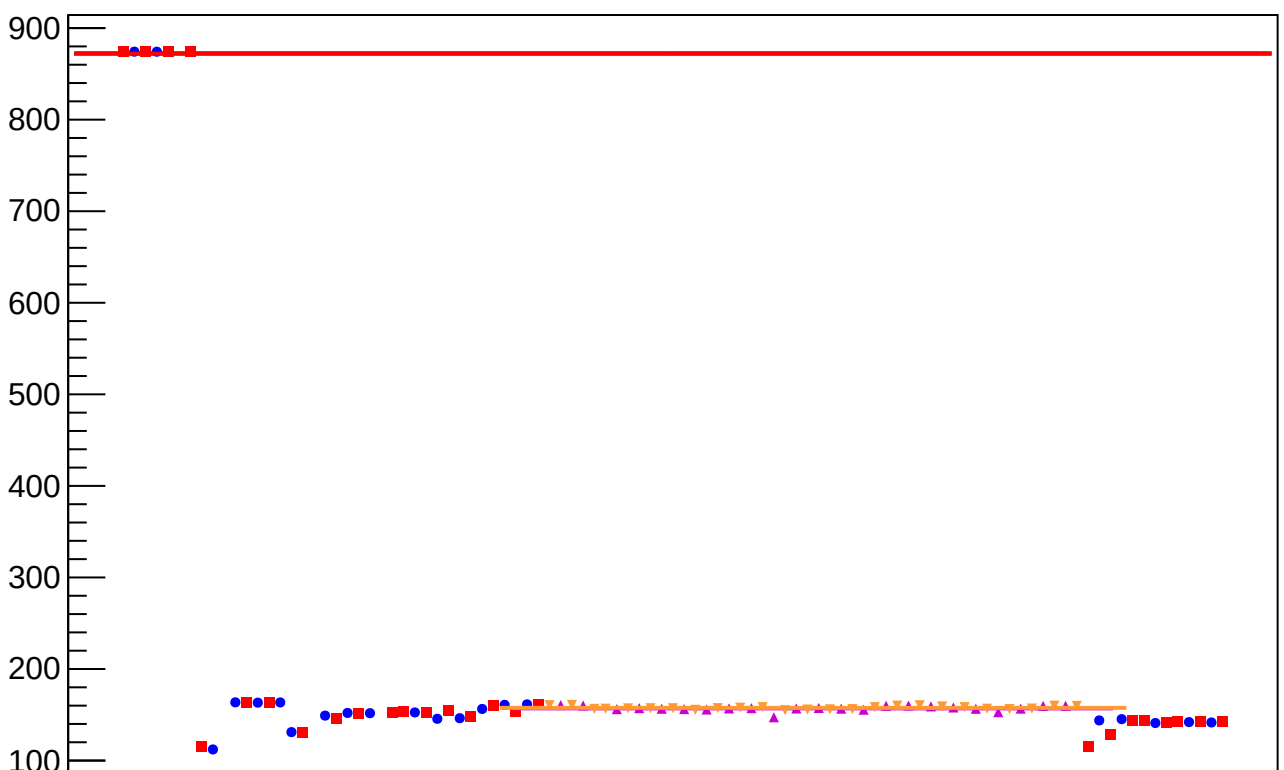
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.413+/-0.000 χ^2/NDF: 4022873.9/45

All: 0.415+/-0.000 χ^2/NDF: 7722475.4/95

- sign 0.417+/-0.000 χ^2/NDF: 3696198.7/49

yield_cav4bQ_mean vs Slug



Right In: 872.420+/-0.000 χ^2/NDF: 9283748765263.6/20

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.978+/-0.000 χ^2/NDF: 13388606156356.6/26

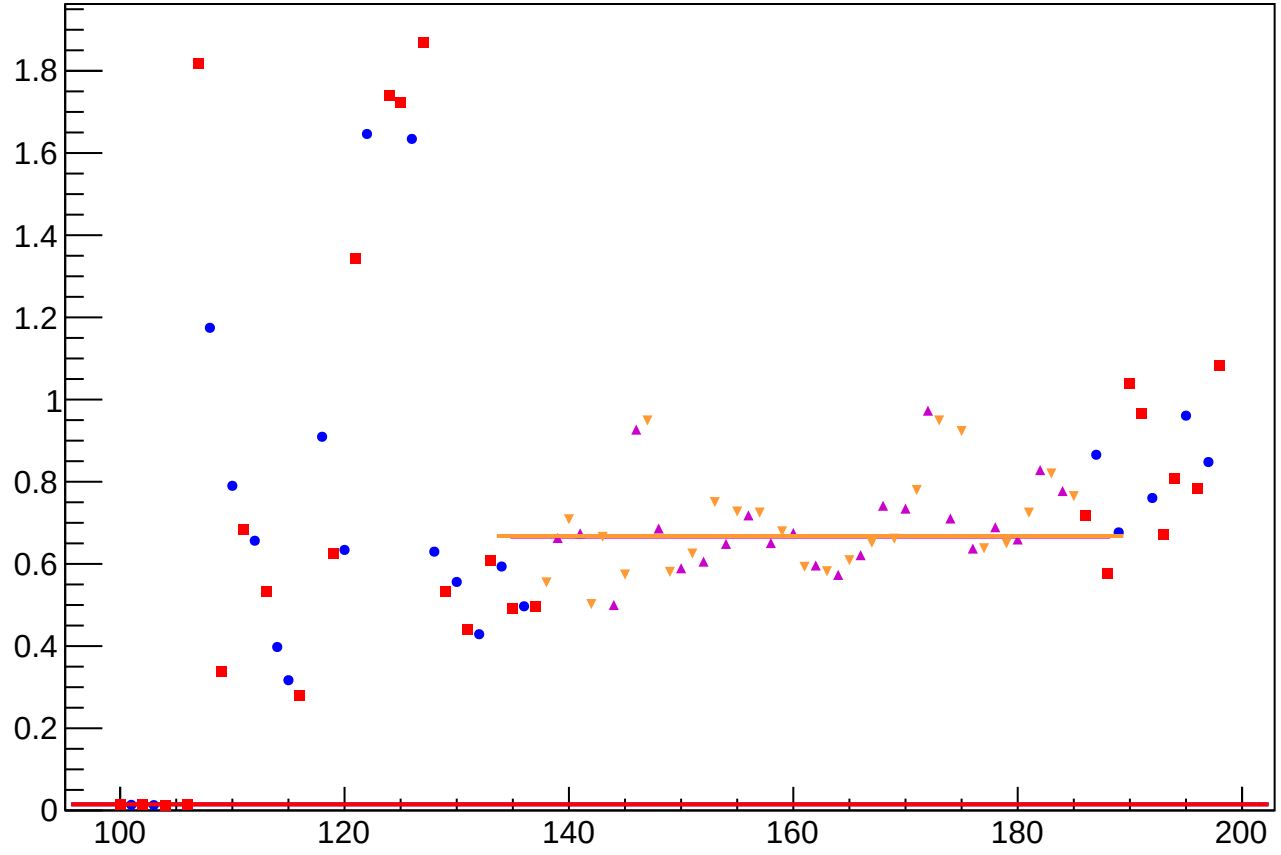
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.038+/-0.000 χ^2/NDF: 26515526664141.

All: 869.108+/-0.000 χ^2/NDF: 56405886441

- sign 869.169+/-0.000 χ^2/NDF: 29890294417321.5

yield_cav4bQ_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 14609553.4/20

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 17730943.6/26

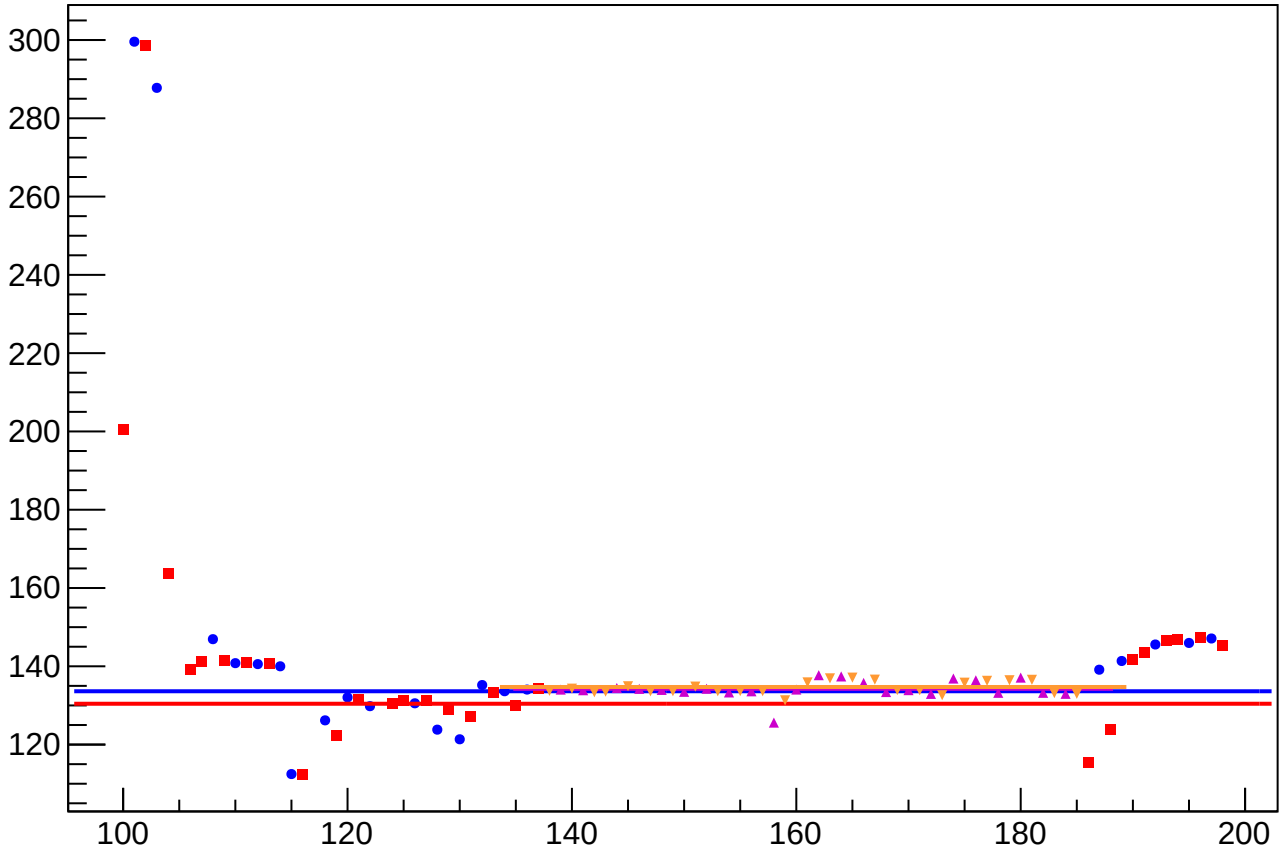
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 44062540.6/45

All: 0.018+/-0.000 χ^2/NDF: 89738590.3/95

- sign 0.017+/-0.000 χ^2/NDF: 45674641.0/49

yield_cav4cQ_mean vs Slug



Right In: 133.623+/-0.000 χ^2/NDF: 2737397127.6/20

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 130.433+/-0.000 χ^2/NDF: 4058899199.3/26

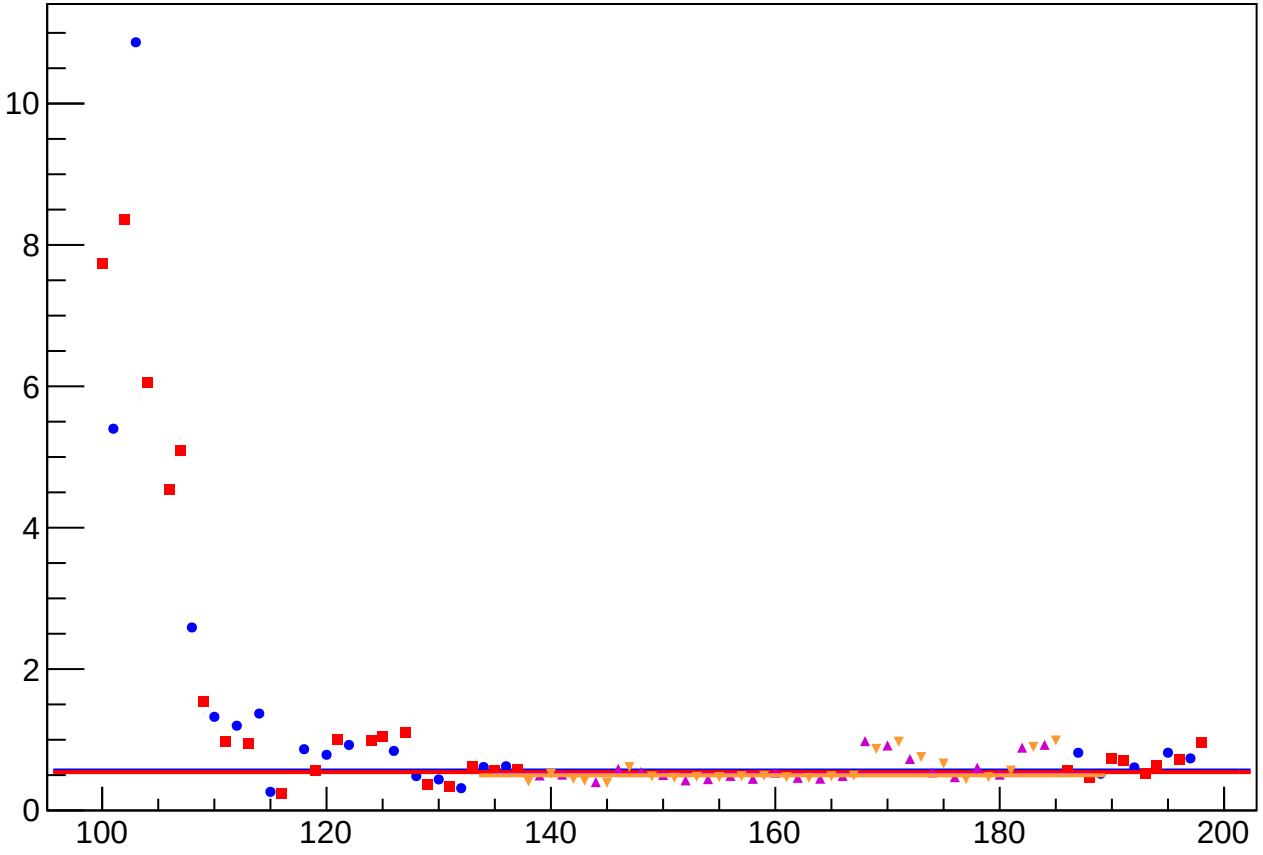
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.469+/-0.000 χ^2/NDF: 2915121249.2/45

All: 133.784+/-0.000 χ^2/NDF: 7761622087.7

- sign 133.100+/-0.000 χ^2/NDF: 4765595187.3/49

yield_cav4cQ_rms vs Slug



Right In: 0.565+/-0.000 χ^2/NDF: 4436594.4/20

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

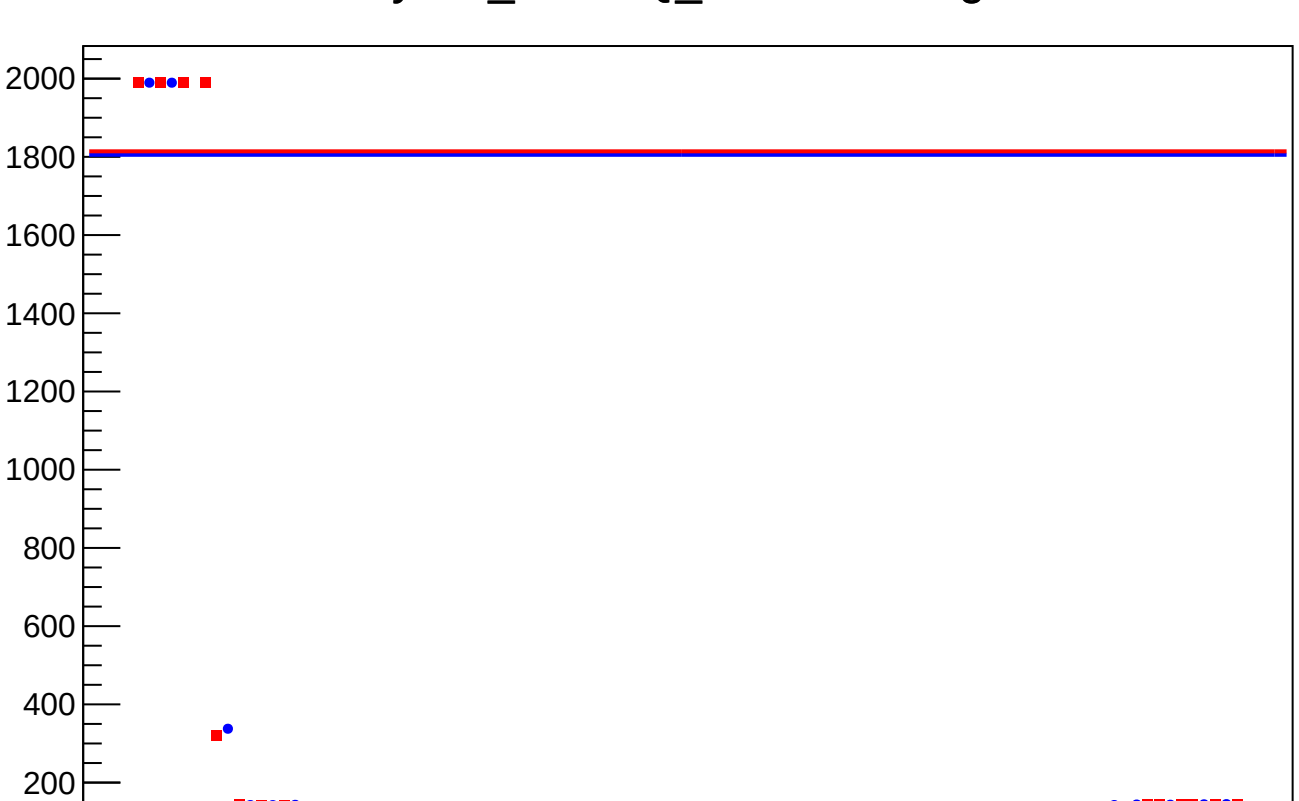
Right Out: 0.543+/-0.000 χ^2/NDF: 5429096.6/26

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.512+/-0.000 χ^2/NDF: 6149477.9/45

All: 0.516+/-0.000 χ^2/NDF: 13108274.2/95

- sign 0.520+/-0.000 χ^2/NDF: 6954223.8/49



Right In: 1805.240+/-0.000 χ^2/NDF: 179324849576728.3/20

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1814.152+/-0.000 χ^2/NDF: 202407237712079.8/26

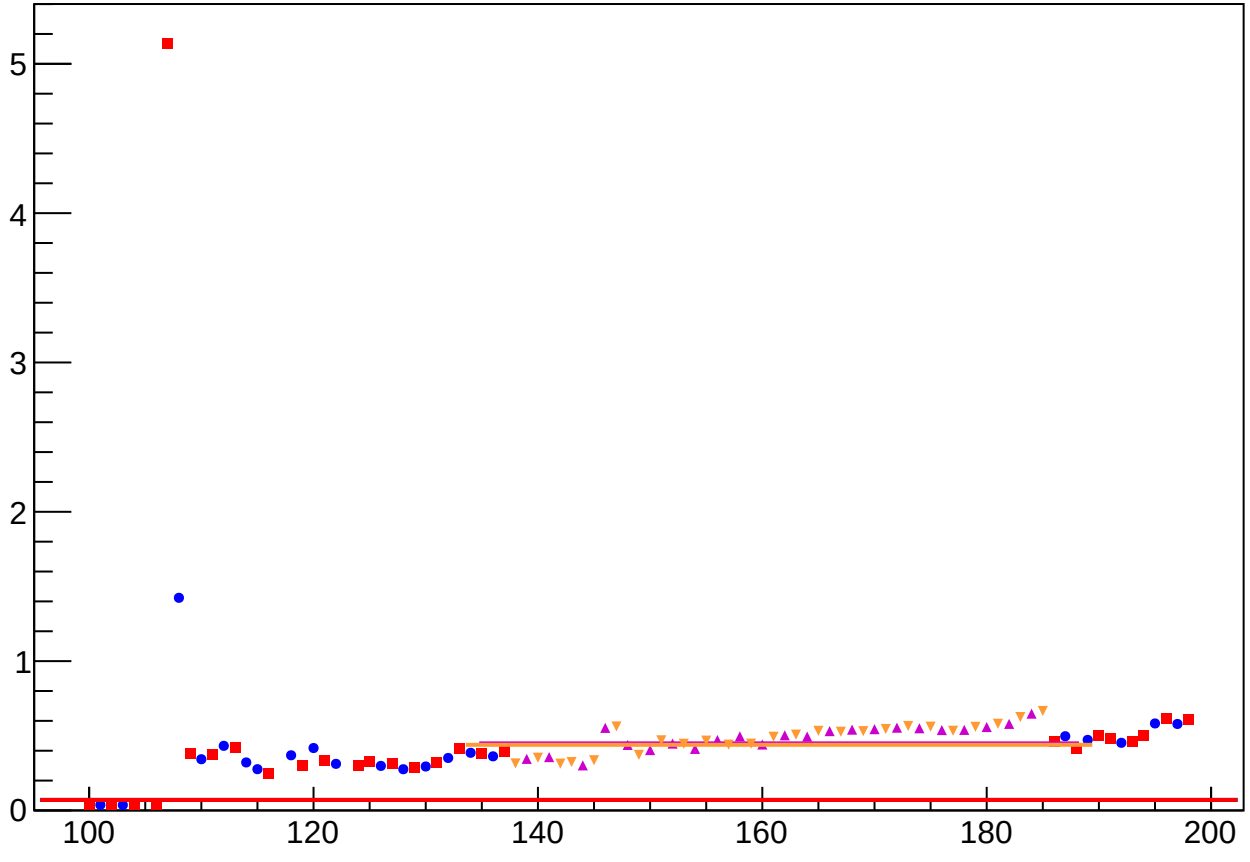
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1575.865+/-0.000 χ^2/NDF: 40202176069738

All: 1604.545+/-0.000 χ^2/NDF: 8178676755

- sign 1629.642+/-0.000 χ^2/NDF: 41480480985677

yield_cav4dQ_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF: 12881818.1/20

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

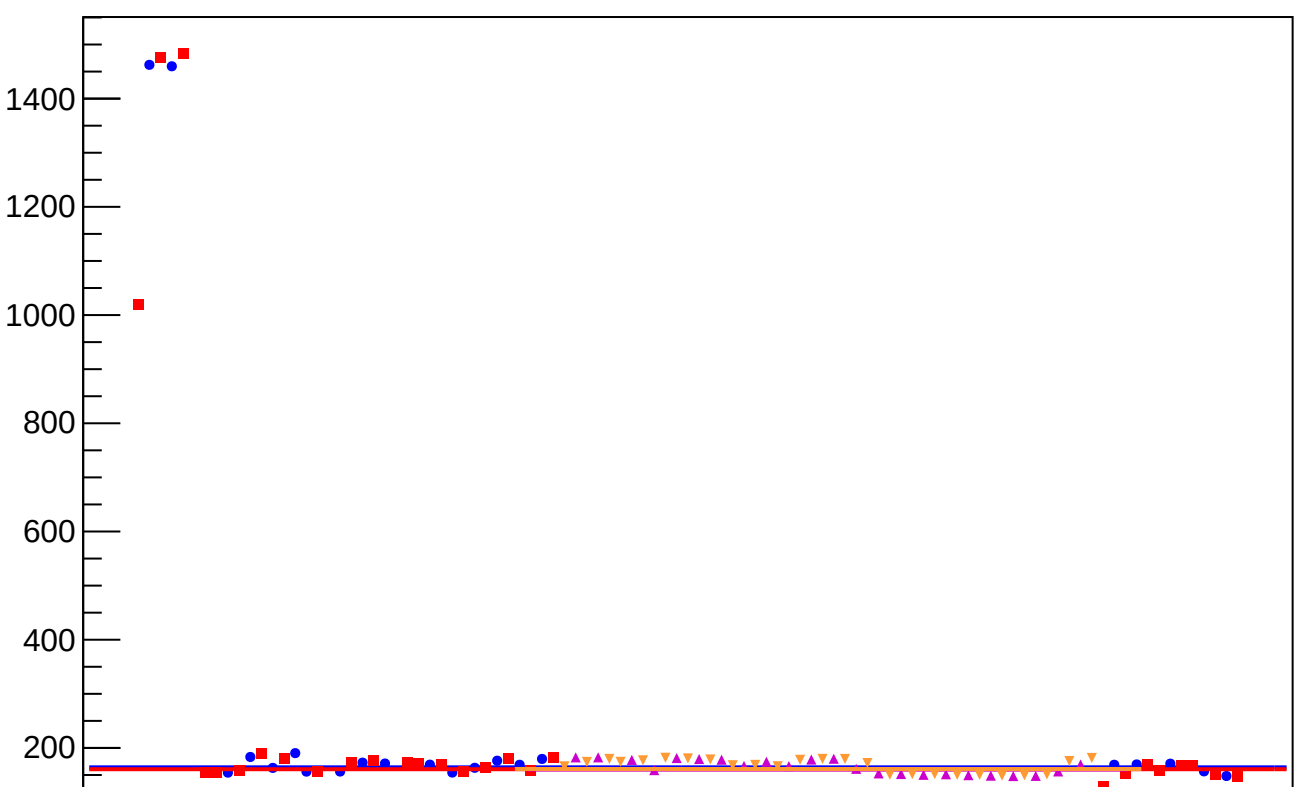
Right Out: 0.070+/-0.000 χ^2/NDF: 15453318.1/26

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.122+/-0.000 χ^2/NDF: 36417576.6/45

All: 0.116+/-0.000 χ^2/NDF: 74975902.2/95

- sign 0.112+/-0.000 χ^2/NDF: 38492288.1/49



Right In: 164.146+/-0.000 χ^2/NDF: 15118257179.7/20

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 160.678+/-0.000 χ^2/NDF: 17803370690.4/26

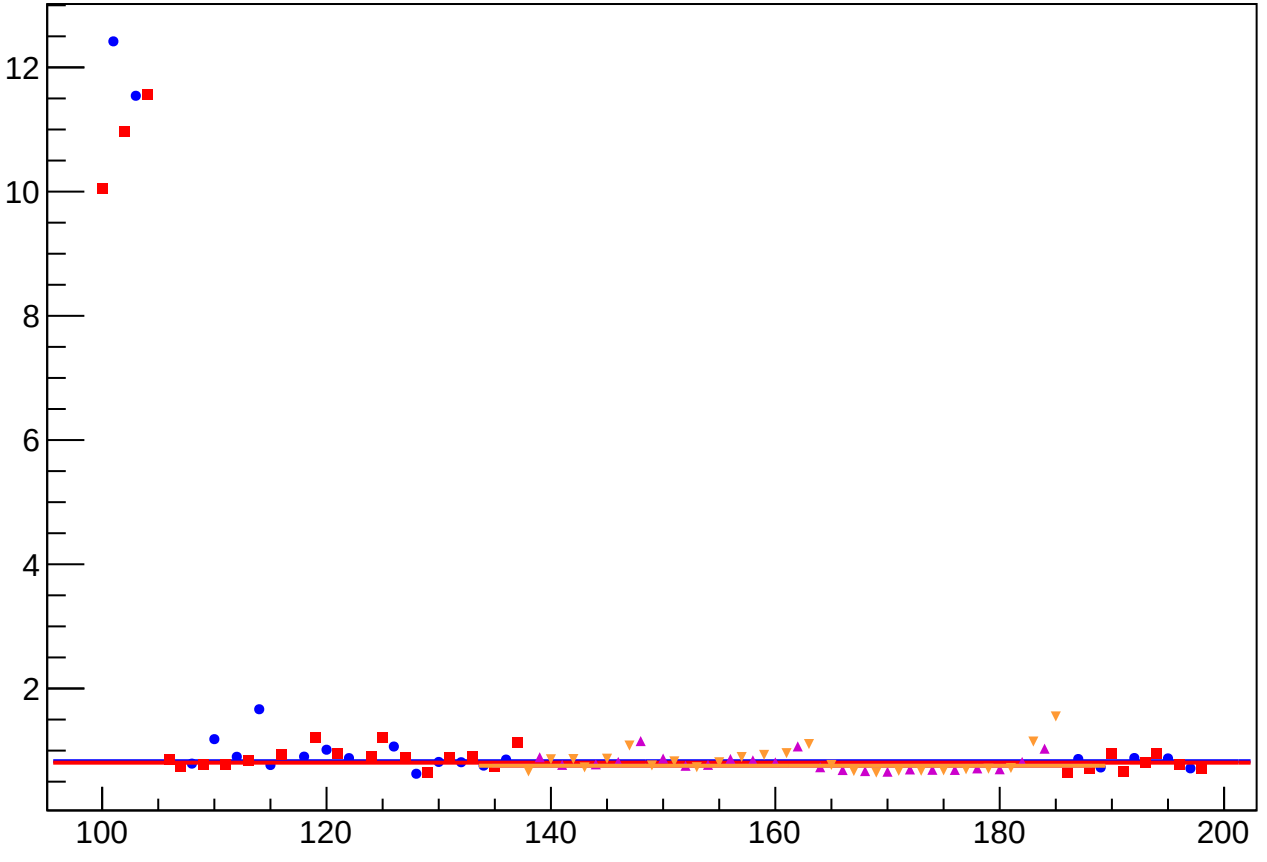
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 161.990+/-0.000 χ^2/NDF: 18919272855.9/45

All: 161.132+/-0.000 χ^2/NDF: 40512034702.

- sign 160.330+/-0.000 χ^2/NDF: 21544174839.9/49

yield_bcm0l02_rms vs Slug



Right In: 0.829+/-0.000 χ^2/NDF: 2368847.1/20

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

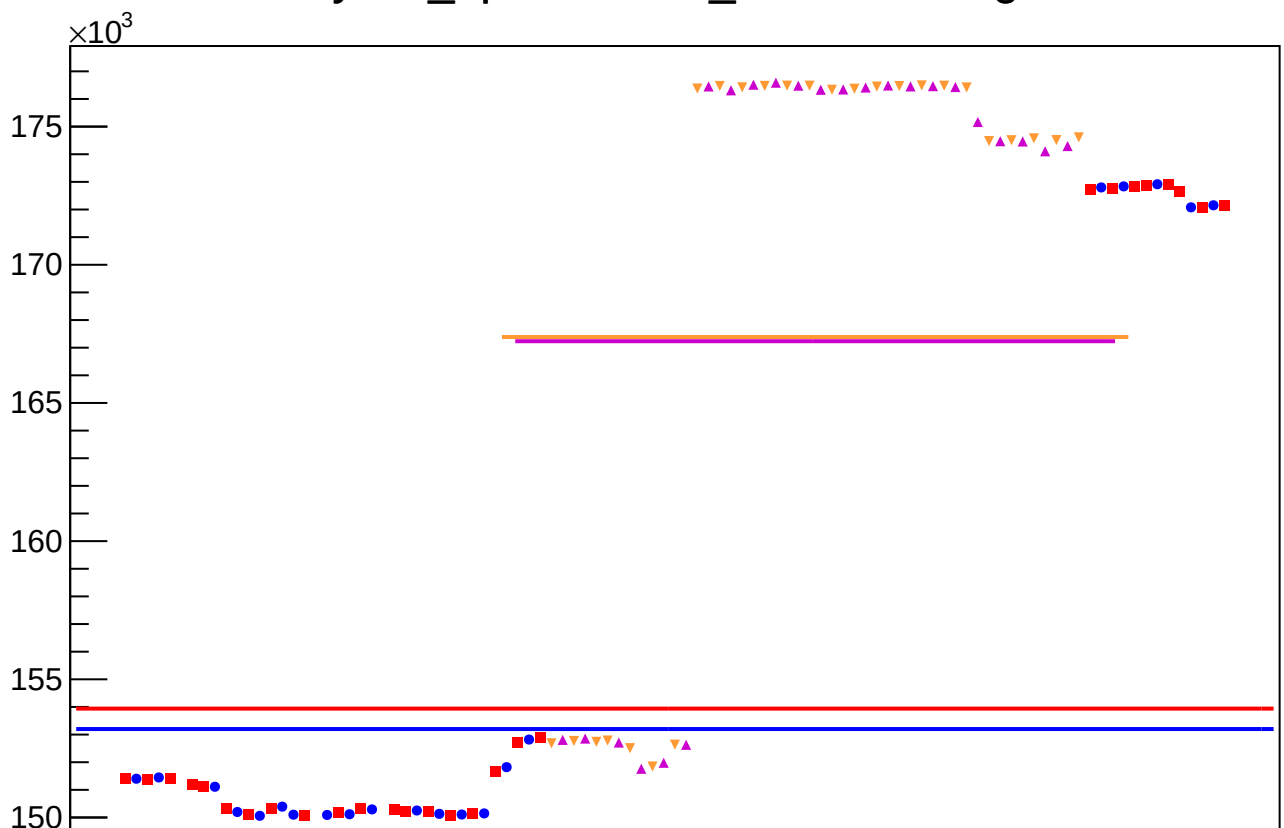
Right Out: 0.806+/-0.000 χ^2/NDF: 2406099.1/26

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.777+/-0.000 χ^2/NDF: 3192388.4/45

All: 0.775+/-0.000 χ^2/NDF: 6114095.8/95

- sign 0.773+/-0.000 χ^2/NDF: 2921266.6/49



Right In: 153200.291+/-0.051 χ^2/NDF: 19591718476.5/20

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153939.722+/-0.047 χ^2/NDF: 28815610128.8/26

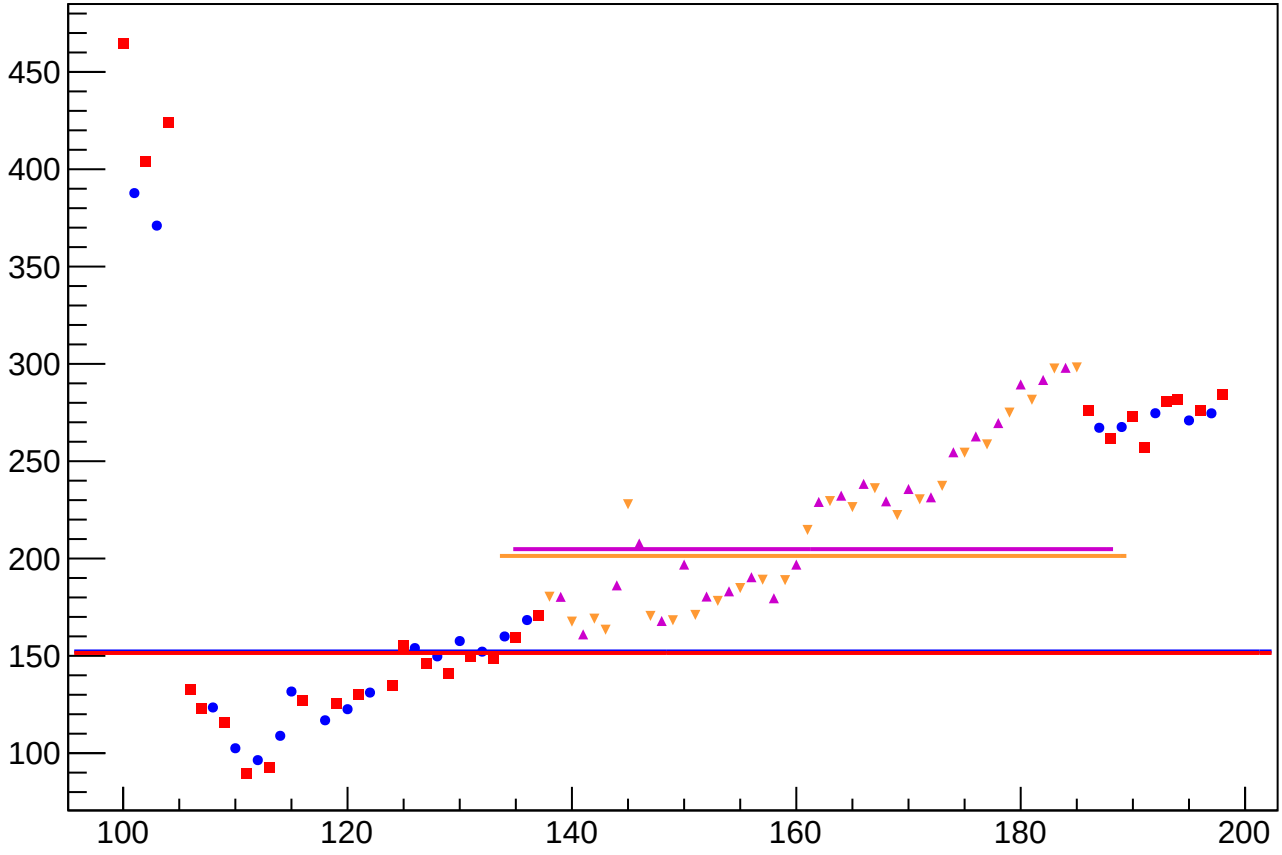
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160942.571+/-0.035 χ^2/NDF: 121042800037

All: 160622.320+/-0.024 χ^2/NDF: 243644252

- sign 160314.631+/-0.034 χ^2/NDF: 122432744051

yield_bpm2i01WS_rms vs Slug



Right In: 152.246+/-0.036 χ^2/NDF: 2910736.5/20

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

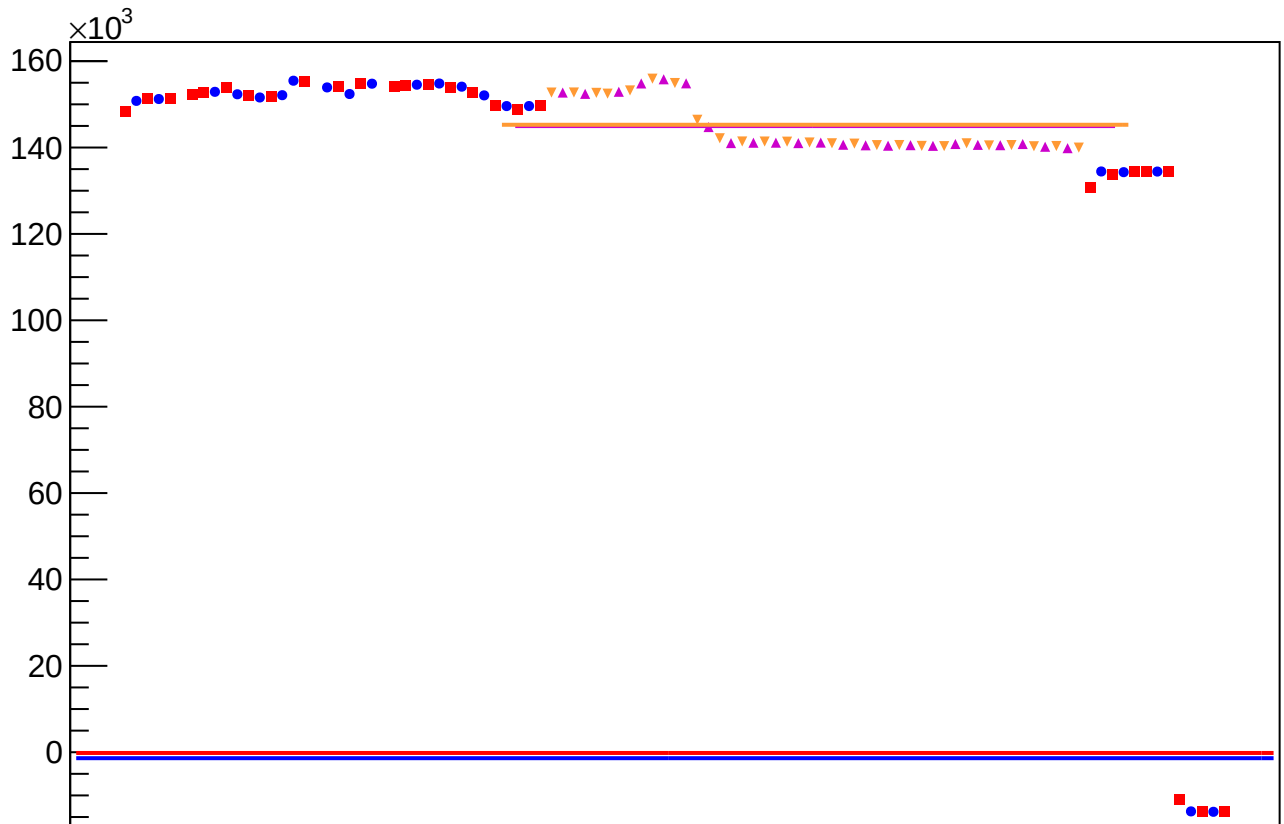
Right Out: 151.481+/-0.033 χ^2/NDF: 4130271.7/26

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 179.035+/-0.024 χ^2/NDF: 5143443.2/45

All: 178.028+/-0.017 χ^2/NDF: 11570486.3/95

- sign 177.061+/-0.024 χ^2/NDF: 6423707.0/49



Right In: -1379.861+/-0.018 χ^2/NDF: 5530392965395.7/20

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -169.812+/-0.017 χ^2/NDF: 6697584392431.8/26

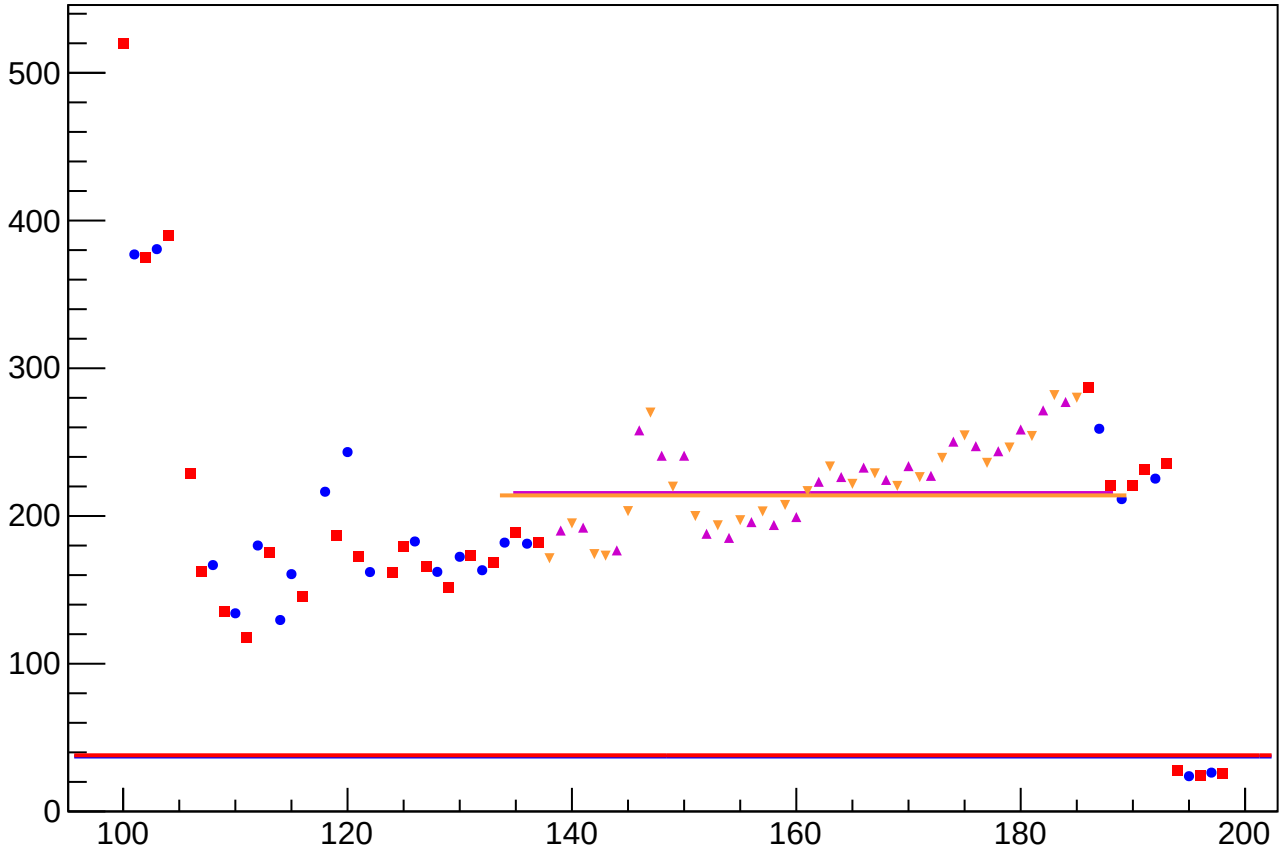
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 16489.860+/-0.017 χ^2/NDF: 132868396293

All: 15381.160+/-0.012 χ^2/NDF: 272330296

- sign 14399.380+/-0.016 χ^2/NDF: 1393839191714

yield_bpm0i07WS_rms vs Slug



Right In: 37.200+/-0.013 χ^2/NDF: 11906908.4/20

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

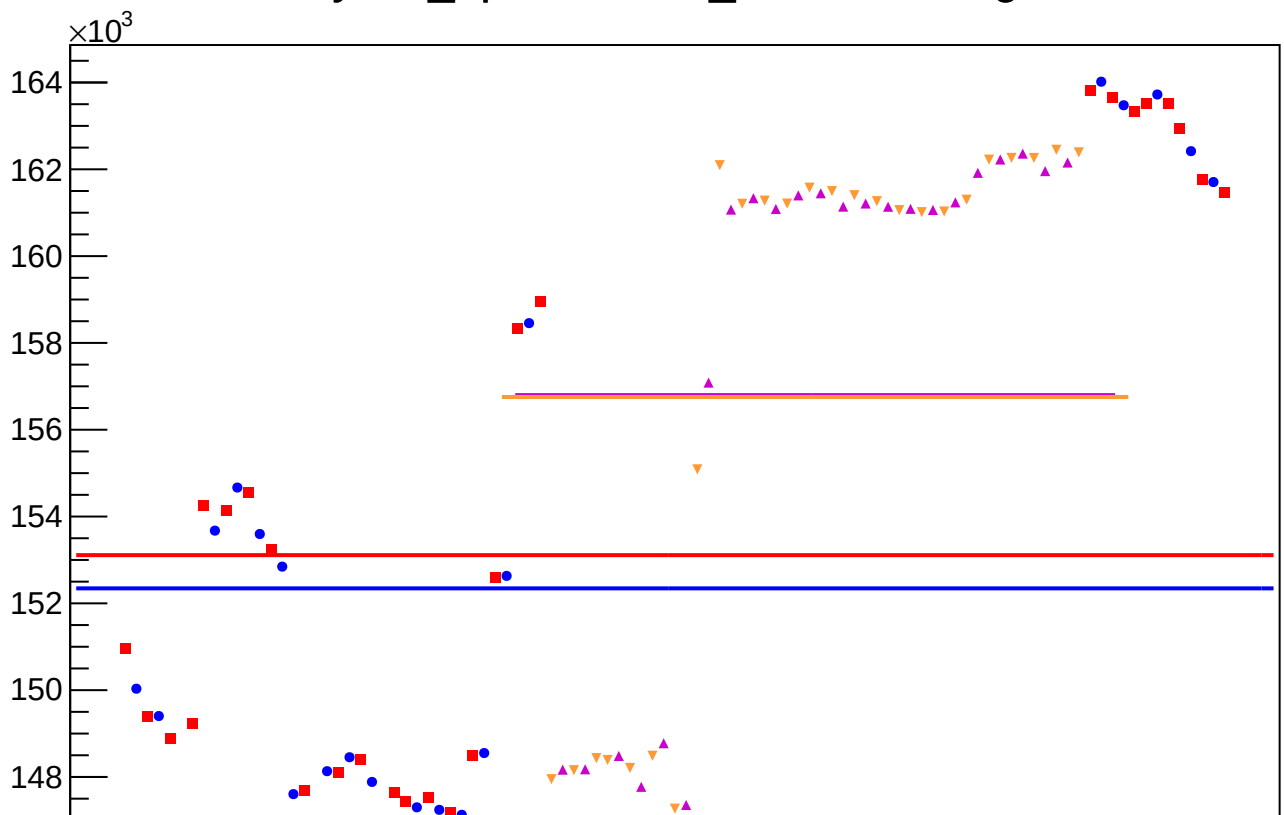
Right Out: 38.011+/-0.012 χ^2/NDF: 13485719.8/26

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 58.737+/-0.012 χ^2/NDF: 35052603.1/45

All: 57.196+/-0.008 χ^2/NDF: 70796597.1/95

- sign 55.832+/-0.011 χ^2/NDF: 35713860.1/49



Right In: 152345.127+/-0.059 χ^2/NDF: 8254549039.5/20

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153110.860+/-0.055 χ^2/NDF: 10217382434.0/26

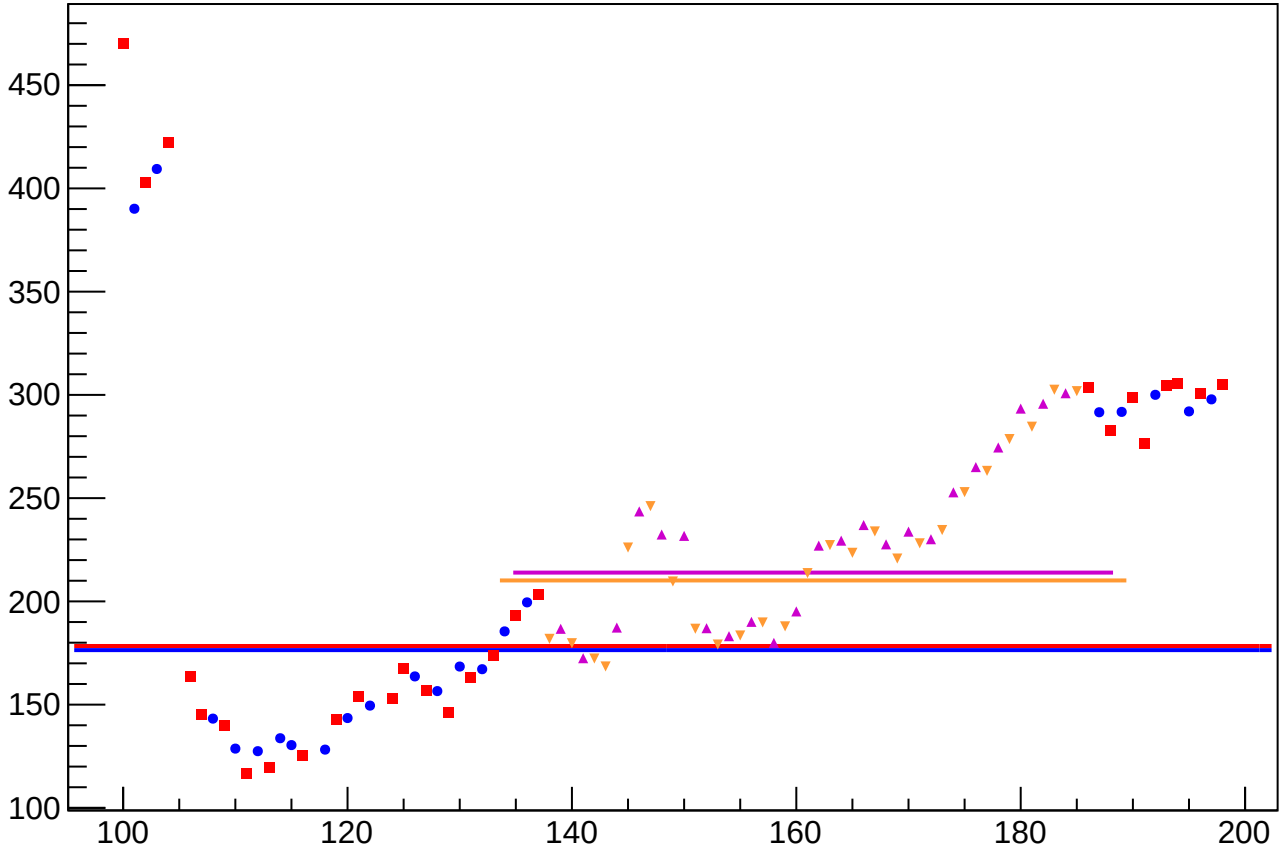
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154954.682+/-0.037 χ^2/NDF: 27989198378.

All: 155016.951+/-0.026 χ^2/NDF: 54998308

- sign 155078.563+/-0.037 χ^2/NDF: 27003601309.2

yield_bpm0i01WS_rms vs Slug



Right In: 176.401+/-0.041 χ^2/NDF: 2465880.5/20

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

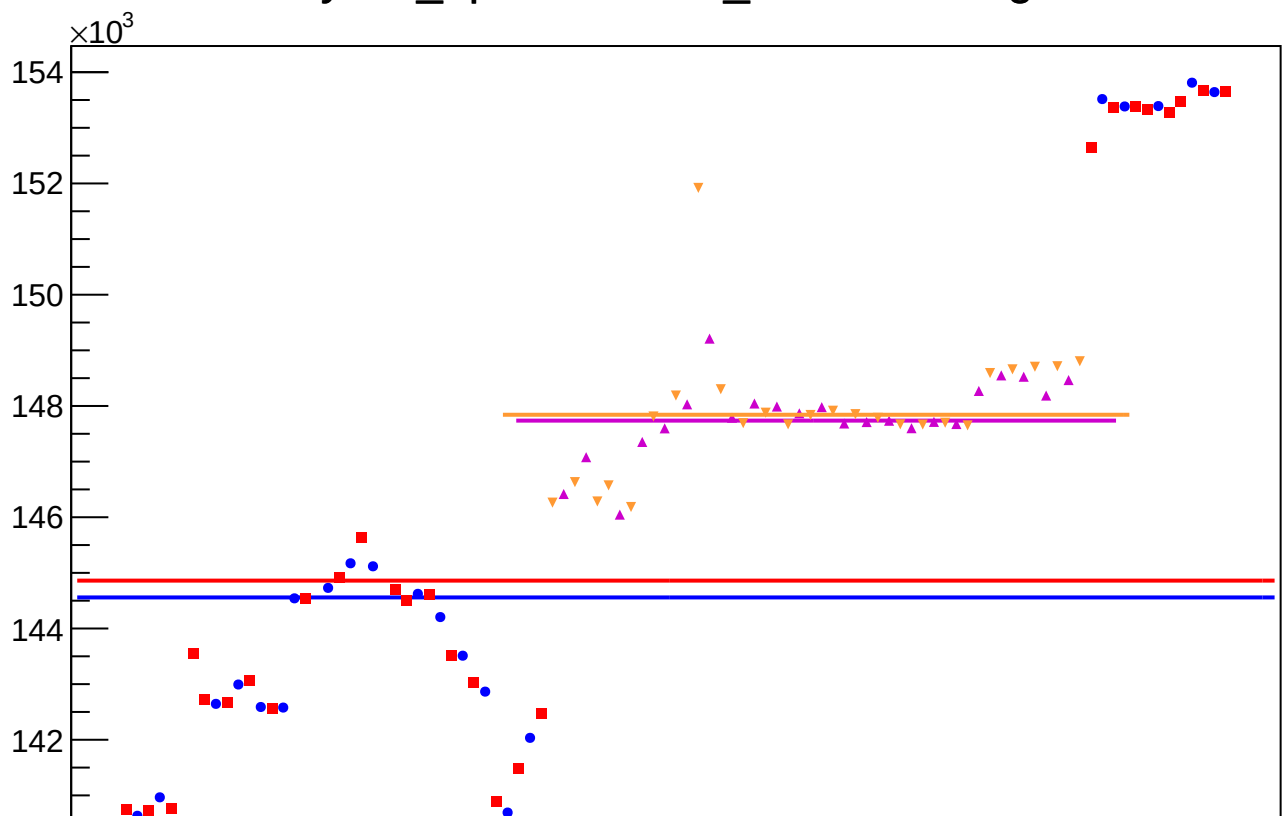
Right Out: 178.400+/-0.039 χ^2/NDF: 3330906.7/26

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 196.371+/-0.026 χ^2/NDF: 3856504.0/45

All: 196.873+/-0.019 χ^2/NDF: 8556516.5/95

- sign 197.369+/-0.026 χ^2/NDF: 4699297.0/49



Right In: 144558.441+/-0.050 χ^2/NDF: 5057922209.8/20

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 144860.809+/-0.046 χ^2/NDF: 7067378861.2/26

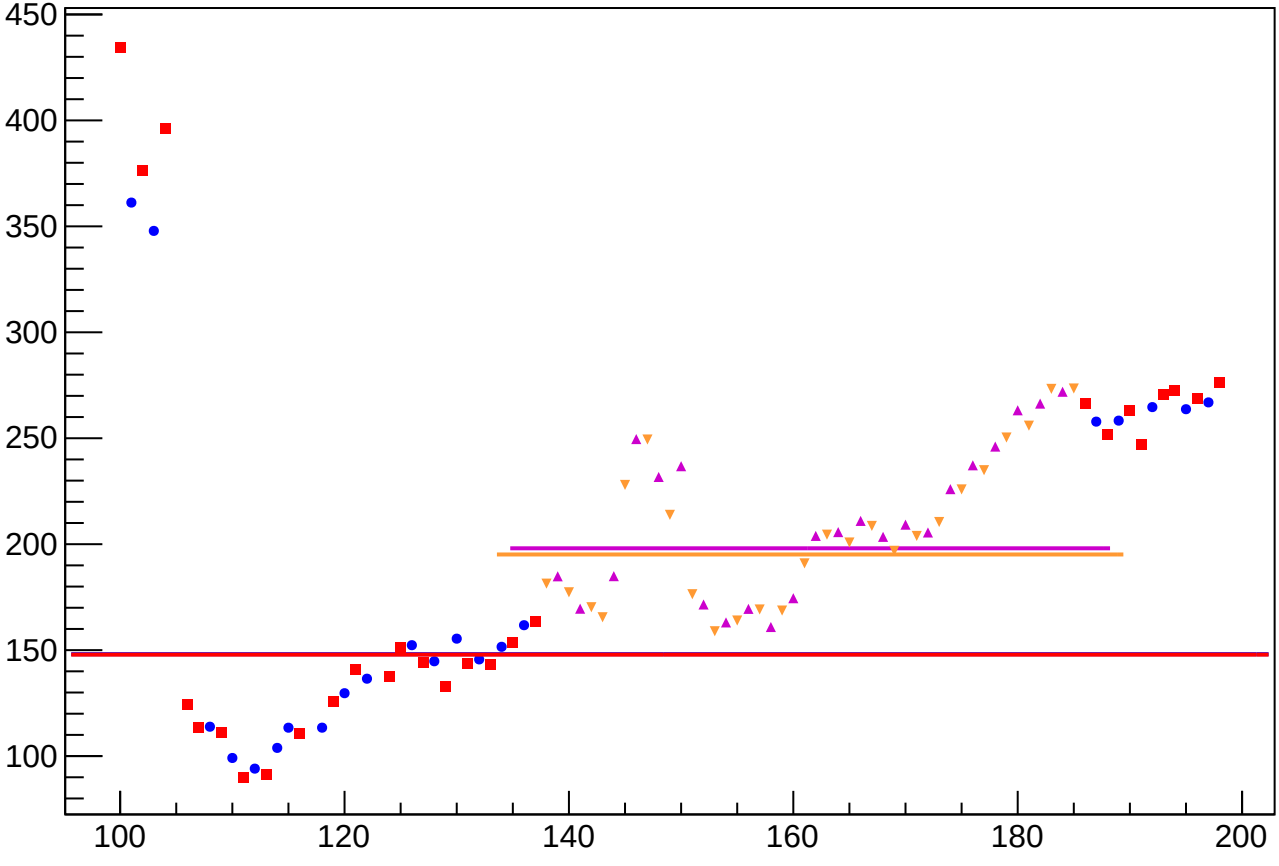
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146361.722+/-0.033 χ^2/NDF: 8157762465.5

All: 146305.864+/-0.023 χ^2/NDF: 17375571

- sign 146252.079+/-0.033 χ^2/NDF: 9212333535.0/

yield_bpm0i01aWS_rms vs Slug



Right In: 148.086+/-0.035 χ^2/NDF: 2858418.8/20

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

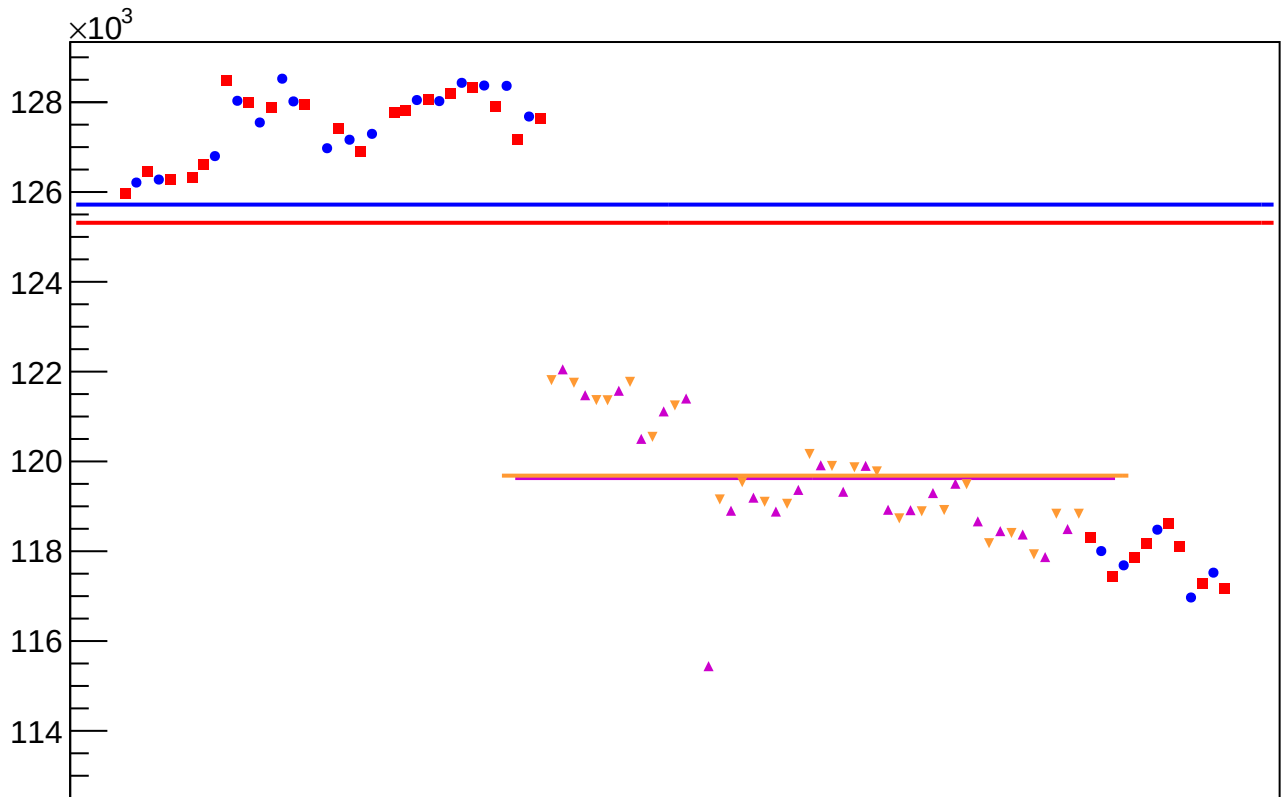
Right Out: 147.883+/-0.032 χ^2/NDF: 4005684.7/26

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 173.929+/-0.024 χ^2/NDF: 4742813.8/45

All: 173.025+/-0.017 χ^2/NDF: 10819225.5/95

- sign 172.155+/-0.023 χ^2/NDF: 6073545.3/49



Right In: 125719.758+/-0.052 χ^2/NDF: 5956282253.2/20

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 125314.702+/-0.048 χ^2/NDF: 8151485918.7/26

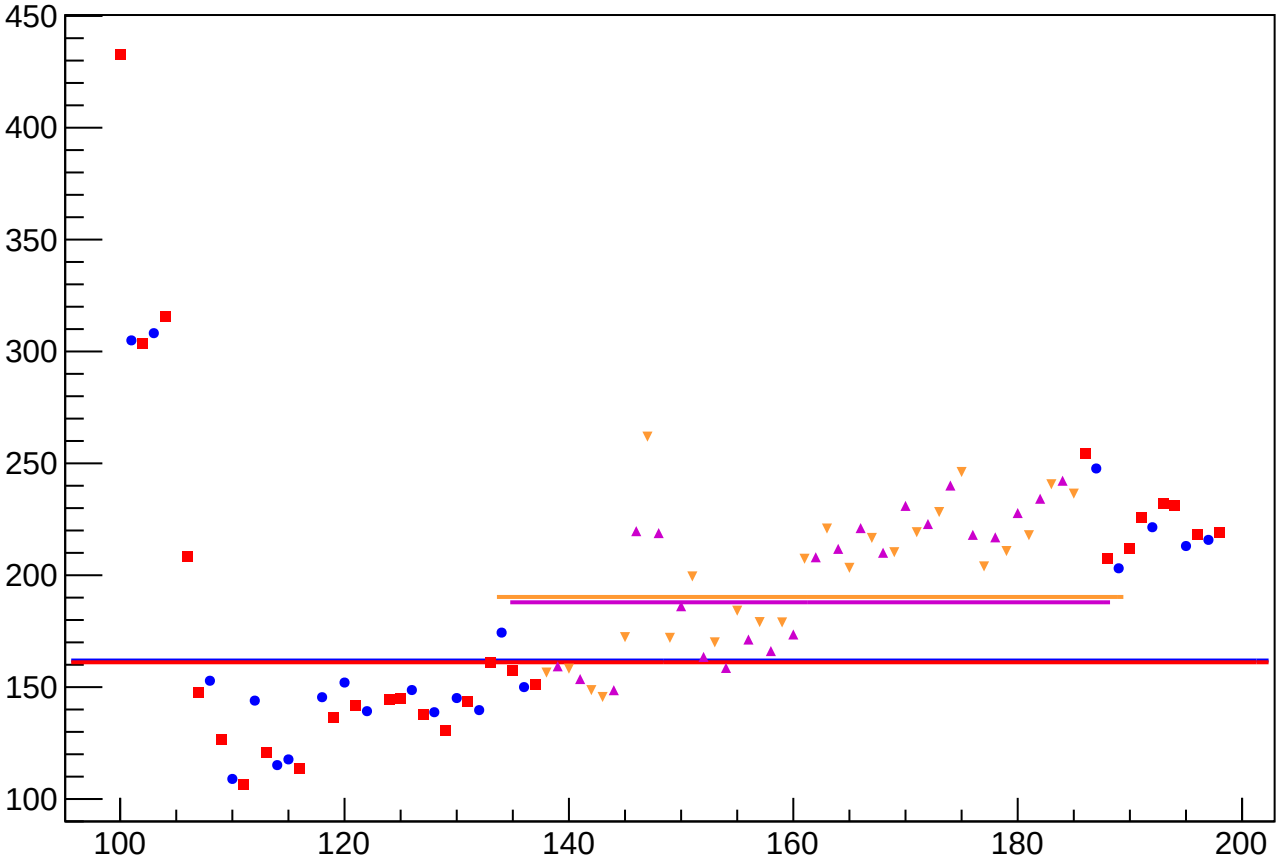
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122202.317+/-0.034 χ^2/NDF: 15702100535.

All: 122252.621+/-0.024 χ^2/NDF: 3267643

- sign 122299.906+/-0.033 χ^2/NDF: 16970038935.

yield_bpm0l01WS_rms vs Slug



Right In: 161.885+/-0.037 χ^2/NDF: 1361789.2/20

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

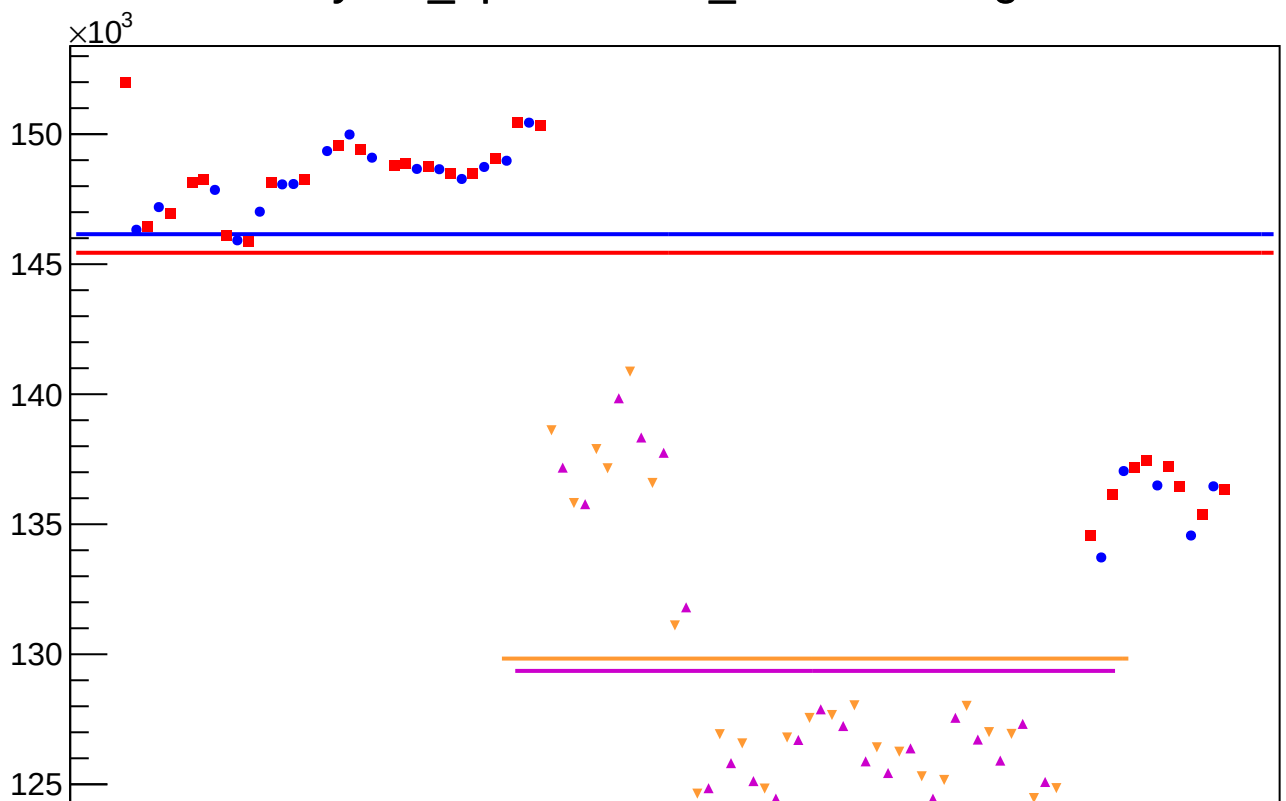
Right Out: 161.103+/-0.034 χ^2/NDF: 2076795.4/26

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 178.442+/-0.024 χ^2/NDF: 2630185.4/45

All: 176.832+/-0.017 χ^2/NDF: 5975360.0/95

- sign 175.318+/-0.023 χ^2/NDF: 3336366.1/49



Right In: 146153.379+/-0.074 χ^2/NDF: 4707969536.2/20

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 145438.865+/-0.067 χ^2/NDF: 6156631622.2/26

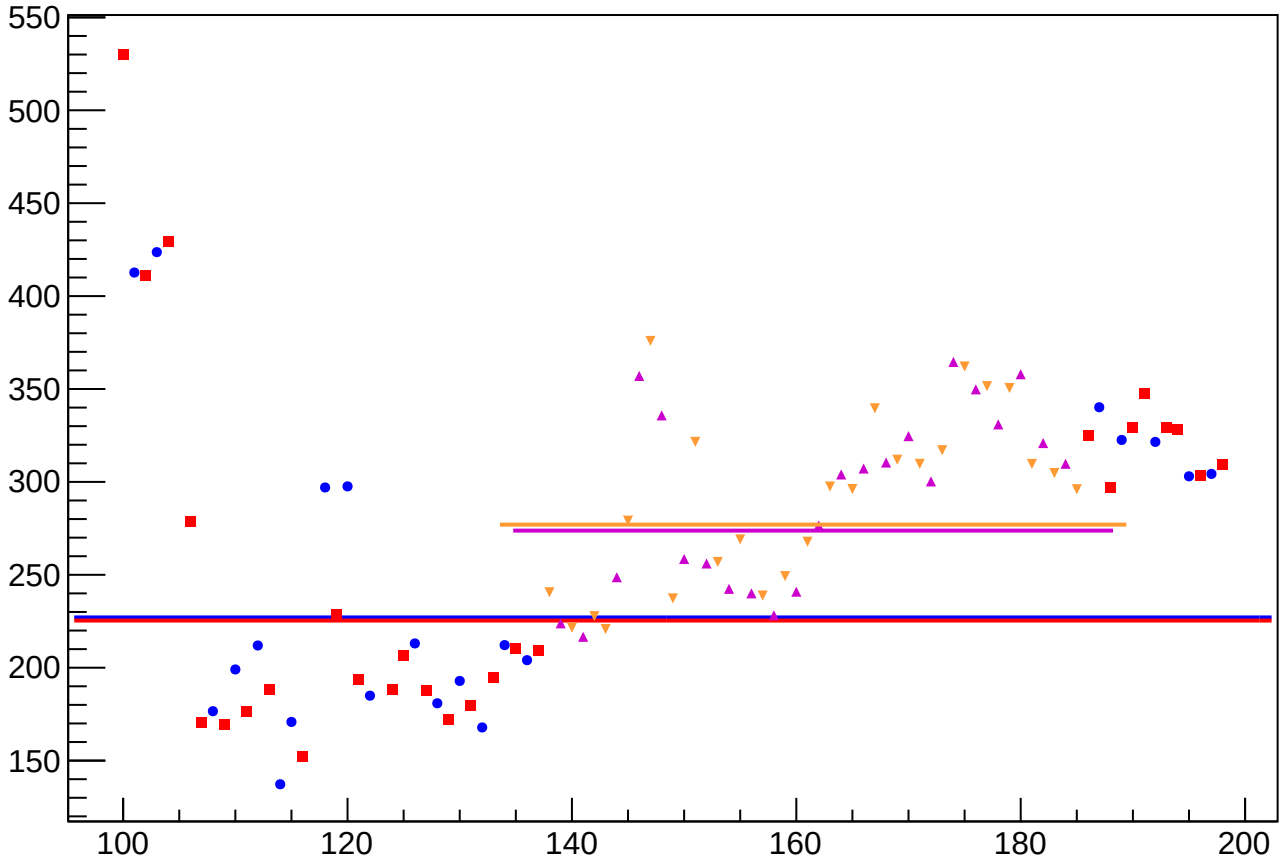
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136860.855+/-0.048 χ^2/NDF: 39322560394.

All: 137039.317+/-0.034 χ^2/NDF: 8166467

- sign 137205.625+/-0.047 χ^2/NDF: 42315902776.

yield_bpm0l02WS_rms vs Slug



Right In: 227.053+/-0.052 χ^2/NDF: 1608112.2/20

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

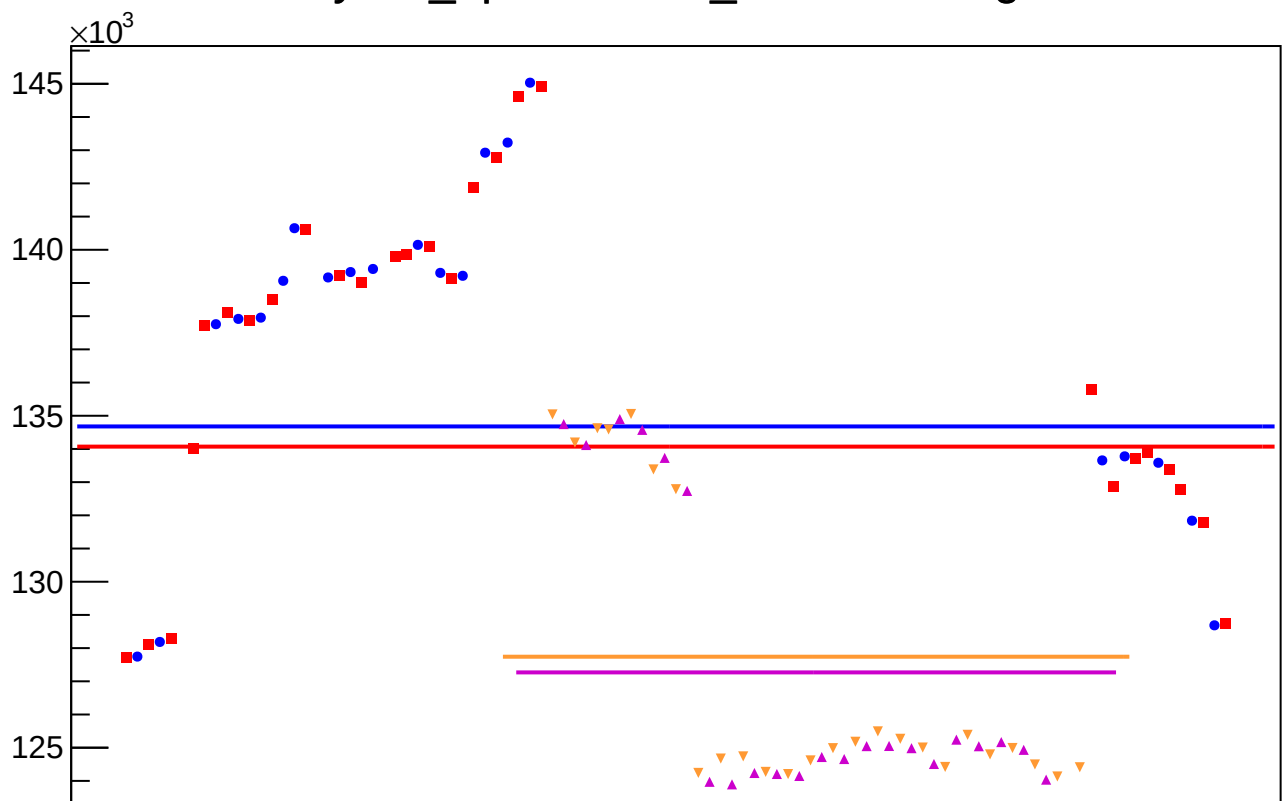
Right Out: 225.387+/-0.047 χ^2/NDF: 2042492.2/26

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 255.506+/-0.034 χ^2/NDF: 3076394.0/45

All: 252.744+/-0.024 χ^2/NDF: 6670542.6/95

- sign 250.170+/-0.033 χ^2/NDF: 3581586.6/49



Right In: 134678.236+/-0.131 χ^2/NDF: 1929338047.7/20

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 134070.333+/-0.120 χ^2/NDF: 1450731318.8/26

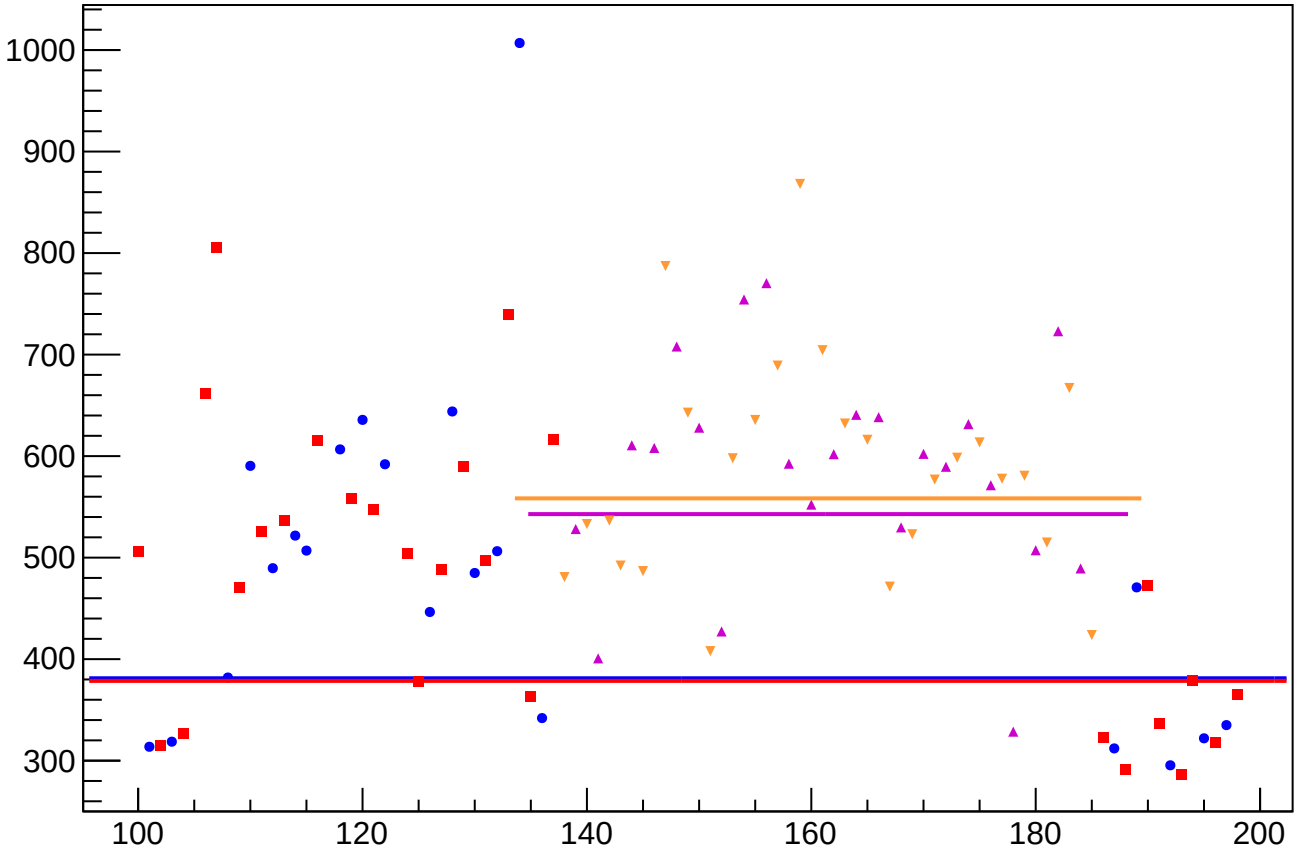
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131317.012+/-0.094 χ^2/NDF: 4371435720.6

All: 131226.769+/-0.065 χ^2/NDF: 81671873

- sign 131142.996+/-0.091 χ^2/NDF: 3793988338.1/

yield_bpm0l03WS_rms vs Slug



Right In: 381.163+/-0.093 χ^2/NDF: 1338427.7/20

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

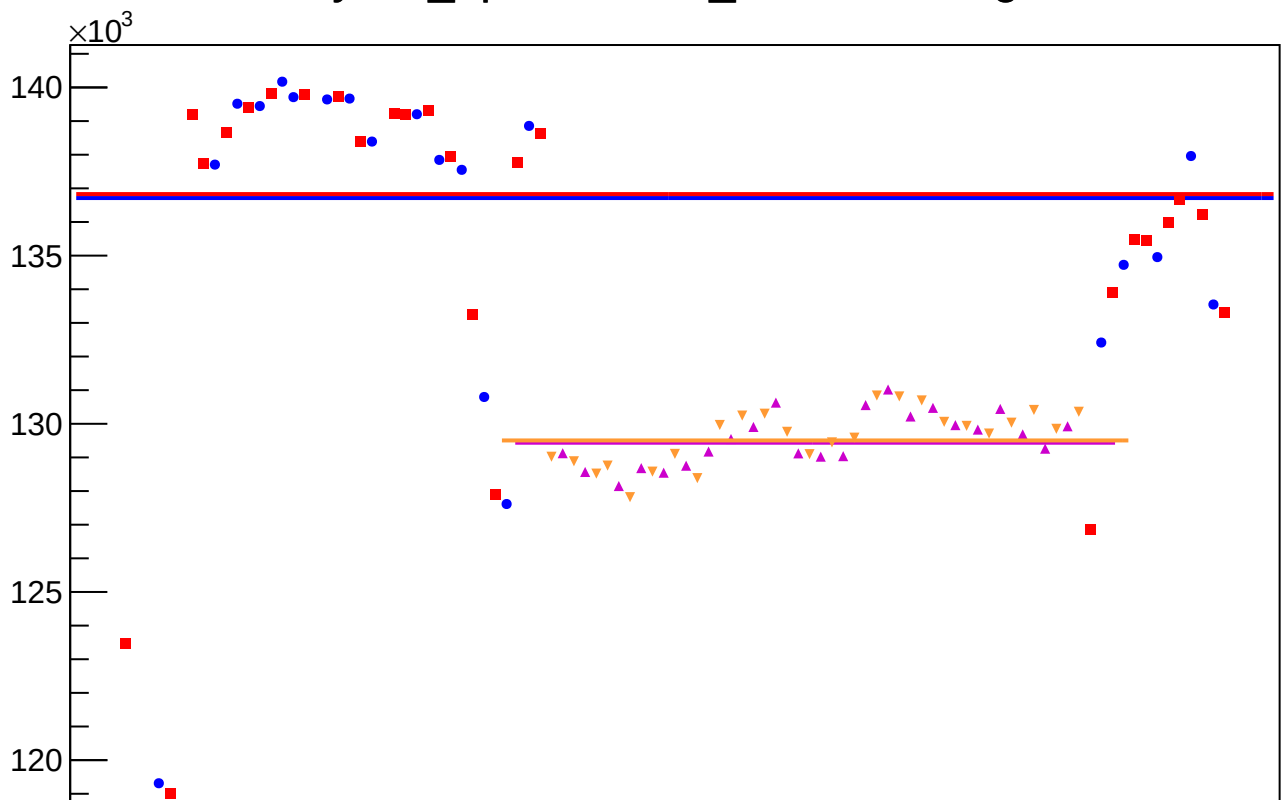
Right Out: 378.600+/-0.085 χ^2/NDF: 1504494.9/26

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 467.027+/-0.067 χ^2/NDF: 4068072.7/45

All: 457.833+/-0.046 χ^2/NDF: 8626219.7/95

- sign 449.299+/-0.064 χ^2/NDF: 4521547.7/49



Right In: 136711.854+/-0.065 χ^2/NDF: 5991647993.3/20

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136829.646+/-0.059 χ^2/NDF: 6379236517.2/26

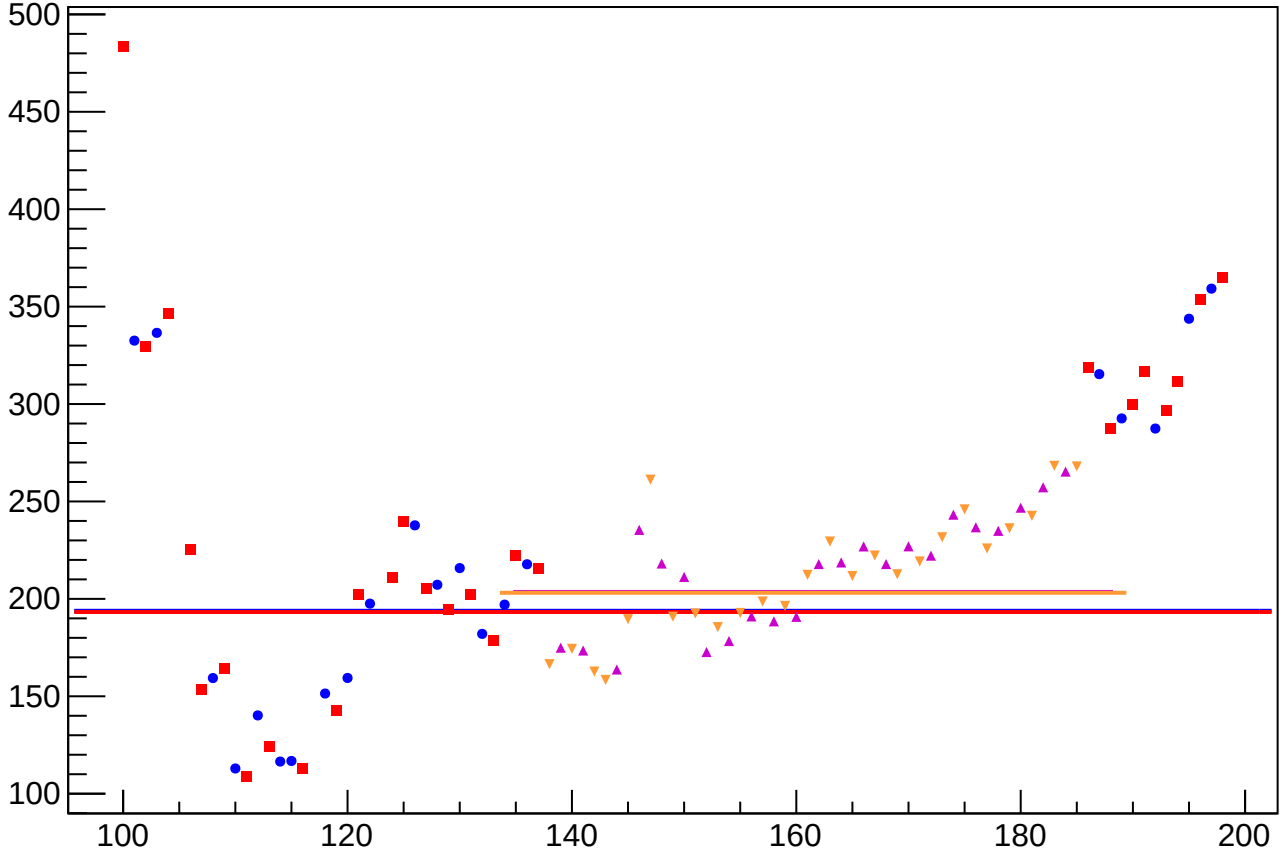
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131995.802+/-0.038 χ^2/NDF: 14418544862.

All: 132198.357+/-0.027 χ^2/NDF: 30444993

- sign 132395.532+/-0.038 χ^2/NDF: 15970429945.9

yield_bpm0l04WS_rms vs Slug



Right In: 193.875+/-0.046 χ^2/NDF: 2413808.4/20

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

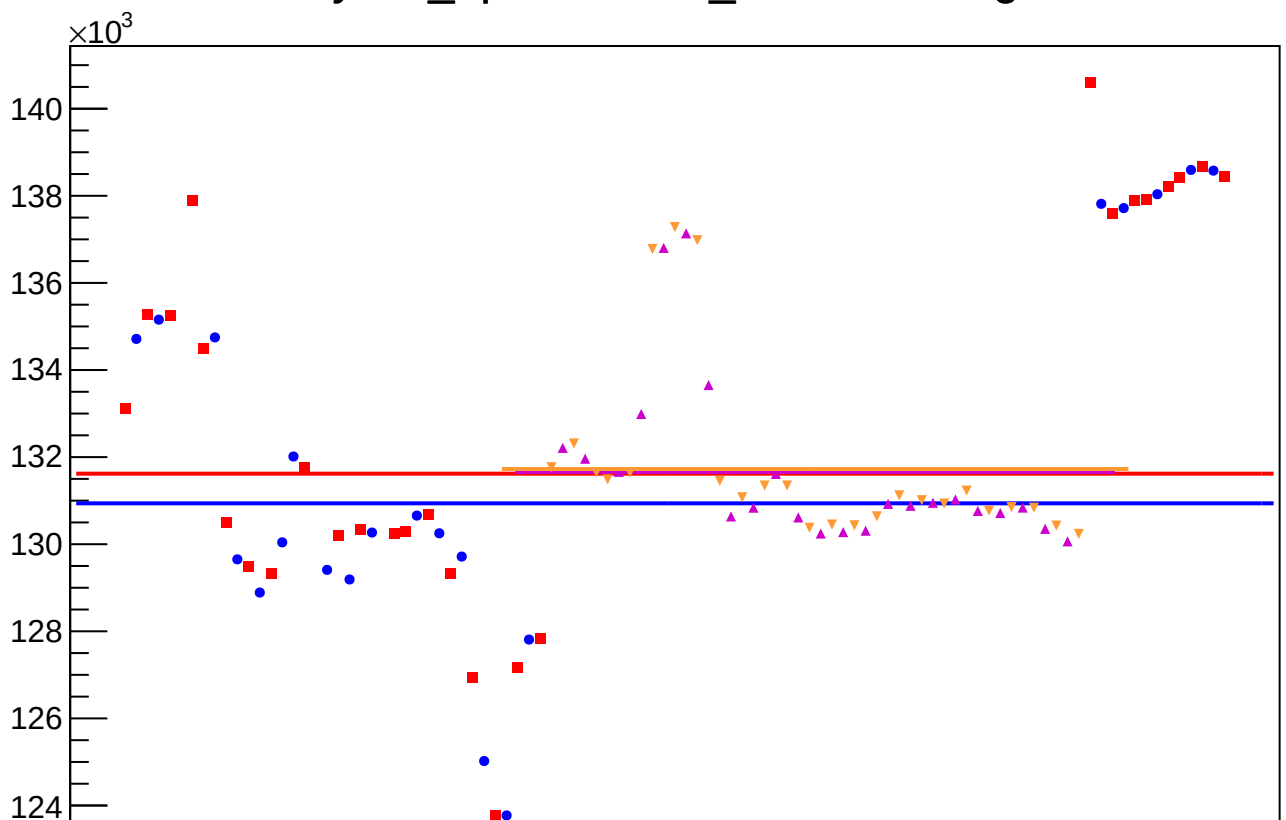
Right Out: 193.277+/-0.042 χ^2/NDF: 3421195.3/26

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 199.930+/-0.027 χ^2/NDF: 3199059.9/45

All: 199.680+/-0.019 χ^2/NDF: 7322452.4/95

- sign 199.437+/-0.027 χ^2/NDF: 4123221.9/49



Right In: 130938.543+/-0.060 χ^2/NDF: 4990471059.5/20

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 131619.811+/-0.054 χ^2/NDF: 6175348061.9/26

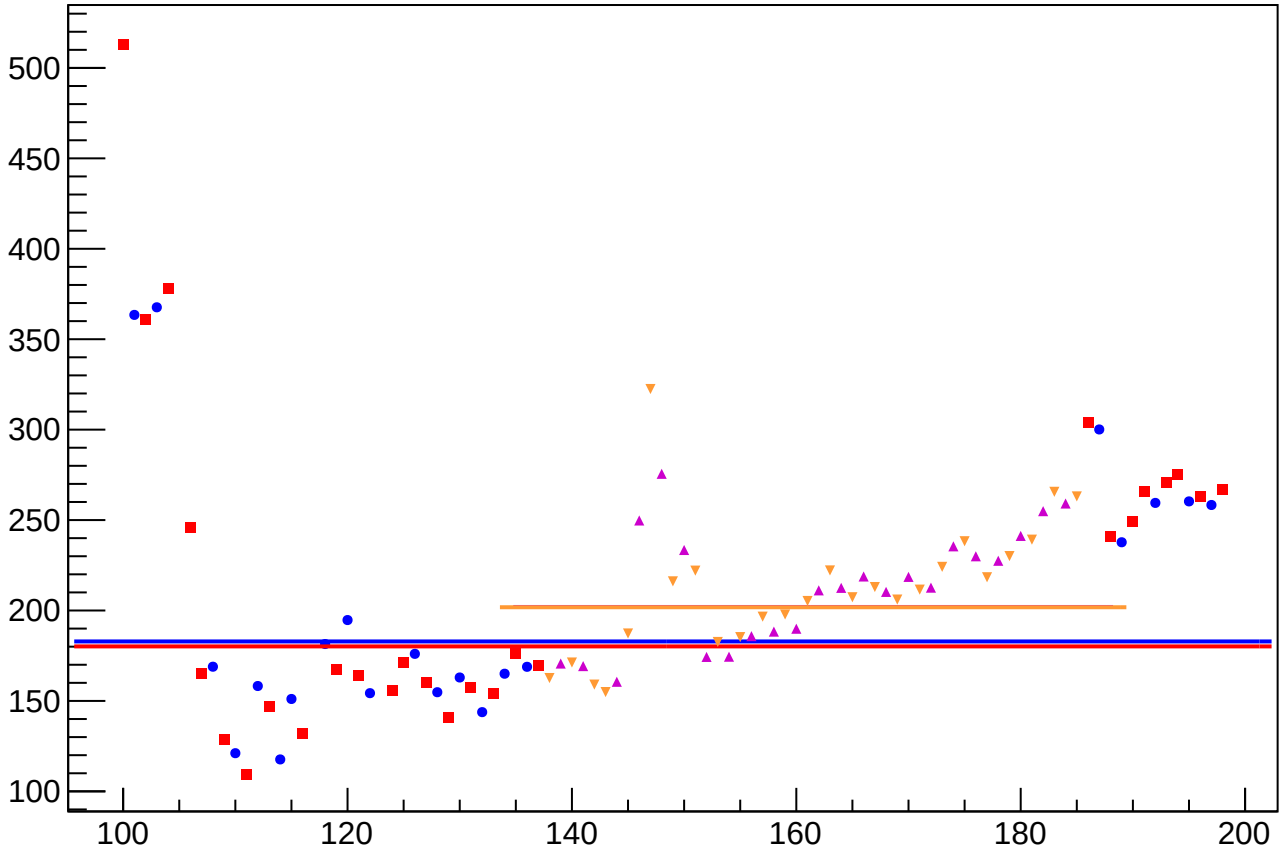
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131427.469+/-0.037 χ^2/NDF: 6523178258.5

All: 131537.549+/-0.026 χ^2/NDF: 13880622

- sign 131642.561+/-0.036 χ^2/NDF: 7340042632.4/

yield_bpm0l05WS_rms vs Slug



Right In: 182.894+/-0.042 χ^2/NDF: 1639774.5/20

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

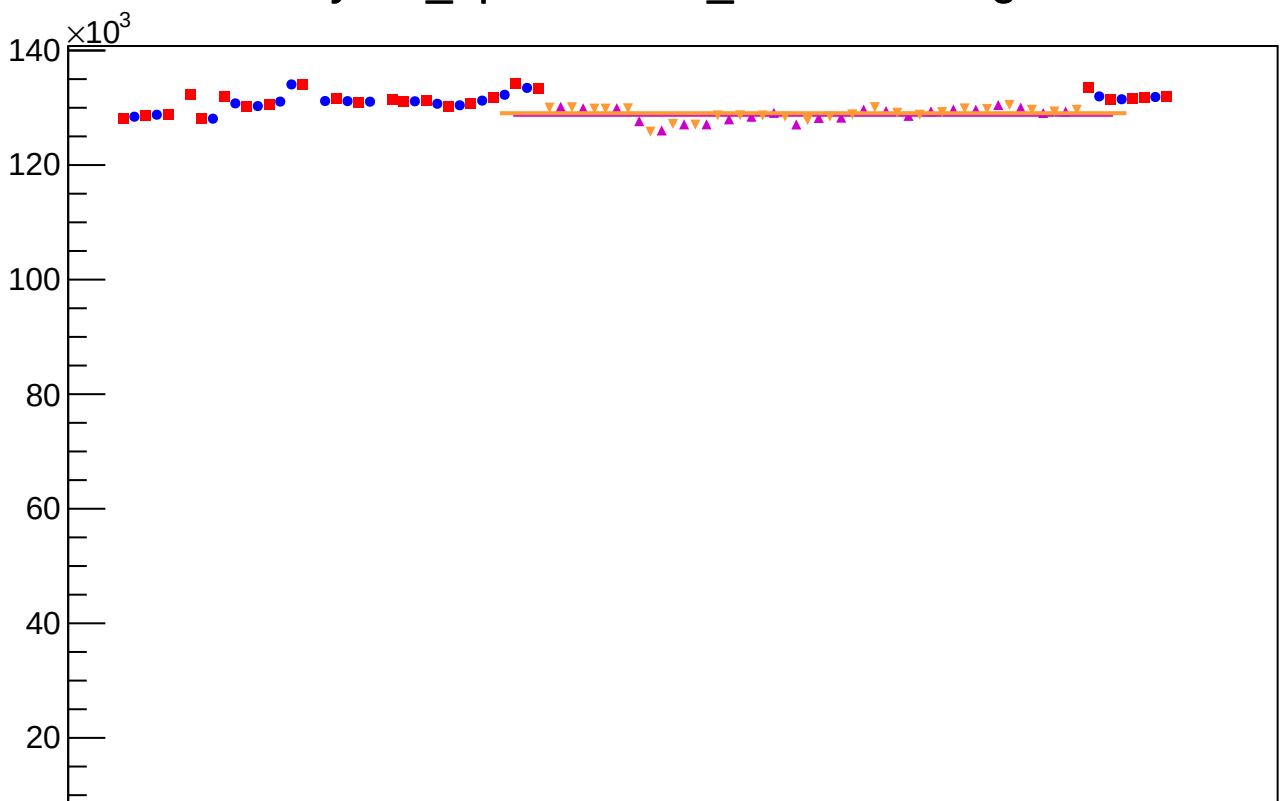
Right Out: 180.147+/-0.038 χ^2/NDF: 2557103.1/26

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 194.615+/-0.026 χ^2/NDF: 2668873.7/45

All: 193.450+/-0.018 χ^2/NDF: 6213075.7/95

- sign 192.338+/-0.025 χ^2/NDF: 3540302.4/49



Right In: 6723.839+/-0.011 χ^2/NDF: 4865915678413.1/20

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 6972.057+/-0.010 χ^2/NDF: 5752295963889.9/26

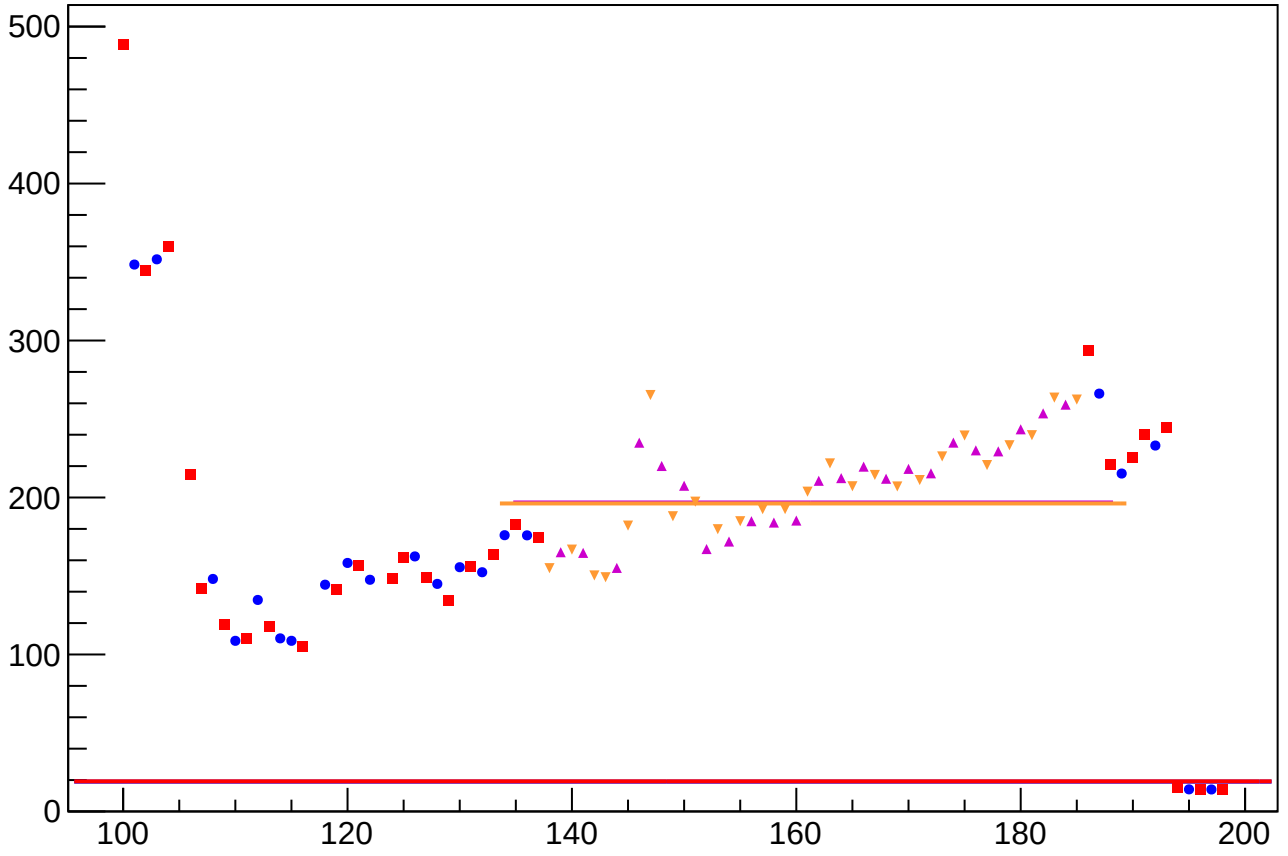
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 12945.529+/-0.010 χ^2/NDF: 1172945613981

All: 12486.574+/-0.007 χ^2/NDF: 239497246

- sign 12084.117+/-0.010 χ^2/NDF: 1221651239786

yield_bpm0l06WS_rms vs Slug



Right In: 18.995+/-0.007 χ^2/NDF: 14093322.5/20

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

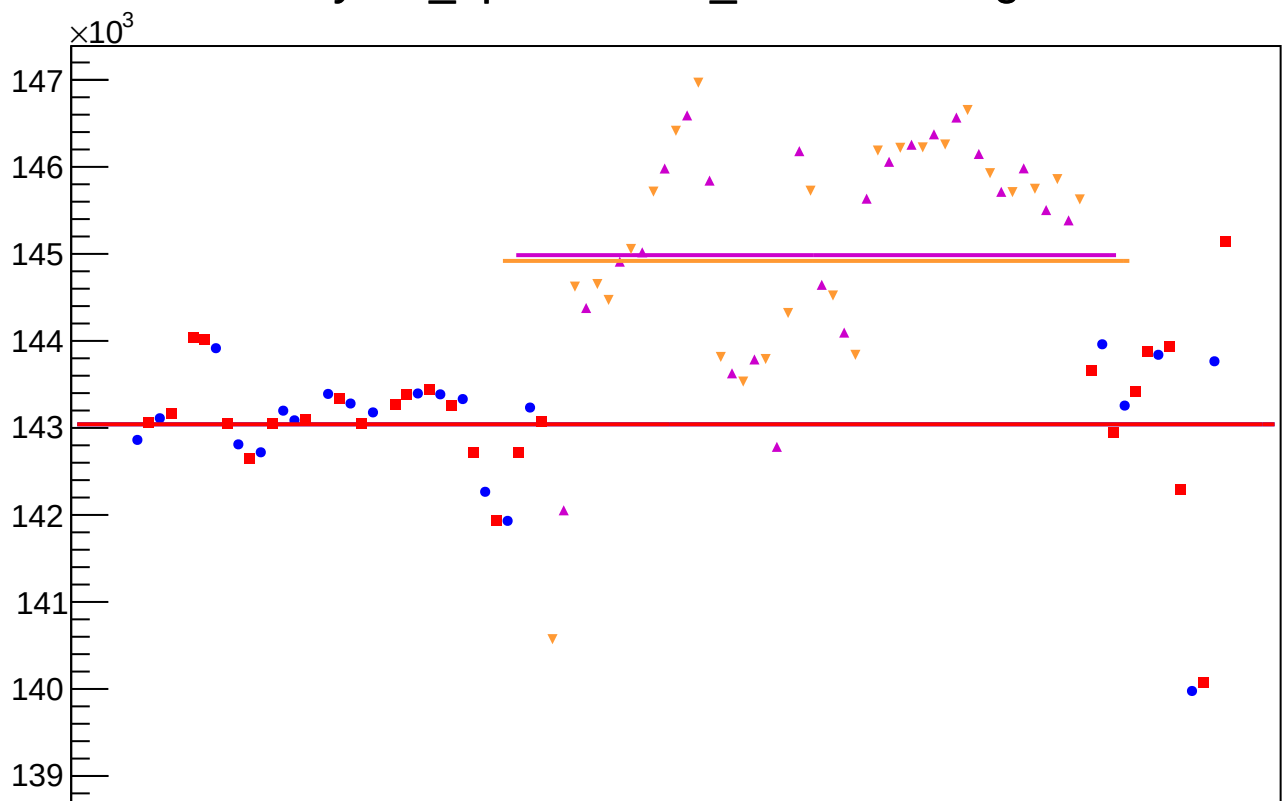
Right Out: 19.195+/-0.007 χ^2/NDF: 16129172.4/26

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

\+ sign 28.008+/-0.007 χ^2/NDF: 43821153.5/45

All: 27.285+/-0.005 χ^2/NDF: 88235408.9/95

\- sign 26.650+/-0.007 χ^2/NDF: 44395591.2/49



Right In: 143041.395+/-0.061 χ^2/NDF: 147180247.4/20

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143041.702+/-0.055 χ^2/NDF: 157685762.0/26

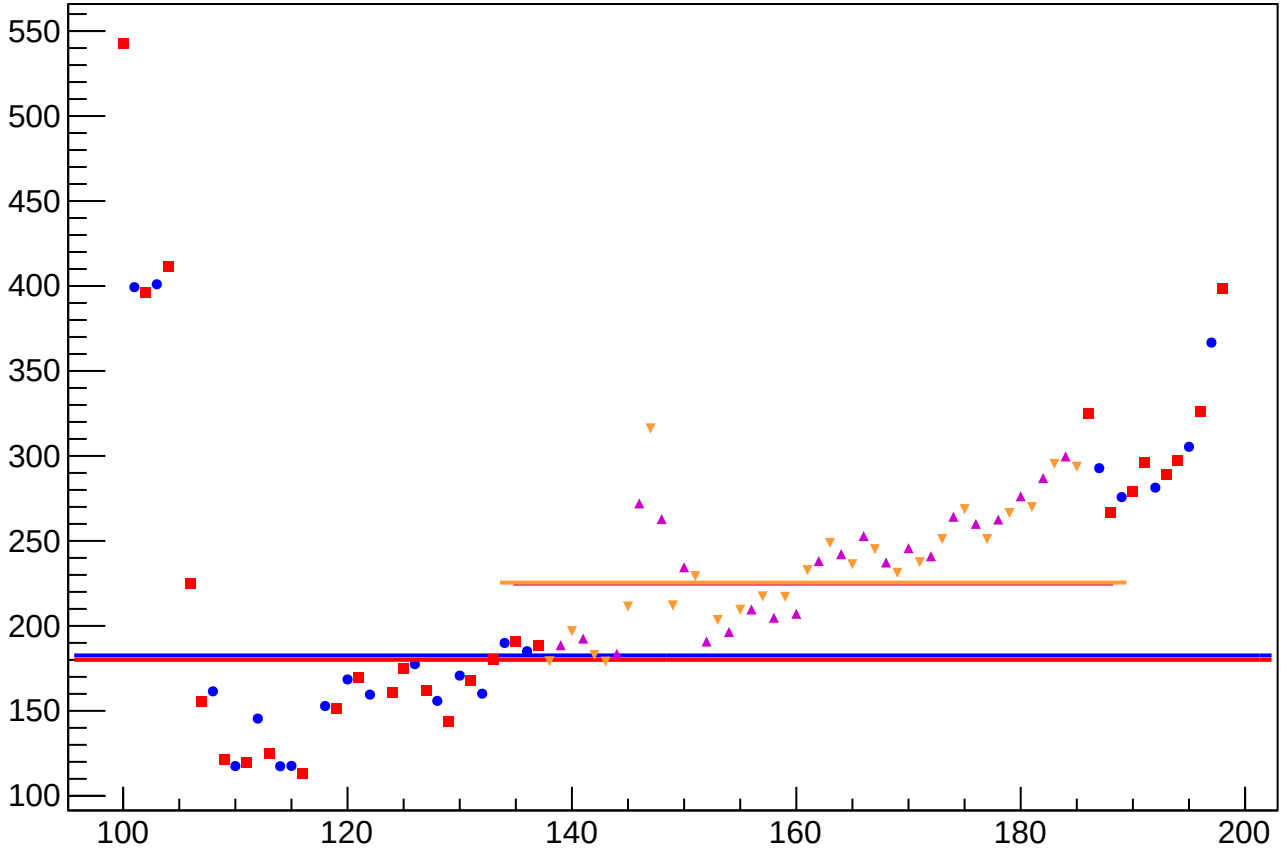
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144118.197+/-0.040 χ^2/NDF: 1534293725.0

All: 144079.358+/-0.028 χ^2/NDF: 29512393

- sign 144042.658+/-0.038 χ^2/NDF: 1415069833.7/

yield_bpm0l07WS_rms vs Slug



Right In: 182.609+/-0.043 χ^2/NDF: 2395521.3/20

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 180.032+/-0.039 χ^2/NDF: 3573666.1/26

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 207.188+/-0.028 χ^2/NDF: 3745715.1/45

All: 205.096+/-0.019 χ^2/NDF: 8733566.9/95

- sign 203.120+/-0.027 χ^2/NDF: 4976967.6/49

Right In: 241.998+/-0.006 χ^2/NDF: 5328821342925.8/20

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 127.790+/-0.005 χ^2/NDF: 6416917696261.3/26

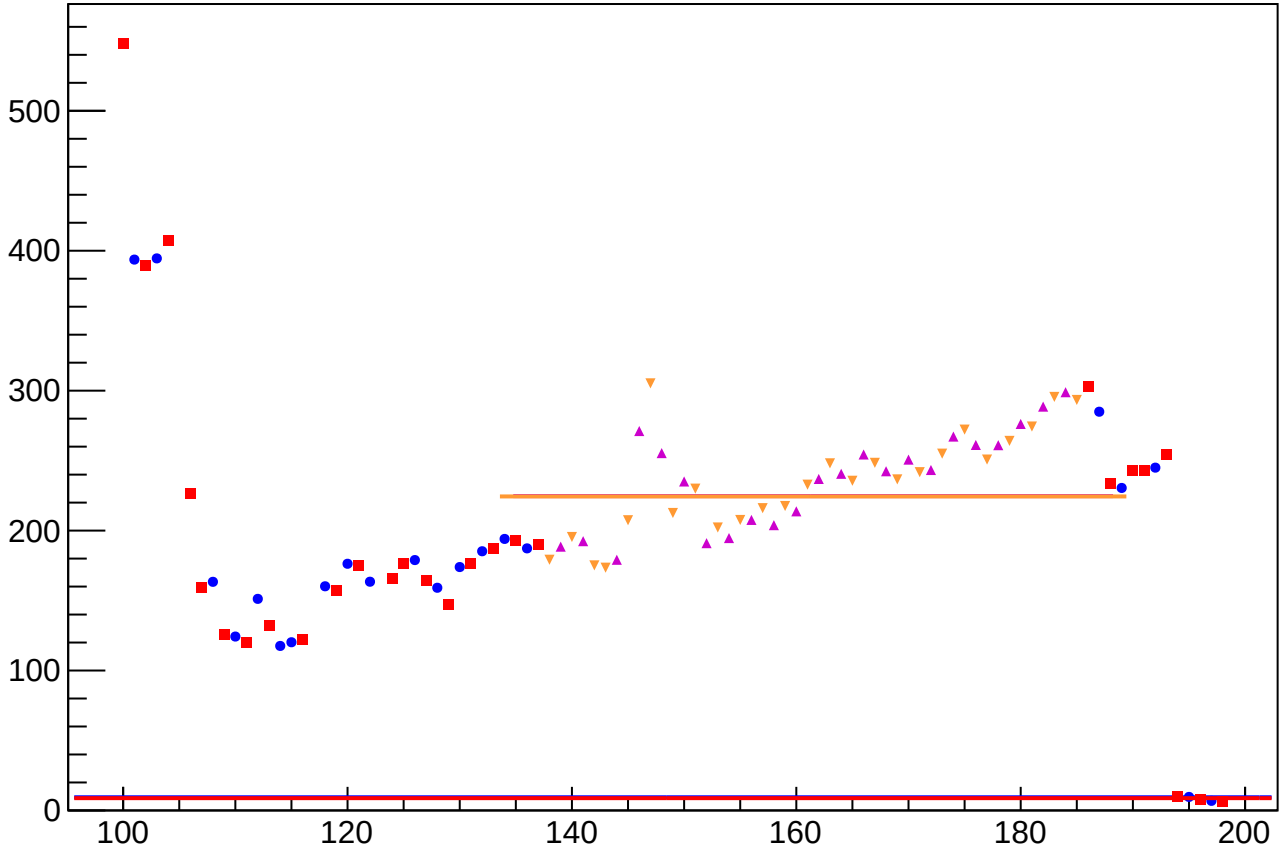
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 2204.438+/-0.006 χ^2/NDF: 13082542154892

All: 1824.743+/-0.004 χ^2/NDF: 2685839078

- sign 1536.028+/-0.005 χ^2/NDF: 13768878071610

yield_bpm0l08WS_rms vs Slug



Right In: 9.410+/-0.004 χ^2/NDF: 15789573.0/20

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

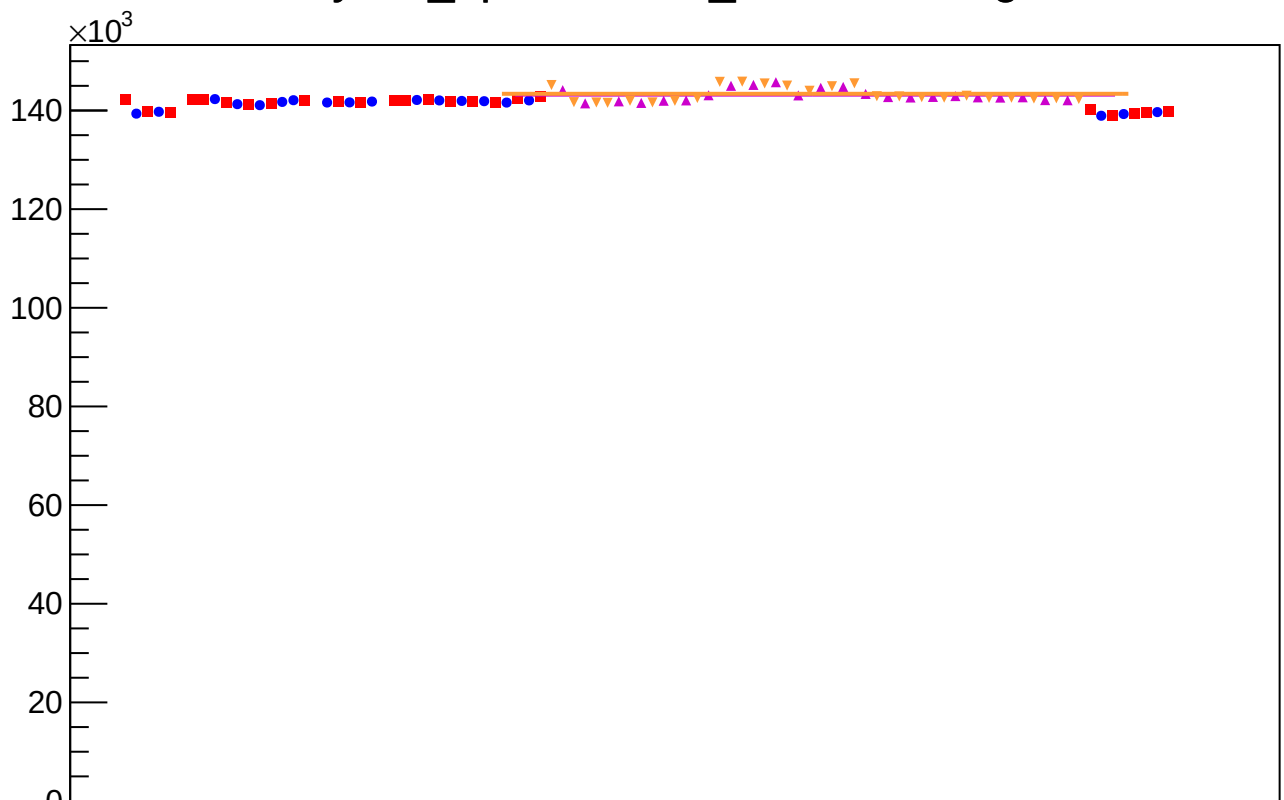
Right Out: 8.792+/-0.004 χ^2/NDF: 18190073.6/26

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 12.303+/-0.004 χ^2/NDF: 50355617.3/45

All: 11.492+/-0.003 χ^2/NDF: 101537443.3/95

- sign 10.875+/-0.004 χ^2/NDF: 51118139.7/49



Right In: -783.590+/-0.007 χ^2/NDF: 4902550032028.9/20

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -1129.325+/-0.006 χ^2/NDF: 5777728343215.5/26

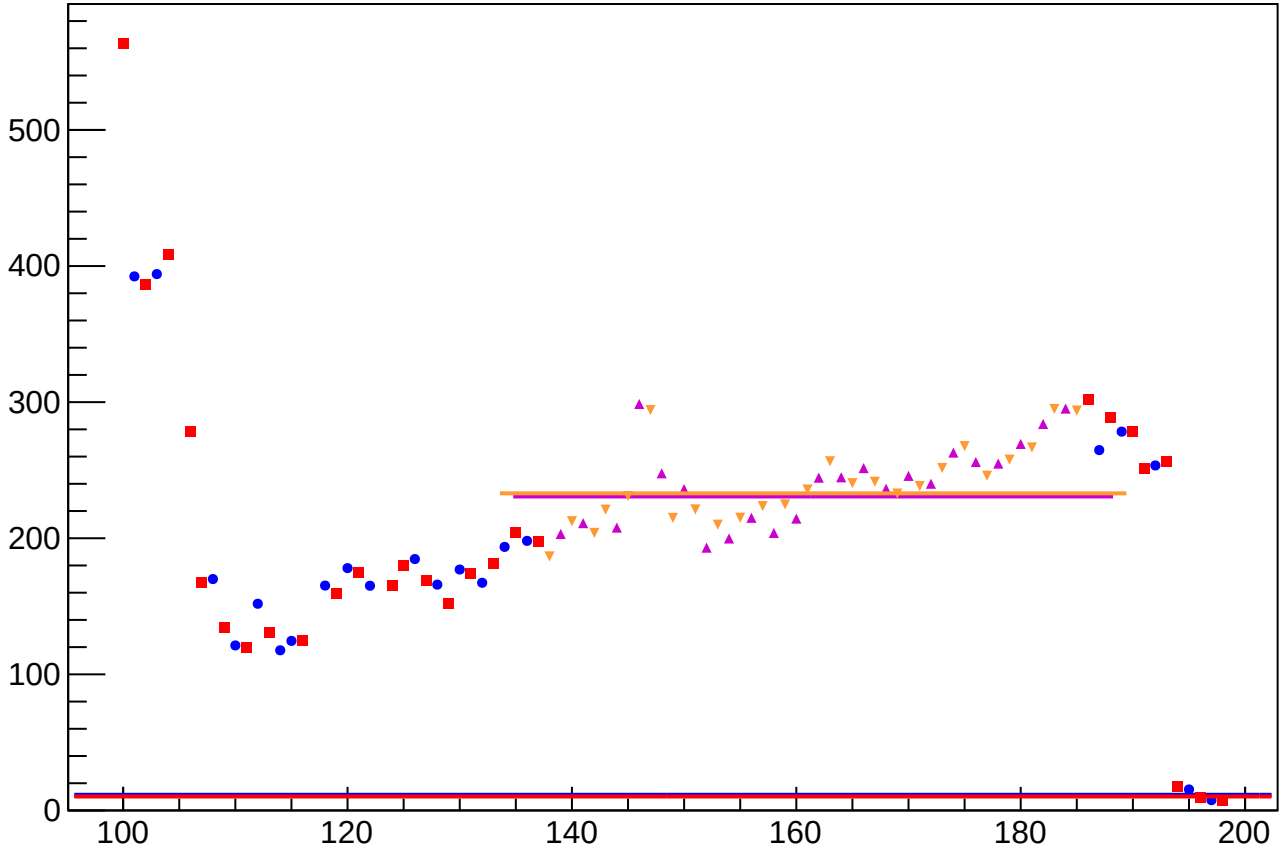
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 1958.895+/-0.007 χ^2/NDF: 1197826645027

All: 1216.408+/-0.005 χ^2/NDF: 2461693230

- sign 700.333+/-0.006 χ^2/NDF: 12621620490045.4

yield_bpm0l09WS_rms vs Slug



Right In: 11.508+/-0.005 χ^2/NDF: 15757891.0/20

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

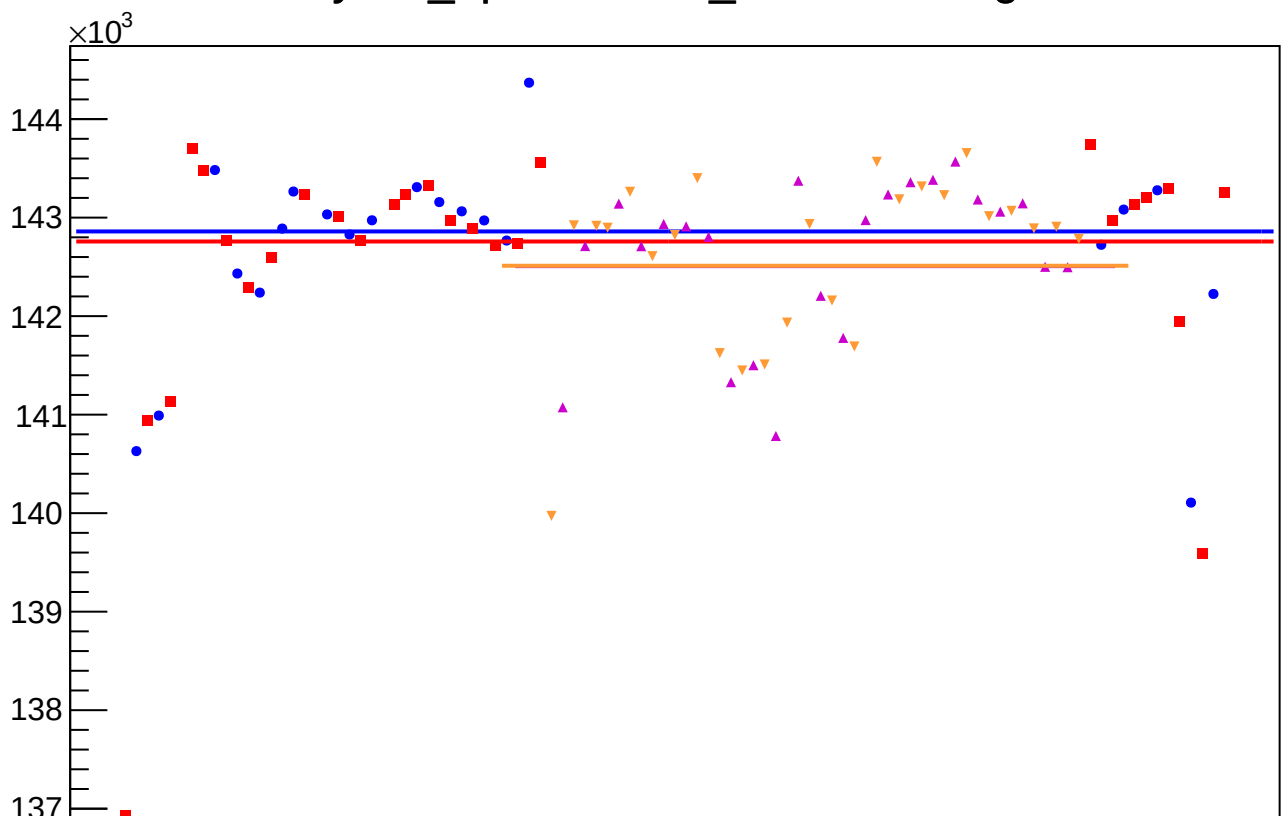
Right Out: 10.255+/-0.004 χ^2/NDF: 18136568.3/26

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 15.721+/-0.005 χ^2/NDF: 49603695.3/45

All: 14.145+/-0.003 χ^2/NDF: 100323655.5/95

- sign 13.049+/-0.004 χ^2/NDF: 50566246.5/49



Right In: 142859.728+/-0.063 χ^2/NDF: 198465809.5/20

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142757.677+/-0.057 χ^2/NDF: 160252702.9/26

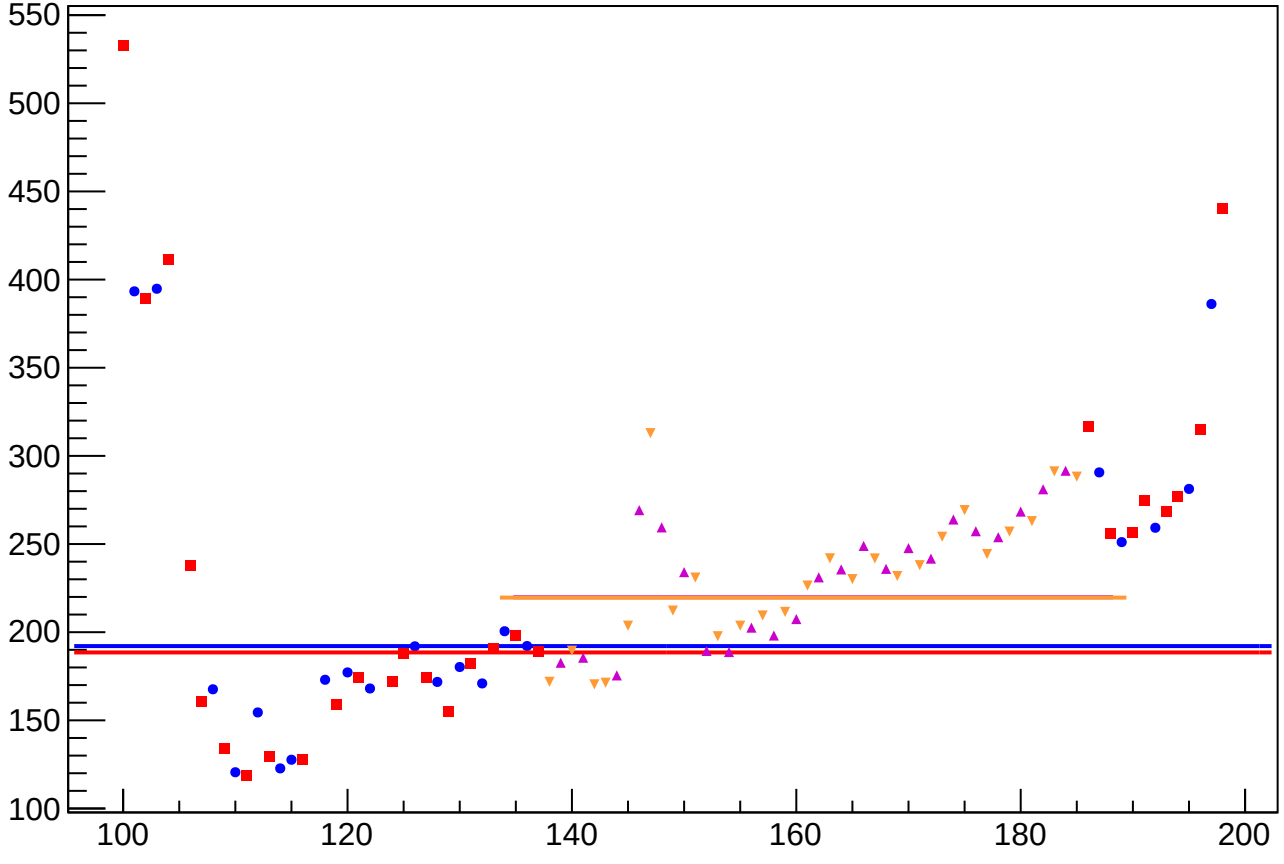
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142648.515+/-0.040 χ^2/NDF: 554991397.6/4

All: 142634.733+/-0.028 χ^2/NDF: 995142100

- sign 142621.629+/-0.039 χ^2/NDF: 439914817.6/4

yield_bpm0l10WS_rms vs Slug



Right In: 192.118+/-0.045 χ^2/NDF: 1990789.6/20

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

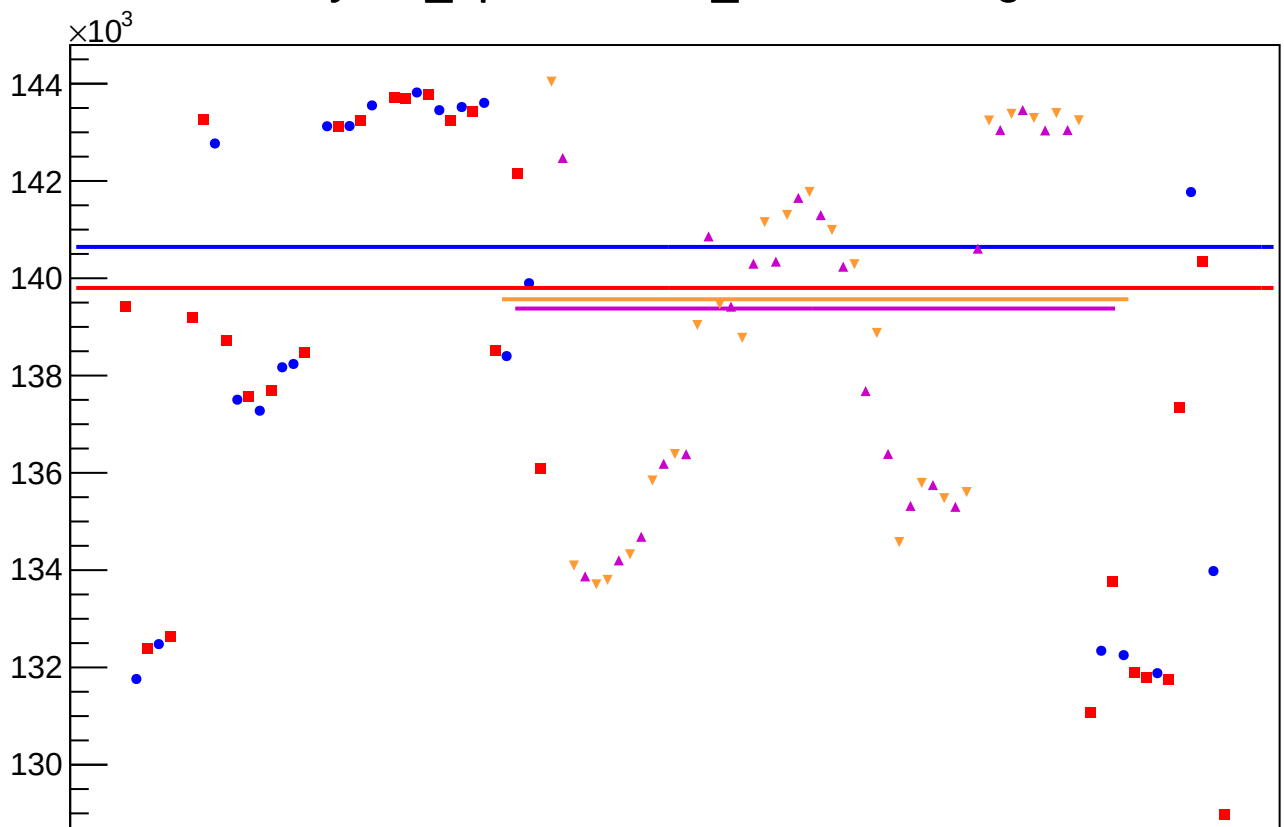
Right Out: 188.513+/-0.040 χ^2/NDF: 3079892.7/26

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 208.792+/-0.028 χ^2/NDF: 3122646.2/45

All: 207.124+/-0.020 χ^2/NDF: 7340377.7/95

- sign 205.539+/-0.027 χ^2/NDF: 4210824.9/49



Right In: 140644.192+/-0.090 χ^2/NDF: 1867010803.8/20

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139800.934+/-0.088 χ^2/NDF: 2359799650.6/26

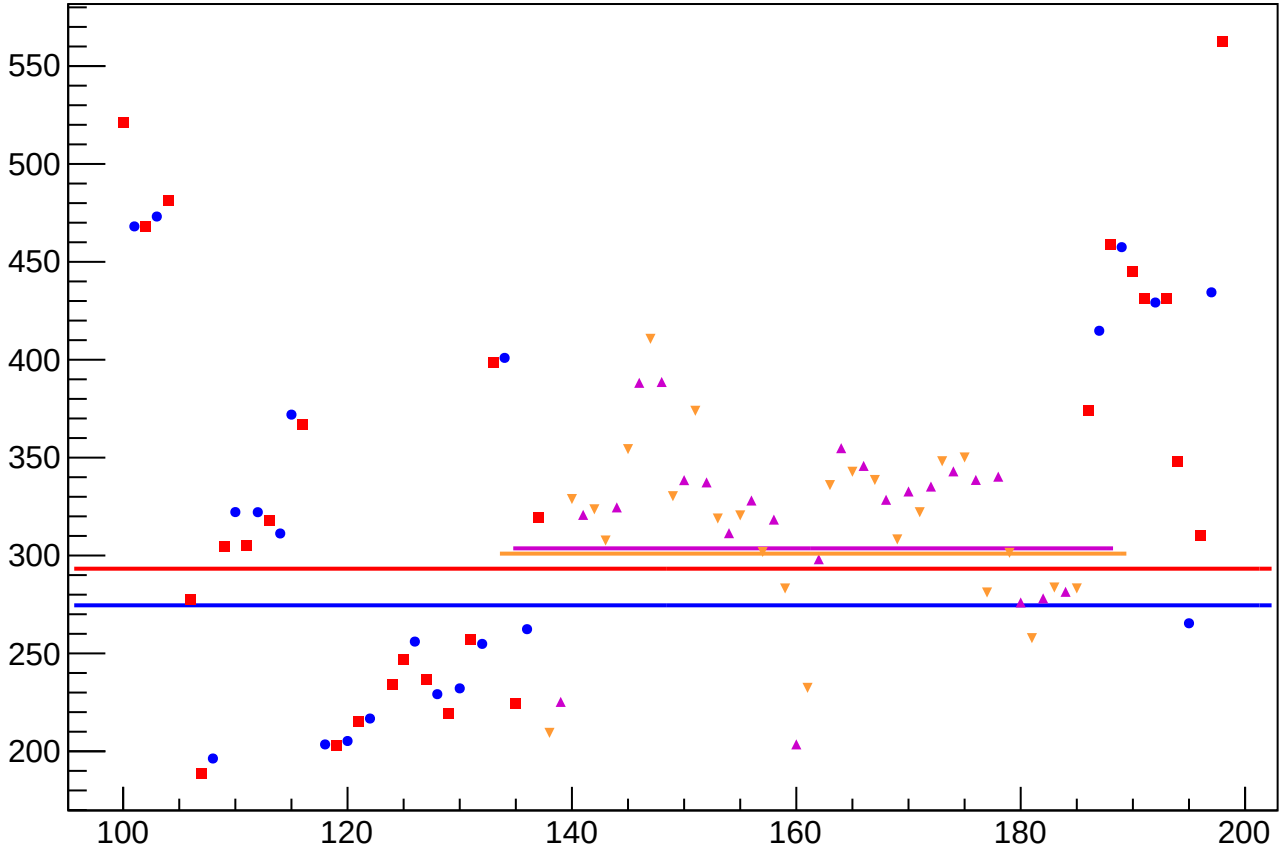
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139973.944+/-0.055 χ^2/NDF: 4542515326.7

All: 139765.369+/-0.039 χ^2/NDF: 88664053

- sign 139550.534+/-0.056 χ^2/NDF: 4294992523.7/

yield_bpm0r03WS_rms vs Slug



Right In: 274.559+/-0.064 χ^2/NDF: 1688188.7/20

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

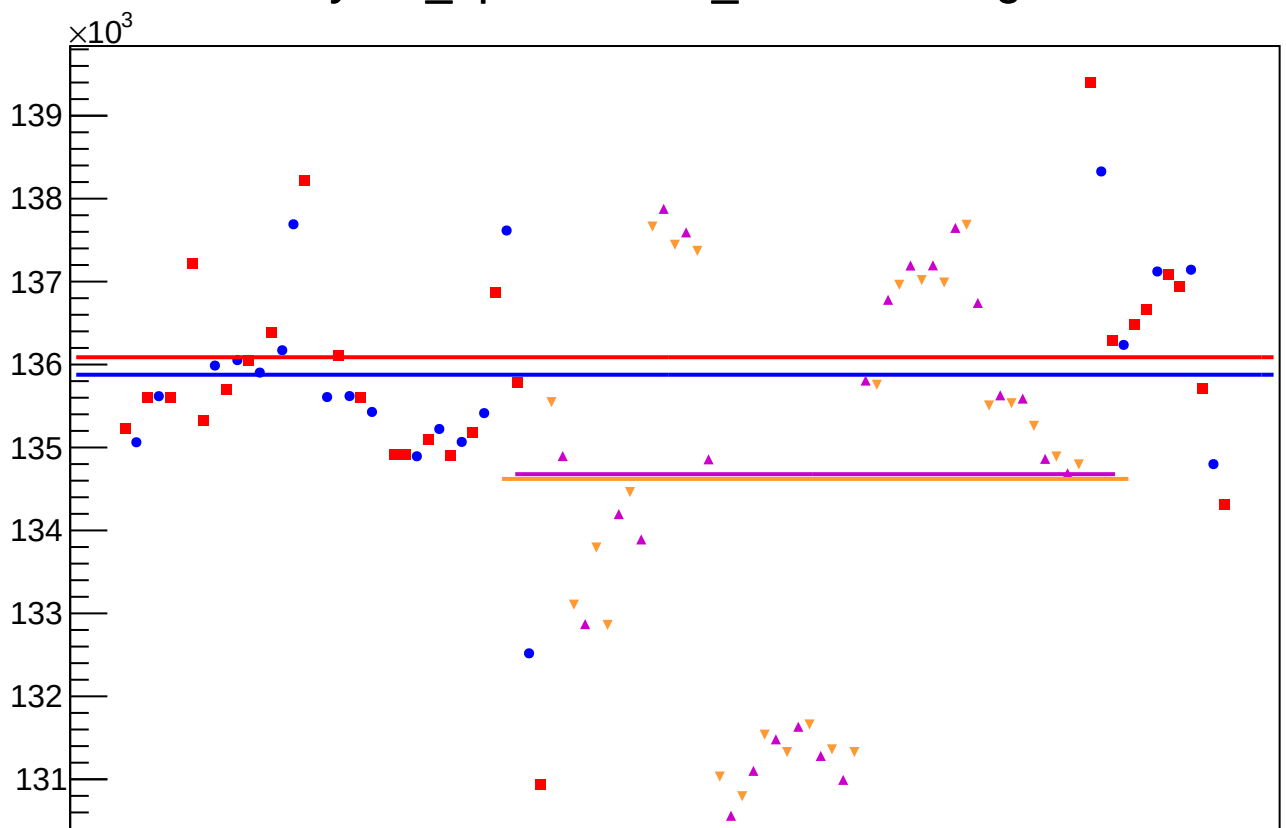
Right Out: 293.269+/-0.062 χ^2/NDF: 2209816.9/26

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 291.015+/-0.039 χ^2/NDF: 2672222.0/45

All: 295.153+/-0.028 χ^2/NDF: 5897602.4/95

- sign 299.414+/-0.040 χ^2/NDF: 3202640.1/49



Right In: 135877.133+/-0.094 χ^2/NDF: 161820908.8/20

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136088.082+/-0.081 χ^2/NDF: 194014485.8/26

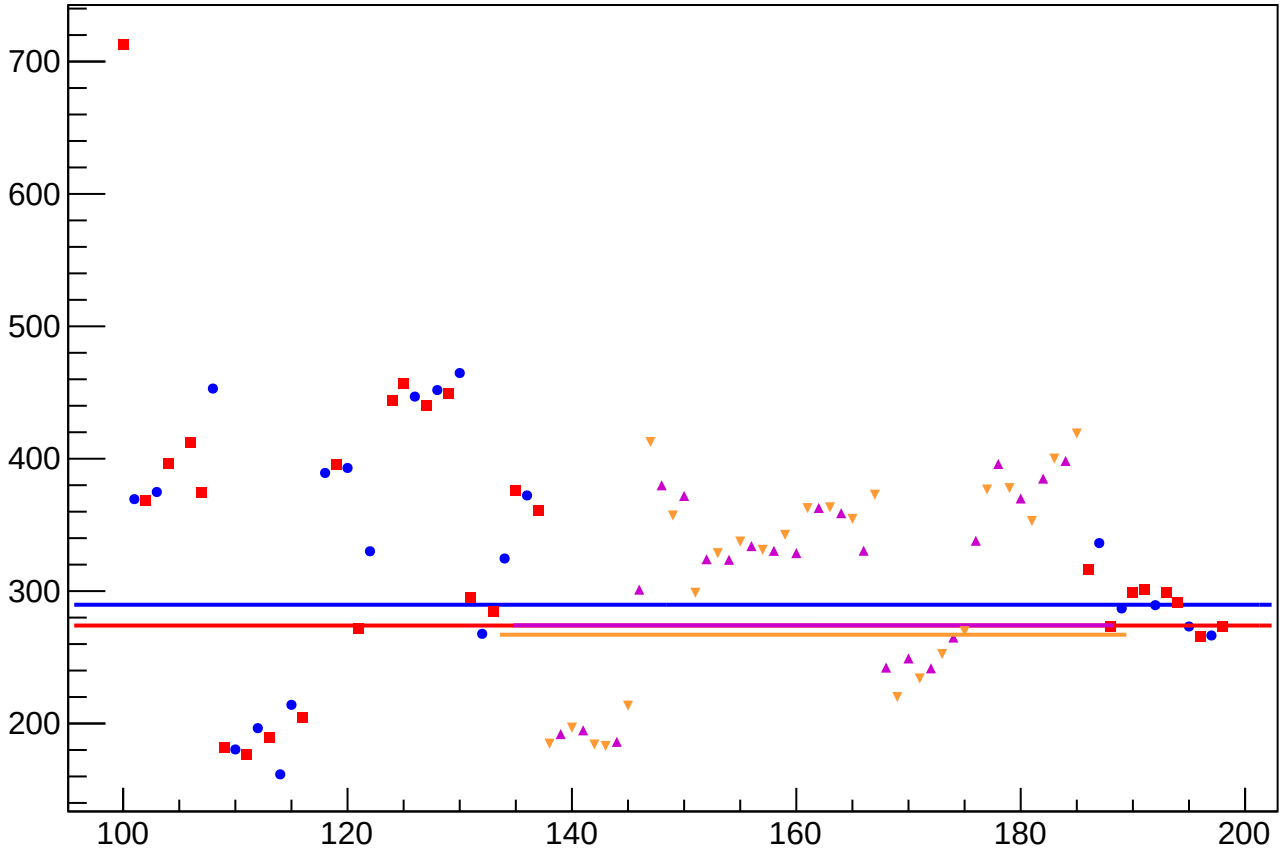
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 135019.472+/-0.053 χ^2/NDF: 1486535088.5

All: 135138.459+/-0.037 χ^2/NDF: 29675689

- sign 135252.294+/-0.052 χ^2/NDF: 1471045597.3/

yield_bpm0r05WS_rms vs Slug



Right In: 289.695+/-0.066 χ^2/NDF: 1473372.0/20

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

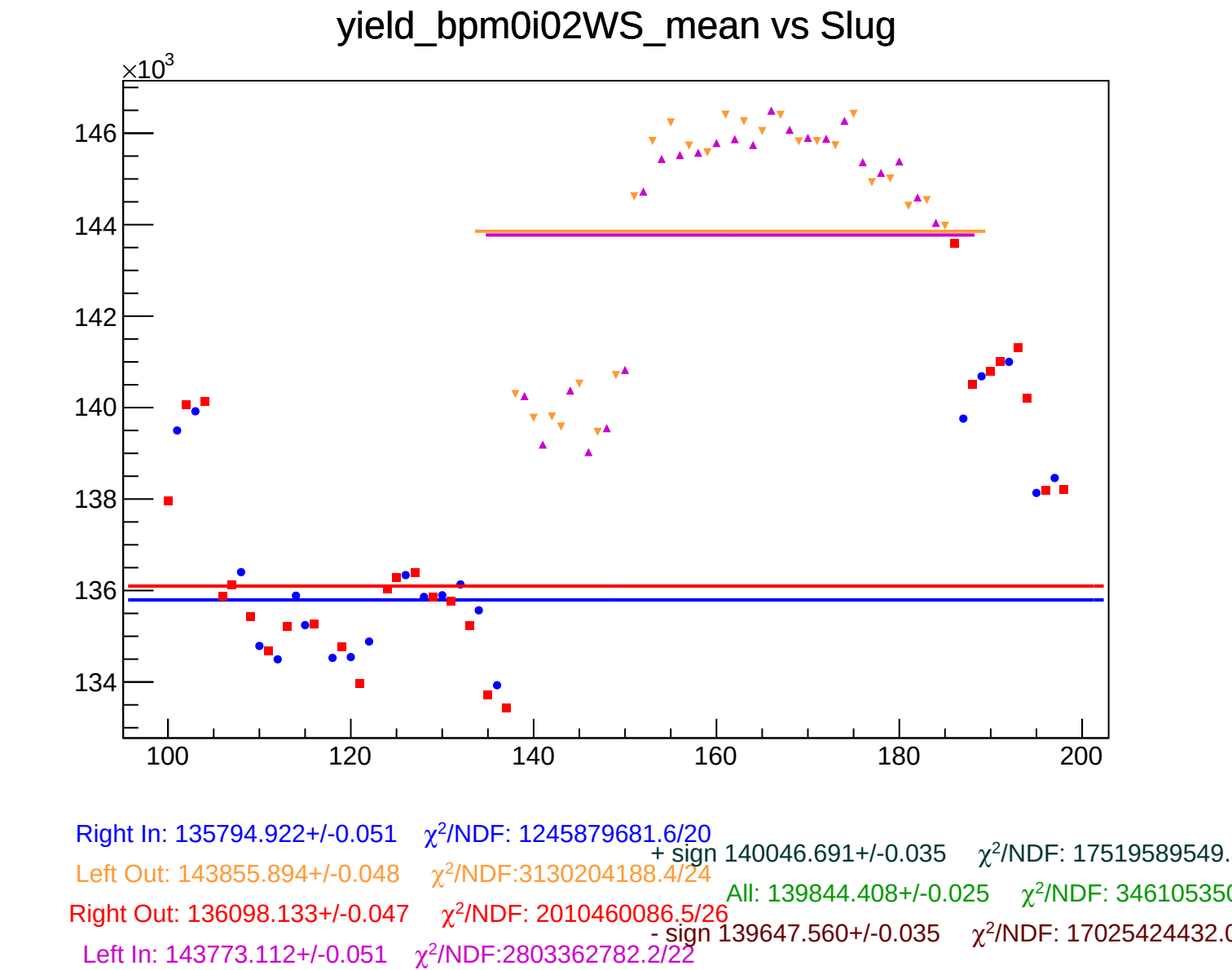
Right Out: 273.992+/-0.057 χ^2/NDF: 1728720.9/26

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

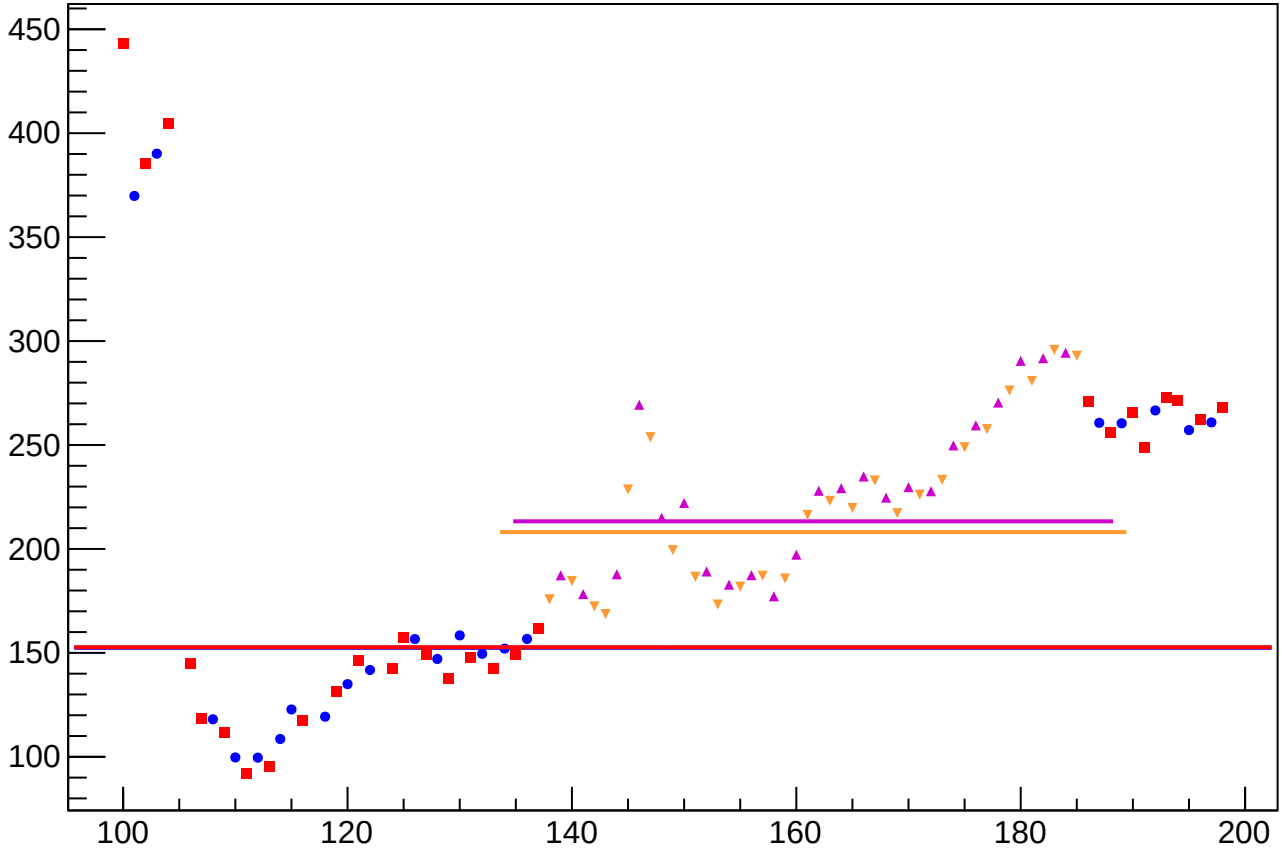
+ sign 274.236+/-0.037 χ^2/NDF: 4396744.6/45

All: 274.167+/-0.026 χ^2/NDF: 8362233.6/95

- sign 274.102+/-0.036 χ^2/NDF: 3965482.3/49


yield_bpm0i02WS_mean vs Slug
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
200
Right In: 135794.922+/-0.051 χ²/NDF: 1245879681.6/20
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 136098.133+/-0.047 χ²/NDF: 2010460086.5/26
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
+ sign 140046.691+/-0.035 χ²/NDF: 17519589549.
All: 139844.408+/-0.025 χ²/NDF: 34610535
- sign 139647.560+/-0.035 χ²/NDF: 17025424432.

yield_bpm0i02WS_rms vs Slug



Right In: 152.449+/-0.036 χ^2/NDF: 2736017.4/20

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

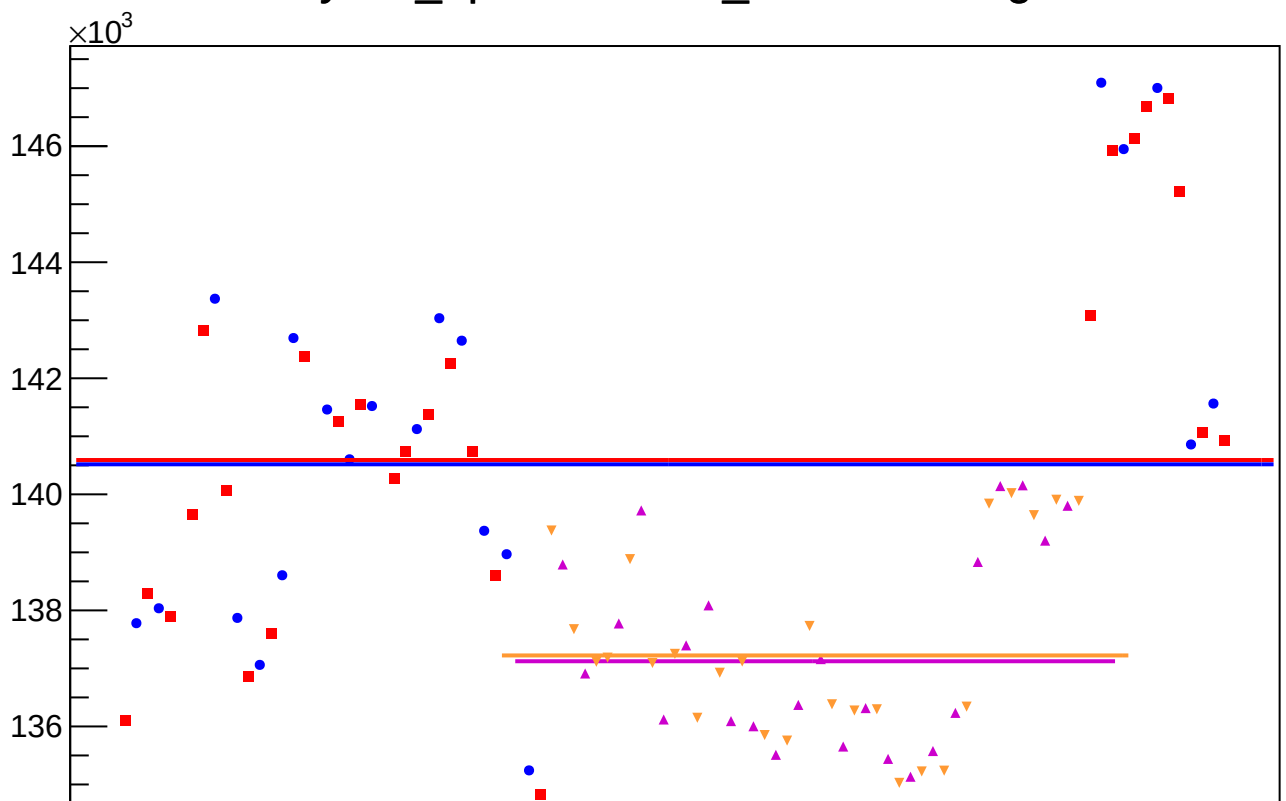
Right Out: 152.735+/-0.033 χ^2/NDF: 3798129.6/26

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 181.802+/-0.025 χ^2/NDF: 4981947.6/45

All: 181.263+/-0.017 χ^2/NDF: 11166793.2/95

- sign 180.739+/-0.024 χ^2/NDF: 6183915.1/49



Right In: 140517.519+/-0.057 χ^2/NDF: 2804705657.9/20

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140591.421+/-0.053 χ^2/NDF: 3238939219.0/26

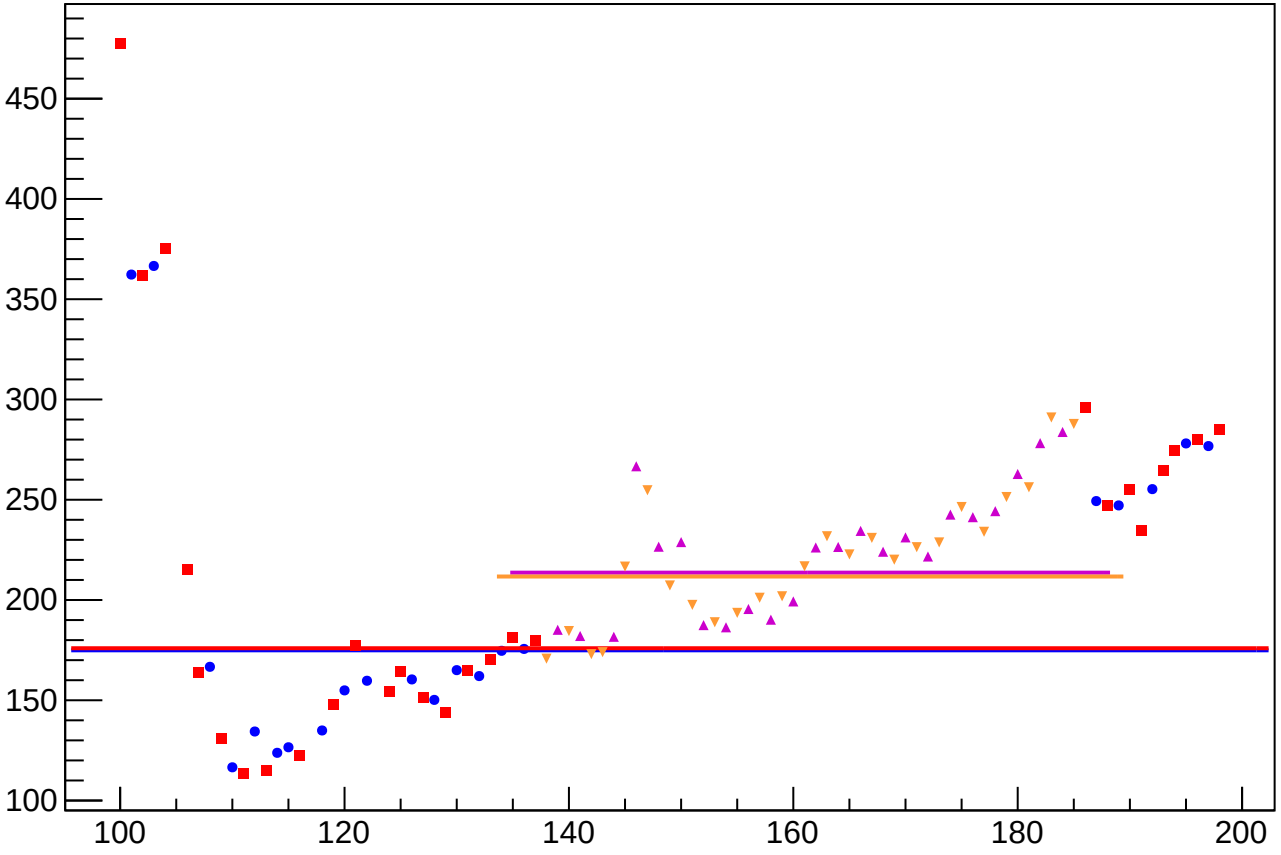
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138614.227+/-0.037 χ^2/NDF: 5603307393.2

All: 138698.999+/-0.026 χ^2/NDF: 11931651

- sign 138781.486+/-0.037 χ^2/NDF: 6318144141.4/

yield_bpm0i02aWS_rms vs Slug



Right In: 174.915+/-0.041 χ^2/NDF: 1941053.6/20

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

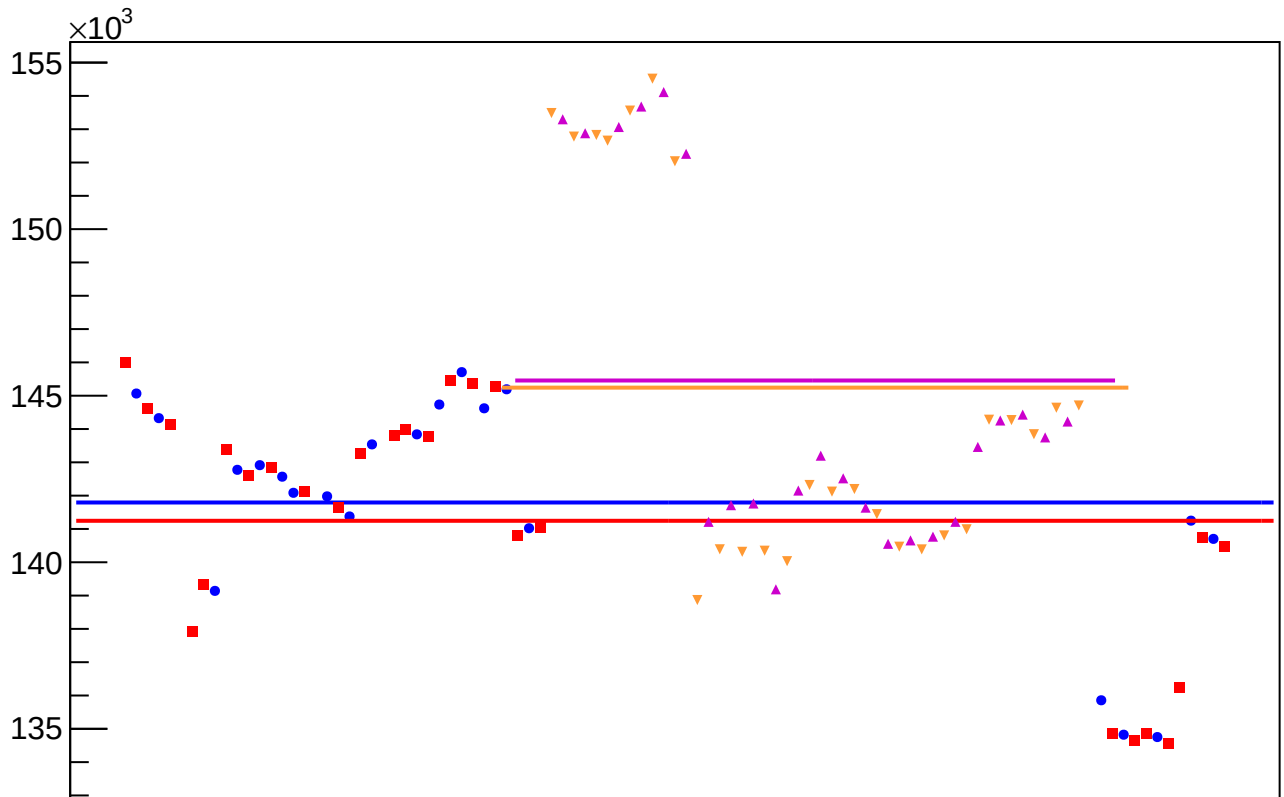
Right Out: 175.946+/-0.038 χ^2/NDF: 2807664.1/26

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 196.178+/-0.026 χ^2/NDF: 3091940.2/45

All: 195.895+/-0.019 χ^2/NDF: 7045403.3/95

- sign 195.620+/-0.026 χ^2/NDF: 3953235.6/49



Right In: 141794.339+/-0.059 χ^2/NDF: 2683129667.9/20

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141244.826+/-0.053 χ^2/NDF: 4369117827.0/26

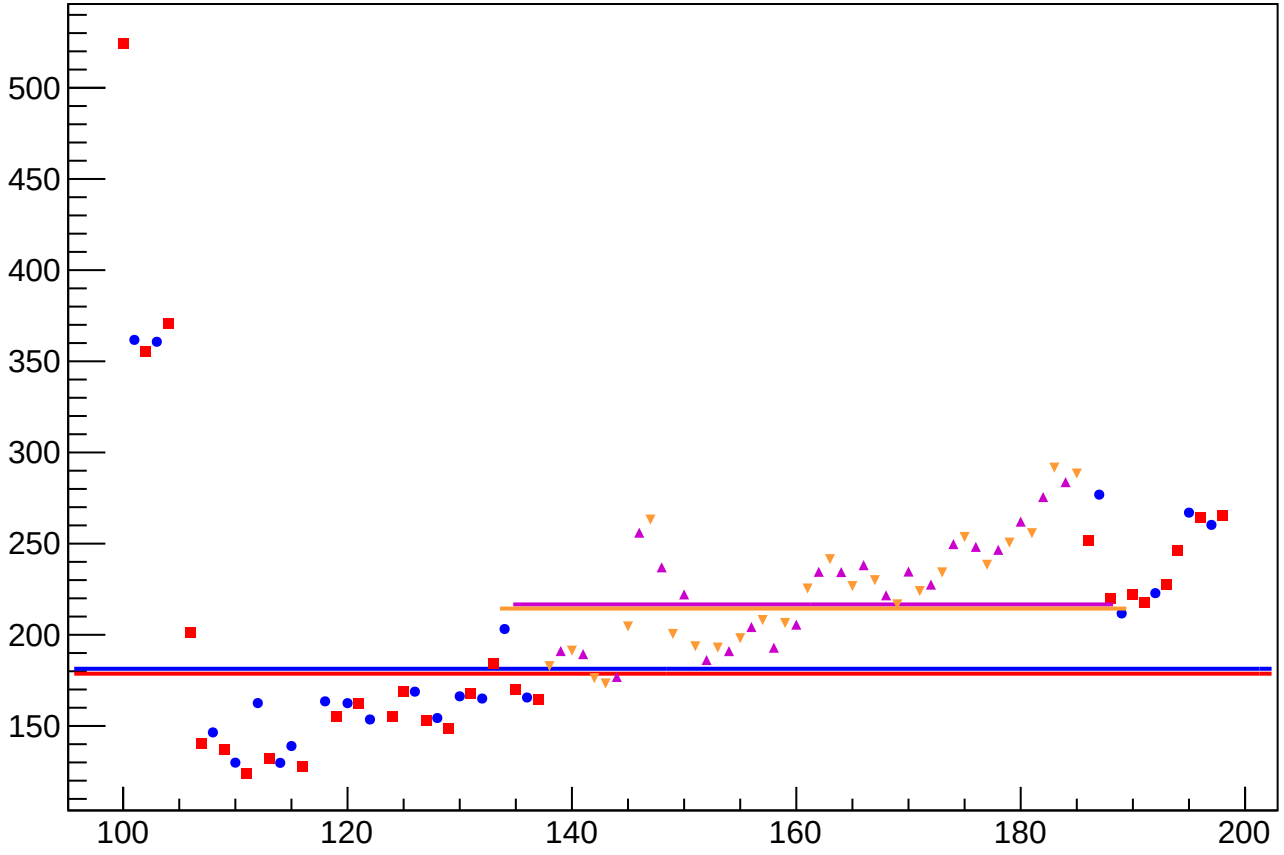
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143806.074+/-0.038 χ^2/NDF: 17727392900.

All: 143603.726+/-0.026 χ^2/NDF: 3646384

- sign 143411.003+/-0.037 χ^2/NDF: 18680810016.

yield_bpm0i05WS_rms vs Slug



Right In: 181.371+/-0.042 χ^2/NDF: 1428576.6/20

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

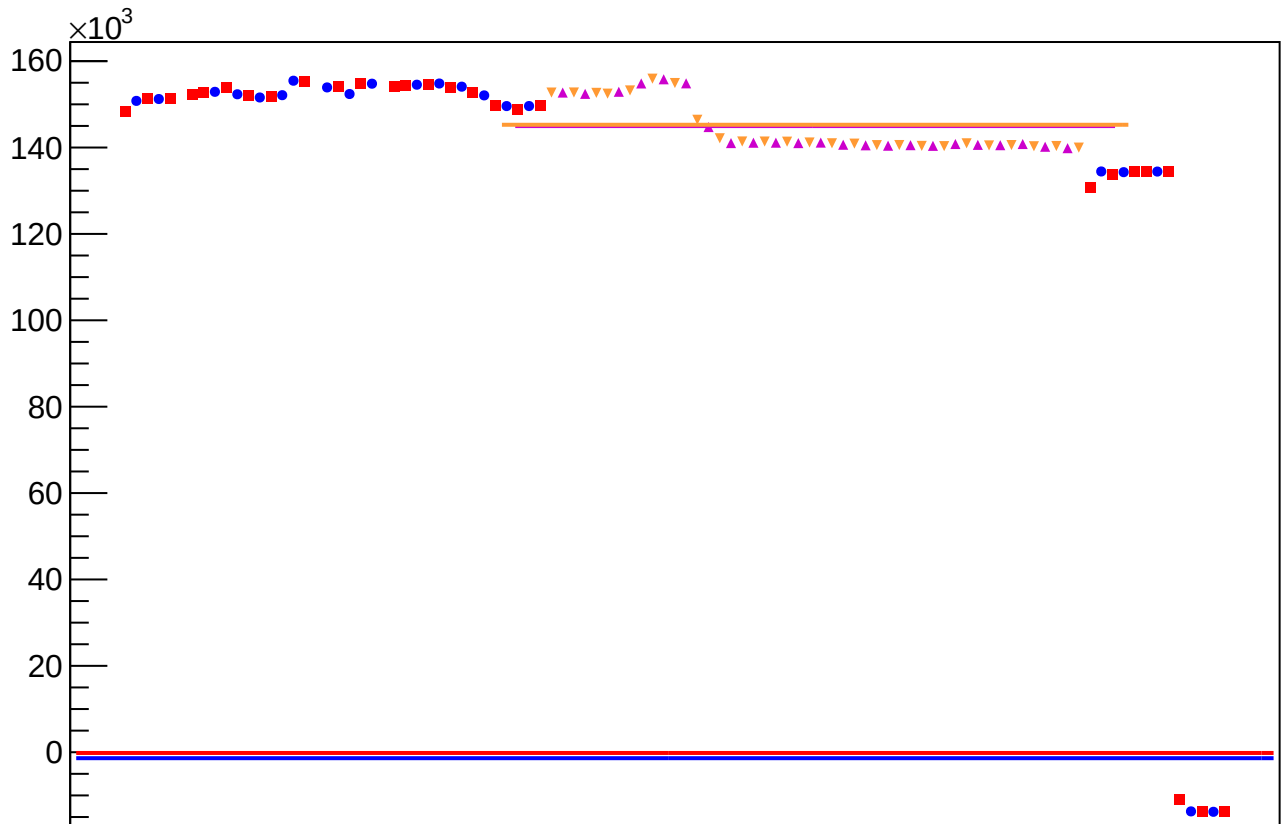
Right Out: 178.675+/-0.038 χ^2/NDF: 1982455.2/26

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 200.637+/-0.027 χ^2/NDF: 2440868.7/45

All: 199.393+/-0.019 χ^2/NDF: 5541358.0/95

- sign 198.208+/-0.026 χ^2/NDF: 3096282.8/49



Right In: -1379.861+/-0.018 χ^2/NDF: 5530392965395.7/20

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -169.812+/-0.017 χ^2/NDF: 6697584392431.8/26

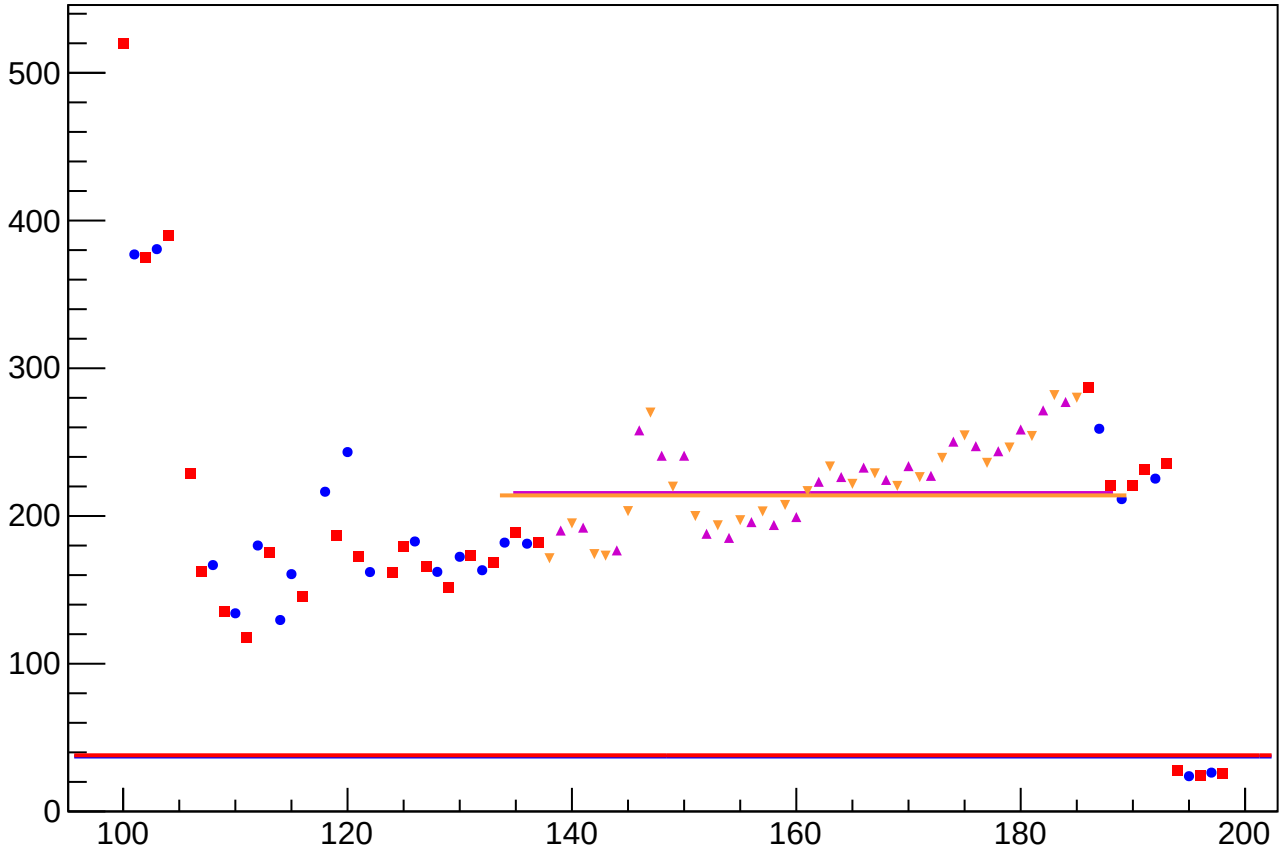
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 16489.860+/-0.017 χ^2/NDF: 132868396293

All: 15381.160+/-0.012 χ^2/NDF: 272330296

- sign 14399.380+/-0.016 χ^2/NDF: 1393839191714

yield_bpm0i07WS_rms vs Slug



Right In: 37.200+/-0.013 χ^2/NDF: 11906908.4/20

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

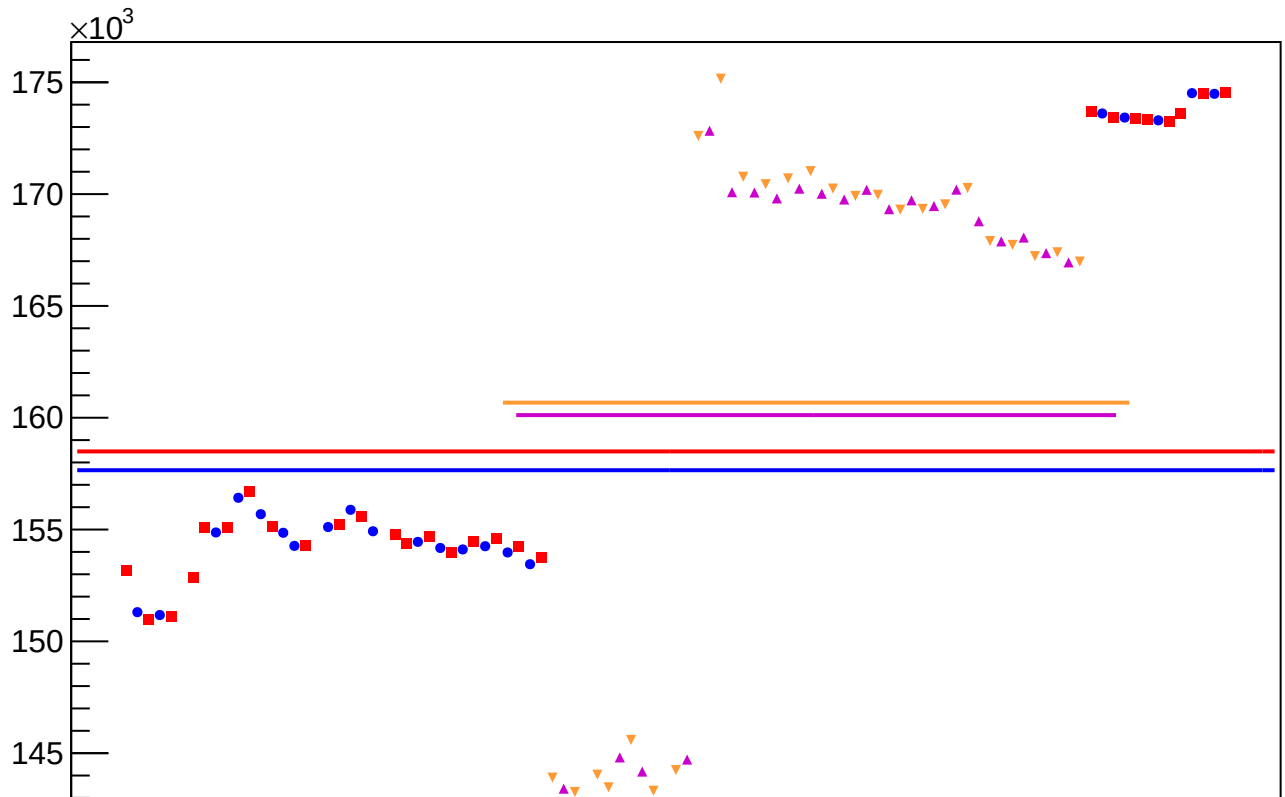
Right Out: 38.011+/-0.012 χ^2/NDF: 13485719.8/26

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 58.737+/-0.012 χ^2/NDF: 35052603.1/45

All: 57.196+/-0.008 χ^2/NDF: 70796597.1/95

- sign 55.832+/-0.011 χ^2/NDF: 35713860.1/49



Right In: 157653.226+/-0.060 χ^2/NDF: 13476483894.6/20

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 158493.366+/-0.055 χ^2/NDF: 19128487972.6/26

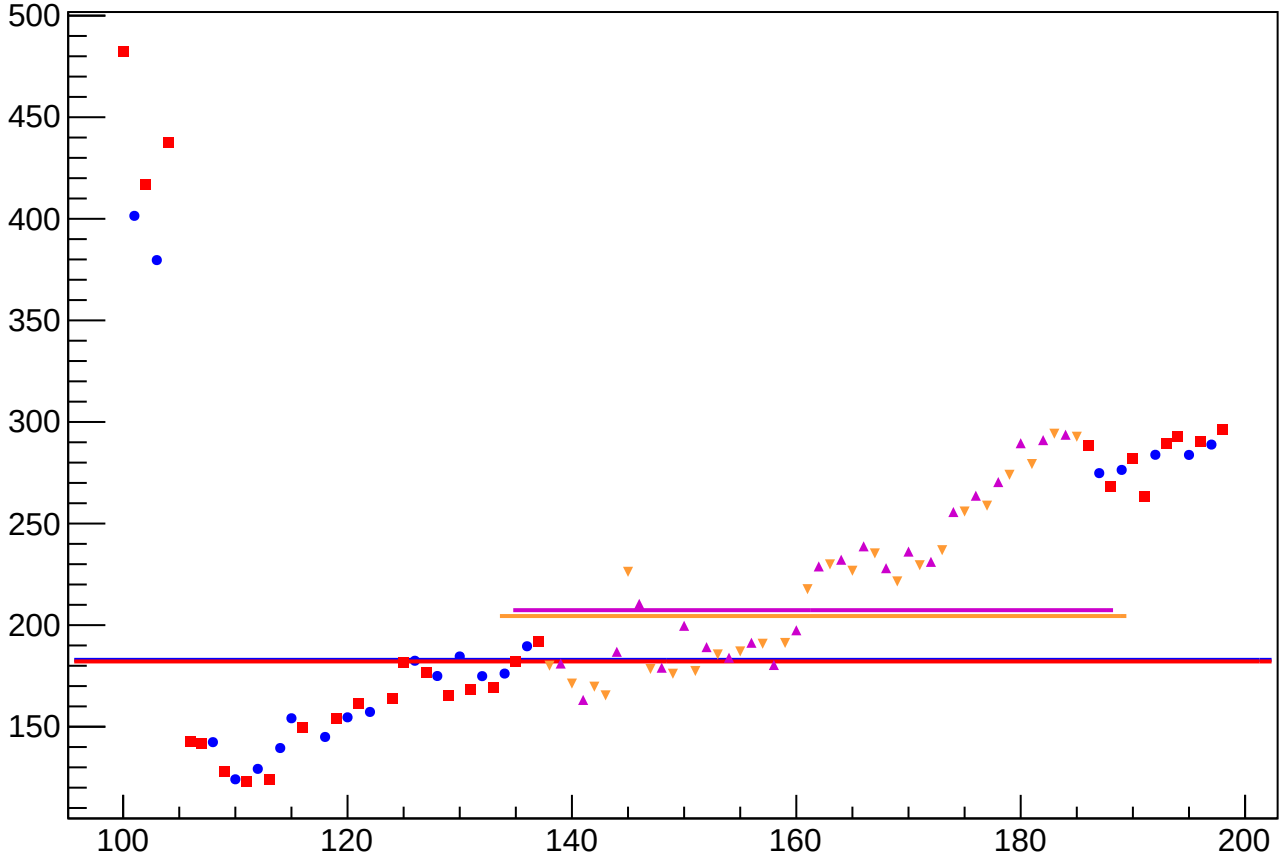
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 159514.726+/-0.037 χ^2/NDF: 89192351362.

All: 159451.125+/-0.026 χ^2/NDF: 17536447

- sign 159389.252+/-0.037 χ^2/NDF: 86166351341.5

yield_bpm1i02WS_rms vs Slug



Right In: 182.914+/-0.042 χ^2/NDF: 2077465.6/20

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

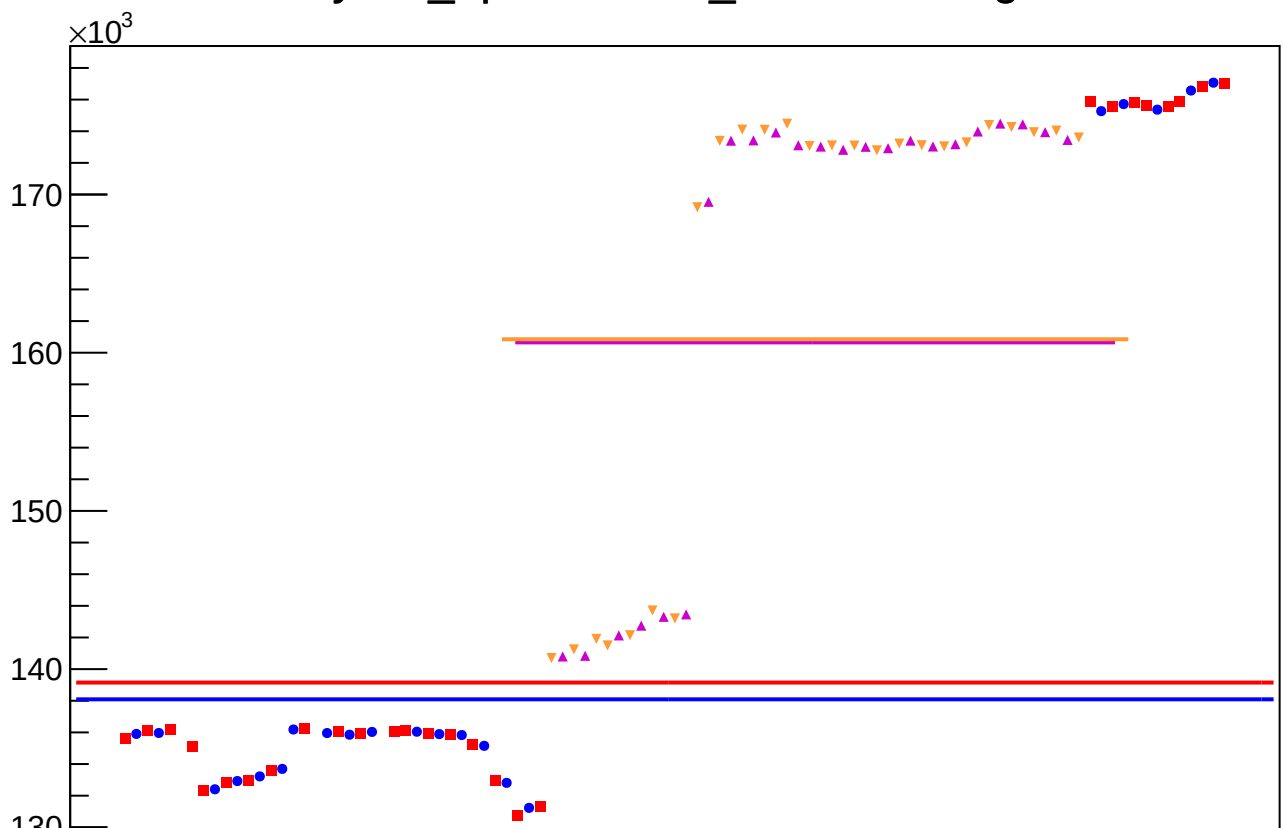
Right Out: 182.126+/-0.039 χ^2/NDF: 2968856.3/26

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 196.198+/-0.026 χ^2/NDF: 3309621.7/45

All: 196.123+/-0.018 χ^2/NDF: 7469303.1/95

- sign 196.050+/-0.026 χ^2/NDF: 4159665.5/49



Right In: 138090.929+/-0.048 χ^2/NDF: 63008910433.2/20

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 139151.107+/-0.045 χ^2/NDF: 91417437621.4/26

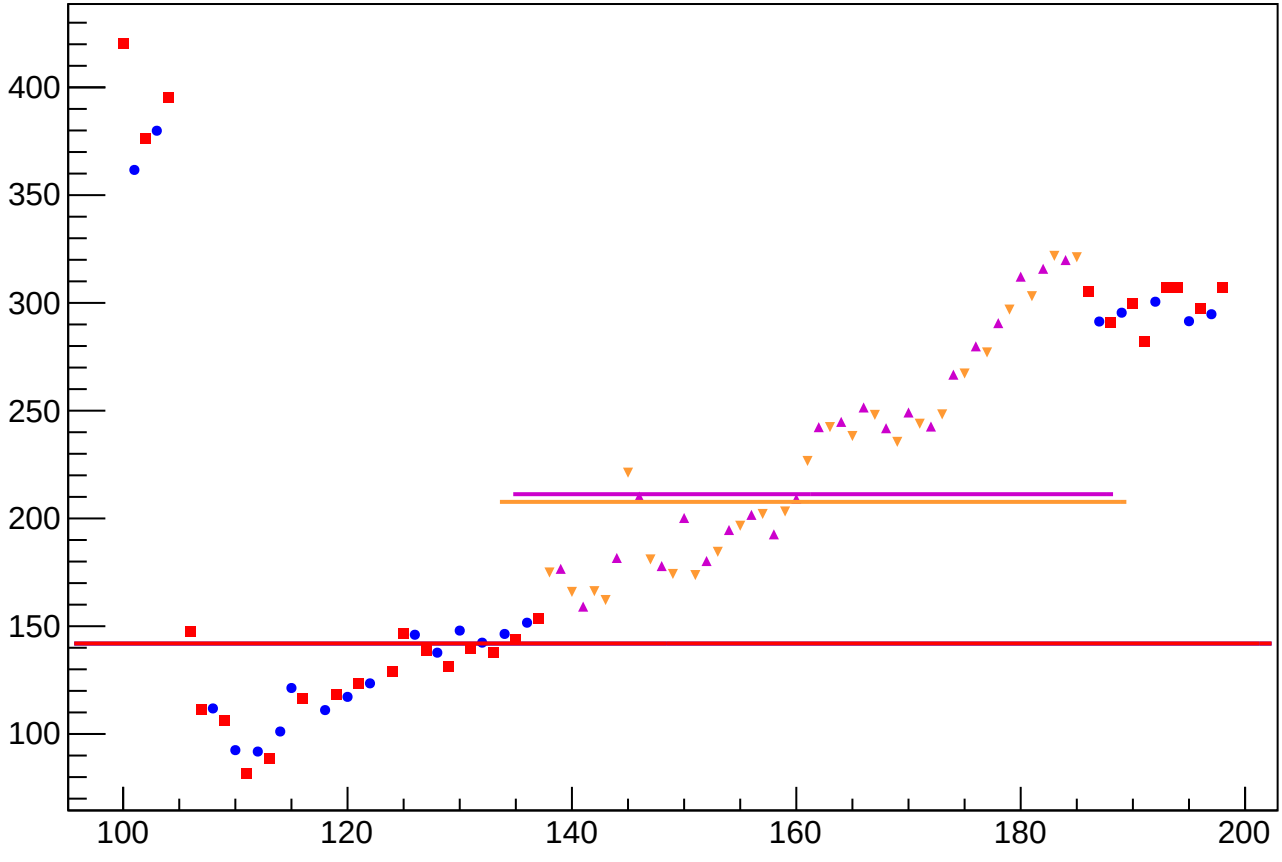
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 149477.055+/-0.034 χ^2/NDF: 27258661925

All: 149059.698+/-0.024 χ^2/NDF: 55517672

- sign 148656.985+/-0.034 χ^2/NDF: 28229840147

yield_bpm1i04WS_rms vs Slug



Right In: 141.933+/-0.034 χ^2/NDF: 3489566.4/20

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

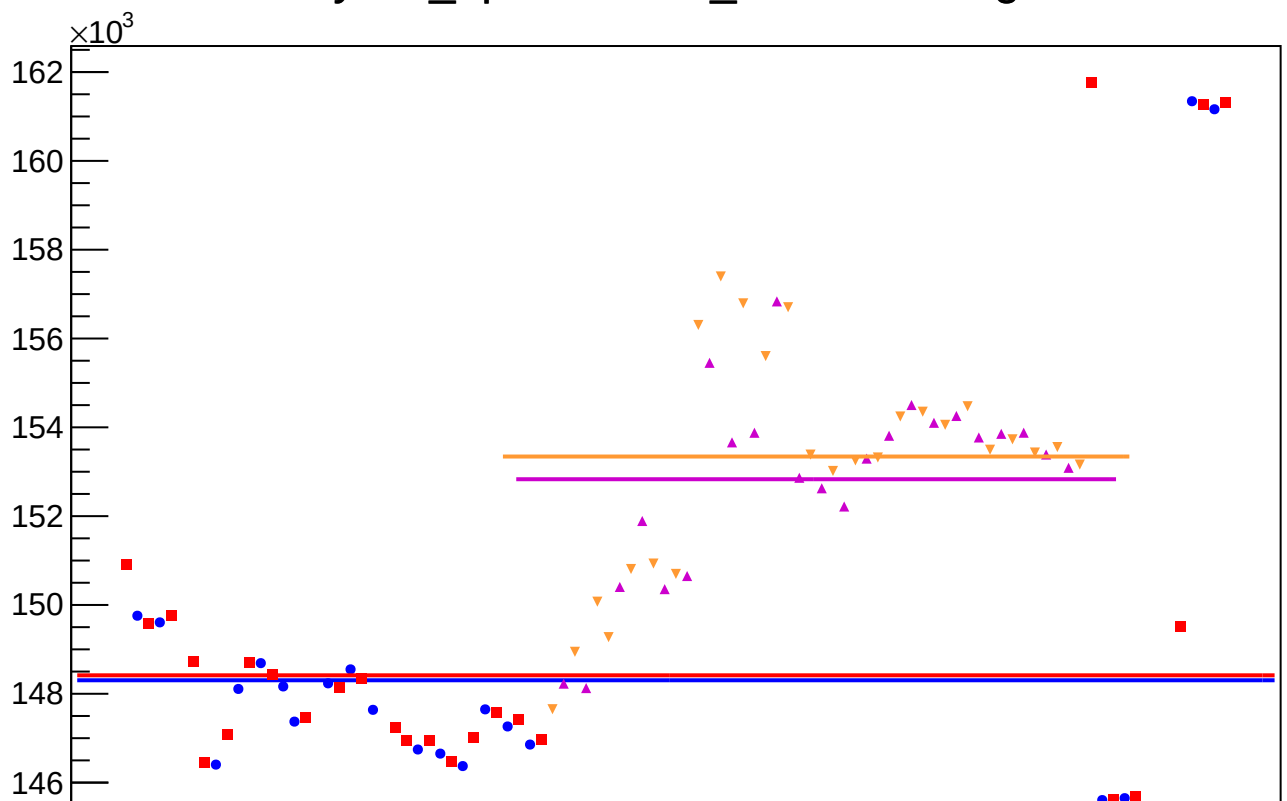
Right Out: 142.002+/-0.032 χ^2/NDF: 4965114.0/26

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 174.829+/-0.024 χ^2/NDF: 6832814.1/45

All: 173.703+/-0.017 χ^2/NDF: 15197526.5/95

- sign 172.616+/-0.024 χ^2/NDF: 8360465.8/49



Right In: 148304.077+/-0.058 χ^2/NDF: 3762143407.0/20

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 148415.750+/-0.053 χ^2/NDF: 4300737464.3/26

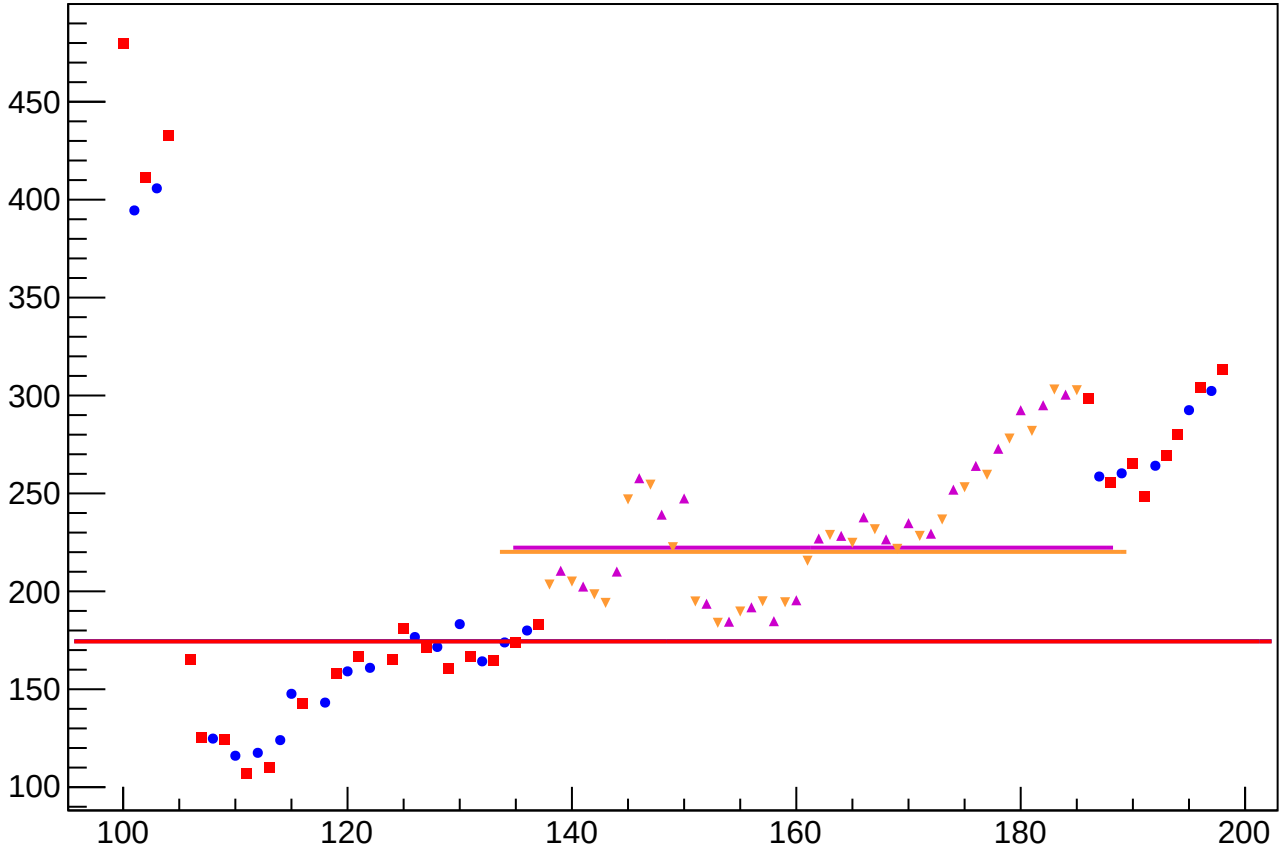
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151144.149+/-0.038 χ^2/NDF: 1103275971

All: 150884.298+/-0.027 χ^2/NDF: 2081929

- sign 150634.113+/-0.037 χ^2/NDF: 9695427573.2/

yield_bpm1i06WS_rms vs Slug



Right In: 174.528+/-0.041 χ^2/NDF: 2382202.1/20

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

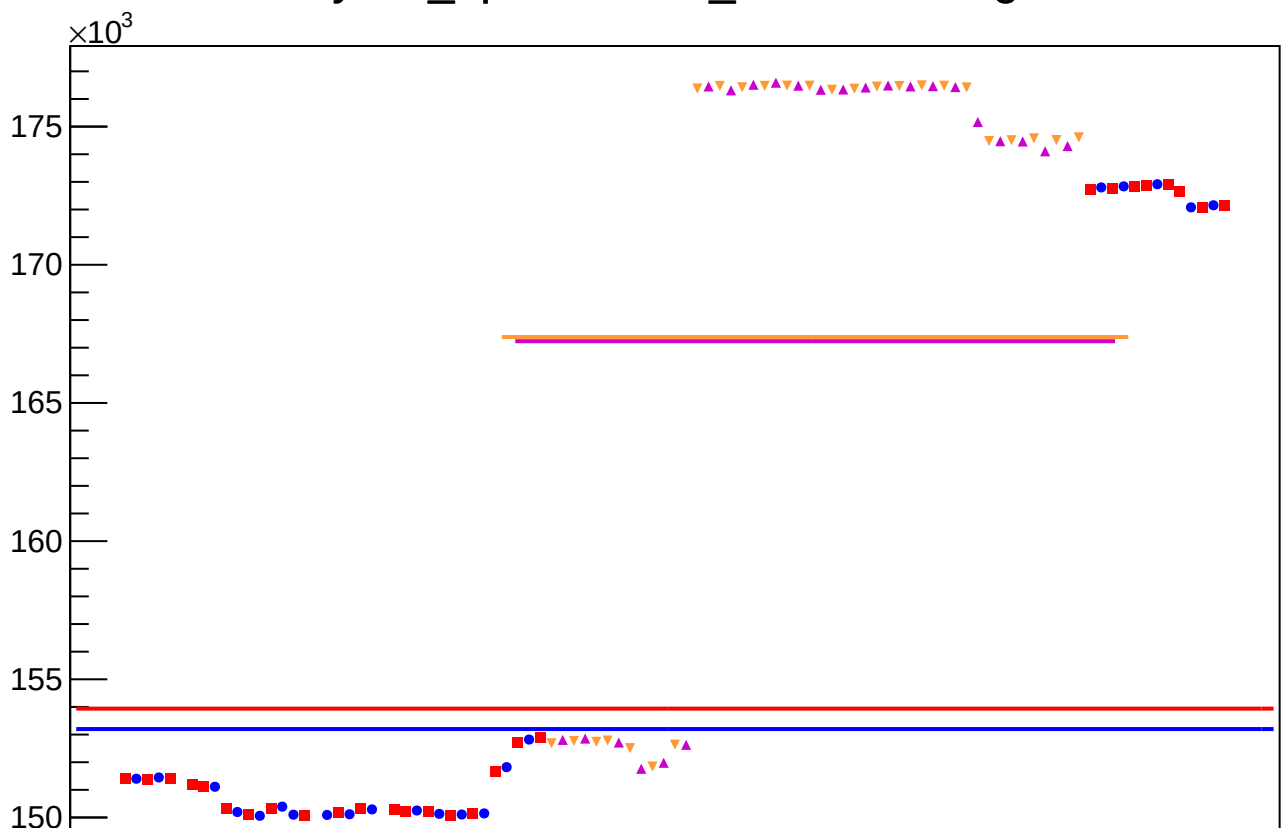
Right Out: 174.408+/-0.038 χ^2/NDF: 3326549.5/26

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 200.248+/-0.027 χ^2/NDF: 3771754.9/45

All: 199.342+/-0.019 χ^2/NDF: 8617078.8/95

- sign 198.470+/-0.026 χ^2/NDF: 4843110.8/49



Right In: 153200.291+/-0.051 χ^2/NDF: 19591718476.5/20

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153939.722+/-0.047 χ^2/NDF: 28815610128.8/26

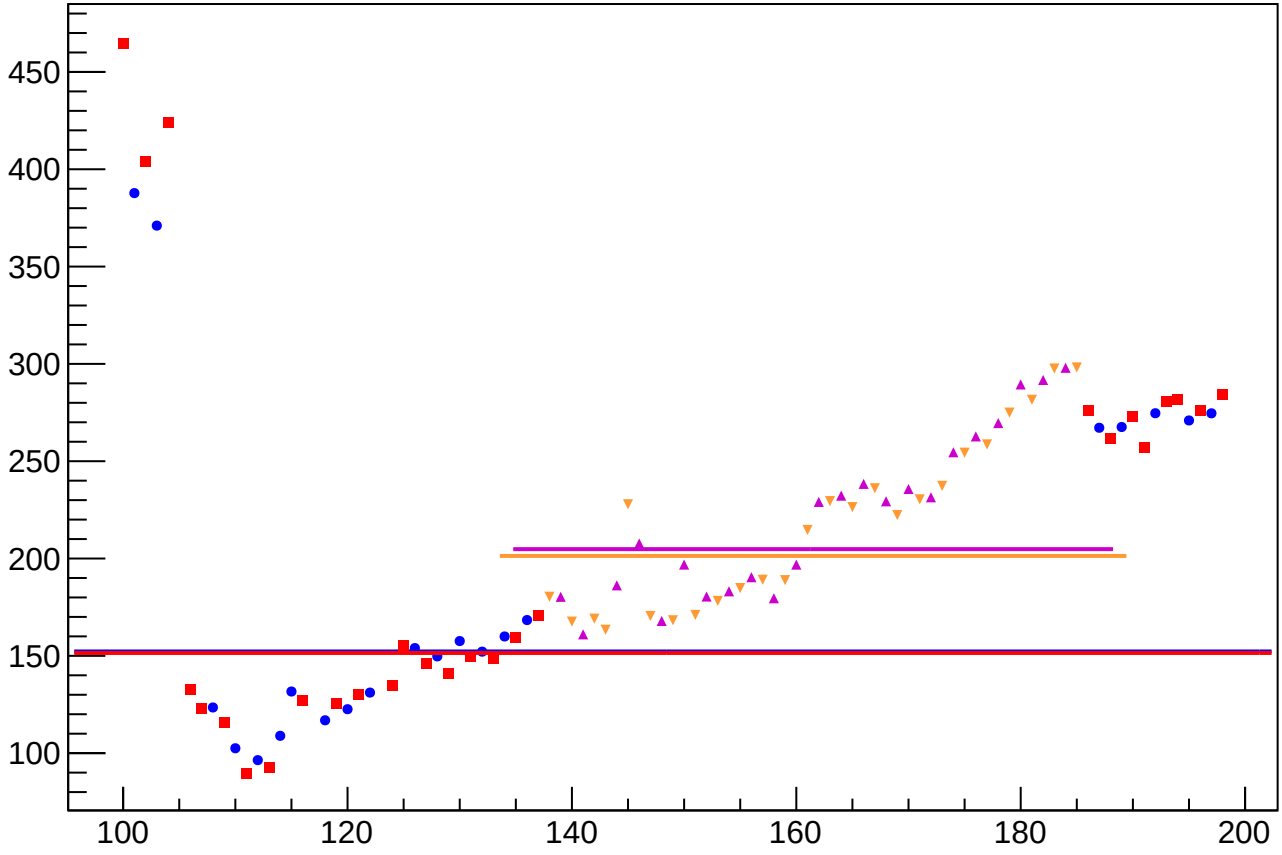
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160942.571+/-0.035 χ^2/NDF: 121042800037

All: 160622.320+/-0.024 χ^2/NDF: 243644252

- sign 160314.631+/-0.034 χ^2/NDF: 122432744051

yield_bpm2i01WS_rms vs Slug



Right In: 152.246+/-0.036 χ^2/NDF: 2910736.5/20

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

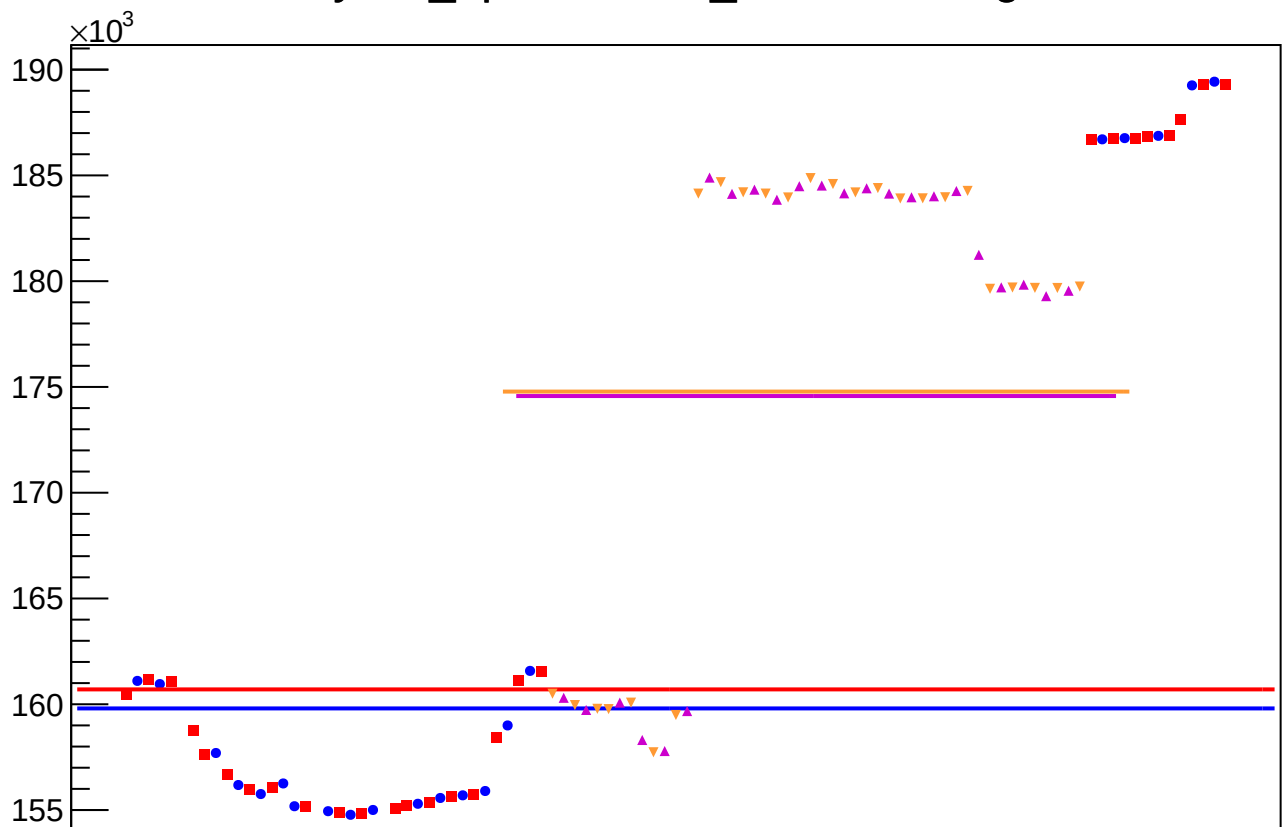
Right Out: 151.481+/-0.033 χ^2/NDF: 4130271.7/26

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 179.035+/-0.024 χ^2/NDF: 5143443.2/45

All: 178.028+/-0.017 χ^2/NDF: 11570486.3/95

- sign 177.061+/-0.024 χ^2/NDF: 6423707.0/49



Right In: 159802.925+/-0.054 χ^2/NDF: 33898612159.6/20

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 160702.539+/-0.049 χ^2/NDF: 48089899585.4/26

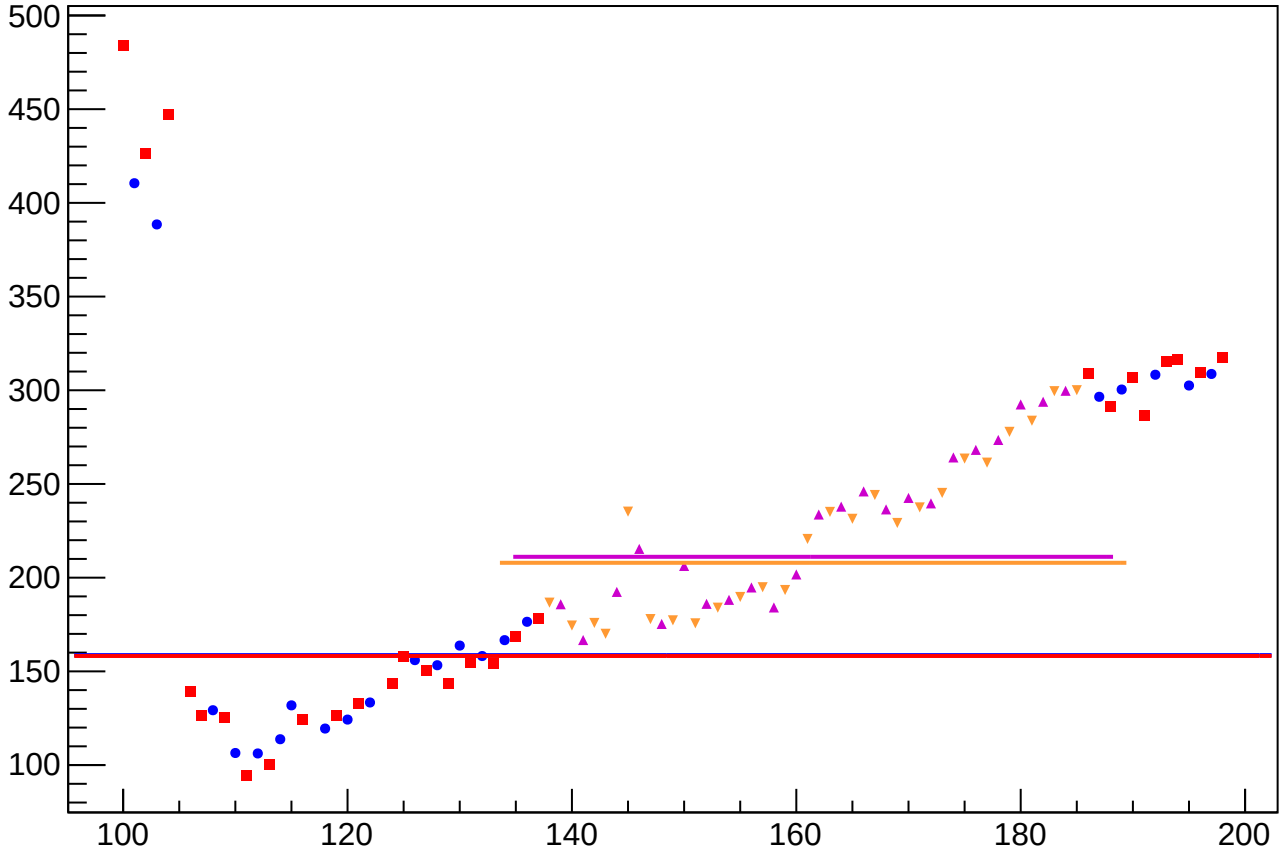
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 168102.831+/-0.036 χ^2/NDF: 135072206637

All: 167798.171+/-0.025 χ^2/NDF: 27673526

- sign 167504.170+/-0.035 χ^2/NDF: 141521419060

yield_bpm2i02WS_rms vs Slug



Right In: 158.667+/-0.038 χ^2/NDF: 3135008.4/20

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 158.212+/-0.035 χ^2/NDF: 4463408.3/26

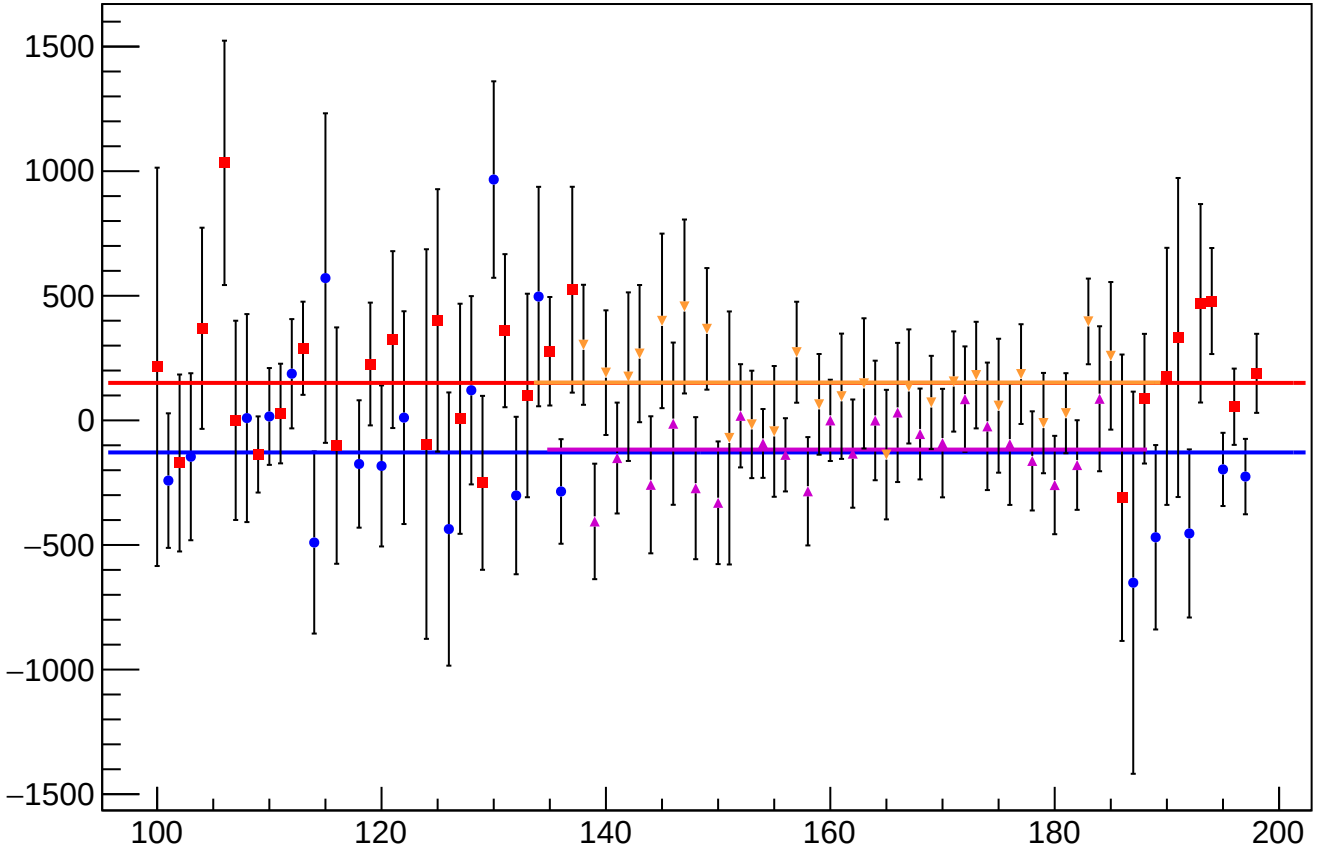
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 185.972+/-0.025 χ^2/NDF: 5198723.7/45

All: 185.054+/-0.018 χ^2/NDF: 11784860.8/95

- sign 184.169+/-0.025 χ^2/NDF: 6583568.1/49

asym_bcm_target_mean vs Slug



Right In: -128.662+/-59.944 χ^2/NDF: 19.4/20

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 150.377+/-53.612 χ^2/NDF: 17.2/26

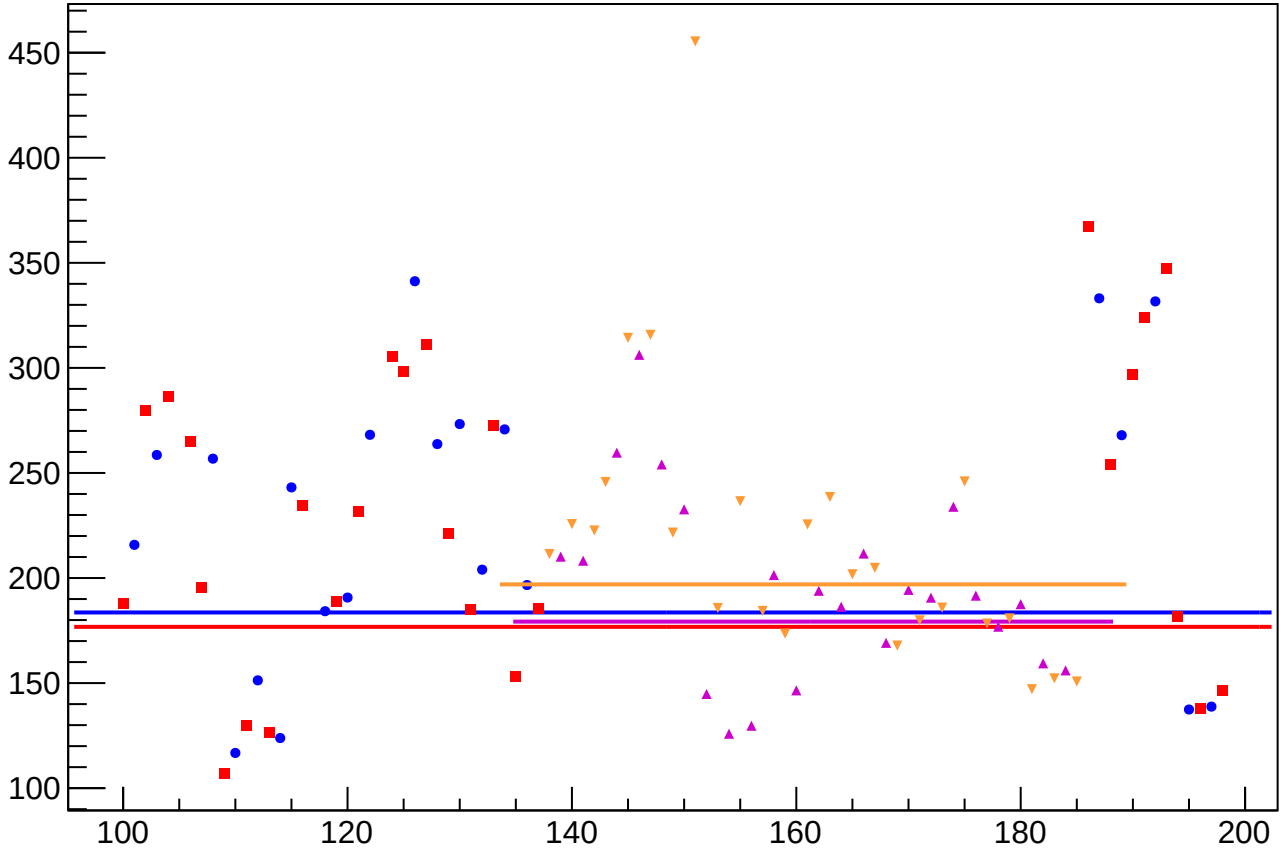
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 46.539+/-36.701 χ^2/NDF: 42.7/45

All: 15.964+/-24.906 χ^2/NDF: 83.6/95

- sign -10.136+/-33.909 χ^2/NDF: 39.6/49

asym_bcm_target_rms vs Slug



Right In: 183.616+/-0.042 χ^2/NDF: 2010973.9/20

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 176.762+/-0.038 χ^2/NDF: 2818980.9/26

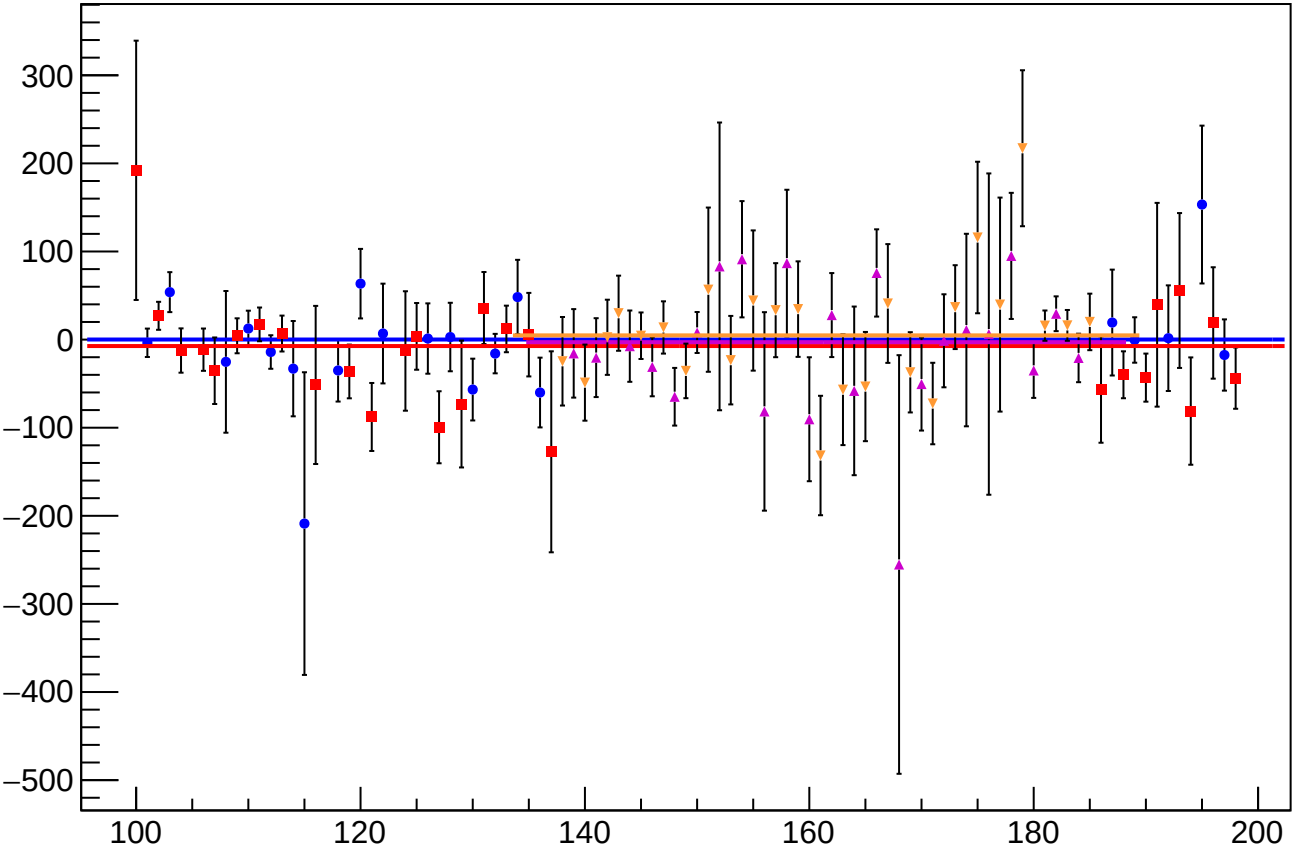
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 191.968+/-0.026 χ^2/NDF: 3882375.6/45

All: 184.572+/-0.018 χ^2/NDF: 8510526.3/95

- sign 178.258+/-0.024 χ^2/NDF: 4477601.6/49

asym_bcm_an_diff_mean vs Slug



Right In: 0.092+/-6.843 χ^2/NDF: 22.1/20

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -7.323+/-6.153 χ^2/NDF: 31.3/26

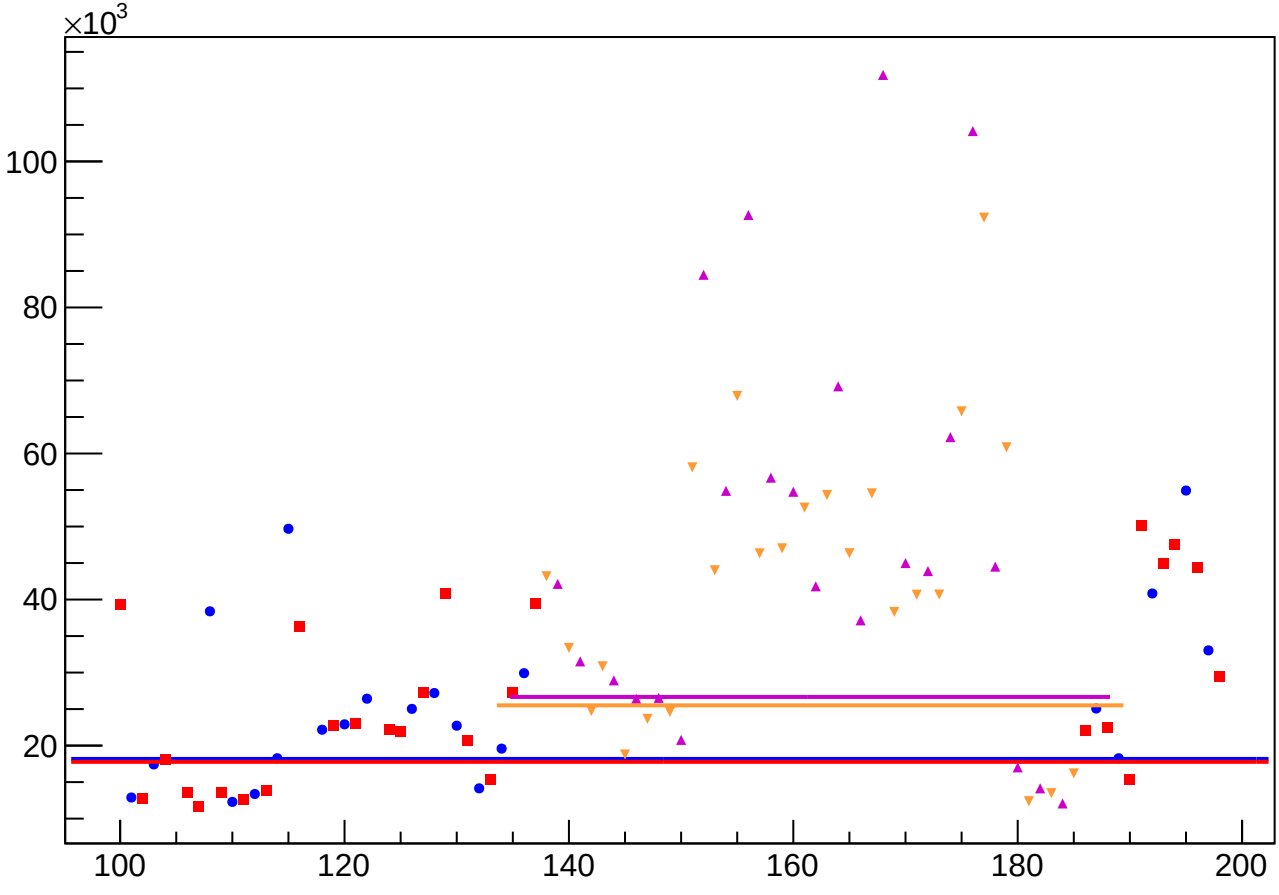
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.201+/-5.086 χ^2/NDF: 46.7/45

All: -1.871+/-3.583 χ^2/NDF: 100.8/95

- sign -5.885+/-5.050 χ^2/NDF: 52.9/49

asym_bcm_an_diff_rms vs Slug



Right In: 18173.637+/-4.839 χ^2/NDF: 2165762.1/20

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 17774.809+/-4.351 χ^2/NDF: 2856366.9/26

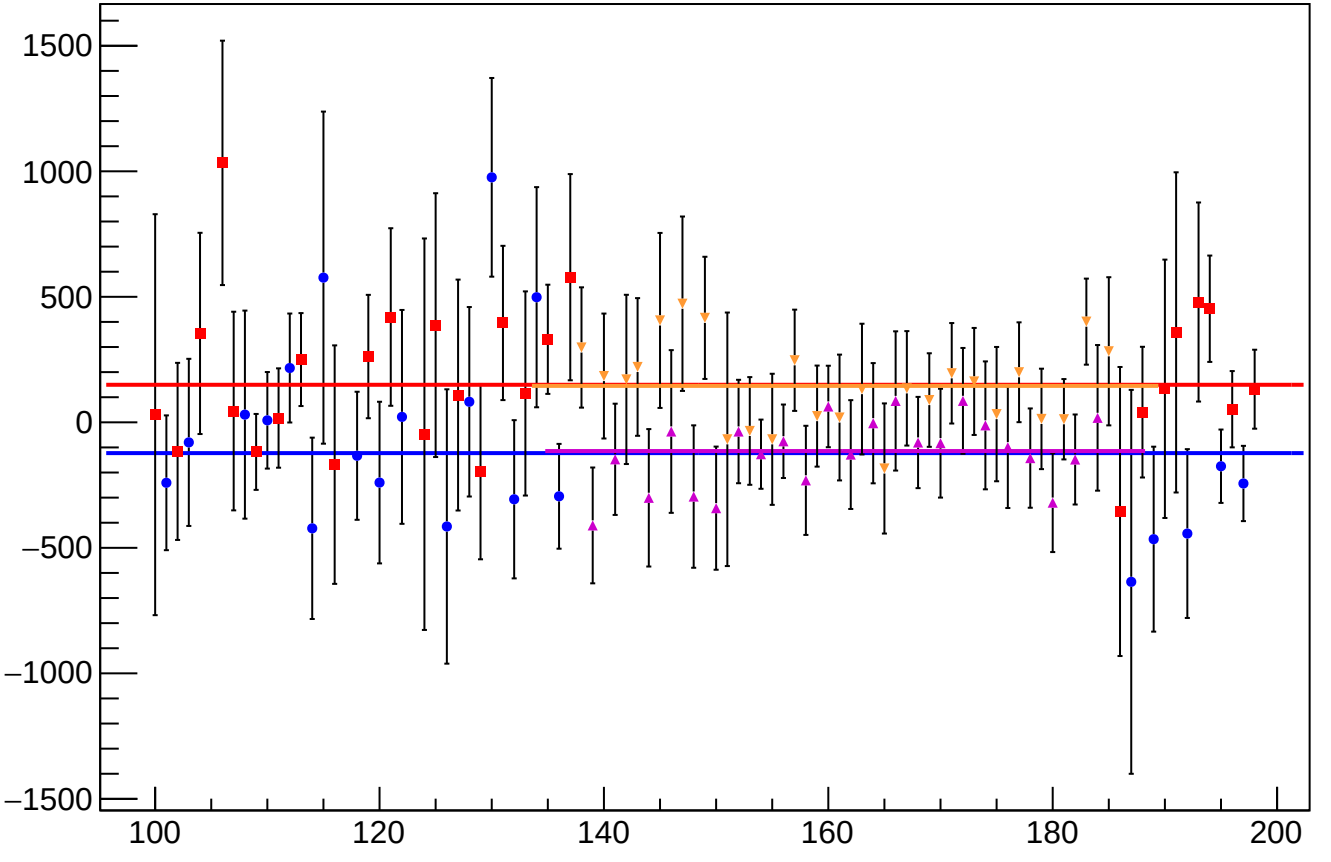
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21458.990+/-3.596 χ^2/NDF: 10938182.4/45

All: 21064.025+/-2.534 χ^2/NDF: 21063042.3

- sign 20674.577+/-3.571 χ^2/NDF: 10100902.4/49

asym_bcm_an_ds_mean vs Slug



Right In: -122.637+/-59.585 χ^2/NDF: 19.6/20

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 149.572+/-53.290 χ^2/NDF: 17.2/26

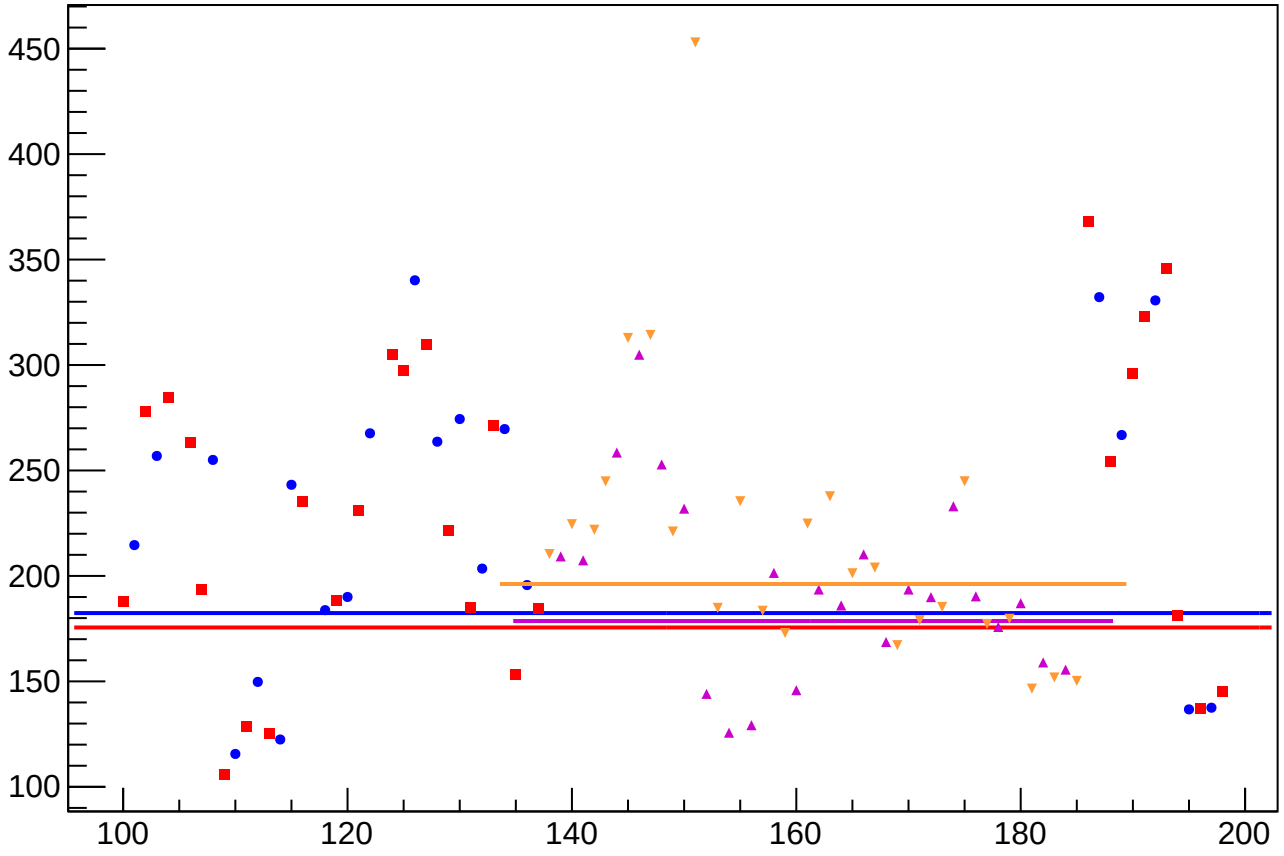
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 44.550+/-36.523 χ^2/NDF: 43.4/45

All: 15.940+/-24.789 χ^2/NDF: 84.9/95

- sign -8.496+/-33.754 χ^2/NDF: 40.3/49

asym_bcm_an_ds_rms vs Slug



Right In: 182.386+/-0.042 χ^2/NDF: 2038694.3/20

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 175.555+/-0.038 χ^2/NDF: 2856874.2/26

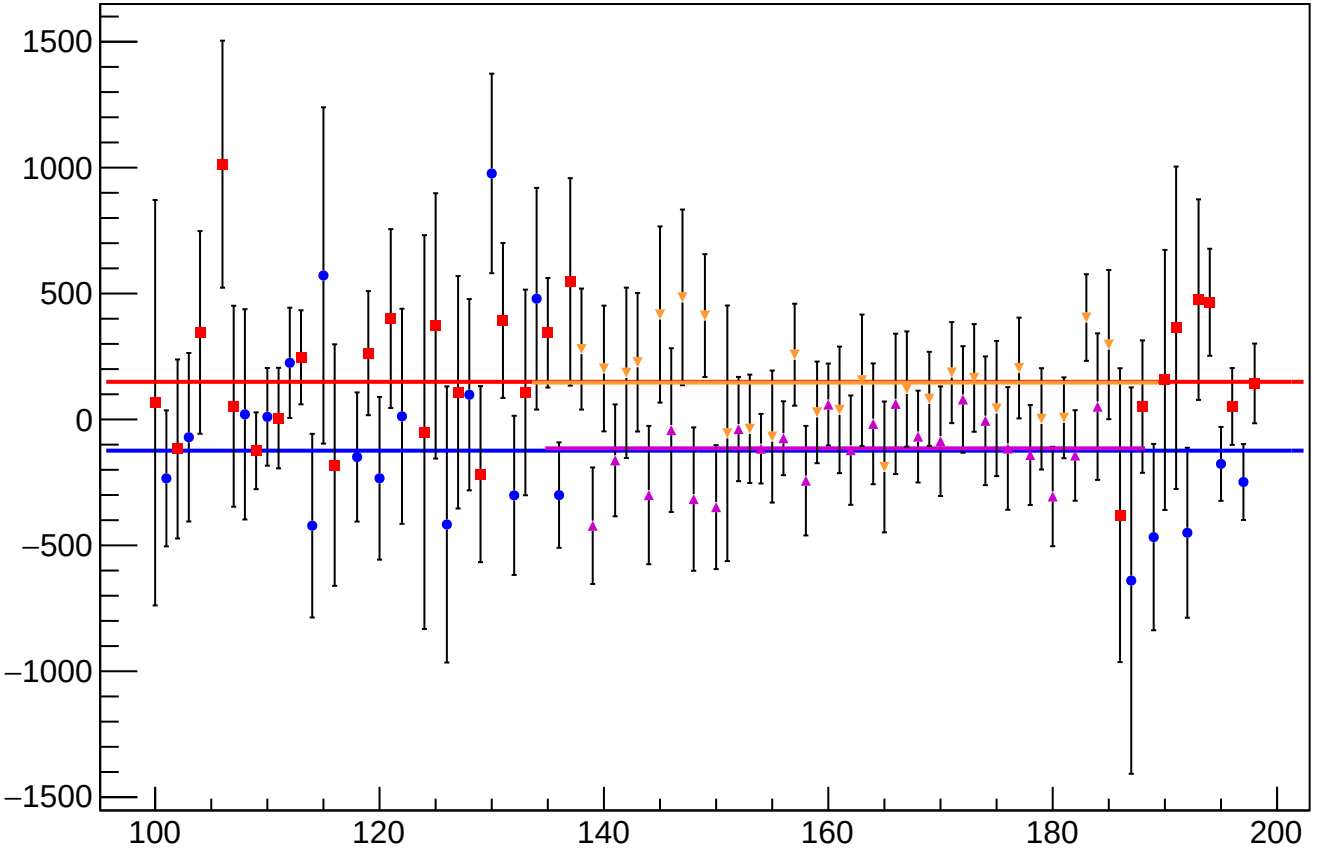
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 190.988+/-0.026 χ^2/NDF: 3912341.0/45

All: 183.654+/-0.018 χ^2/NDF: 8574567.5/95

- sign 177.391+/-0.024 χ^2/NDF: 4512712.6/49

asym_bcm_an_ds3_mean vs Slug



Right In: -123.899+/-59.890 χ^2/NDF: 19.6/20

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 149.445+/-53.579 χ^2/NDF: 17.3/26

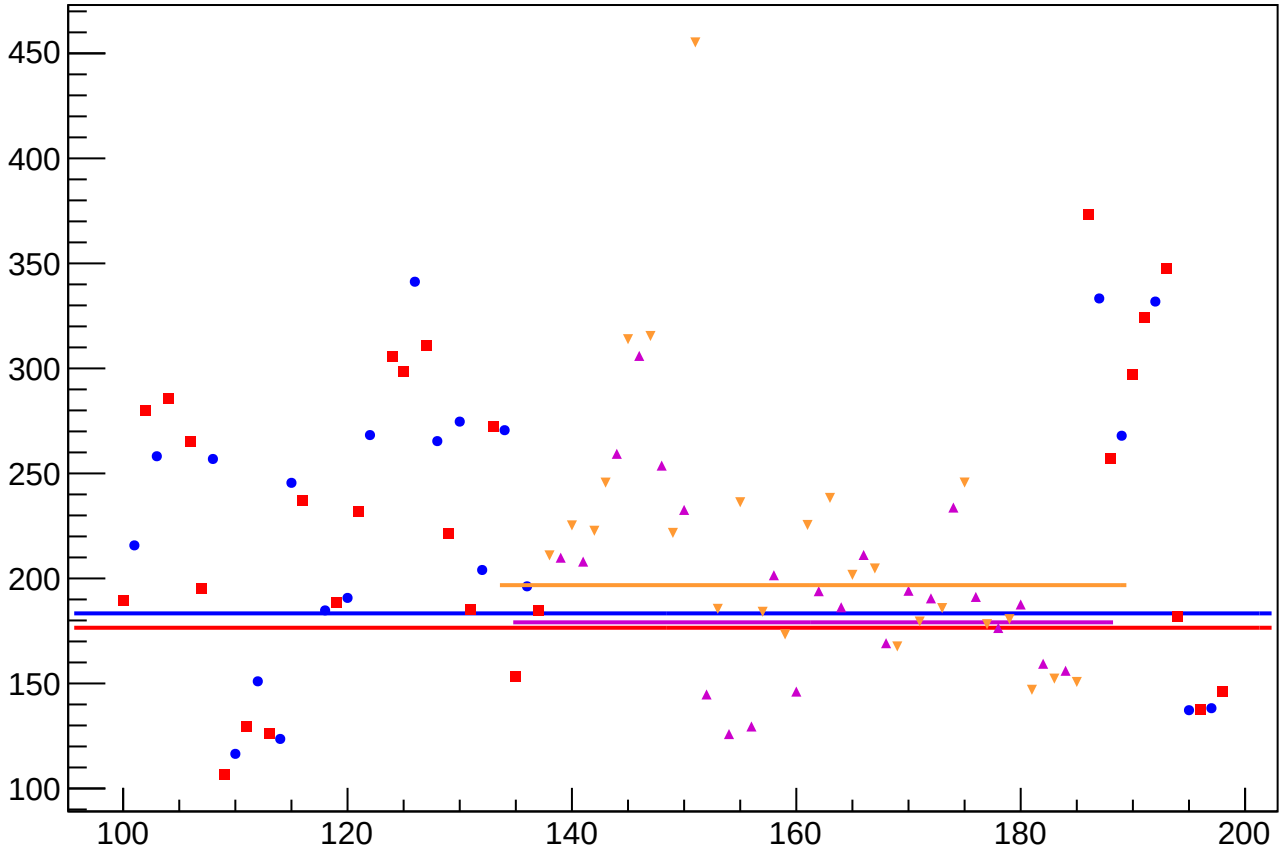
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 45.080+/-36.669 χ^2/NDF: 43.8/45

All: 15.840+/-24.886 χ^2/NDF: 85.2/95

- sign -9.126+/-33.883 χ^2/NDF: 40.3/49

asym_bcm_an_ds3_rms vs Slug



Right In: 183.365+/-0.042 χ^2/NDF: 2028689.0/20

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 176.523+/-0.038 χ^2/NDF: 2852127.0/26

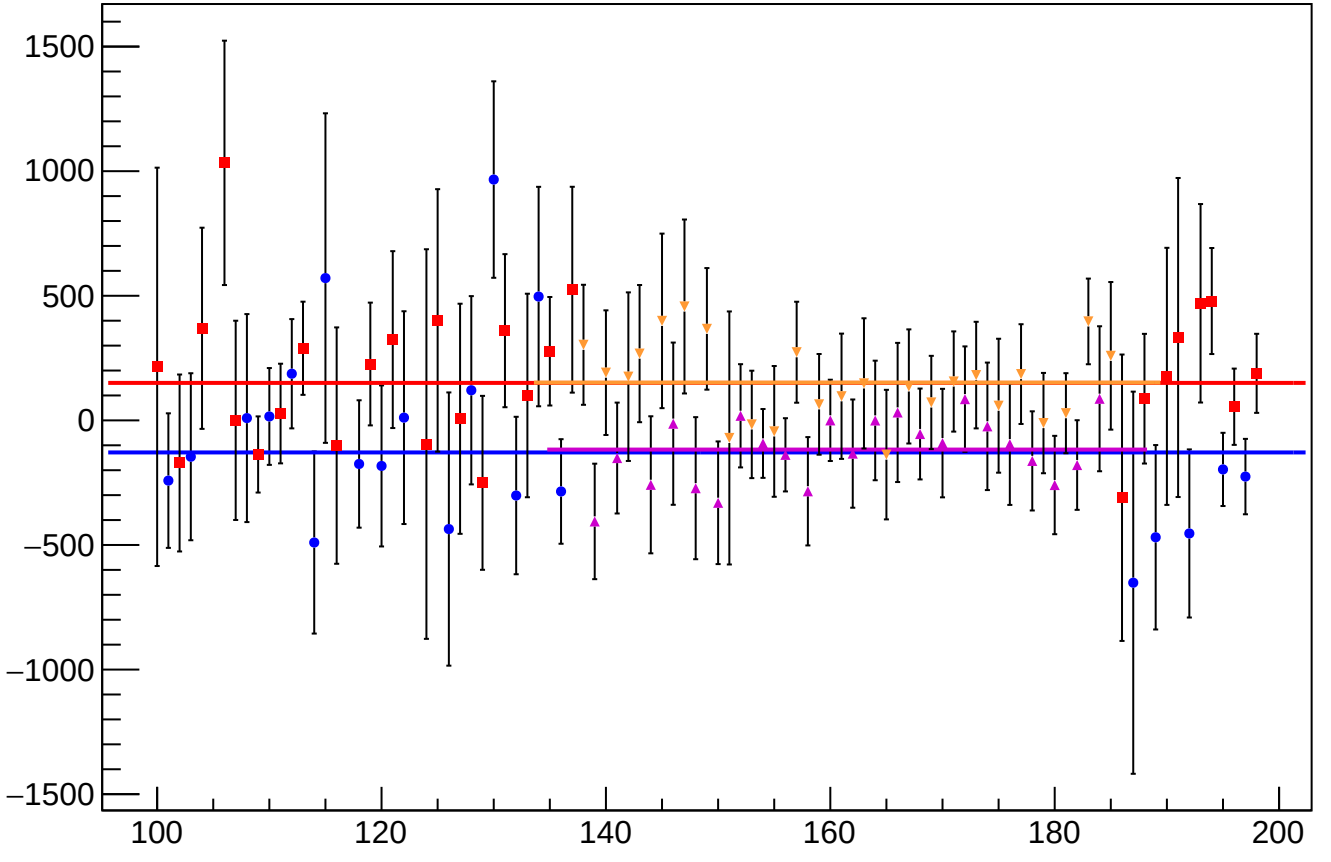
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 191.767+/-0.026 χ^2/NDF: 3900264.3/45

All: 184.378+/-0.018 χ^2/NDF: 8561561.9/95

- sign 178.070+/-0.024 χ^2/NDF: 4510771.7/49

asym_bcm_an_us_mean vs Slug



Right In: -128.662+/-59.944 χ^2/NDF: 19.4/20

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 150.377+/-53.612 χ^2/NDF: 17.2/26

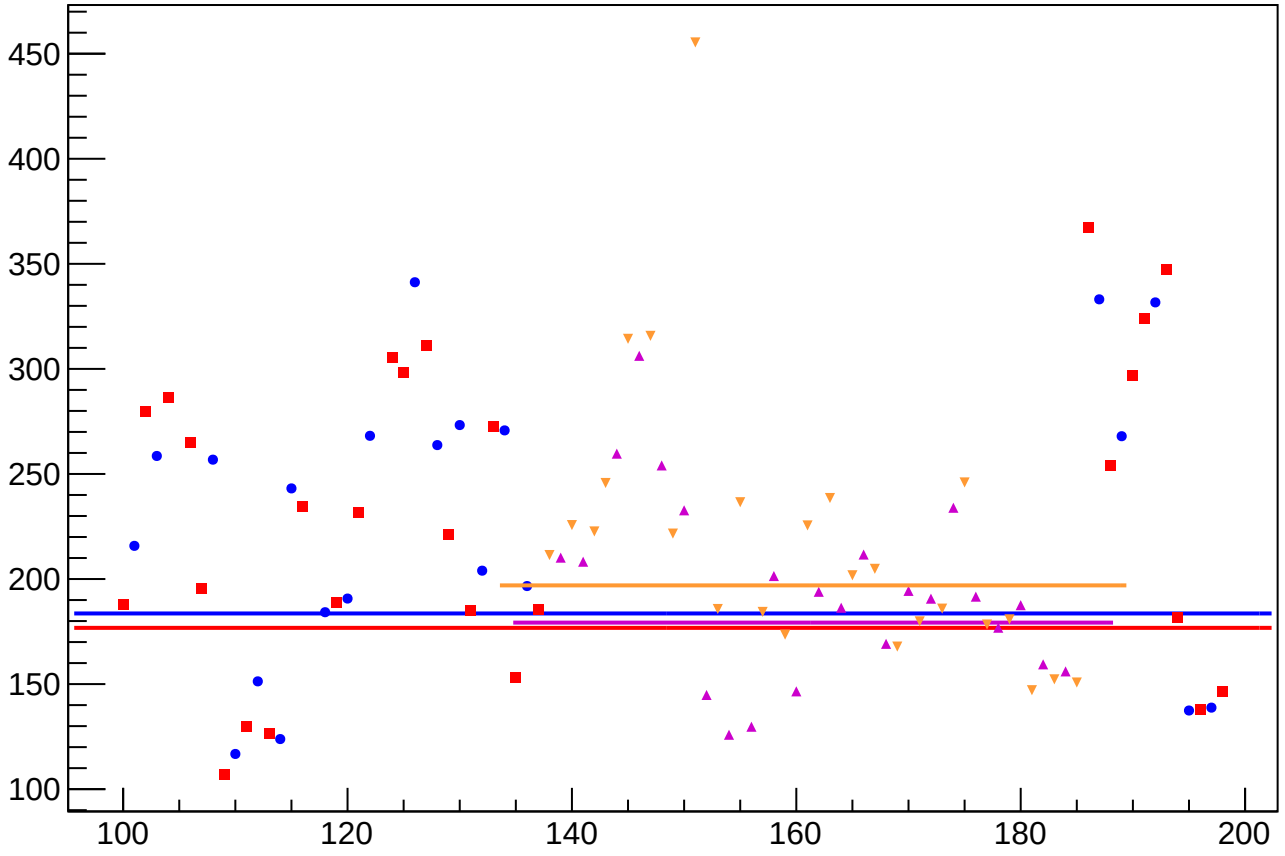
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 46.539+/-36.701 χ^2/NDF: 42.7/45

All: 15.964+/-24.906 χ^2/NDF: 83.6/95

- sign -10.136+/-33.909 χ^2/NDF: 39.6/49

asym_bcm_an_us_rms vs Slug



Right In: 183.616+/-0.042 χ^2/NDF: 2010973.9/20

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 176.762+/-0.038 χ^2/NDF: 2818980.9/26

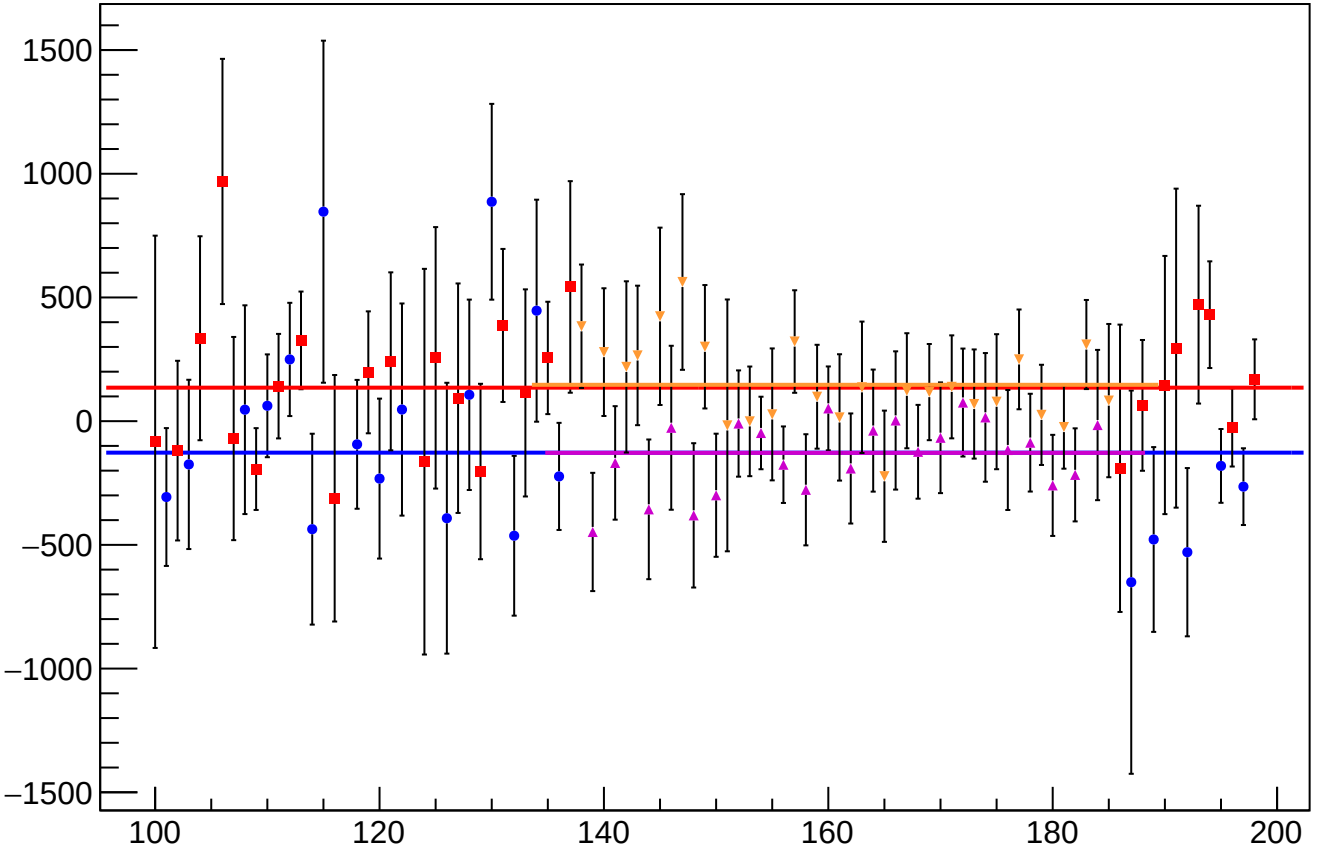
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 191.968+/-0.026 χ^2/NDF: 3882375.6/45

All: 184.572+/-0.018 χ^2/NDF: 8510526.3/95

- sign 178.258+/-0.024 χ^2/NDF: 4477601.6/49

asym_bcm_dg_us_mean vs Slug



Right In: -127.273+/-61.514 χ^2/NDF: 20.8/20

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 135.405+/-55.372 χ^2/NDF: 16.8/26

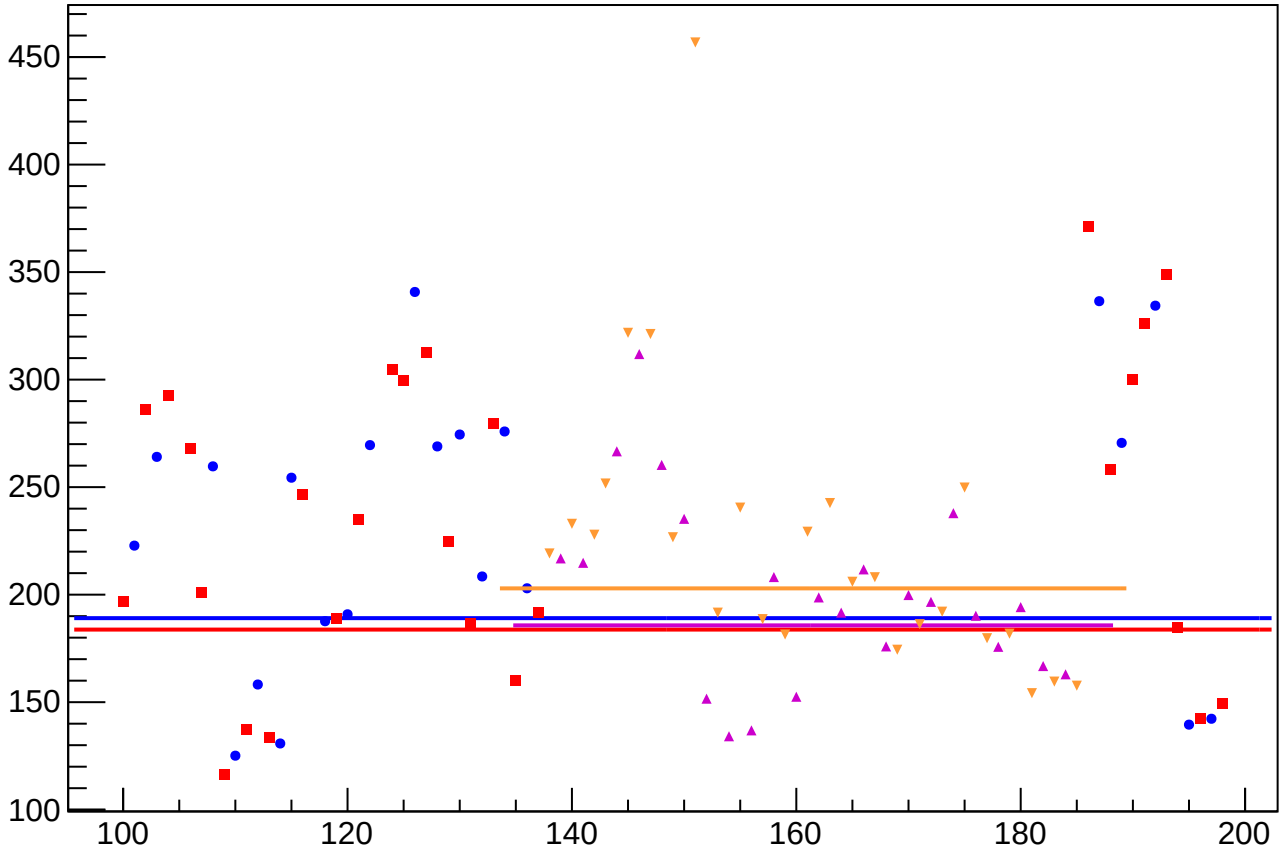
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 43.969+/-37.699 χ^2/NDF: 43.4/45

All: 8.143+/-25.656 χ^2/NDF: 84.0/95

- sign -22.763+/-35.015 χ^2/NDF: 39.0/49

asym_bcm_dg_us_rms vs Slug



Right In: 189.077+/-0.043 χ^2/NDF: 1899989.2/20

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 183.759+/-0.039 χ^2/NDF: 2576520.9/26

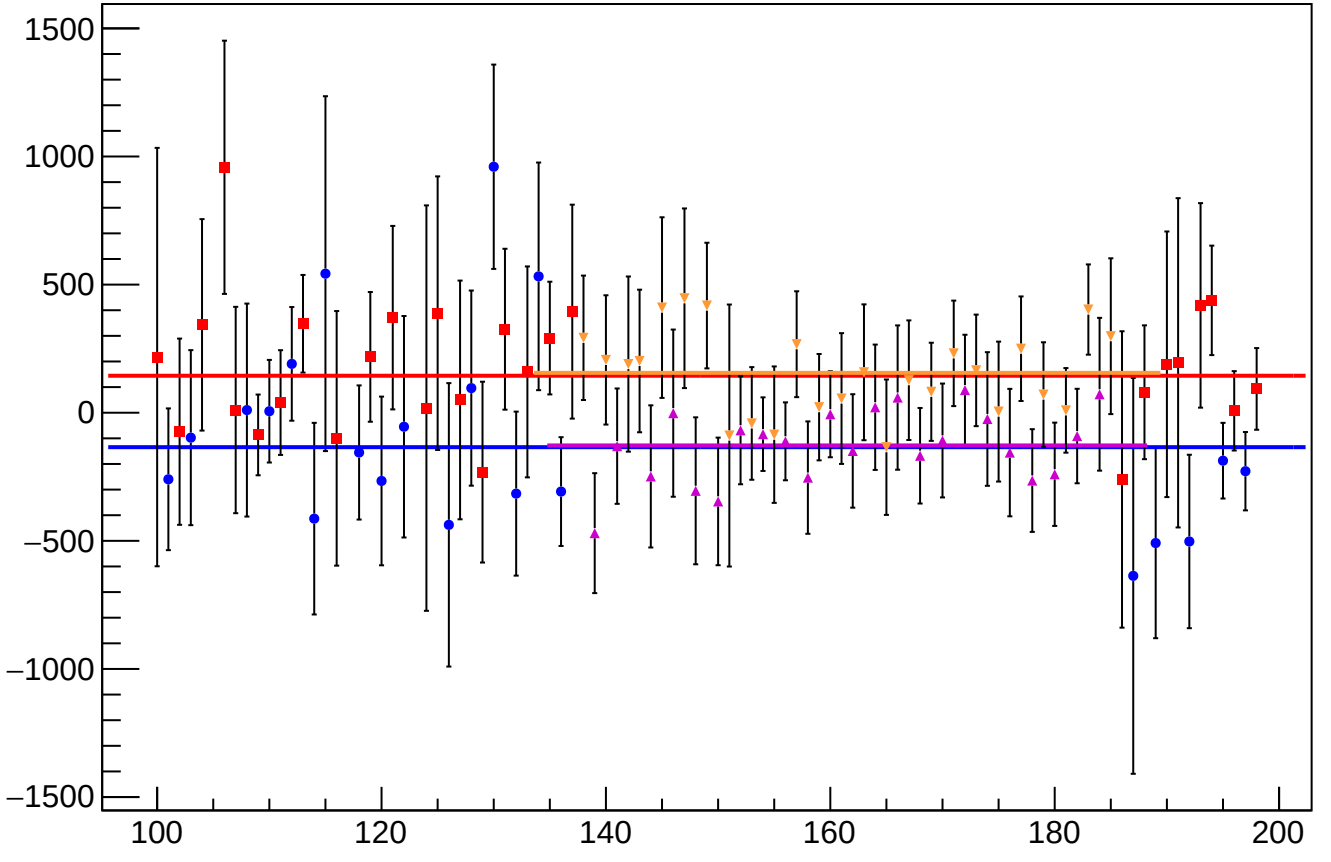
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 197.721+/-0.027 χ^2/NDF: 3663344.4/45

All: 190.856+/-0.018 χ^2/NDF: 7854395.2/95

- sign 184.933+/-0.025 χ^2/NDF: 4067507.5/49

asym_bcm_dg_ds_mean vs Slug



Right In: -134.447+/-60.757 χ^2/NDF: 19.3/20

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 144.370+/-54.417 χ^2/NDF: 14.1/26

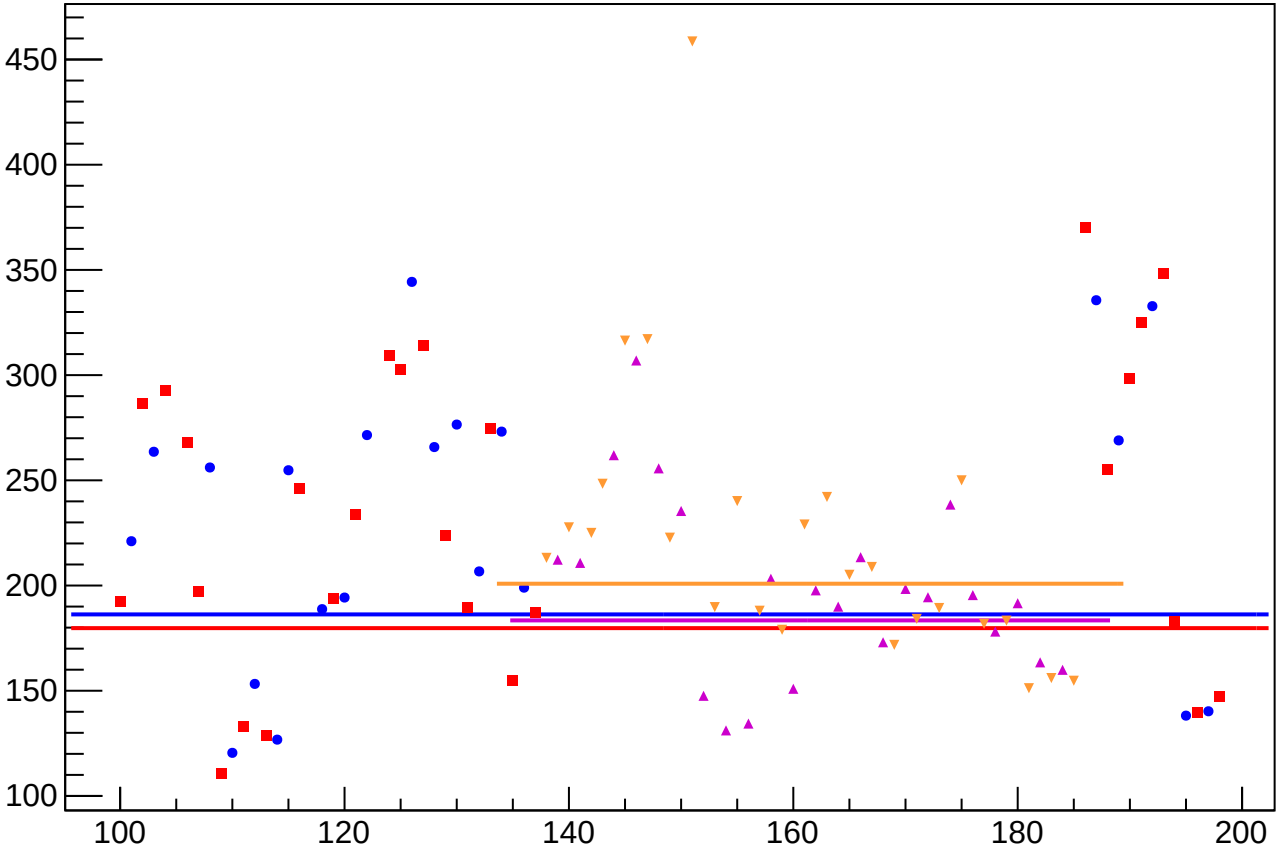
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 46.281+/-37.305 χ^2/NDF: 44.1/45

All: 11.635+/-25.345 χ^2/NDF: 82.7/95

- sign -18.064+/-34.540 χ^2/NDF: 37.0/49

asym_bcm_dg_ds_rms vs Slug



Right In: 186.280+/-0.043 χ^2/NDF: 1987375.9/20

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 179.753+/-0.038 χ^2/NDF: 2763319.8/26

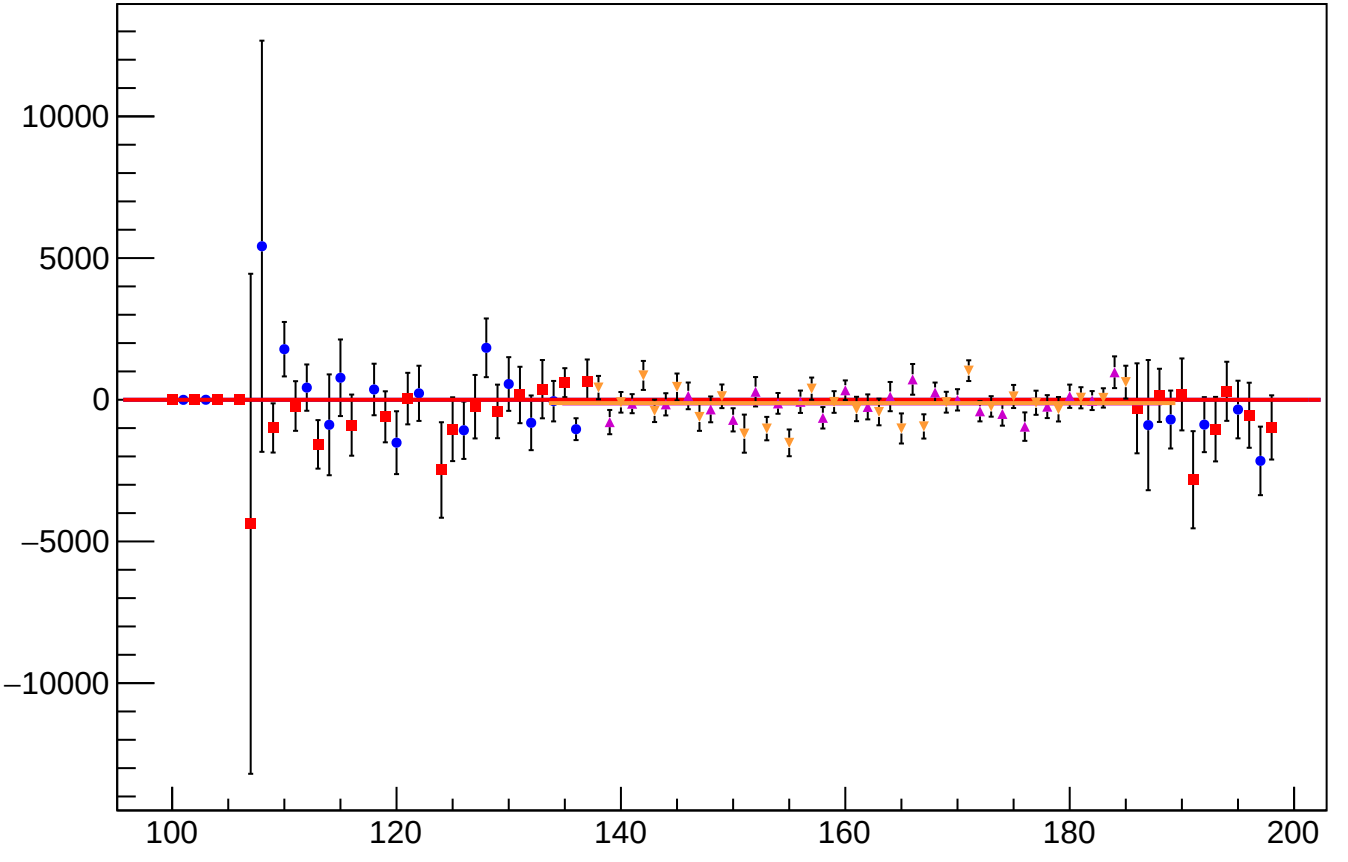
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 195.366+/-0.026 χ^2/NDF: 3786583.5/45

All: 188.143+/-0.018 χ^2/NDF: 8225303.7/95

- sign 181.951+/-0.024 χ^2/NDF: 4299459.9/49

asym_cav4bQ_mean vs Slug



Right In: -1.256+/-2.171 χ^2/NDF: 24.6/20

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.388+/-2.022 χ^2/NDF: 21.5/26

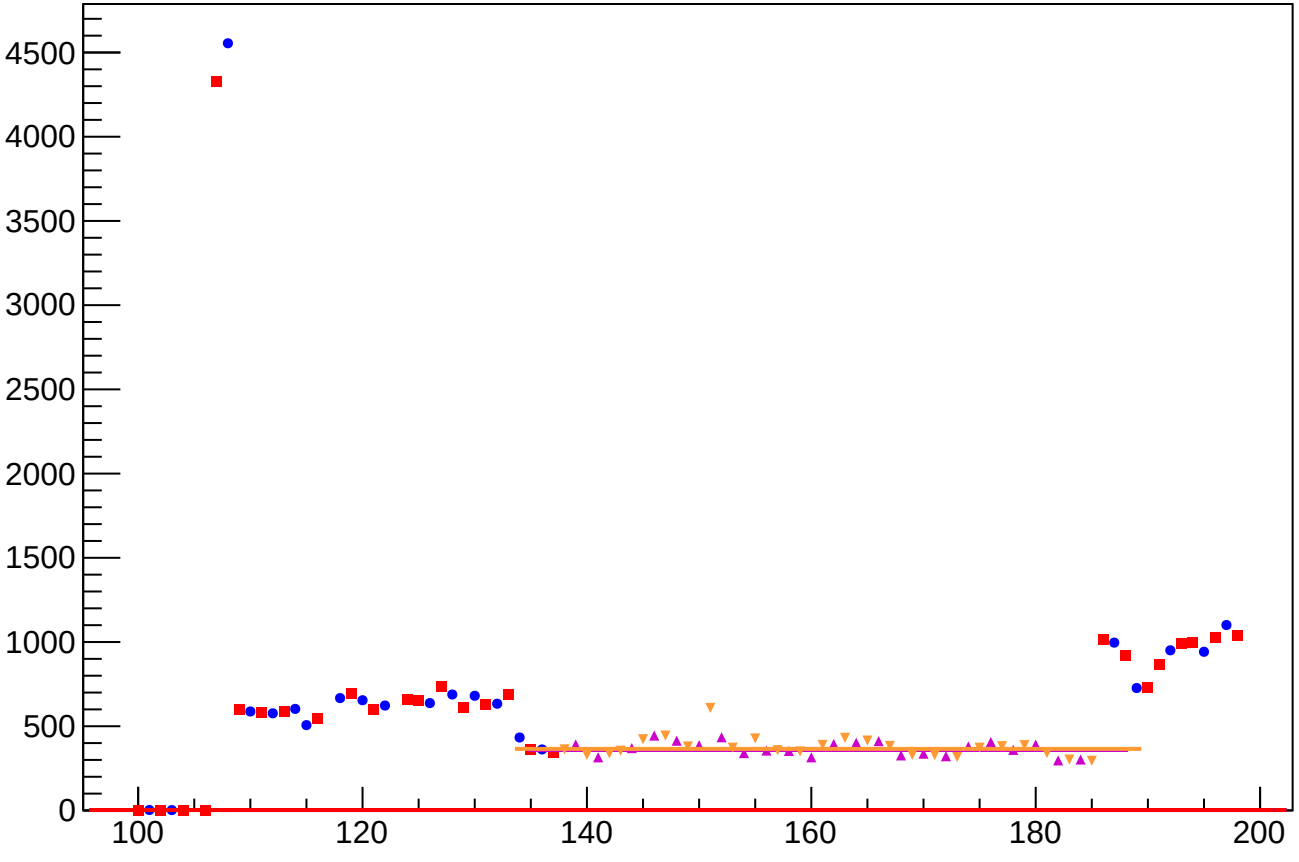
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.333+/-2.170 χ^2/NDF: 72.9/45

All: -1.401+/-1.479 χ^2/NDF: 118.4/95

- sign -1.460+/-2.022 χ^2/NDF: 45.5/49

asym_cav4bQ_rms vs Slug



Right In: 2.493+/-0.002 χ^2/NDF: 18269768.8/20

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.484+/-0.001 χ^2/NDF: 21999889.0/26

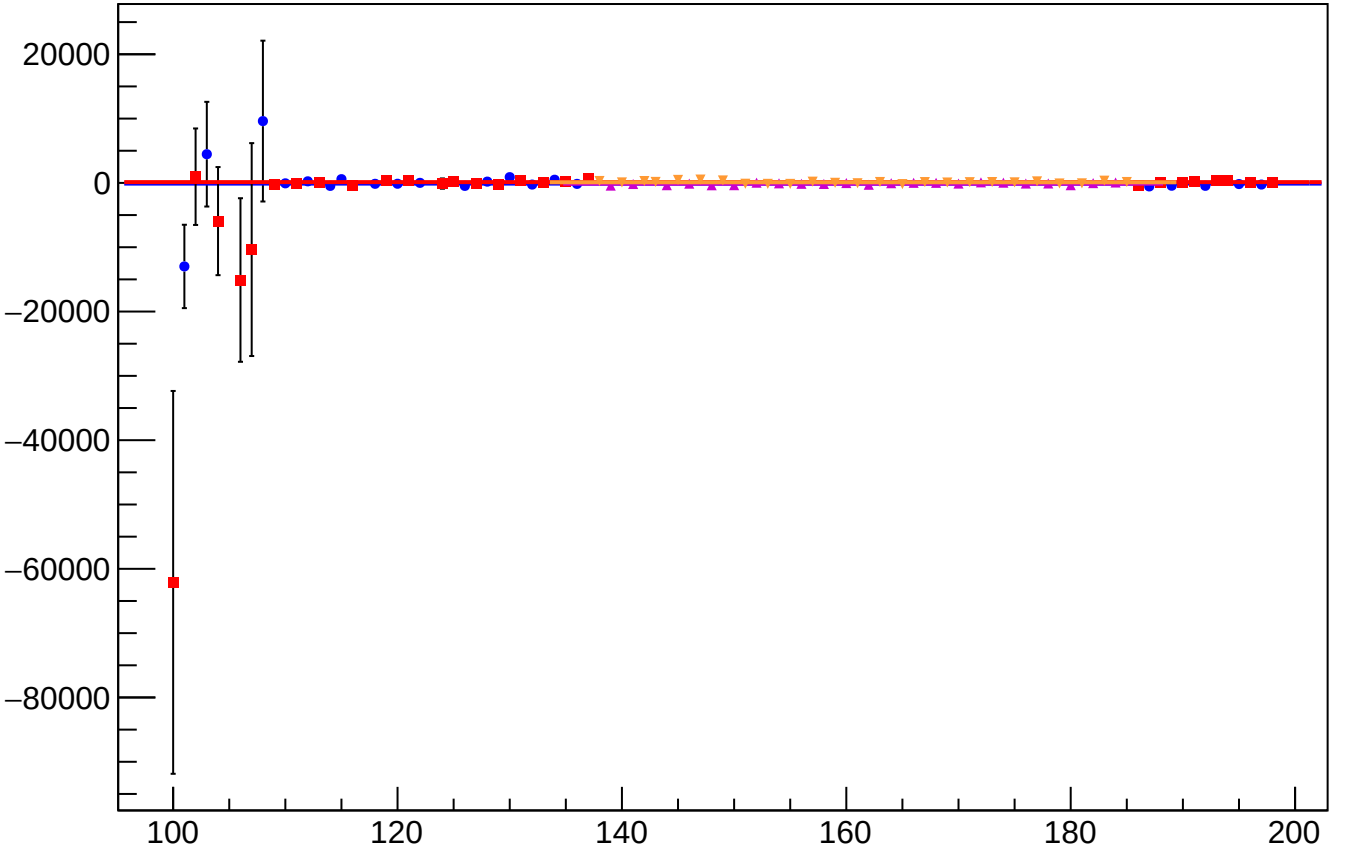
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.735+/-0.002 χ^2/NDF: 56101282.8/45

All: 2.708+/-0.001 χ^2/NDF: 113655438.1/95

- sign 2.686+/-0.001 χ^2/NDF: 57553614.4/49

asym_cav4cQ_mean vs Slug



Right In: -107.202+/-67.394 χ^2/NDF: 21.4/20

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 123.060+/-61.480 χ^2/NDF: 18.1/26

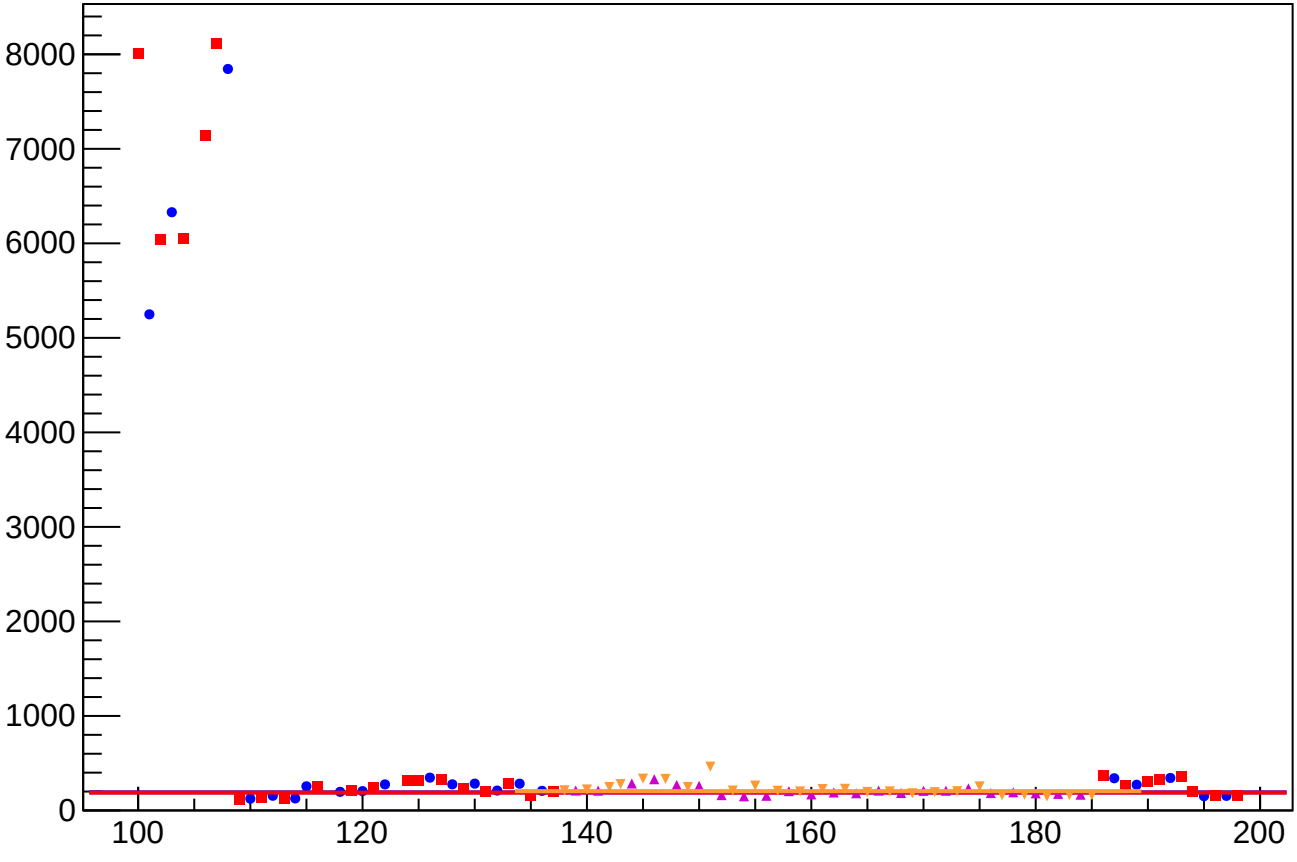
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 29.521+/-39.232 χ^2/NDF: 40.4/45

All: -1.746+/-27.039 χ^2/NDF: 78.8/95

- sign -30.037+/-37.317 χ^2/NDF: 37.2/49

asym_cav4cQ_rms vs Slug



Right In: 191.500+/-0.048 χ^2/NDF: 4732610.1/20

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 188.884+/-0.043 χ^2/NDF: 5454177.2/26

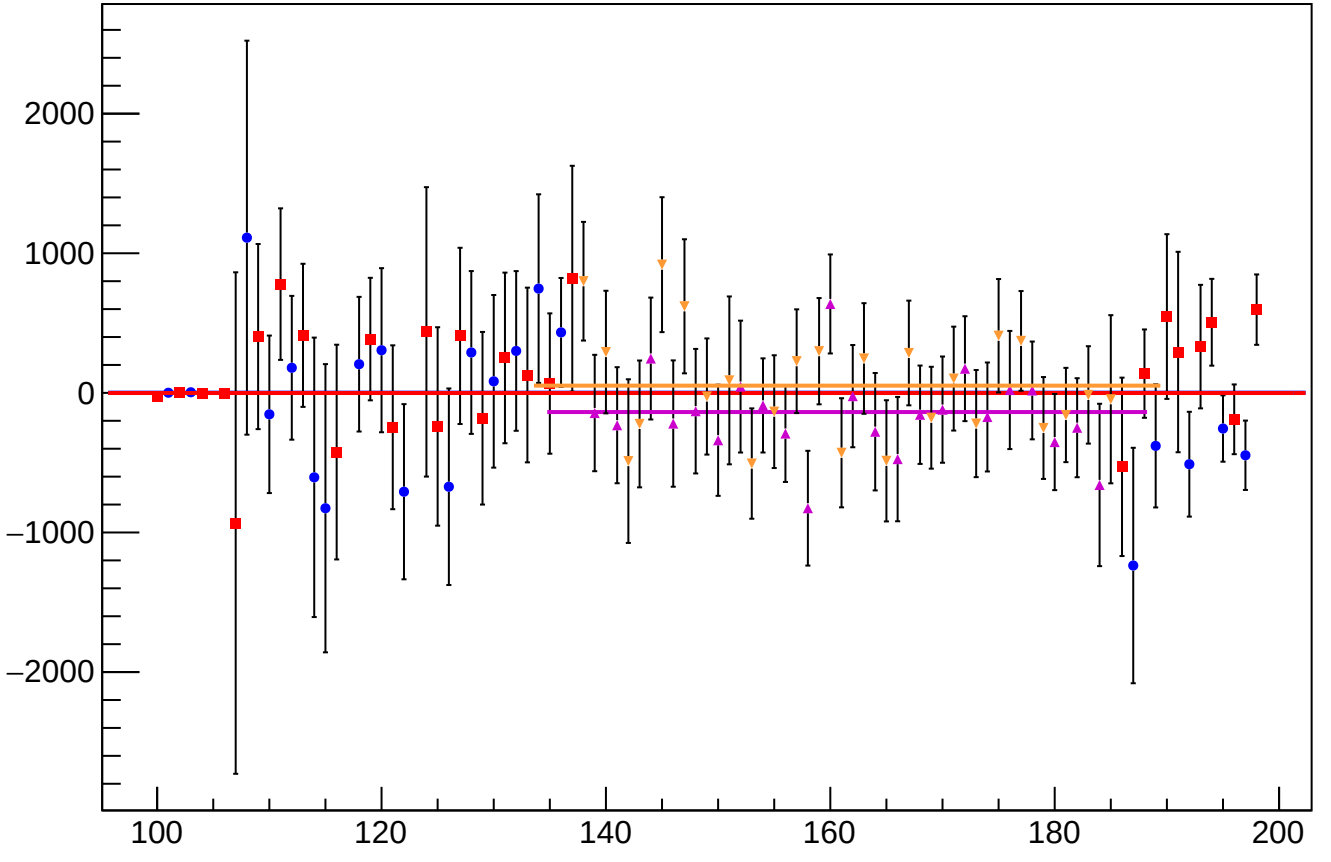
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 200.148+/-0.028 χ^2/NDF: 6757542.6/45

All: 195.896+/-0.019 χ^2/NDF: 13456451.7/95

- sign 192.049+/-0.026 χ^2/NDF: 6654159.0/49

asym_cav4dQ_mean vs Slug



Right In: 1.403+/-1.660 χ^2/NDF: 17.1/20

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.057+/-1.528 χ^2/NDF: 20.5/26

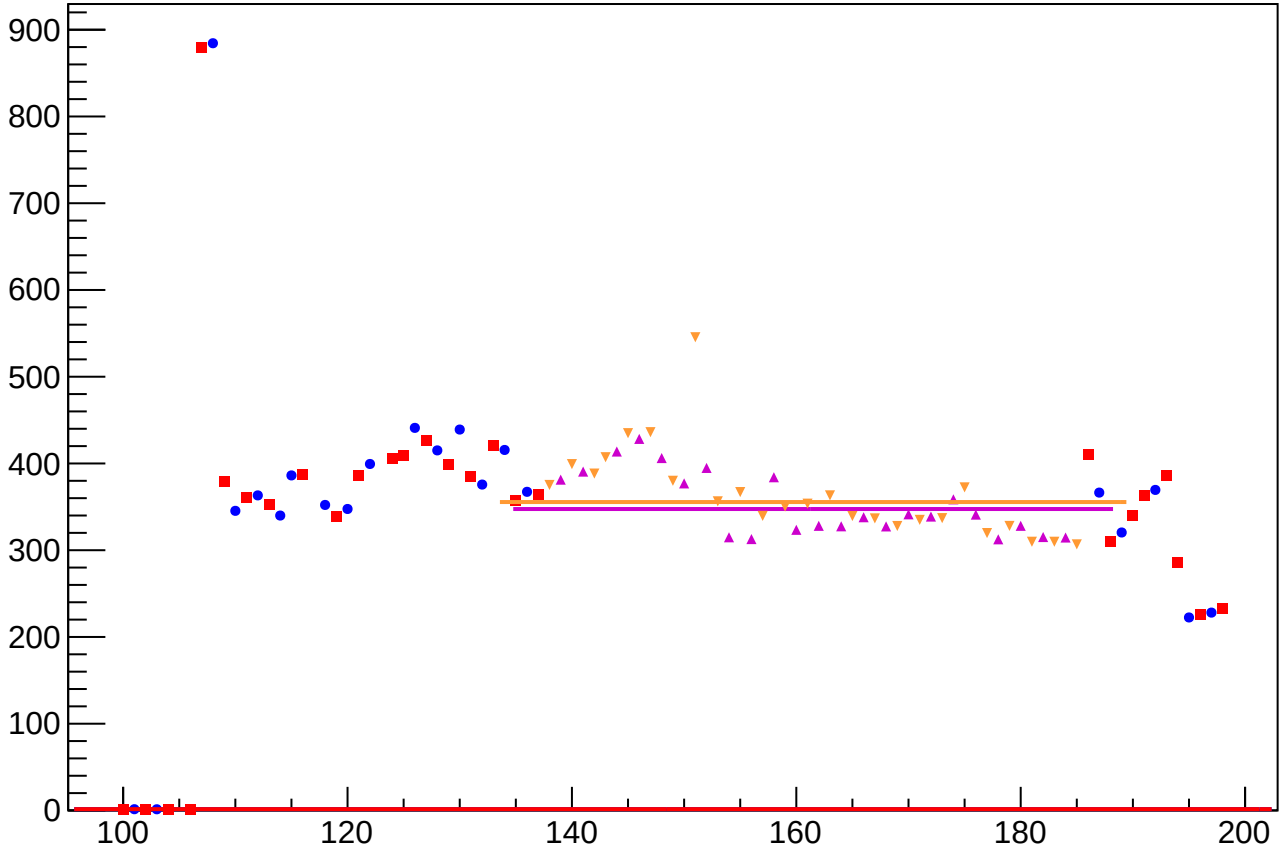
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.424+/-1.660 χ^2/NDF: 36.9/45

All: 0.055+/-1.124 χ^2/NDF: 73.5/95

- sign -1.104+/-1.527 χ^2/NDF: 35.4/49

asym_cav4dQ_rms vs Slug



Right In: 1.504+/-0.001 χ^2/NDF: 18473802.2/20

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.509+/-0.001 χ^2/NDF: 21643009.9/26

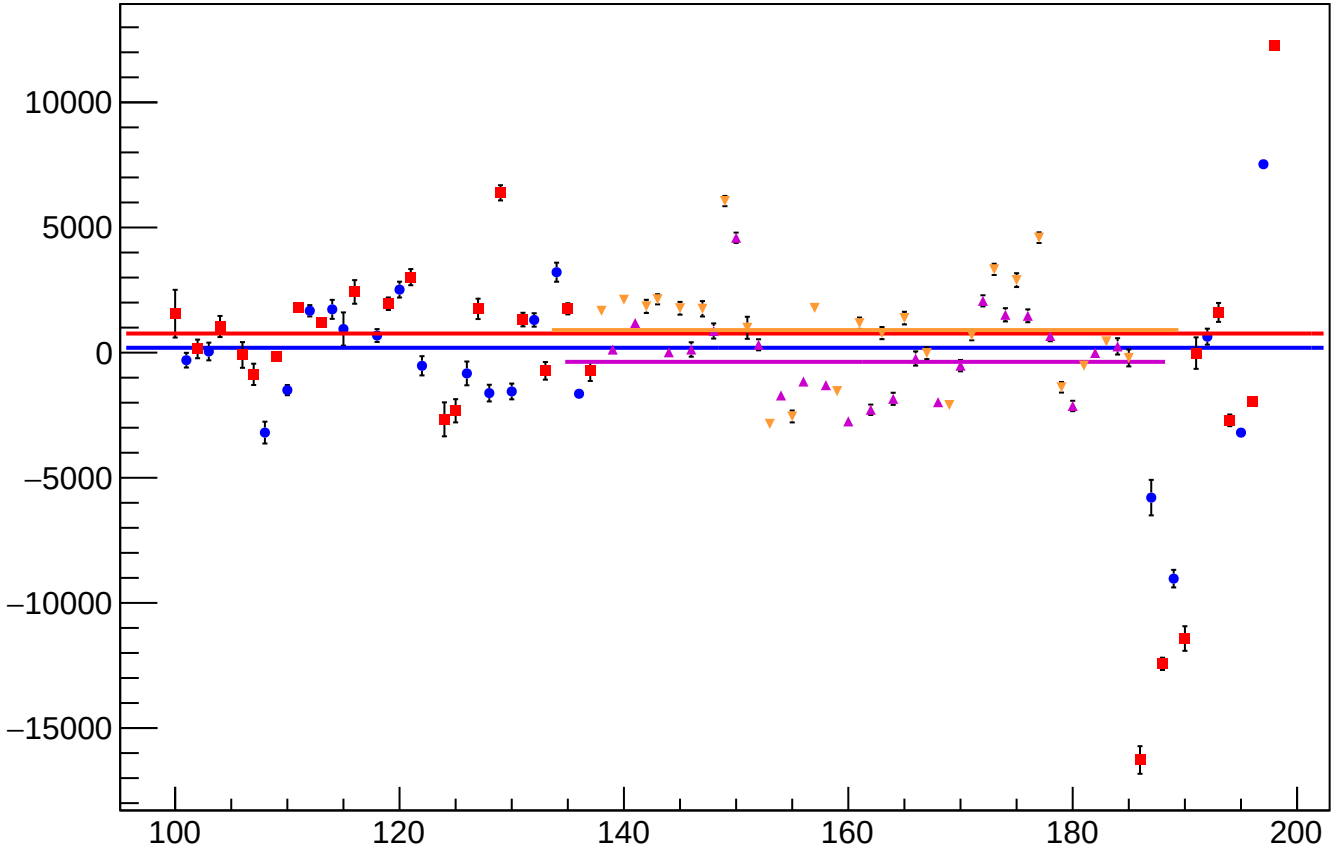
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.651+/-0.001 χ^2/NDF: 56675817.8/45

All: 1.639+/-0.001 χ^2/NDF: 114158566.5/95

- sign 1.629+/-0.001 χ^2/NDF: 57482554.8/49

asym_bcm0l02_mean vs Slug



Right In: 193.659+/-61.577 χ^2/NDF: 3382.7/20

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 763.581+/-55.388 χ^2/NDF: 9888.9/26

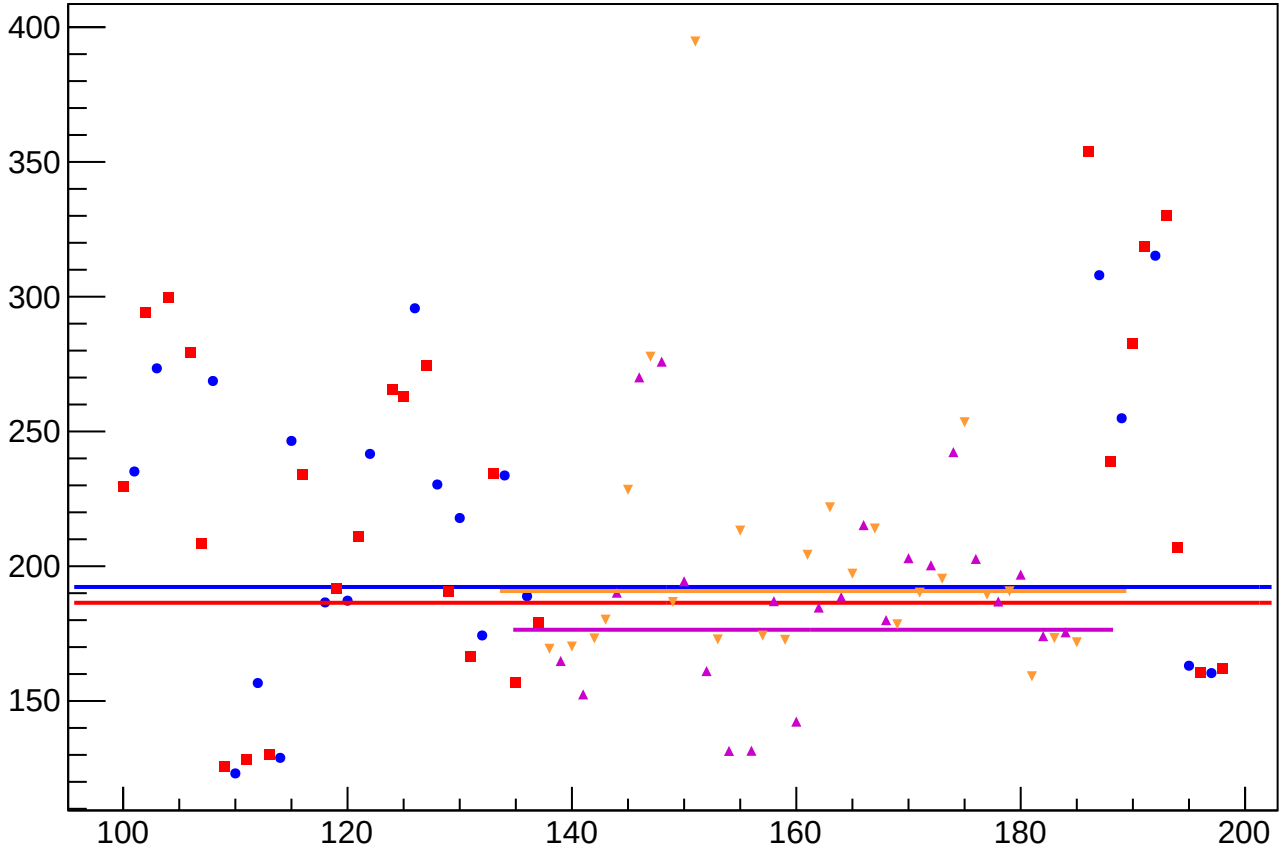
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 658.774+/-36.057 χ^2/NDF: 5880.5/45

All: 336.835+/-24.666 χ^2/NDF: 17774.2/95

- sign 53.659+/-33.817 χ^2/NDF: 11743.8/49

asym_bcm0l02_rms vs Slug



Right In: 192.302+/-0.044 χ^2/NDF: 1292777.7/20

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 186.443+/-0.039 χ^2/NDF: 2087336.6/26

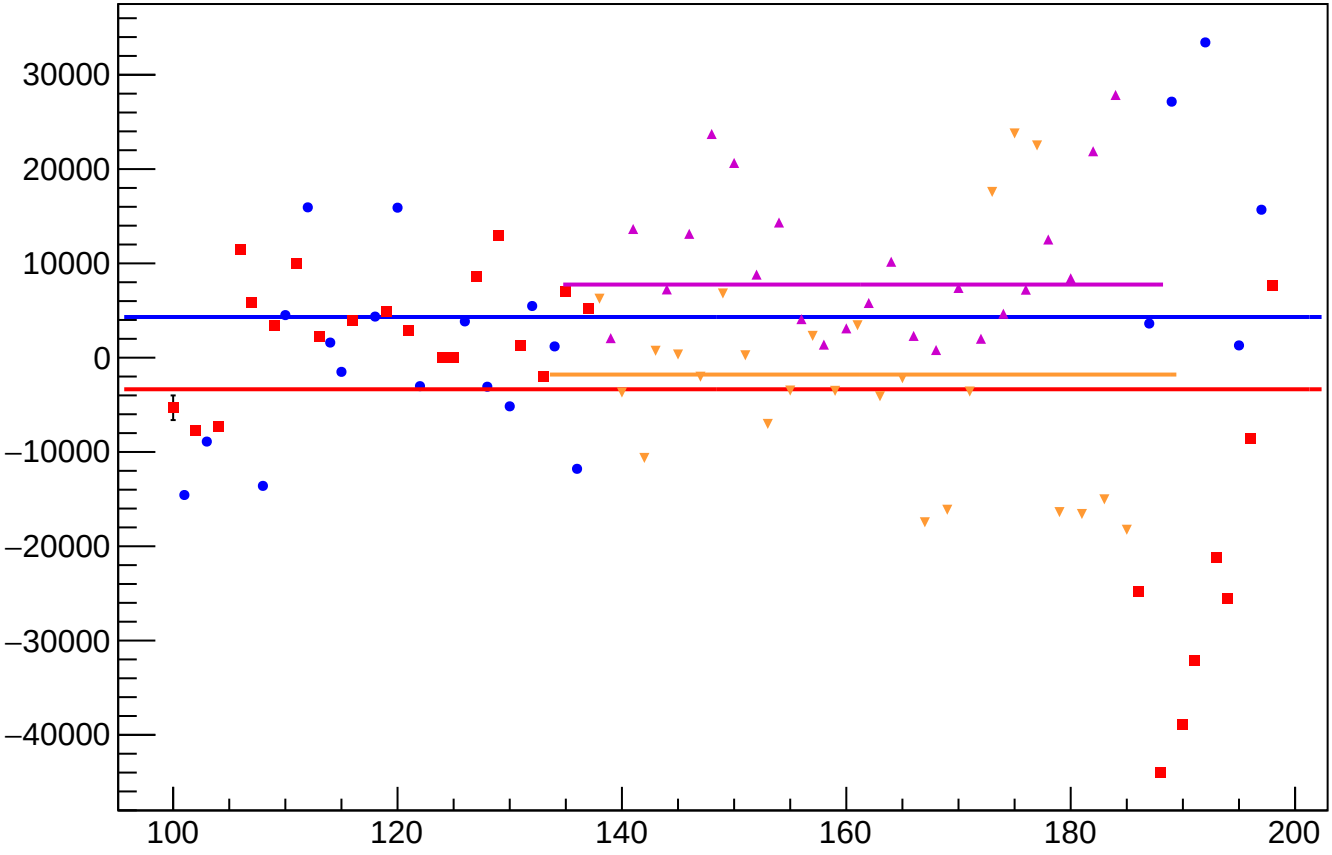
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 191.316+/-0.025 χ^2/NDF: 2313157.2/45

All: 185.382+/-0.017 χ^2/NDF: 5800933.2/95

- sign 180.163+/-0.024 χ^2/NDF: 3385979.6/49

asym_bpm0i02WS_mean vs Slug



Right In: 4313.593+/-47.111 χ^2/NDF: 74217.9/20

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3350.445+/-43.214 χ^2/NDF: 132392.9/26

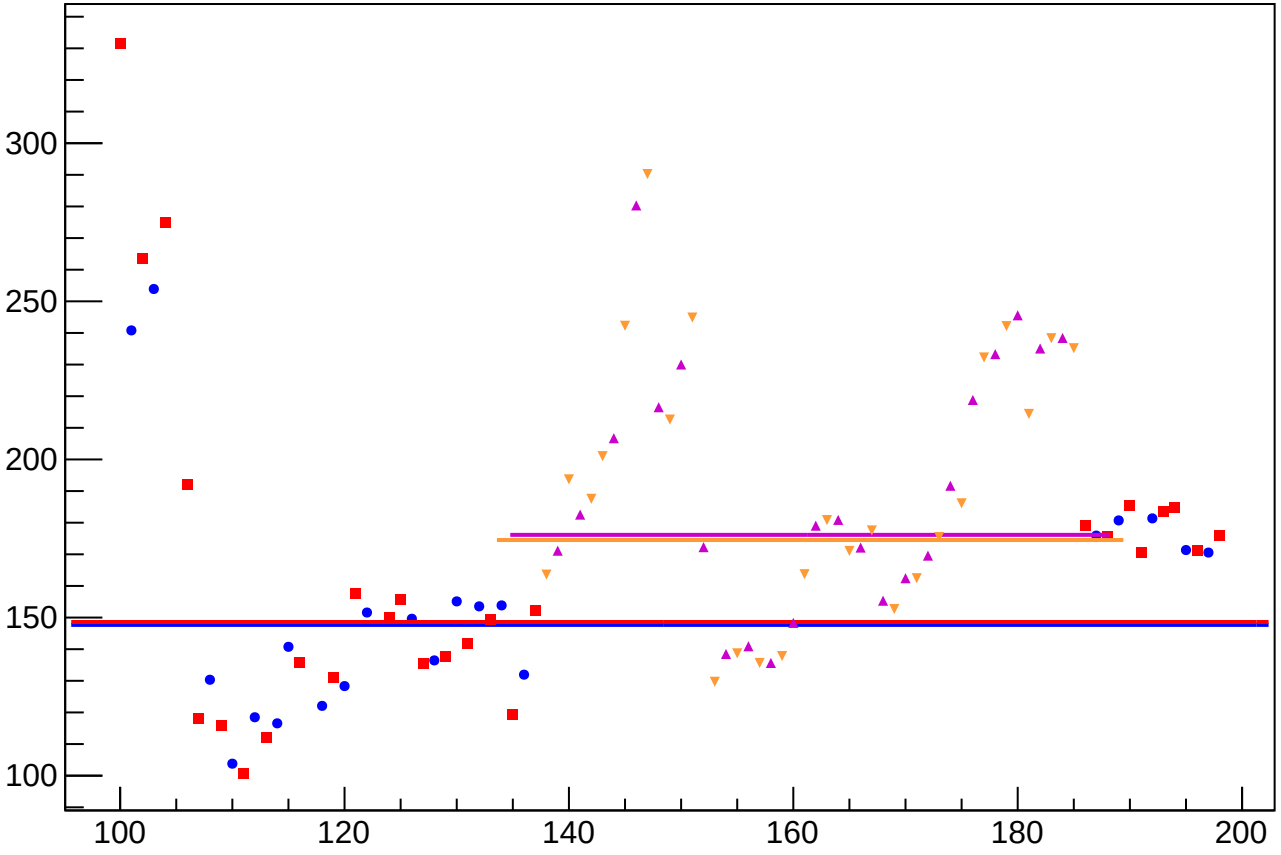
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 833.776+/-30.889 χ^2/NDF: 149534.0/45

All: 1572.812+/-21.640 χ^2/NDF: 339842.2/95

- sign 2285.196+/-30.327 χ^2/NDF: 189184.0/49

asym_bpm0i02WS_rms vs Slug



Right In: 147.685+/-0.033 χ^2/NDF: 887383.4/20

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 148.601+/-0.031 χ^2/NDF: 1320529.1/26

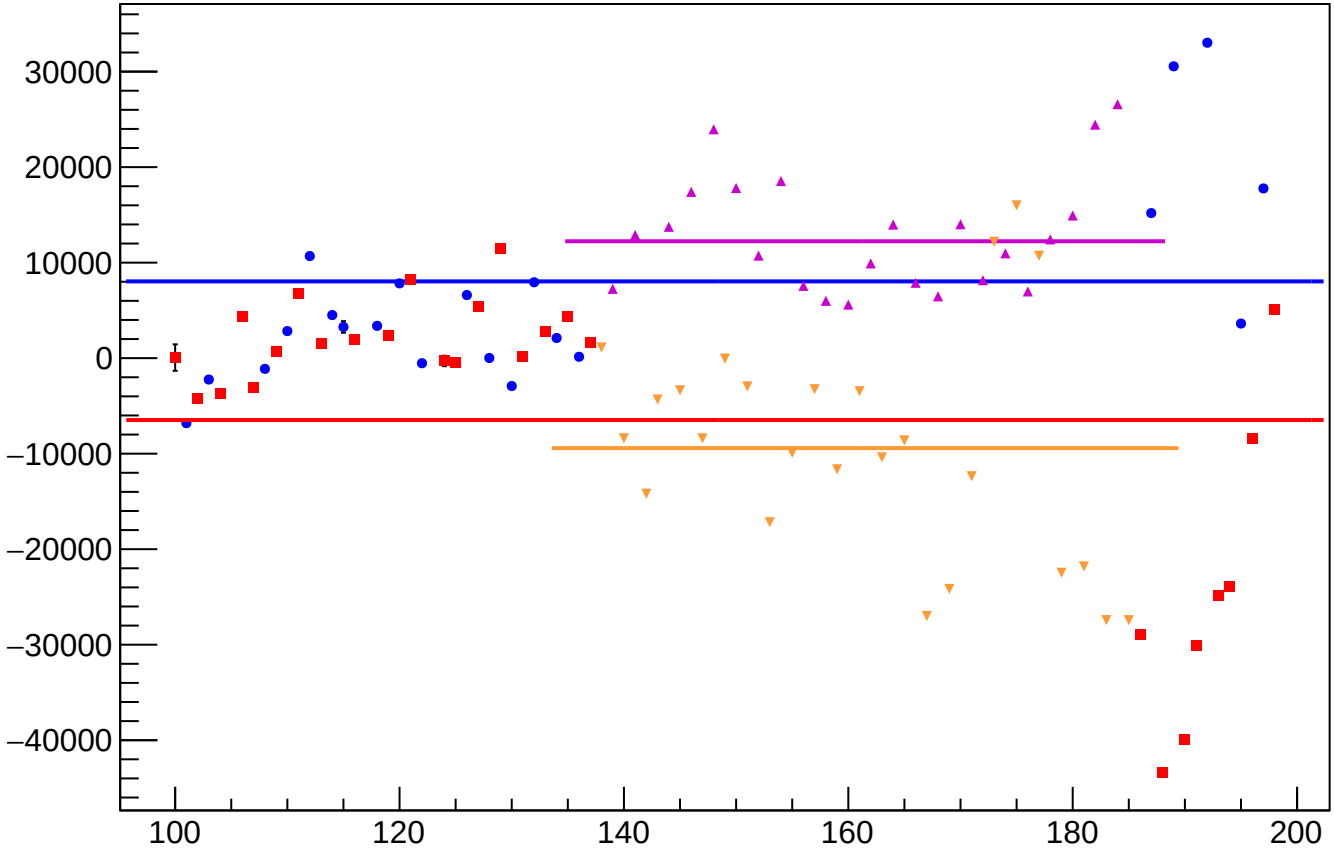
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.984+/-0.022 χ^2/NDF: 2916811.2/45

All: 162.780+/-0.015 χ^2/NDF: 6017216.2/95

- sign 162.584+/-0.021 χ^2/NDF: 3100234.3/49

asym_bpm0i02aWS_mean vs Slug



Right In: 8038.293+/-56.385 χ^2/NDF: 35756.9/20

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6477.338+/-50.329 χ^2/NDF: 102141.8/26

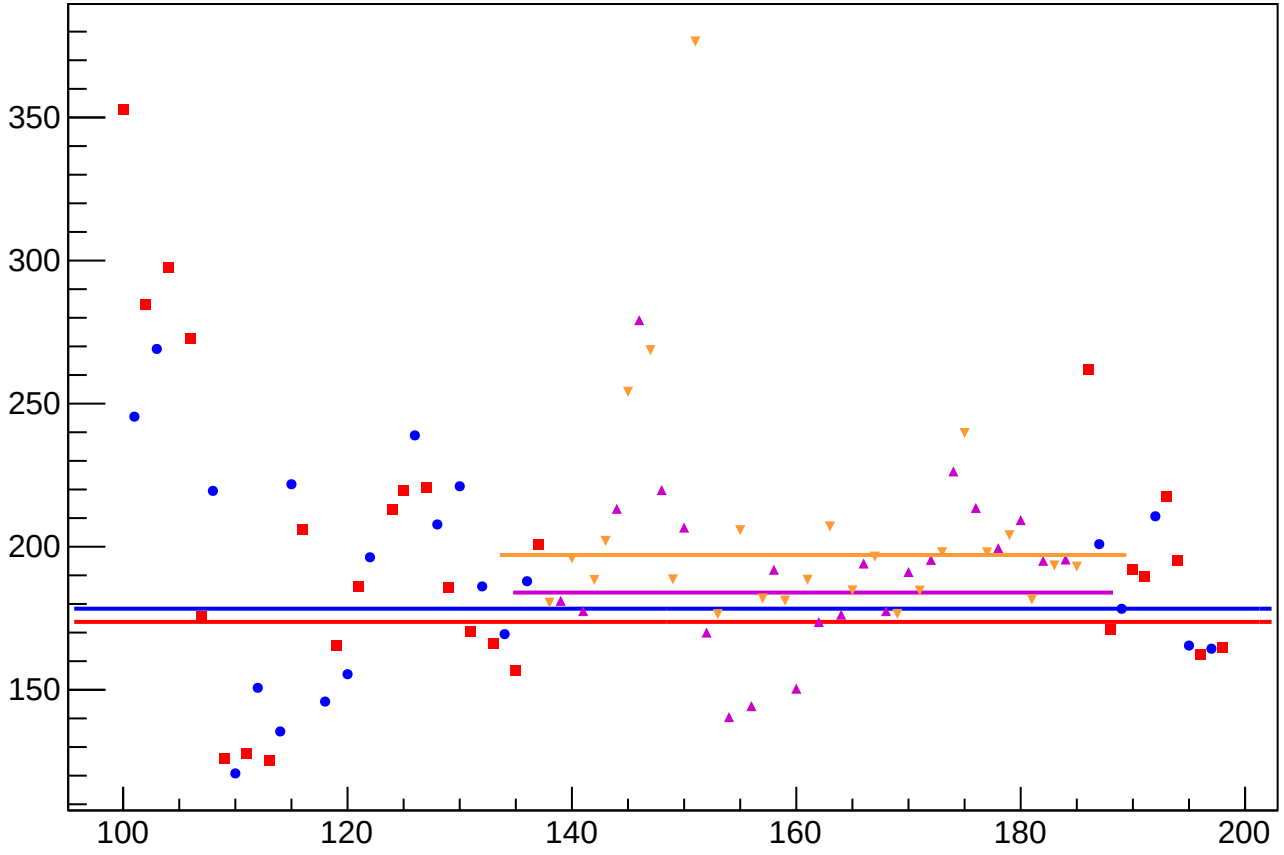
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -2498.836+/-35.502 χ^2/NDF: 158339.4/45

All: 1015.322+/-24.252 χ^2/NDF: 372949.1/95

- sign 4090.120+/-33.209 χ^2/NDF: 196238.9/49

asym_bpm0i02aWS_rms vs Slug



Right In: 178.348+/-0.040 χ^2/NDF: 747530.6/20

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.735+/-0.036 χ^2/NDF: 1192524.8/26

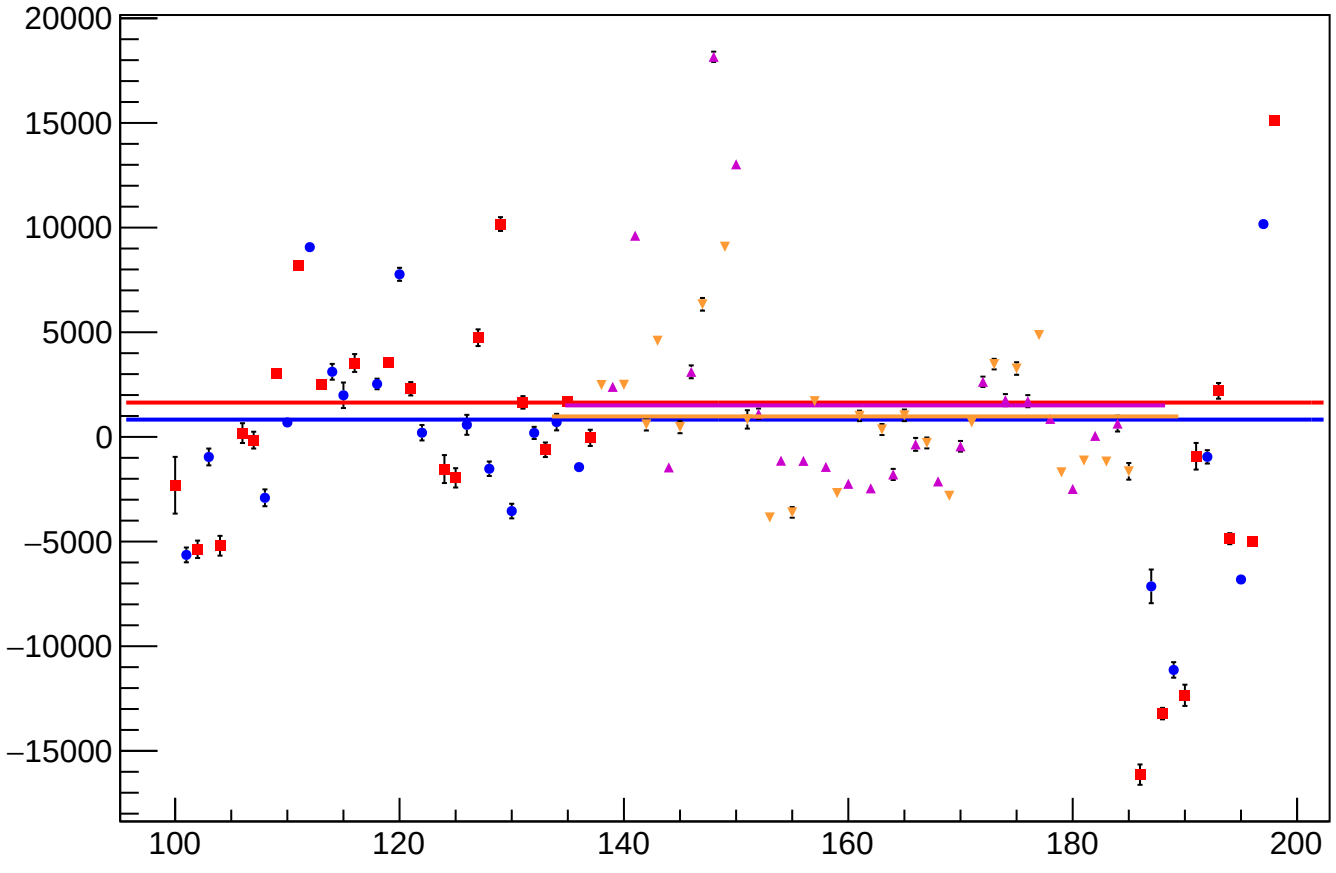
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 189.679+/-0.025 χ^2/NDF: 1613887.5/45

All: 184.262+/-0.017 χ^2/NDF: 3770341.9/95

- sign 179.522+/-0.023 χ^2/NDF: 2069147.4/49

asym_bpm0i05WS_mean vs Slug



Right In: 826.721+/-63.858 χ^2/NDF: 7746.2/20

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1640.511+/-57.121 χ^2/NDF: 14242.7/26

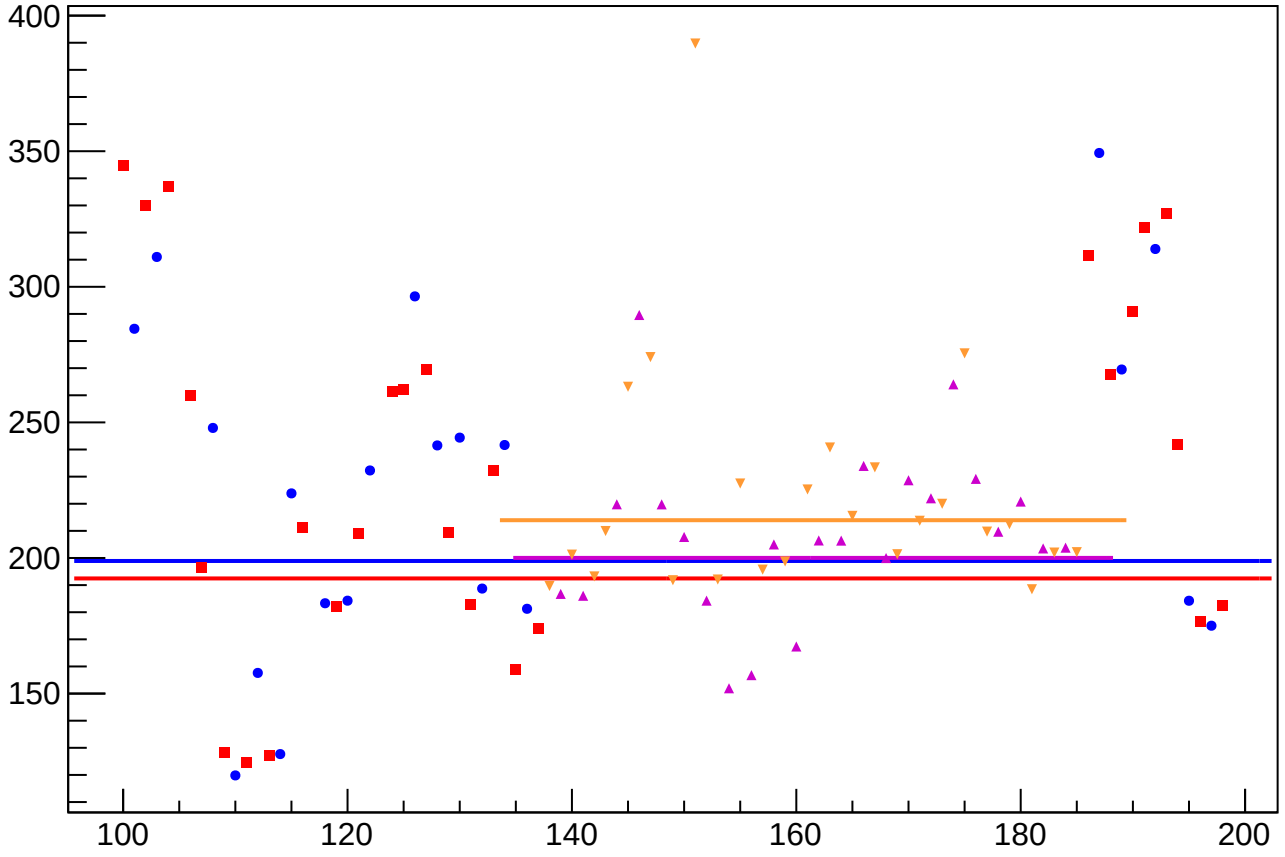
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 921.333+/-39.175 χ^2/NDF: 12072.6/45

All: 1261.510+/-26.811 χ^2/NDF: 37941.1/95

- sign 1561.210+/-36.771 χ^2/NDF: 25726.6/49

asym_bpm0i05WS_rms vs Slug



Right In: 198.899+/-0.045 χ^2/NDF: 1418534.5/20

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.459+/-0.040 χ^2/NDF: 2232948.7/26

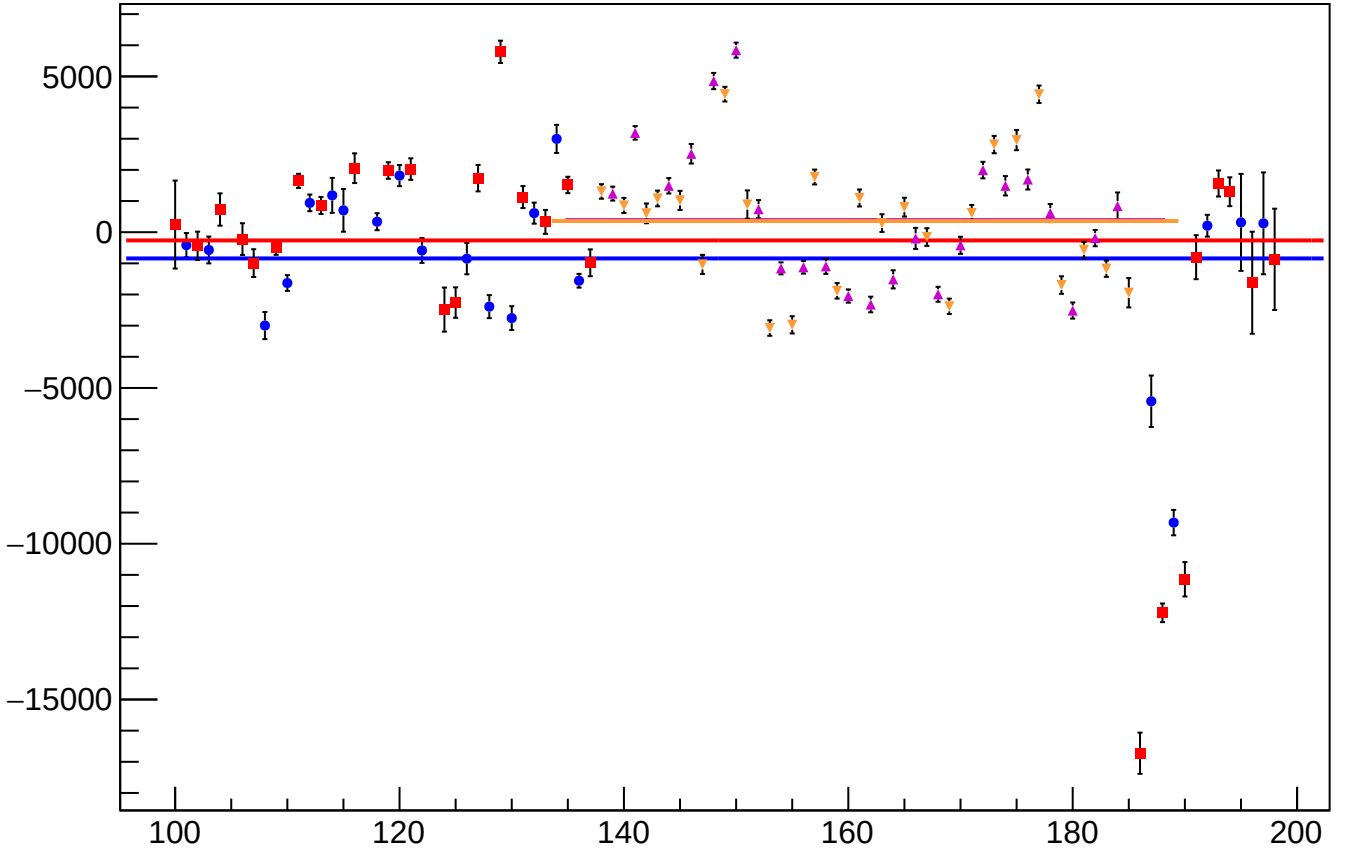
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.274+/-0.028 χ^2/NDF: 2221293.3/45

All: 202.223+/-0.019 χ^2/NDF: 5350074.2/95

- sign 196.893+/-0.026 χ^2/NDF: 3039050.6/49

asym_bpm0i07WS_mean vs Slug



Right In: -842.754+/-81.782 χ^2/NDF: 797.3/20

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -264.489+/-74.026 χ^2/NDF: 3268.9/26

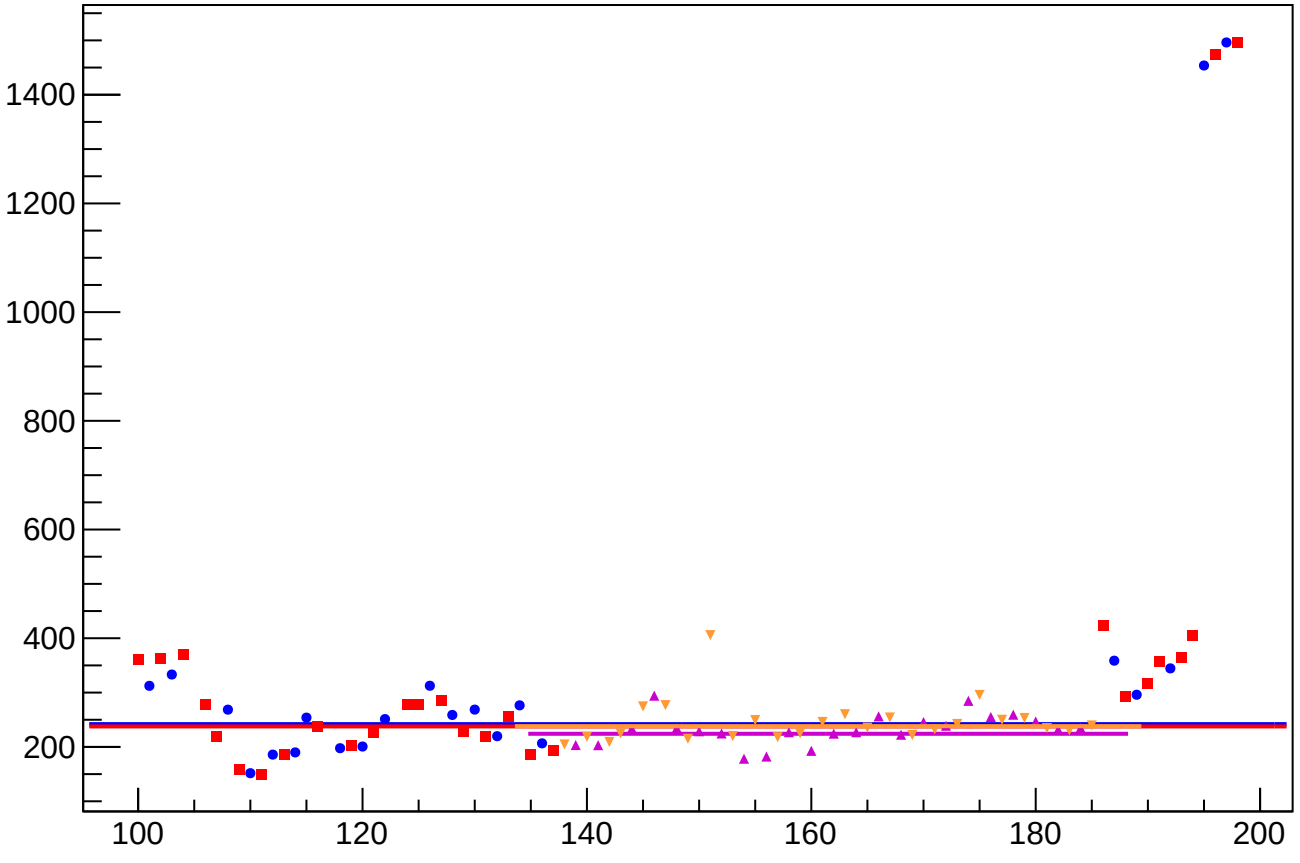
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.403+/-45.634 χ^2/NDF: 2364.8/45

All: 78.466+/-31.440 χ^2/NDF: 7496.7/95

- sign 163.275+/-43.376 χ^2/NDF: 5123.9/49

asym_bpm0i07WS_rms vs Slug



Right In: 241.987+/-0.058 χ^2/NDF: 3369901.5/20

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 237.719+/-0.052 χ^2/NDF: 4253490.7/26

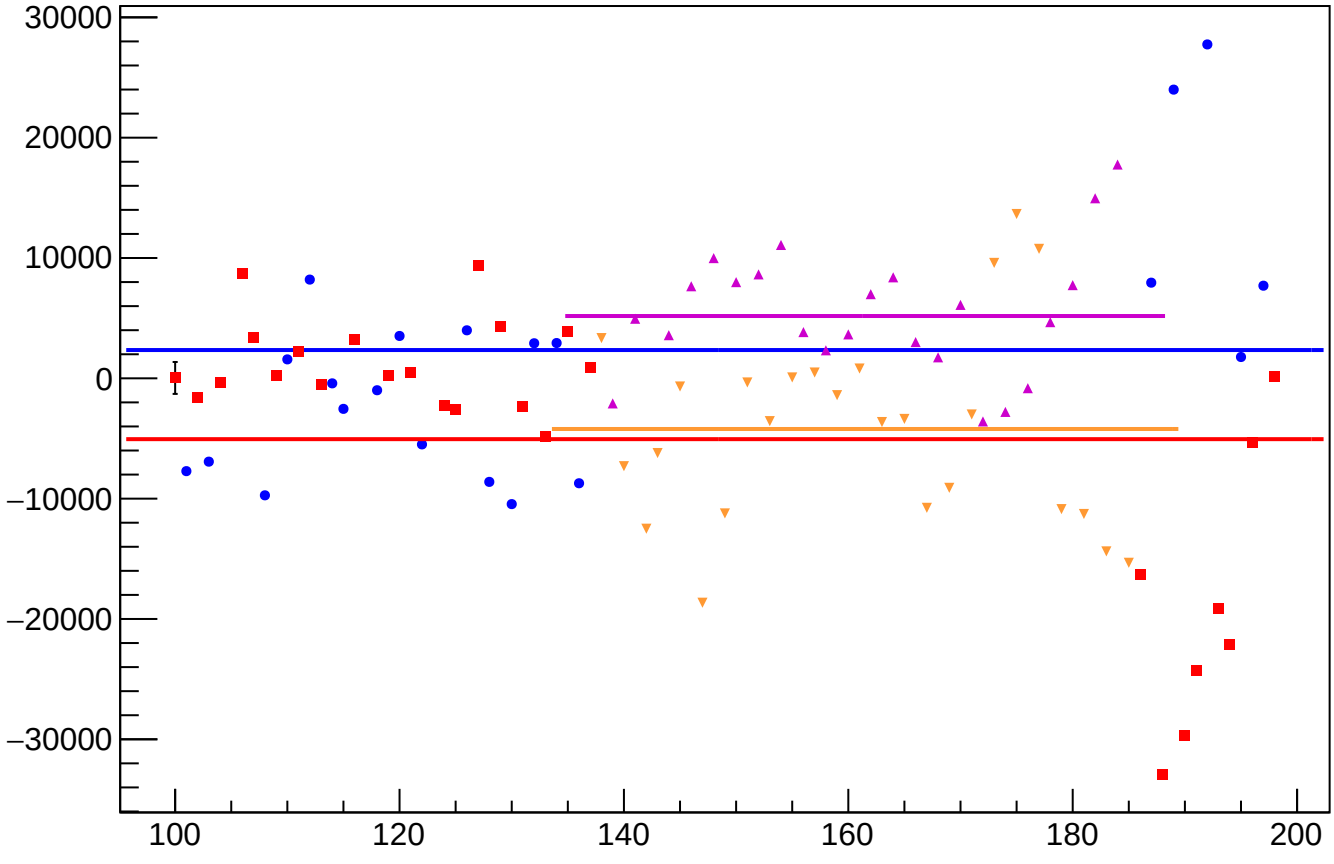
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 239.379+/-0.032 χ^2/NDF: 3940791.3/45

All: 233.847+/-0.022 χ^2/NDF: 8857170.0/95

- sign 228.849+/-0.031 χ^2/NDF: 4860442.5/49

asym_bpm1i02WS_mean vs Slug



Right In: 2350.580+/-40.014 χ^2/NDF: 69729.7/20

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5055.616+/-36.445 χ^2/NDF: 102274.1/26

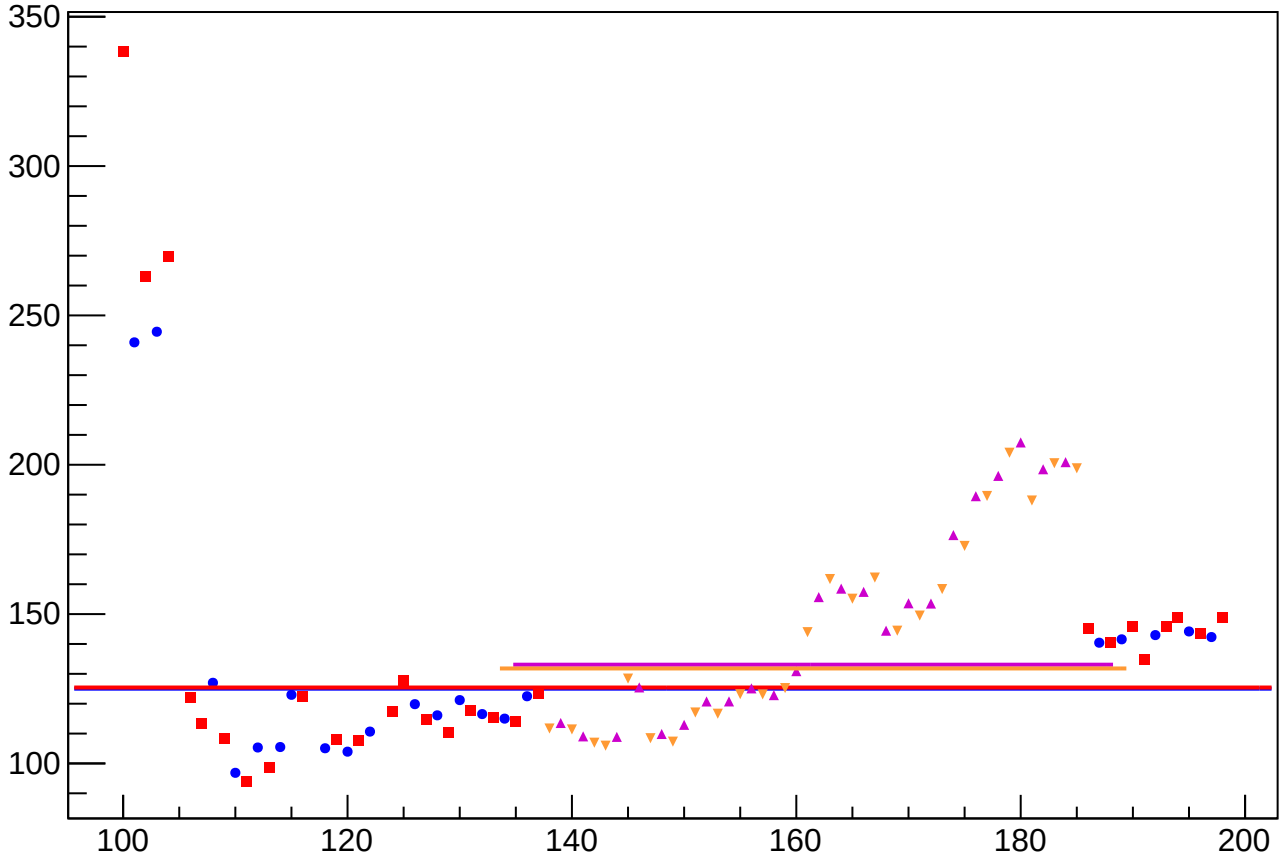
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1766.730+/-24.421 χ^2/NDF: 143404.2/45

All: -499.432+/-17.130 χ^2/NDF: 314082.1/95

- sign 727.925+/-24.033 χ^2/NDF: 165376.9/49

asym_bpm1i02WS_rms vs Slug



Right In: 125.032+/-0.028 χ^2/NDF: 876943.8/20

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

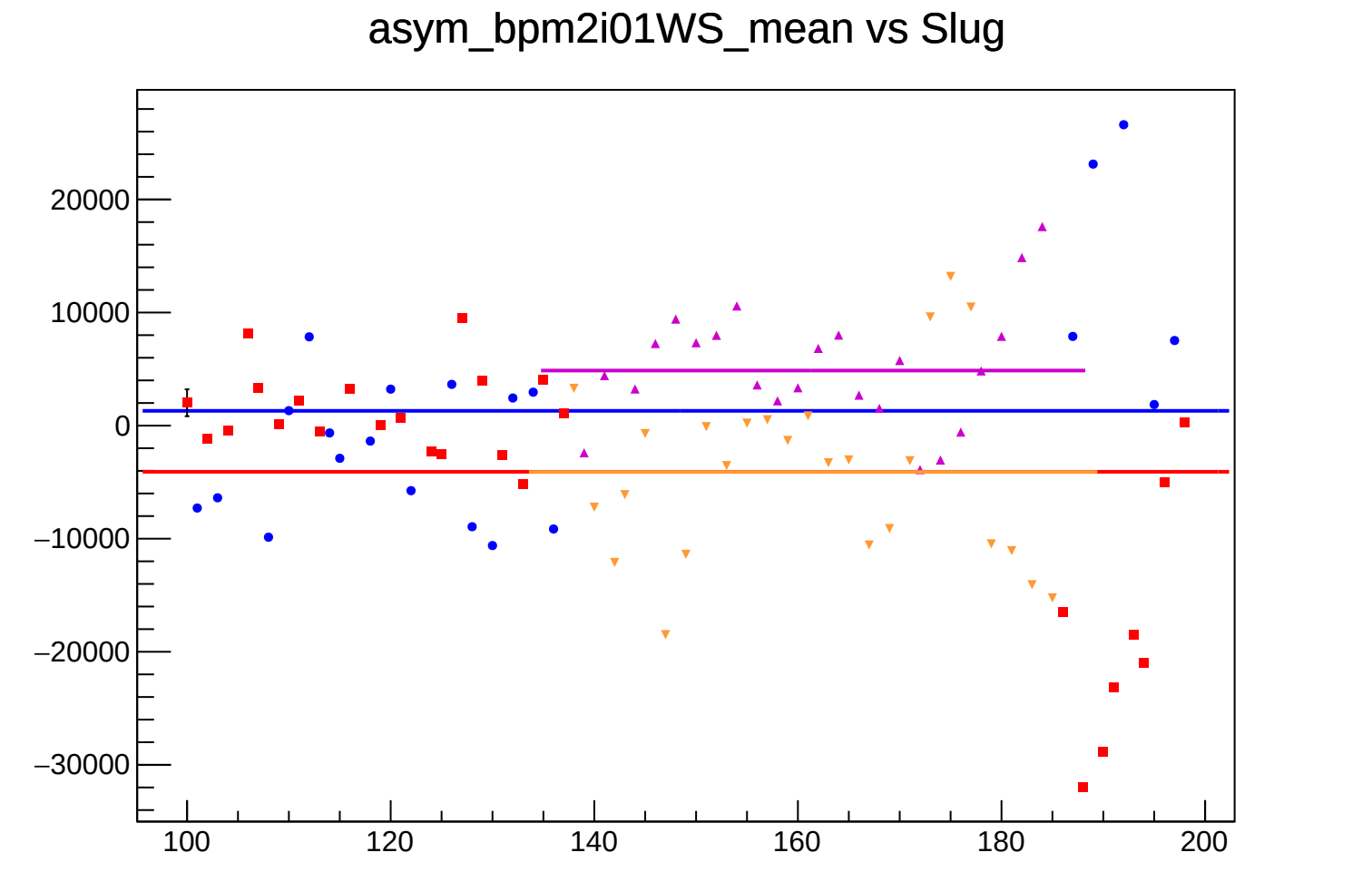
Right Out: 125.421+/-0.026 χ^2/NDF: 1154871.7/26

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 129.278+/-0.017 χ^2/NDF: 2457161.2/45

All: 129.512+/-0.012 χ^2/NDF: 5080323.6/95

- sign 129.739+/-0.017 χ^2/NDF: 2622800.0/49



Right In: 1307.197+/-35.941 χ^2/NDF: 75896.4/20

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4081.687+/-33.138 χ^2/NDF: 107886.1/26

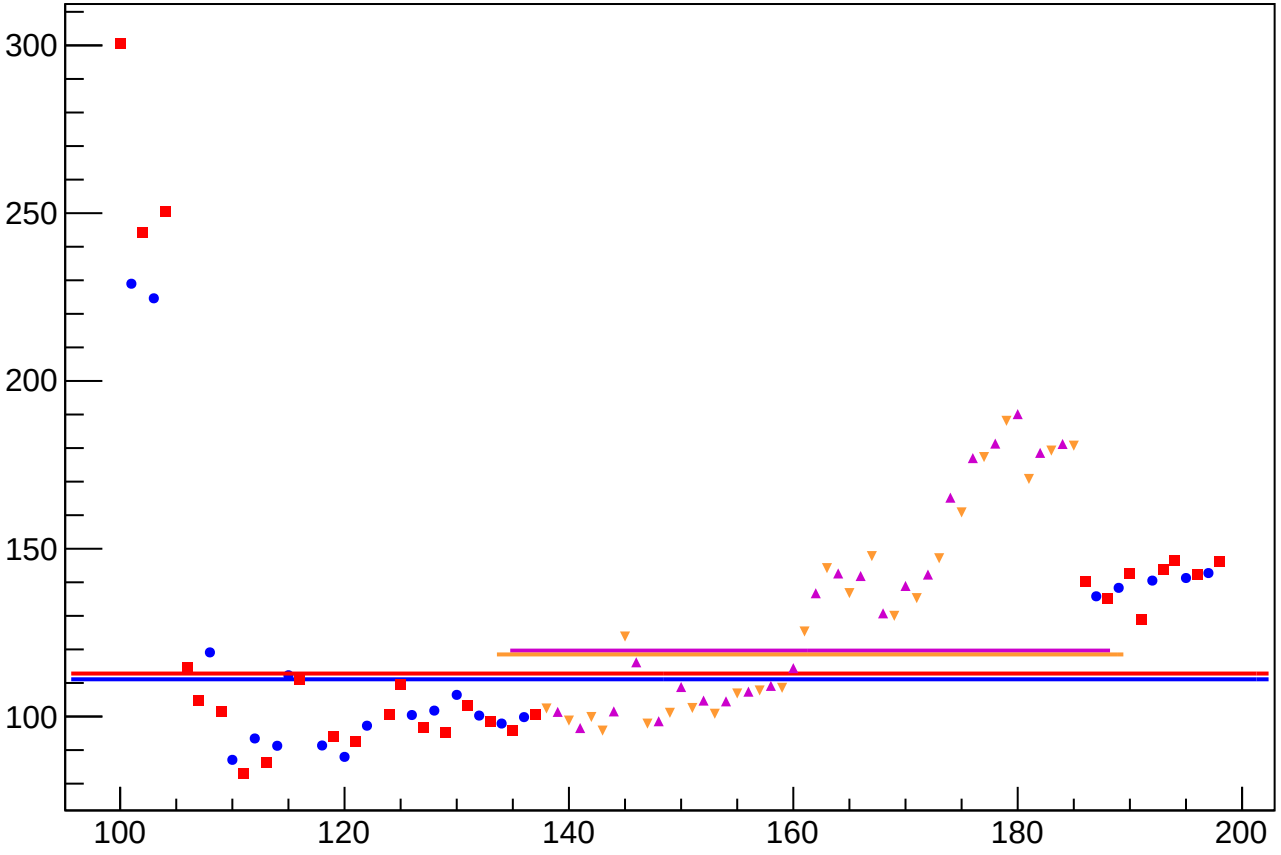
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

\+ sign -2077.862+/-21.976 χ^2/NDF: 156334.2/45

All: -514.102+/-15.456 χ^2/NDF: 337713.0/95

\- sign 1016.510+/-21.741 χ^2/NDF: 171358.9/49

asym_bpm2i01WS_rms vs Slug



Right In: 111.095+/-0.025 χ^2/NDF: 1211028.6/20

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 112.809+/-0.023 χ^2/NDF: 1557437.5/26

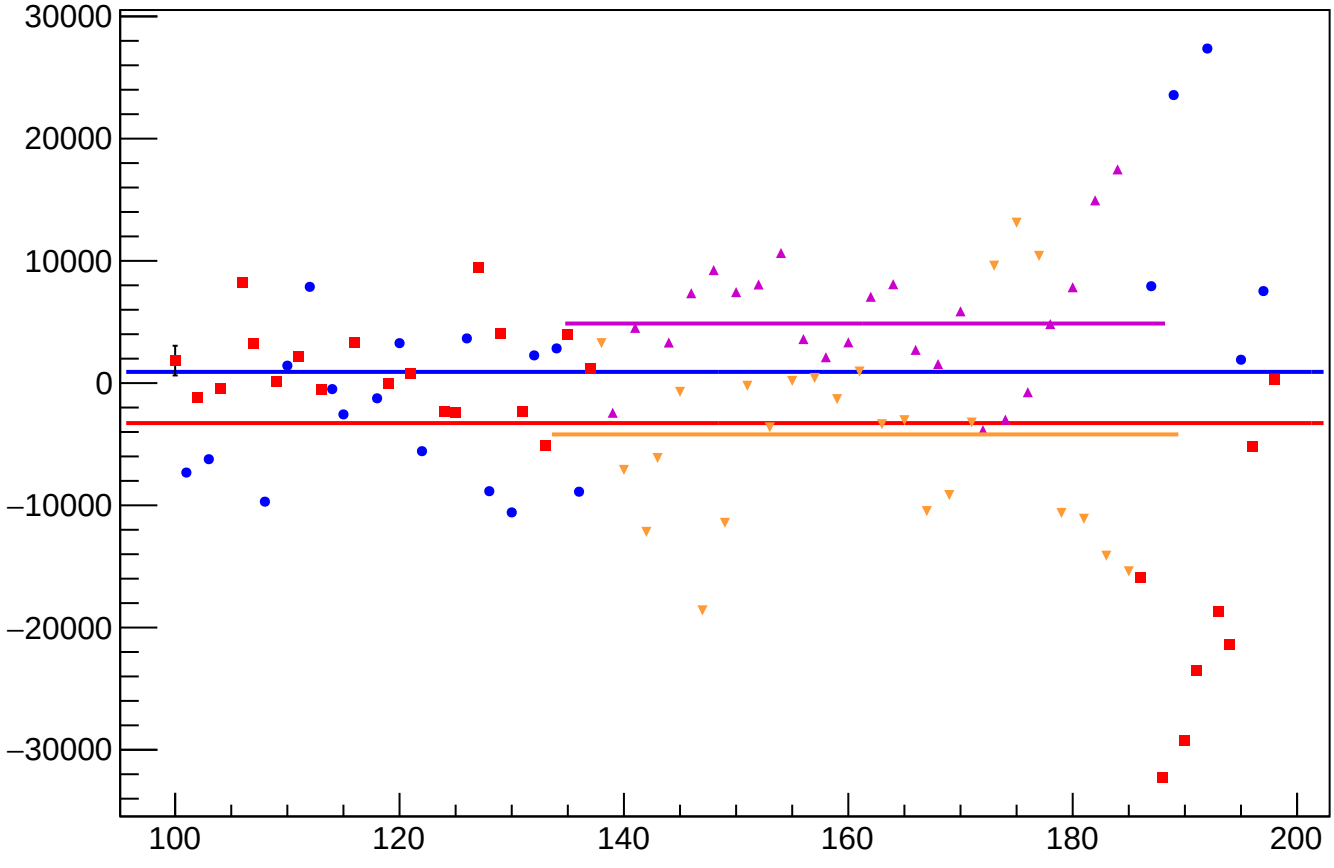
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 115.733+/-0.016 χ^2/NDF: 2891357.2/45

All: 116.223+/-0.011 χ^2/NDF: 6011621.5/95

- sign 116.702+/-0.015 χ^2/NDF: 3118297.0/49

asym_bpm2i02WS_mean vs Slug



Right In: 917.309+/-35.017 χ^2/NDF: 74185.8/20

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3270.987+/-32.477 χ^2/NDF: 100993.7/26

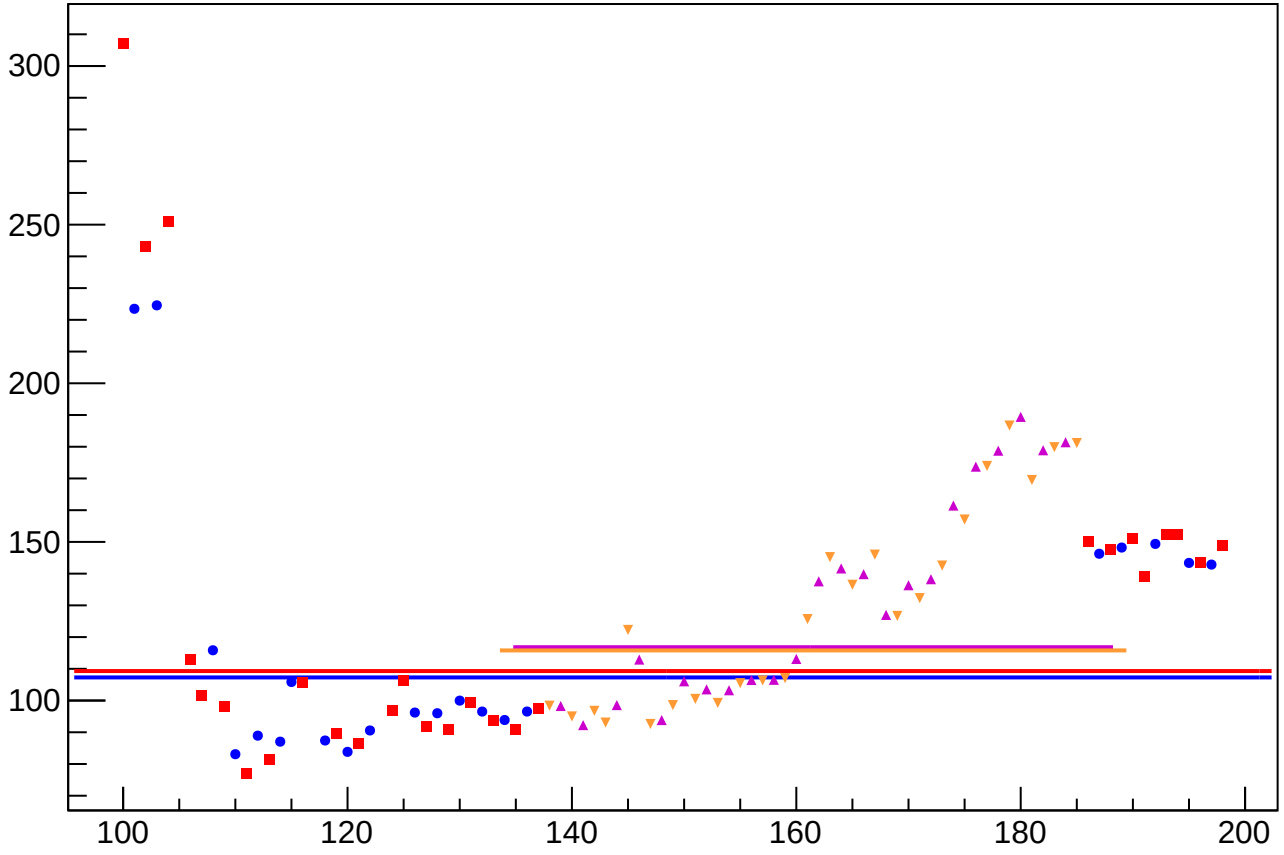
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

\+ sign -2271.738+/-21.486 χ^2/NDF: 157903.4/45

All: -433.331+/-15.124 χ^2/NDF: 332184.3/95

\- sign 1372.194+/-21.293 χ^2/NDF: 159770.0/49

asym_bpm2i02WS_rms vs Slug



Right In: 107.286+/-0.025 χ^2/NDF: 1456868.4/20

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 109.292+/-0.023 χ^2/NDF: 2006862.0/26

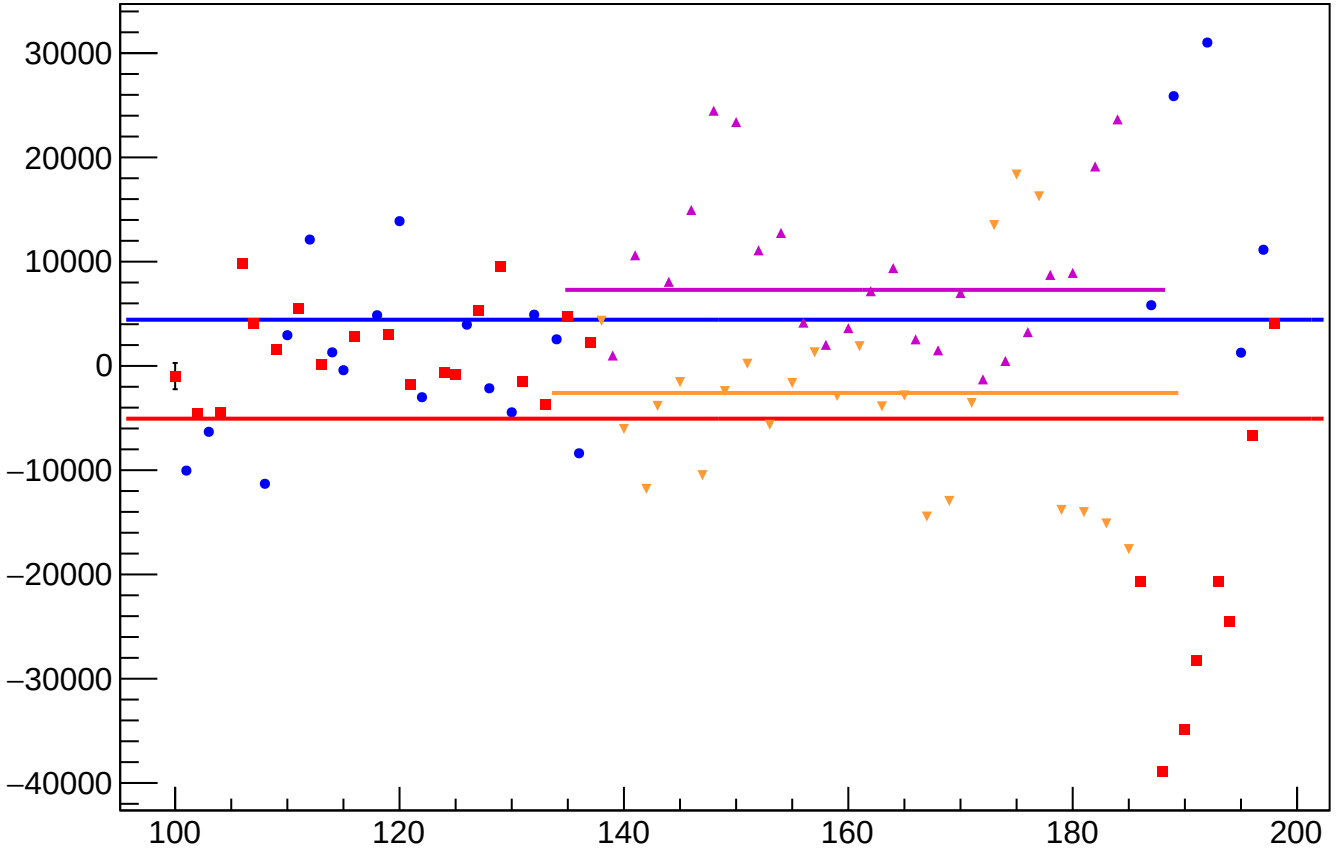
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 112.593+/-0.015 χ^2/NDF: 3279569.2/45

All: 113.090+/-0.011 χ^2/NDF: 6967274.3/95

- sign 113.577+/-0.015 χ^2/NDF: 3685588.9/49

asym_bpm0i01WS_mean vs Slug



Right In: 4432.479+/-47.586 χ^2/NDF: 55033.4/20

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5058.303+/-43.982 χ^2/NDF: 95638.5/26

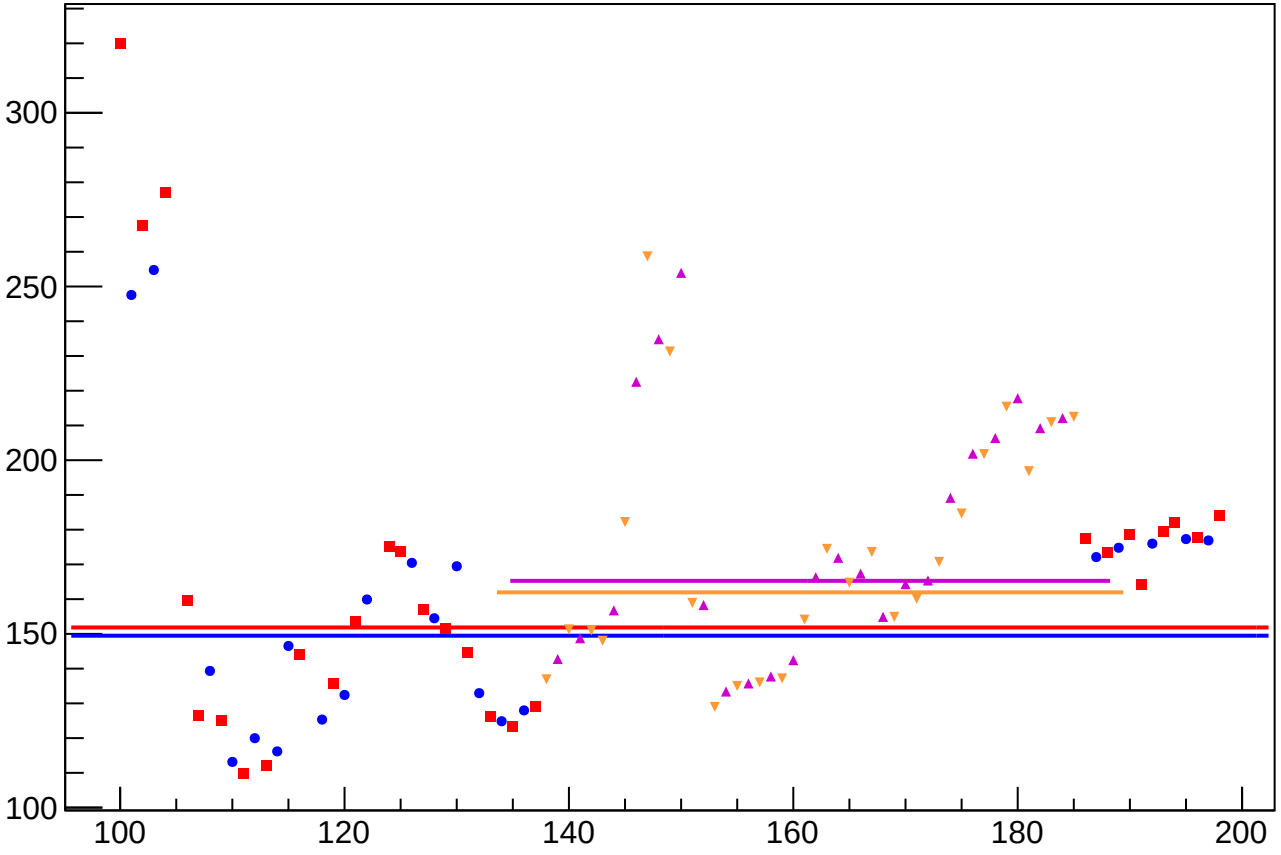
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 112.144+/-29.523 χ^2/NDF: 116428.9/45

All: 943.282+/-20.839 χ^2/NDF: 281992.3/95

- sign 1768.578+/-29.419 χ^2/NDF: 163983.9/49

asym_bpm0i01WS_rms vs Slug



Right In: 149.479+/-0.034 χ^2/NDF: 882312.2/20

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

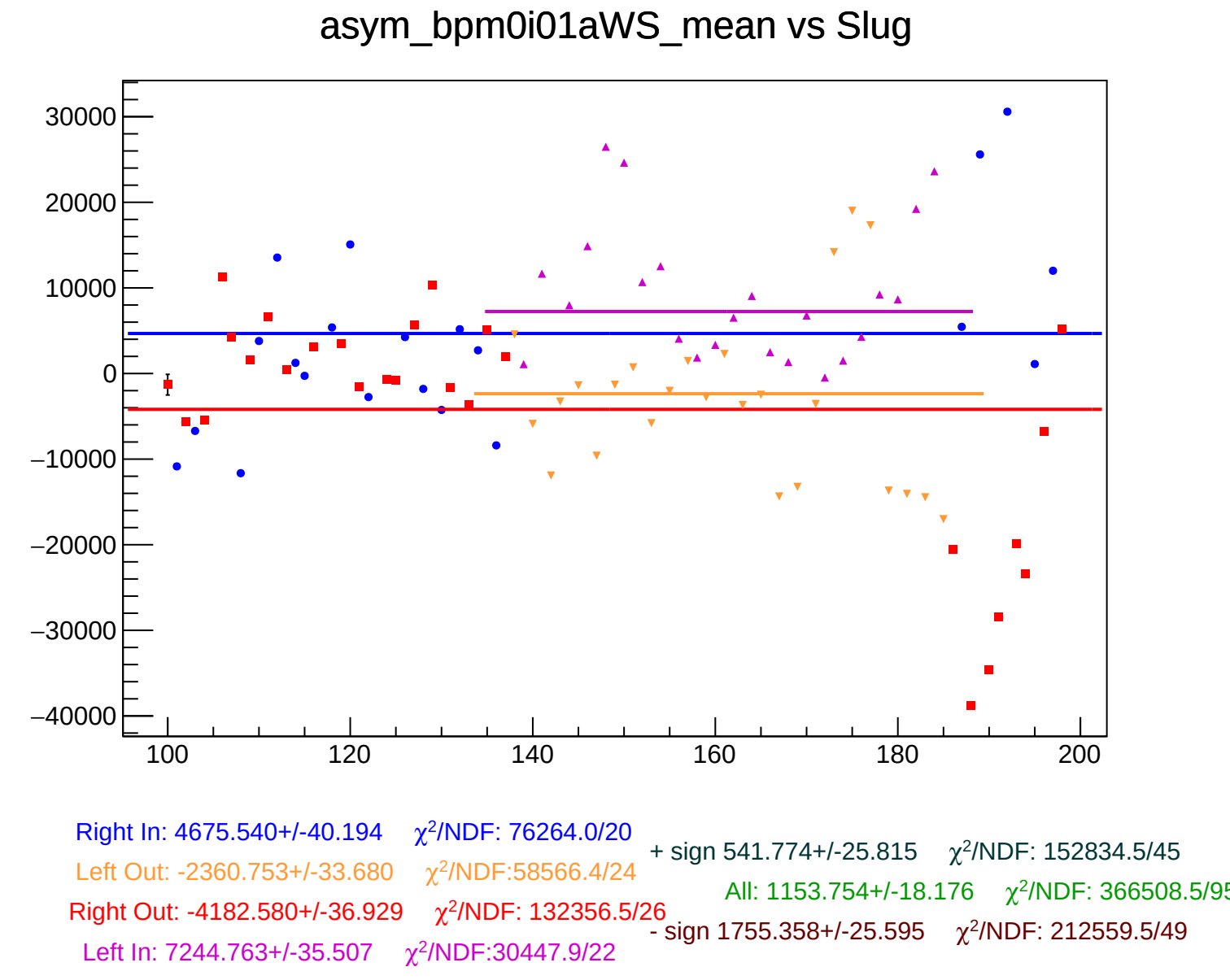
Right Out: 151.850+/-0.031 χ^2/NDF: 1150449.6/26

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

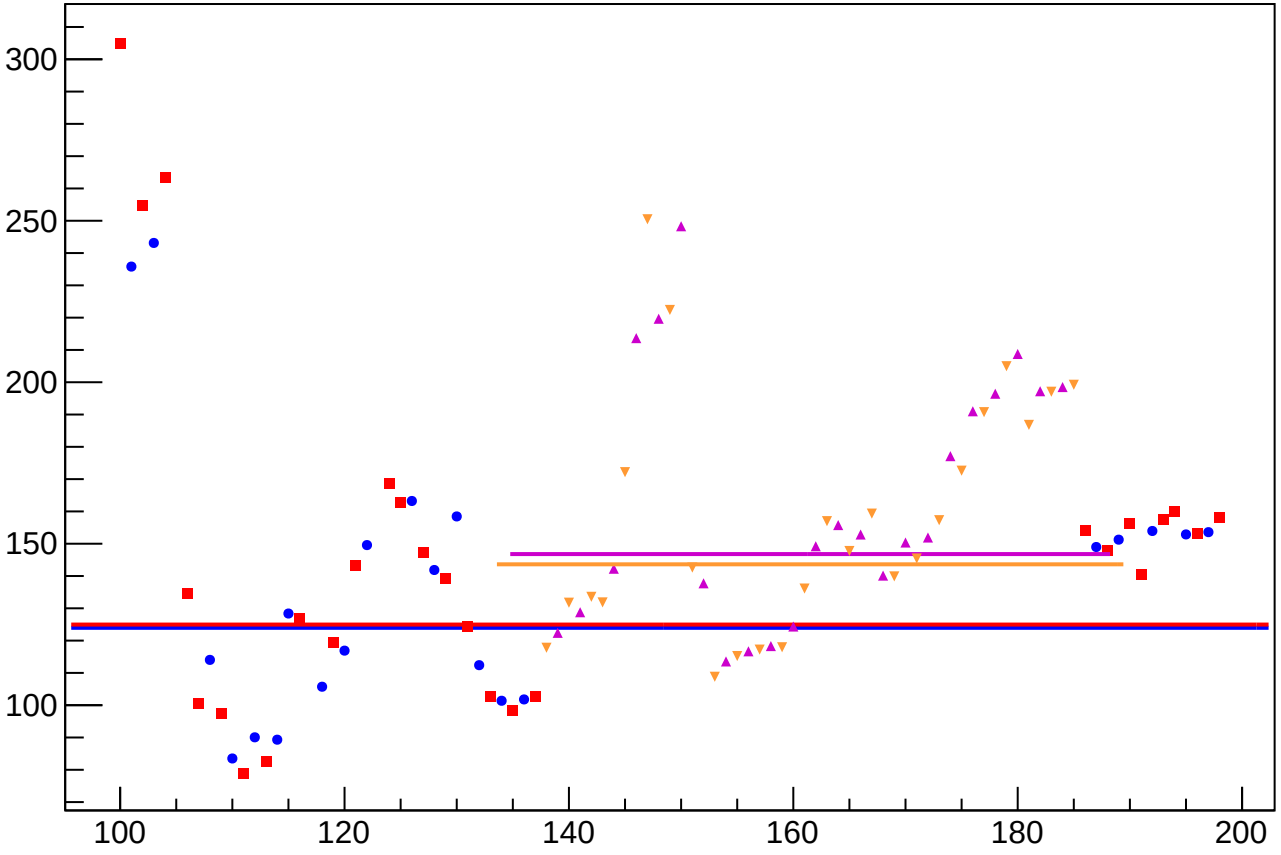
+ sign 157.154+/-0.021 χ^2/NDF: 2111699.6/45

All: 158.214+/-0.015 χ^2/NDF: 4549317.8/95

- sign 159.267+/-0.021 χ^2/NDF: 2432479.7/49


asym_bpm0i01aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 4675.540+/-40.194 χ²/NDF: 76264.0/20
Left Out: -2360.753+/-33.680 χ²/NDF:58566.4/24
Right Out: -4182.580+/-36.929 χ²/NDF: 132356.5/26
Left In: 7244.763+/-35.507 χ²/NDF:30447.9/22
+ sign 541.774+/-25.815 χ²/NDF: 152834.5/45
All: 1153.754+/-18.176 χ²/NDF: 366508.5/95
- sign 1755.358+/-25.595 χ²/NDF: 212559.5/49

asym_bpm0i01aWS_rms vs Slug



Right In: 123.964+/-0.028 χ^2/NDF: 1429754.0/20

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 124.968+/-0.026 χ^2/NDF: 1885195.7/26

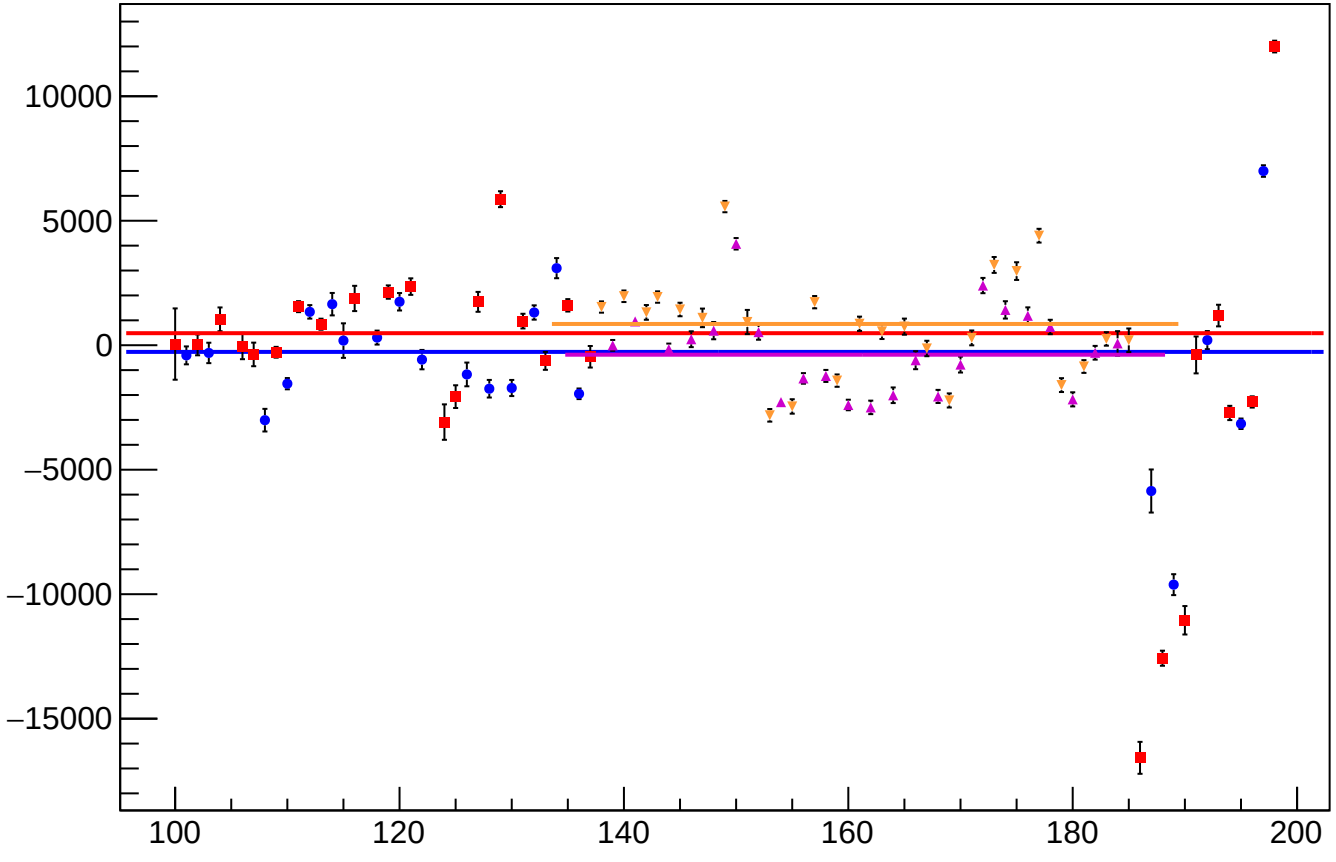
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 135.513+/-0.018 χ^2/NDF: 3373637.7/45

All: 135.914+/-0.013 χ^2/NDF: 7317323.7/95

- sign 136.309+/-0.018 χ^2/NDF: 3942727.8/49

asym_bpm0l01WS_mean vs Slug



Right In: -268.079+/-70.009 χ^2/NDF: 2070.4/20

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 483.575+/-63.963 χ^2/NDF: 6146.6/26

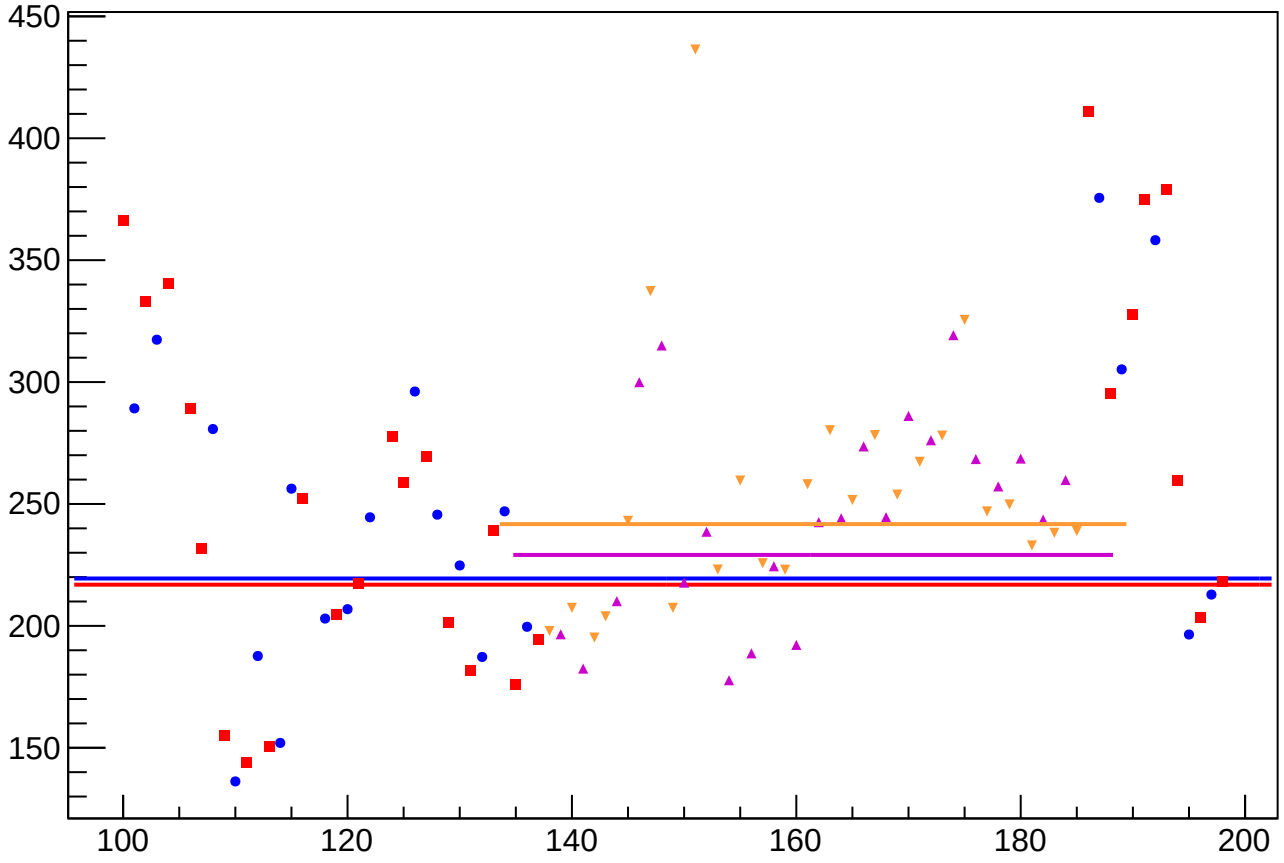
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 413.882+/-43.843 χ^2/NDF: 3670.4/45

All: 190.398+/-30.239 χ^2/NDF: 10953.7/95

- sign -12.369+/-41.762 χ^2/NDF: 7233.8/49

asym_bpm0l01WS_rms vs Slug



Right In: 219.431+/-0.050 χ^2/NDF: 1171043.5/20

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 216.897+/-0.045 χ^2/NDF: 1901140.4/26

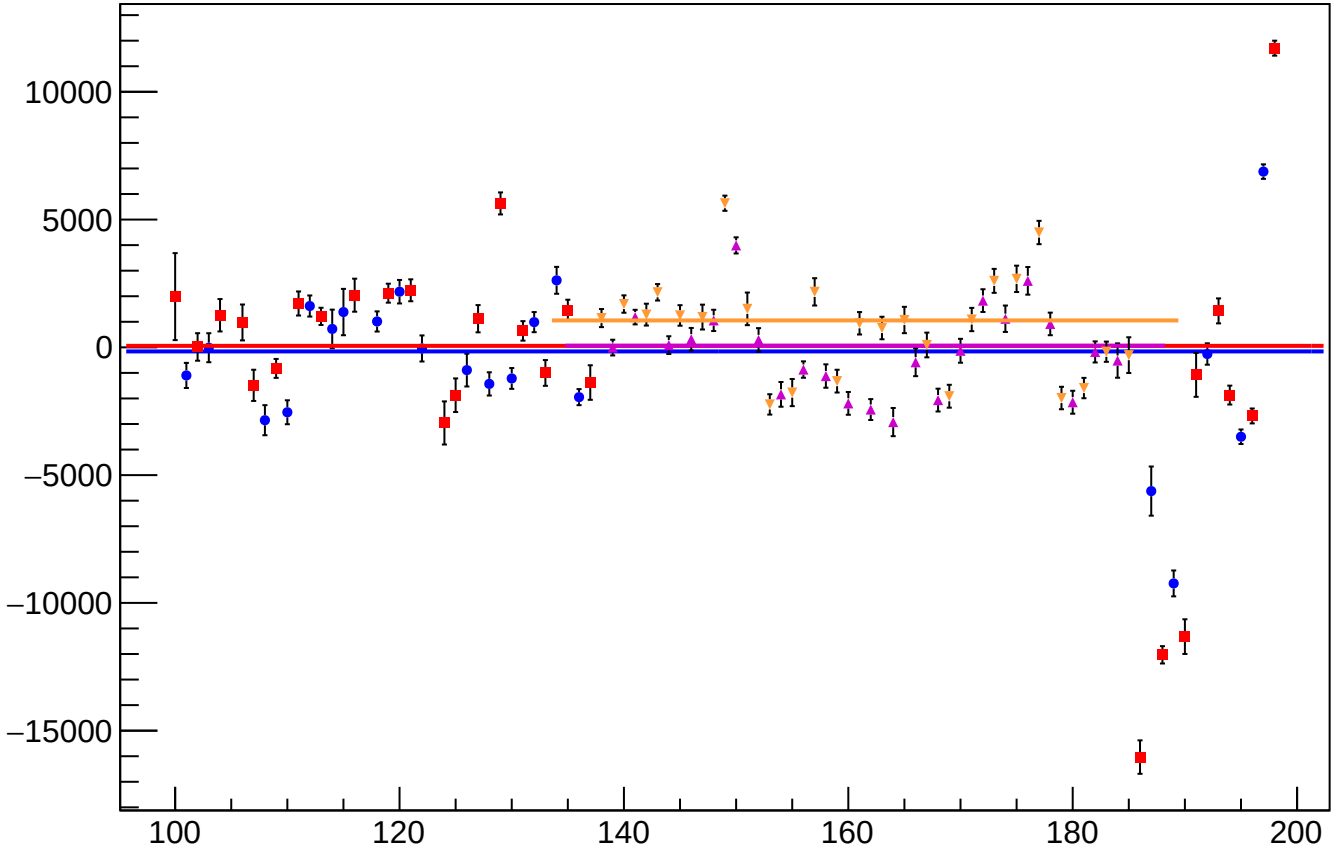
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.994+/-0.031 χ^2/NDF: 2280941.9/45

All: 228.226+/-0.021 χ^2/NDF: 5337939.5/95

- sign 223.900+/-0.030 χ^2/NDF: 3011884.3/49

asym_bpm0l02WS_mean vs Slug



Right In: -159.476+/-96.521 χ^2/NDF: 1296.3/20

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 58.513+/-88.532 χ^2/NDF: 4185.2/26

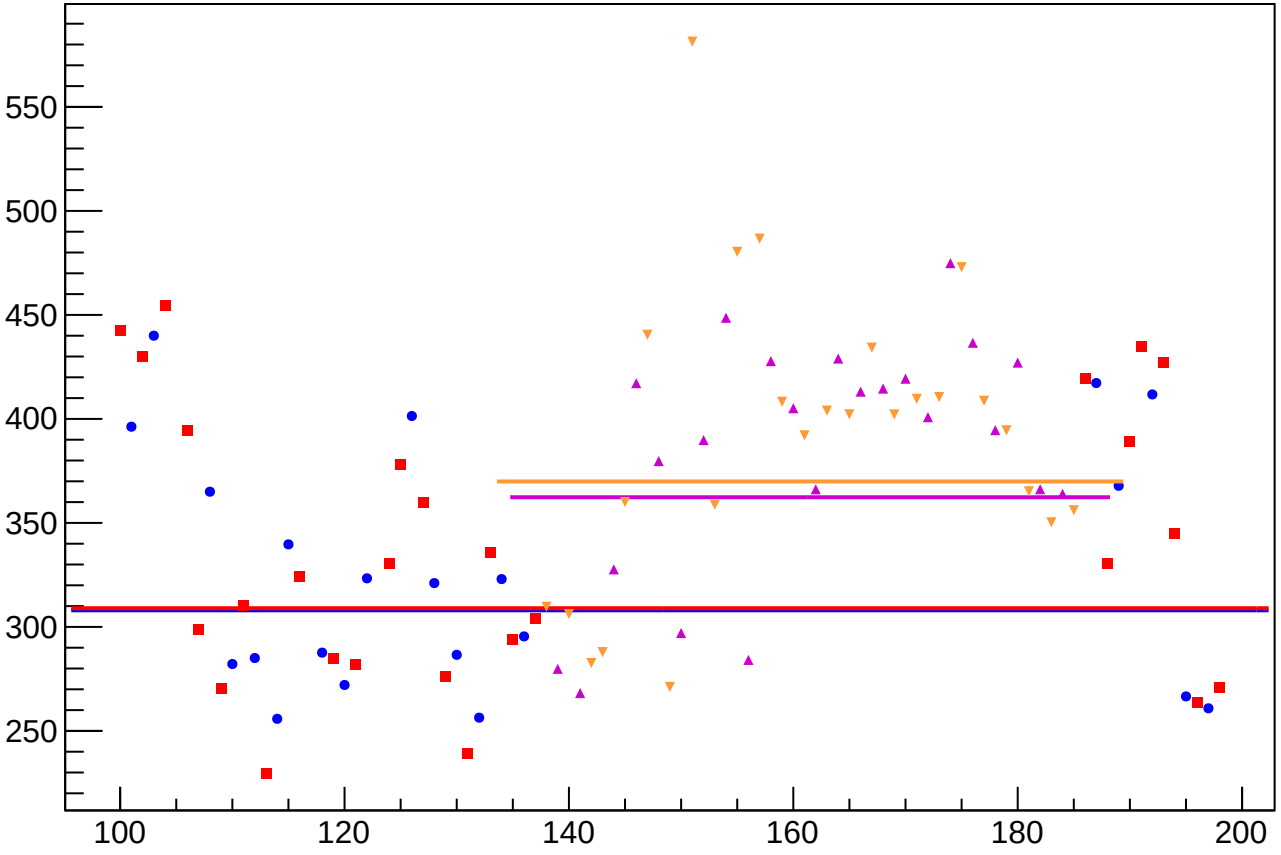
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 517.346+/-64.166 χ^2/NDF: 1999.0/45

All: 281.412+/-44.560 χ^2/NDF: 6604.8/95

- sign 61.645+/-61.929 χ^2/NDF: 4579.6/49

asym_bpm0l02WS_rms vs Slug



Right In: 307.989+/-0.068 χ^2/NDF: 597766.1/20

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 308.980+/-0.063 χ^2/NDF: 882085.1/26

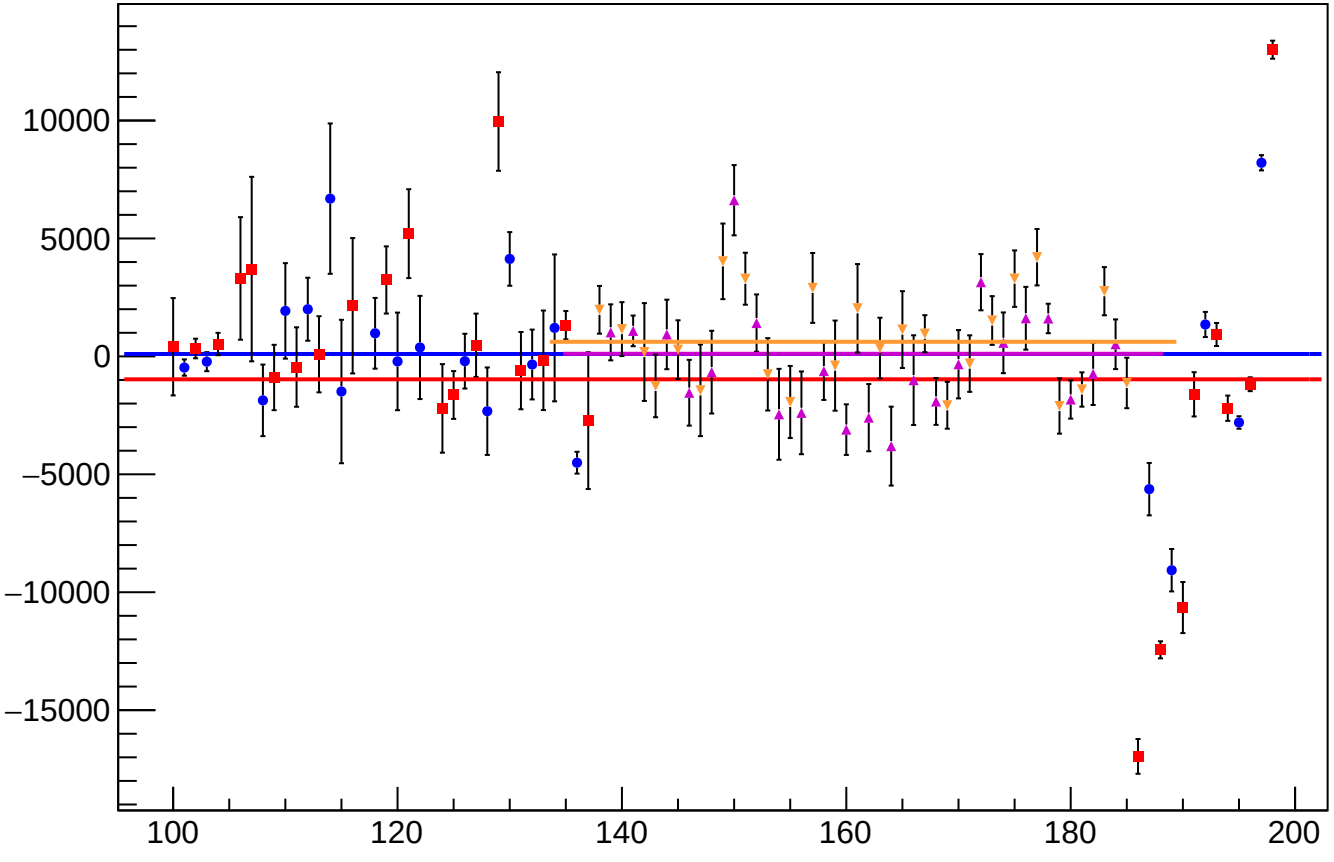
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 342.551+/-0.045 χ^2/NDF: 2287615.9/45

All: 339.279+/-0.032 χ^2/NDF: 4604188.1/95

- sign 336.231+/-0.044 χ^2/NDF: 2306524.9/49

asym_bpm0l03WS_mean vs Slug



Right In: 101.569+/-137.042 χ^2/NDF: 1013.3/20

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -972.176+/-133.601 χ^2/NDF: 3006.7/26

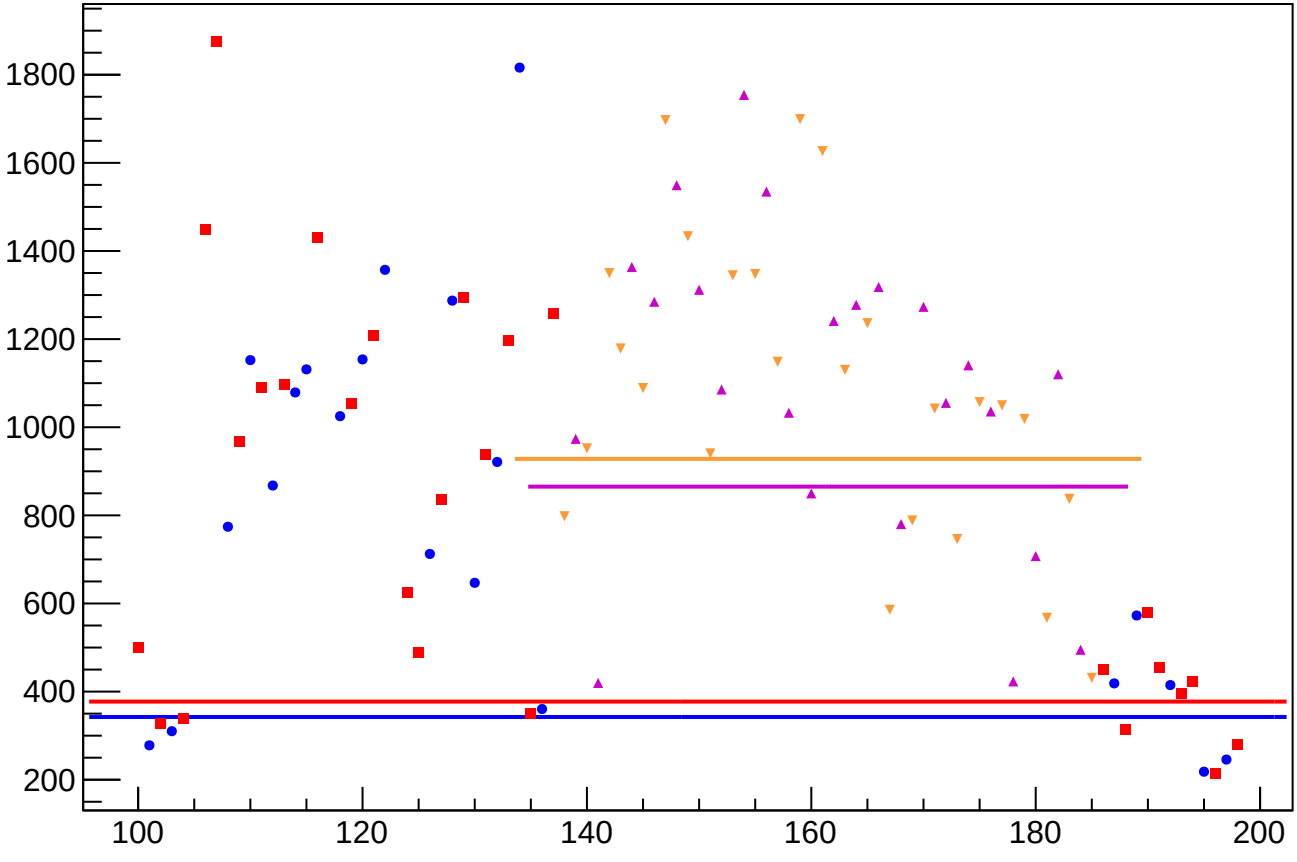
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 230.171+/-118.780 χ^2/NDF: 1082.6/45

All: -250.482+/-83.165 χ^2/NDF: 4208.9/95

- sign -712.707+/-116.480 χ^2/NDF: 3094.2/49

asym_bpm0l03WS_rms vs Slug



Right In: 342.413+/-0.097 χ^2/NDF: 4684426.7/20

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 377.340+/-0.094 χ^2/NDF: 5247369.0/26

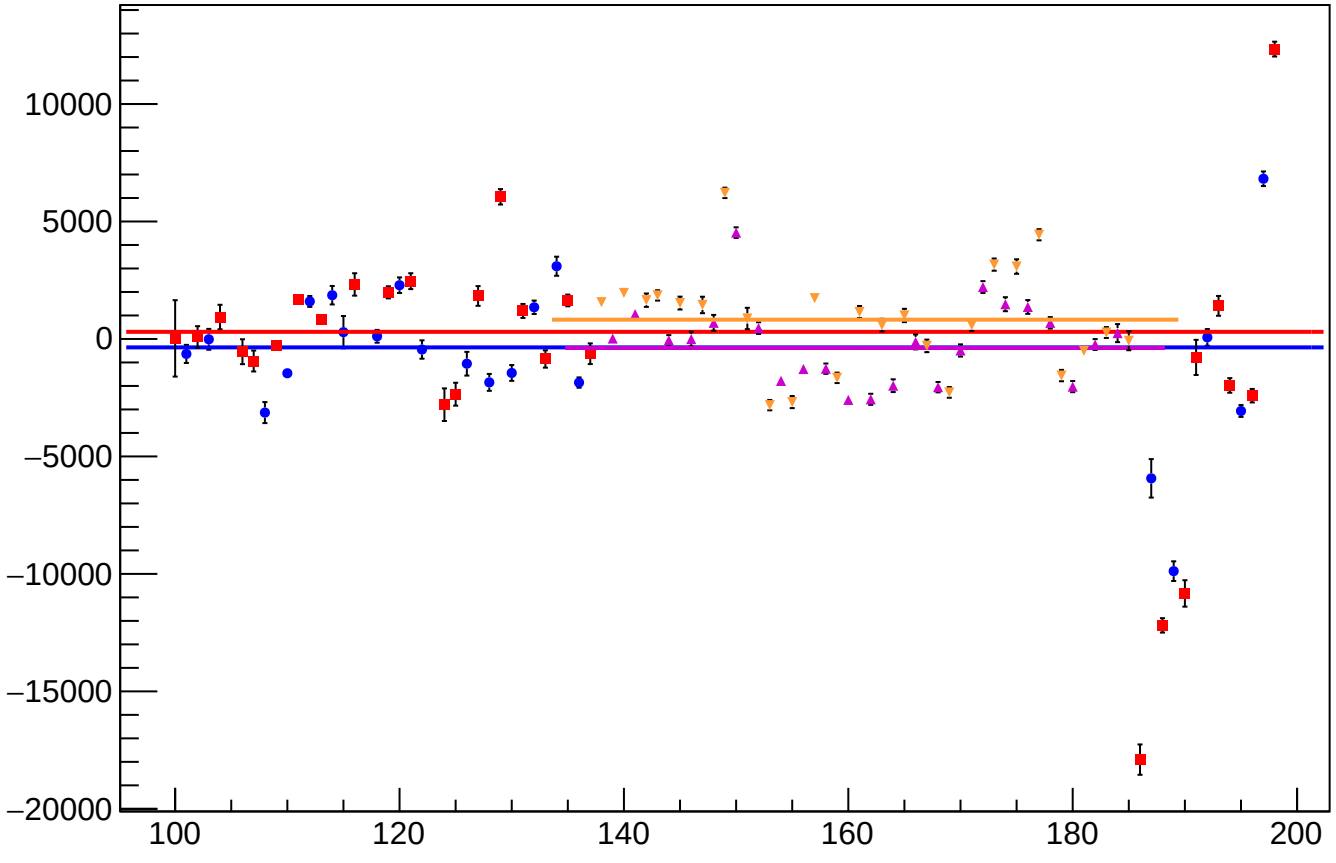
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 488.144+/-0.084 χ^2/NDF: 17070848.7/45

All: 491.318+/-0.059 χ^2/NDF: 33511408.1/95

- sign 494.370+/-0.082 χ^2/NDF: 16437758.3/49

asym_bpm0l04WS_mean vs Slug



Right In: -358.643+/-71.054 χ^2/NDF: 1637.4/20

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 303.266+/-64.086 χ^2/NDF: 5056.5/26

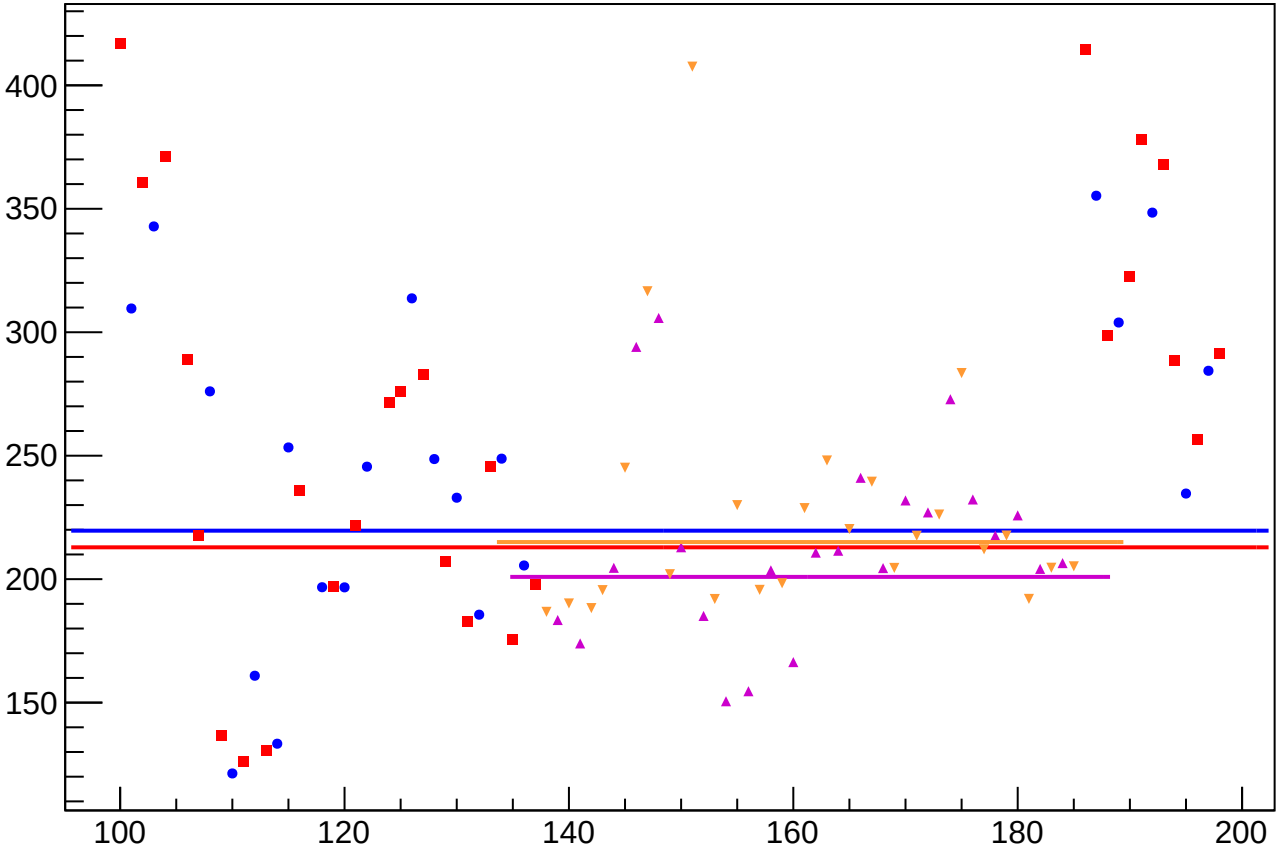
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

\+ sign 430.243+/-40.889 χ^2/NDF: 3812.5/45

All: 131.912+/-28.088 χ^2/NDF: 10296.4/95

\- sign -134.655+/-38.650 χ^2/NDF: 6383.2/49

asym_bpm0l04WS_rms vs Slug



Right In: 219.634+/-0.050 χ^2/NDF: 1653528.0/20

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 212.891+/-0.045 χ^2/NDF: 2834516.4/26

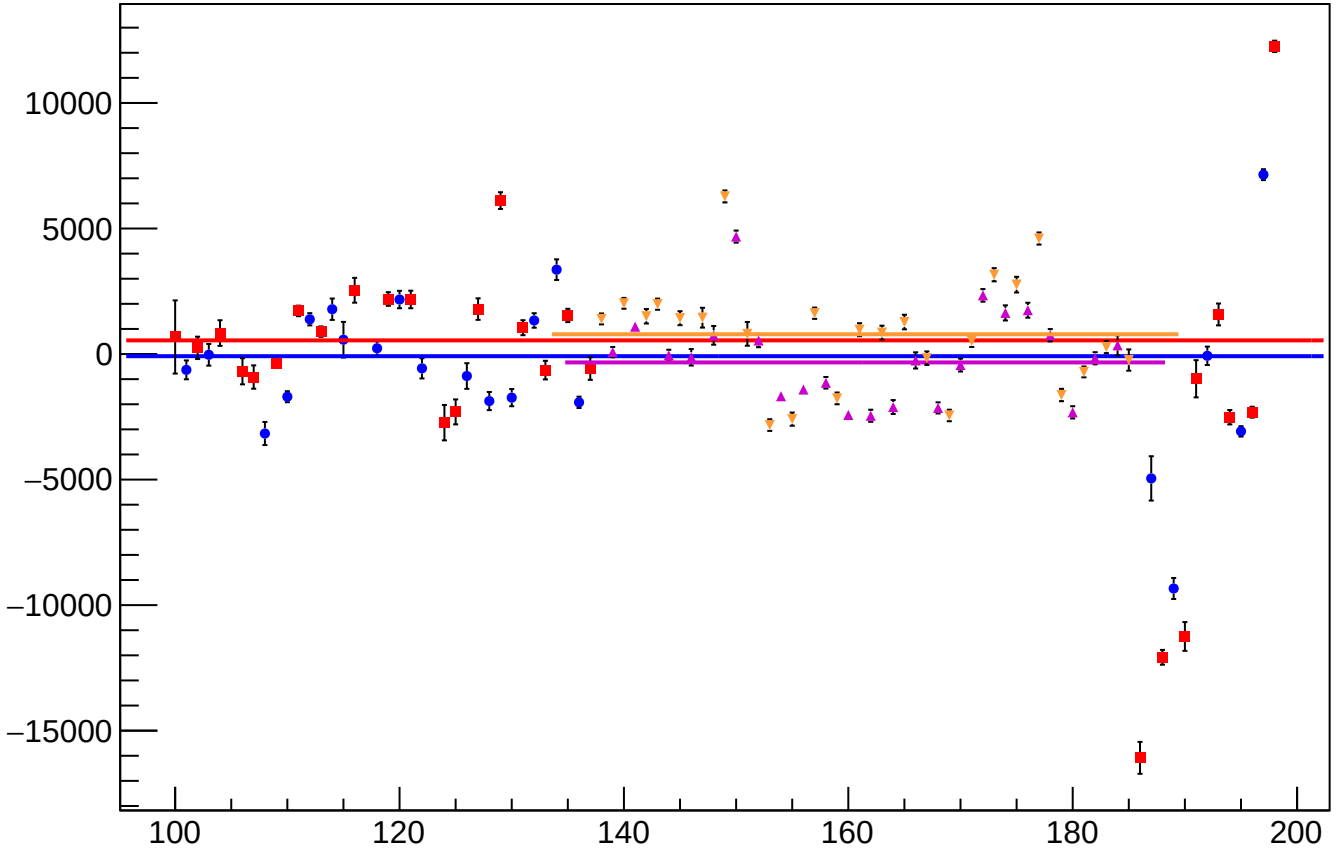
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 216.552+/-0.029 χ^2/NDF: 2556943.6/45

All: 210.595+/-0.020 χ^2/NDF: 6622113.7/95

- sign 205.272+/-0.027 χ^2/NDF: 3984781.8/49

asym_bpm0l05WS_mean vs Slug



Right In: -85.518+/-69.656 χ^2/NDF: 2254.6/20

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 544.651+/-63.221 χ^2/NDF: 6444.6/26

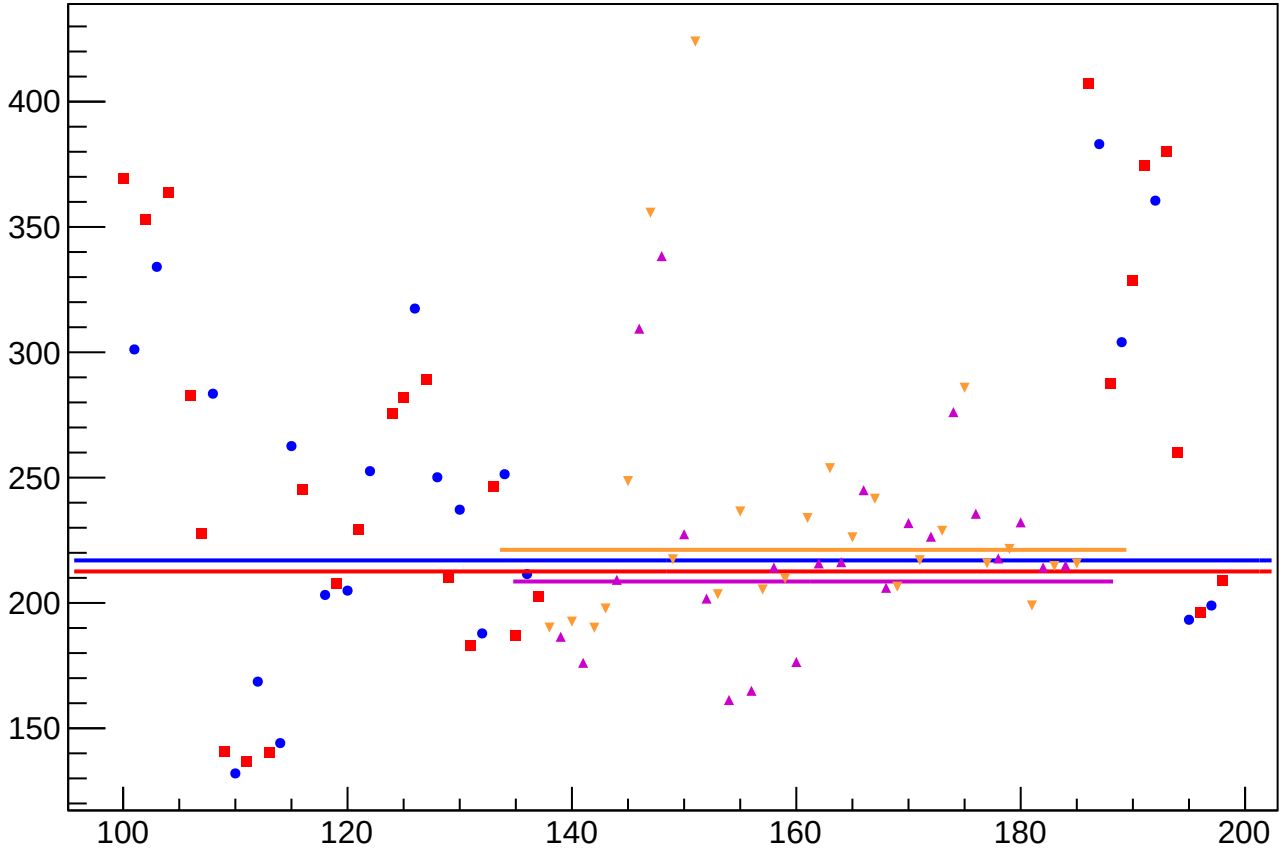
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 479.926+/-41.371 χ^2/NDF: 4246.6/45

All: 230.946+/-28.498 χ^2/NDF: 12093.6/95

- sign 6.148+/-39.311 χ^2/NDF: 7778.1/49

asym_bpm0l05WS_rms vs Slug



Right In: 216.971+/-0.049 χ^2/NDF: 1398058.8/20

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 212.569+/-0.045 χ^2/NDF: 2247558.3/26

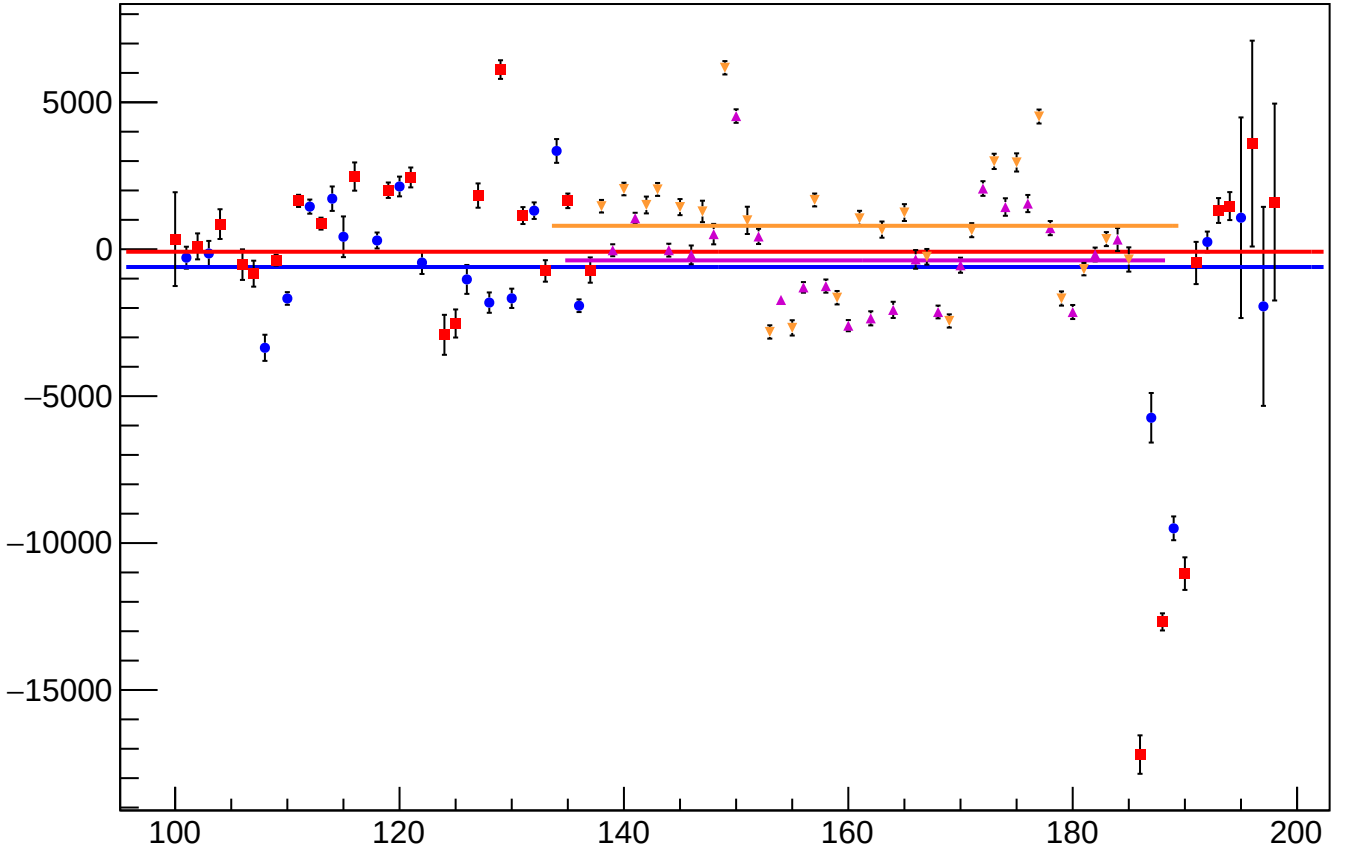
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.698+/-0.029 χ^2/NDF: 2342318.1/45

All: 214.658+/-0.020 χ^2/NDF: 5686941.3/95

- sign 210.108+/-0.028 χ^2/NDF: 3288138.6/49

asym_bpm0l06WS_mean vs Slug



Right In: -605.446+/-76.455 χ^2/NDF: 976.9/20

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -85.695+/-68.157 χ^2/NDF: 3731.5/26

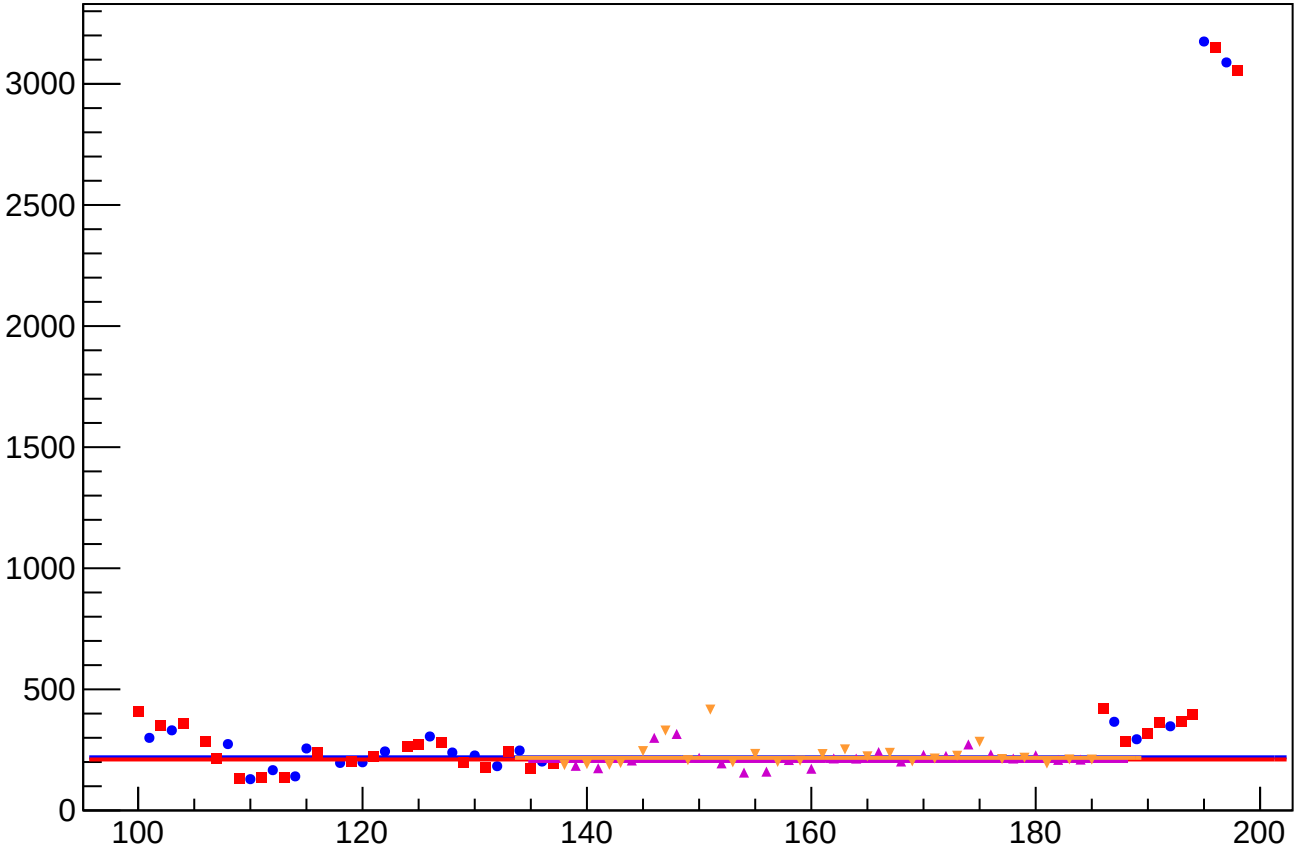
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.385+/-42.135 χ^2/NDF: 3172.2/45

All: 28.381+/-28.965 χ^2/NDF: 8242.8/95

- sign -278.947+/-39.883 χ^2/NDF: 4944.9/49

asym_bpm0l06WS_rms vs Slug



Right In: 219.441+/-0.054 χ^2/NDF: 4264978.2/20

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 210.498+/-0.048 χ^2/NDF: 5465309.5/26

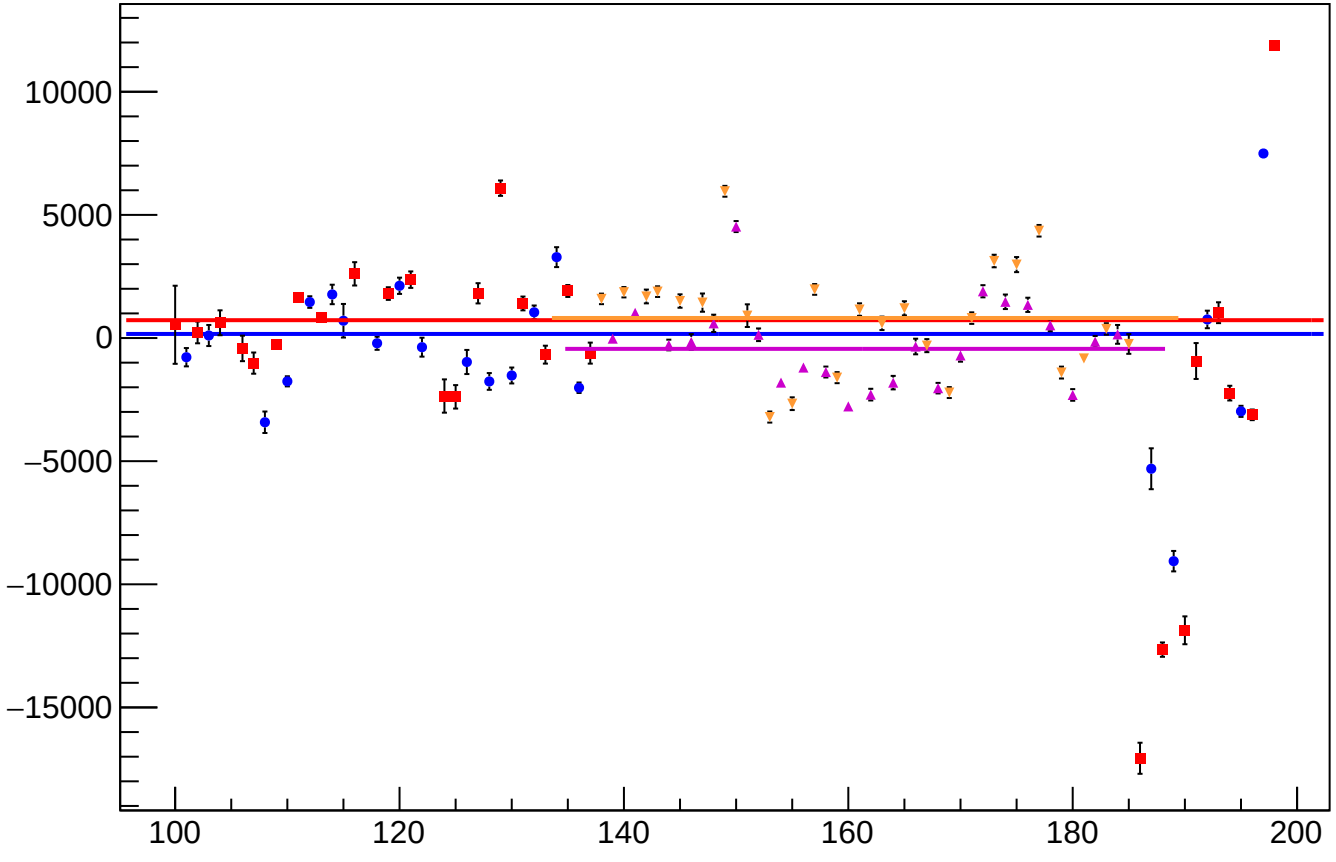
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 217.897+/-0.030 χ^2/NDF: 5176593.2/45

All: 211.848+/-0.020 χ^2/NDF: 11745967.9/95

- sign 206.427+/-0.028 χ^2/NDF: 6491204.4/49

asym_bpm0l07WS_mean vs Slug



Right In: 165.815+/-66.751 χ^2/NDF: 2704.4/20

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 724.802+/-59.901 χ^2/NDF: 7587.0/26

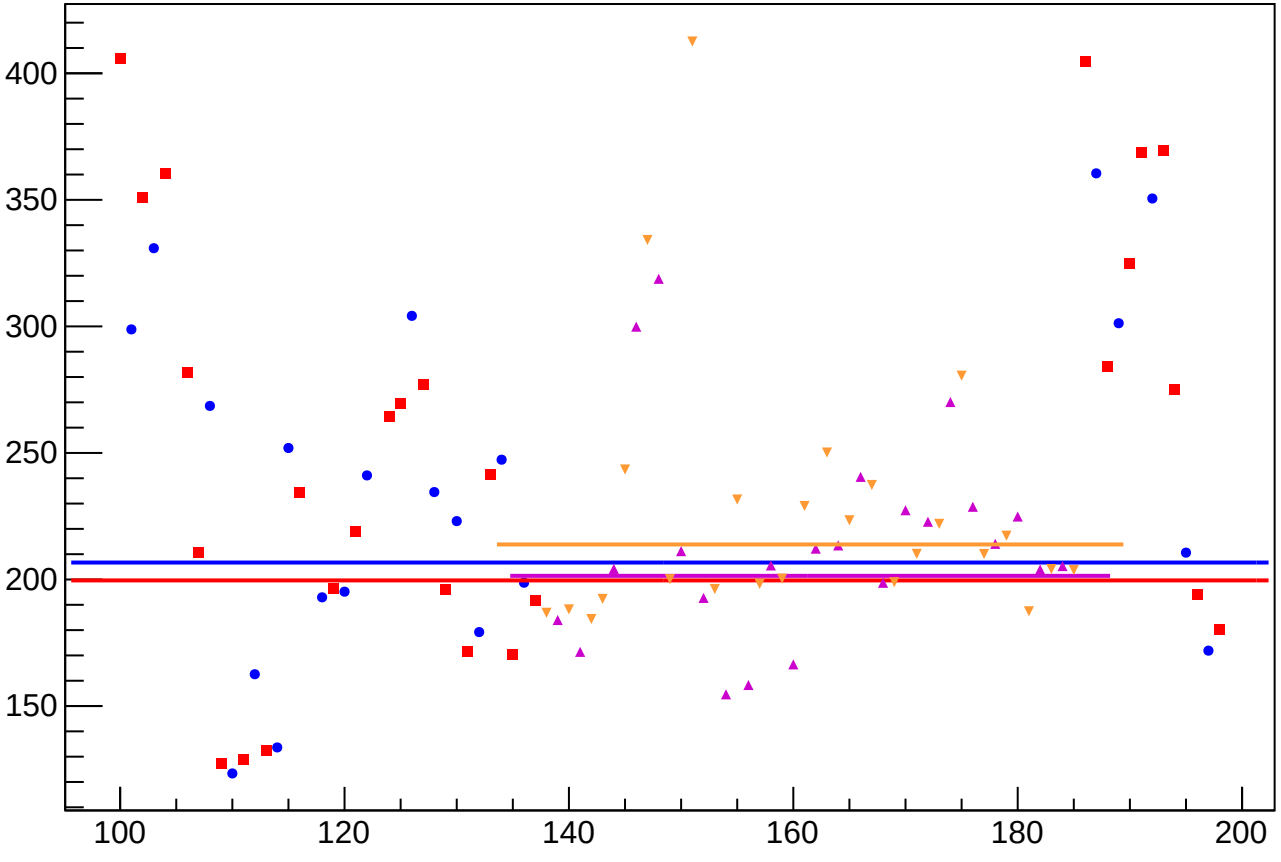
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 582.642+/-39.895 χ^2/NDF: 4765.4/45

All: 286.469+/-27.405 χ^2/NDF: 13919.9/95

- sign 21.842+/-37.710 χ^2/NDF: 9050.1/49

asym_bpm0l07WS_rms vs Slug



Right In: 206.703+/-0.047 χ^2/NDF: 1537423.0/20

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 199.638+/-0.042 χ^2/NDF: 2619470.1/26

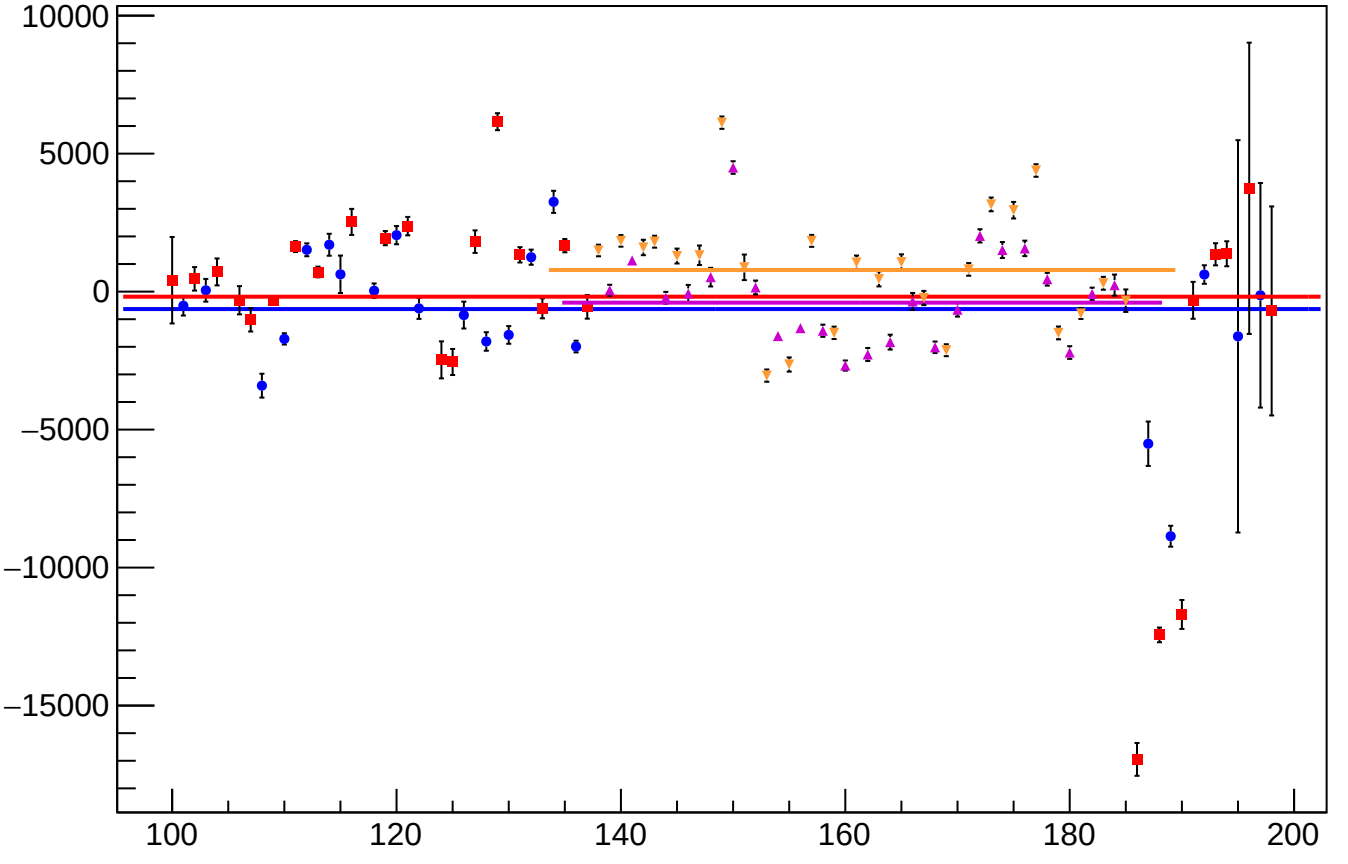
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 211.296+/-0.028 χ^2/NDF: 2515735.8/45

All: 205.715+/-0.019 χ^2/NDF: 6272377.4/95

- sign 200.729+/-0.027 χ^2/NDF: 3682541.9/49

asym_bpm0l08WS_mean vs Slug



Right In: -632.143+/-74.049 χ^2/NDF: 992.5/20

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -183.652+/-65.466 χ^2/NDF: 4272.5/26

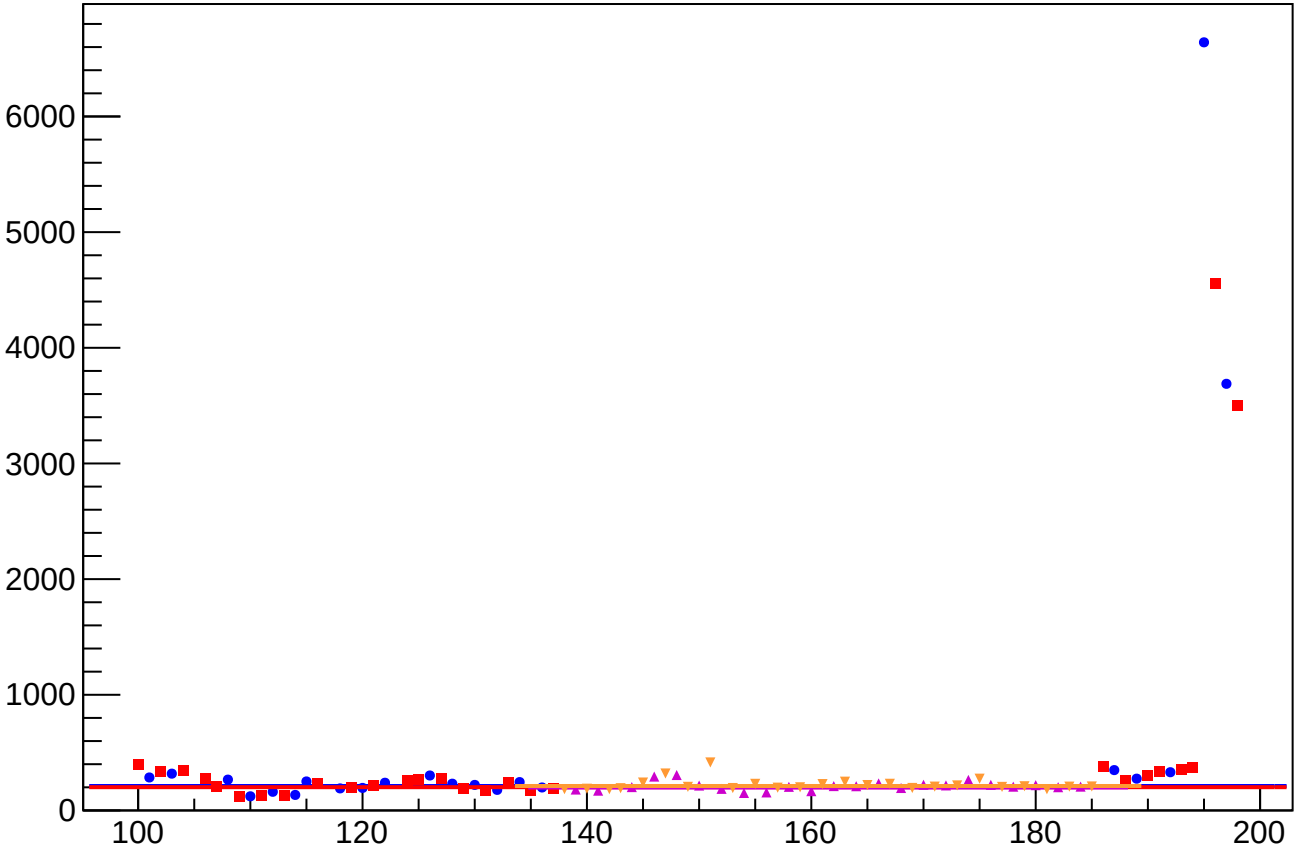
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 349.189+/-40.979 χ^2/NDF: 3246.9/45

All: -7.700+/-28.103 χ^2/NDF: 8901.7/95

- sign -324.598+/-38.615 χ^2/NDF: 5511.6/49

asym_bpm0l08WS_rms vs Slug



Right In: 211.327+/-0.052 χ^2/NDF: 4427360.1/20

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 201.180+/-0.046 χ^2/NDF: 5466397.6/26

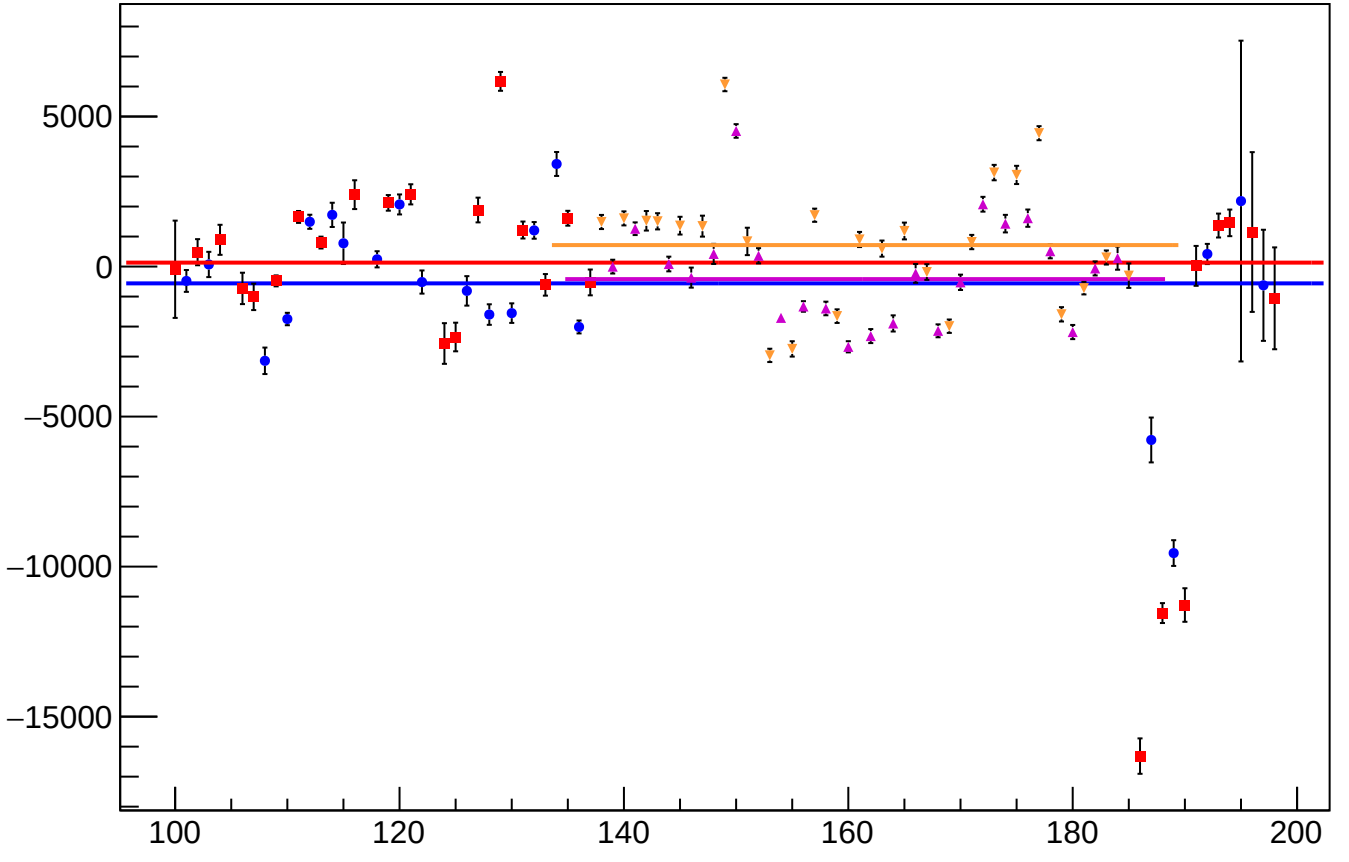
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 211.444+/-0.029 χ^2/NDF: 5362345.6/45

All: 205.090+/-0.020 χ^2/NDF: 11928124.8/95

- sign 199.448+/-0.027 χ^2/NDF: 6475001.9/49

asym_bpm0l09WS_mean vs Slug



Right In: -560.457+/-75.225 χ^2/NDF: 953.3/20

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 131.043+/-67.241 χ^2/NDF: 3159.1/26

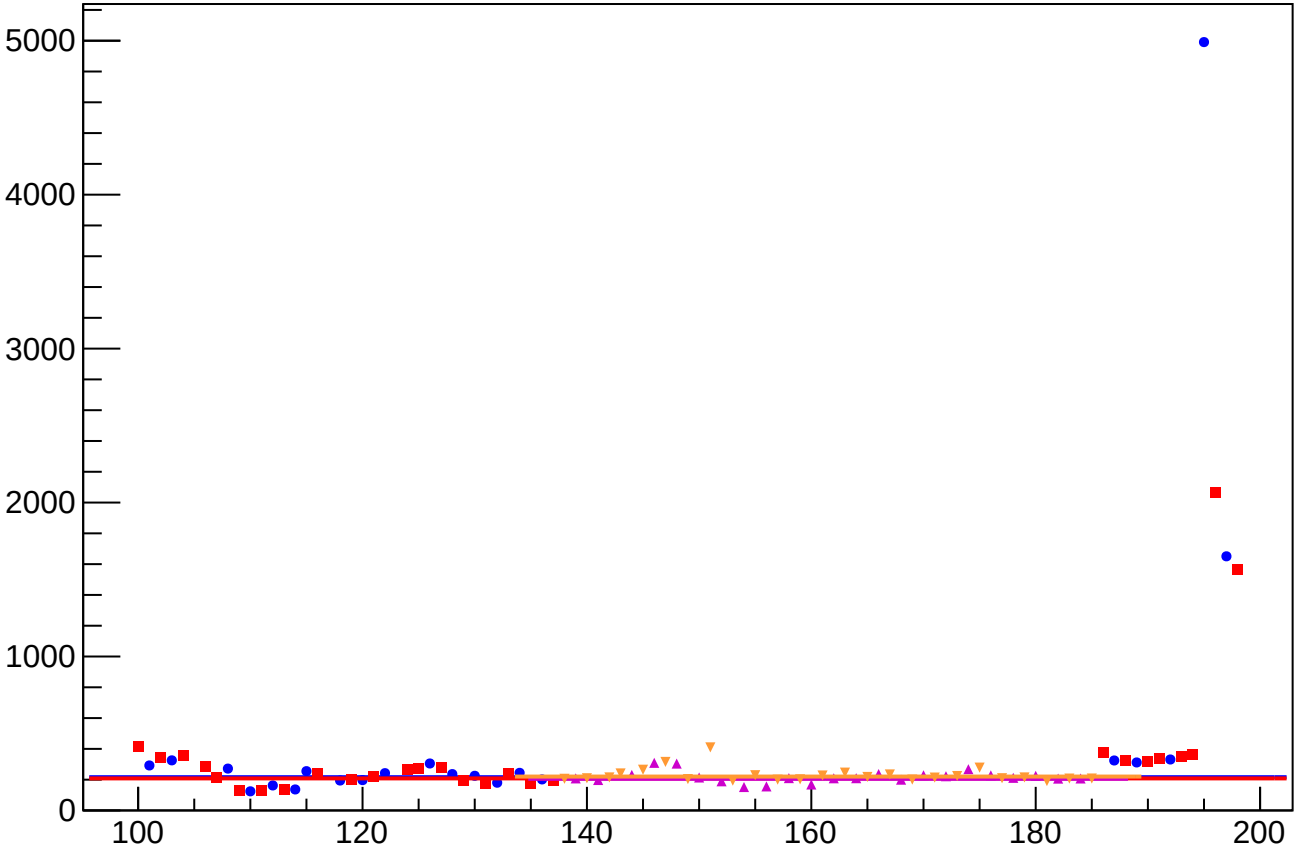
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 312.612+/-42.275 χ^2/NDF: 3068.2/45

All: 27.963+/-29.007 χ^2/NDF: 7597.2/95

- sign -225.285+/-39.875 χ^2/NDF: 4443.4/49

asym_bpm0l09WS_rms vs Slug



Right In: 216.148+/-0.053 χ^2/NDF: 4162486.5/20

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 208.193+/-0.048 χ^2/NDF: 4939082.2/26

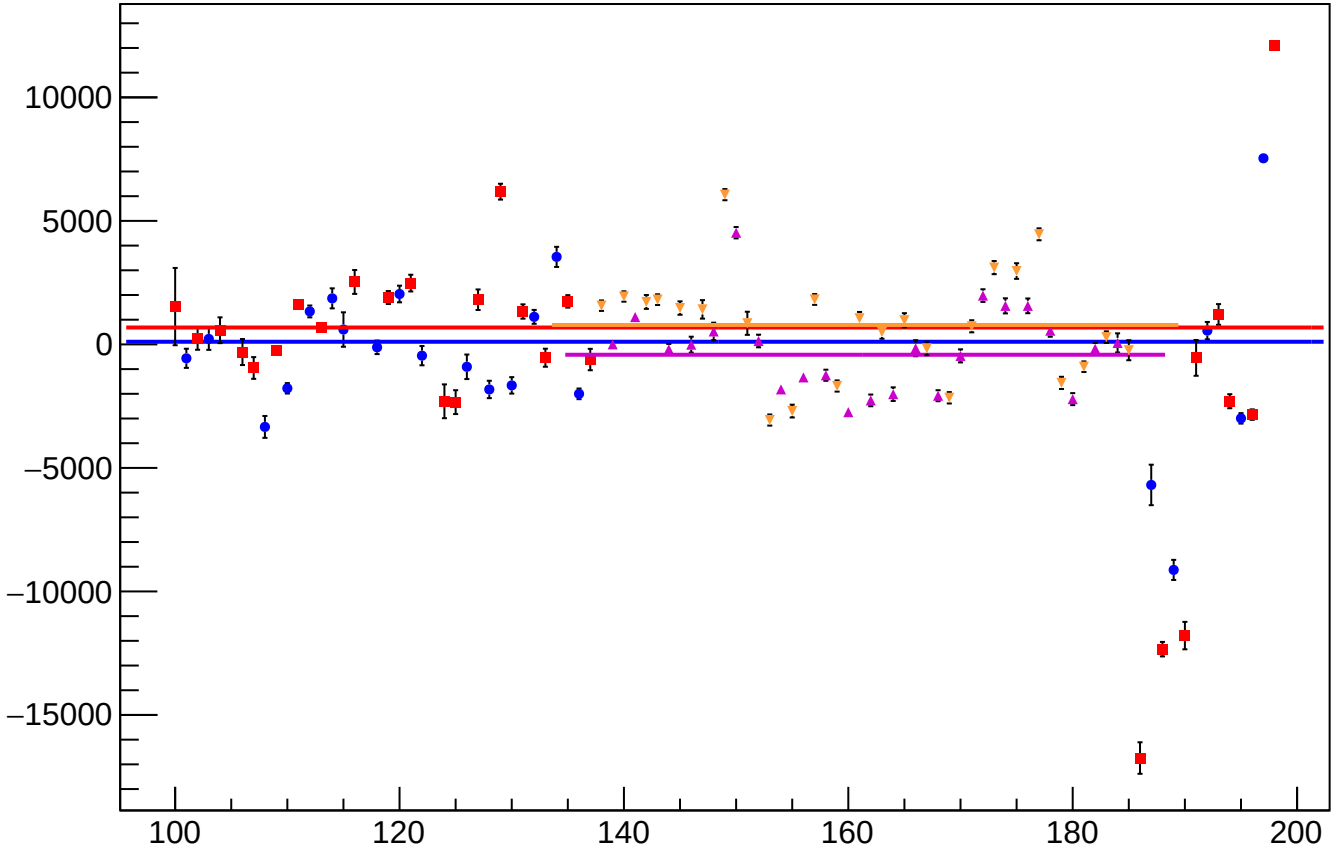
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 218.882+/-0.030 χ^2/NDF: 4966049.5/45

All: 212.295+/-0.021 χ^2/NDF: 11012959.6/95

- sign 206.435+/-0.028 χ^2/NDF: 5955156.2/49

asym_bpm0l10WS_mean vs Slug



Right In: 107.354+/-67.525 χ^2/NDF: 2712.9/20

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 684.124+/-60.928 χ^2/NDF: 7292.9/26

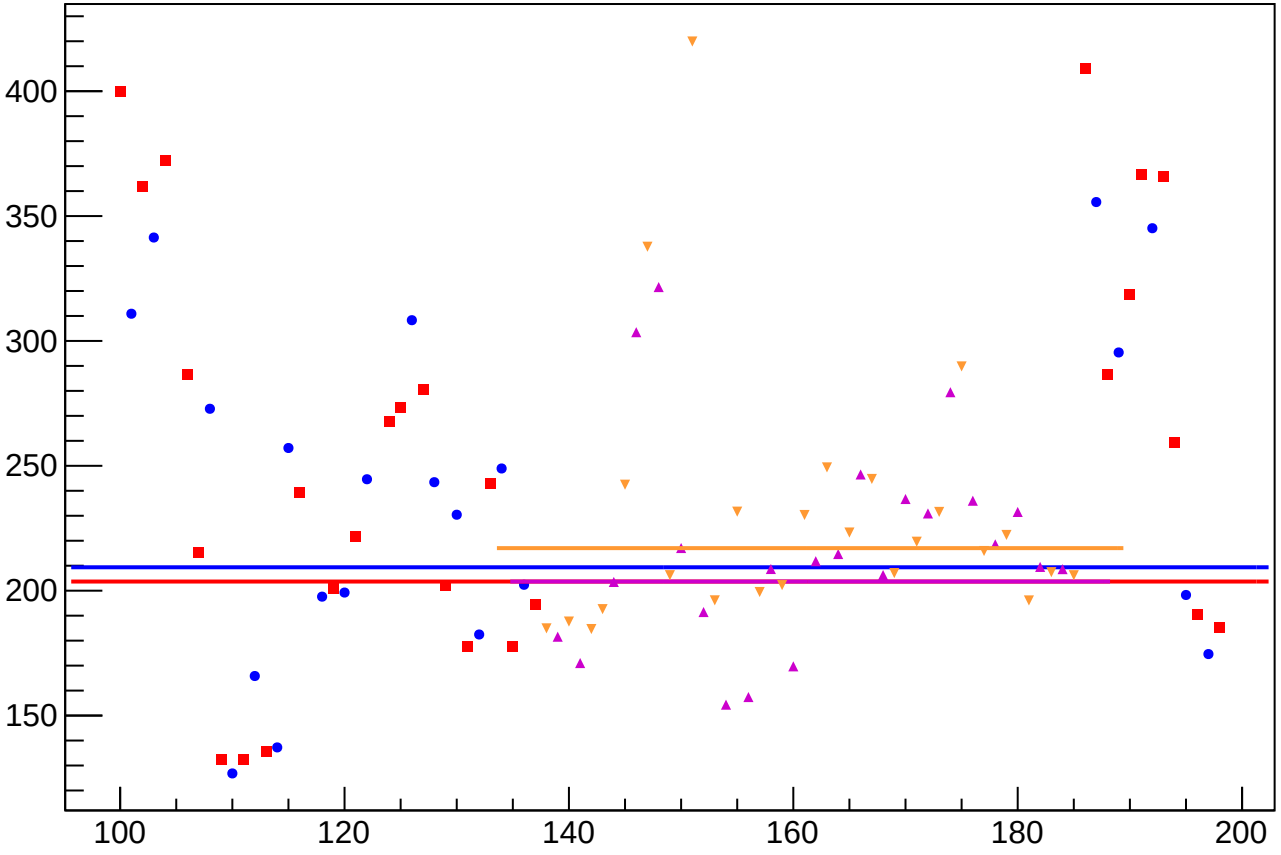
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 543.020+/-40.454 χ^2/NDF: 4715.4/45

All: 264.798+/-27.795 χ^2/NDF: 13507.4/95

- sign 15.994+/-38.255 χ^2/NDF: 8702.4/49

asym_bpm0l10WS_rms vs Slug



Right In: 209.374+/-0.048 χ^2/NDF: 1490871.2/20

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 203.664+/-0.043 χ^2/NDF: 2461402.1/26

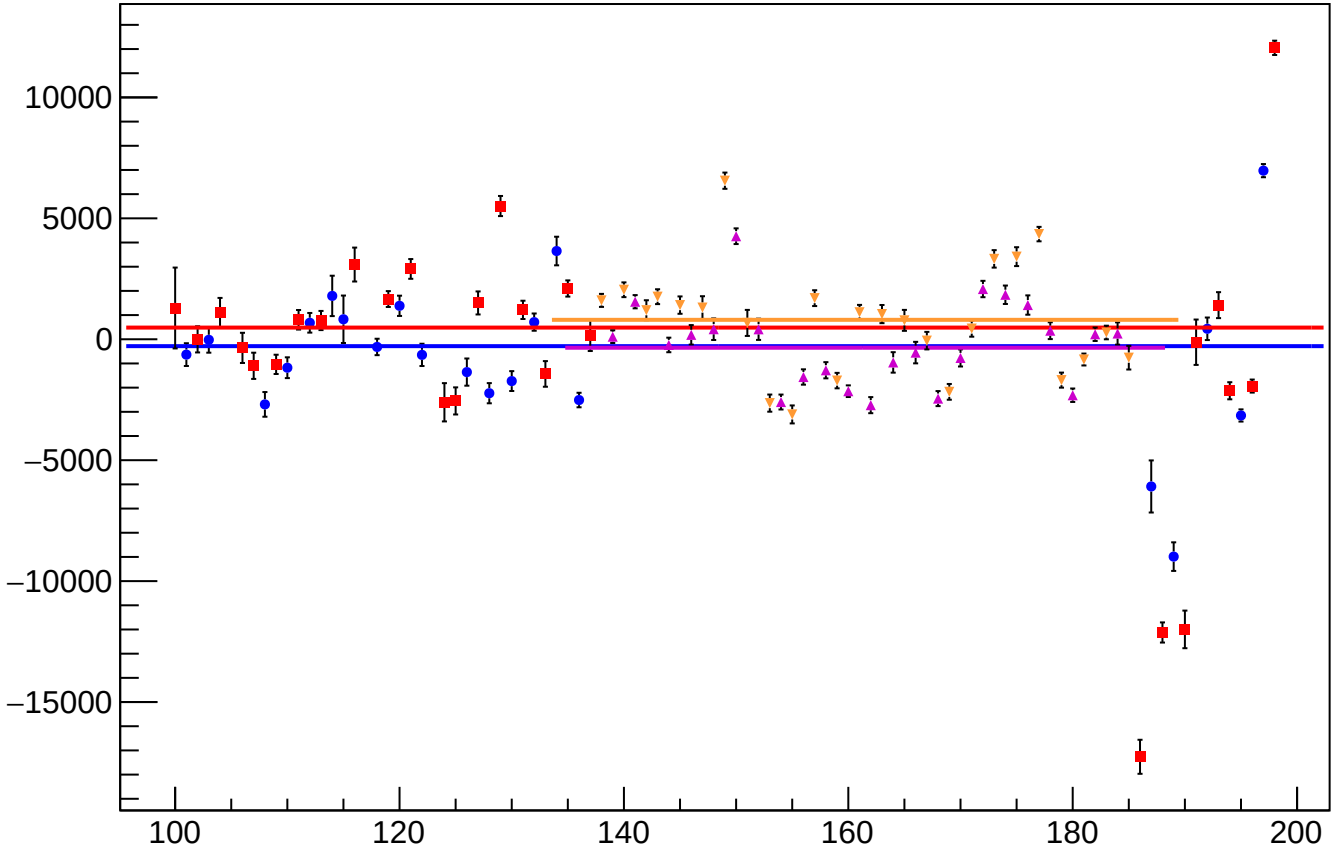
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 214.289+/-0.029 χ^2/NDF: 2490567.5/45

All: 208.679+/-0.020 χ^2/NDF: 6190162.3/95

- sign 203.662+/-0.027 χ^2/NDF: 3626736.9/49

asym_bpm0r03WS_mean vs Slug



Right In: -284.589+/-91.609 χ^2/NDF: 1288.8/20

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 483.095+/-86.854 χ^2/NDF: 3802.9/26

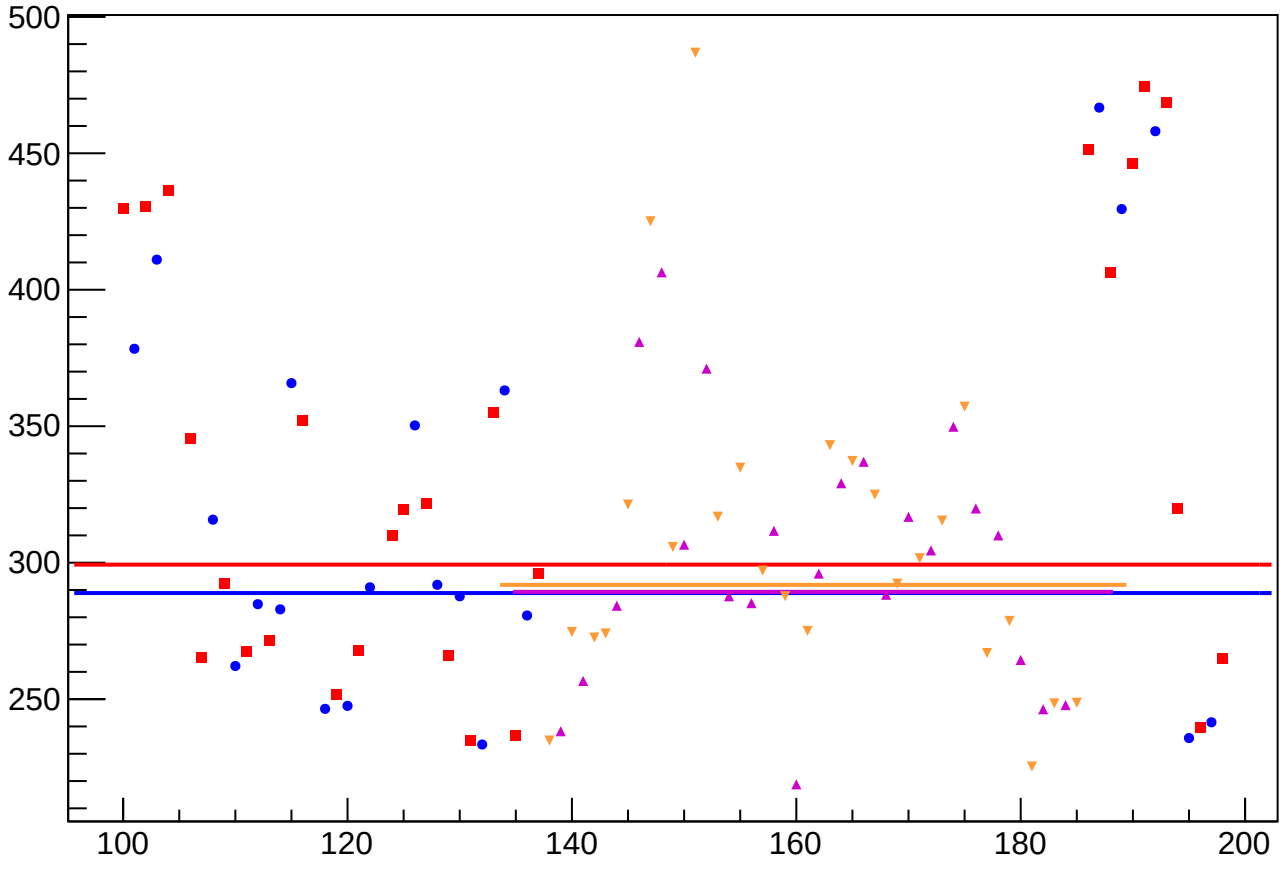
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 419.371+/-54.442 χ^2/NDF: 2437.7/45

All: 194.041+/-38.346 χ^2/NDF: 6987.1/95

- sign -27.799+/-54.019 χ^2/NDF: 4515.4/49

asym_bpm0r03WS_rms vs Slug



Right In: 288.879+/-0.065 χ^2/NDF: 941385.7/20

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 299.285+/-0.061 χ^2/NDF: 1206598.1/26

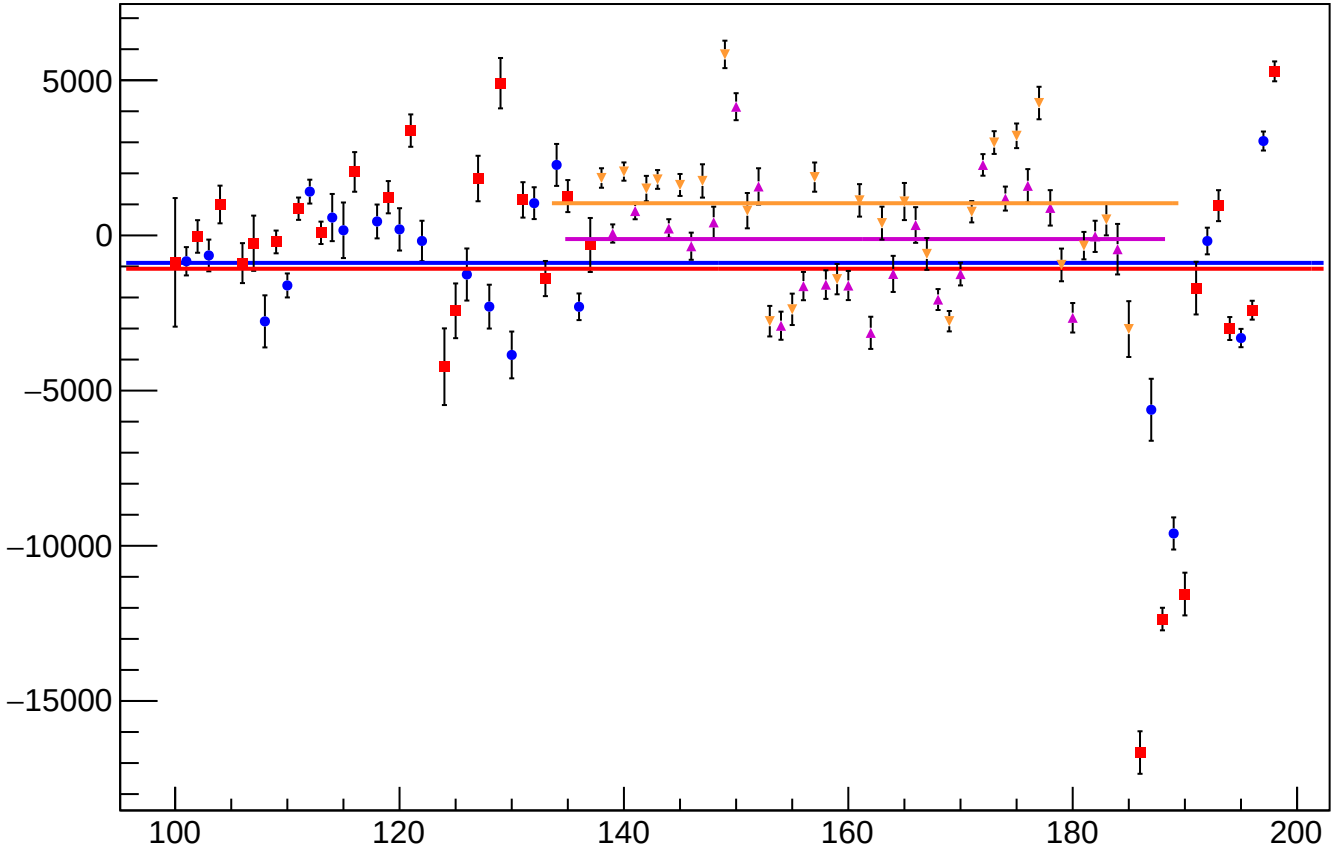
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 290.822+/-0.038 χ^2/NDF: 1902695.2/45

All: 292.008+/-0.027 χ^2/NDF: 3935922.3/95

- sign 293.175+/-0.038 χ^2/NDF: 2031343.8/49

asym_bpm0r05WS_mean vs Slug



Right In: -884.838+/-109.570 χ^2/NDF: 666.2/20

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1073.992+/-97.768 χ^2/NDF: 2464.6/26

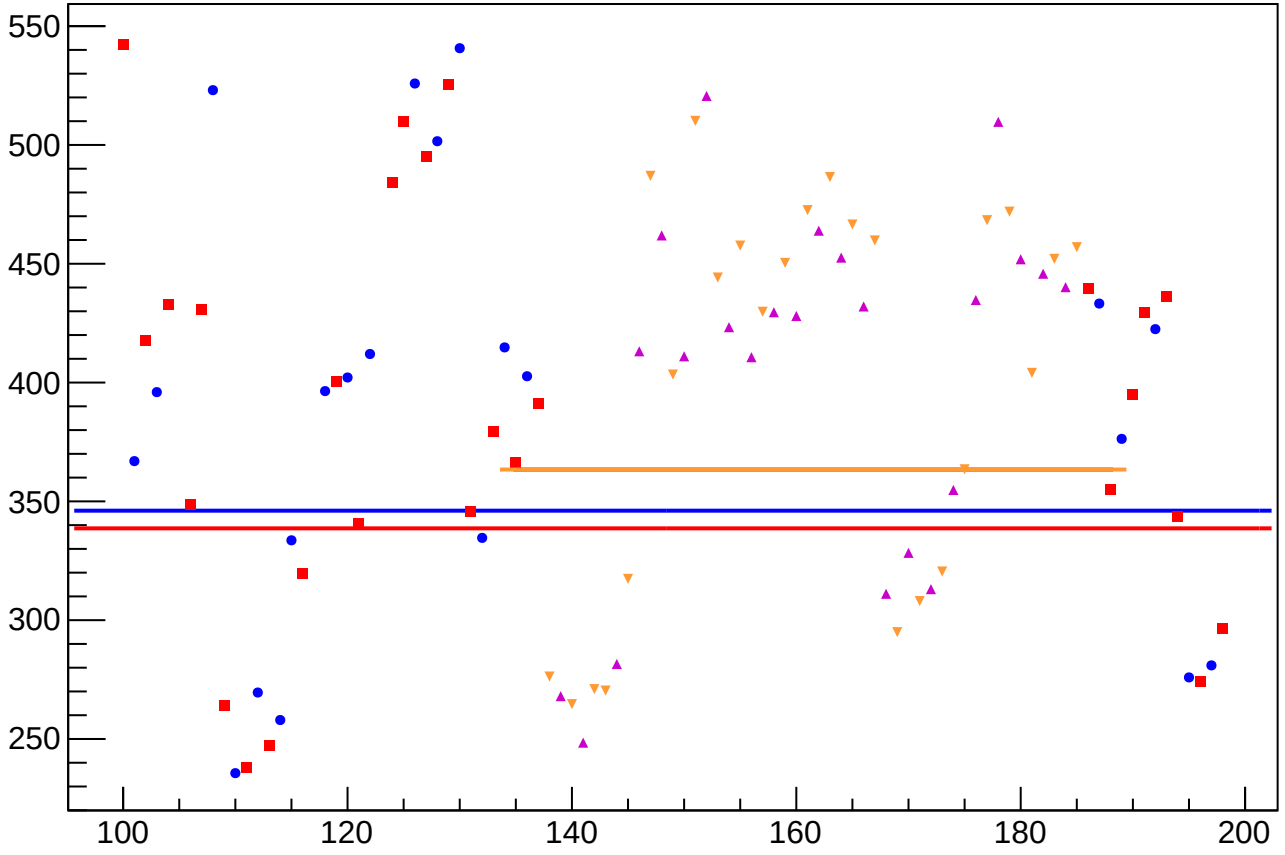
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 313.041+/-67.259 χ^2/NDF: 1428.2/45

All: -128.142+/-46.809 χ^2/NDF: 4399.9/95

- sign -542.529+/-65.185 χ^2/NDF: 2888.2/49

asym_bpm0r05WS_rms vs Slug



Right In: 346.085+/-0.077 χ^2/NDF: 1100728.8/20

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 338.644+/-0.069 χ^2/NDF: 1141719.2/26

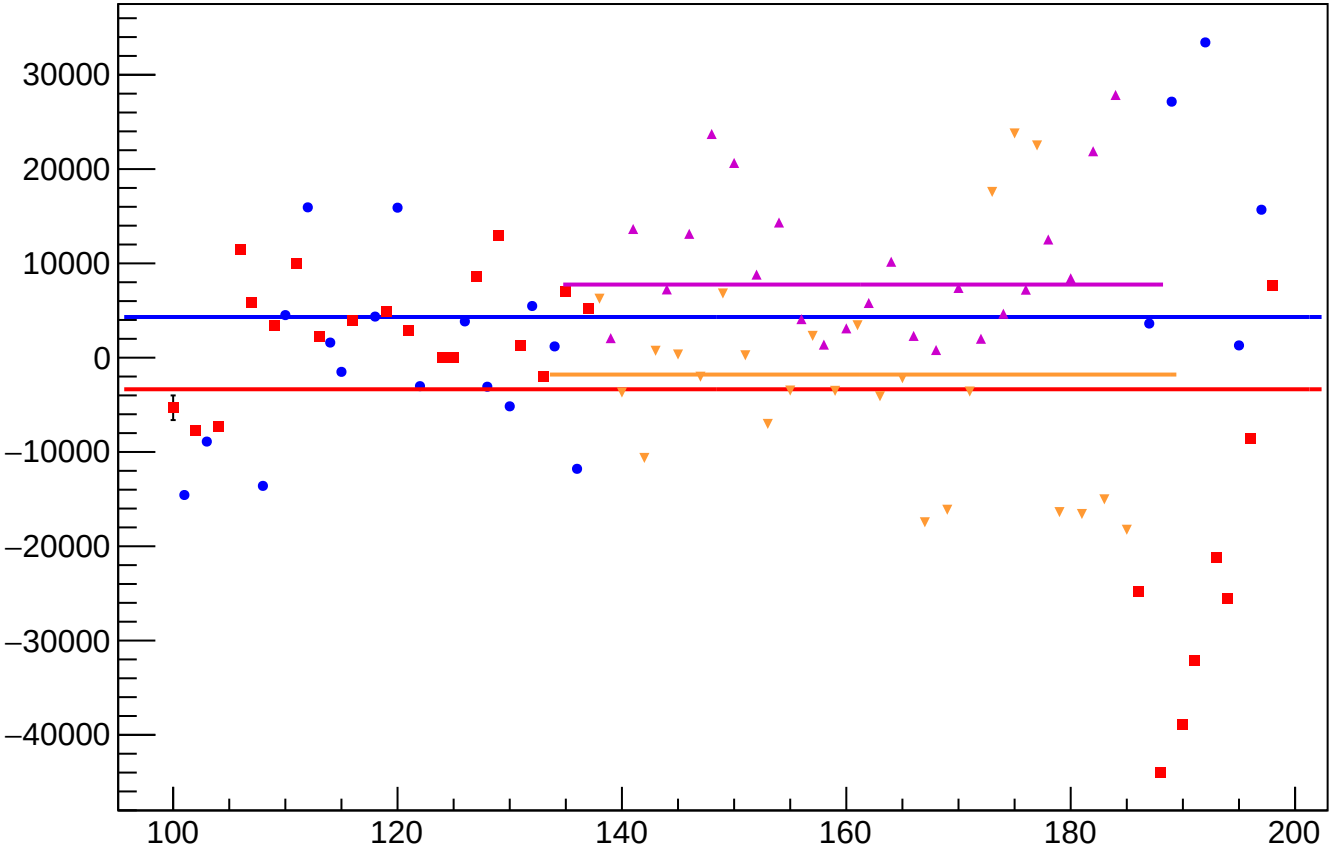
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 356.867+/-0.048 χ^2/NDF: 3072304.7/45

All: 354.557+/-0.033 χ^2/NDF: 6001351.3/95

- sign 352.387+/-0.046 χ^2/NDF: 2924471.1/49

asym_bpm0i02WS_mean vs Slug



Right In: 4313.593+/-47.111 χ^2/NDF: 74217.9/20

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3350.445+/-43.214 χ^2/NDF: 132392.9/26

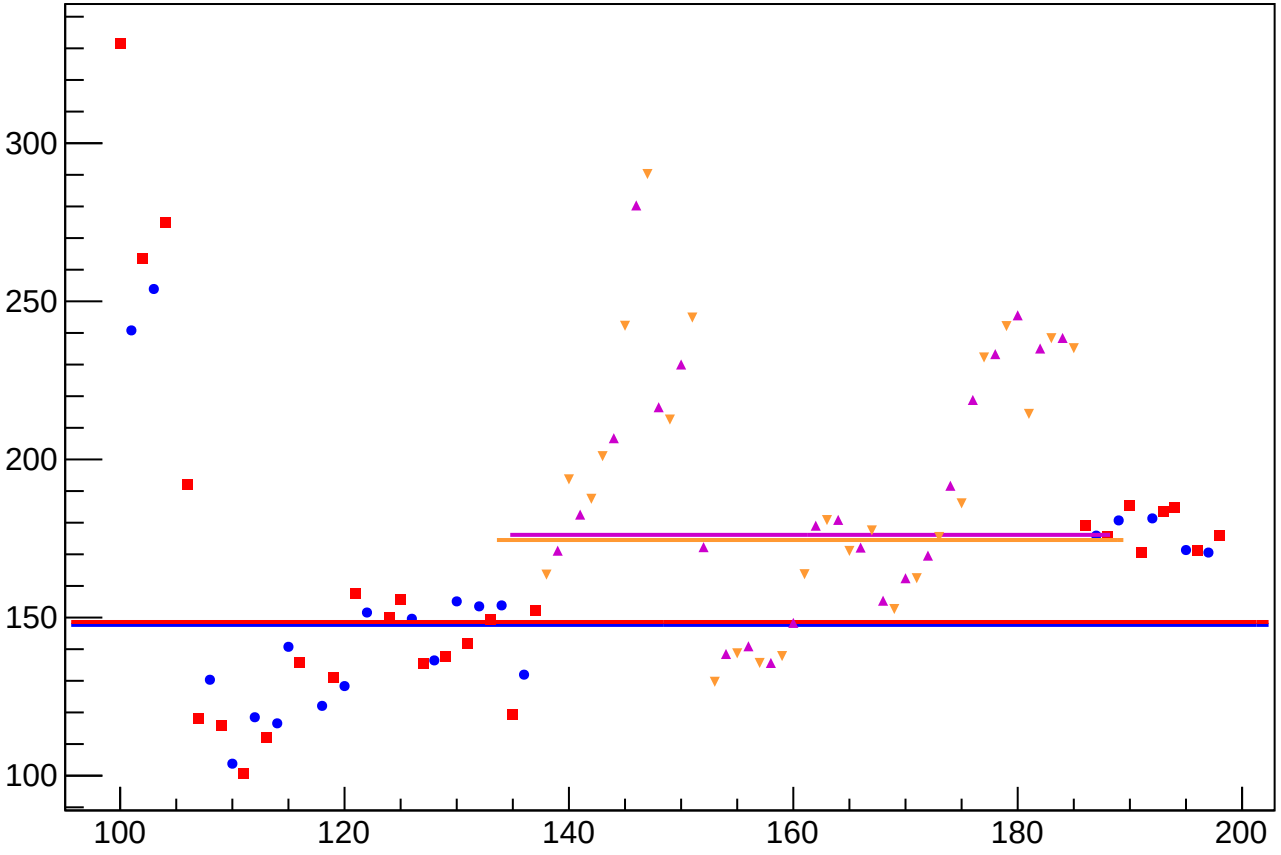
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 833.776+/-30.889 χ^2/NDF: 149534.0/45

All: 1572.812+/-21.640 χ^2/NDF: 339842.2/95

- sign 2285.196+/-30.327 χ^2/NDF: 189184.0/49

asym_bpm0i02WS_rms vs Slug



Right In: 147.685+/-0.033 χ^2/NDF: 887383.4/20

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 148.601+/-0.031 χ^2/NDF: 1320529.1/26

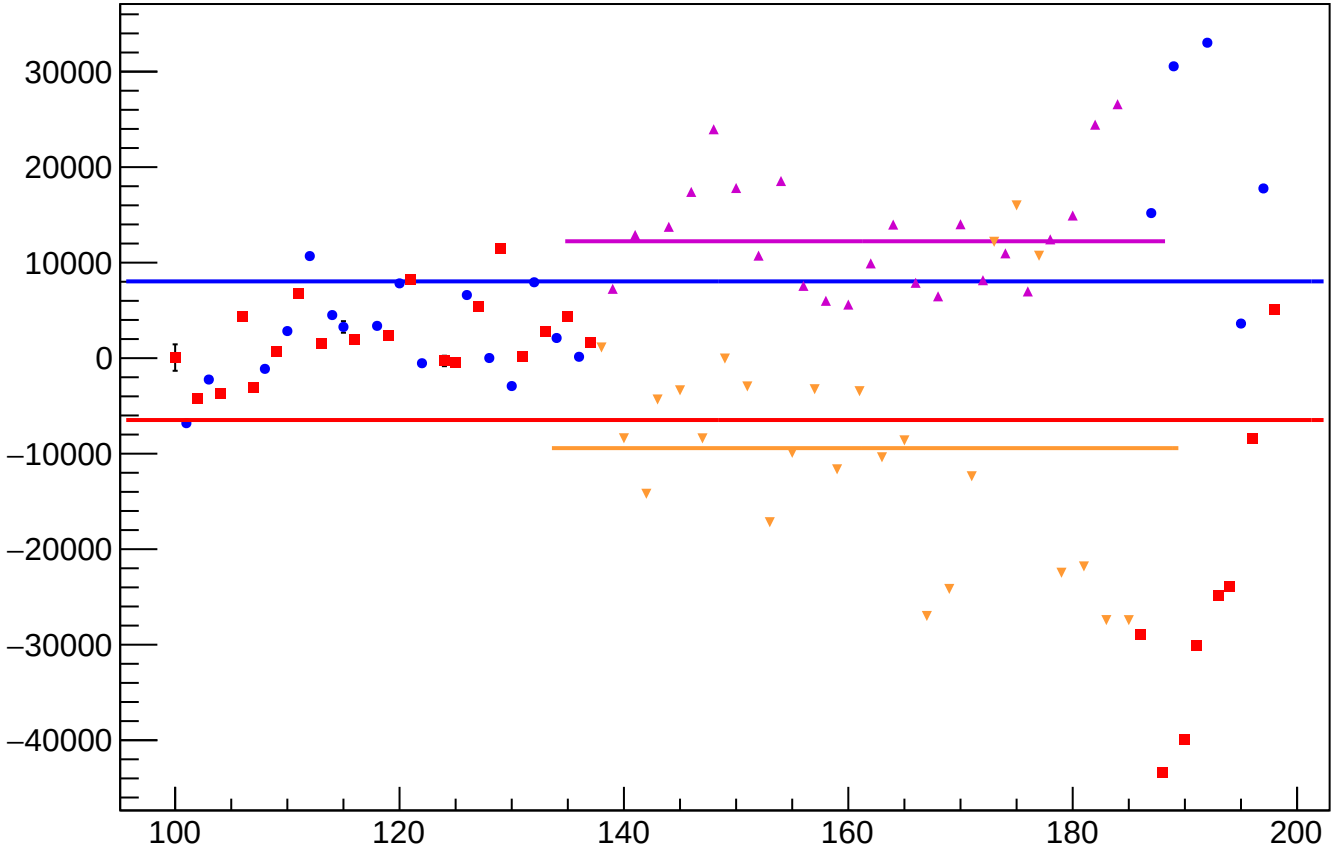
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.984+/-0.022 χ^2/NDF: 2916811.2/45

All: 162.780+/-0.015 χ^2/NDF: 6017216.2/95

- sign 162.584+/-0.021 χ^2/NDF: 3100234.3/49

asym_bpm0i02aWS_mean vs Slug



Right In: 8038.293+/-56.385 χ^2/NDF: 35756.9/20

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6477.338+/-50.329 χ^2/NDF: 102141.8/26

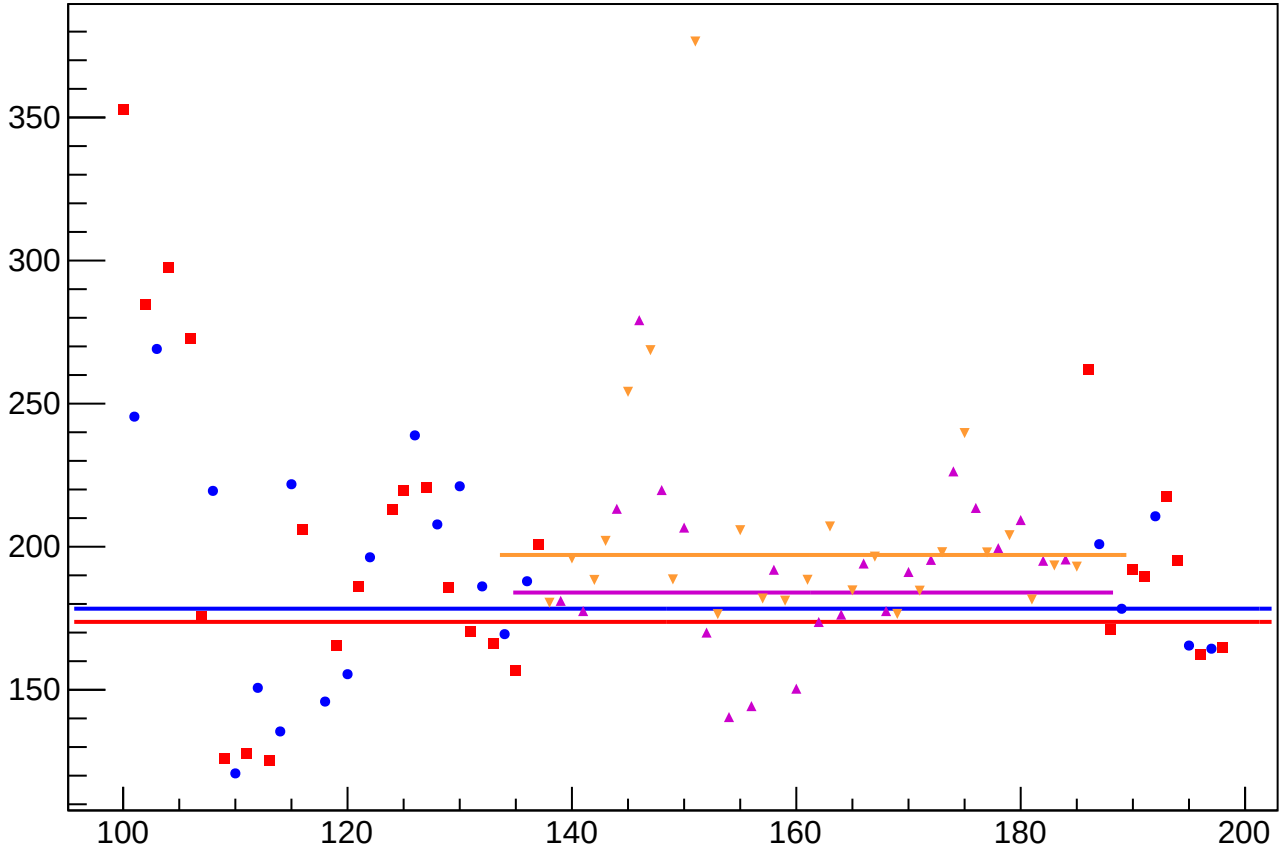
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -2498.836+/-35.502 χ^2/NDF: 158339.4/45

All: 1015.322+/-24.252 χ^2/NDF: 372949.1/95

- sign 4090.120+/-33.209 χ^2/NDF: 196238.9/49

asym_bpm0i02aWS_rms vs Slug



Right In: 178.348+/-0.040 χ^2/NDF: 747530.6/20

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.735+/-0.036 χ^2/NDF: 1192524.8/26

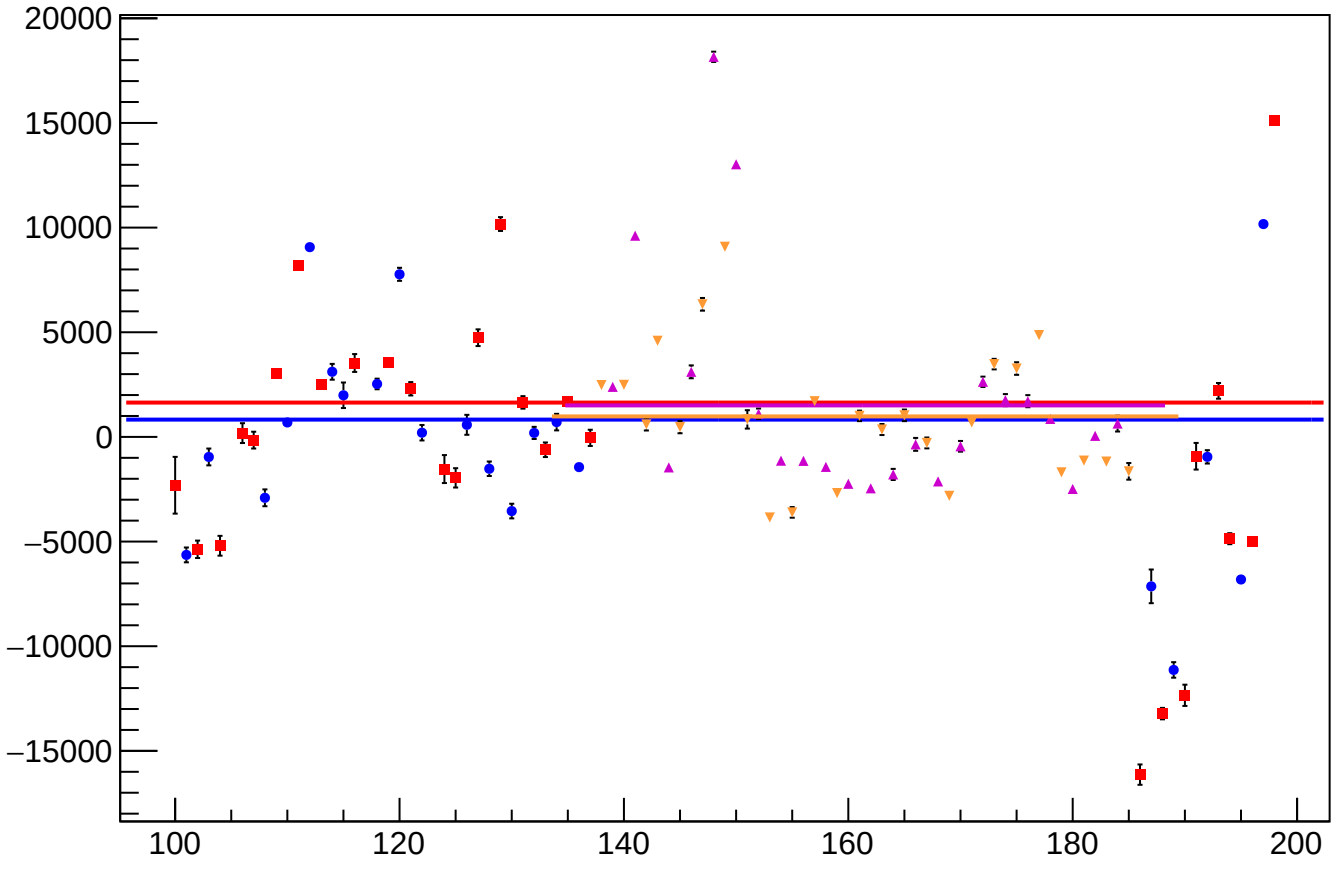
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 189.679+/-0.025 χ^2/NDF: 1613887.5/45

All: 184.262+/-0.017 χ^2/NDF: 3770341.9/95

- sign 179.522+/-0.023 χ^2/NDF: 2069147.4/49

asym_bpm0i05WS_mean vs Slug



Right In: 826.721+/-63.858 χ^2/NDF: 7746.2/20

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1640.511+/-57.121 χ^2/NDF: 14242.7/26

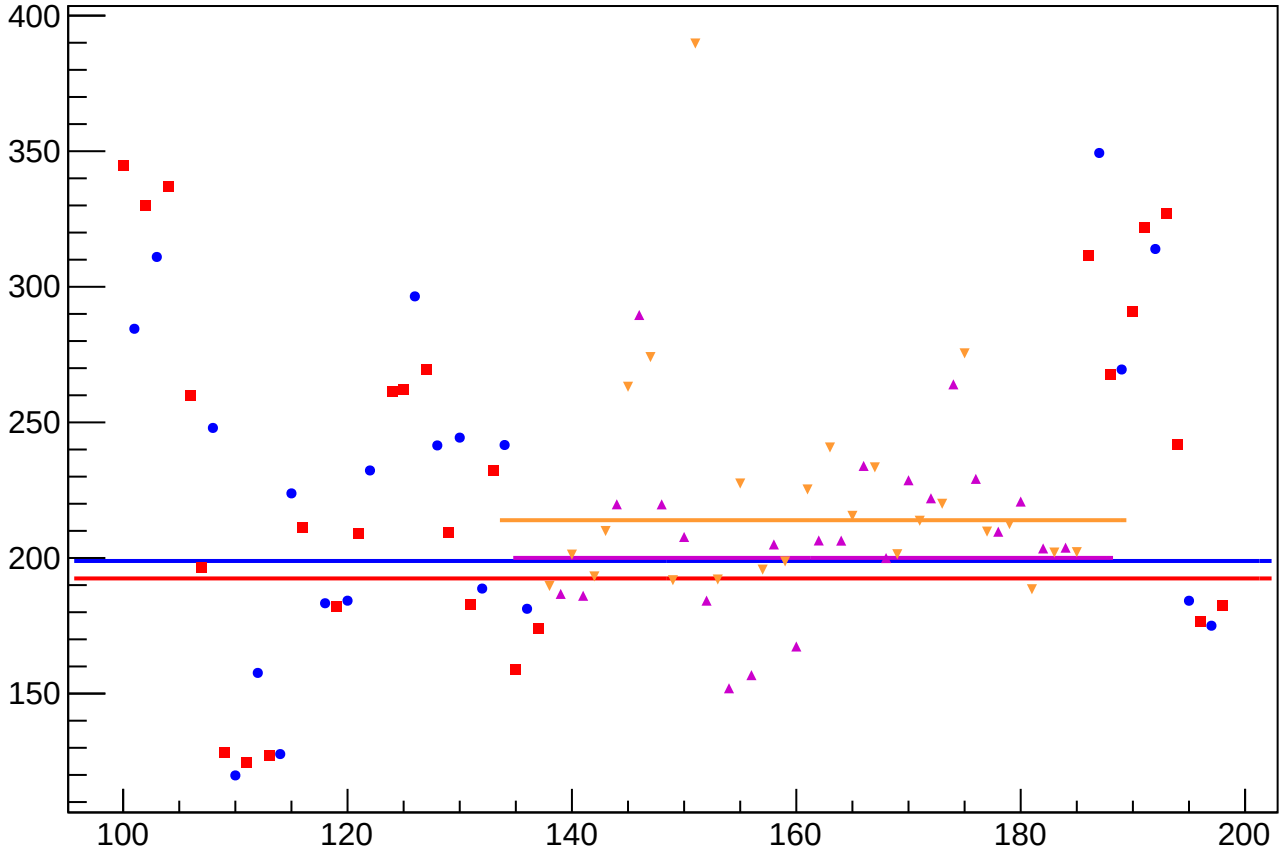
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 921.333+/-39.175 χ^2/NDF: 12072.6/45

All: 1261.510+/-26.811 χ^2/NDF: 37941.1/95

- sign 1561.210+/-36.771 χ^2/NDF: 25726.6/49

asym_bpm0i05WS_rms vs Slug



Right In: 198.899+/-0.045 χ^2/NDF: 1418534.5/20

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.459+/-0.040 χ^2/NDF: 2232948.7/26

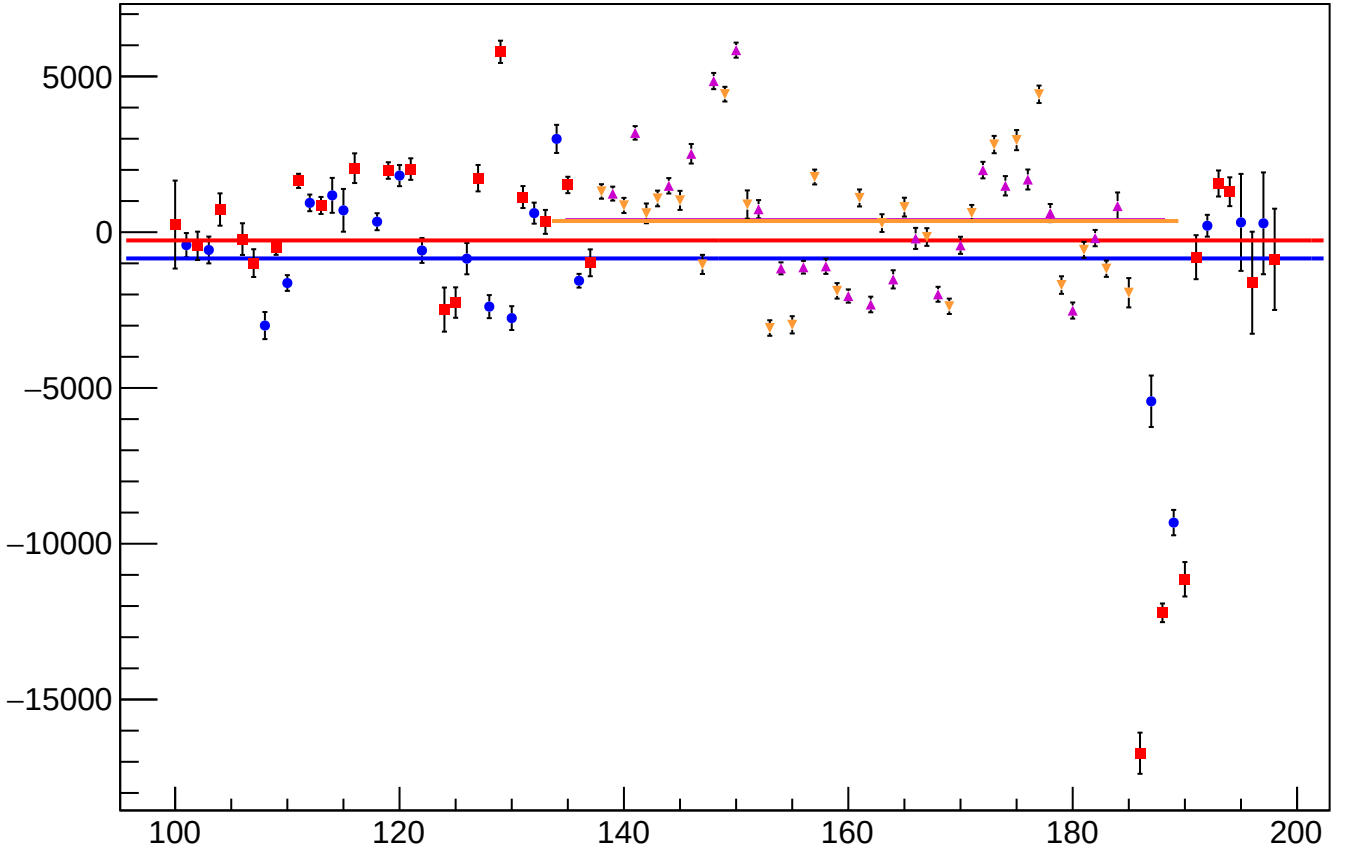
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.274+/-0.028 χ^2/NDF: 2221293.3/45

All: 202.223+/-0.019 χ^2/NDF: 5350074.2/95

- sign 196.893+/-0.026 χ^2/NDF: 3039050.6/49

asym_bpm0i07WS_mean vs Slug



Right In: -842.754+/-81.782 χ^2/NDF: 797.3/20

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -264.489+/-74.026 χ^2/NDF: 3268.9/26

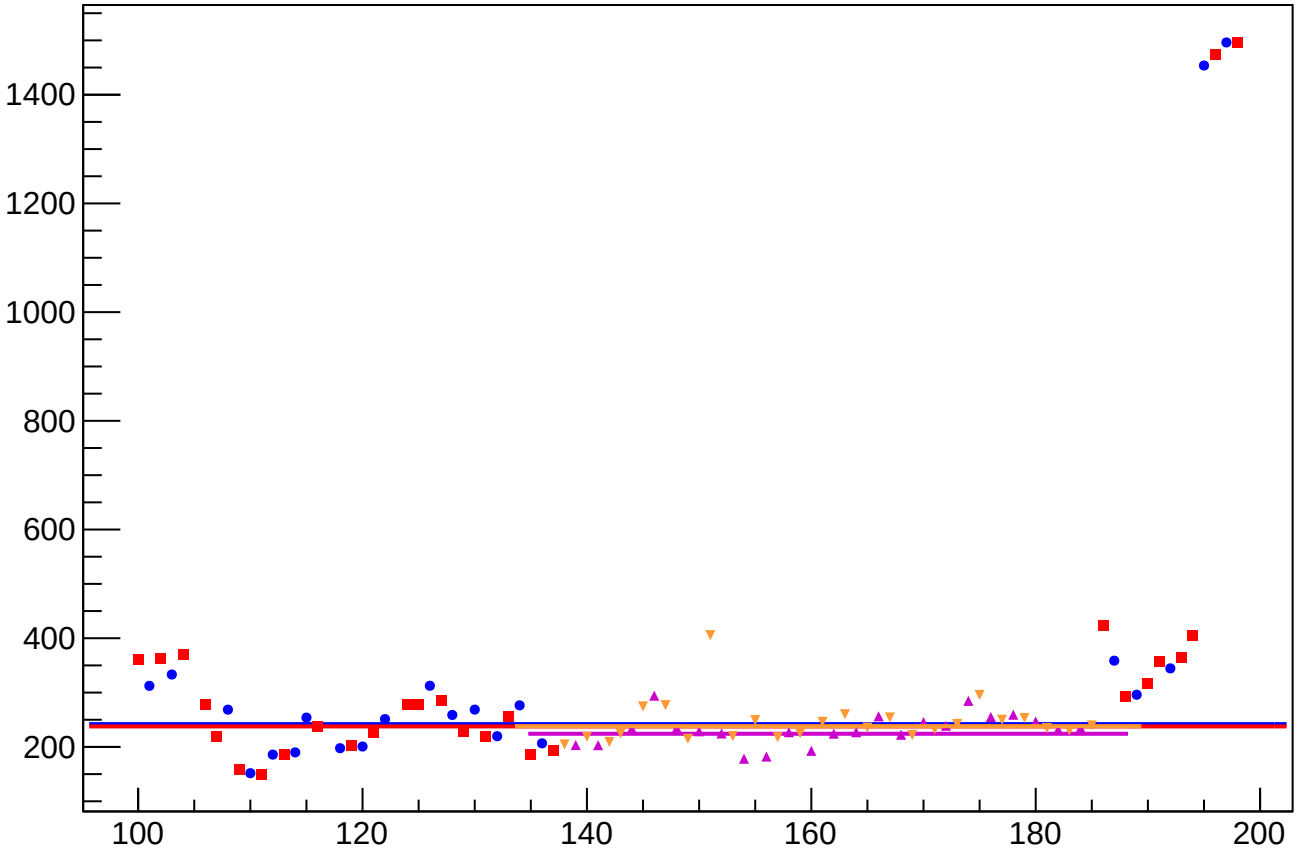
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.403+/-45.634 χ^2/NDF: 2364.8/45

All: 78.466+/-31.440 χ^2/NDF: 7496.7/95

- sign 163.275+/-43.376 χ^2/NDF: 5123.9/49

asym_bpm0i07WS_rms vs Slug



Right In: 241.987+/-0.058 χ^2/NDF: 3369901.5/20

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 237.719+/-0.052 χ^2/NDF: 4253490.7/26

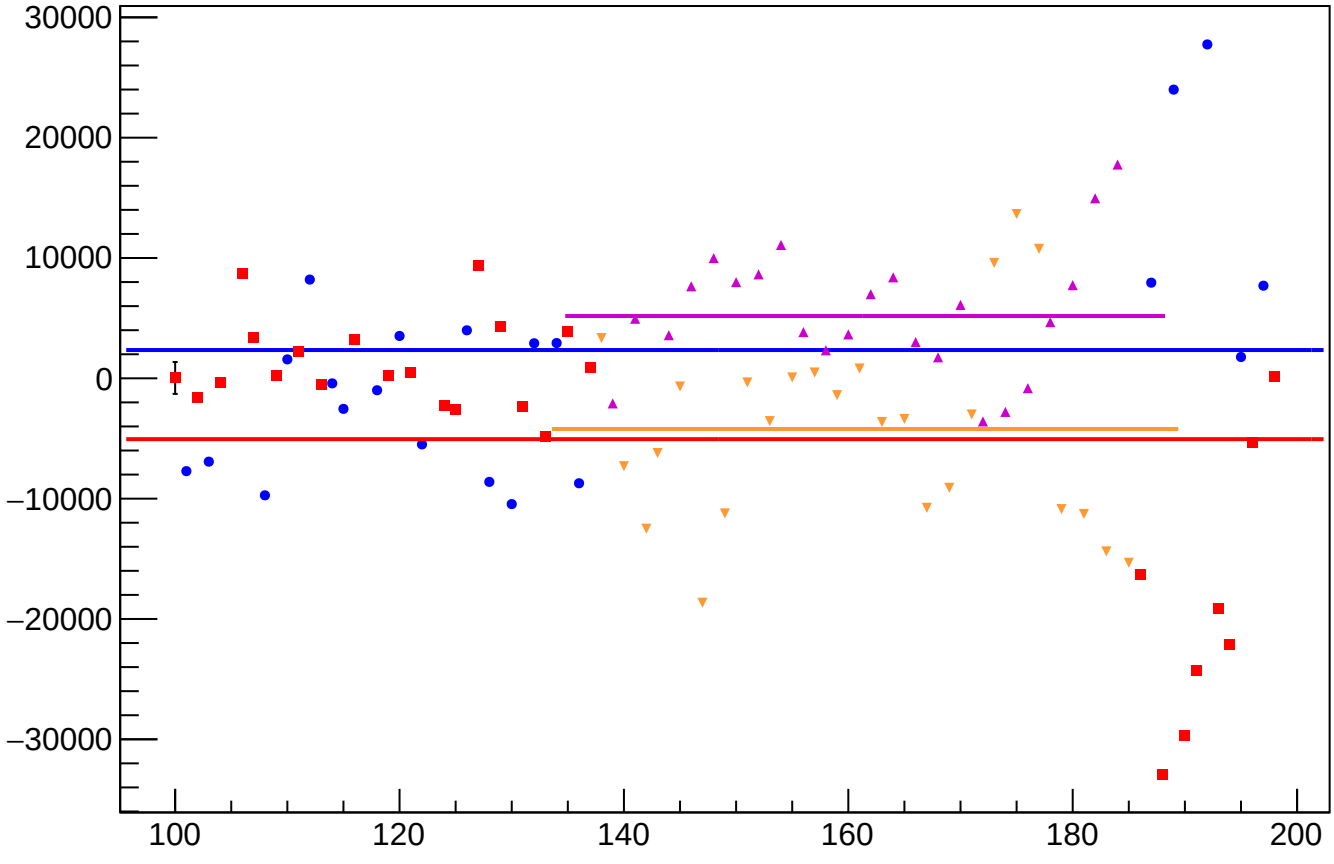
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 239.379+/-0.032 χ^2/NDF: 3940791.3/45

All: 233.847+/-0.022 χ^2/NDF: 8857170.0/95

- sign 228.849+/-0.031 χ^2/NDF: 4860442.5/49

asym_bpm1i02WS_mean vs Slug



Right In: 2350.580+/-40.014 χ^2/NDF: 69729.7/20

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5055.616+/-36.445 χ^2/NDF: 102274.1/26

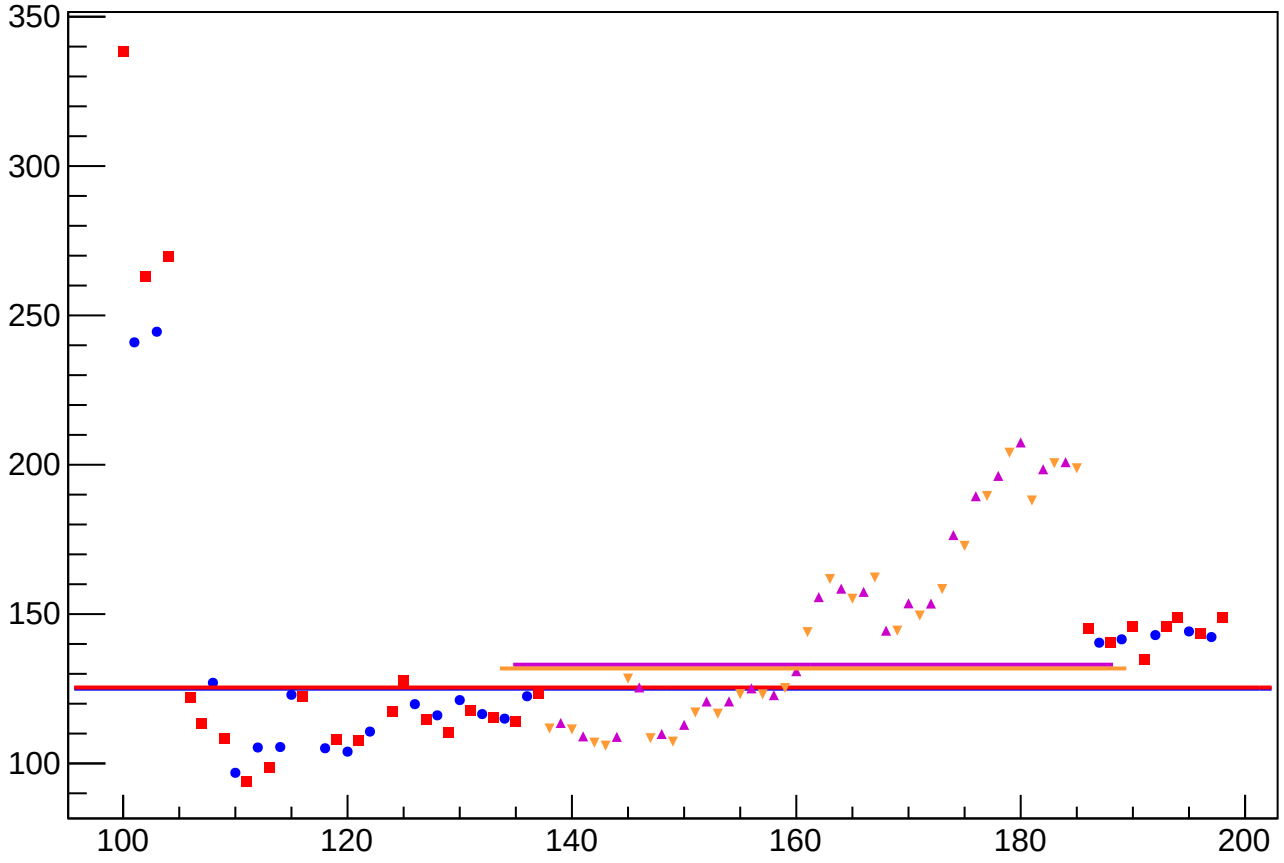
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1766.730+/-24.421 χ^2/NDF: 143404.2/45

All: -499.432+/-17.130 χ^2/NDF: 314082.1/95

- sign 727.925+/-24.033 χ^2/NDF: 165376.9/49

asym_bpm1i02WS_rms vs Slug



Right In: 125.032+/-0.028 χ^2/NDF: 876943.8/20

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 125.421+/-0.026 χ^2/NDF: 1154871.7/26

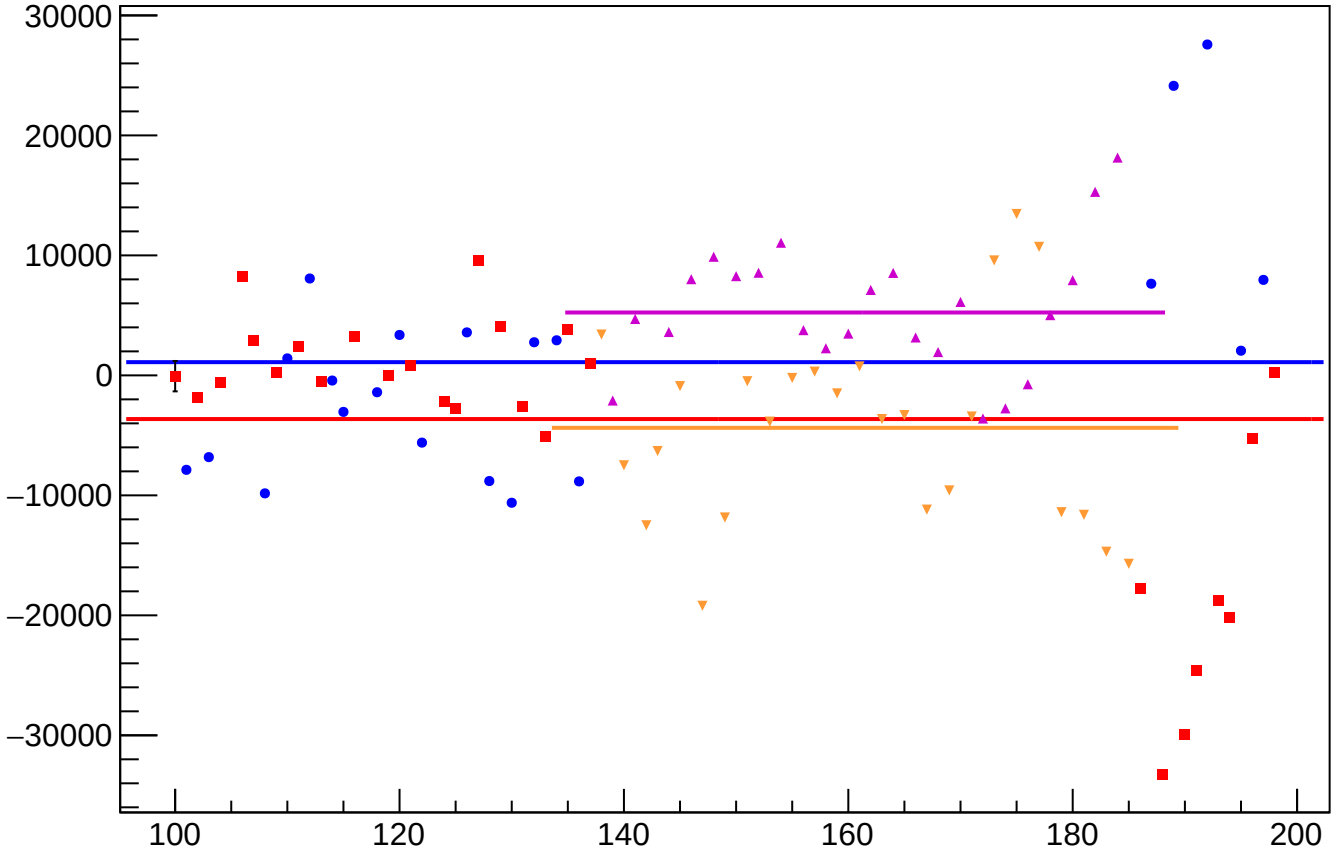
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 129.278+/-0.017 χ^2/NDF: 2457161.2/45

All: 129.512+/-0.012 χ^2/NDF: 5080323.6/95

- sign 129.739+/-0.017 χ^2/NDF: 2622800.0/49

asym_bpm1i04WS_mean vs Slug



Right In: 1101.198+/-35.365 χ^2/NDF: 74994.8/20

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -3640.612+/-32.546 χ^2/NDF: 109640.4/26

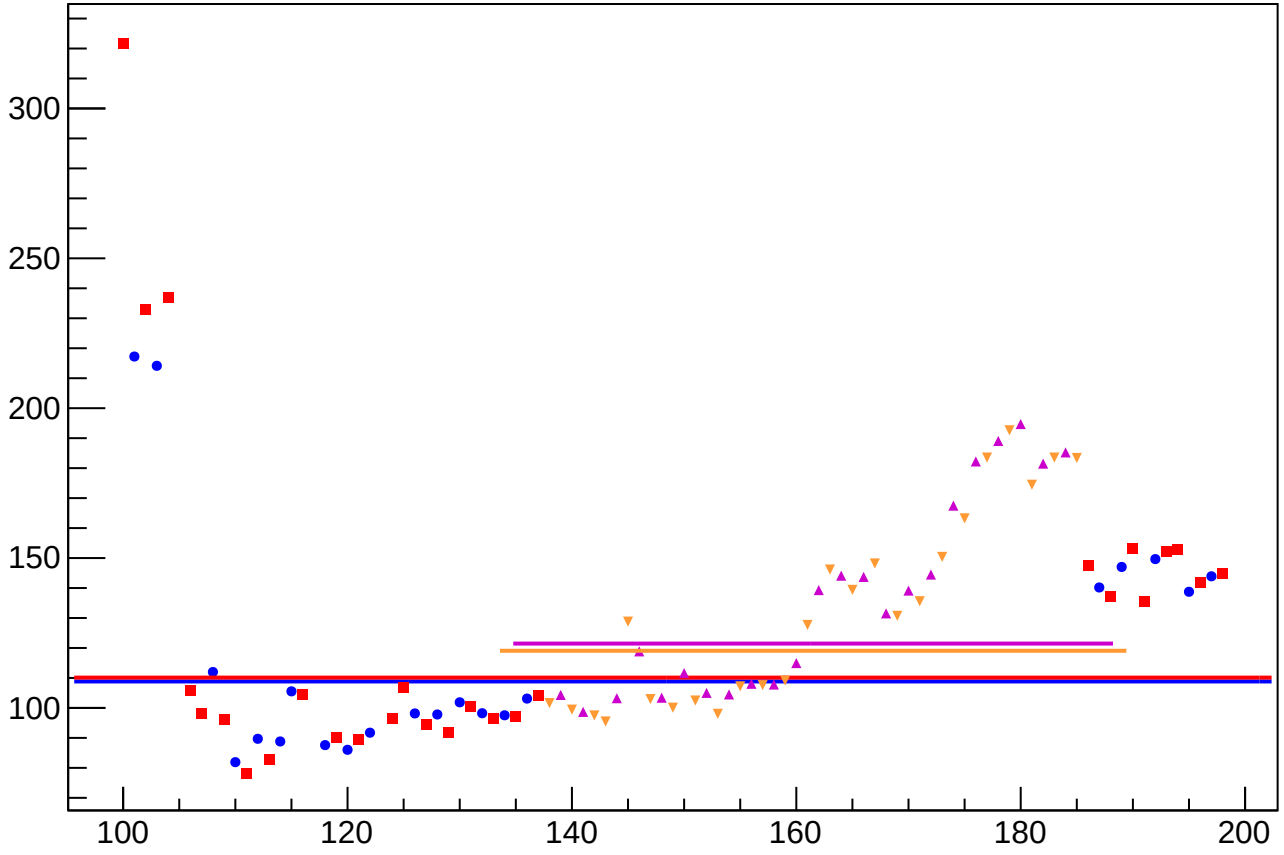
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -2267.715+/-21.931 χ^2/NDF: 156957.9/45

All: -483.832+/-15.445 χ^2/NDF: 343181.7/95

- sign 1271.662+/-21.756 χ^2/NDF: 173096.5/49

asym_bpm1i04WS_rms vs Slug



Right In: 108.831+/-0.025 χ^2/NDF: 1327807.2/20

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 110.117+/-0.023 χ^2/NDF: 1787052.0/26

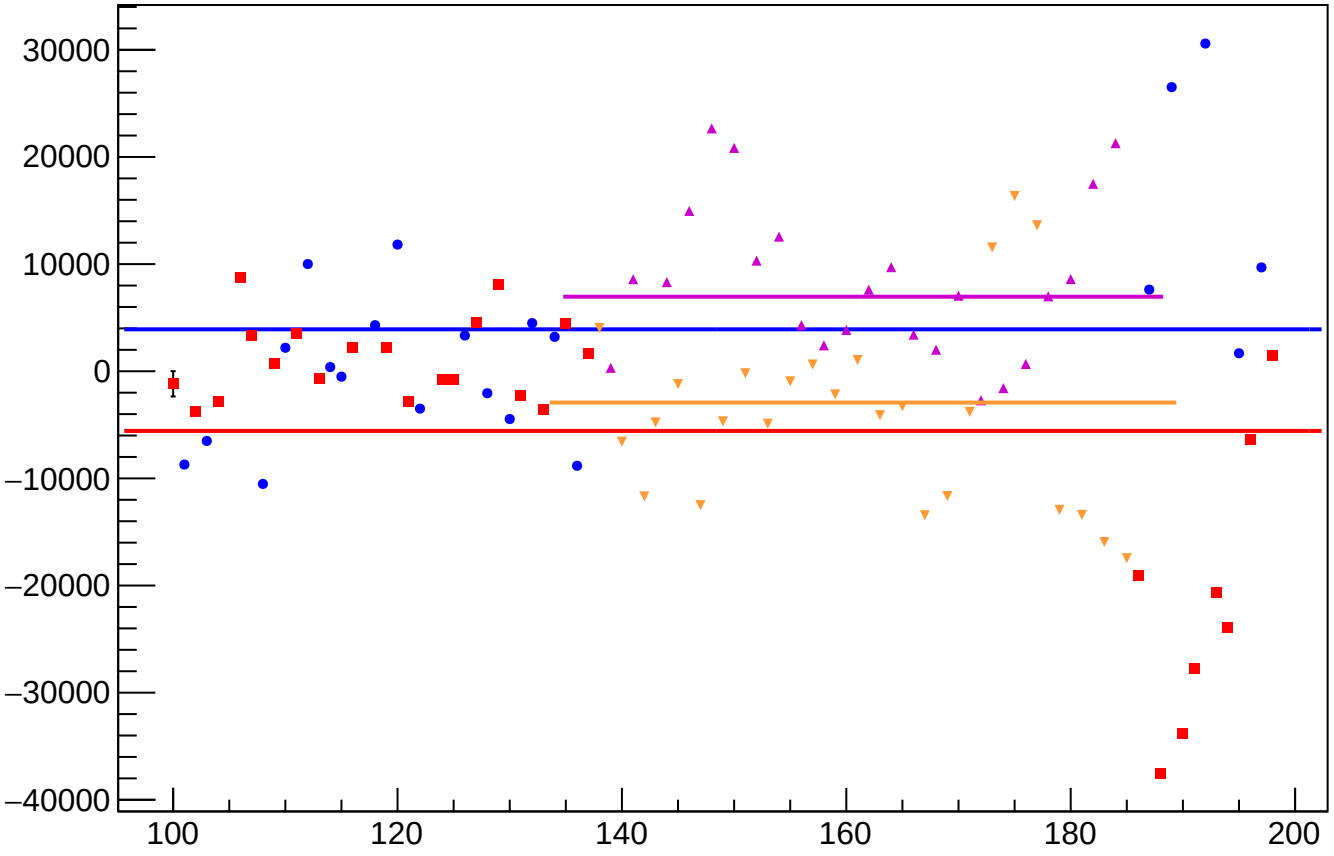
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 115.129+/-0.016 χ^2/NDF: 3186290.1/45

All: 115.768+/-0.011 χ^2/NDF: 6640643.0/95

- sign 116.396+/-0.015 χ^2/NDF: 3450988.7/49

asym_bpm1i06WS_mean vs Slug



Right In: 3911.592+/-46.593 χ^2/NDF: 55571.9/20

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -5570.513+/-42.933 χ^2/NDF: 91673.9/26

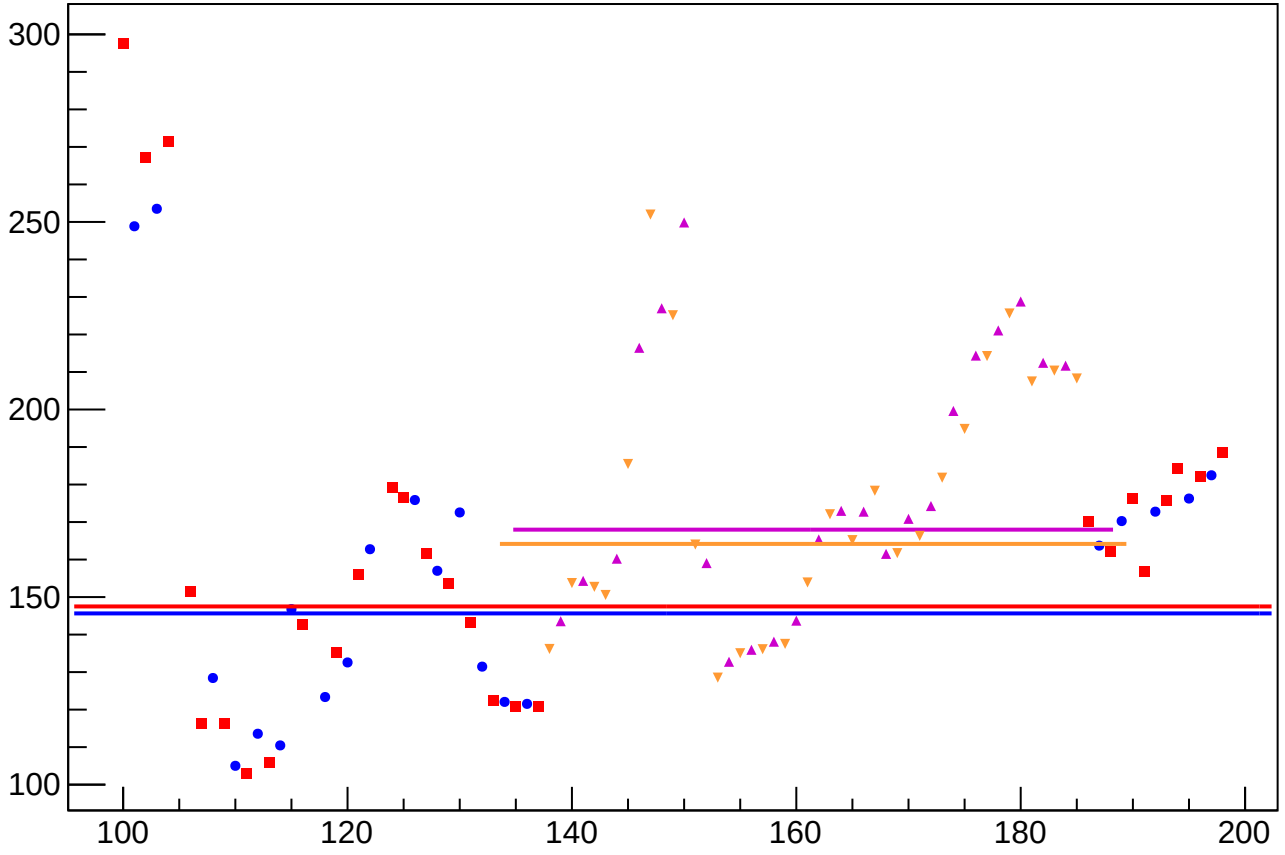
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -176.991+/-29.534 χ^2/NDF: 106496.3/45

All: 464.021+/-20.822 χ^2/NDF: 266765.1/95

- sign 1097.588+/-29.362 χ^2/NDF: 159332.1/49

asym_bpm1i06WS_rms vs Slug



Right In: 145.645+/-0.033 χ^2/NDF: 1052162.2/20

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 147.504+/-0.030 χ^2/NDF: 1344807.5/26

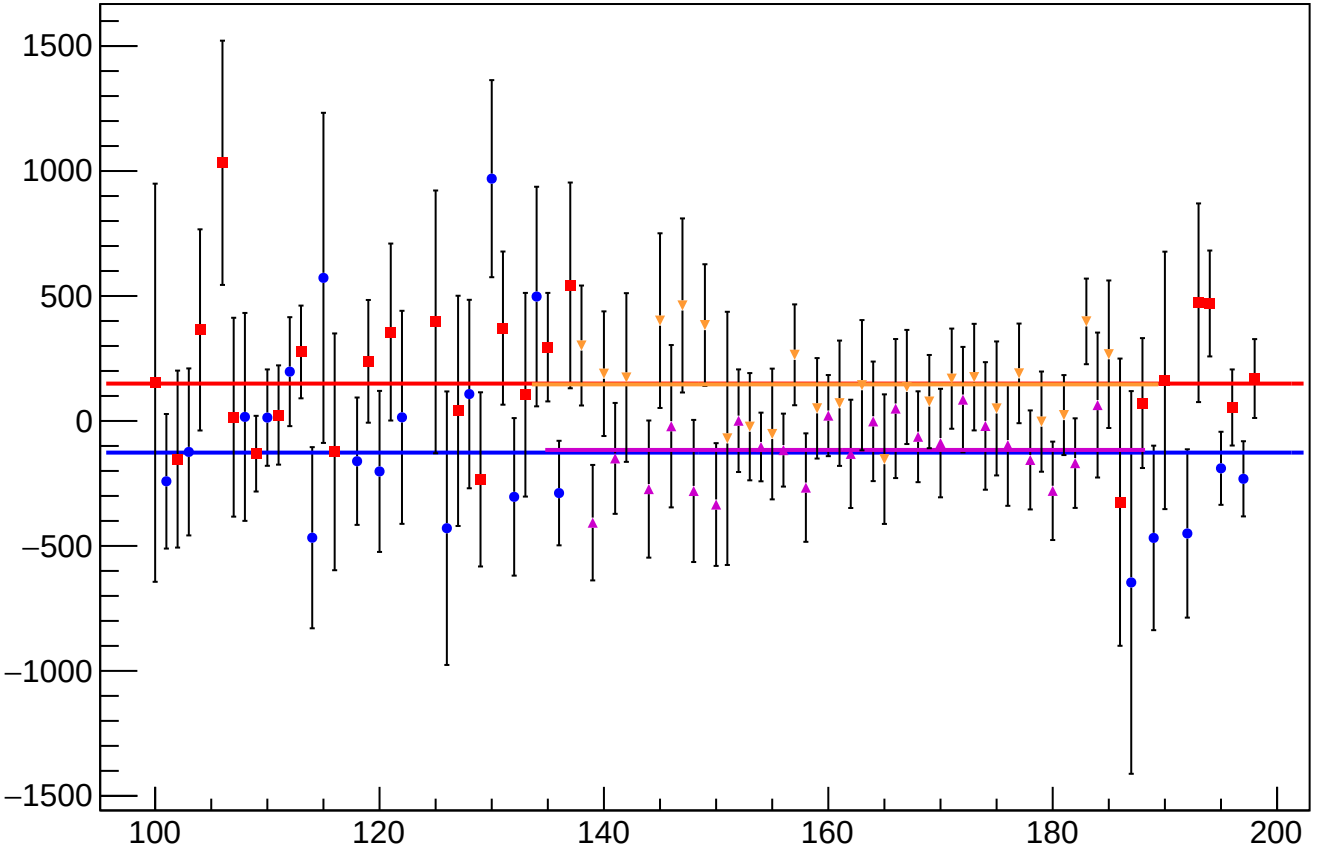
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 156.728+/-0.021 χ^2/NDF: 2465750.2/45

All: 157.569+/-0.015 χ^2/NDF: 5278567.2/95

- sign 158.400+/-0.021 χ^2/NDF: 2809593.0/49

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -126.623+/-59.683 χ^2/NDF: 19.5/20

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 149.507+/-53.668 χ^2/NDF: 17.0/24

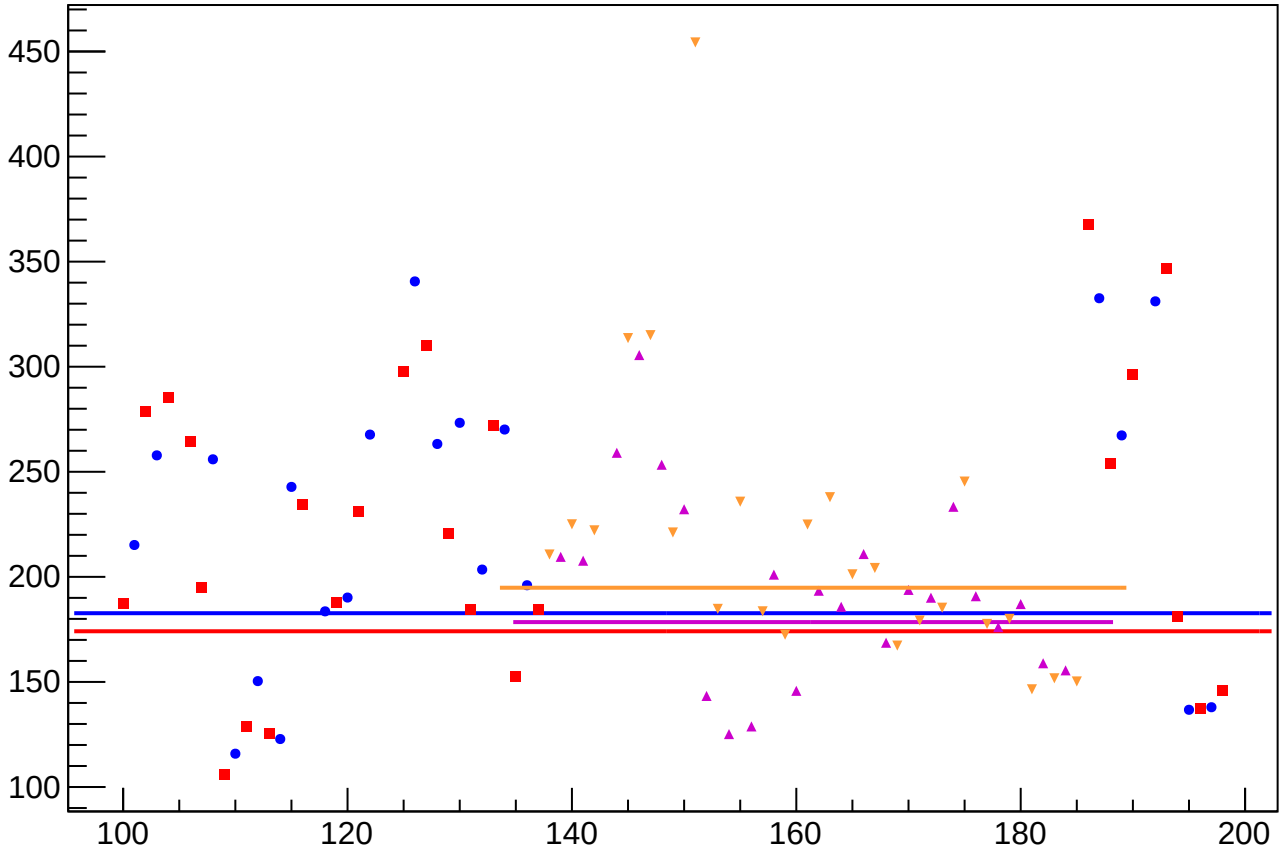
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 42.061+/-36.891 χ^2/NDF: 42.4/44

All: 13.570+/-24.938 χ^2/NDF: 82.8/92

- sign -10.407+/-33.842 χ^2/NDF: 39.4/47

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 182.705+/-0.042 χ^2/NDF: 2032435.8/20

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 174.110+/-0.038 χ^2/NDF: 2687617.7/24

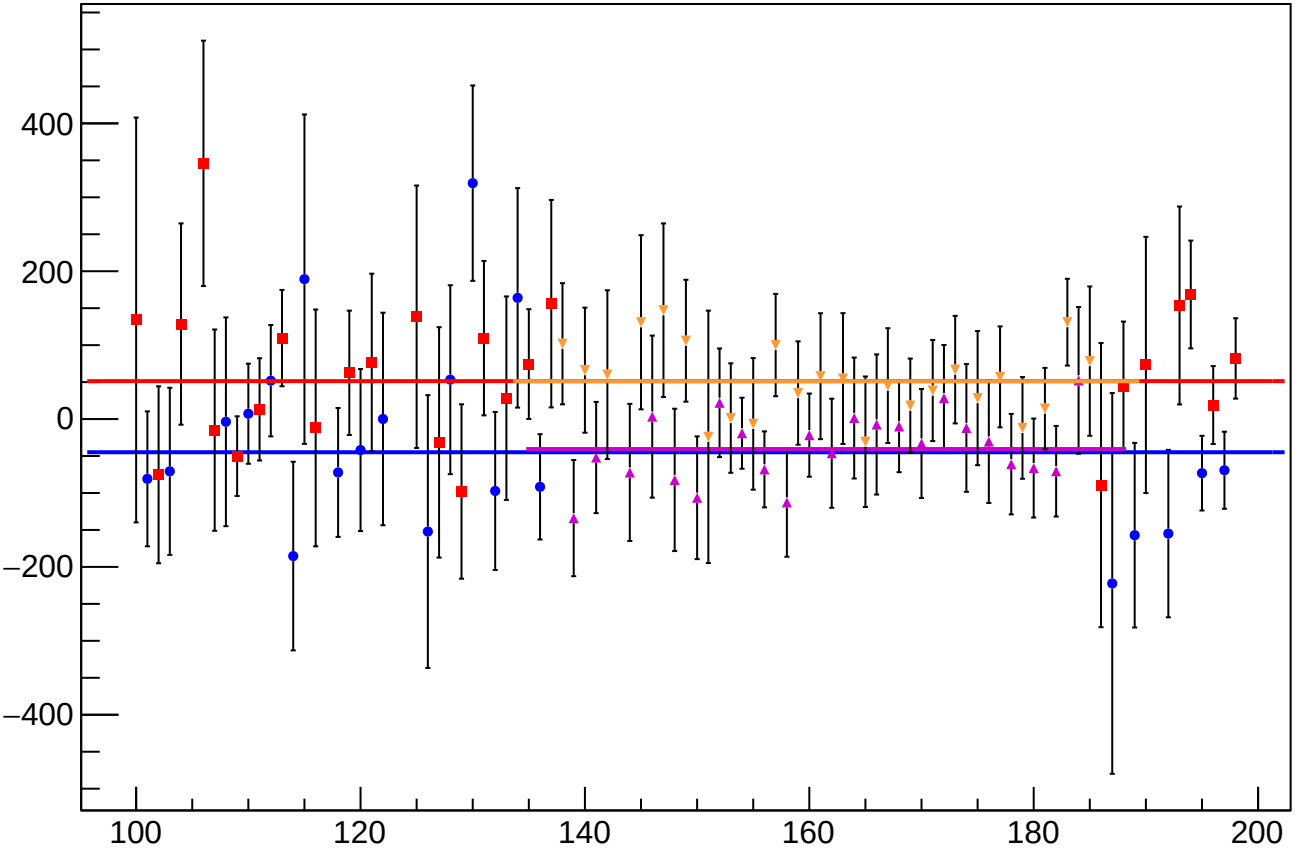
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

\+ sign 190.197+/-0.026 χ^2/NDF: 3835904.8/44

All: 182.889+/-0.018 χ^2/NDF: 8352272.4/92

\- sign 176.740+/-0.024 χ^2/NDF: 4371853.8/47

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -44.885+/-20.490 χ^2/NDF: 19.0/20

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 51.305+/-18.505 χ^2/NDF: 17.3/24

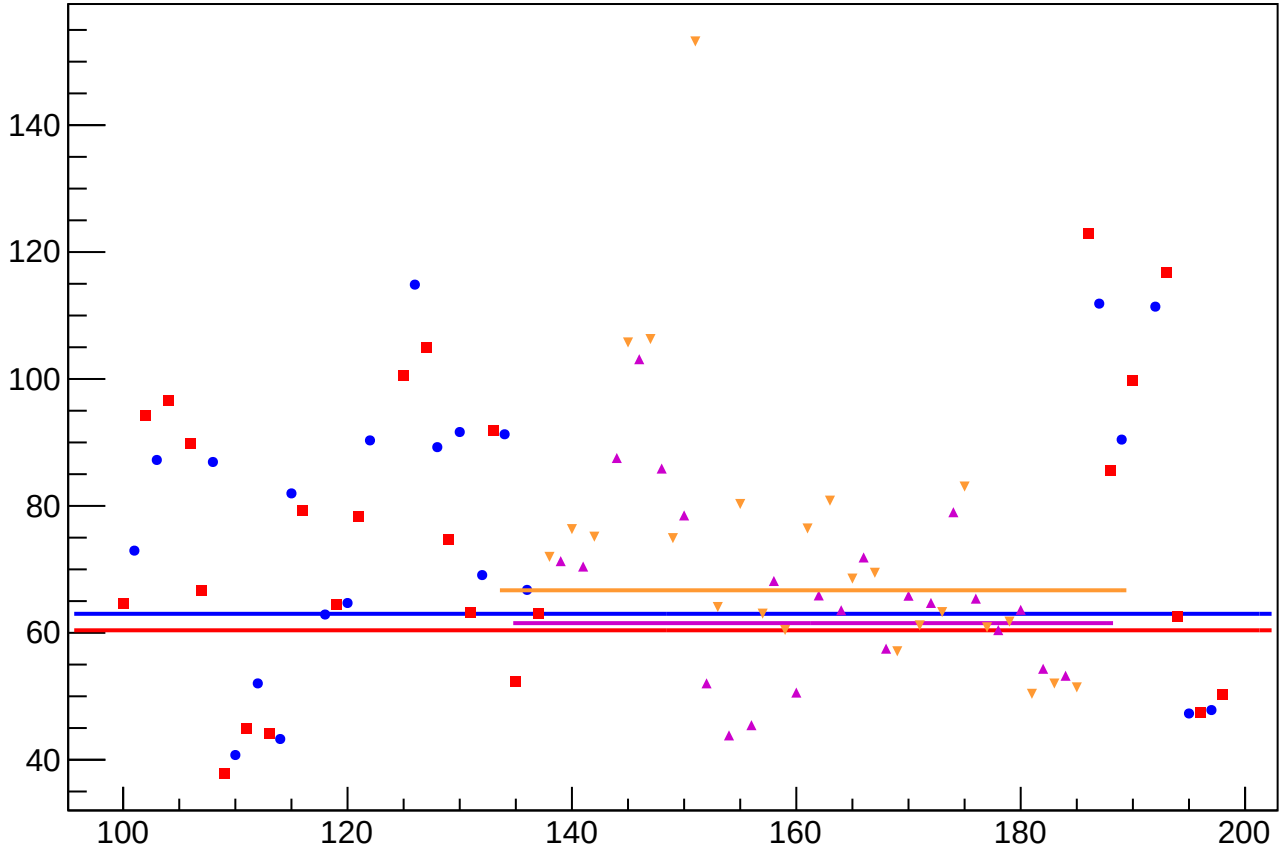
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 14.675+/-12.629 χ^2/NDF: 40.7/44

All: 4.479+/-8.560 χ^2/NDF: 82.0/92

- sign -4.186+/-11.642 χ^2/NDF: 40.1/47

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 62.999+/-0.014 χ^2/NDF: 1883840.8/20

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 60.400+/-0.013 χ^2/NDF: 2474305.6/24

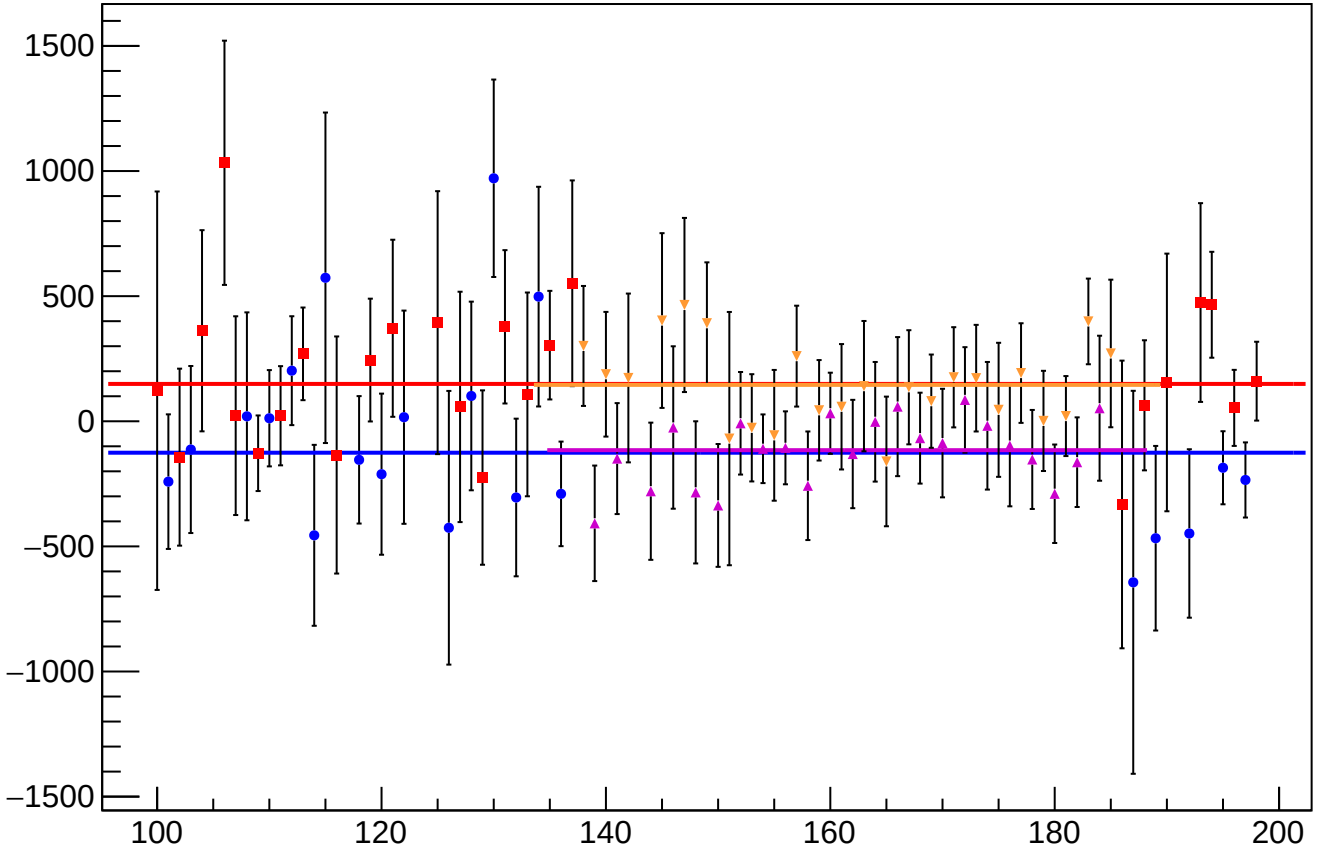
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 65.296+/-0.009 χ^2/NDF: 3600705.1/44

All: 63.018+/-0.006 χ^2/NDF: 7689728.1/92

- sign 61.082+/-0.008 χ^2/NDF: 3968650.6/47

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -125.626+/-59.612 χ^2/NDF: 19.5/20

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 149.275+/-53.600 χ^2/NDF: 17.0/24

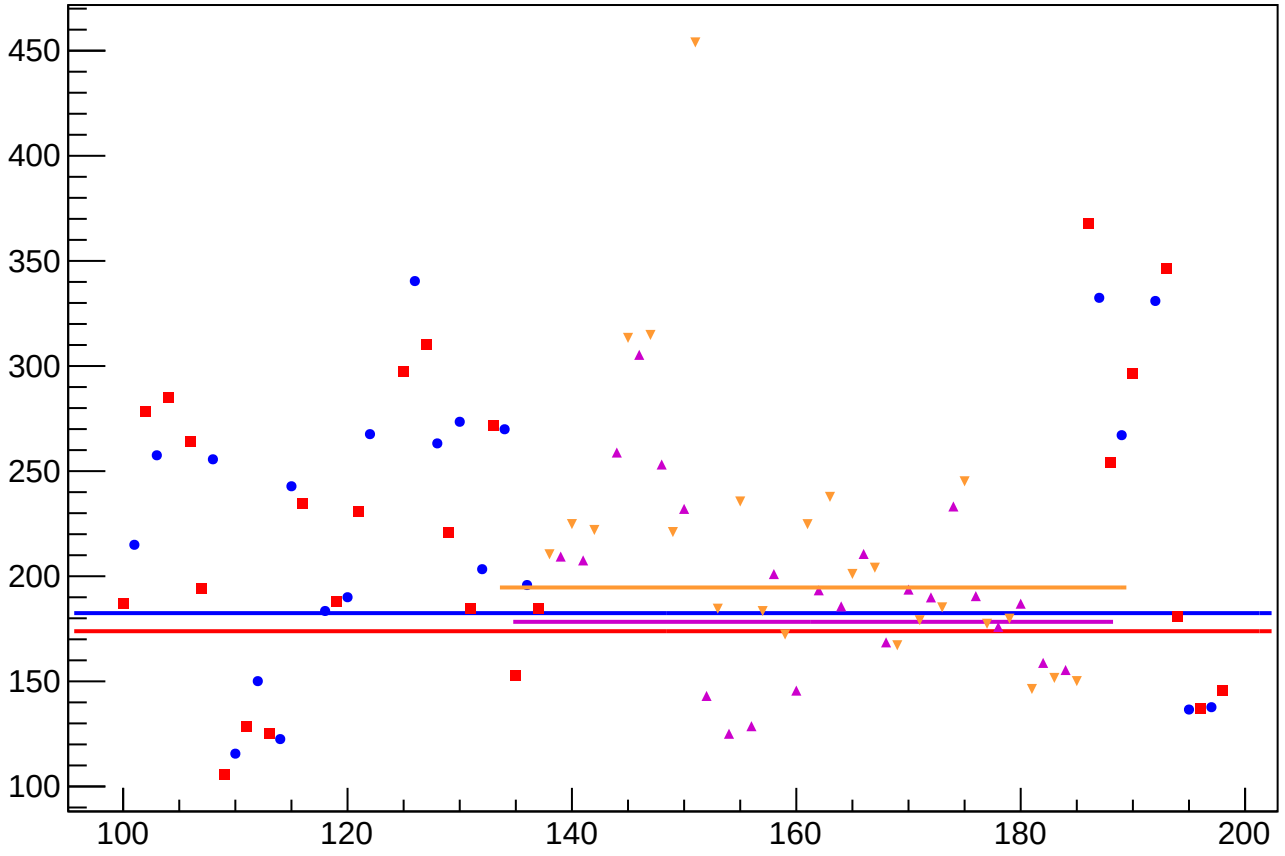
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 41.856+/-36.854 χ^2/NDF: 42.5/44

All: 13.614+/-24.913 χ^2/NDF: 83.1/92

- sign -10.152+/-33.808 χ^2/NDF: 39.5/47

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 182.457+/-0.042 χ^2/NDF: 2038659.1/20

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 173.854+/-0.038 χ^2/NDF: 2696123.8/24

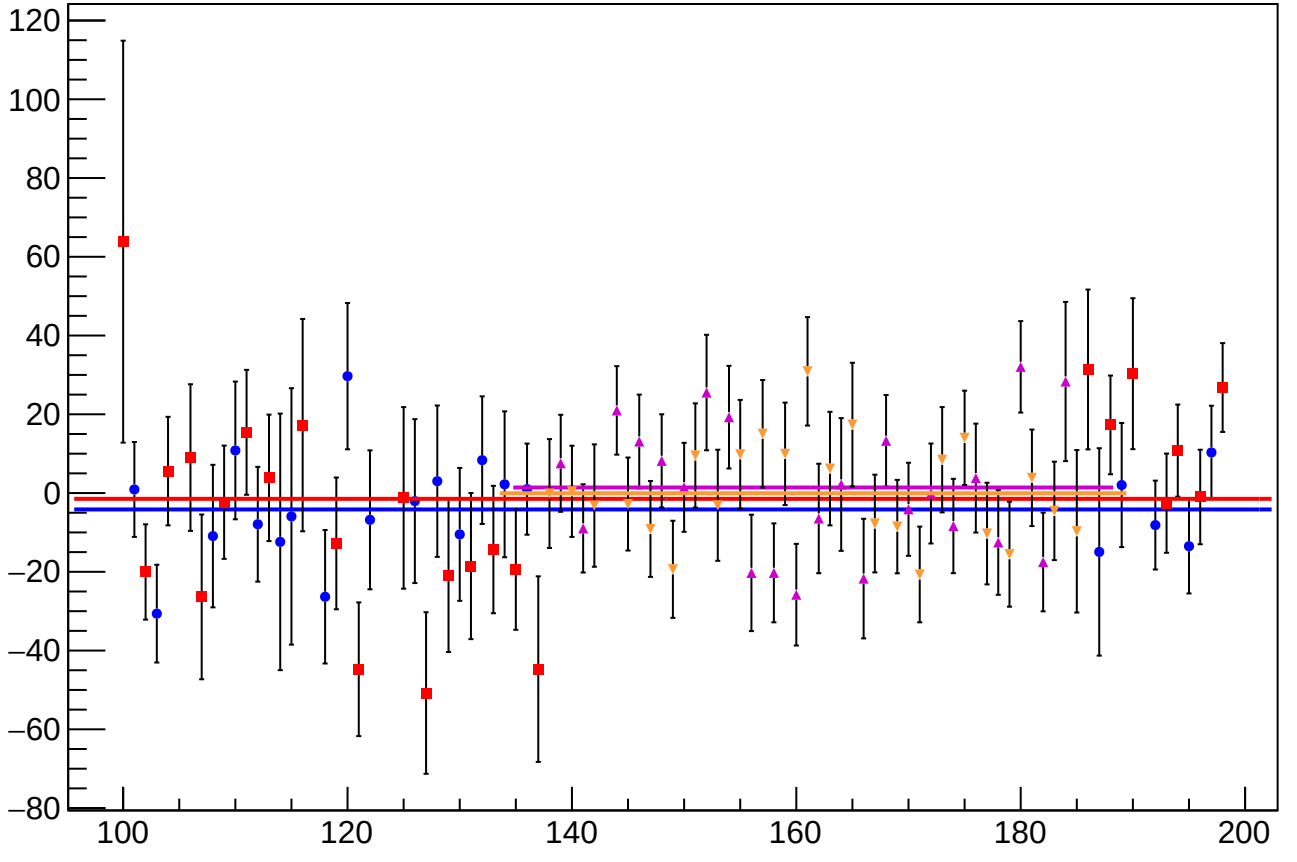
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

\+ sign 189.995+/-0.026 χ^2/NDF: 3843549.6/44

All: 182.690+/-0.018 χ^2/NDF: 8371080.9/92

\- sign 176.542+/-0.024 χ^2/NDF: 4382812.1/47

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.163+/-3.411 χ^2/NDF: 14.5/20

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -1.468+/-3.188 χ^2/NDF: 42.7/24

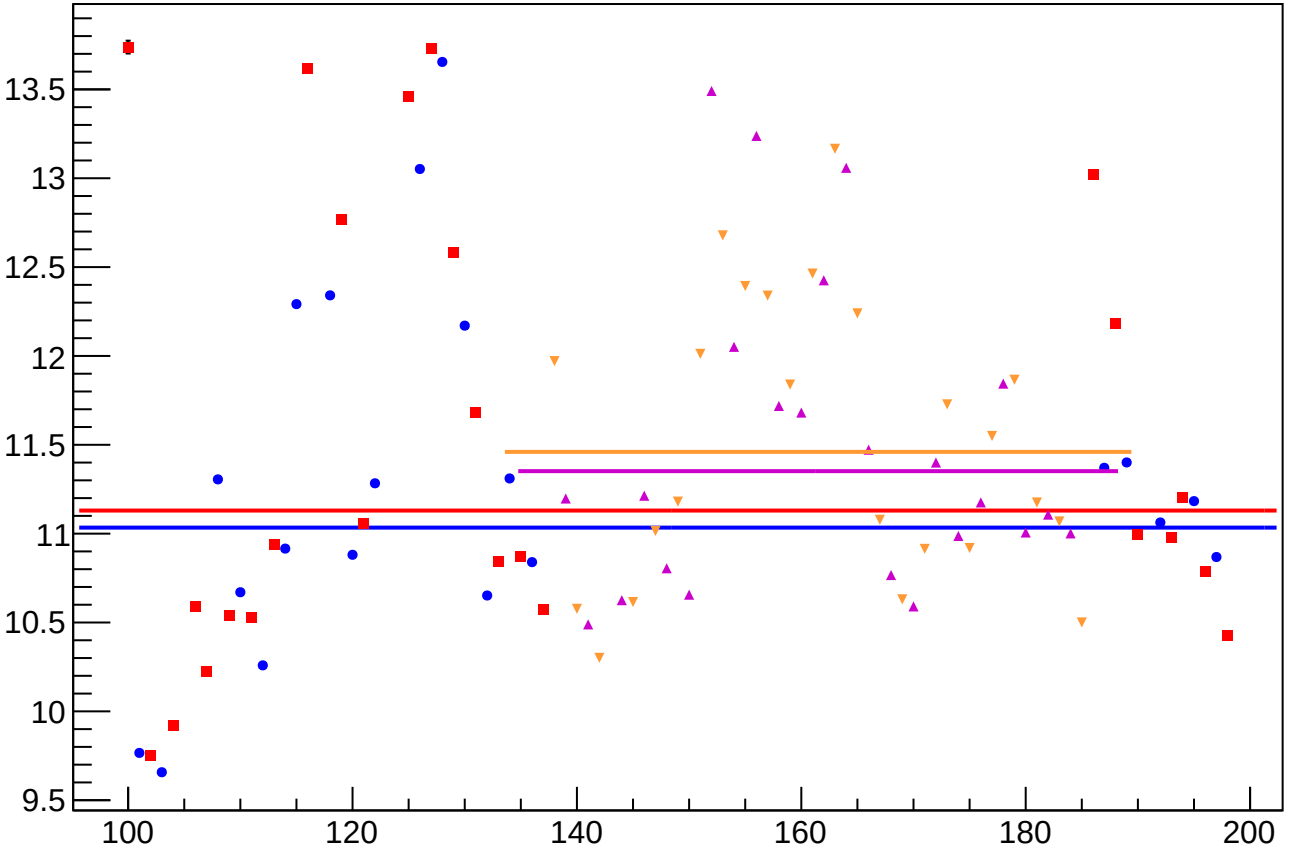
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.622+/-2.110 χ^2/NDF: 35.9/44

All: -0.674+/-1.470 χ^2/NDF: 115.7/92

- sign 0.220+/-2.049 χ^2/NDF: 79.5/47

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 11.034+/-0.002 χ^2/NDF: 138422.0/20

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.130+/-0.002 χ^2/NDF: 203873.6/24

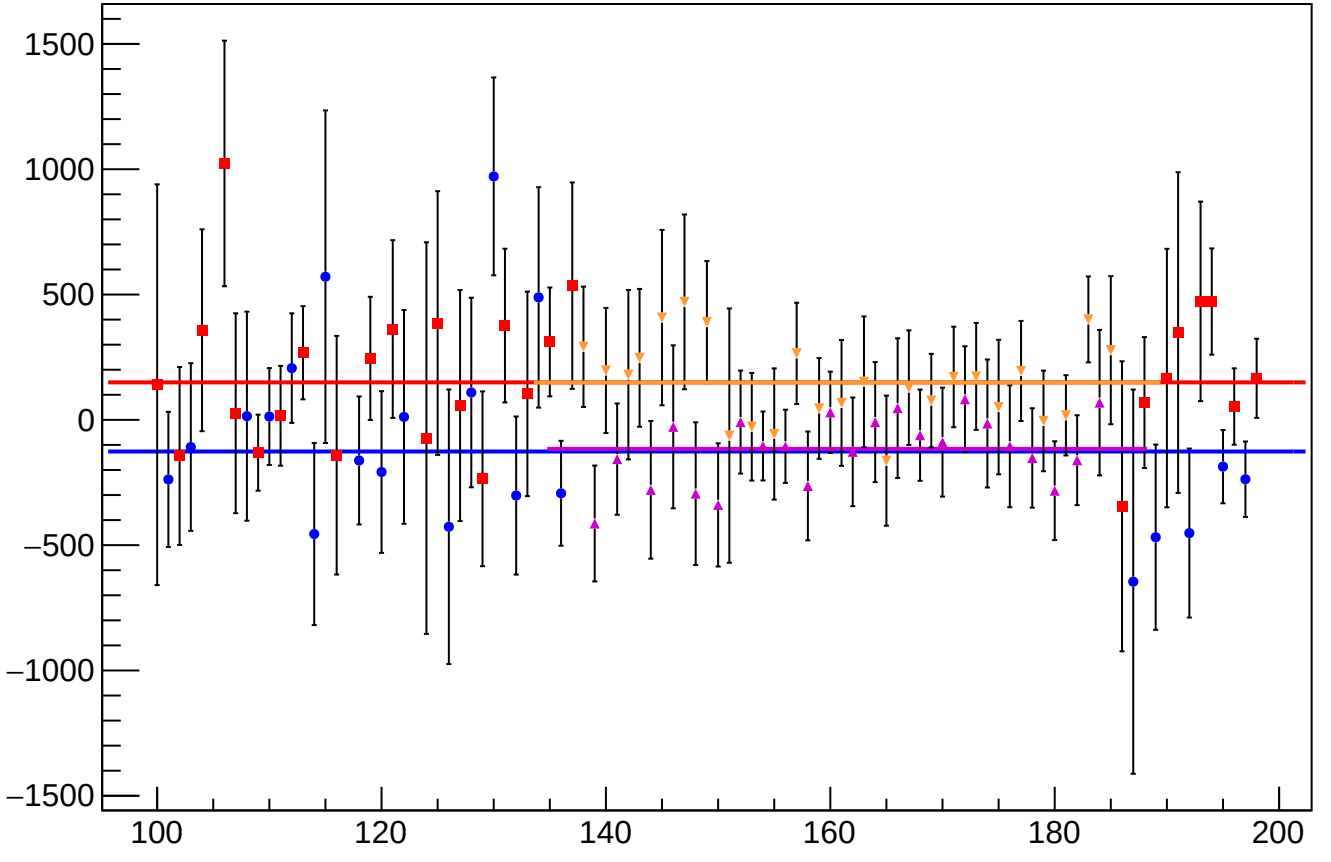
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.297+/-0.001 χ^2/NDF: 308128.0/44

All: 11.278+/-0.001 χ^2/NDF: 688559.9/92

- sign 11.260+/-0.001 χ^2/NDF: 380117.0/47

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -126.274+/-59.774 χ^2/NDF: 19.5/20

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 149.544+/-53.443 χ^2/NDF: 17.2/26

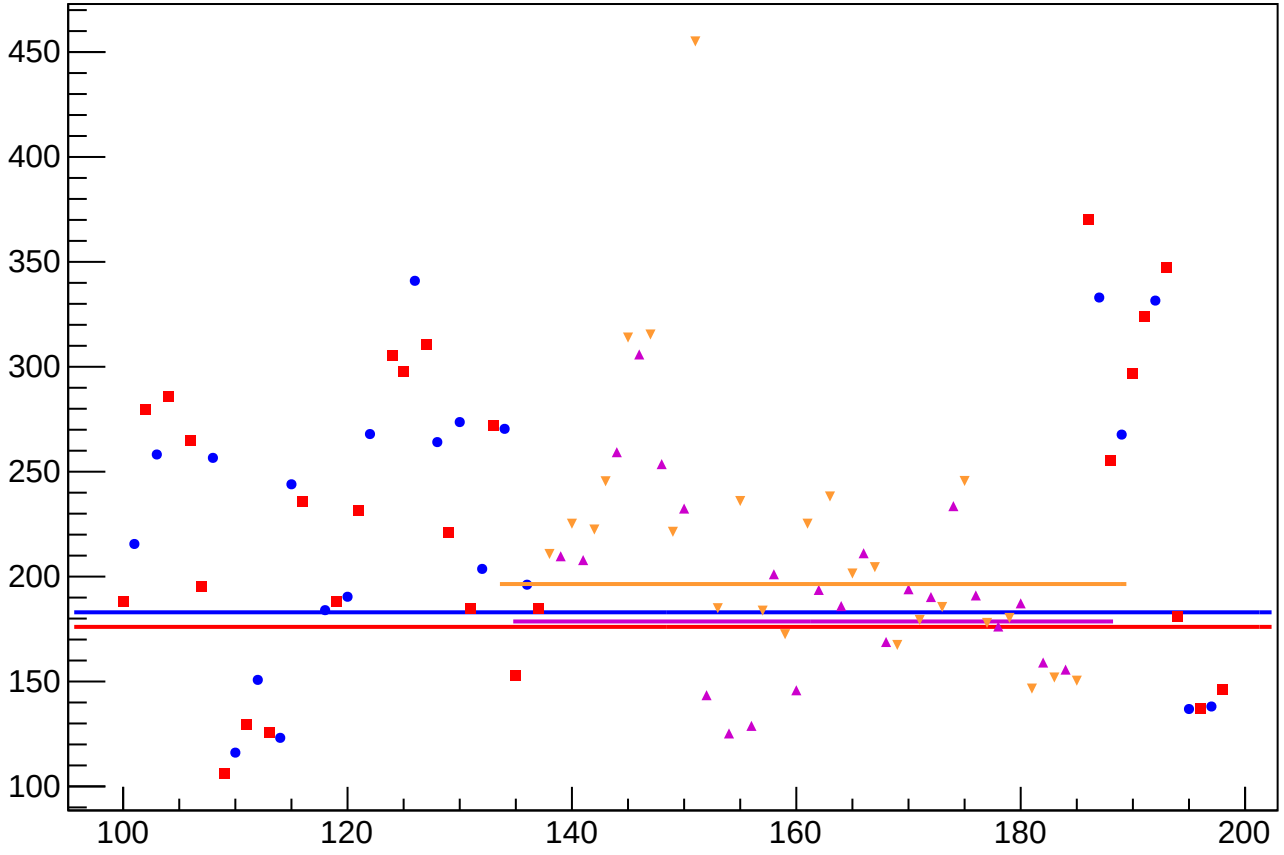
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 45.698+/-36.607 χ^2/NDF: 43.2/45

All: 15.854+/-24.834 χ^2/NDF: 84.3/95

- sign -9.594+/-33.803 χ^2/NDF: 39.8/49

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 182.981+/-0.042 χ^2/NDF: 2032820.9/20

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 176.034+/-0.038 χ^2/NDF: 2856078.6/26

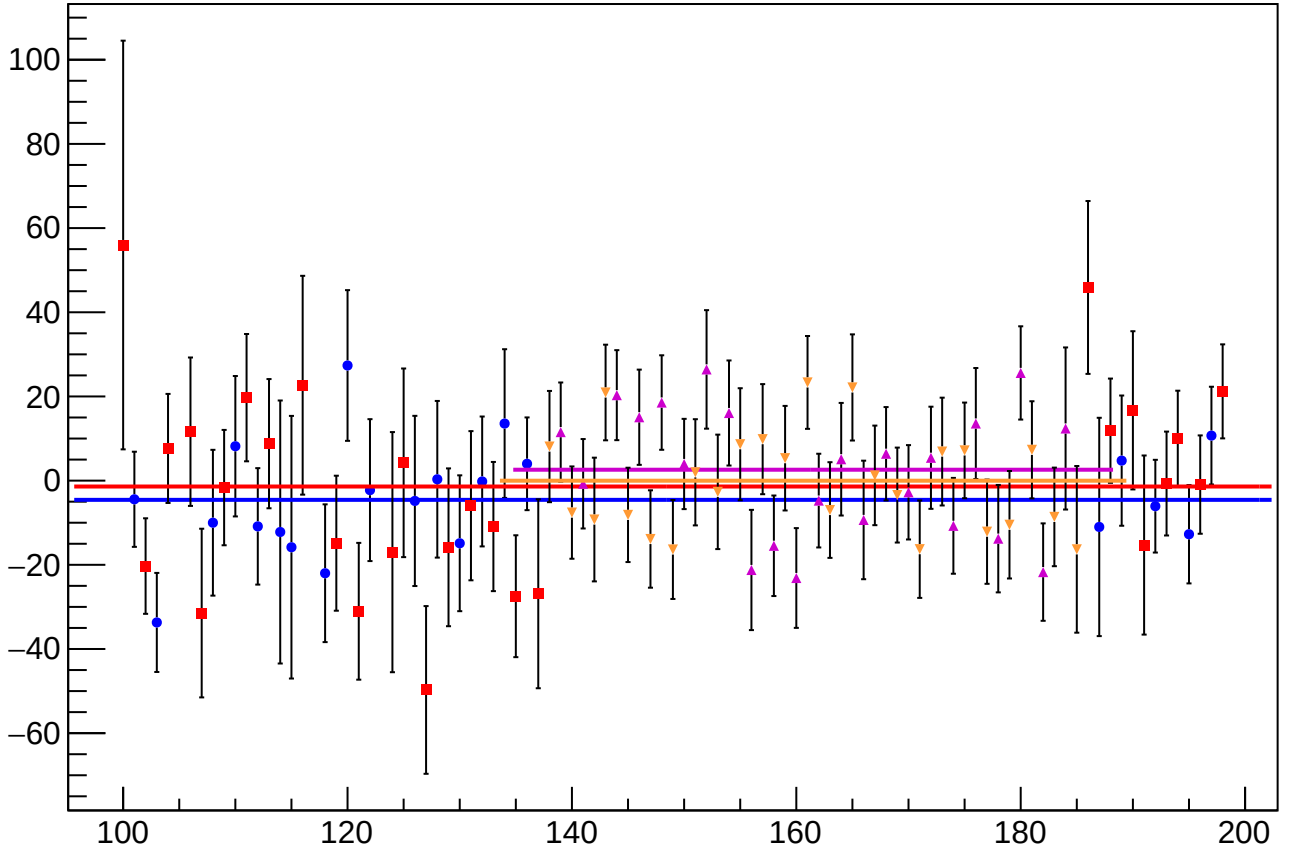
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 191.401+/-0.026 χ^2/NDF: 3915066.4/45

All: 183.942+/-0.018 χ^2/NDF: 8606653.6/95

- sign 177.582+/-0.024 χ^2/NDF: 4537735.6/49

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -4.566+/-3.277 χ^2/NDF: 16.4/20

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -1.398+/-3.024 χ^2/NDF: 39.5/26

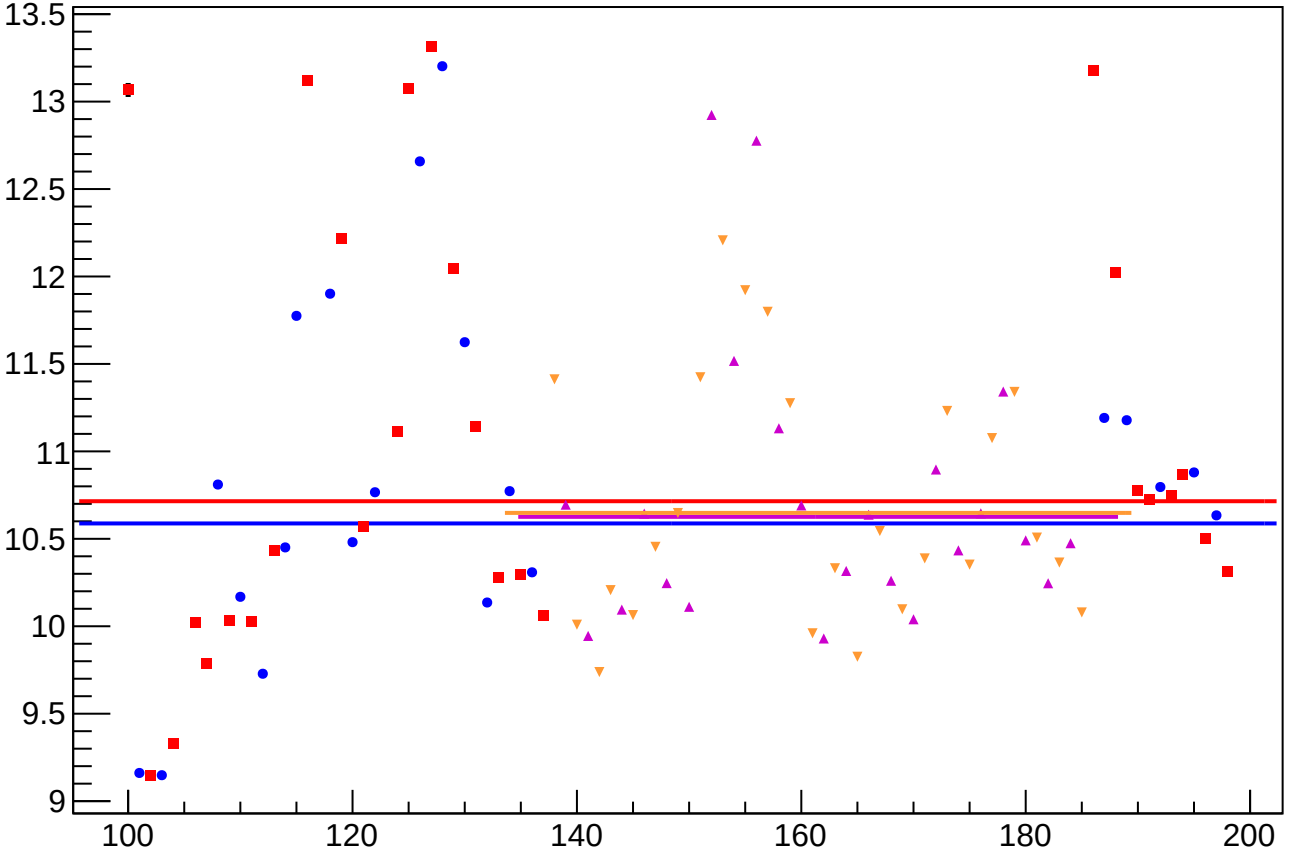
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.644+/-1.960 χ^2/NDF: 41.4/45

All: -0.318+/-1.375 χ^2/NDF: 117.6/95

- sign 0.967+/-1.930 χ^2/NDF: 75.3/49

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.588+/-0.002 χ^2/NDF: 165126.4/20

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.715+/-0.002 χ^2/NDF: 245403.2/26

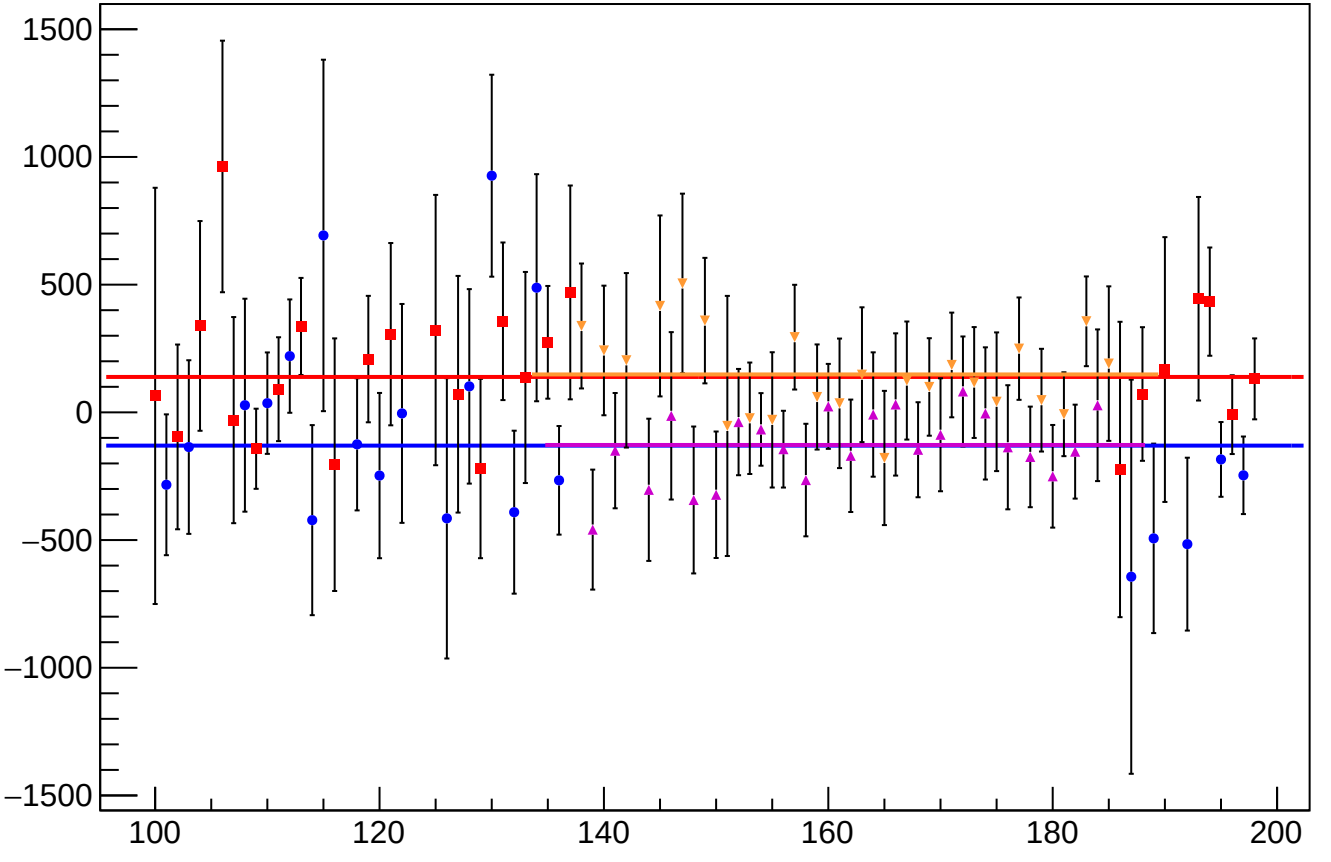
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.627+/-0.001 χ^2/NDF: 309098.2/45

All: 10.645+/-0.001 χ^2/NDF: 715409.2/95

- sign 10.662+/-0.001 χ^2/NDF: 405980.6/49

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -130.252+/-60.425 χ^2/NDF: 20.1/20

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 138.644+/-54.489 χ^2/NDF: 15.4/24

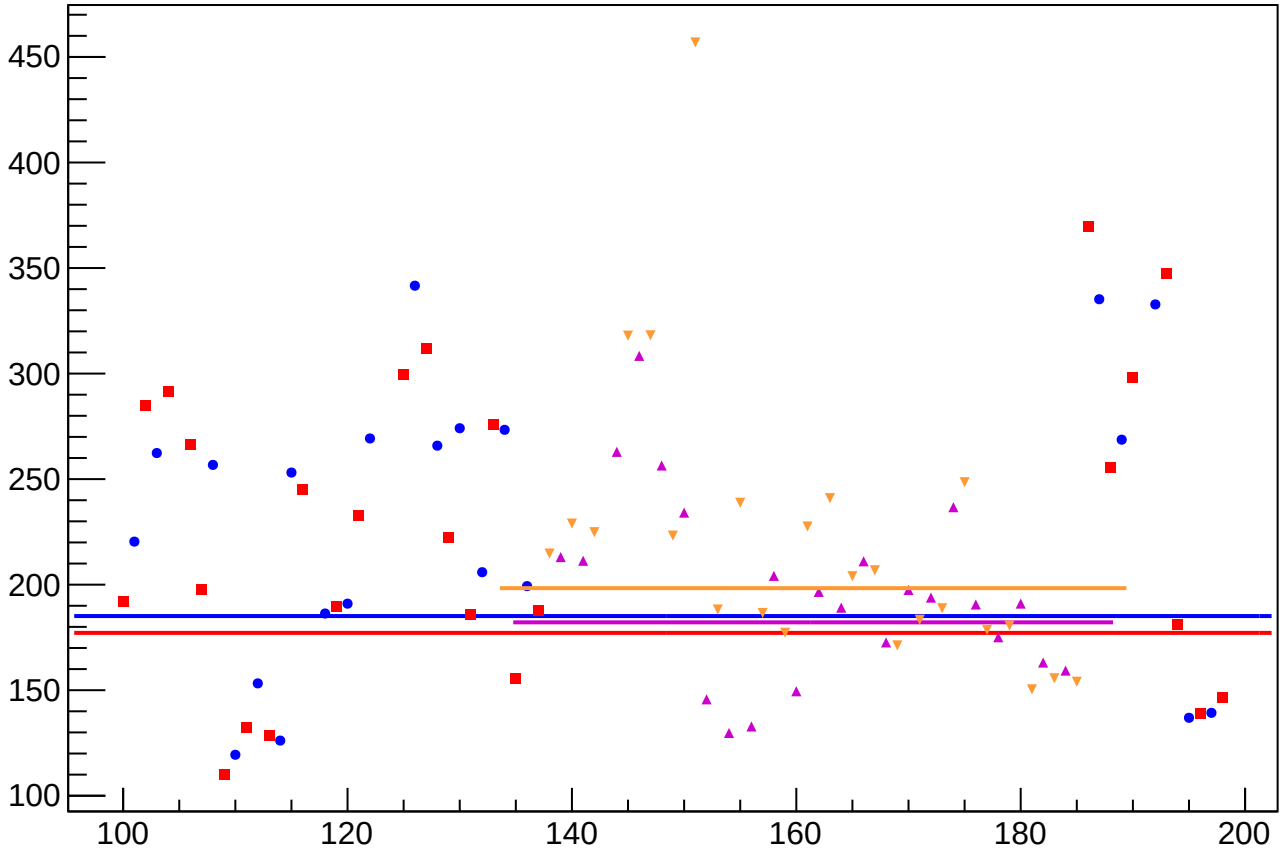
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 41.389+/-37.450 χ^2/NDF: 43.1/44

All: 7.389+/-25.347 χ^2/NDF: 82.2/92

- sign -21.352+/-34.432 χ^2/NDF: 37.6/47

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 185.125+/-0.043 χ^2/NDF: 2009955.4/20

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 177.161+/-0.039 χ^2/NDF: 2612091.3/24

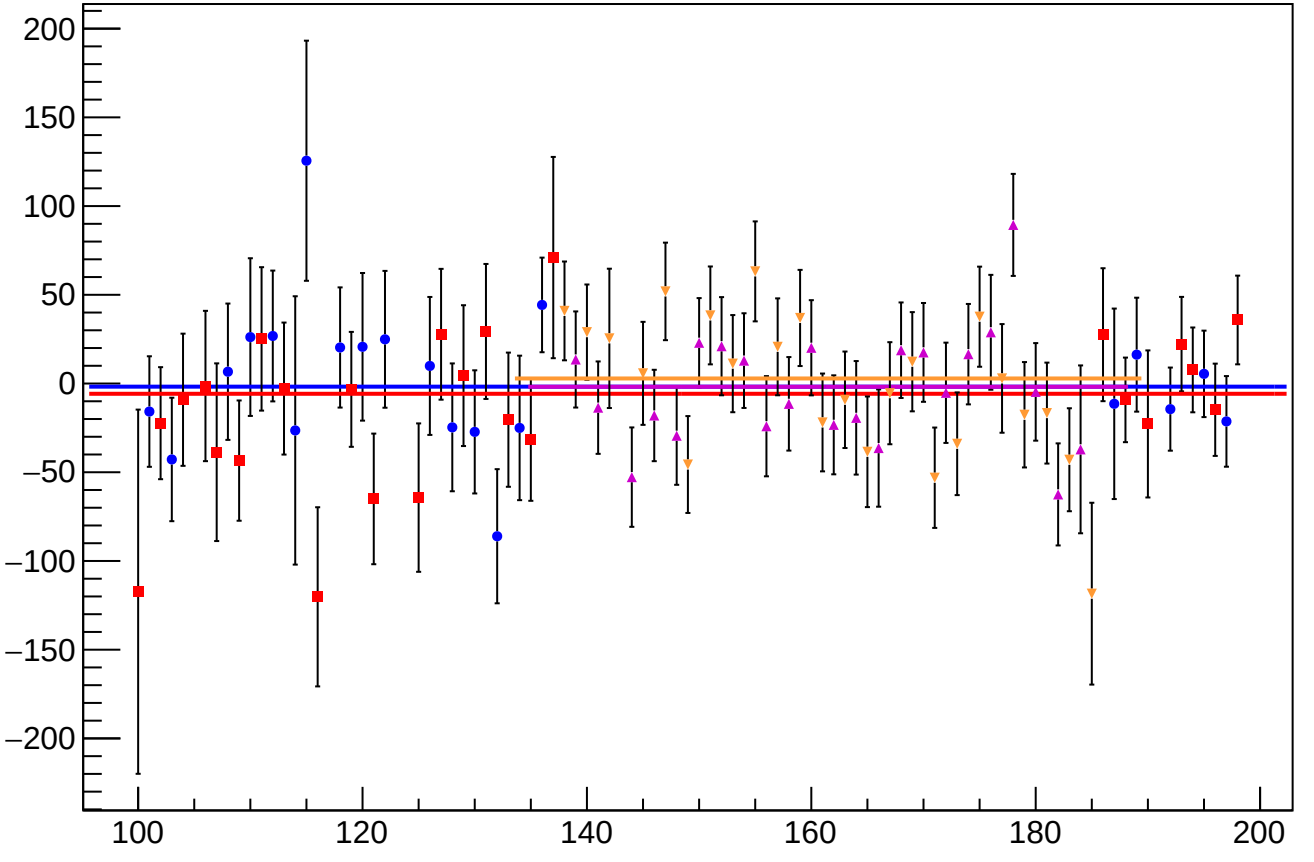
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 193.271+/-0.026 χ^2/NDF: 3766028.5/44

All: 186.165+/-0.018 χ^2/NDF: 8105433.8/92

- sign 180.158+/-0.024 χ^2/NDF: 4206523.3/47

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -1.763+/-7.533 χ^2/NDF: 18.1/20

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -5.783+/-6.927 χ^2/NDF: 23.0/24

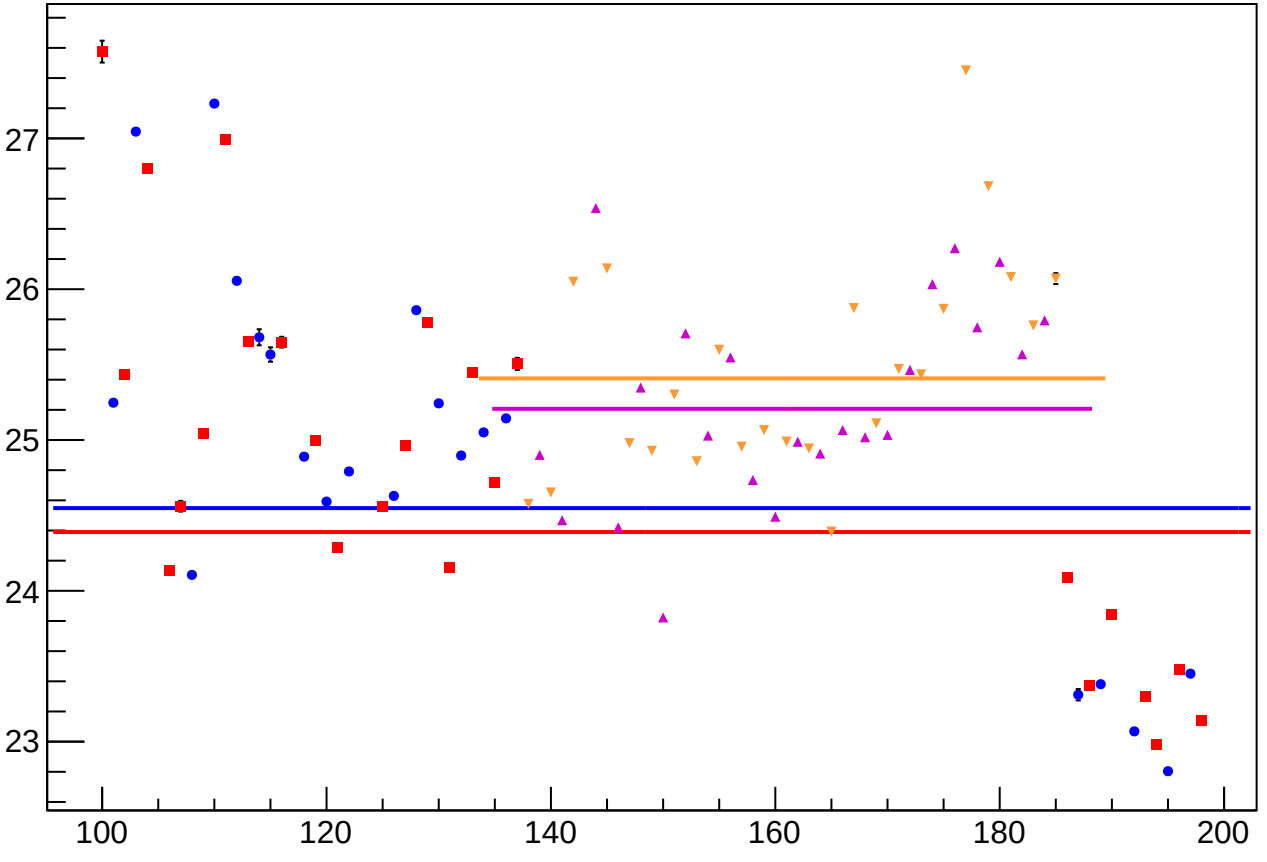
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.095+/-4.647 χ^2/NDF: 55.3/44

All: -1.283+/-3.228 χ^2/NDF: 107.0/92

- sign -3.502+/-4.488 χ^2/NDF: 51.3/47

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.548+/-0.005 χ^2/NDF: 53974.0/20

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.390+/-0.005 χ^2/NDF: 53337.4/24

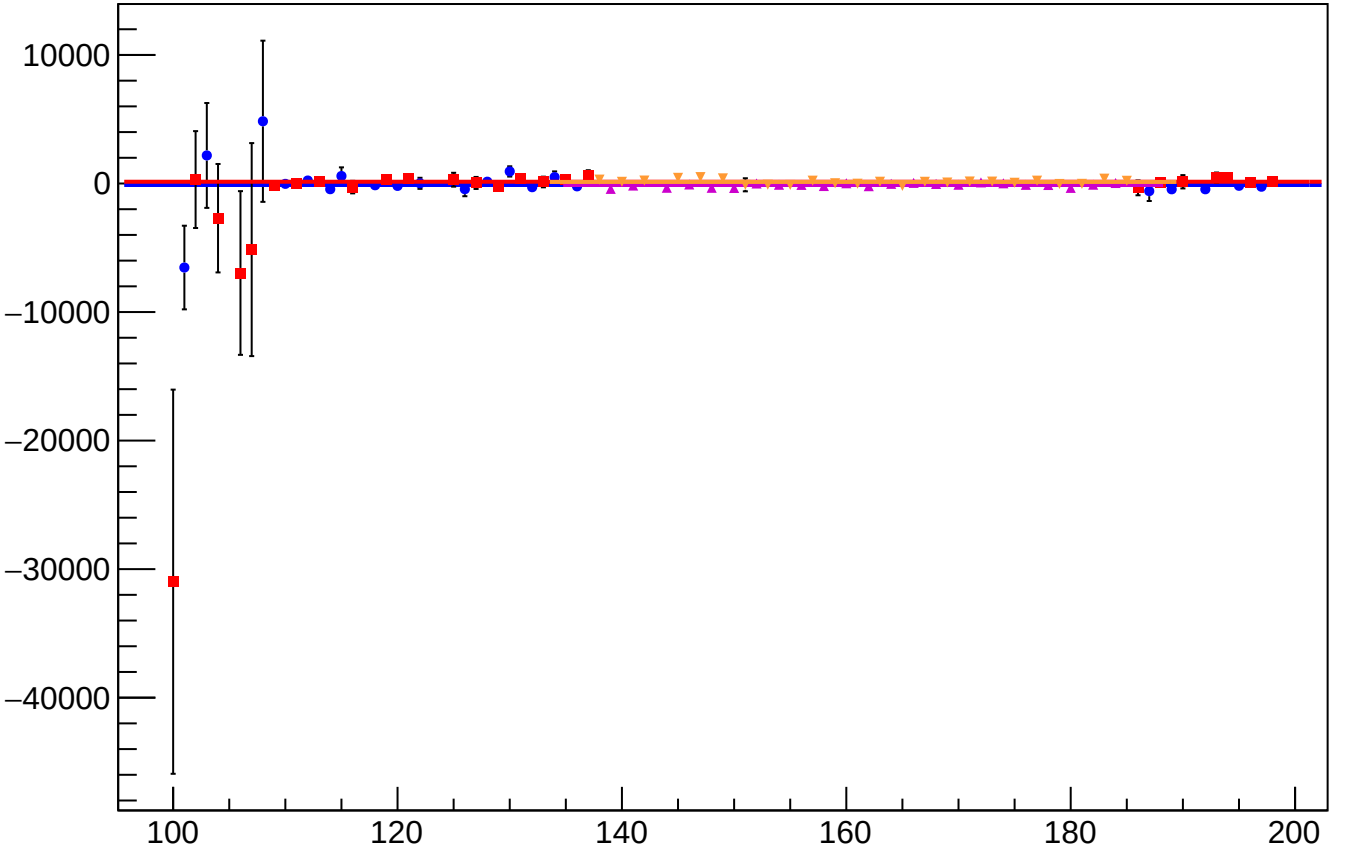
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.081+/-0.003 χ^2/NDF: 96994.5/44

All: 24.969+/-0.002 χ^2/NDF: 194569.8/92

- sign 24.864+/-0.003 χ^2/NDF: 95306.9/47

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -115.490+/-64.251 χ^2/NDF: 22.8/20

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 137.582+/-58.847 χ^2/NDF: 17.9/24

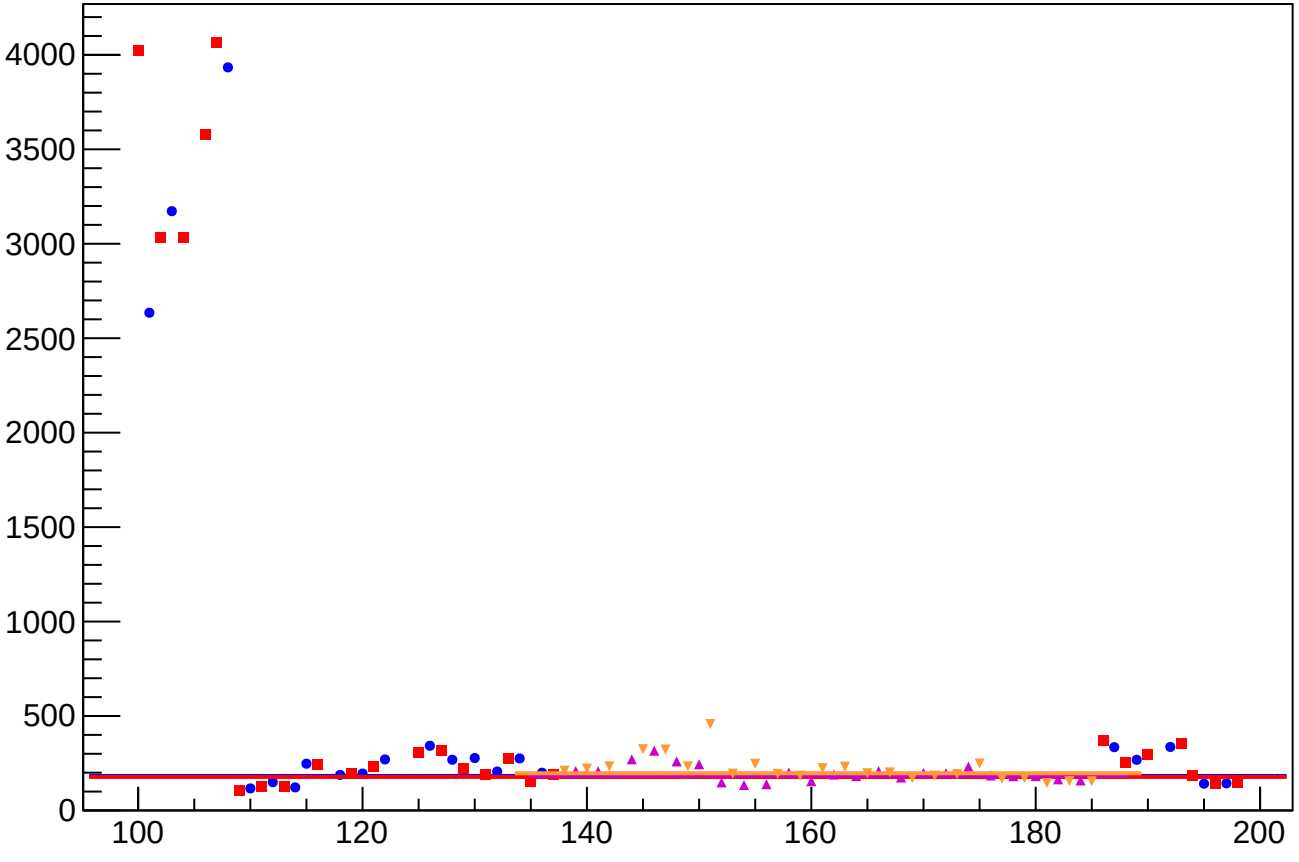
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 37.058+/-38.164 χ^2/NDF: 43.5/44

All: 4.897+/-26.048 χ^2/NDF: 83.0/92

- sign -23.147+/-35.639 χ^2/NDF: 38.1/47

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 182.594+/-0.045 χ^2/NDF: 4713792.0/20

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 177.381+/-0.042 χ^2/NDF: 5299240.2/24

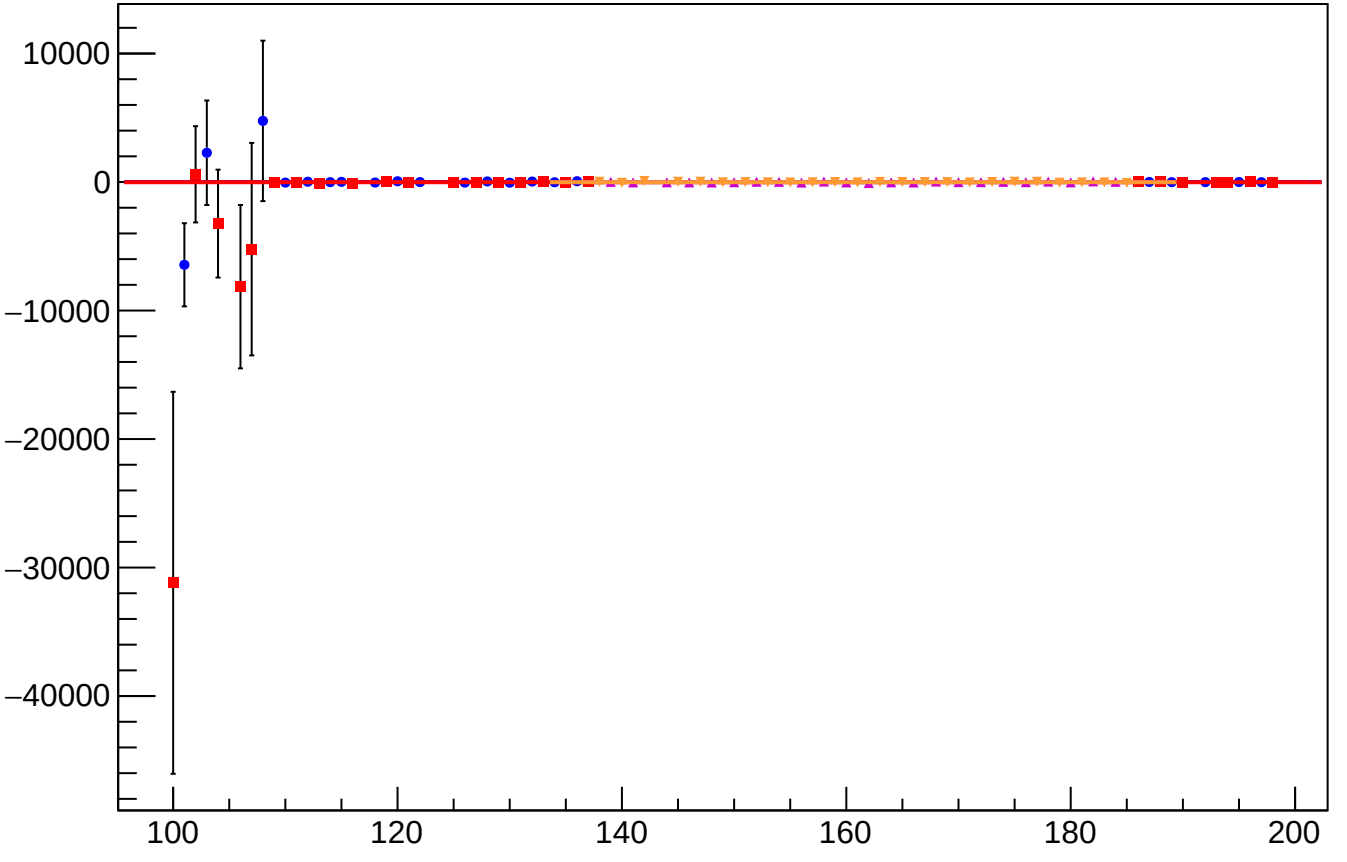
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 191.875+/-0.027 χ^2/NDF: 6587546.3/44

All: 186.389+/-0.018 χ^2/NDF: 13425852.2/92

- sign 181.605+/-0.025 χ^2/NDF: 6760933.9/47

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 1.808+/-9.188 χ^2/NDF: 18.8/20

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -12.978+/-8.636 χ^2/NDF: 27.1/24

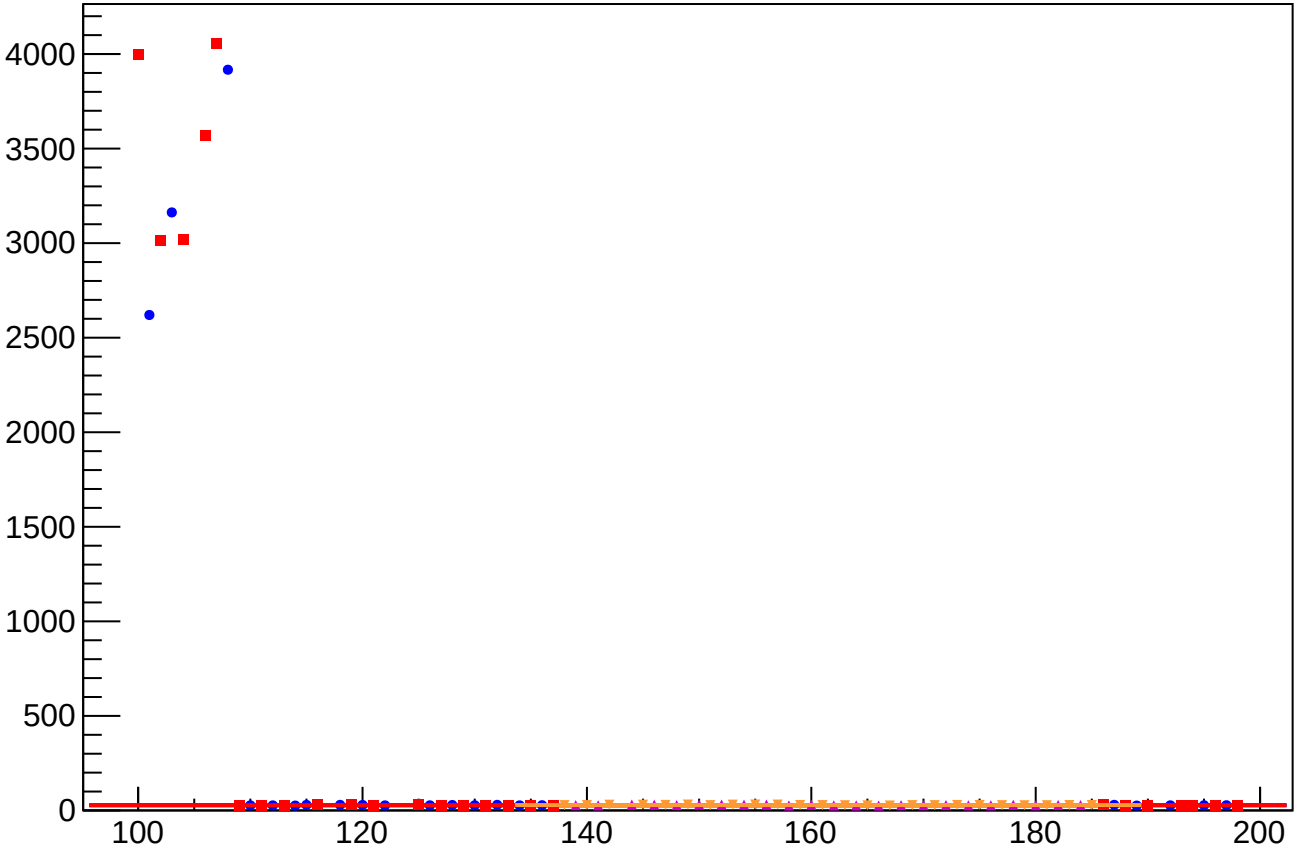
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.667+/-5.389 χ^2/NDF: 37.6/44

All: -6.587+/-3.782 χ^2/NDF: 87.7/92

- sign -6.508+/-5.310 χ^2/NDF: 50.1/47

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.554+/-0.006 χ^2/NDF: 3274767.1/20

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.736+/-0.006 χ^2/NDF: 3575988.3/24

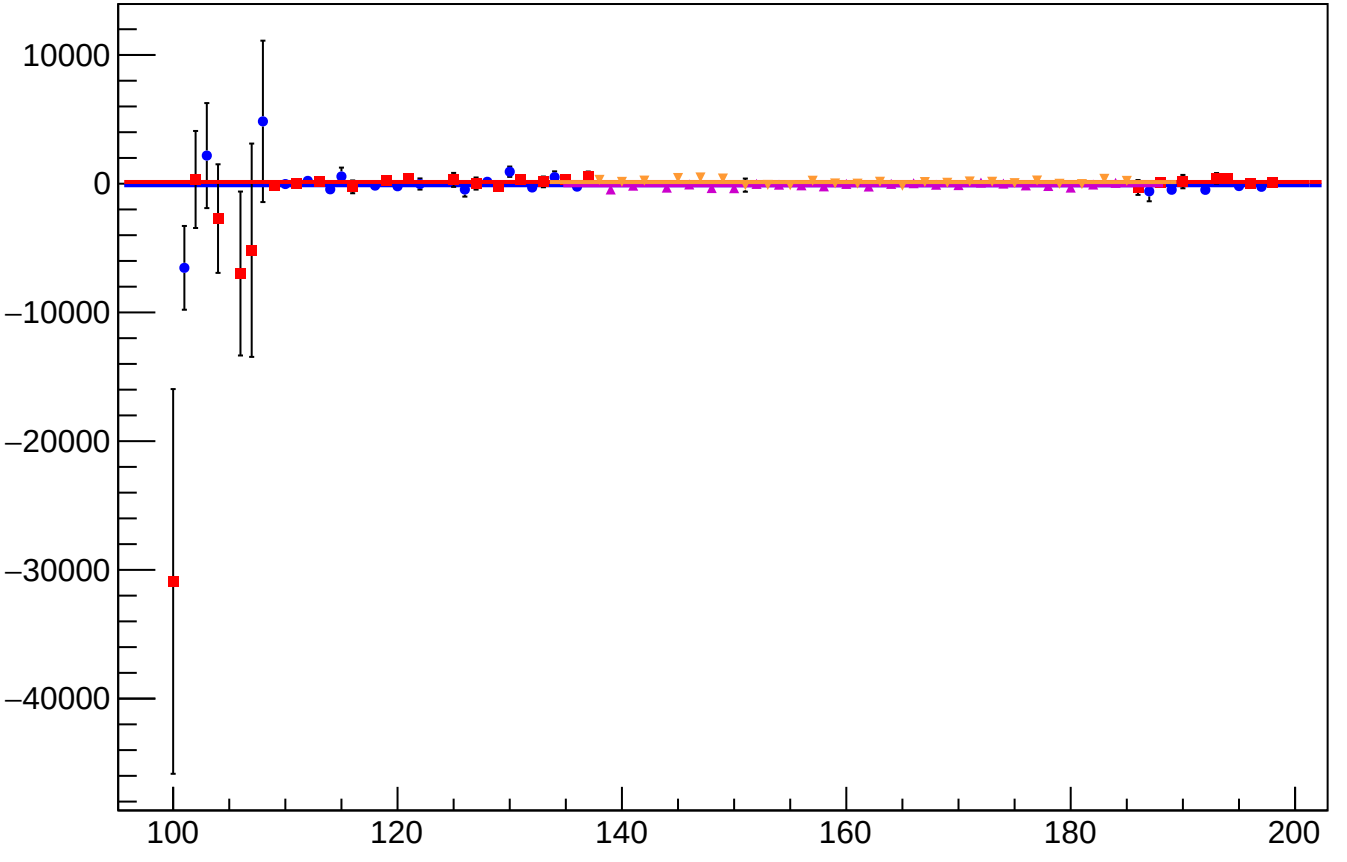
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.235+/-0.004 χ^2/NDF: 3372512.9/44

All: 28.295+/-0.003 χ^2/NDF: 7092765.7/92

\- sign 28.353+/-0.004 χ^2/NDF: 3719768.7/47

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -121.117+/-64.594 χ^2/NDF: 22.7/20

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 133.703+/-59.162 χ^2/NDF: 16.6/24

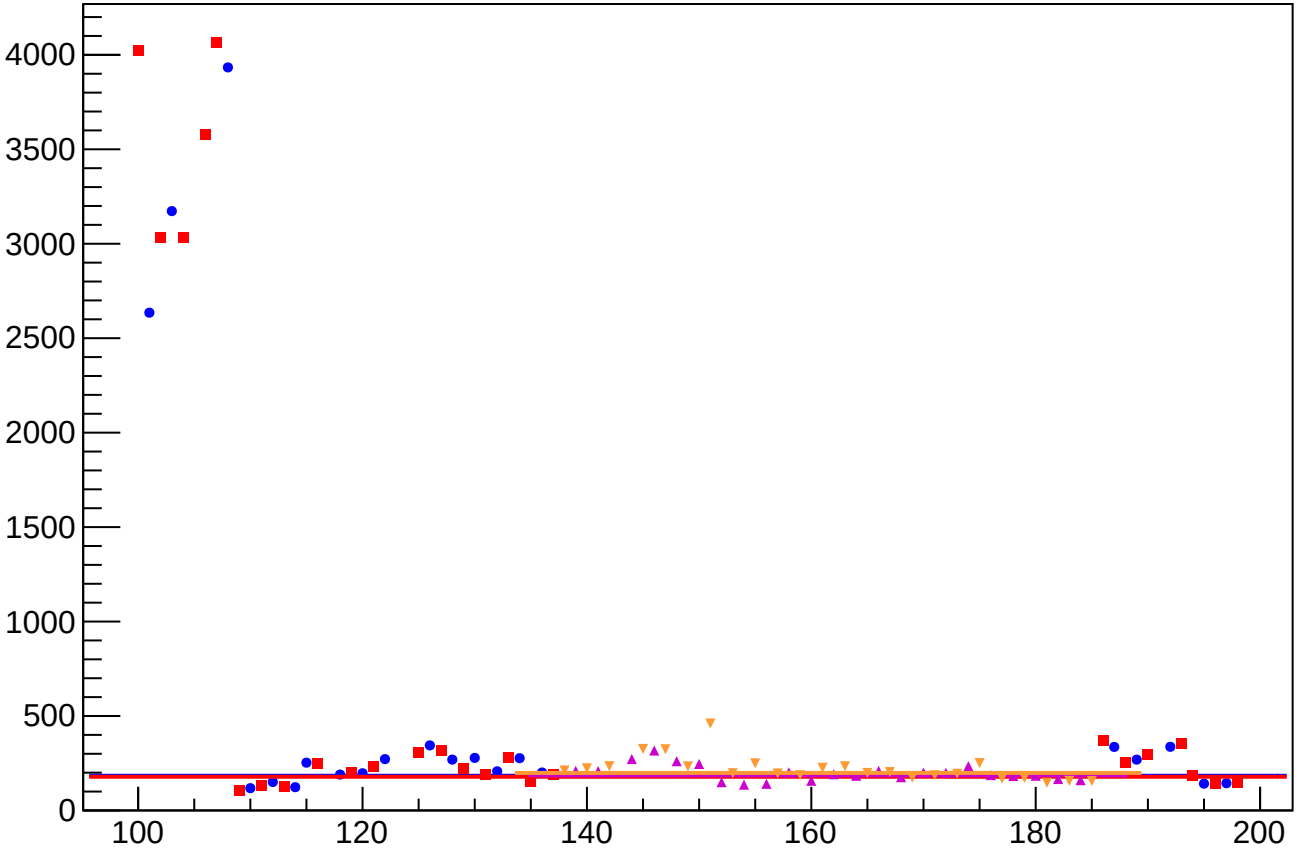
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 38.677+/-38.451 χ^2/NDF: 43.8/44

All: 2.924+/-26.247 χ^2/NDF: 81.9/92

- sign -28.271+/-35.917 χ^2/NDF: 36.5/47

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 183.611+/-0.046 χ^2/NDF: 4707238.3/20

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 178.423+/-0.042 χ^2/NDF: 5283649.5/24

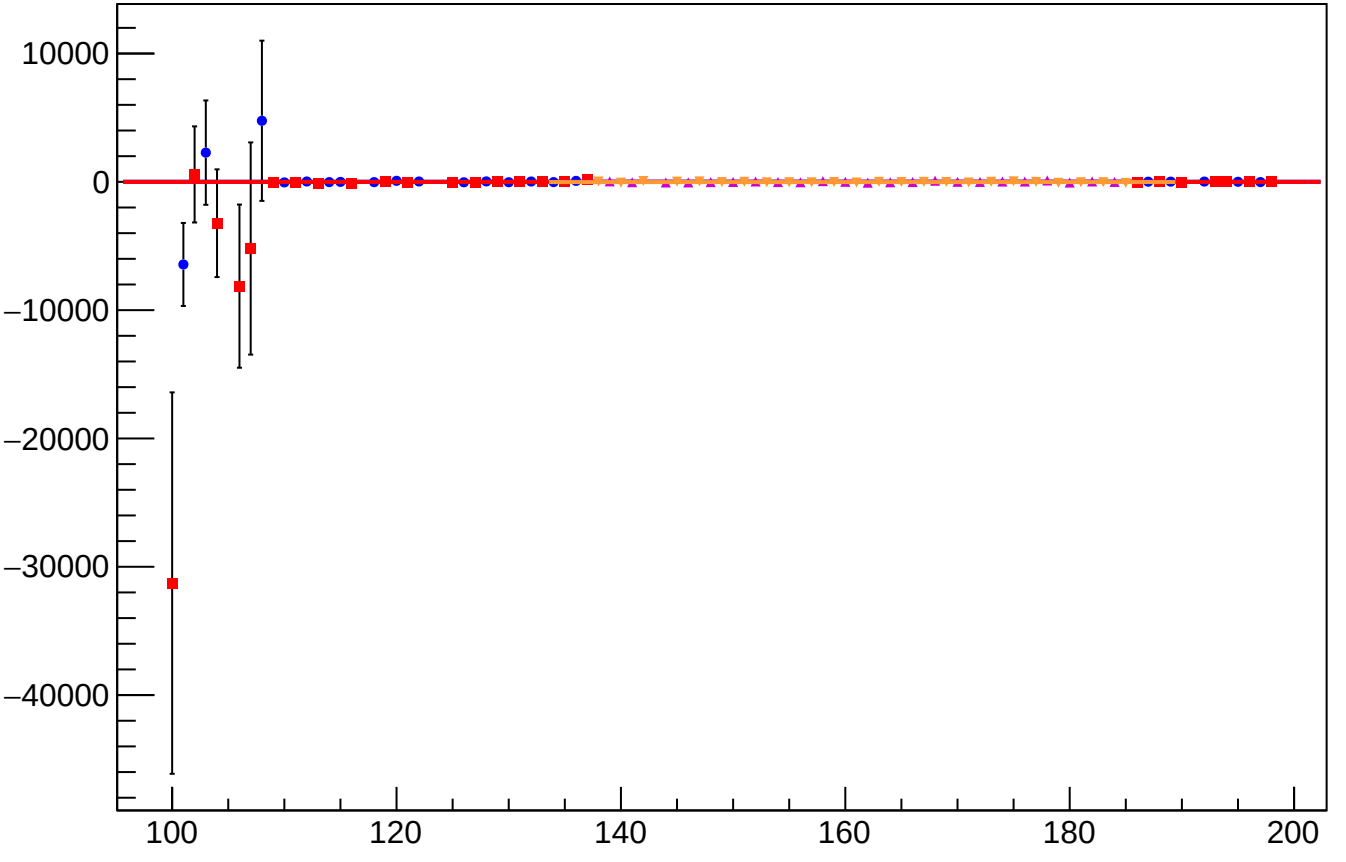
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 193.377+/-0.027 χ^2/NDF: 6564446.6/44

All: 187.903+/-0.019 χ^2/NDF: 13349541.6/92

- sign 183.126+/-0.025 χ^2/NDF: 6709191.1/47

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 10.810+/-10.176 χ^2/NDF: 16.4/20

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -5.218+/-9.540 χ^2/NDF: 34.1/24

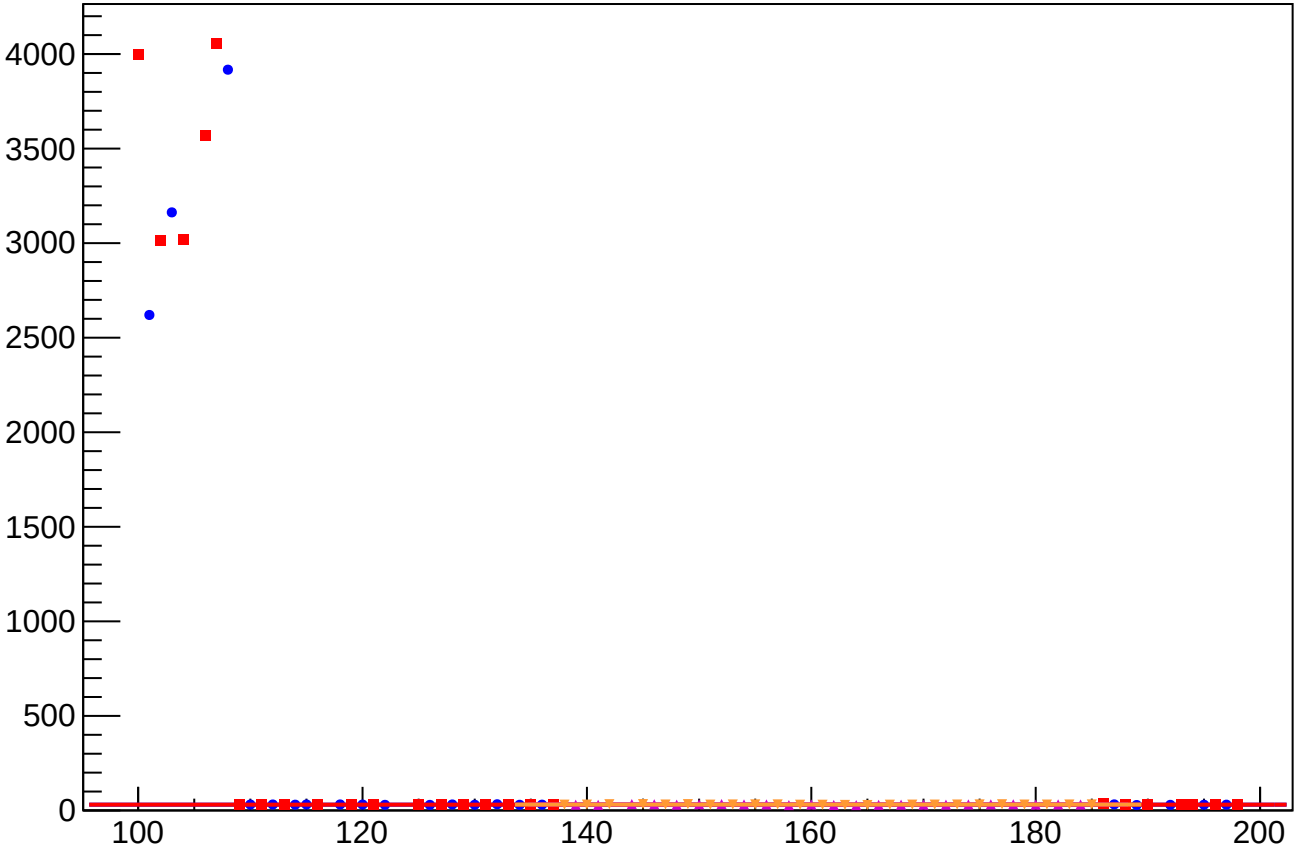
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.407+/-5.910 χ^2/NDF: 42.1/44

All: -4.263+/-4.147 χ^2/NDF: 113.2/92

- sign -0.242+/-5.821 χ^2/NDF: 70.1/47

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.537+/-0.007 χ^2/NDF: 3261832.3/20

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.664+/-0.007 χ^2/NDF: 3552289.0/24

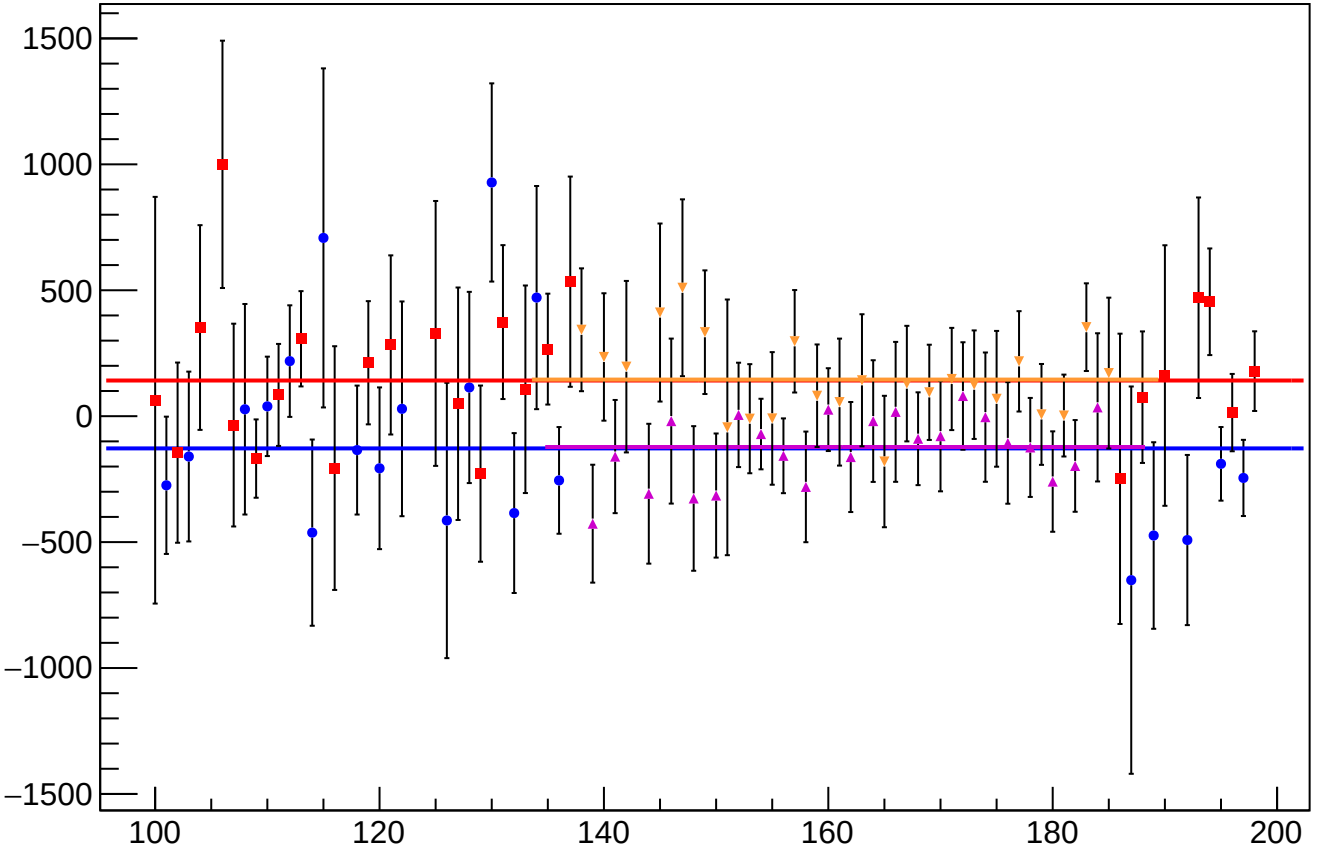
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 30.991+/-0.004 χ^2/NDF: 3315247.4/44

All: 31.053+/-0.003 χ^2/NDF: 6960255.9/92

\- sign 31.113+/-0.004 χ^2/NDF: 3644572.7/47

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -127.928+/-60.159 χ^2/NDF: 20.2/20

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 141.639+/-54.223 χ^2/NDF: 16.9/24

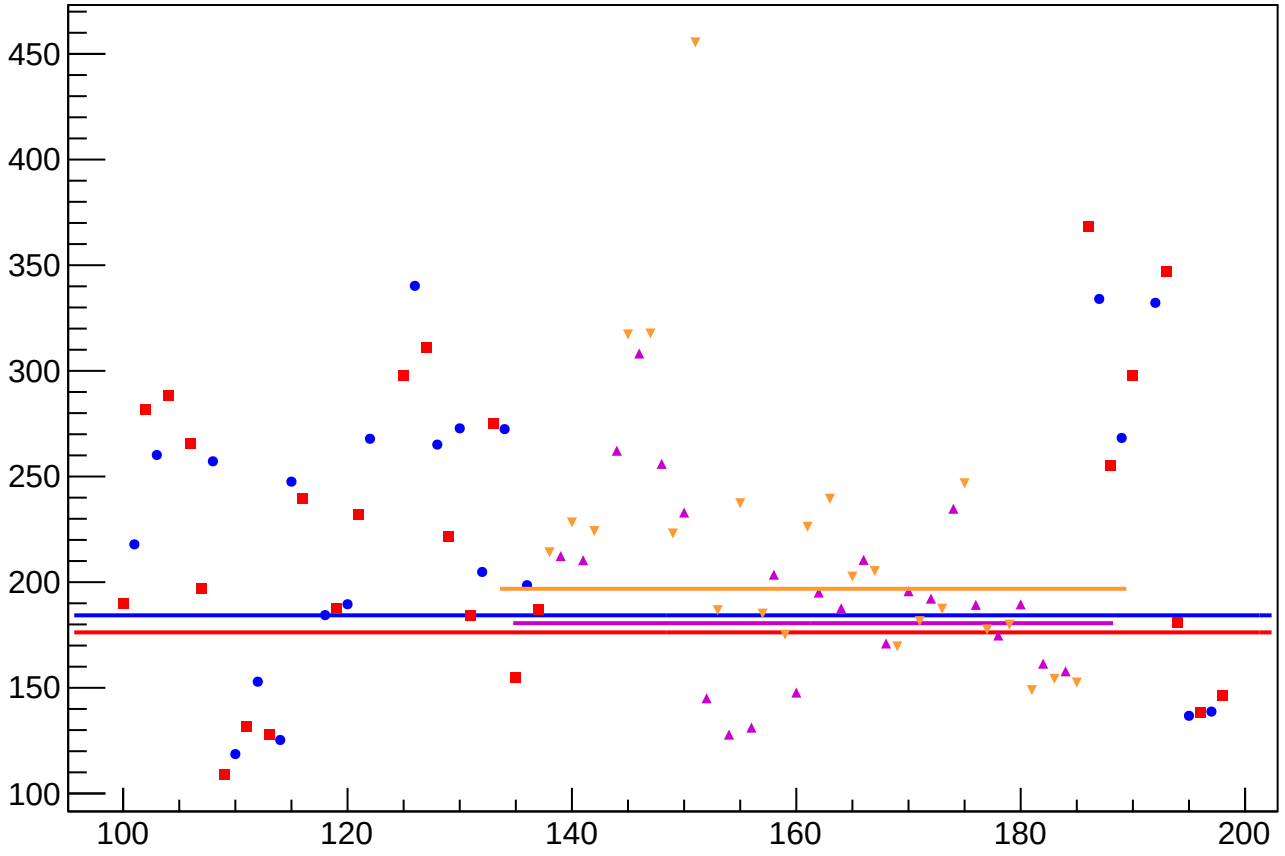
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 40.683+/-37.227 χ^2/NDF: 42.2/44

All: 9.232+/-25.187 χ^2/NDF: 82.6/92

- sign -17.319+/-34.204 χ^2/NDF: 39.1/47

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 184.310+/-0.043 χ^2/NDF: 2005905.6/20

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 176.242+/-0.038 χ^2/NDF: 2614496.6/24

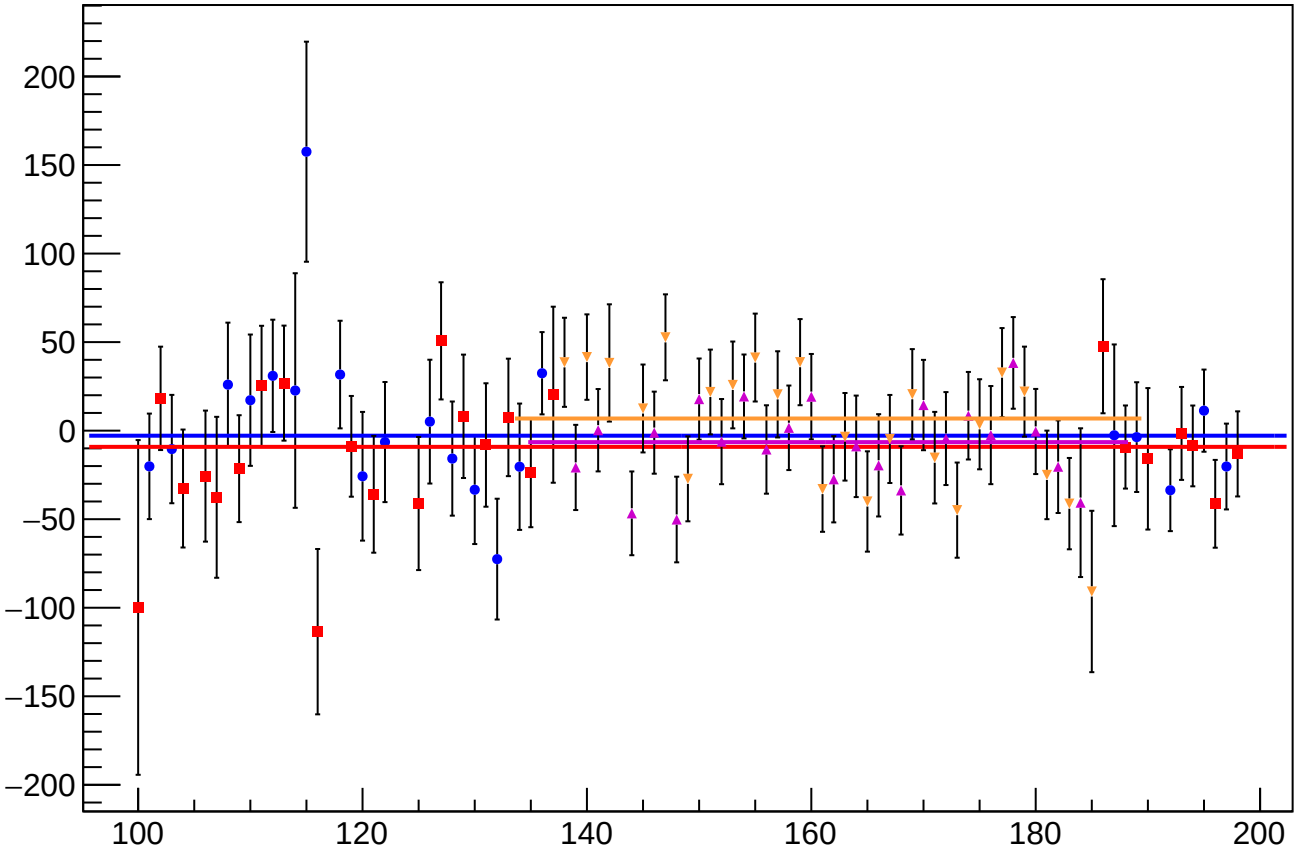
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 192.062+/-0.026 χ^2/NDF: 3784832.7/44

All: 184.907+/-0.018 χ^2/NDF: 8171439.3/92

- sign 178.867+/-0.024 χ^2/NDF: 4250350.9/47

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -2.850+/-6.880 χ^2/NDF: 21.6/20

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -9.149+/-6.397 χ^2/NDF: 20.1/24

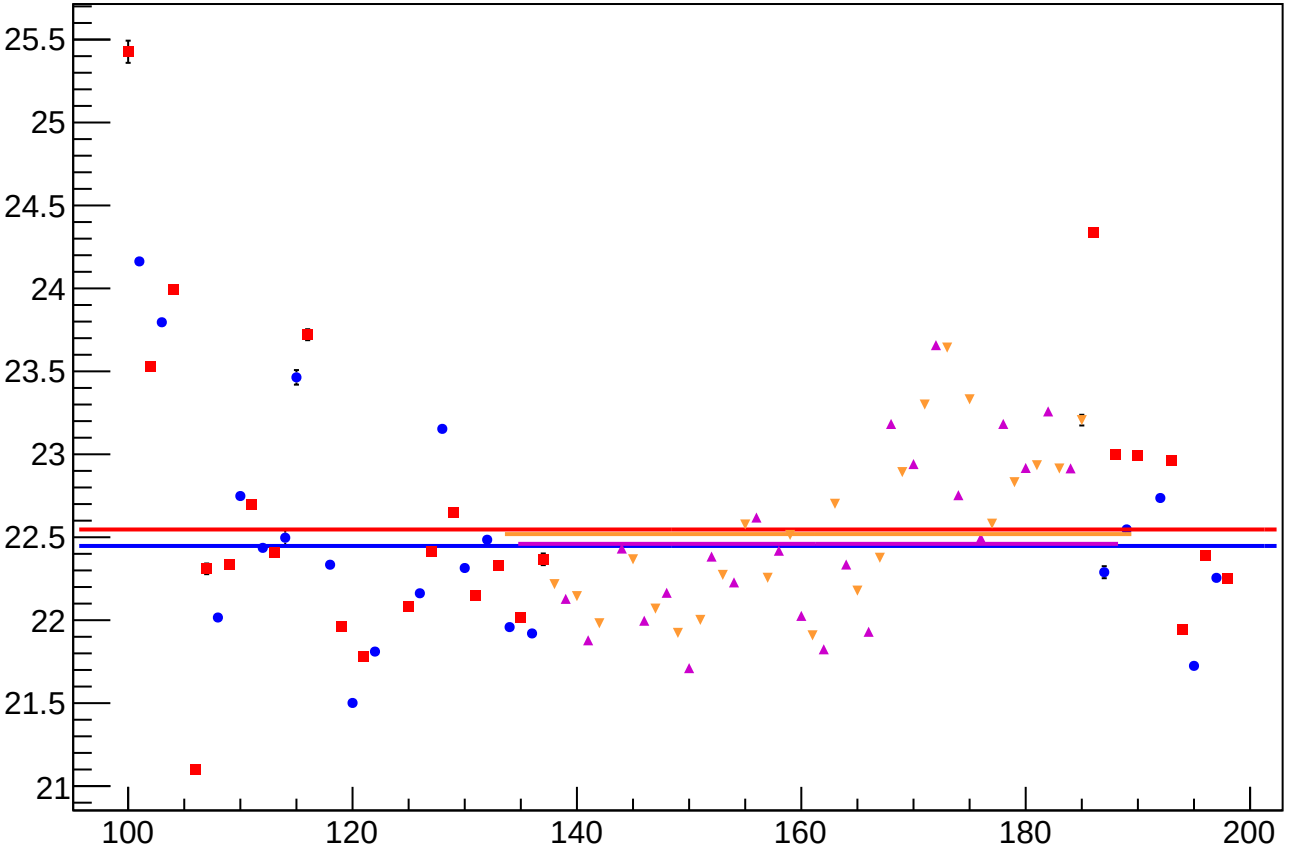
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.303+/-4.163 χ^2/NDF: 59.7/44

All: -2.266+/-2.905 χ^2/NDF: 100.9/92

- sign -7.555+/-4.057 χ^2/NDF: 37.7/47

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.448+/-0.005 χ^2/NDF: 18532.9/20

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.547+/-0.005 χ^2/NDF: 23430.5/24

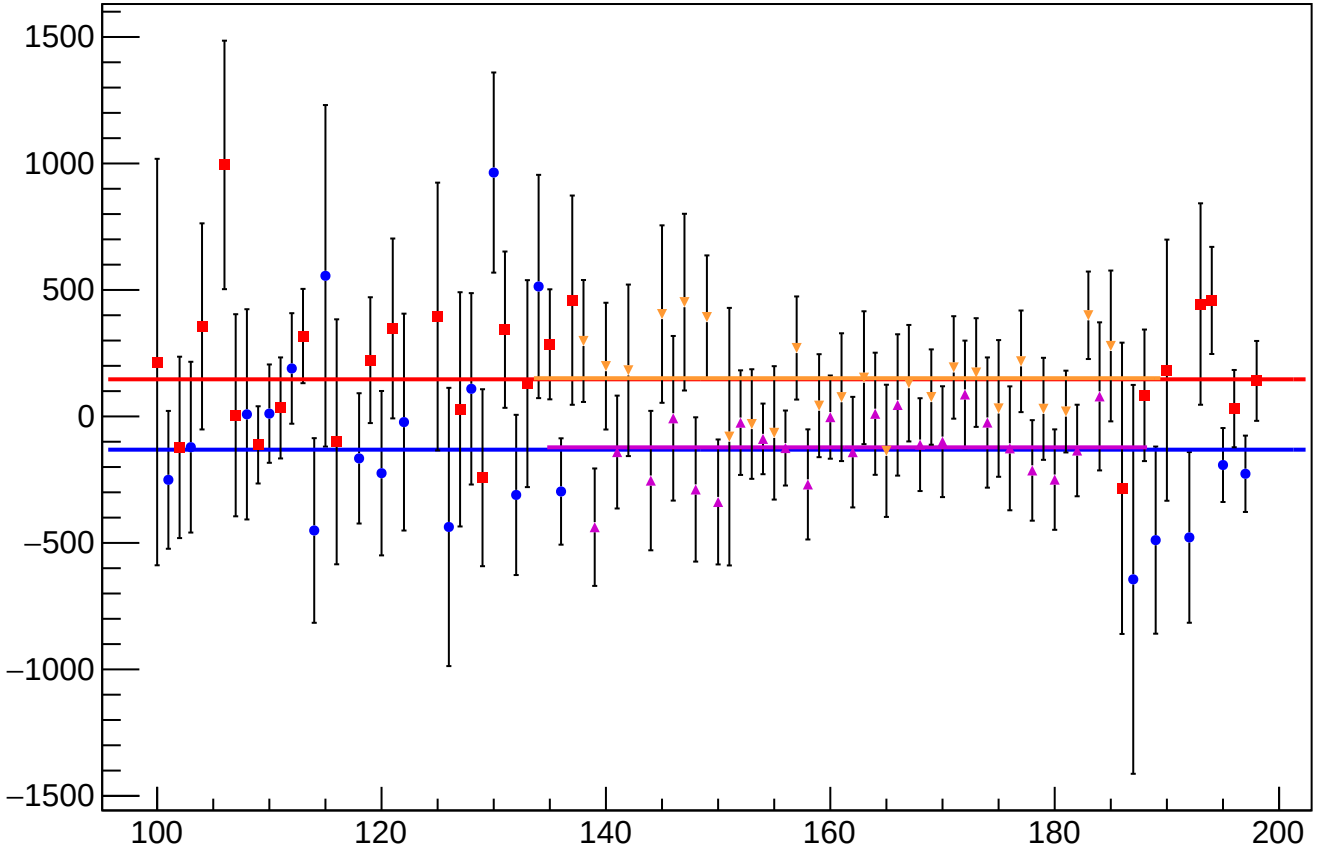
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.493+/-0.003 χ^2/NDF: 34667.8/44

All: 22.494+/-0.002 χ^2/NDF: 77434.6/92

\- sign 22.495+/-0.003 χ^2/NDF: 42766.5/47

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -131.412+/-59.971 χ^2/NDF: 19.4/20

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 146.753+/-53.928 χ^2/NDF: 15.5/24

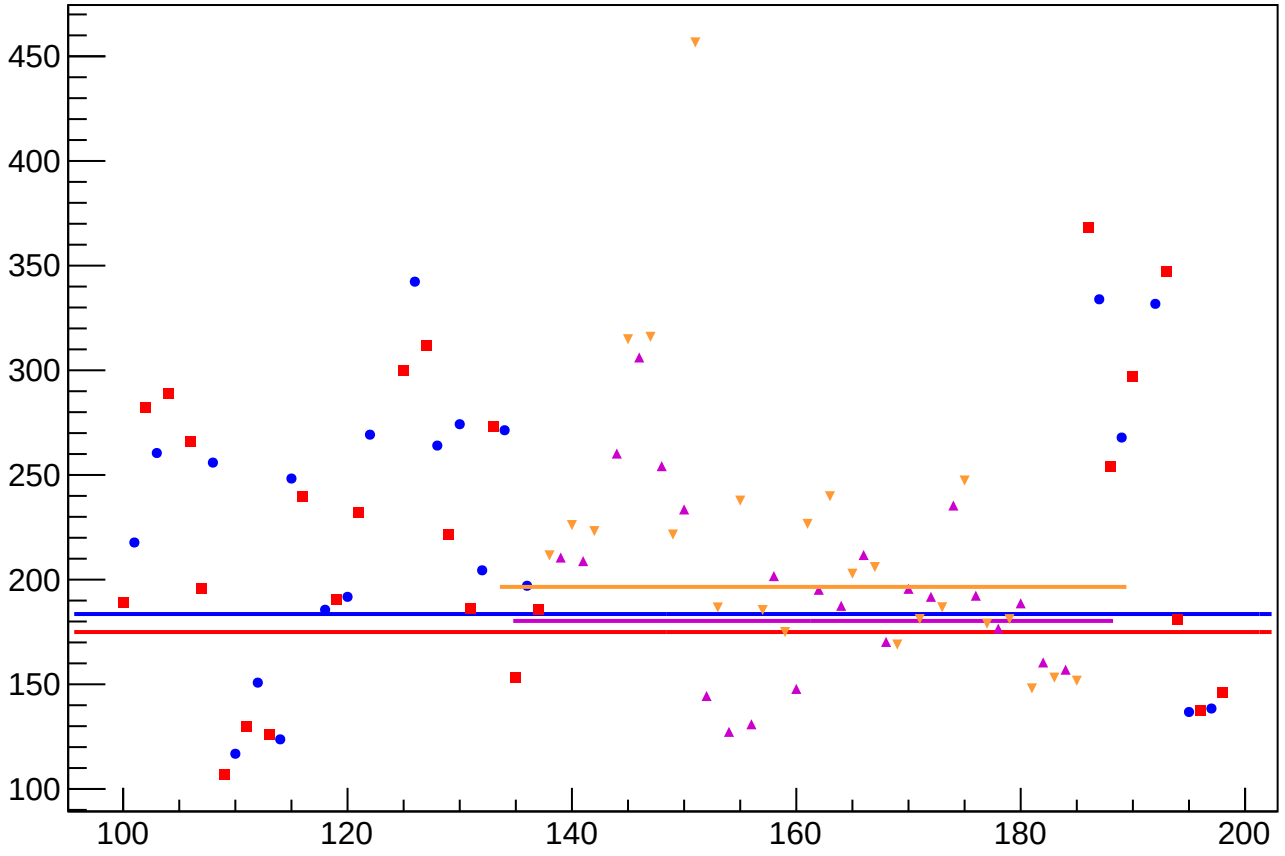
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 42.716+/-37.146 χ^2/NDF: 43.1/44

All: 11.567+/-25.118 χ^2/NDF: 82.3/92

- sign -14.674+/-34.095 χ^2/NDF: 37.9/47

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 183.568+/-0.042 χ^2/NDF: 2038662.3/20

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 174.968+/-0.038 χ^2/NDF: 2689730.3/24

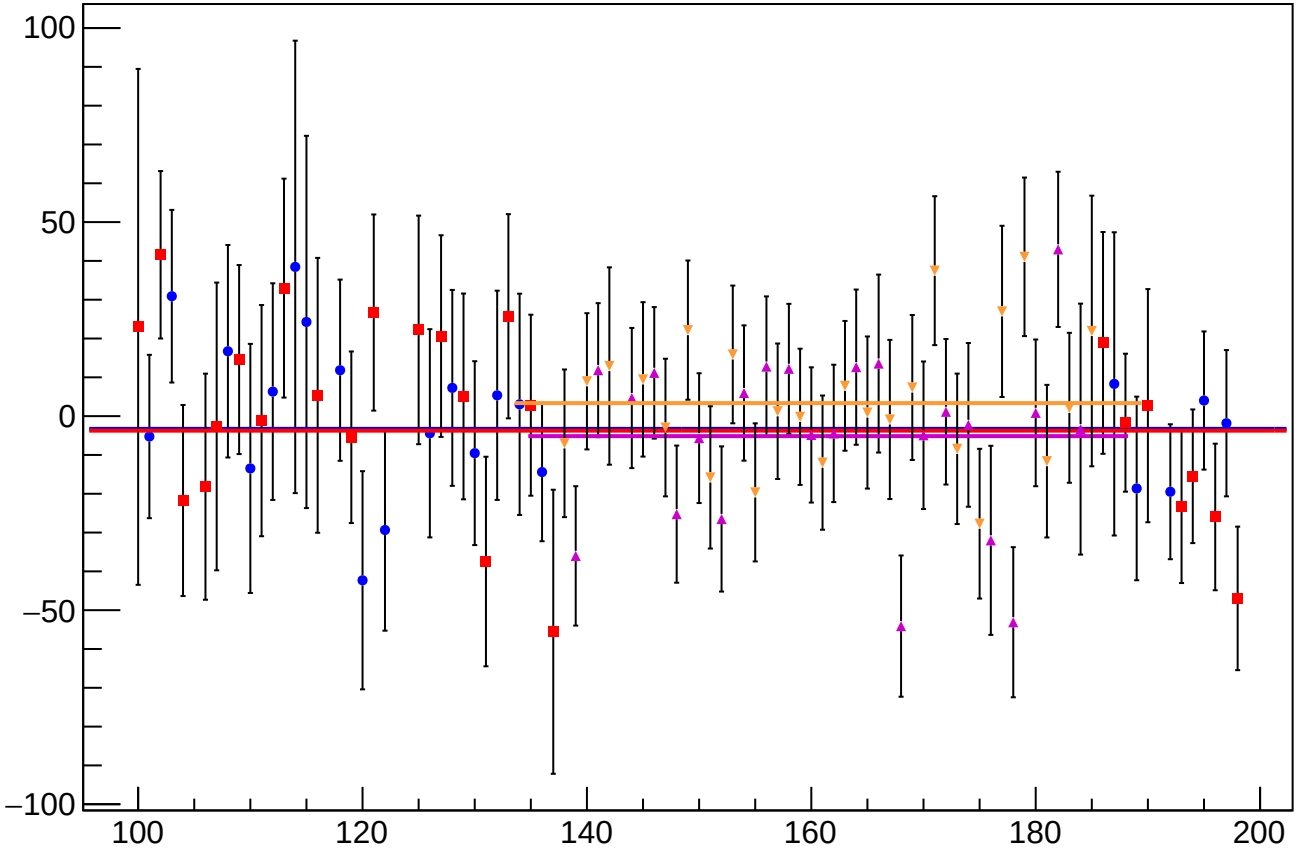
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 191.559+/-0.026 χ^2/NDF: 3824164.4/44

All: 184.283+/-0.018 χ^2/NDF: 8291579.2/92

\- sign 178.153+/-0.024 χ^2/NDF: 4326036.4/47

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -3.284+/-5.315 χ^2/NDF: 9.7/20

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -3.737+/-4.937 χ^2/NDF: 24.8/24

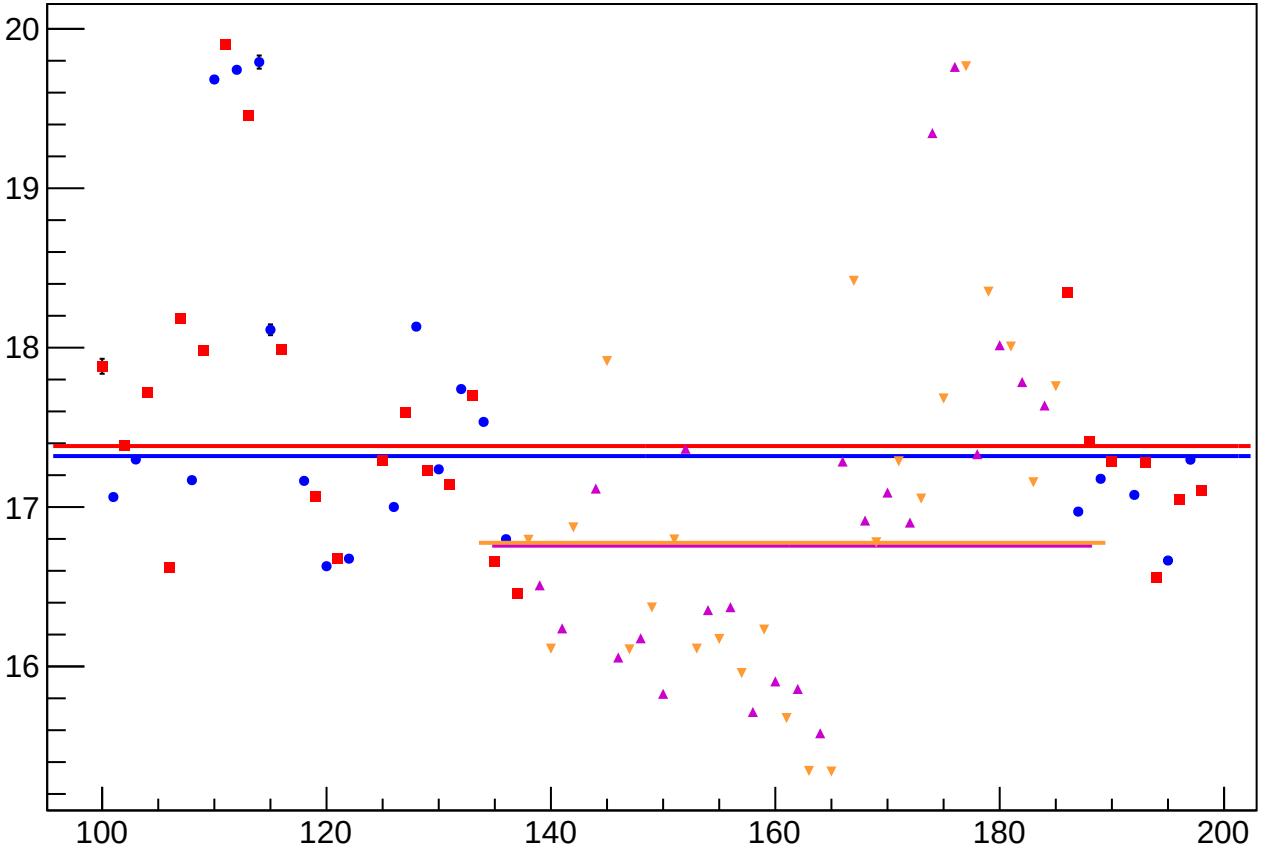
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.031+/-3.147 χ^2/NDF: 28.4/44

All: -1.854+/-2.198 χ^2/NDF: 87.1/92

- sign -4.603+/-3.072 χ^2/NDF: 57.1/47

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.320+/-0.004 χ^2/NDF: 40974.4/20

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.383+/-0.003 χ^2/NDF: 43609.2/24

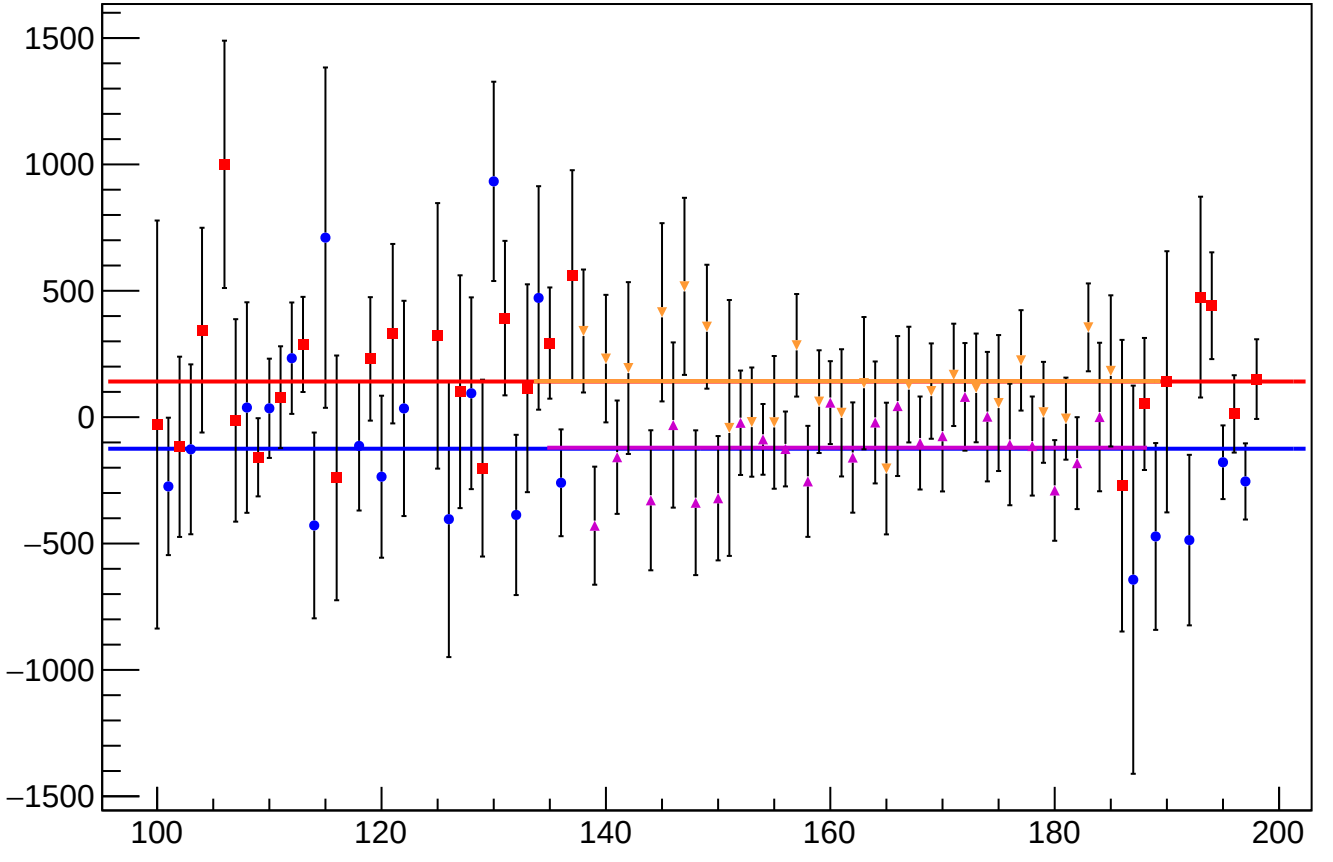
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.966+/-0.002 χ^2/NDF: 190725.7/44

All: 16.983+/-0.002 χ^2/NDF: 377393.1/92

- sign 17.000+/-0.002 χ^2/NDF: 186552.6/47

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -124.873+/-59.985 χ^2/NDF: 20.3/20

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 141.046+/-54.061 χ^2/NDF: 16.9/24

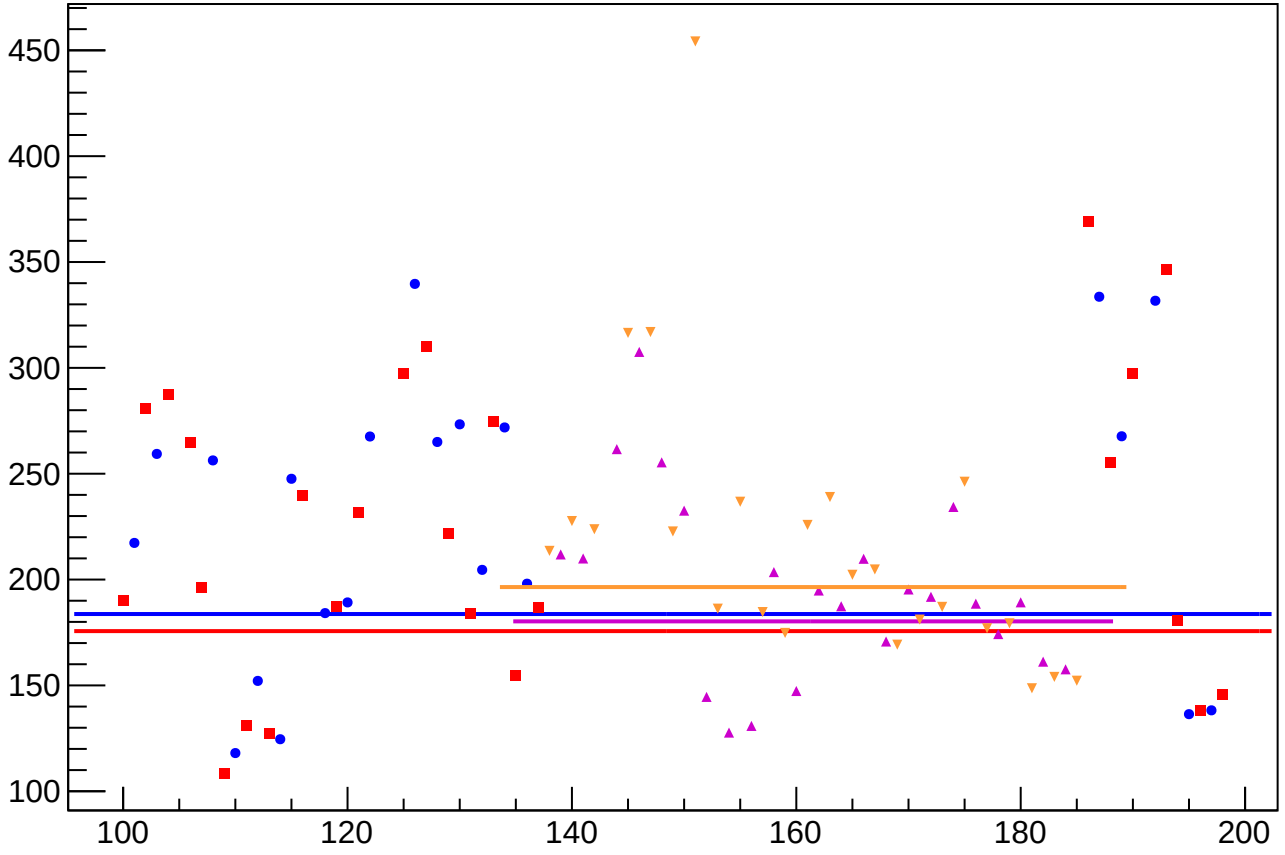
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 40.144+/-37.136 χ^2/NDF: 42.7/44

All: 9.415+/-25.126 χ^2/NDF: 83.2/92

- sign -16.531+/-34.123 χ^2/NDF: 39.2/47

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 183.718+/-0.042 χ^2/NDF: 2018241.8/20

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 175.649+/-0.038 χ^2/NDF: 2631995.1/24

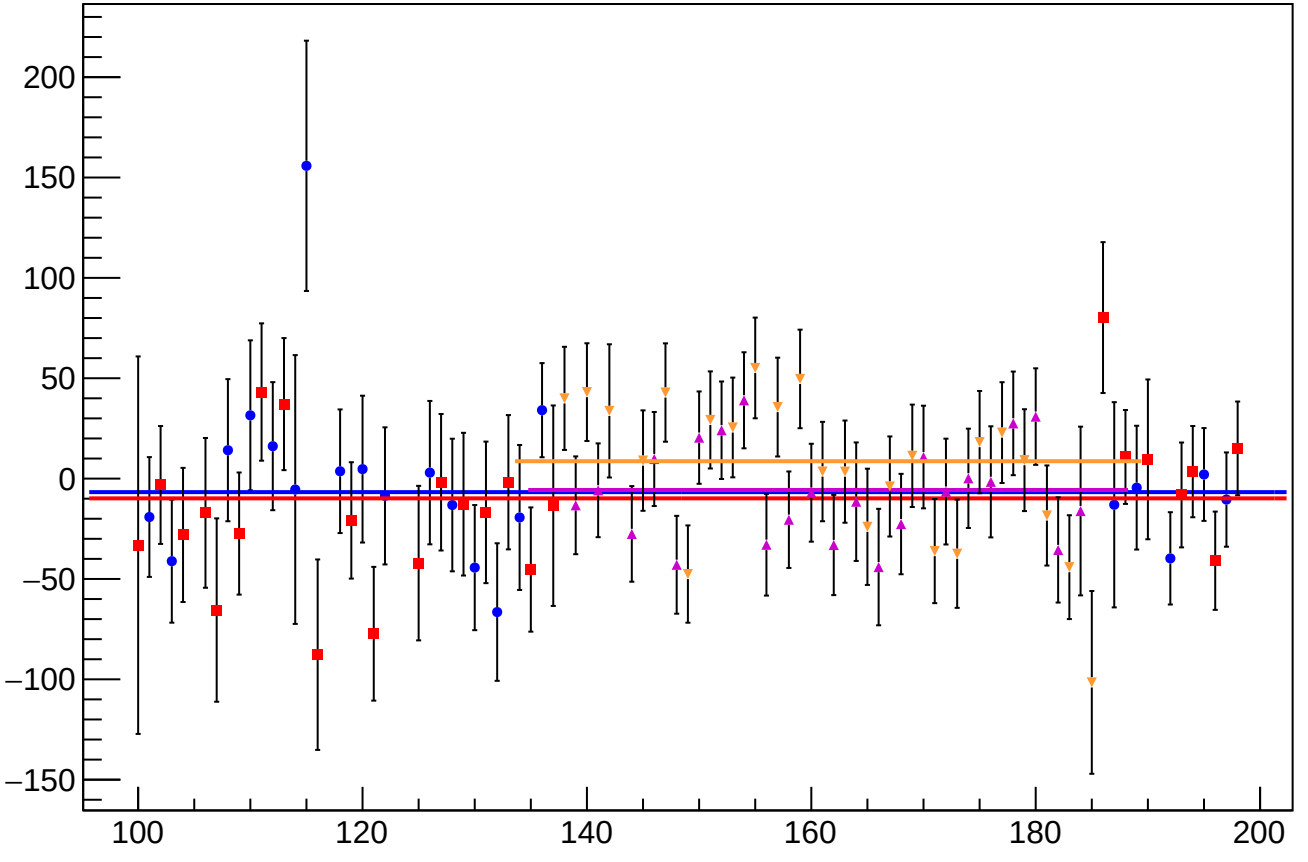
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 191.571+/-0.026 χ^2/NDF: 3797359.0/44

All: 184.438+/-0.018 χ^2/NDF: 8201933.5/92

- sign 178.415+/-0.024 χ^2/NDF: 4268480.6/47

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -6.737+/-6.901 χ^2/NDF: 20.4/20

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.848+/-6.414 χ^2/NDF: 25.7/24

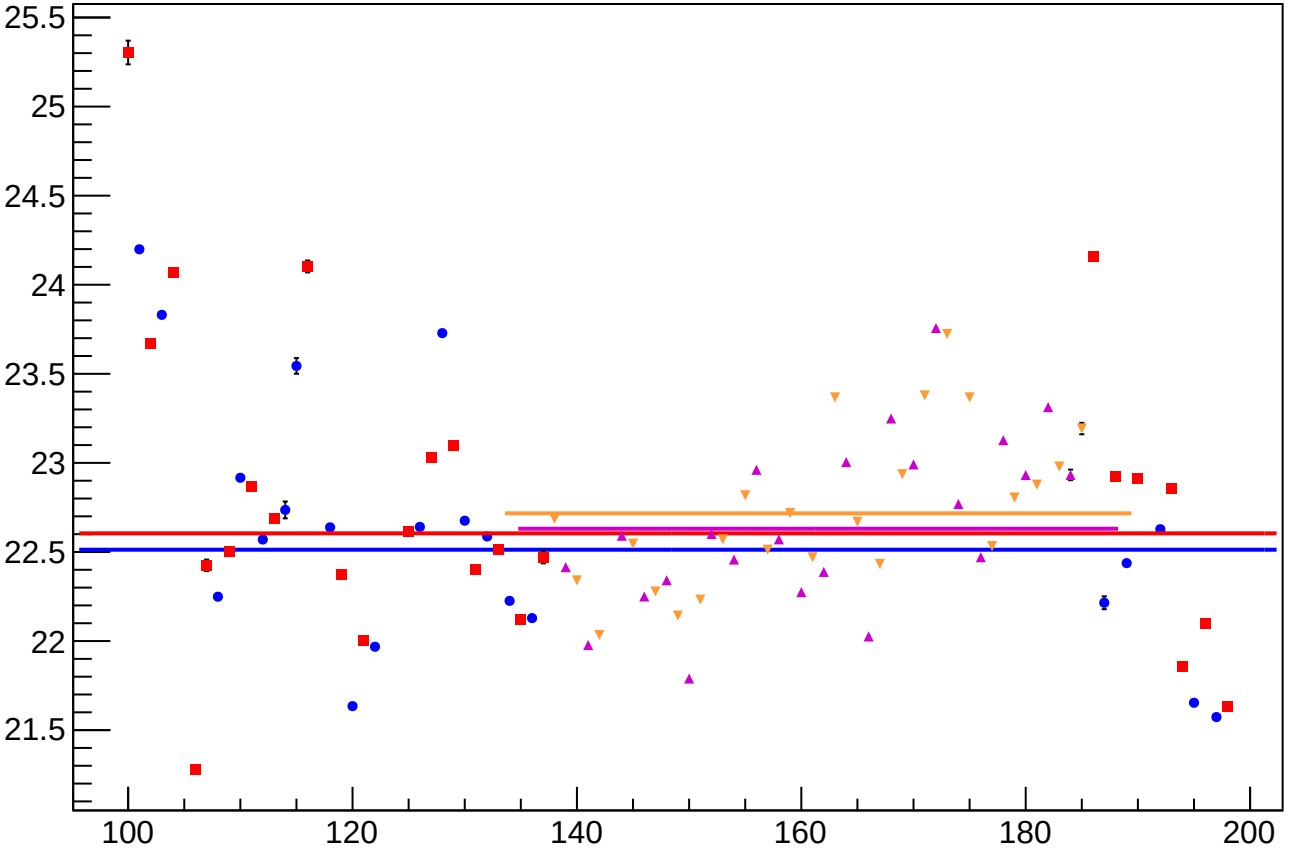
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 2.984+/-4.191 χ^2/NDF: 62.7/44

All: -2.326+/-2.923 χ^2/NDF: 112.5/92

- sign -7.359+/-4.079 χ^2/NDF: 46.7/47

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.513+/-0.005 χ^2/NDF: 22254.5/20

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.605+/-0.005 χ^2/NDF: 25450.8/24

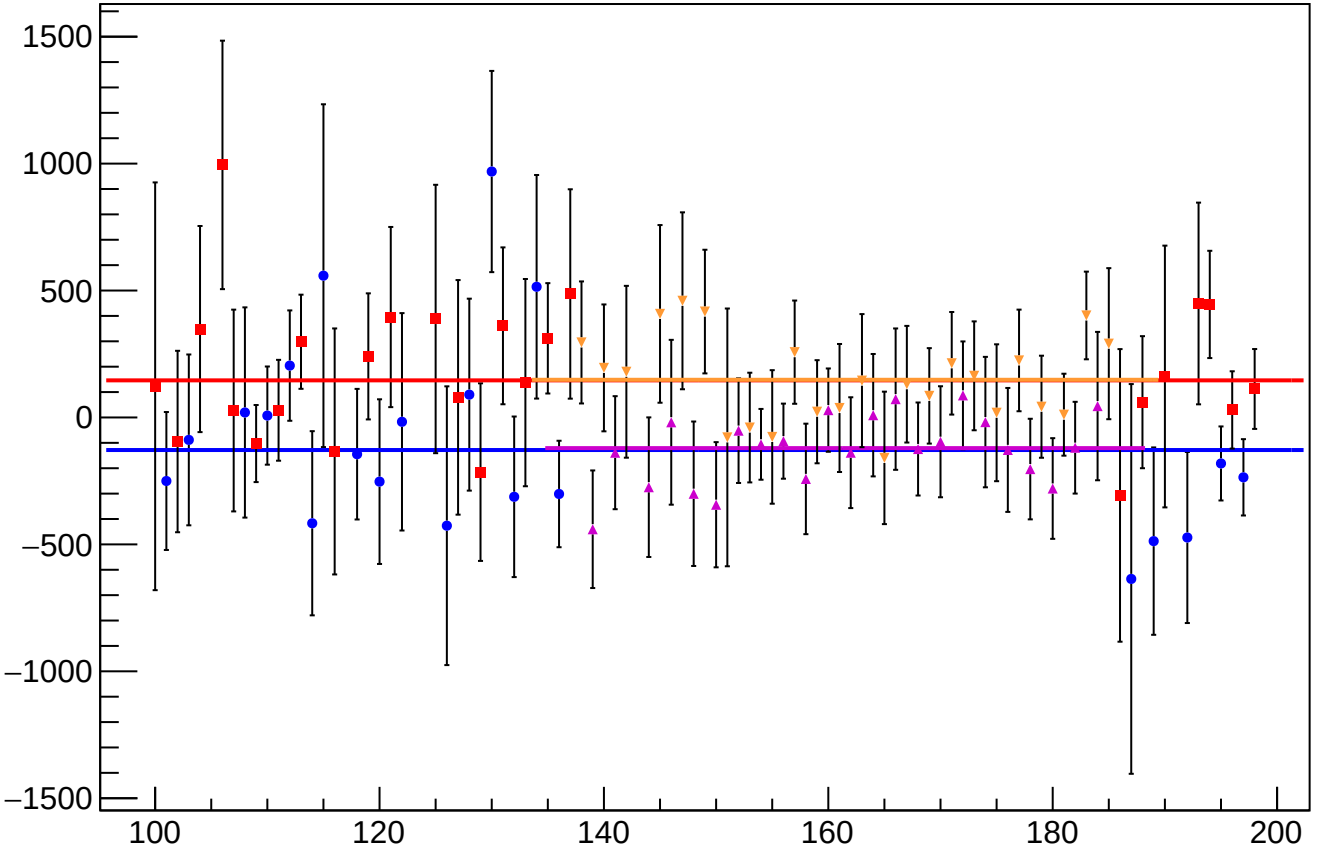
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.642+/-0.003 χ^2/NDF: 35538.2/44

All: 22.631+/-0.002 χ^2/NDF: 76427.0/92

- sign 22.620+/-0.003 χ^2/NDF: 40861.6/47

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -128.303+/-59.795 χ^2/NDF: 19.6/20

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 146.147+/-53.764 χ^2/NDF: 15.5/24

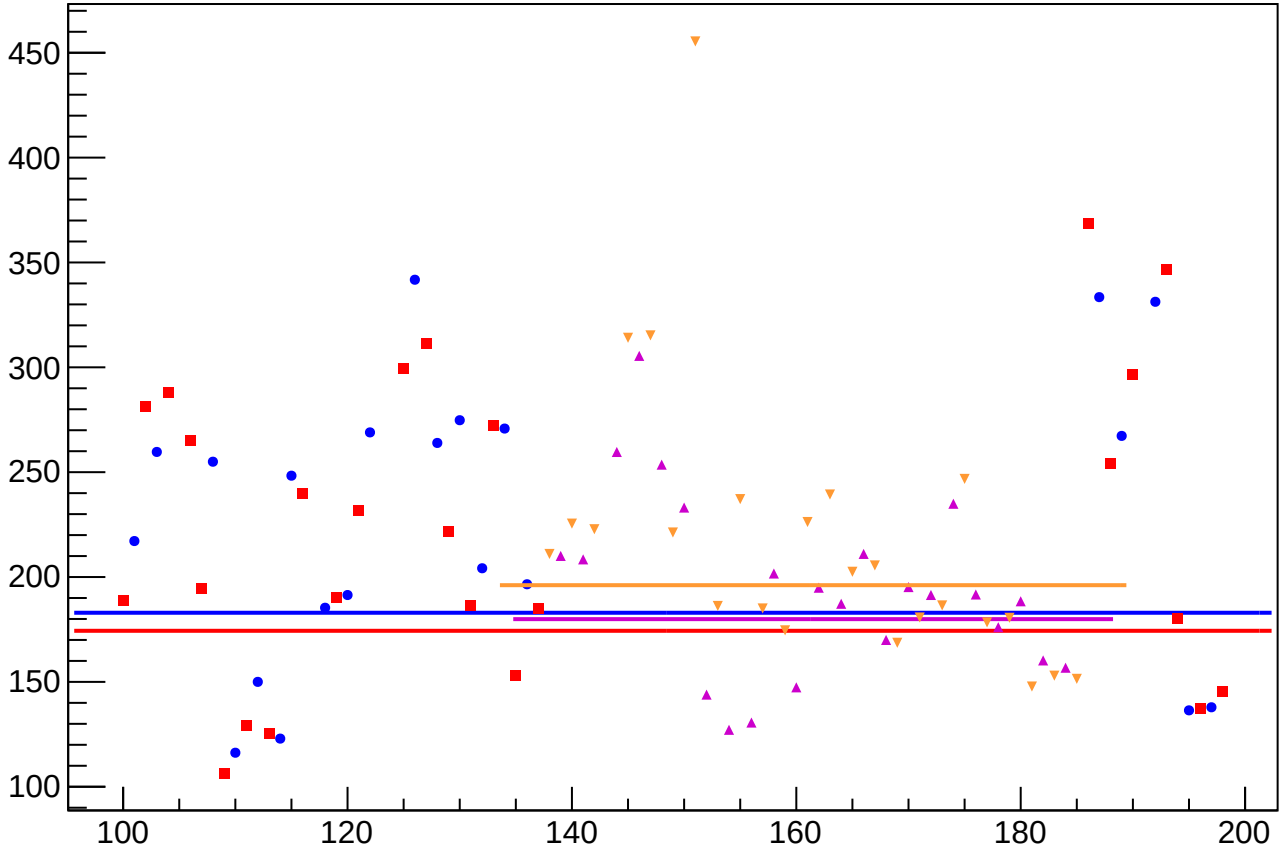
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 42.153+/-37.055 χ^2/NDF: 43.7/44

All: 11.714+/-25.057 χ^2/NDF: 83.1/92

- sign -13.933+/-34.014 χ^2/NDF: 38.1/47

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 182.968+/-0.042 χ^2/NDF: 2051593.0/20

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 174.364+/-0.038 χ^2/NDF: 2708135.1/24

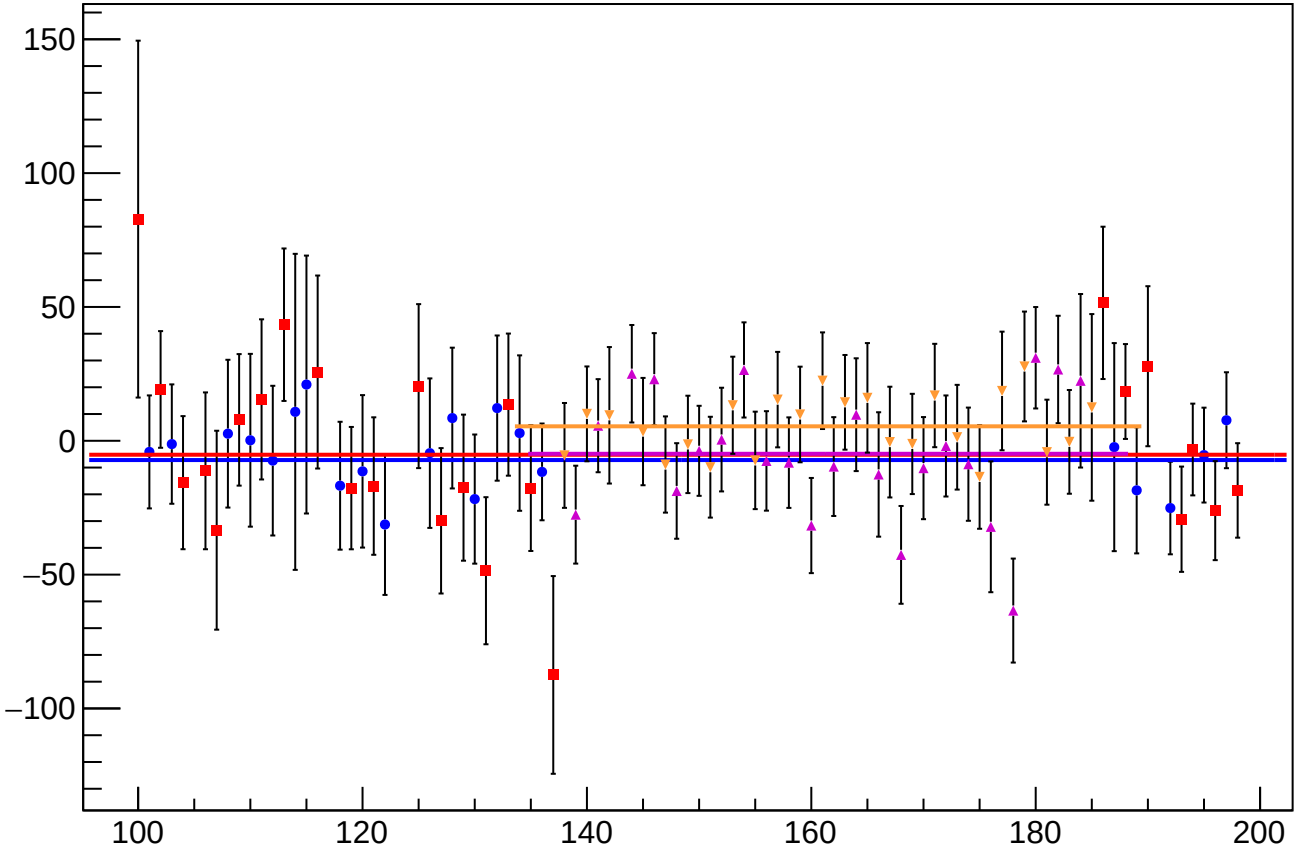
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 191.064+/-0.026 χ^2/NDF: 3837409.3/44

All: 183.810+/-0.018 χ^2/NDF: 8323744.0/92

- sign 177.698+/-0.024 χ^2/NDF: 4345105.2/47

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -7.200+/-5.336 χ^2/NDF: 5.2/20

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -5.210+/-4.953 χ^2/NDF: 29.0/24

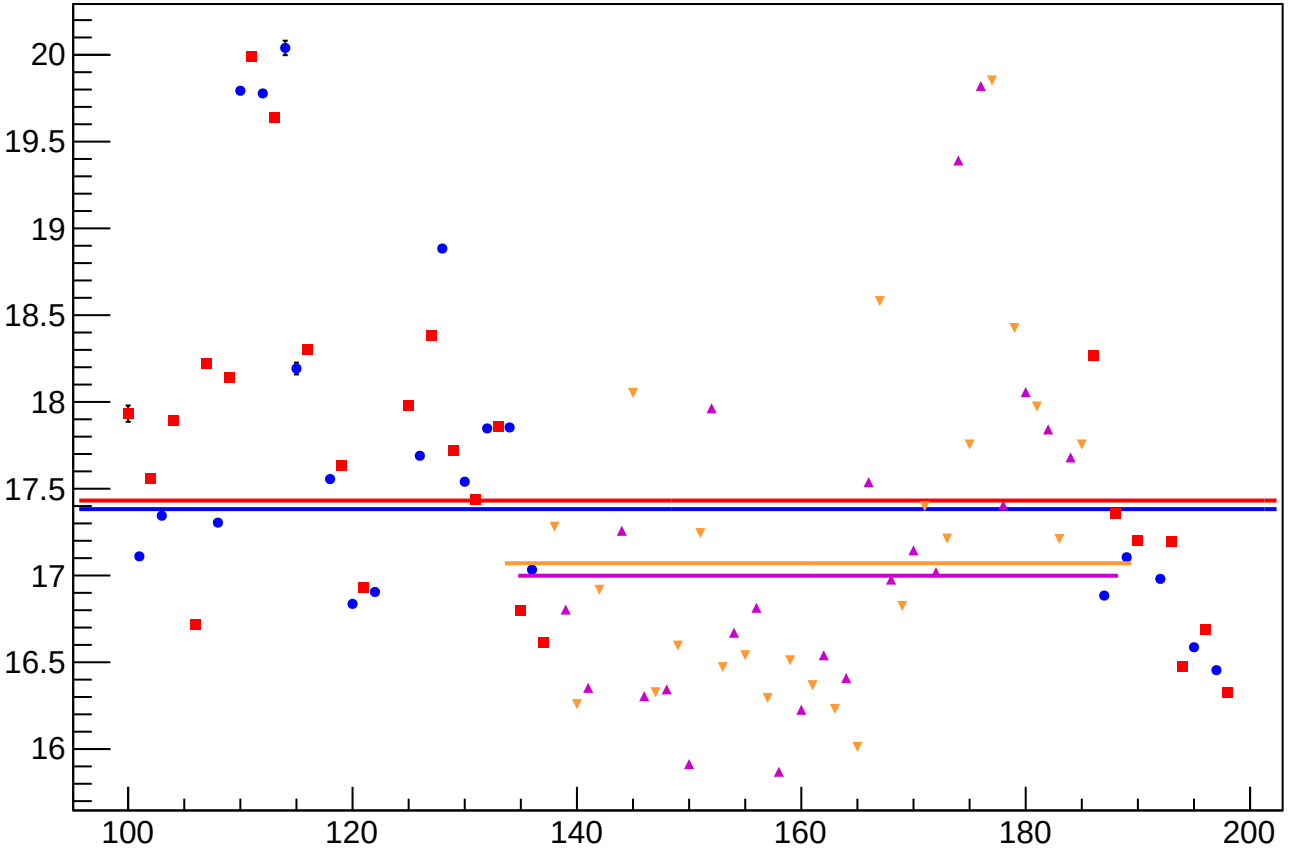
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.912+/-3.186 χ^2/NDF: 16.5/44

All: -2.121+/-2.223 χ^2/NDF: 82.8/92

- sign -4.996+/-3.103 χ^2/NDF: 64.5/47

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.382+/-0.004 χ^2/NDF: 52087.2/20

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.432+/-0.004 χ^2/NDF: 59050.6/24

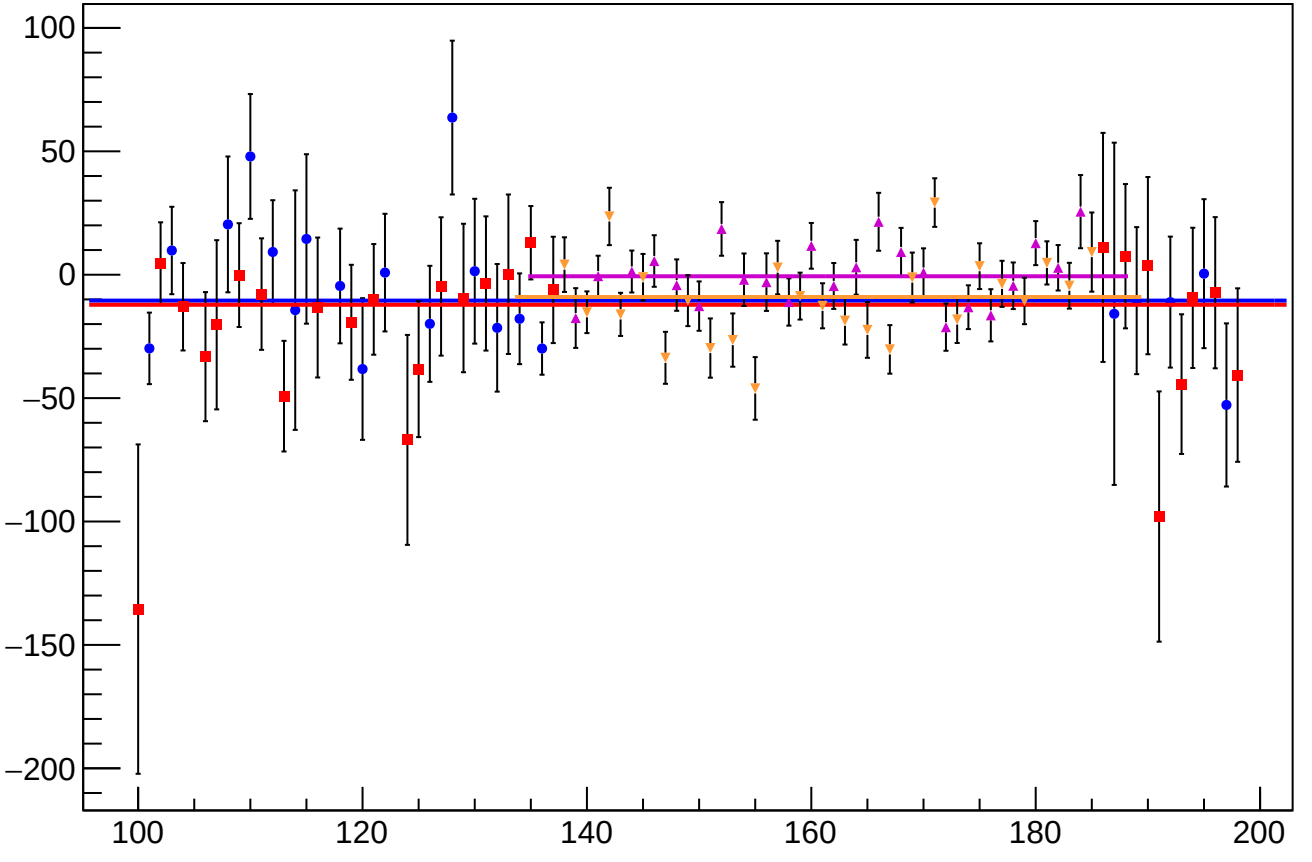
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.182+/-0.002 χ^2/NDF: 152791.5/44

All: 17.175+/-0.002 χ^2/NDF: 325171.8/92

\- sign 17.169+/-0.002 χ^2/NDF: 172362.7/47

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -10.487+/-4.920 χ^2/NDF: 23.8/20

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -12.174+/-4.939 χ^2/NDF: 19.9/26

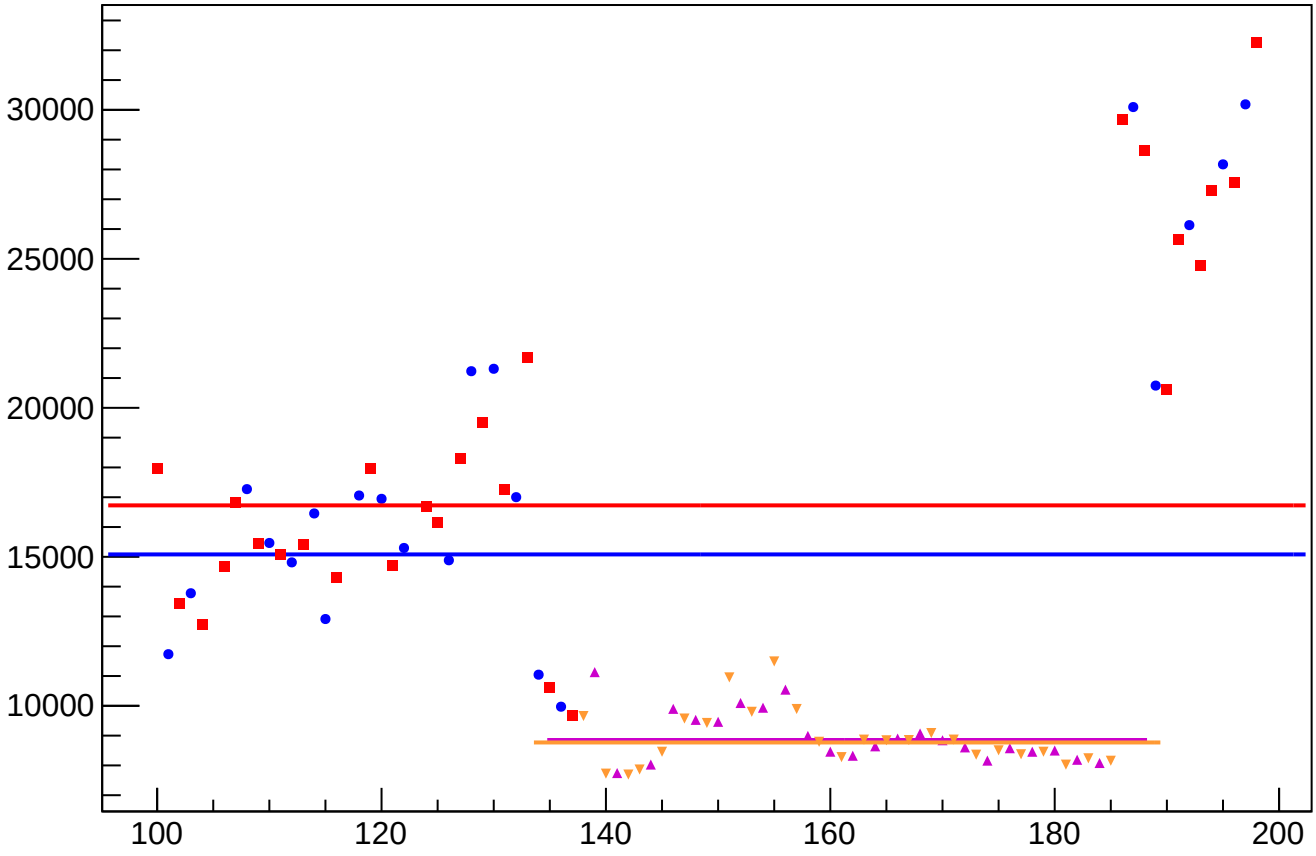
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.236+/-1.858 χ^2/NDF: 85.9/45

All: -5.907+/-1.334 χ^2/NDF: 146.5/95

- sign -2.366+/-1.916 χ^2/NDF: 54.0/49

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 15080.960+/-3.479 χ^2/NDF: 2209633.0/20

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 16726.724+/-3.492 χ^2/NDF: 2528286.0/26

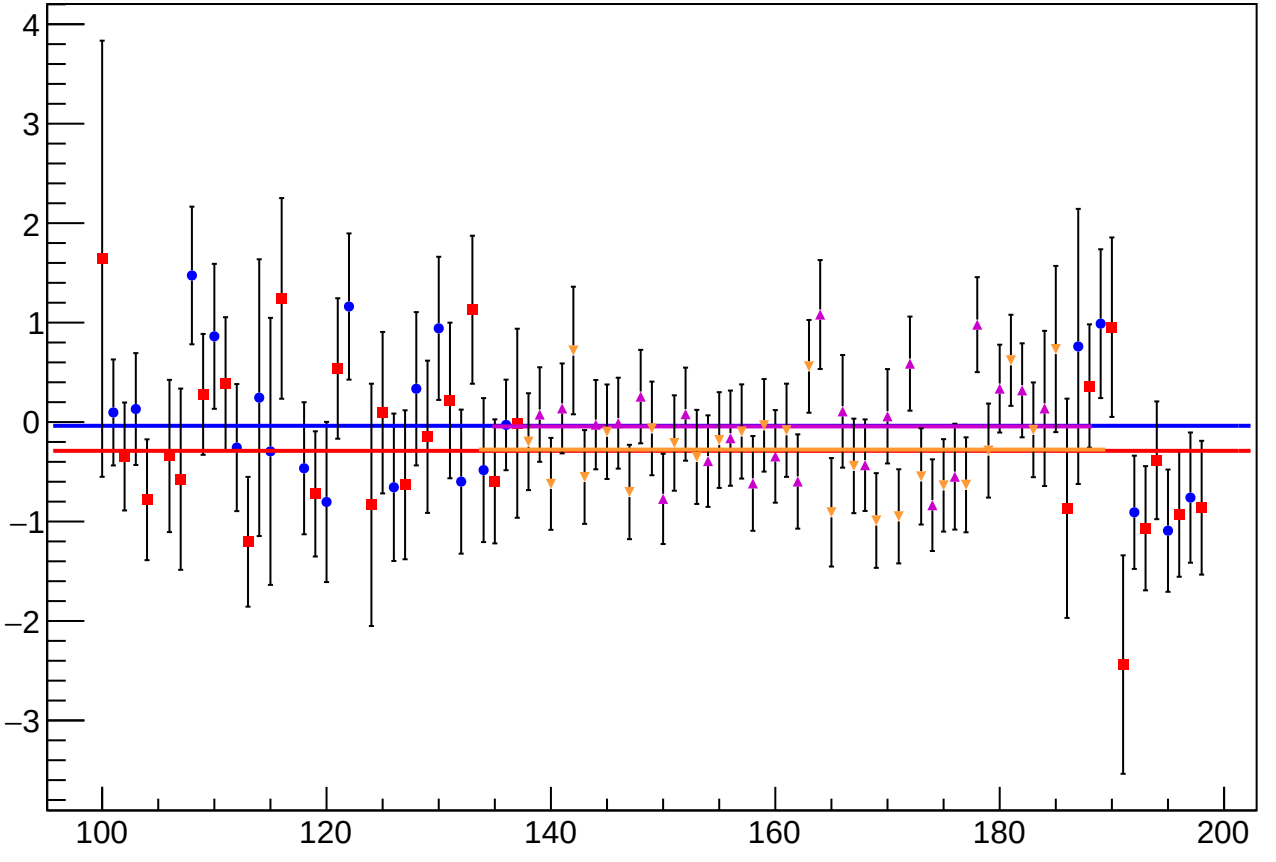
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9670.117+/-1.314 χ^2/NDF: 5375735.4/45

All: 9848.533+/-0.943 χ^2/NDF: 12560246.1/9

- sign 10038.353+/-1.355 χ^2/NDF: 7146443.8/49

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.038+/-0.150 χ^2/NDF: 23.1/20

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.289+/-0.141 χ^2/NDF: 25.0/26

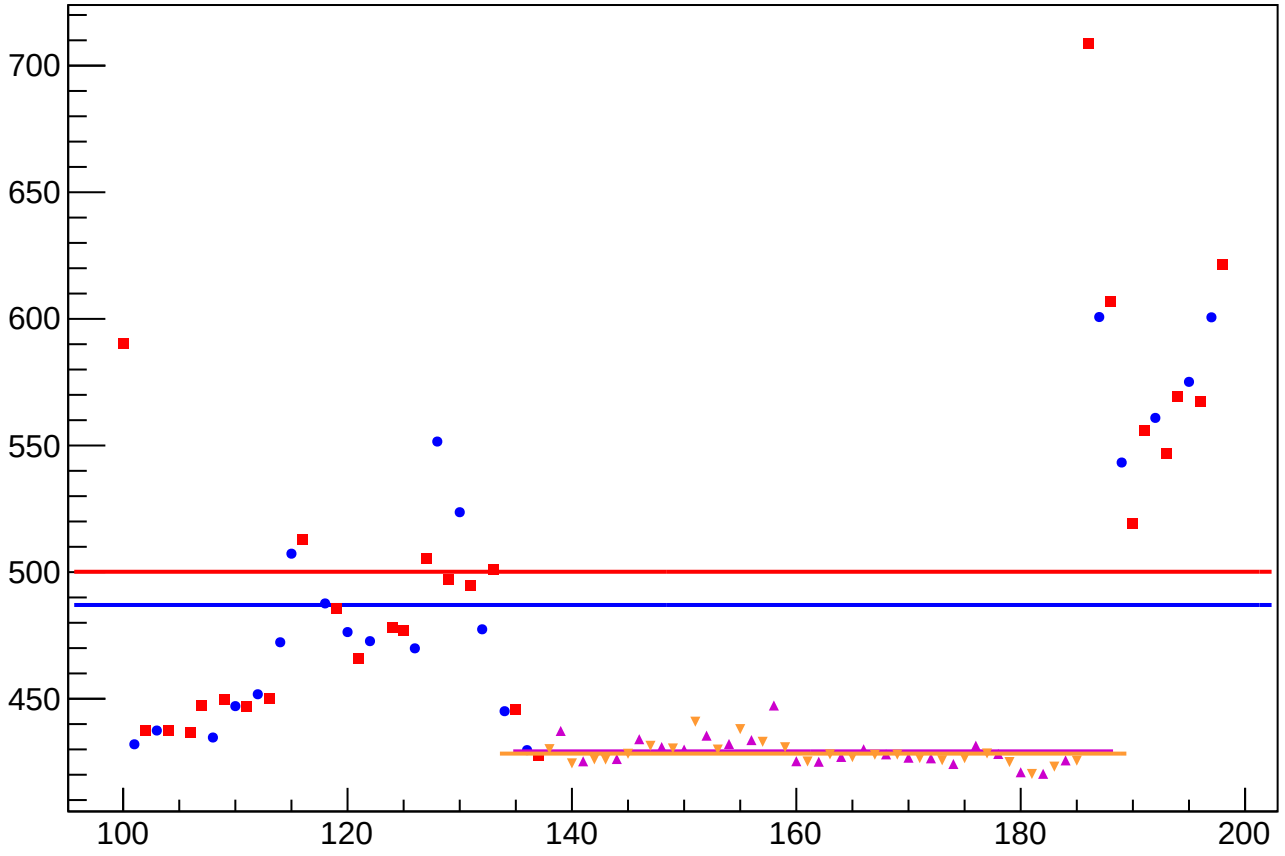
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.206+/-0.082 χ^2/NDF: 45.9/45

All: -0.166+/-0.058 χ^2/NDF: 97.3/95

- sign -0.126+/-0.082 χ^2/NDF: 50.9/49

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 487.030+/-0.106 χ^2/NDF: 281010.2/20

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 500.148+/-0.100 χ^2/NDF: 408610.3/26

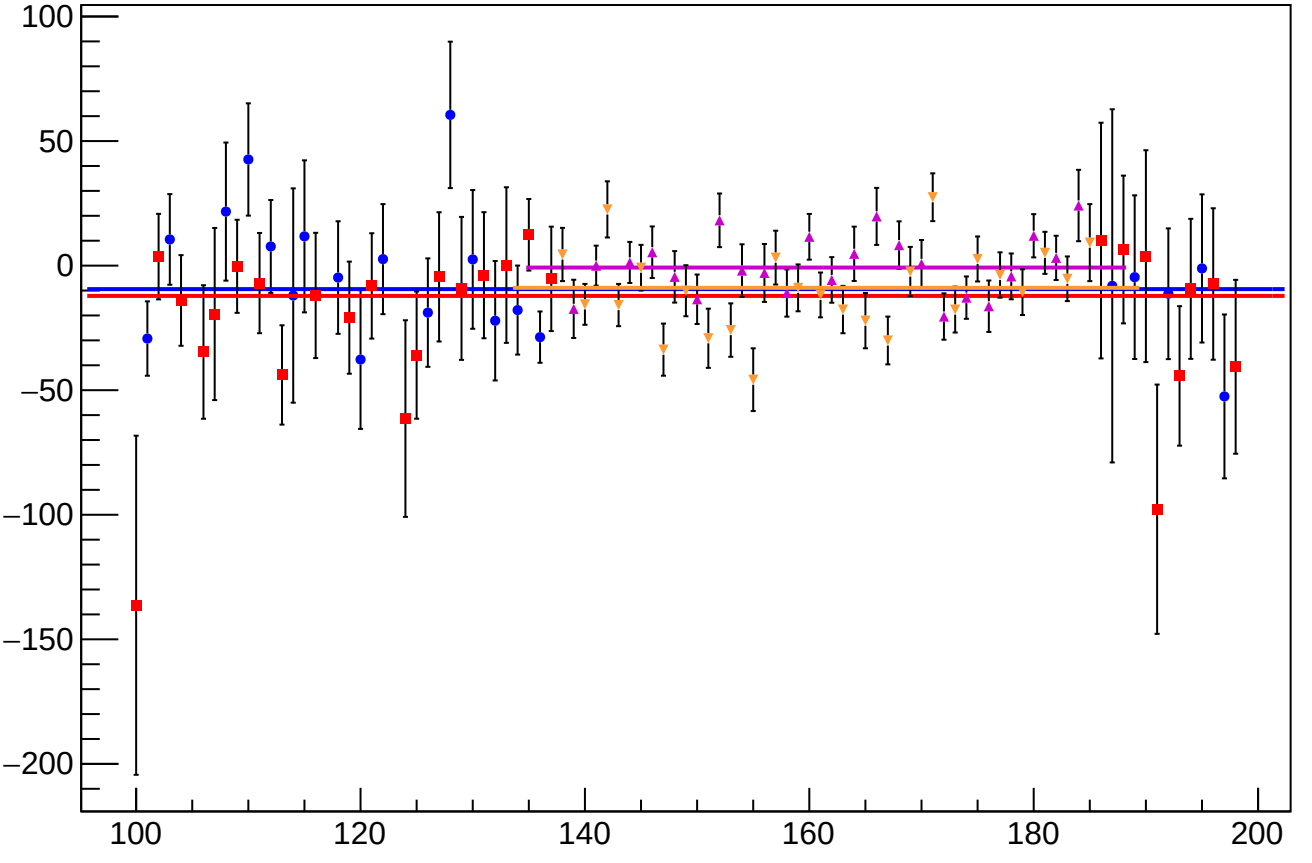
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 445.683+/-0.058 χ^2/NDF: 499985.6/45

All: 449.387+/-0.041 χ^2/NDF: 1260448.8/95

- sign 453.089+/-0.058 χ^2/NDF: 752237.9/49

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -9.428+/-4.764 χ^2/NDF: 24.1/20

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -12.151+/-4.763 χ^2/NDF: 19.6/26

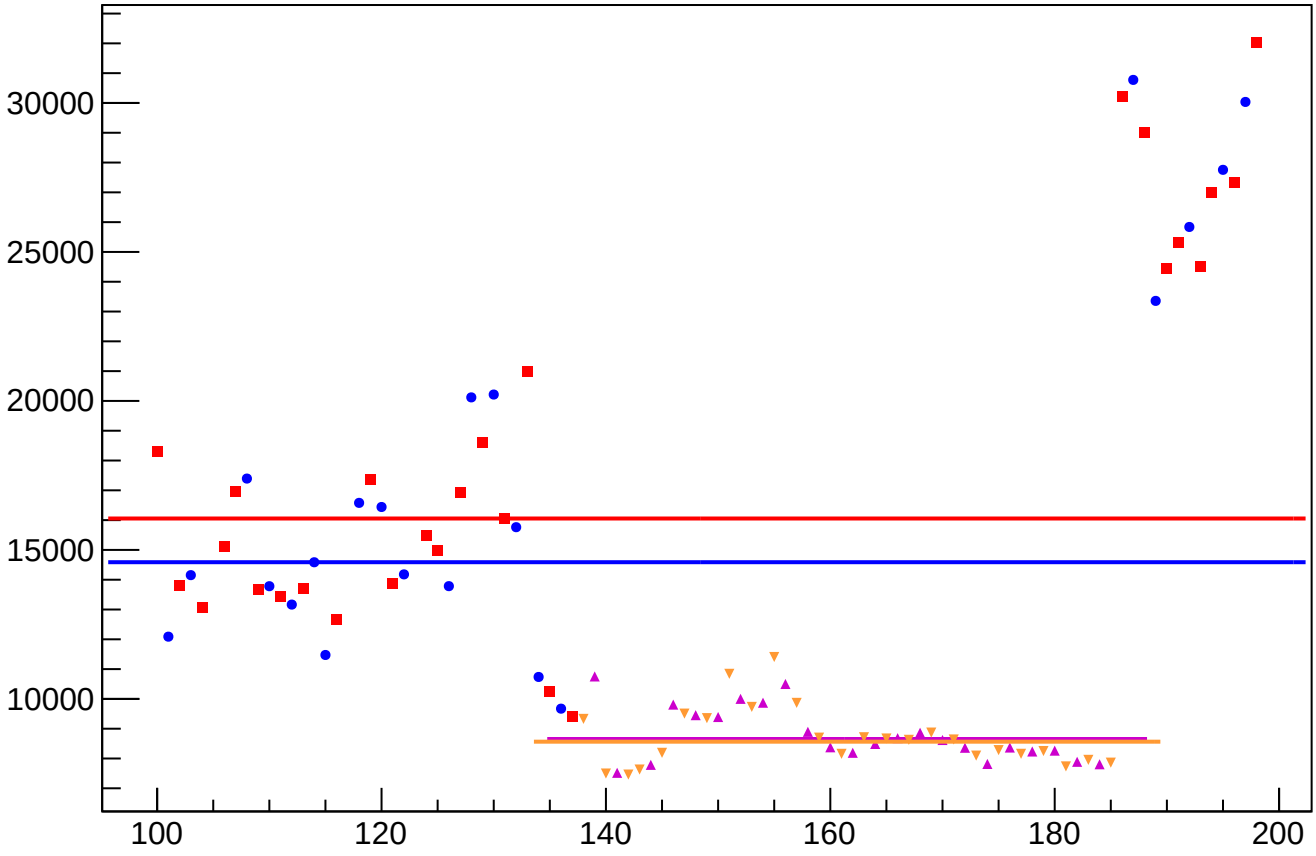
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.980+/-1.813 χ^2/NDF: 85.7/45

All: -5.854+/-1.302 χ^2/NDF: 145.6/95

- sign -2.528+/-1.870 χ^2/NDF: 53.8/49

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 14587.576+/-3.368 χ^2/NDF: 2294246.1/20

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16054.134+/-3.368 χ^2/NDF: 2739032.9/26

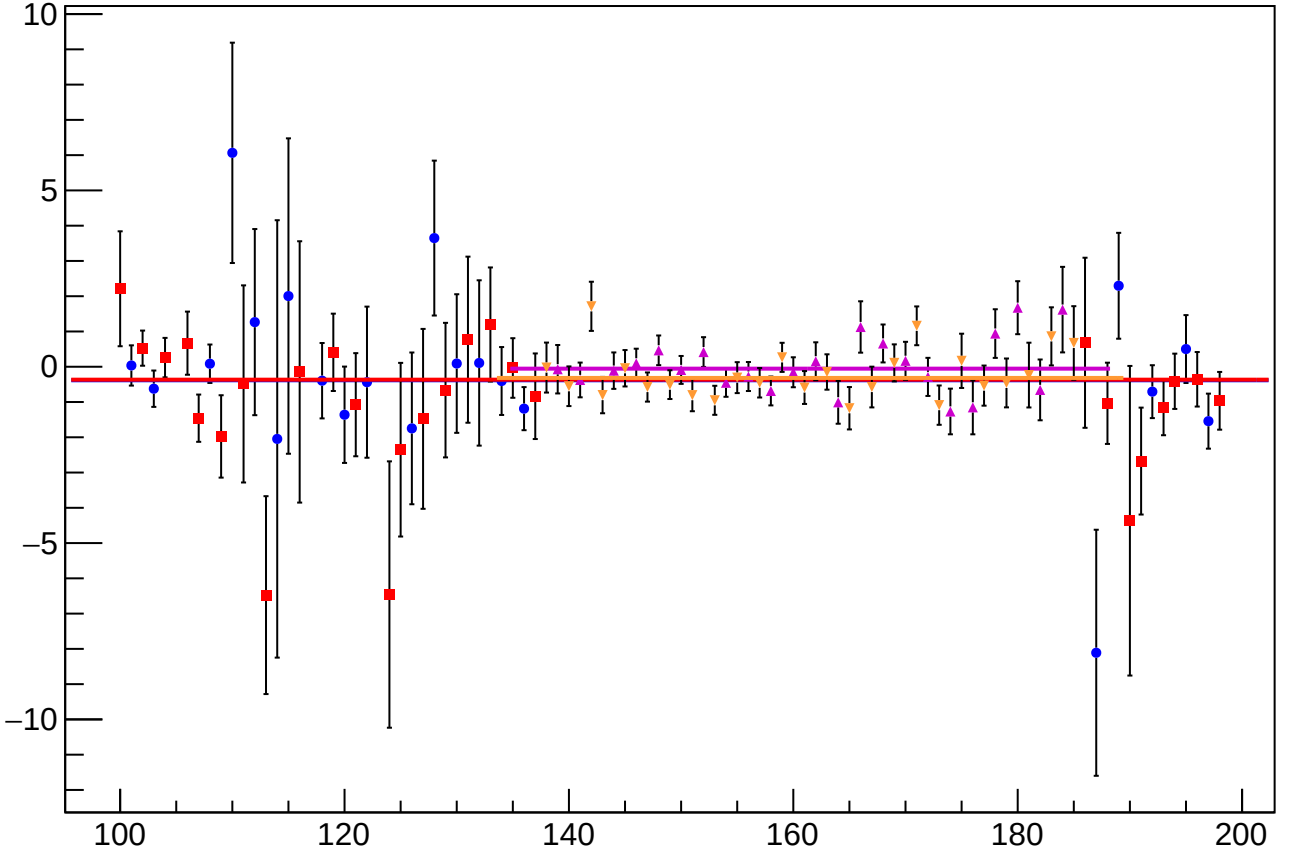
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9437.085+/-1.282 χ^2/NDF: 5429002.8/45

All: 9610.798+/-0.921 χ^2/NDF: 12634752.6/9

- sign 9795.653+/-1.323 χ^2/NDF: 7167860.2/49

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.383+/-0.214 χ^2/NDF: 24.0/20

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.367+/-0.202 χ^2/NDF: 28.5/26

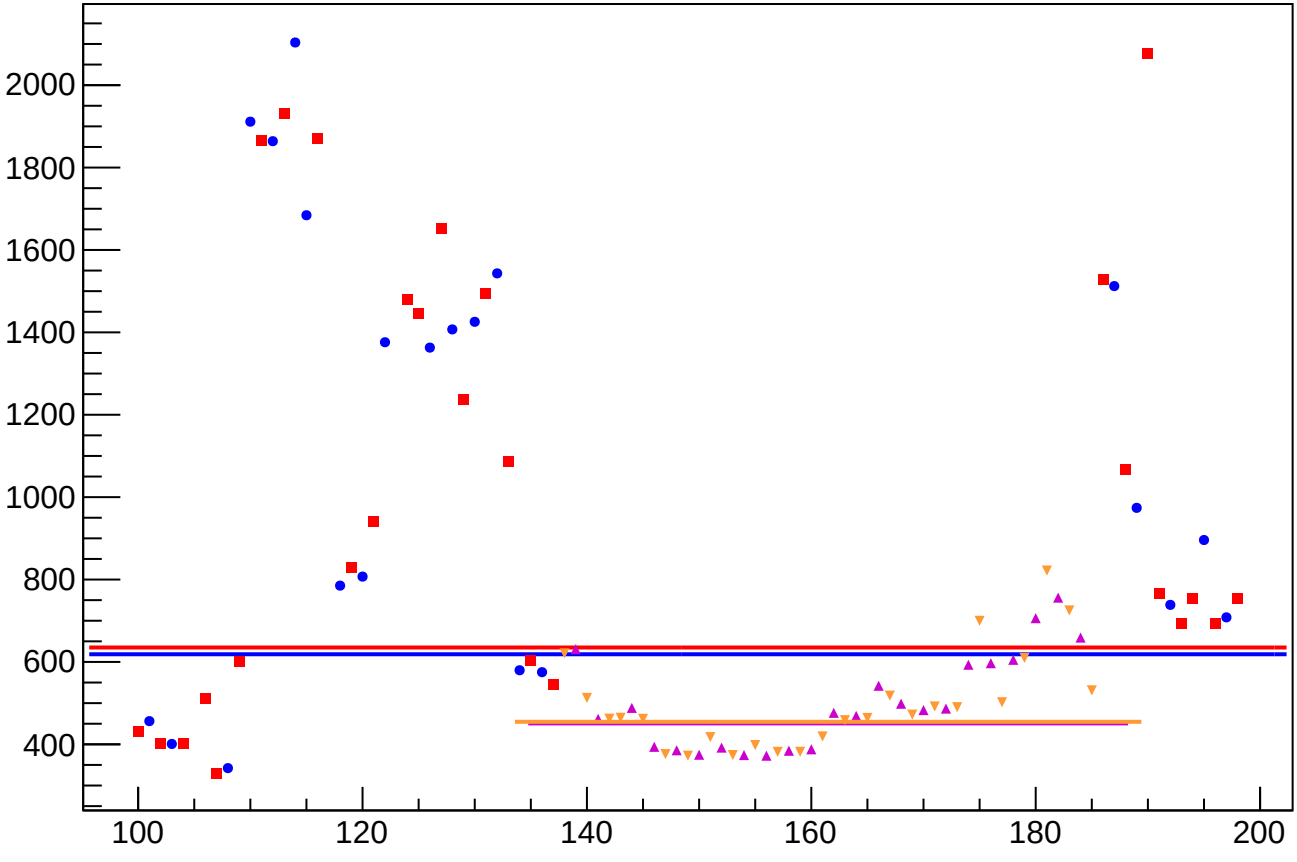
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.331+/-0.095 χ^2/NDF: 56.3/45

All: -0.228+/-0.067 χ^2/NDF: 118.8/95

- sign -0.124+/-0.095 χ^2/NDF: 60.1/49

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 618.629+/-0.151 χ^2/NDF: 4032100.0/20

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 635.055+/-0.143 χ^2/NDF: 4630101.0/26

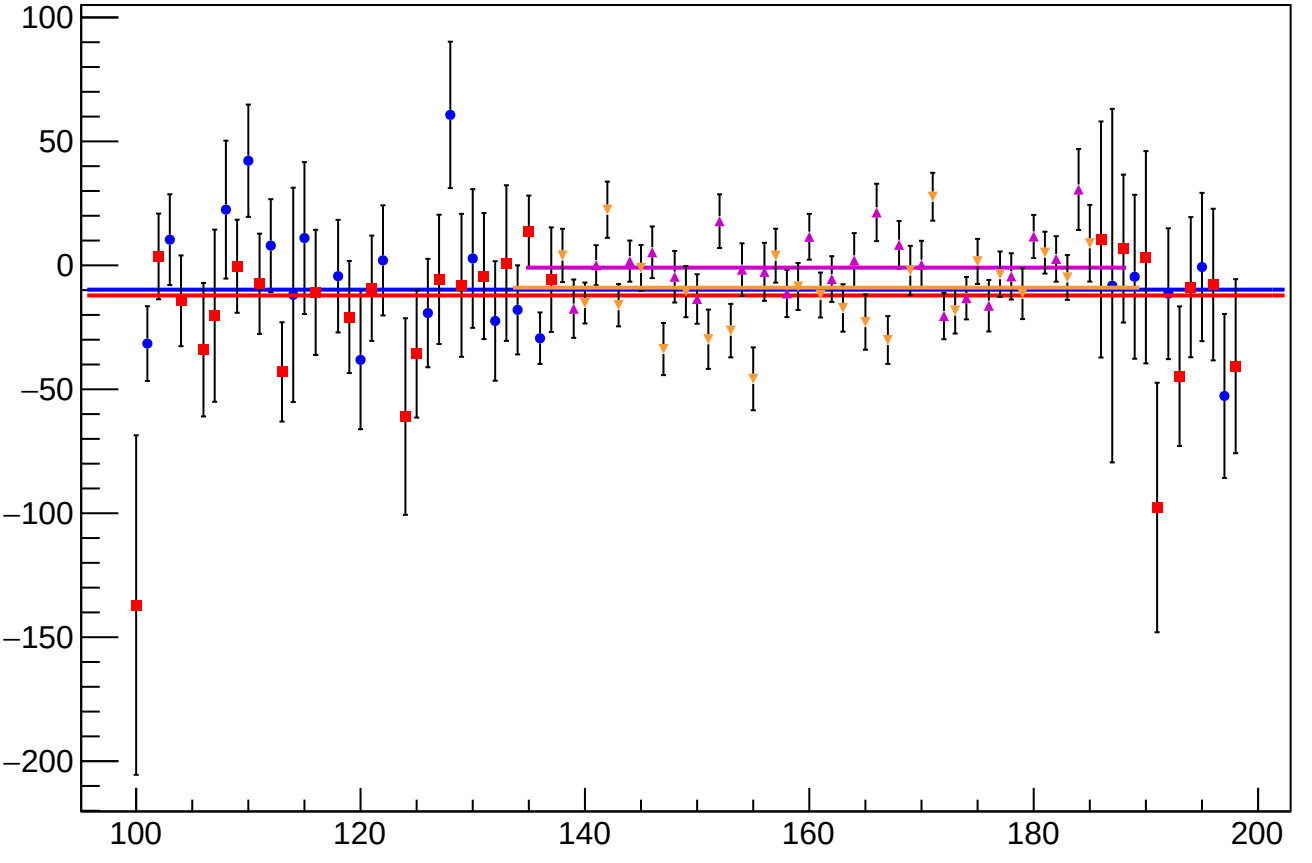
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 486.946+/-0.067 χ^2/NDF: 6424902.0/45

All: 489.396+/-0.048 χ^2/NDF: 13824502.6/95

- sign 491.863+/-0.067 χ^2/NDF: 7396929.7/49

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.805+/-4.795 χ^2/NDF: 24.6/20

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -12.142+/-4.795 χ^2/NDF: 19.4/26

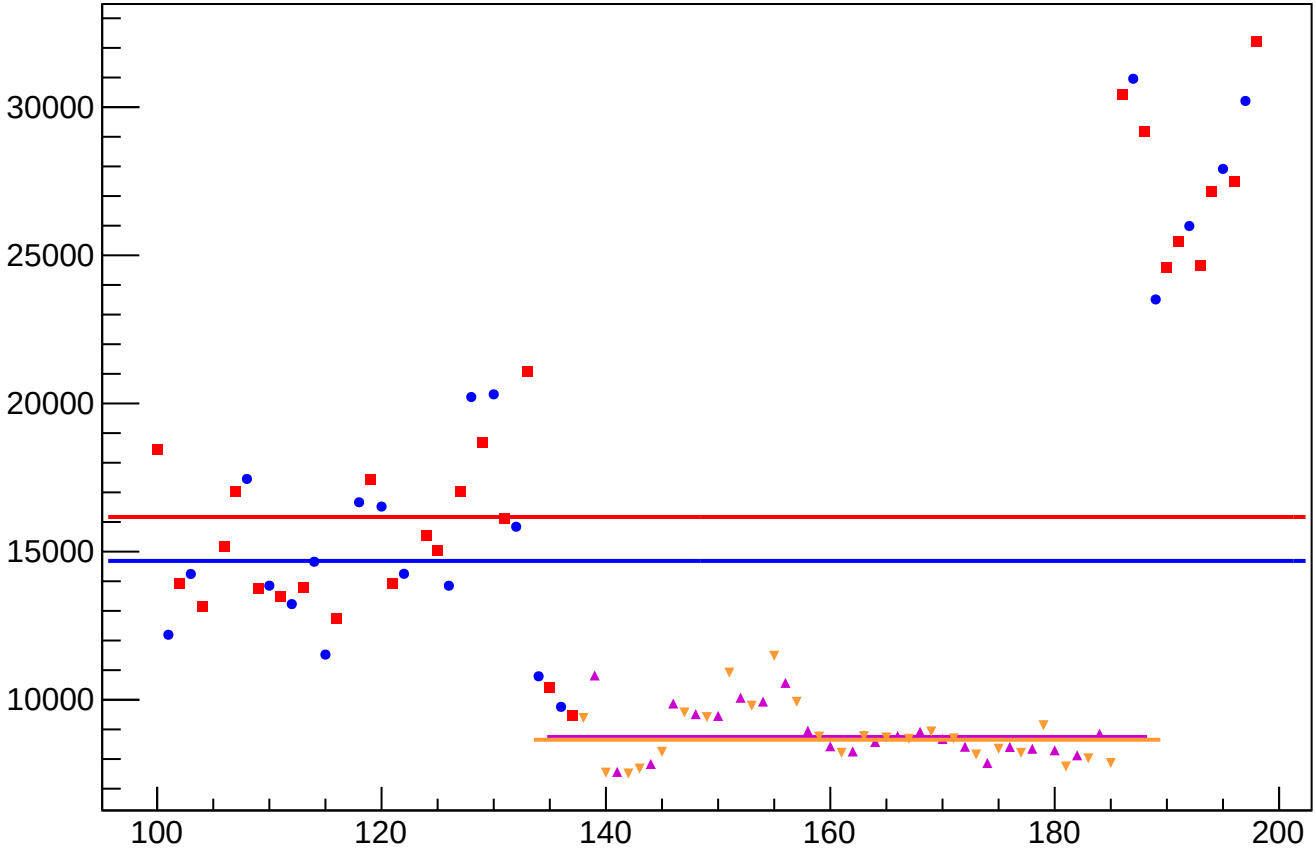
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.118+/-1.832 χ^2/NDF: 85.9/45

All: -5.993+/-1.315 χ^2/NDF: 145.8/95

- sign -2.667+/-1.889 χ^2/NDF: 53.9/49

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 14686.808+/-3.391 χ^2/NDF: 2282594.1/20

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 16168.688+/-3.391 χ^2/NDF: 2720235.8/26

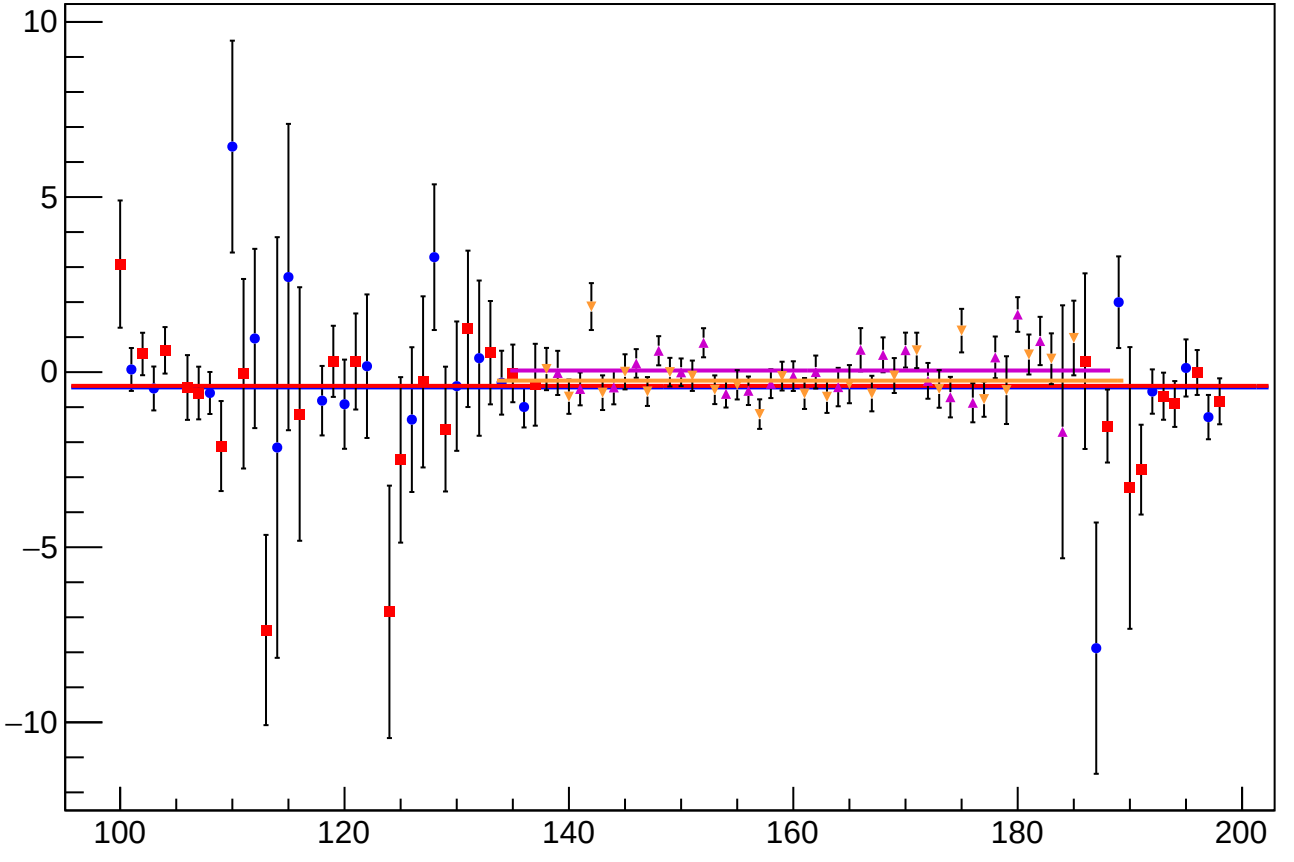
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9532.331+/-1.295 χ^2/NDF: 5393862.8/45

All: 9709.723+/-0.930 χ^2/NDF: 12532514.8/9

- sign 9898.490+/-1.336 χ^2/NDF: 7099925.2/49

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.436+/-0.211 χ^2/NDF: 21.7/20

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.392+/-0.199 χ^2/NDF: 30.0/26

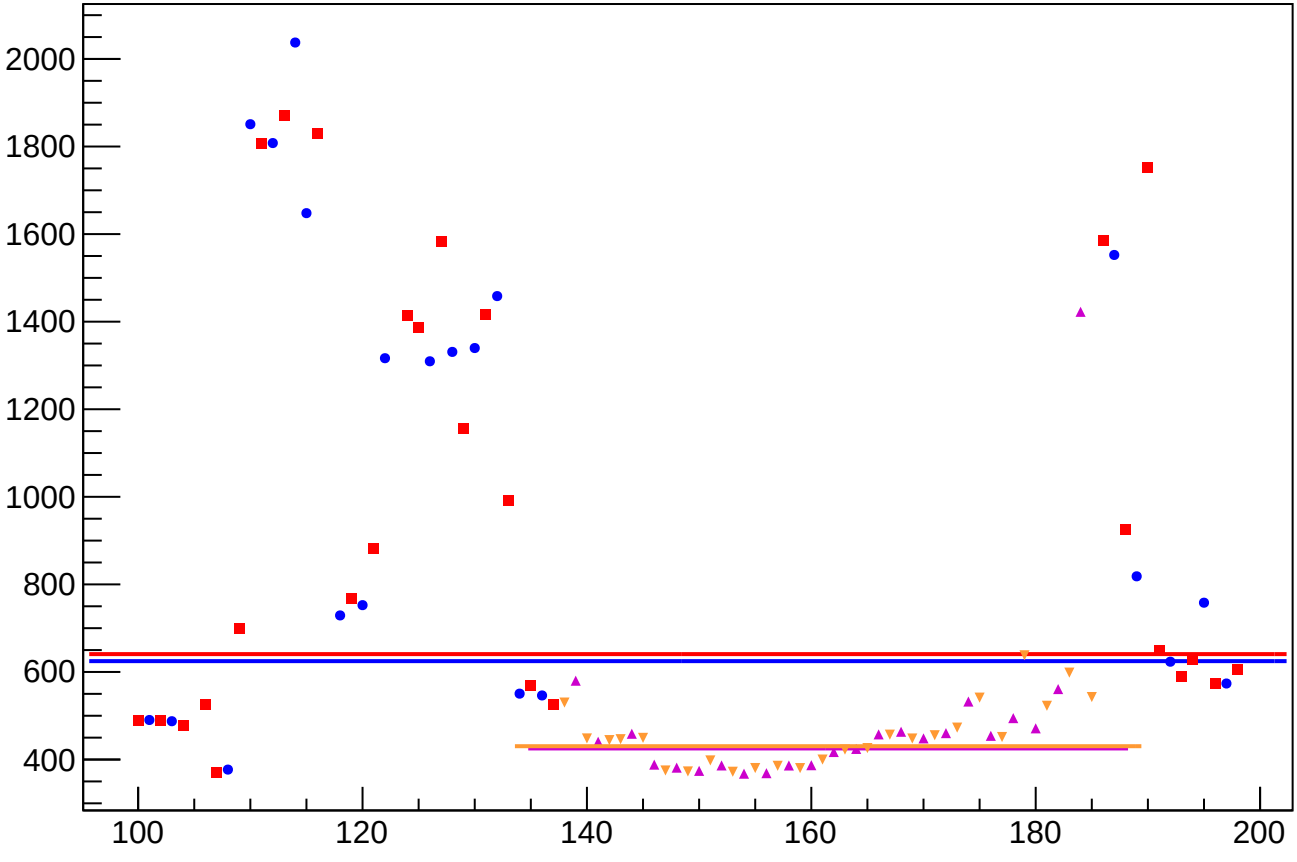
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.278+/-0.091 χ^2/NDF: 56.7/45

All: -0.161+/-0.064 χ^2/NDF: 129.0/95

- sign -0.044+/-0.090 χ^2/NDF: 69.0/49

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 624.721+/-0.149 χ^2/NDF: 3105267.4/20

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

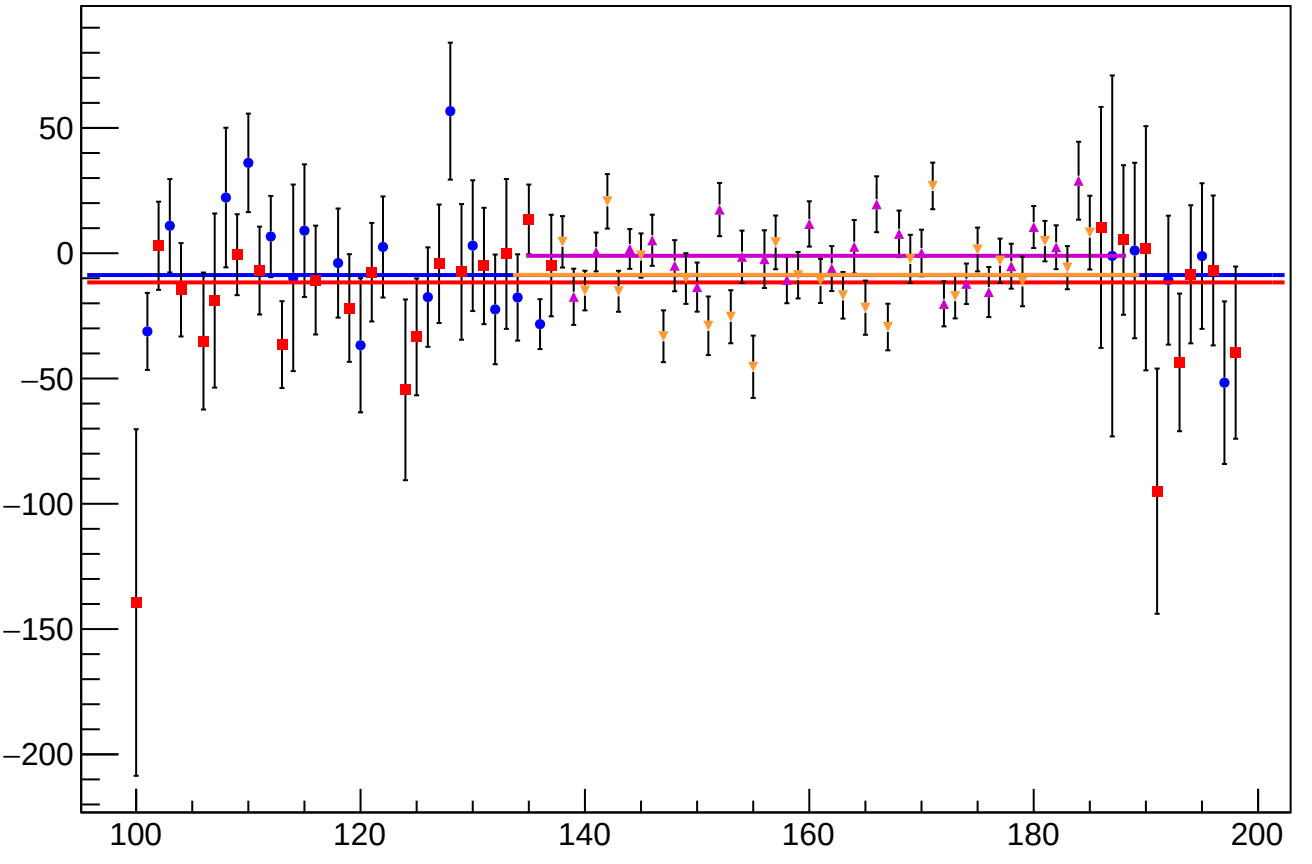
Right Out: 640.782+/-0.140 χ^2/NDF: 3416293.3/26

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 466.181+/-0.064 χ^2/NDF: 5136472.3/45

All: 468.080+/-0.045 χ^2/NDF: 11136650.6/95

- sign 469.976+/-0.064 χ^2/NDF: 5998419.4/49



Right In: -8.713+/-4.544 χ^2/NDF: 25.0/20

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

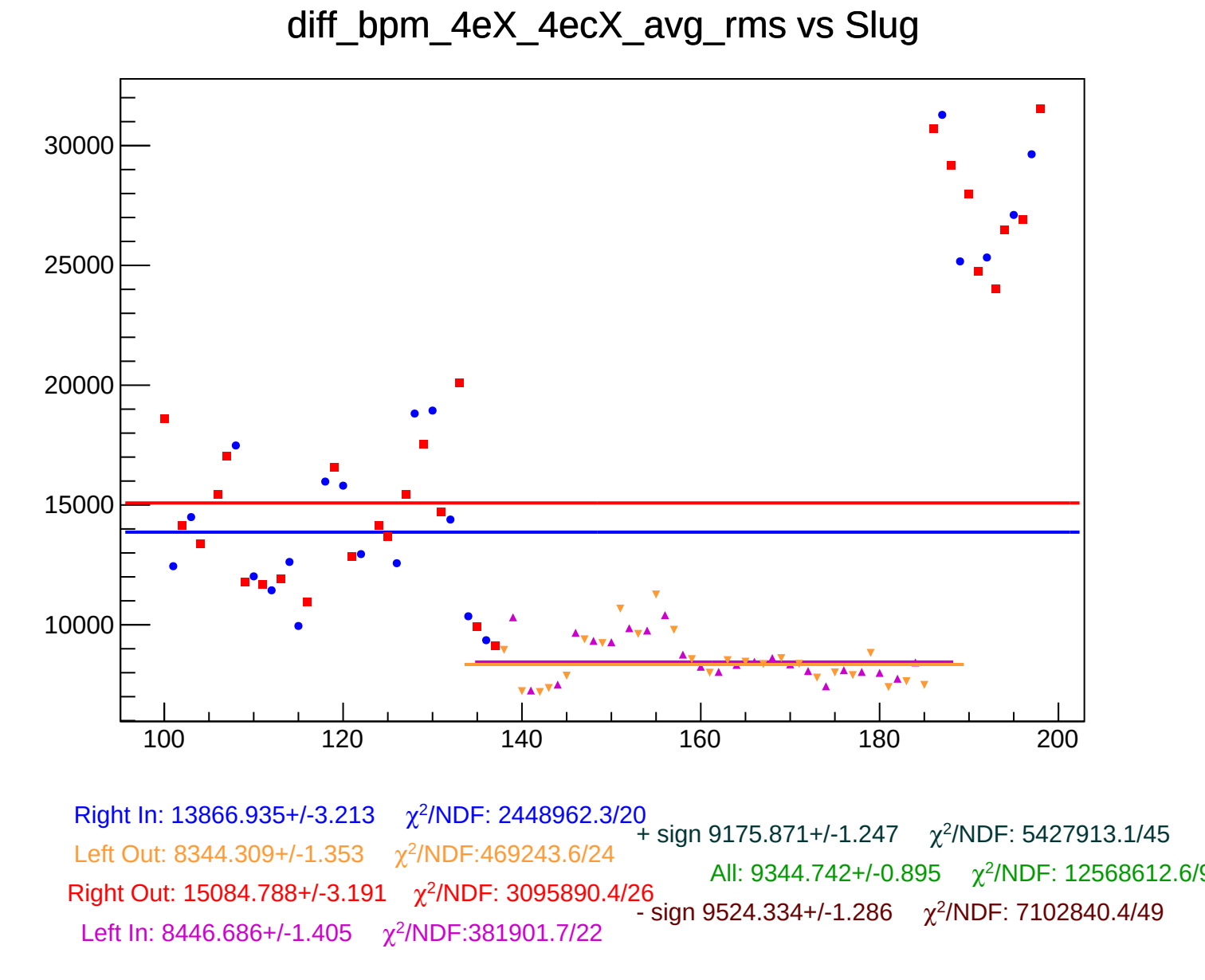
Right Out: -11.642+/-4.513 χ^2/NDF: 19.3/26

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

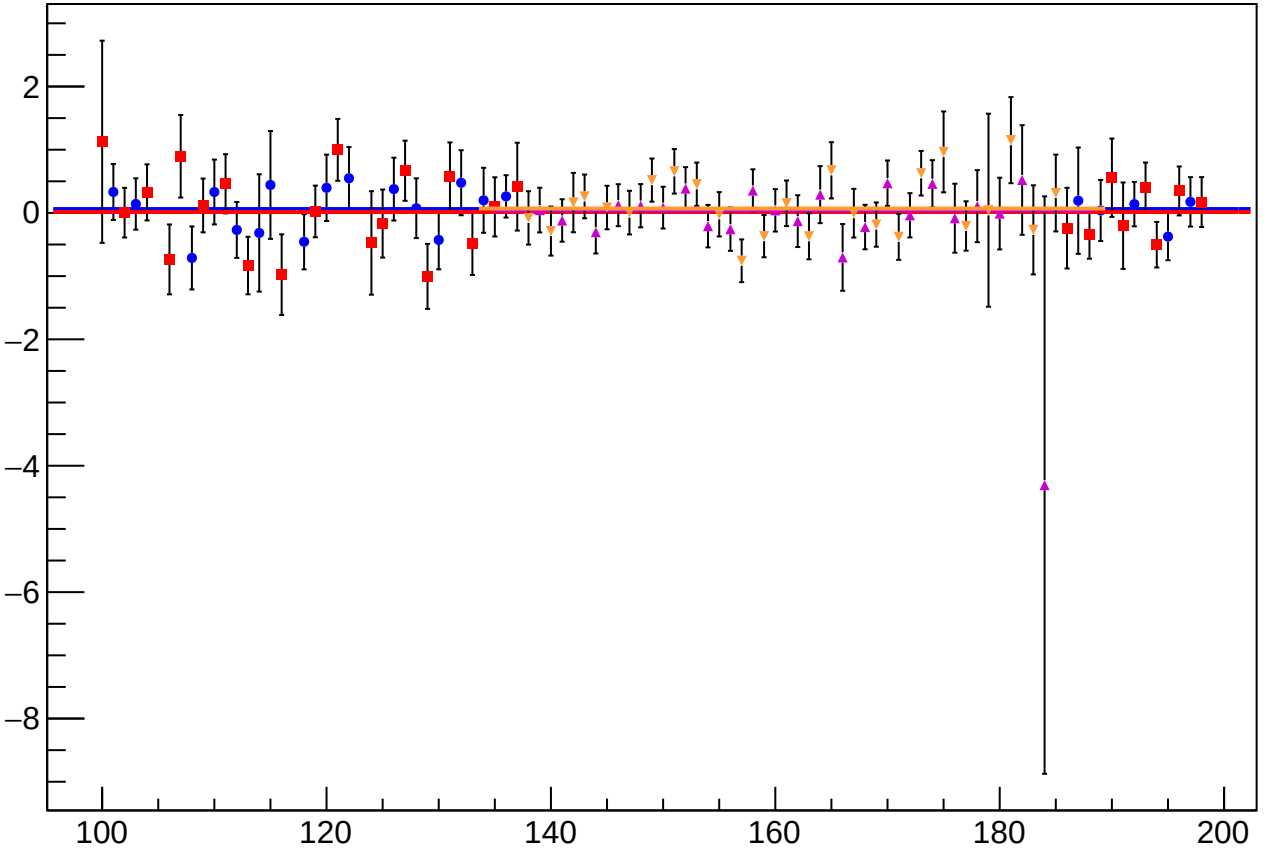
\+ sign -8.636+/-1.763 χ^2/NDF: 86.7/45

All: -5.784+/-1.266 χ^2/NDF: 145.8/95

\- sign -2.750+/-1.818 χ^2/NDF: 53.7/49


diff_bpm_4eX_4ecX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 13866.935+/-3.213 χ²/NDF: 2448962.3/20
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 15084.788+/-3.191 χ²/NDF: 3095890.4/26
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
+ sign 9175.871+/-1.247 χ²/NDF: 5427913.1/45
All: 9344.742+/-0.895 χ²/NDF: 12568612.6/9
- sign 9524.334+/-1.286 χ²/NDF: 7102840.4/49

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.061+/-0.102 χ^2/NDF: 10.9/20

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.015+/-0.094 χ^2/NDF: 30.2/26

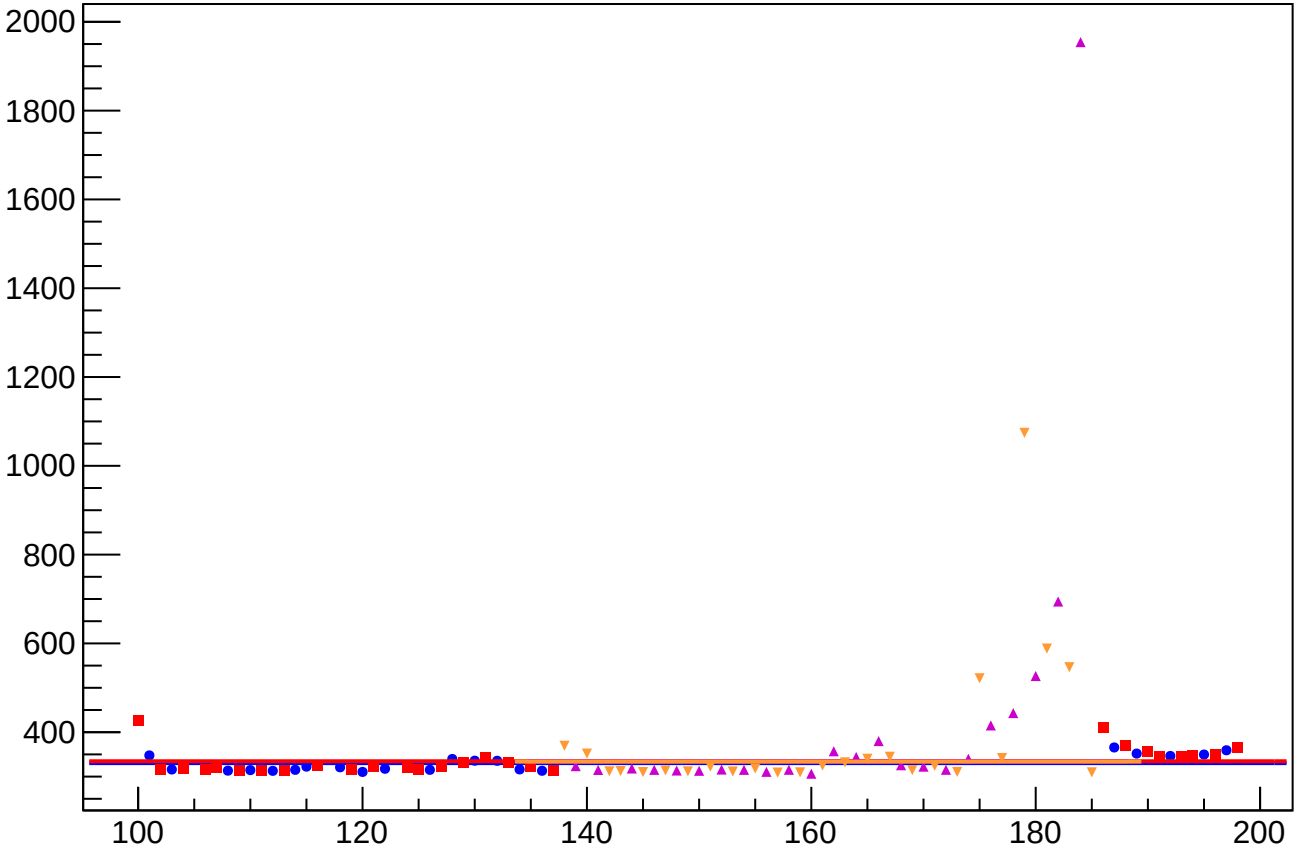
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.066+/-0.062 χ^2/NDF: 39.1/45

All: 0.047+/-0.044 χ^2/NDF: 81.2/95

- sign 0.028+/-0.061 χ^2/NDF: 41.9/49

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 330.379+/-0.072 χ^2/NDF: 56501.1/20

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

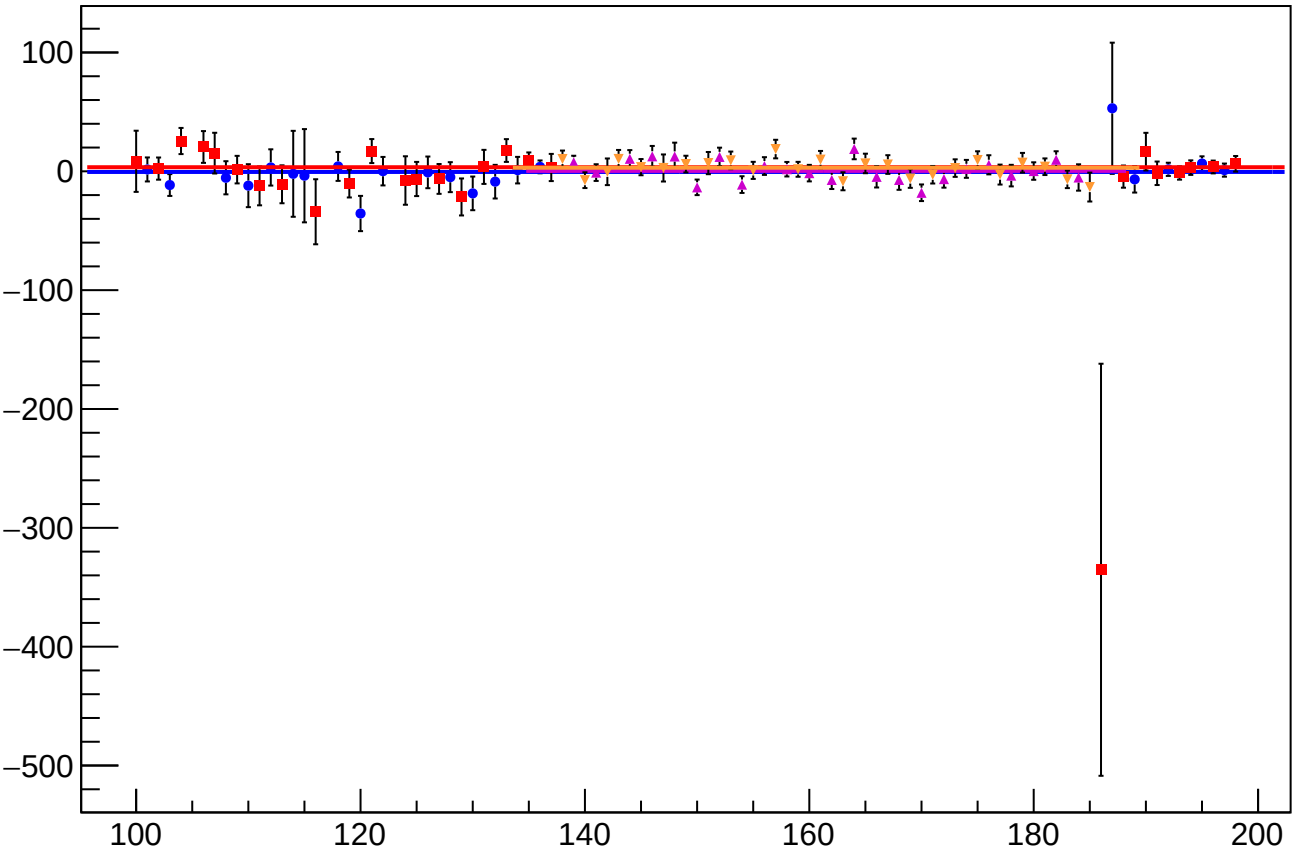
Right Out: 334.553+/-0.066 χ^2/NDF: 110720.8/26

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 332.501+/-0.044 χ^2/NDF: 1275155.5/45

All: 333.379+/-0.031 χ^2/NDF: 2437680.6/95

- sign 334.224+/-0.043 χ^2/NDF: 1161748.0/49



Right In: -0.537+/-2.138 χ^2/NDF: 13.4/20

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: 3.445+/-1.934 χ^2/NDF: 26.1/26

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.805+/-1.250 χ^2/NDF: 35.5/45

All: 1.689+/-0.873 χ^2/NDF: 97.0/95

- sign 1.578+/-1.218 χ^2/NDF: 61.5/49

Right In: 6641.669+/-1.512 χ^2/NDF: 1622108.1/20

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6517.437+/-1.368 χ^2/NDF: 2329590.7/26

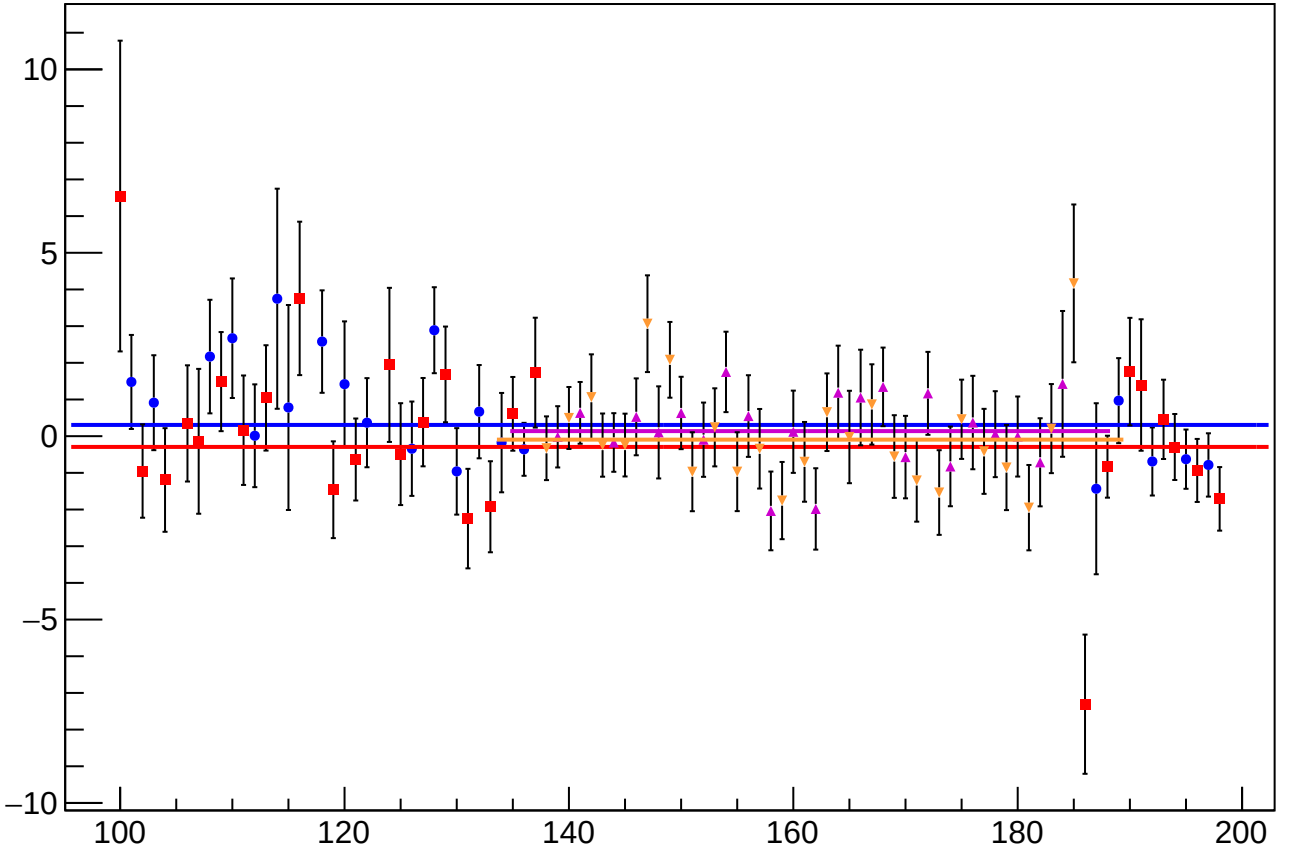
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6695.170+/-0.884 χ^2/NDF: 2027329.0/45

All: 6639.673+/-0.617 χ^2/NDF: 4998374.7/95

- sign 6587.000+/-0.861 χ^2/NDF: 2963367.7/49

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.307+/-0.264 χ^2/NDF: 21.4/20

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.293+/-0.244 χ^2/NDF: 41.6/26

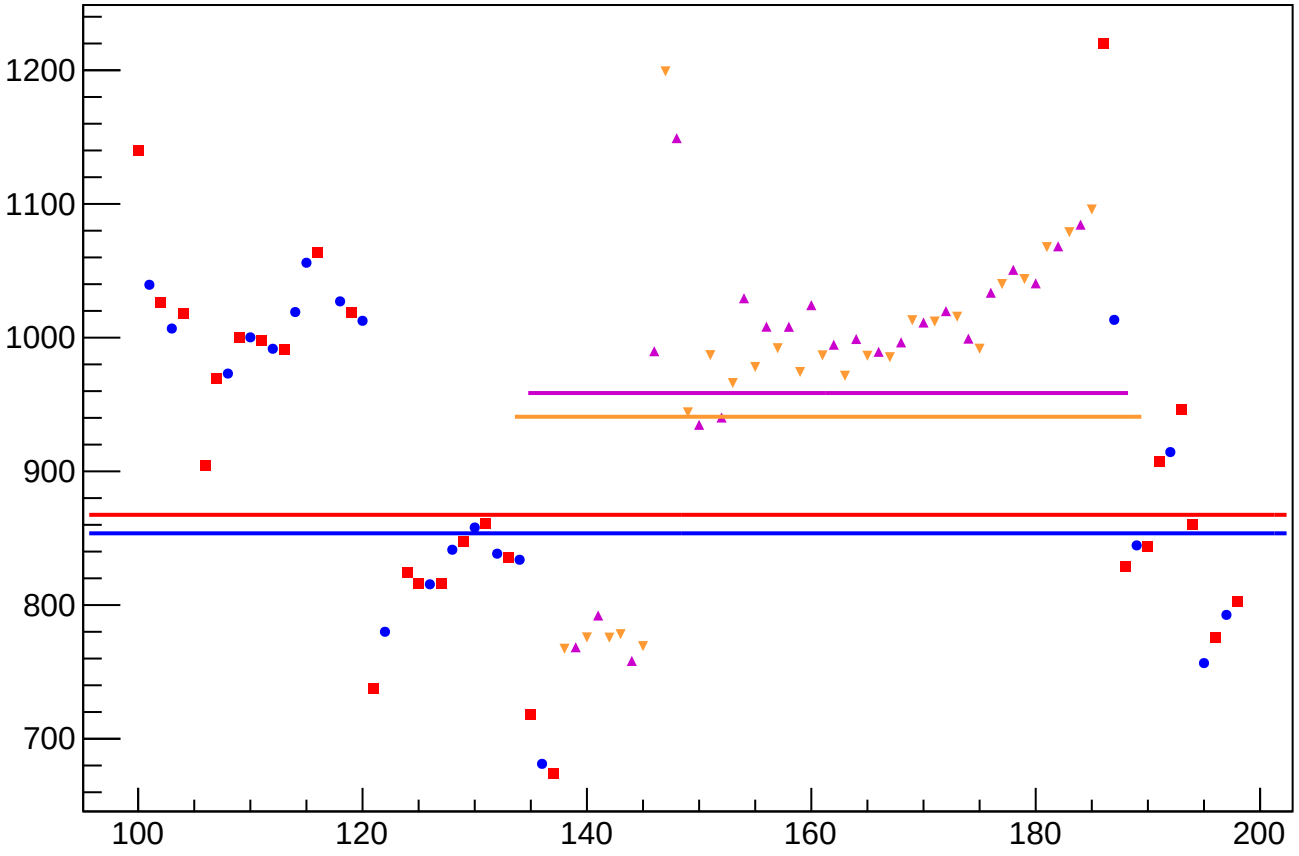
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.066+/-0.167 χ^2/NDF: 50.1/45

All: 0.002+/-0.118 χ^2/NDF: 110.1/95

- sign -0.060+/-0.166 χ^2/NDF: 59.8/49

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 853.655+/-0.186 χ^2/NDF: 363361.3/20

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 867.490+/-0.173 χ^2/NDF: 394501.9/26

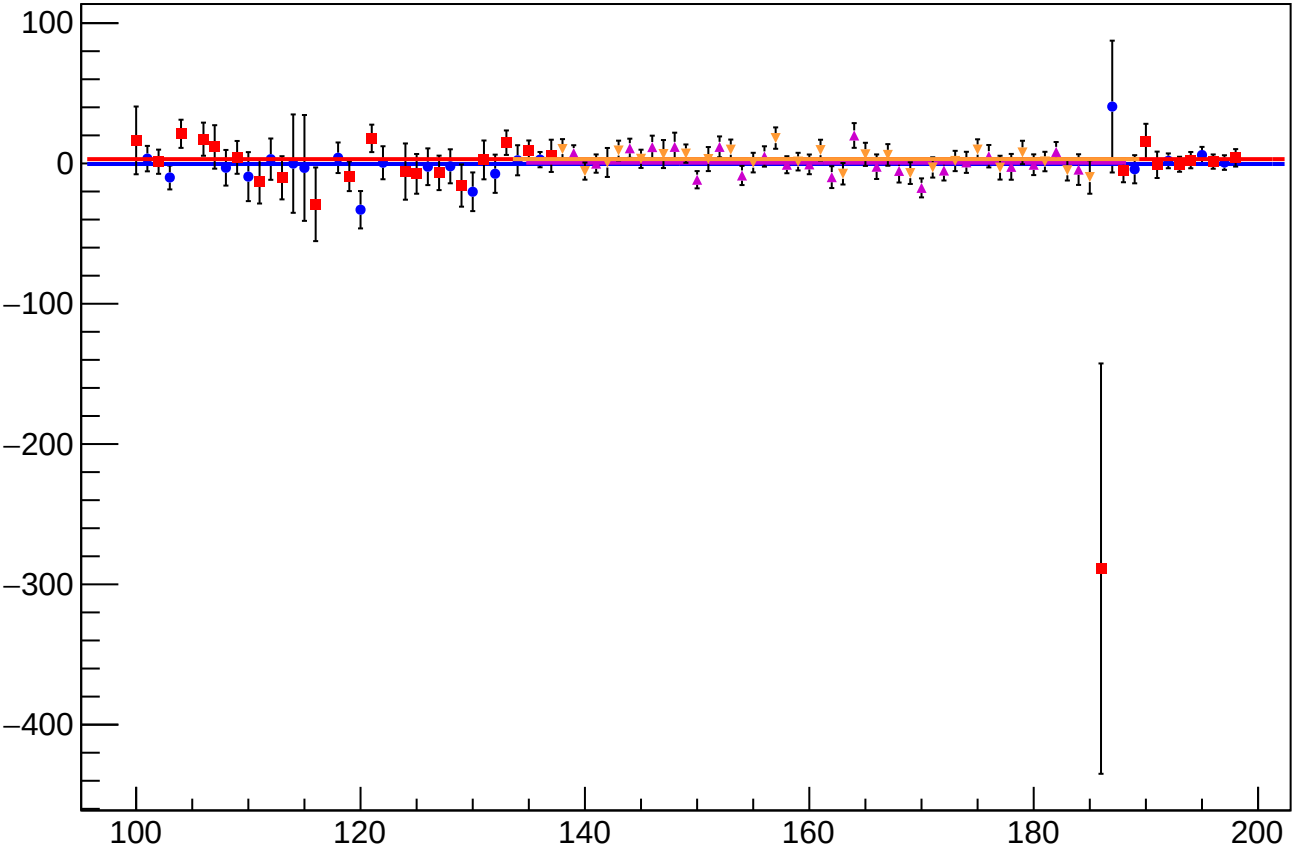
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 905.960+/-0.118 χ^2/NDF: 1063275.7/45

All: 911.345+/-0.083 χ^2/NDF: 2069165.3/95

- sign 916.650+/-0.117 χ^2/NDF: 1001751.6/49

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -0.405+/-2.034 χ^2/NDF: 13.1/20

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 3.067+/-1.830 χ^2/NDF: 24.5/26

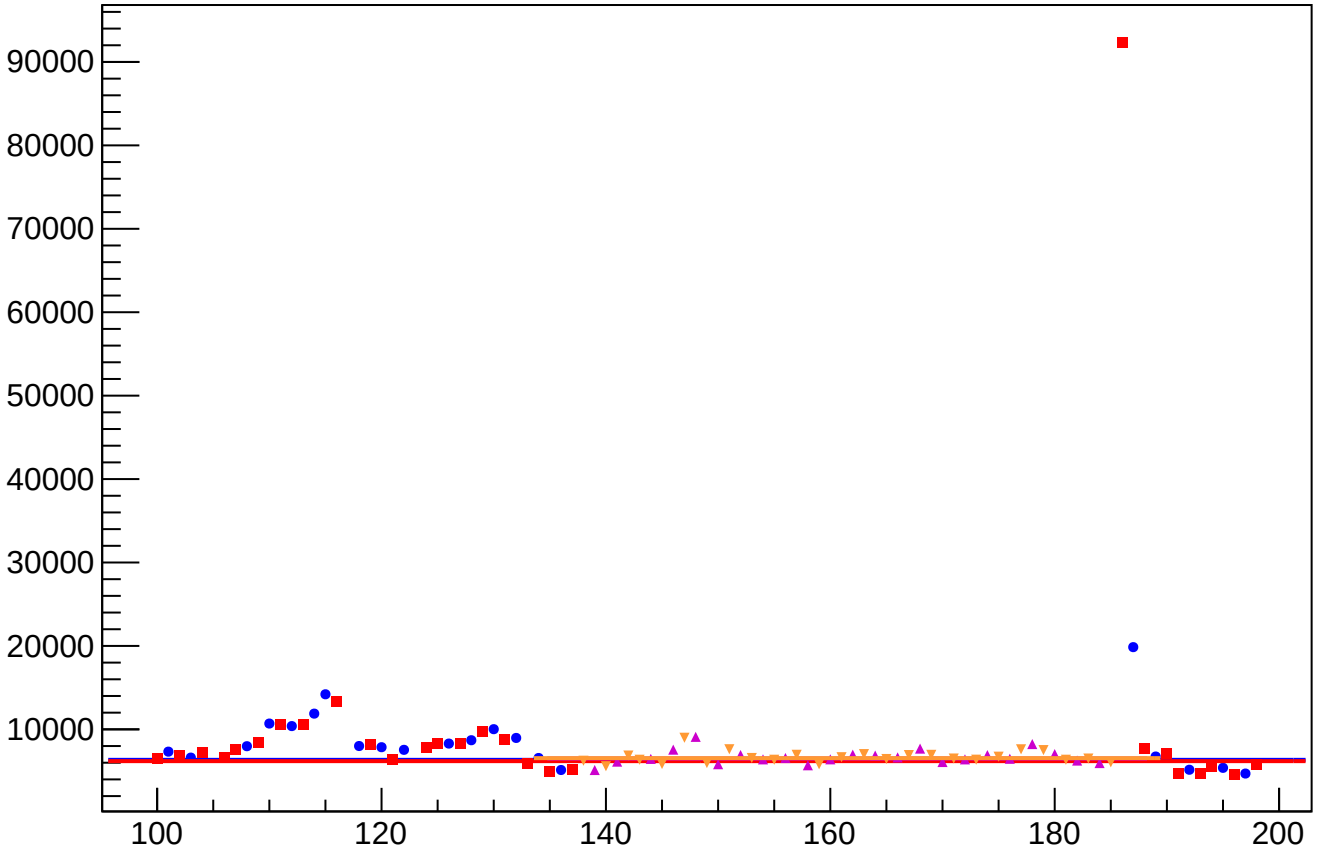
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.865+/-1.207 χ^2/NDF: 33.6/45

All: 1.714+/-0.842 χ^2/NDF: 91.3/95

- sign 1.571+/-1.176 χ^2/NDF: 57.7/49

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6344.382+/-1.438 χ^2/NDF: 1524098.2/20

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6189.347+/-1.294 χ^2/NDF: 2259758.8/26

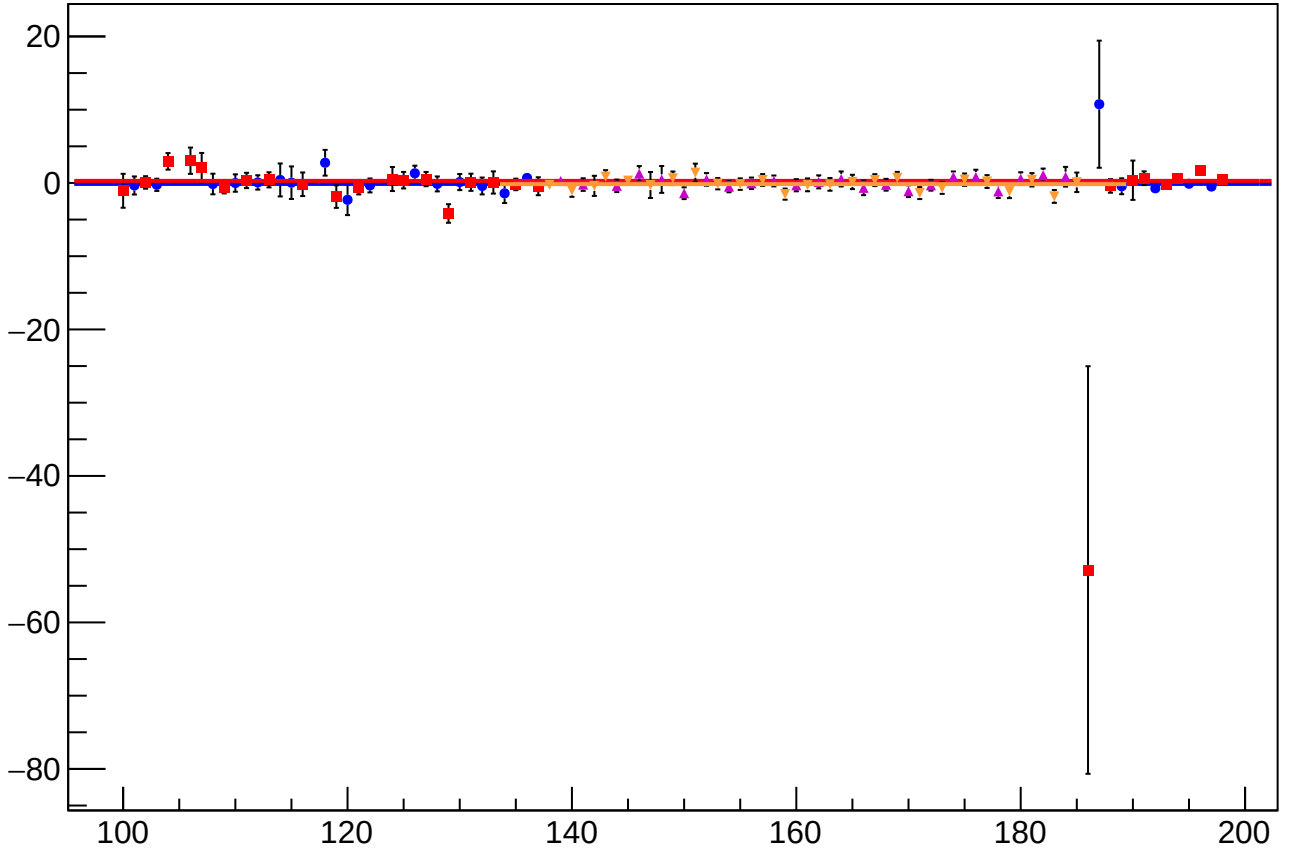
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6476.854+/-0.854 χ^2/NDF: 1903263.5/45

All: 6424.398+/-0.596 χ^2/NDF: 4720828.1/95

- sign 6374.647+/-0.831 χ^2/NDF: 2810209.5/49

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.131+/-0.202 χ^2/NDF: 12.3/20

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.283+/-0.184 χ^2/NDF: 37.7/26

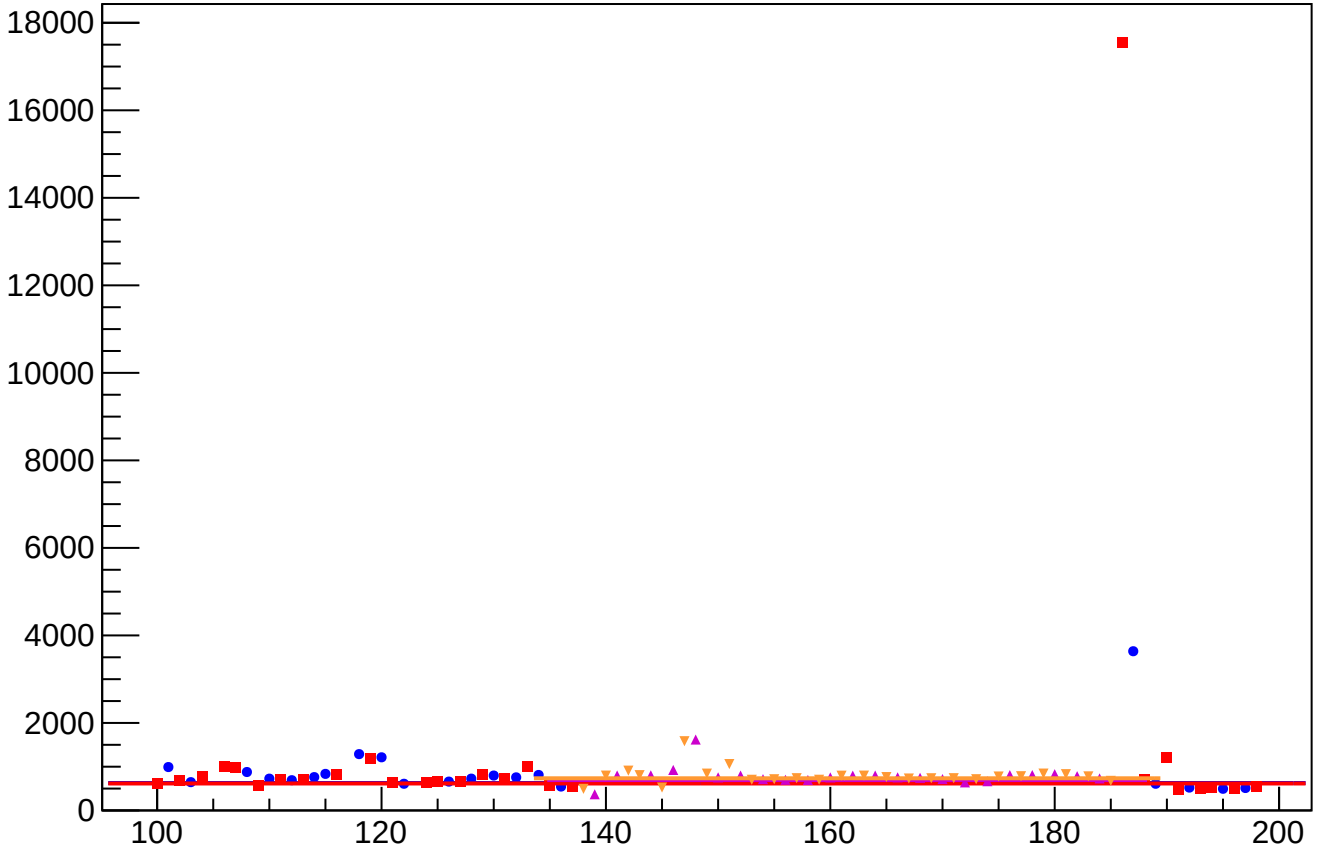
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.149+/-0.131 χ^2/NDF: 31.3/45

All: 0.002+/-0.090 χ^2/NDF: 87.9/95

- sign 0.139+/-0.125 χ^2/NDF: 54.1/49

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 627.022+/-0.143 χ^2/NDF: 1421632.3/20

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 616.644+/-0.130 χ^2/NDF: 1935812.1/26

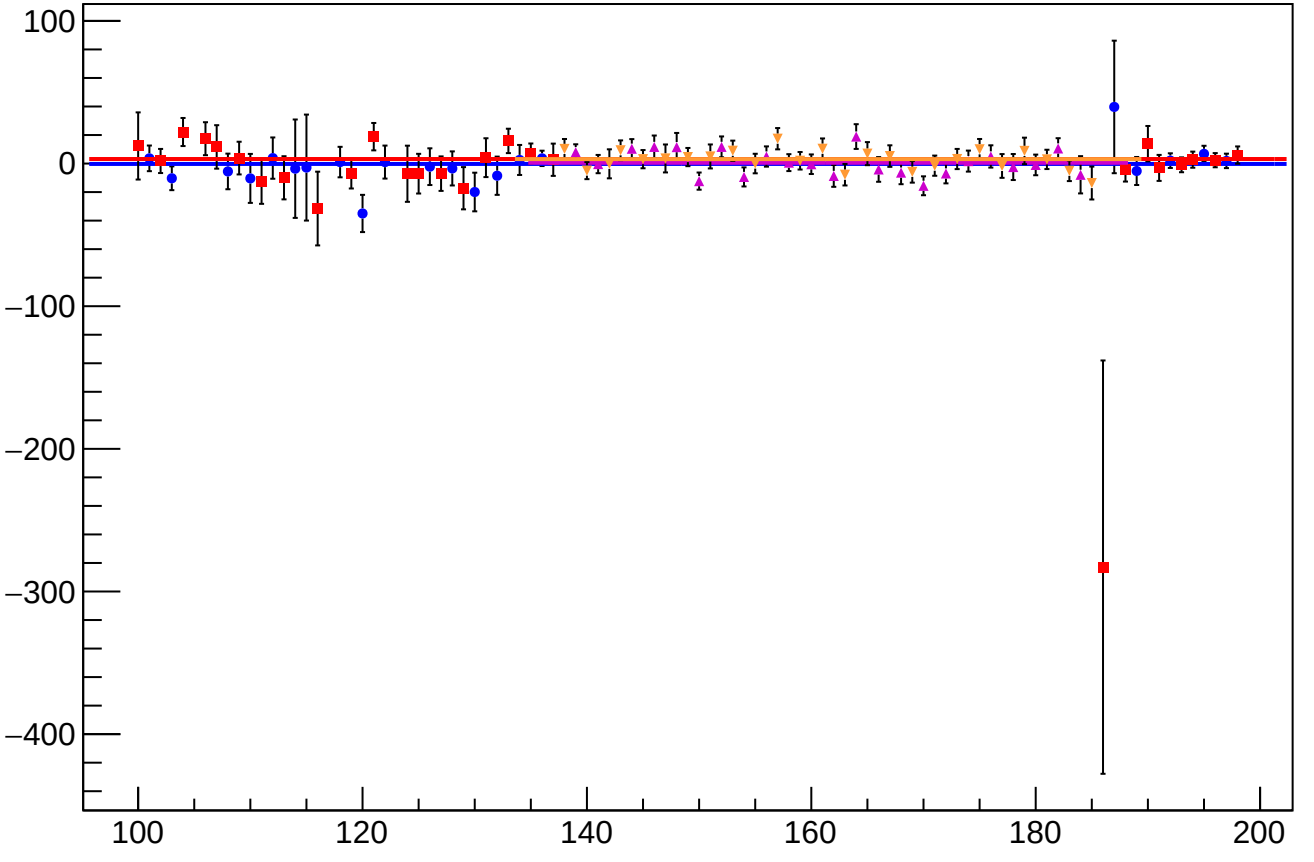
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 689.666+/-0.093 χ^2/NDF: 3091687.6/45

All: 673.428+/-0.064 χ^2/NDF: 7502935.5/95

- sign 658.756+/-0.088 χ^2/NDF: 4352848.5/49

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -0.268+/-1.994 χ^2/NDF: 15.5/20

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

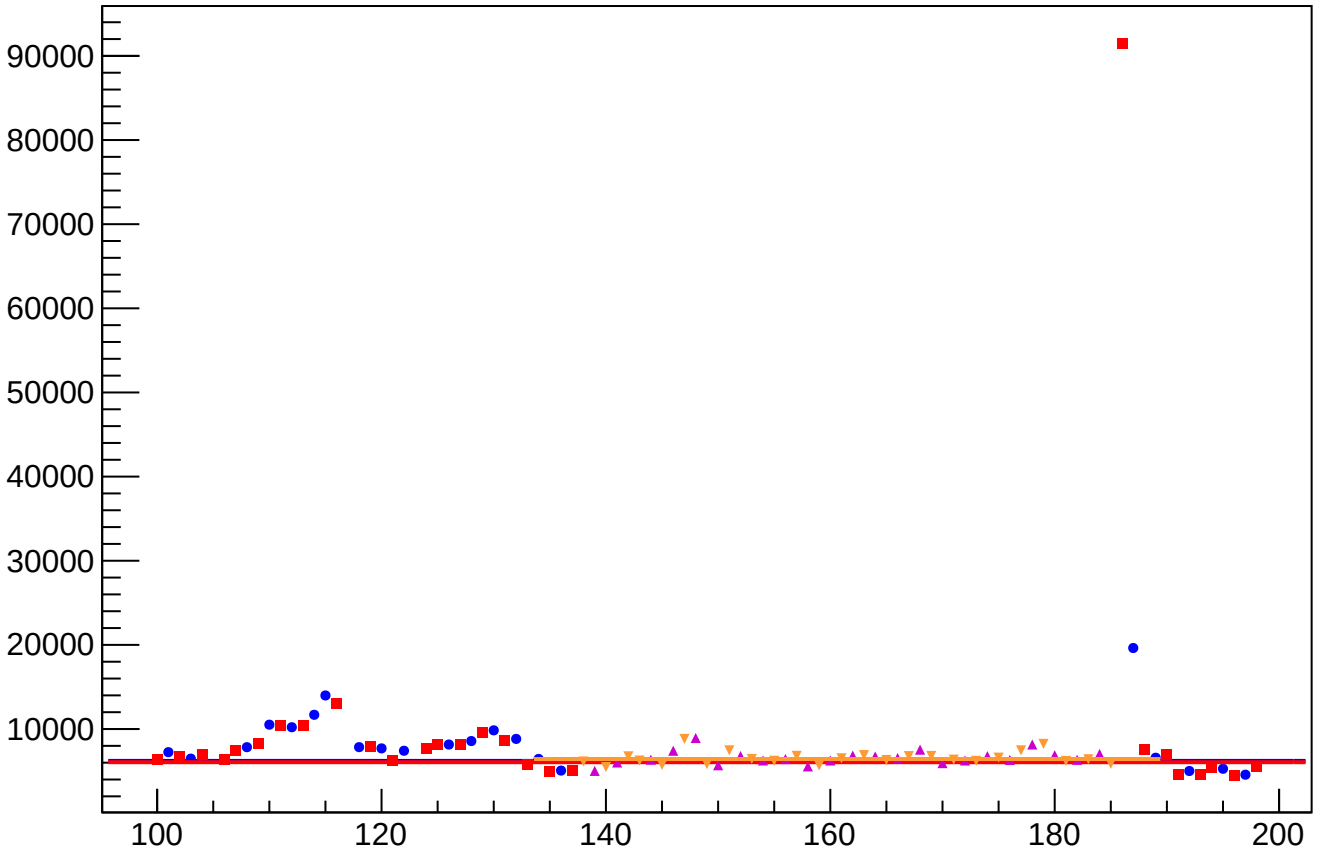
Right Out: 3.186+/-1.792 χ^2/NDF: 25.7/26

Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.915+/-1.186 χ^2/NDF: 36.1/45

All: 1.777+/-0.828 χ^2/NDF: 96.6/95

- sign 1.647+/-1.156 χ^2/NDF: 60.6/49



Right In: 6211.248+/-1.410 χ^2/NDF: 1552793.4/20

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6056.050+/-1.267 χ^2/NDF: 2281157.6/26

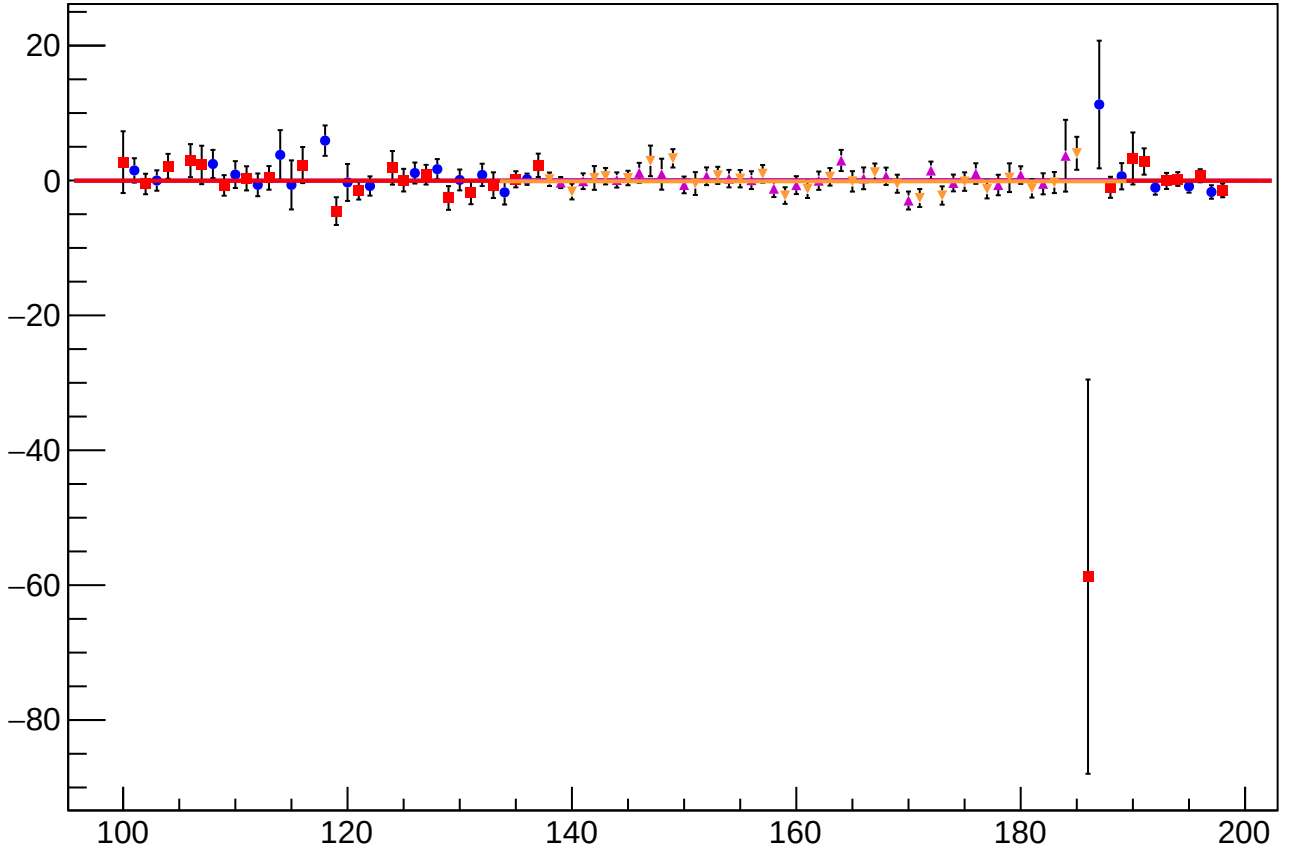
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6356.021+/-0.839 χ^2/NDF: 1986431.1/45

All: 6306.747+/-0.585 χ^2/NDF: 4843733.5/95

- sign 6259.986+/-0.817 χ^2/NDF: 2850579.6/49

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: -0.020+/-0.328 χ^2/NDF: 20.1/20

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.035+/-0.310 χ^2/NDF: 26.7/26

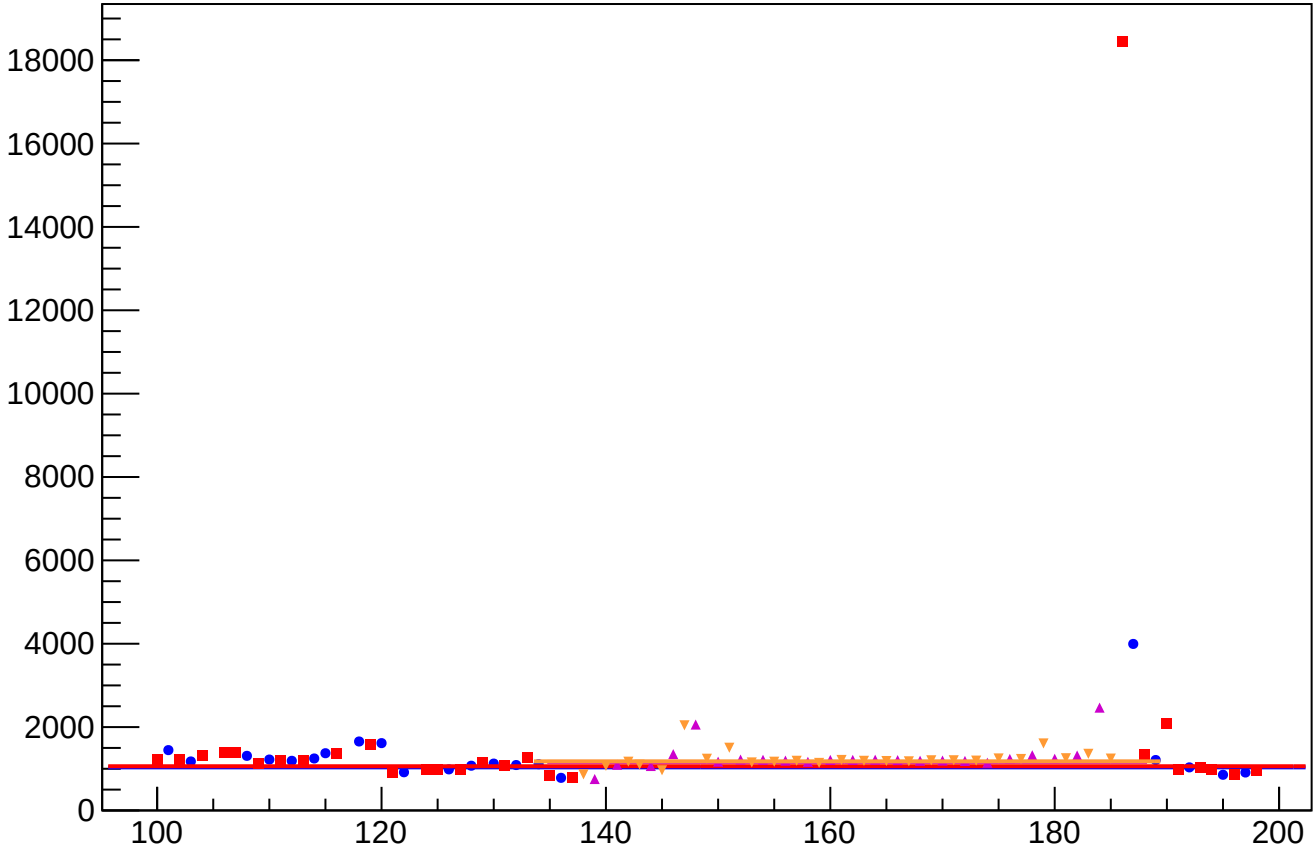
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.080+/-0.210 χ^2/NDF: 47.1/45

All: -0.039+/-0.147 χ^2/NDF: 88.4/95

- sign 0.001+/-0.207 χ^2/NDF: 41.2/49

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1034.121+/-0.232 χ^2/NDF: 986425.1/20

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1060.567+/-0.219 χ^2/NDF: 1533677.9/26

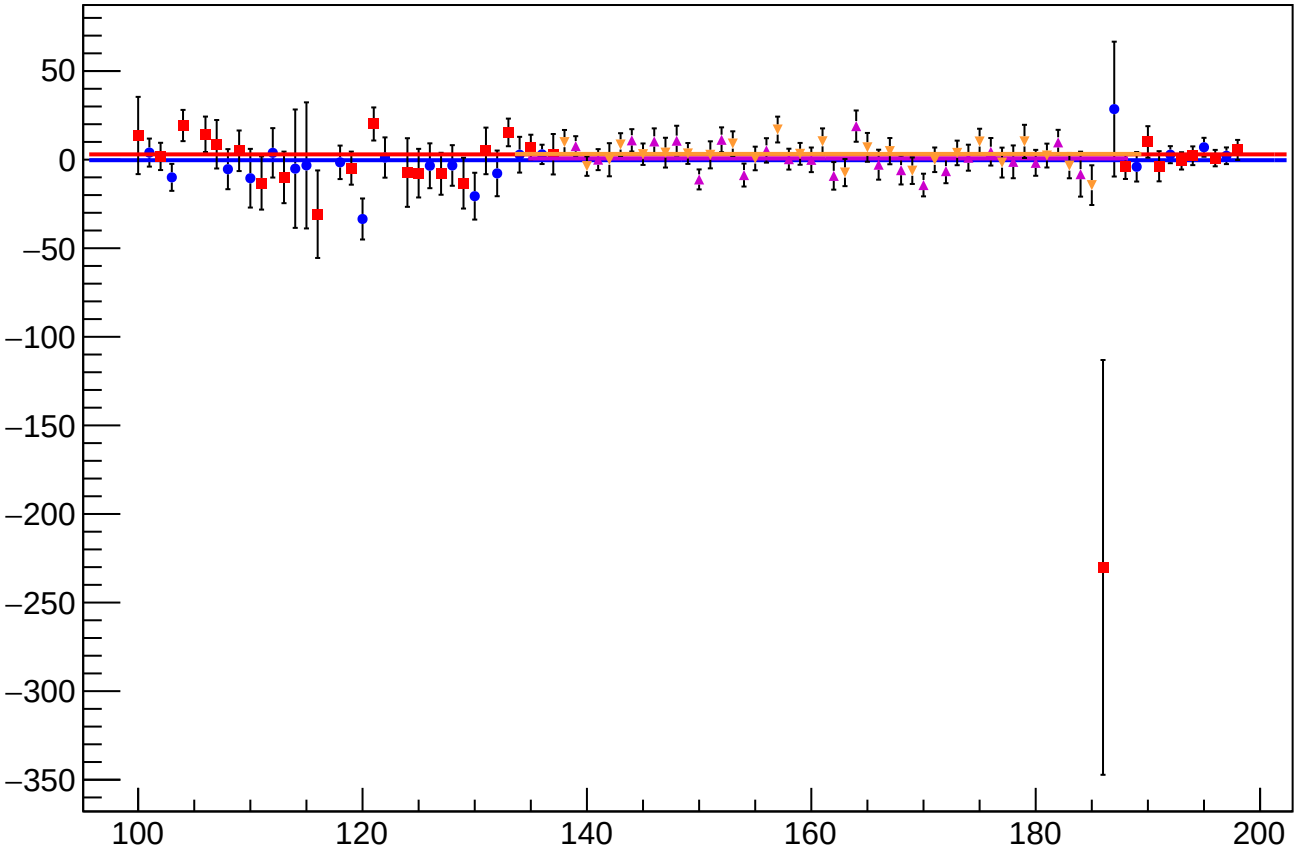
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1118.885+/-0.149 χ^2/NDF: 2013541.7/45

All: 1118.262+/-0.104 χ^2/NDF: 4722333.4/95

- sign 1117.655+/-0.146 χ^2/NDF: 2708756.9/49

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -0.319+/-1.871 χ^2/NDF: 17.5/20

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

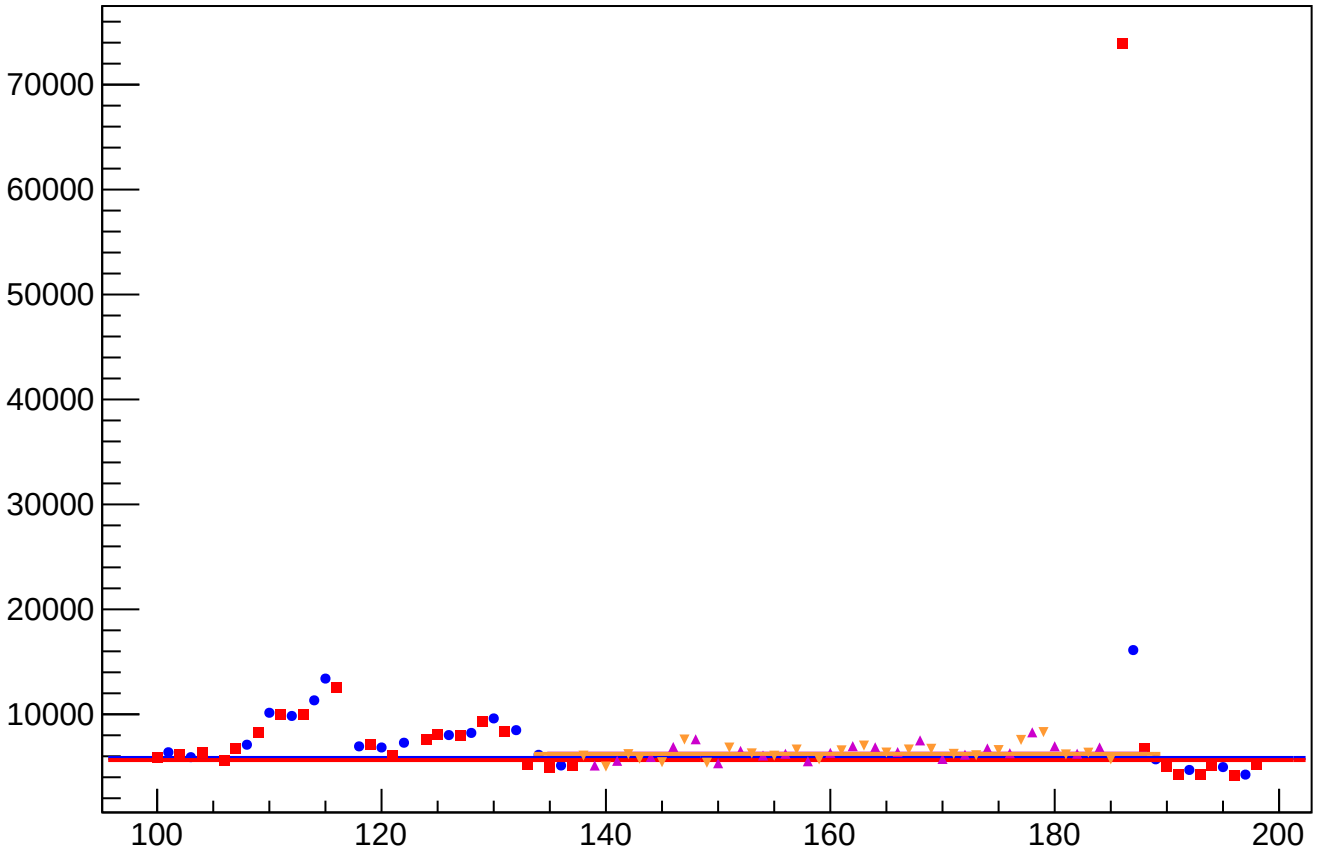
Right Out: 2.971+/-1.666 χ^2/NDF: 26.0/26

Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.925+/-1.136 χ^2/NDF: 37.7/45

All: 1.798+/-0.792 χ^2/NDF: 97.2/95

- sign 1.678+/-1.104 χ^2/NDF: 59.5/49



Right In: 5839.559+/-1.323 χ^2/NDF: 1522835.2/20

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

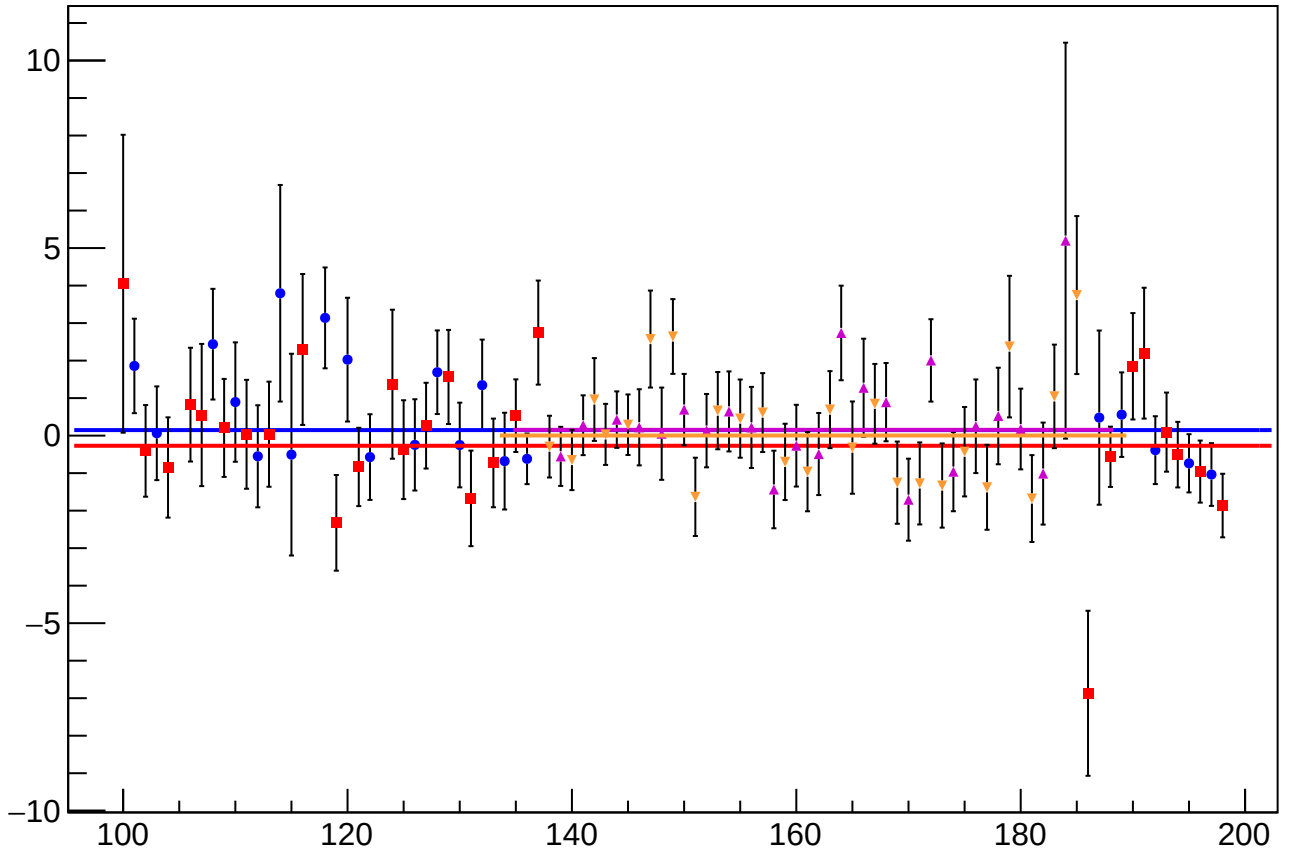
Right Out: 5639.679+/-1.178 χ^2/NDF: 2298822.5/26

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6085.251+/-0.803 χ^2/NDF: 2048290.3/45

All: 6031.240+/-0.560 χ^2/NDF: 4989913.8/95

- sign 5980.252+/-0.780 χ^2/NDF: 2932834.4/49



Right In: 0.147+/-0.253 χ^2/NDF: 21.7/20

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.271+/-0.235 χ^2/NDF: 34.5/26

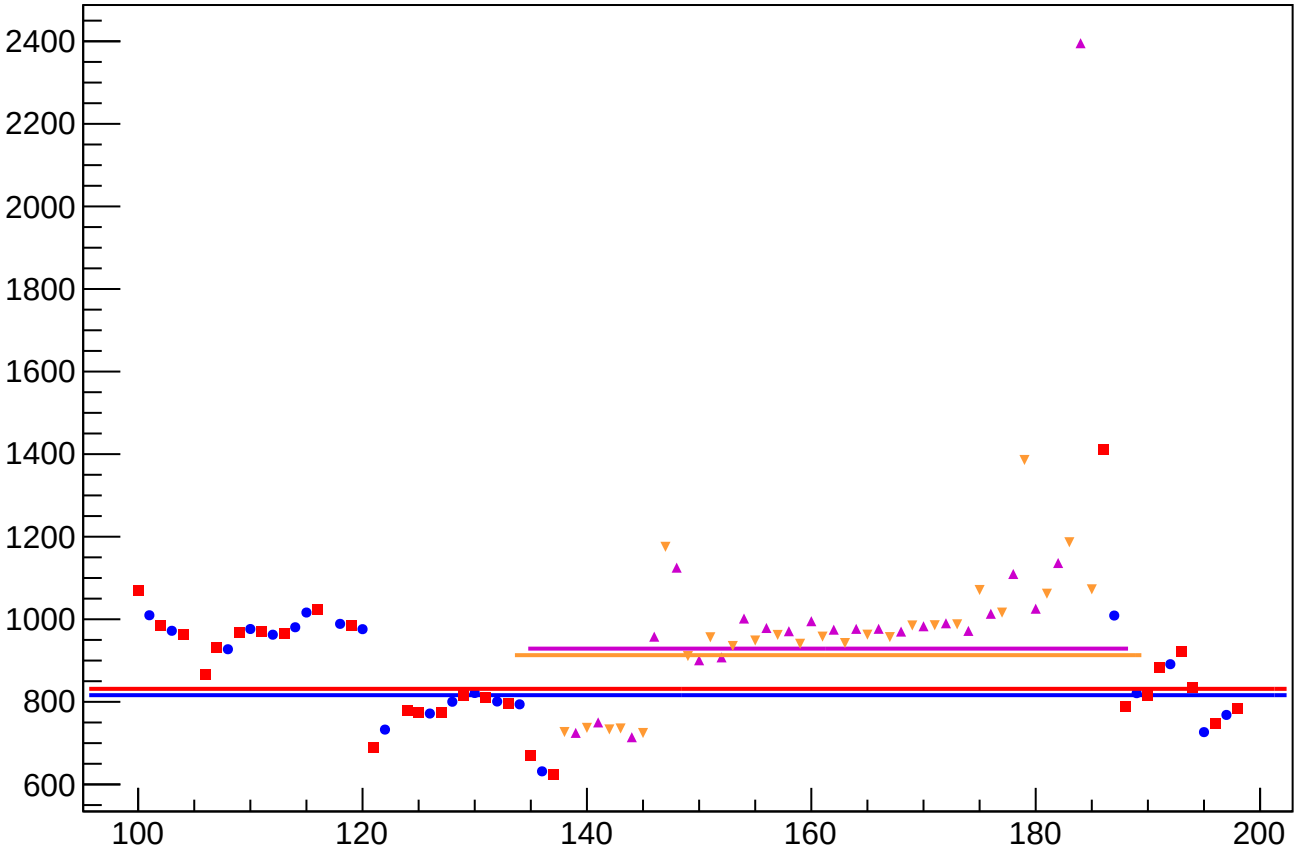
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.063+/-0.162 χ^2/NDF: 53.5/45

All: 0.008+/-0.114 χ^2/NDF: 108.3/95

- sign -0.046+/-0.161 χ^2/NDF: 54.6/49

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 816.156+/-0.179 χ^2/NDF: 427647.0/20

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

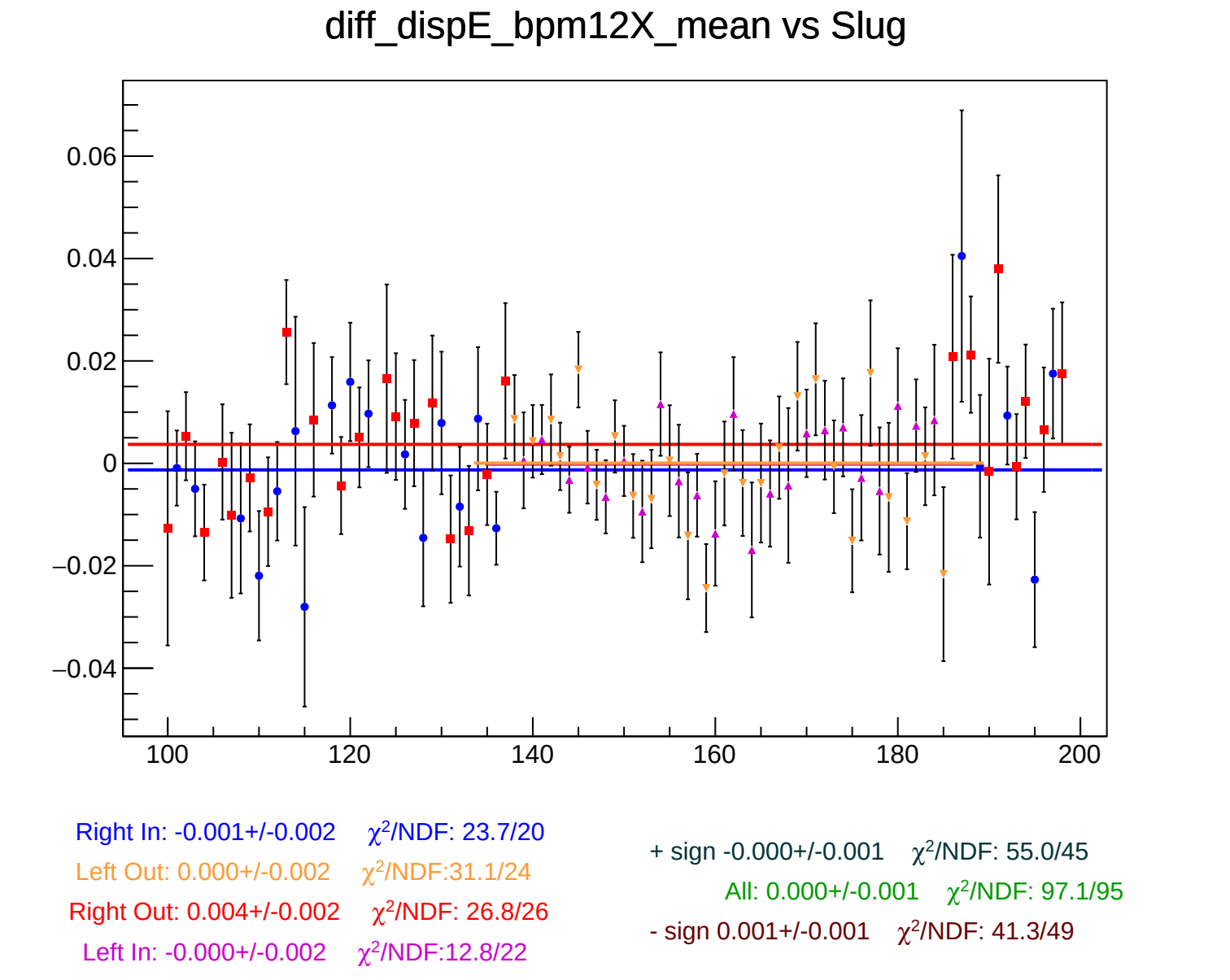
Right Out: 831.512+/-0.166 χ^2/NDF: 508954.3/26

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

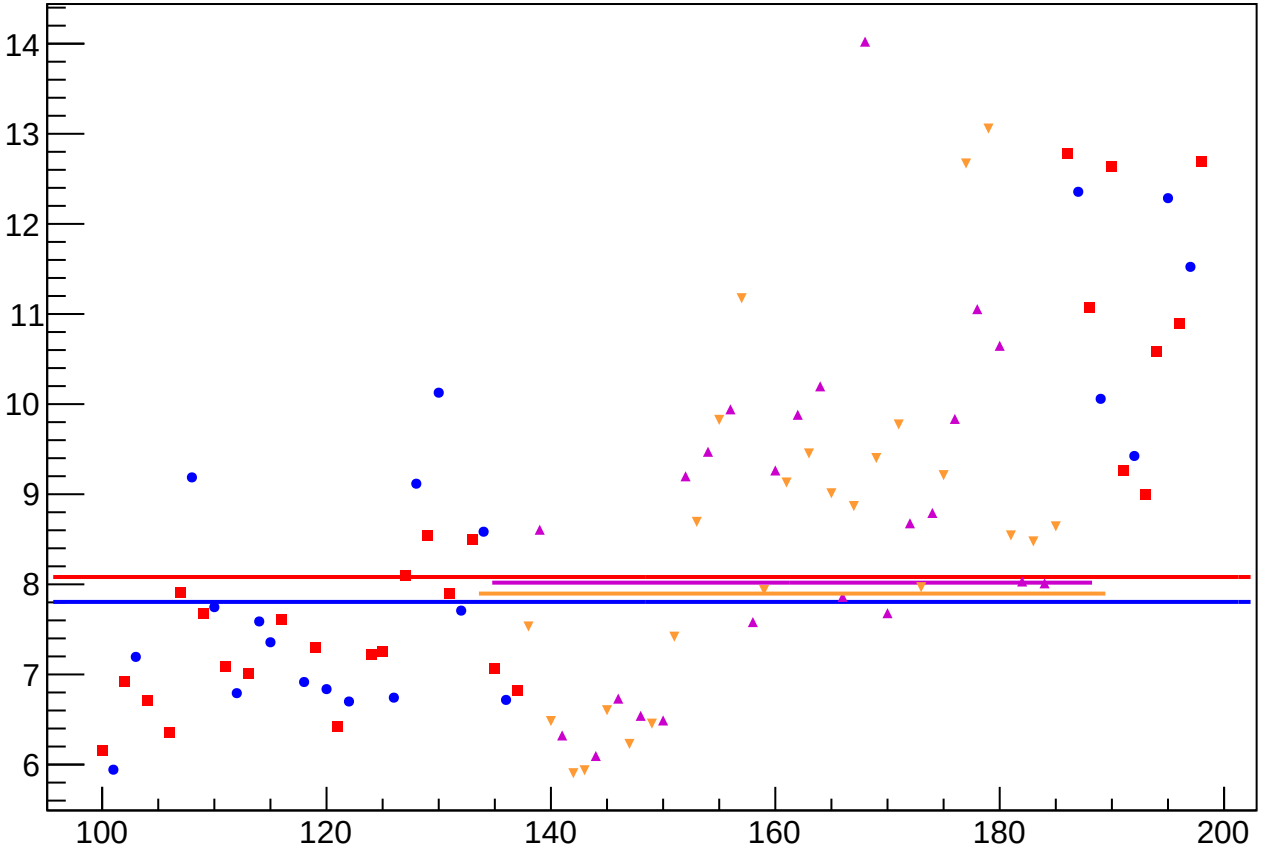
+ sign 873.087+/-0.115 χ^2/NDF: 1489410.7/45

All: 878.154+/-0.081 χ^2/NDF: 2953783.7/95

- sign 883.129+/-0.114 χ^2/NDF: 1460515.2/49


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: 23.7/20
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: 0.004+/-0.002 χ²/NDF: 26.8/26
Left In: -0.000+/-0.002 χ²/NDF:12.8/22
+ sign -0.000+/-0.001 χ²/NDF: 55.0/45
All: 0.000+/-0.001 χ²/NDF: 97.1/95
- sign 0.001+/-0.001 χ²/NDF: 41.3/49

diff_dispE_bpm12X_rms vs Slug



Right In: 7.805+/-0.002 χ^2/NDF: 944676.9/20

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

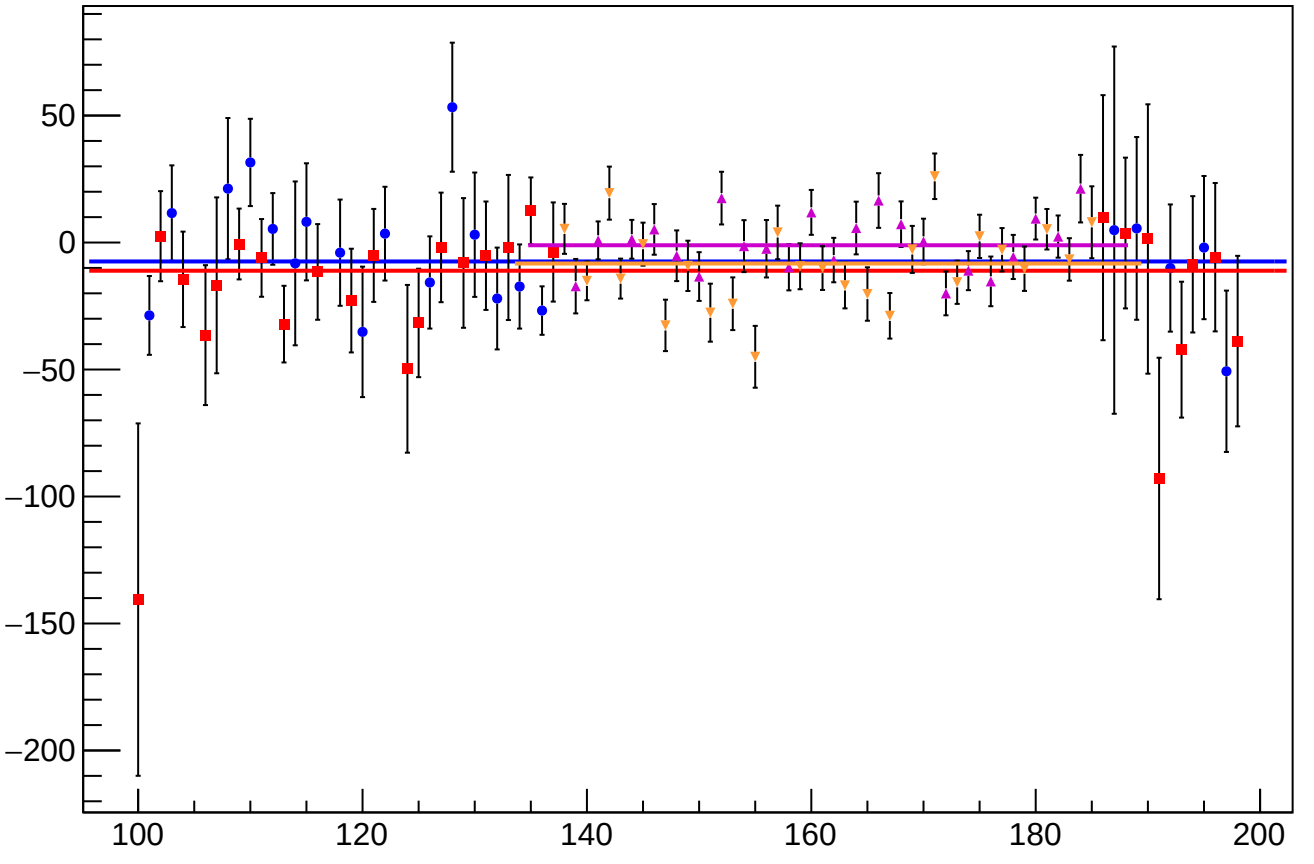
Right Out: 8.081+/-0.002 χ^2/NDF: 1097003.6/26

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.864+/-0.001 χ^2/NDF: 2537354.5/45

All: 7.954+/-0.001 χ^2/NDF: 5105824.4/95

- sign 8.044+/-0.001 χ^2/NDF: 2553586.6/49



Right In: -7.449+/-4.286 χ^2/NDF: 25.1/20

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -11.100+/-4.218 χ^2/NDF: 19.6/26

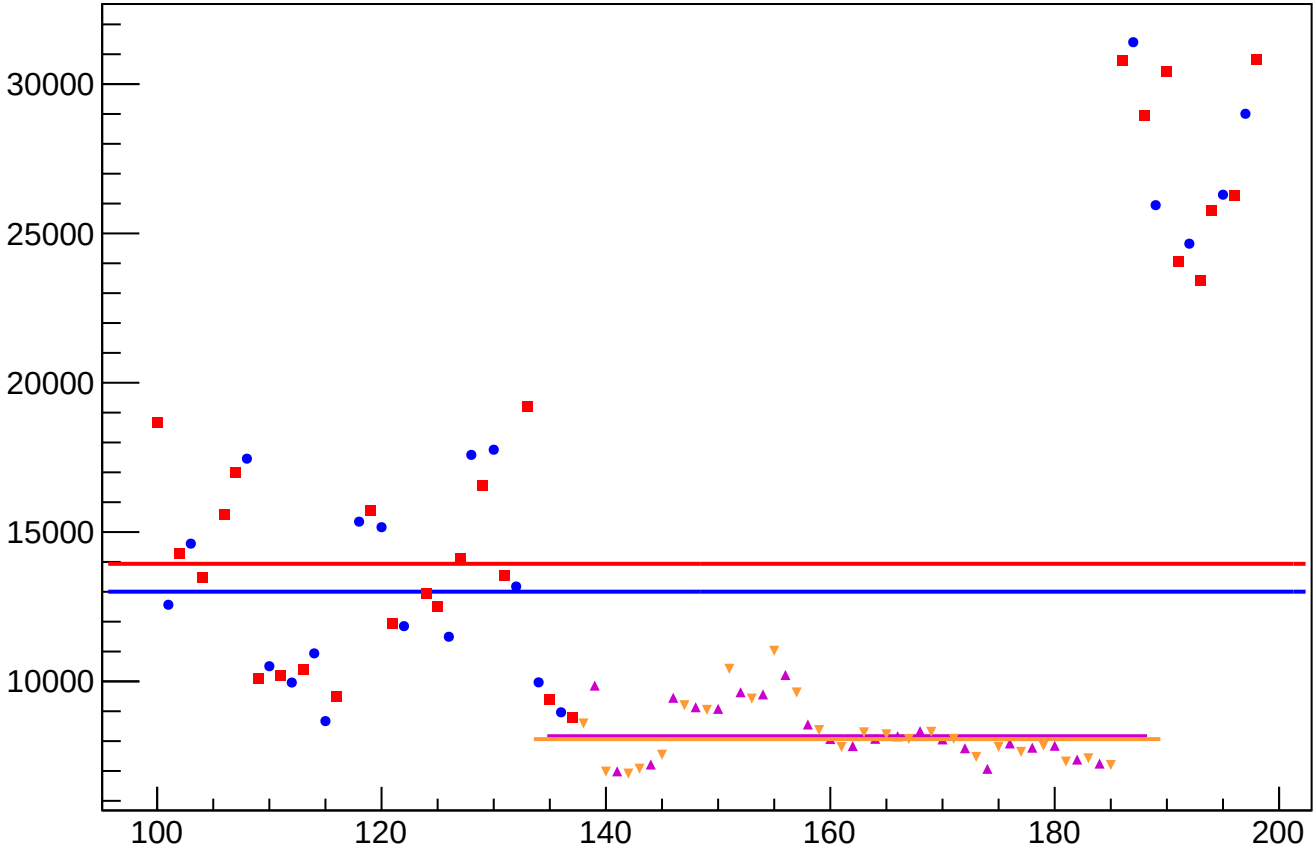
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.130+/-1.698 χ^2/NDF: 87.3/45

All: -5.539+/-1.218 χ^2/NDF: 145.2/95

- sign -2.794+/-1.748 χ^2/NDF: 53.1/49

diff_targ_positionX_rms vs Slug



Right In: 13003.775+/-3.030 χ^2/NDF: 2682460.0/20

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

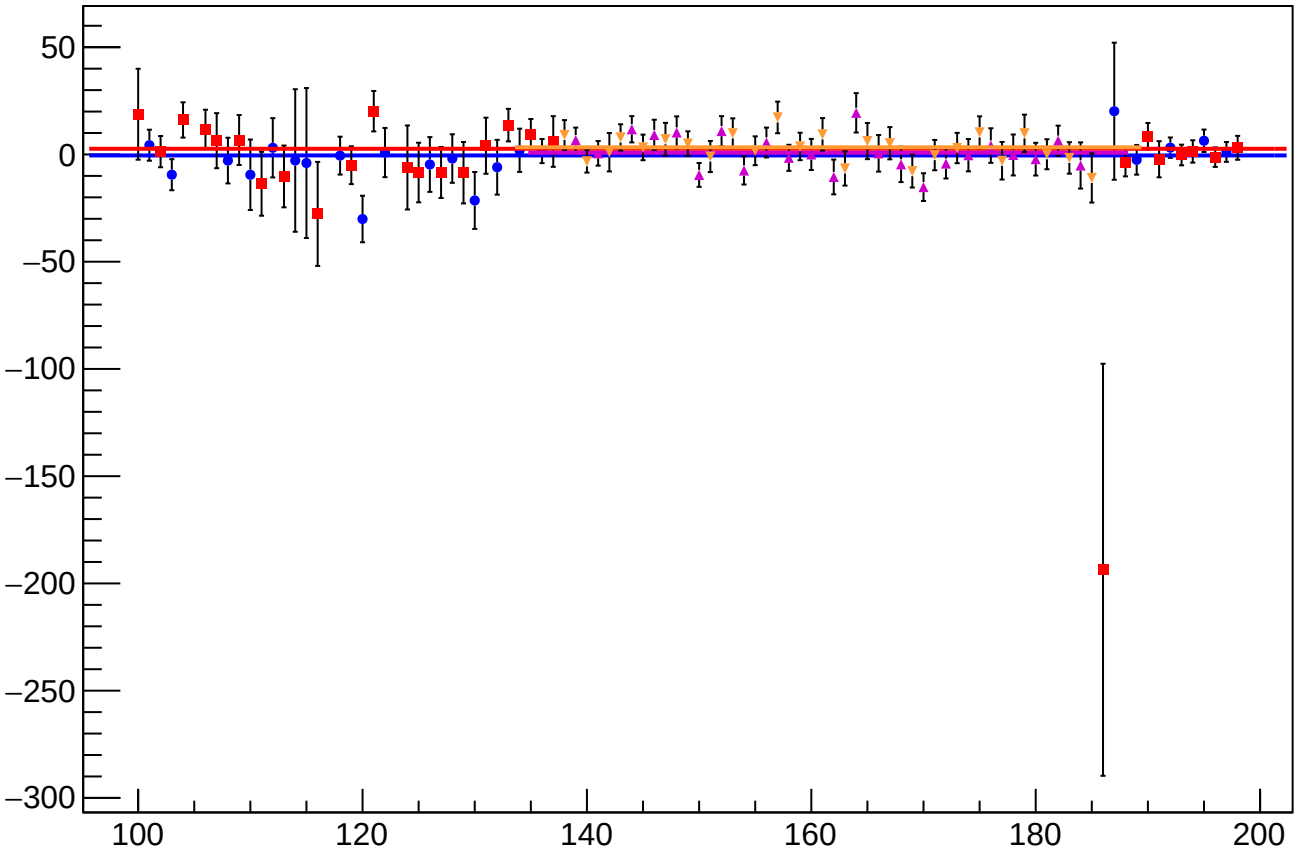
Right Out: 13937.126+/-2.982 χ^2/NDF: 3585717.5/26

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8841.799+/-1.201 χ^2/NDF: 5418179.0/45

All: 8993.966+/-0.861 χ^2/NDF: 12573241.5/9

- sign 9155.231+/-1.236 χ^2/NDF: 7121980.9/49



Right In: -0.460+/-1.815 χ^2/NDF: 15.8/20

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

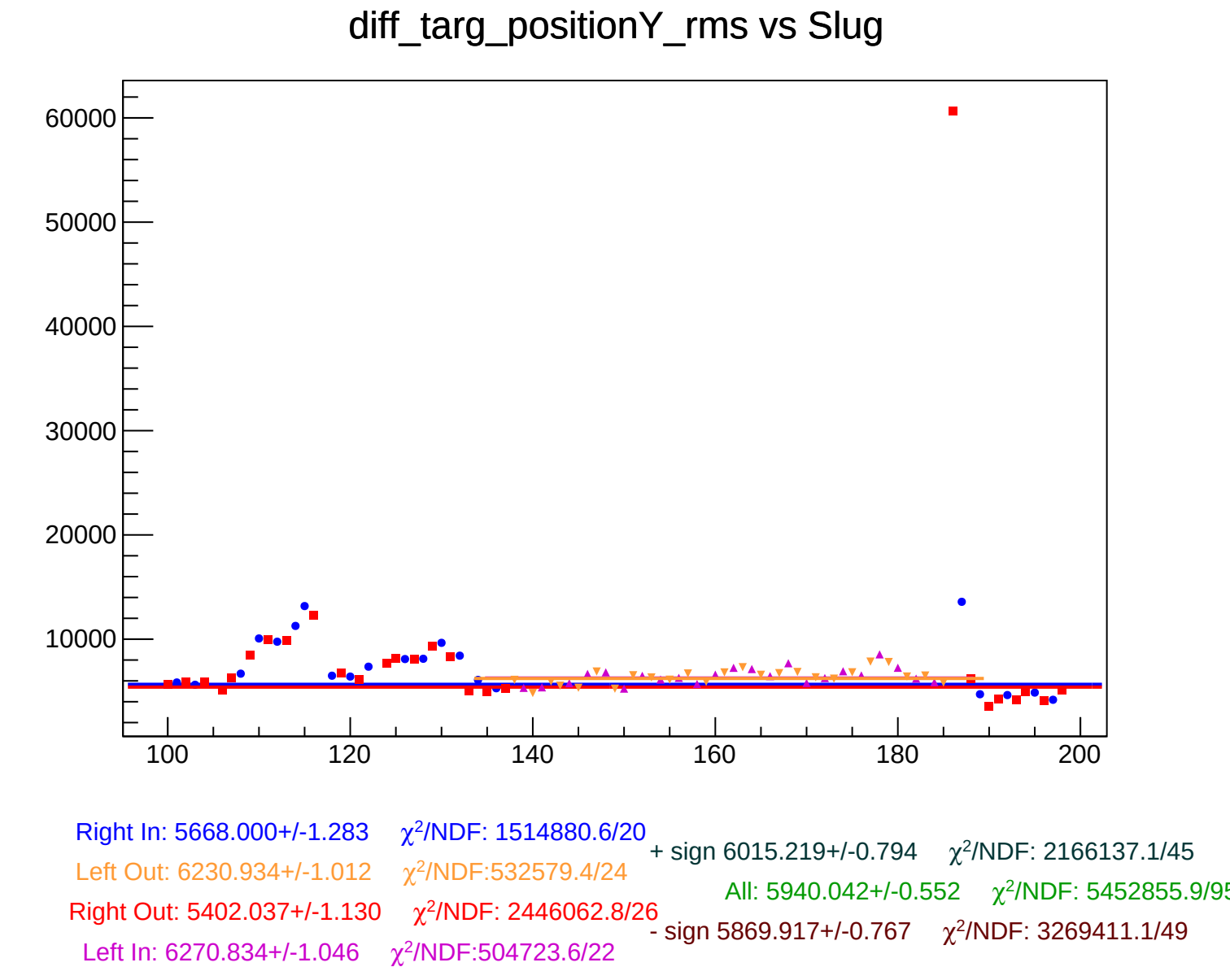
Right Out: 2.649+/-1.597 χ^2/NDF: 25.3/26

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

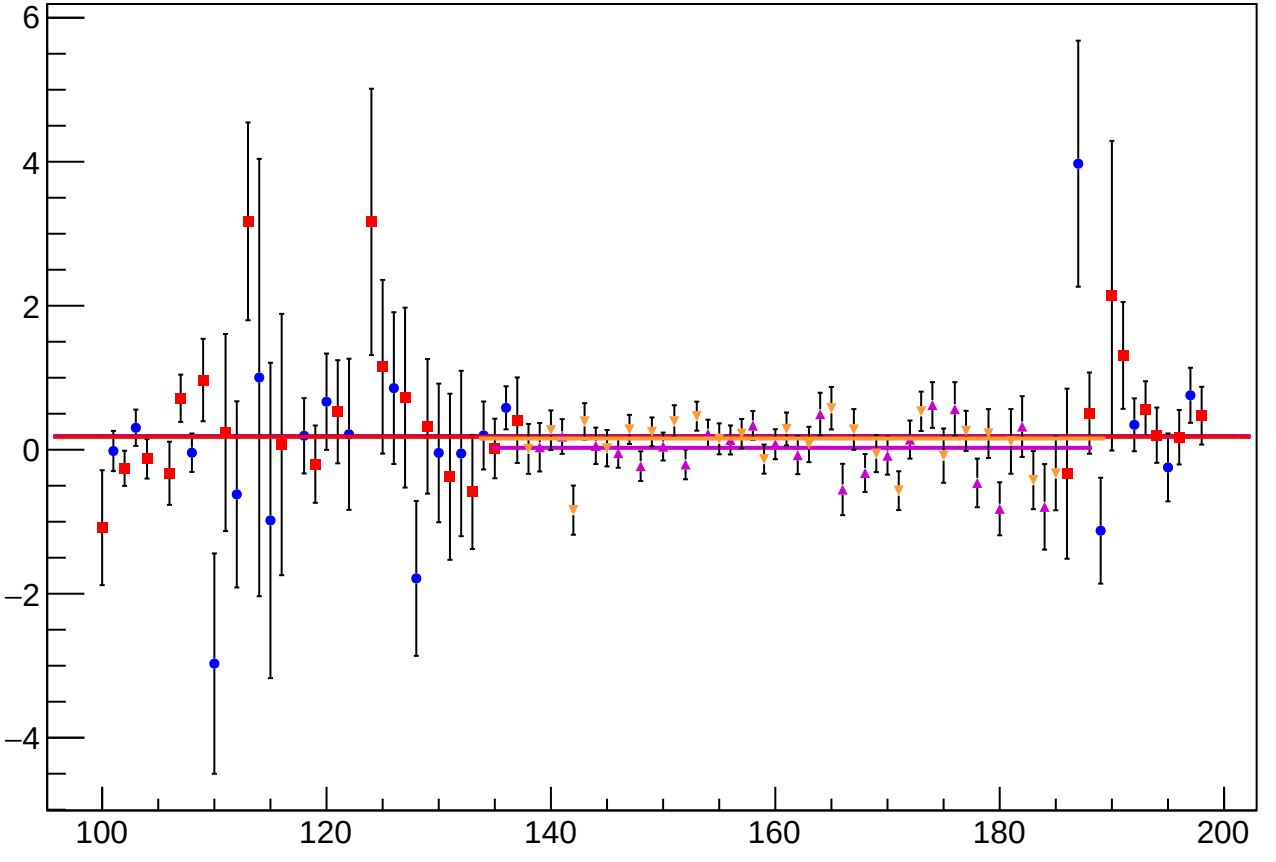
\+ sign 1.877+/-1.124 χ^2/NDF: 35.4/45

All: 1.761+/-0.781 χ^2/NDF: 90.9/95

\- sign 1.651+/-1.085 χ^2/NDF: 55.4/49


diff_targ_positionY_rms vs Slug
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5668.000+/-1.283 χ²/NDF: 1514880.6/20
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5402.037+/-1.130 χ²/NDF: 2446062.8/26
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
+ sign 6015.219+/-0.794 χ²/NDF: 2166137.1/45
All: 5940.042+/-0.552 χ²/NDF: 5452855.9/95
- sign 5869.917+/-0.767 χ²/NDF: 3269411.1/49

diff_targ_thetaX_mean vs Slug



Right In: 0.188+/-0.105 χ^2/NDF: 24.0/20

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.180+/-0.099 χ^2/NDF: 28.5/26

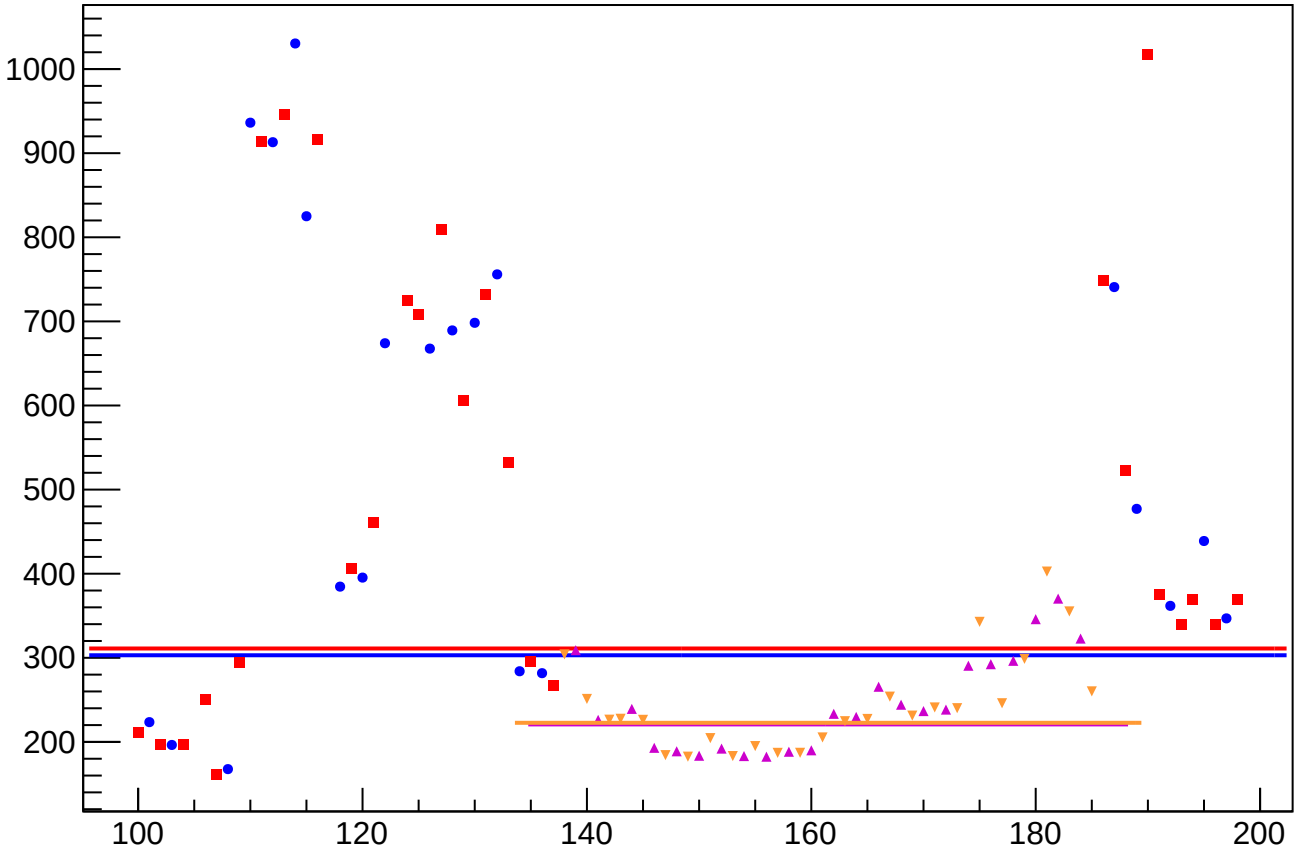
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.162+/-0.047 χ^2/NDF: 56.3/45

All: 0.111+/-0.033 χ^2/NDF: 118.8/95

- sign 0.061+/-0.047 χ^2/NDF: 60.1/49

diff_targ_thetaX_rms vs Slug



Right In: 303.027+/-0.074 χ^2/NDF: 4032100.0/20

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 311.073+/-0.070 χ^2/NDF: 4630101.0/26

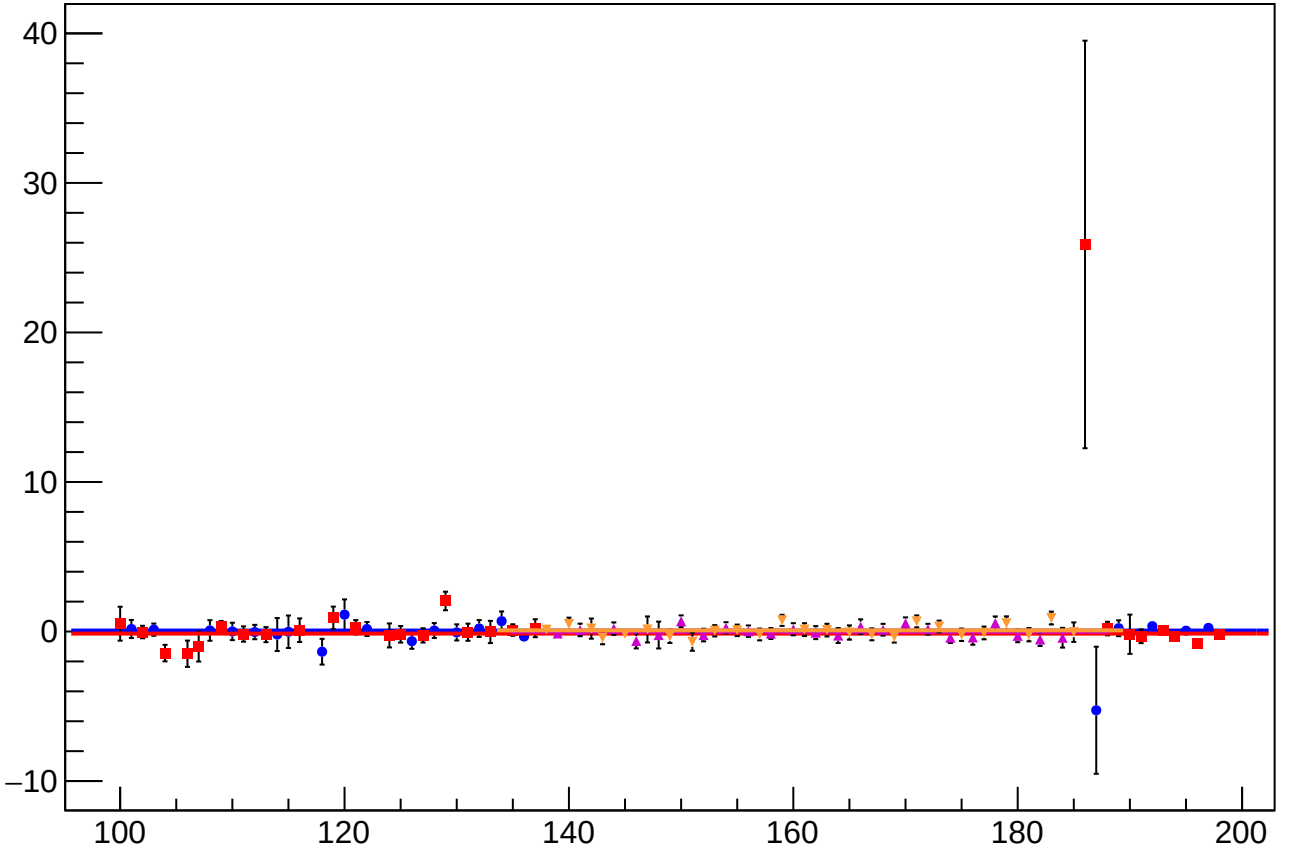
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 238.524+/-0.033 χ^2/NDF: 6424902.0/45

All: 239.724+/-0.023 χ^2/NDF: 13824502.6/95

- sign 240.932+/-0.033 χ^2/NDF: 7396929.7/49

diff_targ_thetaY_mean vs Slug



Right In: 0.064+/-0.099 χ^2/NDF: 12.3/20

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.139+/-0.090 χ^2/NDF: 37.7/26

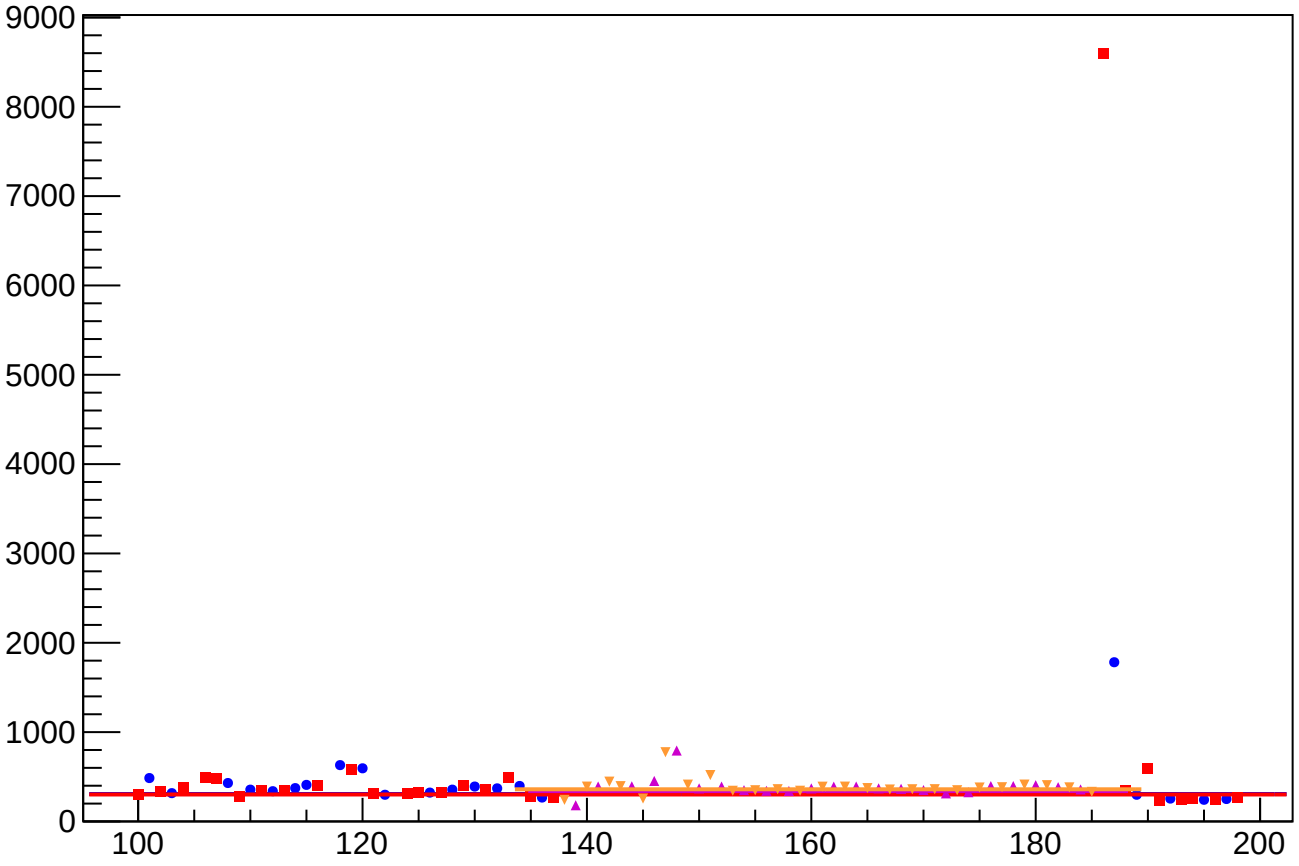
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.073+/-0.064 χ^2/NDF: 31.3/45

All: -0.001+/-0.044 χ^2/NDF: 87.9/95

- sign -0.068+/-0.061 χ^2/NDF: 54.1/49

diff_targ_thetaY_rms vs Slug



Right In: 307.138+/-0.070 χ^2/NDF: 1421632.3/20

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

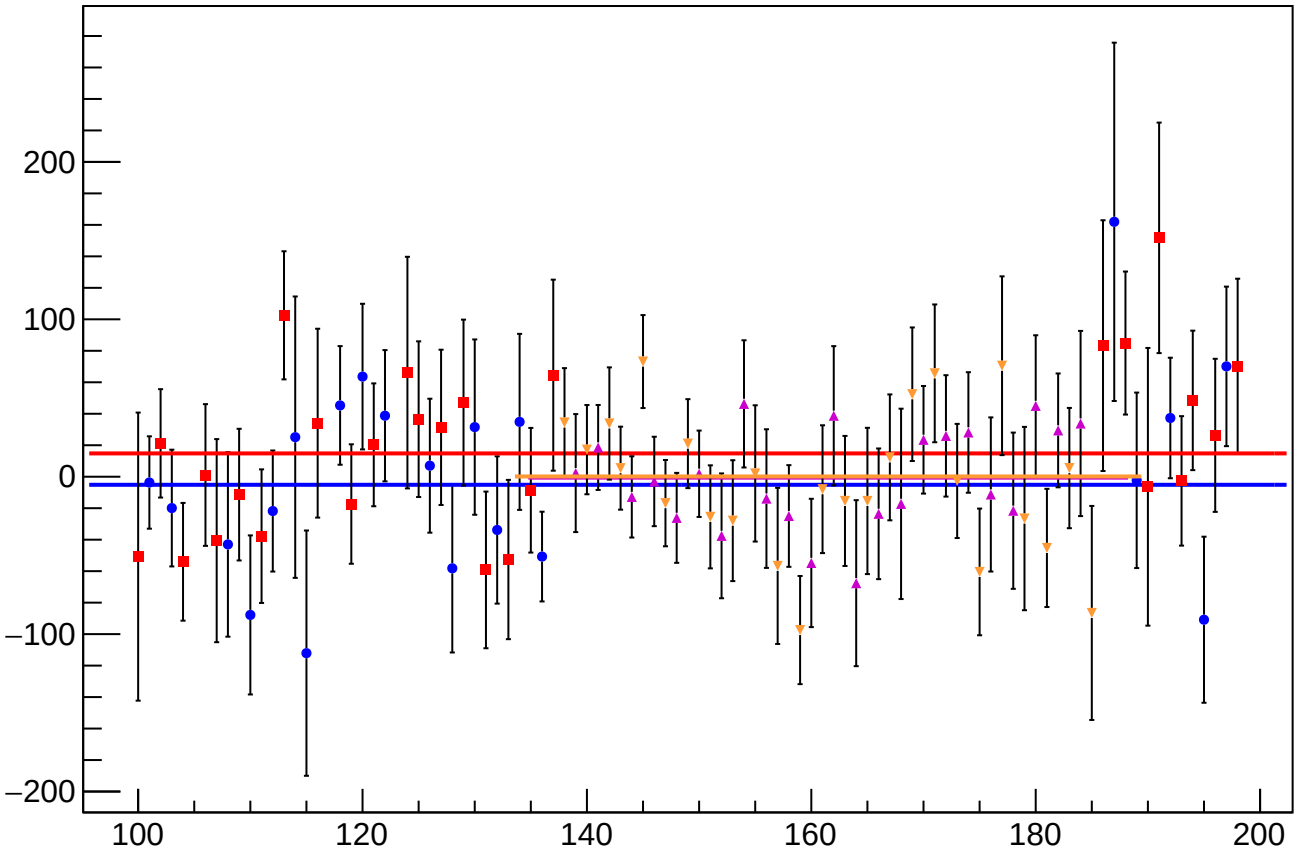
Right Out: 302.054+/-0.064 χ^2/NDF: 1935812.1/26

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 337.823+/-0.045 χ^2/NDF: 3091687.6/45

All: 329.869+/-0.031 χ^2/NDF: 7502935.5/95

- sign 322.682+/-0.043 χ^2/NDF: 4352848.5/49



Right In: -5.125+/-9.831 χ^2/NDF: 23.7/20

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

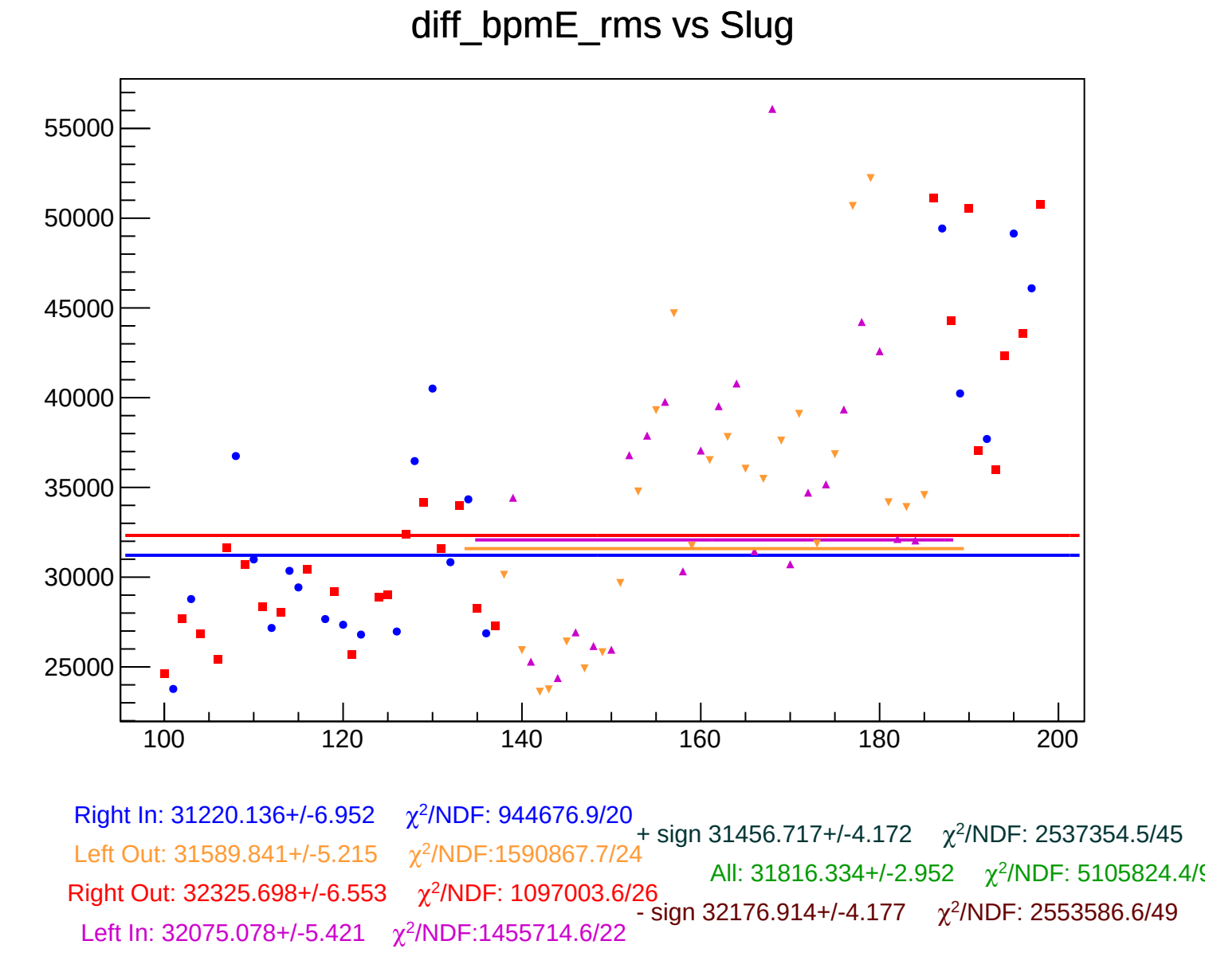
Right Out: 14.809+/-9.267 χ^2/NDF: 26.8/26

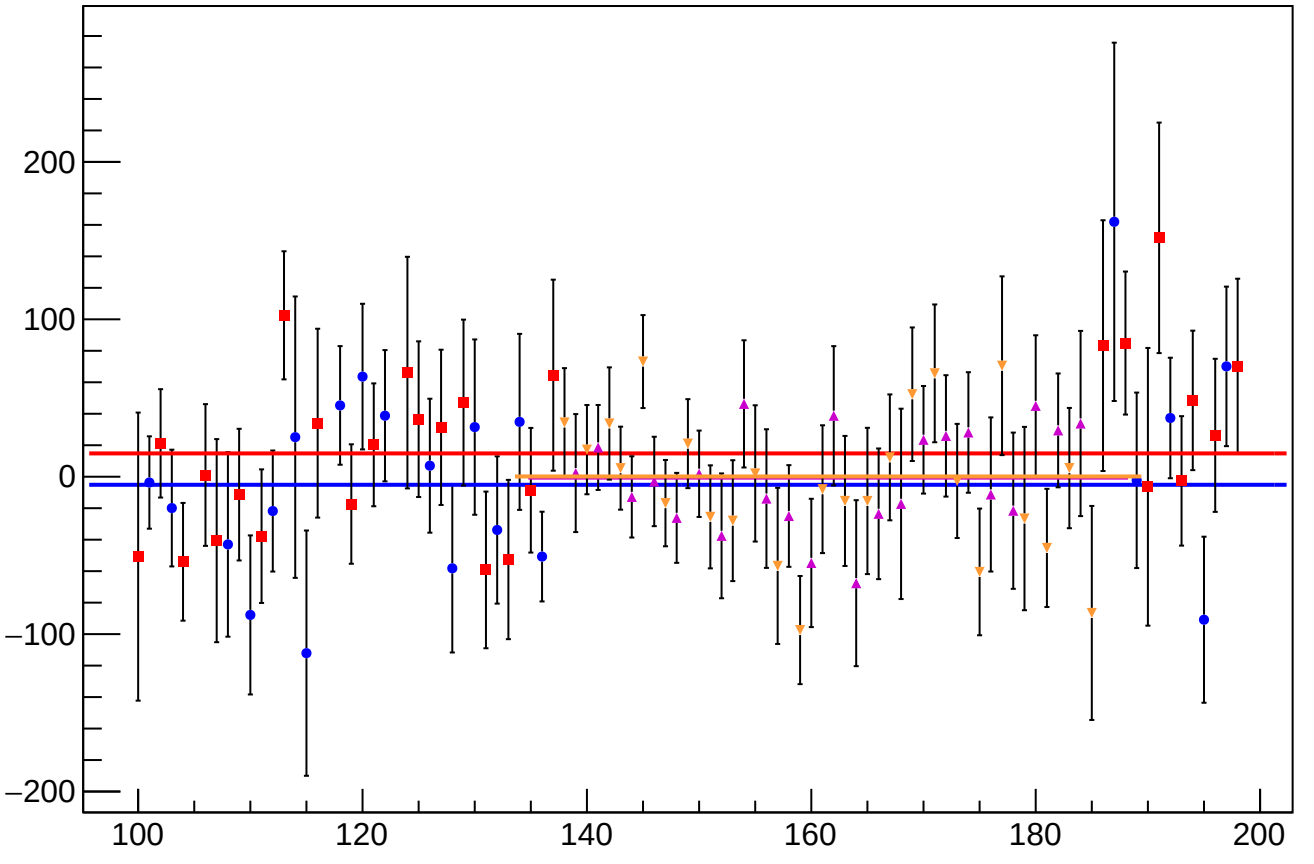
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.738+/-5.899 χ^2/NDF: 55.0/45

All: 1.961+/-4.174 χ^2/NDF: 97.1/95

- sign 5.670+/-5.907 χ^2/NDF: 41.3/49


diff_bpmE_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31220.136+/-6.952 χ²/NDF: 944676.9/20
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 32325.698+/-6.553 χ²/NDF: 1097003.6/26
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31456.717+/-4.172 χ²/NDF: 2537354.5/45
All: 31816.334+/-2.952 χ²/NDF: 5105824.4/9
- sign 32176.914+/-4.177 χ²/NDF: 2553586.6/49



Right In: -5.125+/-9.831 χ^2/NDF: 23.7/20

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

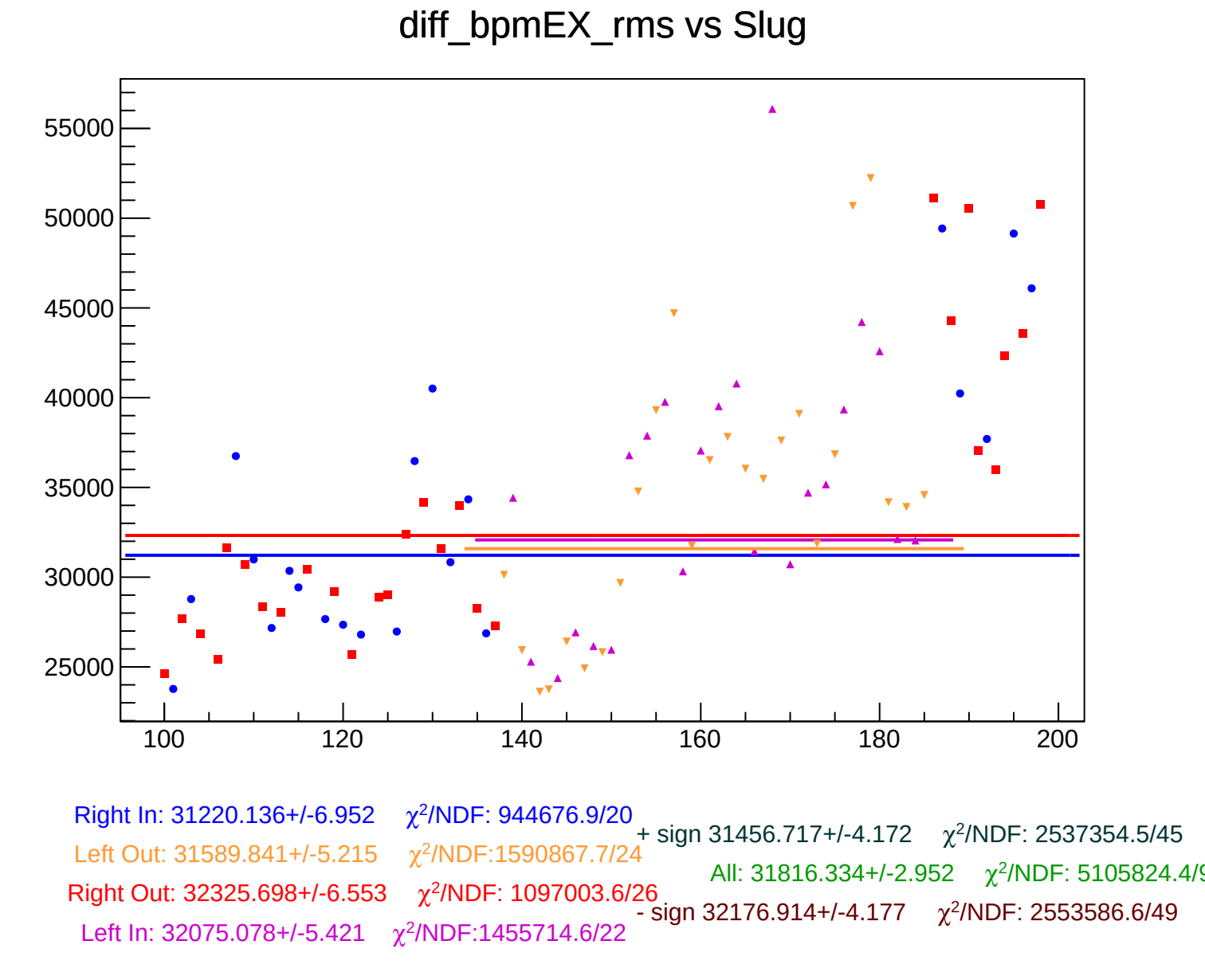
Right Out: 14.809+/-9.267 χ^2/NDF: 26.8/26

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

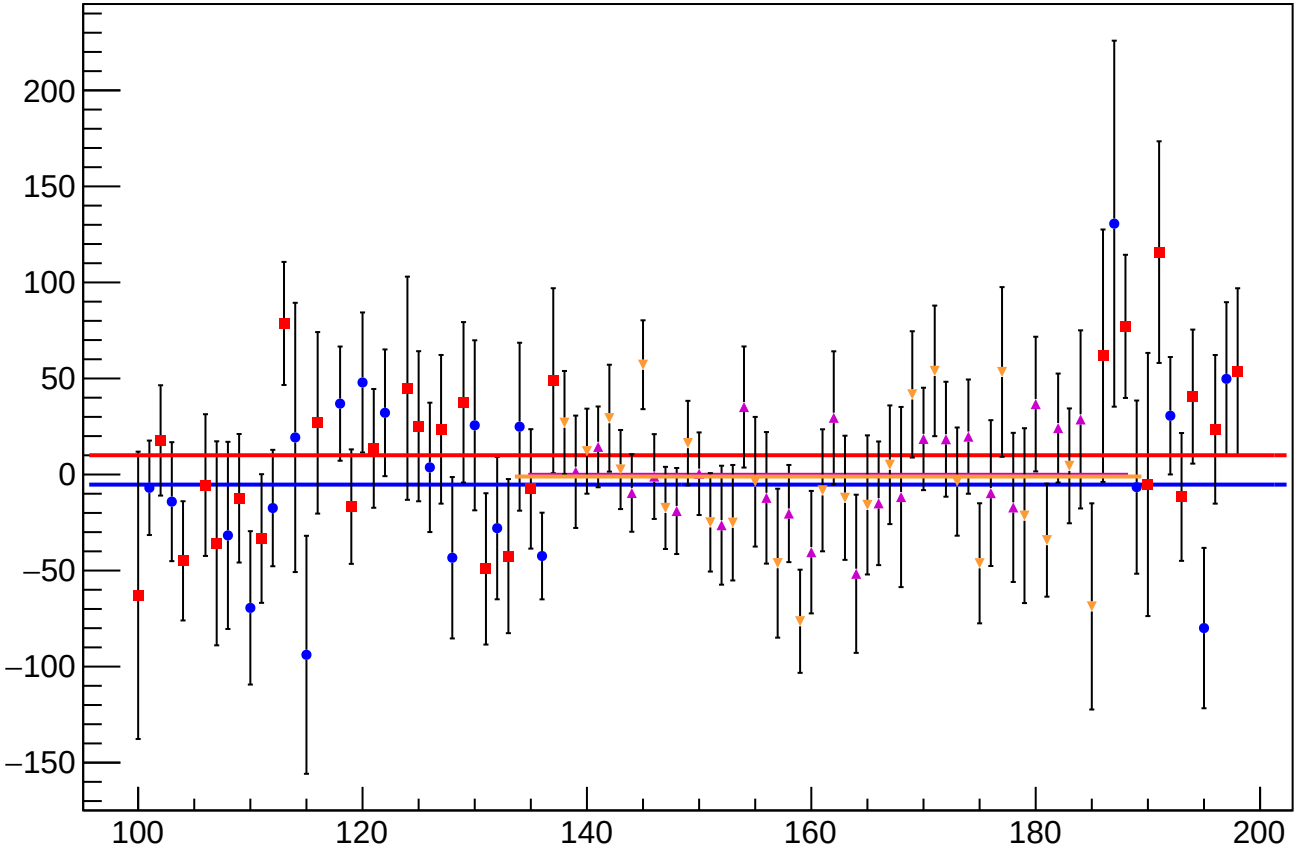
+ sign -1.738+/-5.899 χ^2/NDF: 55.0/45

All: 1.961+/-4.174 χ^2/NDF: 97.1/95

- sign 5.670+/-5.907 χ^2/NDF: 41.3/49


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31220.136+/-6.952 χ²/NDF: 944676.9/20
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 32325.698+/-6.553 χ²/NDF: 1097003.6/26
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31456.717+/-4.172 χ²/NDF: 2537354.5/45
All: 31816.334+/-2.952 χ²/NDF: 5105824.4/9
- sign 32176.914+/-4.177 χ²/NDF: 2553586.6/49

diff_bpmE_11X12X_mean vs Slug



Right In: -5.255+/-7.869 χ^2/NDF: 24.2/20

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

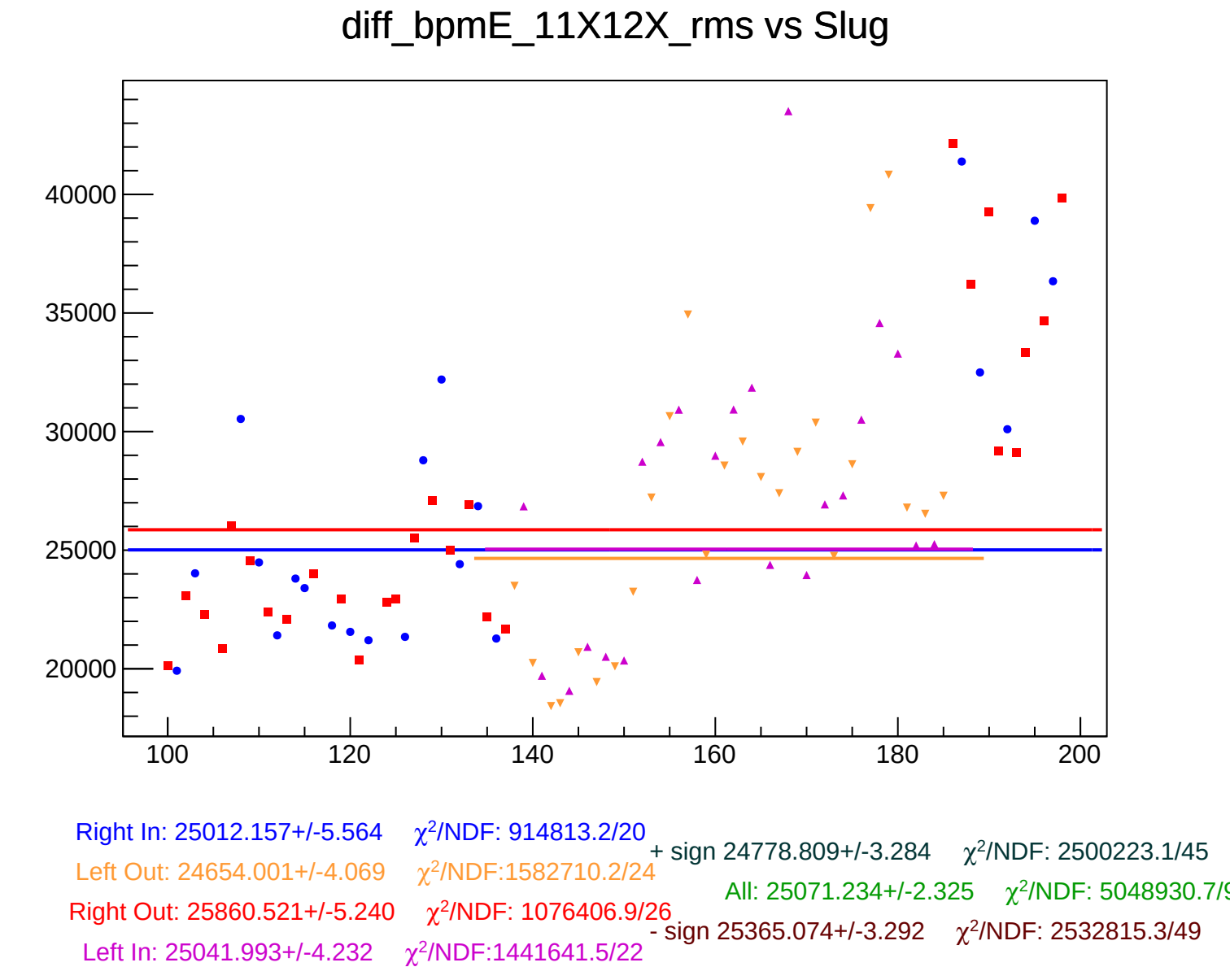
Right Out: 10.032+/-7.411 χ^2/NDF: 28.3/26

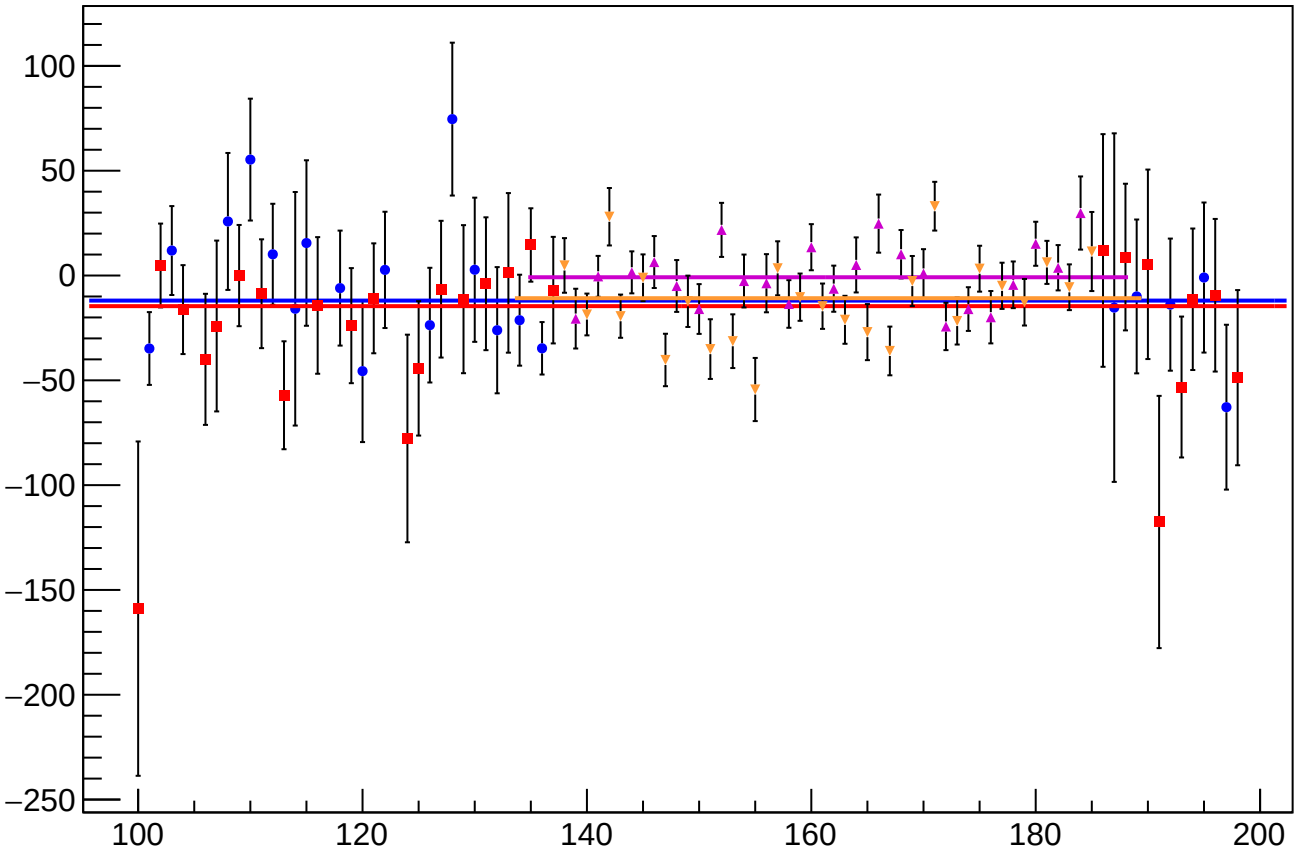
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -2.510+/-4.645 χ^2/NDF: 56.7/45

All: 0.673+/-3.288 χ^2/NDF: 99.2/95

- sign 3.871+/-4.656 χ^2/NDF: 41.6/49


diff_bpmE_11X12X_rms vs Slug
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 25012.157+/-5.564 χ²/NDF: 914813.2/20
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 25860.521+/-5.240 χ²/NDF: 1076406.9/26
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
+ sign 24778.809+/-3.284 χ²/NDF: 2500223.1/45
All: 25071.234+/-2.325 χ²/NDF: 5048930.7/9
- sign 25365.074+/-3.292 χ²/NDF: 2532815.3/49



Right In: -11.959+/-5.801 χ^2/NDF: 23.8/20

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -14.610+/-5.817 χ^2/NDF: 19.7/26

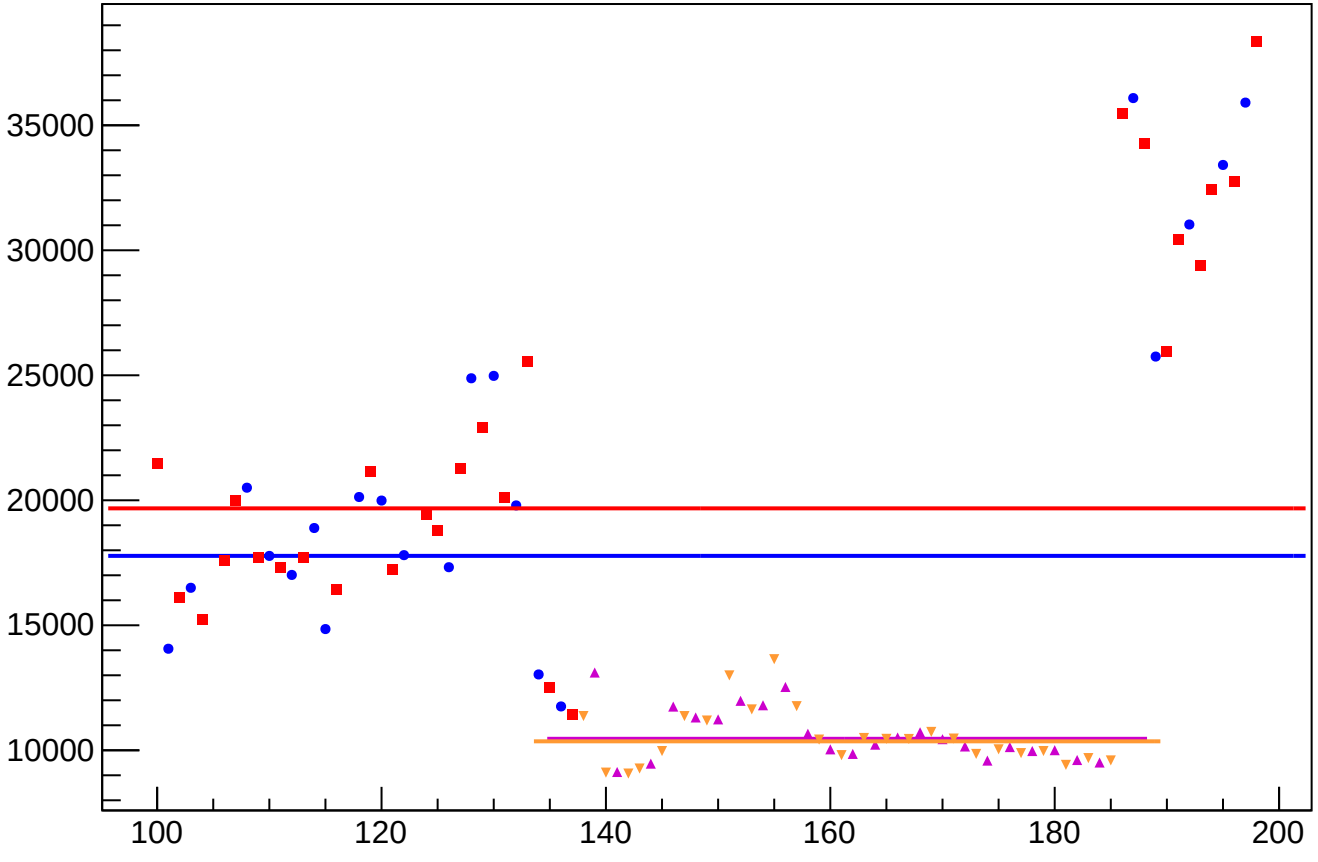
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.985+/-2.194 χ^2/NDF: 85.1/45

All: -7.074+/-1.575 χ^2/NDF: 145.6/95

- sign -2.913+/-2.263 χ^2/NDF: 53.9/49

diff_bpm4aesumX_rms vs Slug



Right In: 17776.673+/-4.102 χ^2/NDF: 2233849.5/20

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 19677.035+/-4.113 χ^2/NDF: 2585959.6/26

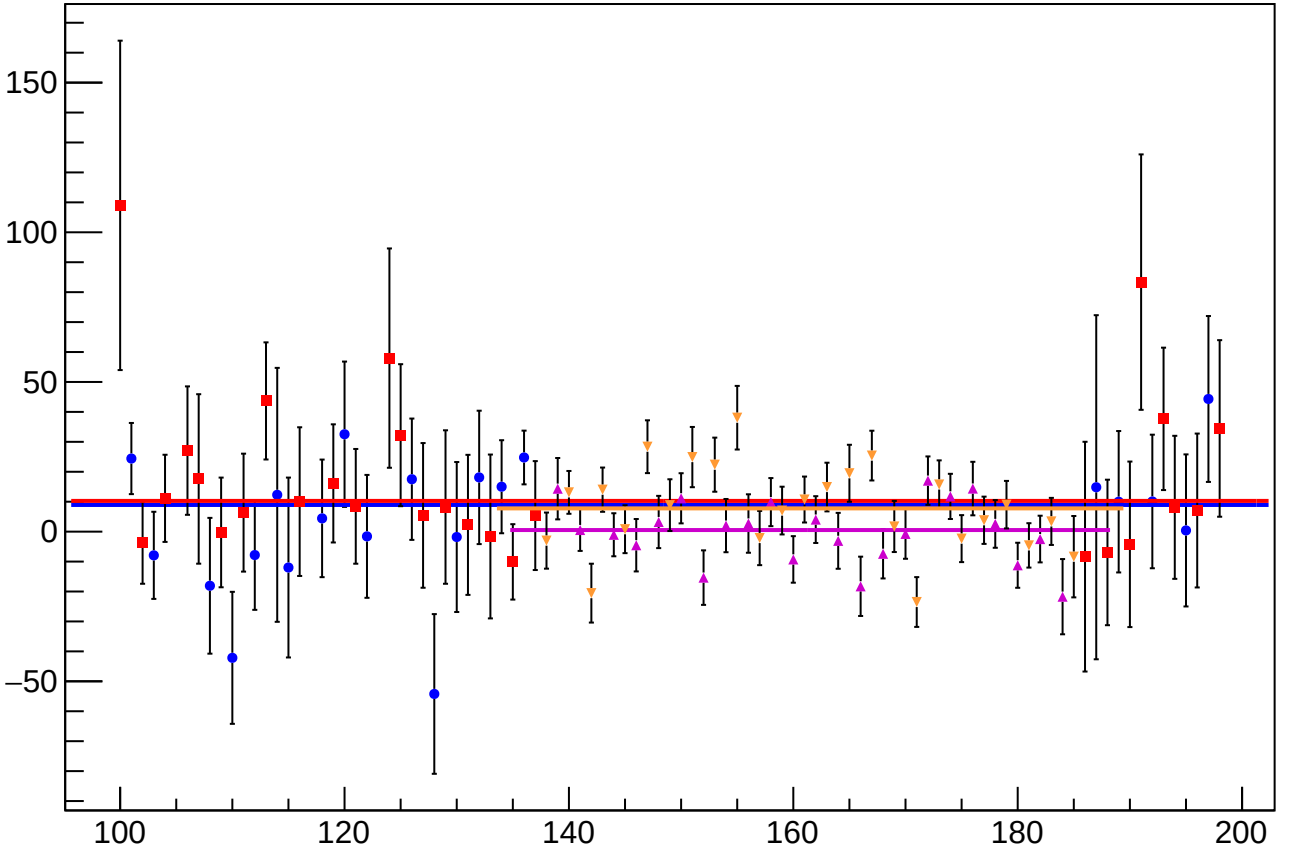
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11419.794+/-1.552 χ^2/NDF: 5399795.0/45

All: 11630.429+/-1.114 χ^2/NDF: 12600036.1

- sign 11854.557+/-1.600 χ^2/NDF: 7162200.4/49

diff_bpm4aediffX_mean vs Slug



Right In: 8.913+/-4.150 χ^2/NDF: 23.6/20

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 10.268+/-4.169 χ^2/NDF: 19.9/26

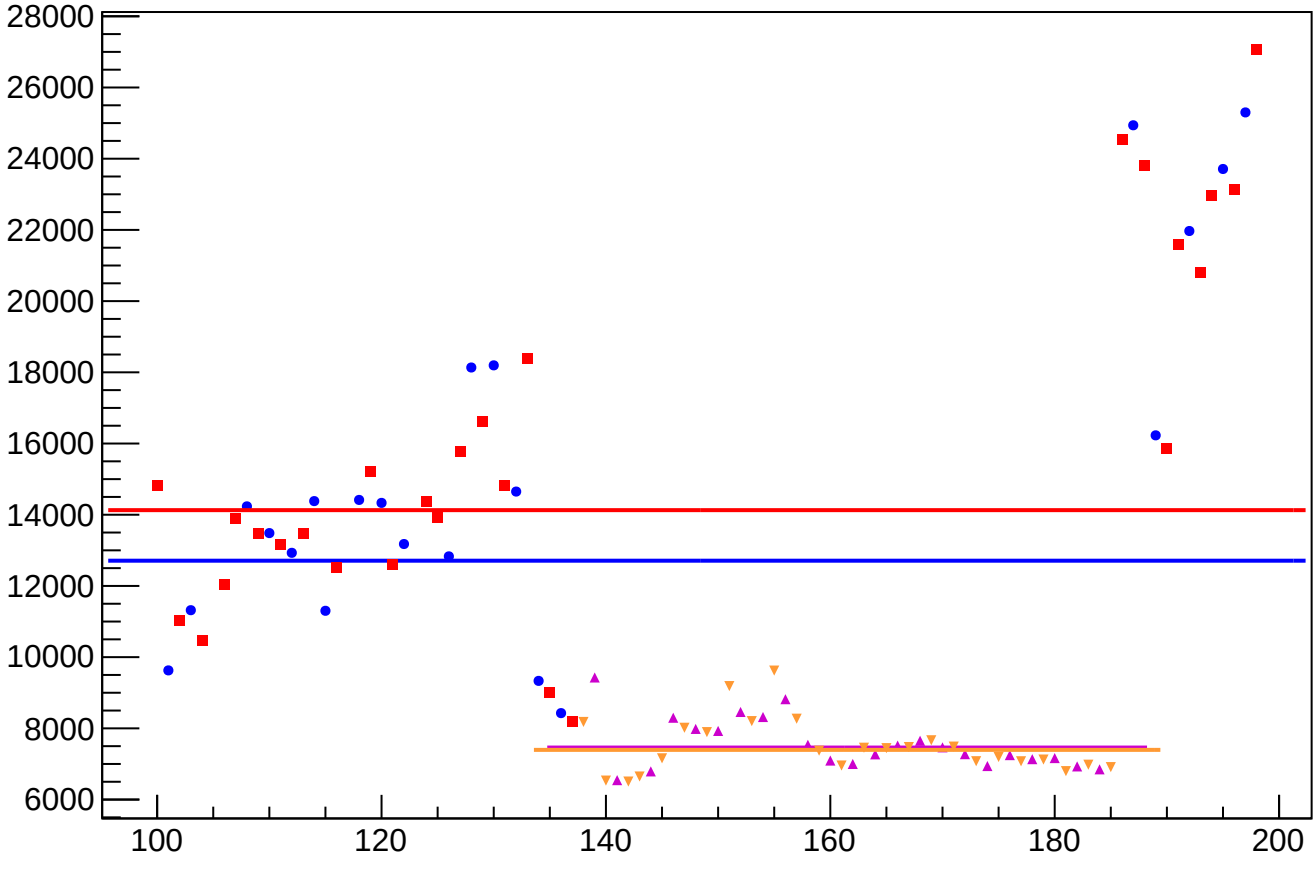
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.927+/-1.566 χ^2/NDF: 84.6/45

All: 5.051+/-1.124 χ^2/NDF: 145.5/95

- sign 1.993+/-1.615 χ^2/NDF: 54.0/49

diff_bpm4aediffX_rms vs Slug



Right In: 12709.084+/-2.934 χ^2/NDF: 2208405.5/20

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14128.913+/-2.948 χ^2/NDF: 2503713.4/26

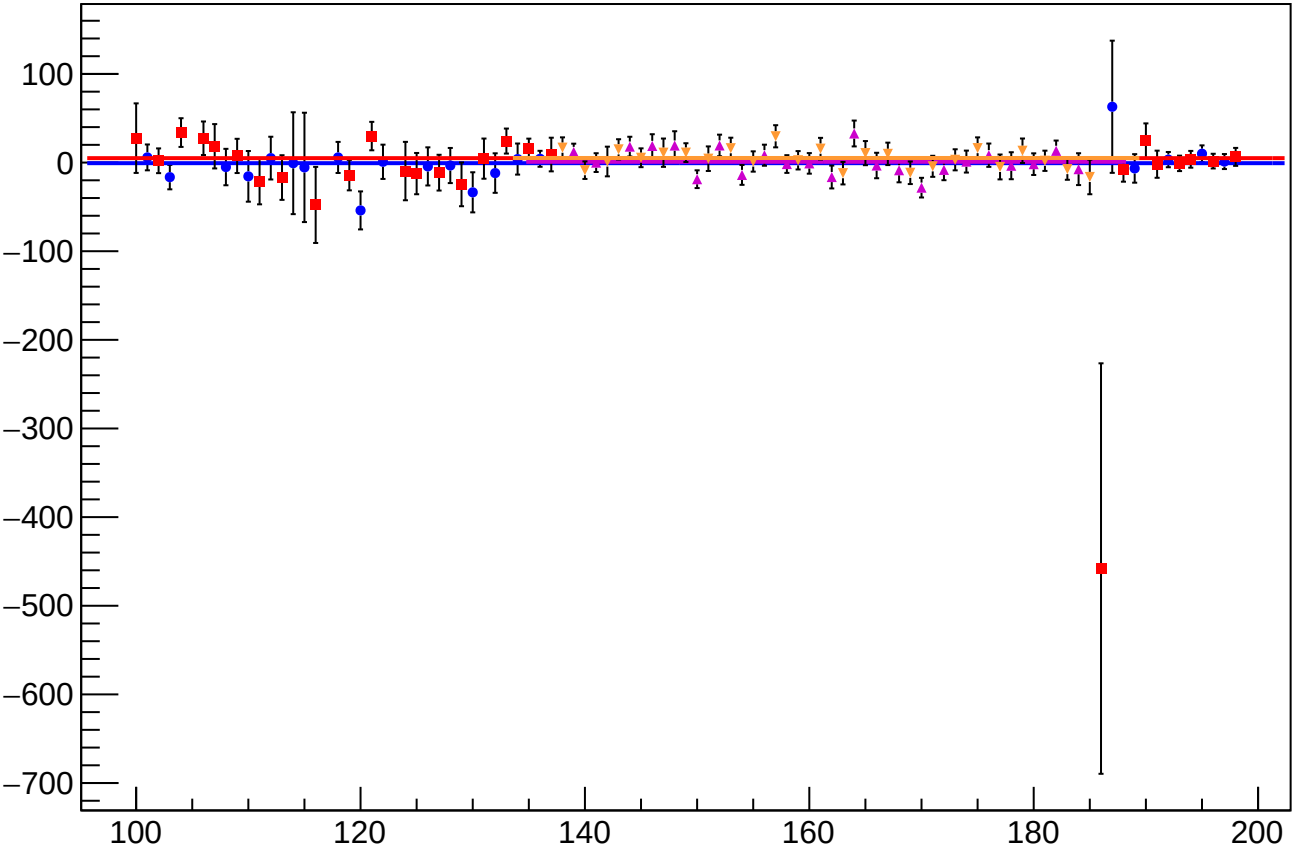
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8152.757+/-1.108 χ^2/NDF: 5344927.8/45

All: 8302.382+/-0.795 χ^2/NDF: 12518121.2/9

- sign 8461.481+/-1.142 χ^2/NDF: 7135537.4/49

diff_bpm4aesumY_mean vs Slug



Right In: -0.672+/-3.315 χ^2/NDF: 13.4/20

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 4.984+/-2.977 χ^2/NDF: 24.6/26

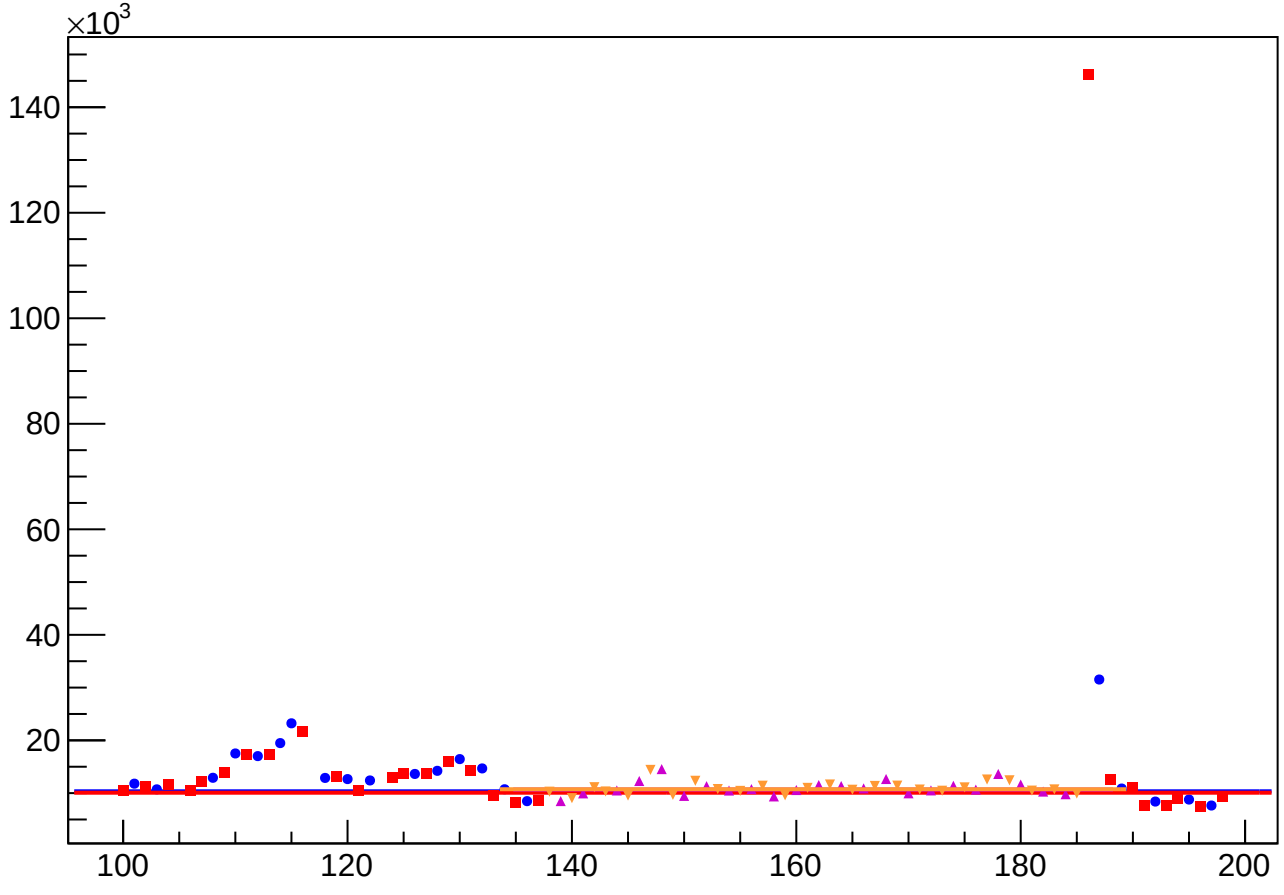
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.102+/-1.975 χ^2/NDF: 33.8/45

All: 2.844+/-1.378 χ^2/NDF: 91.3/95

- sign 2.599+/-1.923 χ^2/NDF: 57.5/49

diff_bpm4aesumY_rms vs Slug



Right In: 10345.461+/-2.344 χ^2/NDF: 1511969.1/20

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10076.040+/-2.105 χ^2/NDF: 2254096.8/26

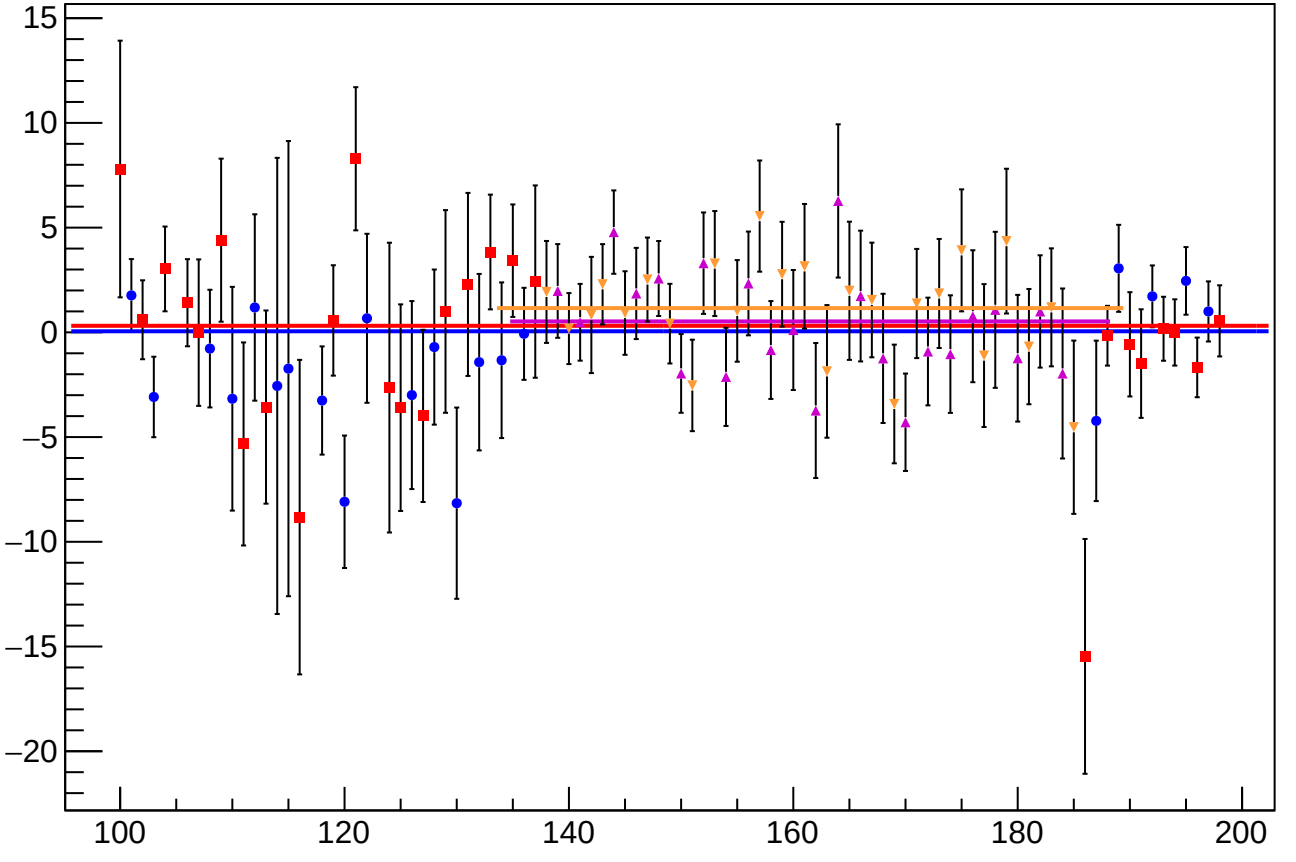
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10595.951+/-1.397 χ^2/NDF: 1897945.8/45

All: 10508.884+/-0.974 χ^2/NDF: 4707721.9/9

- sign 10426.367+/-1.360 χ^2/NDF: 2802205.1/49

diff_bpm4aediffY_mean vs Slug



Right In: 0.051+/-0.552 χ^2/NDF: 23.8/20

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.313+/-0.482 χ^2/NDF: 29.7/26

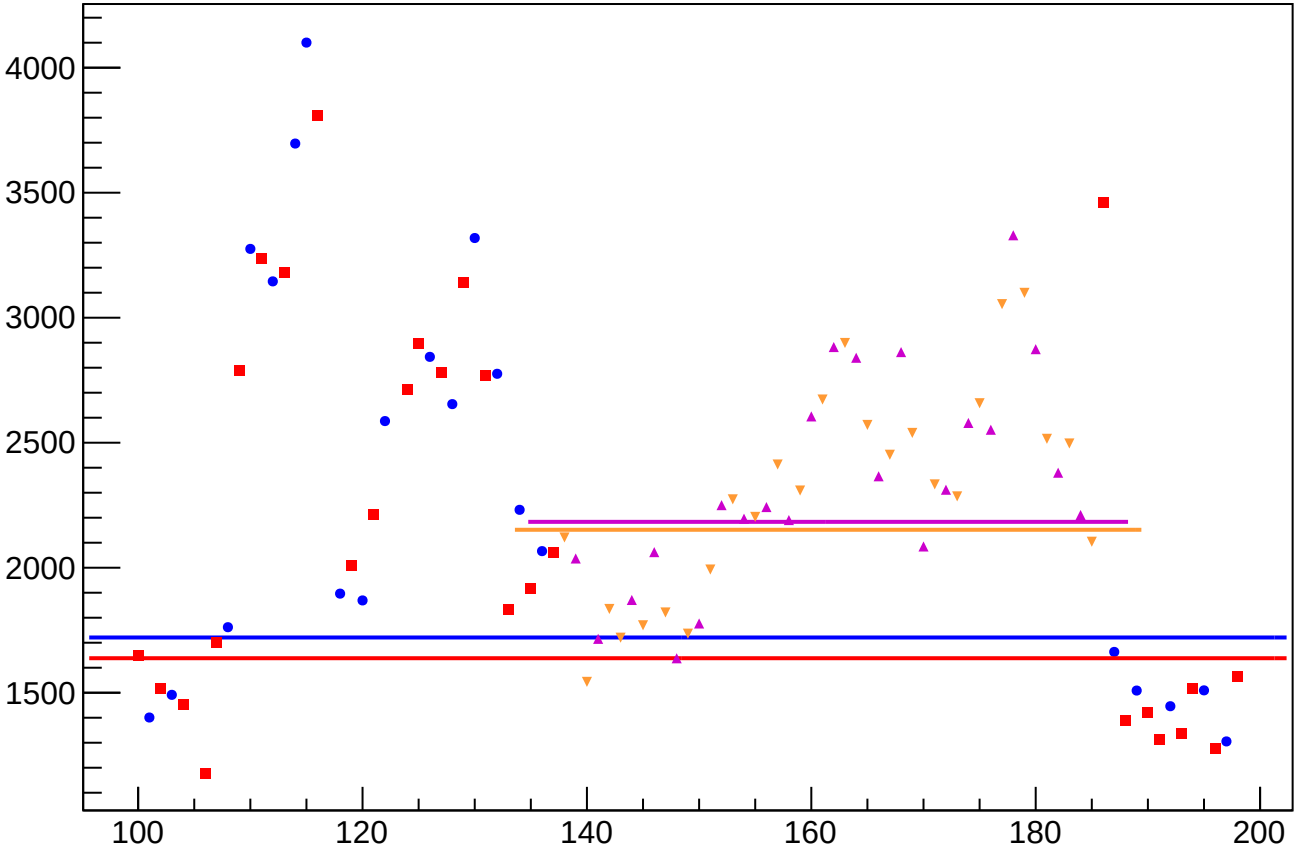
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.659+/-0.371 χ^2/NDF: 42.8/45

All: 0.528+/-0.256 χ^2/NDF: 95.2/95

- sign 0.410+/-0.353 χ^2/NDF: 52.1/49

diff_bpm4aediffY_rms vs Slug



Right In: 1720.960+/-0.390 χ^2/NDF: 1741642.6/20

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

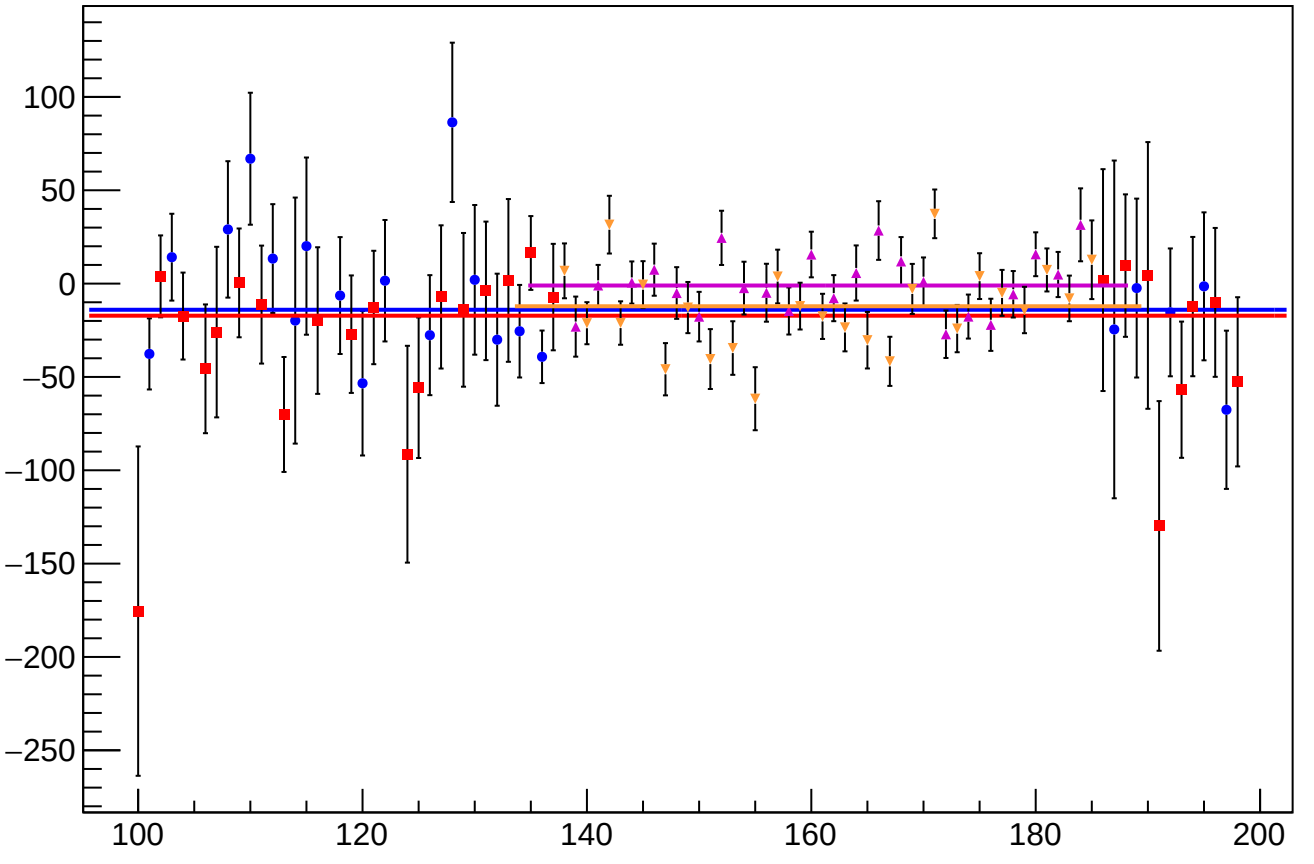
Right Out: 1638.035+/-0.341 χ^2/NDF: 2251772.5/26

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1957.620+/-0.262 χ^2/NDF: 3759886.8/45

All: 1922.270+/-0.181 χ^2/NDF: 8392729.4/95

- sign 1890.136+/-0.250 χ^2/NDF: 4598121.1/49



Right In: -14.016+/-6.614 χ^2/NDF: 23.6/20

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: -17.191+/-6.647 χ^2/NDF: 19.8/26

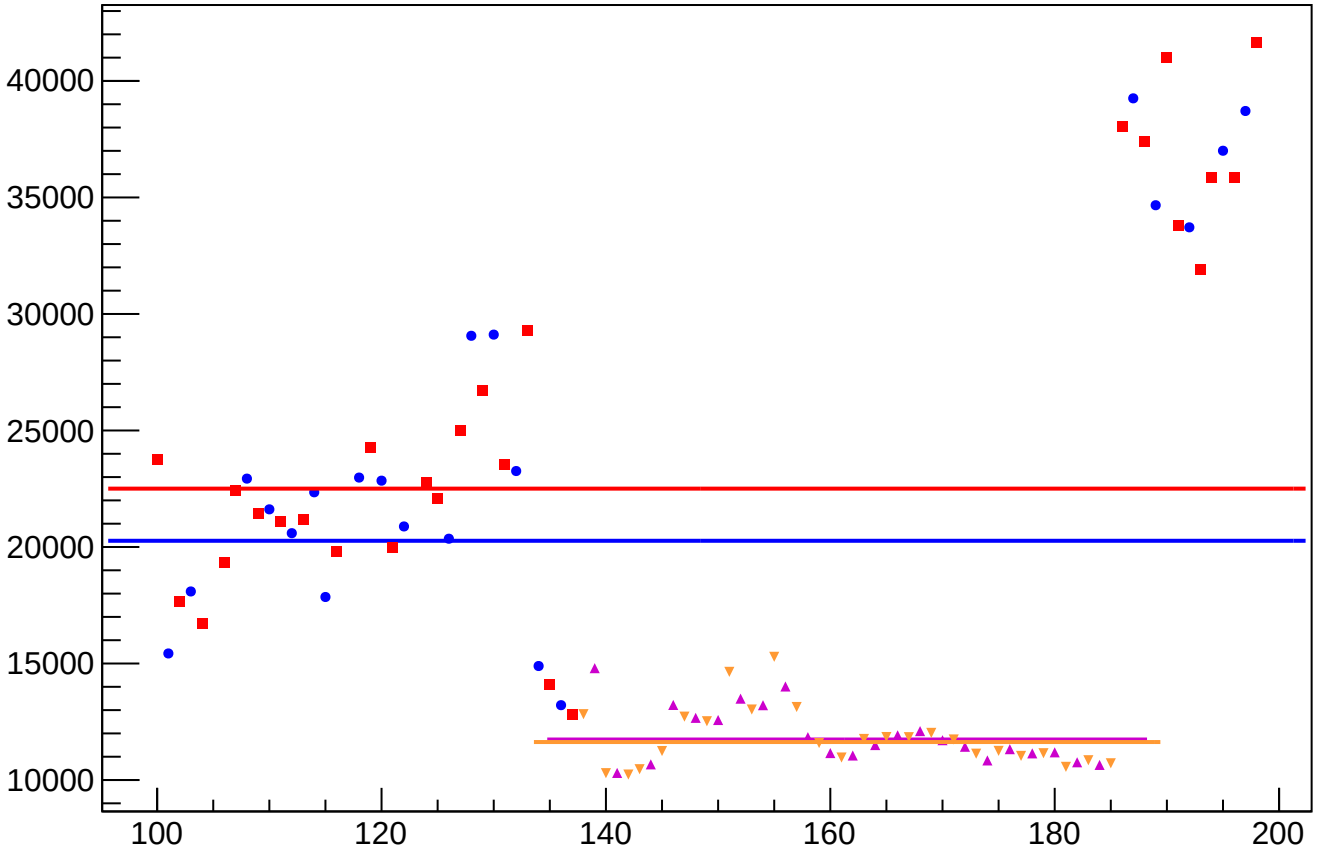
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.397+/-2.469 χ^2/NDF: 86.3/45

All: -8.038+/-1.773 χ^2/NDF: 146.4/95

- sign -3.398+/-2.547 χ^2/NDF: 53.6/49

diff_bpmtargetsumX_rms vs Slug



Right In: 20266.766+/-4.677 χ^2/NDF: 2298431.9/20

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 22504.672+/-4.700 χ^2/NDF: 2550977.0/26

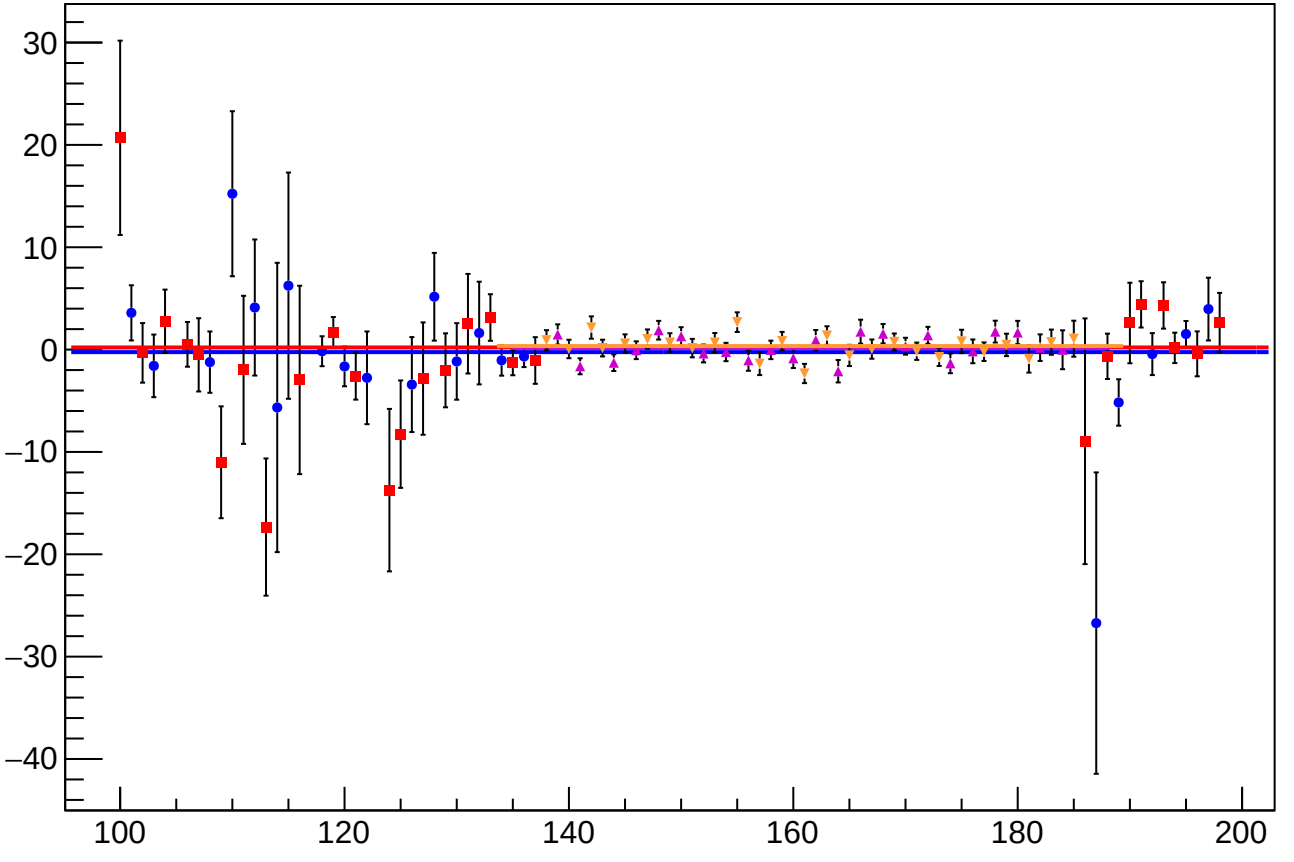
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 12833.454+/-1.746 χ^2/NDF: 5589462.5/45

All: 13068.777+/-1.254 χ^2/NDF: 12968108.1

- sign 13319.265+/-1.801 χ^2/NDF: 7341130.9/49

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.247+/-0.504 χ^2/NDF: 22.2/20

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.210+/-0.504 χ^2/NDF: 37.8/26

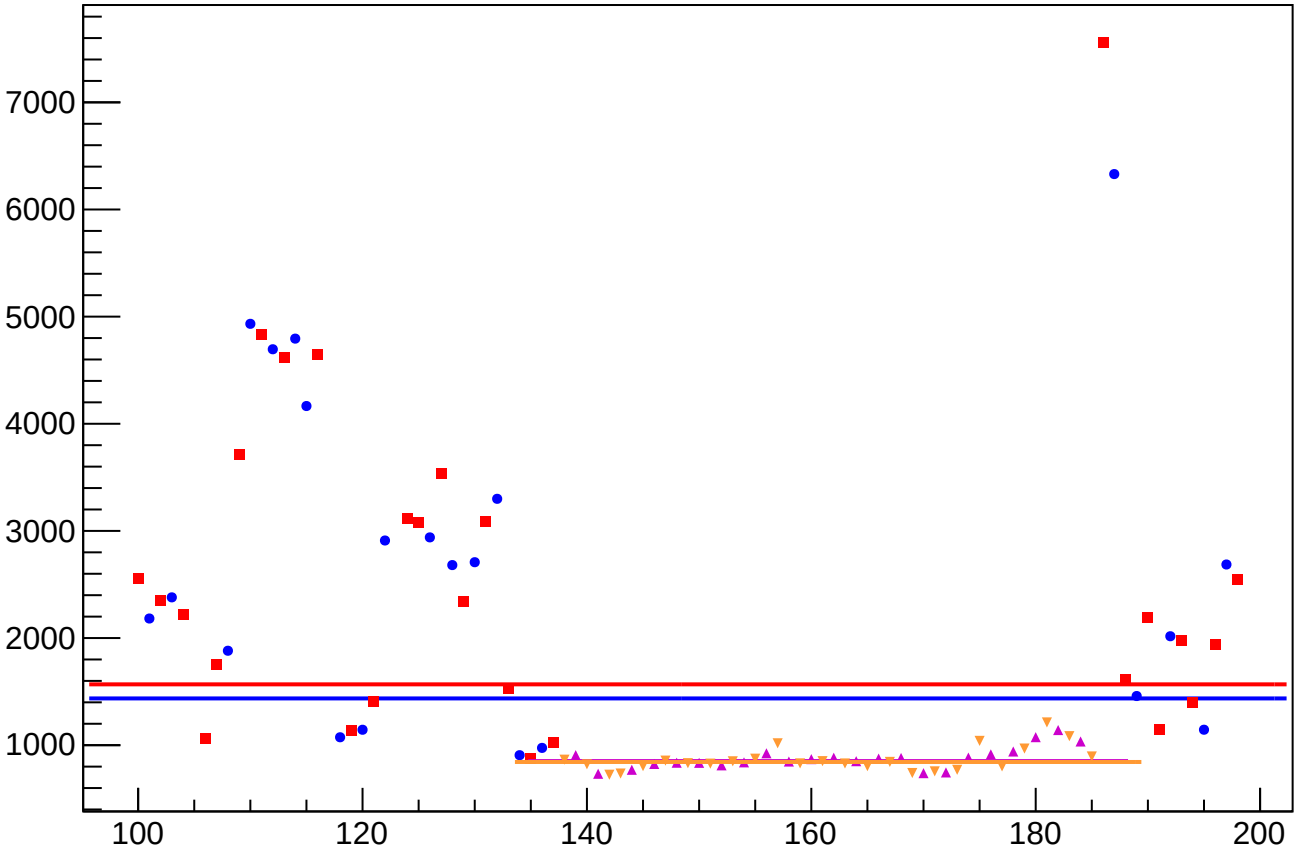
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.267+/-0.181 χ^2/NDF: 50.2/45

All: 0.221+/-0.130 χ^2/NDF: 124.5/95

- sign 0.171+/-0.187 χ^2/NDF: 74.2/49

diff_bpmtargetdiffX_rms vs Slug



Right In: 1436.426+/-0.356 χ^2/NDF: 4209805.8/20

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1567.840+/-0.356 χ^2/NDF: 4430763.1/26

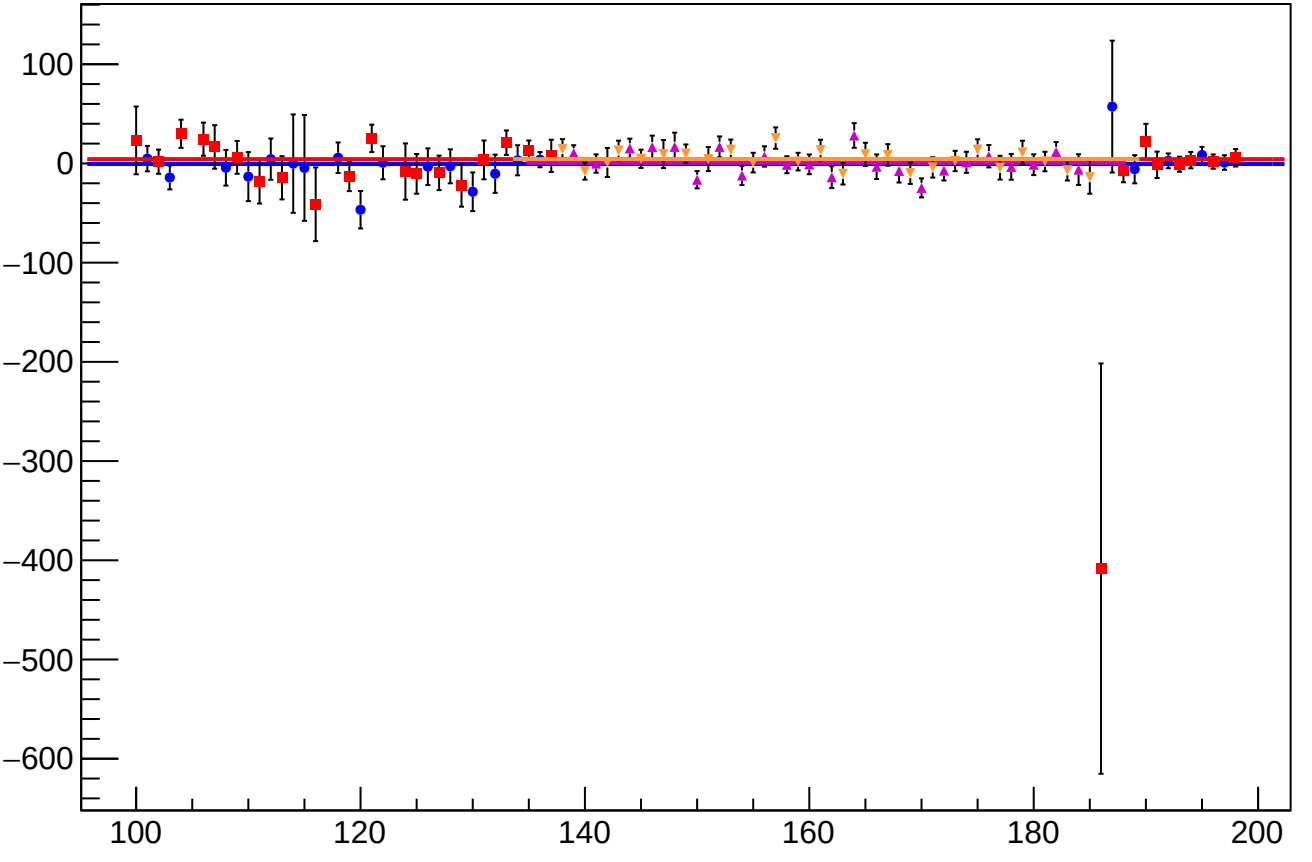
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 919.629+/-0.128 χ^2/NDF: 7127965.0/45

All: 934.223+/-0.092 χ^2/NDF: 15452345.8/95

- sign 949.758+/-0.132 χ^2/NDF: 8297496.4/49

diff_bpmtargetsumY_mean vs Slug



Right In: -0.573+/-2.877 χ^2/NDF: 13.1/20

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 4.337+/-2.587 χ^2/NDF: 24.5/26

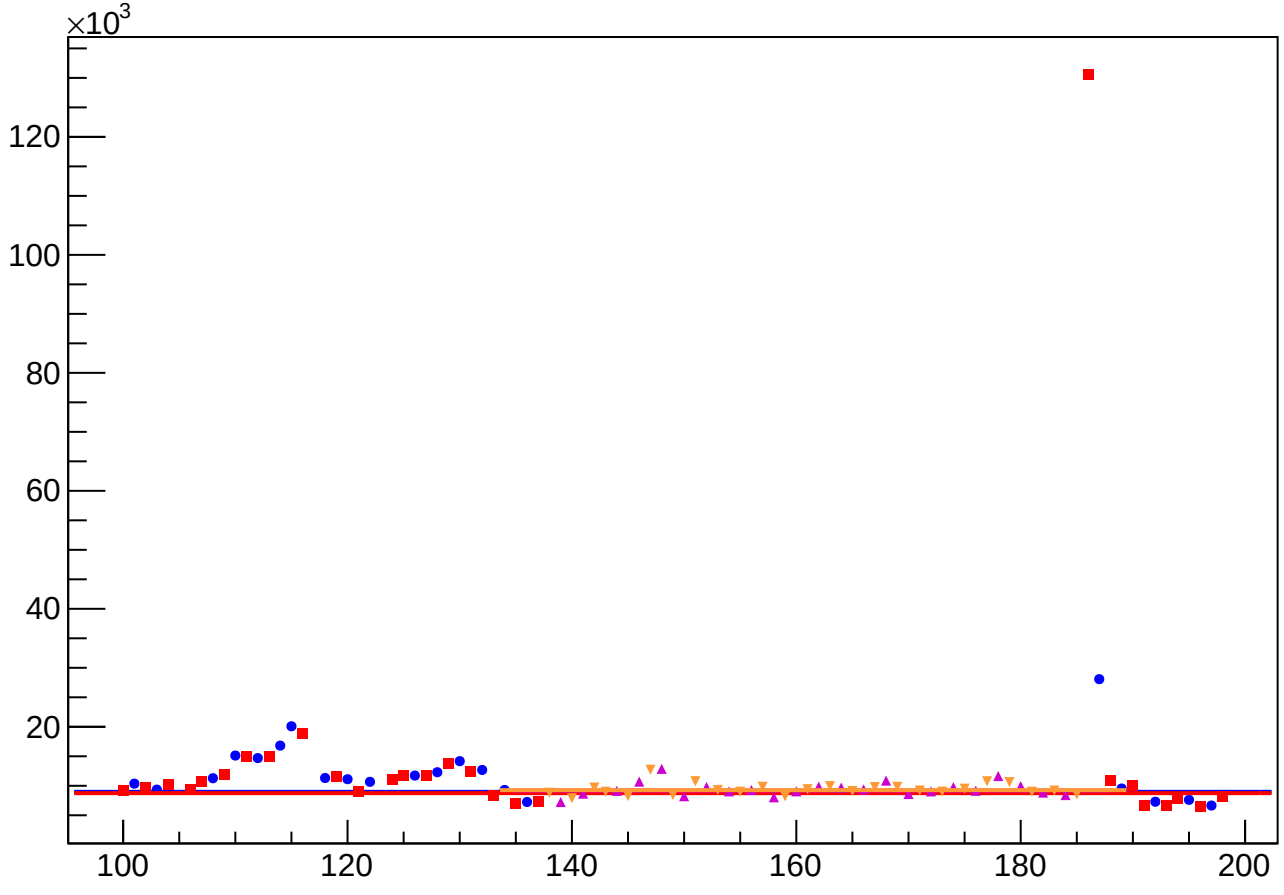
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.637+/-1.708 χ^2/NDF: 33.6/45

All: 2.424+/-1.191 χ^2/NDF: 91.3/95

- sign 2.222+/-1.663 χ^2/NDF: 57.7/49

diff_bpmtargetsumY_rms vs Slug



Right In: 8972.314+/-2.034 χ^2/NDF: 1524098.2/20

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8753.061+/-1.830 χ^2/NDF: 2259758.8/26

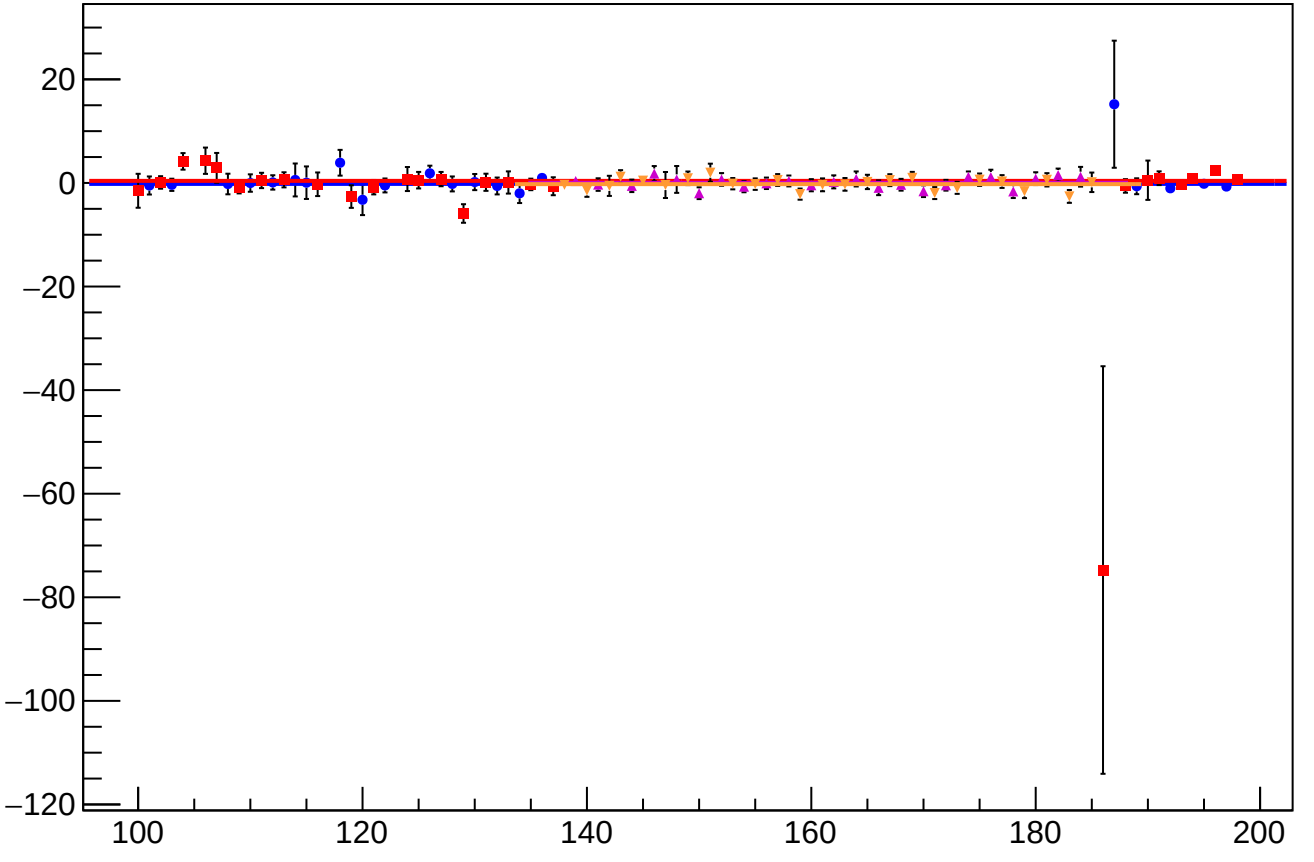
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9159.657+/-1.207 χ^2/NDF: 1903263.5/45

All: 9085.474+/-0.842 χ^2/NDF: 4720828.1/95

- sign 9015.116+/-1.176 χ^2/NDF: 2810209.5/49

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.185+/-0.286 χ^2/NDF: 12.3/20

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.401+/-0.261 χ^2/NDF: 37.7/26

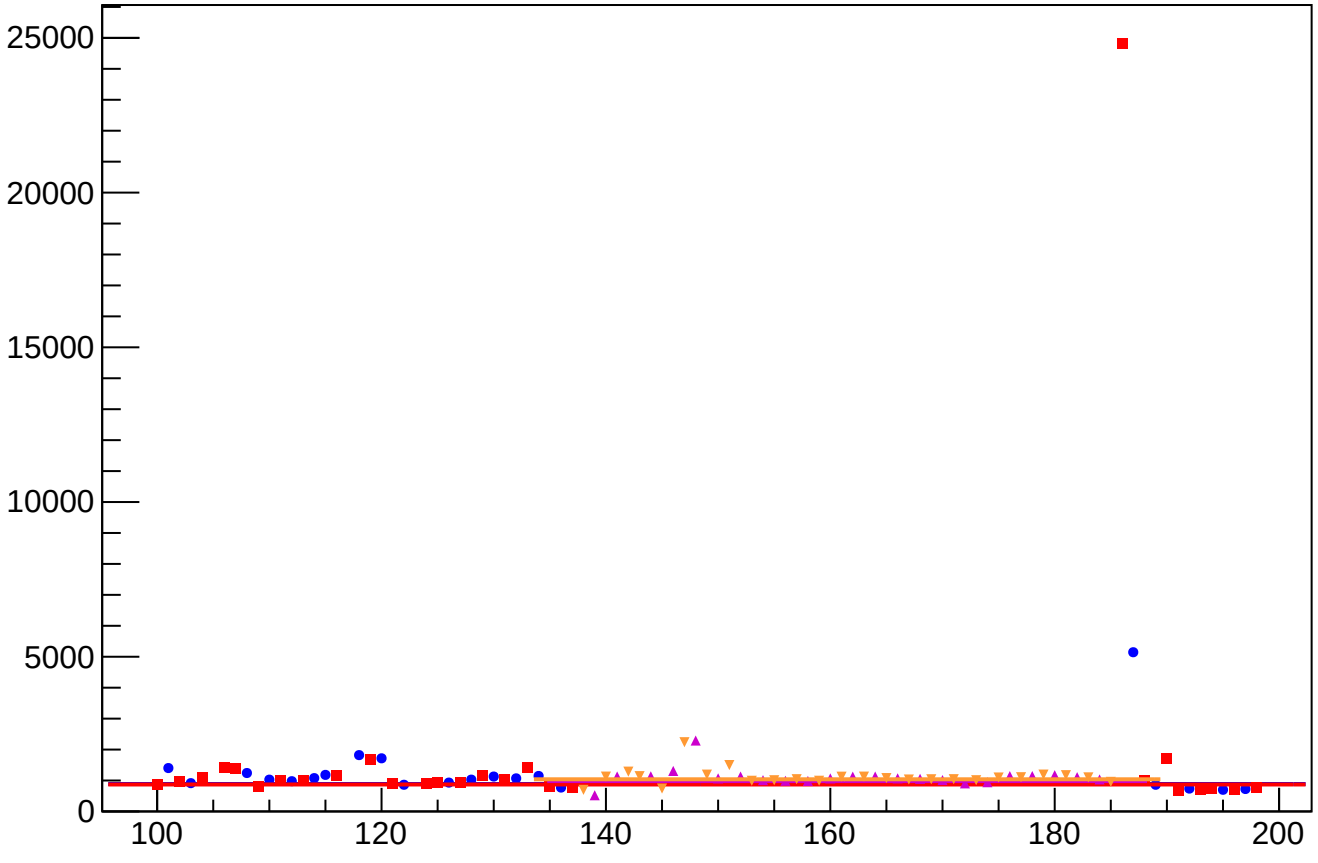
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.211+/-0.185 χ^2/NDF: 31.3/45

All: 0.003+/-0.128 χ^2/NDF: 87.9/95

- sign 0.196+/-0.176 χ^2/NDF: 54.1/49

diff_bpmtargetdiffY_rms vs Slug



Right In: 886.743+/-0.202 χ^2/NDF: 1421632.3/20

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 872.066+/-0.184 χ^2/NDF: 1935812.1/26

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 975.335+/-0.131 χ^2/NDF: 3091687.6/45

All: 952.371+/-0.090 χ^2/NDF: 7502935.5/95

- sign 931.622+/-0.125 χ^2/NDF: 4352848.5/49

yield_cav4bX_mean vs Slug

Right In: 139.337+/-0.000 χ^2/NDF: 51673342225.0/20

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774179889565867.4/26

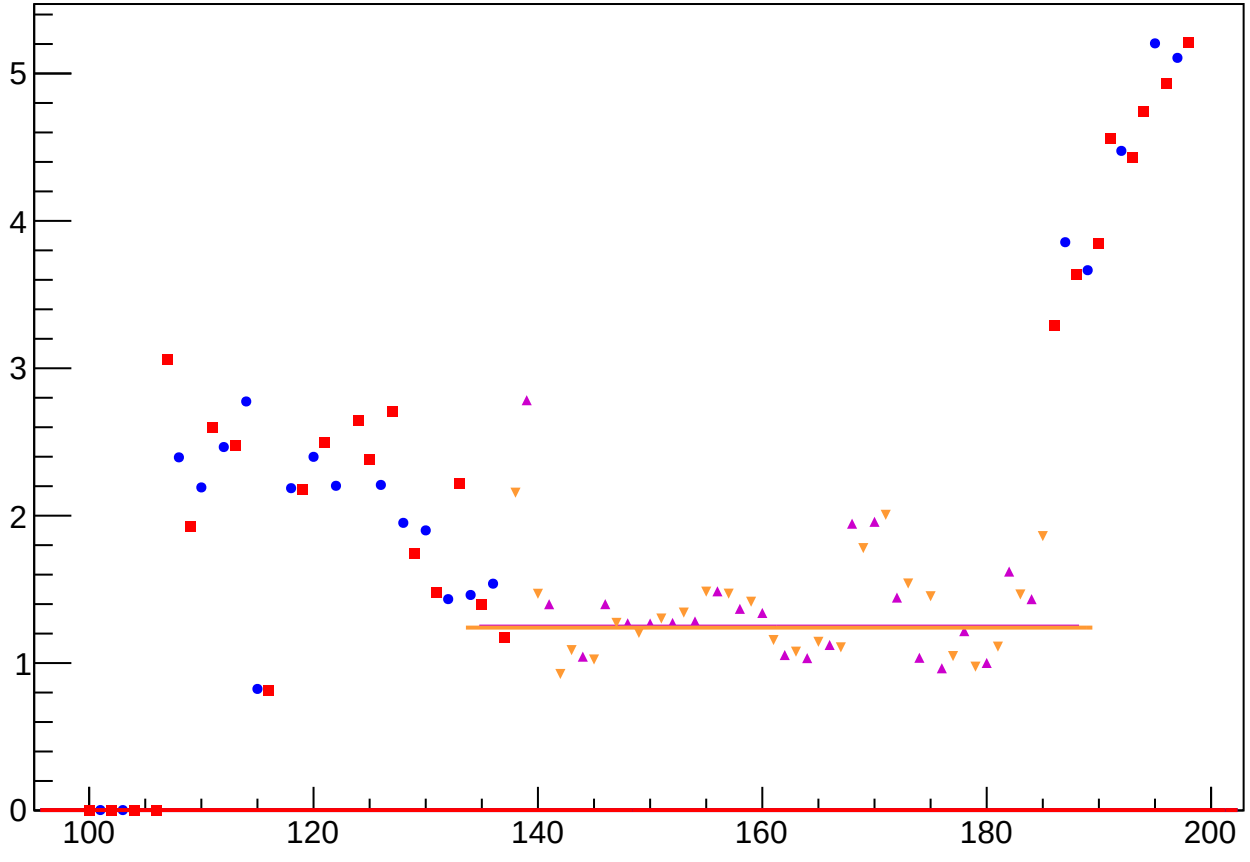
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 326216686503.3/4

All: 131.810+/-0.000 χ^2/NDF: 79349894168

- sign 125.385+/-0.000 χ^2/NDF: 774393542646054

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 16184115.8/20

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

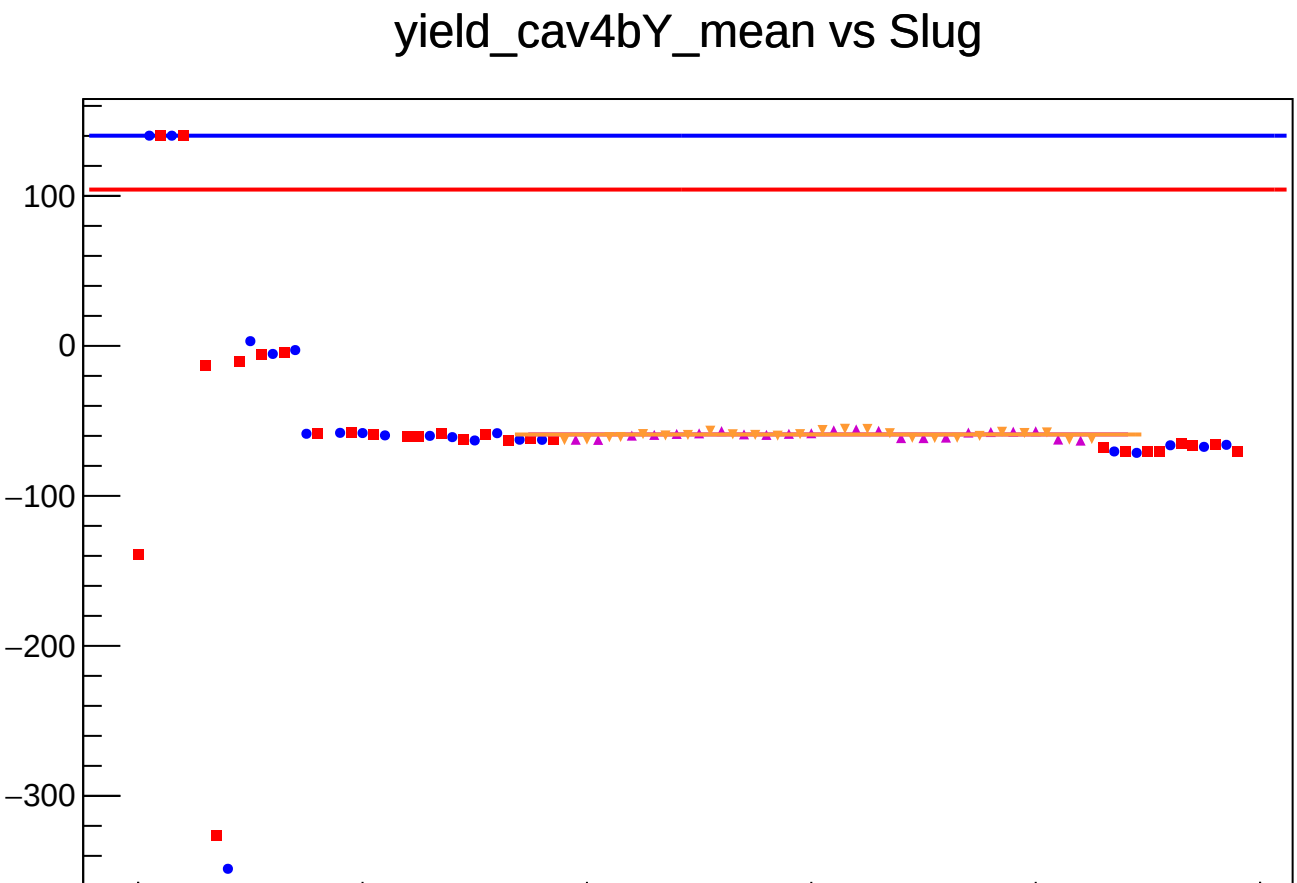
Right Out: 0.003+/-0.000 χ^2/NDF: 20056293.5/26

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 47482575.6/45

All: 0.003+/-0.000 χ^2/NDF: 97306340.2/95

- sign 0.003+/-0.000 χ^2/NDF: 49823412.6/49



Right In: 140.141+/-0.000 χ^2/NDF: 296128221938.3/20

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.221+/-0.000 χ^2/NDF: 1257514980315669.8/26

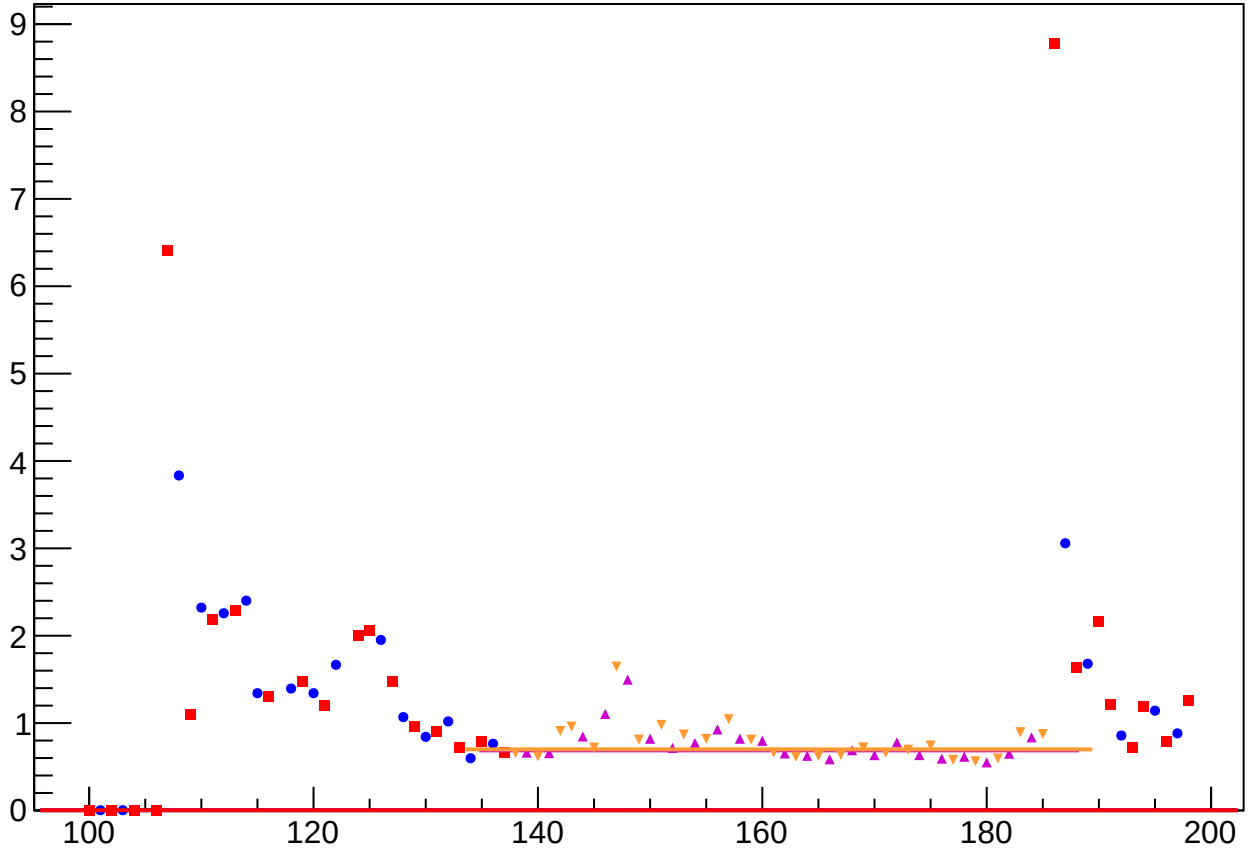
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.104+/-0.000 χ^2/NDF: 1593281012900.0

All: 120.798+/-0.000 χ^2/NDF: 13832192840

- sign 104.196+/-0.000 χ^2/NDF: 125837201171724

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 15978097.0/20

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

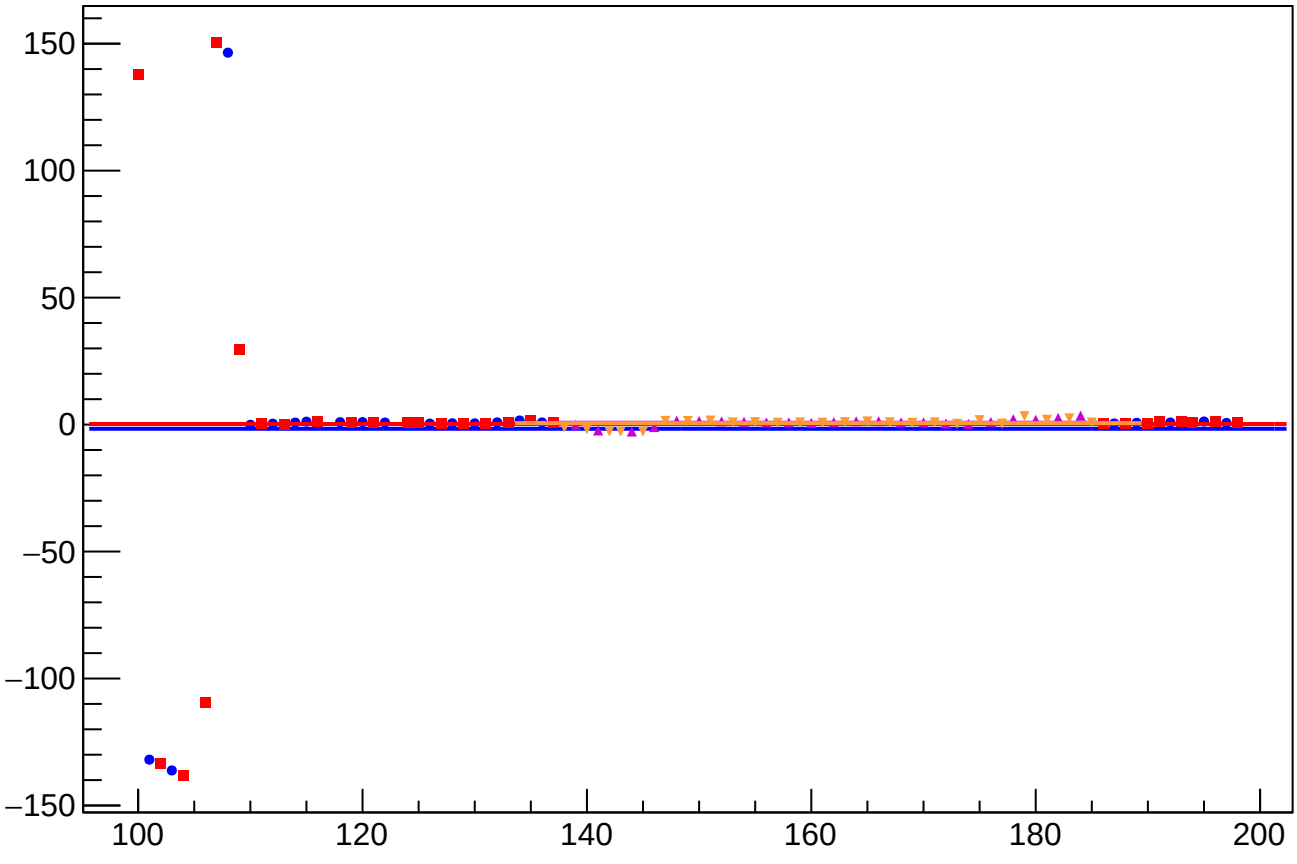
Right Out: 0.003+/-0.000 χ^2/NDF: 19340199.9/26

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 49031180.8/45

All: 0.003+/-0.000 χ^2/NDF: 99680784.8/95

- sign 0.003+/-0.000 χ^2/NDF: 50649127.6/49



Right In: -1.648+/-0.000 χ^2/NDF: 9894393324.4/20

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.237+/-0.000 χ^2/NDF: 3612072010.0/26

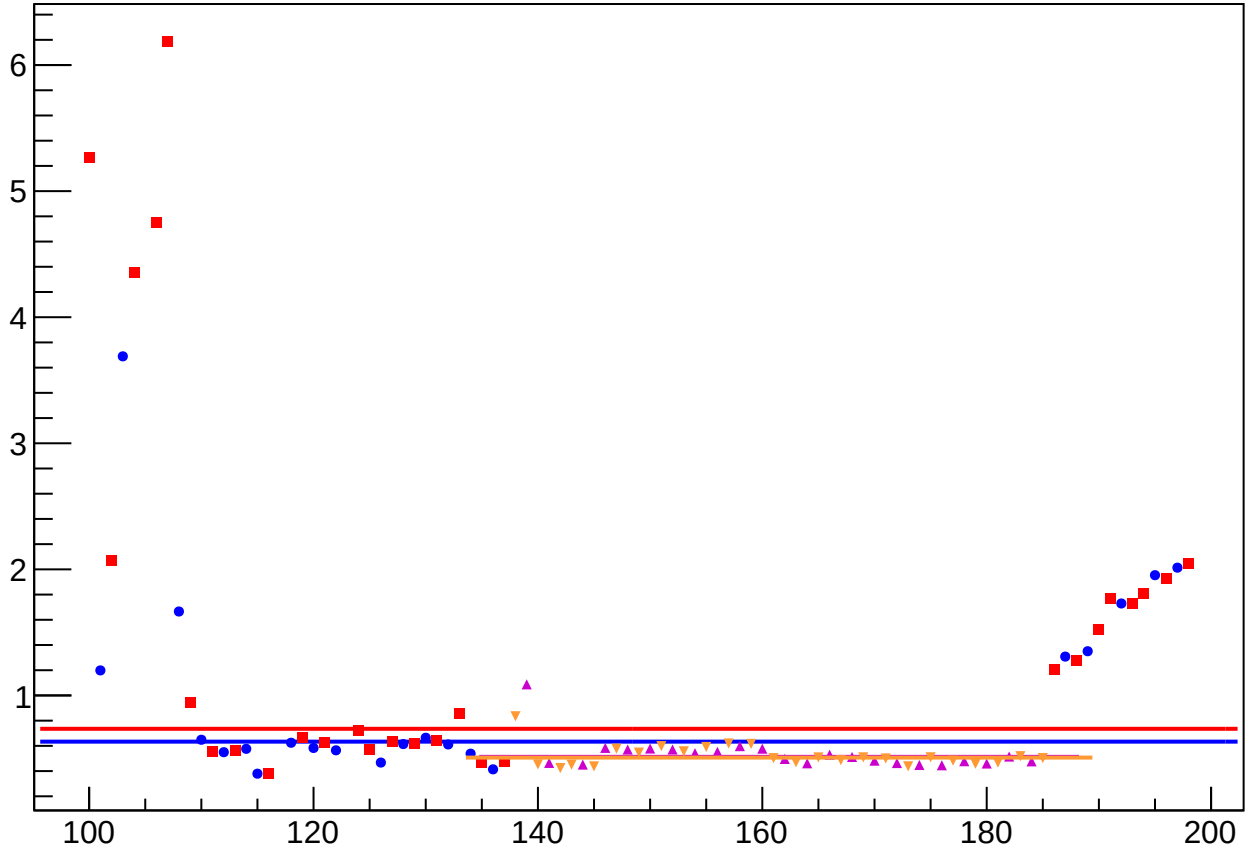
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.084+/-0.000 χ^2/NDF: 10115177085.2/45

All: 0.343+/-0.000 χ^2/NDF: 13846290086.4/9

- sign 0.626+/-0.000 χ^2/NDF: 3720163081.1/49

yield_cav4cX_rms vs Slug



Right In: 0.633+/-0.000 χ^2/NDF: 4462509.2/20

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.735+/-0.000 χ^2/NDF: 6124793.3/26

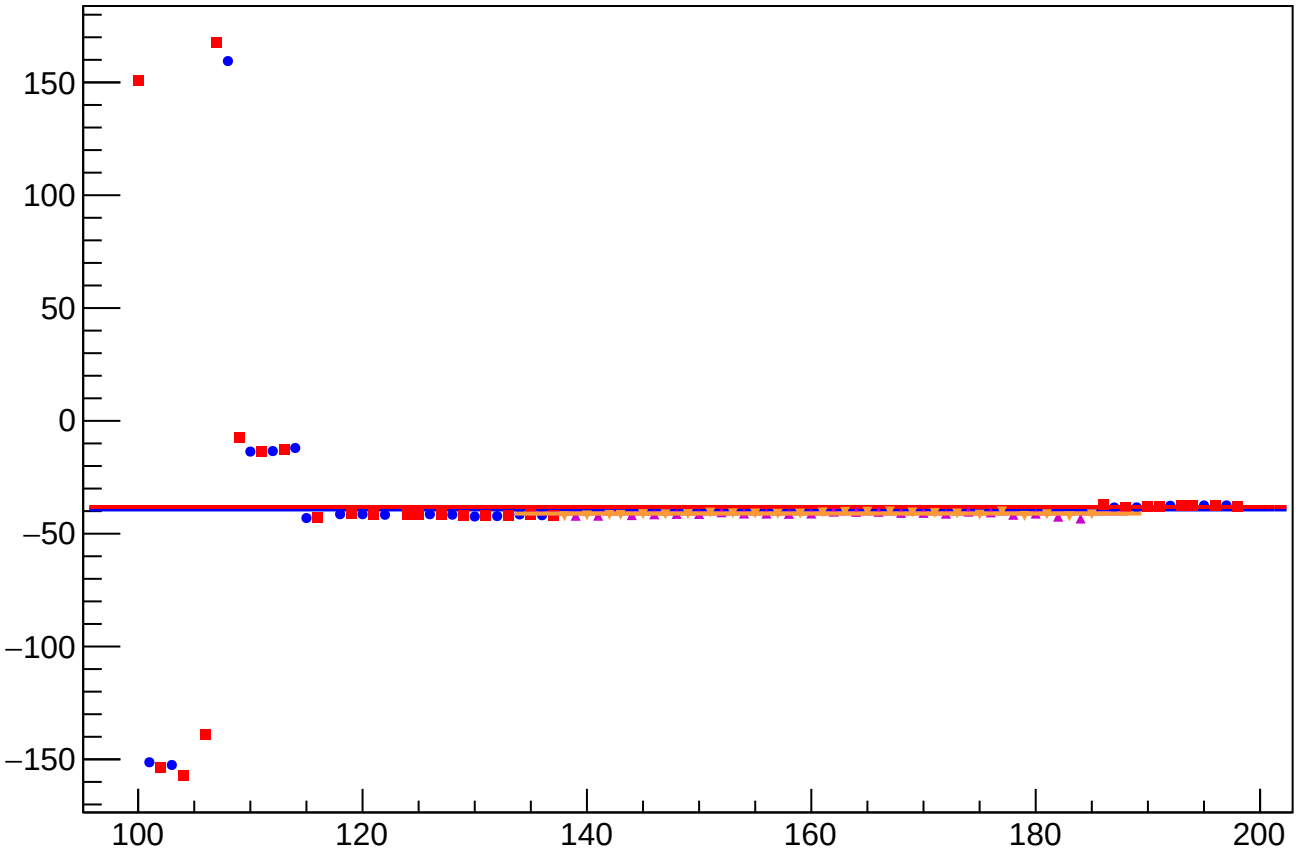
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.535+/-0.000 χ^2/NDF: 5446986.0/45

All: 0.547+/-0.000 χ^2/NDF: 13569060.0/95

- sign 0.561+/-0.000 χ^2/NDF: 8072598.1/49

yield_cav4cY_mean vs Slug



Right In: -39.257+/-0.000 χ^2/NDF: 3558612002.3/20

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.157+/-0.000 χ^2/NDF: 2507677066.5/26

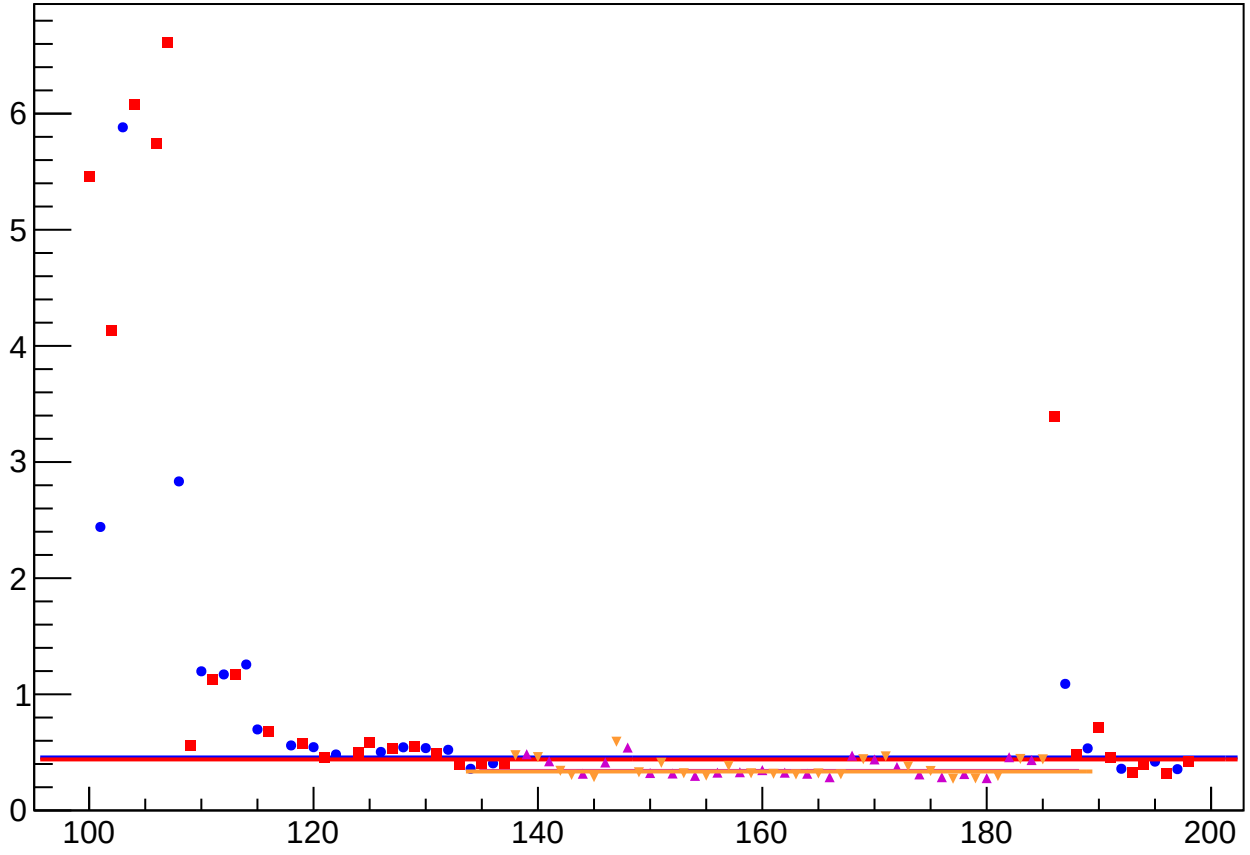
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.737+/-0.000 χ^2/NDF: 3721425962.8/45

All: -40.528+/-0.000 χ^2/NDF: 6594548514.9/

- sign -40.317+/-0.000 χ^2/NDF: 2855972588.7/49

yield_cav4cY_rms vs Slug



Right In: 0.456+/-0.000 χ^2/NDF: 3514640.4/20

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.439+/-0.000 χ^2/NDF: 4606623.5/26

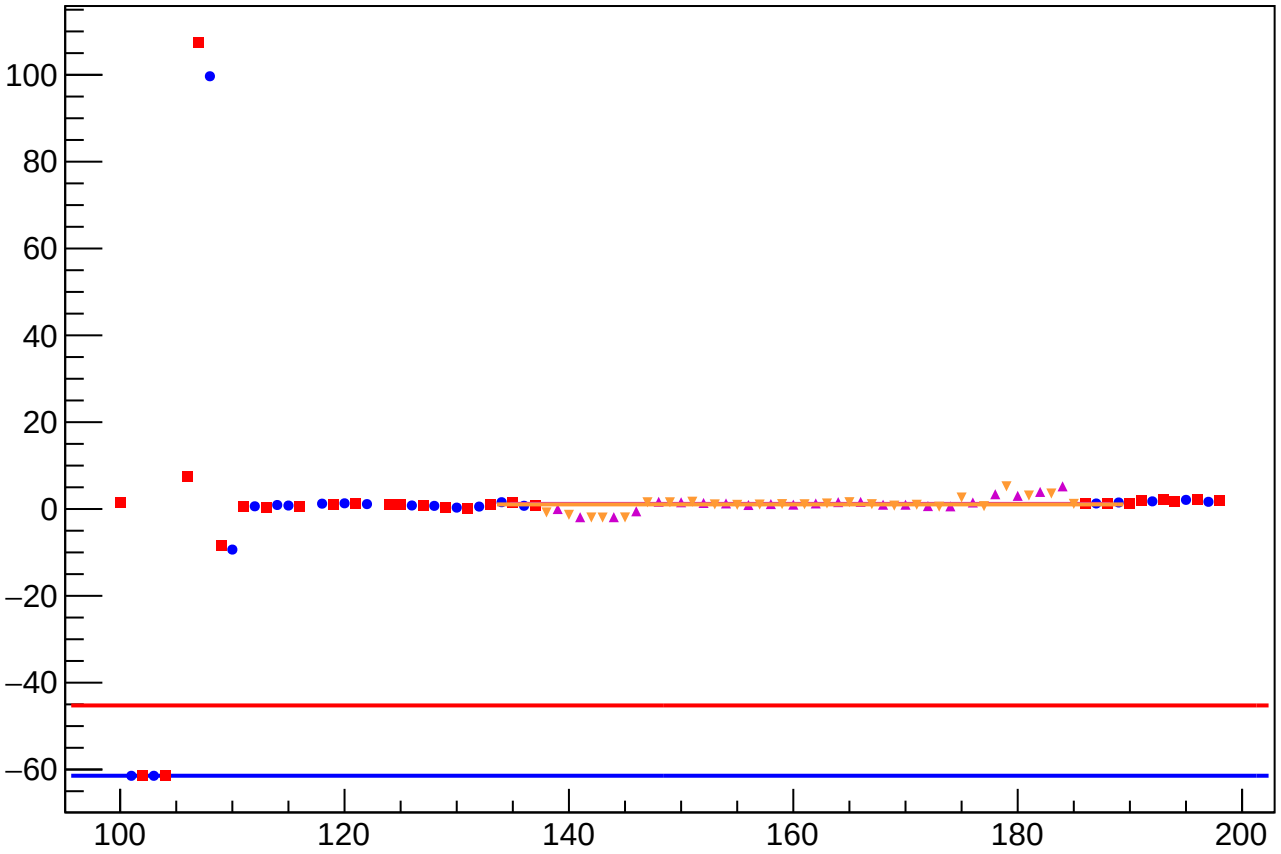
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.359+/-0.000 χ^2/NDF: 5638418.9/45

All: 0.362+/-0.000 χ^2/NDF: 12024618.0/95

- sign 0.365+/-0.000 χ^2/NDF: 6379541.3/49

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 279348426246.8/20

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357876023777373.8/26

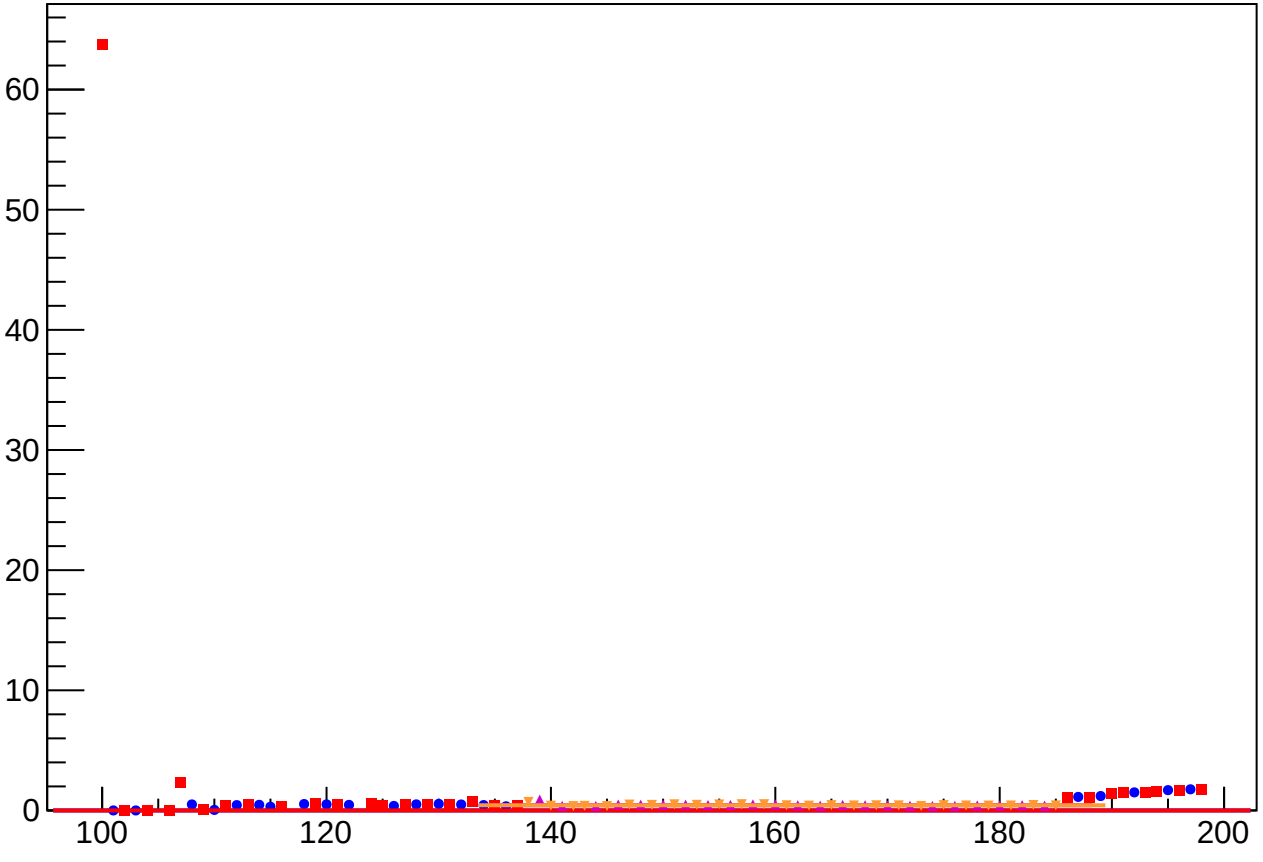
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 609354378216.8/4

All: -52.738+/-0.000 χ^2/NDF: 409603348105

- sign -45.236+/-0.000 χ^2/NDF: 358042588622526.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 15745826.2/20

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

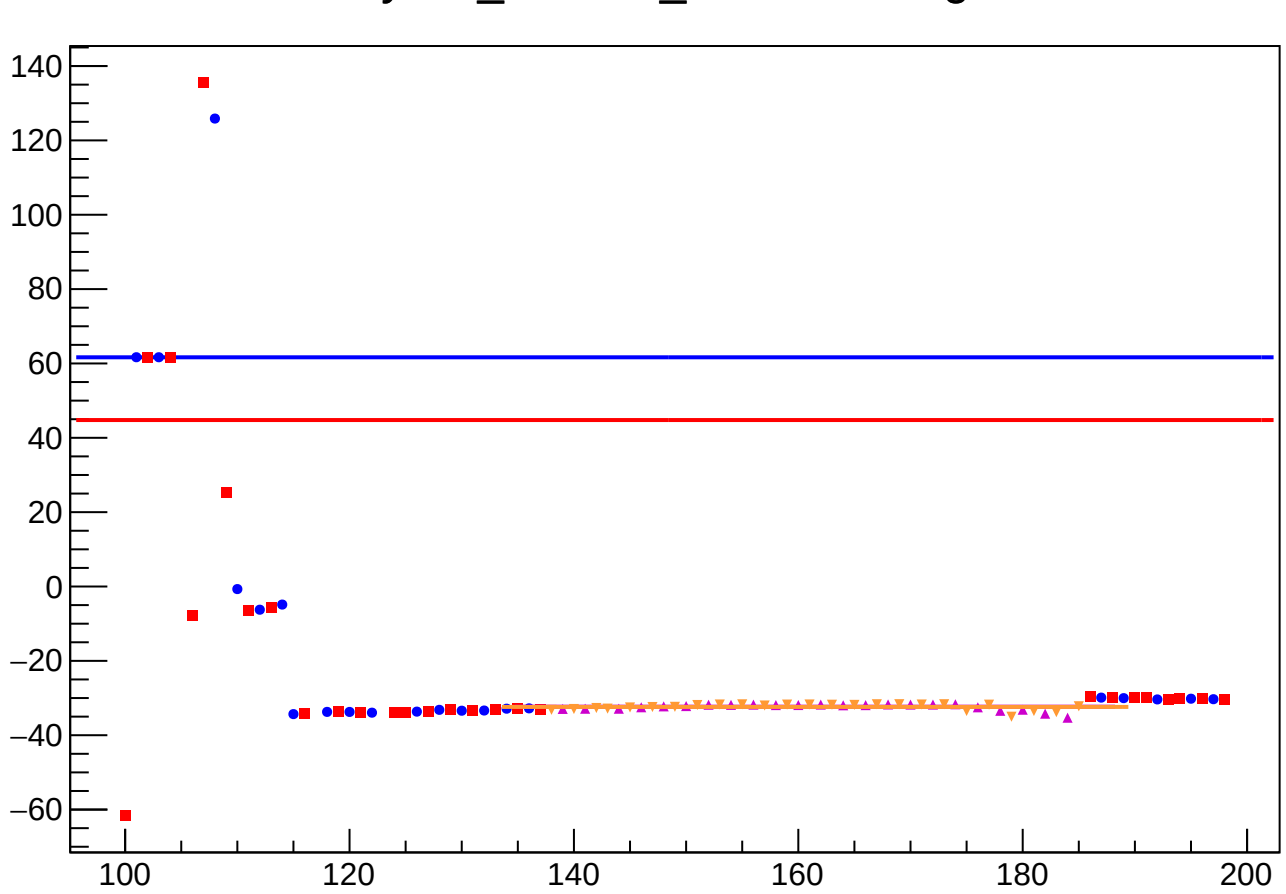
Right Out: 0.001+/-0.000 χ^2/NDF: 19663620.1/26

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 47510714.9/45

All: 0.002+/-0.000 χ^2/NDF: 97316668.2/95

- sign 0.002+/-0.000 χ^2/NDF: 49805803.0/49



Right In: 61.654+/-0.000 χ^2/NDF: 600202052270.7/20

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.777+/-0.000 χ^2/NDF: 366328659890193.5/26

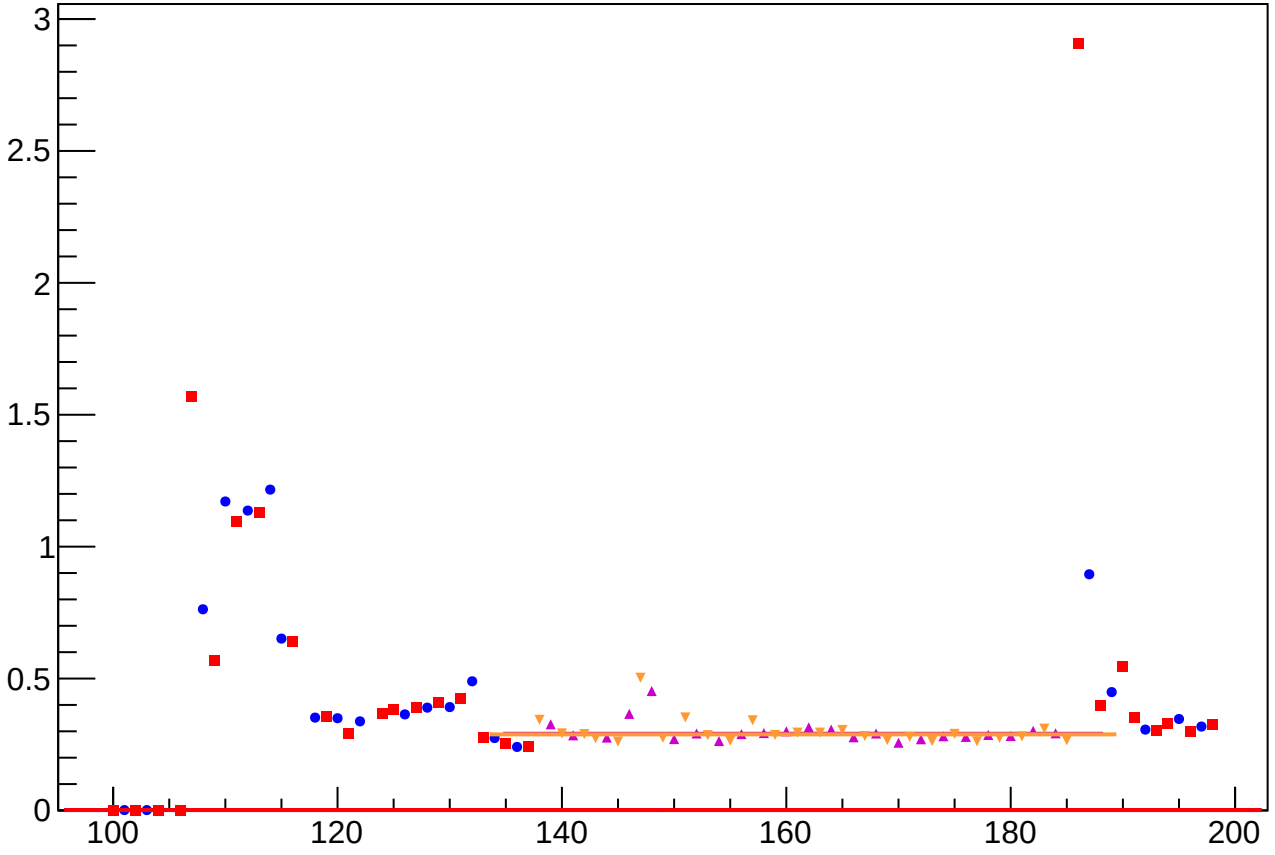
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.593+/-0.000 χ^2/NDF: 2558025702765.0/4

All: 52.630+/-0.000 χ^2/NDF: 421135902307

- sign 44.736+/-0.000 χ^2/NDF: 367556217039933.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 17410405.2/20

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 20656833.1/26

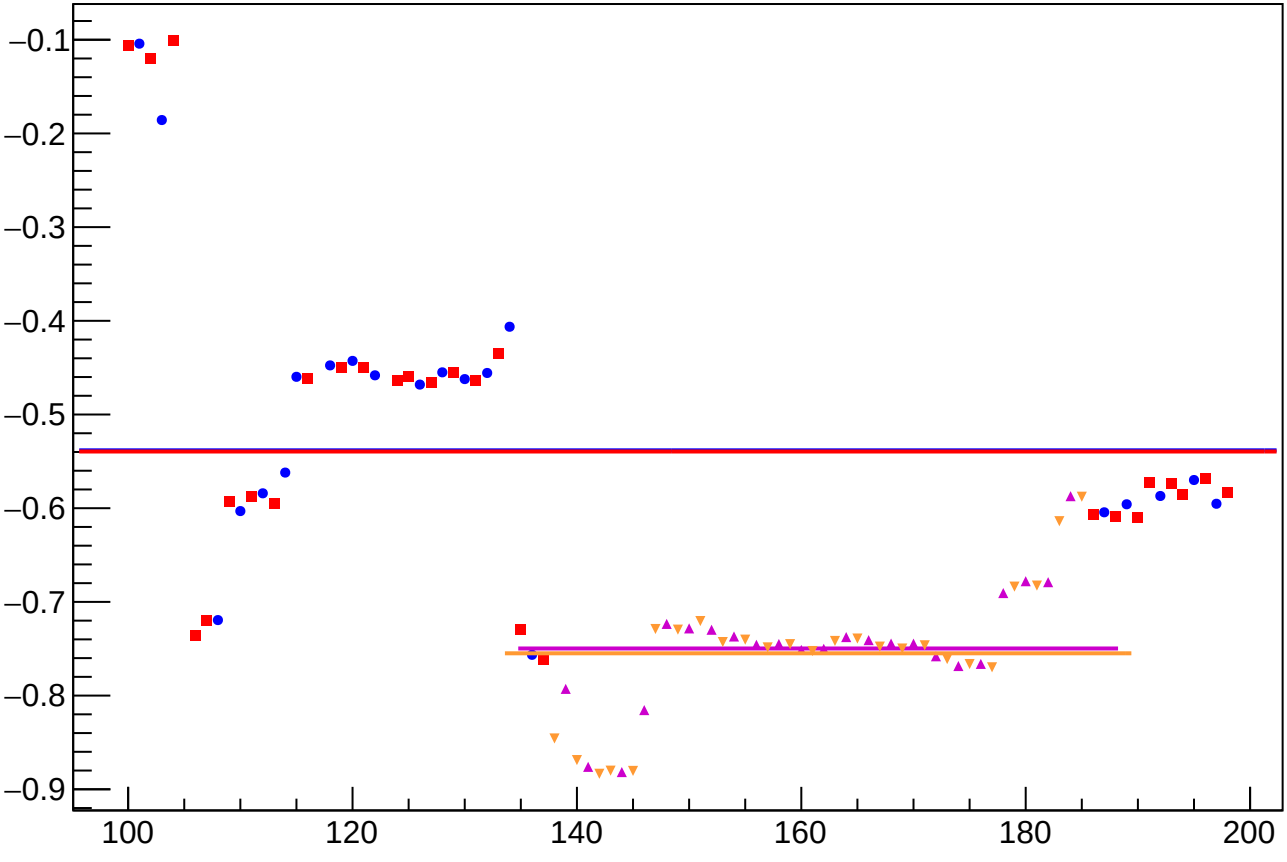
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 54366860.6/45

All: 0.002+/-0.000 χ^2/NDF: 109923408.7/95

- sign 0.002+/-0.000 χ^2/NDF: 55556541.3/49

yield_bpm4aX_mean vs Slug



Right In: -0.538+/-0.000 χ^2/NDF: 302964655.7/20

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.539+/-0.000 χ^2/NDF: 218825050.5/26

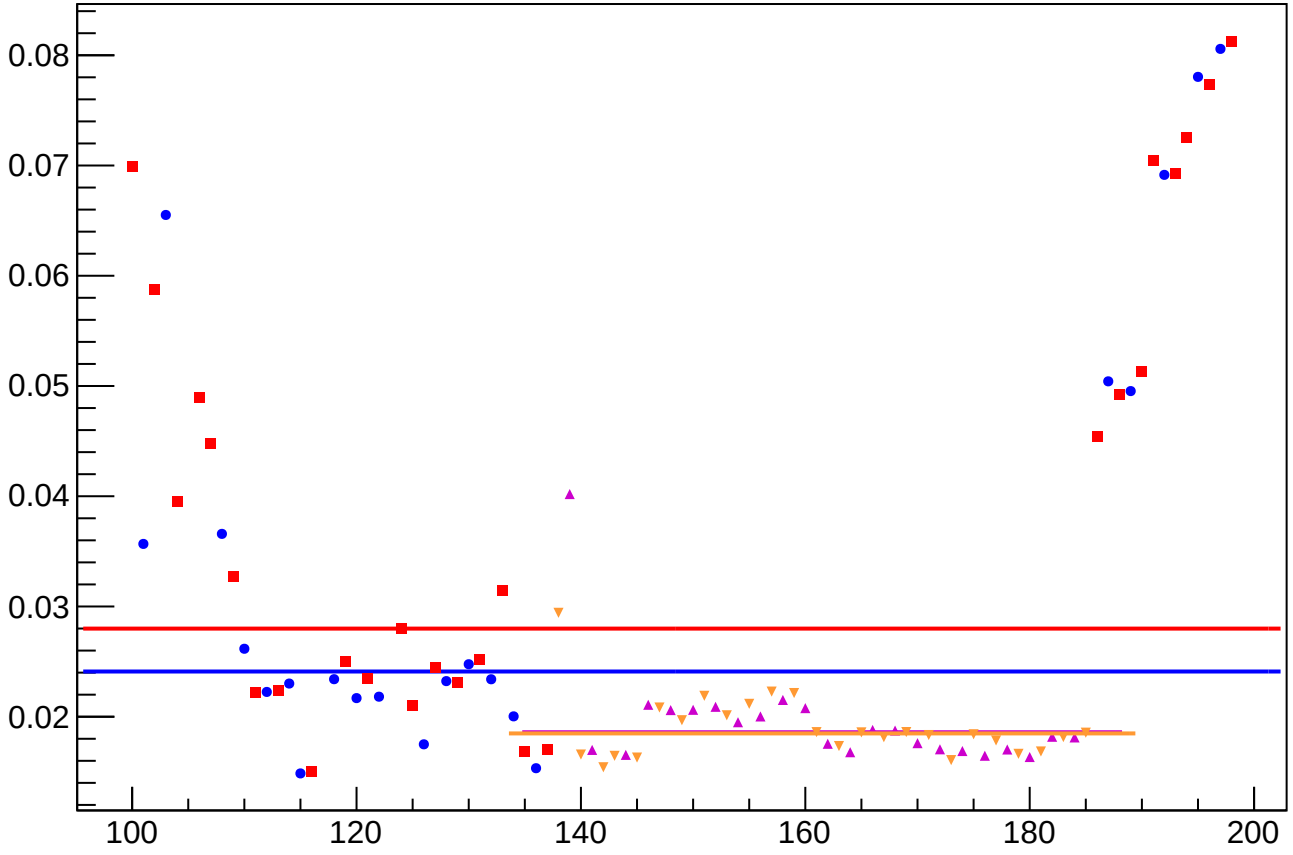
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.709+/-0.000 χ^2/NDF: 972331629.3/45

All: -0.707+/-0.000 χ^2/NDF: 1727235592.2/9

- sign -0.705+/-0.000 χ^2/NDF: 754604888.0/49

yield_bpm4aX_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 4099225.8/20

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.028+/-0.000 χ^2/NDF: 5015352.9/26

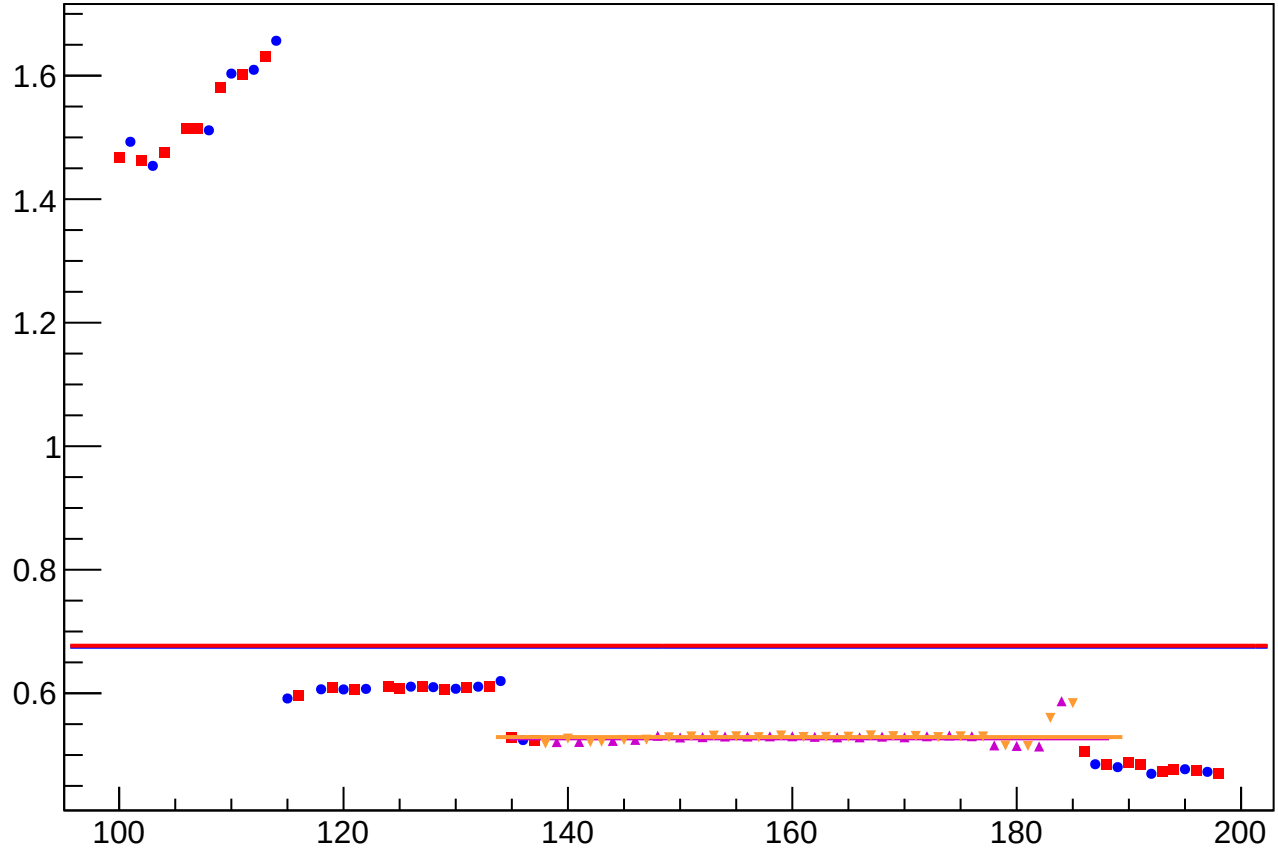
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 5204864.2/45

All: 0.020+/-0.000 χ^2/NDF: 12582378.0/95

- sign 0.021+/-0.000 χ^2/NDF: 7333162.2/49

yield_bpm4aY_mean vs Slug



Right In: 0.675+/-0.000 χ^2/NDF: 5054919436.0/20

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.677+/-0.000 χ^2/NDF: 6082551777.4/26

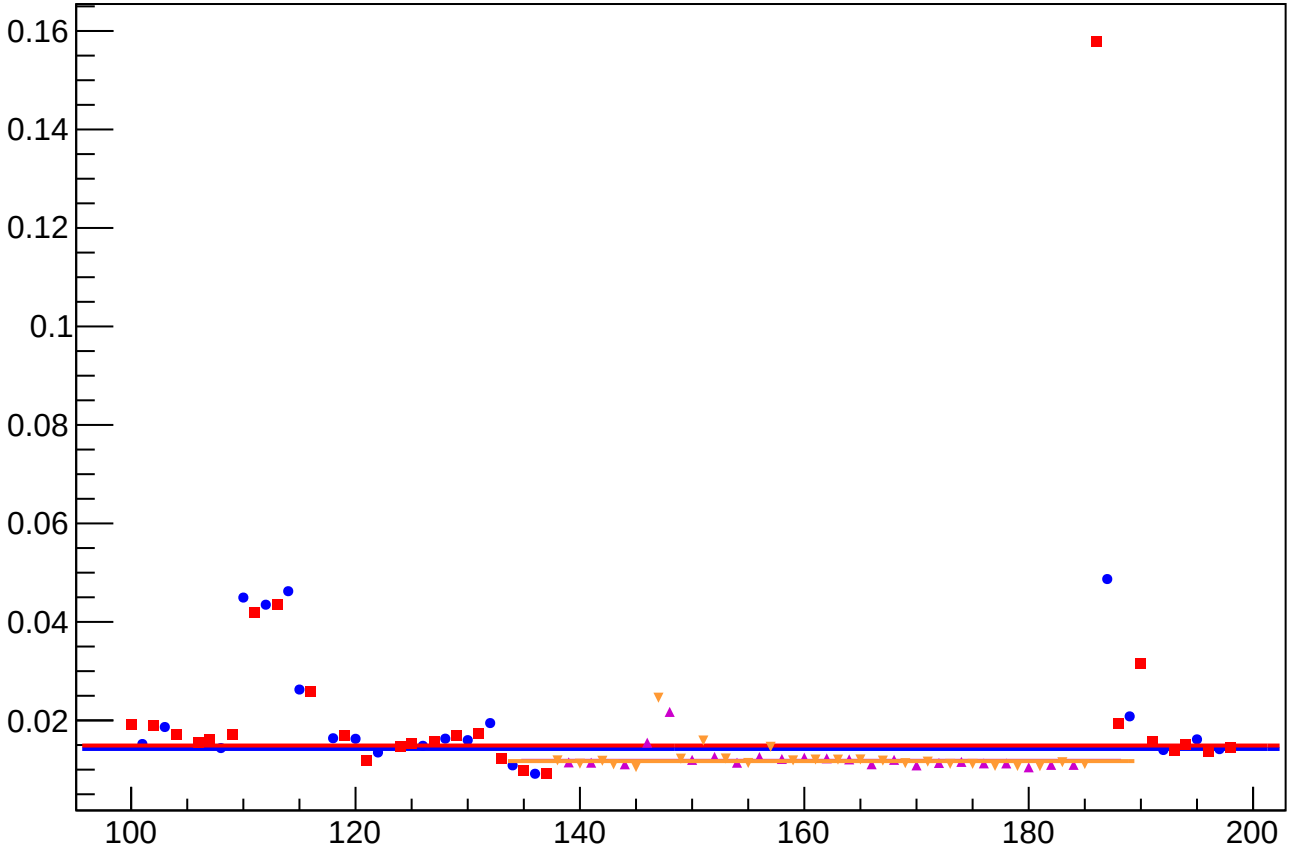
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.565+/-0.000 χ^2/NDF: 5786752199.7/45

All: 0.567+/-0.000 χ^2/NDF: 12676054545.4/9

- sign 0.569+/-0.000 χ^2/NDF: 6888296485.8/49

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1958444.5/20

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2378070.9/26

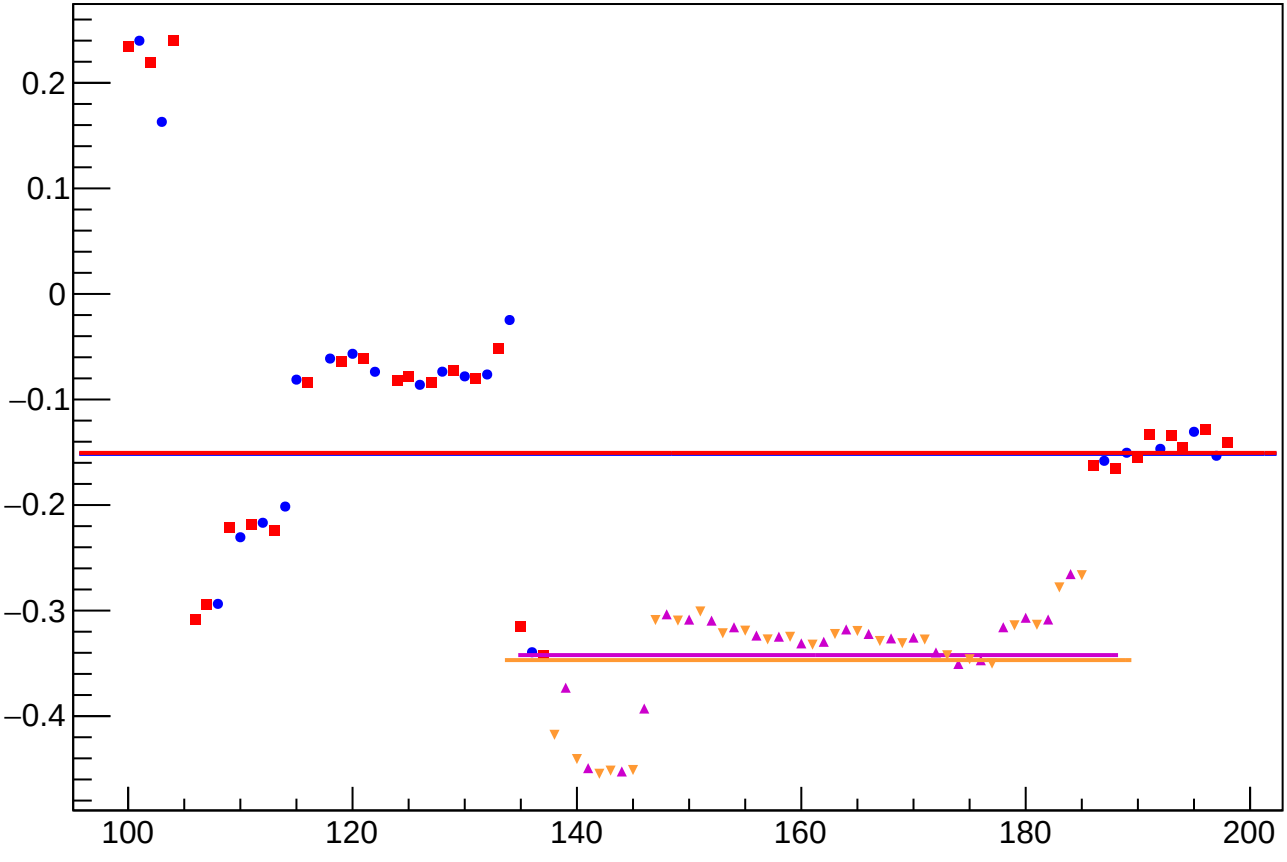
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 3066006.8/45

All: 0.012+/-0.000 χ^2/NDF: 6661204.3/95

- sign 0.013+/-0.000 χ^2/NDF: 3578309.4/49

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276866396.9/20

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199665230.7/26

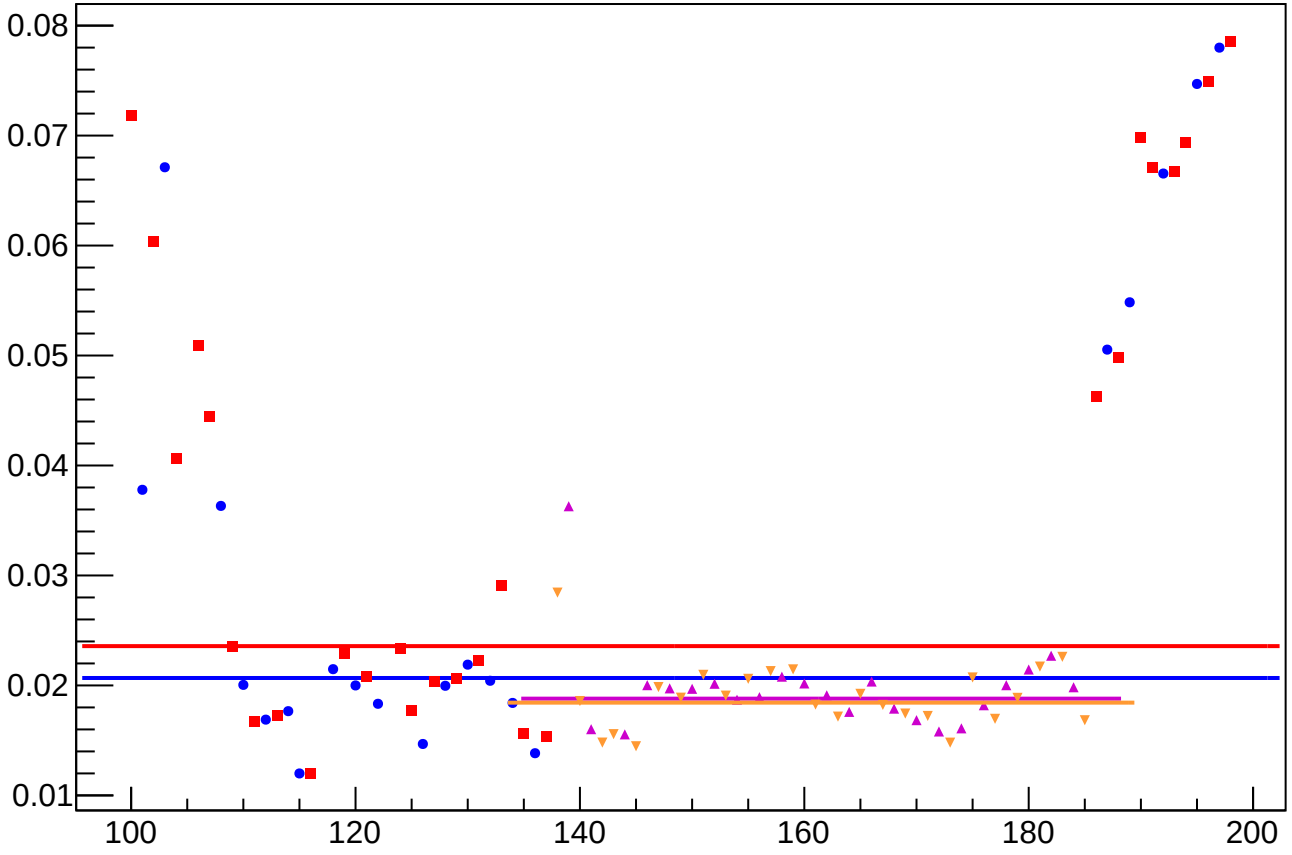
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.297+/-0.000 χ^2/NDF: 860628064.9/45

All: -0.295+/-0.000 χ^2/NDF: 1556239992.6/9

- sign -0.292+/-0.000 χ^2/NDF: 694990063.7/49

yield_bpm4eX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 4712474.3/20

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.024+/-0.000 χ^2/NDF: 6094604.8/26

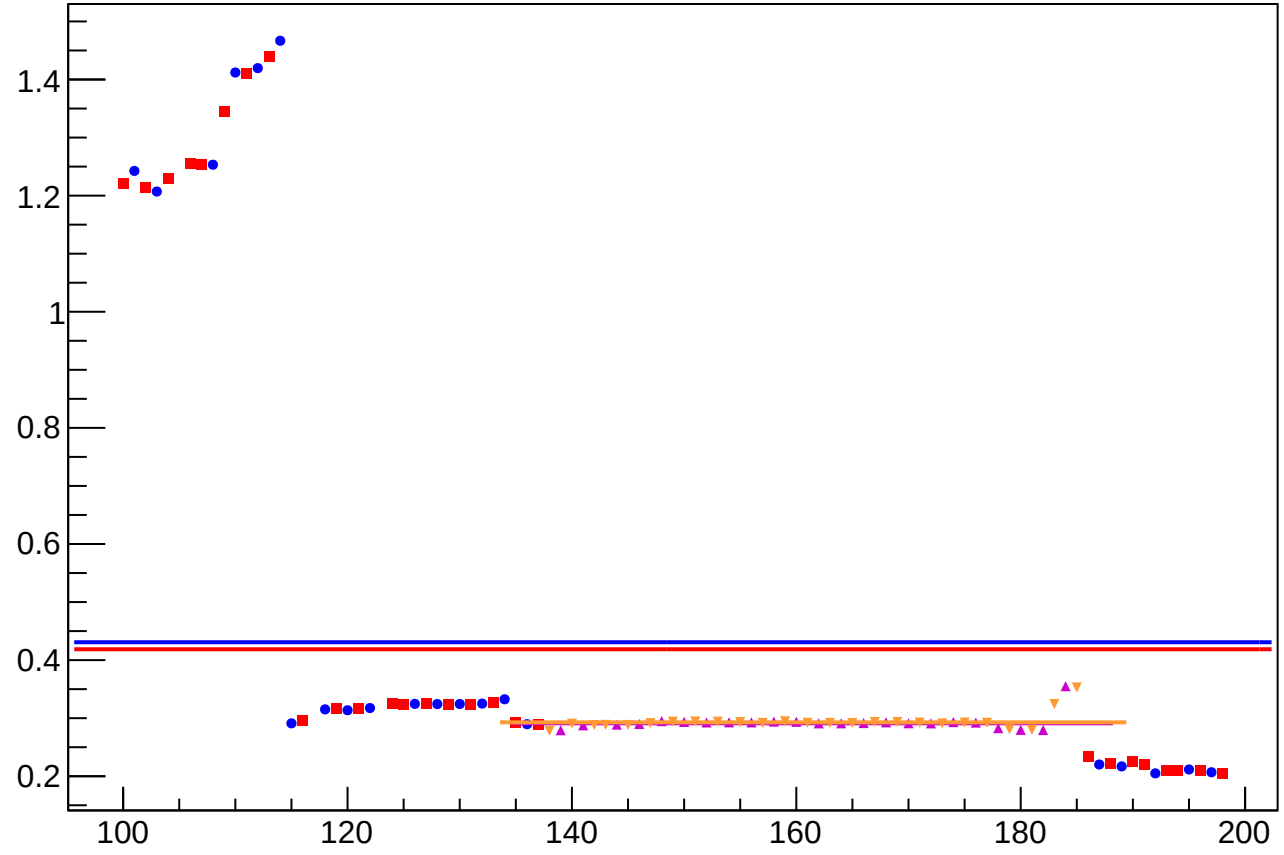
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 5473036.7/45

All: 0.020+/-0.000 χ^2/NDF: 12856742.7/95

- sign 0.020+/-0.000 χ^2/NDF: 7319570.2/49

yield_bpm4eY_mean vs Slug



Right In: 0.431+/-0.000 χ^2/NDF: 7460420597.6/20

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.419+/-0.000 χ^2/NDF: 8616975052.5/26

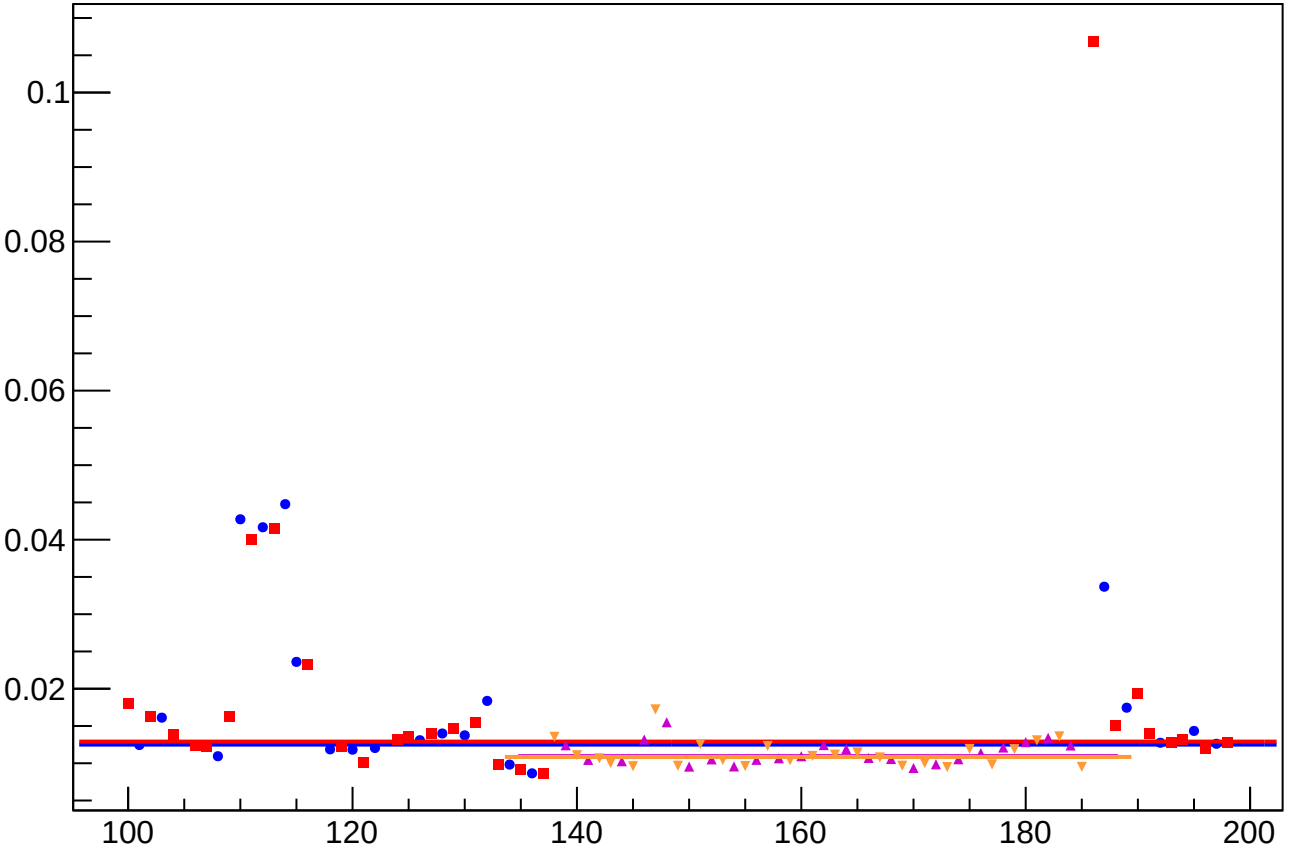
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.330+/-0.000 χ^2/NDF: 8281358982.5/45

All: 0.331+/-0.000 χ^2/NDF: 17639589416.1/9

- sign 0.331+/-0.000 χ^2/NDF: 9358198651.3/49

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1762755.4/20

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2158243.9/26

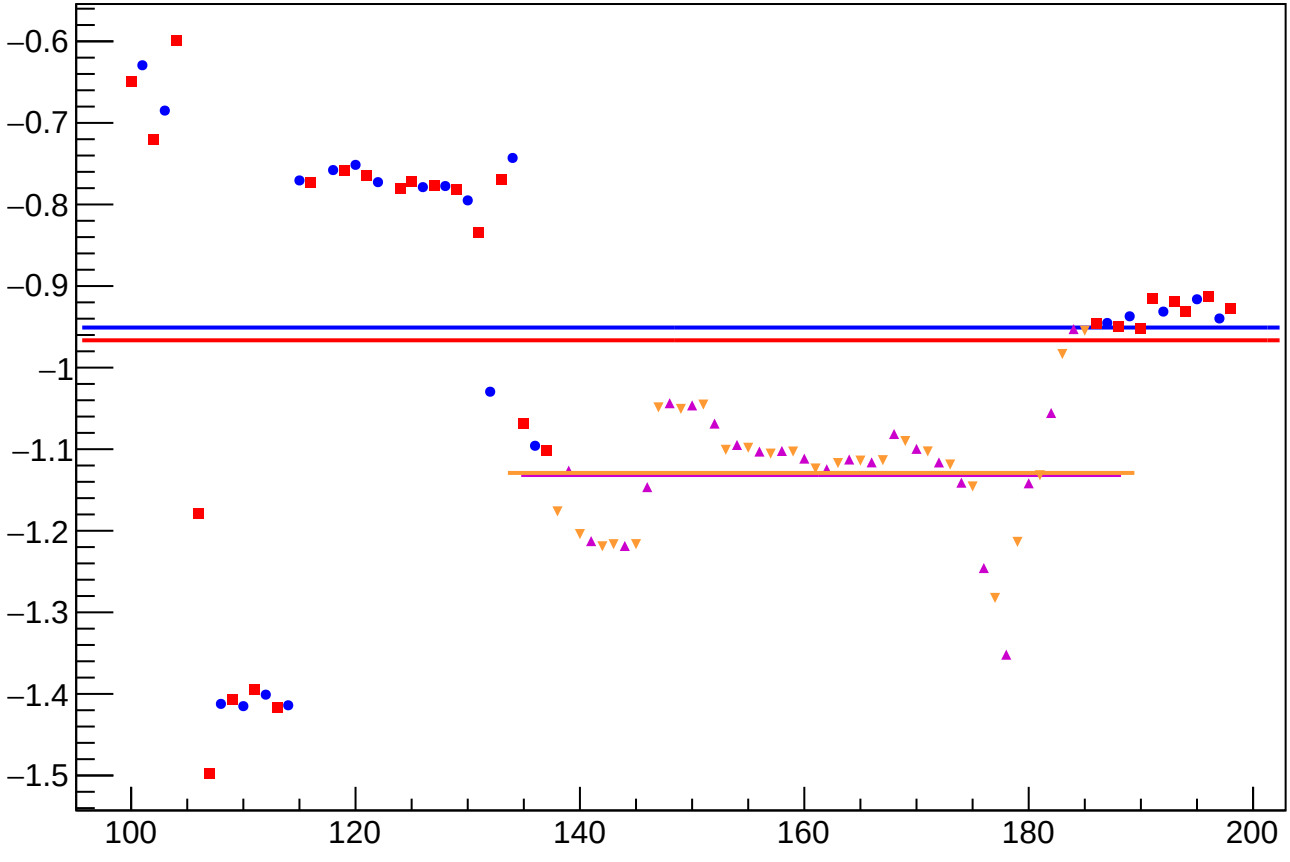
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2649250.1/45

All: 0.011+/-0.000 χ^2/NDF: 5675973.9/95

- sign 0.012+/-0.000 χ^2/NDF: 3011595.5/49

yield_bpm4acX_mean vs Slug



Right In: -0.951+/-0.000 χ^2/NDF: 699797059.4/20

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.967+/-0.000 χ^2/NDF: 716253572.3/26

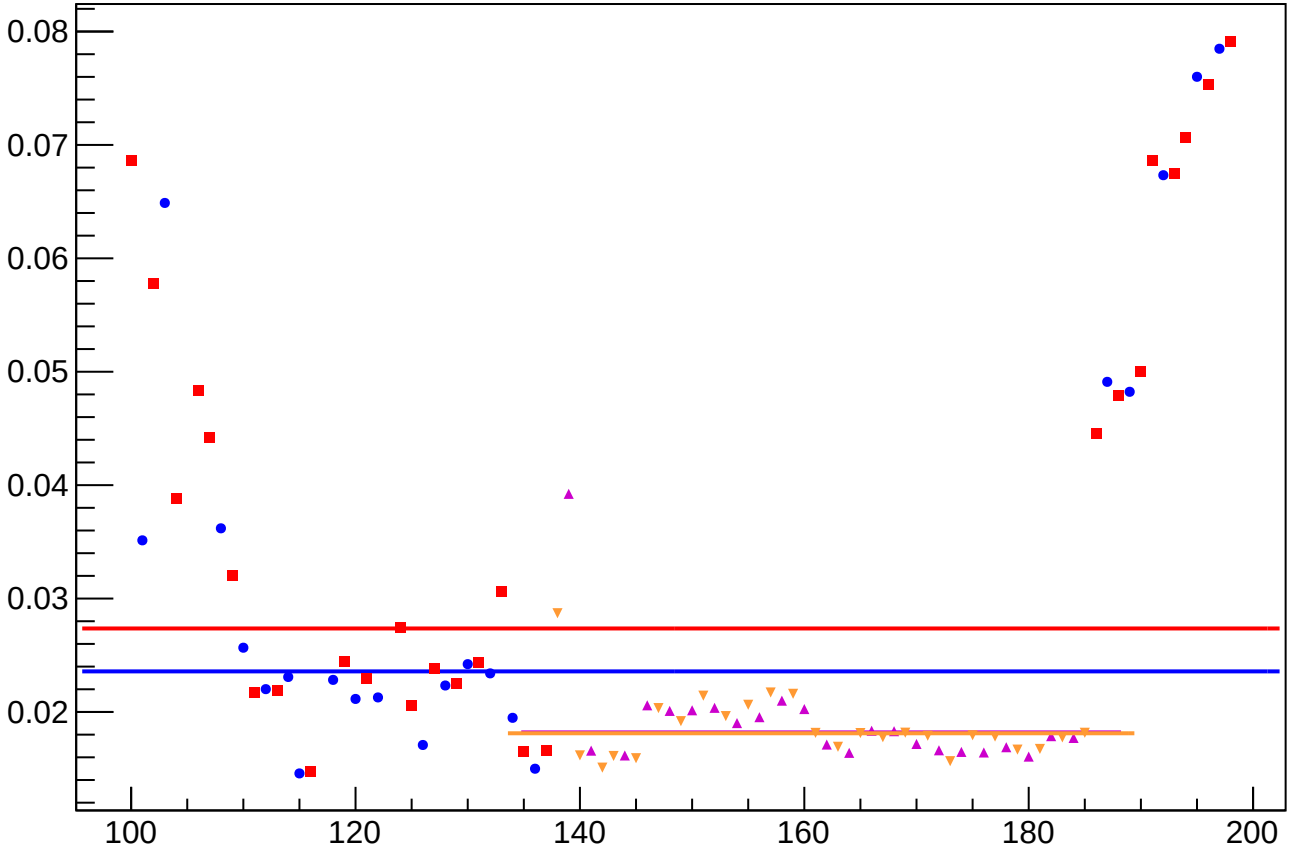
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.091+/-0.000 χ^2/NDF: 1260644808.5/45

All: -1.094+/-0.000 χ^2/NDF: 2492636637.0/9

- sign -1.097+/-0.000 χ^2/NDF: 1230994581.0/49

yield_bpm4acX_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 4099415.5/20

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.027+/-0.000 χ^2/NDF: 5005123.7/26

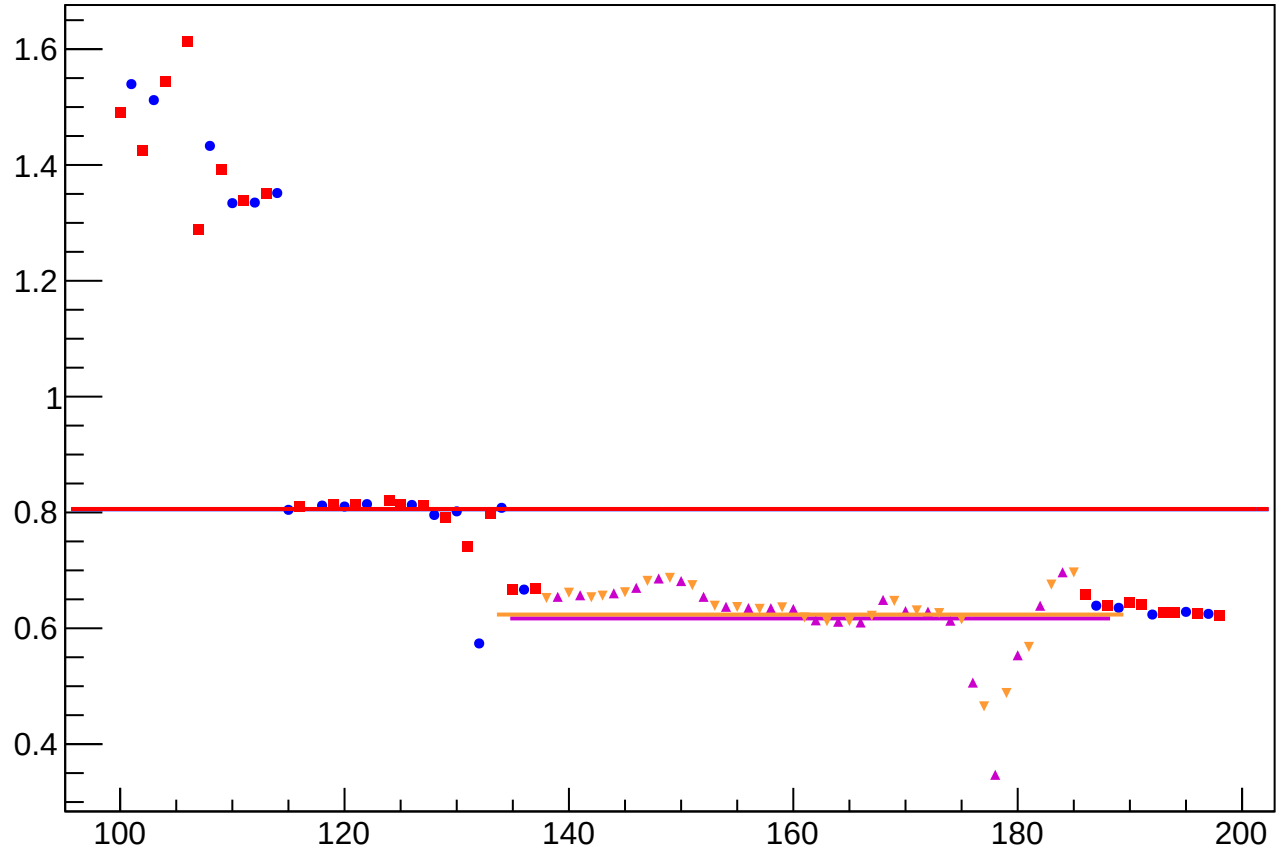
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 5178531.6/45

All: 0.020+/-0.000 χ^2/NDF: 12516422.1/95

- sign 0.020+/-0.000 χ^2/NDF: 7296412.5/49

yield_bpm4acY_mean vs Slug



Right In: 0.805+/-0.000 χ^2/NDF: 3390192297.5/20

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.806+/-0.000 χ^2/NDF: 3808479767.9/26

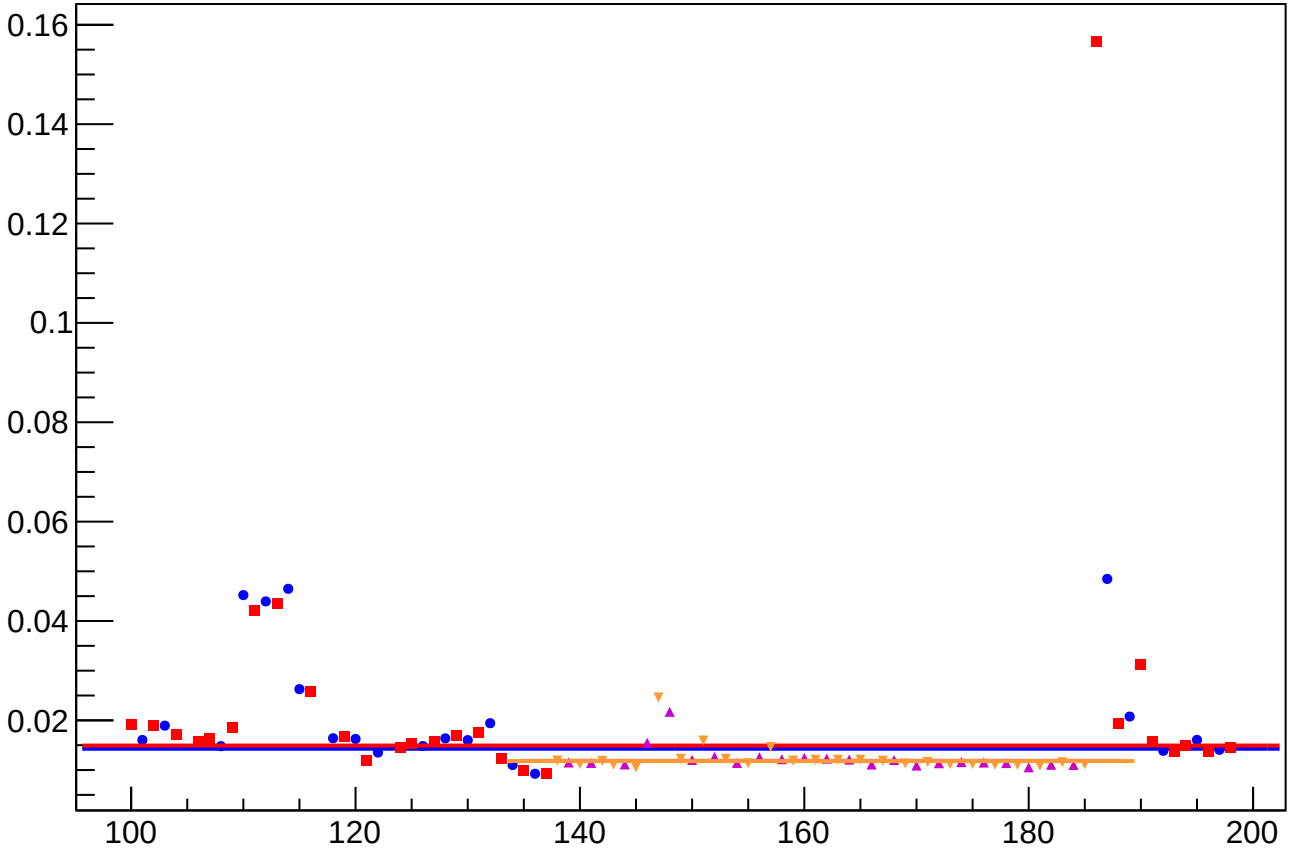
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.669+/-0.000 χ^2/NDF: 4880370404.4/45

All: 0.669+/-0.000 χ^2/NDF: 10584368415.9/9

- sign 0.670+/-0.000 χ^2/NDF: 5703918325.5/49

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1944355.1/20

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

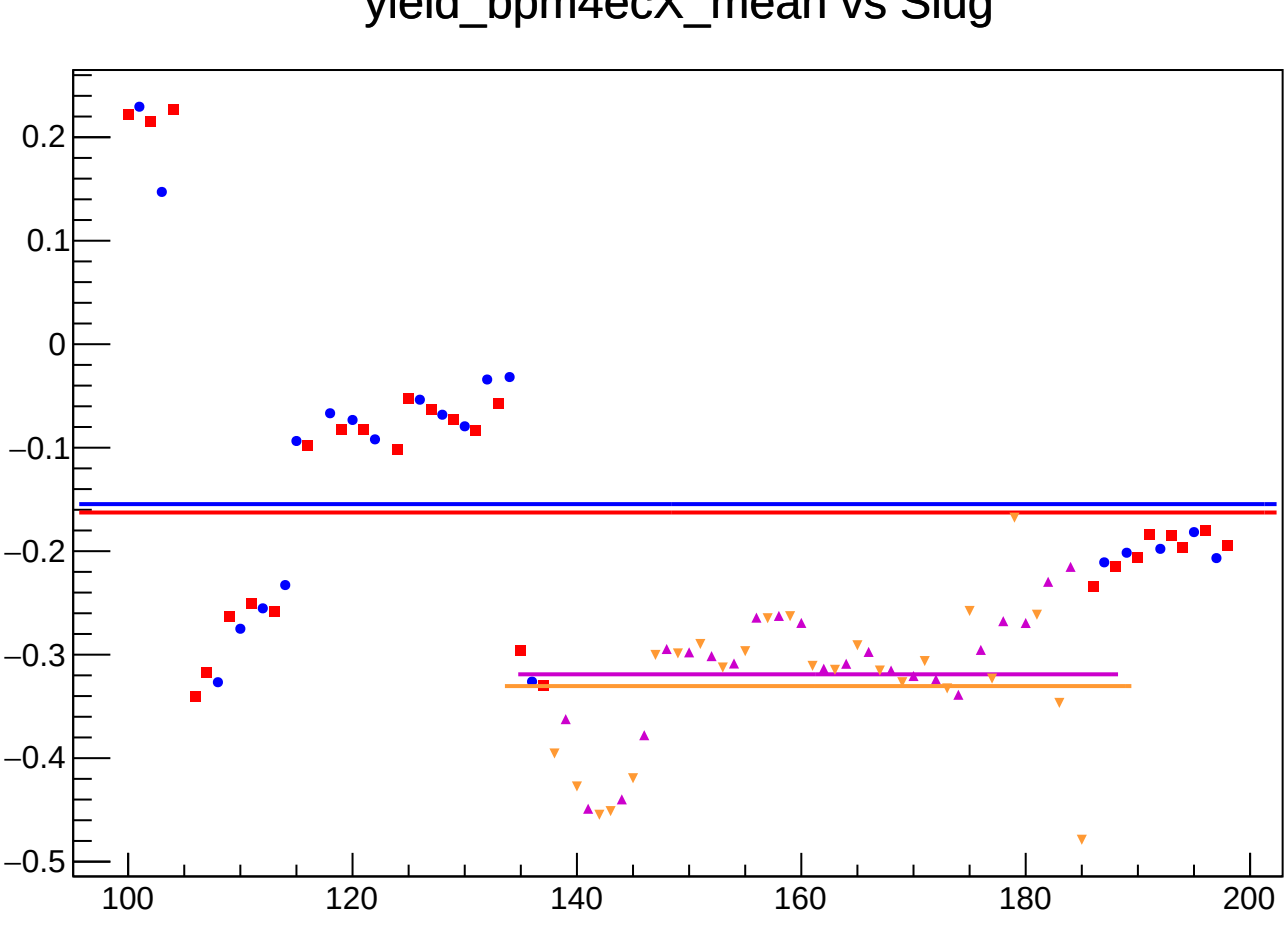
Right Out: 0.015+/-0.000 χ^2/NDF: 2383216.7/26

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3024702.4/45

All: 0.013+/-0.000 χ^2/NDF: 6594560.7/95

- sign 0.013+/-0.000 χ^2/NDF: 3555947.4/49



Right In: -0.155+/-0.000 χ^2/NDF: 275761394.2/20

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.163+/-0.000 χ^2/NDF: 198311177.9/26

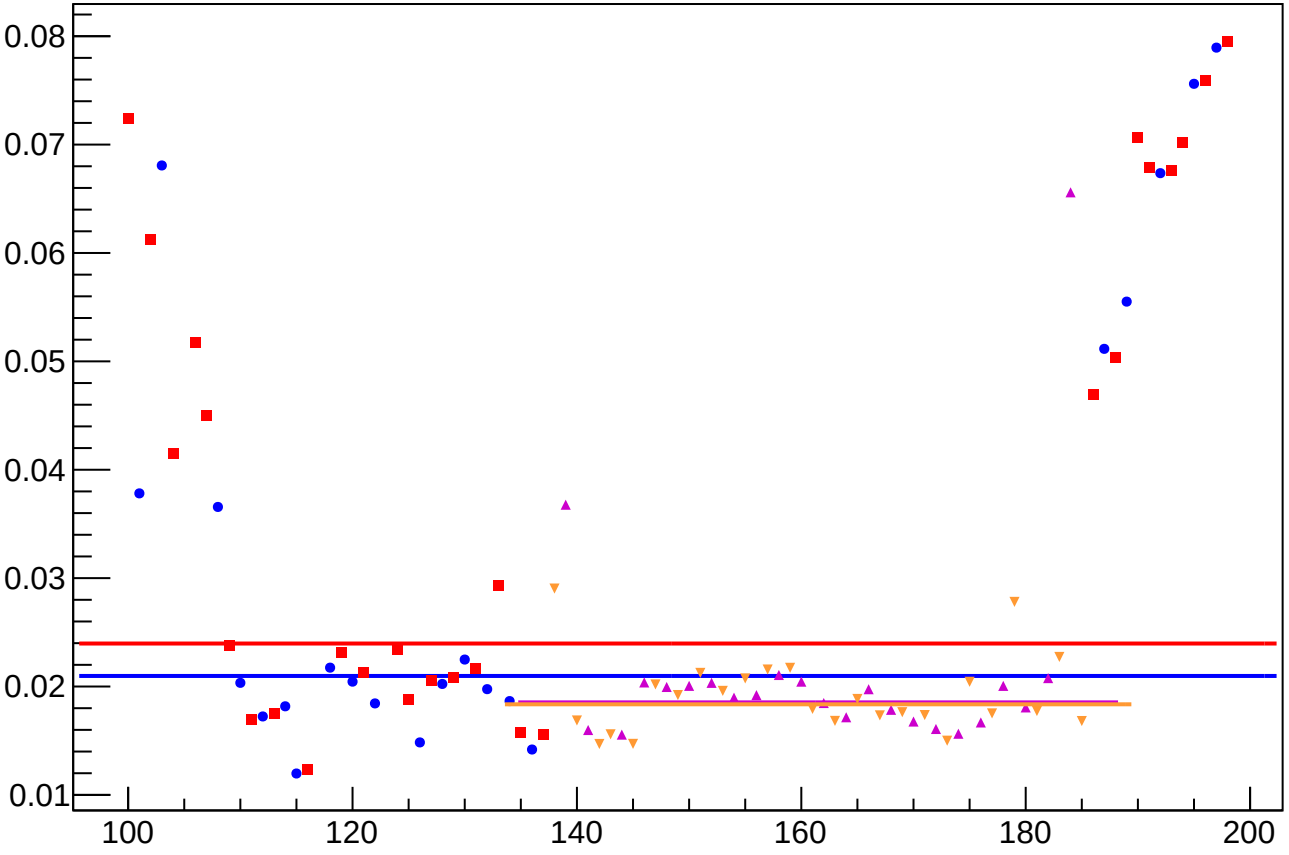
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.285+/-0.000 χ^2/NDF: 819952257.6/45

All: -0.282+/-0.000 χ^2/NDF: 1414681765.8/9

- sign -0.279+/-0.000 χ^2/NDF: 593560024.3/49

yield_bpm4ecX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 4683722.7/20

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.024+/-0.000 χ^2/NDF: 6057980.5/26

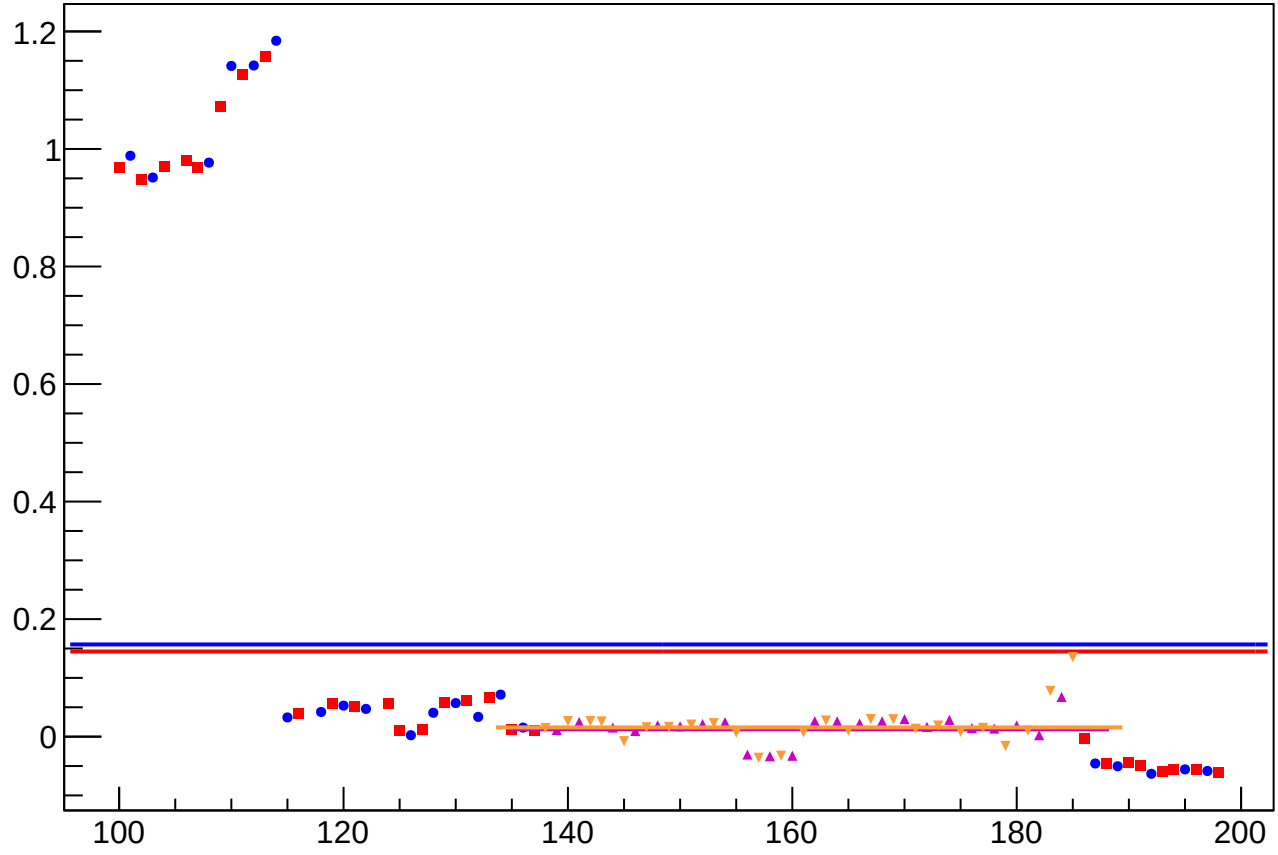
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 5581194.9/45

All: 0.019+/-0.000 χ^2/NDF: 13258659.2/95

- sign 0.020+/-0.000 χ^2/NDF: 7630142.8/49

yield_bpm4ecY_mean vs Slug



Right In: 0.157+/-0.000 χ^2/NDF: 7588493622.1/20

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.145+/-0.000 χ^2/NDF: 8546928263.6/26

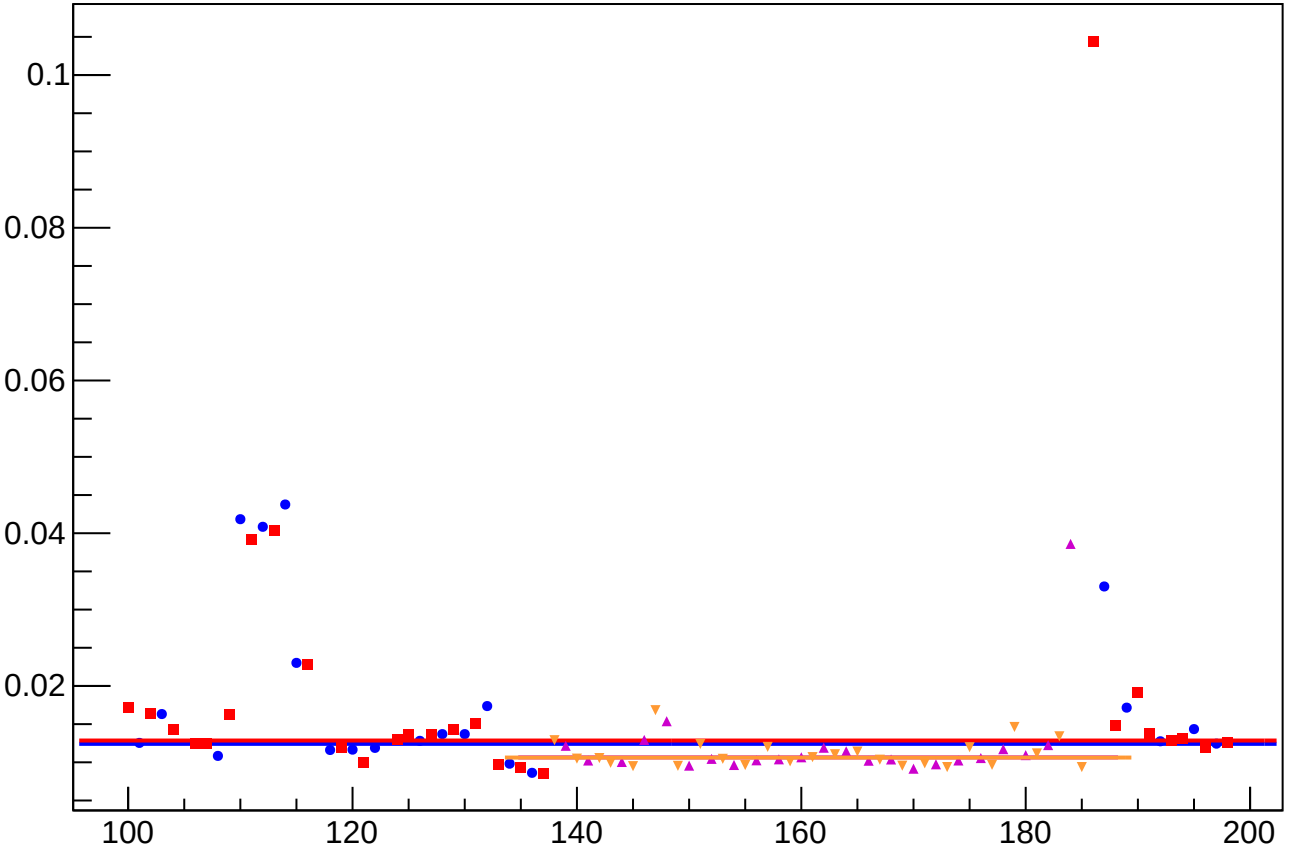
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.054+/-0.000 χ^2/NDF: 8547186685.7/45

All: 0.053+/-0.000 χ^2/NDF: 17954890235.5/9

- sign 0.053+/-0.000 χ^2/NDF: 9407556601.0/49

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1728320.3/20

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2103792.9/26

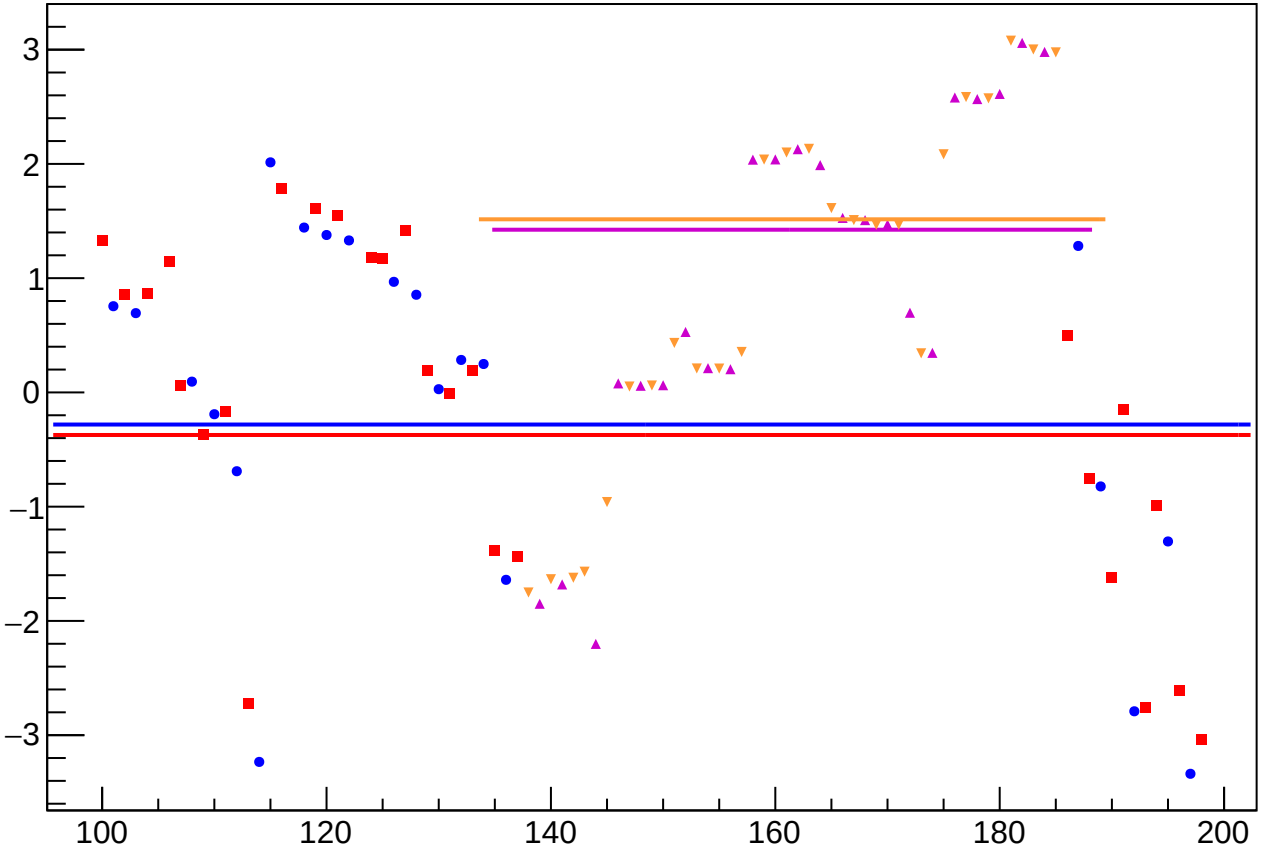
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2626616.2/45

All: 0.011+/-0.000 χ^2/NDF: 5758752.3/95

- sign 0.011+/-0.000 χ^2/NDF: 3122888.1/49

yield_bpm1X_mean vs Slug



Right In: -0.281+/-0.000 χ^2/NDF: 5656642588.9/20

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

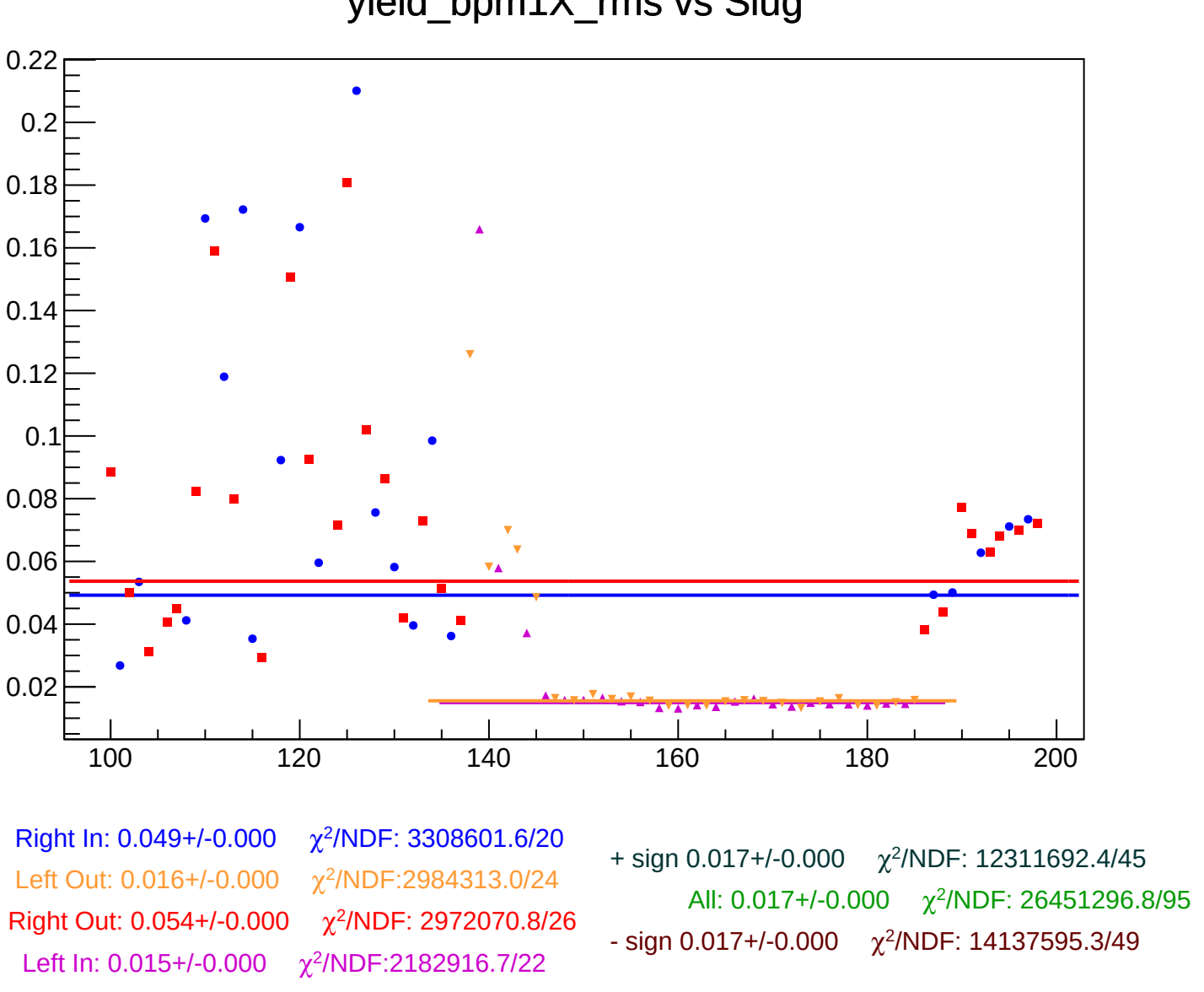
Right Out: -0.373+/-0.000 χ^2/NDF: 6257797293.1/26

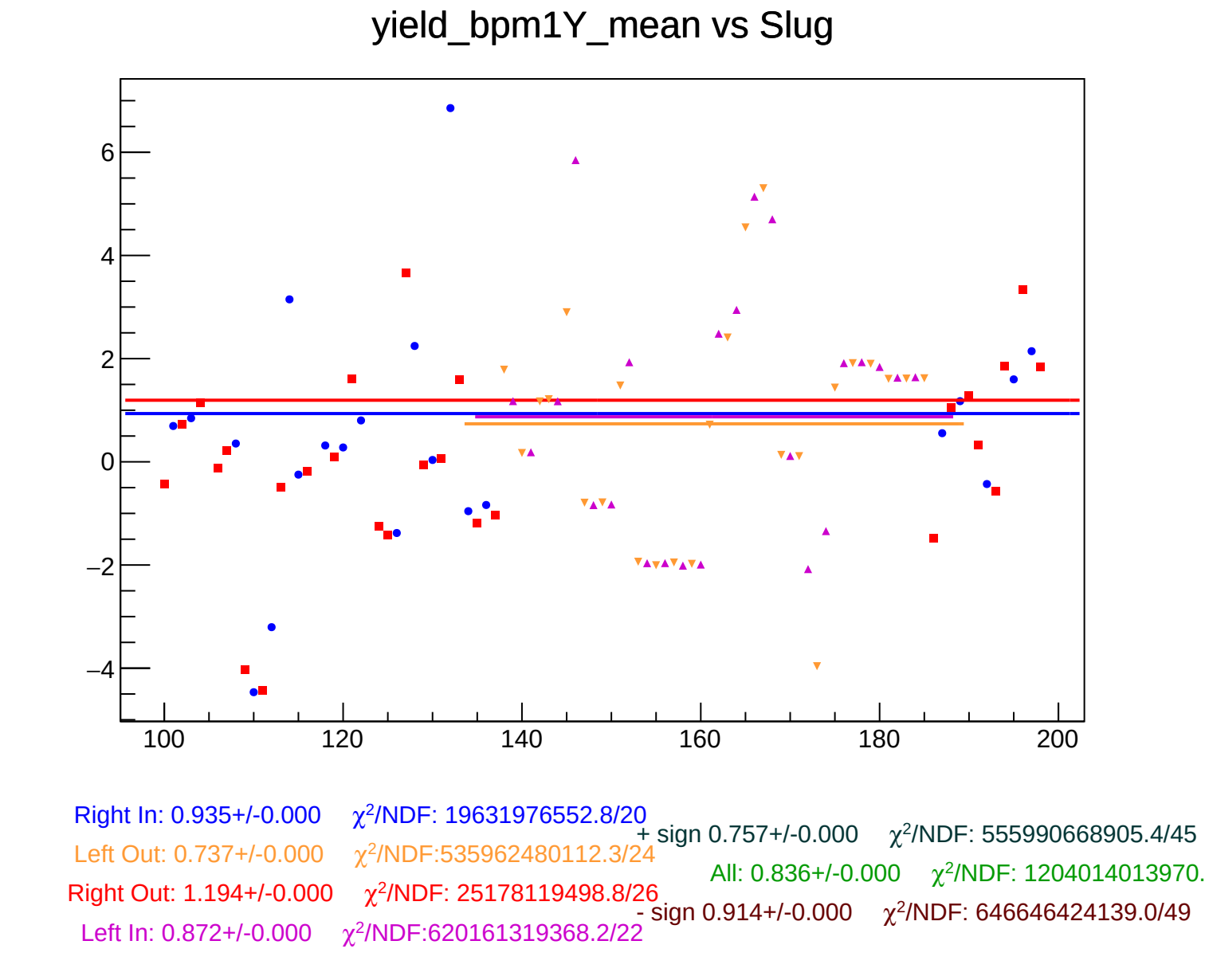
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.436+/-0.000 χ^2/NDF: 82007307900.5/45

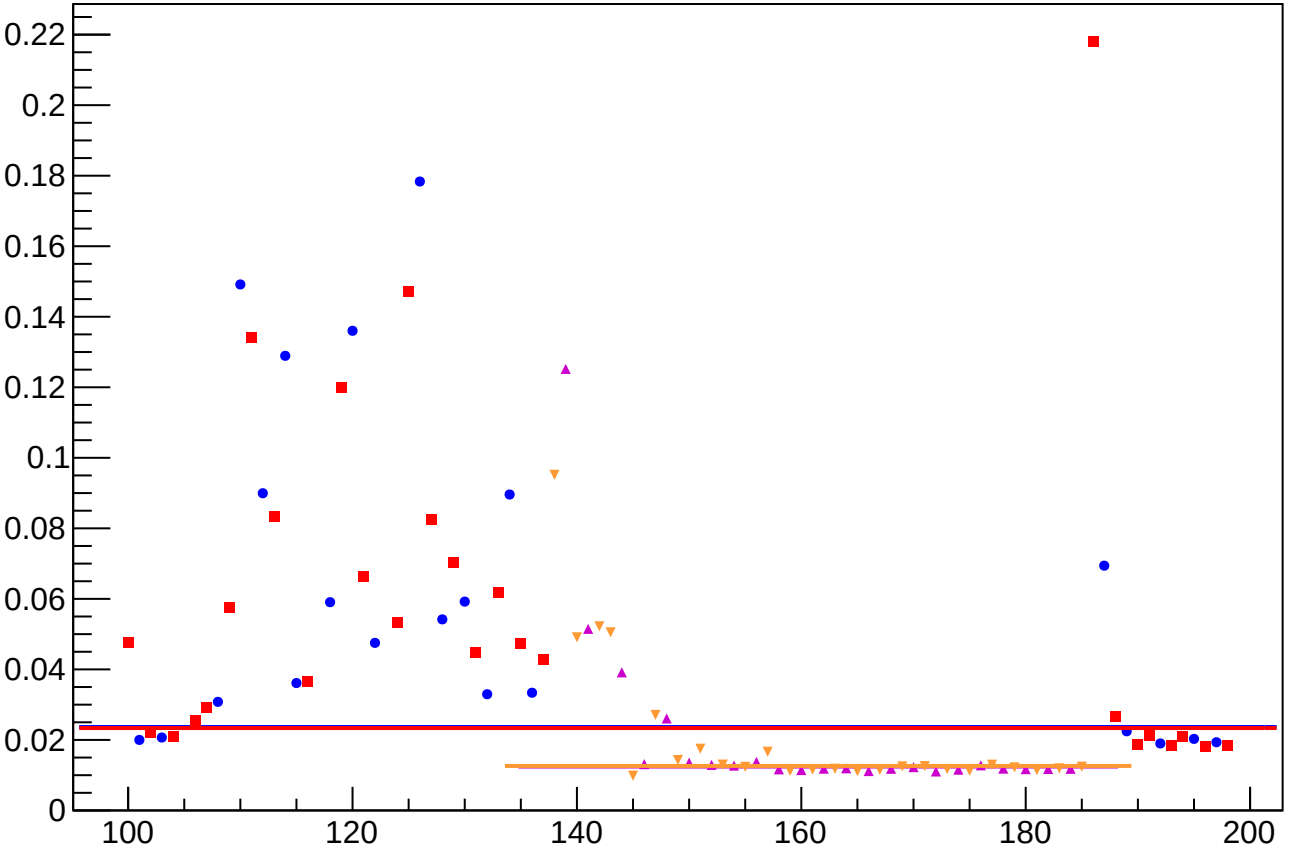
All: 1.386+/-0.000 χ^2/NDF: 166299262445.9

- sign 1.337+/-0.000 χ^2/NDF: 83976121042.9/49


yield_bpm1X_rms vs Slug
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
120
140
160
180
200
Right In: 0.049+/-0.000 χ²/NDF: 3308601.6/20
Left Out: 0.016+/-0.000 χ²/NDF:2984313.0/24
Right Out: 0.054+/-0.000 χ²/NDF: 2972070.8/26
Left In: 0.015+/-0.000 χ²/NDF:2182916.7/22
+ sign 0.017+/-0.000 χ²/NDF: 12311692.4/45
All: 0.017+/-0.000 χ²/NDF: 26451296.8/95
- sign 0.017+/-0.000 χ²/NDF: 14137595.3/49


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: 0.935+/-0.000 χ²/NDF: 19631976552.8/20
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 1.194+/-0.000 χ²/NDF: 25178119498.8/26
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 0.757+/-0.000 χ²/NDF: 555990668905.4/45
All: 0.836+/-0.000 χ²/NDF: 1204014013970.
- sign 0.914+/-0.000 χ²/NDF: 646646424139.0/49

yield_bpm1Y_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 3844708.5/20

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.023+/-0.000 χ^2/NDF: 4971747.4/26

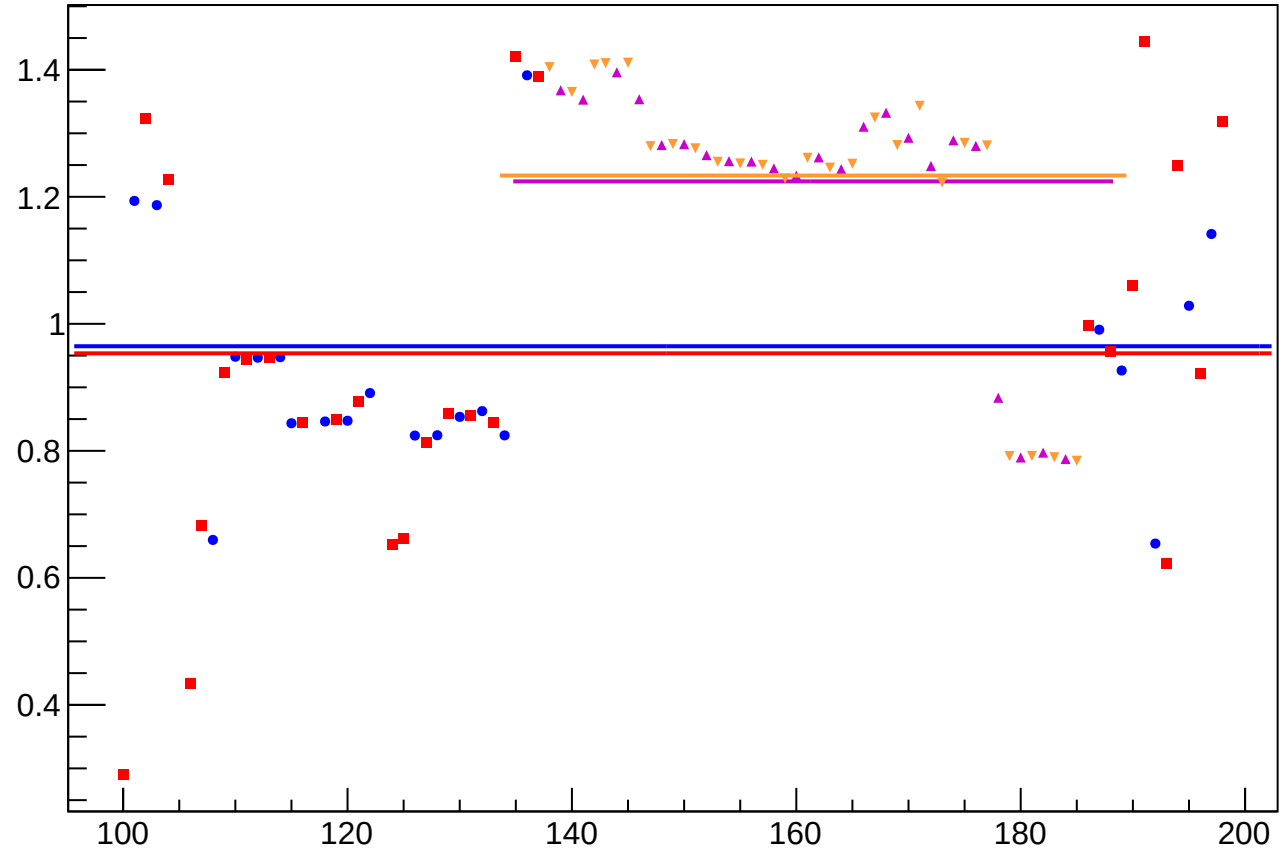
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9482116.4/45

All: 0.014+/-0.000 χ^2/NDF: 20225639.9/95

- sign 0.014+/-0.000 χ^2/NDF: 10742163.8/49

yield_bpm11X_mean vs Slug



Right In: 0.965+/-0.000 χ^2/NDF: 1602707562.7/20

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.954+/-0.000 χ^2/NDF: 2000700274.4/26

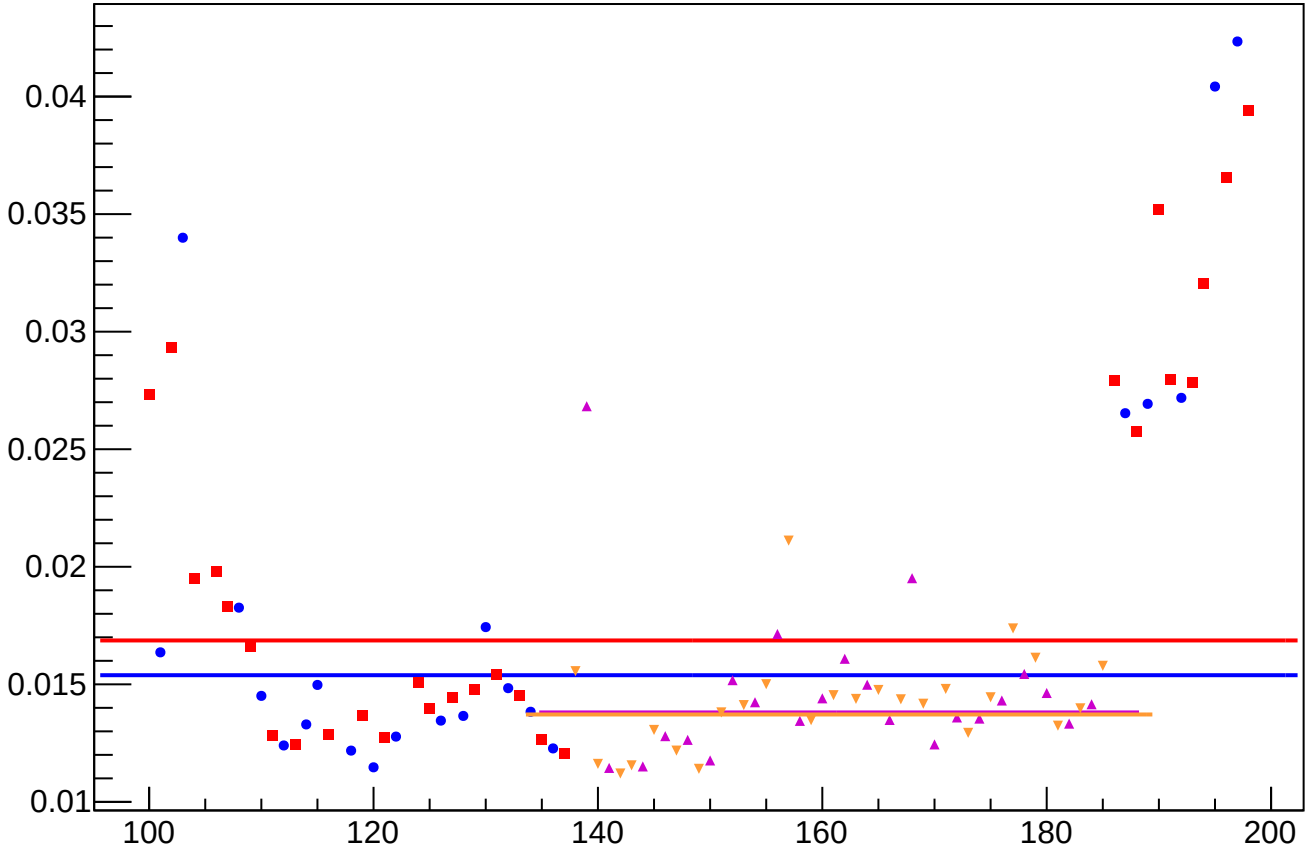
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.158+/-0.000 χ^2/NDF: 6487090477.7/45

All: 1.151+/-0.000 χ^2/NDF: 13004400822.8/9

- sign 1.144+/-0.000 χ^2/NDF: 6506027123.9/49

yield_bpm11X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2580093.8/20

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.017+/-0.000 χ^2/NDF: 3068173.0/26

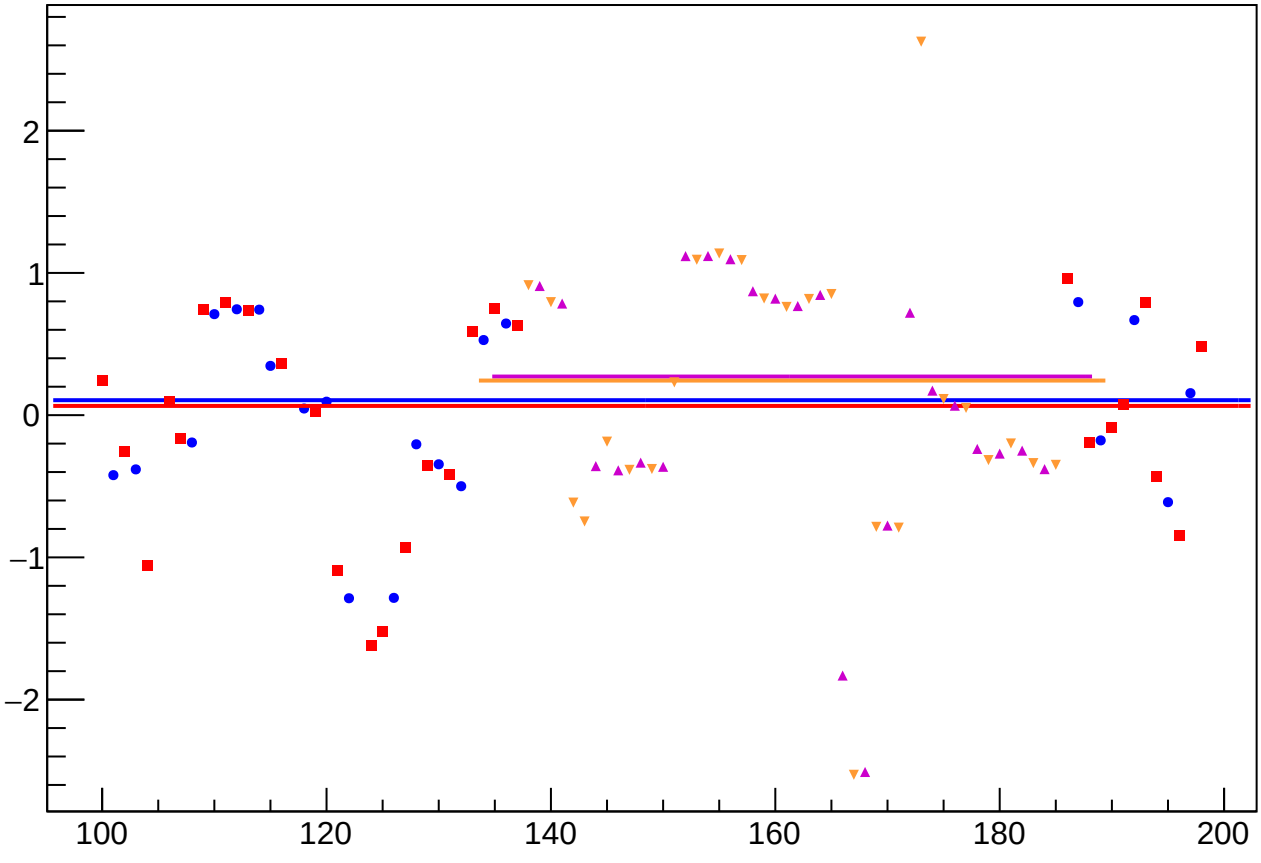
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 3273041.2/45

All: 0.014+/-0.000 χ^2/NDF: 7718506.8/95

- sign 0.015+/-0.000 χ^2/NDF: 4411822.7/49

yield_bpm11Y_mean vs Slug



Right In: 0.105+/-0.000 χ^2/NDF: 16872480422.2/20

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.065+/-0.000 χ^2/NDF: 28522878738.3/26

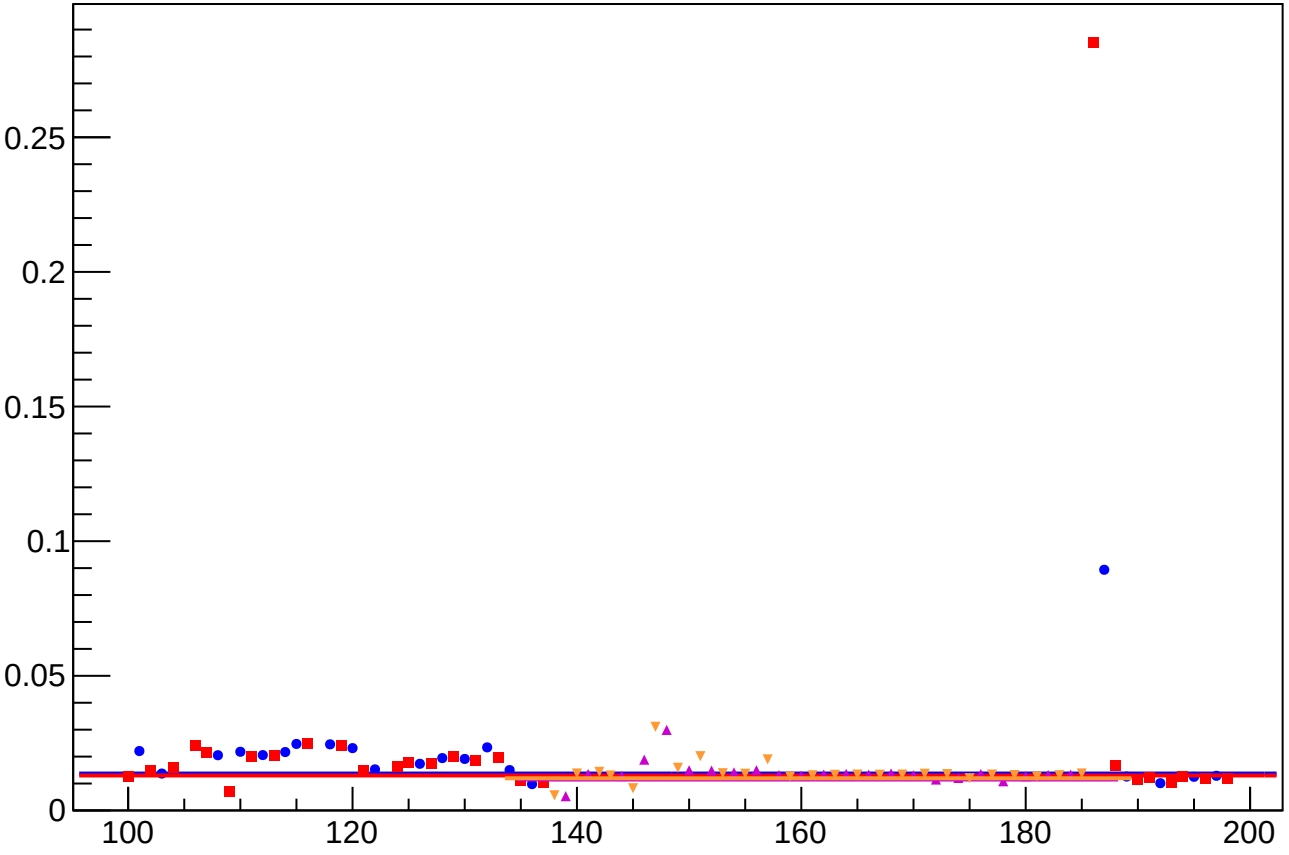
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.204+/-0.000 χ^2/NDF: 123095139544.7/45

All: 0.203+/-0.000 χ^2/NDF: 243815206349.4

- sign 0.202+/-0.000 χ^2/NDF: 120719440728.9/49

yield_bpm11Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1965741.3/20

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

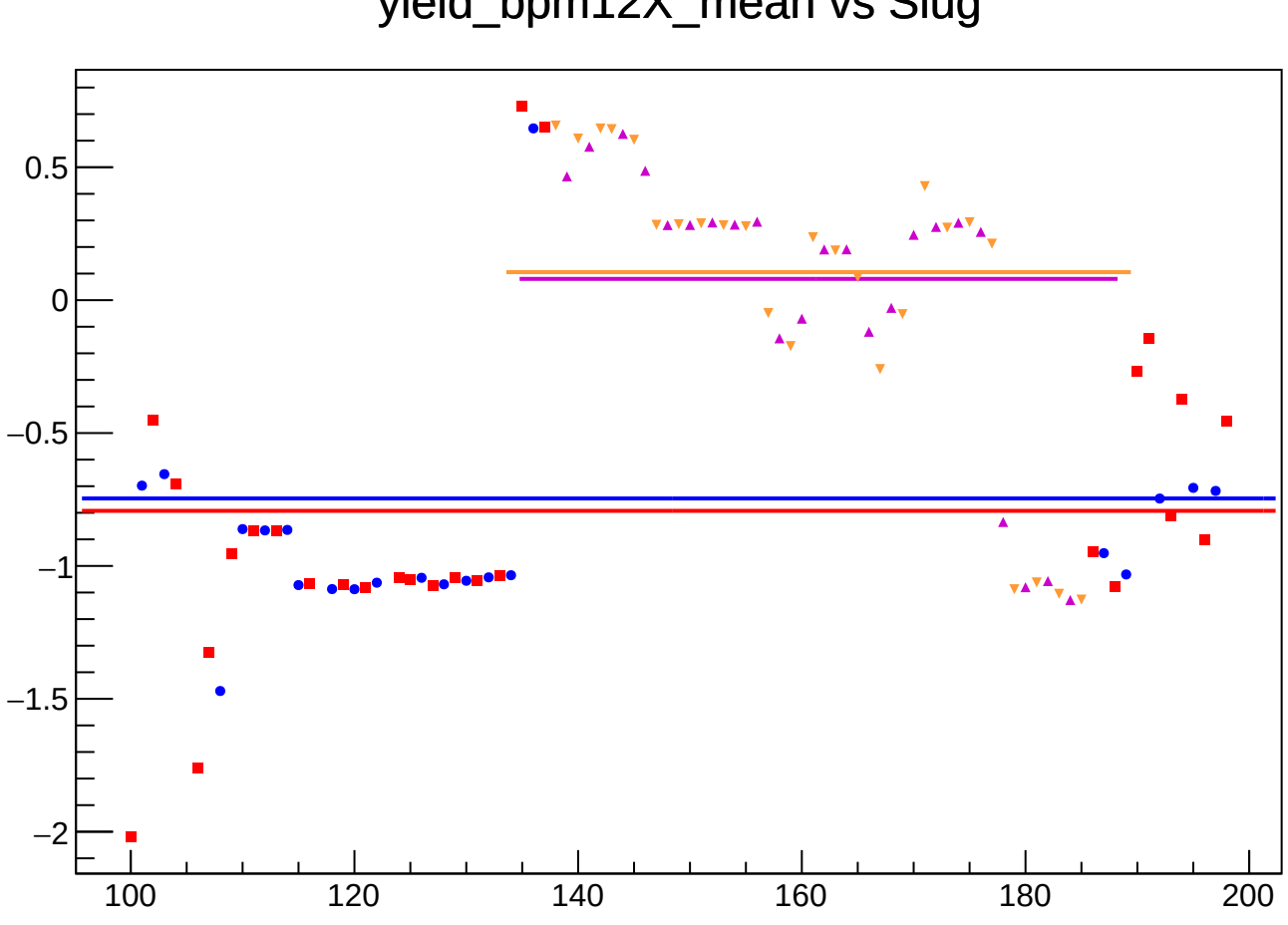
Right Out: 0.013+/-0.000 χ^2/NDF: 2658209.3/26

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5436338.8/45

All: 0.012+/-0.000 χ^2/NDF: 11980072.0/95

- sign 0.012+/-0.000 χ^2/NDF: 6509564.9/49



Right In: -0.746+/-0.000 χ^2/NDF: 2087569832.3/20

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.793+/-0.000 χ^2/NDF: 1985281167.1/26

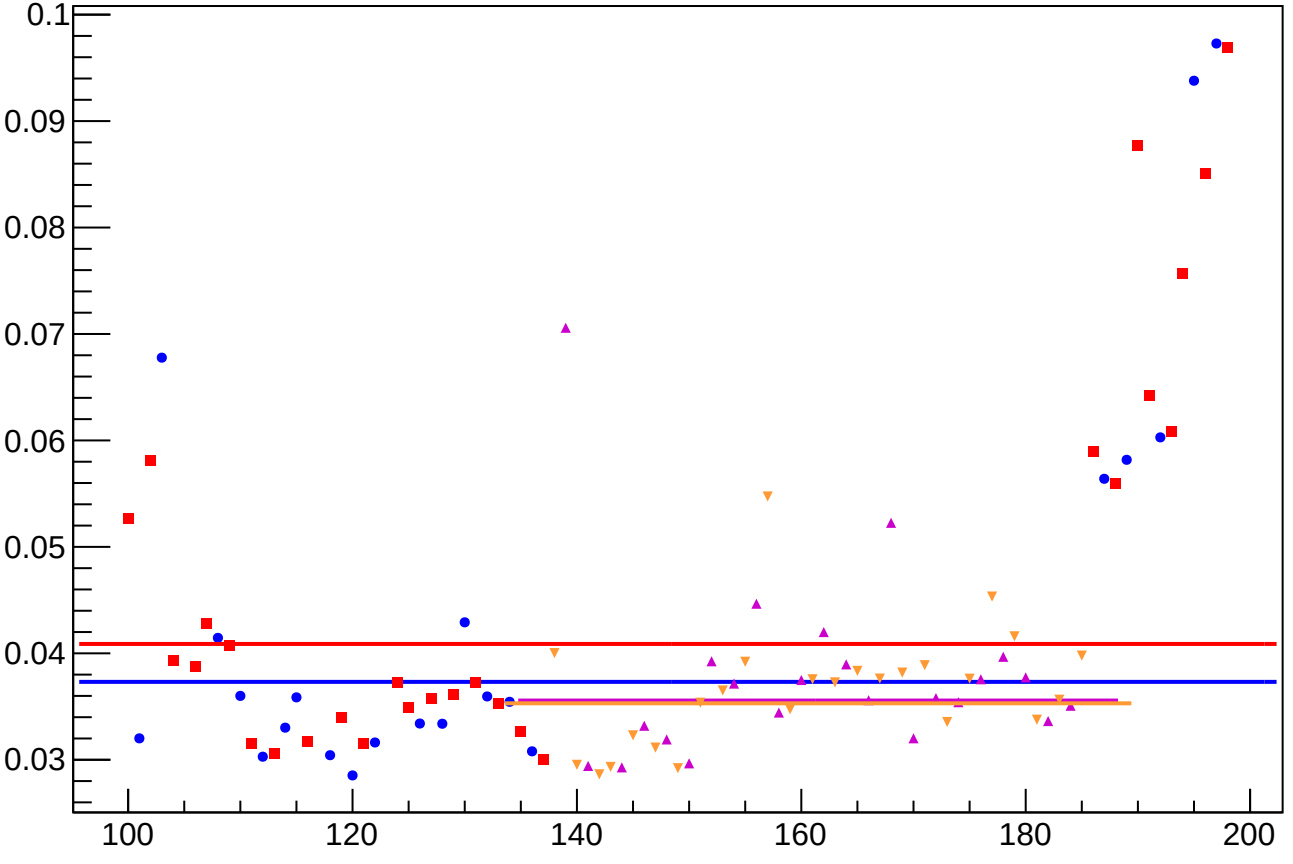
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.162+/-0.000 χ^2/NDF: 8951930357.5/45

All: -0.184+/-0.000 χ^2/NDF: 17408046134.6/

- sign -0.207+/-0.000 χ^2/NDF: 8437255060.6/49

yield_bpm12X_rms vs Slug



Right In: 0.037+/-0.000 χ^2/NDF: 2182366.9/20

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.041+/-0.000 χ^2/NDF: 2540966.8/26

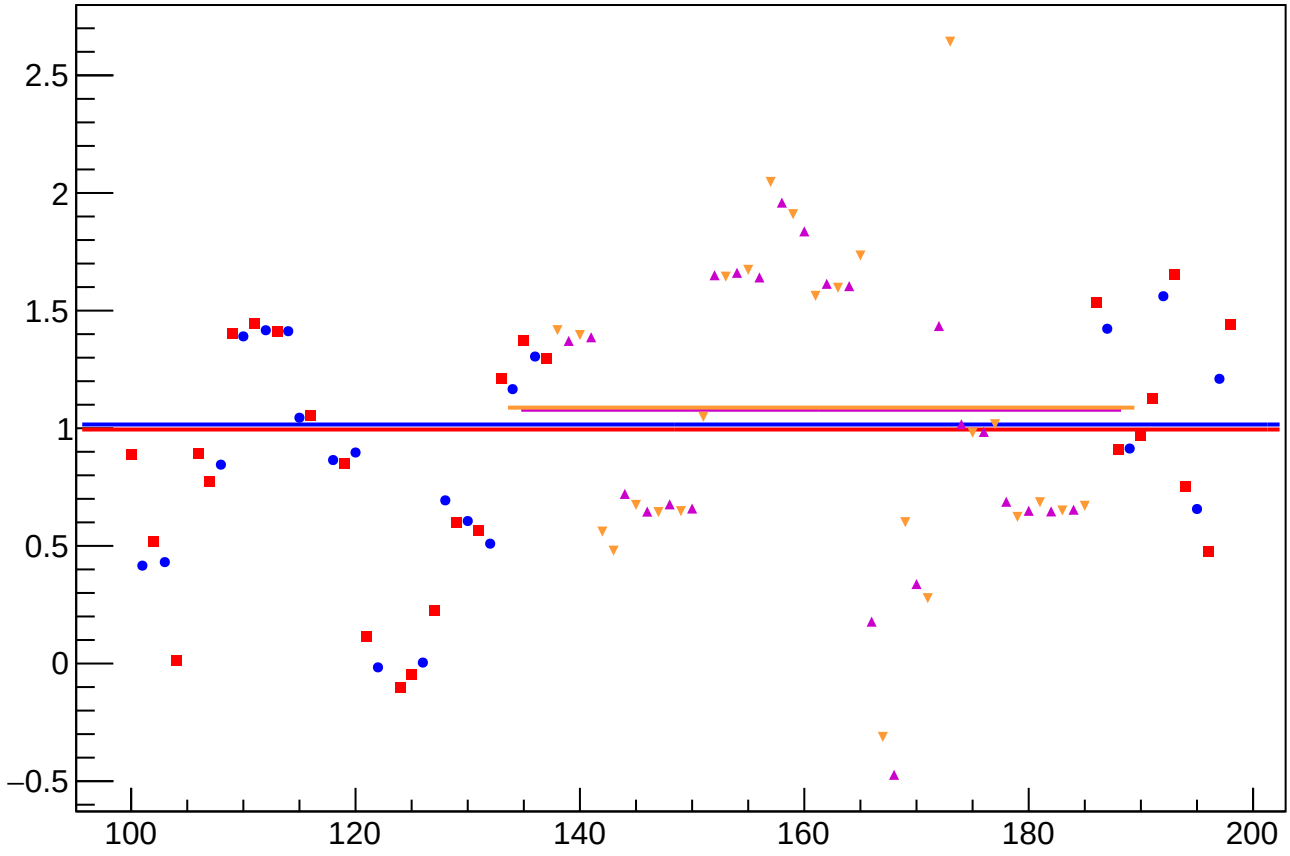
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.036+/-0.000 χ^2/NDF: 2829440.7/45

All: 0.037+/-0.000 χ^2/NDF: 6603547.7/95

- sign 0.037+/-0.000 χ^2/NDF: 3737725.3/49

yield_bpm12Y_mean vs Slug



Right In: 1.016+/-0.000 χ^2/NDF: 20600506572.6/20

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.995+/-0.000 χ^2/NDF: 30370798631.6/26

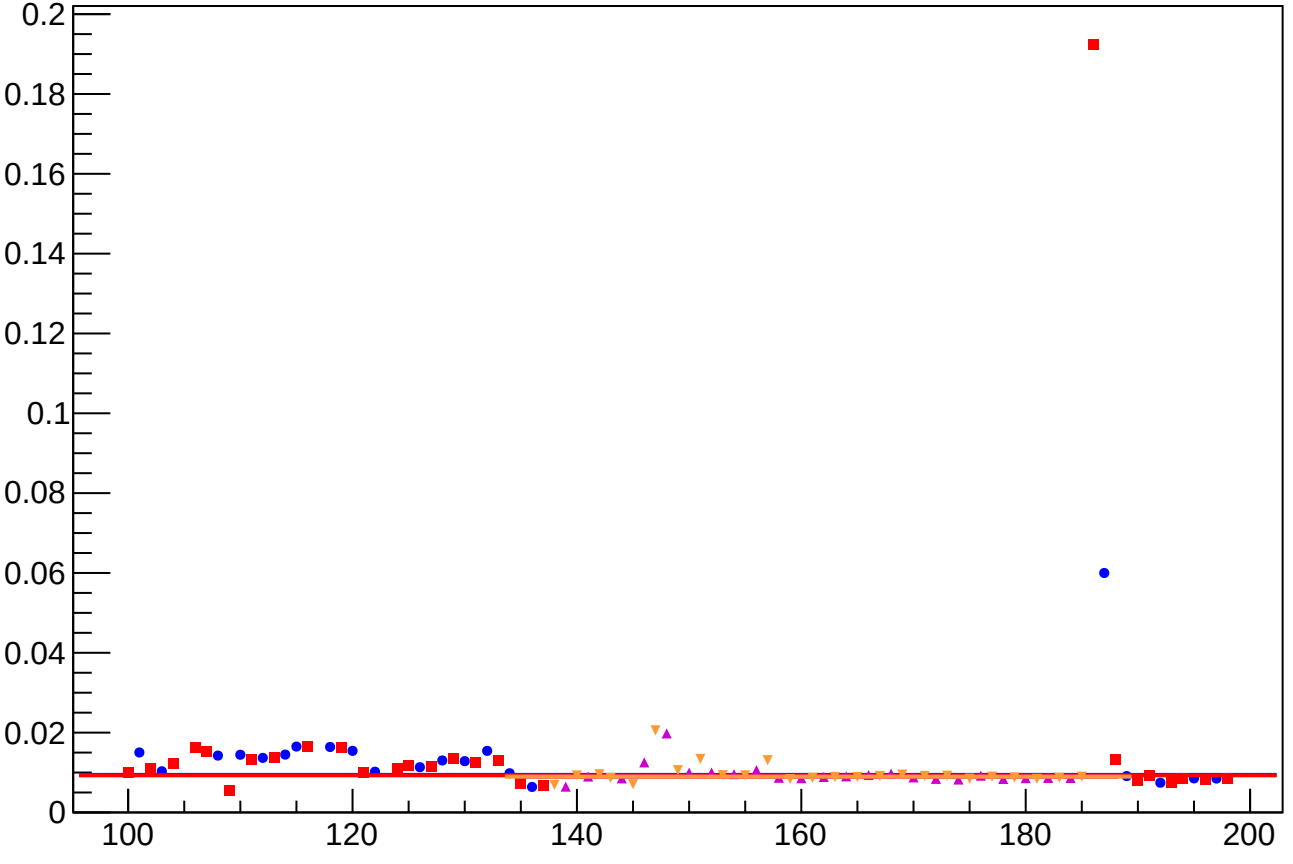
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.066+/-0.000 χ^2/NDF: 114806352588.4/45

All: 1.057+/-0.000 χ^2/NDF: 219849261436.0

- sign 1.048+/-0.000 χ^2/NDF: 104993539503.4/49

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1866714.7/20

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2371647.6/26

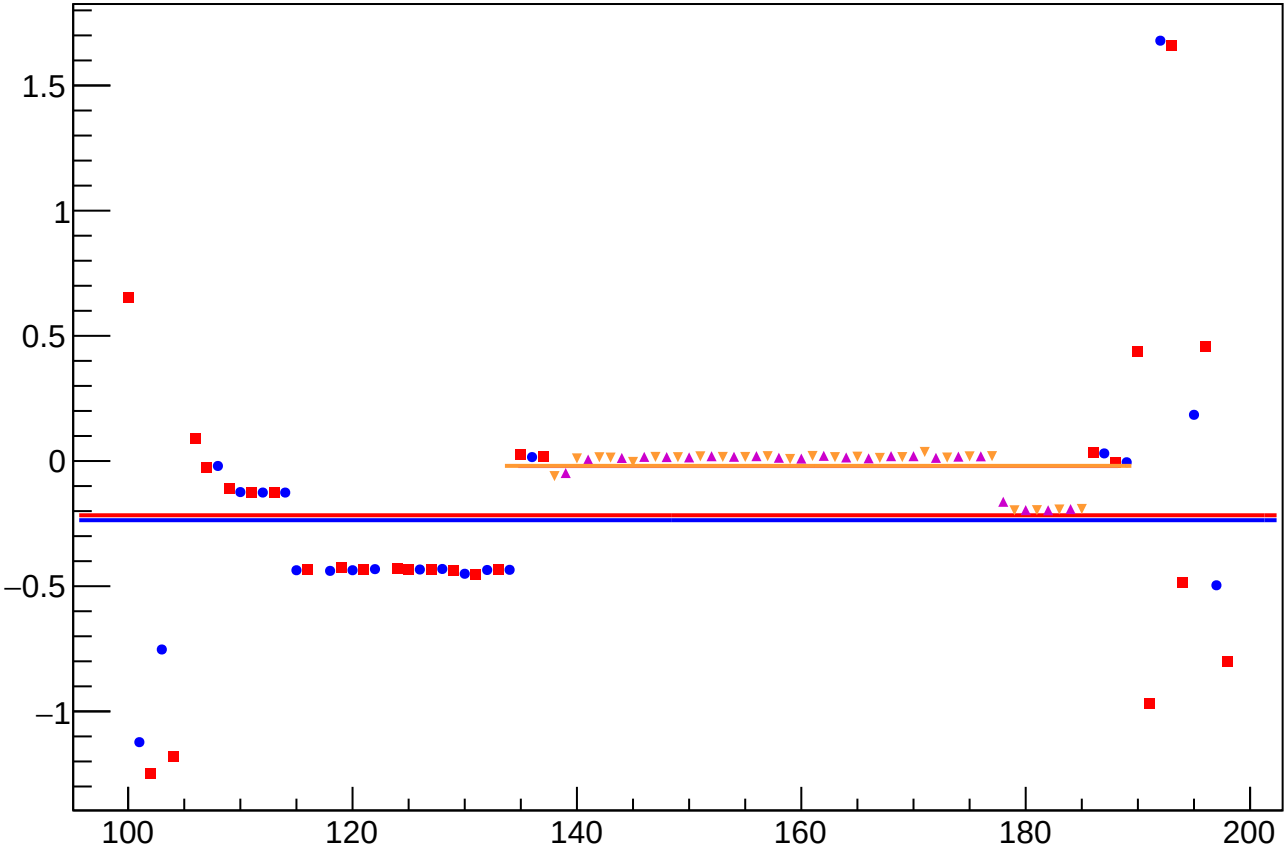
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3039408.3/45

All: 0.009+/-0.000 χ^2/NDF: 6397408.6/95

- sign 0.009+/-0.000 χ^2/NDF: 3357684.2/49

yield_bpm16X_mean vs Slug



Right In: -0.236+/-0.000 χ^2/NDF: 3028033751.0/20

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.217+/-0.000 χ^2/NDF: 2737113219.2/26

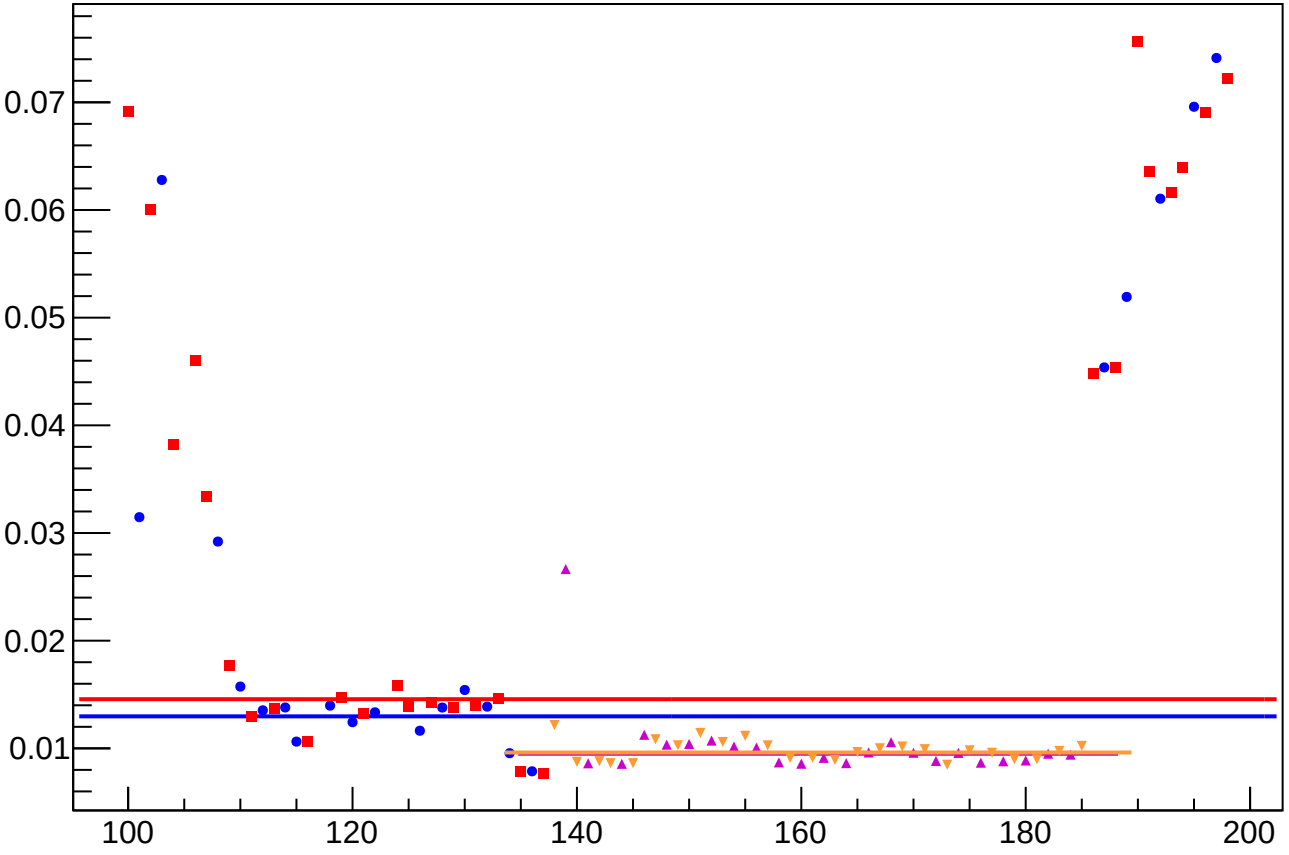
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.056+/-0.000 χ^2/NDF: 5507758268.3/45

All: -0.054+/-0.000 χ^2/NDF: 10304146228.2/

- sign -0.052+/-0.000 χ^2/NDF: 4794882936.8/49

yield_bpm16X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 6104451.3/20

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 8308400.2/26

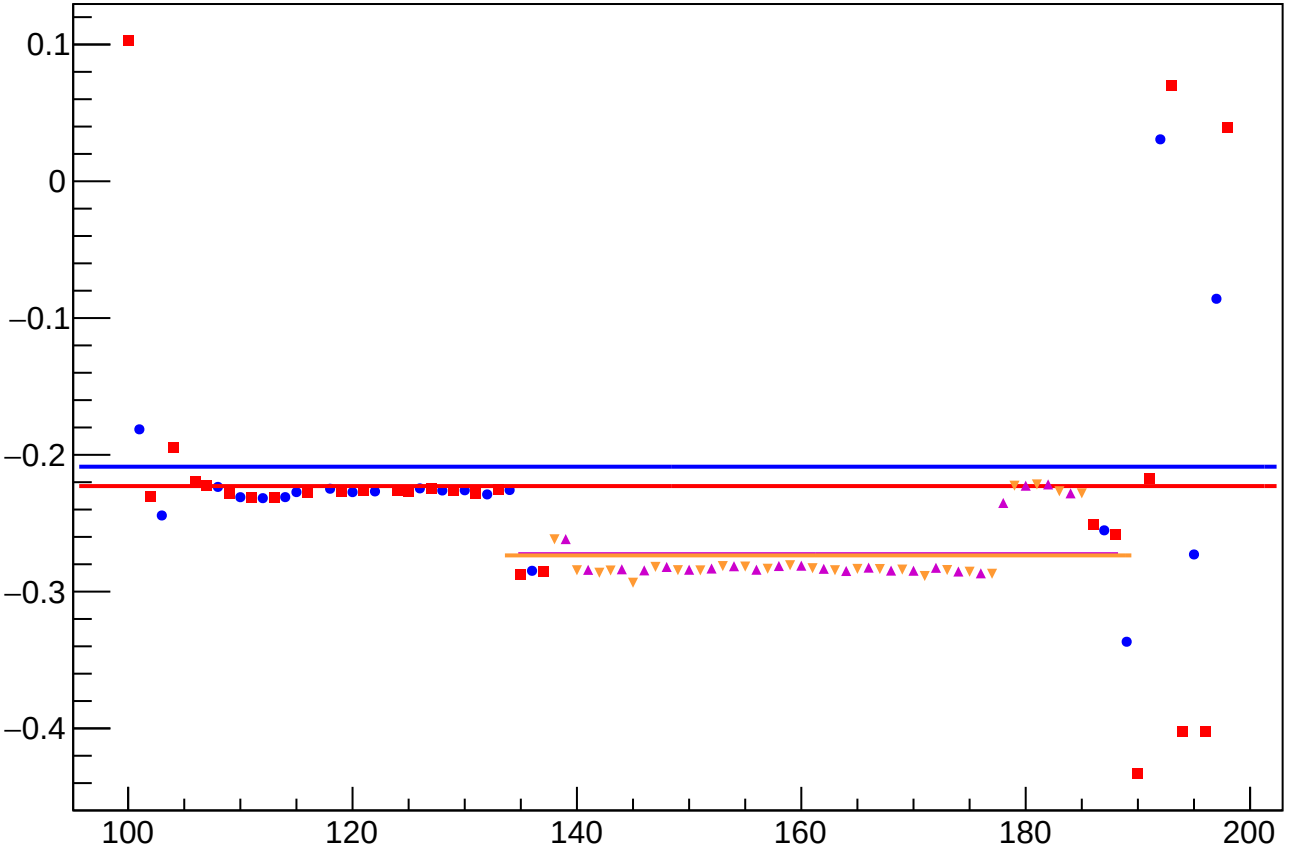
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 7055767.8/45

All: 0.010+/-0.000 χ^2/NDF: 17694453.2/95

- sign 0.010+/-0.000 χ^2/NDF: 10634336.8/49

yield_bpm16Y_mean vs Slug



Right In: -0.209+/-0.000 χ^2/NDF: 2586390724.0/20

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.223+/-0.000 χ^2/NDF: 5774470089.5/26

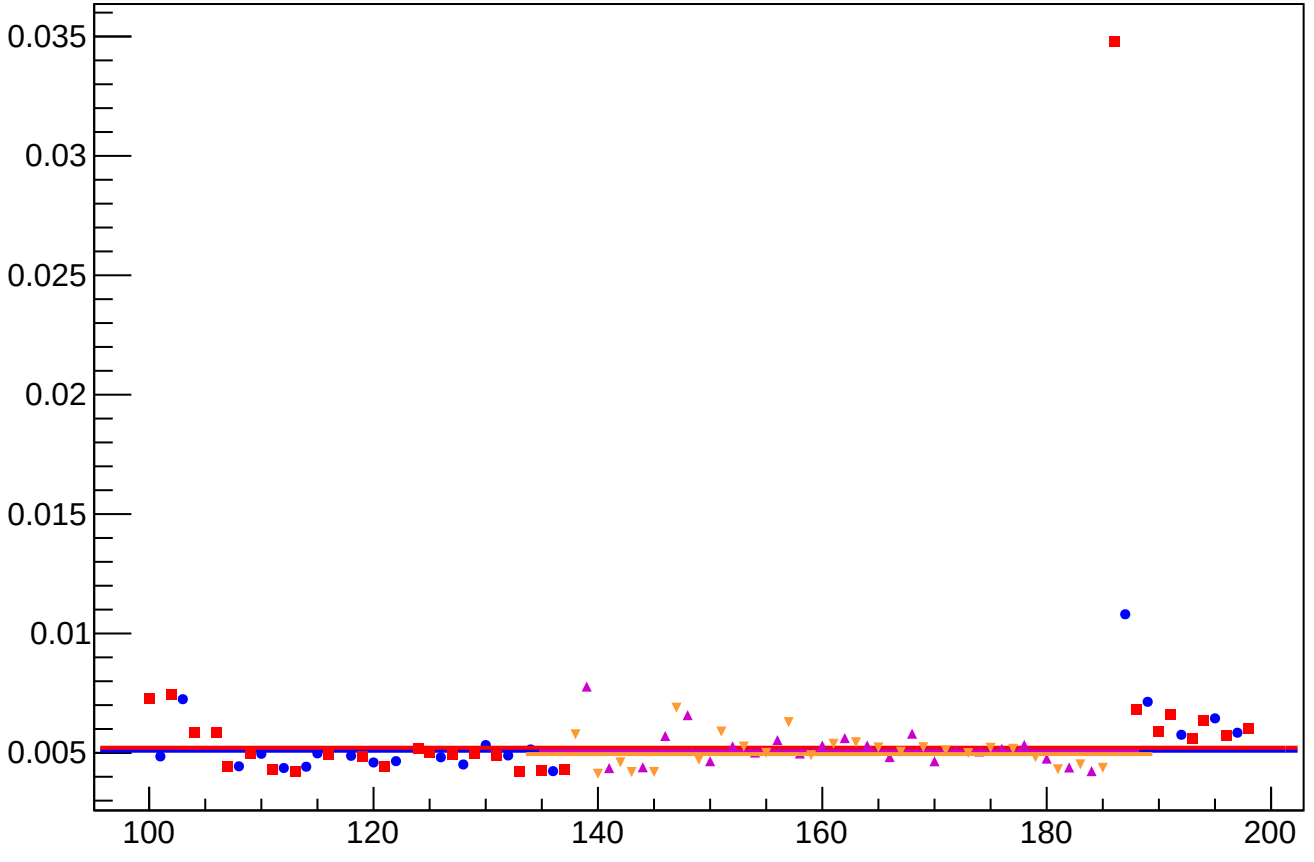
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.252+/-0.000 χ^2/NDF: 4009768409.9/45

All: -0.253+/-0.000 χ^2/NDF: 10755174766.4/

- sign -0.254+/-0.000 χ^2/NDF: 6744172898.5/49

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 555579.2/20

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

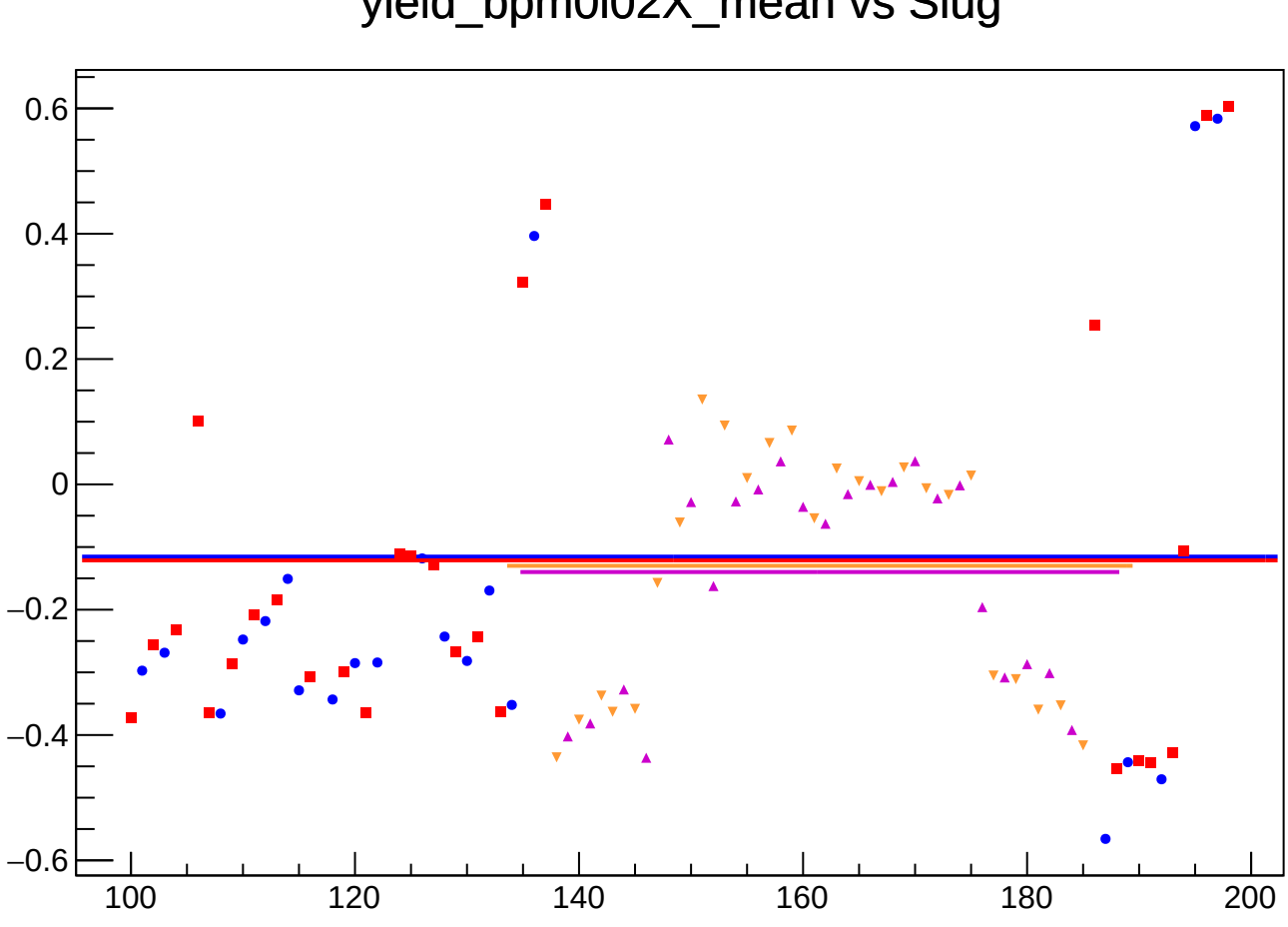
Right Out: 0.005+/-0.000 χ^2/NDF: 1179741.5/26

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1093890.9/45

All: 0.005+/-0.000 χ^2/NDF: 2842182.3/95

- sign 0.005+/-0.000 χ^2/NDF: 1730543.6/49



Right In: -0.115+/-0.000 χ^2/NDF: 30134346493.7/20

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.121+/-0.000 χ^2/NDF: 31285709941.2/26

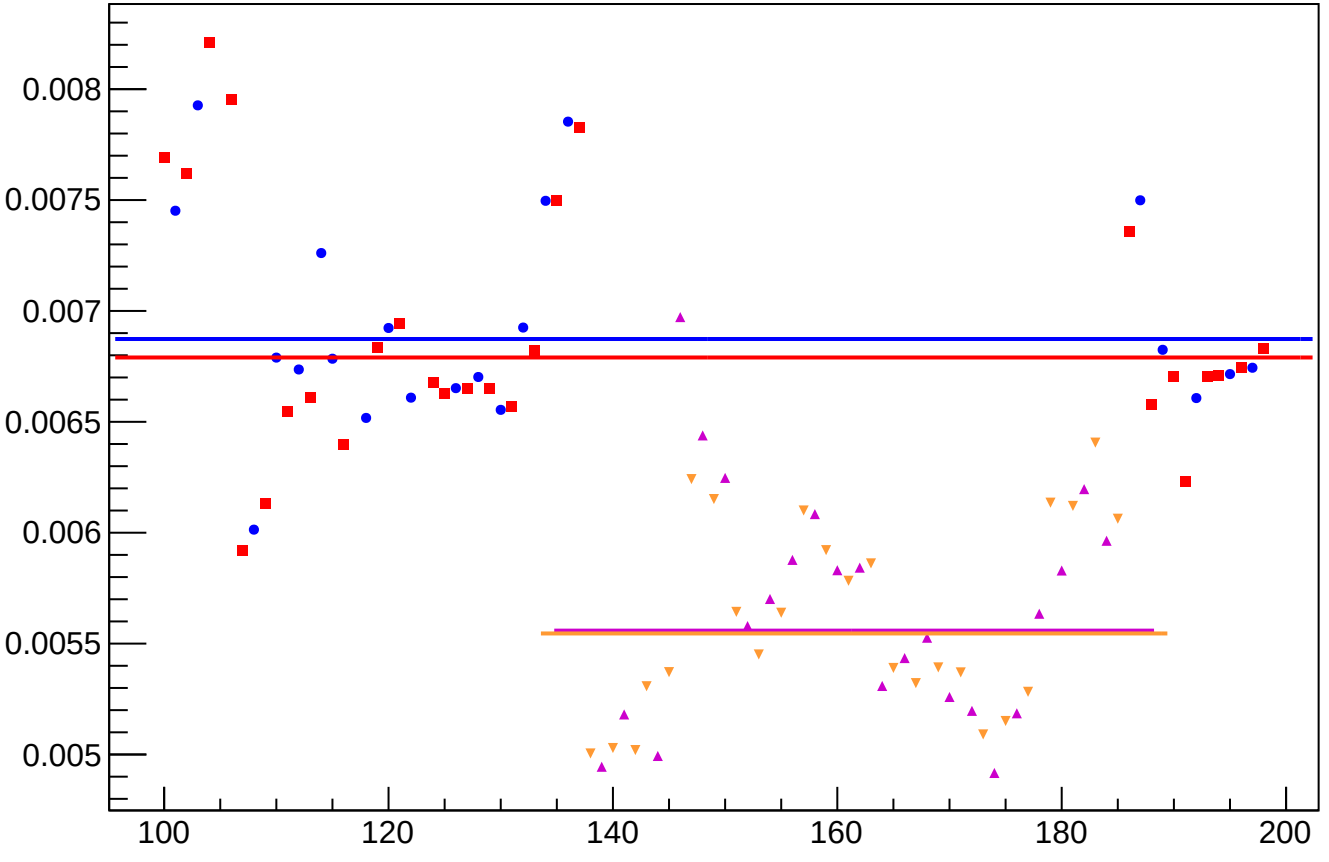
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.126+/-0.000 χ^2/NDF: 51664929201.0/45

All: -0.130+/-0.000 χ^2/NDF: 98187863457.0/

- sign -0.134+/-0.000 χ^2/NDF: 46497900344.9/49

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 93808.1/20

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

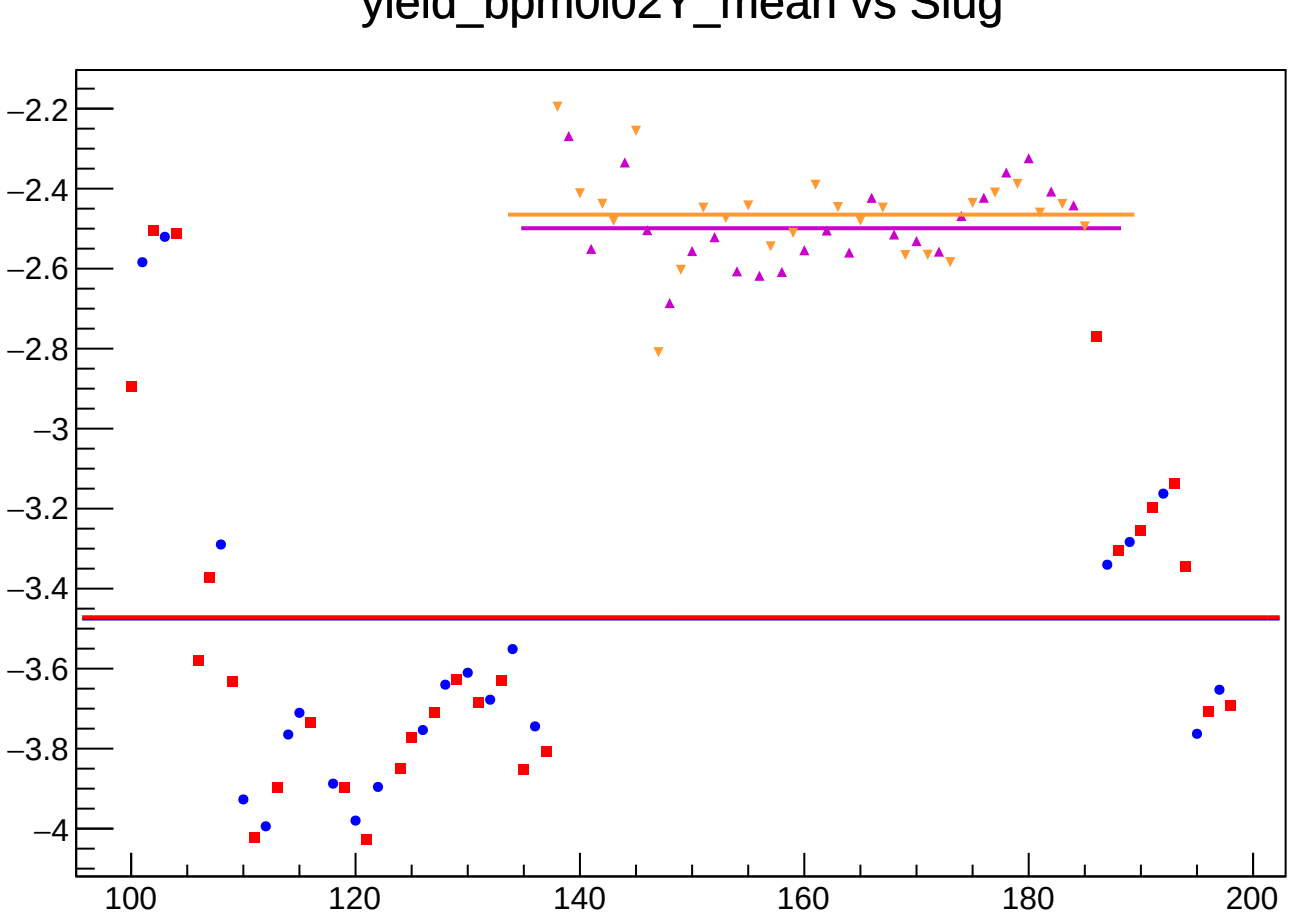
Right Out: 0.007+/-0.000 χ^2/NDF: 112187.6/26

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 863050.8/45

All: 0.006+/-0.000 χ^2/NDF: 1792237.9/95

- sign 0.006+/-0.000 χ^2/NDF: 926565.5/49



Right In: -3.475+/-0.000 χ^2/NDF: 31185806447.7/20

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.472+/-0.000 χ^2/NDF: 33232938434.6/26

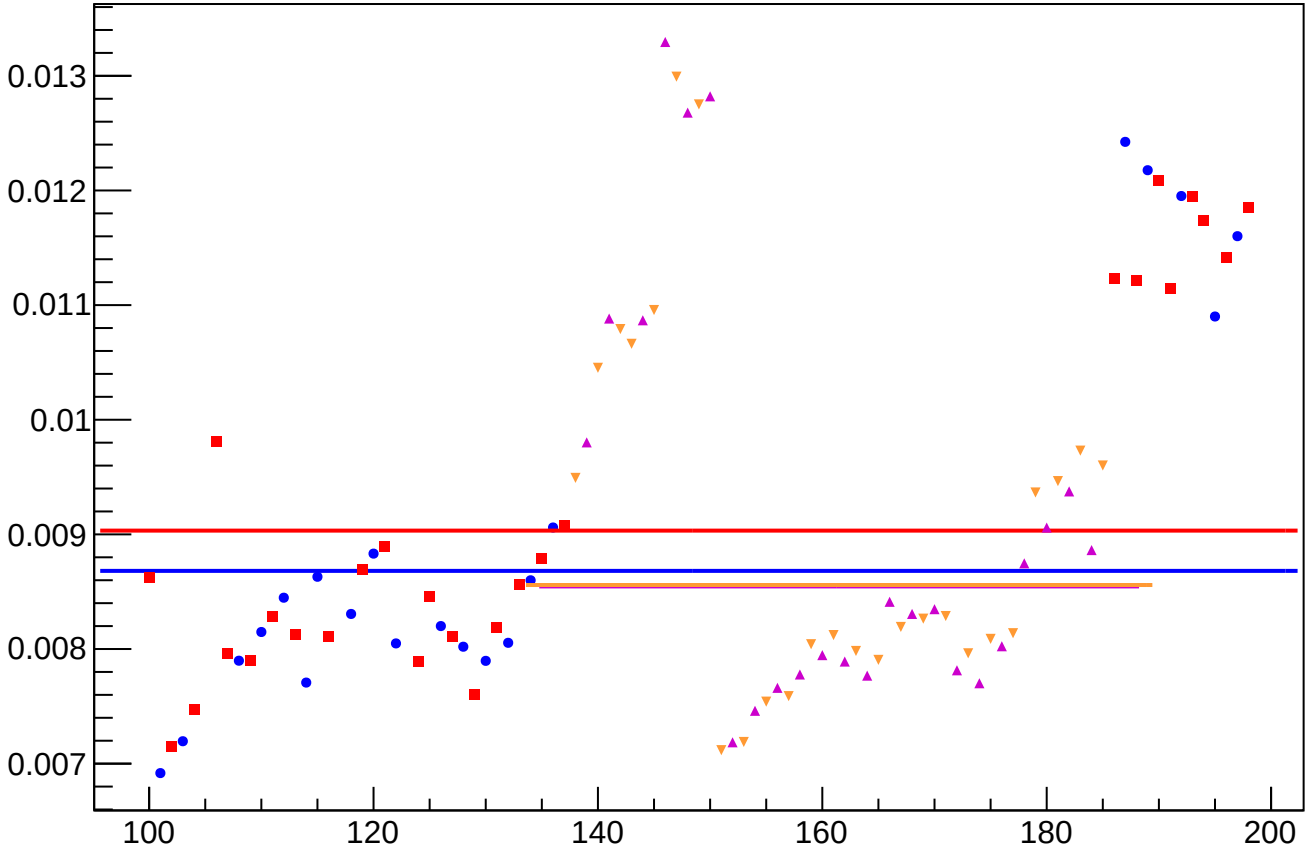
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.819+/-0.000 χ^2/NDF: 121654073594.7/45

All: -2.847+/-0.000 χ^2/NDF: 243131633630.6

- sign -2.874+/-0.000 χ^2/NDF: 120901295175.7/49

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 619321.0/20

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 766260.7/26

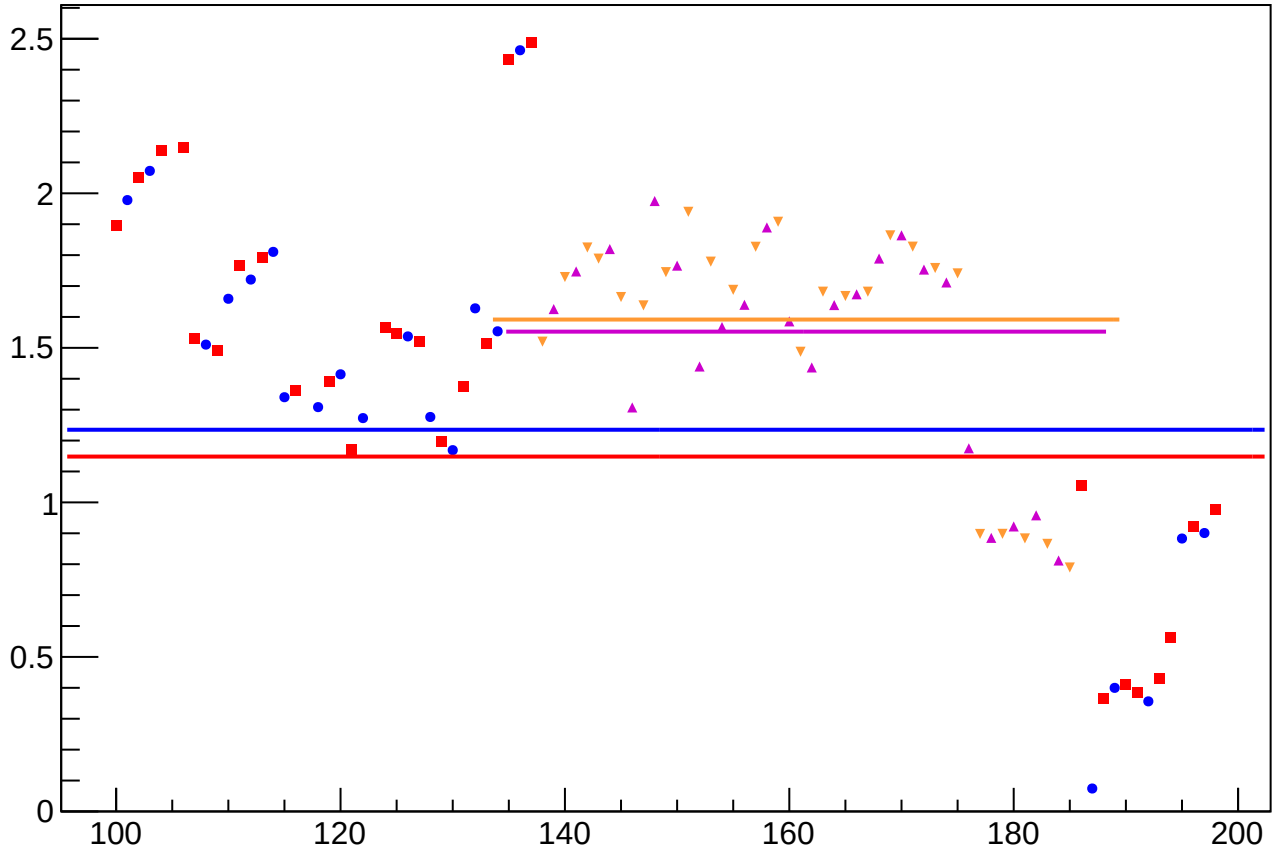
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1445981.3/45

All: 0.009+/-0.000 χ^2/NDF: 3172472.6/95

- sign 0.009+/-0.000 χ^2/NDF: 1719837.5/49

yield_bpm0i02aX_mean vs Slug



Right In: 1.235+/-0.000 χ^2/NDF: 28038103701.8/20

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.148+/-0.000 χ^2/NDF: 33927188242.6/26

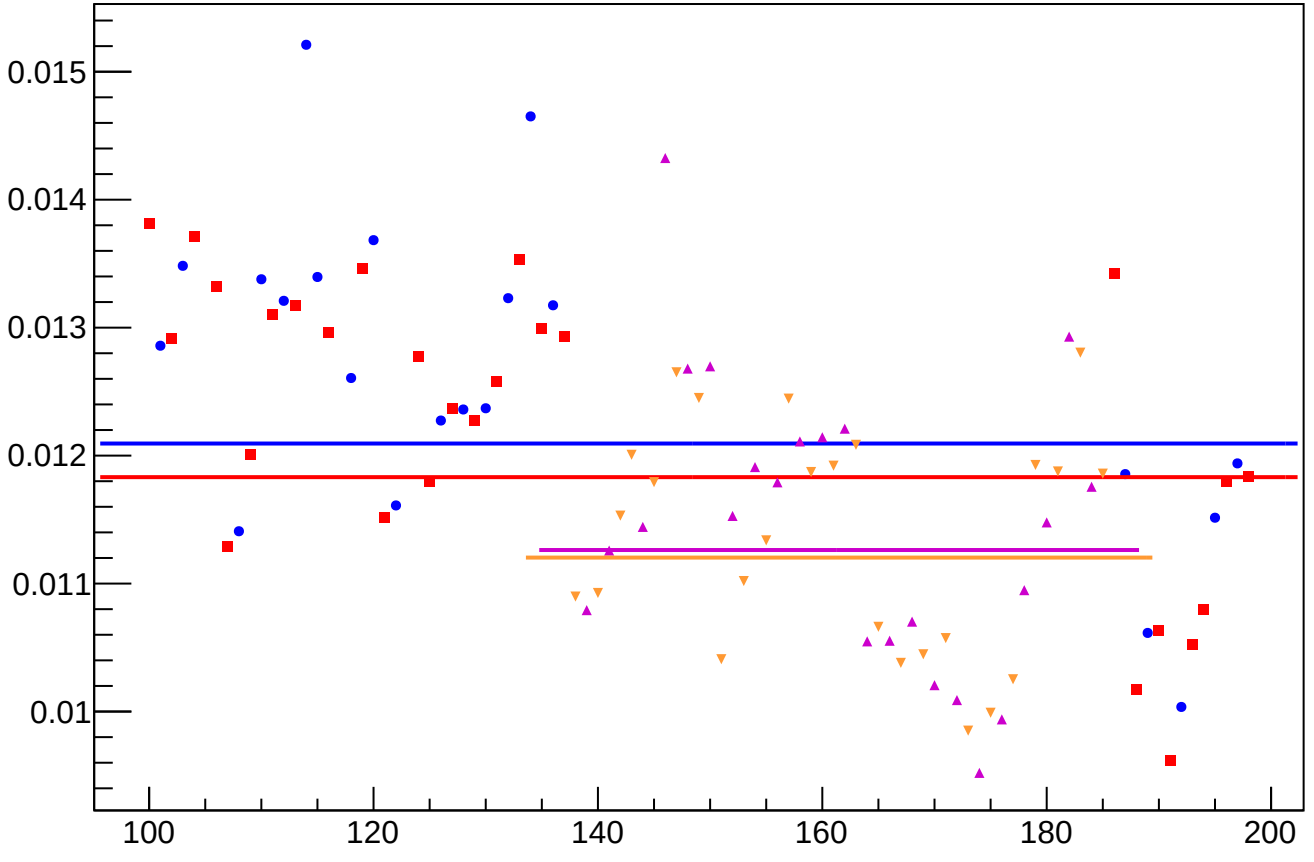
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.476+/-0.000 χ^2/NDF: 51173381418.3/45

All: 1.434+/-0.000 χ^2/NDF: 108659793587.3

- sign 1.394+/-0.000 χ^2/NDF: 56739130731.7/49

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 205001.4/20

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 245011.6/26

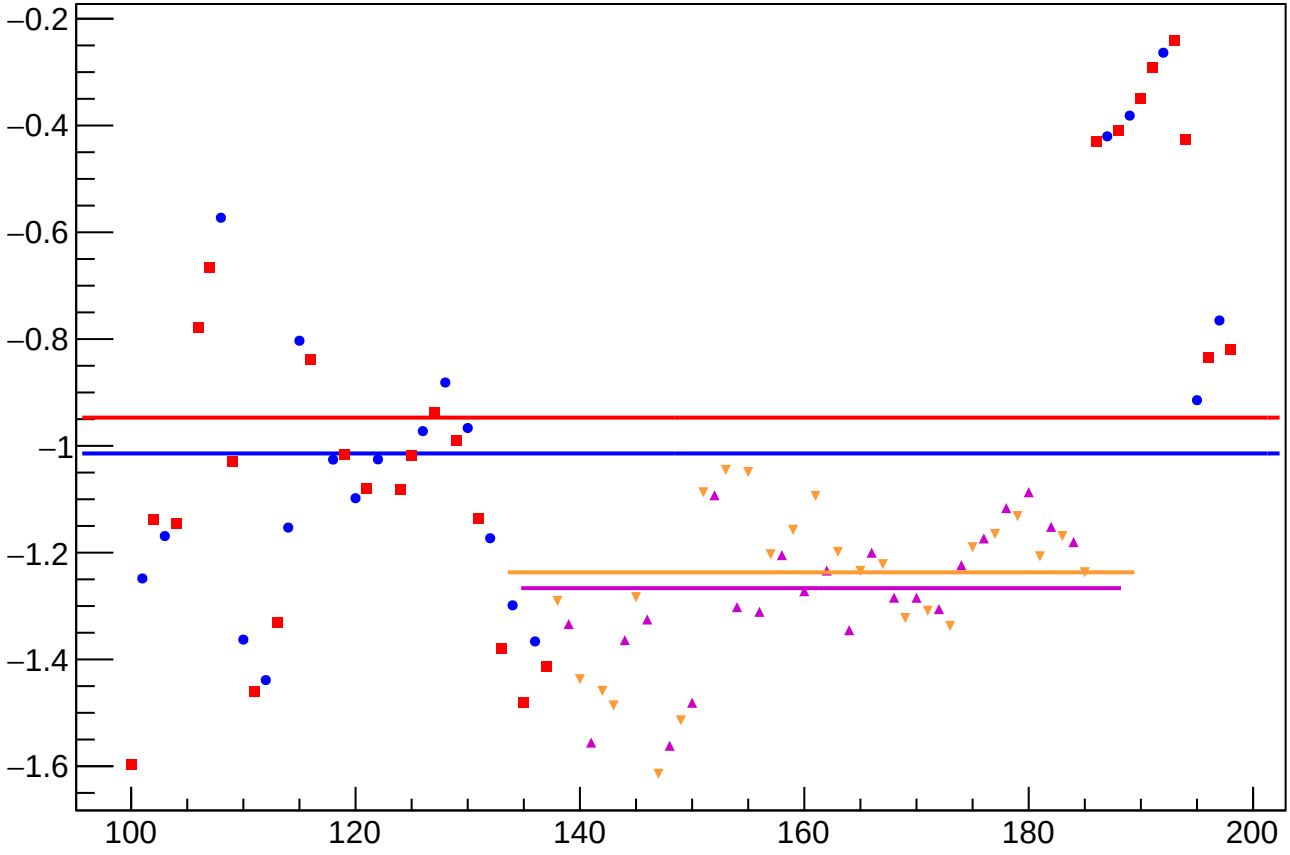
Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.011+/-0.000 χ^2/NDF: 504283.7/45

All: 0.011+/-0.000 χ^2/NDF: 1095720.7/95

- sign 0.011+/-0.000 χ^2/NDF: 591428.6/49

yield_bpm0i02aY_mean vs Slug



Right In: -1.014+/-0.000 χ^2/NDF: 11308196001.2/20

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.947+/-0.000 χ^2/NDF: 16511177678.9/26

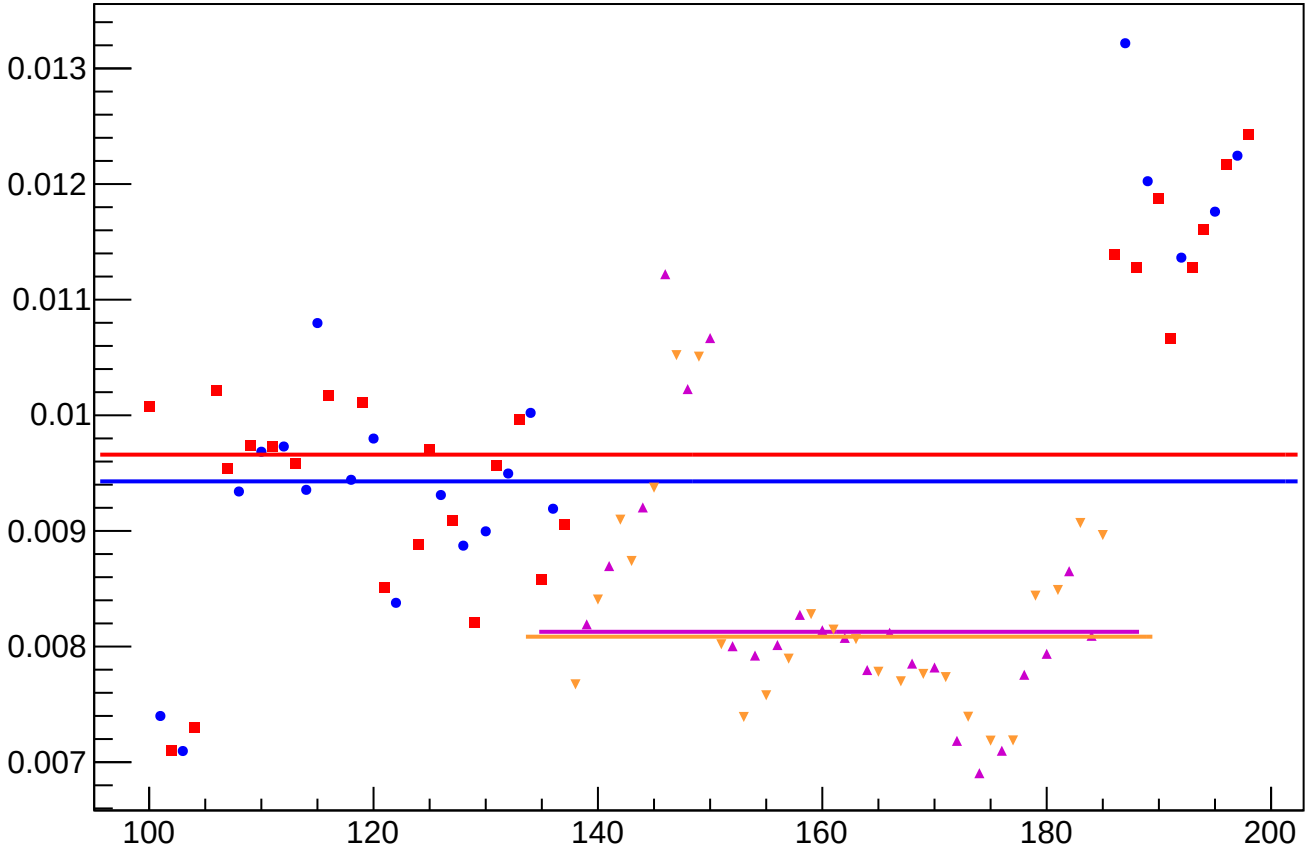
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.173+/-0.000 χ^2/NDF: 20237916912.2/45

All: -1.167+/-0.000 χ^2/NDF: 49176198321.9/

- sign -1.161+/-0.000 χ^2/NDF: 28912773280.3/49

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 532580.4/20

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

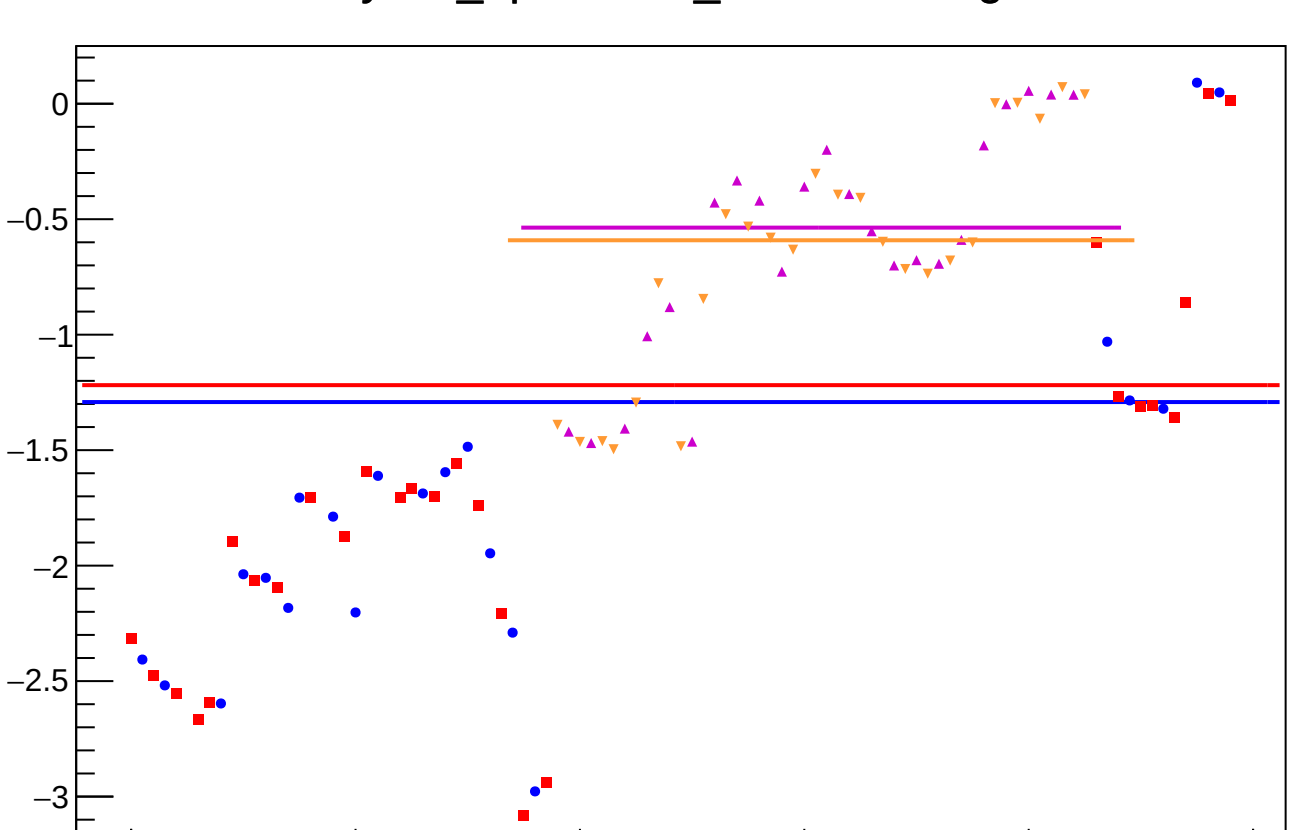
Right Out: 0.010+/-0.000 χ^2/NDF: 649203.9/26

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 1147484.7/45

All: 0.009+/-0.000 χ^2/NDF: 2617286.4/95

- sign 0.009+/-0.000 χ^2/NDF: 1459863.7/49



Right In: -1.292+/-0.000 χ^2/NDF: 221190274722.8/20

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.219+/-0.000 χ^2/NDF: 246005529422.4/26

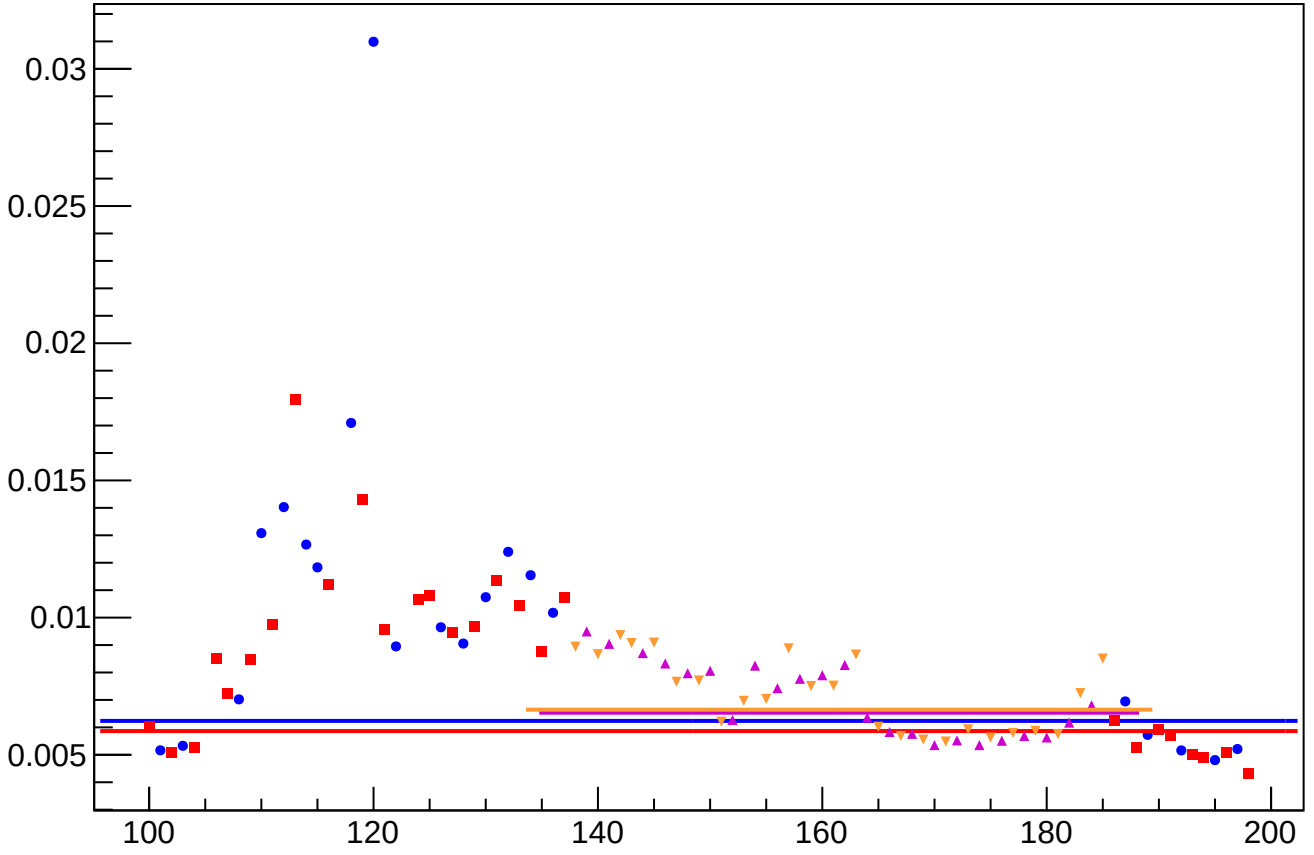
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.836+/-0.000 χ^2/NDF: 358927789554.5/45

All: -0.836+/-0.000 χ^2/NDF: 751016097840.9

- sign -0.836+/-0.000 χ^2/NDF: 392088300499.0/49

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2346048.0/20

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

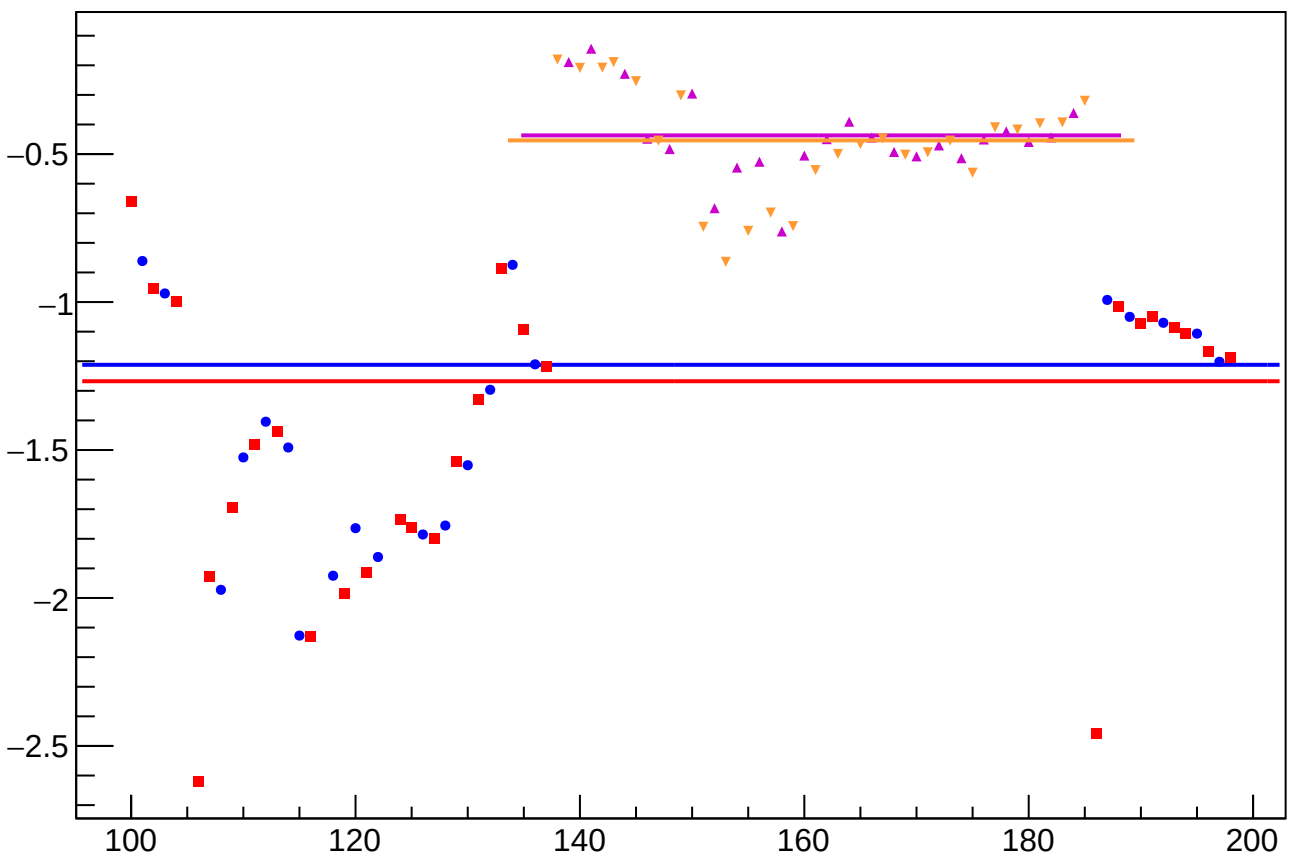
Right Out: 0.006+/-0.000 χ^2/NDF: 2292327.7/26

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 3482453.4/45

All: 0.006+/-0.000 χ^2/NDF: 7114624.1/95

- sign 0.006+/-0.000 χ^2/NDF: 3589766.3/49



Right In: -1.212+/-0.000 χ^2/NDF: 27026419770.0/20

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.268+/-0.000 χ^2/NDF: 71293036296.8/26

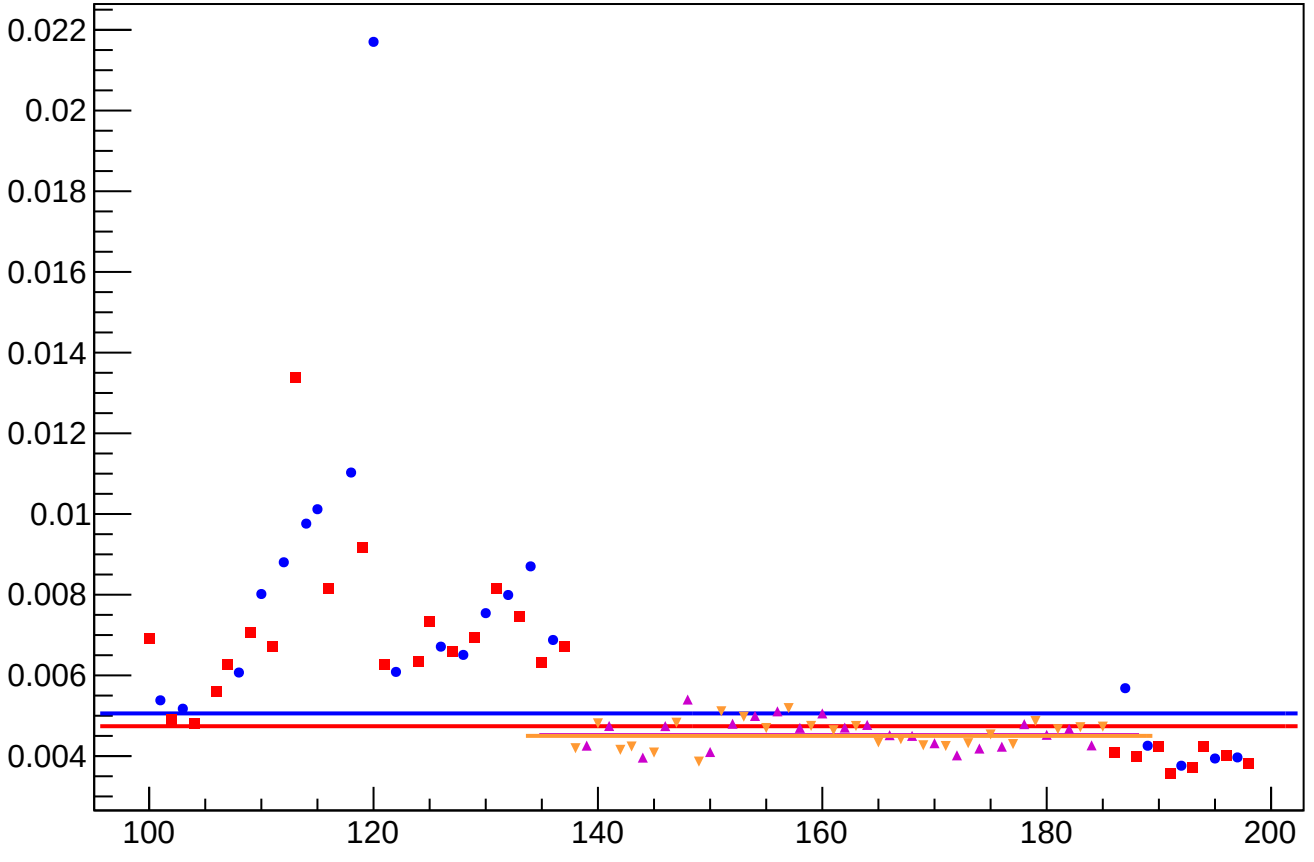
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.658+/-0.000 χ^2/NDF: 191298275287.5/45

All: -0.699+/-0.000 χ^2/NDF: 485625511548.9

- sign -0.736+/-0.000 χ^2/NDF: 290601010331.4/49

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1824759.2/20

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

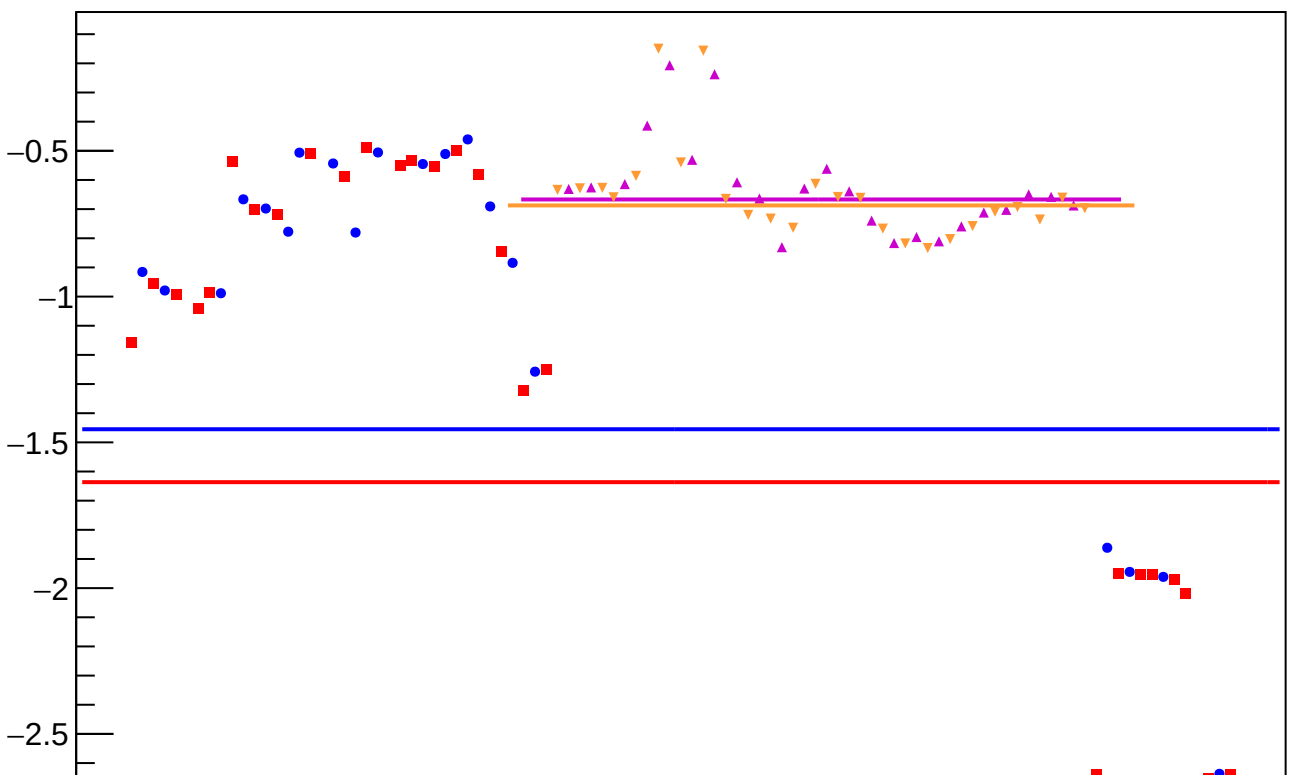
Right Out: 0.005+/-0.000 χ^2/NDF: 1721953.9/26

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2159633.1/45

All: 0.005+/-0.000 χ^2/NDF: 4125322.0/95

- sign 0.005+/-0.000 χ^2/NDF: 1962412.0/49



Right In: -1.455+/-0.000 χ^2/NDF: 166403295685.8/20

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.637+/-0.000 χ^2/NDF: 248655170852.0/26

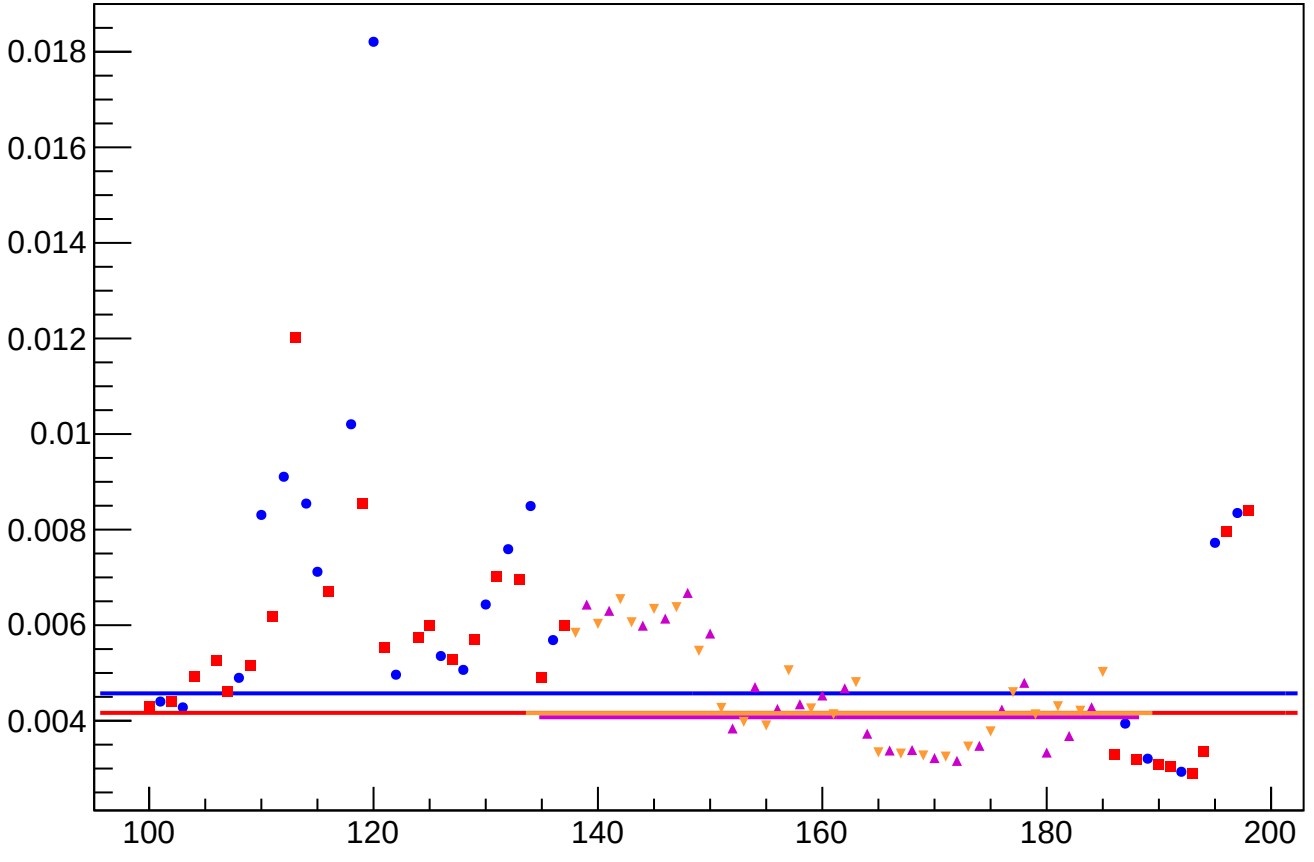
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.905+/-0.000 χ^2/NDF: 350364292027.9/45

All: -0.973+/-0.000 χ^2/NDF: 970935152946.6

- sign -1.033+/-0.000 χ^2/NDF: 608930435479.6/49

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2677587.0/20

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2746602.4/26

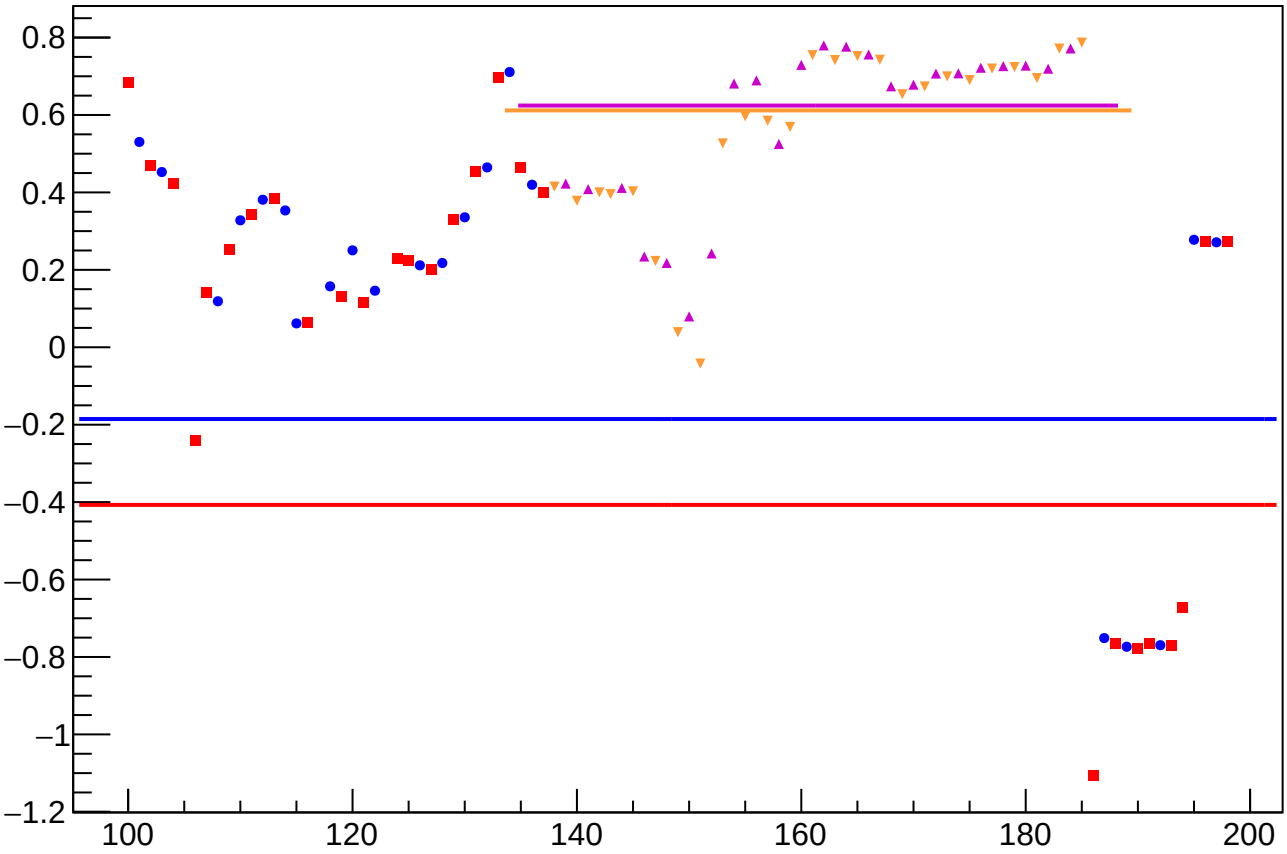
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 4291088.9/45

All: 0.004+/-0.000 χ^2/NDF: 8835593.3/95

- sign 0.004+/-0.000 χ^2/NDF: 4503033.6/49

yield_bpm0i07Y_mean vs Slug



Right In: -0.185+/-0.000 χ^2/NDF: 274841636985.0/20

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.407+/-0.000 χ^2/NDF: 416605488447.4/26

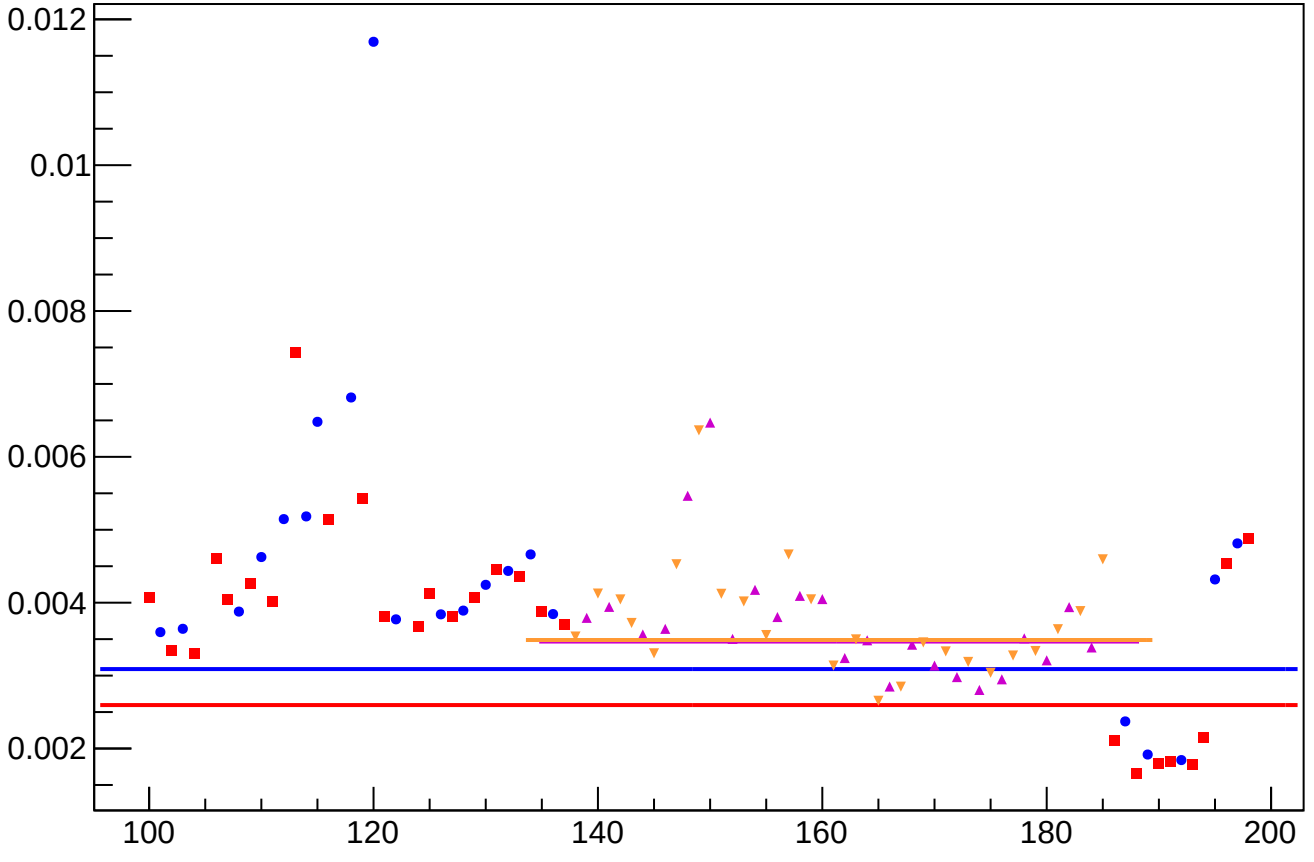
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.298+/-0.000 χ^2/NDF: 650393780734.8/45

All: 0.176+/-0.000 χ^2/NDF: 1880160837512.

- sign 0.078+/-0.000 χ^2/NDF: 1171330017751.0/49

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 2753106.0/20

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

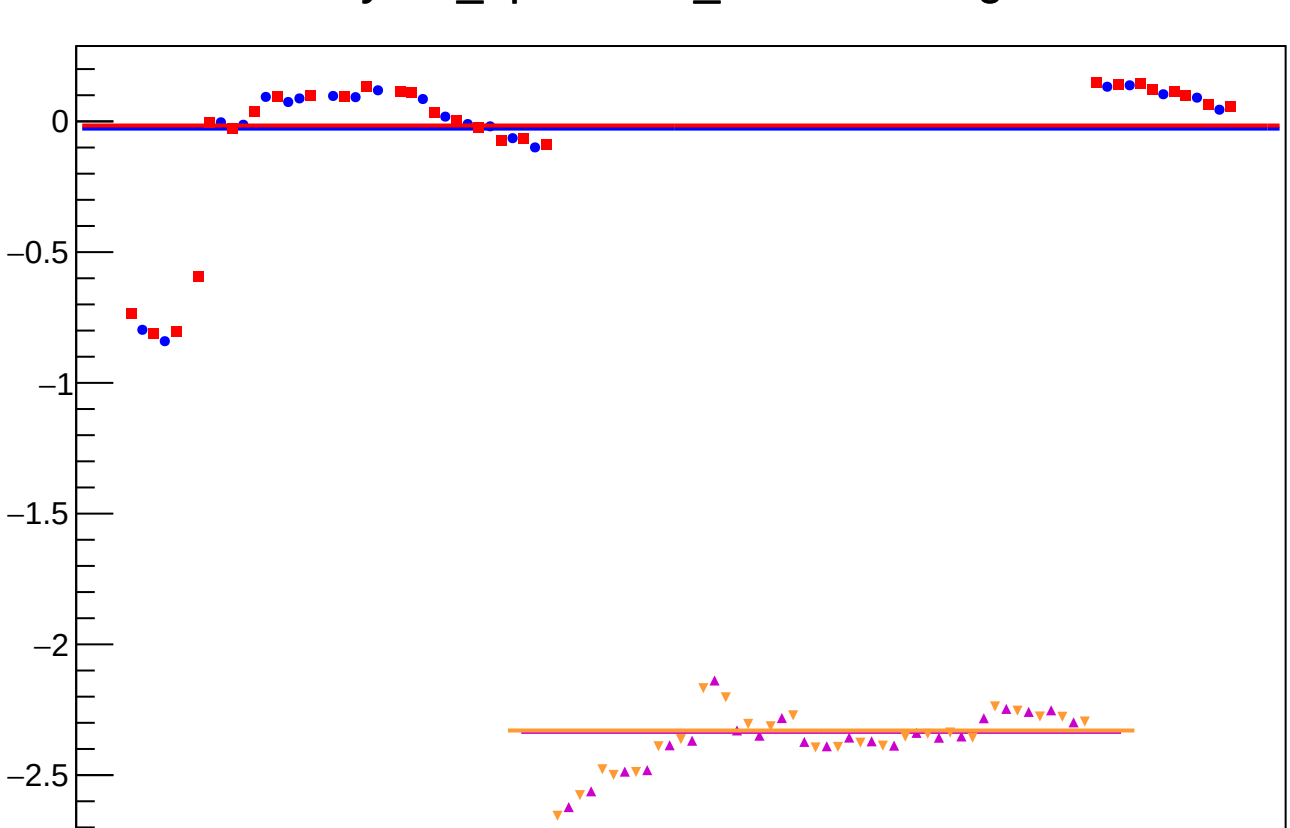
Right Out: 0.003+/-0.000 χ^2/NDF: 3662057.4/26

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 3768717.8/45

All: 0.003+/-0.000 χ^2/NDF: 9599047.5/95

- sign 0.003+/-0.000 χ^2/NDF: 5574722.5/49



Right In: -0.028+/-0.000 χ^2/NDF: 6276841938.4/20

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.016+/-0.000 χ^2/NDF: 7629812763.4/26

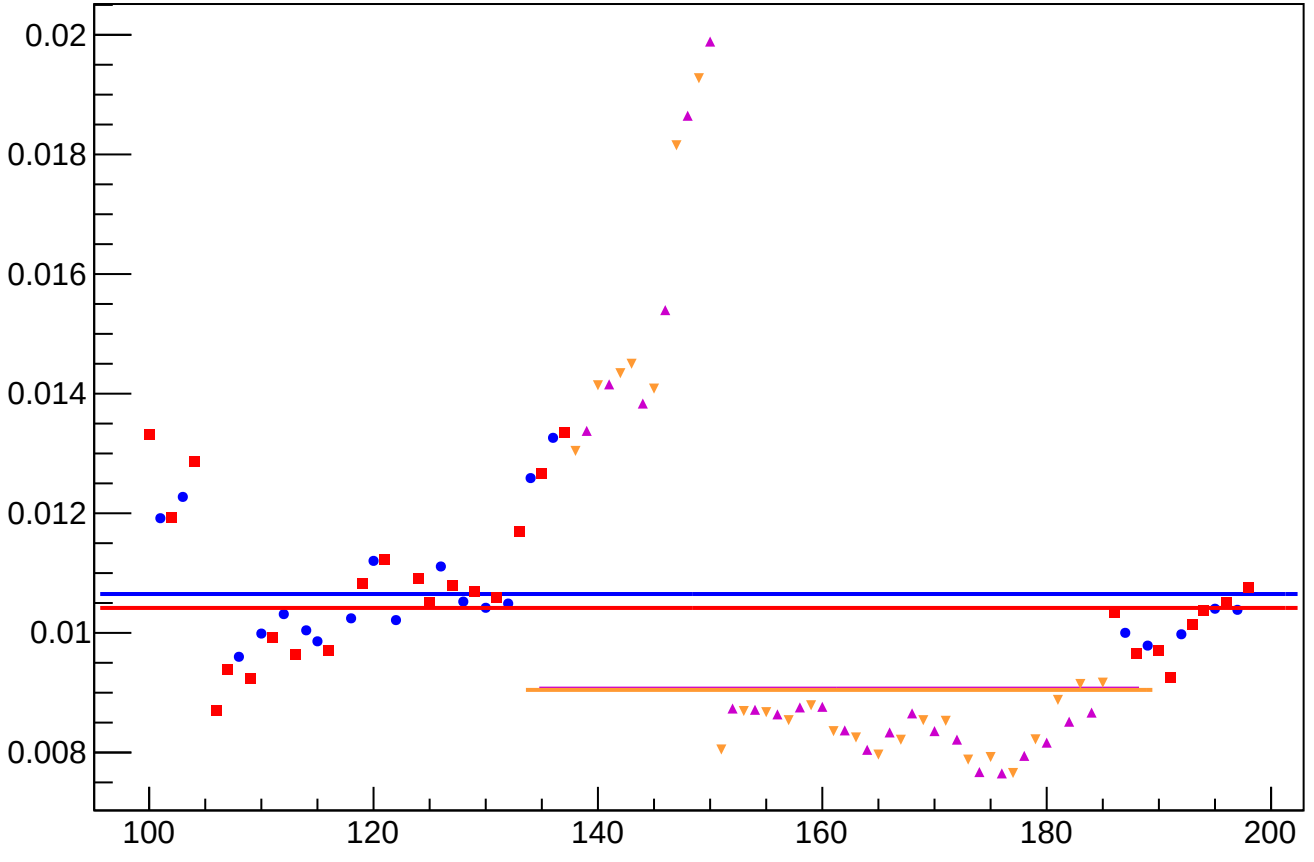
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.653+/-0.000 χ^2/NDF: 354280346540.7/45

All: -1.577+/-0.000 χ^2/NDF: 769453870135.3

- sign -1.503+/-0.000 χ^2/NDF: 411595300818.0/49

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 166323.0/20

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 222636.1/26

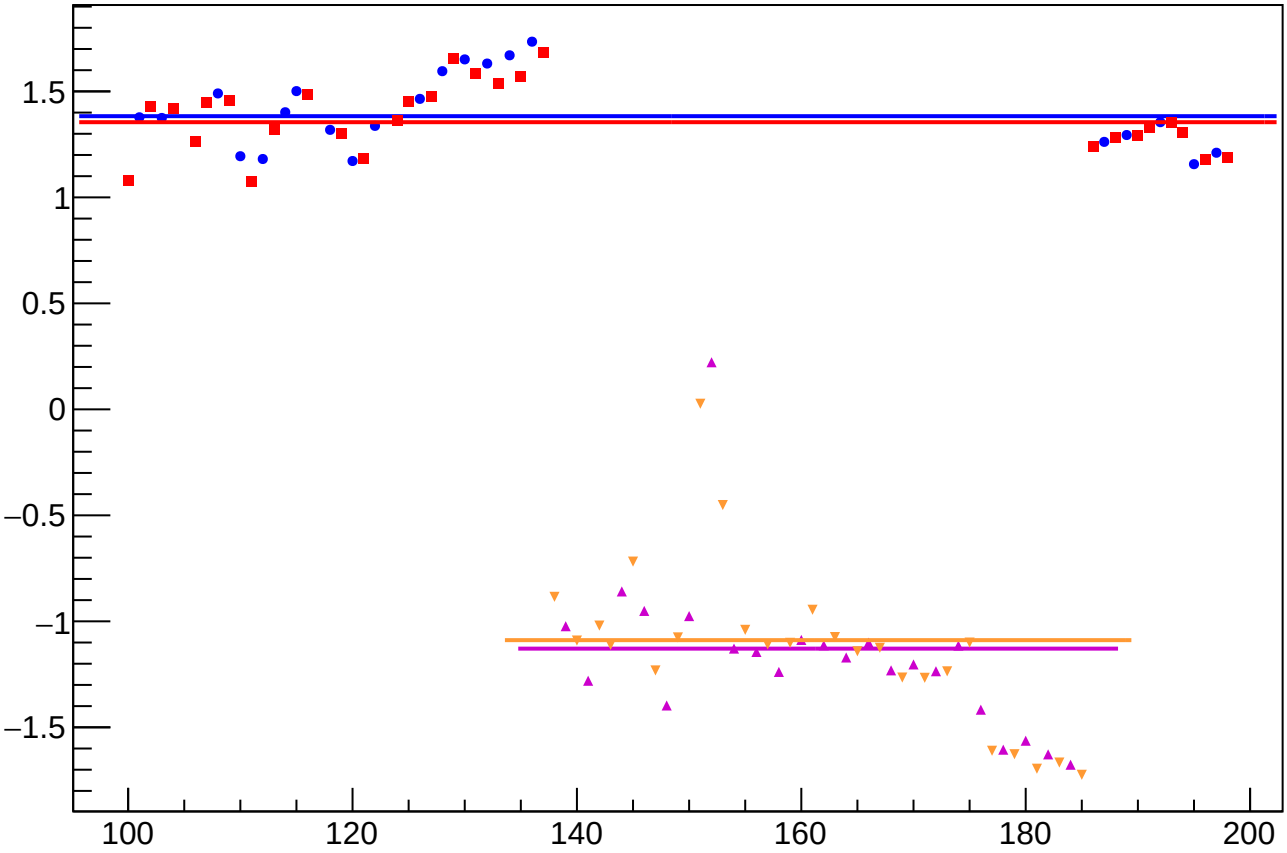
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2550799.7/45

All: 0.010+/-0.000 χ^2/NDF: 5180356.1/95

- sign 0.010+/-0.000 χ^2/NDF: 2629195.0/49

yield_bpm1i02Y_mean vs Slug



Right In: 1.383+/-0.000 χ^2/NDF: 5587523132.9/20

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.355+/-0.000 χ^2/NDF: 4404108174.4/26

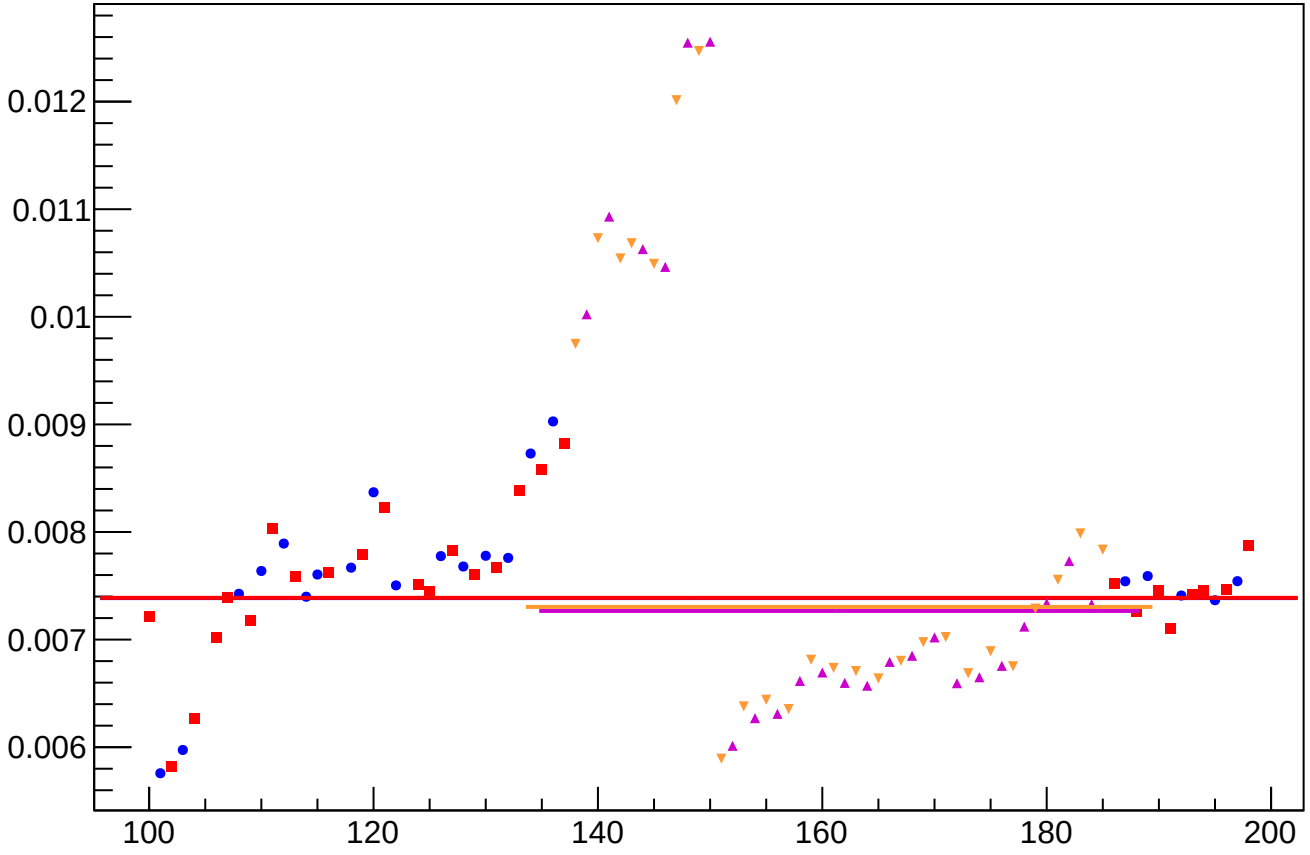
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.210+/-0.000 χ^2/NDF: 819437729210.2/45

All: -0.157+/-0.000 χ^2/NDF: 1726438161204

- sign -0.106+/-0.000 χ^2/NDF: 904016979779.6/49

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 272885.0/20

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

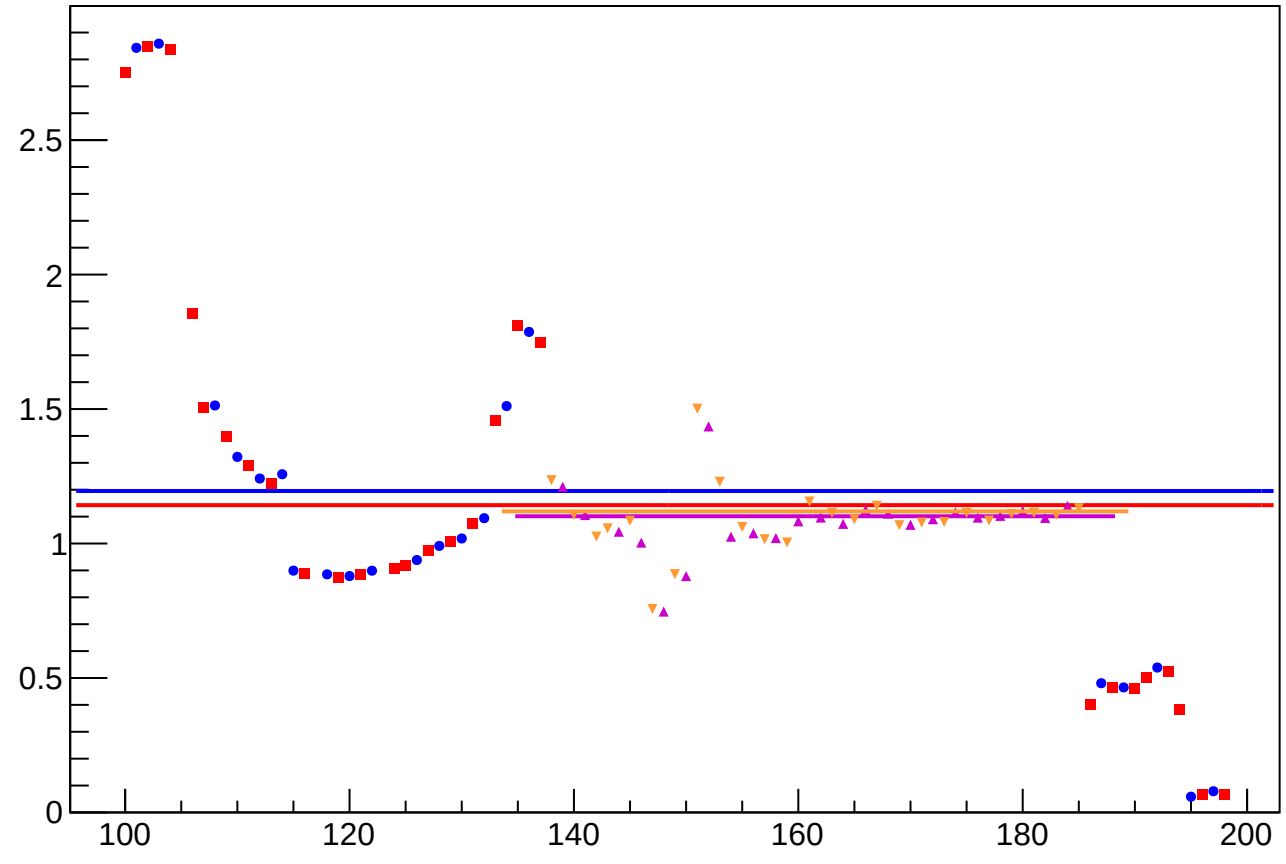
Right Out: 0.007+/-0.000 χ^2/NDF: 204584.8/26

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1778654.0/45

All: 0.007+/-0.000 χ^2/NDF: 3547511.5/95

- sign 0.007+/-0.000 χ^2/NDF: 1768709.8/49



Right In: 1.195+/-0.000 χ^2/NDF: 92617666022.3/20

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.143+/-0.000 χ^2/NDF: 99633036367.7/26

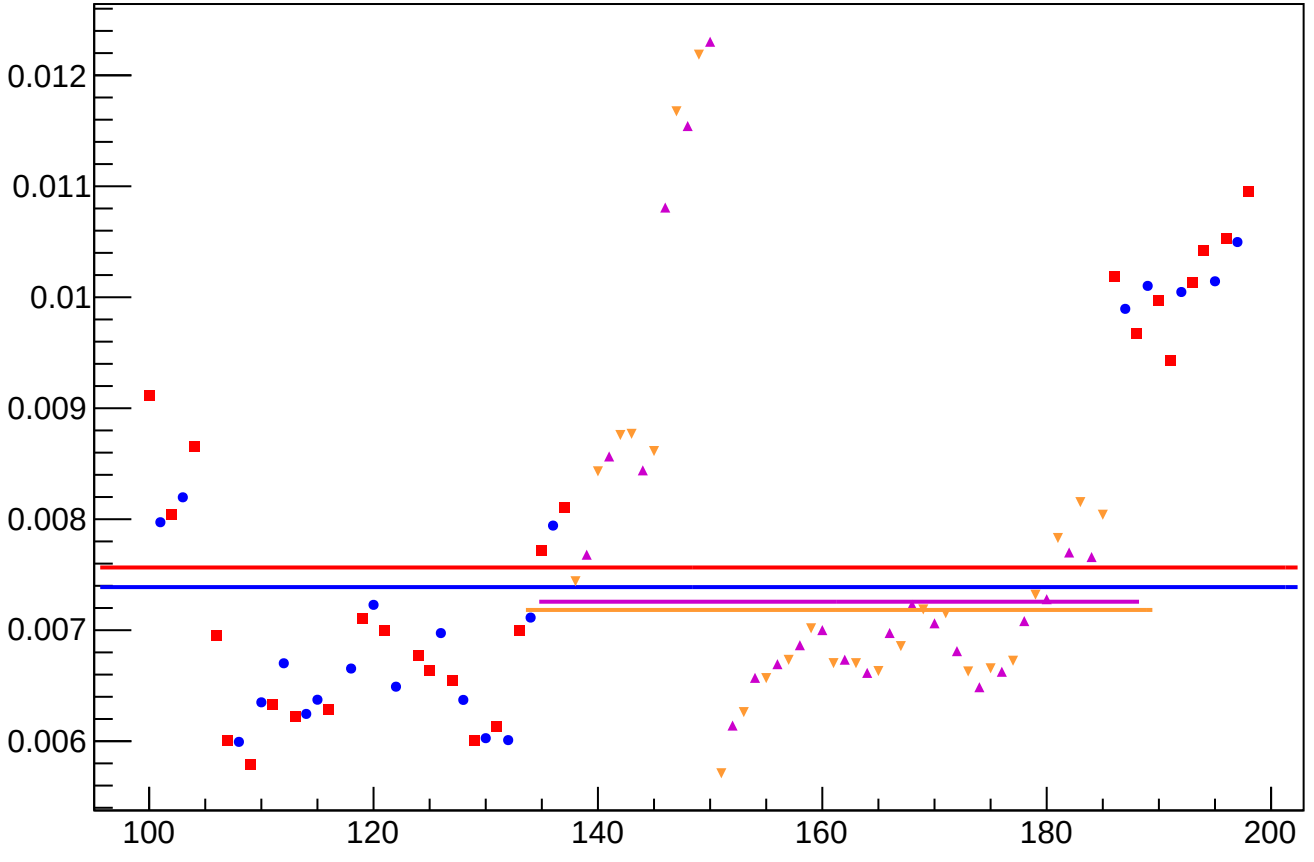
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.146+/-0.000 χ^2/NDF: 98834768621.9/45

All: 1.132+/-0.000 χ^2/NDF: 203106886308.7

- sign 1.117+/-0.000 χ^2/NDF: 104056601837.9/49

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 784957.1/20

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1154021.3/26

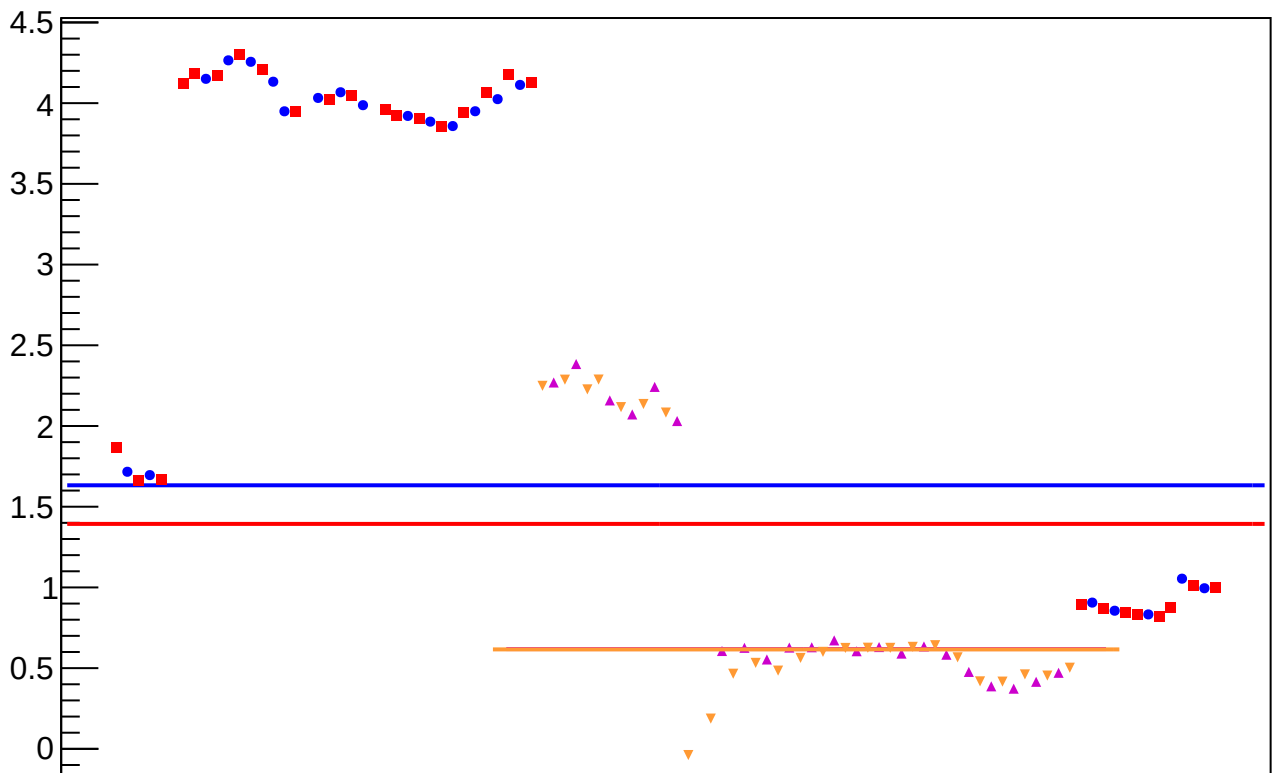
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1689159.2/45

All: 0.007+/-0.000 χ^2/NDF: 3792960.9/95

- sign 0.007+/-0.000 χ^2/NDF: 2095420.7/49

yield_bpm1i04Y_mean vs Slug



Right In: 1.633+/-0.000 χ^2/NDF: 1407955547798.1/20

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.393+/-0.000 χ^2/NDF: 1689127744904.9/26

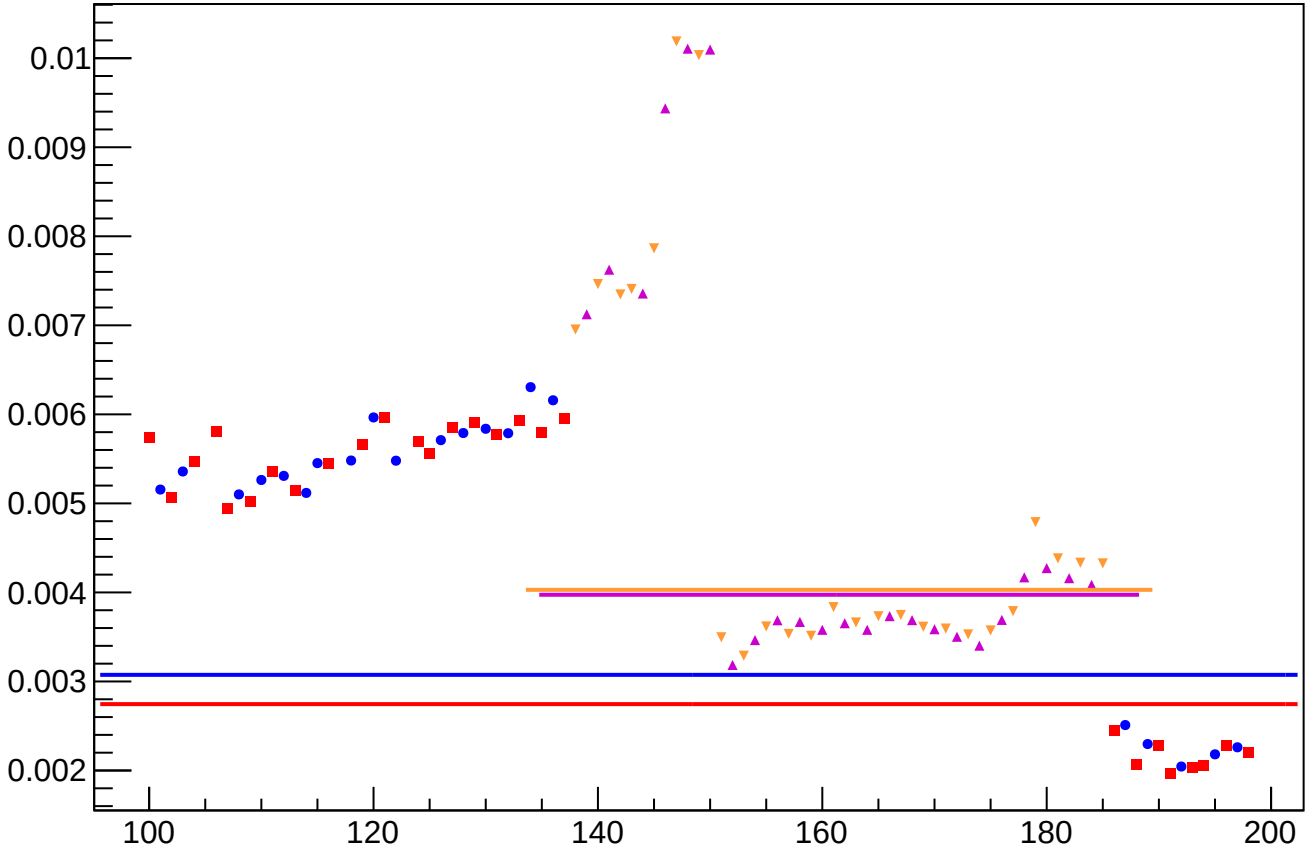
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.077+/-0.000 χ^2/NDF: 2155341404812.2/45

All: 1.065+/-0.000 χ^2/NDF: 4447507668229.

- sign 1.056+/-0.000 χ^2/NDF: 2291667118784.7/49

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3986951.4/20

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4575048.4/26

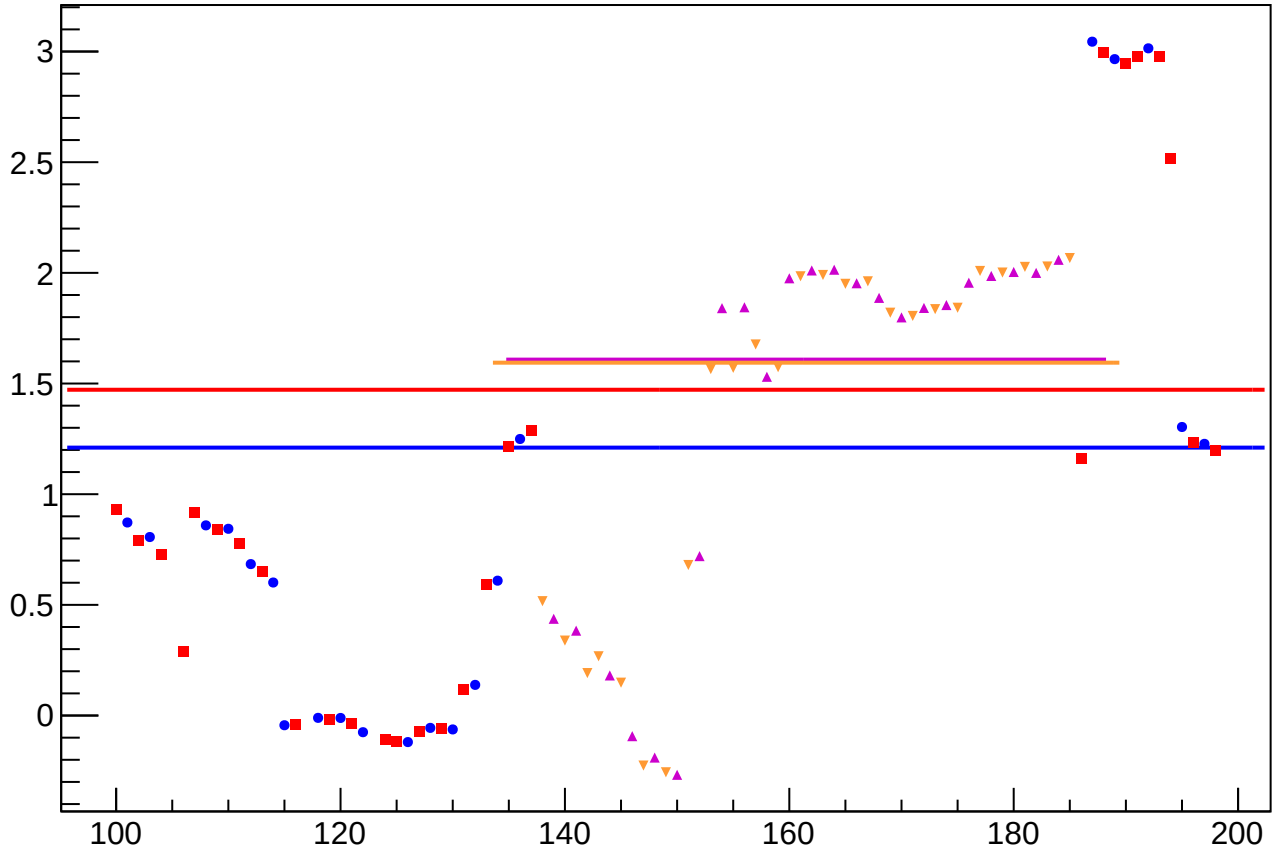
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 7826164.3/45

All: 0.003+/-0.000 χ^2/NDF: 17482922.2/95

- sign 0.003+/-0.000 χ^2/NDF: 9445799.1/49

yield_bpm1i06X_mean vs Slug



Right In: 1.210+/-0.000 χ^2/NDF: 77456926567.5/20

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.472+/-0.000 χ^2/NDF: 103305456205.0/26

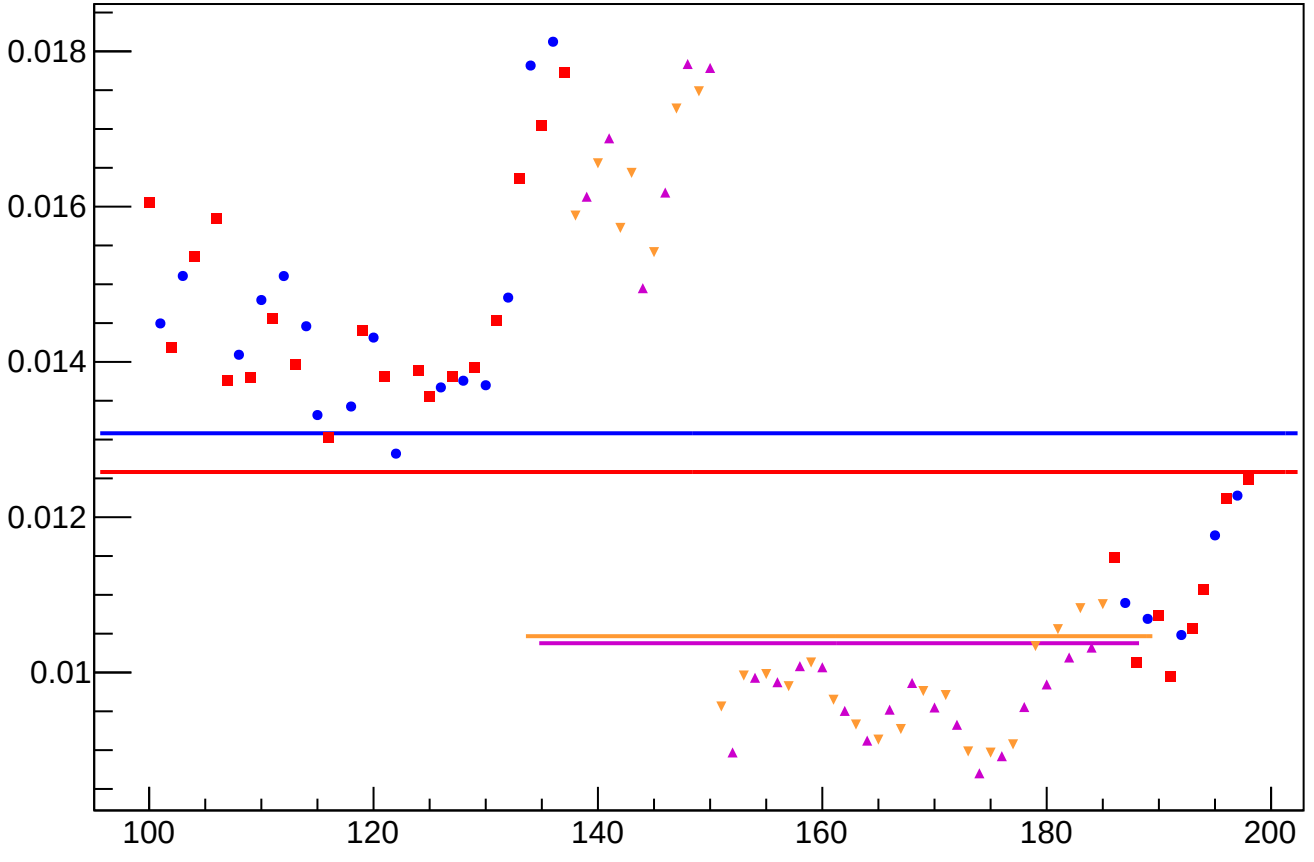
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.493+/-0.000 χ^2/NDF: 146592052190.9/45

All: 1.529+/-0.000 χ^2/NDF: 317857232477.3

- sign 1.564+/-0.000 χ^2/NDF: 170679070507.9/49

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 493681.0/20

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 589159.7/26

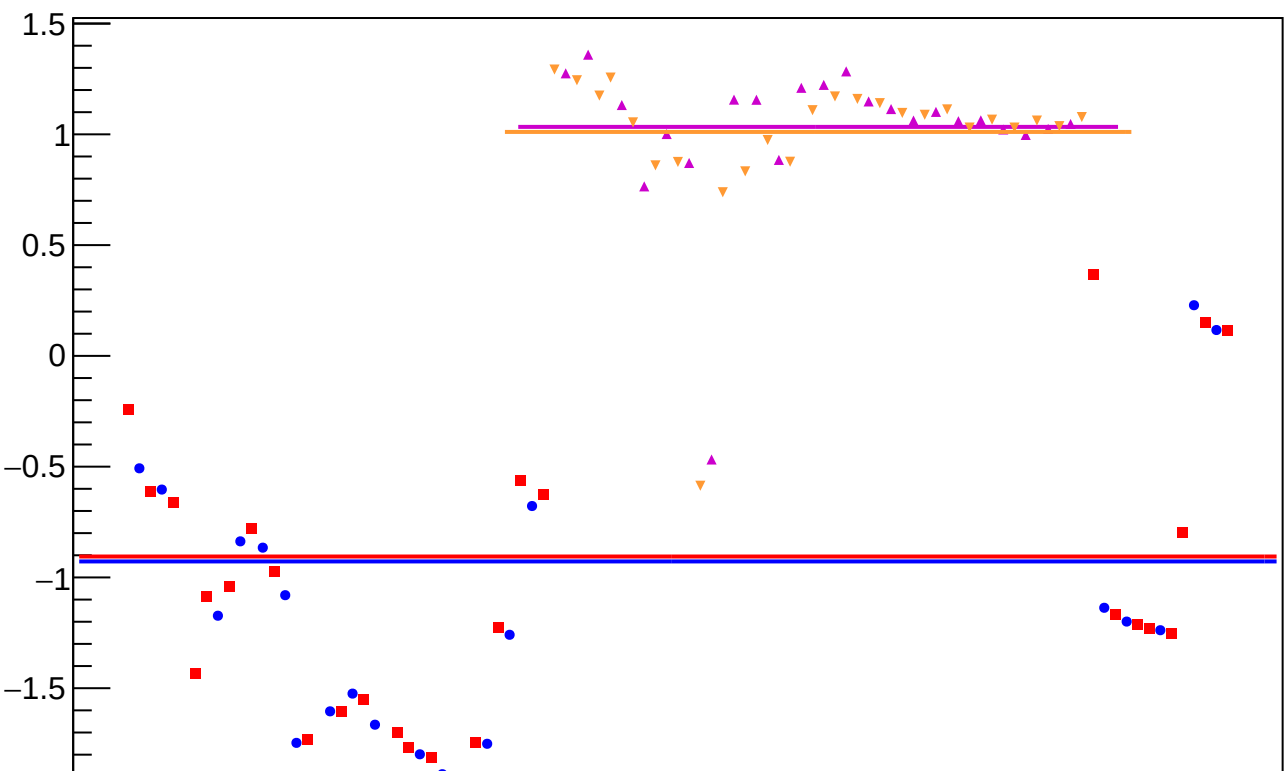
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2758036.8/45

All: 0.011+/-0.000 χ^2/NDF: 5567641.3/95

- sign 0.011+/-0.000 χ^2/NDF: 2808662.6/49

yield_bpm1i06Y_mean vs Slug



Right In: -0.928+/-0.000 χ^2/NDF: 113984568439.2/20

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.906+/-0.000 χ^2/NDF: 112161923604.2/26

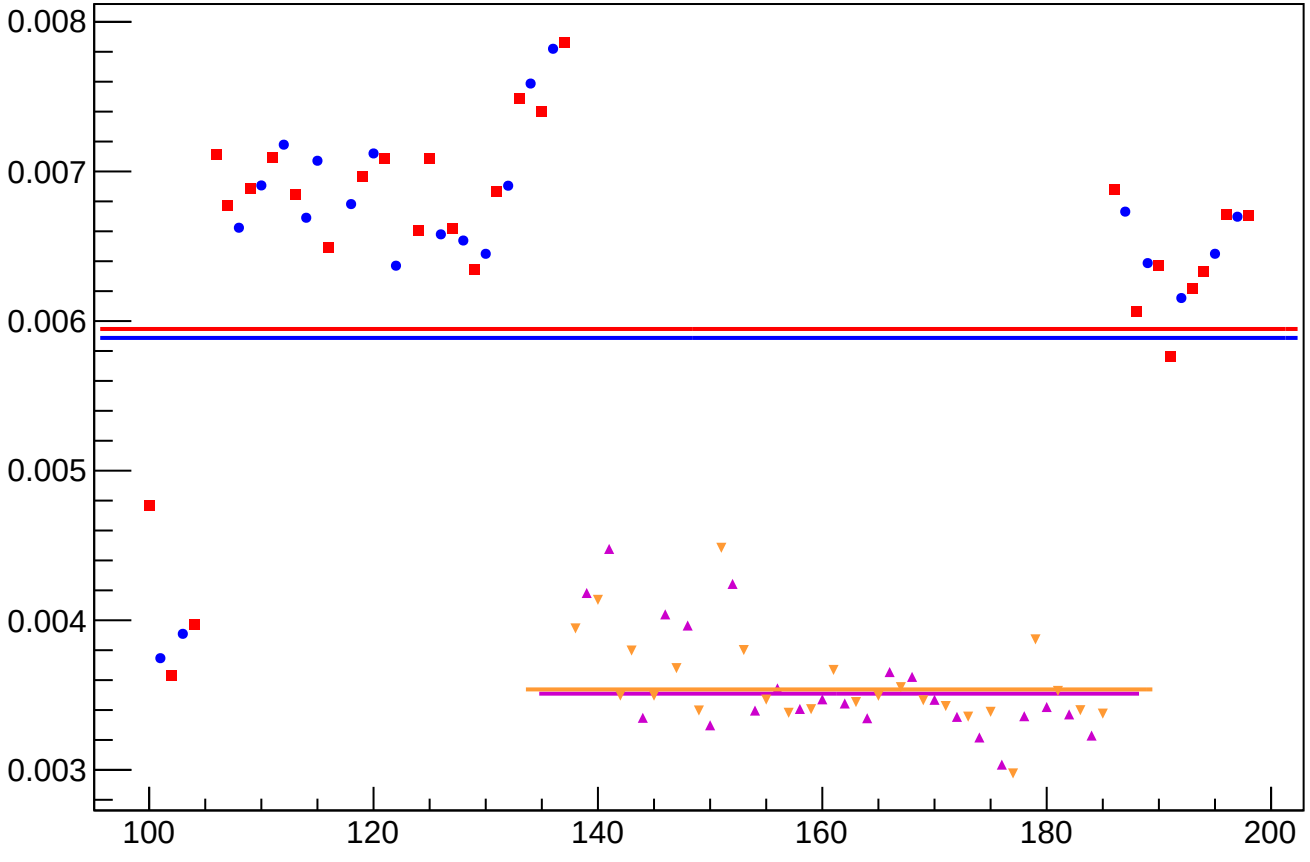
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.692+/-0.000 χ^2/NDF: 1093141539463.0/45

All: 0.674+/-0.000 χ^2/NDF: 2318502344582.

- sign 0.656+/-0.000 χ^2/NDF: 1224227111828.8/49

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1013791.2/20

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1077643.8/26

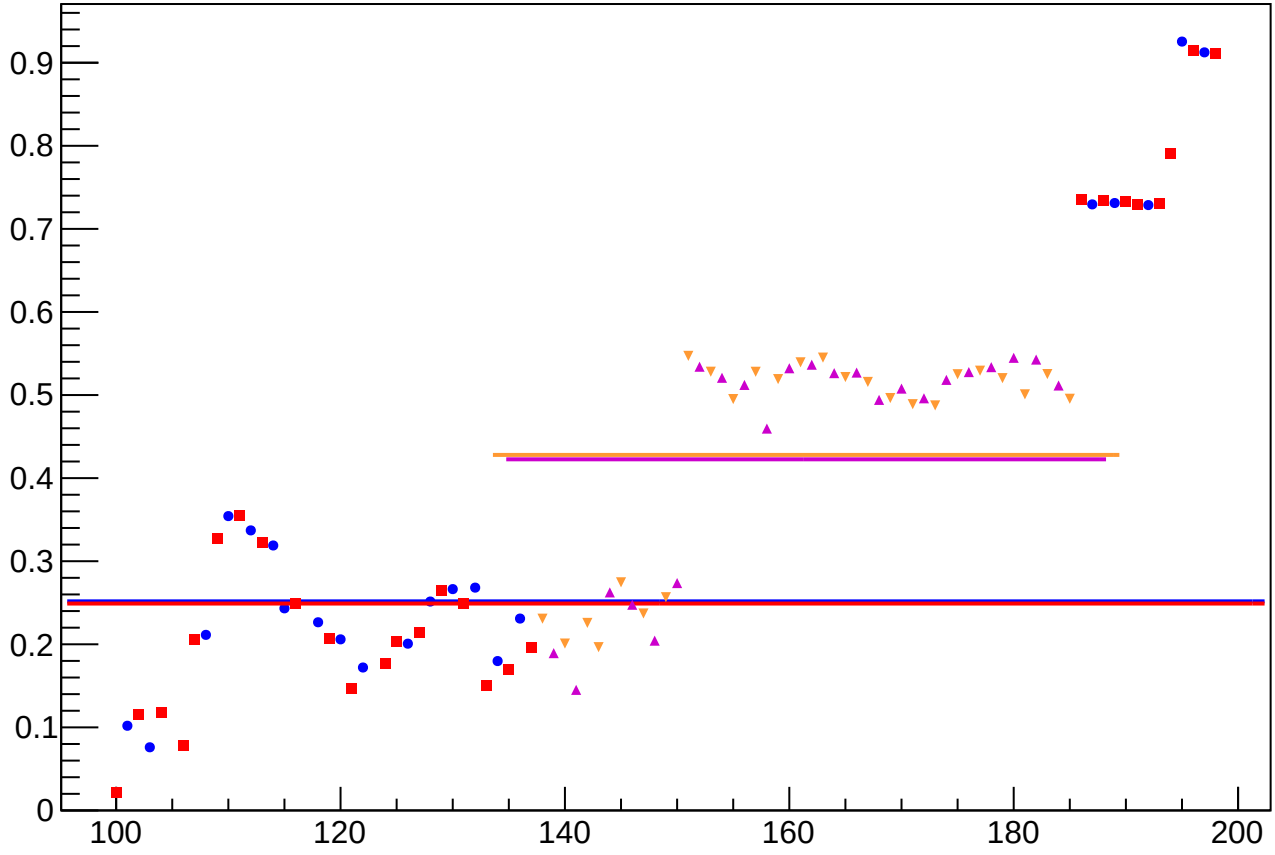
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 3779067.4/45

All: 0.004+/-0.000 χ^2/NDF: 8265915.9/95

- sign 0.004+/-0.000 χ^2/NDF: 4480635.2/49

yield_bpm2i01X_mean vs Slug



Right In: 0.252+/-0.000 χ^2/NDF: 86396176700.4/20

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.249+/-0.000 χ^2/NDF: 123770114698.2/26

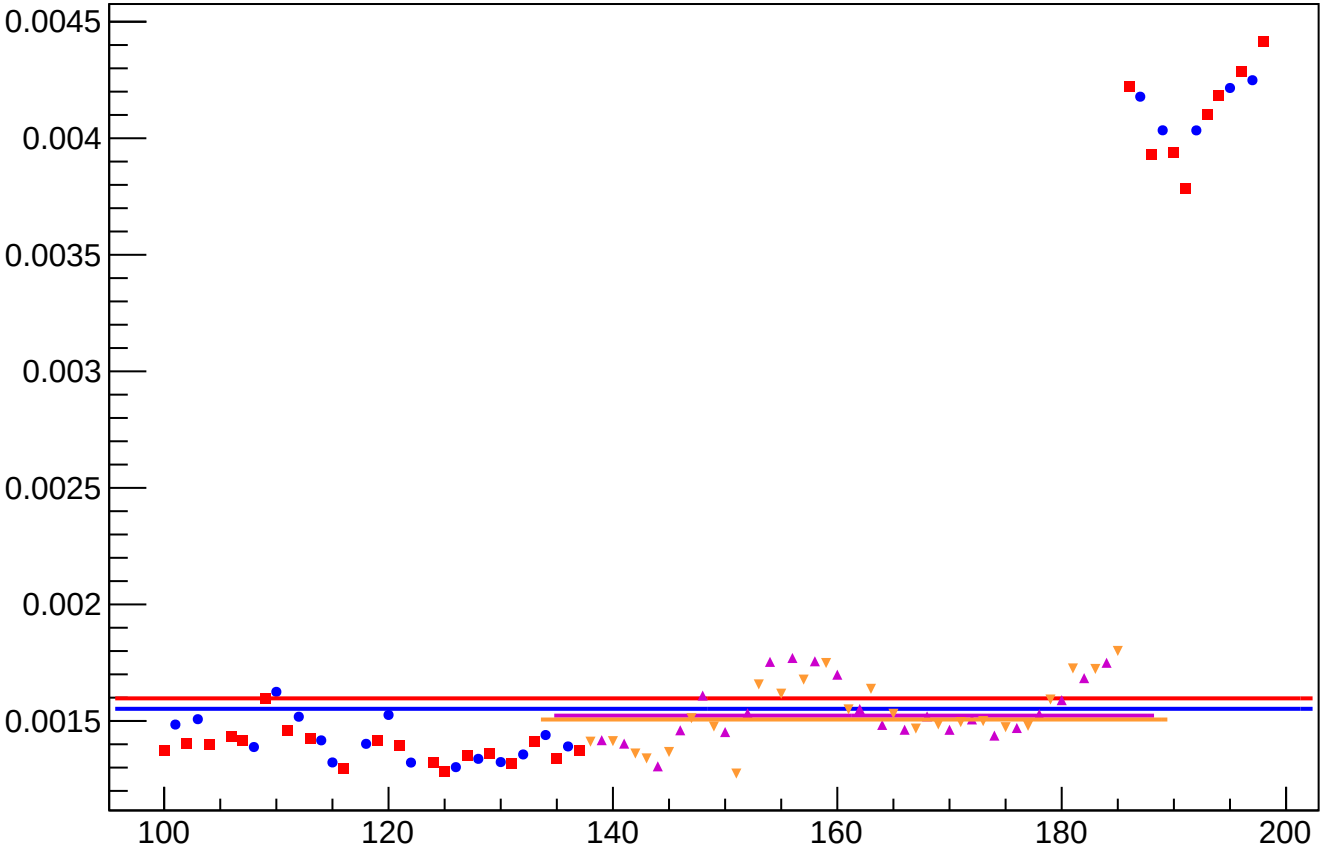
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.374+/-0.000 χ^2/NDF: 320112135644.2/45

All: 0.368+/-0.000 χ^2/NDF: 683634573665.0

- sign 0.363+/-0.000 χ^2/NDF: 362741565035.6/49

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2849935.7/20

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

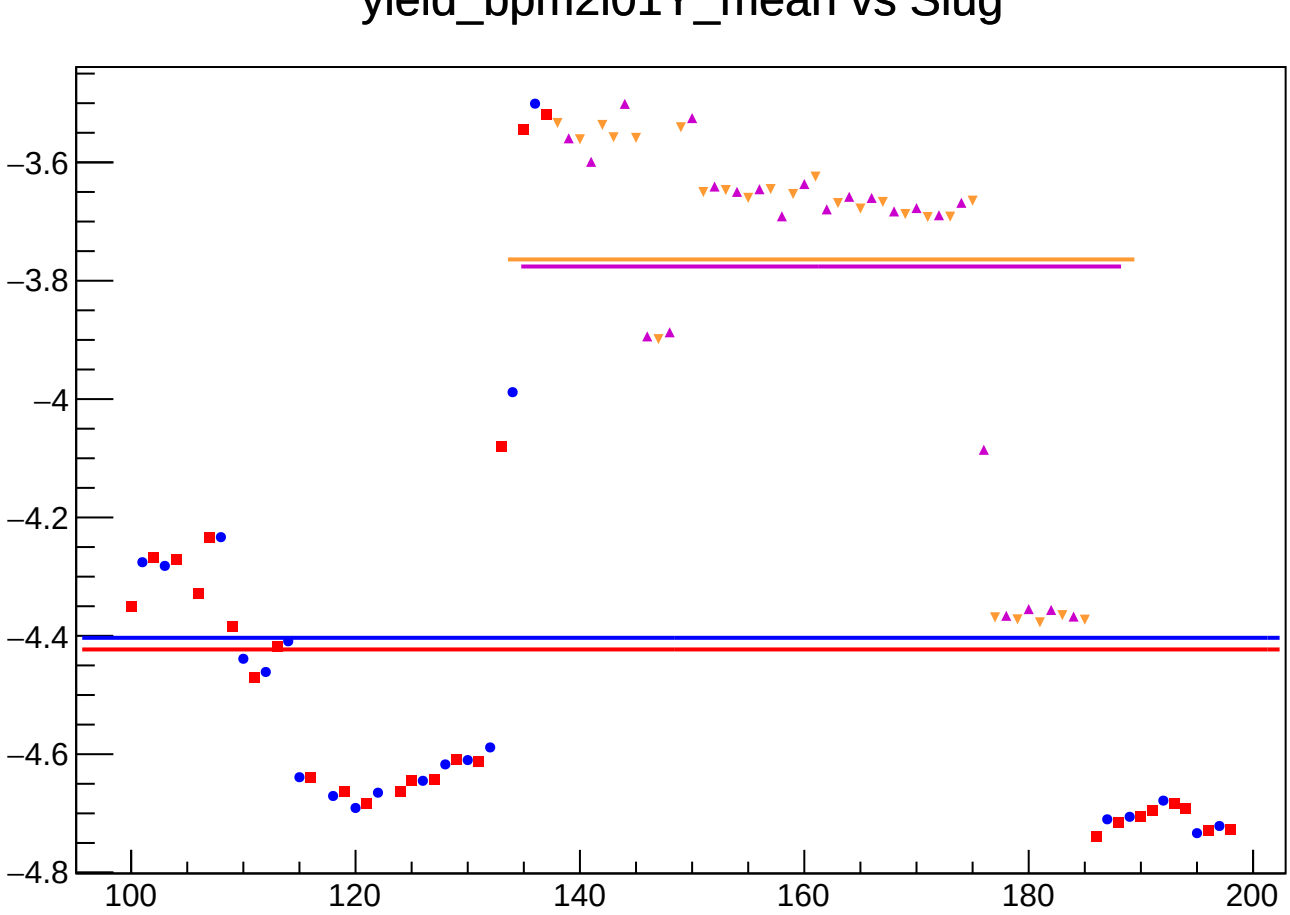
Right Out: 0.002+/-0.000 χ^2/NDF: 4361948.6/26

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 3139691.5/45

All: 0.002+/-0.000 χ^2/NDF: 7775366.2/95

- sign 0.002+/-0.000 χ^2/NDF: 4626109.4/49



Right In: -4.403+/-0.000 χ^2/NDF: 386321329545.2/20

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.423+/-0.000 χ^2/NDF: 345961032922.3/26

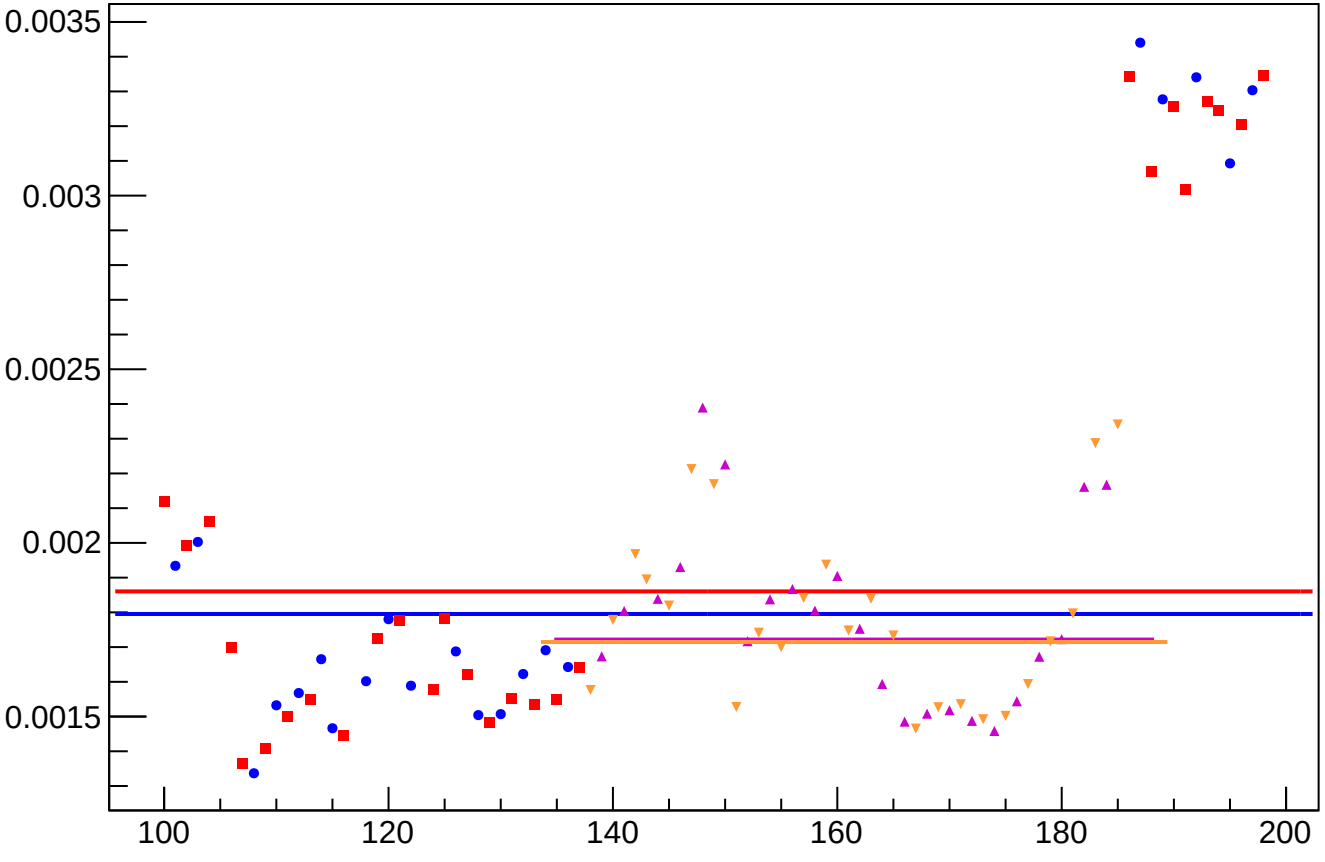
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.967+/-0.000 χ^2/NDF: 1687993783223.3/4

All: -3.986+/-0.000 χ^2/NDF: 3323190964485

- sign -4.005+/-0.000 χ^2/NDF: 1628402418394.6/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1646583.4/20

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2412582.2/26

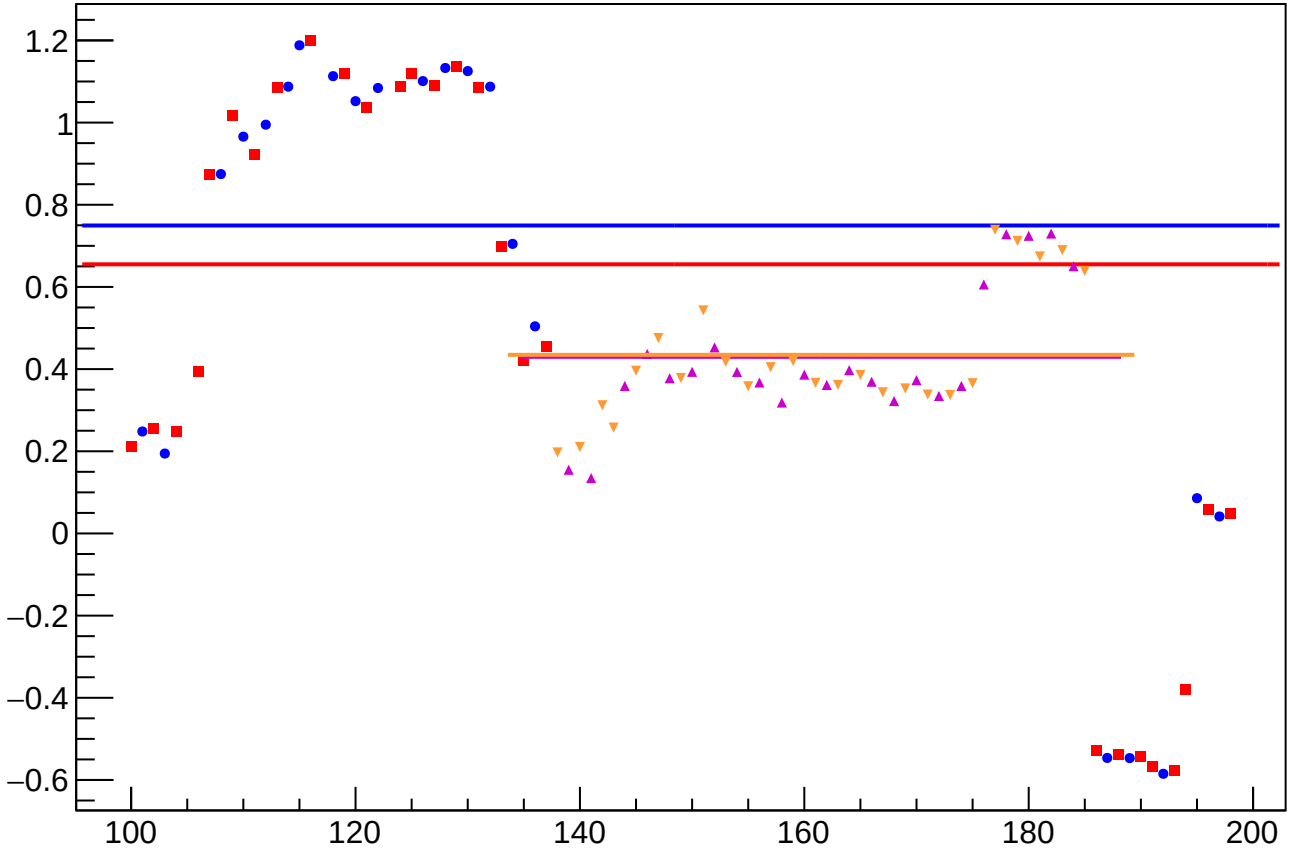
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 2235025.8/45

All: 0.002+/-0.000 χ^2/NDF: 5318981.8/95

- sign 0.002+/-0.000 χ^2/NDF: 3075335.7/49

yield_bpm2i02X_mean vs Slug



Right In: 0.750+/-0.000 χ^2/NDF: 53201462293.0/20

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.655+/-0.000 χ^2/NDF: 78767900567.8/26

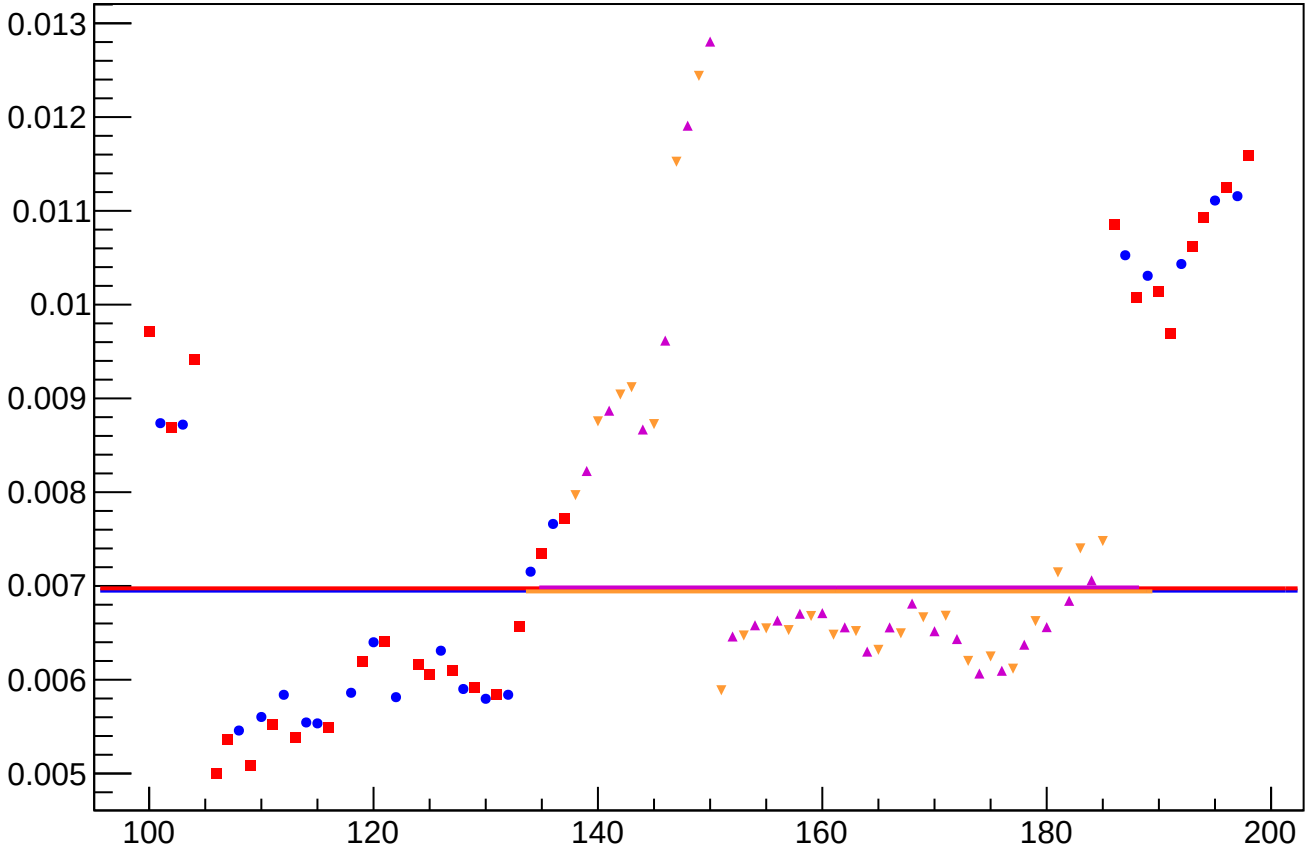
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.544+/-0.000 χ^2/NDF: 75012022682.9/45

All: 0.532+/-0.000 χ^2/NDF: 170331546279.9

- sign 0.520+/-0.000 χ^2/NDF: 95151632677.3/49

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 1331241.3/20

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2056563.9/26

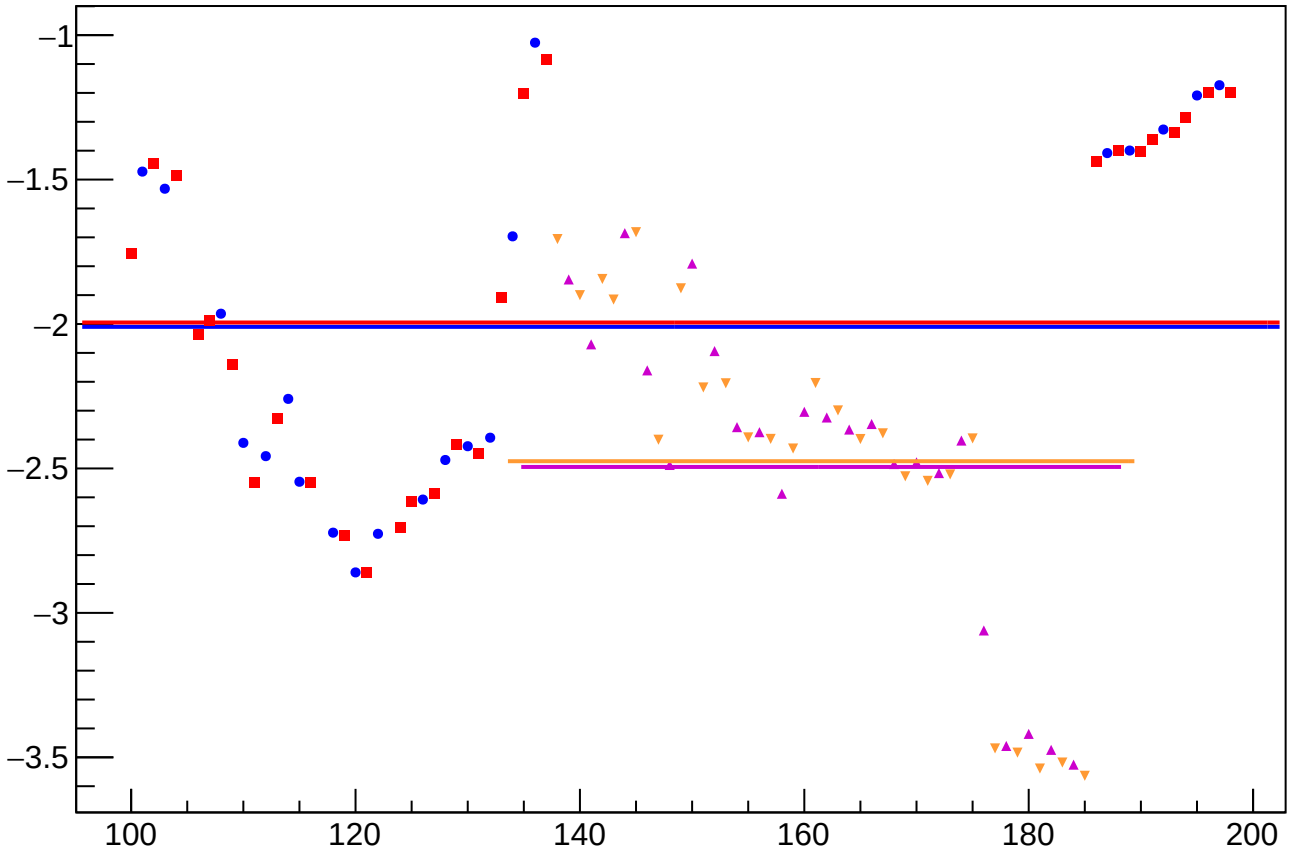
Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 2422176.7/45

All: 0.007+/-0.000 χ^2/NDF: 5616045.0/95

- sign 0.007+/-0.000 χ^2/NDF: 3193118.1/49

yield_bpm2i02Y_mean vs Slug



Right In: -2.010+/-0.000 χ^2/NDF: 89164666225.6/20

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.995+/-0.000 χ^2/NDF: 91042358475.0/26

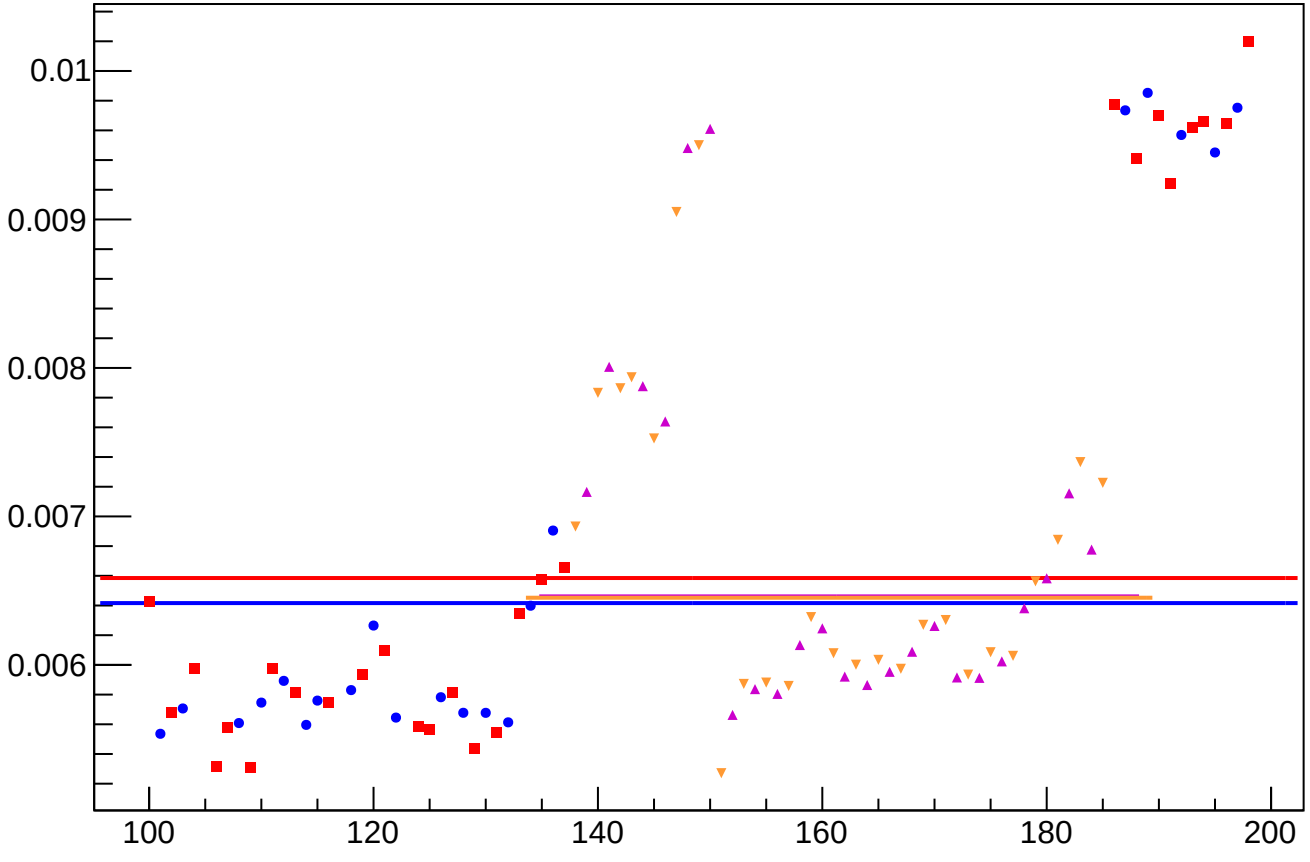
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.312+/-0.000 χ^2/NDF: 246661354869.6/45

All: -2.305+/-0.000 χ^2/NDF: 476770538987.9

- sign -2.298+/-0.000 χ^2/NDF: 230044592225.4/49

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 948296.0/20

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

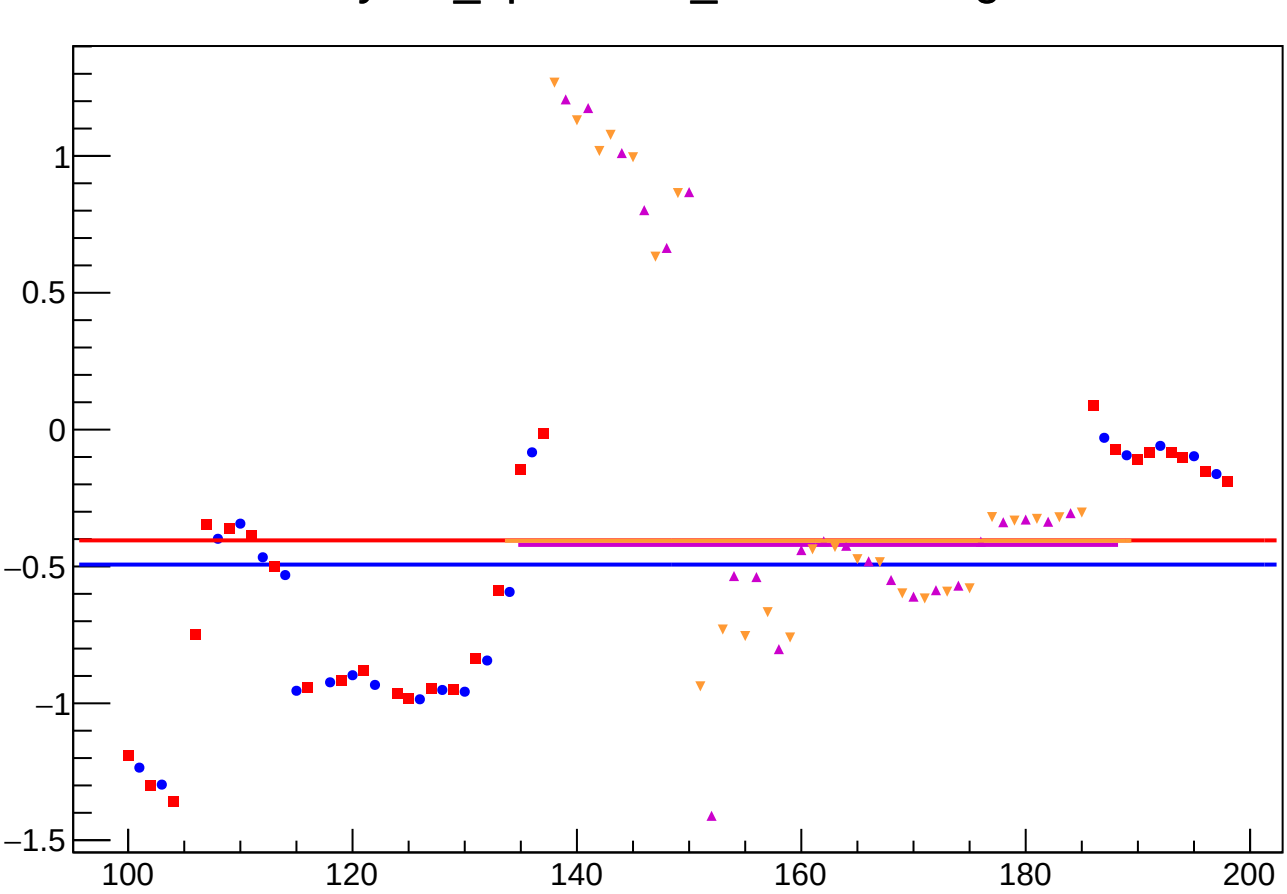
Right Out: 0.007+/-0.000 χ^2/NDF: 1417585.3/26

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 1661950.3/45

All: 0.006+/-0.000 χ^2/NDF: 3808824.5/95

- sign 0.007+/-0.000 χ^2/NDF: 2143389.9/49



Right In: -0.493+/-0.000 χ^2/NDF: 21979322135.6/20

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.405+/-0.000 χ^2/NDF: 26377892678.1/26

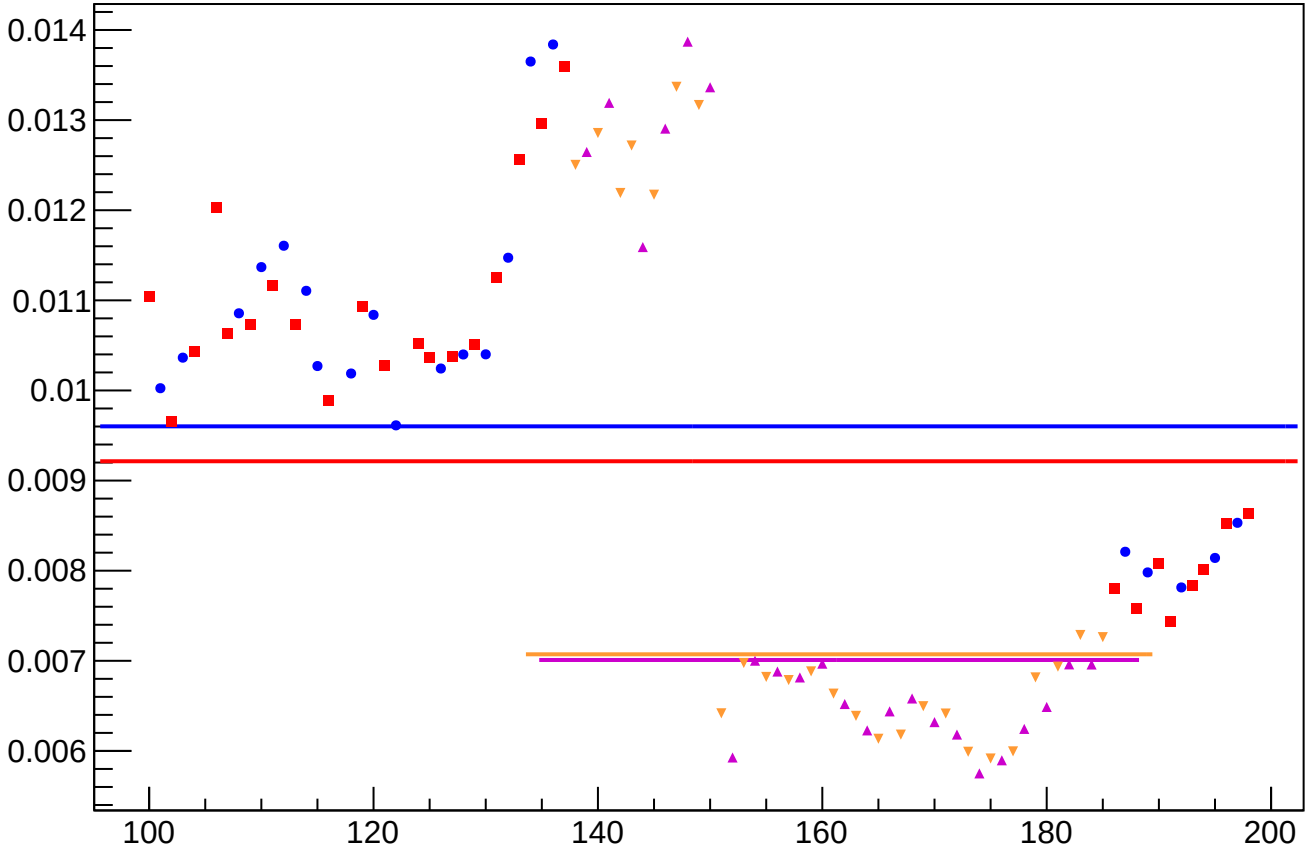
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.427+/-0.000 χ^2/NDF: 104251244137.8/45

All: -0.421+/-0.000 χ^2/NDF: 220923584292.6

- sign -0.416+/-0.000 χ^2/NDF: 116647183408.0/49

yield_bpm0i01X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 584041.9/20

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

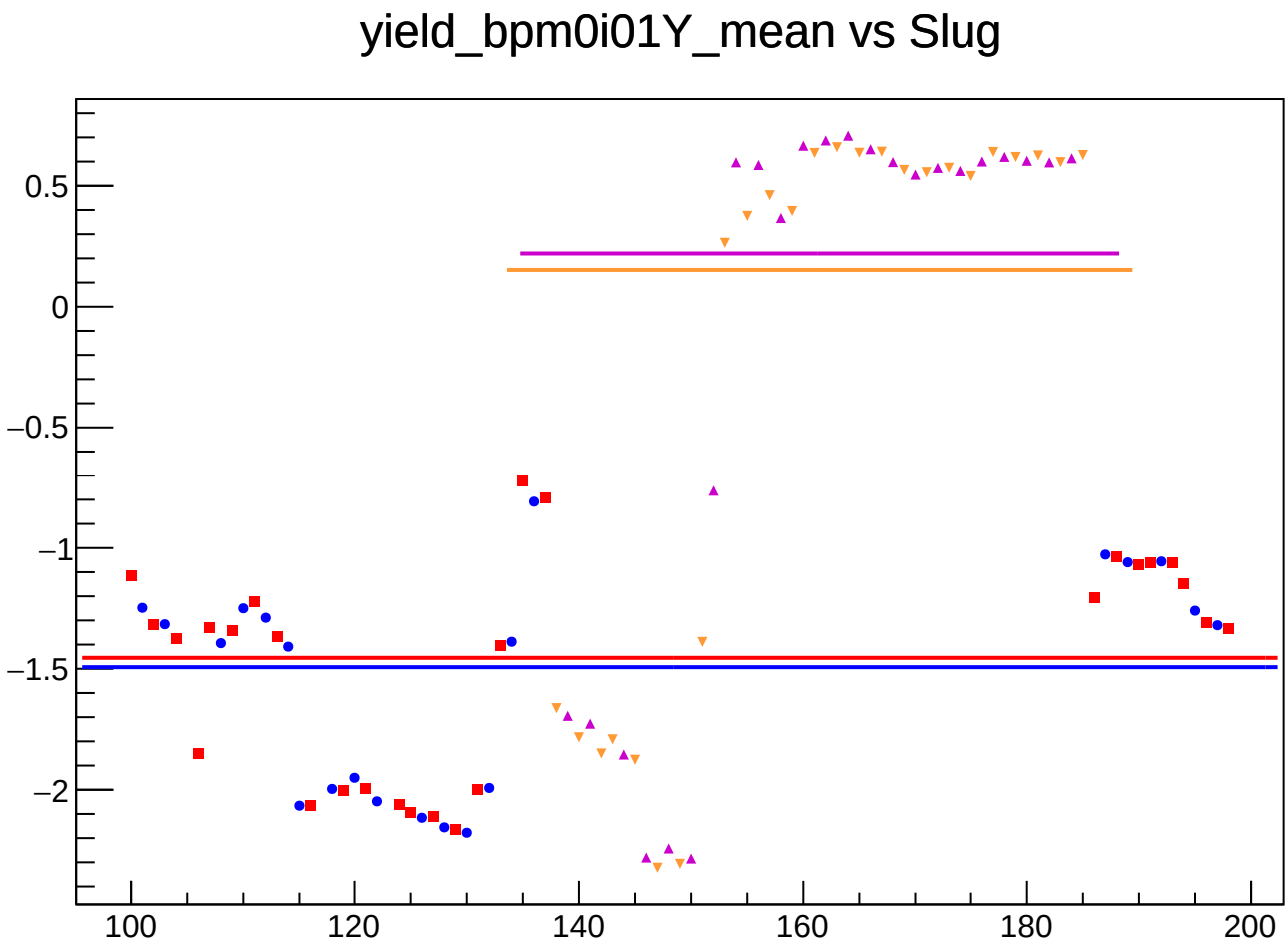
Right Out: 0.009+/-0.000 χ^2/NDF: 670933.9/26

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4044204.8/45

All: 0.008+/-0.000 χ^2/NDF: 8154102.9/95

- sign 0.008+/-0.000 χ^2/NDF: 4109859.3/49



Right In: -1.493+/-0.000 χ^2/NDF: 180757152198.5/20

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.455+/-0.000 χ^2/NDF: 171378959981.2/26

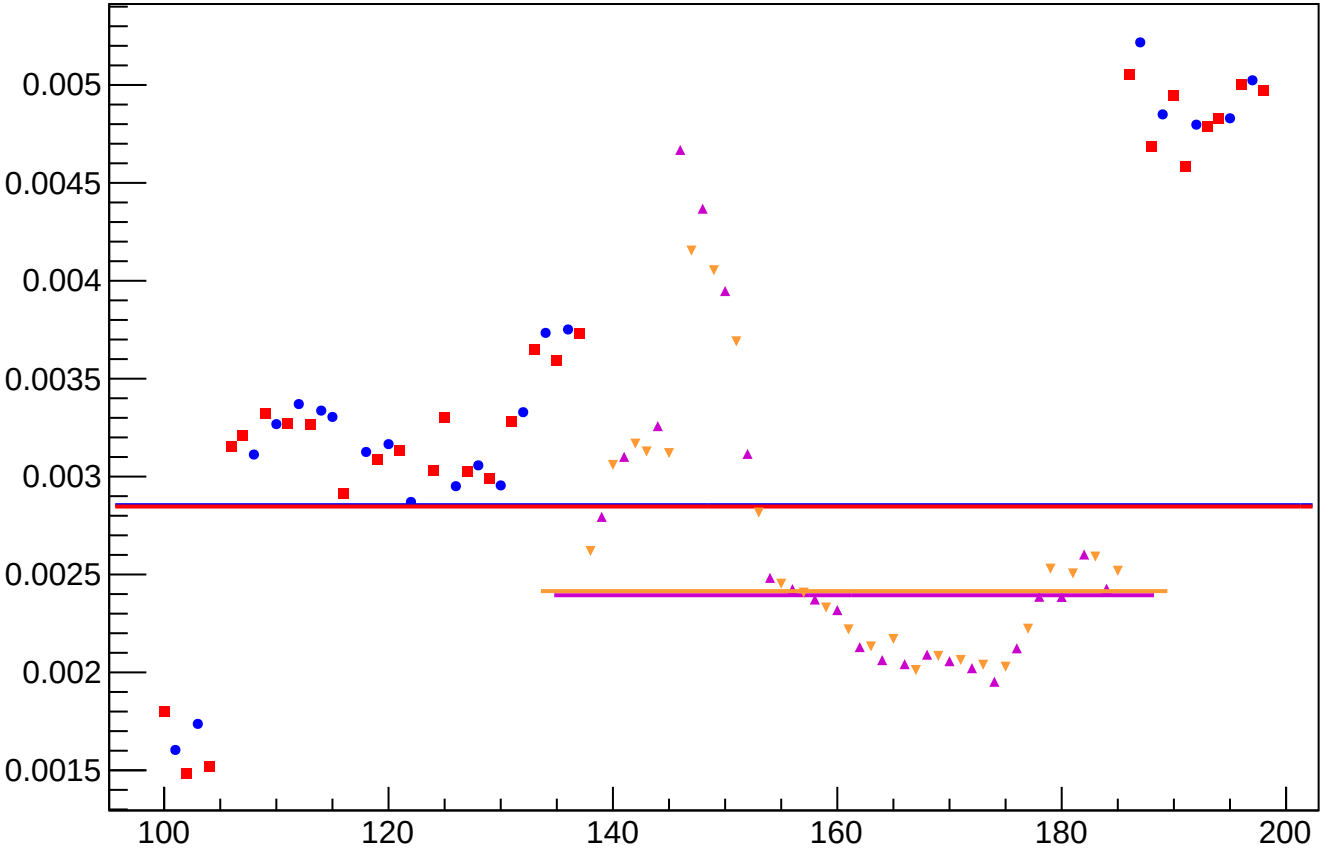
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.287+/-0.000 χ^2/NDF: 4694996561185.1/4

All: -0.291+/-0.000 χ^2/NDF: 9392105120348

- sign -0.295+/-0.000 χ^2/NDF: 4696996350087.9/4

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 2475705.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

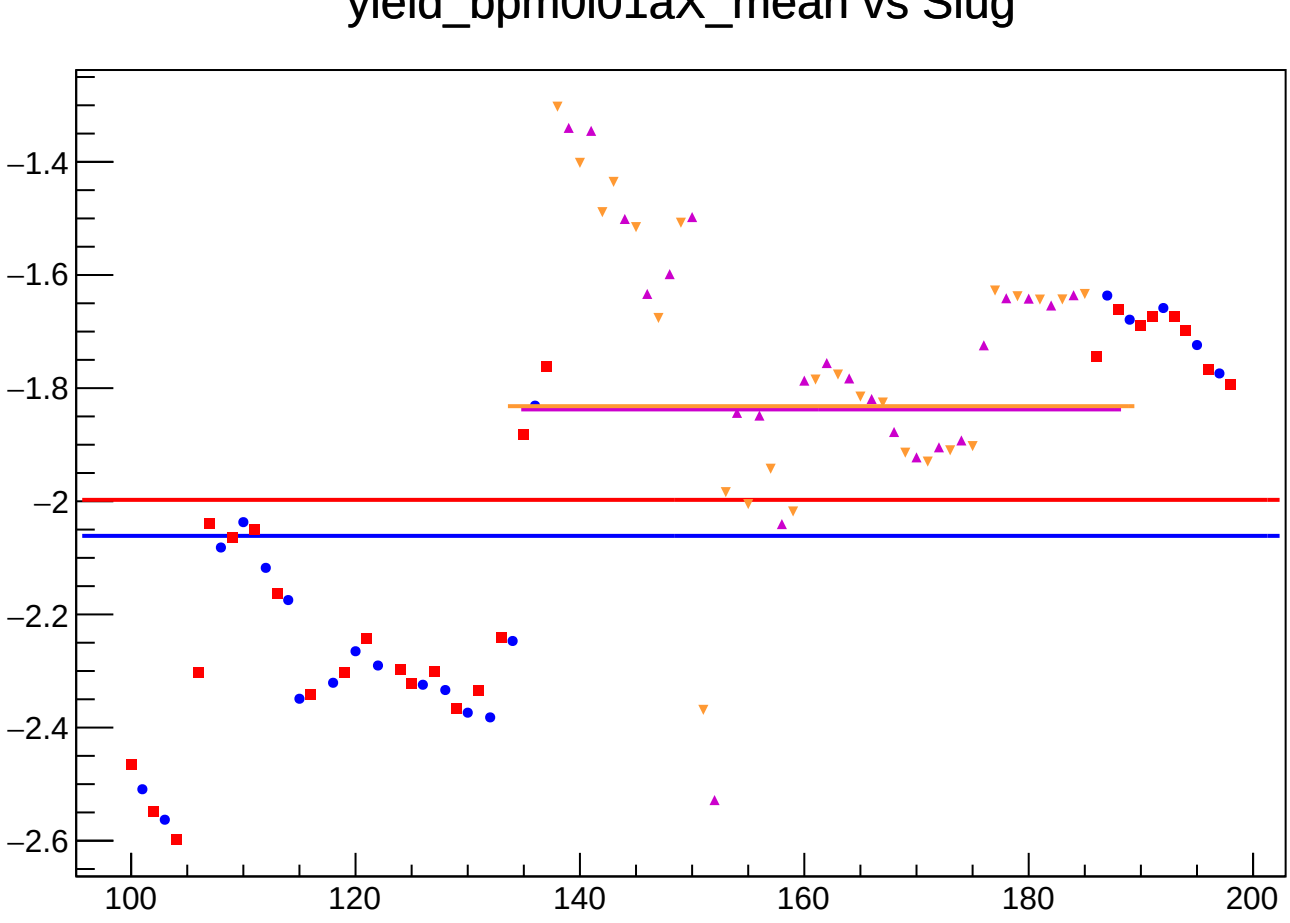
Right Out: 0.003+/-0.000 χ^2/NDF: 3704069.2/26

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 3997139.5/45

All: 0.003+/-0.000 χ^2/NDF: 9462599.2/95

- sign 0.003+/-0.000 χ^2/NDF: 5465455.8/49



Right In: -2.061+/-0.000 χ^2/NDF: 29088418773.1/20

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.997+/-0.000 χ^2/NDF: 35739913554.9/26

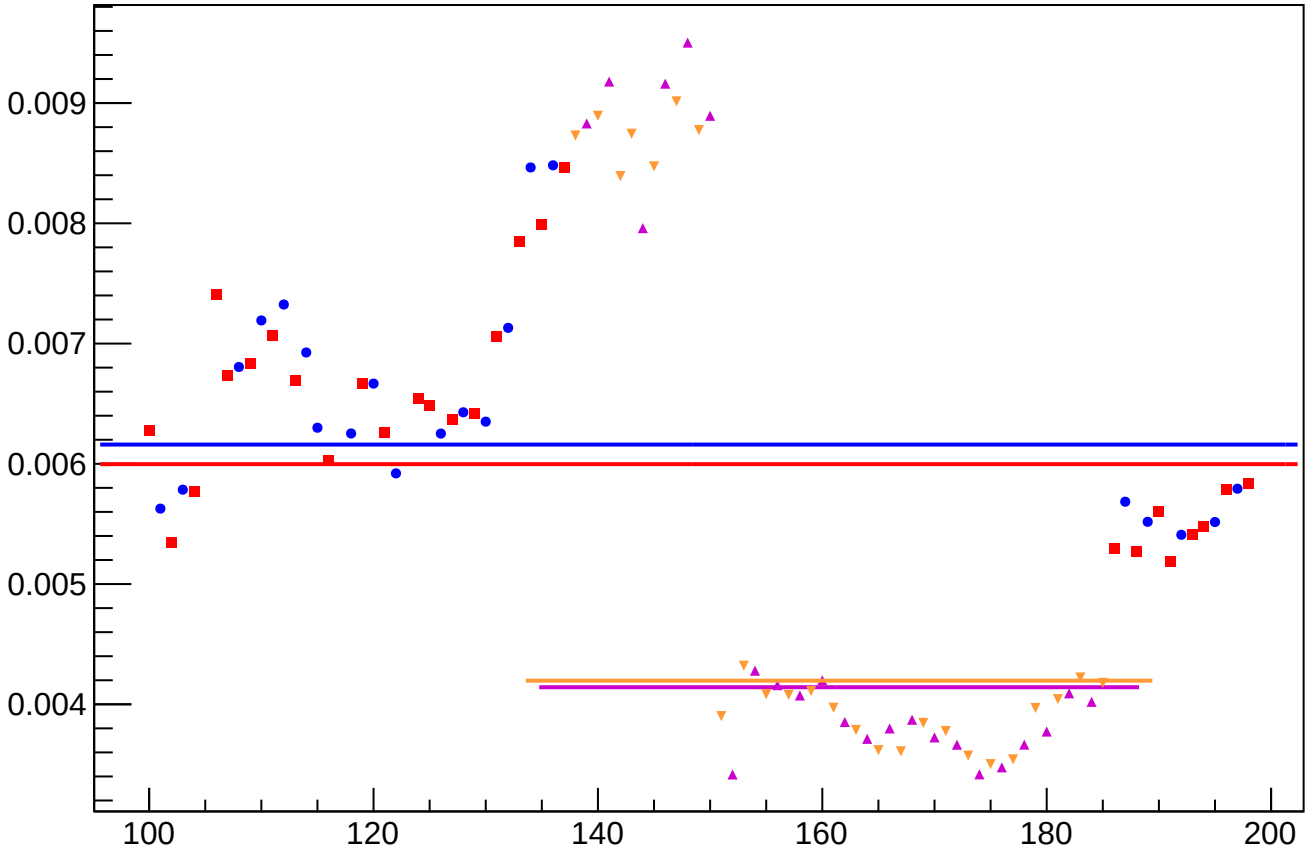
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.881+/-0.000 χ^2/NDF: 78493253411.2/45

All: -1.881+/-0.000 χ^2/NDF: 174051359765.5

- sign -1.880+/-0.000 χ^2/NDF: 95557180978.6/49

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 356192.9/20

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 376853.7/26

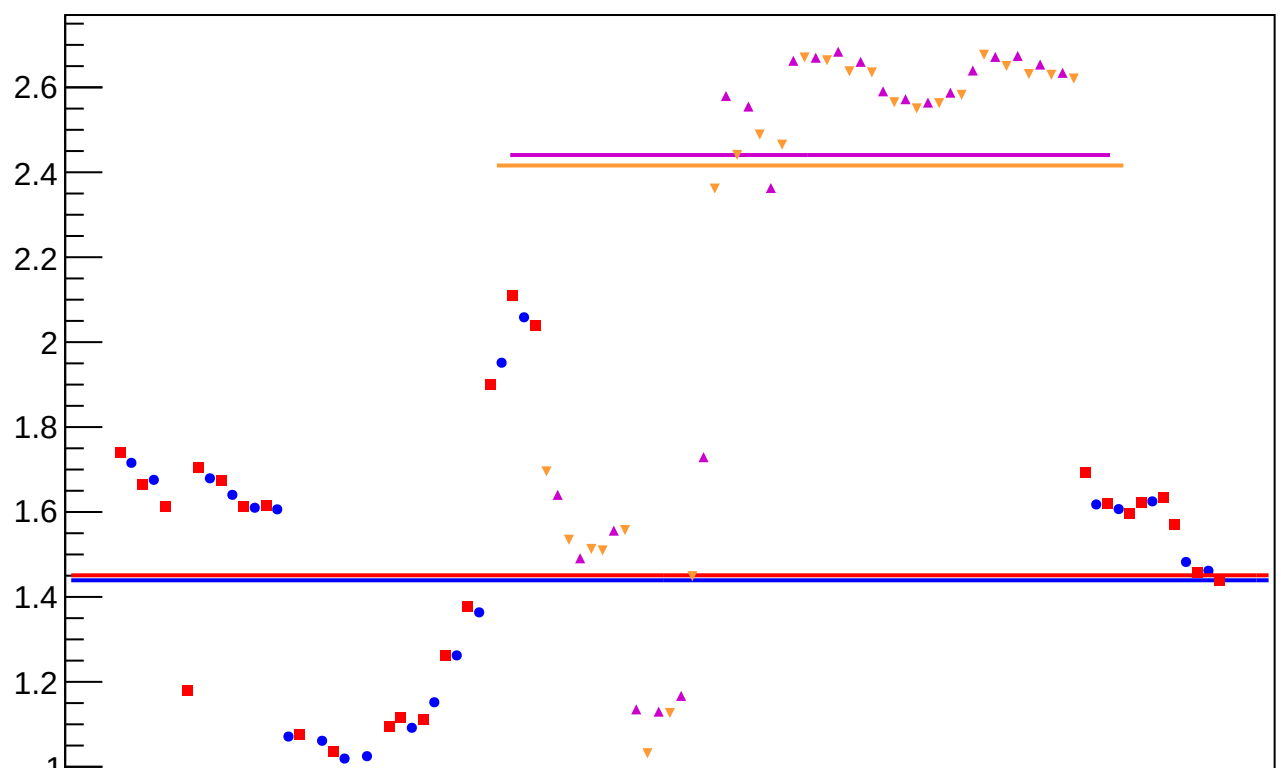
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5067100.6/45

All: 0.005+/-0.000 χ^2/NDF: 10355696.3/95

- sign 0.005+/-0.000 χ^2/NDF: 5288319.6/49

yield_bpm0i01aY_mean vs Slug



Right In: 1.439+/-0.000 χ^2/NDF: 191283688025.3/20

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.451+/-0.000 χ^2/NDF: 186305375713.1/26

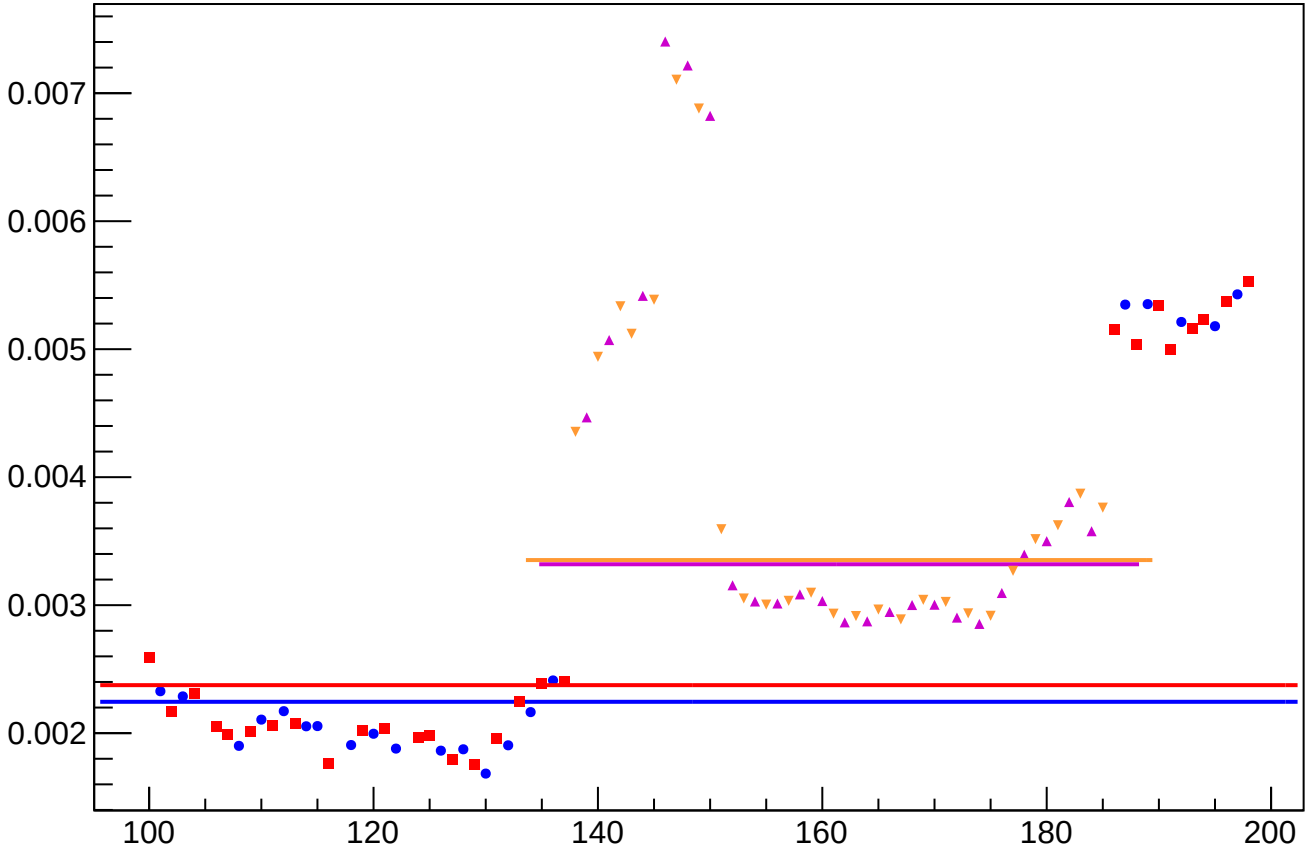
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.899+/-0.000 χ^2/NDF: 1218315490714.0/45

All: 1.897+/-0.000 χ^2/NDF: 2437307258414.

- sign 1.895+/-0.000 χ^2/NDF: 1218960401845.9/49

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2538144.0/20

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

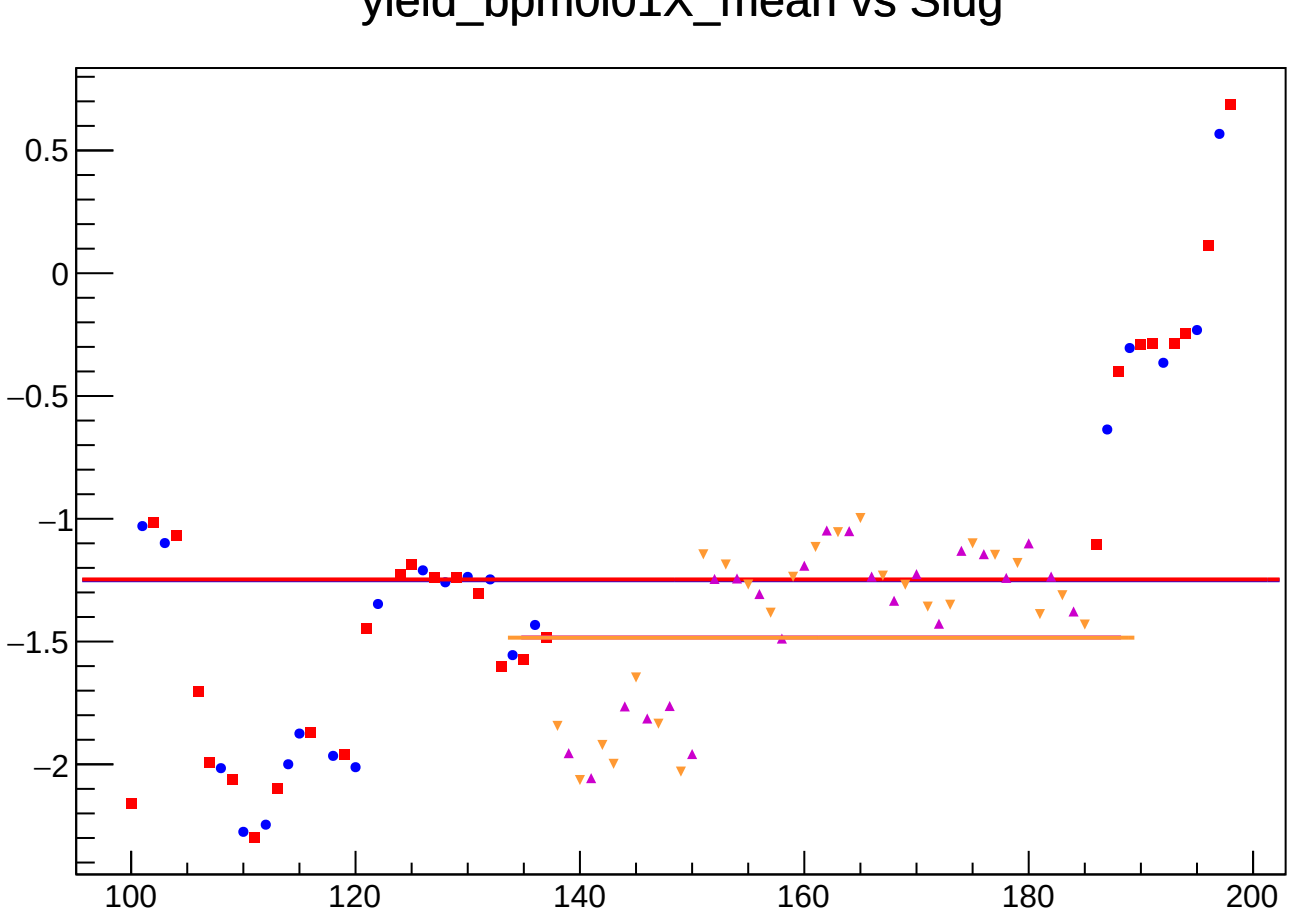
Right Out: 0.002+/-0.000 χ^2/NDF: 3647085.8/26

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 6373256.0/45

All: 0.003+/-0.000 χ^2/NDF: 13538227.2/95

- sign 0.003+/-0.000 χ^2/NDF: 7161529.9/49



Right In: -1.250+/-0.000 χ^2/NDF: 75909394763.9/20

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.247+/-0.000 χ^2/NDF: 122717764489.9/26

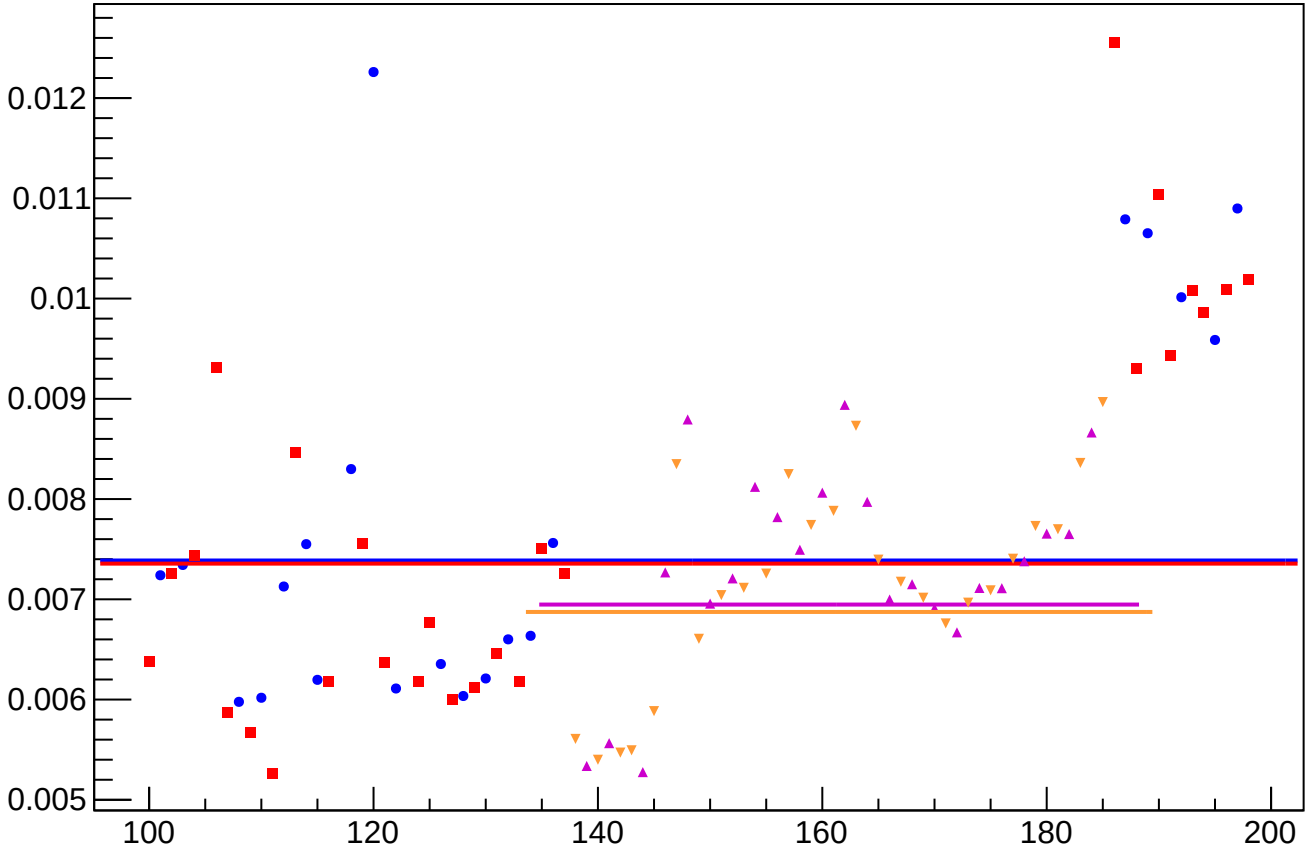
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.411+/-0.000 χ^2/NDF: 130874707948.3/45

All: -1.403+/-0.000 χ^2/NDF: 301444870991.6

- sign -1.394+/-0.000 χ^2/NDF: 170488123936.2/49

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 862733.8/20

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

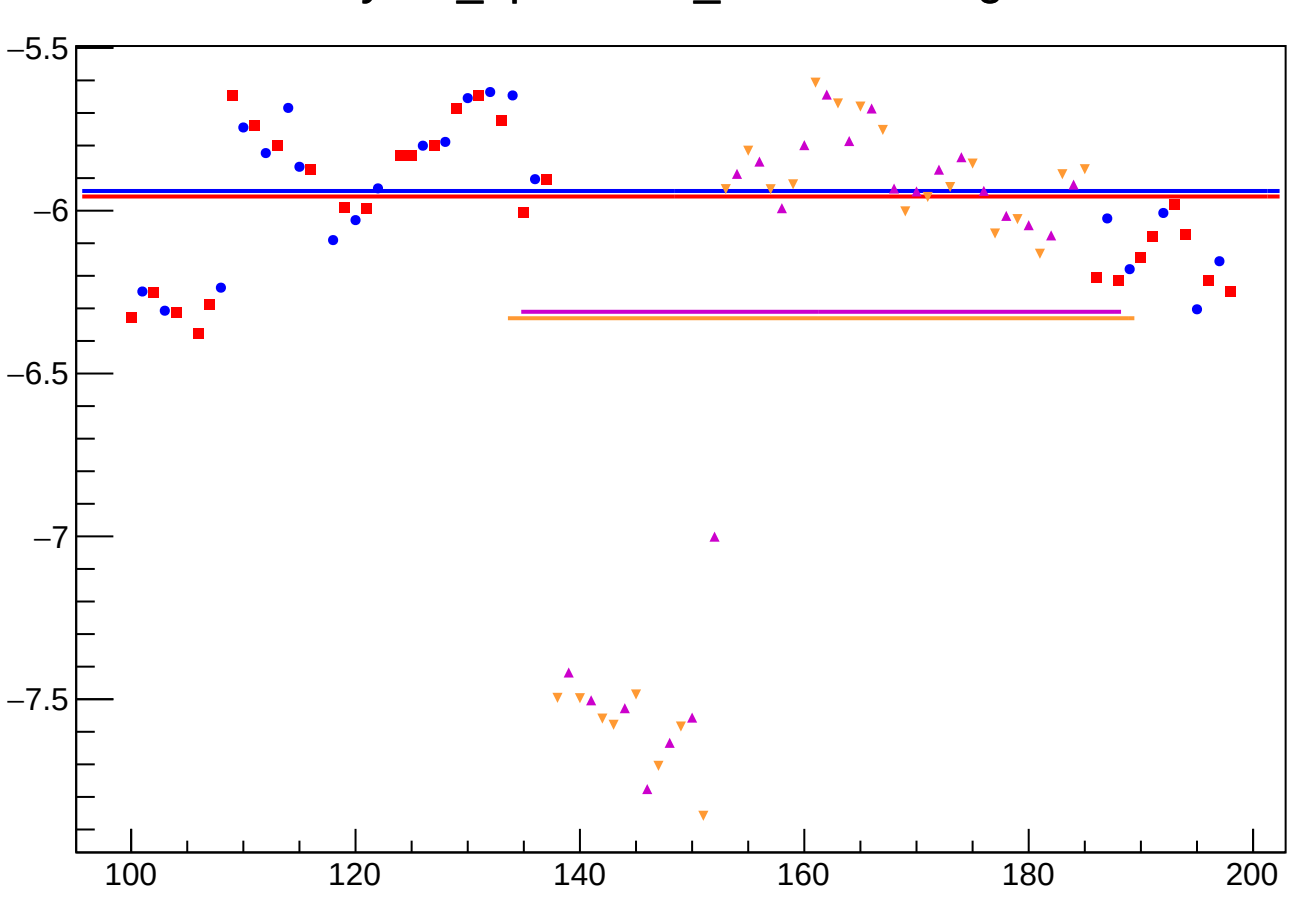
Right Out: 0.007+/-0.000 χ^2/NDF: 1242485.4/26

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1671071.3/45

All: 0.007+/-0.000 χ^2/NDF: 3707199.9/95

- sign 0.007+/-0.000 χ^2/NDF: 2033542.7/49



Right In: -5.940+/-0.000 χ^2/NDF: 12903137558.3/20

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

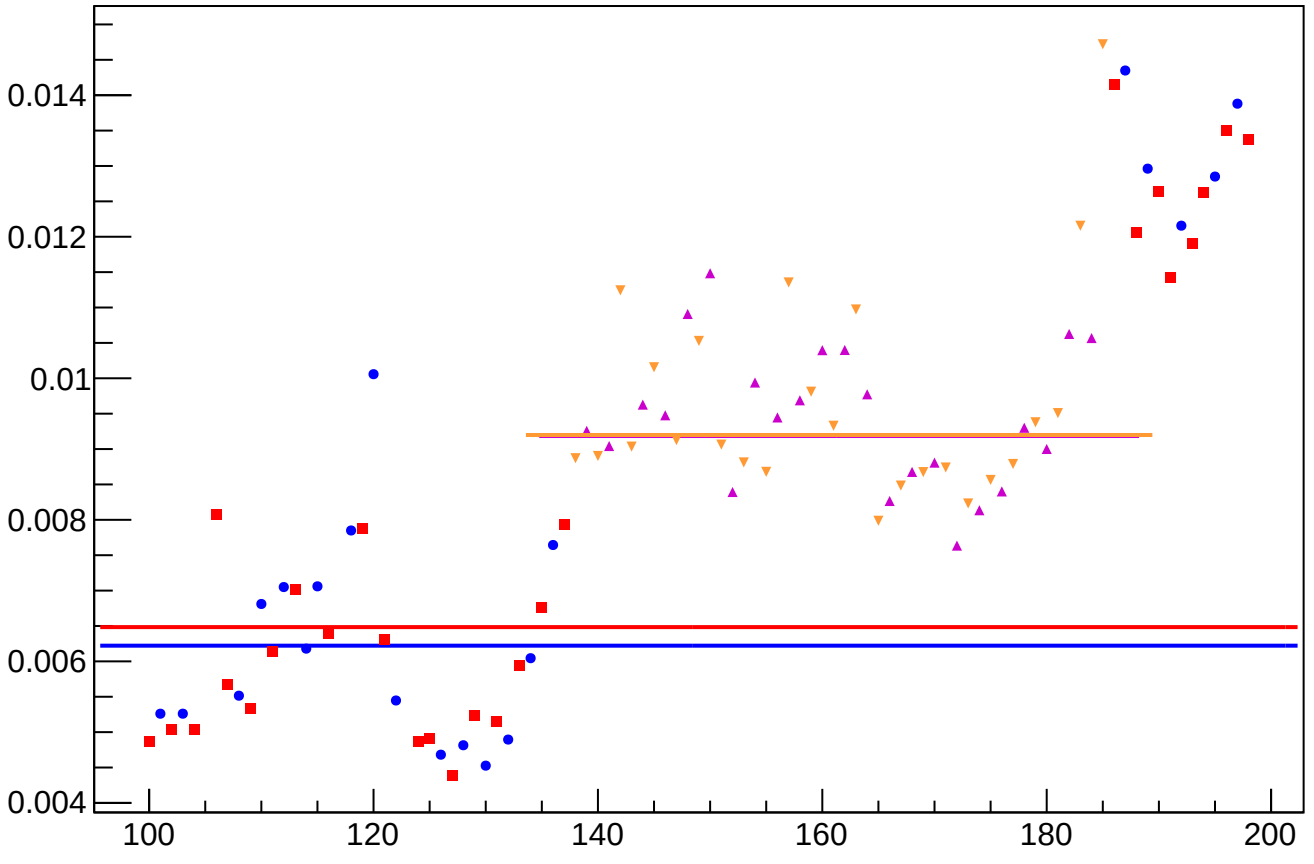
Right Out: -5.957+/-0.000 χ^2/NDF: 14217837913.4/26

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.122+/-0.000 χ^2/NDF: 138749211681.6/45

All: -6.115+/-0.000 χ^2/NDF: 257743080558.9

- sign -6.109+/-0.000 χ^2/NDF: 118956059366.5/49



Right In: 0.006+/-0.000 χ^2/NDF: 2432263.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 3182038.1/26

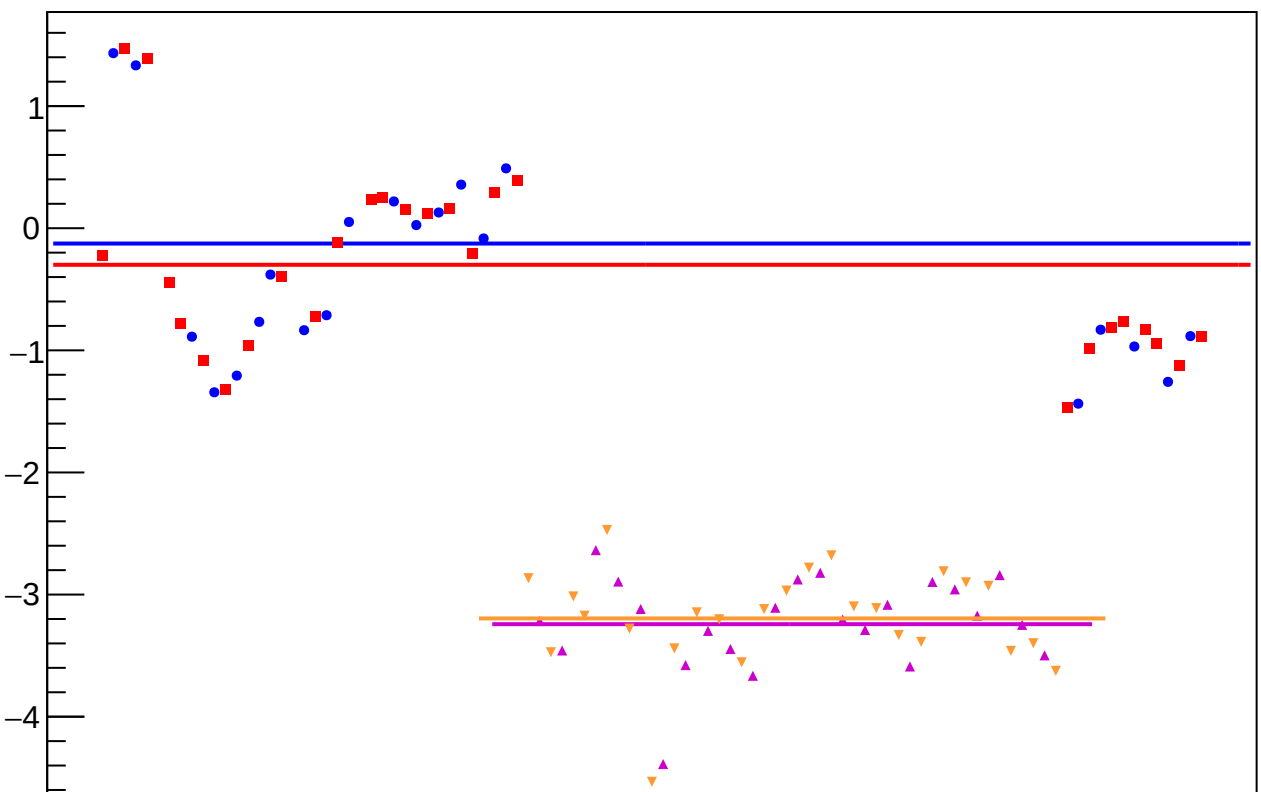
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 4600718.0/45

All: 0.008+/-0.000 χ^2/NDF: 9621365.3/95

- sign 0.008+/-0.000 χ^2/NDF: 5020226.1/49

yield_bpm0l02X_mean vs Slug



Right In: -0.125+/-0.000 χ^2/NDF: 29381663507.4/20

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.299+/-0.000 χ^2/NDF: 33023881112.4/26

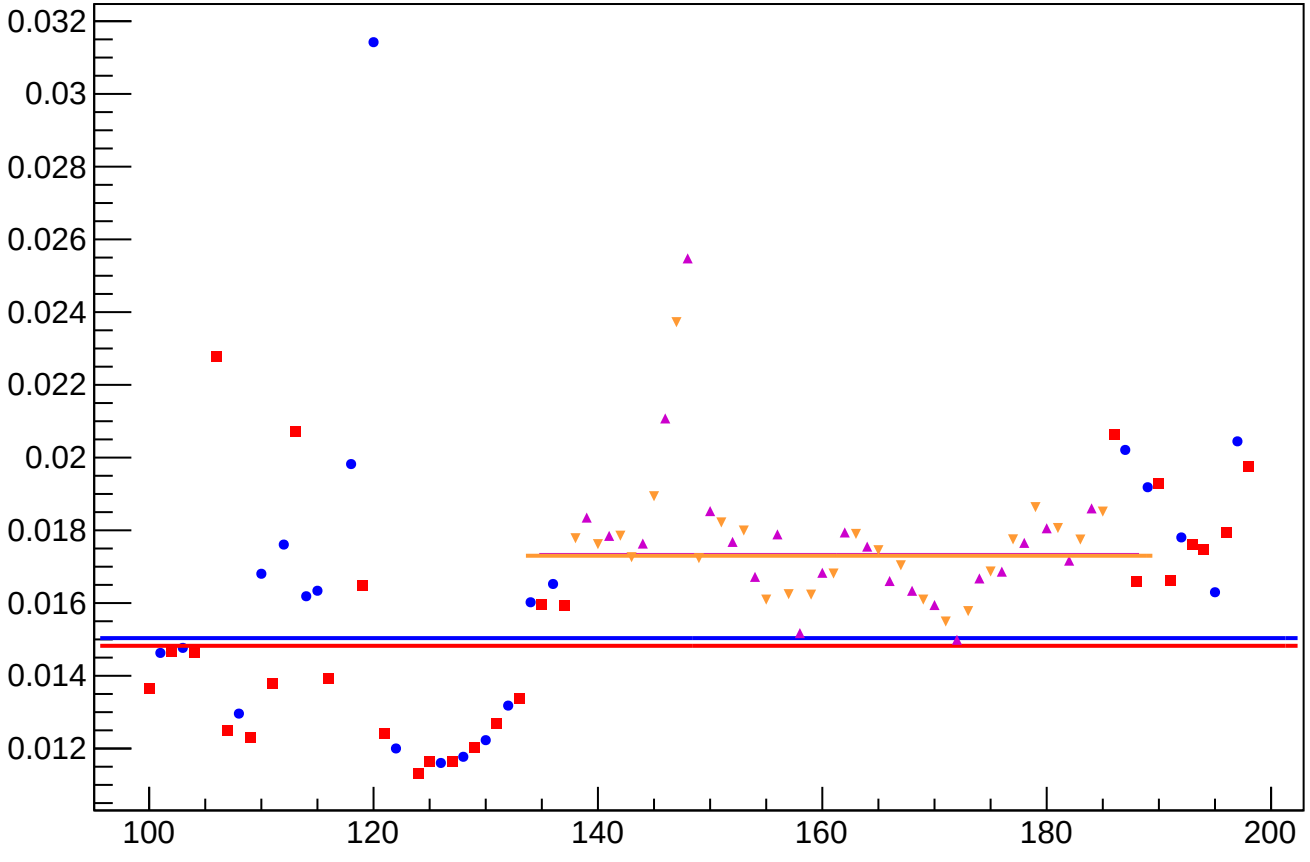
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.960+/-0.000 χ^2/NDF: 274267022559.2/45

All: -1.898+/-0.000 χ^2/NDF: 557103167567.2

- sign -1.840+/-0.000 χ^2/NDF: 282055422956.8/49

yield_bpm0l02X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 763040.1/20

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.015+/-0.000 χ^2/NDF: 796168.2/26

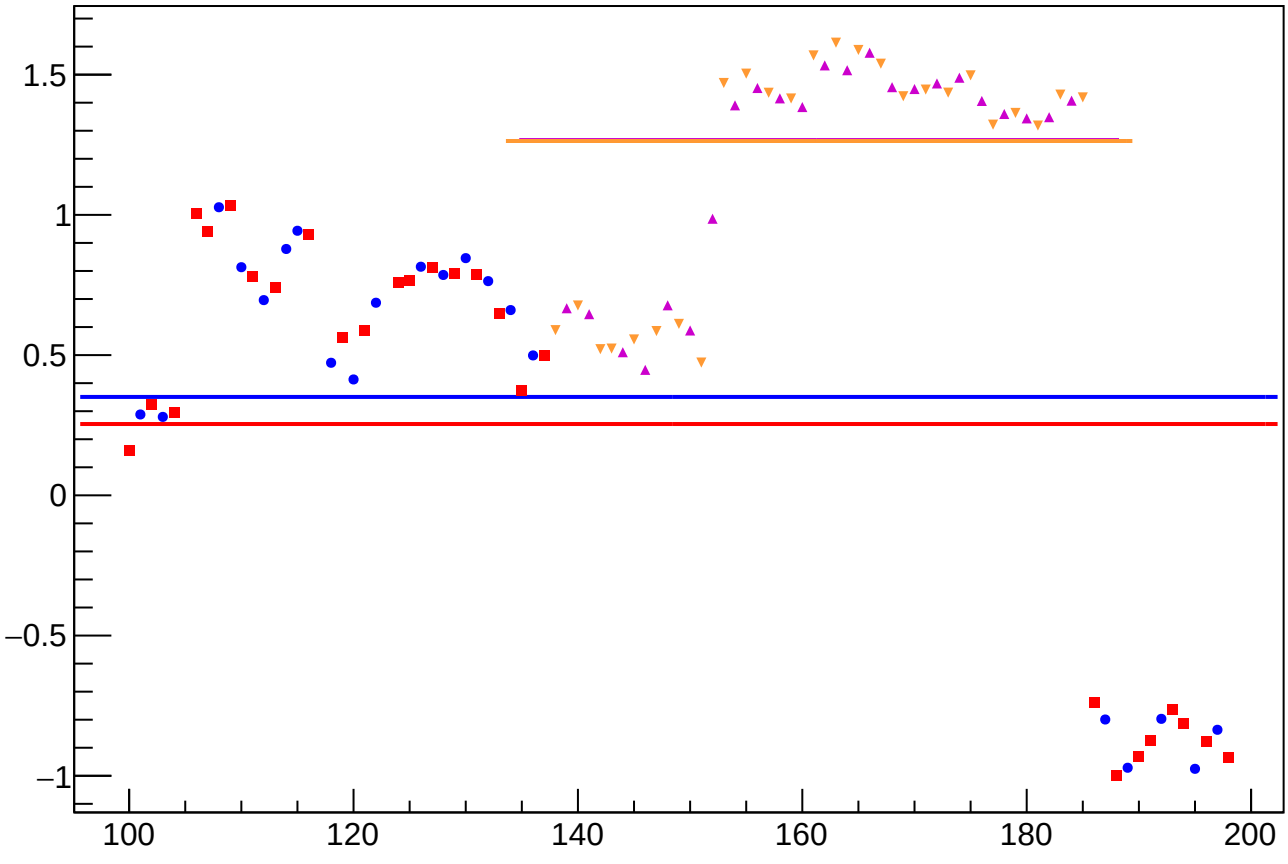
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1237292.4/45

All: 0.016+/-0.000 χ^2/NDF: 2717976.7/95

- sign 0.016+/-0.000 χ^2/NDF: 1473531.3/49

yield_bpm0l02Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF: 42494987128.5/20

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.254+/-0.000 χ^2/NDF: 63396794693.5/26

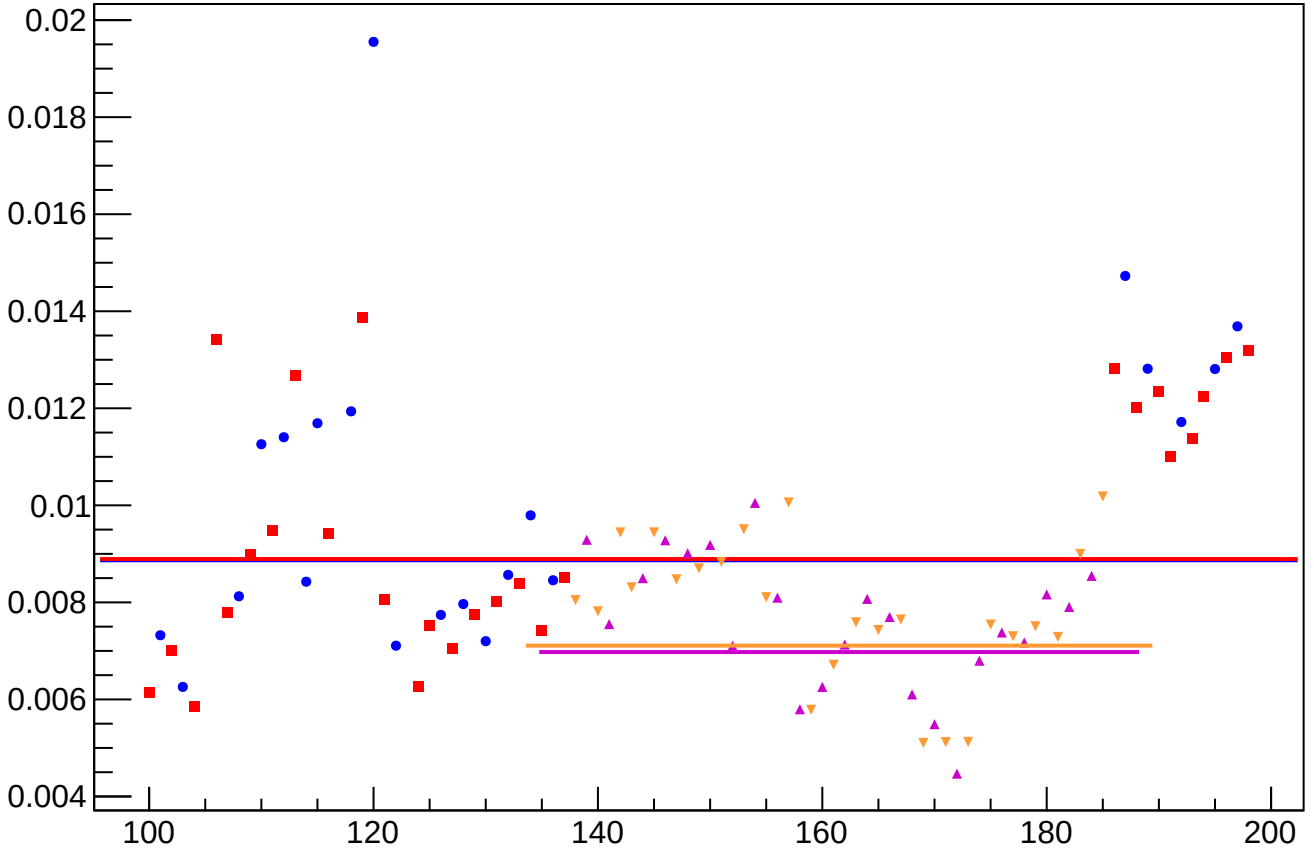
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.032+/-0.000 χ^2/NDF: 159251715687.9/45

All: 1.000+/-0.000 χ^2/NDF: 361788876287.6

- sign 0.969+/-0.000 χ^2/NDF: 201633493635.9/49

yield_bpm0l02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1342913.1/20

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

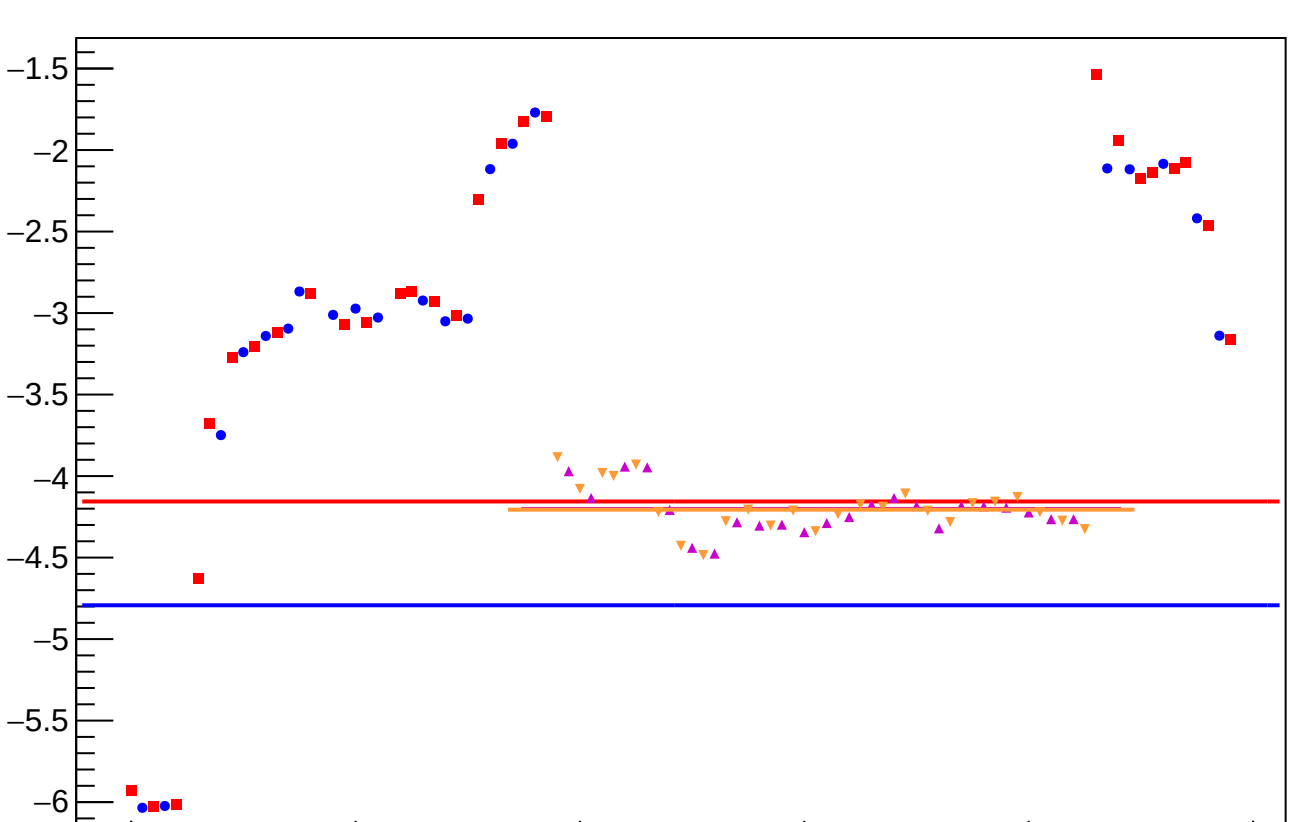
Right Out: 0.009+/-0.000 χ^2/NDF: 1639929.2/26

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 3390617.2/45

All: 0.008+/-0.000 χ^2/NDF: 7209113.9/95

- sign 0.008+/-0.000 χ^2/NDF: 3818380.5/49



Right In: -4.792+/-0.000 χ^2/NDF: 225874888914.3/20

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.156+/-0.000 χ^2/NDF: 294208103298.9/26

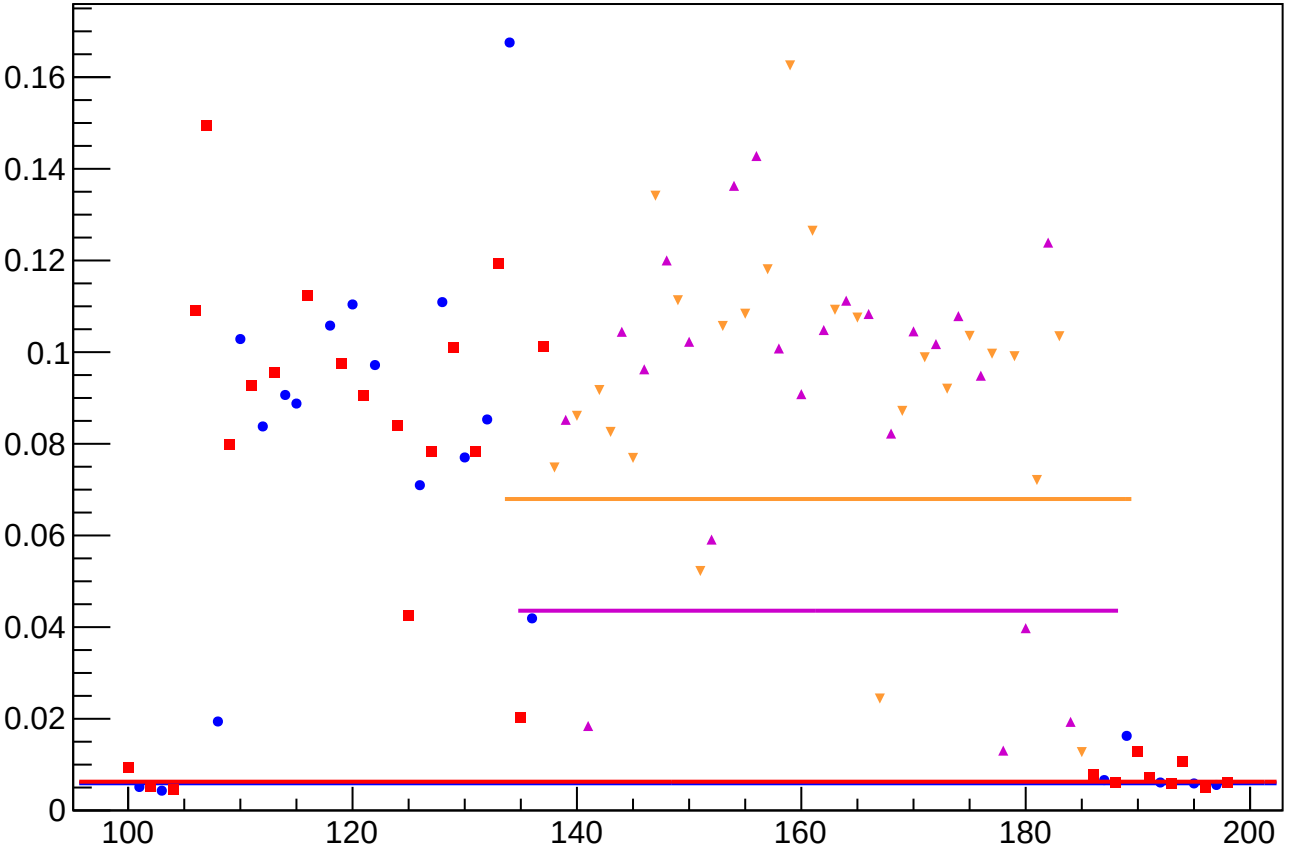
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.773+/-0.000 χ^2/NDF: 226821121089.0/45

All: -4.454+/-0.000 χ^2/NDF: 536816876074.3

- sign -4.158+/-0.000 χ^2/NDF: 294259074165.3/49

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8799046.0/20

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8911924.5/26

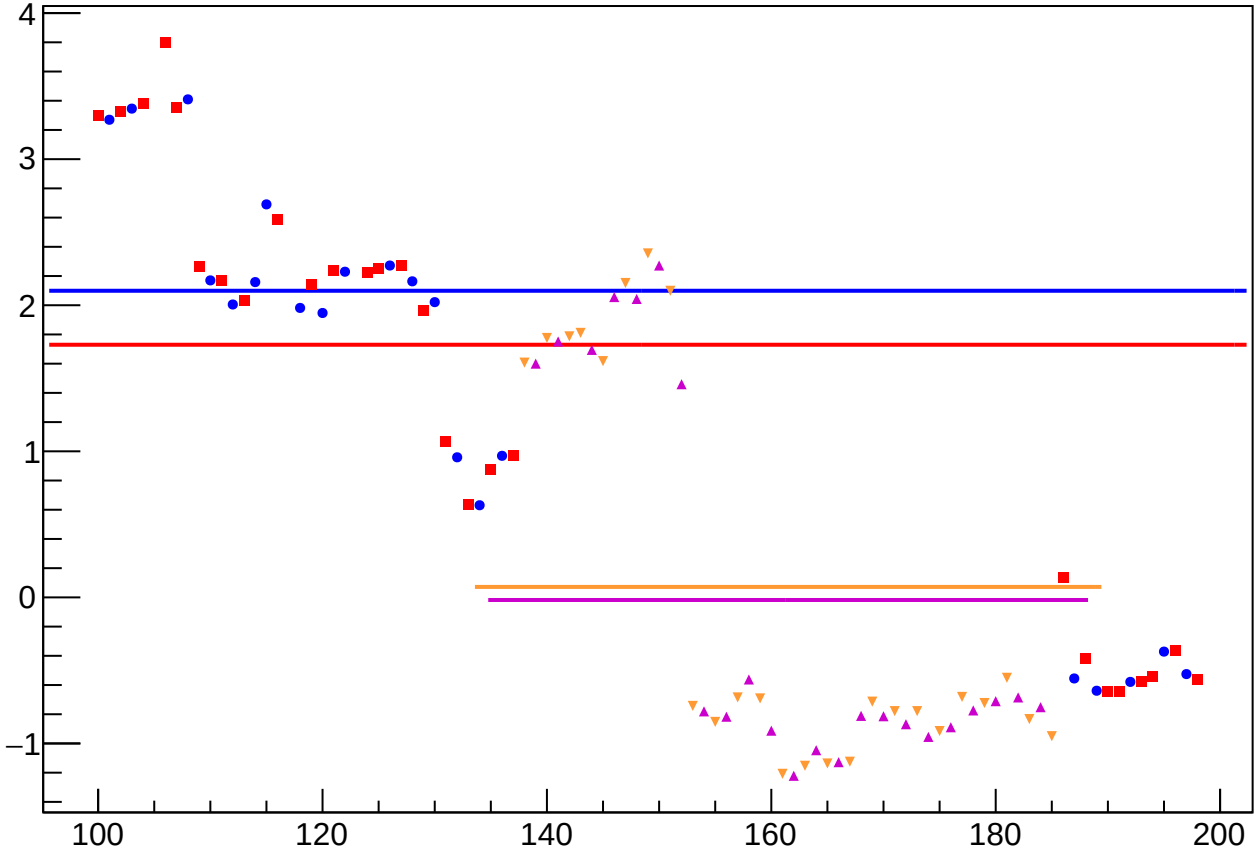
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 36224378.0/45

All: 0.008+/-0.000 χ^2/NDF: 68748034.8/95

- sign 0.008+/-0.000 χ^2/NDF: 32523396.8/49

yield_bpm0l03Y_mean vs Slug



Right In: 2.099+/-0.000 χ^2/NDF: 138624539703.8/20

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.730+/-0.000 χ^2/NDF: 175419460245.0/26

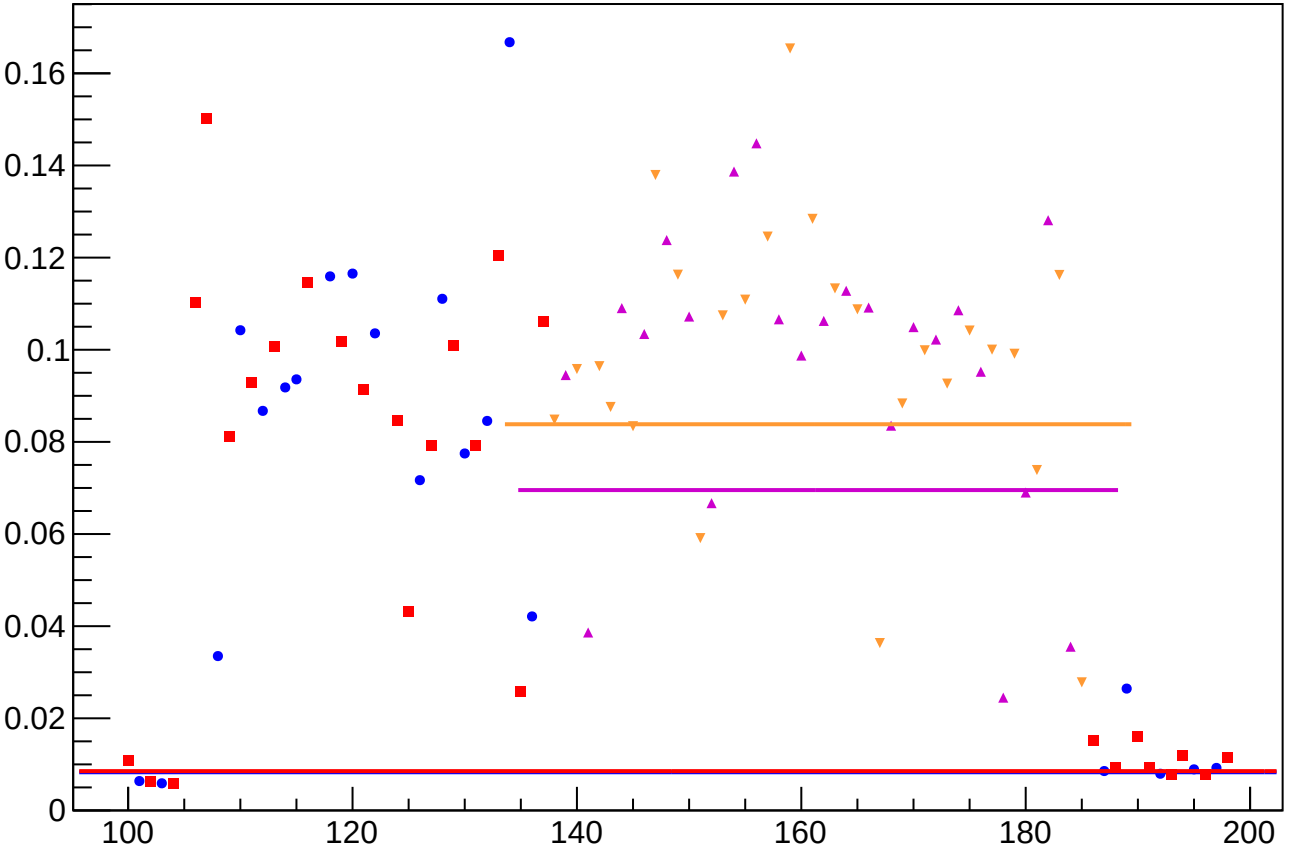
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 2.010+/-0.000 χ^2/NDF: 150346015595.7/45

All: 1.820+/-0.000 χ^2/NDF: 339360737867.4

- sign 1.650+/-0.000 χ^2/NDF: 185807245147.5/49

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8586399.2/20

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

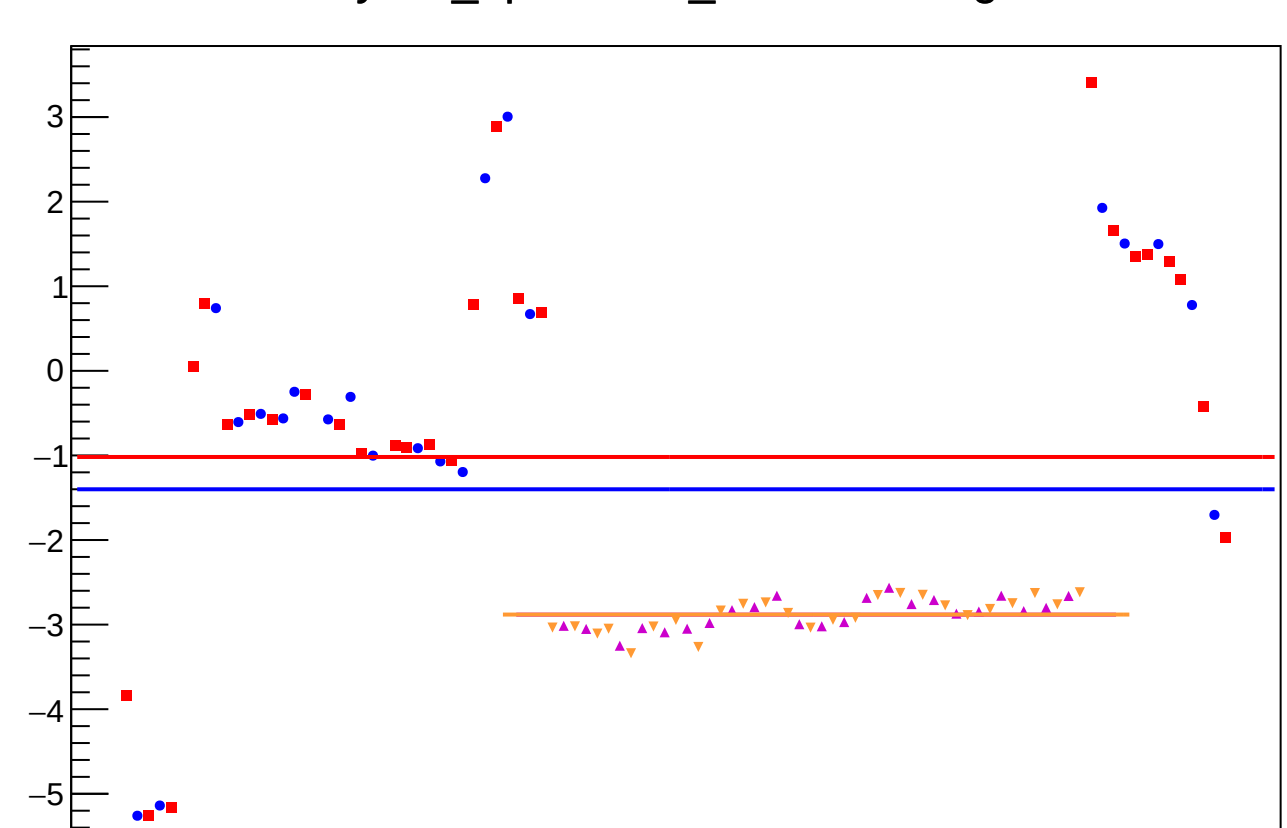
Right Out: 0.009+/-0.000 χ^2/NDF: 8754828.3/26

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 34866481.9/45

All: 0.011+/-0.000 χ^2/NDF: 67220672.0/95

- sign 0.011+/-0.000 χ^2/NDF: 32349605.9/49



Right In: -1.400+/-0.000 χ^2/NDF: 206017321194.0/20

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.018+/-0.000 χ^2/NDF: 231237354123.6/26

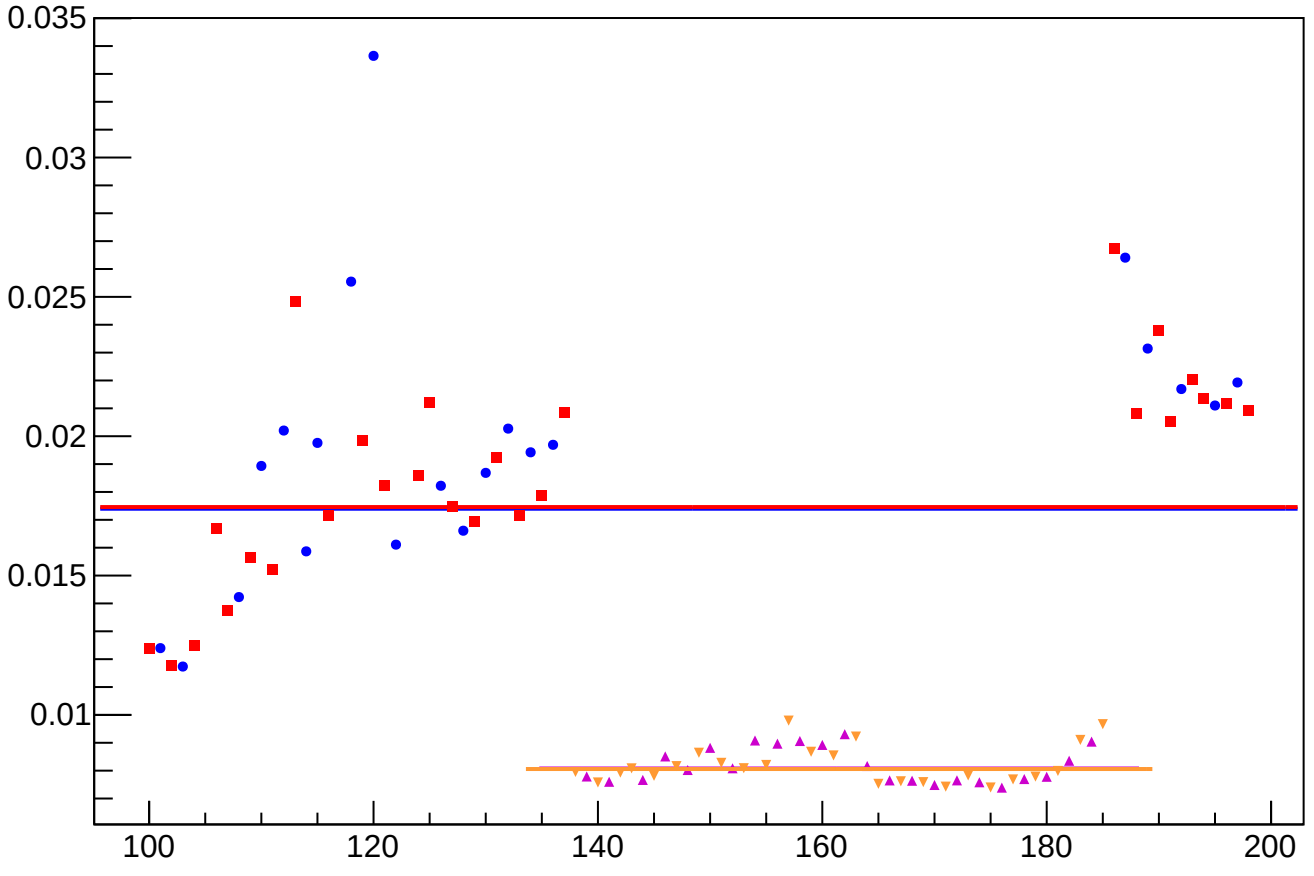
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.742+/-0.000 χ^2/NDF: 275135203510.8/45

All: -2.700+/-0.000 χ^2/NDF: 628453666013.2

- sign -2.657+/-0.000 χ^2/NDF: 352192289609.4/49

yield_bpm0l04X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 1117436.5/20

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.017+/-0.000 χ^2/NDF: 1075329.0/26

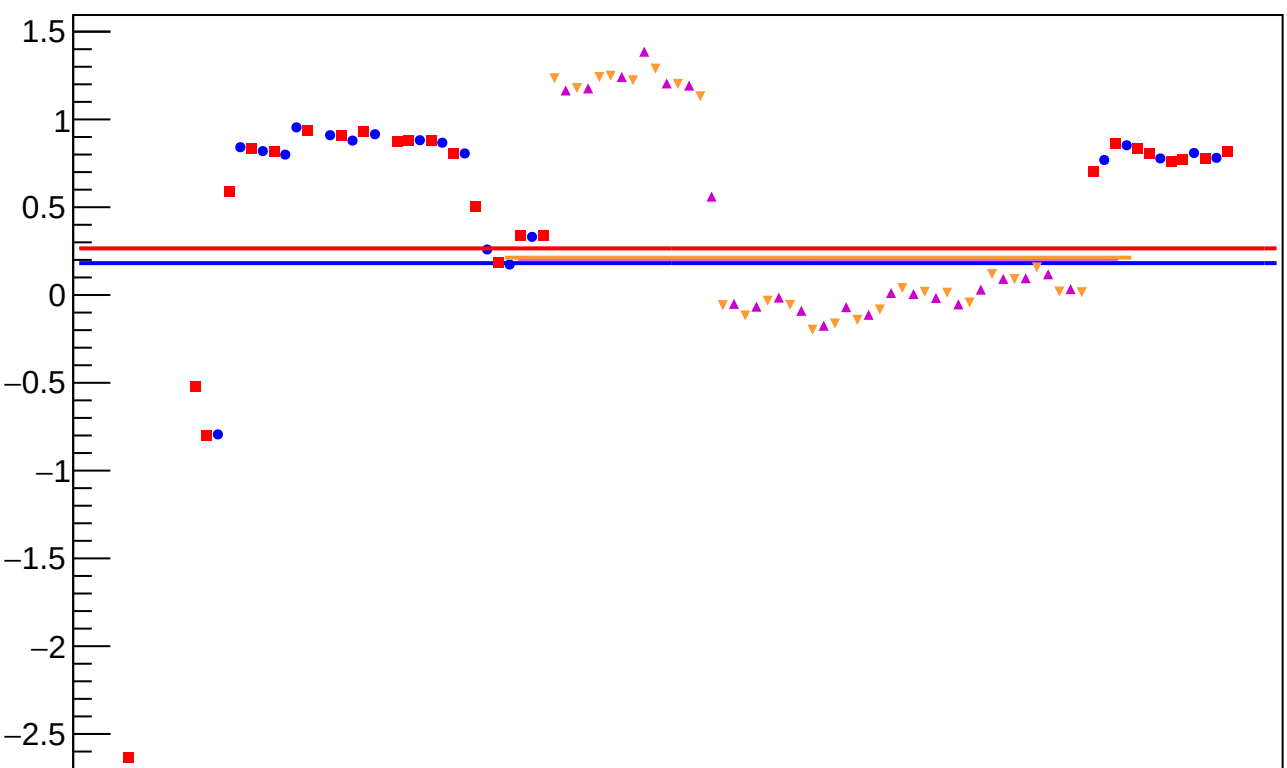
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 5961739.8/45

All: 0.009+/-0.000 χ^2/NDF: 12947179.8/95

- sign 0.009+/-0.000 χ^2/NDF: 6961619.1/49

yield_bpm0l04Y_mean vs Slug



Right In: 0.182+/-0.000 χ^2/NDF: 912270467313.7/20

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.266+/-0.000 χ^2/NDF: 1017562810439.6/26

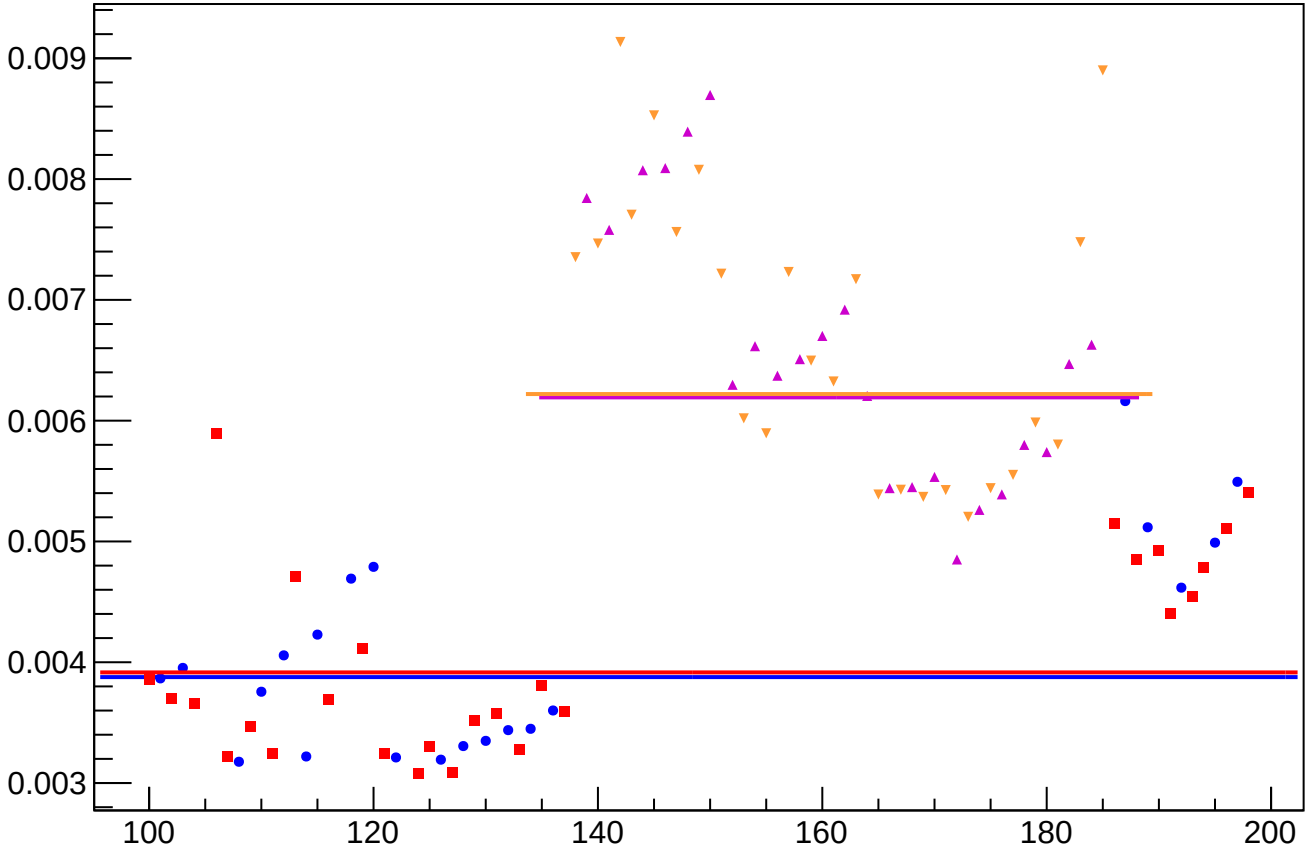
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.194+/-0.000 χ^2/NDF: 1015340764953.8/45

All: 0.221+/-0.000 χ^2/NDF: 2122415684774.

- sign 0.245+/-0.000 χ^2/NDF: 1105585156498.7/49

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 642123.6/20

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 825025.4/26

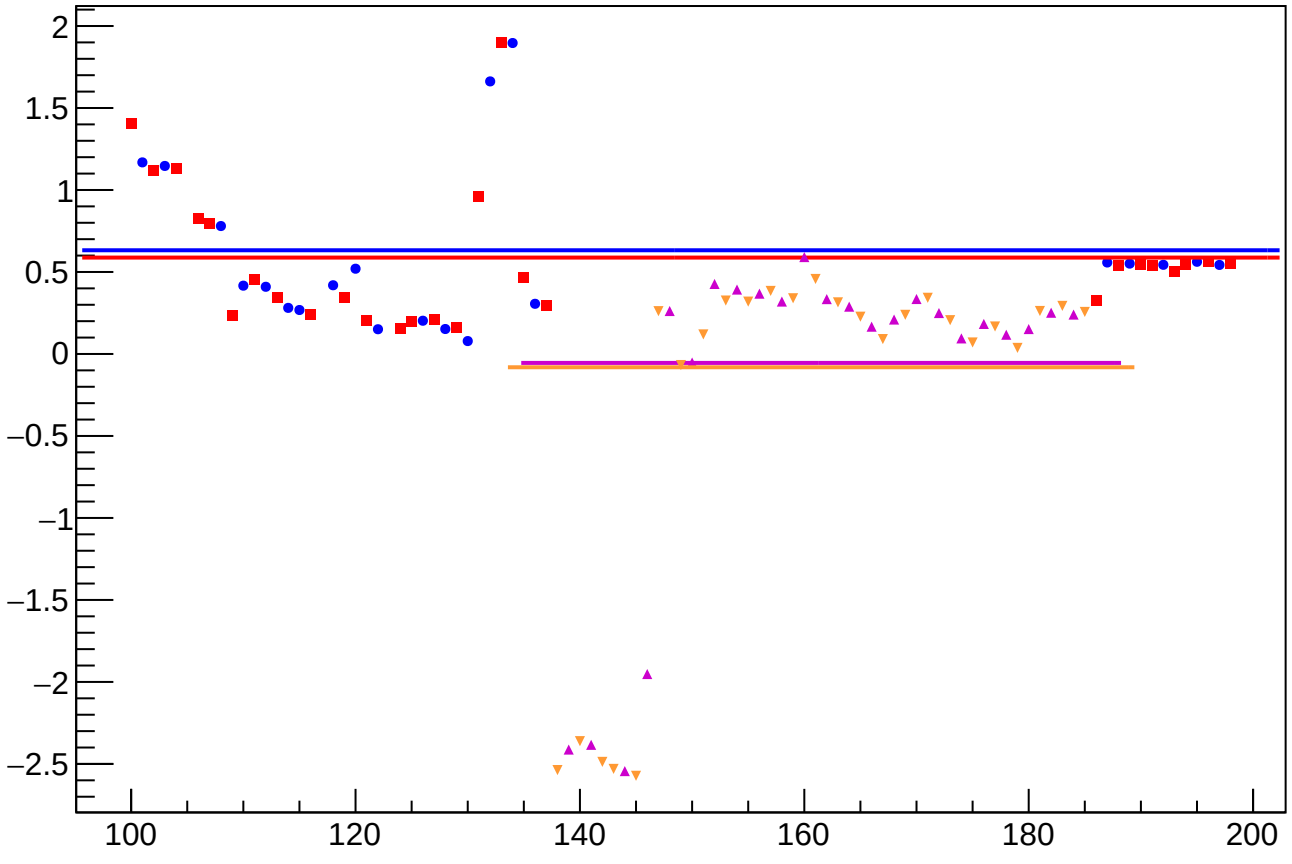
Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4297660.5/45

All: 0.005+/-0.000 χ^2/NDF: 8740647.4/95

- sign 0.005+/-0.000 χ^2/NDF: 4431311.7/49

yield_bpm0l05X_mean vs Slug



Right In: 0.632+/-0.000 χ^2/NDF: 42360008229.1/20

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.588+/-0.000 χ^2/NDF: 43426447543.4/26

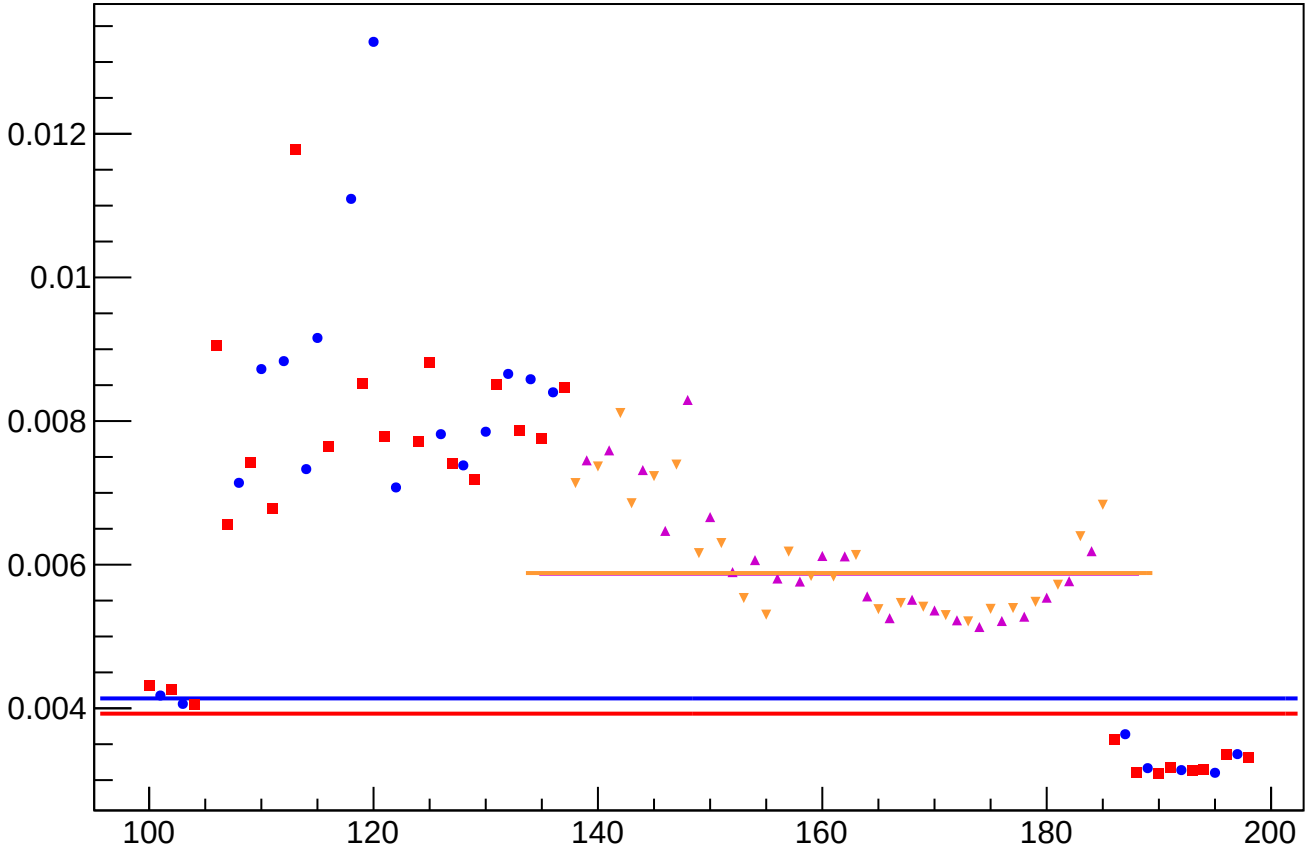
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.260+/-0.000 χ^2/NDF: 554049156580.1/45

All: 0.290+/-0.000 χ^2/NDF: 1061172509324.

- sign 0.315+/-0.000 χ^2/NDF: 505544355503.9/49

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3227190.3/20

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3316216.4/26

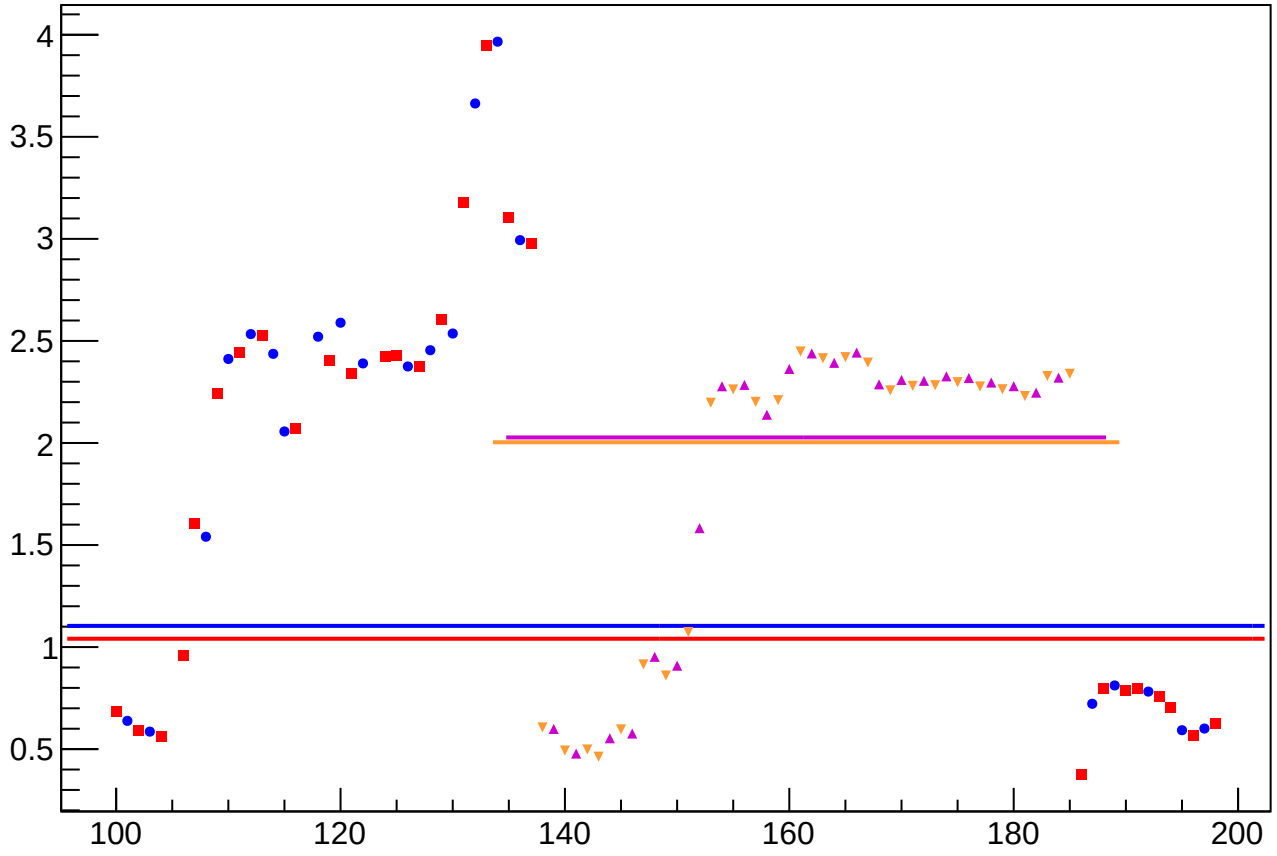
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5161834.7/45

All: 0.005+/-0.000 χ^2/NDF: 11209988.3/95

- sign 0.005+/-0.000 χ^2/NDF: 5956769.0/49

yield_bpm0l05Y_mean vs Slug



Right In: 1.104+/-0.000 χ^2/NDF: 209989981036.3/20

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.041+/-0.000 χ^2/NDF: 247881774295.6/26

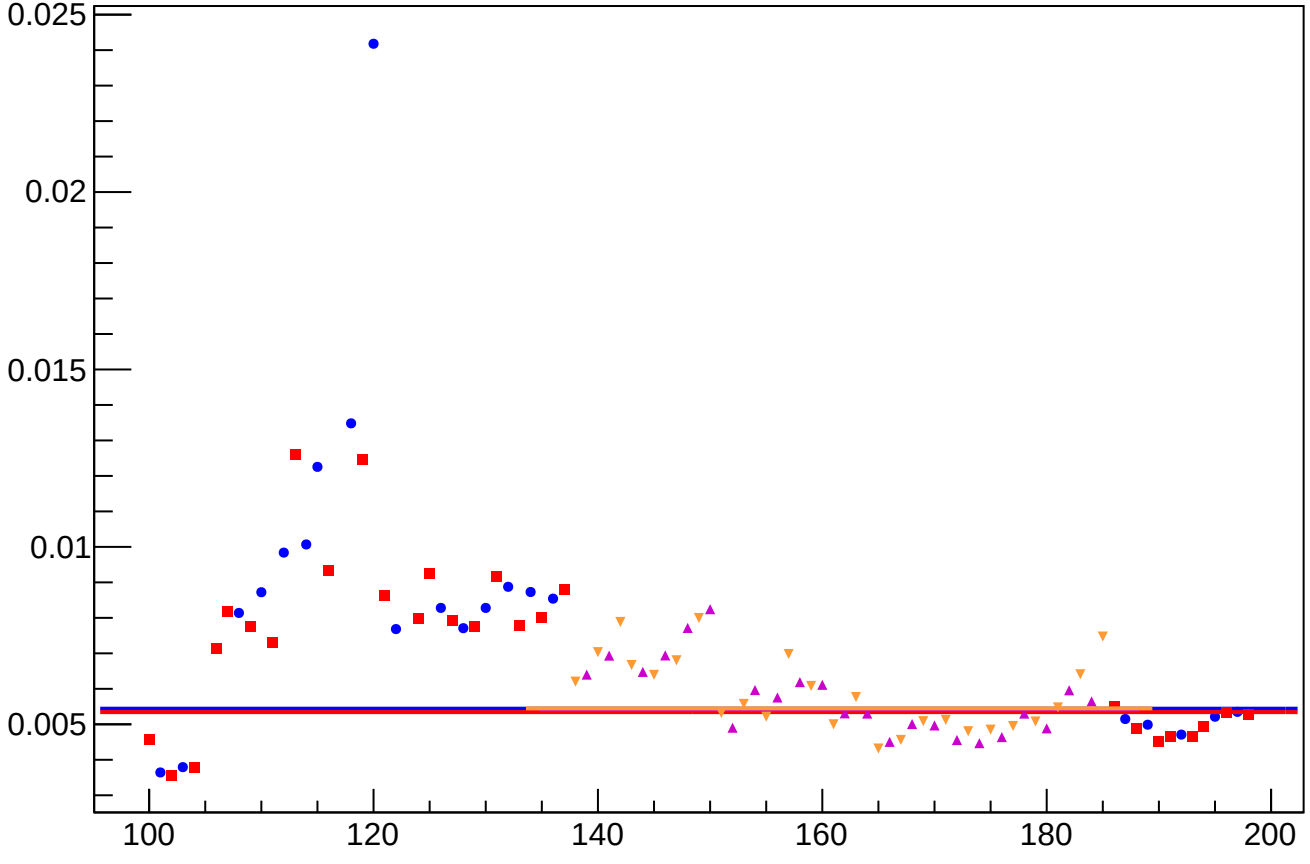
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.702+/-0.000 χ^2/NDF: 578680295217.3/45

All: 1.661+/-0.000 χ^2/NDF: 1235283053337.

- sign 1.623+/-0.000 χ^2/NDF: 653925520677.5/49

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2306169.7/20

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2124412.7/26

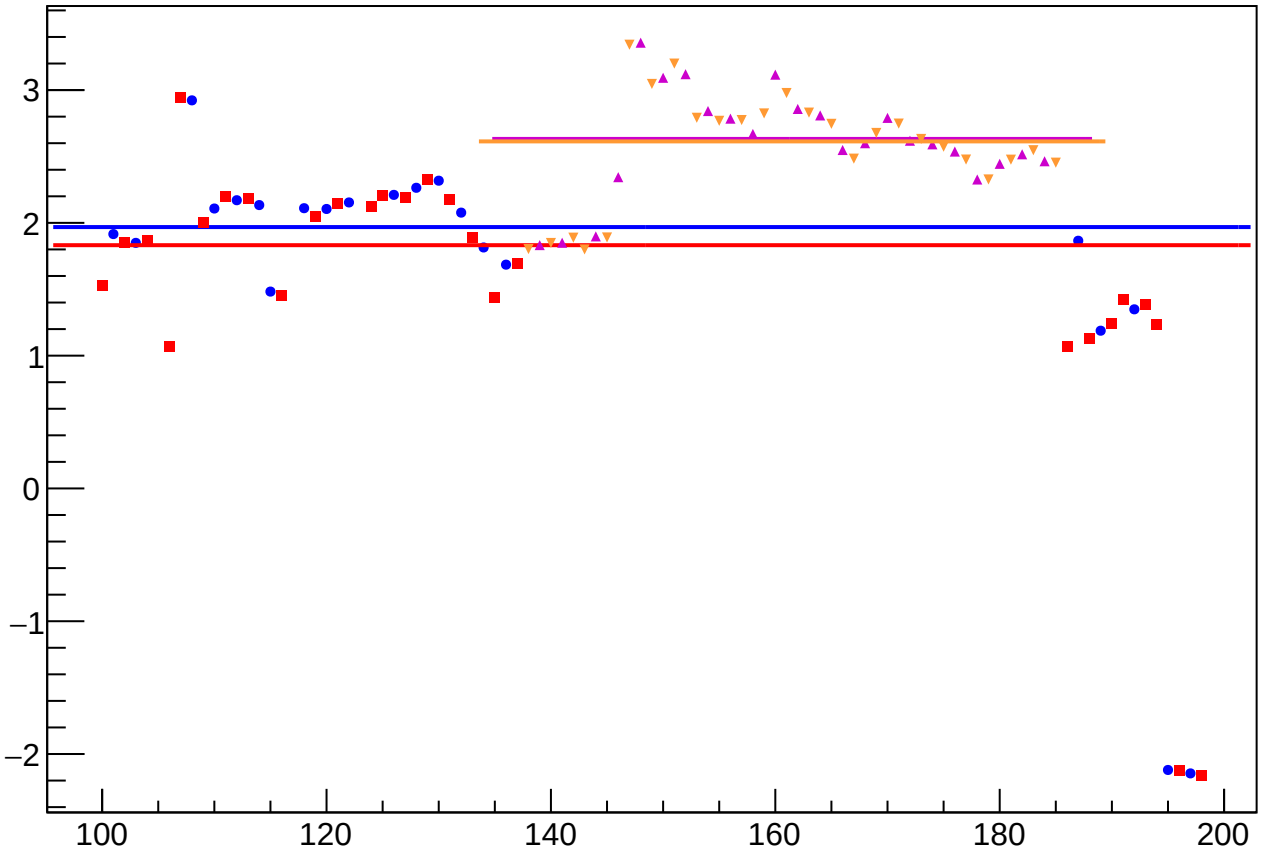
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3077619.6/45

All: 0.005+/-0.000 χ^2/NDF: 6022582.0/95

- sign 0.005+/-0.000 χ^2/NDF: 2941192.3/49

yield_bpm0l06X_mean vs Slug



Right In: 1.968+/-0.000 χ^2/NDF: 60776050438.7/20

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.832+/-0.000 χ^2/NDF: 71301734077.0/26

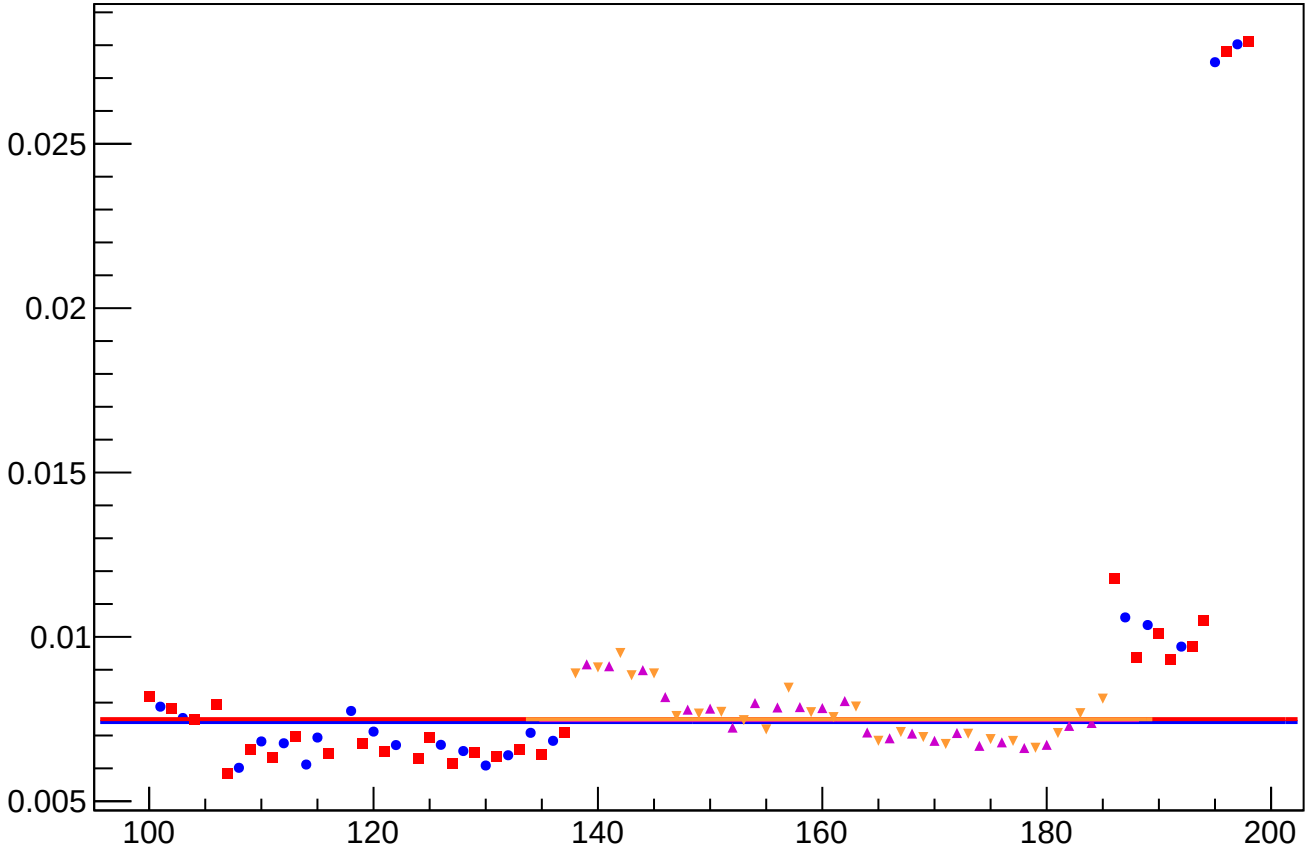
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.395+/-0.000 χ^2/NDF: 152733513723.3/45

All: 2.358+/-0.000 χ^2/NDF: 342916092427.5

- sign 2.322+/-0.000 χ^2/NDF: 188863599240.5/49

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 2256505.8/20

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2529977.1/26

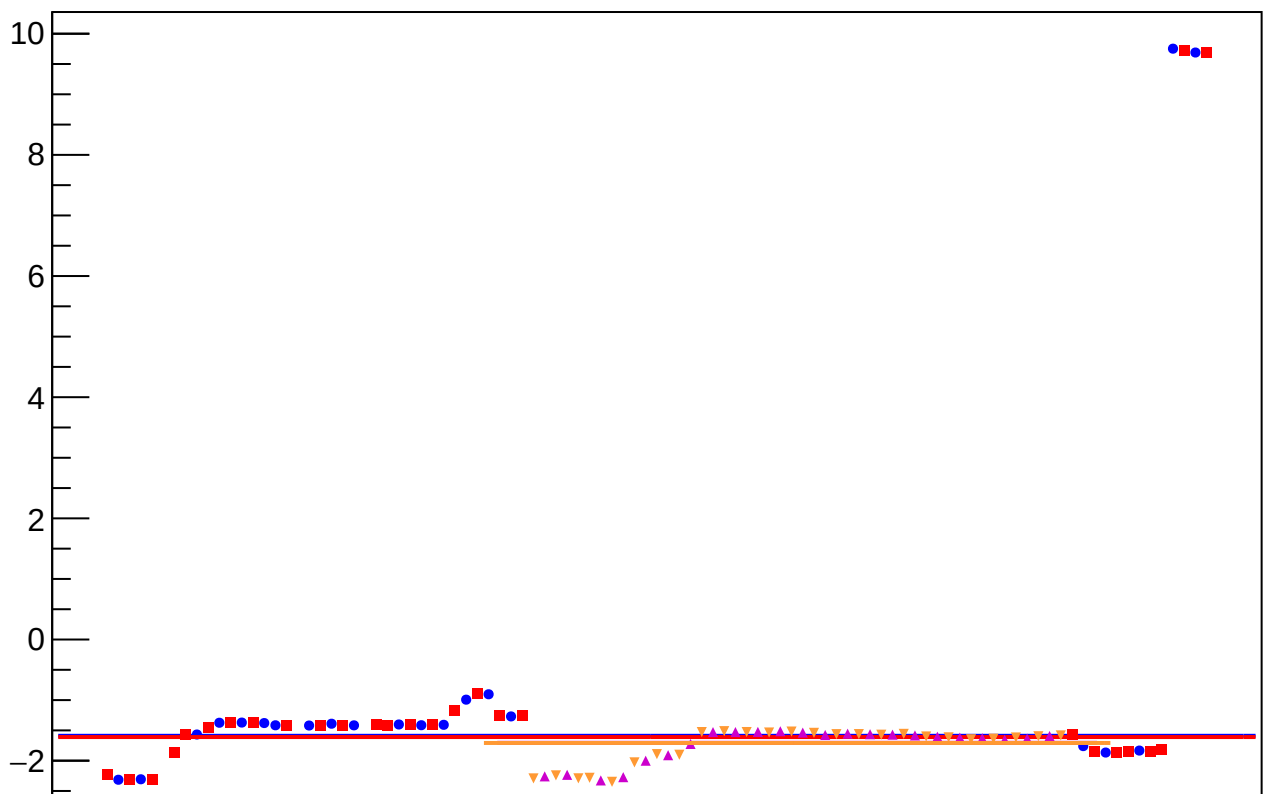
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF: 2590791.8/45

All: 0.007+/-0.000 χ^2/NDF: 5442995.9/95

- sign 0.007+/-0.000 χ^2/NDF: 2852113.9/49

yield_bpm0l06Y_mean vs Slug



Right In: -1.589+/-0.000 χ^2/NDF: 244502365471.7/20

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.610+/-0.000 χ^2/NDF: 251281826415.9/26

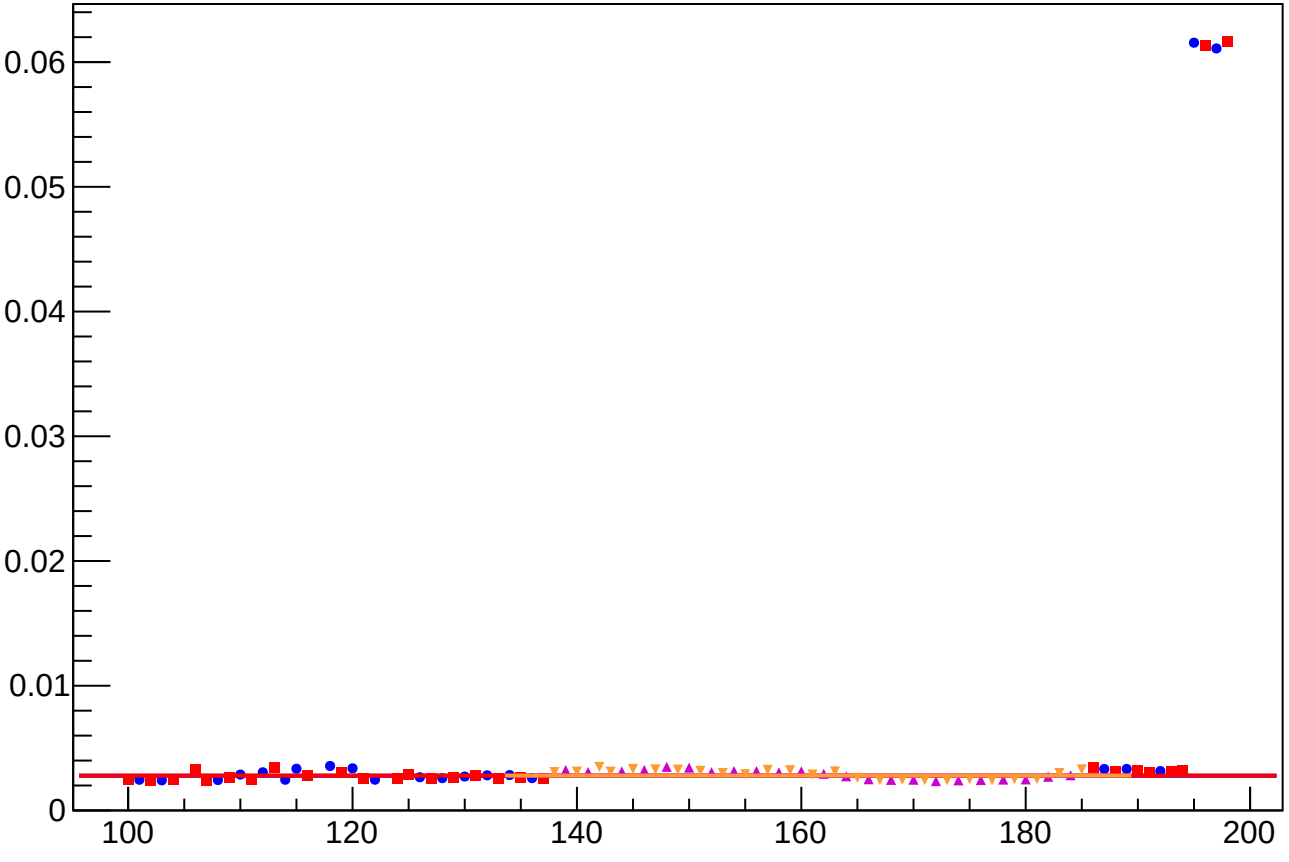
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.669+/-0.000 χ^2/NDF: 406687190220.4/45

All: -1.669+/-0.000 χ^2/NDF: 802040842203.2

- sign -1.669+/-0.000 χ^2/NDF: 395353625705.1/49

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3374880.5/20

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

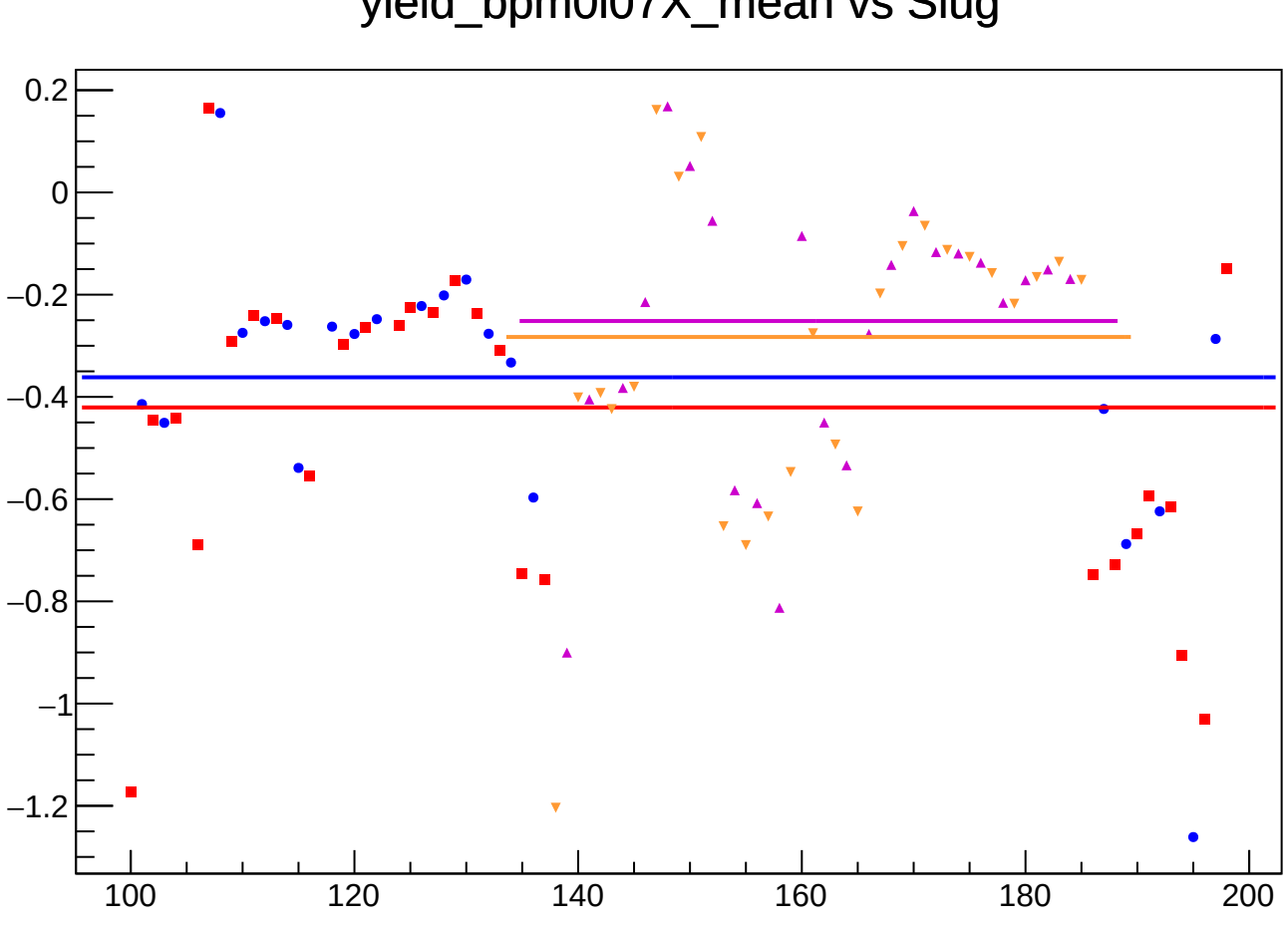
Right Out: 0.003+/-0.000 χ^2/NDF: 3310961.2/26

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

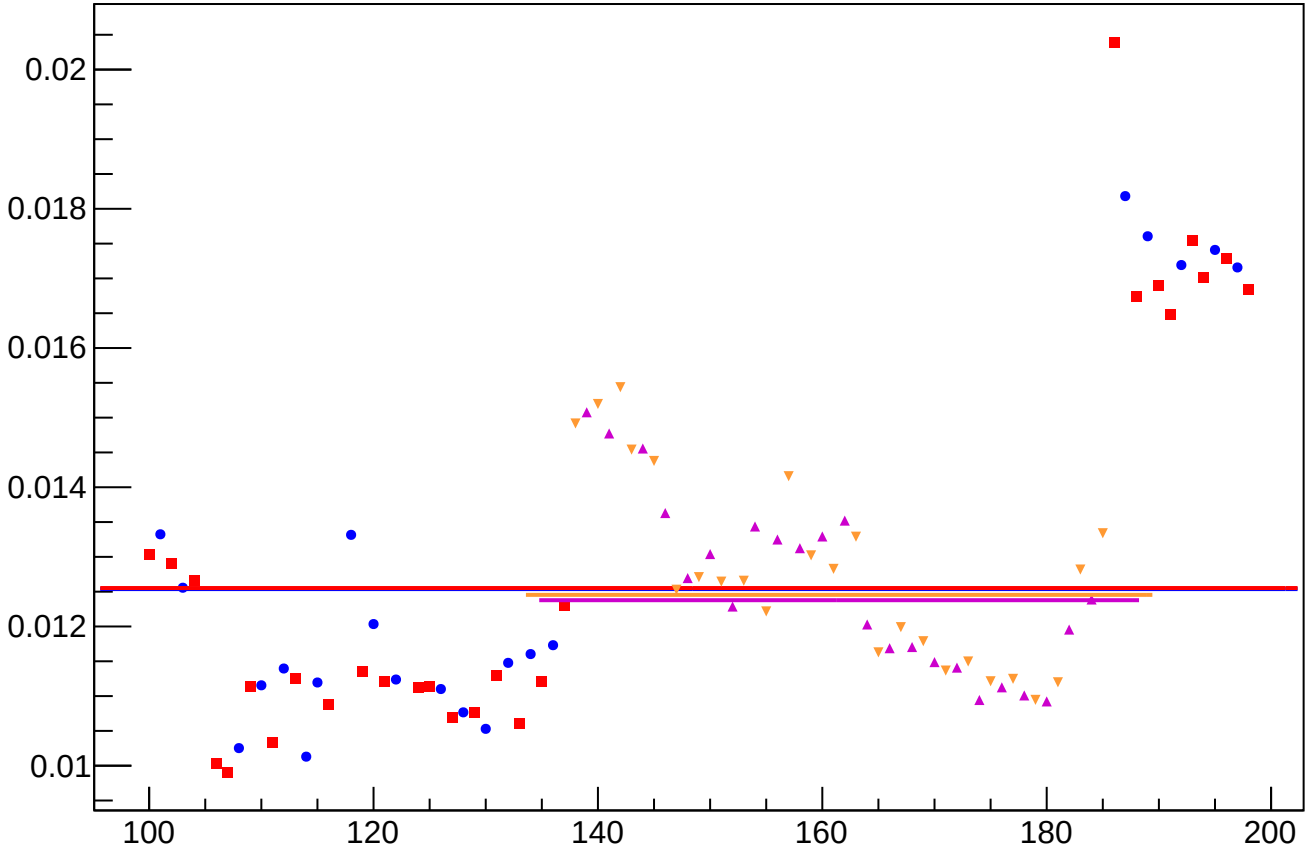
+ sign 0.003+/-0.000 χ^2/NDF: 3923004.0/45

All: 0.003+/-0.000 χ^2/NDF: 7791440.3/95

- sign 0.003+/-0.000 χ^2/NDF: 3868425.4/49


yield_bpm0l07X_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
120
140
160
180
200
Right In: -0.362+/-0.000 χ²/NDF: 4610808220.9/20
Left Out: -0.283+/-0.000 χ²/NDF:9343511244.8/24
Right Out: -0.421+/-0.000 χ²/NDF: 5541598462.2/26
Left In: -0.252+/-0.000 χ²/NDF:7167367678.6/22
+ sign -0.310+/-0.000 χ²/NDF: 14209748516.7/45
All: -0.315+/-0.000 χ²/NDF: 28225625546.3/
- sign -0.320+/-0.000 χ²/NDF: 14008033097.9/49

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 706160.5/20

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1079388.4/26

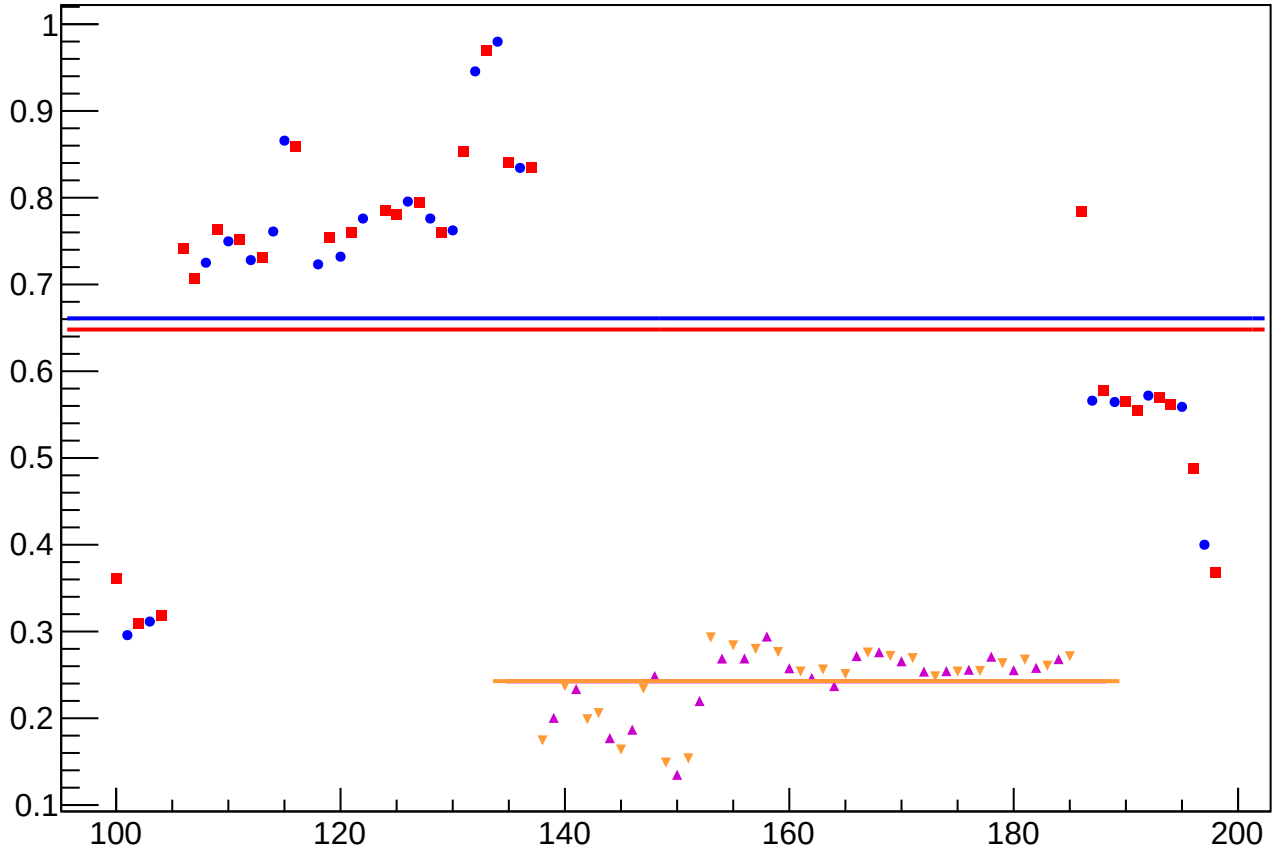
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 1048157.3/45

All: 0.012+/-0.000 χ^2/NDF: 2457483.3/95

- sign 0.012+/-0.000 χ^2/NDF: 1409094.3/49

yield_bpm0l07Y_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF: 60807252073.1/20

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.648+/-0.000 χ^2/NDF: 62602028355.2/26

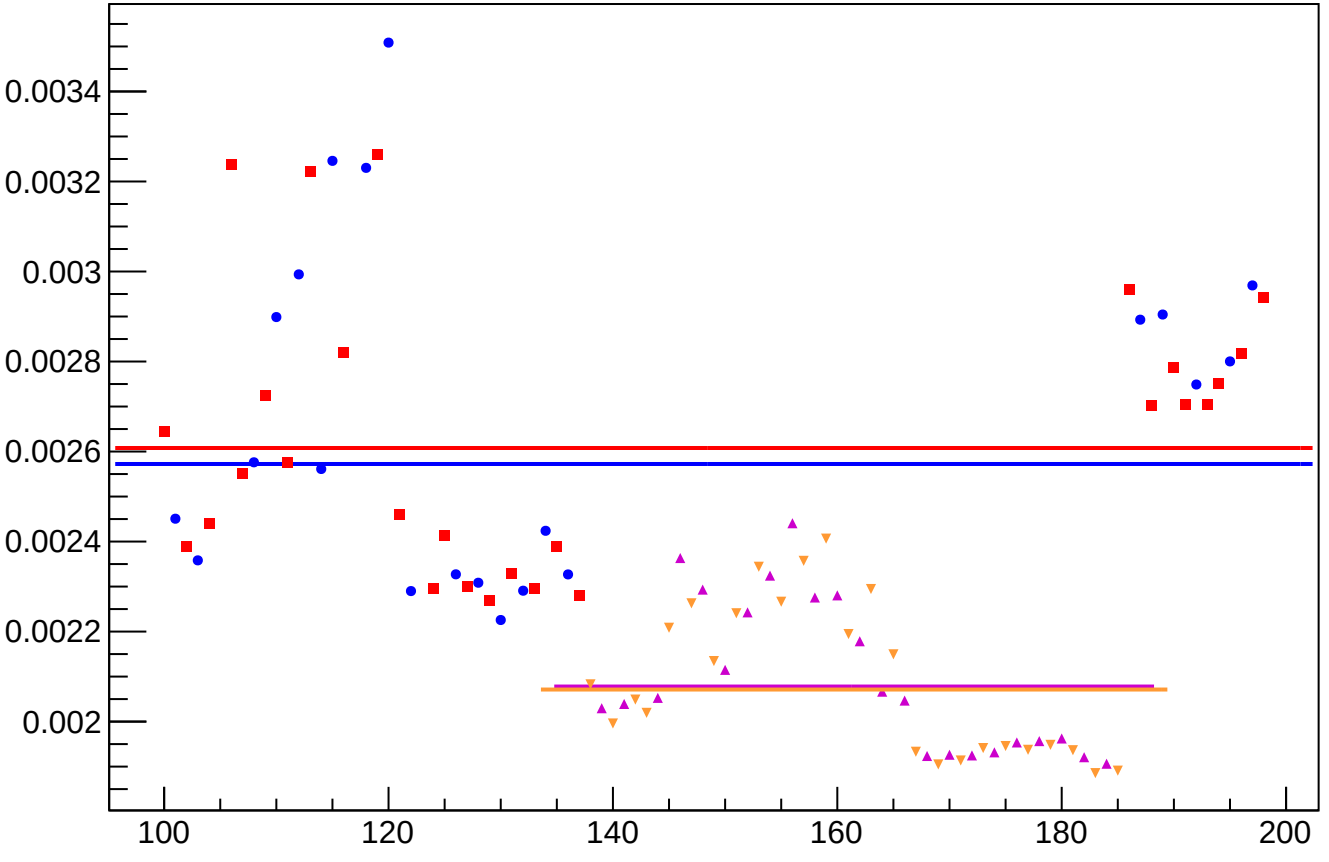
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.349+/-0.000 χ^2/NDF: 266480494148.1/45

All: 0.357+/-0.000 χ^2/NDF: 542058159047.0

- sign 0.364+/-0.000 χ^2/NDF: 274928851767.8/49

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 295988.8/20

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 257391.1/26

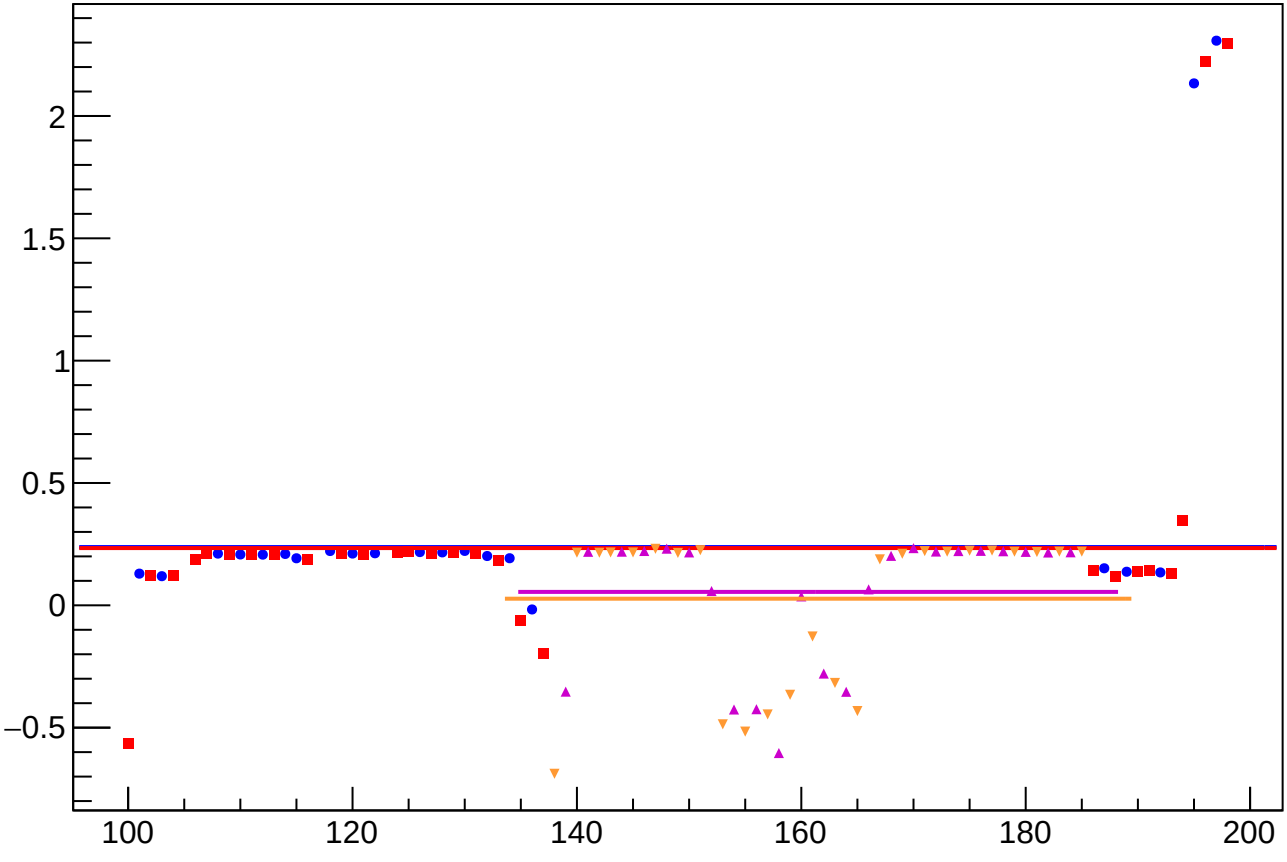
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 1099661.0/45

All: 0.002+/-0.000 χ^2/NDF: 2282876.5/95

- sign 0.002+/-0.000 χ^2/NDF: 1174680.1/49

yield_bpm0l08X_mean vs Slug



Right In: 0.238+/-0.000 χ^2/NDF: 11145423166.5/20

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.234+/-0.000 χ^2/NDF: 13778193528.3/26

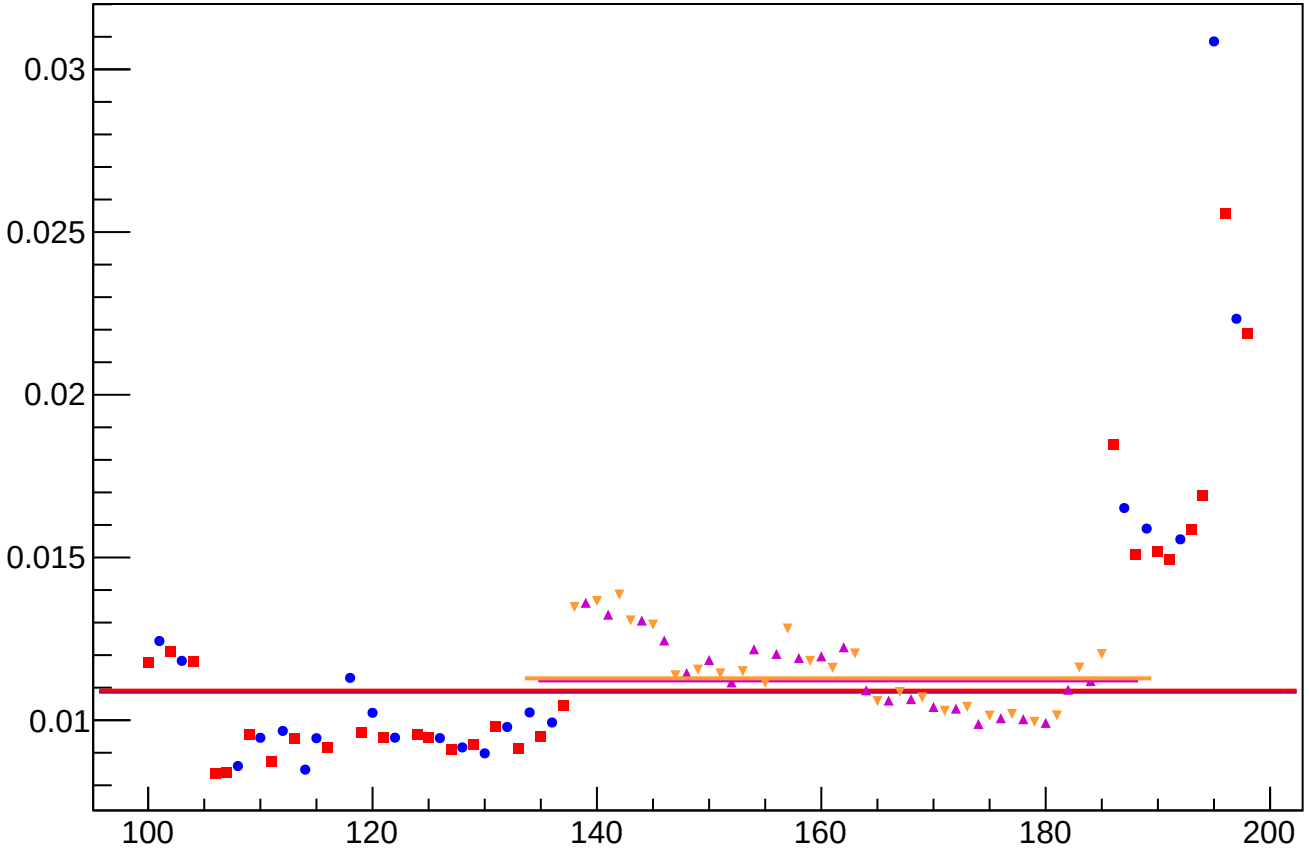
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.102+/-0.000 χ^2/NDF: 26397810316.8/45

All: 0.116+/-0.000 χ^2/NDF: 51766968728.4/9

- sign 0.128+/-0.000 χ^2/NDF: 25291690804.7/49

yield_bpm0l08X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 1772098.5/20

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

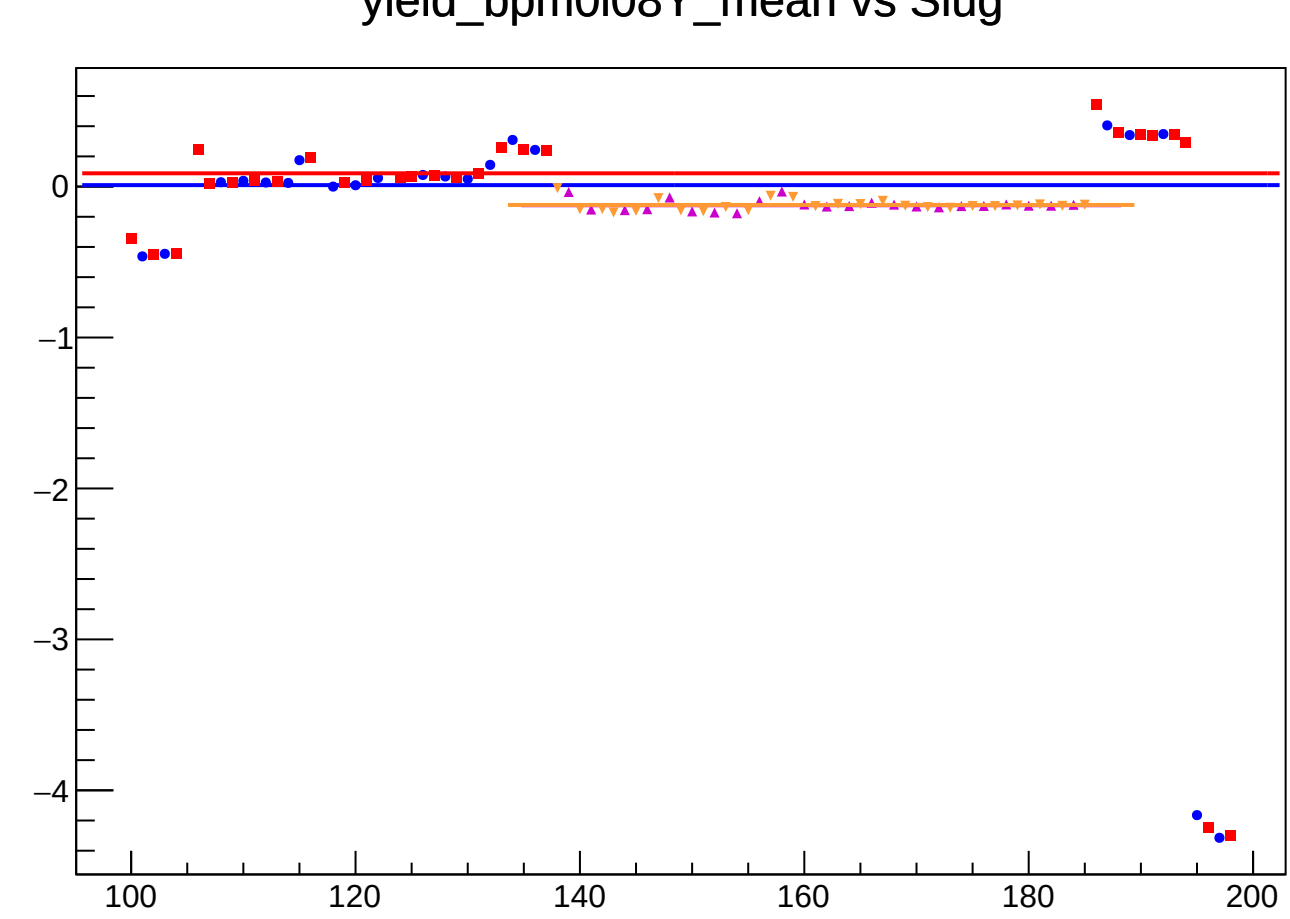
Right Out: 0.011+/-0.000 χ^2/NDF: 2092748.7/26

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 2117389.6/45

All: 0.011+/-0.000 χ^2/NDF: 4537065.2/95

- sign 0.011+/-0.000 χ^2/NDF: 2419159.9/49



Right In: 0.010+/-0.000 χ^2/NDF: 105784058585.5/20

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.088+/-0.000 χ^2/NDF: 128096984324.7/26

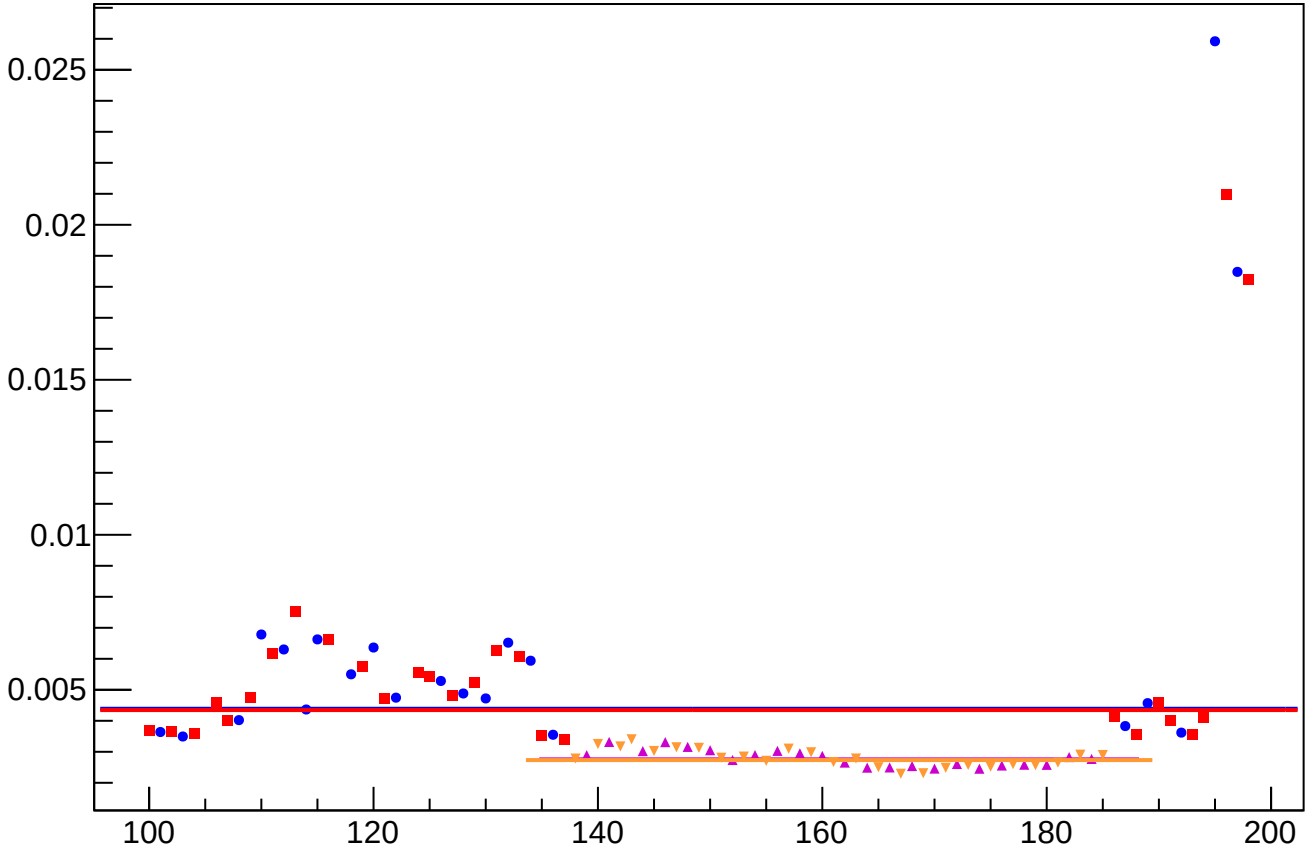
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.102+/-0.000 χ^2/NDF: 115029955266.2/45

All: -0.093+/-0.000 χ^2/NDF: 266106237344.5

- sign -0.083+/-0.000 χ^2/NDF: 150553595168.7/49

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 2920686.6/20

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2865197.1/26

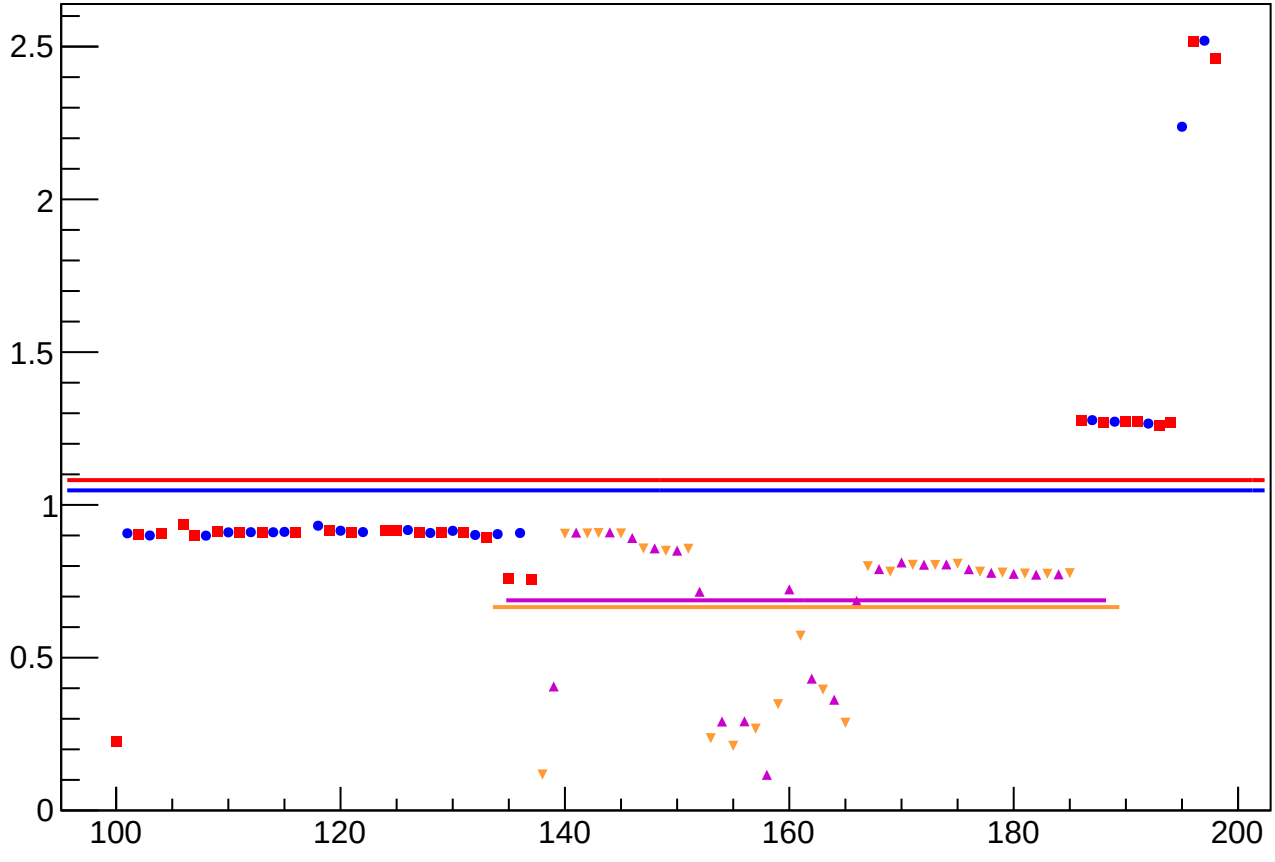
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 5317467.5/45

All: 0.003+/-0.000 χ^2/NDF: 10711310.9/95

- sign 0.003+/-0.000 χ^2/NDF: 5374734.7/49

yield_bpm0l09X_mean vs Slug



Right In: 1.048+/-0.000 χ^2/NDF: 10481026606.2/20

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.081+/-0.000 χ^2/NDF: 16009683358.2/26

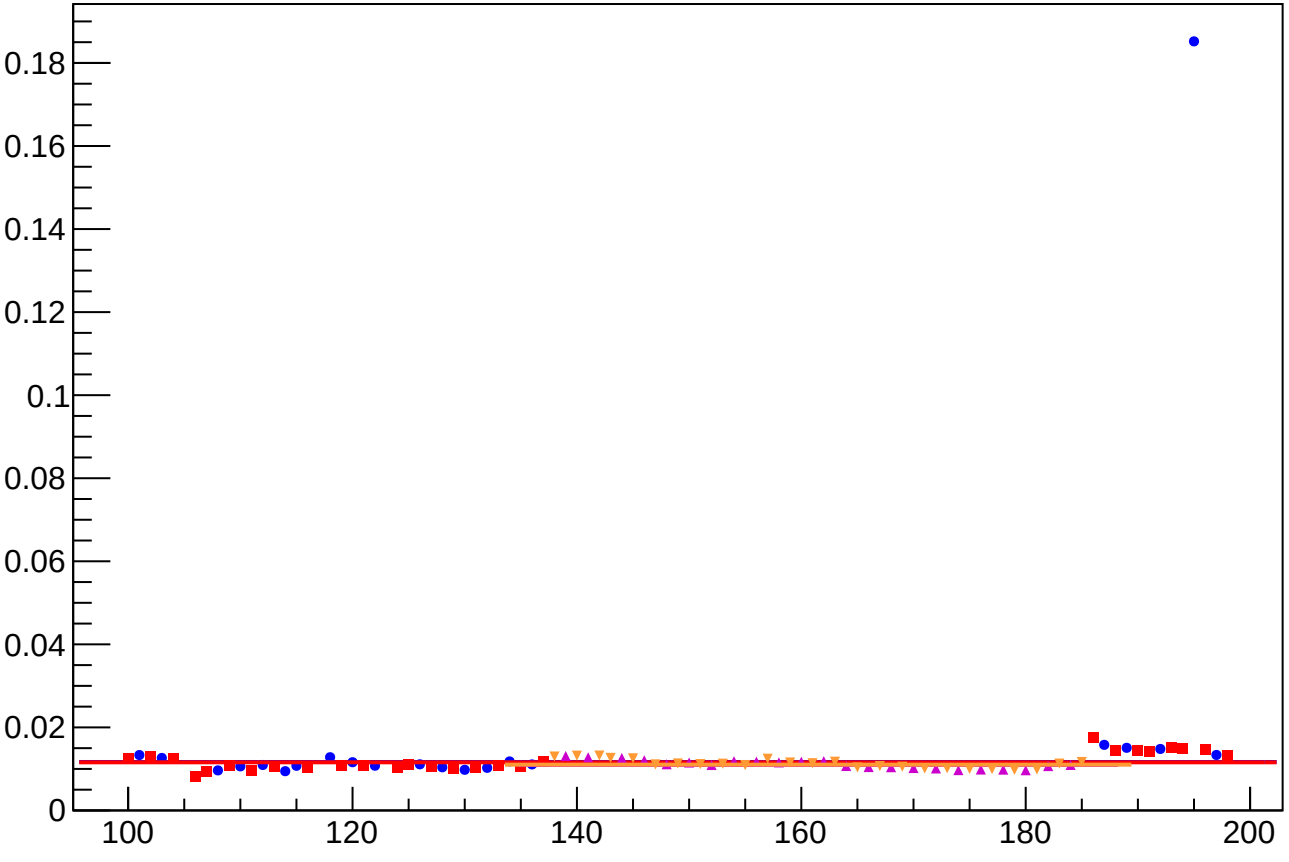
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.784+/-0.000 χ^2/NDF: 26537191064.8/45

All: 0.809+/-0.000 χ^2/NDF: 58158888740.4/9

- sign 0.834+/-0.000 χ^2/NDF: 31342426648.0/49

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1902505.7/20

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

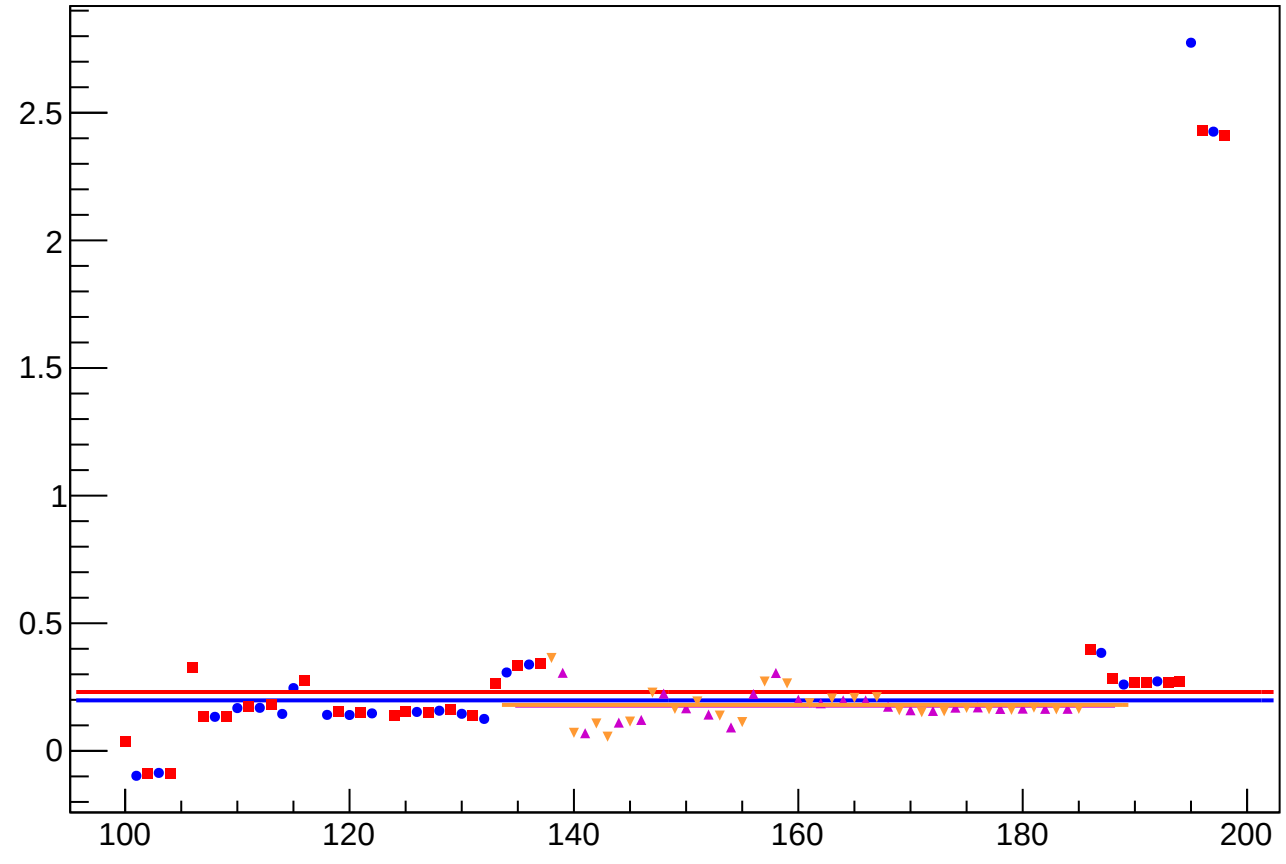
Right Out: 0.012+/-0.000 χ^2/NDF: 678706.2/26

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2240362.5/45

All: 0.011+/-0.000 χ^2/NDF: 3249404.6/95

- sign 0.011+/-0.000 χ^2/NDF: 1008853.6/49



Right In: 0.198+/-0.000 χ^2/NDF: 32266739837.4/20

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.231+/-0.000 χ^2/NDF: 43321240523.8/26

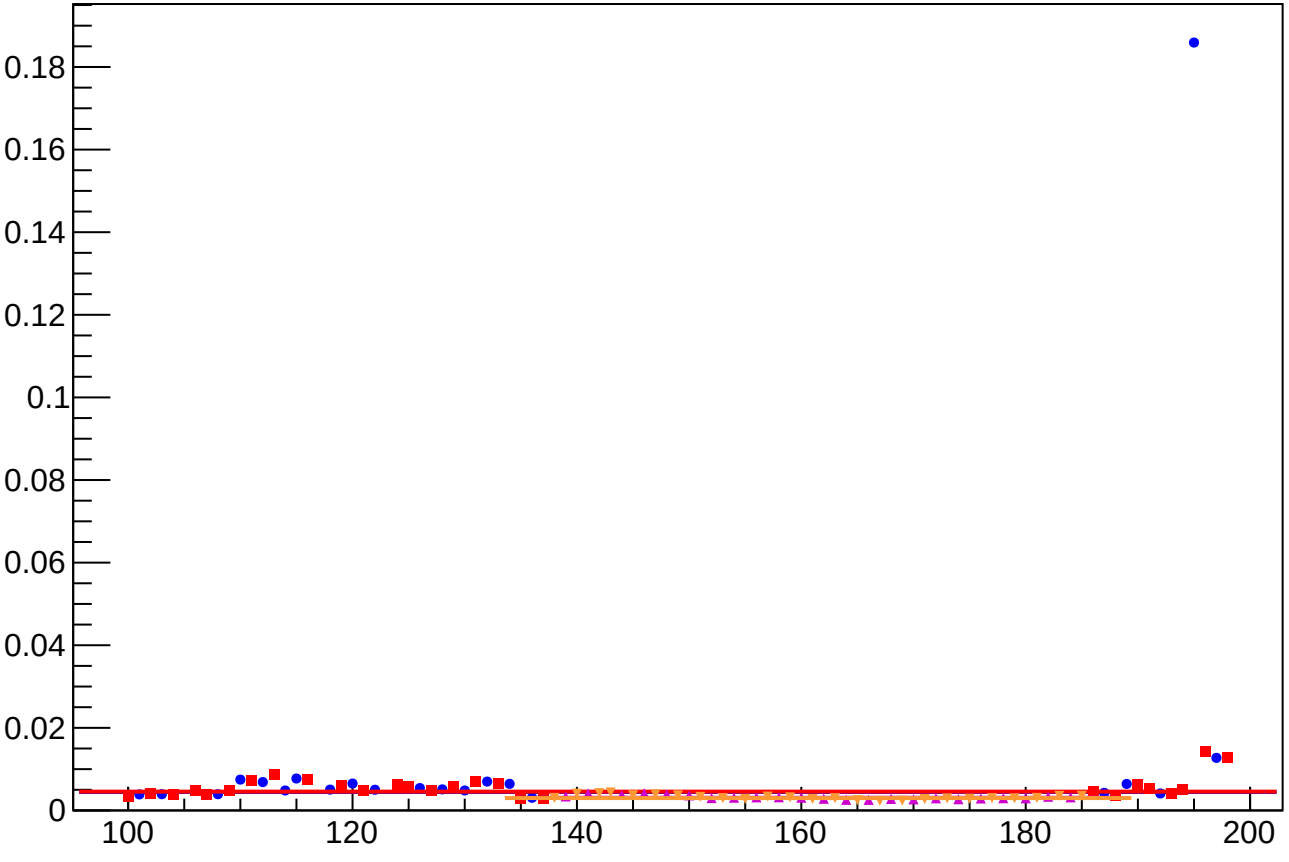
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.183+/-0.000 χ^2/NDF: 38817595028.0/45

All: 0.186+/-0.000 χ^2/NDF: 87846781351.5/9

- sign 0.188+/-0.000 χ^2/NDF: 48997139773.6/49

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3295066.5/20

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

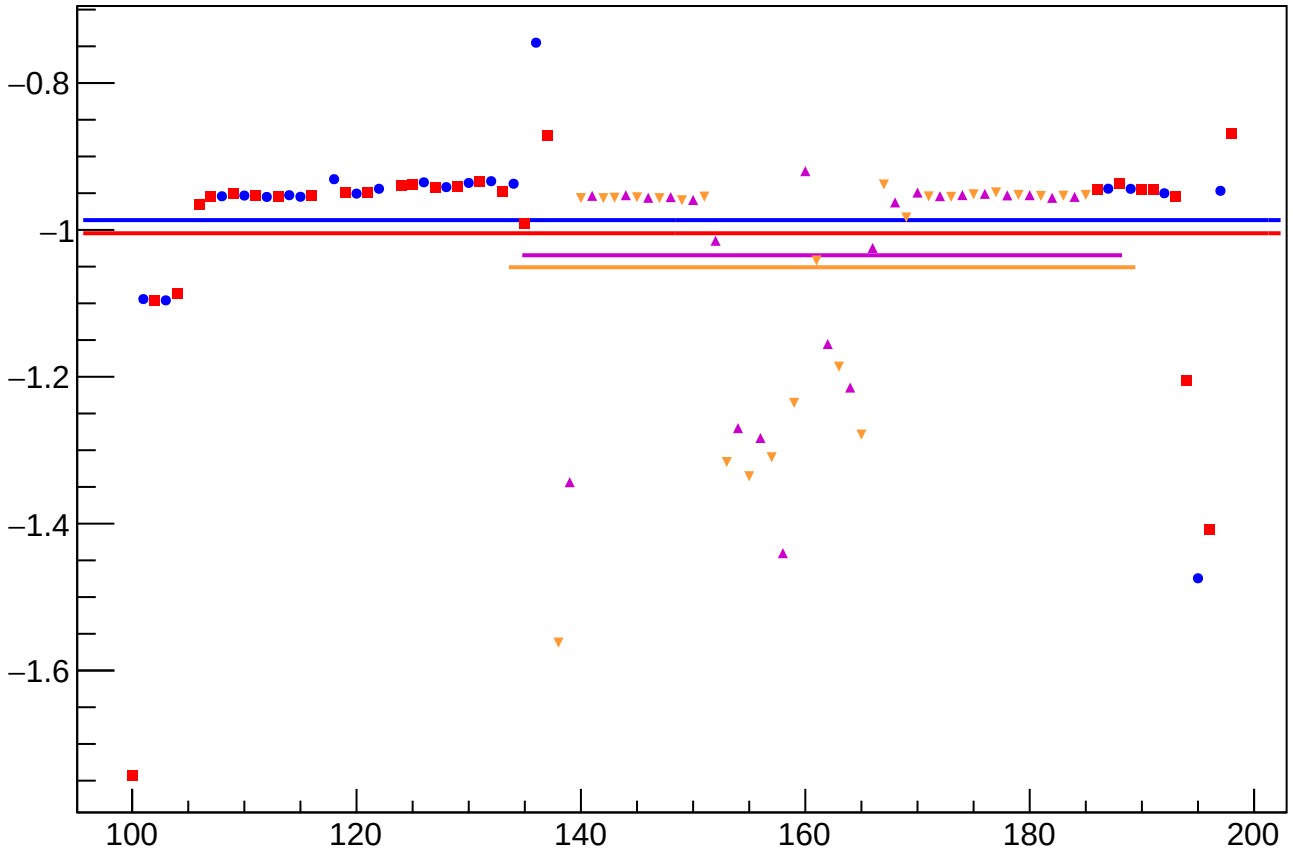
Right Out: 0.005+/-0.000 χ^2/NDF: 2341813.8/26

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 5572566.1/45

All: 0.003+/-0.000 χ^2/NDF: 10168541.1/95

- sign 0.003+/-0.000 χ^2/NDF: 4552202.4/49



Right In: -0.987+/-0.000 χ^2/NDF: 1715043547.8/20

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.005+/-0.000 χ^2/NDF: 1670743904.6/26

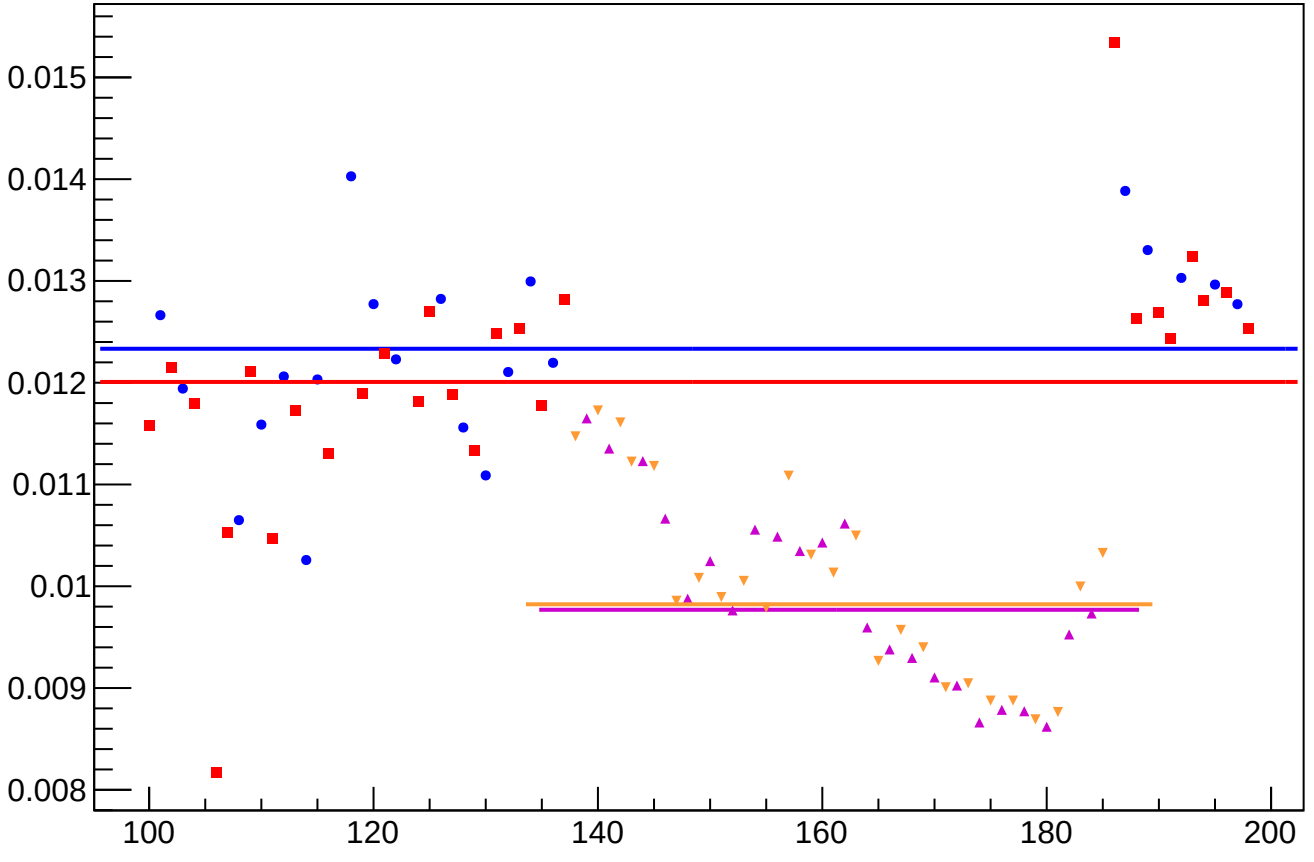
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.034+/-0.000 χ^2/NDF: 7001495005.6/45

All: -1.030+/-0.000 χ^2/NDF: 12661742604.5/

- sign -1.025+/-0.000 χ^2/NDF: 5648989303.9/49

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 91451.5/20

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

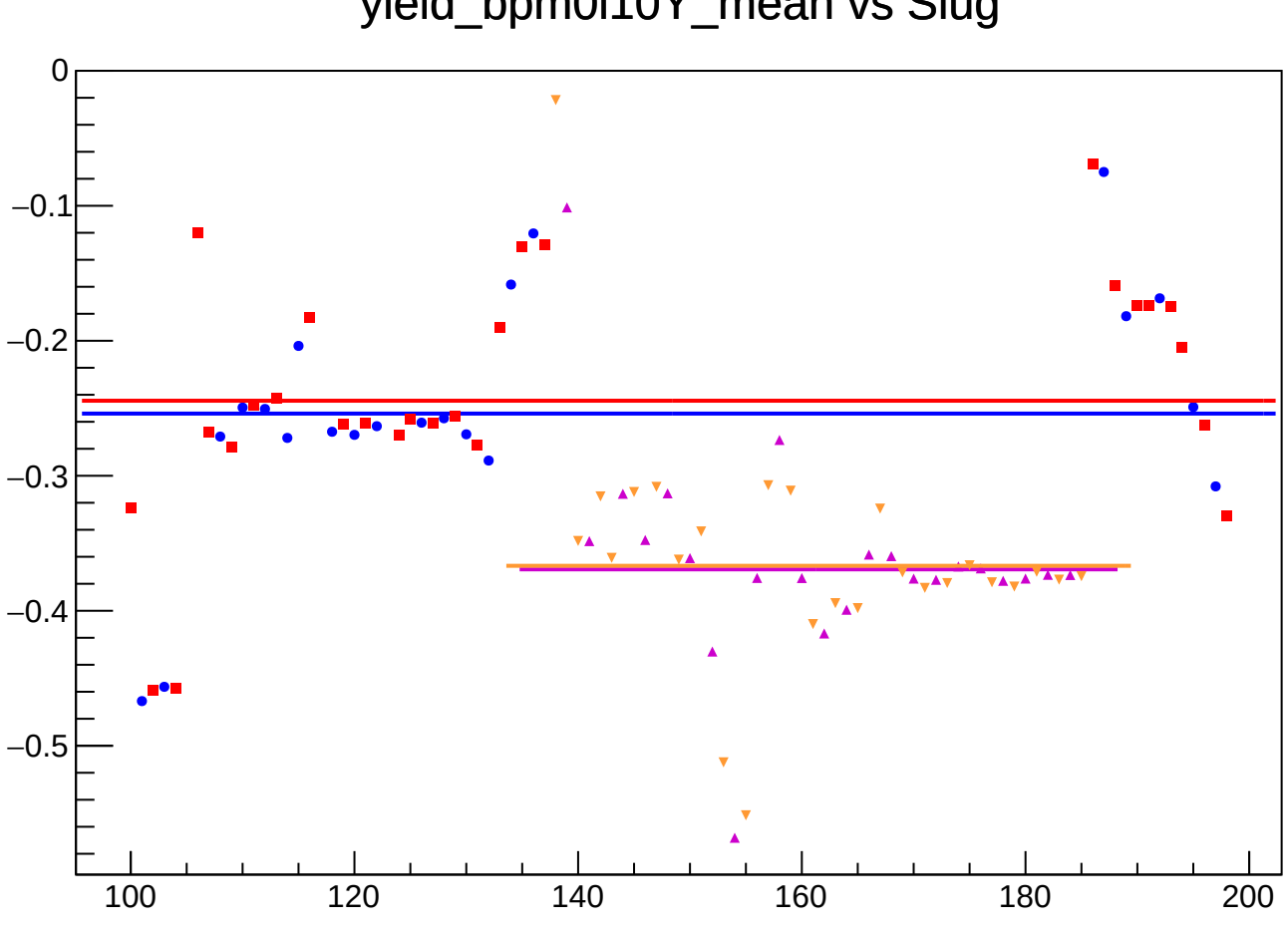
Right Out: 0.012+/-0.000 χ^2/NDF: 252929.0/26

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 1010852.5/45

All: 0.010+/-0.000 χ^2/NDF: 2130921.3/95

- sign 0.010+/-0.000 χ^2/NDF: 1120054.8/49



Right In: -0.254+/-0.000 χ^2/NDF: 7099667313.9/20

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.244+/-0.000 χ^2/NDF: 7260525393.2/26

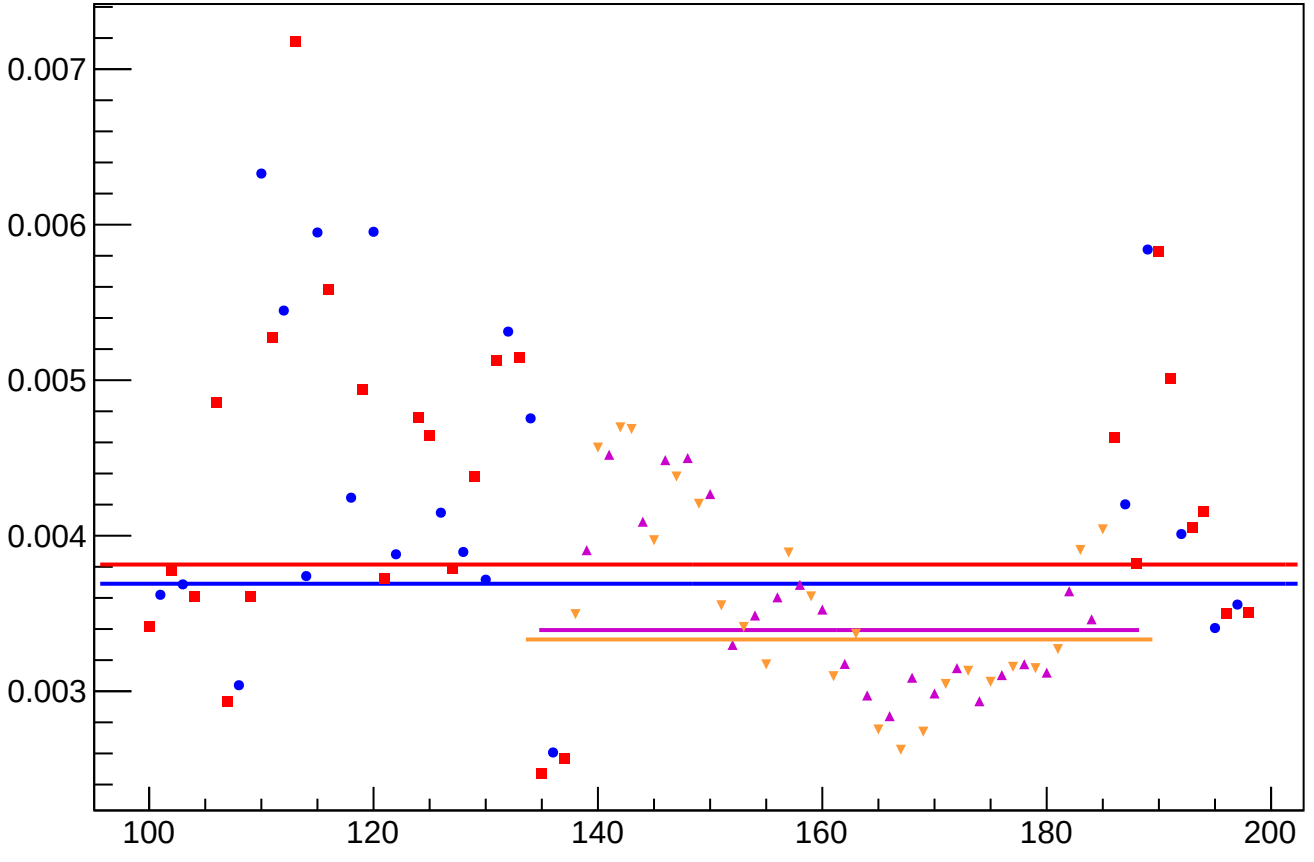
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.334+/-0.000 χ^2/NDF: 24936568736.0/45

All: -0.330+/-0.000 χ^2/NDF: 47562819558.2/

- sign -0.326+/-0.000 χ^2/NDF: 22568344432.3/49

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 897342.9/20

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1067028.2/26

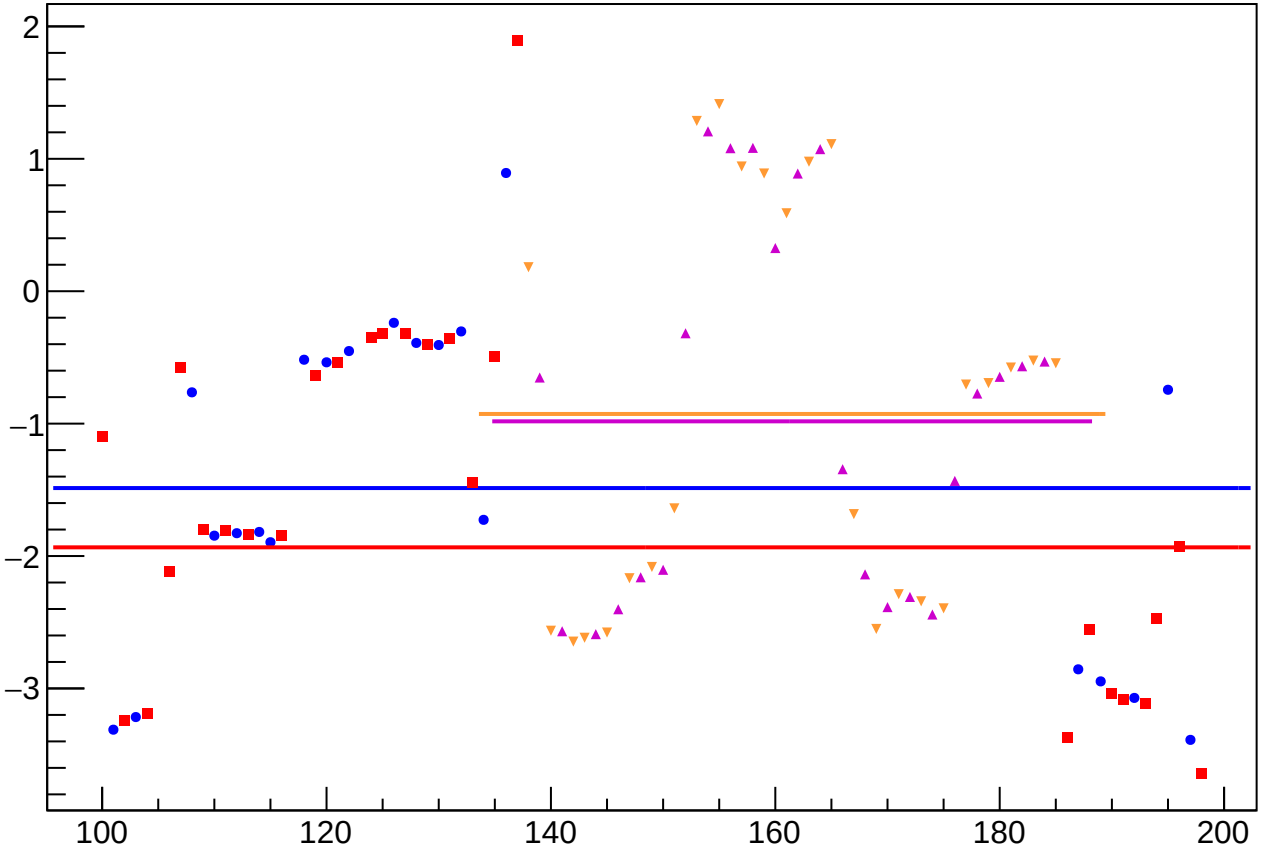
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

\+ sign 0.003+/-0.000 χ^2/NDF: 1874061.5/45

All: 0.003+/-0.000 χ^2/NDF: 3772855.0/95

\- sign 0.004+/-0.000 χ^2/NDF: 1876515.8/49

yield_bpm0r03X_mean vs Slug



Right In: -1.487+/-0.000 χ^2/NDF: 3868147631.9/20

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.934+/-0.000 χ^2/NDF: 3408237362.7/26

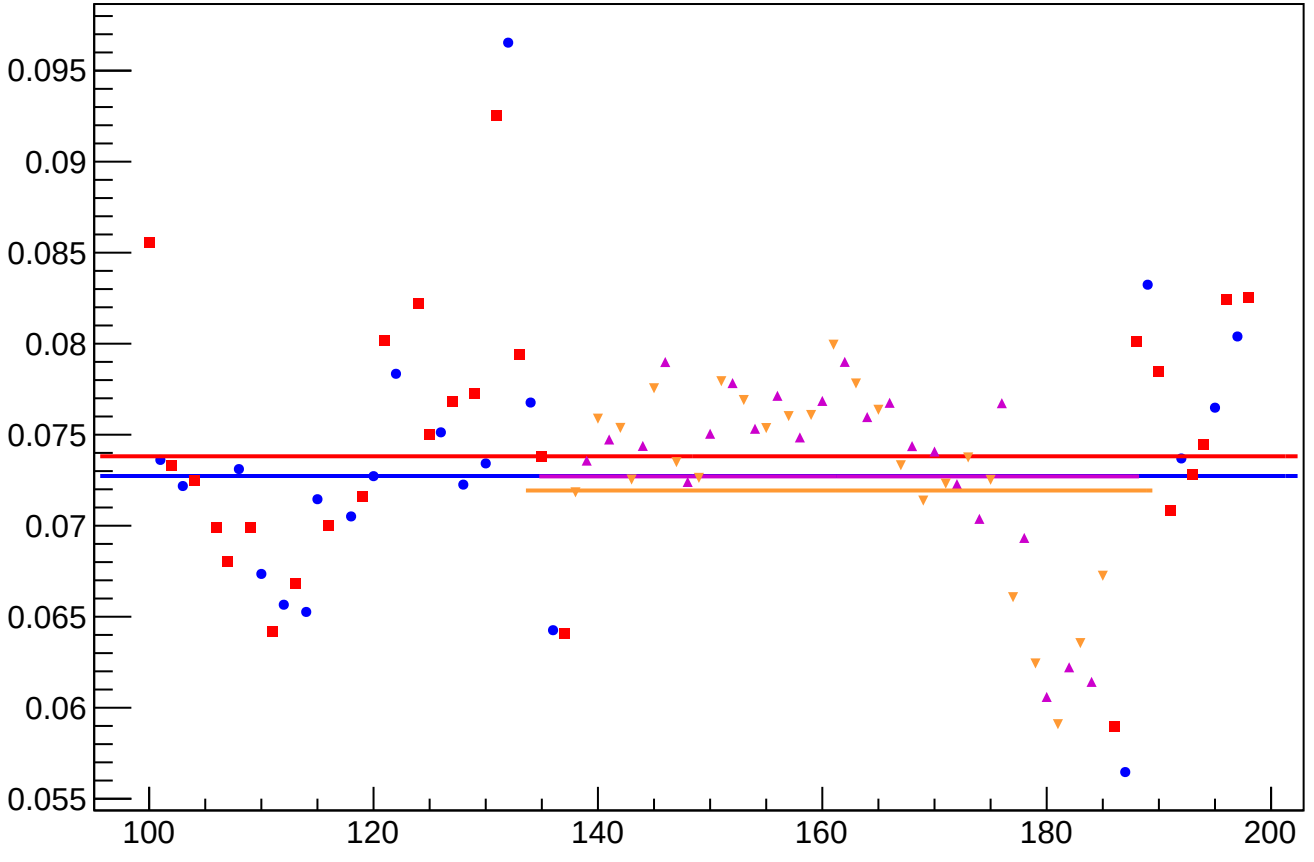
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.122+/-0.000 χ^2/NDF: 11516099991.6/45

All: -1.245+/-0.000 χ^2/NDF: 22251269752.9/

- sign -1.367+/-0.000 χ^2/NDF: 10565336865.1/49

yield_bpm0r03X_rms vs Slug



Right In: 0.073+/-0.000 χ^2/NDF: 170286.1/20

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

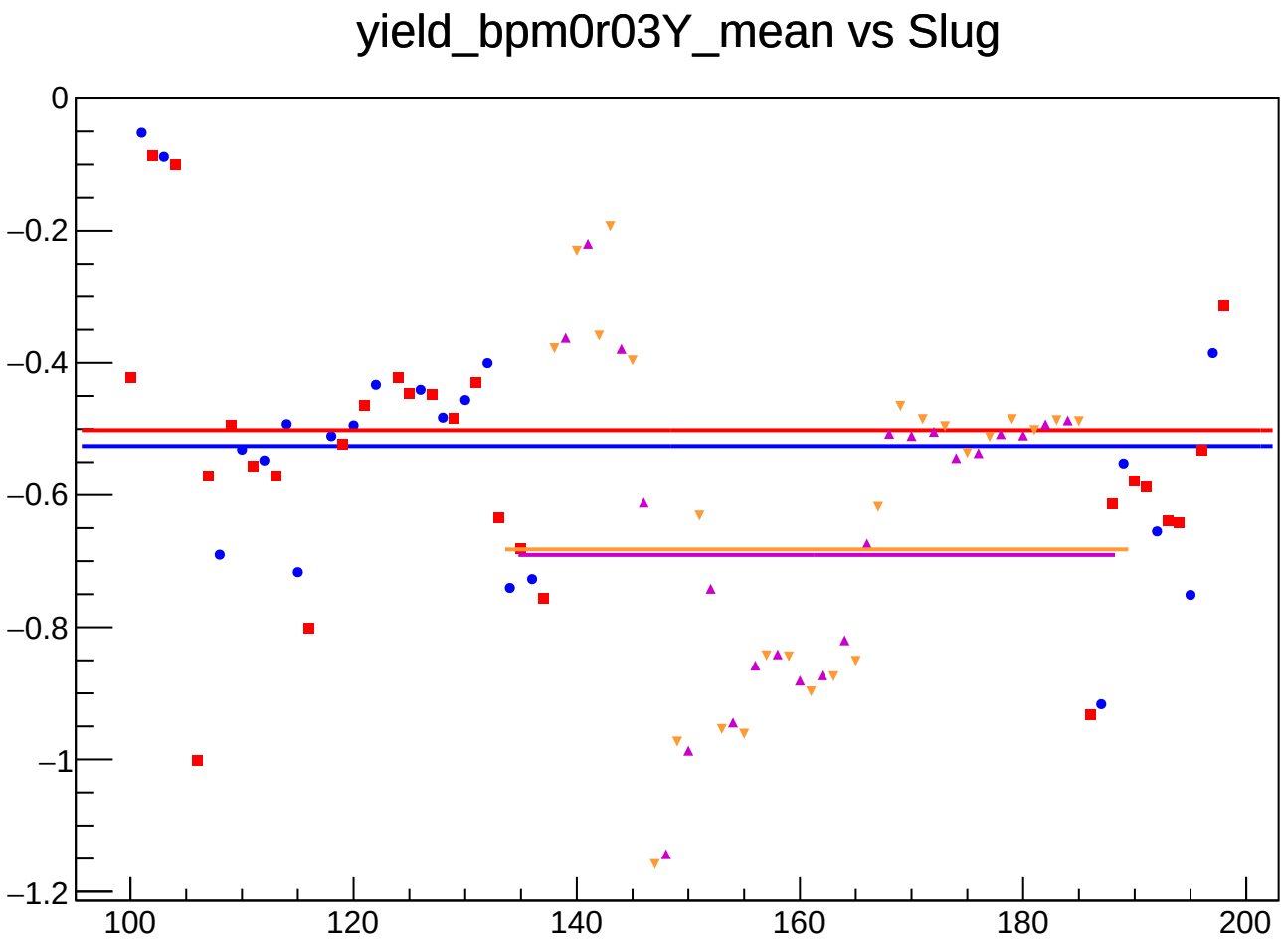
Right Out: 0.074+/-0.000 χ^2/NDF: 202873.0/26

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 407439.2/45

All: 0.073+/-0.000 χ^2/NDF: 815689.7/95

- sign 0.073+/-0.000 χ^2/NDF: 403220.0/49



Right In: -0.526+/-0.000 χ^2/NDF: 5658690008.6/20

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.502+/-0.000 χ^2/NDF: 5362479519.3/26

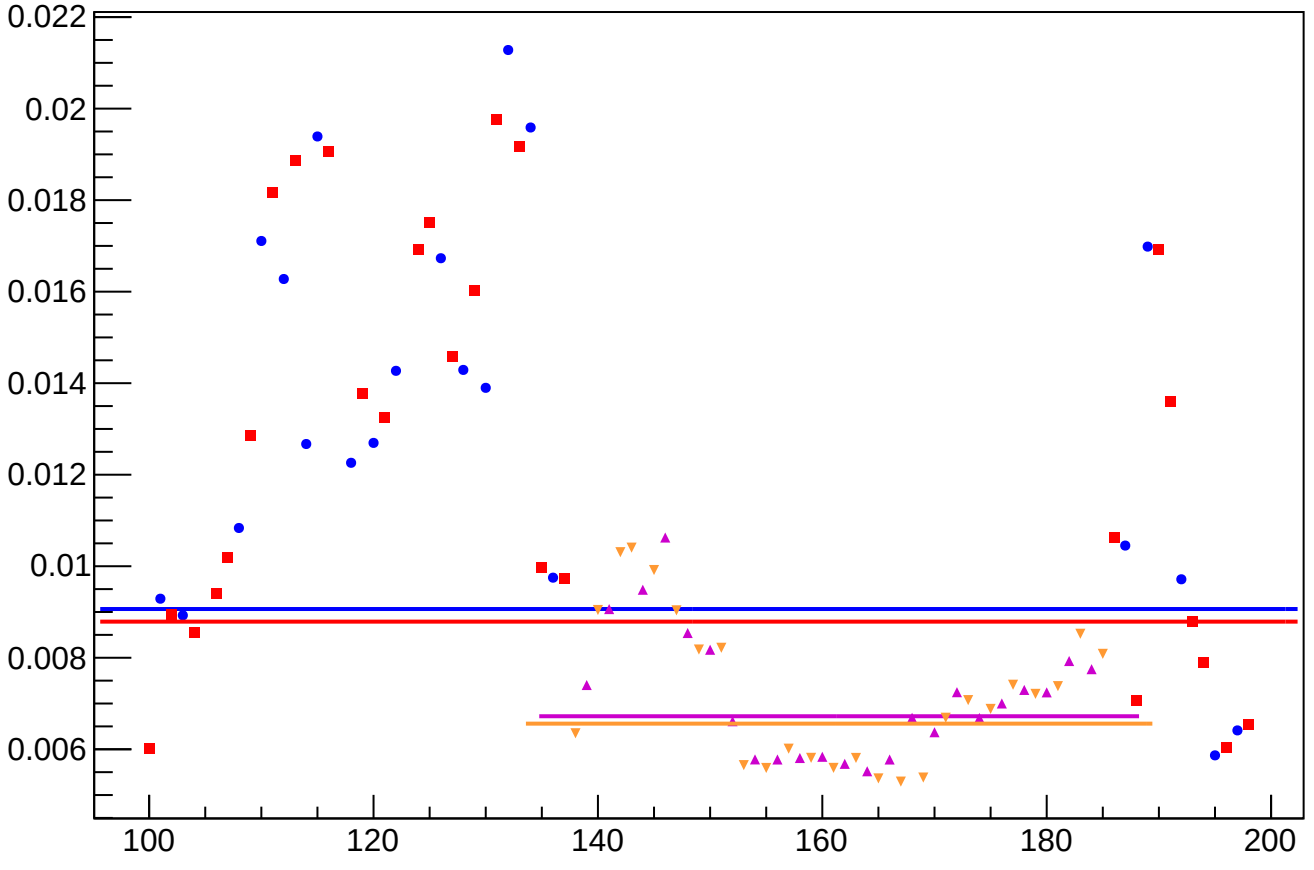
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.651+/-0.000 χ^2/NDF: 29493871194.2/45

All: -0.646+/-0.000 χ^2/NDF: 55179831626.7/

- sign -0.641+/-0.000 χ^2/NDF: 25663866896.2/49

yield_bpm0r03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2382762.0/20

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2704652.9/26

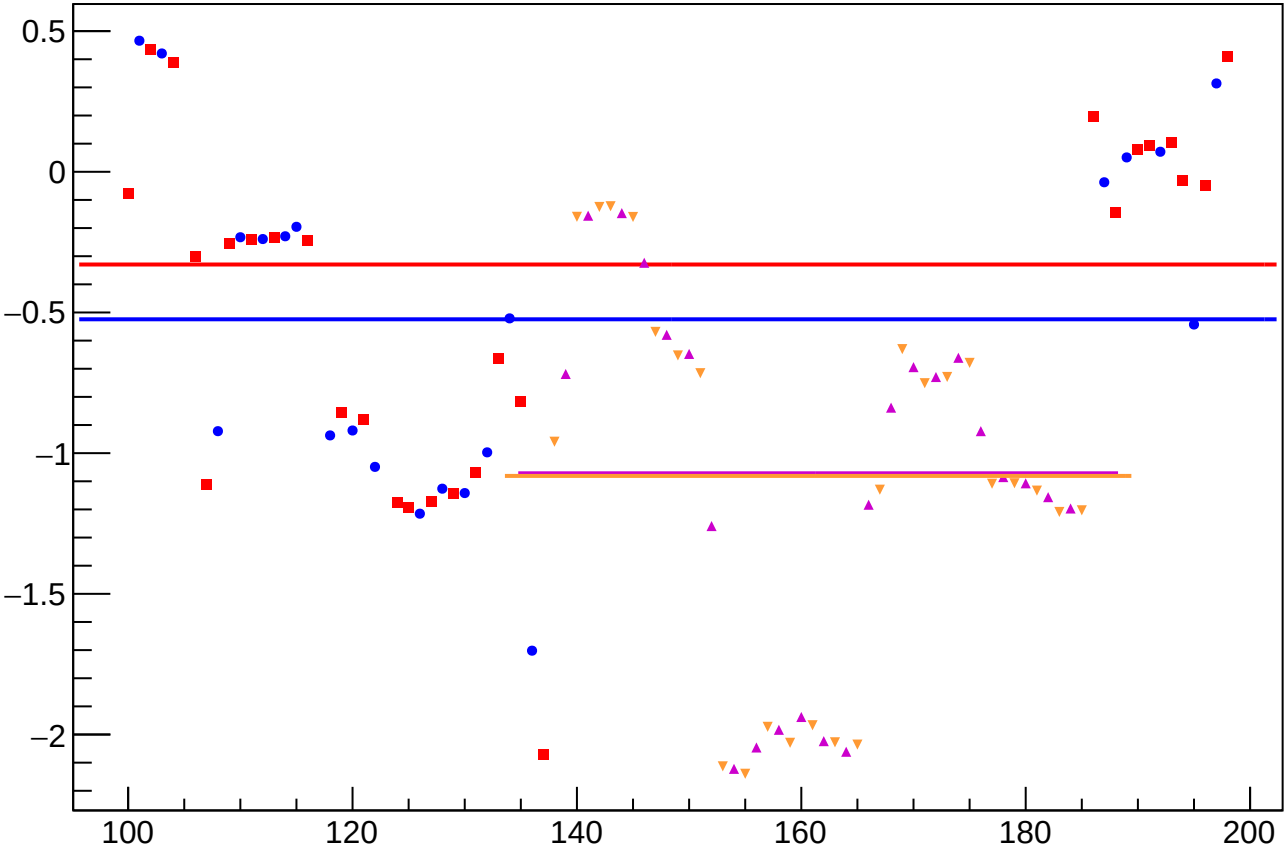
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4818351.4/45

All: 0.007+/-0.000 χ^2/NDF: 9326430.6/95

- sign 0.007+/-0.000 χ^2/NDF: 4488633.2/49

yield_bpm0r05X_mean vs Slug



Right In: -0.524+/-0.000 χ^2/NDF: 596433652.4/20

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.329+/-0.000 χ^2/NDF: 519939304.2/26

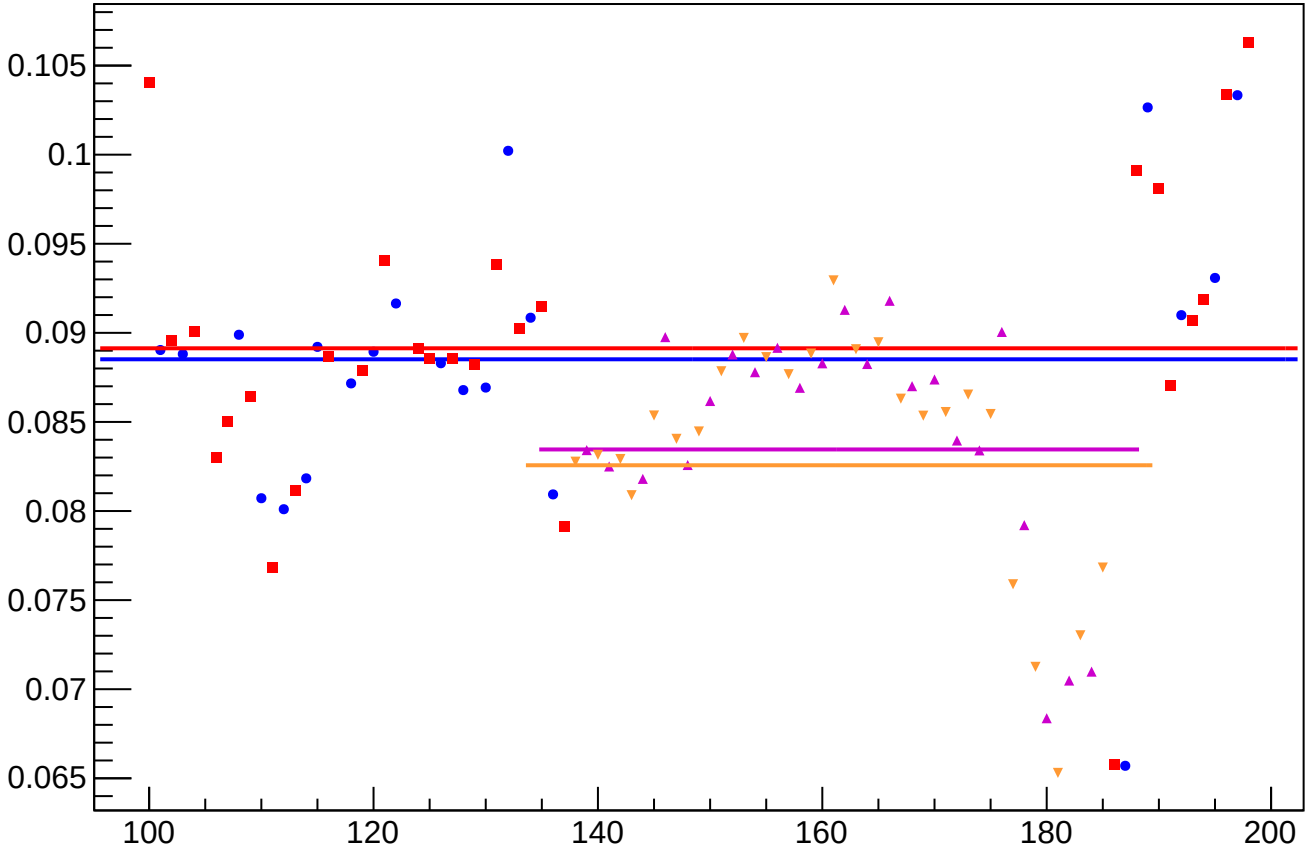
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.901+/-0.000 χ^2/NDF: 2029893253.6/45

All: -0.845+/-0.000 χ^2/NDF: 4094564271.5/9

- sign -0.790+/-0.000 χ^2/NDF: 2038965311.0/49

yield_bpm0r05X_rms vs Slug



Right In: 0.089+/-0.000 χ^2/NDF: 154360.7/20

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.089+/-0.000 χ^2/NDF: 259456.0/26

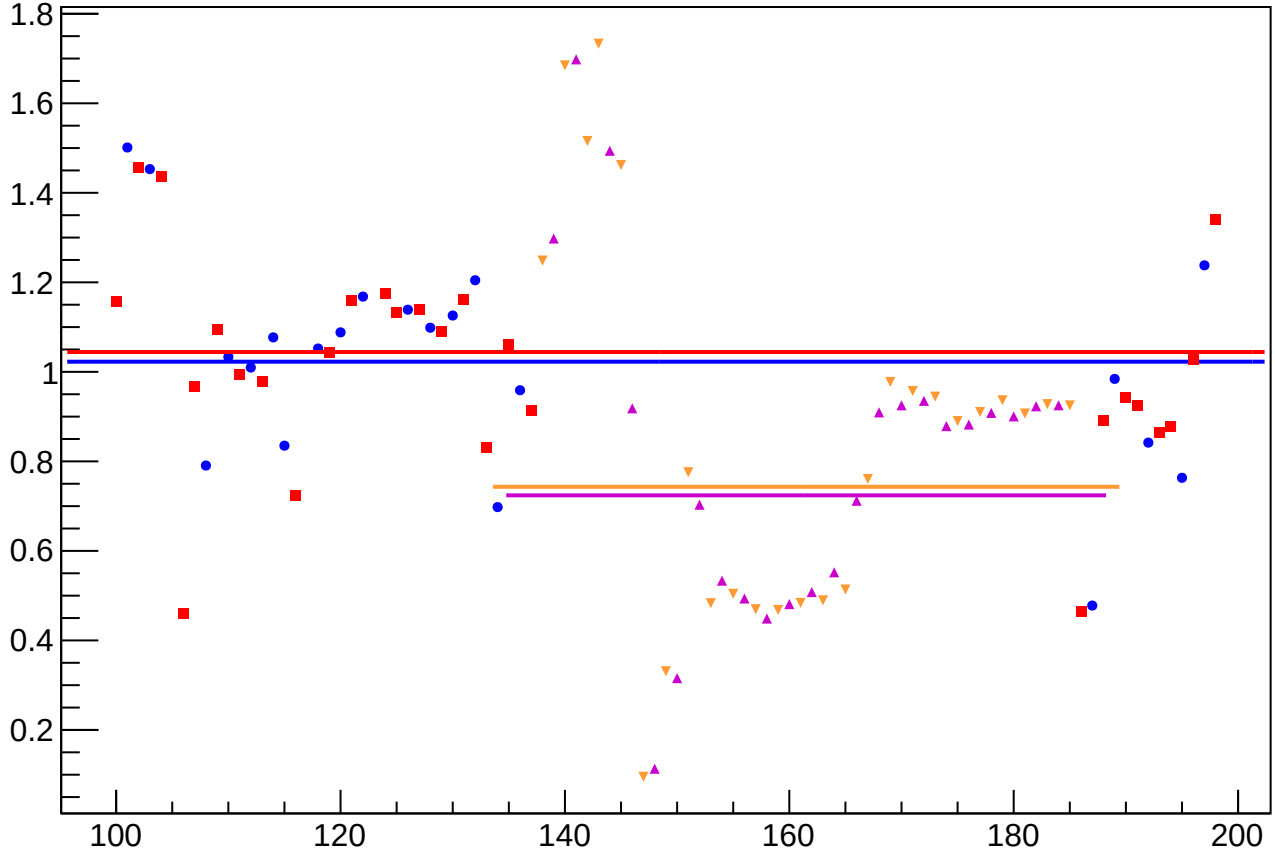
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 509689.4/45

All: 0.085+/-0.000 χ^2/NDF: 1076381.6/95

- sign 0.086+/-0.000 χ^2/NDF: 561472.8/49

yield_bpm0r05Y_mean vs Slug



Right In: 1.023+/-0.000 χ^2/NDF: 3366857391.2/20

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.044+/-0.000 χ^2/NDF: 3583092924.9/26

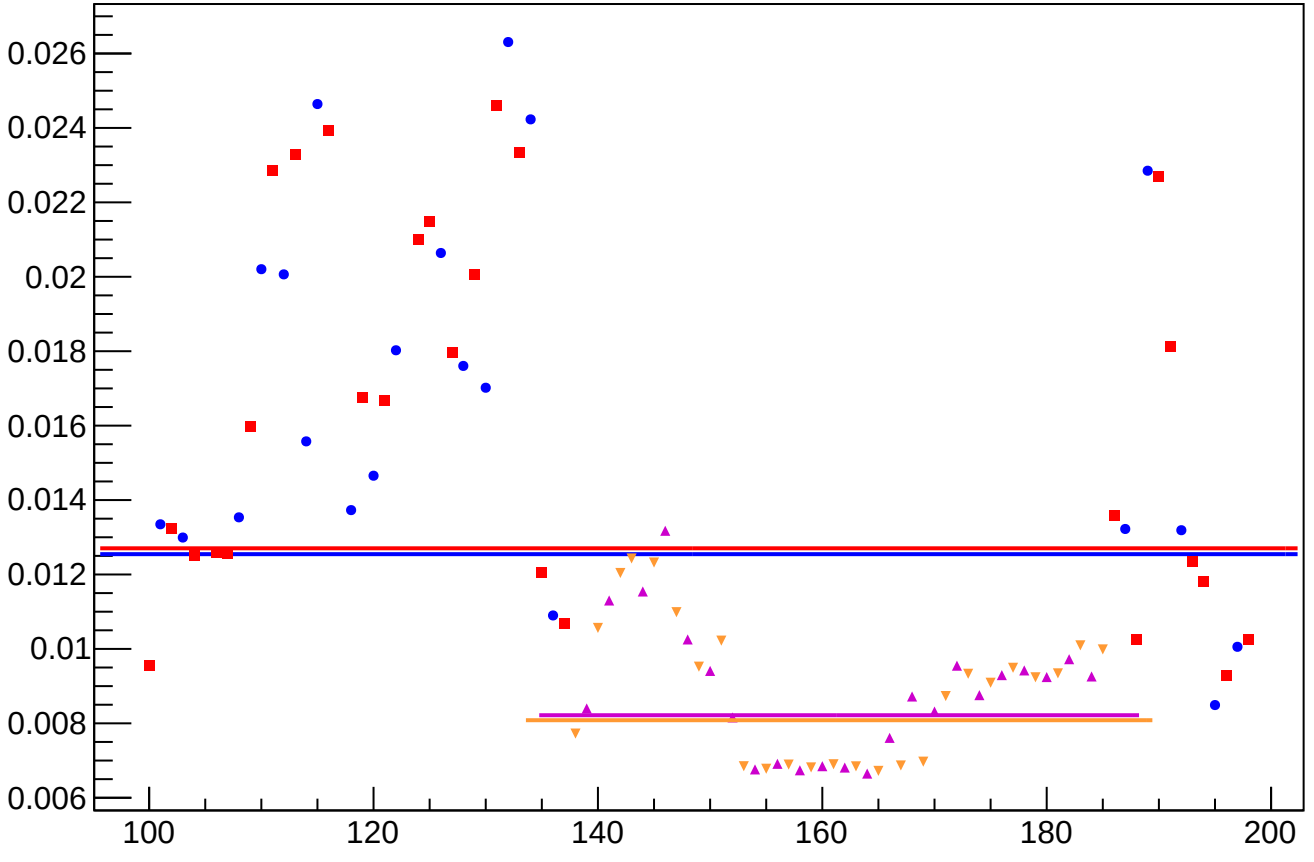
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.791+/-0.000 χ^2/NDF: 39568439478.5/45

All: 0.791+/-0.000 χ^2/NDF: 74115379177.6/9

- sign 0.791+/-0.000 χ^2/NDF: 34546937726.9/49

yield_bpm0r05Y_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1634995.3/20

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1772675.0/26

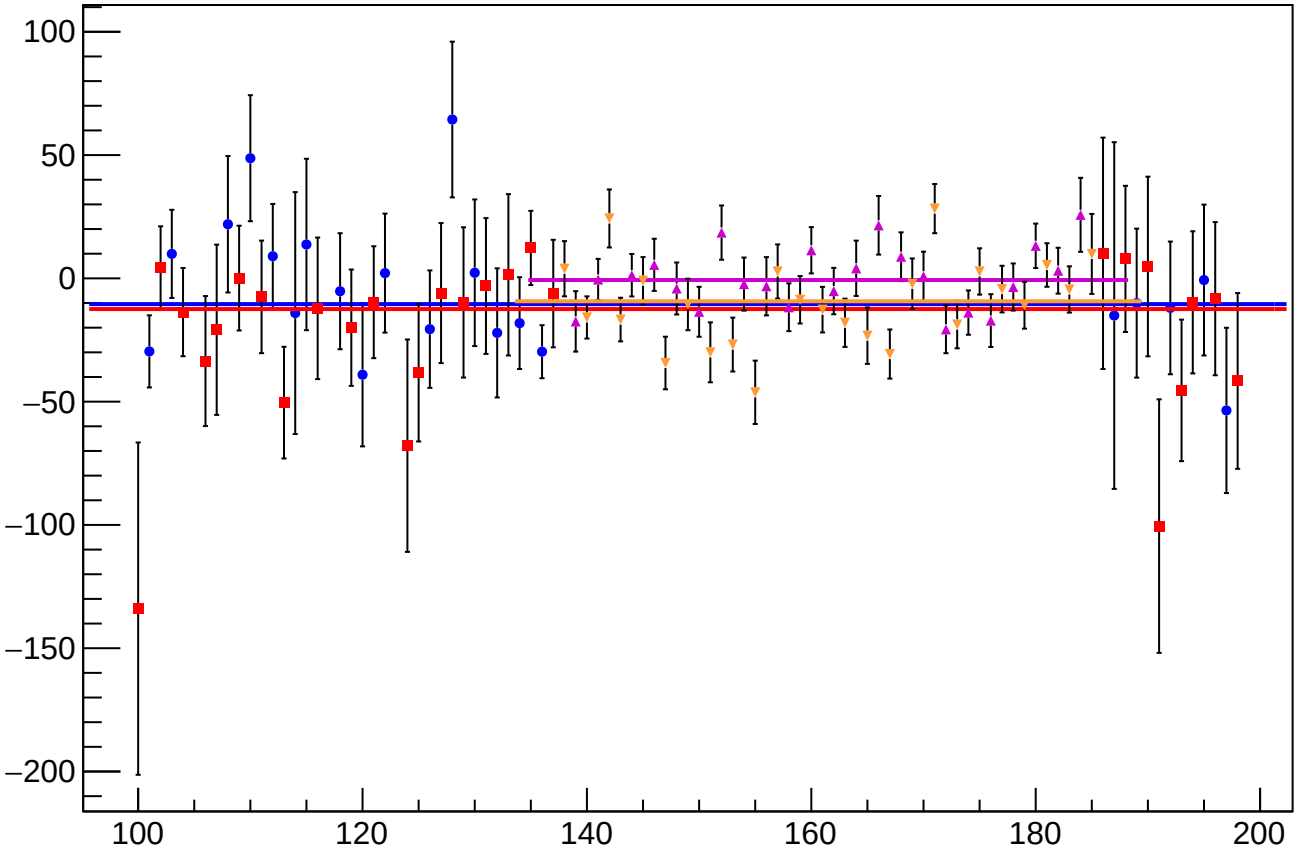
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4887059.6/45

All: 0.009+/-0.000 χ^2/NDF: 9900984.2/95

- sign 0.009+/-0.000 χ^2/NDF: 4983294.9/49

diff_bpm4aX_mean vs Slug



Right In: -10.438+/-4.978 χ^2/NDF: 23.7/20

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -12.453+/-4.996 χ^2/NDF: 19.8/26

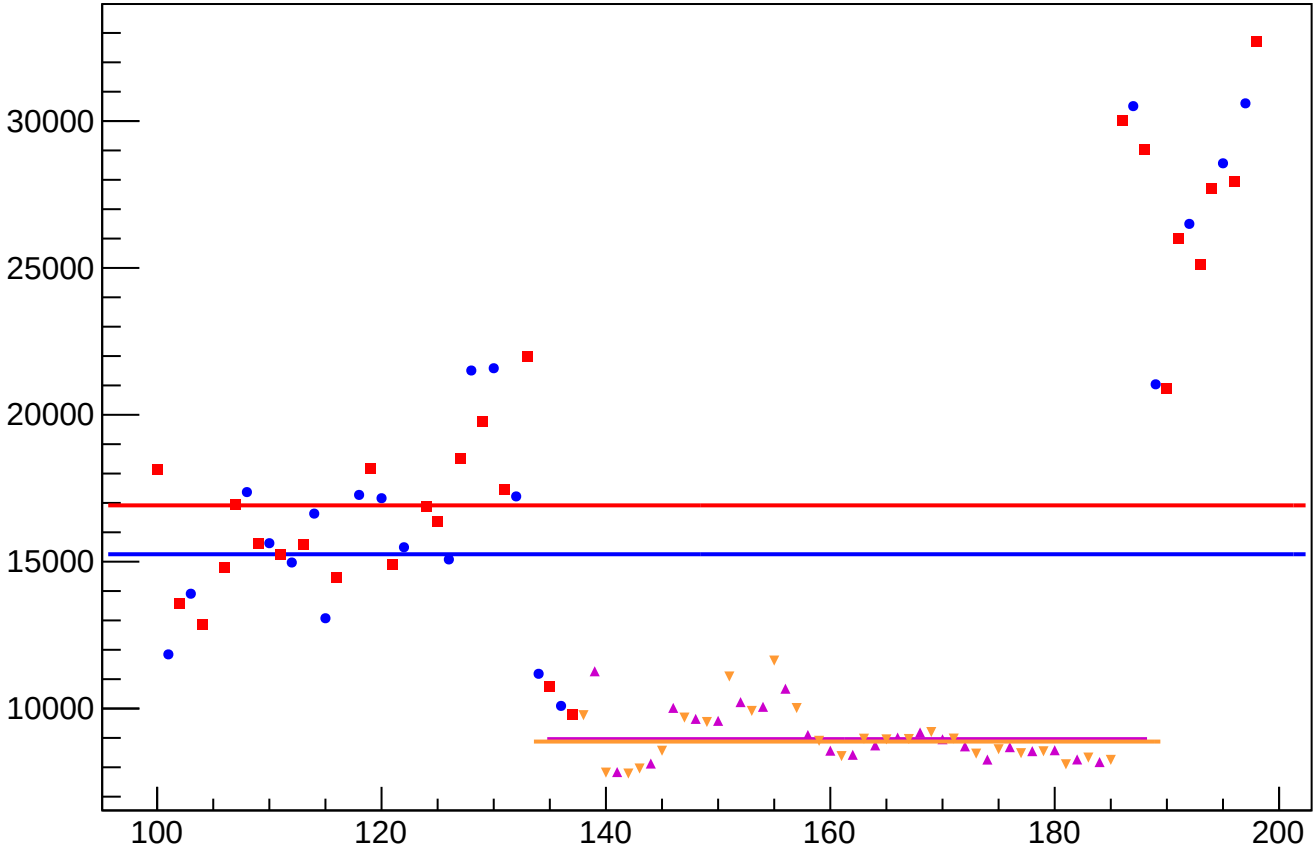
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.455+/-1.880 χ^2/NDF: 84.9/45

All: -6.061+/-1.350 χ^2/NDF: 145.6/95

- sign -2.450+/-1.939 χ^2/NDF: 53.9/49

diff_bpm4aX_rms vs Slug



Right In: 15252.787+/-3.520 χ^2/NDF: 2218651.2/20

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 16916.887+/-3.533 χ^2/NDF: 2542378.9/26

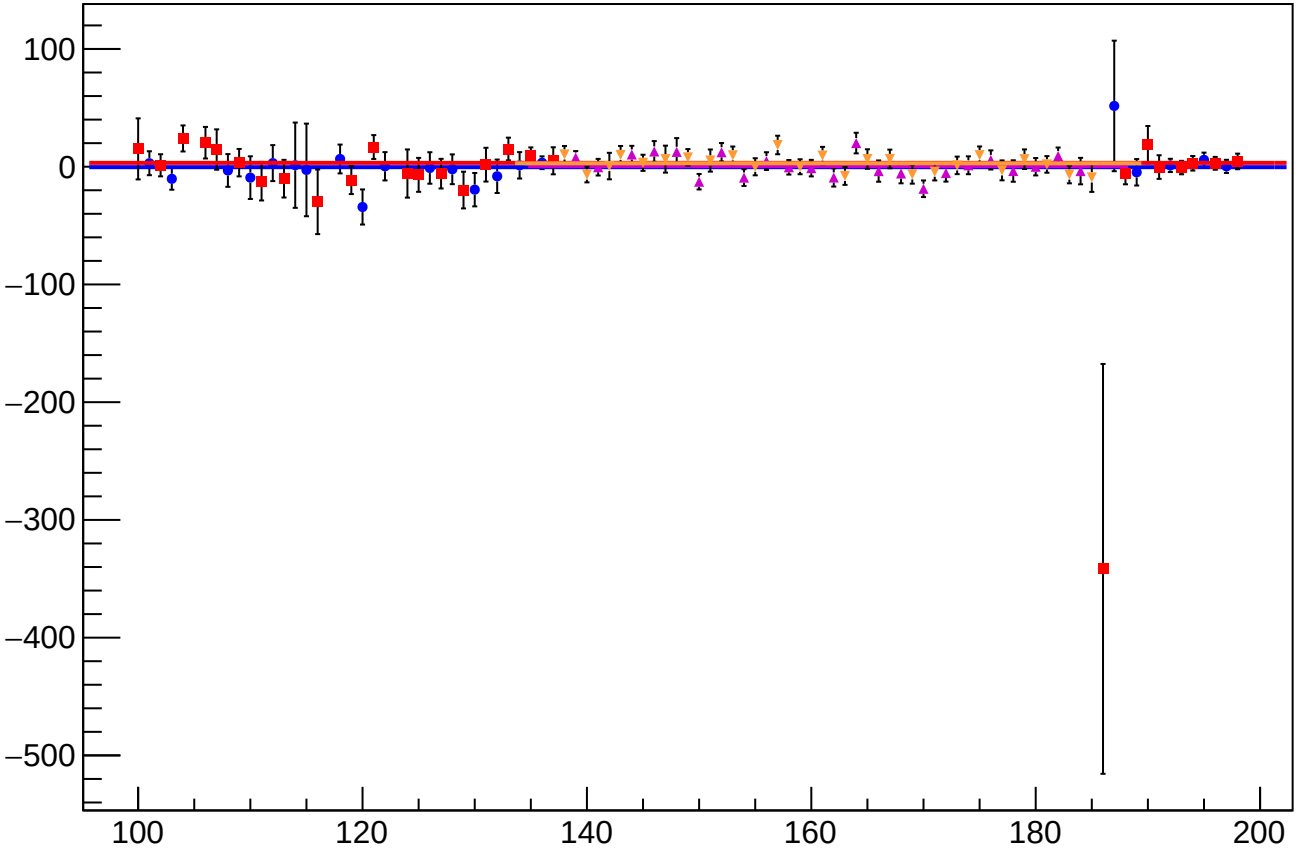
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9785.511+/-1.329 χ^2/NDF: 5380116.9/45

All: 9965.760+/-0.955 χ^2/NDF: 12571813.0/9

- sign 10157.515+/-1.371 χ^2/NDF: 7153759.1/49

diff_bpm4aY_mean vs Slug



Right In: -0.407+/-2.154 χ^2/NDF: 11.8/20

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

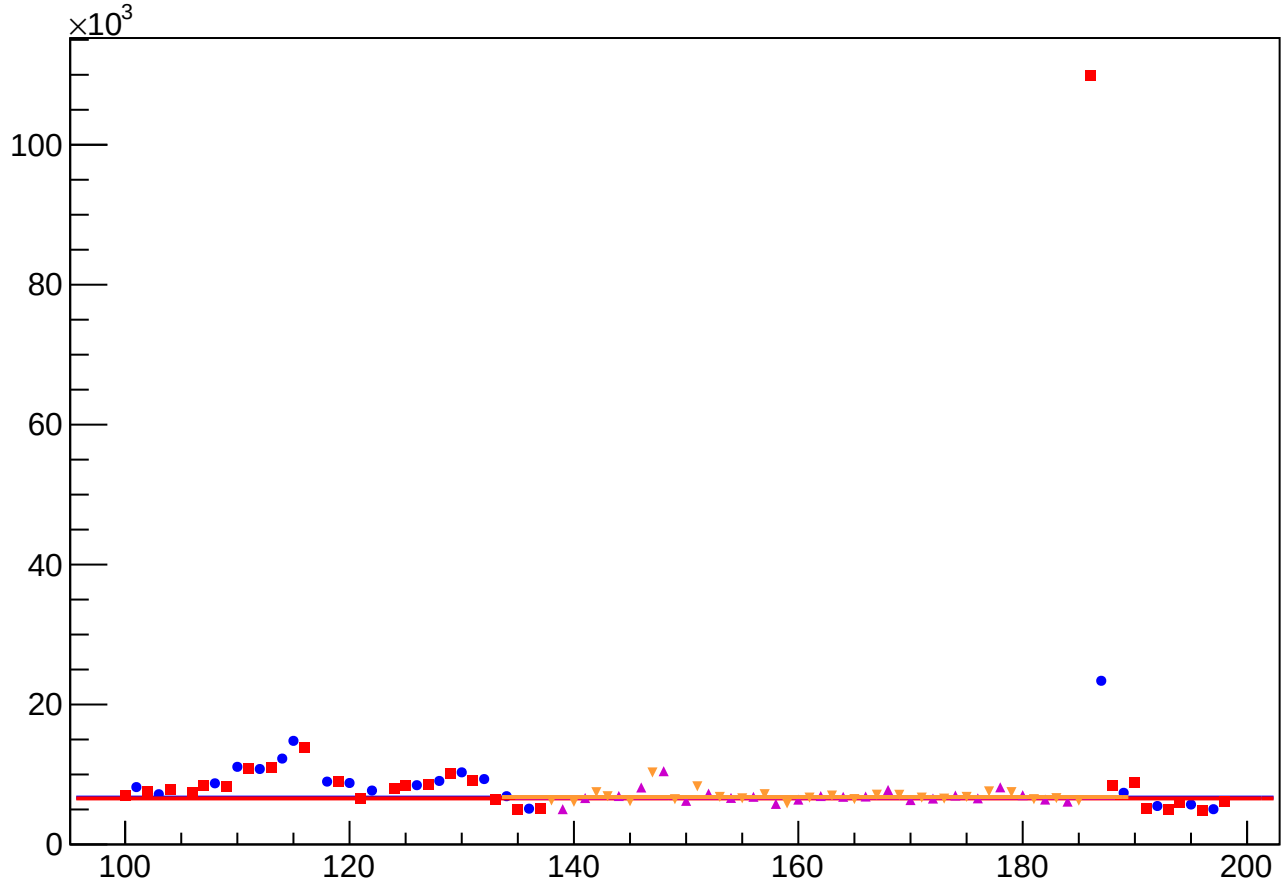
Right Out: 3.268+/-1.950 χ^2/NDF: 24.3/26

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.754+/-1.260 χ^2/NDF: 32.9/45

All: 1.660+/-0.880 χ^2/NDF: 91.2/95

- sign 1.571+/-1.228 χ^2/NDF: 58.3/49



Right In: 6696.484+/-1.523 χ^2/NDF: 1593064.3/20

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6578.115+/-1.379 χ^2/NDF: 2292439.5/26

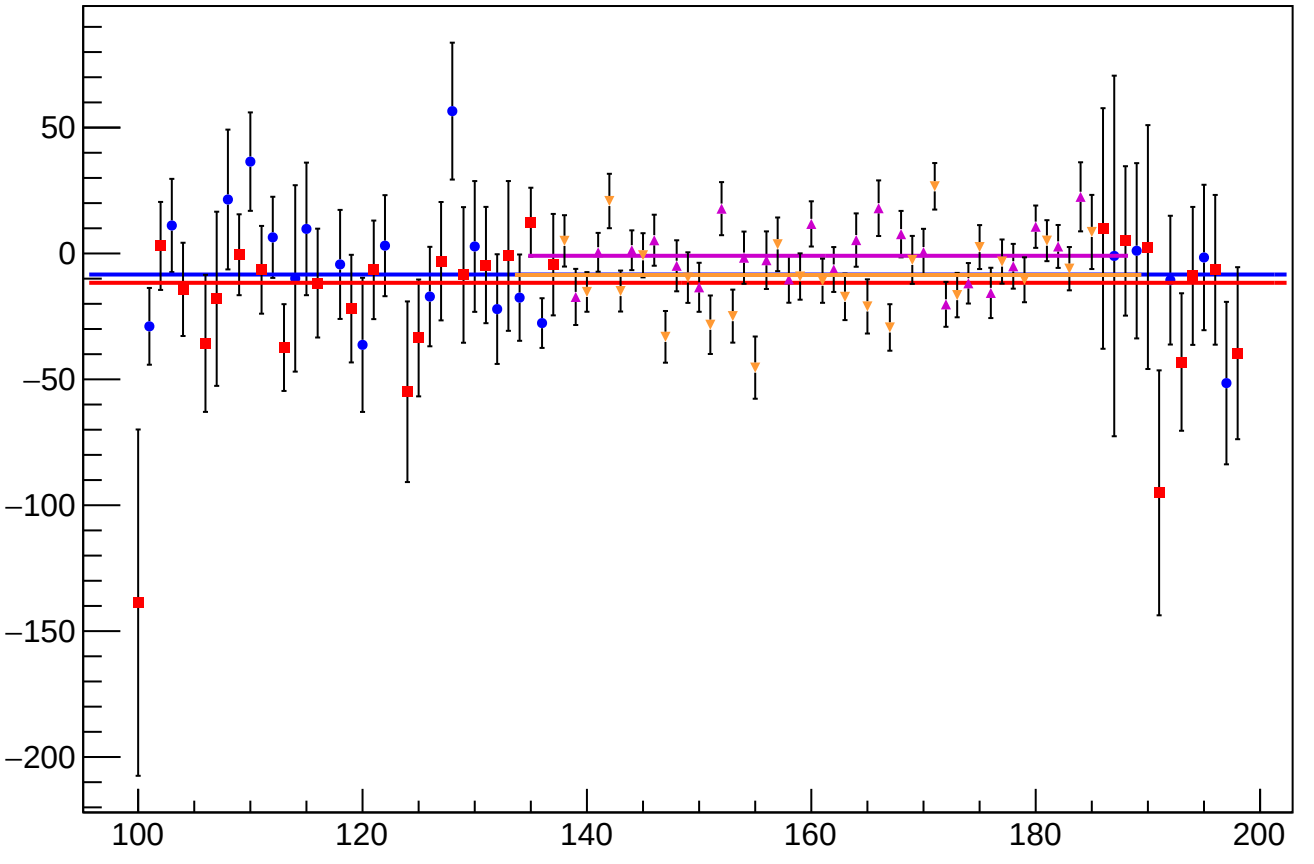
Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6749.269+/-0.891 χ^2/NDF: 1995057.5/45

All: 6695.985+/-0.622 χ^2/NDF: 4918687.3/95

- sign 6645.349+/-0.869 χ^2/NDF: 2916655.3/49

diff_bpm4eX_mean vs Slug



Right In: -8.361+/-4.515 χ^2/NDF: 24.6/20

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -11.654+/-4.482 χ^2/NDF: 19.6/26

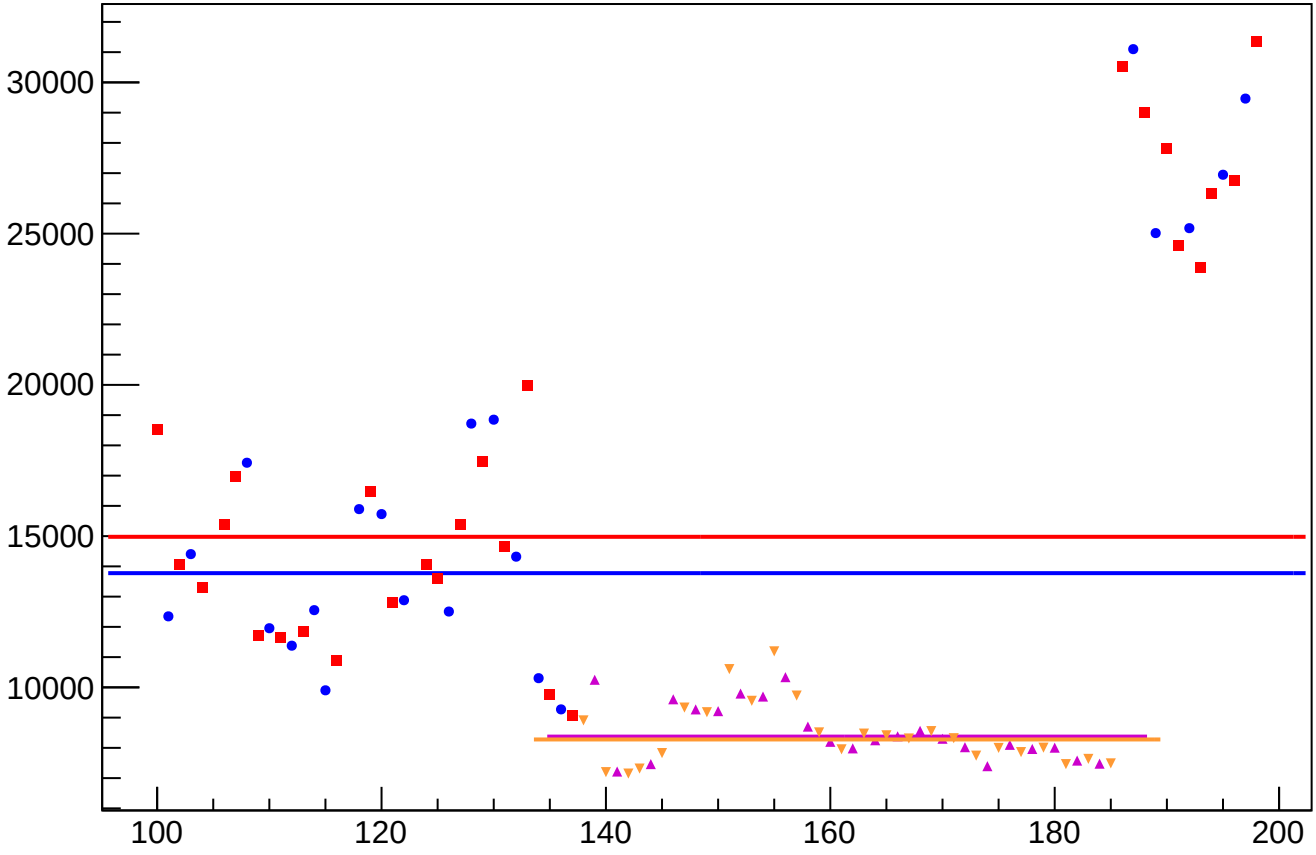
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.510+/-1.749 χ^2/NDF: 86.6/45

All: -5.672+/-1.255 χ^2/NDF: 145.4/95

- sign -2.656+/-1.803 χ^2/NDF: 53.5/49

diff_bpm4eX_rms vs Slug



Right In: 13775.979+/-3.192 χ^2/NDF: 2458072.9/20

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

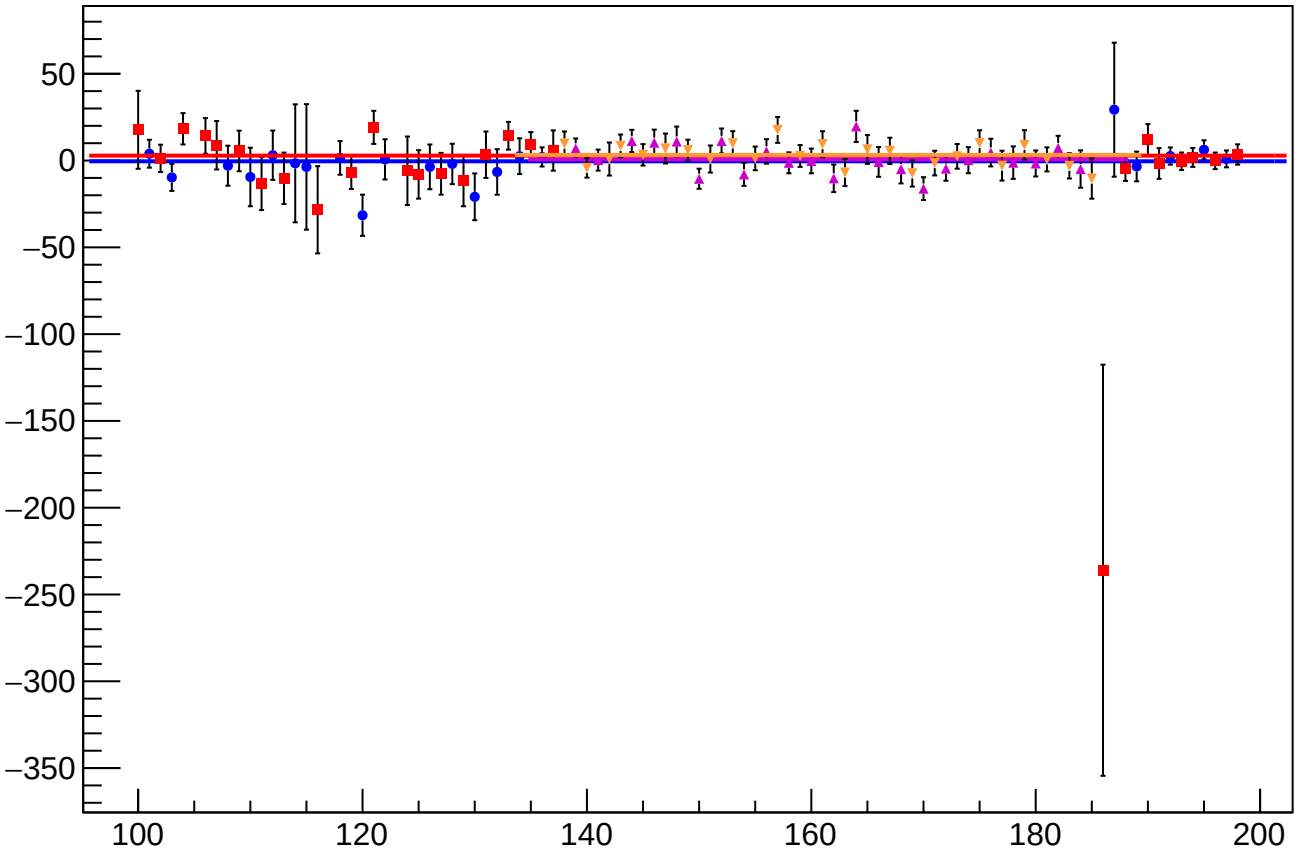
Right Out: 14977.634+/-3.169 χ^2/NDF: 3113128.0/26

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9102.612+/-1.236 χ^2/NDF: 5434606.4/45

All: 9266.553+/-0.888 χ^2/NDF: 12617799.8/9

- sign 9440.783+/-1.275 χ^2/NDF: 7146930.2/49



Right In: -0.426+/-1.916 χ^2/NDF: 14.6/20

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

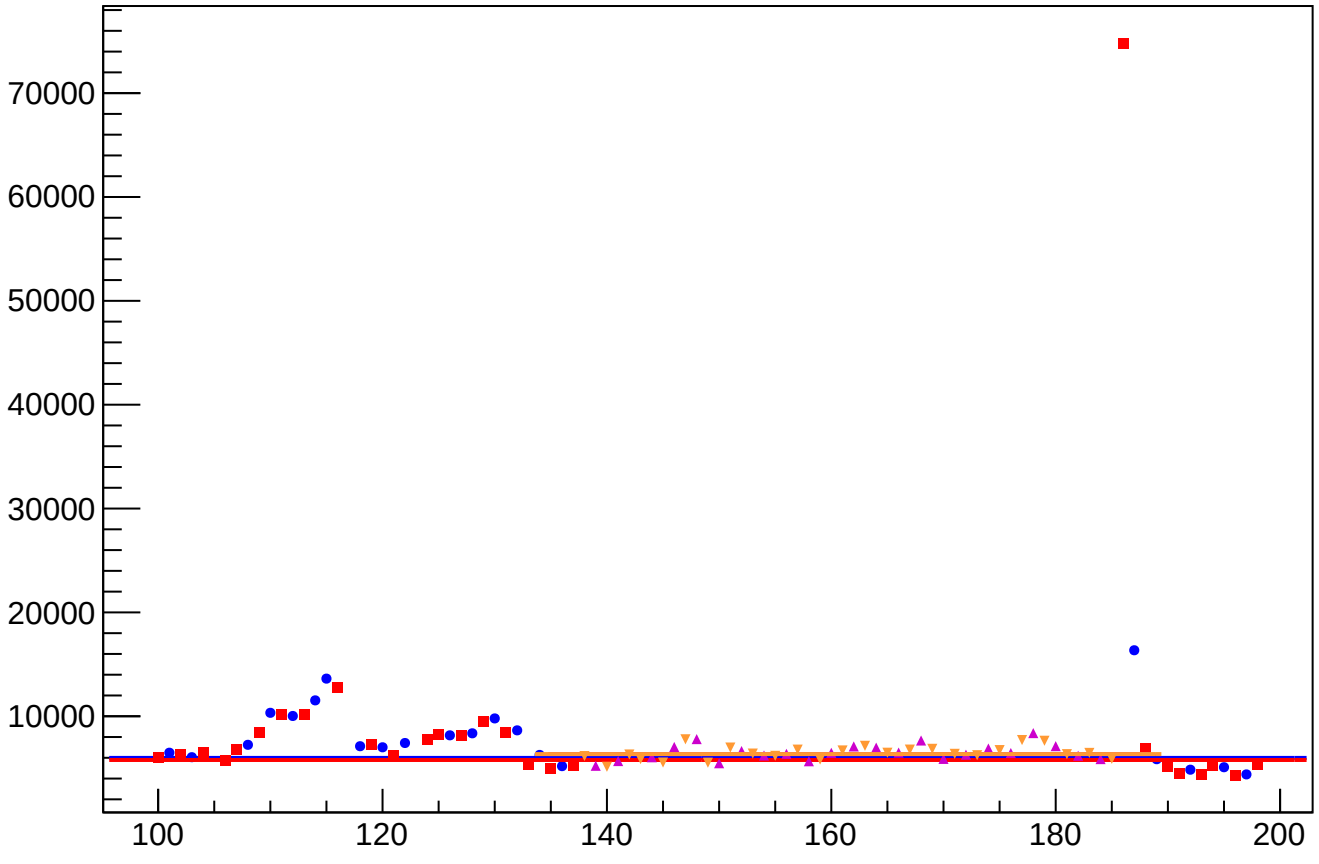
Right Out: 2.841+/-1.708 χ^2/NDF: 25.0/26

Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.906+/-1.160 χ^2/NDF: 34.5/45

All: 1.749+/-0.808 χ^2/NDF: 91.2/95

- sign 1.601+/-1.127 χ^2/NDF: 56.6/49



Right In: 5989.042+/-1.355 χ^2/NDF: 1480935.3/20

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5789.569+/-1.207 χ^2/NDF: 2258132.9/26

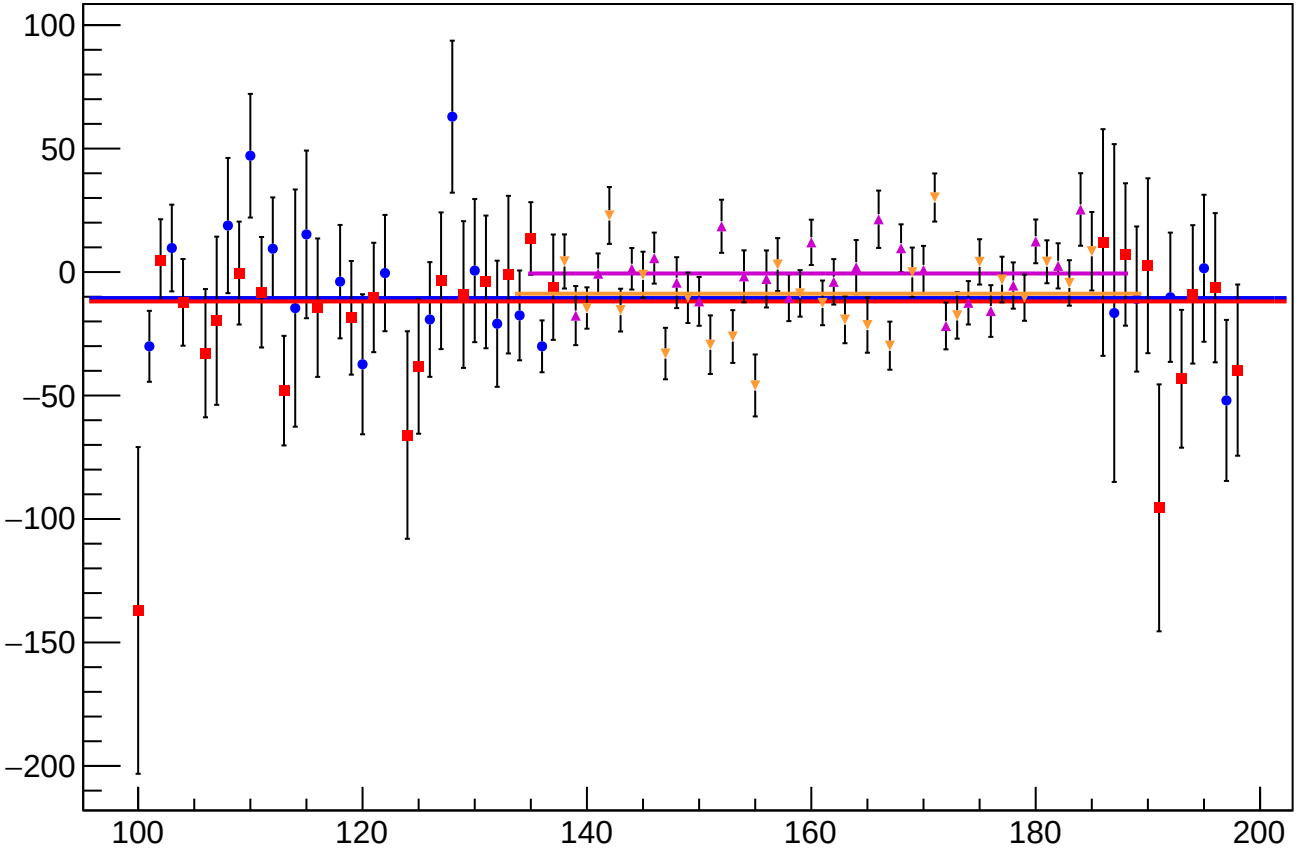
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6222.555+/-0.820 χ^2/NDF: 1941939.4/45

All: 6165.478+/-0.571 χ^2/NDF: 4809357.6/95

- sign 6111.627+/-0.797 χ^2/NDF: 2858005.4/49

diff_bpm4acX_mean vs Slug



Right In: -10.525+/-4.868 χ^2/NDF: 23.9/20

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -11.899+/-4.885 χ^2/NDF: 20.0/26

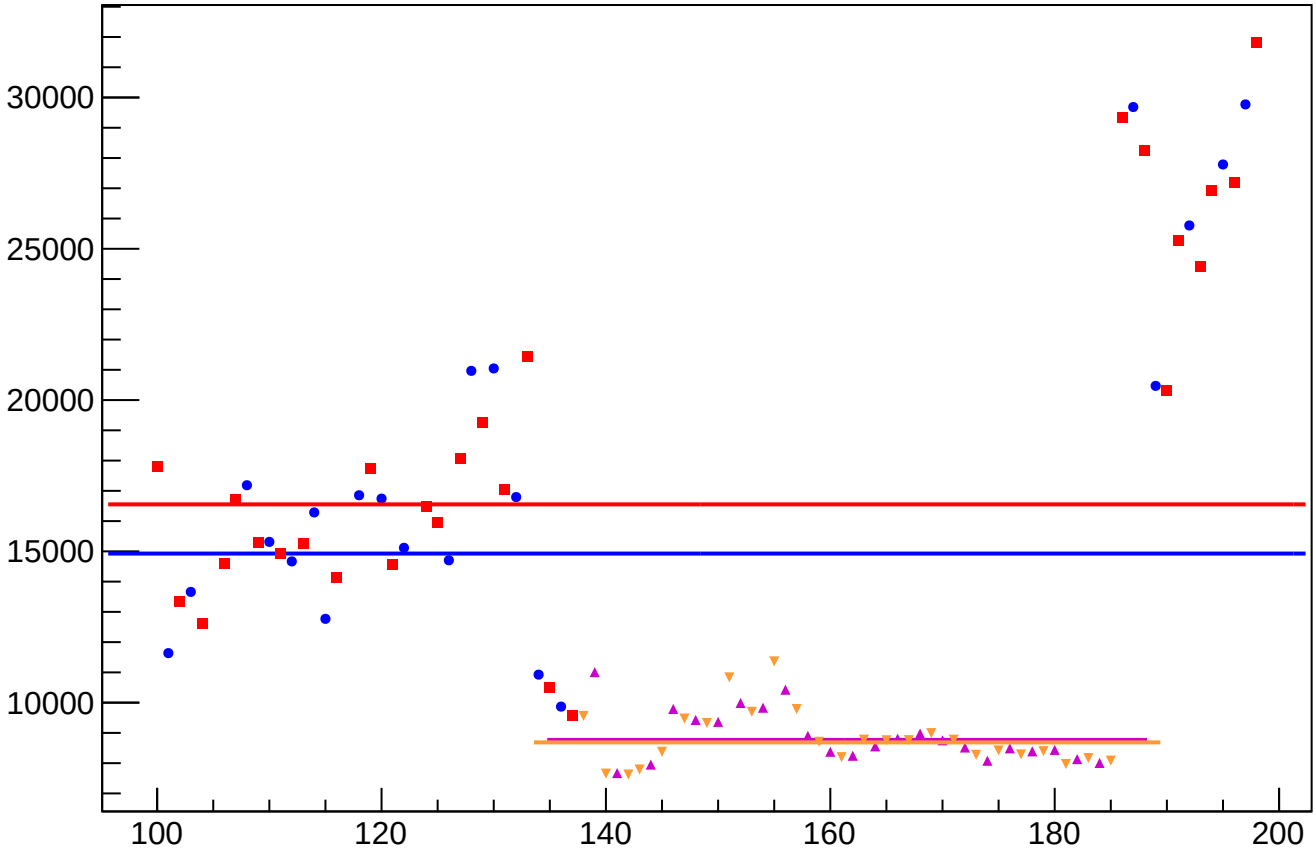
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.018+/-1.840 χ^2/NDF: 86.7/45

All: -5.756+/-1.321 χ^2/NDF: 147.3/95

- sign -2.287+/-1.897 χ^2/NDF: 54.1/49

diff_bpm4acX_rms vs Slug



Right In: 14927.402+/-3.442 χ^2/NDF: 2194655.6/20

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 16553.226+/-3.454 χ^2/NDF: 2507921.1/26

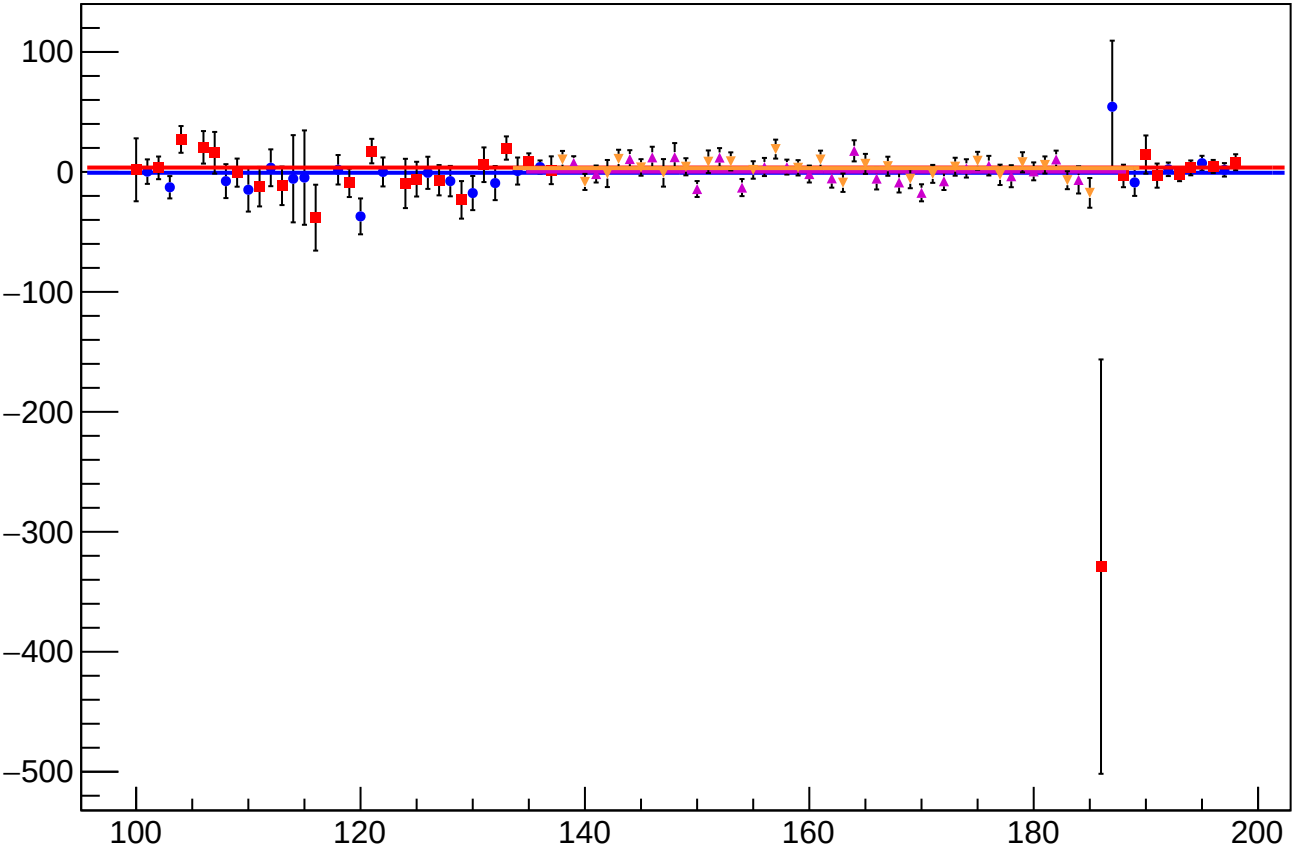
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9577.344+/-1.301 χ^2/NDF: 5353338.5/45

All: 9754.126+/-0.934 χ^2/NDF: 12508186.0/9

- sign 9942.193+/-1.342 χ^2/NDF: 7116730.9/49

diff_bpm4acY_mean vs Slug



Right In: -0.705+/-2.164 χ^2/NDF: 15.1/20

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 3.645+/-1.959 χ^2/NDF: 28.2/26

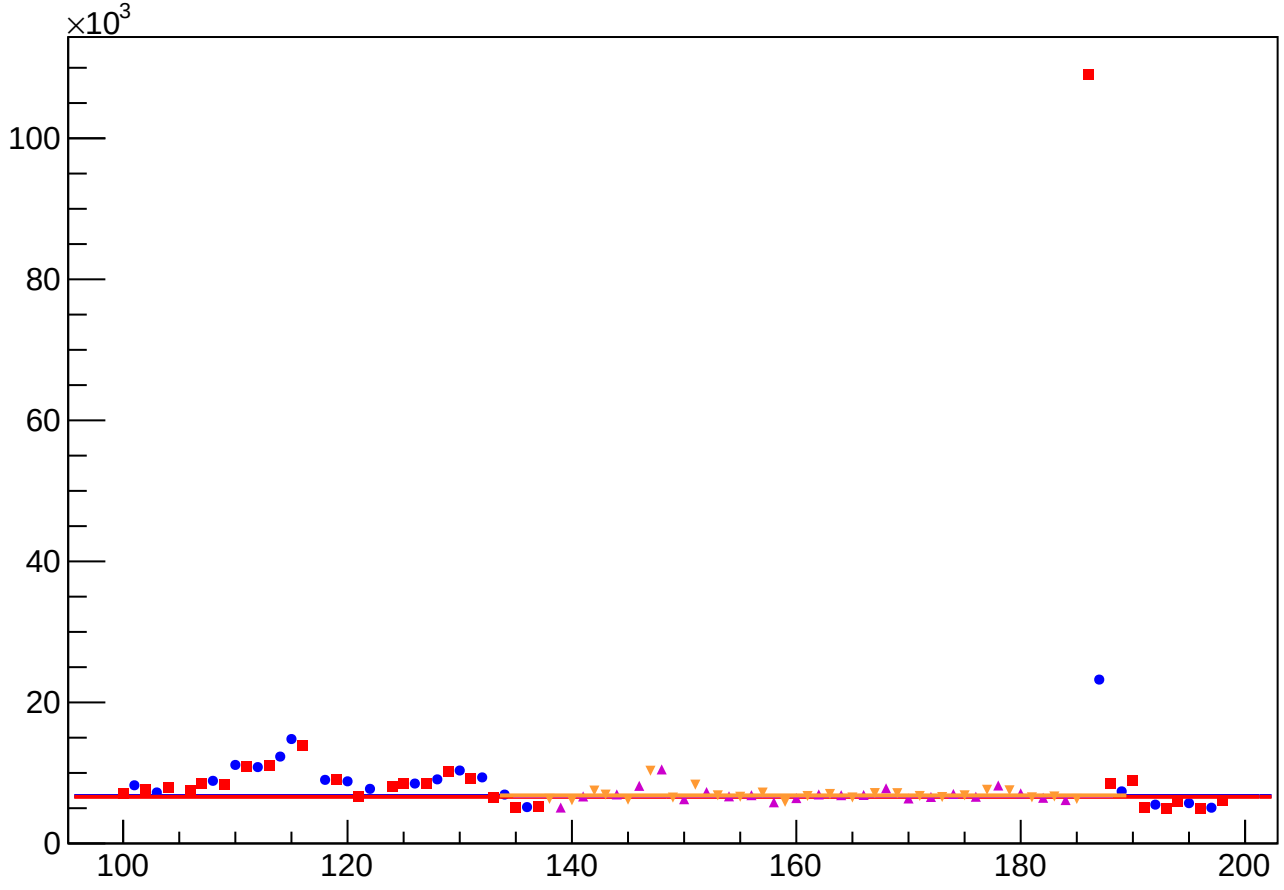
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.843+/-1.266 χ^2/NDF: 38.9/45

All: 1.723+/-0.884 χ^2/NDF: 103.1/95

- sign 1.609+/-1.235 χ^2/NDF: 64.2/49

diff_bpm4acY_rms vs Slug



Right In: 6728.465+/-1.530 χ^2/NDF: 1588480.0/20

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6610.789+/-1.386 χ^2/NDF: 2286063.4/26

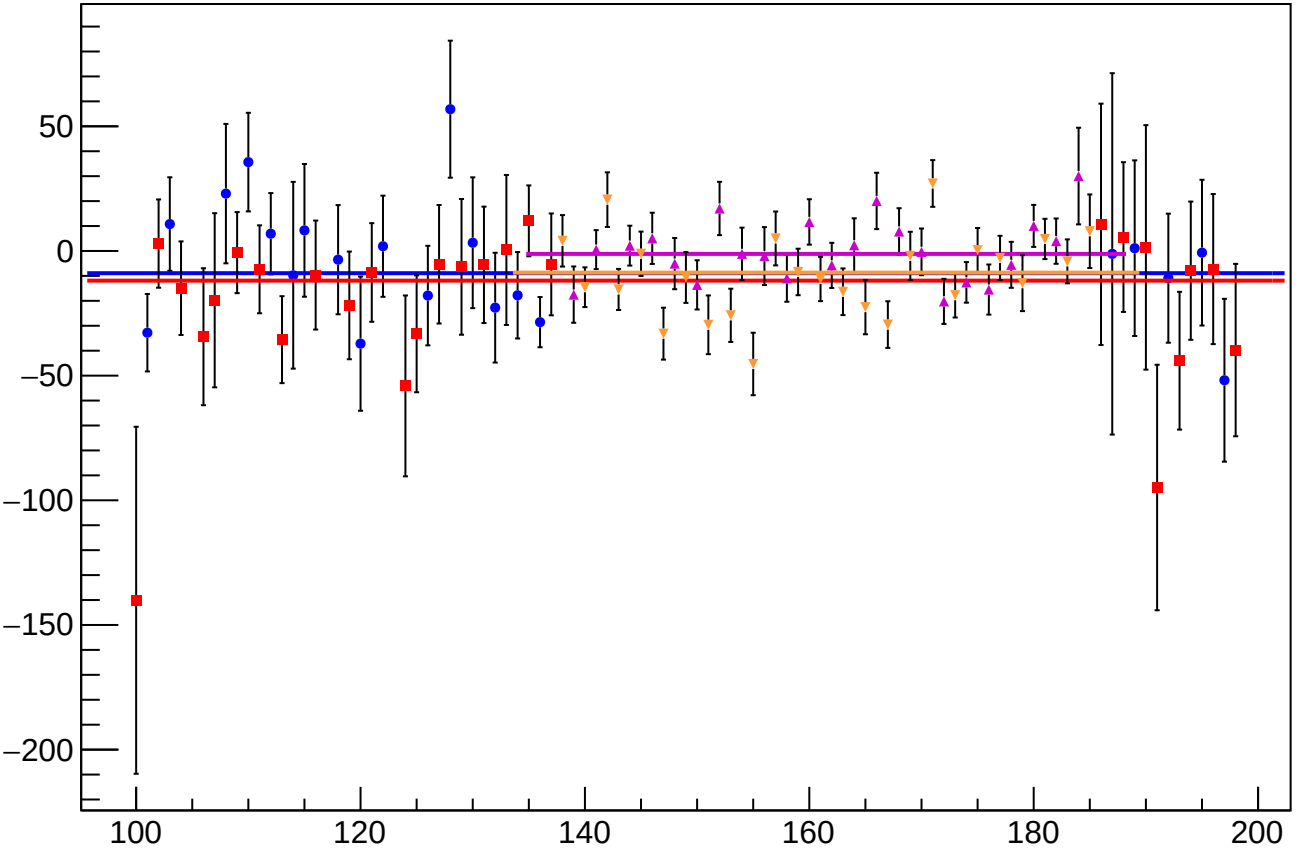
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6784.016+/-0.895 χ^2/NDF: 1985106.4/45

All: 6731.399+/-0.625 χ^2/NDF: 4892247.1/95

- sign 6681.376+/-0.873 χ^2/NDF: 2900405.3/49

diff_bpm4ecX_mean vs Slug



Right In: -8.910+/-4.576 χ^2/NDF: 25.2/20

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -11.894+/-4.546 χ^2/NDF: 18.5/26

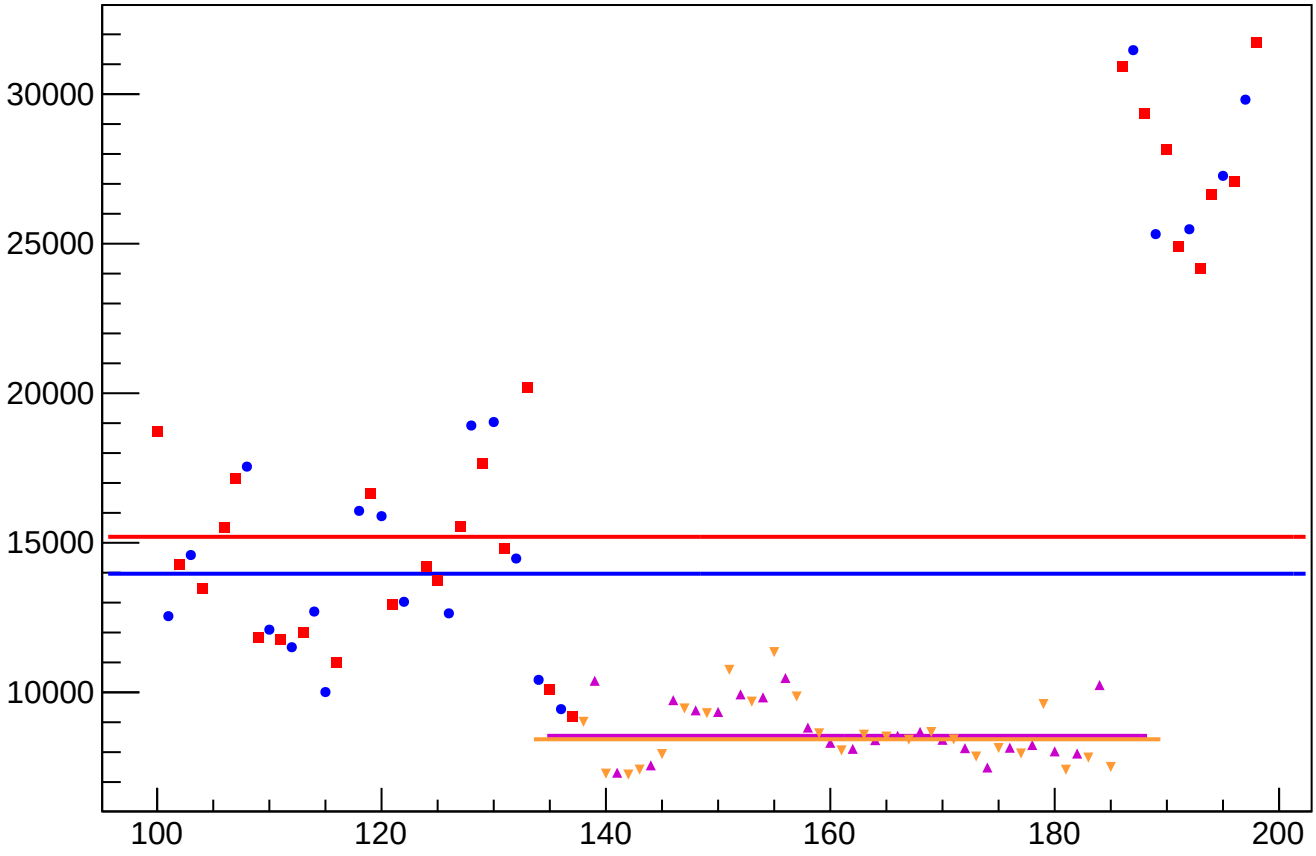
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.725+/-1.783 χ^2/NDF: 86.6/45

All: -5.919+/-1.281 χ^2/NDF: 143.4/95

- sign -2.930+/-1.840 χ^2/NDF: 51.7/49

diff_bpm4ecX_rms vs Slug



Right In: 13965.689+/-3.236 χ^2/NDF: 2438767.0/20

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15199.880+/-3.215 χ^2/NDF: 3077806.8/26

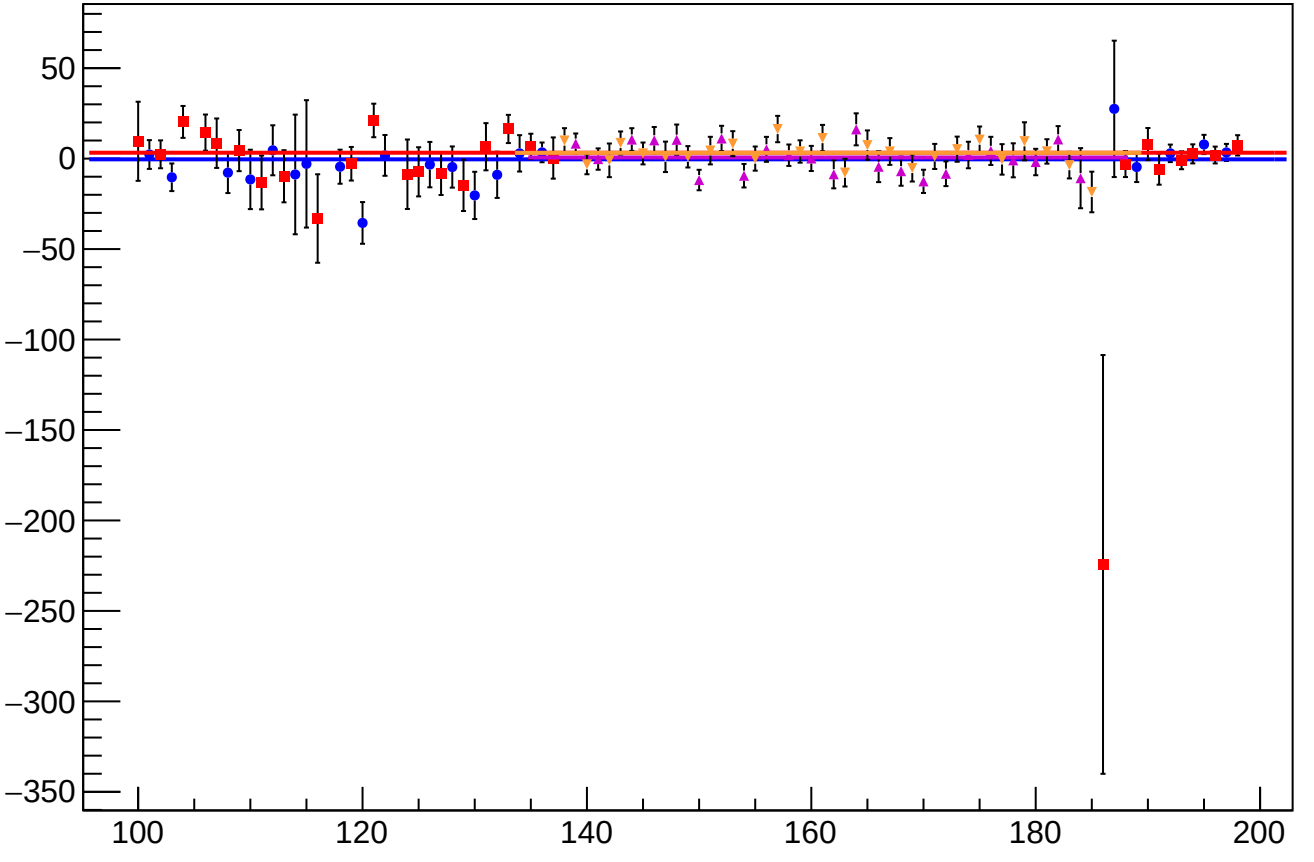
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9271.076+/-1.261 χ^2/NDF: 5405127.0/45

All: 9447.649+/-0.905 χ^2/NDF: 12495889.0/9

- sign 9635.701+/-1.301 χ^2/NDF: 7050263.3/49

diff_bpm4ecY_mean vs Slug



Right In: -0.400+/-1.869 χ^2/NDF: 20.3/20

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 3.255+/-1.666 χ^2/NDF: 27.8/26

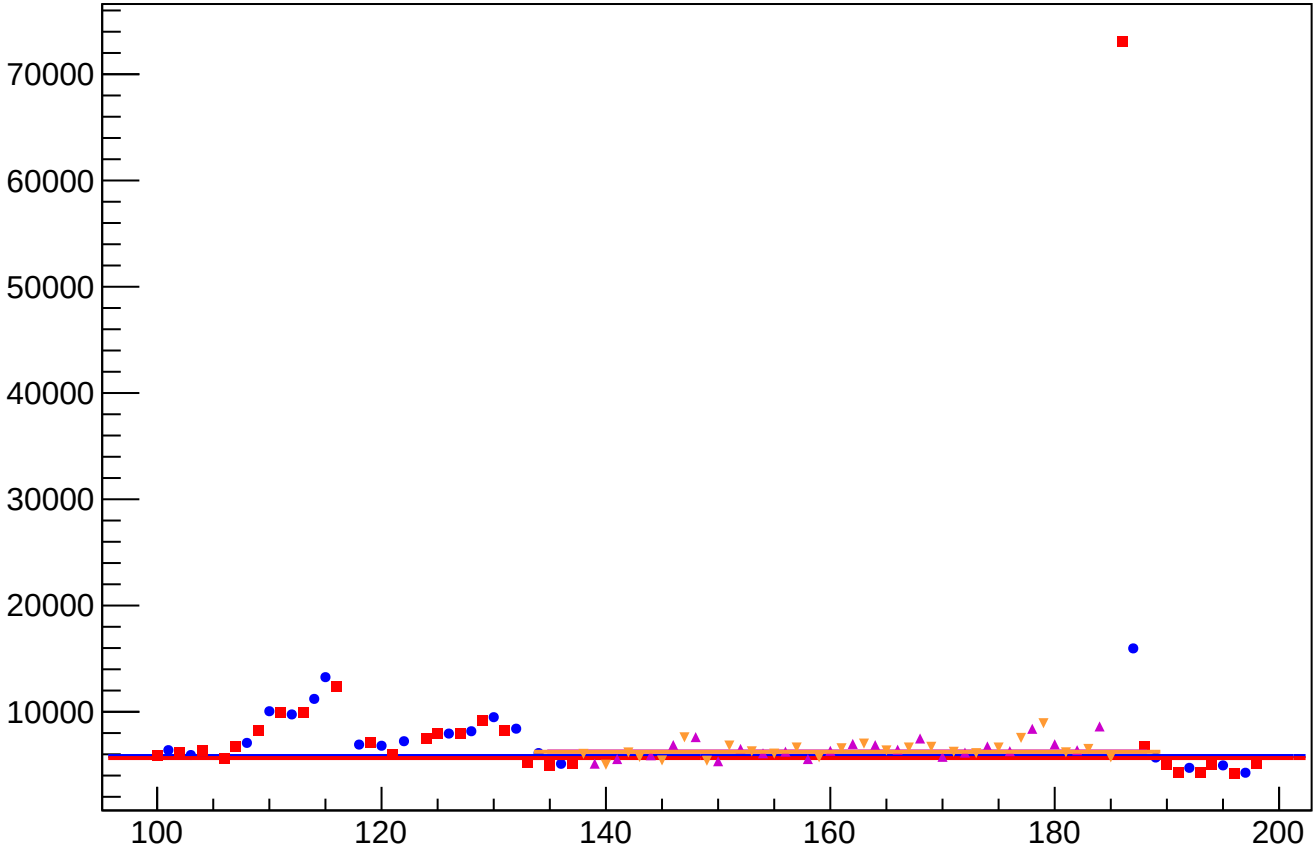
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.856+/-1.138 χ^2/NDF: 41.3/45

All: 1.823+/-0.794 χ^2/NDF: 102.3/95

- sign 1.791+/-1.107 χ^2/NDF: 61.0/49

diff_bpm4ecY_rms vs Slug



Right In: 5838.059+/-1.322 χ^2/NDF: 1484141.3/20

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5646.005+/-1.178 χ^2/NDF: 2240409.4/26

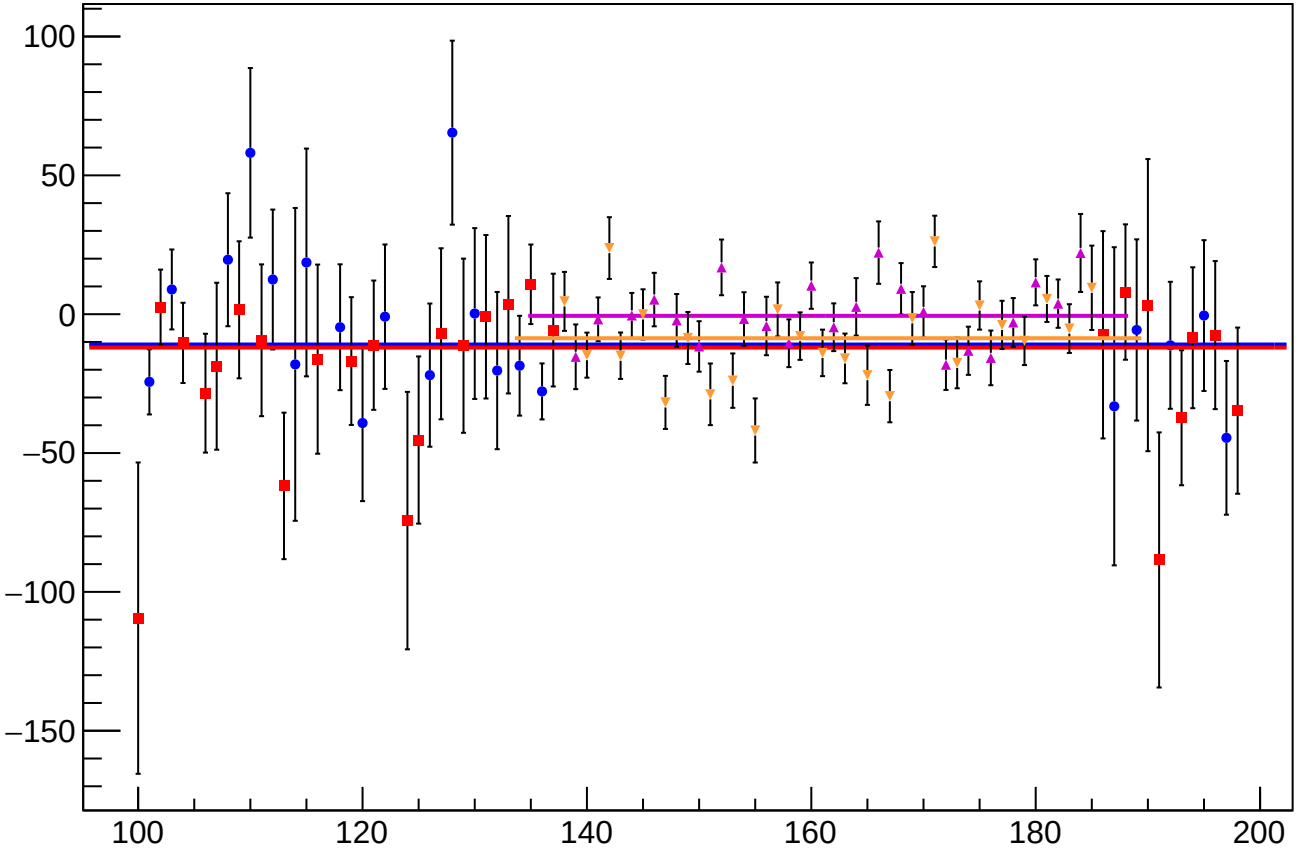
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6089.680+/-0.805 χ^2/NDF: 2049461.3/45

All: 6040.211+/-0.561 χ^2/NDF: 4977351.7/95

- sign 5993.402+/-0.783 χ^2/NDF: 2920537.1/49

diff_bpm1X_mean vs Slug



Right In: -10.920+/-4.686 χ^2/NDF: 23.1/20

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

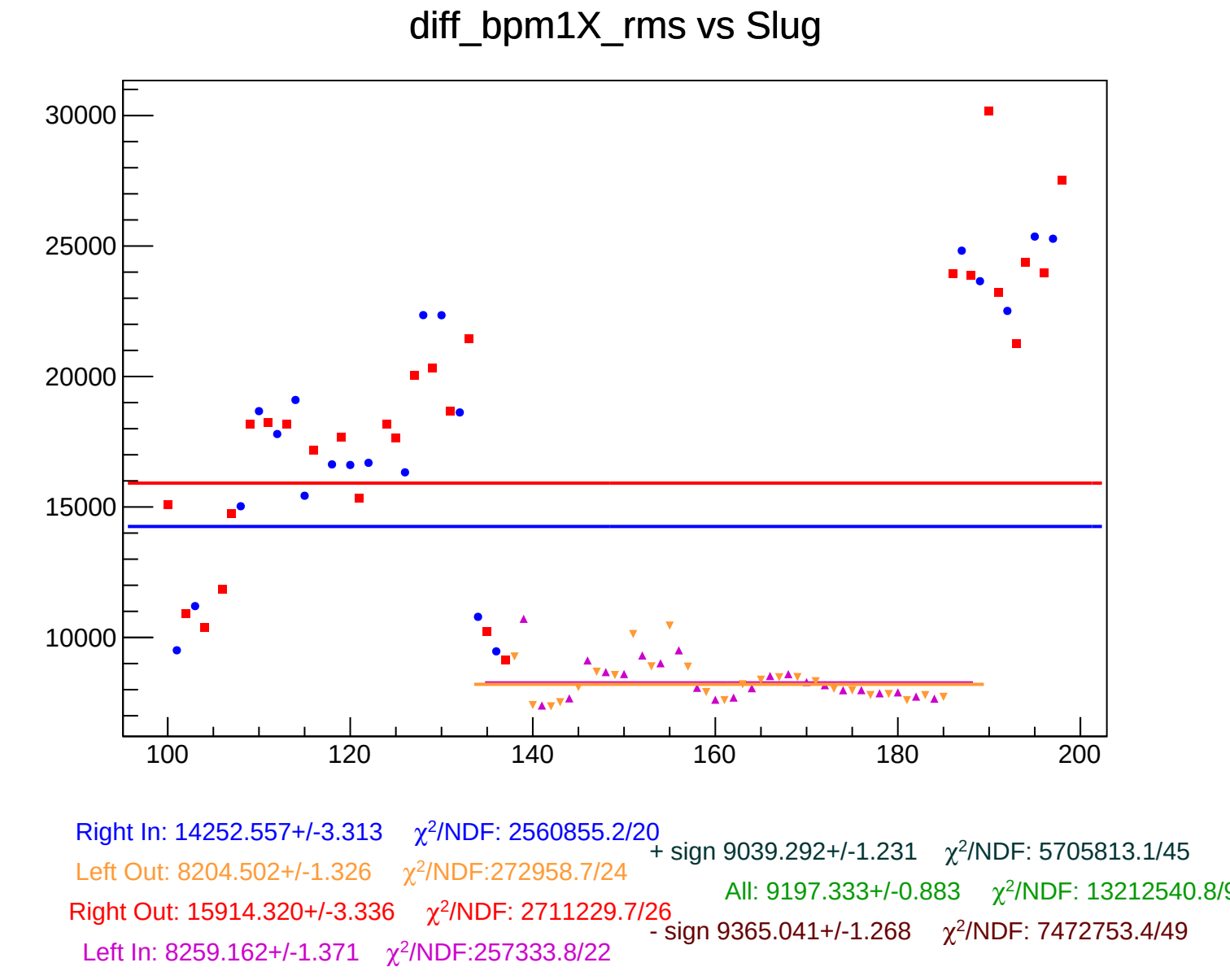
Right Out: -12.018+/-4.718 χ^2/NDF: 20.1/26

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

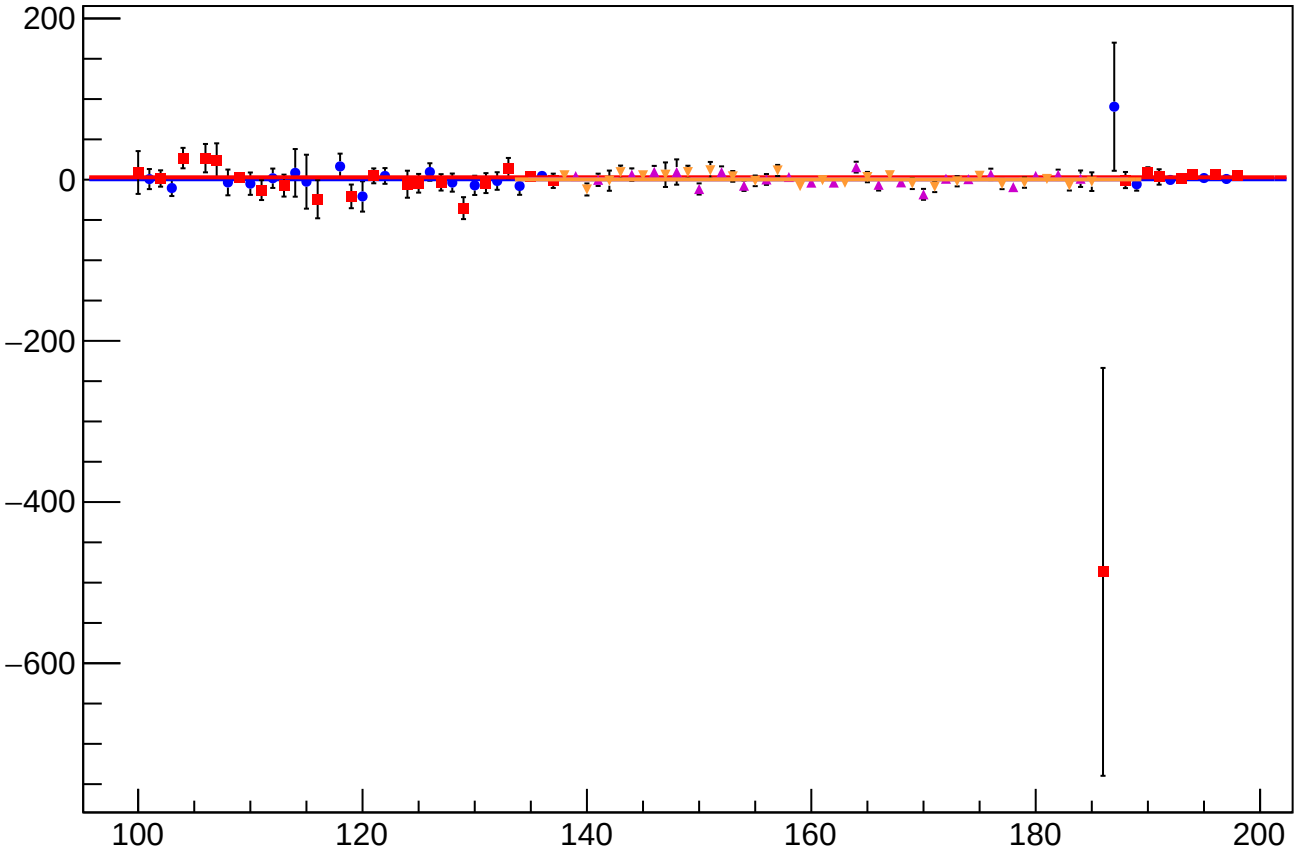
+ sign -8.964+/-1.741 χ^2/NDF: 86.3/45

All: -5.699+/-1.249 χ^2/NDF: 147.2/95

- sign -2.235+/-1.793 χ^2/NDF: 53.6/49


diff_bpm1X_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14252.557+/-3.313 χ²/NDF: 2560855.2/20
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 15914.320+/-3.336 χ²/NDF: 2711229.7/26
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
+ sign 9039.292+/-1.231 χ²/NDF: 5705813.1/45
All: 9197.333+/-0.883 χ²/NDF: 13212540.8/9
- sign 9365.041+/-1.268 χ²/NDF: 7472753.4/49

diff_bpm1Y_mean vs Slug



Right In: 0.511+/-1.941 χ^2/NDF: 8.8/20

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 2.932+/-1.678 χ^2/NDF: 28.6/26

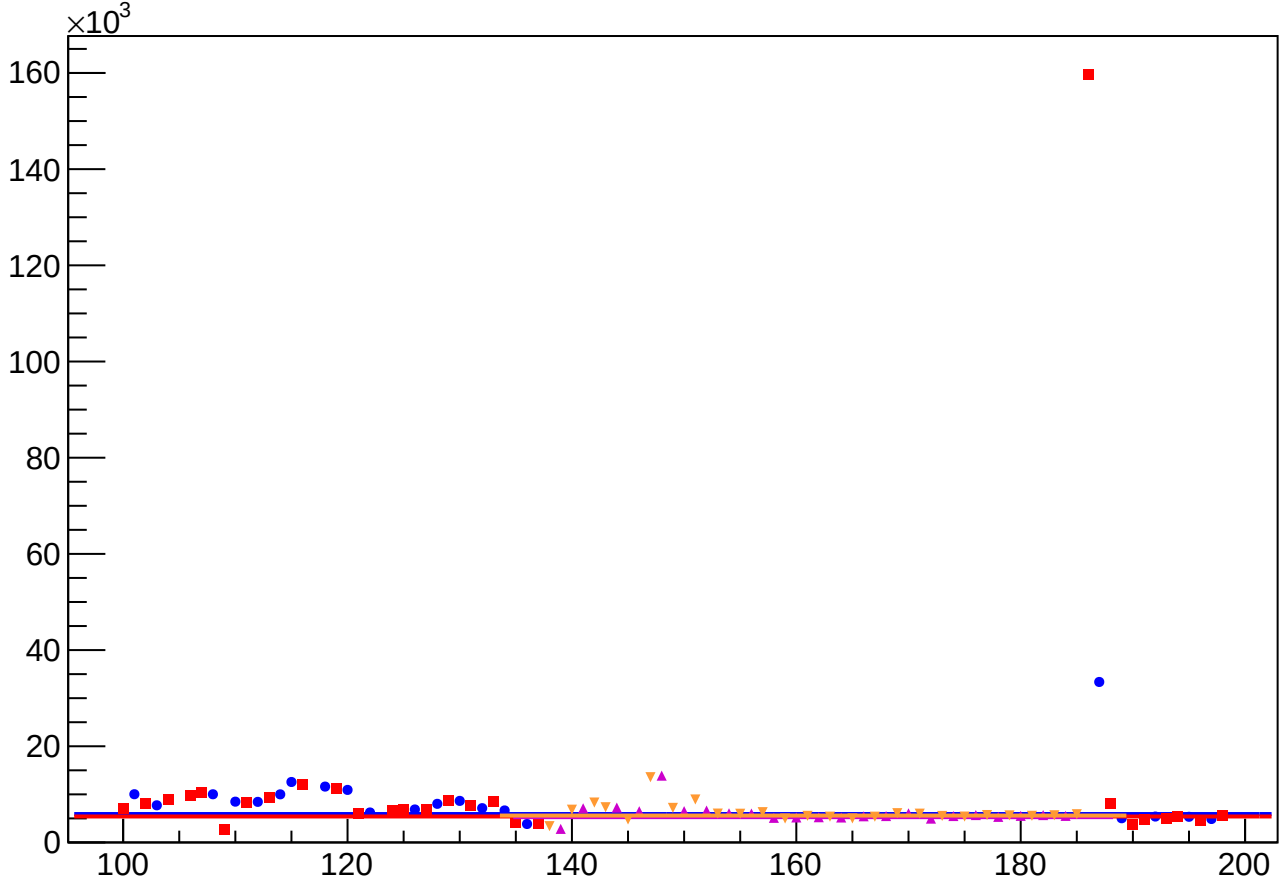
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.403+/-1.092 χ^2/NDF: 30.4/45

All: 1.007+/-0.747 χ^2/NDF: 90.5/95

- sign 1.536+/-1.023 χ^2/NDF: 59.6/49

diff_bpm1Y_rms vs Slug



Right In: 5910.183+/-1.372 χ^2/NDF: 2208535.0/20

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5402.189+/-1.186 χ^2/NDF: 3670021.9/26

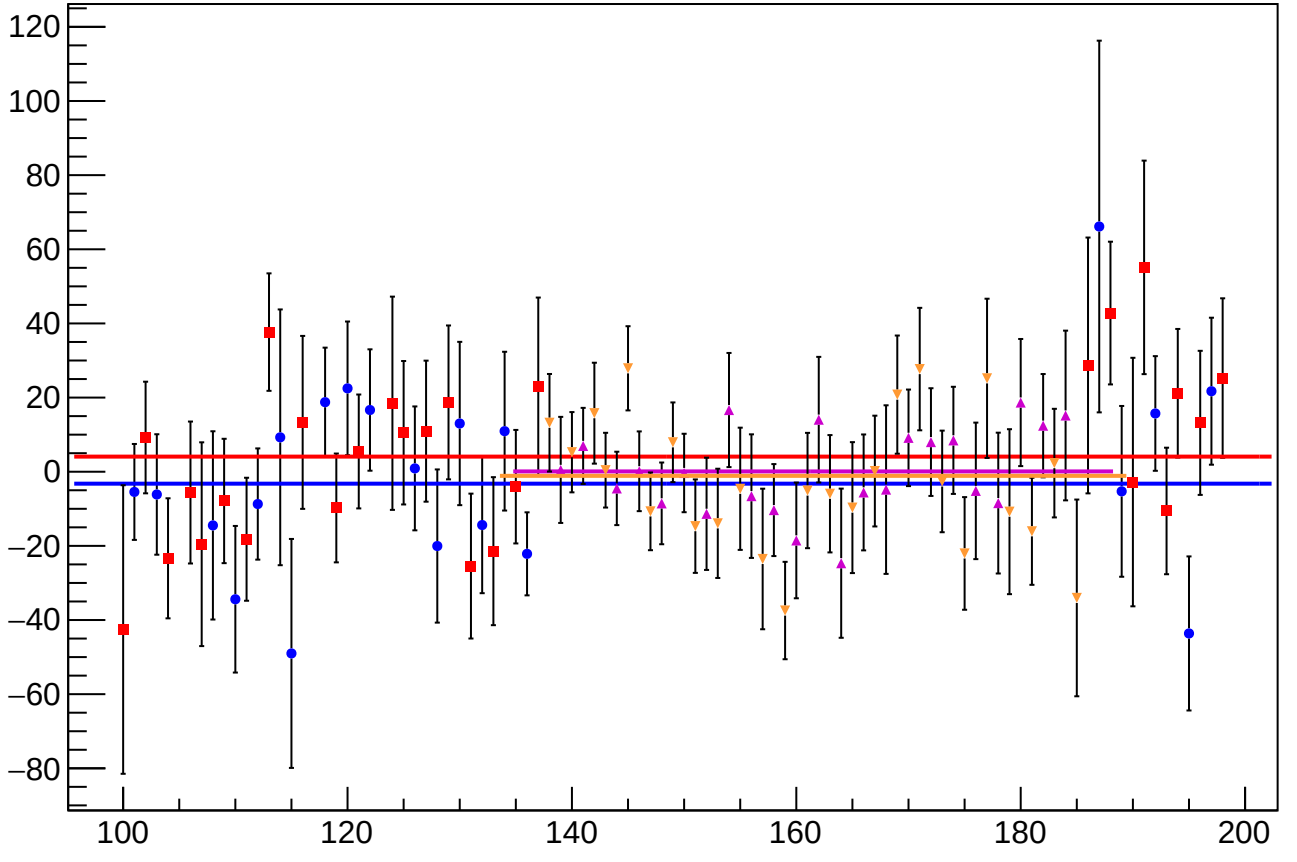
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5694.511+/-0.772 χ^2/NDF: 4028943.0/45

All: 5492.160+/-0.528 χ^2/NDF: 10262078.6/9

- sign 5314.620+/-0.724 χ^2/NDF: 6104301.7/49

diff_bpm11X_mean vs Slug



Right In: -3.221+/-3.951 χ^2/NDF: 24.7/20

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

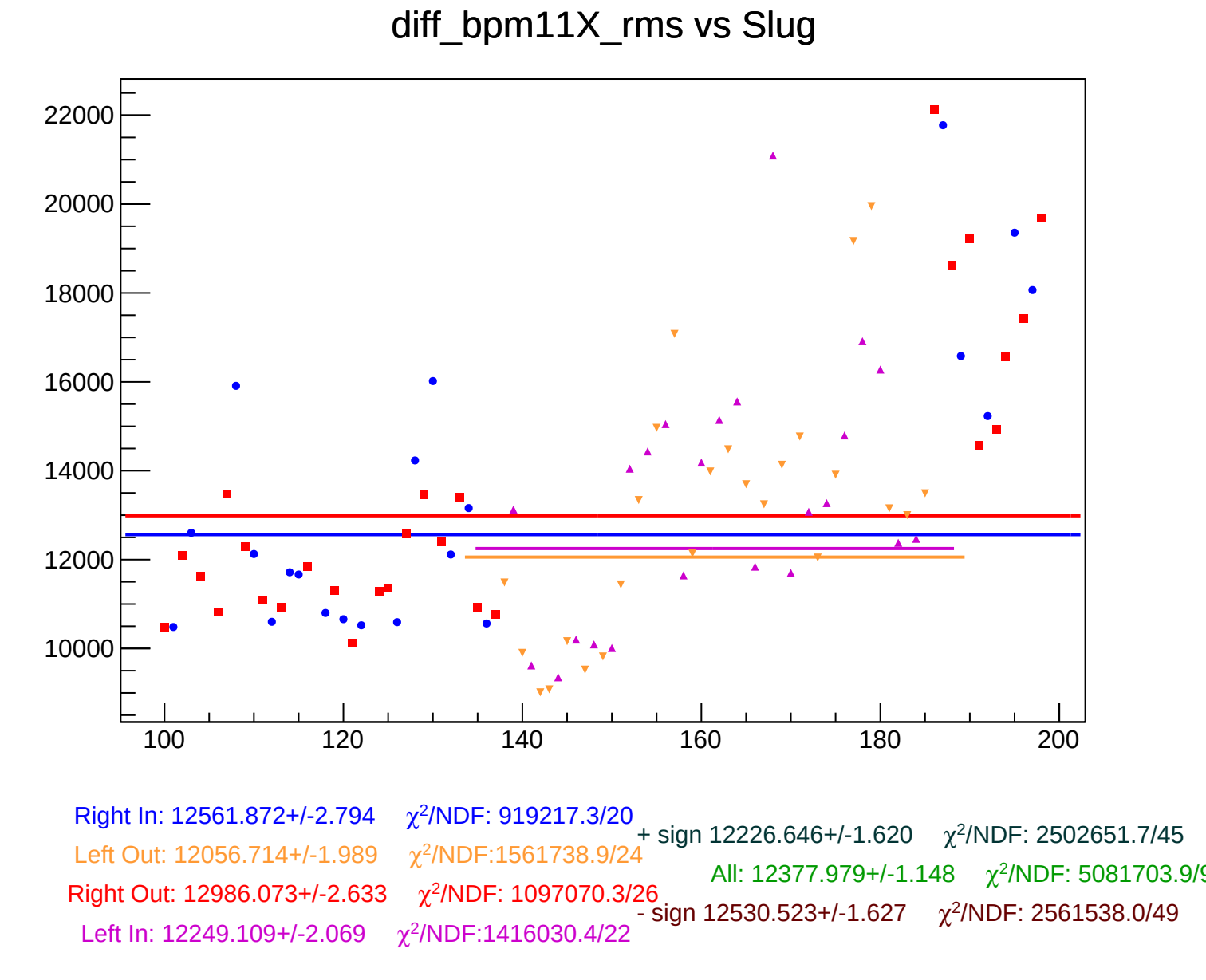
Right Out: 4.078+/-3.723 χ^2/NDF: 29.7/26

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

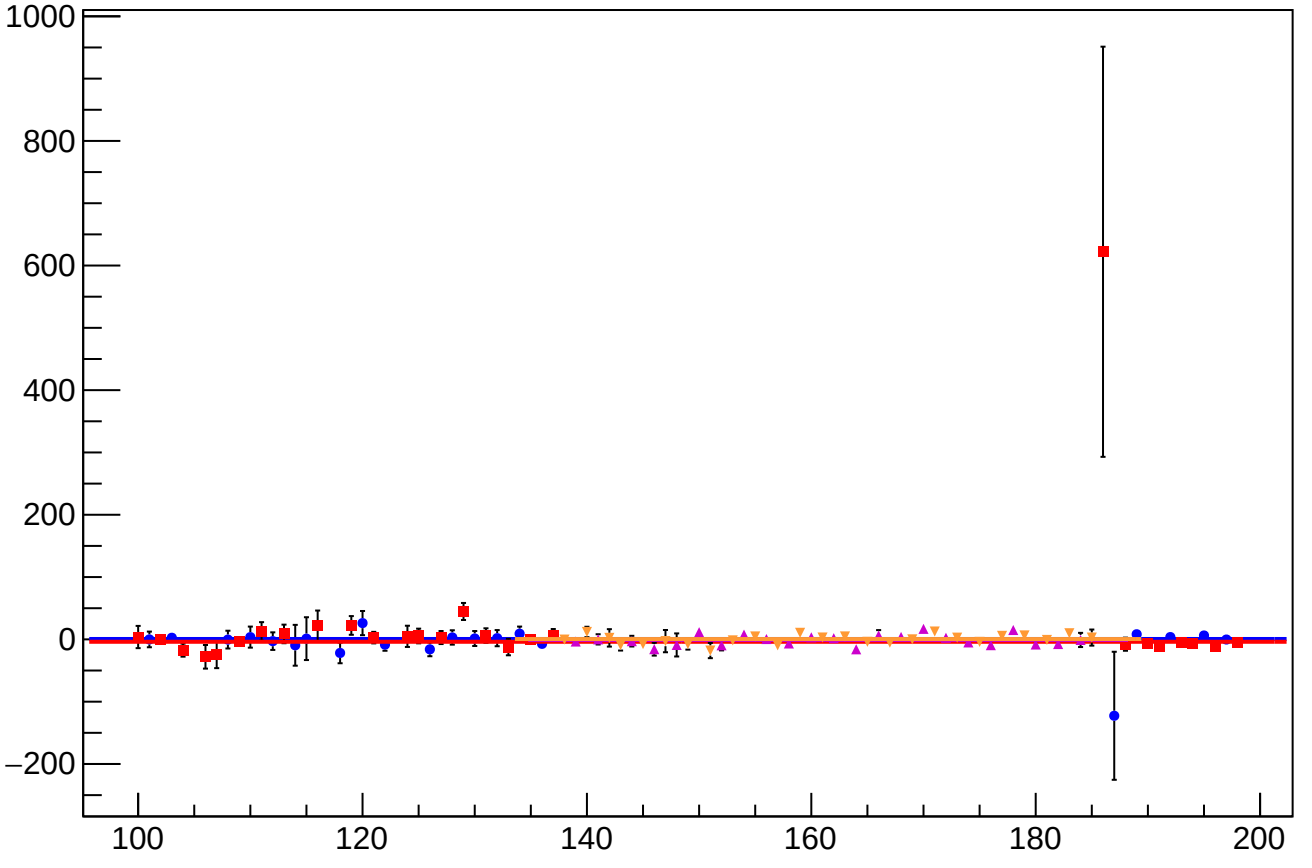
+ sign -1.821+/-2.292 χ^2/NDF: 58.6/45

All: -0.113+/-1.624 χ^2/NDF: 101.6/95

- sign 1.609+/-2.301 χ^2/NDF: 41.9/49


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 12561.872+/-2.794 χ²/NDF: 919217.3/20
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 12986.073+/-2.633 χ²/NDF: 1097070.3/26
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 12226.646+/-1.620 χ²/NDF: 2502651.7/45
All: 12377.979+/-1.148 χ²/NDF: 5081703.9/9
- sign 12530.523+/-1.627 χ²/NDF: 2561538.0/49

diff_bpm11Y_mean vs Slug



Right In: 0.621+/-1.816 χ^2/NDF: 15.0/20

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -3.866+/-1.564 χ^2/NDF: 36.3/26

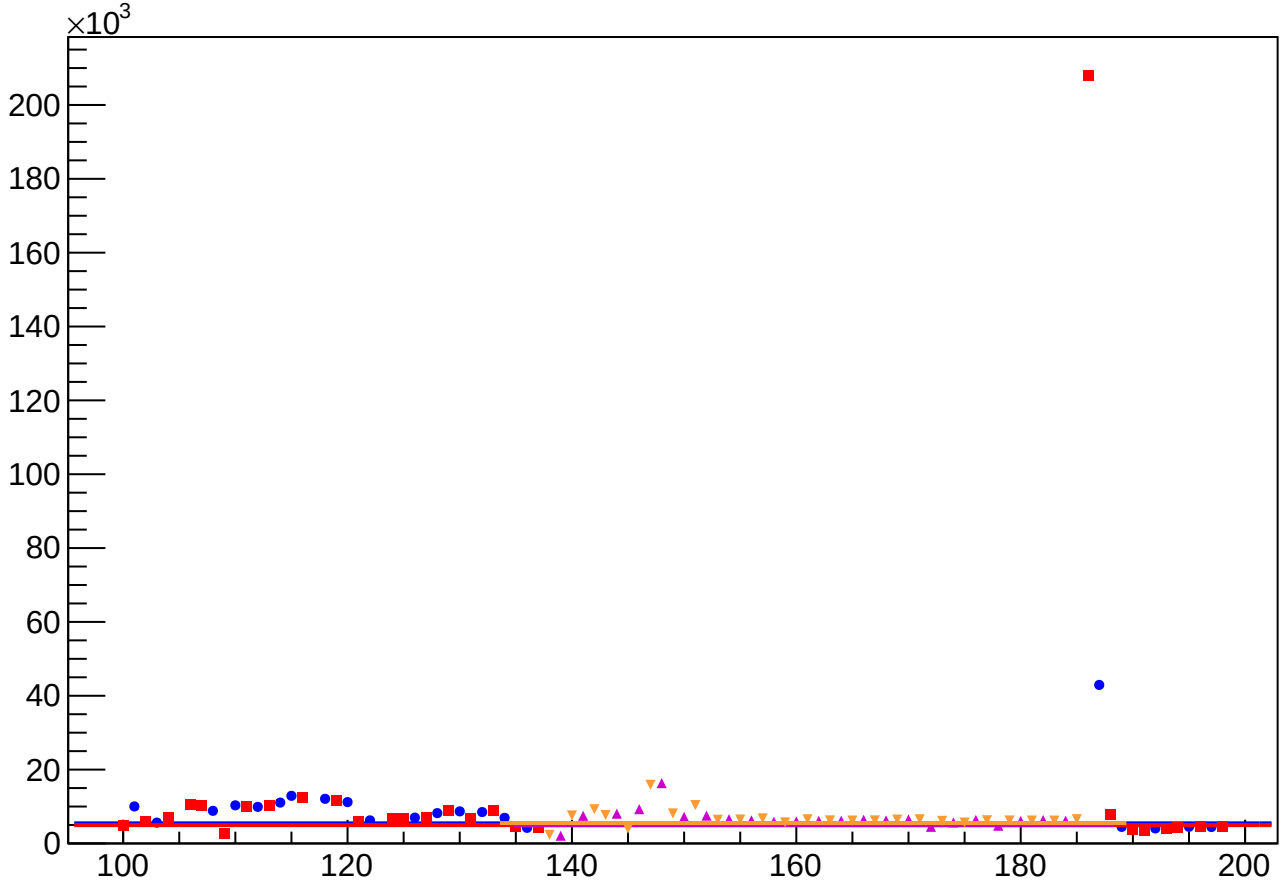
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.560+/-1.093 χ^2/NDF: 36.4/45

All: -0.910+/-0.737 χ^2/NDF: 110.3/95

- sign -2.133+/-0.997 χ^2/NDF: 70.5/49

diff_bpm11Y_rms vs Slug



Right In: 5442.479+/-1.284 χ^2/NDF: 2681712.8/20

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

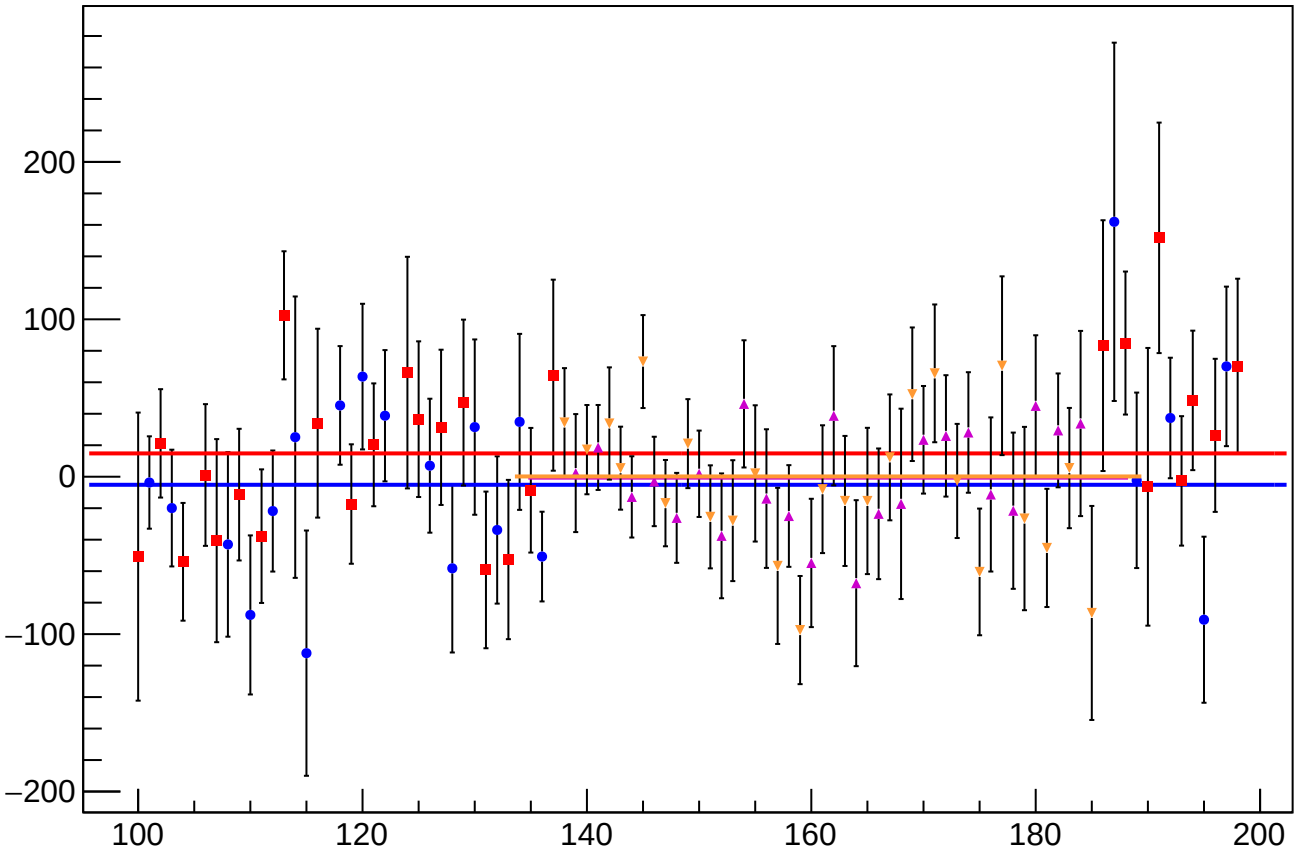
Right Out: 4966.902+/-1.106 χ^2/NDF: 3687422.6/26

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5497.008+/-0.773 χ^2/NDF: 7060260.7/45

All: 5199.609+/-0.521 χ^2/NDF: 16955324.8/9

- sign 4952.116+/-0.705 χ^2/NDF: 9623831.9/49



Right In: -5.125+/-9.831 χ^2/NDF: 23.7/20

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

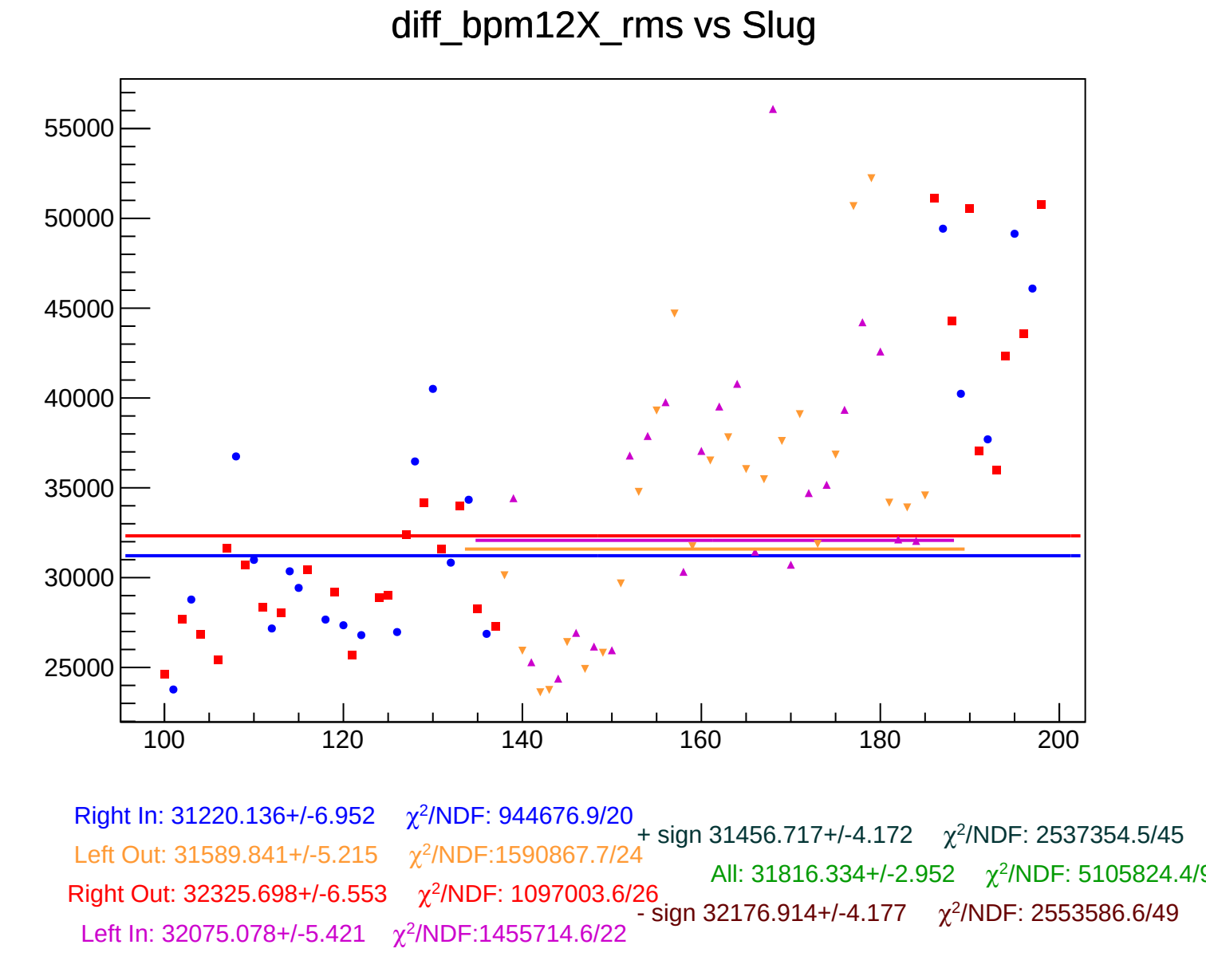
Right Out: 14.809+/-9.267 χ^2/NDF: 26.8/26

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

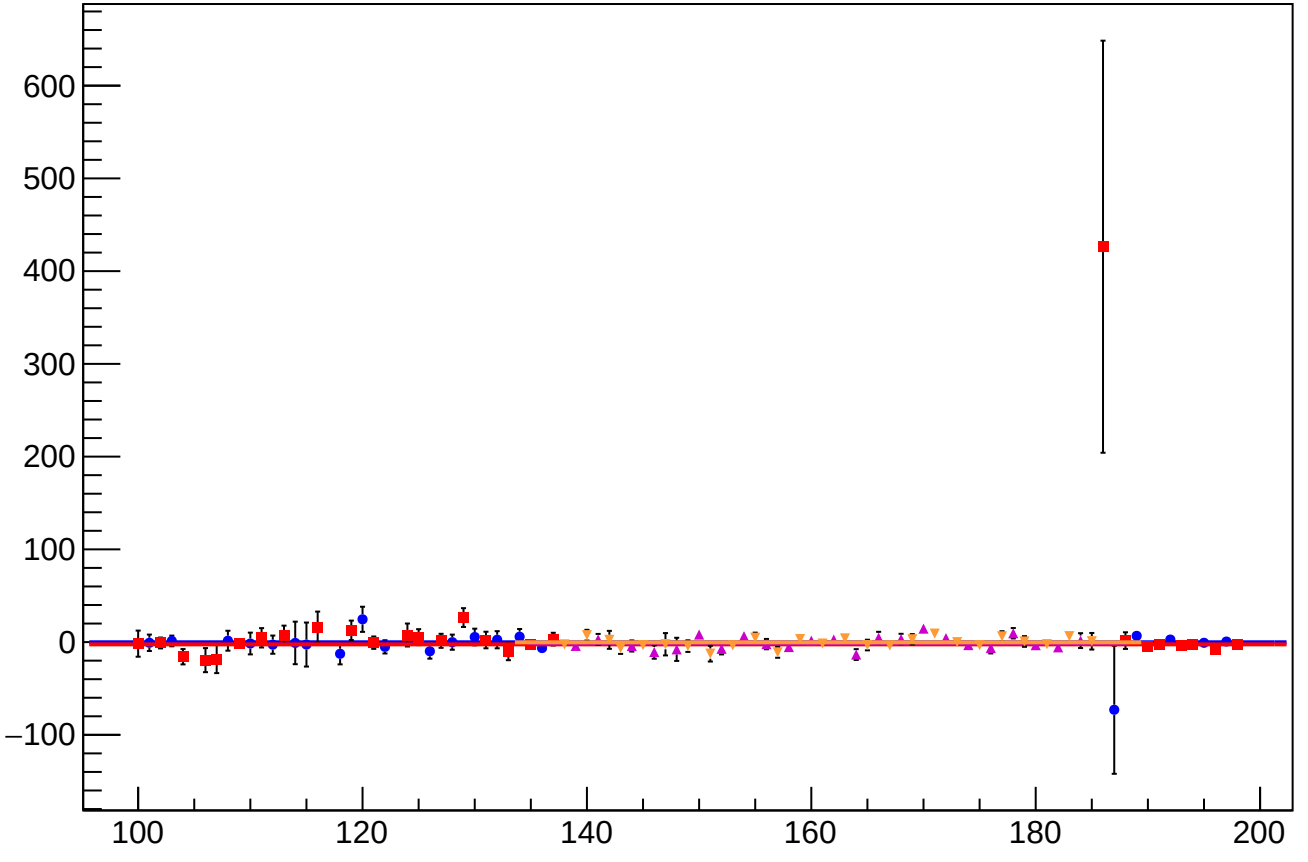
+ sign -1.738+/-5.899 χ^2/NDF: 55.0/45

All: 1.961+/-4.174 χ^2/NDF: 97.1/95

- sign 5.670+/-5.907 χ^2/NDF: 41.3/49


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31220.136+/-6.952 χ²/NDF: 944676.9/20
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 32325.698+/-6.553 χ²/NDF: 1097003.6/26
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31456.717+/-4.172 χ²/NDF: 2537354.5/45
All: 31816.334+/-2.952 χ²/NDF: 5105824.4/9
- sign 32176.914+/-4.177 χ²/NDF: 2553586.6/49

diff_bpm12Y_mean vs Slug



Right In: -0.203+/-1.263 χ^2/NDF: 15.6/20

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

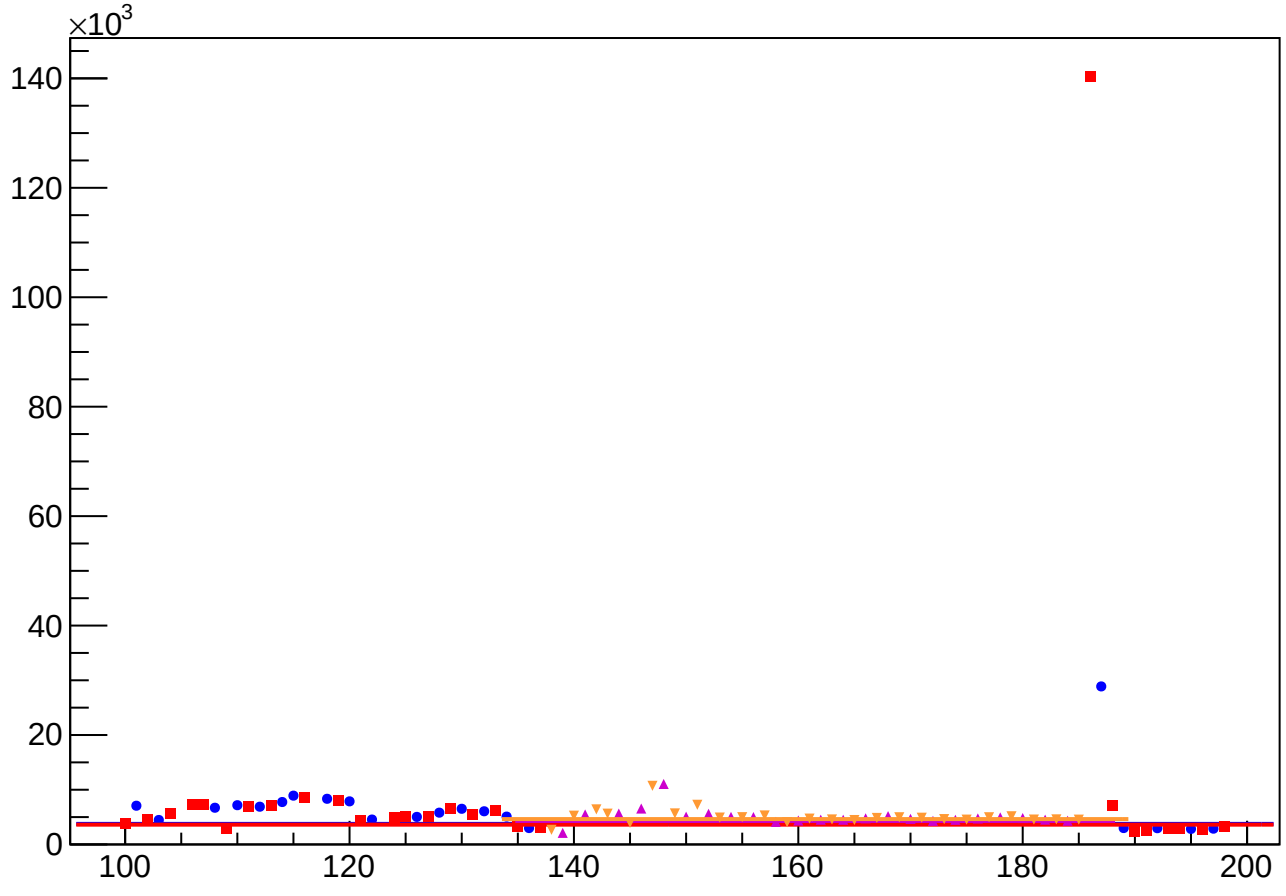
Right Out: -2.437+/-1.129 χ^2/NDF: 28.8/26

Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.216+/-0.827 χ^2/NDF: 35.5/45

All: -0.934+/-0.565 χ^2/NDF: 100.6/95

- sign -1.562+/-0.773 χ^2/NDF: 63.7/49



Right In: 3758.302+/-0.893 χ^2/NDF: 2955583.1/20

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3618.016+/-0.798 χ^2/NDF: 3721654.4/26

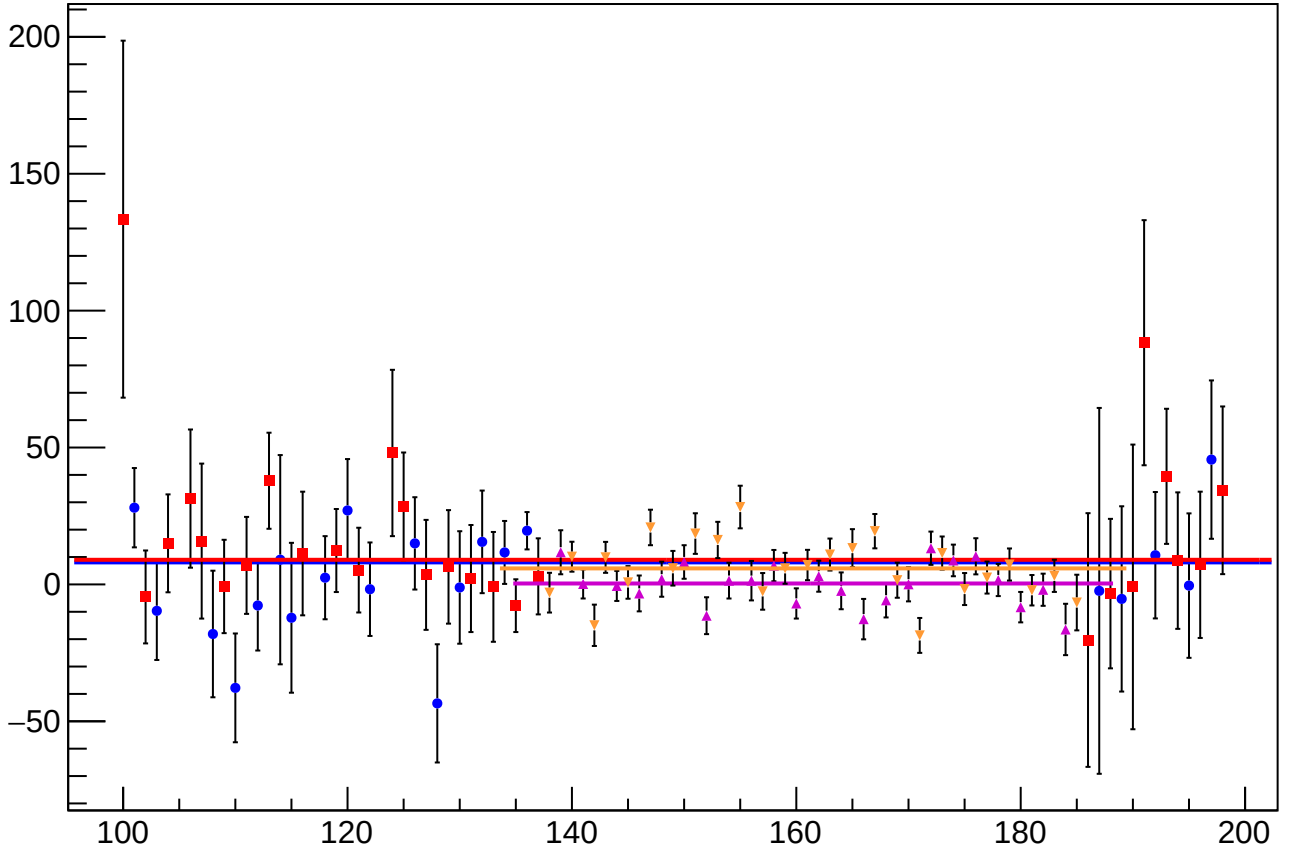
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4260.647+/-0.585 χ^2/NDF: 5272221.3/45

All: 4109.538+/-0.399 χ^2/NDF: 12596837.4/9

- sign 3977.538+/-0.547 χ^2/NDF: 7199493.9/49

diff_bpm16X_mean vs Slug



Right In: 8.043+/-3.673 χ^2/NDF: 23.6/20

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 8.991+/-3.837 χ^2/NDF: 20.7/26

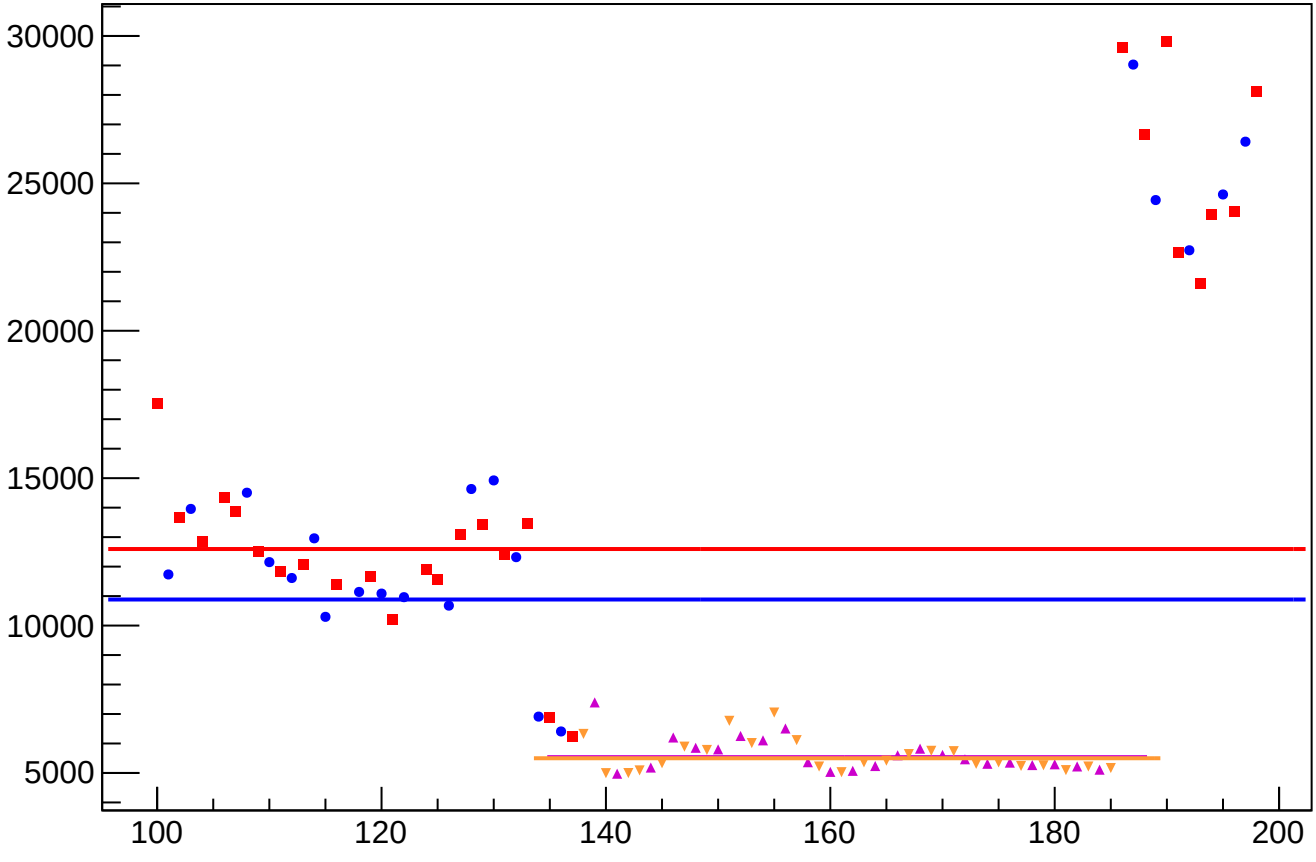
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.079+/-1.190 χ^2/NDF: 84.0/45

All: 3.739+/-0.856 χ^2/NDF: 146.6/95

- sign 1.229+/-1.232 χ^2/NDF: 54.6/49

diff_bpm16X_rms vs Slug



Right In: 10883.980+/-2.597 χ^2/NDF: 3498122.5/20

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 12596.611+/-2.714 χ^2/NDF: 3916352.9/26

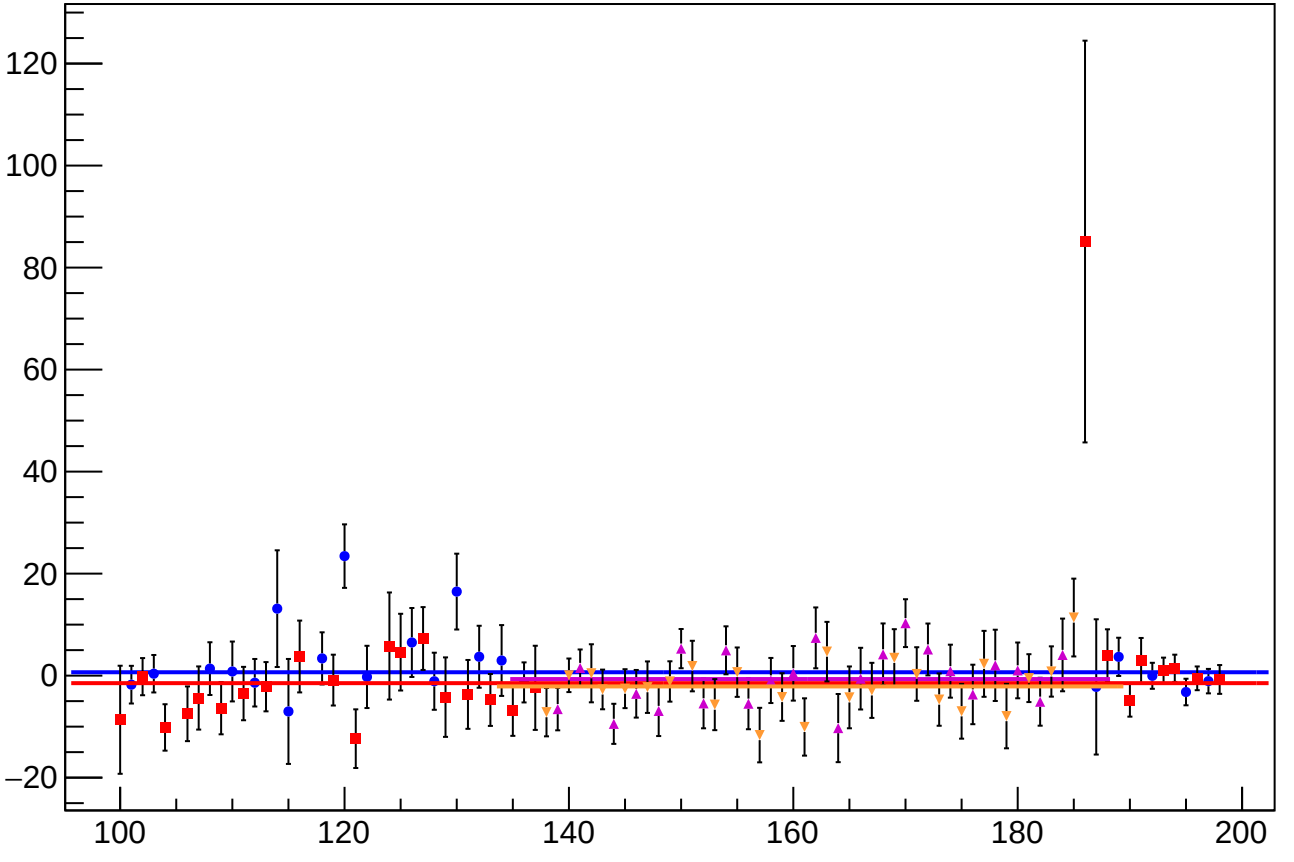
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6064.212+/-0.841 χ^2/NDF: 7644359.1/45

All: 6161.216+/-0.605 χ^2/NDF: 17962035.8/9

- sign 6265.245+/-0.871 χ^2/NDF: 10290116.8/49

diff_bpm16Y_mean vs Slug



Right In: 0.663+/-0.951 χ^2/NDF: 25.6/20

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -1.475+/-0.854 χ^2/NDF: 26.3/26

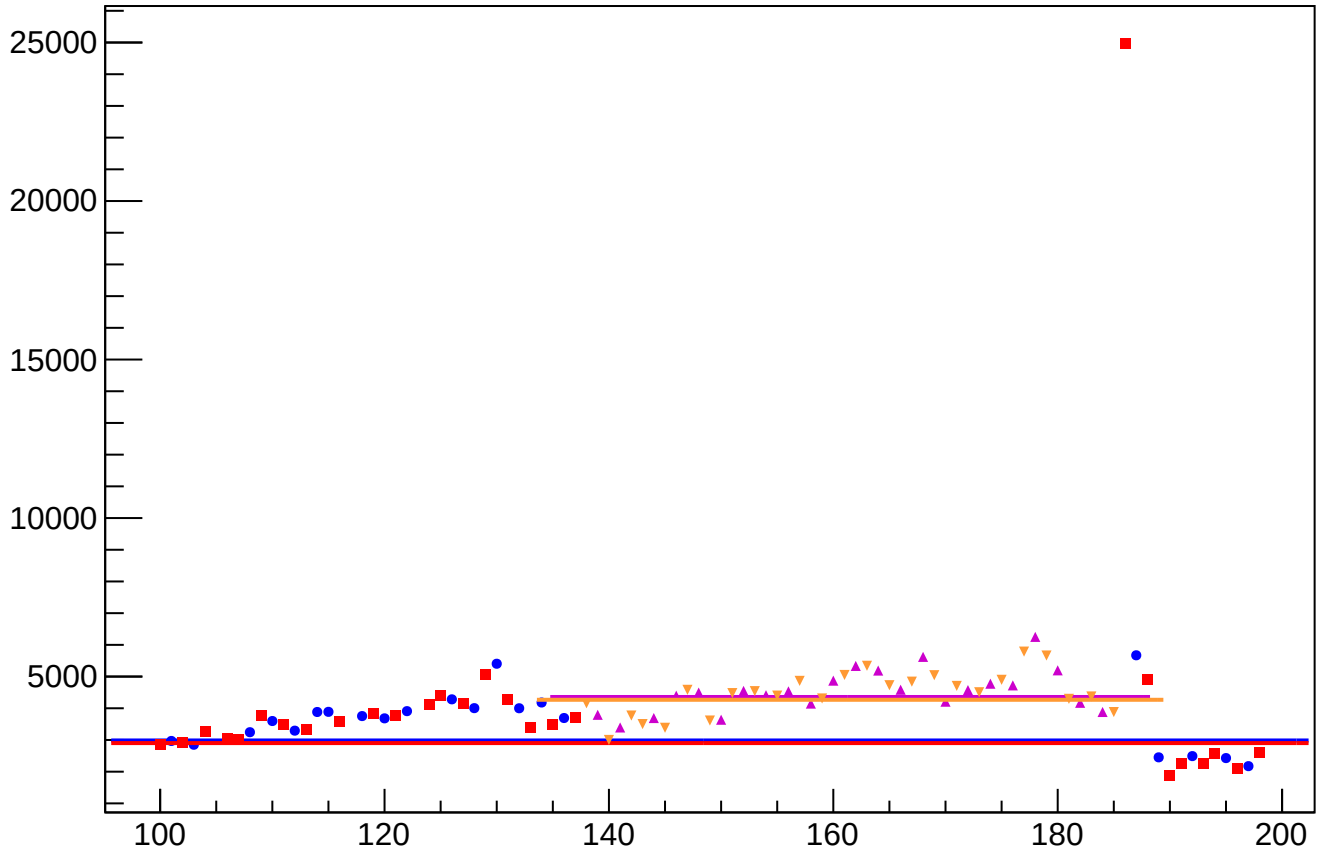
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.675+/-0.685 χ^2/NDF: 47.2/45

All: -0.921+/-0.474 χ^2/NDF: 102.4/95

- sign -1.148+/-0.657 χ^2/NDF: 55.0/49

diff_bpm16Y_rms vs Slug



Right In: 2984.378+/-0.673 χ^2/NDF: 1231897.8/20

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2901.839+/-0.604 χ^2/NDF: 2357181.0/26

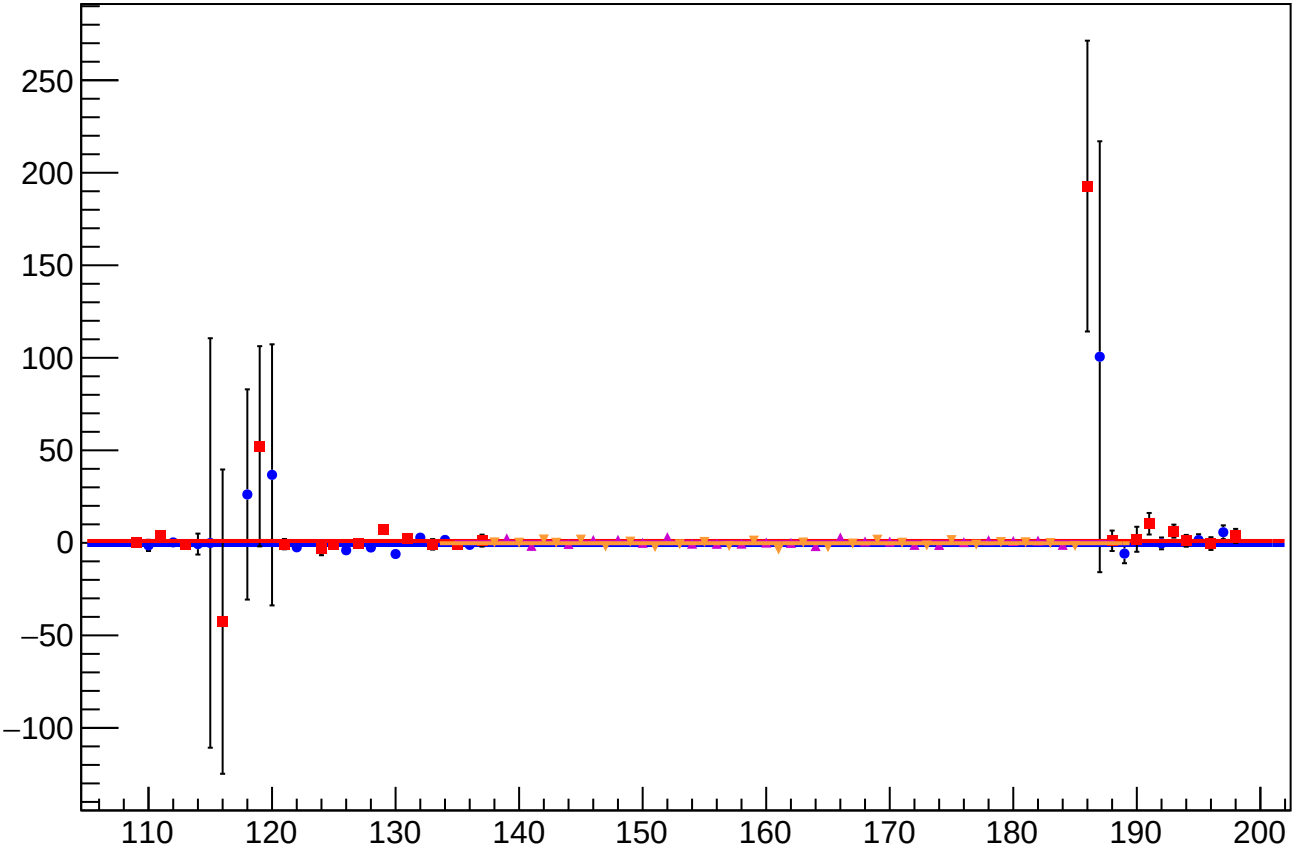
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3602.241+/-0.484 χ^2/NDF: 4018618.8/45

All: 3545.533+/-0.335 χ^2/NDF: 9505538.5/95

- sign 3493.299+/-0.465 χ^2/NDF: 5460592.3/49

diff_bpm1p02bX_mean vs Slug



Right In: -1.165+/-0.678 χ^2/NDF: 17.1/17

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 1.018+/-0.651 χ^2/NDF: 24.5/21

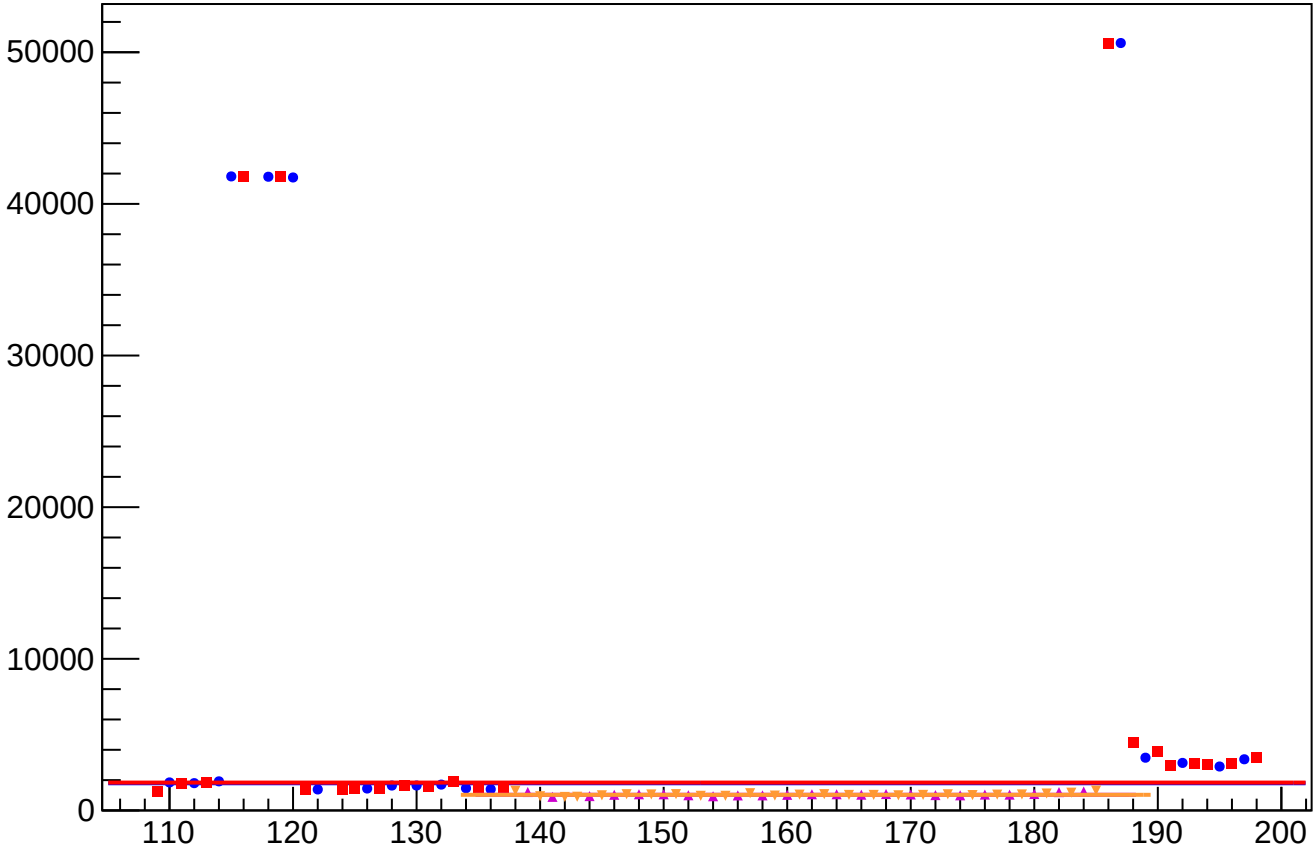
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

\+ sign -0.305+/-0.222 χ^2/NDF: 52.9/42

All: 0.049+/-0.159 χ^2/NDF: 113.0/87

\- sign 0.417+/-0.227 χ^2/NDF: 55.0/44

diff_bpm1p02bX_rms vs Slug



Right In: 1792.699+/-0.480 χ^2/NDF: 3739836.2/17

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1838.344+/-0.460 χ^2/NDF: 4785392.7/21

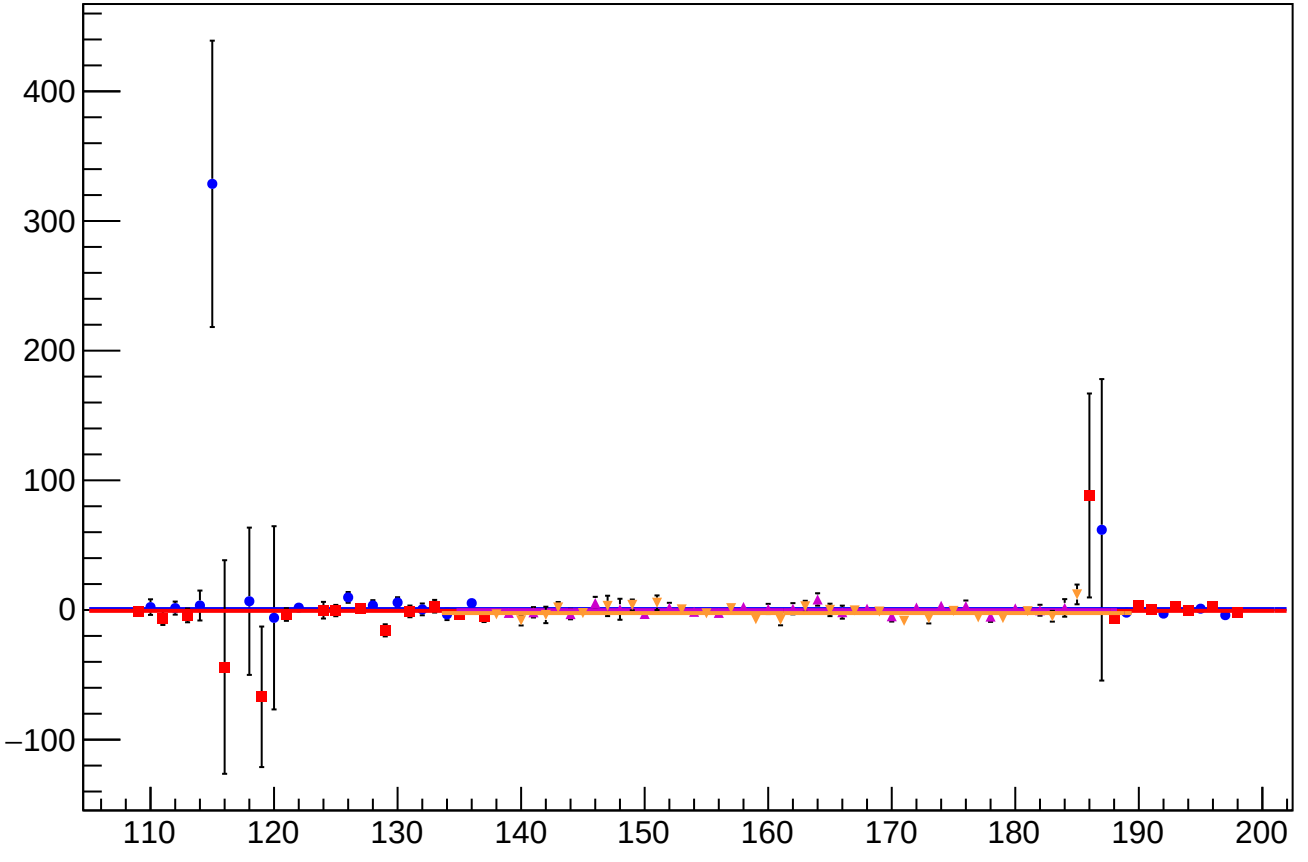
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1113.330+/-0.157 χ^2/NDF: 6230995.5/42

All: 1121.856+/-0.112 χ^2/NDF: 13902589.3/8

- sign 1130.729+/-0.160 χ^2/NDF: 7665600.2/44

diff_bpm1p02bY_mean vs Slug



Right In: 0.702+/-0.846 χ^2/NDF: 29.6/17

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -0.667+/-0.766 χ^2/NDF: 26.9/21

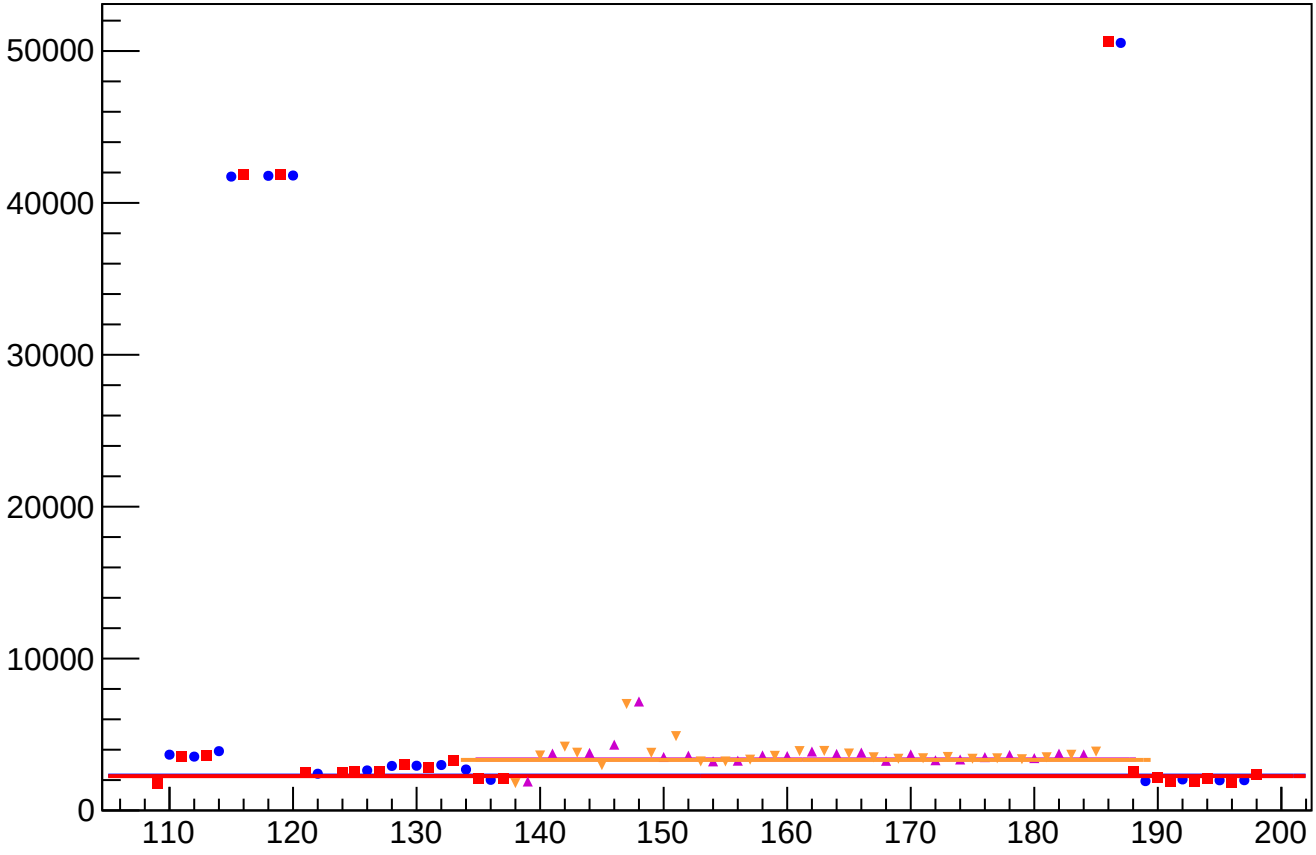
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.959+/-0.574 χ^2/NDF: 61.0/42

All: -0.688+/-0.400 χ^2/NDF: 101.2/87

- sign -0.433+/-0.556 χ^2/NDF: 39.8/44

diff_bpm1p02bY_rms vs Slug



Right In: 2294.942+/-0.598 χ^2/NDF: 2806223.3/17

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2259.079+/-0.542 χ^2/NDF: 2980788.9/21

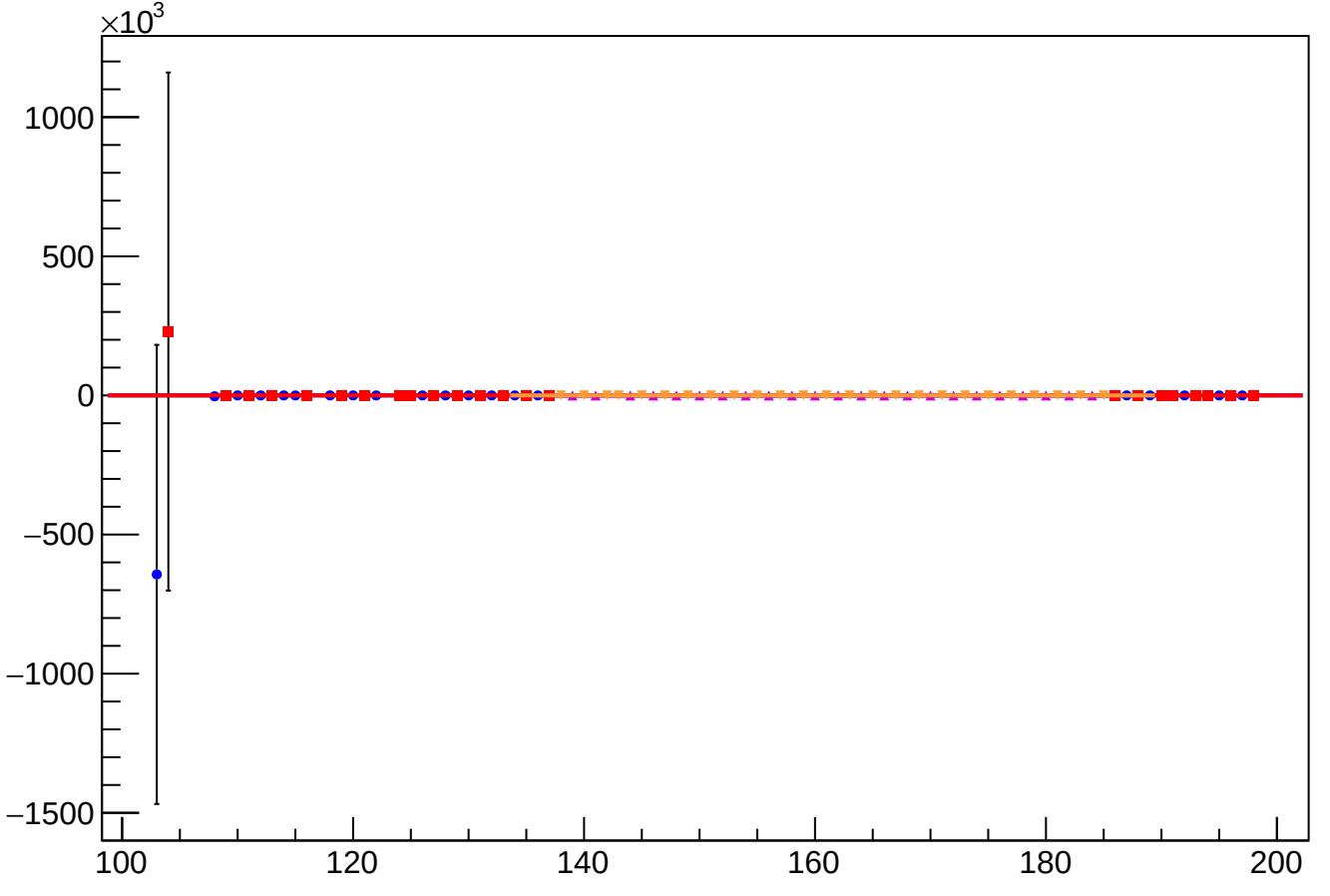
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2851.920+/-0.406 χ^2/NDF: 6331156.5/42

All: 2814.590+/-0.283 χ^2/NDF: 12931731.0/8

- sign 2779.531+/-0.393 χ^2/NDF: 6584182.2/44

diff_bpm1p03aX_mean vs Slug



Right In: -1.254+/-0.817 χ^2/NDF: 21.2/19

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.096+/-0.762 χ^2/NDF: 22.8/22

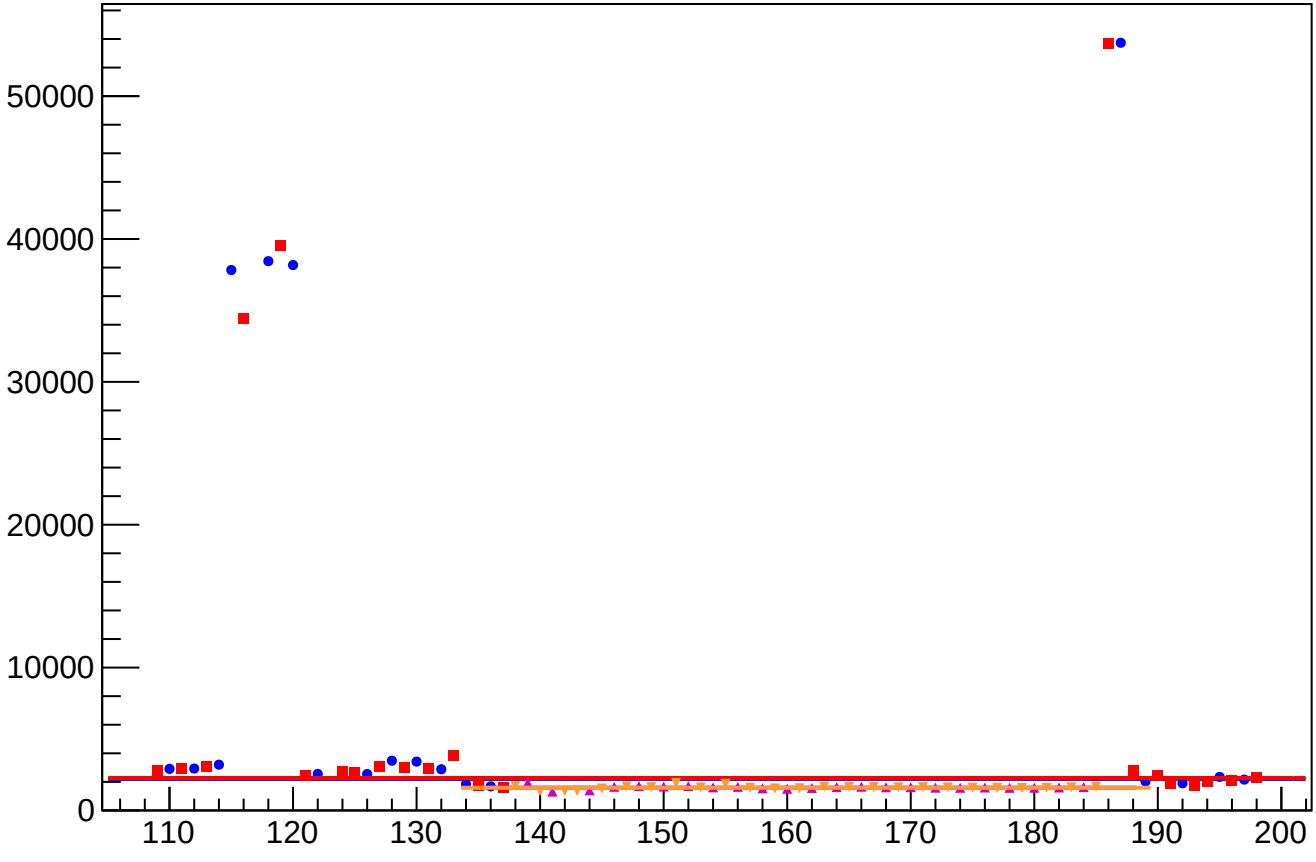
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.520+/-0.332 χ^2/NDF: 71.6/44

All: -0.964+/-0.236 χ^2/NDF: 133.6/90

- sign -0.393+/-0.336 χ^2/NDF: 56.3/45

diff_bpm1p03aX_rms vs Slug



Right In: 2210.929+/-0.578 χ^2/NDF: 2892703.7/17

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2272.096+/-0.539 χ^2/NDF: 3150092.3/21

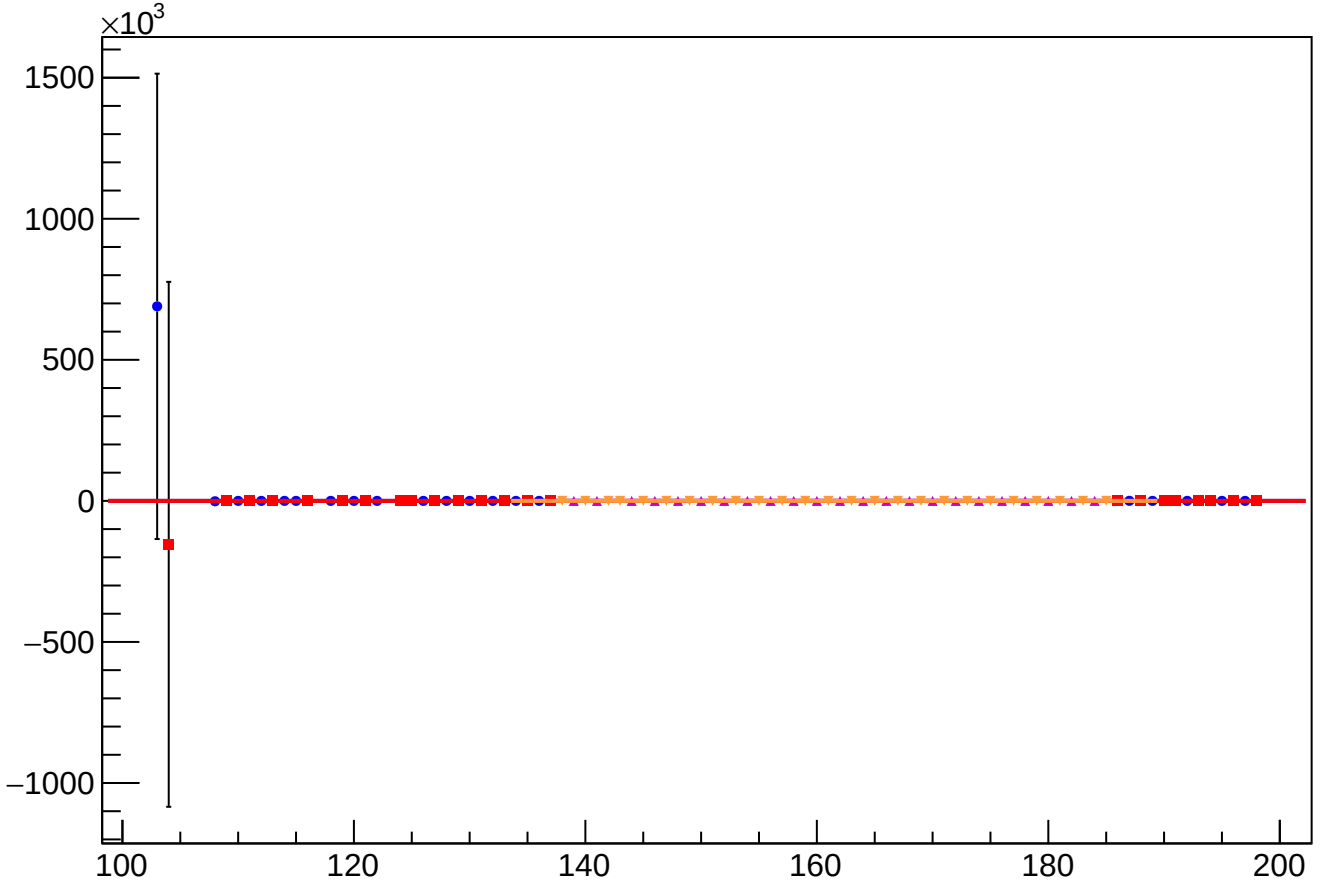
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1691.925+/-0.235 χ^2/NDF: 4091947.0/42

All: 1709.491+/-0.167 χ^2/NDF: 8716677.0/87

- sign 1727.532+/-0.238 χ^2/NDF: 4613356.6/44

diff_bpm1p03aY_mean vs Slug



Right In: 0.337+/-0.699 χ^2/NDF: 13.3/19

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.069+/-0.631 χ^2/NDF: 26.1/22

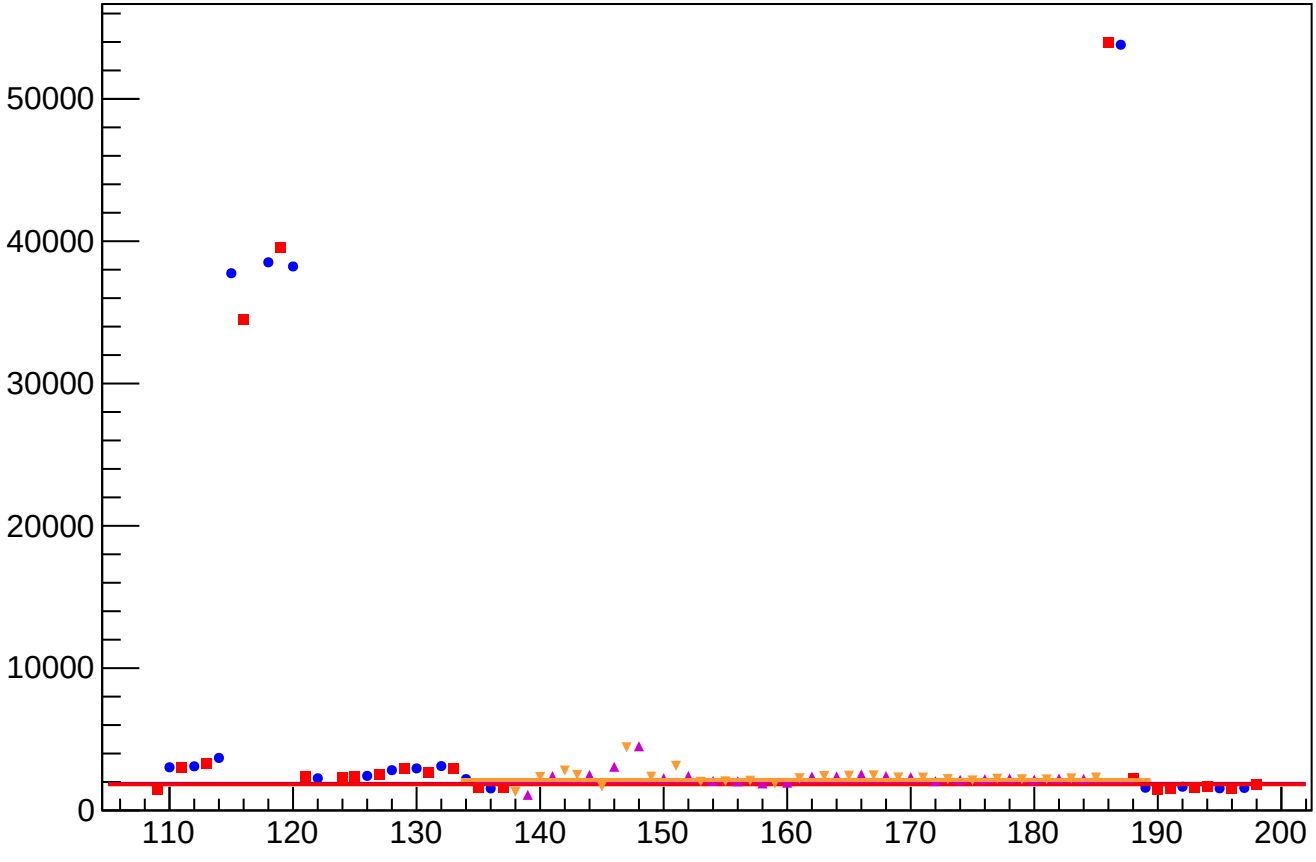
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

\+ sign -0.663+/-0.408 χ^2/NDF: 40.8/44

All: -0.293+/-0.283 χ^2/NDF: 85.3/90

\- sign 0.050+/-0.393 χ^2/NDF: 43.0/45

diff_bpm1p03aY_rms vs Slug



Right In: 1866.648+/-0.494 χ^2/NDF: 3270075.6/17

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1839.988+/-0.446 χ^2/NDF: 3406346.1/21

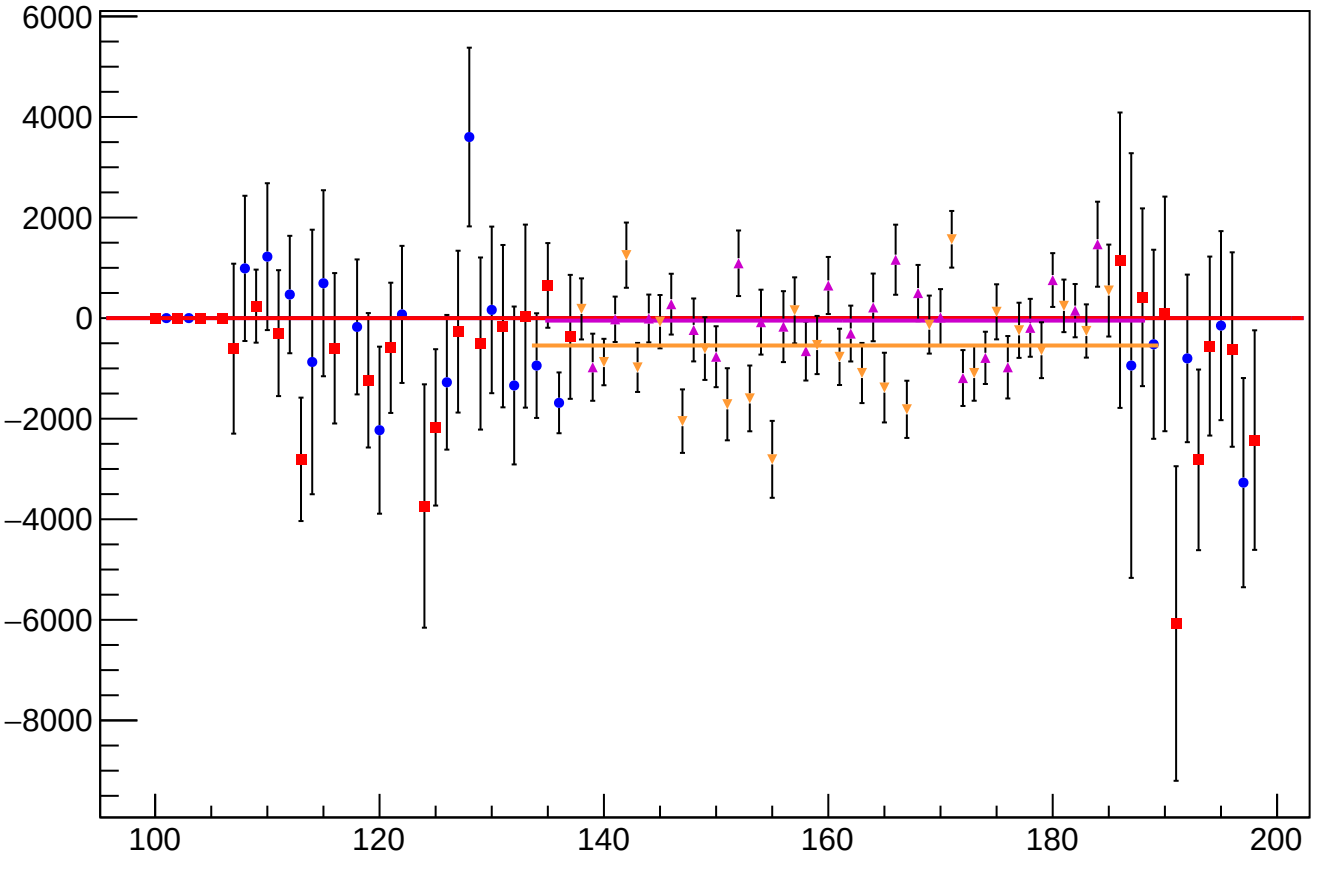
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2046.370+/-0.288 χ^2/NDF: 4950640.2/42

All: 2008.694+/-0.200 χ^2/NDF: 10830040.3/8

- sign 1973.819+/-0.278 χ^2/NDF: 5846557.4/44

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 20.6/20

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

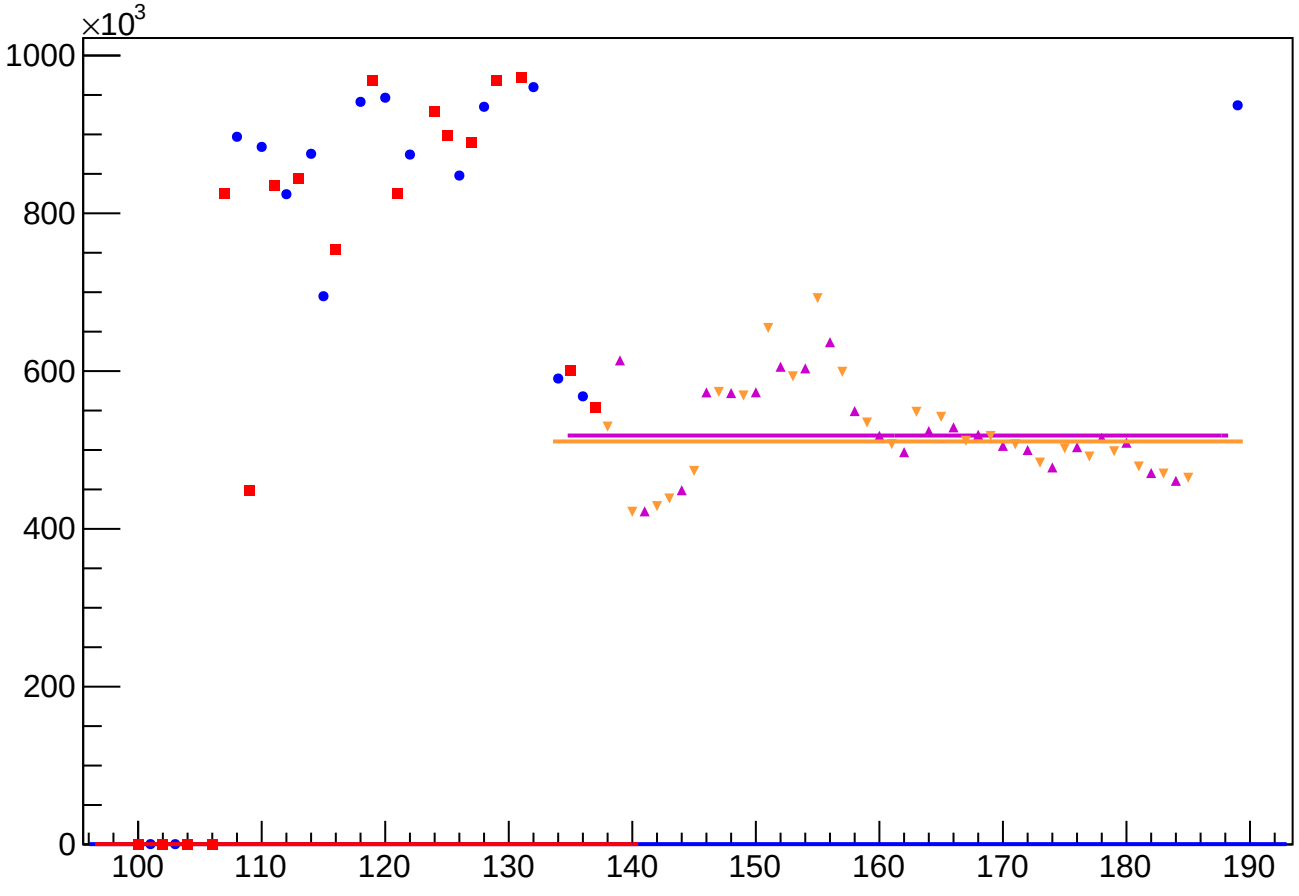
Right Out: 0.096+/-0.328 χ^2/NDF: 23.3/26

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

\+ sign 0.250+/-0.356 χ^2/NDF: 103.1/45

All: 0.166+/-0.241 χ^2/NDF: 154.6/95

\- sign 0.095+/-0.328 χ^2/NDF: 51.4/49



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

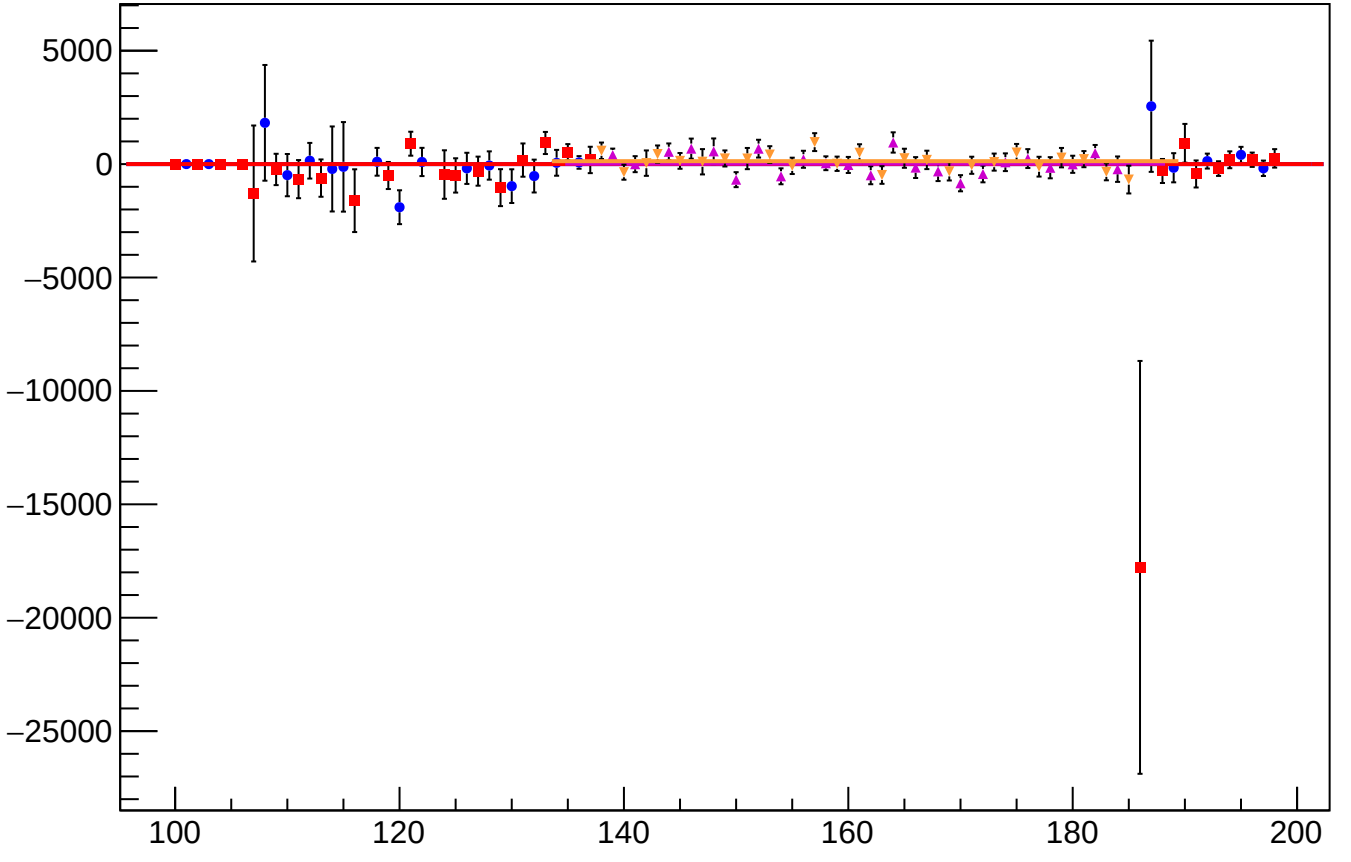
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.021+/-0.170 χ^2/NDF: 91289762.7/81

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 13.1/20

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

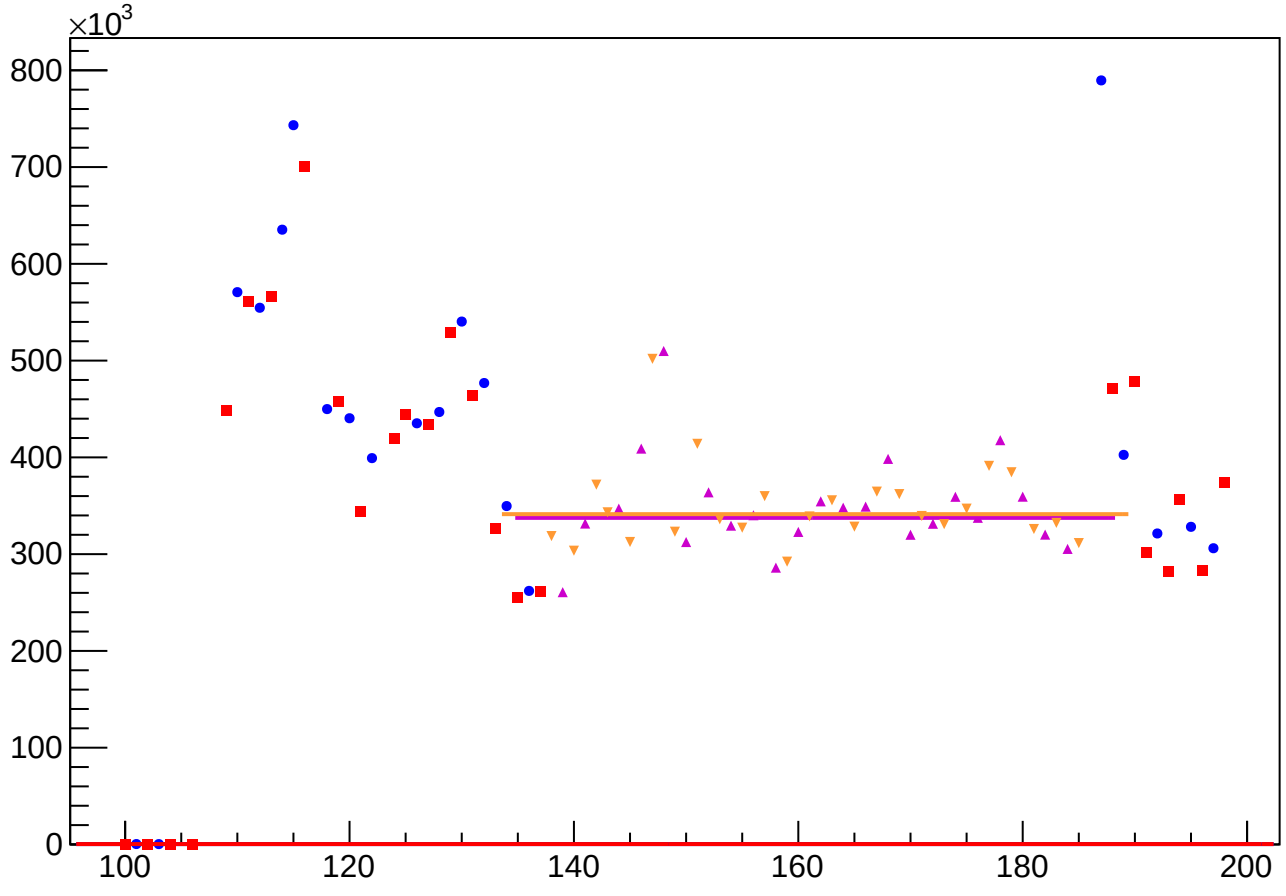
Right Out: 0.599+/-0.324 χ^2/NDF: 22.2/26

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

\+ sign -0.018+/-0.347 χ^2/NDF: 35.9/45

All: 0.312+/-0.237 χ^2/NDF: 93.6/95

\- sign 0.599+/-0.324 χ^2/NDF: 56.0/49



Right In: 391.384+/-0.245 χ^2/NDF: 17168001.9/19

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 389.399+/-0.229 χ^2/NDF: 20383238.5/24

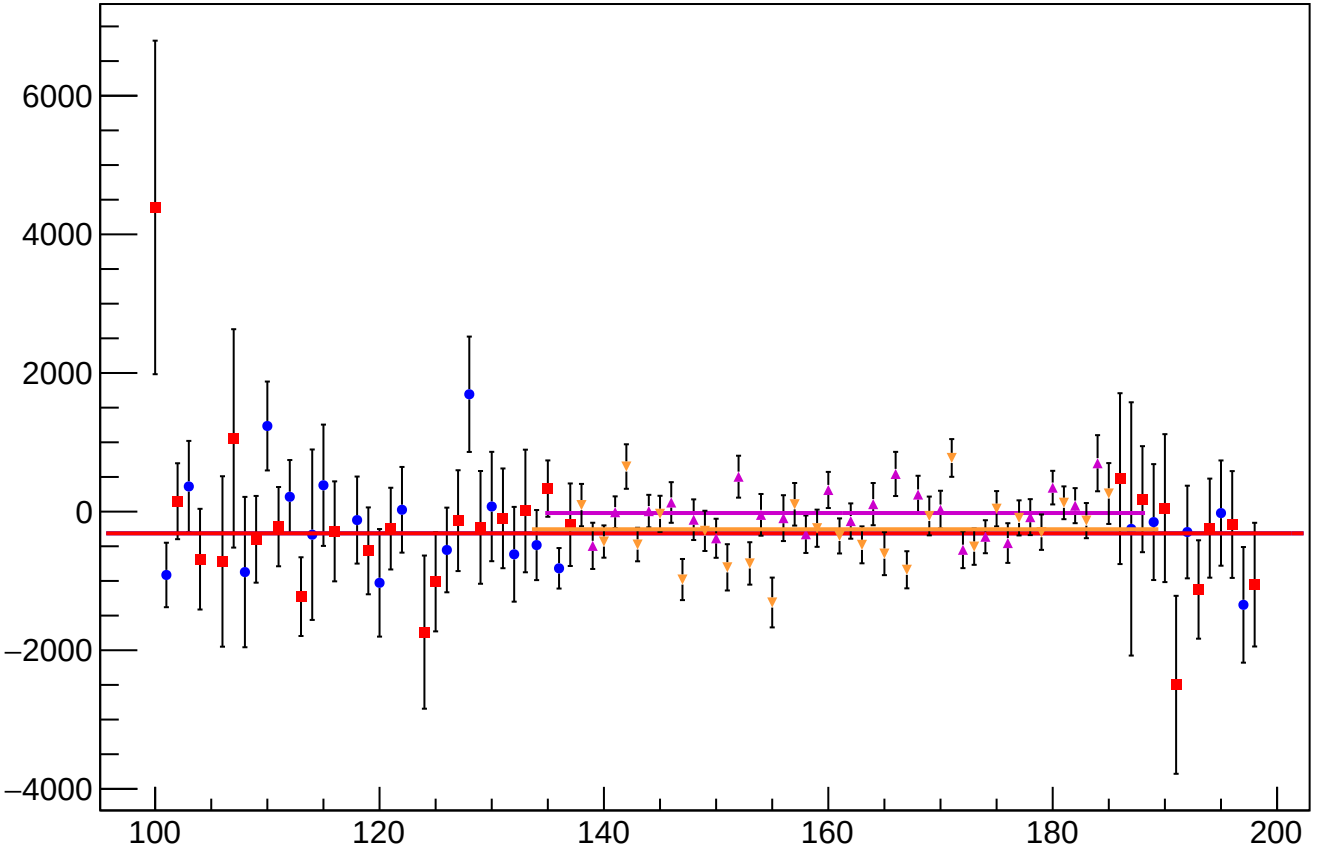
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 398.093+/-0.245 χ^2/NDF: 55538665.5/44

All: 396.414+/-0.167 χ^2/NDF: 112240885.7/9

- sign 394.953+/-0.229 χ^2/NDF: 56702132.7/47

diff_cav4cX_mean vs Slug



Right In: -313.098+/-137.119 χ^2/NDF: 22.9/20

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: -313.476+/-139.317 χ^2/NDF: 19.8/26

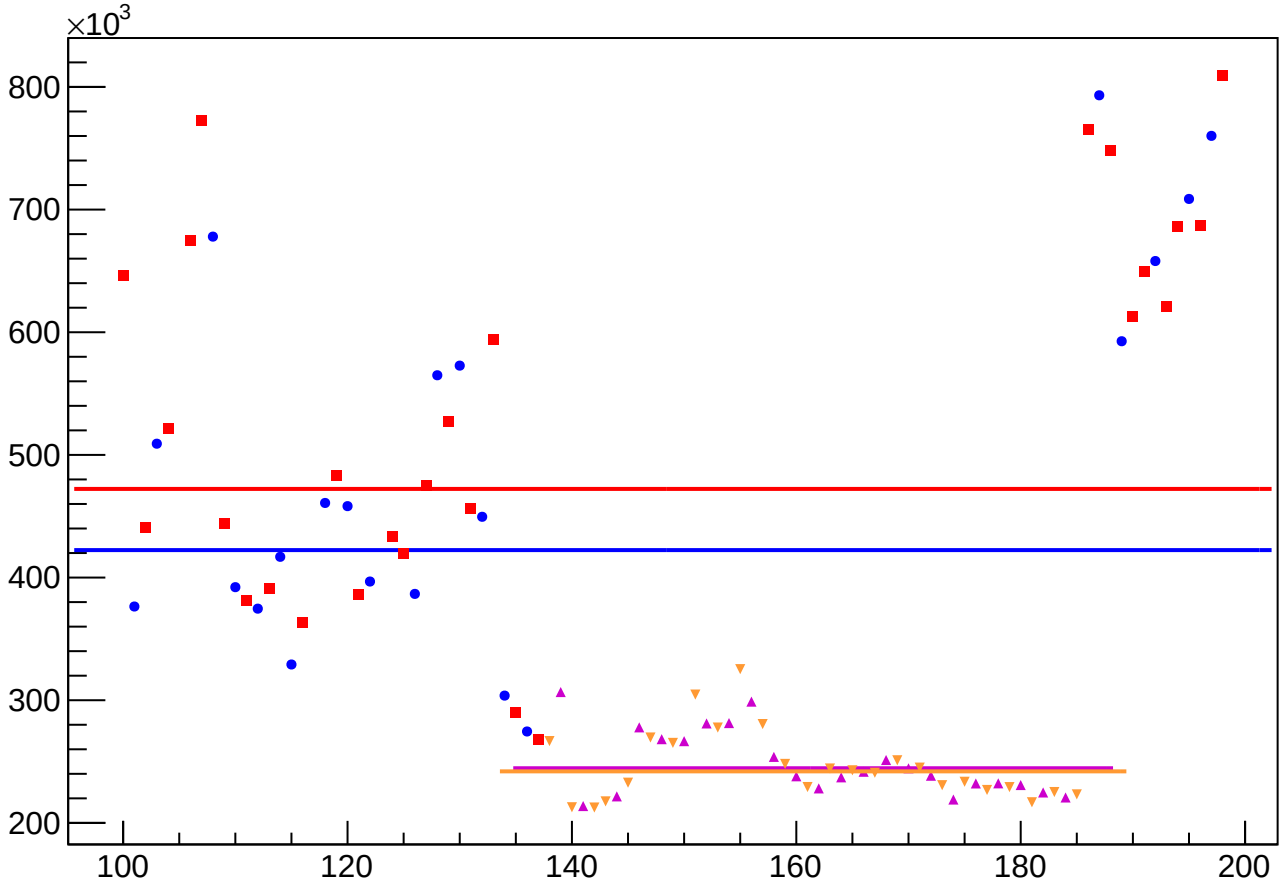
Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -262.617+/-51.380 χ^2/NDF: 84.3/45

All: -166.091+/-36.937 χ^2/NDF: 143.8/95

- sign -62.845+/-53.138 χ^2/NDF: 52.2/49

diff_cav4cX_rms vs Slug



Right In: 422393.790+/-96.981 χ^2/NDF: 2011036.4/20

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 472274.373+/-98.652 χ^2/NDF: 2167193.6/26

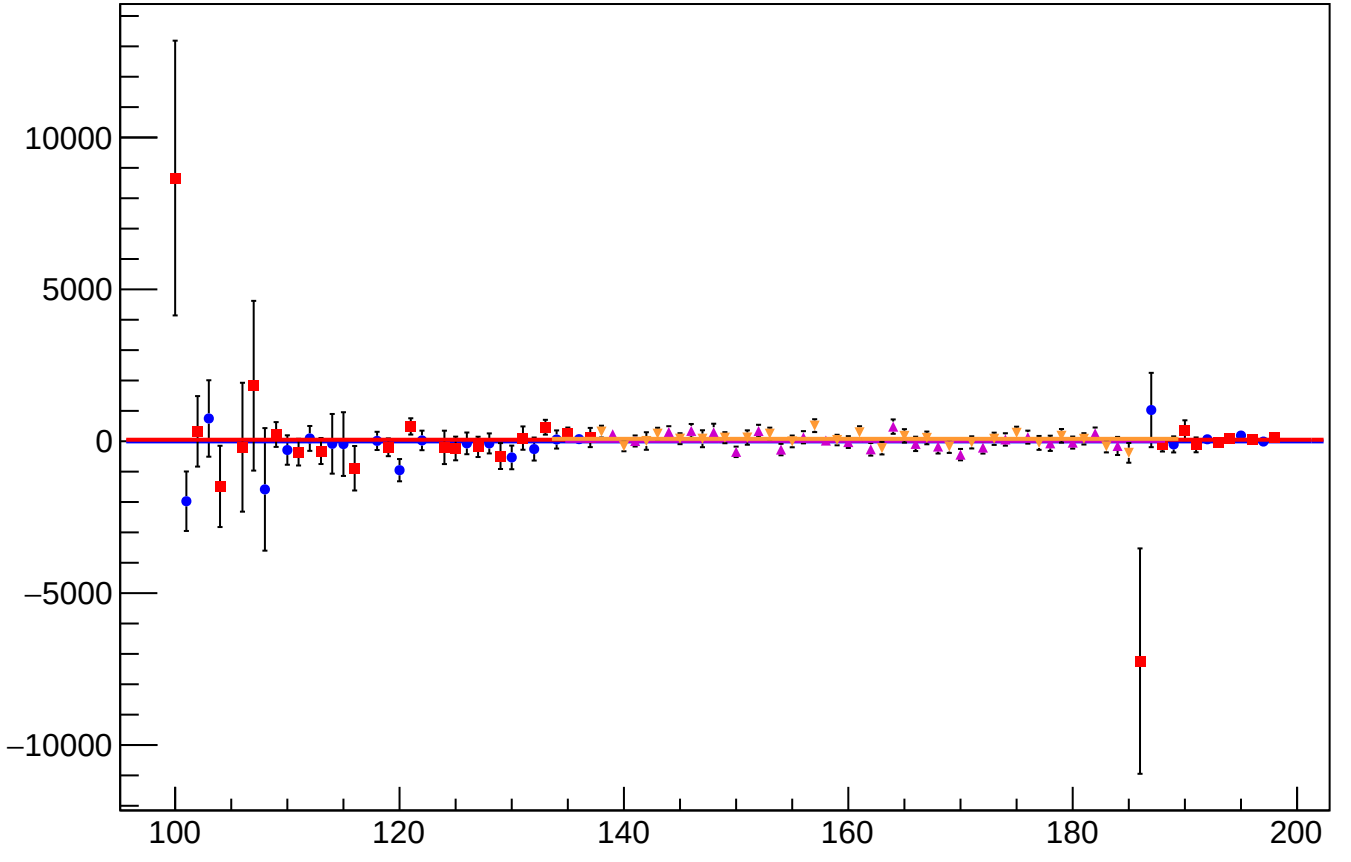
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 267325.835+/-36.332 χ^2/NDF: 5398339.3/45

All: 272285.933+/-26.121 χ^2/NDF: 1252117

- sign 277593.155+/-37.582 χ^2/NDF: 7084257.7/49

diff_cav4cY_mean vs Slug



Right In: -4.573+/-57.577 χ^2/NDF: 17.6/20

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 50.255+/-51.439 χ^2/NDF: 25.9/26

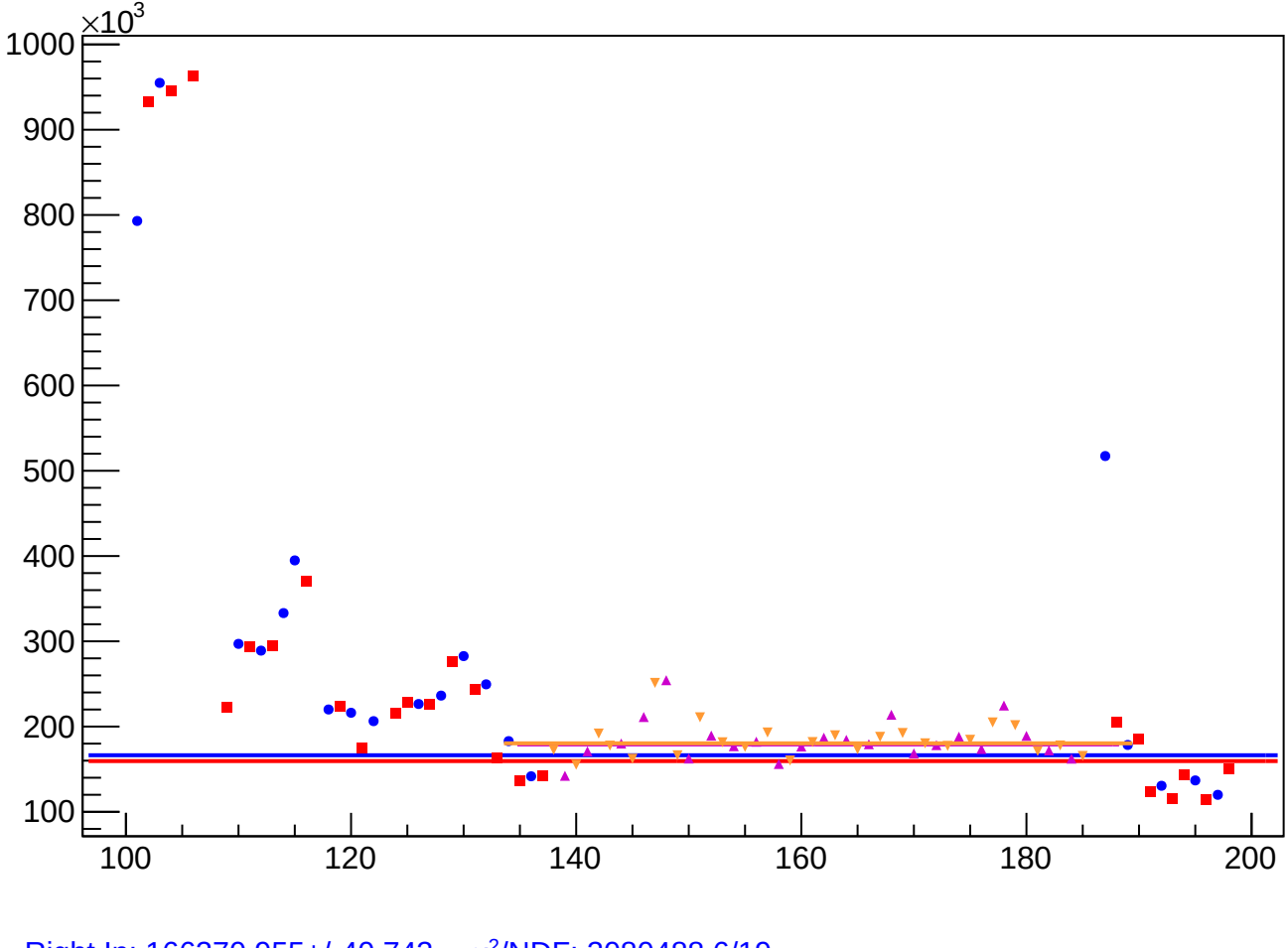
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

\+ sign 50.934+/-33.560 χ^2/NDF: 38.7/45

All: 39.466+/-23.399 χ^2/NDF: 98.3/95

\- sign 28.617+/-32.641 χ^2/NDF: 59.3/49

diff_cav4cY_rms vs Slug



Right In: 166370.955+/-40.743 χ^2/NDF: 3080488.6/19

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159538.947+/-36.408 χ^2/NDF: 3223162.8/23

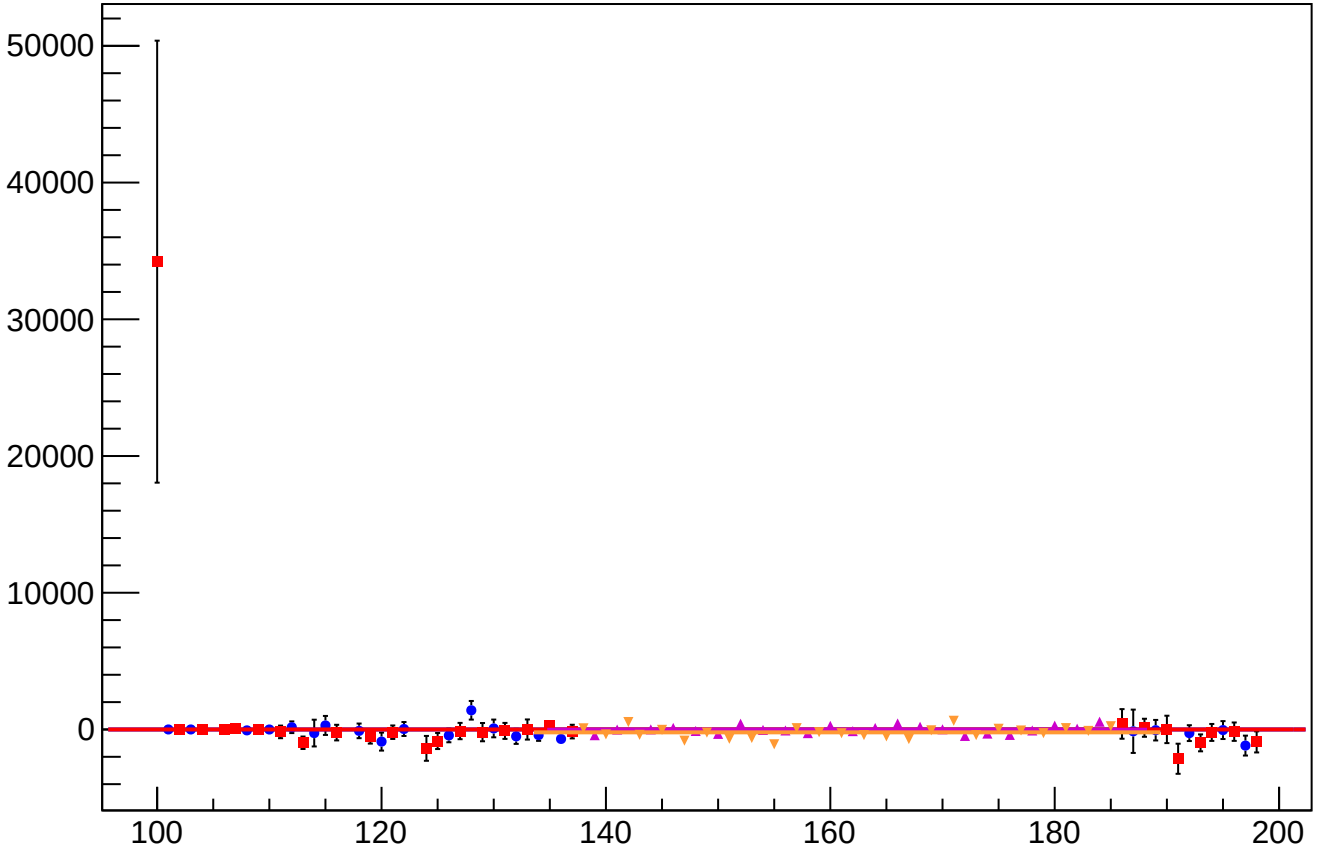
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 175600.775+/-23.736 χ^2/NDF: 3504771.3/44

All: 173333.006+/-16.551 χ^2/NDF: 7418330.9

- sign 171187.114+/-23.090 χ^2/NDF: 3895794.2/46

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 21.0/20

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

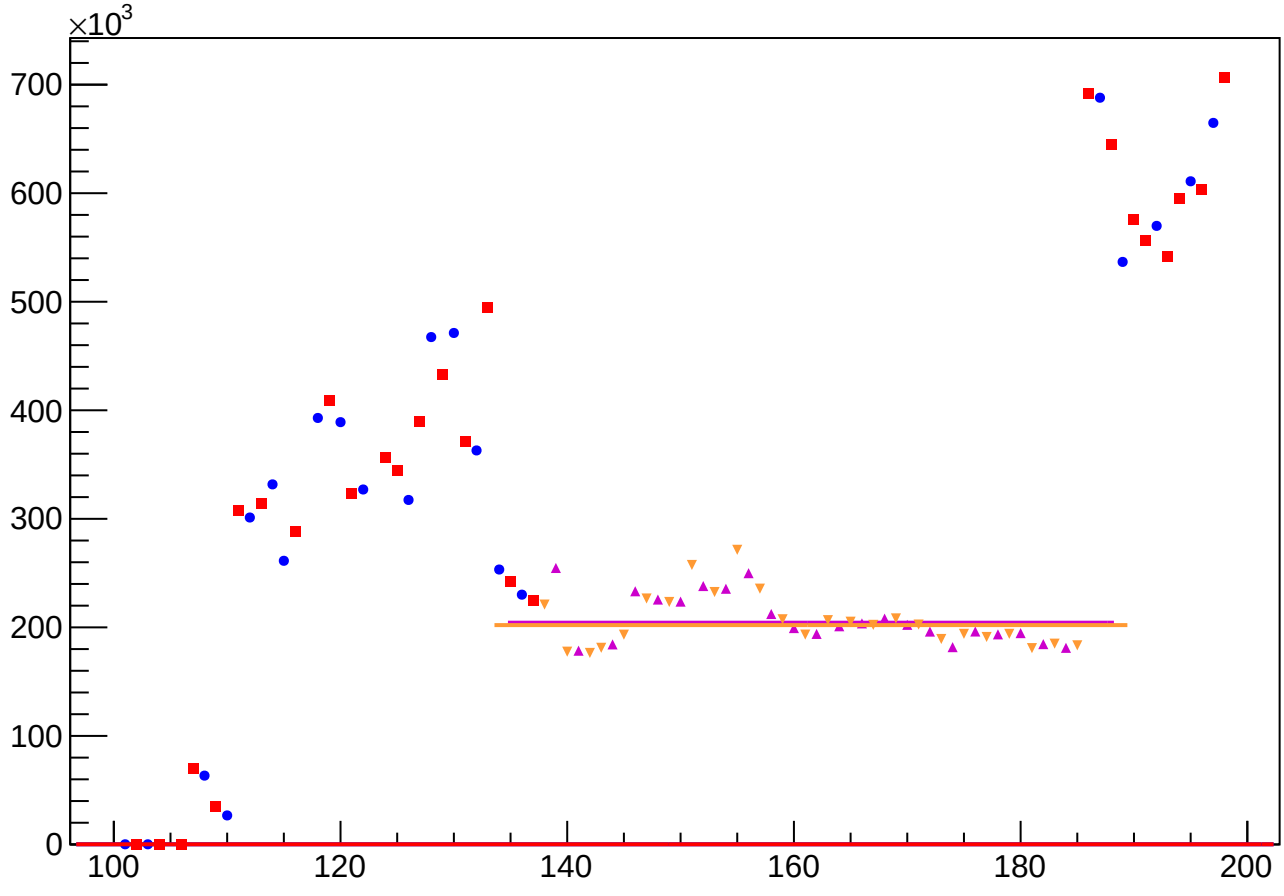
Right Out: -0.355+/-0.160 χ^2/NDF: 24.5/26

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 102.8/45

All: -0.208+/-0.117 χ^2/NDF: 157.9/95

- sign -0.355+/-0.160 χ^2/NDF: 53.3/49



Right In: 149.259+/-0.122 χ^2/NDF: 18046705.2/20

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.599+/-0.113 χ^2/NDF: 21849920.4/25

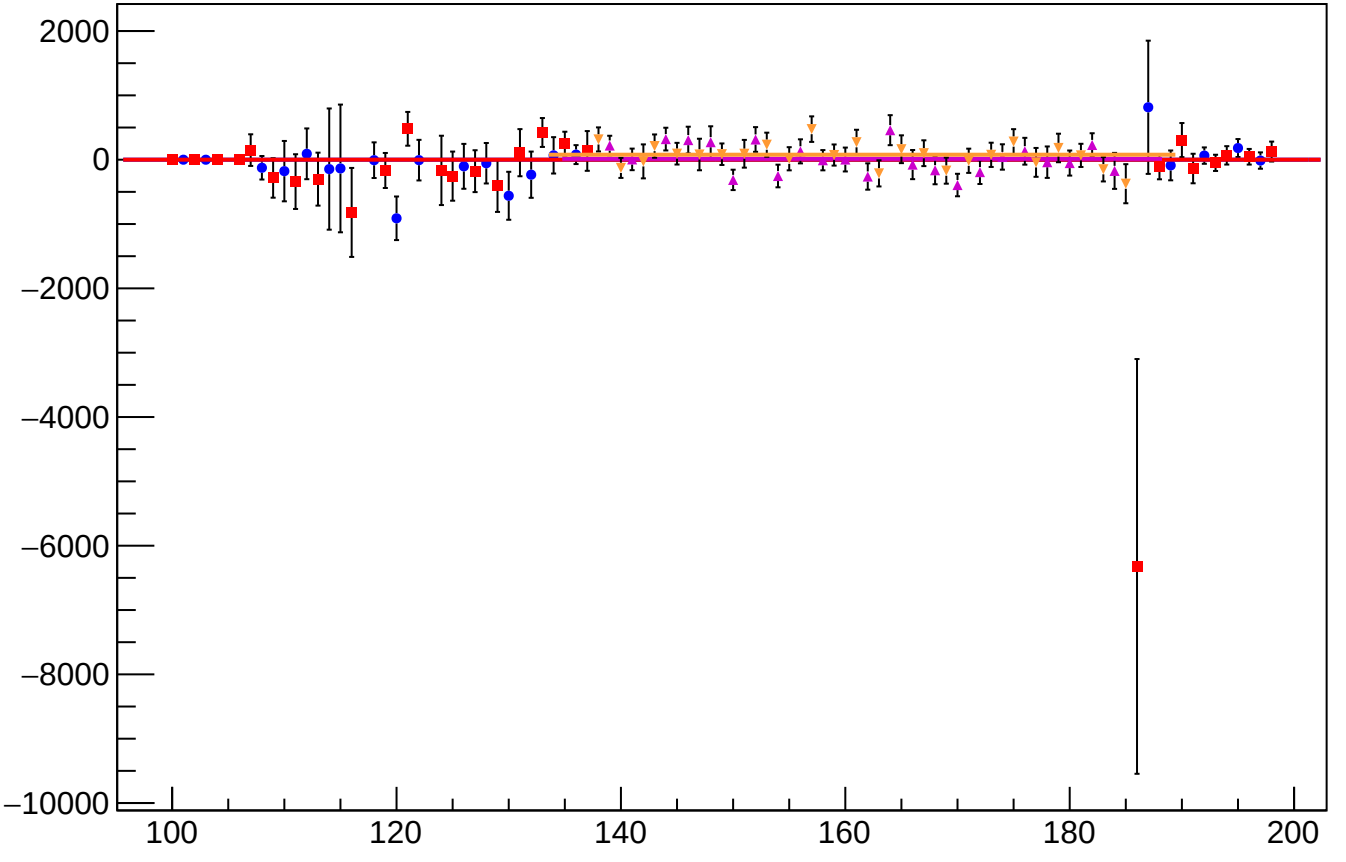
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.055+/-0.122 χ^2/NDF: 56542516.1/45

All: 151.954+/-0.083 χ^2/NDF: 114895141.4/9

- sign 151.868+/-0.113 χ^2/NDF: 58352624.0/48

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 13.9/20

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.126+/-0.166 χ^2/NDF: 22.3/26

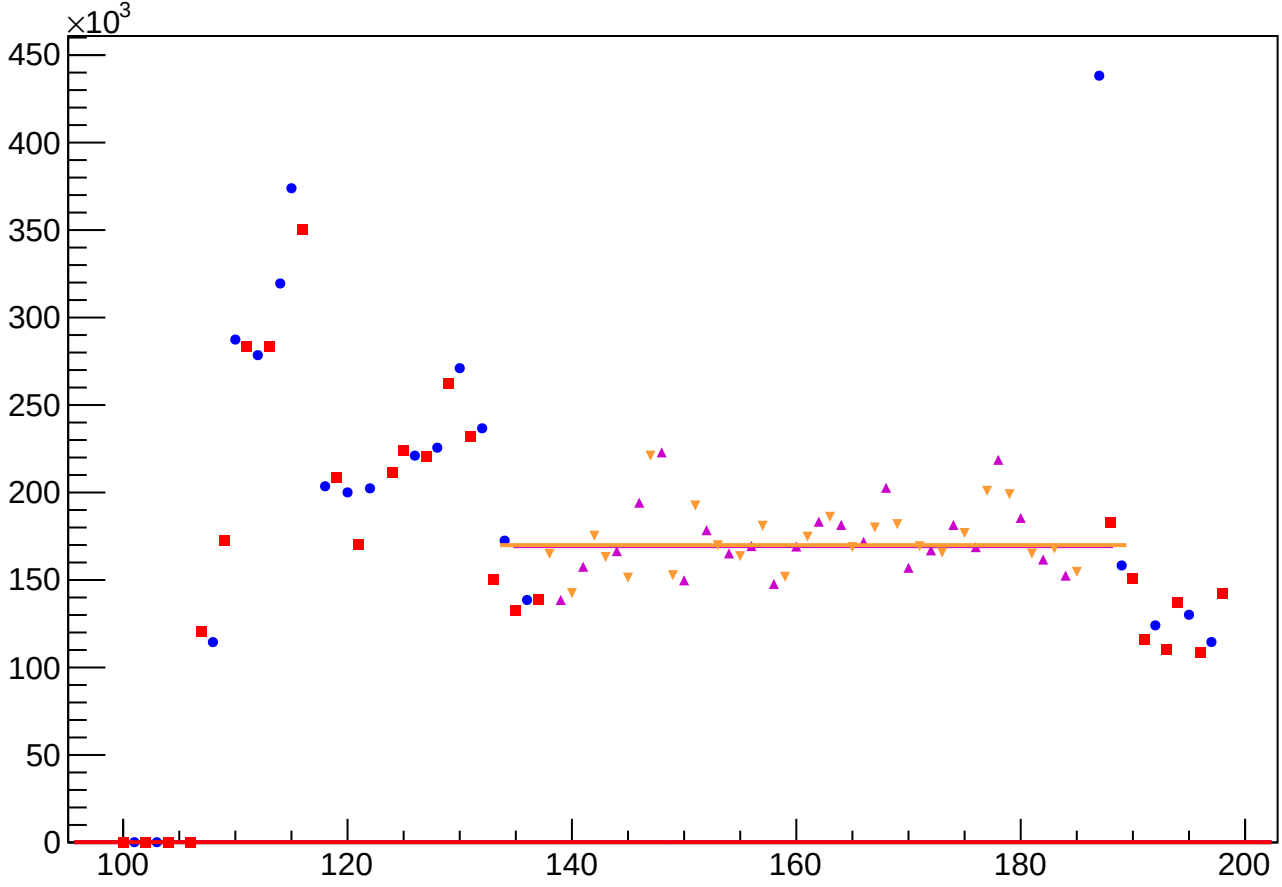
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.066+/-0.177 χ^2/NDF: 37.0/45

All: 0.036+/-0.121 χ^2/NDF: 92.7/95

\- sign 0.126+/-0.166 χ^2/NDF: 55.0/49

diff_cav4dY_rms vs Slug



Right In: 154.237+/-0.125 χ^2/NDF: 18441752.8/20

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

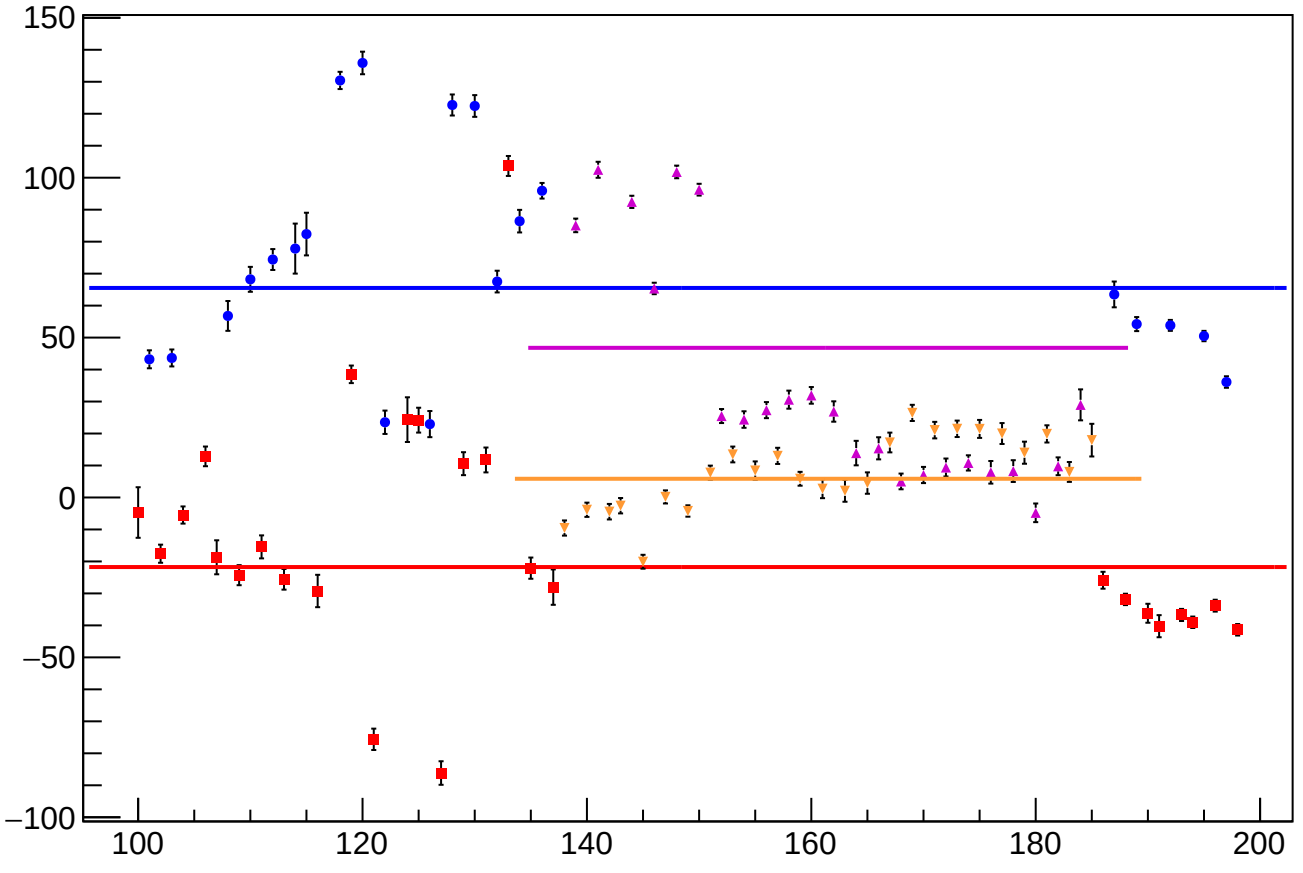
Right Out: 157.156+/-0.118 χ^2/NDF: 20869831.7/25

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 157.757+/-0.125 χ^2/NDF: 56853533.2/45

All: 159.000+/-0.086 χ^2/NDF: 114108140.4/9

- sign 160.097+/-0.118 χ^2/NDF: 57254422.1/48



Right In: 65.525+/-0.611 χ^2/NDF: 2569.4/20

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -21.755+/-0.548 χ^2/NDF: 3583.1/26

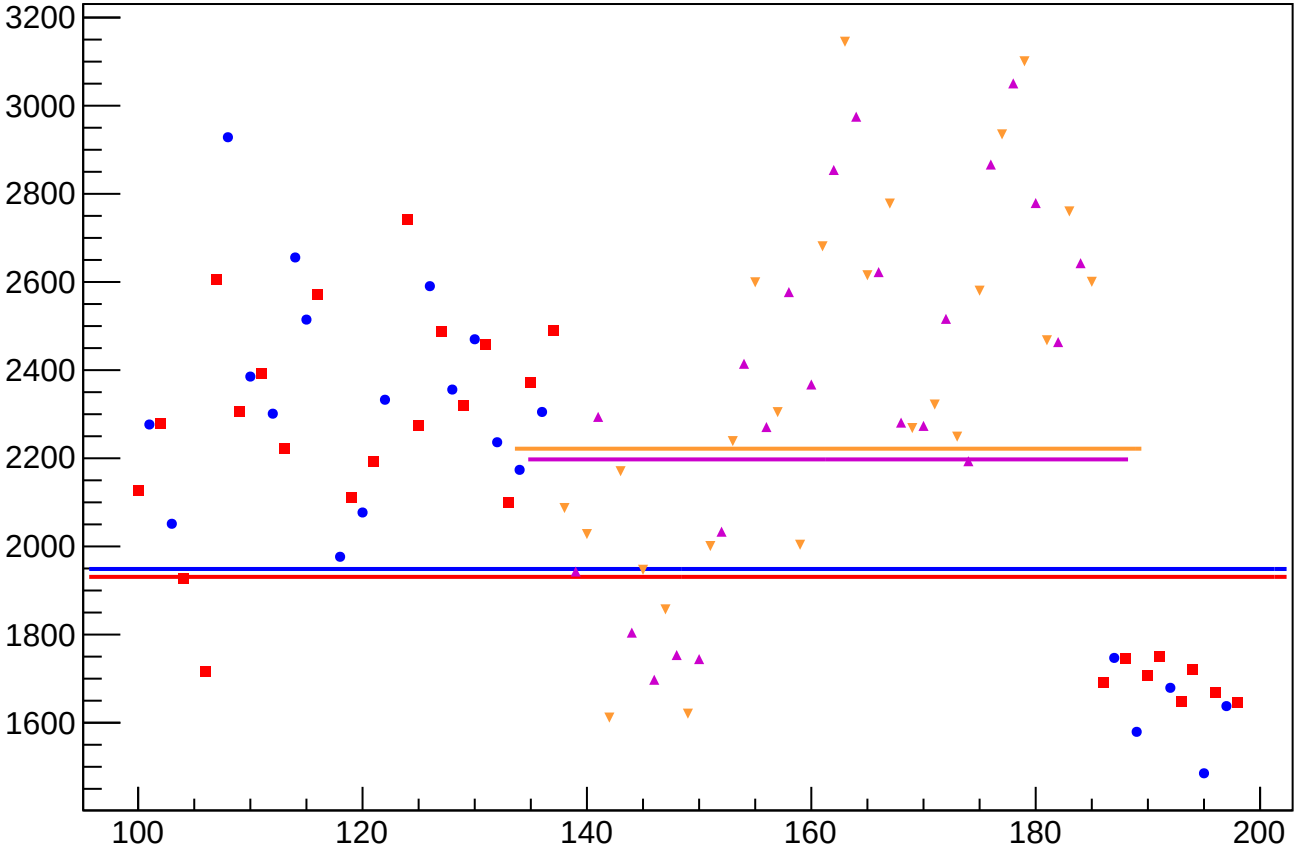
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 30.585+/-0.393 χ^2/NDF: 8691.4/45

All: 21.981+/-0.273 χ^2/NDF: 26544.9/95

- sign 14.001+/-0.379 χ^2/NDF: 16931.0/49

diff_bpm0i01X_rms vs Slug



Right In: 1948.865+/-0.432 χ^2/NDF: 749220.2/20

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1930.917+/-0.387 χ^2/NDF: 632590.4/26

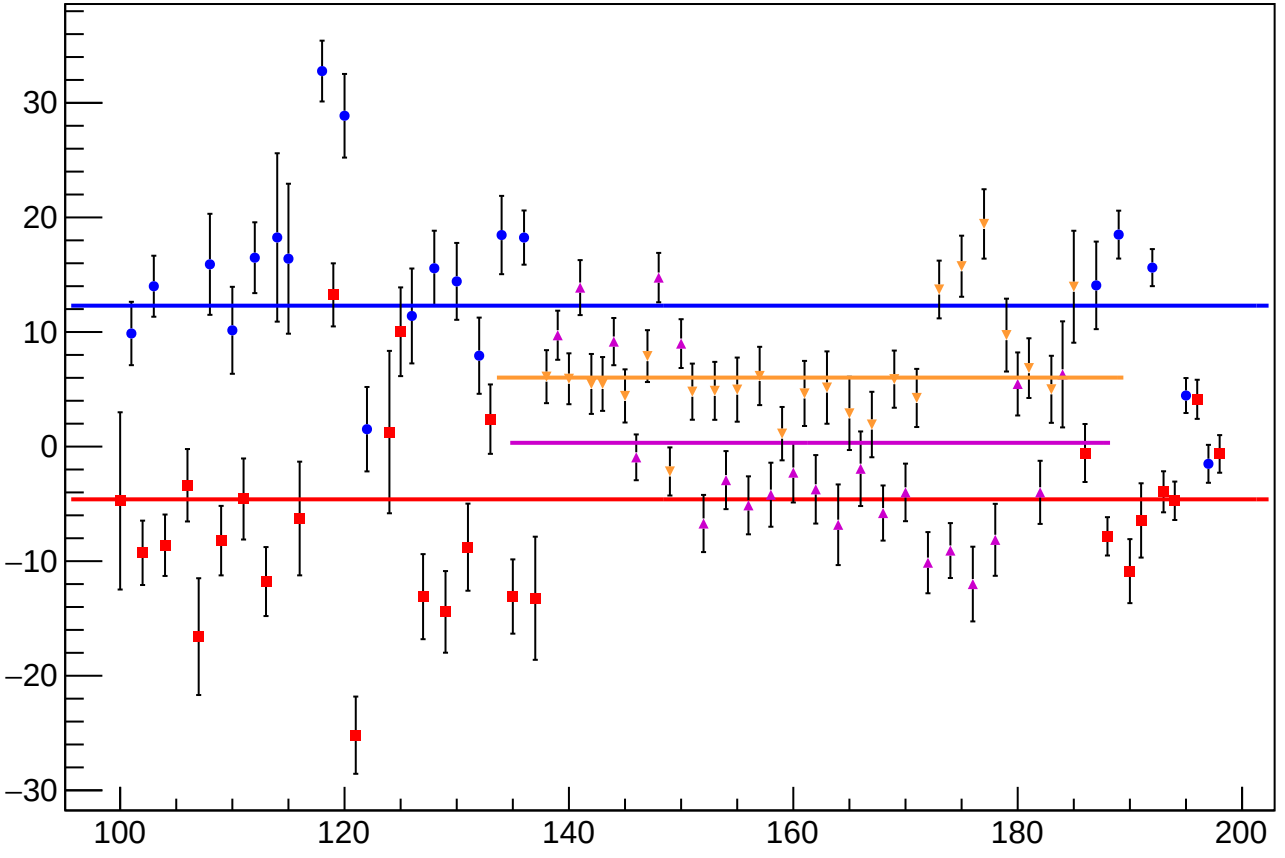
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2108.658+/-0.278 χ^2/NDF: 2166964.1/45

All: 2088.577+/-0.193 χ^2/NDF: 4161404.6/95

- sign 2069.950+/-0.268 χ^2/NDF: 1984390.3/49

diff_bpm0i01Y_mean vs Slug



Right In: 12.300+/-0.587 χ^2/NDF: 215.7/20

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -4.604+/-0.524 χ^2/NDF: 184.7/26

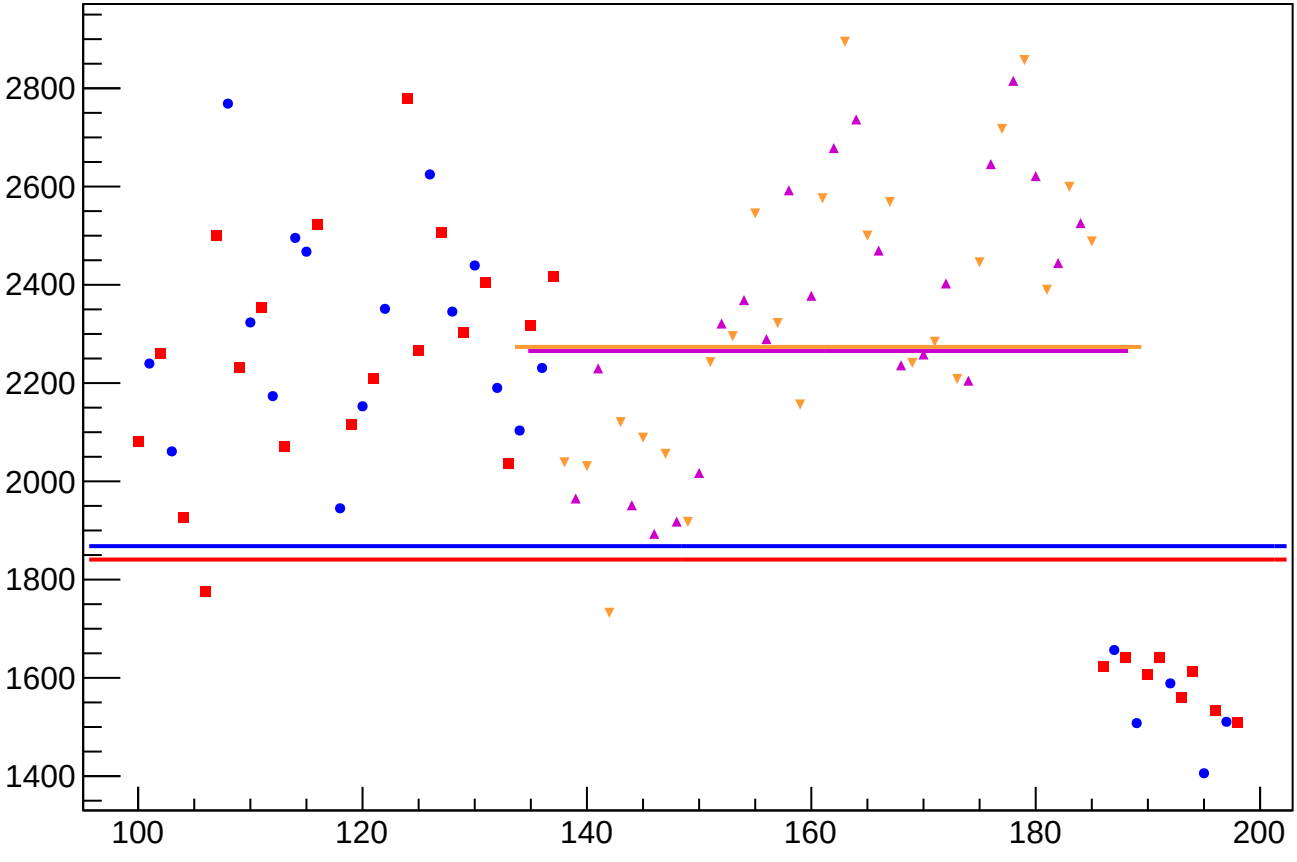
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.786+/-0.390 χ^2/NDF: 351.4/45

All: 3.076+/-0.270 χ^2/NDF: 1217.1/95

- sign -2.188+/-0.374 χ^2/NDF: 453.1/49

diff_bpm0i01Y_rms vs Slug



Right In: 1868.119+/-0.415 χ^2/NDF: 902491.9/20

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1840.845+/-0.370 χ^2/NDF: 824614.3/26

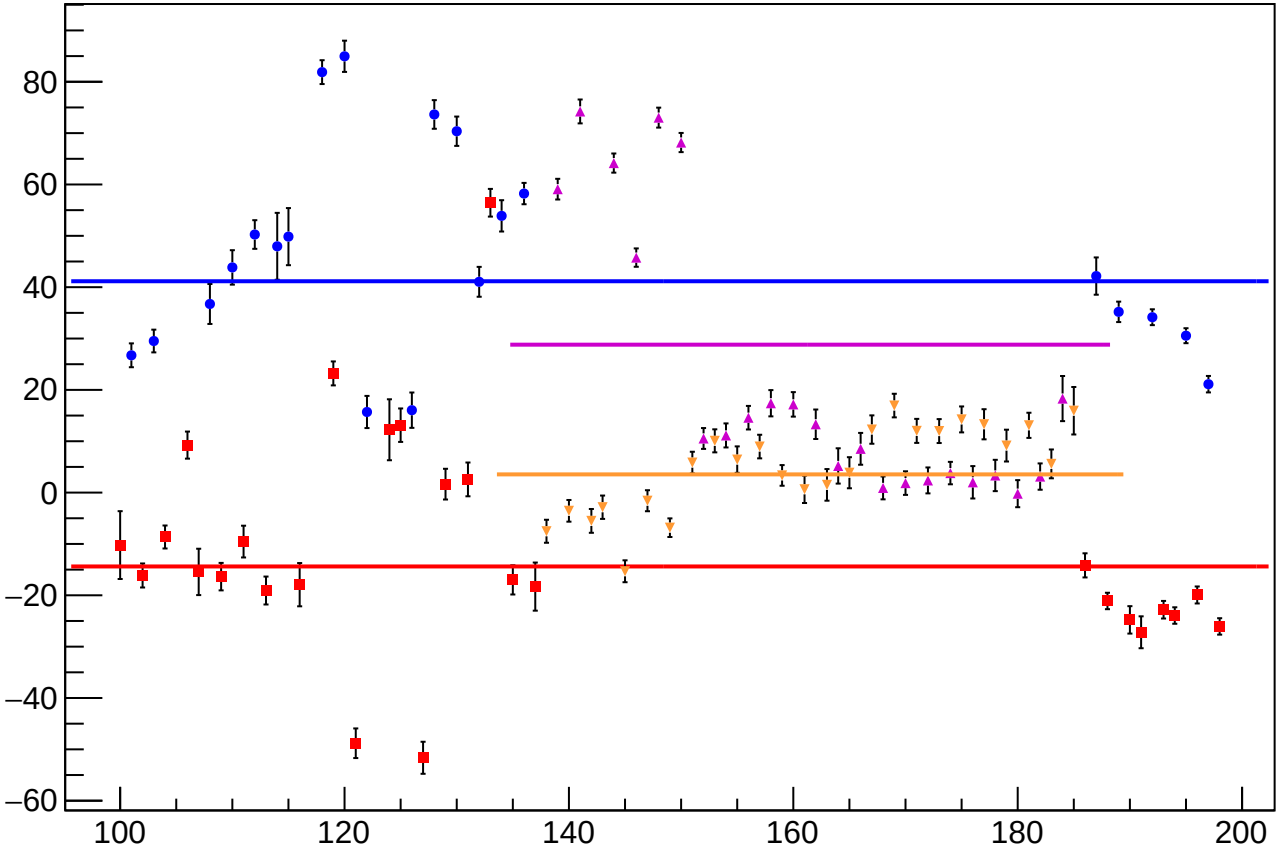
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2095.101+/-0.276 χ^2/NDF: 1973031.3/45

All: 2070.966+/-0.191 χ^2/NDF: 3951390.3/95

- sign 2048.718+/-0.265 χ^2/NDF: 1963613.9/49

diff_bpm0i01aX_mean vs Slug



Right In: 41.157+/-0.533 χ^2/NDF: 1280.8/20

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -14.385+/-0.478 χ^2/NDF: 1651.5/26

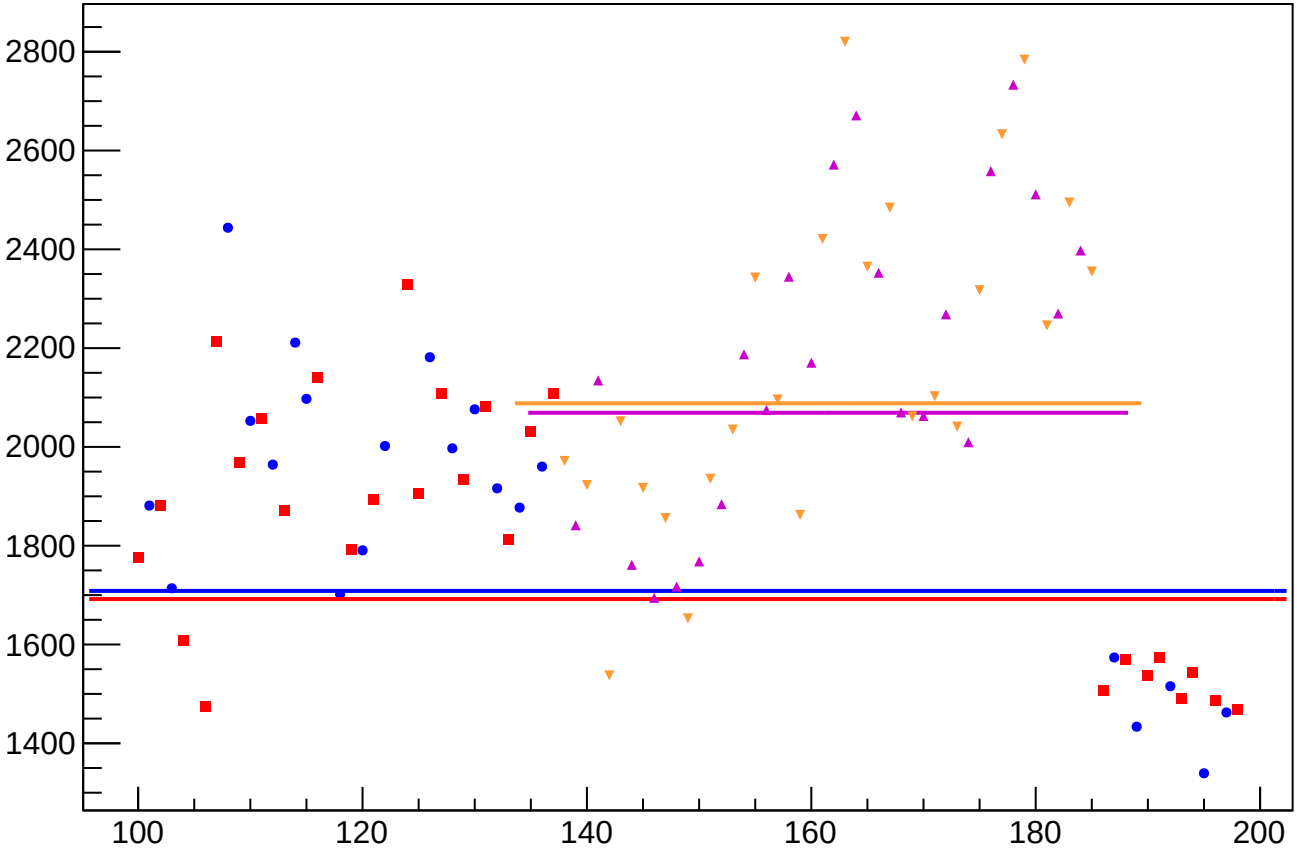
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 20.414+/-0.357 χ^2/NDF: 4351.3/45

All: 13.246+/-0.247 χ^2/NDF: 14014.8/95

\- sign 6.638+/-0.342 χ^2/NDF: 8887.3/49

diff_bpm0i01aX_rms vs Slug



Right In: 1708.507+/-0.377 χ^2/NDF: 546872.9/20

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1691.997+/-0.338 χ^2/NDF: 456177.0/26

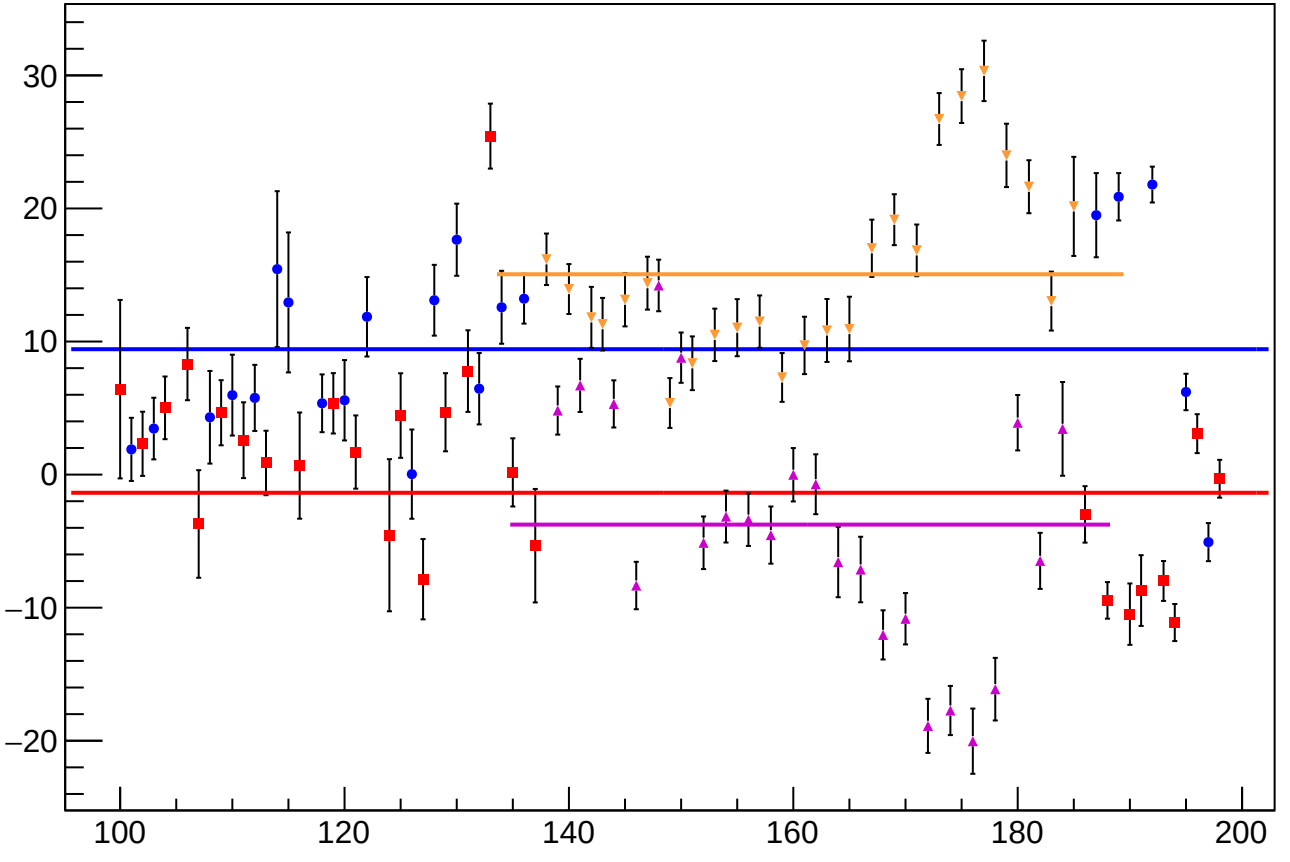
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1917.990+/-0.252 χ^2/NDF: 1895396.3/45

All: 1895.917+/-0.175 χ^2/NDF: 3683681.4/95

- sign 1875.566+/-0.242 χ^2/NDF: 1773562.8/49

diff_bpm0i01aY_mean vs Slug



Right In: 9.423+/-0.492 χ^2/NDF: 299.2/20

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -1.364+/-0.436 χ^2/NDF: 323.2/26

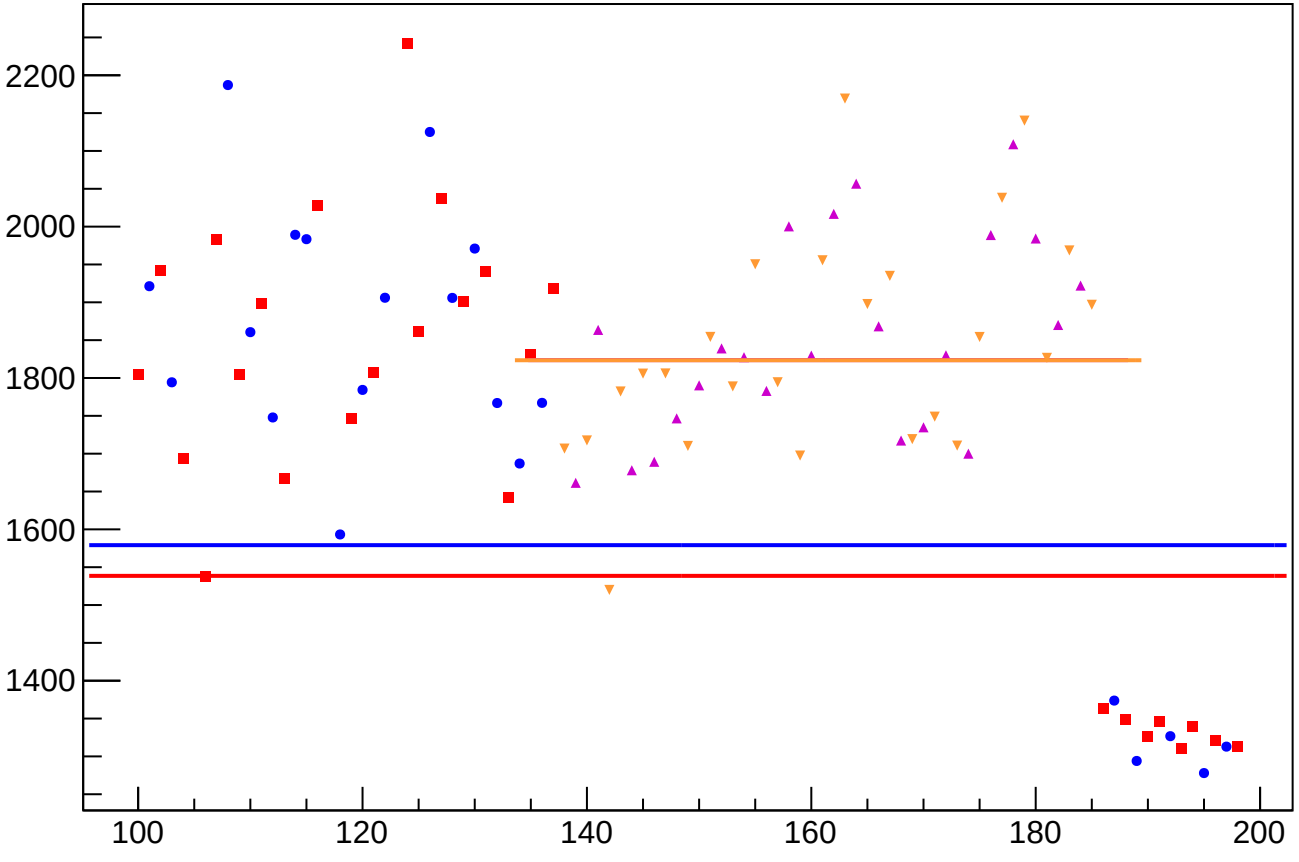
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 12.711+/-0.318 χ^2/NDF: 621.8/45

All: 4.763+/-0.220 χ^2/NDF: 2624.6/95

- sign -2.584+/-0.305 χ^2/NDF: 797.6/49

diff_bpm0i01aY_rms vs Slug



Right In: 1579.120+/-0.348 χ^2/NDF: 654940.5/20

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1538.549+/-0.308 χ^2/NDF: 696093.6/26

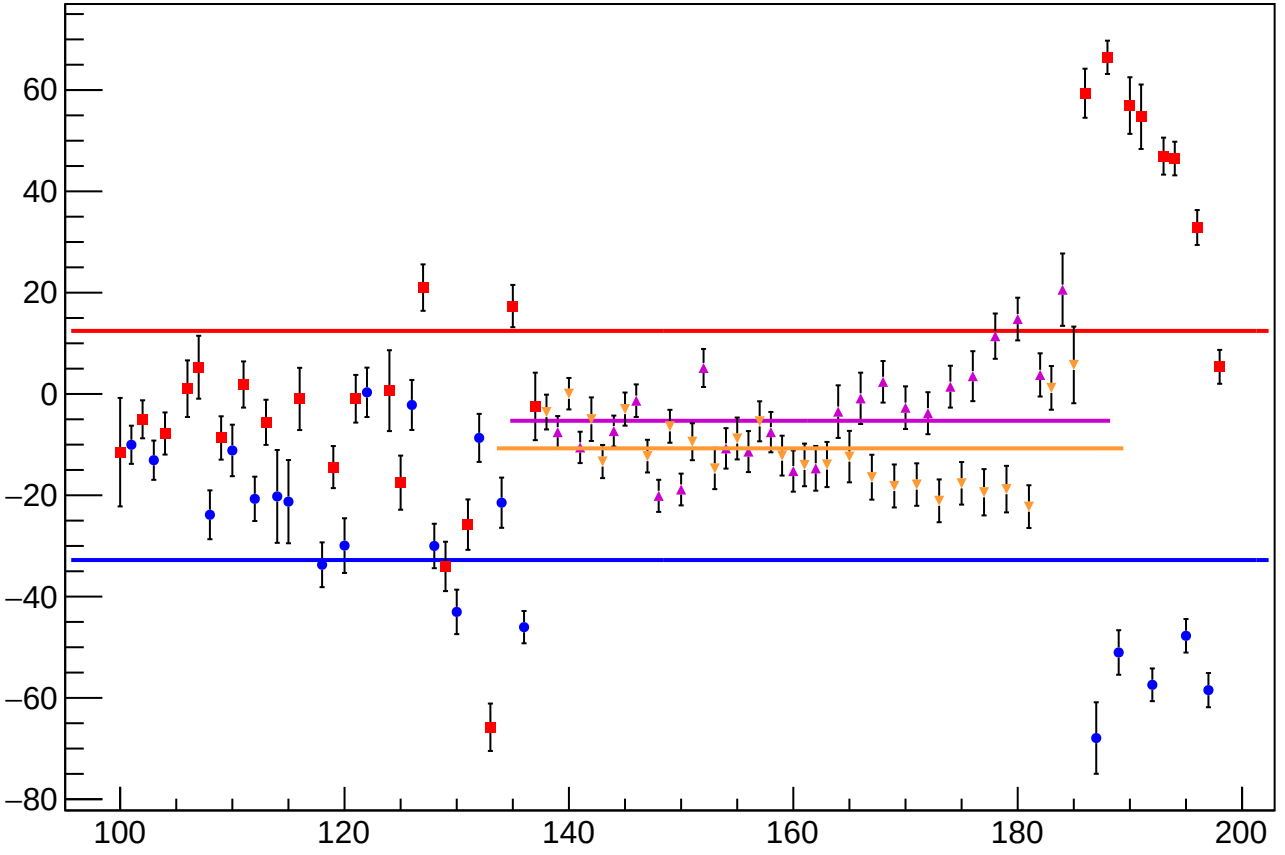
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1721.743+/-0.225 χ^2/NDF: 1153843.7/45

All: 1702.004+/-0.156 χ^2/NDF: 2464276.8/95

- sign 1683.758+/-0.216 χ^2/NDF: 1295565.8/49

diff_bpm0l01X_mean vs Slug



Right In: -32.784+/-0.953 χ^2/NDF: 412.8/20

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 12.453+/-0.872 χ^2/NDF: 1335.6/26

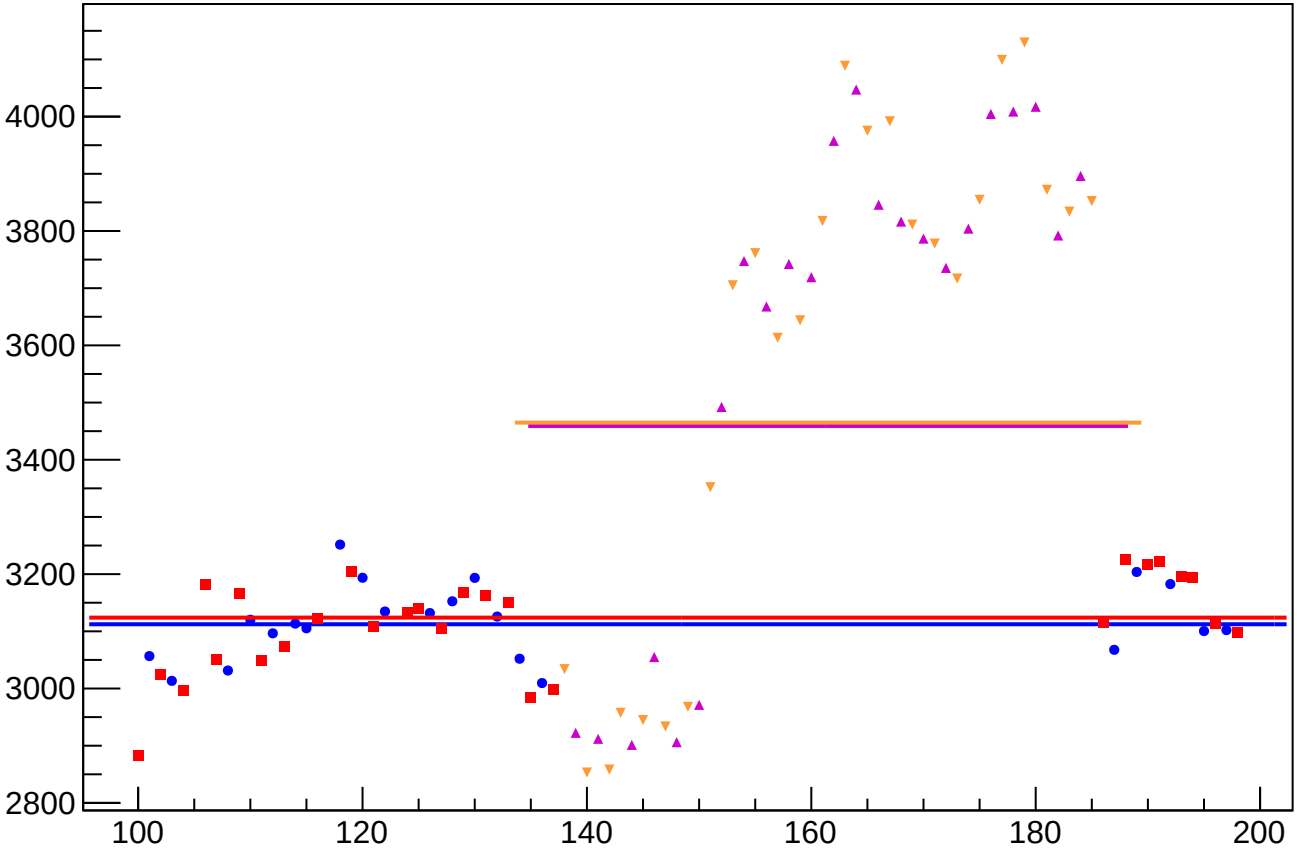
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -19.761+/-0.610 χ^2/NDF: 802.6/45

All: -8.109+/-0.426 χ^2/NDF: 3205.0/95

- sign 2.978+/-0.595 χ^2/NDF: 1690.4/49

diff_bpm0l01X_rms vs Slug



Right In: 3112.343+/-0.674 χ^2/NDF: 10026.1/20

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3123.950+/-0.616 χ^2/NDF: 14644.3/26

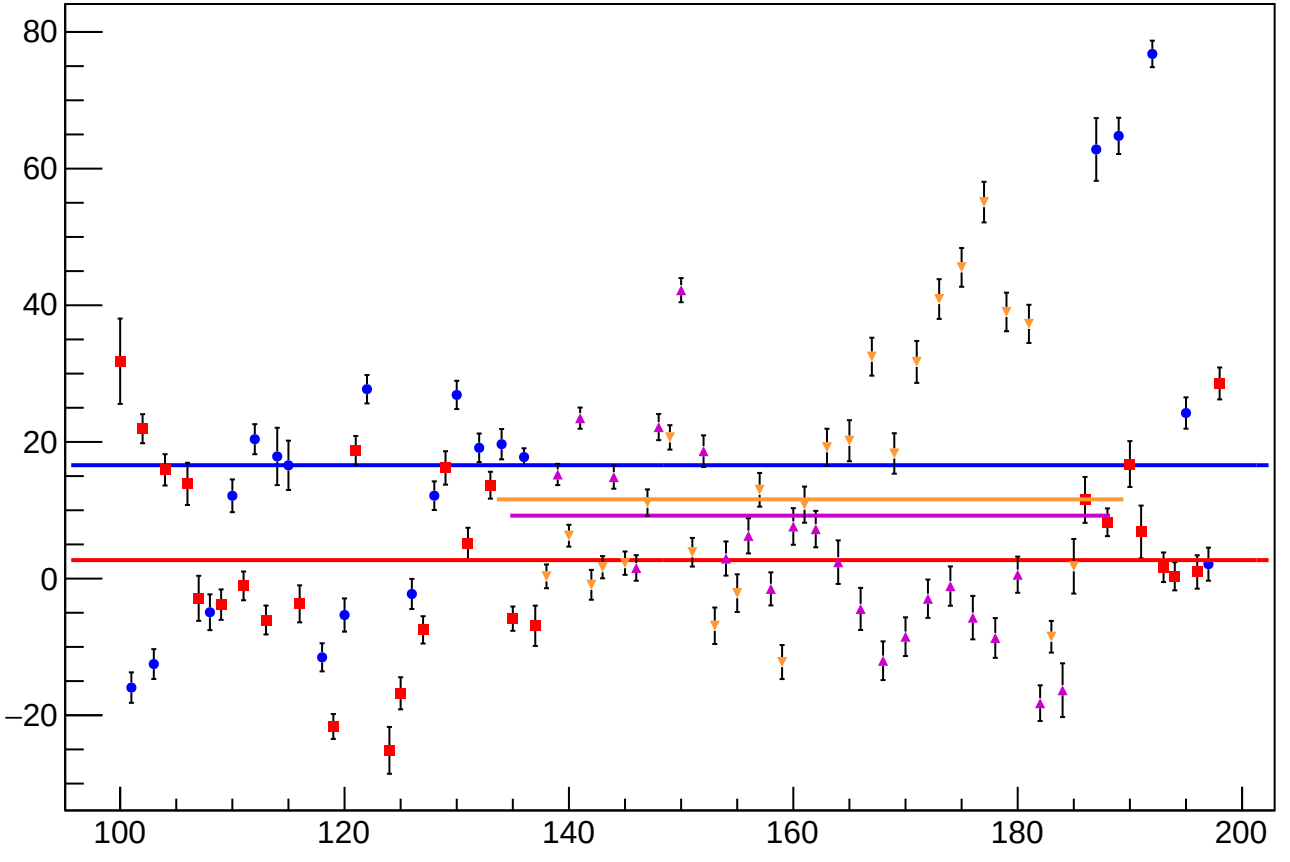
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3320.552+/-0.431 χ^2/NDF: 815581.6/45

All: 3311.502+/-0.301 χ^2/NDF: 1572224.5/95

- sign 3302.892+/-0.421 χ^2/NDF: 755784.1/49

diff_bpm0l01Y_mean vs Slug



Right In: 16.594+/-0.486 χ^2/NDF: 2313.1/20

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 2.704+/-0.457 χ^2/NDF: 838.5/26

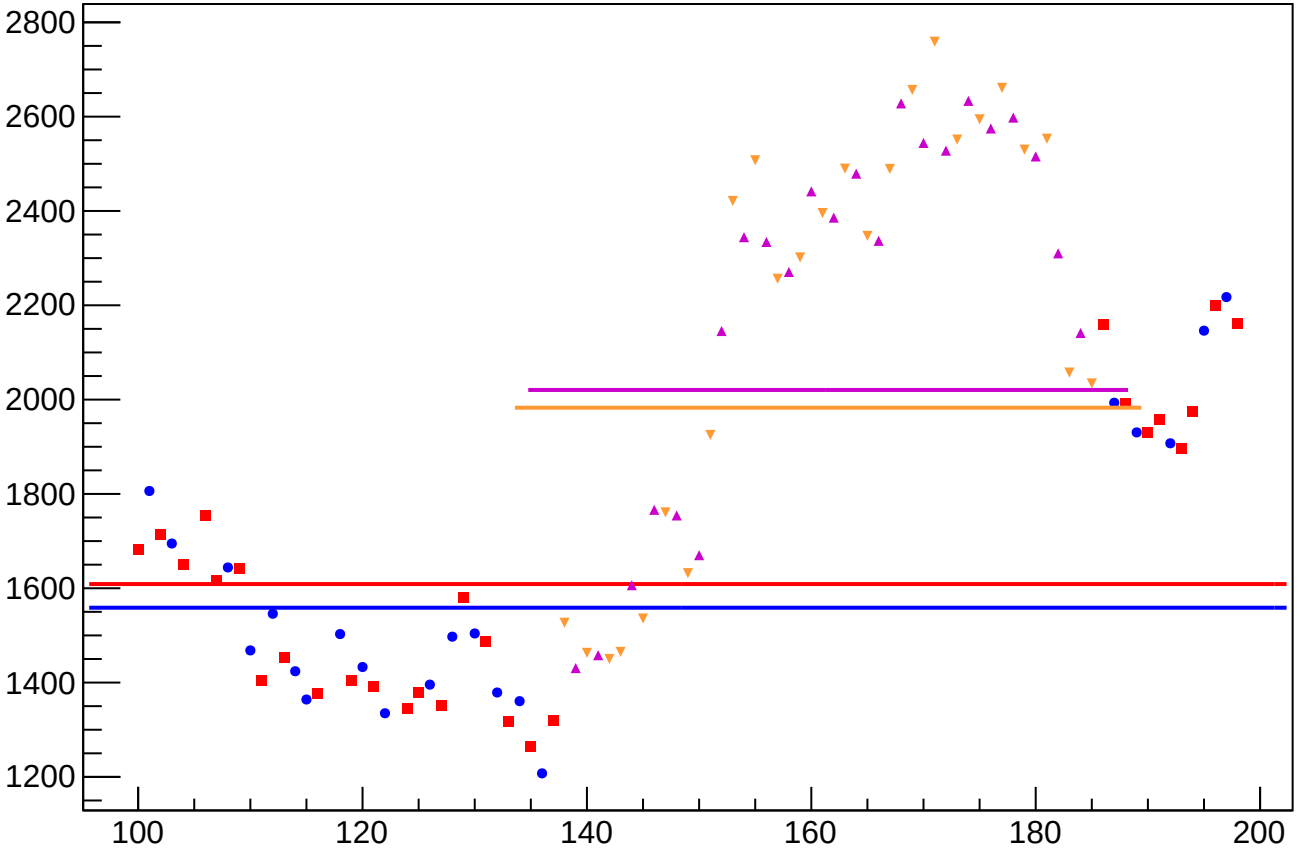
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 13.977+/-0.335 χ^2/NDF: 3565.4/45

All: 9.834+/-0.236 χ^2/NDF: 5742.2/95

- sign 5.772+/-0.332 χ^2/NDF: 1874.8/49

diff_bpm0l01Y_rms vs Slug



Right In: 1558.726+/-0.344 χ^2/NDF: 671503.8/20

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

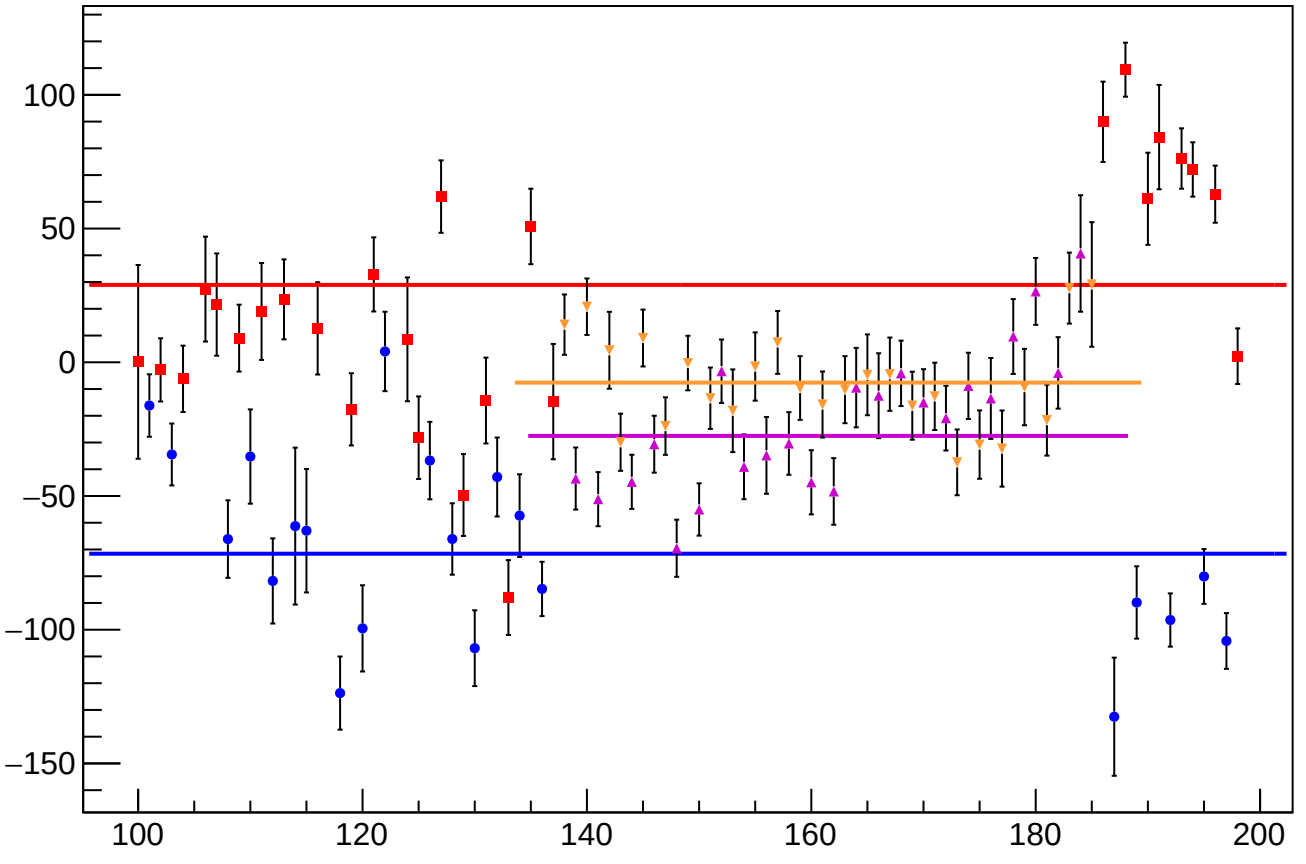
Right Out: 1608.928+/-0.323 χ^2/NDF: 797281.4/26

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1780.963+/-0.237 χ^2/NDF: 3446720.3/45

All: 1792.040+/-0.167 χ^2/NDF: 6628057.7/95

- sign 1802.900+/-0.235 χ^2/NDF: 3177018.6/49



Right In: -71.583+/-2.966 χ^2/NDF: 125.9/20

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

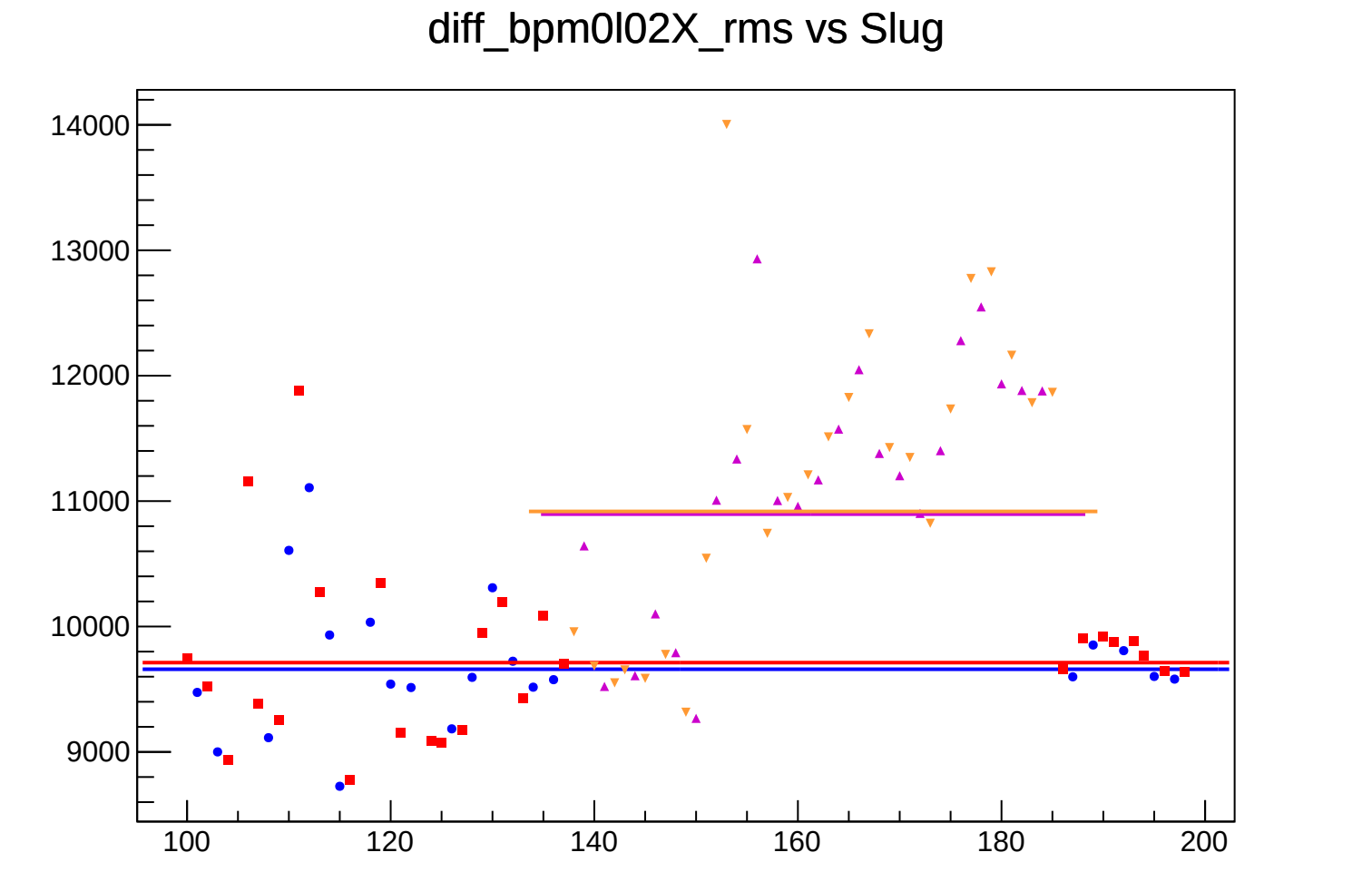
Right Out: 28.930+/-2.717 χ^2/NDF: 305.9/26

Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -34.106+/-1.909 χ^2/NDF: 446.3/45

All: -17.145+/-1.333 χ^2/NDF: 1228.2/95

- sign -1.017+/-1.862 χ^2/NDF: 627.9/49



Right In: 9659.363+/-2.098 χ^2/NDF: 45179.3/20

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9712.157+/-1.921 χ^2/NDF: 82076.6/26

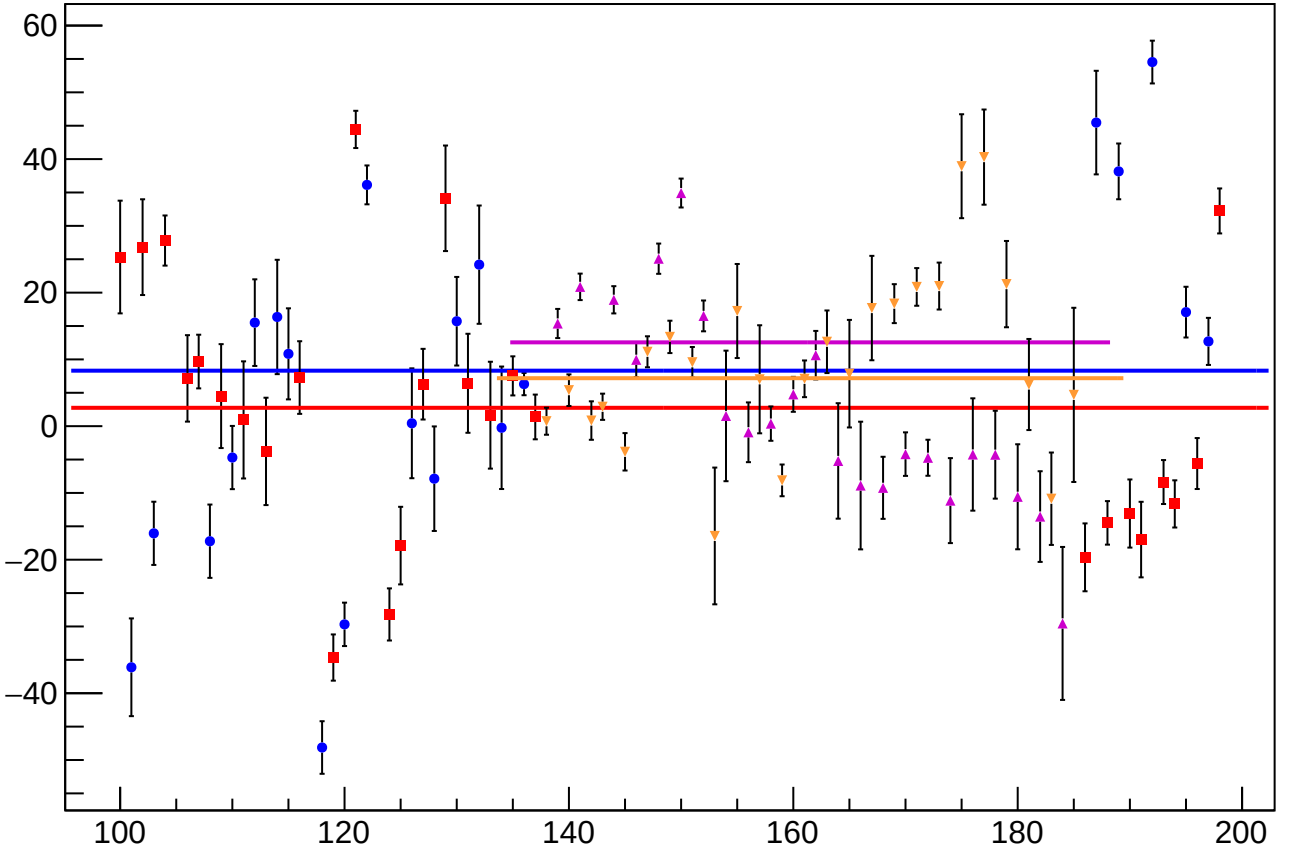
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10396.342+/-1.350 χ^2/NDF: 681795.7/45

All: 10367.515+/-0.943 χ^2/NDF: 1264204.3/9

- sign 10340.106+/-1.317 χ^2/NDF: 581519.3/49

diff_bpm0l02Y_mean vs Slug



Right In: 8.312+/-0.899 χ^2/NDF: 829.2/20

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

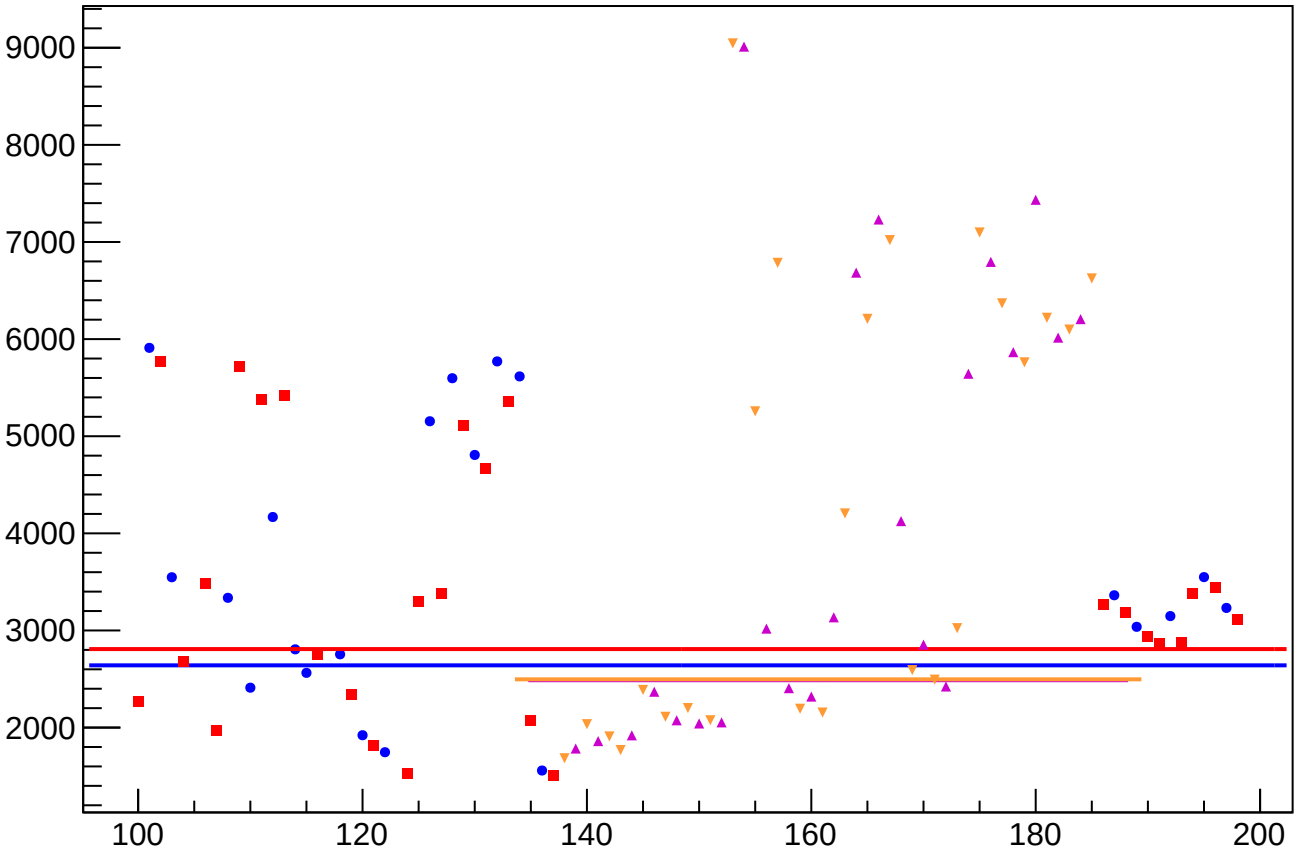
Right Out: 2.750+/-0.845 χ^2/NDF: 681.4/26

Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 7.574+/-0.529 χ^2/NDF: 1032.0/45

All: 8.216+/-0.371 χ^2/NDF: 2171.9/95

- sign 8.837+/-0.520 χ^2/NDF: 1137.0/49



Right In: 2640.856+/-0.636 χ^2/NDF: 3154371.4/20

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2808.407+/-0.598 χ^2/NDF: 2761253.4/26

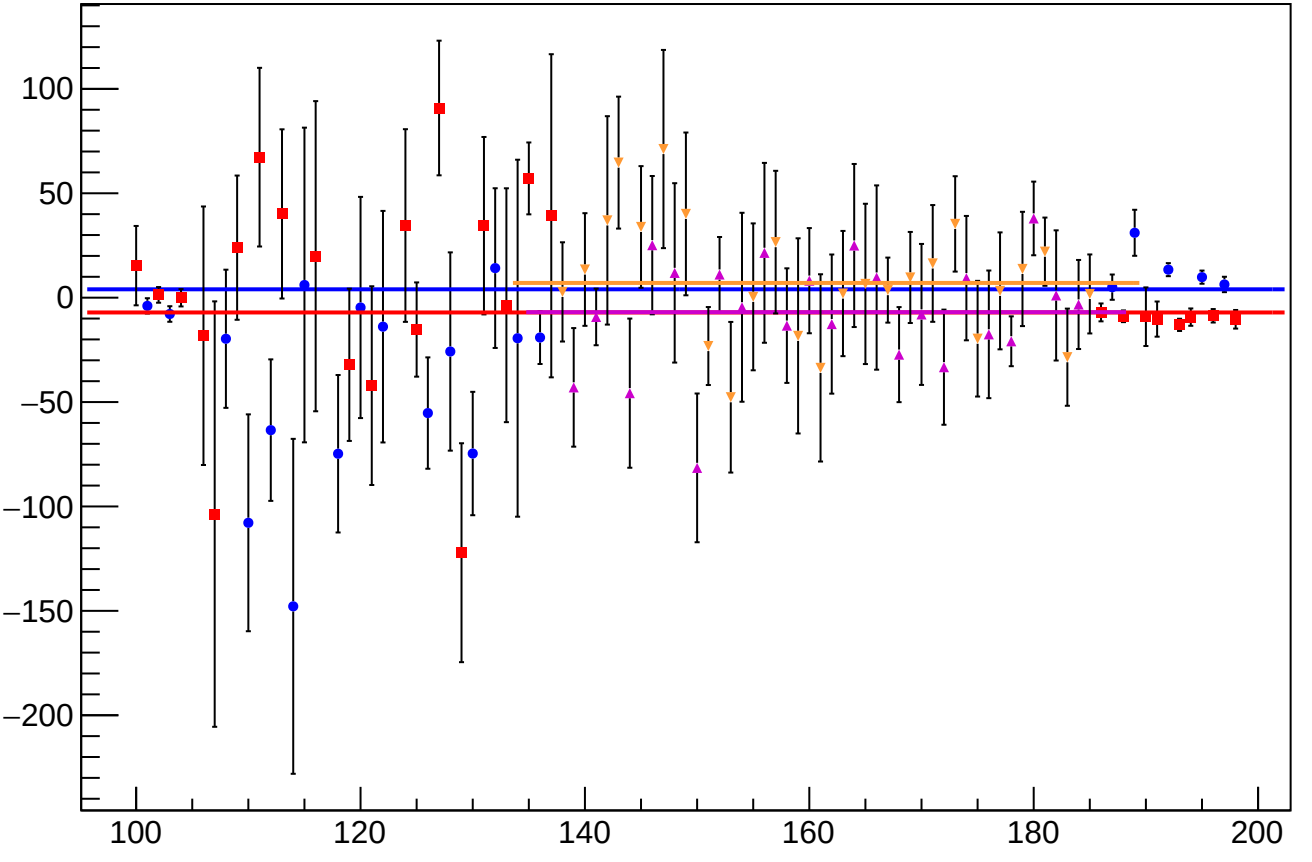
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2546.590+/-0.374 χ^2/NDF: 10393776.0/45

All: 2578.426+/-0.262 χ^2/NDF: 19451465.0/9

- sign 2609.278+/-0.368 χ^2/NDF: 9043411.8/49

diff_bpm0l03X_mean vs Slug



Right In: 4.003+/-1.455 χ^2/NDF: 66.8/20

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -7.086+/-1.225 χ^2/NDF: 52.6/26

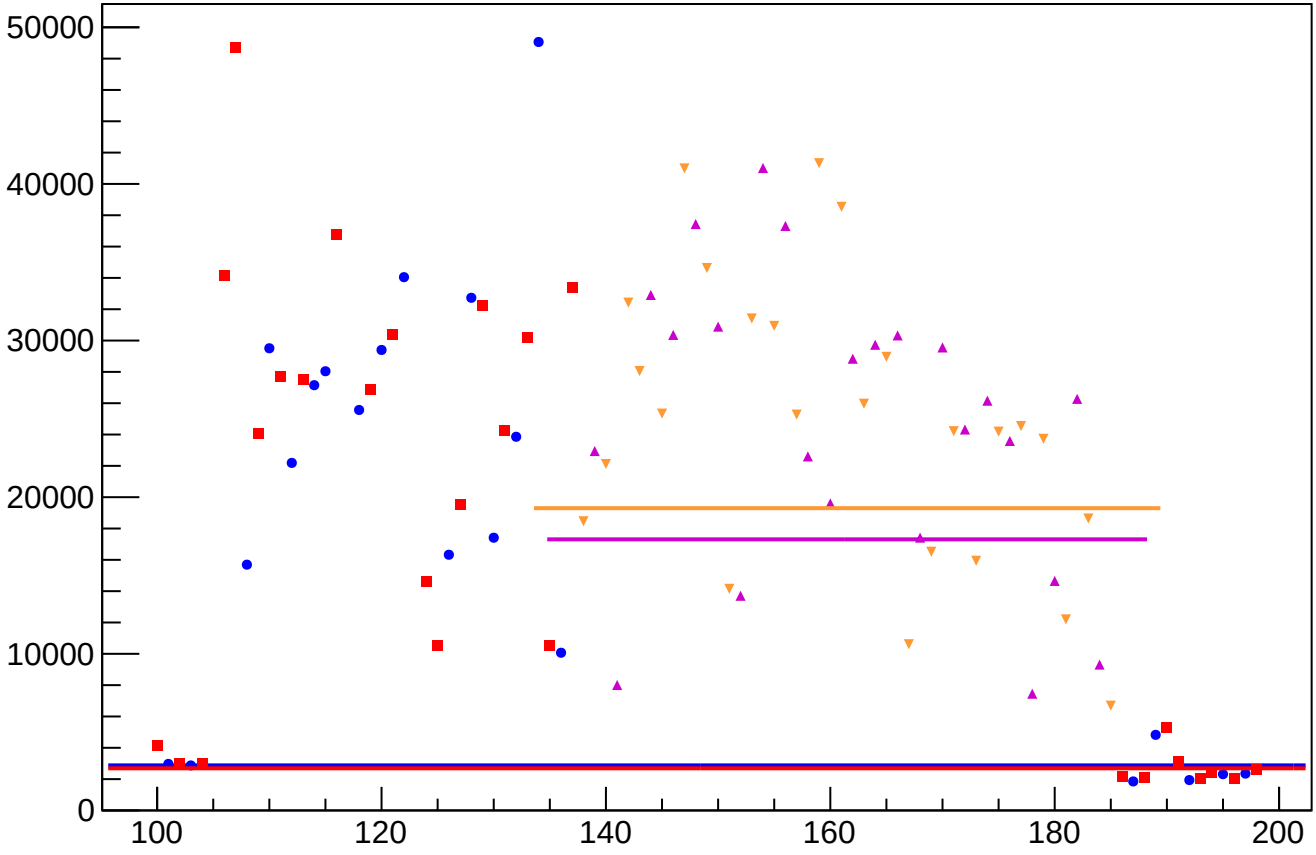
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 4.223+/-1.401 χ^2/NDF: 86.6/45

All: -2.338+/-0.908 χ^2/NDF: 198.0/95

- sign -7.079+/-1.191 χ^2/NDF: 73.7/49

diff_bpm0l03X_rms vs Slug



Right In: 2877.090+/-1.029 χ^2/NDF: 7756073.6/20

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2690.839+/-0.866 χ^2/NDF: 8796201.7/26

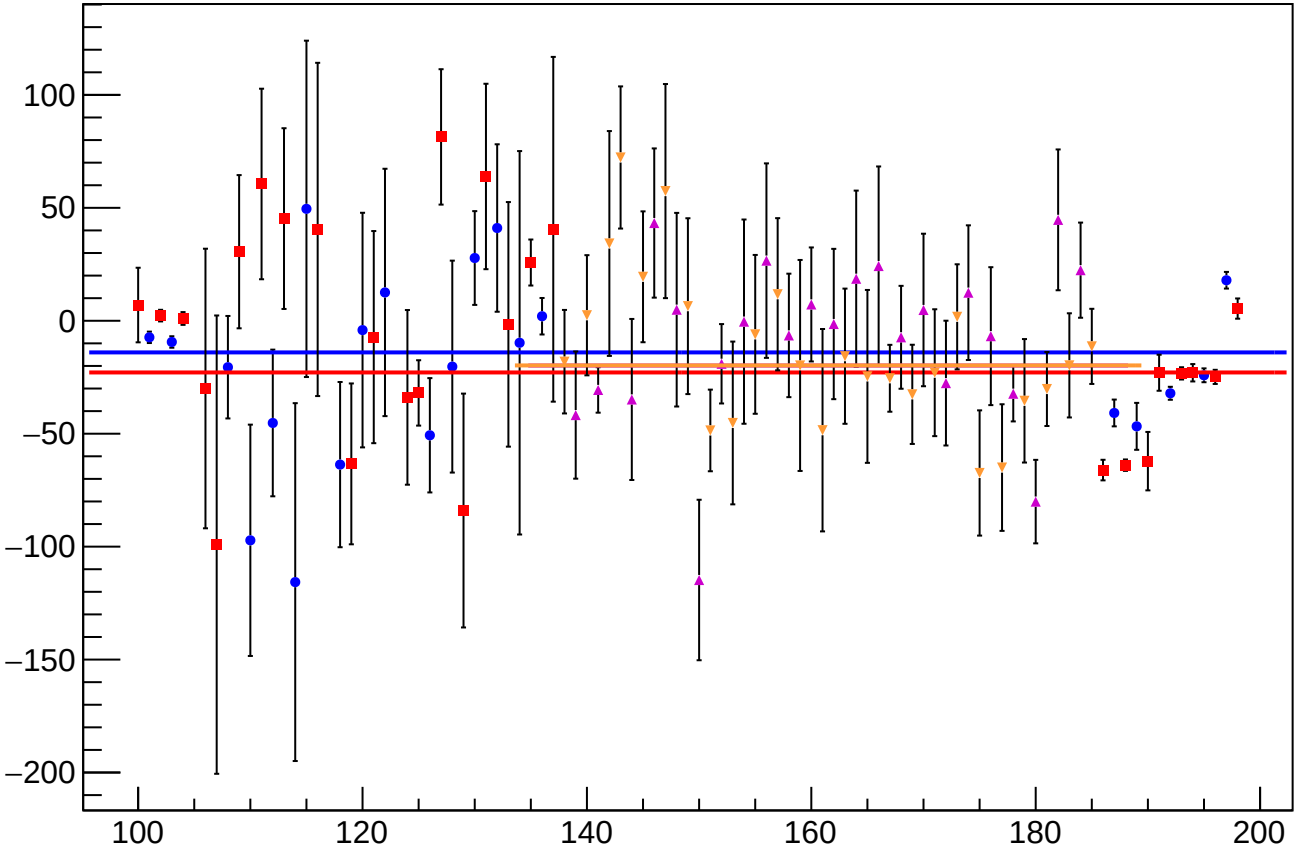
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 4057.434+/-0.991 χ^2/NDF: 31112667.9/45

All: 3728.791+/-0.642 χ^2/NDF: 62408189.9/9

- sign 3491.352+/-0.842 χ^2/NDF: 31106082.5/49

diff_bpm0l03Y_mean vs Slug



Right In: -14.007+/-1.216 χ^2/NDF: 186.7/20

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

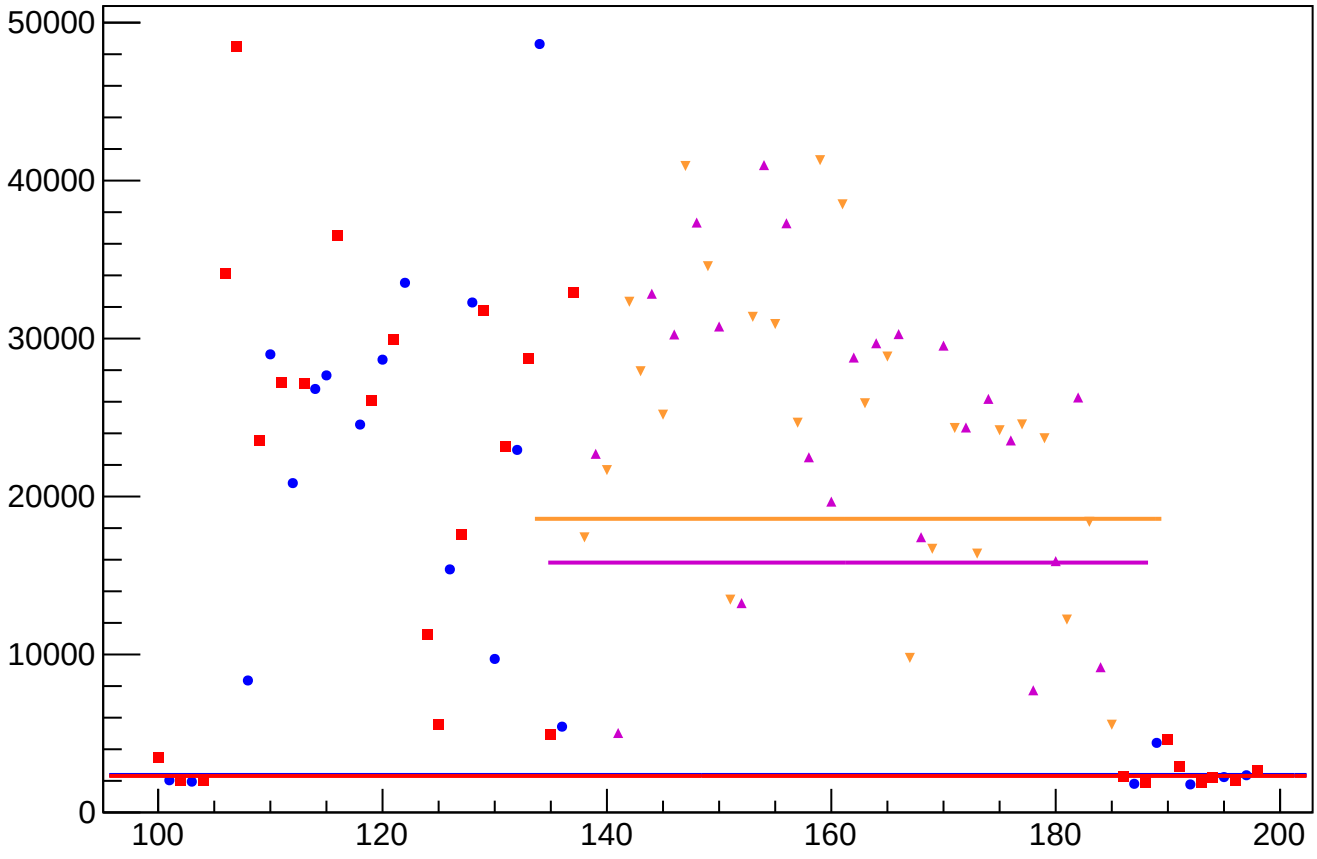
Right Out: -22.882+/-1.064 χ^2/NDF: 627.4/26

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -14.315+/-1.183 χ^2/NDF: 215.7/45

All: -19.069+/-0.781 χ^2/NDF: 912.5/95

- sign -22.741+/-1.040 χ^2/NDF: 668.1/49



Right In: 2373.822+/-0.860 χ^2/NDF: 7009271.5/20

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2311.772+/-0.753 χ^2/NDF: 8312424.9/26

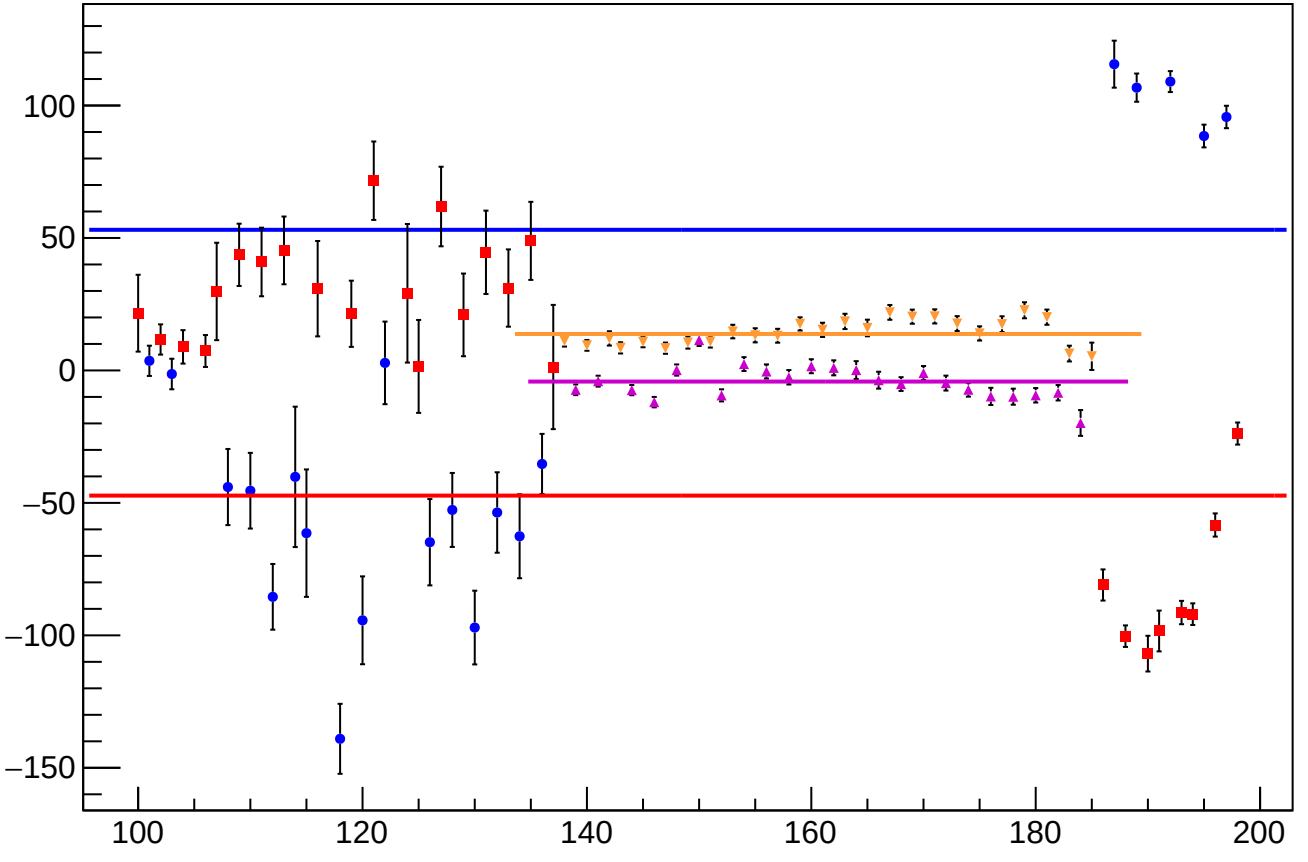
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 3240.441+/-0.836 χ^2/NDF: 31720672.8/45

All: 3067.246+/-0.552 χ^2/NDF: 63338333.7/9

- sign 2933.465+/-0.735 χ^2/NDF: 31541666.3/49

diff_bpm0l04X_mean vs Slug



Right In: 53.086+/-1.701 χ^2/NDF: 1628.1/20

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -47.248+/-1.411 χ^2/NDF: 1362.5/26

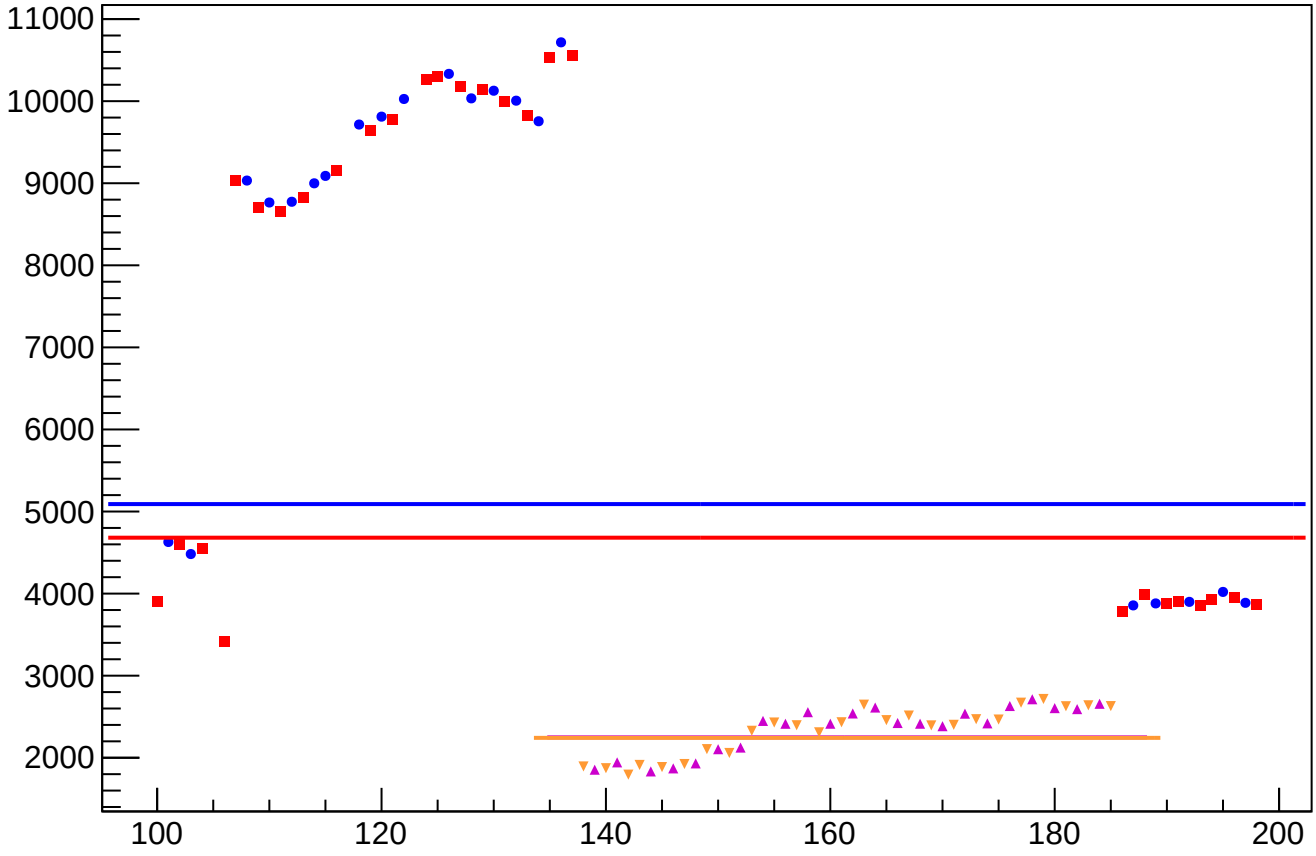
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 17.052+/-0.492 χ^2/NDF: 2195.3/45

All: 3.874+/-0.349 χ^2/NDF: 5944.7/95

- sign -9.529+/-0.496 χ^2/NDF: 2302.5/49

diff_bpm0l04X_rms vs Slug



Right In: 5090.676+/-1.203 χ^2/NDF: 3403831.3/20

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4681.285+/-0.997 χ^2/NDF: 3668382.6/26

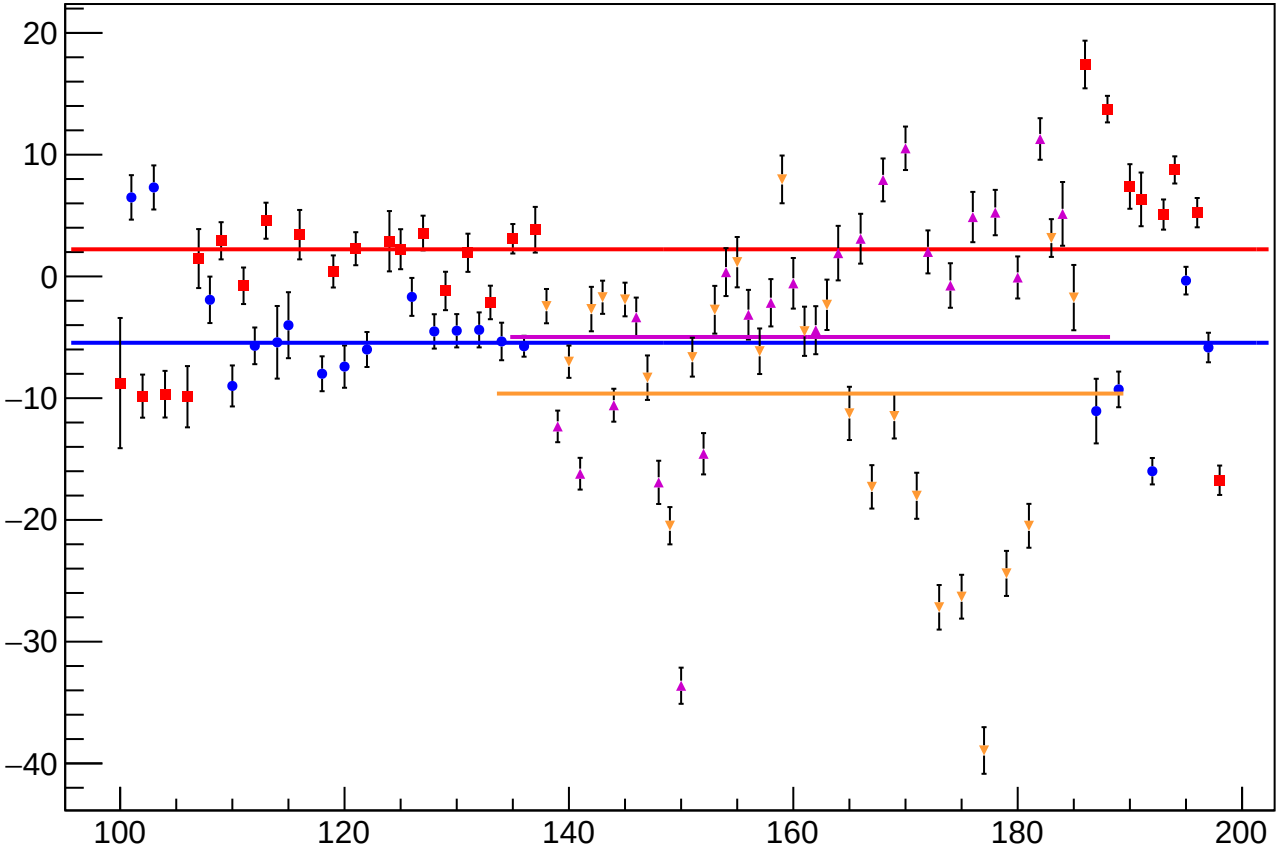
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2480.729+/-0.348 χ^2/NDF: 9201950.1/45

All: 2514.870+/-0.247 χ^2/NDF: 18744434.8/9

- sign 2549.592+/-0.351 χ^2/NDF: 9523061.6/49

diff_bpm0l04Y_mean vs Slug



Right In: -5.449+/-0.319 χ^2/NDF: 238.5/20

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 2.228+/-0.296 χ^2/NDF: 614.1/26

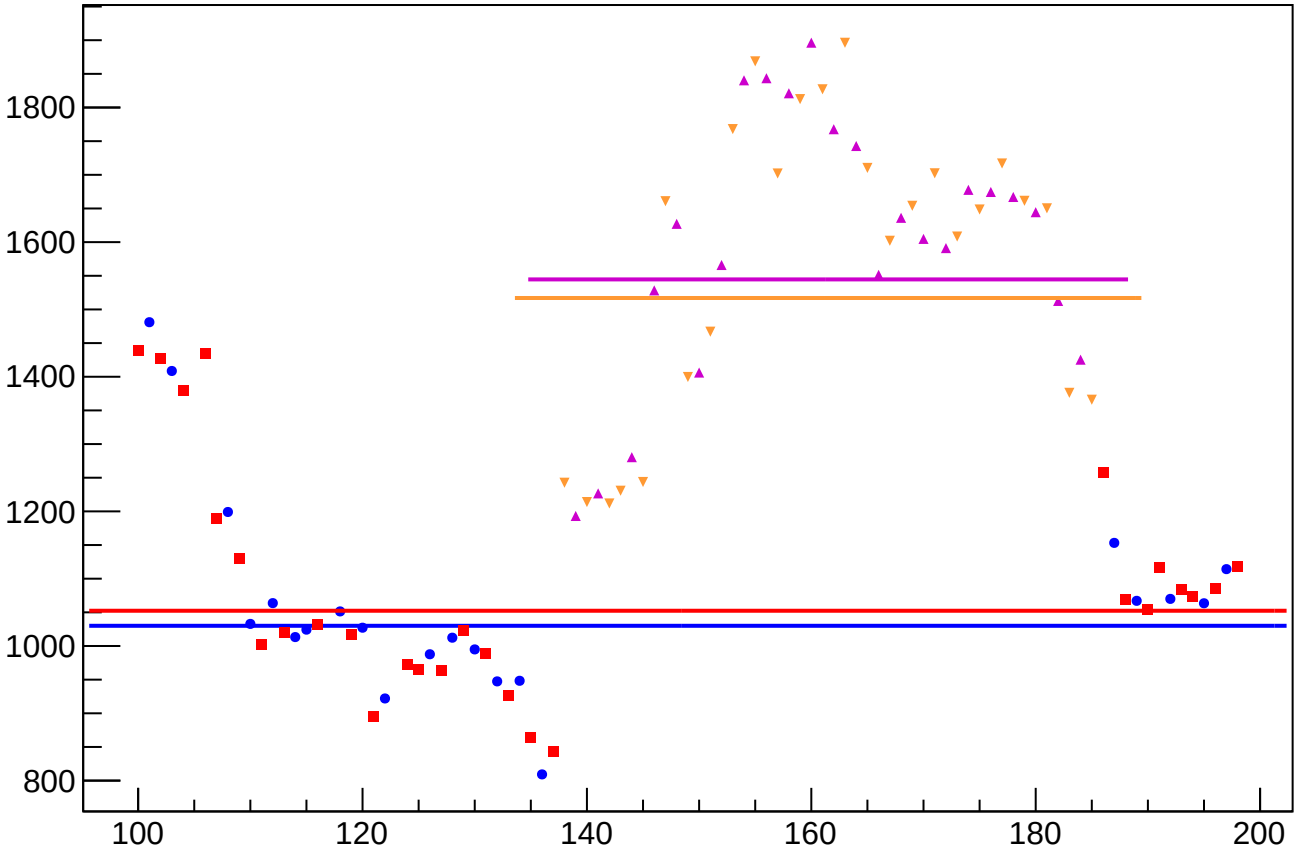
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.346+/-0.235 χ^2/NDF: 1250.7/45

All: -3.910+/-0.164 χ^2/NDF: 3446.1/95

- sign -0.633+/-0.230 χ^2/NDF: 1779.0/49

diff_bpm0l04Y_rms vs Slug



Right In: 1030.011+/-0.225 χ^2/NDF: 405156.3/20

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1052.370+/-0.209 χ^2/NDF: 389843.7/26

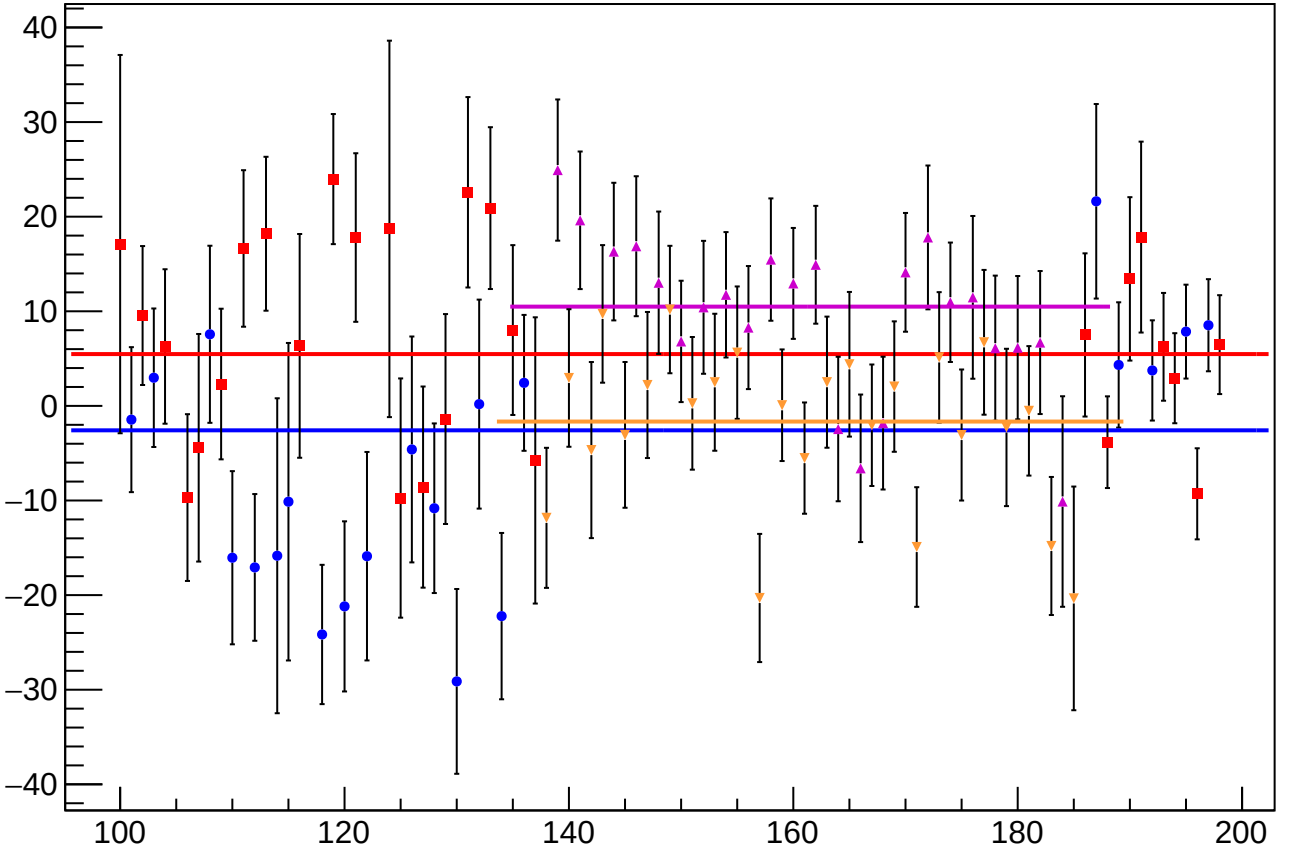
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1251.381+/-0.166 χ^2/NDF: 3360991.9/45

All: 1249.615+/-0.116 χ^2/NDF: 6586820.2/95

- sign 1247.930+/-0.163 χ^2/NDF: 3225608.2/49

diff_bpm0l05X_mean vs Slug



Right In: -2.583+/-1.707 χ^2/NDF: 54.1/20

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

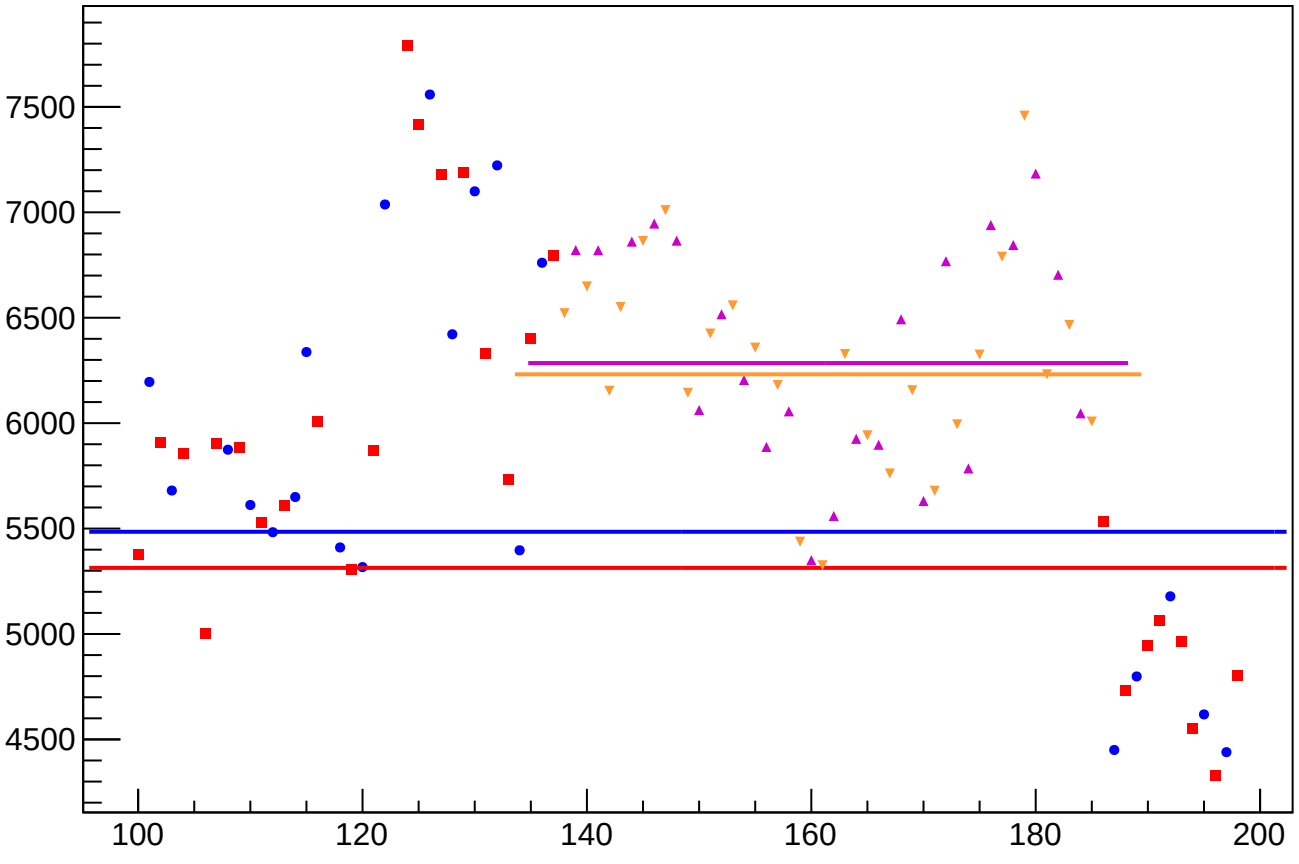
Right Out: 5.477+/-1.504 χ^2/NDF: 44.5/26

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -2.037+/-1.095 χ^2/NDF: 85.7/45

All: 3.181+/-0.759 χ^2/NDF: 204.7/95

- sign 8.025+/-1.055 χ^2/NDF: 75.1/49



Right In: 5484.813+/-1.207 χ^2/NDF: 519661.4/20

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5313.595+/-1.063 χ^2/NDF: 533446.6/26

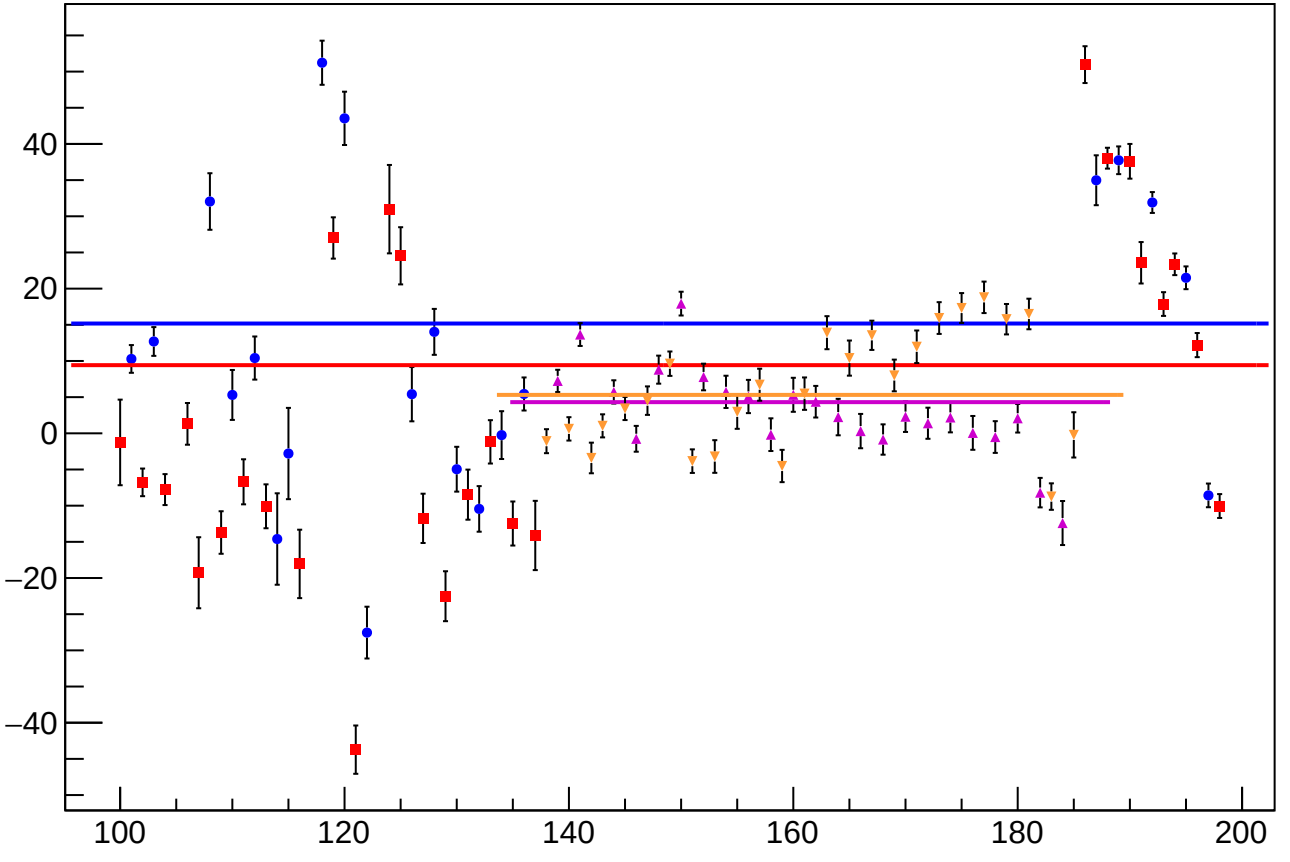
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5924.631+/-0.774 χ^2/NDF: 971965.4/45

All: 5863.687+/-0.537 χ^2/NDF: 2206845.5/95

- sign 5807.109+/-0.746 χ^2/NDF: 1222924.5/49

diff_bpm0l05Y_mean vs Slug



Right In: 15.177+/-0.545 χ^2/NDF: 1097.0/20

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 9.422+/-0.479 χ^2/NDF: 1981.1/26

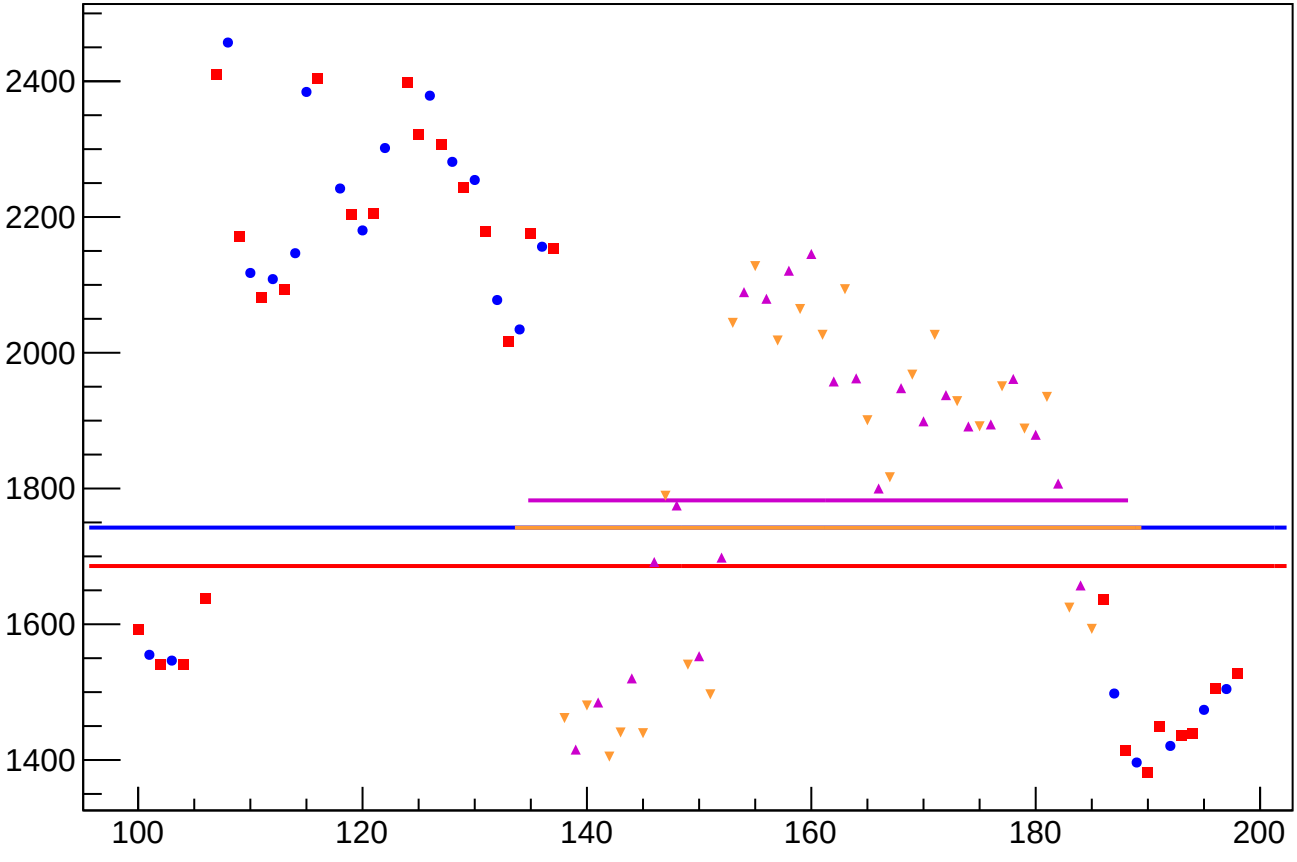
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 8.771+/-0.323 χ^2/NDF: 1687.9/45

All: 7.627+/-0.226 χ^2/NDF: 3978.4/95

- sign 6.530+/-0.316 χ^2/NDF: 2265.8/49

diff_bpm0l05Y_rms vs Slug



Right In: 1742.427+/-0.385 χ^2/NDF: 867636.7/20

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1685.786+/-0.339 χ^2/NDF: 942298.4/26

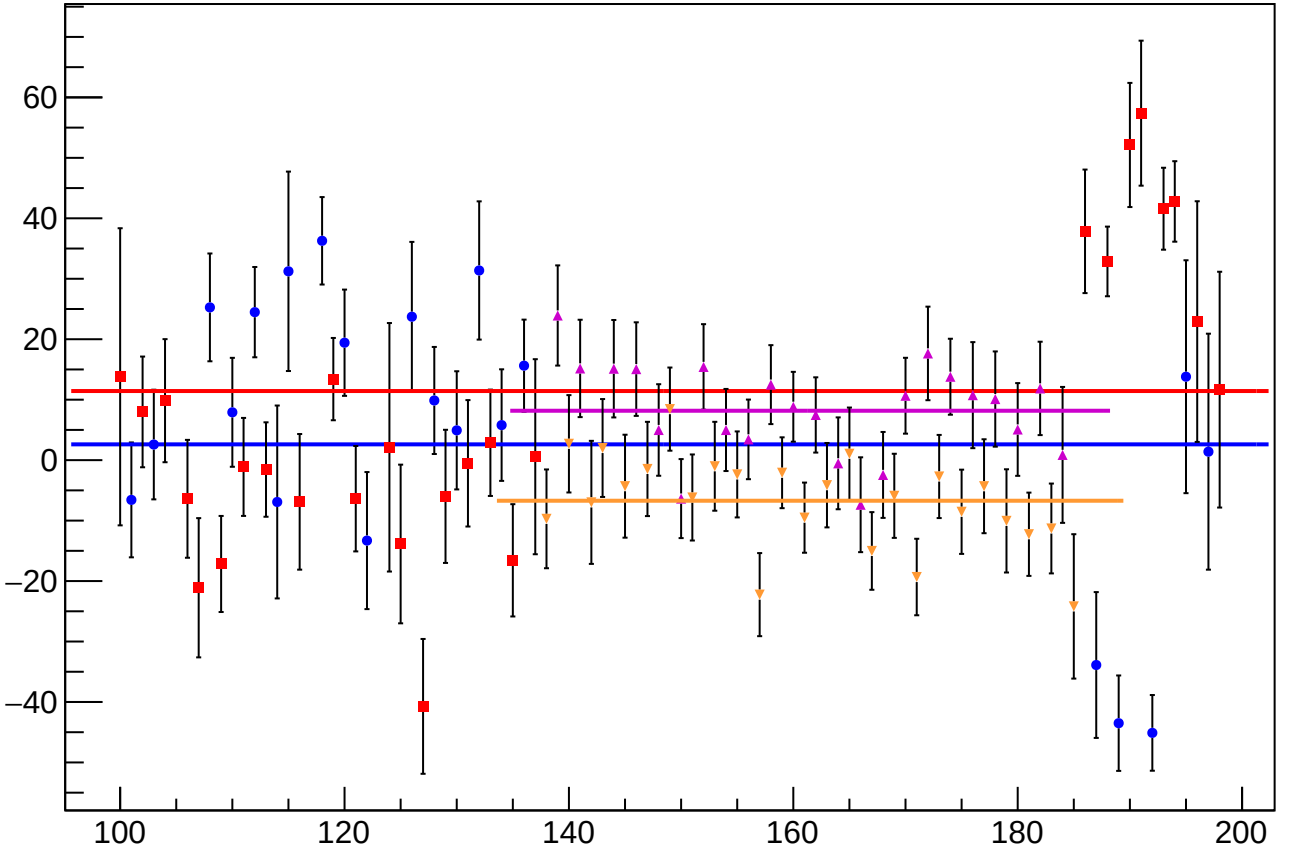
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1742.291+/-0.228 χ^2/NDF: 1635300.8/45

All: 1741.376+/-0.160 χ^2/NDF: 3158046.1/95

- sign 1740.499+/-0.223 χ^2/NDF: 1522713.8/49

diff_bpm0l06X_mean vs Slug



Right In: 2.611+/-2.069 χ^2/NDF: 161.7/20

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 11.431+/-1.829 χ^2/NDF: 169.9/26

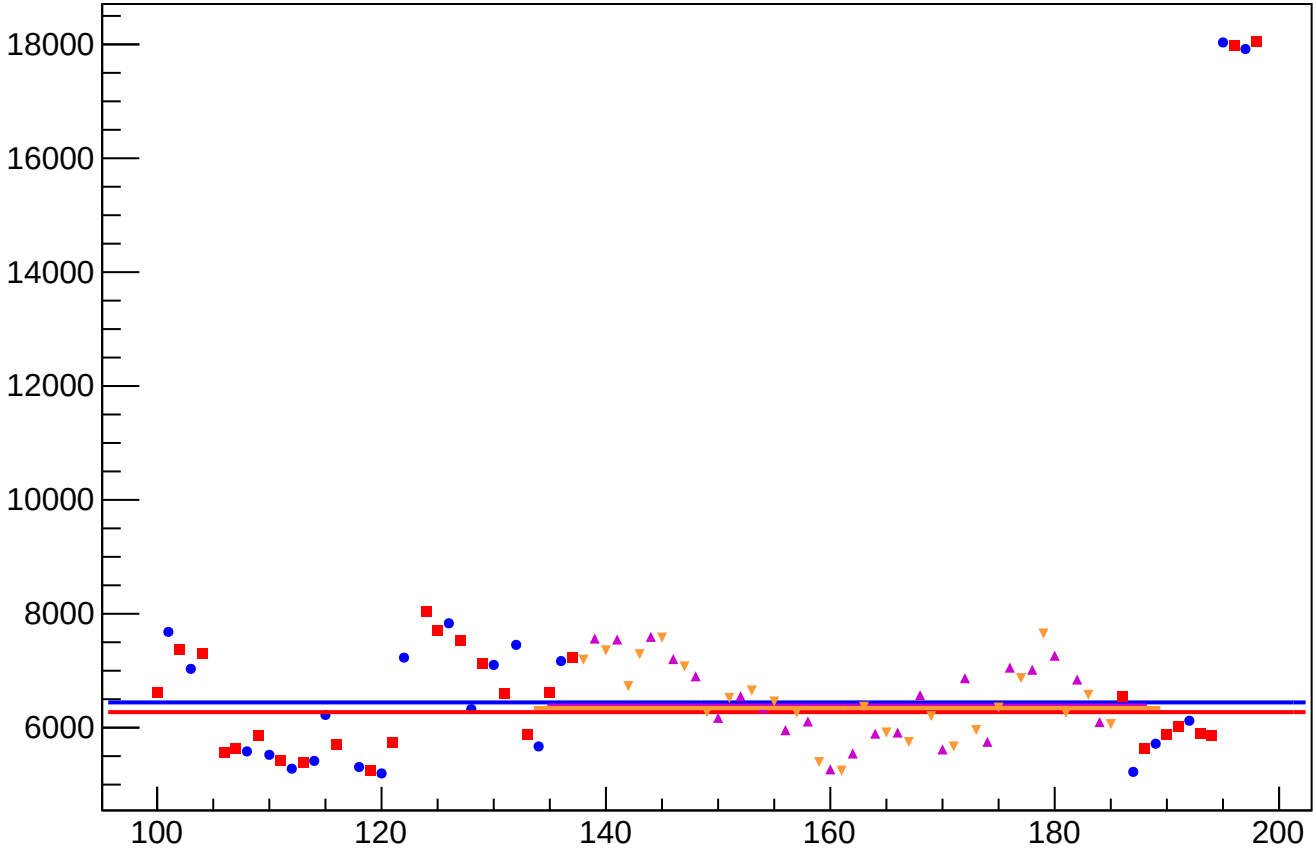
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.619+/-1.192 χ^2/NDF: 201.0/45

All: 3.089+/-0.833 χ^2/NDF: 458.9/95

- sign 9.493+/-1.164 χ^2/NDF: 196.0/49

diff_bpm0l06X_rms vs Slug



Right In: 6443.485+/-1.463 χ^2/NDF: 1779226.2/20

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6272.894+/-1.293 χ^2/NDF: 1734231.0/26

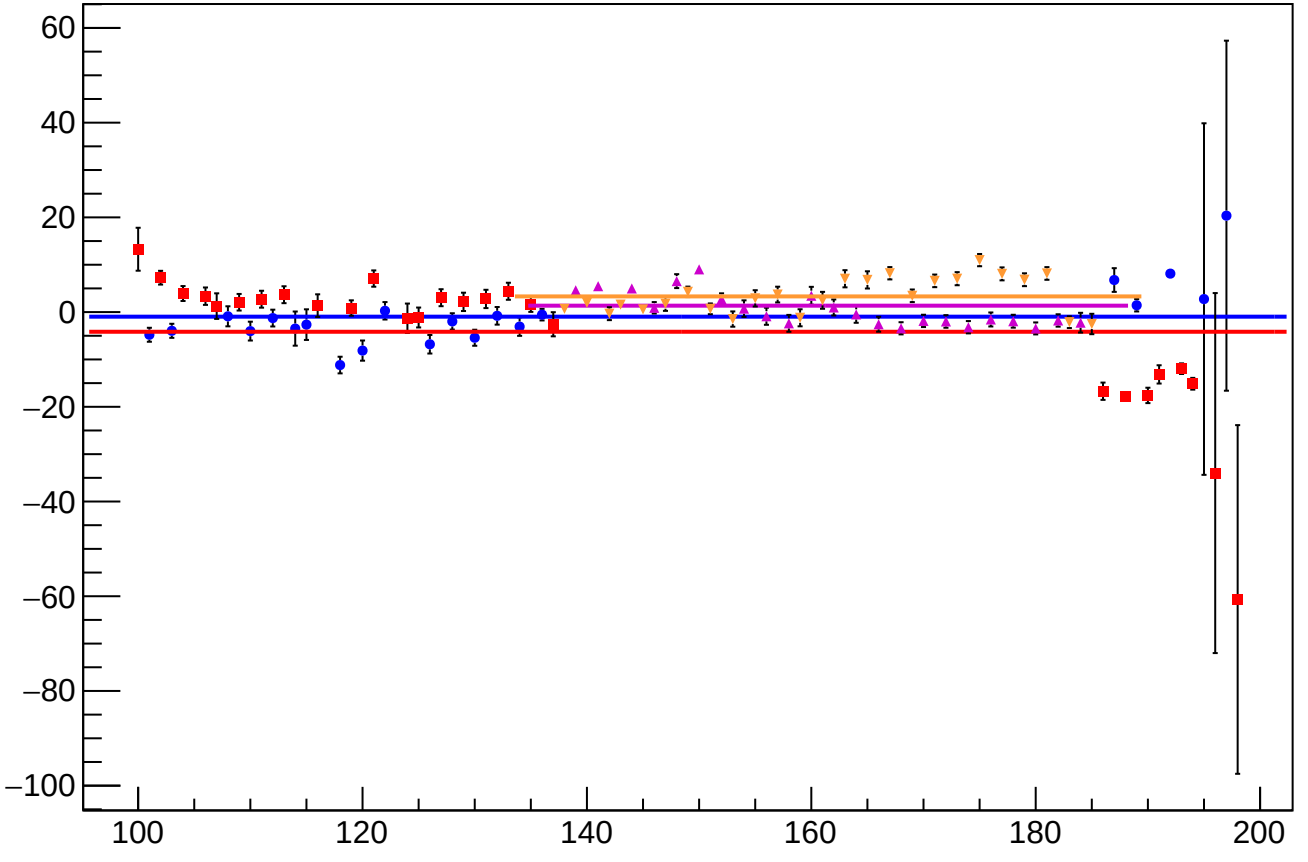
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6379.206+/-0.843 χ^2/NDF: 2168141.6/45

All: 6360.263+/-0.589 χ^2/NDF: 4327946.5/95

- sign 6342.179+/-0.823 χ^2/NDF: 2158816.9/49

diff_bpm0l06Y_mean vs Slug



Right In: -0.967+/-0.386 χ^2/NDF: 179.2/20

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -4.153+/-0.342 χ^2/NDF: 747.4/26

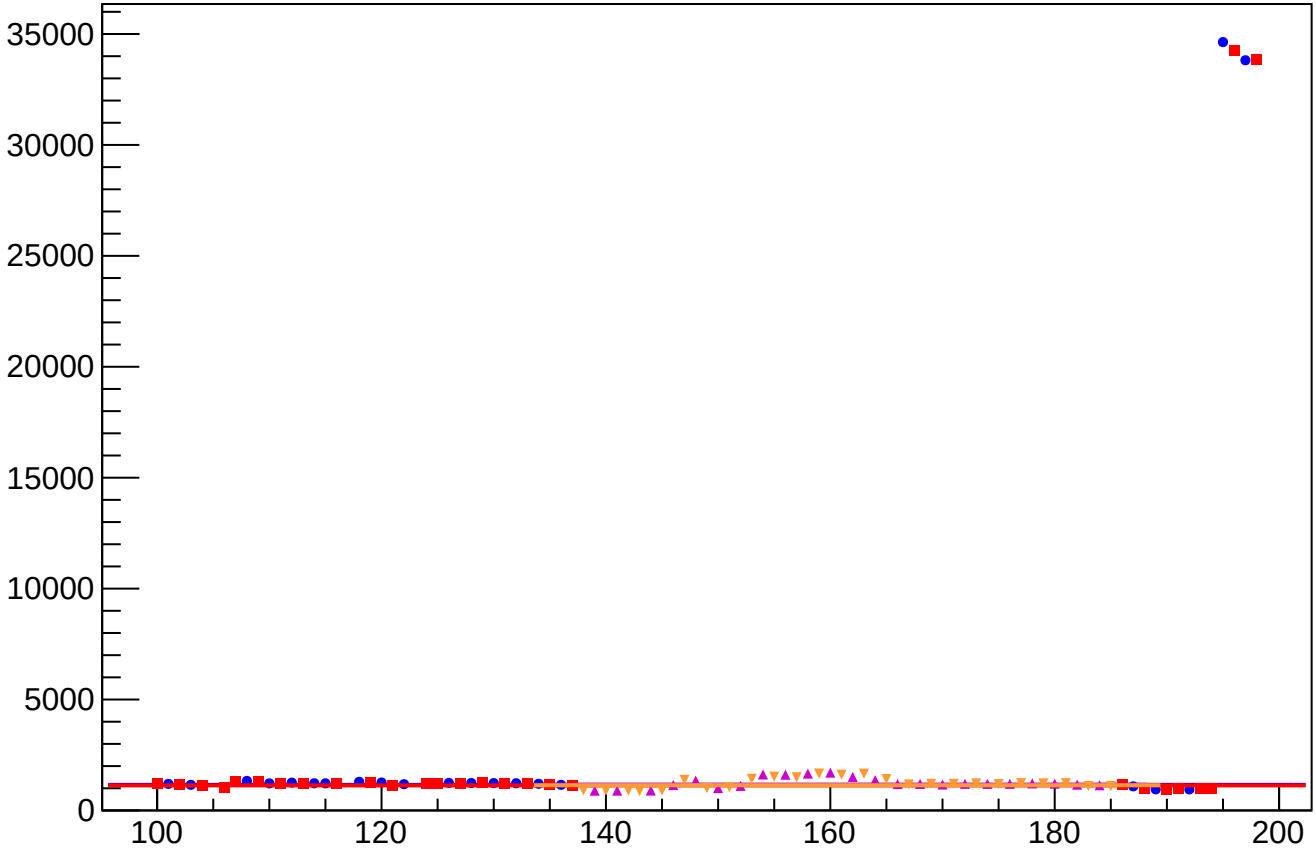
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.945+/-0.218 χ^2/NDF: 440.7/45

All: 0.541+/-0.153 χ^2/NDF: 1622.7/95

- sign -0.823+/-0.215 χ^2/NDF: 1100.4/49

diff_bpm0l06Y_rms vs Slug



Right In: 1154.912+/-0.273 χ^2/NDF: 3390303.3/20

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1128.748+/-0.242 χ^2/NDF: 3319283.1/26

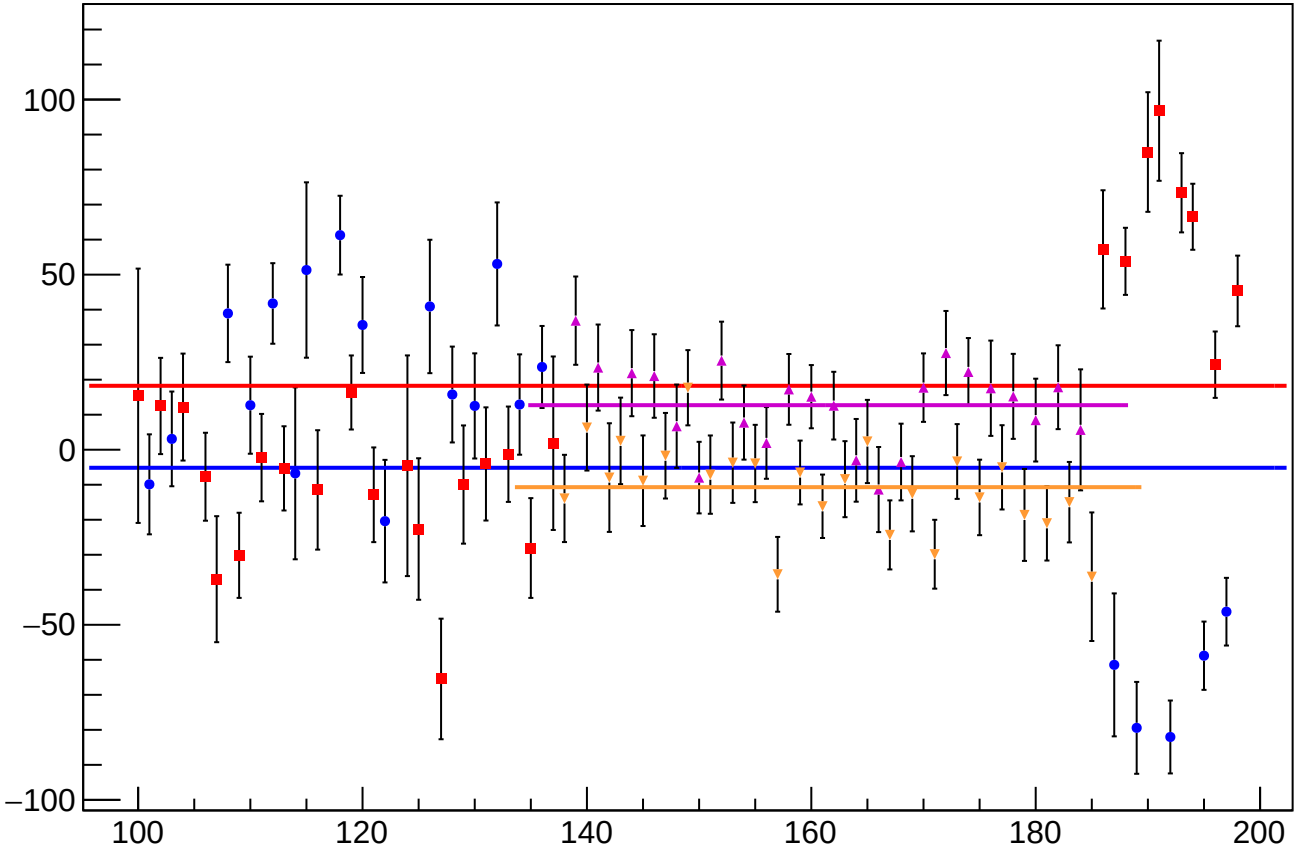
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1142.823+/-0.154 χ^2/NDF: 4862871.3/45

All: 1145.092+/-0.108 χ^2/NDF: 9452102.7/95

- sign 1147.298+/-0.152 χ^2/NDF: 4588804.7/49

diff_bpm0l07X_mean vs Slug



Right In: -5.158+/-2.953 χ^2/NDF: 249.2/20

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

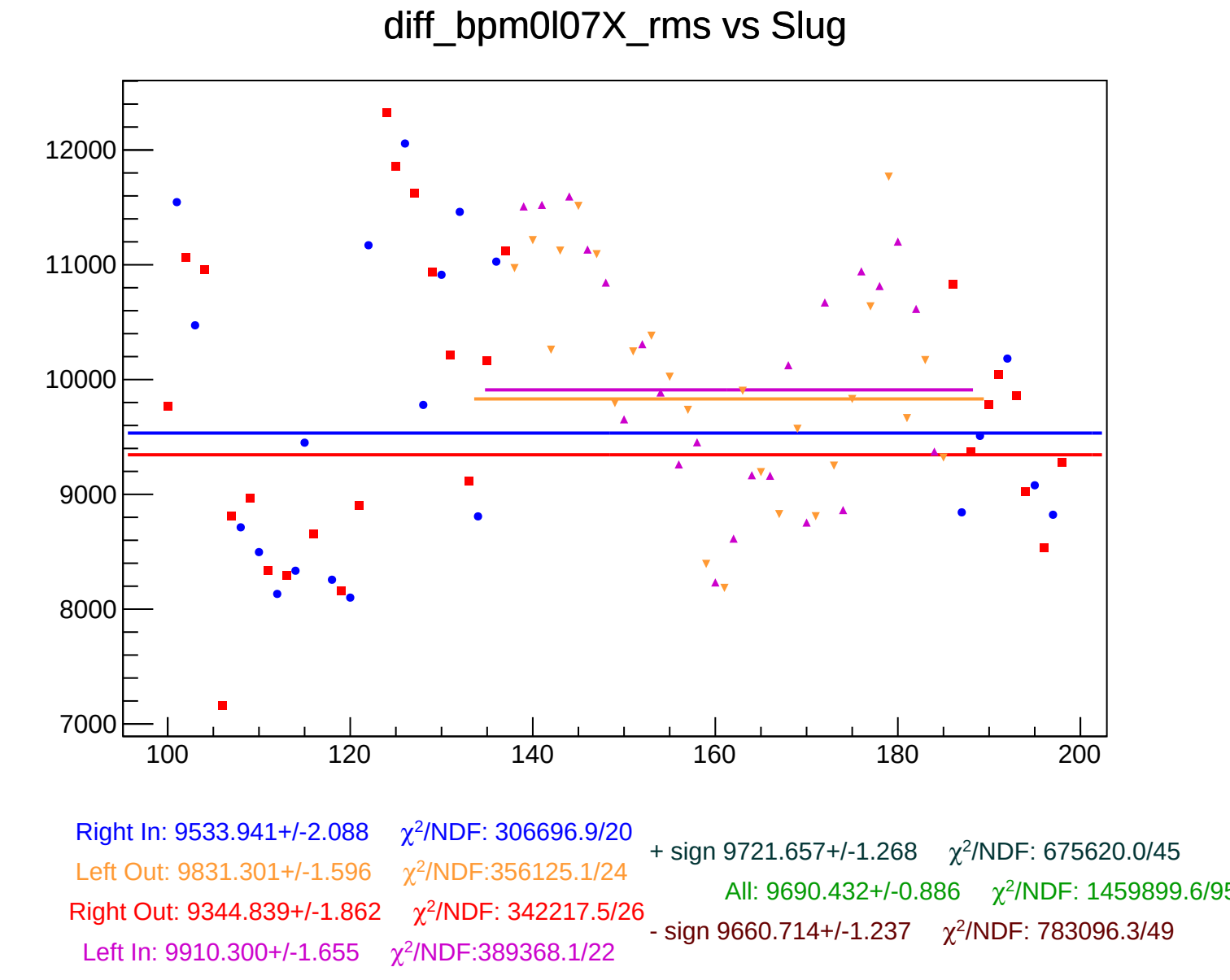
Right Out: 18.255+/-2.633 χ^2/NDF: 198.2/26

Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

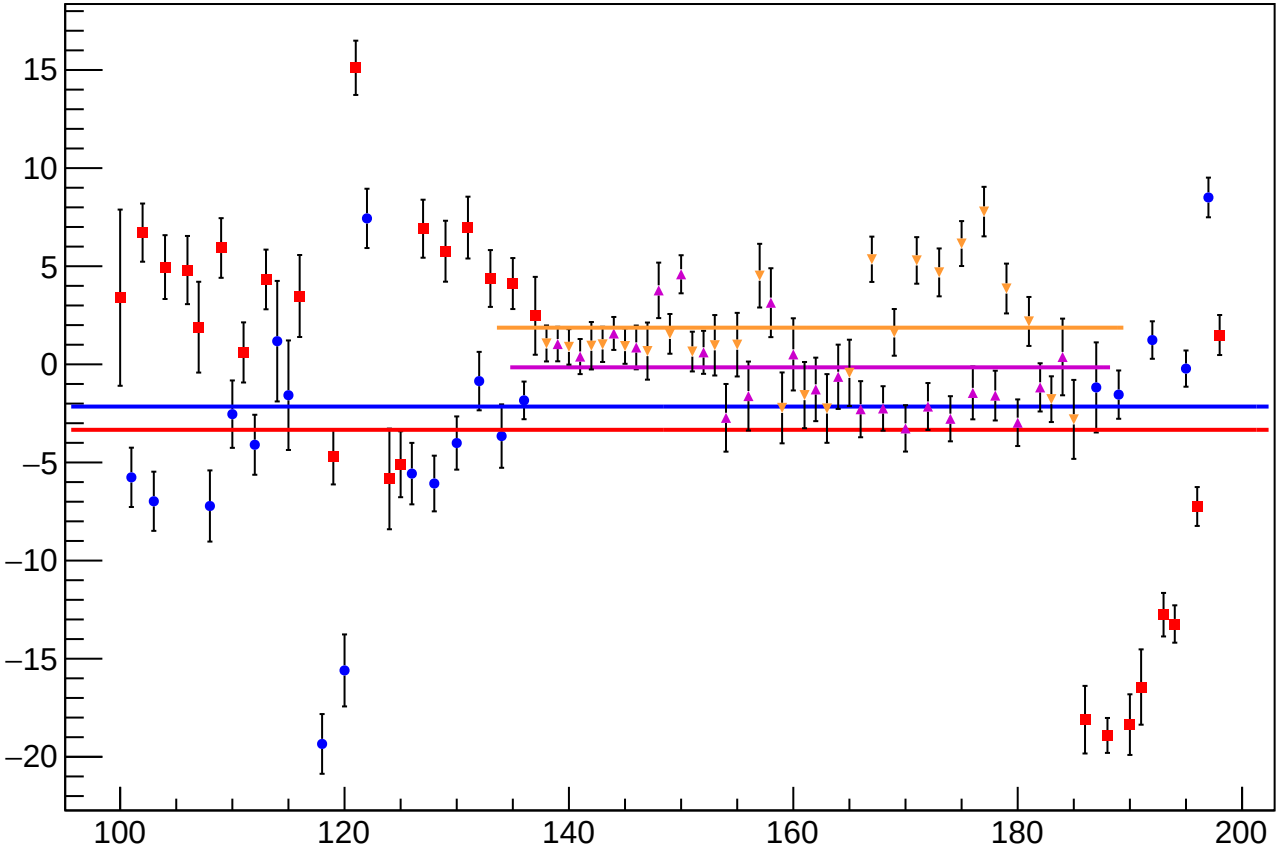
+ sign -8.654+/-1.793 χ^2/NDF: 280.1/45

All: 3.549+/-1.252 χ^2/NDF: 595.2/95

- sign 15.162+/-1.750 χ^2/NDF: 224.7/49


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
120
140
160
180
200
Right In: 9533.941+/-2.088 χ²/NDF: 306696.9/20
Left Out: 9831.301+/-1.596 χ²/NDF:356125.1/24
Right Out: 9344.839+/-1.862 χ²/NDF: 342217.5/26
Left In: 9910.300+/-1.655 χ²/NDF:389368.1/22
+ sign 9721.657+/-1.268 χ²/NDF: 675620.0/45
All: 9690.432+/-0.886 χ²/NDF: 1459899.6/95
- sign 9660.714+/-1.237 χ²/NDF: 783096.3/49

diff_bpm0l07Y_mean vs Slug



Right In: -2.151+/-0.304 χ^2/NDF: 392.6/20

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -3.336+/-0.275 χ^2/NDF: 1296.0/26

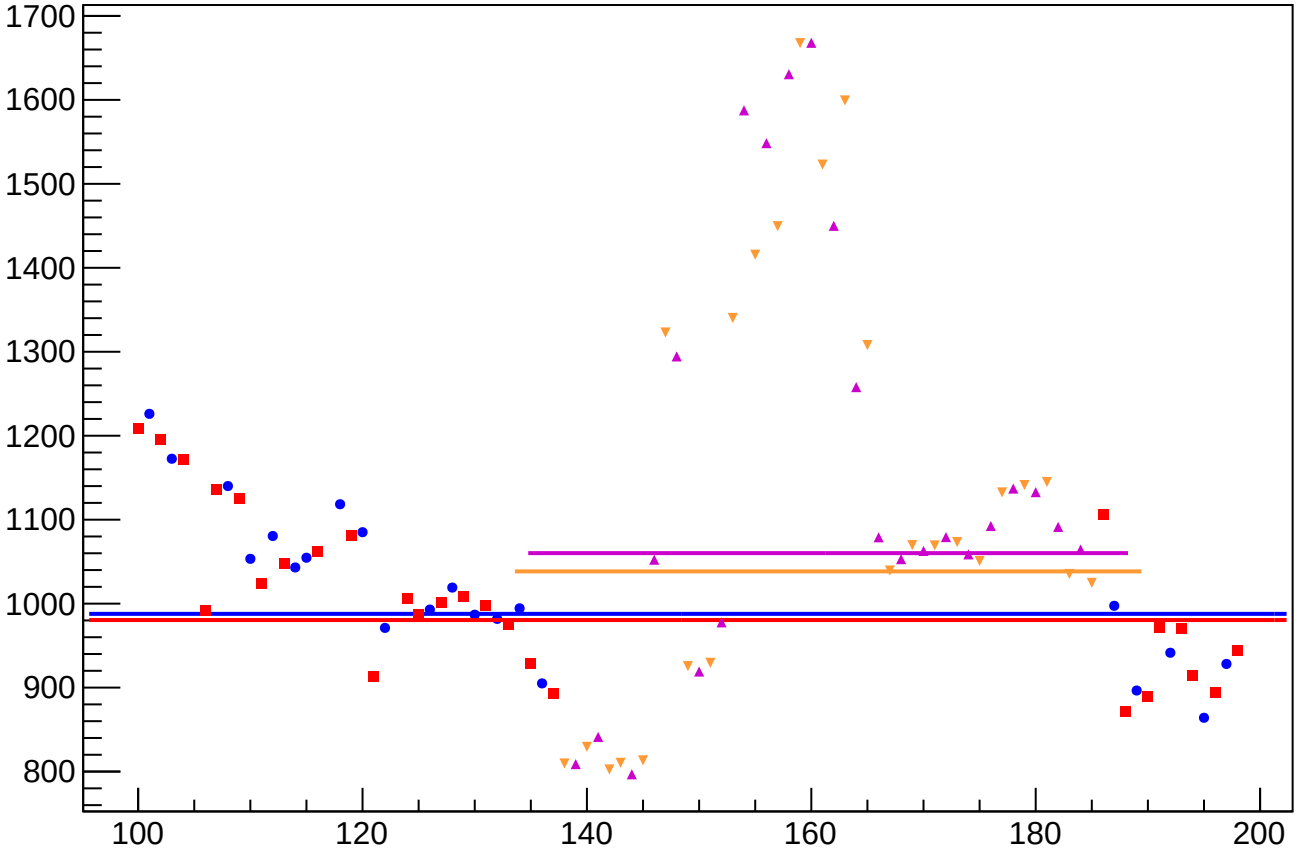
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.305+/-0.190 χ^2/NDF: 602.6/45

All: -0.674+/-0.133 χ^2/NDF: 2099.0/95

- sign -1.622+/-0.187 χ^2/NDF: 1444.0/49

diff_bpm0l07Y_rms vs Slug



Right In: 987.832+/-0.215 χ^2/NDF: 201119.5/20

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 980.458+/-0.194 χ^2/NDF: 209398.2/26

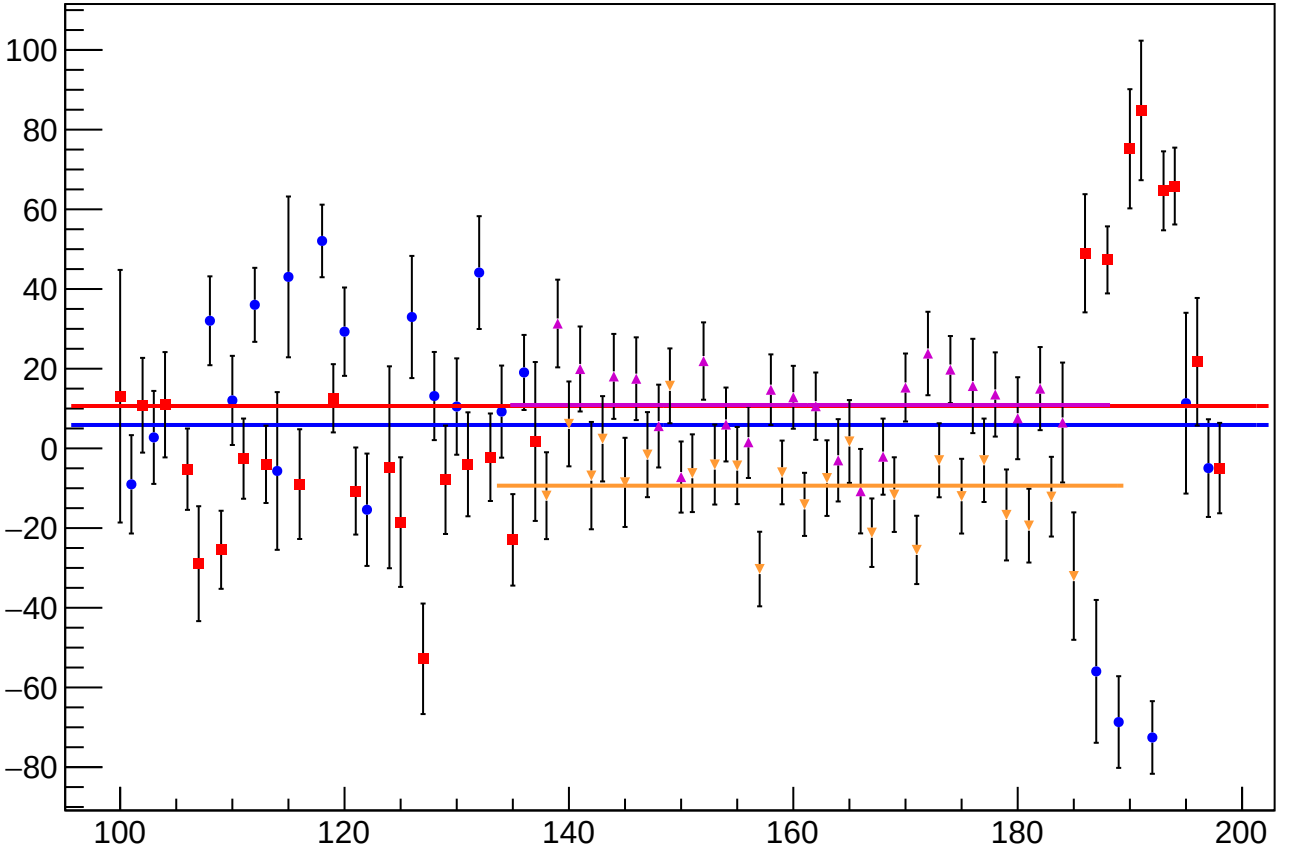
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1018.728+/-0.134 χ^2/NDF: 1941607.0/45

All: 1021.081+/-0.094 χ^2/NDF: 3765414.9/95

- sign 1023.361+/-0.132 χ^2/NDF: 1823201.8/49

diff_bpm0l08X_mean vs Slug



Right In: 5.877+/-2.617 χ^2/NDF: 195.9/20

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 10.639+/-2.321 χ^2/NDF: 198.2/26

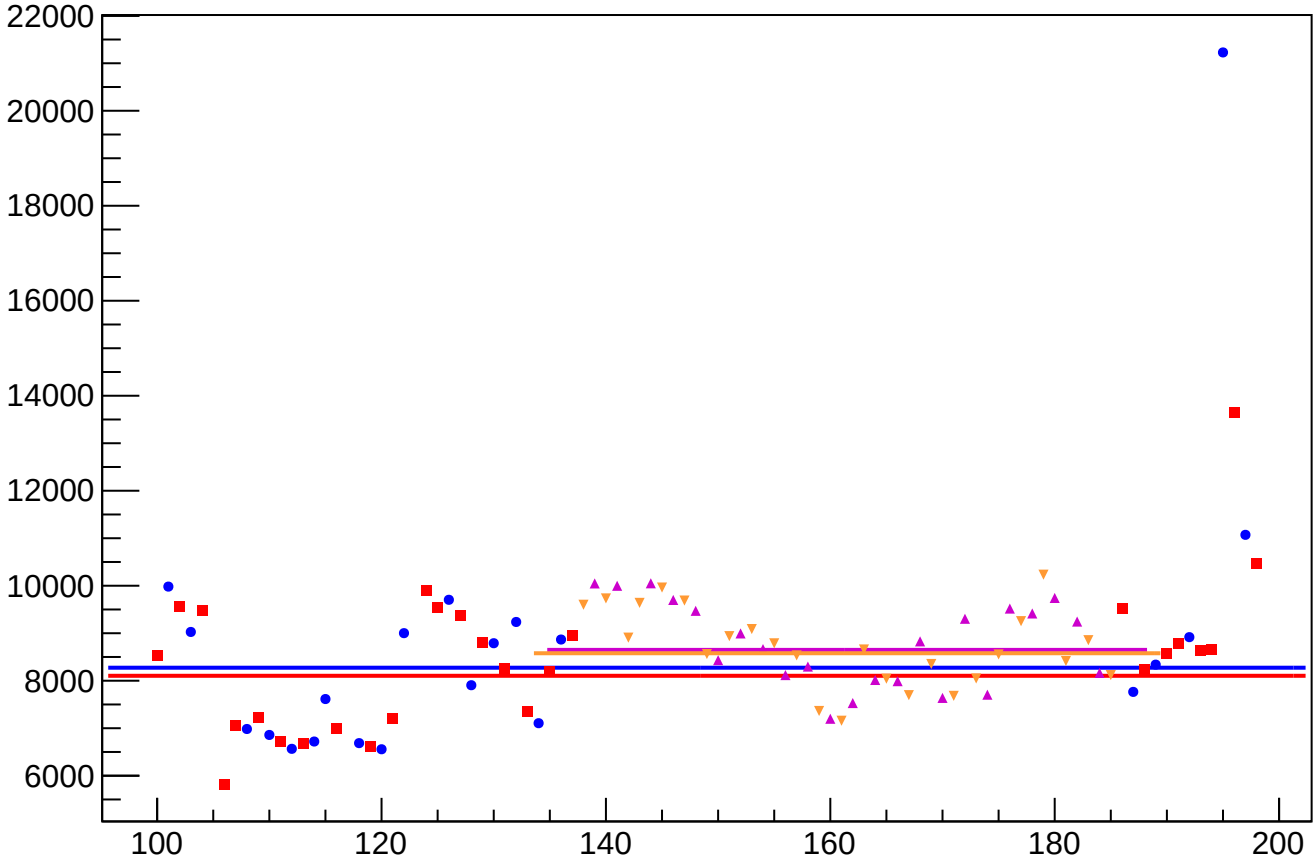
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.847+/-1.573 χ^2/NDF: 246.0/45

All: 3.656+/-1.098 χ^2/NDF: 512.2/95

- sign 10.782+/-1.533 χ^2/NDF: 221.8/49

diff_bpm0l08X_rms vs Slug



Right In: 8274.008+/-1.850 χ^2/NDF: 1130260.1/20

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8103.933+/-1.641 χ^2/NDF: 770838.3/26

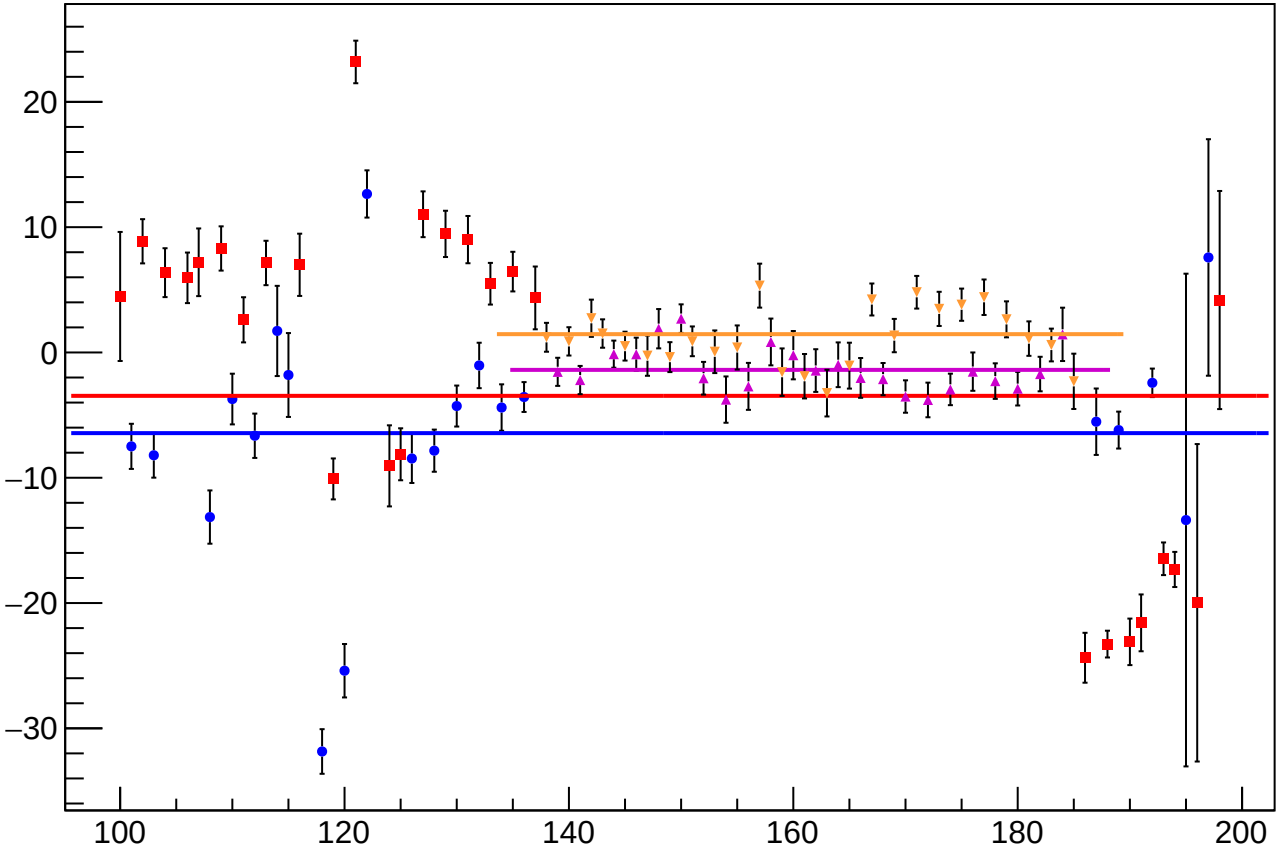
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8468.330+/-1.113 χ^2/NDF: 1491261.0/45

All: 8439.053+/-0.776 χ^2/NDF: 2703595.7/95

- sign 8411.247+/-1.084 χ^2/NDF: 1210984.5/49

diff_bpm0l08Y_mean vs Slug



Right In: -6.438+/-0.406 χ^2/NDF: 439.8/20

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.463+/-0.361 χ^2/NDF: 1556.7/26

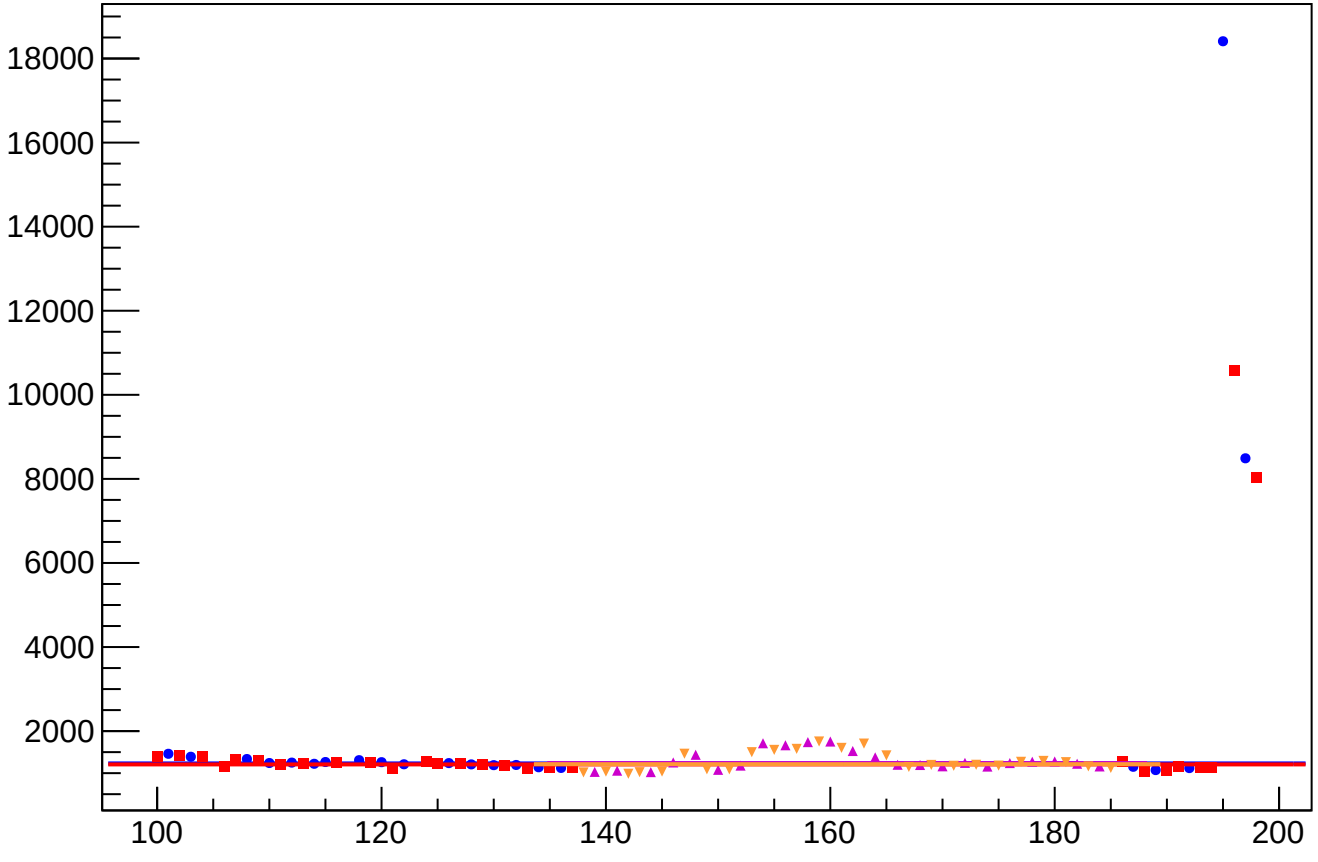
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.092+/-0.231 χ^2/NDF: 747.0/45

All: -1.662+/-0.162 χ^2/NDF: 2371.2/95

- sign -2.218+/-0.228 χ^2/NDF: 1612.1/49

diff_bpm0l08Y_rms vs Slug



Right In: 1231.563+/-0.287 χ^2/NDF: 2834790.1/20

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1207.725+/-0.255 χ^2/NDF: 2483291.4/26

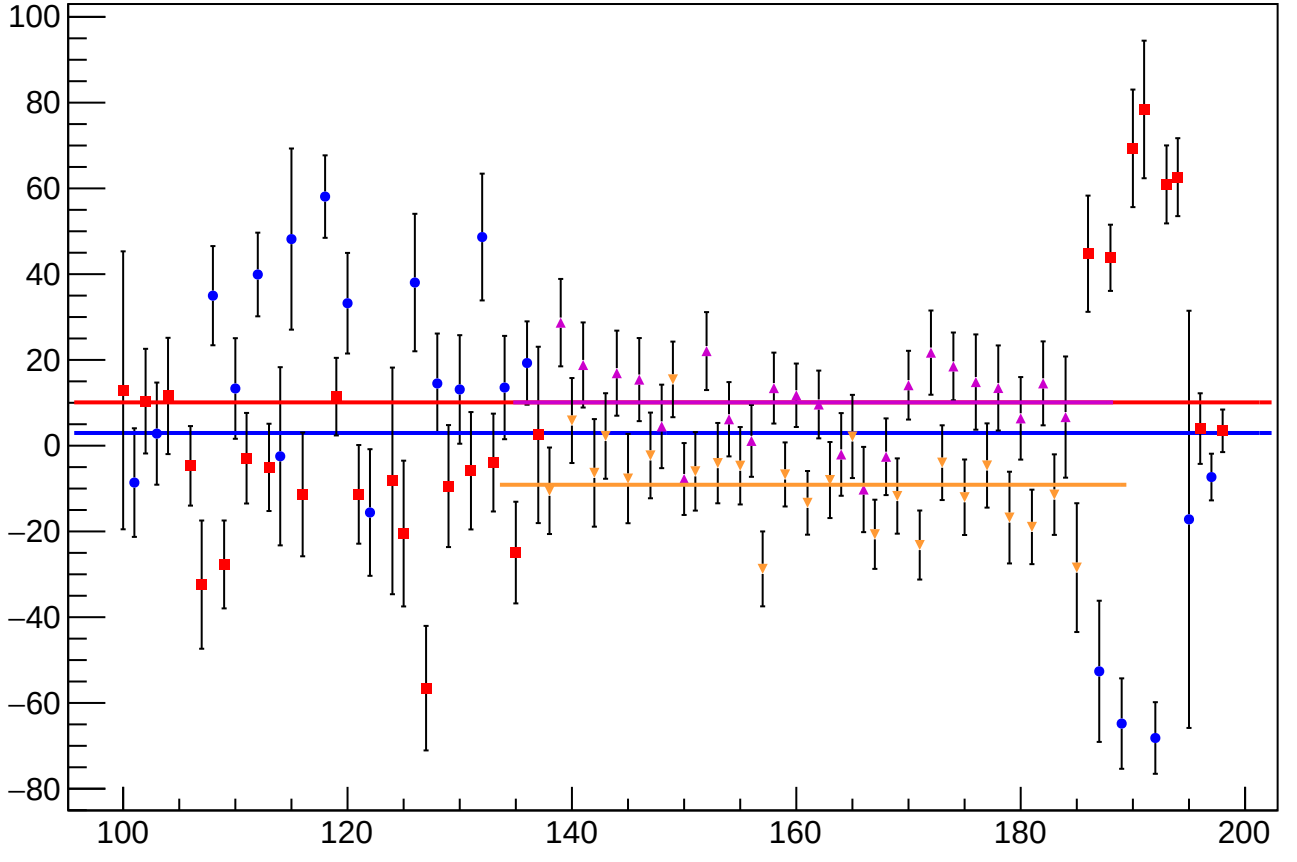
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1219.177+/-0.163 χ^2/NDF: 3850303.9/45

All: 1222.937+/-0.115 χ^2/NDF: 7229369.0/95

- sign 1226.607+/-0.161 χ^2/NDF: 3378016.1/49

diff_bpm0l09X_mean vs Slug



Right In: 2.960+/-2.451 χ^2/NDF: 217.9/20

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

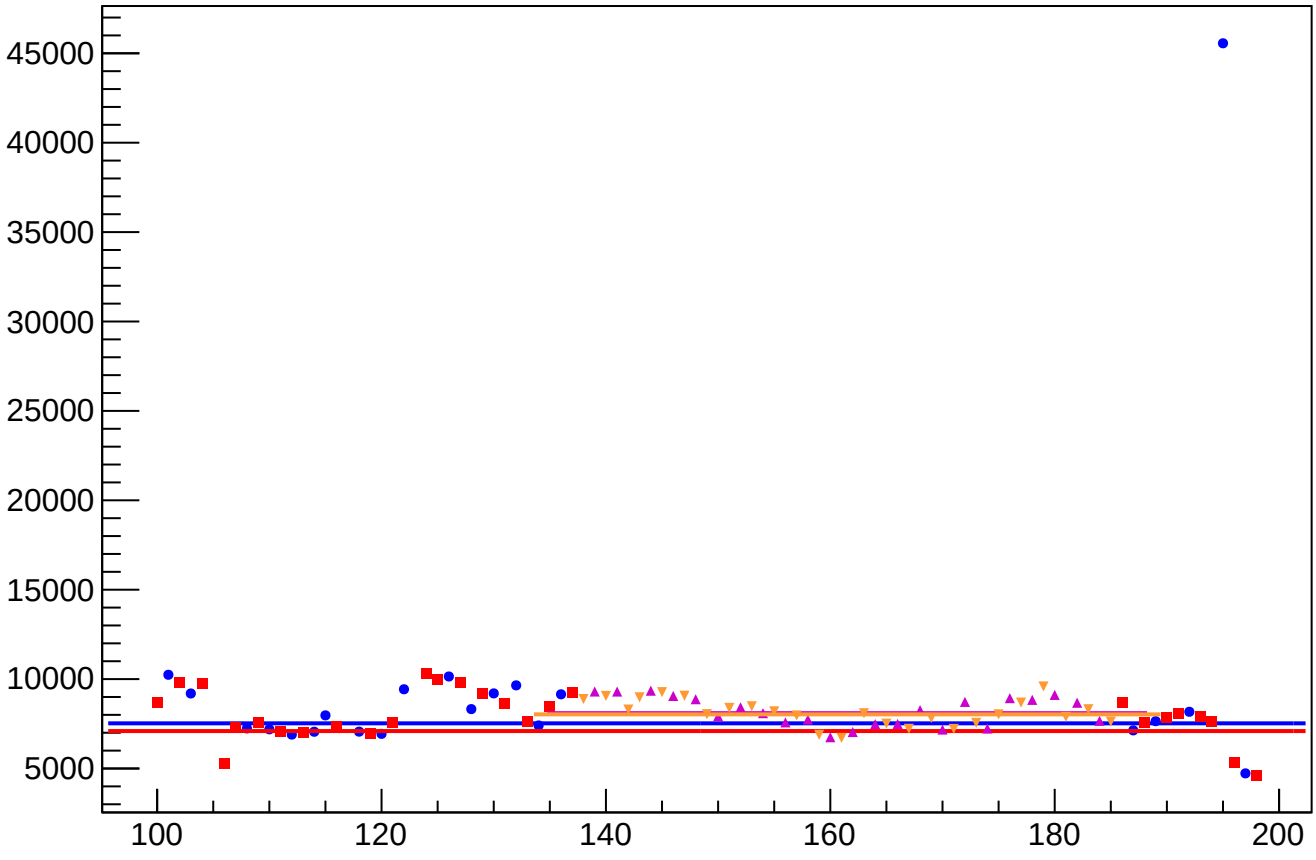
Right Out: 10.097+/-2.085 χ^2/NDF: 201.5/26

Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -4.754+/-1.473 χ^2/NDF: 262.2/45

All: 2.999+/-1.018 χ^2/NDF: 541.1/95

- sign 10.096+/-1.409 χ^2/NDF: 225.8/49



Right In: 7526.403+/-1.733 χ^2/NDF: 2146971.9/20

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7094.581+/-1.475 χ^2/NDF: 1216908.6/26

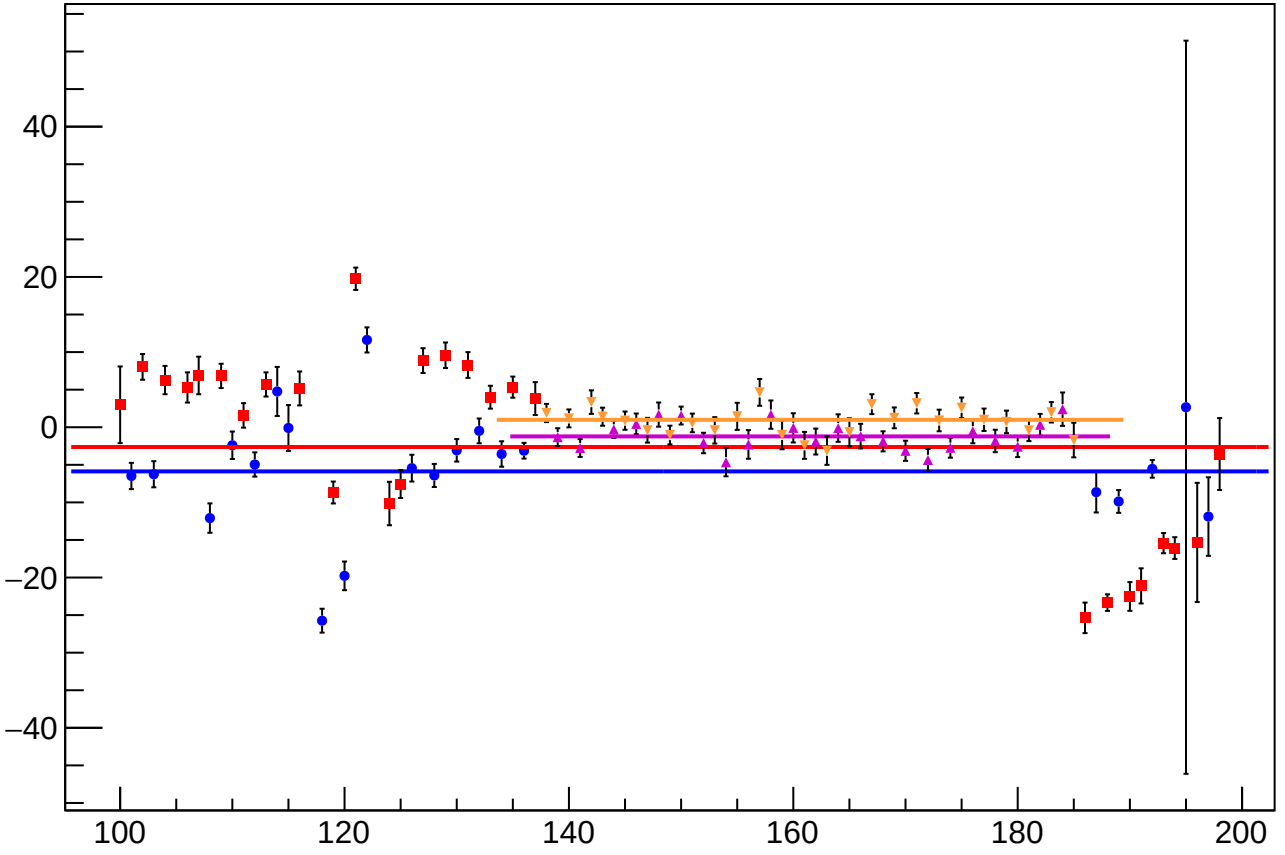
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 7846.897+/-1.041 χ^2/NDF: 2532972.3/45

All: 7738.074+/-0.720 χ^2/NDF: 4388603.5/95

- sign 7638.462+/-0.996 χ^2/NDF: 1834713.8/49

diff_bpm0l09Y_mean vs Slug



Right In: -5.877+/-0.378 χ^2/NDF: 380.0/20

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -2.632+/-0.342 χ^2/NDF: 1458.7/26

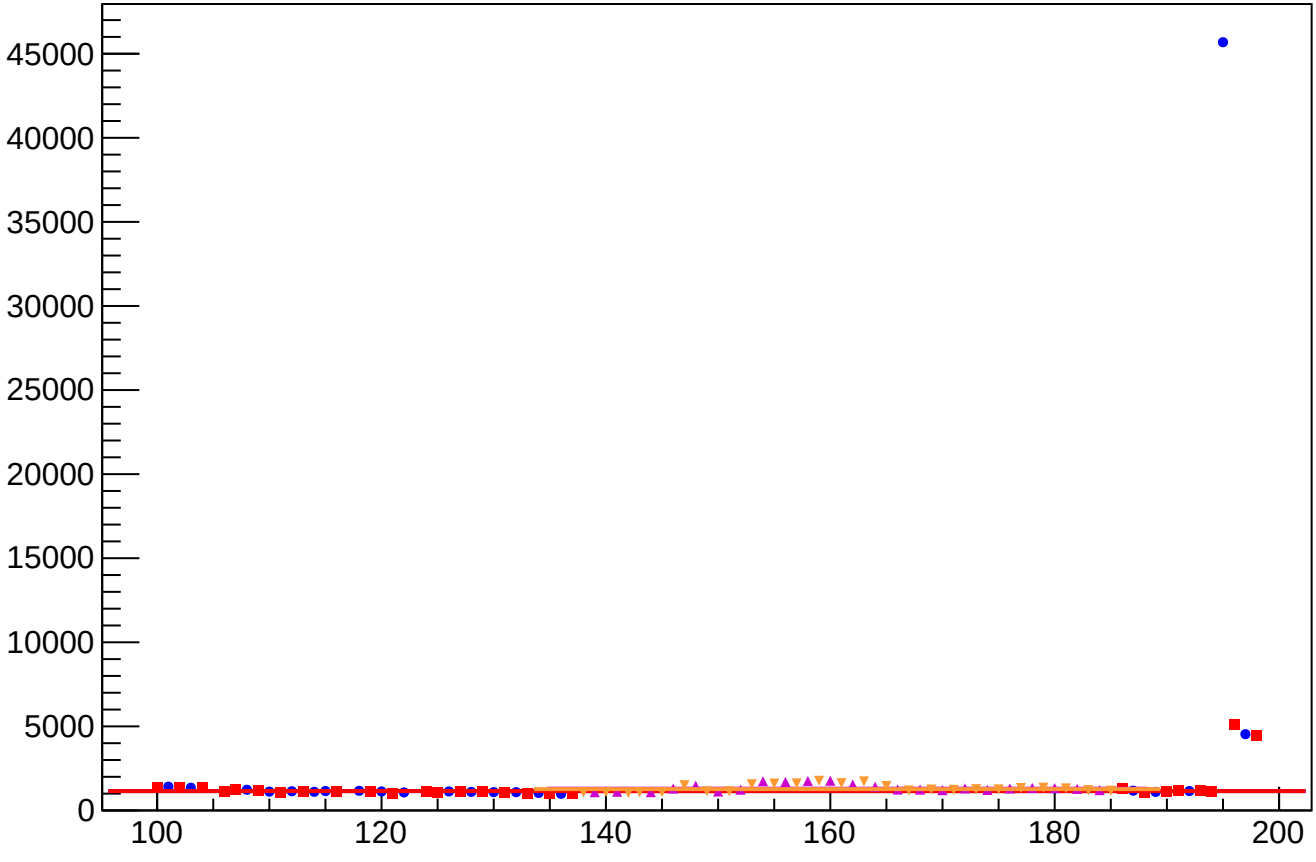
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.577+/-0.231 χ^2/NDF: 617.1/45

All: -1.715+/-0.162 χ^2/NDF: 2119.0/95

- sign -1.849+/-0.228 χ^2/NDF: 1501.3/49

diff_bpm0l09Y_rms vs Slug



Right In: 1150.145+/-0.268 χ^2/NDF: 2655799.3/20

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1151.818+/-0.242 χ^2/NDF: 1620281.4/26

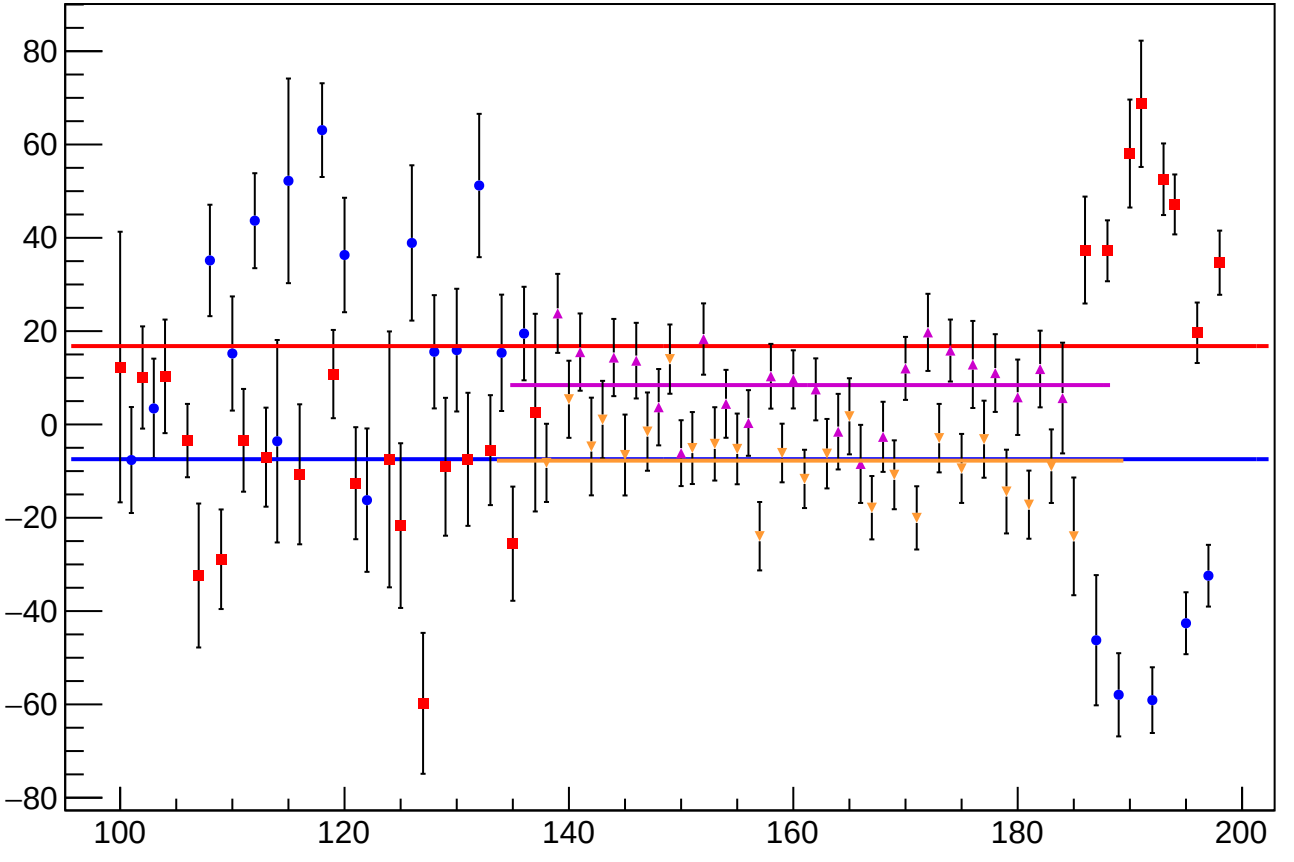
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1223.580+/-0.164 χ^2/NDF: 3654480.7/45

All: 1227.178+/-0.115 χ^2/NDF: 6225822.8/95

- sign 1230.681+/-0.161 χ^2/NDF: 2570387.4/49

diff_bpm0l10X_mean vs Slug



Right In: -7.444+/-2.324 χ^2/NDF: 287.7/20

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 16.796+/-2.001 χ^2/NDF: 198.6/26

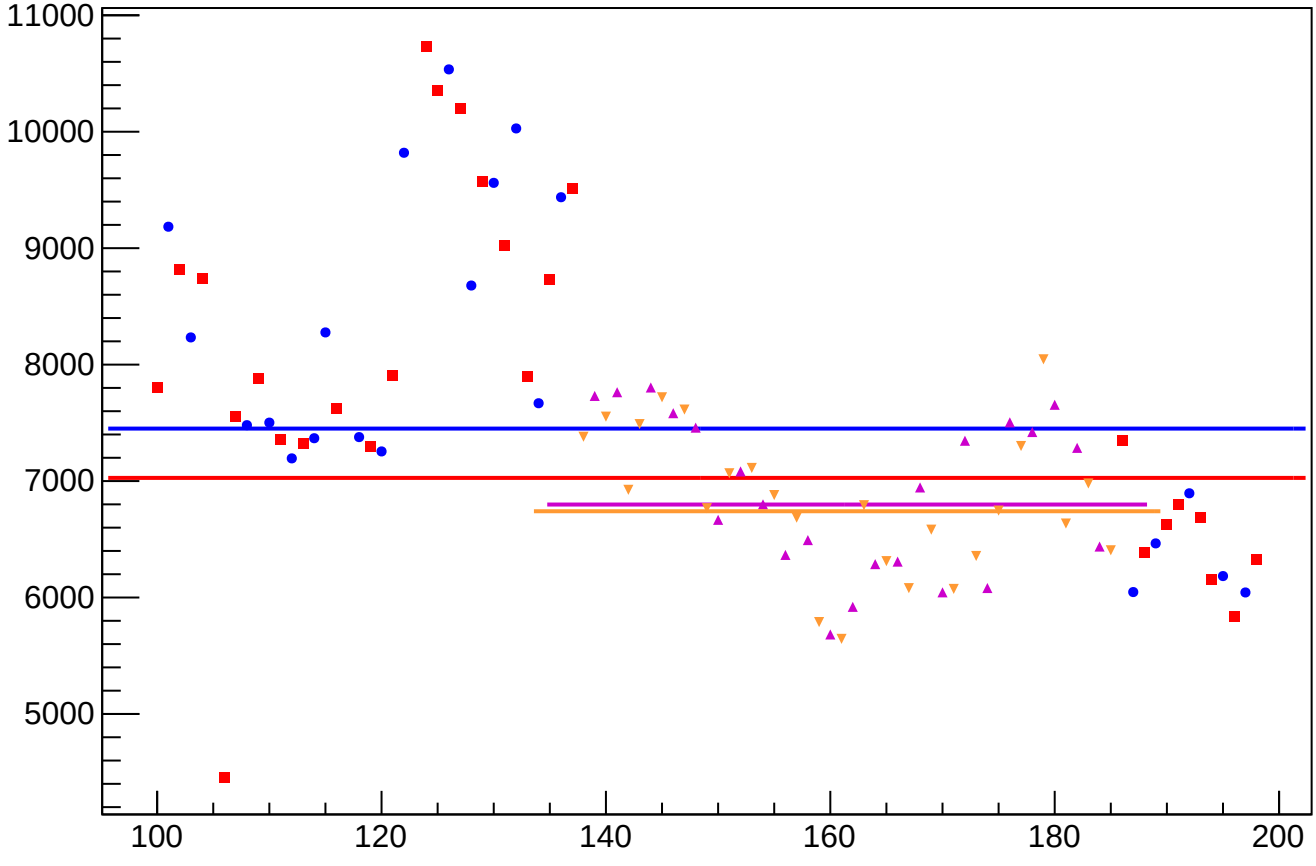
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

\+ sign -7.658+/-1.288 χ^2/NDF: 318.1/45

All: 2.299+/-0.898 χ^2/NDF: 668.5/95

\- sign 11.710+/-1.252 χ^2/NDF: 234.1/49

diff_bpm0l10X_rms vs Slug



Right In: 7450.697+/-1.644 χ^2/NDF: 606343.6/20

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7027.232+/-1.415 χ^2/NDF: 866773.6/26

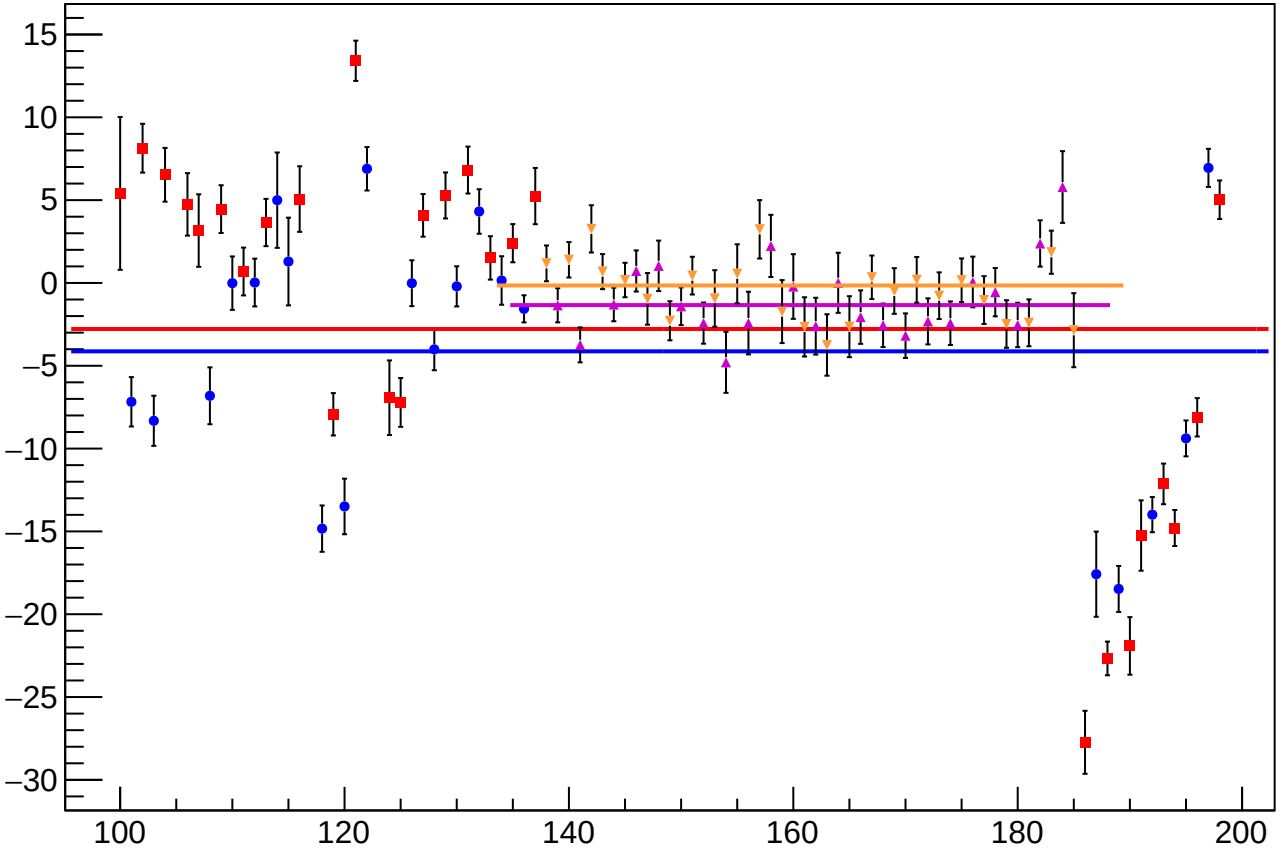
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6958.675+/-0.910 χ^2/NDF: 1052346.0/45

All: 6922.366+/-0.635 χ^2/NDF: 2291394.8/95

- sign 6888.051+/-0.885 χ^2/NDF: 1235955.5/49

diff_bpm0l10Y_mean vs Slug



Right In: -4.129+/-0.297 χ^2/NDF: 617.4/20

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -2.779+/-0.276 χ^2/NDF: 1505.7/26

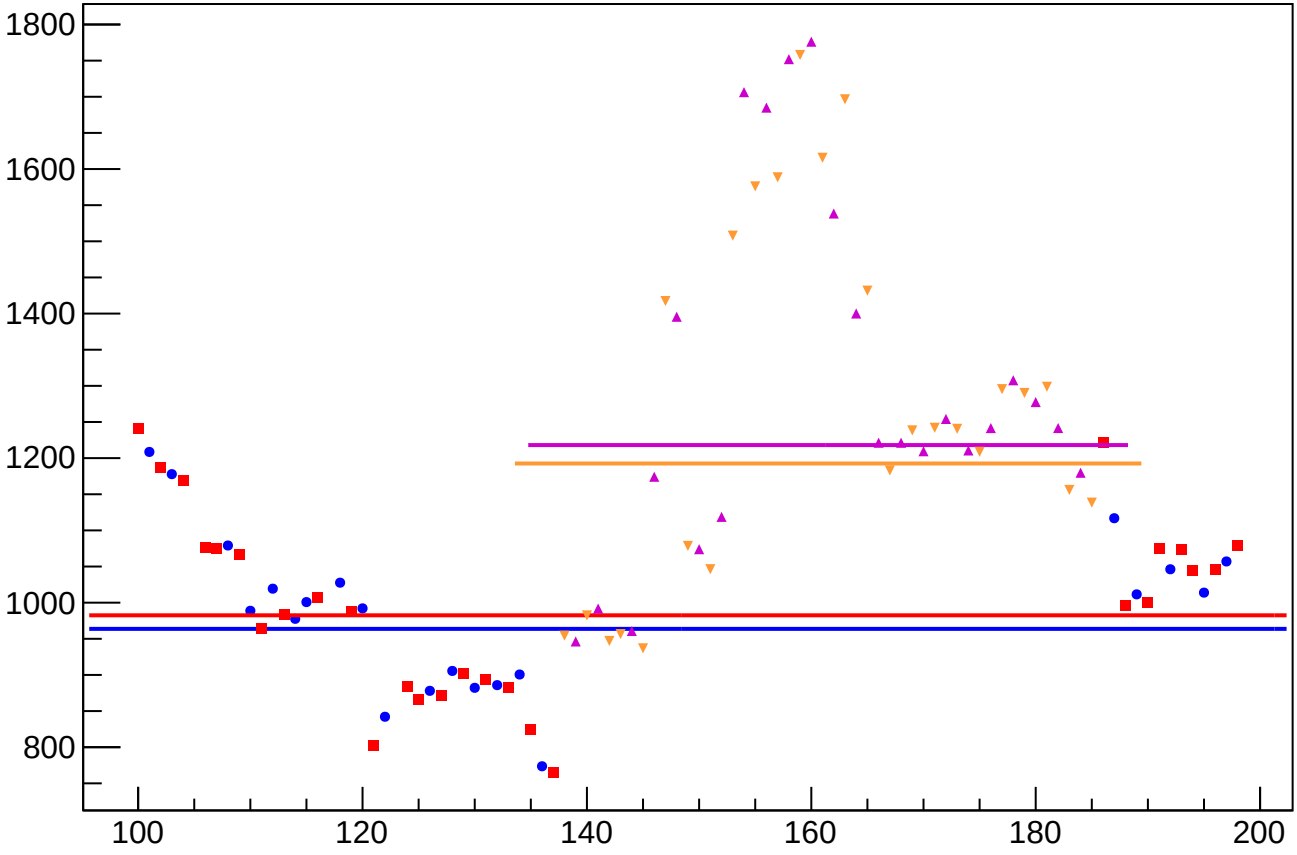
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.998+/-0.203 χ^2/NDF: 749.3/45

All: -2.046+/-0.142 χ^2/NDF: 2312.1/95

- sign -2.094+/-0.200 χ^2/NDF: 1562.7/49

diff_bpm0l10Y_rms vs Slug



Right In: 963.748+/-0.210 χ^2/NDF: 306796.3/20

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 982.518+/-0.195 χ^2/NDF: 332920.3/26

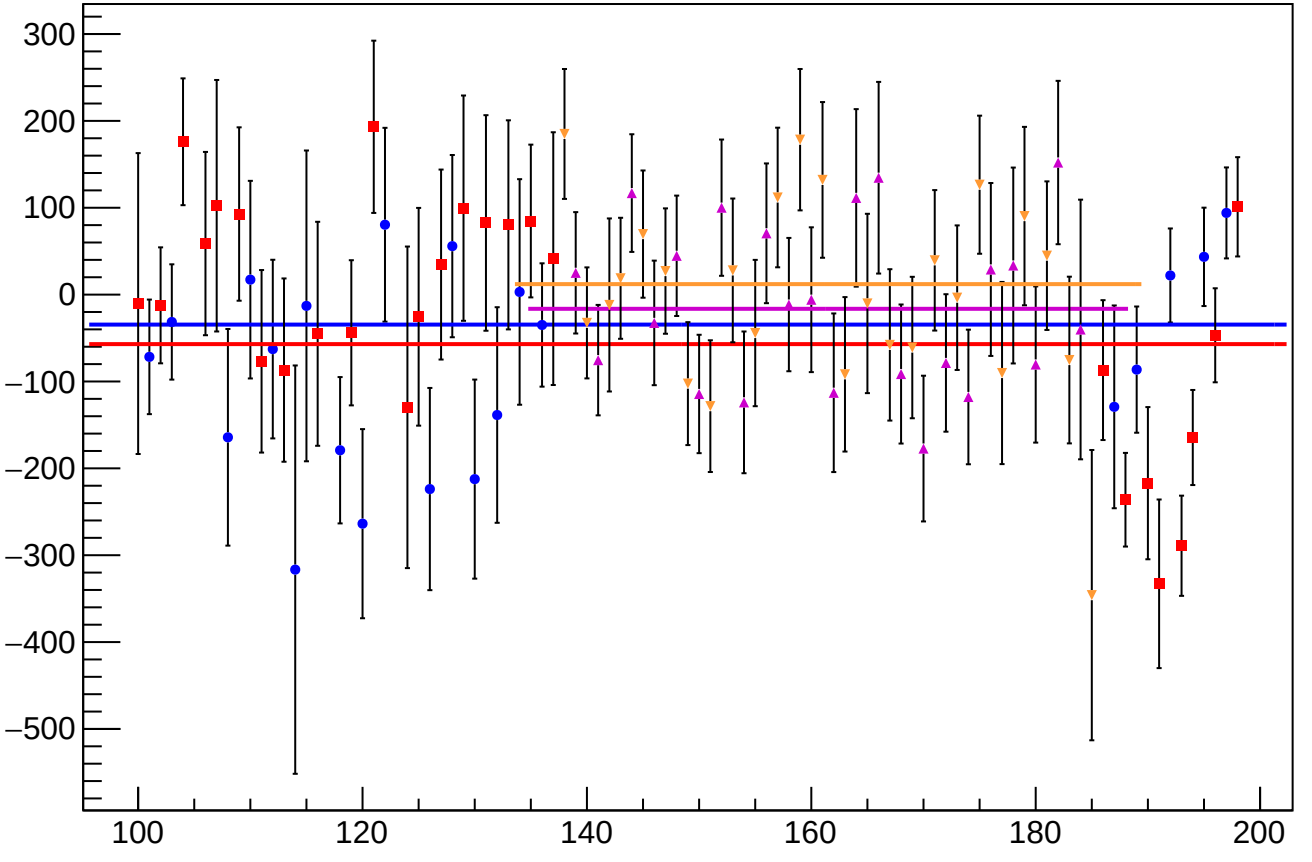
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1086.396+/-0.143 χ^2/NDF: 2261673.8/45

All: 1090.453+/-0.101 χ^2/NDF: 4415957.7/95

- sign 1094.406+/-0.141 χ^2/NDF: 2152700.4/49

diff_bpm0r03X_mean vs Slug



Right In: -34.505+/-18.594 χ^2/NDF: 28.3/20

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: -56.977+/-16.369 χ^2/NDF: 80.2/26

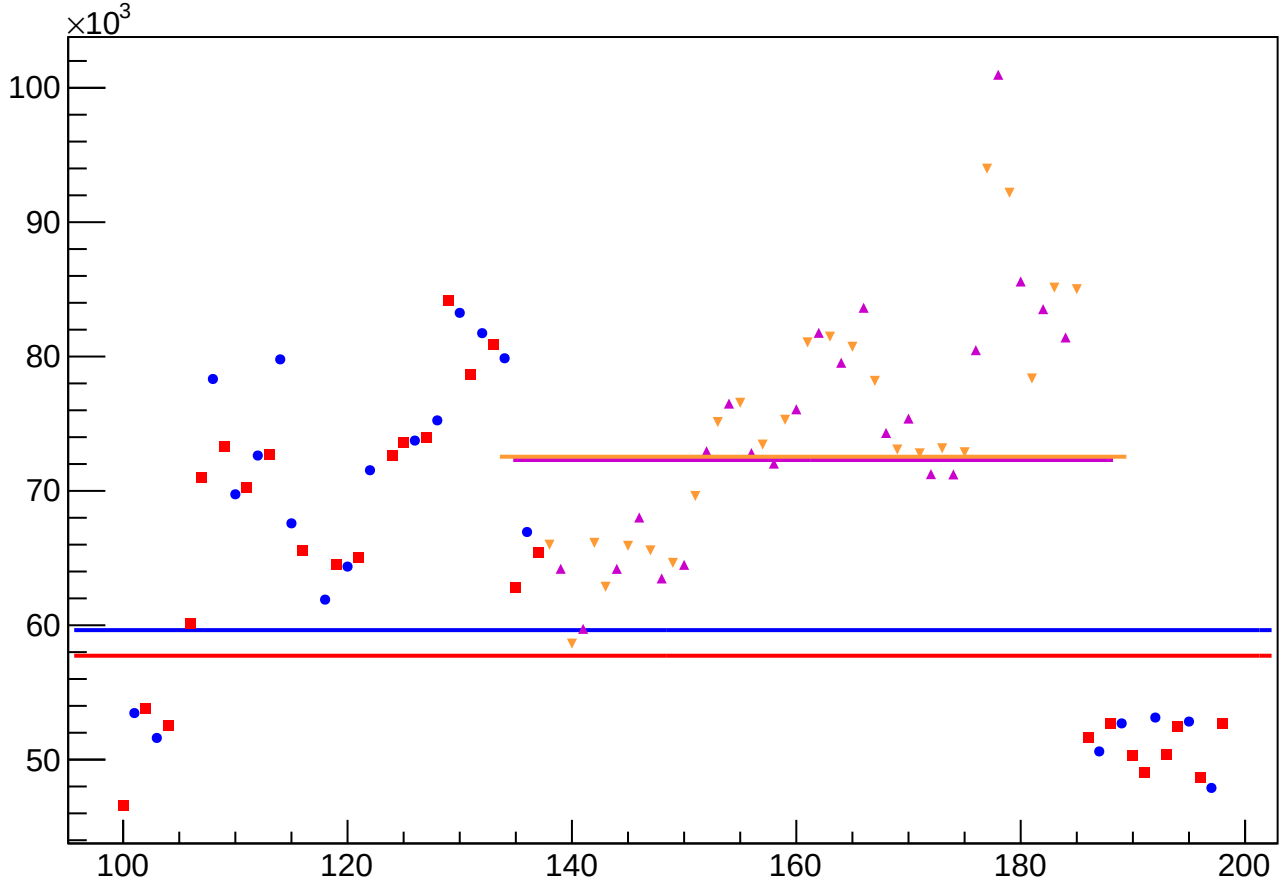
Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

\+ sign -8.592+/-12.386 χ^2/NDF: 64.6/45

All: -23.722+/-8.543 χ^2/NDF: 179.4/95

\- sign -37.447+/-11.797 χ^2/NDF: 111.9/49

diff_bpm0r03X_rms vs Slug



Right In: 59637.114+/-13.148 χ^2/NDF: 666491.0/20

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 57732.216+/-11.575 χ^2/NDF: 689643.4/26

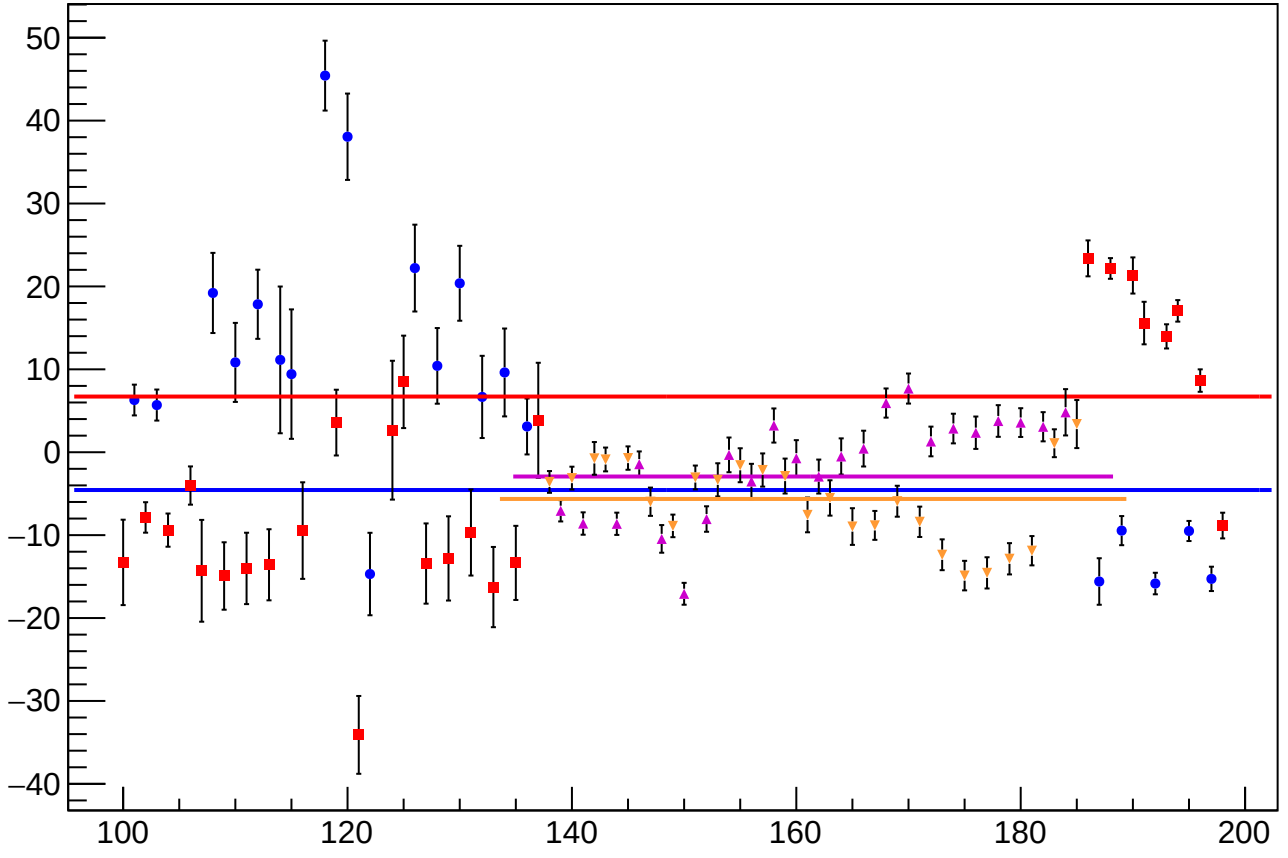
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 66816.528+/-8.758 χ^2/NDF: 1702624.7/45

All: 65724.247+/-6.041 χ^2/NDF: 3672037.6/9

- sign 64733.388+/-8.342 χ^2/NDF: 1939751.2/49

diff_bpm0r03Y_mean vs Slug



Right In: -4.557+/-0.545 χ^2/NDF: 599.0/20

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 6.716+/-0.465 χ^2/NDF: 879.4/26

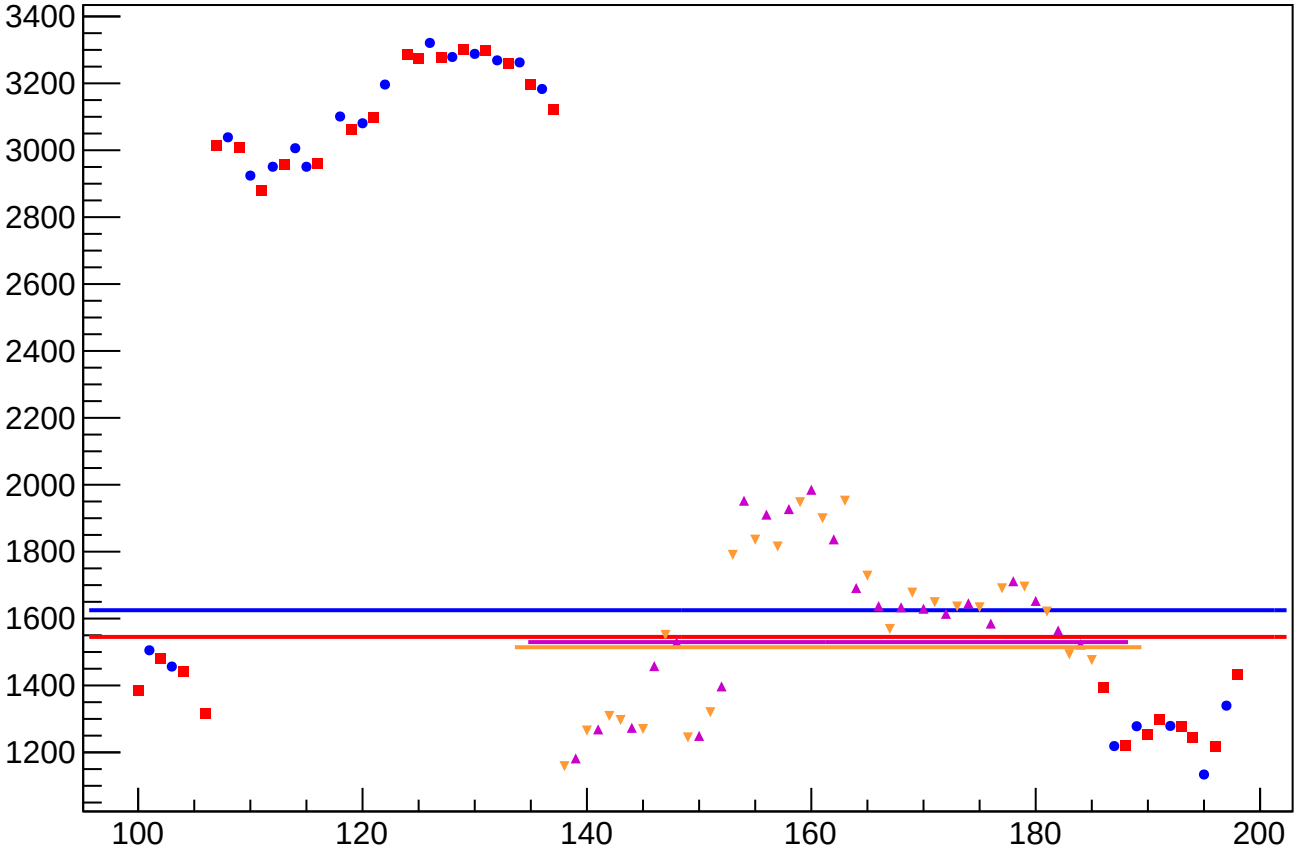
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -5.322+/-0.294 χ^2/NDF: 779.9/45

All: -2.219+/-0.205 χ^2/NDF: 2481.3/95

- sign 0.714+/-0.286 χ^2/NDF: 1484.5/49

diff_bpm0r03Y_rms vs Slug



Right In: 1624.903+/-0.385 χ^2/NDF: 3500388.7/20

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1545.133+/-0.329 χ^2/NDF: 3571268.2/26

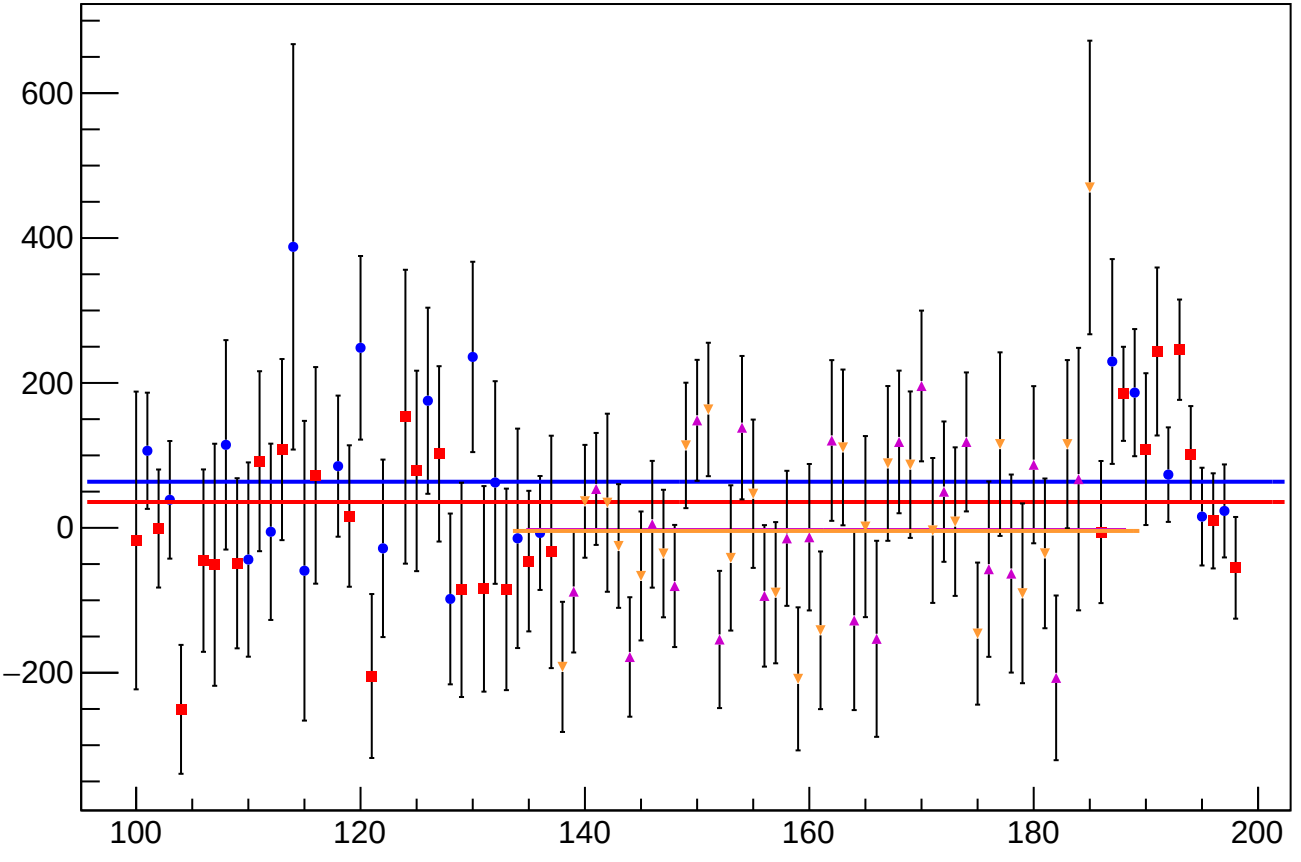
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1546.505+/-0.208 χ^2/NDF: 4492119.0/45

All: 1540.843+/-0.145 χ^2/NDF: 8894695.9/95

- sign 1535.489+/-0.202 χ^2/NDF: 4401132.5/49

diff_bpm0r05X_mean vs Slug



Right In: 63.647+/-21.962 χ^2/NDF: 15.6/20

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

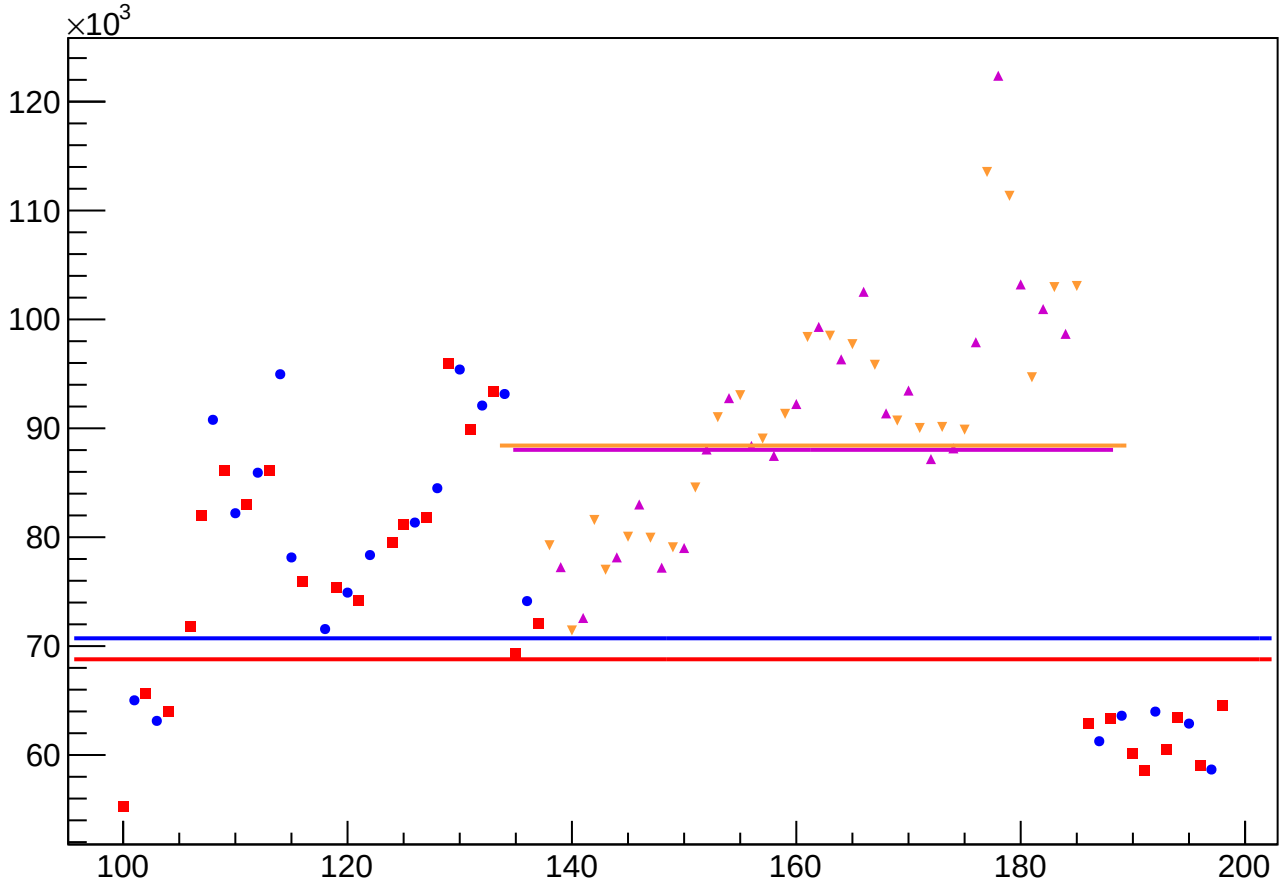
Right Out: 35.677+/-19.448 χ^2/NDF: 41.9/26

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 26.920+/-14.883 χ^2/NDF: 51.2/45

All: 22.010+/-10.267 χ^2/NDF: 125.9/95

- sign 17.554+/-14.180 χ^2/NDF: 74.5/49



Right In: 70716.830+/-15.530 χ^2/NDF: 486625.8/20

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 68789.465+/-13.752 χ^2/NDF: 521359.4/26

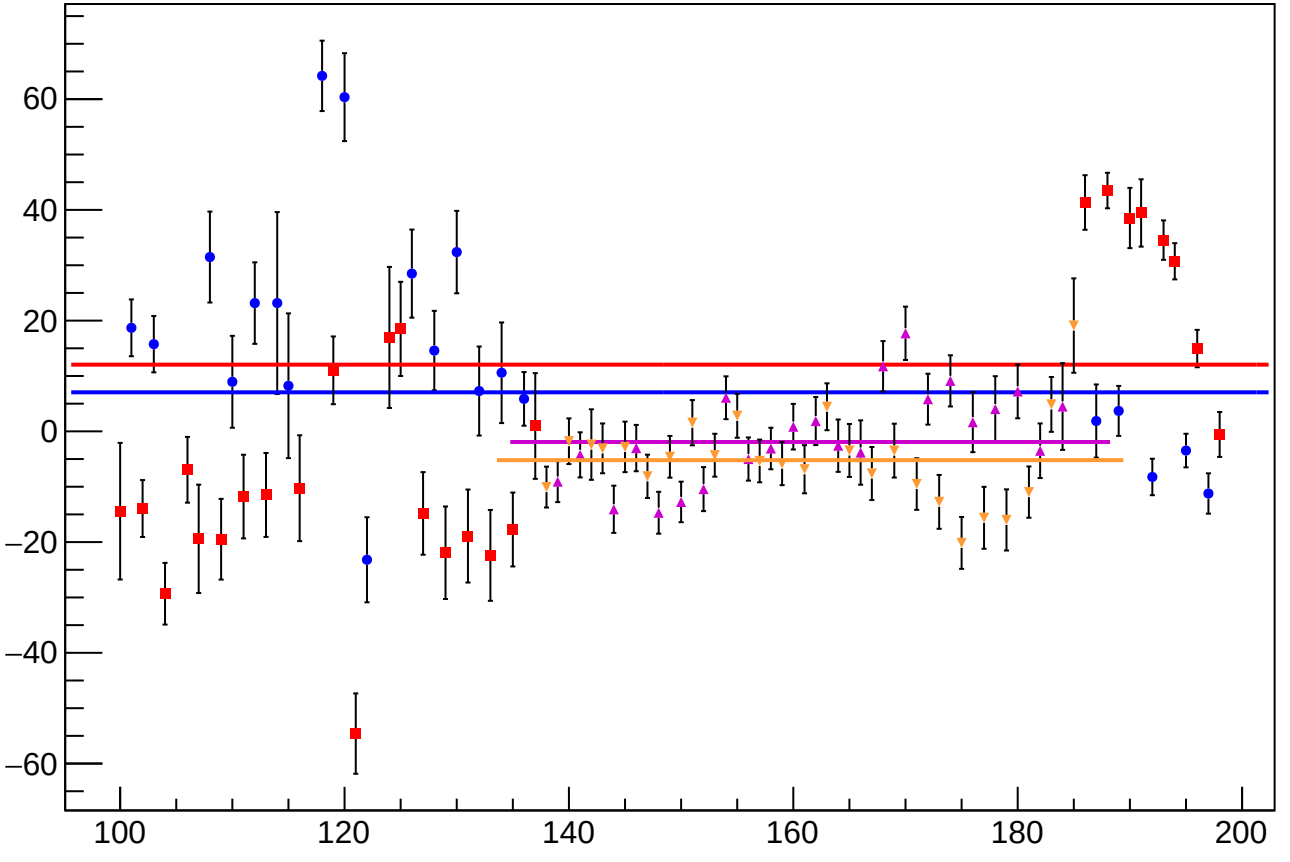
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 80288.541+/-10.524 χ^2/NDF: 1671116.9/45

All: 78983.182+/-7.260 χ^2/NDF: 3622877.1/9

- sign 77798.270+/-10.027 χ^2/NDF: 1922410.9/49

diff_bpm0r05Y_mean vs Slug



Right In: 7.049+/-1.228 χ^2/NDF: 244.3/20

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

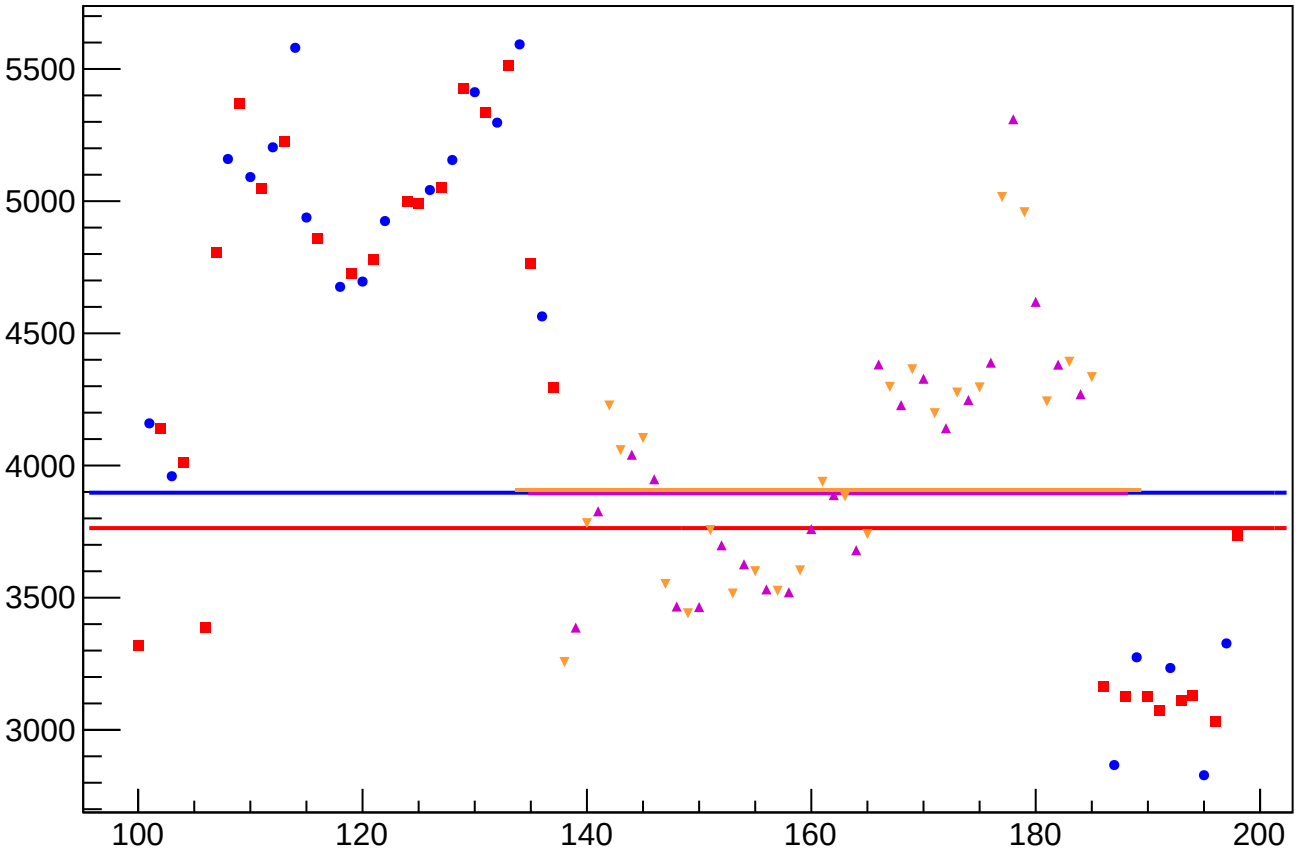
Right Out: 12.046+/-1.078 χ^2/NDF: 575.0/26

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.960+/-0.723 χ^2/NDF: 360.4/45

All: 1.572+/-0.502 χ^2/NDF: 1139.8/95

- sign 3.936+/-0.698 χ^2/NDF: 755.7/49



Right In: 3897.170+/-0.868 χ^2/NDF: 1096321.4/20

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

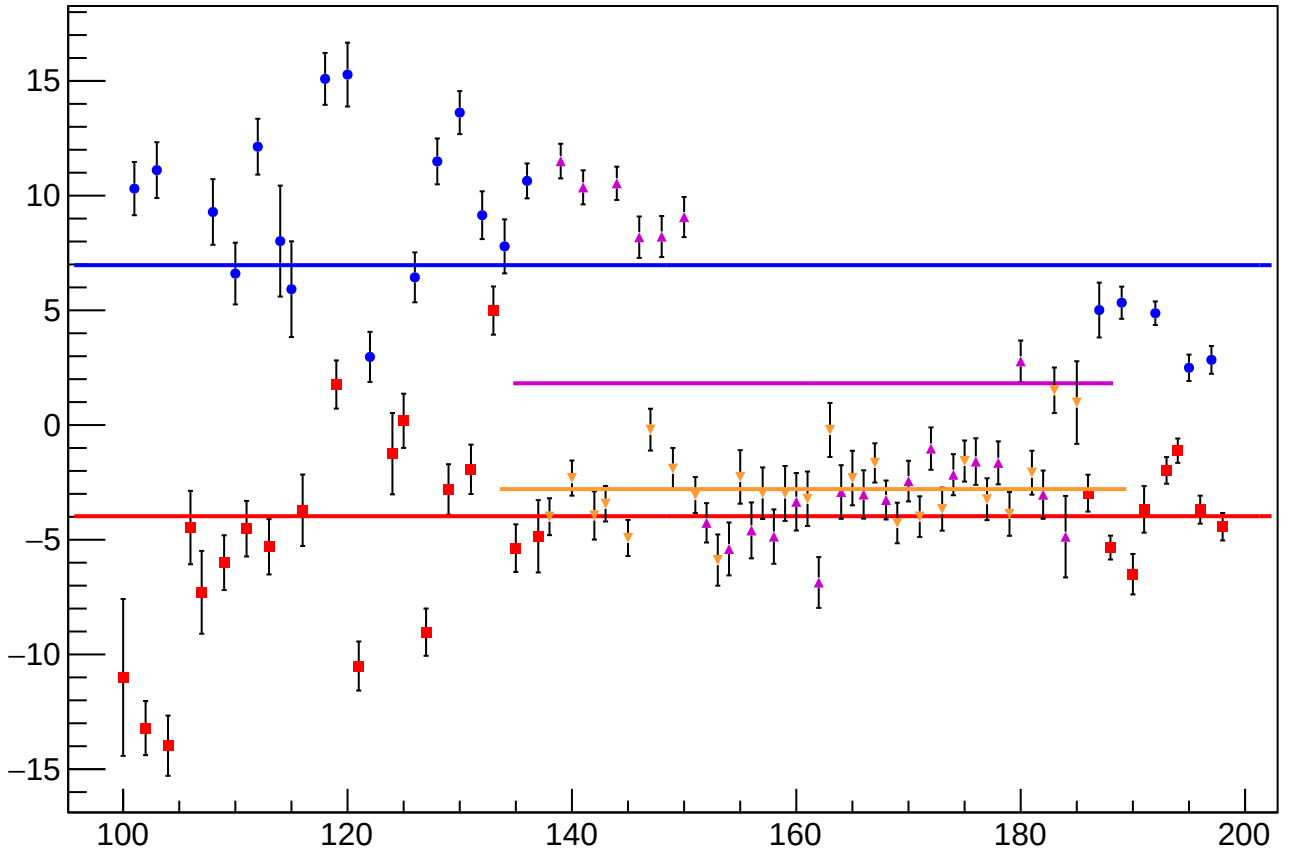
Right Out: 3763.299+/-0.762 χ^2/NDF: 1201037.5/26

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3903.898+/-0.511 χ^2/NDF: 1537615.8/45

All: 3870.754+/-0.355 χ^2/NDF: 3174063.3/95

- sign 3839.817+/-0.494 χ^2/NDF: 1628312.4/49



Right In: 6.969+/-0.203 χ^2/NDF: 372.7/20

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -3.974+/-0.177 χ^2/NDF: 375.4/26

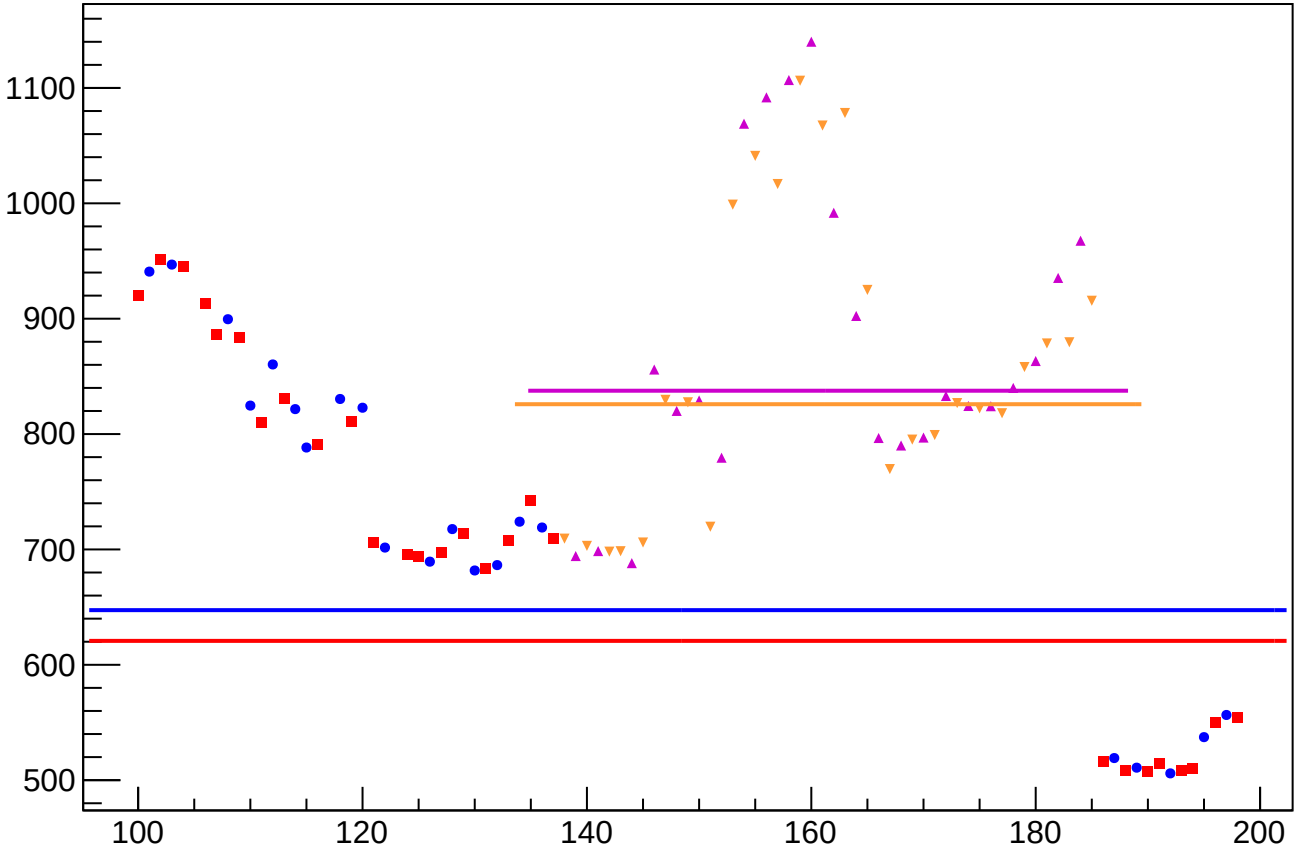
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.773+/-0.139 χ^2/NDF: 1674.7/45

All: 0.112+/-0.096 χ^2/NDF: 3824.4/95

- sign -1.397+/-0.132 χ^2/NDF: 1876.0/49

diff_bpm2i01X_rms vs Slug



Right In: 647.381+/-0.143 χ^2/NDF: 929637.1/20

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 620.742+/-0.125 χ^2/NDF: 1201086.8/26

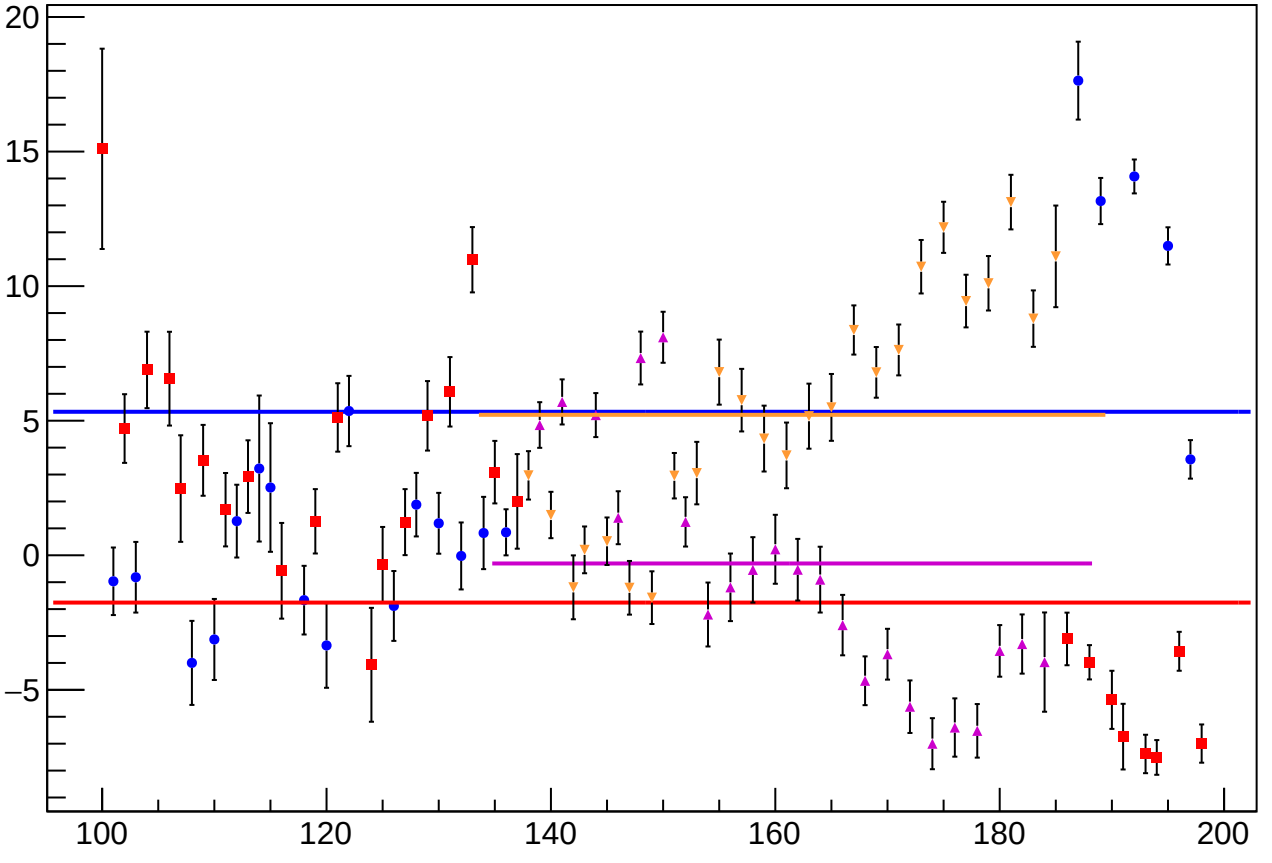
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 742.407+/-0.098 χ^2/NDF: 2519588.7/45

All: 729.196+/-0.068 χ^2/NDF: 5798726.5/95

- sign 717.196+/-0.093 χ^2/NDF: 3244500.5/49

diff_bpm2i01Y_mean vs Slug



Right In: 5.332+/-0.238 χ^2/NDF: 729.8/20

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -1.757+/-0.210 χ^2/NDF: 631.5/26

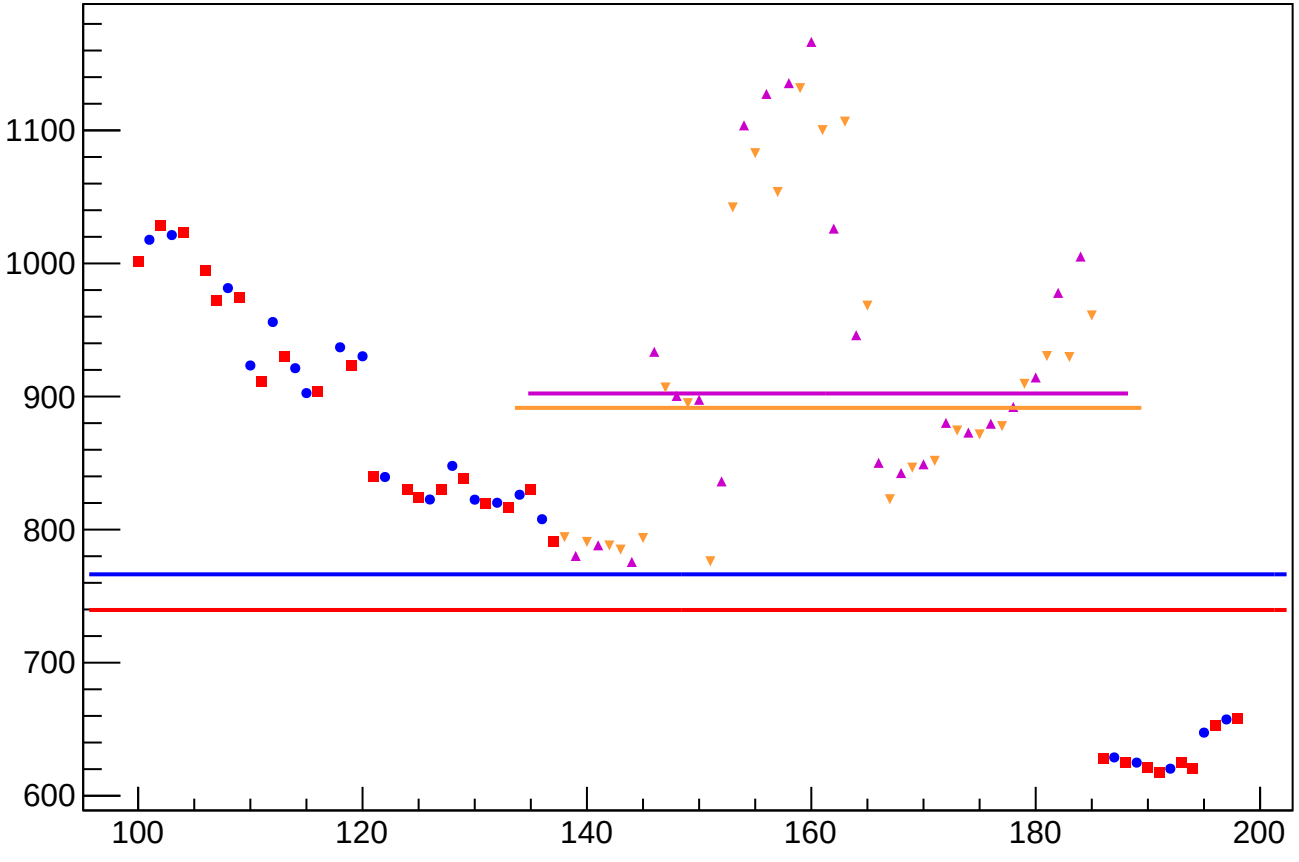
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 5.267+/-0.155 χ^2/NDF: 1179.9/45

All: 1.993+/-0.108 χ^2/NDF: 3187.8/95

- sign -1.040+/-0.149 χ^2/NDF: 1150.4/49

diff_bpm2i01Y_rms vs Slug



Right In: 766.395+/-0.169 χ^2/NDF: 647615.9/20

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 739.604+/-0.148 χ^2/NDF: 848121.5/26

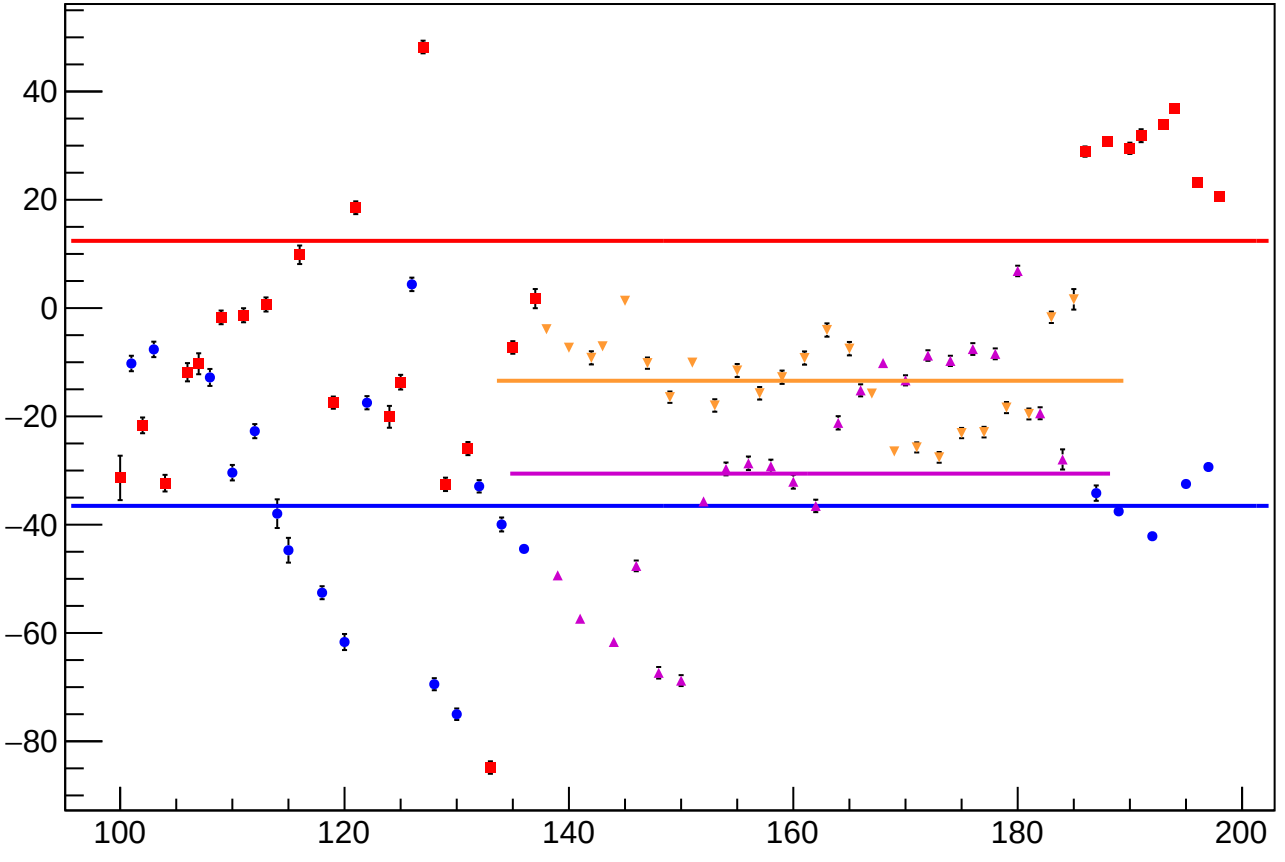
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

\+ sign 838.513+/-0.110 χ^2/NDF: 1482757.9/45

All: 828.840+/-0.076 χ^2/NDF: 3423750.3/95

\- sign 819.876+/-0.106 χ^2/NDF: 1926017.4/49

diff_bpm2i02X_mean vs Slug



Right In: -36.524+/-0.233 χ^2/NDF: 5416.1/20

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 12.416+/-0.205 χ^2/NDF: 18742.2/26

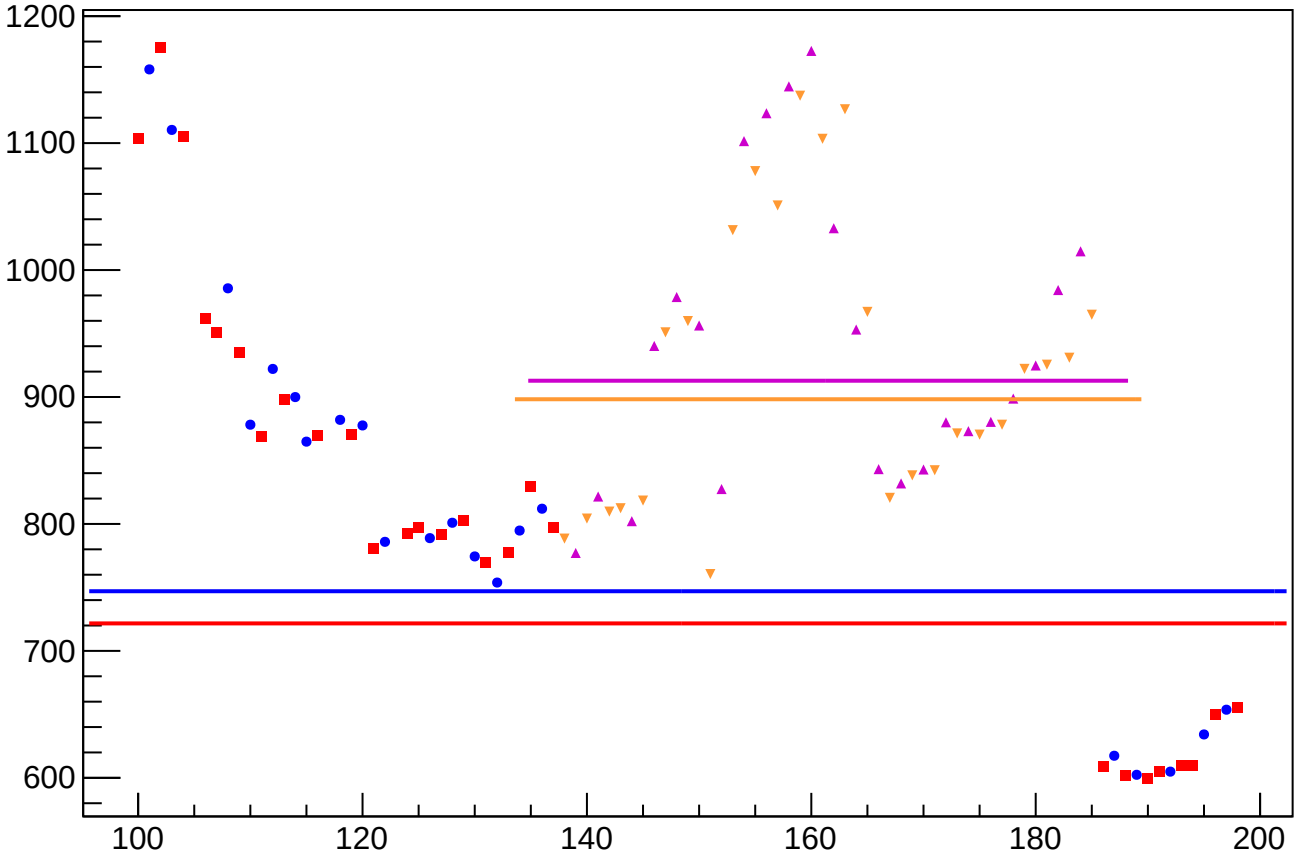
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -23.557+/-0.154 χ^2/NDF: 12600.6/45

All: -15.504+/-0.107 χ^2/NDF: 67887.5/95

\- sign -8.048+/-0.148 χ^2/NDF: 50040.9/49

diff_bpm2i02X_rms vs Slug



Right In: 746.999+/-0.165 χ^2/NDF: 746553.5/20

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 721.653+/-0.145 χ^2/NDF: 934852.5/26

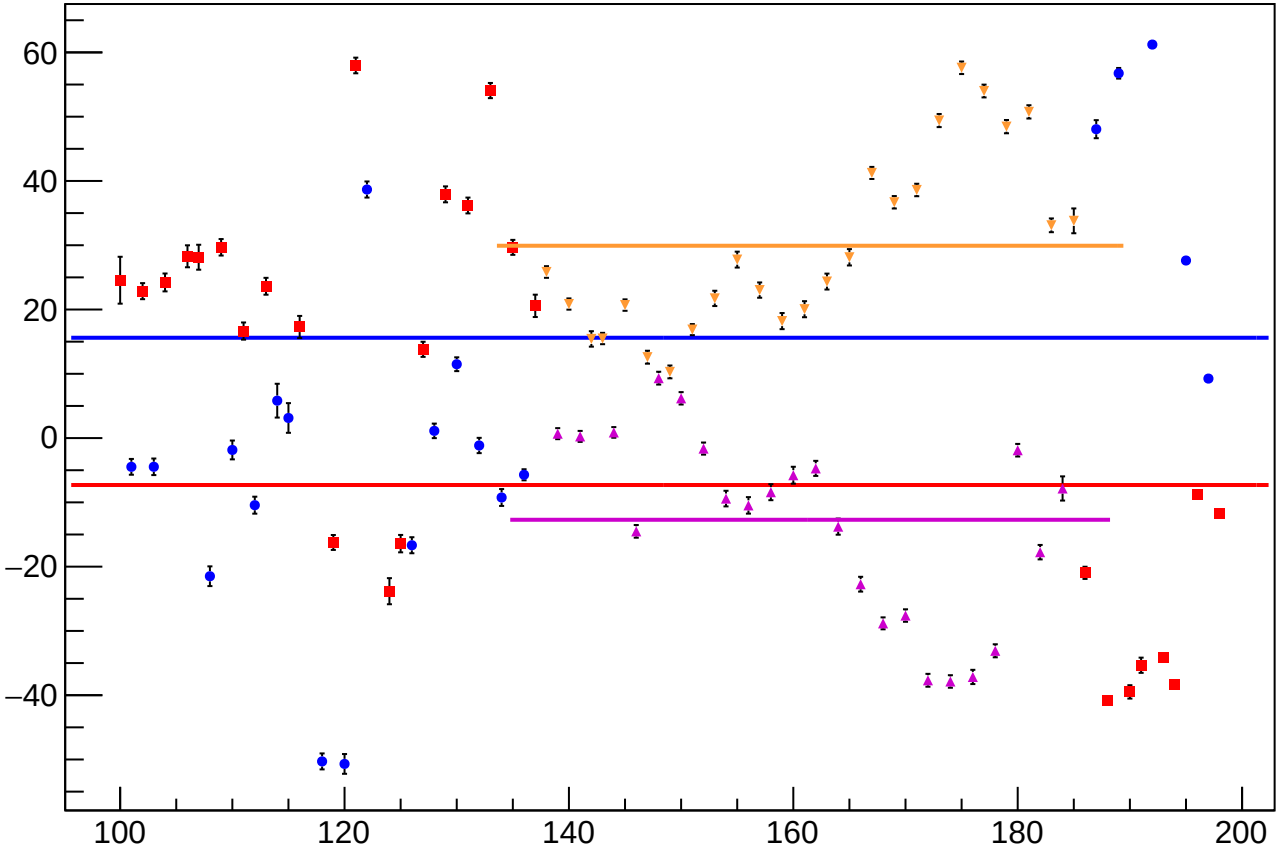
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 831.879+/-0.109 χ^2/NDF: 1738027.7/45

All: 821.897+/-0.076 χ^2/NDF: 3996109.0/95

- sign 812.656+/-0.105 χ^2/NDF: 2241962.7/49

diff_bpm2i02Y_mean vs Slug



Right In: 15.609+/-0.231 χ^2/NDF: 17768.1/20

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -7.299+/-0.203 χ^2/NDF: 22549.9/26

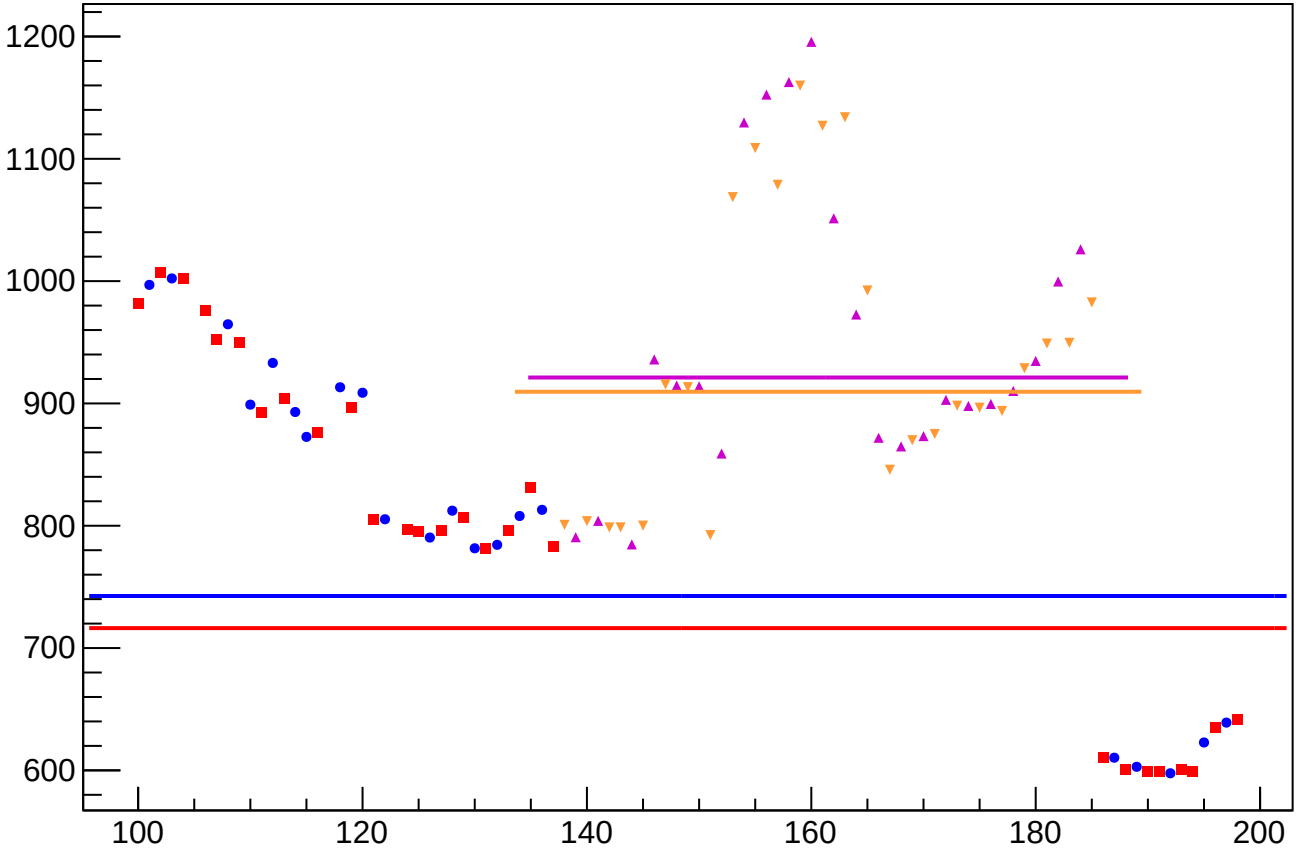
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 23.500+/-0.155 χ^2/NDF: 24461.5/45

All: 6.130+/-0.107 χ^2/NDF: 76272.7/95

- sign -9.827+/-0.148 χ^2/NDF: 27671.6/49

diff_bpm2i02Y_rms vs Slug



Right In: 742.553+/-0.163 χ^2/NDF: 684364.7/20

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

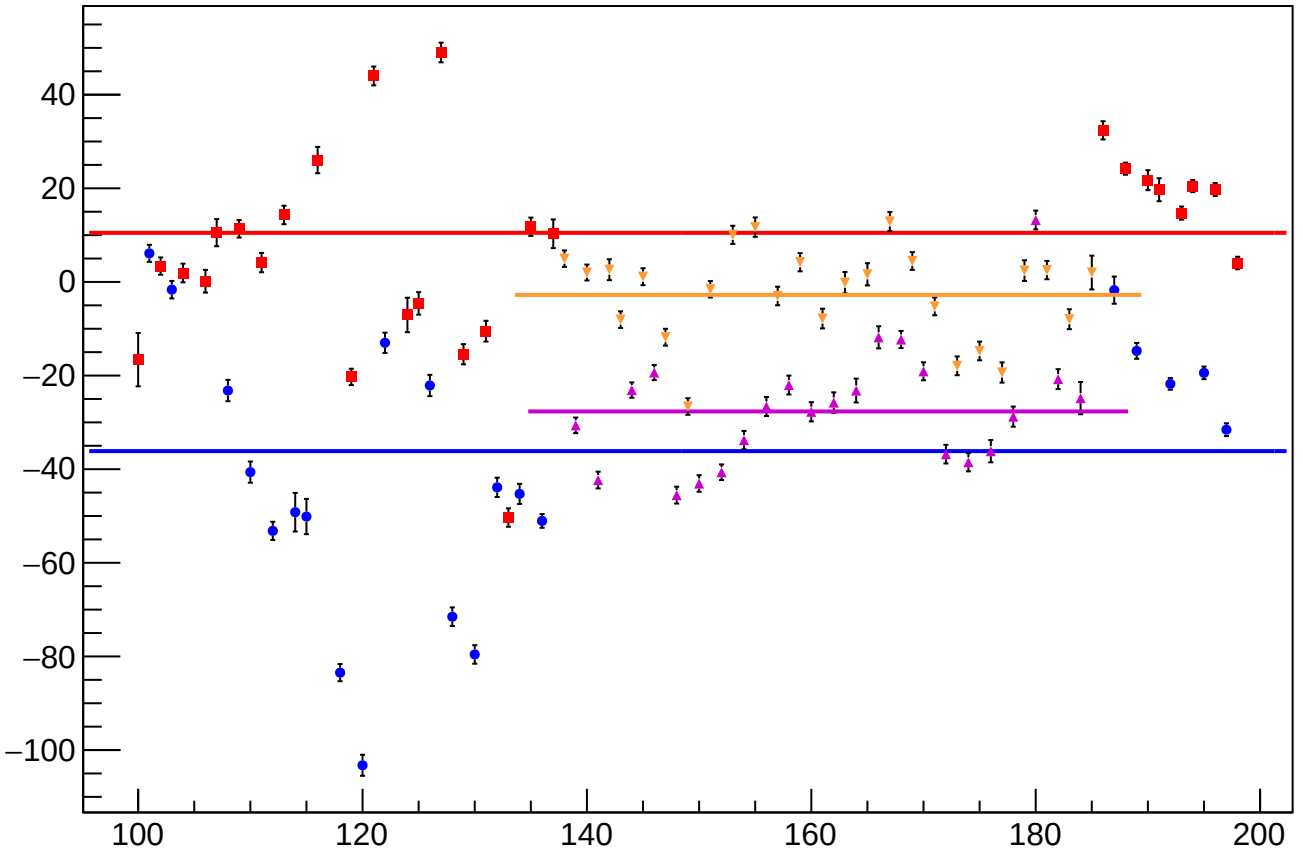
Right Out: 716.304+/-0.144 χ^2/NDF: 883538.4/26

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 834.629+/-0.110 χ^2/NDF: 1801390.8/45

All: 822.861+/-0.076 χ^2/NDF: 4153167.2/95

- sign 812.050+/-0.105 χ^2/NDF: 2329617.3/49



Right In: -36.138+/-0.412 χ^2/NDF: 4260.1/20

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 10.492+/-0.370 χ^2/NDF: 2712.8/26

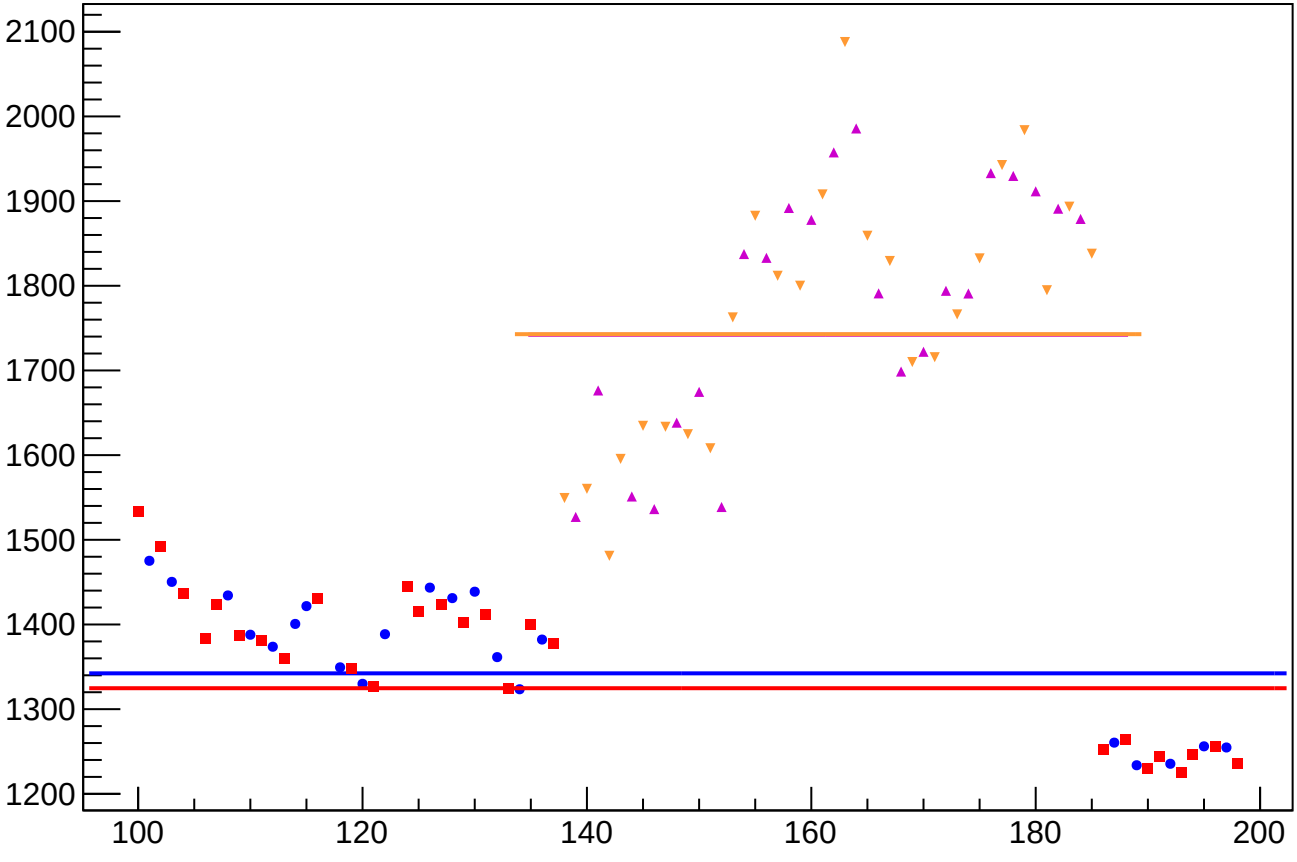
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -18.858+/-0.286 χ^2/NDF: 8275.9/45

All: -12.531+/-0.198 χ^2/NDF: 17705.2/95

\- sign -6.706+/-0.274 χ^2/NDF: 8489.2/49

diff_bpm0i02X_rms vs Slug



Right In: 1342.305+/-0.291 χ^2/NDF: 79574.6/20

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1324.741+/-0.262 χ^2/NDF: 99544.8/26

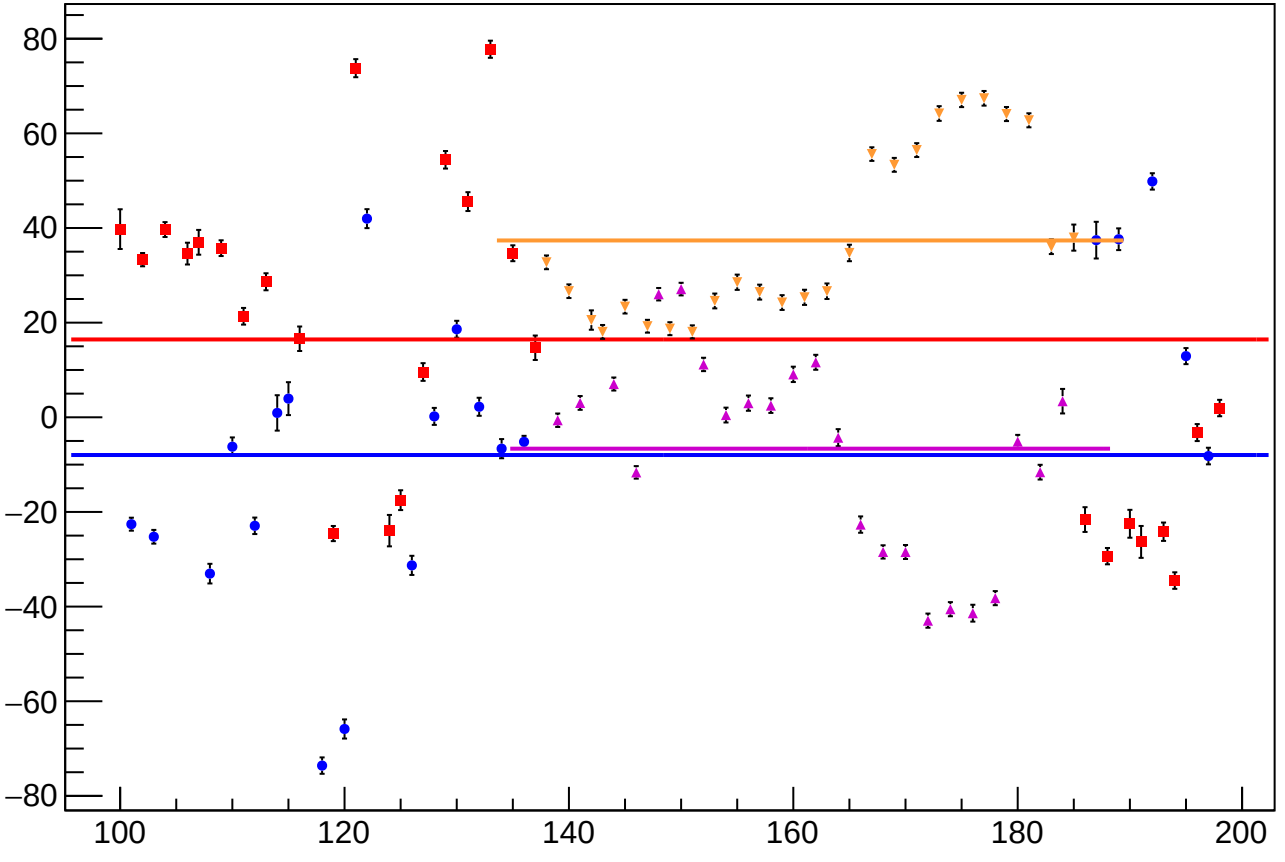
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1549.716+/-0.202 χ^2/NDF: 1322264.2/45

All: 1530.539+/-0.140 χ^2/NDF: 2846412.8/95

- sign 1512.882+/-0.194 χ^2/NDF: 1506874.4/49

diff_bpm0i02Y_mean vs Slug



Right In: -7.970+/-0.405 χ^2/NDF: 5578.8/20

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 16.450+/-0.378 χ^2/NDF: 7315.2/26

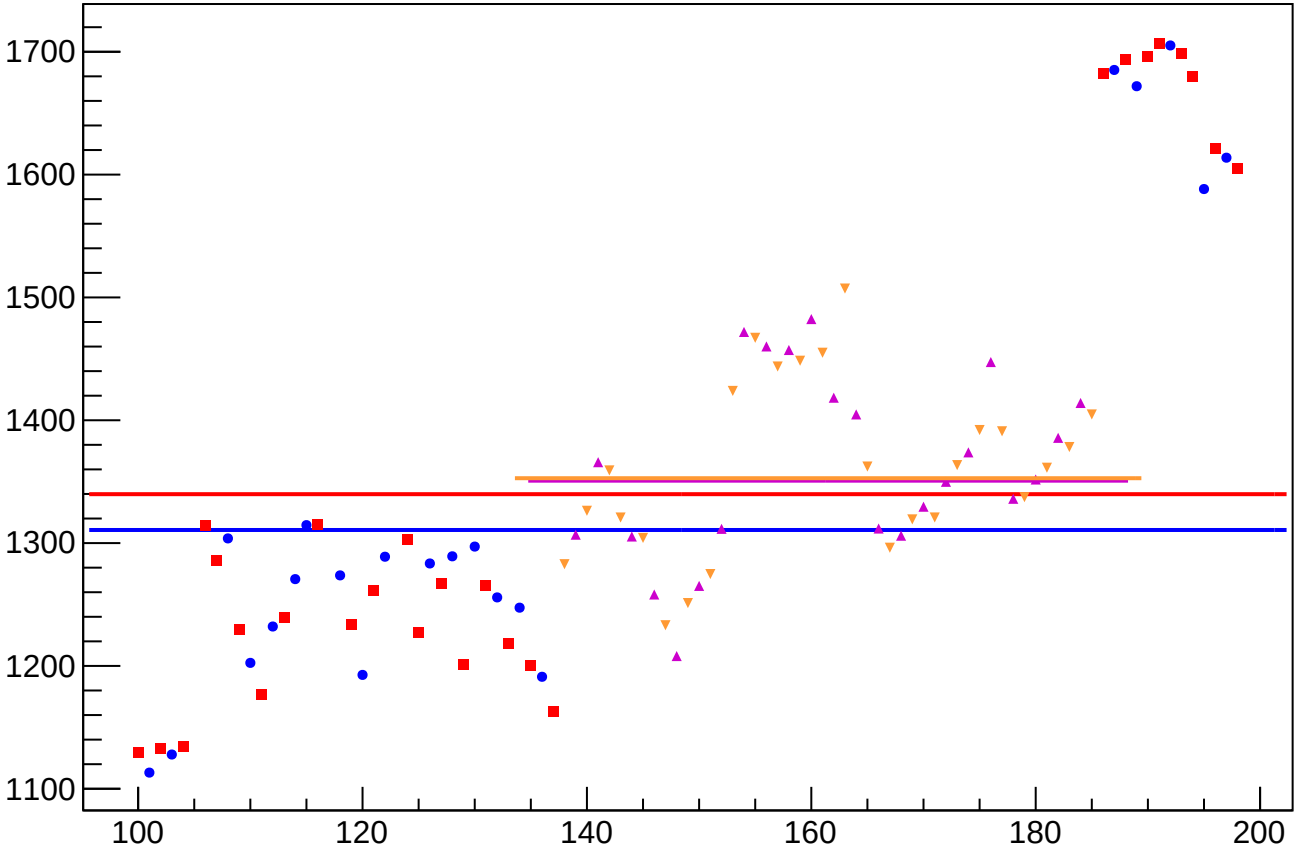
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.783+/-0.245 χ^2/NDF: 16908.6/45

All: 11.724+/-0.172 χ^2/NDF: 33527.8/95

- sign 2.856+/-0.243 χ^2/NDF: 13917.4/49

diff_bpm0i02Y_rms vs Slug



Right In: 1310.672+/-0.287 χ^2/NDF: 398954.9/20

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1339.829+/-0.268 χ^2/NDF: 594633.3/26

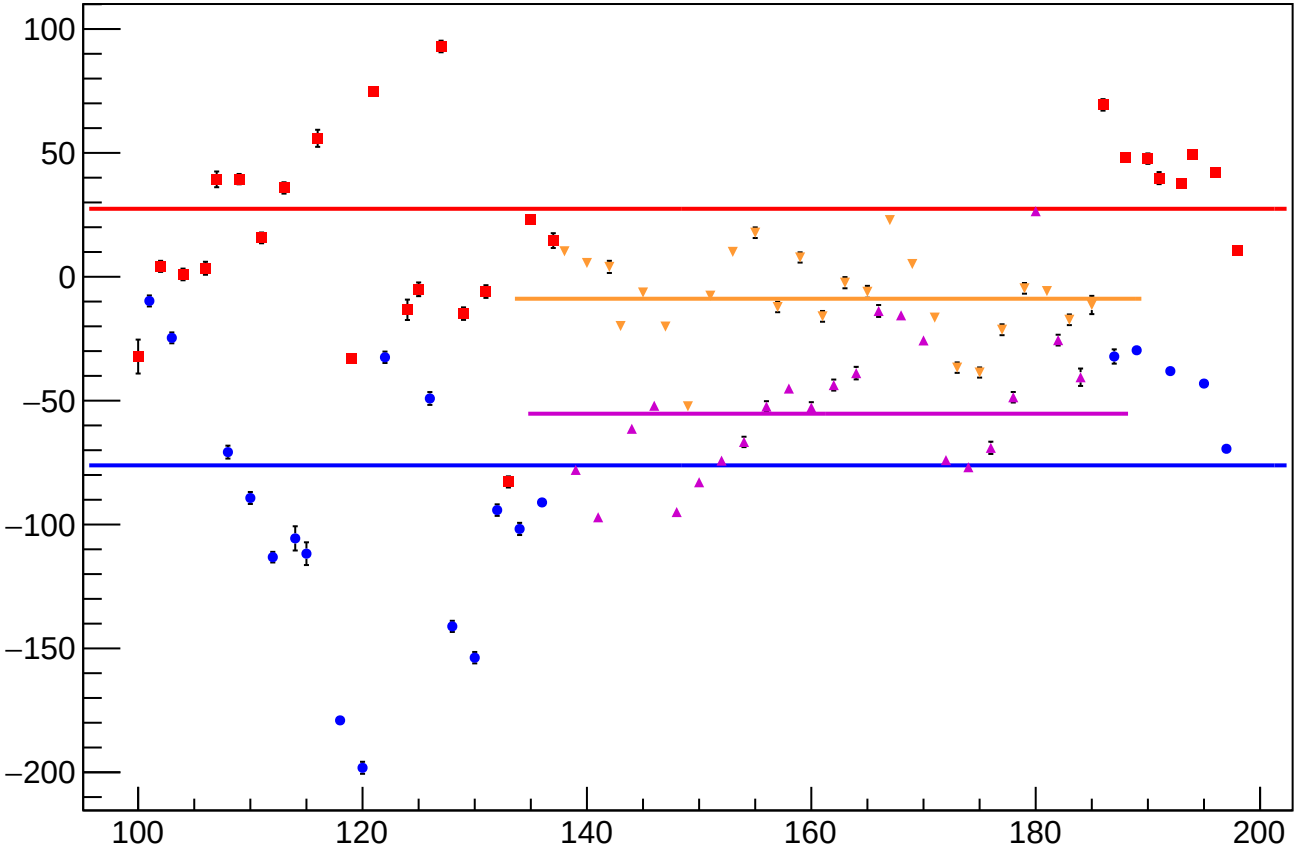
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1337.401+/-0.173 χ^2/NDF: 517513.7/45

All: 1341.902+/-0.122 χ^2/NDF: 1223095.2/95

- sign 1346.308+/-0.172 χ^2/NDF: 704247.6/49

diff_bpm0i02aX_mean vs Slug



Right In: -76.117+/-0.450 χ^2/NDF: 12088.2/20

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 27.444+/-0.402 χ^2/NDF: 7156.7/26

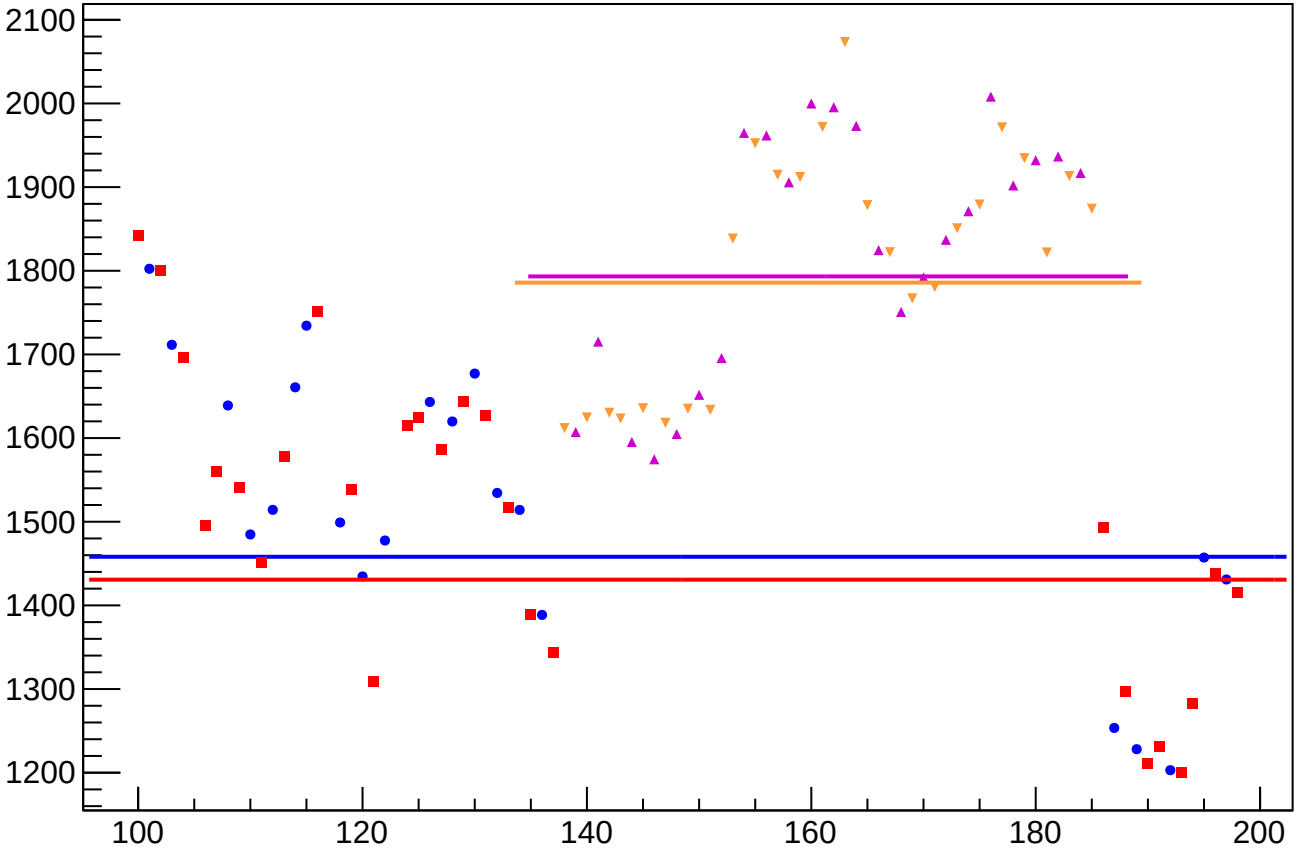
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -39.166+/-0.302 χ^2/NDF: 26335.7/45

All: -25.088+/-0.209 χ^2/NDF: 62641.8/95

- sign -12.042+/-0.291 χ^2/NDF: 32113.8/49

diff_bpm0i02aX_rms vs Slug



Right In: 1458.108+/-0.318 χ^2/NDF: 279025.1/20

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1430.724+/-0.284 χ^2/NDF: 329821.1/26

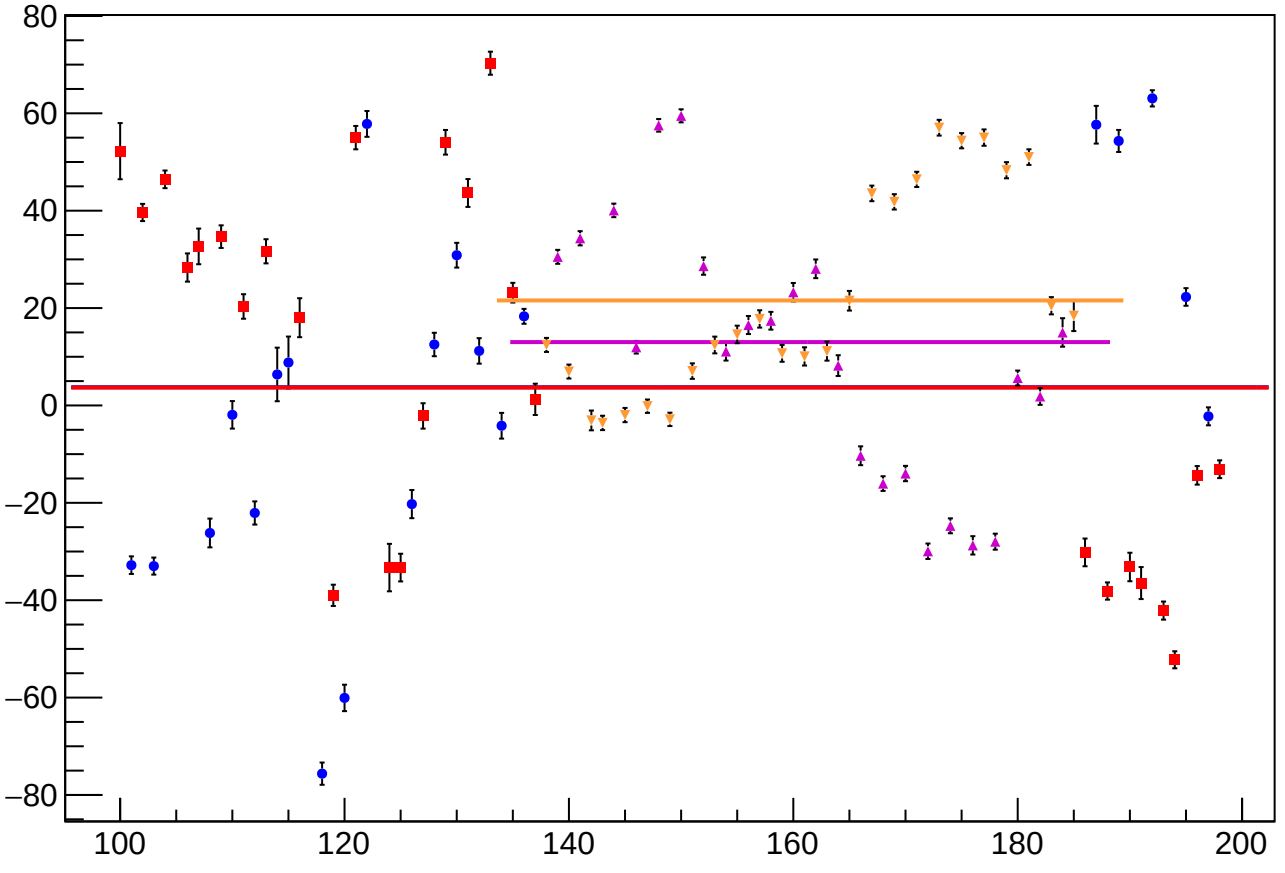
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1638.160+/-0.213 χ^2/NDF: 1100094.1/45

All: 1620.323+/-0.148 χ^2/NDF: 2473099.6/95

- sign 1603.794+/-0.205 χ^2/NDF: 1359546.1/49

diff_bpm0i02aY_mean vs Slug



Right In: 3.738+/-0.502 χ^2/NDF: 5626.4/20

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 3.677+/-0.459 χ^2/NDF: 6889.5/26

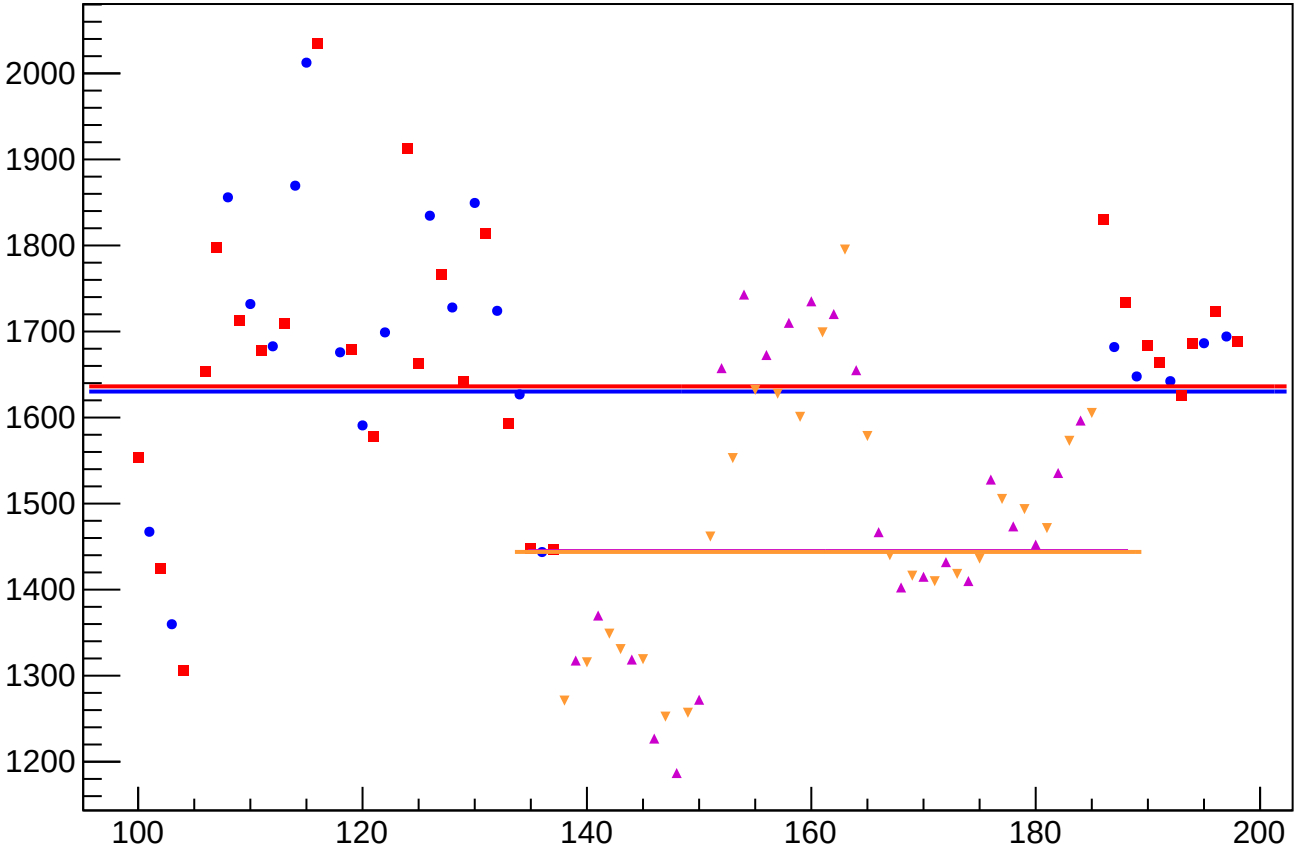
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 16.188+/-0.276 χ^2/NDF: 10668.2/45

All: 12.916+/-0.194 χ^2/NDF: 24731.4/95

- sign 9.704+/-0.273 χ^2/NDF: 13784.1/49

diff_bpm0i02aY_rms vs Slug



Right In: 1630.236+/-0.355 χ^2/NDF: 161233.7/20

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1636.242+/-0.324 χ^2/NDF: 193435.2/26

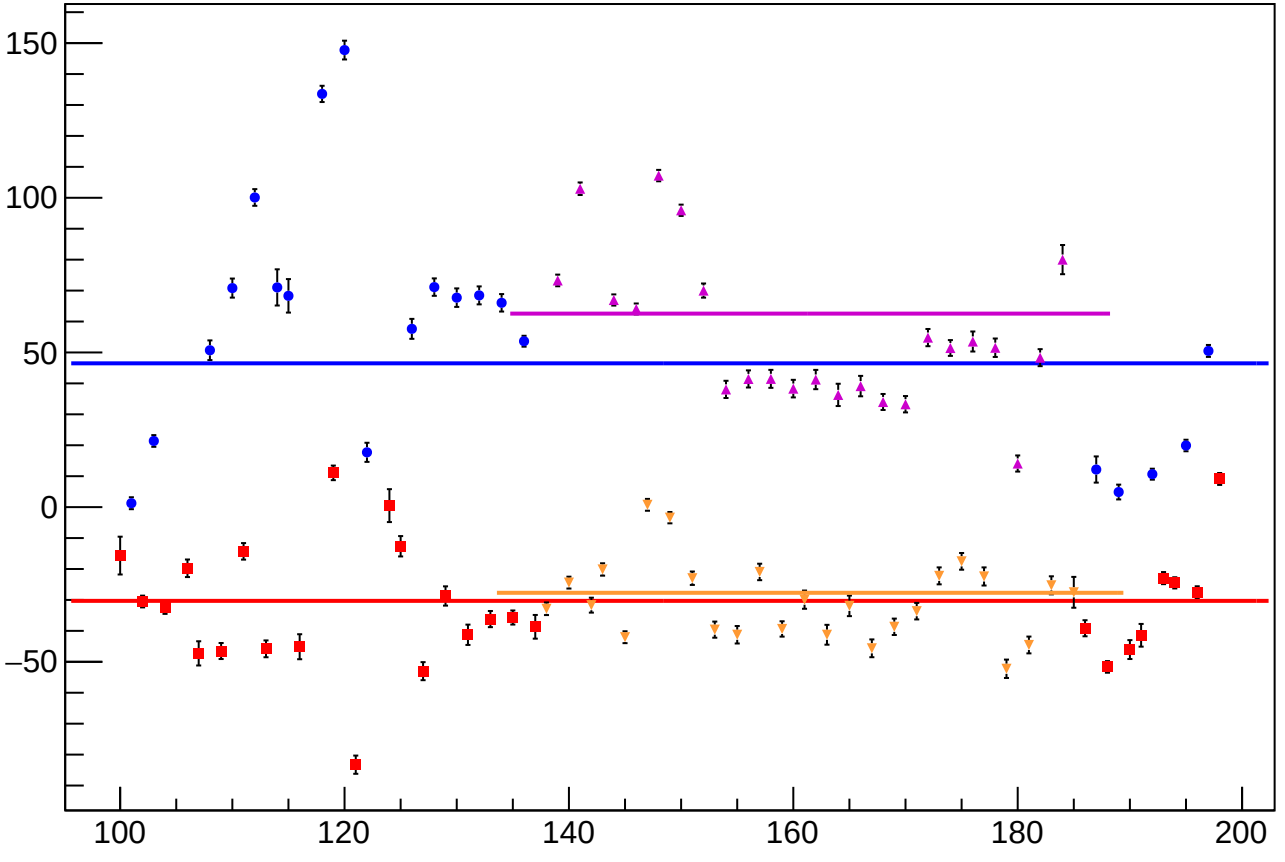
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1500.062+/-0.195 χ^2/NDF: 706251.5/45

All: 1506.428+/-0.137 χ^2/NDF: 1611733.8/95

- sign 1512.678+/-0.193 χ^2/NDF: 903369.1/49

diff_bpm0i05X_mean vs Slug



Right In: 46.485+/-0.549 χ^2/NDF: 4760.5/20

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -30.301+/-0.495 χ^2/NDF: 1564.9/26

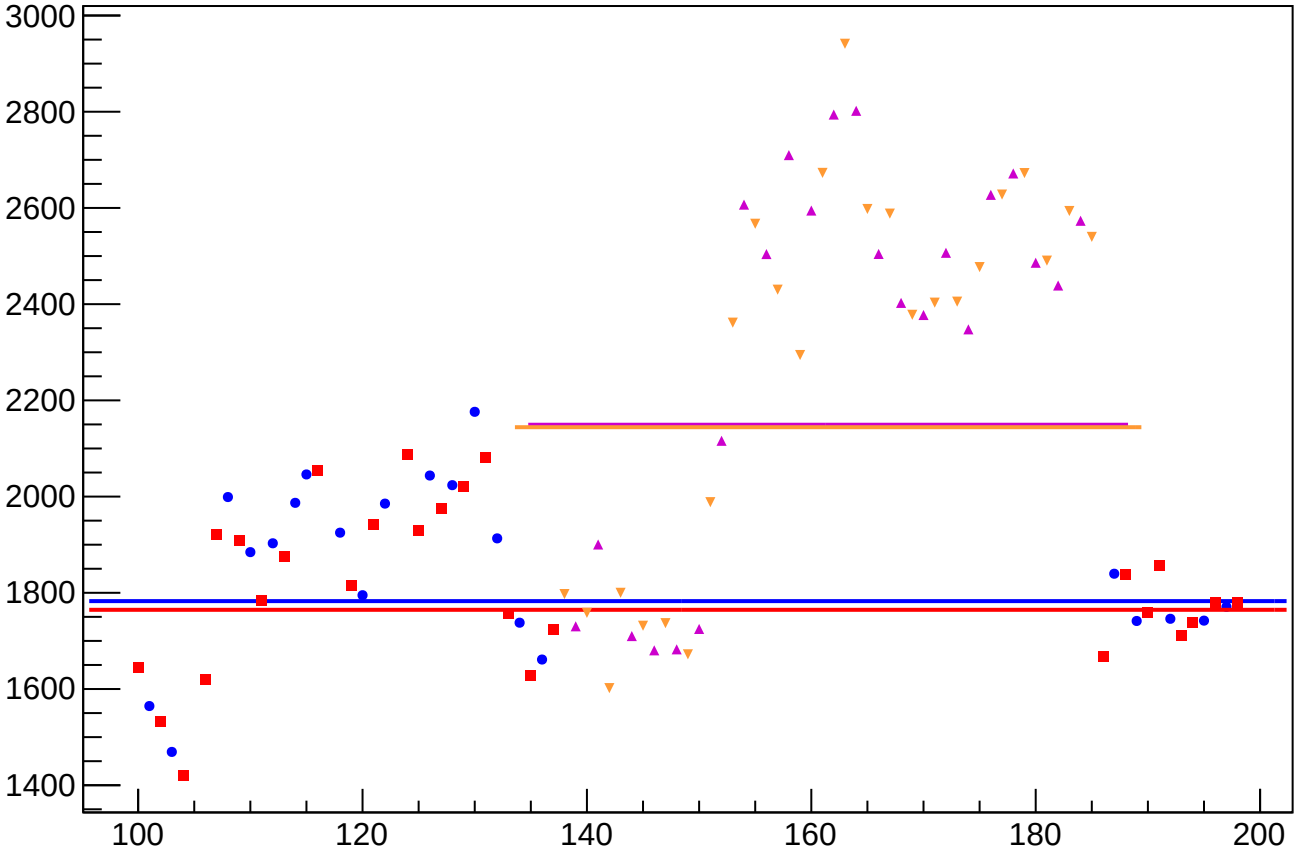
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 5.637+/-0.368 χ^2/NDF: 15574.7/45

All: 10.247+/-0.256 χ^2/NDF: 36923.3/95

- sign 14.550+/-0.356 χ^2/NDF: 21045.3/49

diff_bpm0i05X_rms vs Slug



Right In: 1782.734+/-0.388 χ^2/NDF: 196854.7/20

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1764.649+/-0.350 χ^2/NDF: 199195.0/26

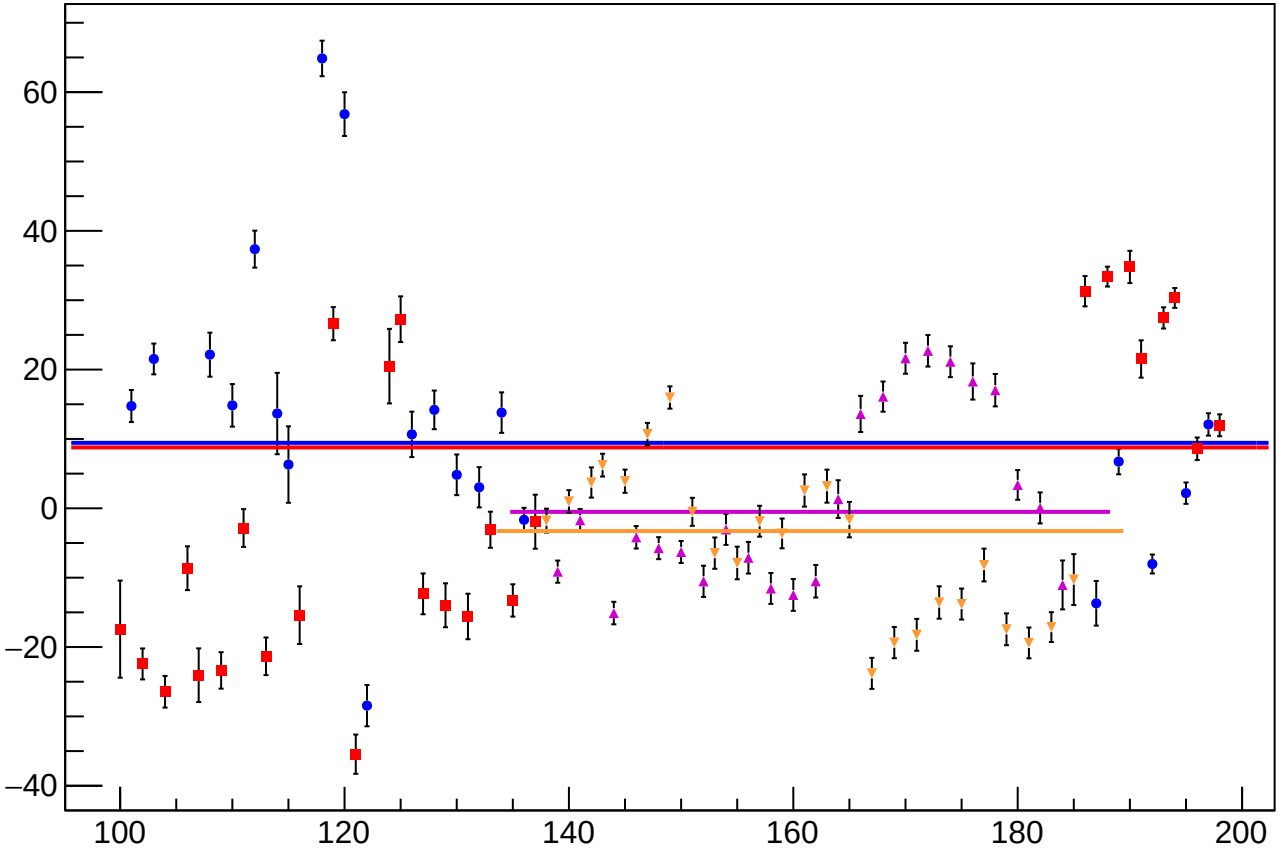
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1981.795+/-0.260 χ^2/NDF: 1953972.3/45

All: 1965.592+/-0.181 χ^2/NDF: 4010711.4/95

- sign 1950.464+/-0.251 χ^2/NDF: 2049245.5/49

diff_bpm0i05Y_mean vs Slug



Right In: 9.439+/-0.513 χ^2/NDF: 1315.3/20

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 8.775+/-0.452 χ^2/NDF: 2418.0/26

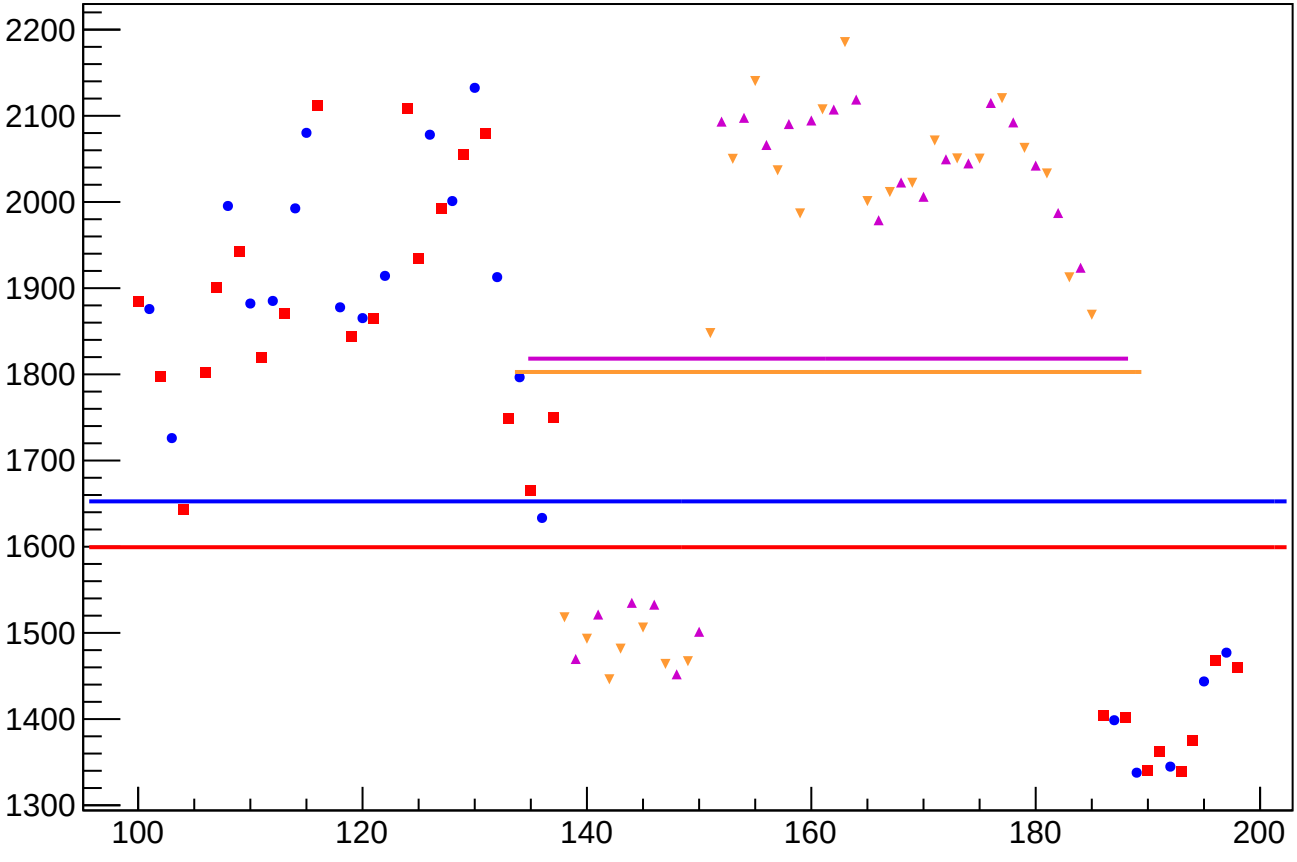
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.754+/-0.322 χ^2/NDF: 2358.3/45

All: 2.865+/-0.224 χ^2/NDF: 5767.0/95

- sign 3.902+/-0.311 χ^2/NDF: 3385.7/49

diff_bpm0i05Y_rms vs Slug



Right In: 1652.615+/-0.362 χ^2/NDF: 502128.4/20

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1599.428+/-0.319 χ^2/NDF: 575612.7/26

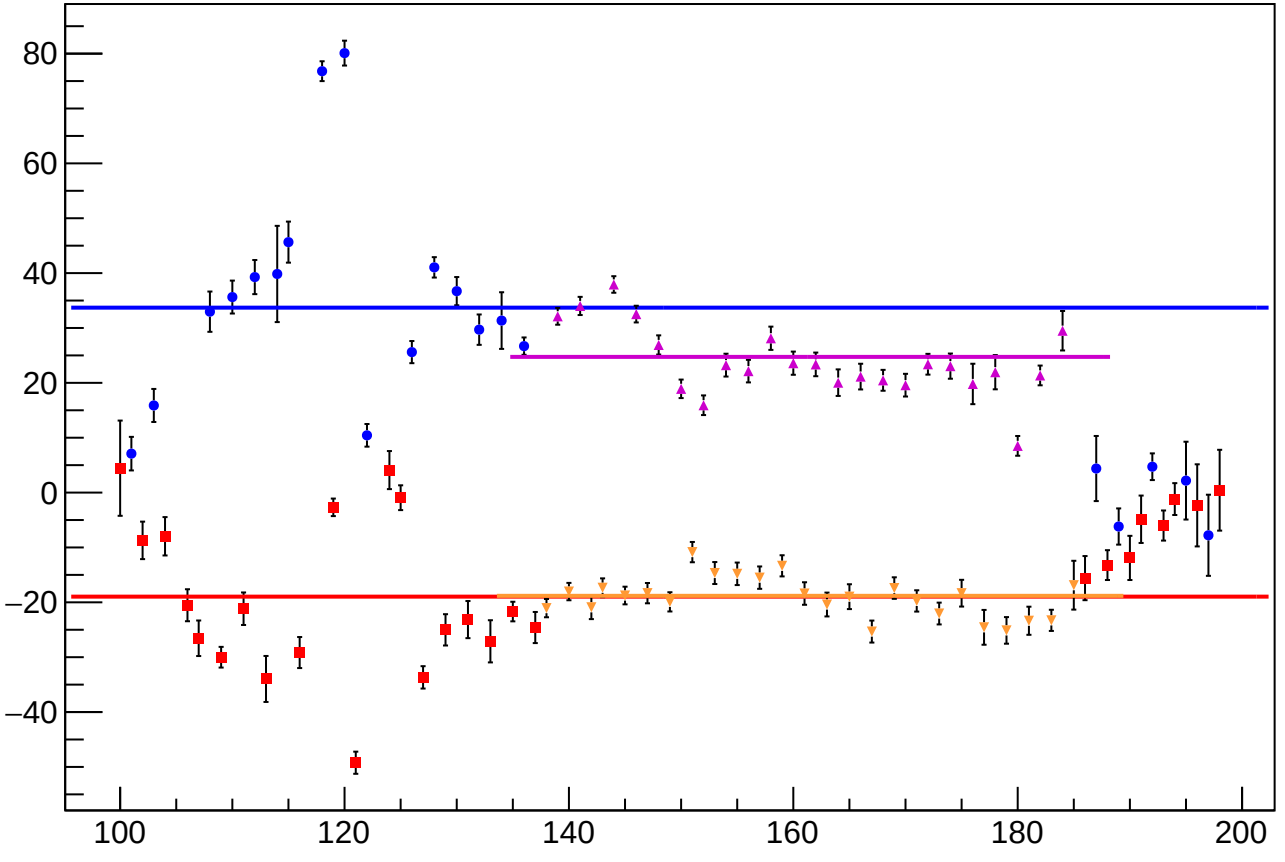
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1743.367+/-0.228 χ^2/NDF: 1503212.8/45

All: 1728.302+/-0.158 χ^2/NDF: 3173943.5/95

- sign 1714.250+/-0.220 χ^2/NDF: 1662289.1/49

diff_bpm0i07X_mean vs Slug



Right In: 33.705+/-0.586 χ^2/NDF: 1658.6/20

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -18.963+/-0.539 χ^2/NDF: 688.9/26

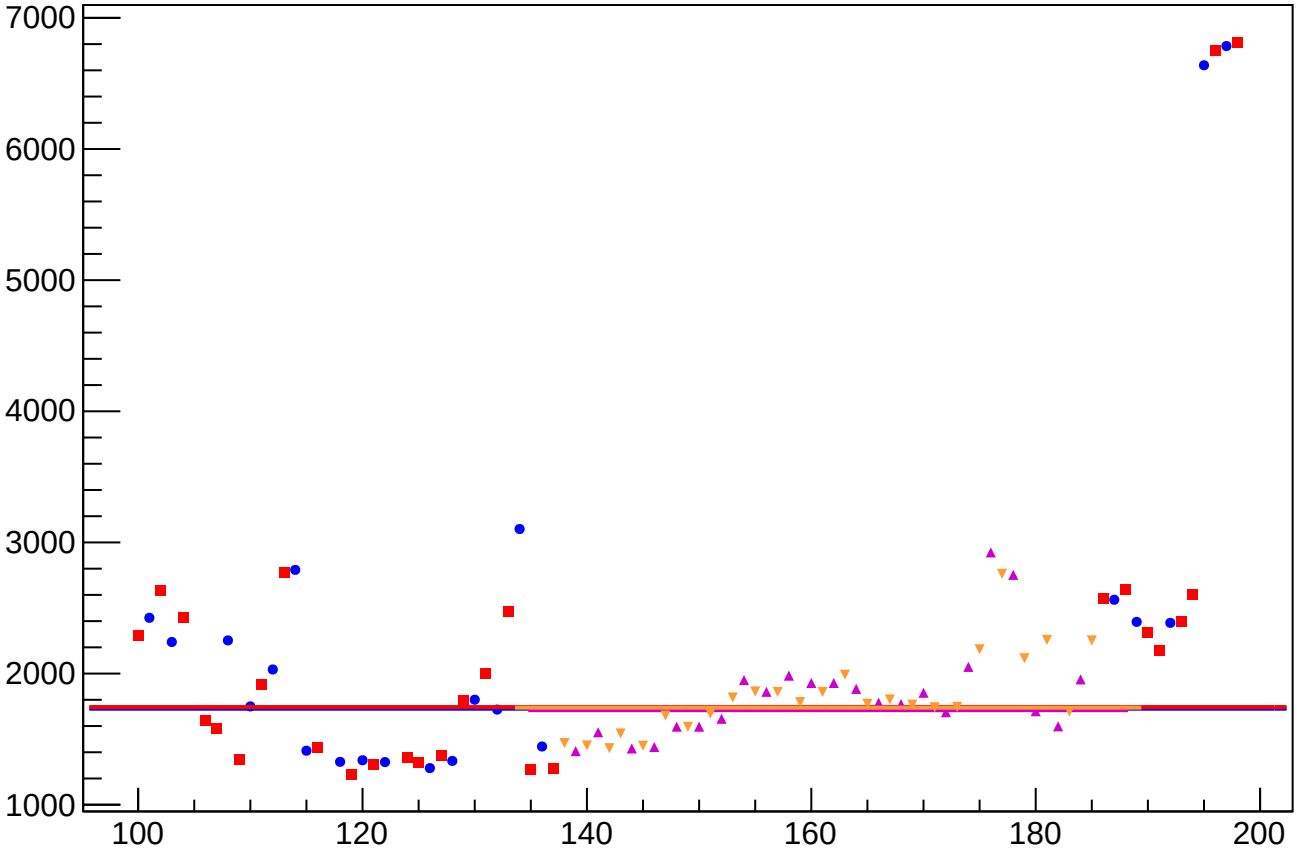
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -2.025+/-0.332 χ^2/NDF: 7192.5/45

All: 3.468+/-0.232 χ^2/NDF: 12902.9/95

- sign 8.769+/-0.326 χ^2/NDF: 5170.9/49

diff_bpm0i07X_rms vs Slug



Right In: 1732.174+/-0.415 χ^2/NDF: 3058839.0/20

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1744.746+/-0.381 χ^2/NDF: 3697975.2/26

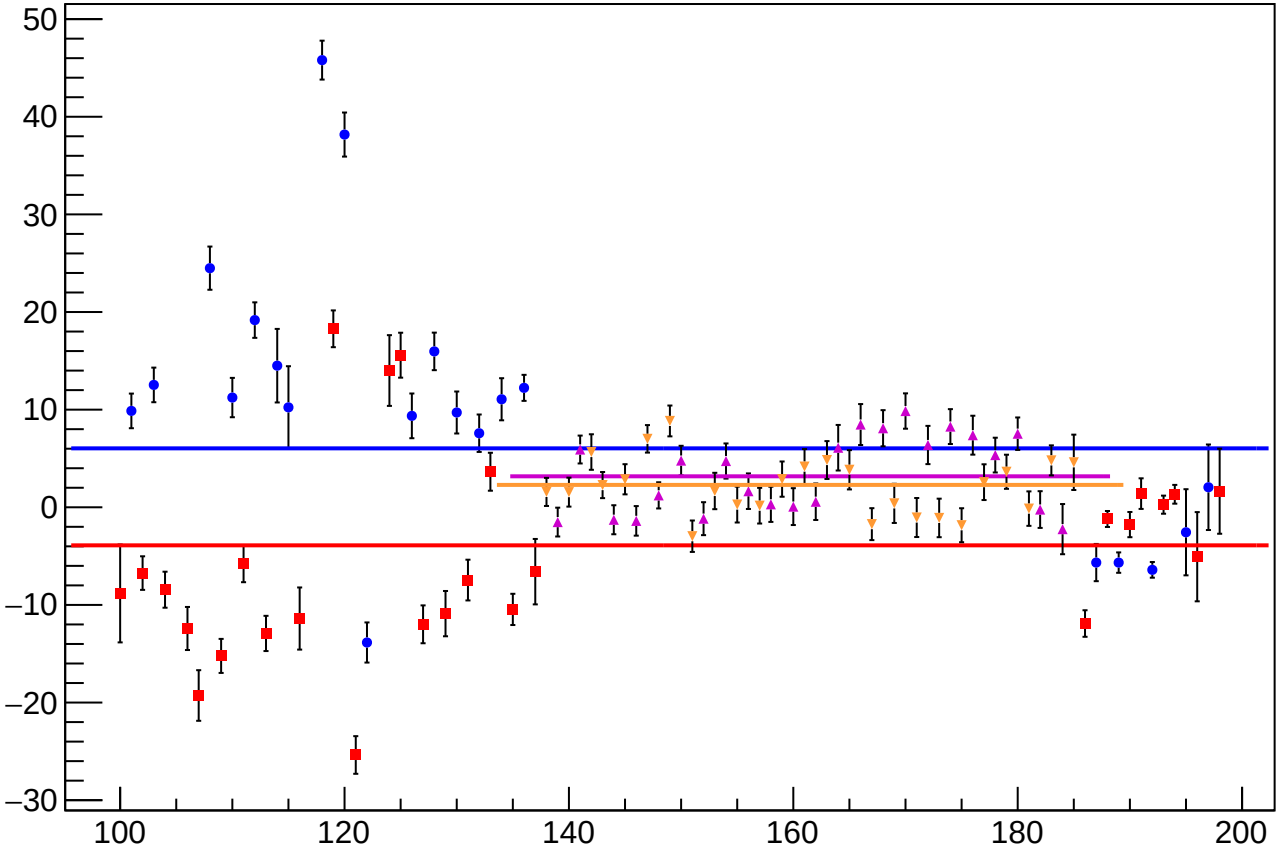
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1737.559+/-0.234 χ^2/NDF: 3812464.5/45

All: 1733.503+/-0.164 χ^2/NDF: 8397512.2/95

- sign 1729.589+/-0.230 χ^2/NDF: 4584459.5/49

diff_bpm0i07Y_mean vs Slug



Right In: 6.036+/-0.384 χ^2/NDF: 1314.6/20

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.897+/-0.322 χ^2/NDF: 665.5/26

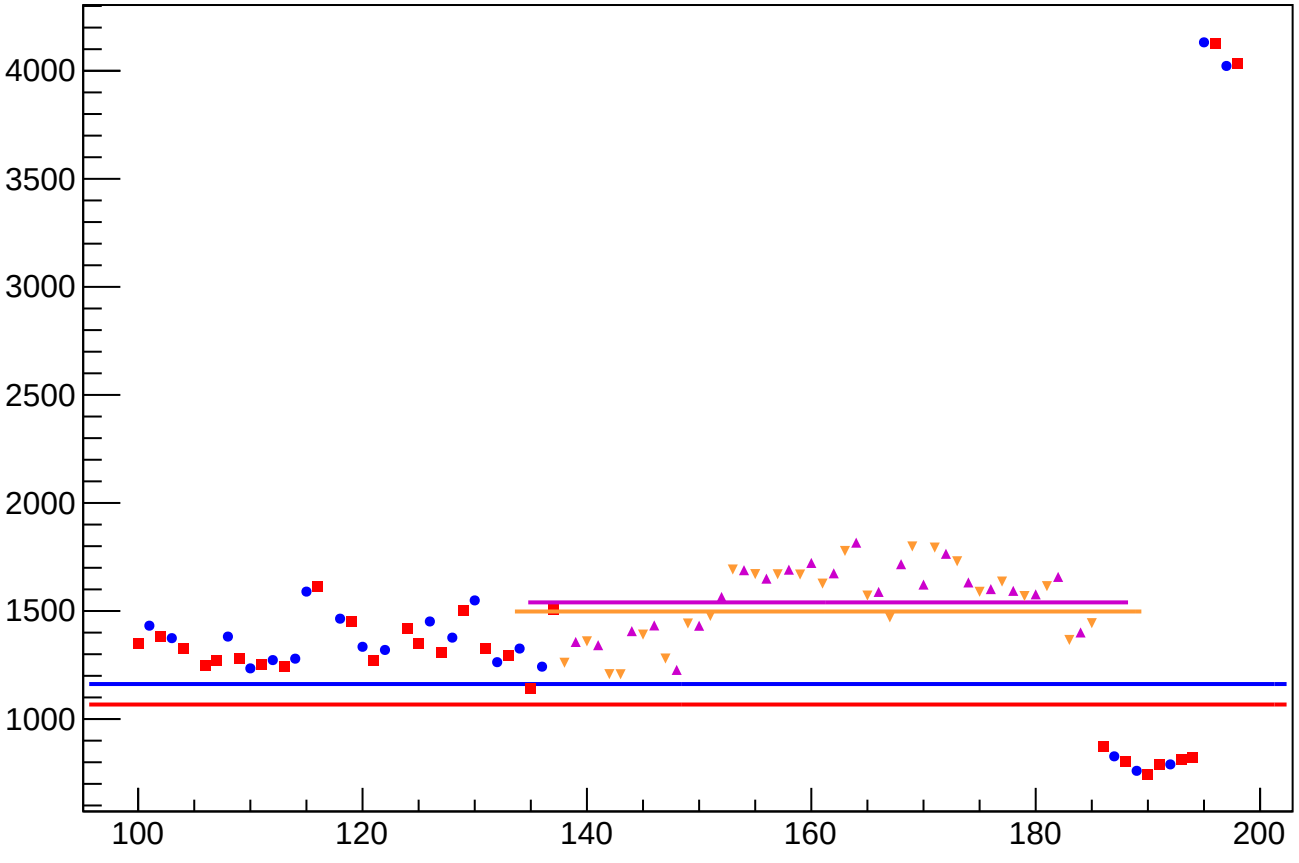
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.955+/-0.256 χ^2/NDF: 1440.9/45

All: 1.438+/-0.175 χ^2/NDF: 2611.5/95

- sign -0.783+/-0.241 χ^2/NDF: 988.7/49

diff_bpm0i07Y_rms vs Slug



Right In: 1162.007+/-0.272 χ^2/NDF: 2888616.6/20

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1067.209+/-0.227 χ^2/NDF: 3168904.8/26

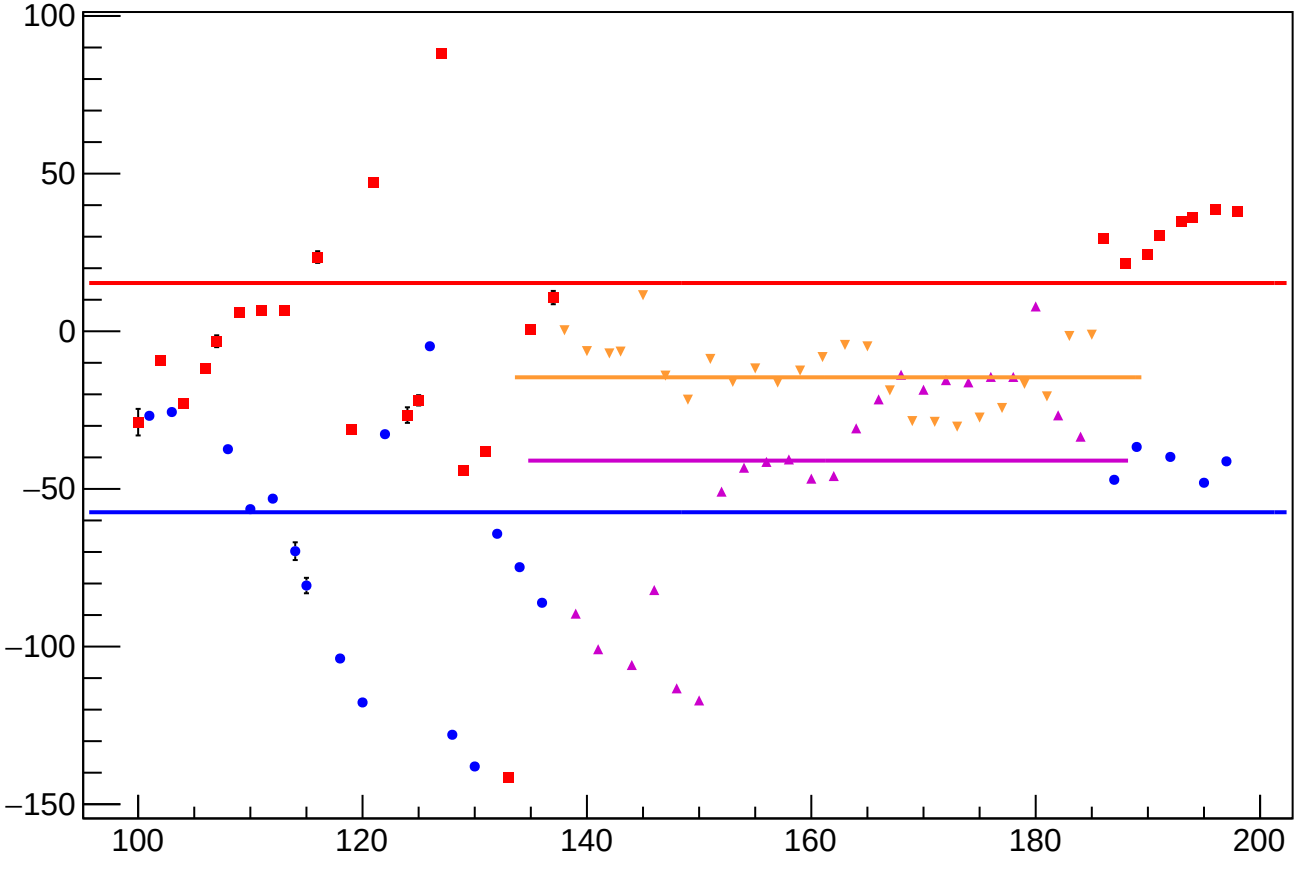
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1348.601+/-0.181 χ^2/NDF: 4305873.7/45

All: 1309.721+/-0.124 χ^2/NDF: 9845188.3/95

- sign 1275.414+/-0.170 χ^2/NDF: 5452525.5/49

diff_bpm1i02X_mean vs Slug



Right In: -57.395+/-0.248 χ^2/NDF: 15961.3/20

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 15.306+/-0.218 χ^2/NDF: 28682.6/26

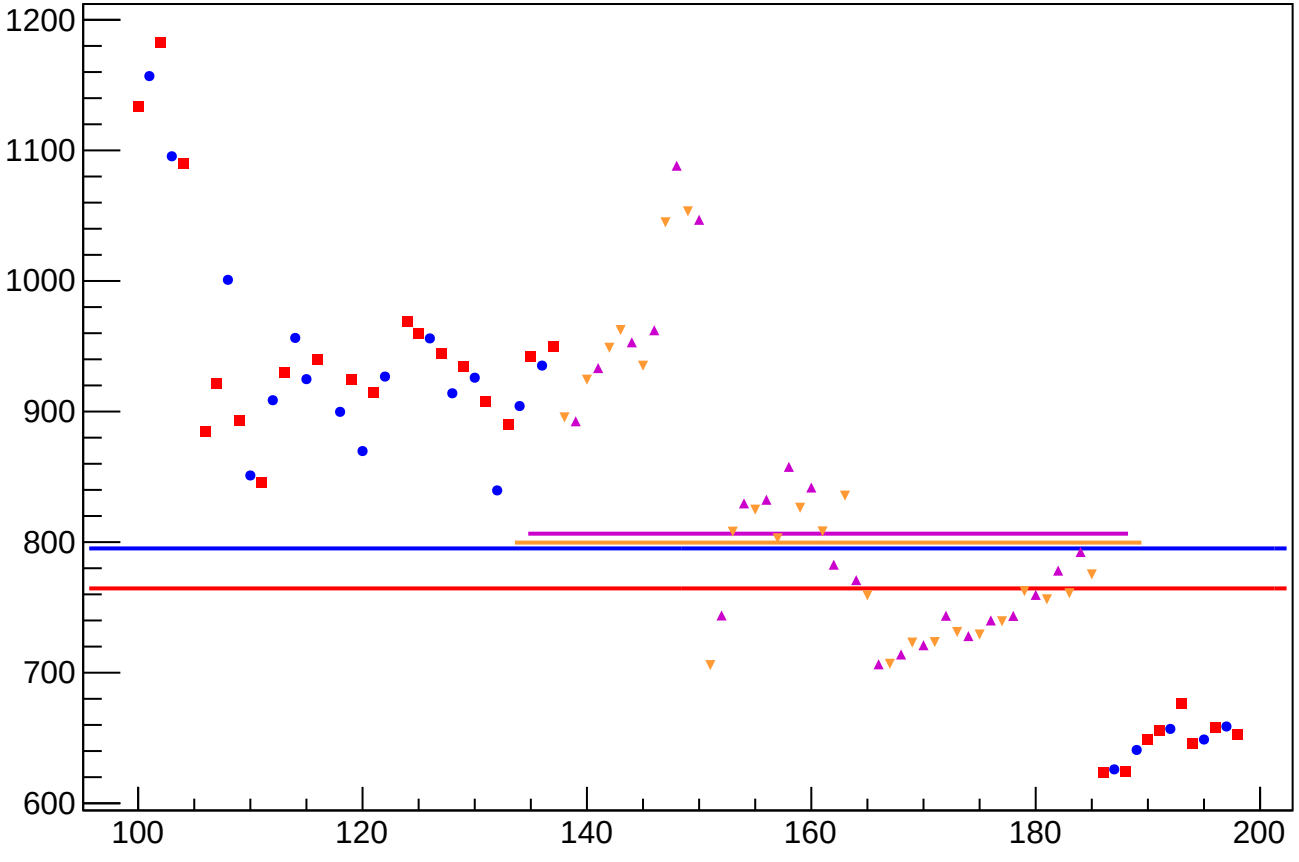
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -29.669+/-0.147 χ^2/NDF: 38392.8/45

All: -22.983+/-0.103 χ^2/NDF: 140219.8/95

- sign -16.677+/-0.143 χ^2/NDF: 97821.1/49

diff_bpm1i02X_rms vs Slug



Right In: 795.176+/-0.175 χ^2/NDF: 771248.9/20

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 764.553+/-0.154 χ^2/NDF: 983654.2/26

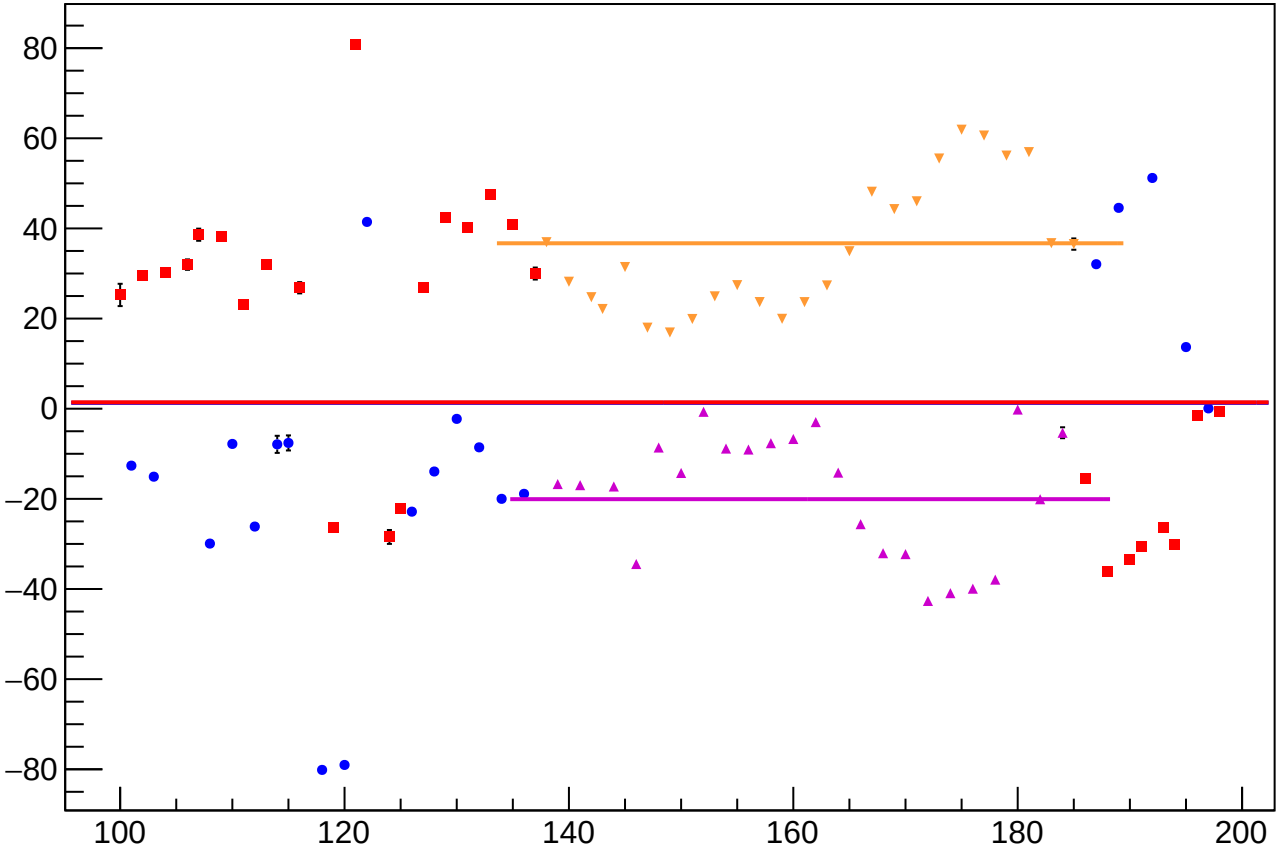
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 798.068+/-0.104 χ^2/NDF: 1269098.8/45

All: 793.071+/-0.073 χ^2/NDF: 2810706.3/95

- sign 788.359+/-0.101 χ^2/NDF: 1537133.0/49

diff_bpm1i02Y_mean vs Slug



Right In: 1.299+/-0.174 χ^2/NDF: 37513.7/20

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 1.418+/-0.155 χ^2/NDF: 42883.4/26

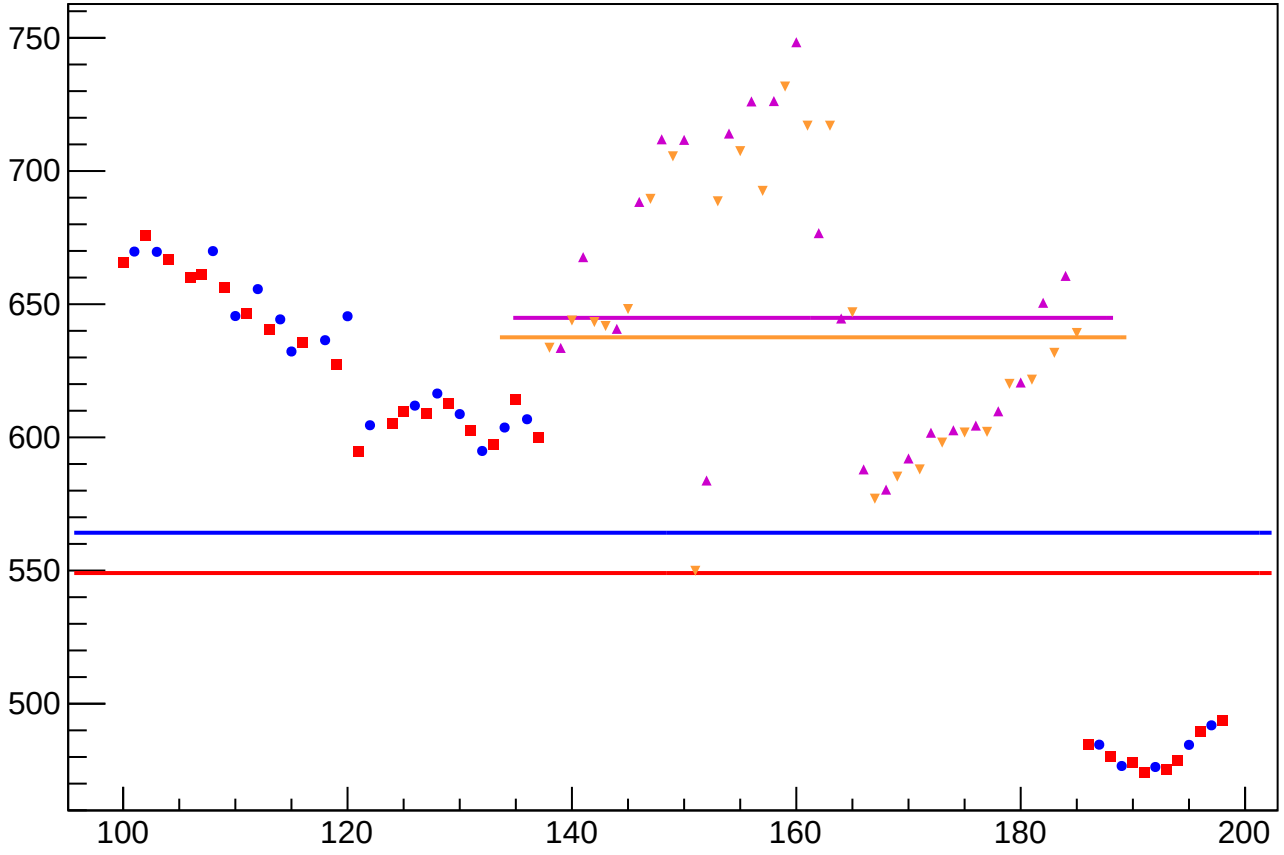
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 22.177+/-0.112 χ^2/NDF: 72065.1/45

All: 5.793+/-0.078 χ^2/NDF: 175078.1/95

- sign -9.561+/-0.108 χ^2/NDF: 61315.8/49

diff_bpm1i02Y_rms vs Slug



Right In: 564.194+/-0.123 χ^2/NDF: 377933.3/20

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 549.061+/-0.109 χ^2/NDF: 475705.2/26

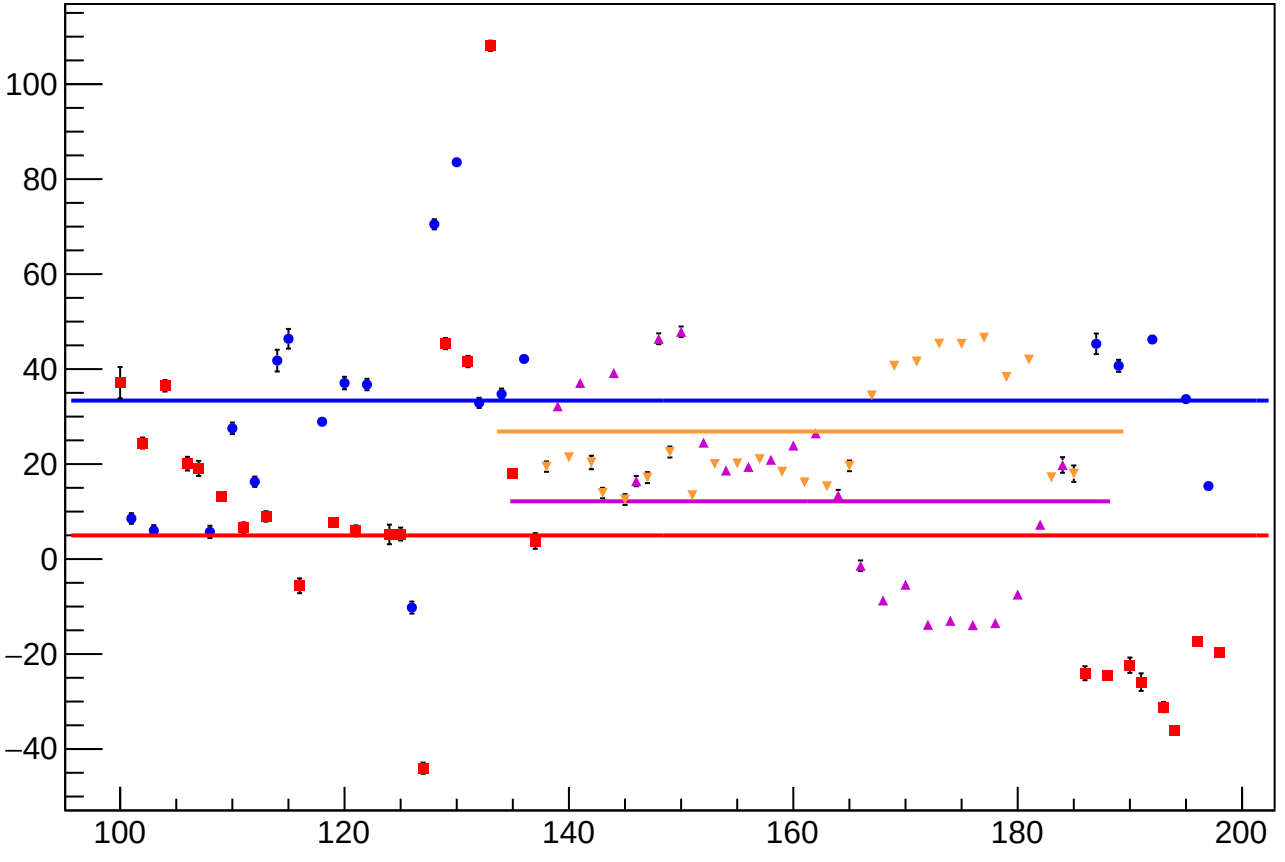
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 607.462+/-0.079 χ^2/NDF: 823384.7/45

All: 602.587+/-0.055 χ^2/NDF: 1928581.4/95

- sign 598.018+/-0.076 χ^2/NDF: 1097813.0/49

diff_bpm1i04X_mean vs Slug



Right In: 33.372+/-0.251 χ^2/NDF: 7263.0/20

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 4.978+/-0.233 χ^2/NDF: 20639.5/26

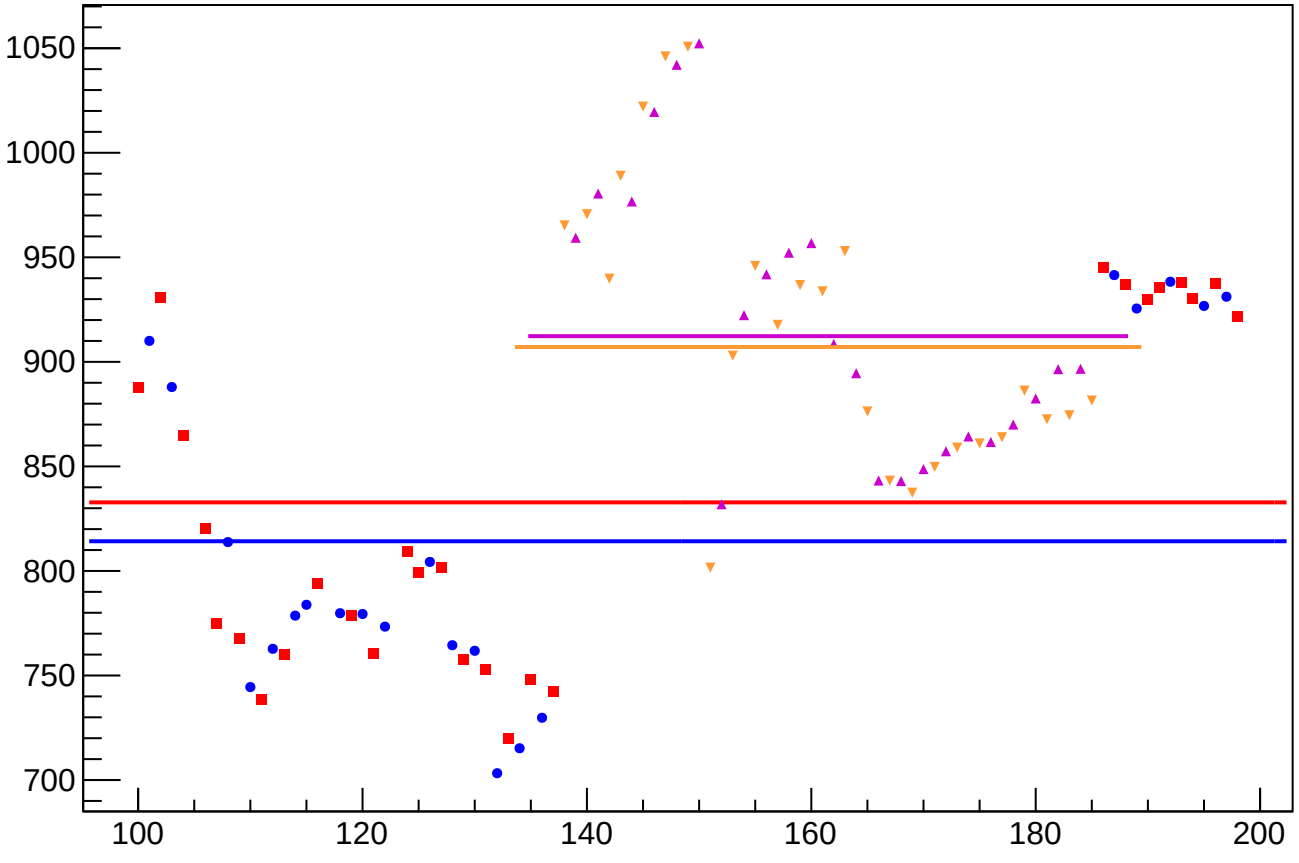
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 29.499+/-0.159 χ^2/NDF: 11054.3/45

All: 19.073+/-0.112 χ^2/NDF: 49206.4/95

- sign 8.886+/-0.158 χ^2/NDF: 29701.2/49

diff_bpm1i04X_rms vs Slug



Right In: 814.206+/-0.177 χ^2/NDF: 218992.9/20

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 832.792+/-0.165 χ^2/NDF: 251722.8/26

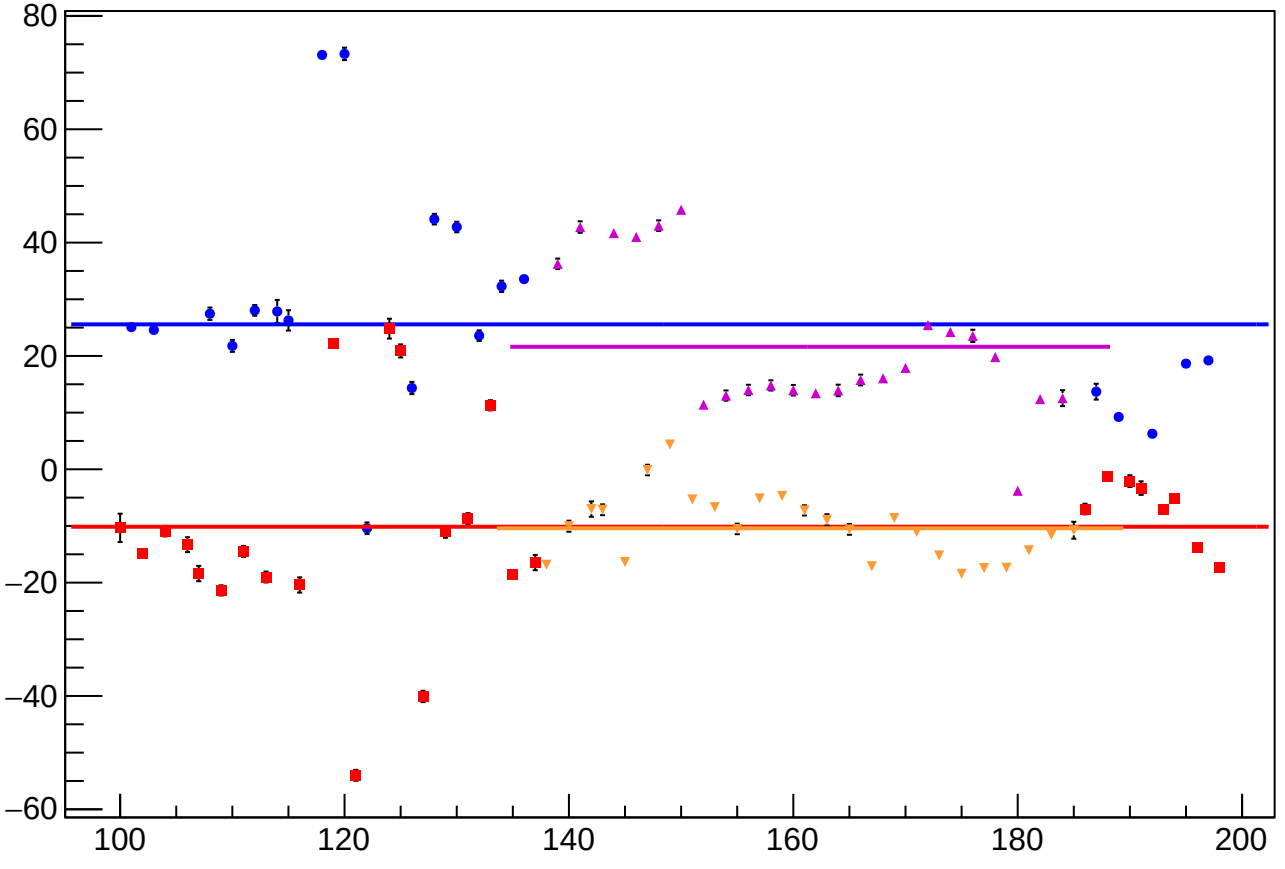
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 869.506+/-0.113 χ^2/NDF: 577051.5/45

All: 872.821+/-0.079 χ^2/NDF: 1131408.3/95

- sign 876.060+/-0.111 χ^2/NDF: 552648.4/49

diff_bpm1i04Y_mean vs Slug



Right In: 25.576+/-0.192 χ^2/NDF: 8922.8/20

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -10.136+/-0.177 χ^2/NDF: 7168.4/26

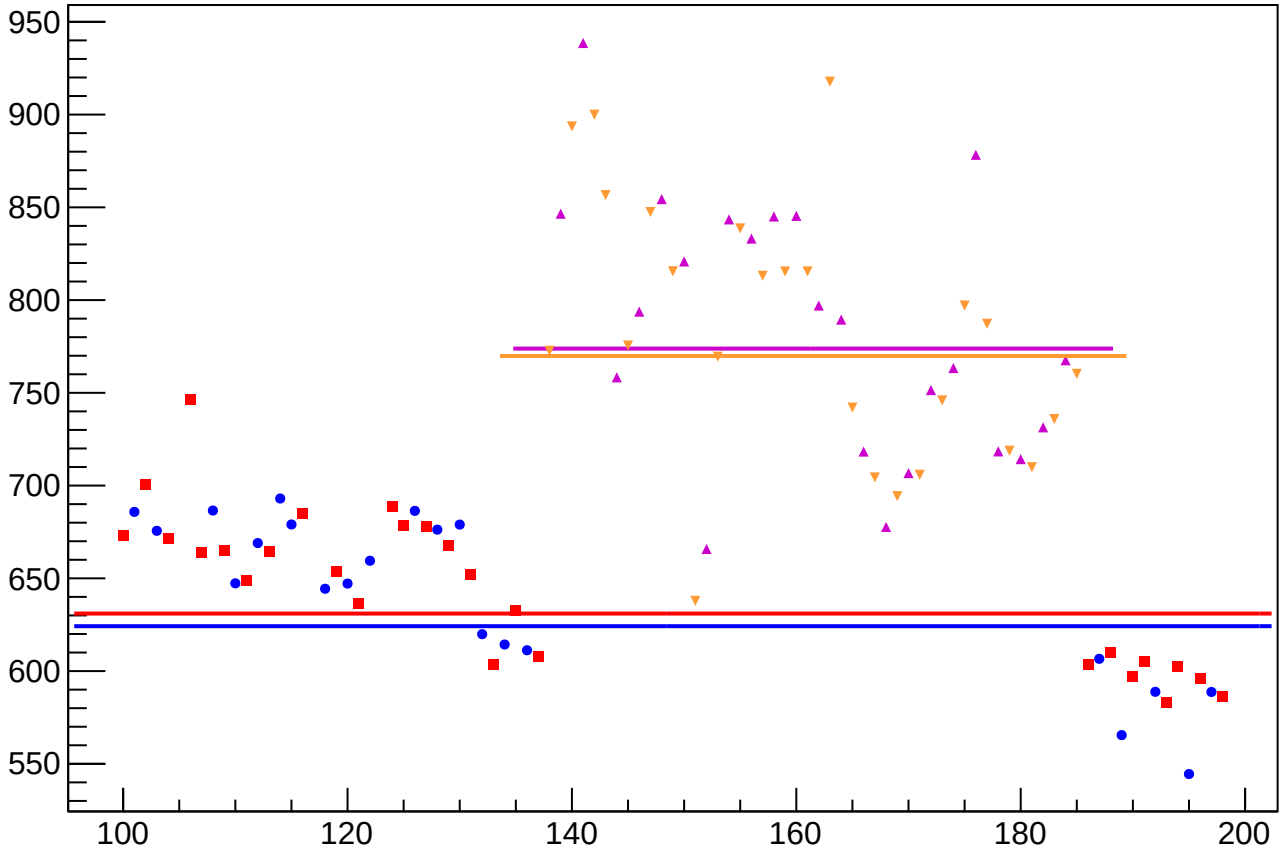
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

\+ sign 6.011+/-0.130 χ^2/NDF: 29035.1/45

All: 5.629+/-0.091 χ^2/NDF: 57153.6/95

\- sign 5.266+/-0.127 χ^2/NDF: 28101.7/49

diff_bpm1i04Y_rms vs Slug



Right In: 624.203+/-0.136 χ^2/NDF: 119938.7/20

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 631.014+/-0.125 χ^2/NDF: 96916.8/26

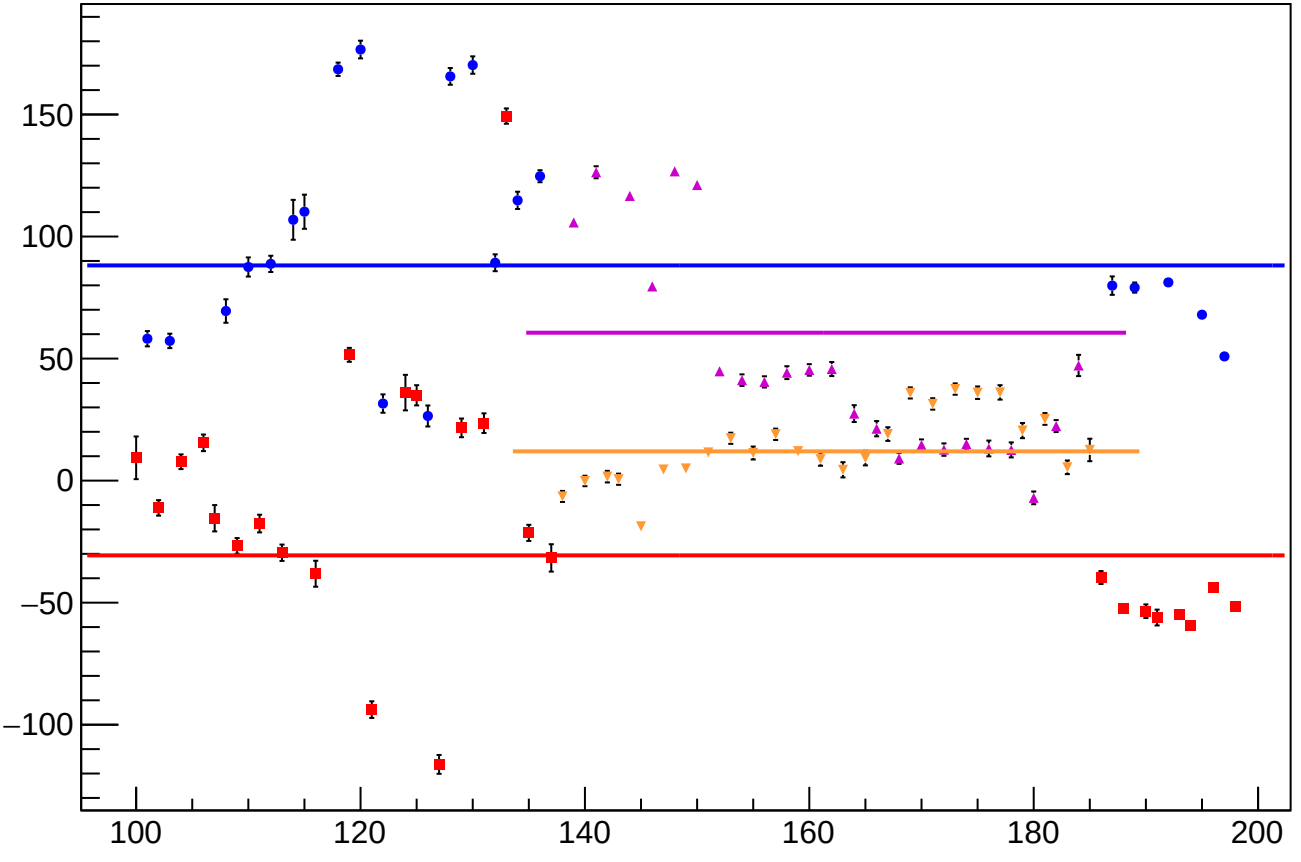
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 703.399+/-0.092 χ^2/NDF: 1049360.9/45

All: 701.805+/-0.064 χ^2/NDF: 2064527.6/95

- sign 700.286+/-0.090 χ^2/NDF: 1014577.7/49

diff_bpm1i06X_mean vs Slug



Right In: 88.165+/-0.613 χ^2/NDF: 4068.9/20

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -30.628+/-0.547 χ^2/NDF: 7060.8/26

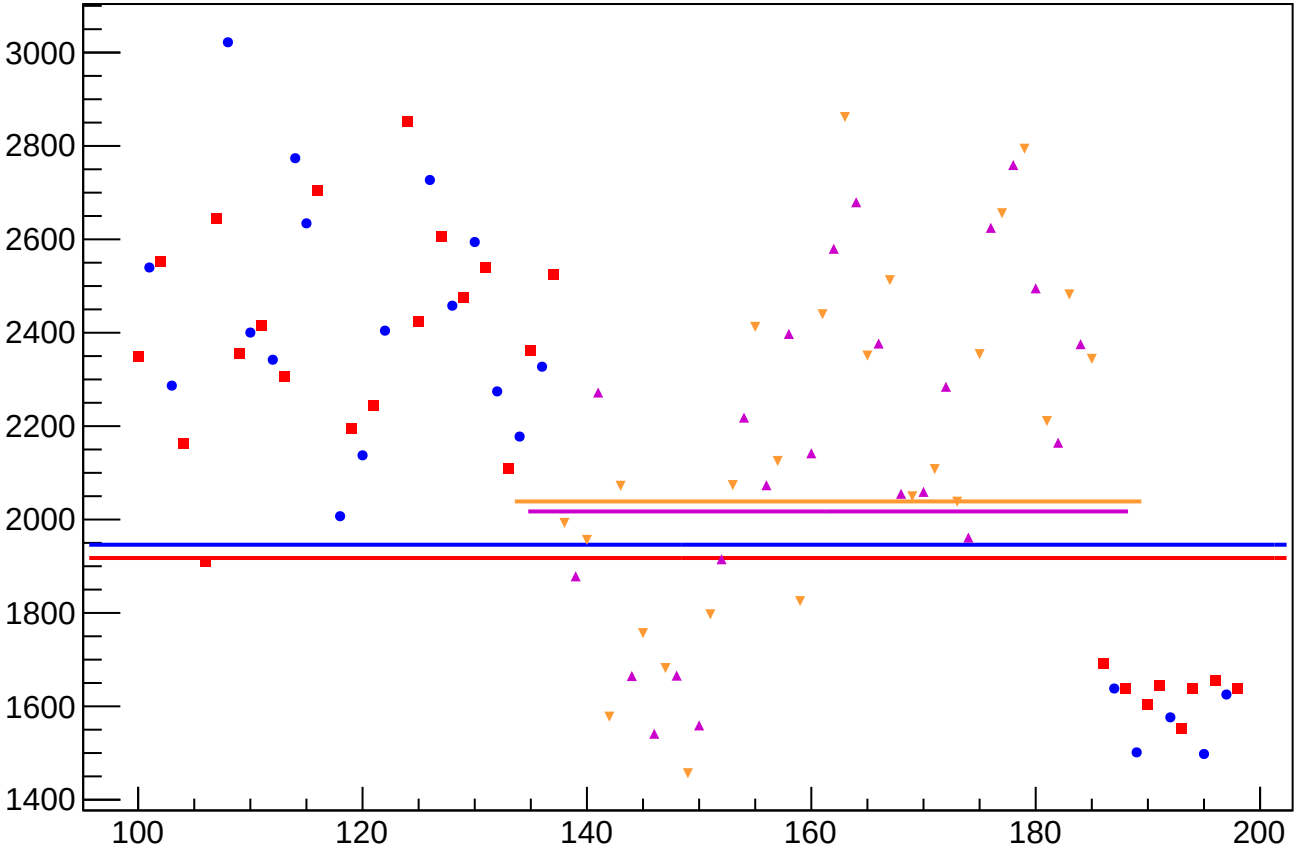
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 40.281+/-0.374 χ^2/NDF: 14708.7/45

All: 30.212+/-0.260 χ^2/NDF: 47501.5/95

- sign 20.817+/-0.361 χ^2/NDF: 31390.6/49

diff_bpm1i06X_rms vs Slug



Right In: 1946.059+/-0.434 χ^2/NDF: 1007265.4/20

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1917.620+/-0.387 χ^2/NDF: 939440.8/26

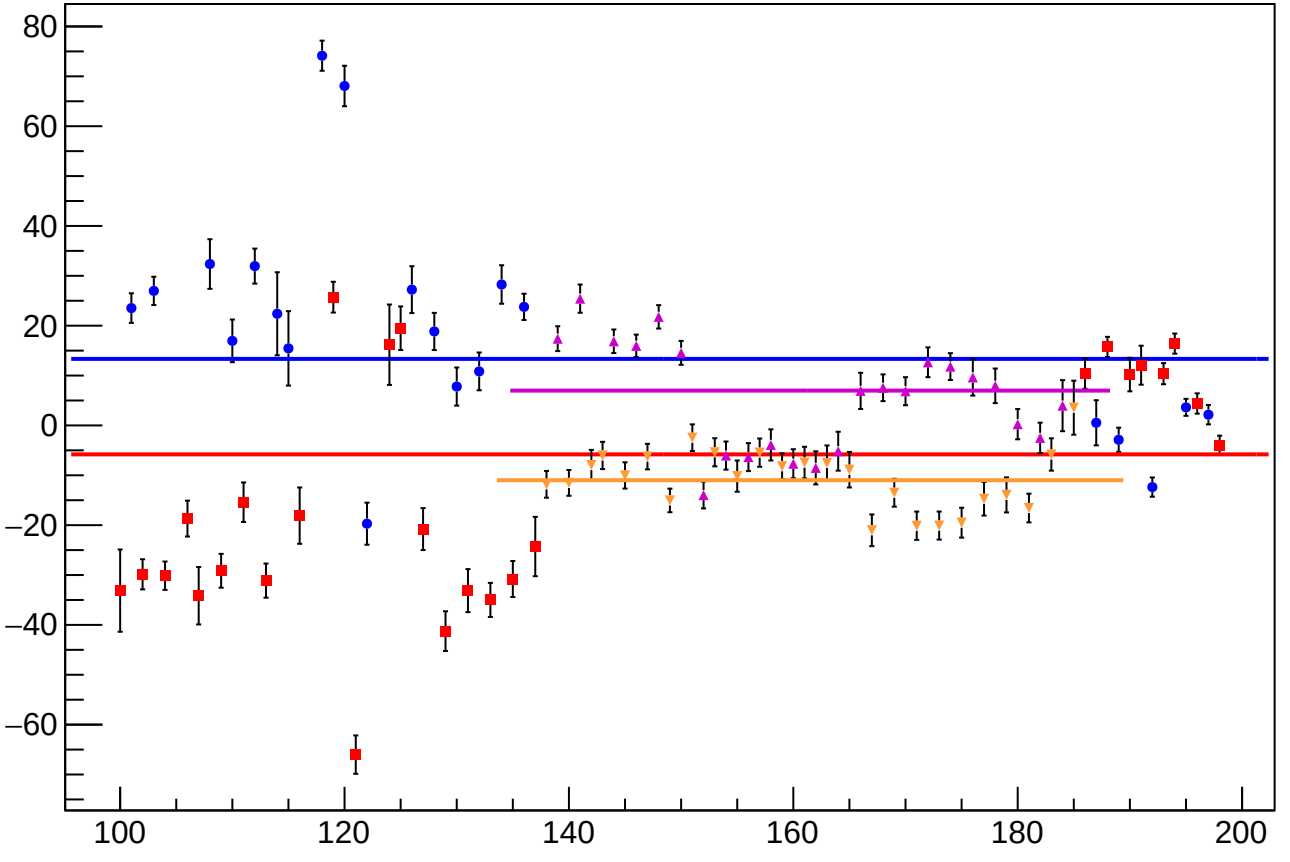
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2004.345+/-0.264 χ^2/NDF: 2159506.3/45

All: 1988.569+/-0.184 χ^2/NDF: 4193366.0/95

- sign 1973.848+/-0.255 χ^2/NDF: 2026975.0/49

diff_bpm1i06Y_mean vs Slug



Right In: 13.341+/-0.669 χ^2/NDF: 1069.3/20

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -5.807+/-0.607 χ^2/NDF: 1342.1/26

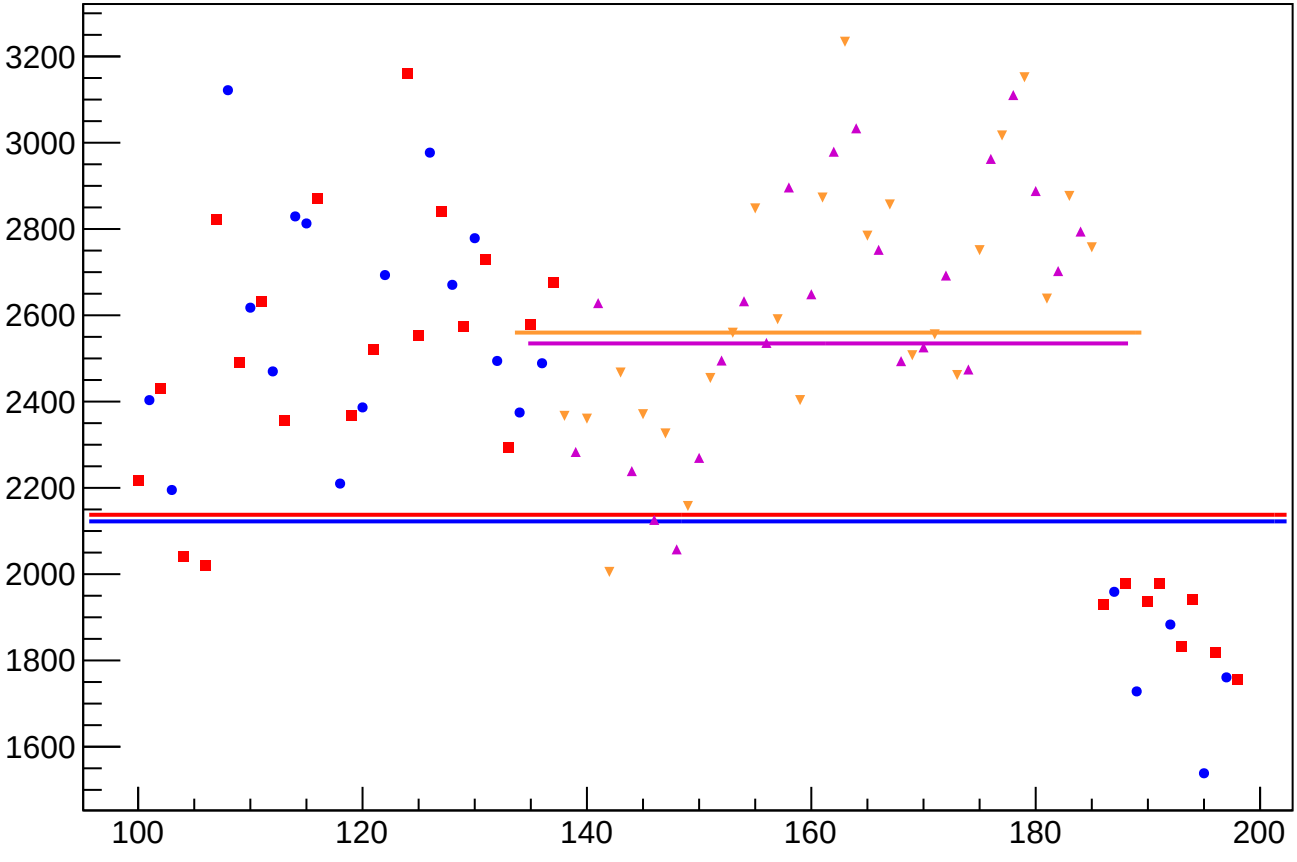
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

\+ sign -0.422+/-0.441 χ^2/NDF: 1905.4/45

All: 0.147+/-0.306 χ^2/NDF: 3815.5/95

\- sign 0.679+/-0.426 χ^2/NDF: 1906.8/49

diff_bpm1i06Y_rms vs Slug



Right In: 2122.345+/-0.473 χ^2/NDF: 849523.4/20

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

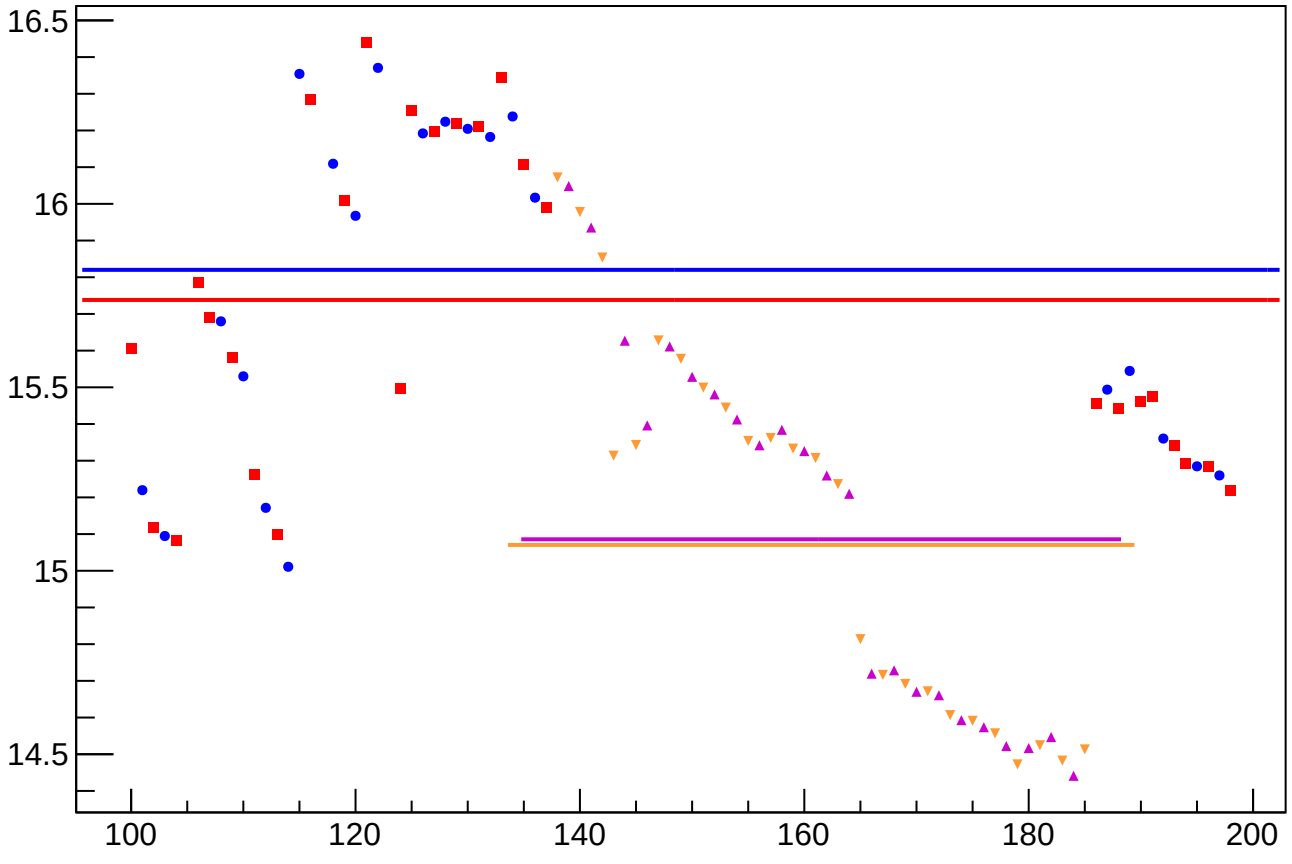
Right Out: 2137.640+/-0.429 χ^2/NDF: 615781.4/26

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2369.924+/-0.312 χ^2/NDF: 1784142.0/45

All: 2353.946+/-0.217 χ^2/NDF: 3302797.8/95

- sign 2339.006+/-0.301 χ^2/NDF: 1513568.6/49



Right In: 15.820+/-0.000 χ^2/NDF: 8581440764.6/20

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.738+/-0.000 χ^2/NDF: 10389389316.6/26

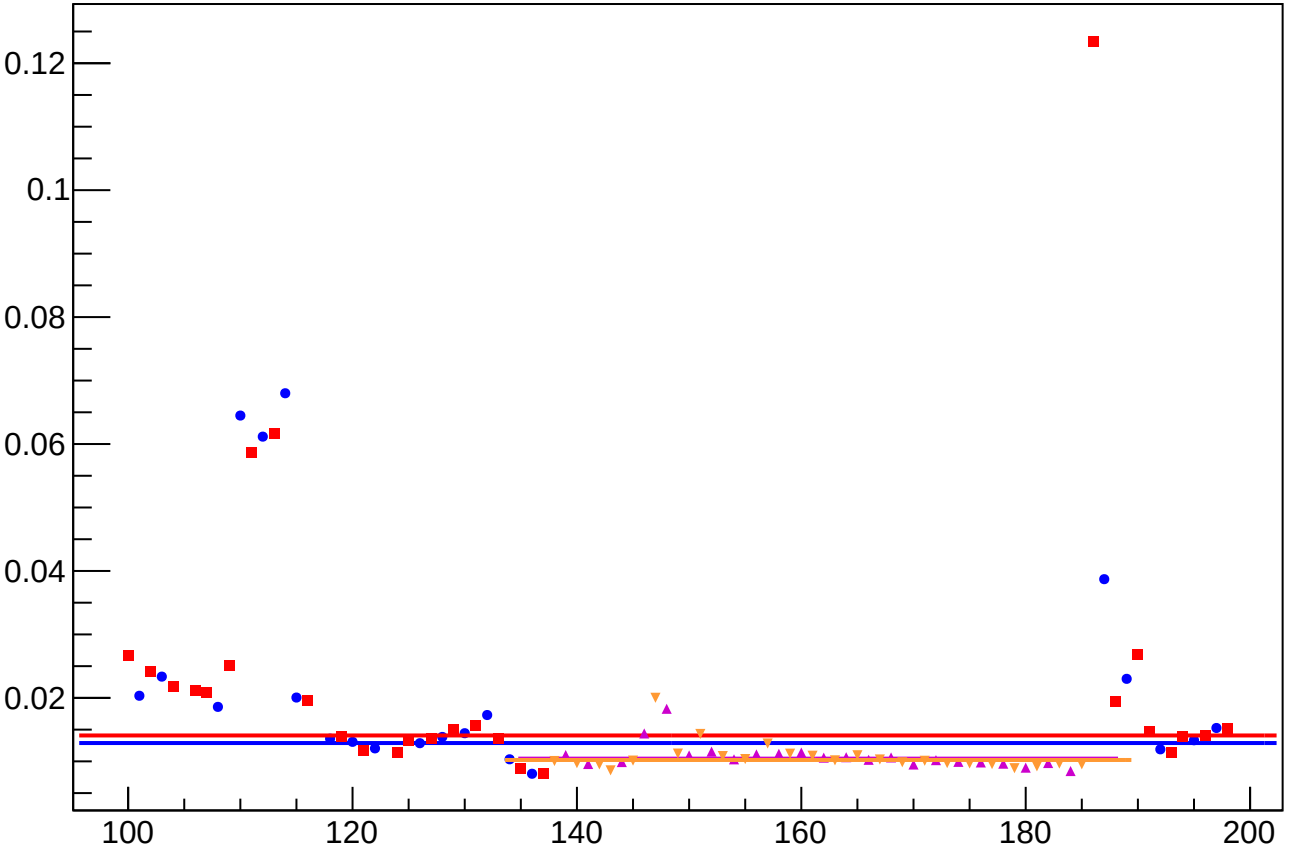
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.242+/-0.000 χ^2/NDF: 74696924990.5/45

All: 15.245+/-0.000 χ^2/NDF: 141309284429.

- sign 15.248+/-0.000 χ^2/NDF: 66608826711.3/49

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2738070.0/20

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3229818.3/26

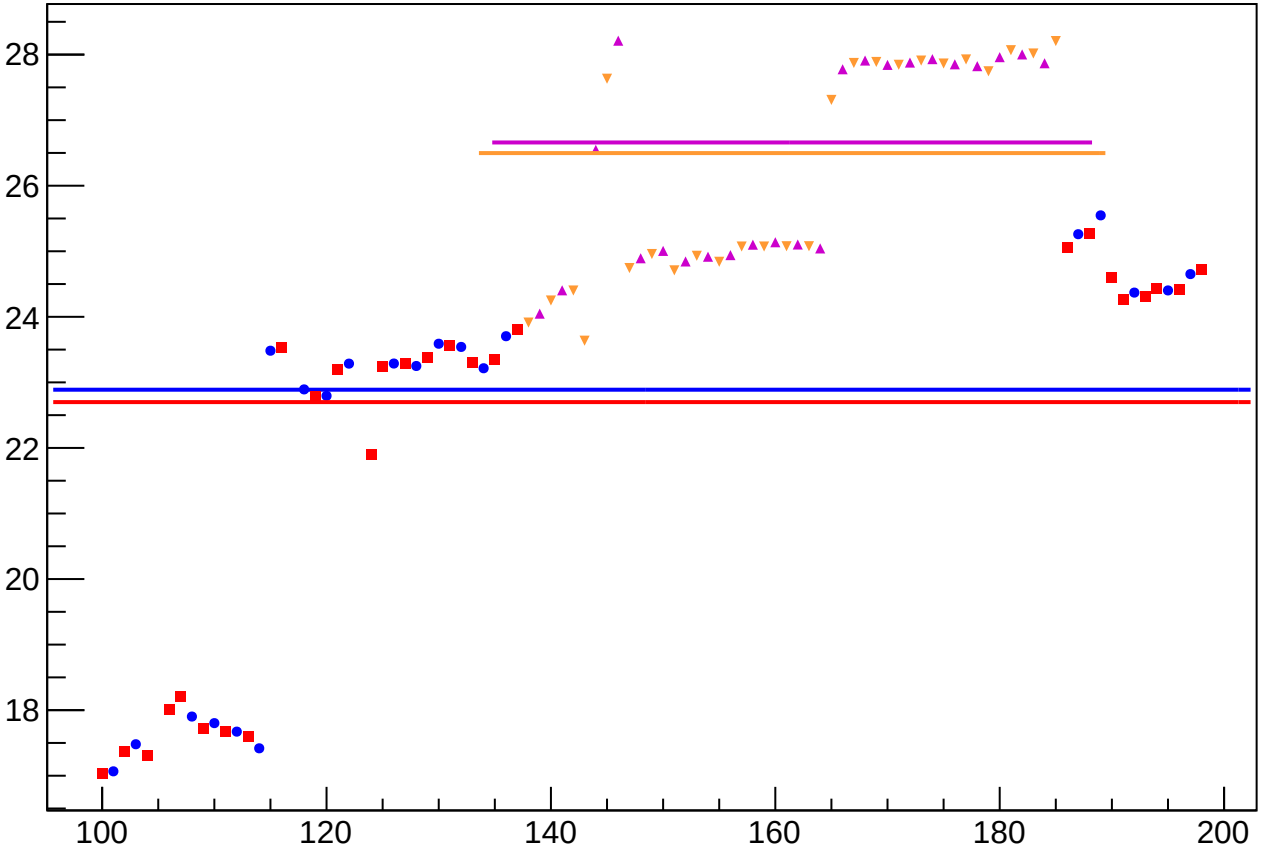
Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4066379.0/45

All: 0.011+/-0.000 χ^2/NDF: 8997869.8/95

- sign 0.011+/-0.000 χ^2/NDF: 4875450.9/49

yield_sam2_mean vs Slug



Right In: 22.888+/-0.000 χ^2/NDF: 1332207568.5/20

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.699+/-0.000 χ^2/NDF: 1436271076.8/26

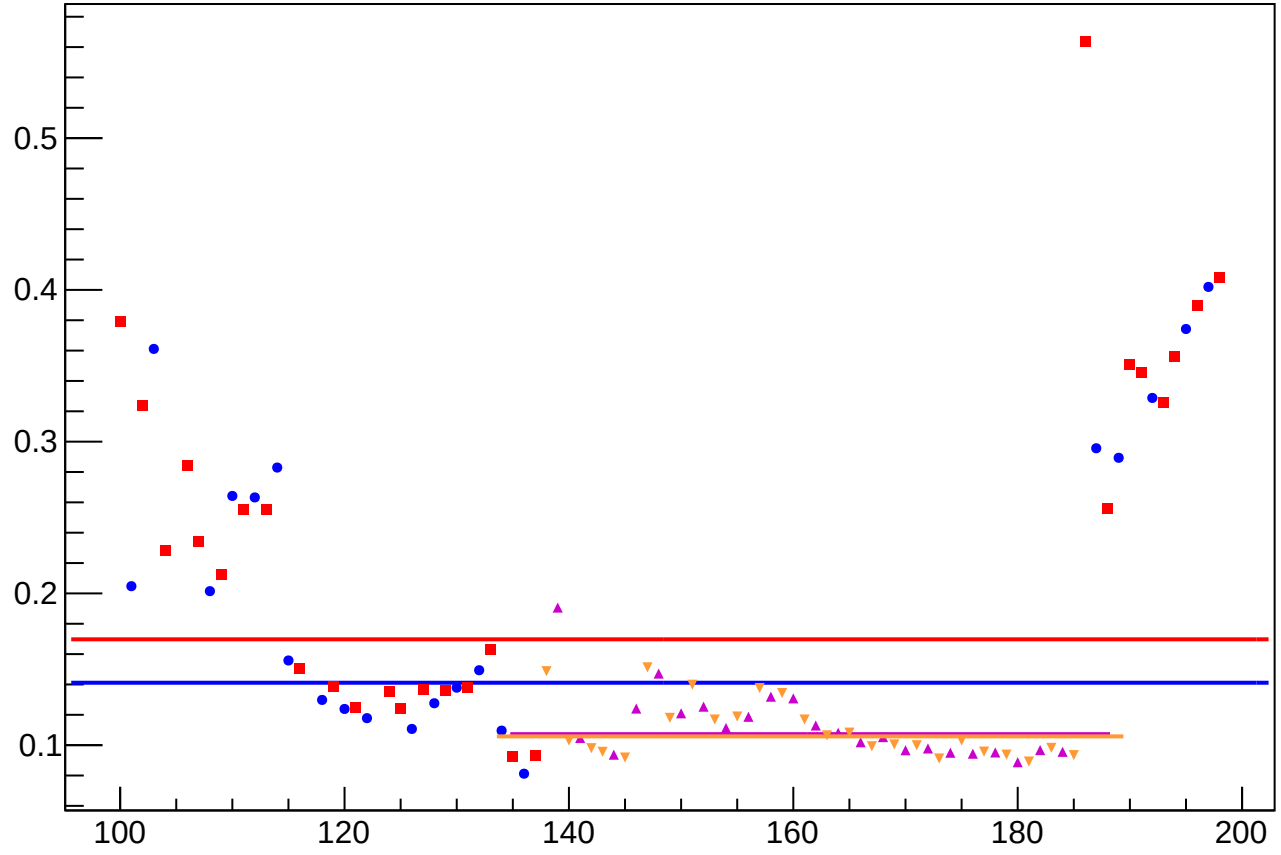
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.774+/-0.000 χ^2/NDF: 9113624900.9/45

All: 25.833+/-0.000 χ^2/NDF: 17556914775.6

- sign 25.897+/-0.000 χ^2/NDF: 8429953257.3/49

yield_sam2_rms vs Slug



Right In: 0.141+/-0.000 χ^2/NDF: 4278678.0/20

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.170+/-0.000 χ^2/NDF: 4791285.3/26

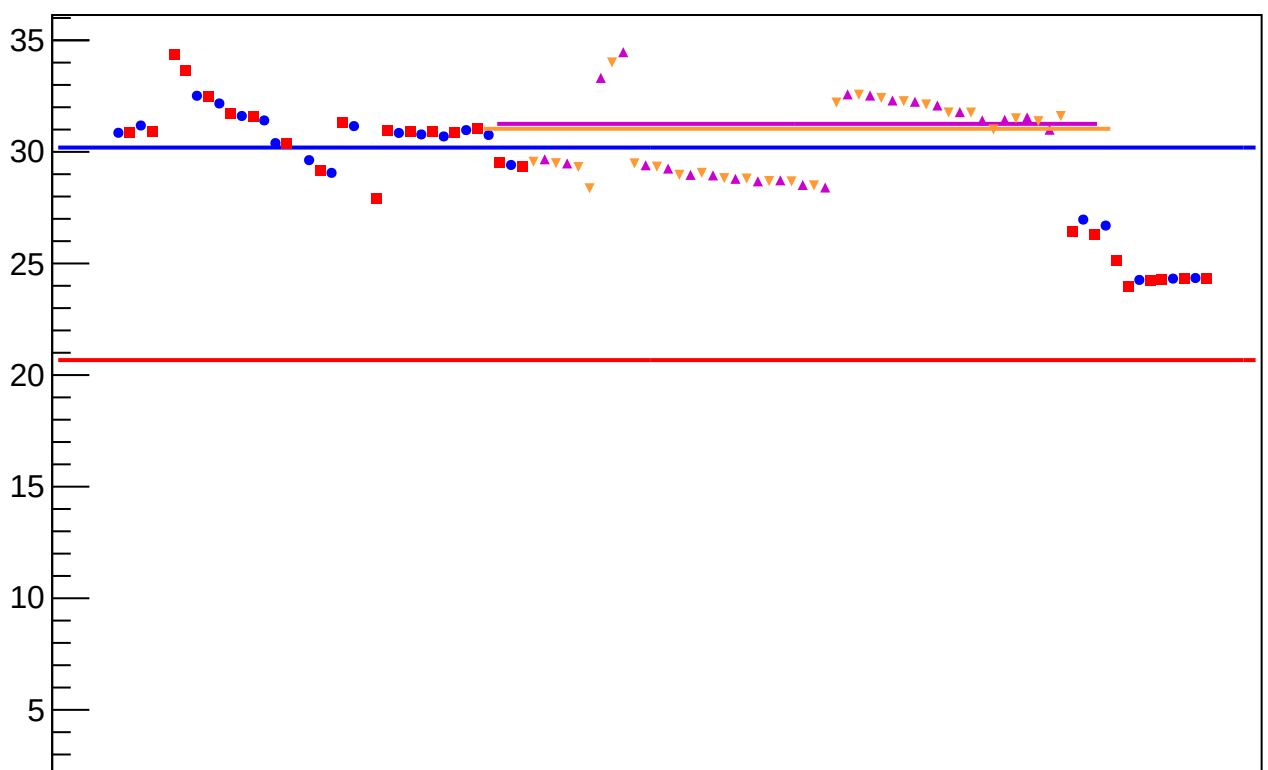
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.113+/-0.000 χ^2/NDF: 5777839.8/45

All: 0.116+/-0.000 χ^2/NDF: 13545695.0/95

- sign 0.119+/-0.000 χ^2/NDF: 7695115.4/49

yield_sam3_mean vs Slug



Right In: 30.194+/-0.000 χ^2/NDF: 2362017422.6/20

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.671+/-0.000 χ^2/NDF: 223802678125.2/26

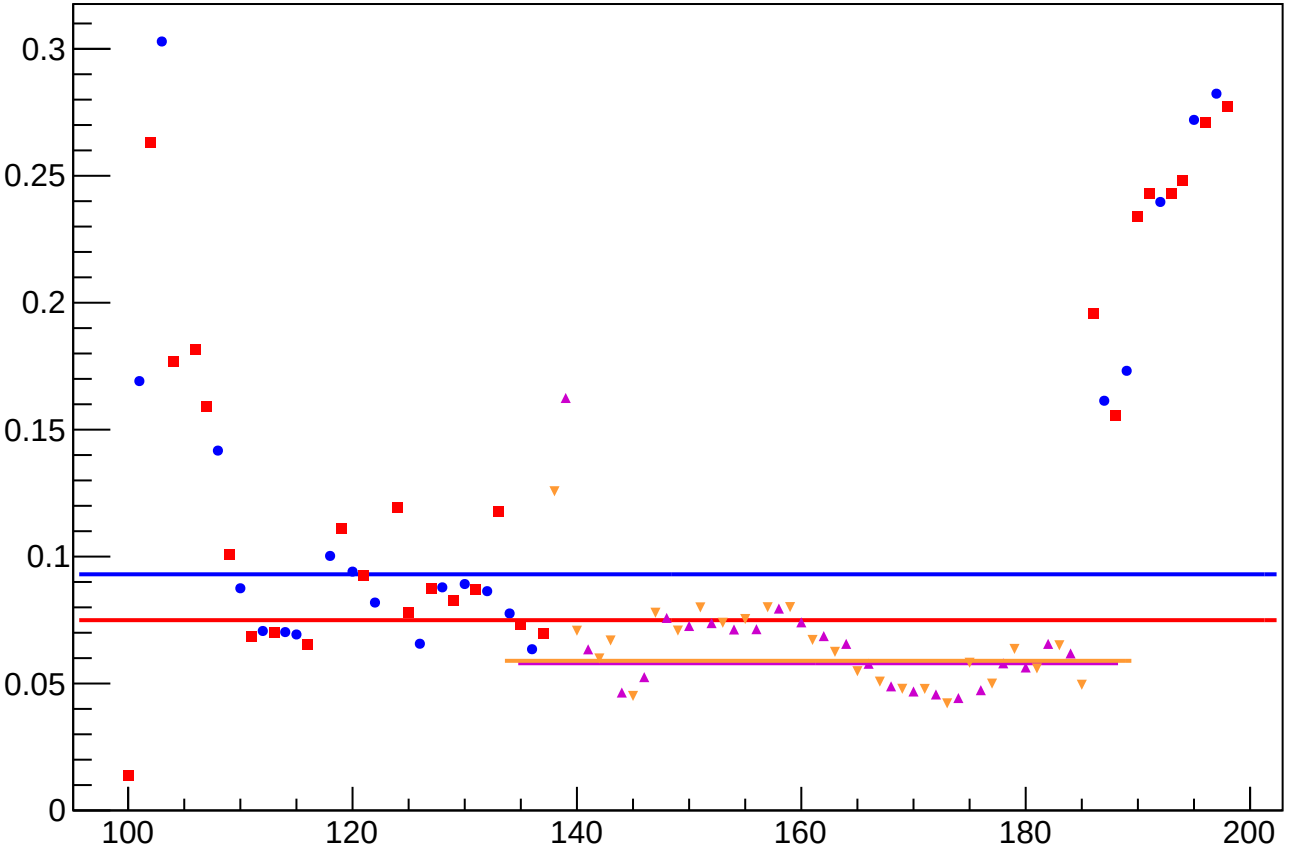
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.898+/-0.000 χ^2/NDF: 14753422788.9/45

All: 29.869+/-0.000 χ^2/NDF: 365584872520.

- sign 28.879+/-0.000 χ^2/NDF: 340200566792.1/49

yield_sam3_rms vs Slug



Right In: 0.093+/-0.000 χ^2/NDF: 3880720.0/20

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.075+/-0.000 χ^2/NDF: 9069077.3/26

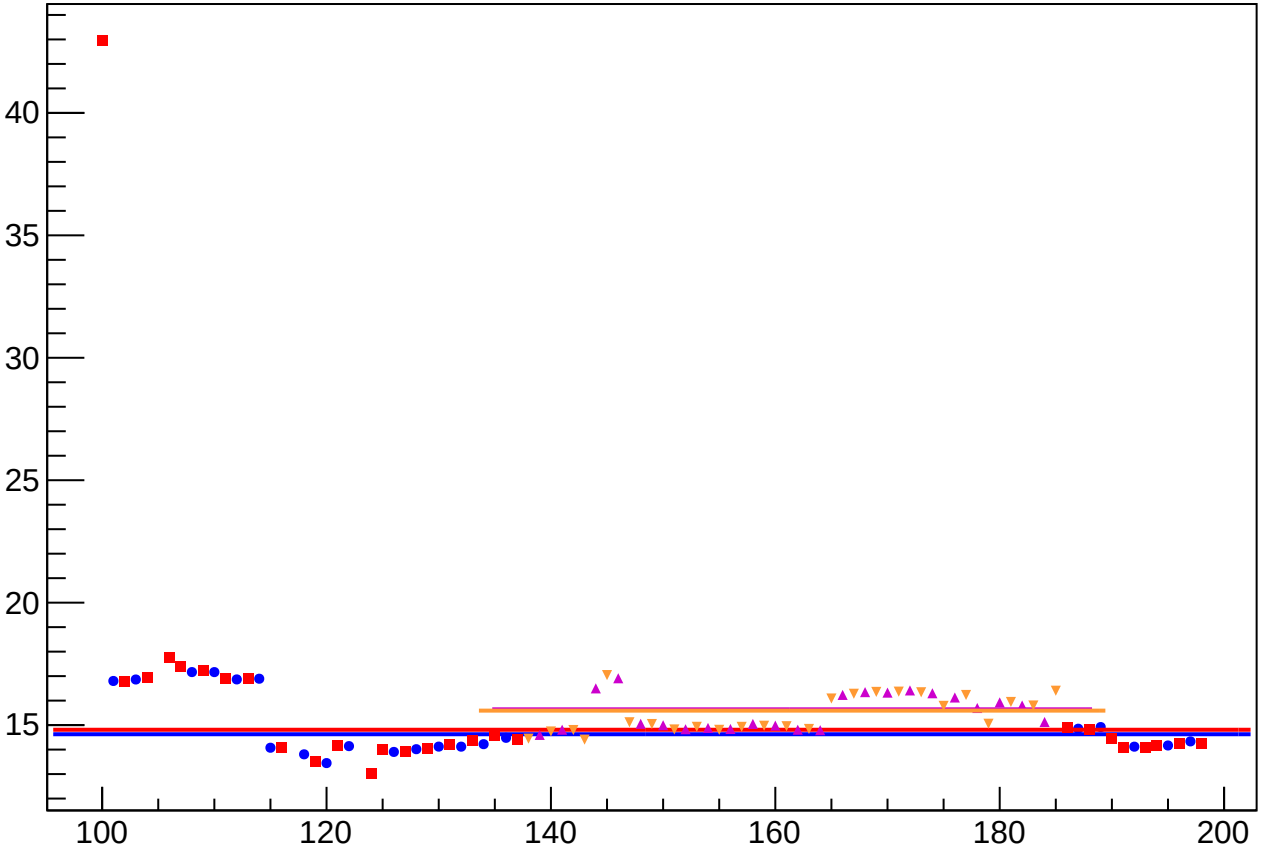
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.065+/-0.000 χ^2/NDF: 7039757.5/45

All: 0.063+/-0.000 χ^2/NDF: 18397272.4/95

- sign 0.062+/-0.000 χ^2/NDF: 11319312.4/49

yield_sam4_mean vs Slug



Right In: 14.627+/-0.000 χ^2/NDF: 1205740784.2/20

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.810+/-0.000 χ^2/NDF: 1763462923.3/26

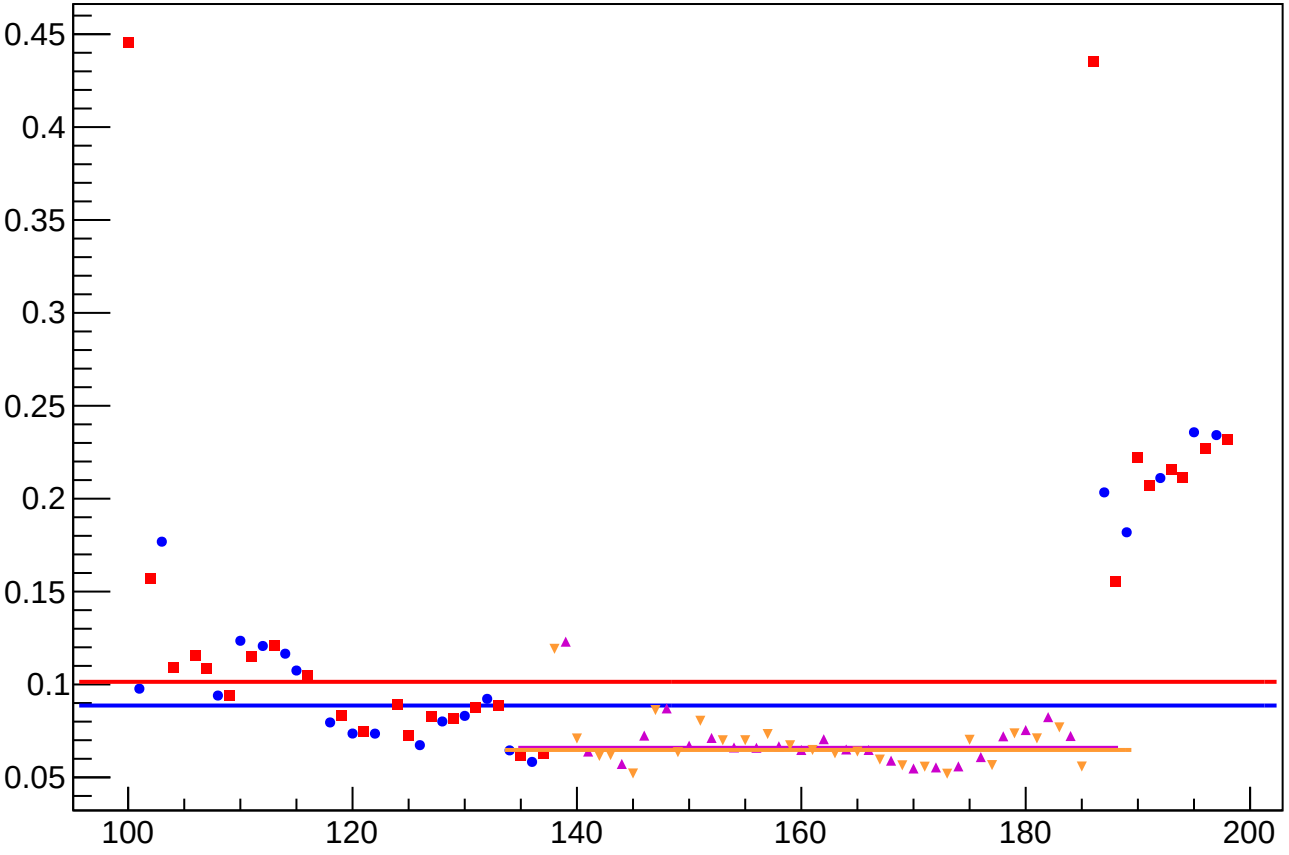
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.393+/-0.000 χ^2/NDF: 4209597162.8/45

All: 15.430+/-0.000 χ^2/NDF: 8364967072.2/9

- sign 15.471+/-0.000 χ^2/NDF: 4141110953.9/49

yield_sam4_rms vs Slug



Right In: 0.089+/-0.000 χ^2/NDF: 3396997.6/20

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.101+/-0.000 χ^2/NDF: 4088056.5/26

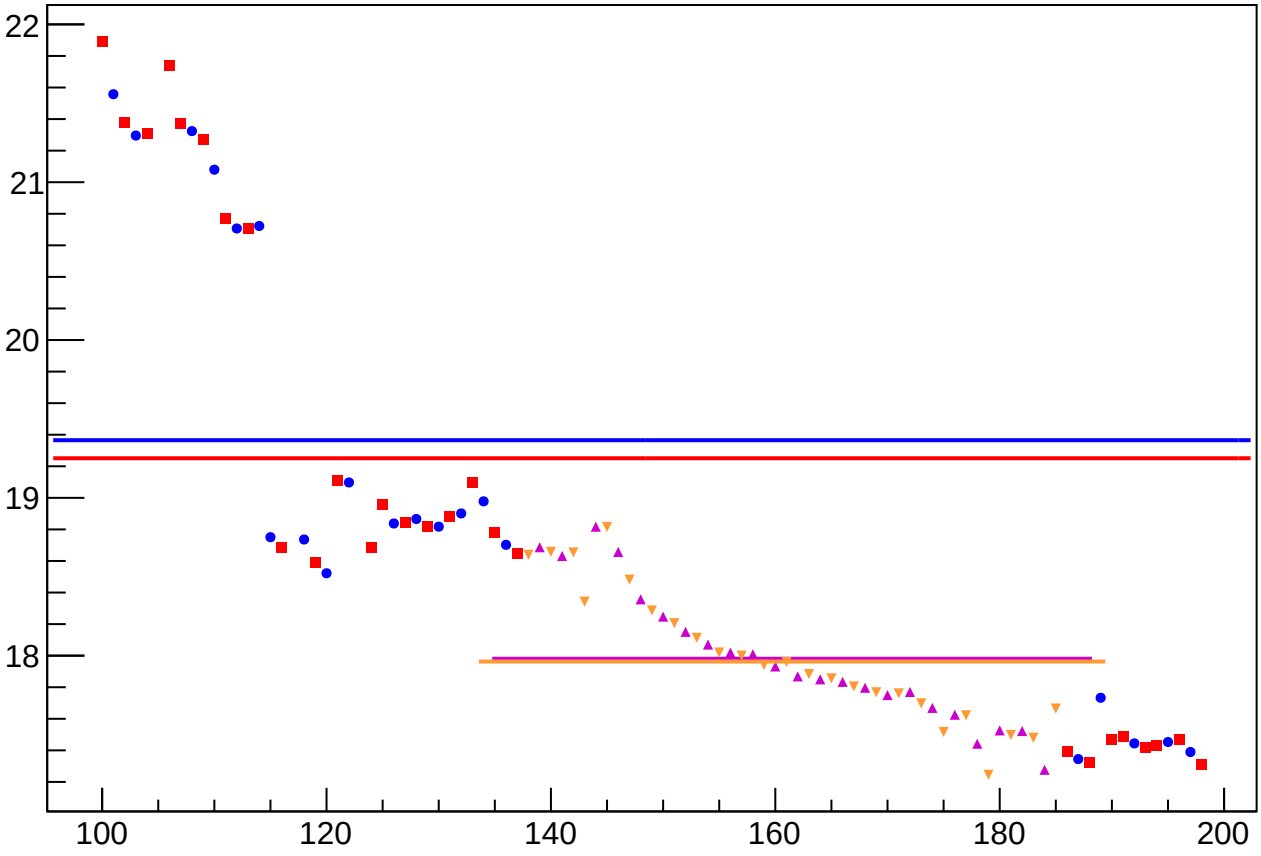
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.070+/-0.000 χ^2/NDF: 5170068.1/45

All: 0.071+/-0.000 χ^2/NDF: 11988908.4/95

- sign 0.073+/-0.000 χ^2/NDF: 6756941.1/49

yield_sam5_mean vs Slug



Right In: 19.365+/-0.000 χ^2/NDF: 21400700337.4/20

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.251+/-0.000 χ^2/NDF: 27113097543.9/26

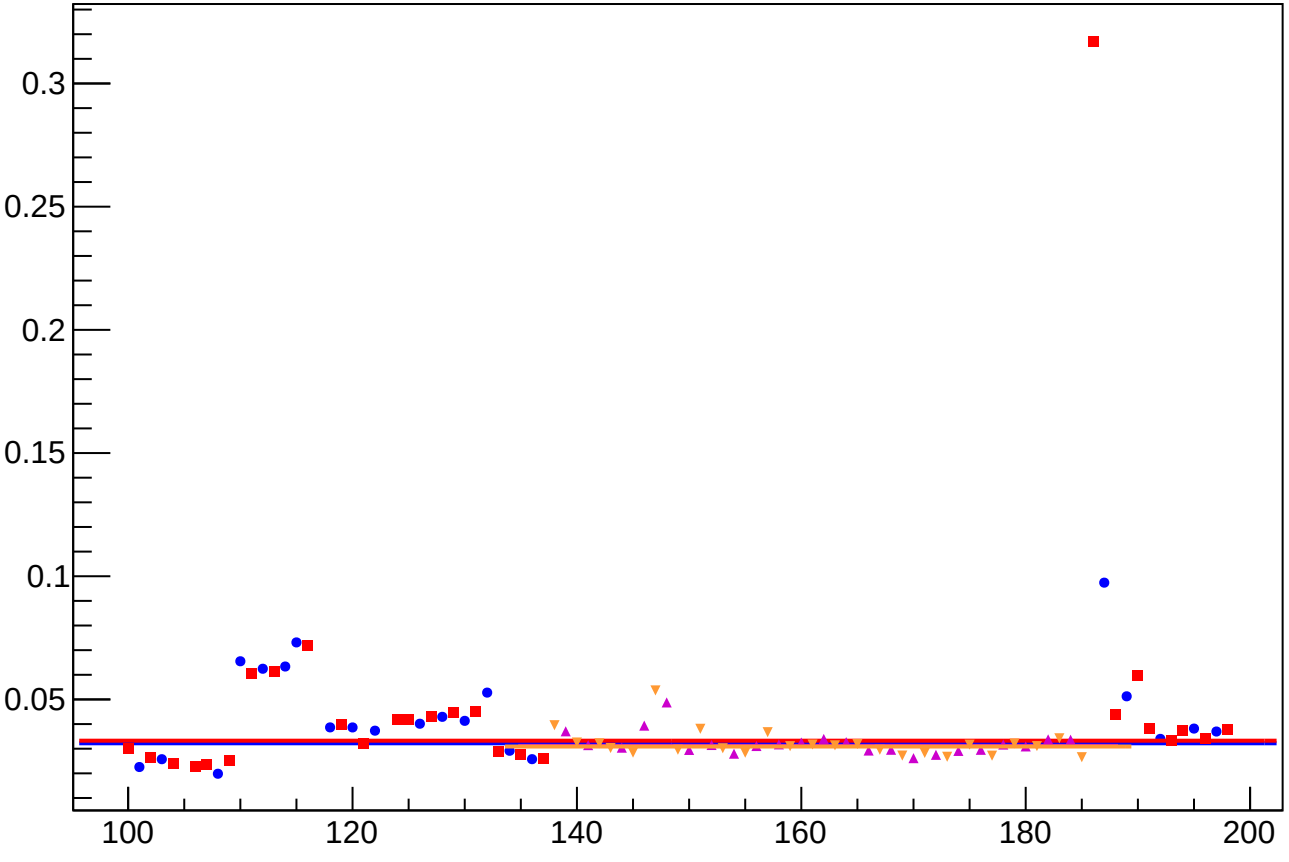
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.399+/-0.000 χ^2/NDF: 36180364351.5/45

All: 18.414+/-0.000 χ^2/NDF: 76227687528.4

- sign 18.430+/-0.000 χ^2/NDF: 40034180146.3/49

yield_sam5_rms vs Slug



Right In: 0.032+/-0.000 χ^2/NDF: 1863666.3/20

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.033+/-0.000 χ^2/NDF: 2180660.6/26

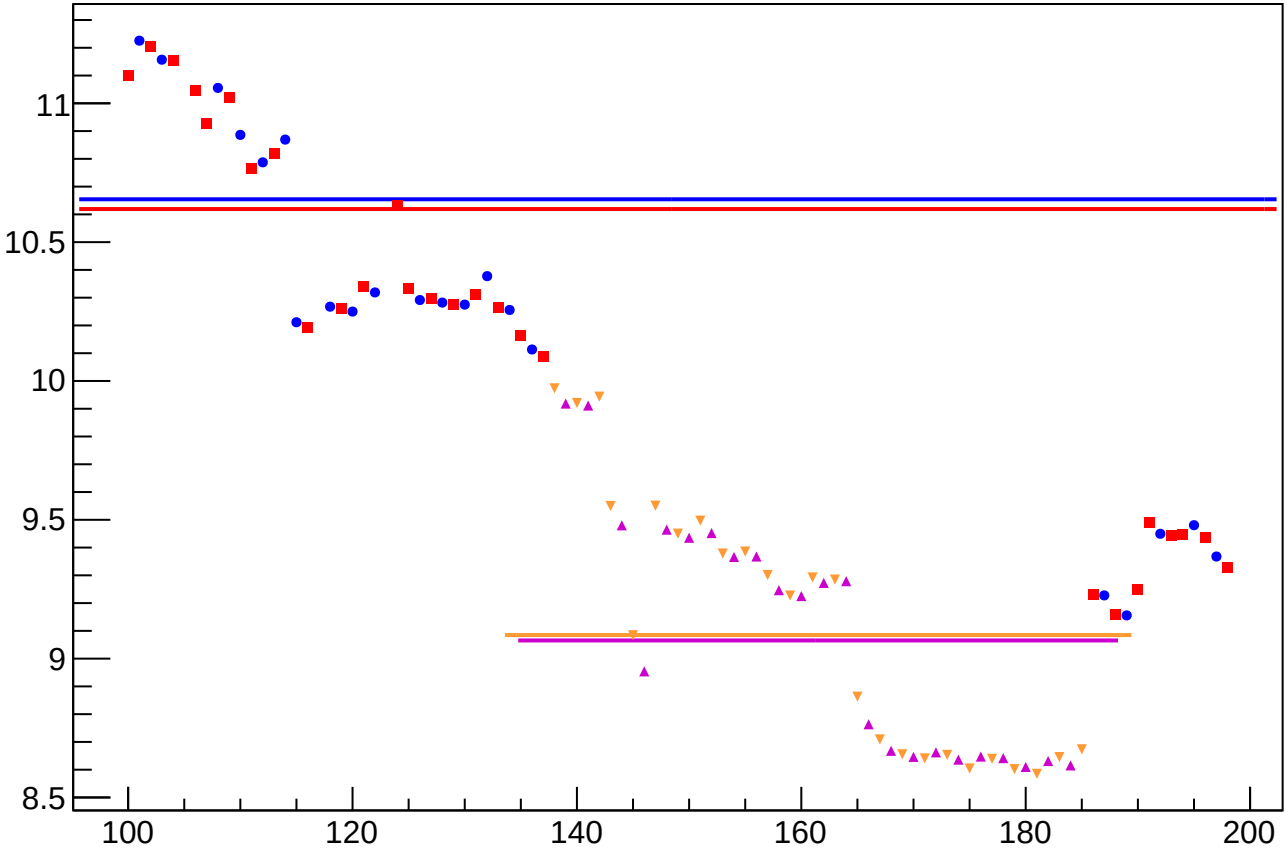
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2517660.4/45

All: 0.032+/-0.000 χ^2/NDF: 5247836.4/95

- sign 0.032+/-0.000 χ^2/NDF: 2720516.1/49

yield_sam6_mean vs Slug



Right In: 10.654+/-0.000 χ^2/NDF: 8875416527.6/20

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.619+/-0.000 χ^2/NDF: 9163160791.9/26

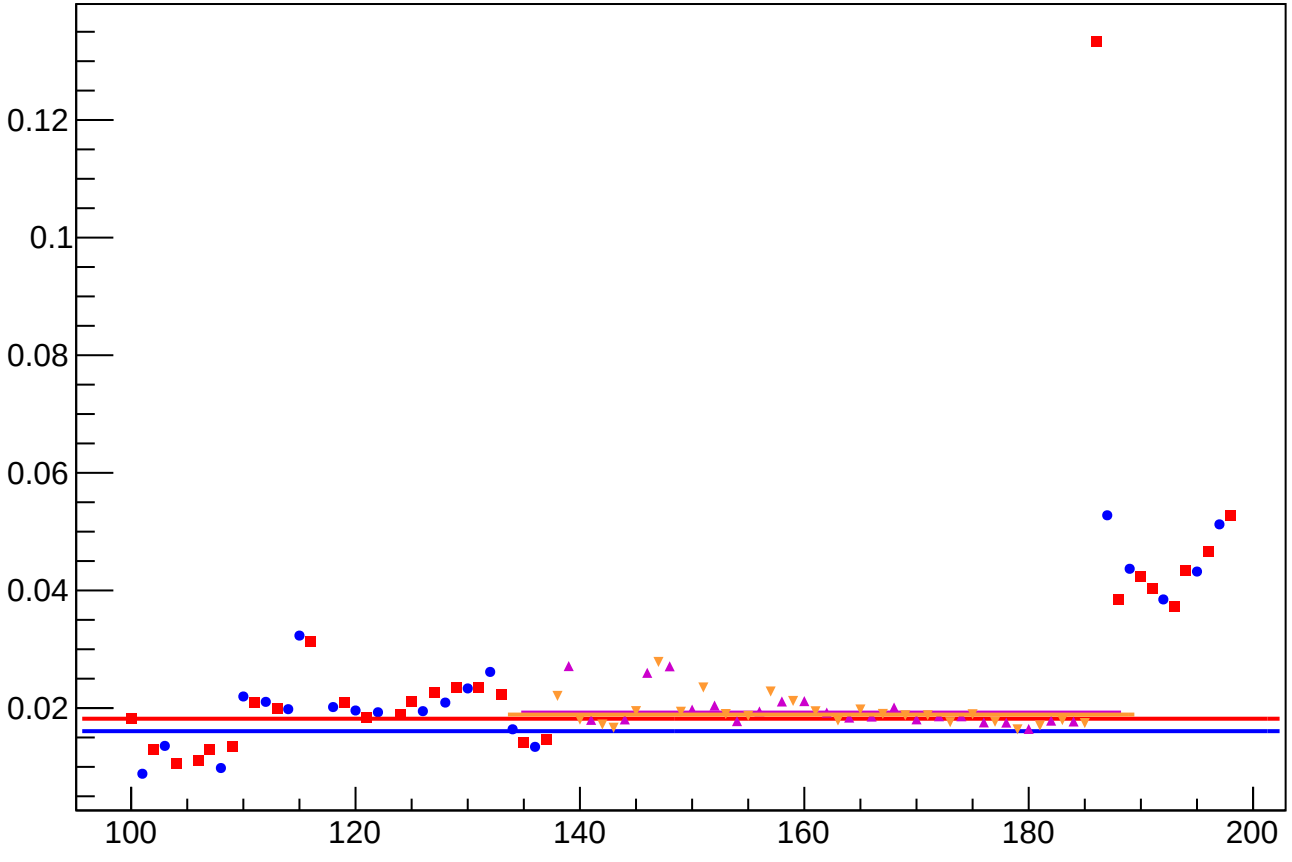
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.671+/-0.000 χ^2/NDF: 64399960329.0/45

All: 9.668+/-0.000 χ^2/NDF: 123404242628.5

- sign 9.666+/-0.000 χ^2/NDF: 59003309416.1/49

yield_sam6_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 4322432.3/20

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.018+/-0.000 χ^2/NDF: 5214401.8/26

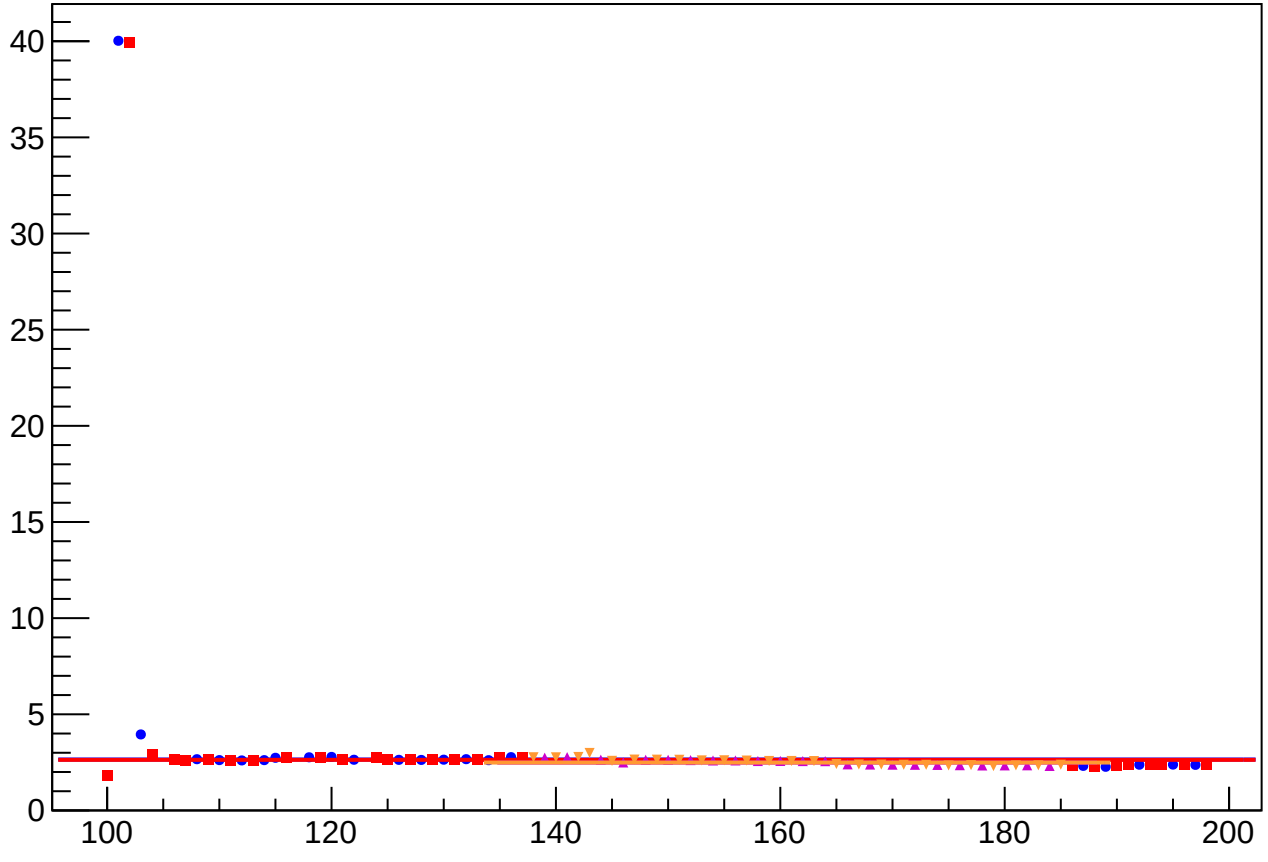
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 5056609.5/45

All: 0.018+/-0.000 χ^2/NDF: 10923287.3/95

- sign 0.019+/-0.000 χ^2/NDF: 5792810.0/49

yield_sam7_mean vs Slug



Right In: 2.649+/-0.000 χ^2/NDF: 74604787569.5/20

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.631+/-0.000 χ^2/NDF: 76143881118.1/26

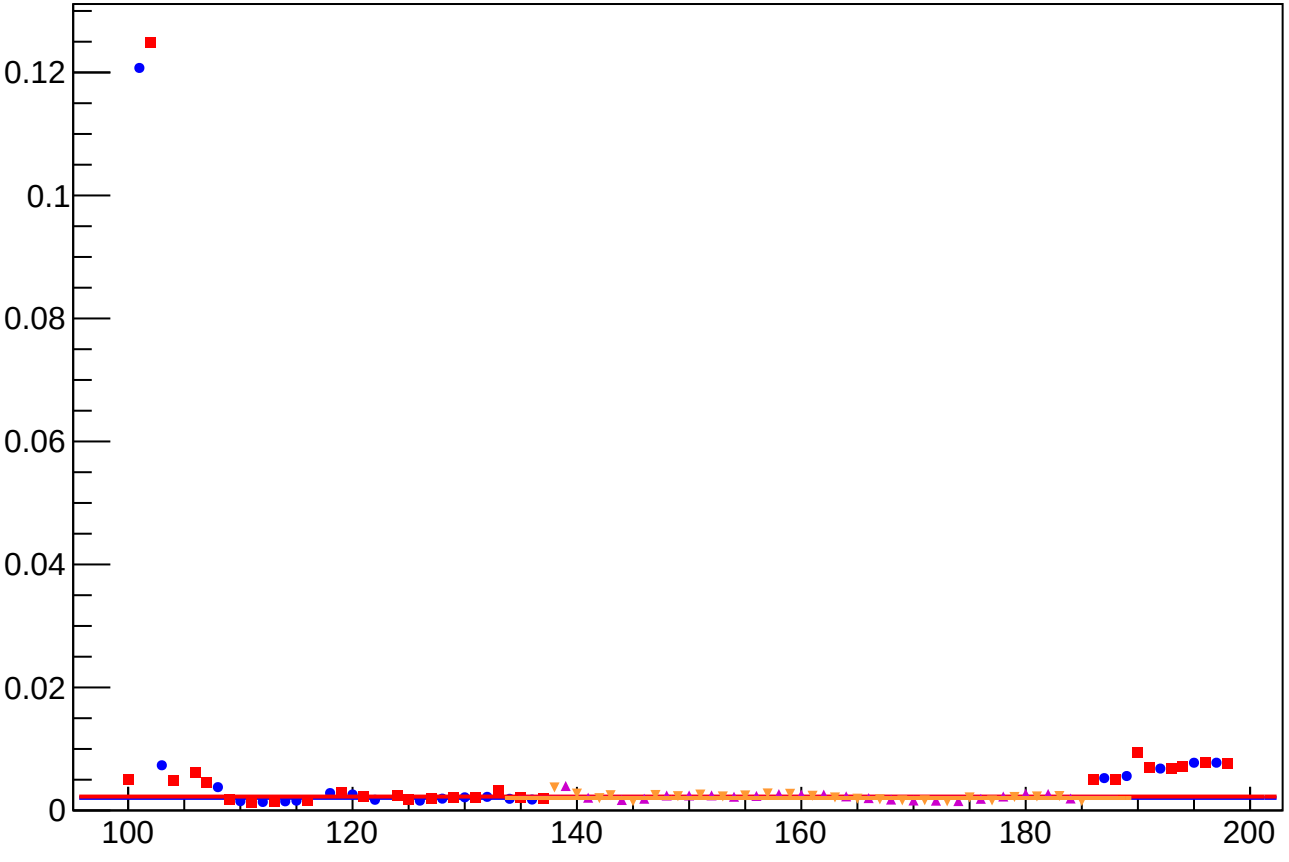
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.536+/-0.000 χ^2/NDF: 193887686488.9/45

All: 2.535+/-0.000 χ^2/NDF: 352859219252.1

- sign 2.532+/-0.000 χ^2/NDF: 158930922559.9/49

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5251276.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

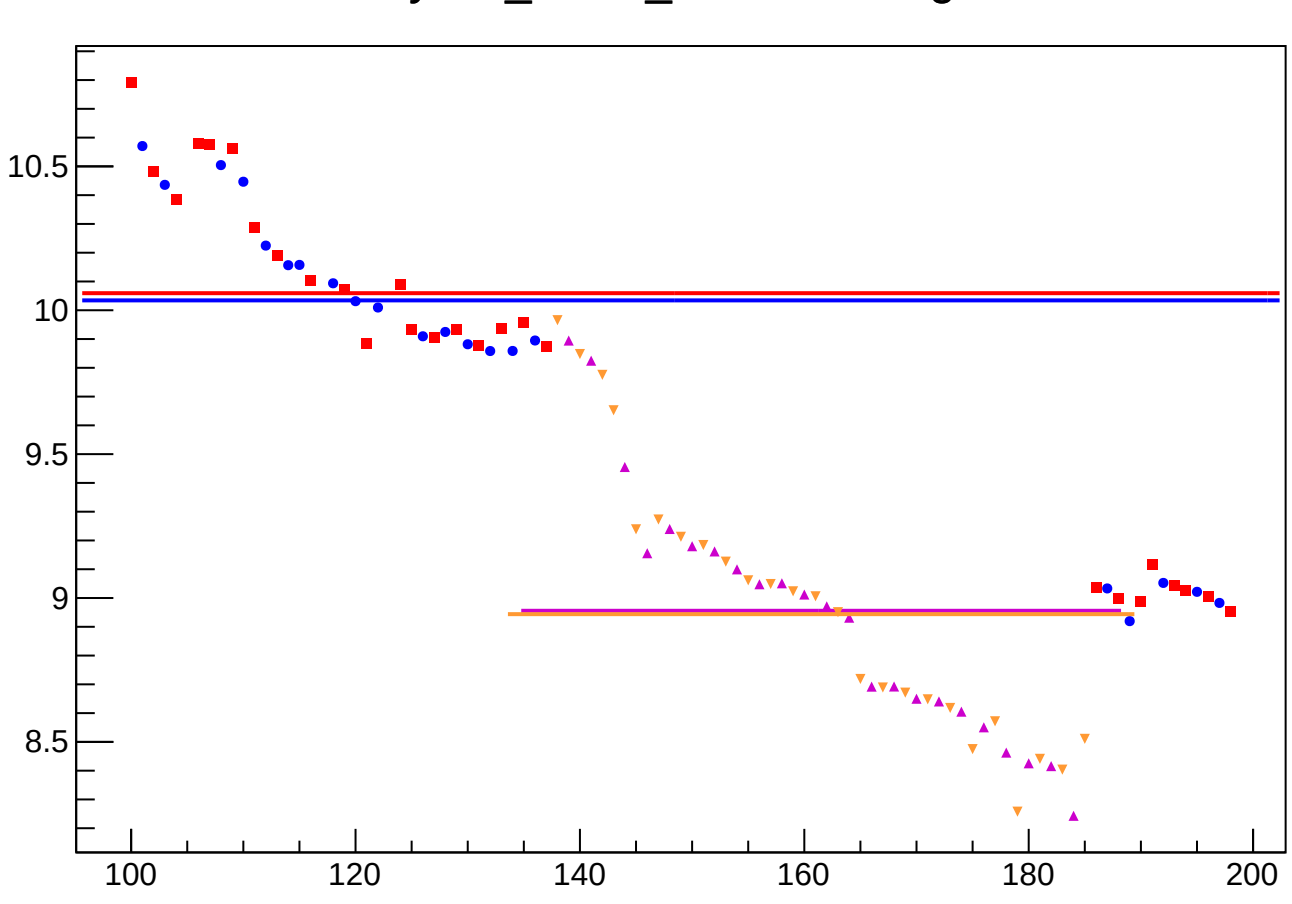
Right Out: 0.002+/-0.000 χ^2/NDF: 7425111.3/26

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 6808654.8/45

All: 0.002+/-0.000 χ^2/NDF: 15760490.2/95

- sign 0.002+/-0.000 χ^2/NDF: 8905732.3/49



Right In: 10.034+/-0.000 χ^2/NDF: 24265757543.4/20

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.059+/-0.000 χ^2/NDF: 34313383904.0/26

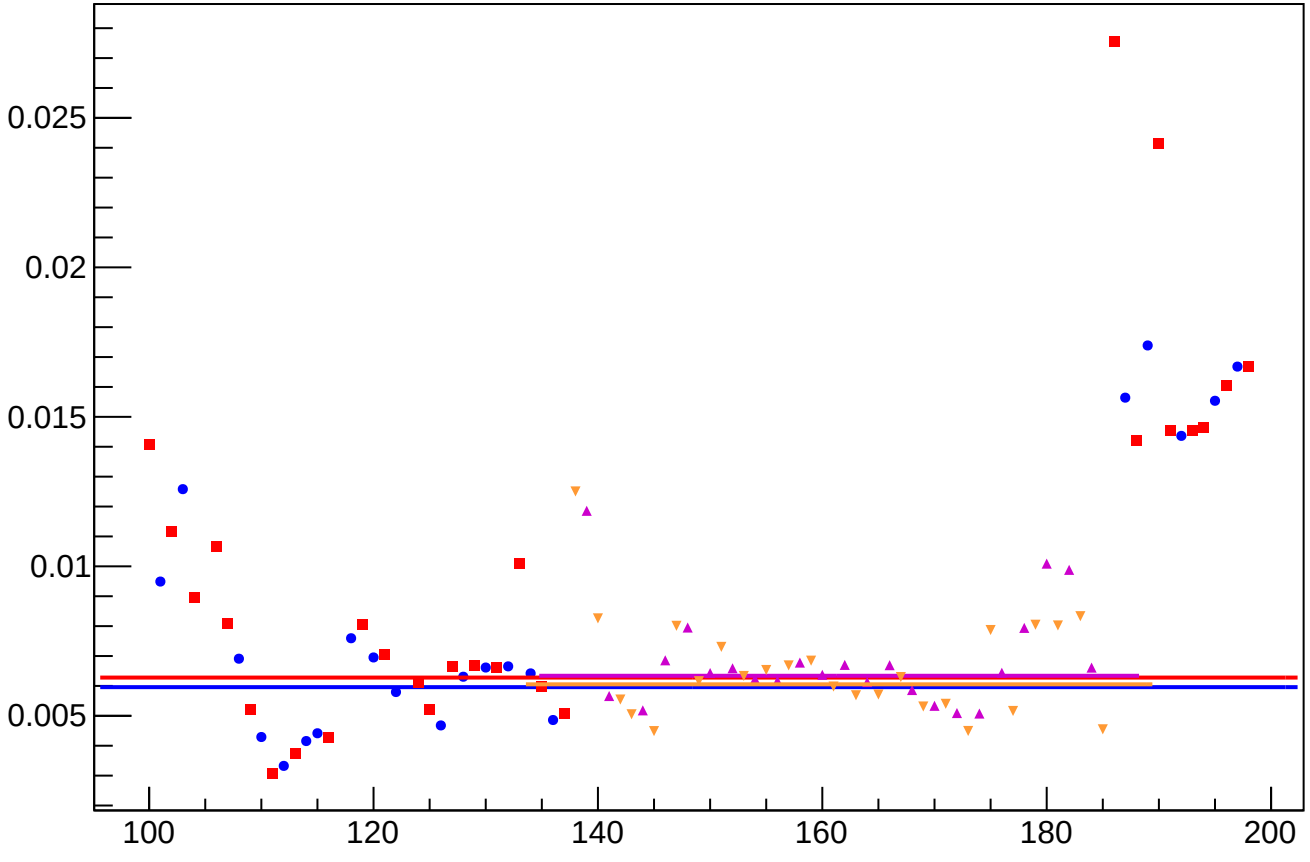
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.306+/-0.000 χ^2/NDF: 254523970046.5/45

All: 9.337+/-0.000 χ^2/NDF: 507259808059.1

- sign 9.370+/-0.000 χ^2/NDF: 251503613644.2/49

yield_sam8_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 4002669.1/20

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6074552.8/26

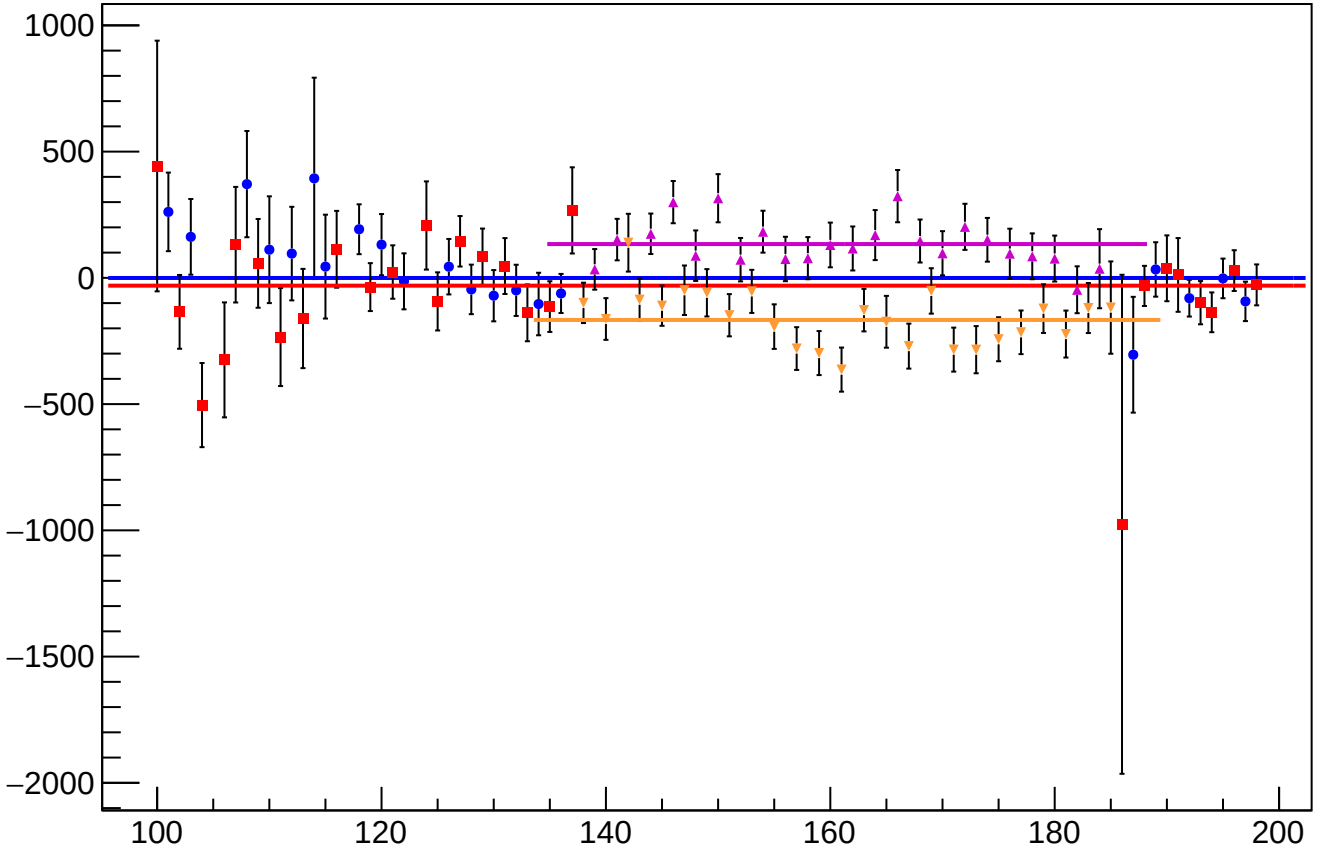
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 5466158.9/45

All: 0.006+/-0.000 χ^2/NDF: 12769119.7/95

- sign 0.006+/-0.000 χ^2/NDF: 7250795.7/49

reg_asym_sam1_mean vs Slug



Right In: -0.434+/-24.436 χ^2/NDF: 20.6/20

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -30.859+/-22.913 χ^2/NDF: 30.3/26

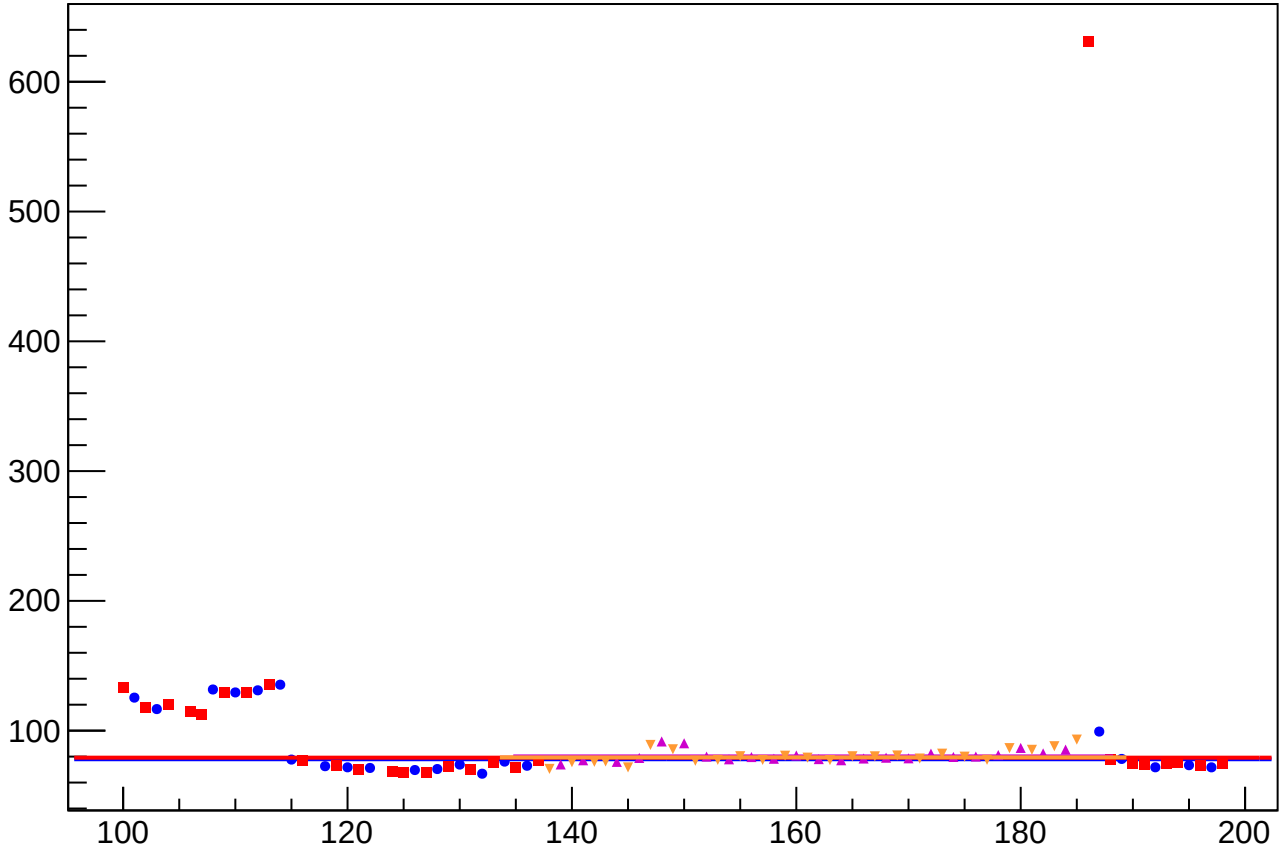
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -107.869+/-14.534 χ^2/NDF: 82.2/45

All: -19.932+/-10.270 χ^2/NDF: 237.2/95

- sign 67.764+/-14.514 χ^2/NDF: 82.0/49

reg_asym_sam1_rms vs Slug



Right In: 77.973+/-0.017 χ^2/NDF: 903432.1/20

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 79.183+/-0.016 χ^2/NDF: 1604485.7/26

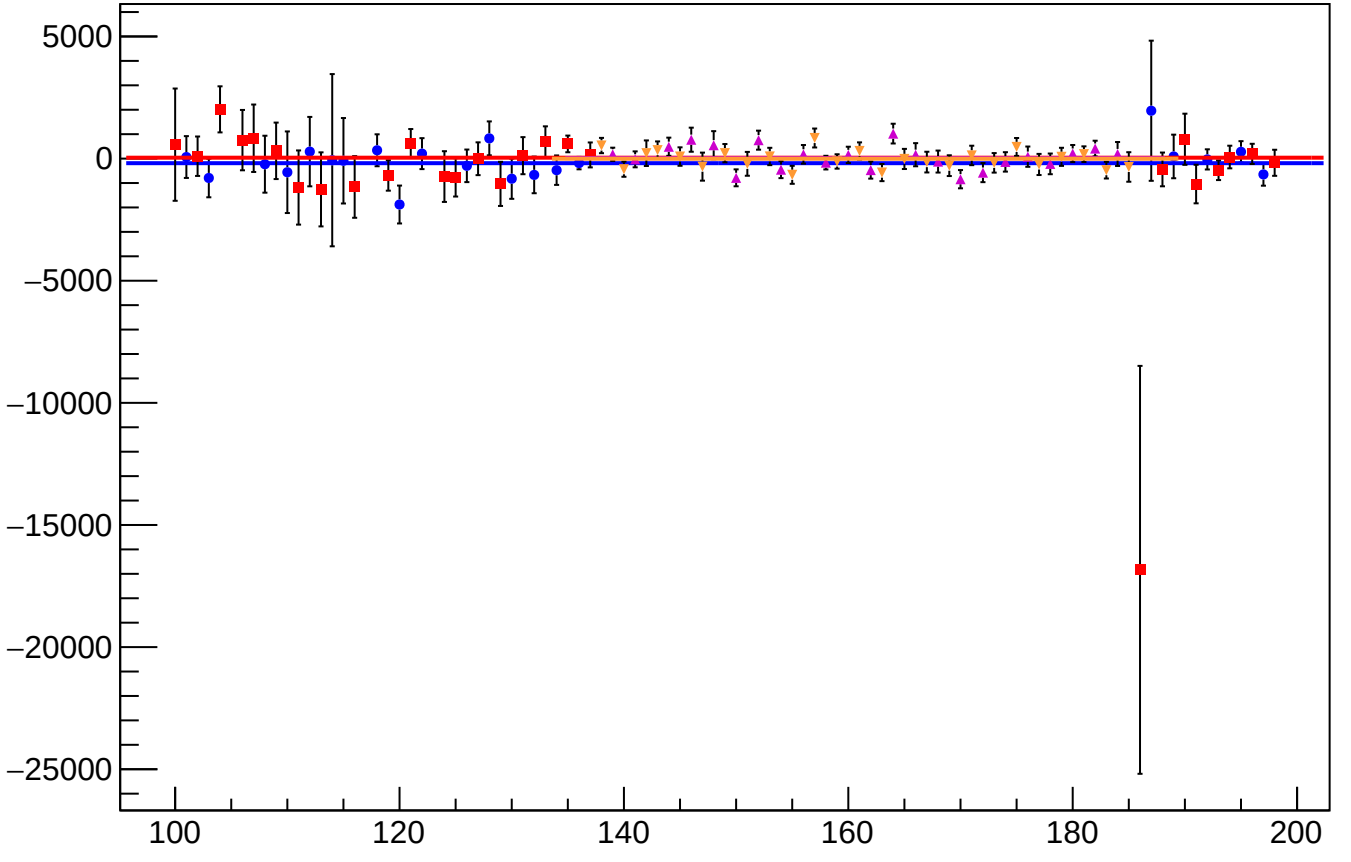
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.902+/-0.010 χ^2/NDF: 1042699.0/45

All: 79.336+/-0.007 χ^2/NDF: 2744388.0/95

- sign 79.768+/-0.010 χ^2/NDF: 1698131.5/49

asym_sam1_reg_correction_mean vs Slug



Right In: -187.561+/-135.485 χ^2/NDF: 13.0/20

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 36.995+/-129.913 χ^2/NDF: 25.6/26

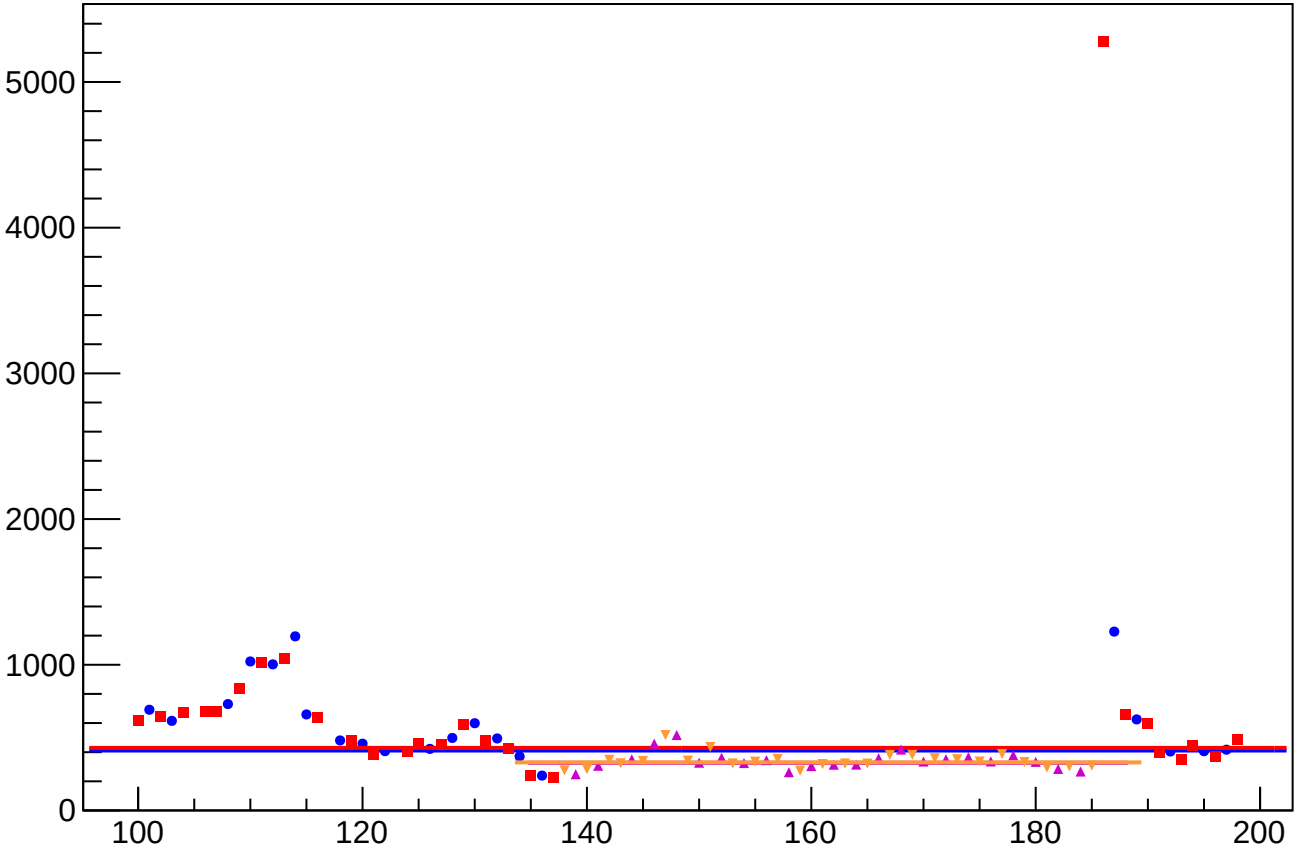
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -47.414+/-66.193 χ^2/NDF: 38.4/45

All: -11.943+/-46.942 χ^2/NDF: 99.6/95

- sign 23.947+/-66.582 χ^2/NDF: 60.6/49

asym_sam1_reg_correction_rms vs Slug



Right In: 411.469+/-0.096 χ^2/NDF: 2643356.7/20

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 429.430+/-0.092 χ^2/NDF: 3462611.6/26

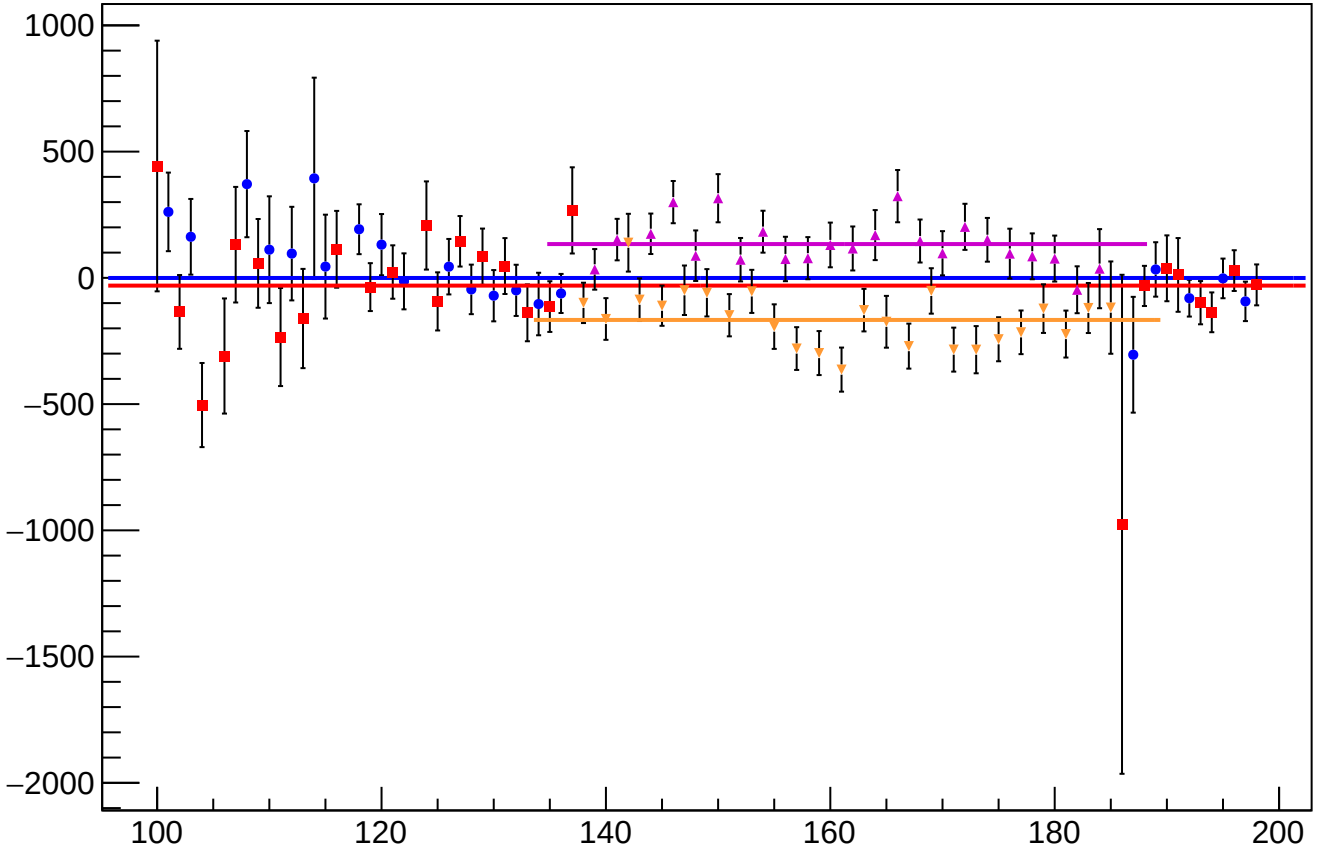
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 349.421+/-0.047 χ^2/NDF: 3853581.6/45

All: 351.637+/-0.033 χ^2/NDF: 9137413.7/95

- sign 353.878+/-0.047 χ^2/NDF: 5279324.8/49

cor_asym_sam1_mean vs Slug



Right In: -0.427+/-24.436 χ^2/NDF: 20.6/20

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -30.698+/-22.914 χ^2/NDF: 30.1/26

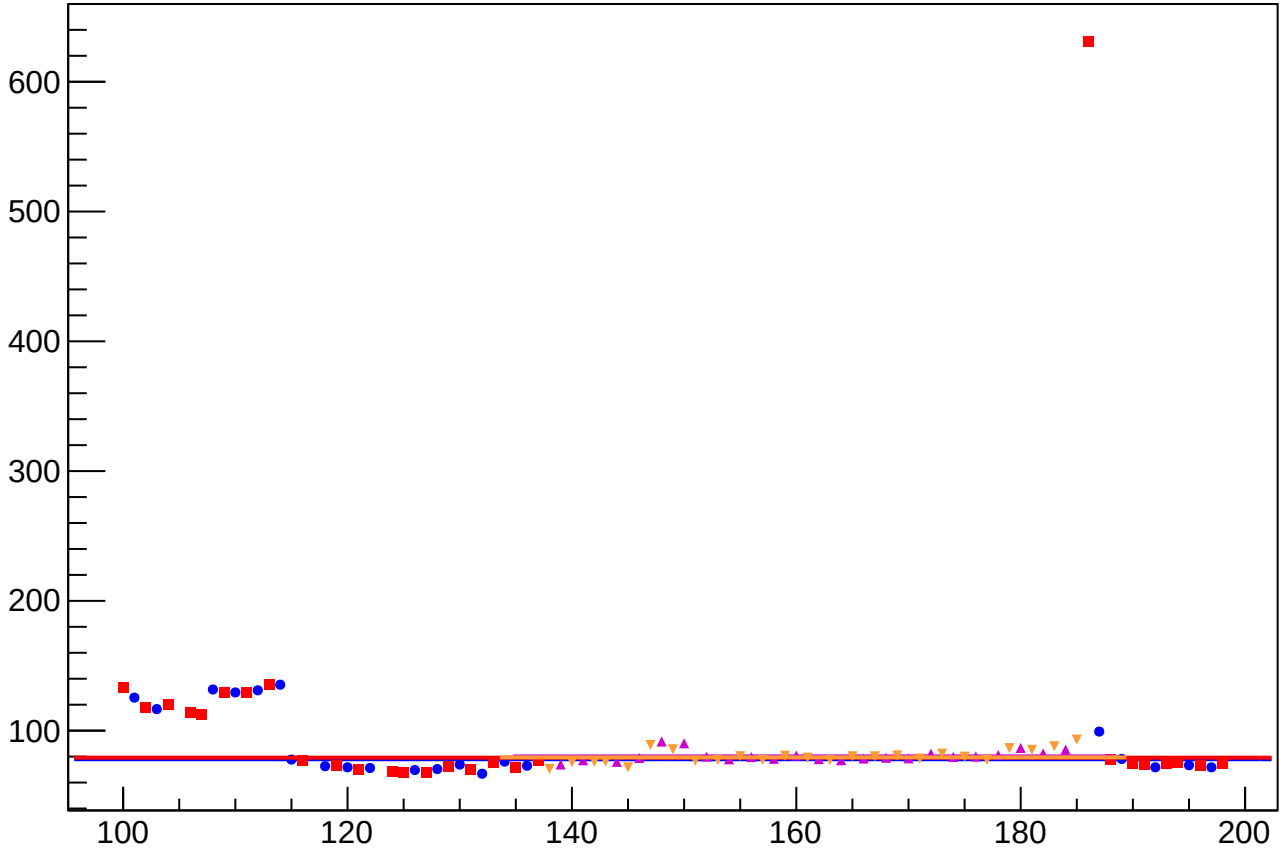
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -107.866+/-14.534 χ^2/NDF: 82.2/45

All: -19.895+/-10.270 χ^2/NDF: 237.1/95

- sign 67.834+/-14.514 χ^2/NDF: 81.7/49

cor_asym_sam1_rms vs Slug



Right In: 77.973+/-0.017 χ^2/NDF: 903432.3/20

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 79.175+/-0.016 χ^2/NDF: 1602438.5/26

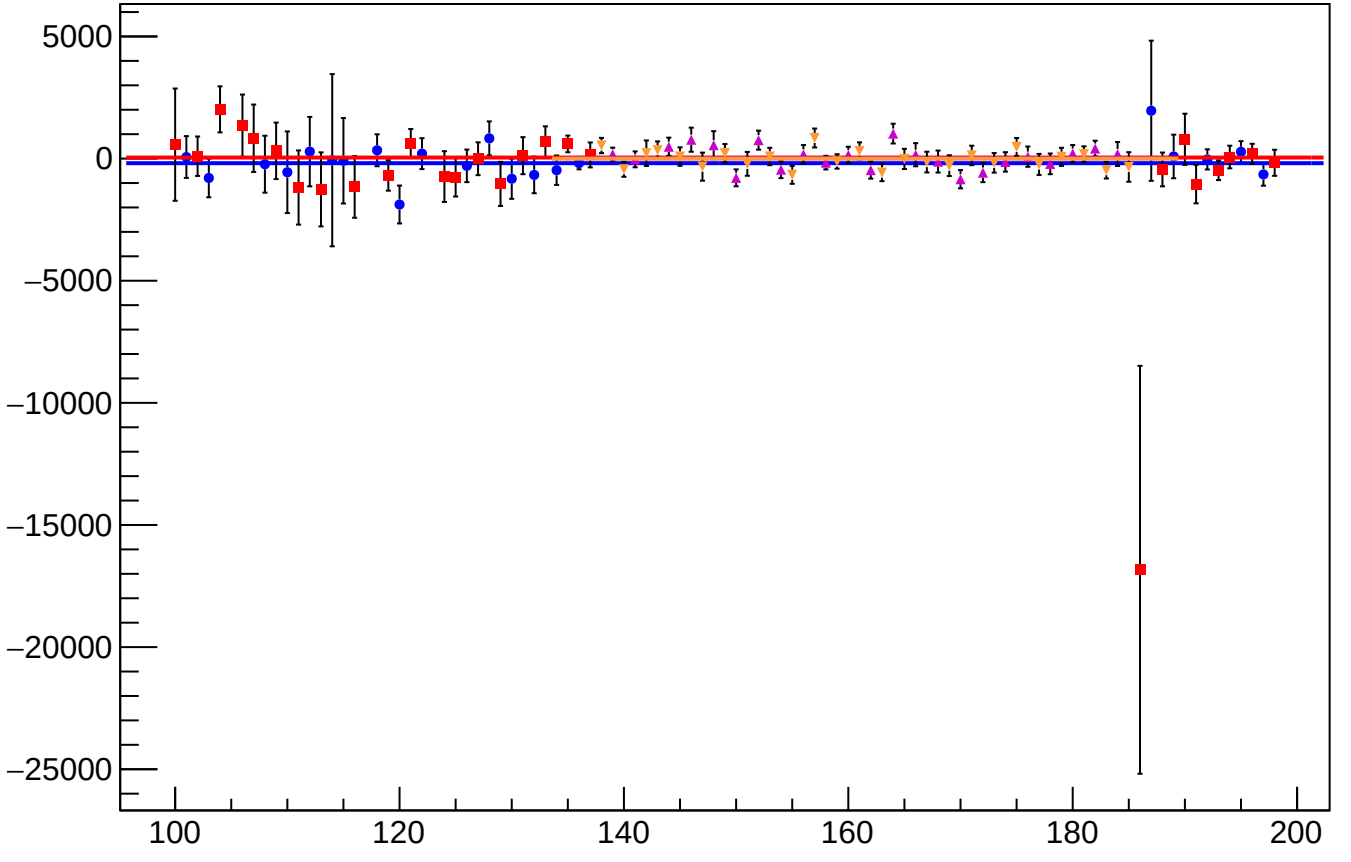
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.902+/-0.010 χ^2/NDF: 1042699.2/45

All: 79.334+/-0.007 χ^2/NDF: 2742350.9/95

- sign 79.765+/-0.010 χ^2/NDF: 1696121.3/49

asym_sam1_cor_correction_mean vs Slug



Right In: -187.558+/-135.485 χ^2/NDF: 13.0/20

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 42.680+/-129.956 χ^2/NDF: 26.3/26

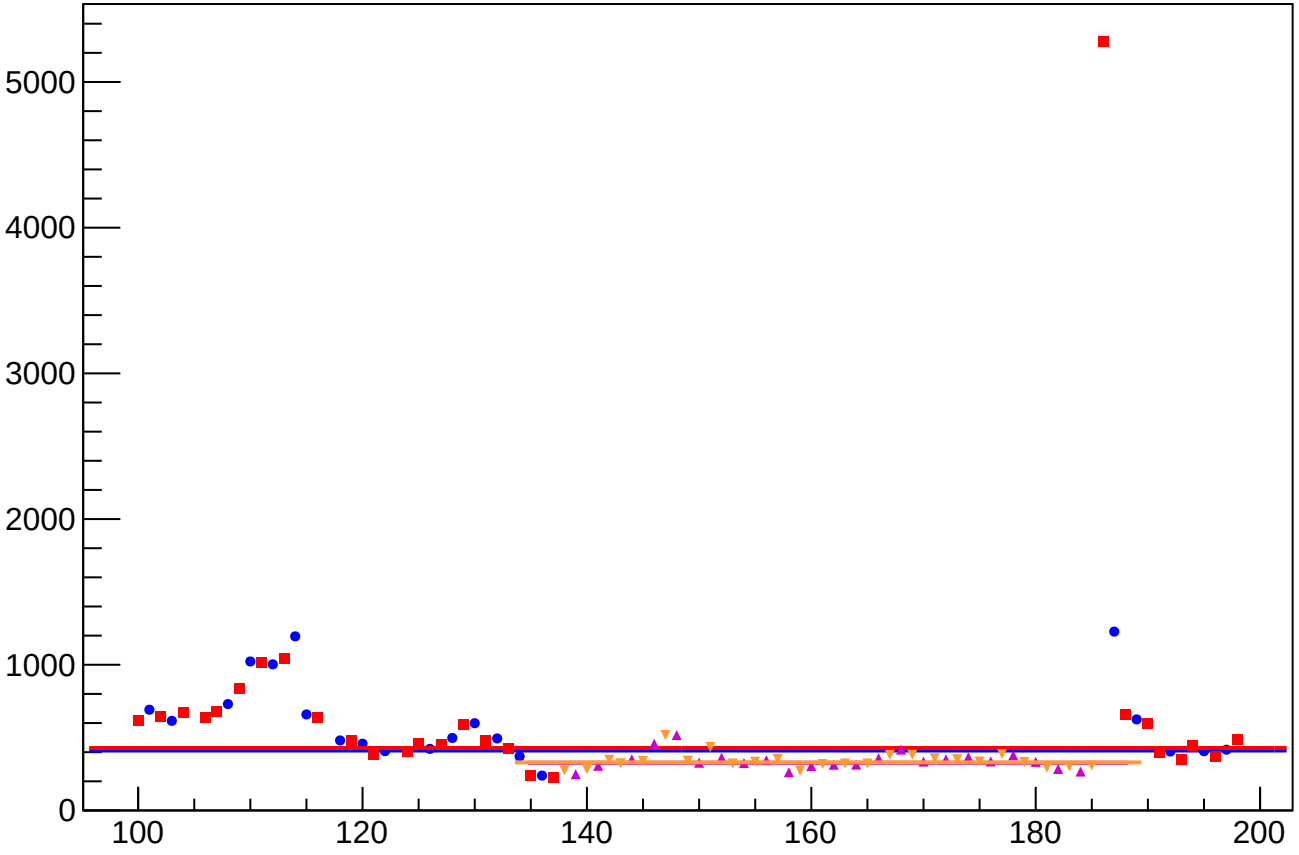
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -47.413+/-66.193 χ^2/NDF: 38.4/45

All: -11.203+/-46.944 χ^2/NDF: 100.4/95

- sign 25.442+/-66.588 χ^2/NDF: 61.4/49

asym_sam1_cor_correction_rms vs Slug



Right In: 411.469+/-0.096 χ^2/NDF: 2643351.2/20

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 428.856+/-0.092 χ^2/NDF: 3435344.4/26

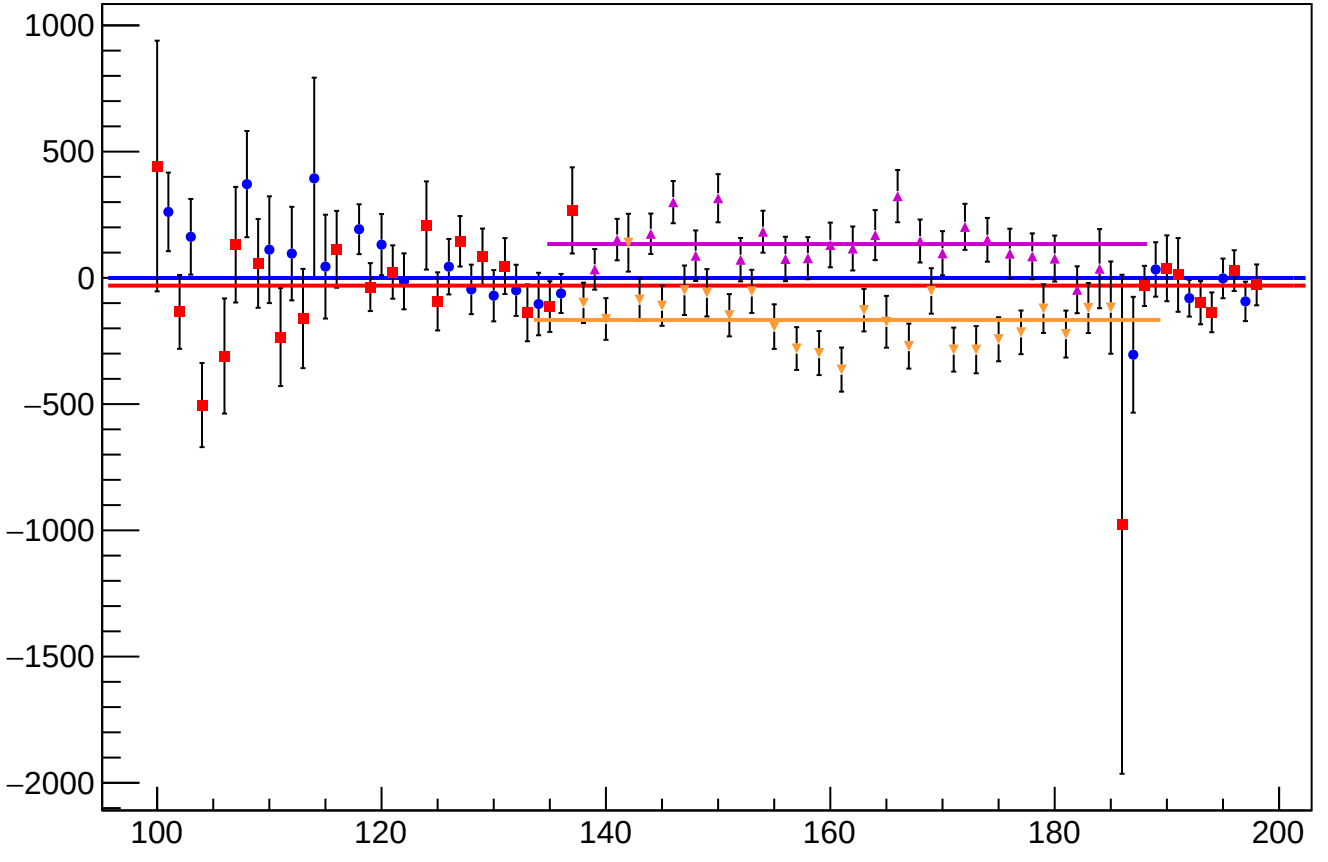
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 349.421+/-0.047 χ^2/NDF: 3853587.9/45

All: 351.555+/-0.033 χ^2/NDF: 9099134.8/95

- sign 353.715+/-0.047 χ^2/NDF: 5241365.3/49

eigen_cor_asym_sam1_mean vs Slug



Right In: -0.427+/-24.436 χ^2/NDF: 20.6/20

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -30.698+/-22.914 χ^2/NDF: 30.1/26

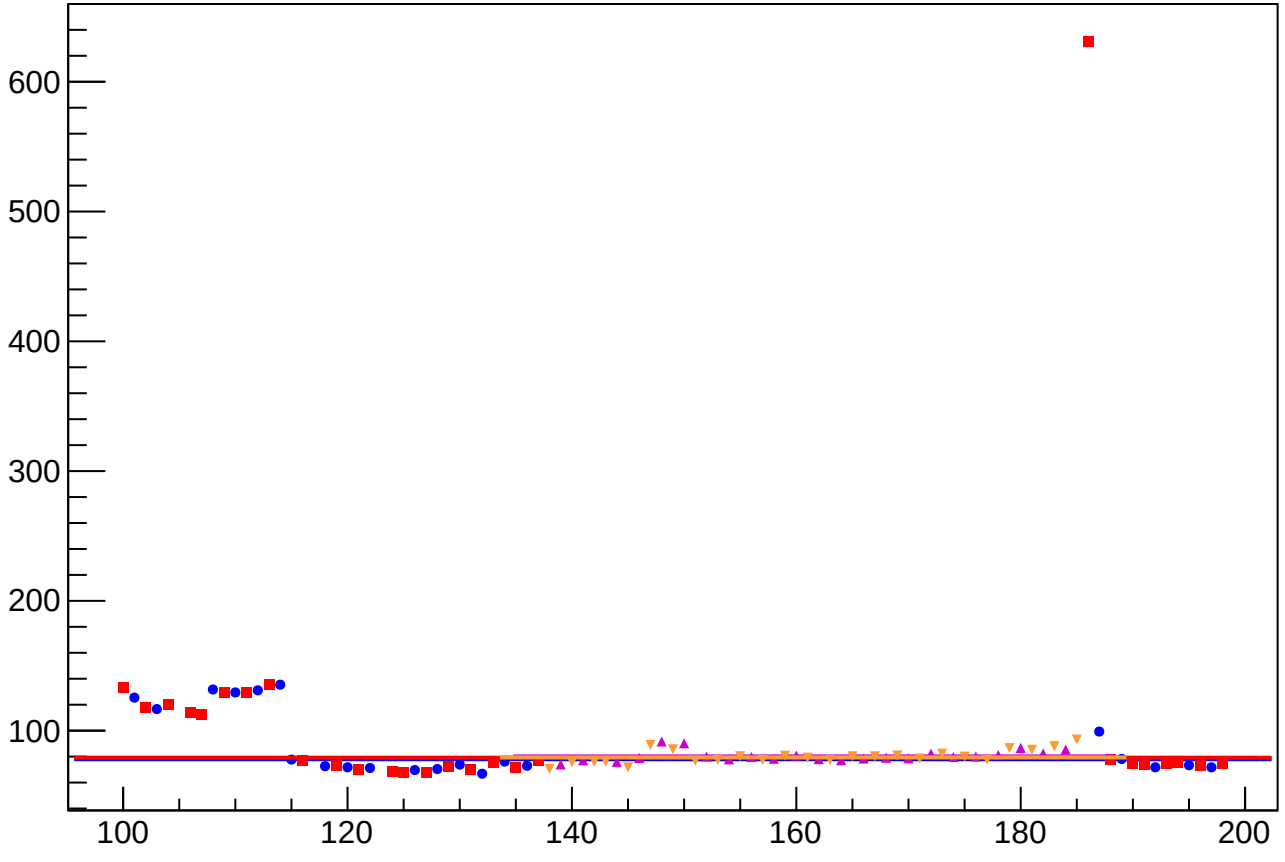
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -107.866+/-14.534 χ^2/NDF: 82.2/45

All: -19.895+/-10.270 χ^2/NDF: 237.1/95

- sign 67.834+/-14.514 χ^2/NDF: 81.7/49

eigen_cor_asym_sam1_rms vs Slug



Right In: 77.973+/-0.017 χ^2/NDF: 903432.3/20

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

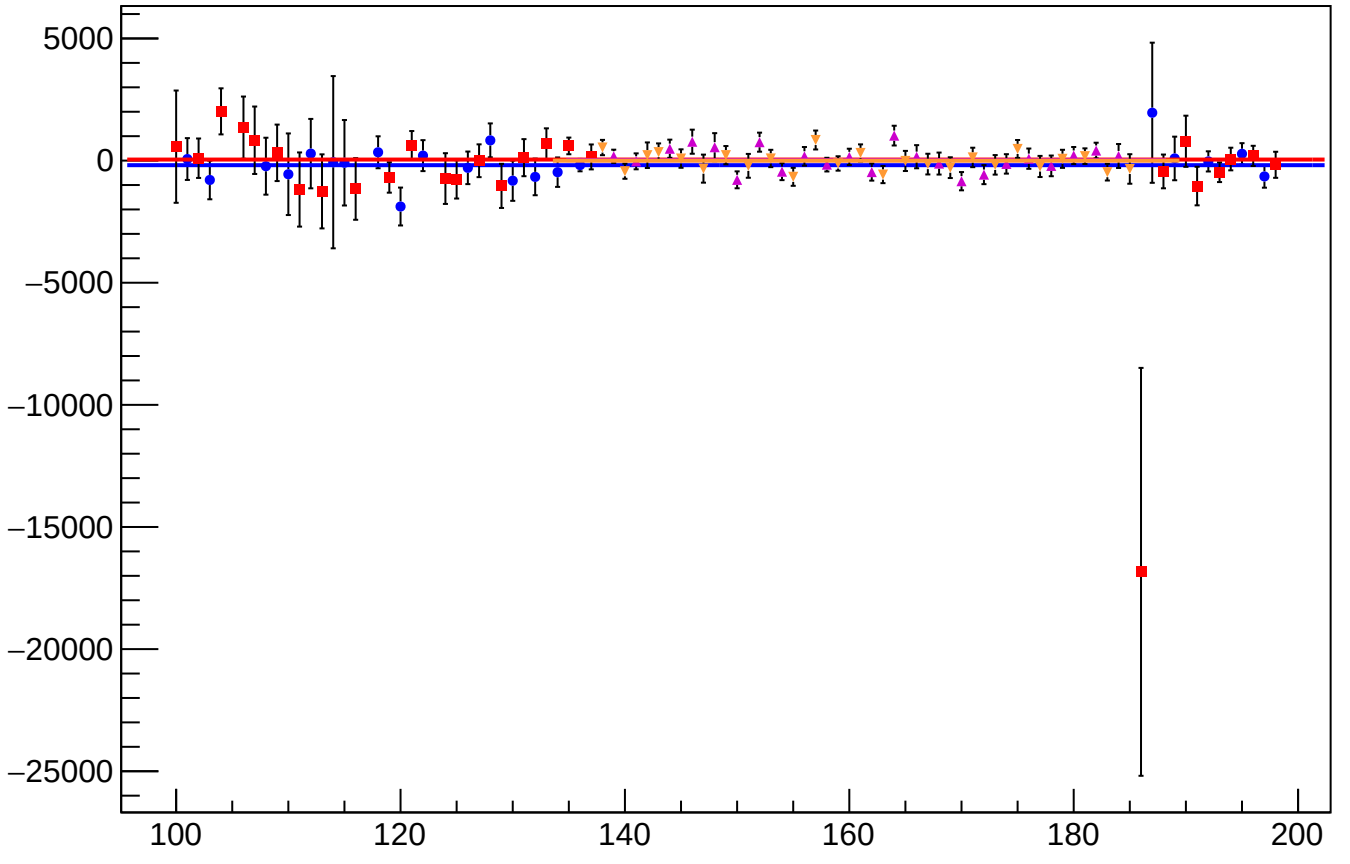
Right Out: 79.175+/-0.016 χ^2/NDF: 1602438.5/26

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.902+/-0.010 χ^2/NDF: 1042699.2/45

All: 79.334+/-0.007 χ^2/NDF: 2742350.9/95

- sign 79.765+/-0.010 χ^2/NDF: 1696121.3/49



Right In: -187.558+/-135.485 χ^2/NDF: 13.0/20

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 42.680+/-129.956 χ^2/NDF: 26.3/26

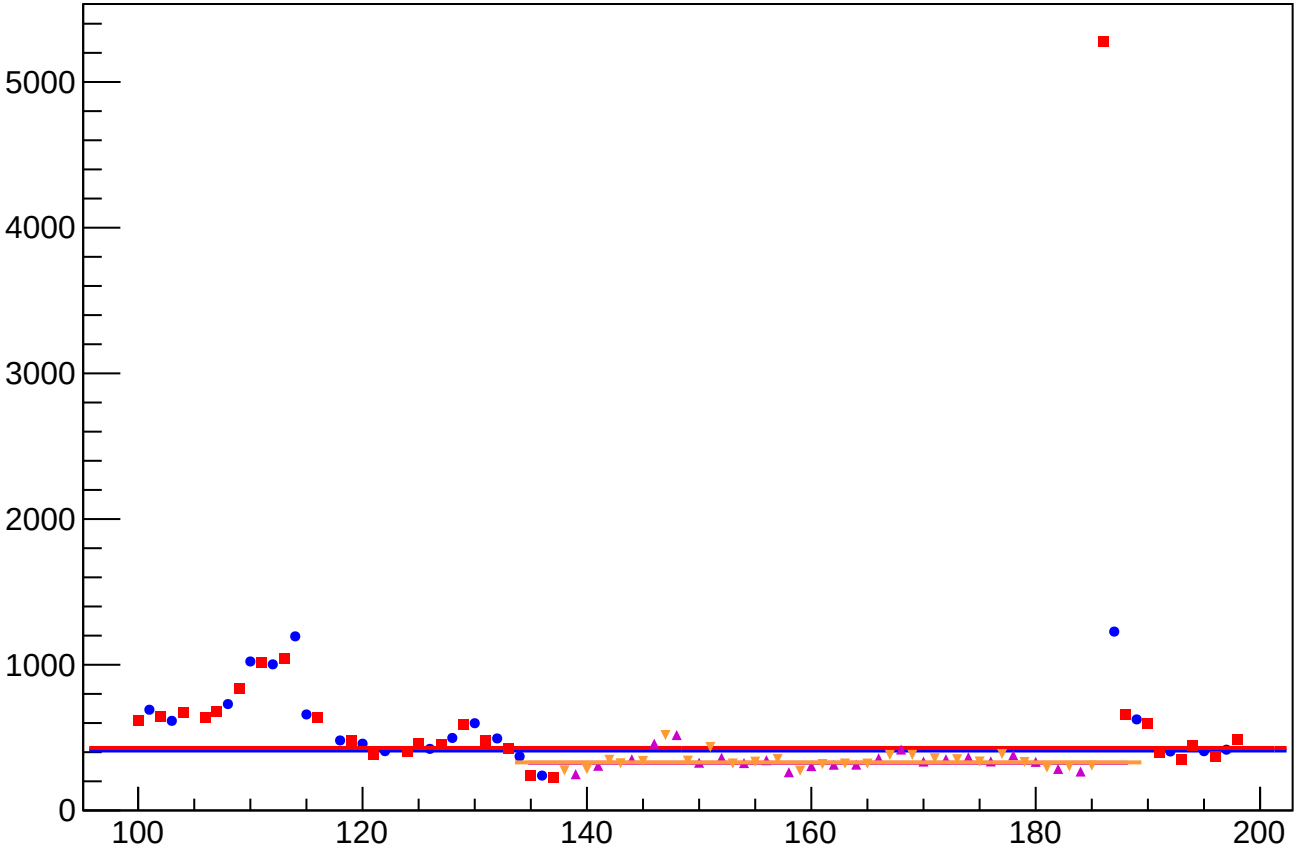
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -47.413+/-66.193 χ^2/NDF: 38.4/45

All: -11.203+/-46.944 χ^2/NDF: 100.4/95

\- sign 25.442+/-66.588 χ^2/NDF: 61.4/49

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 411.469+/-0.096 χ^2/NDF: 2643351.2/20

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 428.856+/-0.092 χ^2/NDF: 3435344.4/26

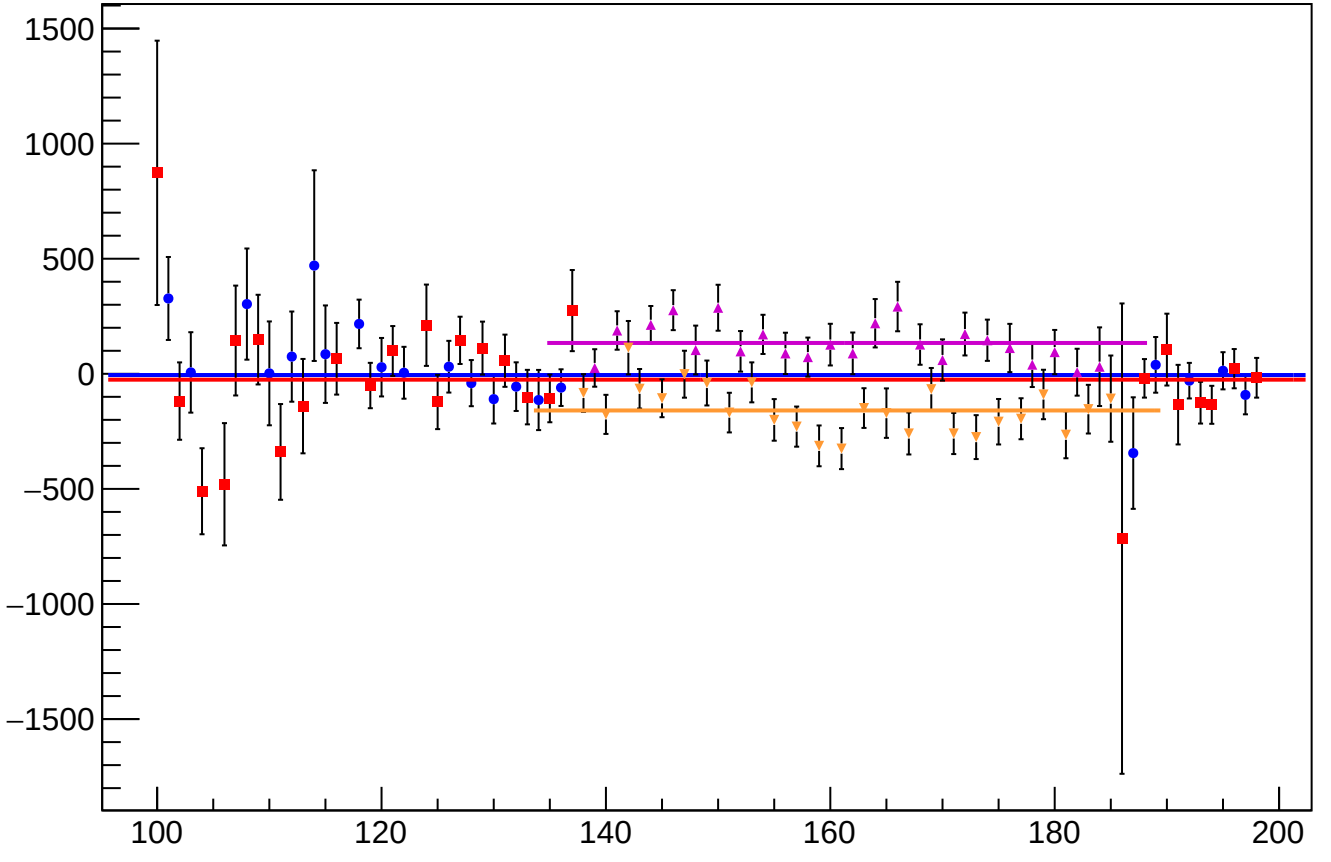
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

\+ sign 349.421+/-0.047 χ^2/NDF: 3853587.9/45

All: 351.555+/-0.033 χ^2/NDF: 9099134.8/95

\- sign 353.715+/-0.047 χ^2/NDF: 5241365.3/49

dit_asym_sam1_mean vs Slug



Right In: -5.257+/-25.773 χ^2/NDF: 17.1/20

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -25.454+/-24.193 χ^2/NDF: 34.0/26

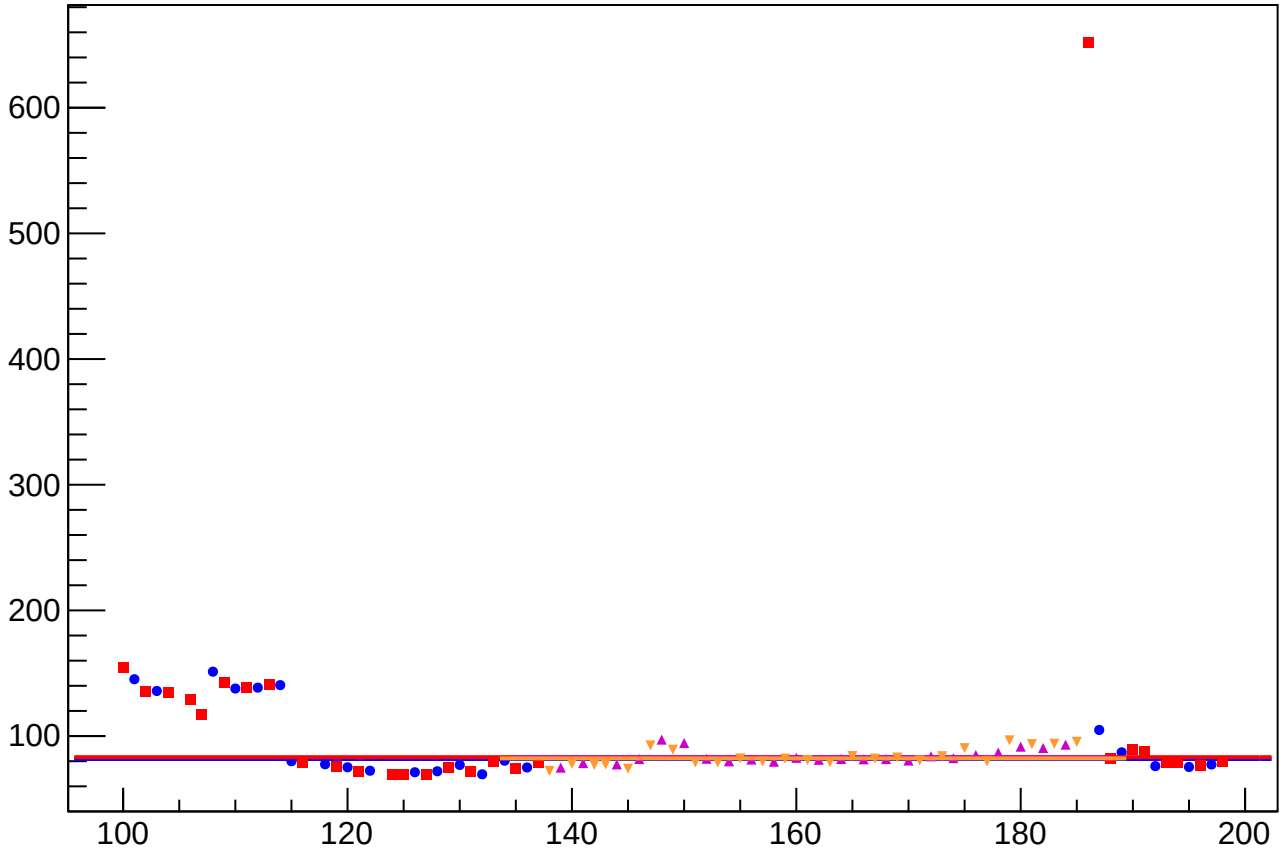
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -105.940+/-15.162 χ^2/NDF: 68.6/45

All: -17.205+/-10.718 χ^2/NDF: 213.9/95

- sign 71.440+/-15.154 χ^2/NDF: 76.8/49

dit_asym_sam1_rms vs Slug



Right In: 81.782+/-0.018 χ^2/NDF: 1092294.2/20

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

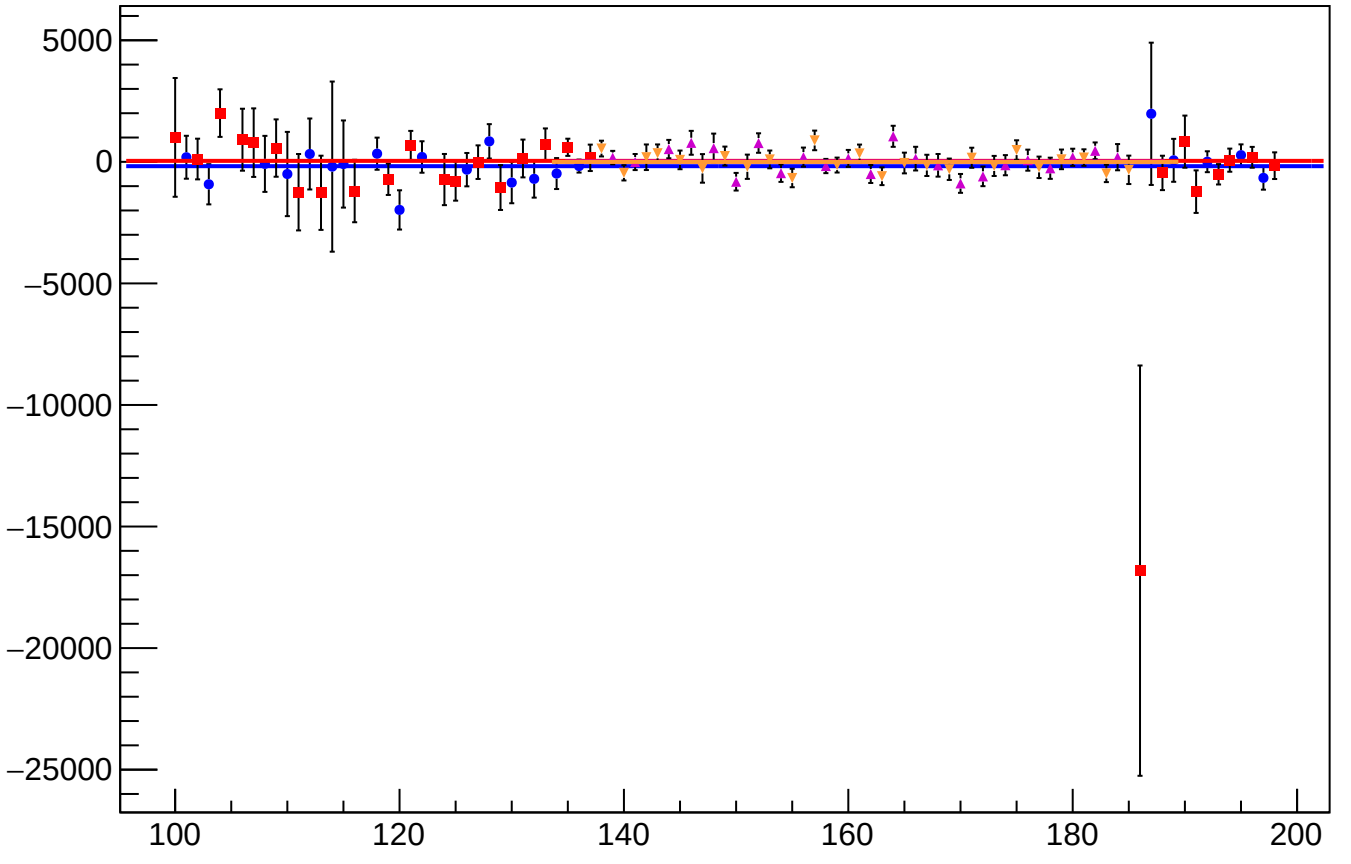
Right Out: 83.206+/-0.017 χ^2/NDF: 1774096.4/26

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.086+/-0.011 χ^2/NDF: 1309269.5/45

All: 82.582+/-0.008 χ^2/NDF: 3233340.0/95

- sign 83.077+/-0.011 χ^2/NDF: 1919799.4/49



Right In: -178.634+/-140.440 χ^2/NDF: 13.3/20

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 40.199+/-134.448 χ^2/NDF: 25.8/26

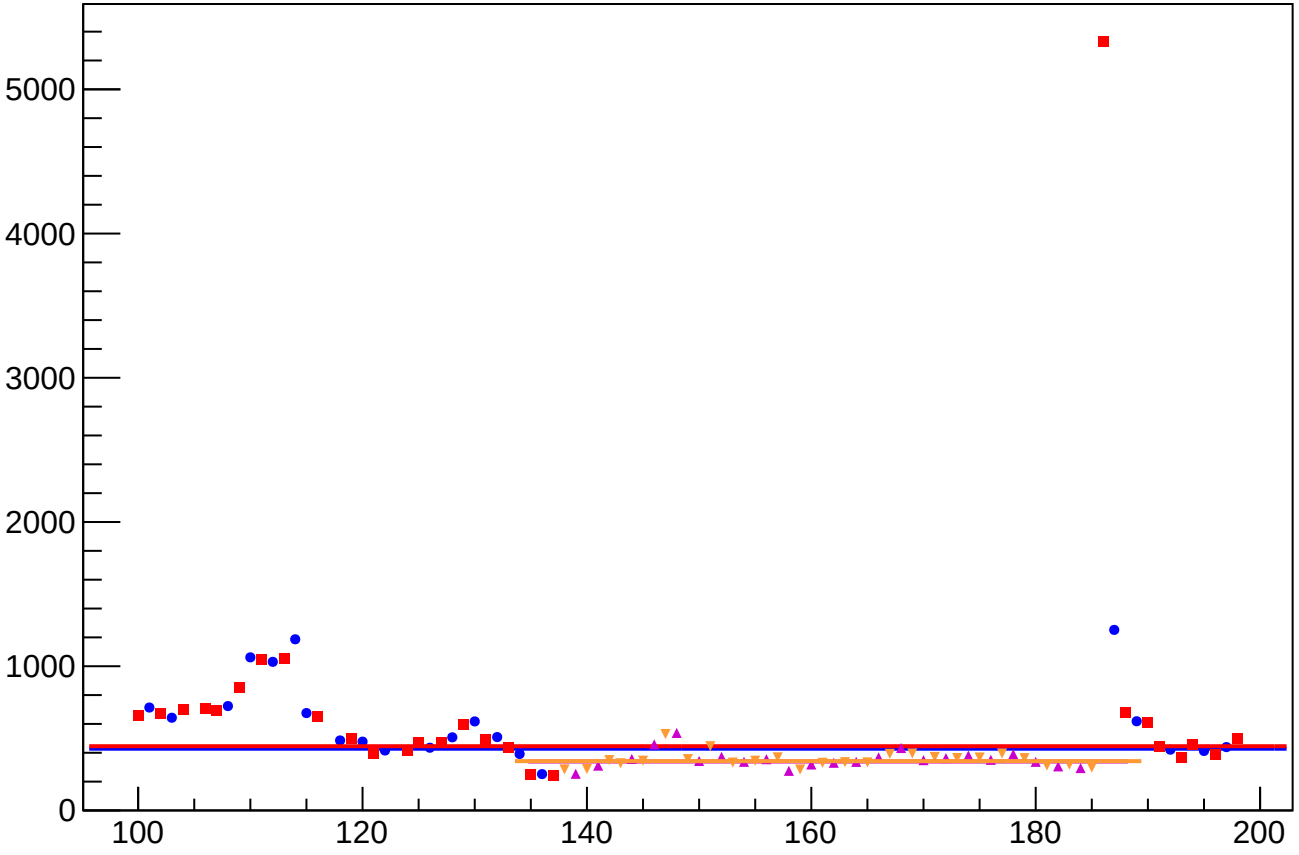
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -44.949+/-68.576 χ^2/NDF: 38.0/45

All: -11.309+/-48.643 χ^2/NDF: 99.2/95

- sign 22.757+/-69.009 χ^2/NDF: 60.7/49

asym_sam1_dit_correction_rms vs Slug



Right In: 428.169+/-0.099 χ^2/NDF: 2514319.3/20

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 445.432+/-0.095 χ^2/NDF: 3372919.7/26

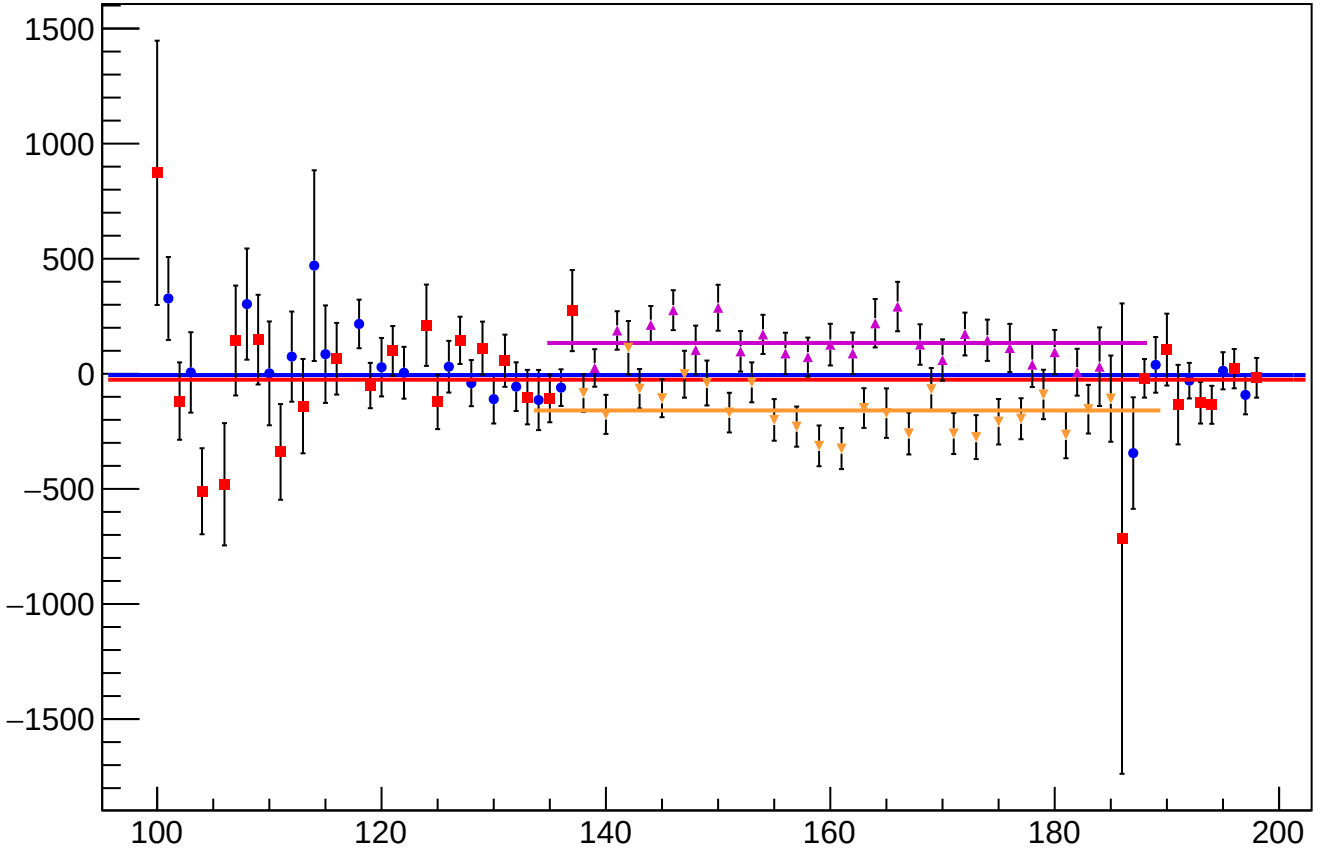
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 362.483+/-0.048 χ^2/NDF: 3742741.5/45

All: 364.904+/-0.034 χ^2/NDF: 8883072.4/95

- sign 367.356+/-0.049 χ^2/NDF: 5135312.4/49

eigen_dit_asym_sam1_mean vs Slug



Right In: -5.256+/-25.773 χ^2/NDF: 17.1/20

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -25.453+/-24.193 χ^2/NDF: 34.0/26

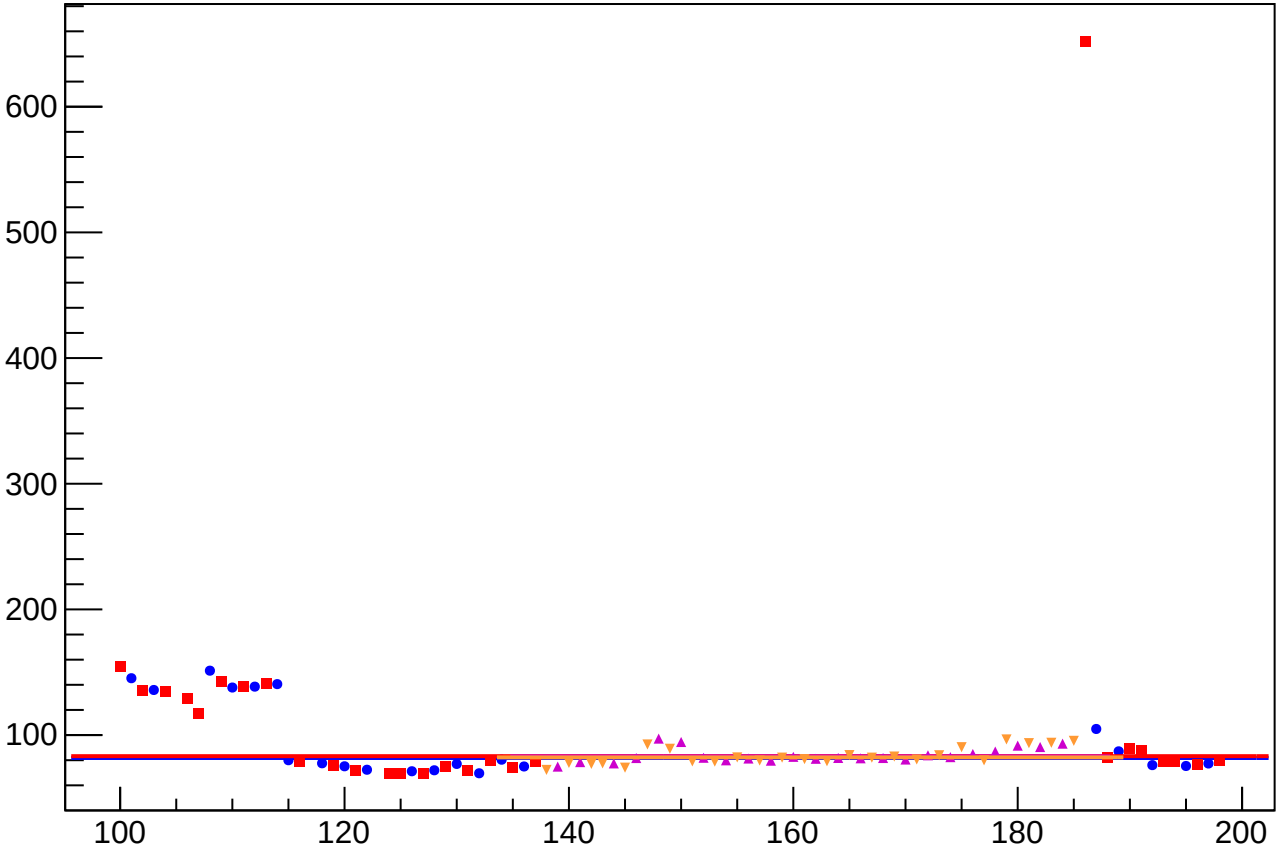
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -105.940+/-15.162 χ^2/NDF: 68.6/45

All: -17.205+/-10.718 χ^2/NDF: 213.9/95

- sign 71.441+/-15.154 χ^2/NDF: 76.8/49

eigen_dit_asym_sam1_rms vs Slug



Right In: 81.781+/-0.018 χ^2/NDF: 1092294.9/20

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

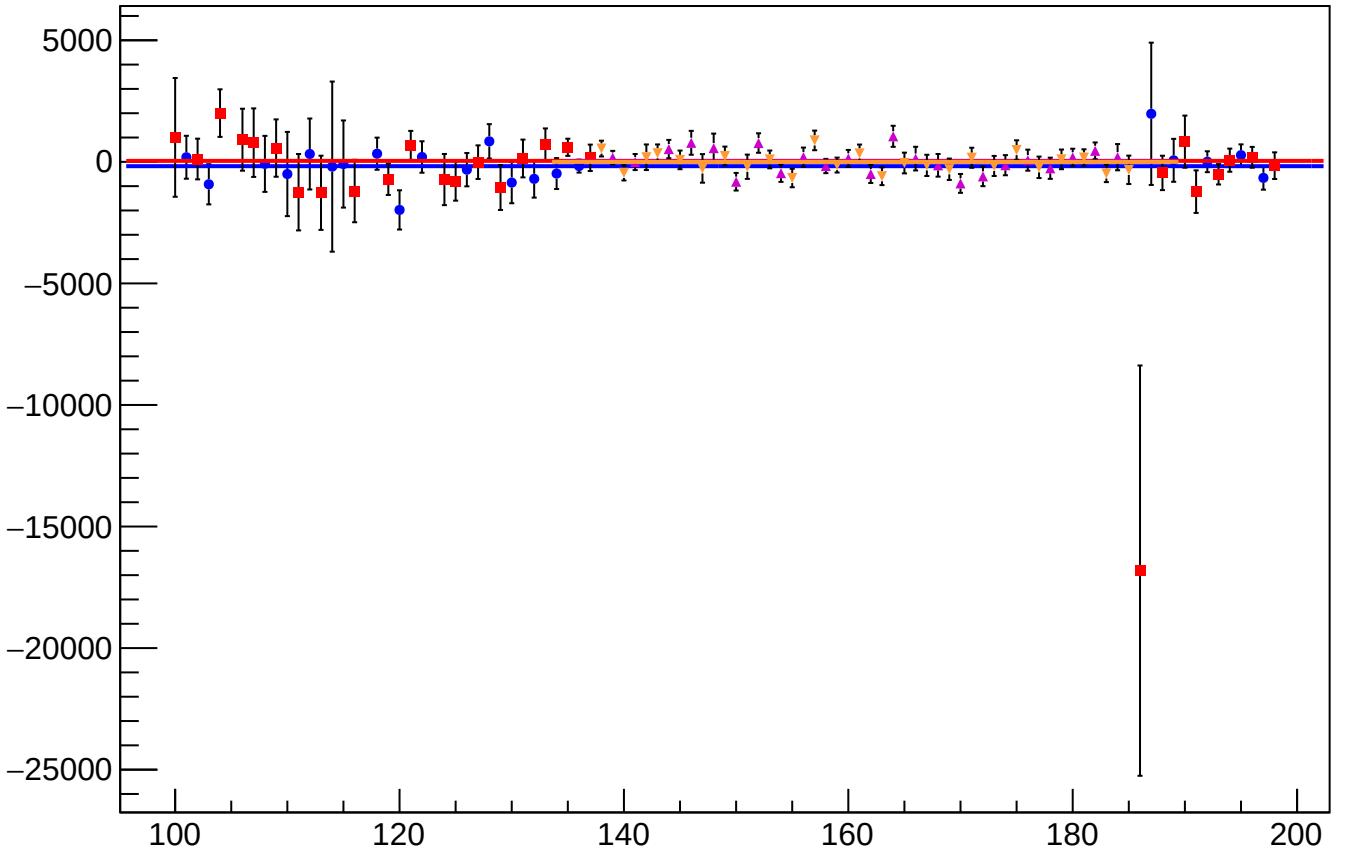
Right Out: 83.206+/-0.017 χ^2/NDF: 1774096.3/26

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.086+/-0.011 χ^2/NDF: 1309270.6/45

All: 82.582+/-0.008 χ^2/NDF: 3233339.2/95

- sign 83.077+/-0.011 χ^2/NDF: 1919797.6/49



Right In: -178.632+/-140.439 χ^2/NDF: 13.3/20

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 40.199+/-134.448 χ^2/NDF: 25.8/26

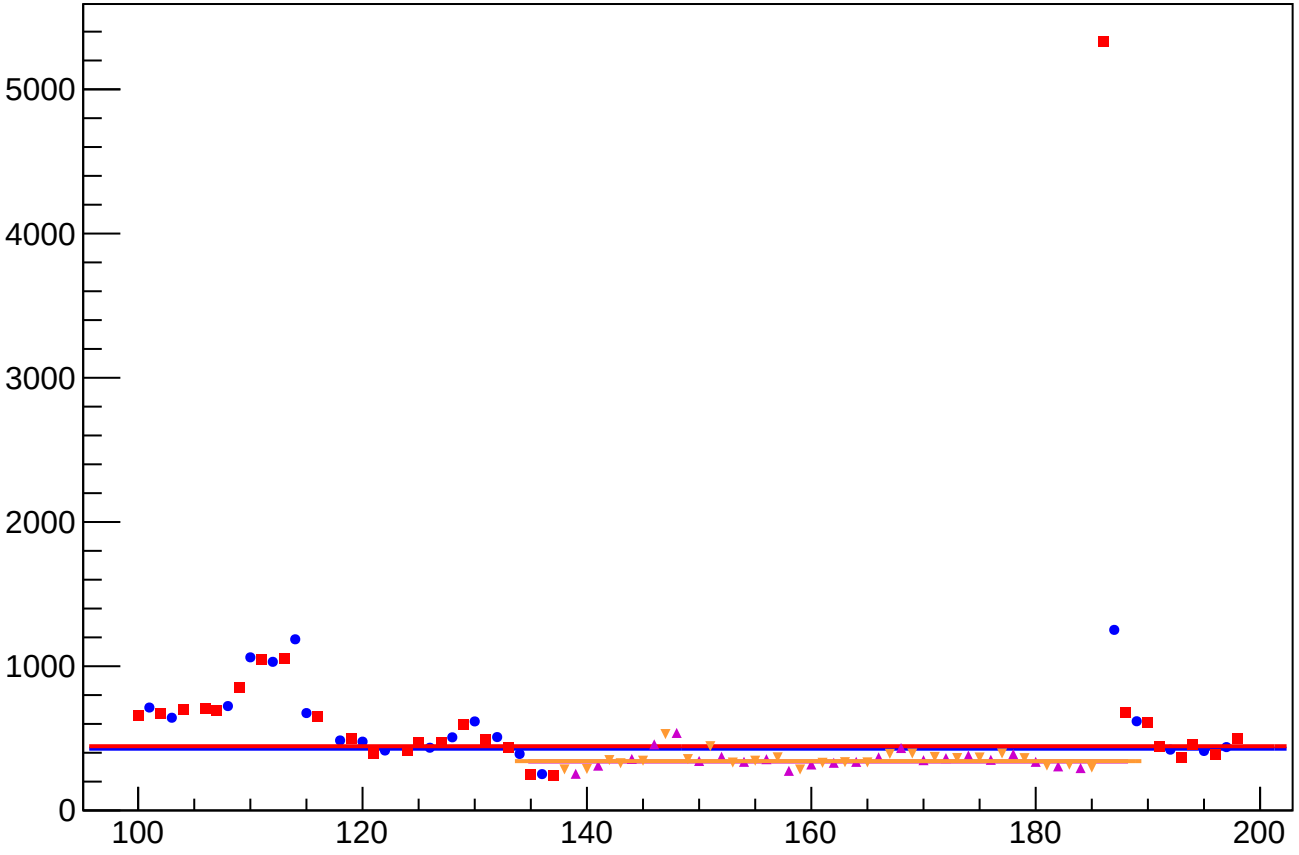
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -44.949+/-68.576 χ^2/NDF: 38.0/45

All: -11.309+/-48.643 χ^2/NDF: 99.2/95

- sign 22.757+/-69.009 χ^2/NDF: 60.7/49

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 428.168+/-0.099 χ^2/NDF: 2514324.3/20

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 445.430+/-0.095 χ^2/NDF: 3372928.4/26

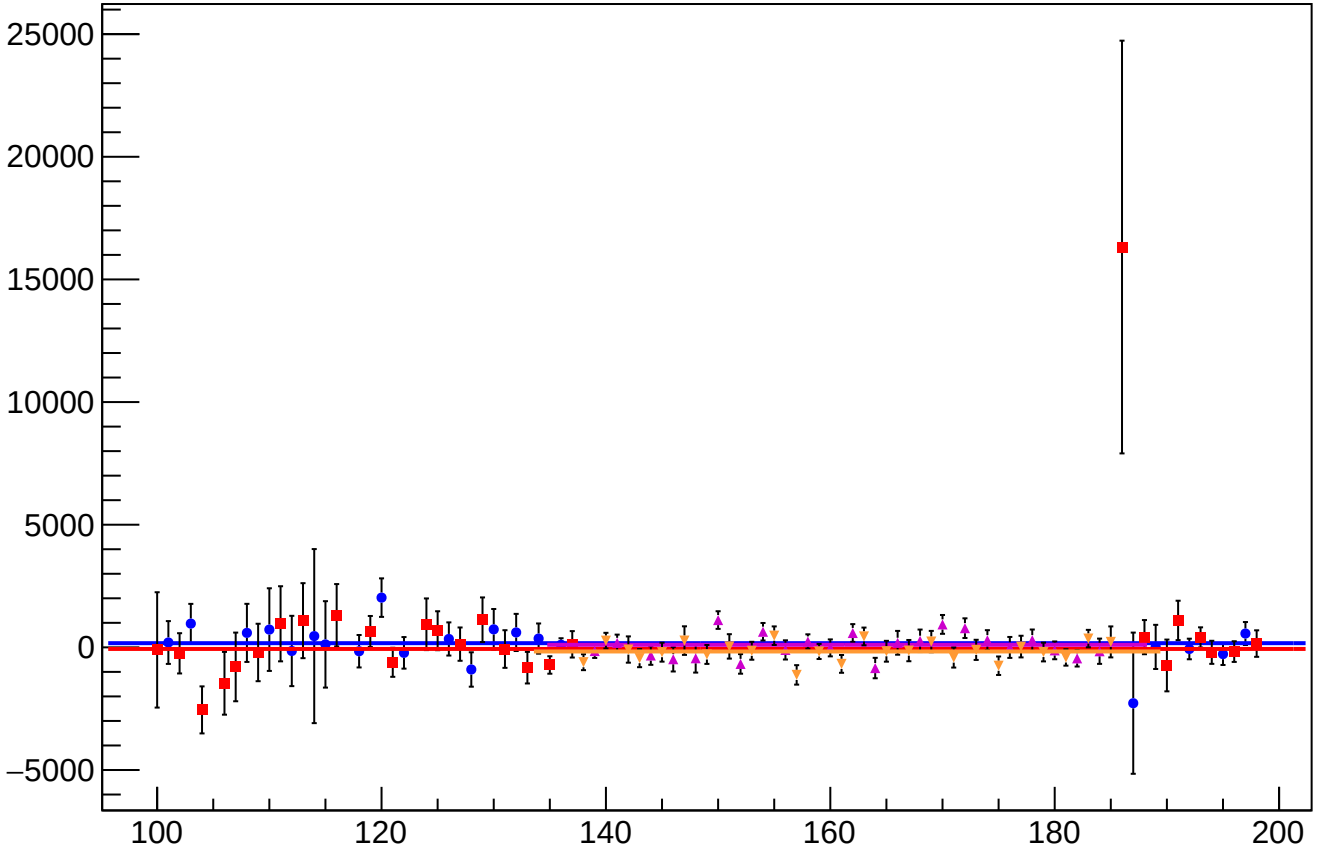
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 362.483+/-0.048 χ^2/NDF: 3742740.3/45

All: 364.904+/-0.034 χ^2/NDF: 8883068.9/95

- sign 367.356+/-0.049 χ^2/NDF: 5135310.2/49

asym_sam1_mean vs Slug



Right In: 170.318+/-138.656 χ^2/NDF: 13.6/20

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -64.408+/-132.745 χ^2/NDF: 29.4/26

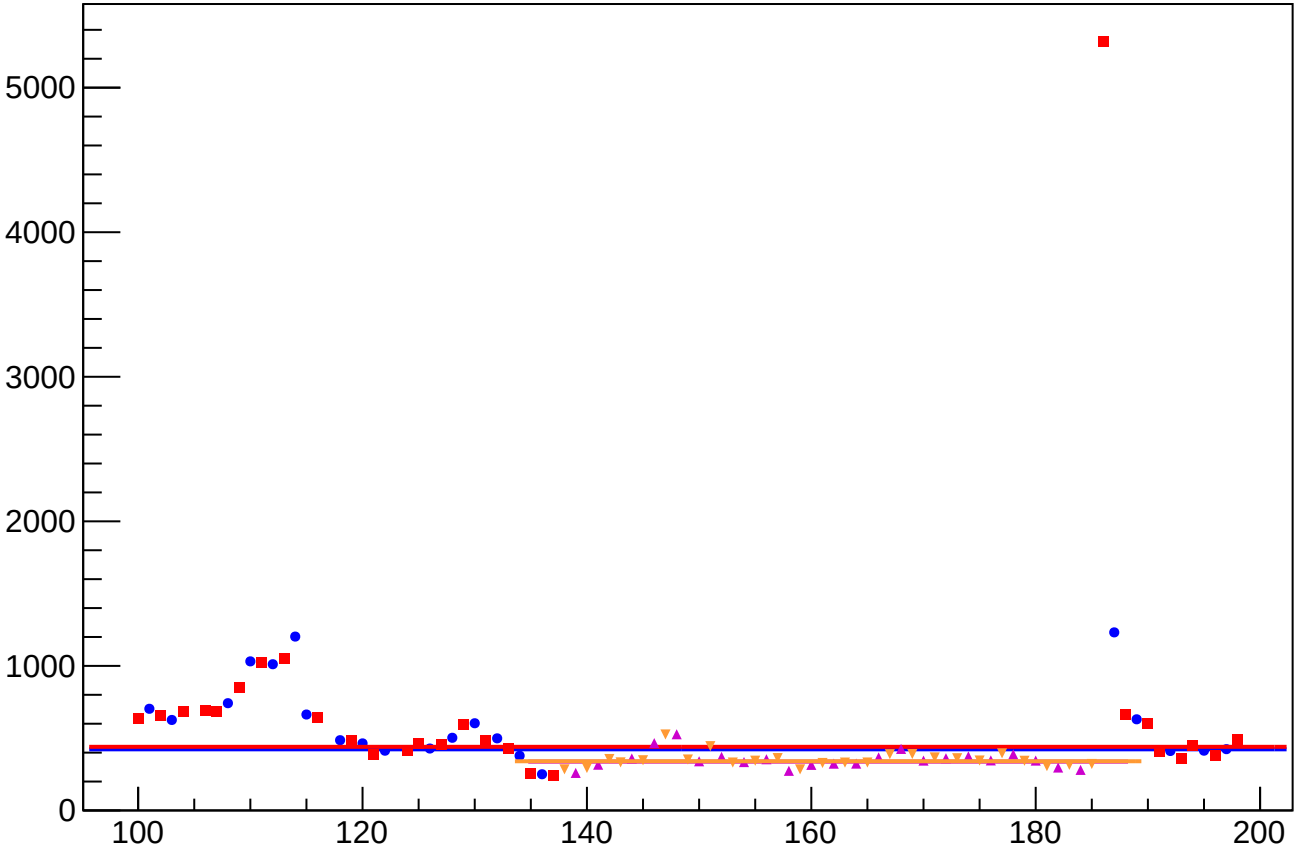
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -85.920+/-68.100 χ^2/NDF: 43.7/45

All: -13.828+/-48.300 χ^2/NDF: 114.0/95

- sign 59.146+/-68.516 χ^2/NDF: 68.1/49

asym_sam1_rms vs Slug



Right In: 422.835+/-0.098 χ^2/NDF: 2494449.6/20

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 440.202+/-0.094 χ^2/NDF: 3308691.6/26

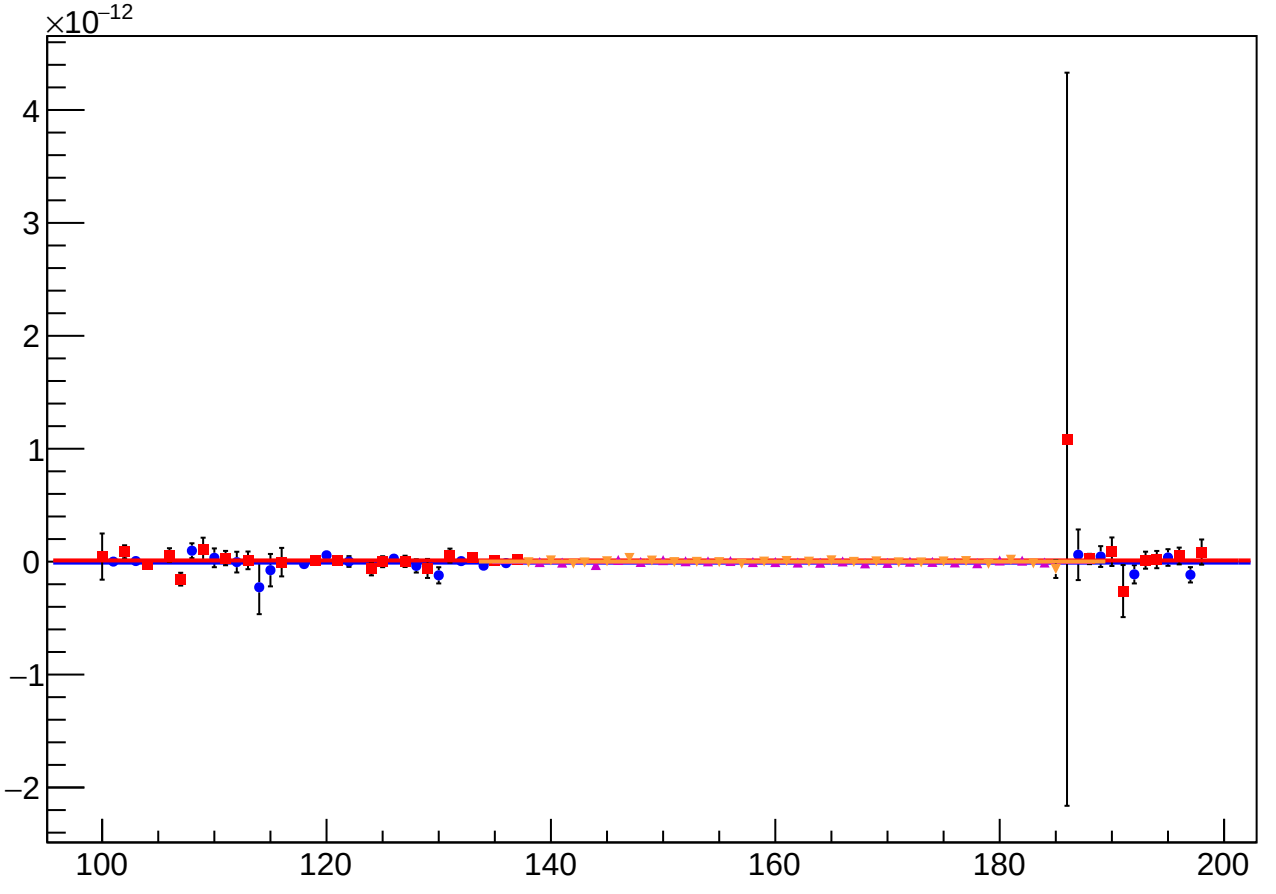
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 360.278+/-0.048 χ^2/NDF: 3635116.3/45

All: 362.650+/-0.034 χ^2/NDF: 8643167.7/95

- sign 365.050+/-0.048 χ^2/NDF: 5003170.8/49

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/26

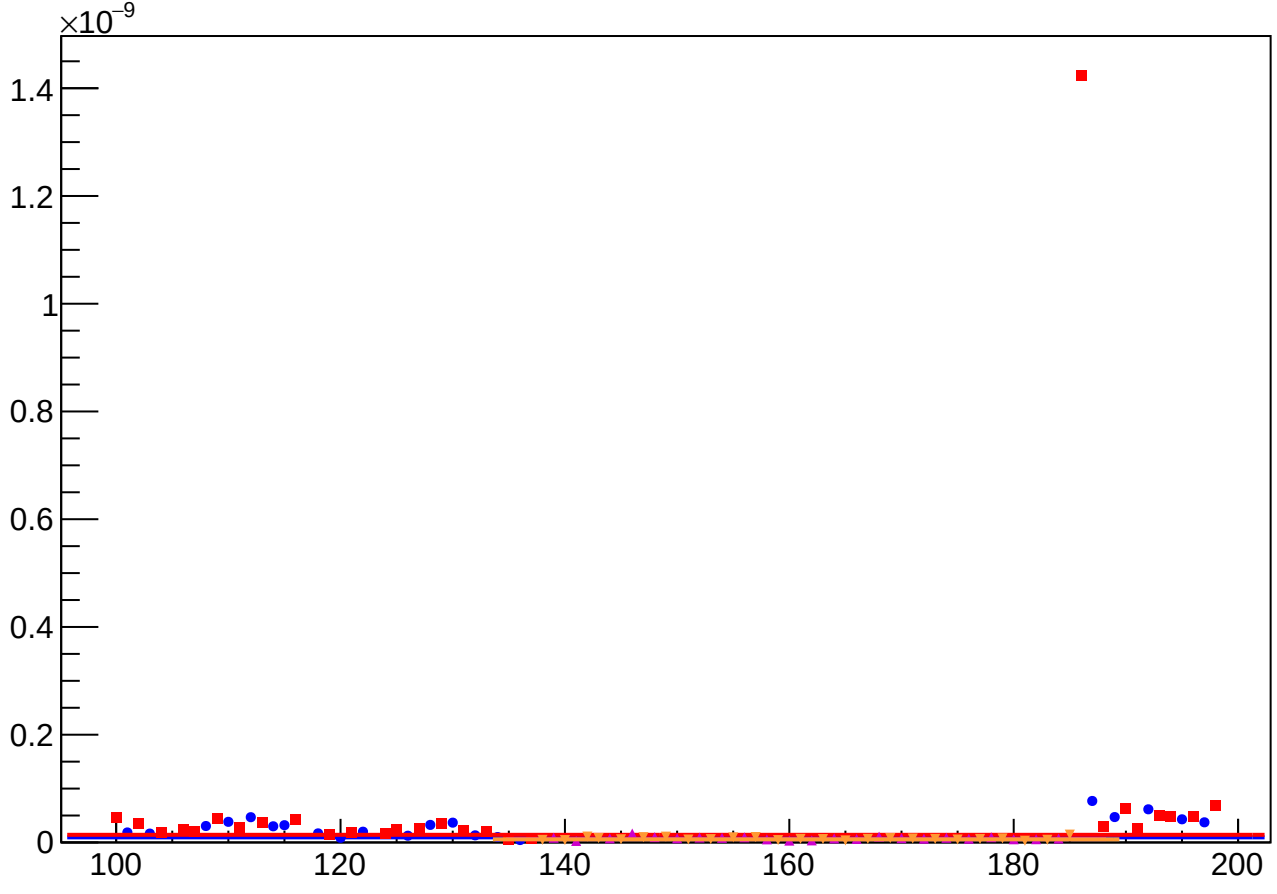
Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/45

All: -0.000+/-0.000 χ^2/NDF: 72.6/95

- sign -0.000+/-0.000 χ^2/NDF: 34.0/49

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4907431.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5557394.5/26

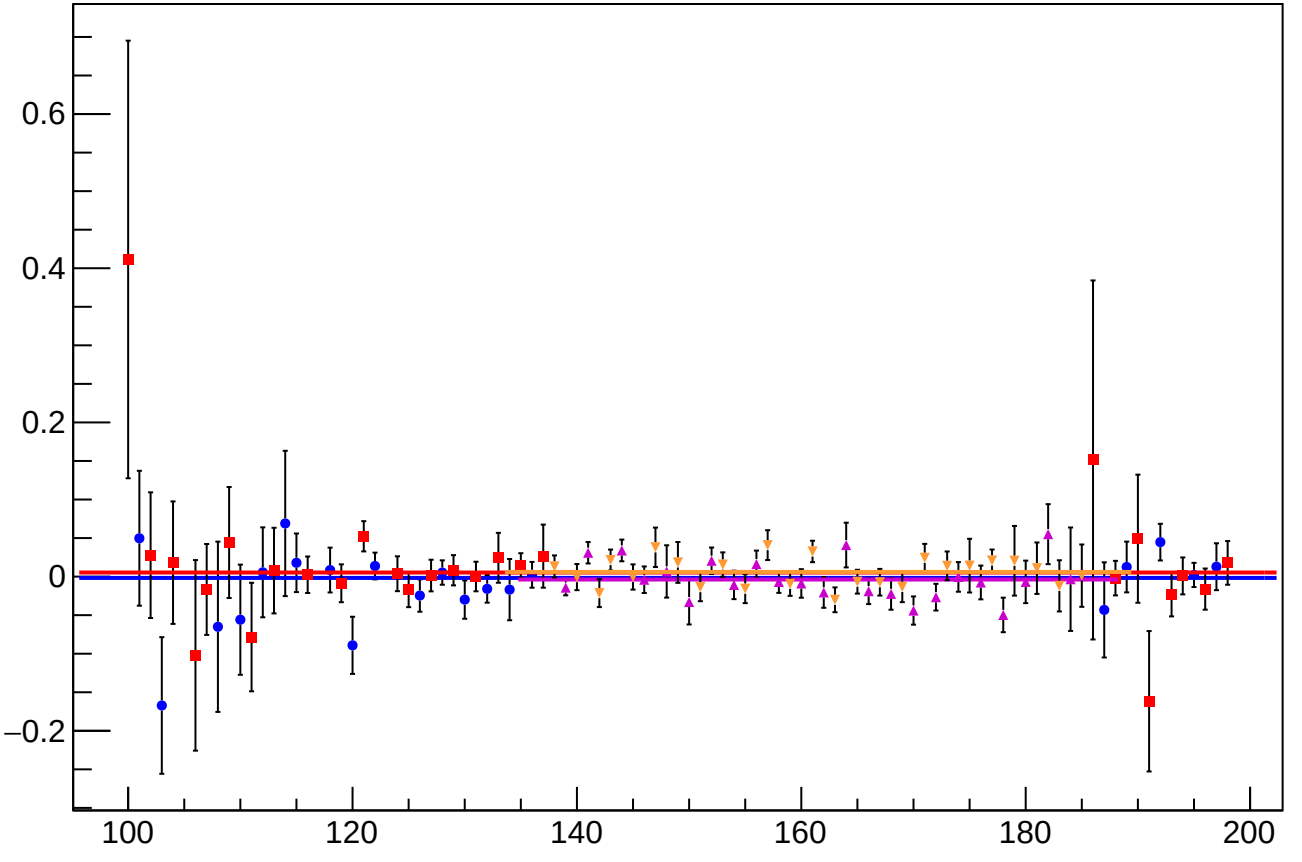
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6683183.7/45

All: 0.000+/-0.000 χ^2/NDF: 16160289.5/95

- sign 0.000+/-0.000 χ^2/NDF: 9373135.8/49

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 19.0/26

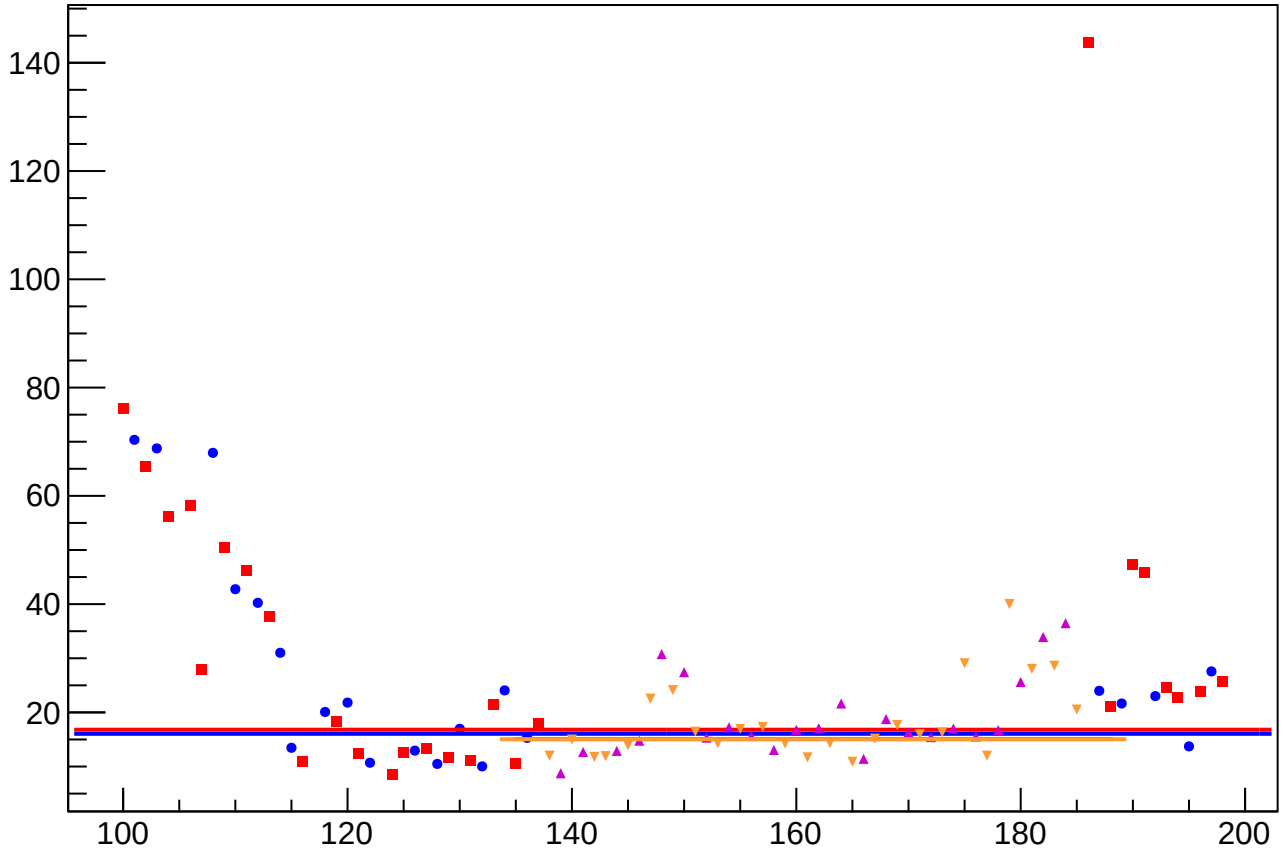
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/45

All: 0.002+/-0.002 χ^2/NDF: 107.3/95

- sign -0.001+/-0.003 χ^2/NDF: 57.9/49

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 16.049+/-0.004 χ^2/NDF: 4077932.3/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.804+/-0.004 χ^2/NDF: 5686752.8/26

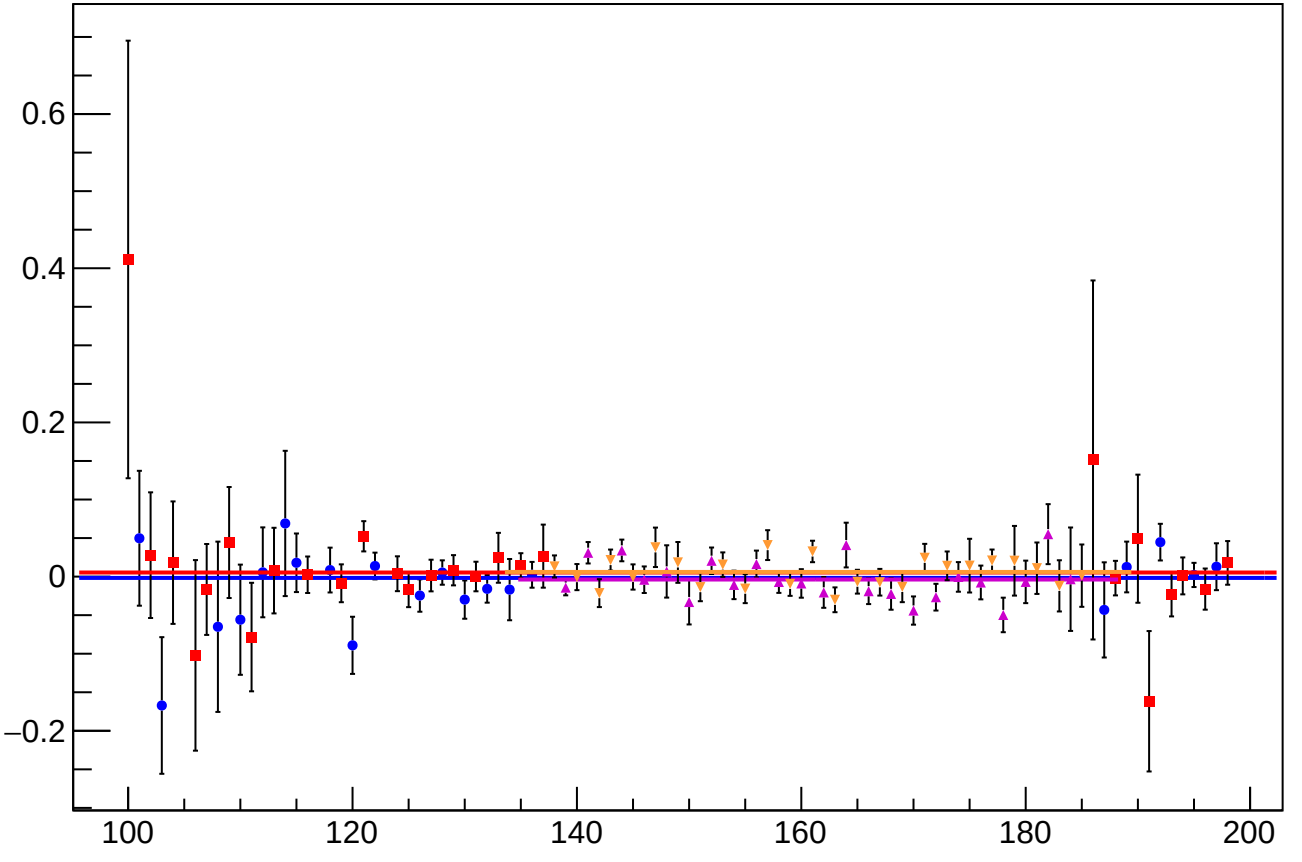
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.337+/-0.002 χ^2/NDF: 6879060.3/45

All: 15.480+/-0.002 χ^2/NDF: 15773586.5/95

- sign 15.628+/-0.002 χ^2/NDF: 8885856.9/49

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 19.0/26

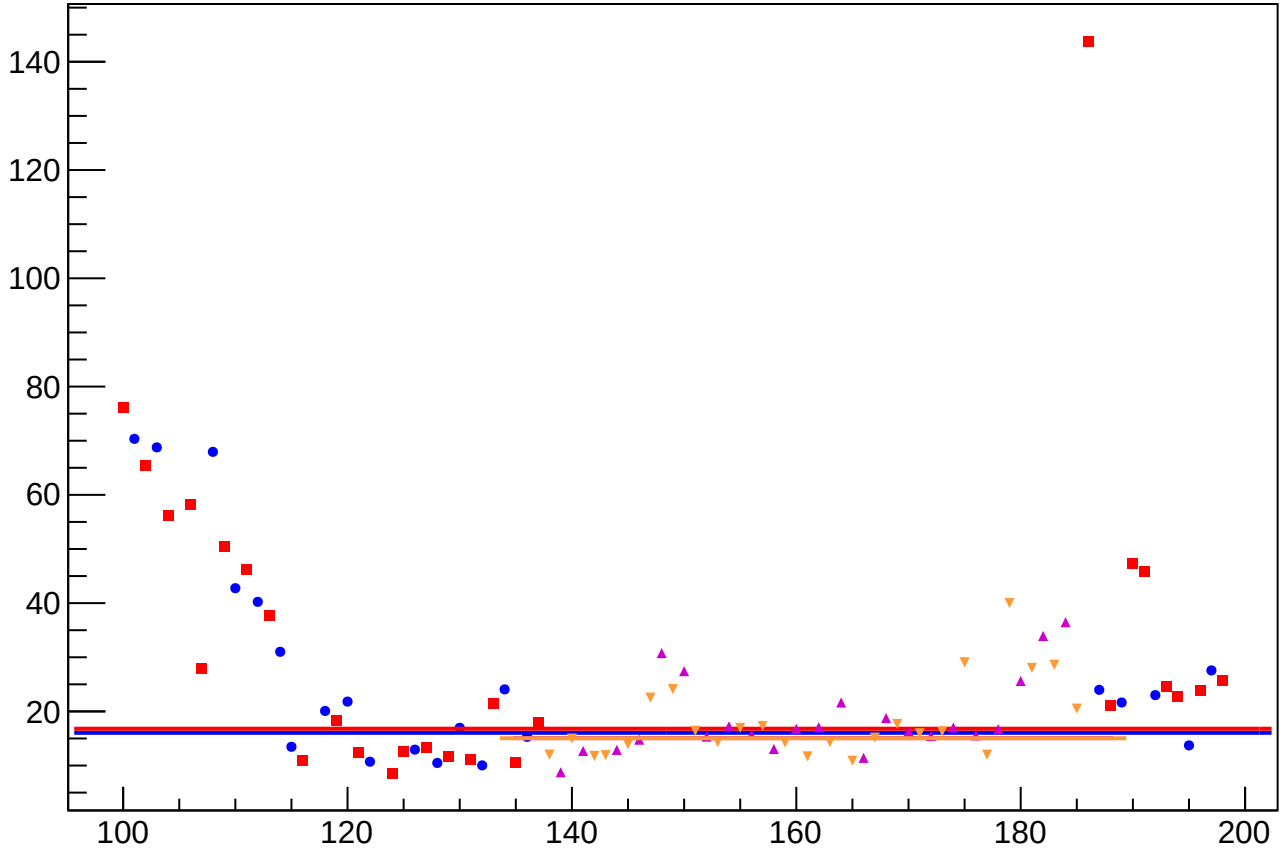
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/45

All: 0.002+/-0.002 χ^2/NDF: 107.3/95

- sign -0.001+/-0.003 χ^2/NDF: 57.9/49

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.049+/-0.004 χ^2/NDF: 4077932.3/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

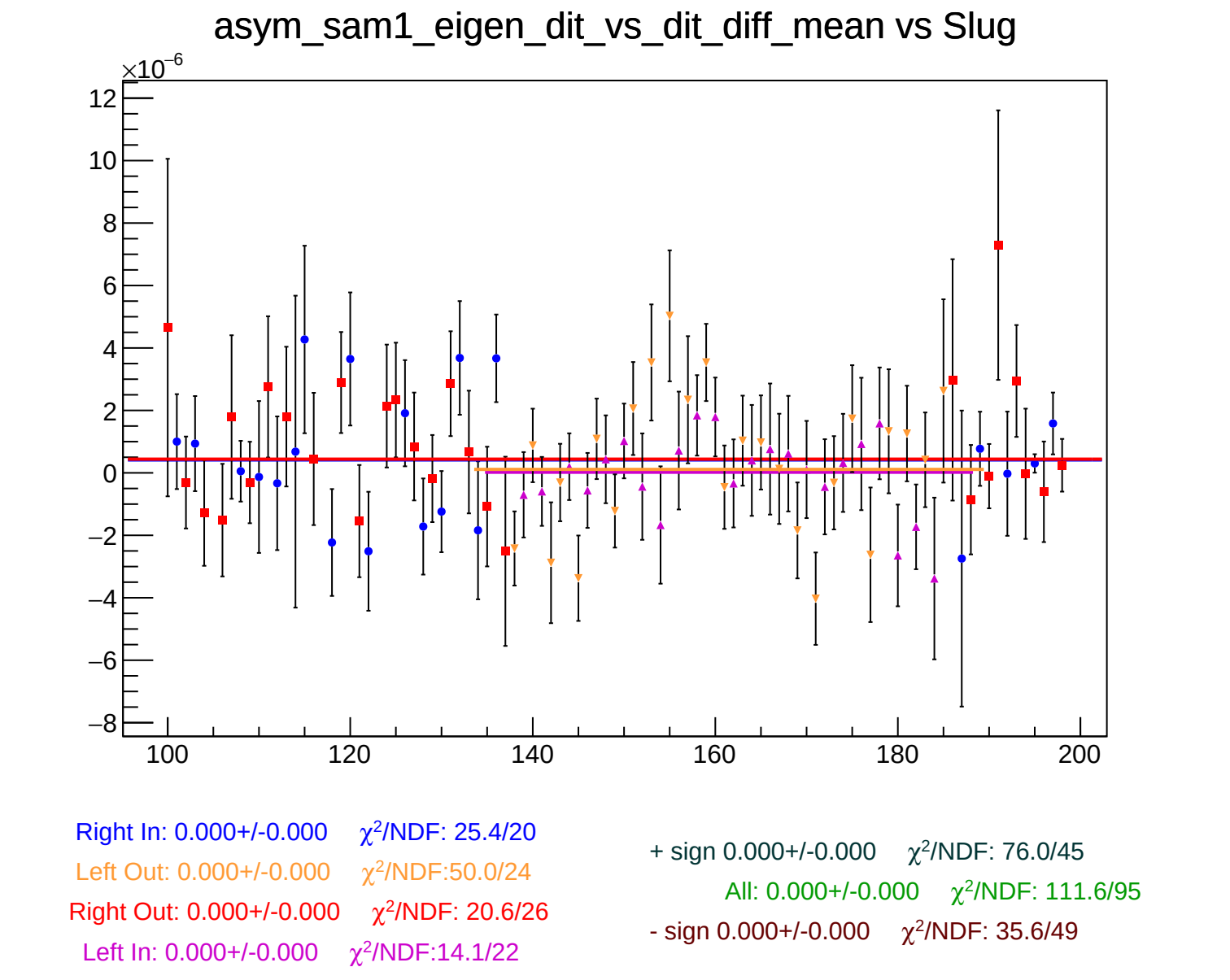
Right Out: 16.804+/-0.004 χ^2/NDF: 5686752.8/26

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

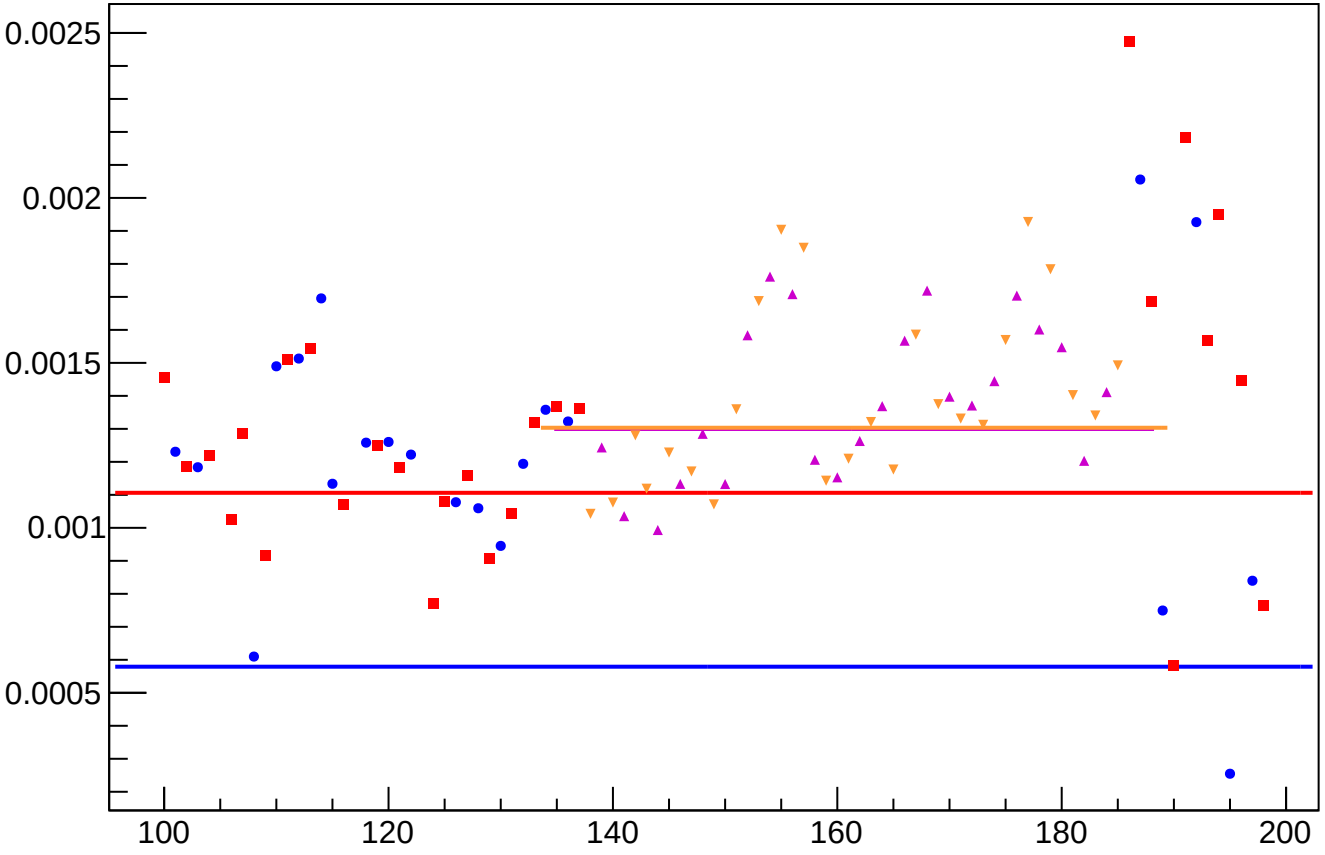
+ sign 15.337+/-0.002 χ^2/NDF: 6879060.3/45

All: 15.480+/-0.002 χ^2/NDF: 15773586.5/95

- sign 15.628+/-0.002 χ^2/NDF: 8885856.9/49


asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.4/20
Left Out: 0.000+/-0.000 χ²/NDF:50.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.6/26
Left In: 0.000+/-0.000 χ²/NDF:14.1/22
+ sign 0.000+/-0.000 χ²/NDF: 76.0/45
All: 0.000+/-0.000 χ²/NDF: 111.6/95
- sign 0.000+/-0.000 χ²/NDF: 35.6/49

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7521812.1/20

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2404078.9/26

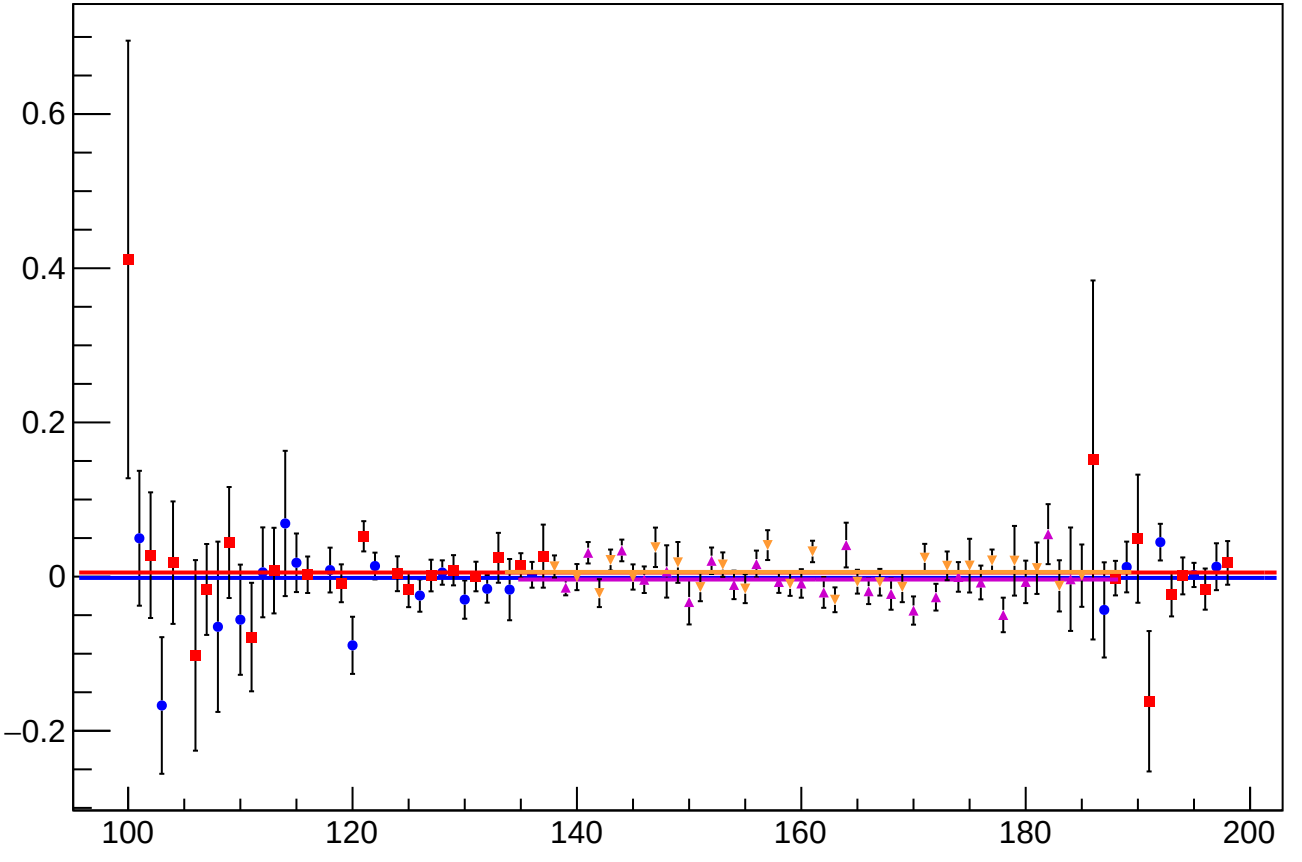
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 16027709.3/45

All: 0.001+/-0.000 χ^2/NDF: 23006558.2/95

- sign 0.001+/-0.000 χ^2/NDF: 3798849.5/49

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 19.0/26

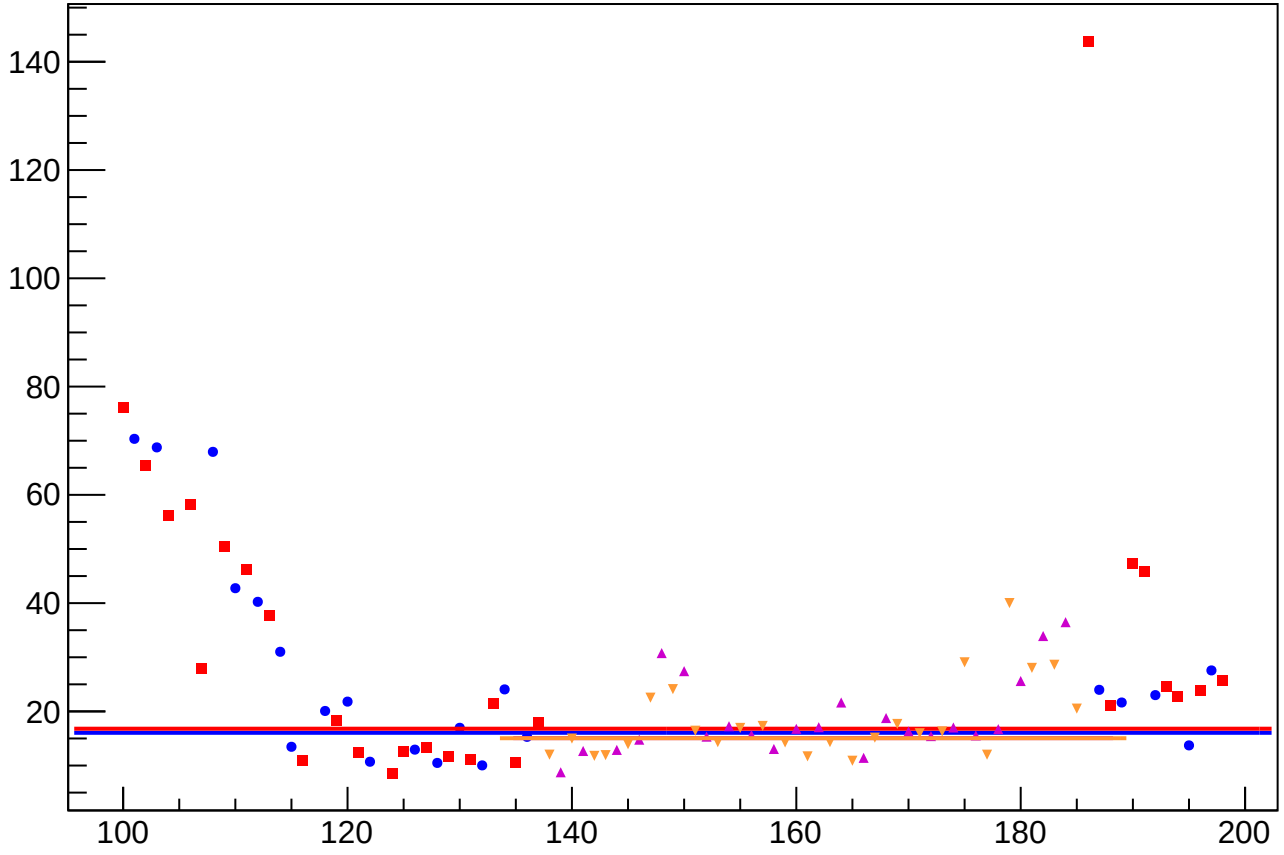
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/45

All: 0.002+/-0.002 χ^2/NDF: 107.3/95

- sign -0.001+/-0.003 χ^2/NDF: 57.9/49

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.049+/-0.004 χ^2/NDF: 4077930.6/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

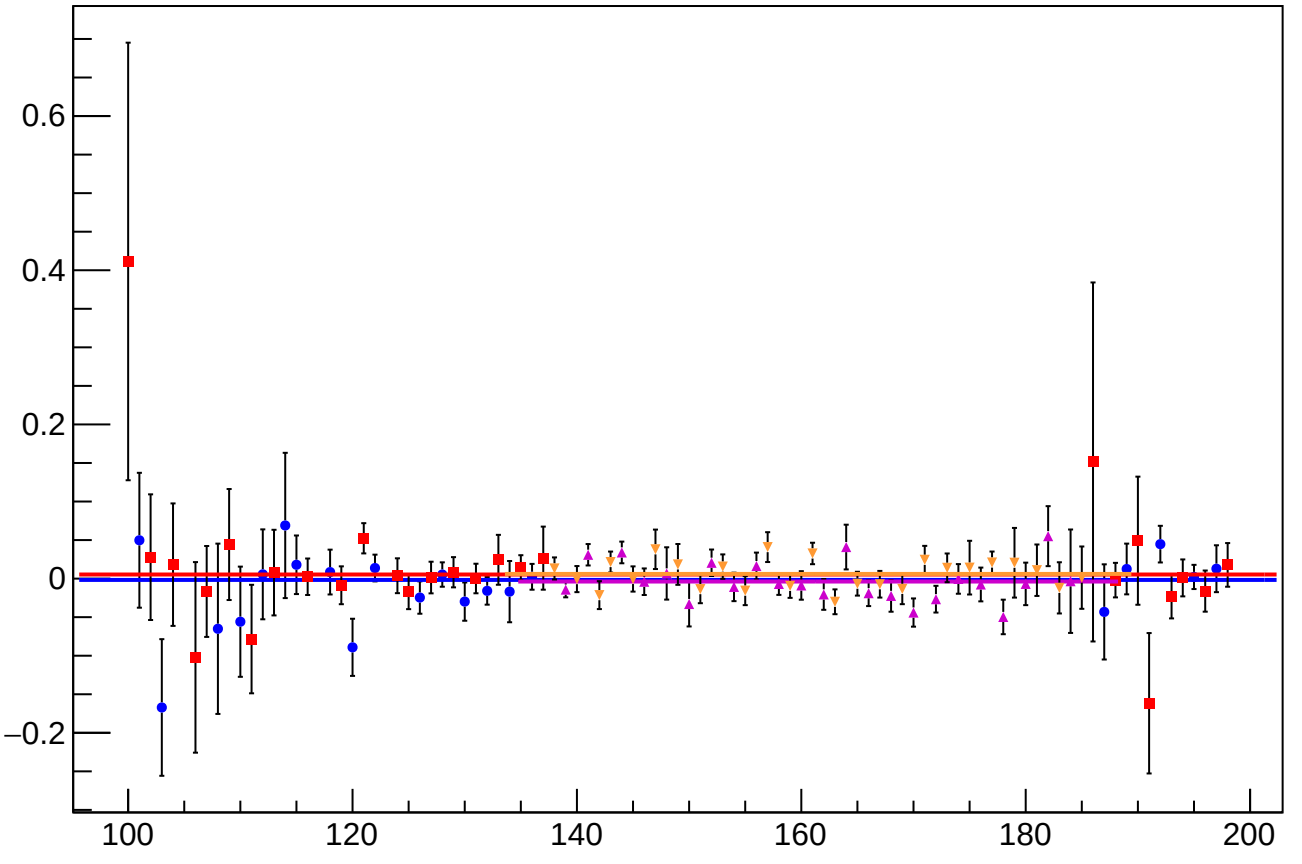
Right Out: 16.804+/-0.004 χ^2/NDF: 5686710.6/26

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.337+/-0.002 χ^2/NDF: 6879276.1/45

All: 15.480+/-0.002 χ^2/NDF: 15773815.2/95

- sign 15.628+/-0.002 χ^2/NDF: 8885866.3/49



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 19.0/26

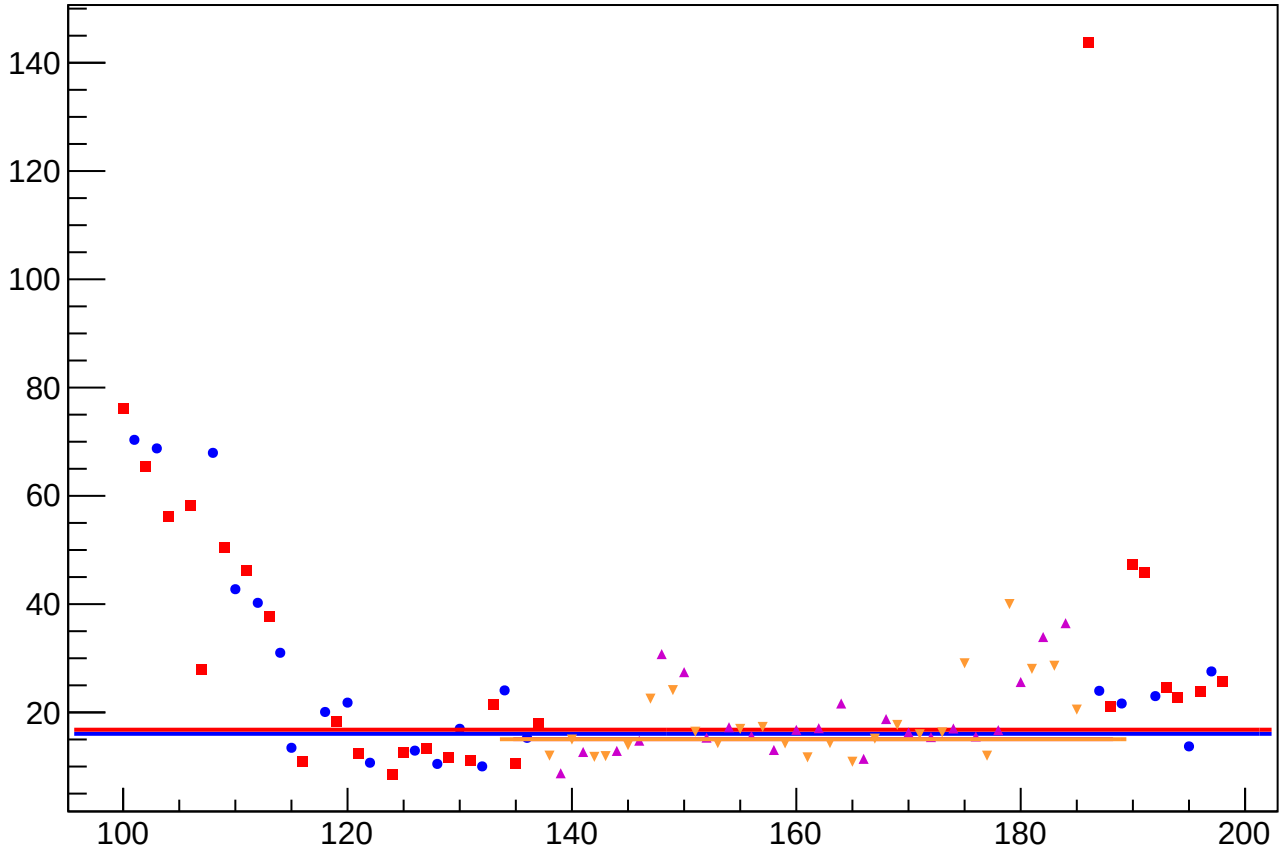
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/45

All: 0.002+/-0.002 χ^2/NDF: 107.3/95

- sign -0.001+/-0.003 χ^2/NDF: 57.9/49

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.049+/-0.004 χ^2/NDF: 4077930.6/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

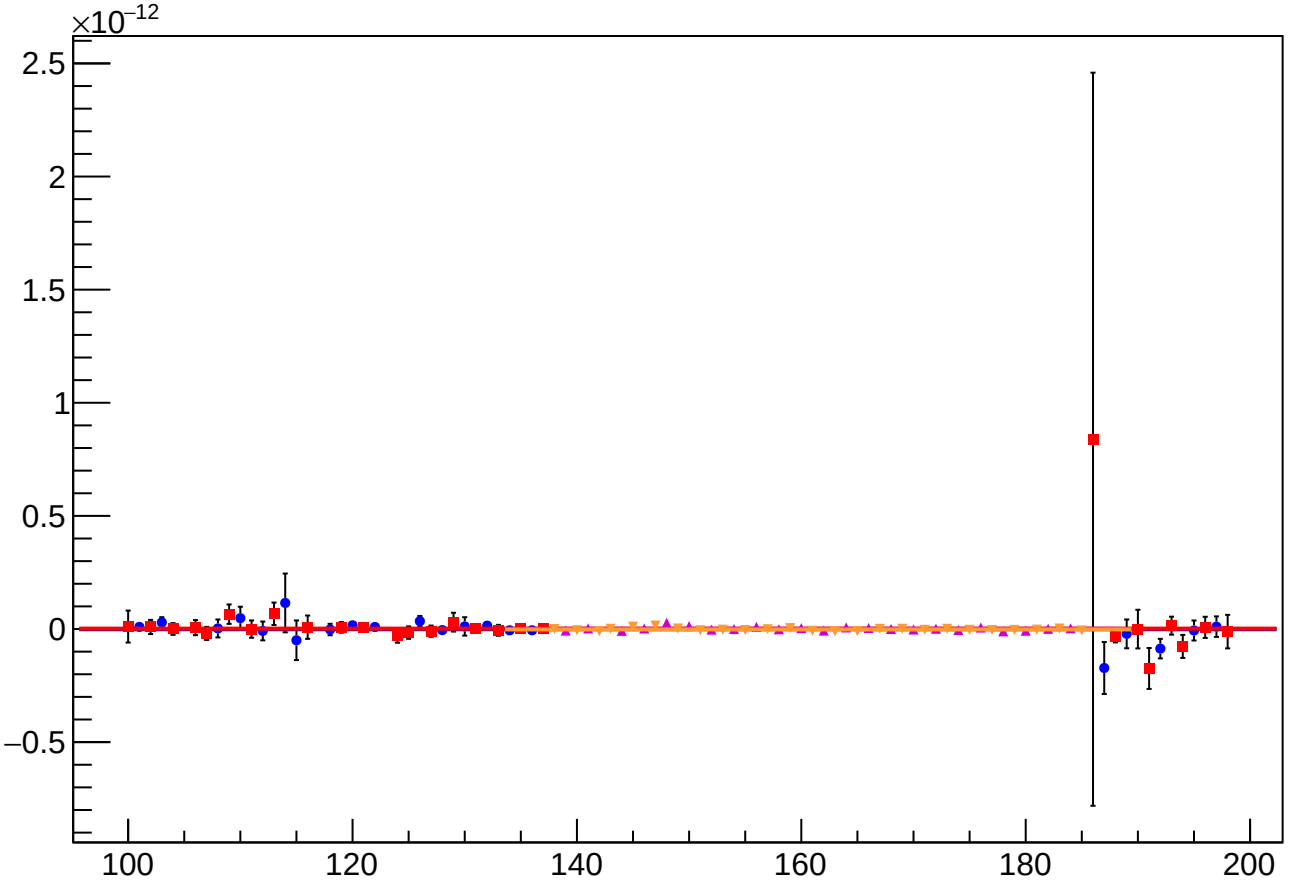
Right Out: 16.804+/-0.004 χ^2/NDF: 5686710.6/26

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.337+/-0.002 χ^2/NDF: 6879276.1/45

All: 15.480+/-0.002 χ^2/NDF: 15773815.2/95

- sign 15.628+/-0.002 χ^2/NDF: 8885866.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/26

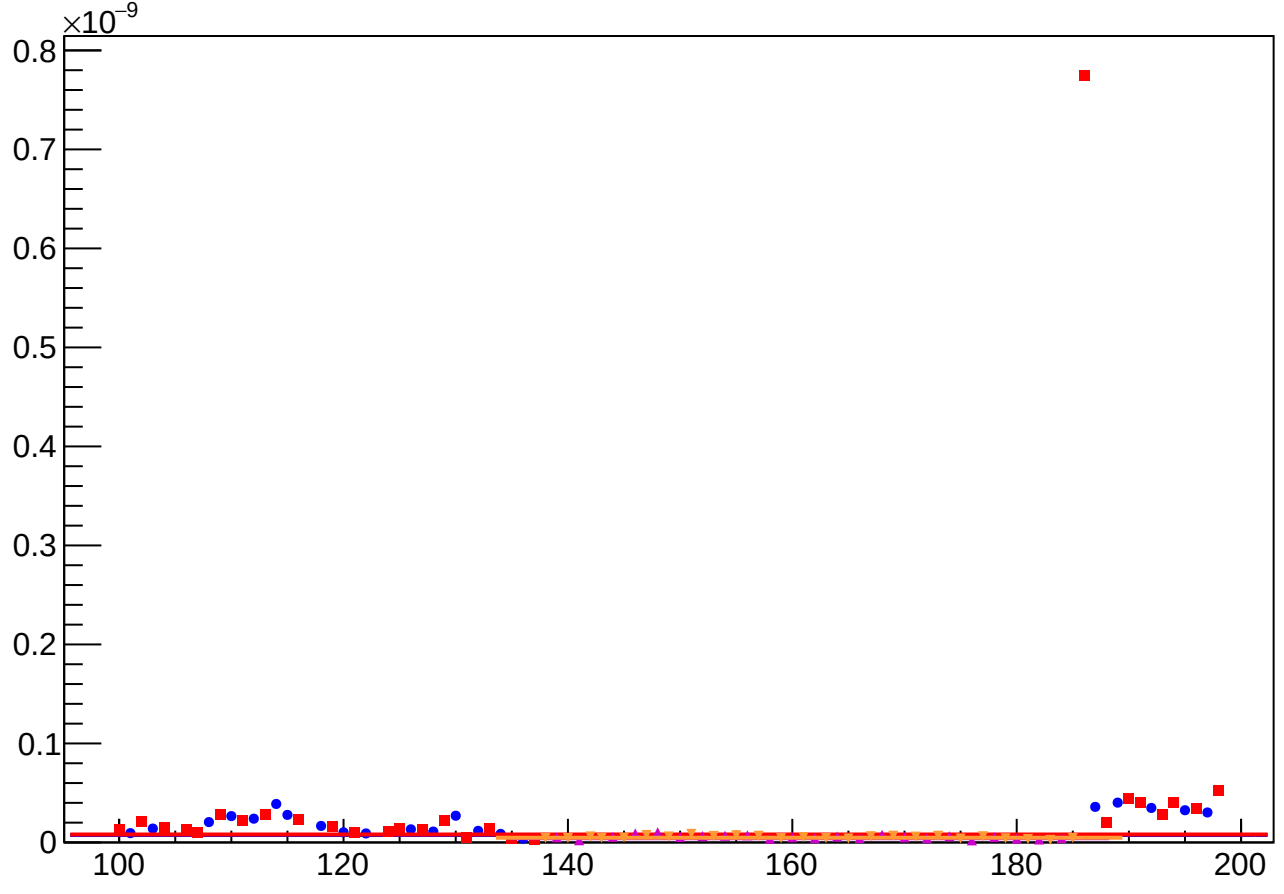
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/45

All: -0.000+/-0.000 χ^2/NDF: 69.9/95

- sign 0.000+/-0.000 χ^2/NDF: 37.0/49

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6173944.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8603246.4/26

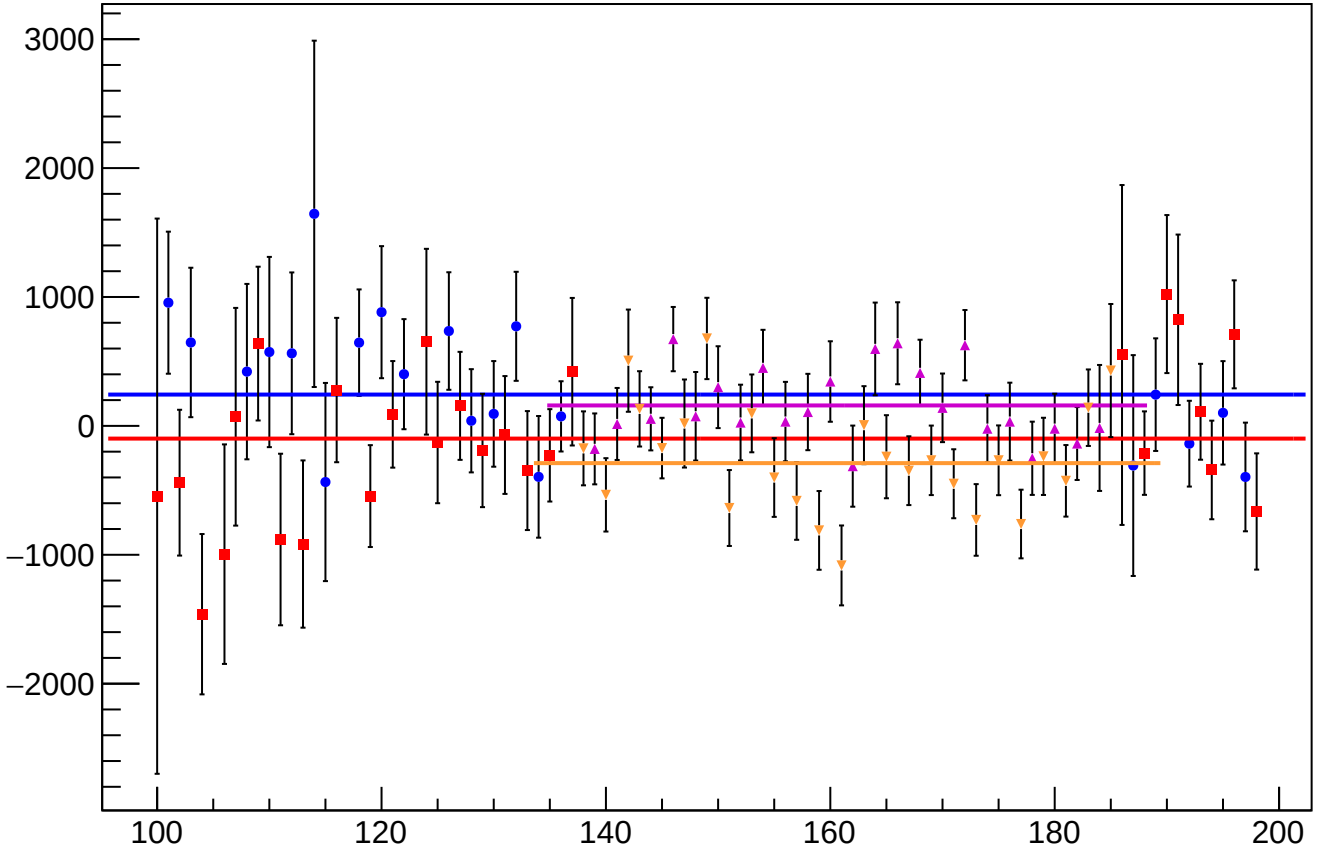
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9227256.1/45

All: 0.000+/-0.000 χ^2/NDF: 23168700.6/95

- sign 0.000+/-0.000 χ^2/NDF: 13834364.7/49

reg_asym_sam2_mean vs Slug



Right In: 242.971+/-100.891 χ^2/NDF: 16.7/20

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -98.599+/-95.797 χ^2/NDF: 27.2/26

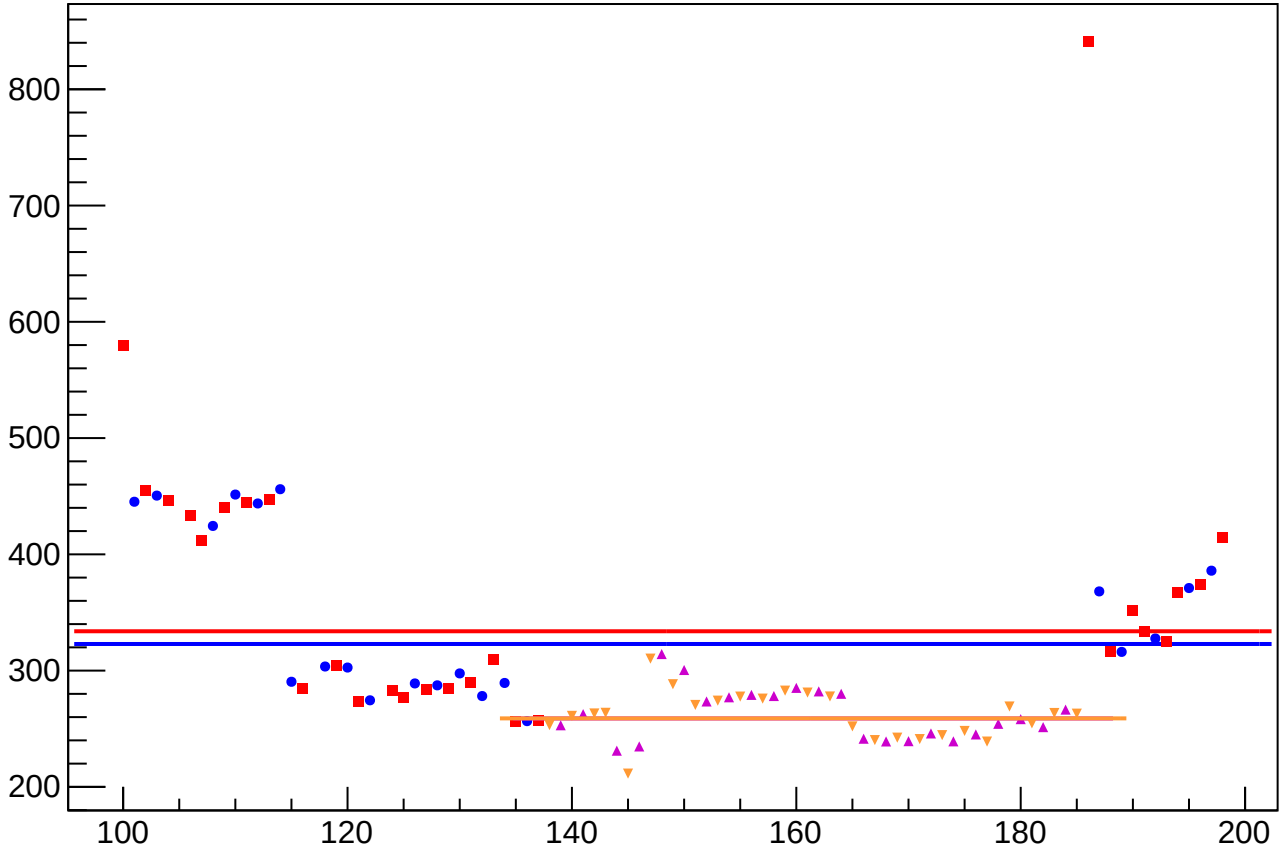
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -153.260+/-50.953 χ^2/NDF: 79.8/45

All: -34.934+/-36.144 χ^2/NDF: 145.5/95

- sign 84.907+/-51.278 χ^2/NDF: 54.9/49

reg_asym_sam2_rms vs Slug



Right In: 322.896+/-0.071 χ^2/NDF: 696965.1/20

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 333.840+/-0.068 χ^2/NDF: 1127349.2/26

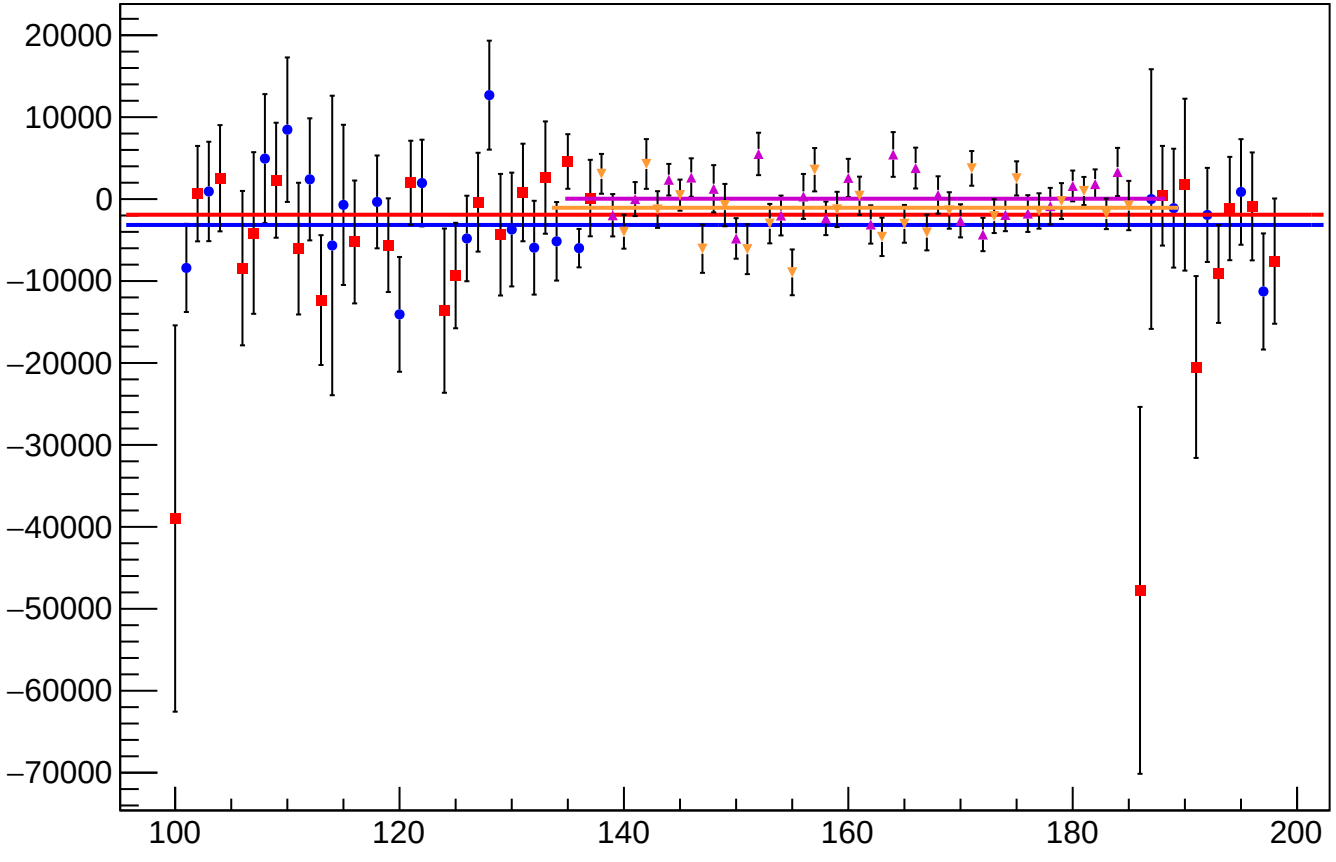
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.232+/-0.036 χ^2/NDF: 1544937.0/45

All: 277.765+/-0.026 χ^2/NDF: 3801771.6/95

- sign 280.332+/-0.036 χ^2/NDF: 2246880.2/49

asym_sam2_reg_correction_mean vs Slug



Right In: -3154.891+/-1247.153 χ^2/NDF: 18.0/20

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1907.312+/-1270.343 χ^2/NDF: 24.0/26

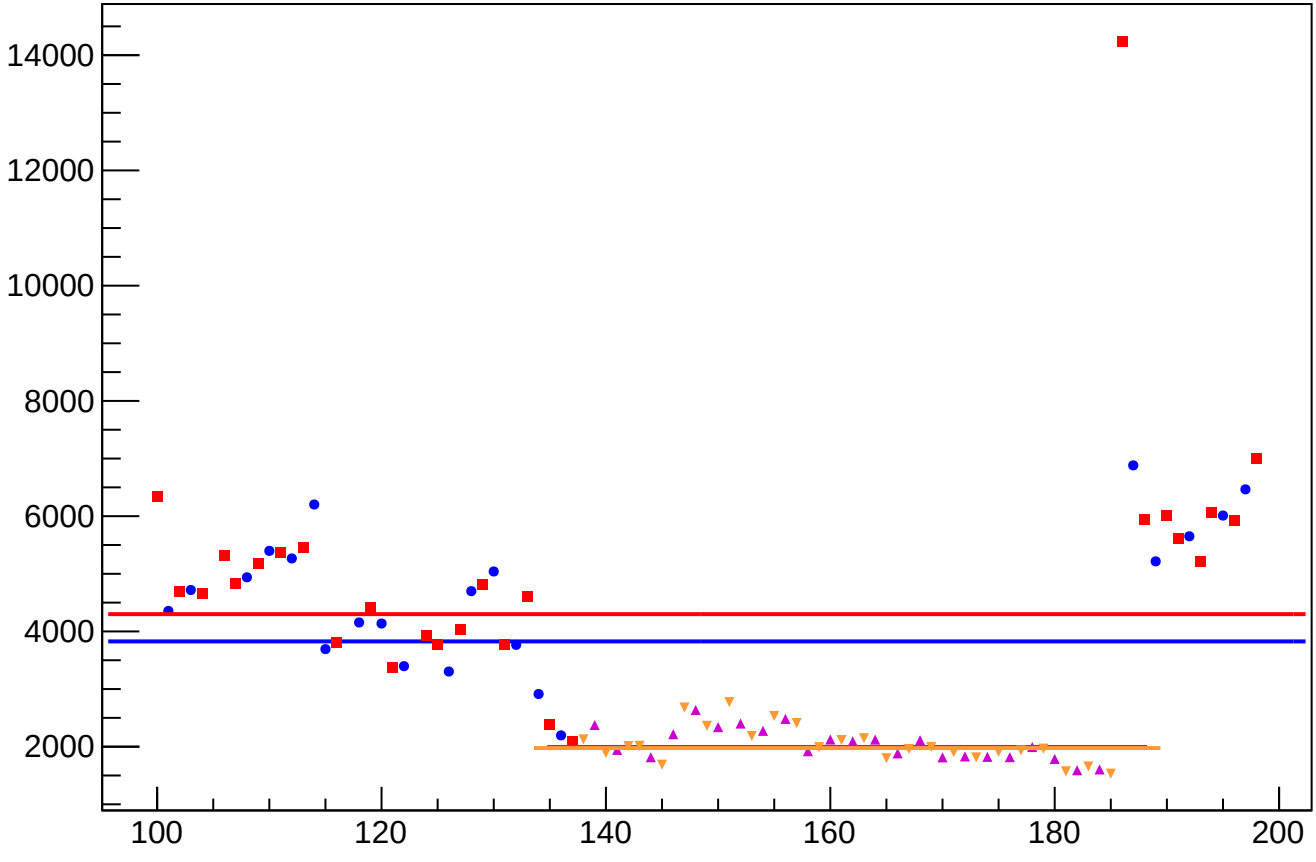
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1305.068+/-427.154 χ^2/NDF: 62.0/45

All: -766.393+/-306.948 χ^2/NDF: 125.5/95

- sign -191.251+/-441.376 χ^2/NDF: 60.3/49

asym_sam2_reg_correction_rms vs Slug



Right In: 3826.752+/-0.882 χ^2/NDF: 2311497.1/20

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4300.130+/-0.898 χ^2/NDF: 2600648.2/26

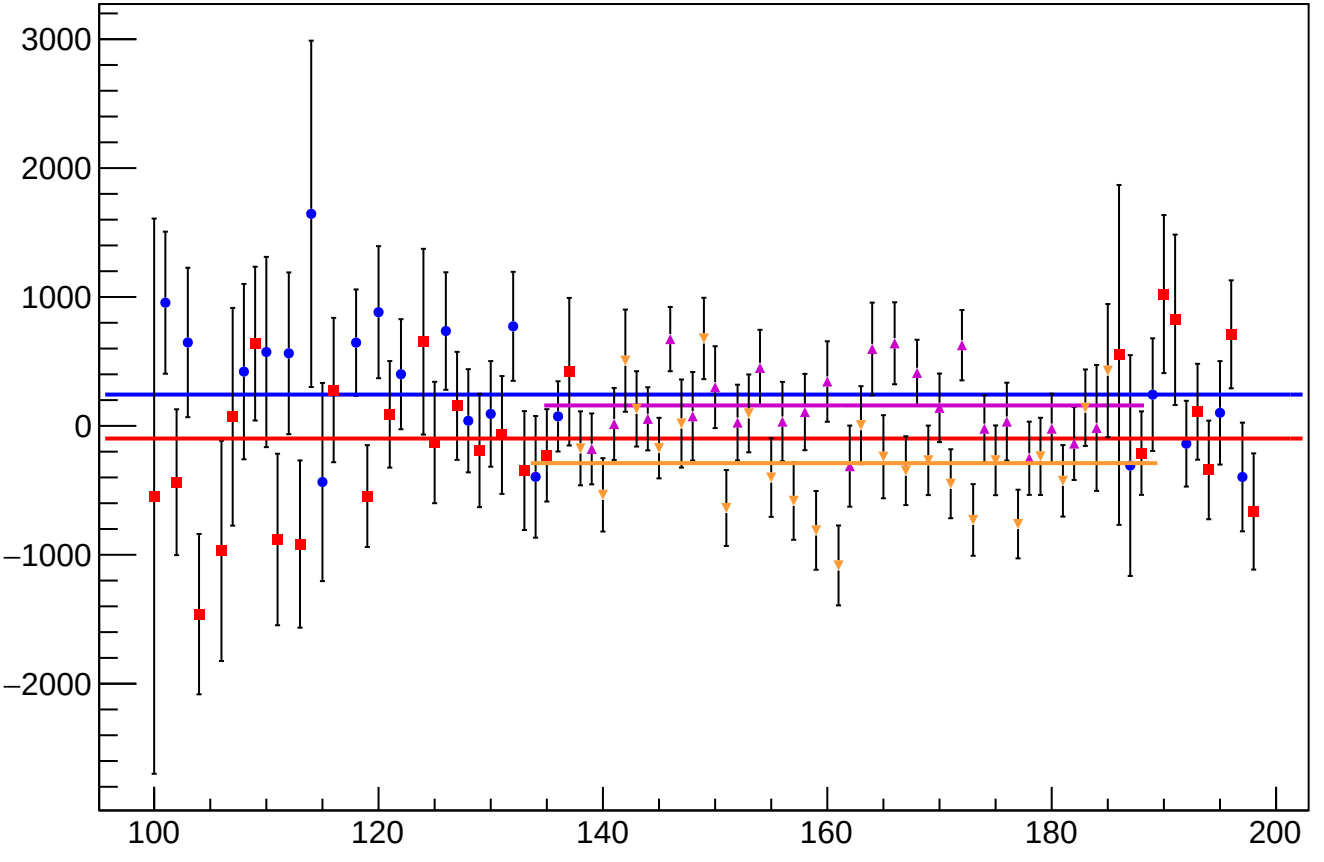
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2193.080+/-0.302 χ^2/NDF: 6962692.2/45

All: 2231.761+/-0.217 χ^2/NDF: 15988827.2/9

- sign 2273.061+/-0.312 χ^2/NDF: 8992223.1/49

cor_asym_sam2_mean vs Slug



Right In: 242.953+/-100.891 χ^2/NDF: 16.7/20

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -98.065+/-95.803 χ^2/NDF: 27.1/26

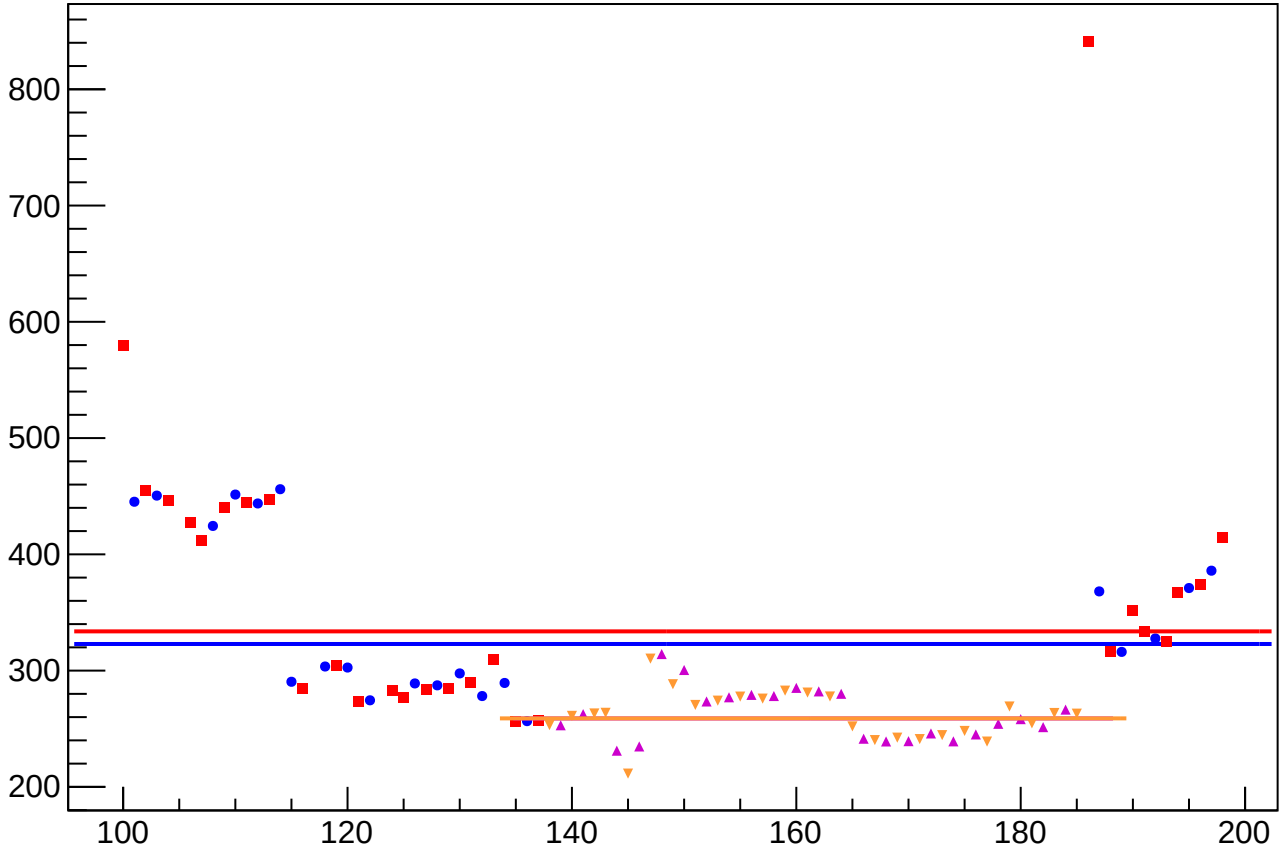
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -153.267+/-50.953 χ^2/NDF: 79.8/45

All: -34.857+/-36.144 χ^2/NDF: 145.5/95

- sign 85.074+/-51.279 χ^2/NDF: 54.8/49

cor_asym_sam2_rms vs Slug



Right In: 322.896+/-0.071 χ^2/NDF: 696966.5/20

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 333.748+/-0.068 χ^2/NDF: 1123755.4/26

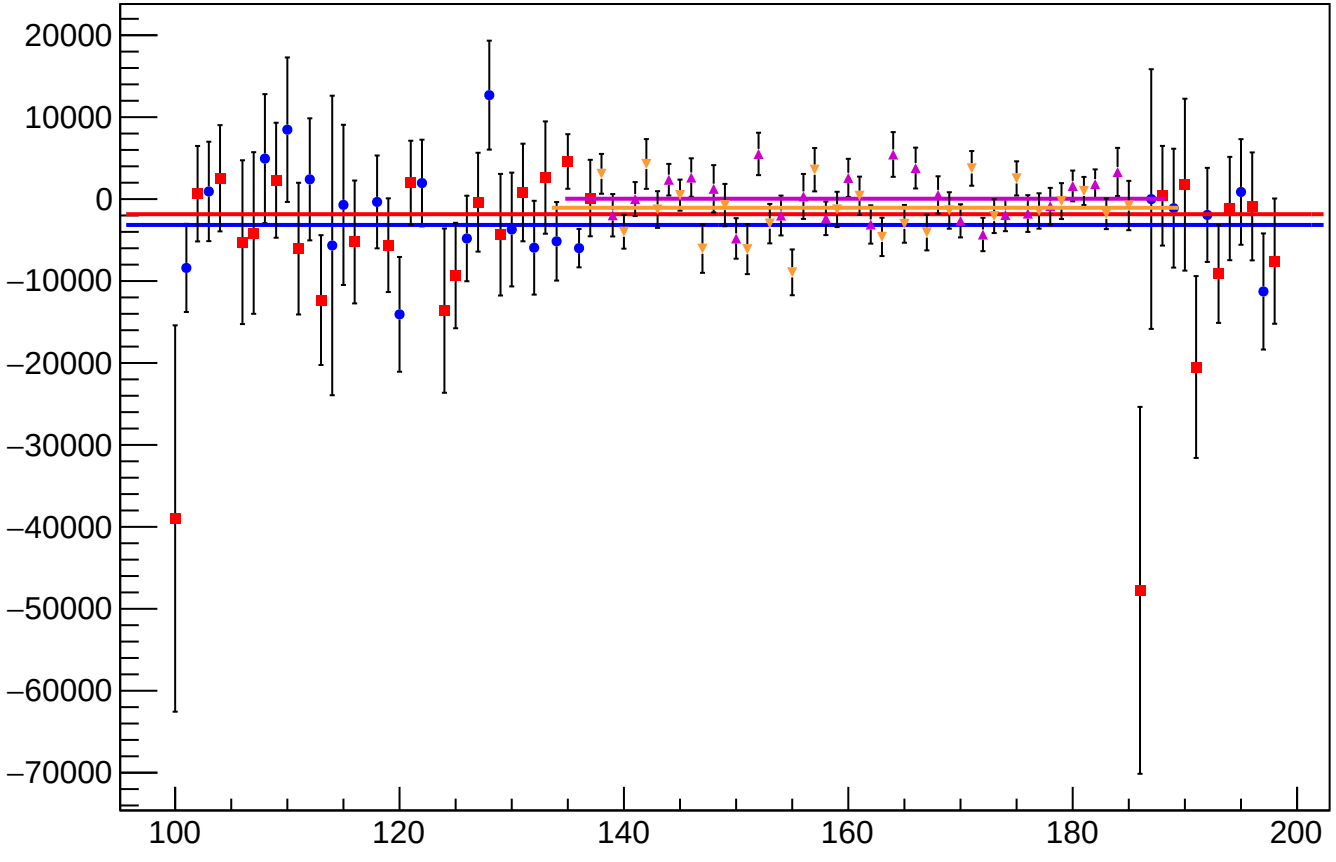
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.232+/-0.036 χ^2/NDF: 1544938.6/45

All: 277.751+/-0.026 χ^2/NDF: 3795840.8/95

- sign 280.303+/-0.036 χ^2/NDF: 2241058.2/49

asym_sam2_cor_correction_mean vs Slug



Right In: -3154.839+/-1247.155 χ^2/NDF: 18.0/20

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1843.259+/-1271.664 χ^2/NDF: 23.7/26

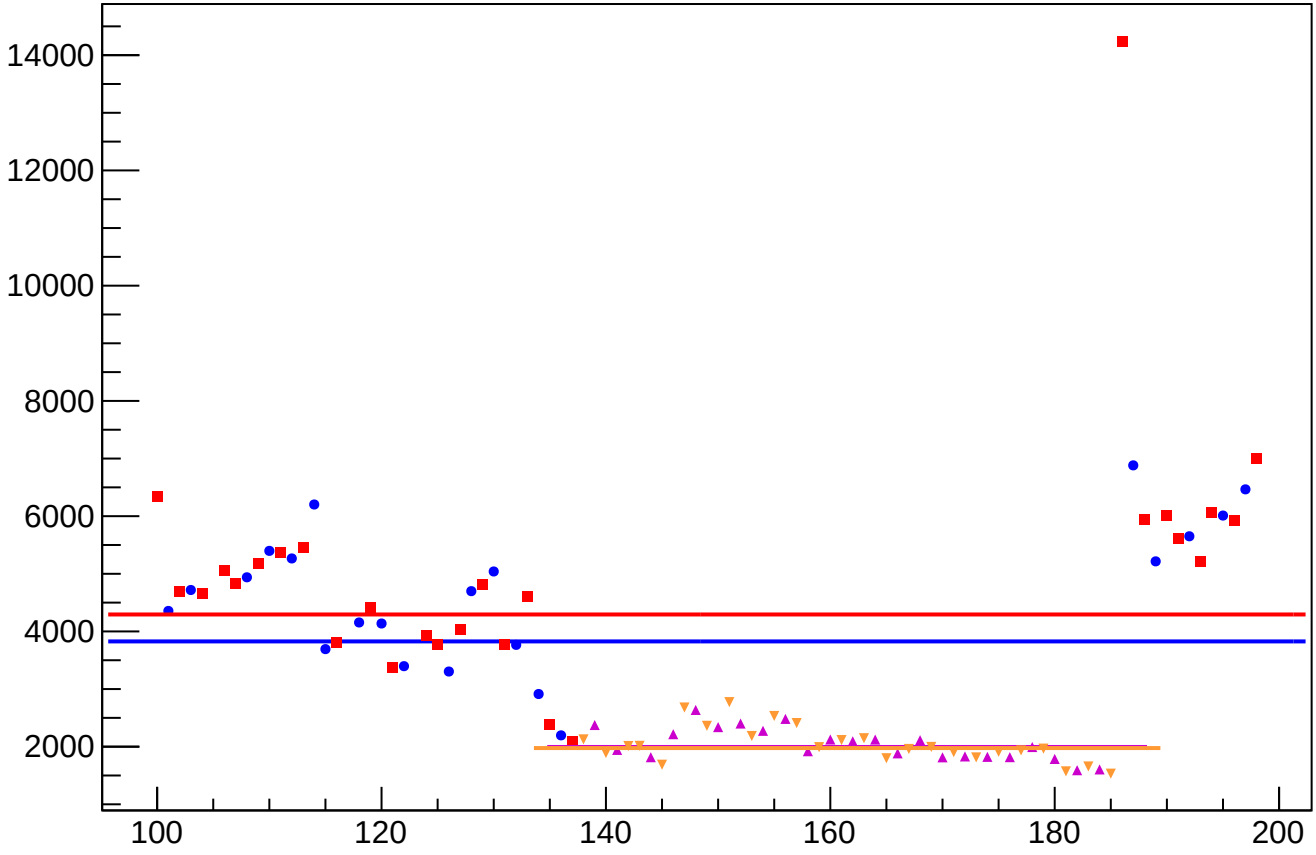
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1305.064+/-427.154 χ^2/NDF: 62.0/45

All: -762.522+/-306.967 χ^2/NDF: 125.1/95

- sign -183.106+/-441.431 χ^2/NDF: 59.8/49

asym_sam2_cor_correction_rms vs Slug



Right In: 3826.757+/-0.882 χ^2/NDF: 2311508.7/20

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4294.198+/-0.899 χ^2/NDF: 2589405.0/26

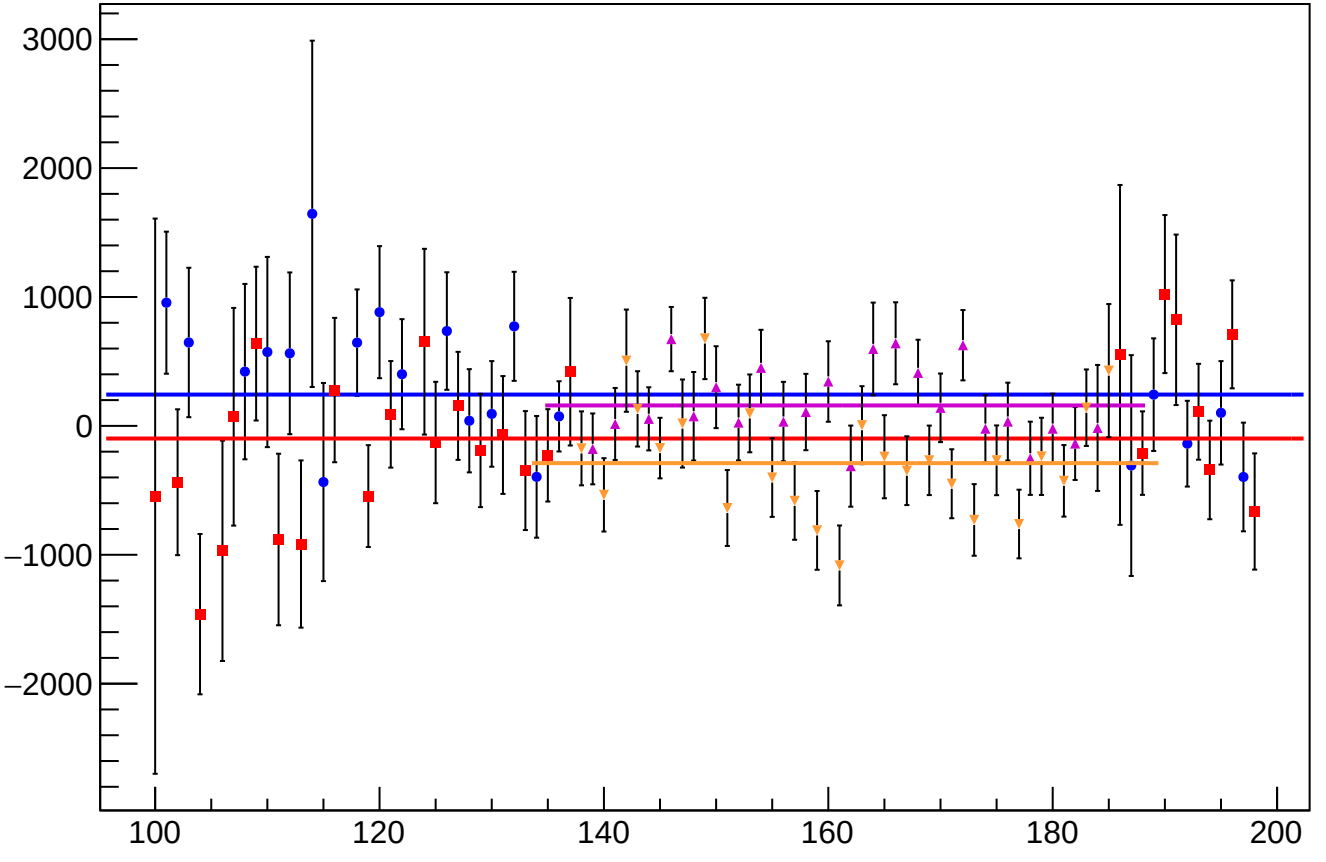
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2193.080+/-0.302 χ^2/NDF: 6962712.4/45

All: 2231.165+/-0.217 χ^2/NDF: 15936276.0/9

- sign 2271.838+/-0.312 χ^2/NDF: 8940685.0/49

eigen_cor_asym_sam2_mean vs Slug



Right In: 242.953+/-100.891 χ^2/NDF: 16.7/20

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -98.065+/-95.803 χ^2/NDF: 27.1/26

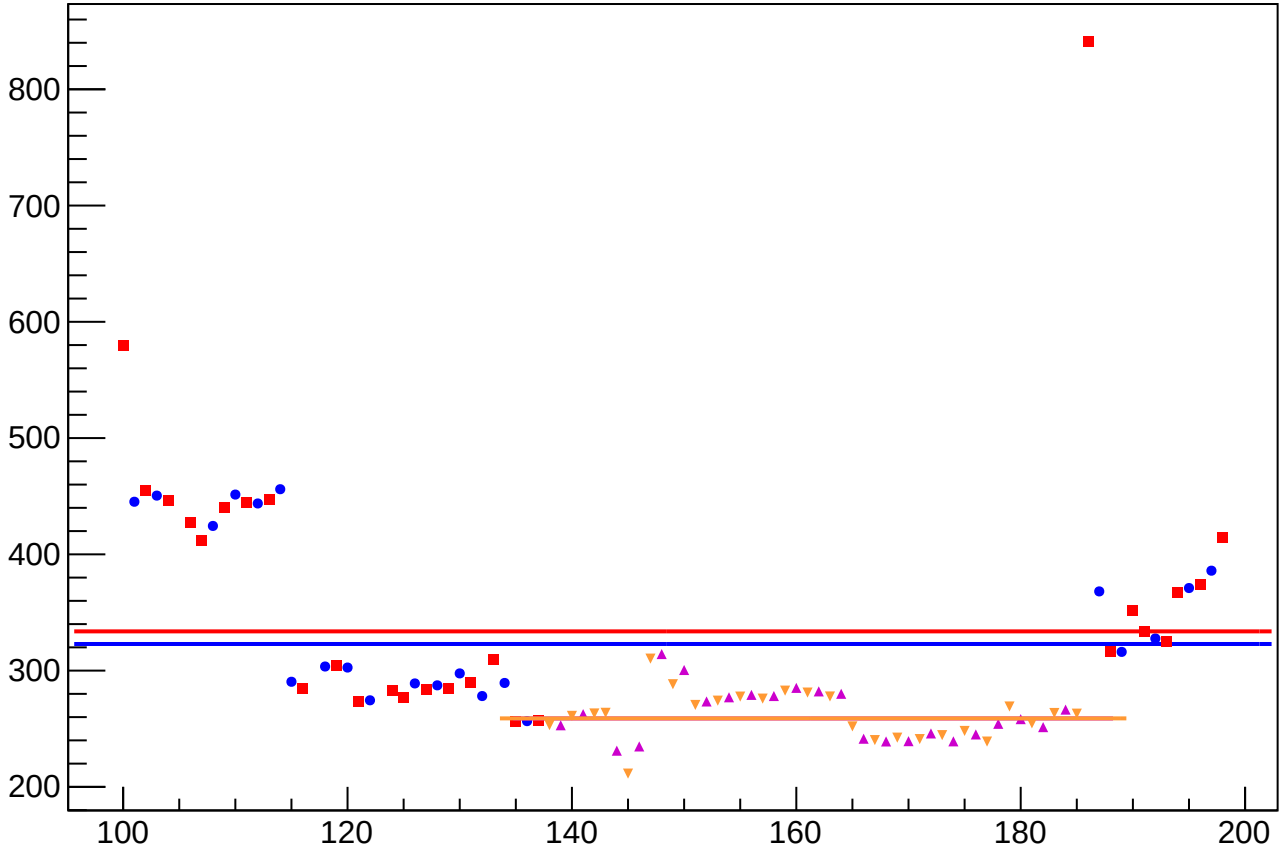
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -153.267+/-50.953 χ^2/NDF: 79.8/45

All: -34.857+/-36.144 χ^2/NDF: 145.5/95

- sign 85.074+/-51.279 χ^2/NDF: 54.8/49

eigen_cor_asym_sam2_rms vs Slug



Right In: 322.896+/-0.071 χ^2/NDF: 696966.5/20

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

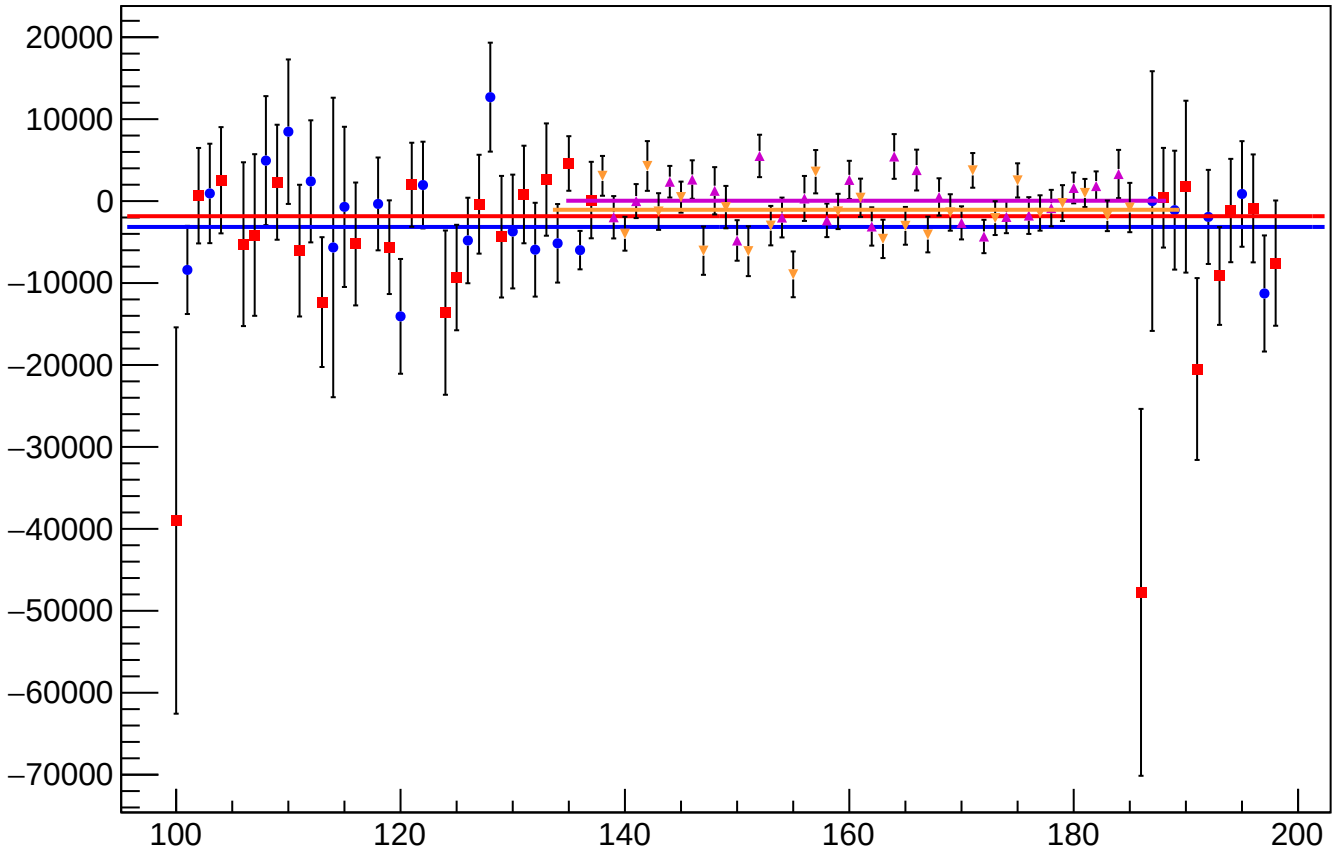
Right Out: 333.748+/-0.068 χ^2/NDF: 1123755.4/26

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.232+/-0.036 χ^2/NDF: 1544938.6/45

All: 277.751+/-0.026 χ^2/NDF: 3795840.8/95

- sign 280.303+/-0.036 χ^2/NDF: 2241058.2/49



Right In: -3154.839+/-1247.155 χ^2/NDF: 18.0/20

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1843.259+/-1271.664 χ^2/NDF: 23.7/26

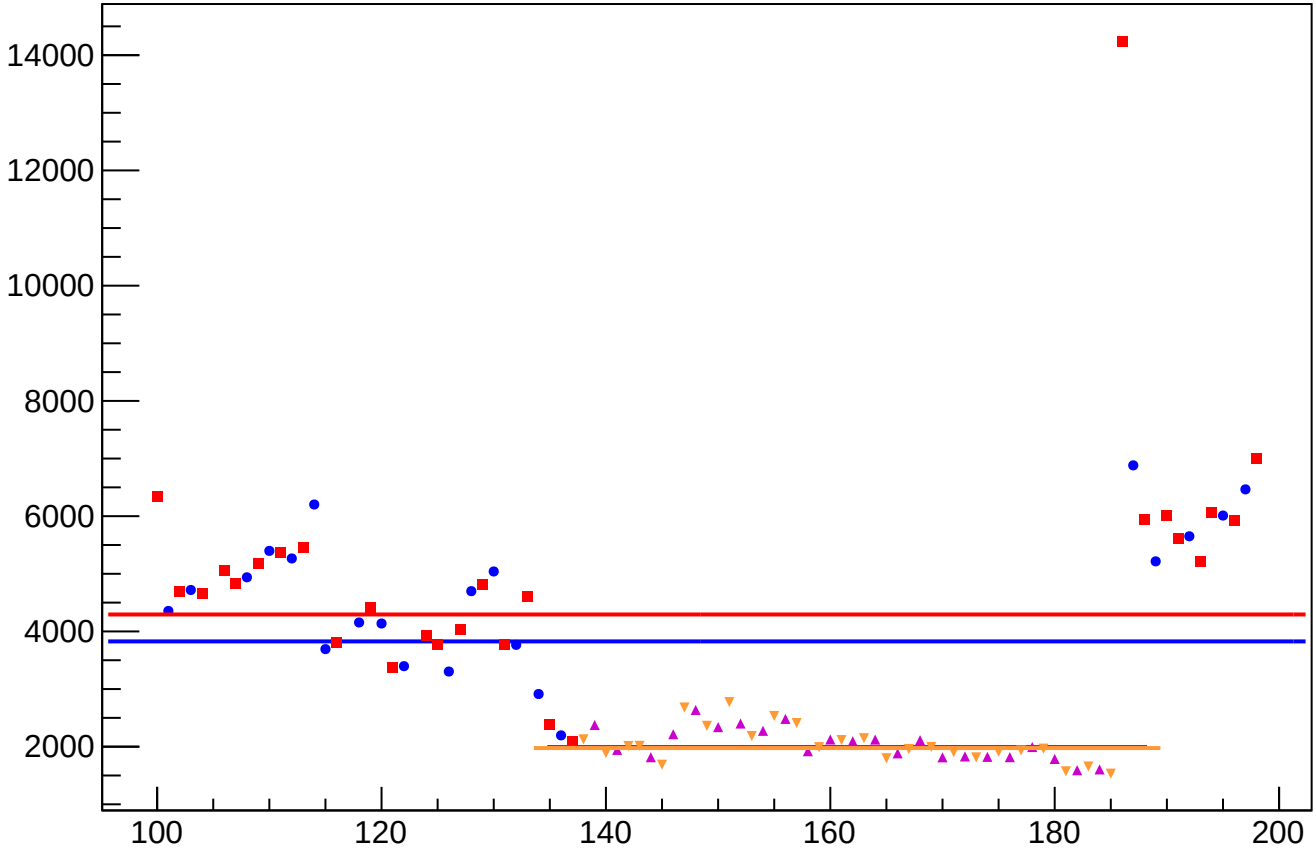
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1305.064+/-427.154 χ^2/NDF: 62.0/45

All: -762.522+/-306.967 χ^2/NDF: 125.1/95

- sign -183.106+/-441.431 χ^2/NDF: 59.8/49

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3826.757+/-0.882 χ^2/NDF: 2311508.7/20

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4294.198+/-0.899 χ^2/NDF: 2589405.0/26

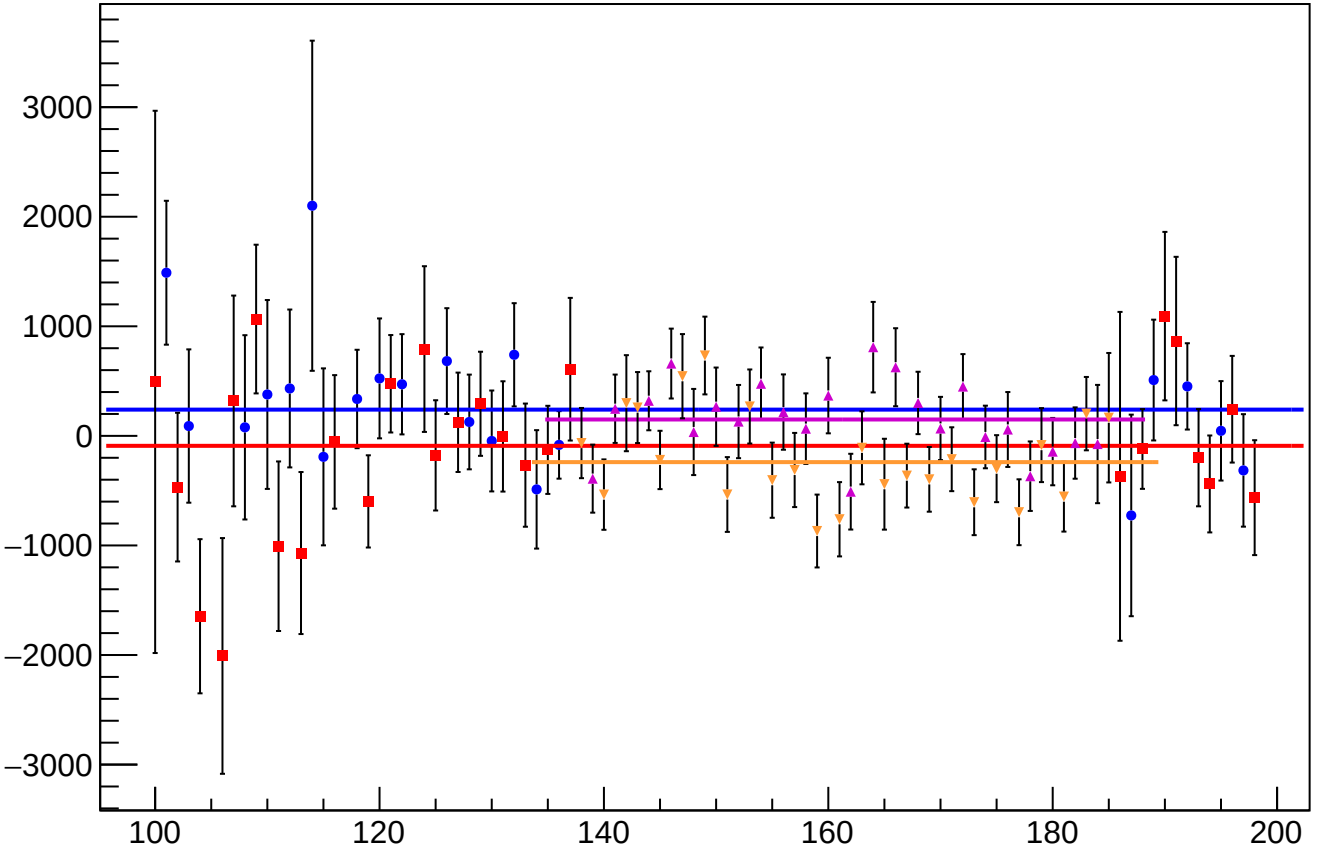
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2193.080+/-0.302 χ^2/NDF: 6962712.4/45

All: 2231.165+/-0.217 χ^2/NDF: 15936276.0/9

- sign 2271.838+/-0.312 χ^2/NDF: 8940685.0/49

dit_asym_sam2_mean vs Slug



Right In: 239.617+/-114.332 χ^2/NDF: 14.5/20

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -90.877+/-108.186 χ^2/NDF: 27.2/26

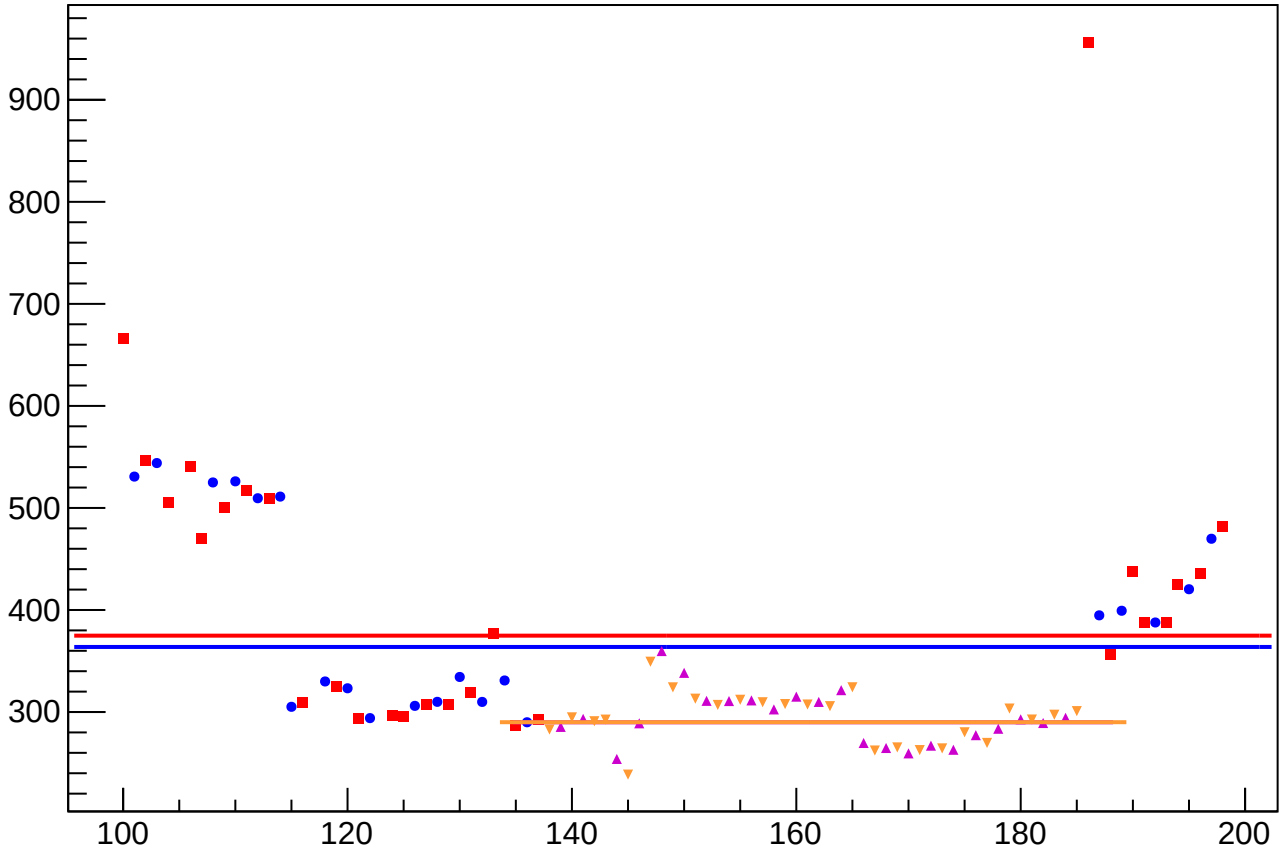
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -119.329+/-57.268 χ^2/NDF: 61.7/45

All: -19.758+/-40.636 χ^2/NDF: 120.2/95

- sign 81.210+/-57.669 χ^2/NDF: 52.5/49

dit_asym_sam2_rms vs Slug



Right In: 363.763+/-0.081 χ^2/NDF: 937311.3/20

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 374.841+/-0.076 χ^2/NDF: 1380611.4/26

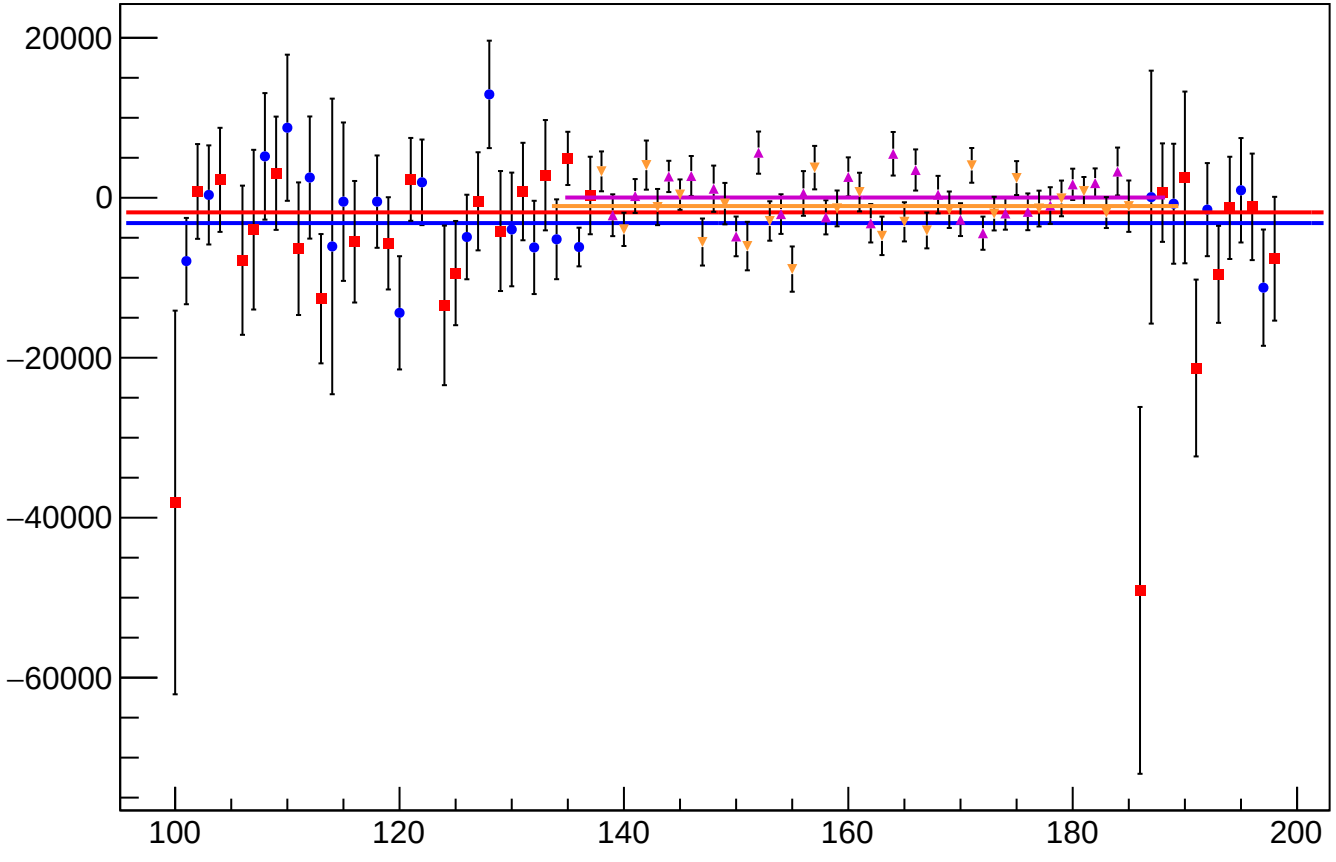
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 308.524+/-0.040 χ^2/NDF: 1841190.9/45

All: 311.275+/-0.029 χ^2/NDF: 4382495.5/95

- sign 314.065+/-0.041 χ^2/NDF: 2532007.7/49

asym_sam2_dit_correction_mean vs Slug



Right In: -3164.920+/-1274.491 χ^2/NDF: 17.9/20

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1826.339+/-1285.930 χ^2/NDF: 24.9/26

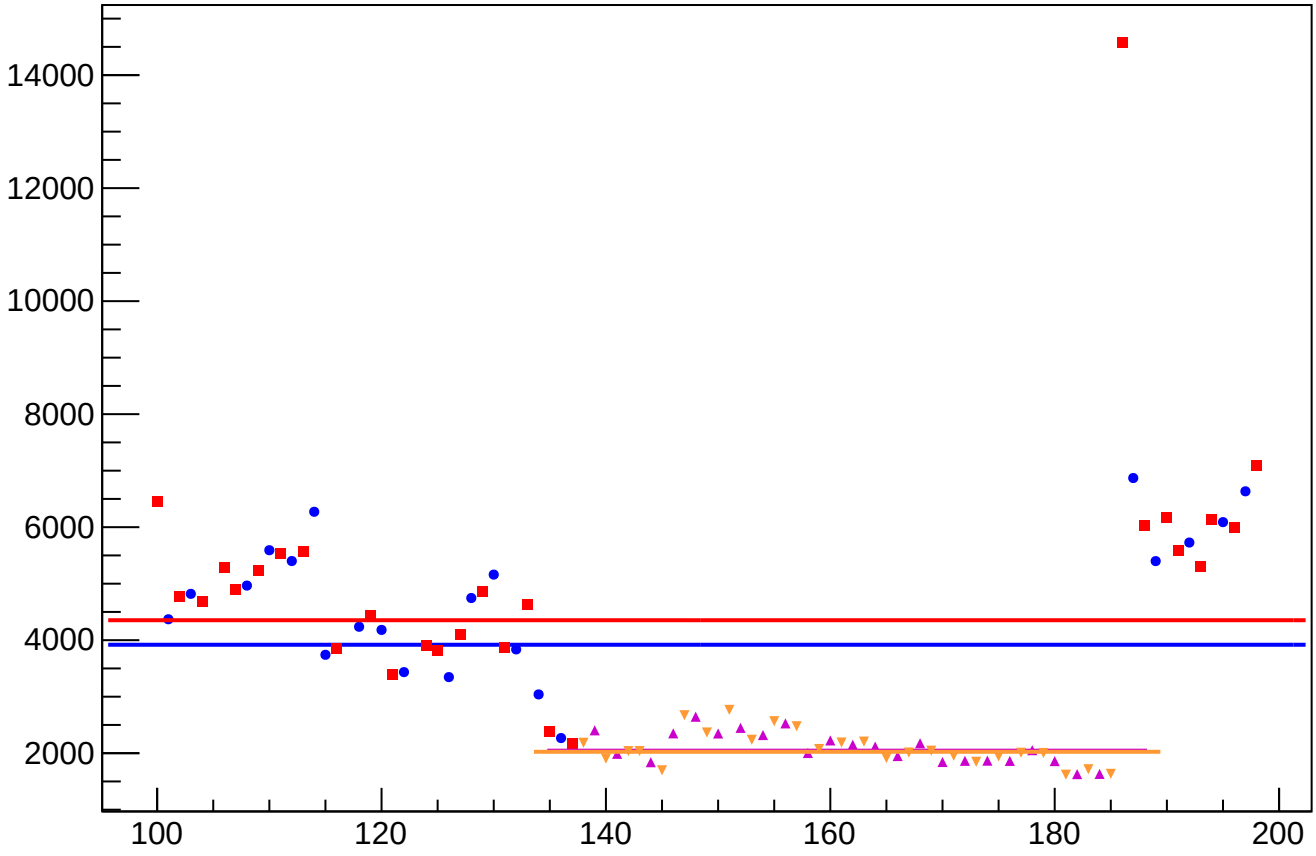
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1286.931+/-437.102 χ^2/NDF: 60.6/45

All: -760.460+/-314.067 χ^2/NDF: 124.5/95

- sign -198.566+/-451.567 χ^2/NDF: 60.9/49

asym_sam2_dit_correction_rms vs Slug



Right In: 3919.259+/-0.901 χ^2/NDF: 2243098.8/20

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4353.213+/-0.909 χ^2/NDF: 2606888.0/26

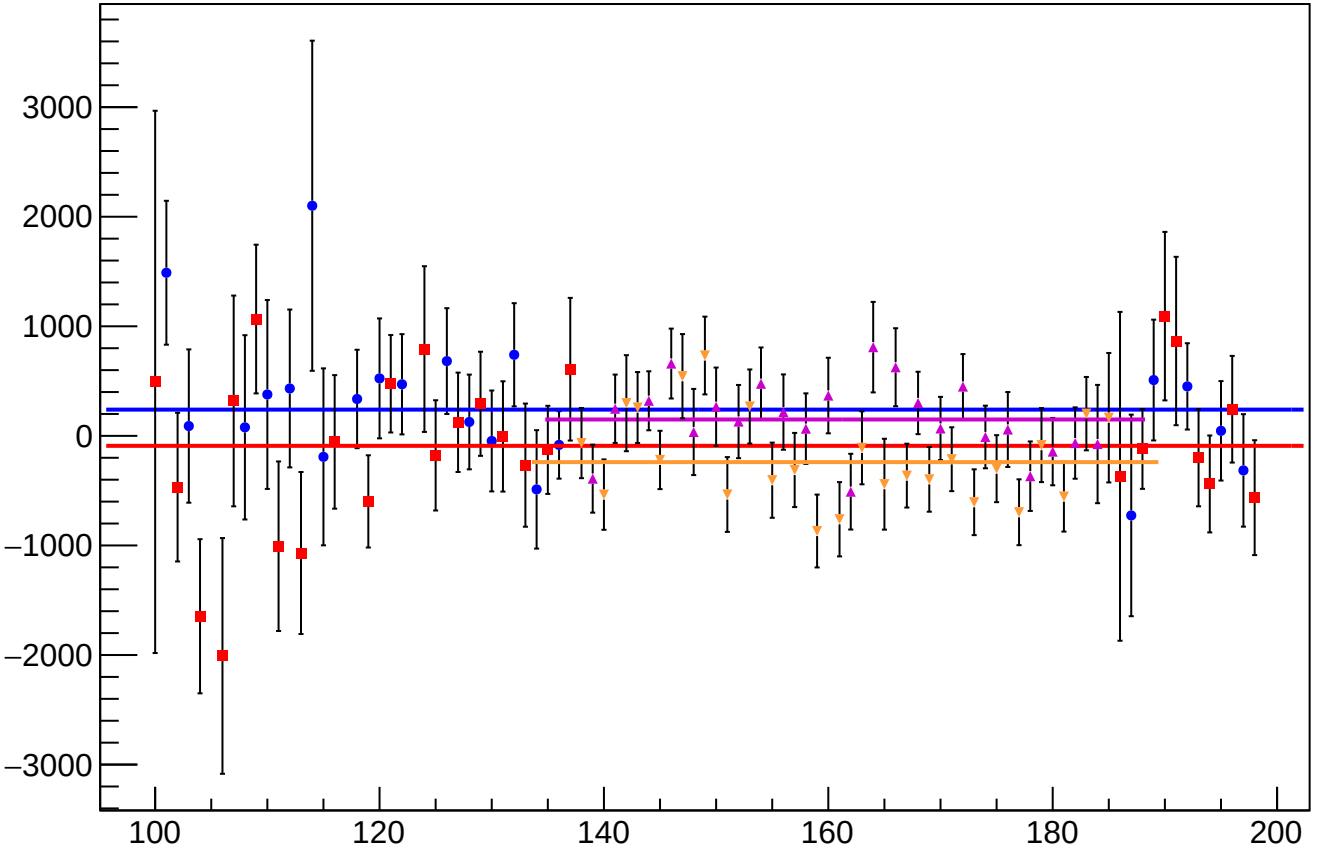
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2247.883+/-0.309 χ^2/NDF: 6842000.4/45

All: 2287.225+/-0.222 χ^2/NDF: 15718900.7/9

- sign 2329.214+/-0.319 χ^2/NDF: 8843405.2/49

eigen_dit_asym_sam2_mean vs Slug



Right In: 239.621+/-114.332 χ^2/NDF: 14.5/20

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -90.878+/-108.185 χ^2/NDF: 27.2/26

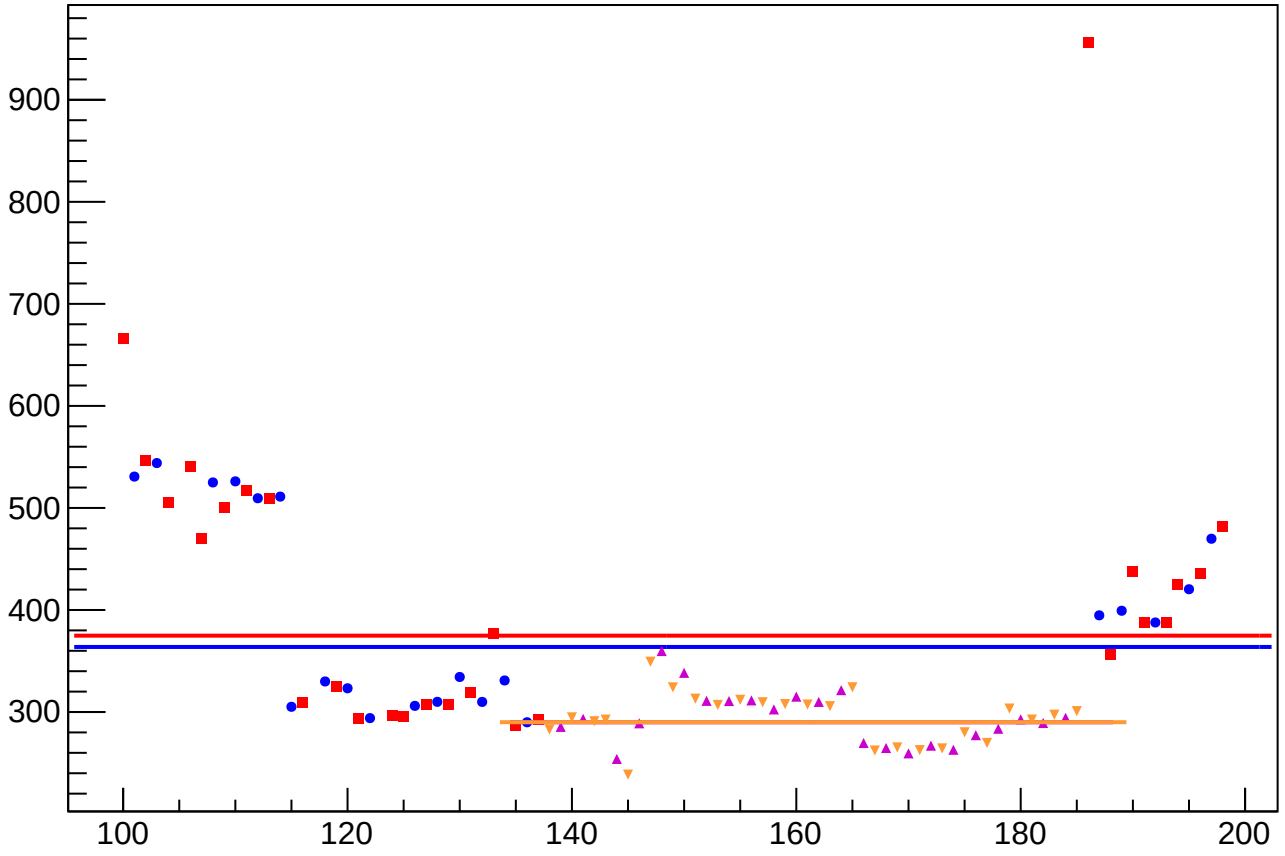
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -119.330+/-57.268 χ^2/NDF: 61.7/45

All: -19.758+/-40.636 χ^2/NDF: 120.2/95

- sign 81.210+/-57.669 χ^2/NDF: 52.5/49

eigen_dit_asym_sam2_rms vs Slug



Right In: 363.762+/-0.081 χ^2/NDF: 937311.4/20

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 374.841+/-0.076 χ^2/NDF: 1380604.1/26

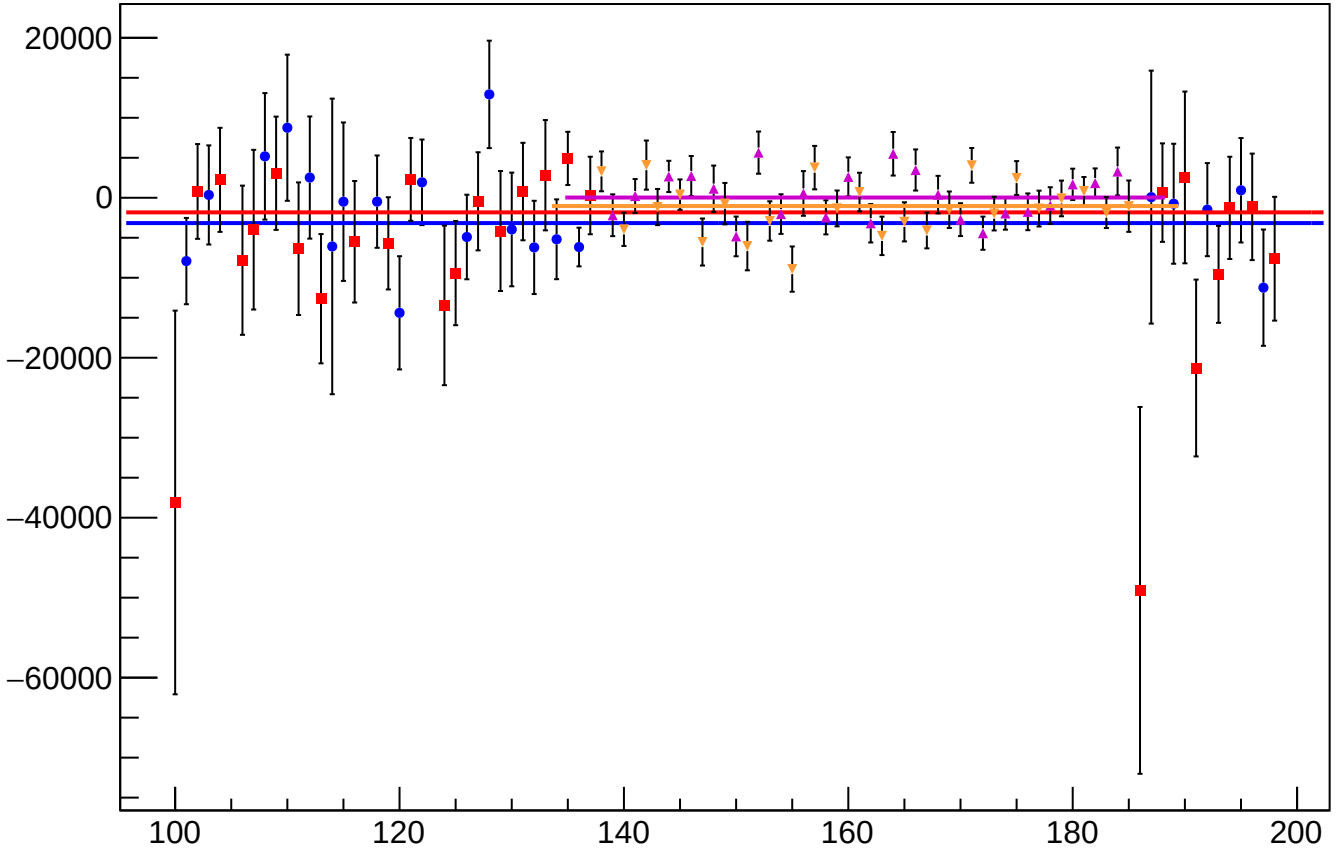
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 308.524+/-0.040 χ^2/NDF: 1841172.2/45

All: 311.275+/-0.029 χ^2/NDF: 4382457.2/95

- sign 314.065+/-0.041 χ^2/NDF: 2531988.0/49

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3164.913+/-1274.489 χ^2/NDF: 17.9/20

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1826.341+/-1285.929 χ^2/NDF: 24.9/26

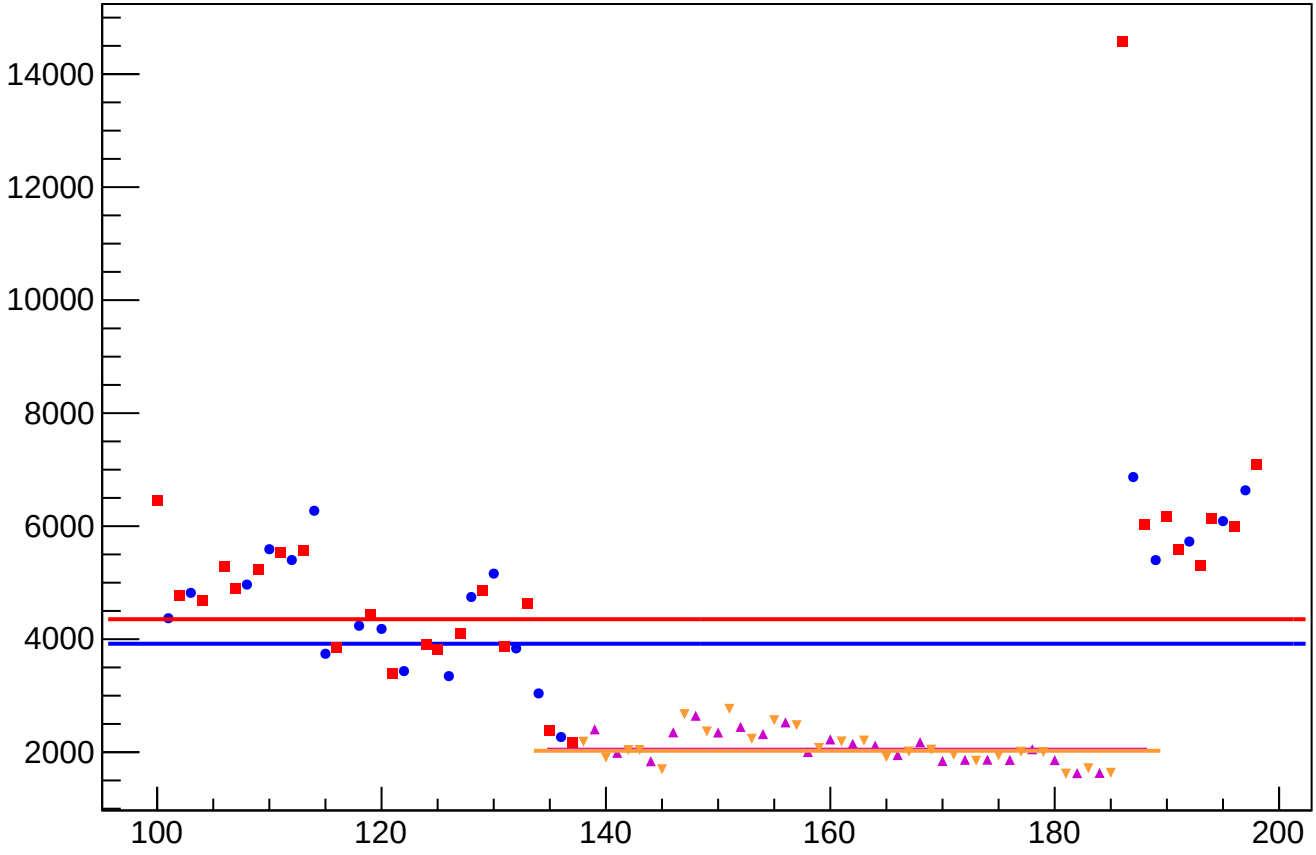
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1286.931+/-437.102 χ^2/NDF: 60.6/45

All: -760.460+/-314.067 χ^2/NDF: 124.5/95

- sign -198.568+/-451.567 χ^2/NDF: 60.9/49

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3919.256+/-0.901 χ^2/NDF: 2243088.1/20

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4353.208+/-0.909 χ^2/NDF: 2606883.6/26

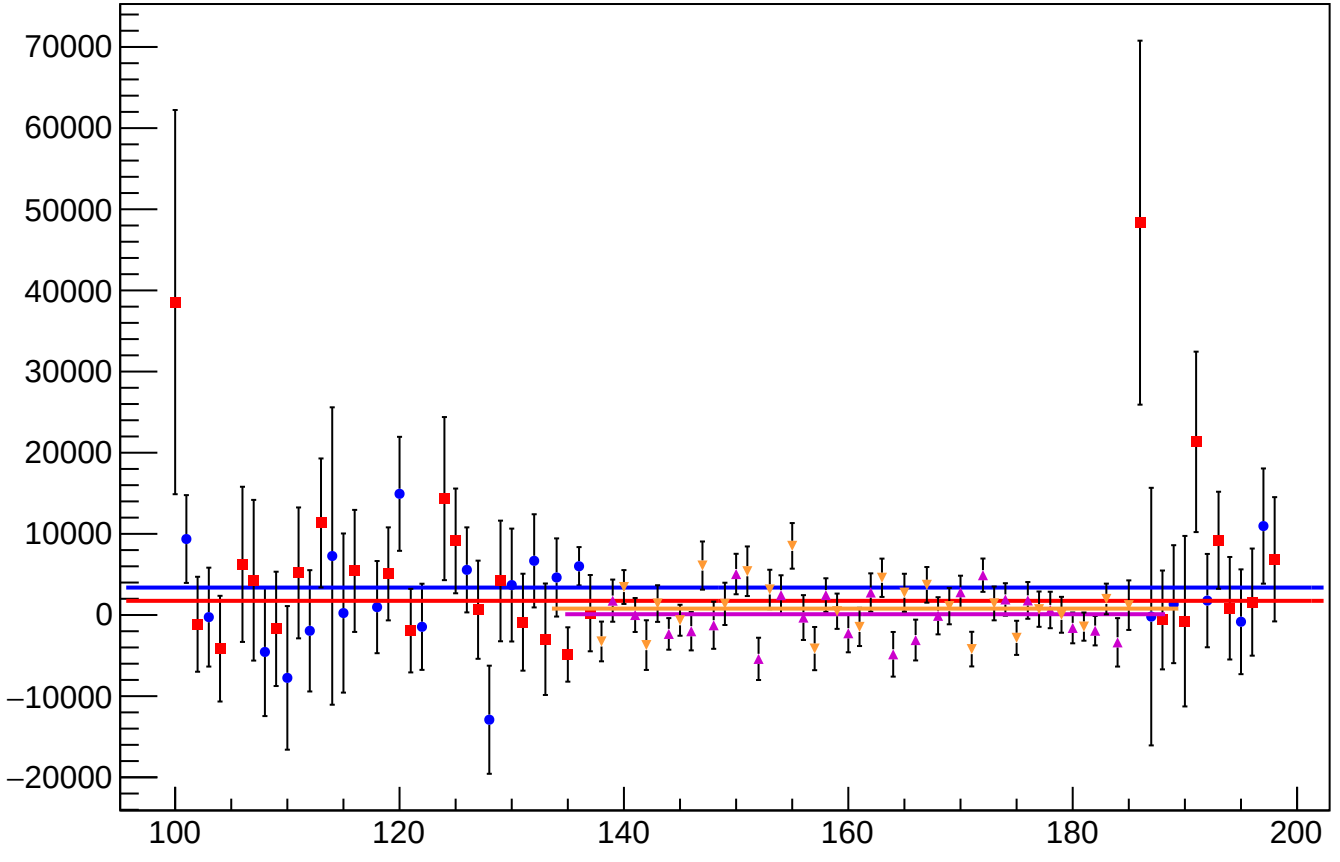
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2247.883+/-0.309 χ^2/NDF: 6841985.1/45

All: 2287.225+/-0.222 χ^2/NDF: 15718874.2/9

- sign 2329.214+/-0.319 χ^2/NDF: 8843394.6/49

asym_sam2_mean vs Slug



Right In: 3381.790+/-1252.613 χ^2/NDF: 18.1/20

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1746.007+/-1275.178 χ^2/NDF: 24.1/26

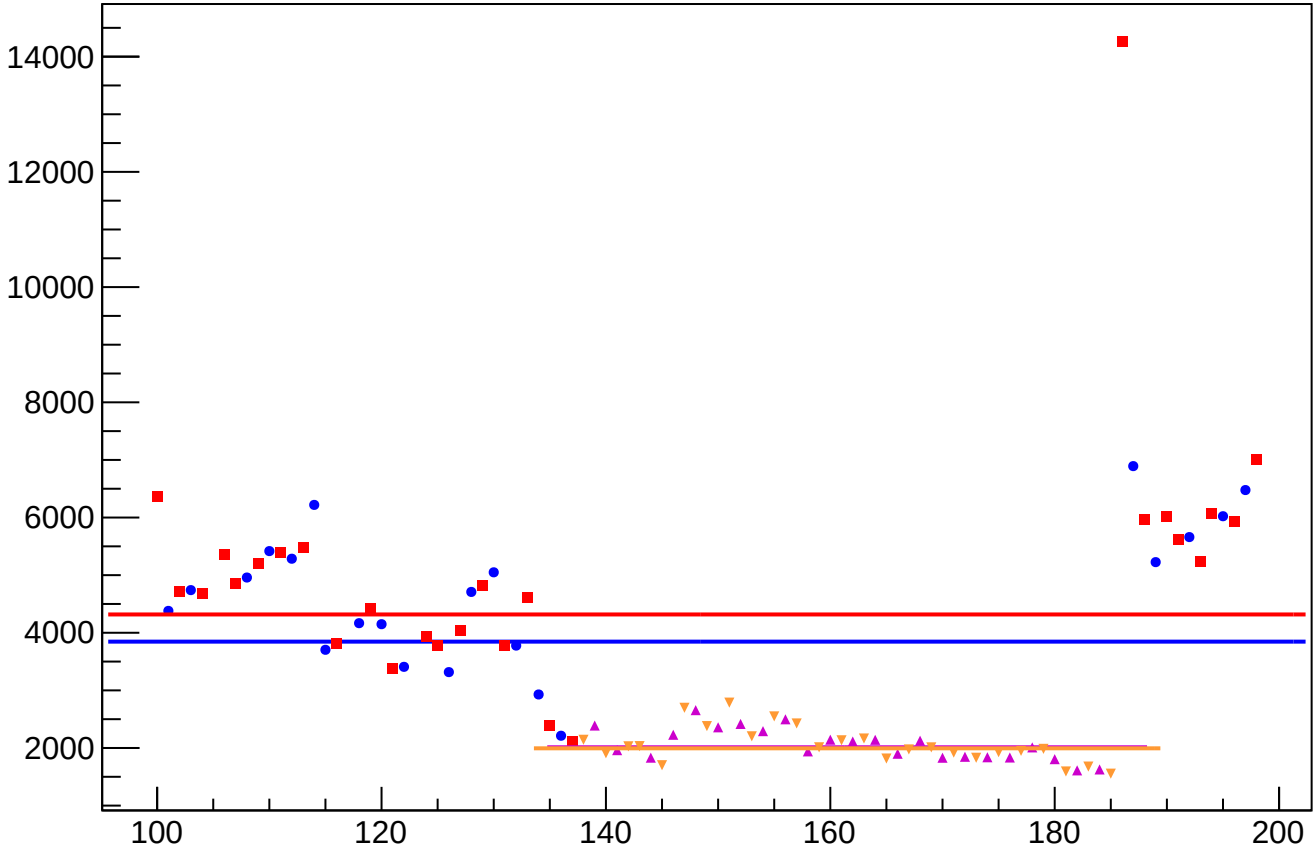
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1095.009+/-430.750 χ^2/NDF: 63.2/45

All: 709.237+/-309.494 χ^2/NDF: 123.2/95

- sign 297.560+/-444.978 χ^2/NDF: 58.4/49

asym_sam2_rms vs Slug



Right In: 3846.052+/-0.886 χ^2/NDF: 2288009.7/20

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

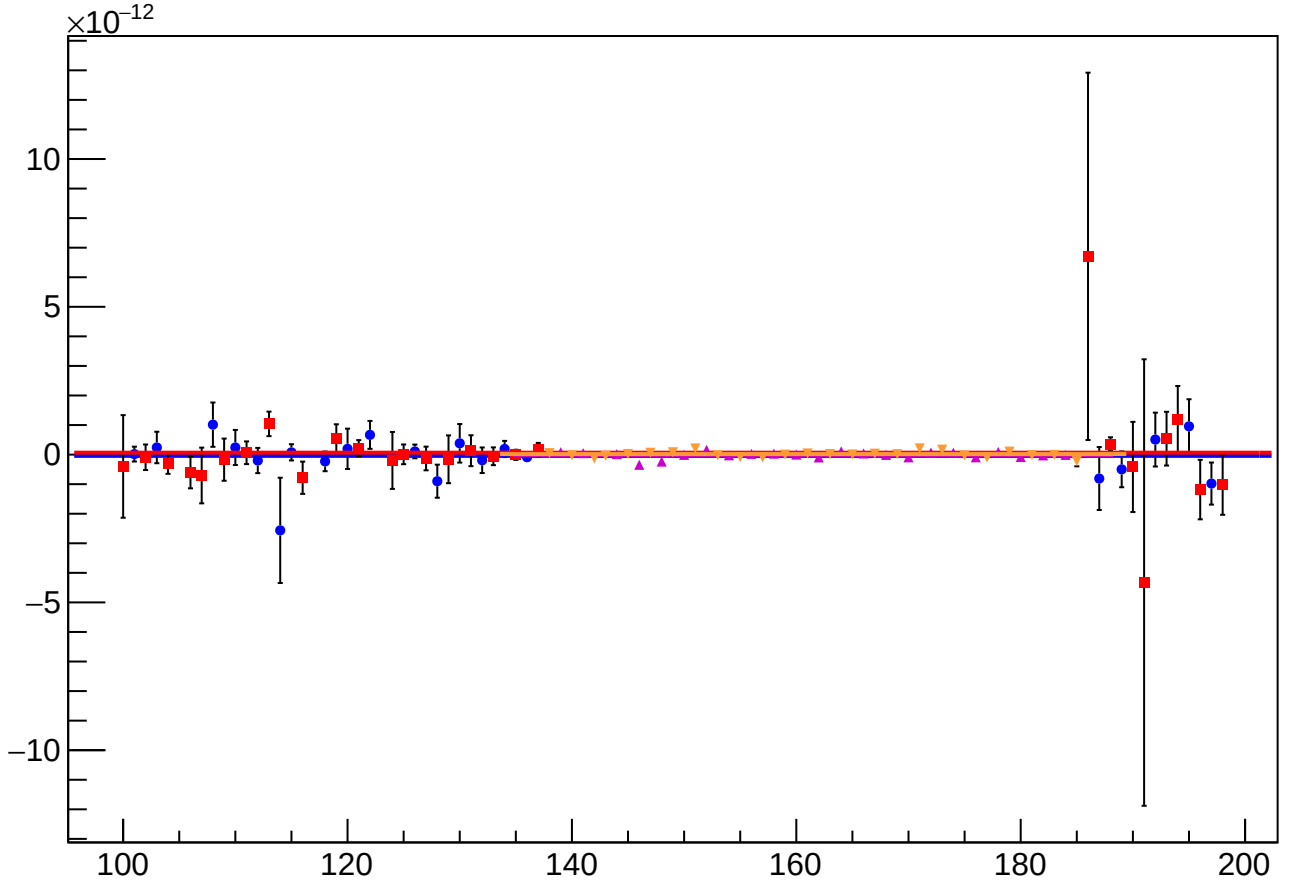
Right Out: 4317.777+/-0.902 χ^2/NDF: 2581483.6/26

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2213.229+/-0.305 χ^2/NDF: 6888676.6/45

All: 2252.002+/-0.219 χ^2/NDF: 15830381.8/9

- sign 2293.378+/-0.315 χ^2/NDF: 8908208.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

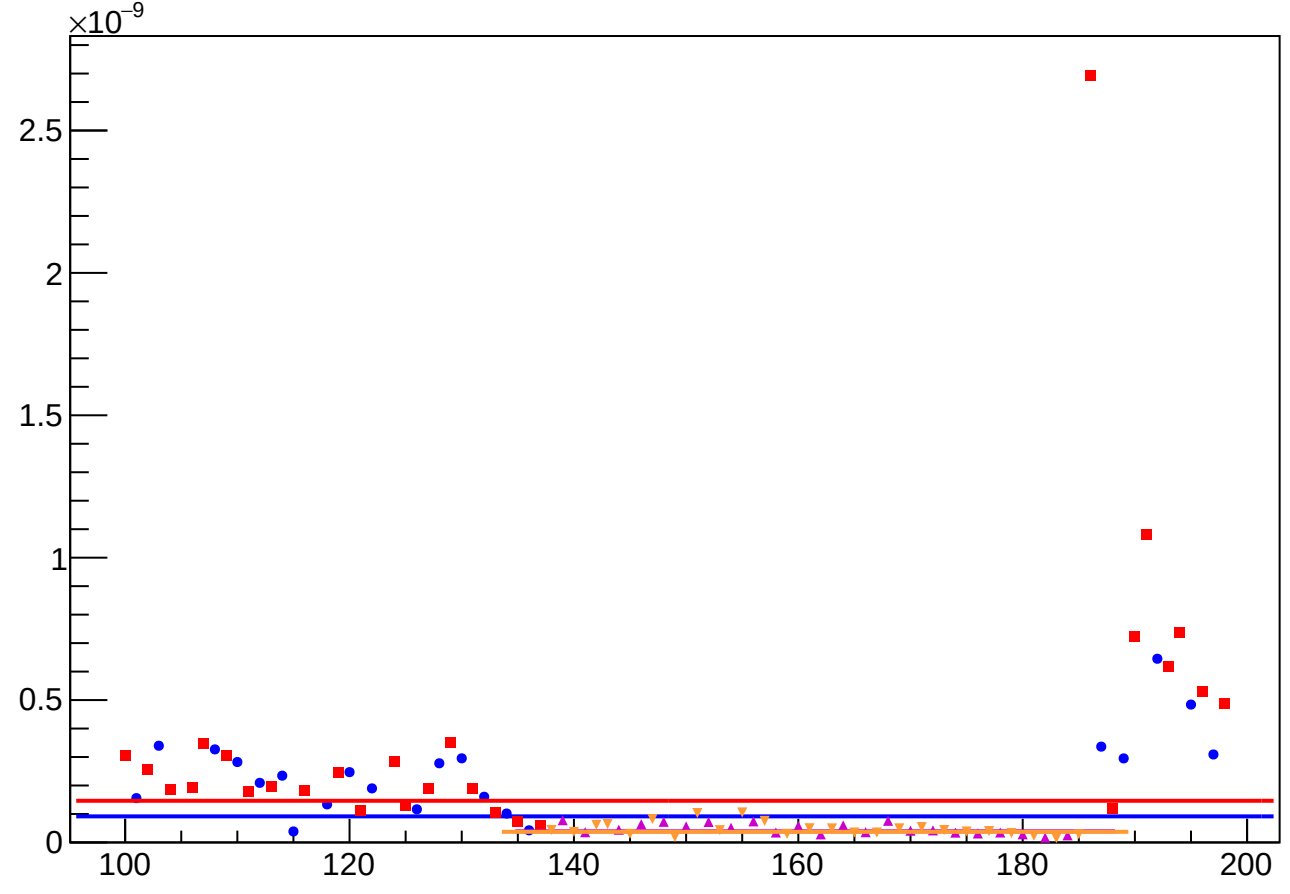
Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/26

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.5/45

All: 0.000+/-0.000 χ^2/NDF: 92.1/95

- sign -0.000+/-0.000 χ^2/NDF: 52.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 4365271.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3705414.4/26

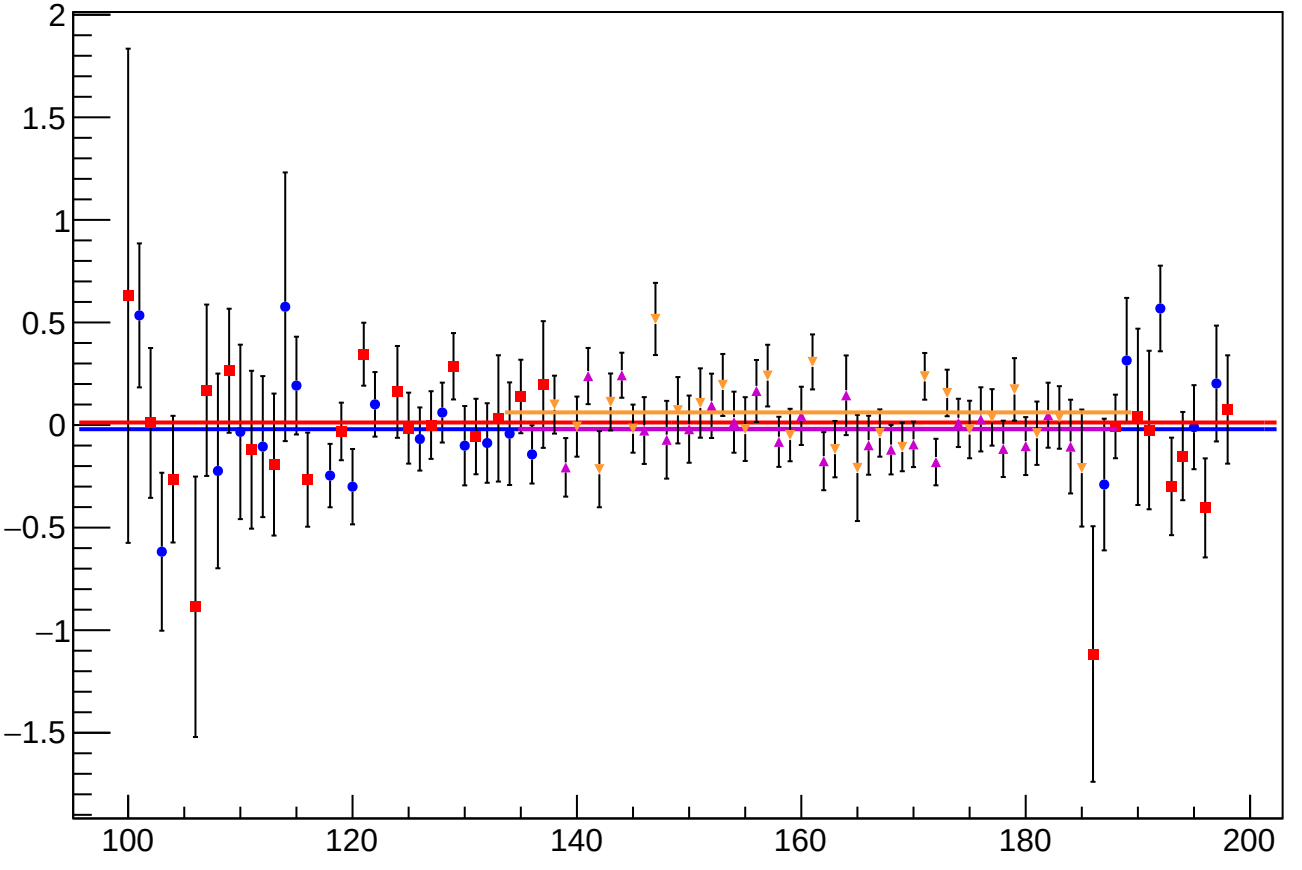
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8239609.8/45

All: 0.000+/-0.000 χ^2/NDF: 17467350.5/95

- sign 0.000+/-0.000 χ^2/NDF: 9191185.6/49

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.012+/-0.045 χ^2/NDF: 23.6/26

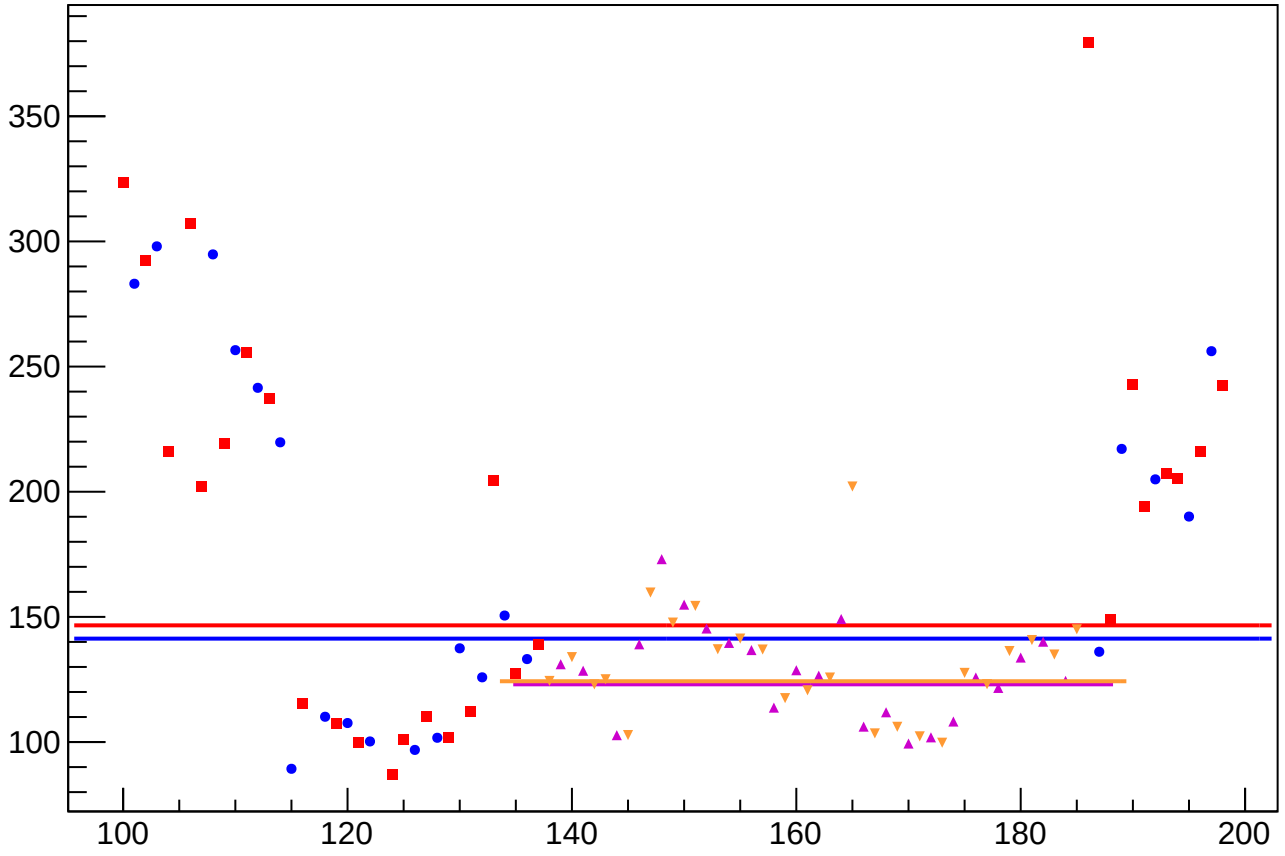
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.4/45

All: 0.015+/-0.017 χ^2/NDF: 99.7/95

- sign -0.009+/-0.025 χ^2/NDF: 44.3/49

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 141.317+/-0.033 χ^2/NDF: 2684135.5/20

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 146.617+/-0.032 χ^2/NDF: 3231389.8/26

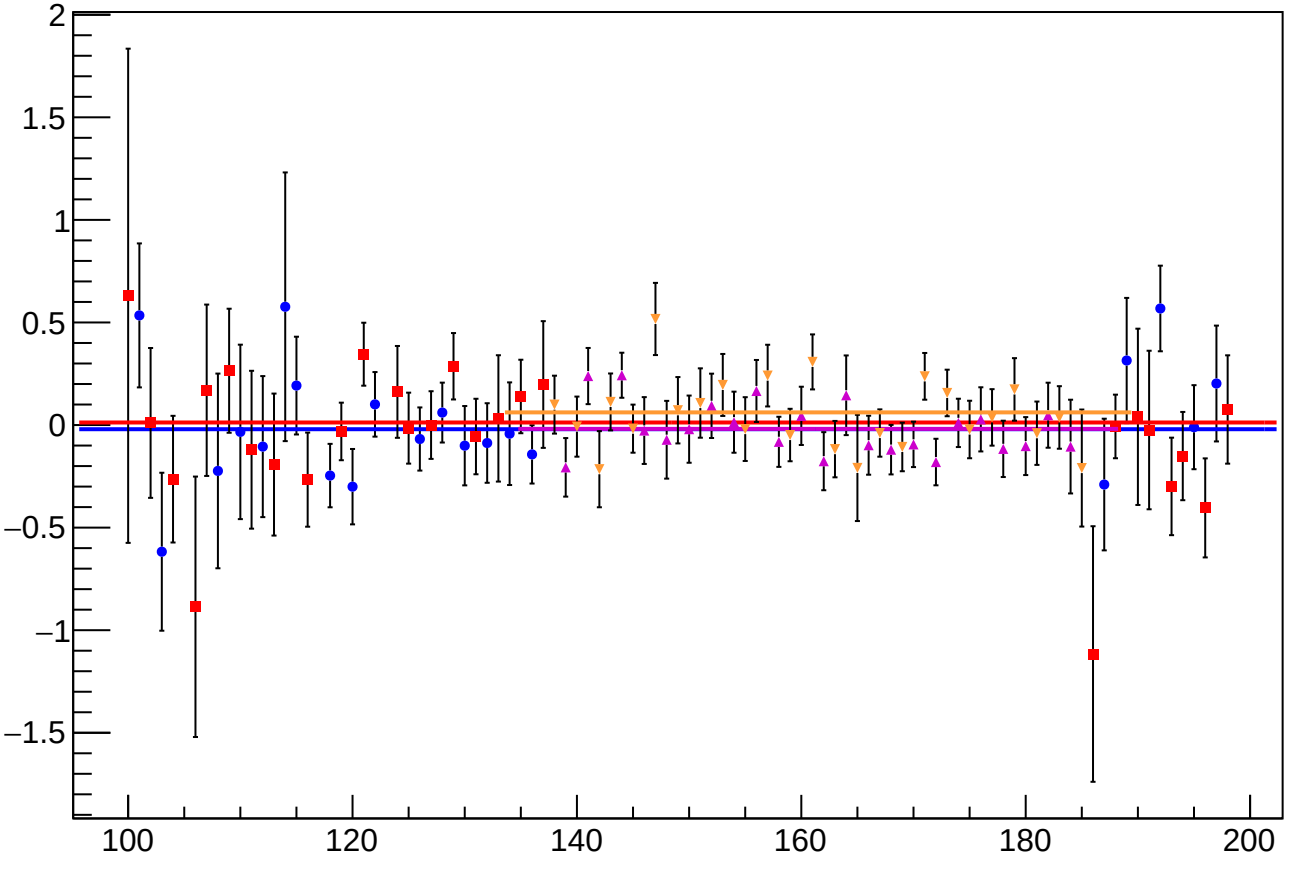
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 128.913+/-0.017 χ^2/NDF: 3716422.3/45

All: 129.541+/-0.012 χ^2/NDF: 8058554.9/95

- sign 130.170+/-0.017 χ^2/NDF: 4339498.6/49

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.012+/-0.045 χ^2/NDF: 23.6/26

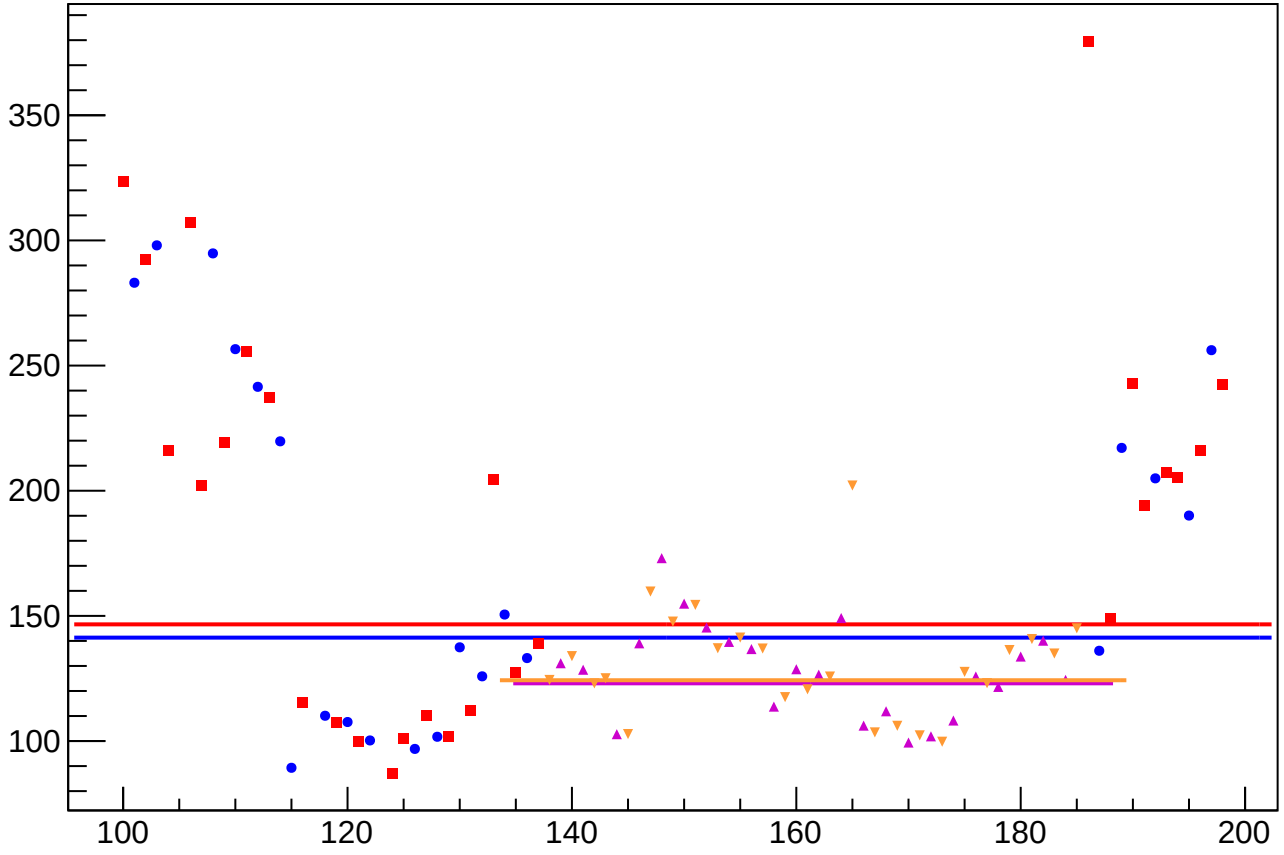
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.4/45

All: 0.015+/-0.017 χ^2/NDF: 99.7/95

- sign -0.009+/-0.025 χ^2/NDF: 44.3/49

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.317+/-0.033 χ^2/NDF: 2684135.5/20

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 146.617+/-0.032 χ^2/NDF: 3231389.8/26

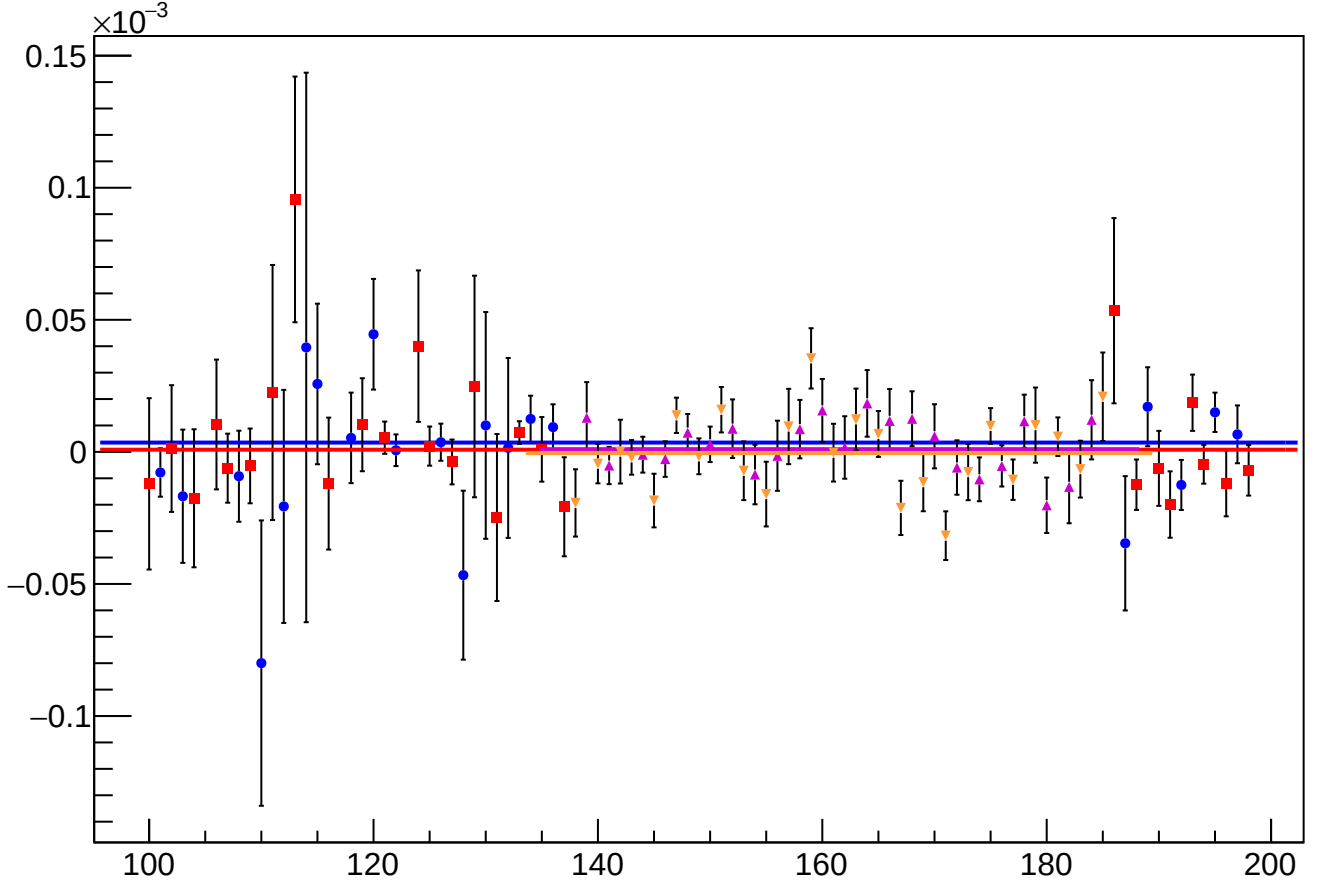
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 128.913+/-0.017 χ^2/NDF: 3716422.3/45

All: 129.541+/-0.012 χ^2/NDF: 8058554.9/95

- sign 130.170+/-0.017 χ^2/NDF: 4339498.6/49

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

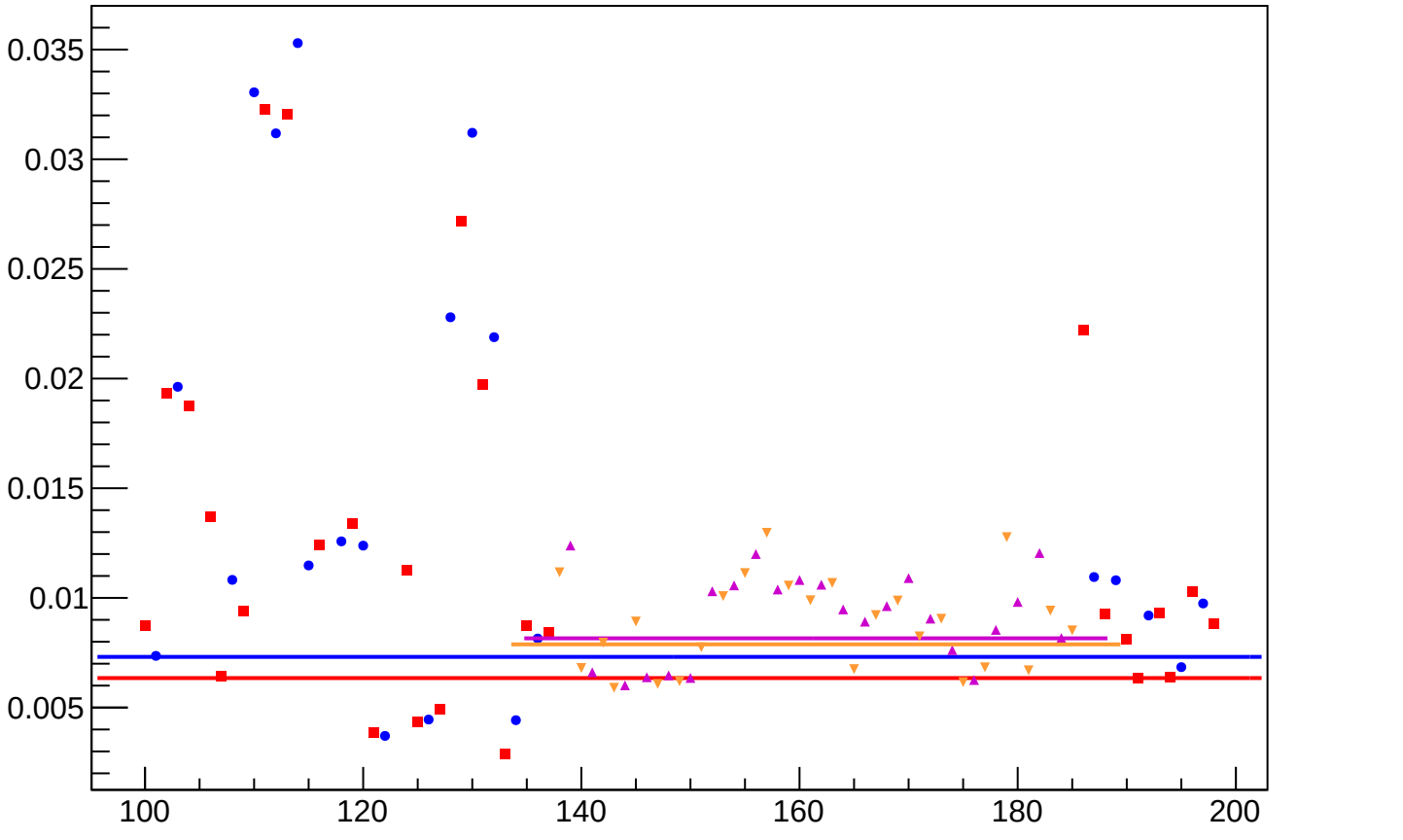
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/26

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.5/45

All: 0.000+/-0.000 χ^2/NDF: 122.3/95

- sign 0.000+/-0.000 χ^2/NDF: 45.7/49



Right In: 0.007+/-0.000 χ^2/NDF: 5166774.5/20

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

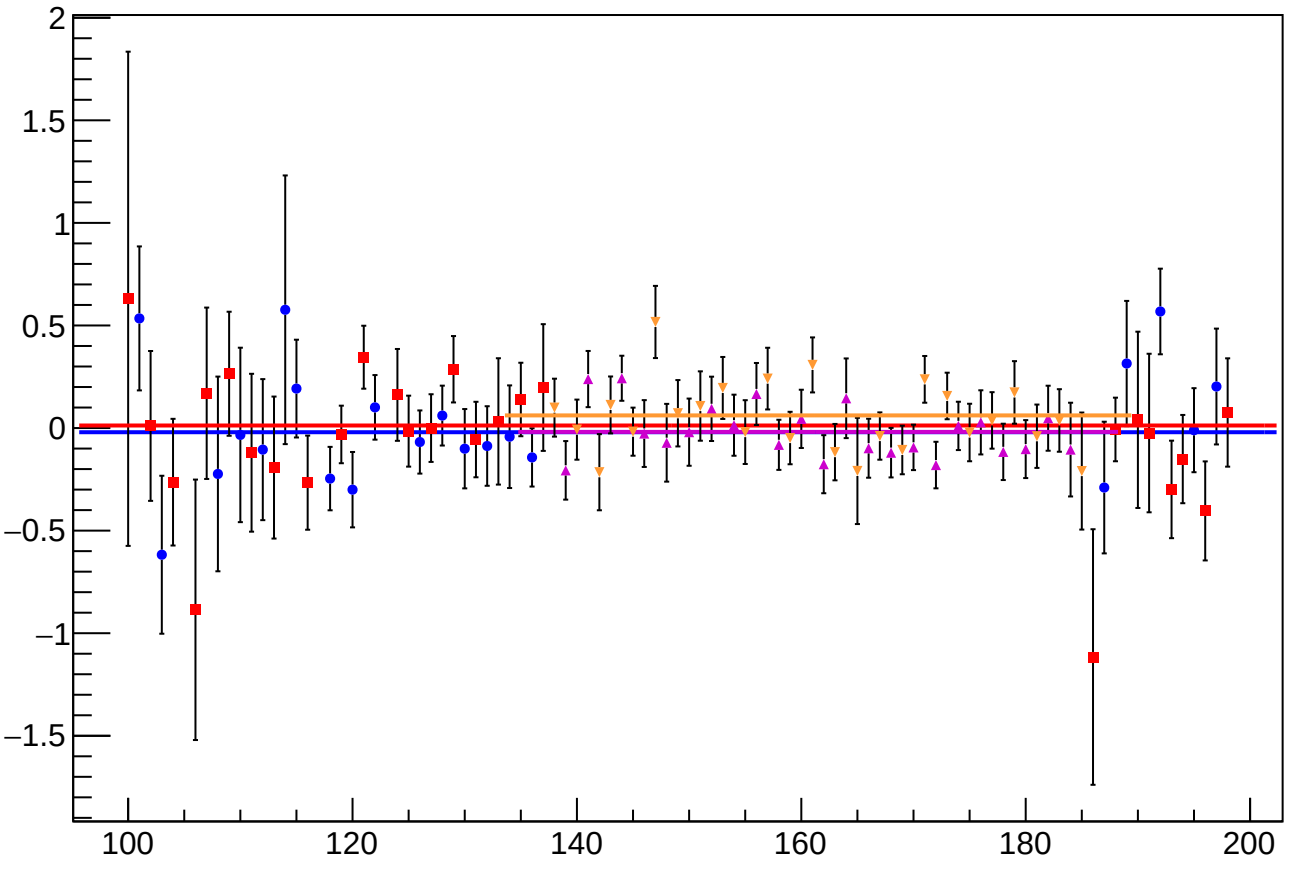
Right Out: 0.006+/-0.000 χ^2/NDF: 6935652.3/26

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7306169.2/45

All: 0.007+/-0.000 χ^2/NDF: 17087618.6/95

- sign 0.007+/-0.000 χ^2/NDF: 9720097.8/49



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.012+/-0.045 χ^2/NDF: 23.6/26

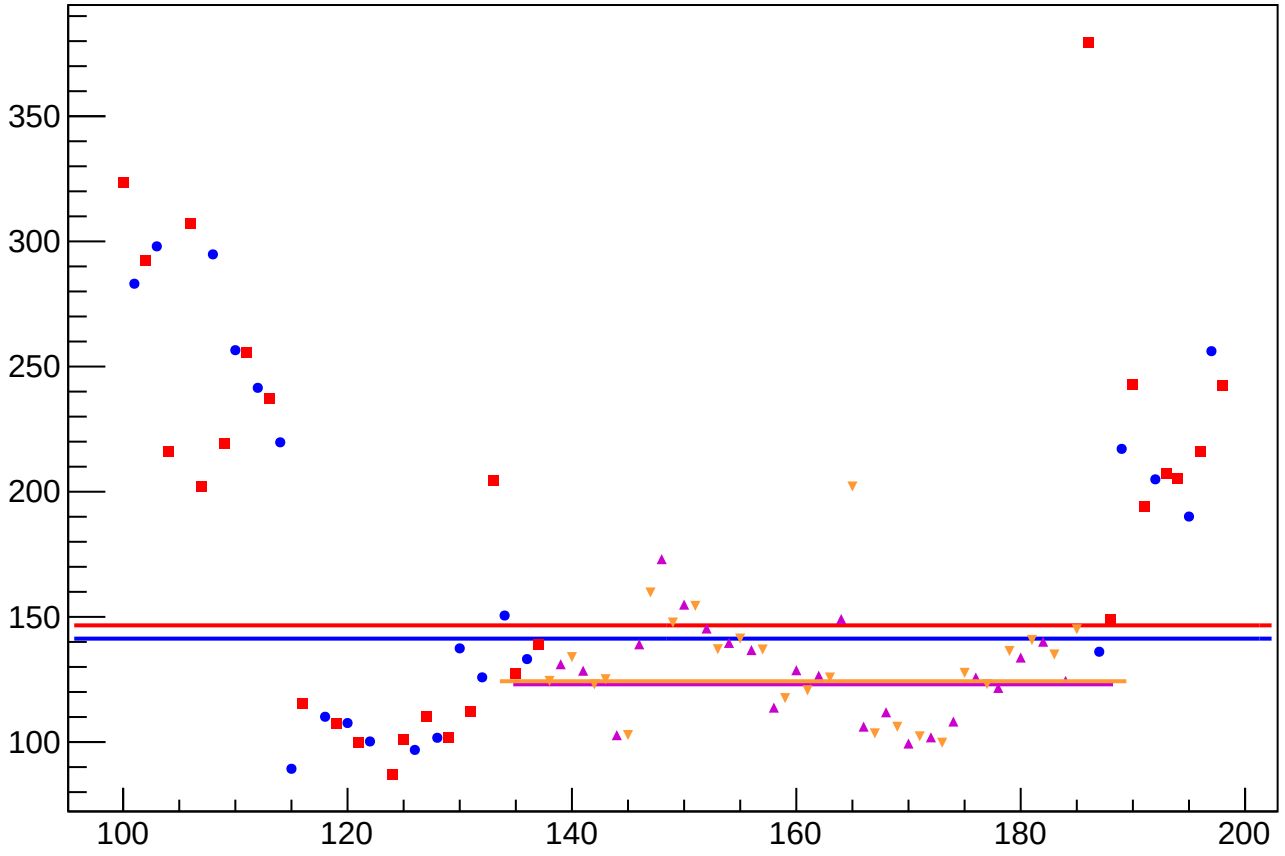
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.4/45

All: 0.015+/-0.017 χ^2/NDF: 99.7/95

- sign -0.009+/-0.025 χ^2/NDF: 44.3/49

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 141.315+/-0.033 χ^2/NDF: 2684152.8/20

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

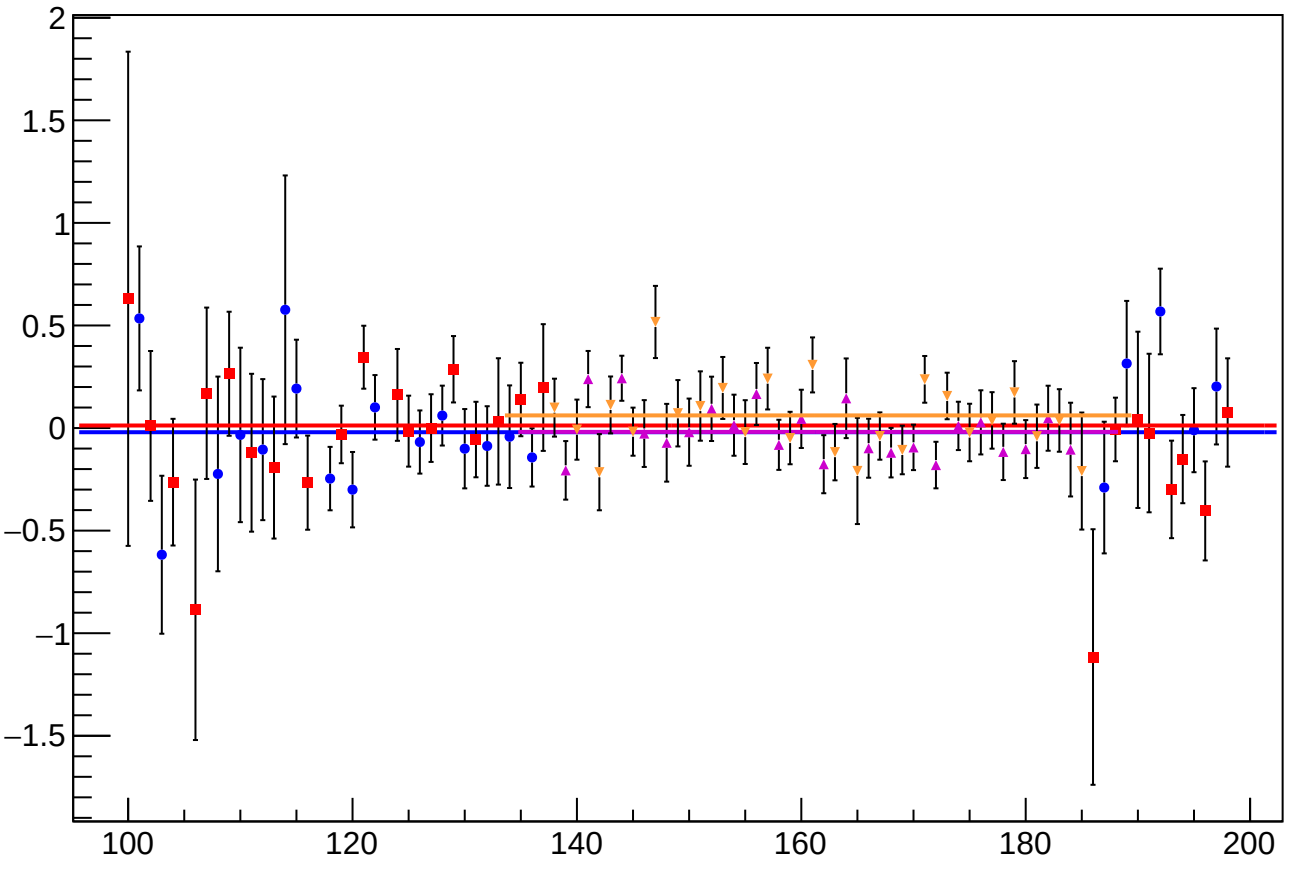
Right Out: 146.615+/-0.032 χ^2/NDF: 3231465.0/26

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 128.913+/-0.017 χ^2/NDF: 3716435.0/45

All: 129.540+/-0.012 χ^2/NDF: 8058590.0/95

- sign 130.170+/-0.017 χ^2/NDF: 4339521.4/49



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.012+/-0.045 χ^2/NDF: 23.6/26

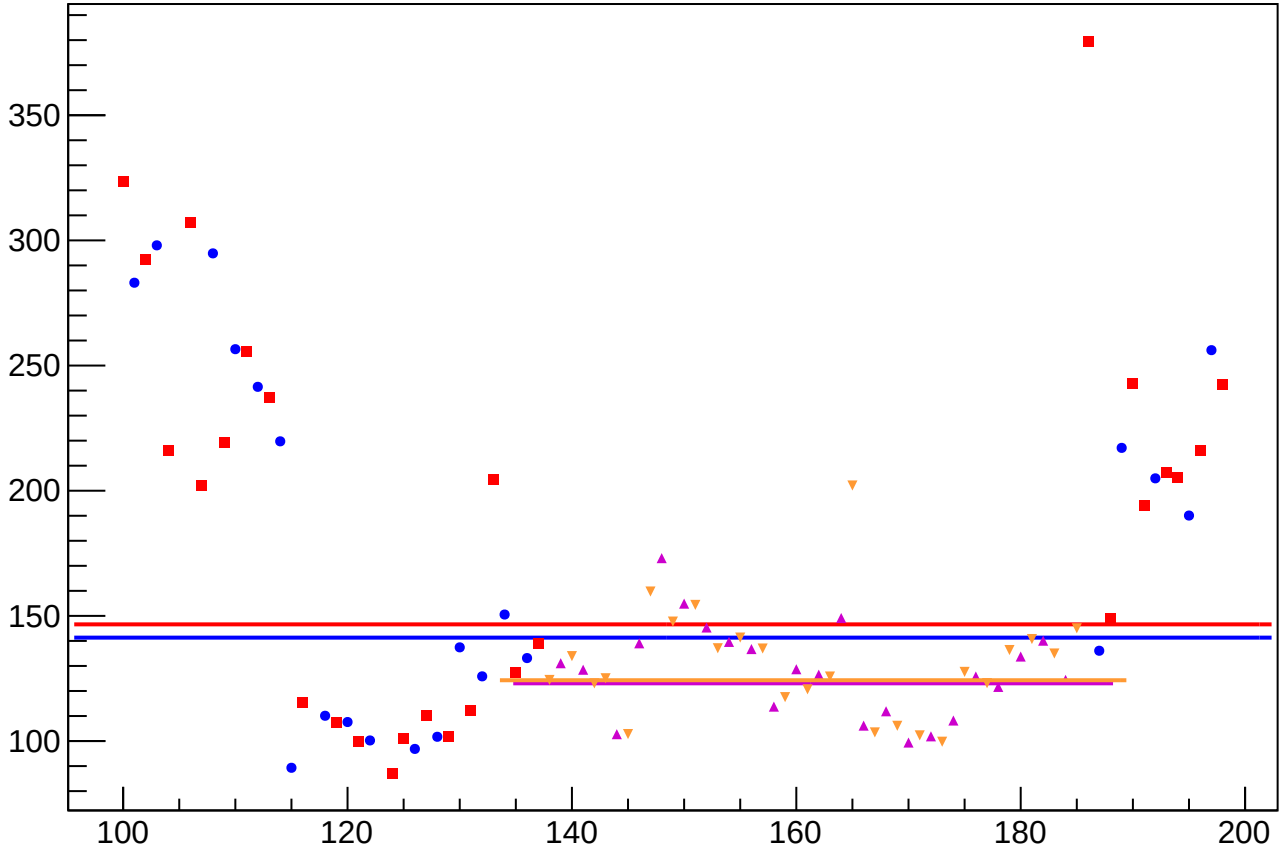
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.4/45

All: 0.015+/-0.017 χ^2/NDF: 99.7/95

- sign -0.009+/-0.025 χ^2/NDF: 44.3/49

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.315+/-0.033 χ^2/NDF: 2684152.8/20

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 146.615+/-0.032 χ^2/NDF: 3231465.0/26

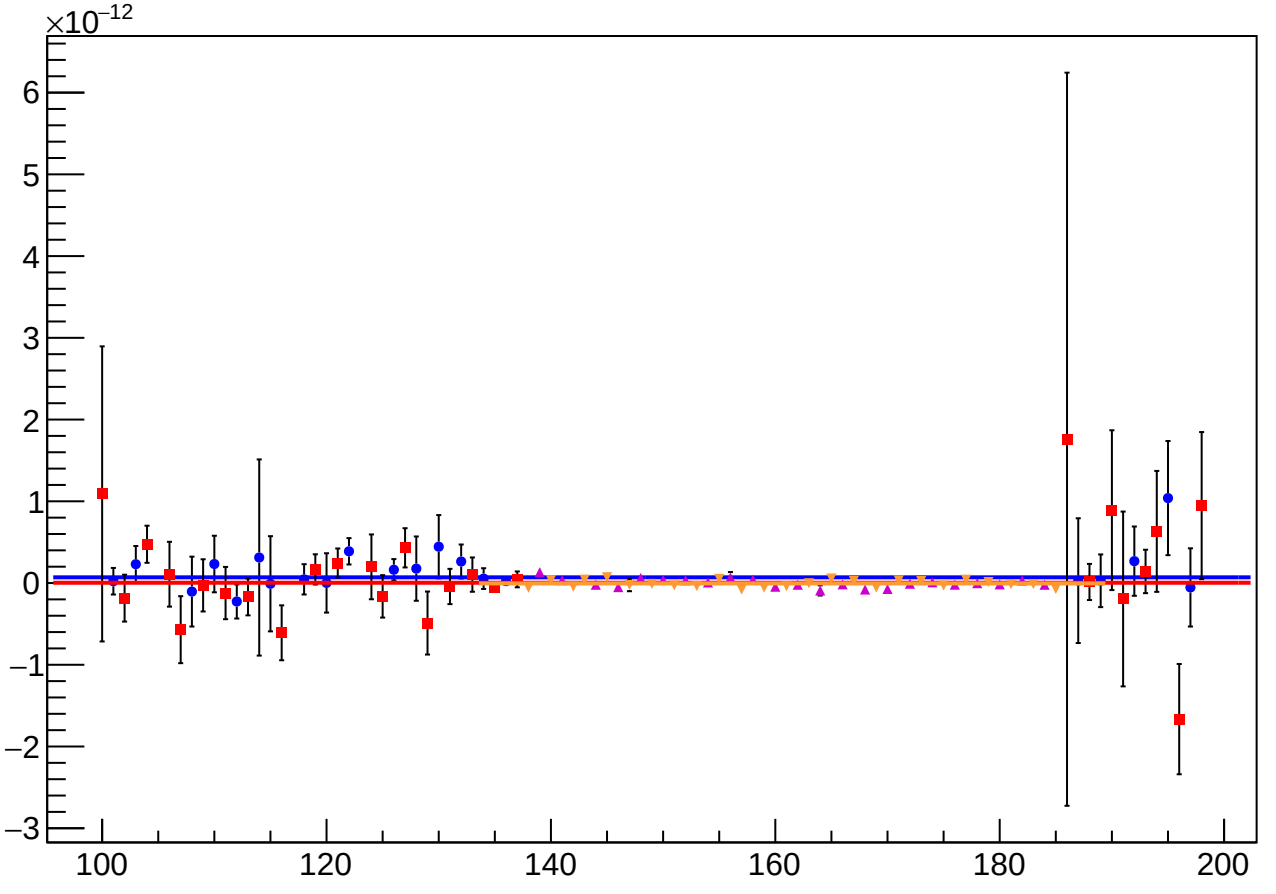
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 128.913+/-0.017 χ^2/NDF: 3716435.0/45

All: 129.540+/-0.012 χ^2/NDF: 8058590.0/95

- sign 130.170+/-0.017 χ^2/NDF: 4339521.4/49

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

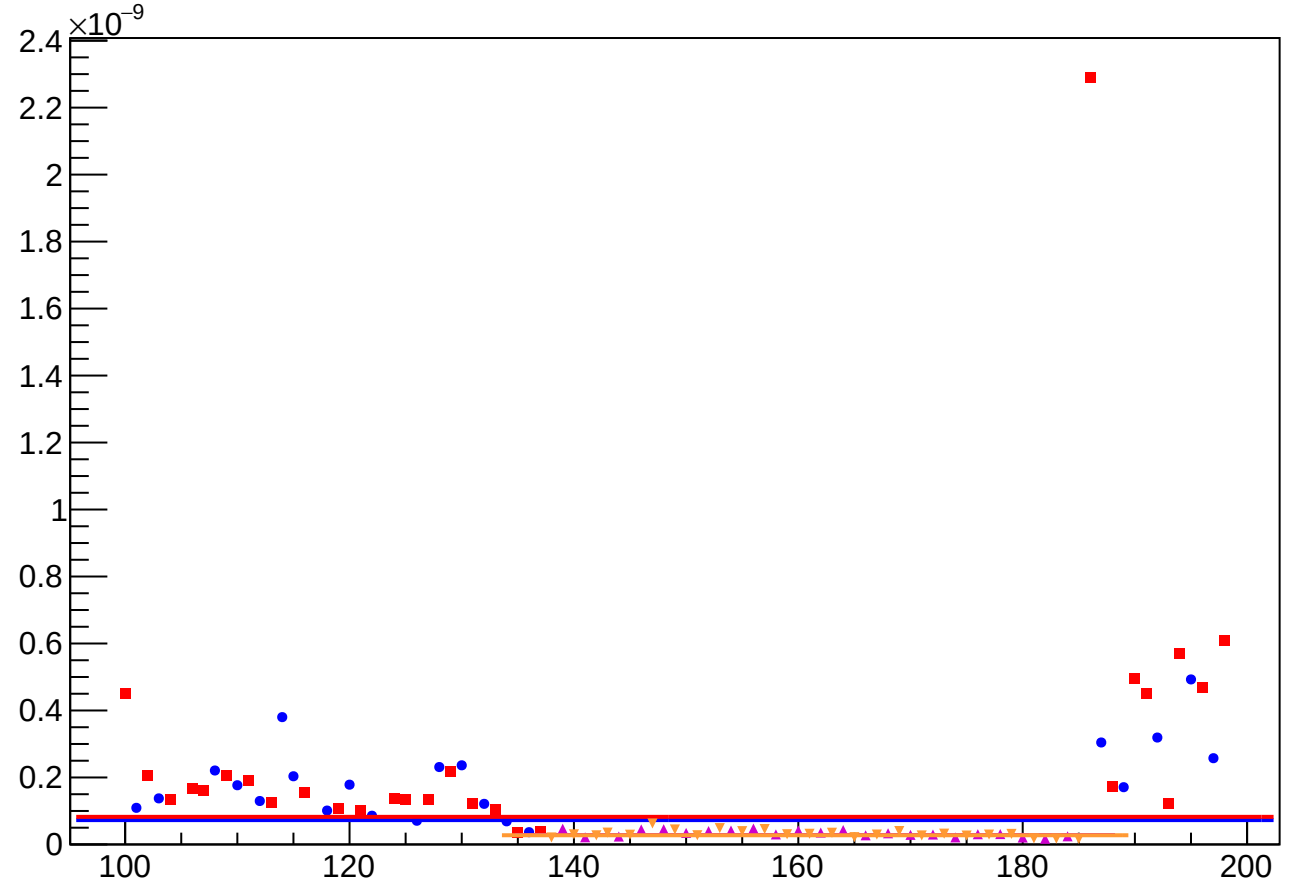
Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/26

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/45

All: -0.000+/-0.000 χ^2/NDF: 95.8/95

- sign 0.000+/-0.000 χ^2/NDF: 54.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 5300164.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7417665.3/26

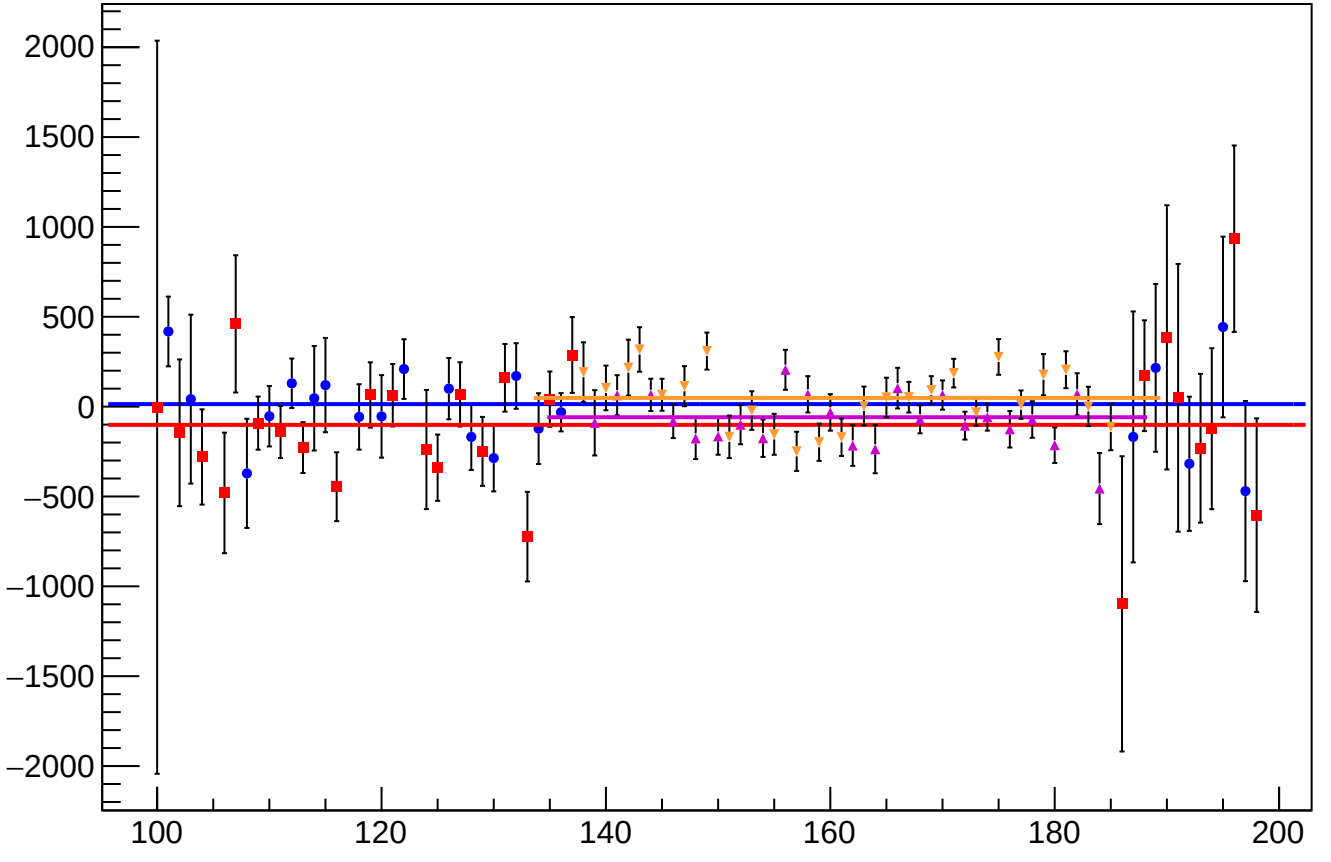
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10778586.0/45

All: 0.000+/-0.000 χ^2/NDF: 24252926.3/95

- sign 0.000+/-0.000 χ^2/NDF: 13456856.5/49

reg_asym_sam3_mean vs Slug



Right In: 13.904+/-44.700 χ^2/NDF: 16.6/20

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -101.402+/-44.287 χ^2/NDF: 33.2/26

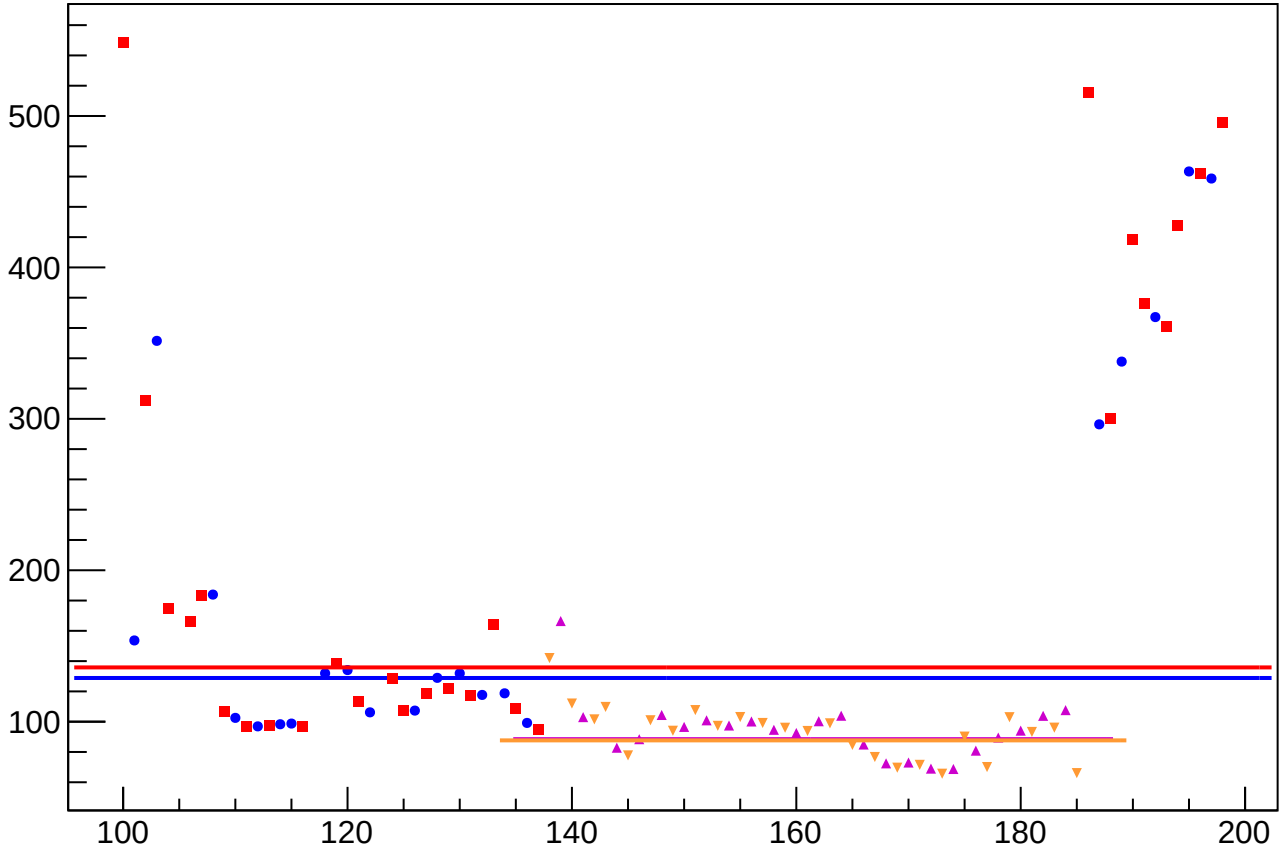
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 42.436+/-18.576 χ^2/NDF: 70.6/45

All: -10.735+/-13.313 χ^2/NDF: 152.0/95

- sign -66.889+/-19.090 χ^2/NDF: 64.6/49

reg_asym_sam3_rms vs Slug



Right In: 128.862+/-0.032 χ^2/NDF: 4074063.3/20

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 135.842+/-0.031 χ^2/NDF: 5915435.1/26

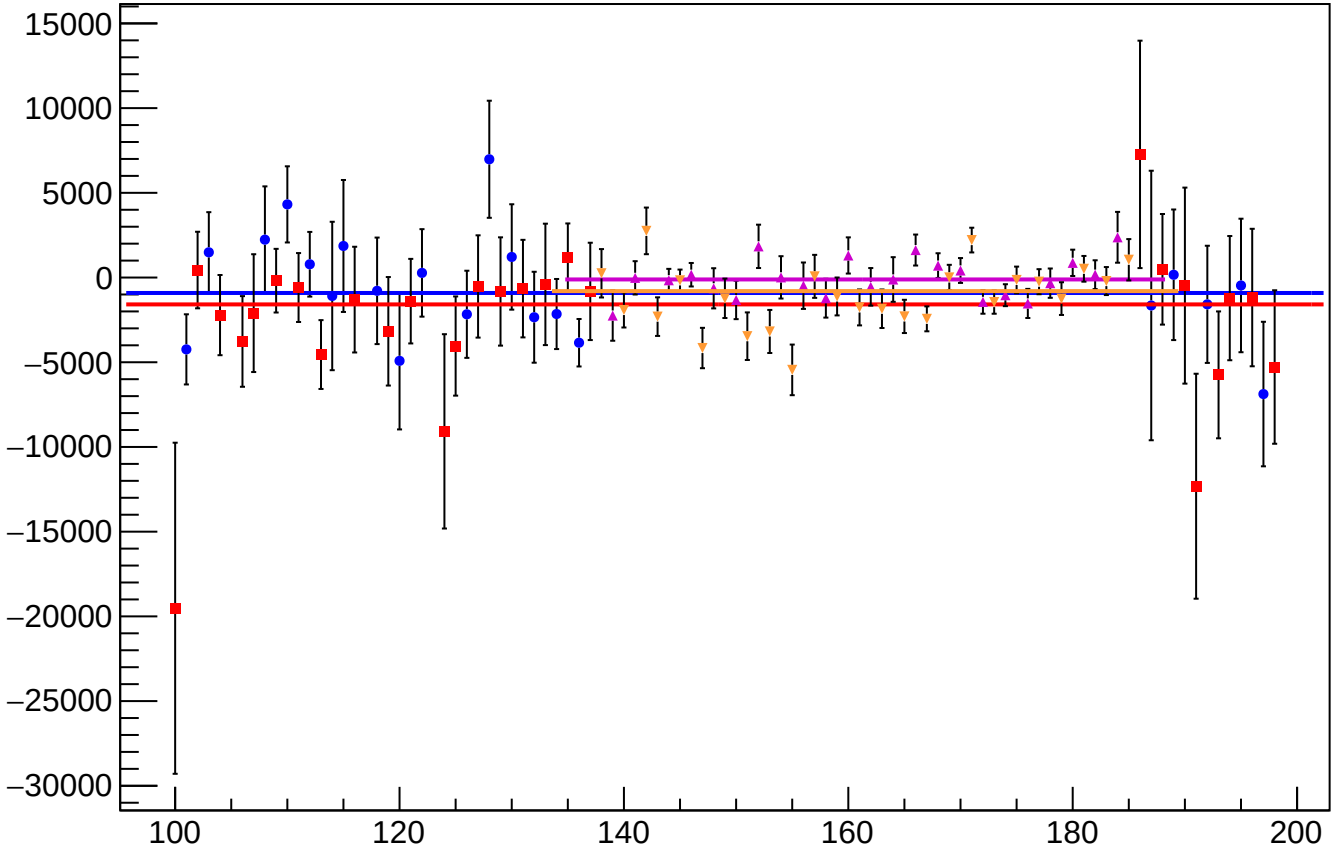
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 94.772+/-0.013 χ^2/NDF: 6693395.2/45

All: 95.993+/-0.009 χ^2/NDF: 15564442.9/95

- sign 97.282+/-0.013 χ^2/NDF: 8853291.7/49

asym_sam3_reg_correction_mean vs Slug



Right In: -911.003+/-585.065 χ^2/NDF: 25.6/20

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1585.585+/-569.417 χ^2/NDF: 19.6/26

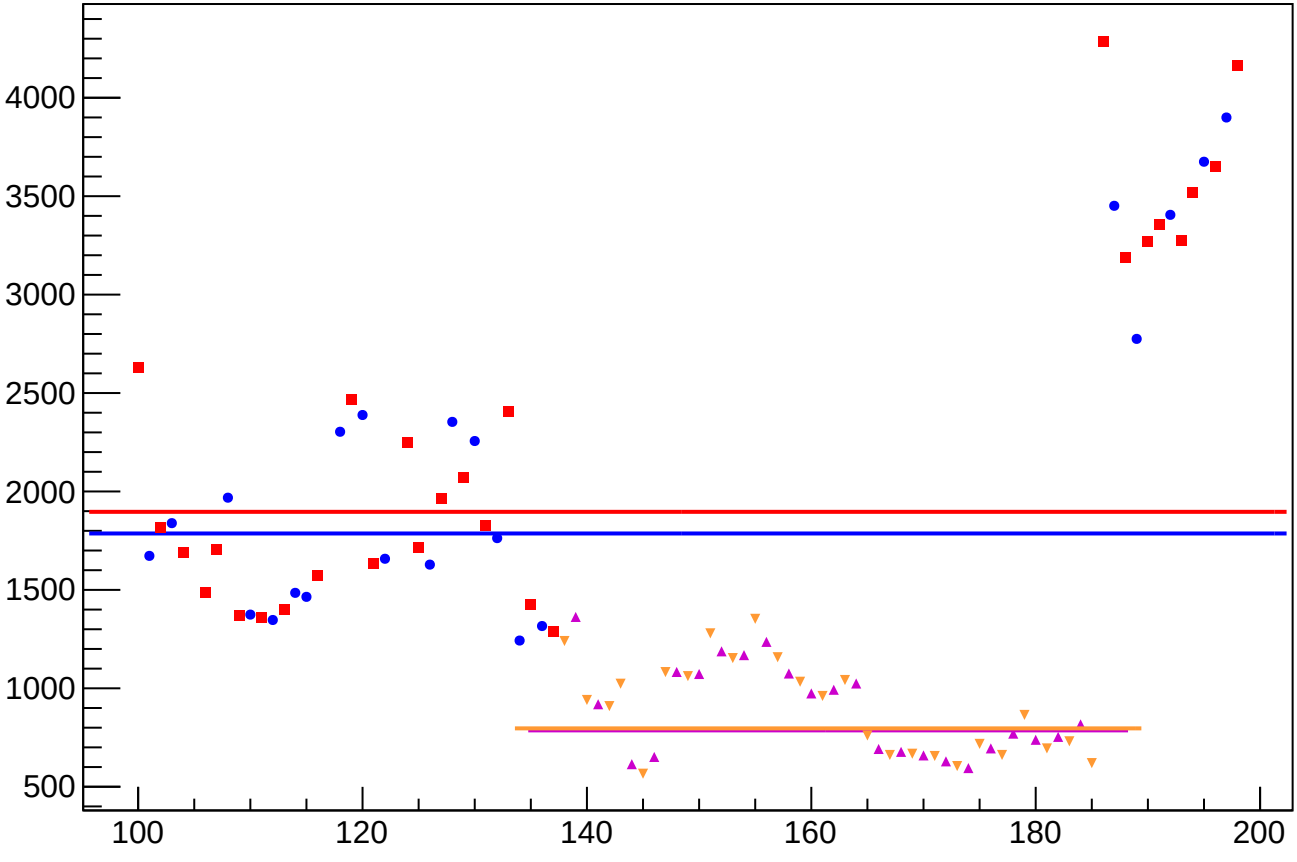
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -811.730+/-178.775 χ^2/NDF: 97.5/45

All: -538.673+/-127.005 χ^2/NDF: 154.9/95

- sign -260.442+/-180.461 χ^2/NDF: 52.7/49

asym_sam3_reg_correction_rms vs Slug



Right In: 1786.608+/-0.414 χ^2/NDF: 2391470.3/20

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1896.537+/-0.403 χ^2/NDF: 3185735.8/26

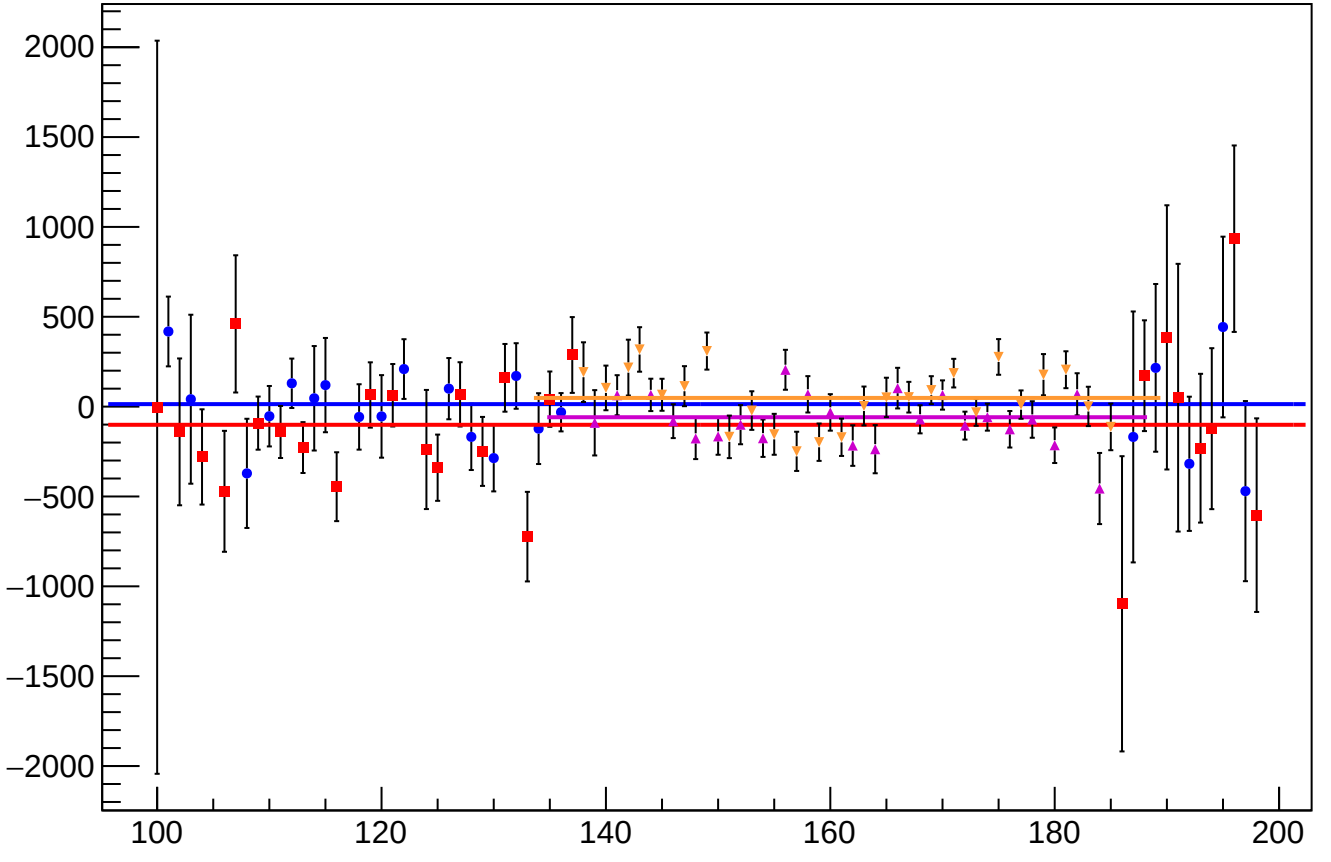
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 888.967+/-0.126 χ^2/NDF: 10002075.6/45

All: 893.364+/-0.090 χ^2/NDF: 22186000.1/95

- sign 897.845+/-0.128 χ^2/NDF: 12181481.9/49

cor_asym_sam3_mean vs Slug



Right In: 13.891+/-44.700 χ^2/NDF: 16.6/20

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -101.133+/-44.290 χ^2/NDF: 33.1/26

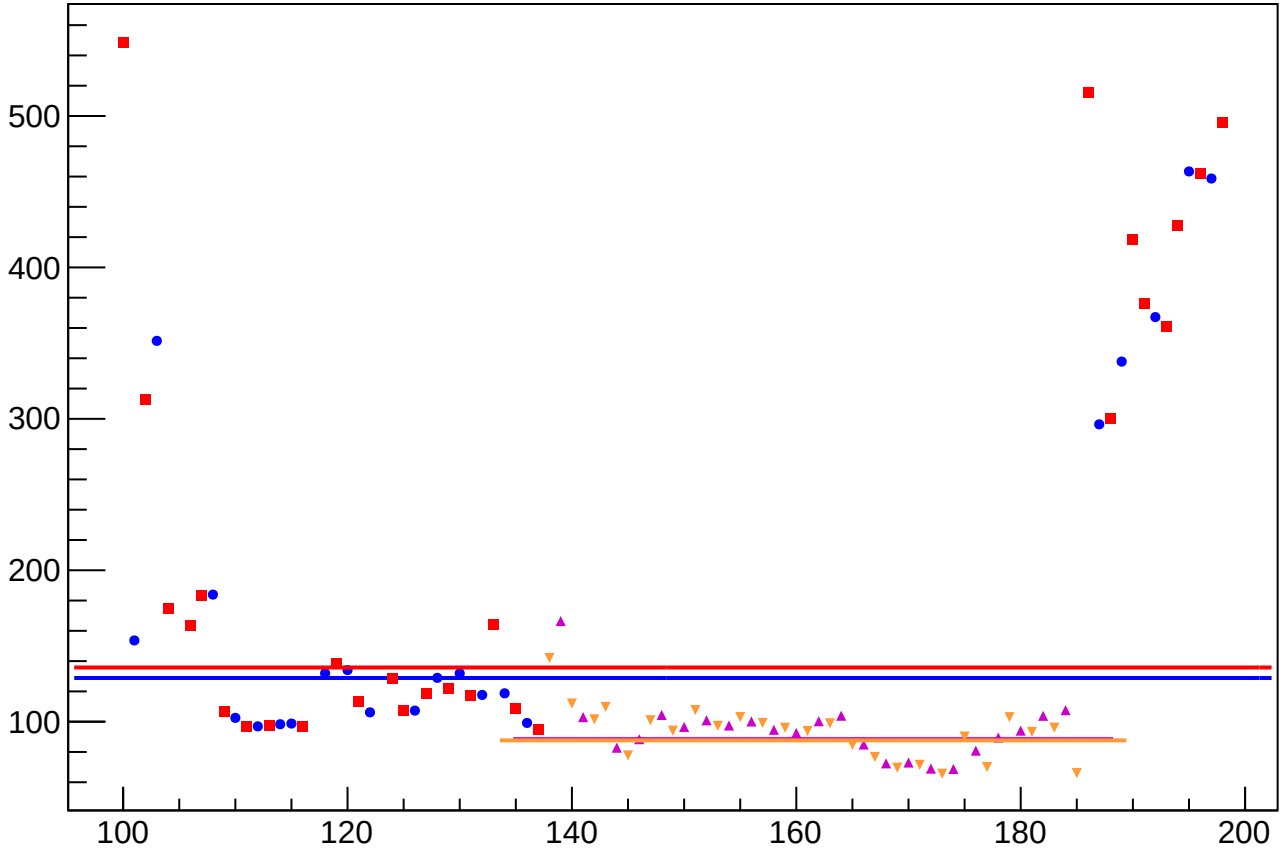
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.440+/-18.576 χ^2/NDF: 70.6/45

All: -10.709+/-13.313 χ^2/NDF: 151.9/95

- sign -66.841+/-19.090 χ^2/NDF: 64.5/49

cor_asym_sam3_rms vs Slug



Right In: 128.862+/-0.032 χ^2/NDF: 4074065.6/20

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 135.796+/-0.031 χ^2/NDF: 5912956.1/26

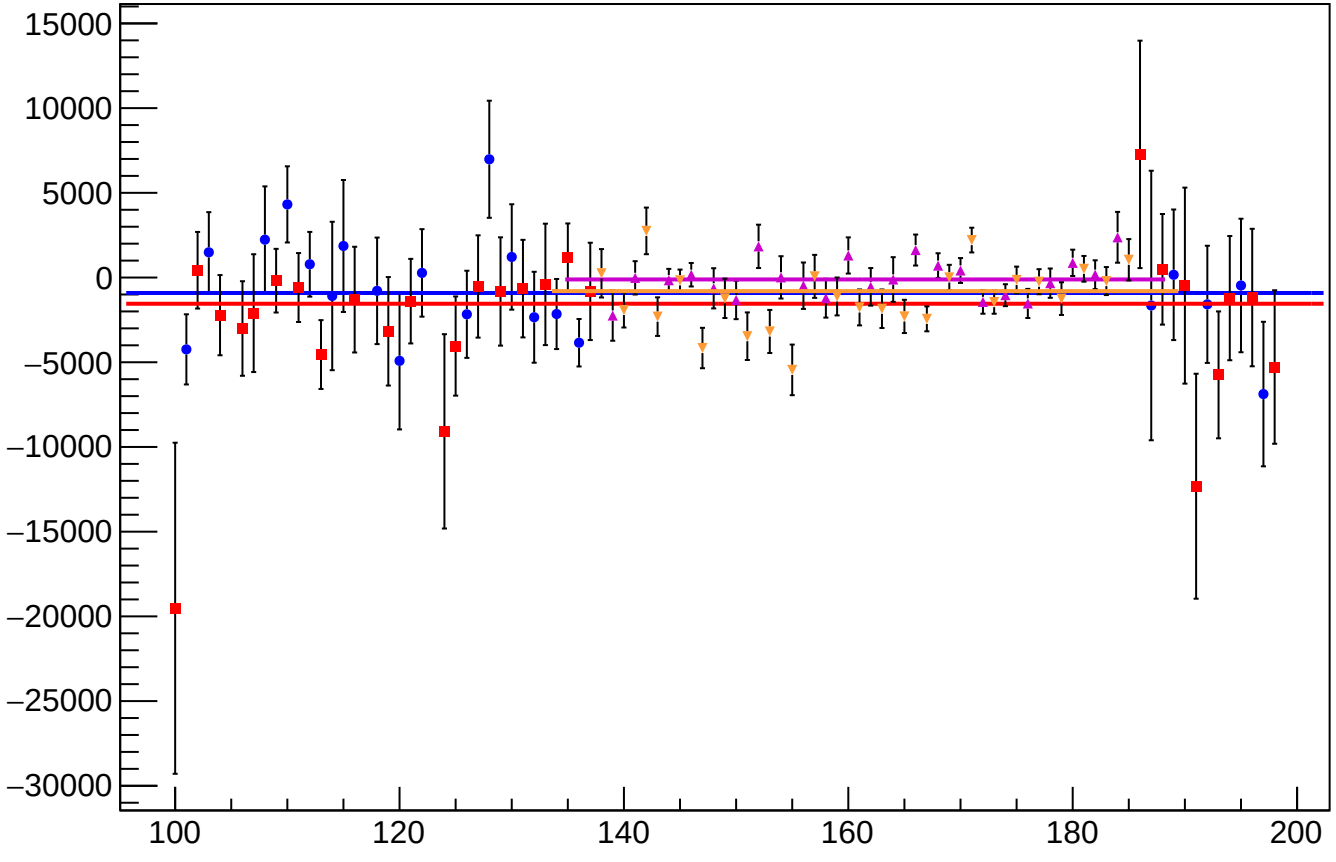
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

\+ sign 94.772+/-0.013 χ^2/NDF: 6693396.7/45

All: 95.988+/-0.009 χ^2/NDF: 15558015.4/95

\- sign 97.272+/-0.013 χ^2/NDF: 8846996.5/49

asym_sam3_cor_correction_mean vs Slug



Right In: -910.992+/-585.069 χ^2/NDF: 25.6/20

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1546.737+/-570.494 χ^2/NDF: 19.2/26

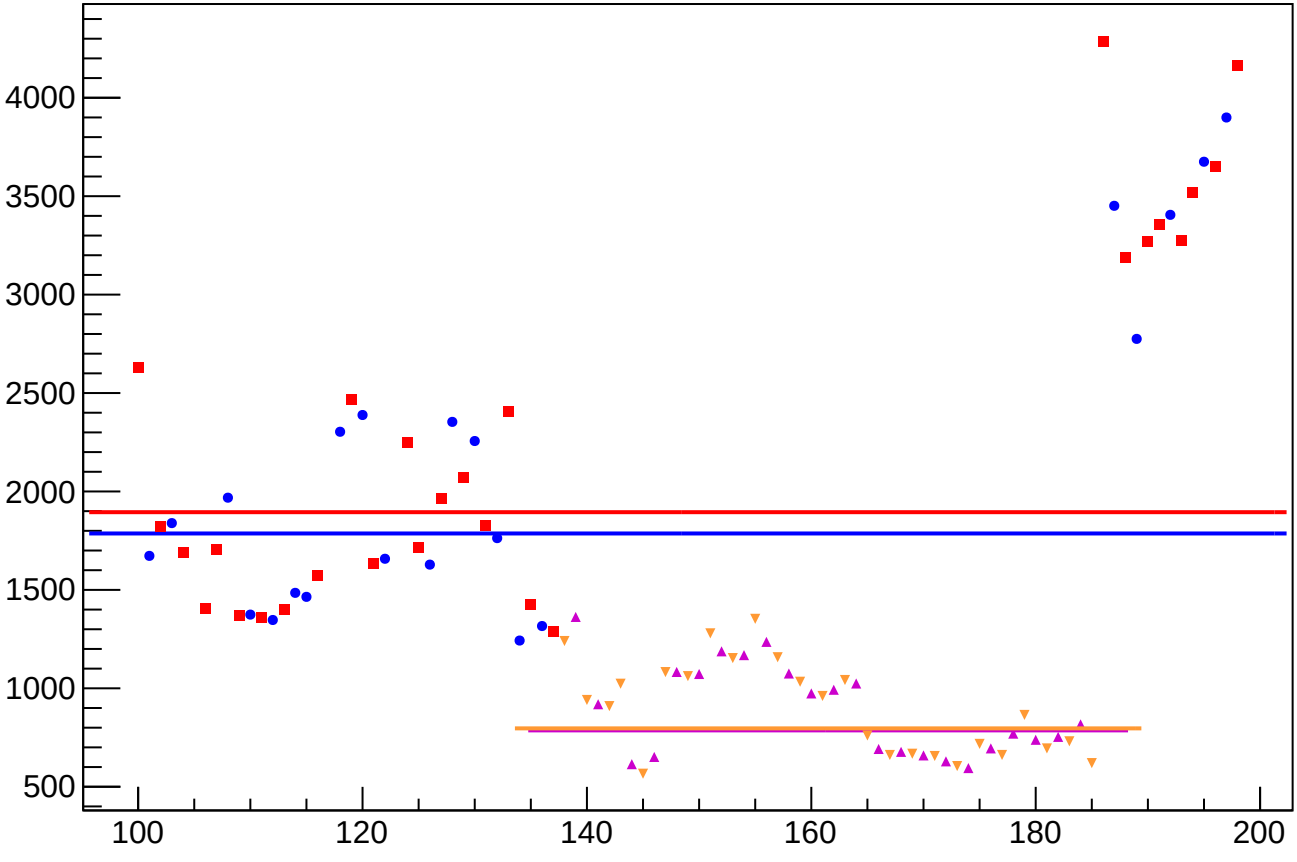
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

\+ sign -811.722+/-178.775 χ^2/NDF: 97.5/45

All: -536.548+/-127.017 χ^2/NDF: 154.2/95

\- sign -256.052+/-180.496 χ^2/NDF: 52.0/49

asym_sam3_cor_correction_rms vs Slug



Right In: 1786.619+/-0.414 χ^2/NDF: 2391479.1/20

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1894.757+/-0.403 χ^2/NDF: 3200566.1/26

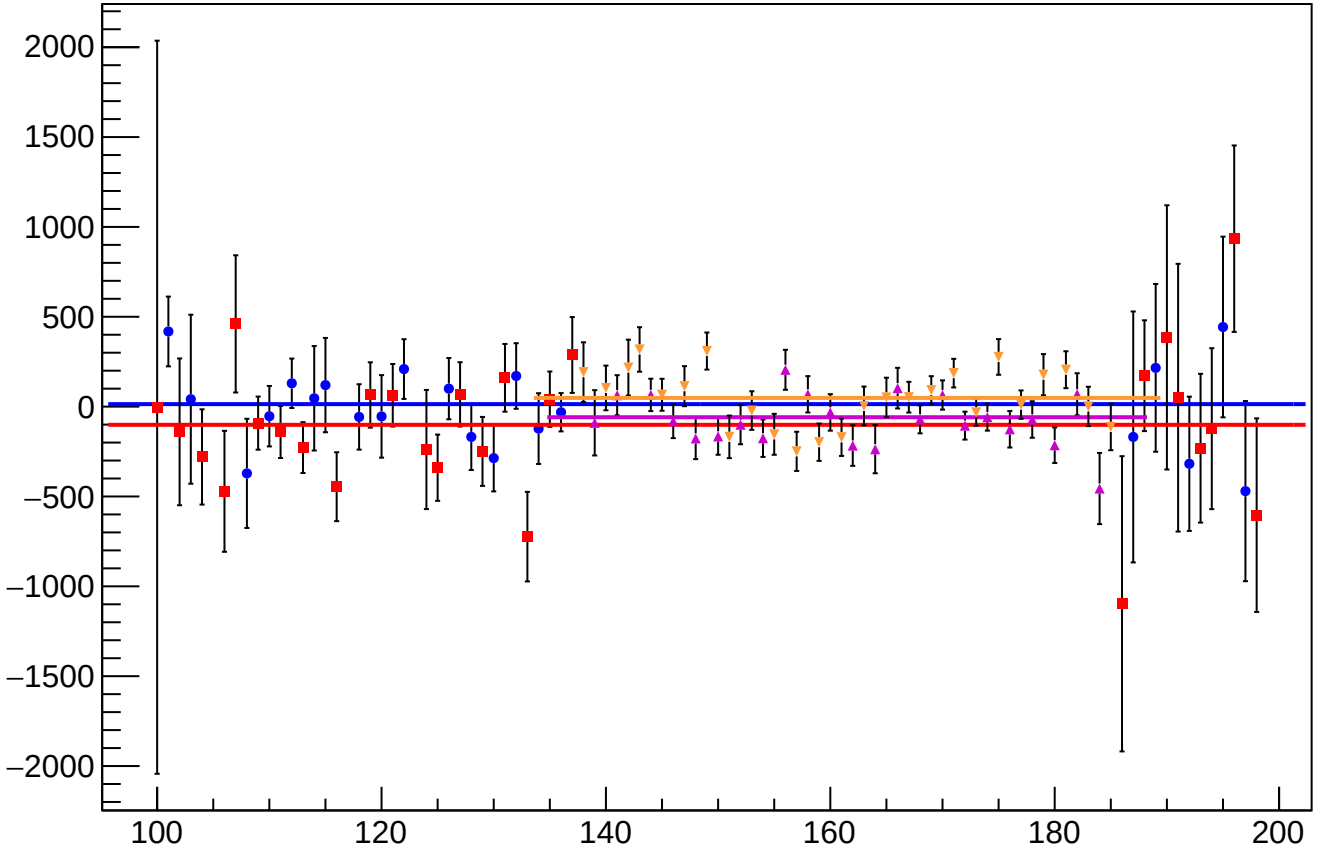
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 888.967+/-0.126 χ^2/NDF: 10002133.7/45

All: 893.088+/-0.090 χ^2/NDF: 22155523.3/95

- sign 897.288+/-0.128 χ^2/NDF: 12151244.1/49

eigen_cor_asym_sam3_mean vs Slug



Right In: 13.891+/-44.700 χ^2/NDF: 16.6/20

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -101.133+/-44.290 χ^2/NDF: 33.1/26

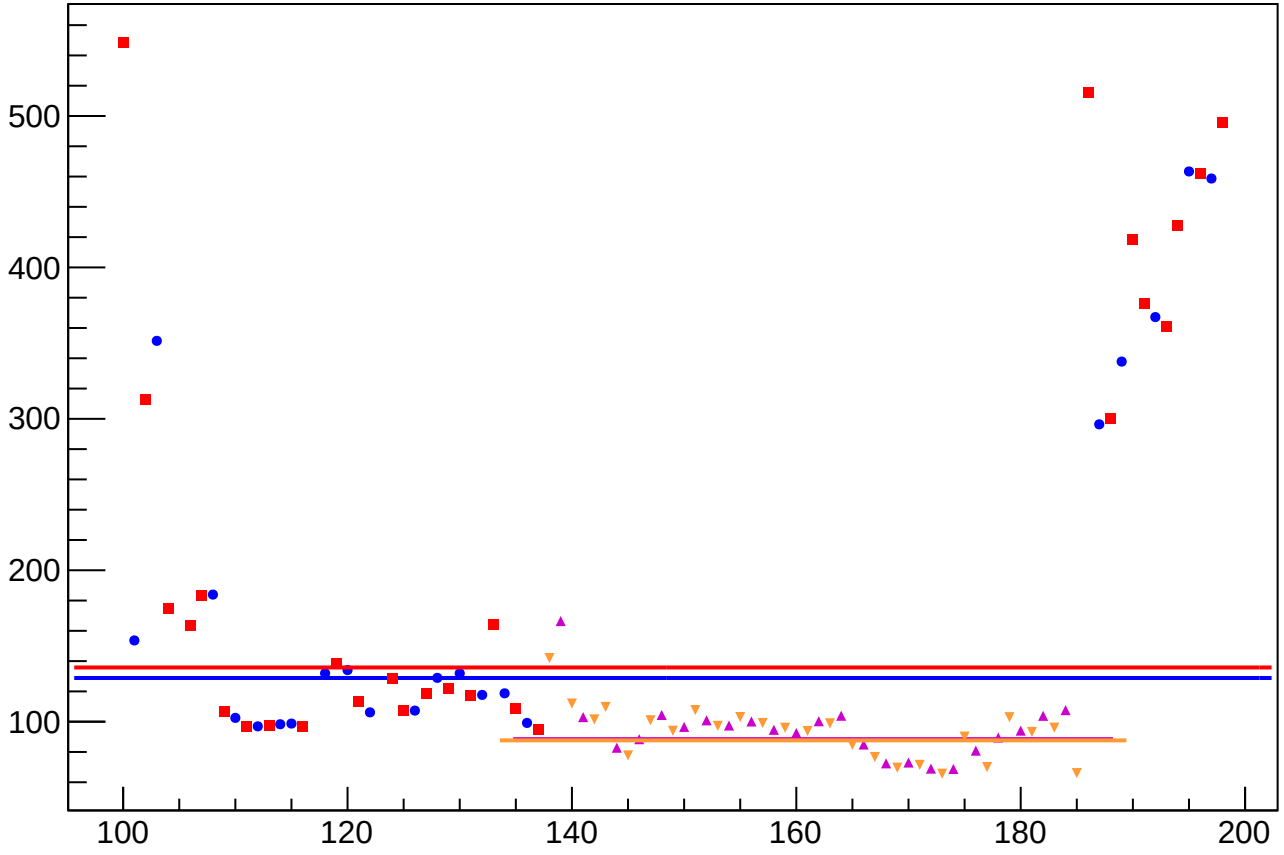
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.440+/-18.576 χ^2/NDF: 70.6/45

All: -10.709+/-13.313 χ^2/NDF: 151.9/95

- sign -66.841+/-19.090 χ^2/NDF: 64.5/49

eigen_cor_asym_sam3_rms vs Slug



Right In: 128.862+/-0.032 χ^2/NDF: 4074065.6/20

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 135.796+/-0.031 χ^2/NDF: 5912956.1/26

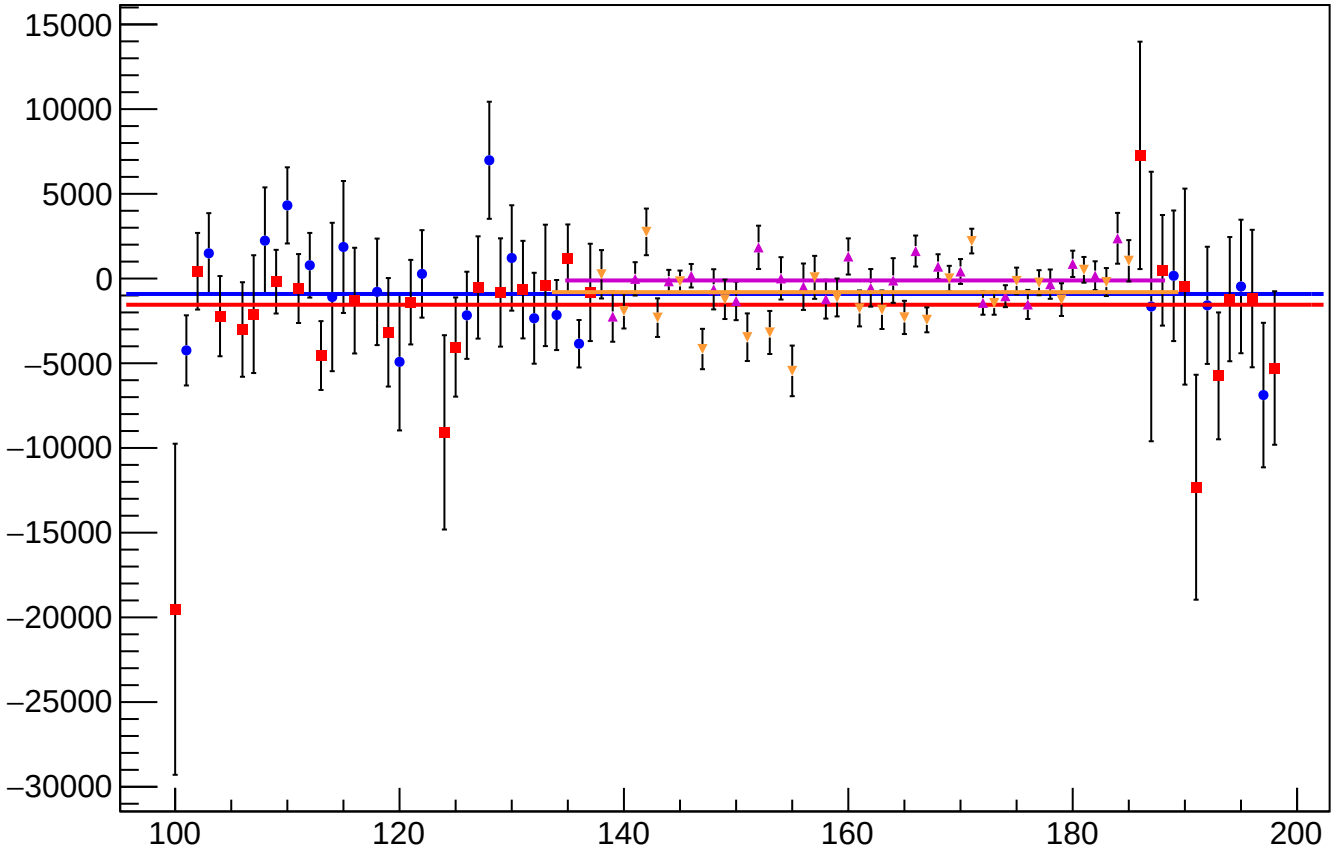
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 94.772+/-0.013 χ^2/NDF: 6693396.7/45

All: 95.988+/-0.009 χ^2/NDF: 15558015.4/95

- sign 97.272+/-0.013 χ^2/NDF: 8846996.5/49

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -910.992+/-585.069 χ^2/NDF: 25.6/20

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1546.737+/-570.494 χ^2/NDF: 19.2/26

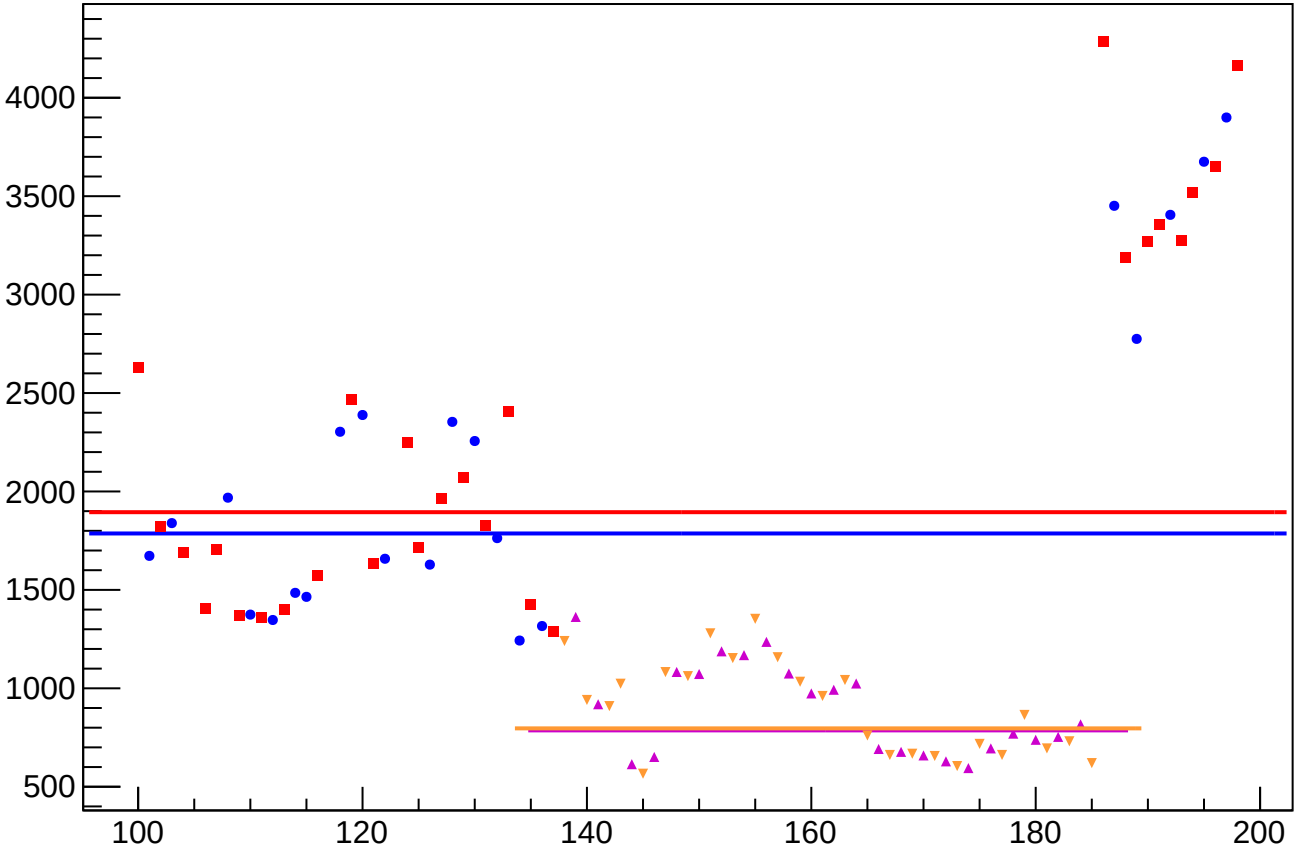
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -811.722+/-178.775 χ^2/NDF: 97.5/45

All: -536.548+/-127.017 χ^2/NDF: 154.2/95

- sign -256.052+/-180.496 χ^2/NDF: 52.0/49

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1786.619+/-0.414 χ^2/NDF: 2391479.1/20

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1894.757+/-0.403 χ^2/NDF: 3200566.1/26

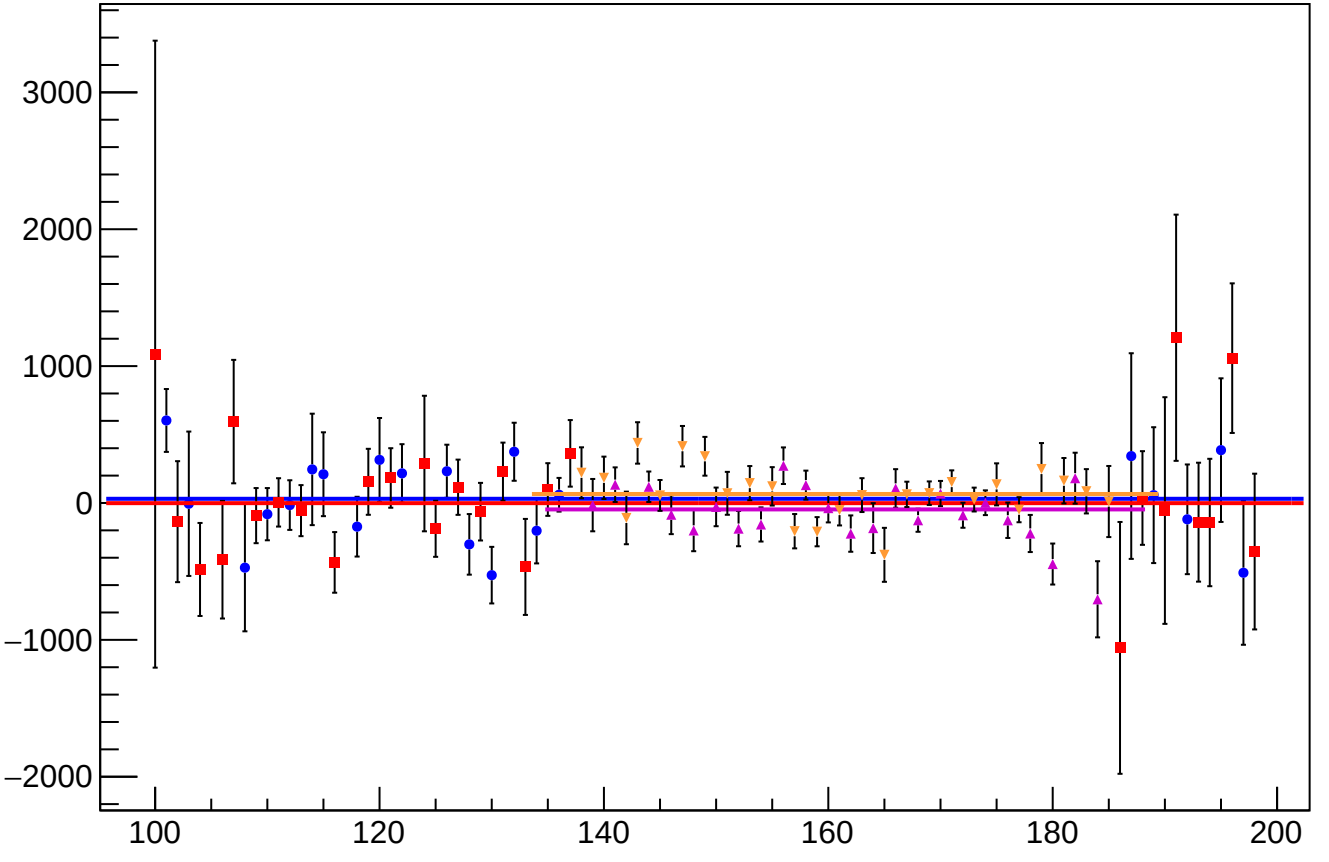
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 888.967+/-0.126 χ^2/NDF: 10002133.7/45

All: 893.088+/-0.090 χ^2/NDF: 22155523.3/95

- sign 897.288+/-0.128 χ^2/NDF: 12151244.1/49

dit_asym_sam3_mean vs Slug



Right In: 30.654+/-53.376 χ^2/NDF: 27.0/20

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -1.226+/-53.712 χ^2/NDF: 24.8/26

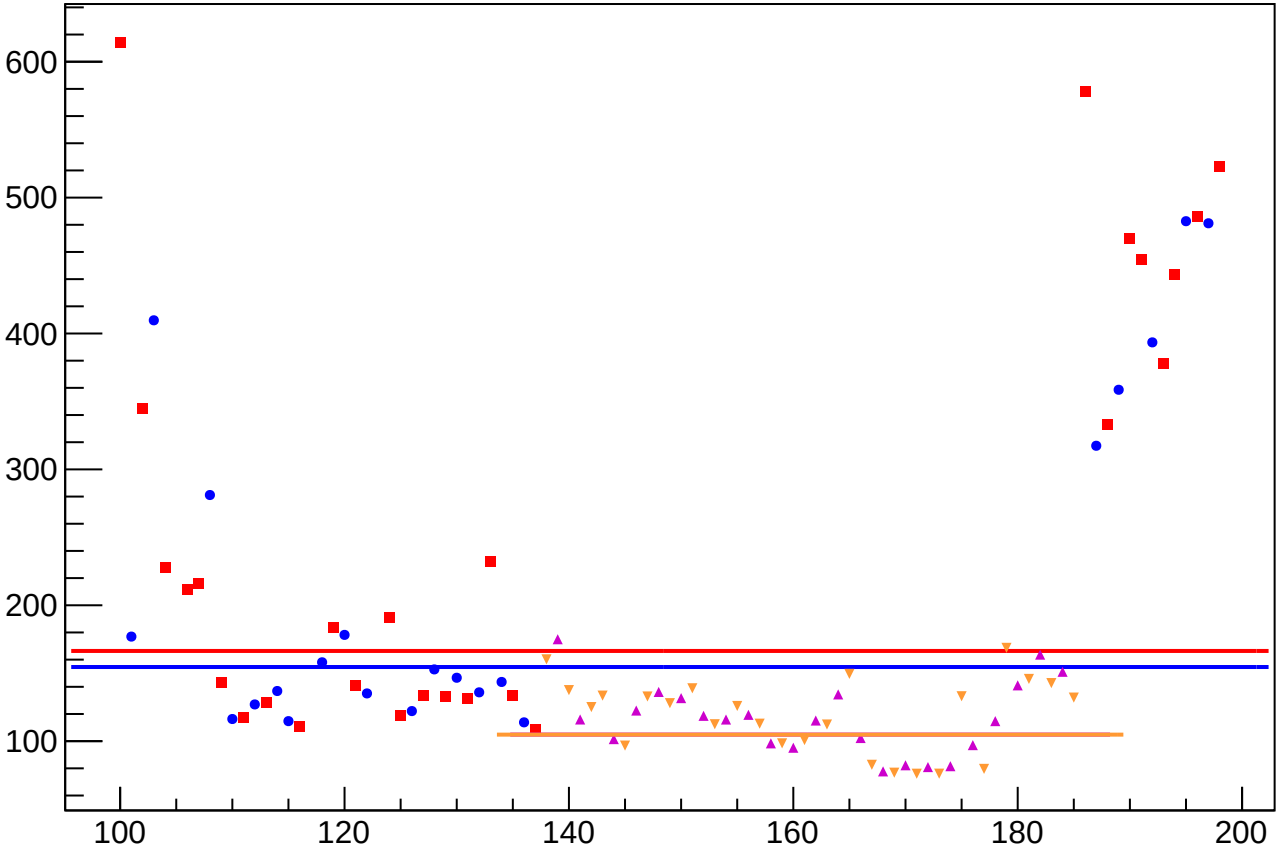
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 59.372+/-22.684 χ^2/NDF: 67.4/45

All: 11.492+/-16.212 χ^2/NDF: 140.5/95

- sign -38.506+/-23.180 χ^2/NDF: 64.0/49

dit_asym_sam3_rms vs Slug



Right In: 154.568+/-0.038 χ^2/NDF: 3821233.7/20

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 166.389+/-0.038 χ^2/NDF: 5452994.2/26

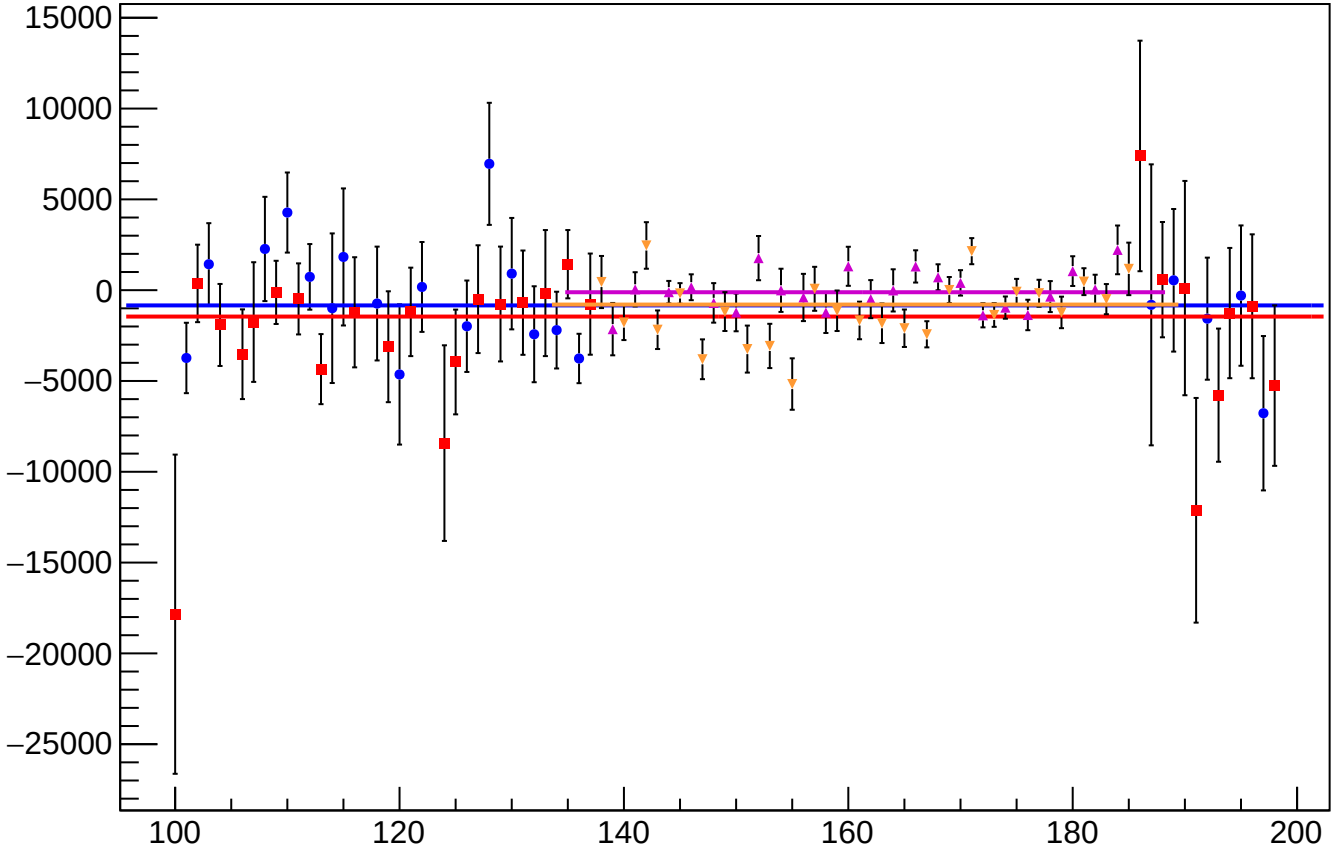
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 113.797+/-0.016 χ^2/NDF: 7488173.3/45

All: 115.021+/-0.011 χ^2/NDF: 16705017.7/95

- sign 116.299+/-0.016 χ^2/NDF: 9204939.1/49

asym_sam3_dit_correction_mean vs Slug



Right In: -839.389+/-567.099 χ^2/NDF: 25.6/20

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1453.336+/-545.554 χ^2/NDF: 21.1/26

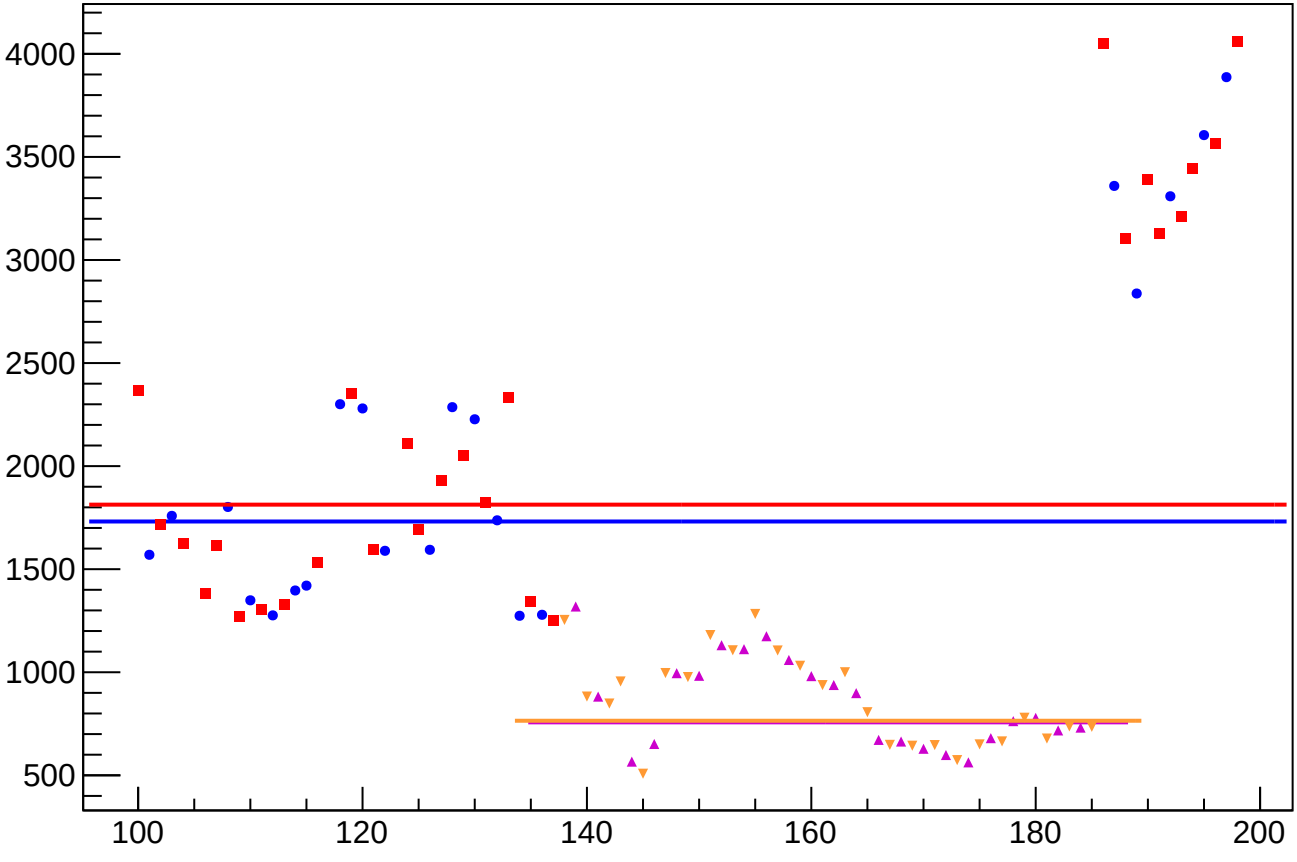
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -797.305+/-171.476 χ^2/NDF: 95.7/45

All: -526.705+/-121.998 χ^2/NDF: 153.5/95

- sign -249.339+/-173.606 χ^2/NDF: 52.8/49

asym_sam3_dit_correction_rms vs Slug



Right In: 1731.383+/-0.401 χ^2/NDF: 2443480.7/20

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1813.106+/-0.386 χ^2/NDF: 3344989.9/26

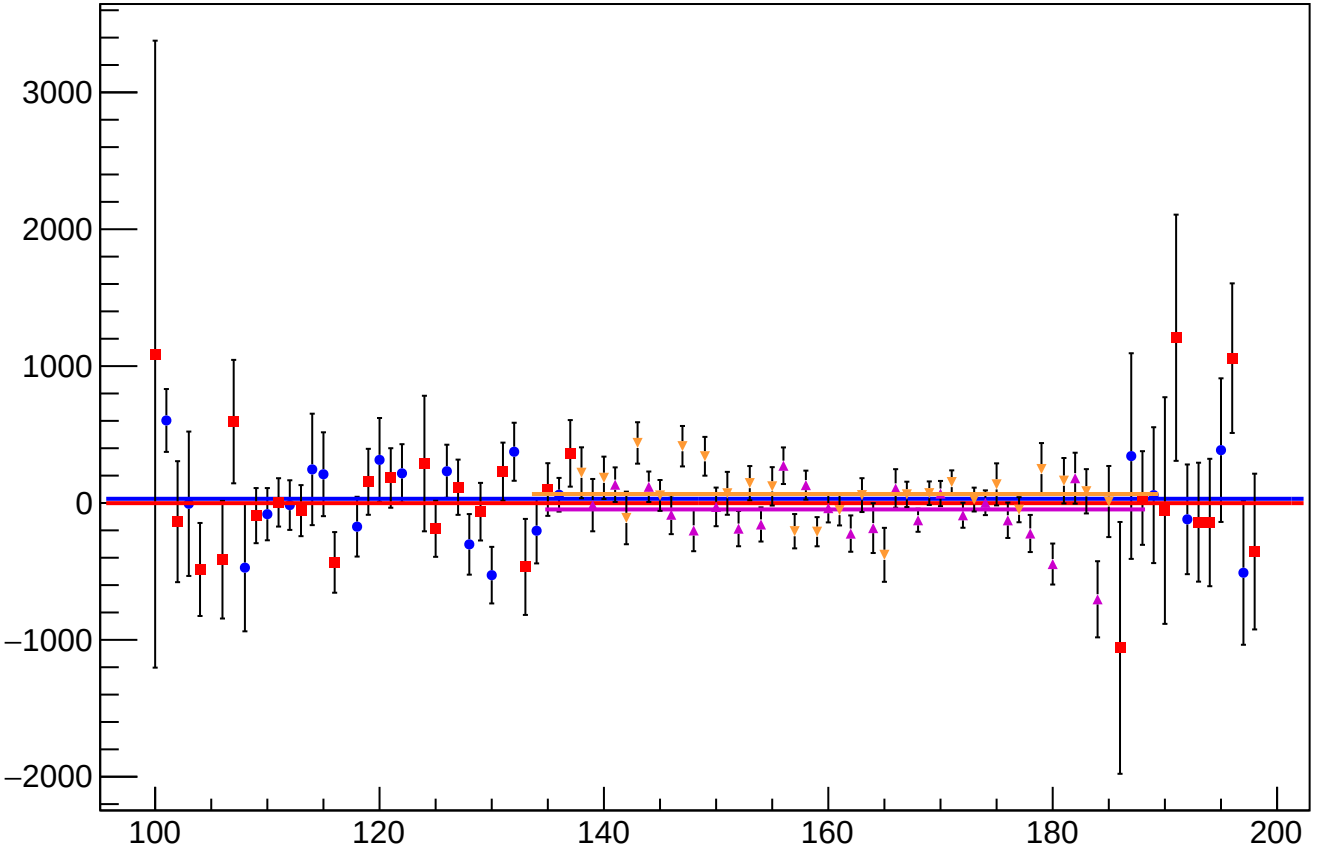
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 853.114+/-0.121 χ^2/NDF: 10148722.1/45

All: 858.430+/-0.086 χ^2/NDF: 22349819.5/95

- sign 863.880+/-0.123 χ^2/NDF: 12197204.8/49

eigen_dit_asym_sam3_mean vs Slug



Right In: 30.653+/-53.377 χ^2/NDF: 27.0/20

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -1.222+/-53.712 χ^2/NDF: 24.8/26

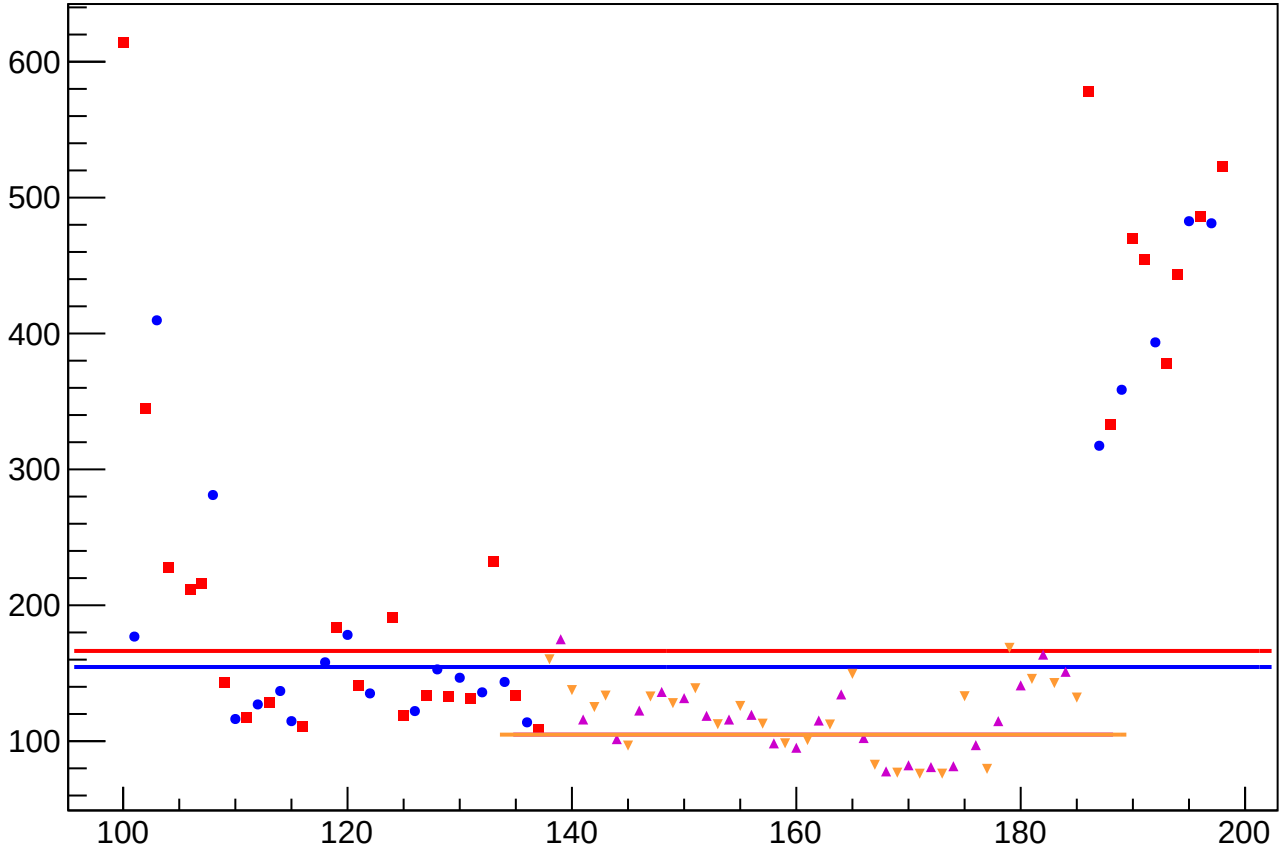
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 59.373+/-22.684 χ^2/NDF: 67.4/45

All: 11.493+/-16.213 χ^2/NDF: 140.5/95

- sign -38.505+/-23.180 χ^2/NDF: 64.0/49

eigen_dit_asym_sam3_rms vs Slug



Right In: 154.569+/-0.038 χ^2/NDF: 3821233.7/20

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 166.390+/-0.038 χ^2/NDF: 5452989.0/26

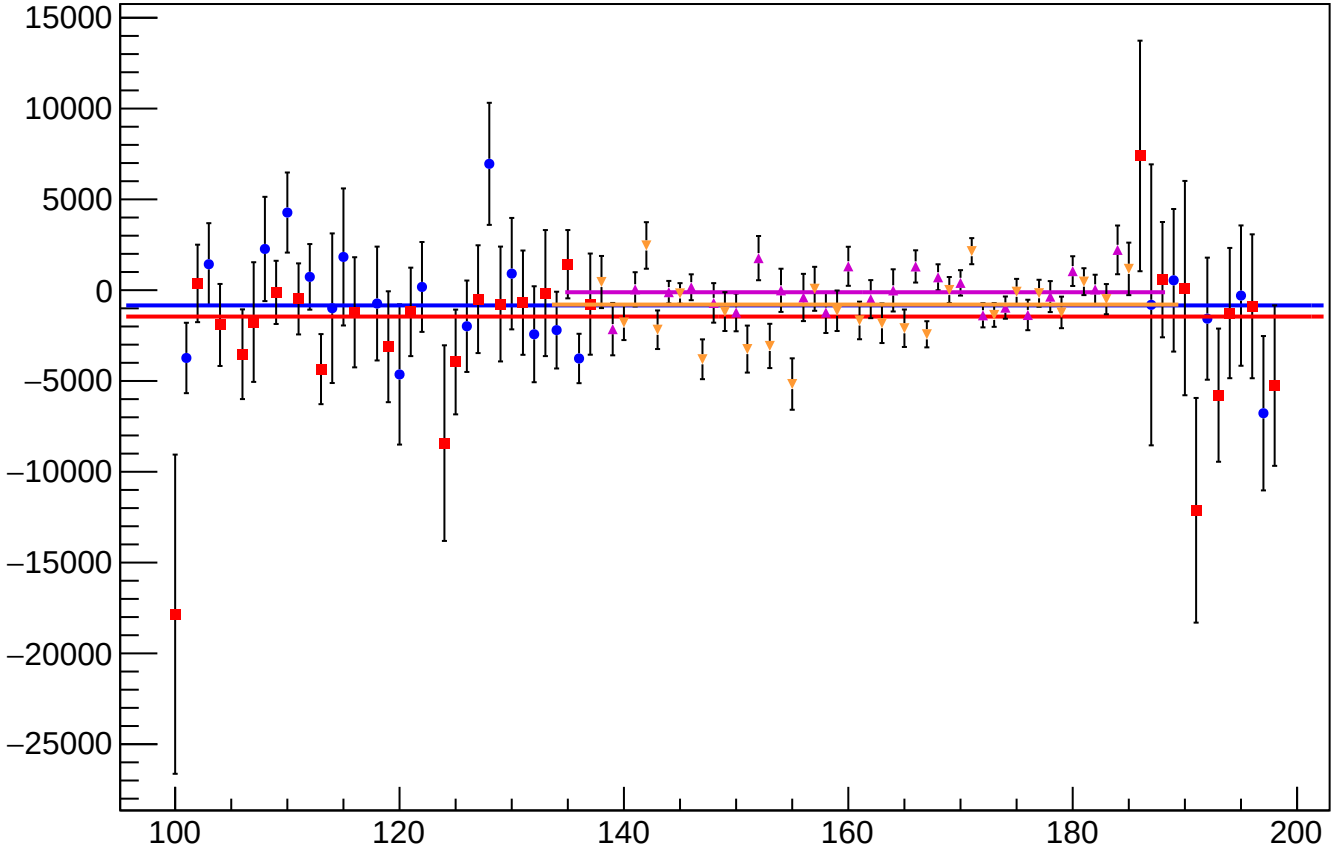
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 113.797+/-0.016 χ^2/NDF: 7488186.2/45

All: 115.021+/-0.011 χ^2/NDF: 16705038.8/95

- sign 116.299+/-0.016 χ^2/NDF: 9204947.4/49

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -839.386+/-567.099 χ^2/NDF: 25.6/20

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1453.335+/-545.553 χ^2/NDF: 21.1/26

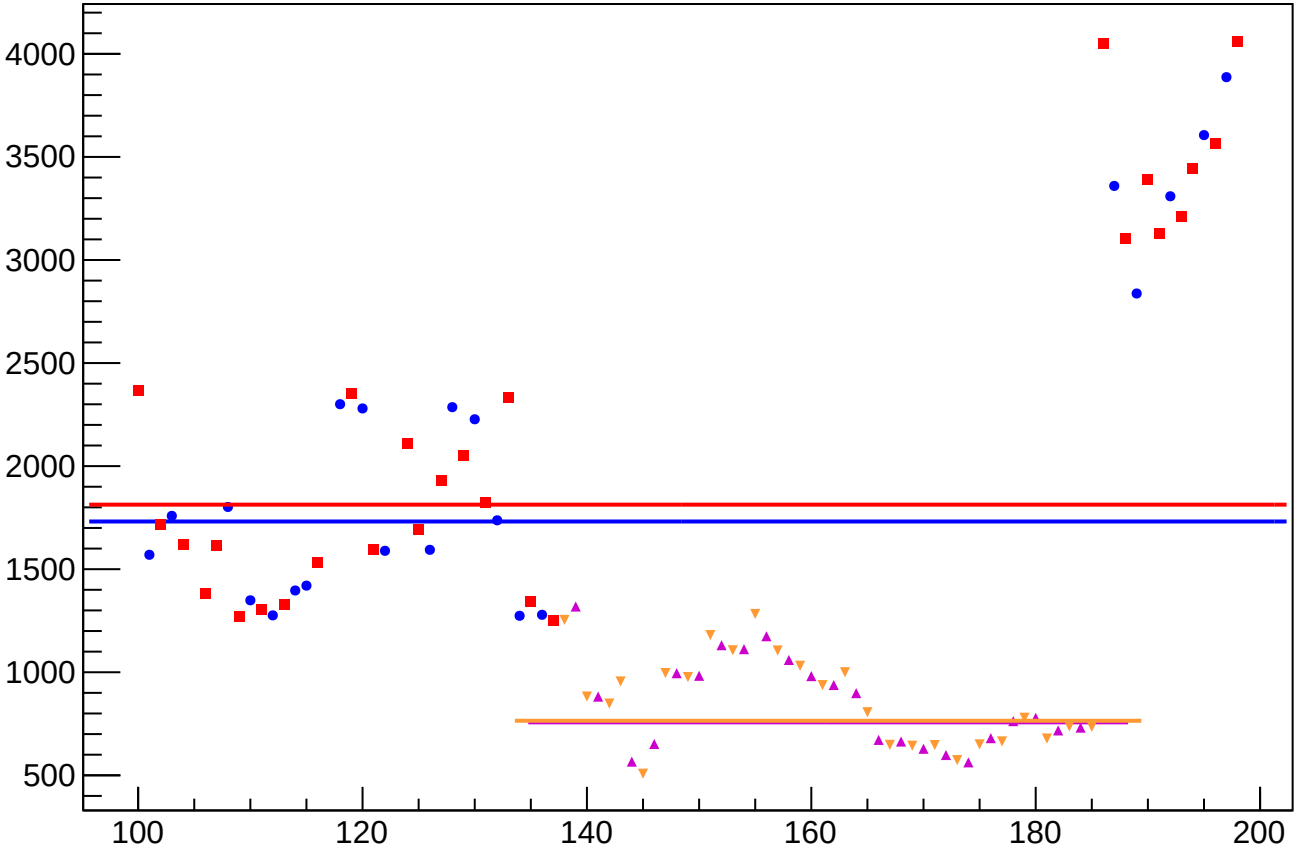
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -797.306+/-171.475 χ^2/NDF: 95.7/45

All: -526.705+/-121.998 χ^2/NDF: 153.5/95

- sign -249.339+/-173.606 χ^2/NDF: 52.8/49

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1731.381+/-0.401 χ^2/NDF: 2443478.5/20

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1813.104+/-0.386 χ^2/NDF: 3344989.8/26

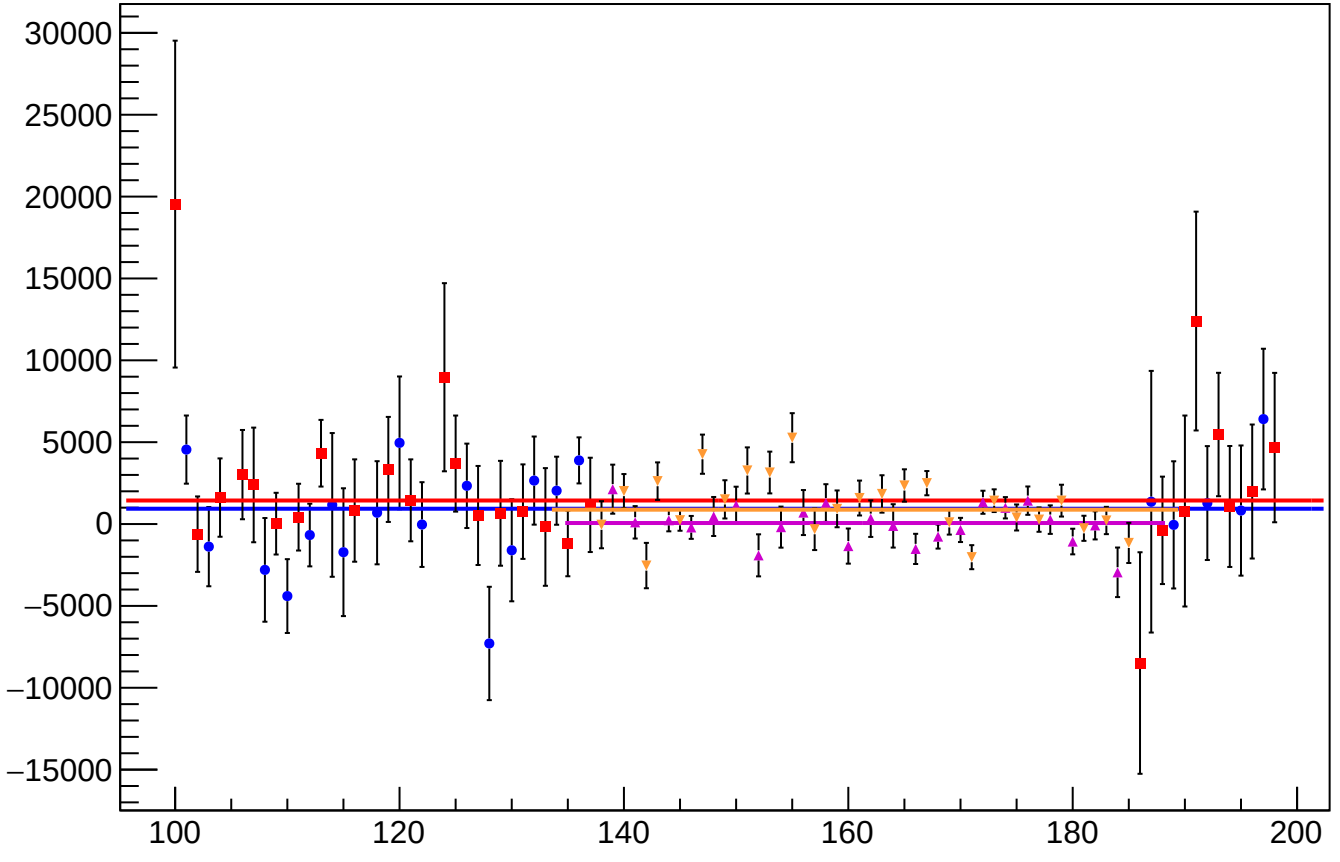
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 853.114+/-0.121 χ^2/NDF: 10148711.4/45

All: 858.430+/-0.086 χ^2/NDF: 22349797.8/95

- sign 863.879+/-0.123 χ^2/NDF: 12197193.7/49

asym_sam3_mean vs Slug



Right In: 934.929+/-587.850 χ^2/NDF: 26.6/20

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1437.969+/-572.631 χ^2/NDF: 19.0/26

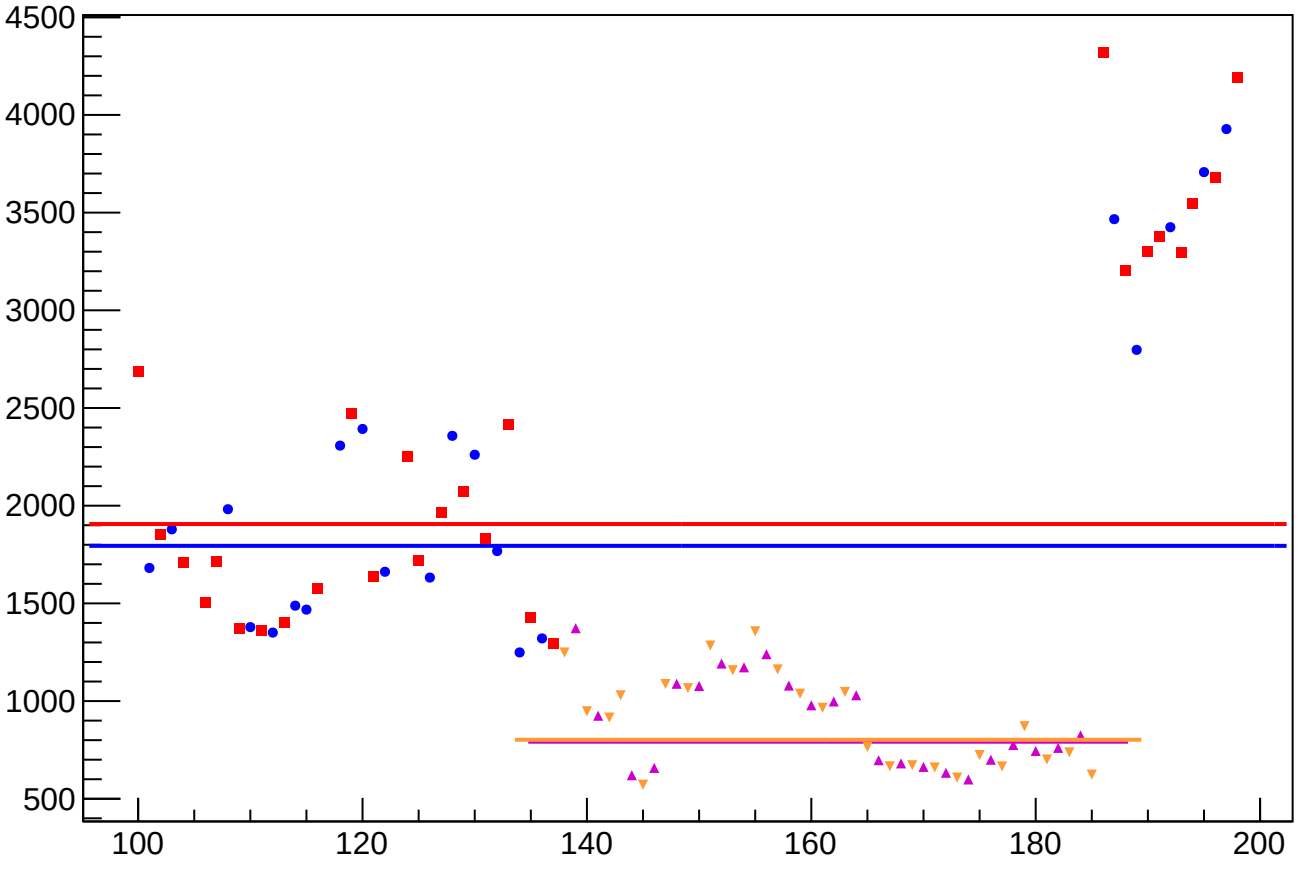
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 881.958+/-179.928 χ^2/NDF: 93.9/45

All: 544.912+/-127.849 χ^2/NDF: 152.3/95

- sign 201.209+/-181.696 χ^2/NDF: 51.3/49

asym_sam3_rms vs Slug



Right In: 1794.500+/-0.416 χ^2/NDF: 2403959.1/20

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

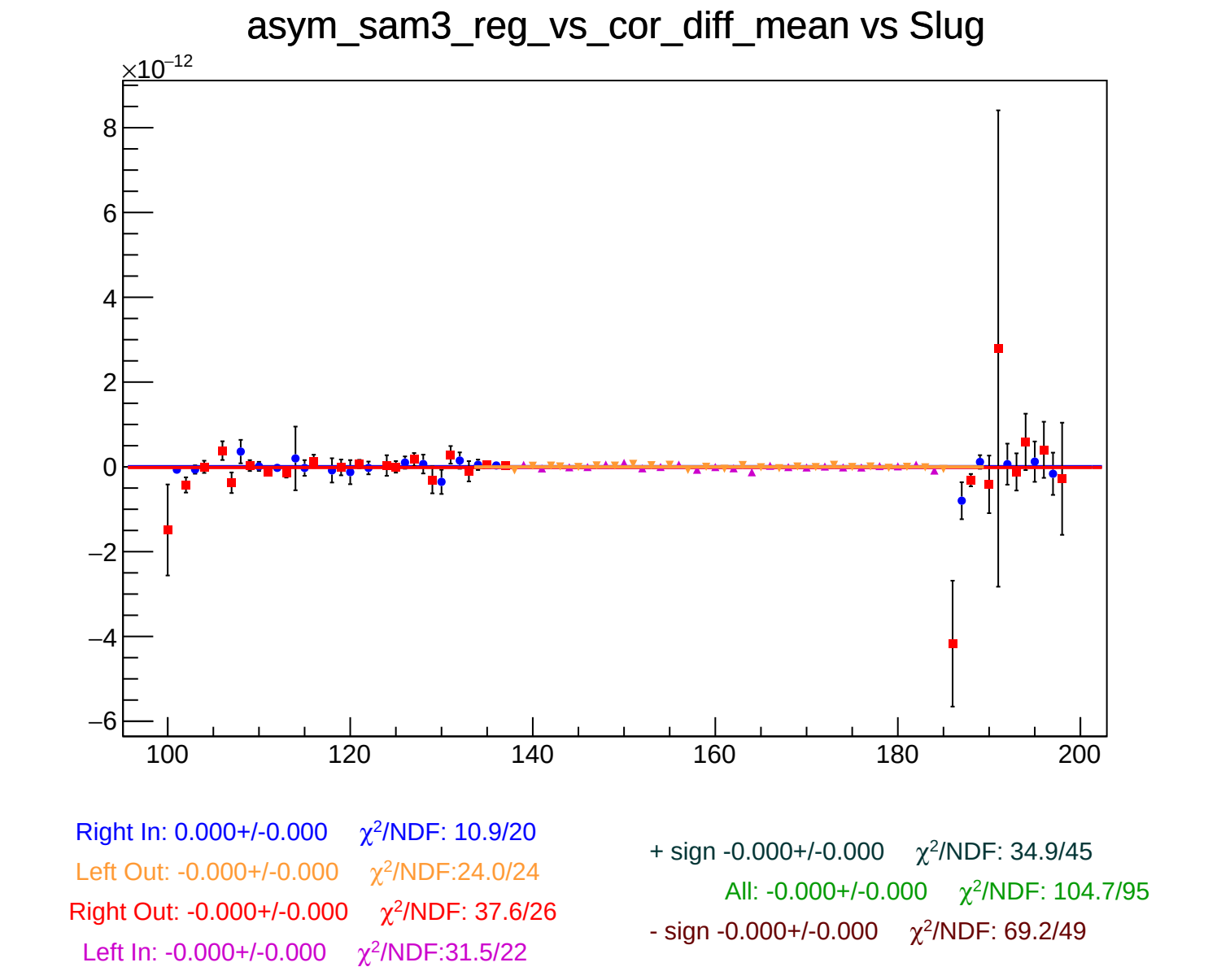
Right Out: 1906.081+/-0.405 χ^2/NDF: 3200763.3/26

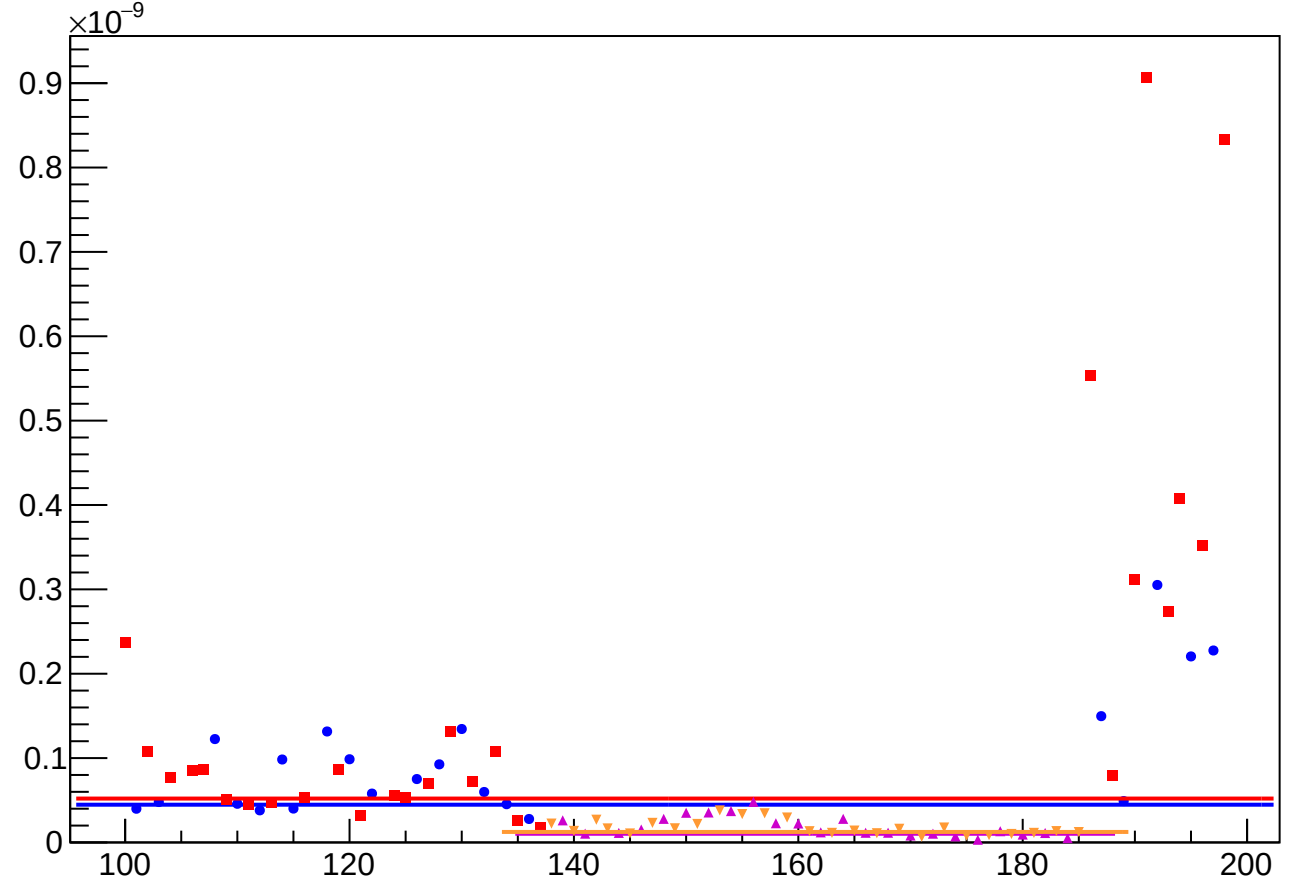
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 894.994+/-0.127 χ^2/NDF: 9966820.7/45

All: 899.561+/-0.090 χ^2/NDF: 22113169.4/95

- sign 904.219+/-0.128 χ^2/NDF: 12143745.6/49


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: 10.9/20
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 37.6/26
Left In: -0.000+/-0.000 χ²/NDF:31.5/22
+ sign -0.000+/-0.000 χ²/NDF: 34.9/45
All: -0.000+/-0.000 χ²/NDF: 104.7/95
- sign -0.000+/-0.000 χ²/NDF: 69.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 2402944.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4292632.6/26

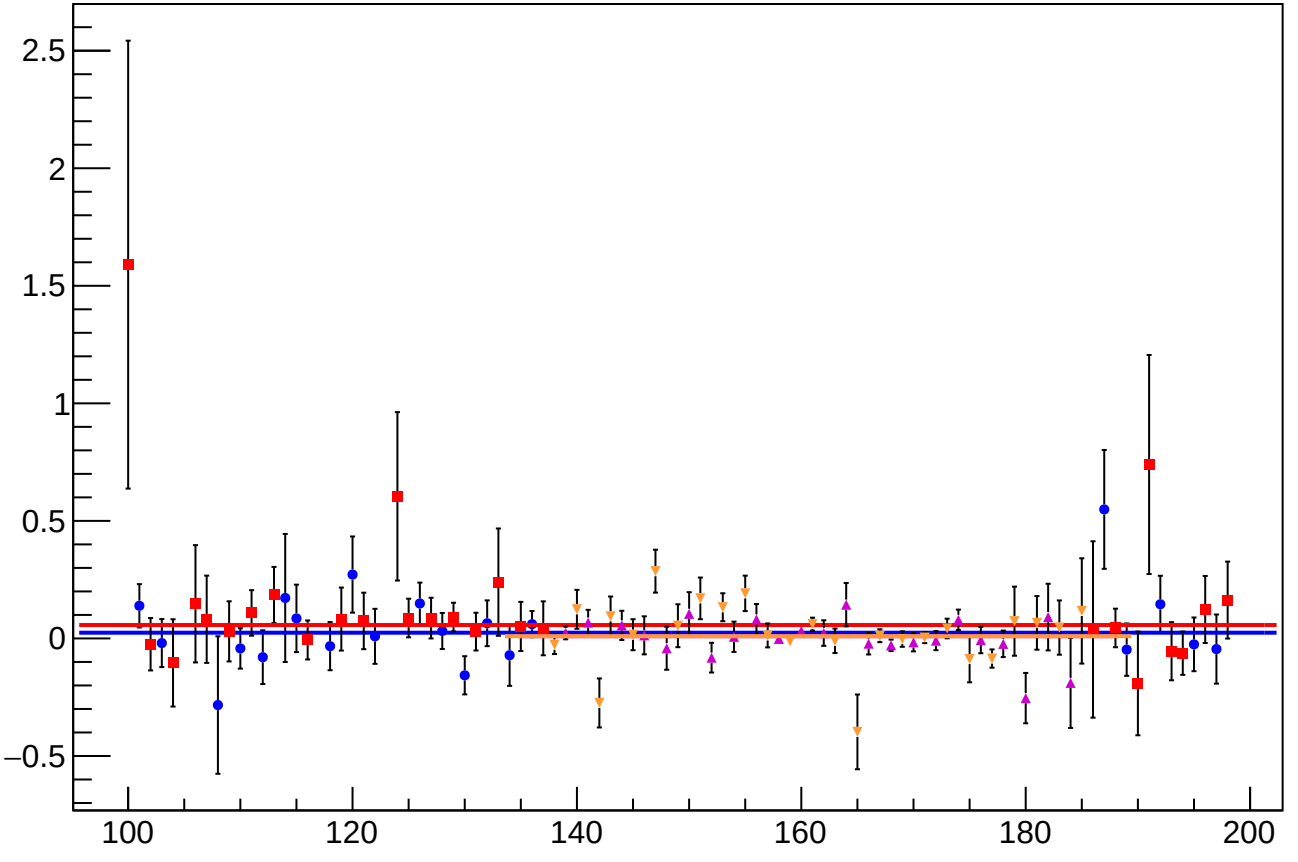
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7423716.7/45

All: 0.000+/-0.000 χ^2/NDF: 19484452.6/95

- sign 0.000+/-0.000 χ^2/NDF: 11861887.2/49

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.022 χ^2/NDF: 16.4/26

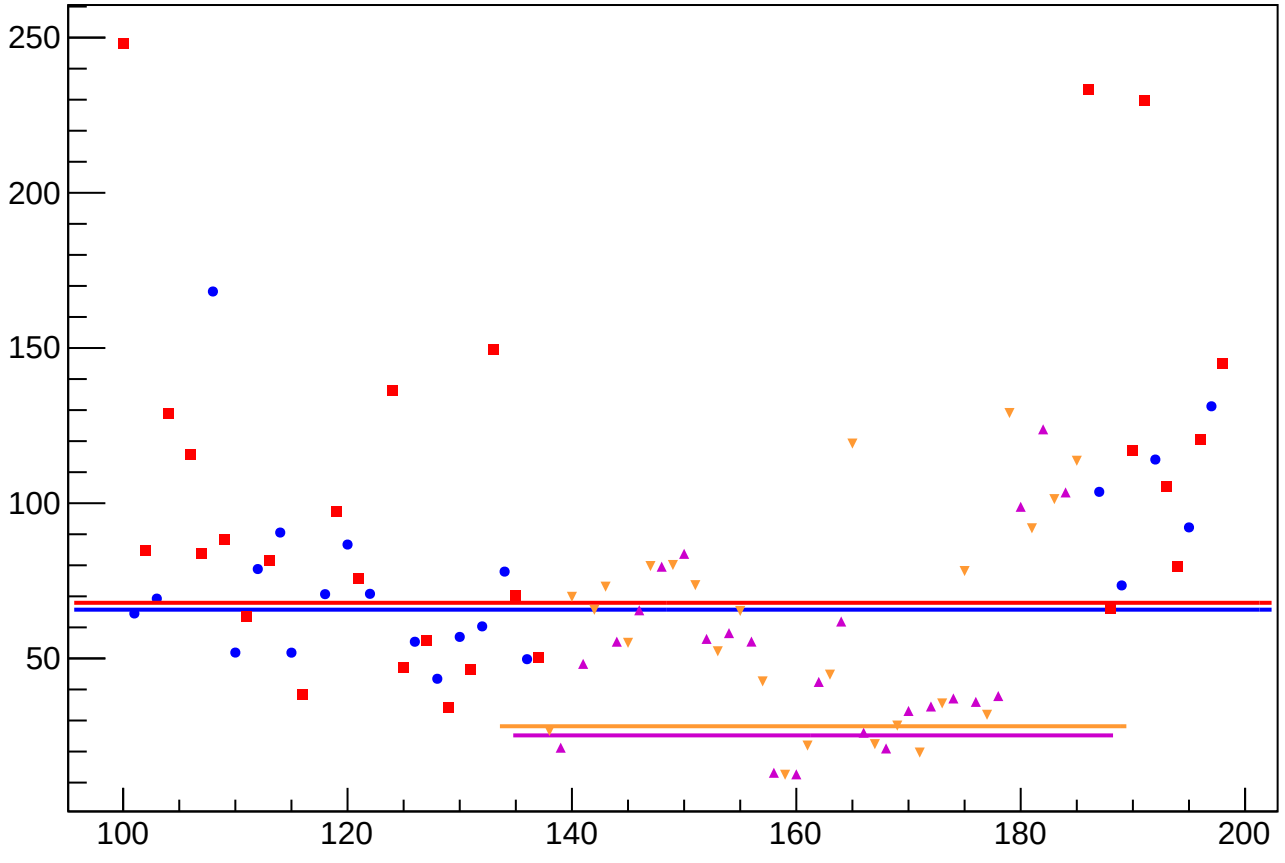
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 76.7/45

All: 0.013+/-0.005 χ^2/NDF: 122.4/95

- sign 0.015+/-0.007 χ^2/NDF: 45.6/49

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 65.704+/-0.016 χ^2/NDF: 1690092.3/20

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 67.921+/-0.016 χ^2/NDF: 3822097.1/26

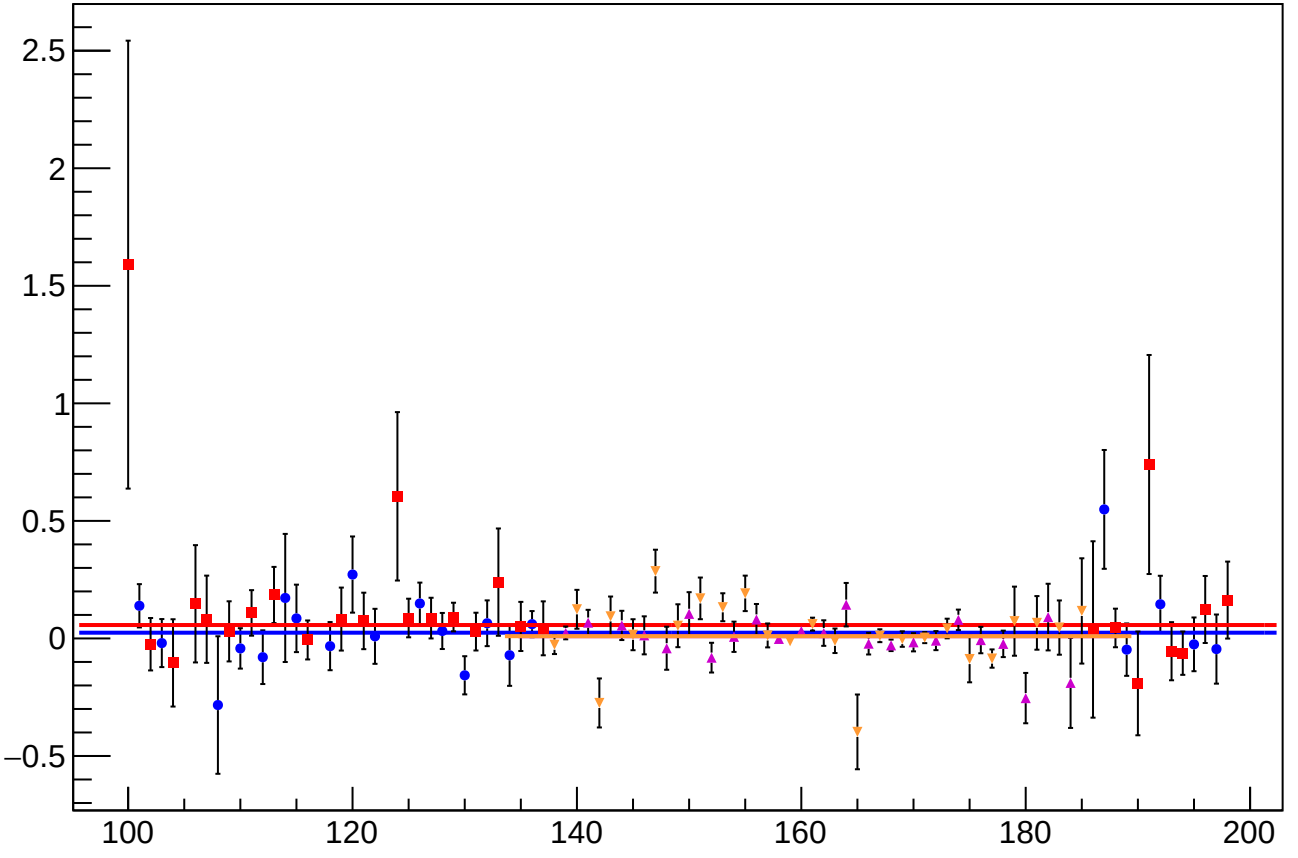
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

\+ sign 32.706+/-0.006 χ^2/NDF: 17543638.5/45

All: 31.274+/-0.004 χ^2/NDF: 37981805.4/95

\- sign 30.004+/-0.005 χ^2/NDF: 20315037.8/49

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.022 χ^2/NDF: 16.4/26

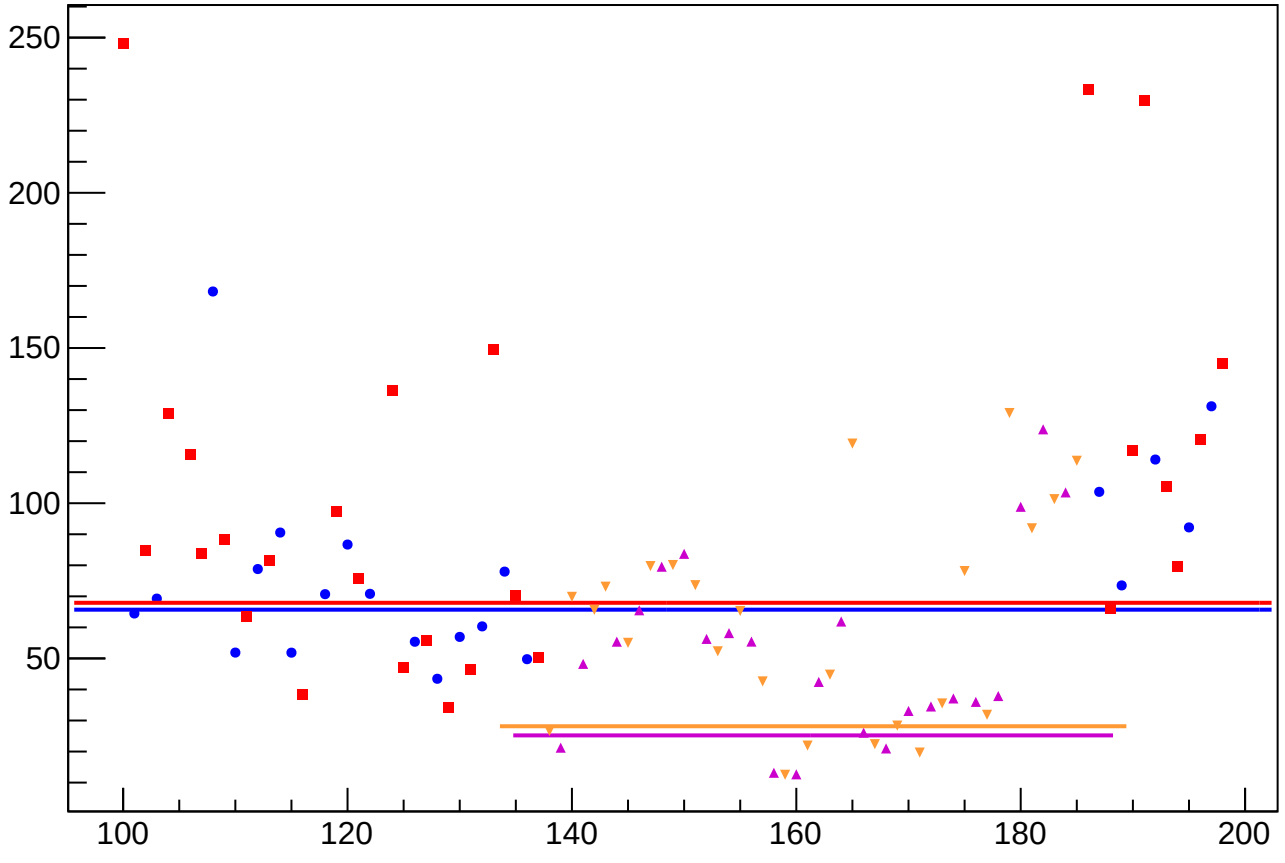
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 76.7/45

All: 0.013+/-0.005 χ^2/NDF: 122.4/95

- sign 0.015+/-0.007 χ^2/NDF: 45.6/49

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.704+/-0.016 χ^2/NDF: 1690092.3/20

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 67.921+/-0.016 χ^2/NDF: 3822097.1/26

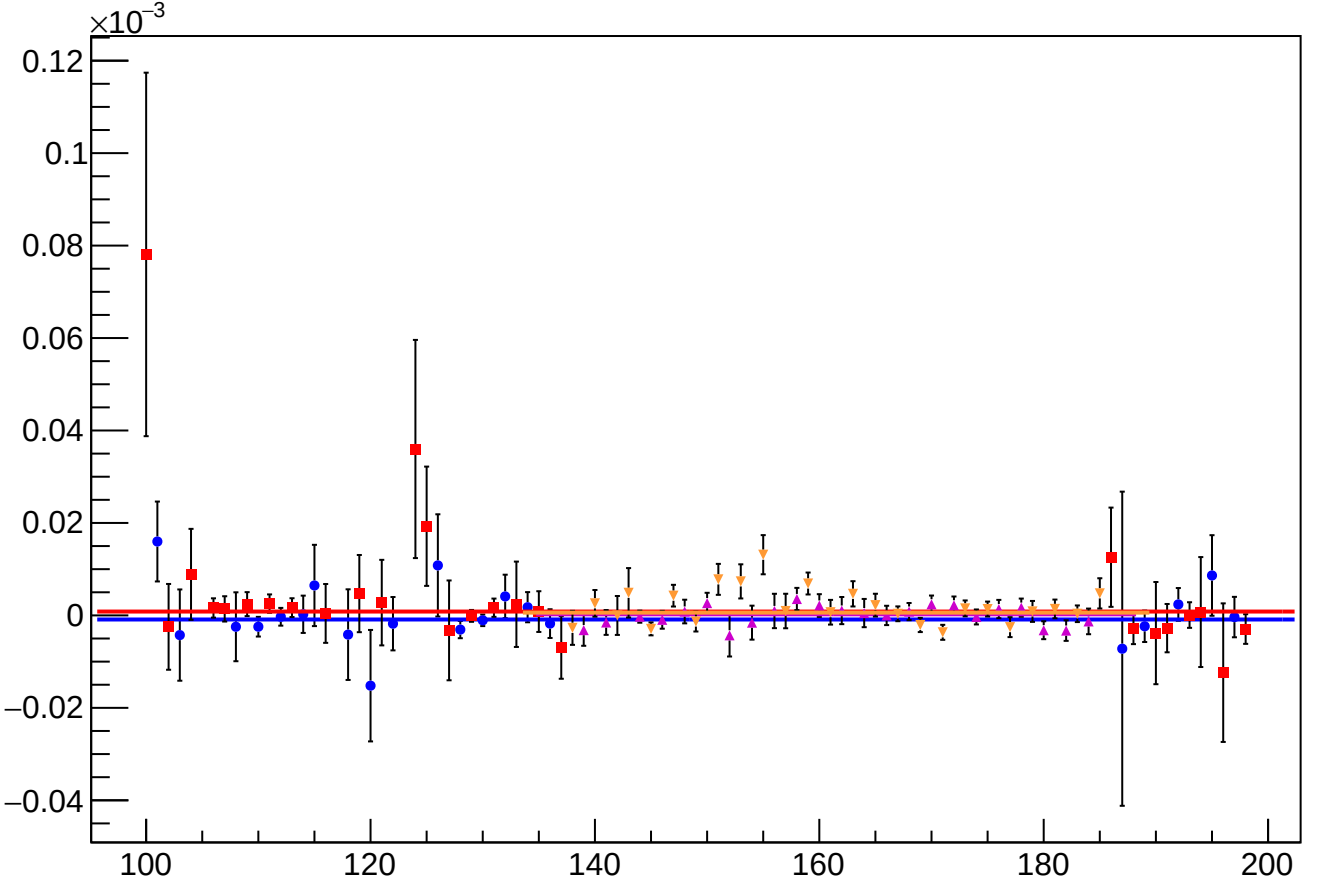
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

\+ sign 32.706+/-0.006 χ^2/NDF: 17543638.5/45

All: 31.274+/-0.004 χ^2/NDF: 37981805.4/95

\- sign 30.004+/-0.005 χ^2/NDF: 20315037.8/49

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/26

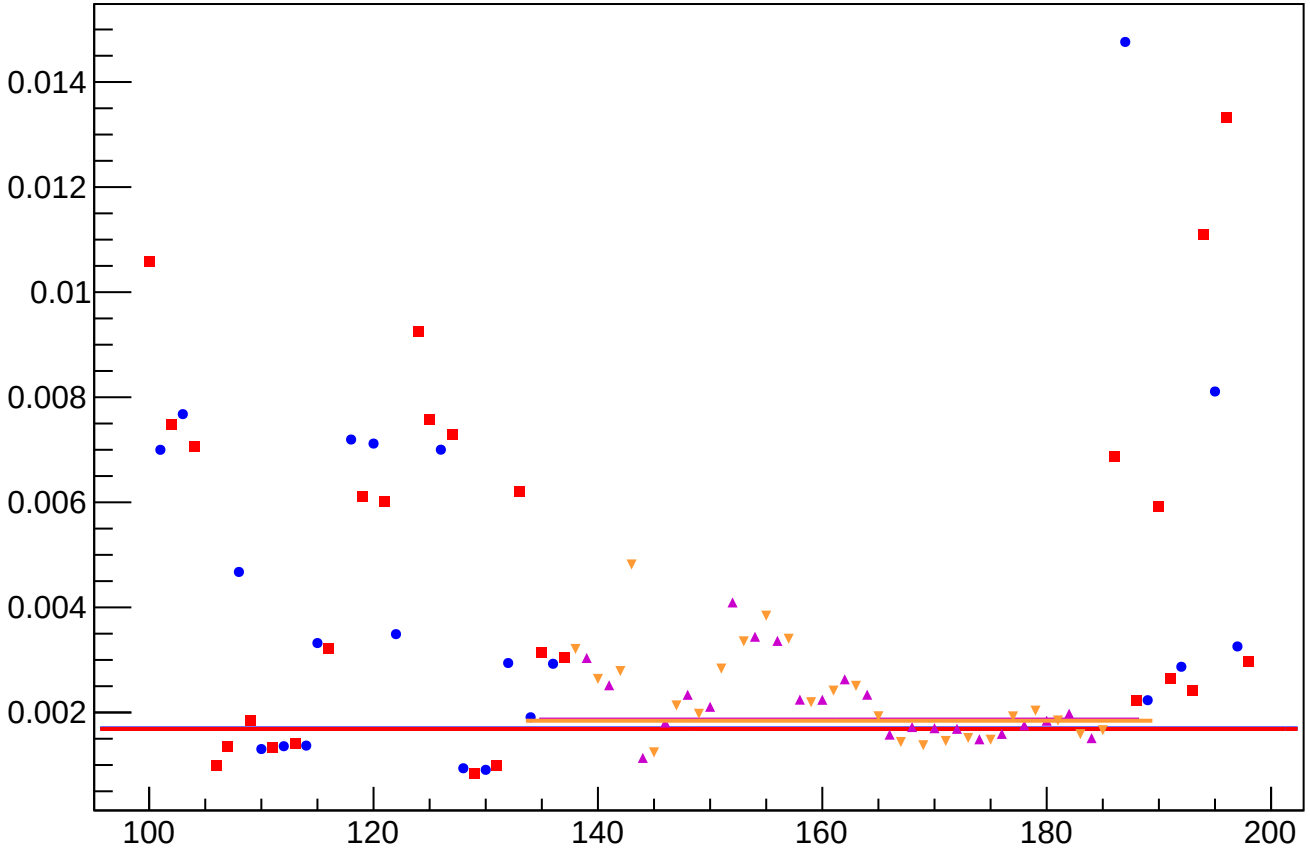
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.2/45

All: 0.000+/-0.000 χ^2/NDF: 104.7/95

- sign 0.000+/-0.000 χ^2/NDF: 35.3/49

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7196227.0/20

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9834215.3/26

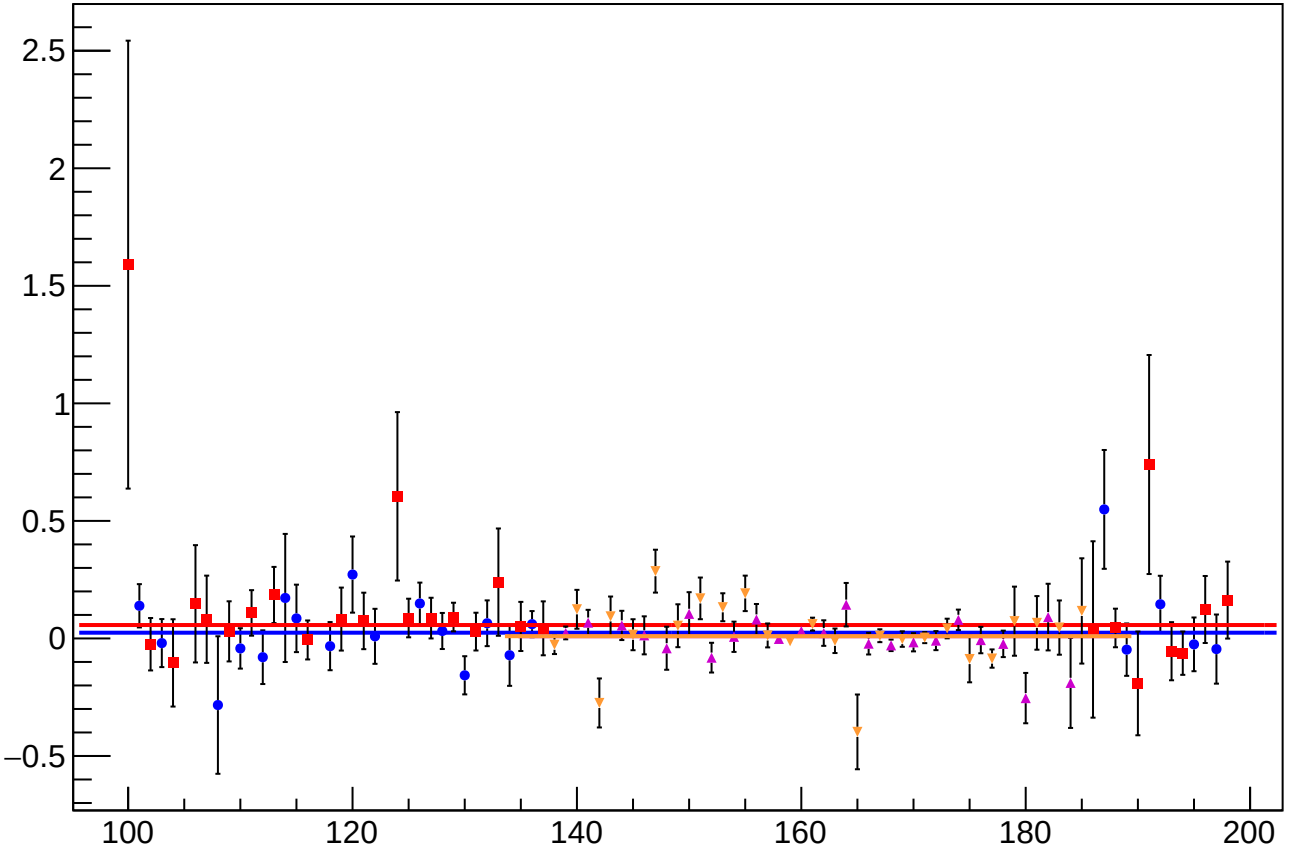
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 11042937.0/45

All: 0.002+/-0.000 χ^2/NDF: 23774274.2/95

- sign 0.002+/-0.000 χ^2/NDF: 12731232.5/49

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.022 χ^2/NDF: 16.4/26

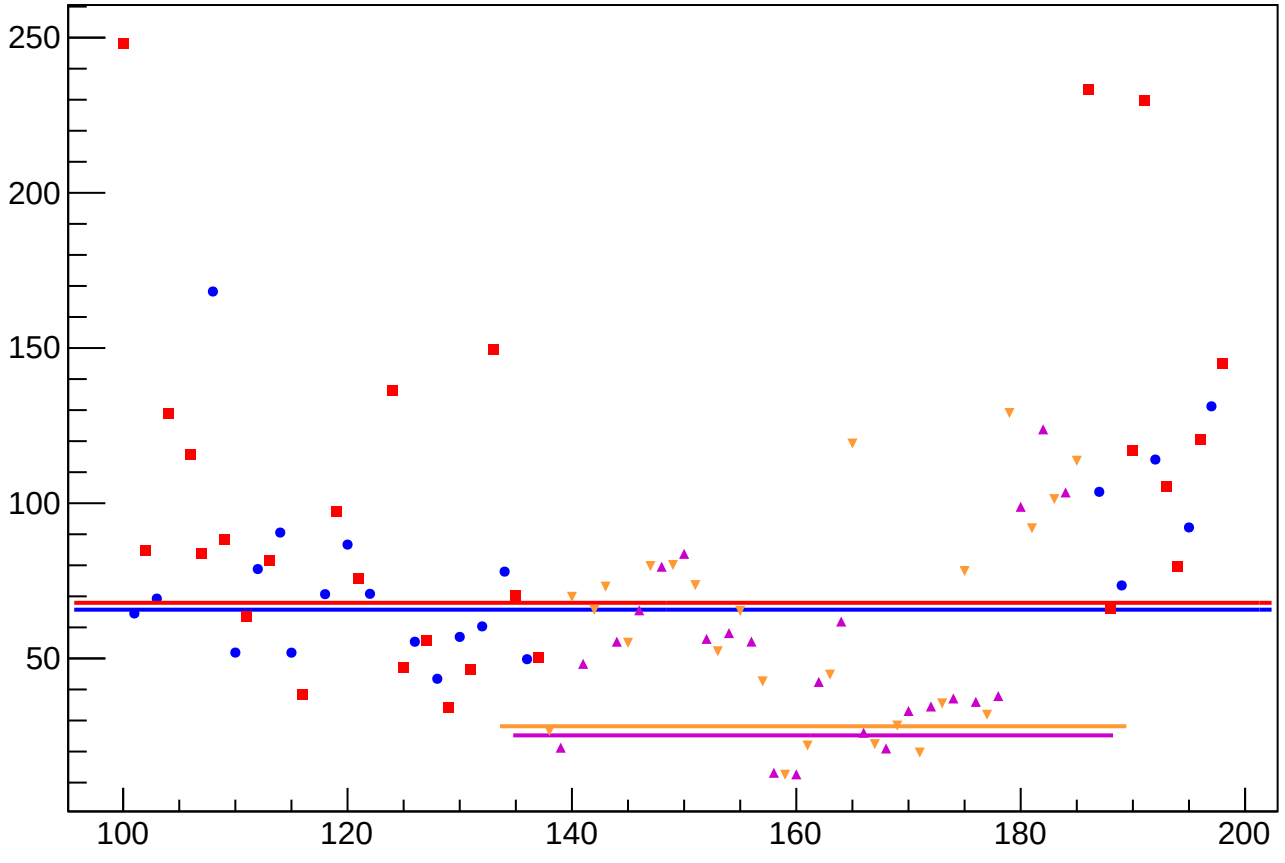
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 76.7/45

All: 0.013+/-0.005 χ^2/NDF: 122.4/95

- sign 0.015+/-0.007 χ^2/NDF: 45.6/49

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 65.705+/-0.016 χ^2/NDF: 1690066.1/20

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

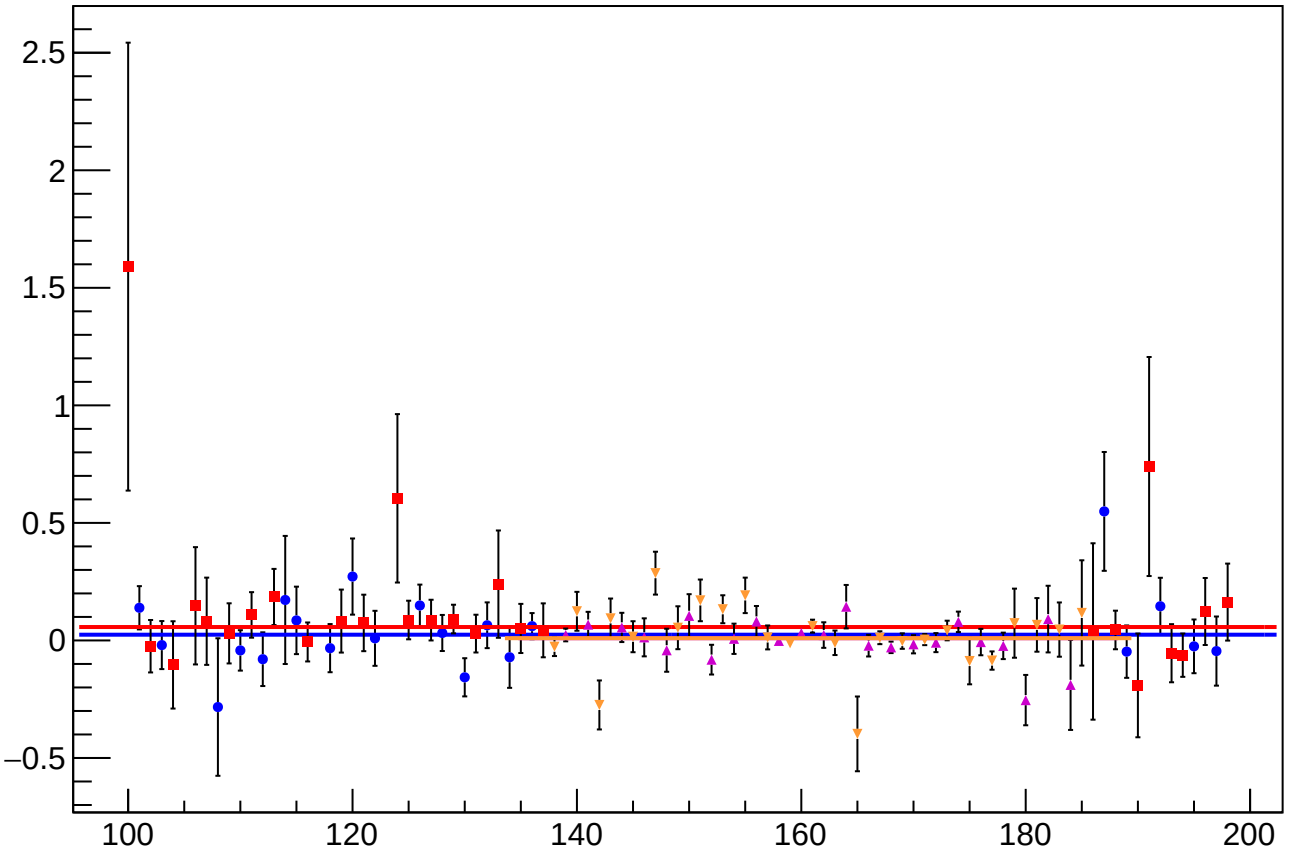
Right Out: 67.922+/-0.016 χ^2/NDF: 3822113.5/26

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 32.705+/-0.006 χ^2/NDF: 17545058.9/45

All: 31.273+/-0.004 χ^2/NDF: 37983955.9/95

\- sign 30.004+/-0.005 χ^2/NDF: 20315844.1/49



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.022 χ^2/NDF: 16.4/26

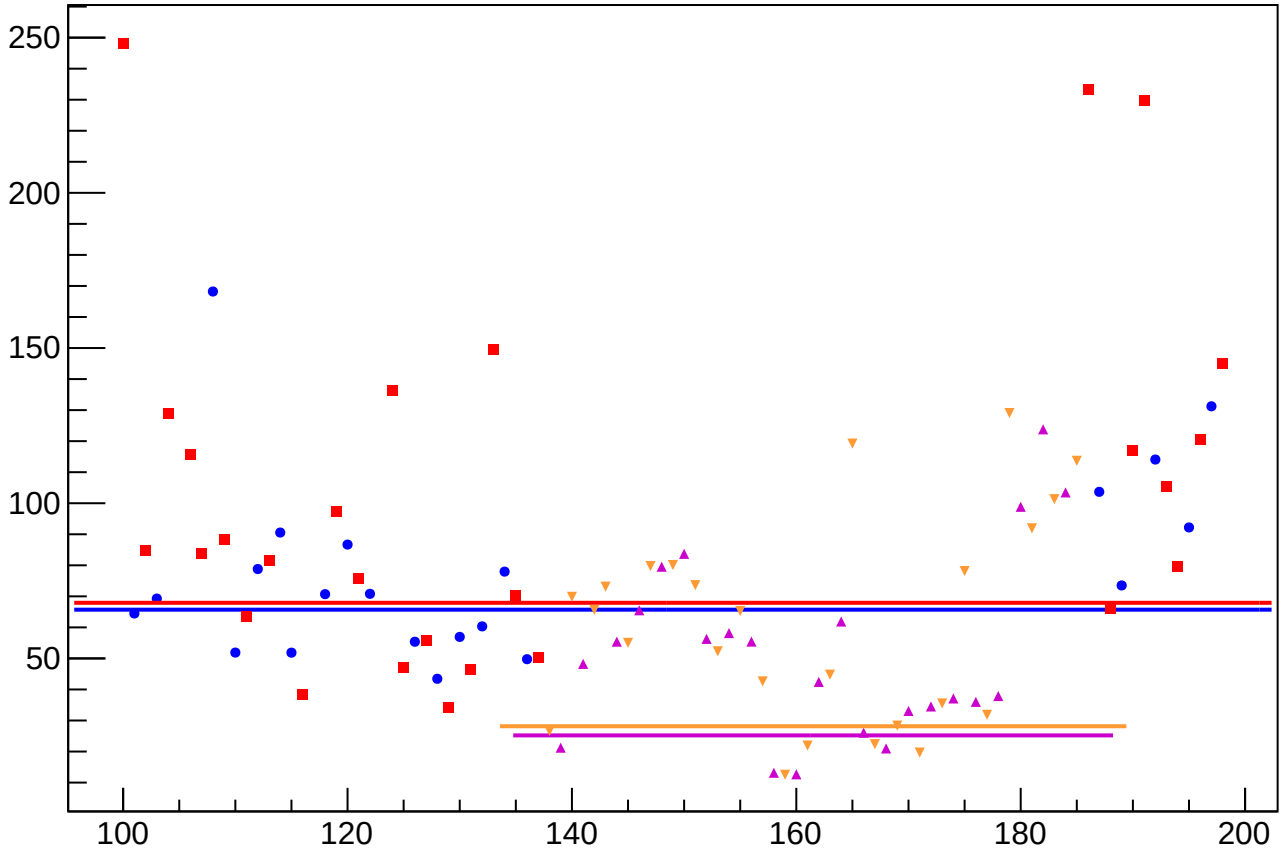
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 76.7/45

All: 0.013+/-0.005 χ^2/NDF: 122.4/95

- sign 0.015+/-0.007 χ^2/NDF: 45.6/49

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.705+/-0.016 χ^2/NDF: 1690066.1/20

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

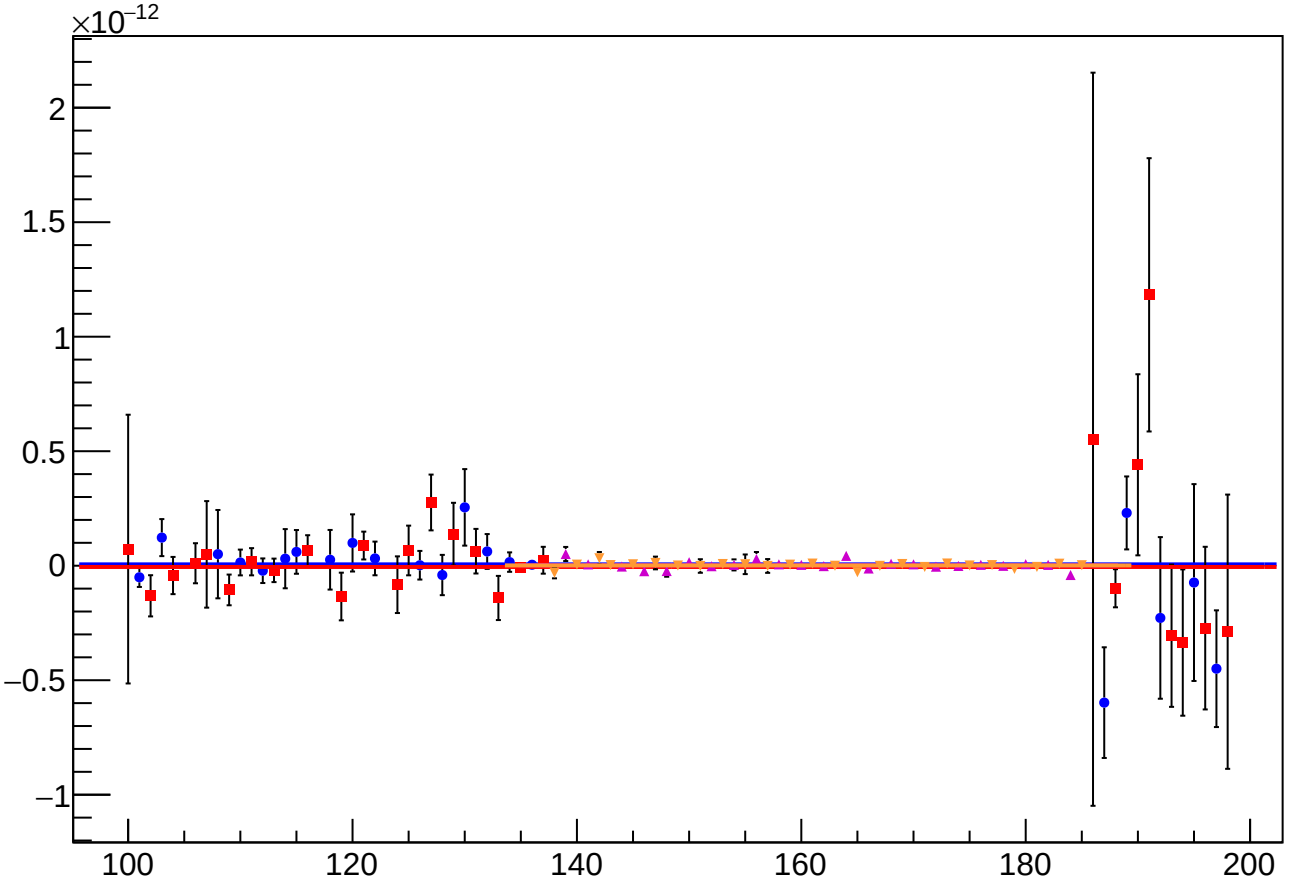
Right Out: 67.922+/-0.016 χ^2/NDF: 3822113.5/26

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 32.705+/-0.006 χ^2/NDF: 17545058.9/45

All: 31.273+/-0.004 χ^2/NDF: 37983955.9/95

\- sign 30.004+/-0.005 χ^2/NDF: 20315844.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

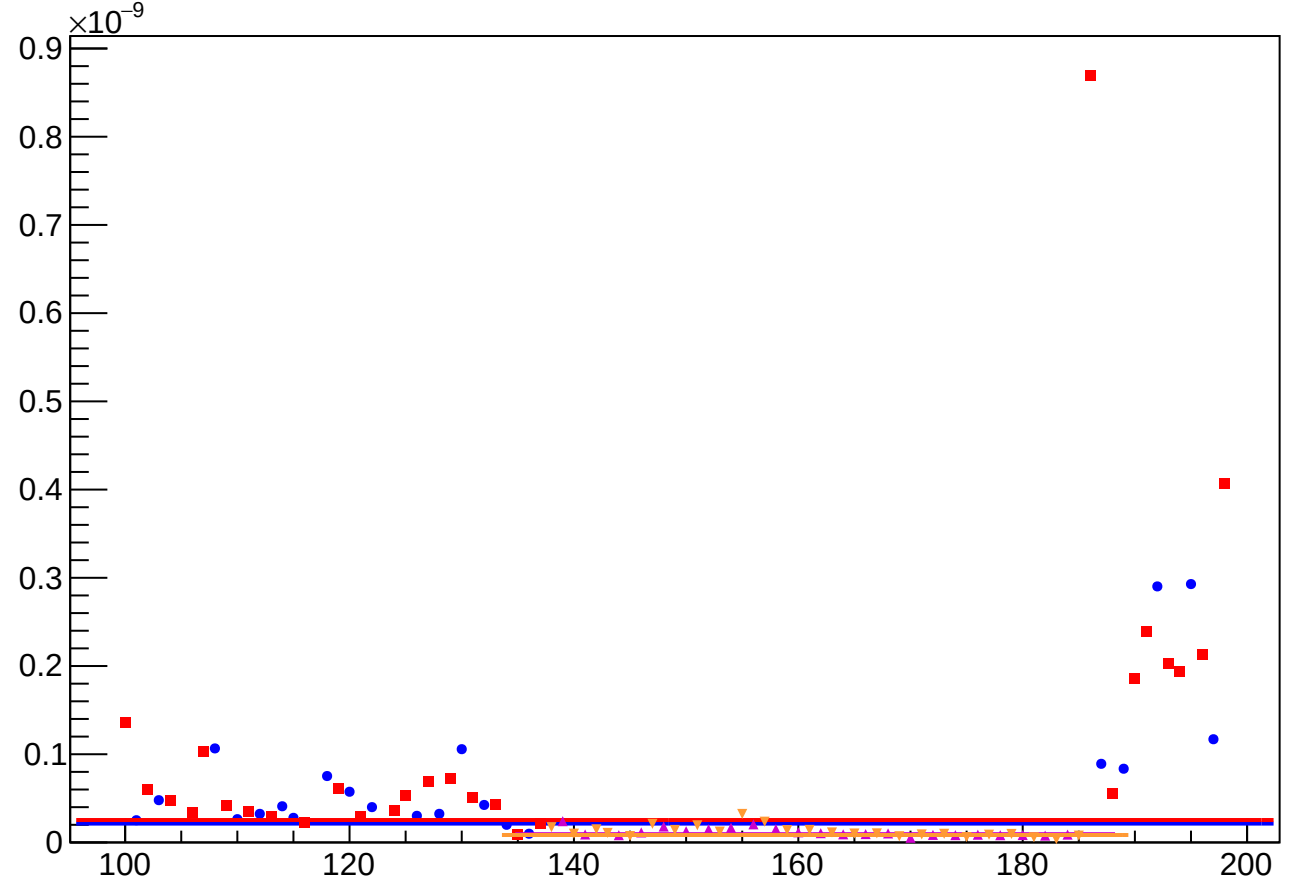
Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/26

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.7/45

All: 0.000+/-0.000 χ^2/NDF: 82.0/95

- sign 0.000+/-0.000 χ^2/NDF: 50.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 5846821.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7567398.8/26

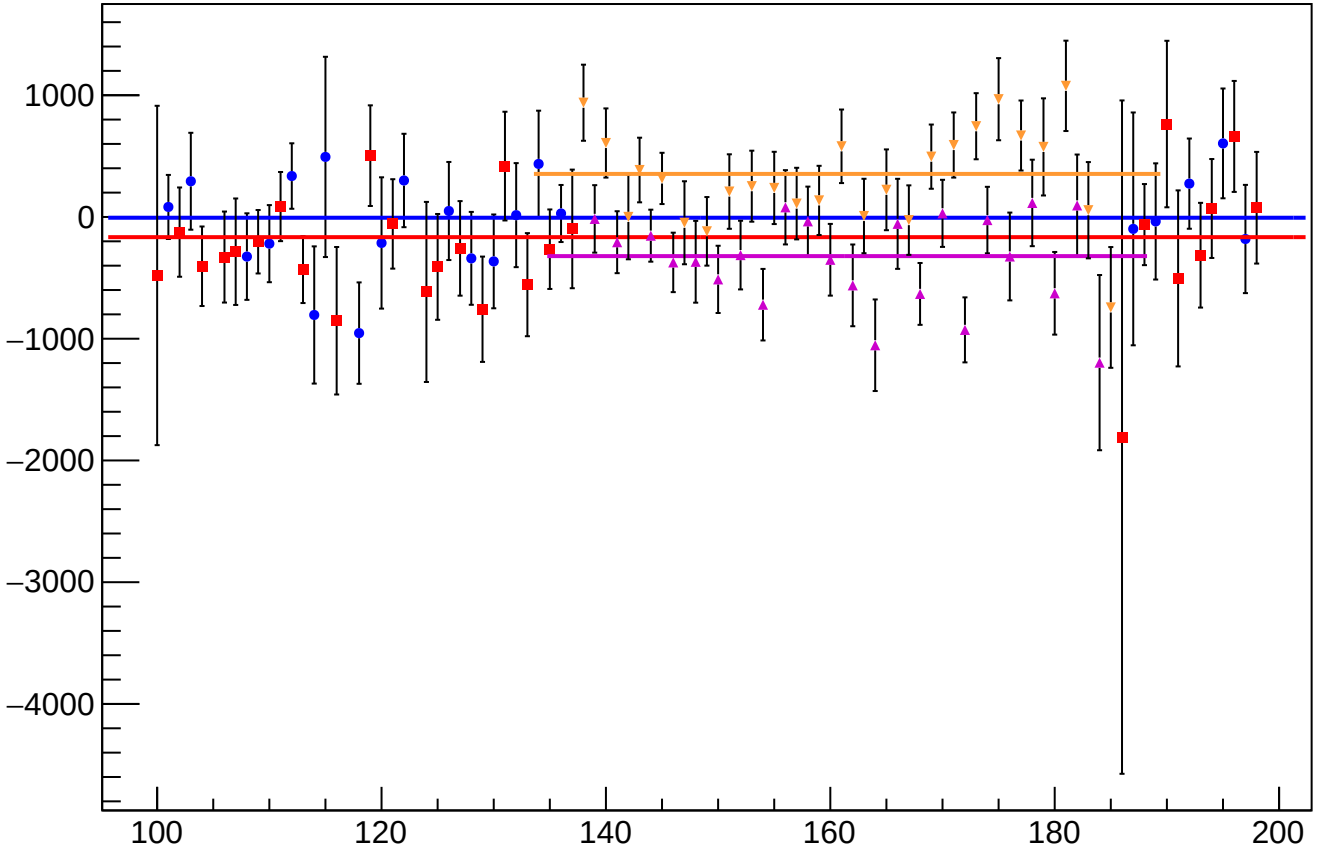
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12371095.6/45

All: 0.000+/-0.000 χ^2/NDF: 24999144.1/95

- sign 0.000+/-0.000 χ^2/NDF: 12486492.1/49

reg_asym_sam4_mean vs Slug



Right In: -6.272+/-83.182 χ^2/NDF: 17.2/20

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -165.811+/-78.175 χ^2/NDF: 18.4/26

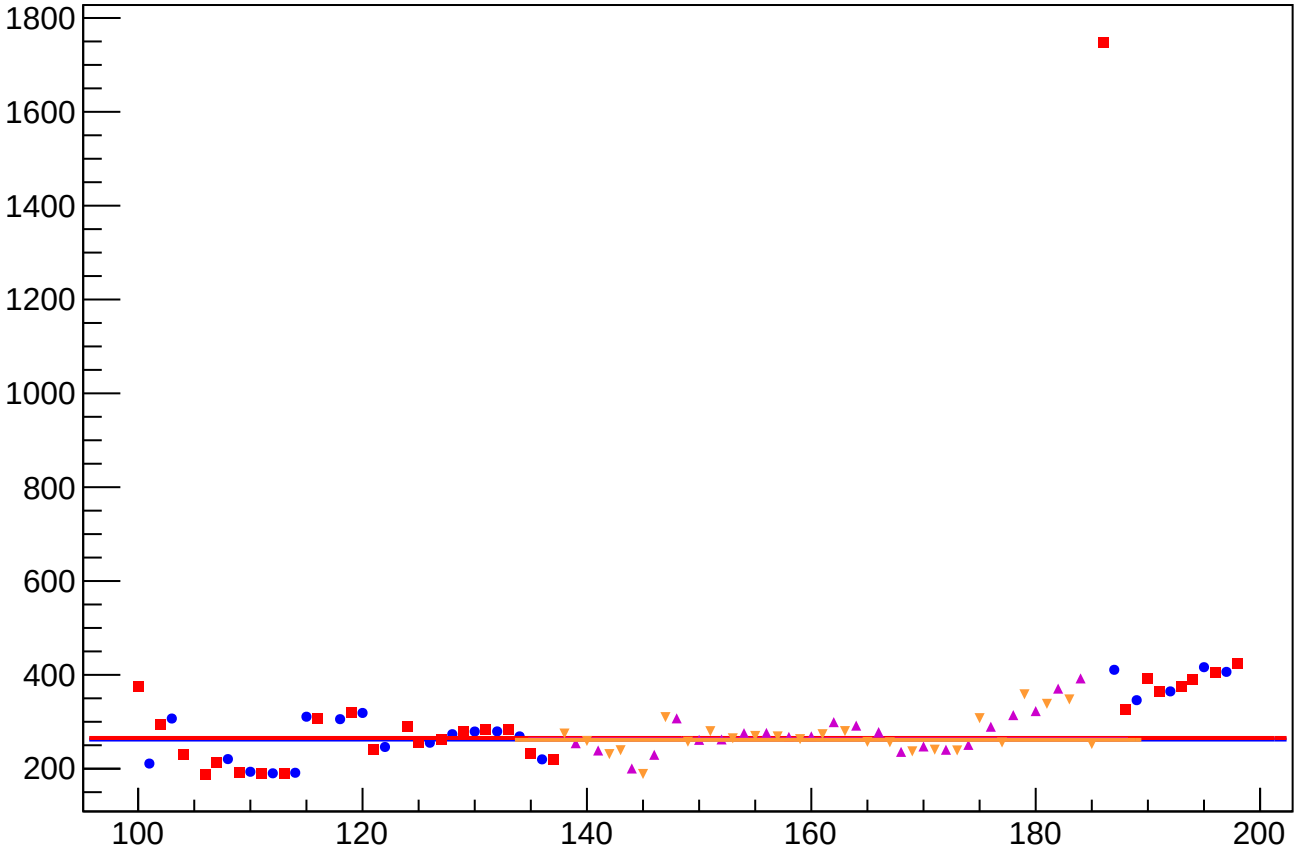
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 230.051+/-48.741 χ^2/NDF: 61.8/45

All: -16.156+/-34.426 χ^2/NDF: 159.8/95

- sign -261.256+/-48.631 χ^2/NDF: 47.1/49

reg_asym_sam4_rms vs Slug



Right In: 262.166+/-0.059 χ^2/NDF: 1234552.3/20

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 265.508+/-0.055 χ^2/NDF: 2213318.0/26

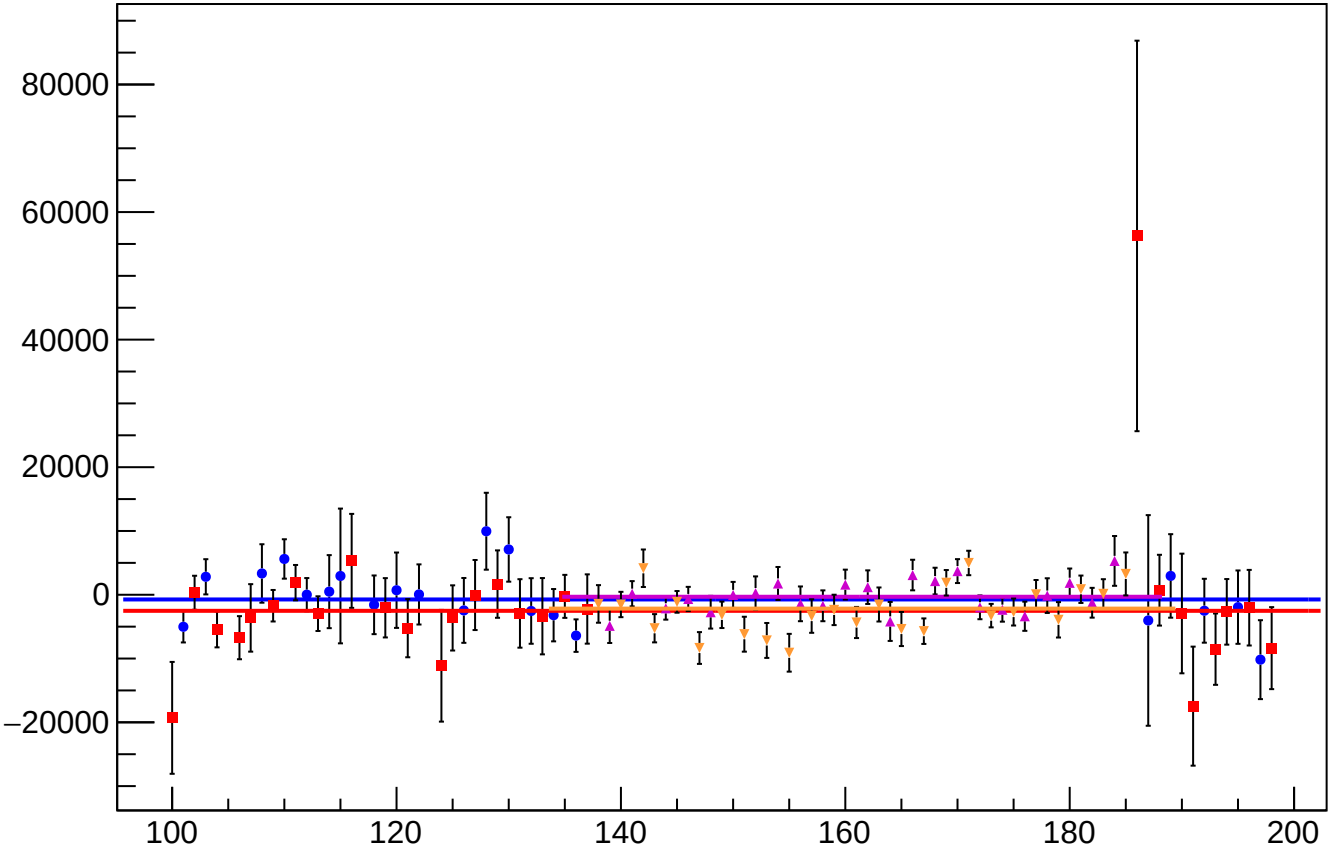
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 261.709+/-0.034 χ^2/NDF: 1950112.3/45

All: 262.724+/-0.024 χ^2/NDF: 4837486.6/95

- sign 263.735+/-0.034 χ^2/NDF: 2885642.0/49

asym_sam4_reg_correction_mean vs Slug



Right In: -736.846+/-899.037 χ^2/NDF: 24.1/20

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2519.212+/-836.369 χ^2/NDF: 22.6/26

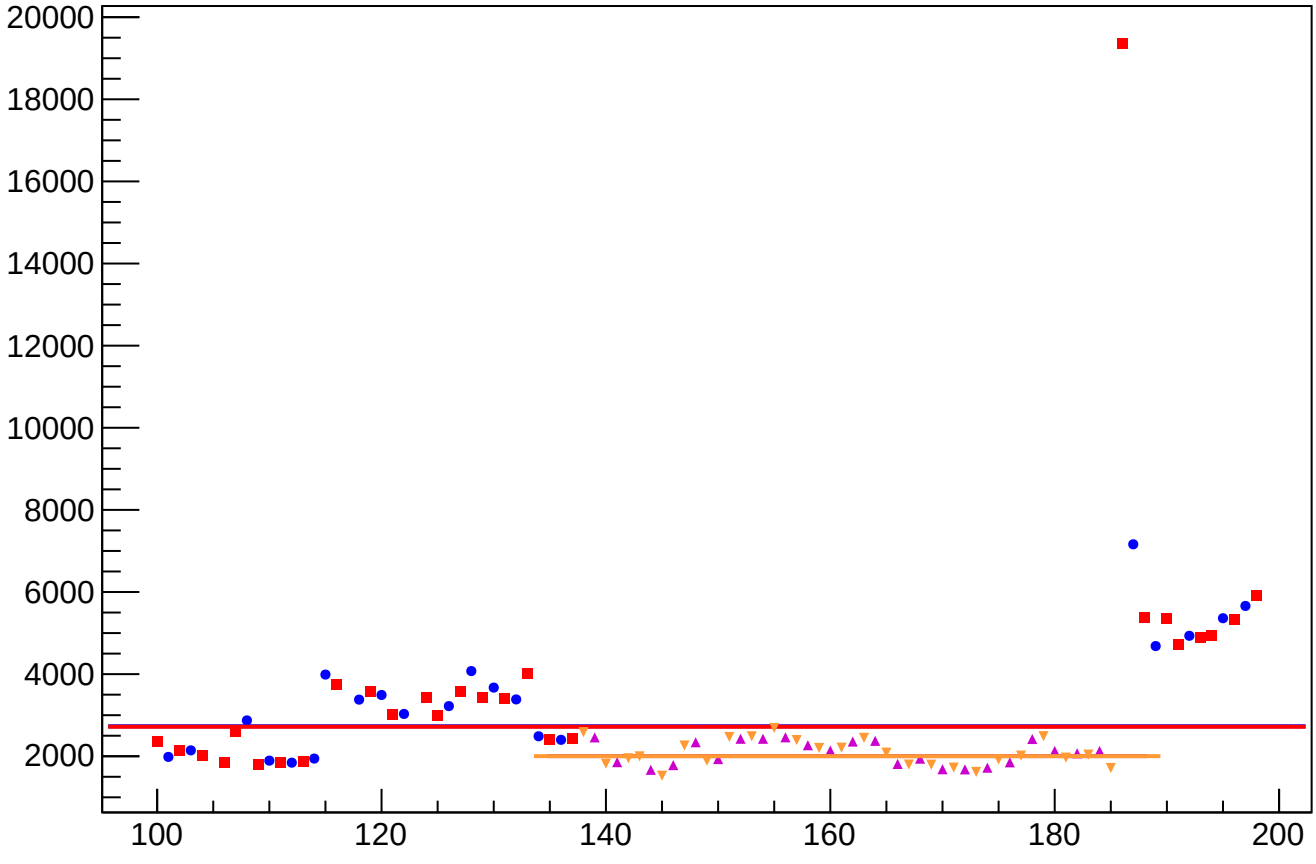
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1872.418+/-410.671 χ^2/NDF: 81.6/45

All: -1363.425+/-291.010 χ^2/NDF: 136.1/95

- sign -850.050+/-412.435 χ^2/NDF: 51.5/49

asym_sam4_reg_correction_rms vs Slug



Right In: 2729.693+/-0.636 χ^2/NDF: 2639932.7/20

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2718.417+/-0.591 χ^2/NDF: 4258255.2/26

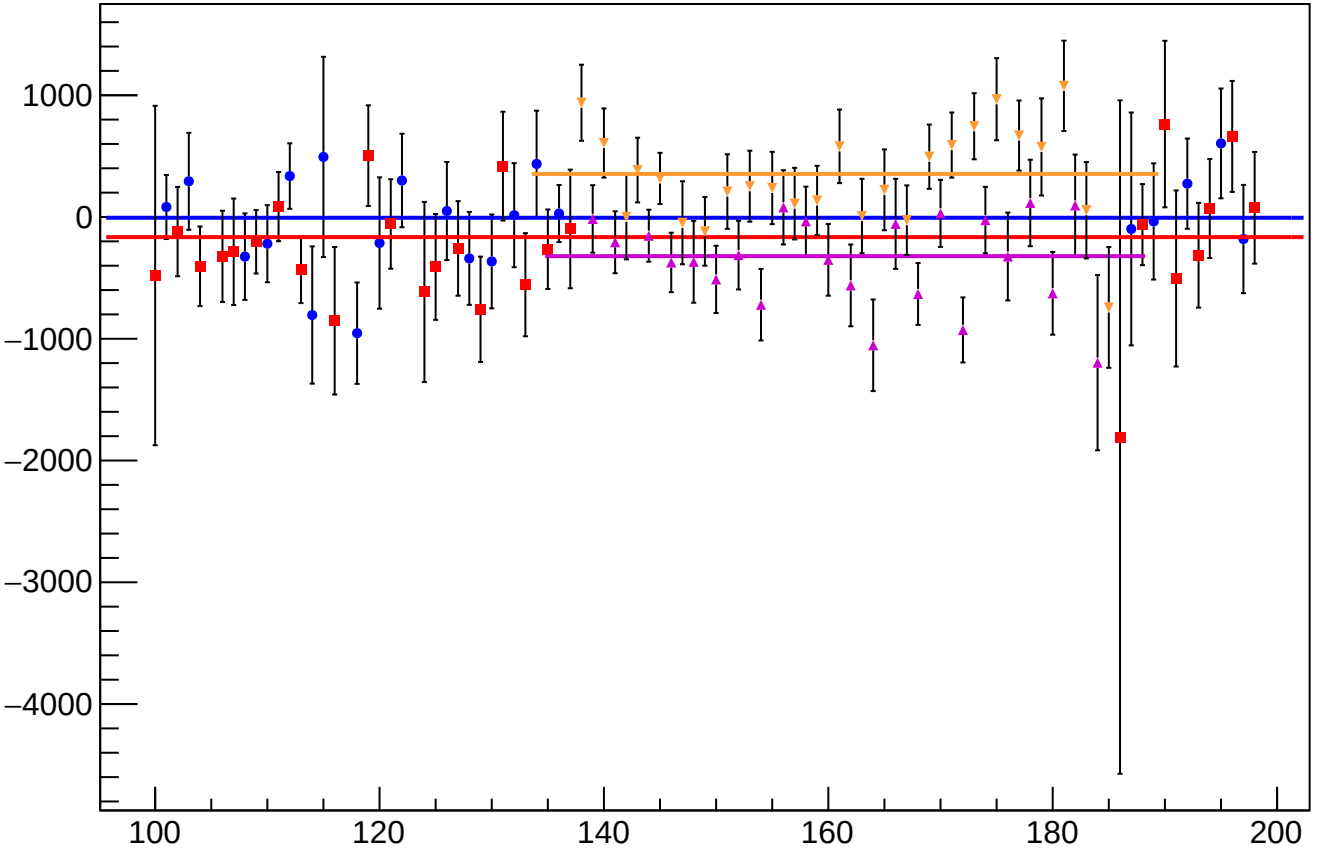
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2154.020+/-0.290 χ^2/NDF: 4568887.1/45

All: 2165.914+/-0.206 χ^2/NDF: 10639099.7/9

- sign 2177.911+/-0.292 χ^2/NDF: 6066842.5/49

cor_asym_sam4_mean vs Slug



Right In: -6.287+/-83.182 χ^2/NDF: 17.2/20

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -165.281+/-78.184 χ^2/NDF: 18.4/26

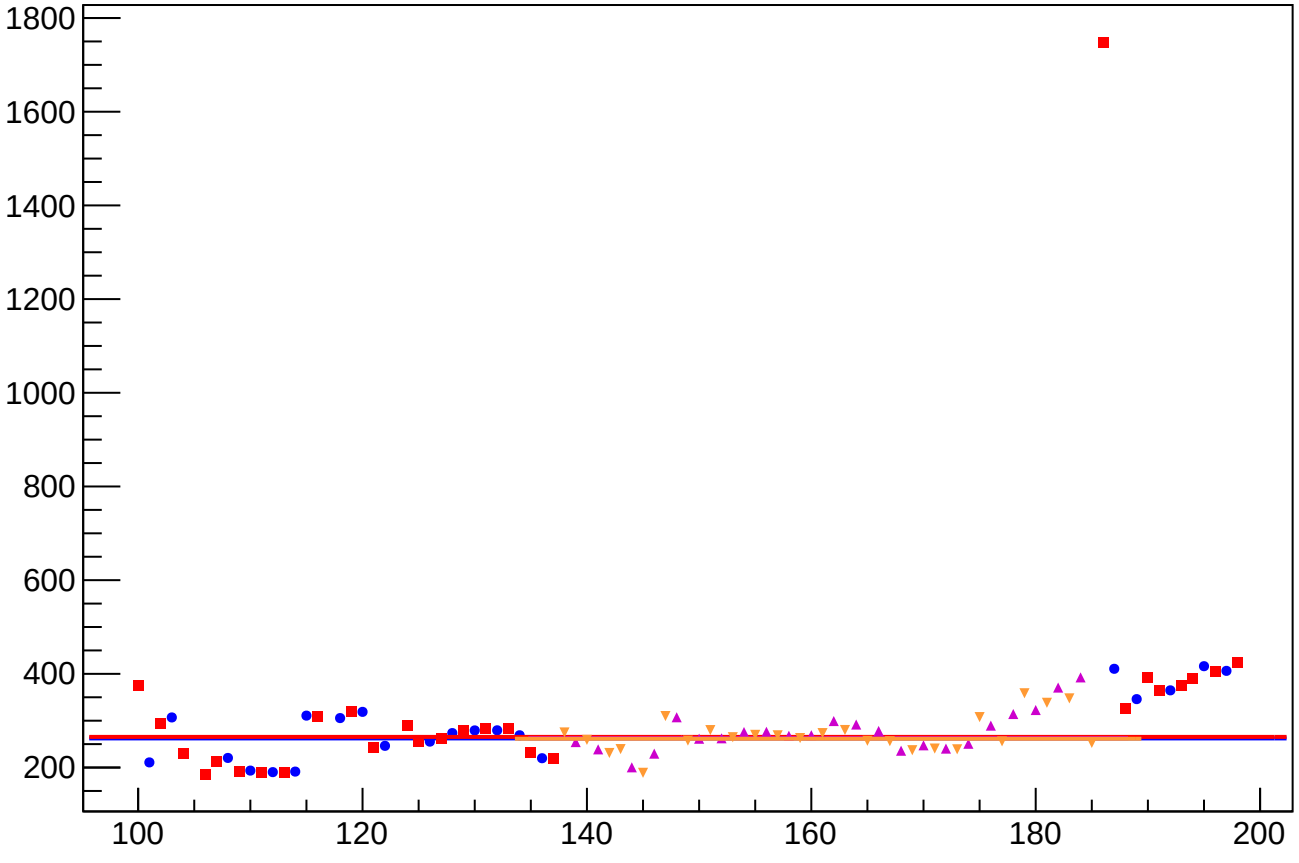
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 230.061+/-48.741 χ^2/NDF: 61.8/45

All: -16.043+/-34.427 χ^2/NDF: 159.8/95

- sign -261.063+/-48.634 χ^2/NDF: 47.1/49

cor_asym_sam4_rms vs Slug



Right In: 262.166+/-0.059 χ^2/NDF: 1234554.0/20

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 265.419+/-0.055 χ^2/NDF: 2218697.0/26

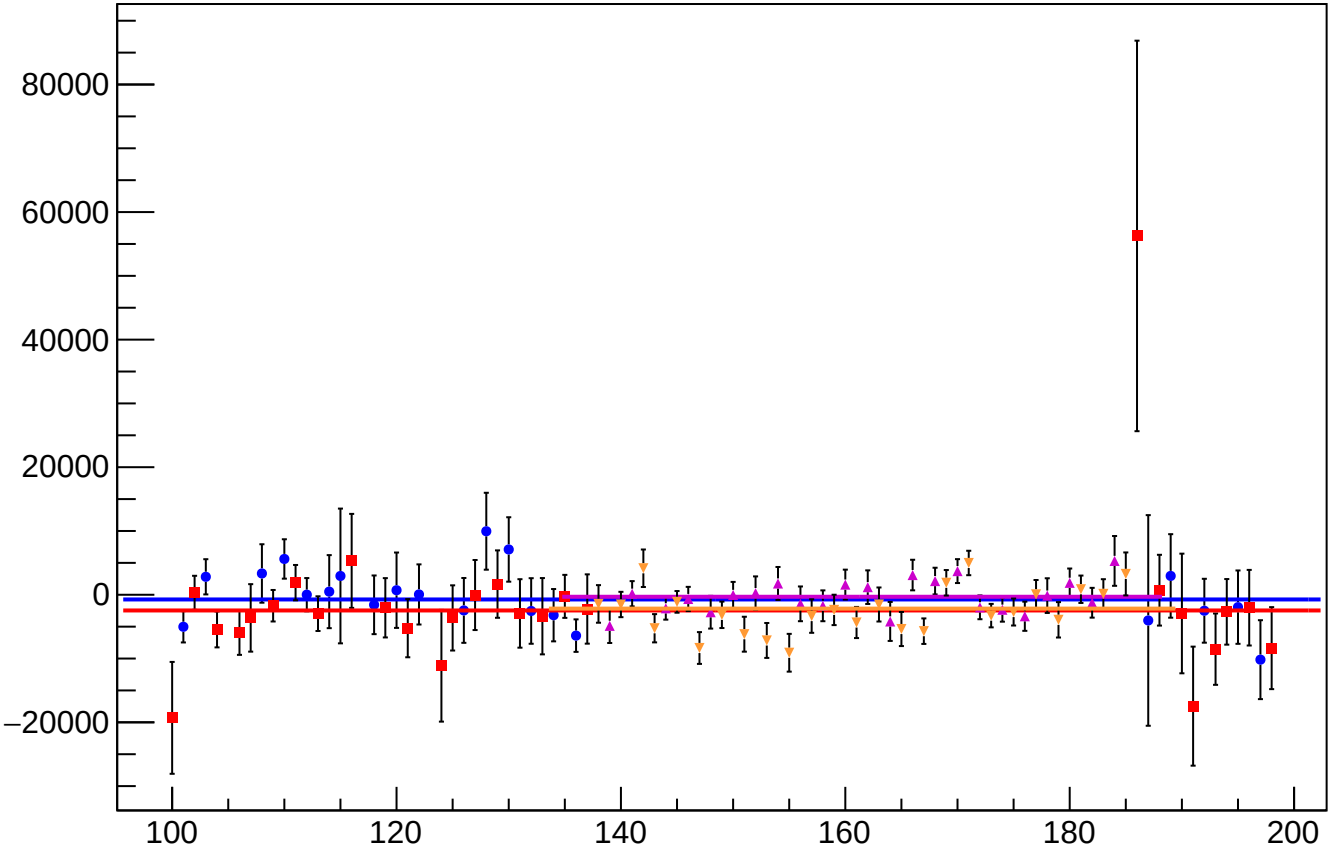
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 261.709+/-0.034 χ^2/NDF: 1950114.1/45

All: 262.707+/-0.024 χ^2/NDF: 4842707.4/95

- sign 263.701+/-0.034 χ^2/NDF: 2890919.6/49

asym_sam4_cor_correction_mean vs Slug



Right In: -737.004+/-899.044 χ^2/NDF: 24.1/20

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2461.450+/-837.752 χ^2/NDF: 22.0/26

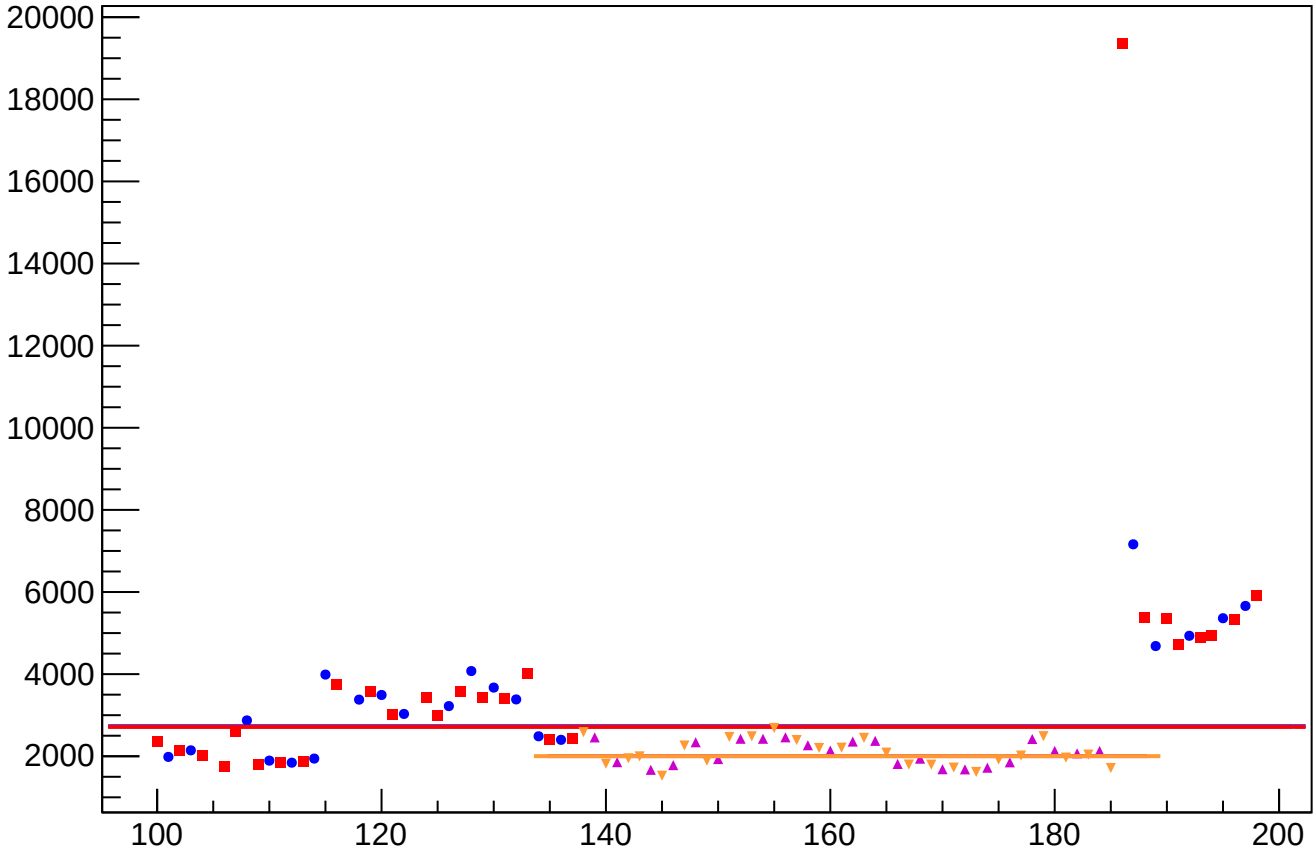
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1872.432+/-410.672 χ^2/NDF: 81.6/45

All: -1355.999+/-291.068 χ^2/NDF: 135.4/95

- sign -834.703+/-412.601 χ^2/NDF: 50.6/49

asym_sam4_cor_correction_rms vs Slug



Right In: 2729.720+/-0.636 χ^2/NDF: 2639868.5/20

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2714.841+/-0.592 χ^2/NDF: 4285093.5/26

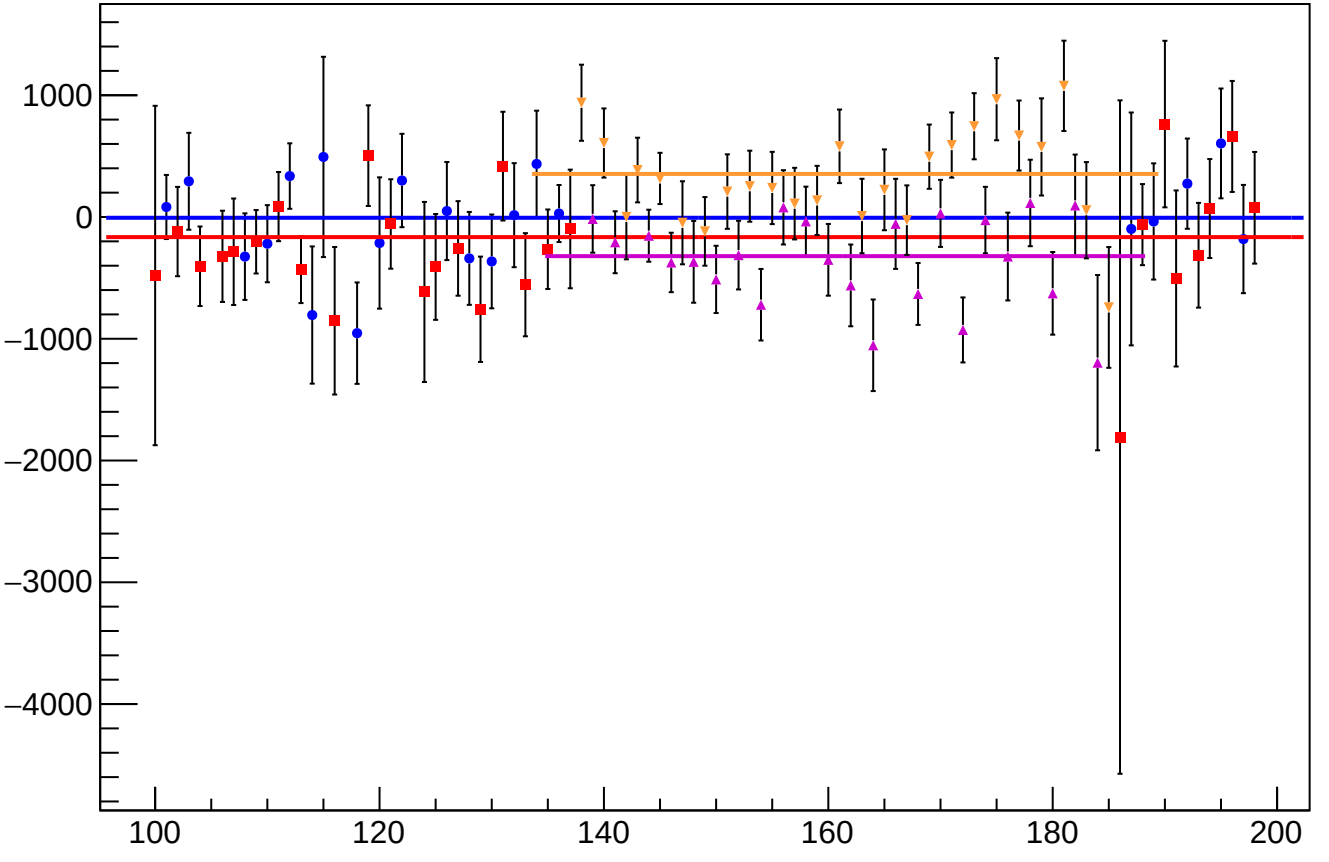
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2154.023+/-0.290 χ^2/NDF: 4568884.7/45

All: 2165.264+/-0.206 χ^2/NDF: 10651817.6/9

- sign 2176.610+/-0.292 χ^2/NDF: 6079922.1/49

eigen_cor_asym_sam4_mean vs Slug



Right In: -6.287+/-83.182 χ^2/NDF: 17.2/20

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -165.281+/-78.184 χ^2/NDF: 18.4/26

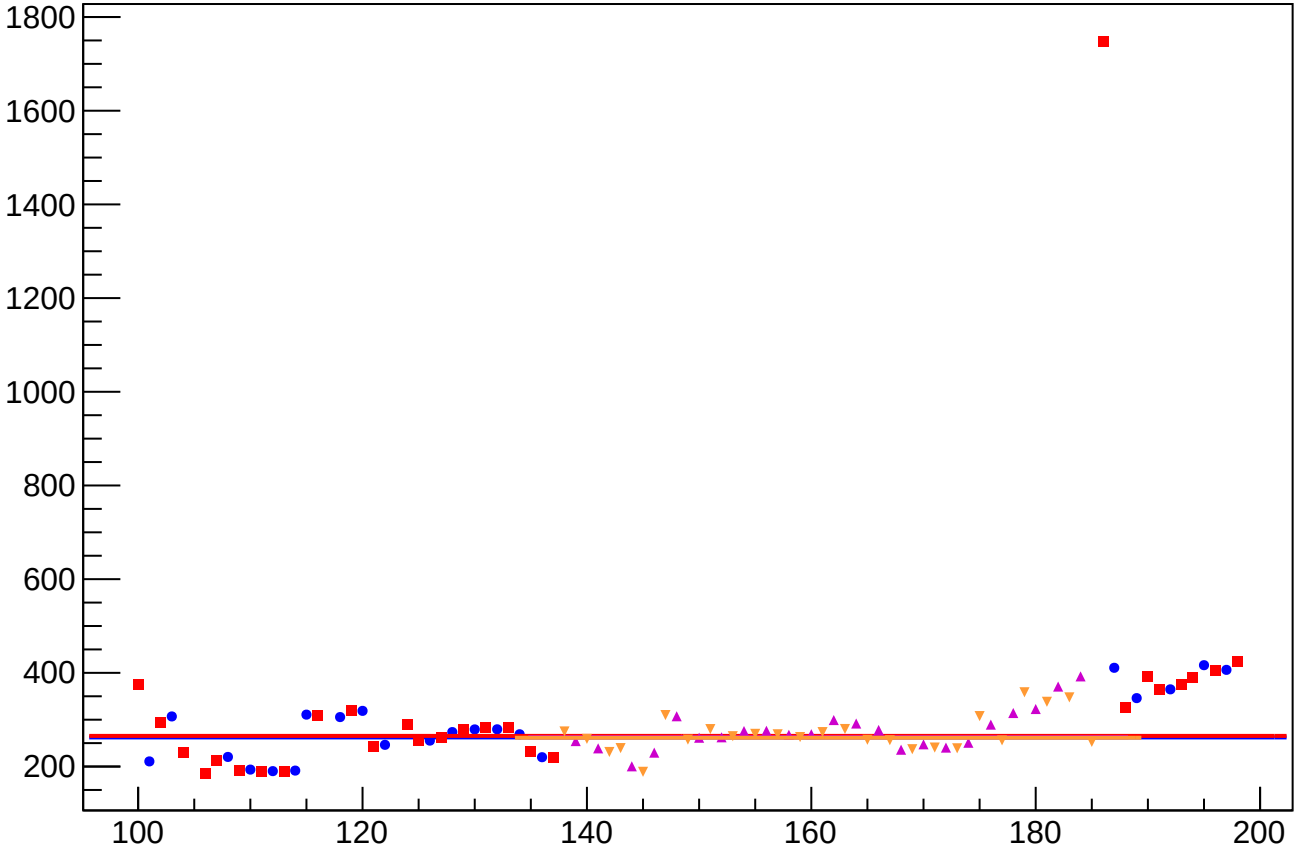
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 230.061+/-48.741 χ^2/NDF: 61.8/45

All: -16.043+/-34.427 χ^2/NDF: 159.8/95

- sign -261.063+/-48.634 χ^2/NDF: 47.1/49

eigen_cor_asym_sam4_rms vs Slug



Right In: 262.166+/-0.059 χ^2/NDF: 1234554.0/20

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 265.419+/-0.055 χ^2/NDF: 2218697.0/26

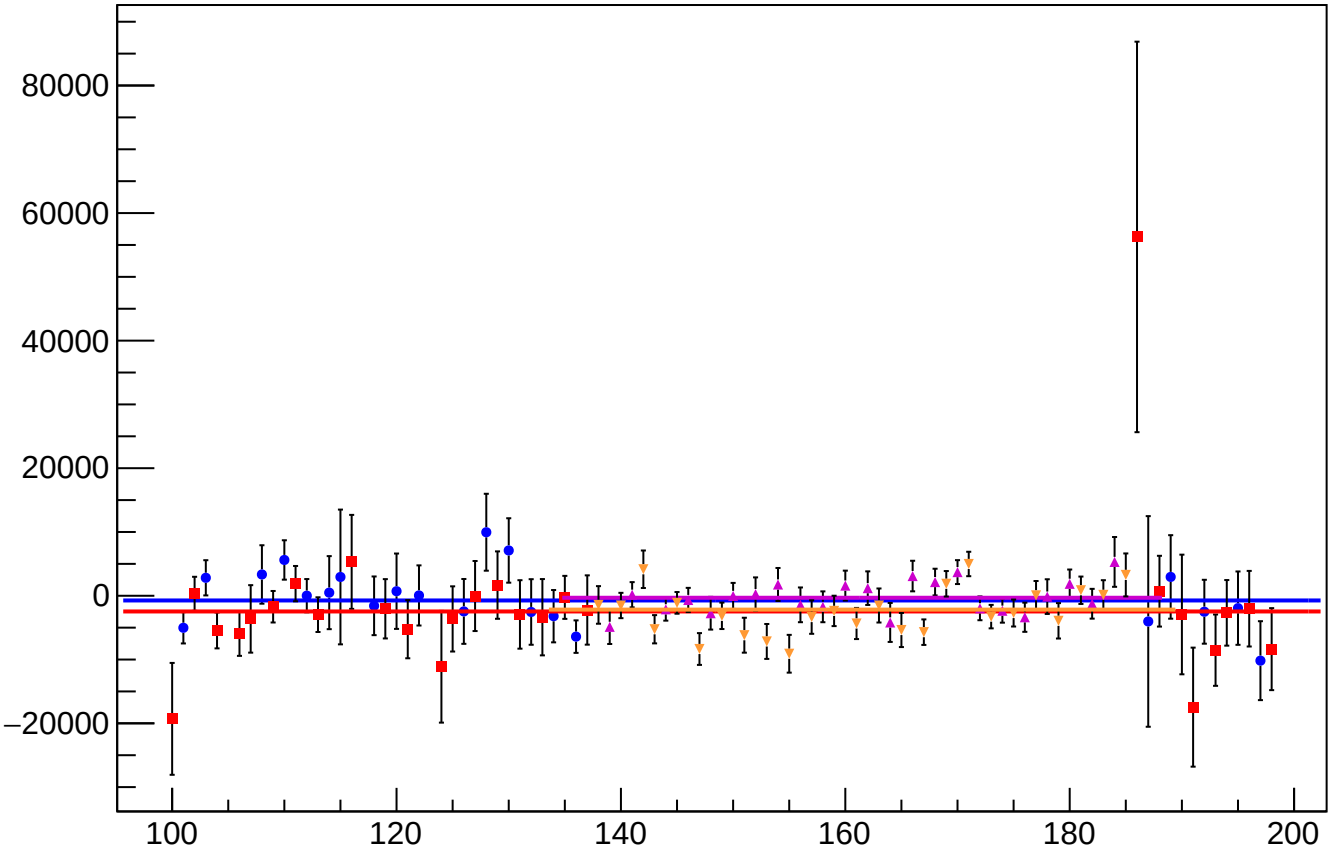
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 261.709+/-0.034 χ^2/NDF: 1950114.1/45

All: 262.707+/-0.024 χ^2/NDF: 4842707.4/95

- sign 263.701+/-0.034 χ^2/NDF: 2890919.6/49

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -737.004+/-899.044 χ^2/NDF: 24.1/20

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2461.450+/-837.752 χ^2/NDF: 22.0/26

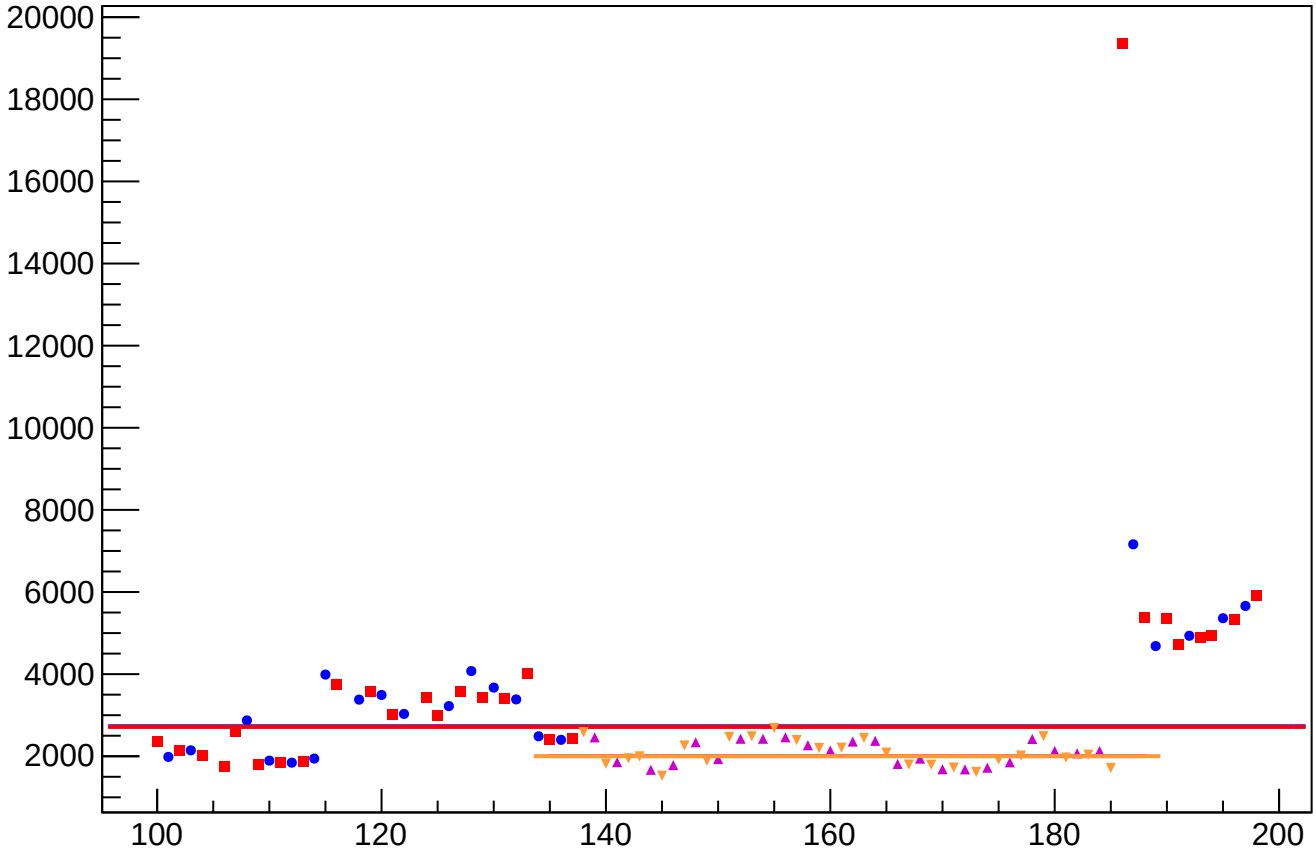
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1872.432+/-410.672 χ^2/NDF: 81.6/45

All: -1355.999+/-291.068 χ^2/NDF: 135.4/95

- sign -834.703+/-412.601 χ^2/NDF: 50.6/49

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2729.720+/-0.636 χ^2/NDF: 2639868.5/20

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2714.841+/-0.592 χ^2/NDF: 4285093.5/26

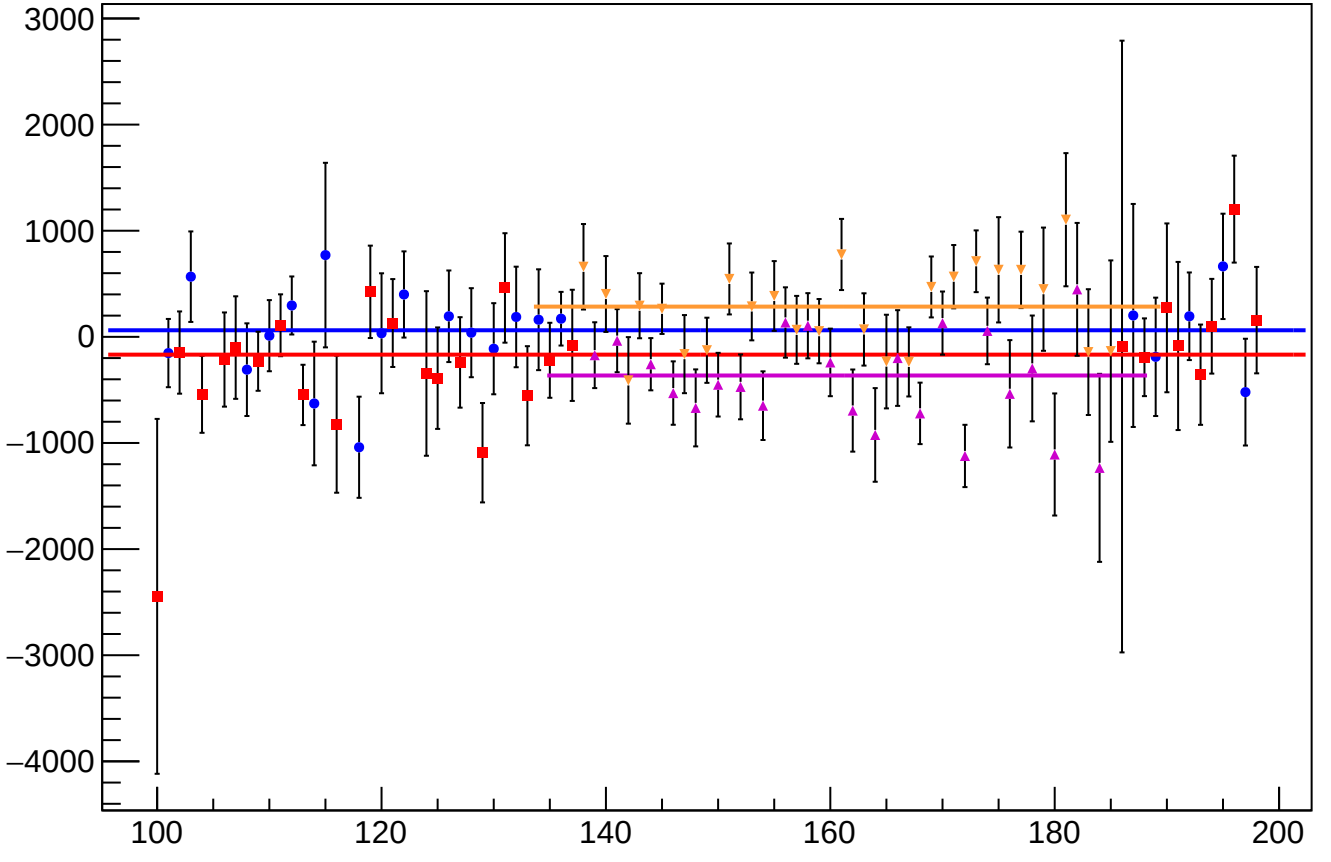
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2154.023+/-0.290 χ^2/NDF: 4568884.7/45

All: 2165.264+/-0.206 χ^2/NDF: 10651817.6/9

- sign 2176.610+/-0.292 χ^2/NDF: 6079922.1/49

dit_asym_sam4_mean vs Slug



Right In: 62.045+/-91.455 χ^2/NDF: 15.1/20

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -167.635+/-84.874 χ^2/NDF: 24.2/26

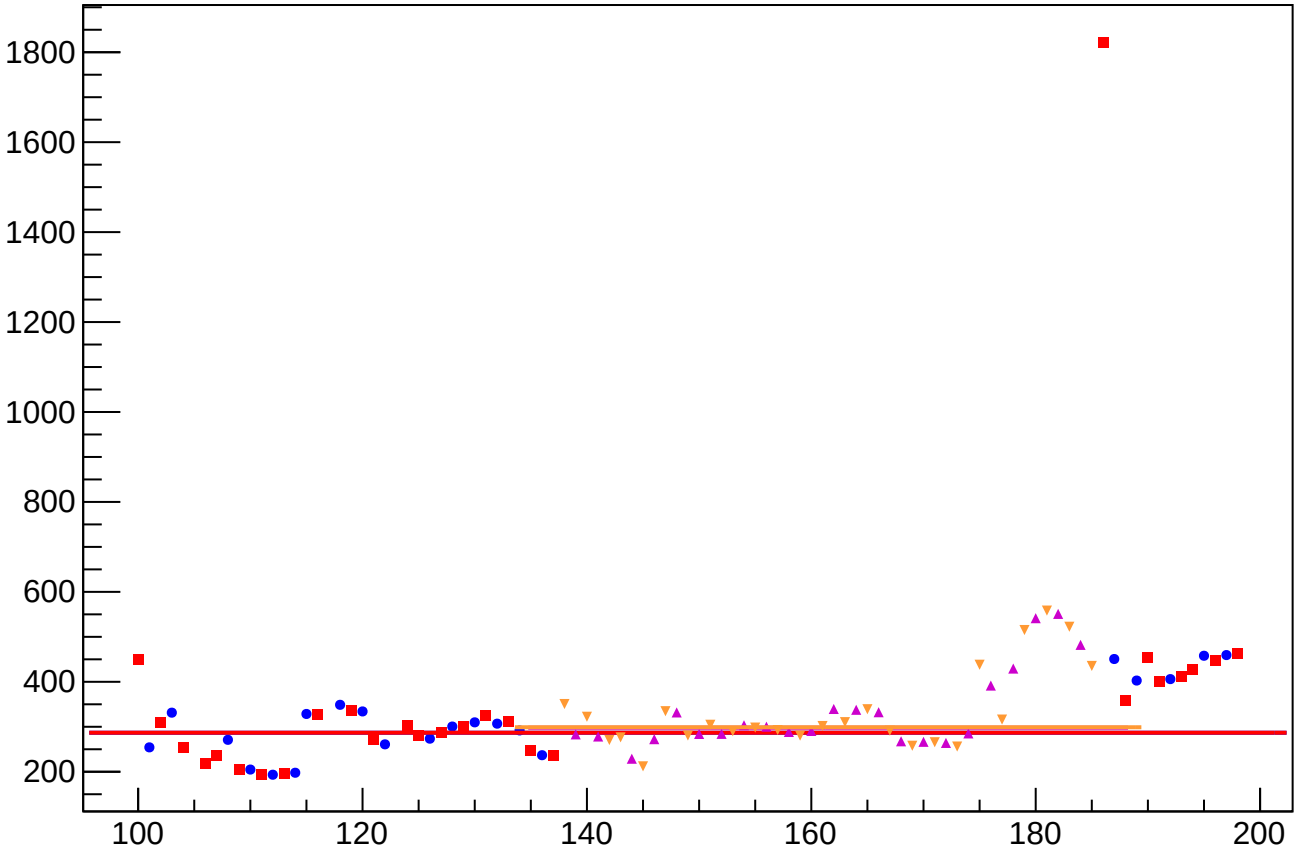
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 202.527+/-55.604 χ^2/NDF: 41.7/45

All: -43.517+/-39.023 χ^2/NDF: 135.8/95

- sign -282.300+/-54.778 χ^2/NDF: 55.5/49

dit_asym_sam4_rms vs Slug



Right In: 286.690+/-0.065 χ^2/NDF: 1372356.6/20

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 286.805+/-0.060 χ^2/NDF: 2356681.4/26

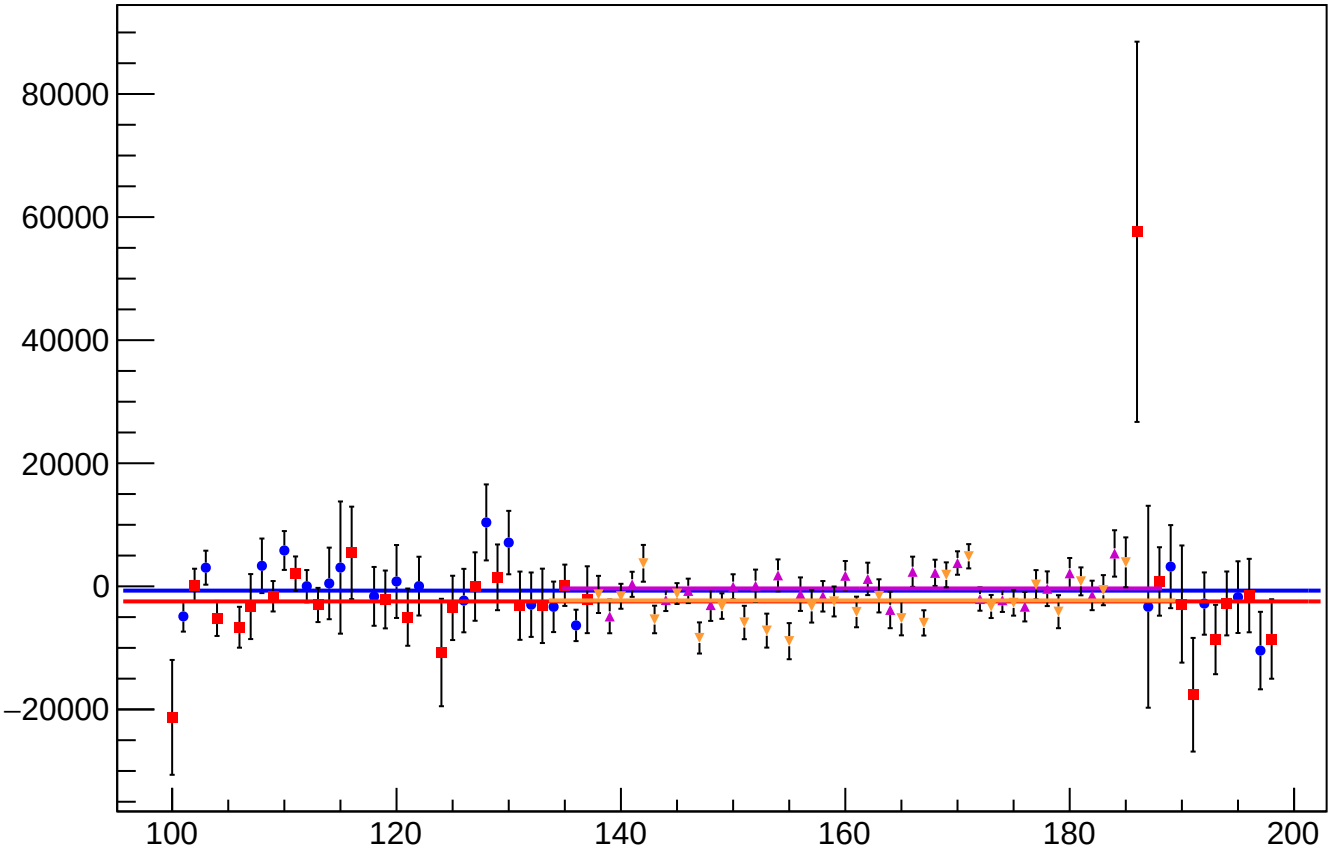
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 294.410+/-0.039 χ^2/NDF: 3008043.4/45

All: 293.832+/-0.028 χ^2/NDF: 6704099.8/95

- sign 293.270+/-0.039 χ^2/NDF: 3695629.5/49

asym_sam4_dit_correction_mean vs Slug



Right In: -695.113+/-907.003 χ^2/NDF: 24.2/20

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2449.108+/-842.659 χ^2/NDF: 23.0/26

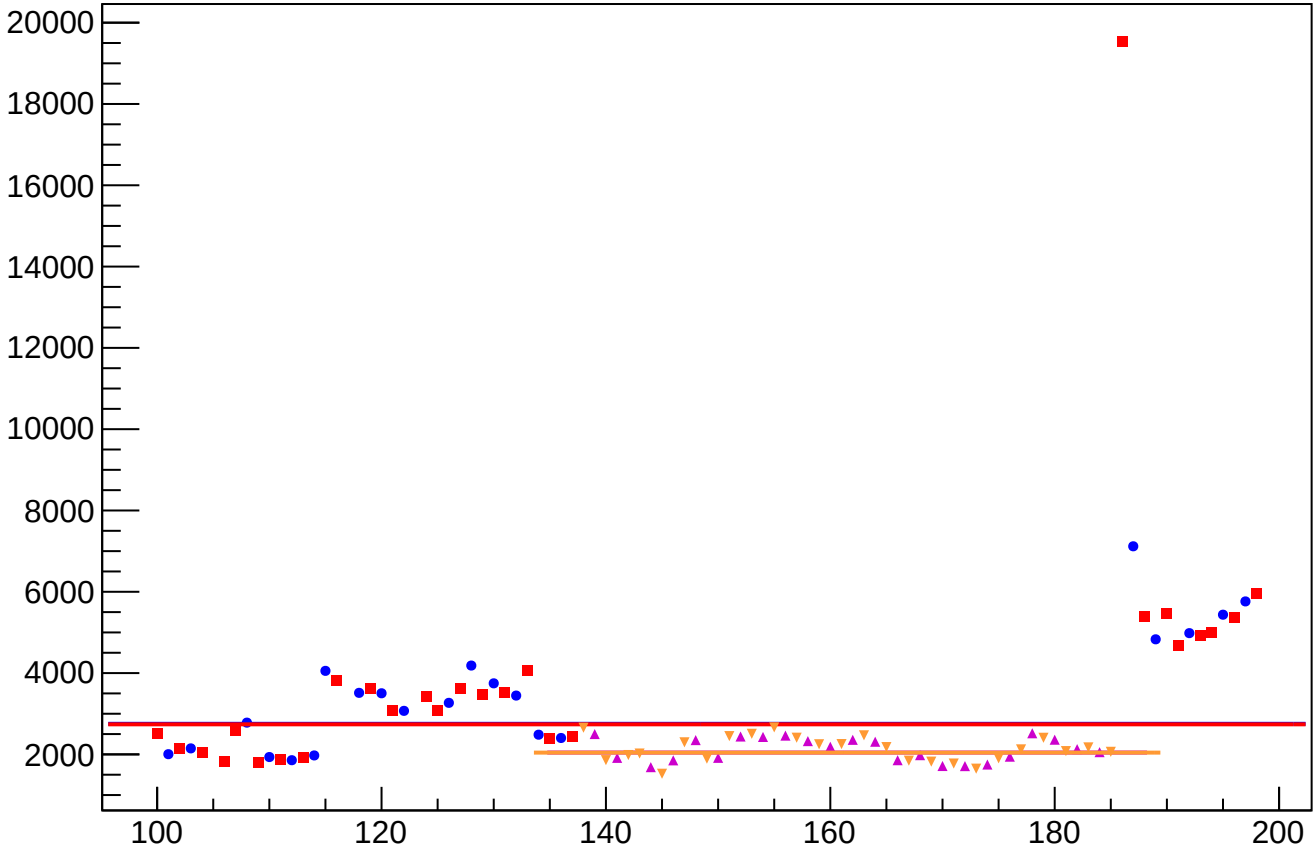
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1952.589+/-417.663 χ^2/NDF: 78.3/45

All: -1410.862+/-295.958 χ^2/NDF: 132.3/95

- sign -864.518+/-419.439 χ^2/NDF: 50.6/49

asym_sam4_dit_correction_rms vs Slug



Right In: 2752.017+/-0.641 χ^2/NDF: 2687346.6/20

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2739.408+/-0.596 χ^2/NDF: 4280910.6/26

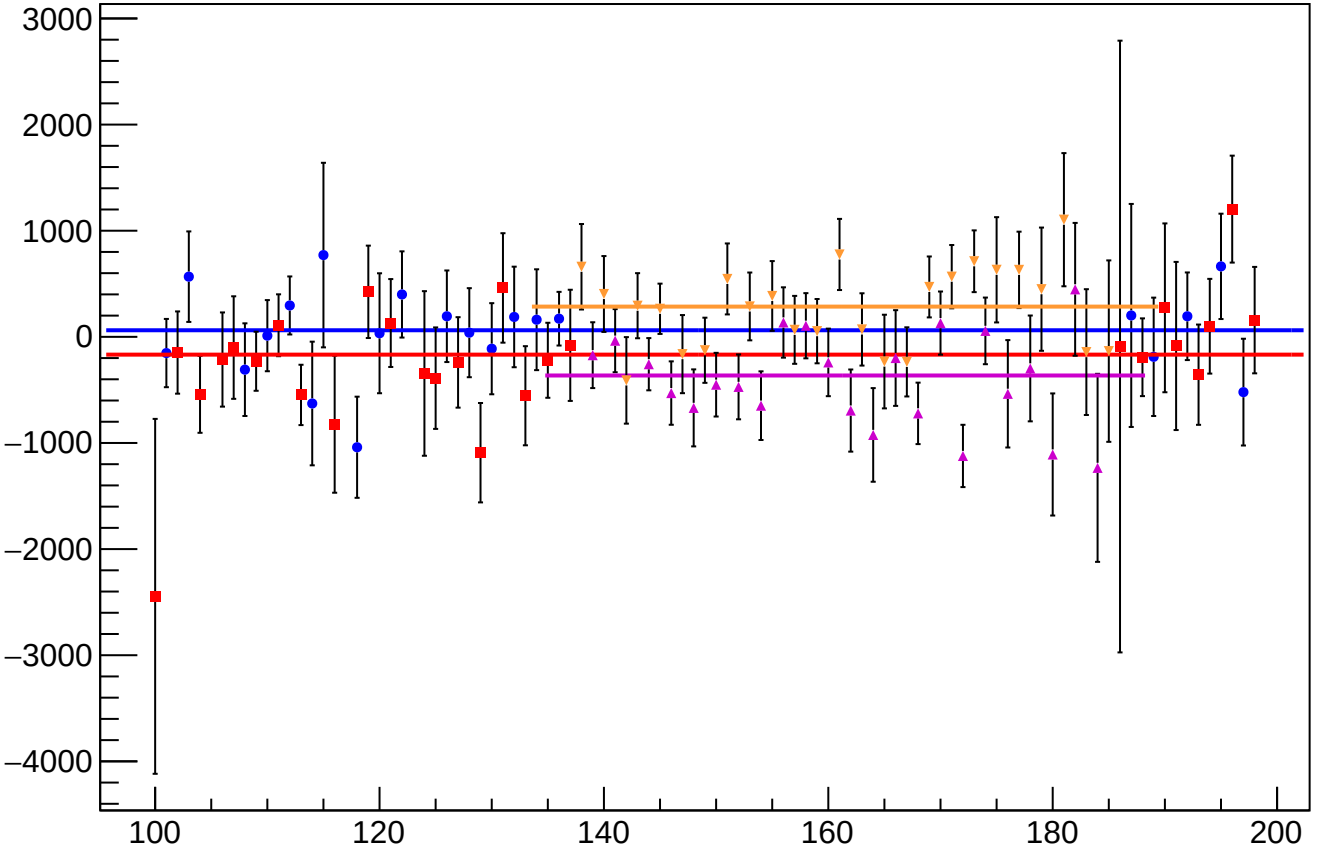
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2193.933+/-0.295 χ^2/NDF: 4501712.1/45

All: 2205.508+/-0.209 χ^2/NDF: 10497075.1/9

- sign 2217.181+/-0.297 χ^2/NDF: 5992277.8/49

eigen_dit_asym_sam4_mean vs Slug



Right In: 62.049+/-91.455 χ^2/NDF: 15.1/20

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -167.634+/-84.874 χ^2/NDF: 24.2/26

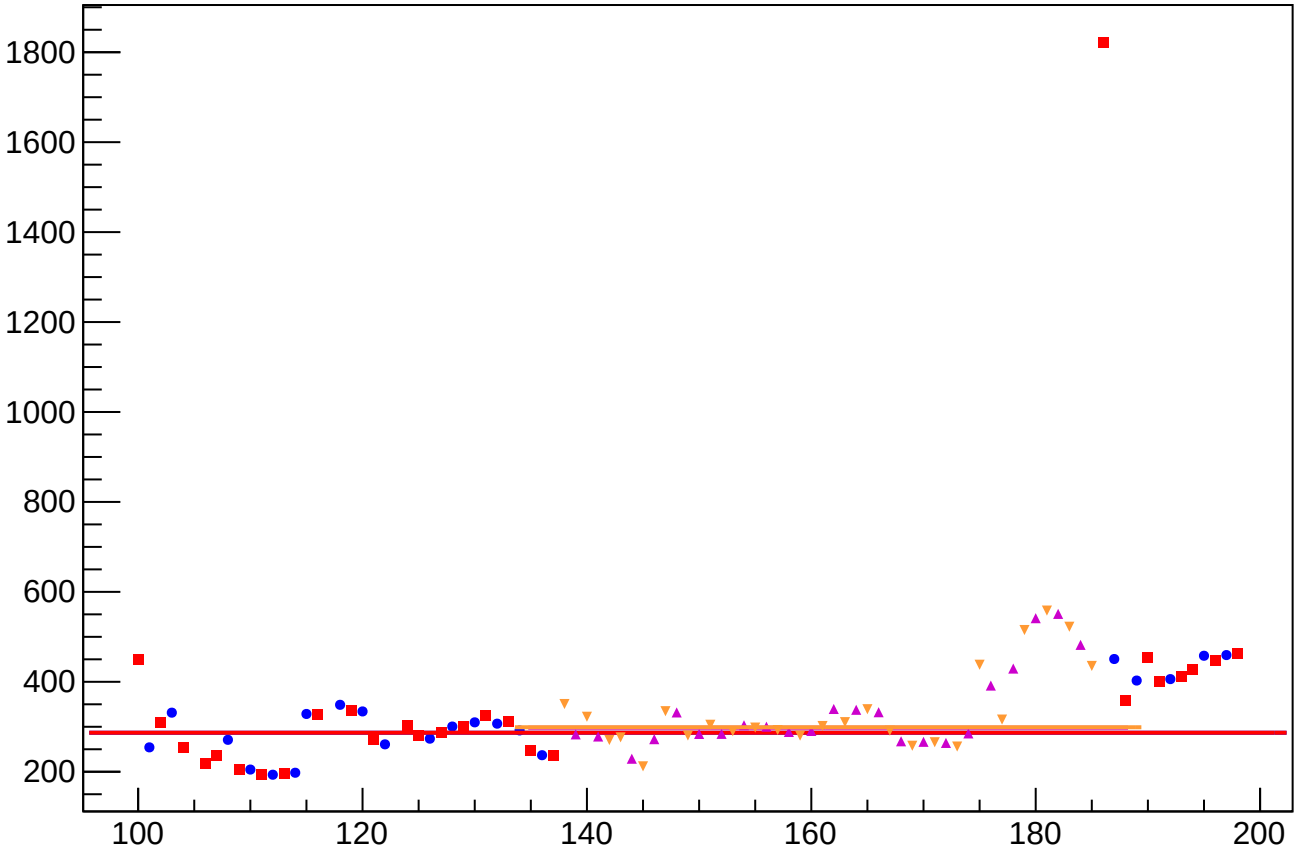
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 202.531+/-55.604 χ^2/NDF: 41.7/45

All: -43.515+/-39.023 χ^2/NDF: 135.8/95

- sign -282.300+/-54.778 χ^2/NDF: 55.5/49

eigen_dit_asym_sam4_rms vs Slug



Right In: 286.690+/-0.065 χ^2/NDF: 1372351.9/20

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 286.805+/-0.060 χ^2/NDF: 2356682.3/26

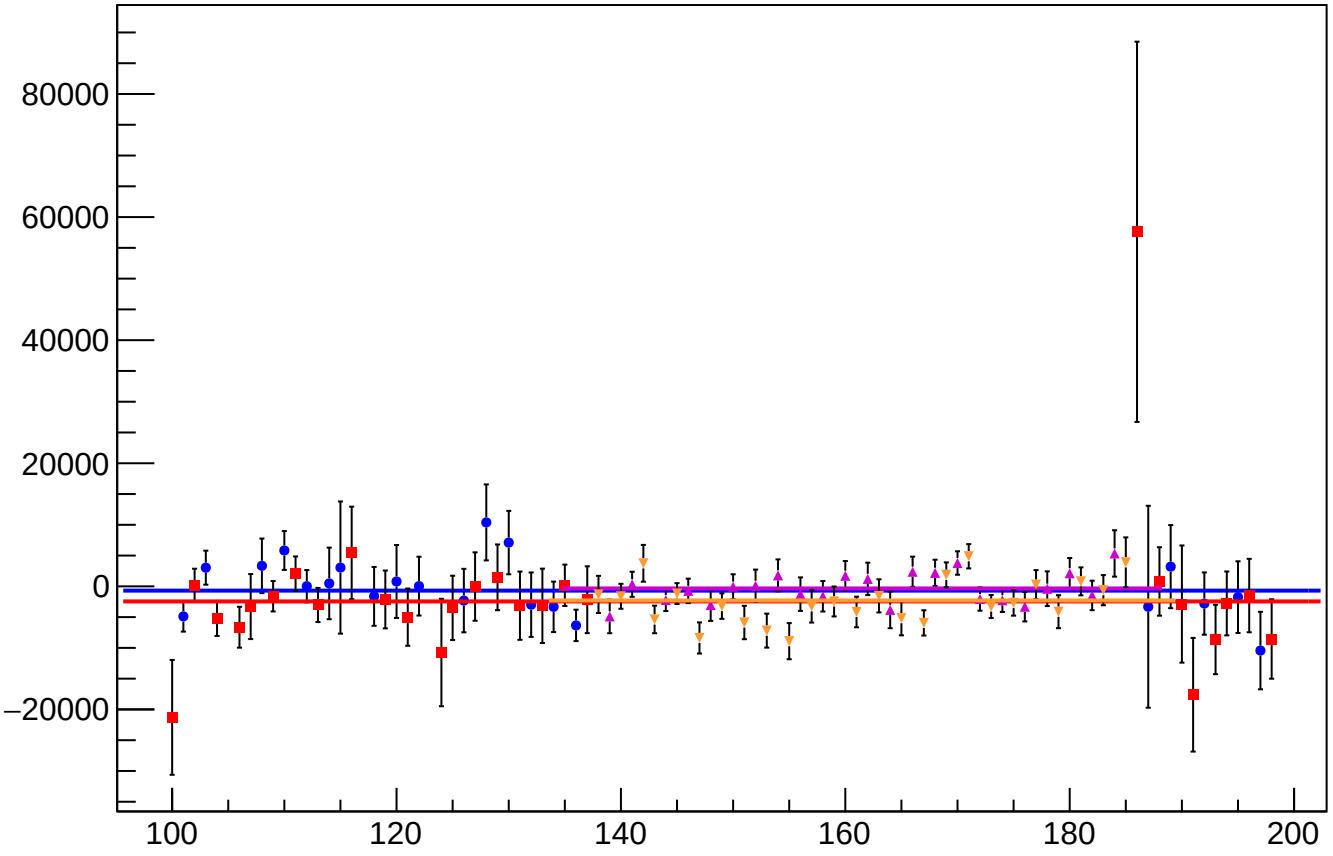
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 294.411+/-0.039 χ^2/NDF: 3008036.9/45

All: 293.832+/-0.028 χ^2/NDF: 6704076.9/95

- sign 293.270+/-0.039 χ^2/NDF: 3695613.0/49

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -695.112+/-907.002 χ^2/NDF: 24.2/20

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2449.106+/-842.658 χ^2/NDF: 23.0/26

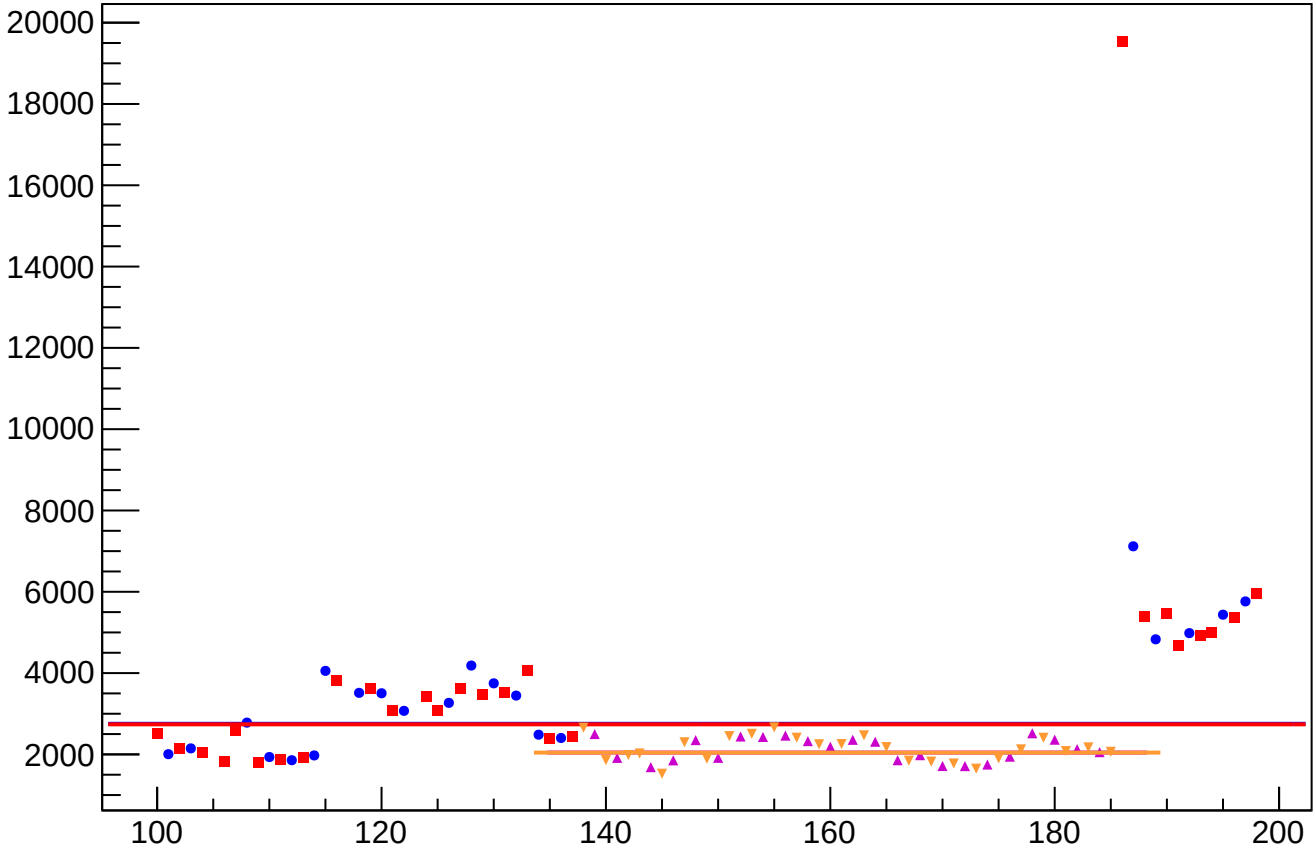
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1952.585+/-417.662 χ^2/NDF: 78.3/45

All: -1410.858+/-295.958 χ^2/NDF: 132.3/95

- sign -864.515+/-419.438 χ^2/NDF: 50.6/49

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2752.015+/-0.641 χ^2/NDF: 2687348.1/20

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2739.406+/-0.596 χ^2/NDF: 4280907.9/26

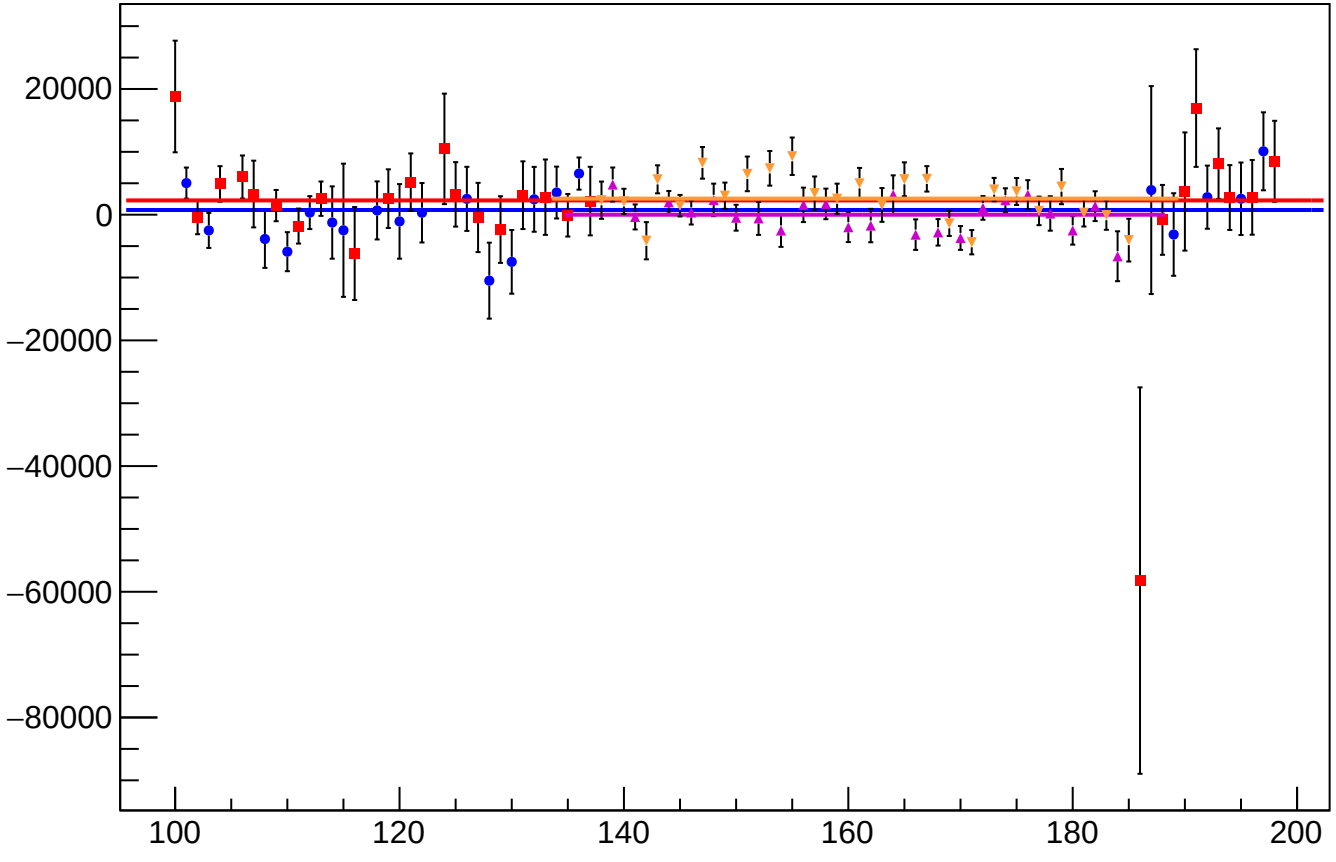
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2193.930+/-0.295 χ^2/NDF: 4501721.0/45

All: 2205.505+/-0.209 χ^2/NDF: 10497084.5/9

- sign 2217.179+/-0.297 χ^2/NDF: 5992278.2/49

asym_sam4_mean vs Slug



Right In: 747.855+/-903.817 χ^2/NDF: 25.1/20

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2272.098+/-841.193 χ^2/NDF: 21.7/26

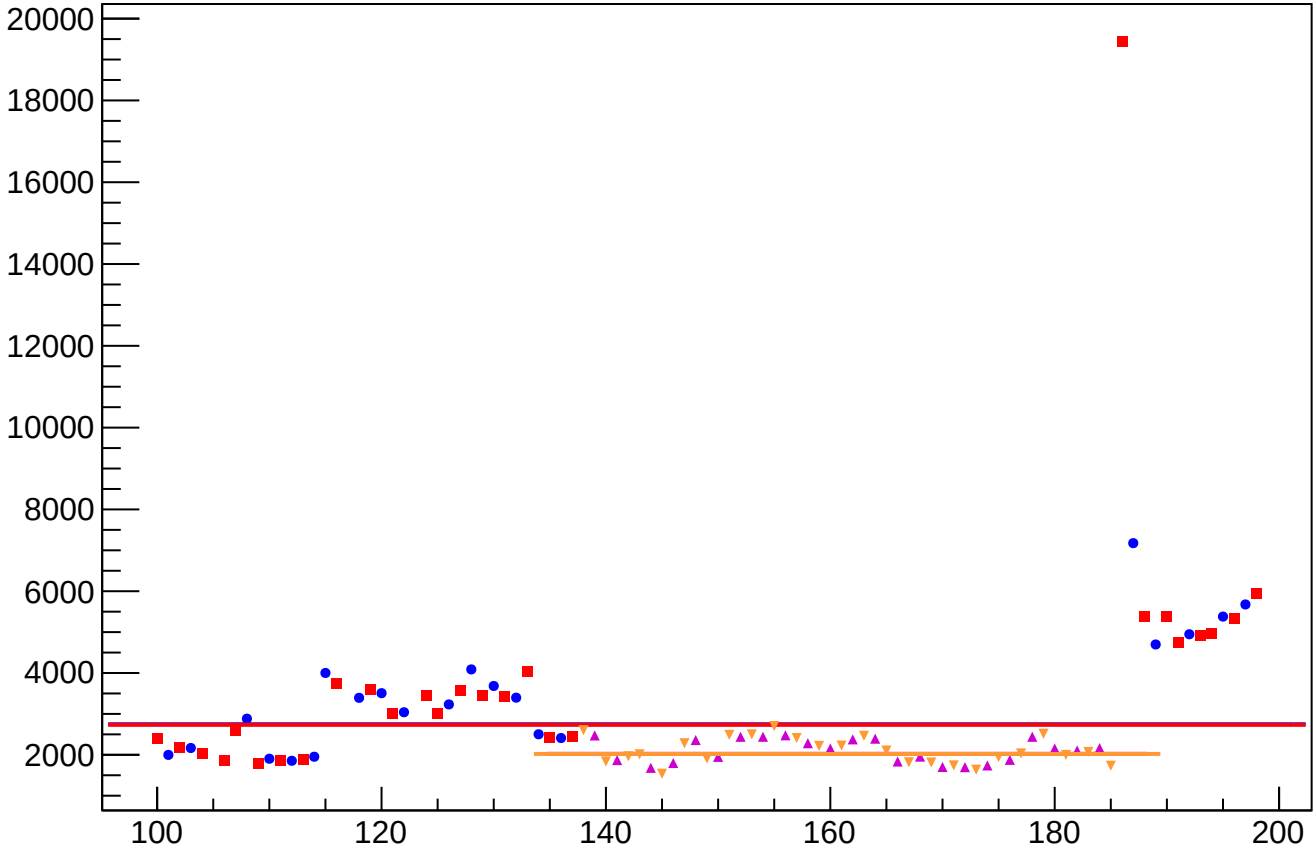
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2178.757+/-414.149 χ^2/NDF: 81.0/45

All: 1369.291+/-293.474 χ^2/NDF: 140.5/95

- sign 552.858+/-415.927 χ^2/NDF: 51.9/49

asym_sam4_rms vs Slug



Right In: 2745.625+/-0.639 χ^2/NDF: 2621768.0/20

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2735.253+/-0.595 χ^2/NDF: 4232697.3/26

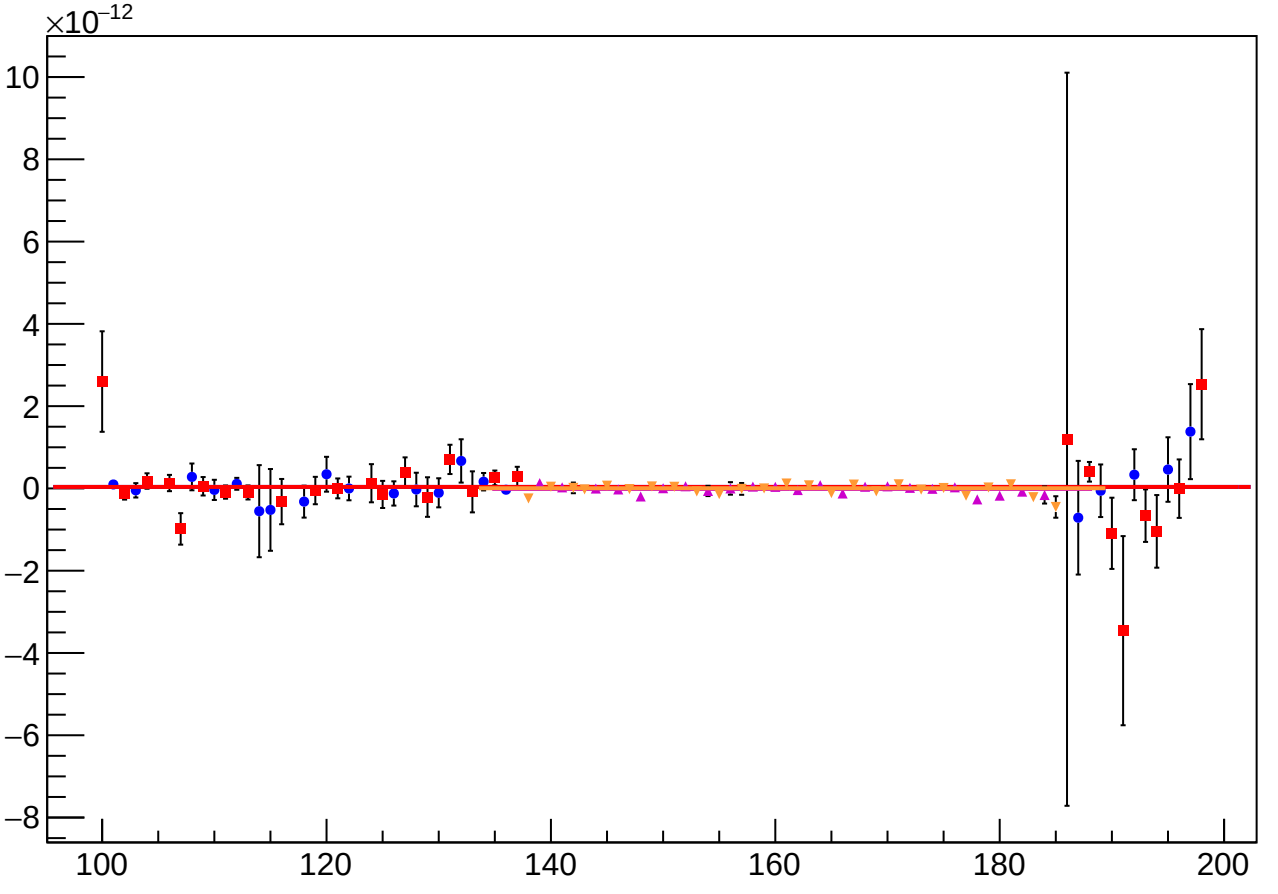
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2173.358+/-0.293 χ^2/NDF: 4518035.1/45

All: 2185.300+/-0.208 χ^2/NDF: 10532577.6/9

- sign 2197.346+/-0.294 χ^2/NDF: 6011201.9/49

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

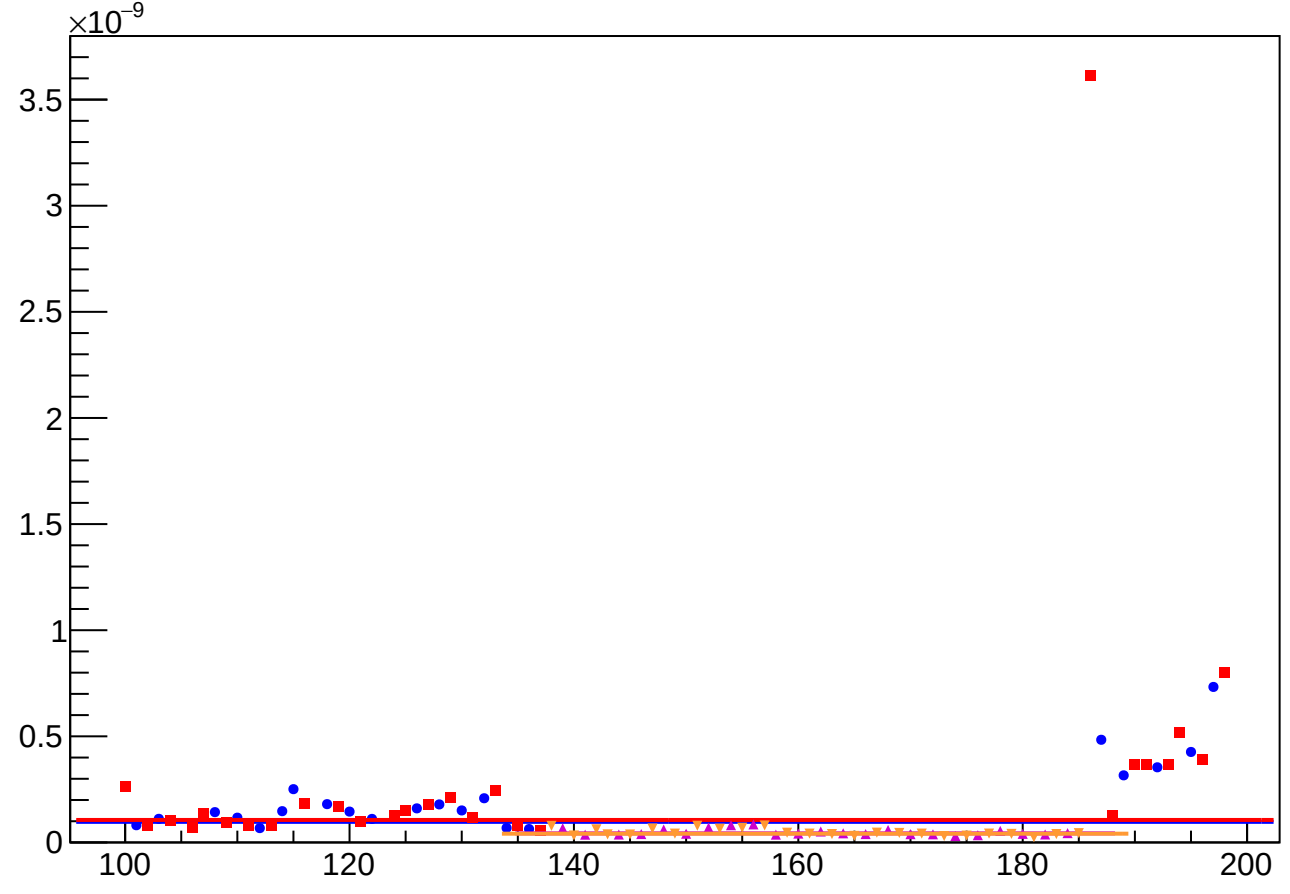
Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/26

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/45

All: 0.000+/-0.000 χ^2/NDF: 98.5/95

- sign -0.000+/-0.000 χ^2/NDF: 57.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 2653747.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3058005.1/26

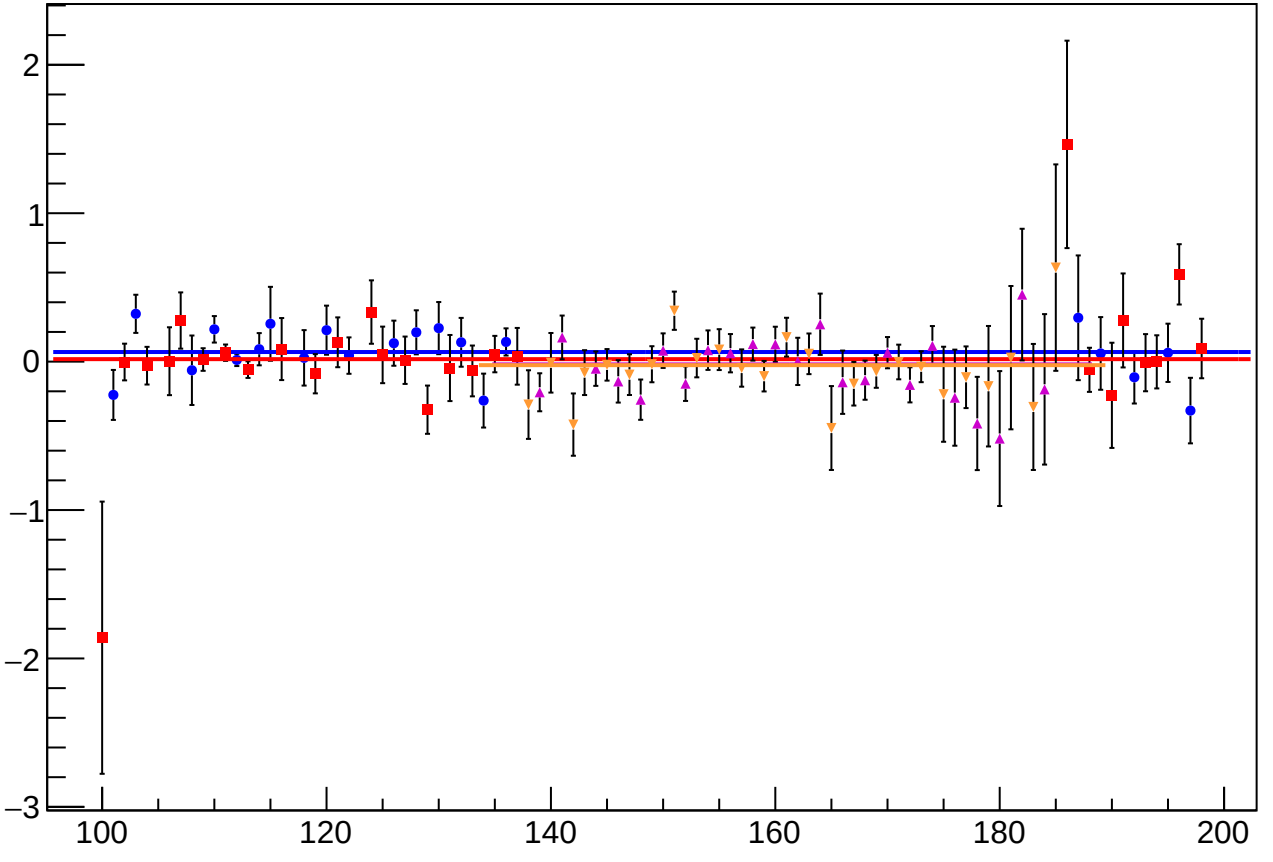
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5999442.5/45

All: 0.000+/-0.000 χ^2/NDF: 12514408.6/95

- sign 0.000+/-0.000 χ^2/NDF: 6488118.2/49

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.065+/-0.026 χ^2/NDF: 23.5/20

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.017+/-0.025 χ^2/NDF: 30.3/26

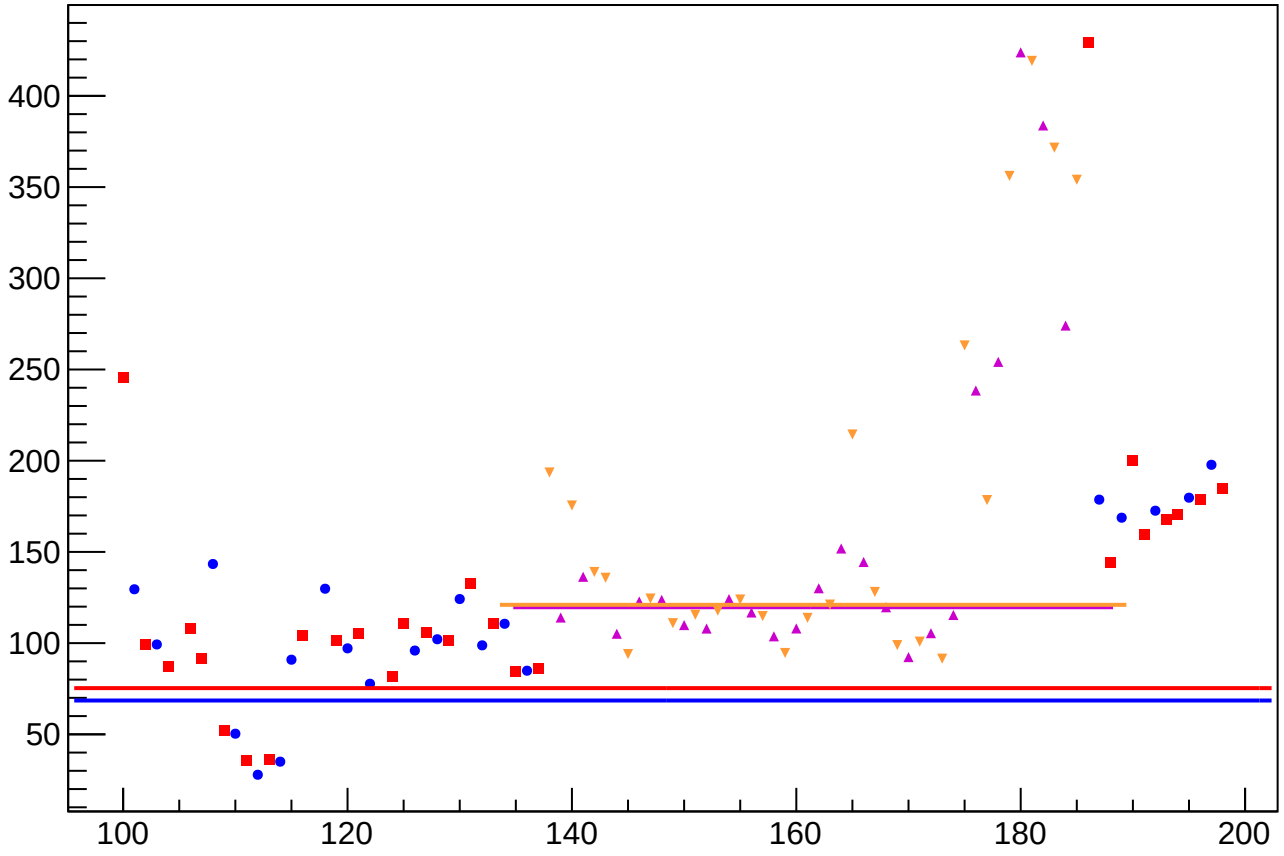
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.027+/-0.020 χ^2/NDF: 50.7/45

All: 0.014+/-0.014 χ^2/NDF: 105.6/95

- sign 0.002+/-0.019 χ^2/NDF: 54.1/49

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 68.543+/-0.018 χ^2/NDF: 6211129.6/20

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 75.329+/-0.018 χ^2/NDF: 6508068.3/26

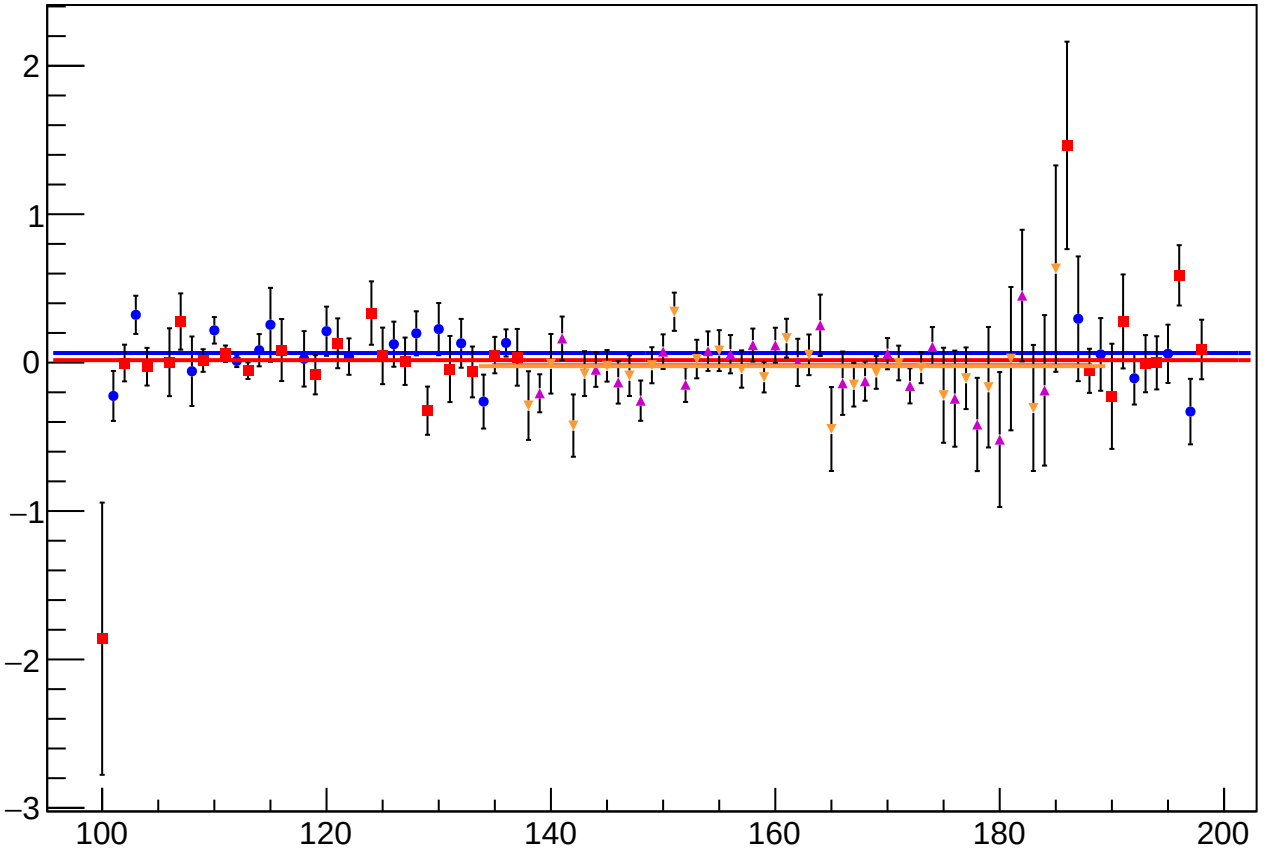
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 91.196+/-0.014 χ^2/NDF: 13803147.7/45

All: 92.416+/-0.010 χ^2/NDF: 25696230.1/95

- sign 93.606+/-0.014 χ^2/NDF: 11877855.3/49

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.065+/-0.026 χ^2/NDF: 23.5/20

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.017+/-0.025 χ^2/NDF: 30.3/26

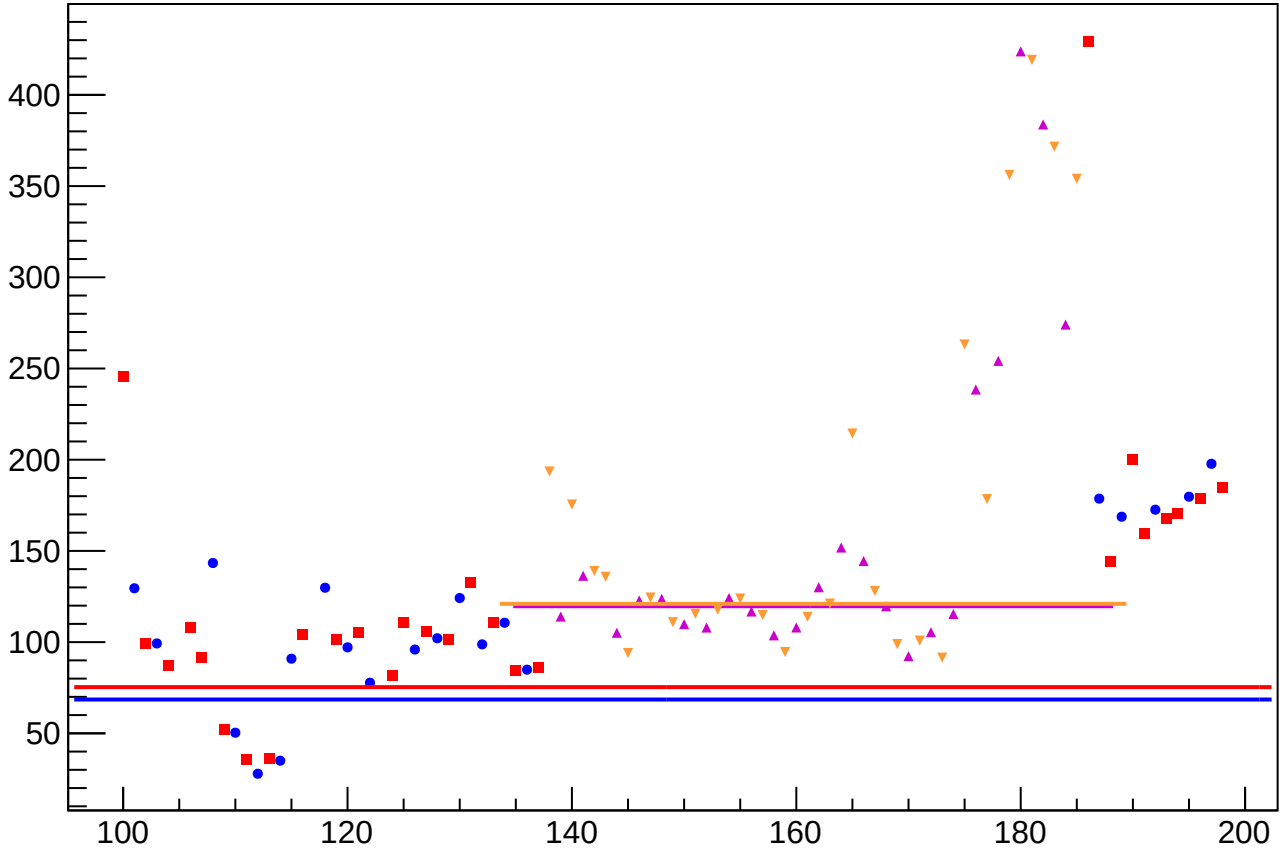
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.027+/-0.020 χ^2/NDF: 50.7/45

All: 0.014+/-0.014 χ^2/NDF: 105.6/95

- sign 0.002+/-0.019 χ^2/NDF: 54.1/49

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.543+/-0.018 χ^2/NDF: 6211129.6/20

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

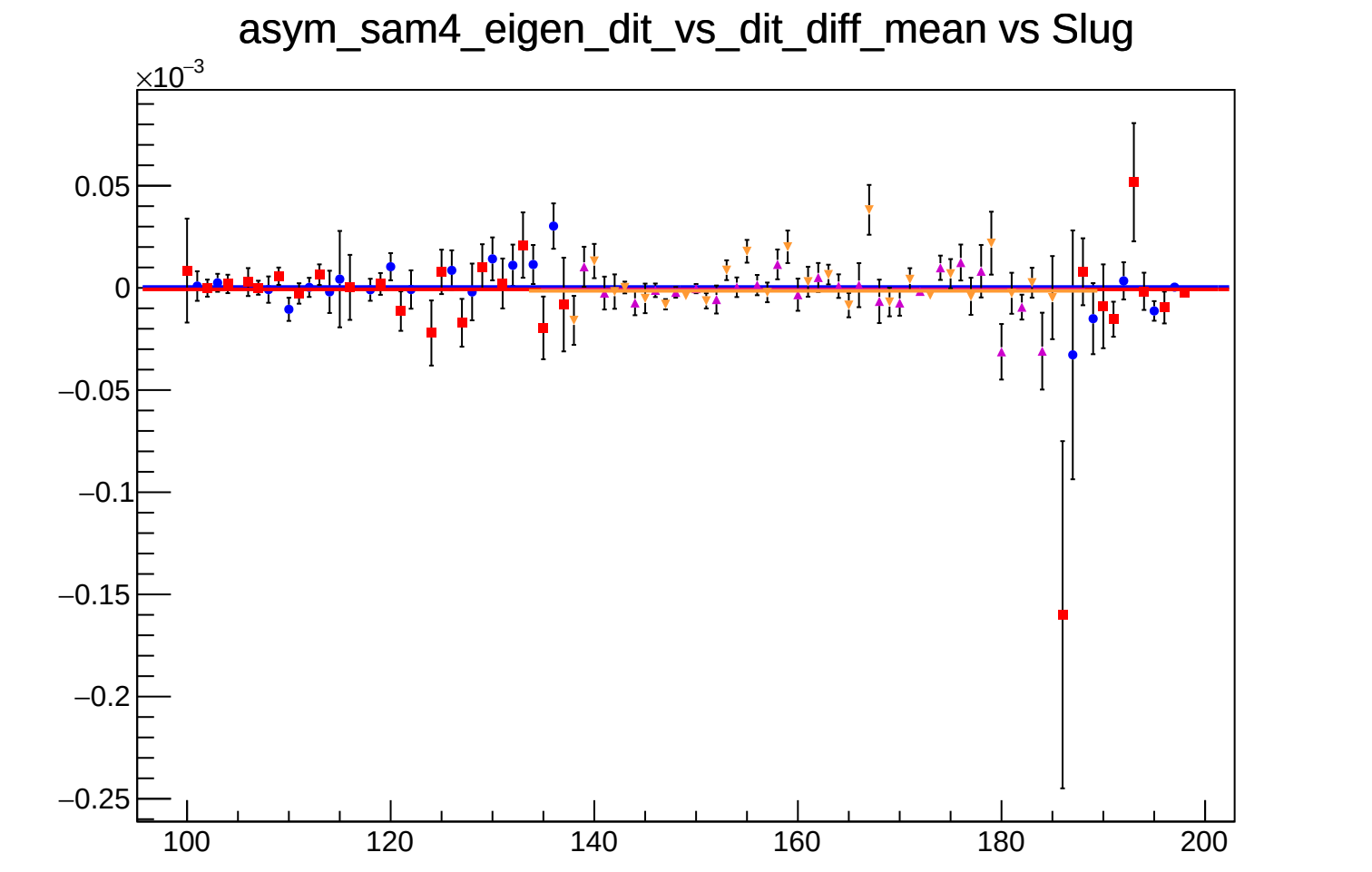
Right Out: 75.329+/-0.018 χ^2/NDF: 6508068.3/26

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

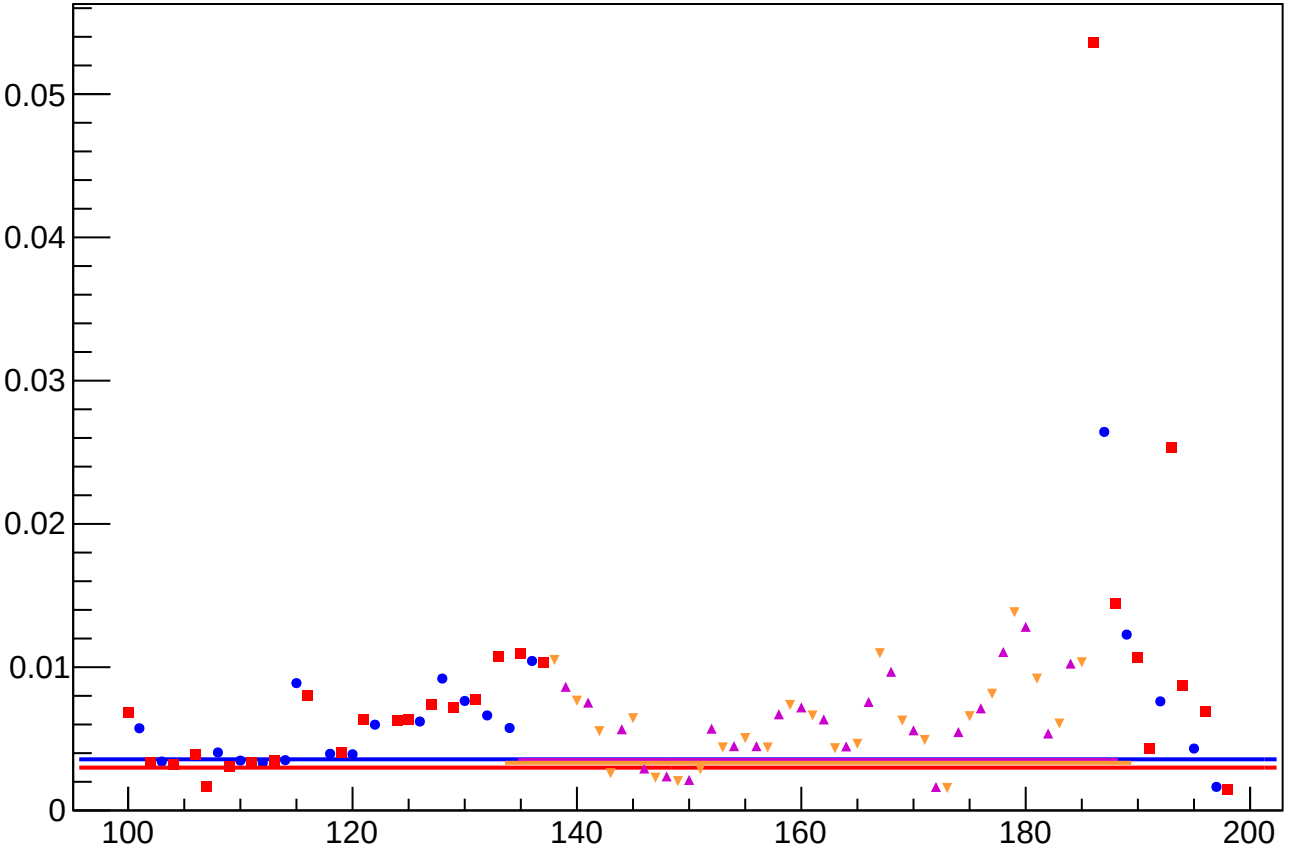
+ sign 91.196+/-0.014 χ^2/NDF: 13803147.7/45

All: 92.416+/-0.010 χ^2/NDF: 25696230.1/95

- sign 93.606+/-0.014 χ^2/NDF: 11877855.3/49


asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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: 25.6/20
Left Out: -0.000+/-0.000 χ²/NDF:60.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/26
Left In: -0.000+/-0.000 χ²/NDF:24.5/22
+ sign -0.000+/-0.000 χ²/NDF: 87.4/45
All: -0.000+/-0.000 χ²/NDF: 139.9/95
- sign -0.000+/-0.000 χ²/NDF: 52.5/49

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5071753.2/20

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

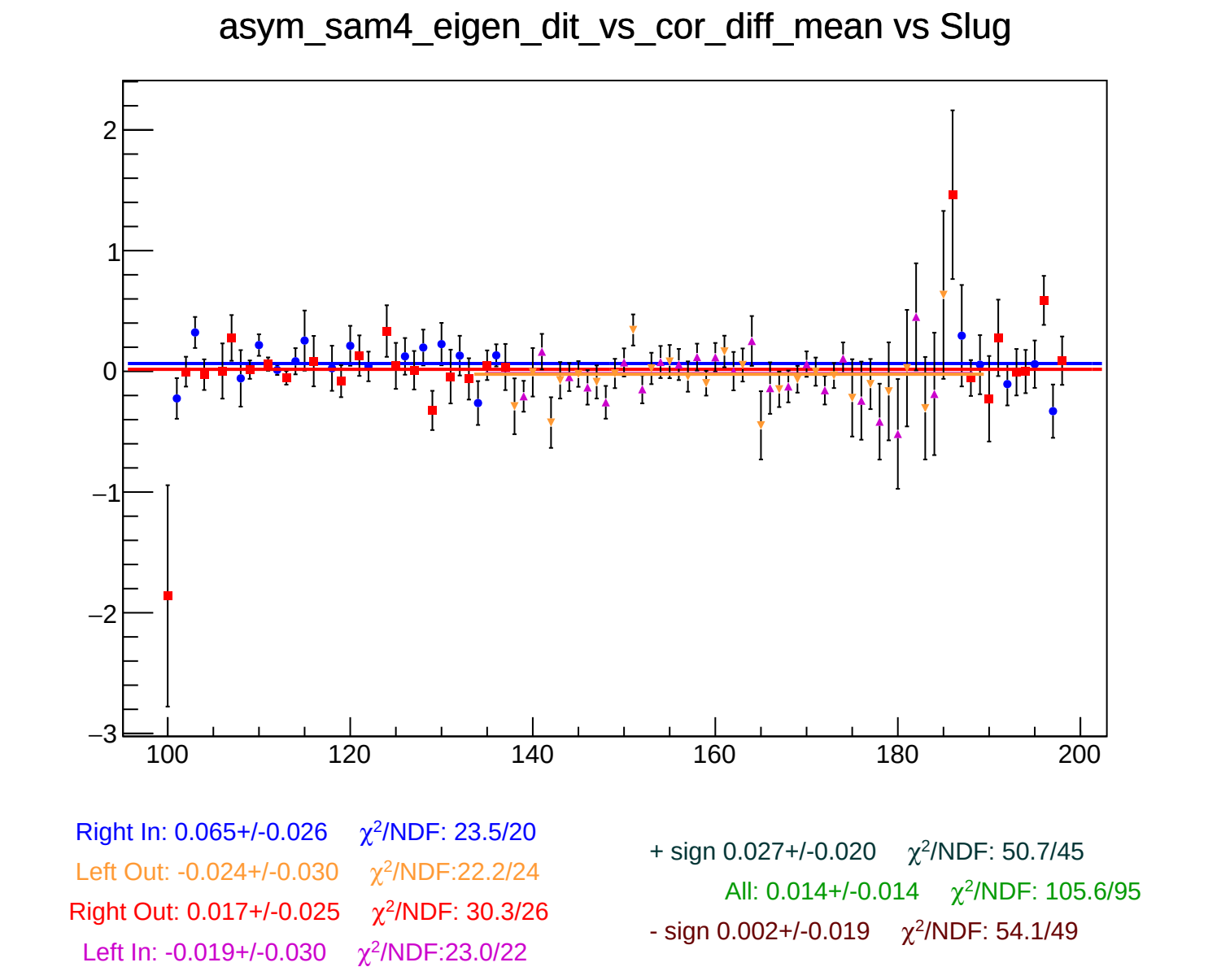
Right Out: 0.003+/-0.000 χ^2/NDF: 9499543.1/26

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

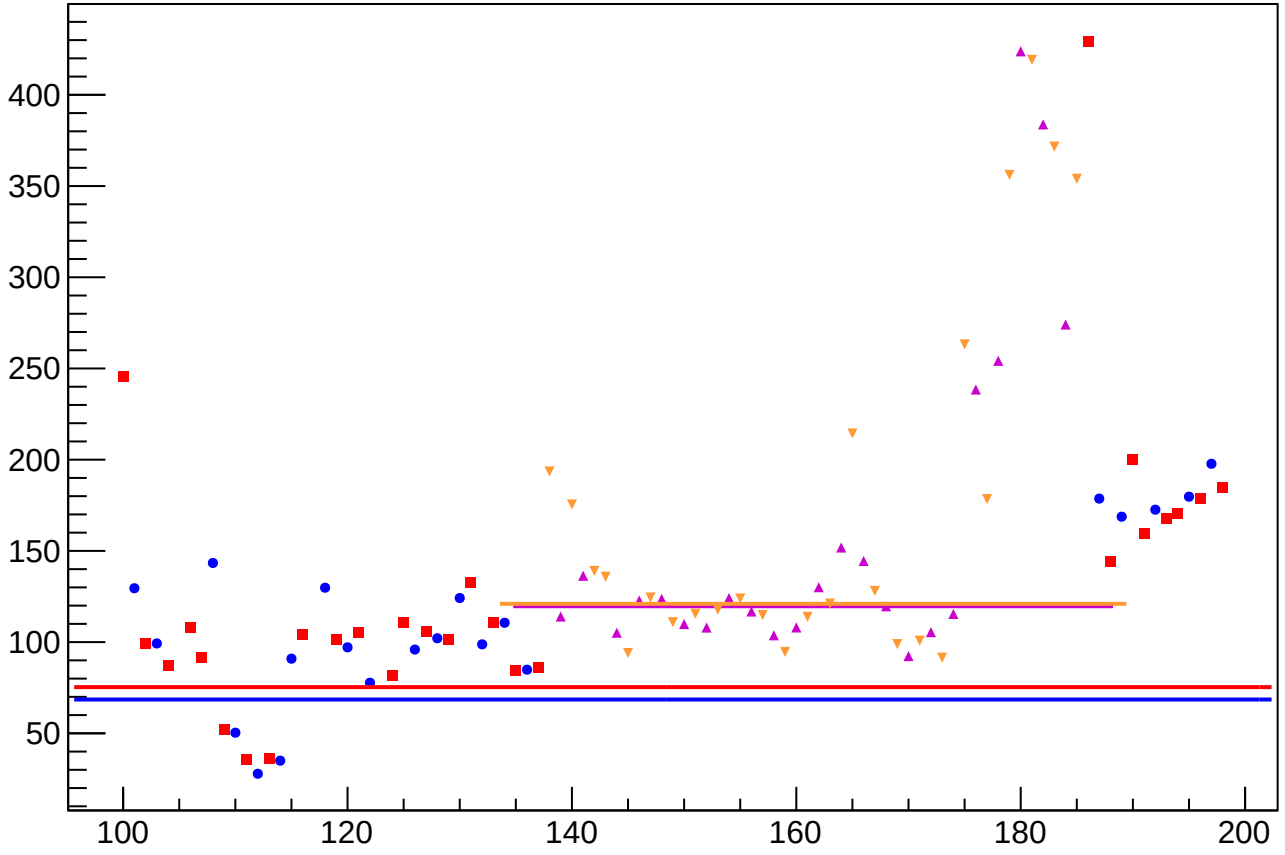
+ sign 0.003+/-0.000 χ^2/NDF: 15604193.2/45

All: 0.003+/-0.000 χ^2/NDF: 34821388.8/95

- sign 0.003+/-0.000 χ^2/NDF: 19189763.9/49


asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.065+/-0.026 χ²/NDF: 23.5/20
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.017+/-0.025 χ²/NDF: 30.3/26
Left In: -0.019+/-0.030 χ²/NDF:23.0/22
+ sign 0.027+/-0.020 χ²/NDF: 50.7/45
All: 0.014+/-0.014 χ²/NDF: 105.6/95
- sign 0.002+/-0.019 χ²/NDF: 54.1/49

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.540+/-0.018 χ^2/NDF: 6211468.5/20

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

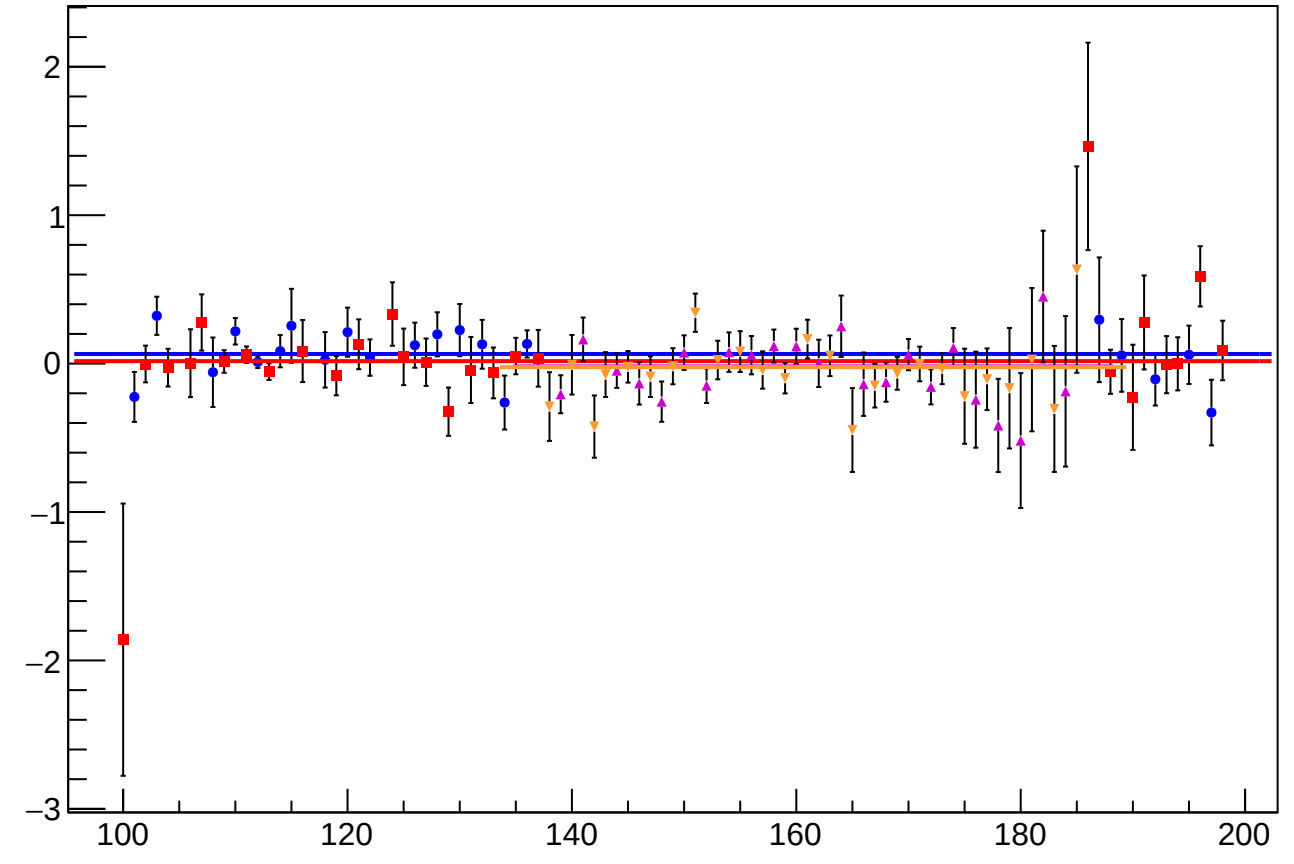
Right Out: 75.327+/-0.018 χ^2/NDF: 6508452.8/26

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

\+ sign 91.194+/-0.014 χ^2/NDF: 13803896.6/45

All: 92.415+/-0.010 χ^2/NDF: 25697647.0/95

\- sign 93.604+/-0.014 χ^2/NDF: 11878518.7/49



Right In: 0.065+/-0.026 χ^2/NDF: 23.5/20

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

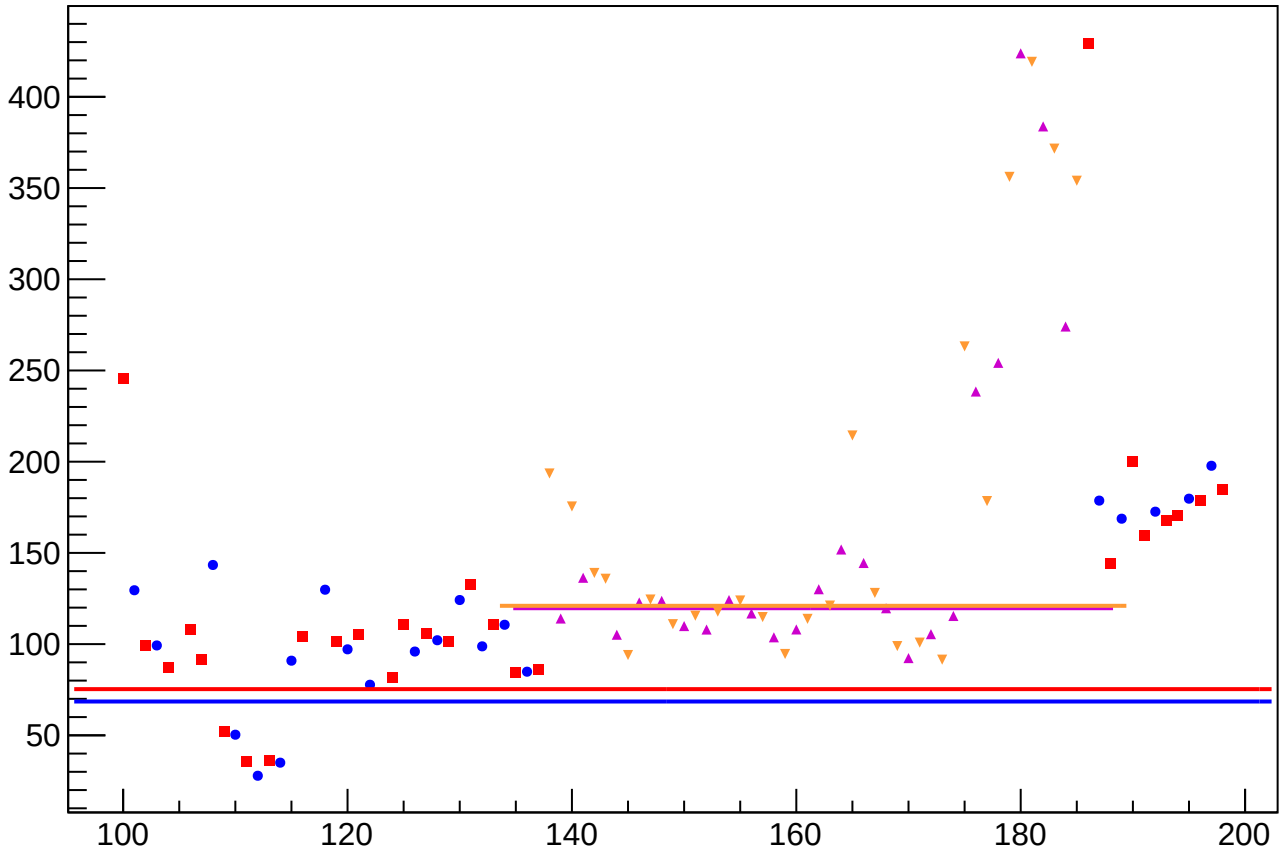
Right Out: 0.017+/-0.025 χ^2/NDF: 30.3/26

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.027+/-0.020 χ^2/NDF: 50.7/45

All: 0.014+/-0.014 χ^2/NDF: 105.6/95

- sign 0.002+/-0.019 χ^2/NDF: 54.1/49



Right In: 68.540+/-0.018 χ^2/NDF: 6211468.5/20

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 75.327+/-0.018 χ^2/NDF: 6508452.8/26

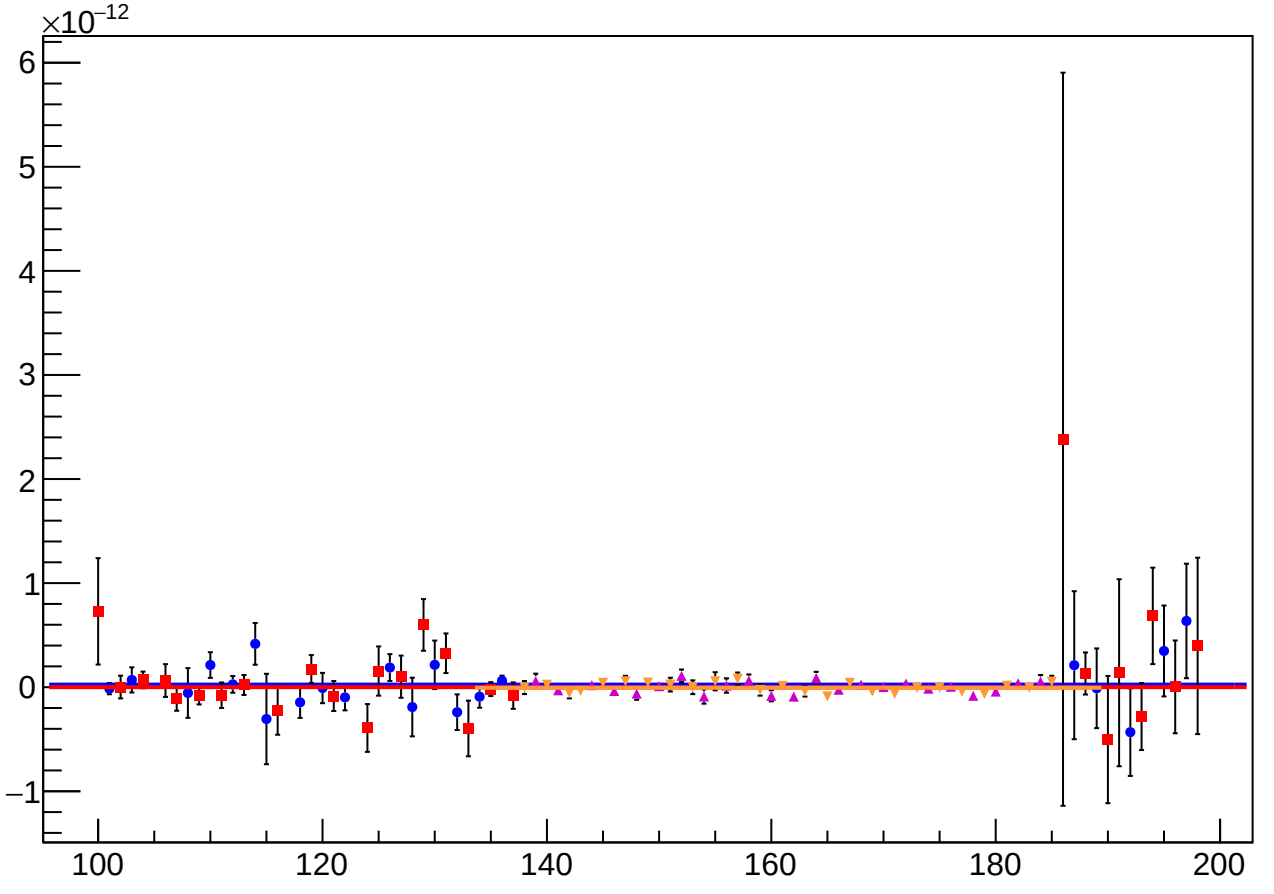
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 91.194+/-0.014 χ^2/NDF: 13803896.6/45

All: 92.415+/-0.010 χ^2/NDF: 25697647.0/95

- sign 93.604+/-0.014 χ^2/NDF: 11878518.7/49

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

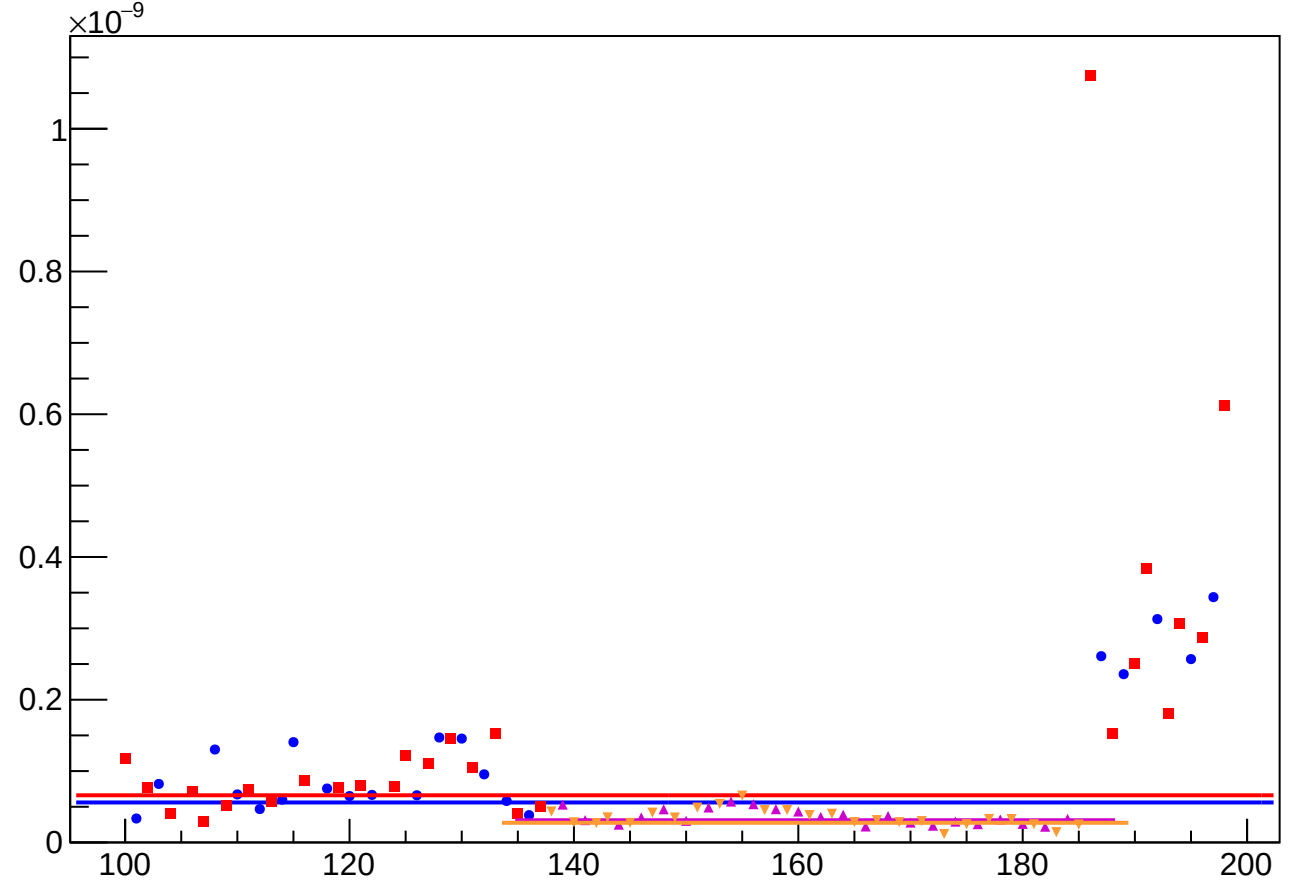
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/26

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.3/45

All: -0.000+/-0.000 χ^2/NDF: 98.8/95

- sign -0.000+/-0.000 χ^2/NDF: 55.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 4008397.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4707086.4/26

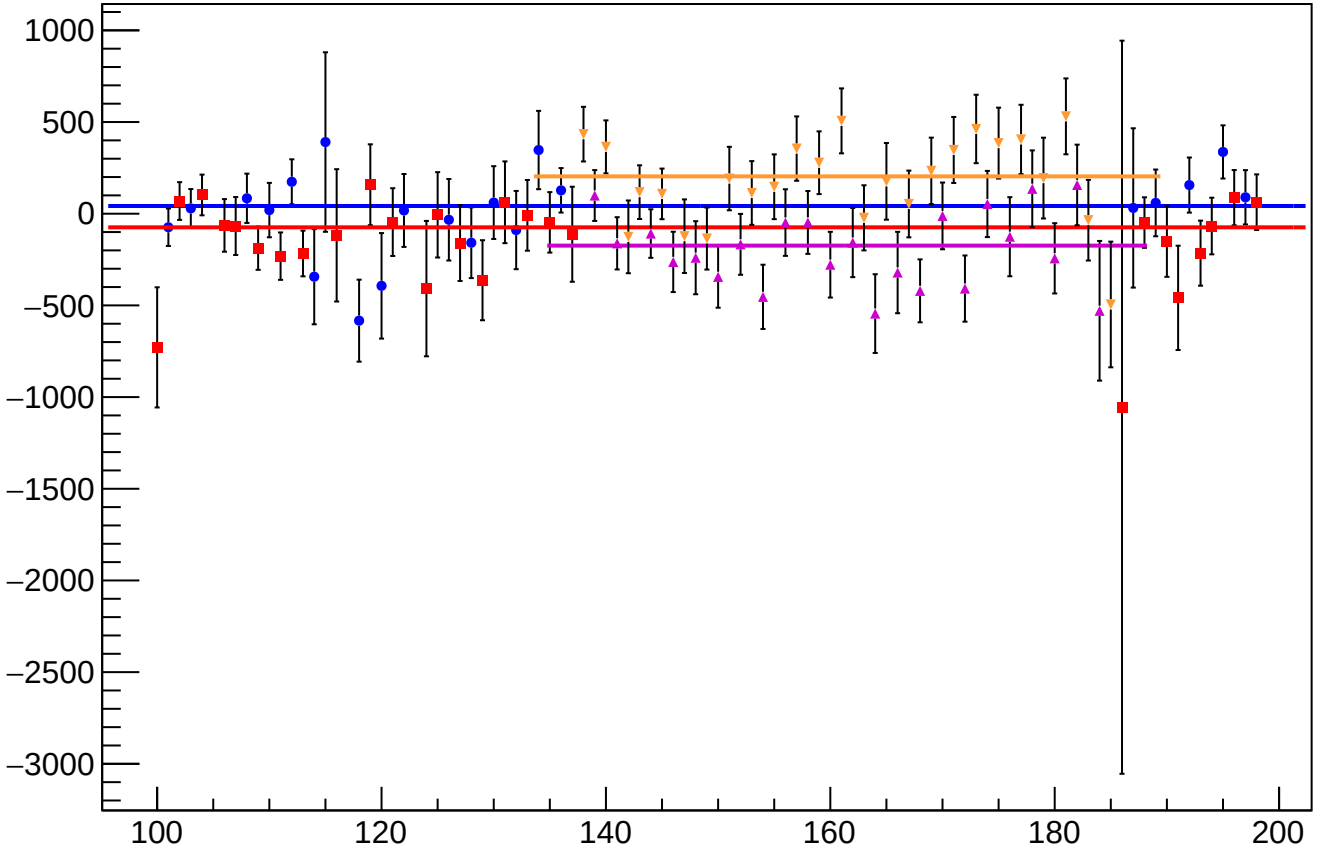
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9887375.1/45

All: 0.000+/-0.000 χ^2/NDF: 19583084.0/95

- sign 0.000+/-0.000 χ^2/NDF: 9427578.3/49

reg_asym_sam5_mean vs Slug



Right In: 42.115+/-35.645 χ^2/NDF: 24.4/20

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -74.234+/-32.460 χ^2/NDF: 21.6/26

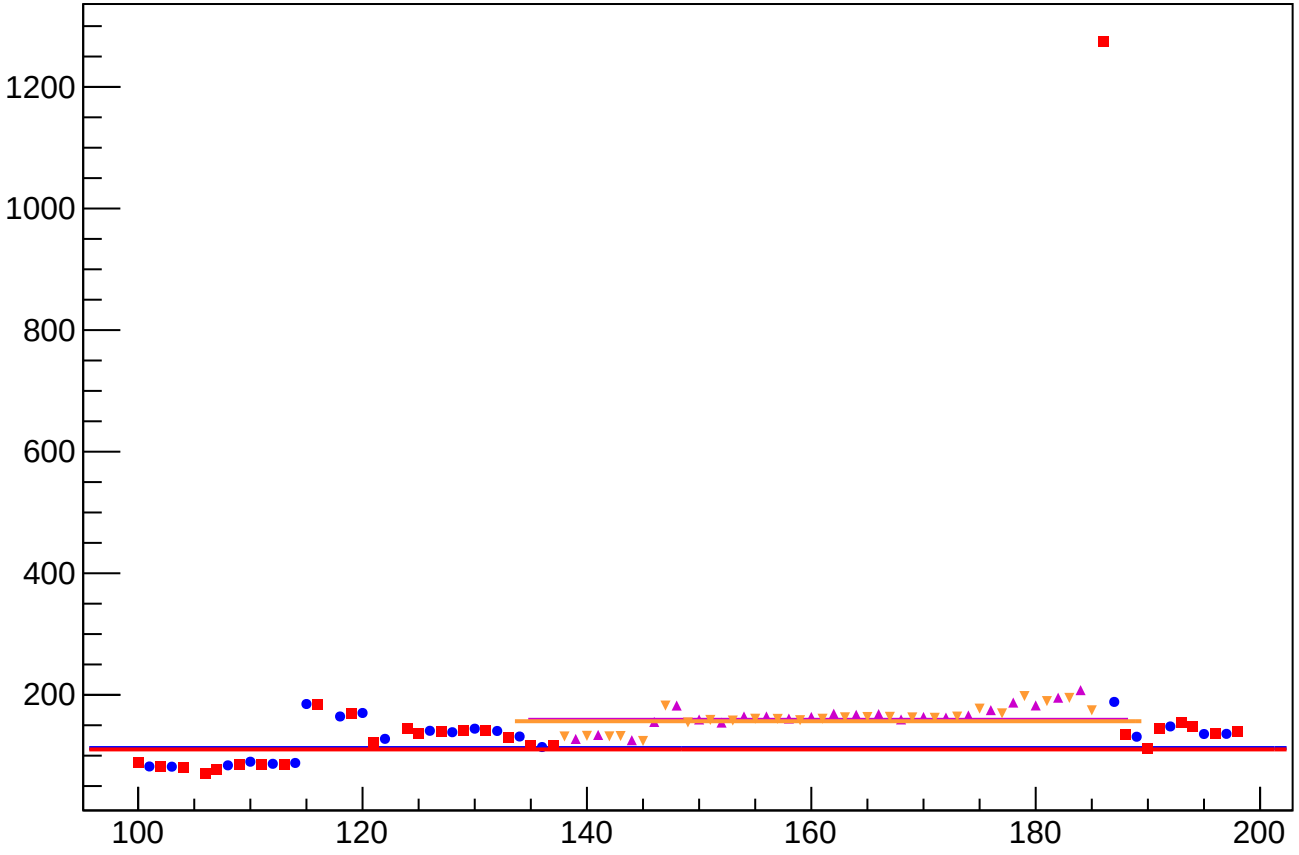
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 122.413+/-25.287 χ^2/NDF: 67.5/45

All: -1.039+/-17.602 χ^2/NDF: 163.8/95

- sign -117.079+/-24.516 χ^2/NDF: 50.1/49

reg_asym_sam5_rms vs Slug



Right In: 112.514+/-0.025 χ^2/NDF: 1297477.6/20

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

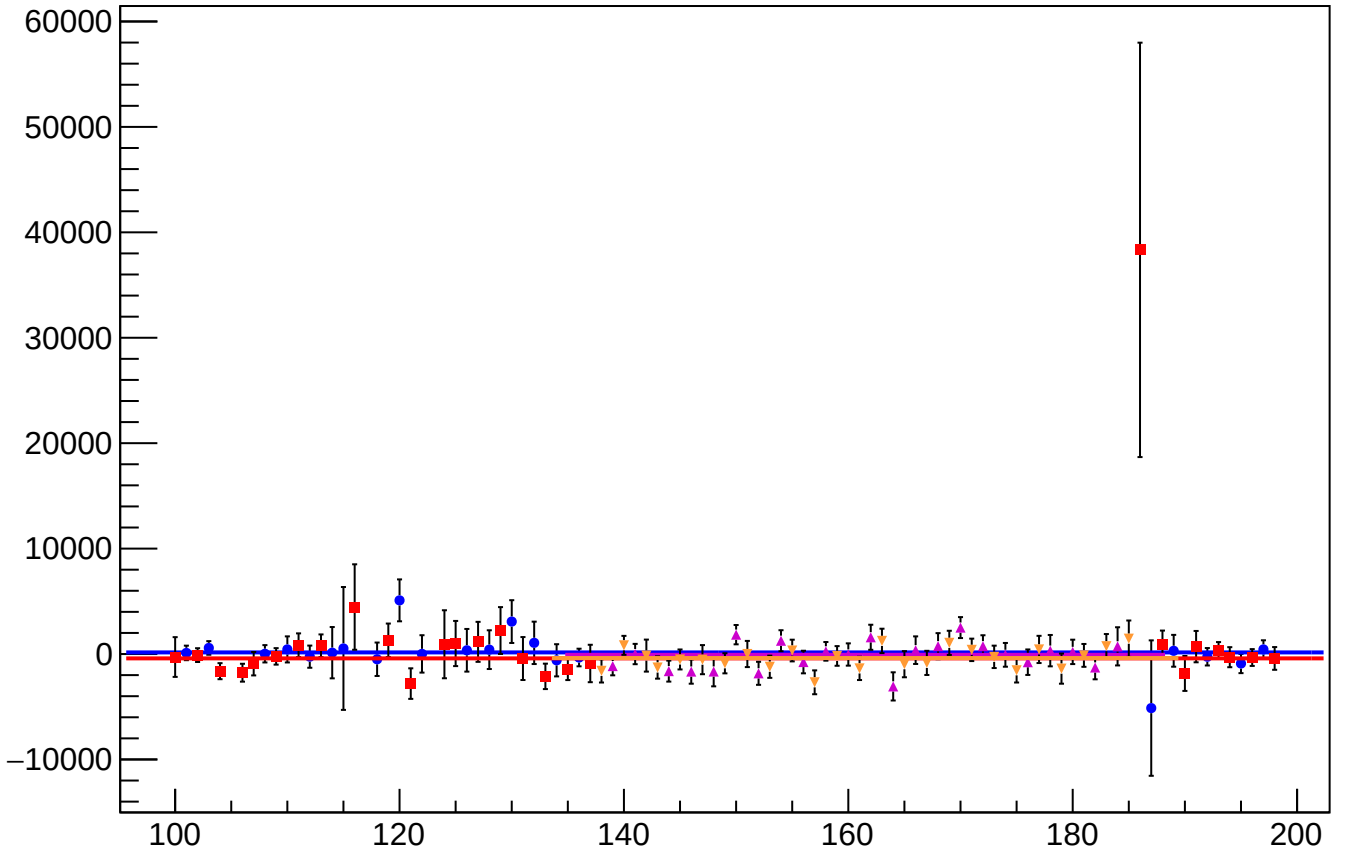
Right Out: 110.262+/-0.023 χ^2/NDF: 2355373.5/26

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.433+/-0.018 χ^2/NDF: 3402187.5/45

All: 132.755+/-0.012 χ^2/NDF: 8218995.6/95

- sign 131.178+/-0.017 χ^2/NDF: 4799723.6/49



Right In: 153.380+/-249.435 χ^2/NDF: 12.3/20

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -412.903+/-222.161 χ^2/NDF: 26.3/26

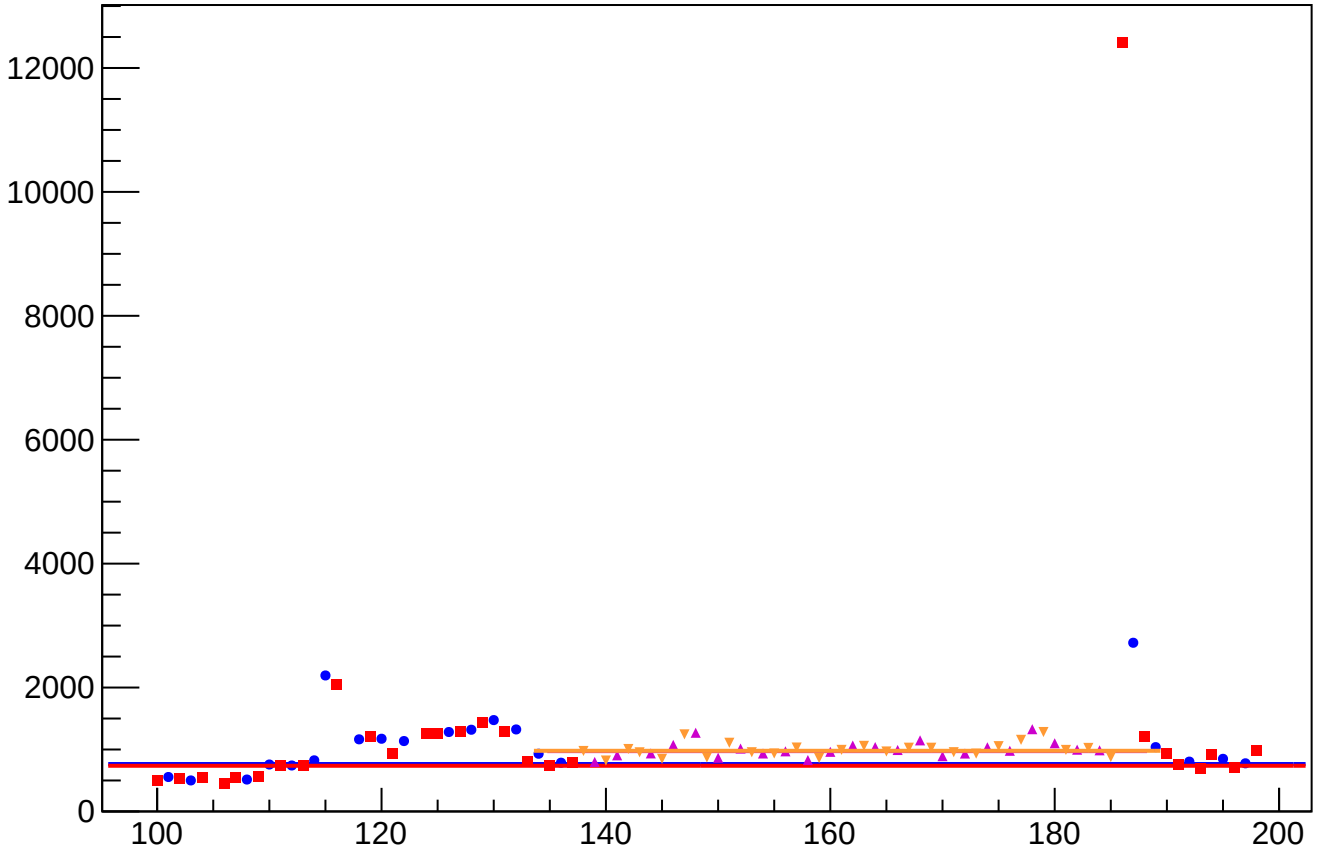
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -141.612+/-166.889 χ^2/NDF: 33.5/45

All: -197.861+/-115.390 χ^2/NDF: 94.3/95

- sign -249.382+/-159.720 χ^2/NDF: 60.5/49

asym_sam5_reg_correction_rms vs Slug



Right In: 765.389+/-0.176 χ^2/NDF: 2137179.7/20

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 737.502+/-0.157 χ^2/NDF: 3084572.4/26

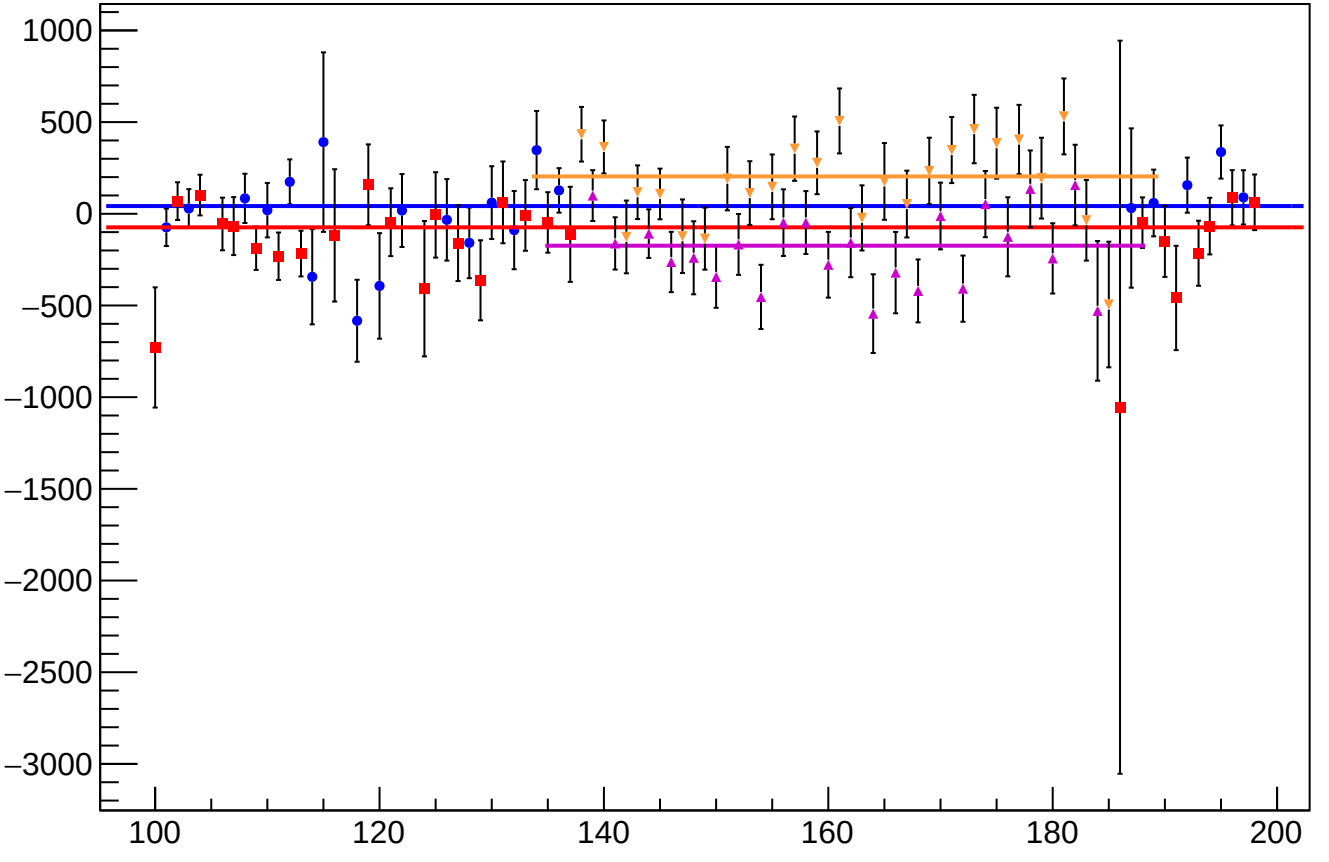
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 883.438+/-0.118 χ^2/NDF: 3377994.9/45

All: 866.859+/-0.082 χ^2/NDF: 8092302.3/95

- sign 851.673+/-0.113 χ^2/NDF: 4676490.4/49

cor_asym_sam5_mean vs Slug



Right In: 42.109+/-35.645 χ^2/NDF: 24.4/20

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -73.843+/-32.462 χ^2/NDF: 21.6/26

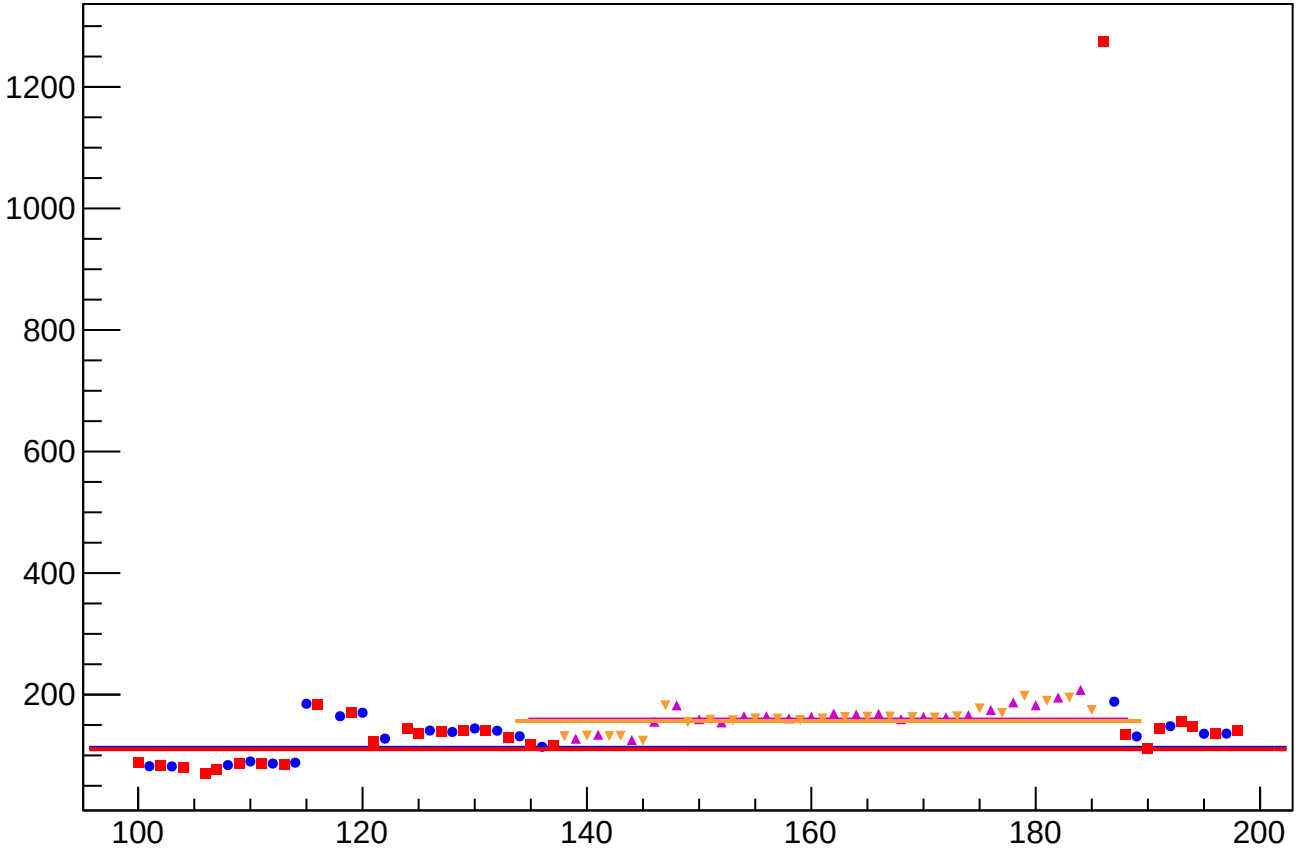
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 122.413+/-25.287 χ^2/NDF: 67.5/45

All: -0.923+/-17.602 χ^2/NDF: 163.8/95

- sign -116.860+/-24.517 χ^2/NDF: 50.2/49

cor_asym_sam5_rms vs Slug



Right In: 112.514+/-0.025 χ^2/NDF: 1297476.6/20

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 110.246+/-0.023 χ^2/NDF: 2358252.9/26

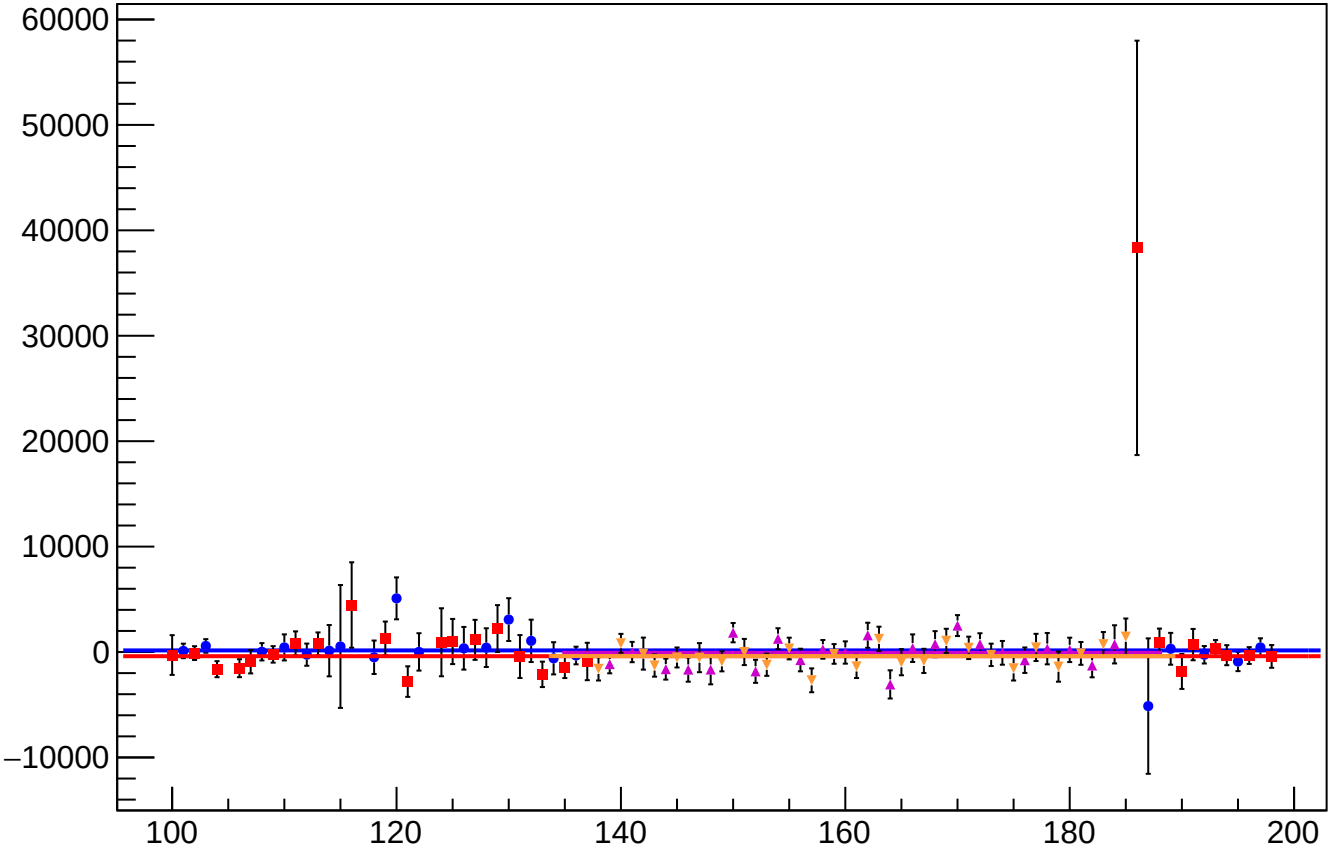
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.433+/-0.018 χ^2/NDF: 3402185.5/45

All: 132.751+/-0.012 χ^2/NDF: 8223174.4/95

- sign 131.170+/-0.017 χ^2/NDF: 4803819.4/49

asym_sam5_cor_correction_mean vs Slug



Right In: 153.380+/-249.434 χ^2/NDF: 12.3/20

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -395.270+/-222.261 χ^2/NDF: 25.5/26

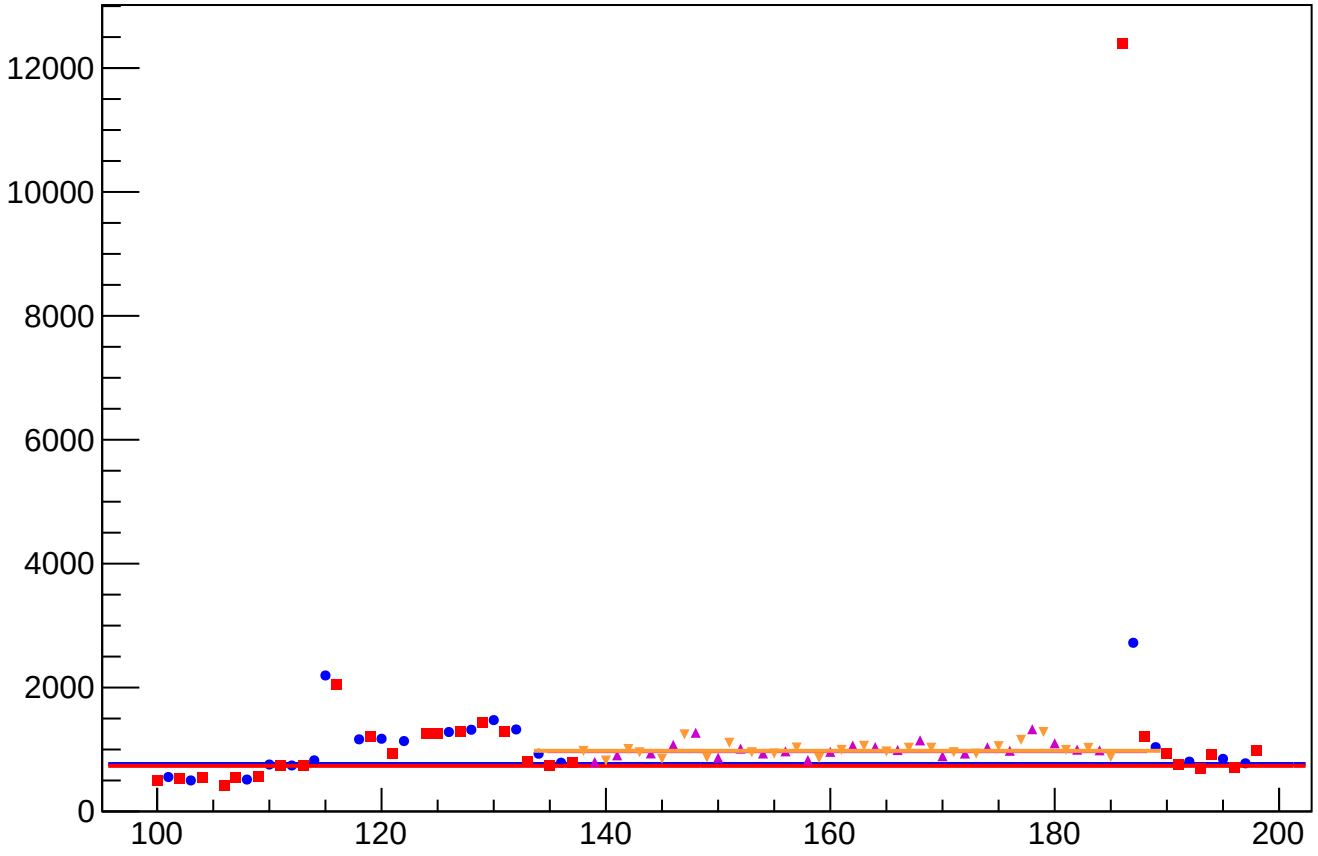
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -141.605+/-166.889 χ^2/NDF: 33.5/45

All: -193.052+/-115.404 χ^2/NDF: 93.3/95

- sign -240.195+/-159.757 χ^2/NDF: 59.6/49

asym_sam5_cor_correction_rms vs Slug



Right In: 765.388+/-0.176 χ^2/NDF: 2137182.2/20

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 736.106+/-0.157 χ^2/NDF: 3121748.3/26

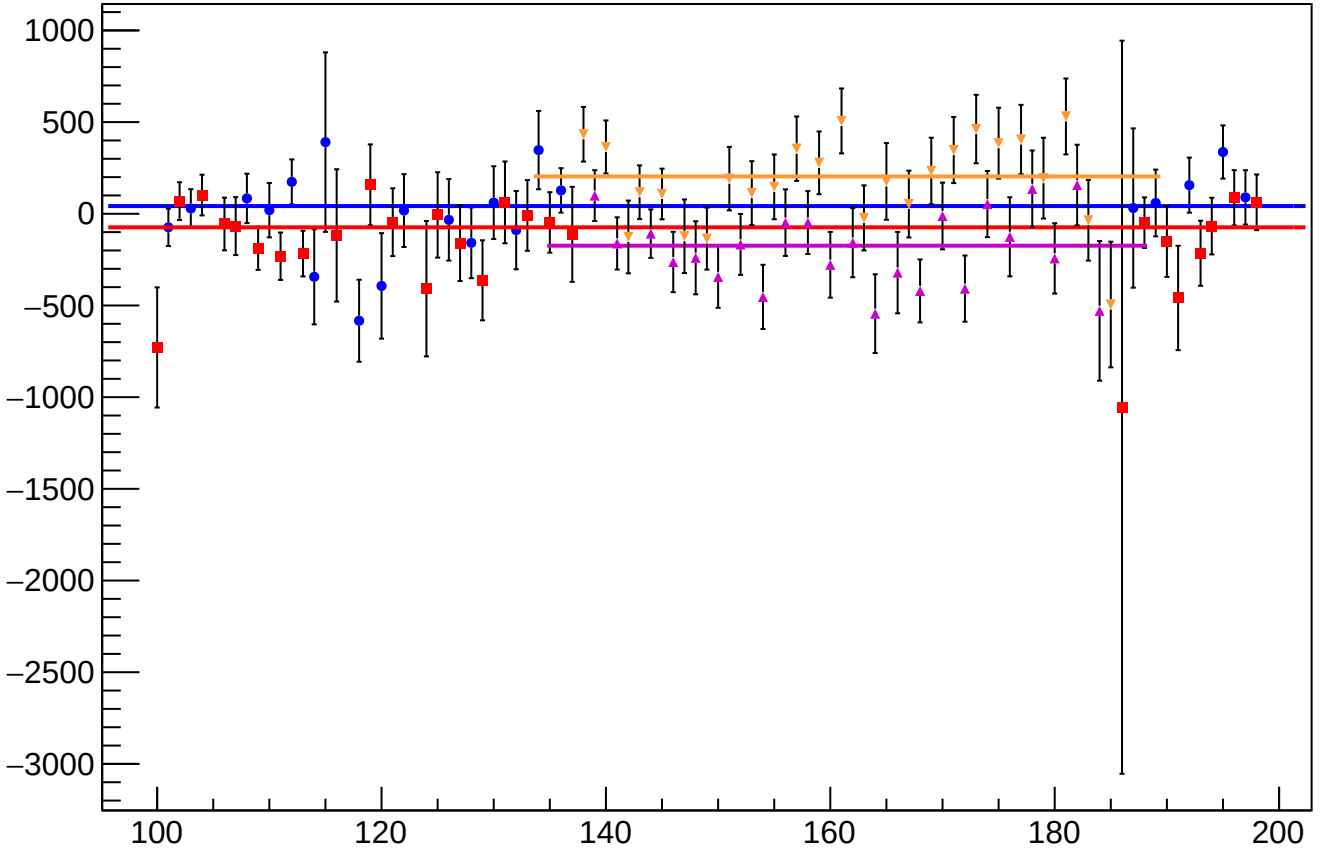
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 883.438+/-0.118 χ^2/NDF: 3378000.2/45

All: 866.514+/-0.082 χ^2/NDF: 8143564.1/95

- sign 851.005+/-0.113 χ^2/NDF: 4726147.1/49

eigen_cor_asym_sam5_mean vs Slug



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Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -73.843+/-32.462 χ^2/NDF: 21.6/26

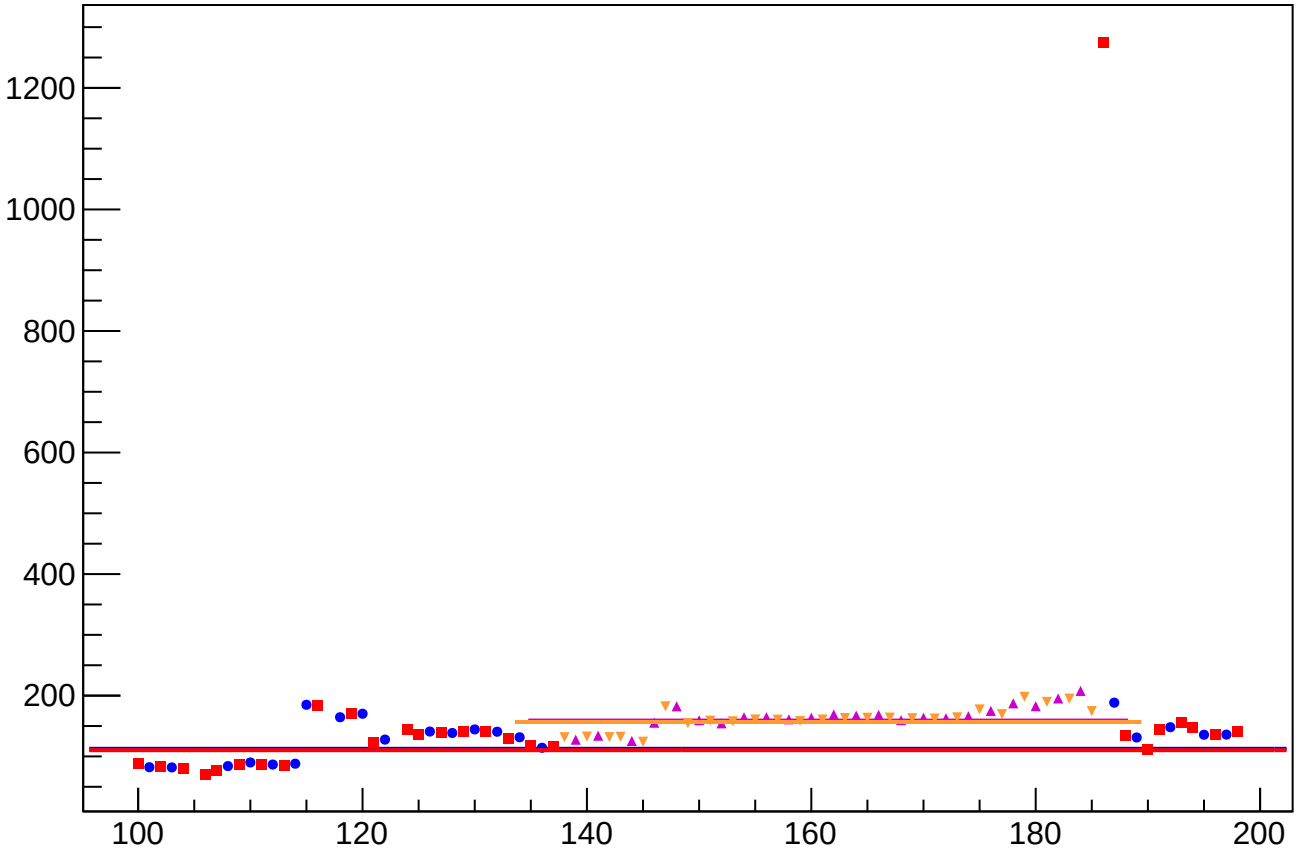
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 122.413+/-25.287 χ^2/NDF: 67.5/45

All: -0.923+/-17.602 χ^2/NDF: 163.8/95

- sign -116.860+/-24.517 χ^2/NDF: 50.2/49

eigen_cor_asym_sam5_rms vs Slug



Right In: 112.514+/-0.025 χ^2/NDF: 1297476.6/20

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

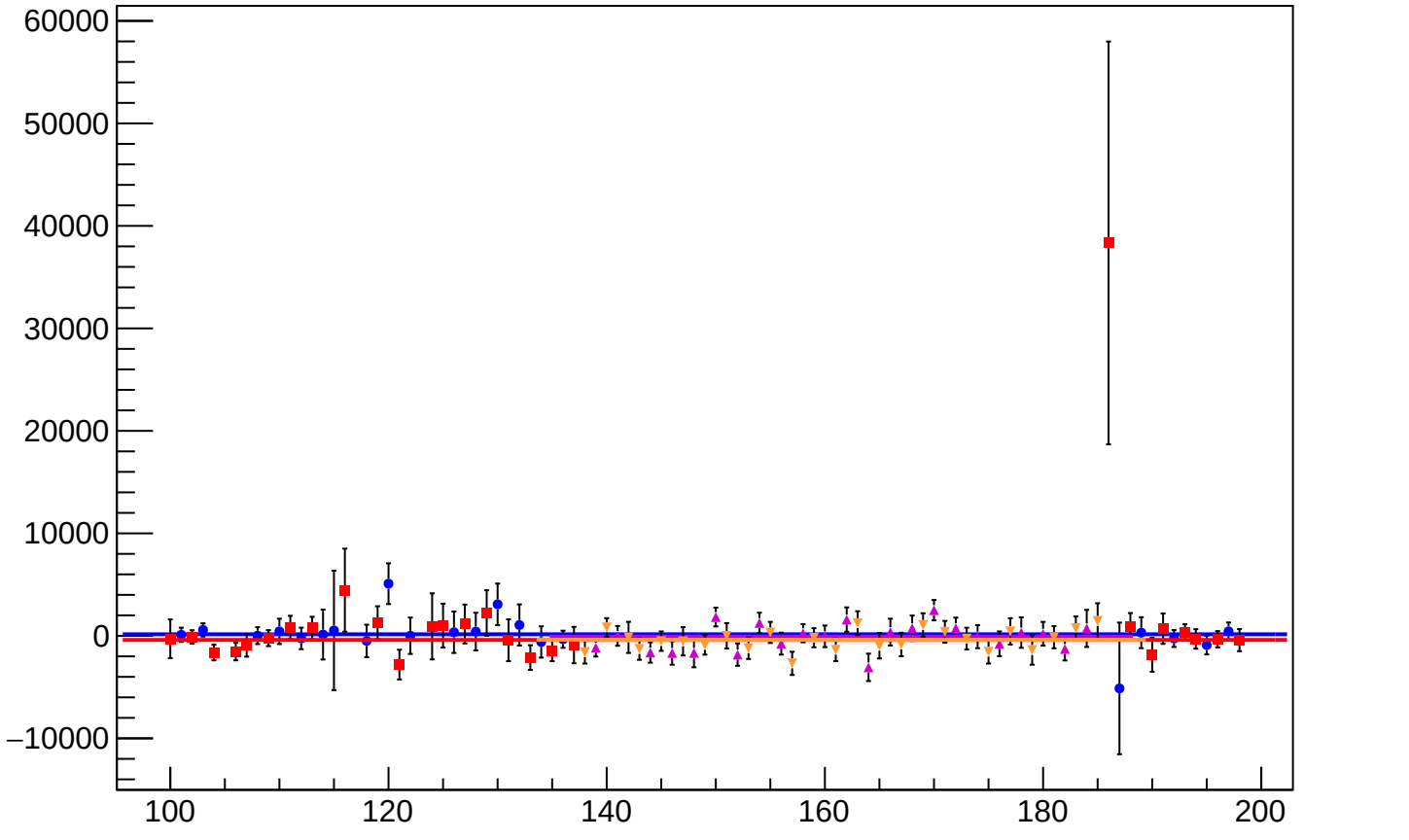
Right Out: 110.246+/-0.023 χ^2/NDF: 2358252.9/26

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.433+/-0.018 χ^2/NDF: 3402185.5/45

All: 132.751+/-0.012 χ^2/NDF: 8223174.4/95

- sign 131.170+/-0.017 χ^2/NDF: 4803819.4/49



Right In: 153.380+/-249.434 χ^2/NDF: 12.3/20

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -395.270+/-222.261 χ^2/NDF: 25.5/26

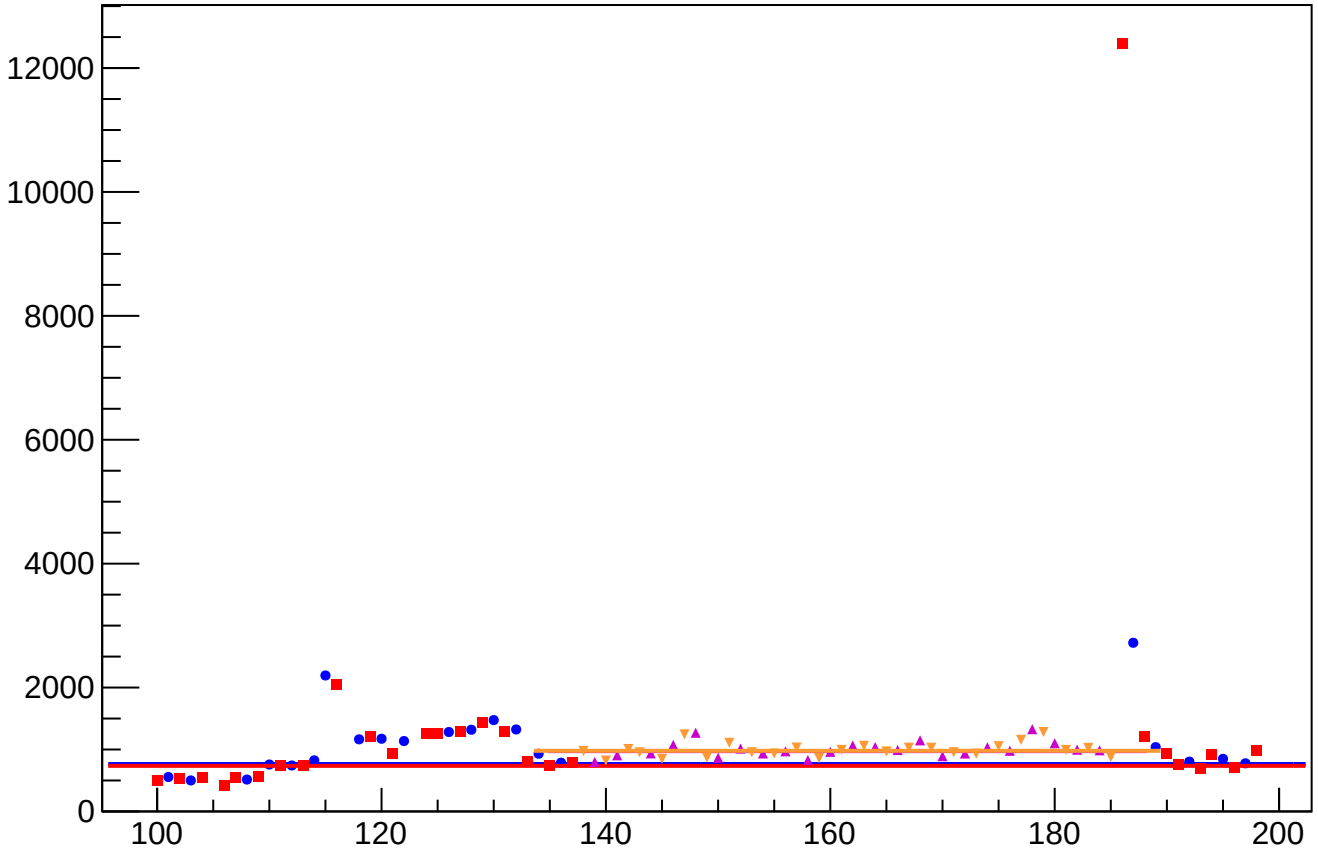
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -141.605+/-166.889 χ^2/NDF: 33.5/45

All: -193.052+/-115.404 χ^2/NDF: 93.3/95

- sign -240.195+/-159.757 χ^2/NDF: 59.6/49

asym_sam5_eigen_cor_correction_rms vs Slug



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Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

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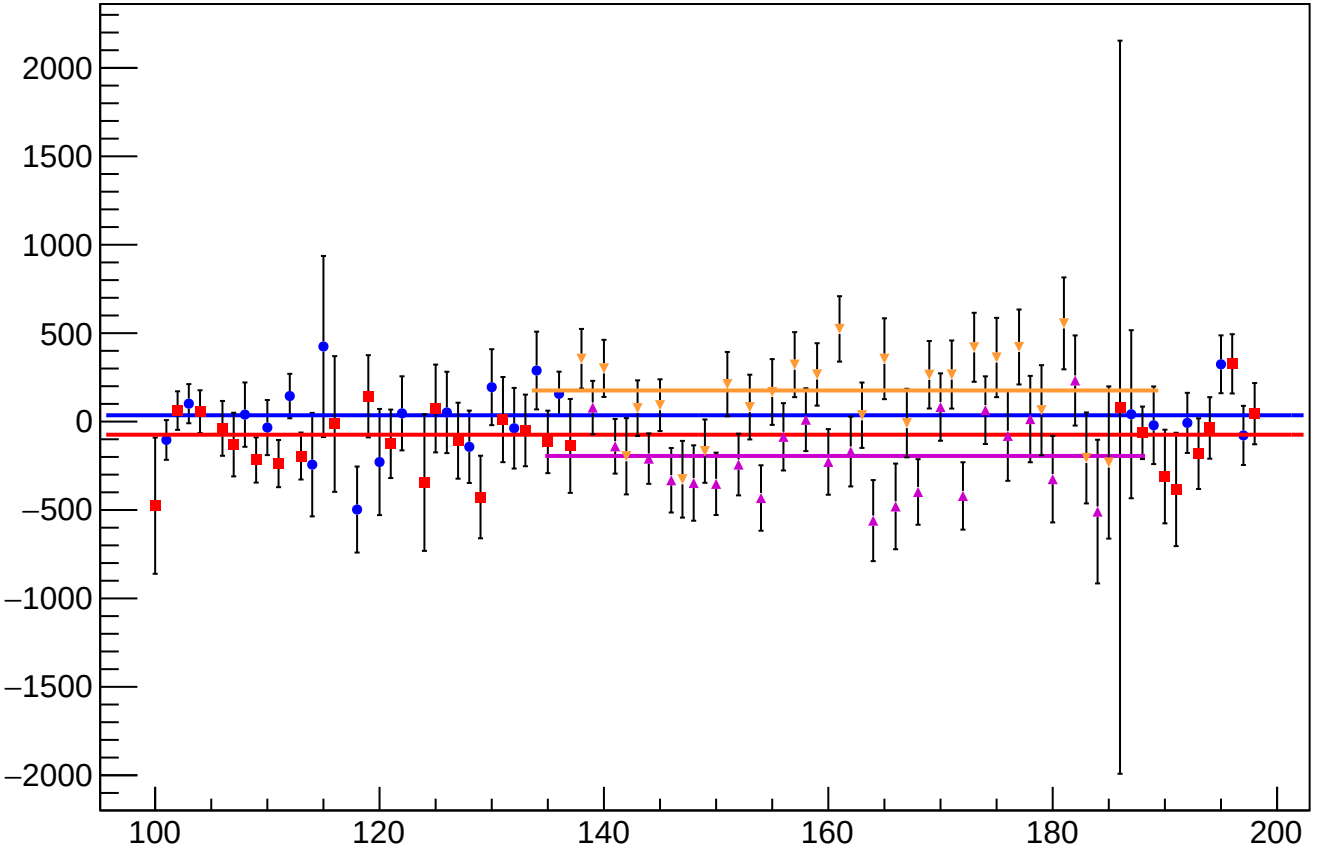
+ sign 883.438+/-0.118 χ^2/NDF: 3378000.2/45

All: 866.514+/-0.082 χ^2/NDF: 8143564.1/95

- sign 851.005+/-0.113 χ^2/NDF: 4726147.1/49

dit_asym_sam5_mean vs Slug



Right In: 35.742+/-38.840 χ^2/NDF: 17.3/20

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -74.249+/-35.241 χ^2/NDF: 20.2/26

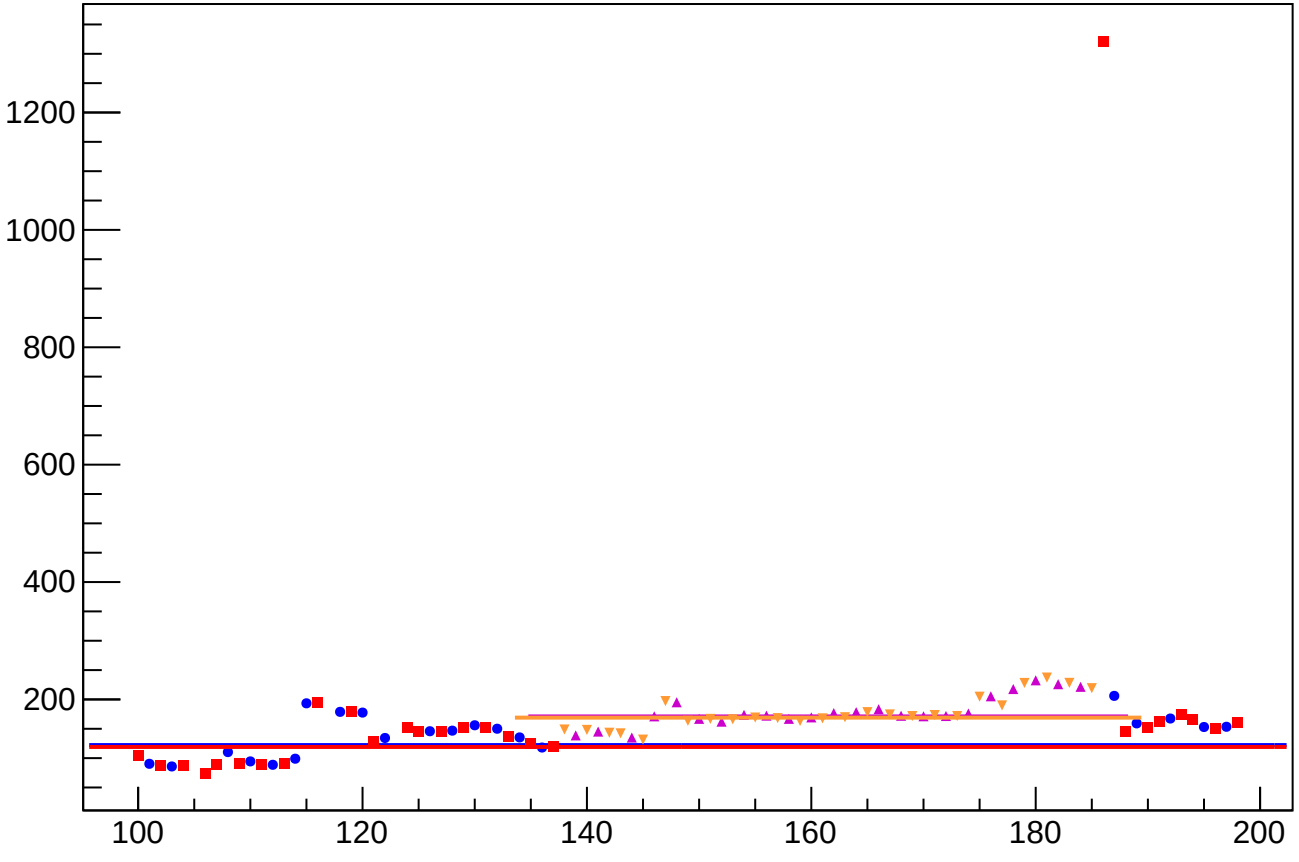
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 105.881+/-27.463 χ^2/NDF: 54.6/45

All: -14.051+/-19.089 χ^2/NDF: 140.5/95

- sign -126.159+/-26.552 χ^2/NDF: 49.0/49

dit_asym_sam5_rms vs Slug



Right In: 122.226+/-0.027 χ^2/NDF: 1367010.2/20

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 119.057+/-0.025 χ^2/NDF: 2498751.6/26

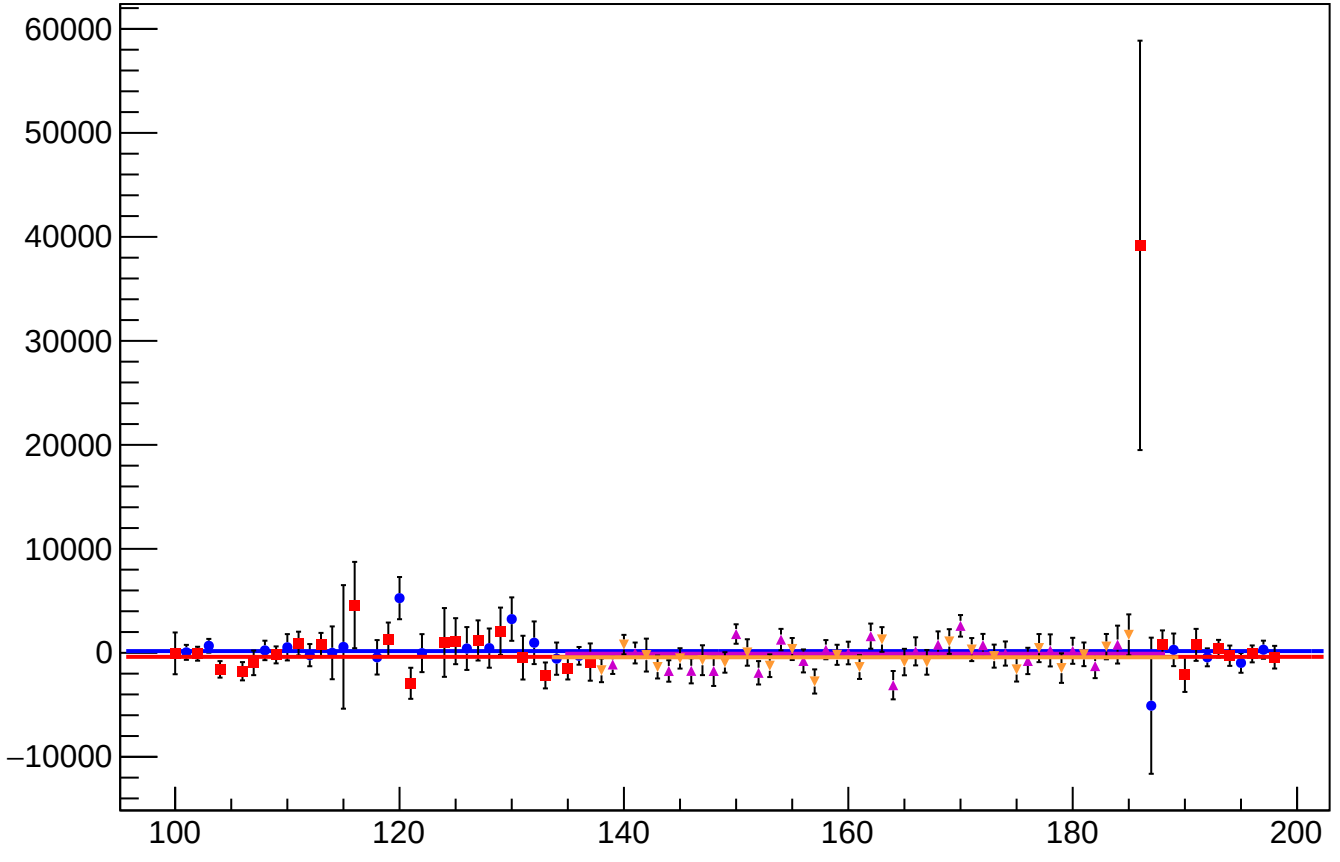
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 145.619+/-0.019 χ^2/NDF: 3591878.4/45

All: 143.501+/-0.013 χ^2/NDF: 8671617.5/95

- sign 141.522+/-0.019 χ^2/NDF: 5056730.1/49

asym_sam5_dit_correction_mean vs Slug



Right In: 167.114+/-258.775 χ^2/NDF: 12.7/20

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -384.534+/-229.615 χ^2/NDF: 26.2/26

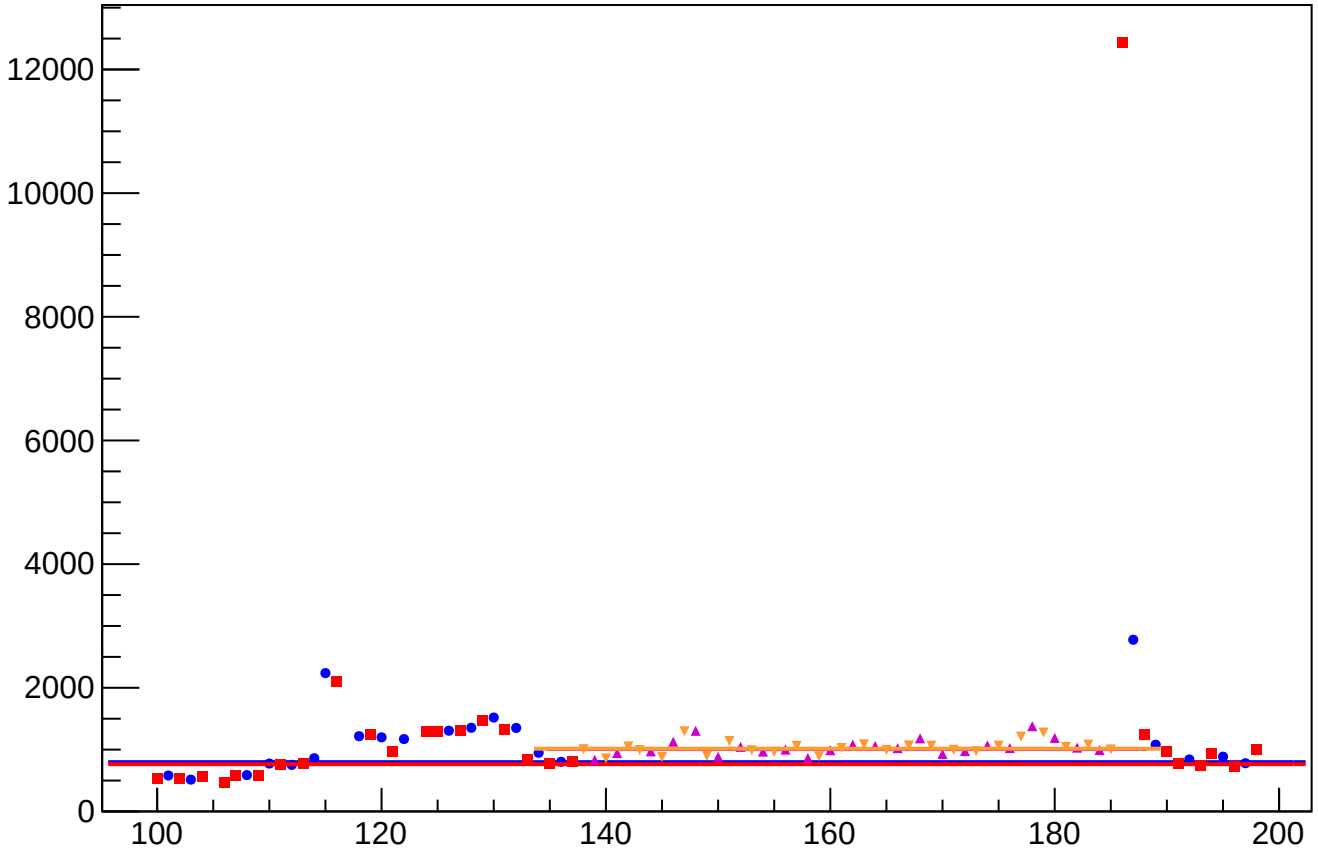
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -160.898+/-172.973 χ^2/NDF: 34.0/45

All: -202.738+/-119.505 χ^2/NDF: 93.5/95

- sign -240.949+/-165.299 χ^2/NDF: 59.4/49

asym_sam5_dit_correction_rms vs Slug



Right In: 797.077+/-0.183 χ^2/NDF: 2027323.8/20

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 764.888+/-0.162 χ^2/NDF: 2991804.2/26

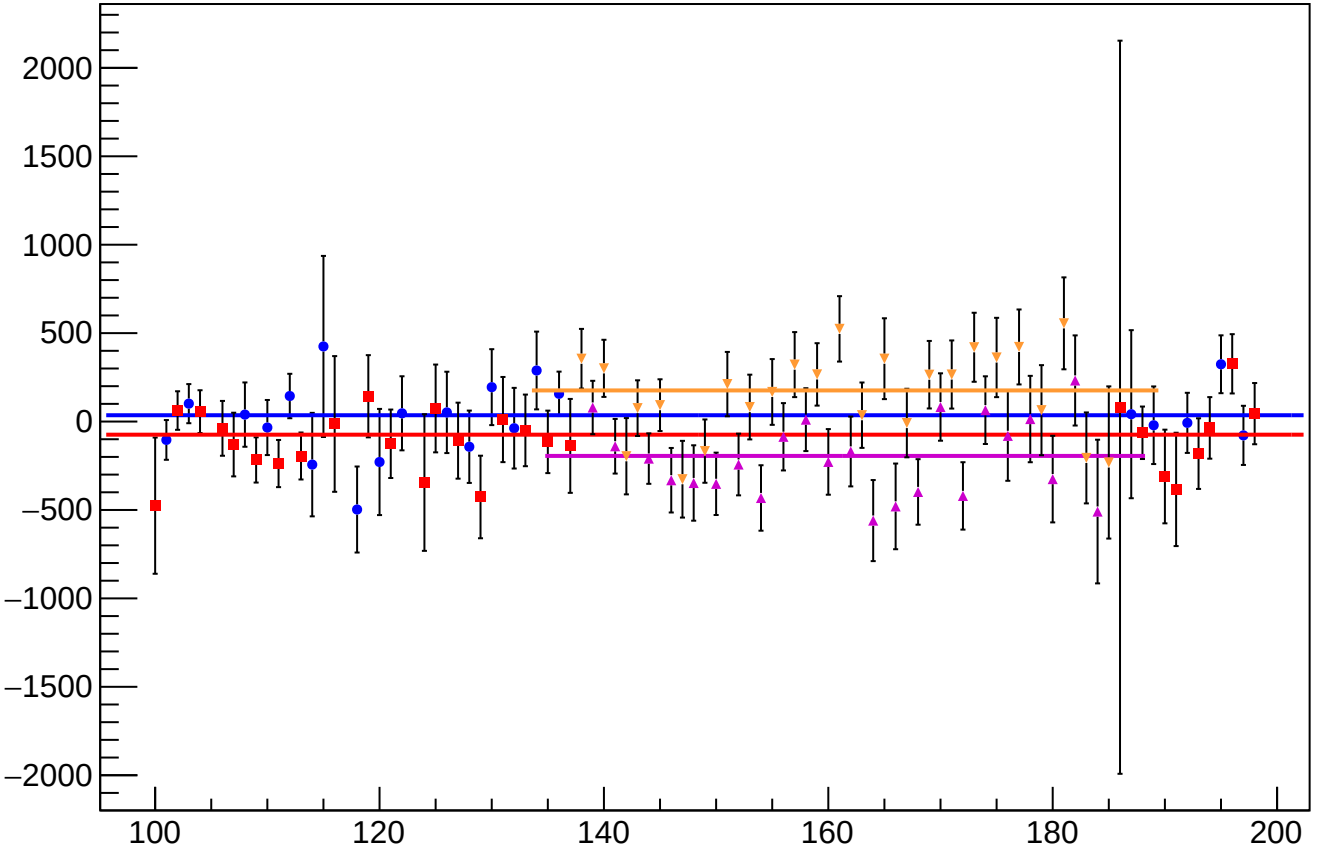
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 917.658+/-0.122 χ^2/NDF: 3210268.2/45

All: 899.445+/-0.085 χ^2/NDF: 7838286.1/95

- sign 882.813+/-0.117 χ^2/NDF: 4585595.5/49

eigen_dit_asym_sam5_mean vs Slug



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Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

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All: -14.051+/-19.089 χ^2/NDF: 140.5/95

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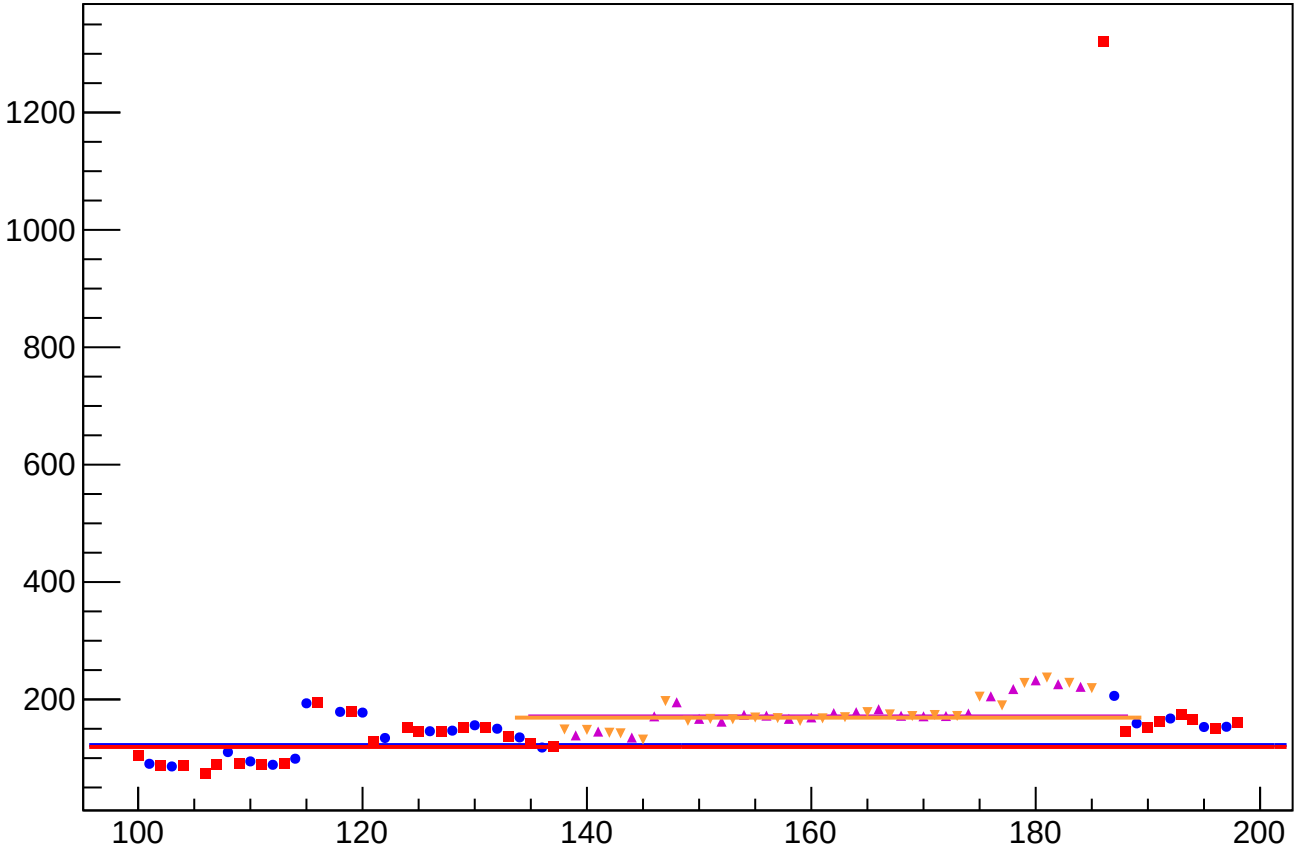
eigen_dit_asym_sam5_rms vs Slug



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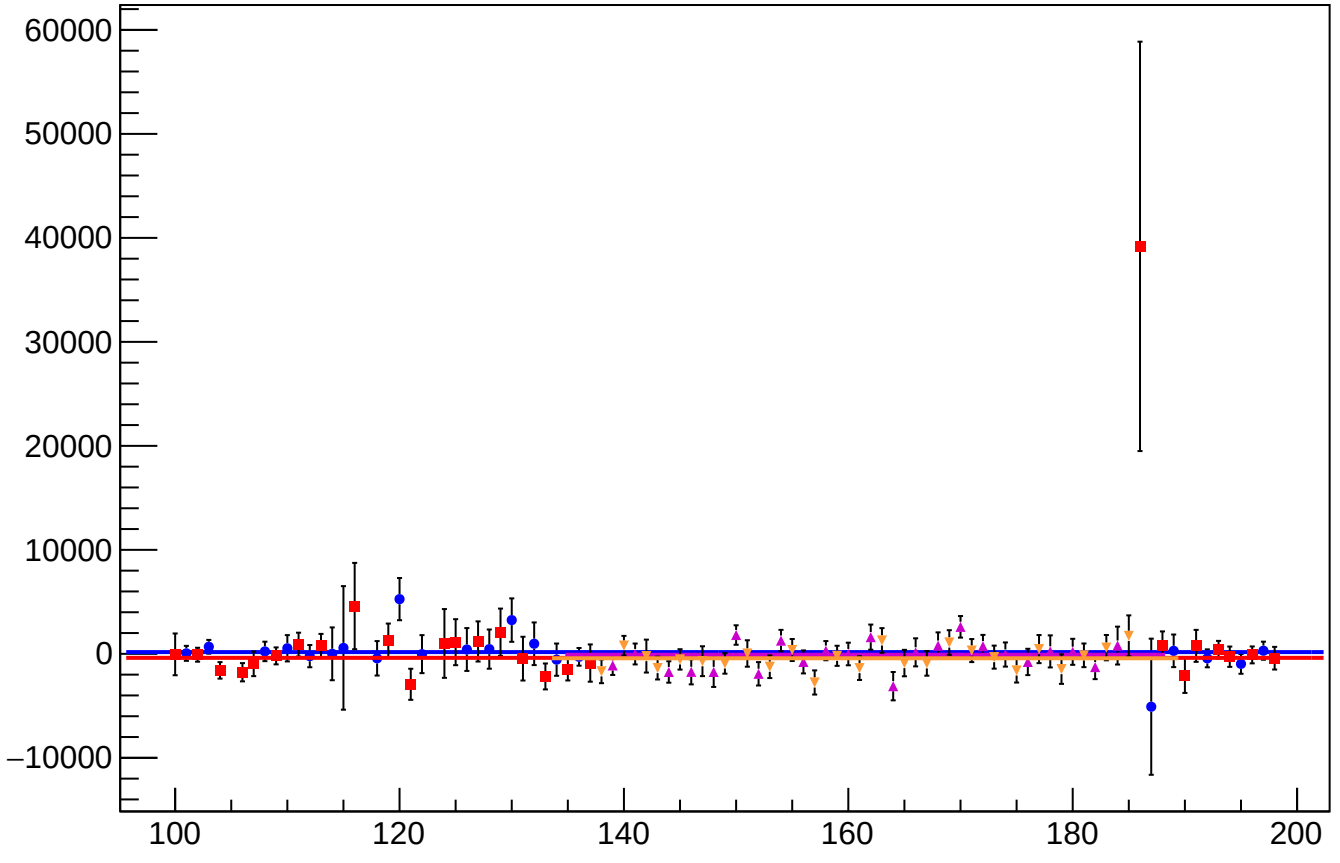
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 145.619+/-0.019 χ^2/NDF: 3591896.3/45

All: 143.501+/-0.013 χ^2/NDF: 8671655.5/95

- sign 141.522+/-0.019 χ^2/NDF: 5056751.2/49

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 167.113+/-258.775 χ^2/NDF: 12.7/20

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -384.534+/-229.615 χ^2/NDF: 26.2/26

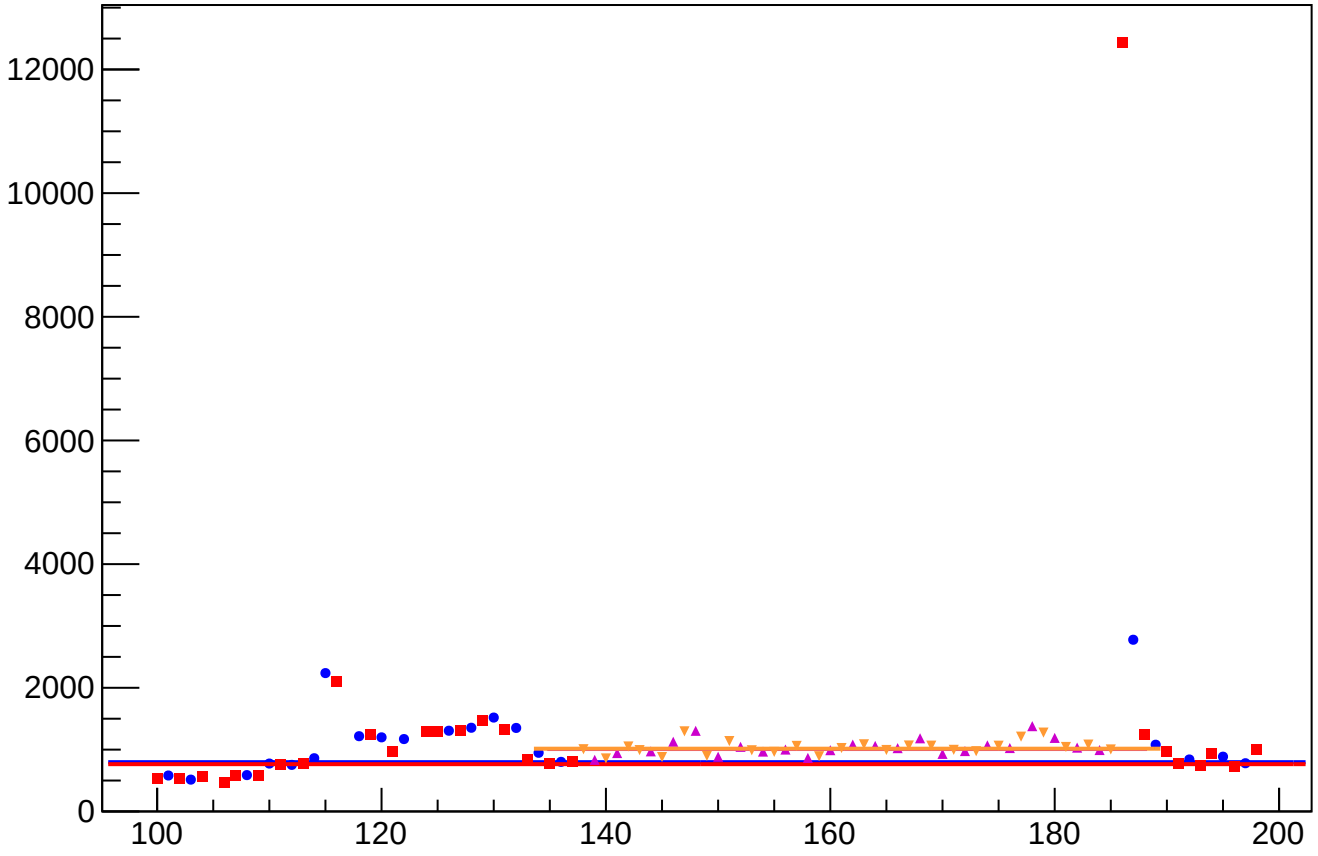
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -160.897+/-172.973 χ^2/NDF: 34.0/45

All: -202.738+/-119.505 χ^2/NDF: 93.5/95

- sign -240.950+/-165.299 χ^2/NDF: 59.4/49

asym_sam5_eigen_dit_correction_rms vs Slug



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Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 764.887+/-0.162 χ^2/NDF: 2991808.4/26

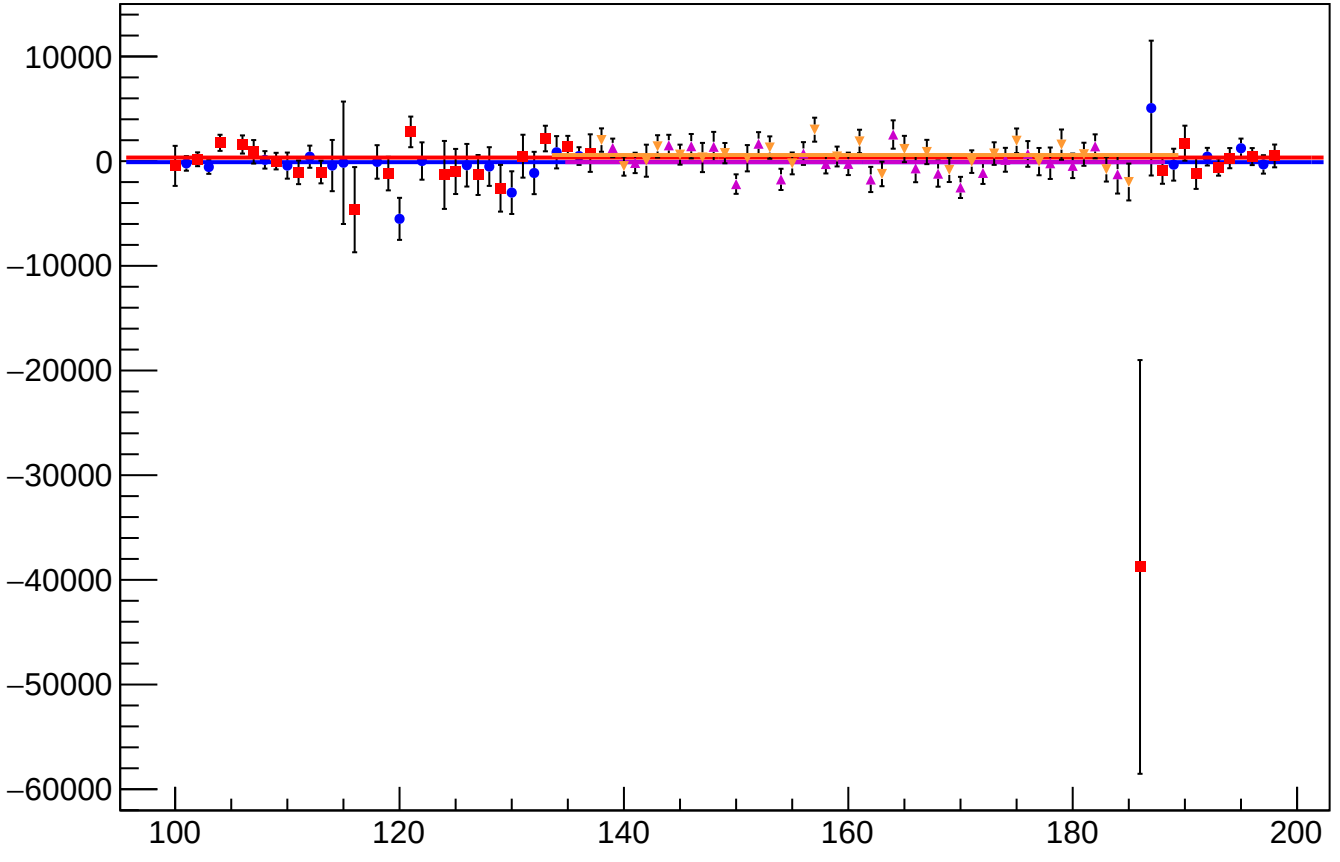
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 917.658+/-0.122 χ^2/NDF: 3210280.7/45

All: 899.445+/-0.085 χ^2/NDF: 7838318.6/95

- sign 882.813+/-0.117 χ^2/NDF: 4585615.9/49

asym_sam5_mean vs Slug



Right In: -96.443+/-252.484 χ^2/NDF: 14.6/20

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 344.513+/-225.156 χ^2/NDF: 28.5/26

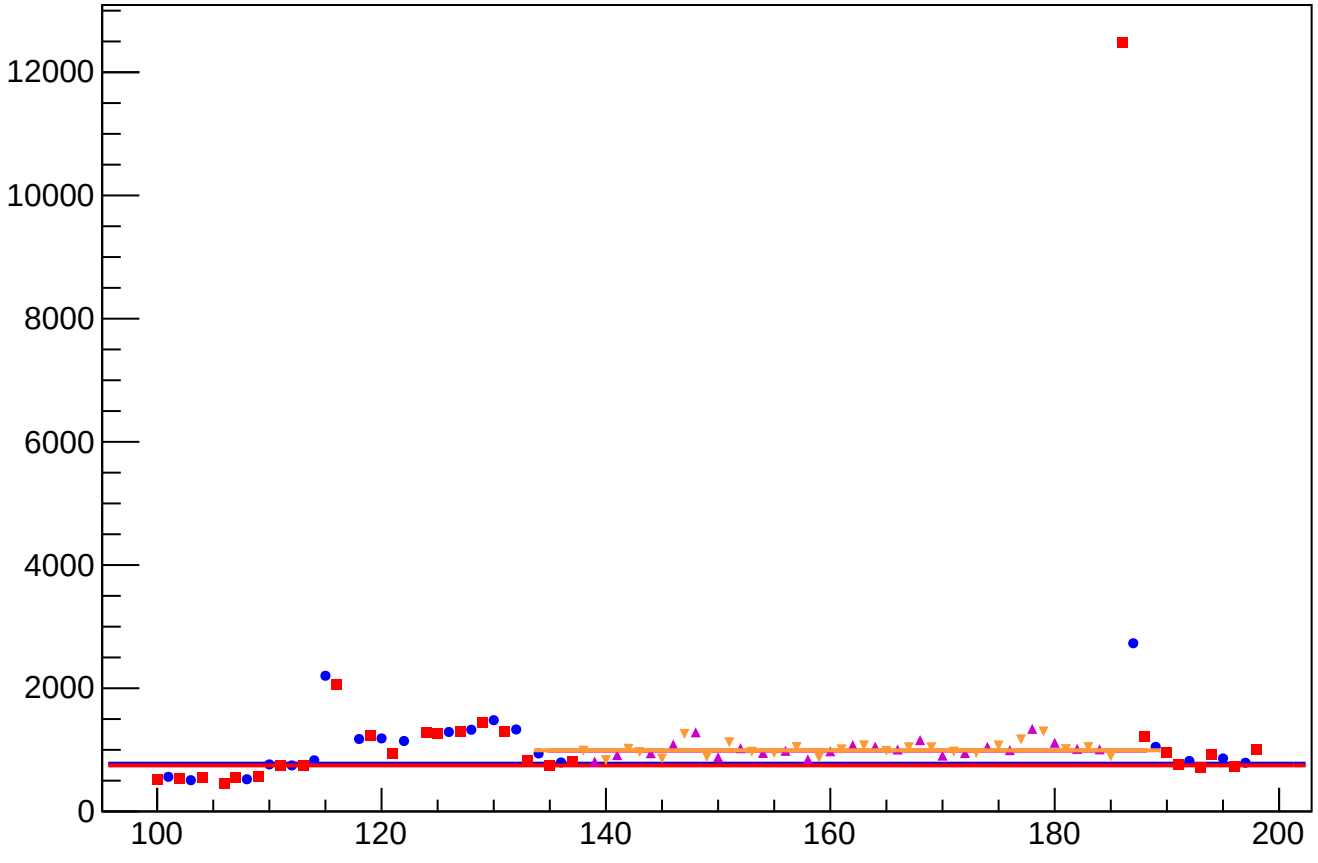
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 280.182+/-169.046 χ^2/NDF: 39.4/45

All: 203.638+/-116.932 χ^2/NDF: 104.7/95

- sign 133.413+/-161.918 χ^2/NDF: 64.9/49

asym_sam5_rms vs Slug



Right In: 775.334+/-0.179 χ^2/NDF: 2115517.6/20

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 747.748+/-0.159 χ^2/NDF: 3062780.3/26

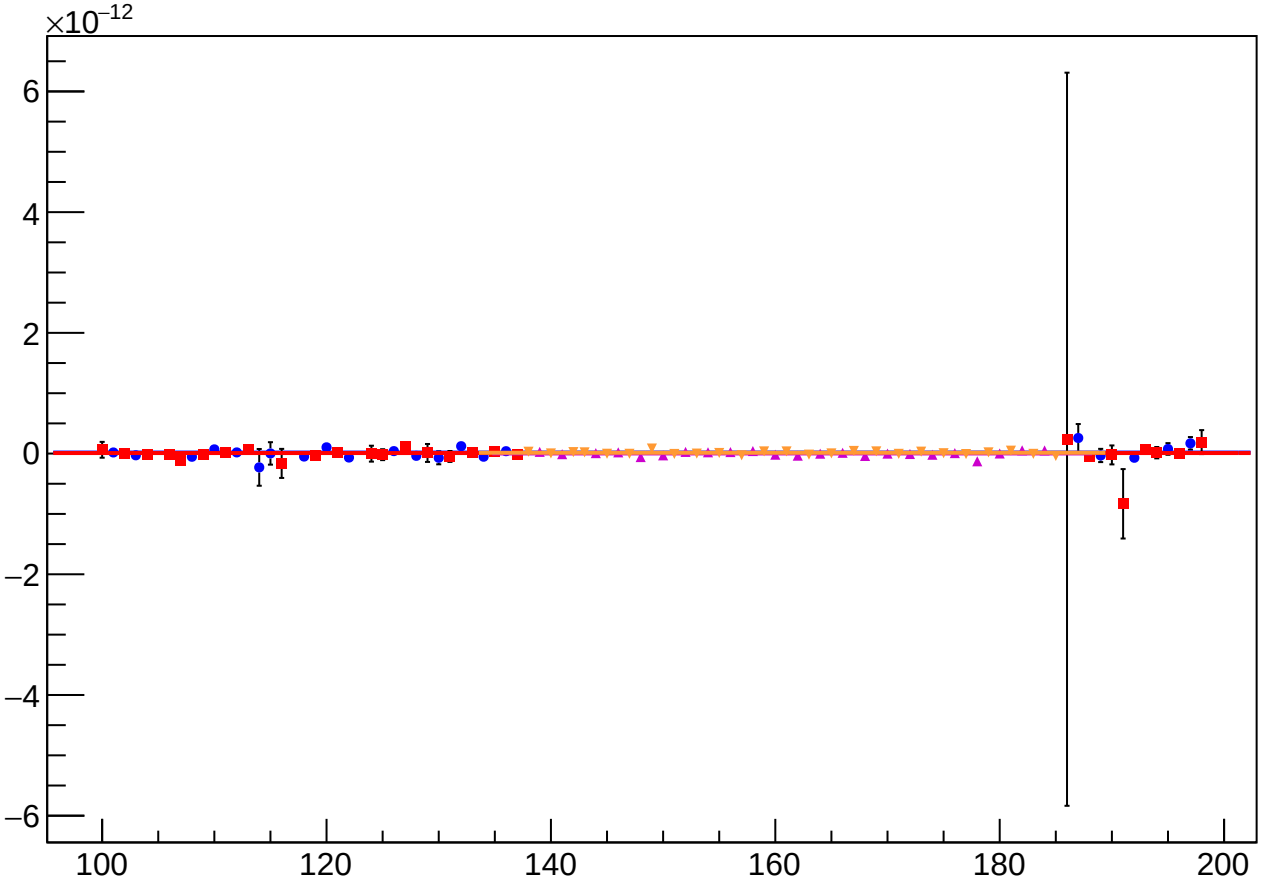
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 895.177+/-0.120 χ^2/NDF: 3357127.0/45

All: 878.734+/-0.083 χ^2/NDF: 8041462.3/95

- sign 863.648+/-0.114 χ^2/NDF: 4648051.8/49

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/26

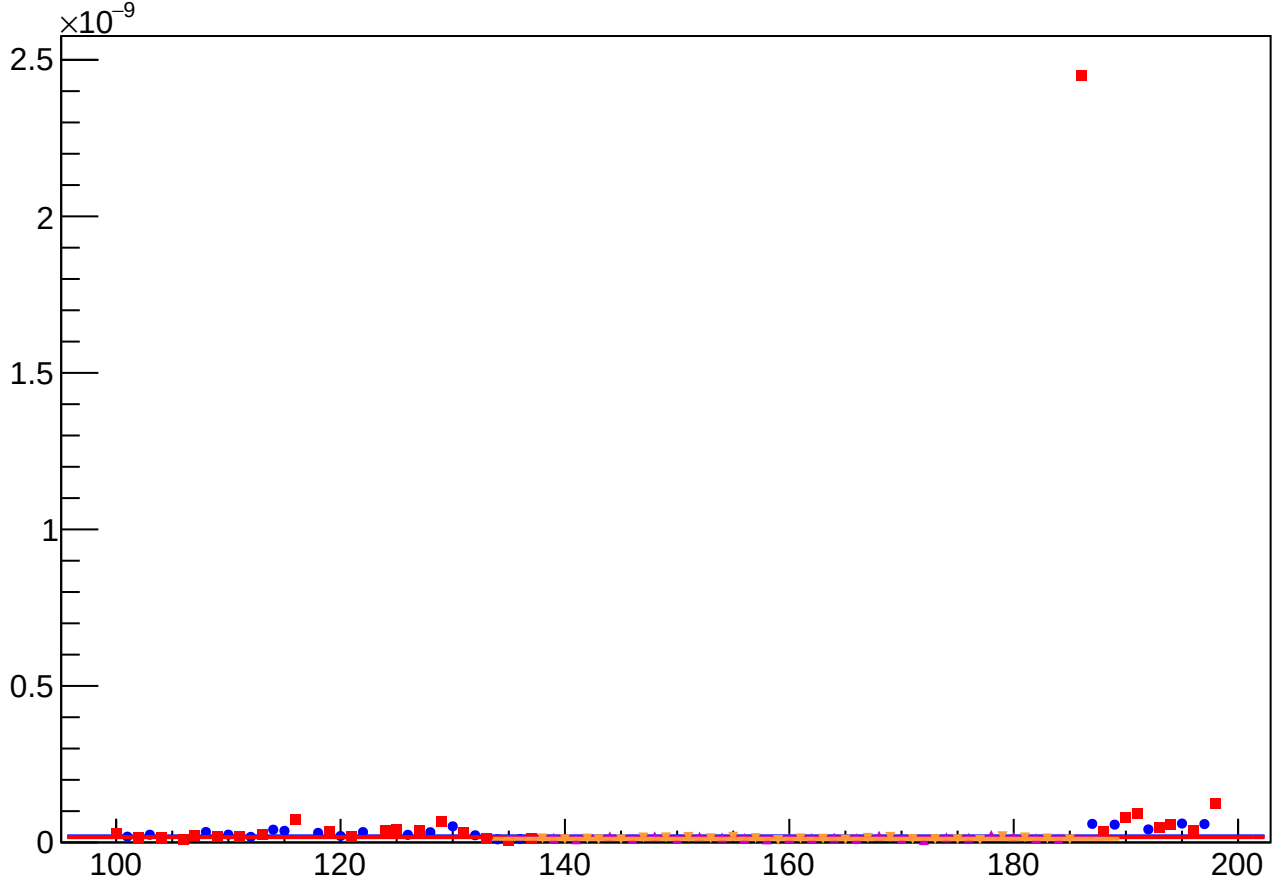
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/45

All: 0.000+/-0.000 χ^2/NDF: 96.5/95

- sign 0.000+/-0.000 χ^2/NDF: 47.4/49

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2365600.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4237870.5/26

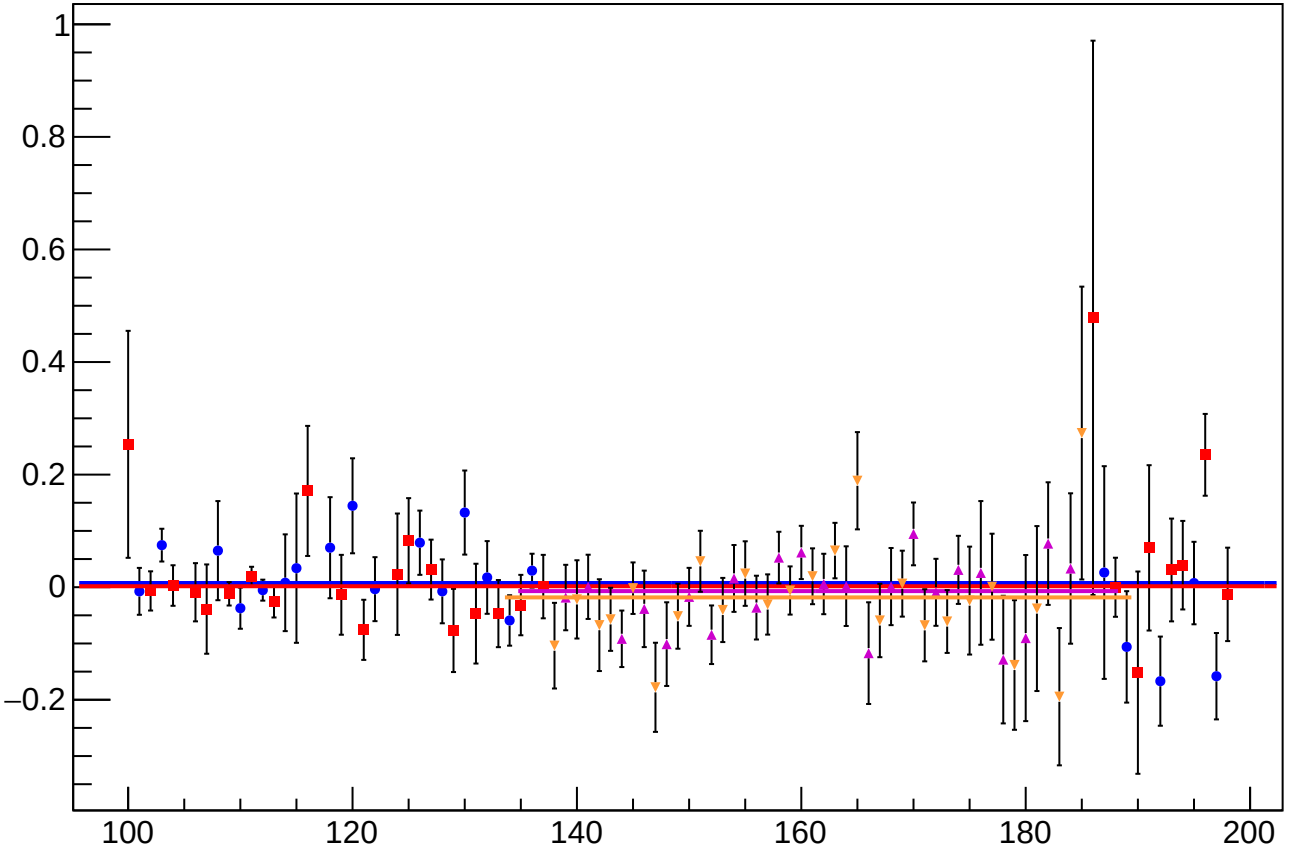
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4054755.5/45

All: 0.000+/-0.000 χ^2/NDF: 9469233.4/95

- sign 0.000+/-0.000 χ^2/NDF: 5322319.8/49

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/26

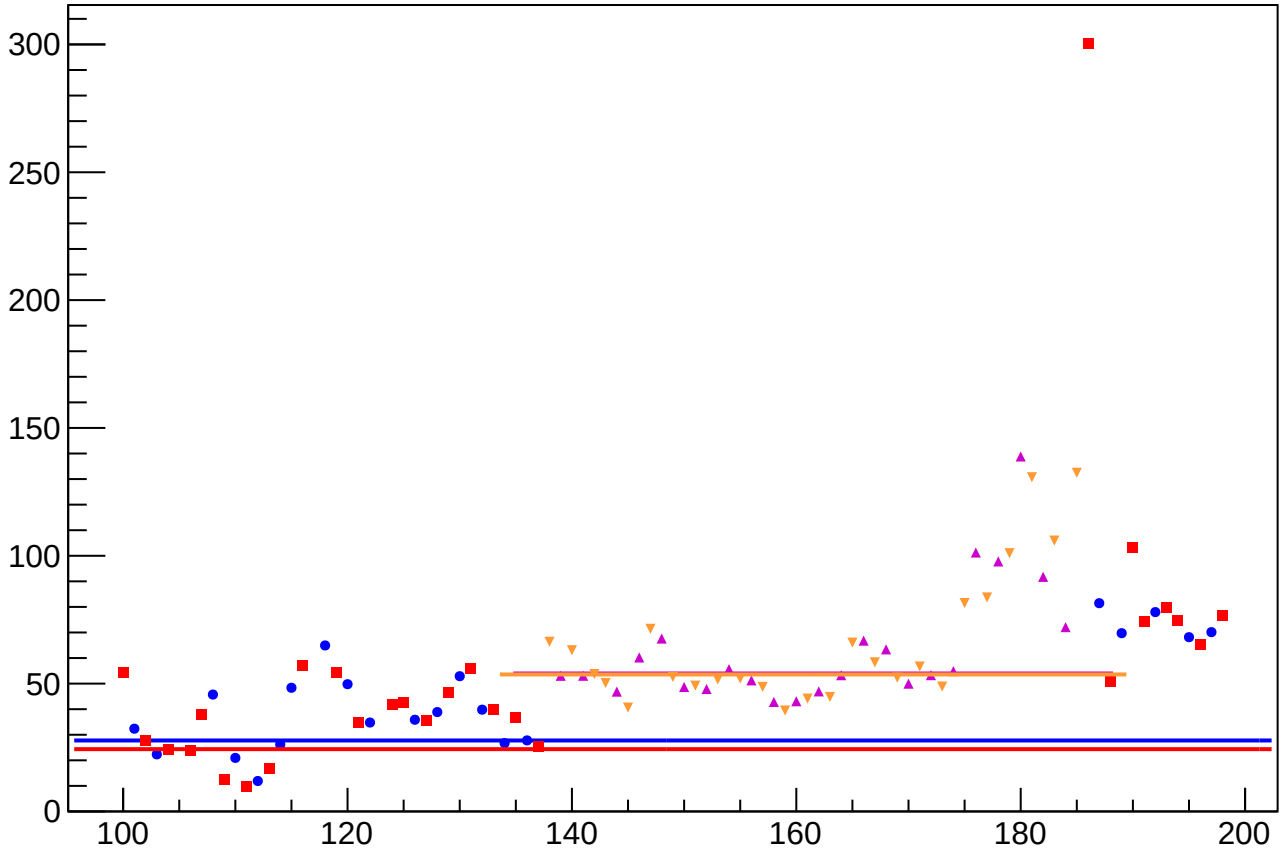
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 55.9/45

All: -0.002+/-0.005 χ^2/NDF: 100.1/95

- sign -0.001+/-0.007 χ^2/NDF: 44.2/49

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 27.762+/-0.007 χ^2/NDF: 5209721.2/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 24.372+/-0.006 χ^2/NDF: 8678713.7/26

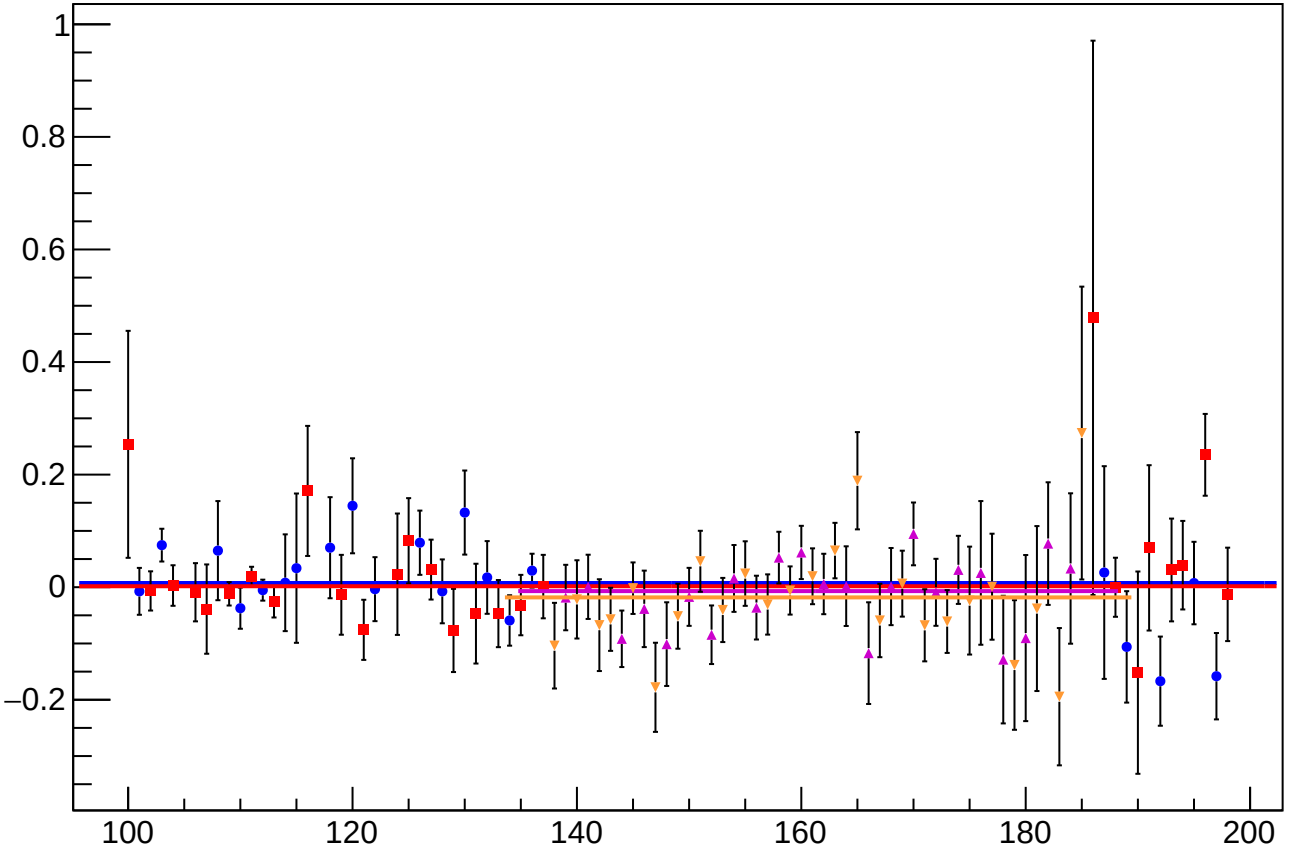
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

\+ sign 37.818+/-0.006 χ^2/NDF: 12820145.6/45

All: 35.496+/-0.004 χ^2/NDF: 30795222.4/95

\- sign 33.534+/-0.005 χ^2/NDF: 17663262.8/49

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/26

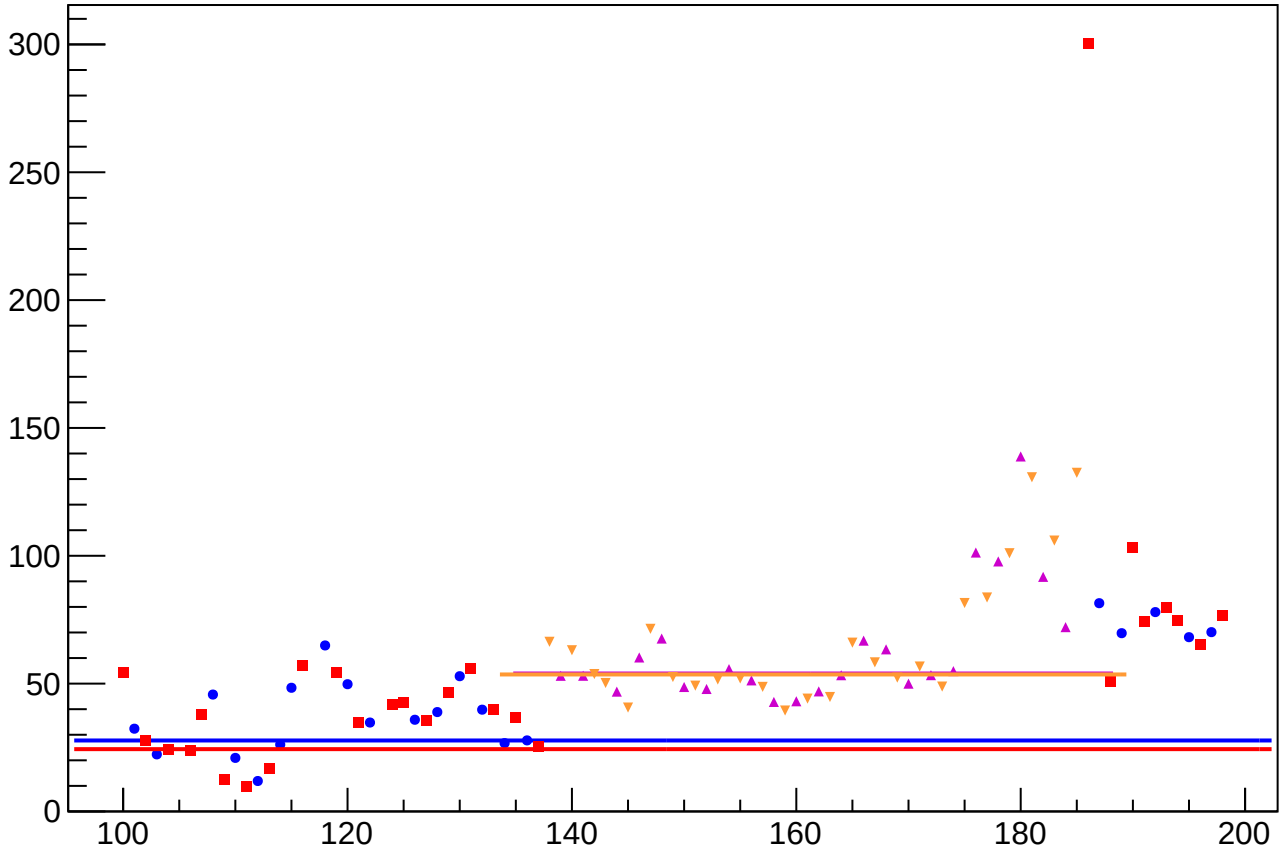
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 55.9/45

All: -0.002+/-0.005 χ^2/NDF: 100.1/95

- sign -0.001+/-0.007 χ^2/NDF: 44.2/49

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.762+/-0.007 χ^2/NDF: 5209721.2/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

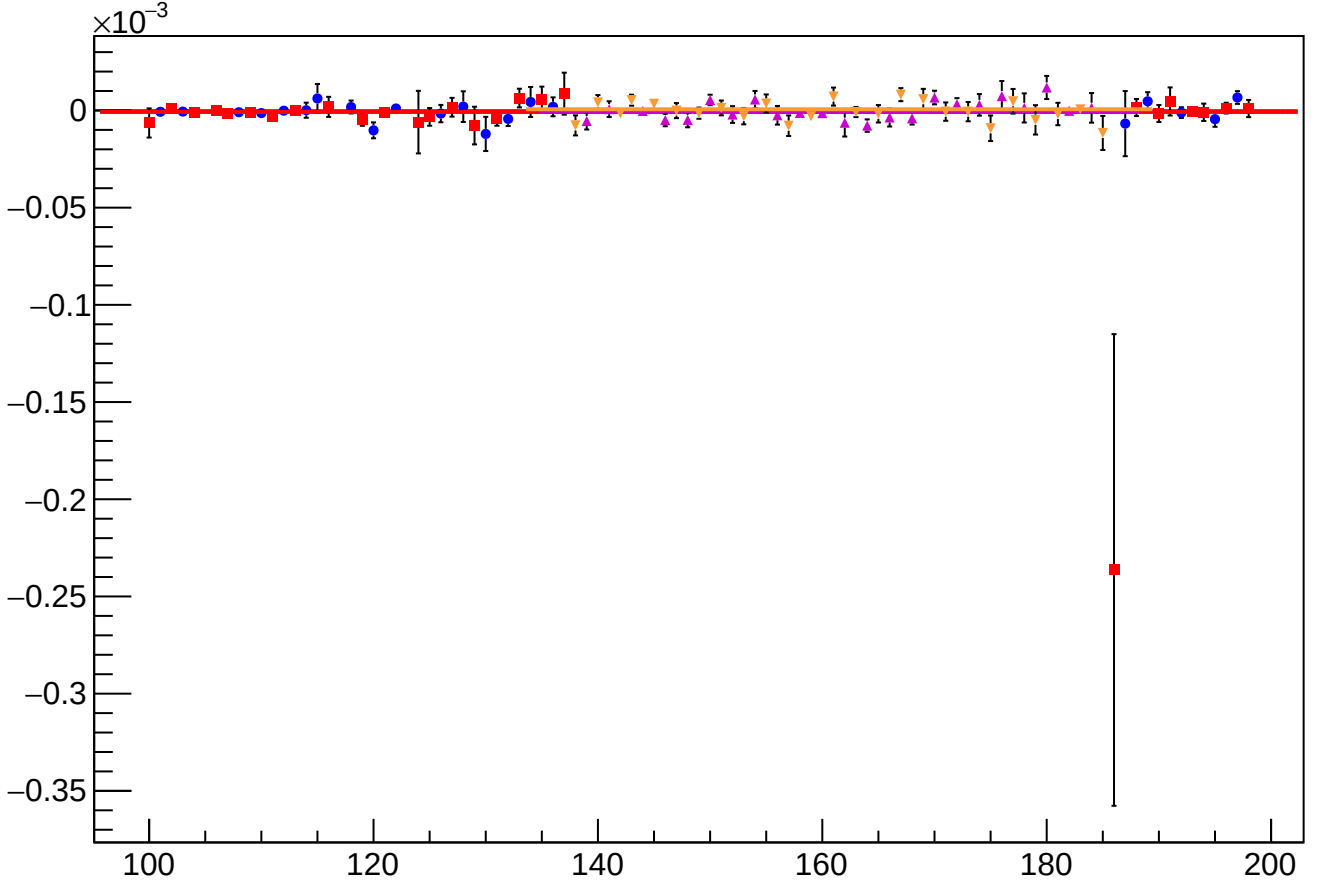
Right Out: 24.372+/-0.006 χ^2/NDF: 8678713.7/26

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 37.818+/-0.006 χ^2/NDF: 12820145.6/45

All: 35.496+/-0.004 χ^2/NDF: 30795222.4/95

- sign 33.534+/-0.005 χ^2/NDF: 17663262.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/26

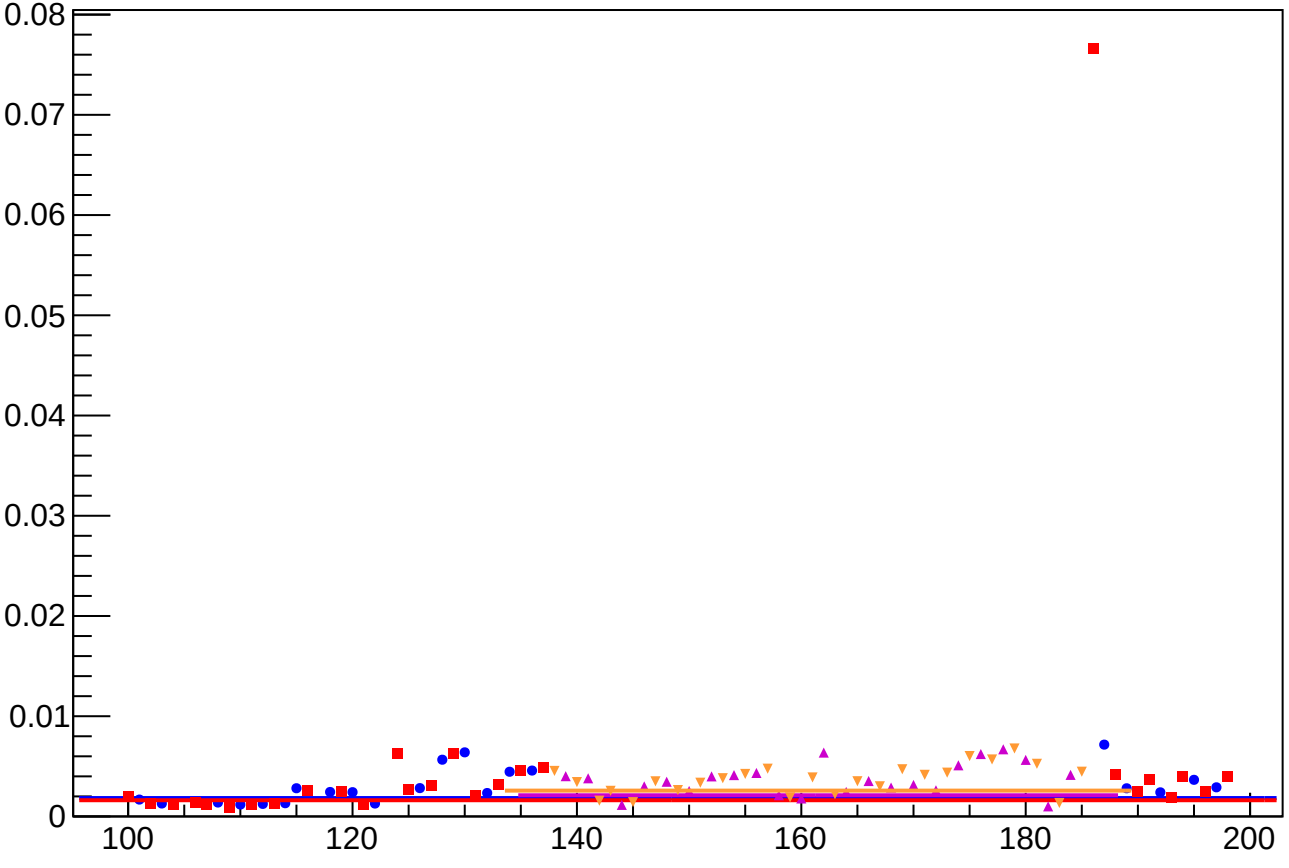
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.9/45

All: -0.000+/-0.000 χ^2/NDF: 100.3/95

- sign -0.000+/-0.000 χ^2/NDF: 48.3/49

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4083201.2/20

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6266238.6/26

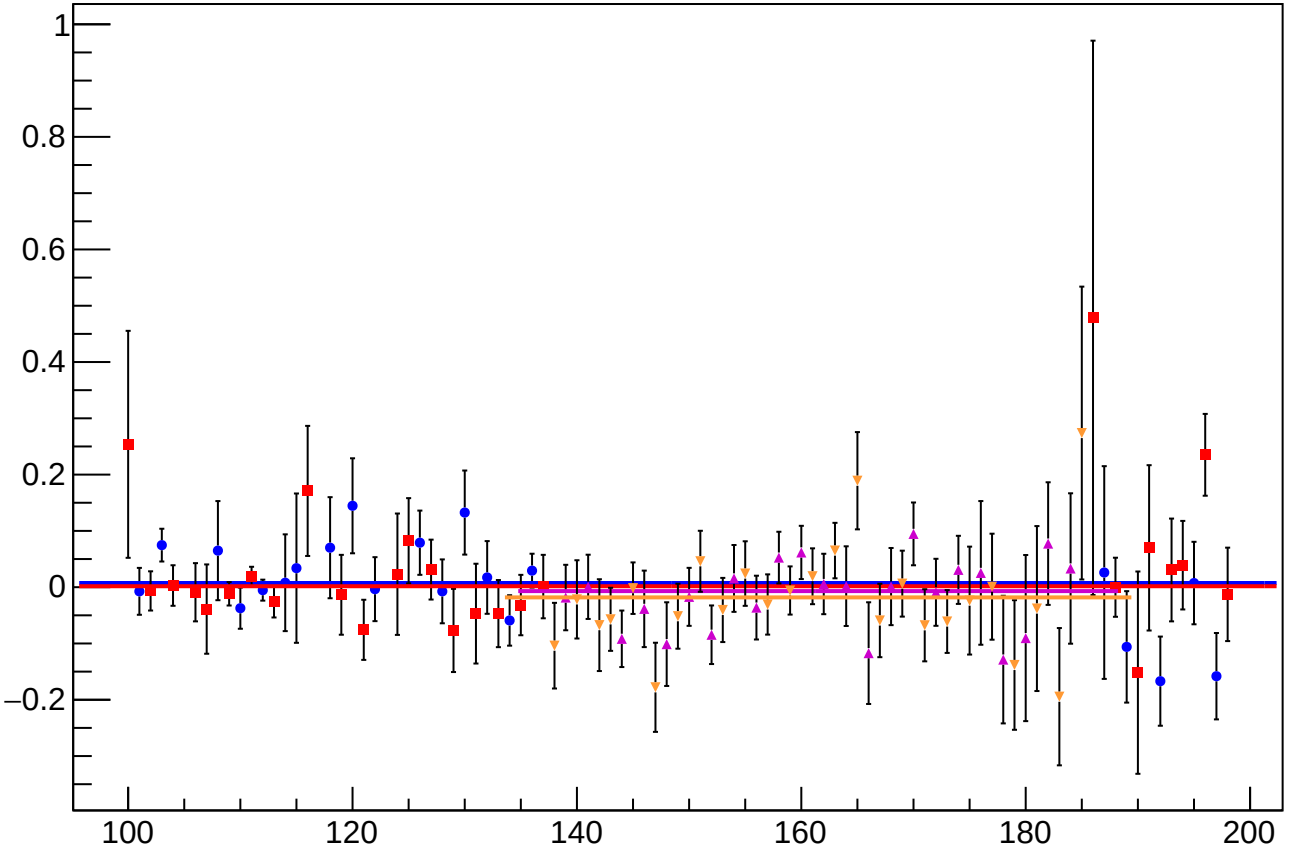
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12474989.2/45

All: 0.002+/-0.000 χ^2/NDF: 29670212.9/95

- sign 0.002+/-0.000 χ^2/NDF: 16530271.1/49

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/26

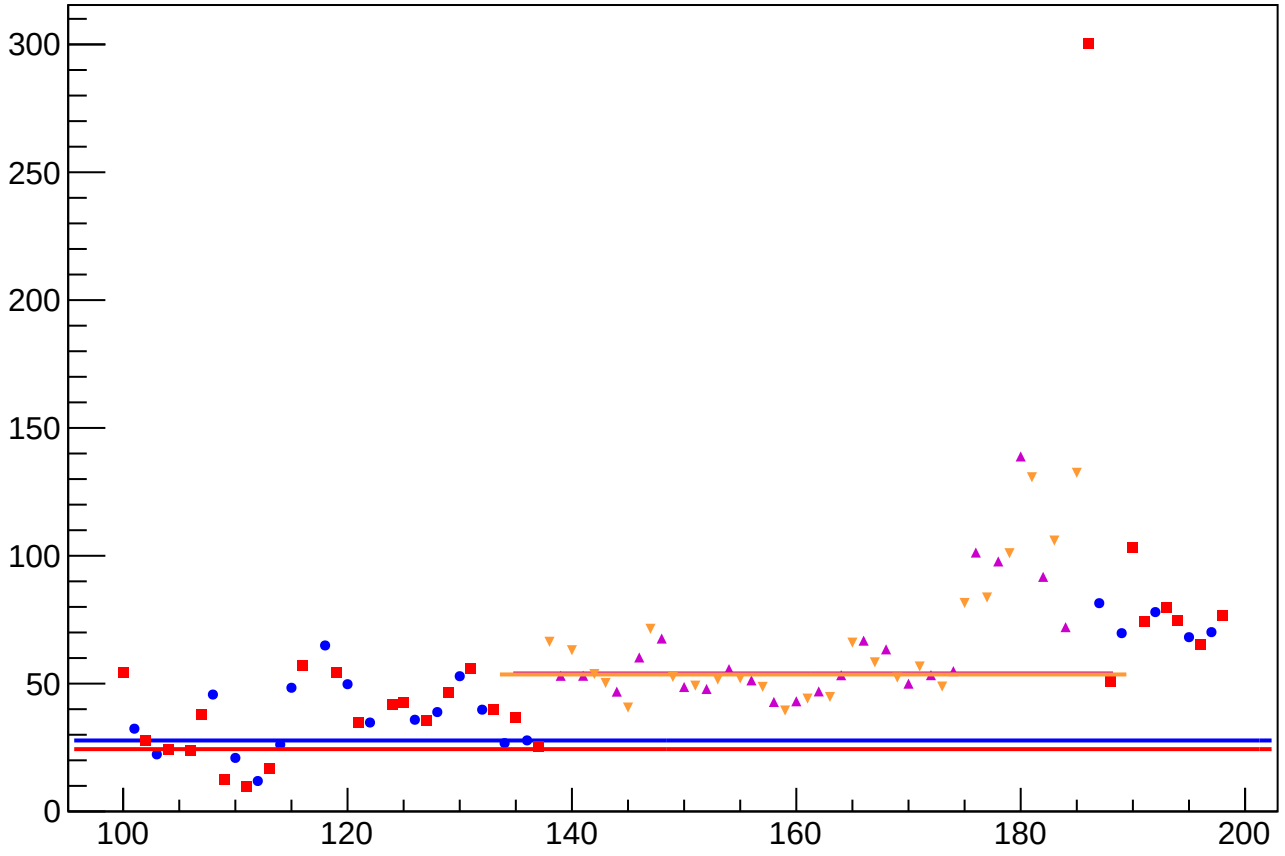
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 55.9/45

All: -0.002+/-0.005 χ^2/NDF: 100.1/95

- sign -0.001+/-0.007 χ^2/NDF: 44.2/49

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.762+/-0.007 χ^2/NDF: 5209735.6/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

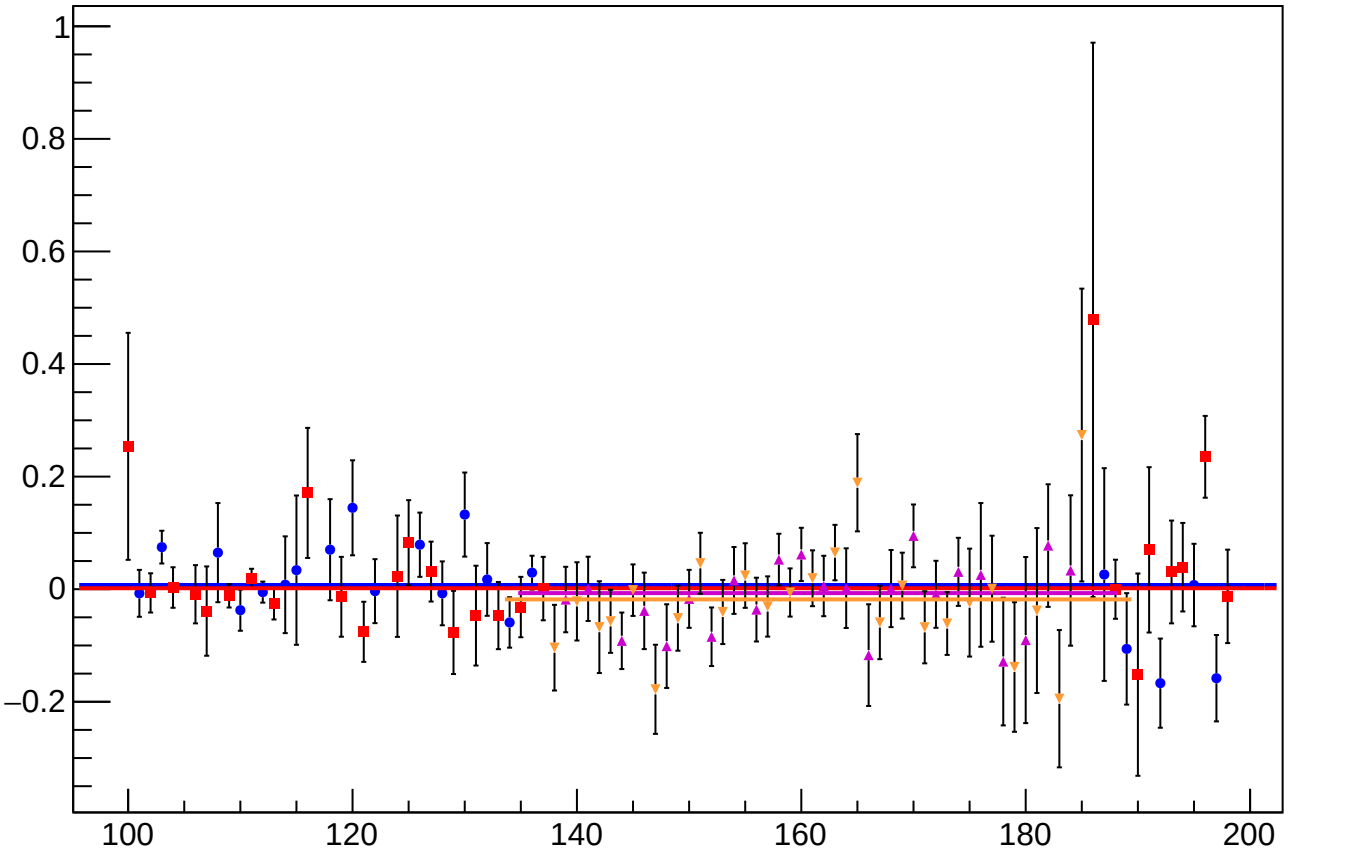
Right Out: 24.371+/-0.006 χ^2/NDF: 8678815.5/26

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.817+/-0.006 χ^2/NDF: 12820583.8/45

All: 35.495+/-0.004 χ^2/NDF: 30796297.6/95

- sign 33.533+/-0.005 χ^2/NDF: 17663873.6/49



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/26

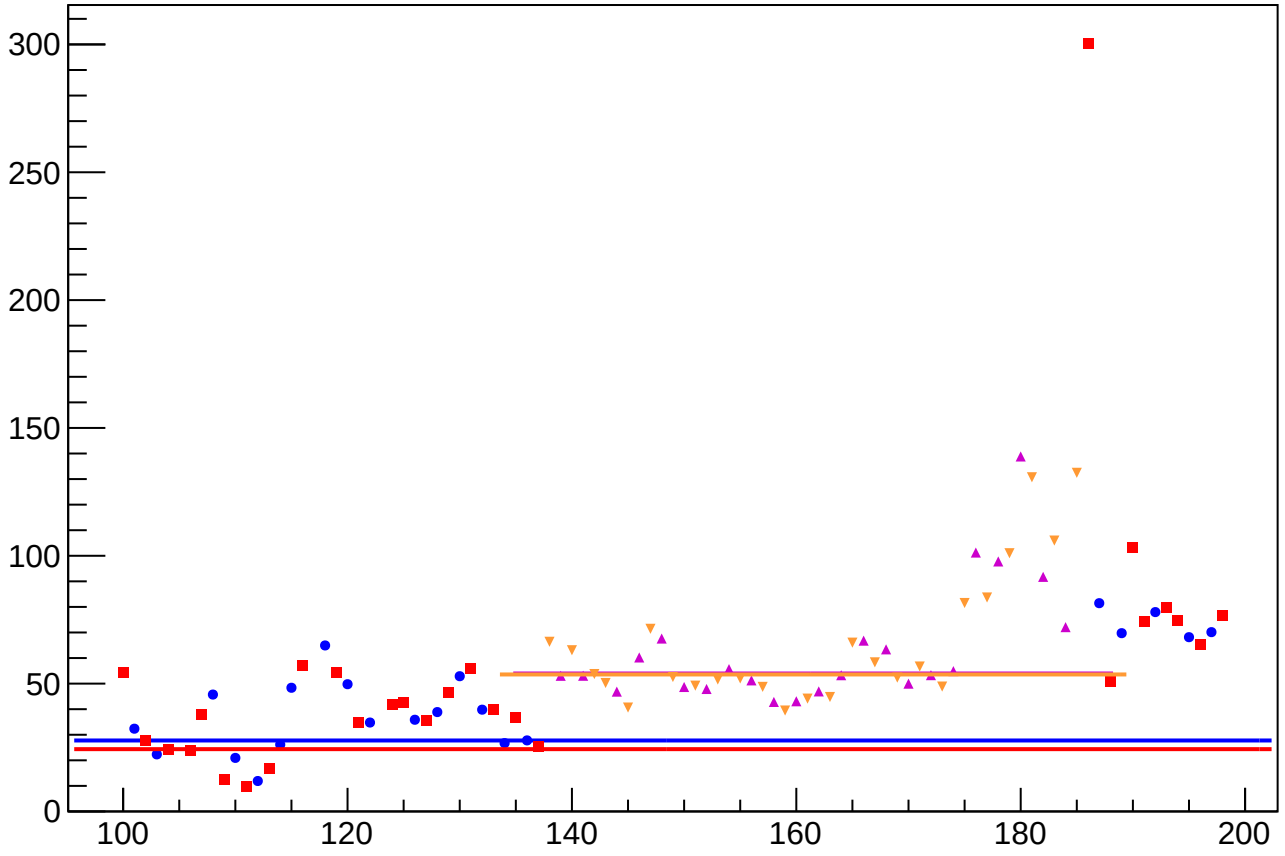
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 55.9/45

All: -0.002+/-0.005 χ^2/NDF: 100.1/95

- sign -0.001+/-0.007 χ^2/NDF: 44.2/49

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.762+/-0.007 χ^2/NDF: 5209735.6/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

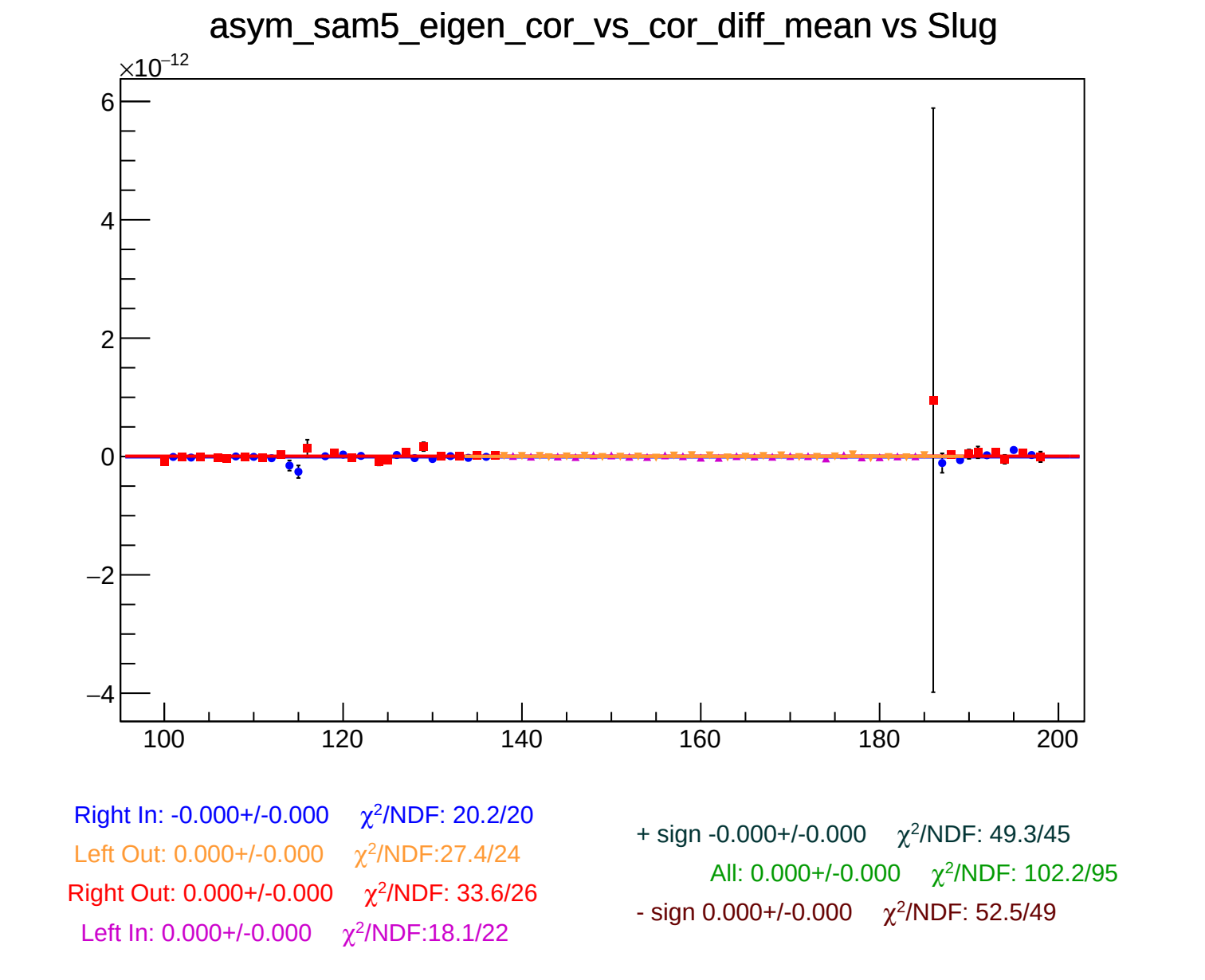
Right Out: 24.371+/-0.006 χ^2/NDF: 8678815.5/26

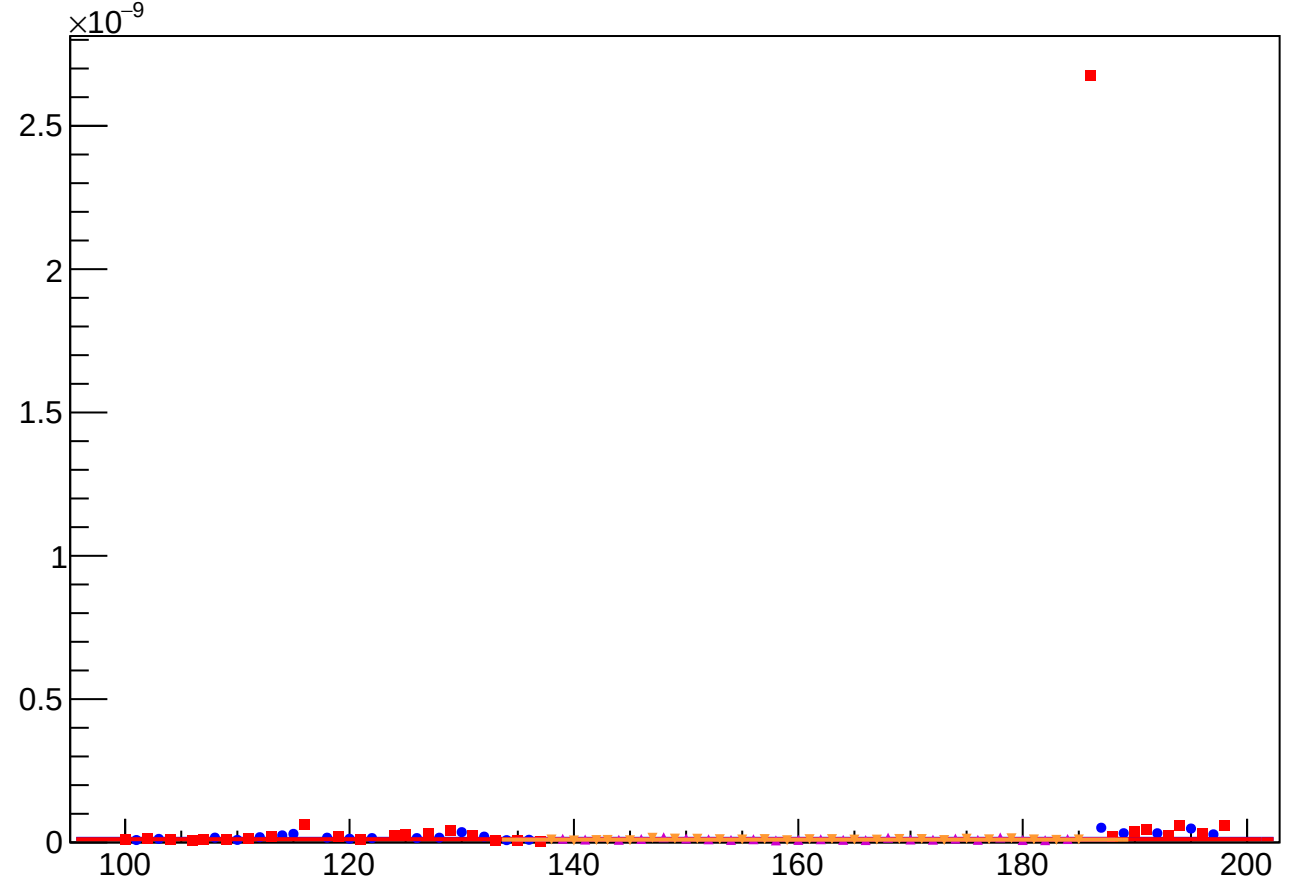
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.817+/-0.006 χ^2/NDF: 12820583.8/45

All: 35.495+/-0.004 χ^2/NDF: 30796297.6/95

- sign 33.533+/-0.005 χ^2/NDF: 17663873.6/49


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: 20.2/20
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.6/26
Left In: 0.000+/-0.000 χ²/NDF:18.1/22
+ sign -0.000+/-0.000 χ²/NDF: 49.3/45
All: 0.000+/-0.000 χ²/NDF: 102.2/95
- sign 0.000+/-0.000 χ²/NDF: 52.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 2890281.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6032569.4/26

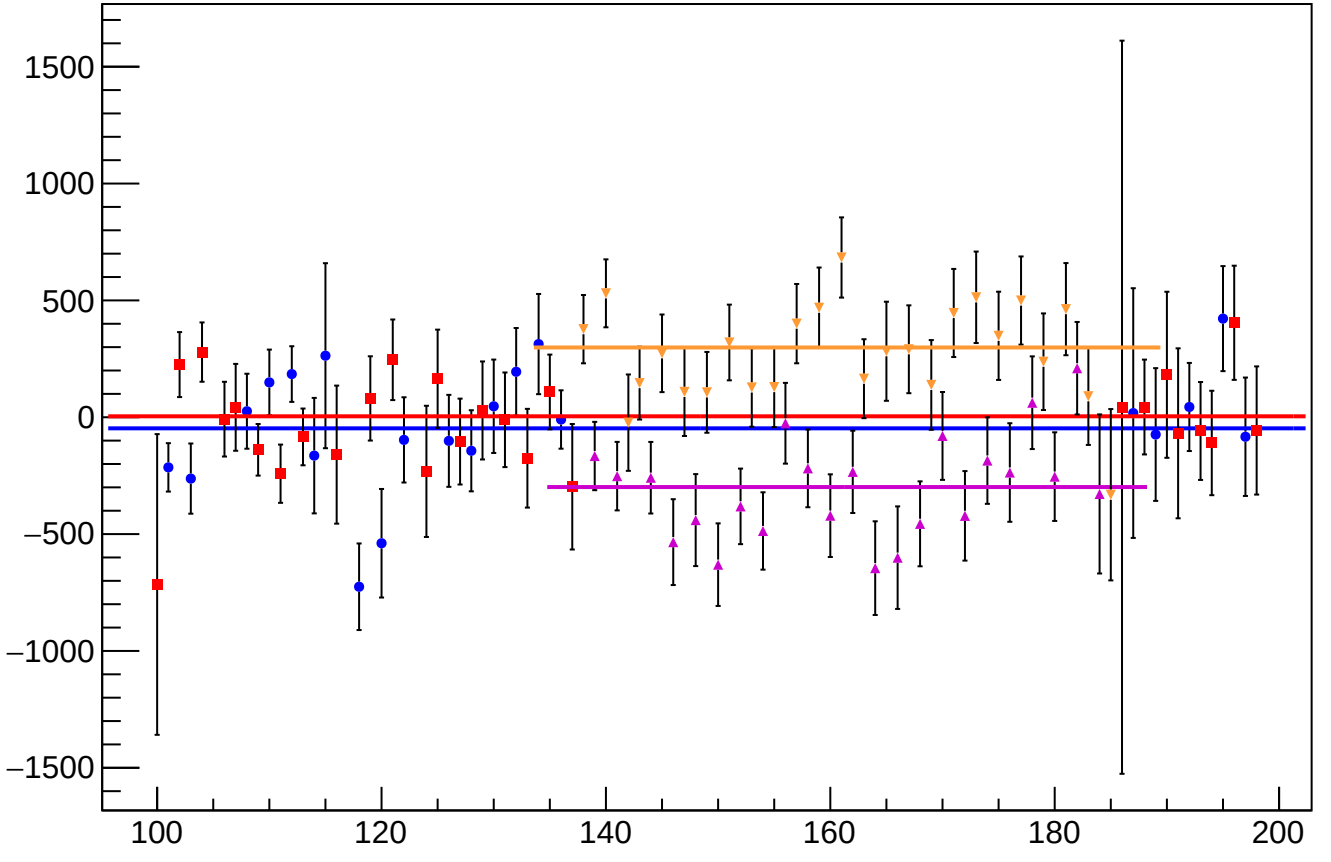
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4484761.1/45

All: 0.000+/-0.000 χ^2/NDF: 11906509.9/95

- sign 0.000+/-0.000 χ^2/NDF: 7420487.7/49

reg_asym_sam6_mean vs Slug



Right In: -47.446+/-38.458 χ^2/NDF: 39.3/20

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 4.058+/-35.920 χ^2/NDF: 24.6/26

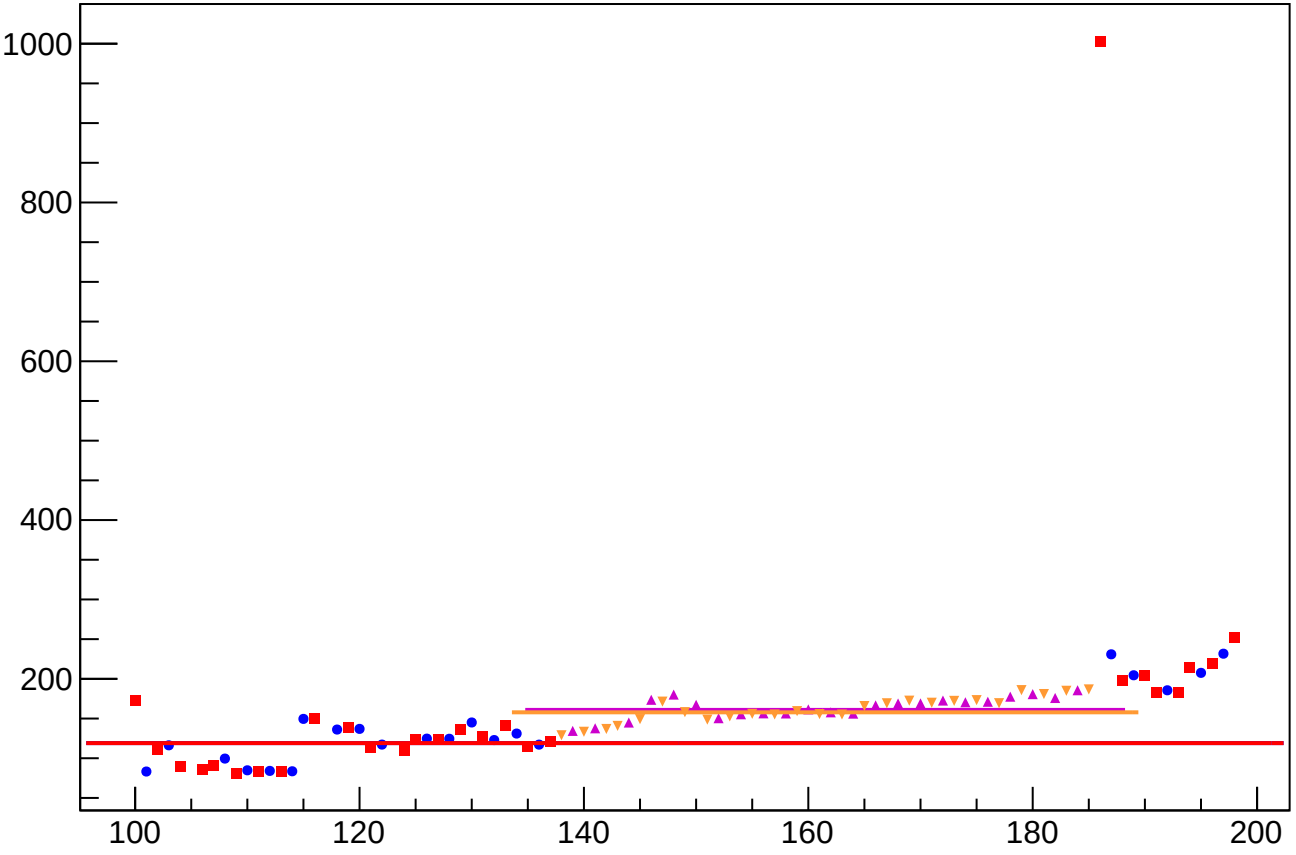
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 136.700+/-26.301 χ^2/NDF: 108.3/45

All: -3.110+/-18.496 χ^2/NDF: 252.0/95

- sign -139.885+/-26.014 χ^2/NDF: 87.8/49

reg_asym_sam6_rms vs Slug



Right In: 119.087+/-0.027 χ^2/NDF: 1911488.3/20

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 119.047+/-0.025 χ^2/NDF: 3409115.9/26

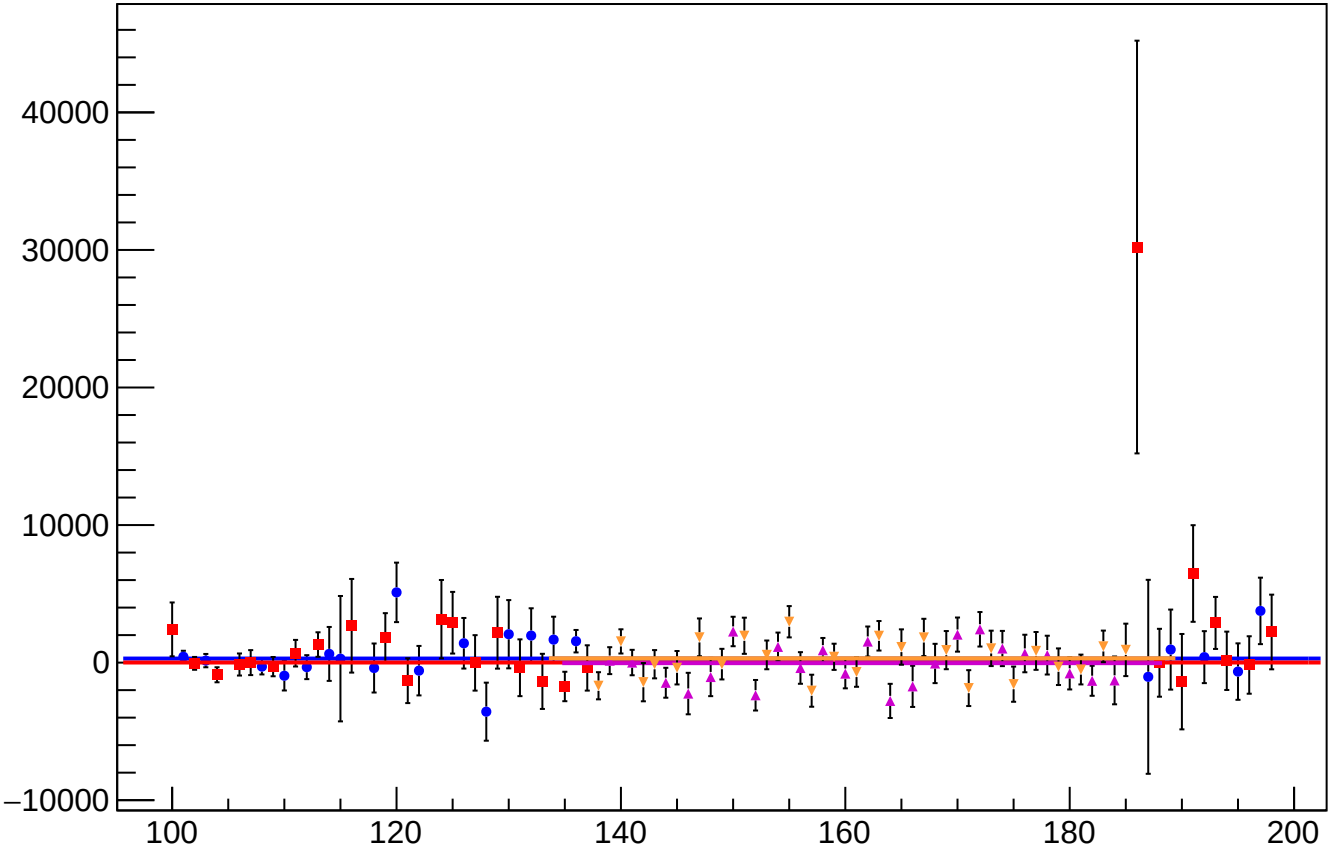
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 139.712+/-0.019 χ^2/NDF: 3369436.1/45

All: 139.319+/-0.013 χ^2/NDF: 8337214.6/95

- sign 138.935+/-0.018 χ^2/NDF: 4966896.0/49

asym_sam6_reg_correction_mean vs Slug



Right In: 295.322+/-225.749 χ^2/NDF: 18.8/20

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 7.853+/-224.995 χ^2/NDF: 26.8/26

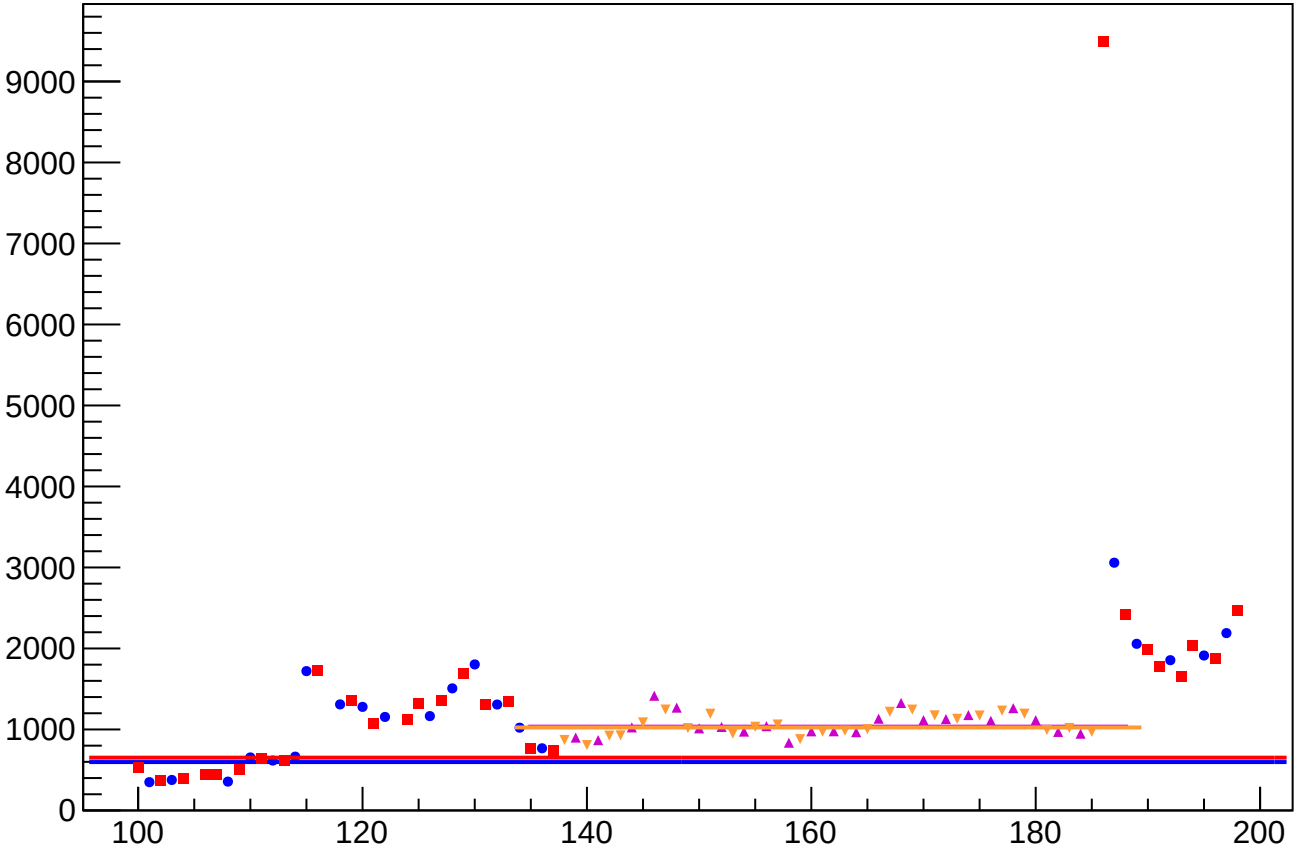
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 307.136+/-162.829 χ^2/NDF: 51.4/45

All: 149.258+/-116.055 χ^2/NDF: 114.8/95

- sign -13.754+/-165.455 χ^2/NDF: 61.6/49

asym_sam6_reg_correction_rms vs Slug



Right In: 597.377+/-0.160 χ^2/NDF: 7099921.9/20

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 651.628+/-0.159 χ^2/NDF: 8623794.5/26

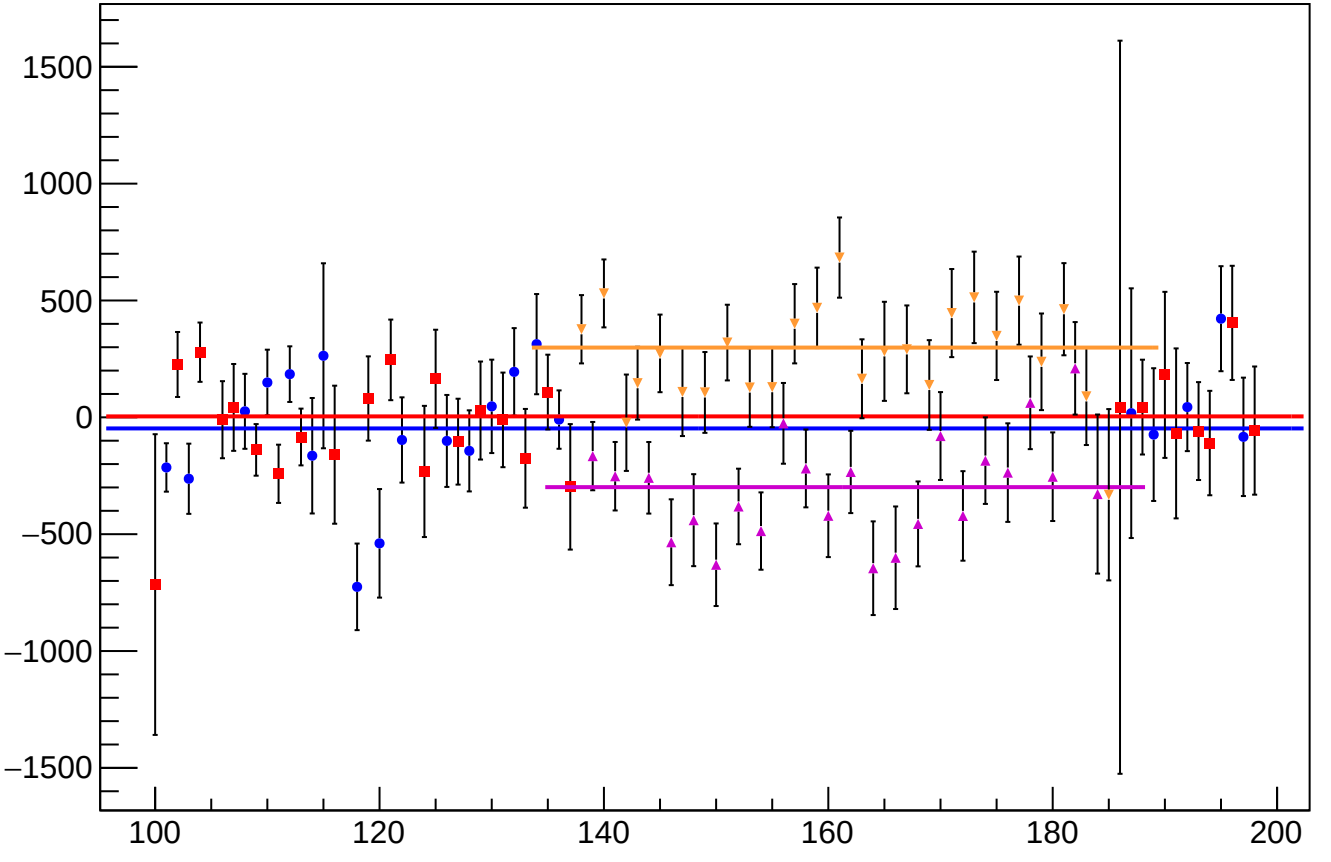
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 802.286+/-0.115 χ^2/NDF: 11132246.8/45

All: 814.651+/-0.082 χ^2/NDF: 23066572.1/95

- sign 827.419+/-0.117 χ^2/NDF: 11910881.7/49

cor_asym_sam6_mean vs Slug



Right In: -47.470+/-38.458 χ^2/NDF: 39.3/20

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 4.038+/-35.975 χ^2/NDF: 24.6/26

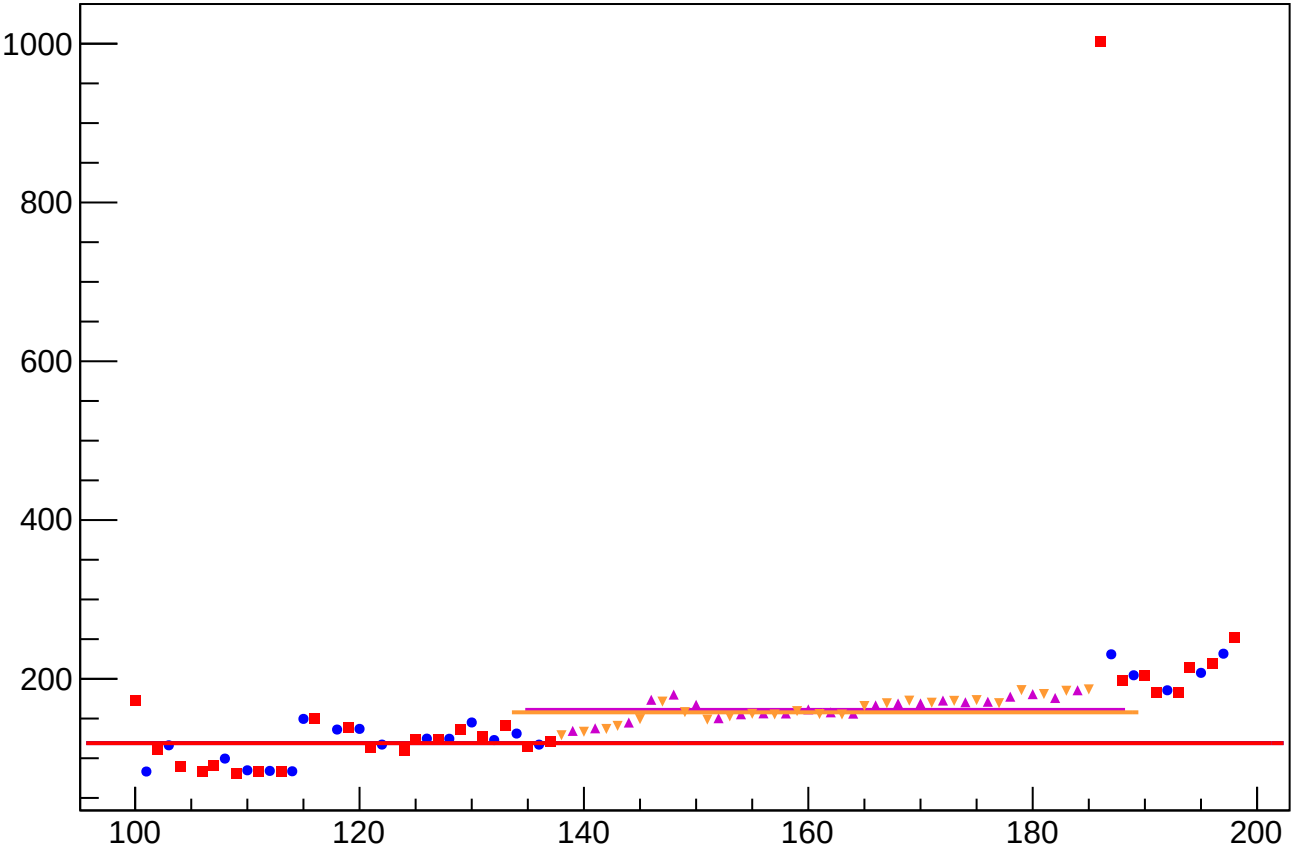
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.690+/-26.301 χ^2/NDF: 108.3/45

All: -3.128+/-18.503 χ^2/NDF: 252.0/95

- sign -140.131+/-26.035 χ^2/NDF: 87.7/49

cor_asym_sam6_rms vs Slug



Right In: 119.087+/-0.027 χ^2/NDF: 1911488.0/20

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 119.000+/-0.025 χ^2/NDF: 3419971.3/26

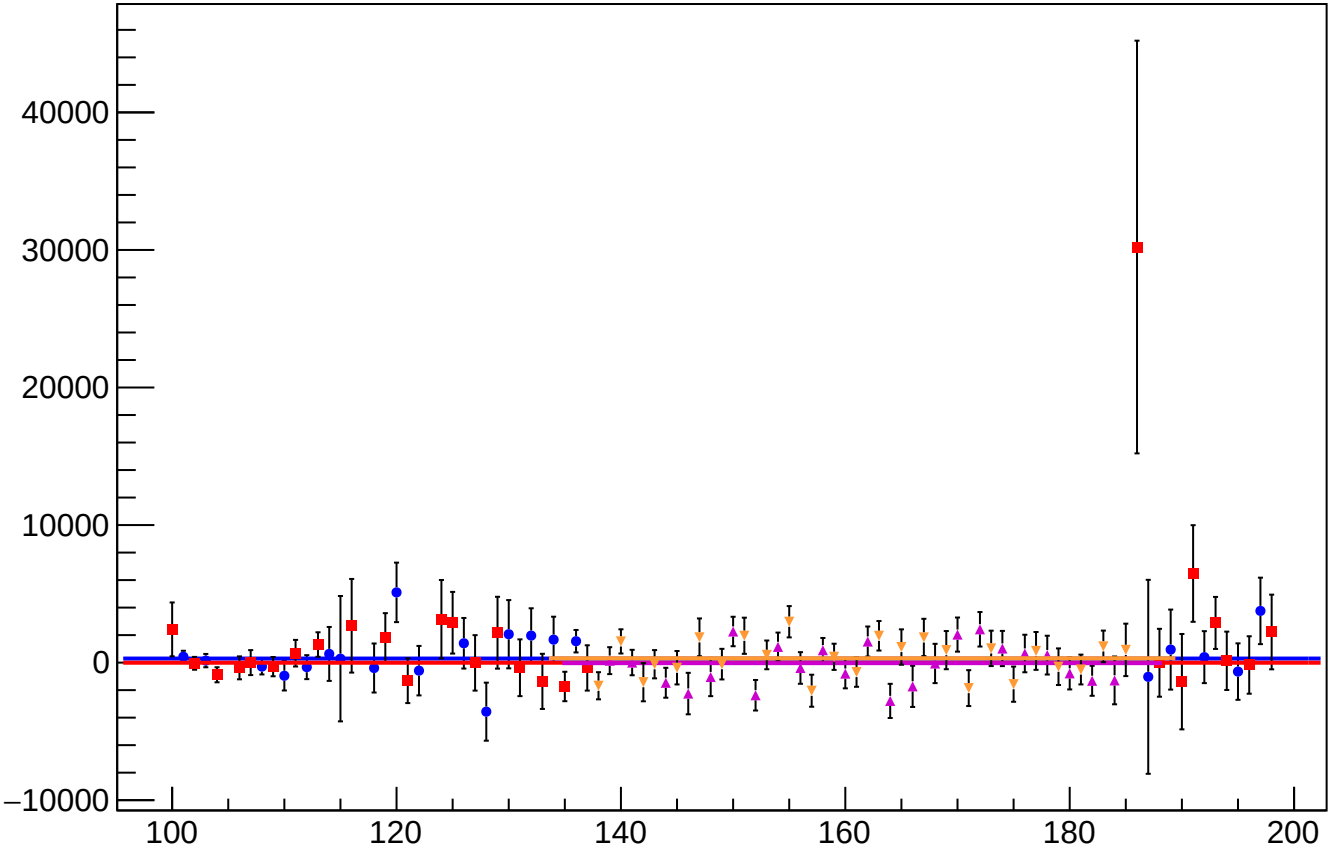
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 139.712+/-0.019 χ^2/NDF: 3369432.4/45

All: 139.323+/-0.013 χ^2/NDF: 8349109.9/95

- sign 138.942+/-0.018 χ^2/NDF: 4978811.6/49

asym_sam6_cor_correction_mean vs Slug



Right In: 295.454+/-225.742 χ^2/NDF: 18.8/20

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -8.369+/-225.565 χ^2/NDF: 26.9/26

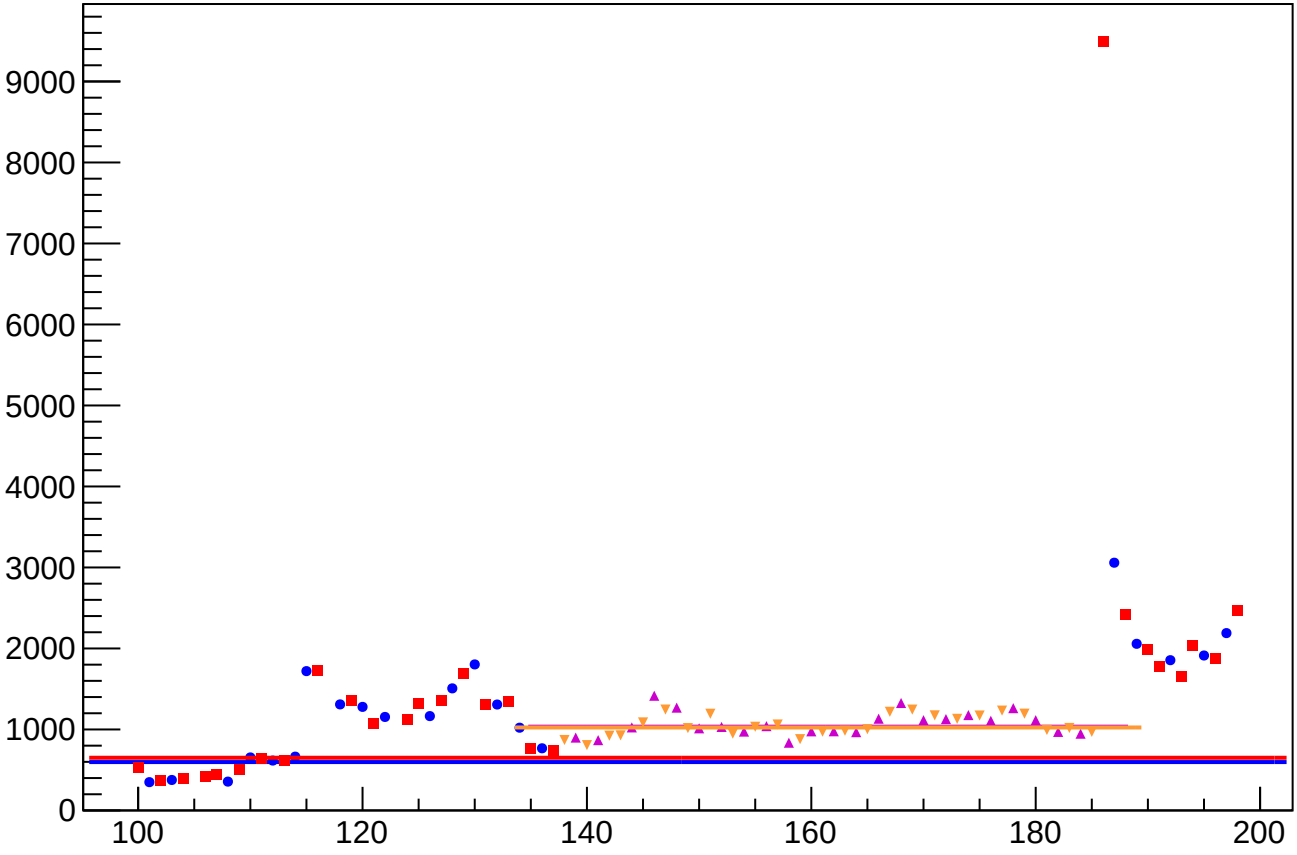
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

\+ sign 307.207+/-162.826 χ^2/NDF: 51.4/45

All: 145.187+/-116.132 χ^2/NDF: 115.1/95

\- sign -22.565+/-165.682 χ^2/NDF: 61.7/49

asym_sam6_cor_correction_rms vs Slug



Right In: 597.352+/-0.160 χ^2/NDF: 7100230.8/20

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 650.599+/-0.159 χ^2/NDF: 8652324.6/26

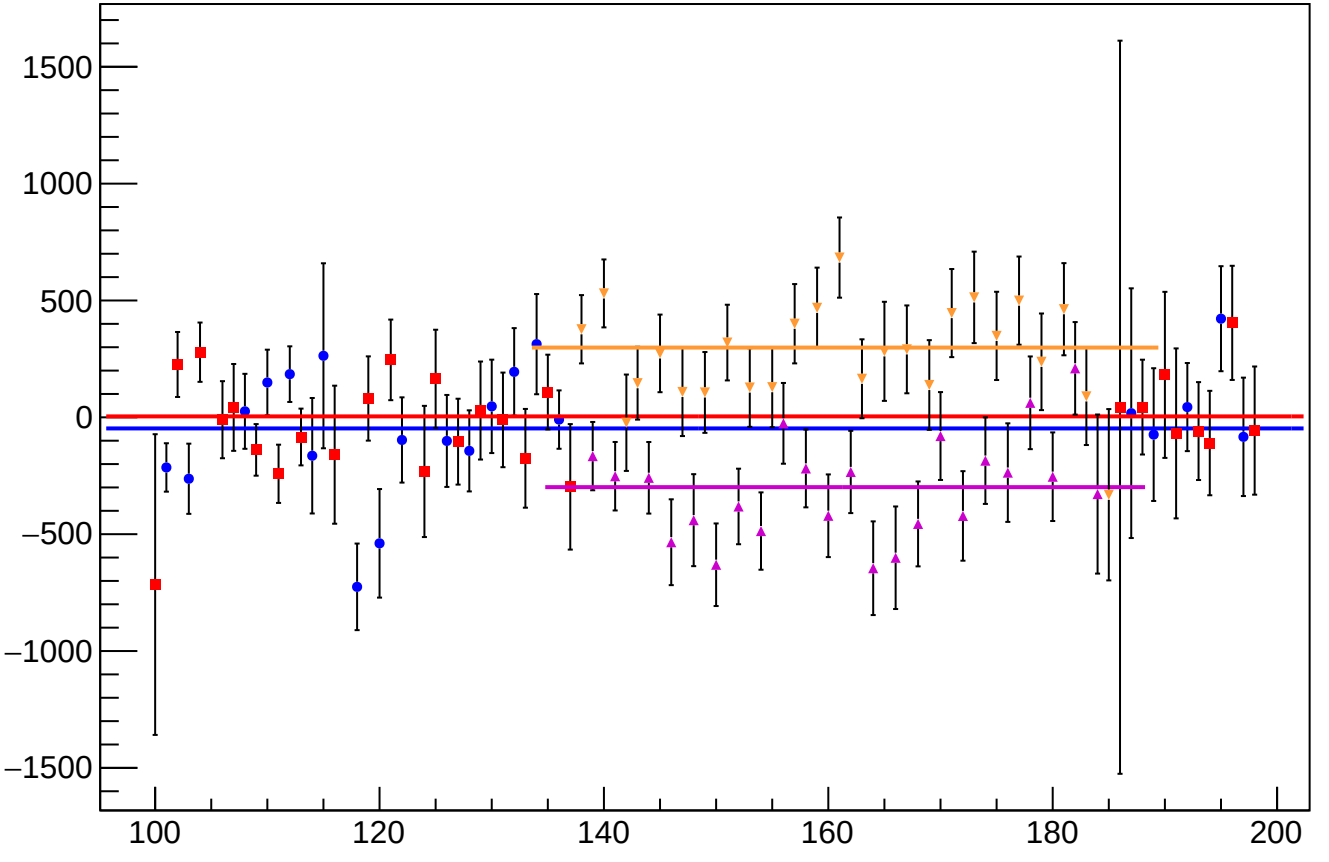
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 802.267+/-0.115 χ^2/NDF: 11133047.1/45

All: 814.588+/-0.082 χ^2/NDF: 23103856.5/95

- sign 827.346+/-0.117 χ^2/NDF: 11947499.3/49

eigen_cor_asym_sam6_mean vs Slug



Right In: -47.470+/-38.458 χ^2/NDF: 39.3/20

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 4.038+/-35.975 χ^2/NDF: 24.6/26

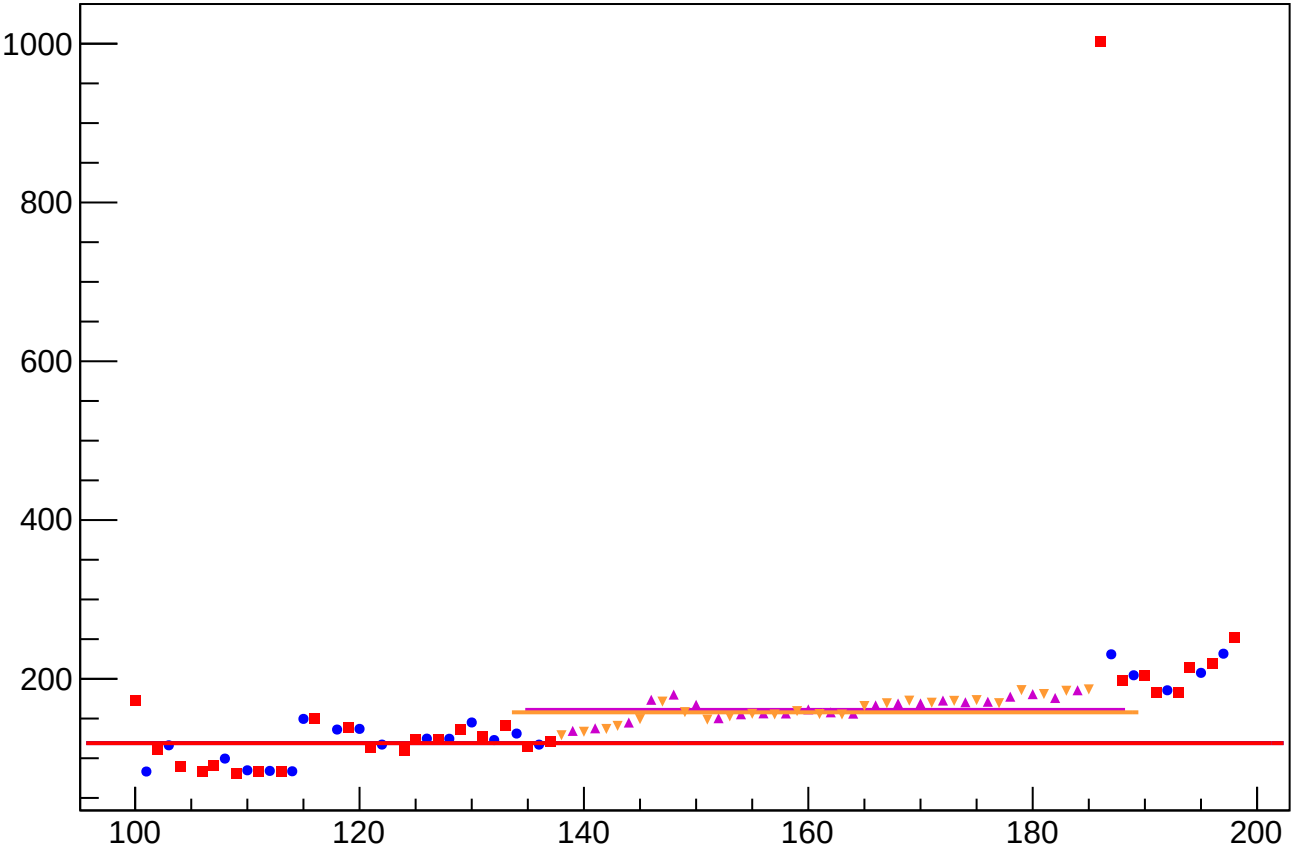
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.690+/-26.301 χ^2/NDF: 108.3/45

All: -3.128+/-18.503 χ^2/NDF: 252.0/95

- sign -140.131+/-26.035 χ^2/NDF: 87.7/49

eigen_cor_asym_sam6_rms vs Slug



Right In: 119.087+/-0.027 χ^2/NDF: 1911488.0/20

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

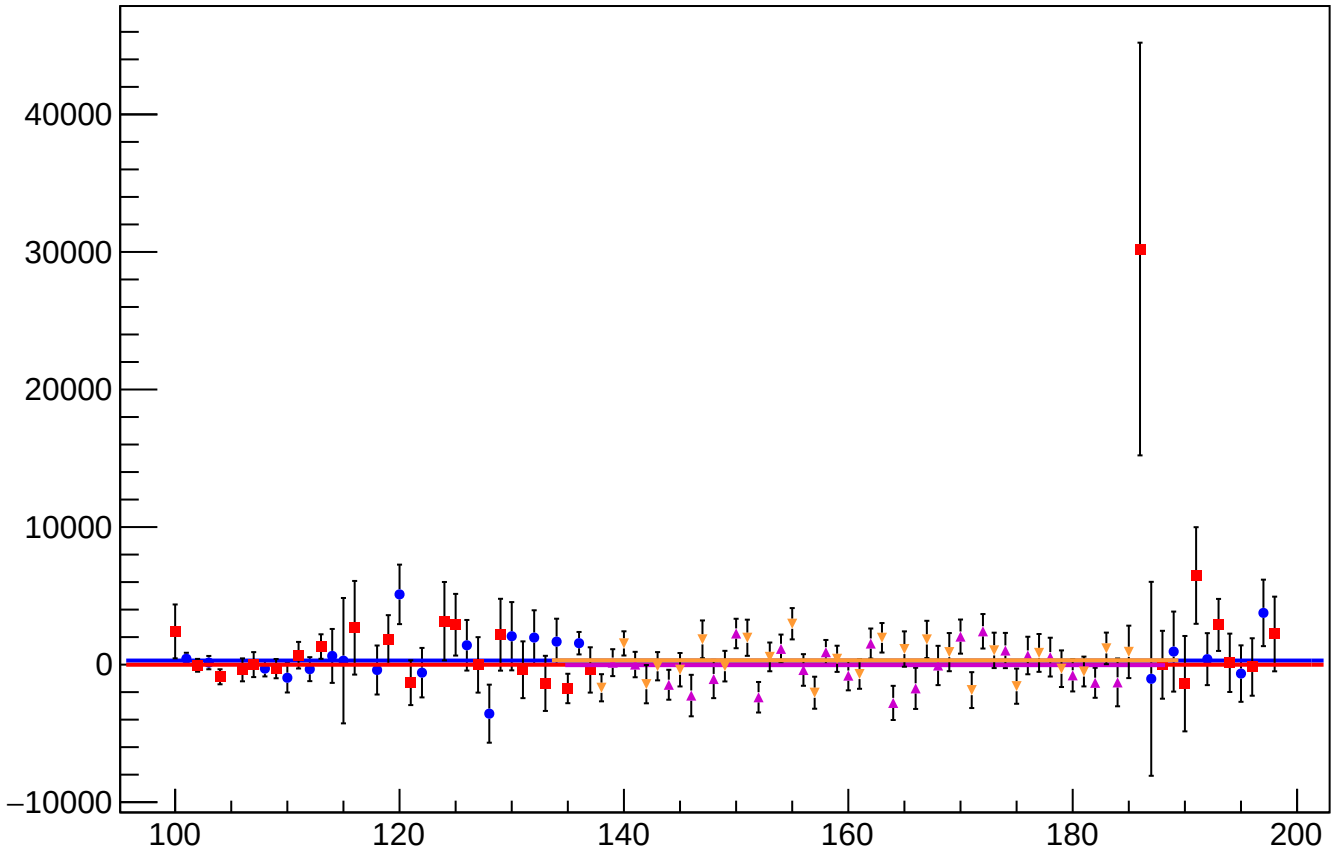
Right Out: 119.000+/-0.025 χ^2/NDF: 3419971.3/26

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 139.712+/-0.019 χ^2/NDF: 3369432.4/45

All: 139.323+/-0.013 χ^2/NDF: 8349109.9/95

- sign 138.942+/-0.018 χ^2/NDF: 4978811.6/49



Right In: 295.454+/-225.742 χ^2/NDF: 18.8/20

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -8.369+/-225.565 χ^2/NDF: 26.9/26

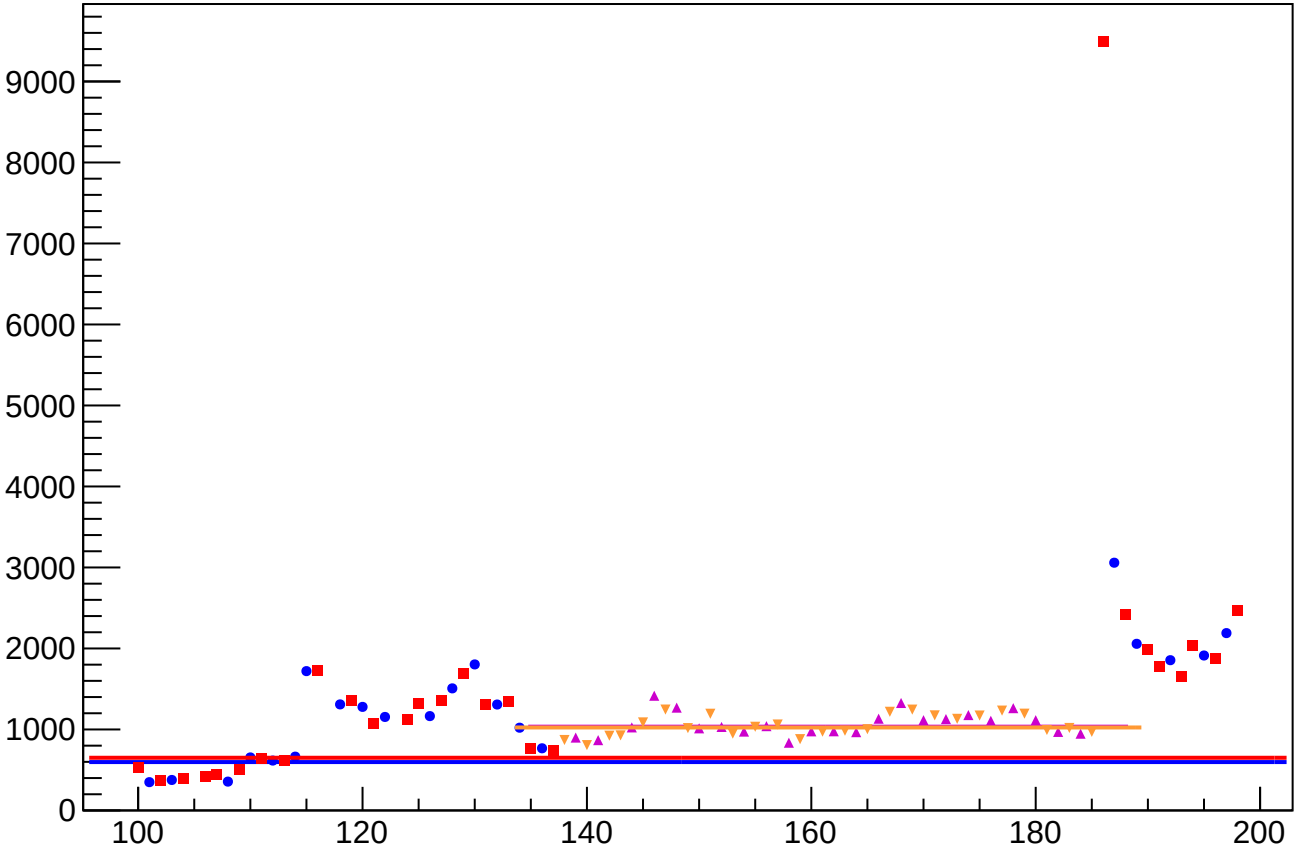
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 307.207+/-162.826 χ^2/NDF: 51.4/45

All: 145.187+/-116.132 χ^2/NDF: 115.1/95

- sign -22.565+/-165.682 χ^2/NDF: 61.7/49

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 597.352+/-0.160 χ^2/NDF: 7100230.8/20

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 650.599+/-0.159 χ^2/NDF: 8652324.6/26

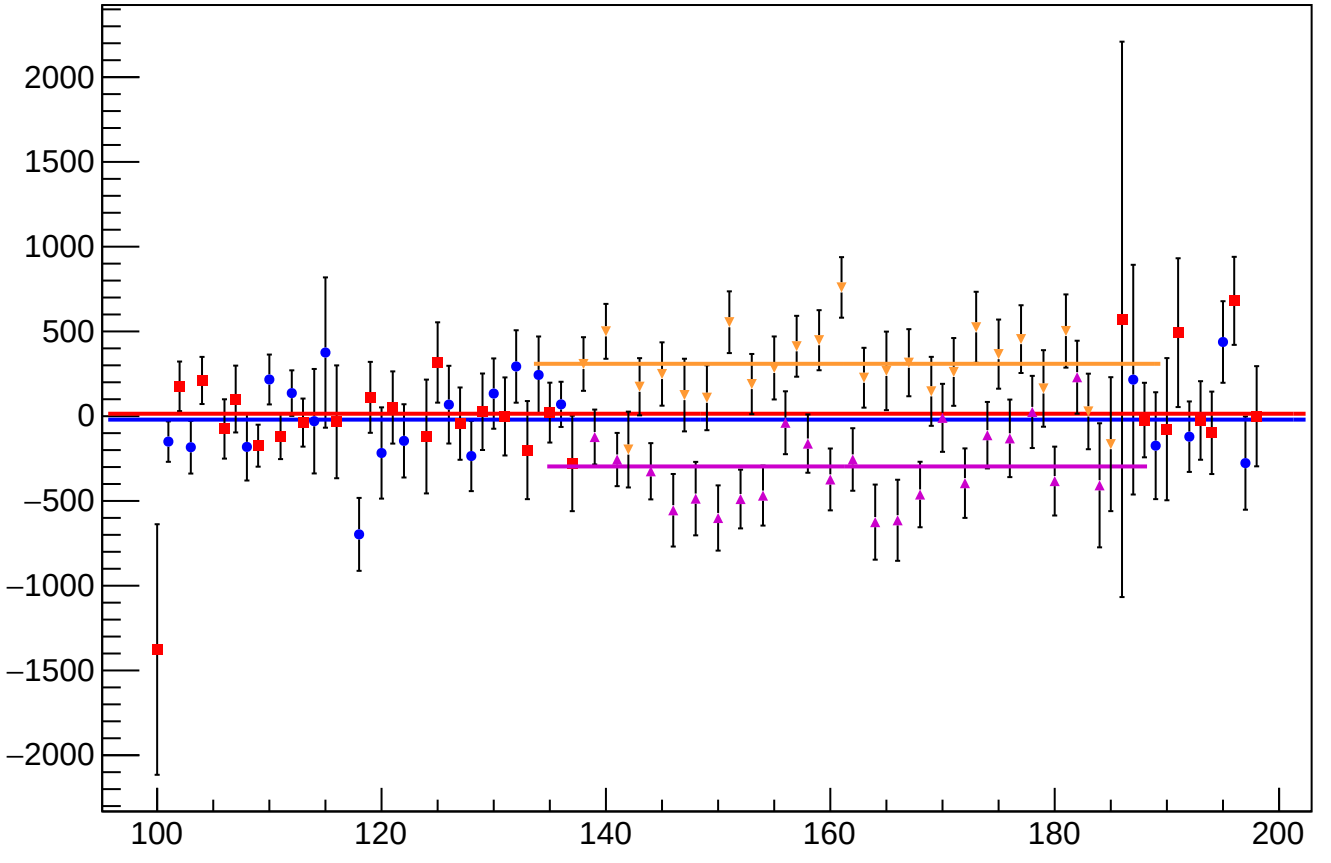
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 802.267+/-0.115 χ^2/NDF: 11133047.1/45

All: 814.588+/-0.082 χ^2/NDF: 23103856.5/95

- sign 827.346+/-0.117 χ^2/NDF: 11947499.3/49

dit_asym_sam6_mean vs Slug



Right In: -20.240+/-43.019 χ^2/NDF: 29.3/20

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 14.460+/-40.138 χ^2/NDF: 22.6/26

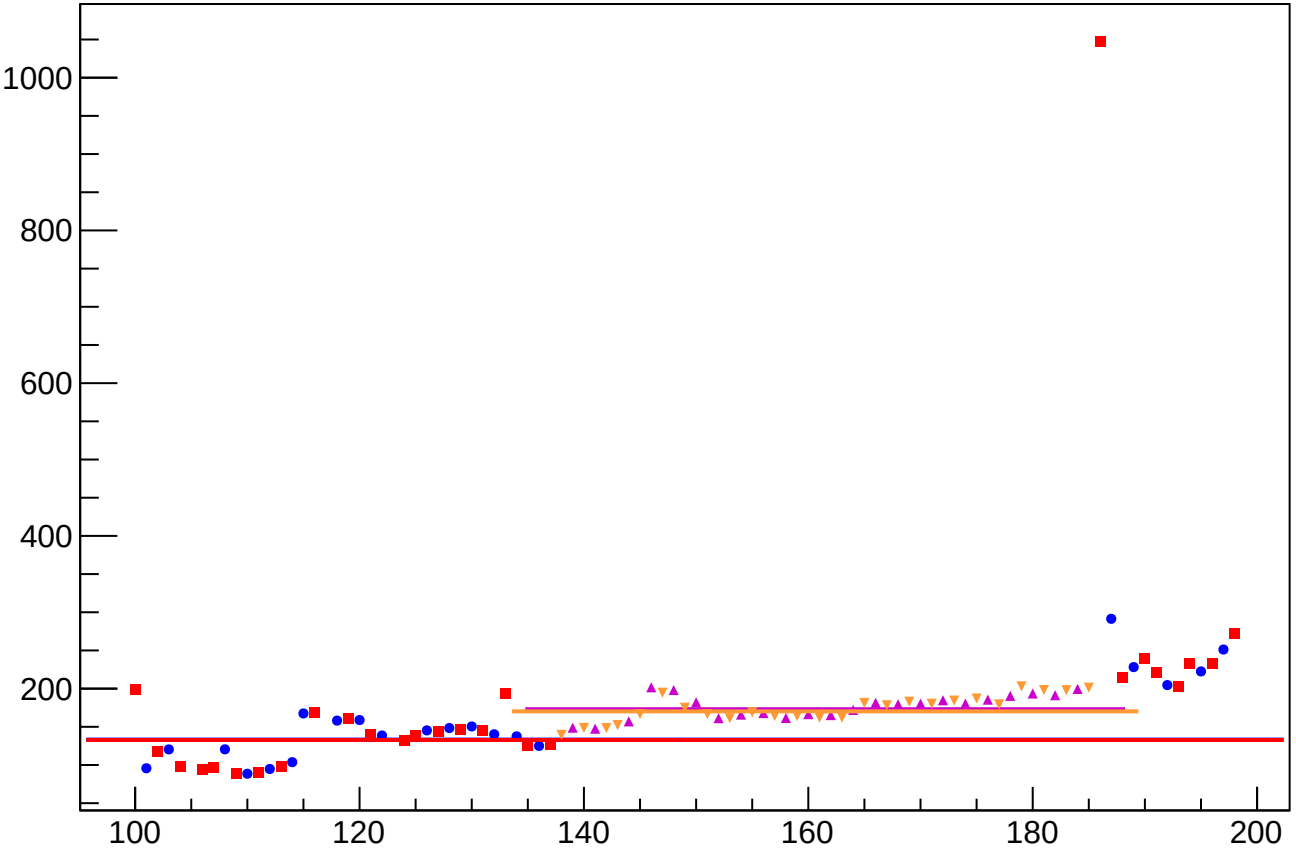
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 160.907+/-28.853 χ^2/NDF: 87.1/45

All: 9.241+/-20.293 χ^2/NDF: 221.8/95

- sign -139.215+/-28.546 χ^2/NDF: 80.1/49

dit_asym_sam6_rms vs Slug



Right In: 133.220+/-0.030 χ^2/NDF: 1855084.9/20

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 132.784+/-0.028 χ^2/NDF: 3463573.5/26

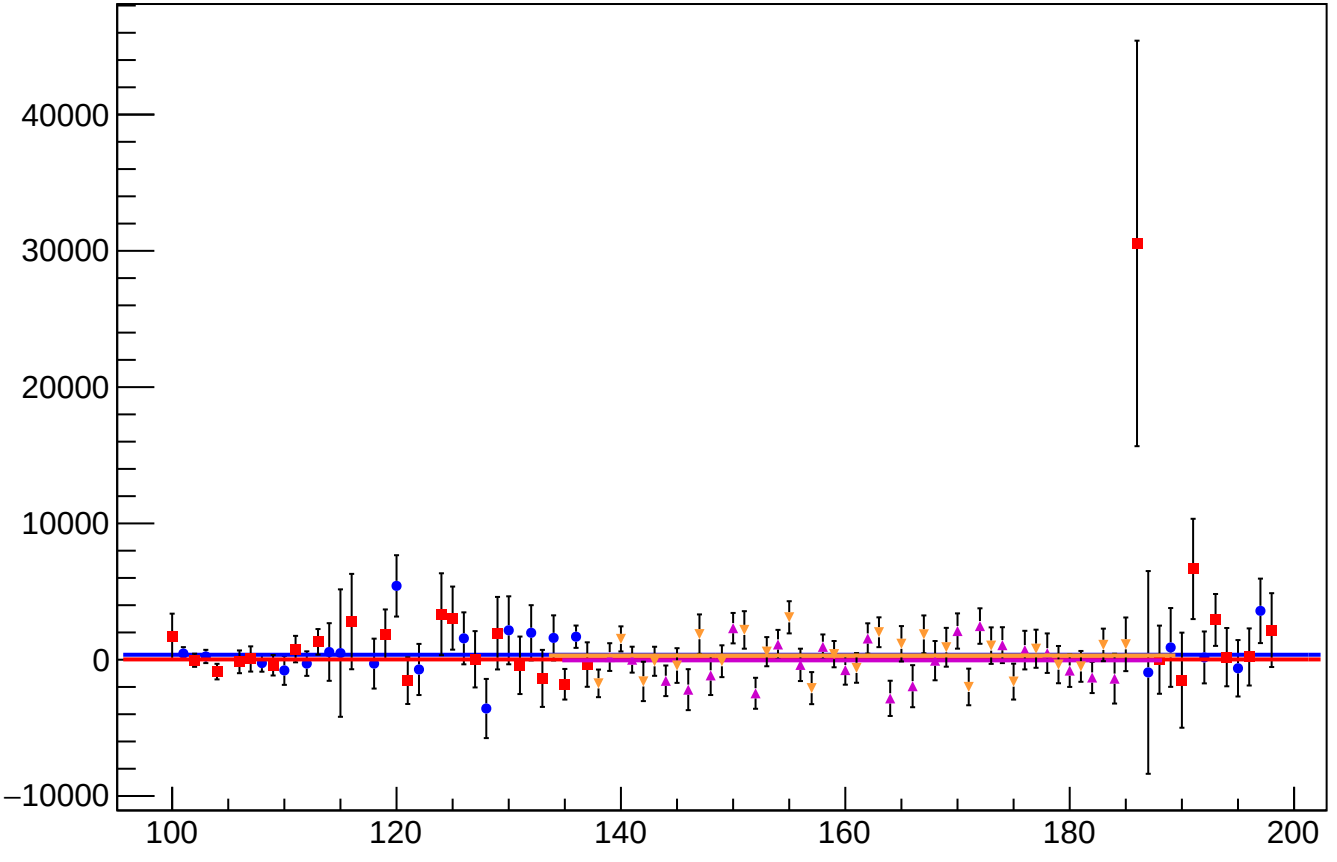
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 153.587+/-0.020 χ^2/NDF: 3036200.4/45

All: 153.124+/-0.014 χ^2/NDF: 7787885.5/95

- sign 152.671+/-0.020 χ^2/NDF: 4750665.8/49

asym_sam6_dit_correction_mean vs Slug



Right In: 363.726+/-235.918 χ^2/NDF: 18.4/20

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 21.126+/-232.677 χ^2/NDF: 26.0/26

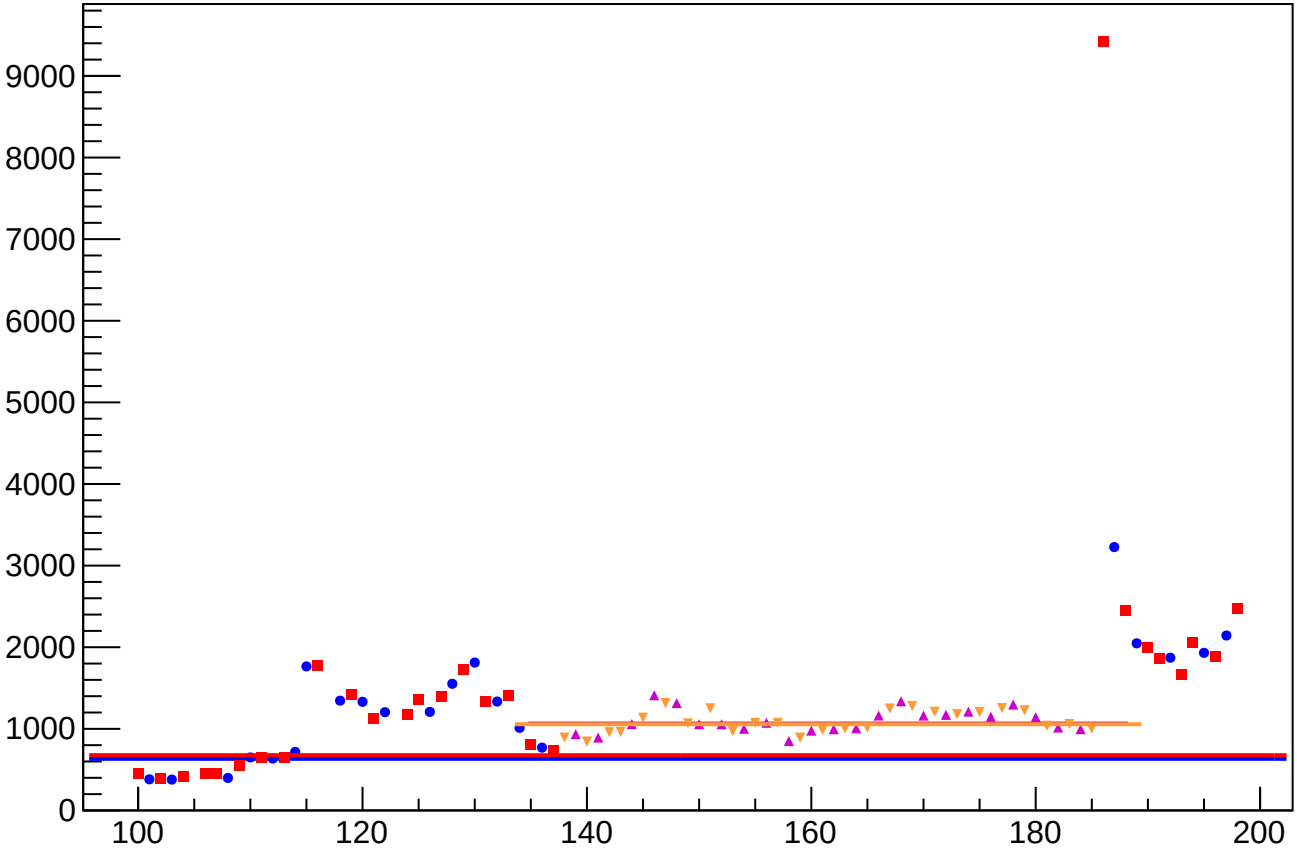
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 339.362+/-169.065 χ^2/NDF: 51.3/45

All: 166.165+/-120.127 χ^2/NDF: 113.9/95

- sign -10.433+/-170.717 χ^2/NDF: 60.5/49

asym_sam6_dit_correction_rms vs Slug



Right In: 632.571+/-0.167 χ^2/NDF: 6753326.0/20

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 677.024+/-0.165 χ^2/NDF: 8505233.2/26

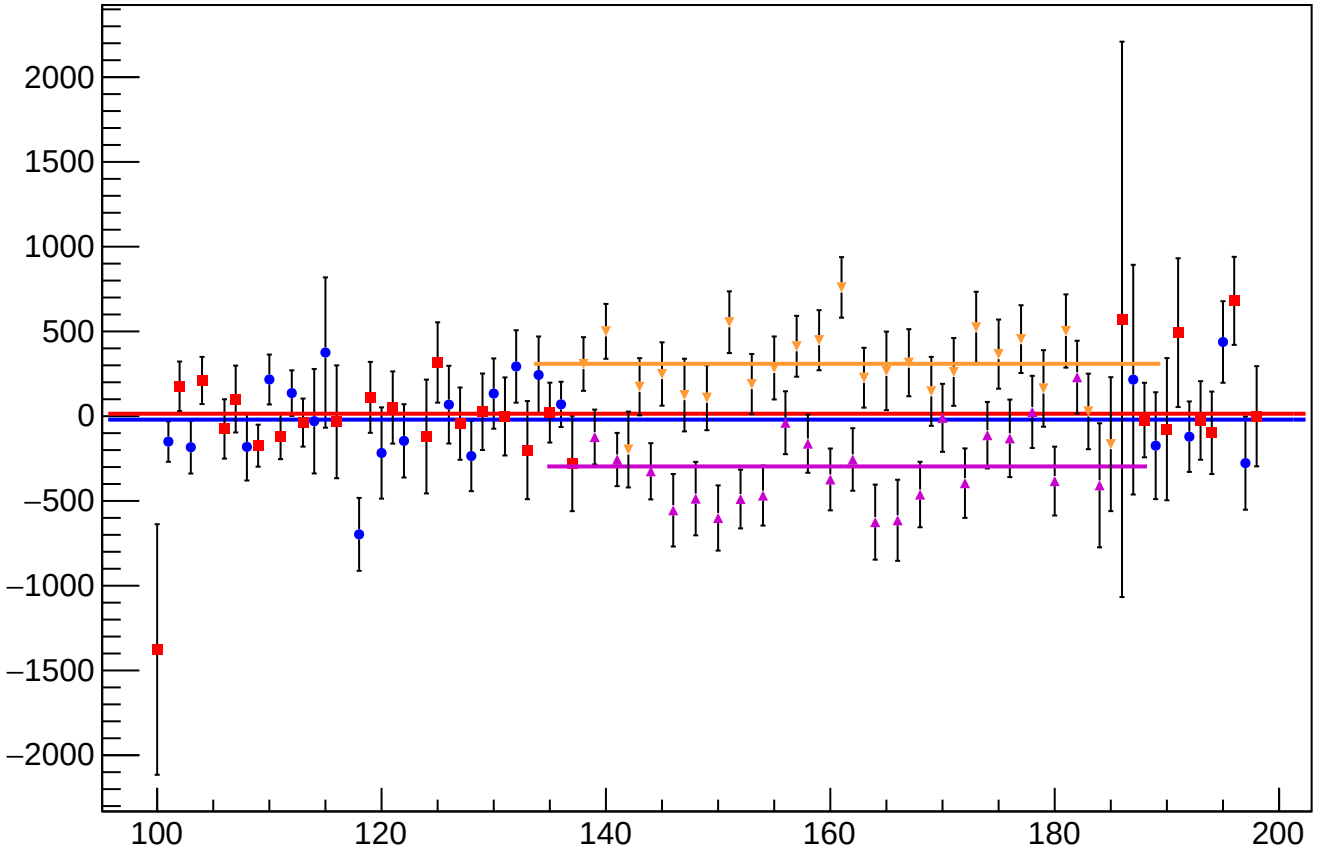
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 838.706+/-0.120 χ^2/NDF: 10502937.4/45

All: 847.269+/-0.085 χ^2/NDF: 22192749.8/95

- sign 856.000+/-0.121 χ^2/NDF: 11679450.9/49

eigen_dit_asym_sam6_mean vs Slug



Right In: -20.242+/-43.019 χ^2/NDF: 29.3/20

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 14.460+/-40.138 χ^2/NDF: 22.6/26

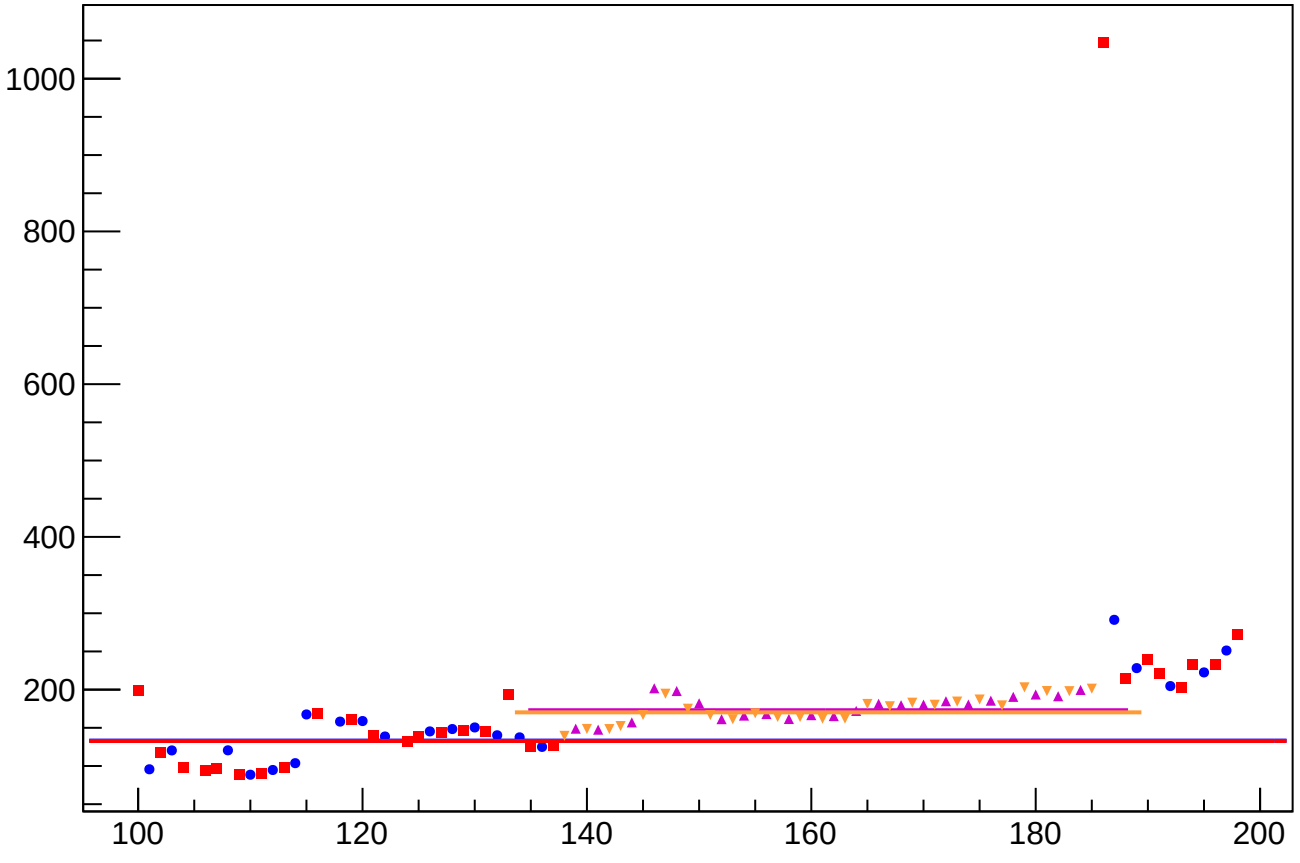
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 160.907+/-28.853 χ^2/NDF: 87.1/45

All: 9.240+/-20.293 χ^2/NDF: 221.8/95

- sign -139.215+/-28.546 χ^2/NDF: 80.1/49

eigen_dit_asym_sam6_rms vs Slug



Right In: 133.220+/-0.030 χ^2/NDF: 1855094.6/20

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 132.784+/-0.028 χ^2/NDF: 3463574.6/26

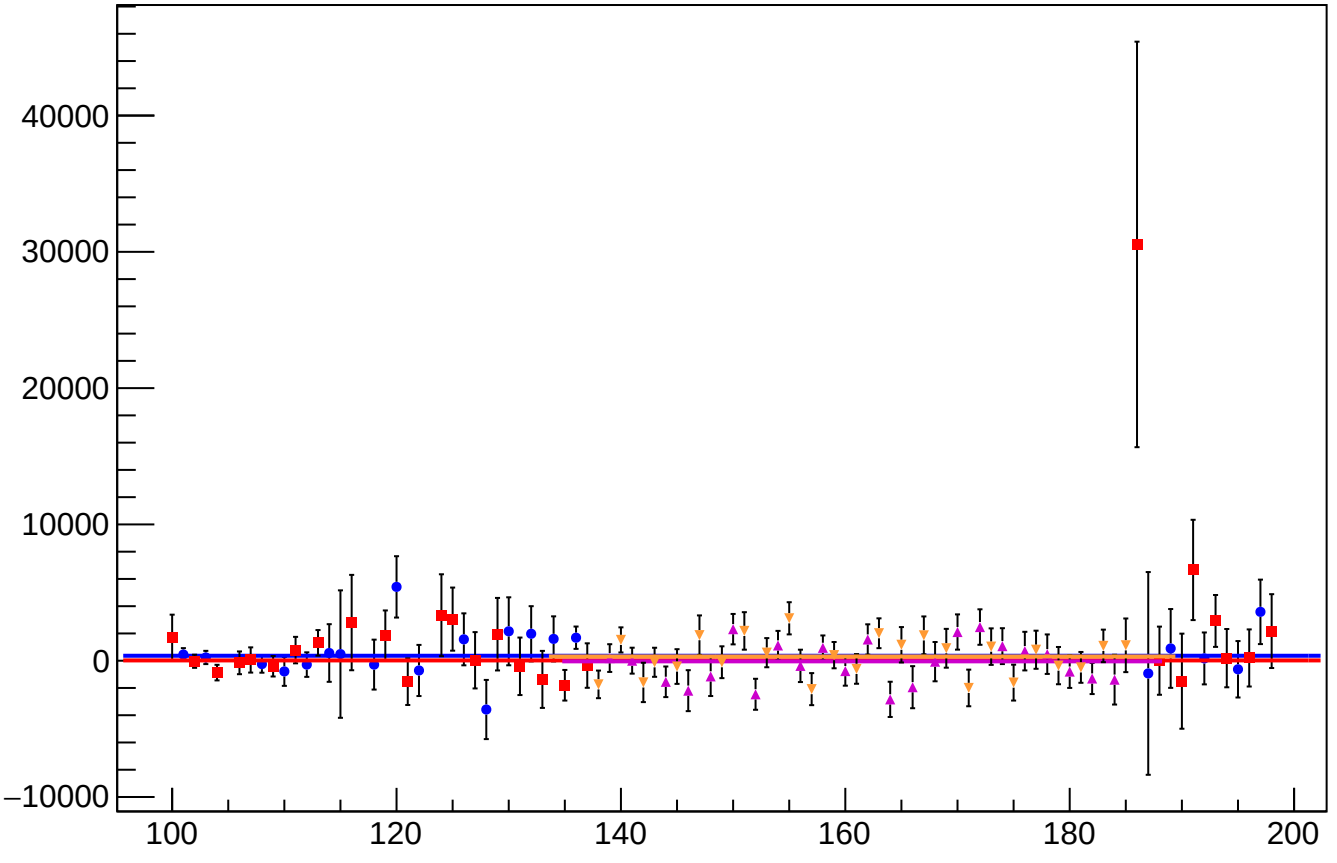
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 153.587+/-0.020 χ^2/NDF: 3036216.8/45

All: 153.123+/-0.014 χ^2/NDF: 7787908.5/95

- sign 152.670+/-0.020 χ^2/NDF: 4750672.5/49

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 363.726+/-235.918 χ^2/NDF: 18.4/20

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 21.125+/-232.677 χ^2/NDF: 26.0/26

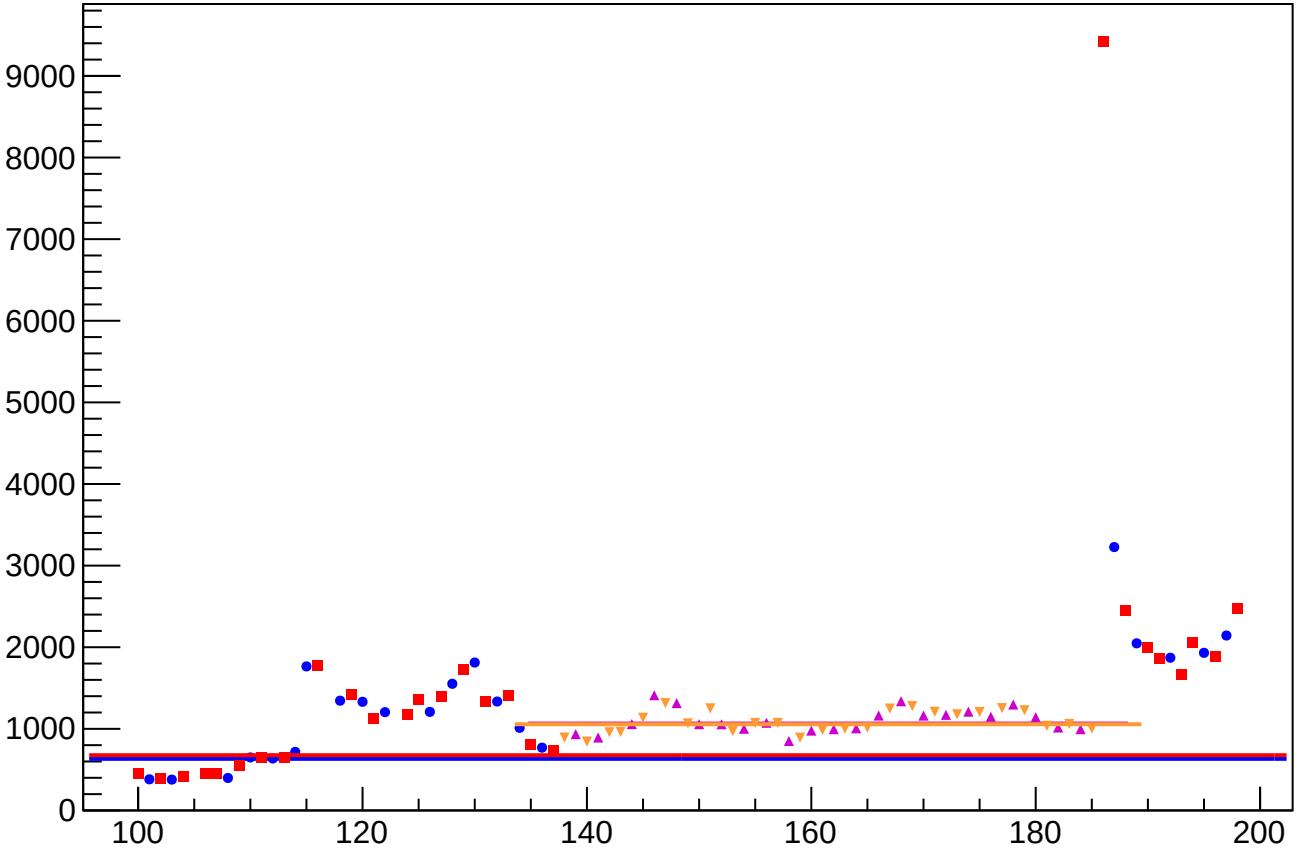
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 339.362+/-169.065 χ^2/NDF: 51.3/45

All: 166.165+/-120.127 χ^2/NDF: 113.9/95

- sign -10.433+/-170.717 χ^2/NDF: 60.5/49

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 632.570+/-0.167 χ^2/NDF: 6753333.6/20

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 677.023+/-0.165 χ^2/NDF: 8505236.4/26

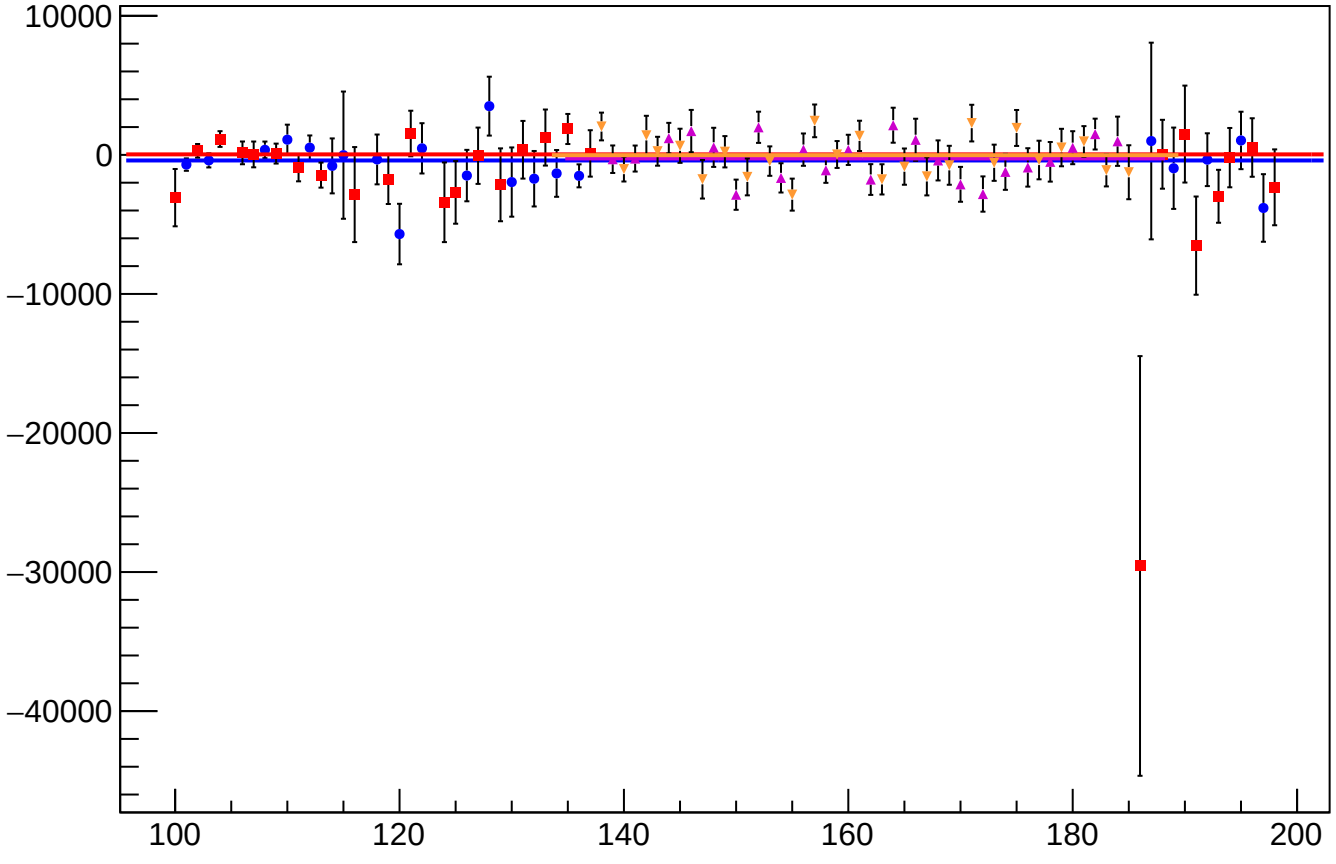
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 838.705+/-0.120 χ^2/NDF: 10502968.1/45

All: 847.268+/-0.085 χ^2/NDF: 22192796.8/95

- sign 855.999+/-0.121 χ^2/NDF: 11679467.1/49

asym_sam6_mean vs Slug



Right In: -401.348+/-232.226 χ^2/NDF: 20.5/20

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 36.378+/-230.605 χ^2/NDF: 30.3/26

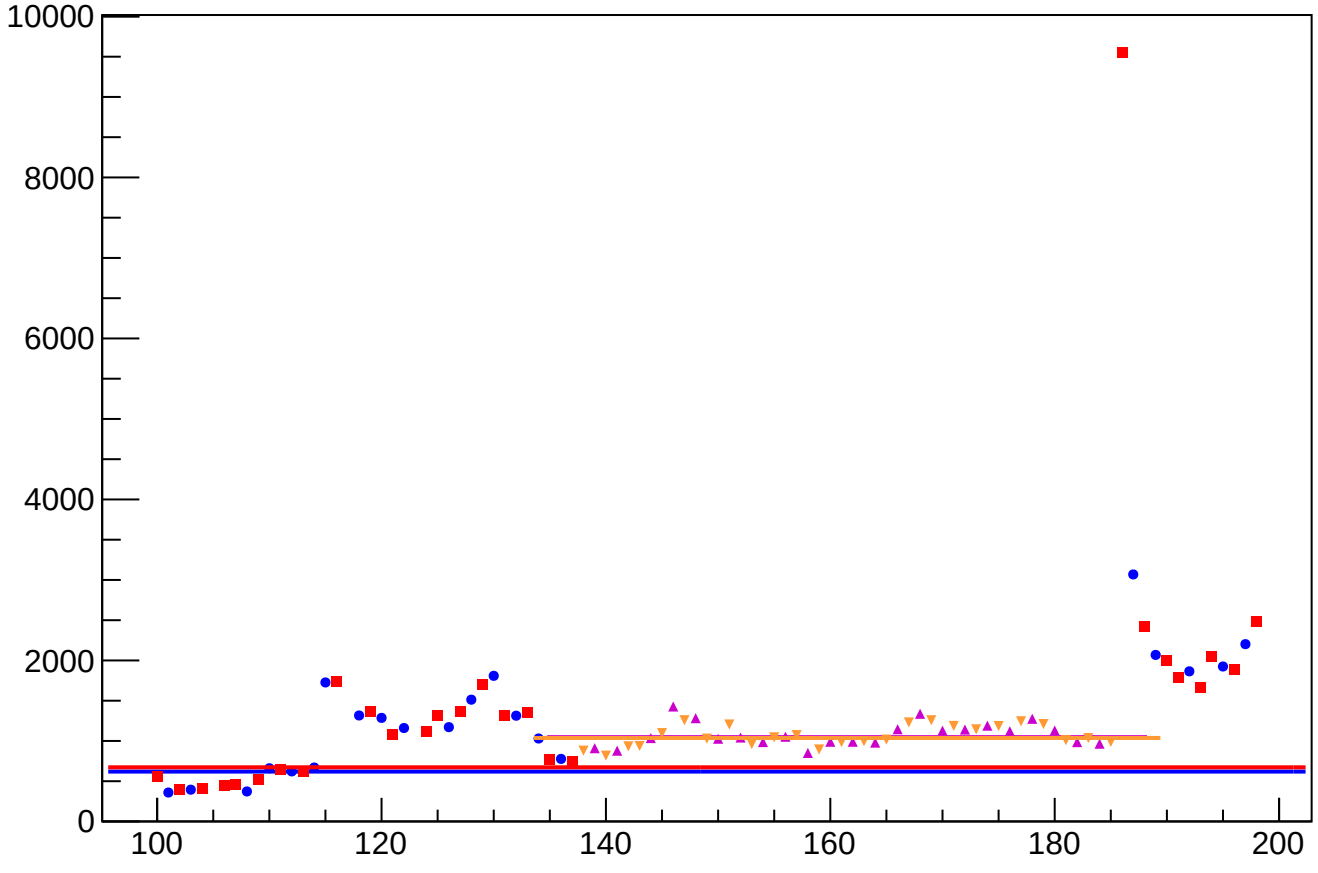
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -216.241+/-166.203 χ^2/NDF: 56.3/45

All: -158.659+/-118.370 χ^2/NDF: 121.2/95

- sign -99.387+/-168.625 χ^2/NDF: 64.6/49

asym_sam6_rms vs Slug



Right In: 619.491+/-0.164 χ^2/NDF: 6867516.9/20

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

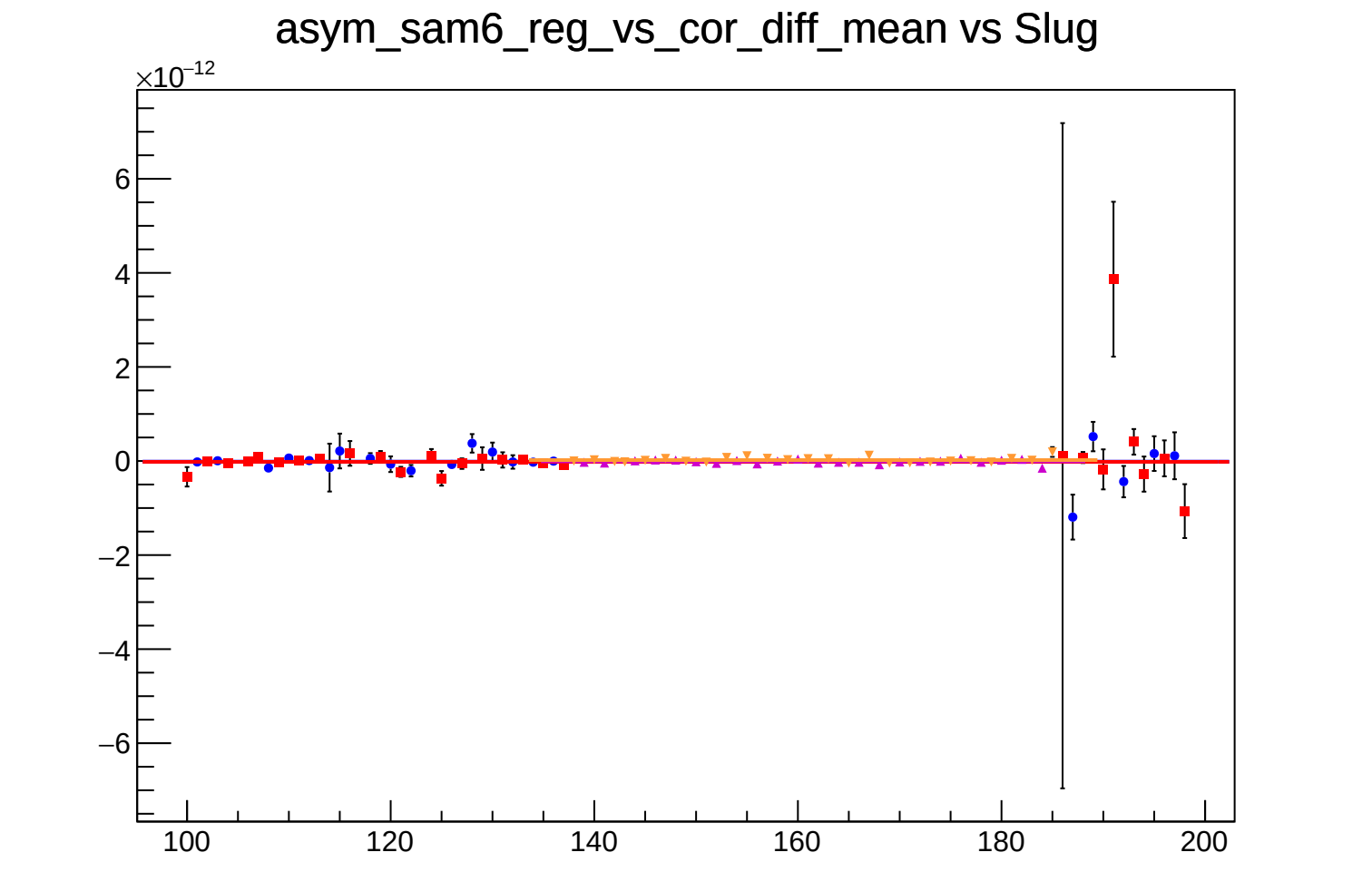
Right Out: 672.810+/-0.163 χ^2/NDF: 8387385.2/26

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 823.302+/-0.118 χ^2/NDF: 10611232.1/45

All: 835.086+/-0.084 χ^2/NDF: 22090900.3/95

- sign 847.215+/-0.119 χ^2/NDF: 11459267.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

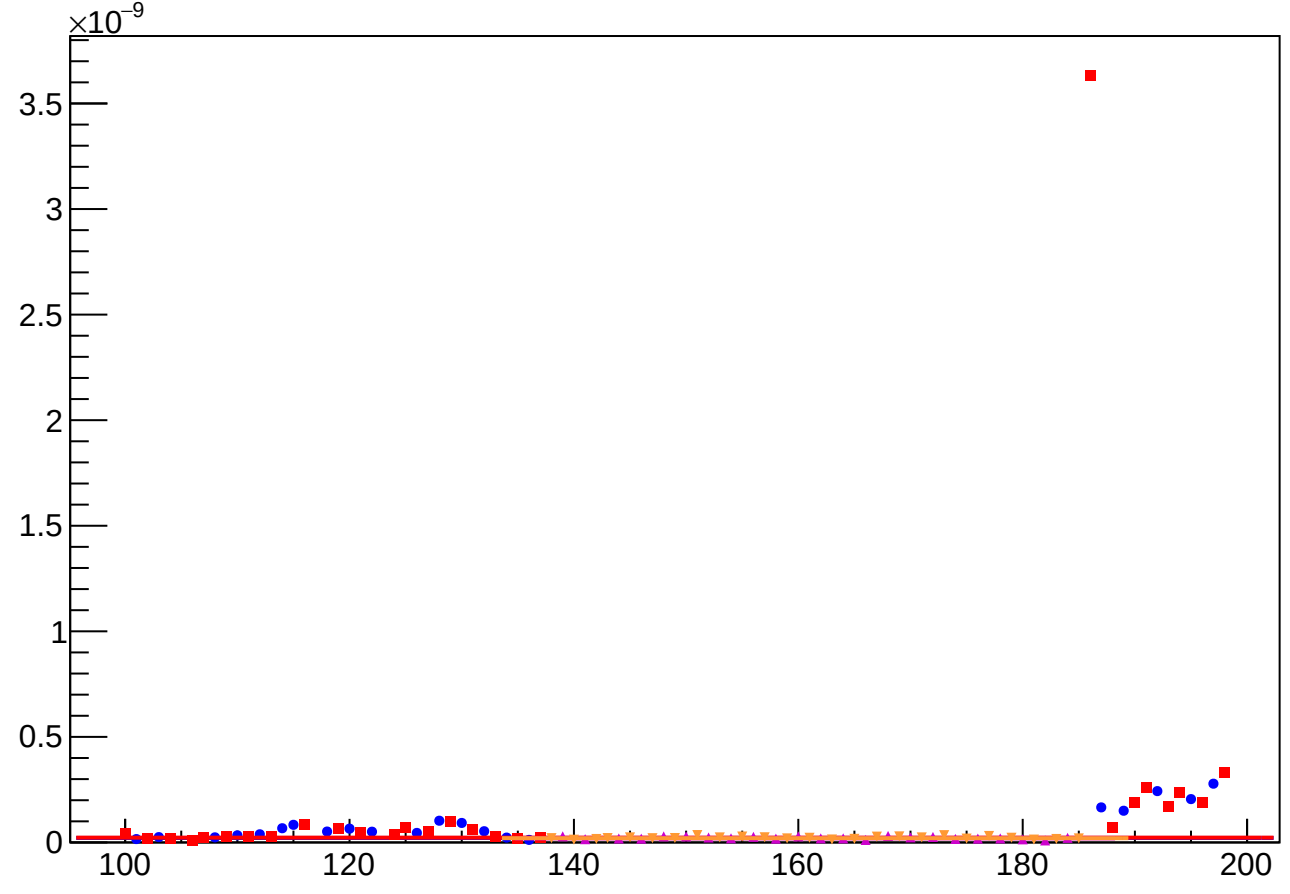
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/26

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/45

All: 0.000+/-0.000 χ^2/NDF: 117.8/95

- sign -0.000+/-0.000 χ^2/NDF: 51.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 4456482.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5306988.2/26

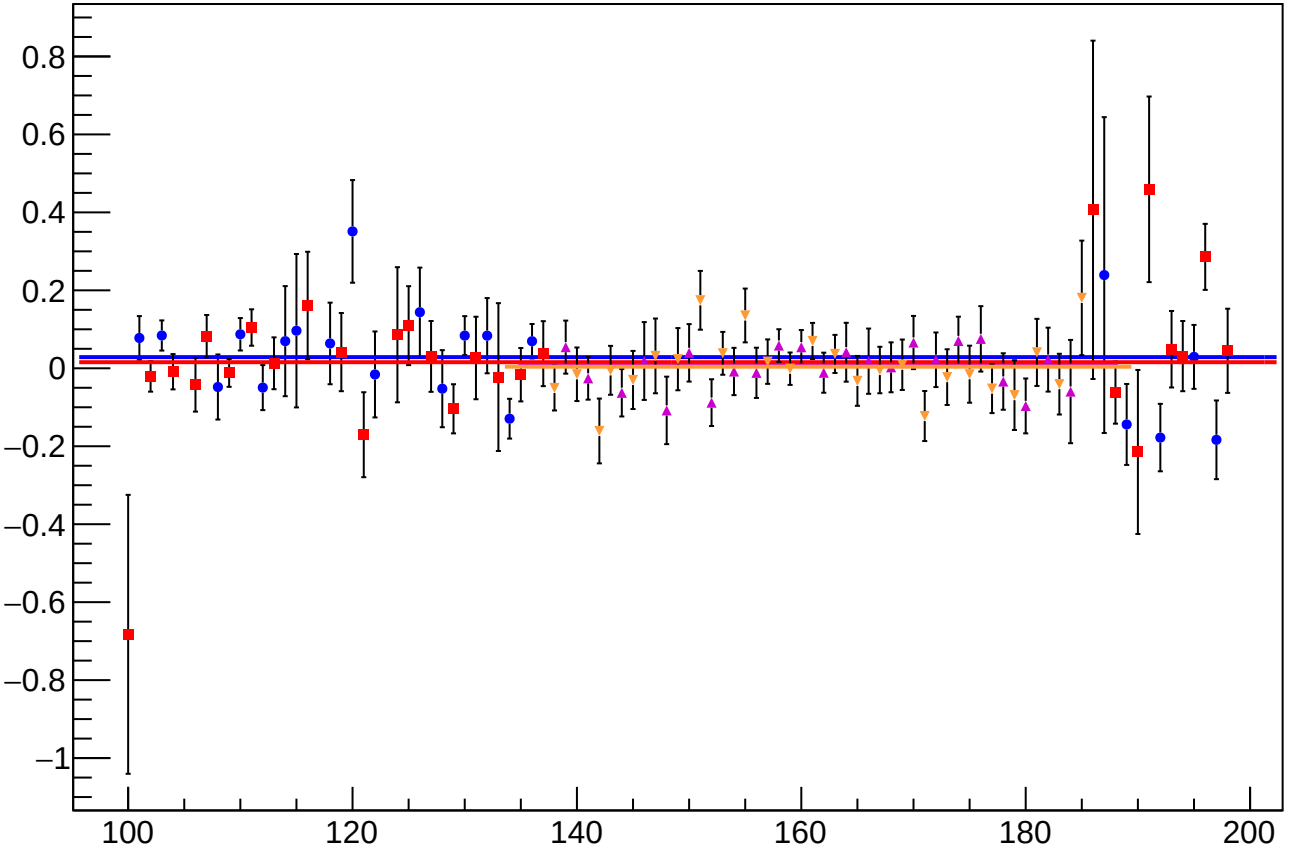
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5461528.4/45

All: 0.000+/-0.000 χ^2/NDF: 11921288.2/95

- sign 0.000+/-0.000 χ^2/NDF: 6455931.8/49

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.015 χ^2/NDF: 40.8/20

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.016+/-0.014 χ^2/NDF: 37.3/26

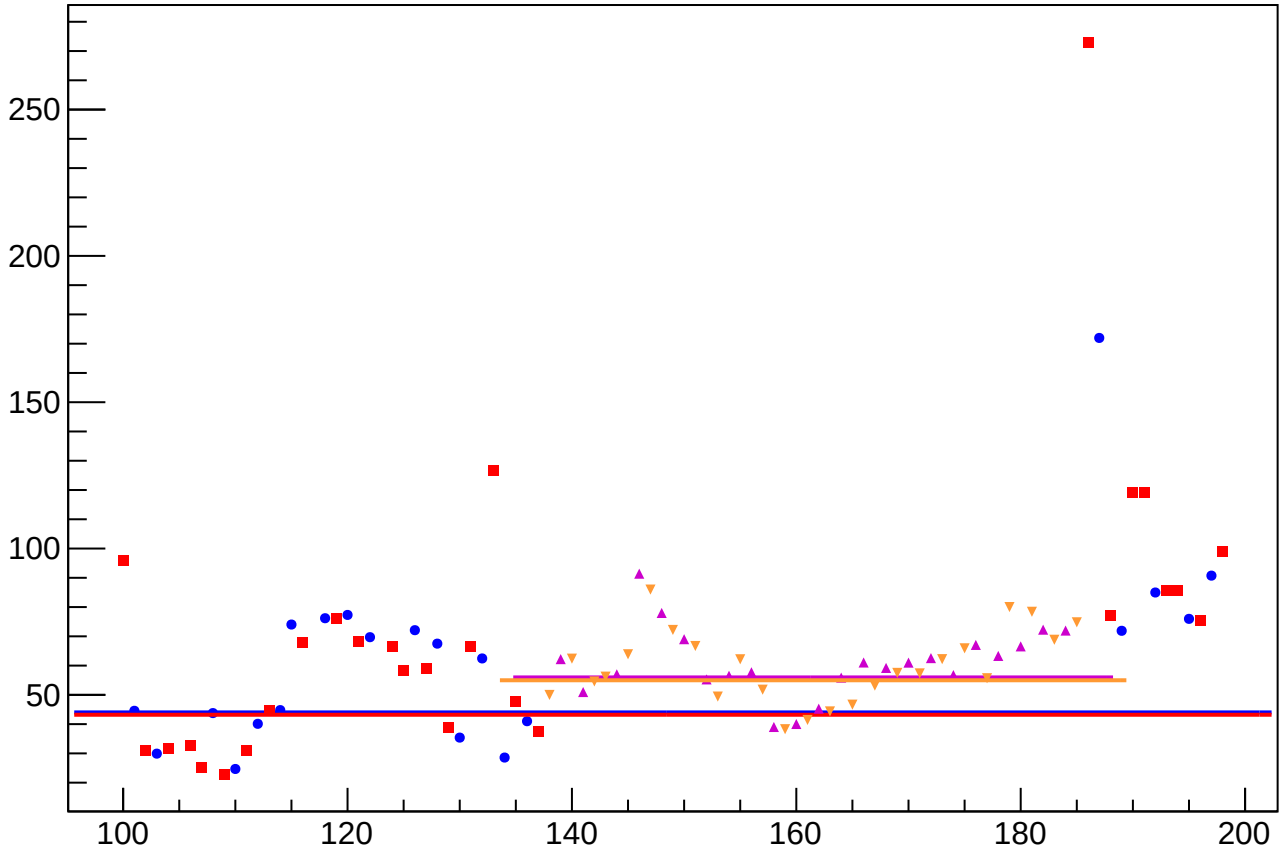
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.1/45

All: 0.013+/-0.007 χ^2/NDF: 119.7/95

- sign 0.011+/-0.010 χ^2/NDF: 52.6/49

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 44.001+/-0.011 χ^2/NDF: 3261302.9/20

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

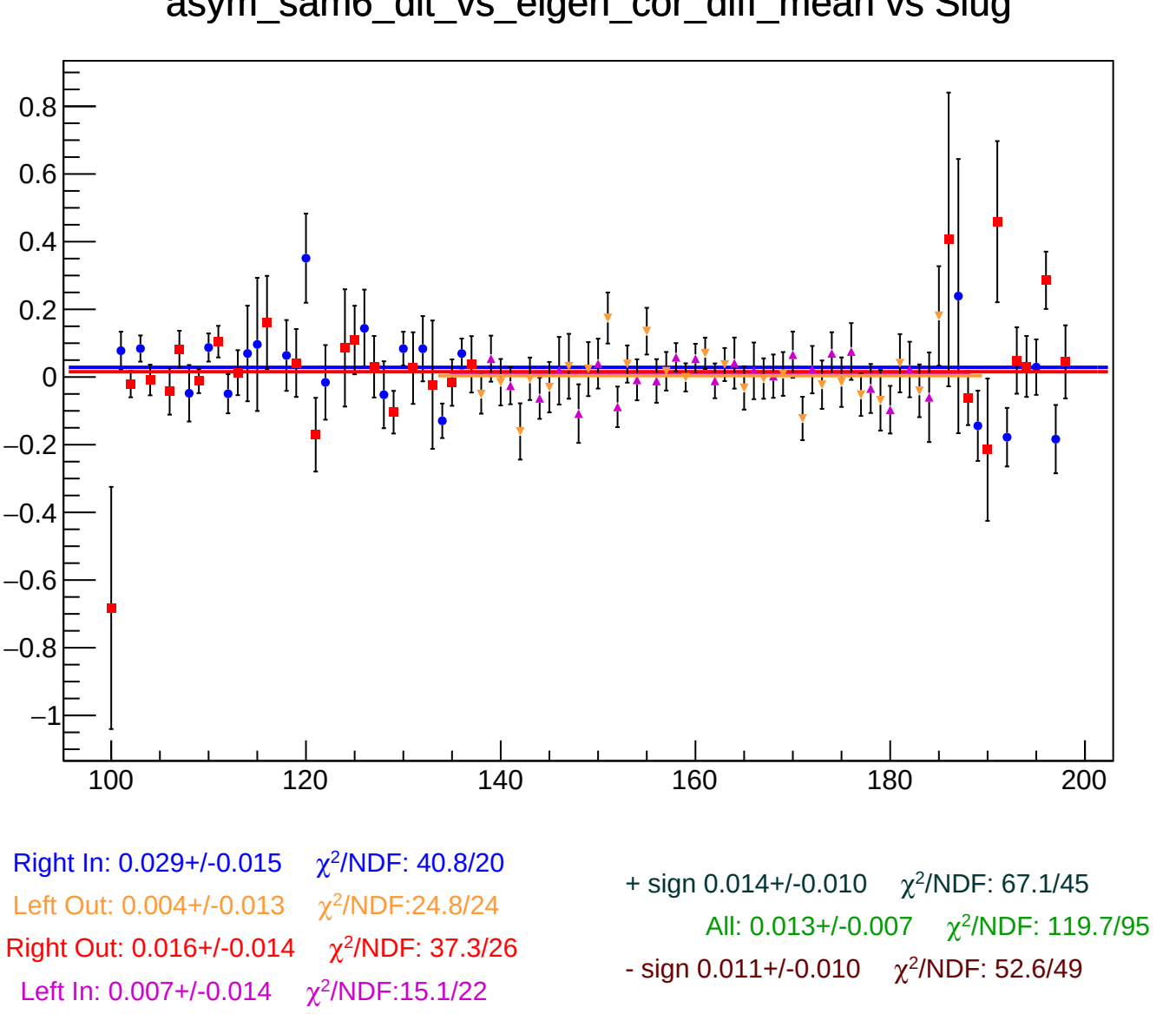
Right Out: 43.205+/-0.010 χ^2/NDF: 5491887.2/26

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

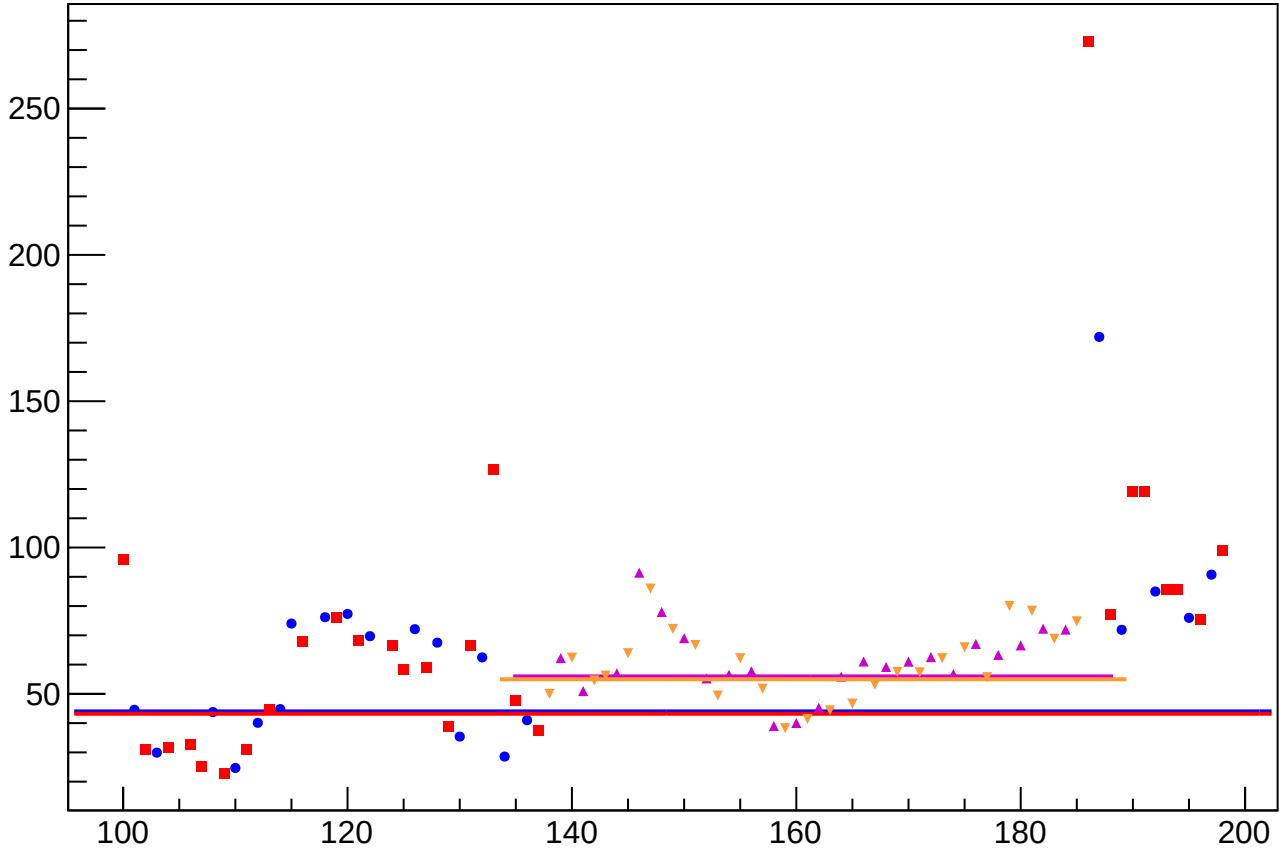
+ sign 50.336+/-0.007 χ^2/NDF: 5436968.9/45

All: 50.089+/-0.005 χ^2/NDF: 13190068.2/95

- sign 49.846+/-0.007 χ^2/NDF: 7750604.6/49


asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
Right In: 0.029+/-0.015 χ²/NDF: 40.8/20
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.016+/-0.014 χ²/NDF: 37.3/26
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.014+/-0.010 χ²/NDF: 67.1/45
All: 0.013+/-0.007 χ²/NDF: 119.7/95
- sign 0.011+/-0.010 χ²/NDF: 52.6/49

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.001+/-0.011 χ^2/NDF: 3261302.9/20

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491887.2/26

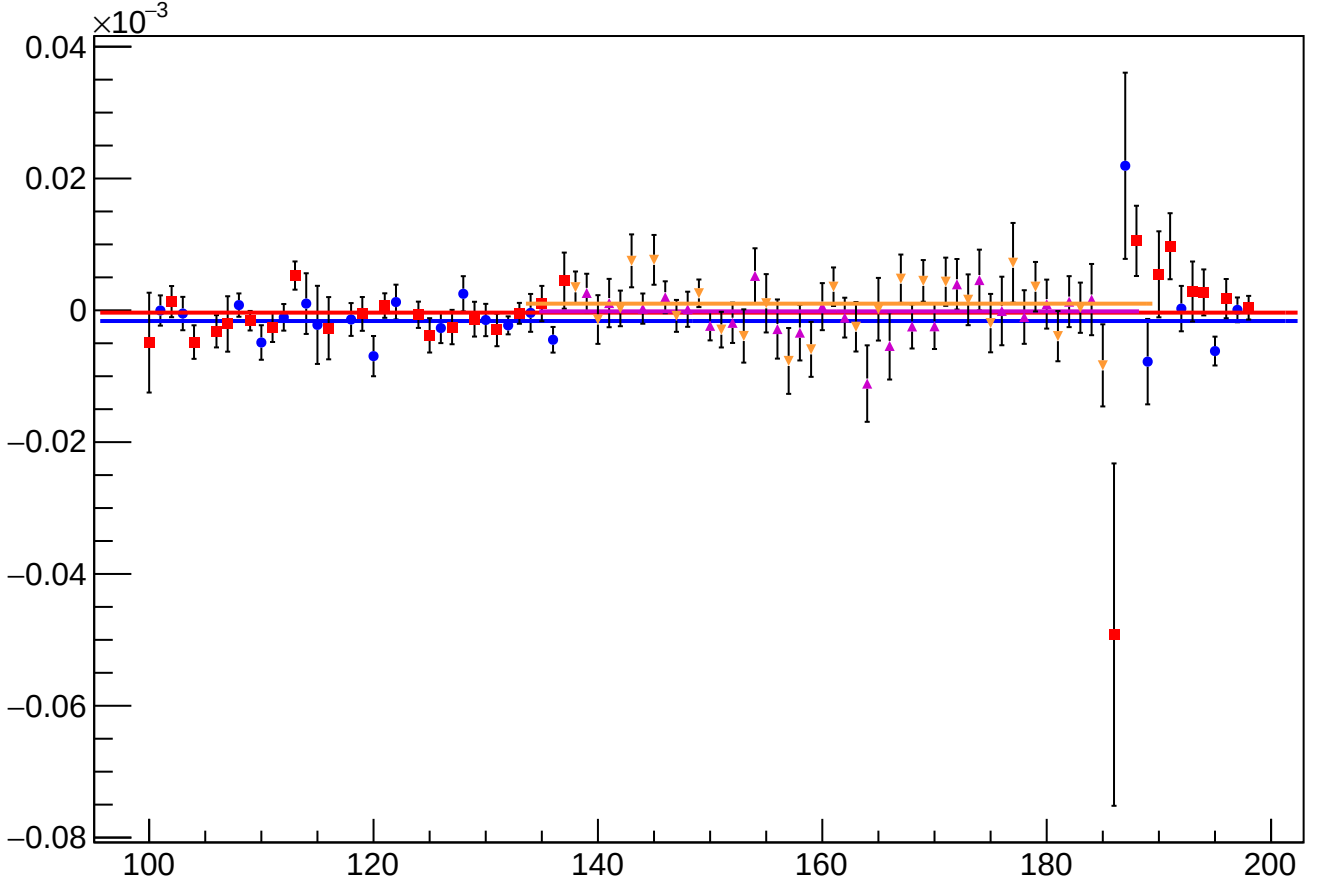
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 50.336+/-0.007 χ^2/NDF: 5436968.9/45

All: 50.089+/-0.005 χ^2/NDF: 13190068.2/95

- sign 49.846+/-0.007 χ^2/NDF: 7750604.6/49

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/26

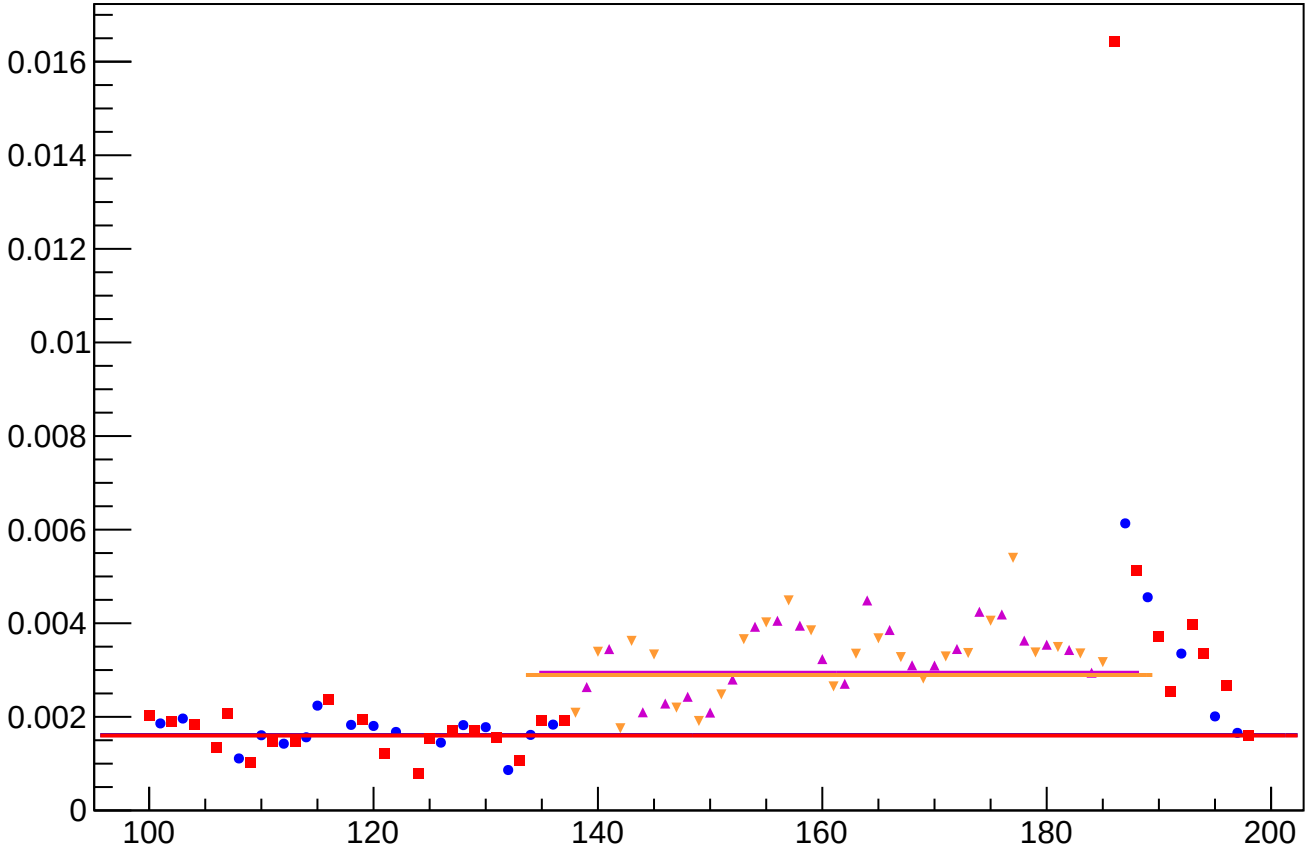
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.8/45

All: -0.000+/-0.000 χ^2/NDF: 109.8/95

- sign -0.000+/-0.000 χ^2/NDF: 48.6/49

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2140942.1/20

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

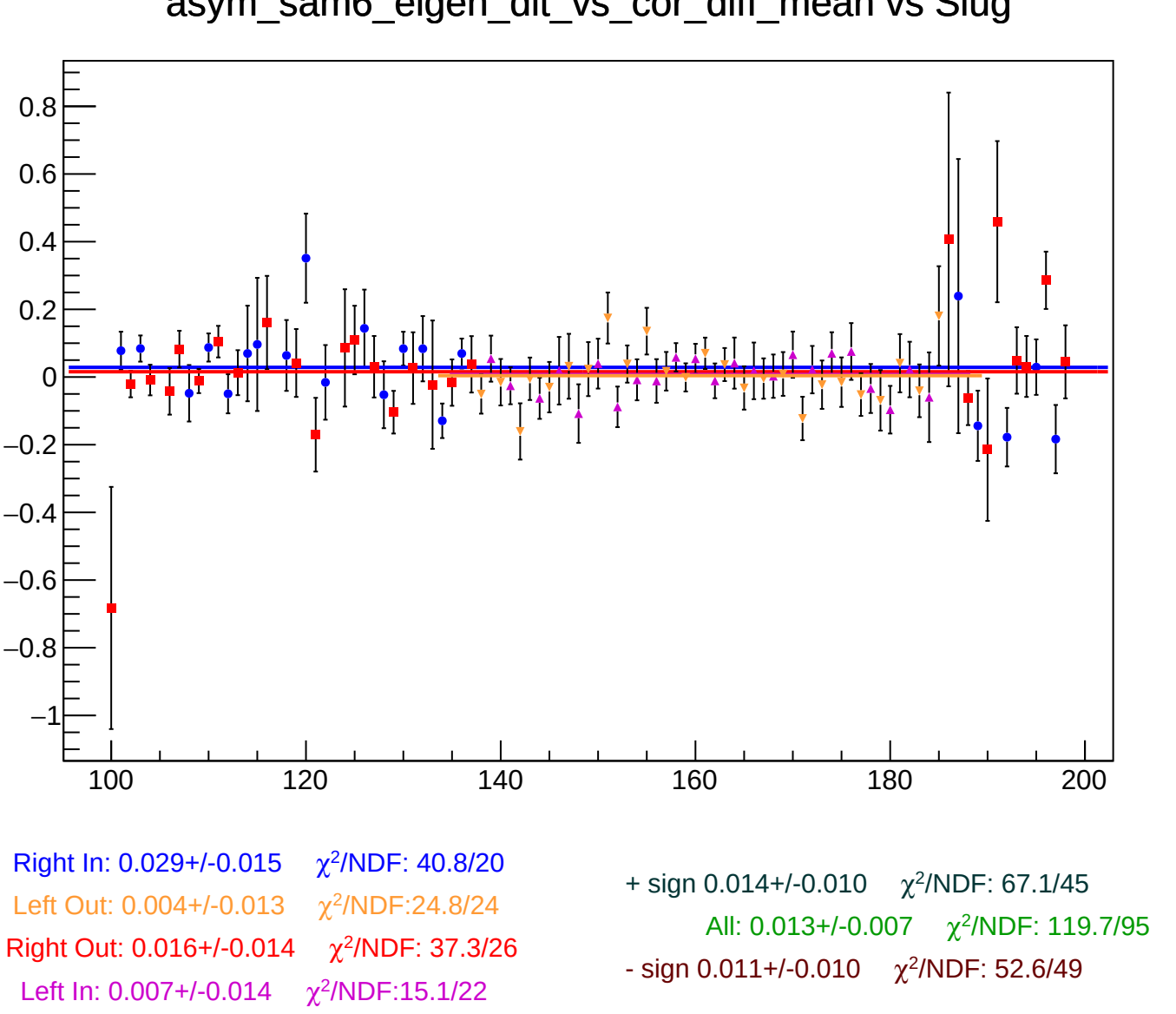
Right Out: 0.002+/-0.000 χ^2/NDF: 4334635.3/26

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

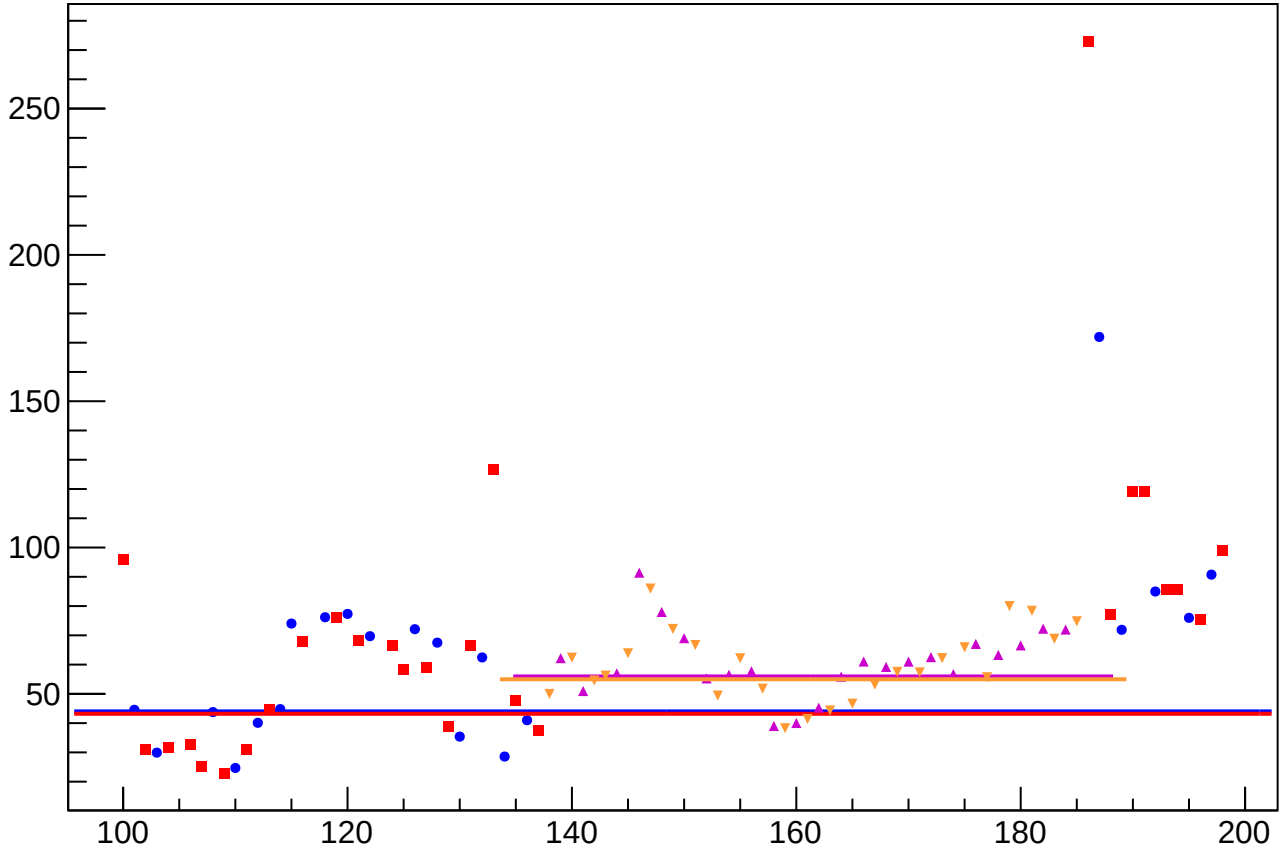
+ sign 0.002+/-0.000 χ^2/NDF: 9172747.1/45

All: 0.002+/-0.000 χ^2/NDF: 20193003.4/95

- sign 0.002+/-0.000 χ^2/NDF: 11007453.4/49


asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug
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: 0.029+/-0.015 χ²/NDF: 40.8/20
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.016+/-0.014 χ²/NDF: 37.3/26
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.014+/-0.010 χ²/NDF: 67.1/45
All: 0.013+/-0.007 χ²/NDF: 119.7/95
- sign 0.011+/-0.010 χ²/NDF: 52.6/49

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.001+/-0.011 χ^2/NDF: 3261363.0/20

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

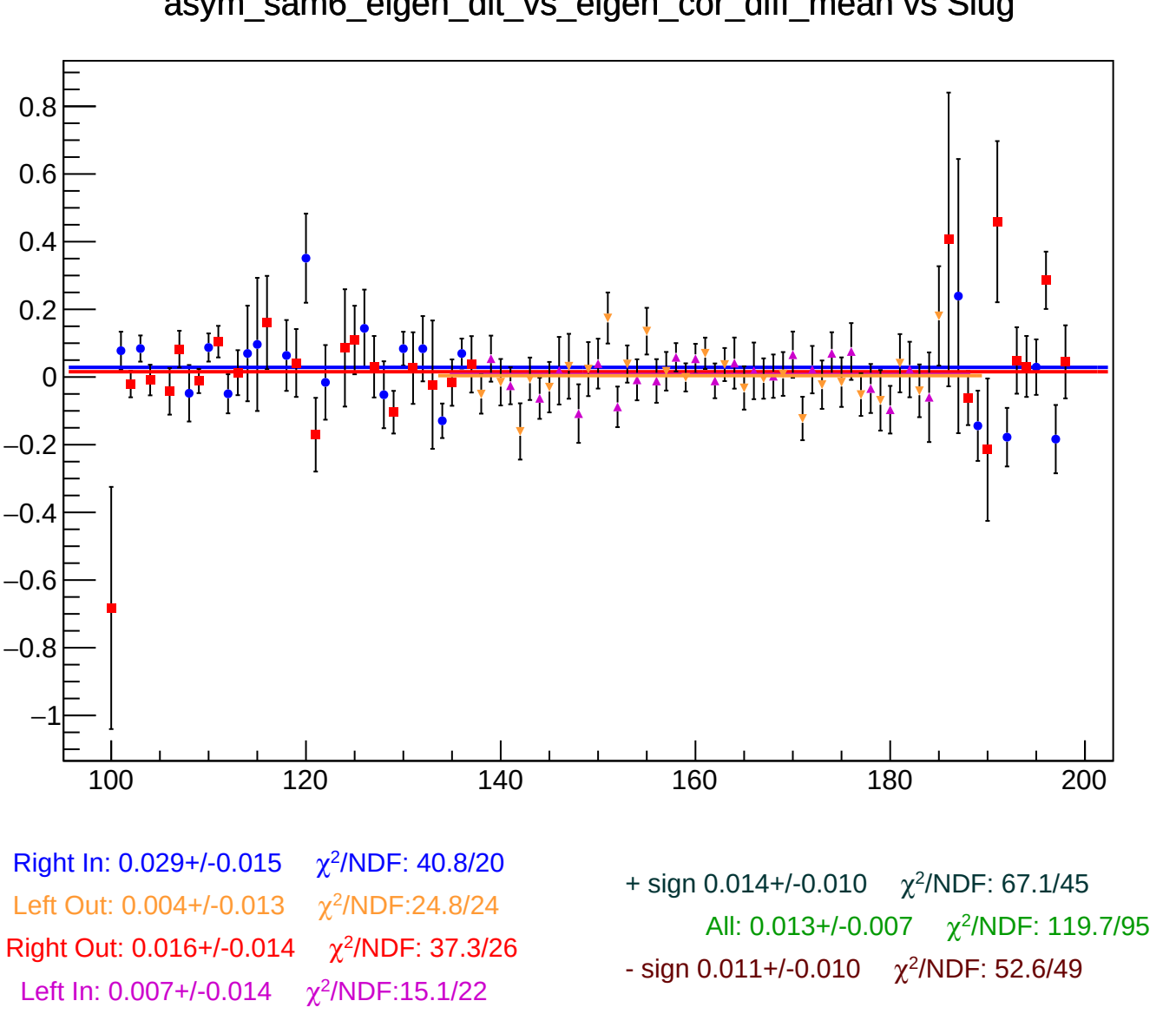
Right Out: 43.205+/-0.010 χ^2/NDF: 5491870.5/26

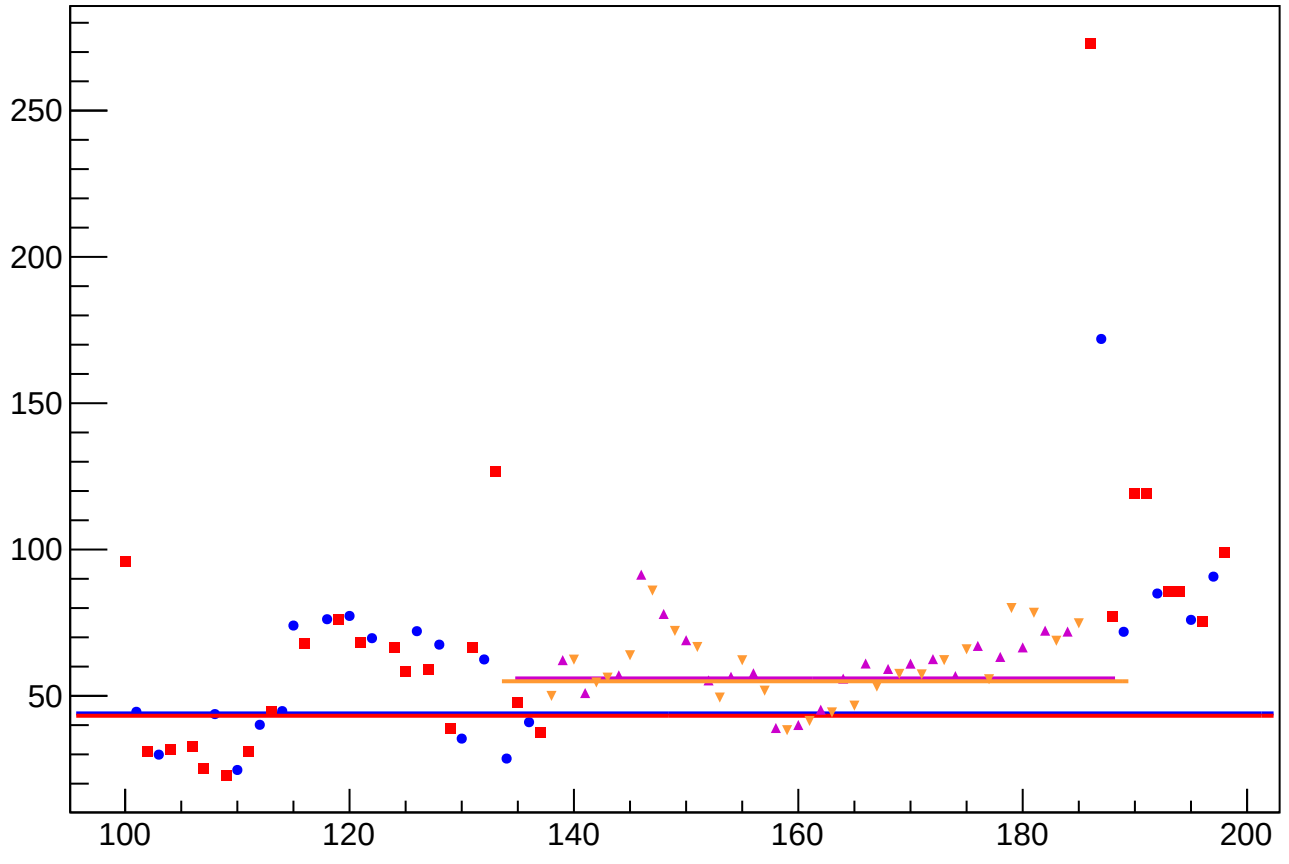
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

\+ sign 50.335+/-0.007 χ^2/NDF: 5437118.8/45

All: 50.088+/-0.005 χ^2/NDF: 13190276.2/95

\- sign 49.846+/-0.007 χ^2/NDF: 7750663.6/49


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
Right In: 0.029+/-0.015 χ²/NDF: 40.8/20
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.016+/-0.014 χ²/NDF: 37.3/26
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.014+/-0.010 χ²/NDF: 67.1/45
All: 0.013+/-0.007 χ²/NDF: 119.7/95
- sign 0.011+/-0.010 χ²/NDF: 52.6/49



Right In: 44.001+/-0.011 χ^2/NDF: 3261363.0/20

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491870.5/26

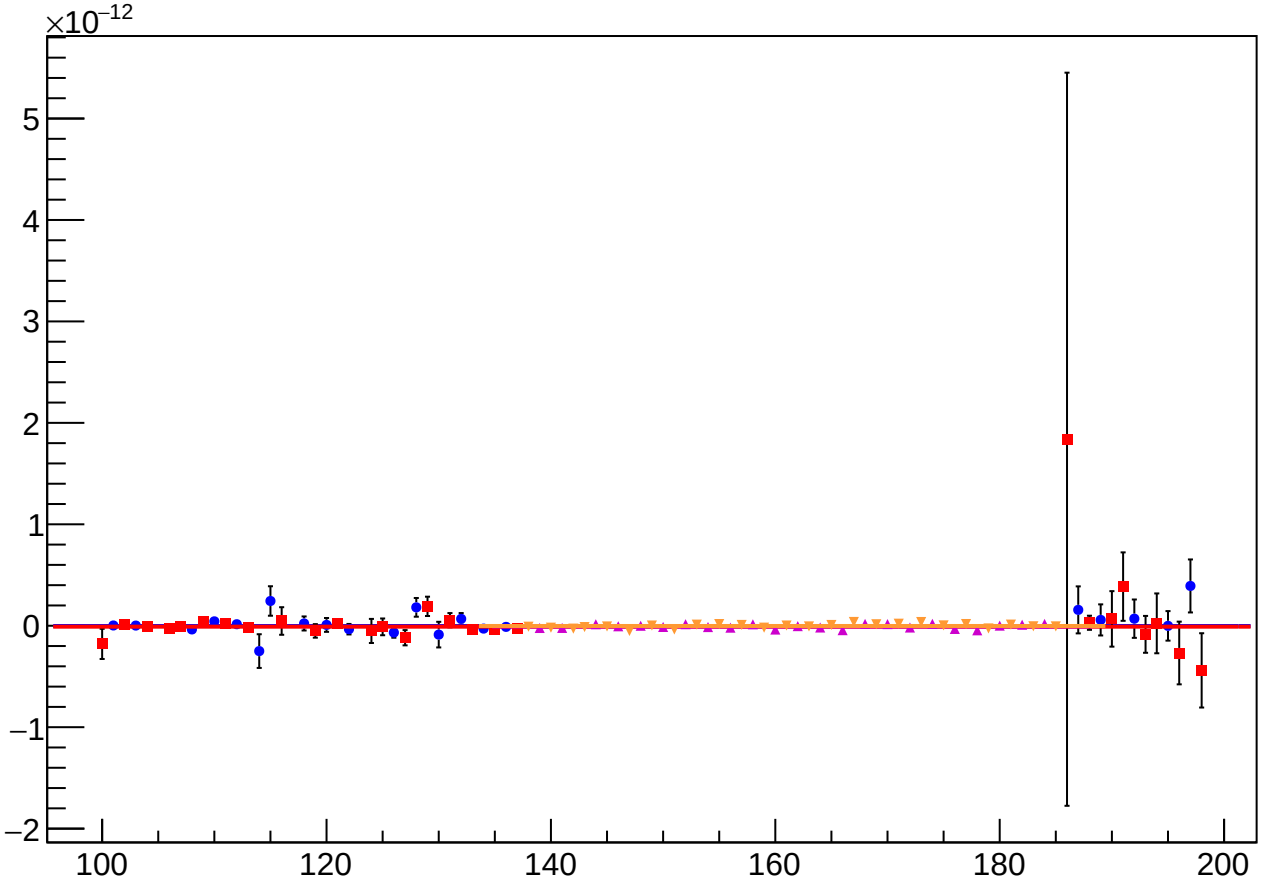
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

\+ sign 50.335+/-0.007 χ^2/NDF: 5437118.8/45

All: 50.088+/-0.005 χ^2/NDF: 13190276.2/95

\- sign 49.846+/-0.007 χ^2/NDF: 7750663.6/49

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

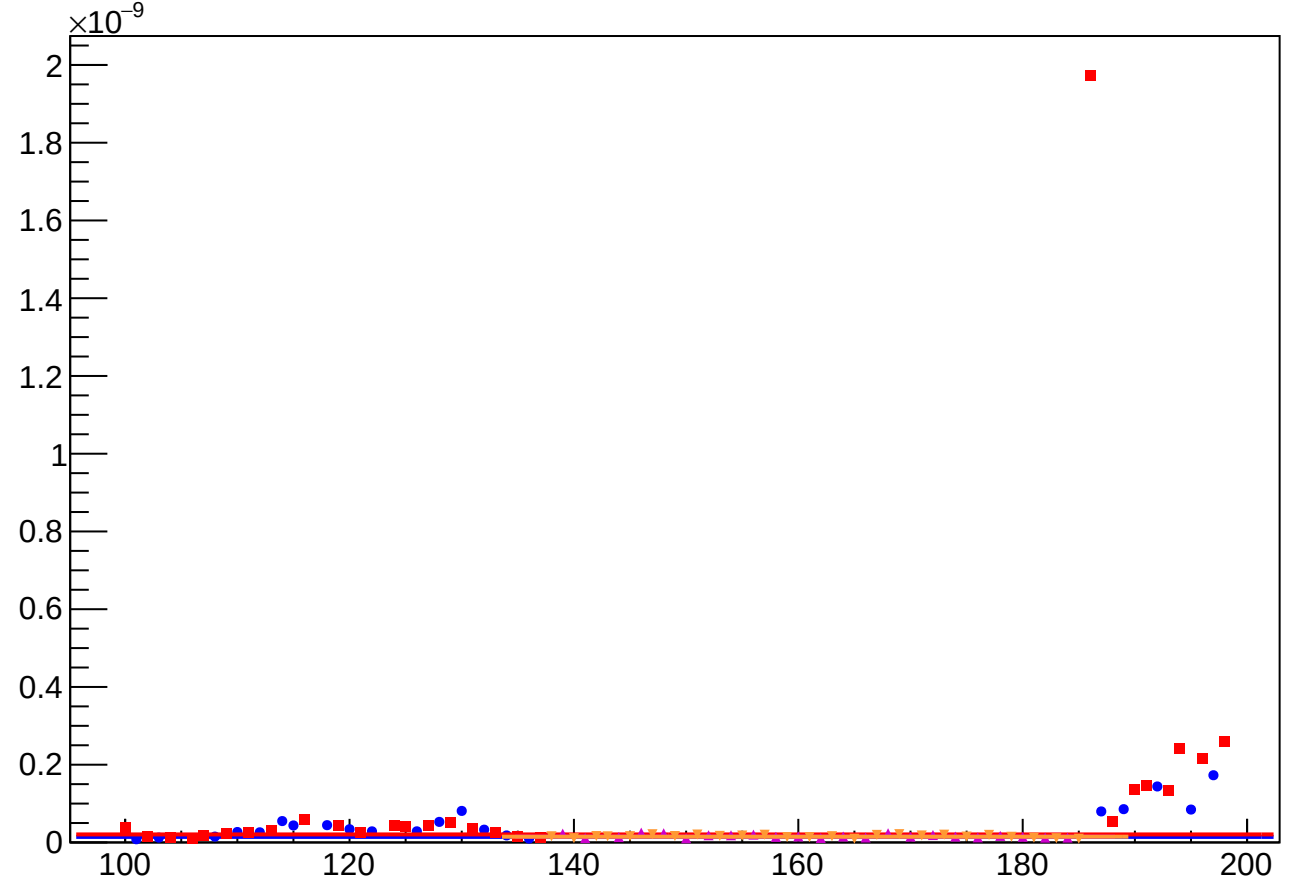
Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/26

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/45

All: -0.000+/-0.000 χ^2/NDF: 81.7/95

- sign -0.000+/-0.000 χ^2/NDF: 42.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 5945481.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7356574.7/26

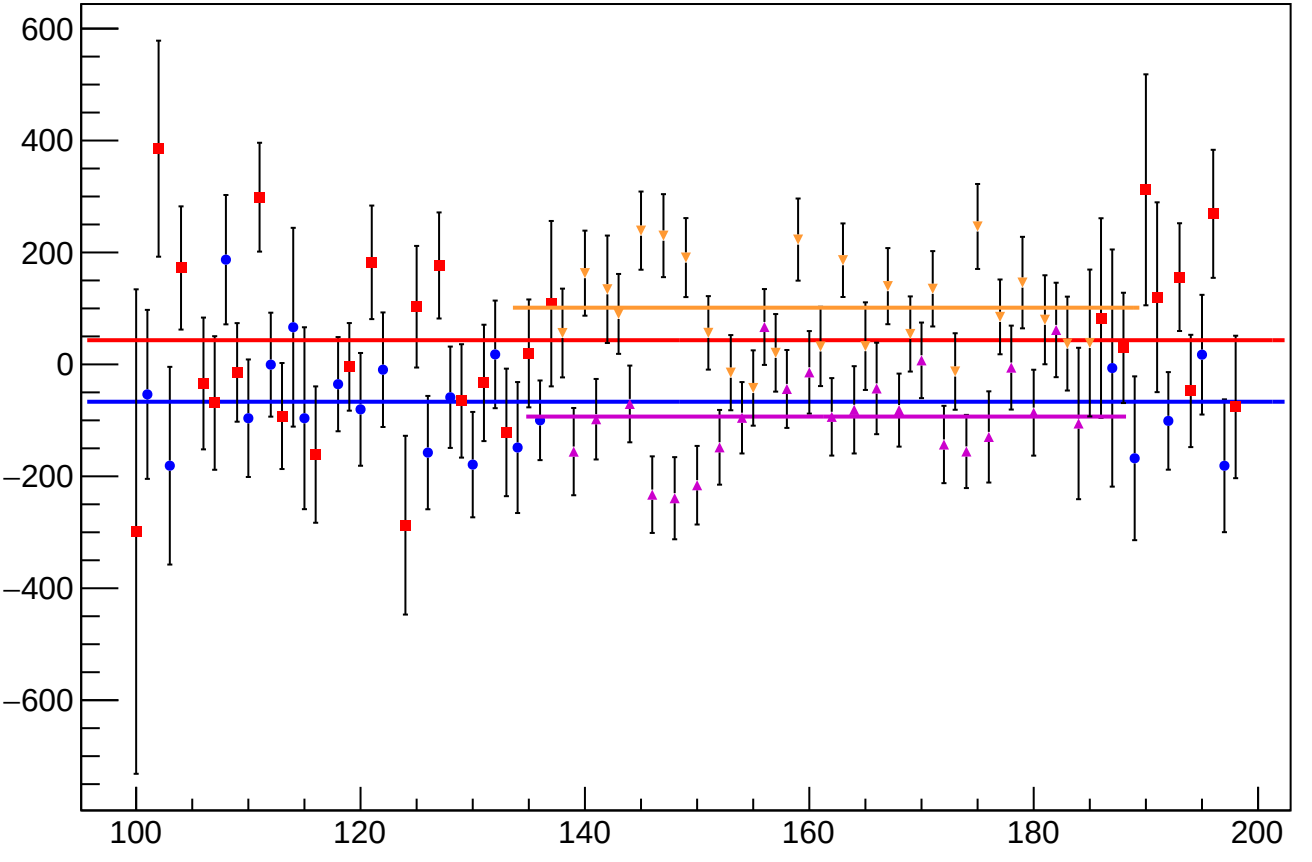
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7354561.6/45

All: 0.000+/-0.000 χ^2/NDF: 16922611.9/95

- sign 0.000+/-0.000 χ^2/NDF: 9442324.3/49

reg_asym_sam7_mean vs Slug



Right In: -66.721+/-23.362 χ^2/NDF: 12.9/20

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 43.227+/-21.695 χ^2/NDF: 40.4/26

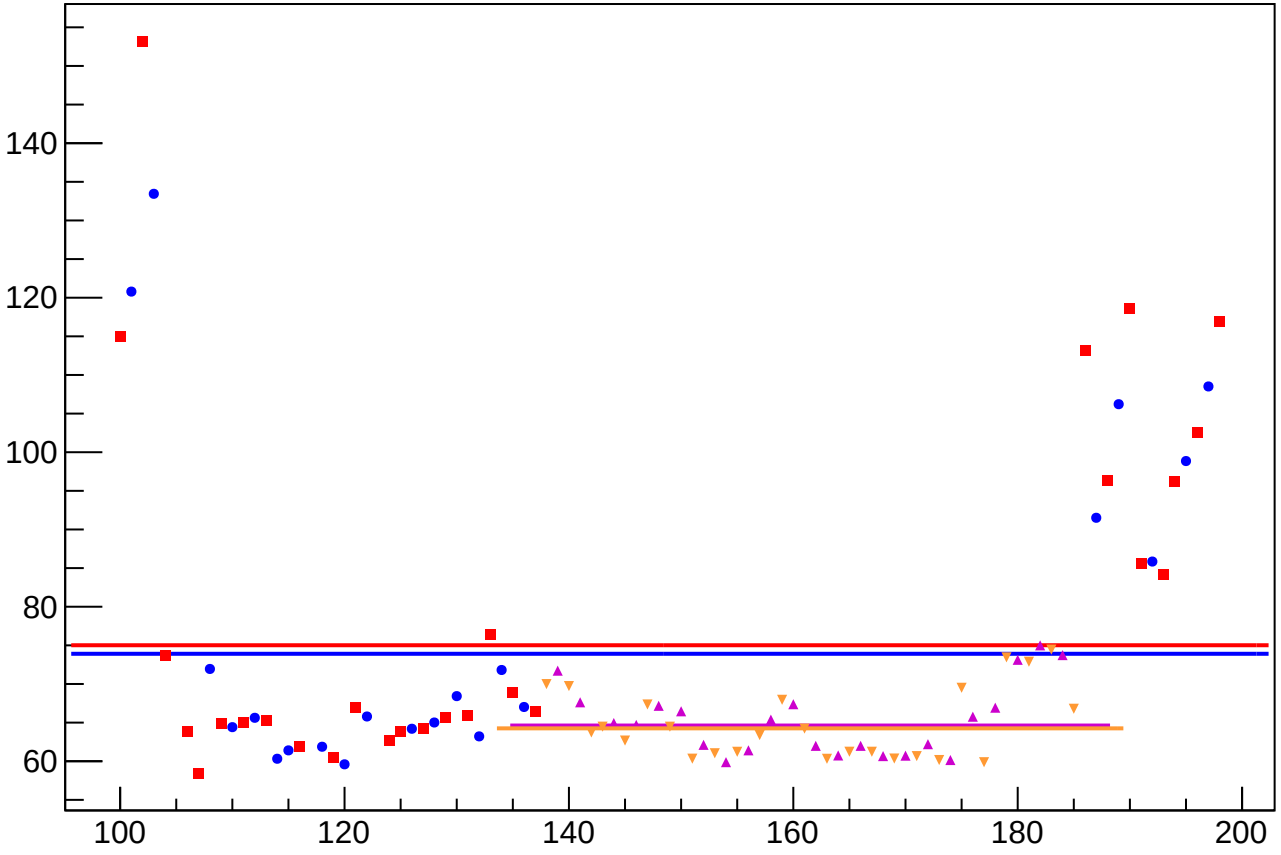
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 53.934+/-12.407 χ^2/NDF: 83.9/45

All: 2.718+/-8.775 χ^2/NDF: 213.9/95

- sign -48.556+/-12.414 χ^2/NDF: 95.9/49

reg_asym_sam7_rms vs Slug



Right In: 73.908+/-0.017 χ^2/NDF: 1086563.6/20

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 75.015+/-0.015 χ^2/NDF: 1404482.9/26

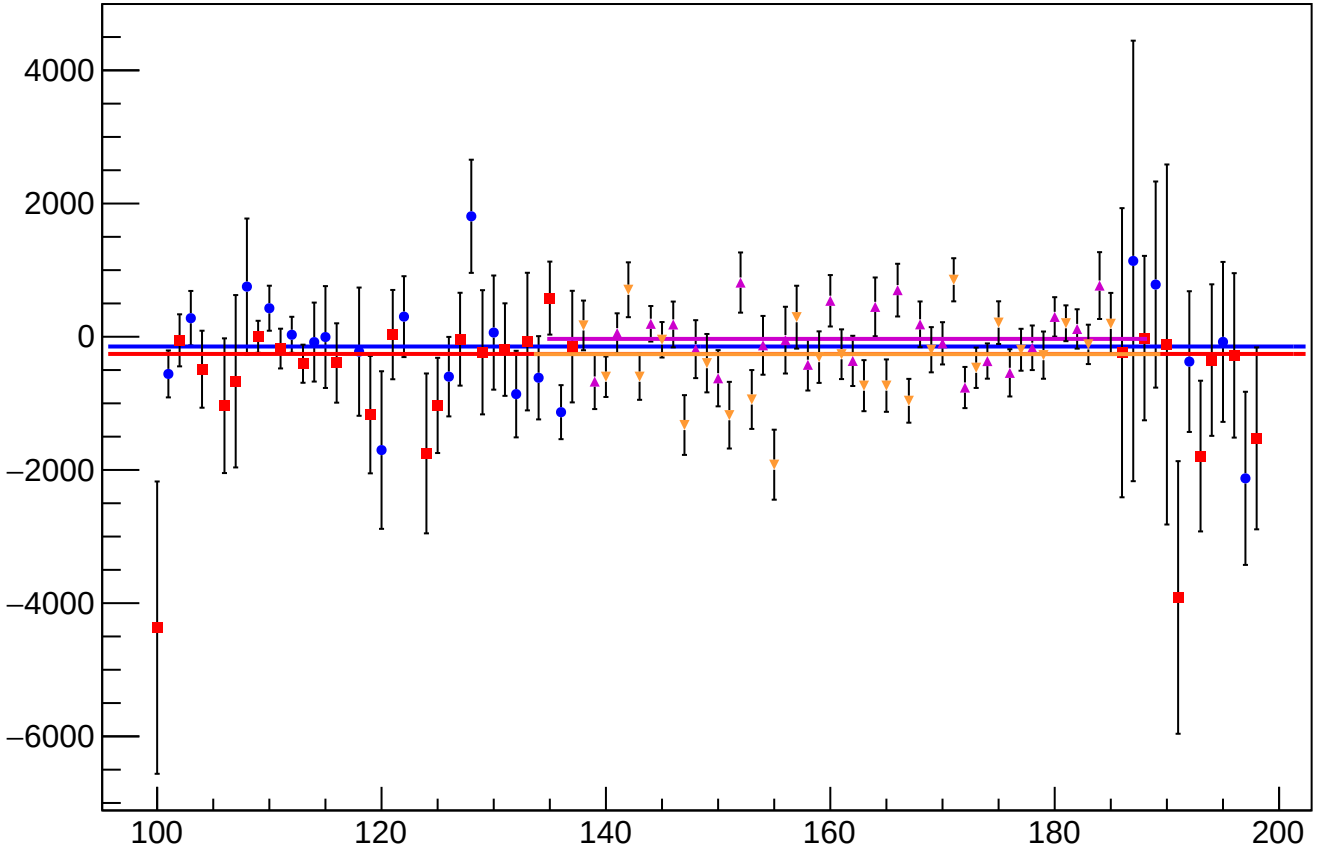
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.978+/-0.009 χ^2/NDF: 1509407.6/45

All: 67.501+/-0.006 χ^2/NDF: 3376931.8/95

- sign 68.024+/-0.009 χ^2/NDF: 1860416.0/49

asym_sam7_reg_correction_mean vs Slug



Right In: -146.597+/-123.302 χ^2/NDF: 25.4/20

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -258.169+/-114.652 χ^2/NDF: 18.6/26

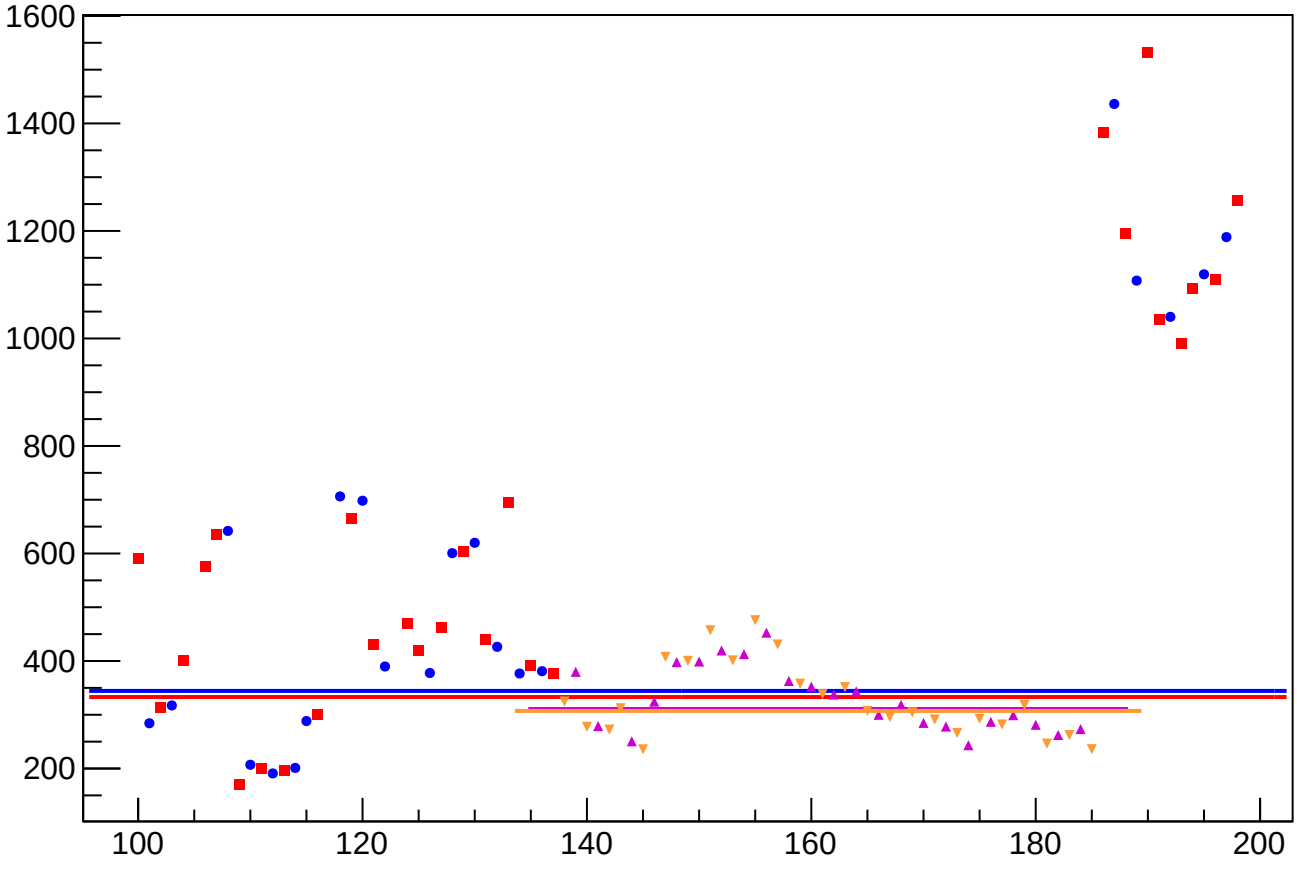
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -232.444+/-61.703 χ^2/NDF: 84.8/45

All: -165.929+/-43.762 χ^2/NDF: 140.2/95

- sign -98.603+/-62.078 χ^2/NDF: 53.0/49

asym_sam7_reg_correction_rms vs Slug



Right In: 344.346+/-0.087 χ^2/NDF: 5510022.5/20

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

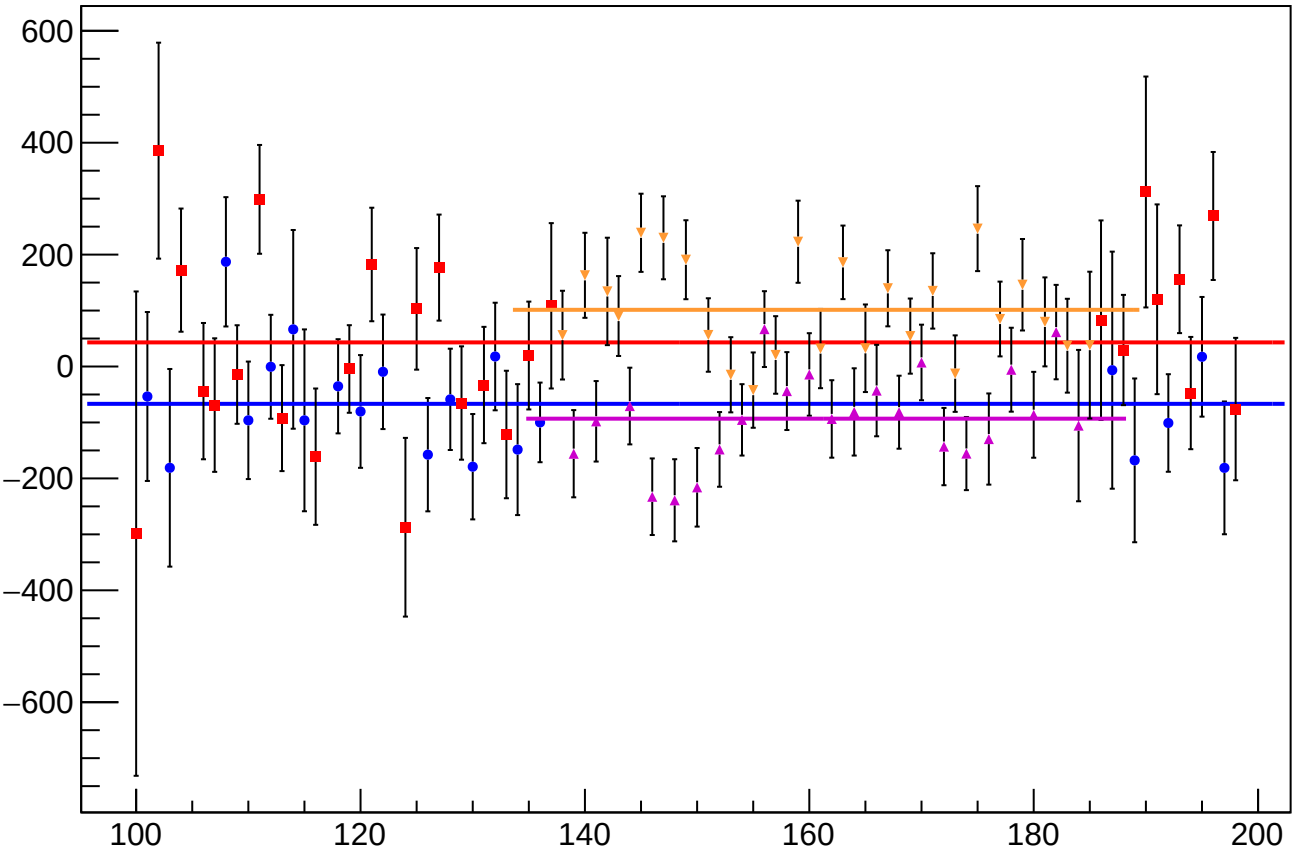
Right Out: 332.953+/-0.081 χ^2/NDF: 8350175.2/26

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 316.460+/-0.044 χ^2/NDF: 6966651.0/45

All: 316.838+/-0.031 χ^2/NDF: 16449722.3/95

- sign 317.222+/-0.044 χ^2/NDF: 9482919.7/49



Right In: -66.723+/-23.362 χ^2/NDF: 12.9/20

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 43.086+/-21.719 χ^2/NDF: 40.5/26

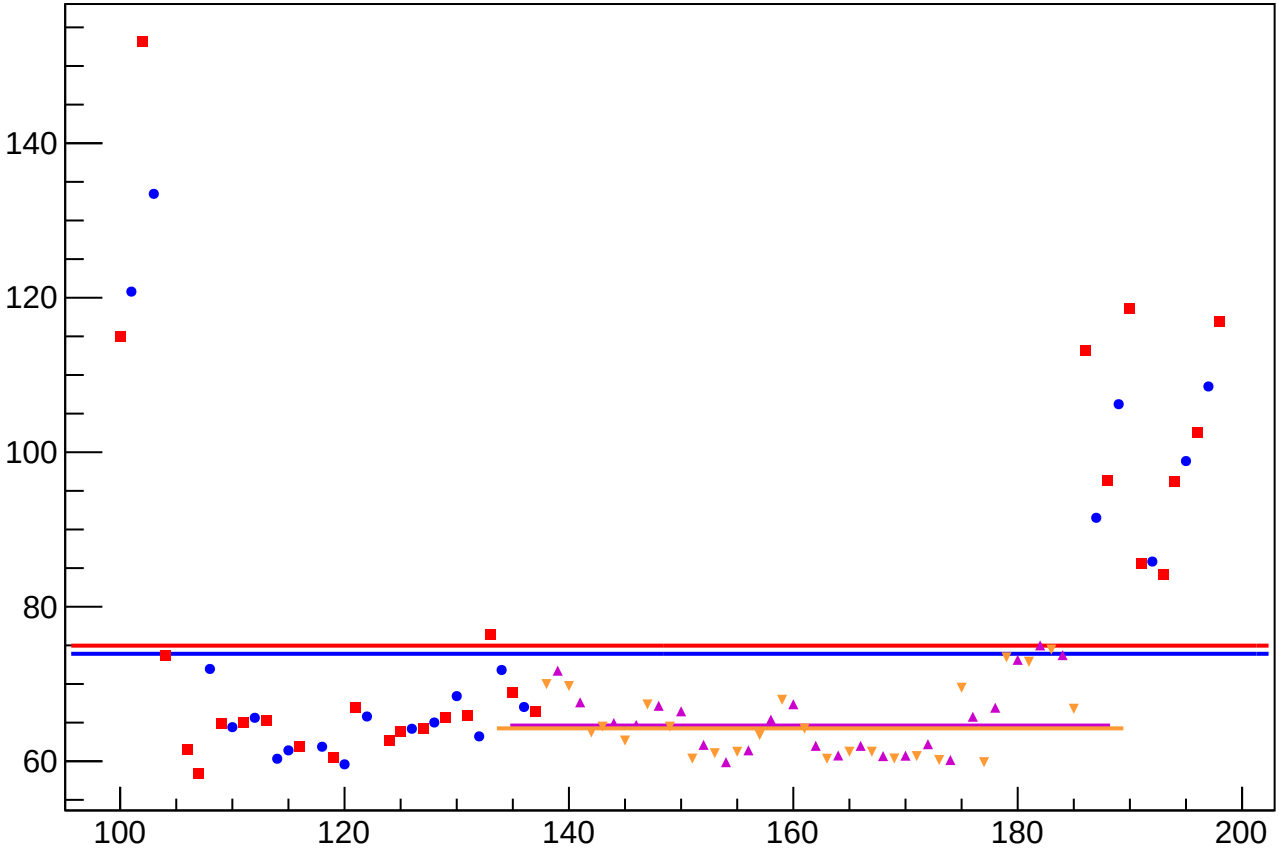
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 53.933+/-12.407 χ^2/NDF: 83.9/45

All: 2.681+/-8.777 χ^2/NDF: 214.0/95

- sign -48.668+/-12.418 χ^2/NDF: 95.9/49

cor_asym_sam7_rms vs Slug



Right In: 73.908+/-0.017 χ^2/NDF: 1086563.9/20

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 74.964+/-0.015 χ^2/NDF: 1411145.6/26

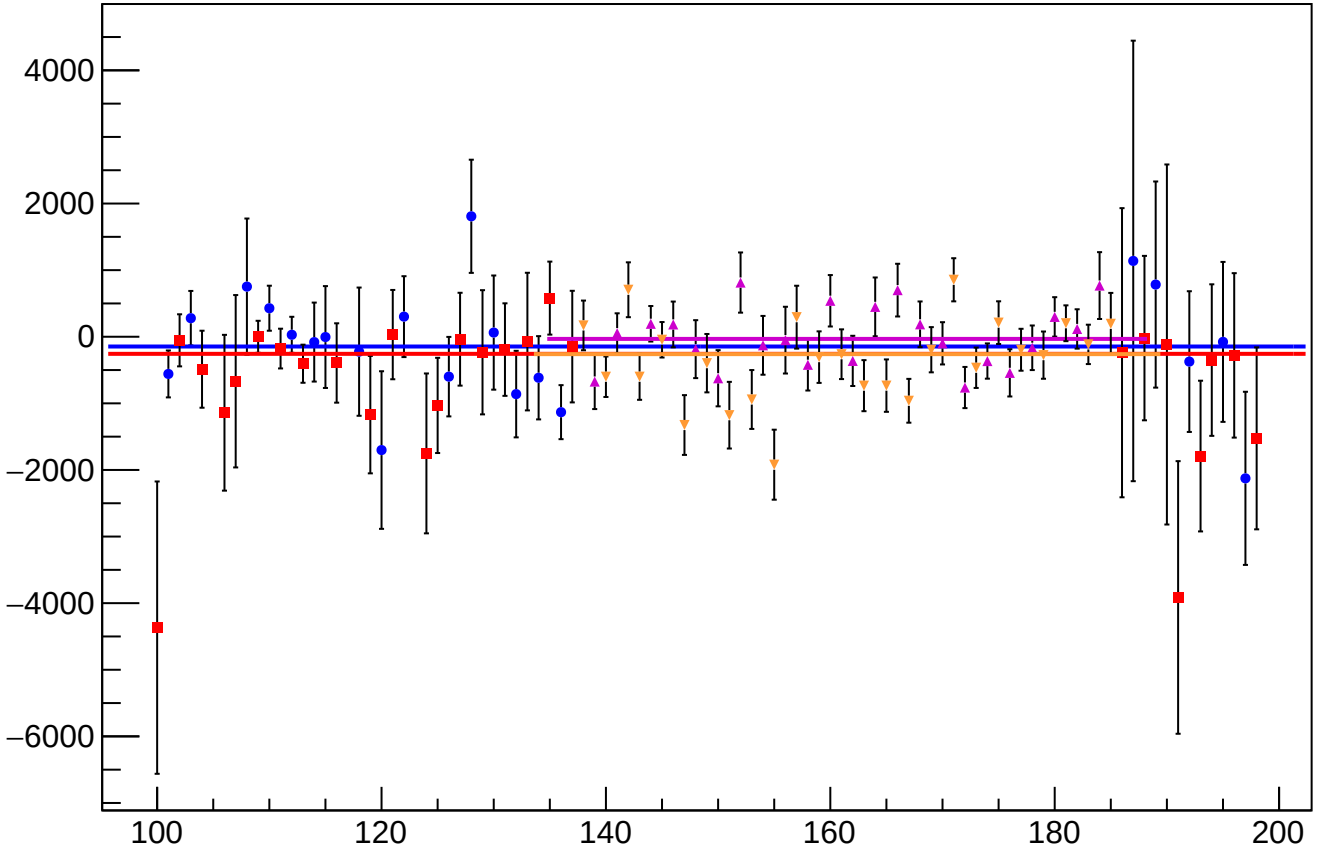
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.978+/-0.009 χ^2/NDF: 1509408.0/45

All: 67.490+/-0.006 χ^2/NDF: 3379865.5/95

- sign 68.003+/-0.009 χ^2/NDF: 1863641.5/49

asym_sam7_cor_correction_mean vs Slug



Right In: -146.594+/-123.302 χ^2/NDF: 25.4/20

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -256.672+/-114.843 χ^2/NDF: 18.6/26

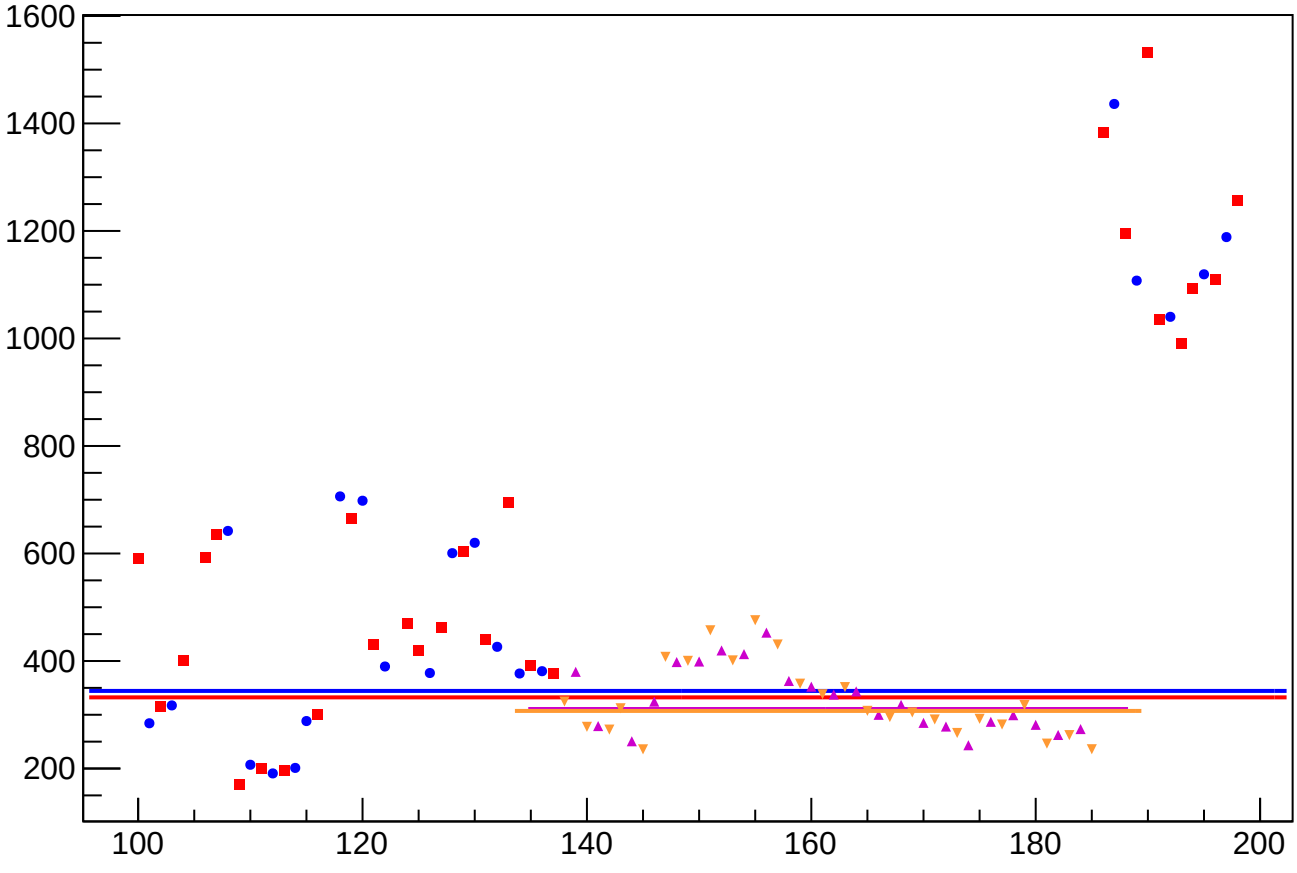
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -232.444+/-61.703 χ^2/NDF: 84.8/45

All: -165.665+/-43.773 χ^2/NDF: 140.2/95

- sign -98.007+/-62.108 χ^2/NDF: 53.0/49

asym_sam7_cor_correction_rms vs Slug



Right In: 344.348+/-0.087 χ^2/NDF: 5510006.7/20

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 332.352+/-0.081 χ^2/NDF: 8334253.2/26

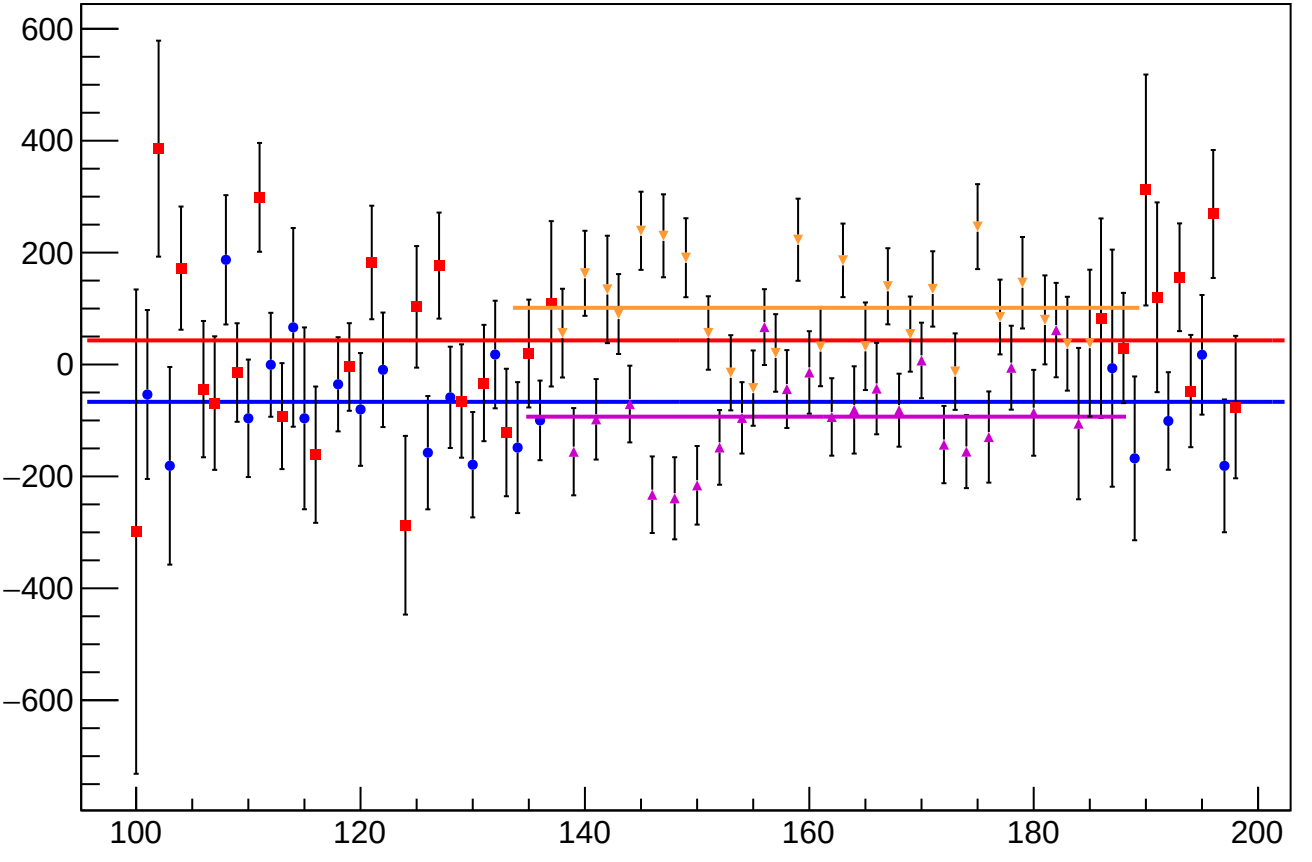
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 316.460+/-0.044 χ^2/NDF: 6966647.5/45

All: 316.744+/-0.031 χ^2/NDF: 16430776.7/95

- sign 317.031+/-0.044 χ^2/NDF: 9464044.2/49

eigen_cor_asym_sam7_mean vs Slug



Right In: -66.723+/-23.362 χ^2/NDF: 12.9/20

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 43.086+/-21.719 χ^2/NDF: 40.5/26

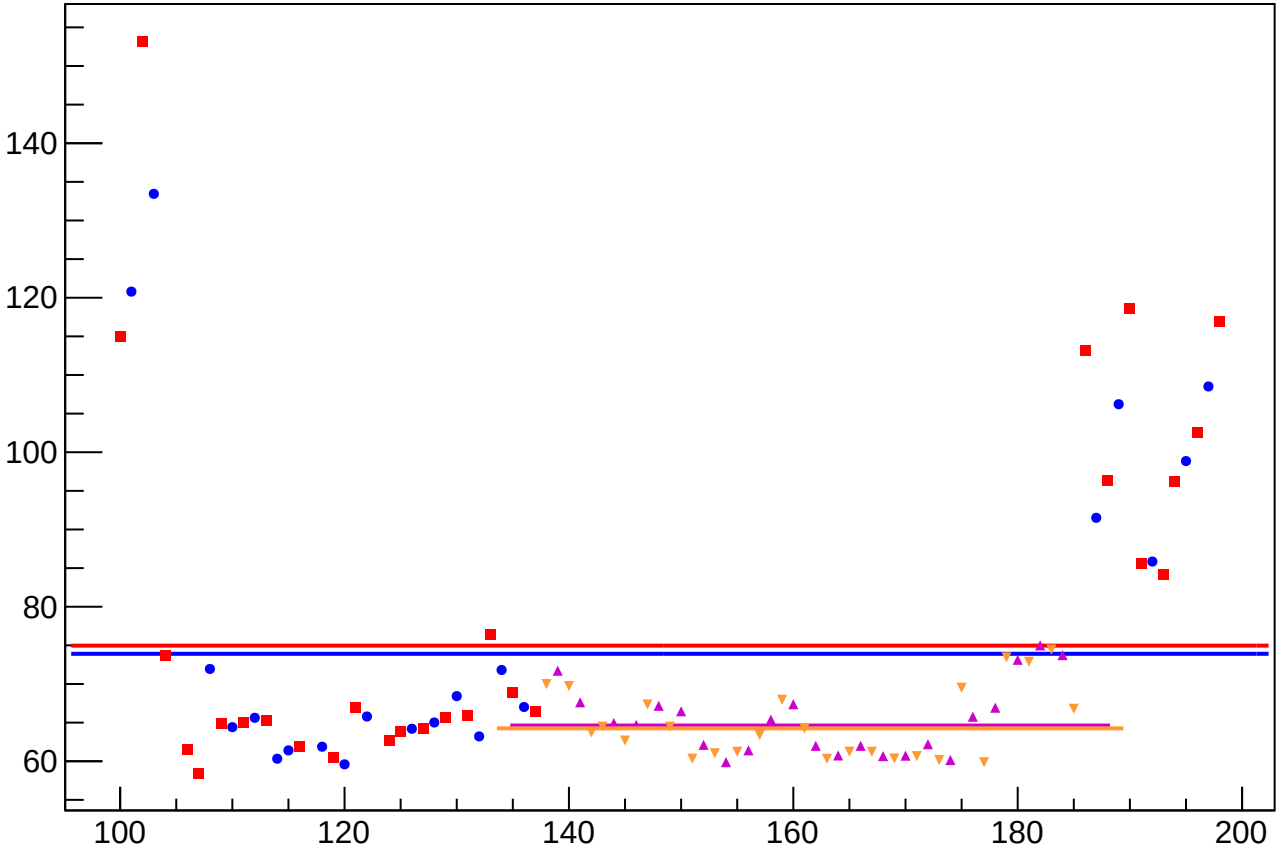
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 53.933+/-12.407 χ^2/NDF: 83.9/45

All: 2.681+/-8.777 χ^2/NDF: 214.0/95

- sign -48.668+/-12.418 χ^2/NDF: 95.9/49

eigen_cor_asym_sam7_rms vs Slug



Right In: 73.908+/-0.017 χ^2/NDF: 1086563.9/20

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

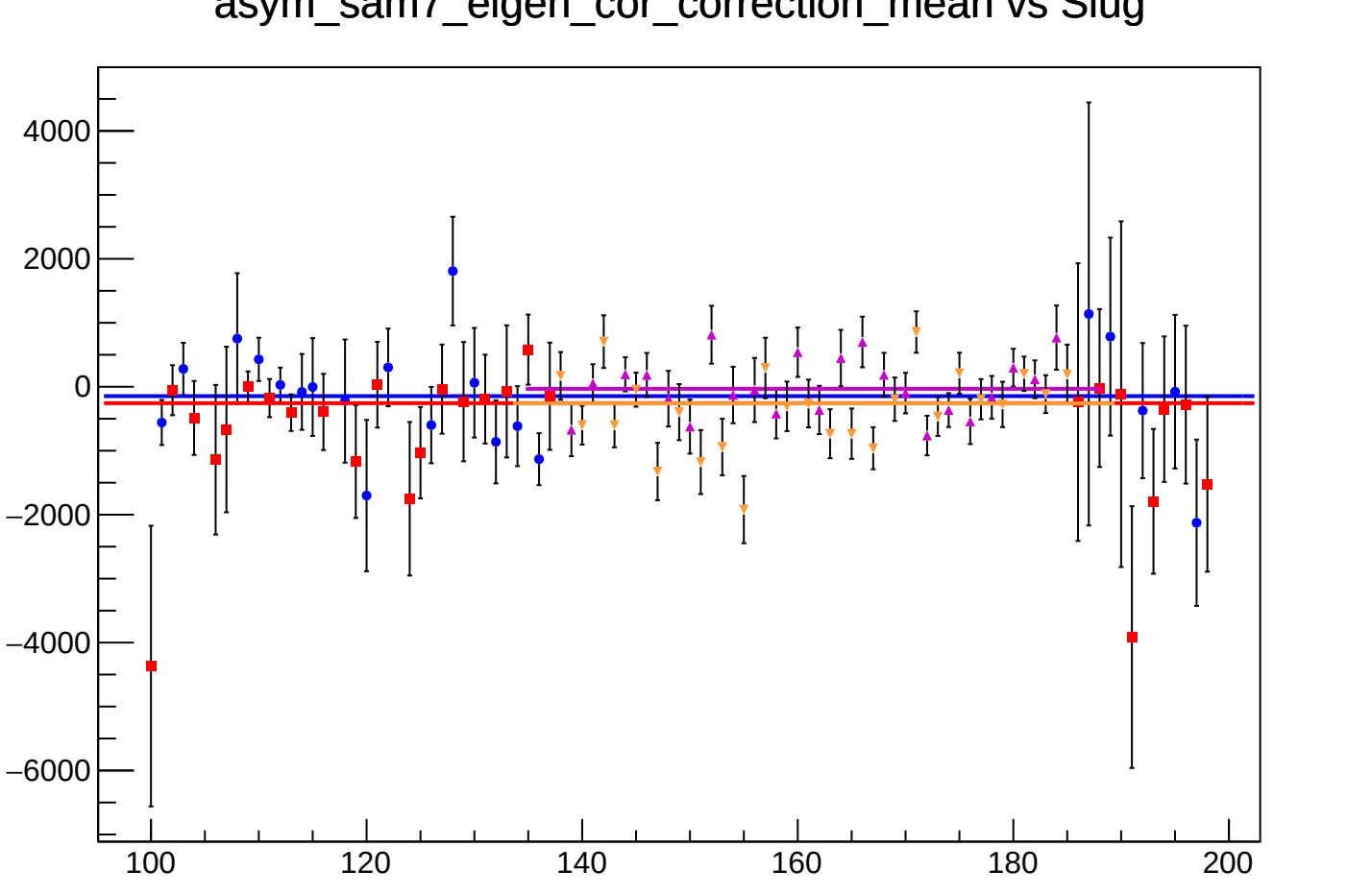
Right Out: 74.964+/-0.015 χ^2/NDF: 1411145.6/26

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.978+/-0.009 χ^2/NDF: 1509408.0/45

All: 67.490+/-0.006 χ^2/NDF: 3379865.5/95

- sign 68.003+/-0.009 χ^2/NDF: 1863641.5/49



Right In: -146.594+/-123.302 χ^2/NDF: 25.4/20

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -256.672+/-114.843 χ^2/NDF: 18.6/26

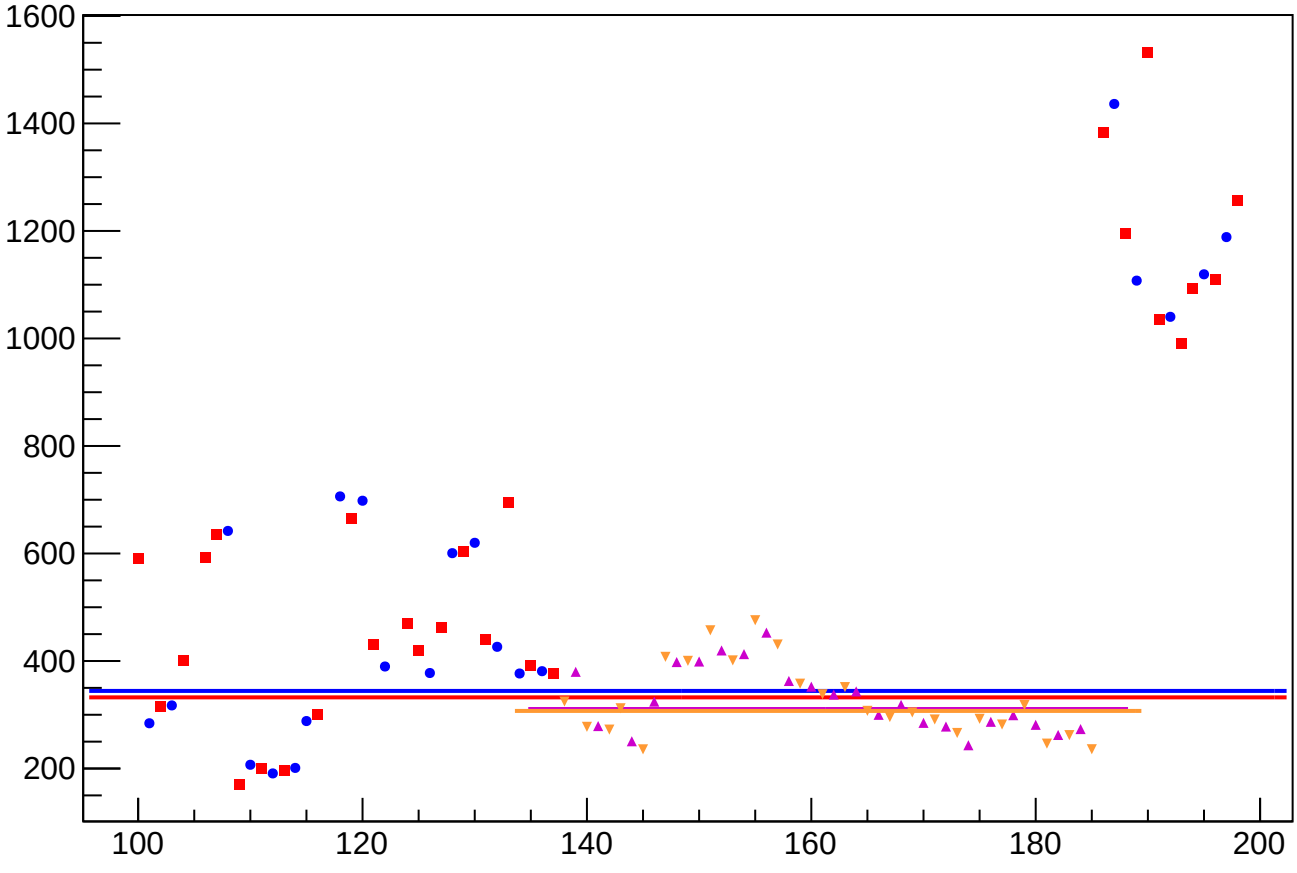
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -232.444+/-61.703 χ^2/NDF: 84.8/45

All: -165.665+/-43.773 χ^2/NDF: 140.2/95

- sign -98.007+/-62.108 χ^2/NDF: 53.0/49

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 344.348+/-0.087 χ^2/NDF: 5510006.7/20

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

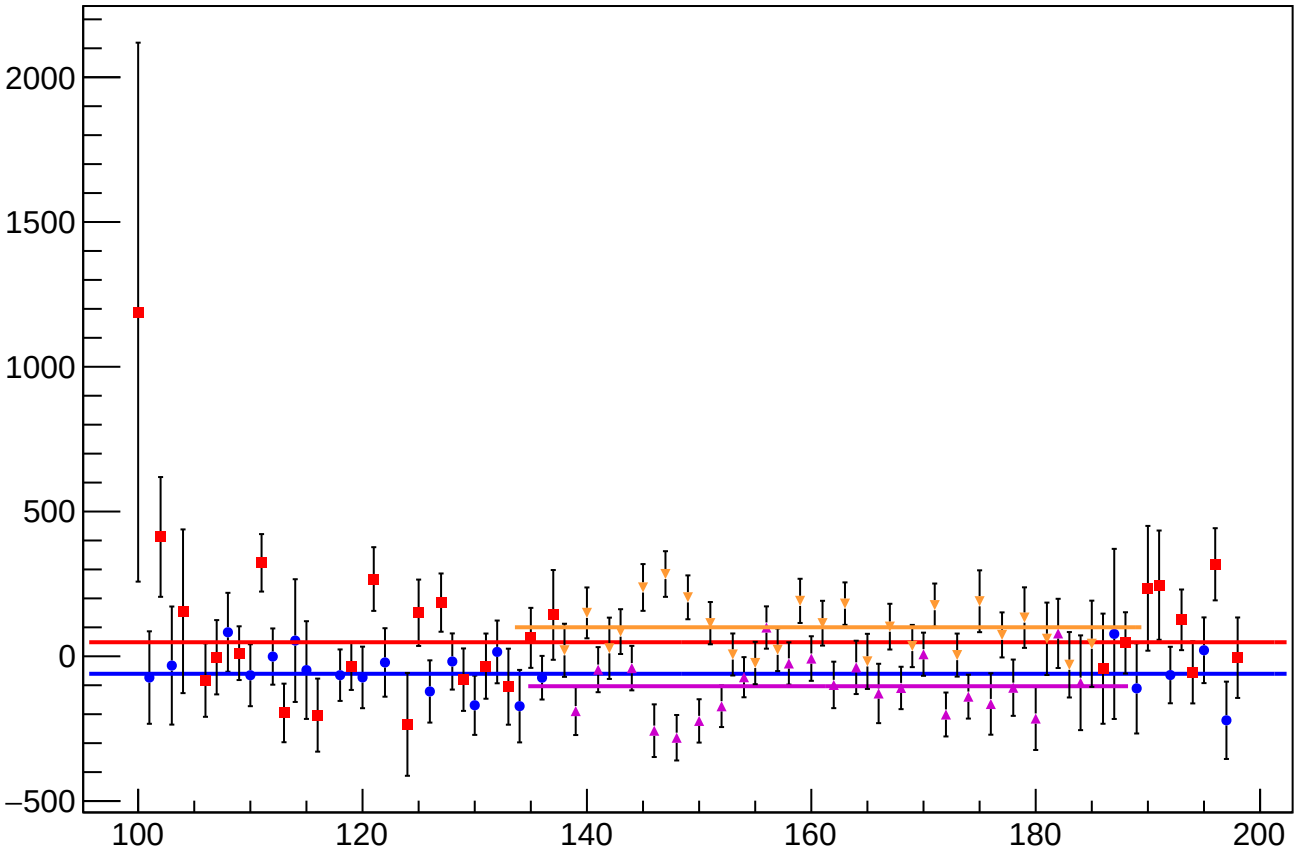
Right Out: 332.352+/-0.081 χ^2/NDF: 8334253.2/26

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 316.460+/-0.044 χ^2/NDF: 6966647.5/45

All: 316.744+/-0.031 χ^2/NDF: 16430776.7/95

- sign 317.031+/-0.044 χ^2/NDF: 9464044.2/49



Right In: -60.399+/-25.325 χ^2/NDF: 7.2/20

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 48.579+/-23.617 χ^2/NDF: 45.8/26

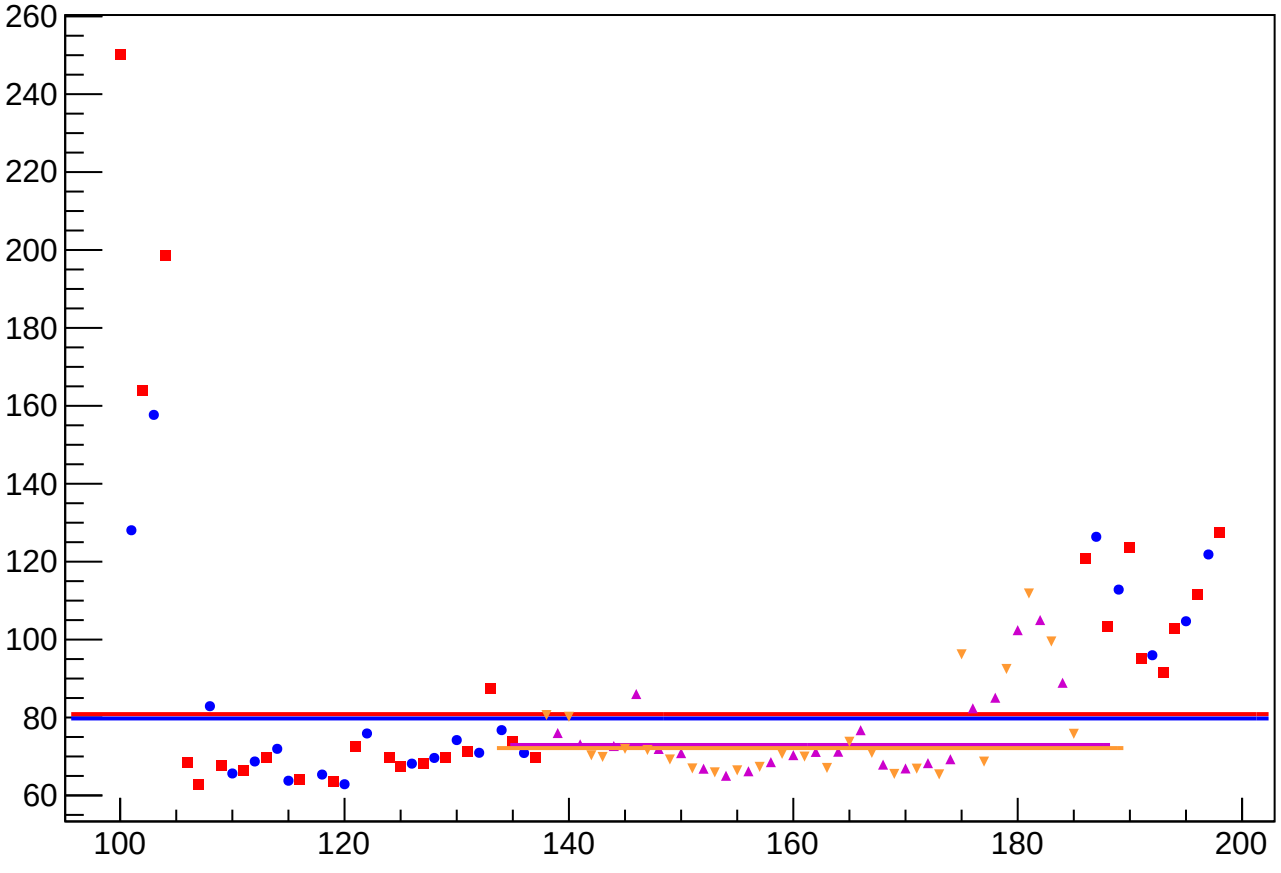
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 51.886+/-13.898 χ^2/NDF: 63.0/45

All: 0.850+/-9.841 χ^2/NDF: 195.5/95

- sign -50.460+/-13.935 χ^2/NDF: 105.5/49

dit_asym_sam7_rms vs Slug



Right In: 79.756+/-0.018 χ^2/NDF: 1246674.5/20

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 80.871+/-0.017 χ^2/NDF: 1885910.5/26

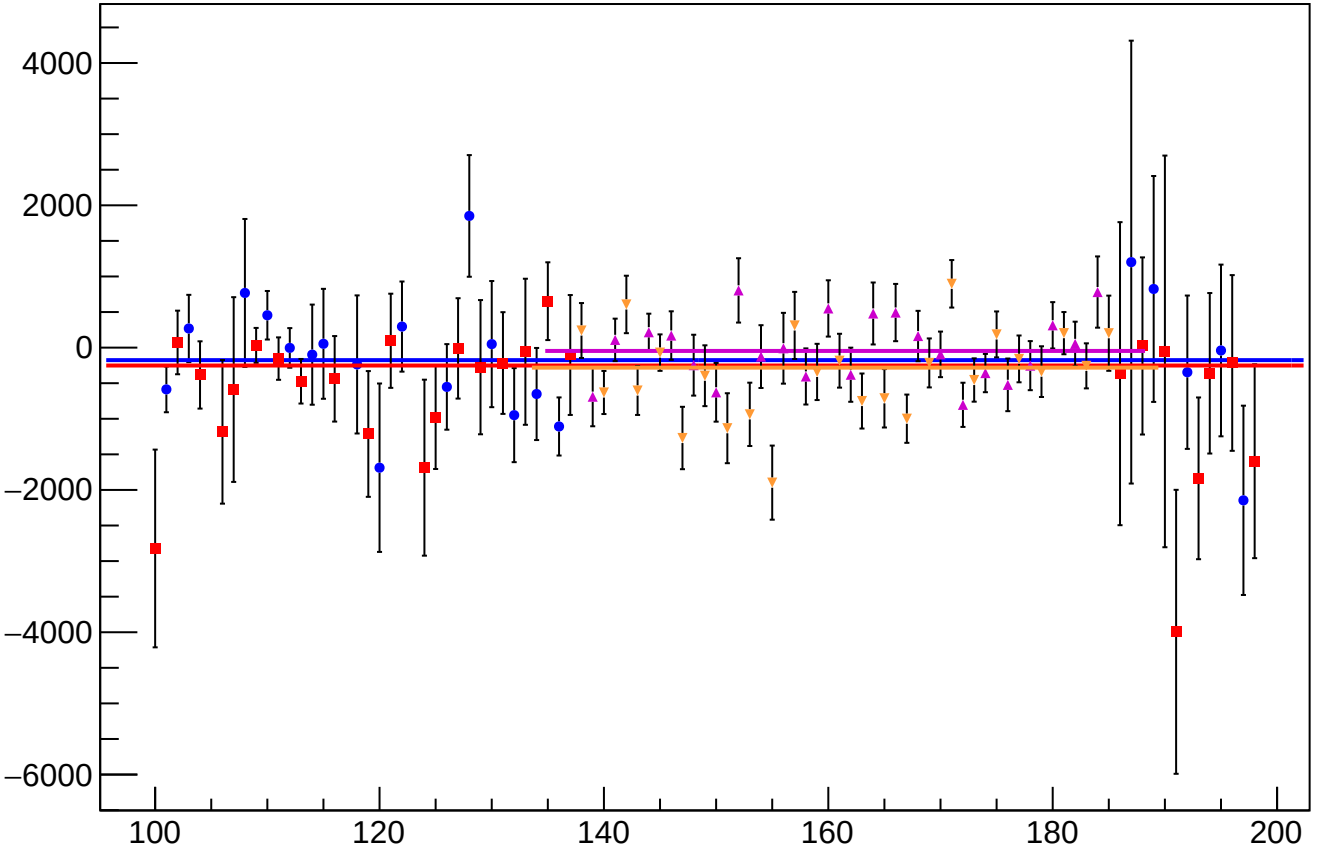
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 74.440+/-0.010 χ^2/NDF: 2014724.6/45

All: 75.072+/-0.007 χ^2/NDF: 4564650.8/95

- sign 75.707+/-0.010 χ^2/NDF: 2541647.5/49

asym_sam7_dit_correction_mean vs Slug



Right In: -175.843+/-125.756 χ^2/NDF: 25.5/20

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -251.407+/-116.795 χ^2/NDF: 20.2/26

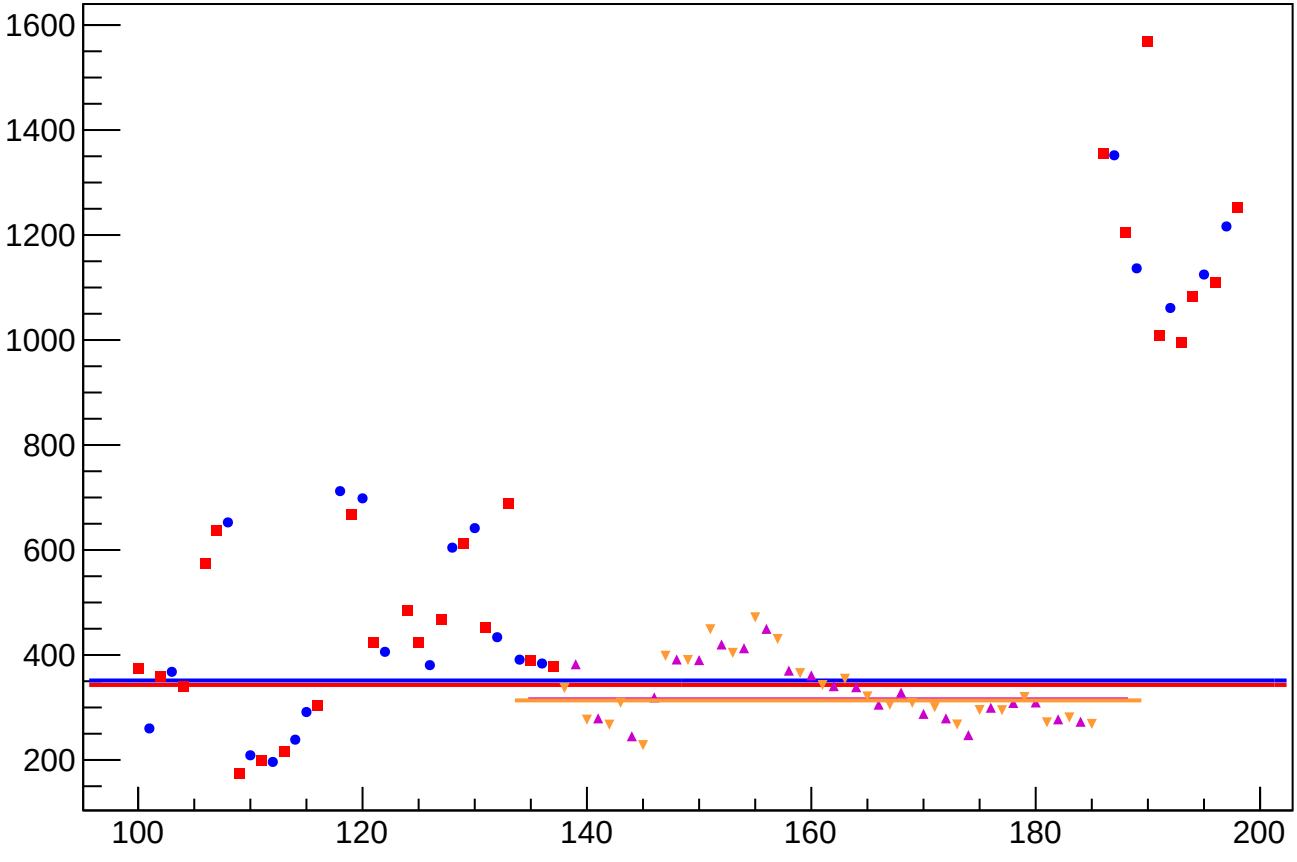
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -254.901+/-62.834 χ^2/NDF: 82.8/45

All: -180.831+/-44.506 χ^2/NDF: 138.7/95

- sign -106.258+/-63.047 χ^2/NDF: 53.2/49

asym_sam7_dit_correction_rms vs Slug



Right In: 351.413+/-0.089 χ^2/NDF: 5504469.2/20

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 342.898+/-0.083 χ^2/NDF: 8048373.4/26

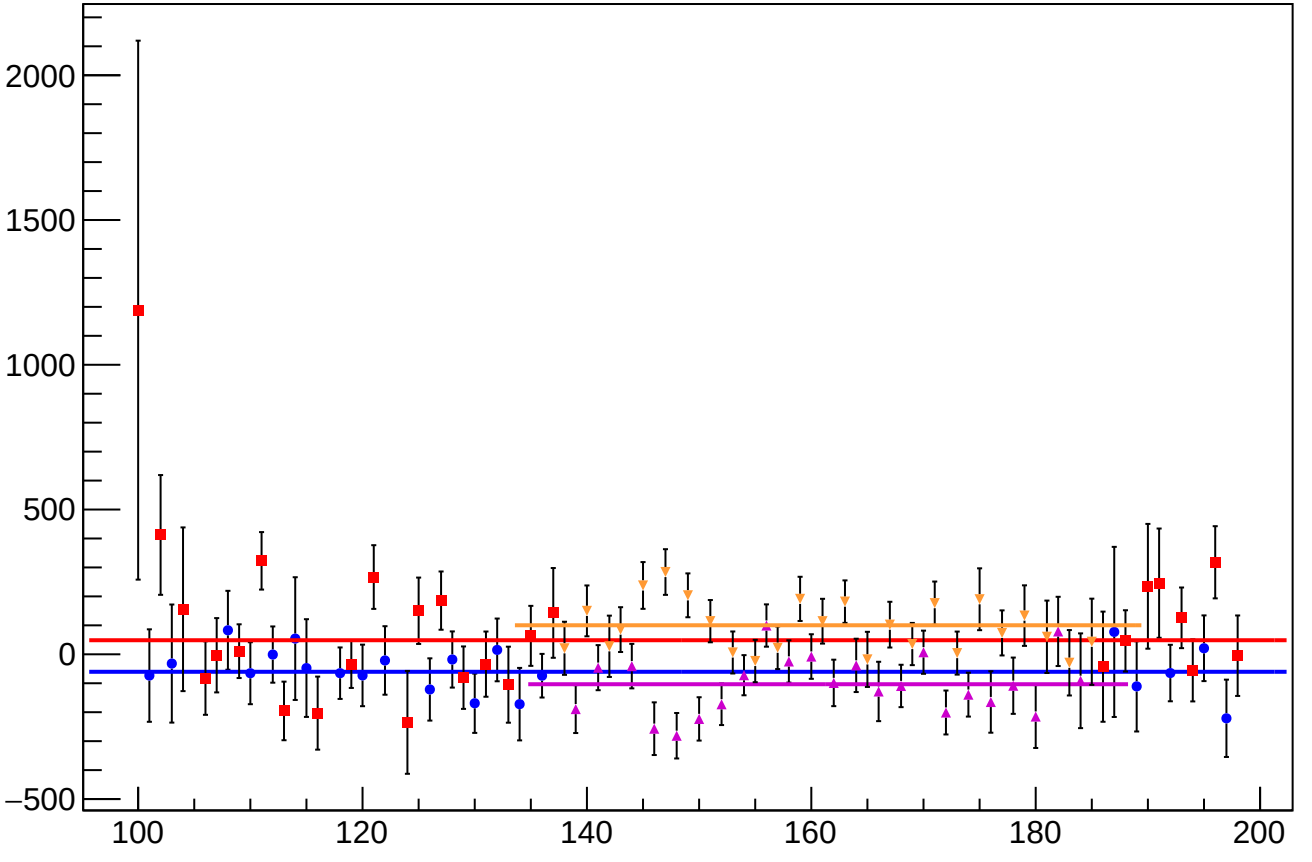
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

\+ sign 322.965+/-0.044 χ^2/NDF: 6816396.4/45

All: 323.208+/-0.031 χ^2/NDF: 15951594.5/95

\- sign 323.452+/-0.045 χ^2/NDF: 9135138.2/49

eigen_dit_asym_sam7_mean vs Slug



Right In: -60.398+/-25.325 χ^2/NDF: 7.2/20

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 48.580+/-23.617 χ^2/NDF: 45.8/26

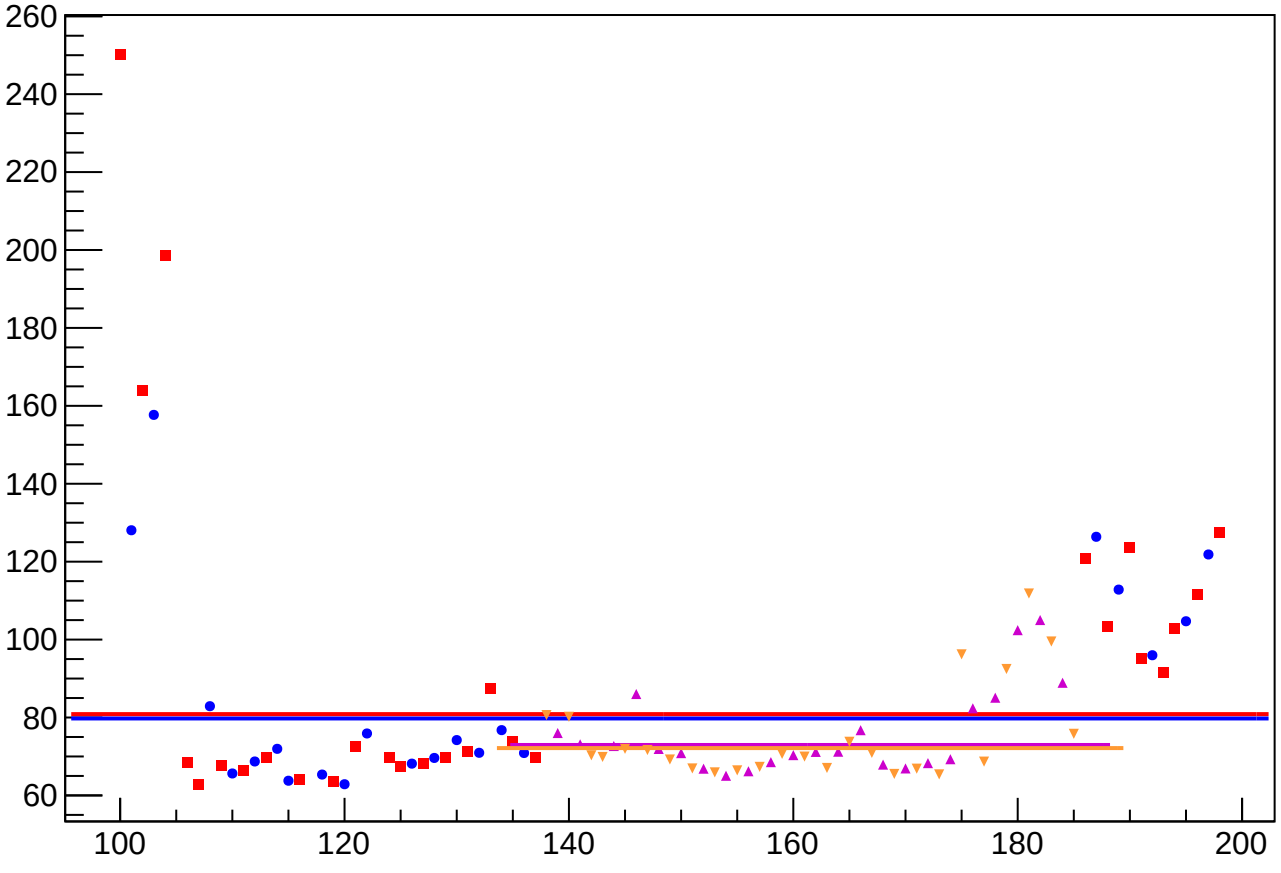
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 51.886+/-13.898 χ^2/NDF: 63.0/45

All: 0.850+/-9.841 χ^2/NDF: 195.5/95

- sign -50.460+/-13.935 χ^2/NDF: 105.5/49

eigen_dit_asym_sam7_rms vs Slug



Right In: 79.756+/-0.018 χ^2/NDF: 1246680.2/20

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 80.871+/-0.017 χ^2/NDF: 1885908.4/26

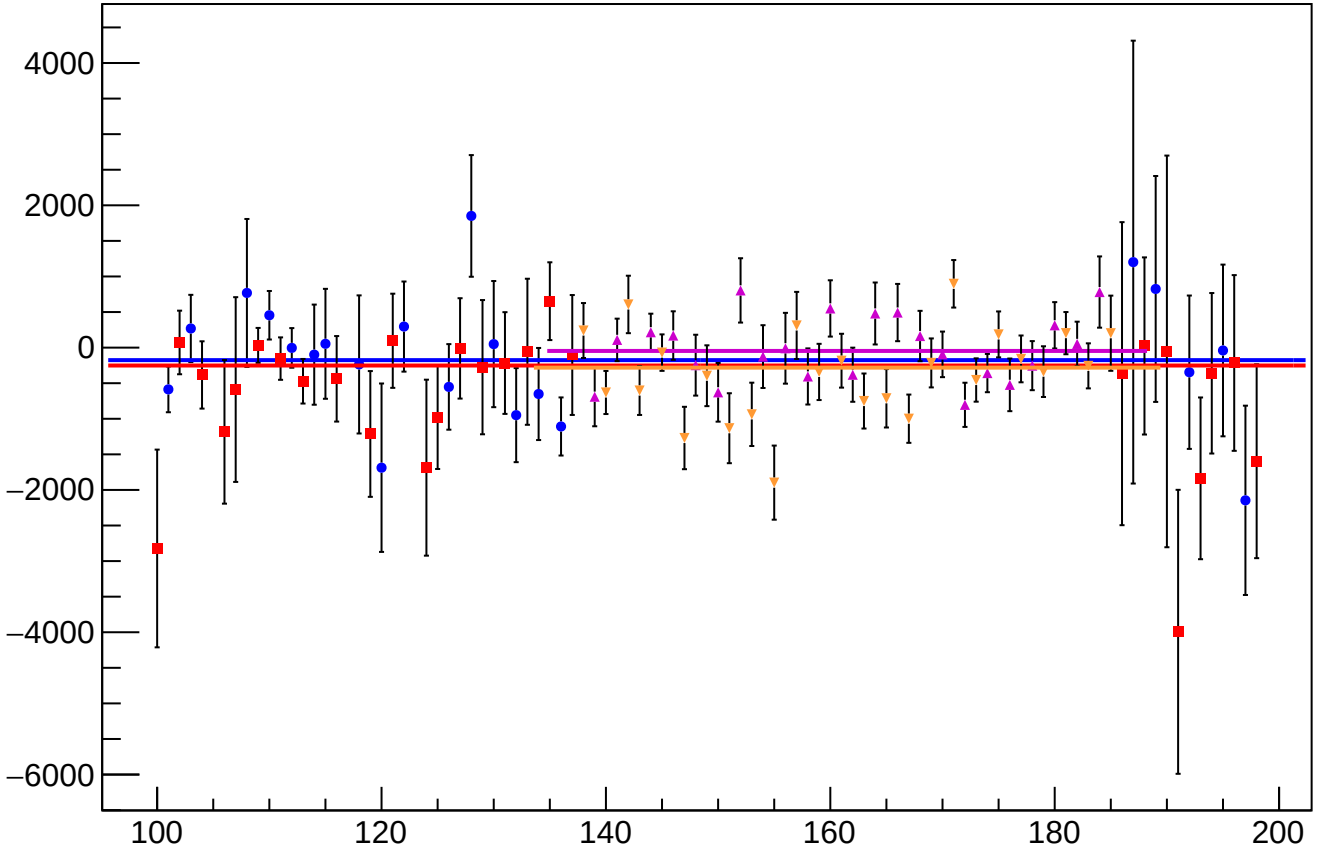
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 74.440+/-0.010 χ^2/NDF: 2014723.1/45

All: 75.072+/-0.007 χ^2/NDF: 4564642.6/95

- sign 75.707+/-0.010 χ^2/NDF: 2541640.6/49

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -175.841+/-125.755 χ^2/NDF: 25.5/20

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -251.405+/-116.794 χ^2/NDF: 20.2/26

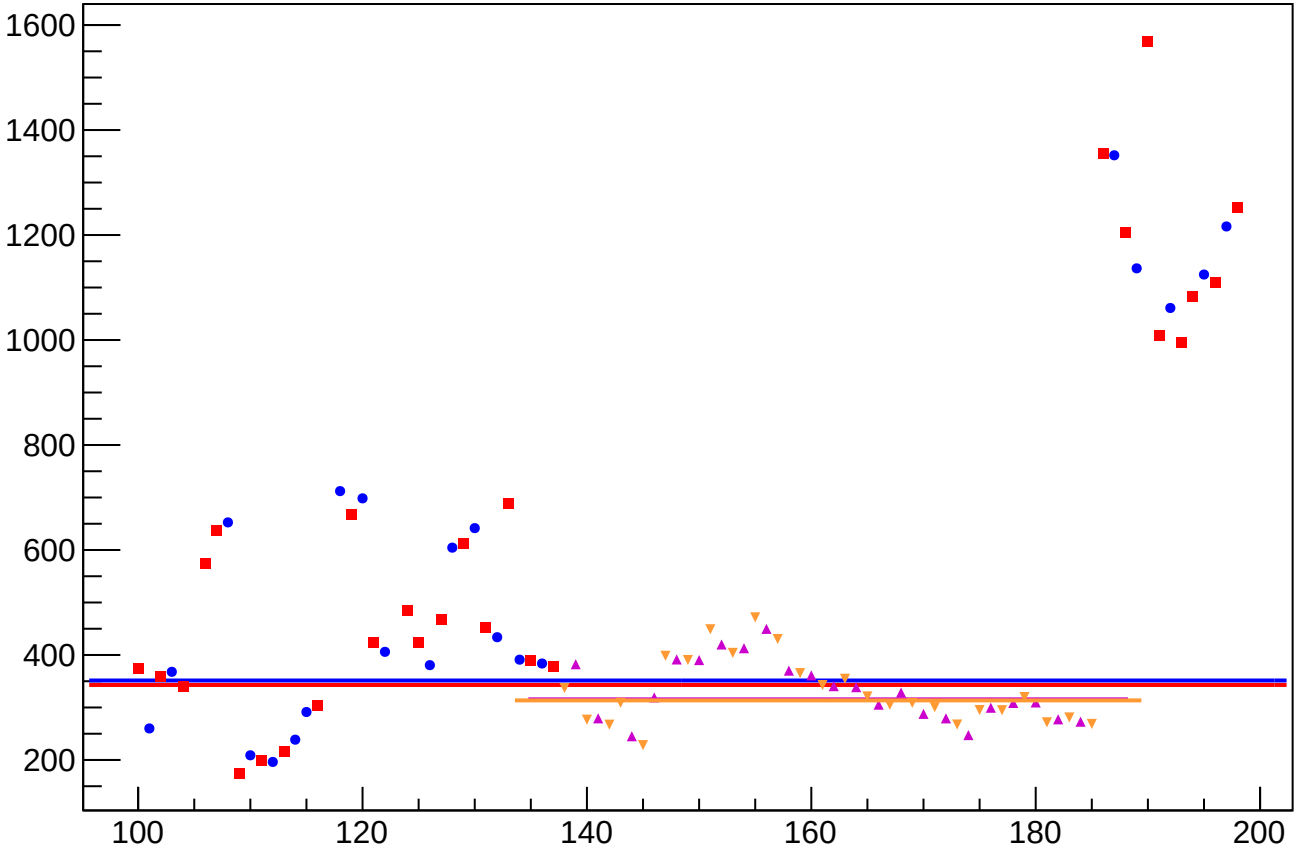
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -254.900+/-62.834 χ^2/NDF: 82.8/45

All: -180.831+/-44.506 χ^2/NDF: 138.7/95

- sign -106.258+/-63.047 χ^2/NDF: 53.2/49

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 351.410+/-0.089 χ^2/NDF: 5504522.3/20

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

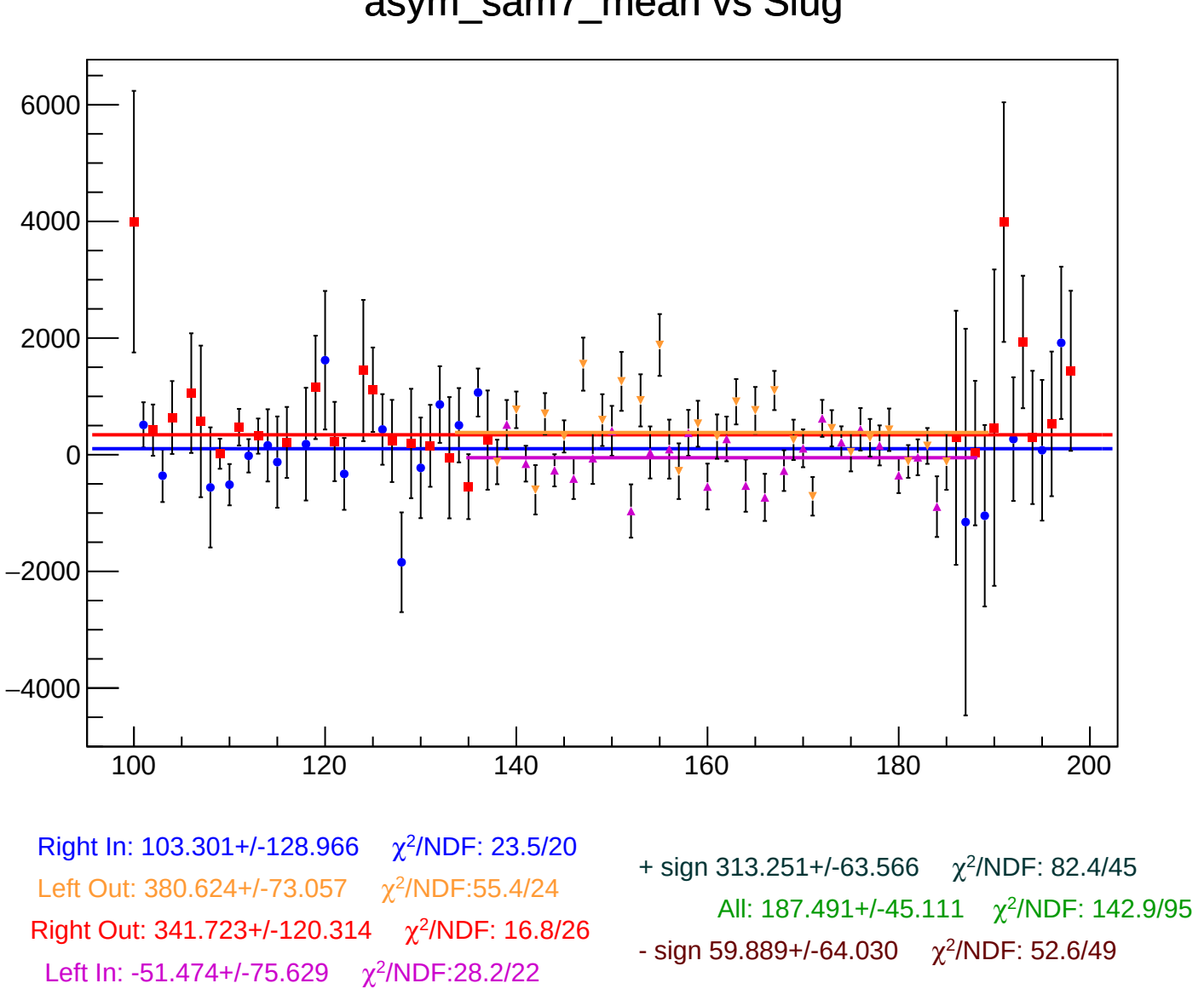
Right Out: 342.896+/-0.083 χ^2/NDF: 8048403.6/26

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

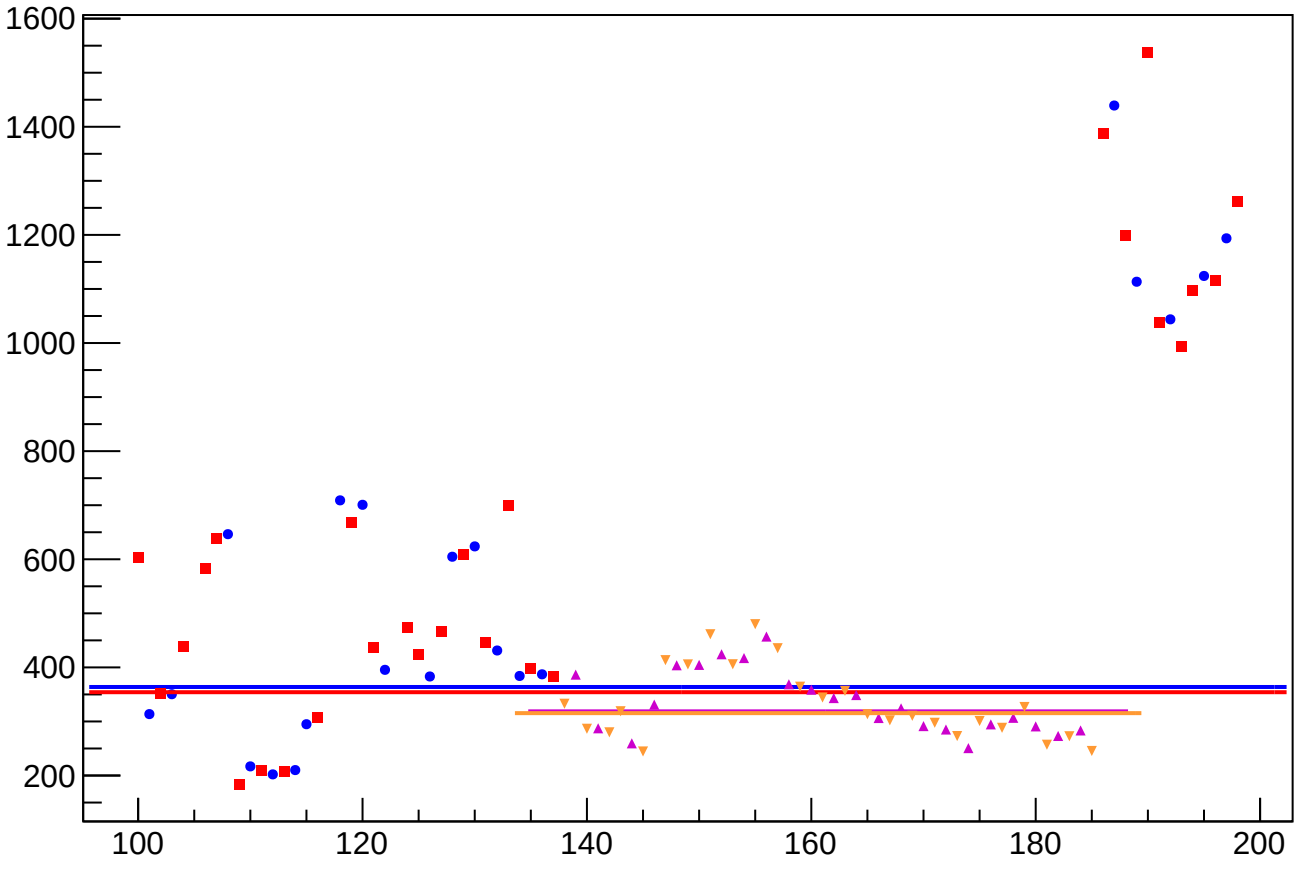
+ sign 322.965+/-0.044 χ^2/NDF: 6816436.1/45

All: 323.207+/-0.031 χ^2/NDF: 15951651.9/95

- sign 323.452+/-0.045 χ^2/NDF: 9135156.0/49


asym_sam7_mean vs Slug
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: 103.301+/-128.966 χ²/NDF: 23.5/20
Left Out: 380.624+/-73.057 χ²/NDF:55.4/24
Right Out: 341.723+/-120.314 χ²/NDF: 16.8/26
Left In: -51.474+/-75.629 χ²/NDF:28.2/22
+ sign 313.251+/-63.566 χ²/NDF: 82.4/45
All: 187.491+/-45.111 χ²/NDF: 142.9/95
- sign 59.889+/-64.030 χ²/NDF: 52.6/49

asym_sam7_rms vs Slug



Right In: 363.775+/-0.091 χ^2/NDF: 5203064.7/20

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 354.121+/-0.085 χ^2/NDF: 7924165.5/26

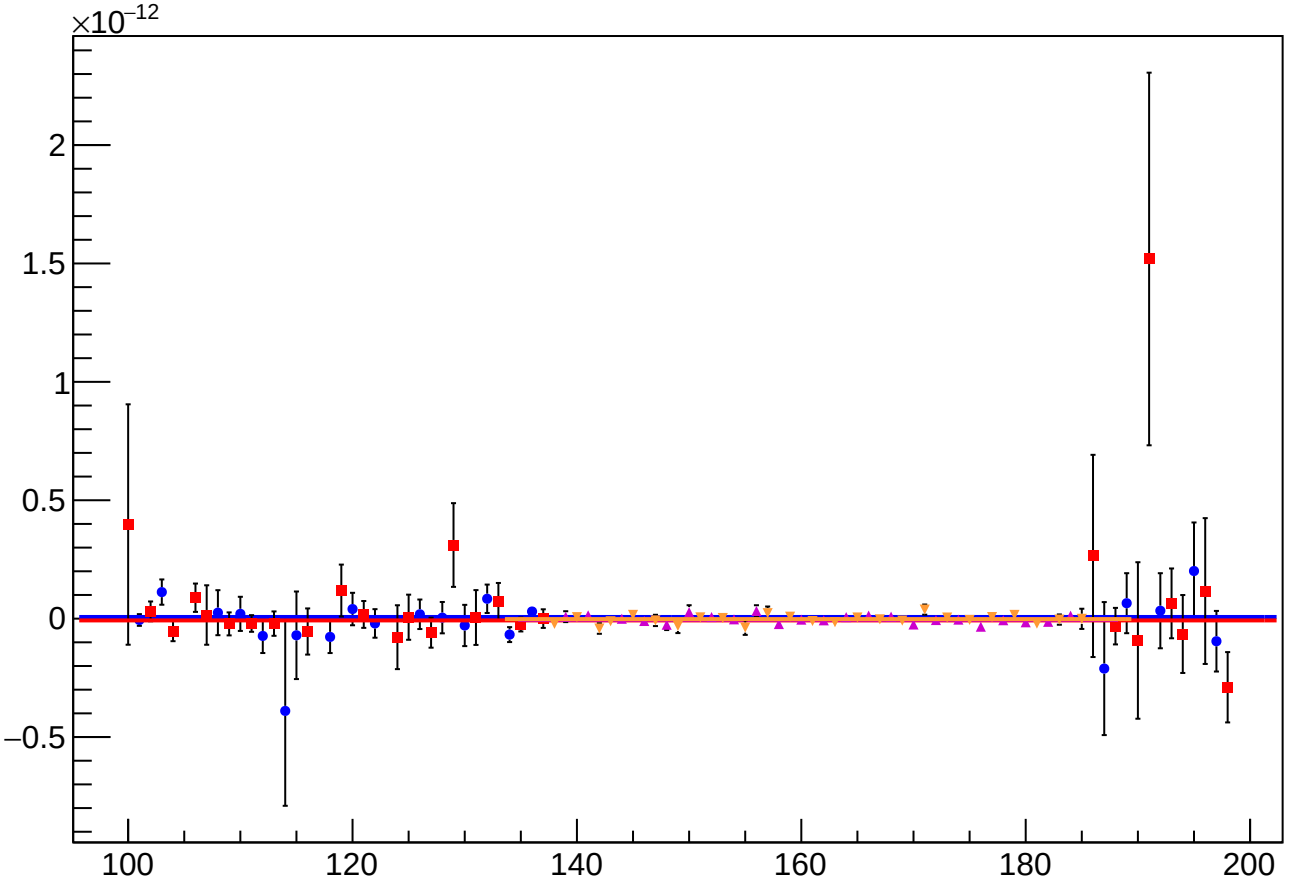
Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 327.149+/-0.045 χ^2/NDF: 6626240.3/45

All: 327.931+/-0.032 χ^2/NDF: 15666957.1/95

- sign 328.724+/-0.045 χ^2/NDF: 9040107.2/49

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

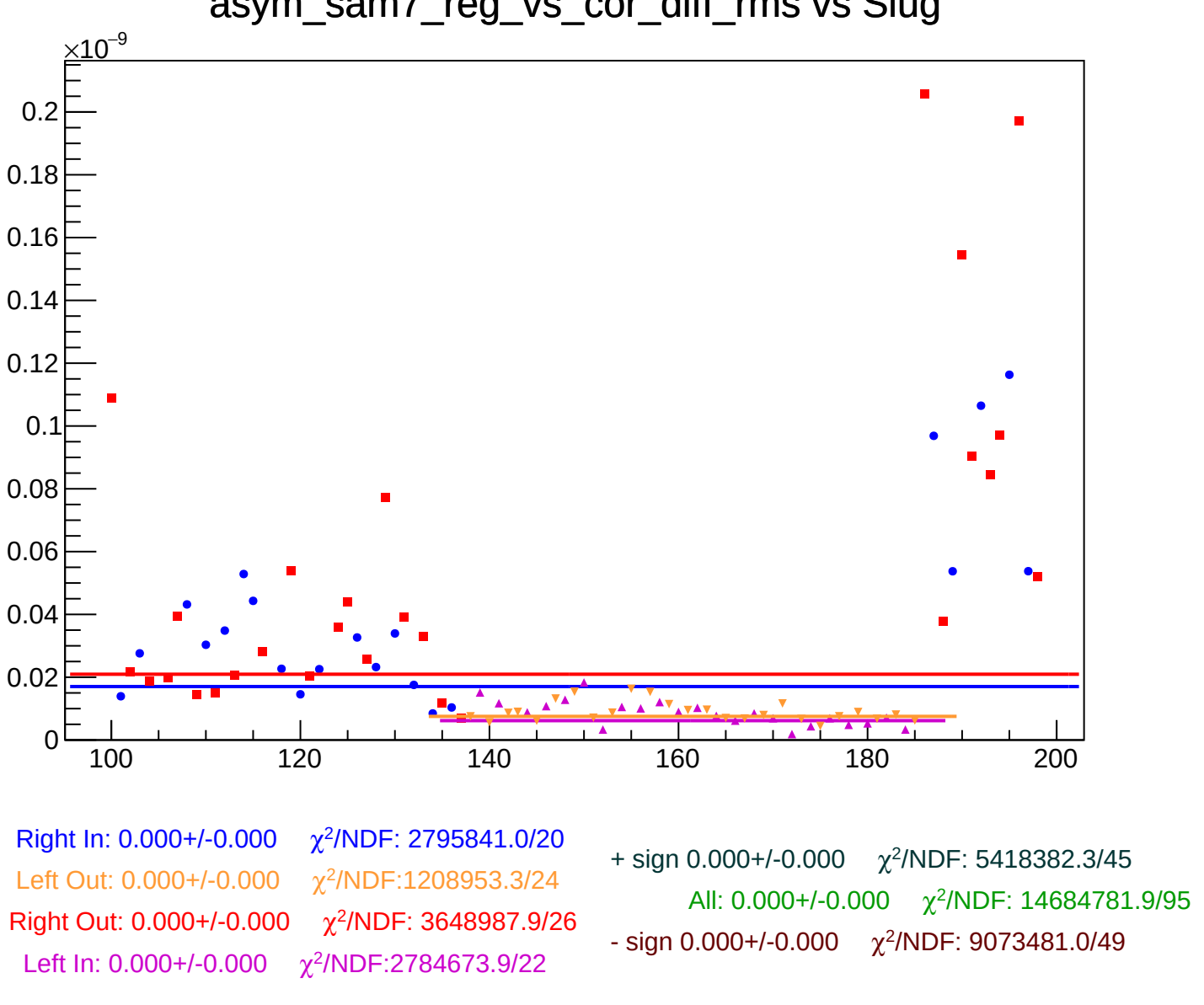
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/26

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

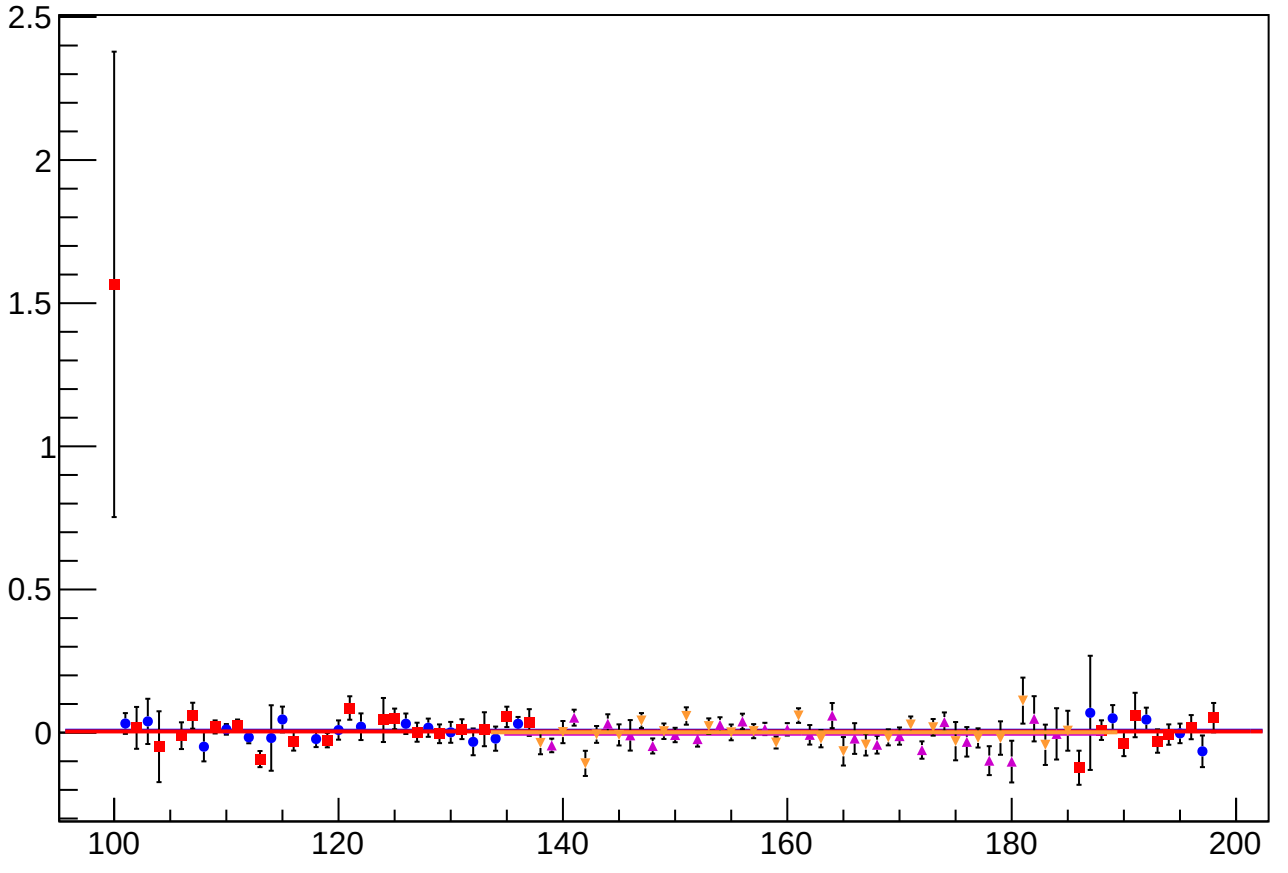
+ sign -0.000+/-0.000 χ^2/NDF: 39.7/45

All: -0.000+/-0.000 χ^2/NDF: 79.4/95

- sign -0.000+/-0.000 χ^2/NDF: 39.0/49


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2795841.0/20
Left Out: 0.000+/-0.000 χ²/NDF:1208953.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 3648987.9/26
Left In: 0.000+/-0.000 χ²/NDF:2784673.9/22
+ sign 0.000+/-0.000 χ²/NDF: 5418382.3/45
All: 0.000+/-0.000 χ²/NDF: 14684781.9/95
- sign 0.000+/-0.000 χ²/NDF: 9073481.0/49

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/26

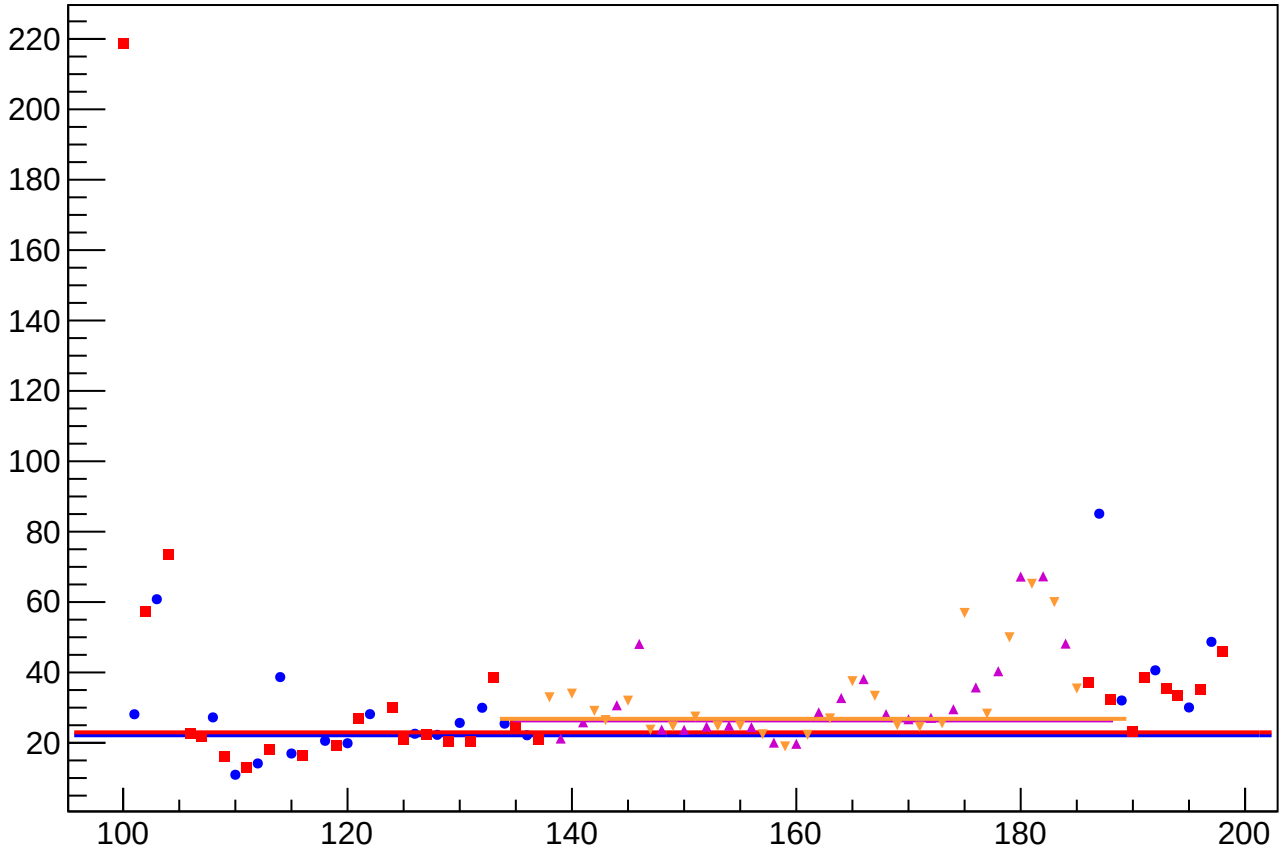
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 42.1/45

All: 0.002+/-0.003 χ^2/NDF: 112.1/95

- sign -0.000+/-0.005 χ^2/NDF: 69.7/49

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 22.153+/-0.005 χ^2/NDF: 3030120.7/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3263183.7/26

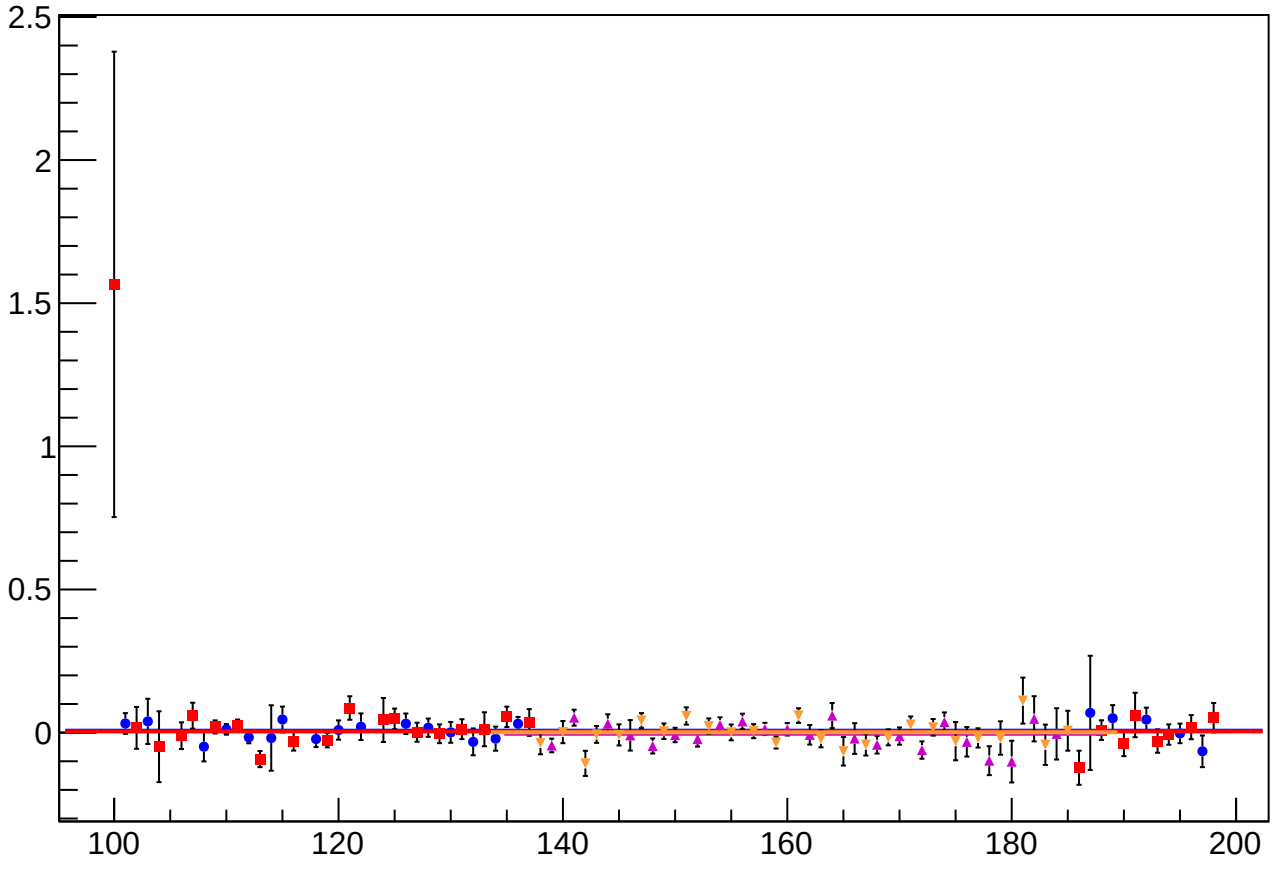
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.855+/-0.003 χ^2/NDF: 5934775.5/45

All: 24.837+/-0.002 χ^2/NDF: 12007100.2/95

- sign 24.819+/-0.003 χ^2/NDF: 6072267.8/49

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/26

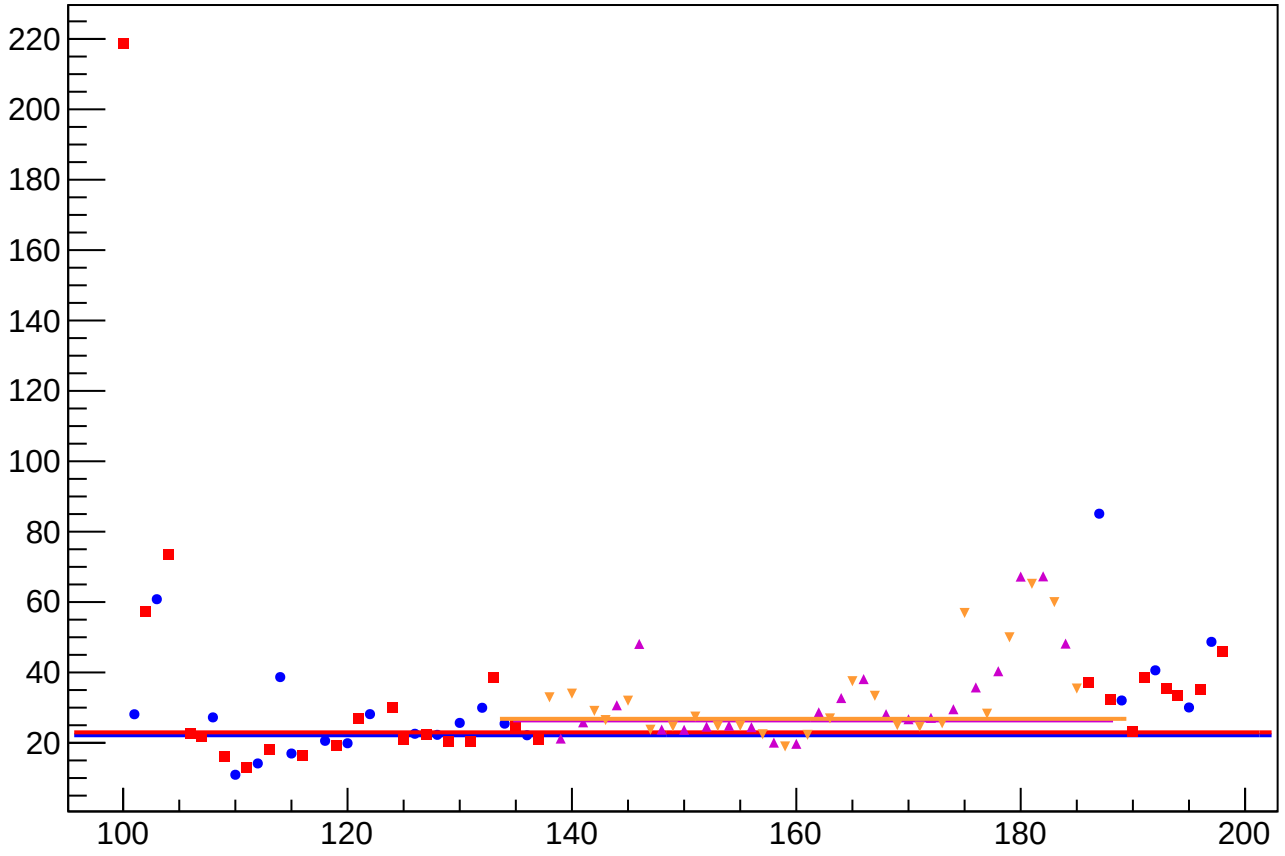
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 42.1/45

All: 0.002+/-0.003 χ^2/NDF: 112.1/95

- sign -0.000+/-0.005 χ^2/NDF: 69.7/49

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.153+/-0.005 χ^2/NDF: 3030120.7/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

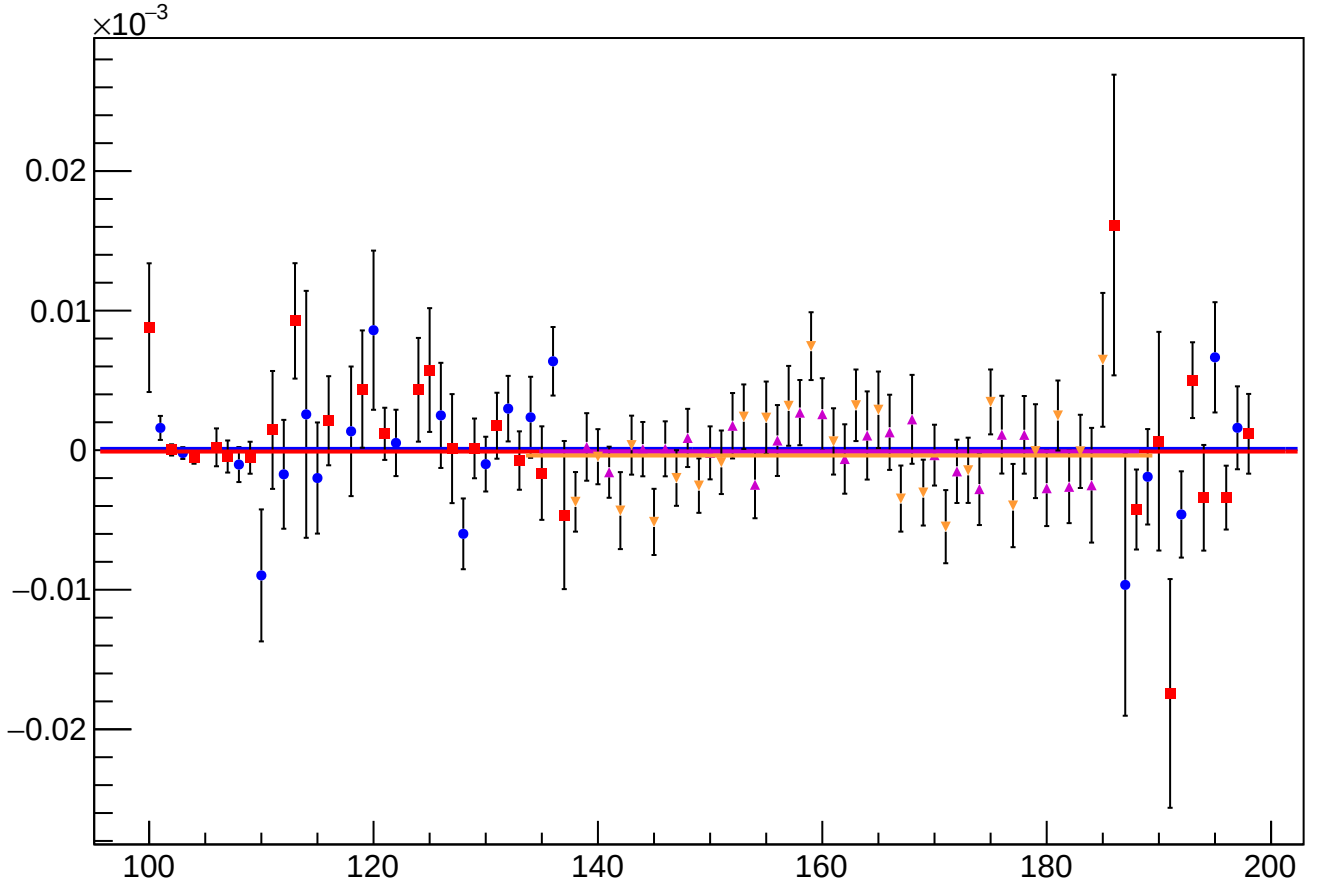
Right Out: 22.980+/-0.005 χ^2/NDF: 3263183.7/26

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.855+/-0.003 χ^2/NDF: 5934775.5/45

All: 24.837+/-0.002 χ^2/NDF: 12007100.2/95

- sign 24.819+/-0.003 χ^2/NDF: 6072267.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 32.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/26

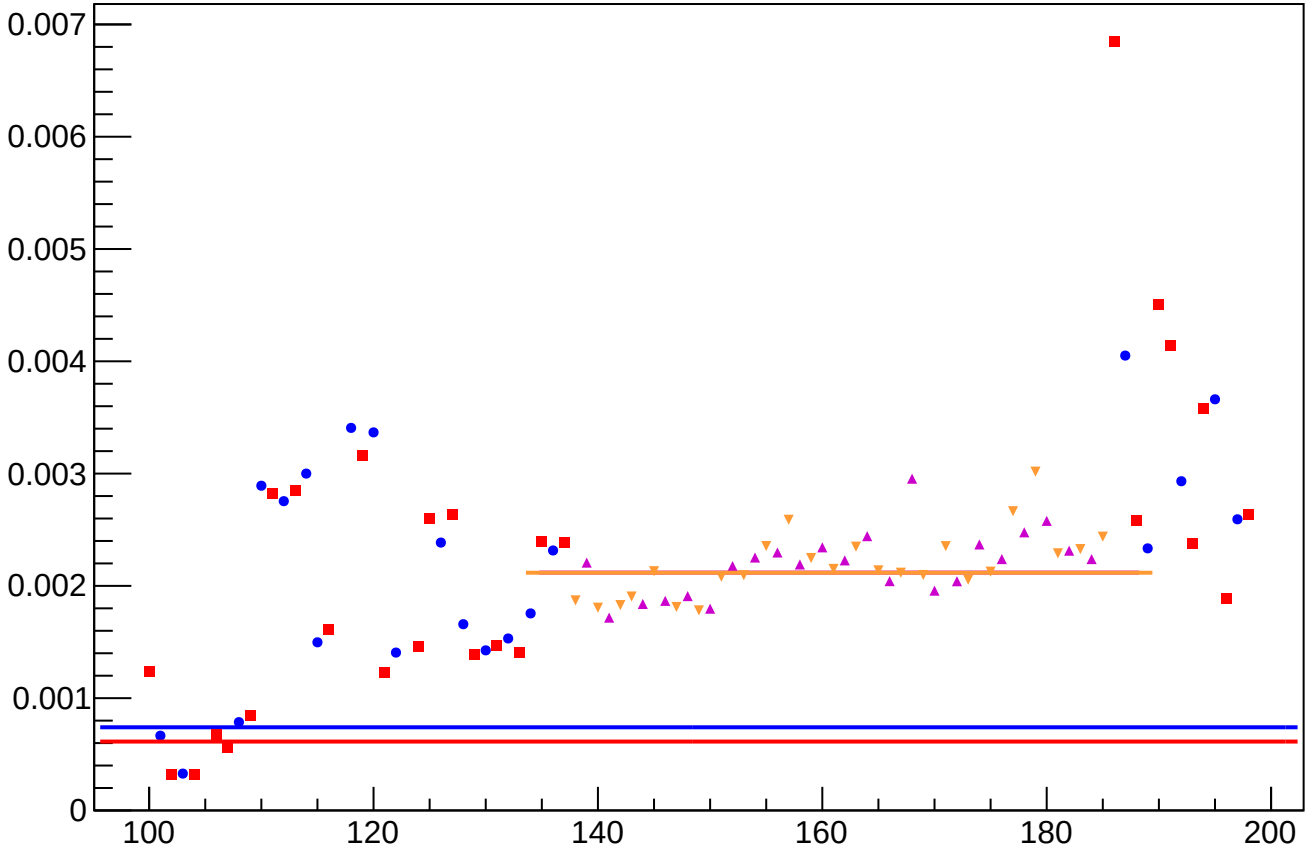
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.6/45

All: -0.000+/-0.000 χ^2/NDF: 119.3/95

- sign -0.000+/-0.000 χ^2/NDF: 42.8/49

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10058448.4/20

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 13092898.8/26

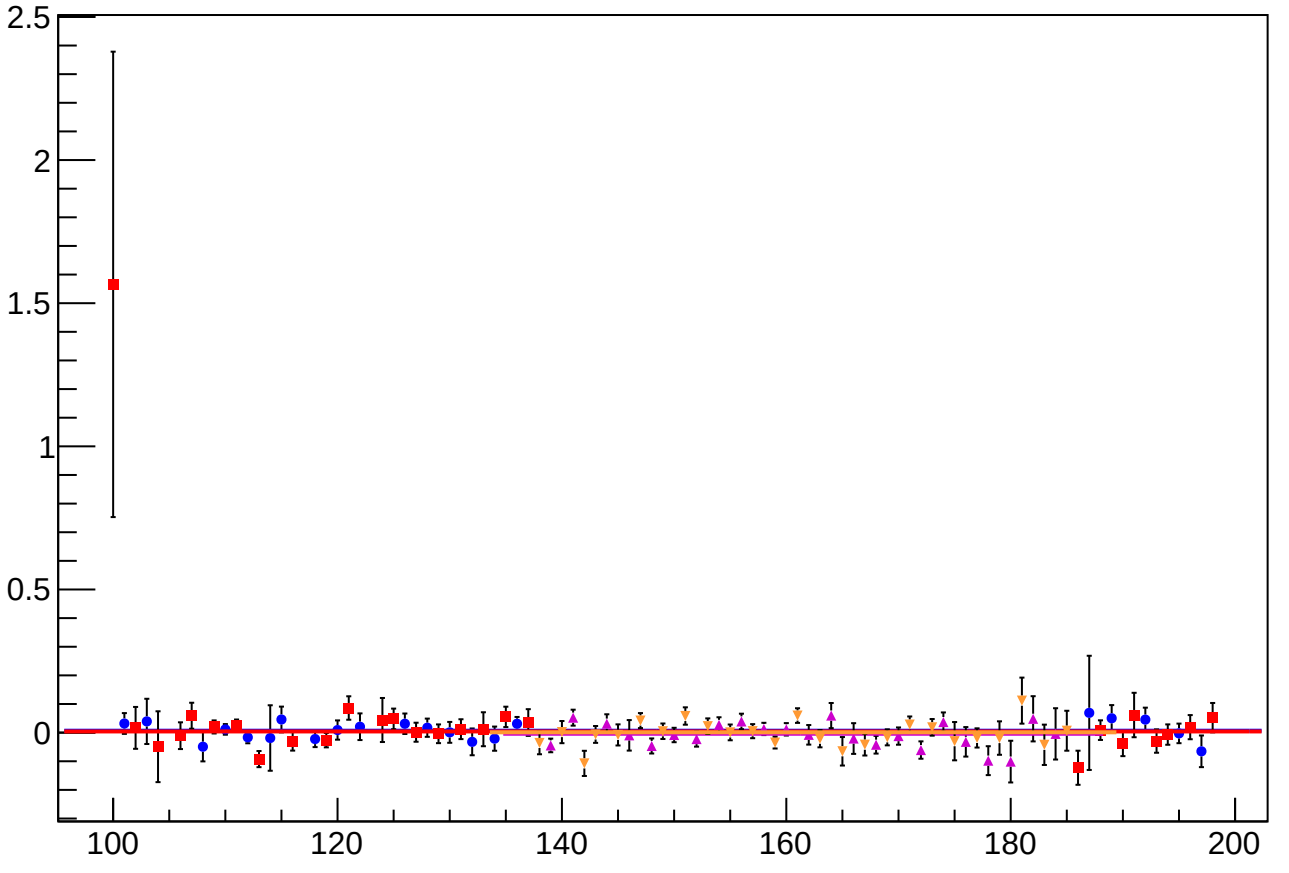
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 21675678.5/45

All: 0.001+/-0.000 χ^2/NDF: 50699836.0/95

- sign 0.001+/-0.000 χ^2/NDF: 28058658.3/49

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/26

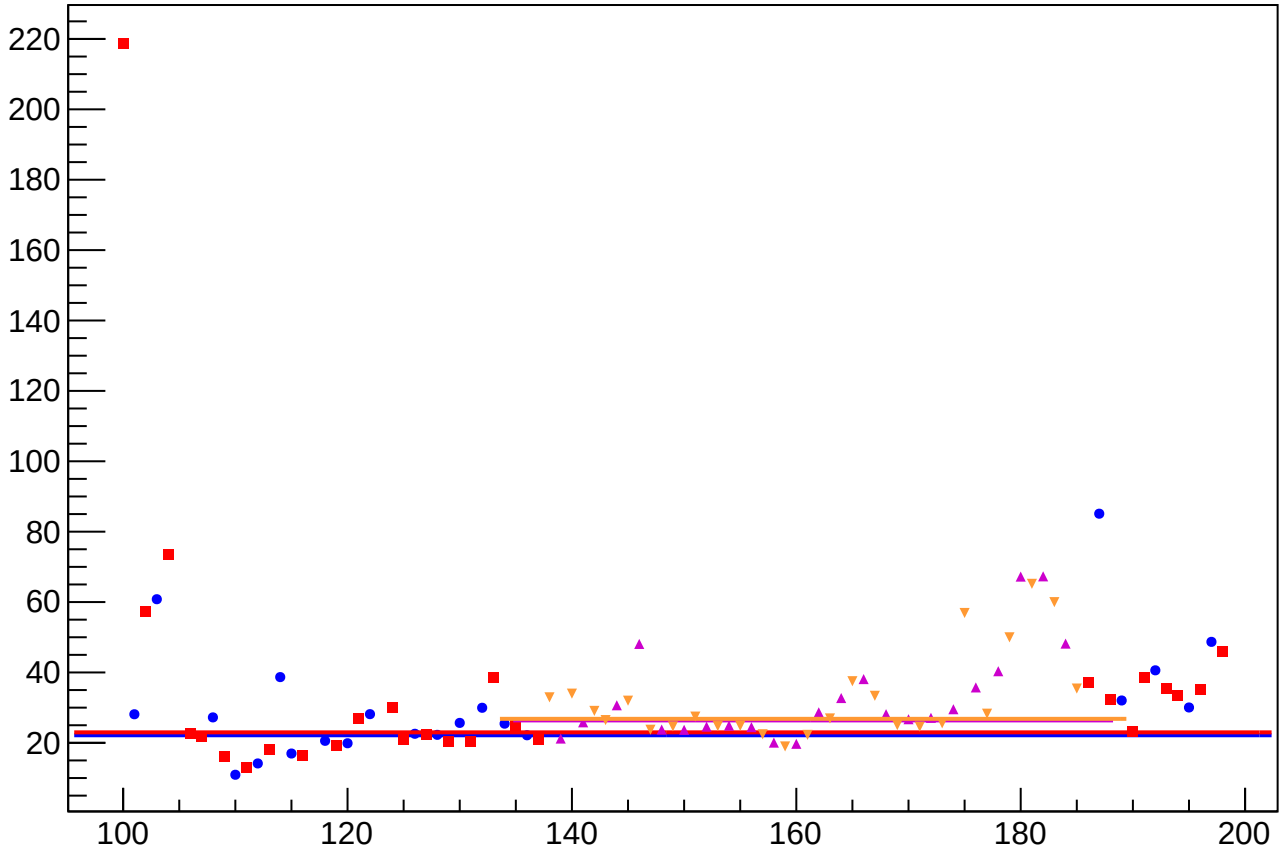
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 42.1/45

All: 0.002+/-0.003 χ^2/NDF: 112.1/95

- sign -0.000+/-0.005 χ^2/NDF: 69.7/49

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.154+/-0.005 χ^2/NDF: 3029887.2/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

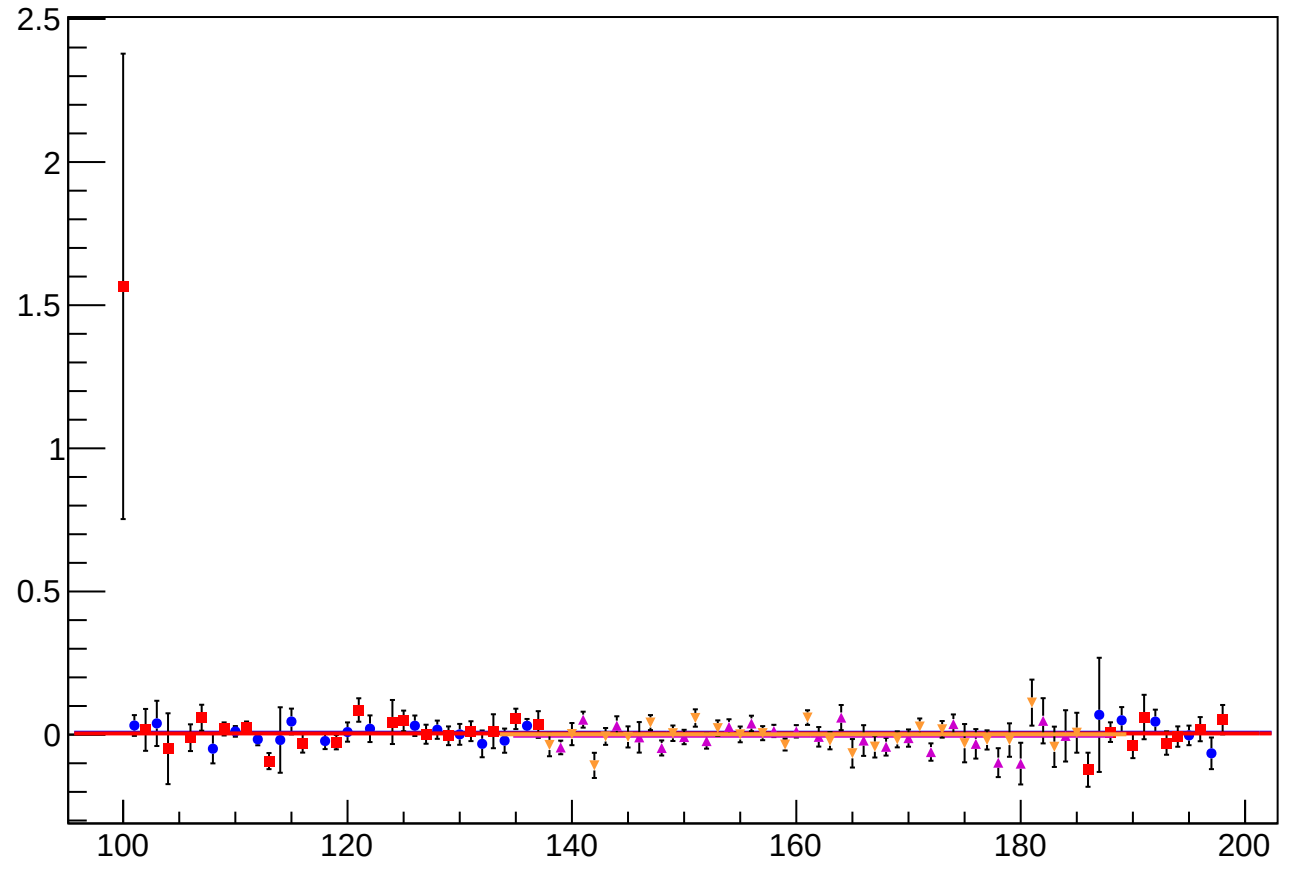
Right Out: 22.980+/-0.005 χ^2/NDF: 3262939.6/26

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.856+/-0.003 χ^2/NDF: 5934494.6/45

All: 24.837+/-0.002 χ^2/NDF: 12006643.6/95

- sign 24.819+/-0.003 χ^2/NDF: 6072091.5/49



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/26

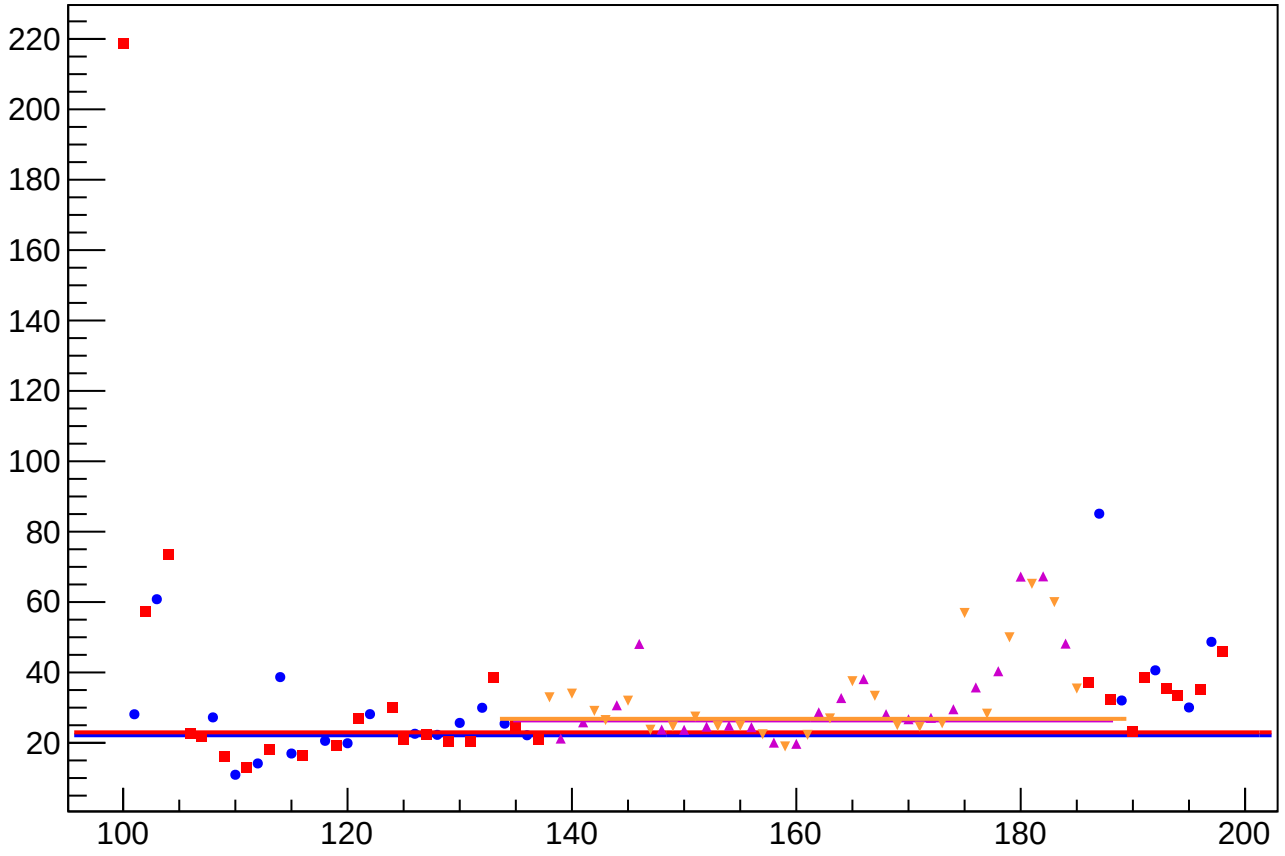
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 42.1/45

All: 0.002+/-0.003 χ^2/NDF: 112.1/95

- sign -0.000+/-0.005 χ^2/NDF: 69.7/49

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.154+/-0.005 χ^2/NDF: 3029887.2/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

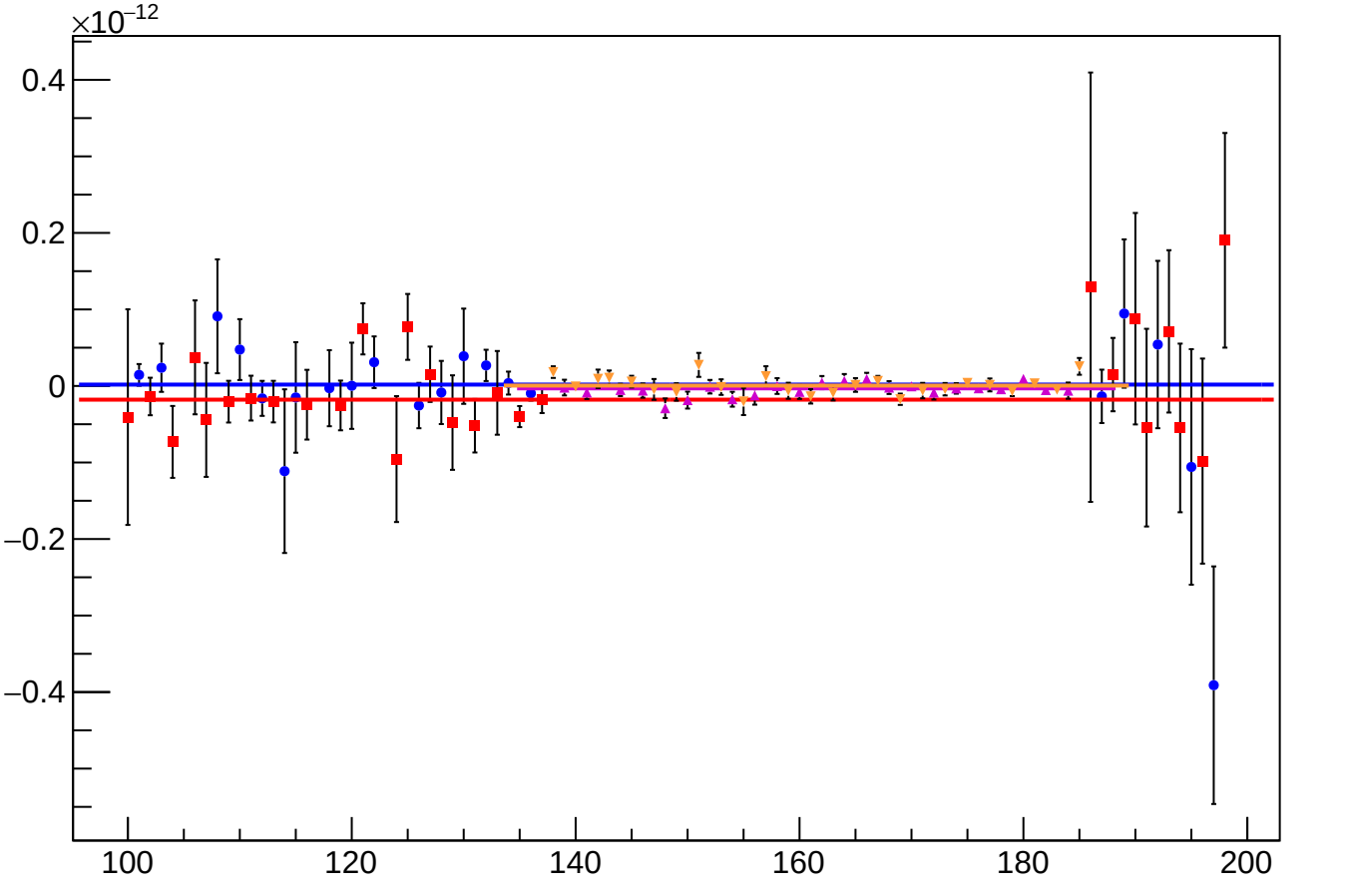
Right Out: 22.980+/-0.005 χ^2/NDF: 3262939.6/26

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.856+/-0.003 χ^2/NDF: 5934494.6/45

All: 24.837+/-0.002 χ^2/NDF: 12006643.6/95

- sign 24.819+/-0.003 χ^2/NDF: 6072091.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/26

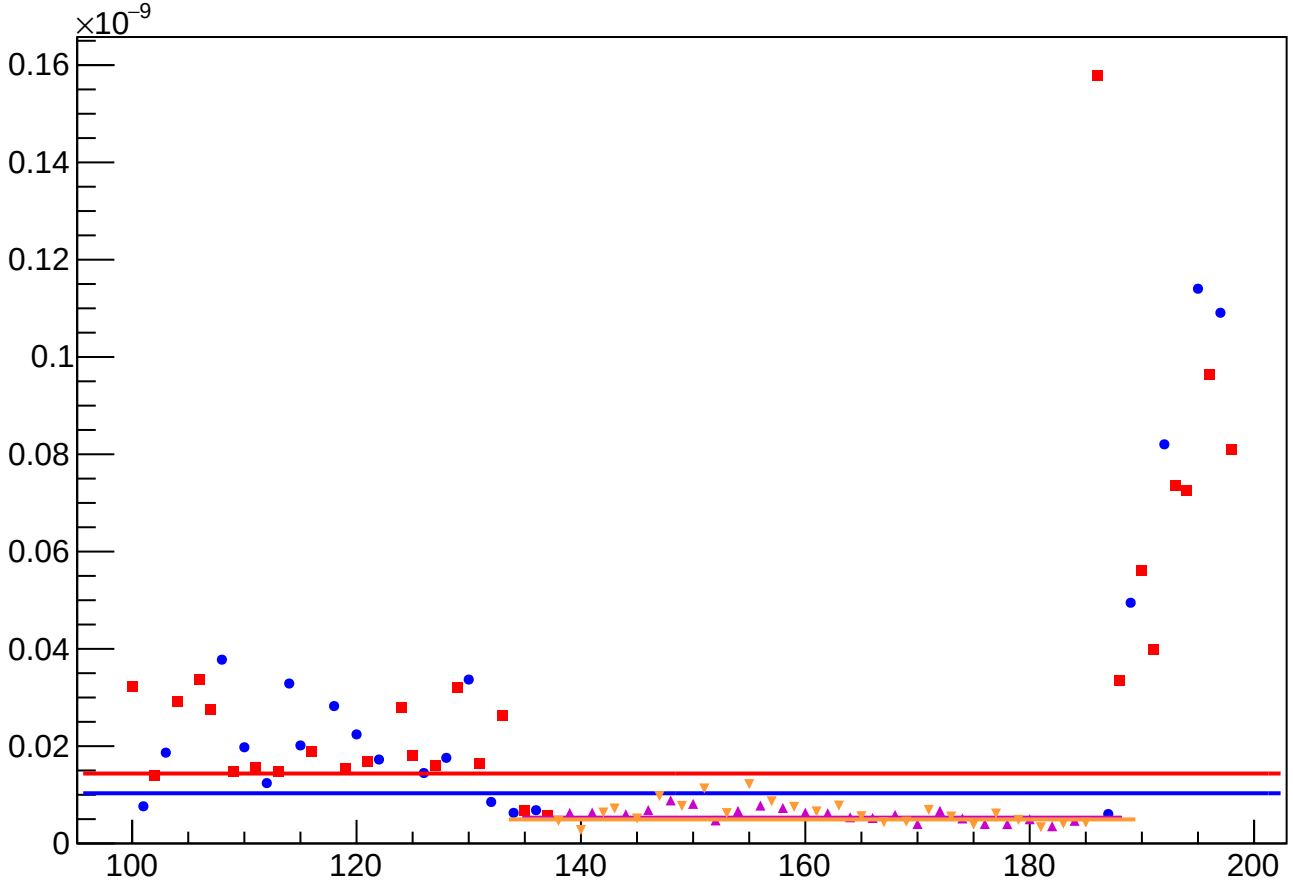
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.7/45

All: -0.000+/-0.000 χ^2/NDF: 104.4/95

- sign -0.000+/-0.000 χ^2/NDF: 48.5/49

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4927598.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5387514.5/26

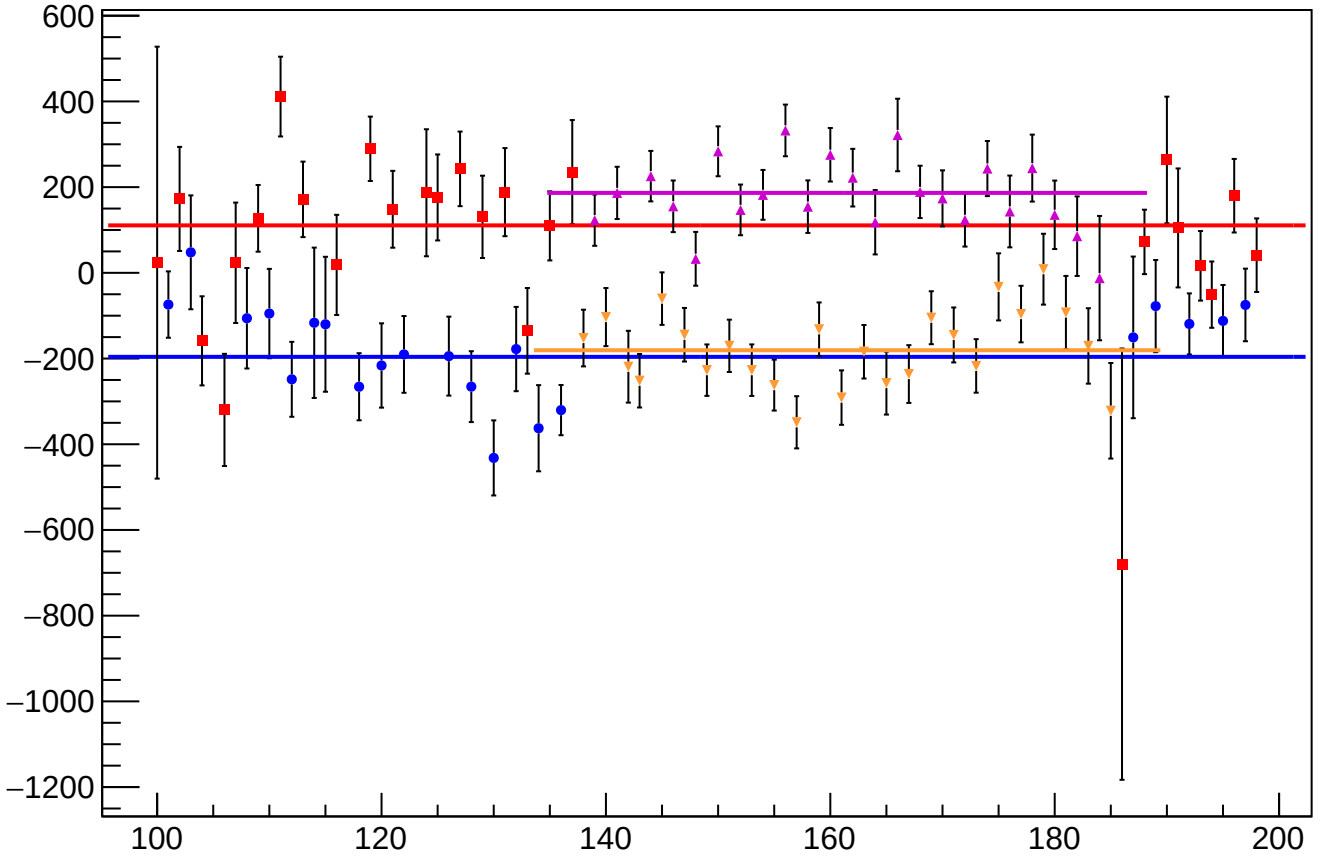
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9376653.1/45

All: 0.000+/-0.000 χ^2/NDF: 19355604.7/95

- sign 0.000+/-0.000 χ^2/NDF: 9887917.7/49

reg_asym_sam8_mean vs Slug



Right In: -196.055+/-20.145 χ^2/NDF: 29.7/20

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 110.752+/-19.145 χ^2/NDF: 57.2/26

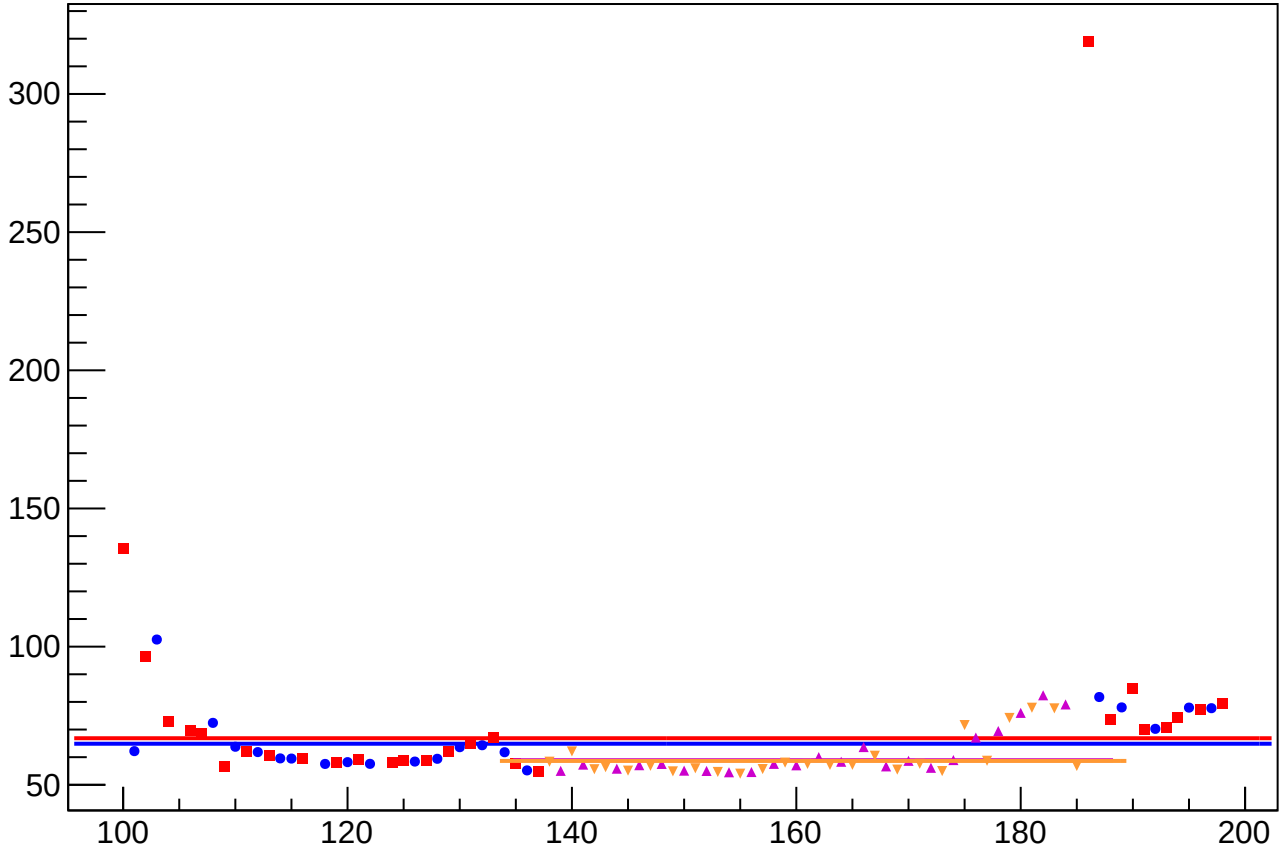
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -185.409+/-11.168 χ^2/NDF: 68.7/45

All: -13.364+/-7.918 χ^2/NDF: 642.3/95

- sign 160.496+/-11.227 χ^2/NDF: 96.4/49

reg_asym_sam8_rms vs Slug



Right In: 64.867+/-0.014 χ^2/NDF: 445580.2/20

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.854+/-0.014 χ^2/NDF: 996384.7/26

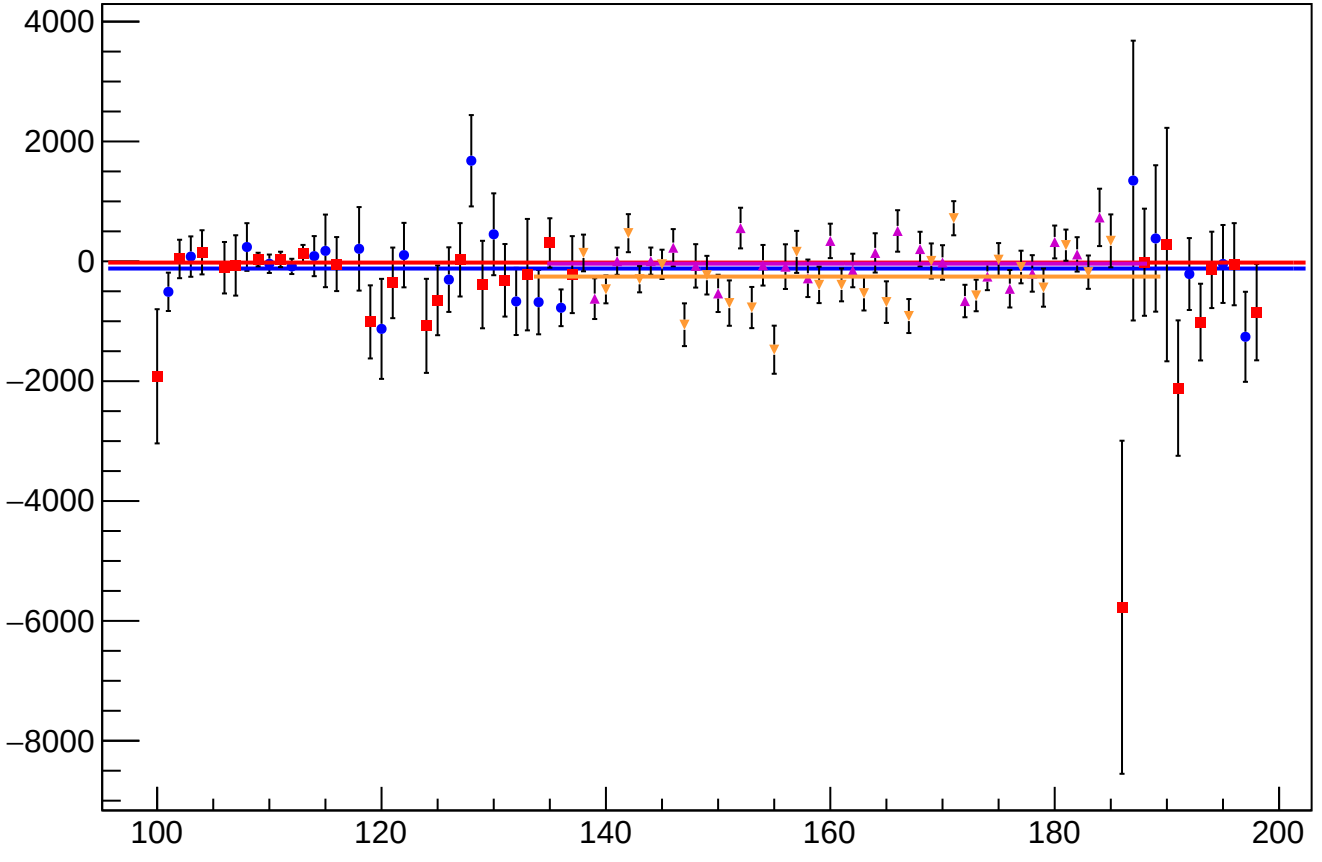
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.556+/-0.008 χ^2/NDF: 971644.8/45

All: 61.095+/-0.006 χ^2/NDF: 2590389.9/95

- sign 61.639+/-0.008 χ^2/NDF: 1609388.8/49

asym_sam8_reg_correction_mean vs Slug



Right In: -120.513+/-74.550 χ^2/NDF: 21.4/20

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -21.111+/-62.541 χ^2/NDF: 23.1/26

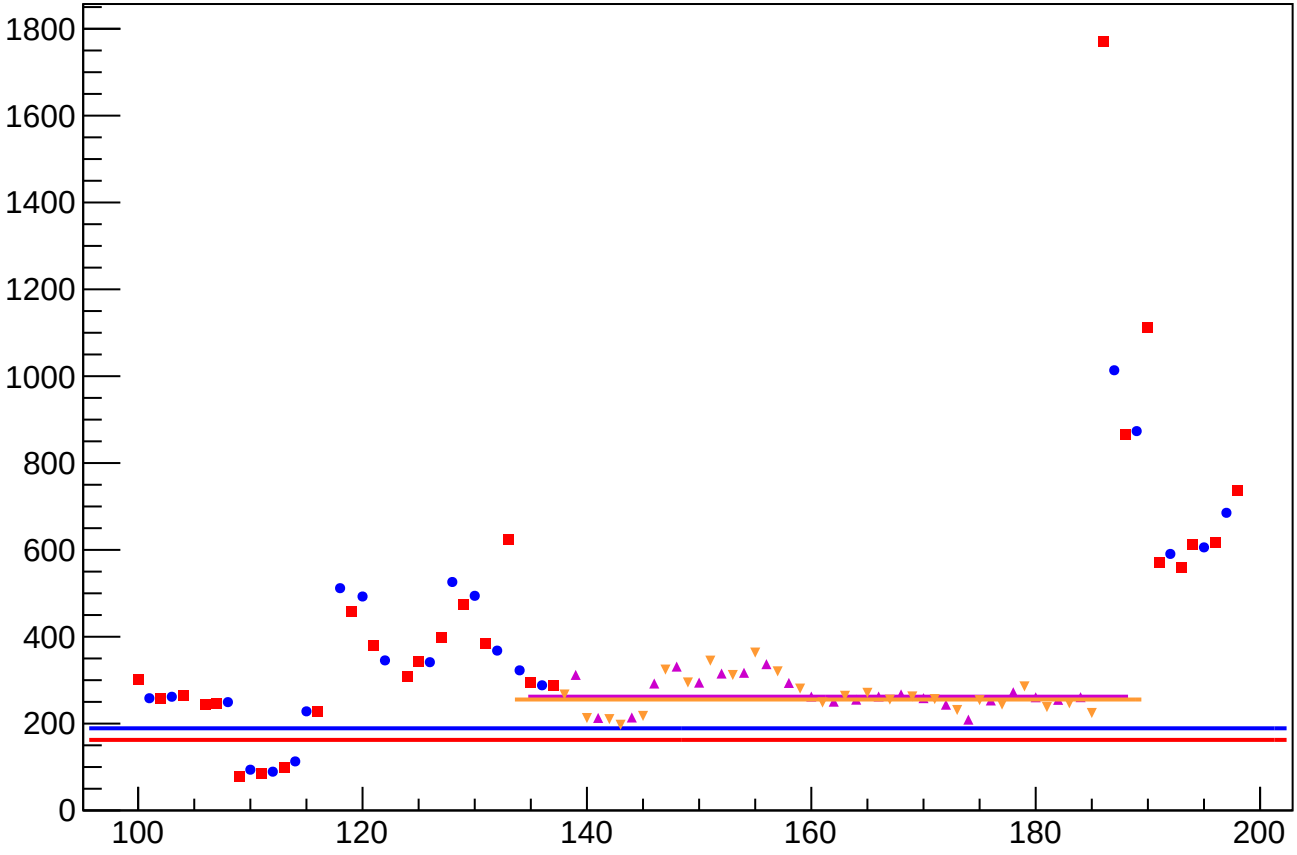
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -203.110+/-46.205 χ^2/NDF: 81.0/45

All: -112.422+/-31.859 χ^2/NDF: 139.8/95

- sign -30.224+/-43.989 χ^2/NDF: 51.4/49

asym_sam8_reg_correction_rms vs Slug



Right In: 189.176+/-0.053 χ^2/NDF: 8159517.2/20

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

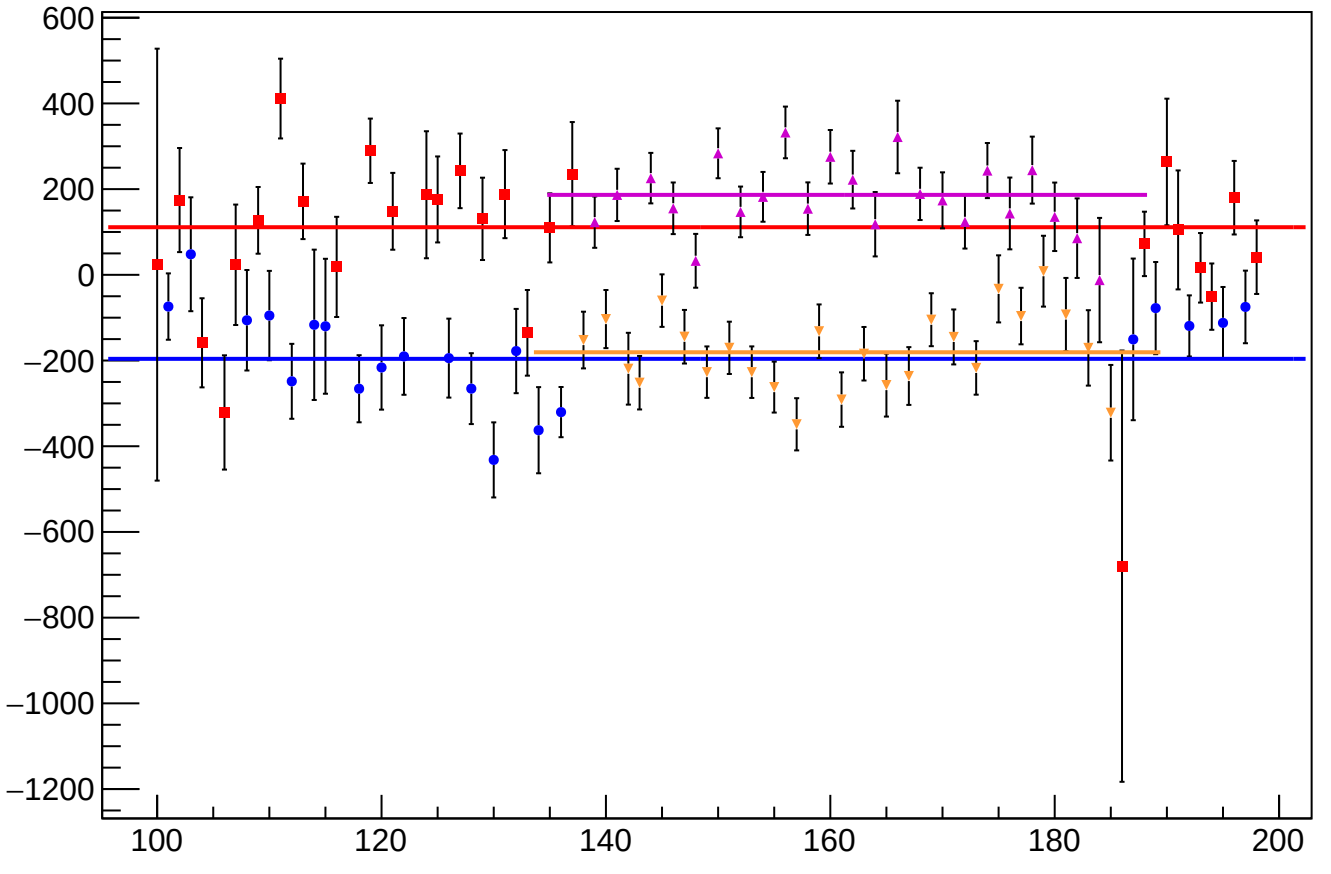
Right Out: 162.468+/-0.044 χ^2/NDF: 11729687.4/26

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 230.004+/-0.033 χ^2/NDF: 9997407.4/45

All: 220.961+/-0.023 χ^2/NDF: 25103652.0/95

- sign 212.764+/-0.031 χ^2/NDF: 14960188.9/49



Right In: -196.054+/-20.145 χ^2/NDF: 29.7/20

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 111.108+/-19.152 χ^2/NDF: 56.8/26

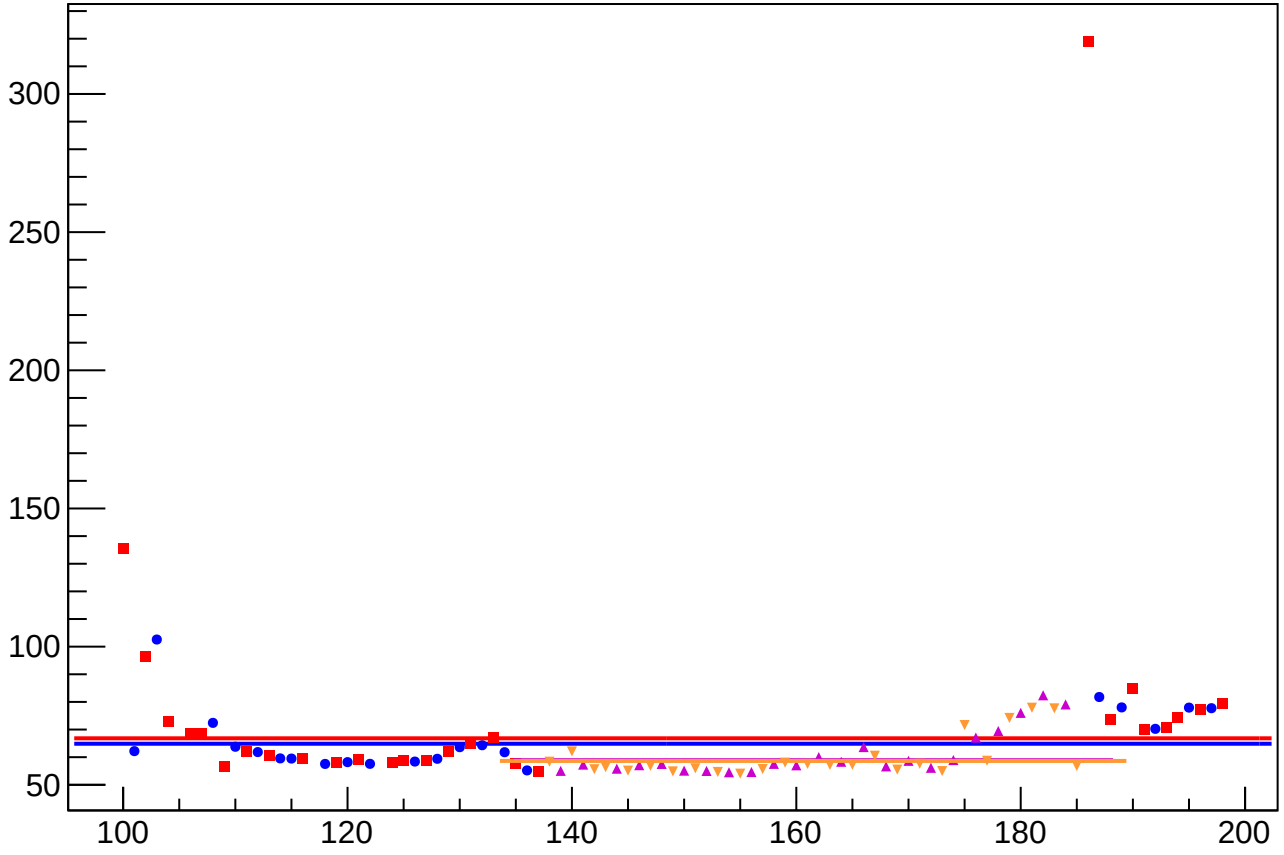
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -185.405+/-11.168 χ^2/NDF: 68.7/45

All: -13.317+/-7.918 χ^2/NDF: 642.2/95

- sign 160.632+/-11.228 χ^2/NDF: 96.0/49

cor_asym_sam8_rms vs Slug



Right In: 64.867+/-0.014 χ^2/NDF: 445582.6/20

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.829+/-0.014 χ^2/NDF: 995967.0/26

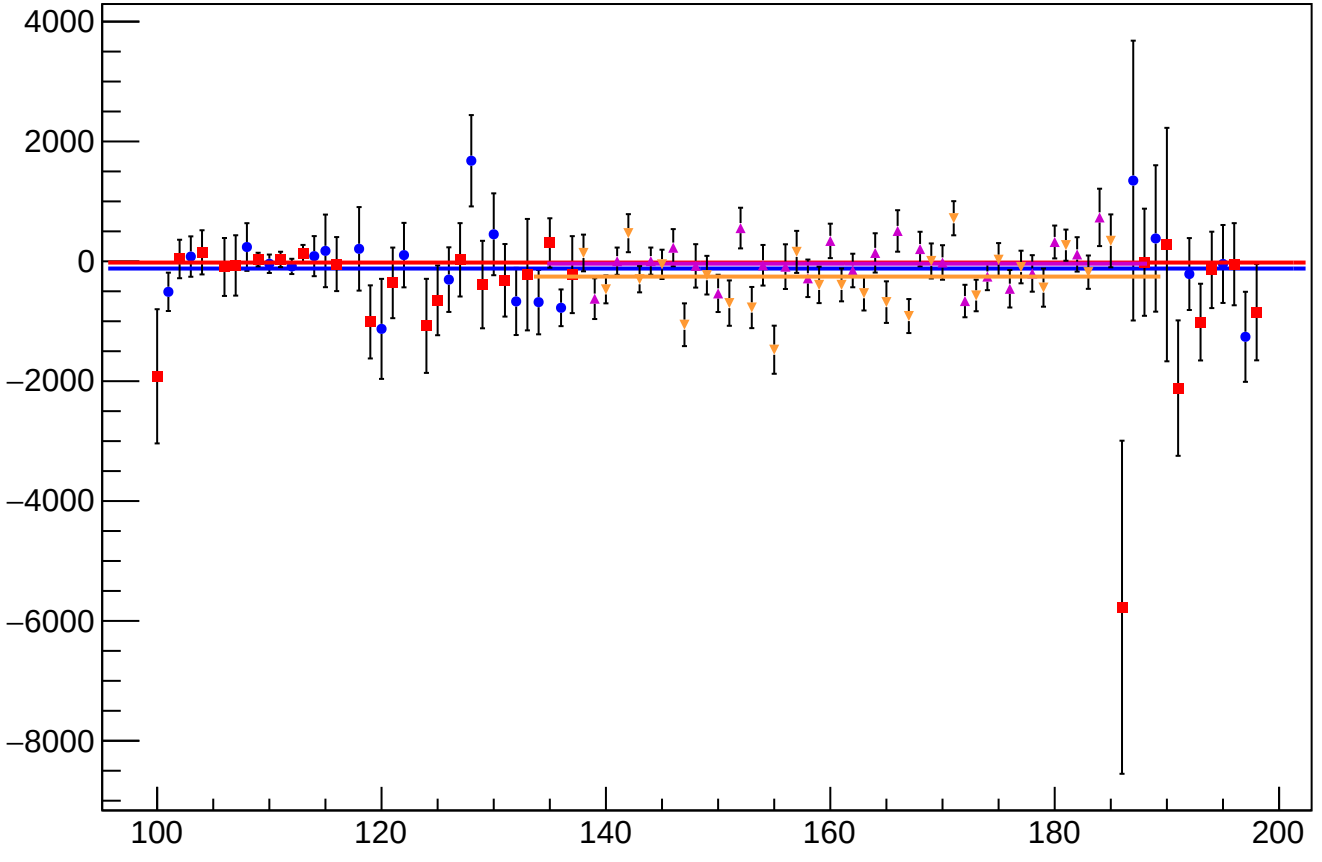
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

\+ sign 60.556+/-0.008 χ^2/NDF: 971647.4/45

All: 61.090+/-0.006 χ^2/NDF: 2588208.9/95

\- sign 61.629+/-0.008 χ^2/NDF: 1607383.9/49

asym_sam8_cor_correction_mean vs Slug



Right In: -120.495+/-74.550 χ^2/NDF: 21.4/20

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -20.538+/-62.683 χ^2/NDF: 23.0/26

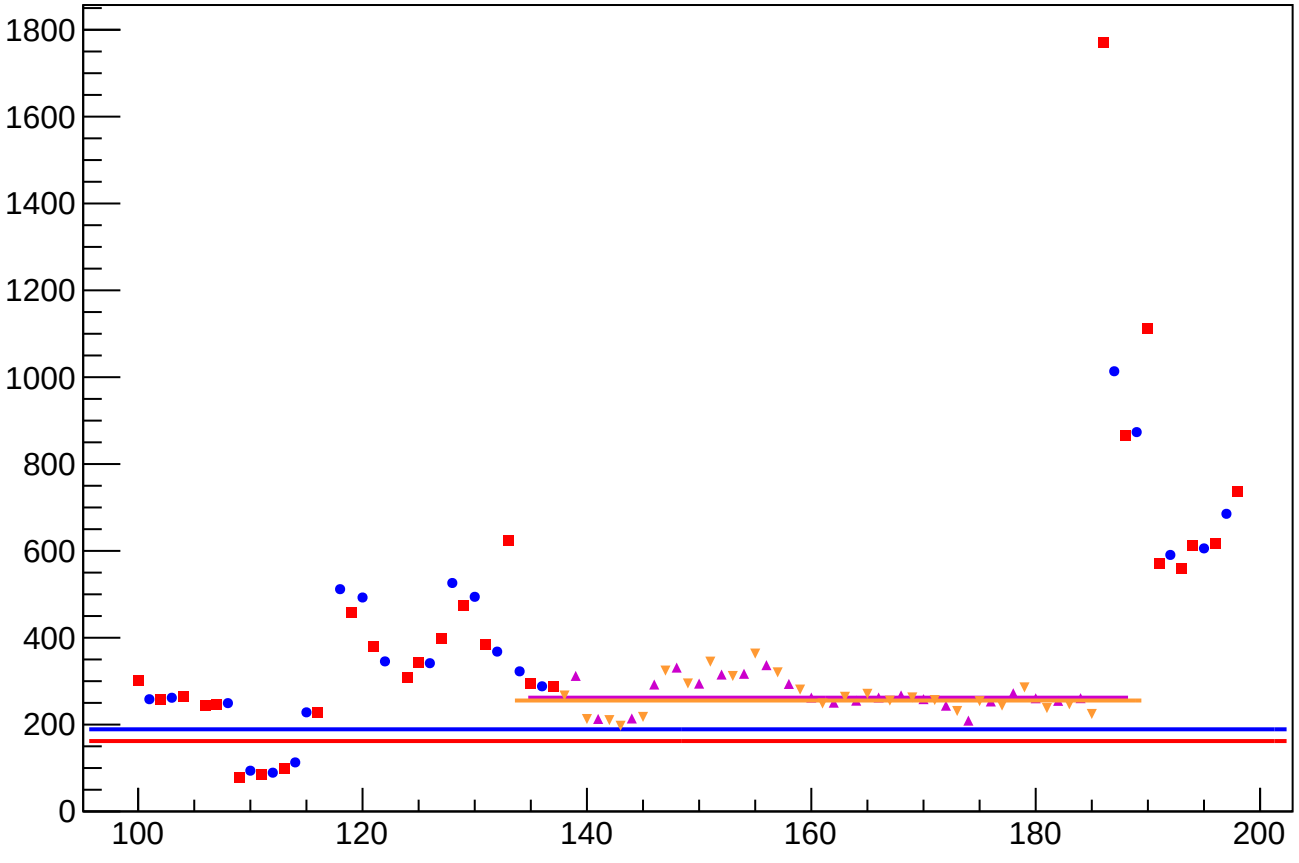
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -203.102+/-46.205 χ^2/NDF: 81.0/45

All: -112.376+/-31.878 χ^2/NDF: 139.8/95

- sign -29.961+/-44.038 χ^2/NDF: 51.4/49

asym_sam8_cor_correction_rms vs Slug



Right In: 189.176+/-0.053 χ^2/NDF: 8159566.1/20

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 162.105+/-0.044 χ^2/NDF: 11715269.2/26

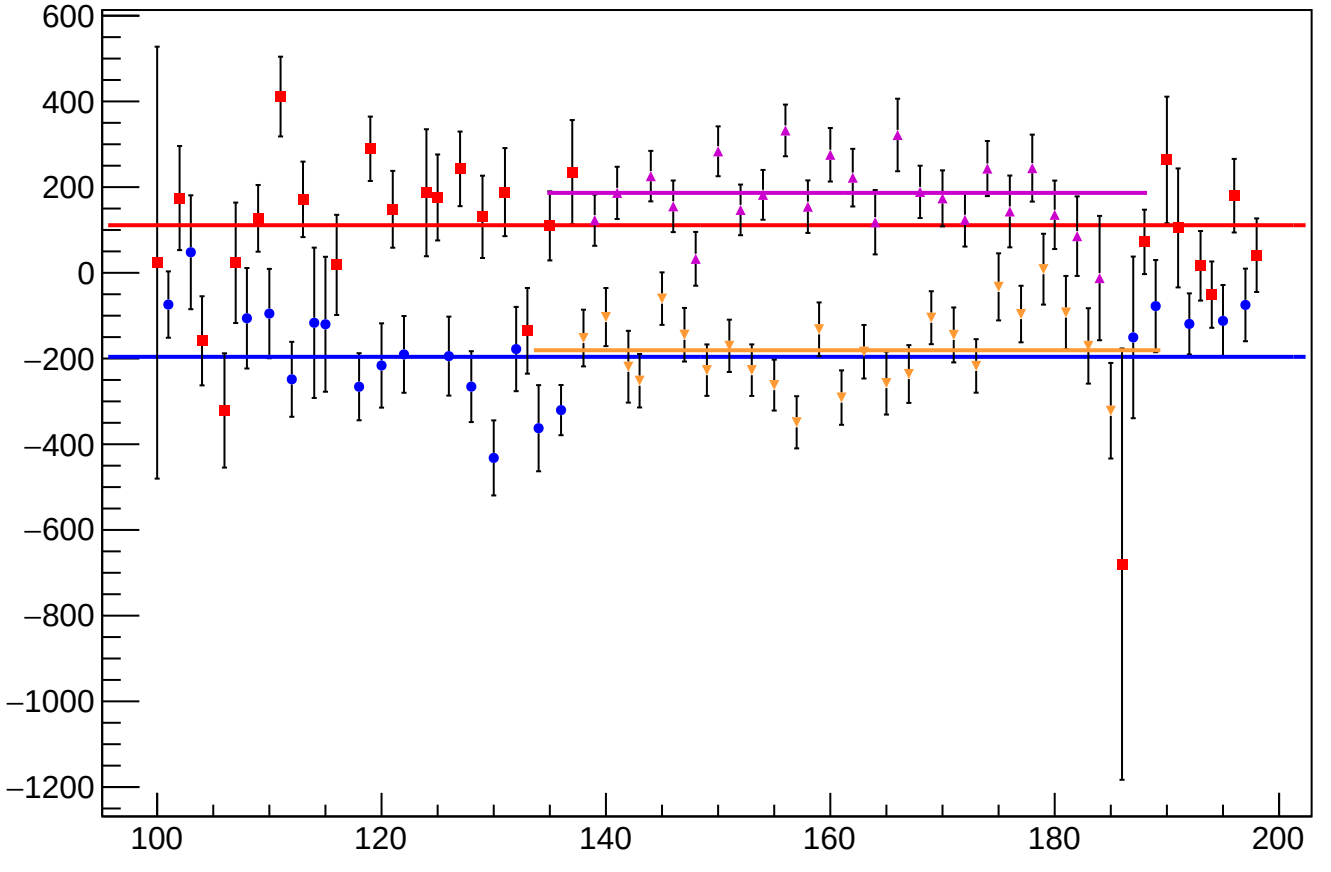
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 230.004+/-0.033 χ^2/NDF: 9997433.0/45

All: 220.936+/-0.023 χ^2/NDF: 25103024.8/95

- sign 212.698+/-0.031 χ^2/NDF: 14958566.4/49

eigen_cor_asym_sam8_mean vs Slug



Right In: -196.054+/-20.145 χ^2/NDF: 29.7/20

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 111.108+/-19.152 χ^2/NDF: 56.8/26

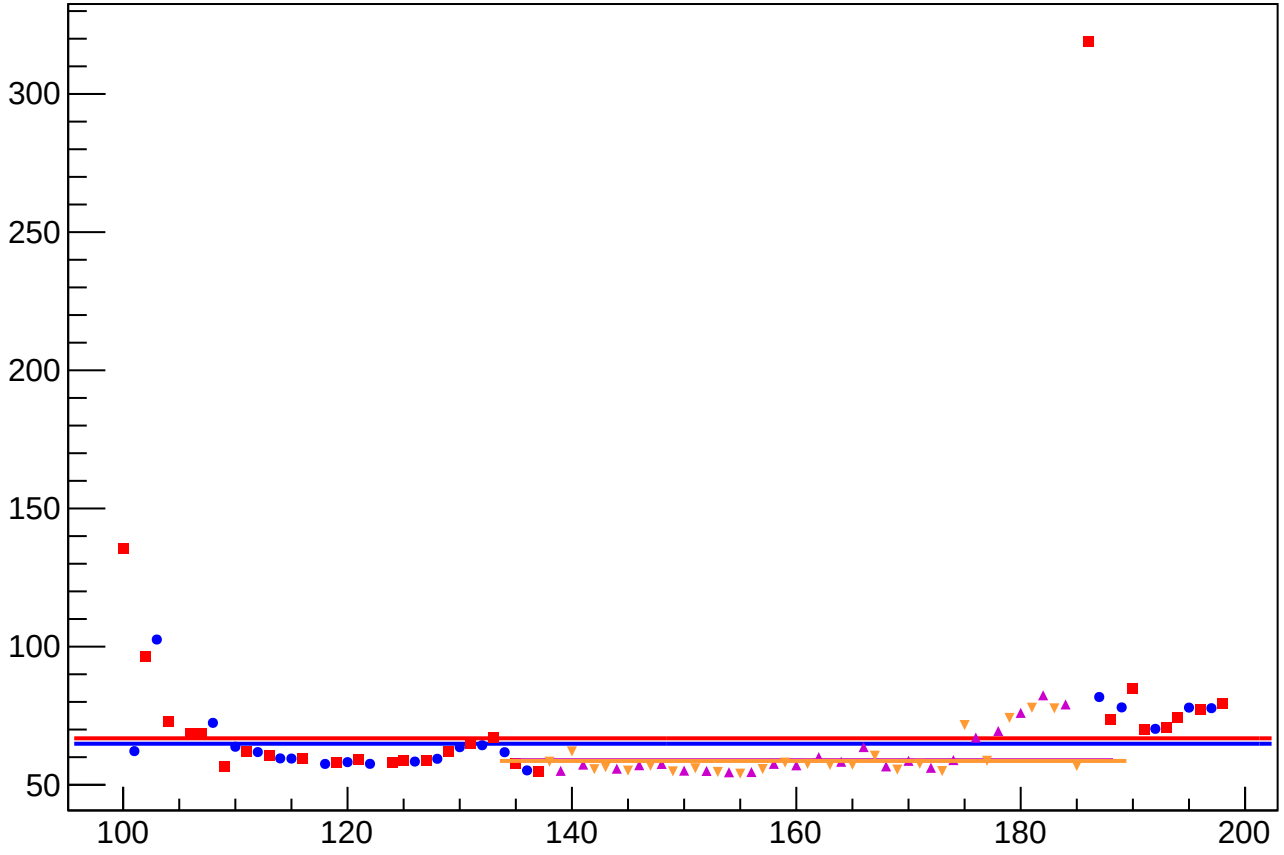
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -185.405+/-11.168 χ^2/NDF: 68.7/45

All: -13.317+/-7.918 χ^2/NDF: 642.2/95

- sign 160.632+/-11.228 χ^2/NDF: 96.0/49

eigen_cor_asym_sam8_rms vs Slug



Right In: 64.867+/-0.014 χ^2/NDF: 445582.6/20

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.829+/-0.014 χ^2/NDF: 995967.0/26

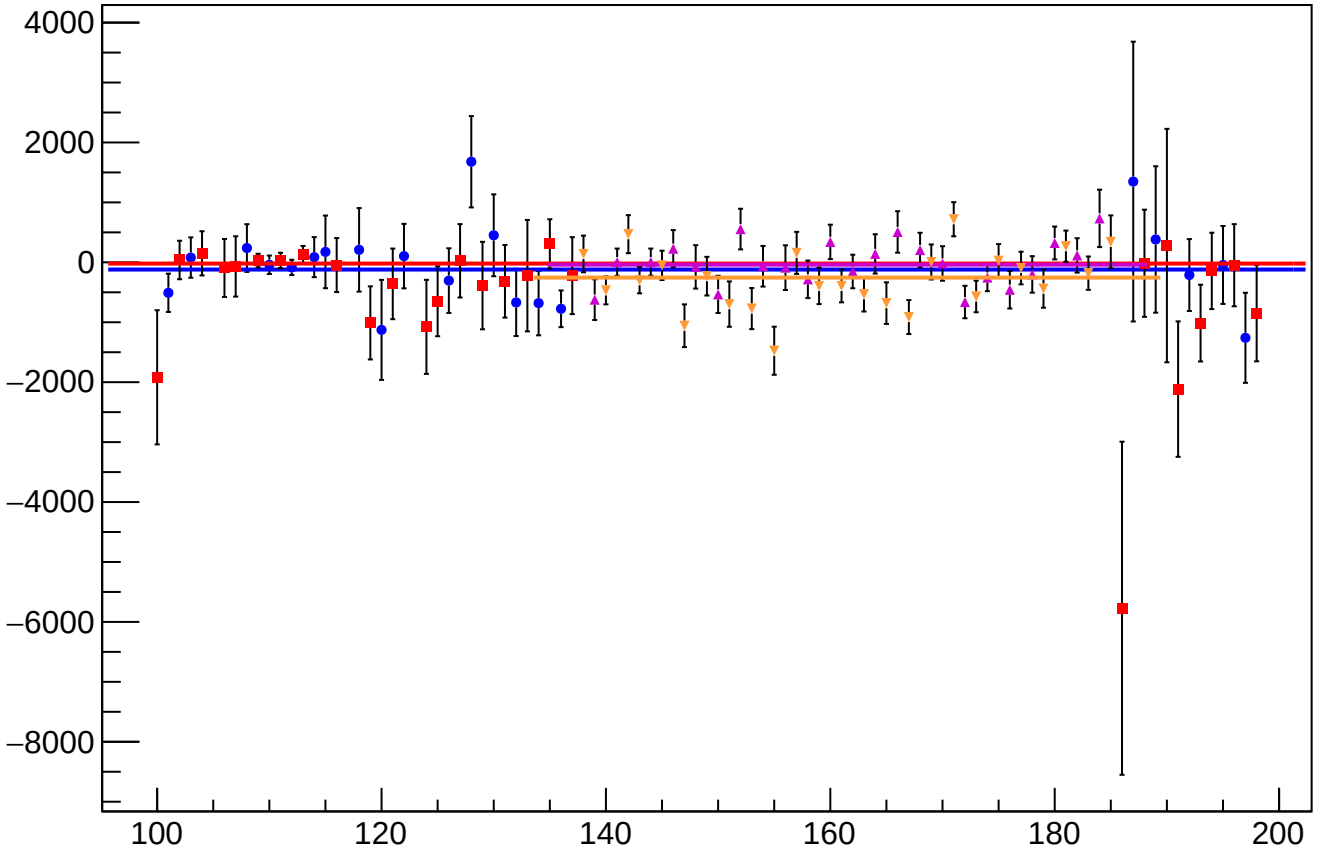
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.556+/-0.008 χ^2/NDF: 971647.4/45

All: 61.090+/-0.006 χ^2/NDF: 2588208.9/95

- sign 61.629+/-0.008 χ^2/NDF: 1607383.9/49

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -120.495+/-74.550 χ^2/NDF: 21.4/20

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -20.538+/-62.683 χ^2/NDF: 23.0/26

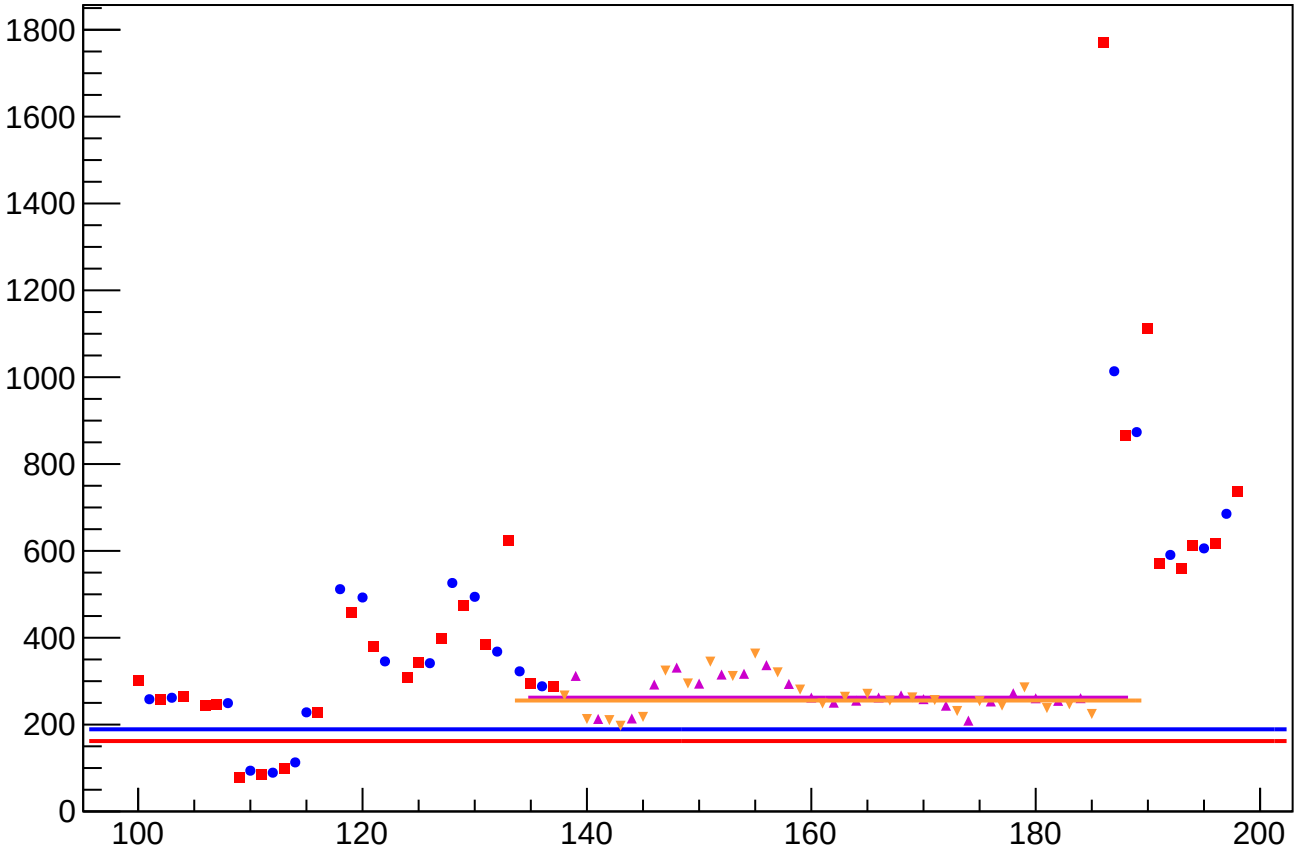
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -203.102+/-46.205 χ^2/NDF: 81.0/45

All: -112.376+/-31.878 χ^2/NDF: 139.8/95

- sign -29.961+/-44.038 χ^2/NDF: 51.4/49

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 189.176+/-0.053 χ^2/NDF: 8159566.1/20

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 162.105+/-0.044 χ^2/NDF: 11715269.2/26

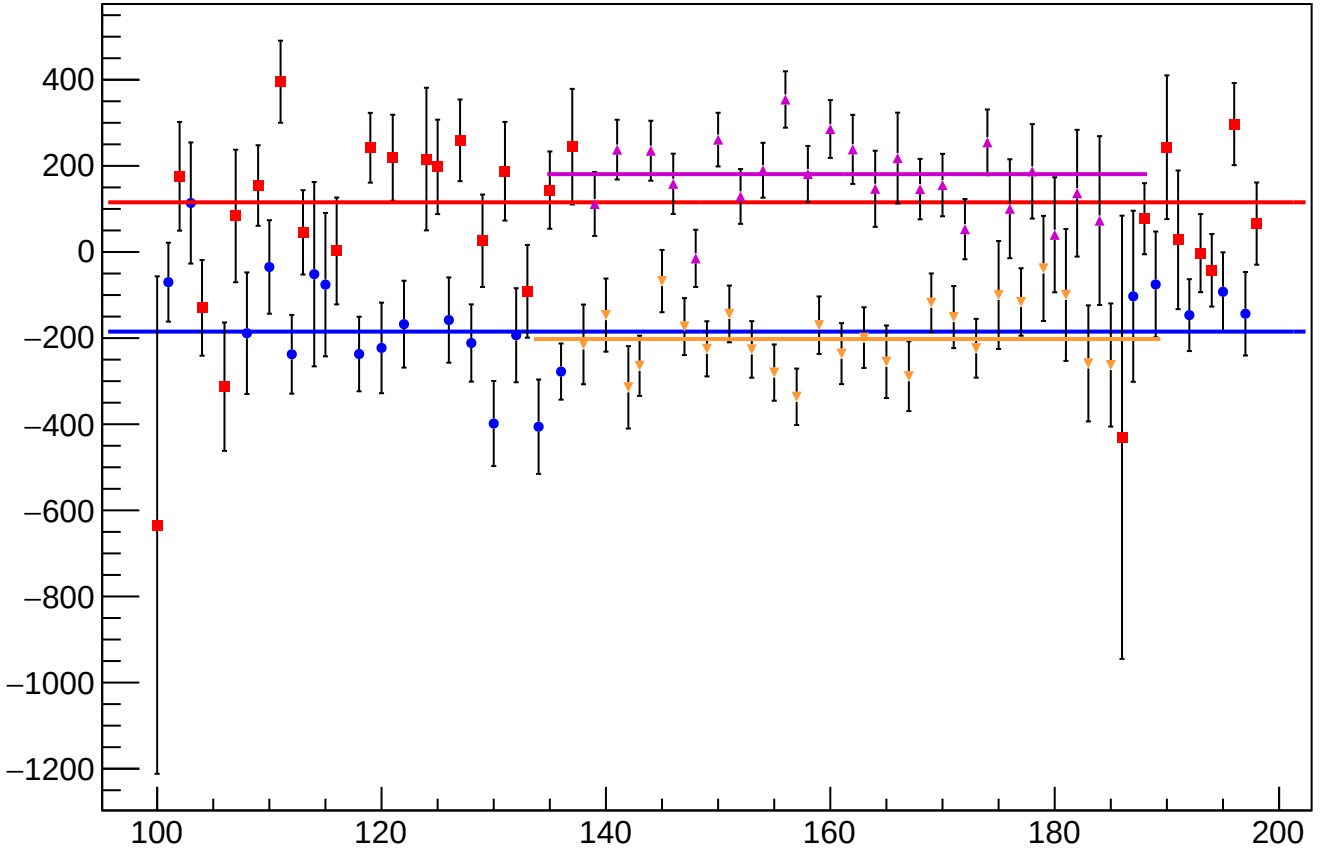
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 230.004+/-0.033 χ^2/NDF: 9997433.0/45

All: 220.936+/-0.023 χ^2/NDF: 25103024.8/95

- sign 212.698+/-0.031 χ^2/NDF: 14958566.4/49

dit_asym_sam8_mean vs Slug



Right In: -184.870+/-22.384 χ^2/NDF: 23.0/20

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 115.415+/-21.098 χ^2/NDF: 49.1/26

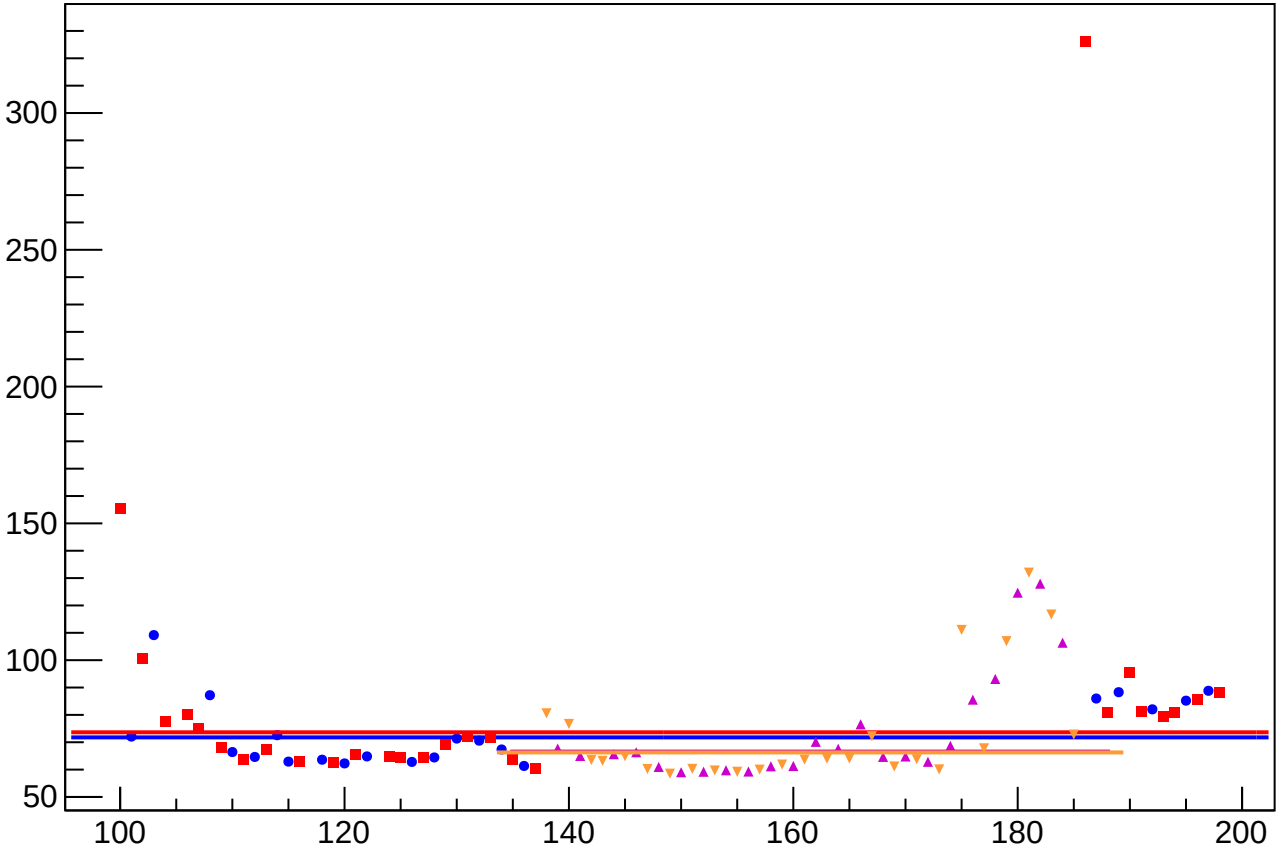
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -196.491+/-12.764 χ^2/NDF: 44.9/45

All: -19.721+/-9.023 χ^2/NDF: 513.6/95

- sign 156.879+/-12.758 χ^2/NDF: 85.3/49

dit_asym_sam8_rms vs Slug



Right In: 71.776+/-0.016 χ^2/NDF: 497215.1/20

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 73.637+/-0.015 χ^2/NDF: 961994.0/26

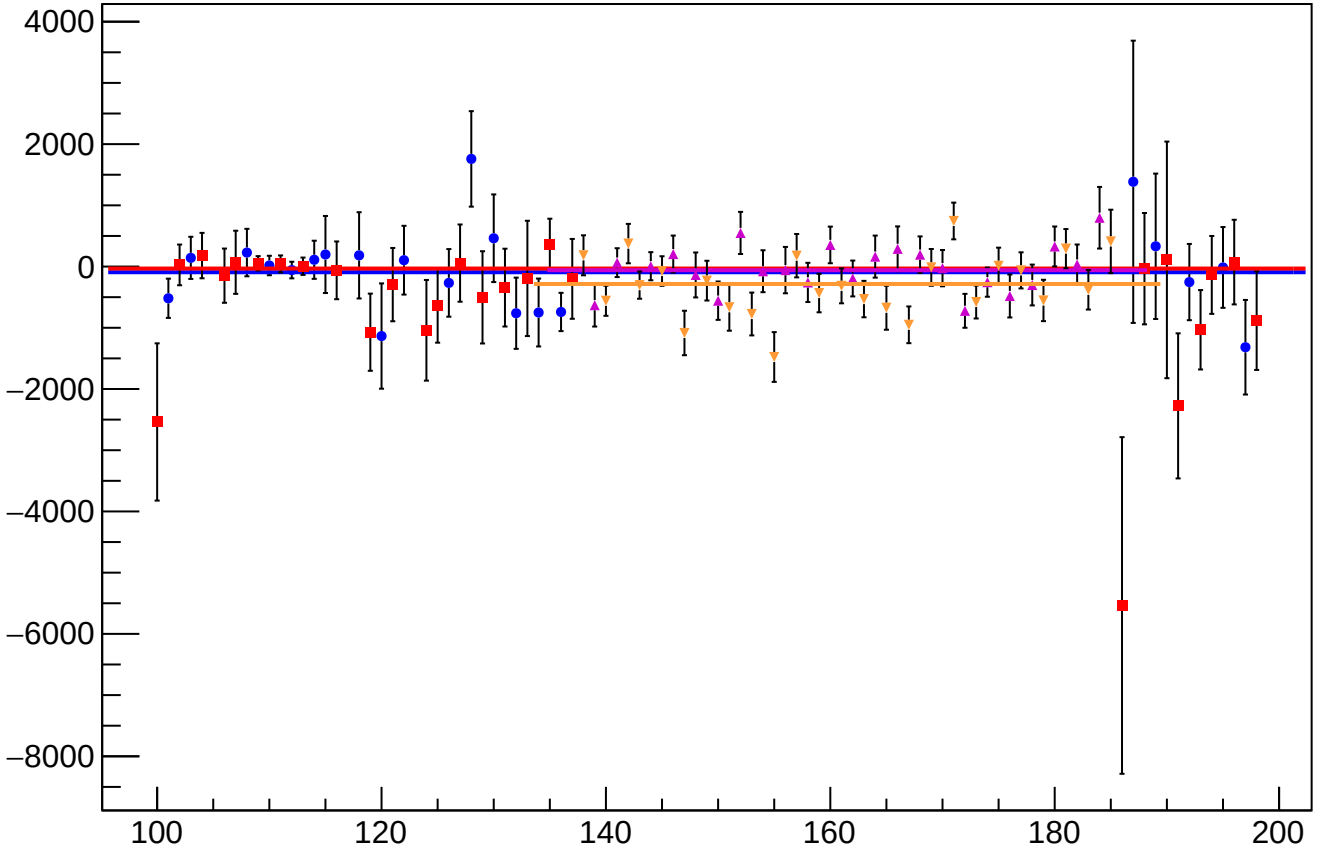
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 68.066+/-0.009 χ^2/NDF: 1972495.0/45

All: 68.615+/-0.006 χ^2/NDF: 4241842.3/95

- sign 69.164+/-0.009 χ^2/NDF: 2261950.4/49

asym_sam8_dit_correction_mean vs Slug



Right In: -92.791+/-76.923 χ^2/NDF: 22.4/20

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -32.197+/-64.416 χ^2/NDF: 23.3/26

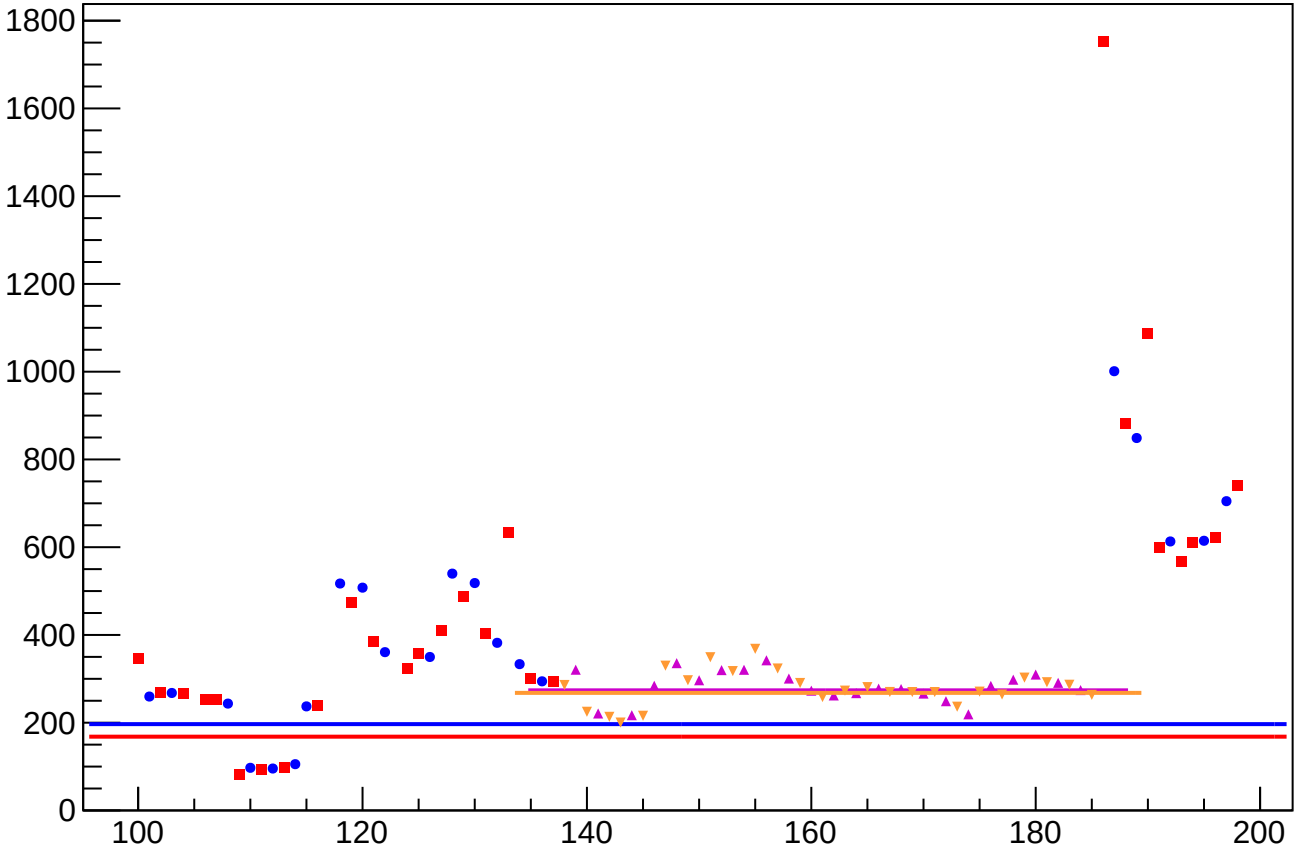
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -209.376+/-48.143 χ^2/NDF: 80.8/45

All: -123.113+/-33.117 χ^2/NDF: 137.1/95

- sign -45.632+/-45.627 χ^2/NDF: 50.3/49

asym_sam8_dit_correction_rms vs Slug



Right In: 196.755+/-0.054 χ^2/NDF: 7988447.8/20

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 168.167+/-0.046 χ^2/NDF: 11605283.2/26

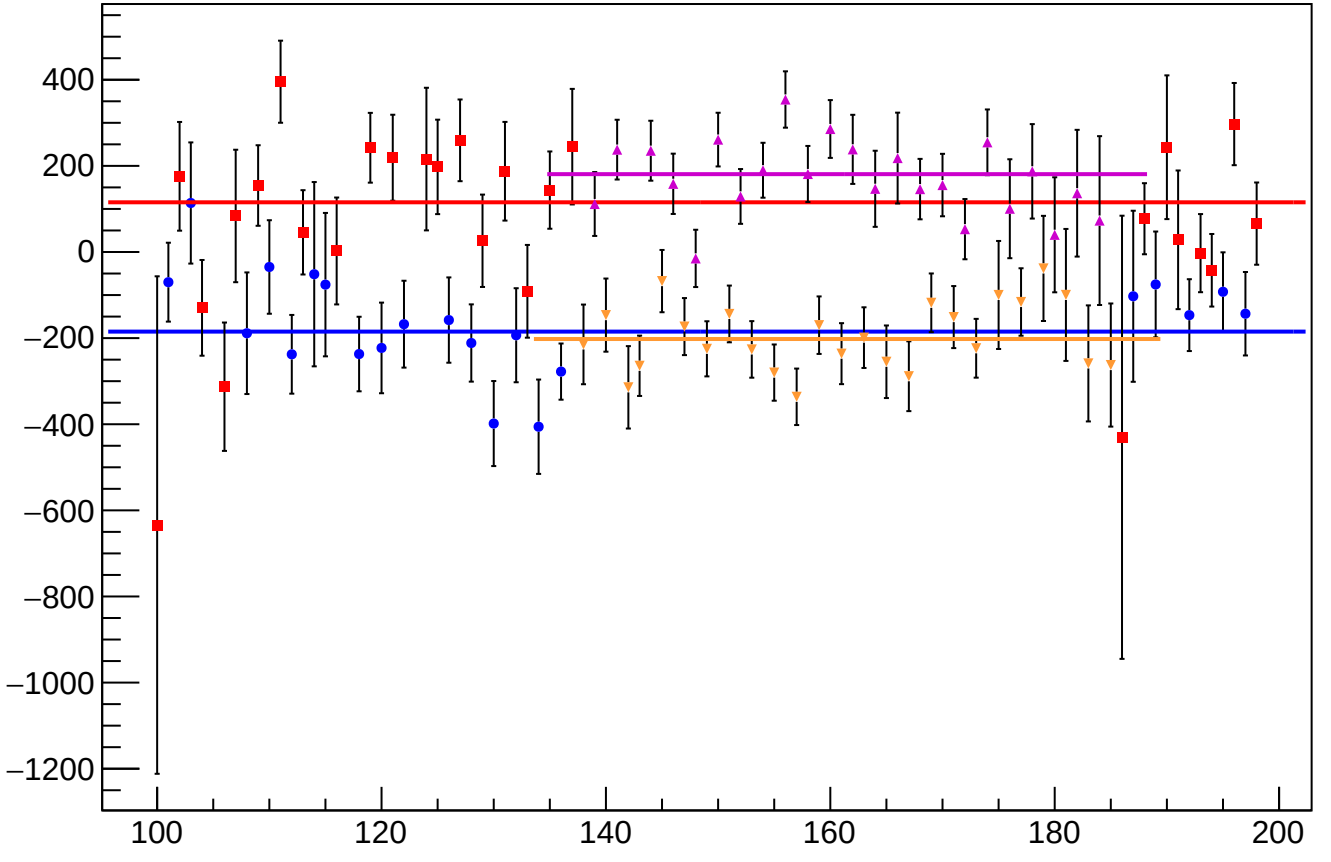
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 240.084+/-0.034 χ^2/NDF: 9894442.3/45

All: 229.914+/-0.023 χ^2/NDF: 24996890.9/95

- sign 220.779+/-0.032 χ^2/NDF: 14933026.6/49

eigen_dit_asym_sam8_mean vs Slug



Right In: -184.870+/-22.384 χ^2/NDF: 23.0/20

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 115.416+/-21.097 χ^2/NDF: 49.1/26

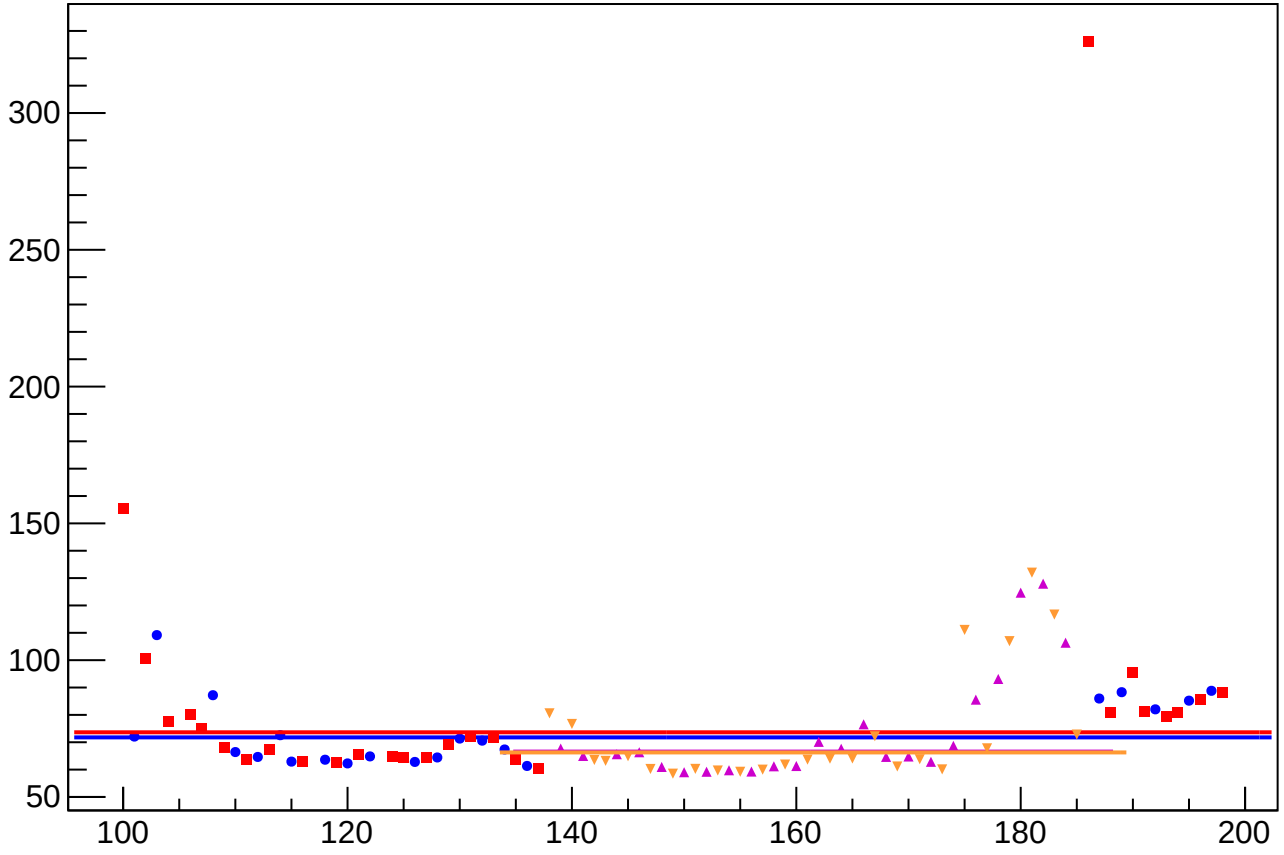
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -196.491+/-12.764 χ^2/NDF: 44.9/45

All: -19.721+/-9.023 χ^2/NDF: 513.6/95

- sign 156.880+/-12.758 χ^2/NDF: 85.3/49

eigen_dit_asym_sam8_rms vs Slug



Right In: 71.776+/-0.016 χ^2/NDF: 497217.3/20

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 73.637+/-0.015 χ^2/NDF: 961998.1/26

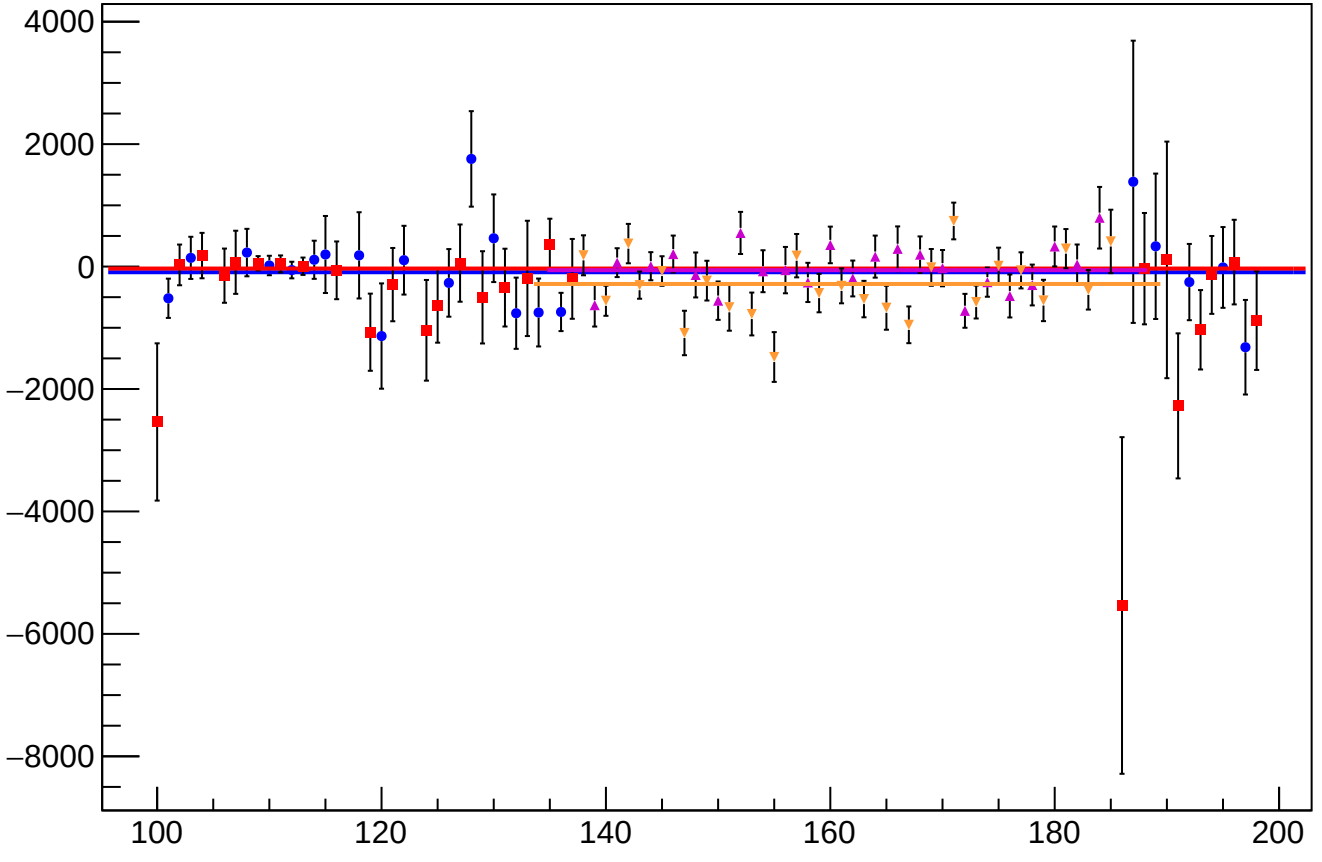
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 68.066+/-0.009 χ^2/NDF: 1972493.7/45

All: 68.615+/-0.006 χ^2/NDF: 4241829.1/95

- sign 69.164+/-0.009 χ^2/NDF: 2261938.6/49

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -92.789+/-76.922 χ^2/NDF: 22.4/20

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -32.195+/-64.416 χ^2/NDF: 23.3/26

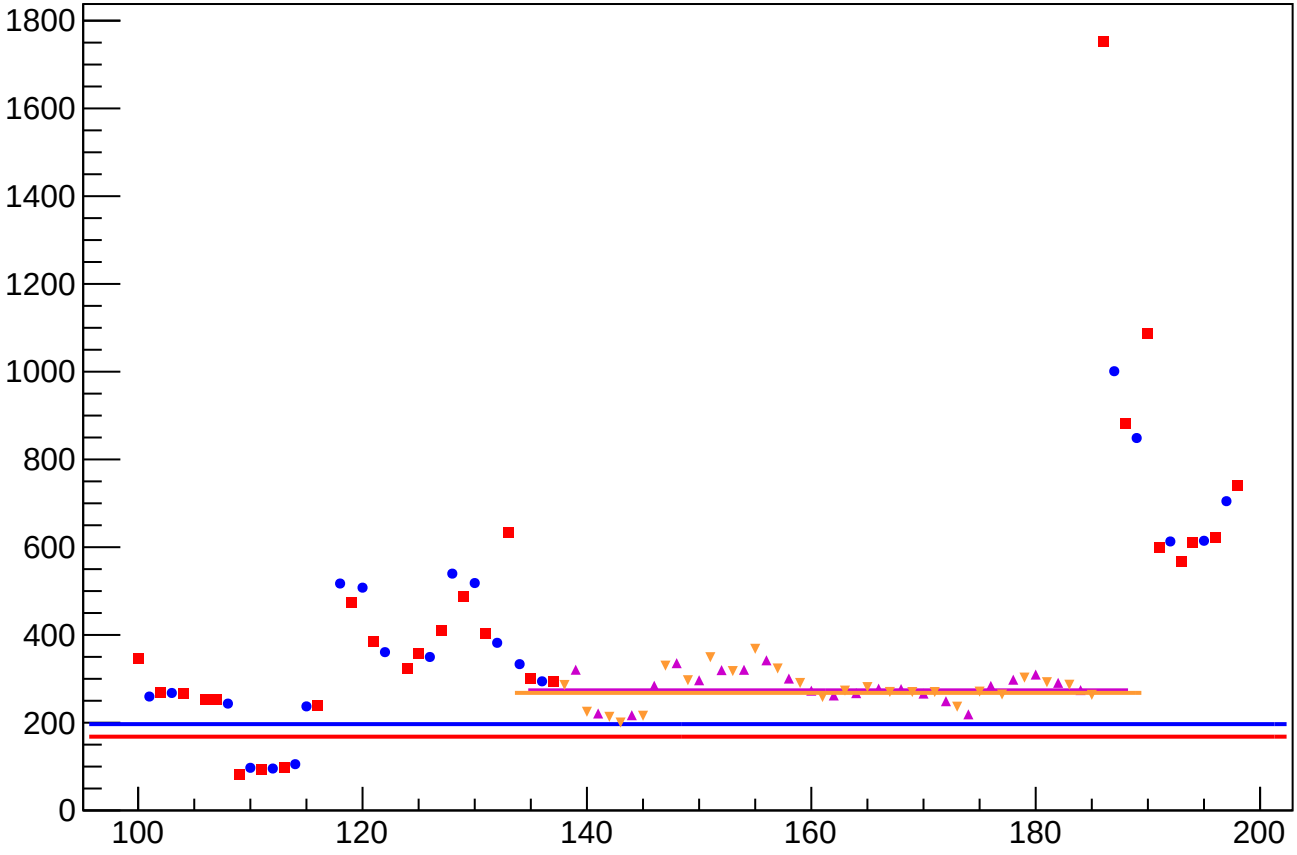
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -209.375+/-48.143 χ^2/NDF: 80.8/45

All: -123.112+/-33.117 χ^2/NDF: 137.1/95

- sign -45.632+/-45.627 χ^2/NDF: 50.3/49

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 196.753+/-0.054 χ^2/NDF: 7988484.7/20

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 168.167+/-0.046 χ^2/NDF: 11605263.6/26

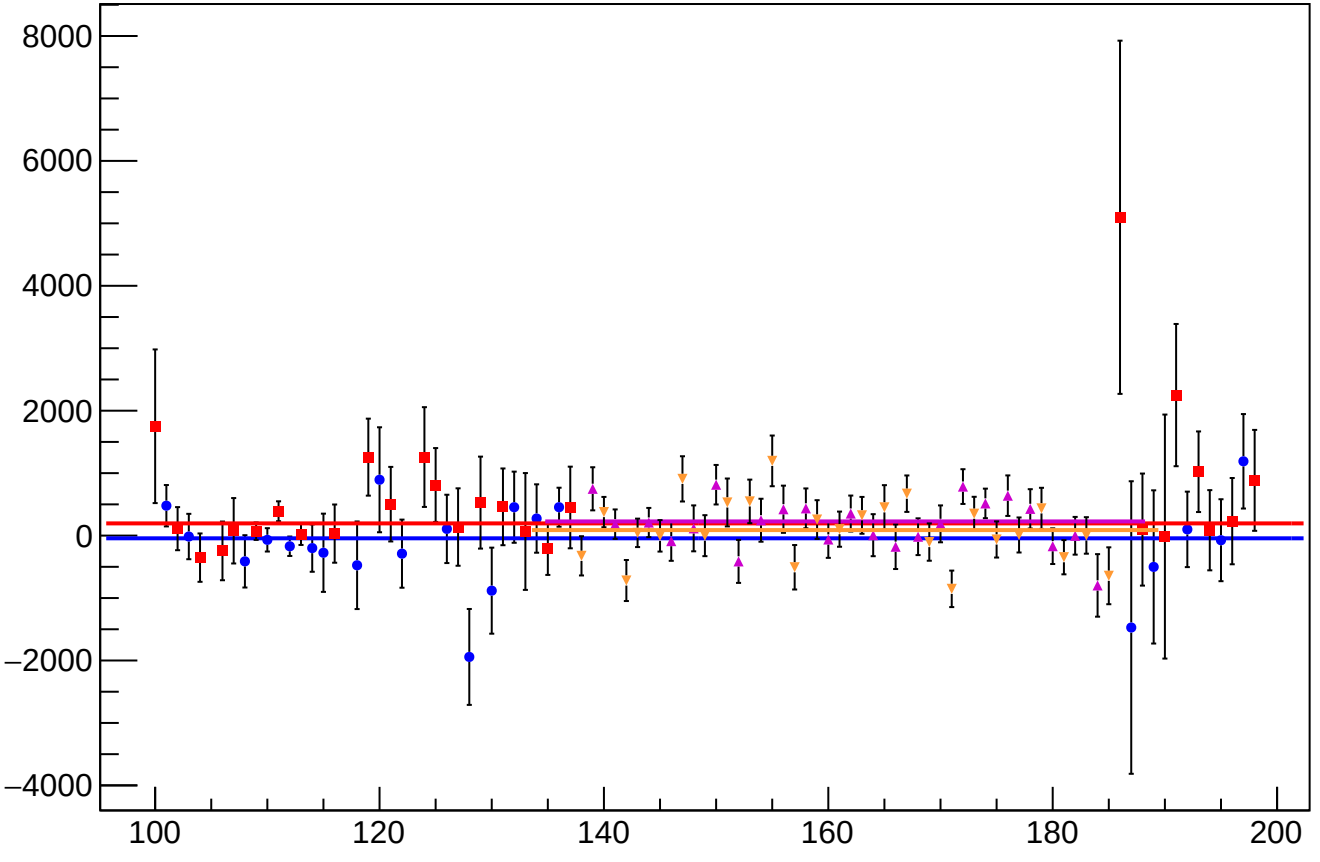
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 240.083+/-0.034 χ^2/NDF: 9894517.5/45

All: 229.913+/-0.023 χ^2/NDF: 24996929.2/95

- sign 220.778+/-0.032 χ^2/NDF: 14932999.9/49

asym_sam8_mean vs Slug



Right In: -43.534+/-84.483 χ^2/NDF: 20.6/20

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 195.417+/-72.442 χ^2/NDF: 24.3/26

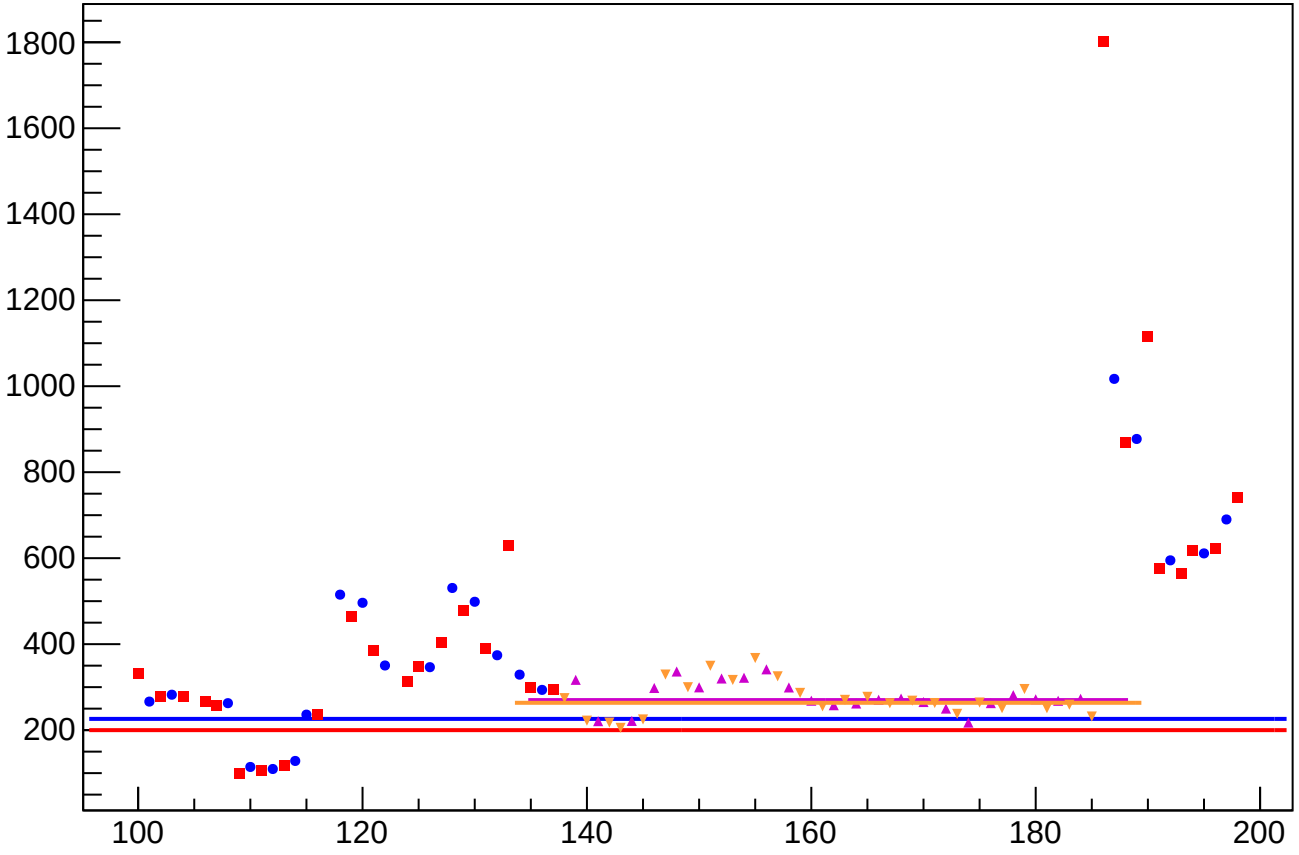
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 43.512+/-49.277 χ^2/NDF: 74.4/45

All: 130.869+/-34.320 χ^2/NDF: 133.8/95

- sign 213.159+/-47.827 χ^2/NDF: 53.2/49

asym_sam8_rms vs Slug



Right In: 226.156+/-0.060 χ^2/NDF: 6713220.2/20

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

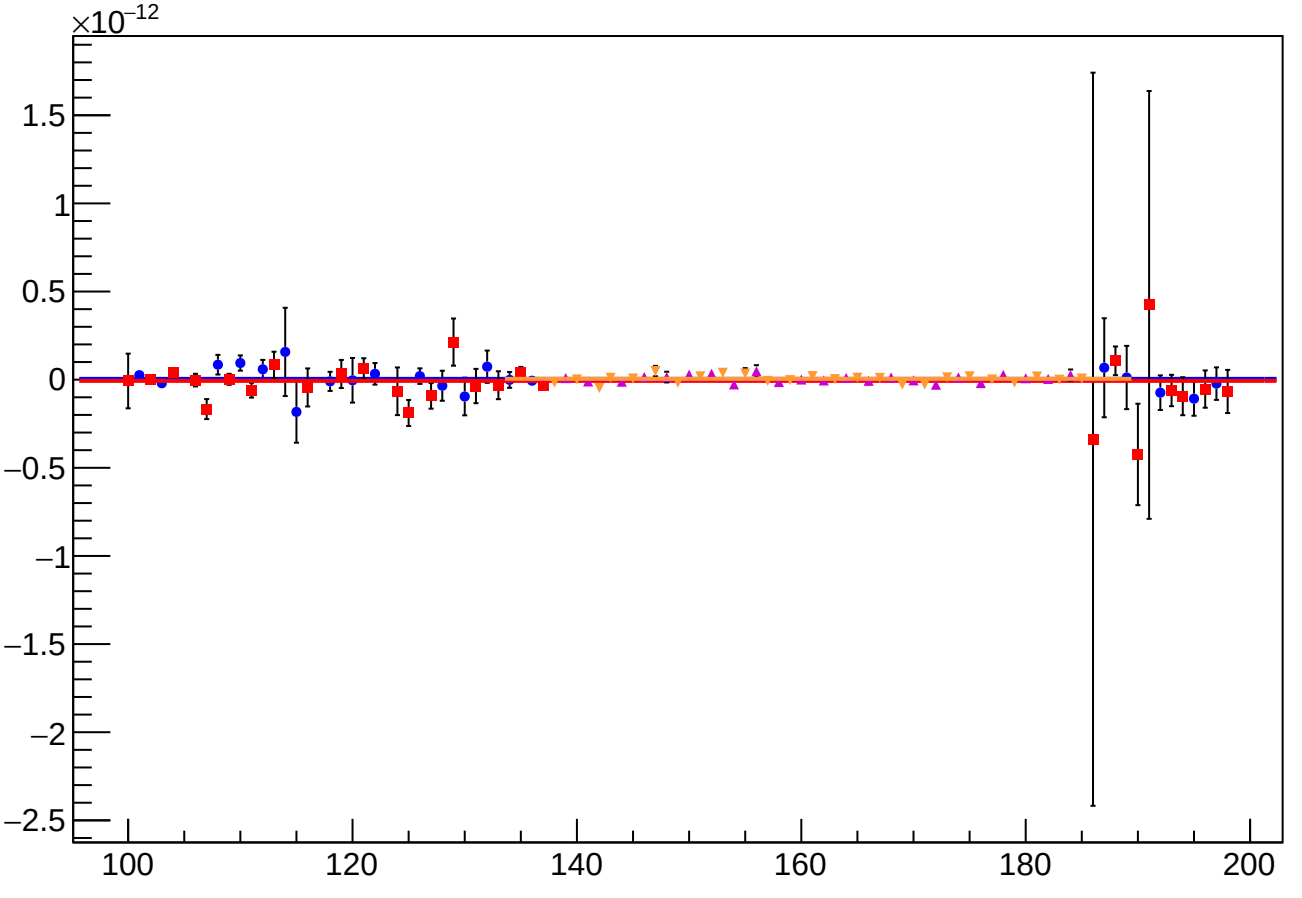
Right Out: 199.983+/-0.051 χ^2/NDF: 10030401.1/26

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 250.856+/-0.035 χ^2/NDF: 7752183.9/45

All: 244.969+/-0.024 χ^2/NDF: 19491167.9/95

- sign 239.424+/-0.034 χ^2/NDF: 11683550.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

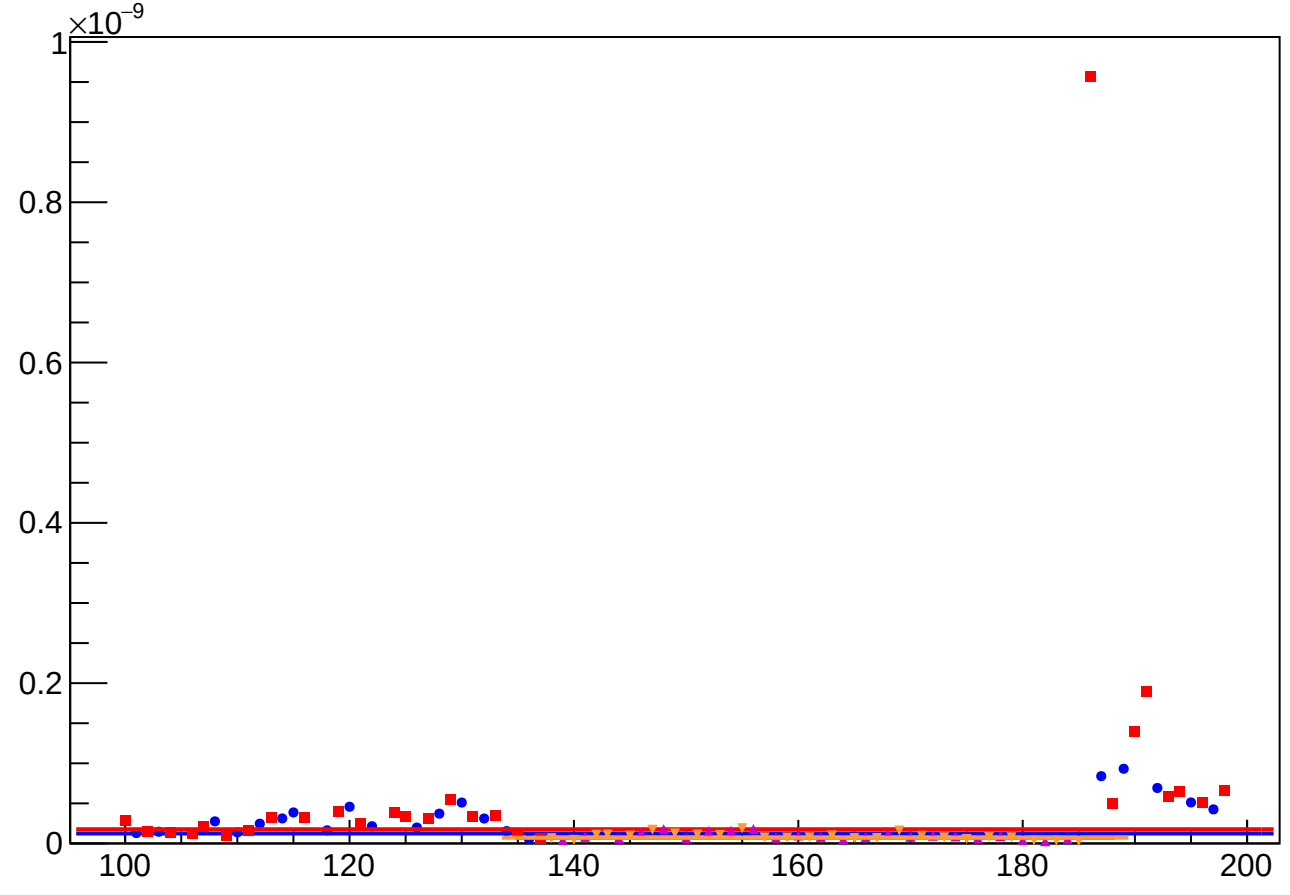
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/26

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/45

All: 0.000+/-0.000 χ^2/NDF: 102.9/95

- sign 0.000+/-0.000 χ^2/NDF: 58.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 3564428.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3969817.0/26

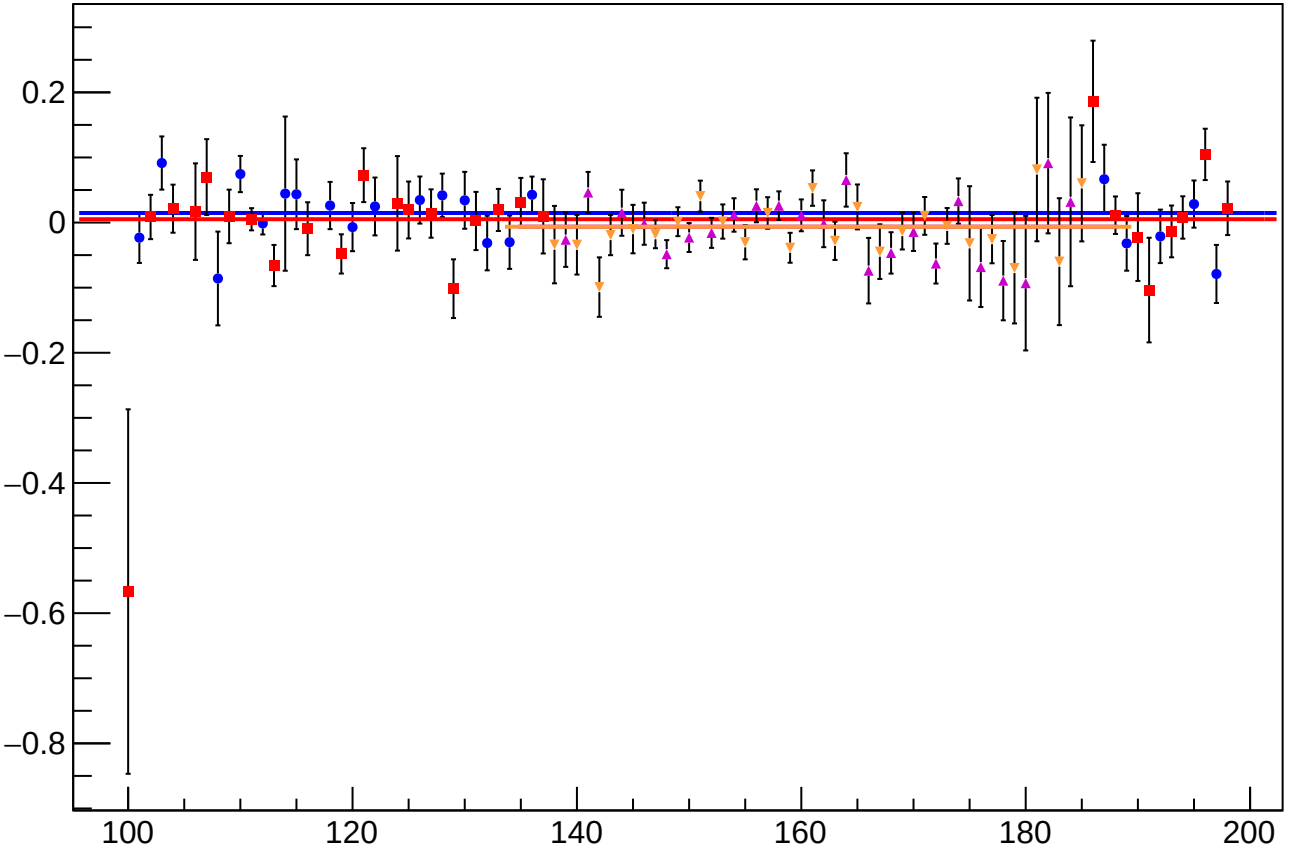
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6264910.7/45

All: 0.000+/-0.000 χ^2/NDF: 14399754.0/95

- sign 0.000+/-0.000 χ^2/NDF: 8125867.2/49

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.007 χ^2/NDF: 35.8/26

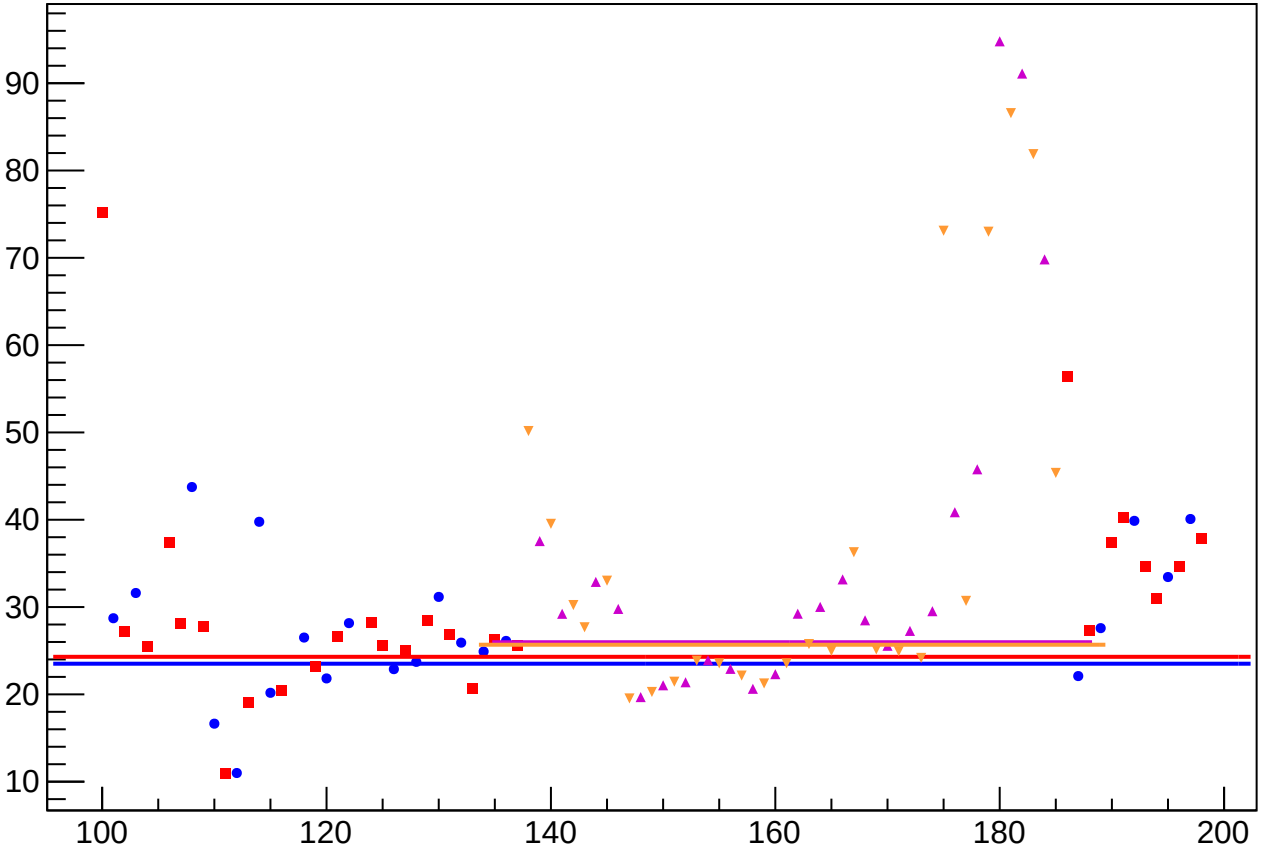
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.7/45

All: 0.000+/-0.004 χ^2/NDF: 117.5/95

- sign -0.001+/-0.005 χ^2/NDF: 65.5/49

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 23.511+/-0.006 χ^2/NDF: 2418001.0/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

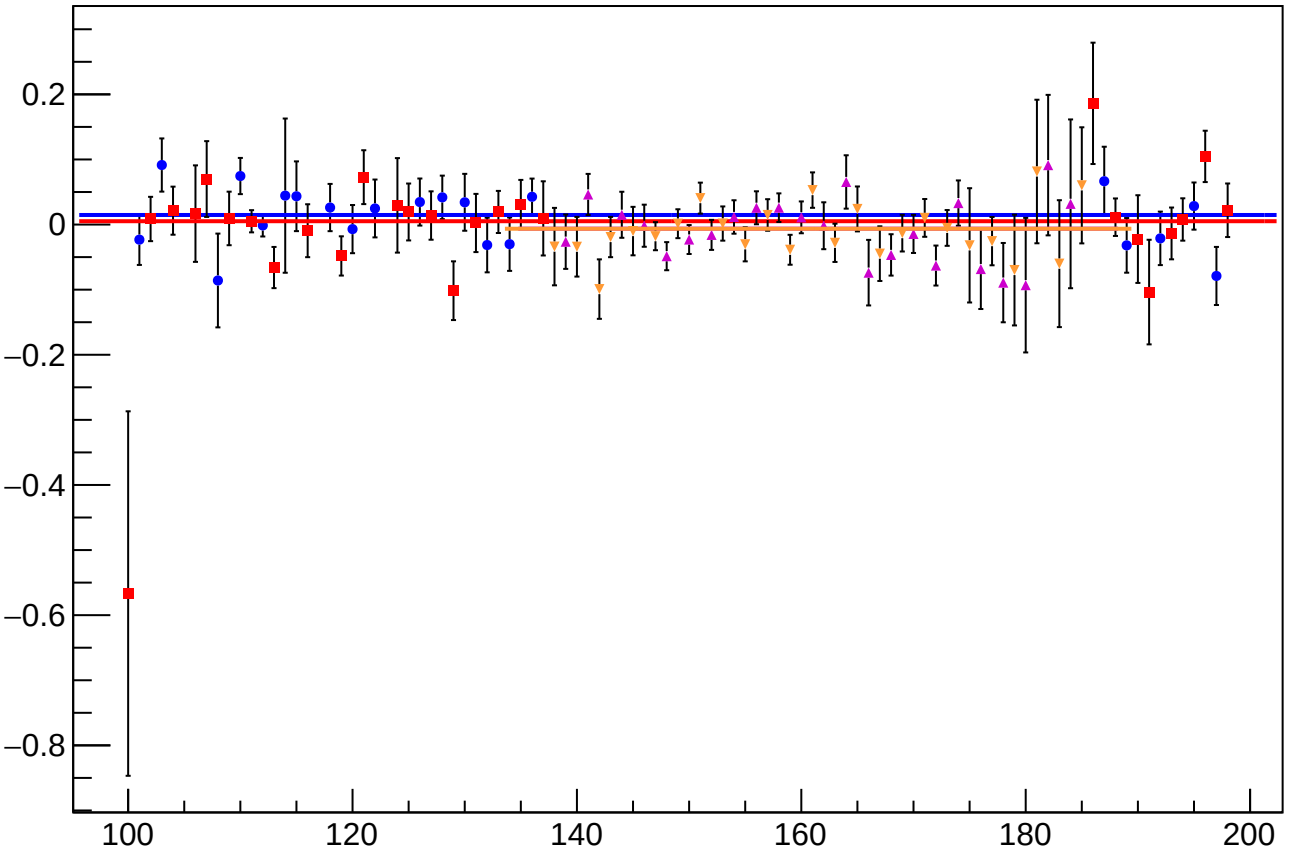
Right Out: 24.301+/-0.005 χ^2/NDF: 2535471.3/26

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.824+/-0.004 χ^2/NDF: 6381113.9/45

All: 25.027+/-0.002 χ^2/NDF: 12098239.9/95

- sign 25.227+/-0.003 χ^2/NDF: 5710503.4/49



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.007 χ^2/NDF: 35.8/26

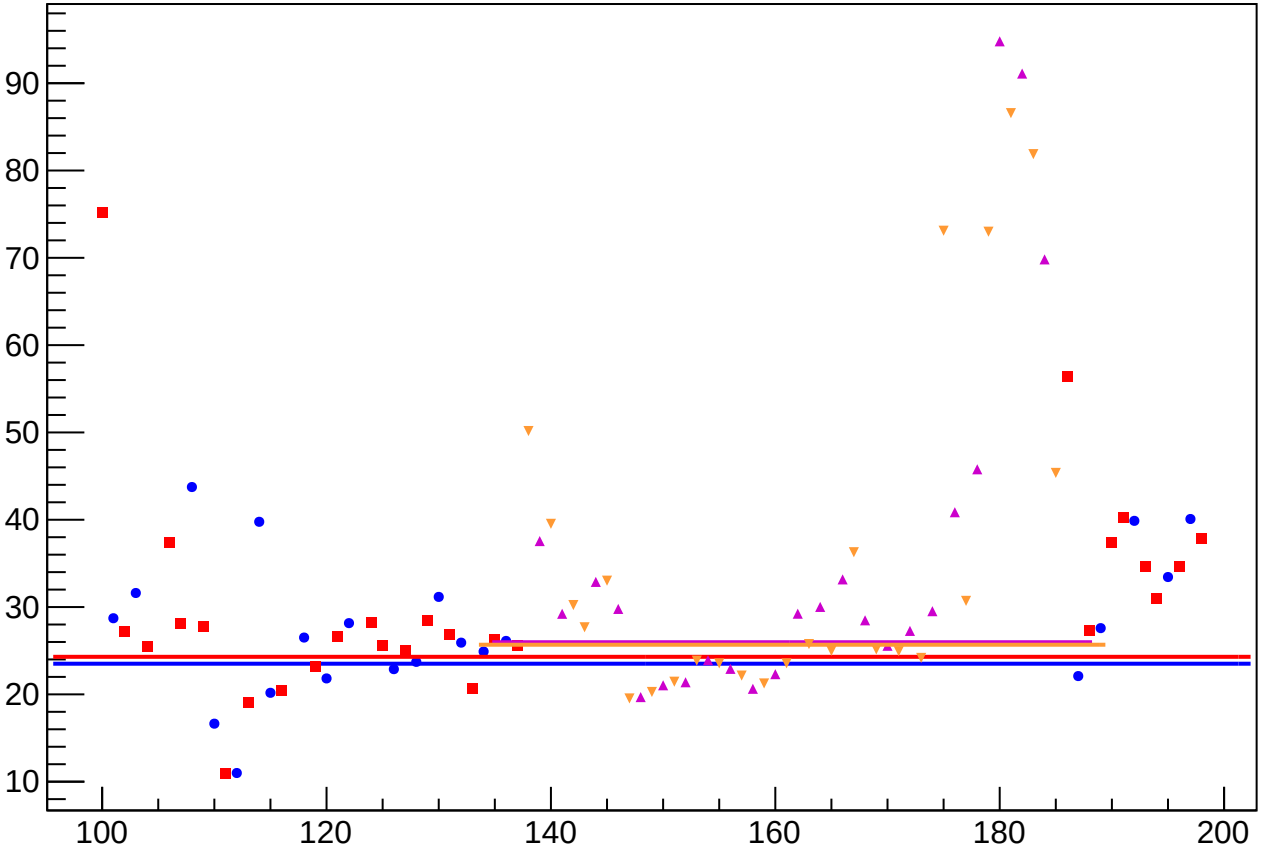
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.7/45

All: 0.000+/-0.004 χ^2/NDF: 117.5/95

- sign -0.001+/-0.005 χ^2/NDF: 65.5/49

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.511+/-0.006 χ^2/NDF: 2418001.0/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

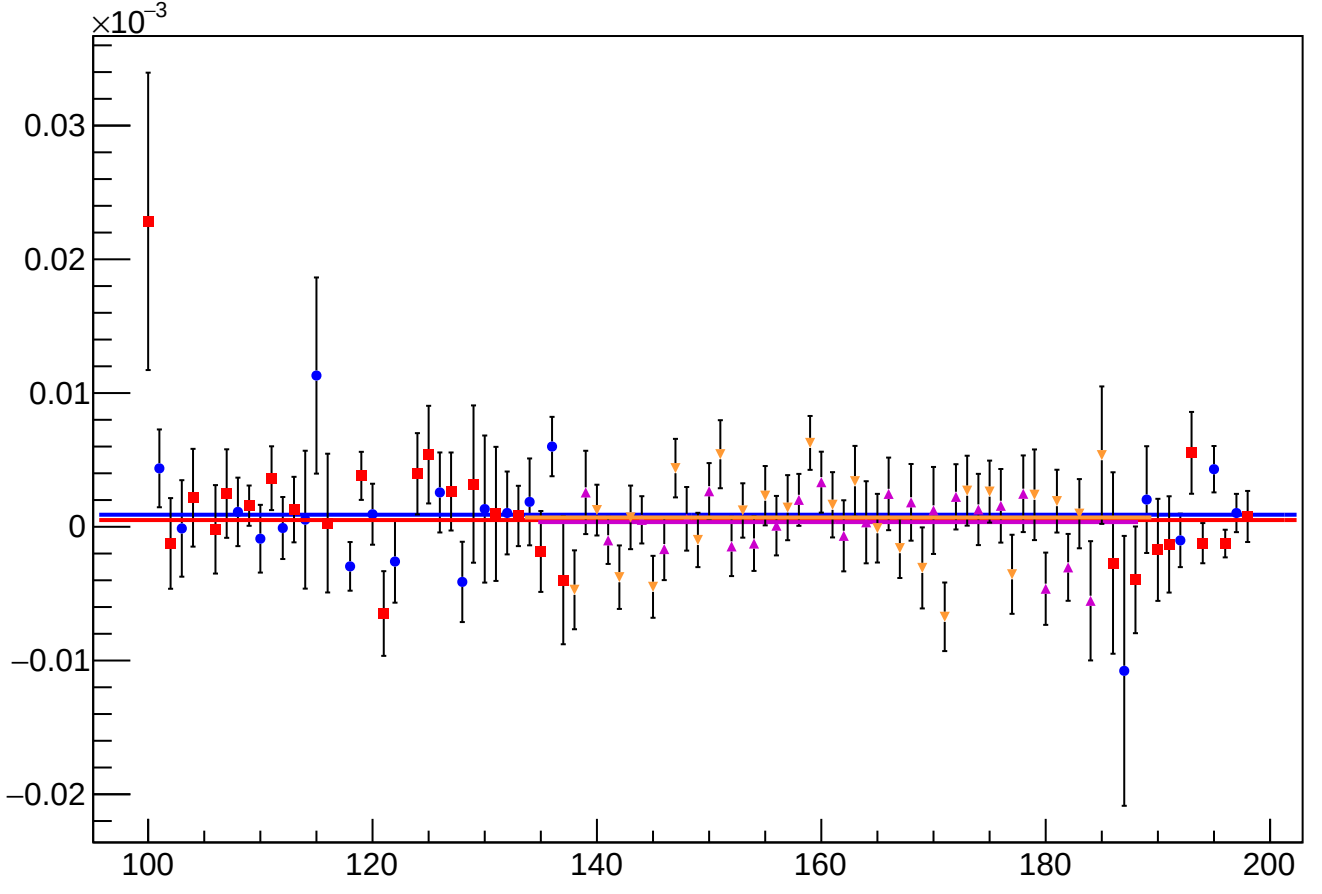
Right Out: 24.301+/-0.005 χ^2/NDF: 2535471.3/26

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.824+/-0.004 χ^2/NDF: 6381113.9/45

All: 25.027+/-0.002 χ^2/NDF: 12098239.9/95

- sign 25.227+/-0.003 χ^2/NDF: 5710503.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/26

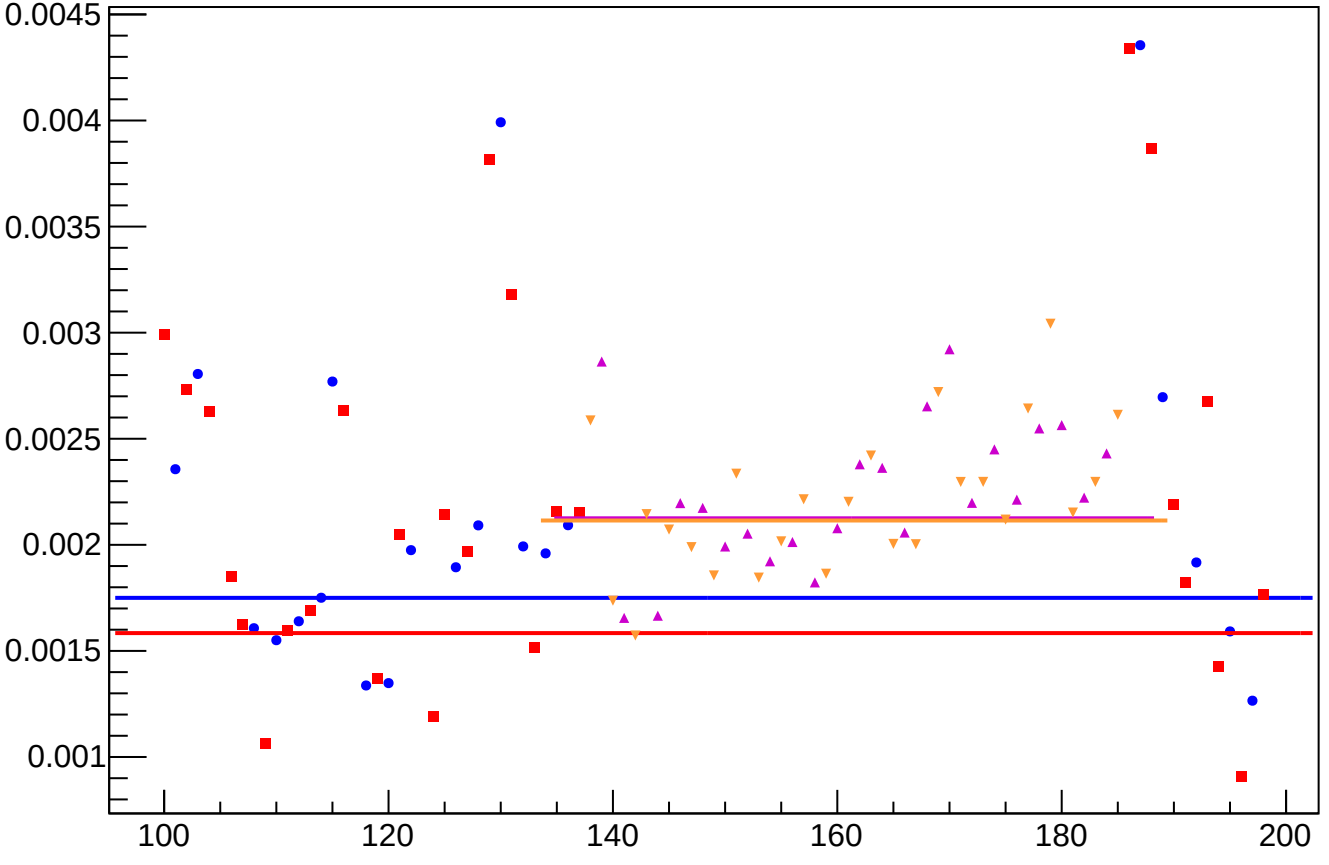
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.1/45

All: 0.000+/-0.000 χ^2/NDF: 115.9/95

- sign 0.000+/-0.000 χ^2/NDF: 46.3/49

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1432490.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3738823.7/26

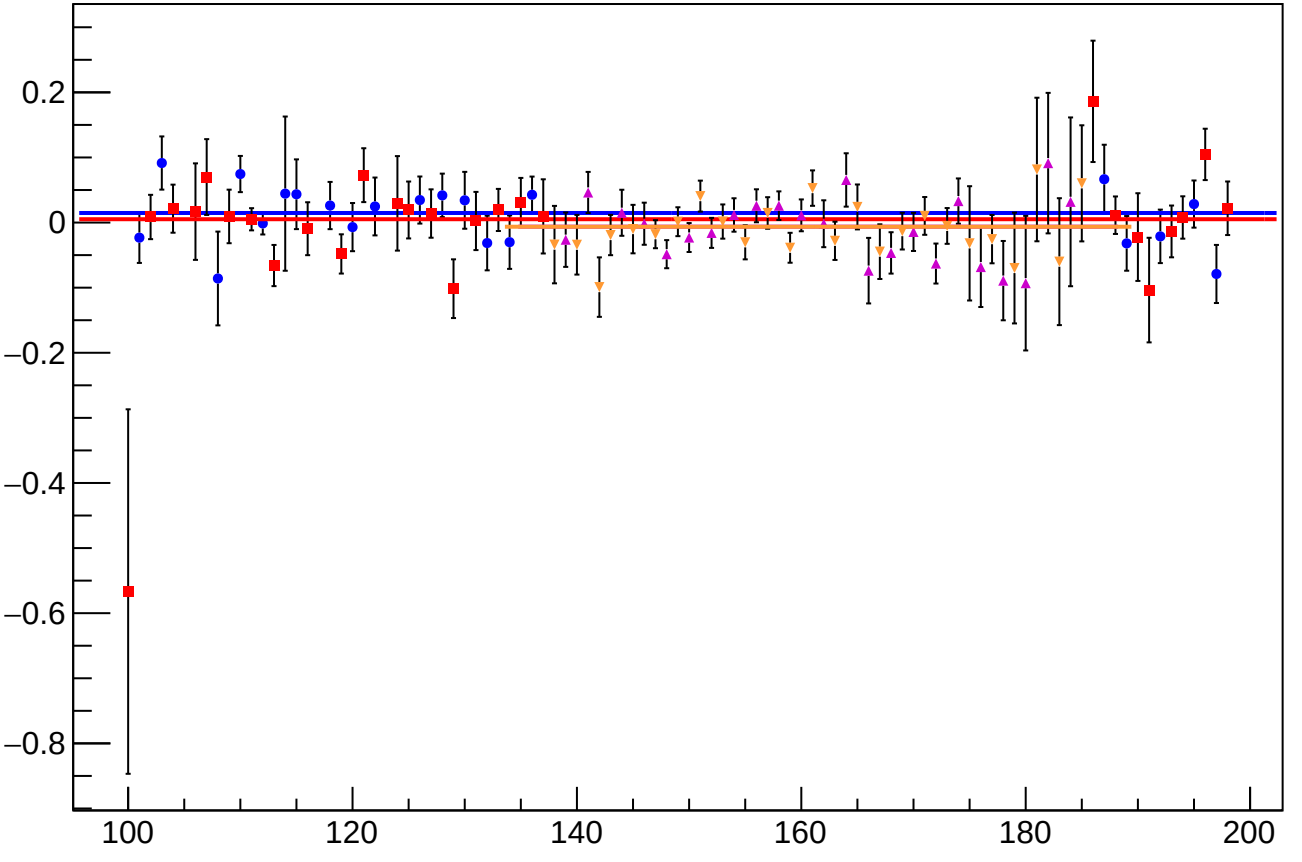
Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 2655741.4/45

All: 0.002+/-0.000 χ^2/NDF: 8540379.1/95

- sign 0.002+/-0.000 χ^2/NDF: 5779910.3/49

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.007 χ^2/NDF: 35.8/26

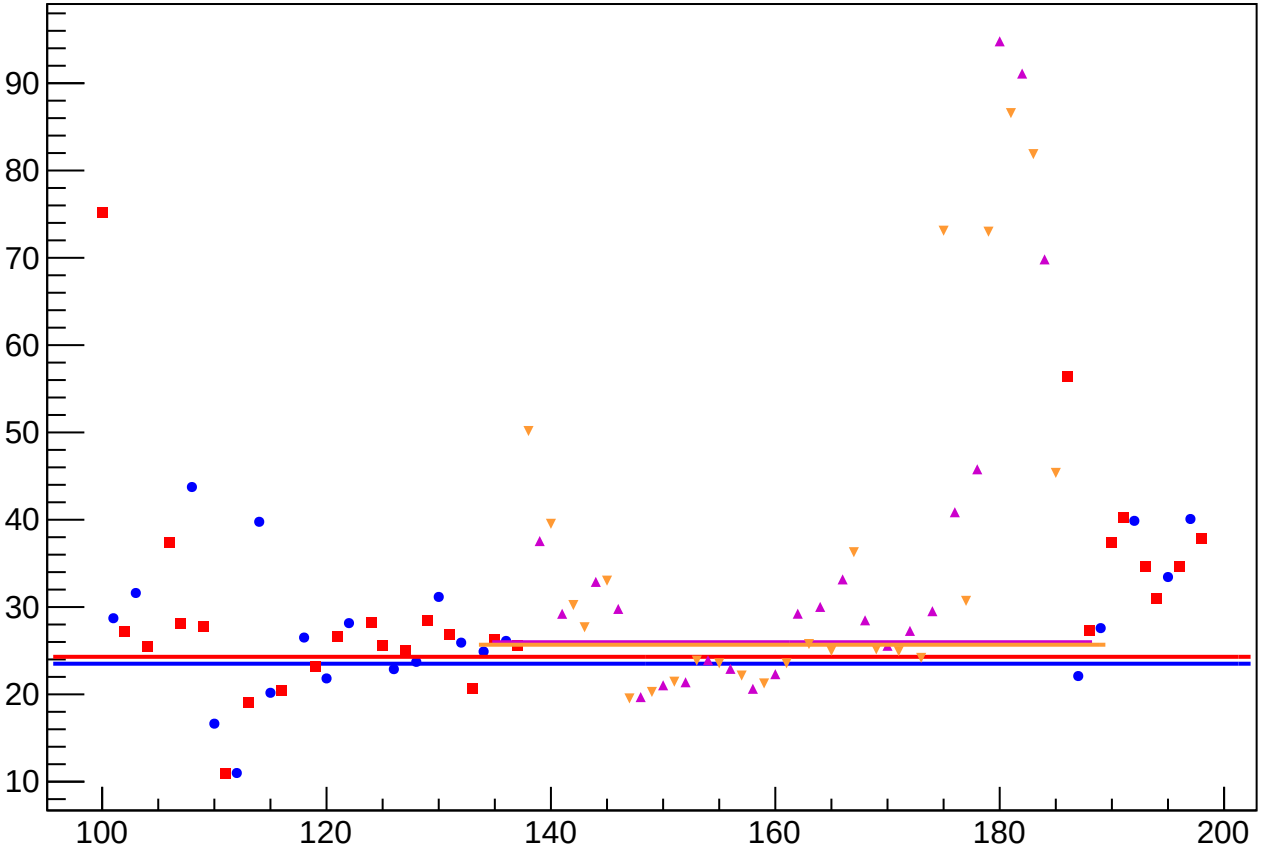
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.7/45

All: 0.000+/-0.004 χ^2/NDF: 117.5/95

- sign -0.001+/-0.005 χ^2/NDF: 65.5/49

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.510+/-0.006 χ^2/NDF: 2418201.3/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

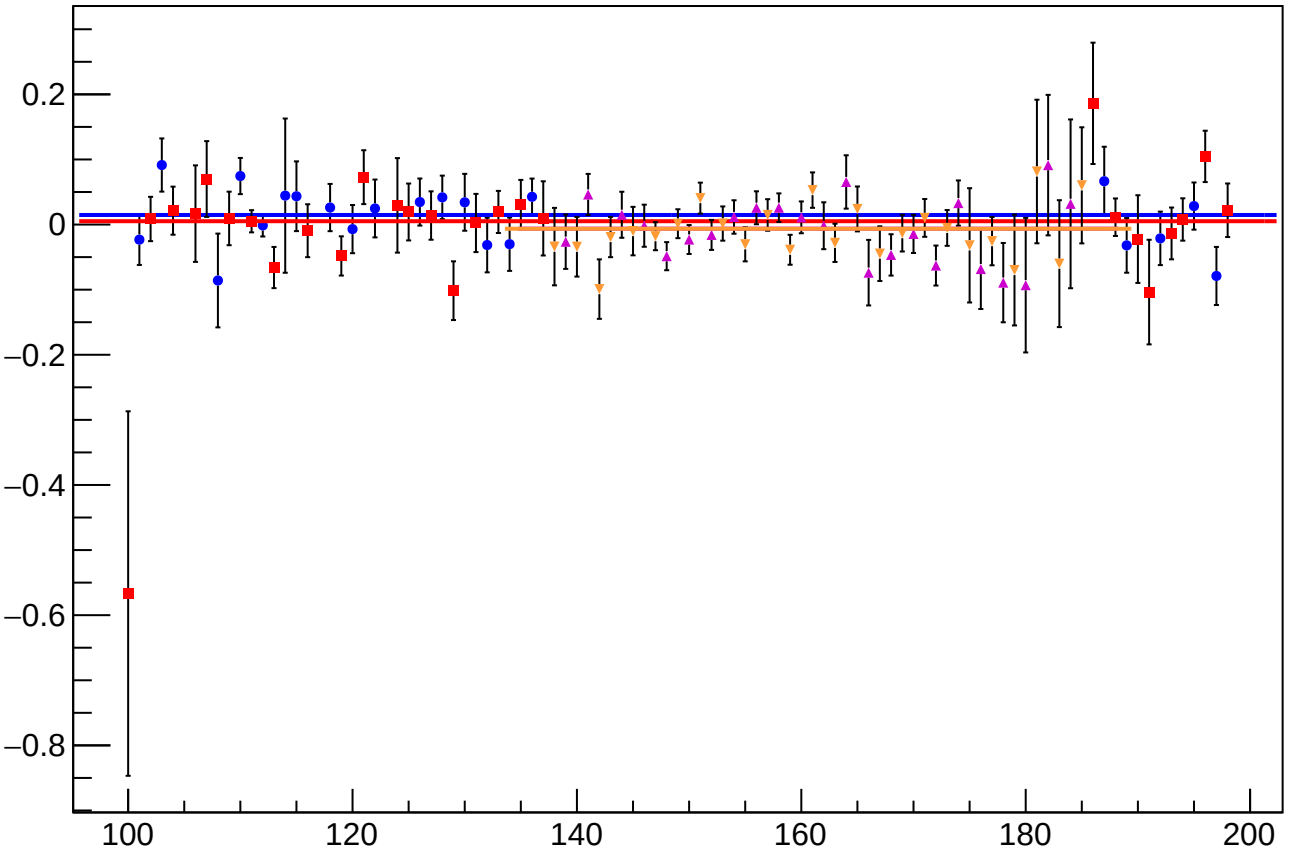
Right Out: 24.300+/-0.005 χ^2/NDF: 2535682.6/26

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.824+/-0.004 χ^2/NDF: 6381375.6/45

All: 25.027+/-0.002 χ^2/NDF: 12098745.5/95

- sign 25.226+/-0.003 χ^2/NDF: 5710748.7/49



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.007 χ^2/NDF: 35.8/26

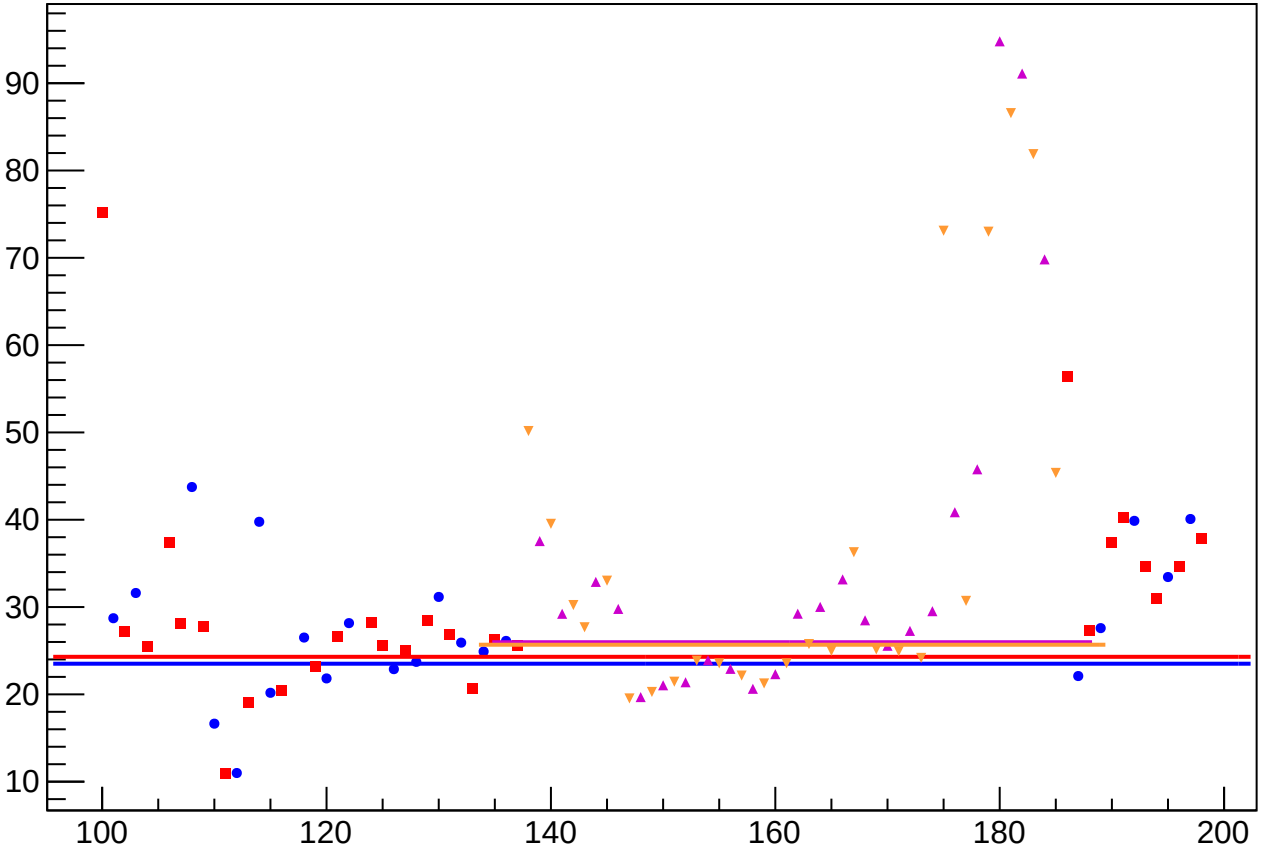
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.7/45

All: 0.000+/-0.004 χ^2/NDF: 117.5/95

- sign -0.001+/-0.005 χ^2/NDF: 65.5/49

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.510+/-0.006 χ^2/NDF: 2418201.3/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 24.300+/-0.005 χ^2/NDF: 2535682.6/26

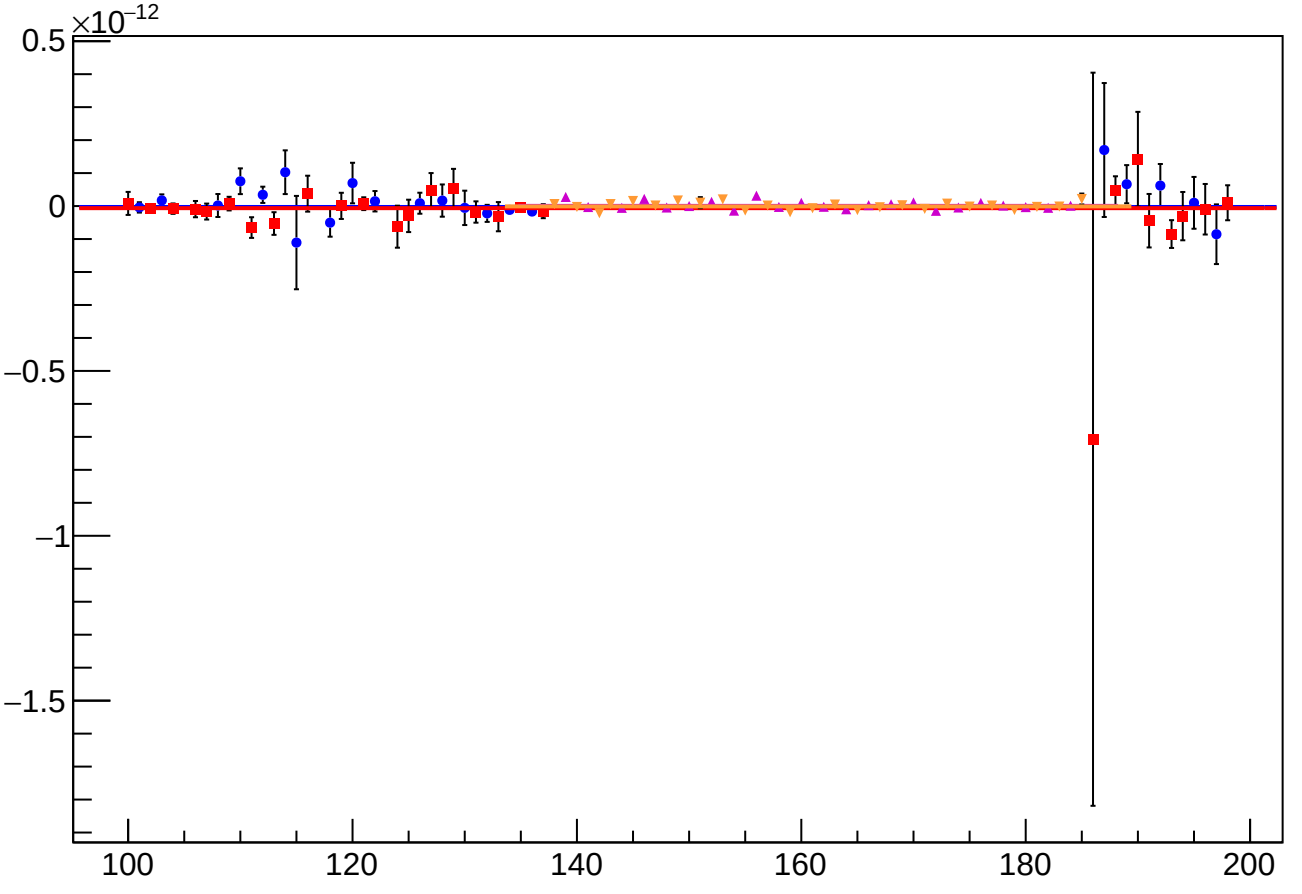
Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.824+/-0.004 χ^2/NDF: 6381375.6/45

All: 25.027+/-0.002 χ^2/NDF: 12098745.5/95

- sign 25.226+/-0.003 χ^2/NDF: 5710748.7/49

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

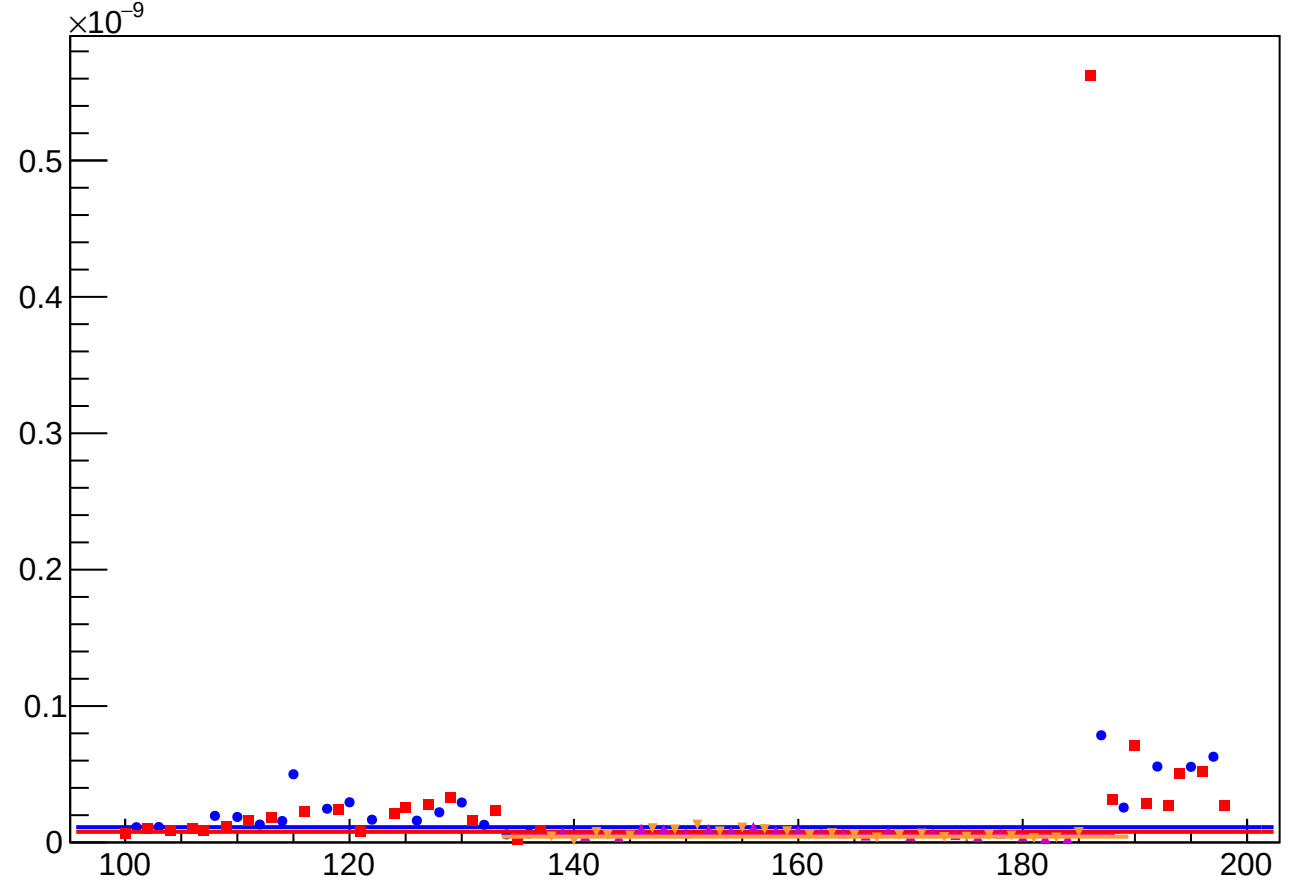
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/26

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.1/45

All: -0.000+/-0.000 χ^2/NDF: 100.2/95

- sign -0.000+/-0.000 χ^2/NDF: 50.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 4550589.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7729272.8/26

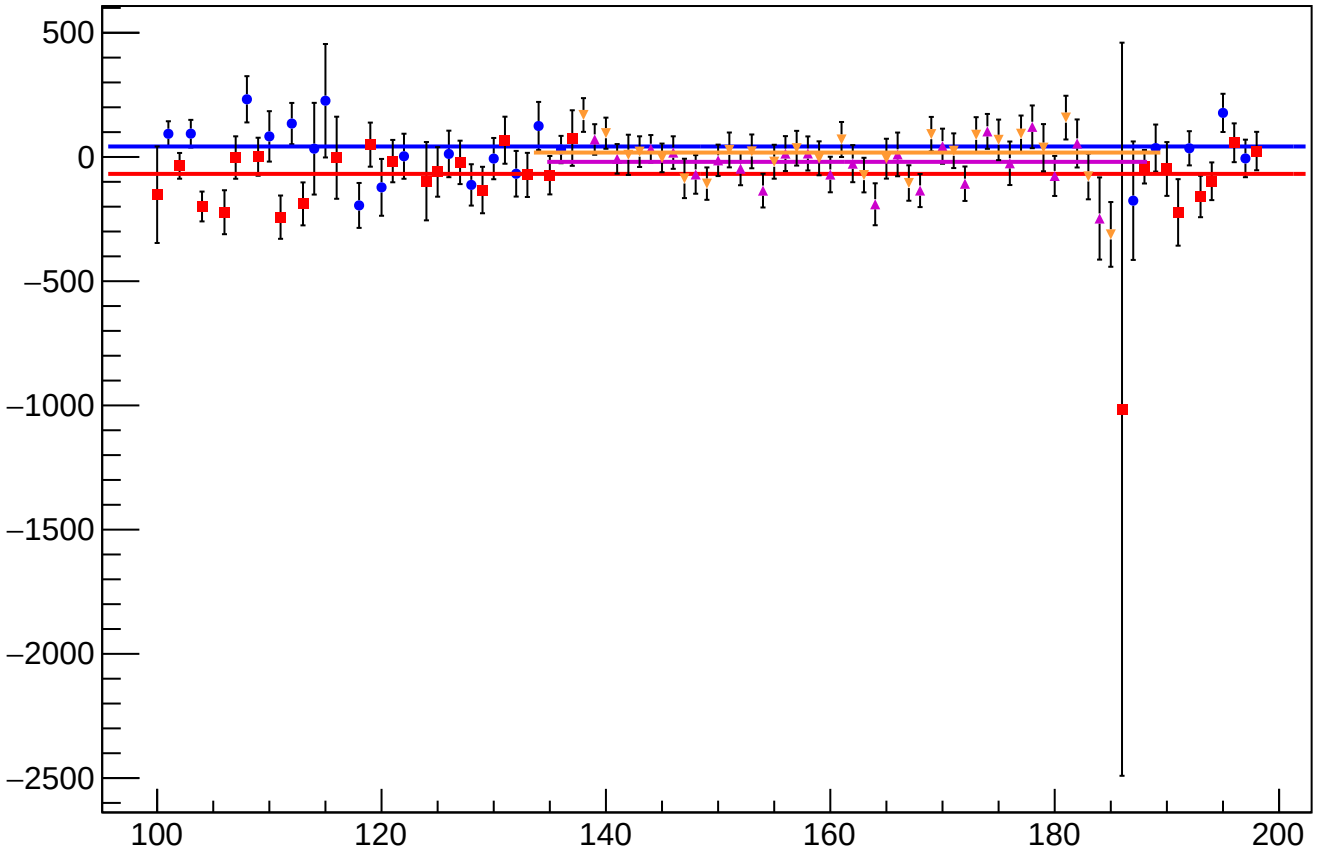
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13035544.6/45

All: 0.000+/-0.000 χ^2/NDF: 24646648.2/95

- sign 0.000+/-0.000 χ^2/NDF: 11061971.7/49

reg_asym_sam_15_avg_mean vs Slug



Right In: 42.264+/-18.006 χ^2/NDF: 27.7/20

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -68.057+/-16.758 χ^2/NDF: 29.9/26

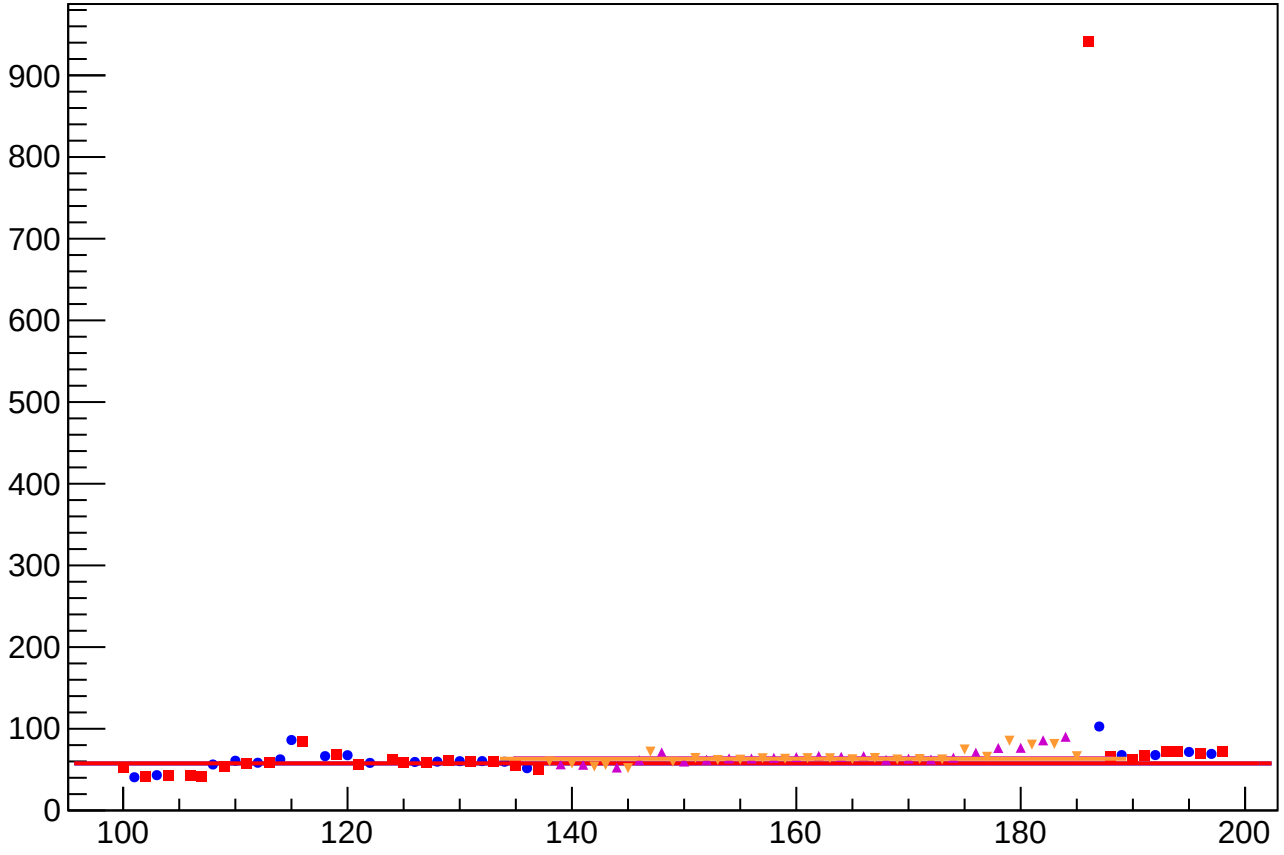
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 27.420+/-11.291 χ^2/NDF: 60.4/45

All: -7.209+/-7.949 χ^2/NDF: 139.7/95

- sign -41.241+/-11.193 χ^2/NDF: 60.7/49

reg_asym_sam_15_avg_rms vs Slug



Right In: 57.485+/-0.013 χ^2/NDF: 711278.2/20

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.682+/-0.012 χ^2/NDF: 1560561.1/26

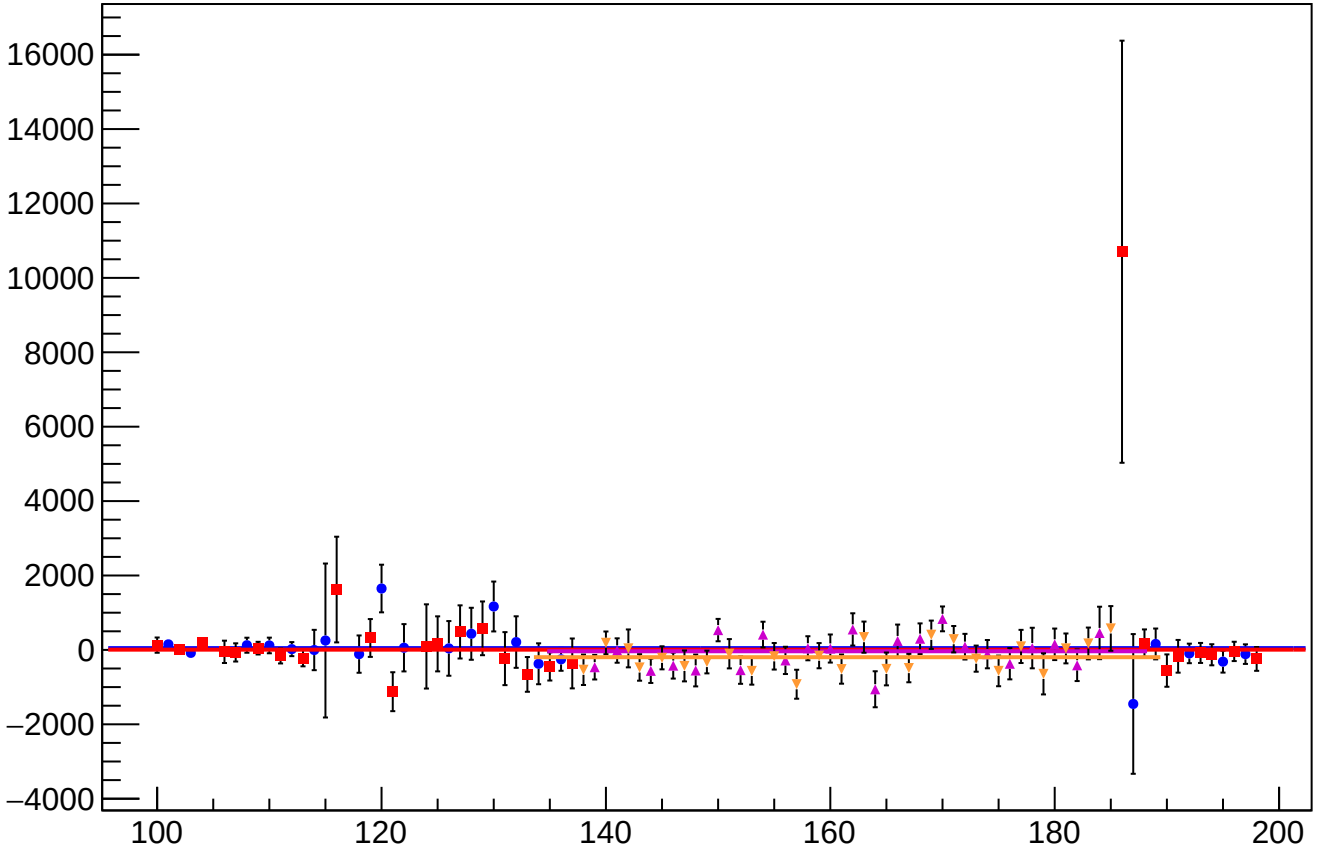
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.021+/-0.008 χ^2/NDF: 1335813.1/45

All: 61.079+/-0.006 χ^2/NDF: 3495169.3/95

- sign 61.136+/-0.008 χ^2/NDF: 2159251.0/49

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 47.733+/-44.300 χ^2/NDF: 18.8/20

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 6.720+/-46.417 χ^2/NDF: 24.8/26

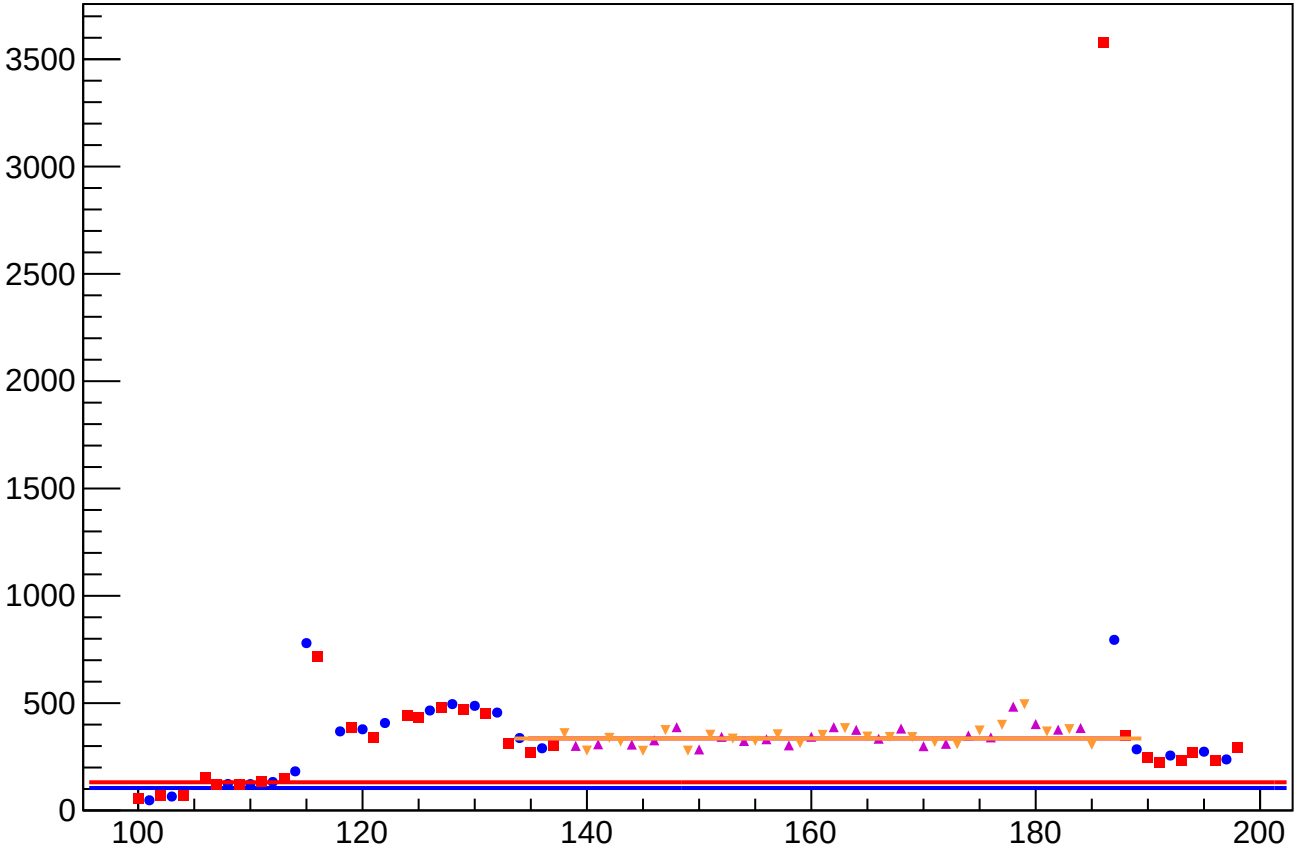
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -12.763+/-38.410 χ^2/NDF: 46.9/45

All: -8.711+/-27.721 χ^2/NDF: 103.0/95

- sign -4.306+/-40.048 χ^2/NDF: 56.1/49

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 104.484+/-0.031 χ^2/NDF: 9370126.7/20

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 131.306+/-0.033 χ^2/NDF: 9046848.1/26

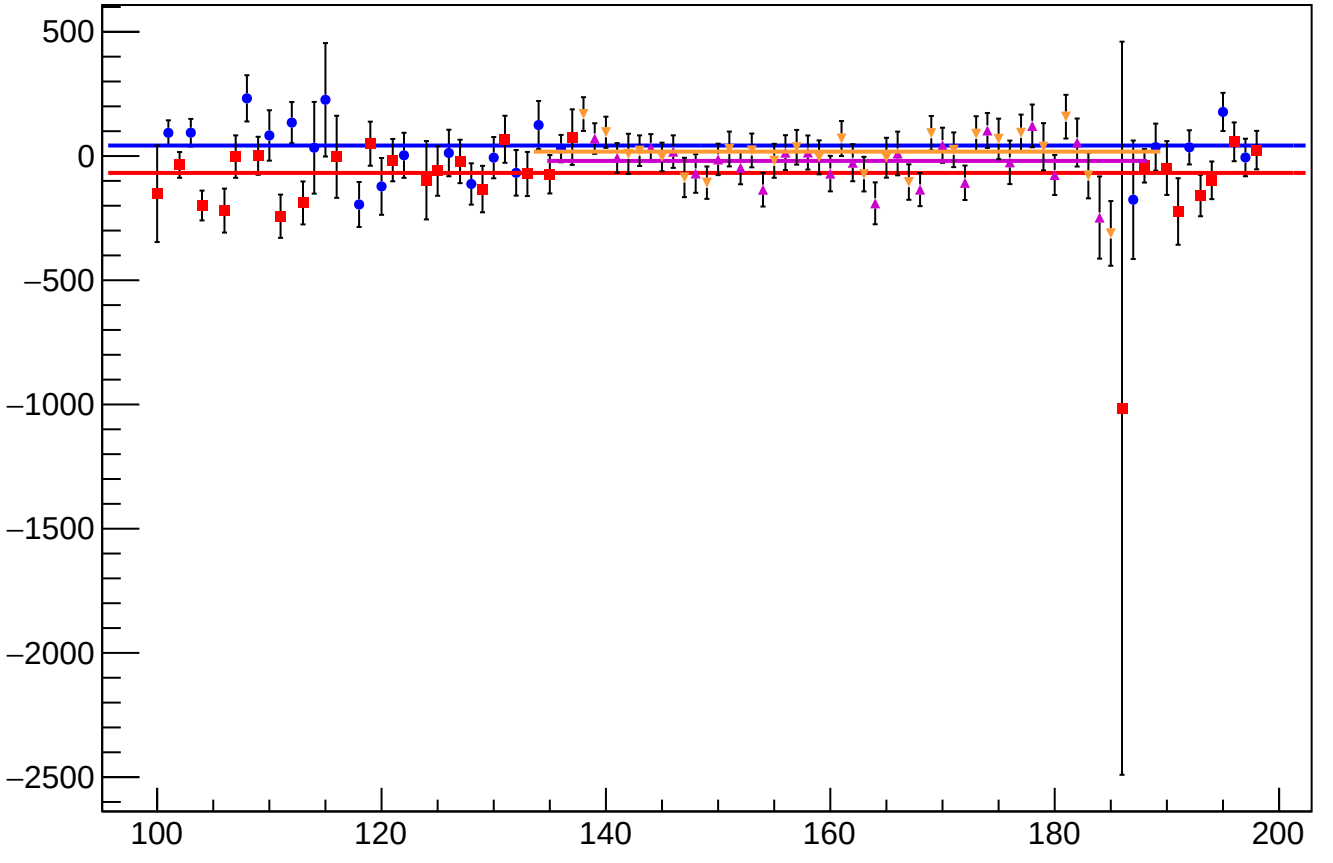
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 161.779+/-0.027 χ^2/NDF: 23409394.8/45

All: 172.191+/-0.020 χ^2/NDF: 43154164.5/95

- sign 183.509+/-0.028 χ^2/NDF: 19438080.9/49

cor_asym_sam_15_avg_mean vs Slug



Right In: 42.274+/-18.006 χ^2/NDF: 27.7/20

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -67.960+/-16.759 χ^2/NDF: 29.7/26

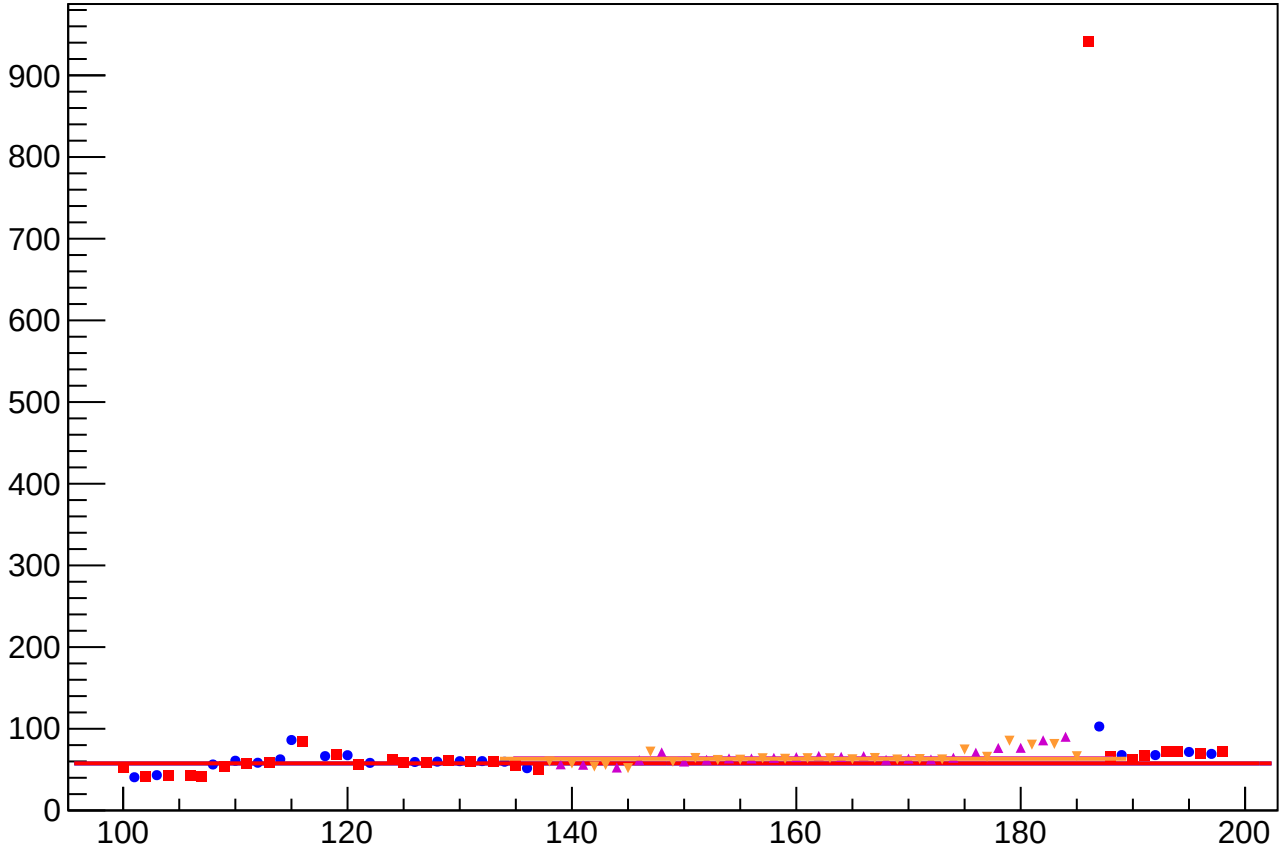
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 27.426+/-11.291 χ^2/NDF: 60.4/45

All: -7.183+/-7.949 χ^2/NDF: 139.6/95

- sign -41.196+/-11.194 χ^2/NDF: 60.6/49

cor_asym_sam_15_avg_rms vs Slug



Right In: 57.485+/-0.013 χ^2/NDF: 711277.3/20

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.681+/-0.012 χ^2/NDF: 1560961.9/26

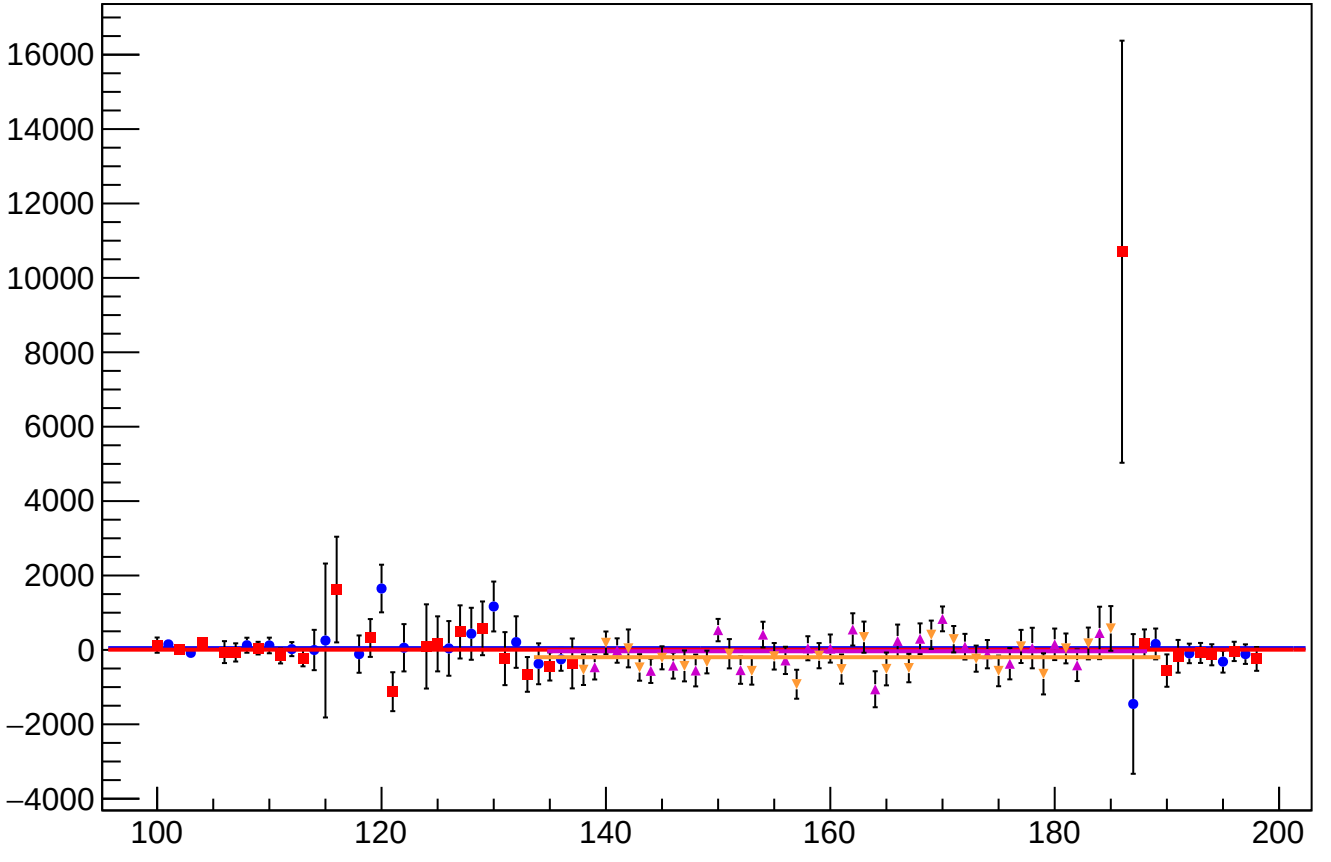
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.021+/-0.008 χ^2/NDF: 1335812.0/45

All: 61.079+/-0.006 χ^2/NDF: 3495615.1/95

- sign 61.136+/-0.008 χ^2/NDF: 2159698.6/49

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 47.737+/-44.299 χ^2/NDF: 18.8/20

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 6.373+/-46.384 χ^2/NDF: 24.8/26

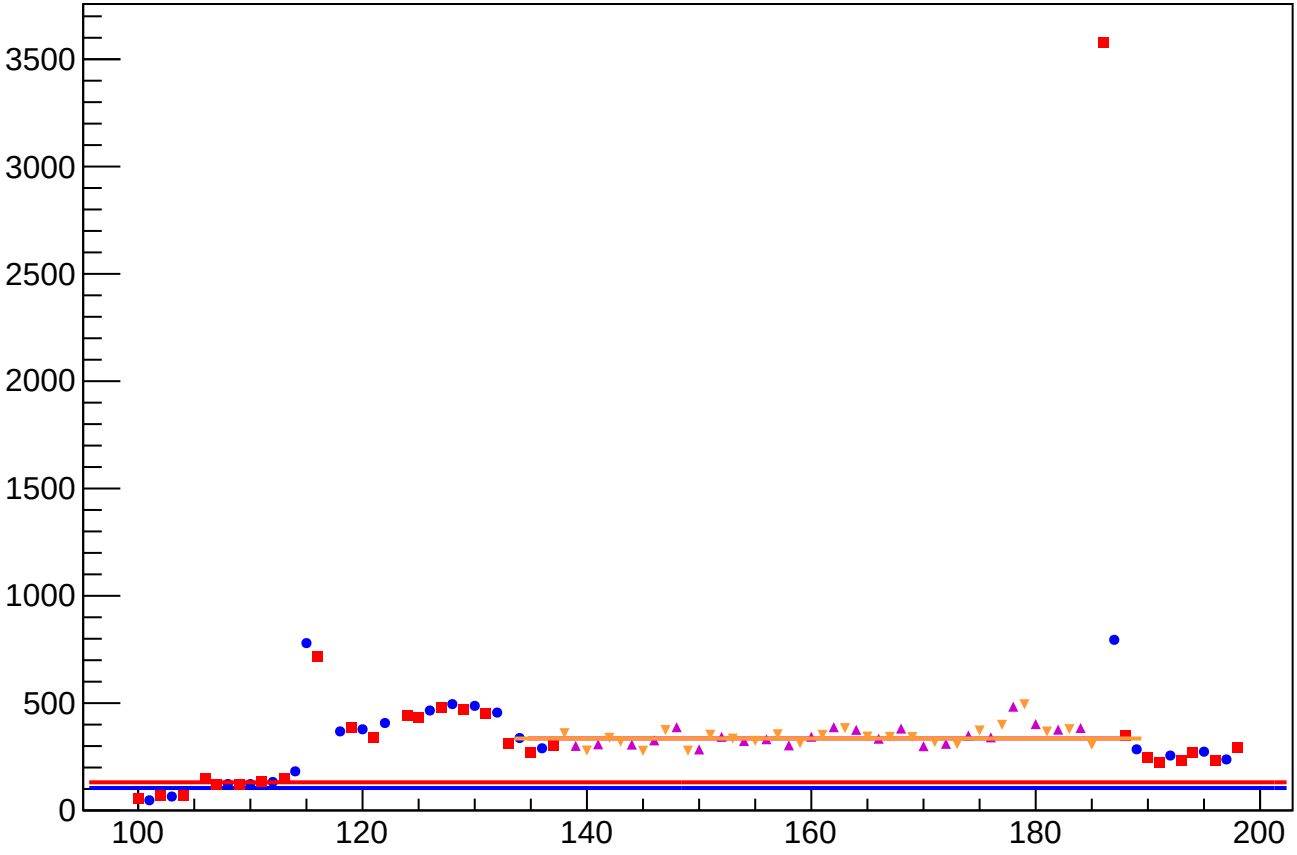
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -12.757+/-38.409 χ^2/NDF: 46.9/45

All: -8.823+/-27.713 χ^2/NDF: 103.0/95

- sign -4.552+/-40.026 χ^2/NDF: 56.1/49

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 104.481+/-0.031 χ^2/NDF: 9370294.7/20

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 131.121+/-0.033 χ^2/NDF: 9046046.6/26

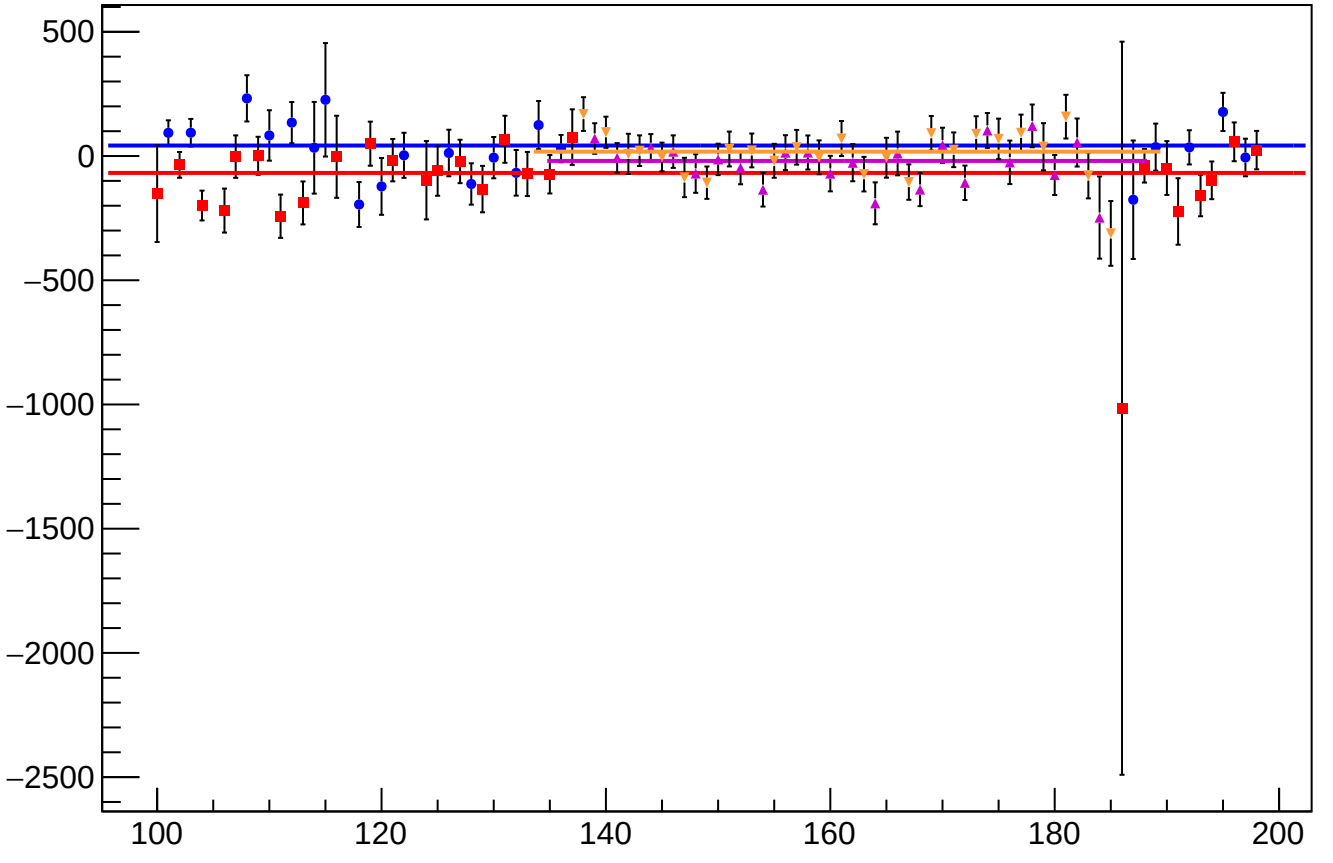
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 161.776+/-0.027 χ^2/NDF: 23410043.7/45

All: 172.101+/-0.020 χ^2/NDF: 43170476.5/95

- sign 183.314+/-0.028 χ^2/NDF: 19458923.0/49

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 42.274+/-18.006 χ^2/NDF: 27.7/20

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -67.960+/-16.759 χ^2/NDF: 29.7/26

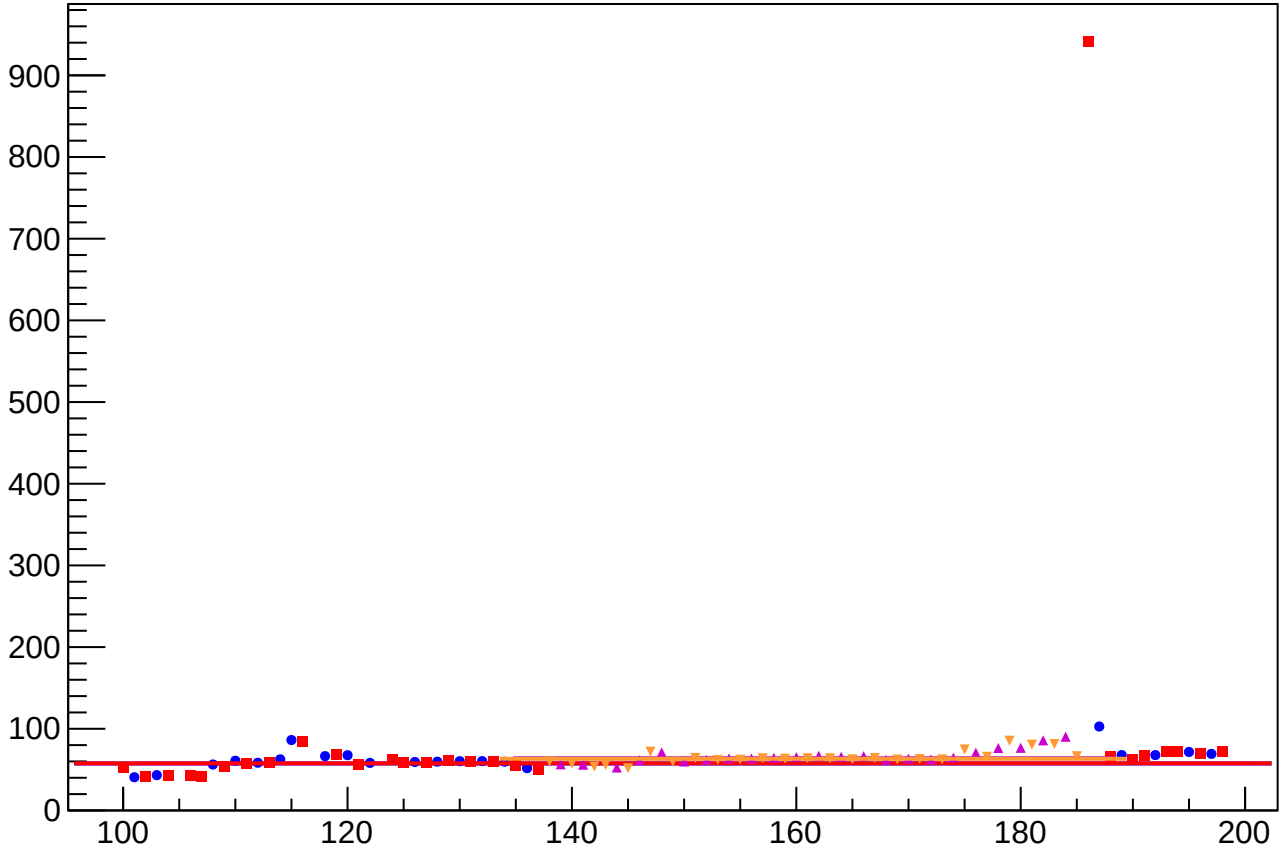
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 27.426+/-11.291 χ^2/NDF: 60.4/45

All: -7.183+/-7.949 χ^2/NDF: 139.6/95

- sign -41.196+/-11.194 χ^2/NDF: 60.6/49

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 57.485+/-0.013 χ^2/NDF: 711277.3/20

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.681+/-0.012 χ^2/NDF: 1560961.9/26

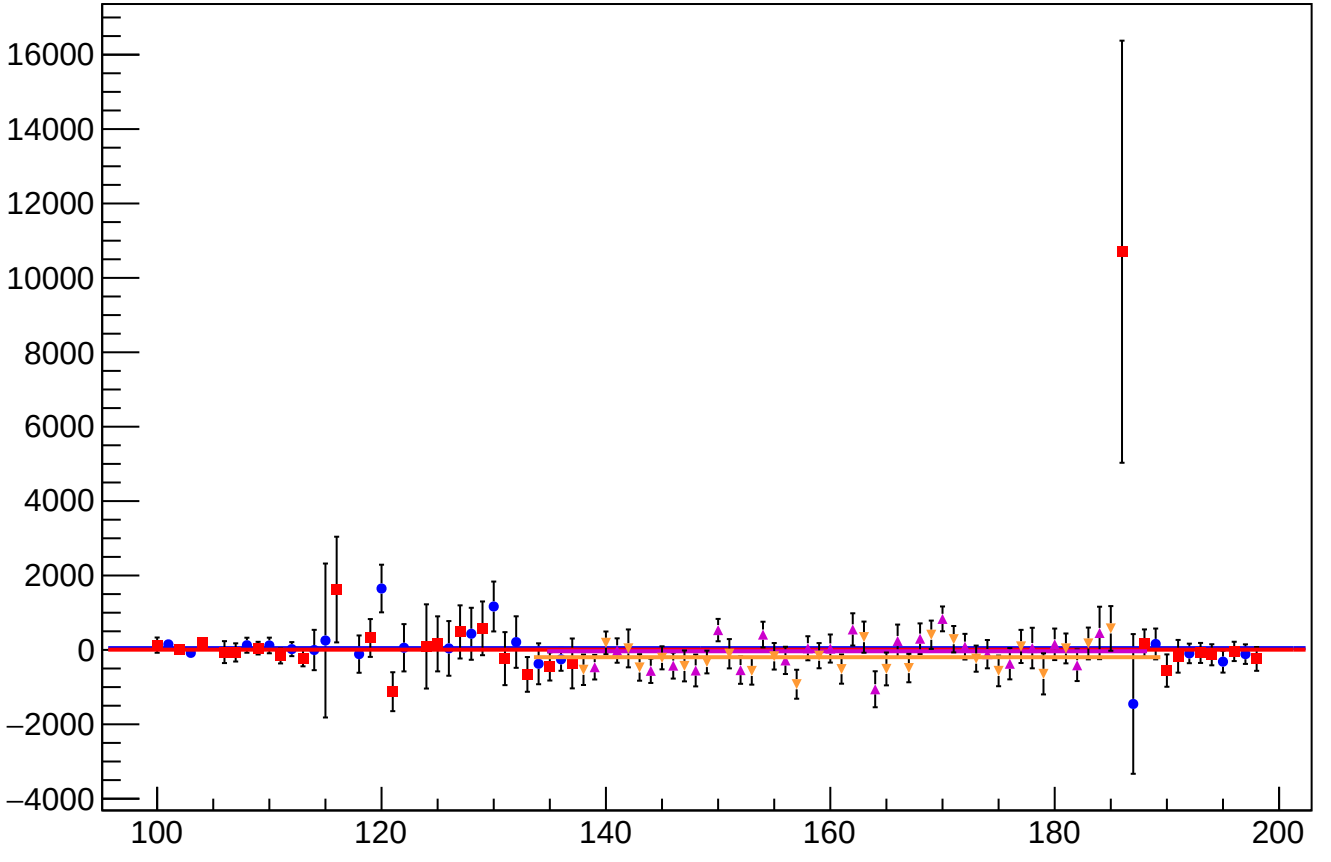
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.021+/-0.008 χ^2/NDF: 1335812.0/45

All: 61.079+/-0.006 χ^2/NDF: 3495615.1/95

- sign 61.136+/-0.008 χ^2/NDF: 2159698.6/49

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 47.737+/-44.299 χ^2/NDF: 18.8/20

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 6.373+/-46.384 χ^2/NDF: 24.8/26

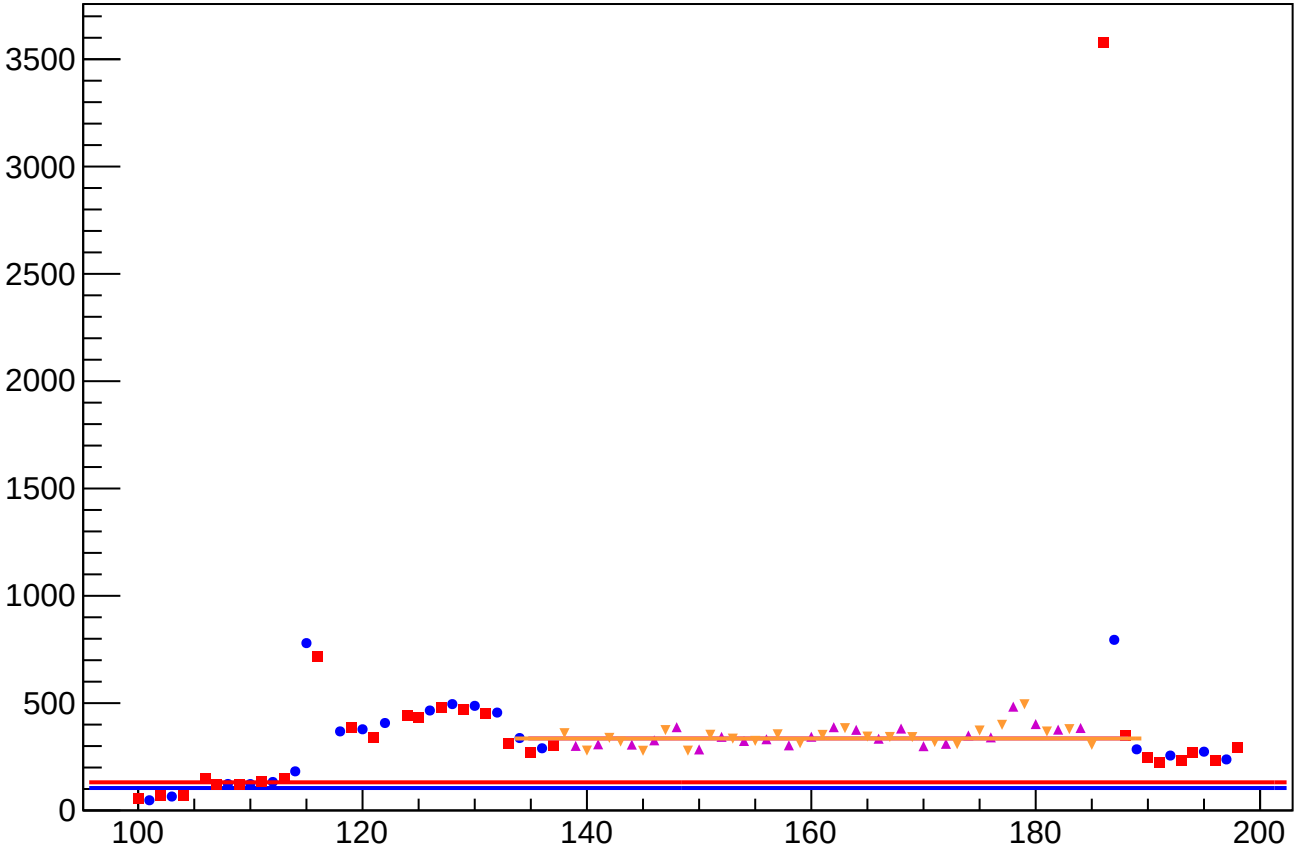
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -12.757+/-38.409 χ^2/NDF: 46.9/45

All: -8.823+/-27.713 χ^2/NDF: 103.0/95

- sign -4.552+/-40.026 χ^2/NDF: 56.1/49

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 104.481+/-0.031 χ^2/NDF: 9370294.7/20

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 131.121+/-0.033 χ^2/NDF: 9046046.6/26

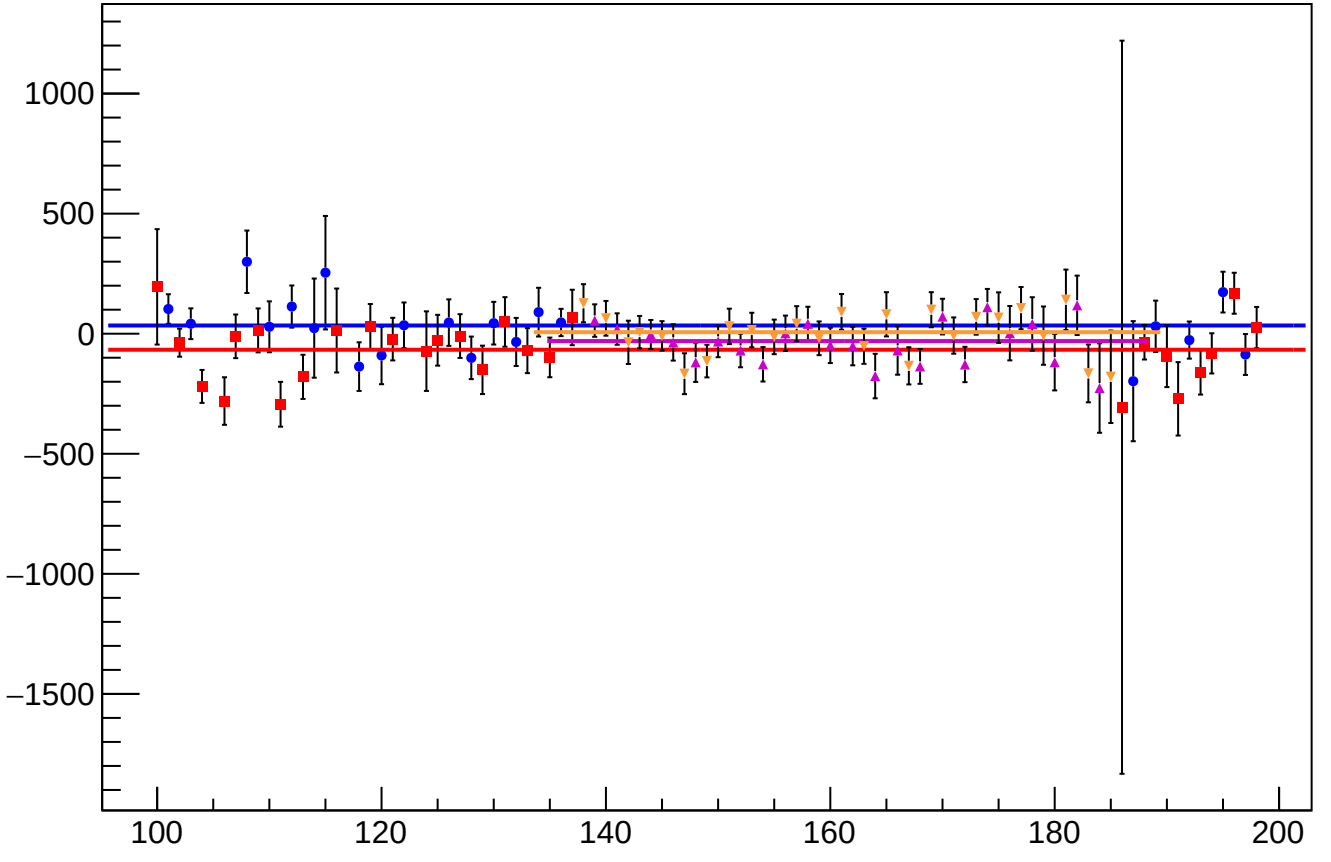
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 161.776+/-0.027 χ^2/NDF: 23410043.7/45

All: 172.101+/-0.020 χ^2/NDF: 43170476.5/95

- sign 183.314+/-0.028 χ^2/NDF: 19458923.0/49

dit_asym_sam_15_avg_mean vs Slug



Right In: 34.179+/-19.918 χ^2/NDF: 20.4/20

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -66.793+/-18.322 χ^2/NDF: 37.0/26

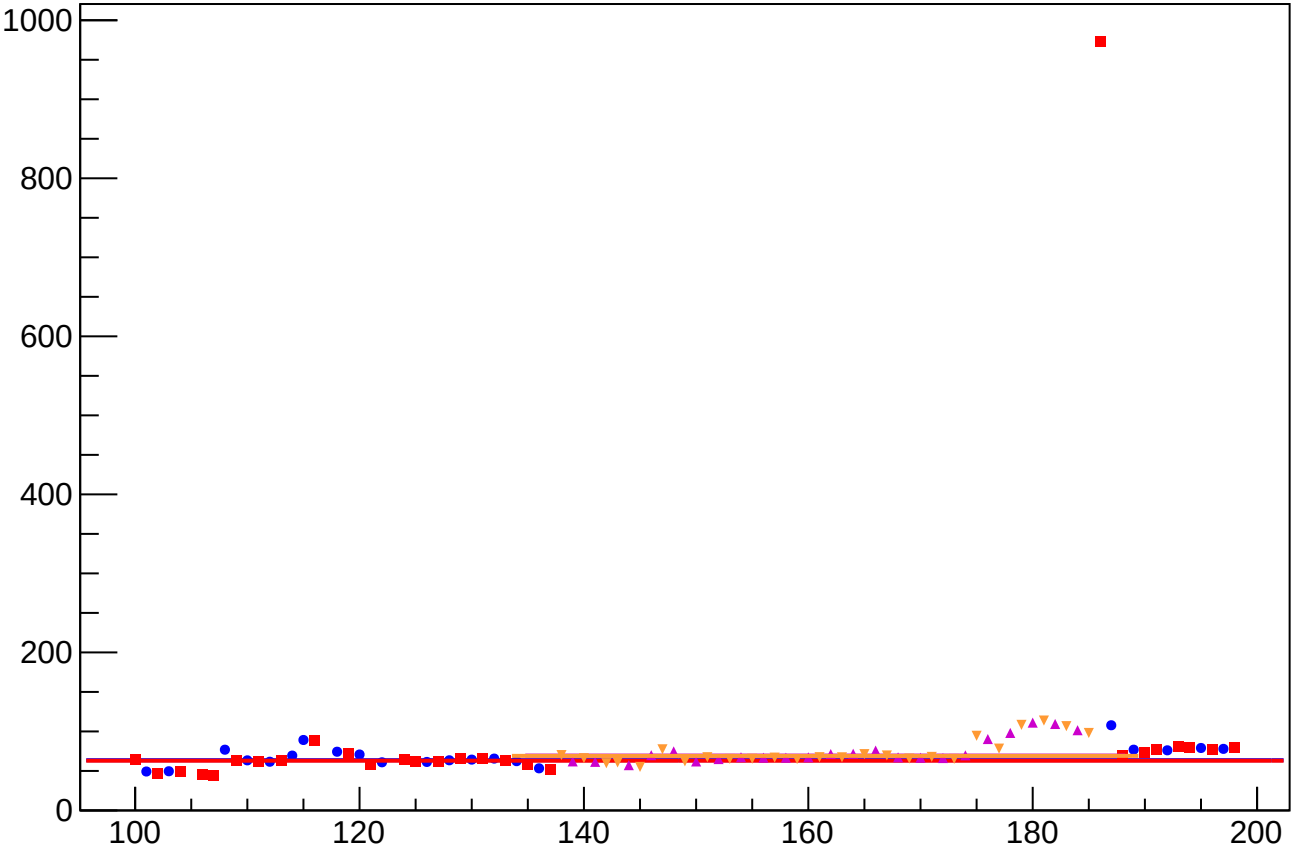
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.319+/-12.463 χ^2/NDF: 46.6/45

All: -15.285+/-8.741 χ^2/NDF: 121.7/95

- sign -46.846+/-12.262 χ^2/NDF: 61.6/49

dit_asym_sam_15_avg_rms vs Slug



Right In: 63.610+/-0.014 χ^2/NDF: 618450.1/20

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 62.974+/-0.013 χ^2/NDF: 1515702.6/26

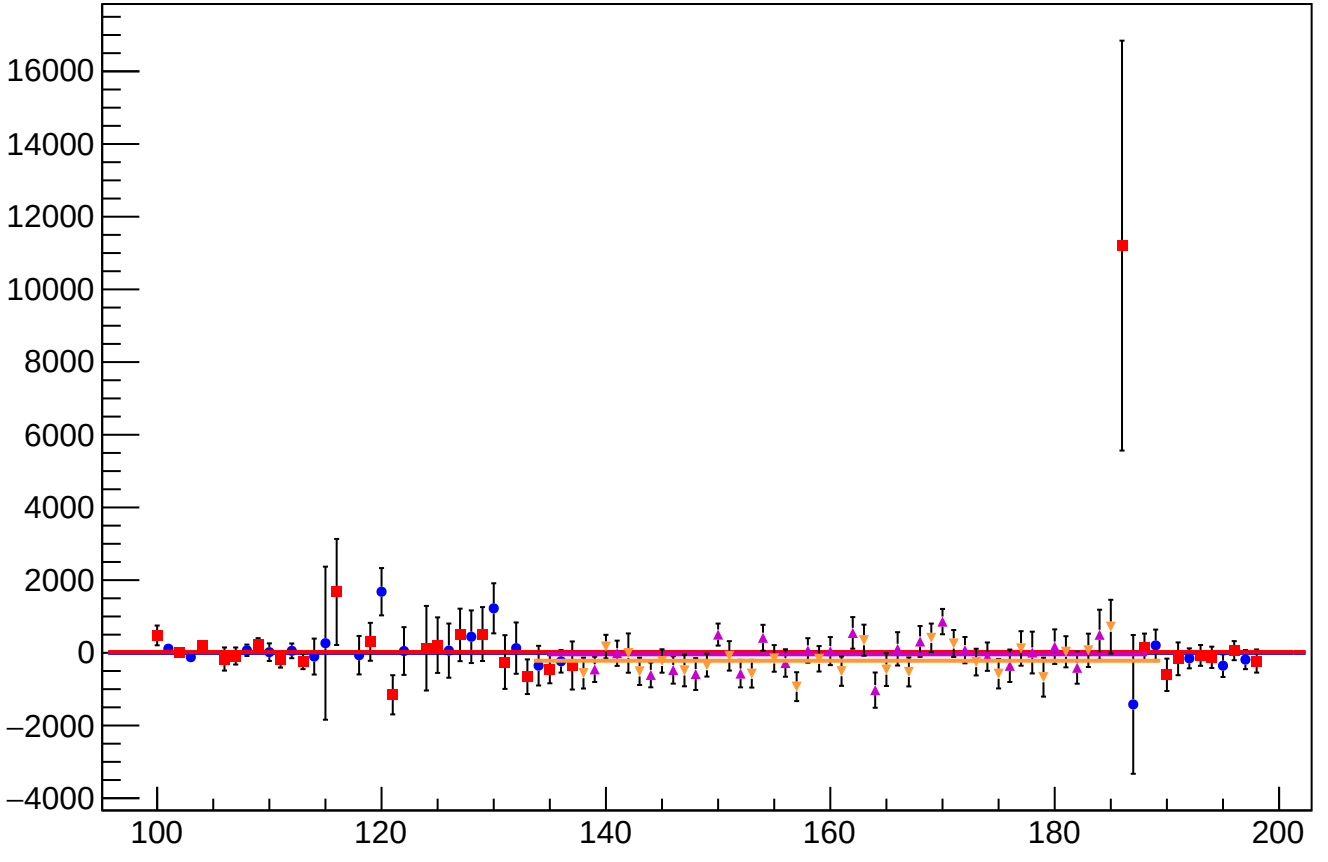
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 66.937+/-0.009 χ^2/NDF: 1784190.4/45

All: 66.736+/-0.006 χ^2/NDF: 4362867.3/95

- sign 66.542+/-0.009 χ^2/NDF: 2577653.9/49

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -1.106+/-50.508 χ^2/NDF: 17.6/20

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 22.039+/-48.880 χ^2/NDF: 28.9/26

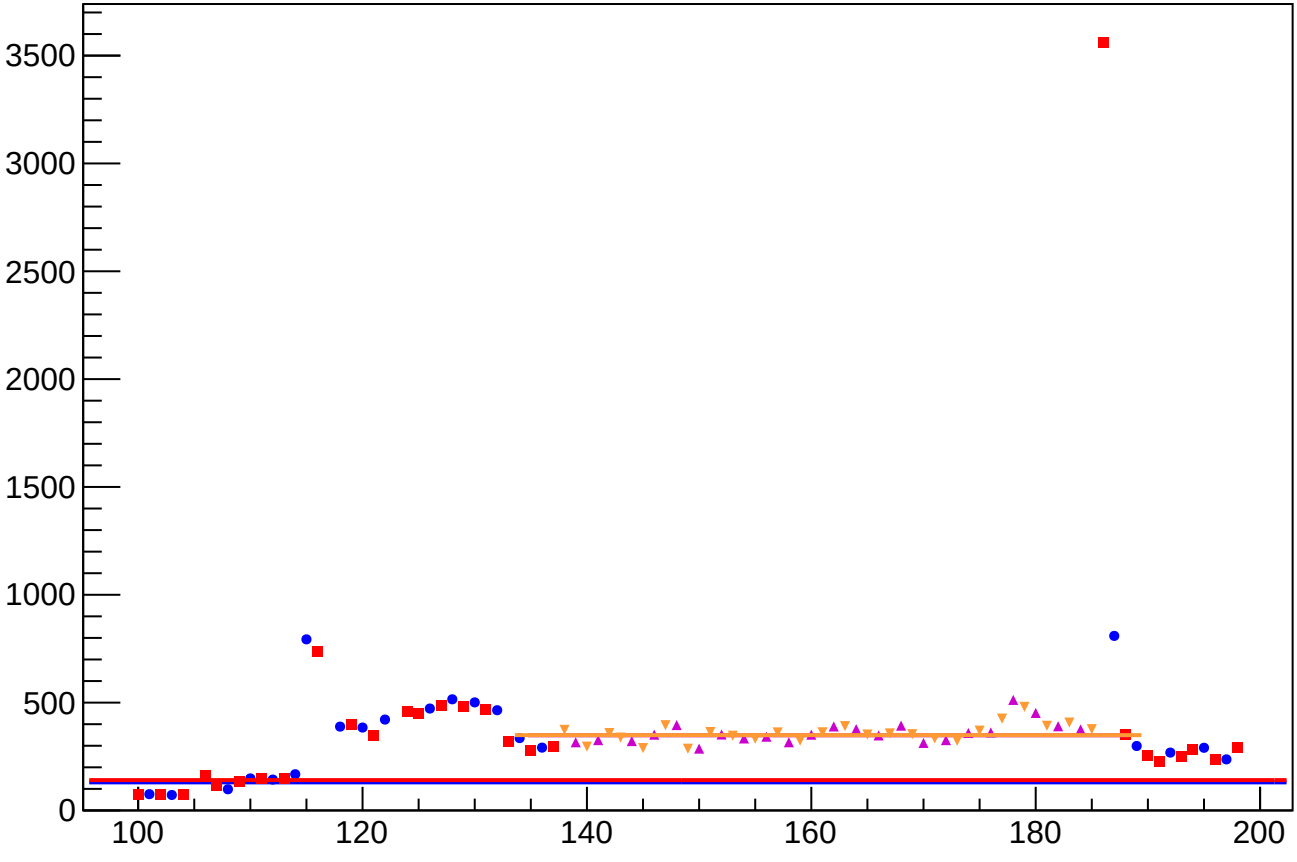
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -62.589+/-42.729 χ^2/NDF: 42.2/45

All: -27.999+/-29.960 χ^2/NDF: 102.8/95

- sign 5.454+/-42.021 χ^2/NDF: 59.3/49

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 130.238+/-0.036 χ^2/NDF: 7736497.7/20

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 140.738+/-0.035 χ^2/NDF: 8608137.7/26

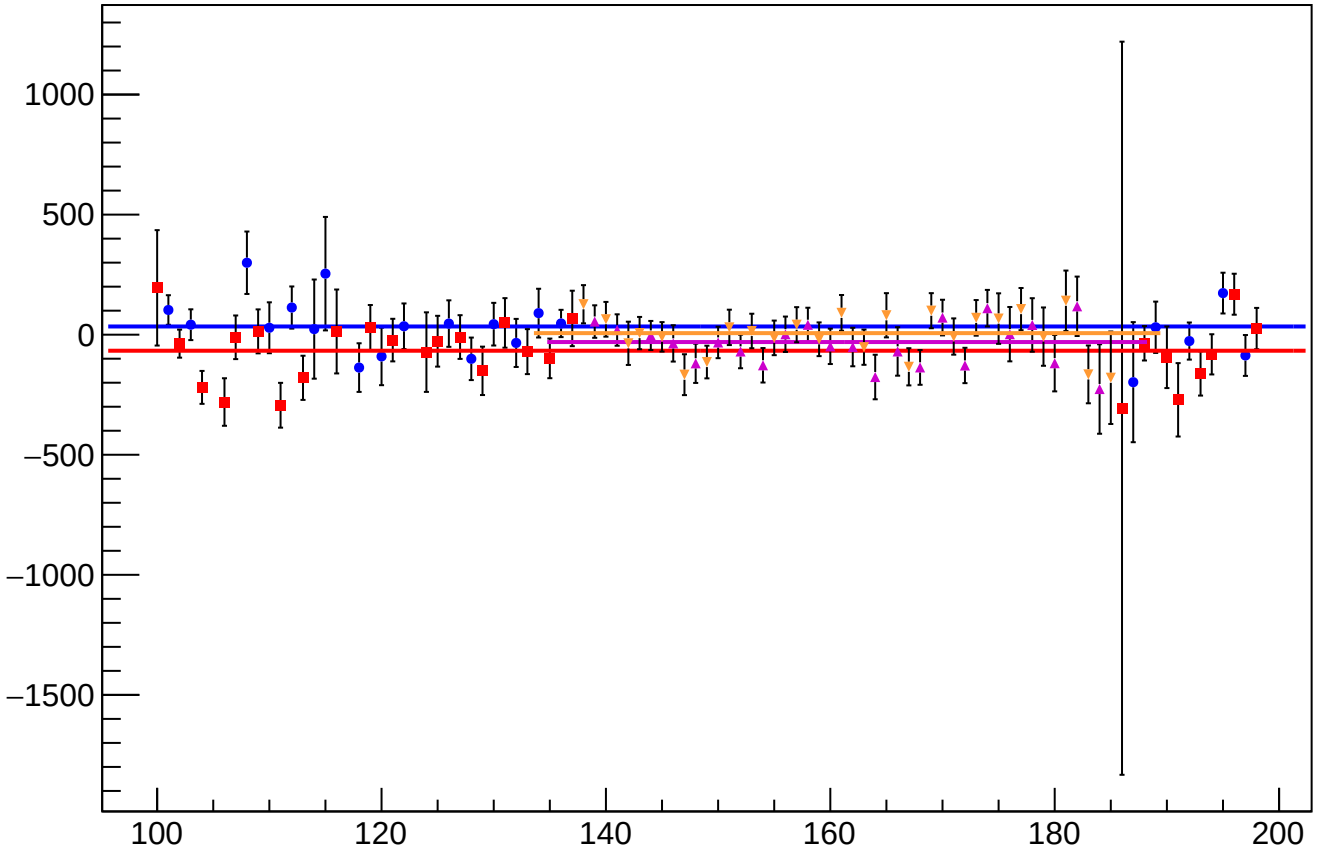
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 192.487+/-0.030 χ^2/NDF: 18945380.4/45

All: 193.751+/-0.021 χ^2/NDF: 37517610.4/95

- sign 194.973+/-0.030 χ^2/NDF: 18568788.3/49

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 34.179+/-19.918 χ^2/NDF: 20.4/20

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -66.793+/-18.322 χ^2/NDF: 37.0/26

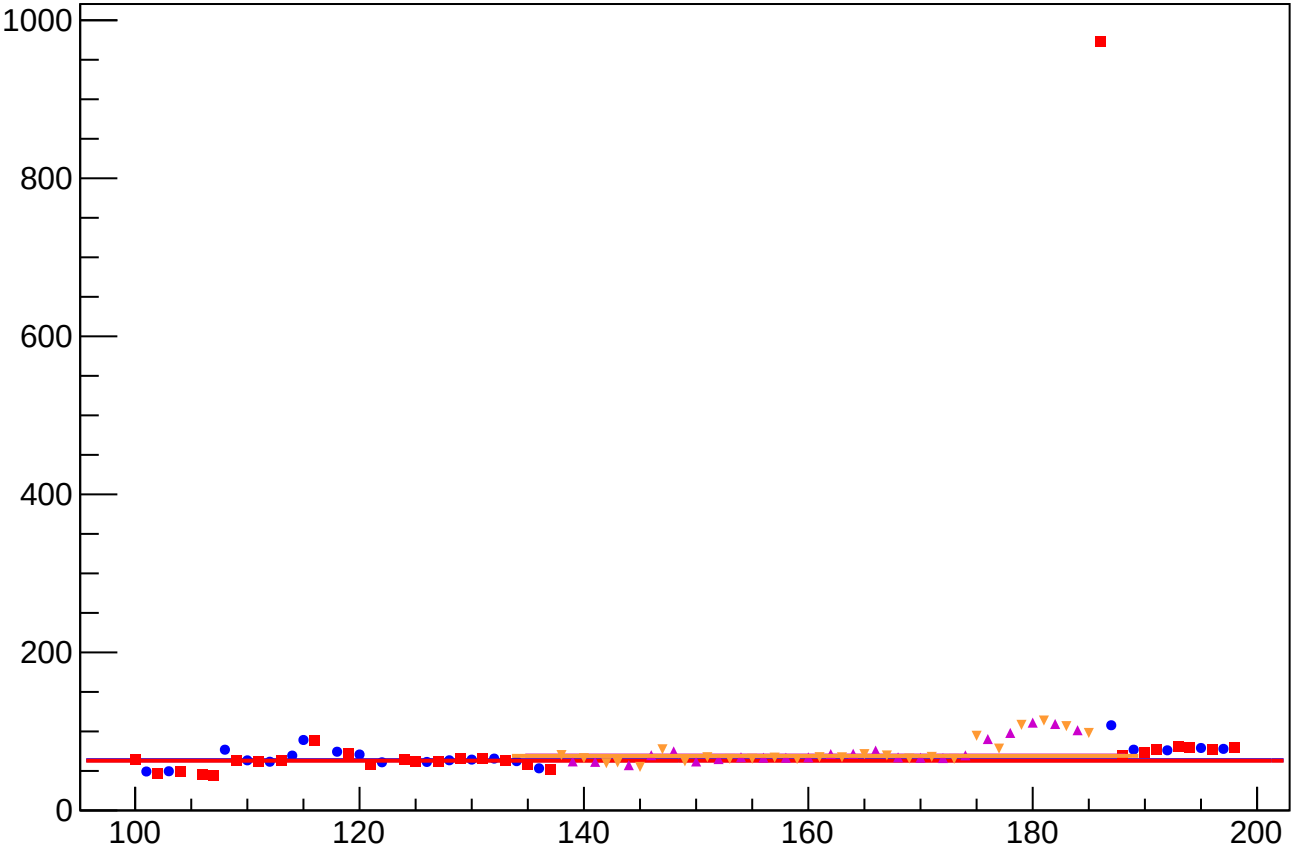
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.319+/-12.463 χ^2/NDF: 46.6/45

All: -15.285+/-8.741 χ^2/NDF: 121.7/95

- sign -46.846+/-12.262 χ^2/NDF: 61.6/49

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 63.610+/-0.014 χ^2/NDF: 618449.7/20

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 62.974+/-0.013 χ^2/NDF: 1515700.1/26

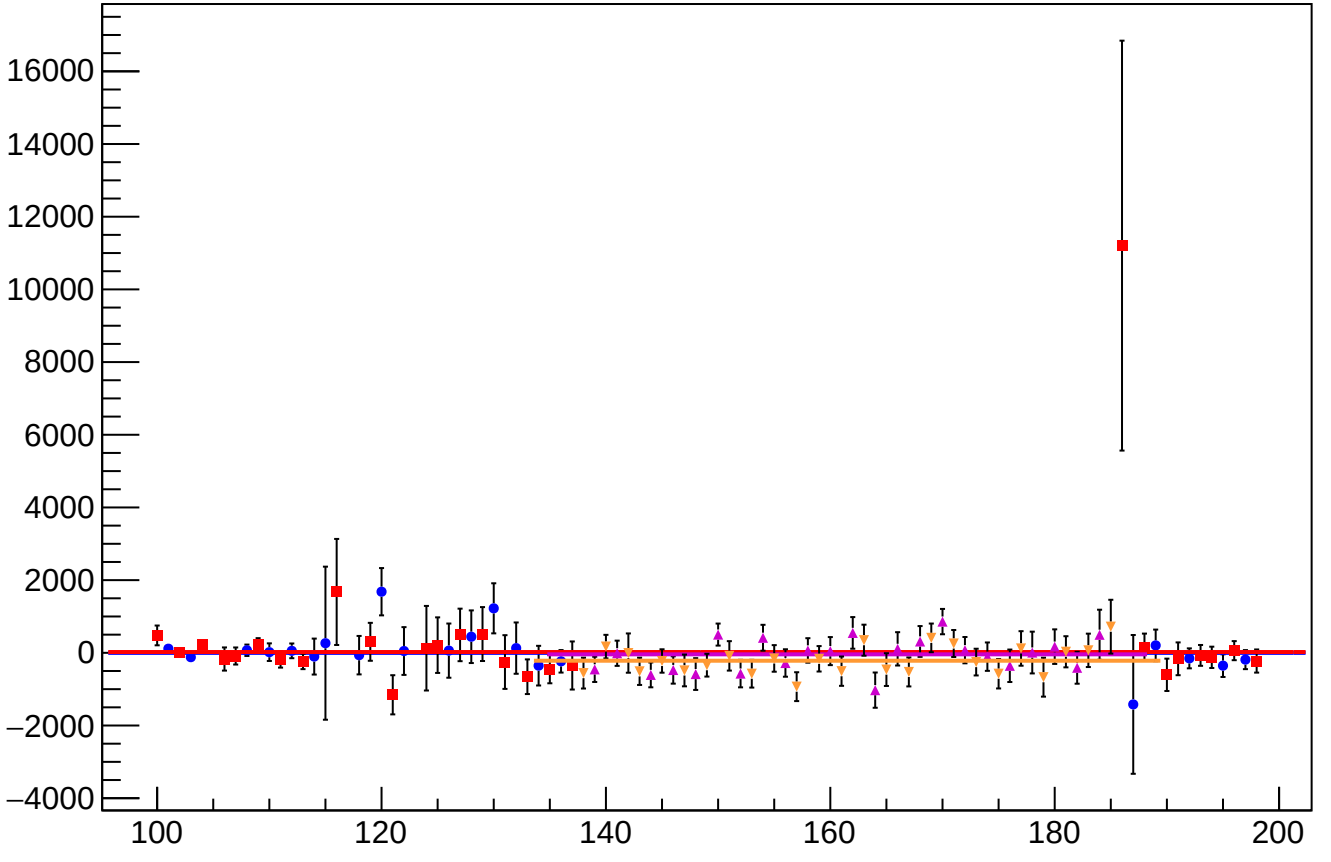
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 66.937+/-0.009 χ^2/NDF: 1784177.7/45

All: 66.736+/-0.006 χ^2/NDF: 4362845.5/95

- sign 66.542+/-0.009 χ^2/NDF: 2577644.9/49

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -1.106+/-50.508 χ^2/NDF: 17.6/20

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 22.039+/-48.880 χ^2/NDF: 28.9/26

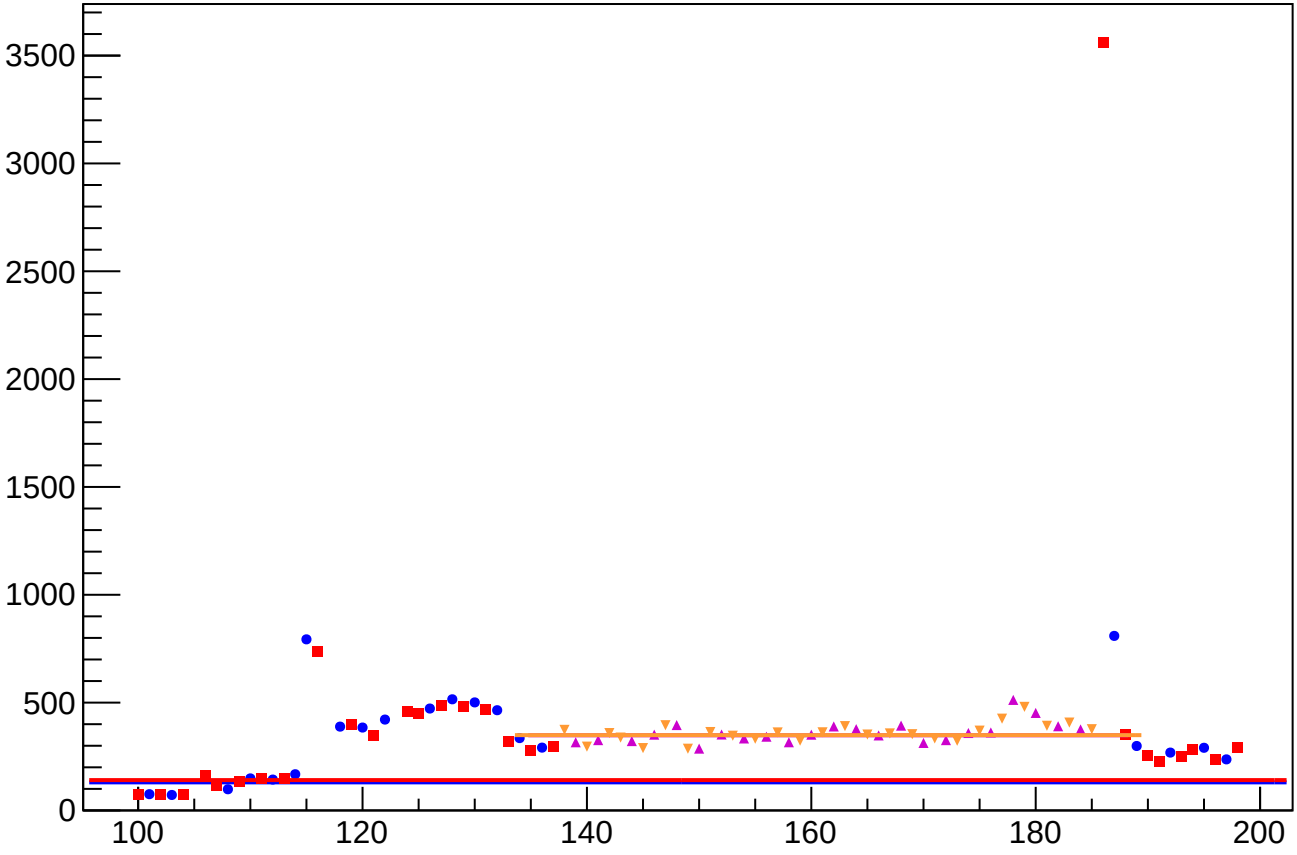
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -62.589+/-42.729 χ^2/NDF: 42.2/45

All: -27.999+/-29.960 χ^2/NDF: 102.8/95

- sign 5.454+/-42.021 χ^2/NDF: 59.3/49

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 130.238+/-0.036 χ^2/NDF: 7736501.3/20

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 140.737+/-0.035 χ^2/NDF: 8608167.4/26

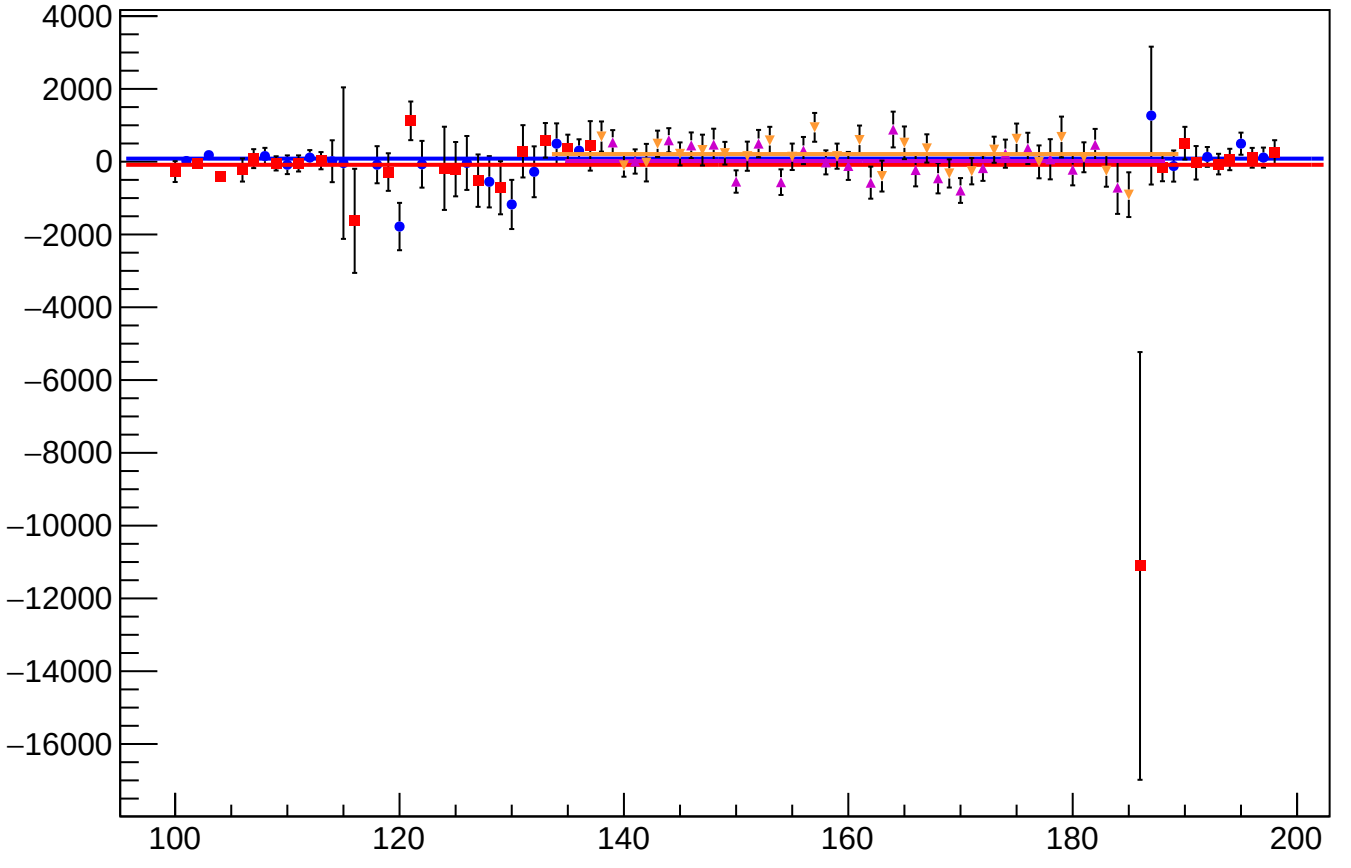
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 192.487+/-0.030 χ^2/NDF: 18945442.8/45

All: 193.751+/-0.021 χ^2/NDF: 37517775.3/95

- sign 194.973+/-0.030 χ^2/NDF: 18568891.2/49

asym_sam_15_avg_mean vs Slug



Right In: 83.996+/-55.139 χ^2/NDF: 18.3/20

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -85.673+/-52.596 χ^2/NDF: 28.7/26

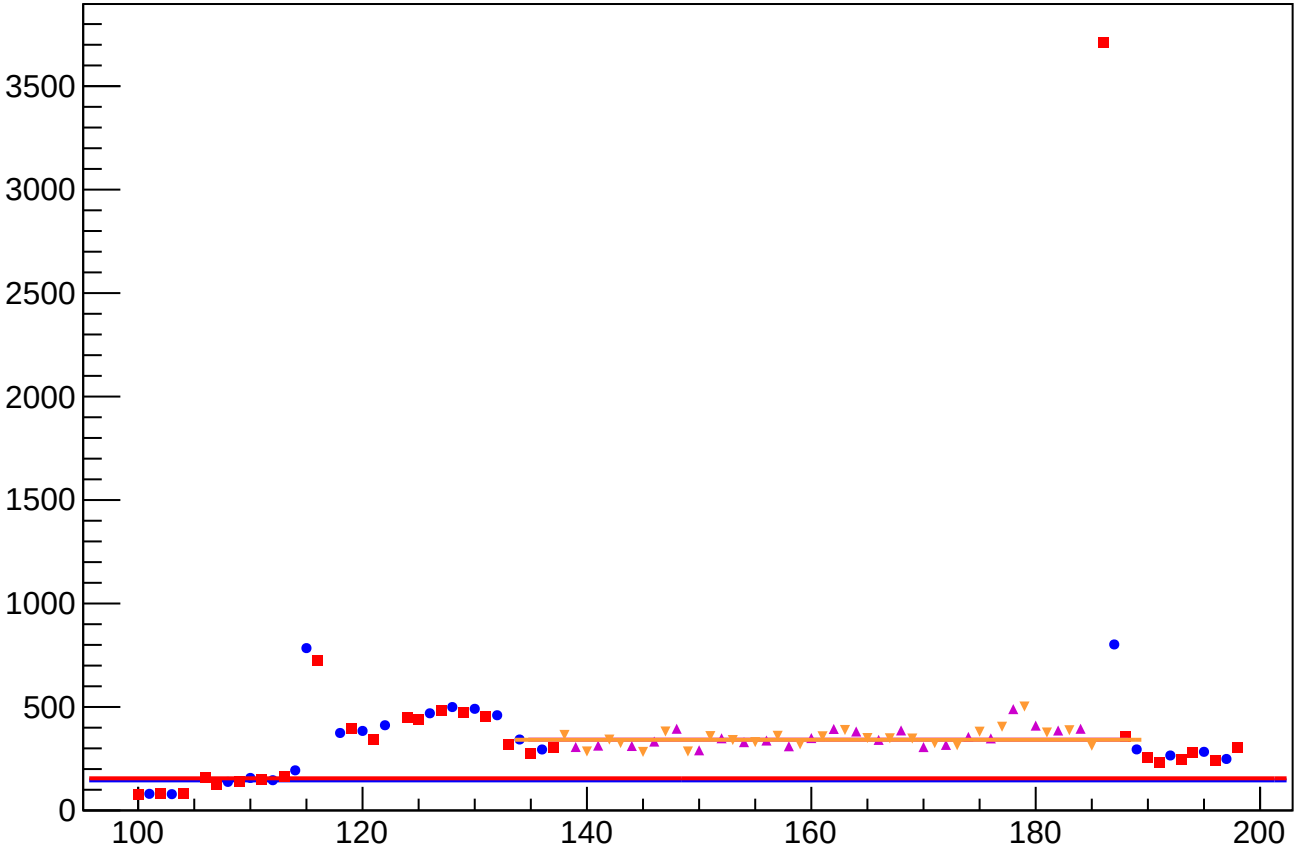
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 125.557+/-45.123 χ^2/NDF: 41.5/45

All: 33.367+/-31.525 χ^2/NDF: 111.5/95

- sign -54.544+/-44.063 χ^2/NDF: 61.9/49

asym_sam_15_avg_rms vs Slug



Right In: 145.354+/-0.039 χ^2/NDF: 7001097.2/20

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

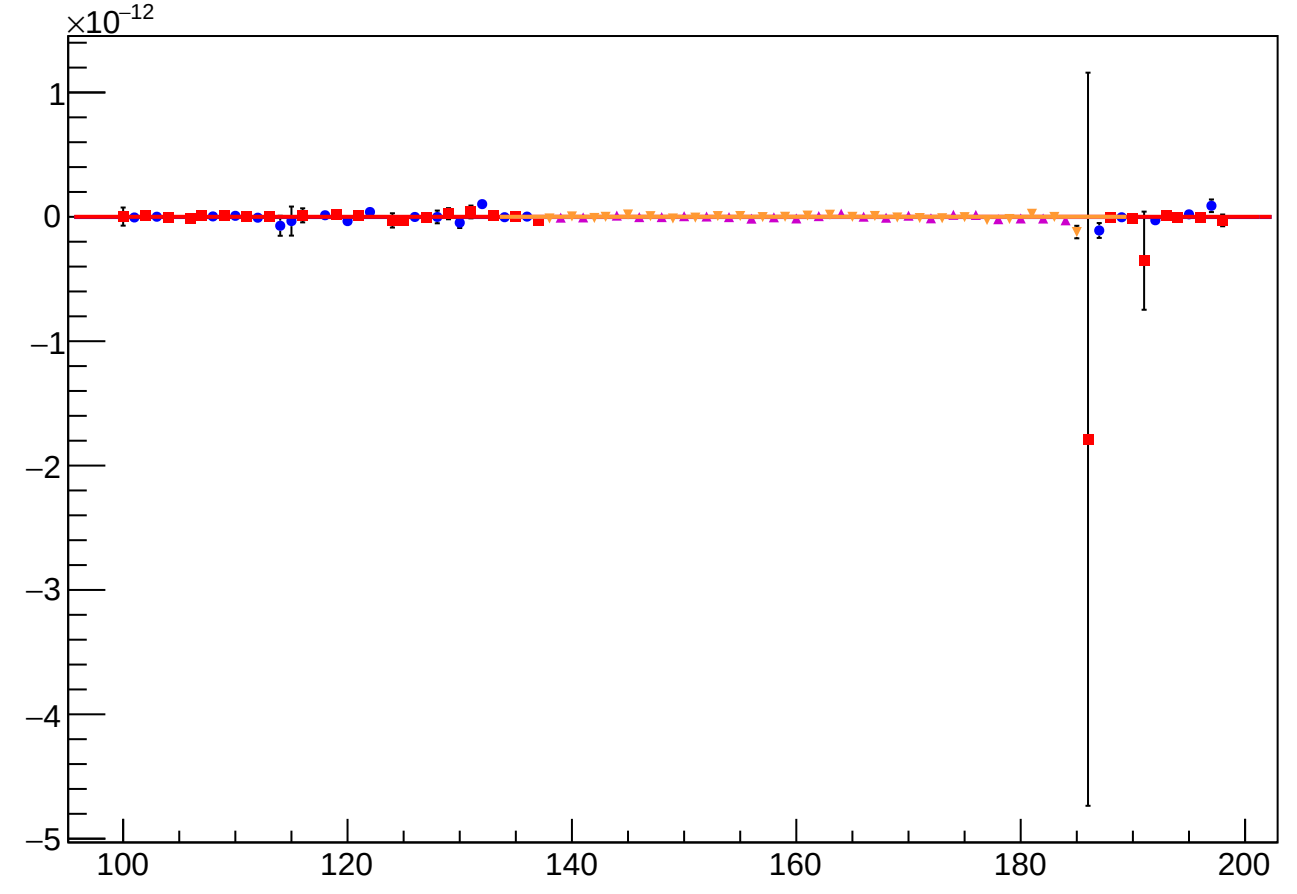
Right Out: 155.286+/-0.037 χ^2/NDF: 7686423.2/26

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 210.171+/-0.032 χ^2/NDF: 15922437.7/45

All: 210.562+/-0.022 χ^2/NDF: 31604567.1/95

- sign 210.935+/-0.031 χ^2/NDF: 15681836.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

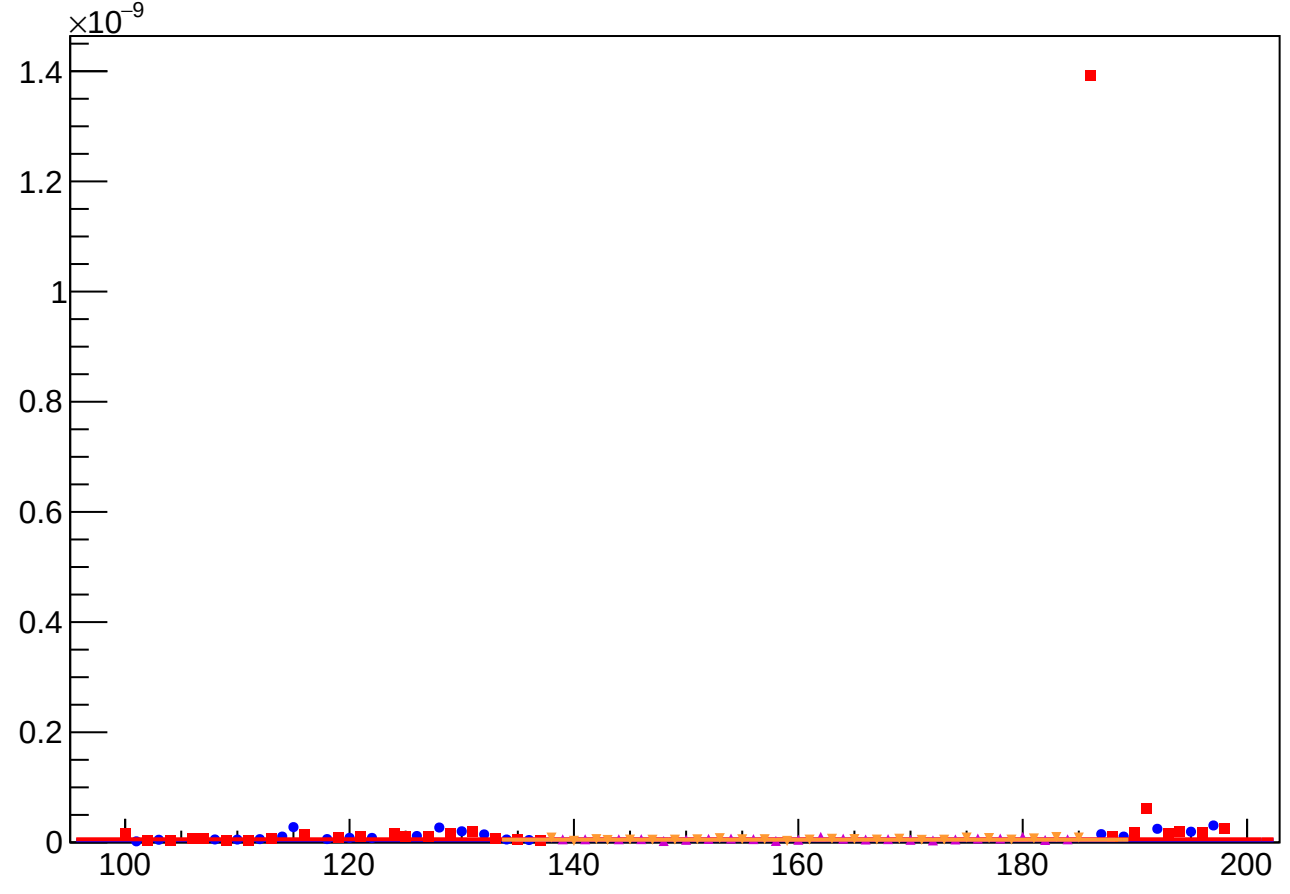
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/26

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.1/45

All: -0.000+/-0.000 χ^2/NDF: 87.2/95

- sign -0.000+/-0.000 χ^2/NDF: 33.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 4062472.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3584775.6/26

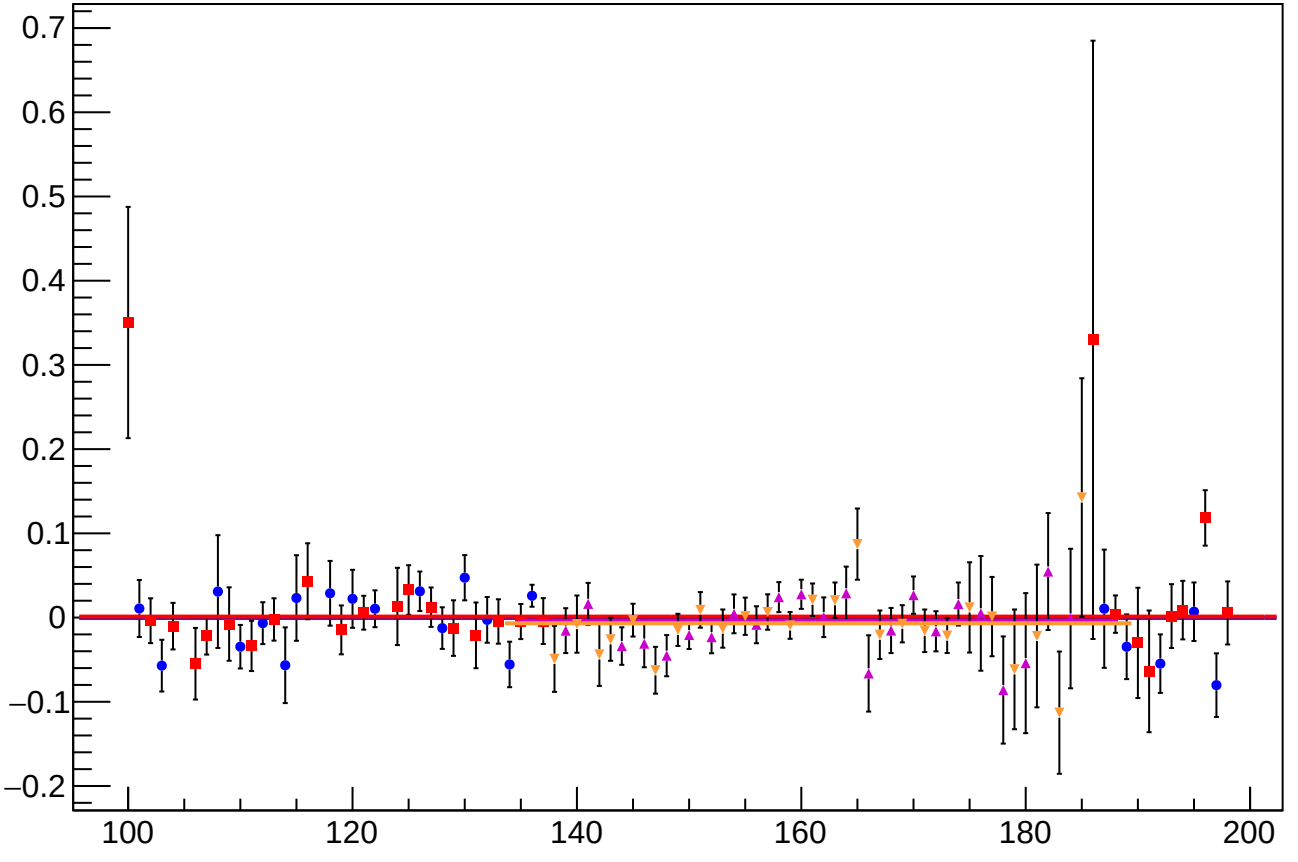
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5545945.2/45

All: 0.000+/-0.000 χ^2/NDF: 10562214.3/95

- sign 0.000+/-0.000 χ^2/NDF: 4894306.0/49

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/26

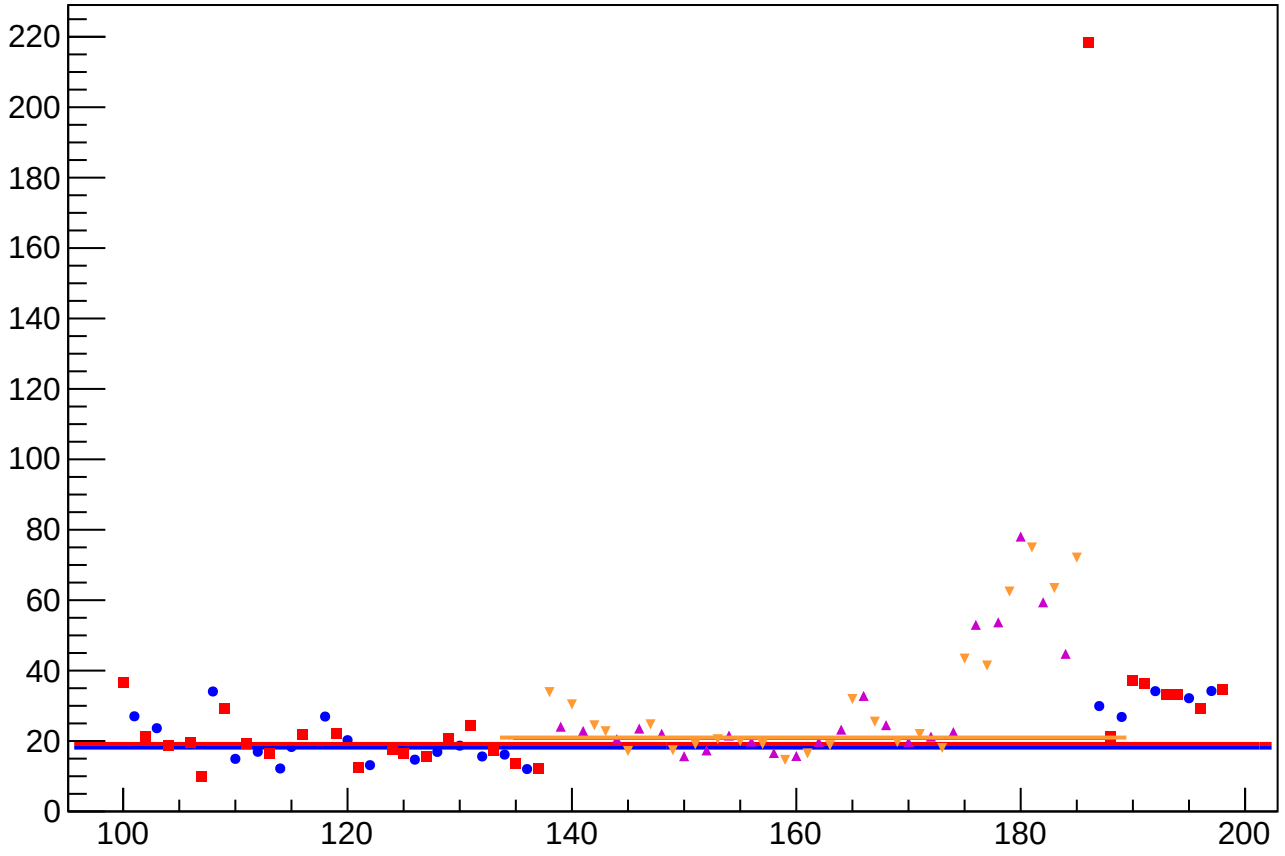
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.2/45

All: -0.003+/-0.003 χ^2/NDF: 104.8/95

- sign -0.002+/-0.004 χ^2/NDF: 52.4/49

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.133+/-0.004 χ^2/NDF: 2387841.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

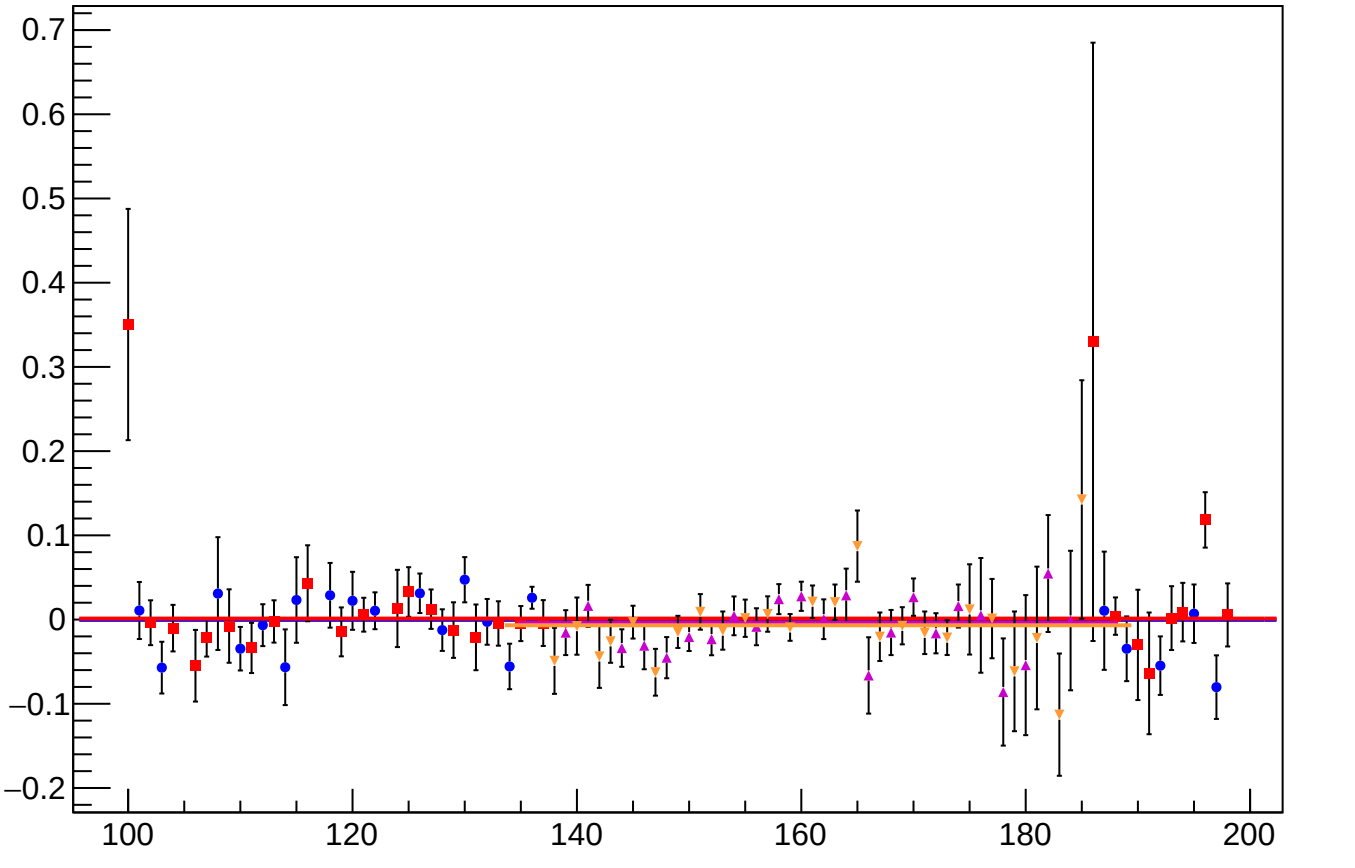
Right Out: 19.172+/-0.004 χ^2/NDF: 3165406.0/26

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.793+/-0.003 χ^2/NDF: 7104747.0/45

All: 19.956+/-0.002 χ^2/NDF: 13902695.4/95

- sign 20.117+/-0.003 χ^2/NDF: 6791258.4/49



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/26

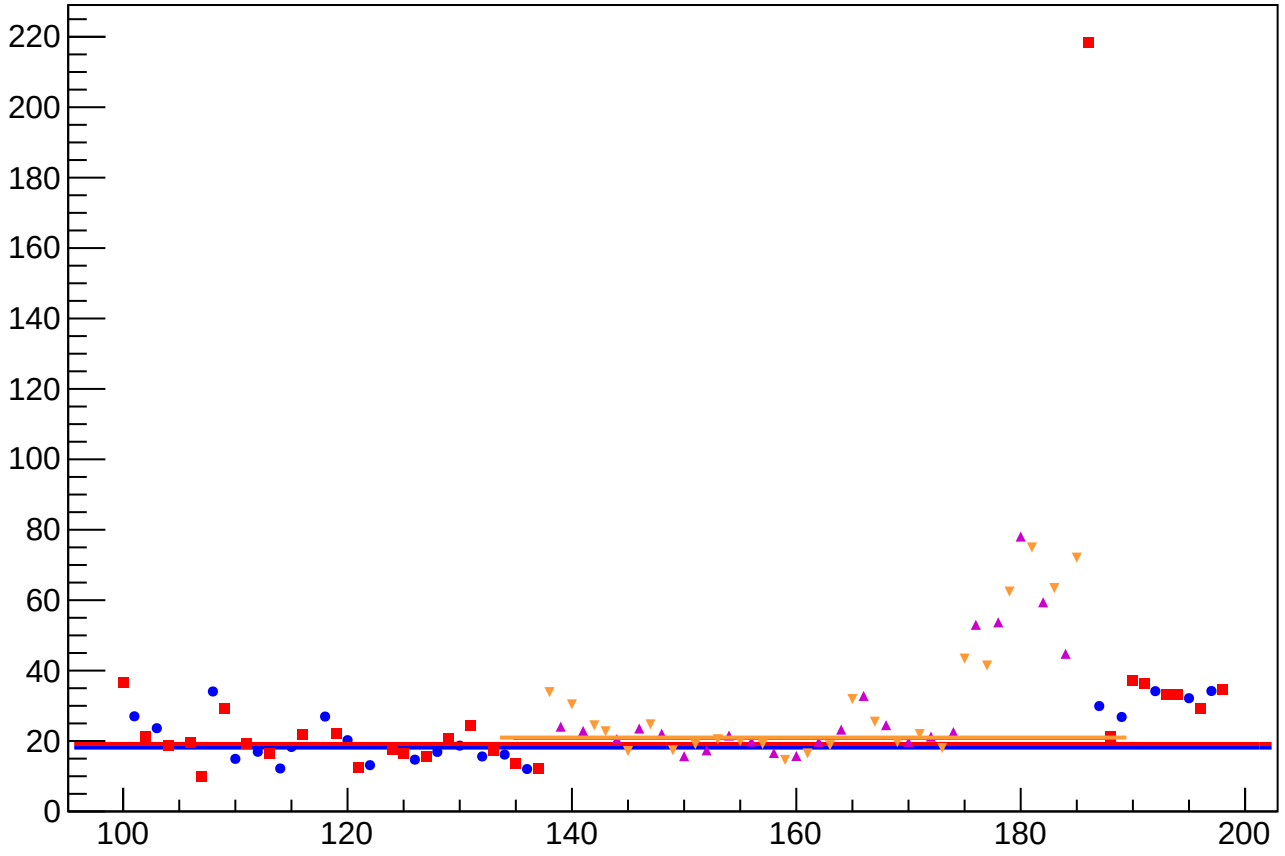
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.2/45

All: -0.003+/-0.003 χ^2/NDF: 104.8/95

- sign -0.002+/-0.004 χ^2/NDF: 52.4/49

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.133+/-0.004 χ^2/NDF: 2387841.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

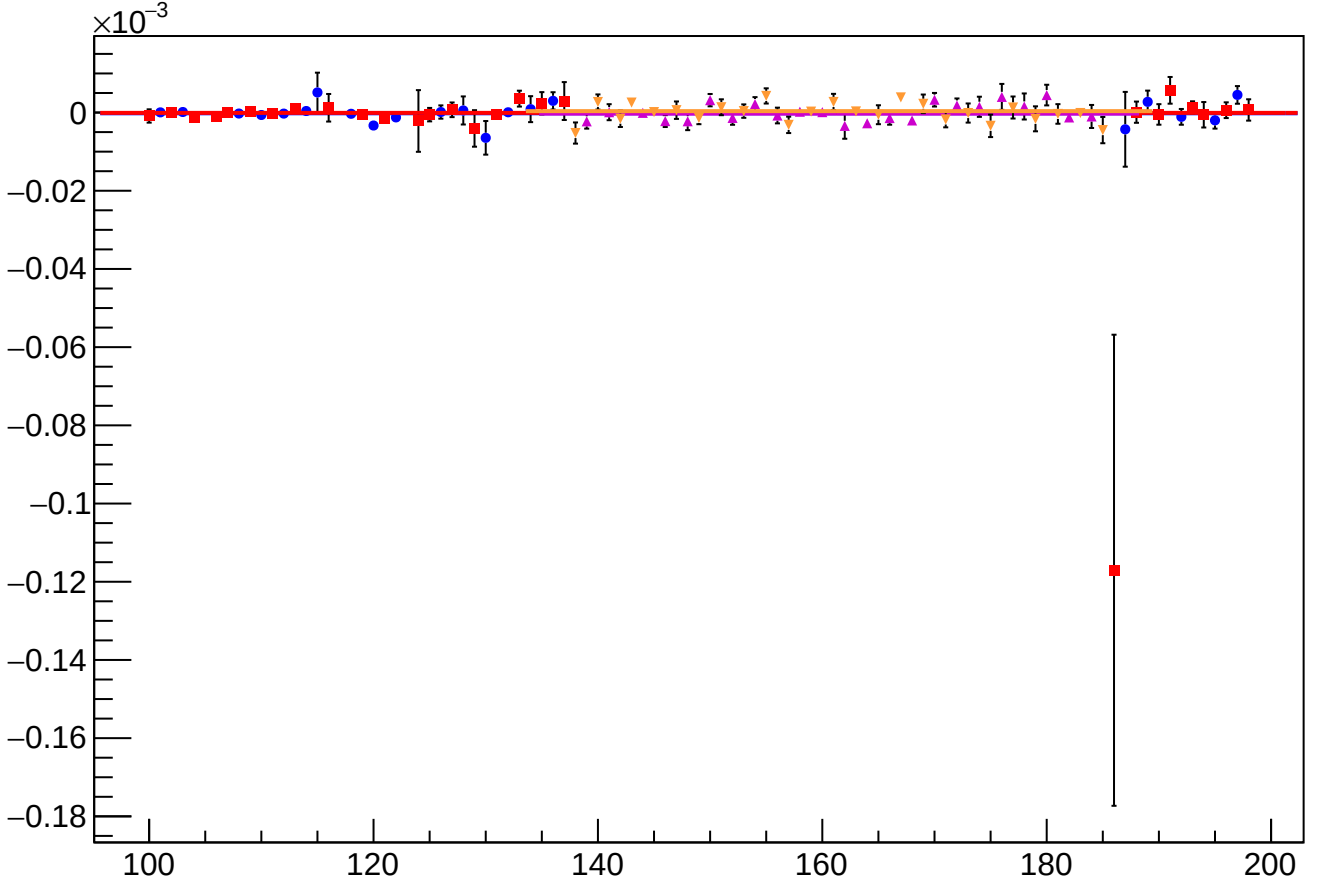
Right Out: 19.172+/-0.004 χ^2/NDF: 3165406.0/26

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.793+/-0.003 χ^2/NDF: 7104747.0/45

All: 19.956+/-0.002 χ^2/NDF: 13902695.4/95

- sign 20.117+/-0.003 χ^2/NDF: 6791258.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

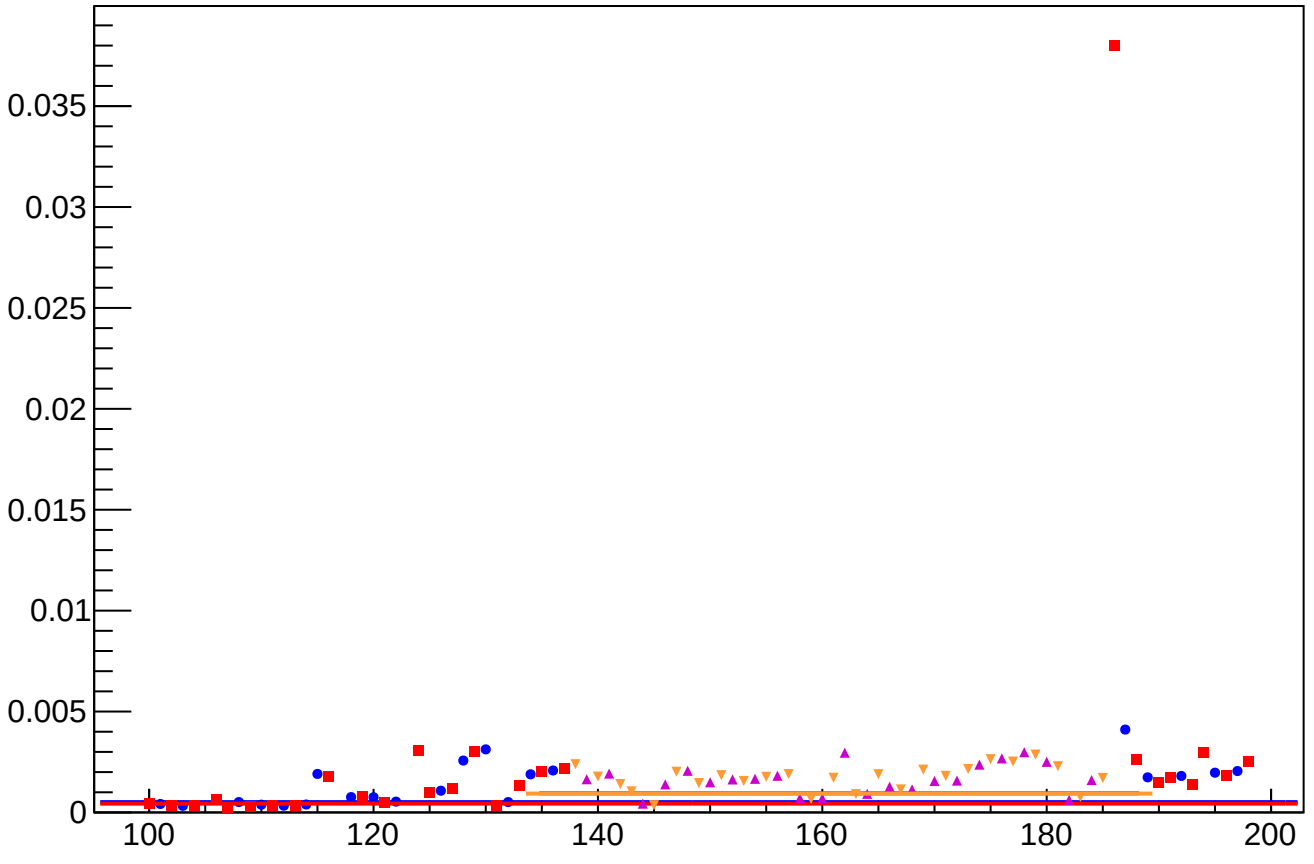
Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/45

All: -0.000+/-0.000 χ^2/NDF: 118.3/95

- sign -0.000+/-0.000 χ^2/NDF: 59.8/49



Right In: 0.001+/-0.000 χ^2/NDF: 7481329.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10932741.9/26

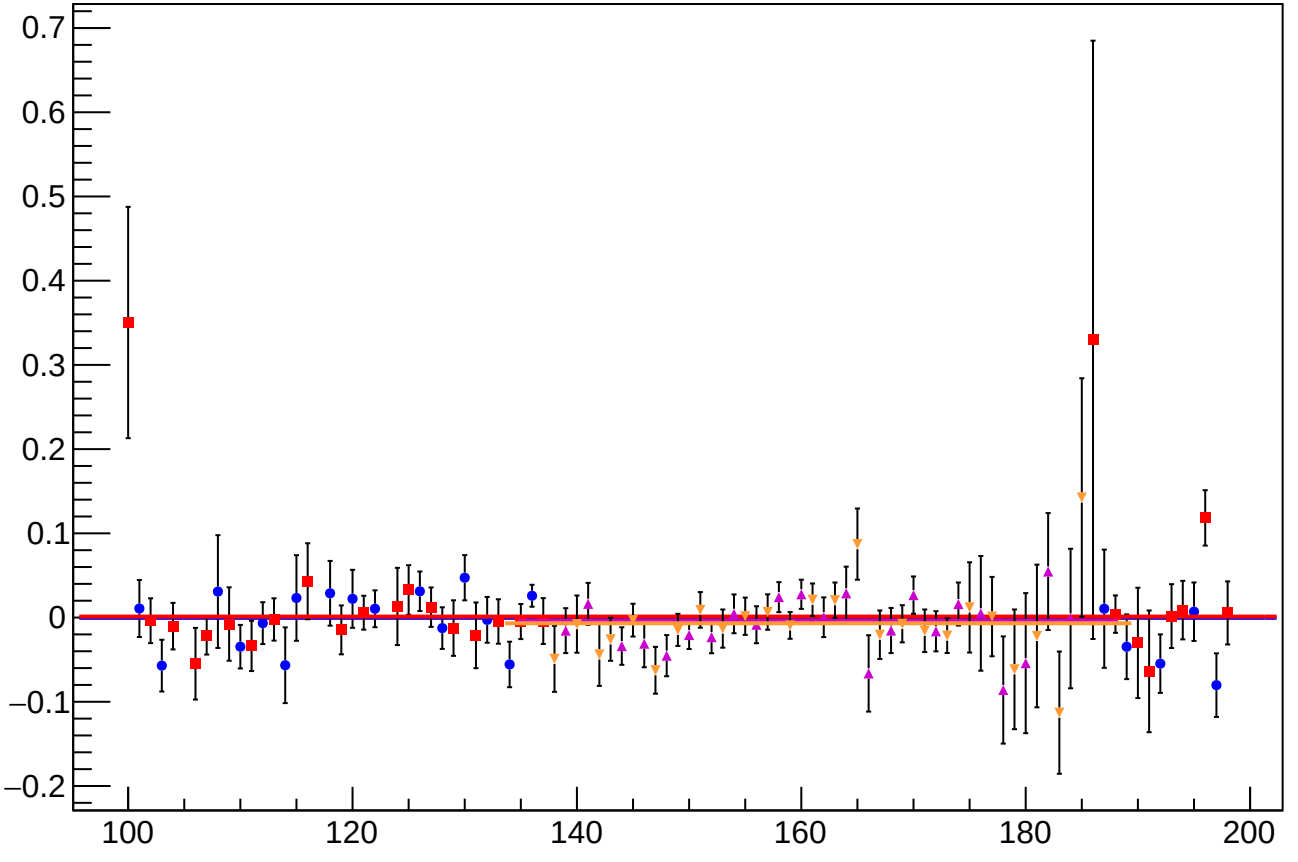
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 22710031.7/45

All: 0.001+/-0.000 χ^2/NDF: 48736741.5/95

- sign 0.001+/-0.000 χ^2/NDF: 25721966.2/49

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/26

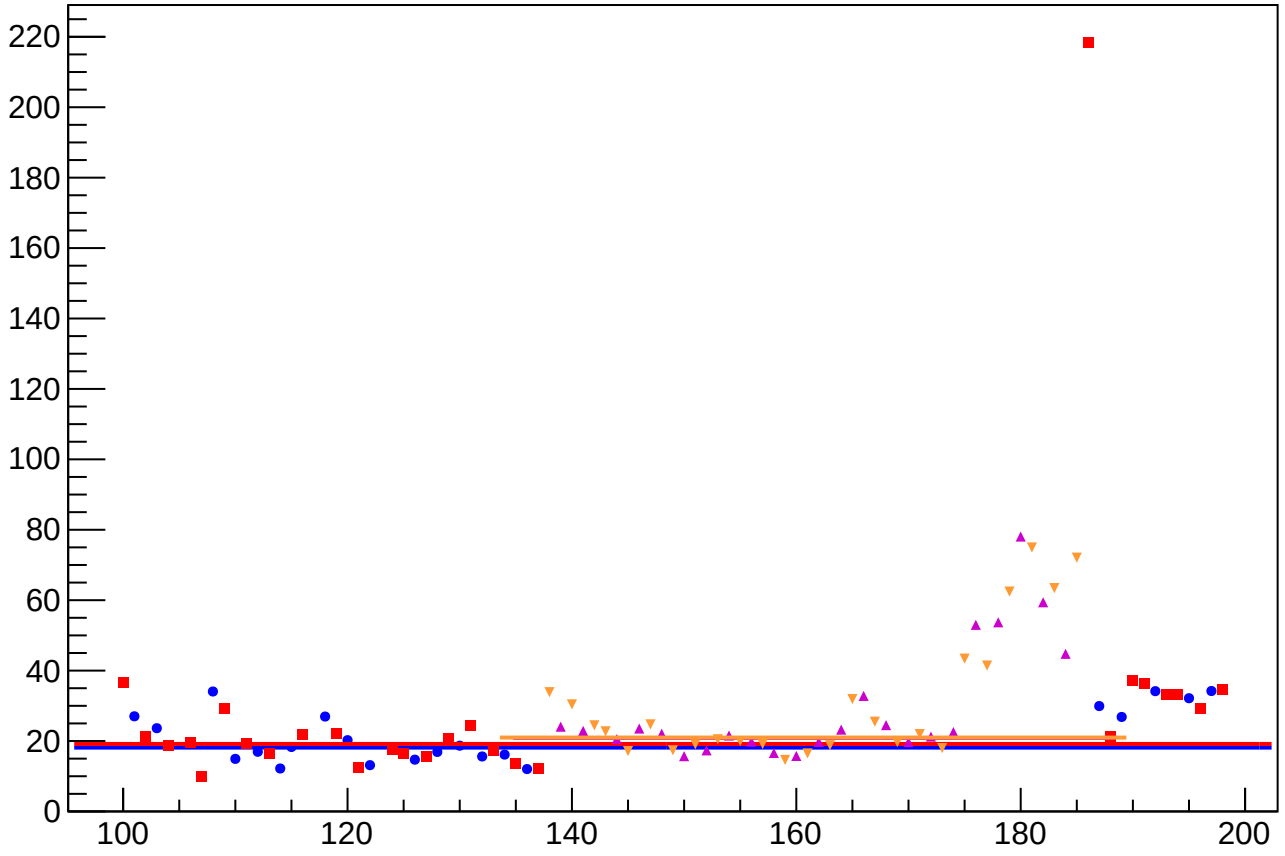
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.2/45

All: -0.003+/-0.003 χ^2/NDF: 104.8/95

- sign -0.002+/-0.004 χ^2/NDF: 52.4/49

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 18.133+/-0.004 χ^2/NDF: 2387861.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

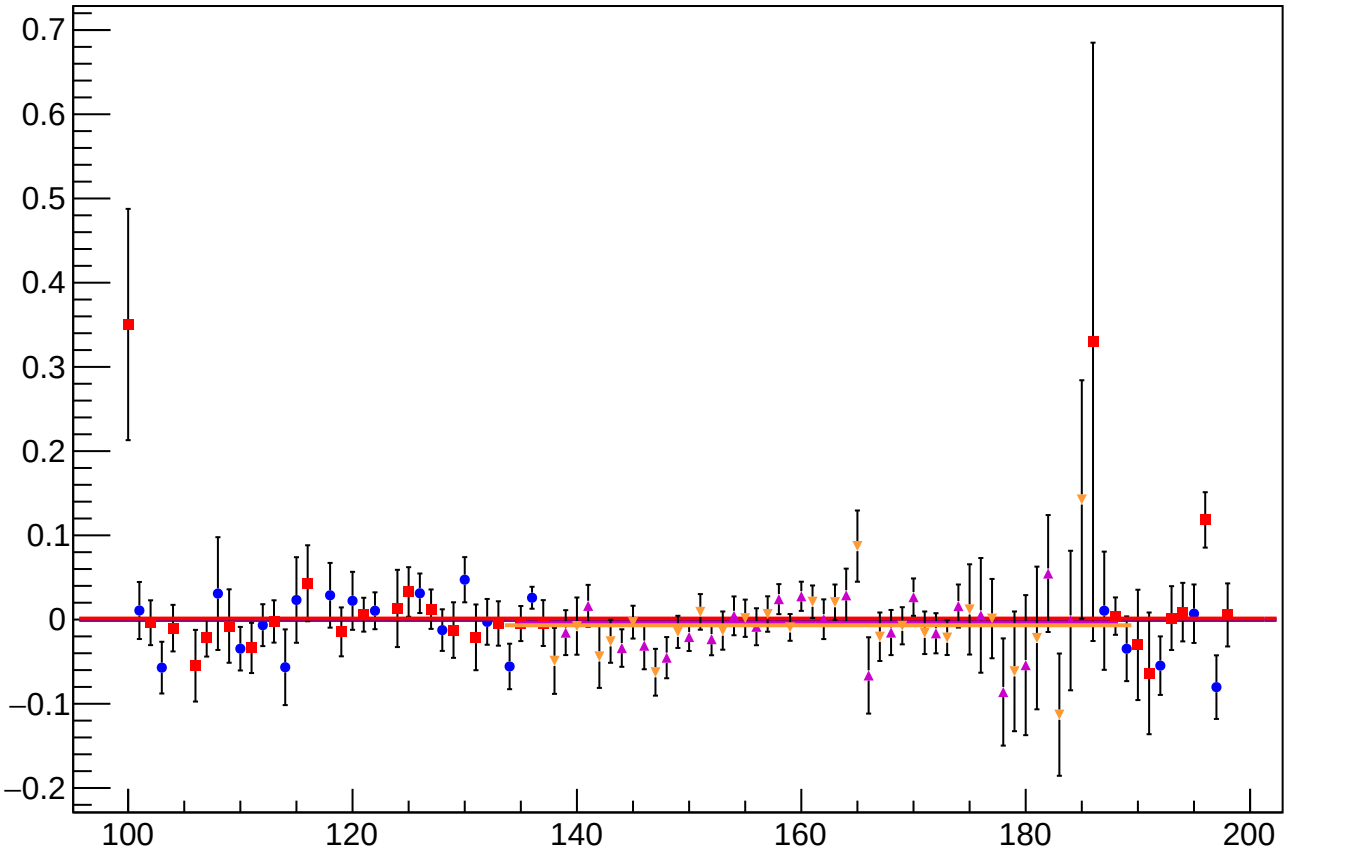
Right Out: 19.172+/-0.004 χ^2/NDF: 3165426.6/26

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.793+/-0.003 χ^2/NDF: 7104795.5/45

All: 19.956+/-0.002 χ^2/NDF: 13902841.2/95

- sign 20.117+/-0.003 χ^2/NDF: 6791358.4/49



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

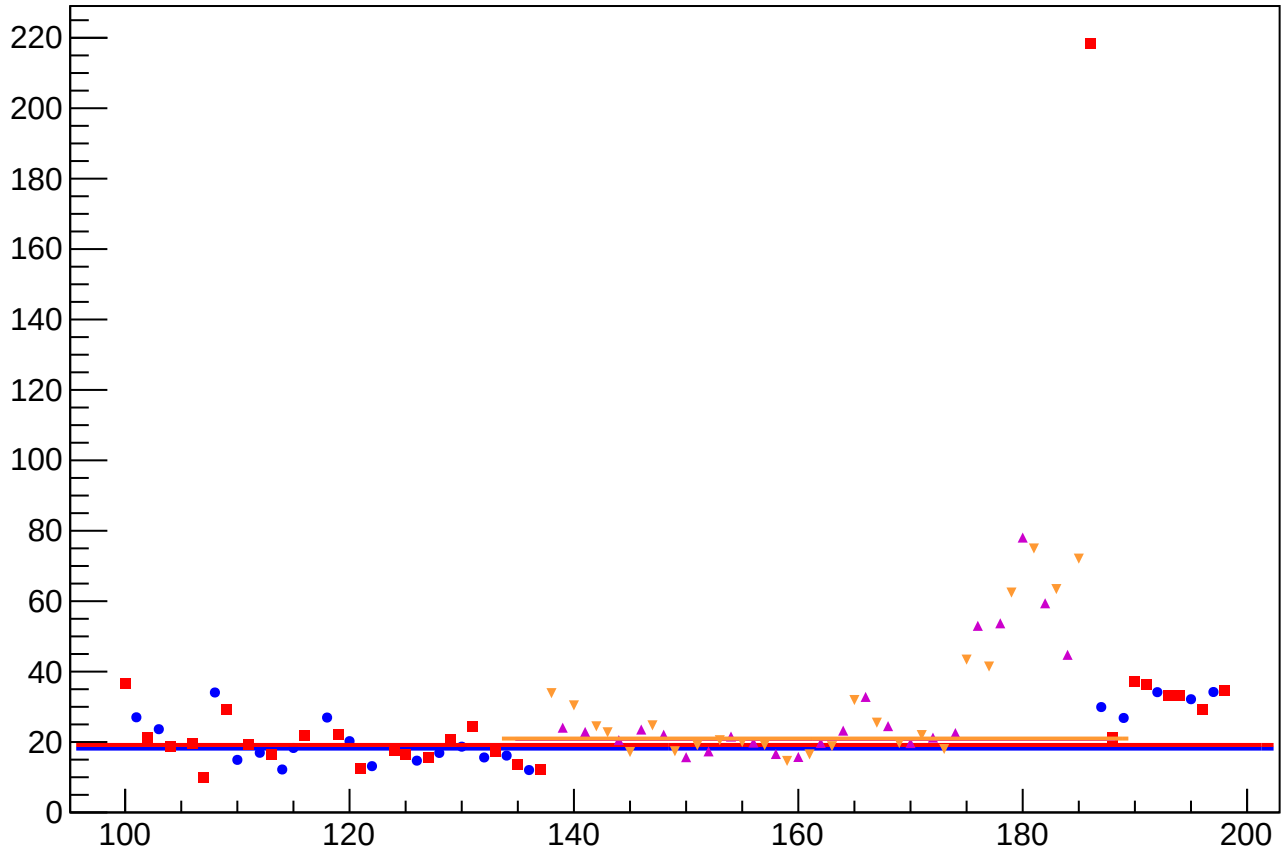
Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/26

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.2/45

All: -0.003+/-0.003 χ^2/NDF: 104.8/95

- sign -0.002+/-0.004 χ^2/NDF: 52.4/49



Right In: 18.133+/-0.004 χ^2/NDF: 2387861.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

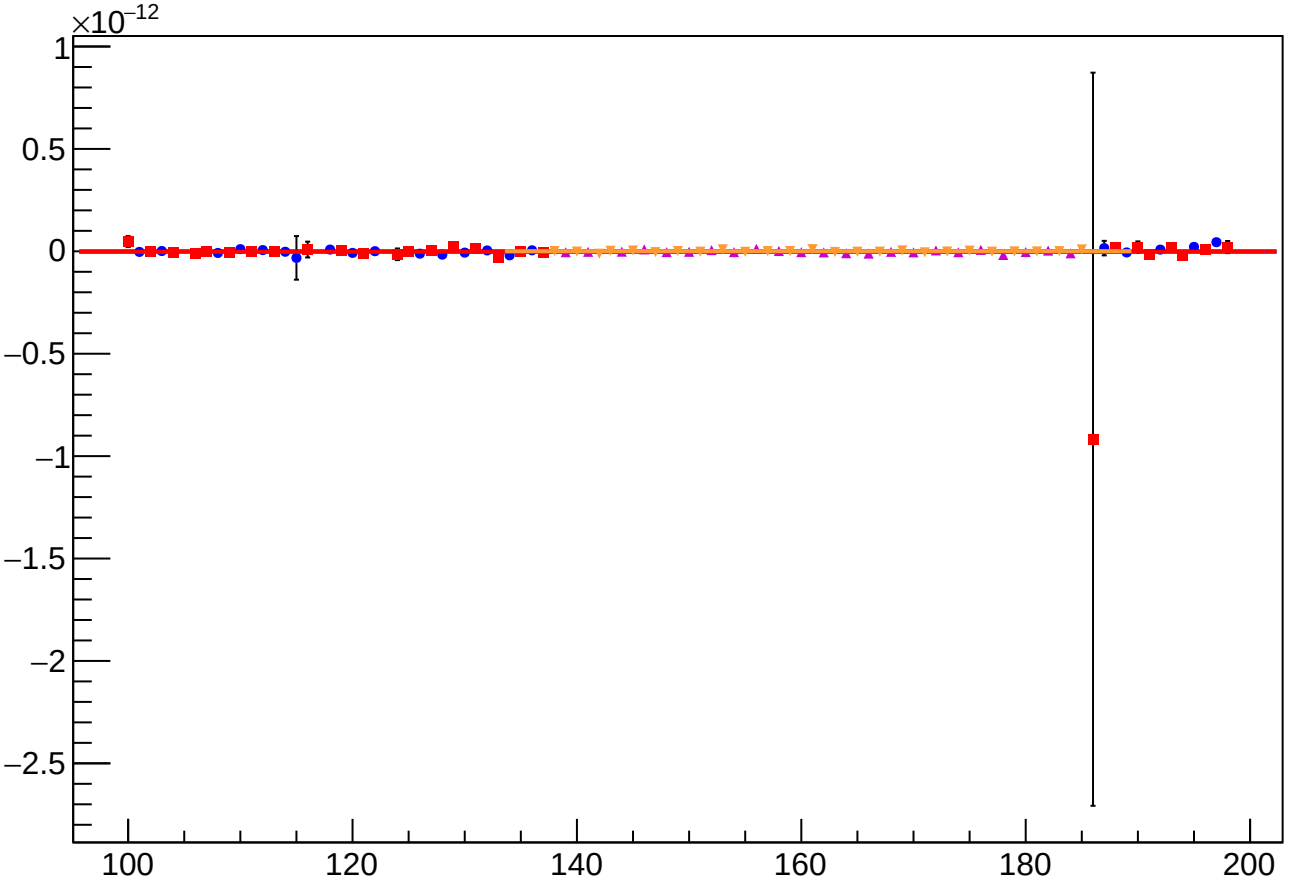
Right Out: 19.172+/-0.004 χ^2/NDF: 3165426.6/26

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.793+/-0.003 χ^2/NDF: 7104795.5/45

All: 19.956+/-0.002 χ^2/NDF: 13902841.2/95

- sign 20.117+/-0.003 χ^2/NDF: 6791358.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

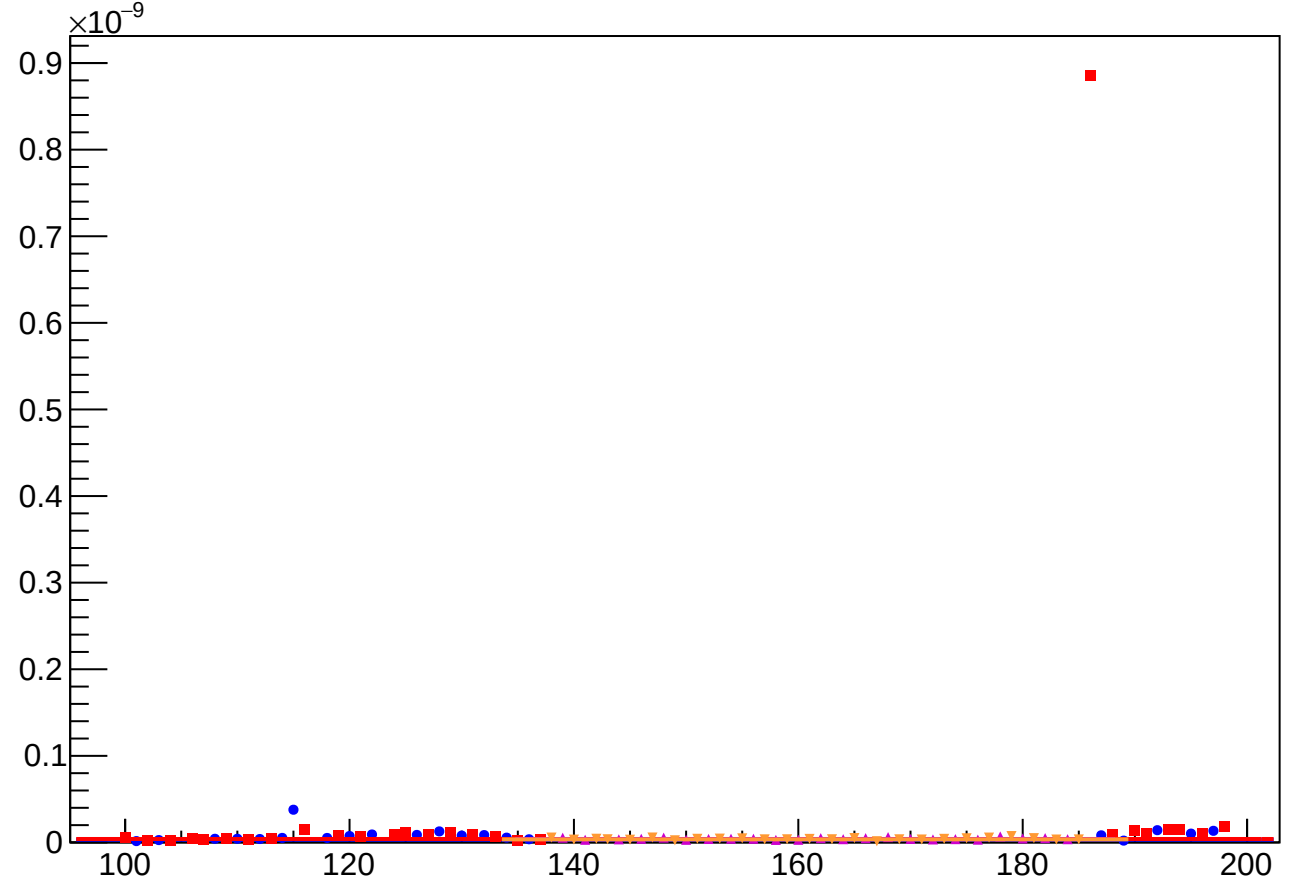
Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/26

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.2/45

All: -0.000+/-0.000 χ^2/NDF: 83.1/95

- sign -0.000+/-0.000 χ^2/NDF: 48.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 4423481.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5801496.5/26

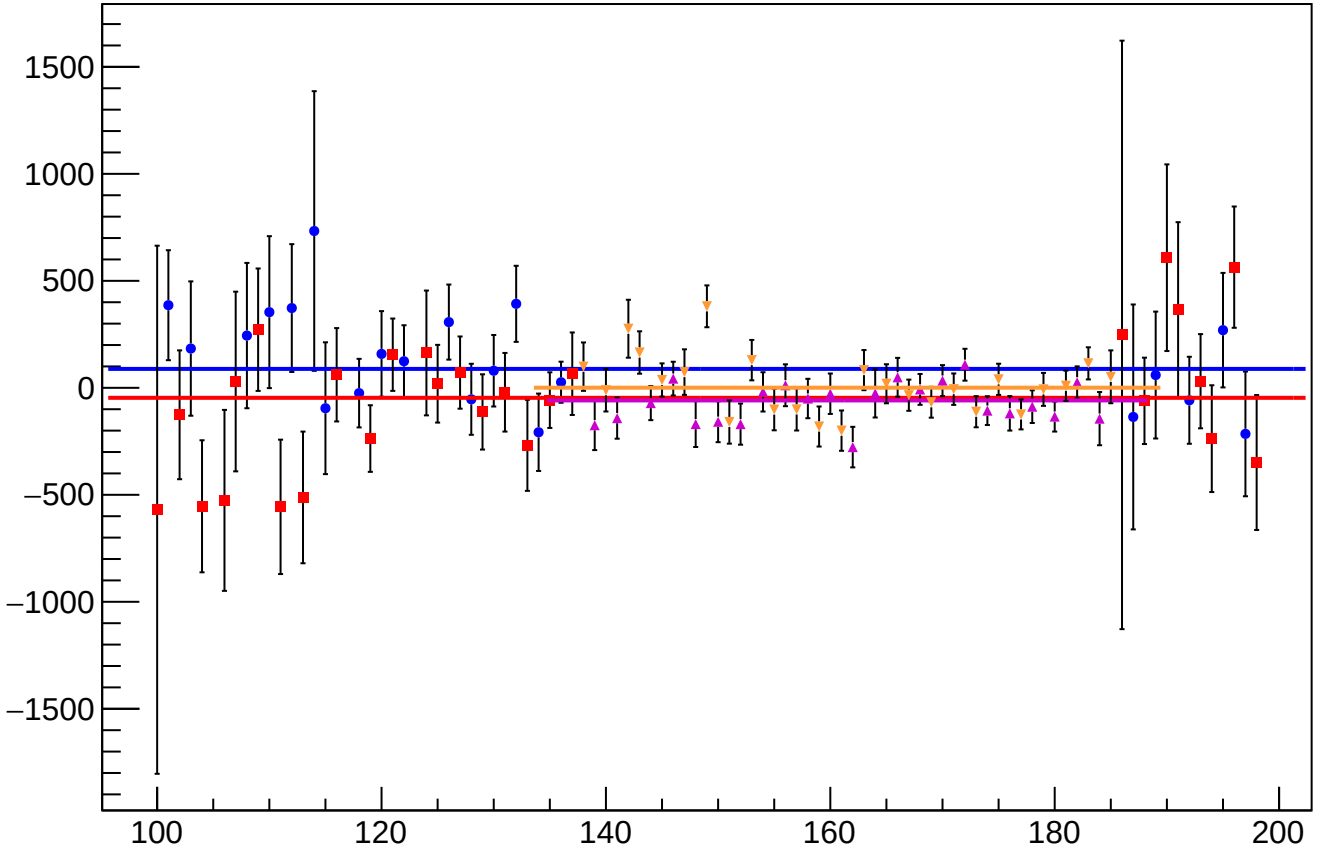
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7015980.8/45

All: 0.000+/-0.000 χ^2/NDF: 14324123.8/95

- sign 0.000+/-0.000 χ^2/NDF: 7003651.0/49

reg_asym_sam_26_avg_mean vs Slug



Right In: 88.456+/-44.468 χ^2/NDF: 15.7/20

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -46.688+/-44.433 χ^2/NDF: 25.9/26

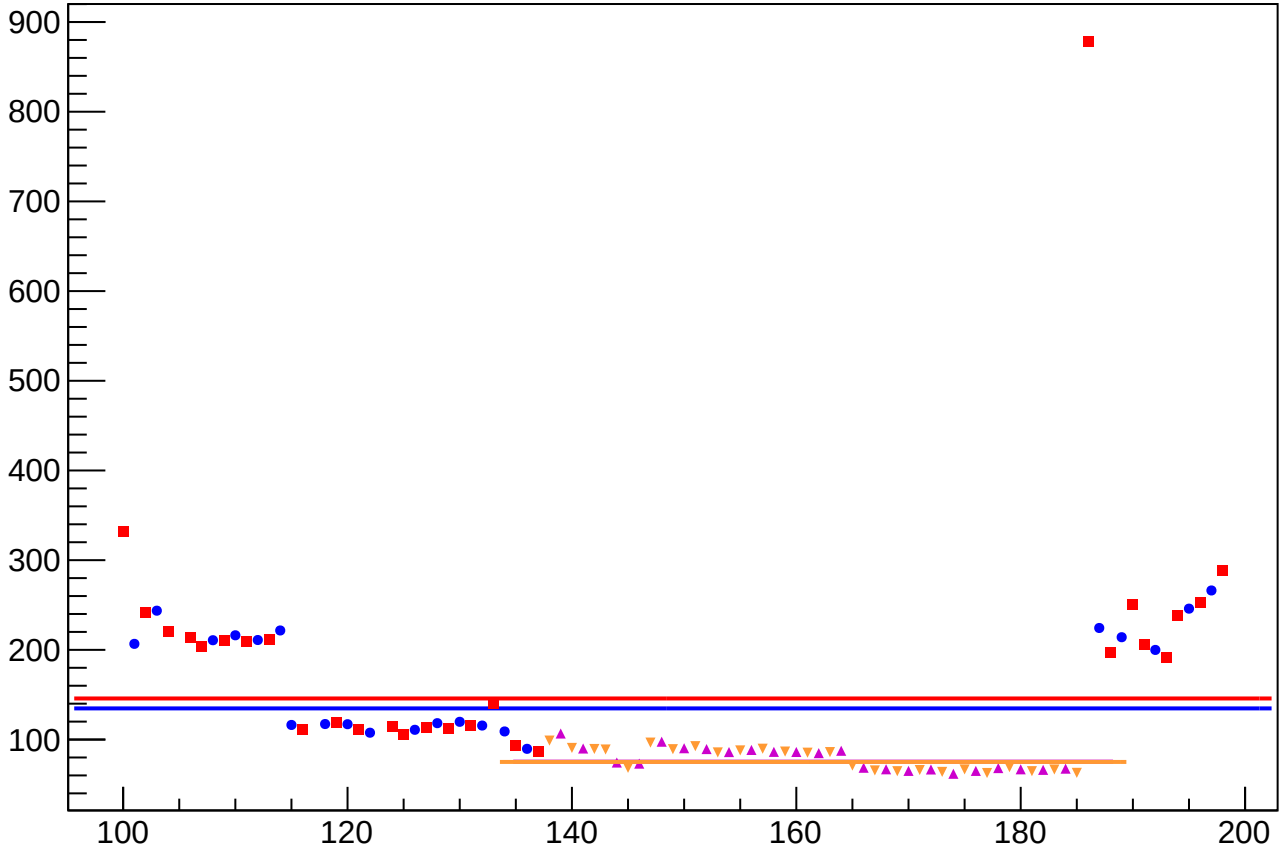
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.170+/-16.138 χ^2/NDF: 67.7/45

All: -21.567+/-11.567 χ^2/NDF: 128.5/95

- sign -57.204+/-16.587 χ^2/NDF: 51.8/49

reg_asym_sam_26_avg_rms vs Slug



Right In: 134.726+/-0.031 χ^2/NDF: 2604893.9/20

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

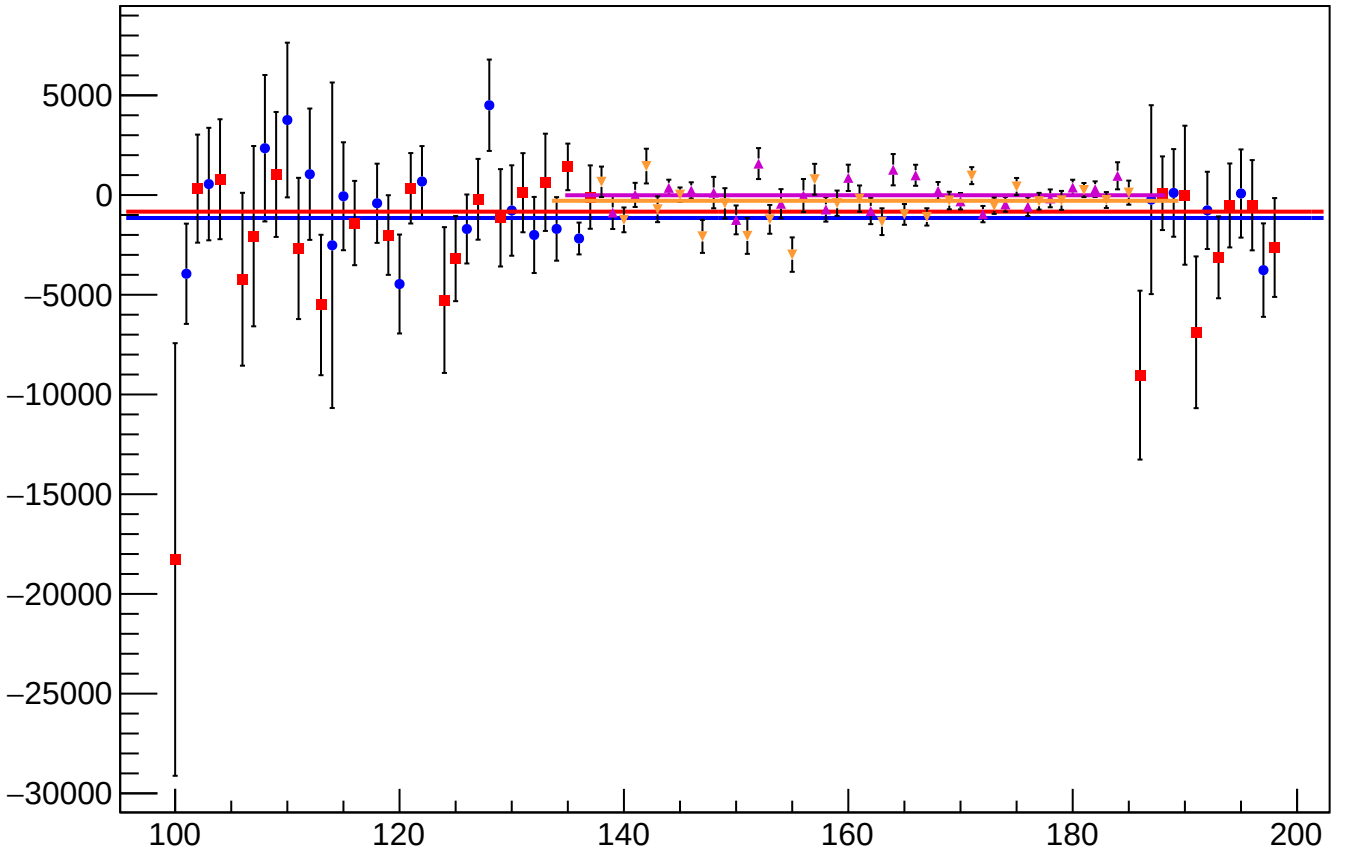
Right Out: 145.803+/-0.031 χ^2/NDF: 3673448.4/26

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 82.903+/-0.011 χ^2/NDF: 6661392.4/45

All: 84.005+/-0.008 χ^2/NDF: 15518999.4/95

- sign 85.169+/-0.012 χ^2/NDF: 8838419.3/49



Right In: -1151.153+/-435.815 χ^2/NDF: 17.9/20

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -832.293+/-447.424 χ^2/NDF: 22.7/26

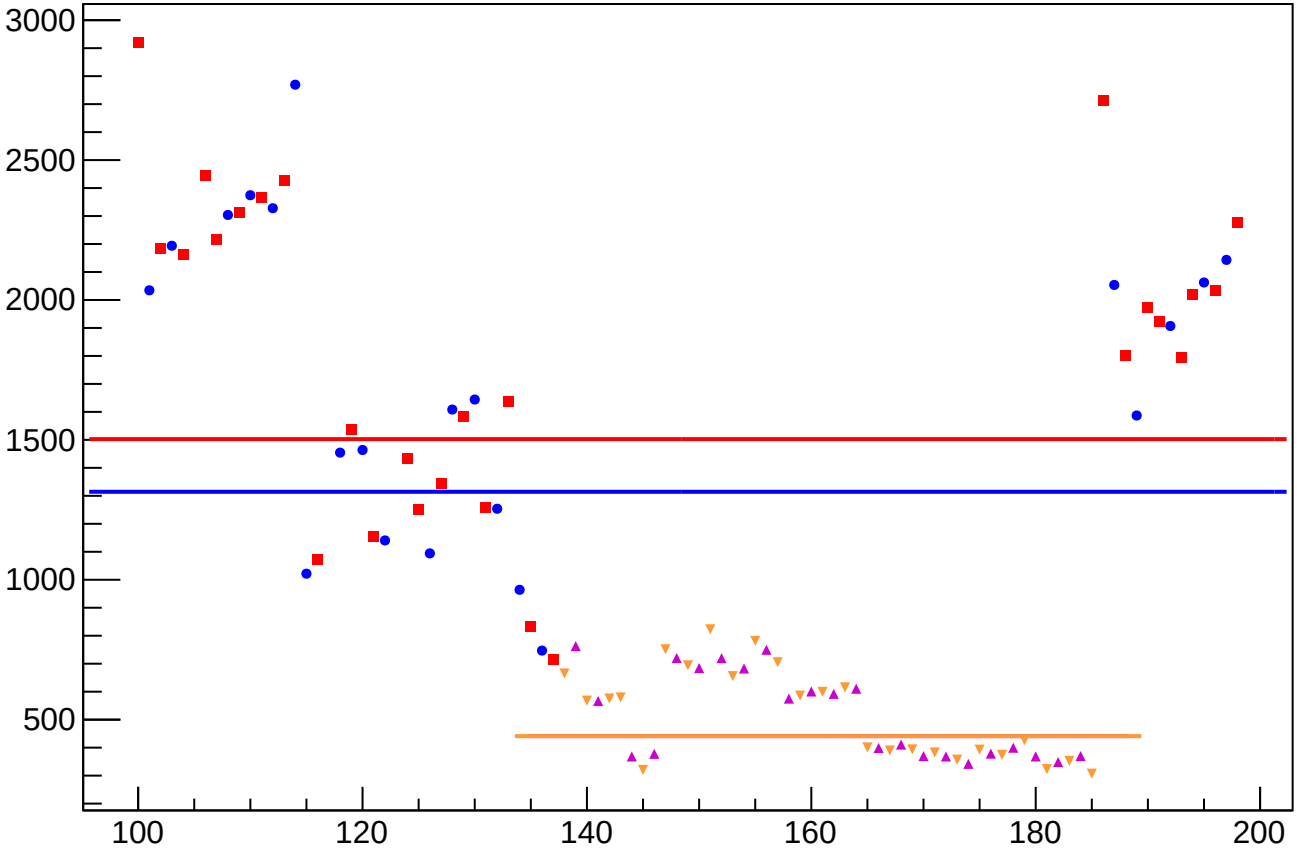
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -335.626+/-102.292 χ^2/NDF: 74.9/45

All: -198.855+/-73.161 χ^2/NDF: 137.8/95

- sign -55.619+/-104.681 χ^2/NDF: 59.3/49

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1314.506+/-0.308 χ^2/NDF: 2929795.9/20

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1502.731+/-0.316 χ^2/NDF: 2923052.8/26

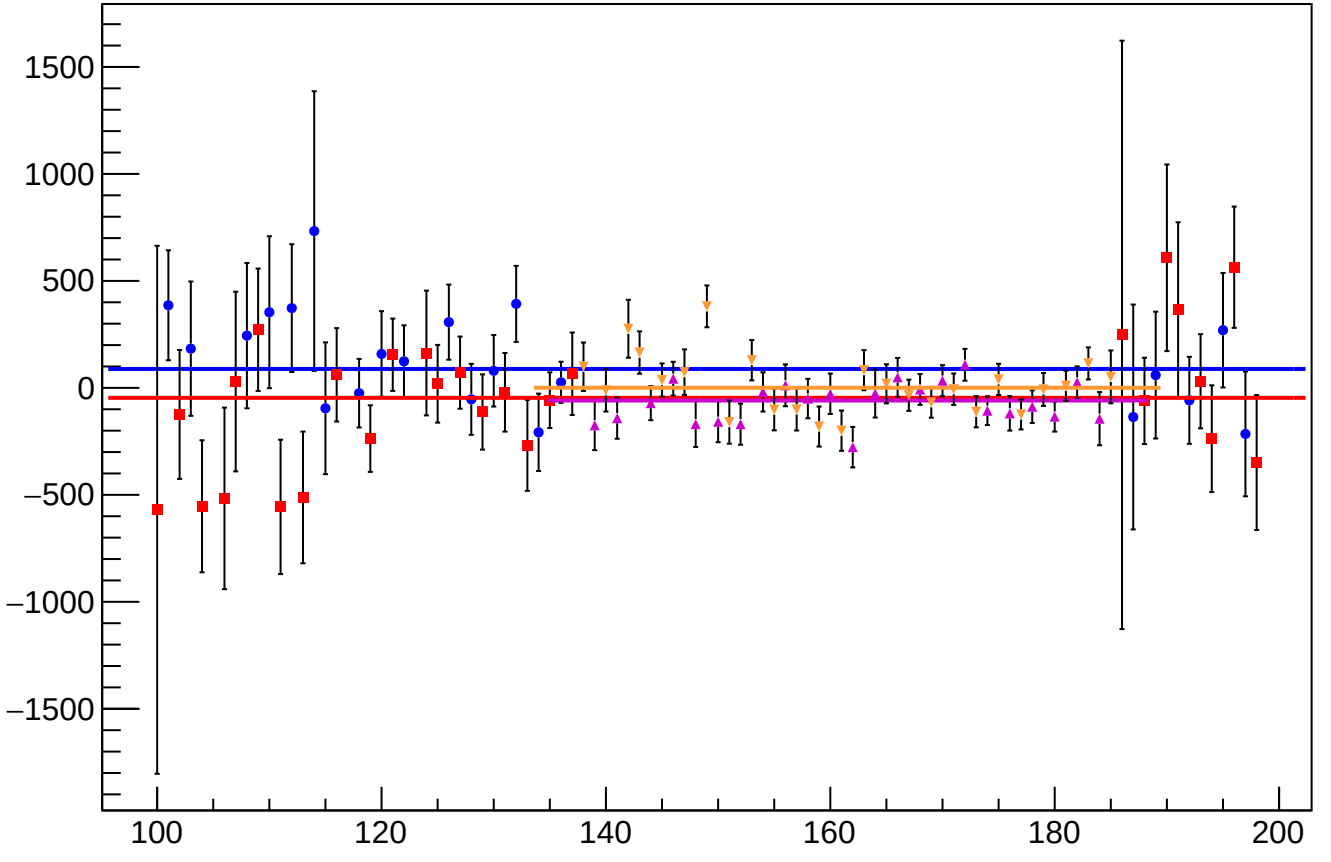
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 489.243+/-0.072 χ^2/NDF: 13754053.9/45

All: 494.157+/-0.052 χ^2/NDF: 30010334.4/95

- sign 499.303+/-0.074 χ^2/NDF: 16246831.3/49

cor_asym_sam_26_avg_mean vs Slug



Right In: 88.443+/-44.468 χ^2/NDF: 15.7/20

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -46.501+/-44.436 χ^2/NDF: 25.8/26

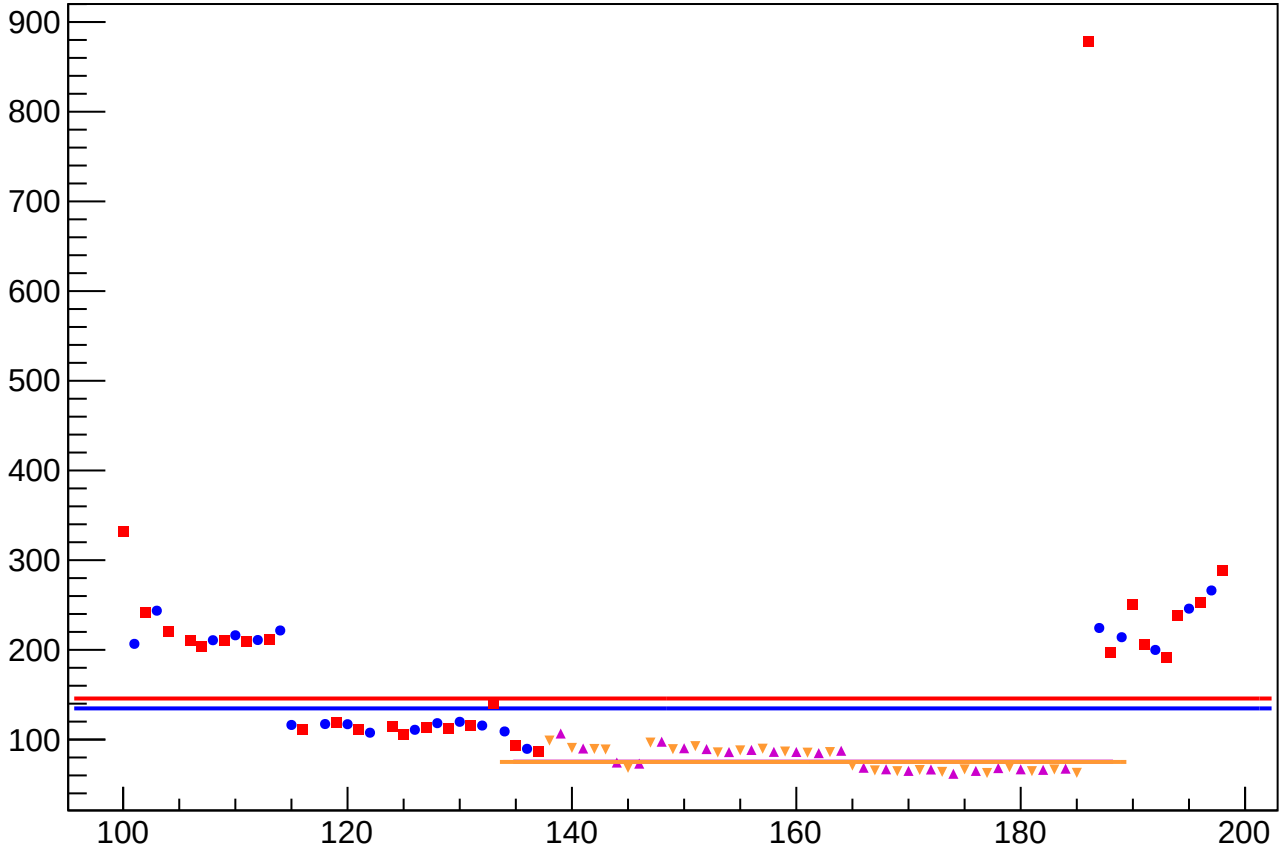
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.168+/-16.138 χ^2/NDF: 67.7/45

All: -21.554+/-11.567 χ^2/NDF: 128.4/95

- sign -57.176+/-16.587 χ^2/NDF: 51.7/49

cor_asym_sam_26_avg_rms vs Slug



Right In: 134.726+/-0.031 χ^2/NDF: 2604896.4/20

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

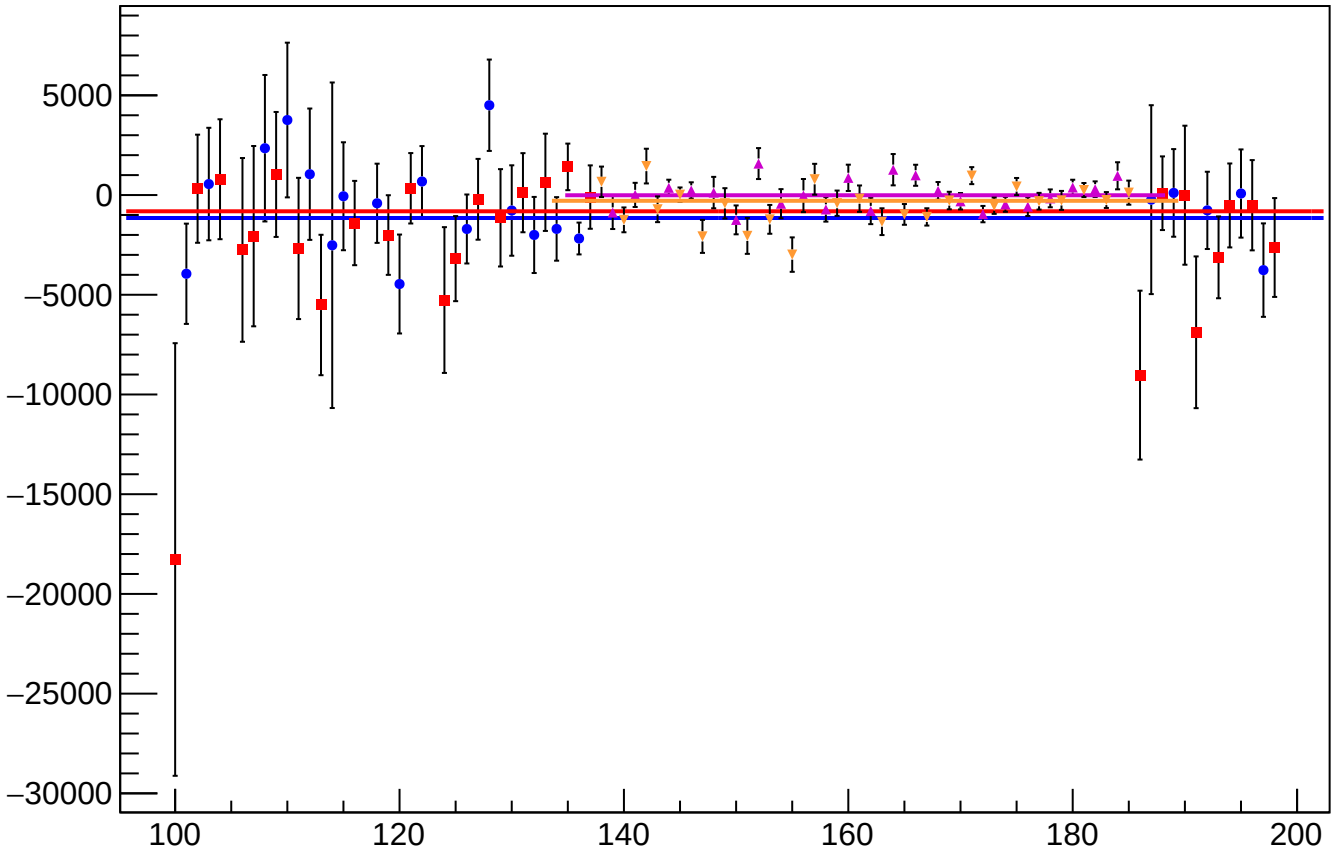
Right Out: 145.765+/-0.031 χ^2/NDF: 3668849.1/26

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 82.903+/-0.011 χ^2/NDF: 6661394.4/45

All: 84.002+/-0.008 χ^2/NDF: 15509170.3/95

- sign 85.163+/-0.012 χ^2/NDF: 8828693.9/49



Right In: -1151.139+/-435.815 χ^2/NDF: 17.9/20

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -814.420+/-447.707 χ^2/NDF: 22.3/26

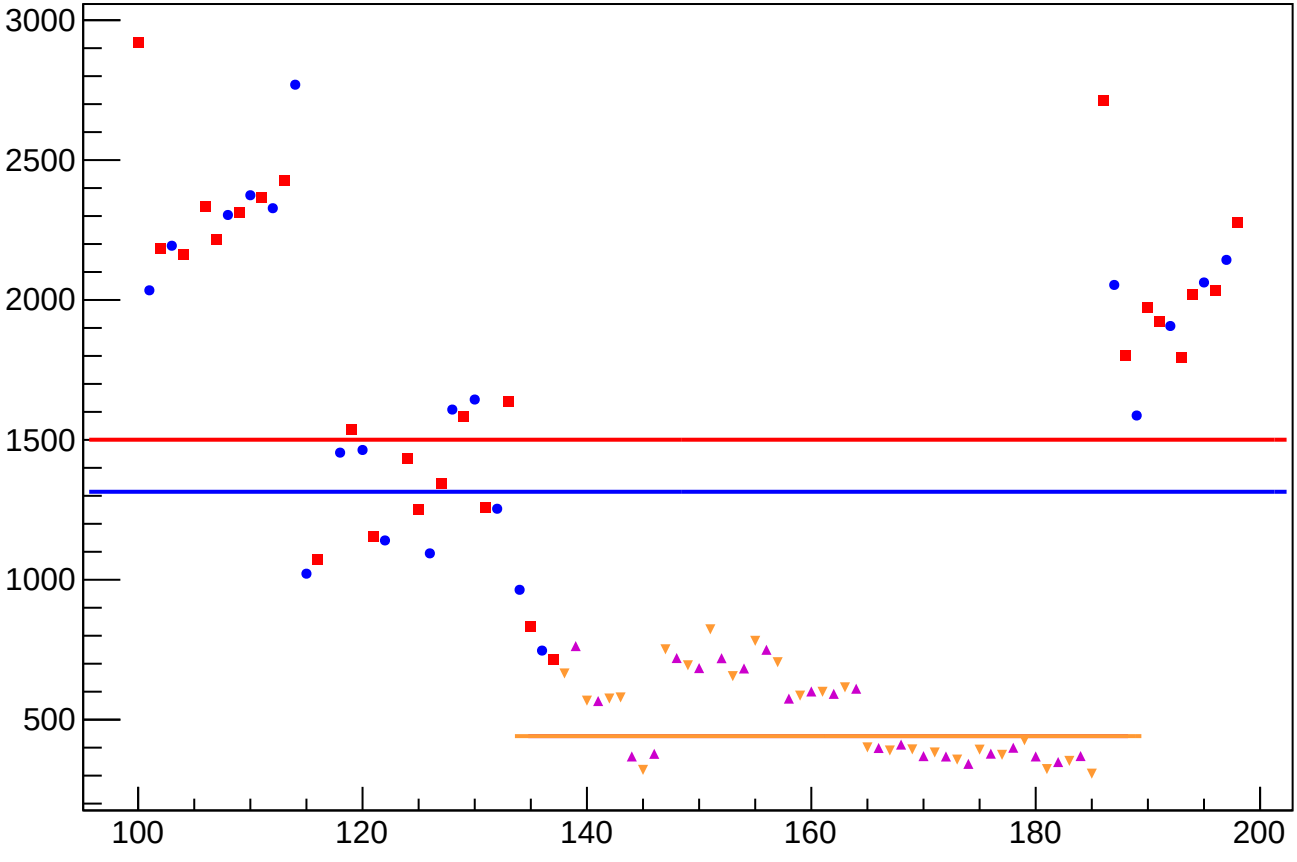
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -335.625+/-102.292 χ^2/NDF: 74.9/45

All: -198.356+/-73.163 χ^2/NDF: 137.3/95

- sign -54.590+/-104.685 χ^2/NDF: 58.7/49

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1314.506+/-0.308 χ^2/NDF: 2929826.1/20

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1500.560+/-0.317 χ^2/NDF: 2894227.0/26

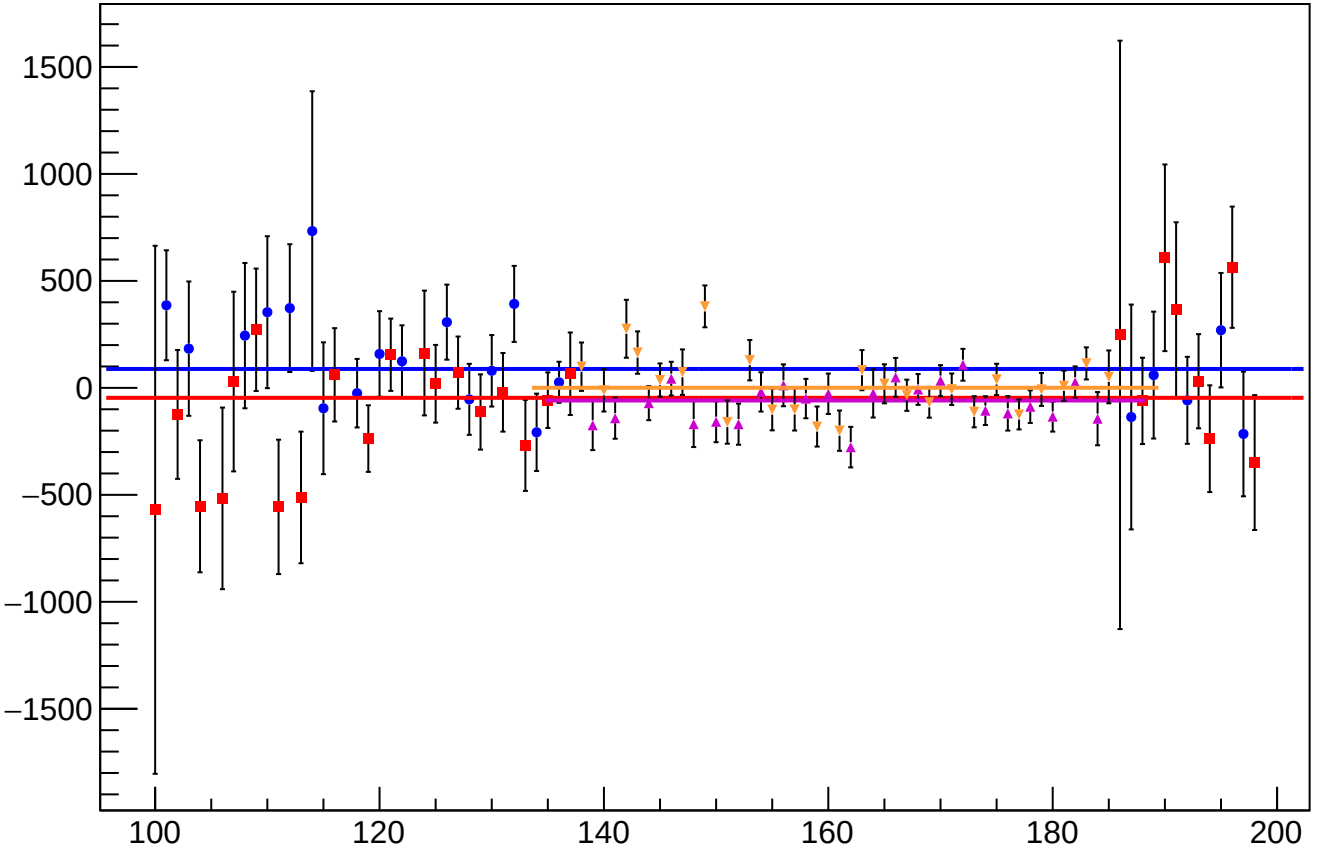
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 489.243+/-0.072 χ^2/NDF: 13754060.8/45

All: 494.065+/-0.052 χ^2/NDF: 29925050.7/95

- sign 499.116+/-0.074 χ^2/NDF: 16161890.2/49

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 88.443+/-44.468 χ^2/NDF: 15.7/20

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -46.501+/-44.436 χ^2/NDF: 25.8/26

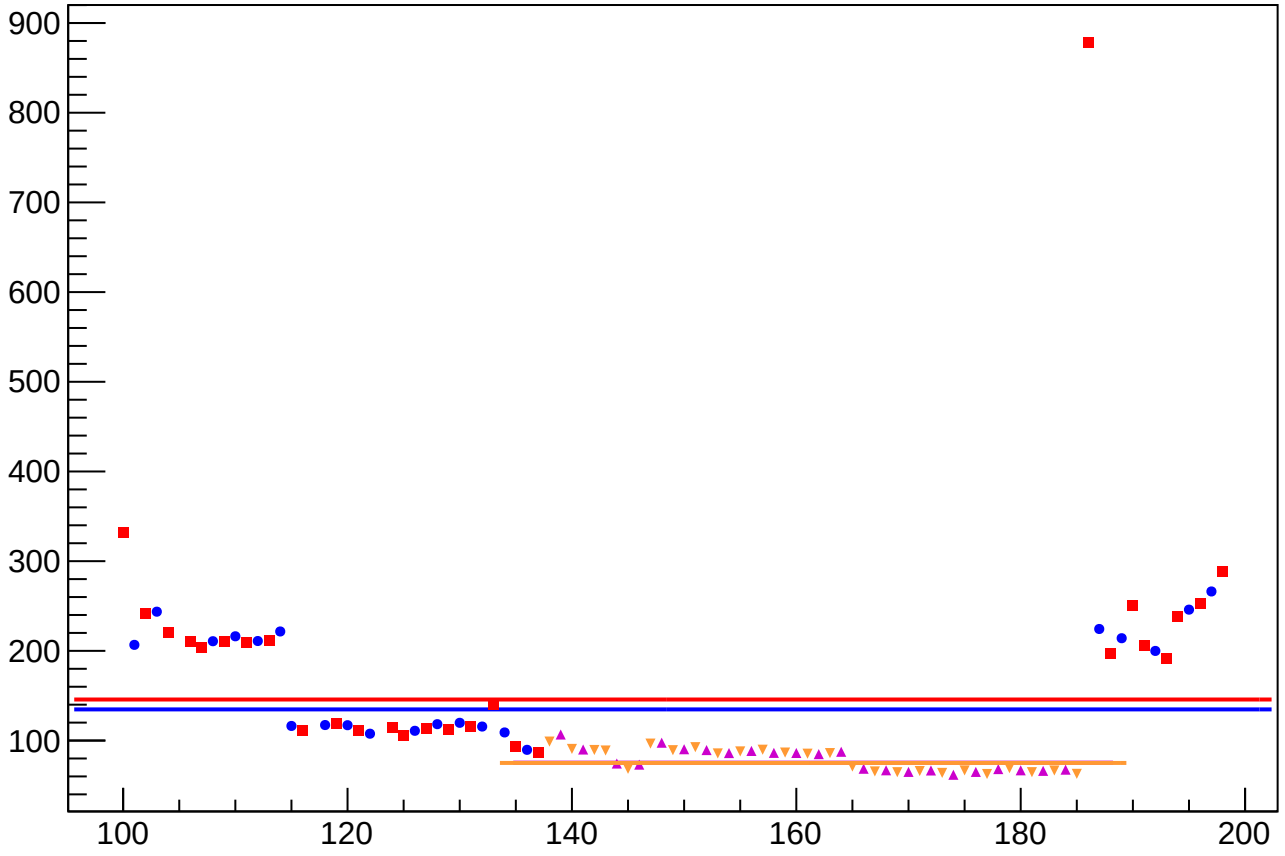
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.168+/-16.138 χ^2/NDF: 67.7/45

All: -21.554+/-11.567 χ^2/NDF: 128.4/95

- sign -57.176+/-16.587 χ^2/NDF: 51.7/49

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 134.726+/-0.031 χ^2/NDF: 2604896.4/20

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

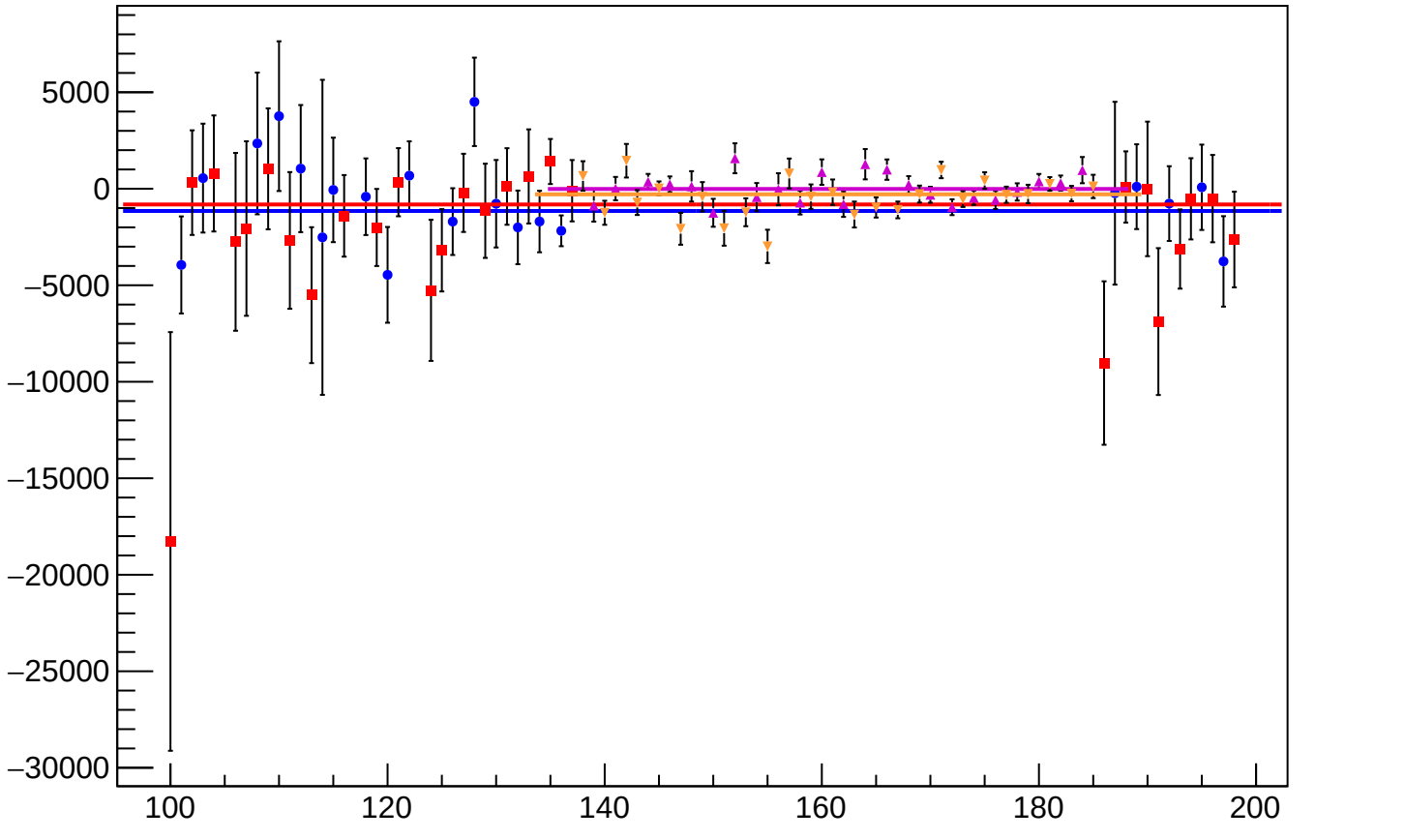
Right Out: 145.765+/-0.031 χ^2/NDF: 3668849.1/26

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

\+ sign 82.903+/-0.011 χ^2/NDF: 6661394.4/45

All: 84.002+/-0.008 χ^2/NDF: 15509170.3/95

\- sign 85.163+/-0.012 χ^2/NDF: 8828693.9/49



Right In: -1151.139+/-435.815 χ^2/NDF: 17.9/20

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -814.420+/-447.707 χ^2/NDF: 22.3/26

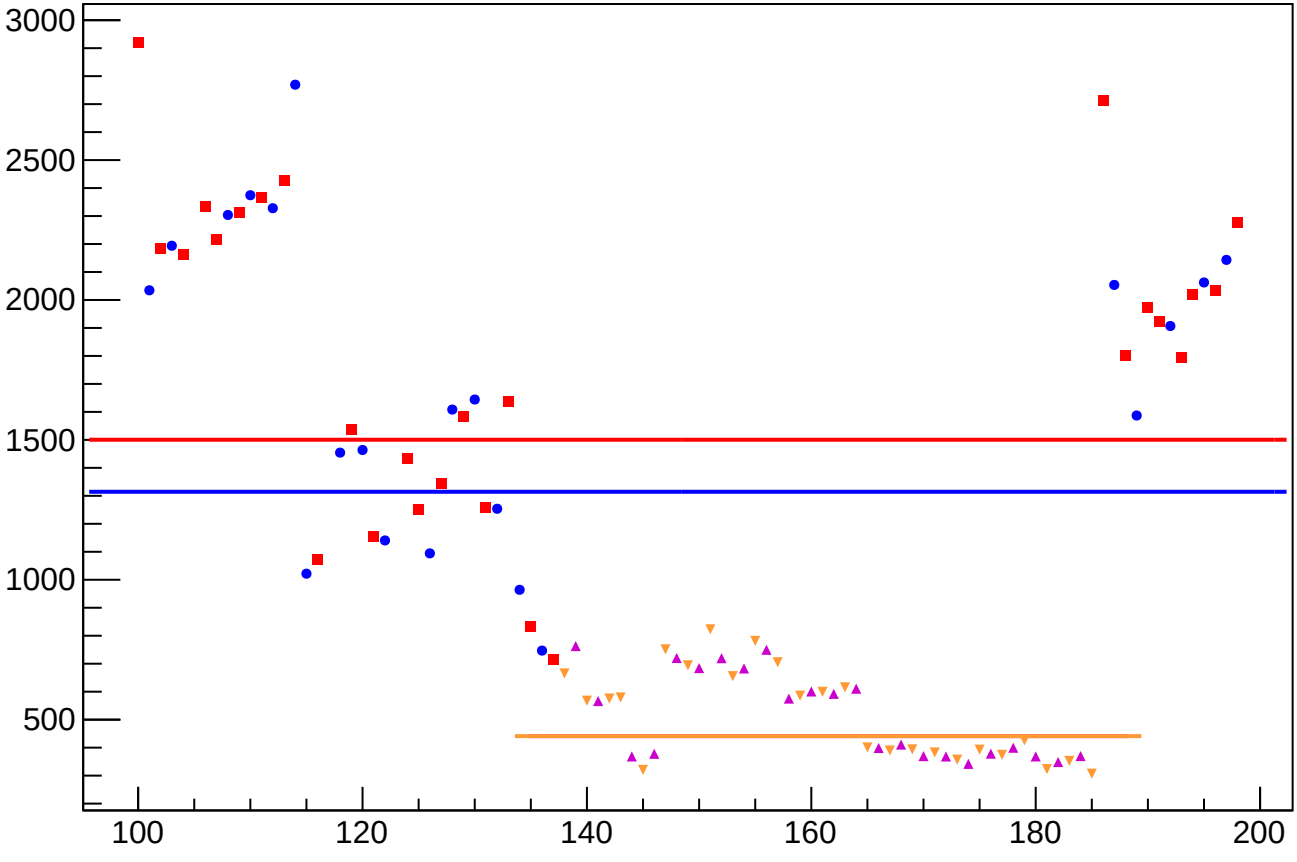
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -335.625+/-102.292 χ^2/NDF: 74.9/45

All: -198.356+/-73.163 χ^2/NDF: 137.3/95

- sign -54.590+/-104.685 χ^2/NDF: 58.7/49

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1314.506+/-0.308 χ^2/NDF: 2929826.1/20

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1500.560+/-0.317 χ^2/NDF: 2894227.0/26

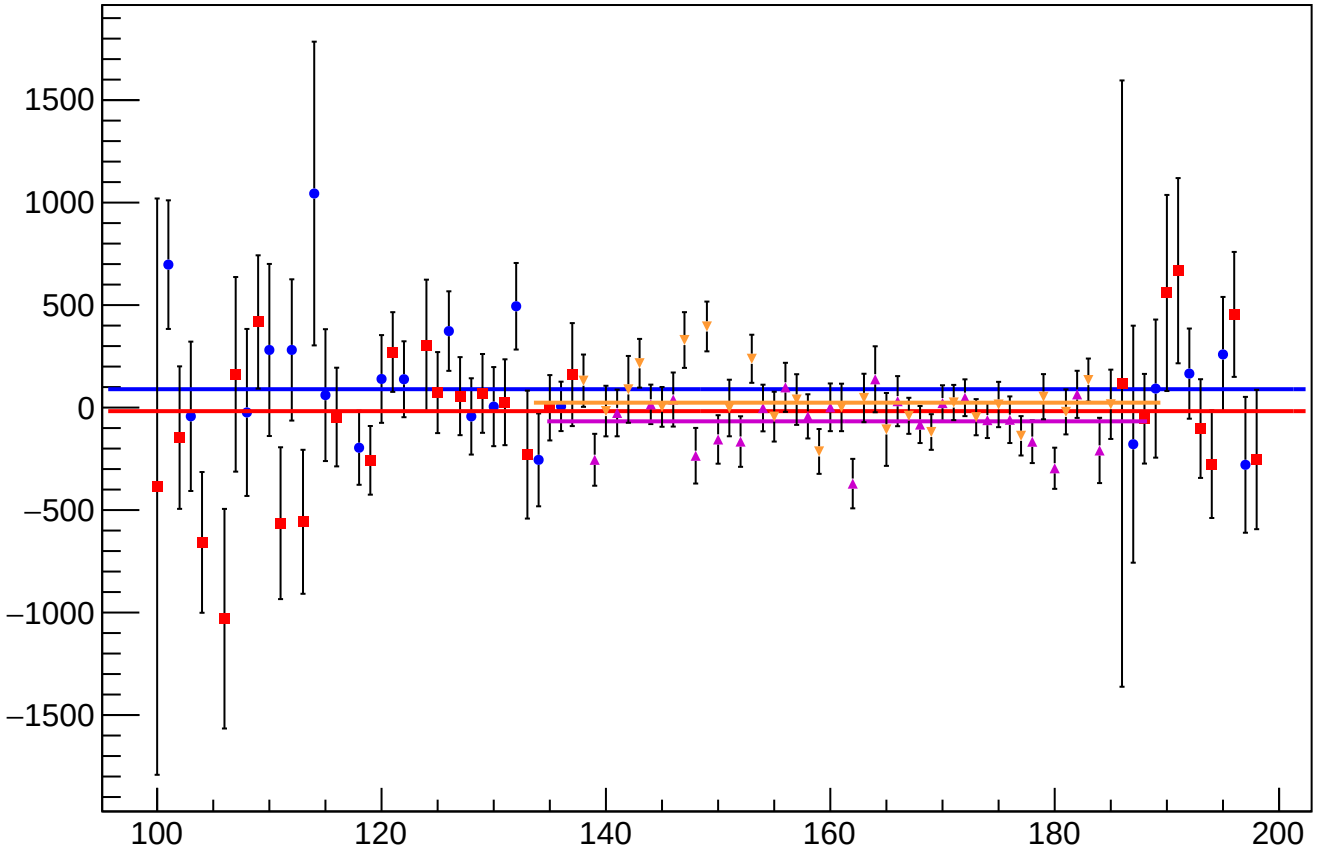
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 489.243+/-0.072 χ^2/NDF: 13754060.8/45

All: 494.065+/-0.052 χ^2/NDF: 29925050.7/95

- sign 499.116+/-0.074 χ^2/NDF: 16161890.2/49

dit_asym_sam_26_avg_mean vs Slug



Right In: 89.649+/-51.421 χ^2/NDF: 20.0/20

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -17.452+/-50.675 χ^2/NDF: 28.3/26

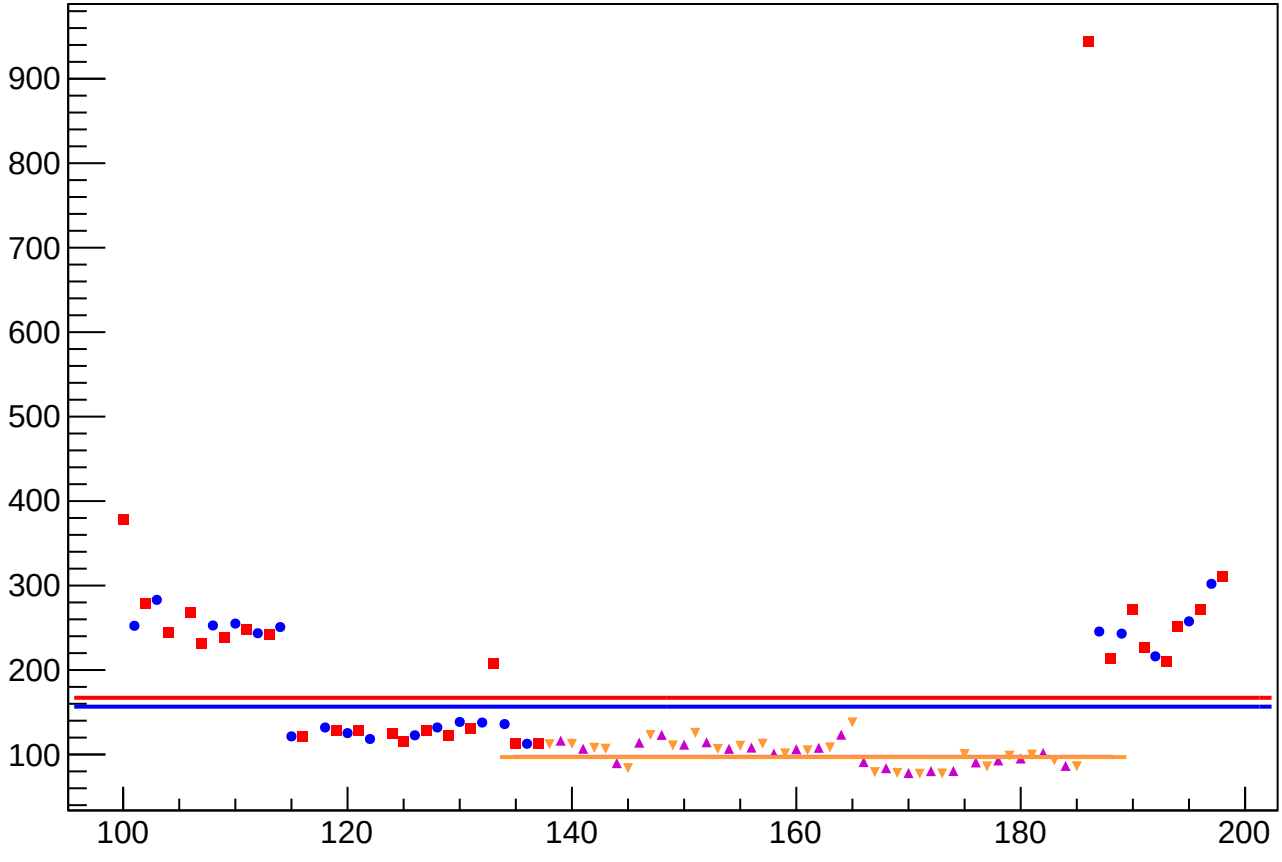
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 34.375+/-20.547 χ^2/NDF: 56.6/45

All: -10.989+/-14.698 χ^2/NDF: 124.3/95

- sign -58.534+/-21.035 χ^2/NDF: 57.8/49

dit_asym_sam_26_avg_rms vs Slug



Right In: 156.613+/-0.036 χ^2/NDF: 2378778.0/20

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

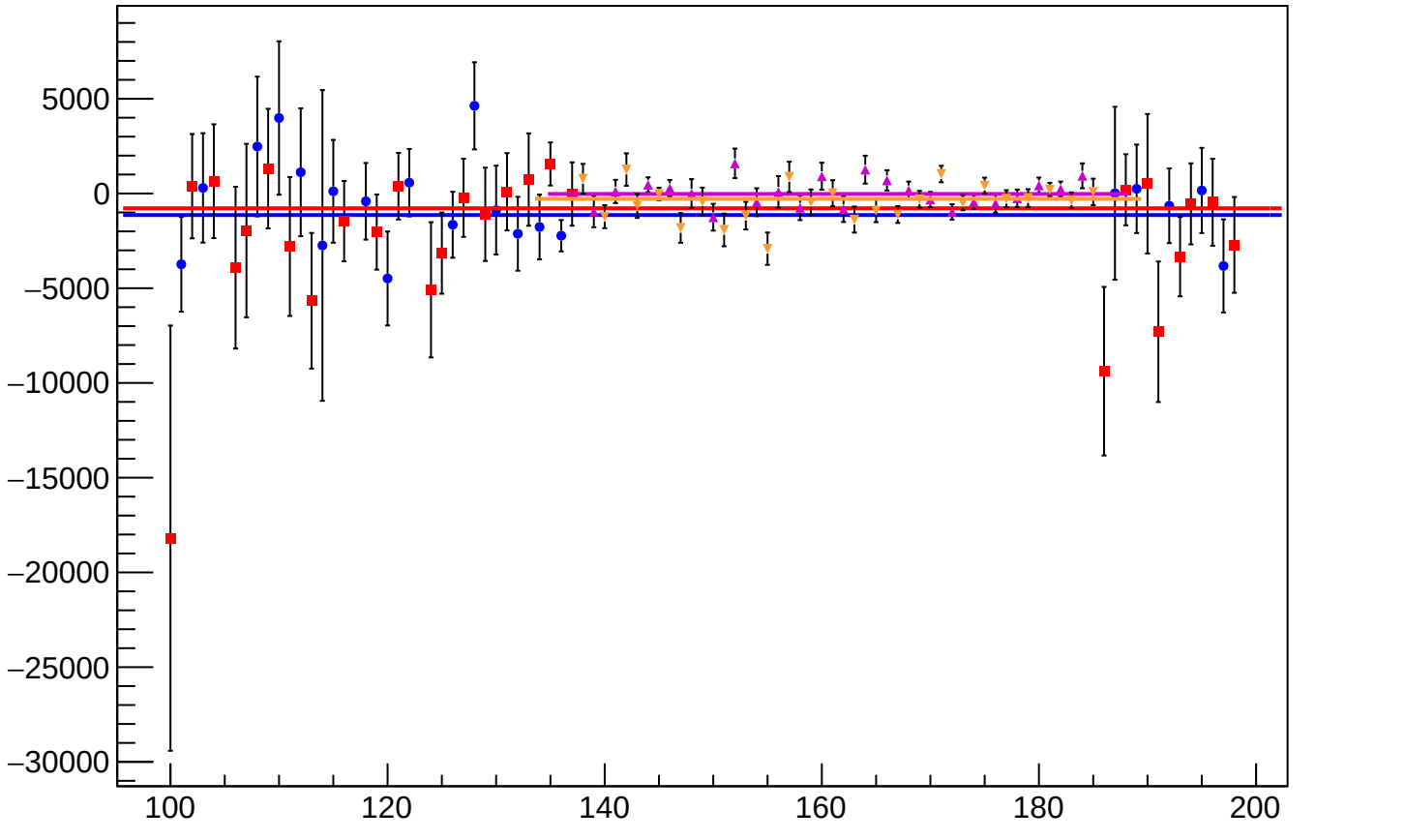
Right Out: 167.129+/-0.036 χ^2/NDF: 3406327.2/26

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 106.440+/-0.015 χ^2/NDF: 5578622.6/45

All: 107.798+/-0.010 χ^2/NDF: 12832715.3/95

- sign 109.222+/-0.015 χ^2/NDF: 7236190.7/49



Right In: -1136.891+/-447.478 χ^2/NDF: 18.0/20

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -780.606+/-450.918 χ^2/NDF: 24.1/26

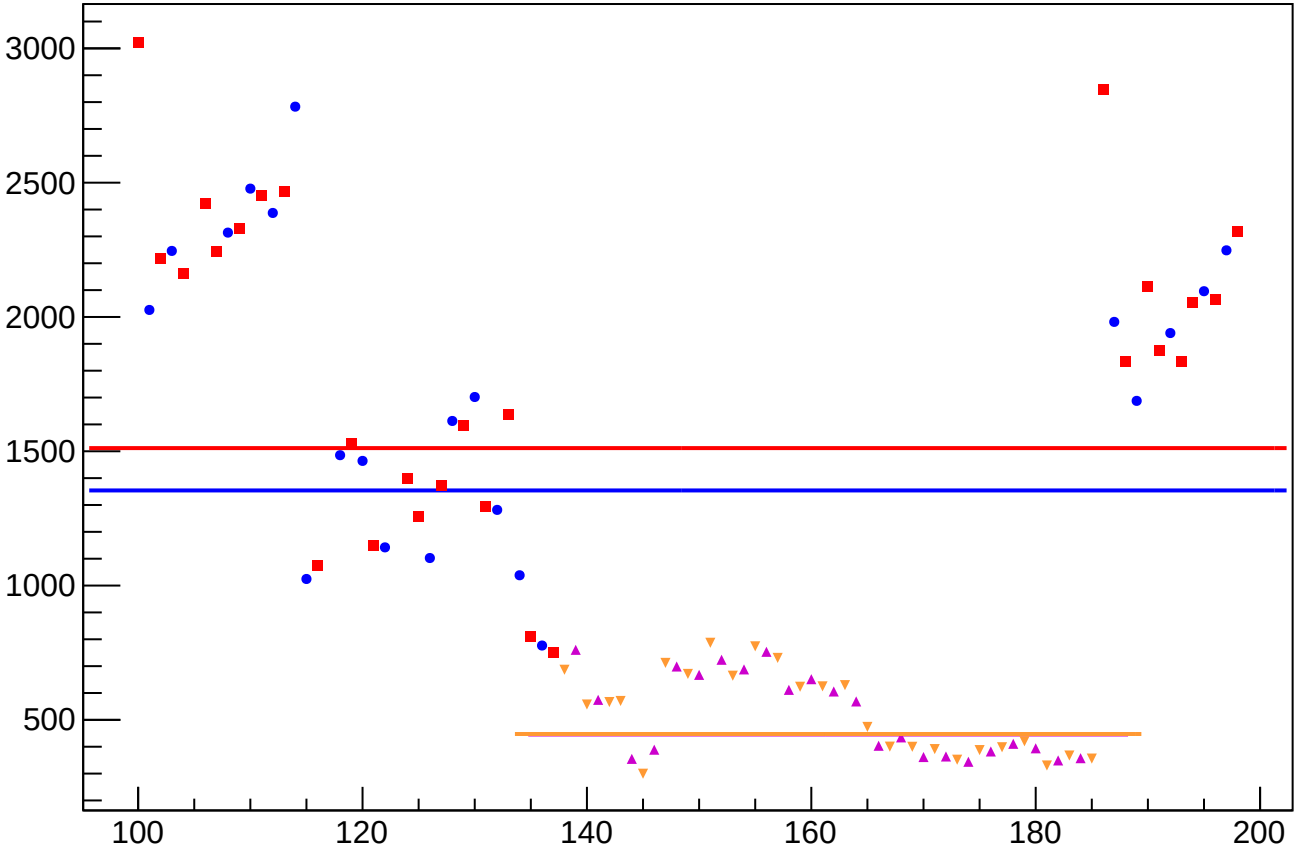
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -328.142+/-103.509 χ^2/NDF: 71.9/45

All: -200.127+/-74.003 χ^2/NDF: 134.6/95

- sign -66.277+/-105.842 χ^2/NDF: 59.7/49

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1354.158+/-0.316 χ^2/NDF: 2836667.4/20

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1511.793+/-0.319 χ^2/NDF: 3034809.4/26

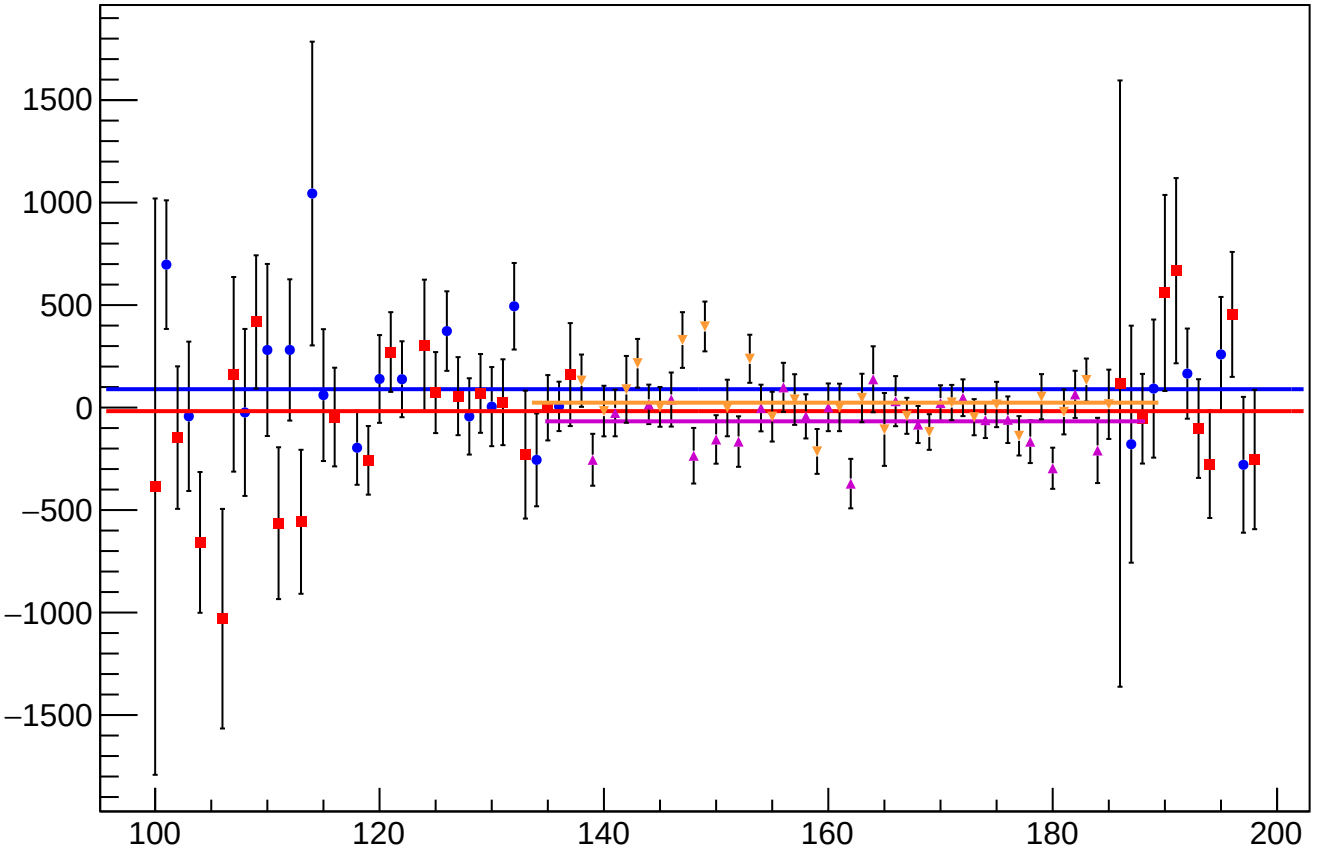
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 495.904+/-0.073 χ^2/NDF: 13807652.2/45

All: 499.979+/-0.052 χ^2/NDF: 30129850.2/95

- sign 504.240+/-0.075 χ^2/NDF: 16315857.6/49

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 89.651+/-51.421 χ^2/NDF: 20.0/20

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -17.452+/-50.675 χ^2/NDF: 28.3/26

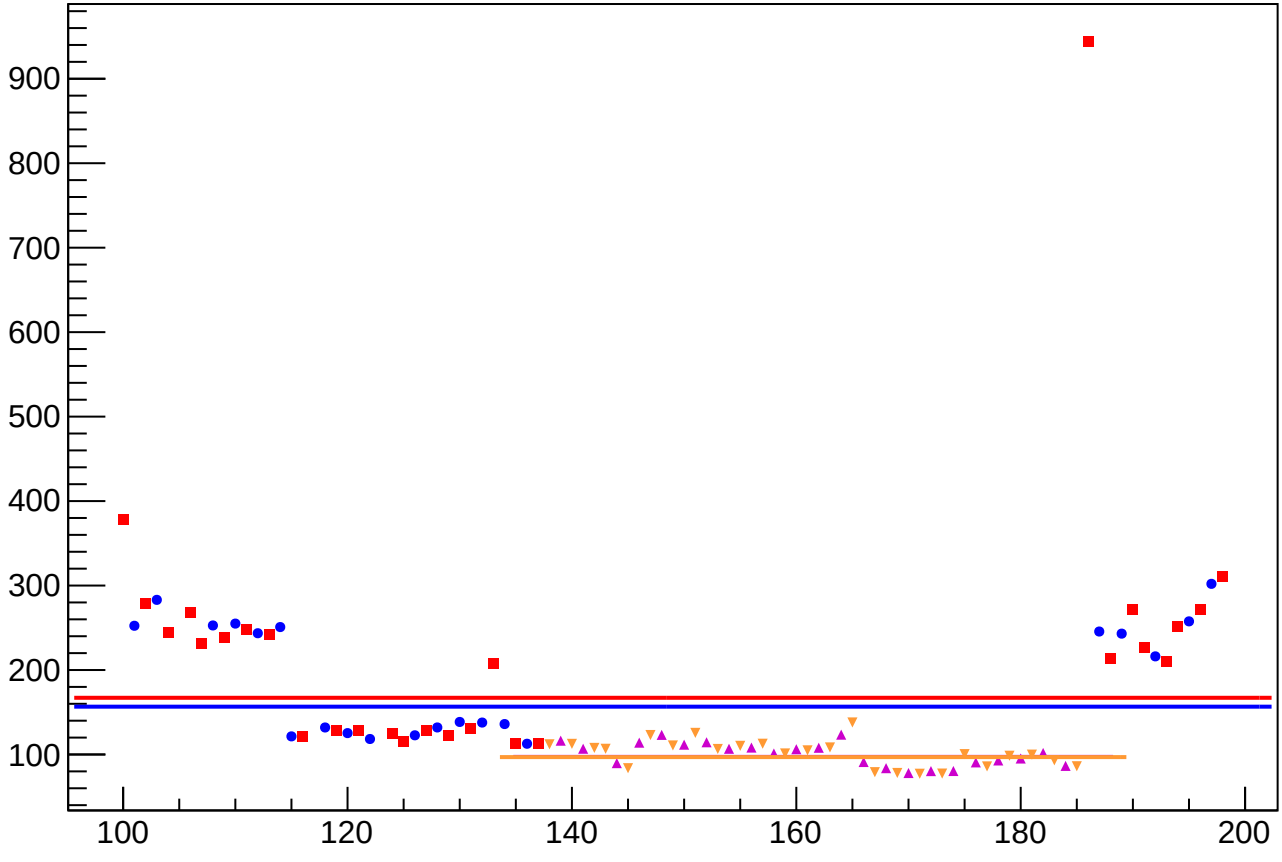
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 34.374+/-20.547 χ^2/NDF: 56.6/45

All: -10.989+/-14.698 χ^2/NDF: 124.3/95

- sign -58.533+/-21.035 χ^2/NDF: 57.8/49

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 156.613+/-0.036 χ^2/NDF: 2378779.0/20

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

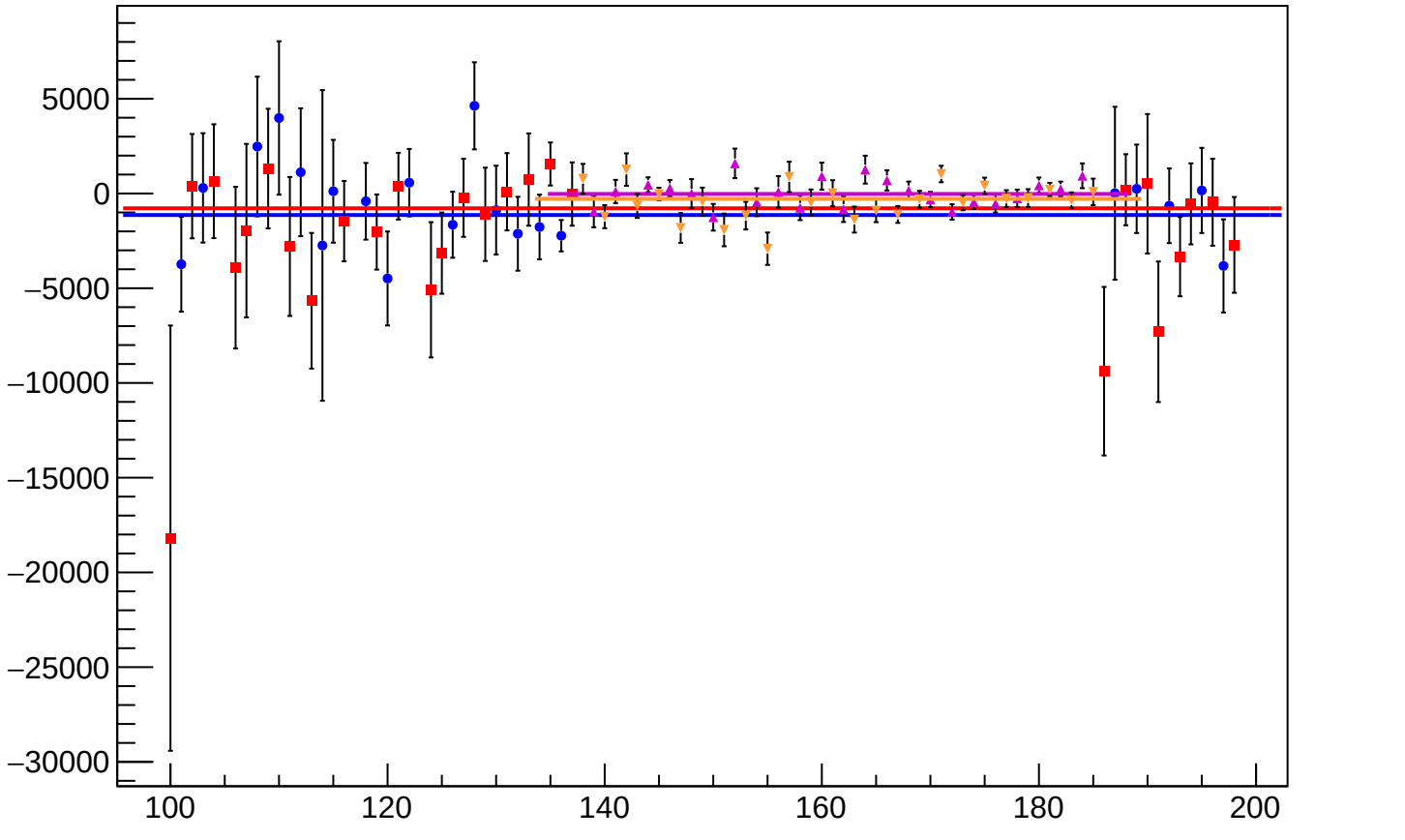
Right Out: 167.129+/-0.036 χ^2/NDF: 3406324.3/26

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 106.440+/-0.015 χ^2/NDF: 5578562.6/45

All: 107.799+/-0.010 χ^2/NDF: 12832584.7/95

- sign 109.222+/-0.015 χ^2/NDF: 7236118.5/49



Right In: -1136.888+/-447.477 χ^2/NDF: 18.0/20

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: -780.607+/-450.918 χ^2/NDF: 24.1/26

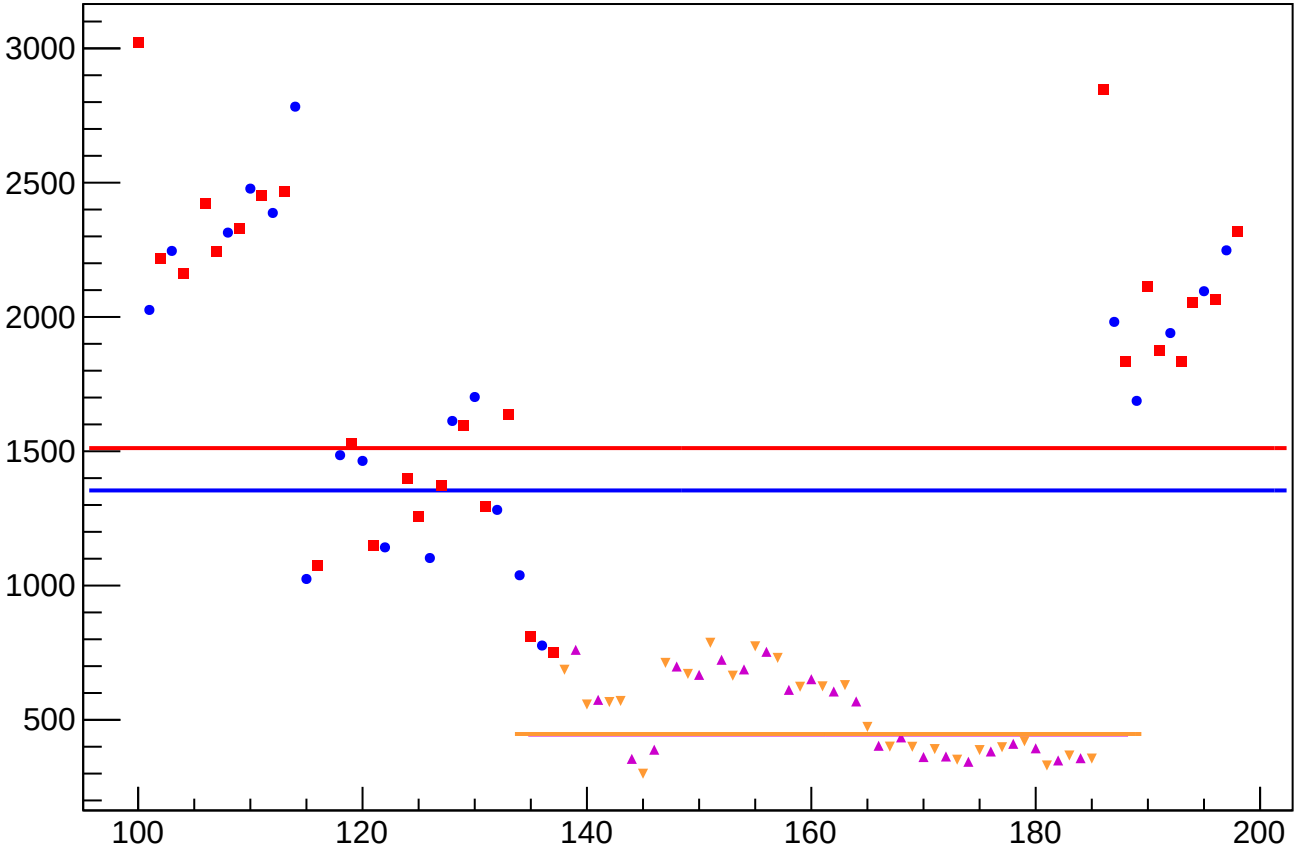
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -328.141+/-103.509 χ^2/NDF: 71.9/45

All: -200.127+/-74.003 χ^2/NDF: 134.6/95

- sign -66.277+/-105.842 χ^2/NDF: 59.7/49

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1354.157+/-0.316 χ^2/NDF: 2836648.9/20

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1511.793+/-0.319 χ^2/NDF: 3034797.0/26

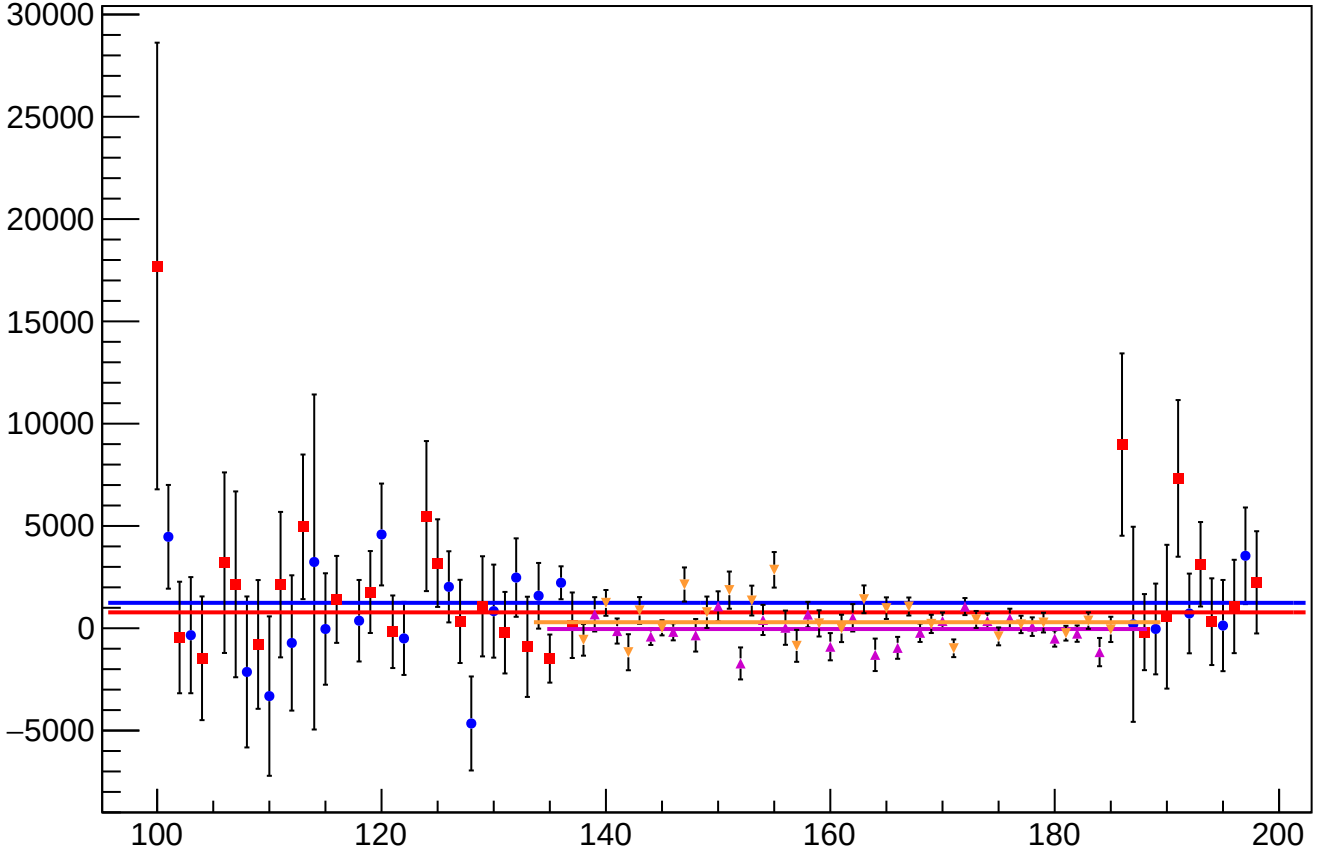
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 495.904+/-0.073 χ^2/NDF: 13807666.9/45

All: 499.979+/-0.052 χ^2/NDF: 30129869.2/95

- sign 504.239+/-0.075 χ^2/NDF: 16315861.8/49

asym_sam_26_avg_mean vs Slug



Right In: 1242.582+/-438.682 χ^2/NDF: 18.1/20

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 776.928+/-450.233 χ^2/NDF: 21.8/26

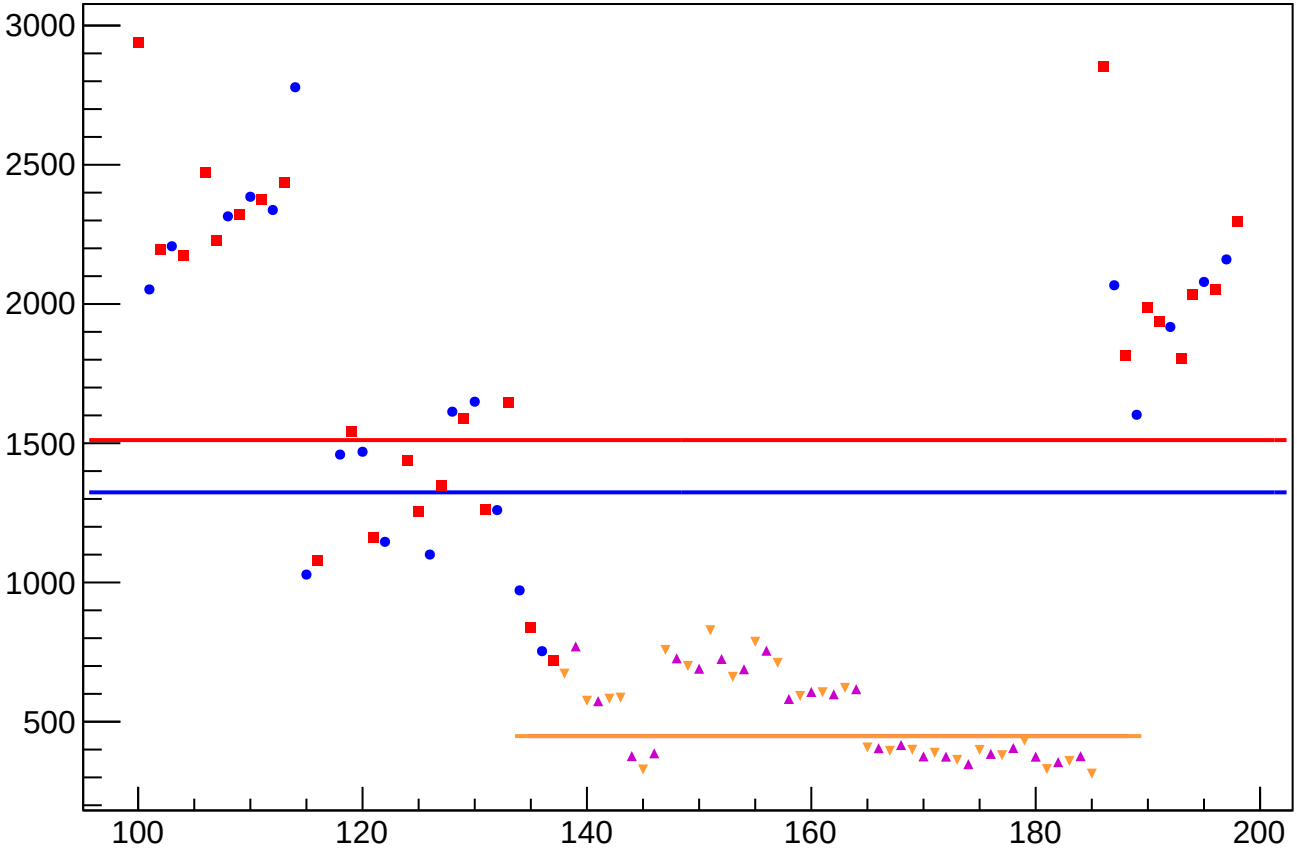
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 348.037+/-103.778 χ^2/NDF: 73.0/45

All: 181.628+/-74.234 χ^2/NDF: 136.1/95

- sign 7.266+/-106.229 χ^2/NDF: 57.8/49

asym_sam_26_avg_rms vs Slug



Right In: 1323.632+/-0.310 χ^2/NDF: 2918174.5/20

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1511.290+/-0.318 χ^2/NDF: 2943230.0/26

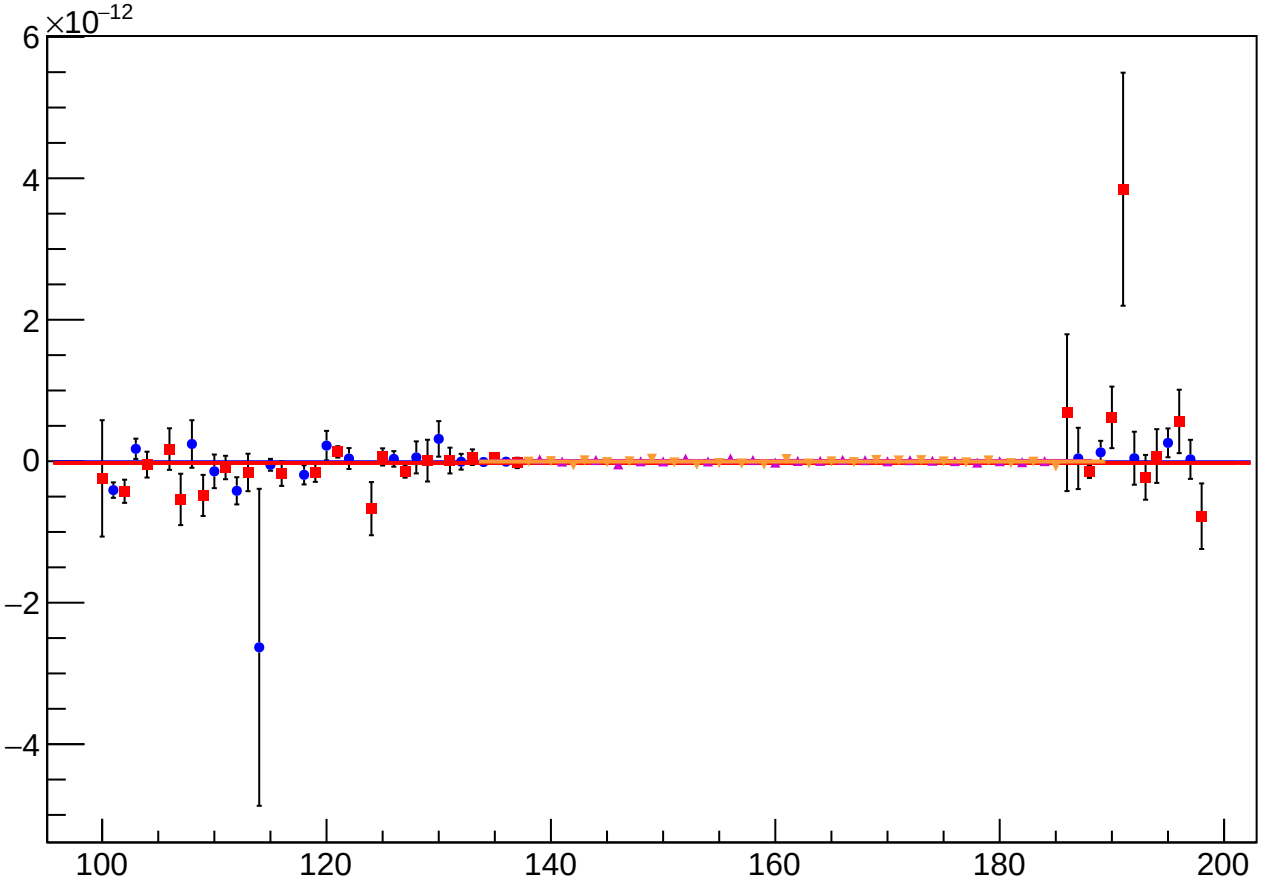
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 497.267+/-0.073 χ^2/NDF: 13592796.7/45

All: 502.297+/-0.052 χ^2/NDF: 29692303.5/95

- sign 507.567+/-0.075 χ^2/NDF: 16089885.3/49

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

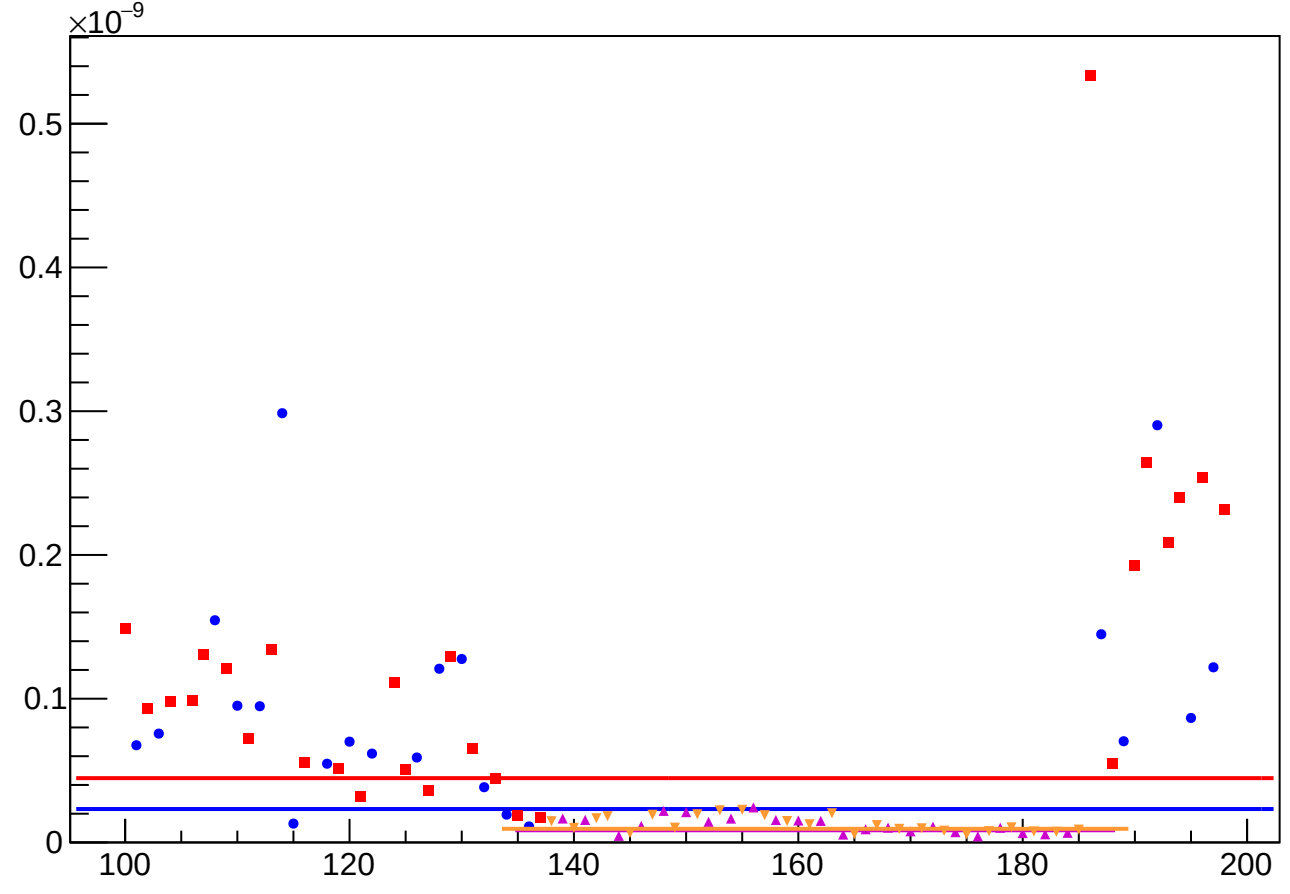
Right Out: -0.000+/-0.000 χ^2/NDF: 40.5/26

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.9/45

All: -0.000+/-0.000 χ^2/NDF: 113.7/95

- sign 0.000+/-0.000 χ^2/NDF: 58.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 5200917.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

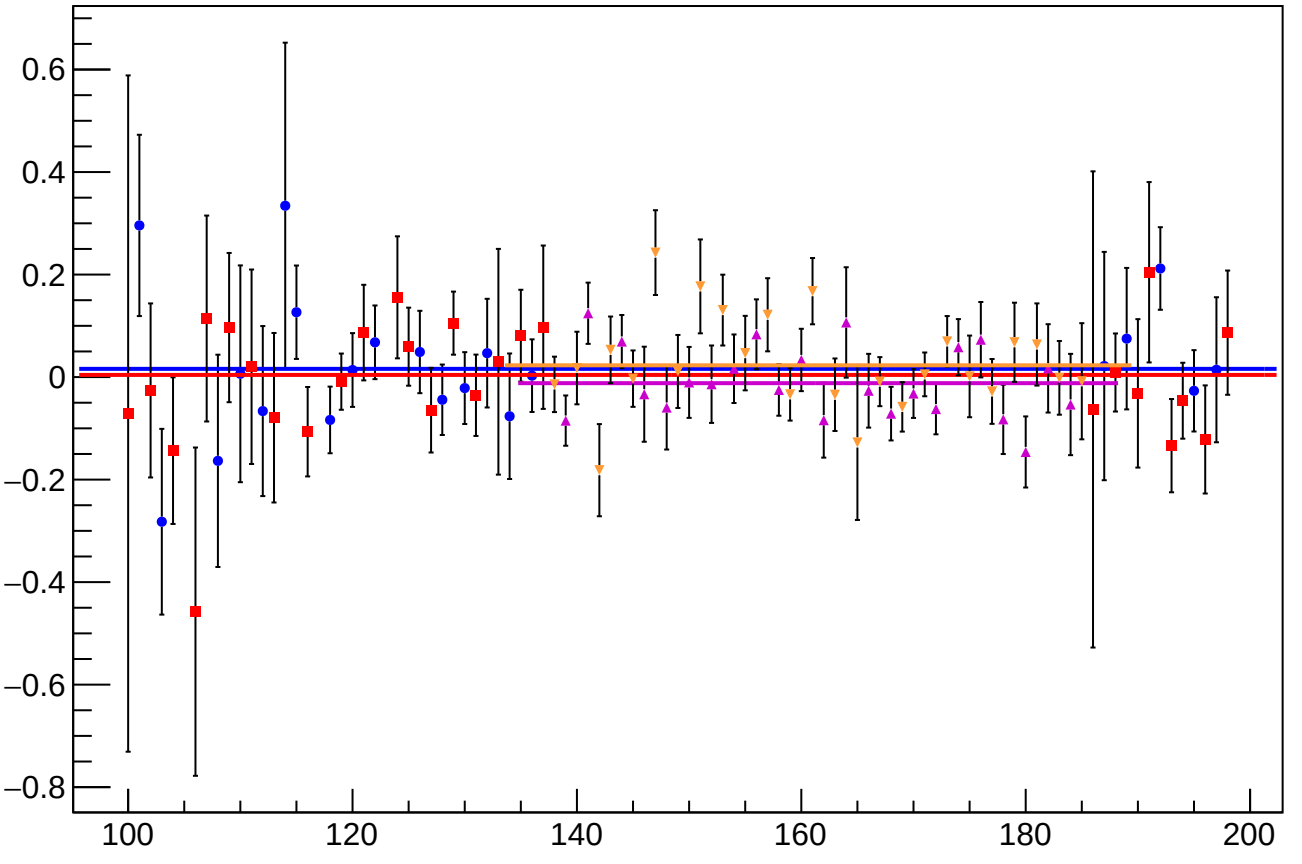
Right Out: 0.000+/-0.000 χ^2/NDF: 4667648.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8791783.7/45

All: 0.000+/-0.000 χ^2/NDF: 20045265.3/95

- sign 0.000+/-0.000 χ^2/NDF: 11194293.2/49



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/20

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.004+/-0.020 χ^2/NDF: 19.5/26

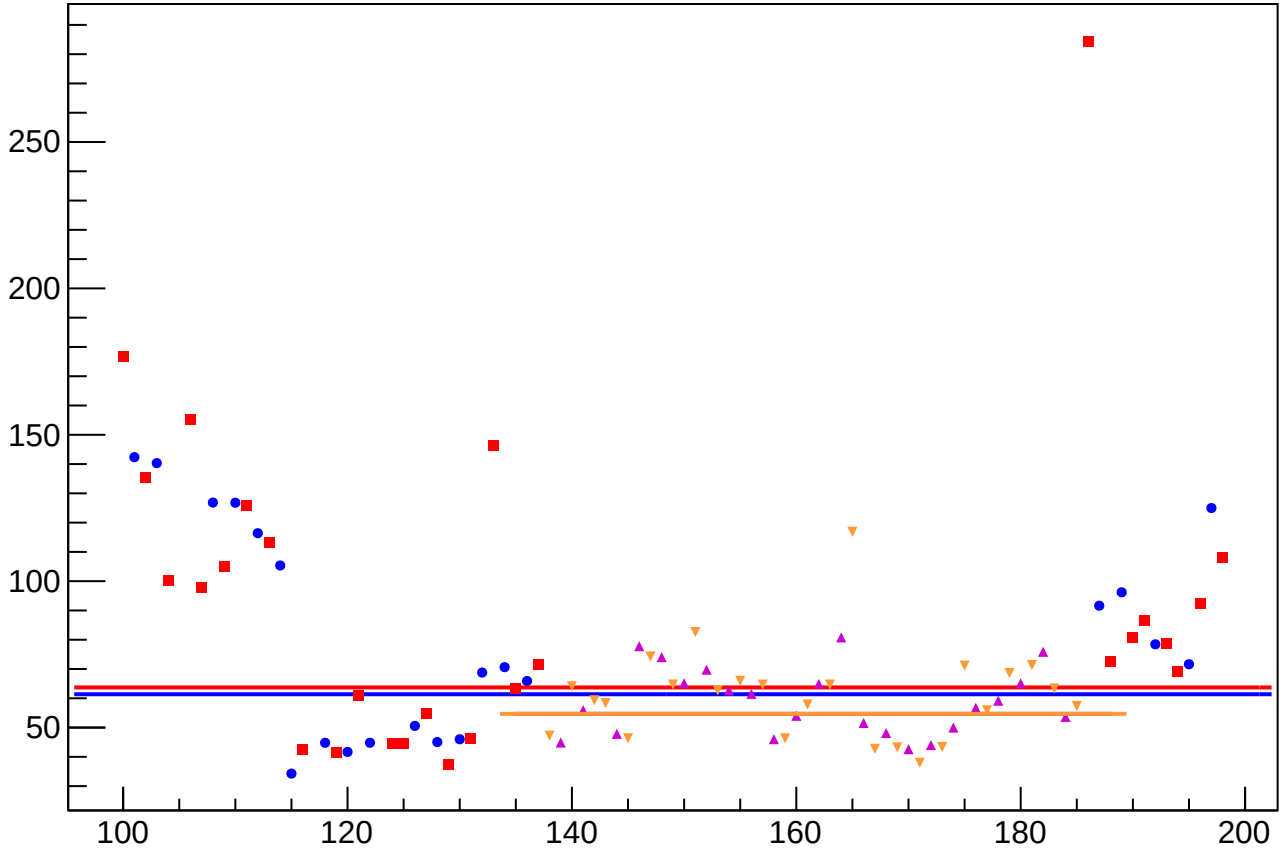
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.021+/-0.011 χ^2/NDF: 54.1/45

All: 0.007+/-0.008 χ^2/NDF: 103.2/95

- sign -0.007+/-0.011 χ^2/NDF: 45.8/49

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.382+/-0.015 χ^2/NDF: 2978126.3/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

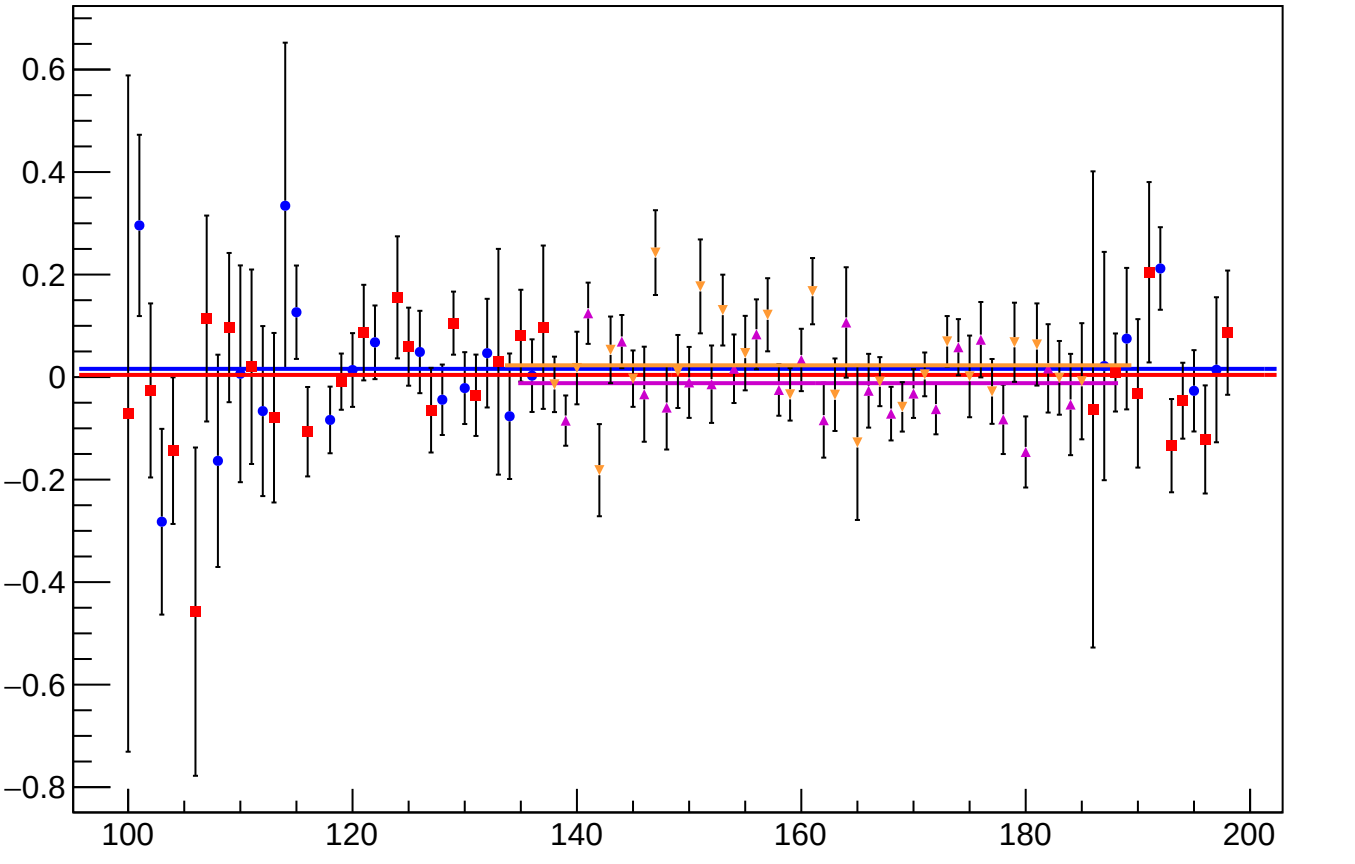
Right Out: 63.703+/-0.014 χ^2/NDF: 3750800.4/26

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.522+/-0.008 χ^2/NDF: 5061742.2/45

All: 56.990+/-0.006 χ^2/NDF: 10294957.3/95

- sign 57.461+/-0.008 χ^2/NDF: 5225961.8/49



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/20

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

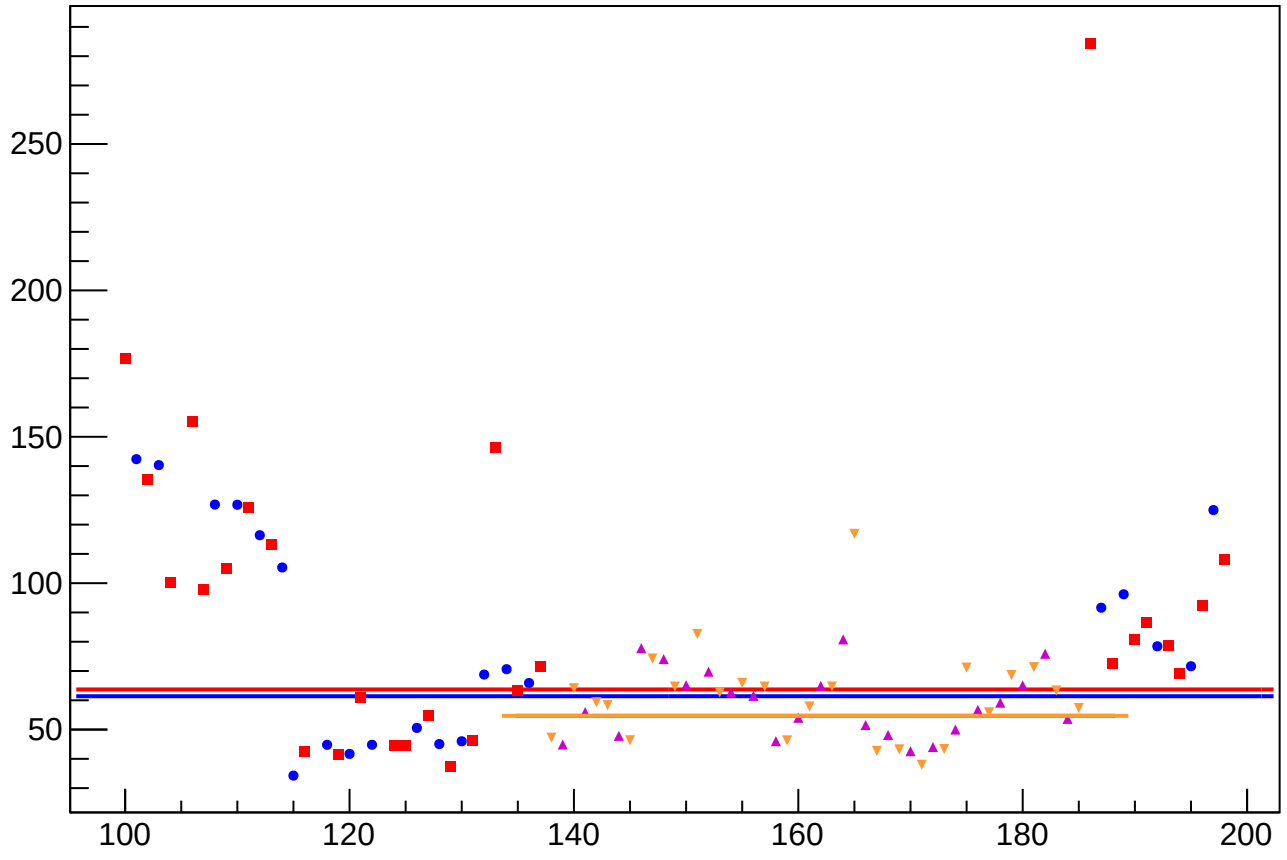
Right Out: 0.004+/-0.020 χ^2/NDF: 19.5/26

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.021+/-0.011 χ^2/NDF: 54.1/45

All: 0.007+/-0.008 χ^2/NDF: 103.2/95

- sign -0.007+/-0.011 χ^2/NDF: 45.8/49



Right In: 61.382+/-0.015 χ^2/NDF: 2978126.3/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

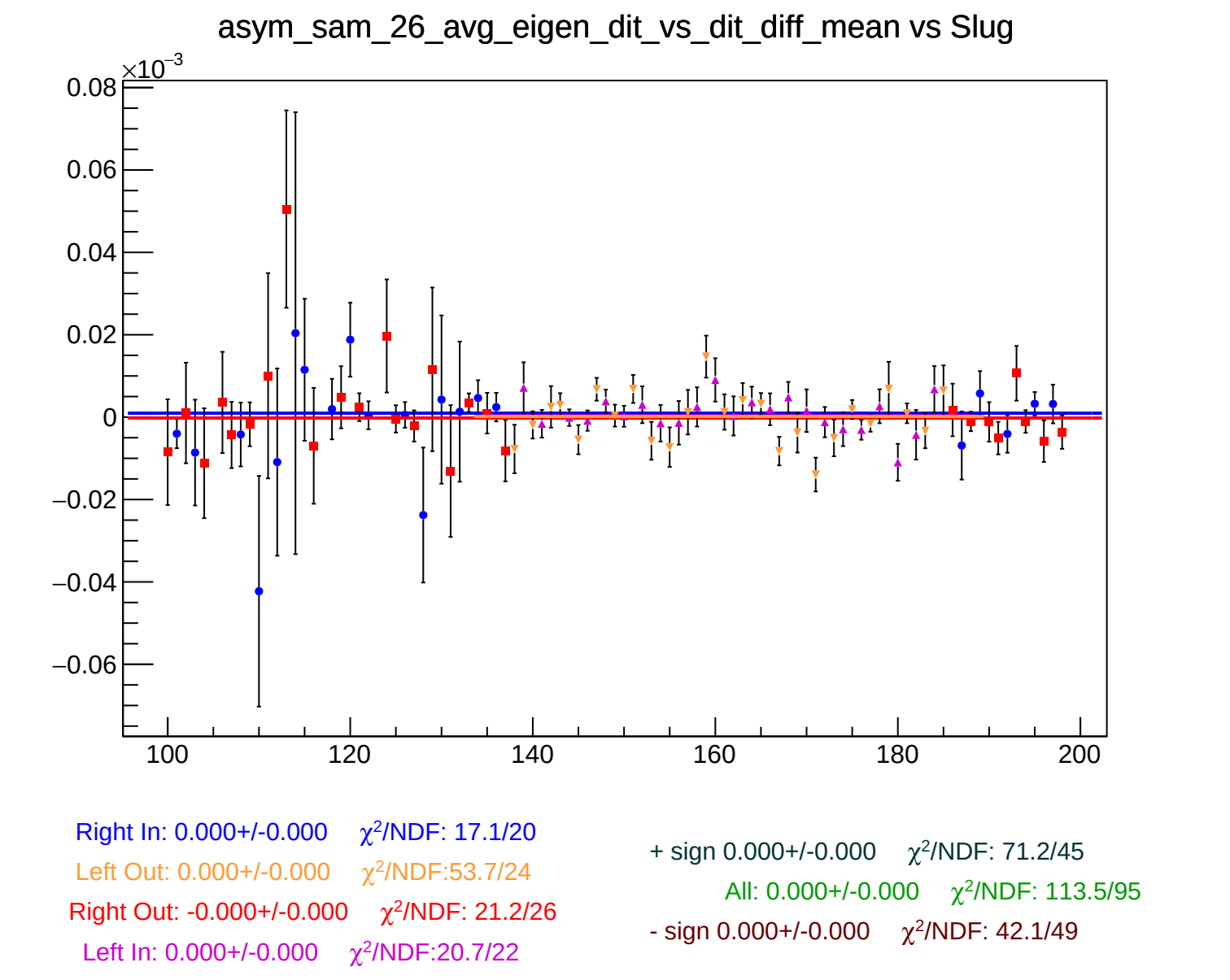
Right Out: 63.703+/-0.014 χ^2/NDF: 3750800.4/26

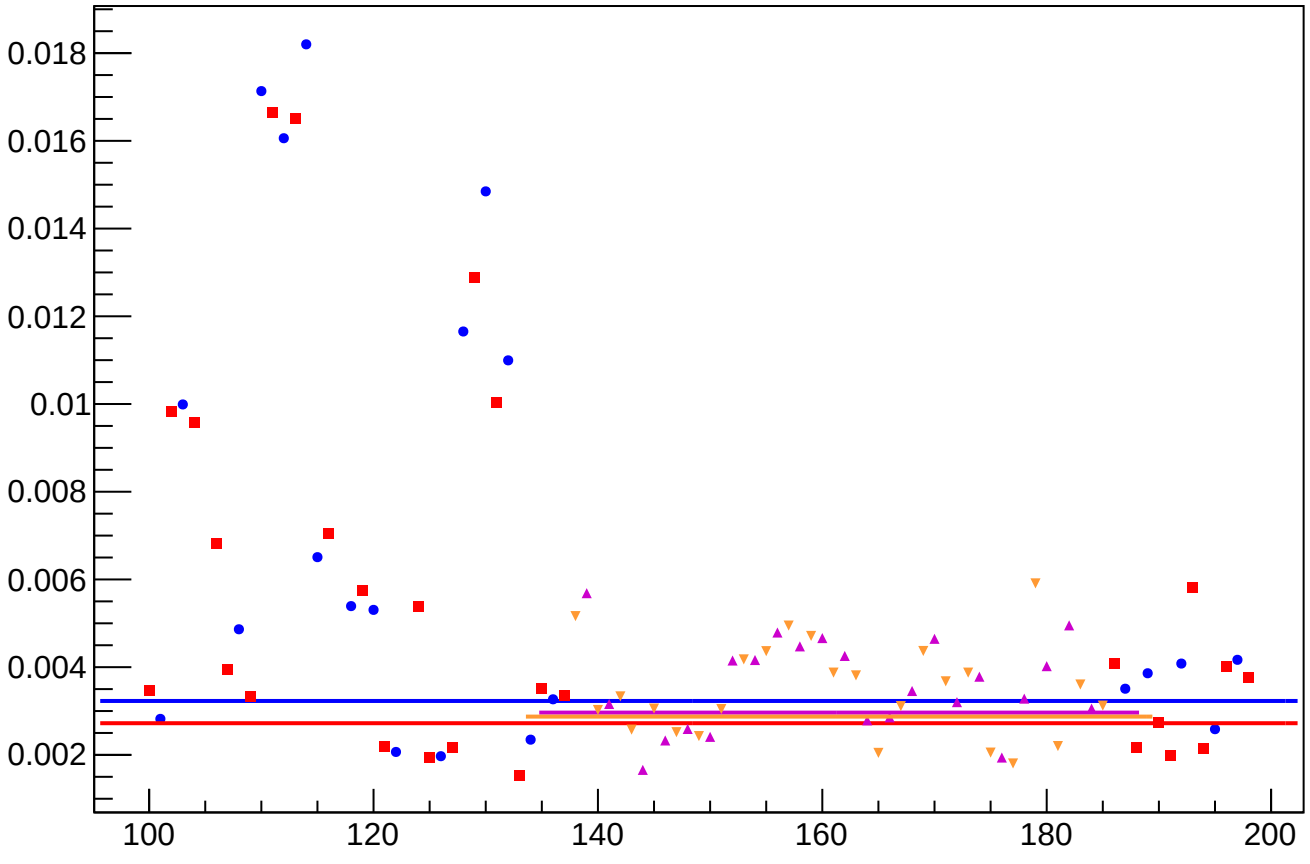
Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 56.522+/-0.008 χ^2/NDF: 5061742.2/45

All: 56.990+/-0.006 χ^2/NDF: 10294957.3/95

\- sign 57.461+/-0.008 χ^2/NDF: 5225961.8/49


asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 17.1/20
Left Out: 0.000+/-0.000 χ²/NDF:53.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/26
Left In: 0.000+/-0.000 χ²/NDF:20.7/22
+ sign 0.000+/-0.000 χ²/NDF: 71.2/45
All: 0.000+/-0.000 χ²/NDF: 113.5/95
- sign 0.000+/-0.000 χ²/NDF: 42.1/49



Right In: 0.003+/-0.000 χ^2/NDF: 4830364.0/20

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

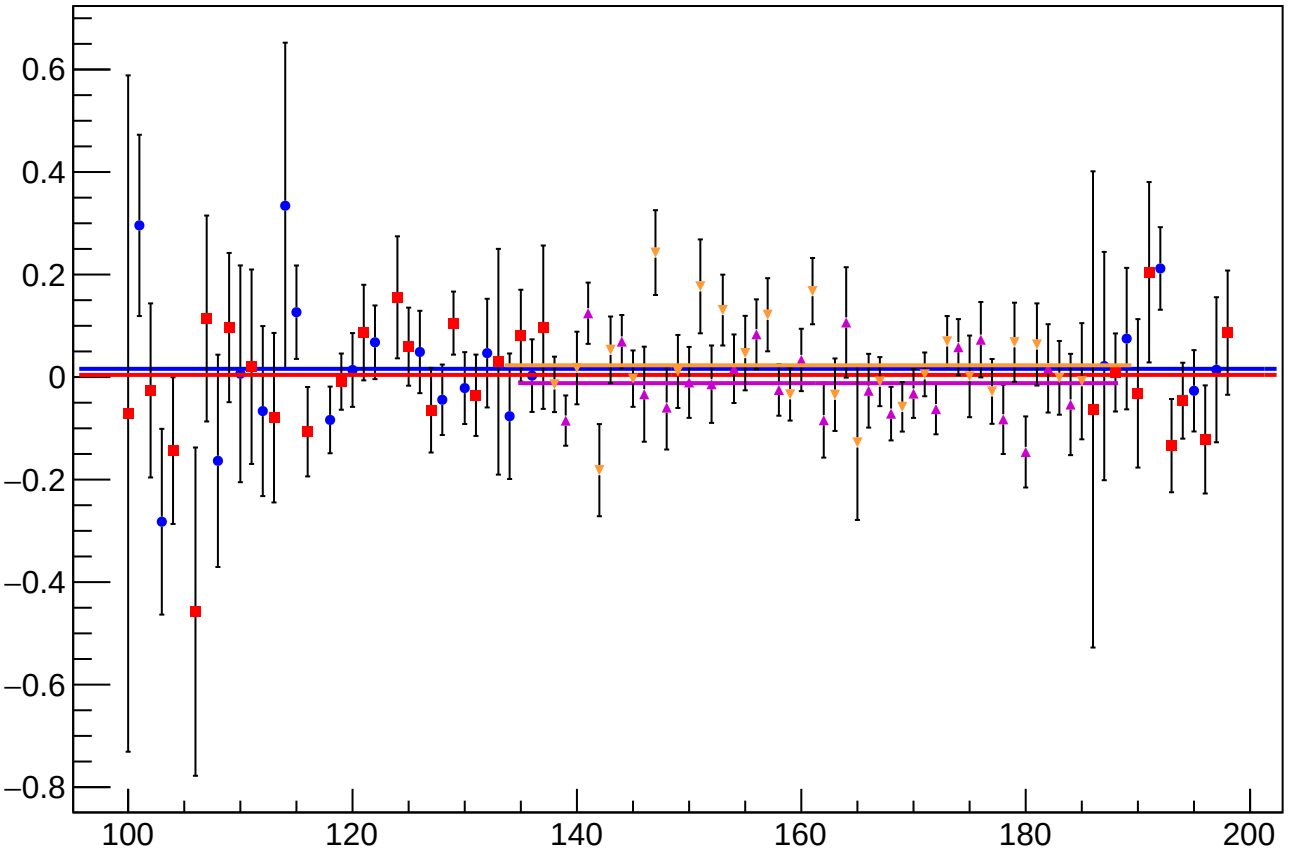
Right Out: 0.003+/-0.000 χ^2/NDF: 6201335.6/26

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8572015.4/45

All: 0.003+/-0.000 χ^2/NDF: 18503754.8/95

- sign 0.003+/-0.000 χ^2/NDF: 9903377.0/49



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/20

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

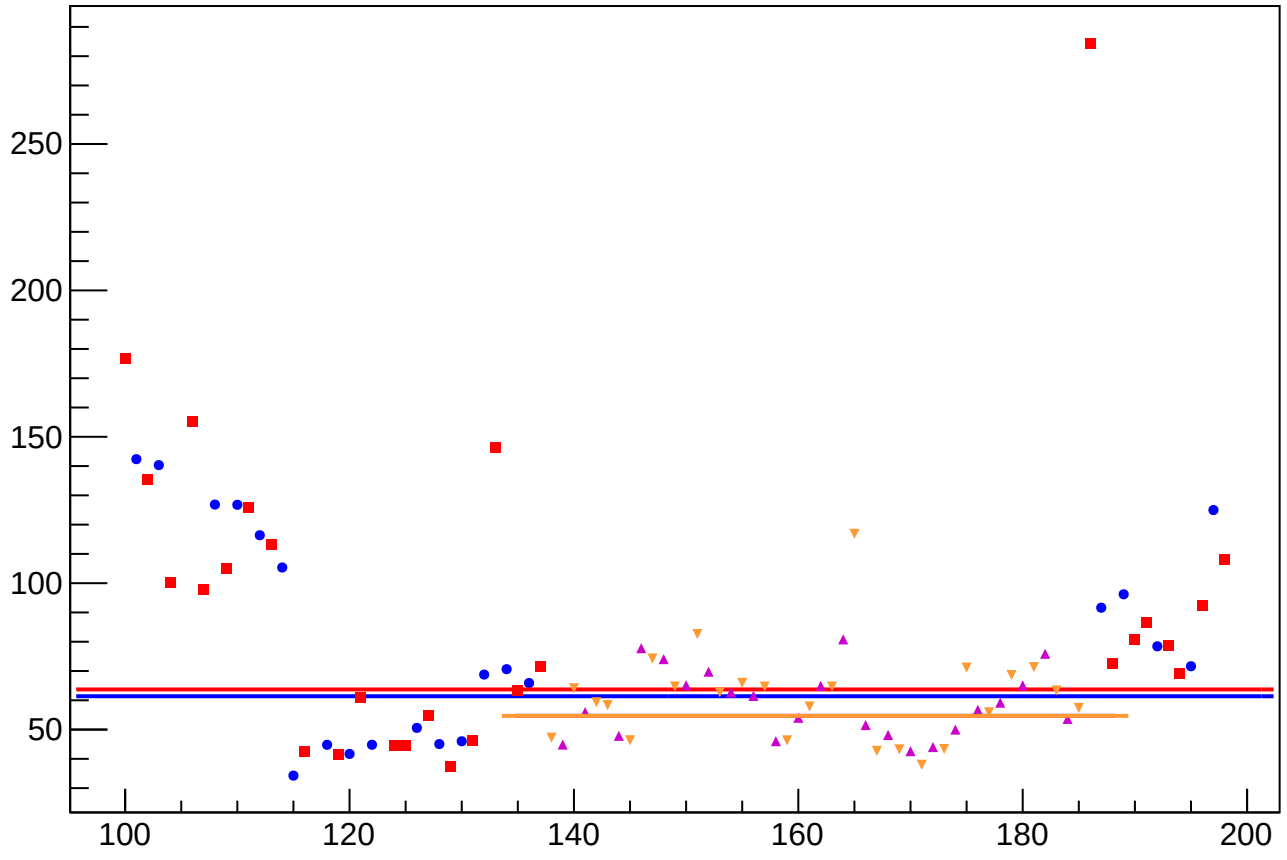
Right Out: 0.004+/-0.020 χ^2/NDF: 19.5/26

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.021+/-0.011 χ^2/NDF: 54.1/45

All: 0.007+/-0.008 χ^2/NDF: 103.2/95

- sign -0.007+/-0.011 χ^2/NDF: 45.8/49



Right In: 61.382+/-0.015 χ^2/NDF: 2978089.2/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

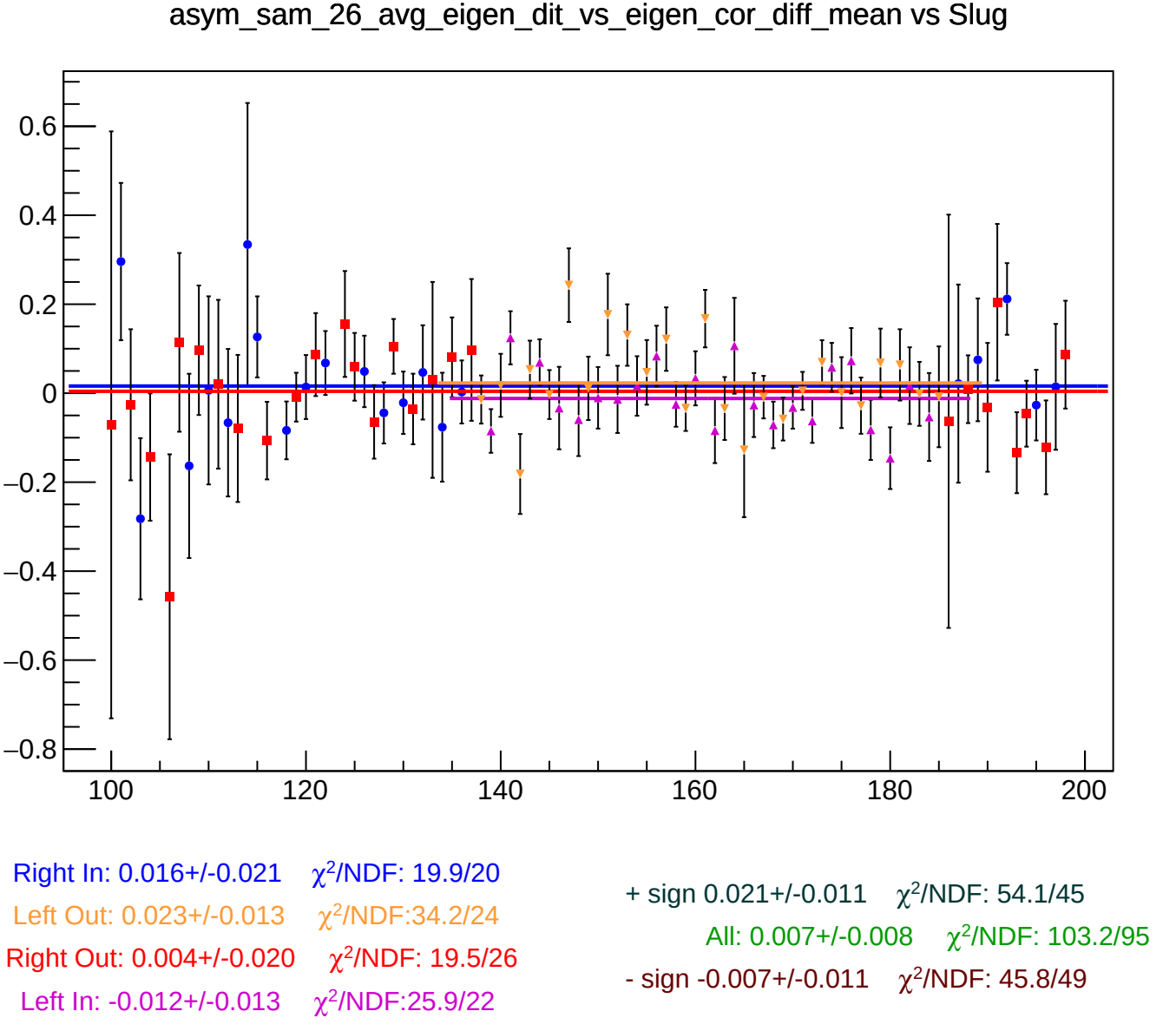
Right Out: 63.703+/-0.014 χ^2/NDF: 3750776.6/26

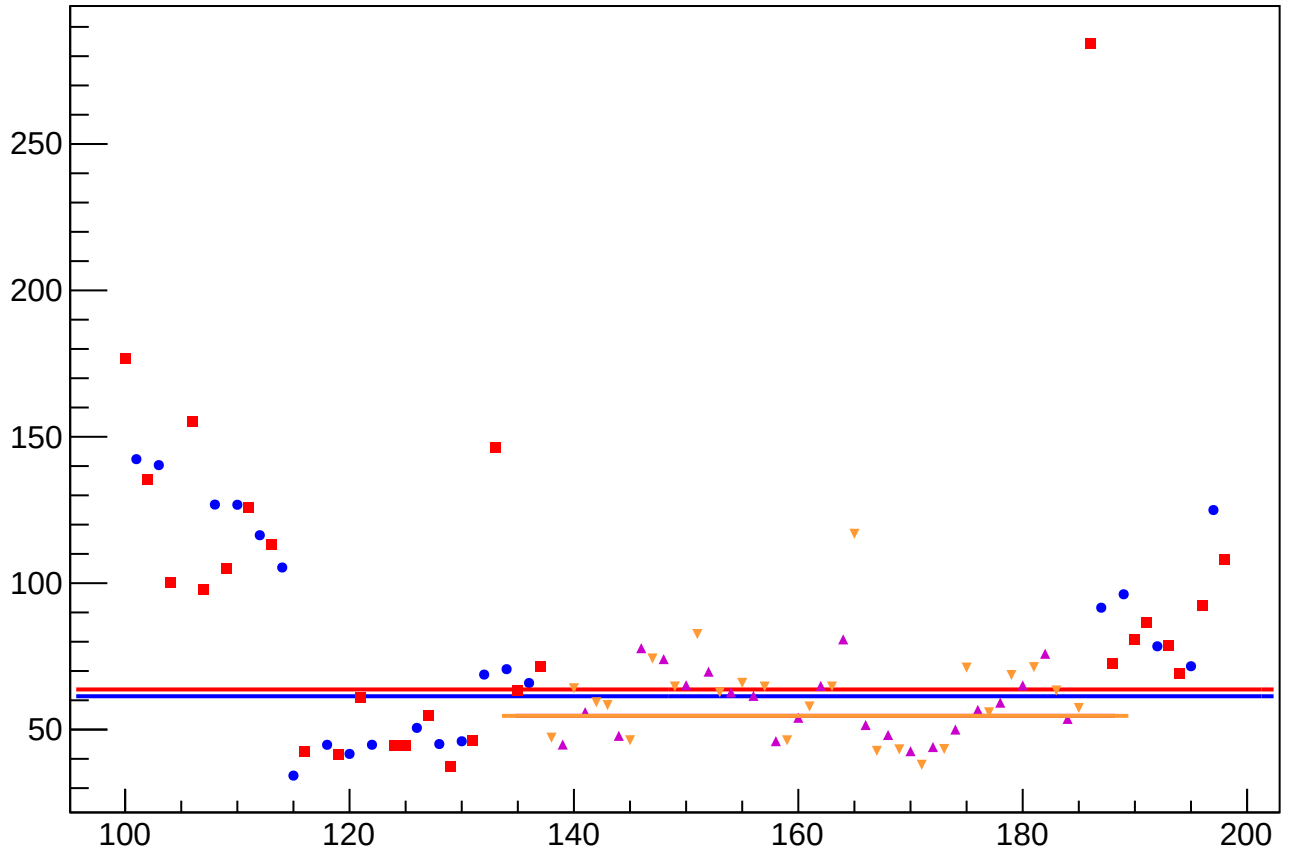
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.522+/-0.008 χ^2/NDF: 5061668.6/45

All: 56.991+/-0.006 χ^2/NDF: 10294766.3/95

- sign 57.461+/-0.008 χ^2/NDF: 5225843.7/49


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.016+/-0.021 χ²/NDF: 19.9/20
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: 0.004+/-0.020 χ²/NDF: 19.5/26
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.021+/-0.011 χ²/NDF: 54.1/45
All: 0.007+/-0.008 χ²/NDF: 103.2/95
- sign -0.007+/-0.011 χ²/NDF: 45.8/49



Right In: 61.382+/-0.015 χ^2/NDF: 2978089.2/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.703+/-0.014 χ^2/NDF: 3750776.6/26

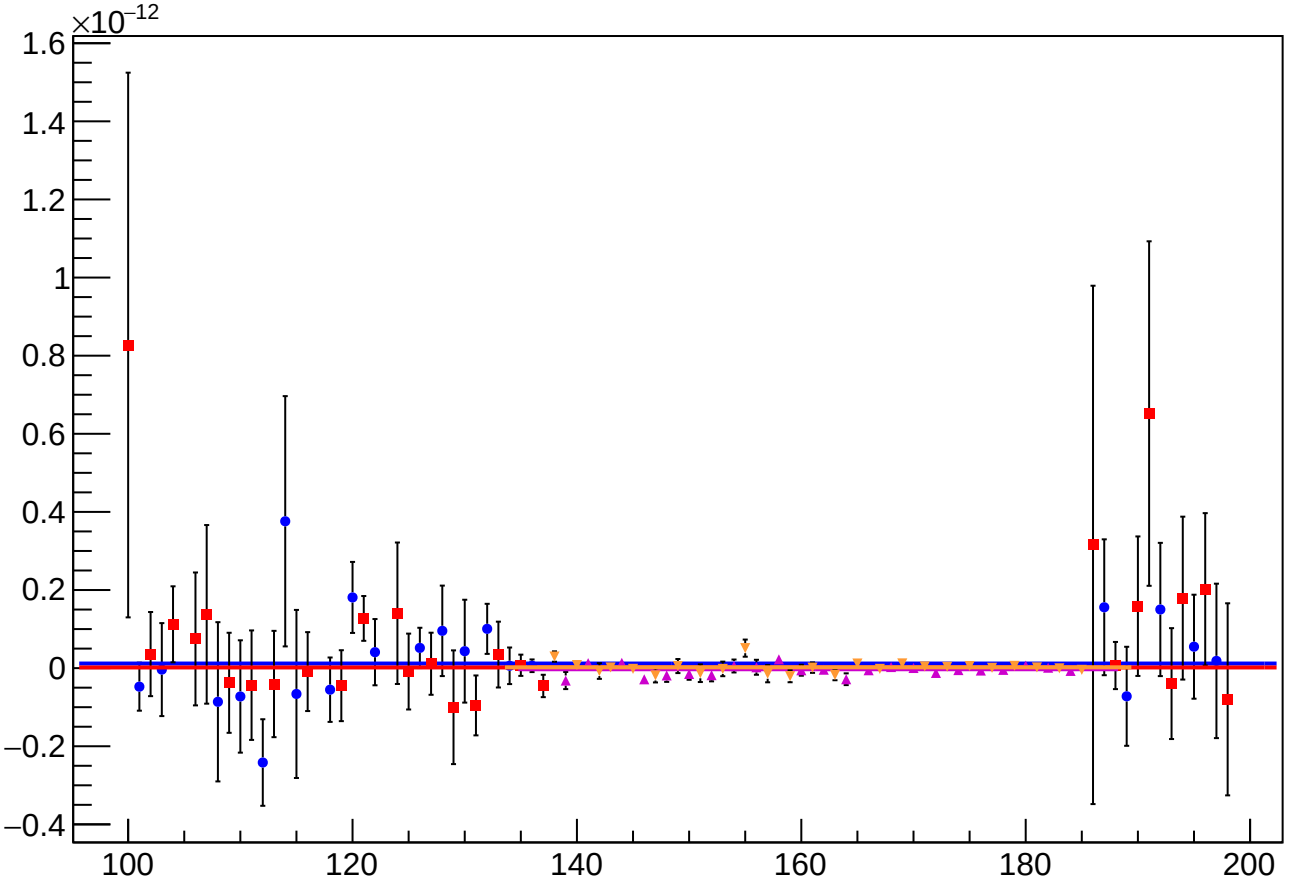
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.522+/-0.008 χ^2/NDF: 5061668.6/45

All: 56.991+/-0.006 χ^2/NDF: 10294766.3/95

- sign 57.461+/-0.008 χ^2/NDF: 5225843.7/49

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

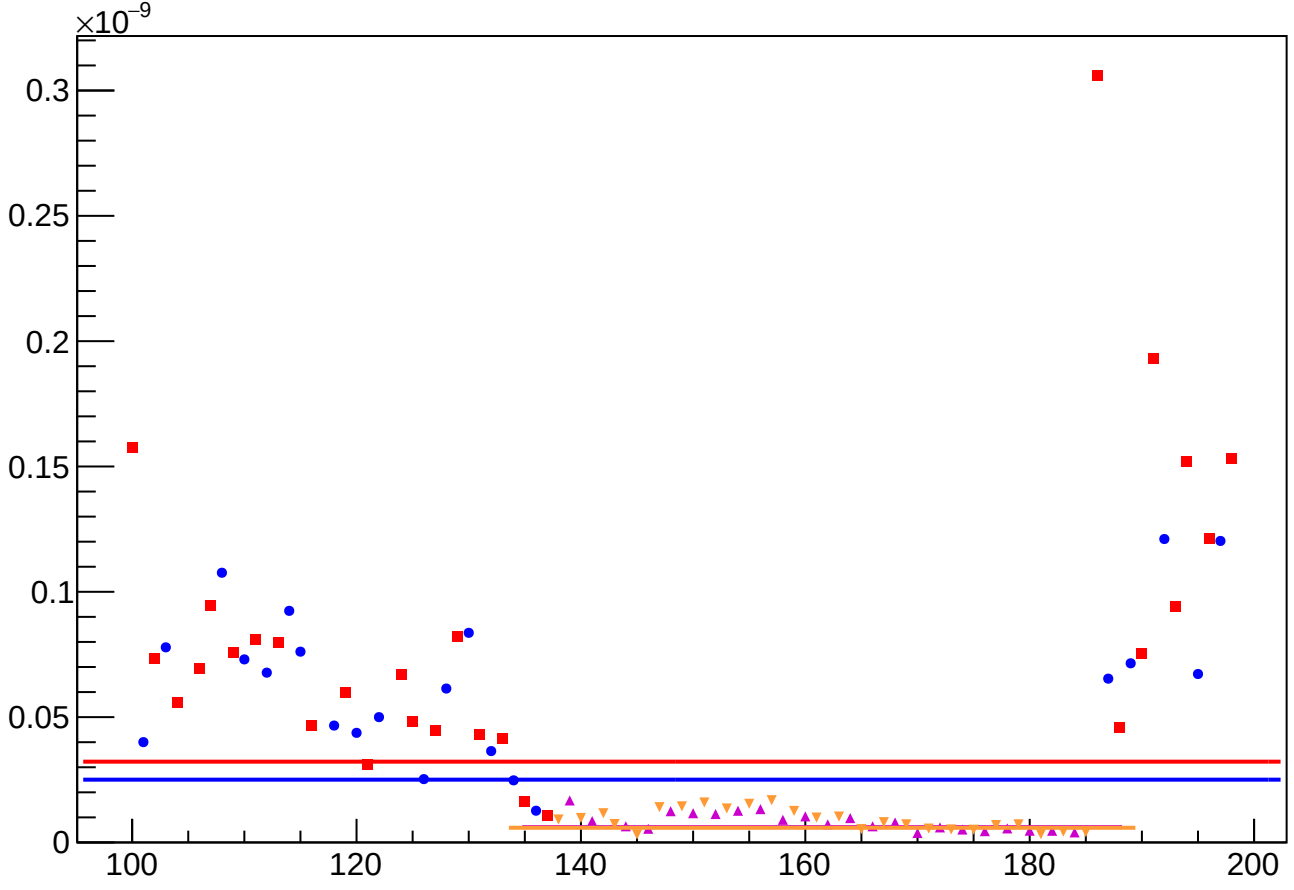
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/26

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/45

All: -0.000+/-0.000 χ^2/NDF: 95.2/95

- sign -0.000+/-0.000 χ^2/NDF: 52.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 5456792.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6717754.2/26

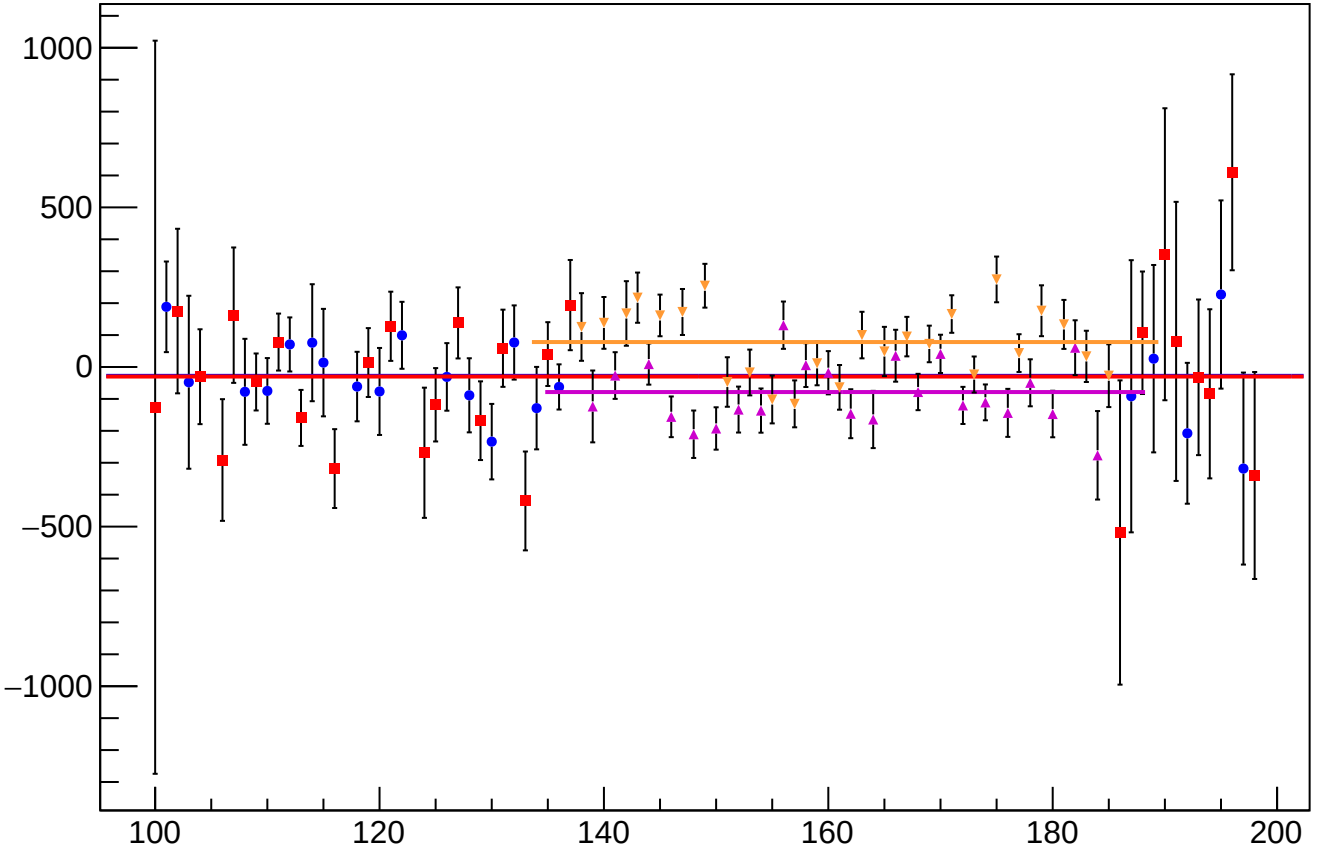
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15443023.9/45

All: 0.000+/-0.000 χ^2/NDF: 31648935.9/95

- sign 0.000+/-0.000 χ^2/NDF: 16180328.7/49

reg_asym_sam_37_avg_mean vs Slug



Right In: -27.729+/-28.211 χ^2/NDF: 13.4/20

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -29.906+/-27.442 χ^2/NDF: 37.8/26

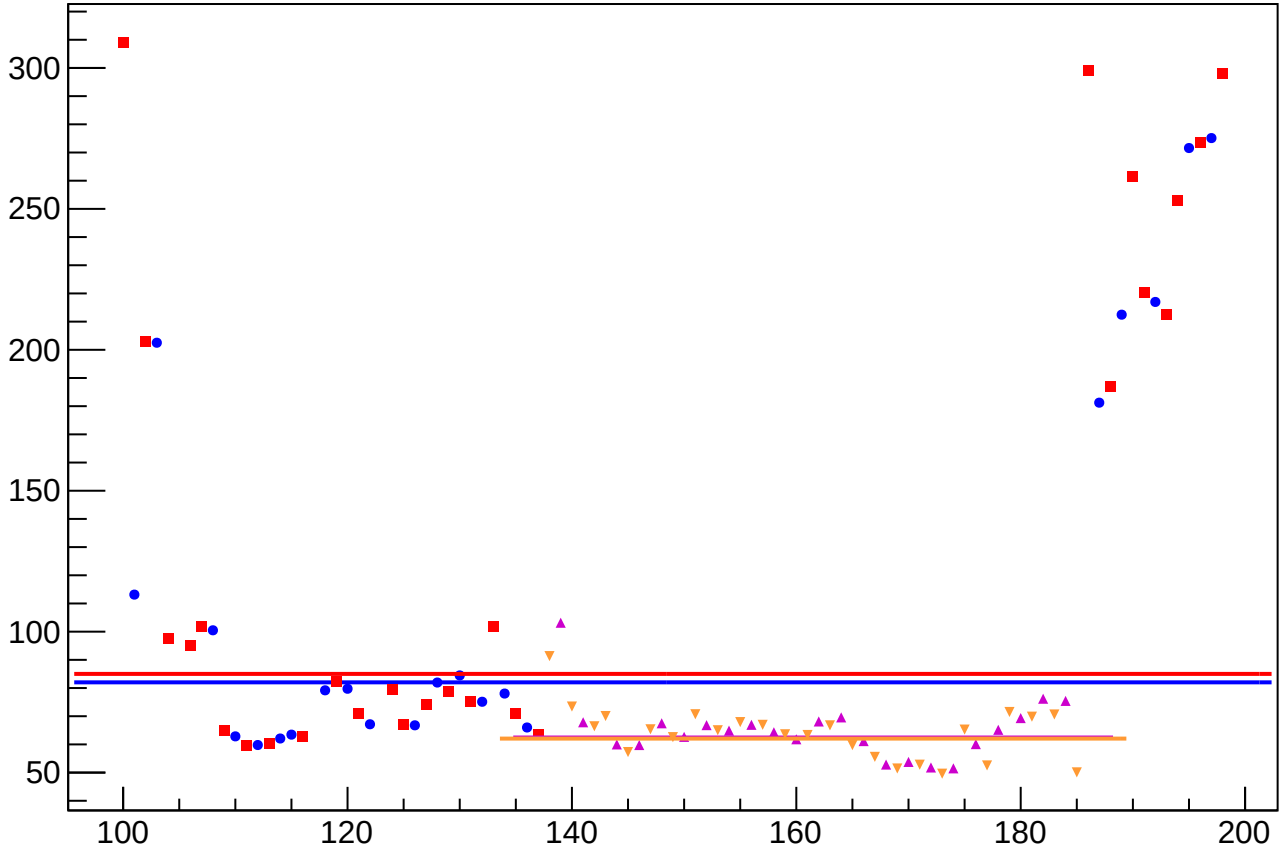
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.452+/-12.773 χ^2/NDF: 78.5/45

All: -4.292+/-9.123 χ^2/NDF: 201.5/95

- sign -67.543+/-13.034 χ^2/NDF: 76.8/49

reg_asym_sam_37_avg_rms vs Slug



Right In: 82.017+/-0.020 χ^2/NDF: 3870907.7/20

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 85.014+/-0.019 χ^2/NDF: 5669238.2/26

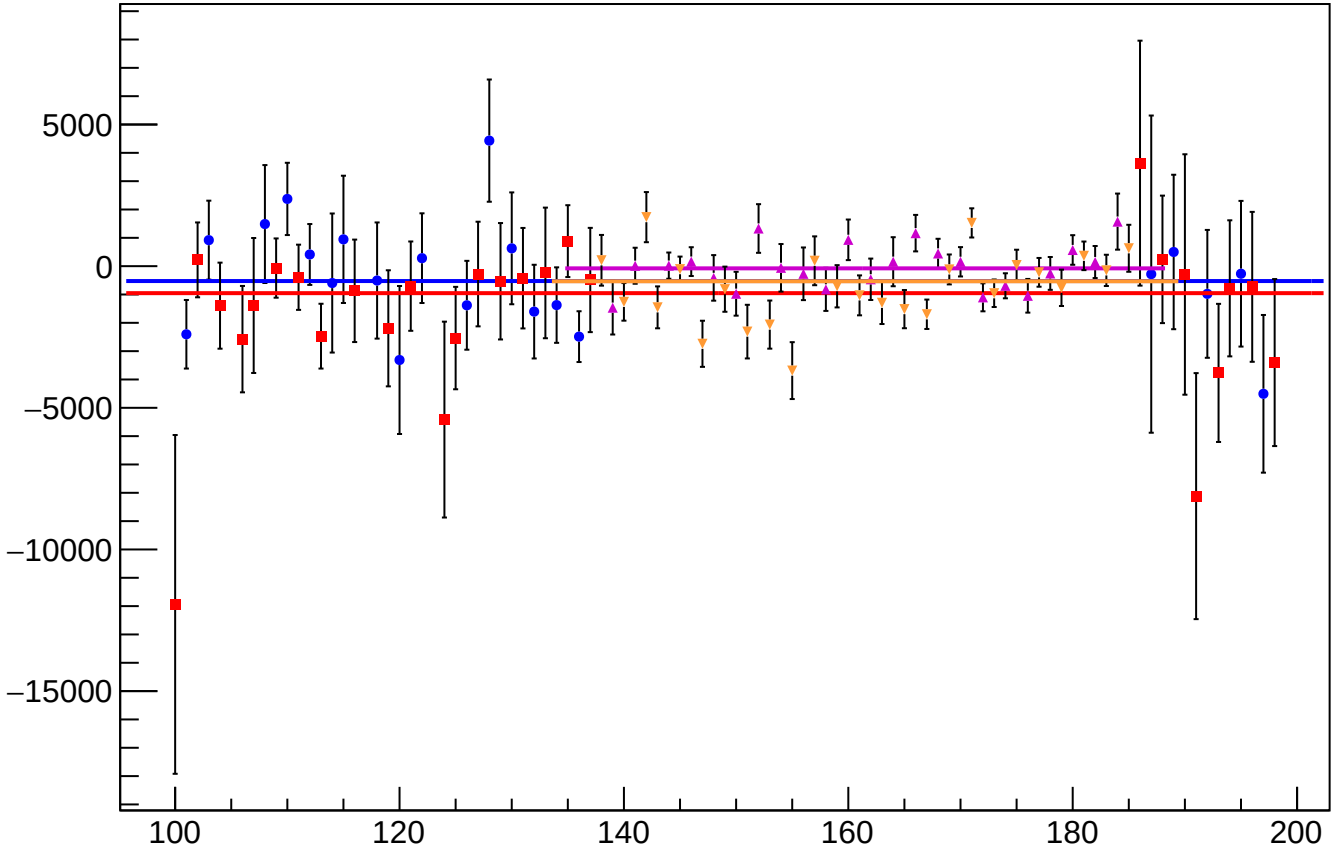
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.153+/-0.009 χ^2/NDF: 5352915.0/45

All: 66.831+/-0.006 χ^2/NDF: 12745811.1/95

- sign 67.536+/-0.009 χ^2/NDF: 7381407.1/49

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -525.287+/-359.137 χ^2/NDF: 26.0/20

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -952.519+/-349.722 χ^2/NDF: 19.3/26

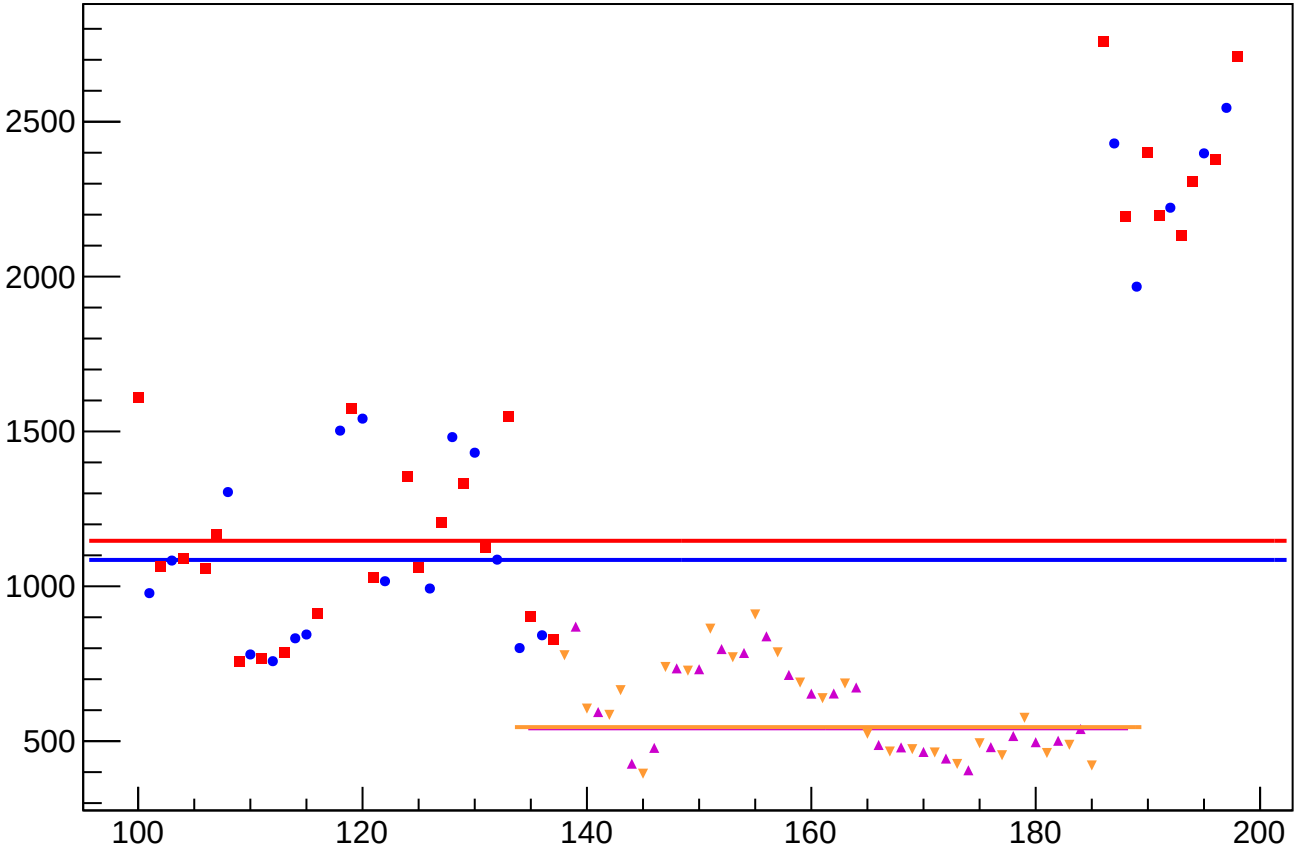
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -531.935+/-120.510 χ^2/NDF: 95.1/45

All: -360.315+/-85.775 χ^2/NDF: 152.3/95

- sign -184.092+/-122.115 χ^2/NDF: 53.1/49

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1085.159+/-0.254 χ^2/NDF: 2808566.8/20

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1146.909+/-0.247 χ^2/NDF: 3869195.7/26

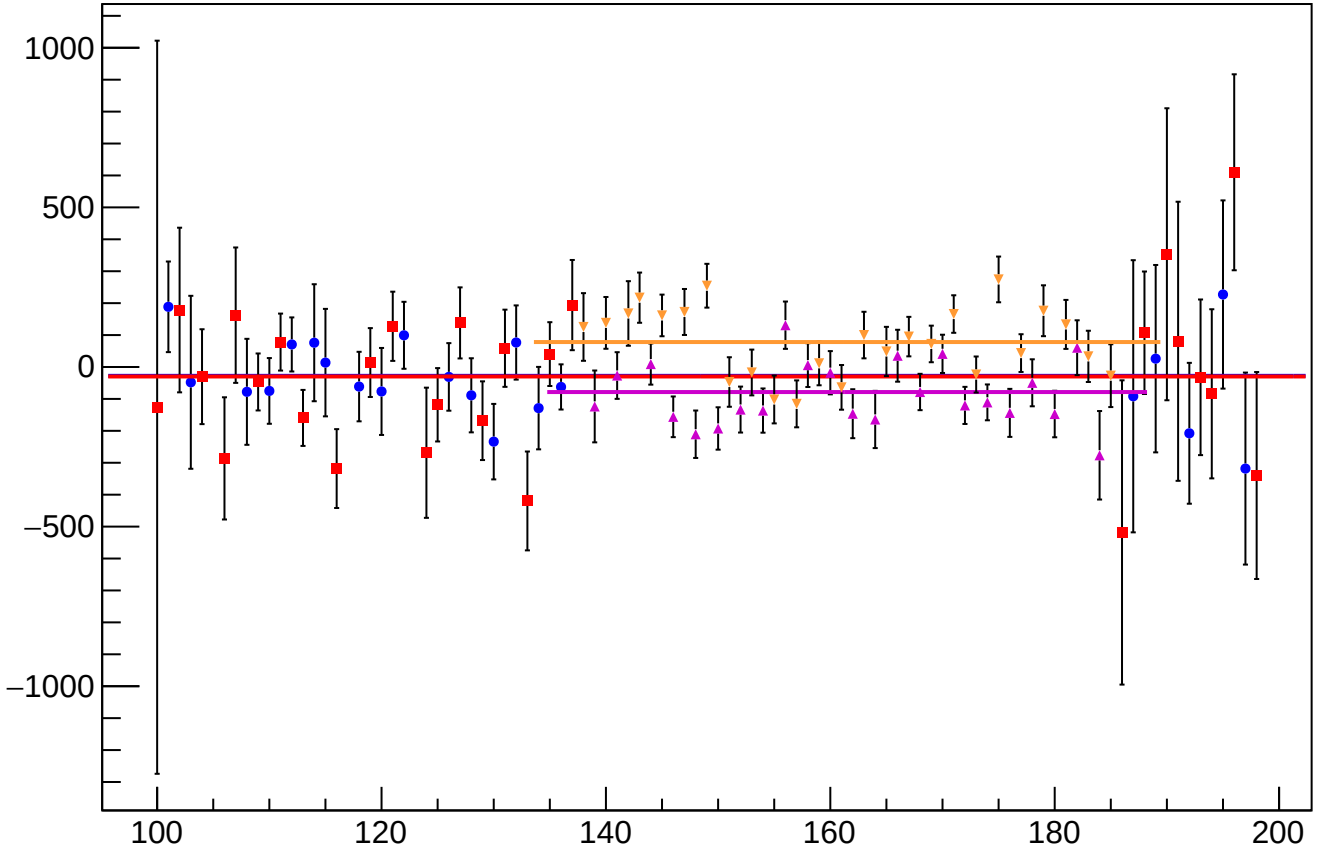
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 606.090+/-0.085 χ^2/NDF: 8902636.5/45

All: 610.622+/-0.061 χ^2/NDF: 19881401.9/95

- sign 615.277+/-0.086 χ^2/NDF: 10973030.4/49

cor_asym_sam_37_avg_mean vs Slug



Right In: -27.736+/-28.211 χ^2/NDF: 13.4/20

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -29.717+/-27.445 χ^2/NDF: 37.7/26

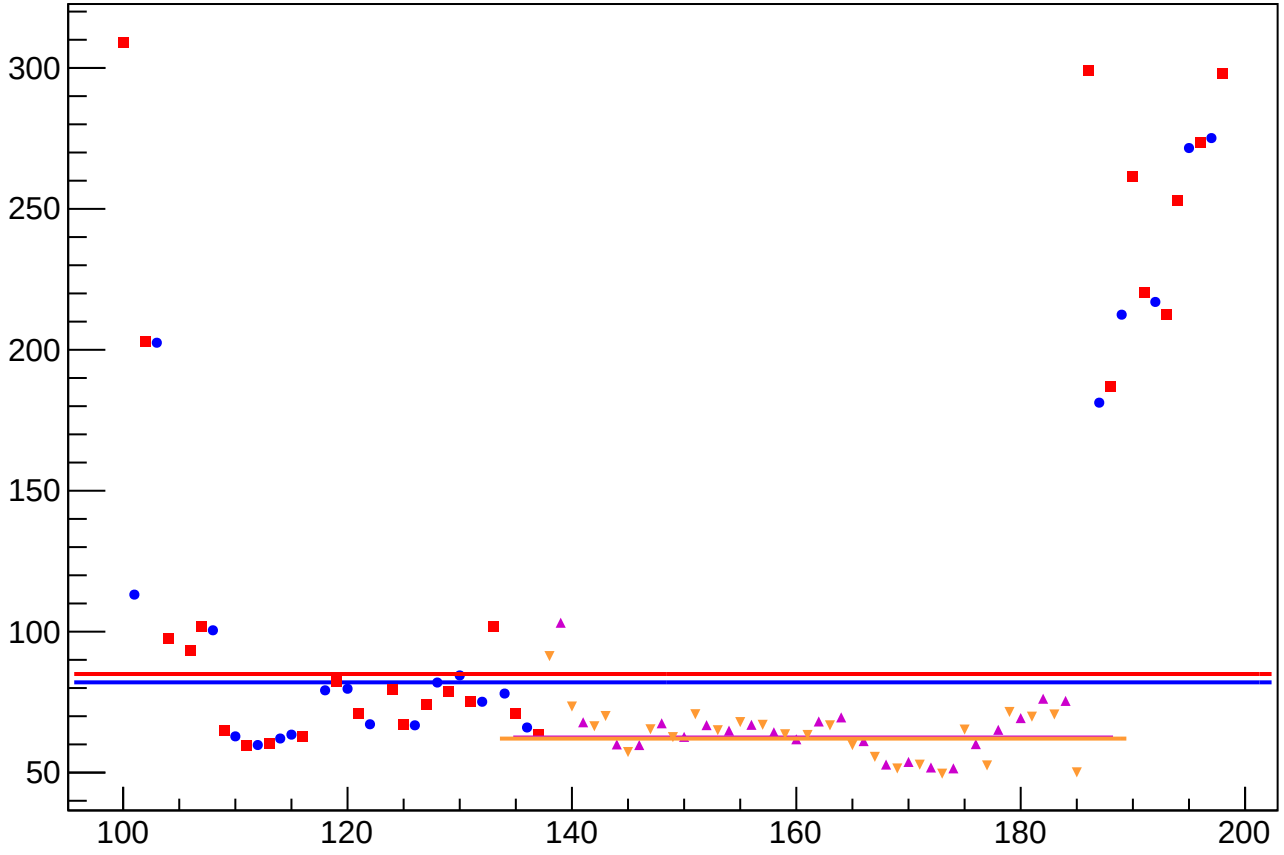
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.453+/-12.773 χ^2/NDF: 78.5/45

All: -4.269+/-9.123 χ^2/NDF: 201.4/95

- sign -67.502+/-13.034 χ^2/NDF: 76.8/49

cor_asym_sam_37_avg_rms vs Slug



Right In: 82.017+/-0.020 χ^2/NDF: 3870909.9/20

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 84.977+/-0.019 χ^2/NDF: 5667707.0/26

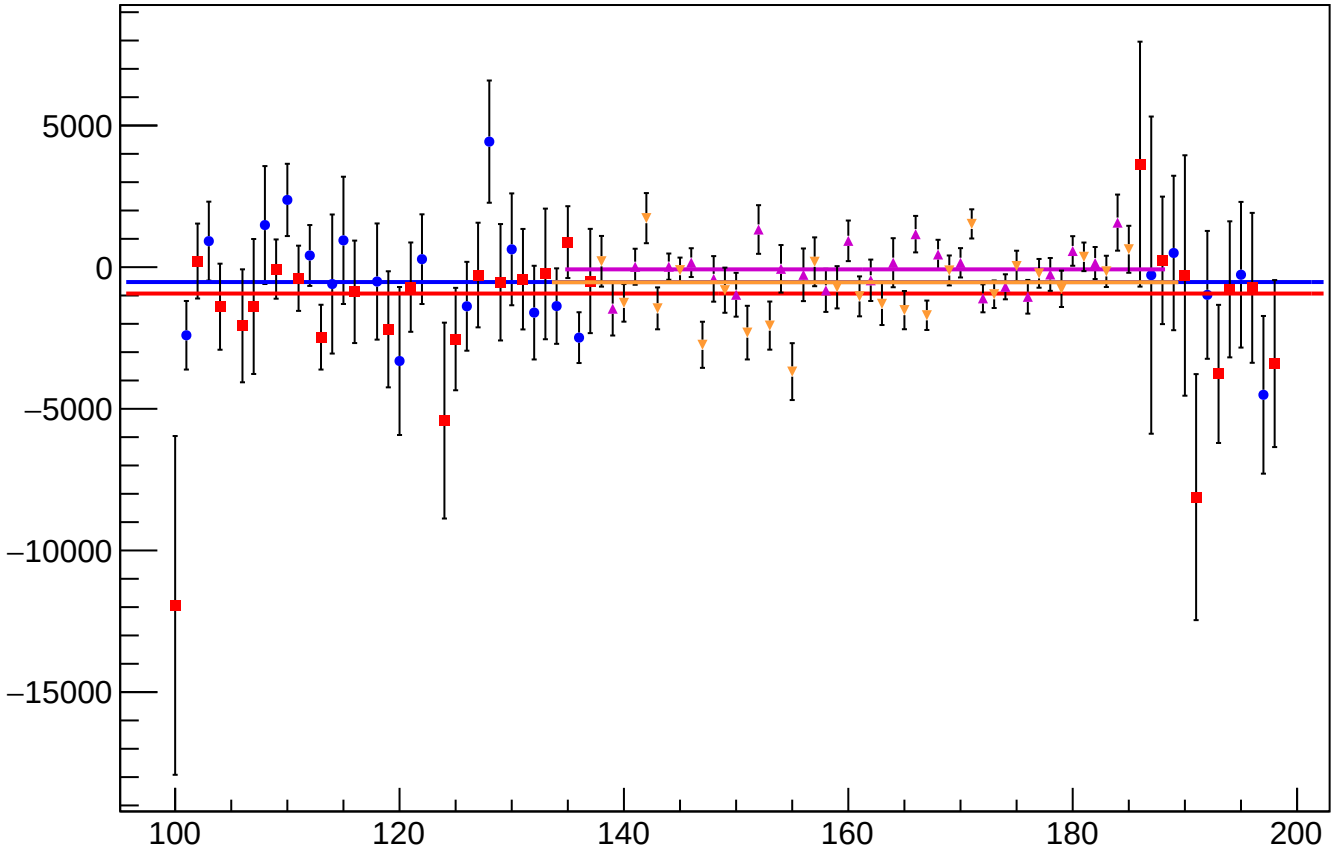
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.153+/-0.009 χ^2/NDF: 5352916.9/45

All: 66.826+/-0.006 χ^2/NDF: 12740563.2/95

- sign 67.527+/-0.009 χ^2/NDF: 7376307.4/49

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -525.276+/-359.139 χ^2/NDF: 26.0/20

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -931.135+/-350.430 χ^2/NDF: 18.8/26

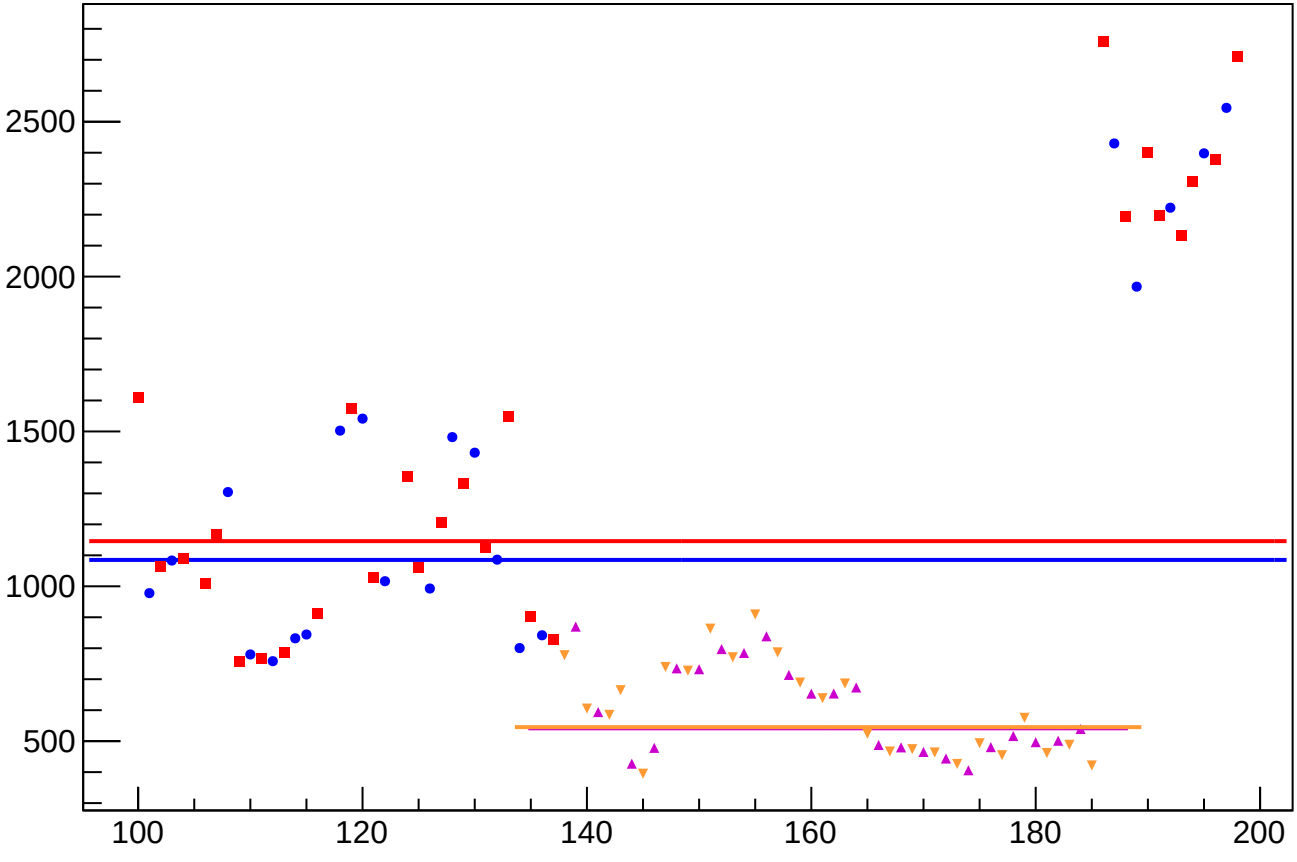
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -531.932+/-120.510 χ^2/NDF: 95.1/45

All: -358.887+/-85.785 χ^2/NDF: 151.7/95

- sign -181.115+/-122.145 χ^2/NDF: 52.4/49

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1085.166+/-0.254 χ^2/NDF: 2808569.1/20

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1145.839+/-0.248 χ^2/NDF: 3874008.5/26

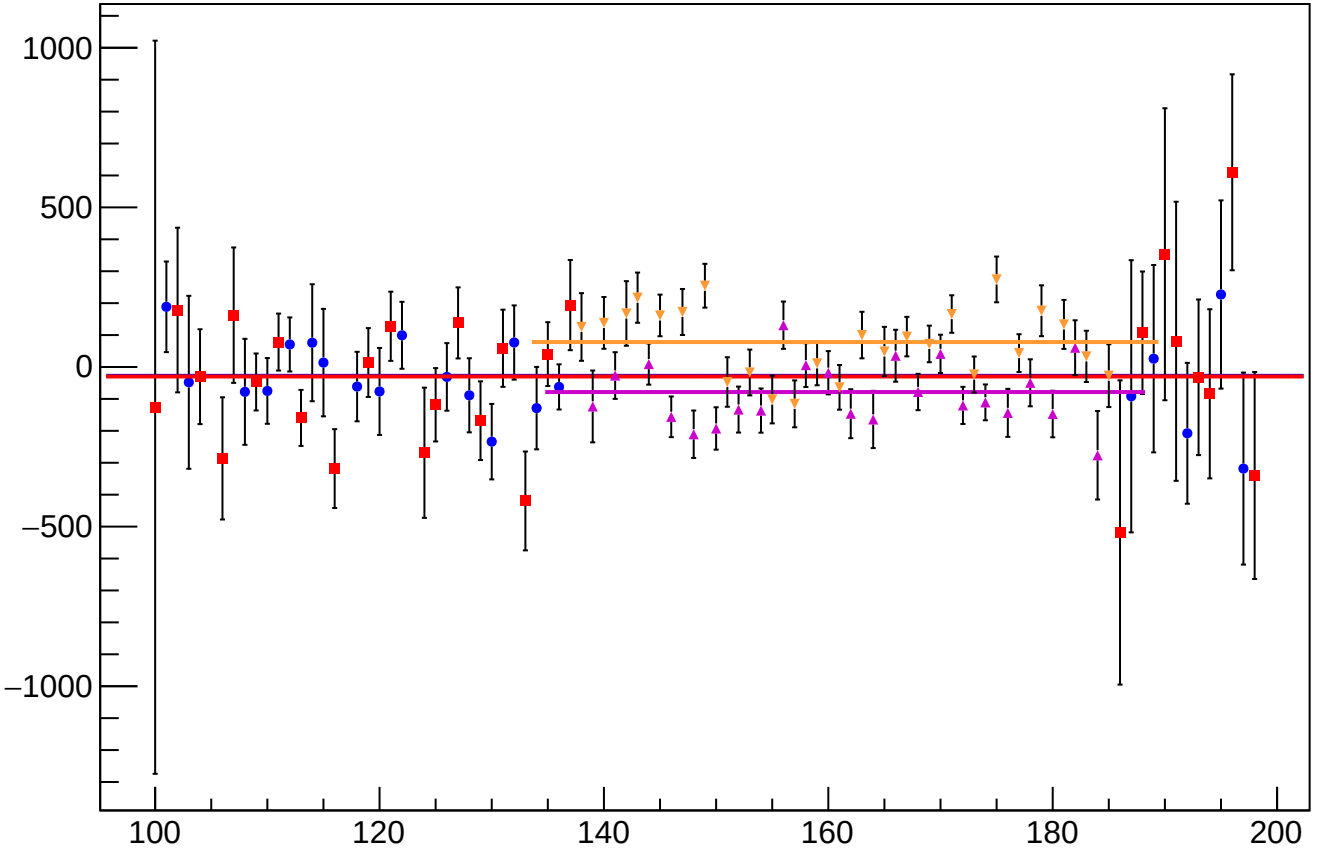
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 606.090+/-0.085 χ^2/NDF: 8902691.2/45

All: 610.428+/-0.061 χ^2/NDF: 19848601.6/95

- sign 614.885+/-0.086 χ^2/NDF: 10940655.1/49

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -27.736+/-28.211 χ^2/NDF: 13.4/20

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -29.717+/-27.445 χ^2/NDF: 37.7/26

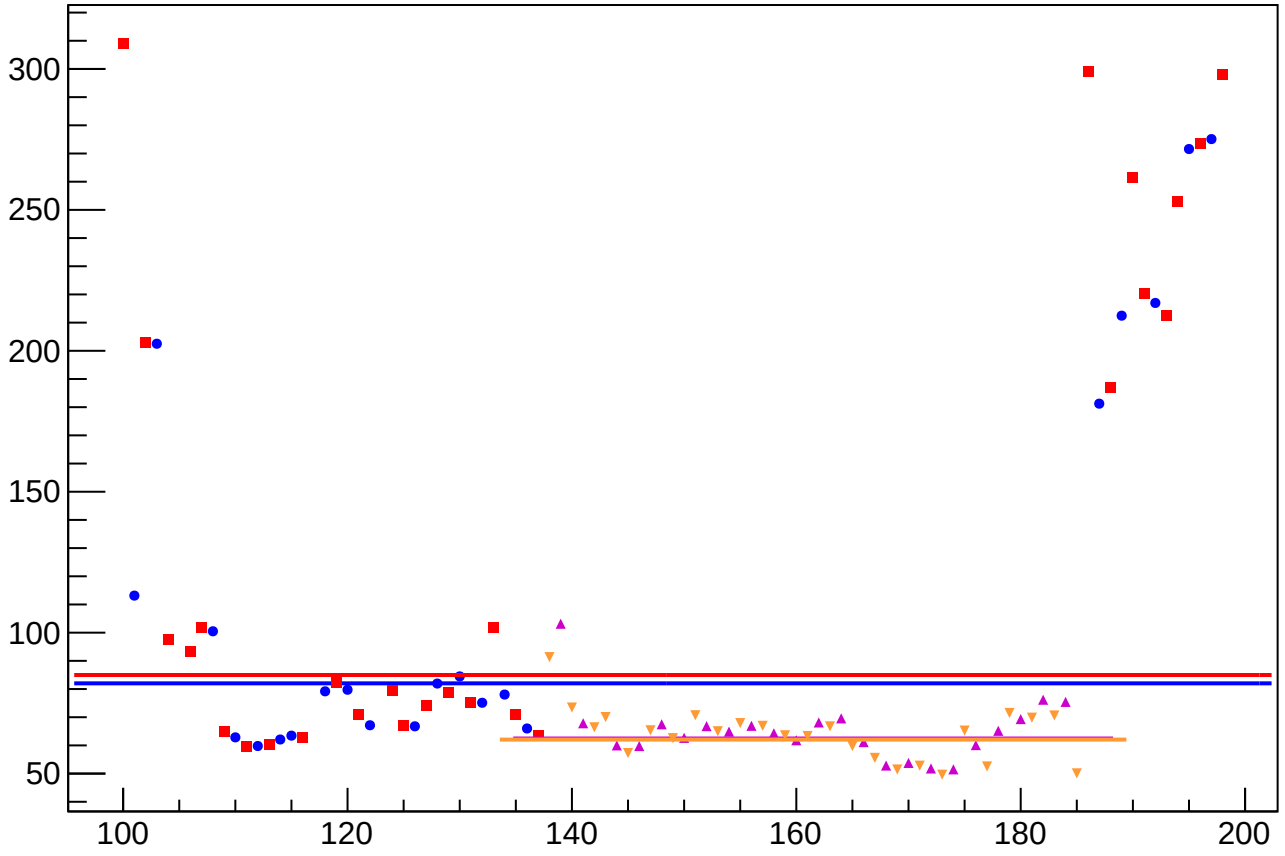
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.453+/-12.773 χ^2/NDF: 78.5/45

All: -4.269+/-9.123 χ^2/NDF: 201.4/95

- sign -67.502+/-13.034 χ^2/NDF: 76.8/49

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 82.017+/-0.020 χ^2/NDF: 3870909.9/20

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

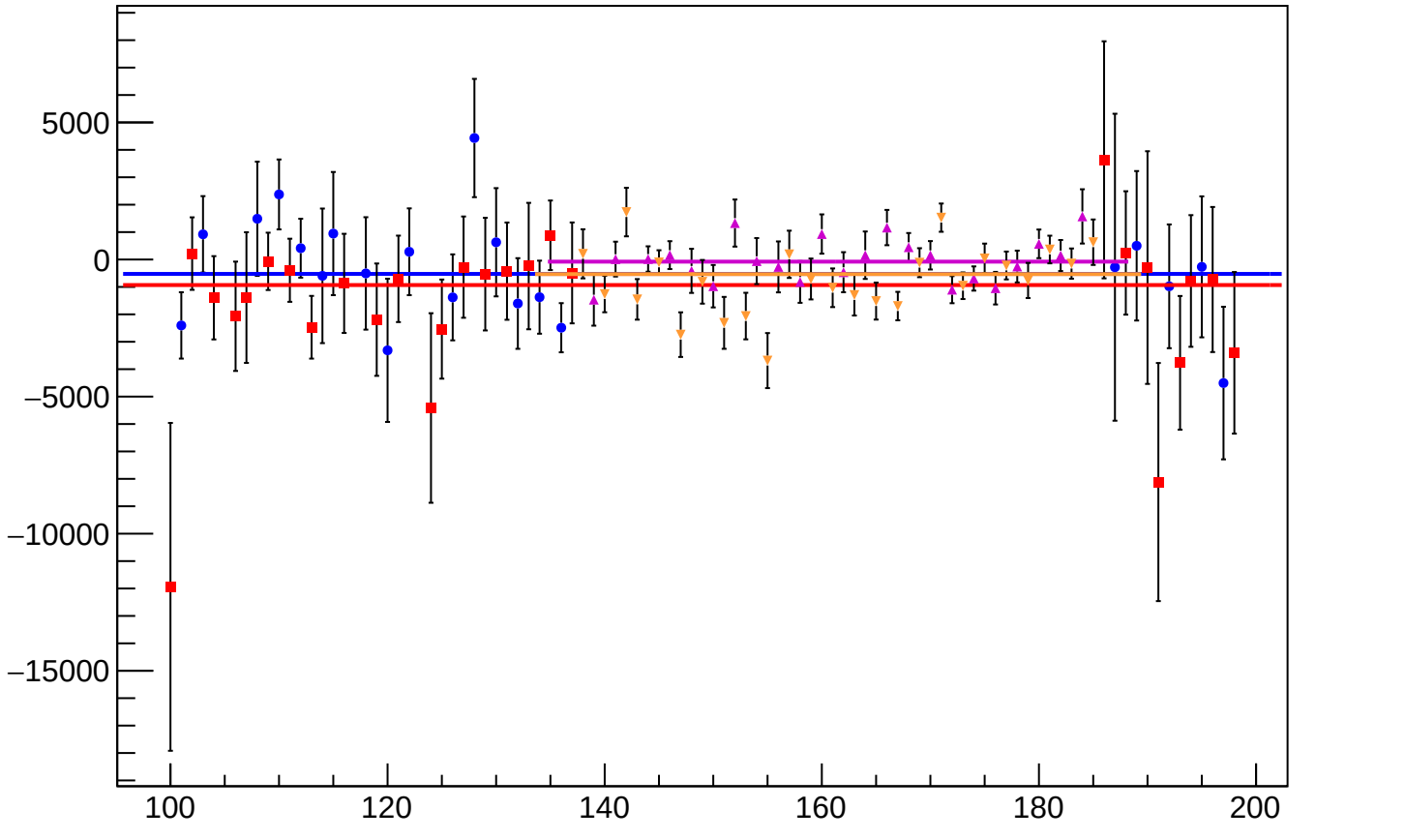
Right Out: 84.977+/-0.019 χ^2/NDF: 5667707.0/26

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.153+/-0.009 χ^2/NDF: 5352916.9/45

All: 66.826+/-0.006 χ^2/NDF: 12740563.2/95

- sign 67.527+/-0.009 χ^2/NDF: 7376307.4/49



Right In: -525.276+/-359.139 χ^2/NDF: 26.0/20

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

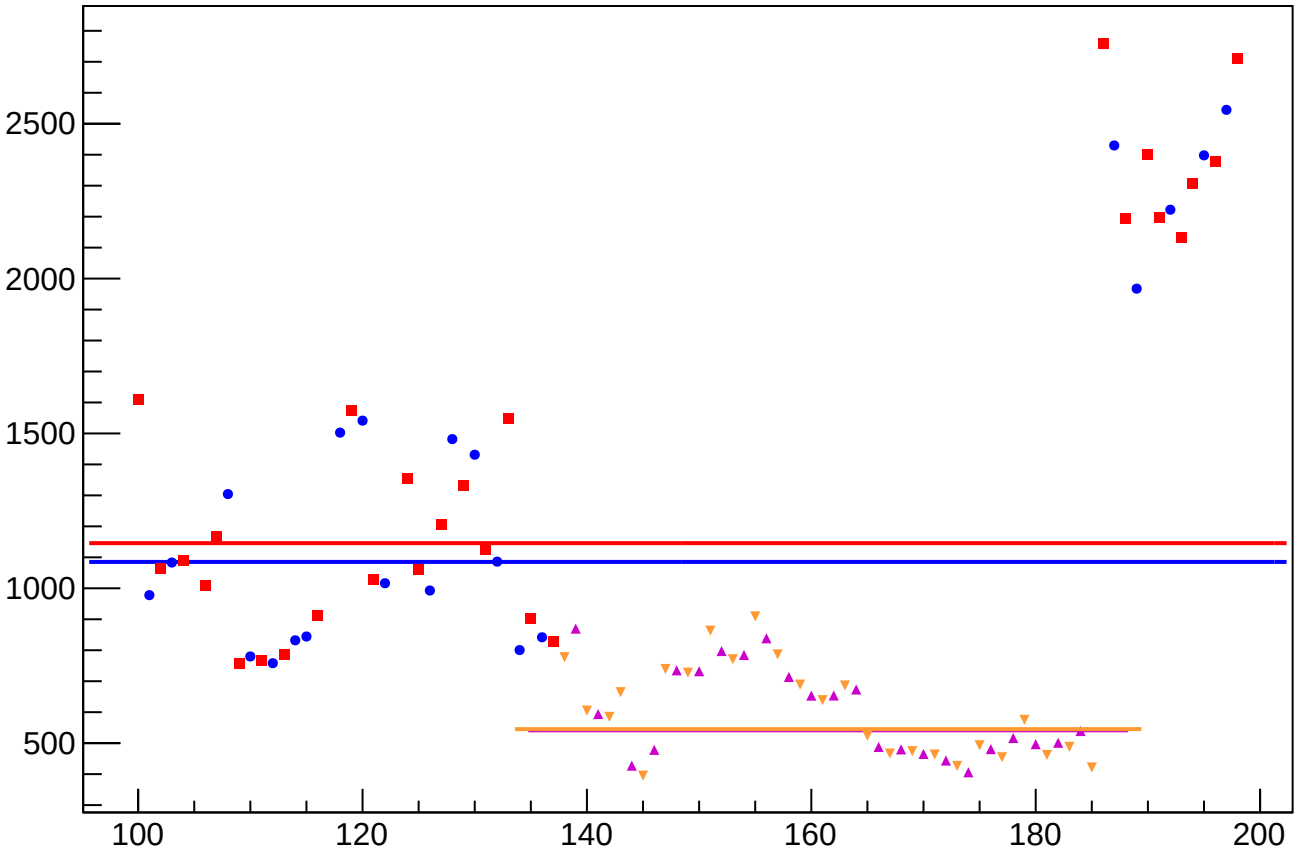
Right Out: -931.135+/-350.430 χ^2/NDF: 18.8/26

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -531.932+/-120.510 χ^2/NDF: 95.1/45

All: -358.887+/-85.785 χ^2/NDF: 151.7/95

- sign -181.115+/-122.145 χ^2/NDF: 52.4/49



Right In: 1085.166+/-0.254 χ^2/NDF: 2808569.1/20

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1145.839+/-0.248 χ^2/NDF: 3874008.5/26

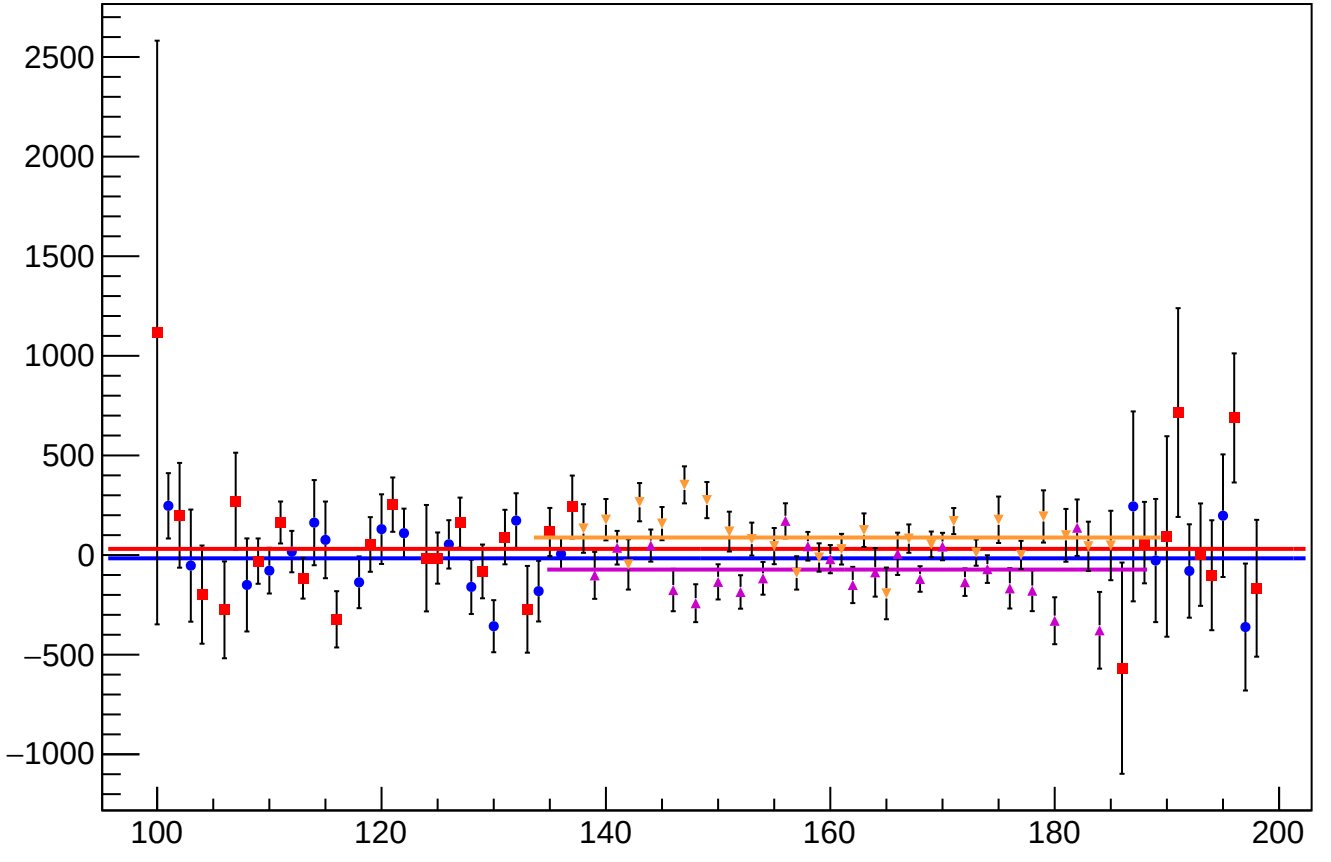
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 606.090+/-0.085 χ^2/NDF: 8902691.2/45

All: 610.428+/-0.061 χ^2/NDF: 19848601.6/95

- sign 614.885+/-0.086 χ^2/NDF: 10940655.1/49

dit_asym_sam_37_avg_mean vs Slug



Right In: -16.391+/-32.777 χ^2/NDF: 20.3/20

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 31.027+/-32.570 χ^2/NDF: 31.3/26

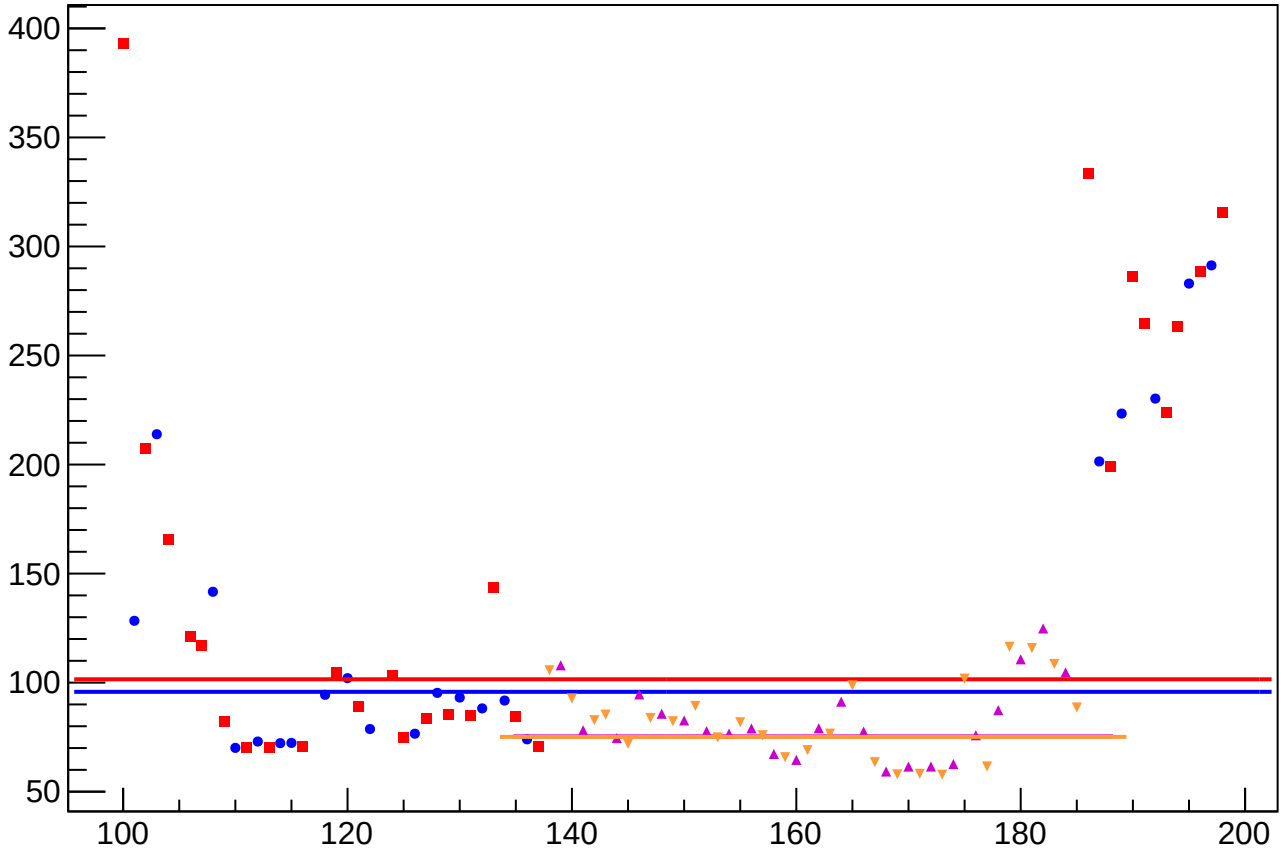
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 64.370+/-15.605 χ^2/NDF: 65.0/45

All: 9.386+/-11.150 χ^2/NDF: 167.9/95

- sign -47.974+/-15.938 χ^2/NDF: 77.5/49

dit_asym_sam_37_avg_rms vs Slug



Right In: 95.779+/-0.023 χ^2/NDF: 3598383.0/20

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

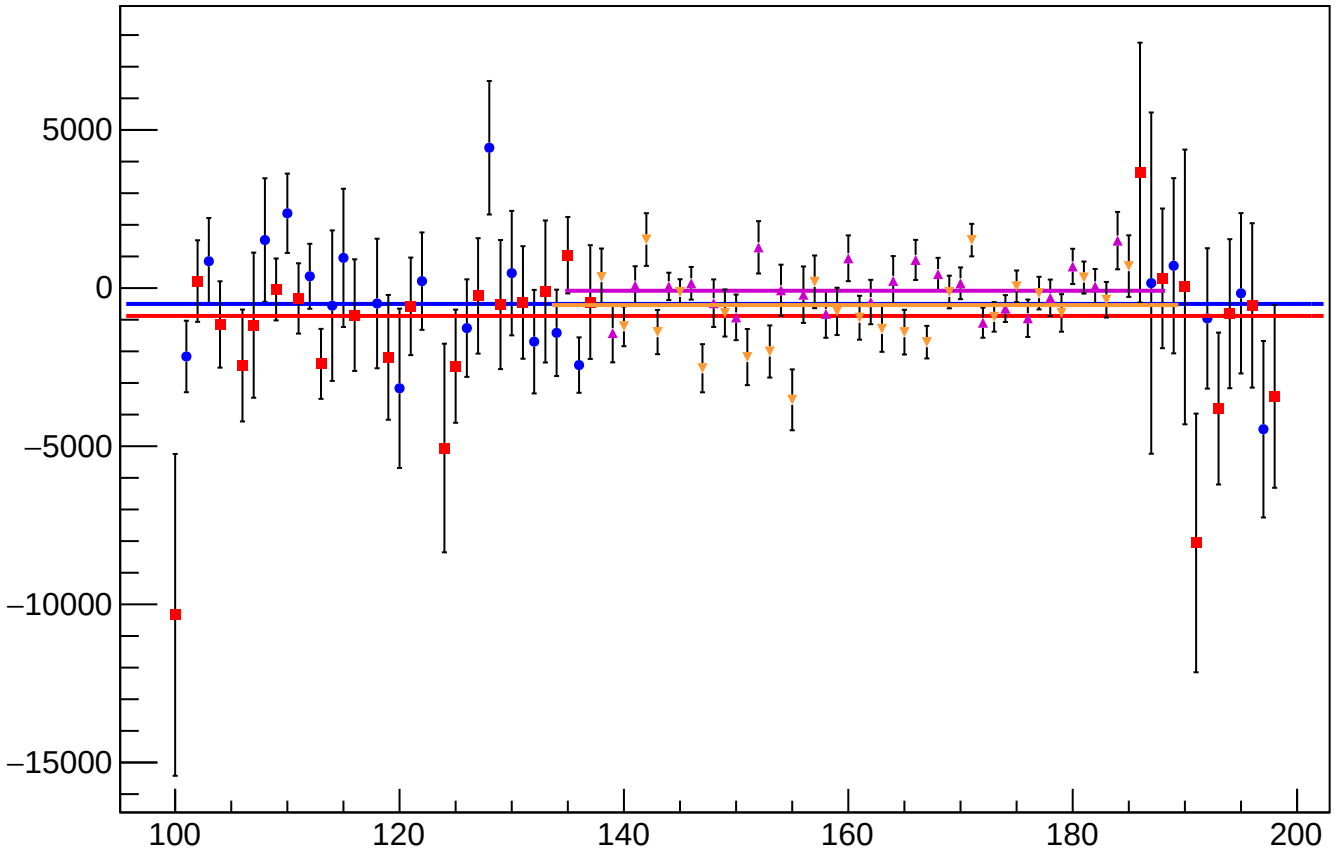
Right Out: 101.538+/-0.023 χ^2/NDF: 5345382.0/26

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 79.809+/-0.011 χ^2/NDF: 5813828.3/45

All: 80.701+/-0.008 χ^2/NDF: 13380309.3/95

- sign 81.631+/-0.011 χ^2/NDF: 7553130.9/49



Right In: -500.800+/-350.649 χ^2/NDF: 26.0/20

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -880.485+/-336.969 χ^2/NDF: 20.6/26

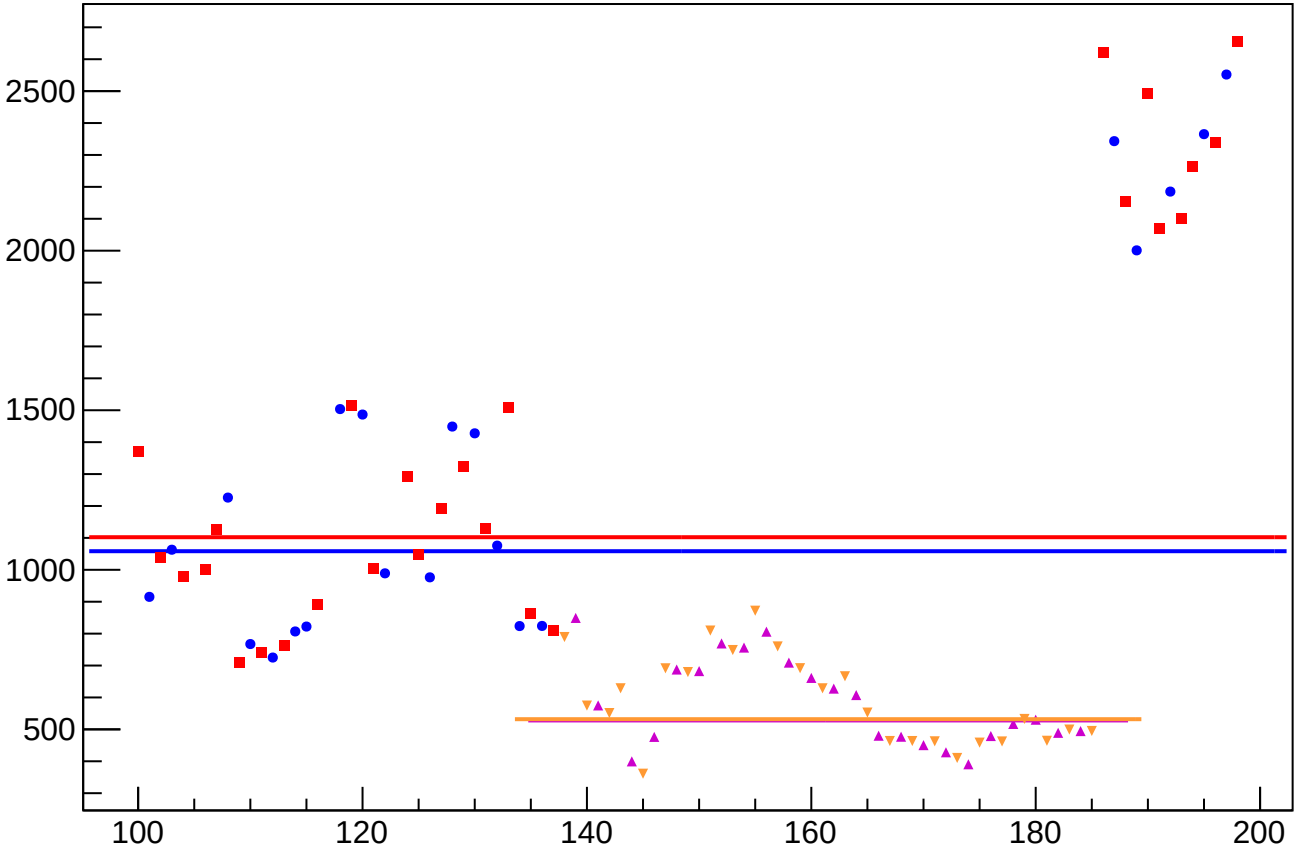
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -532.762+/-117.300 χ^2/NDF: 93.1/45

All: -360.556+/-83.494 χ^2/NDF: 150.4/95

\- sign -183.704+/-118.872 χ^2/NDF: 52.9/49

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1058.291+/-0.248 χ^2/NDF: 2879253.9/20

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1102.141+/-0.238 χ^2/NDF: 4020678.3/26

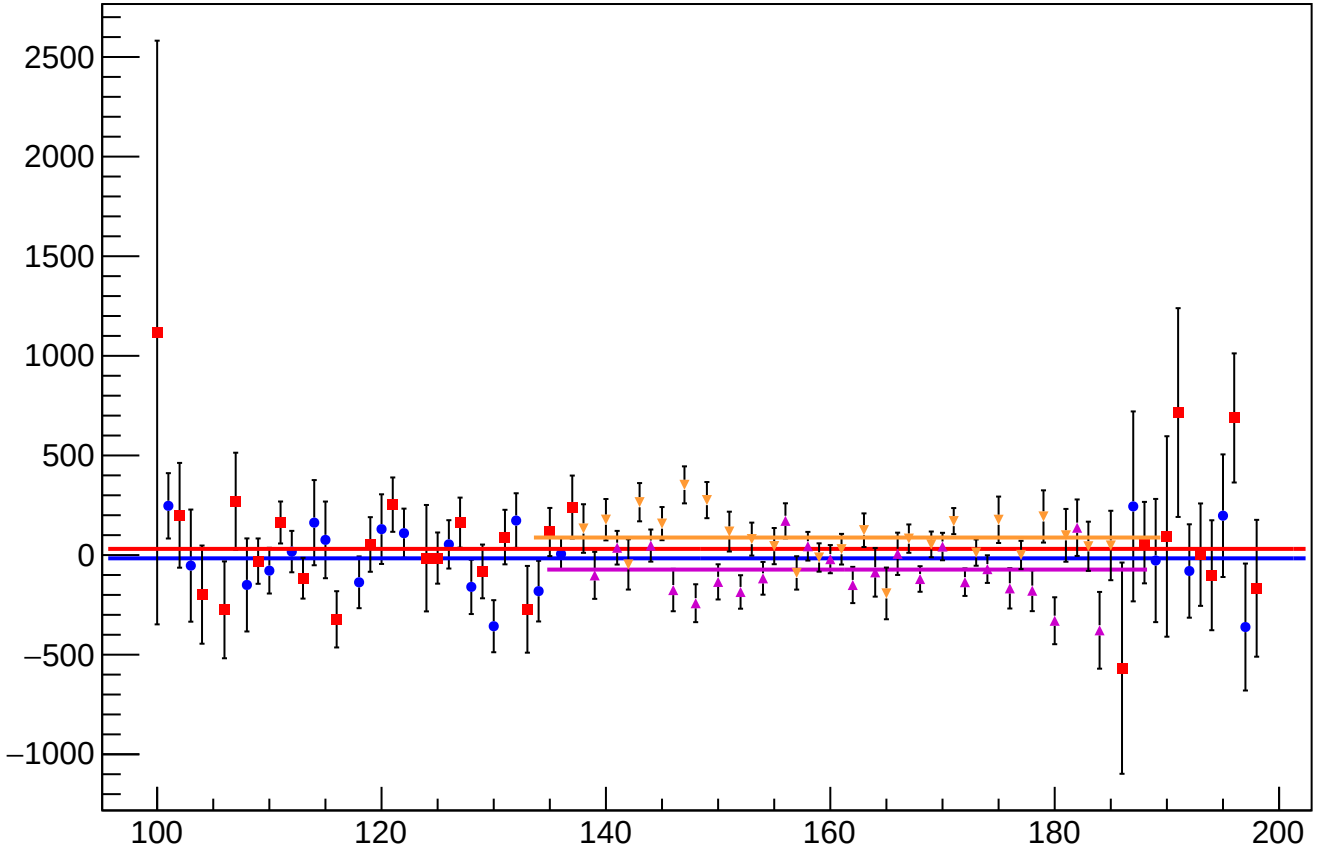
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 590.781+/-0.083 χ^2/NDF: 8920190.7/45

All: 595.051+/-0.059 χ^2/NDF: 19830532.3/95

- sign 599.437+/-0.084 χ^2/NDF: 10904969.5/49

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -16.391+/-32.777 χ^2/NDF: 20.3/20

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 31.030+/-32.570 χ^2/NDF: 31.3/26

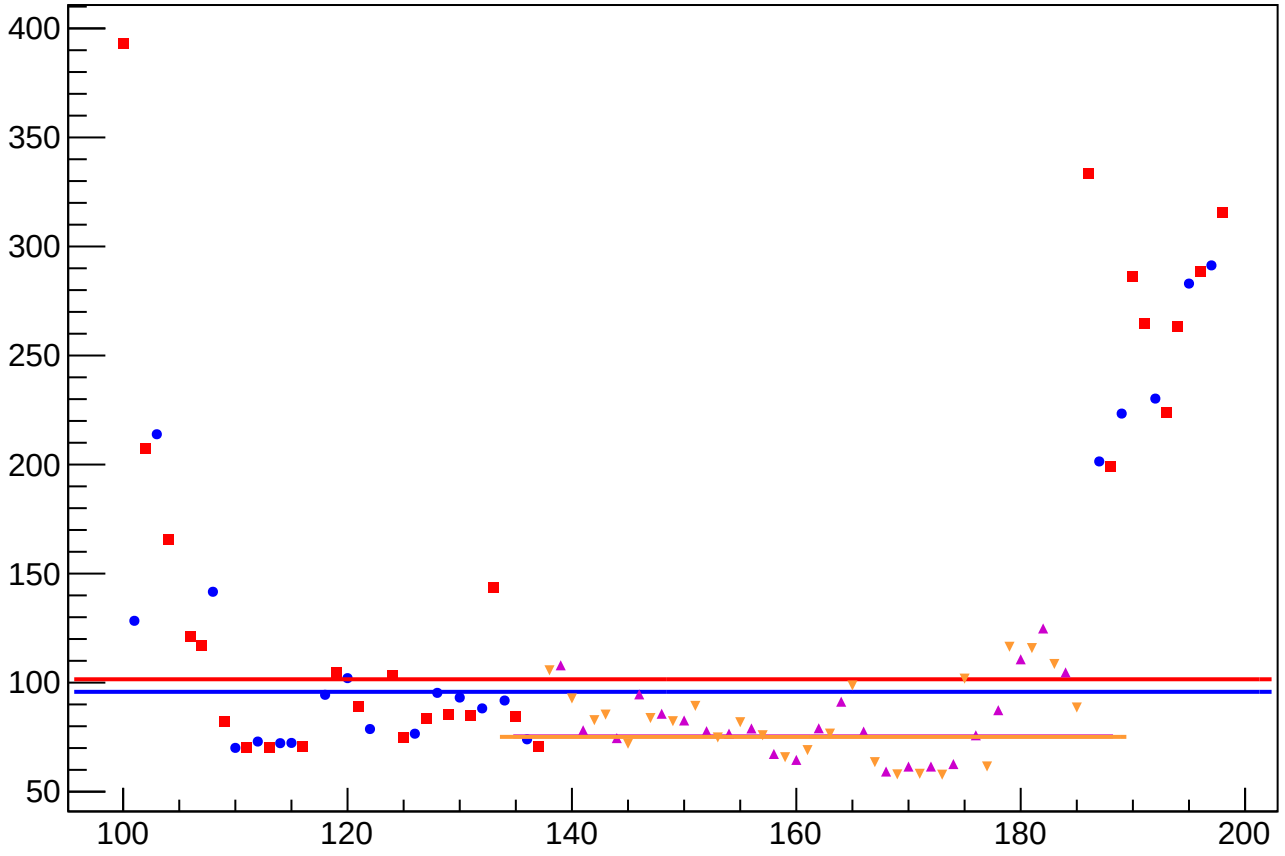
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 64.370+/-15.605 χ^2/NDF: 65.0/45

All: 9.386+/-11.150 χ^2/NDF: 167.9/95

- sign -47.973+/-15.938 χ^2/NDF: 77.5/49

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 95.779+/-0.023 χ^2/NDF: 3598363.4/20

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

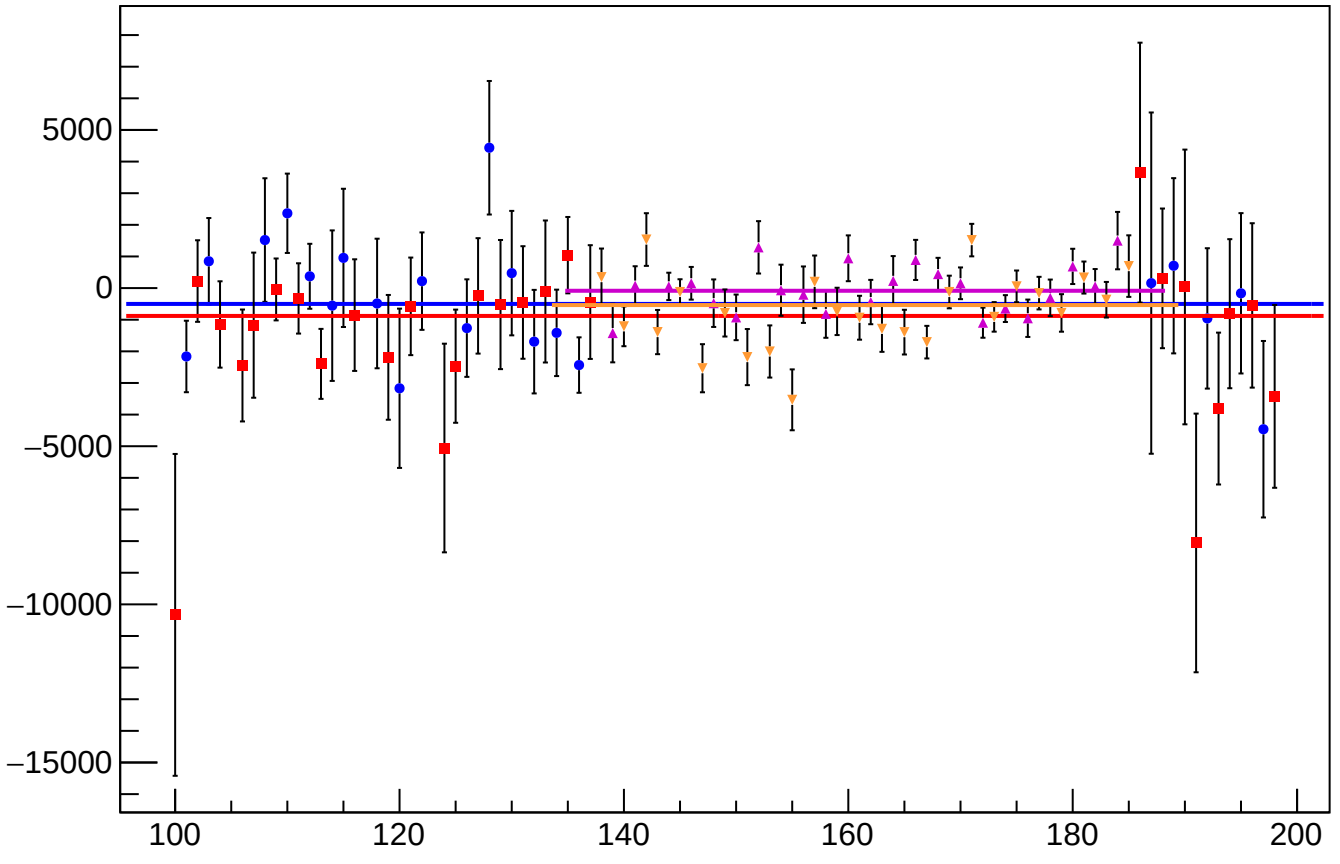
Right Out: 101.539+/-0.023 χ^2/NDF: 5345361.1/26

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 79.809+/-0.011 χ^2/NDF: 5813814.9/45

All: 80.701+/-0.008 χ^2/NDF: 13380291.5/95

- sign 81.631+/-0.011 χ^2/NDF: 7553126.6/49



Right In: -500.798+/-350.649 χ^2/NDF: 26.0/20

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

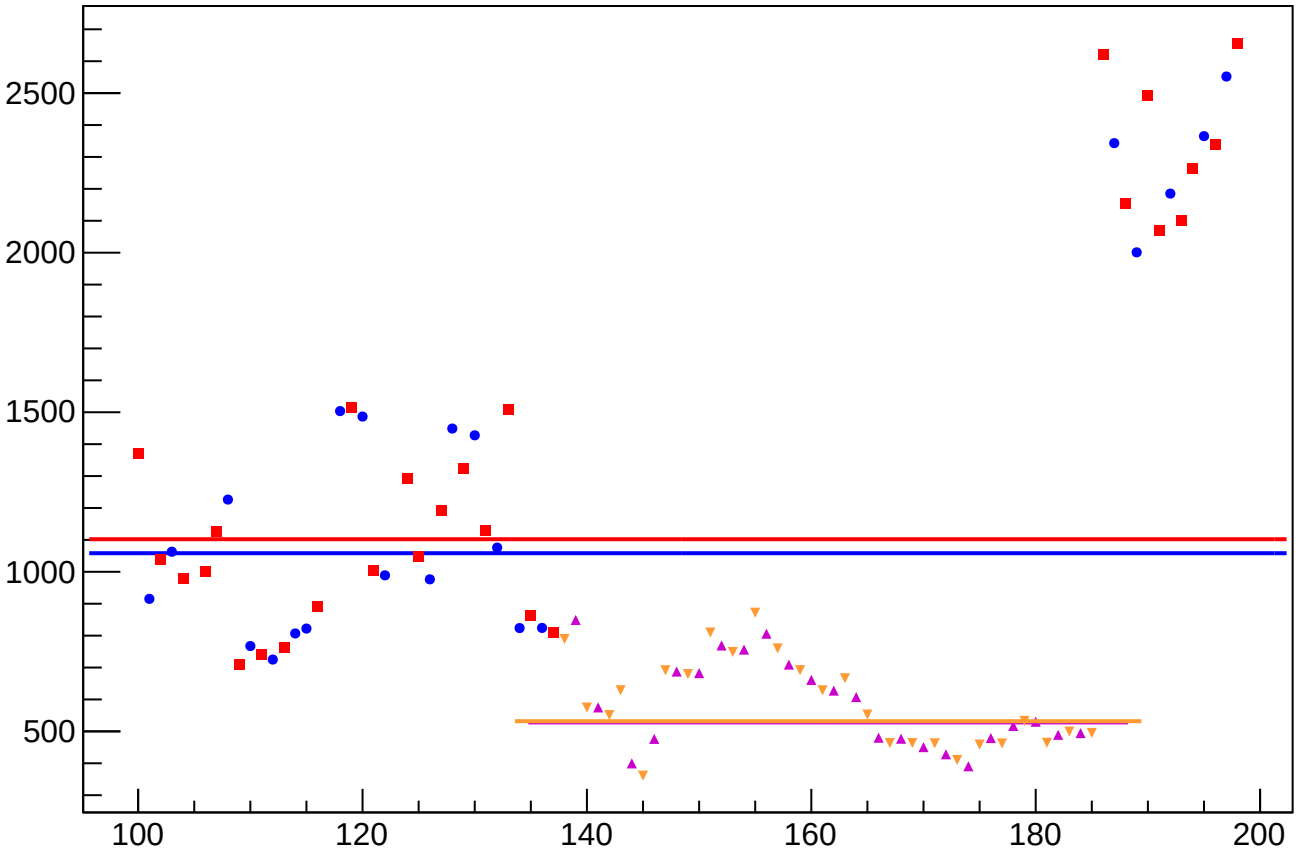
Right Out: -880.485+/-336.969 χ^2/NDF: 20.6/26

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -532.762+/-117.300 χ^2/NDF: 93.1/45

All: -360.556+/-83.494 χ^2/NDF: 150.4/95

\- sign -183.704+/-118.872 χ^2/NDF: 52.9/49



Right In: 1058.289+/-0.248 χ^2/NDF: 2879258.8/20

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1102.139+/-0.238 χ^2/NDF: 4020683.4/26

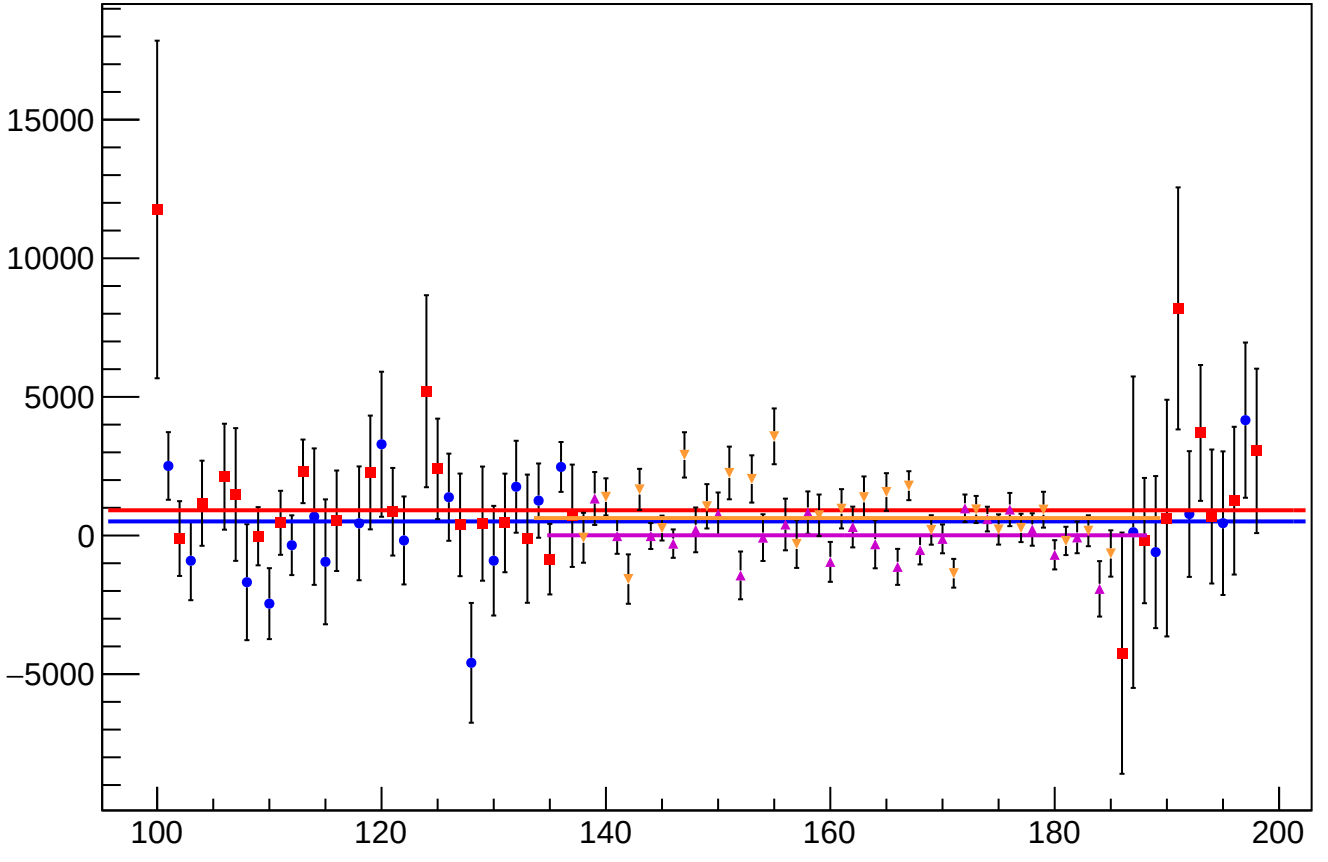
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 590.781+/-0.083 χ^2/NDF: 8920177.4/45

All: 595.051+/-0.059 χ^2/NDF: 19830501.3/95

- sign 599.436+/-0.084 χ^2/NDF: 10904951.8/49

asym_sam_37_avg_mean vs Slug



Right In: 508.699+/-360.929 χ^2/NDF: 26.5/20

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 910.418+/-351.620 χ^2/NDF: 18.0/26

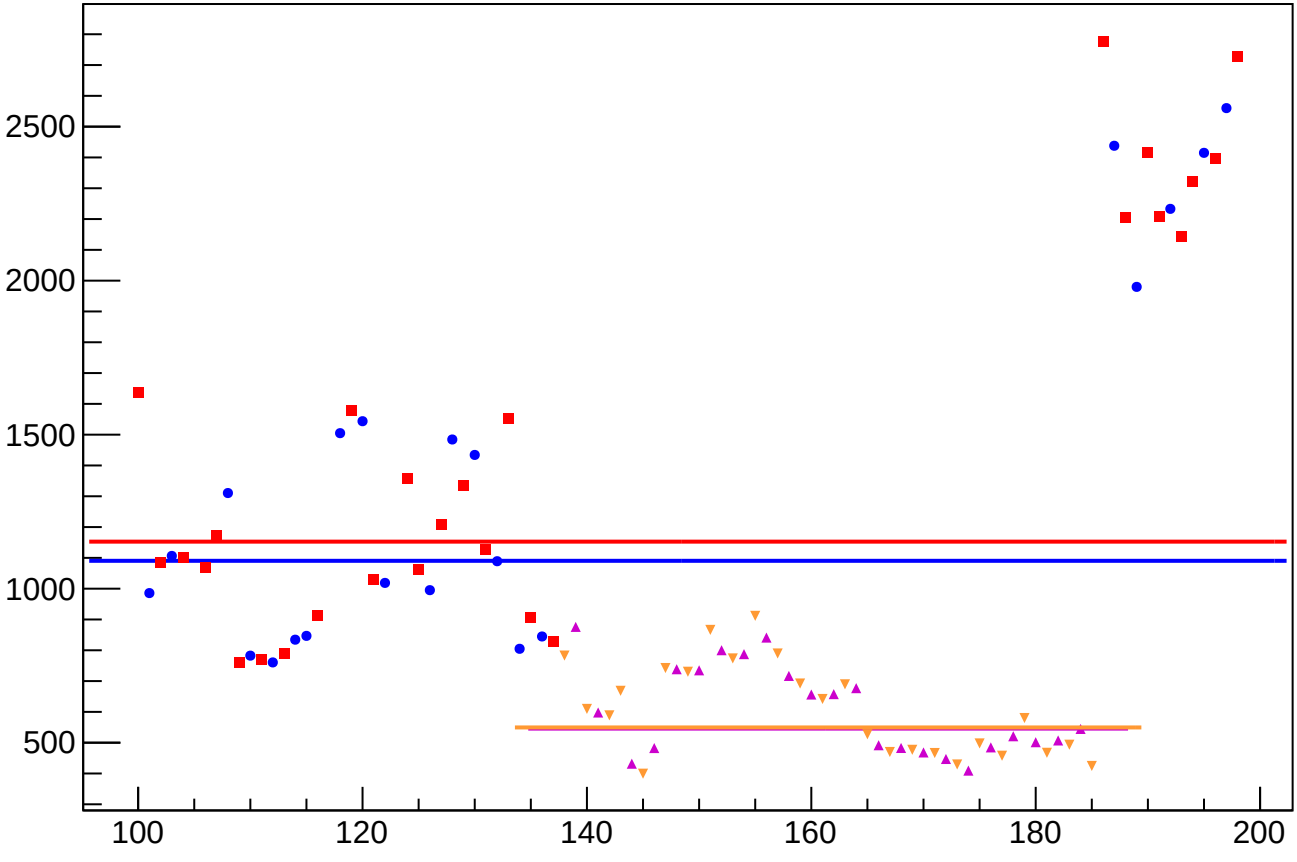
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 615.736+/-121.352 χ^2/NDF: 91.5/45

All: 370.621+/-86.384 χ^2/NDF: 150.8/95

- sign 118.821+/-122.995 χ^2/NDF: 51.1/49

asym_sam_37_avg_rms vs Slug



Right In: 1090.453+/-0.255 χ^2/NDF: 2812809.4/20

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

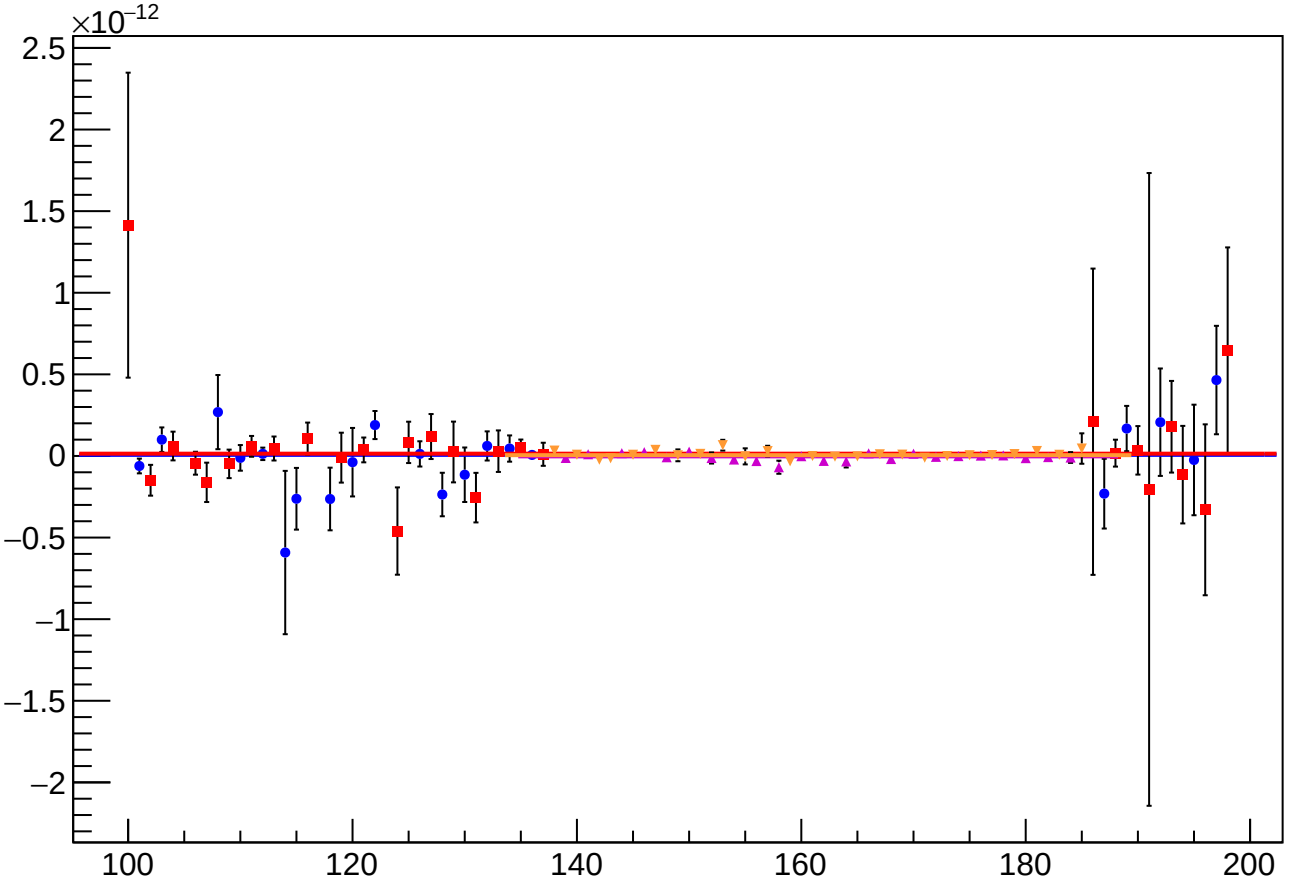
Right Out: 1152.721+/-0.249 χ^2/NDF: 3877563.6/26

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 610.629+/-0.086 χ^2/NDF: 8851897.8/45

All: 615.242+/-0.061 χ^2/NDF: 19780970.3/95

- sign 619.980+/-0.087 χ^2/NDF: 10923214.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

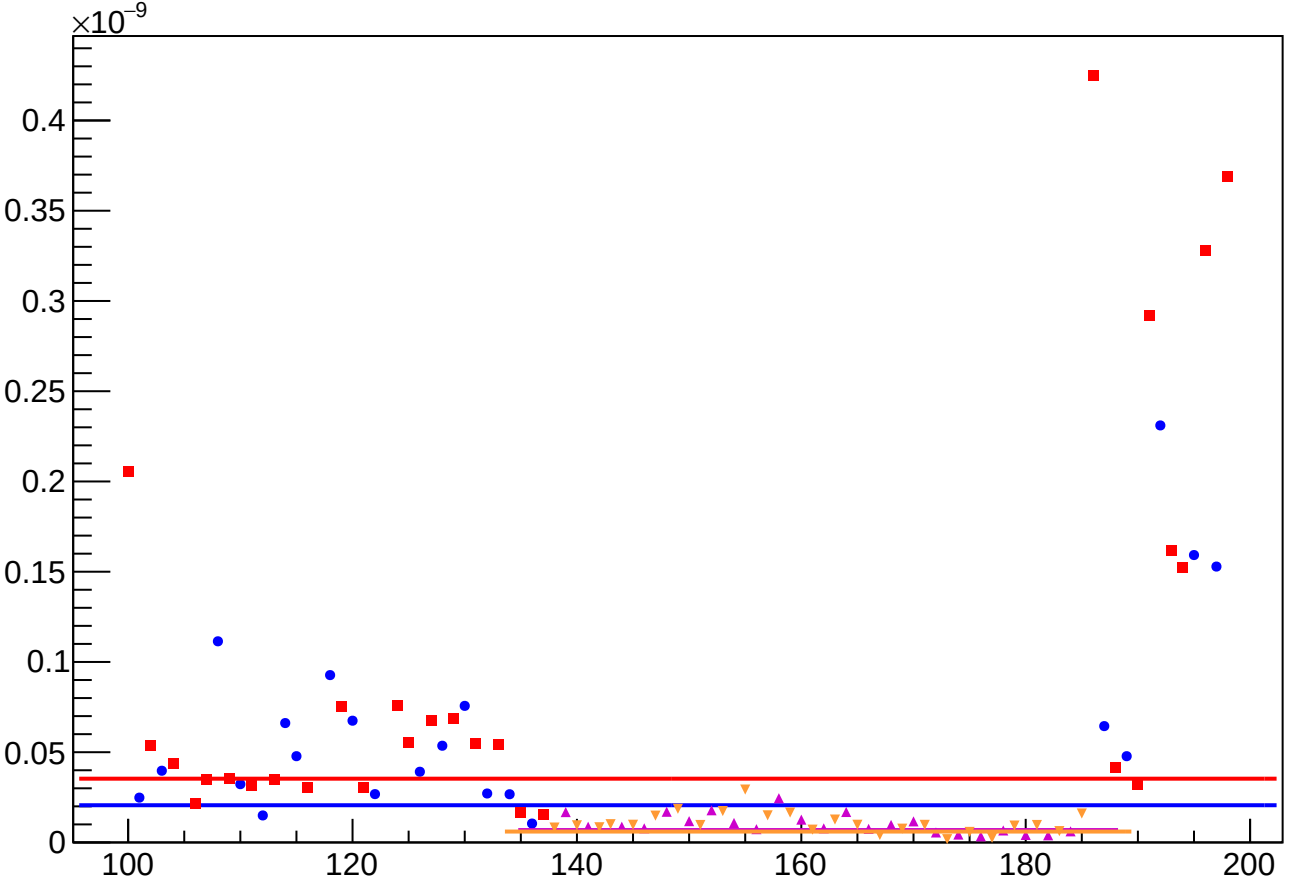
Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/26

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/45

All: 0.000+/-0.000 χ^2/NDF: 83.8/95

- sign -0.000+/-0.000 χ^2/NDF: 41.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 3626929.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3502443.0/26

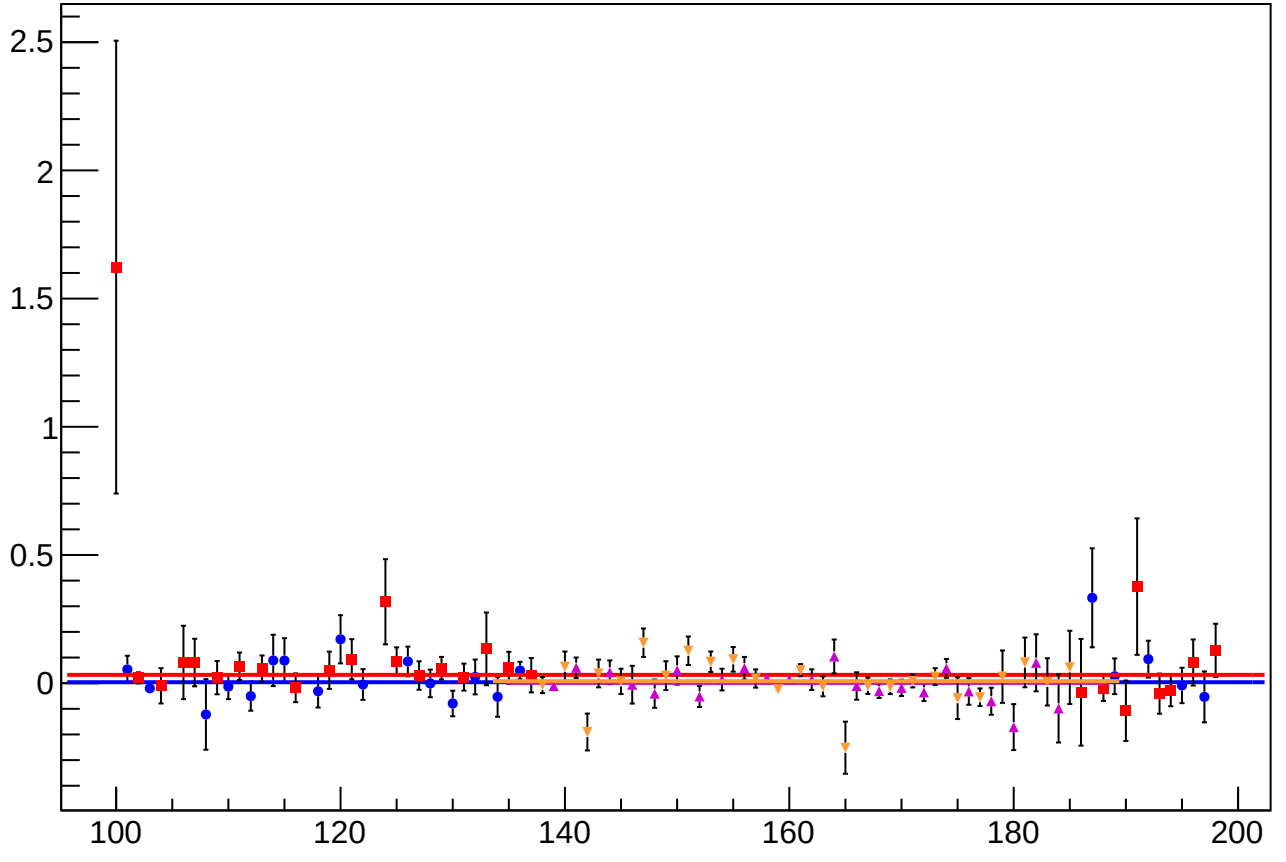
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9242183.3/45

All: 0.000+/-0.000 χ^2/NDF: 19273943.9/95

- sign 0.000+/-0.000 χ^2/NDF: 9935669.2/49

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.012 χ^2/NDF: 18.5/26

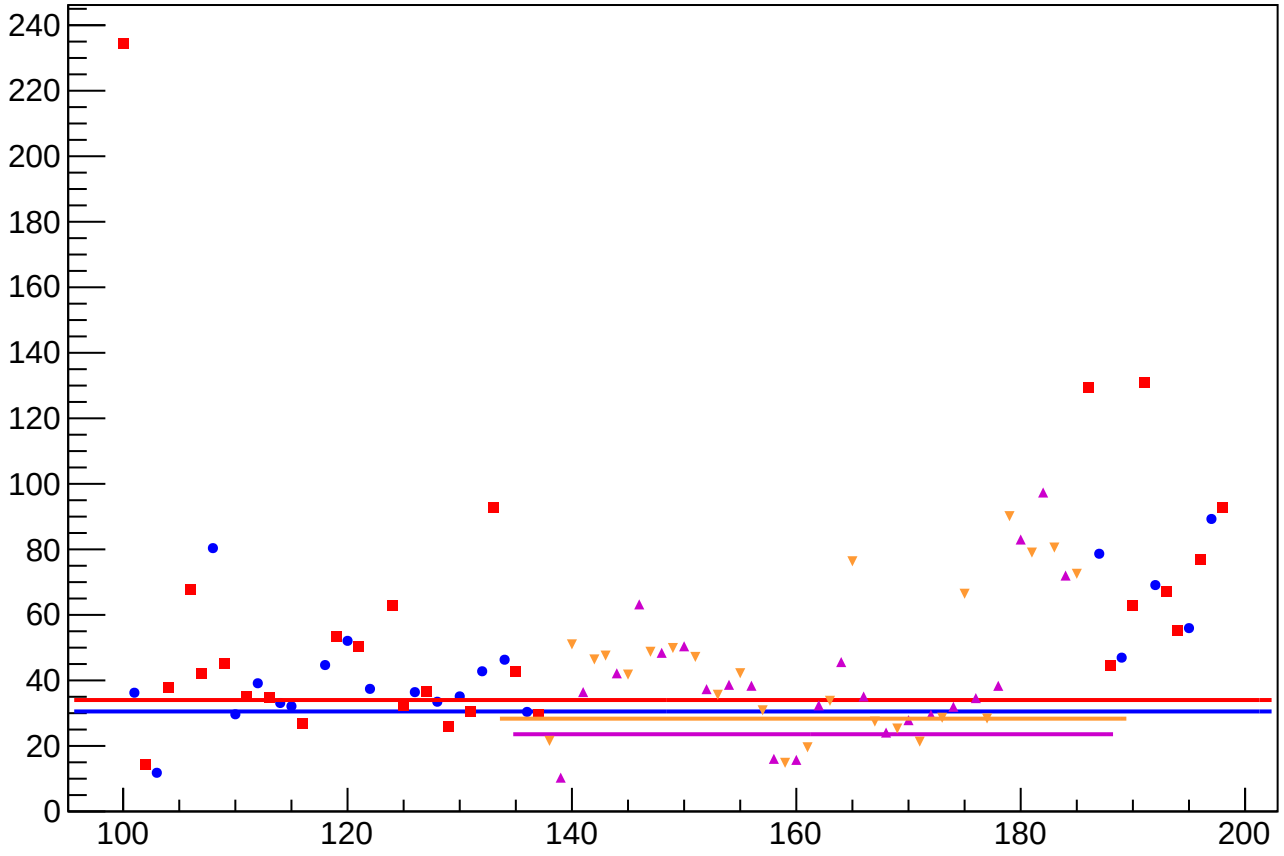
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.2/45

All: 0.008+/-0.004 χ^2/NDF: 118.3/95

- sign 0.009+/-0.006 χ^2/NDF: 49.0/49

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 30.526+/-0.008 χ^2/NDF: 4359846.3/20

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 34.012+/-0.008 χ^2/NDF: 5353620.6/26

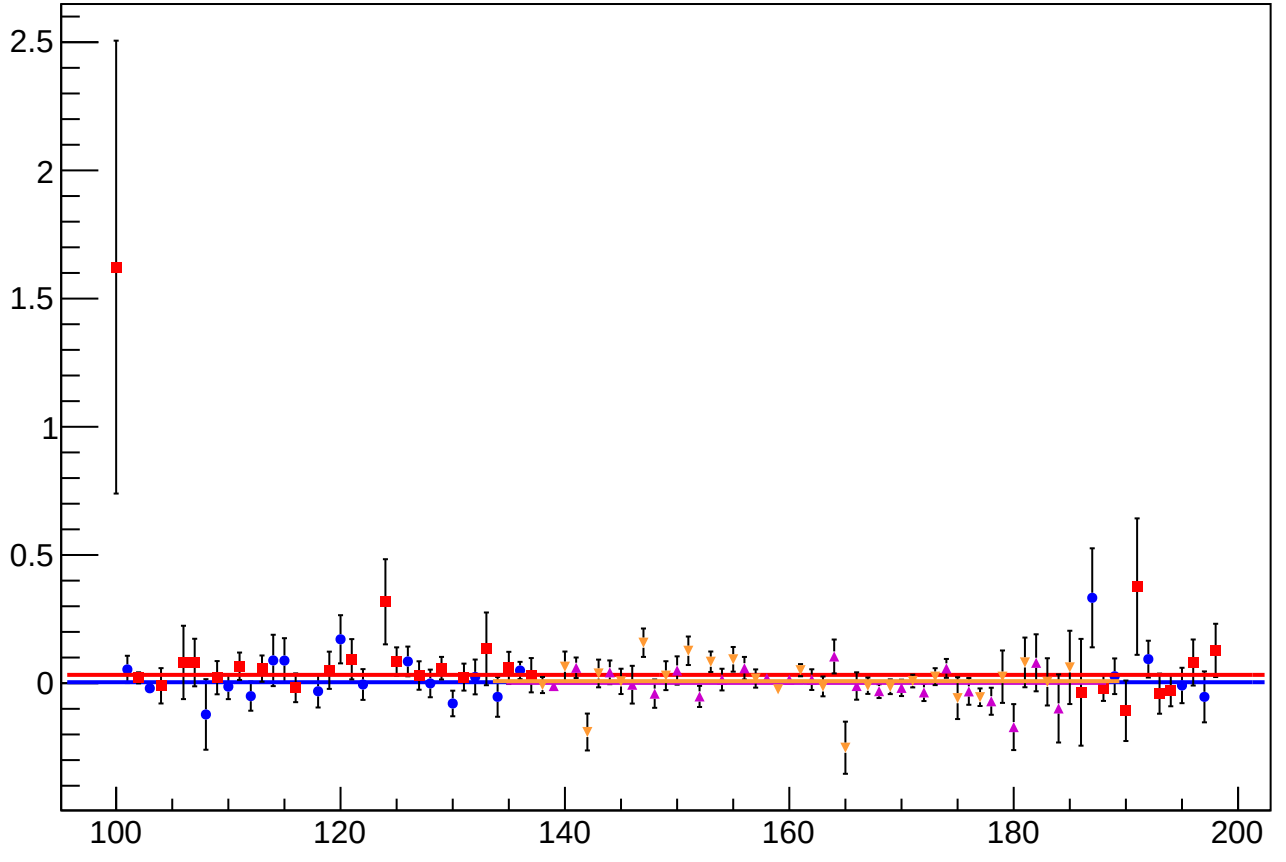
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

\+ sign 28.996+/-0.004 χ^2/NDF: 11199674.4/45

All: 27.518+/-0.003 χ^2/NDF: 26223748.4/95

\- sign 26.240+/-0.004 χ^2/NDF: 14819802.2/49

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.012 χ^2/NDF: 18.5/26

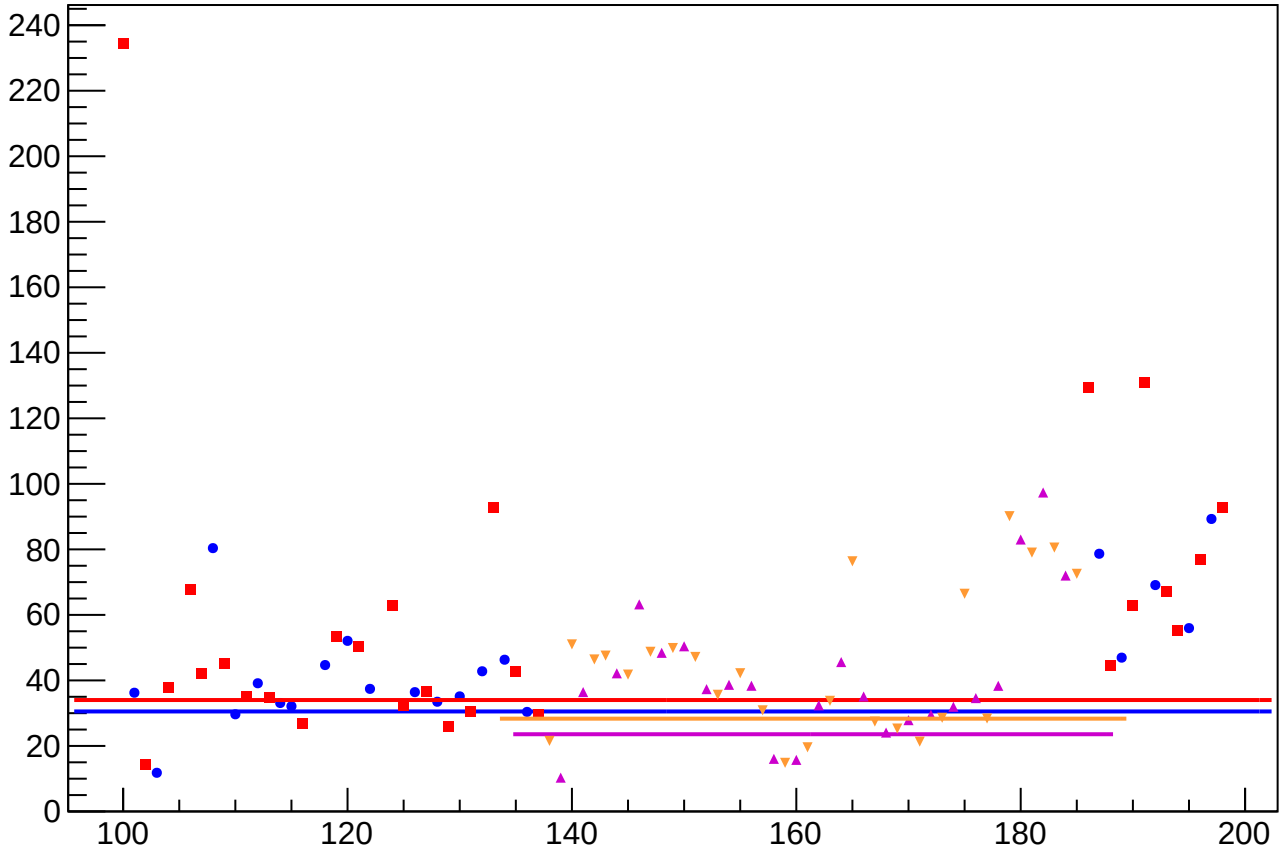
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.2/45

All: 0.008+/-0.004 χ^2/NDF: 118.3/95

- sign 0.009+/-0.006 χ^2/NDF: 49.0/49

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.526+/-0.008 χ^2/NDF: 4359846.3/20

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

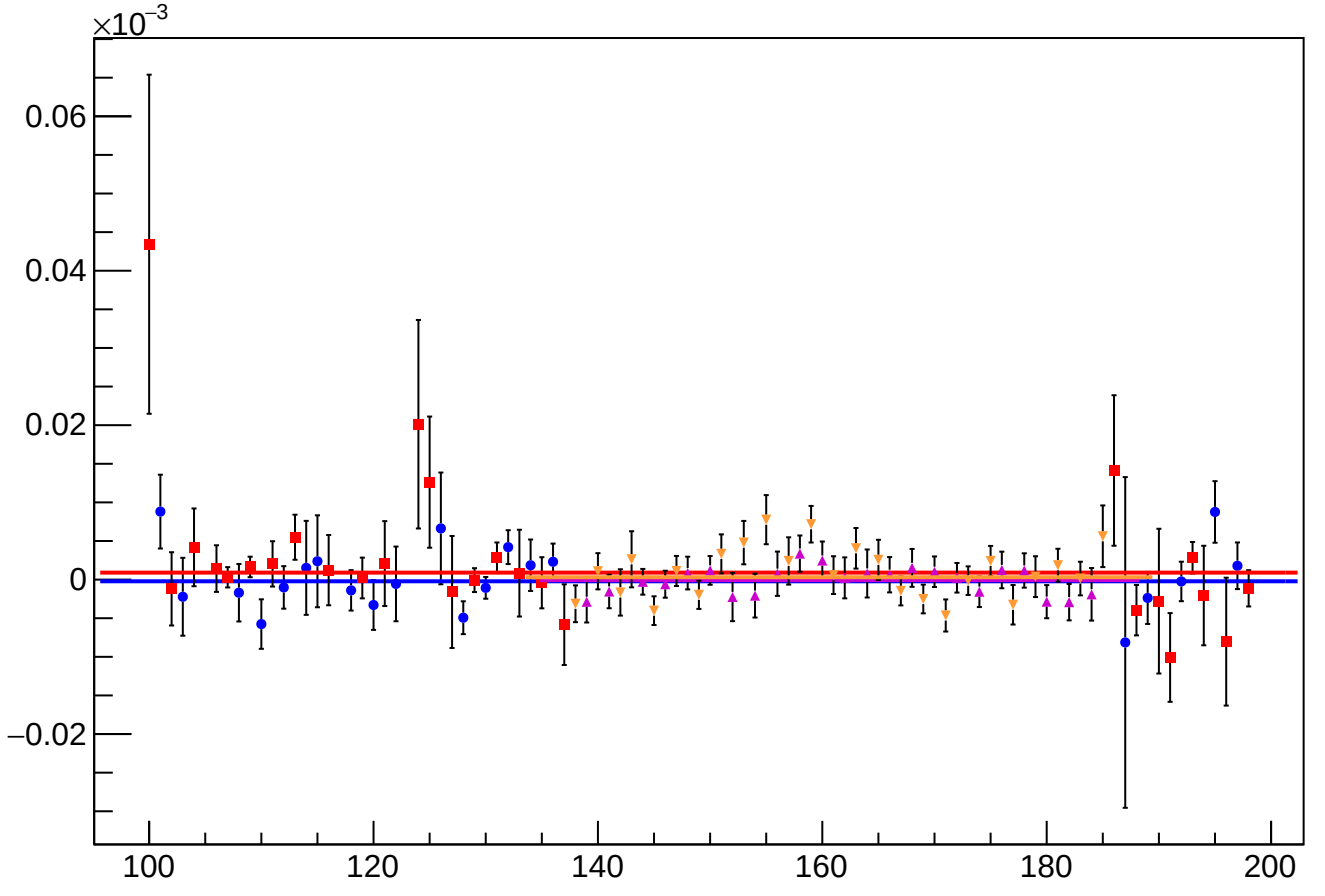
Right Out: 34.012+/-0.008 χ^2/NDF: 5353620.6/26

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

\+ sign 28.996+/-0.004 χ^2/NDF: 11199674.4/45

All: 27.518+/-0.003 χ^2/NDF: 26223748.4/95

\- sign 26.240+/-0.004 χ^2/NDF: 14819802.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

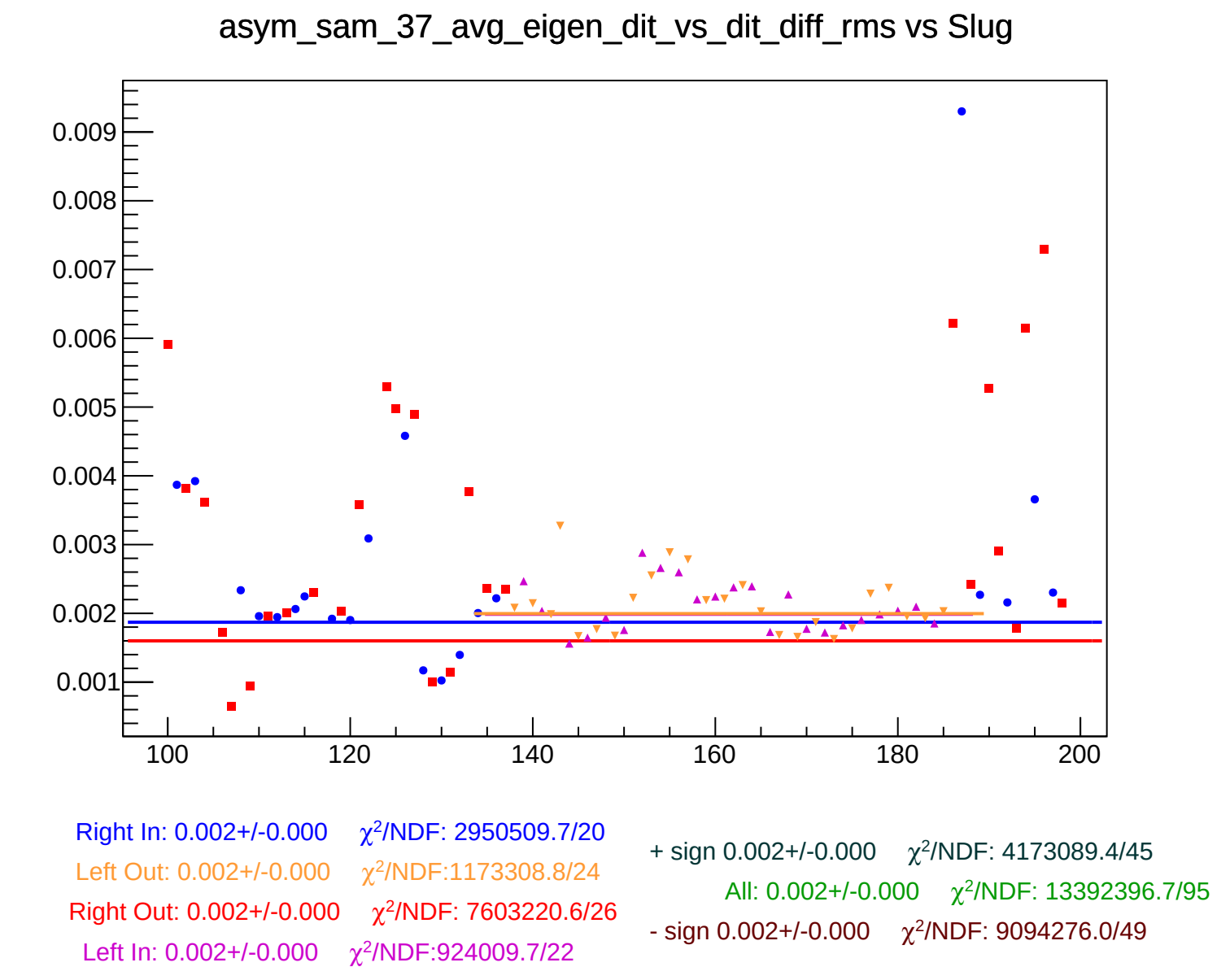
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/26

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

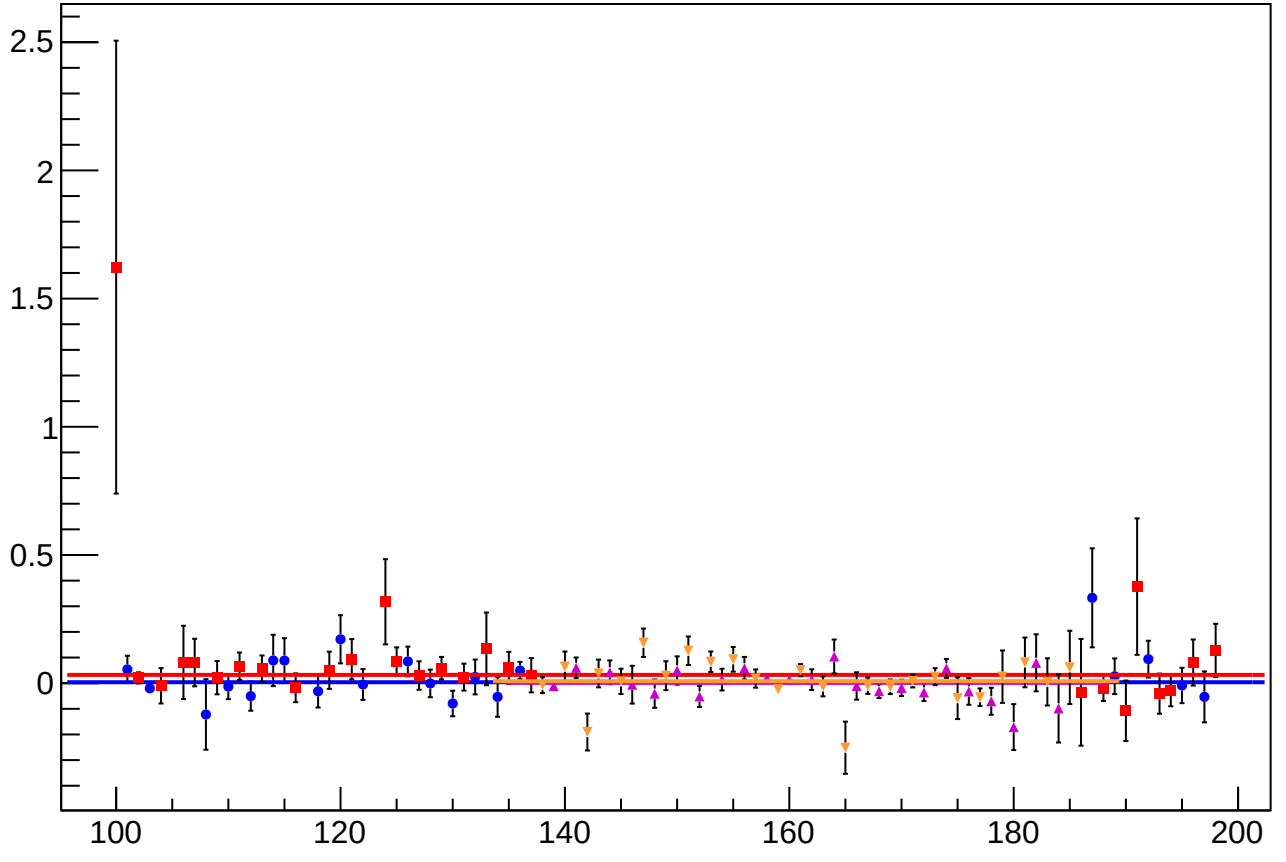
+ sign 0.000+/-0.000 χ^2/NDF: 72.3/45

All: 0.000+/-0.000 χ^2/NDF: 112.1/95

- sign 0.000+/-0.000 χ^2/NDF: 39.7/49


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 2950509.7/20
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 7603220.6/26
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 4173089.4/45
All: 0.002+/-0.000 χ²/NDF: 13392396.7/95
- sign 0.002+/-0.000 χ²/NDF: 9094276.0/49

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.012 χ^2/NDF: 18.5/26

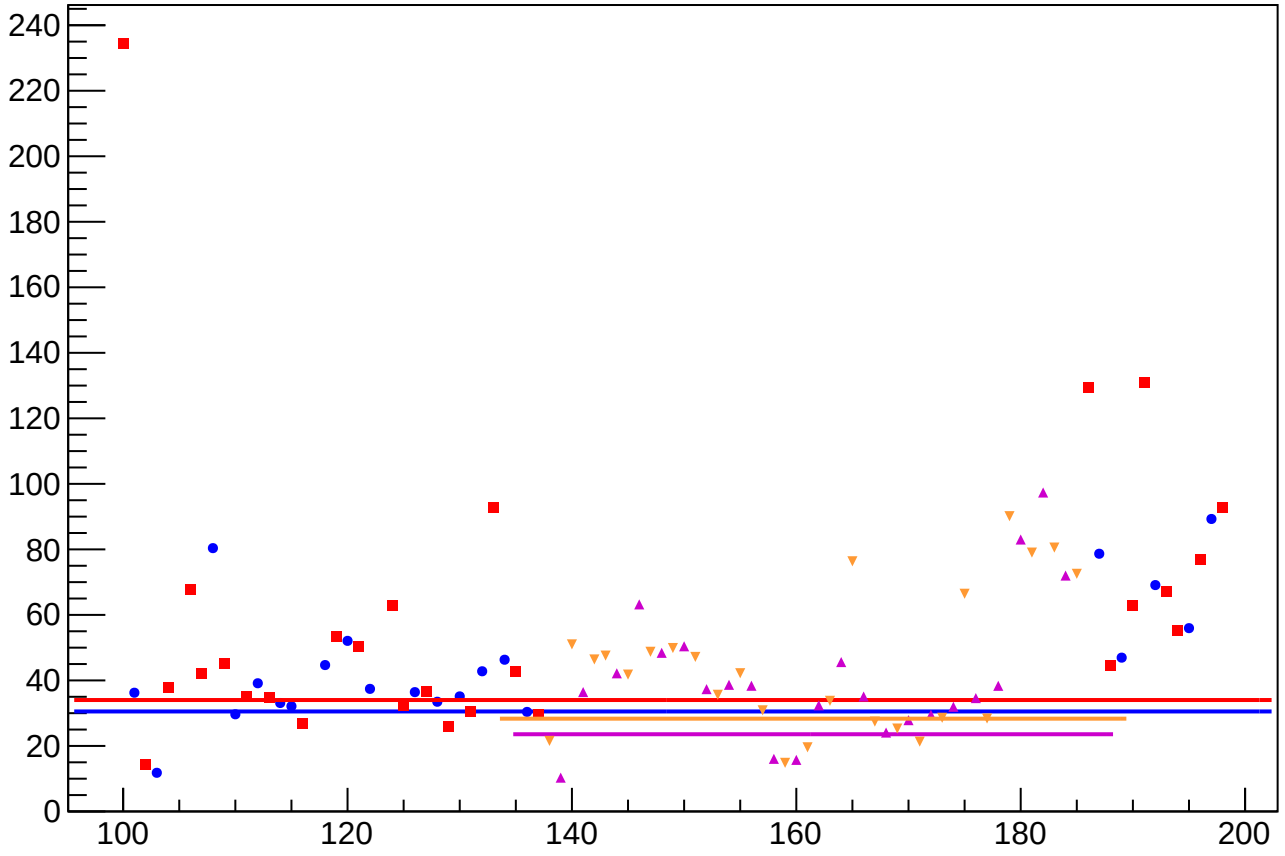
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.2/45

All: 0.008+/-0.004 χ^2/NDF: 118.3/95

- sign 0.009+/-0.006 χ^2/NDF: 49.0/49

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.526+/-0.008 χ^2/NDF: 4360128.7/20

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

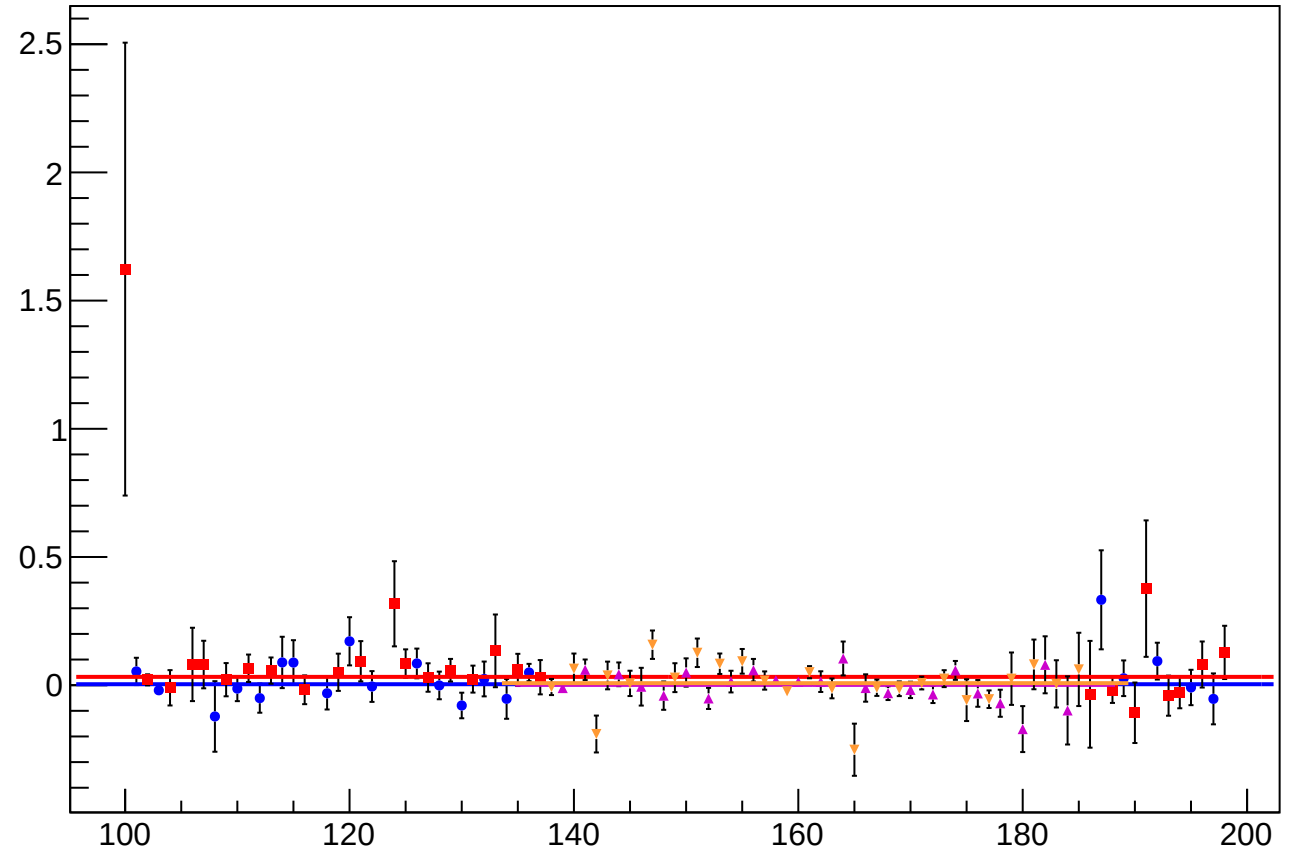
Right Out: 34.015+/-0.008 χ^2/NDF: 5352625.4/26

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

\+ sign 28.996+/-0.004 χ^2/NDF: 11200395.9/45

All: 27.517+/-0.003 χ^2/NDF: 26225360.2/95

\- sign 26.239+/-0.004 χ^2/NDF: 14820696.6/49



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

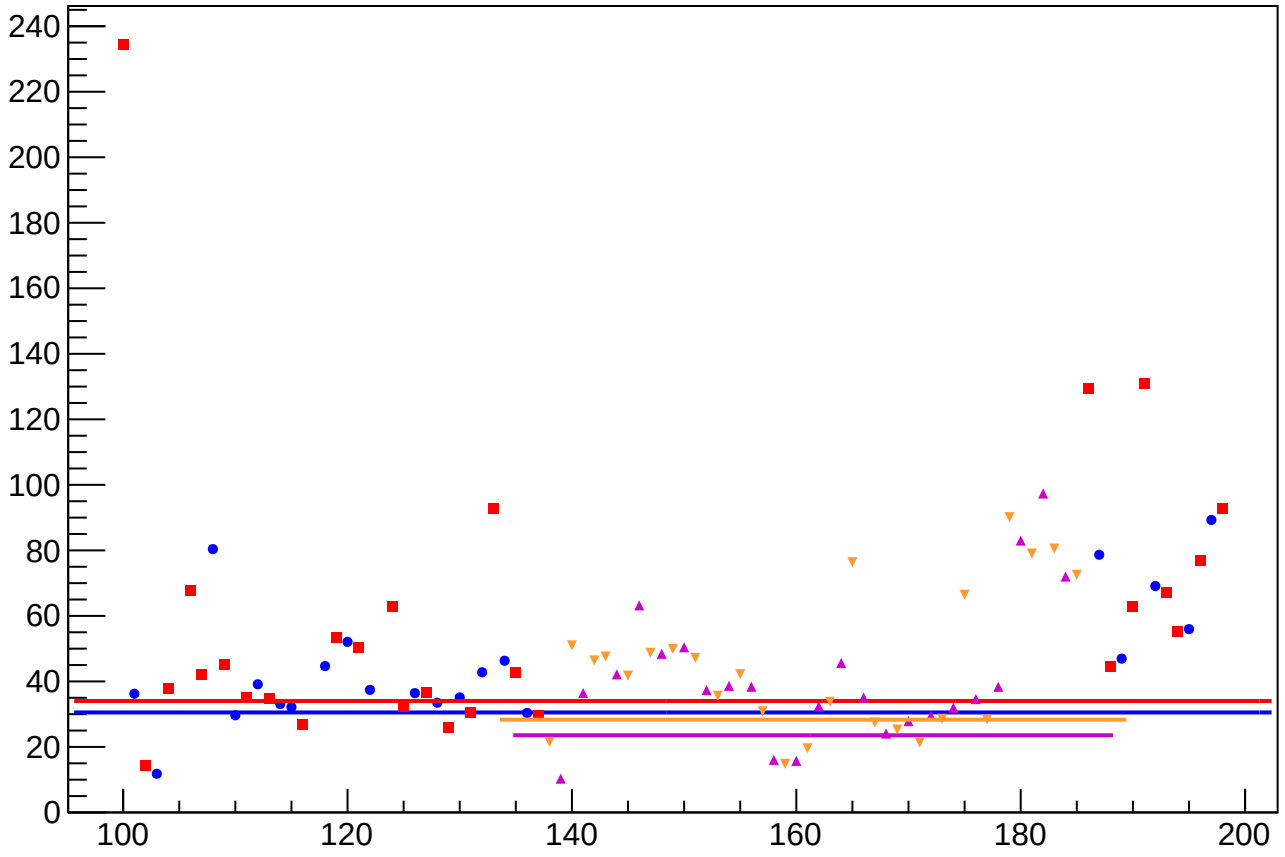
Right Out: 0.032+/-0.012 χ^2/NDF: 18.5/26

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.2/45

All: 0.008+/-0.004 χ^2/NDF: 118.3/95

- sign 0.009+/-0.006 χ^2/NDF: 49.0/49



Right In: 30.526+/-0.008 χ^2/NDF: 4360128.7/20

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

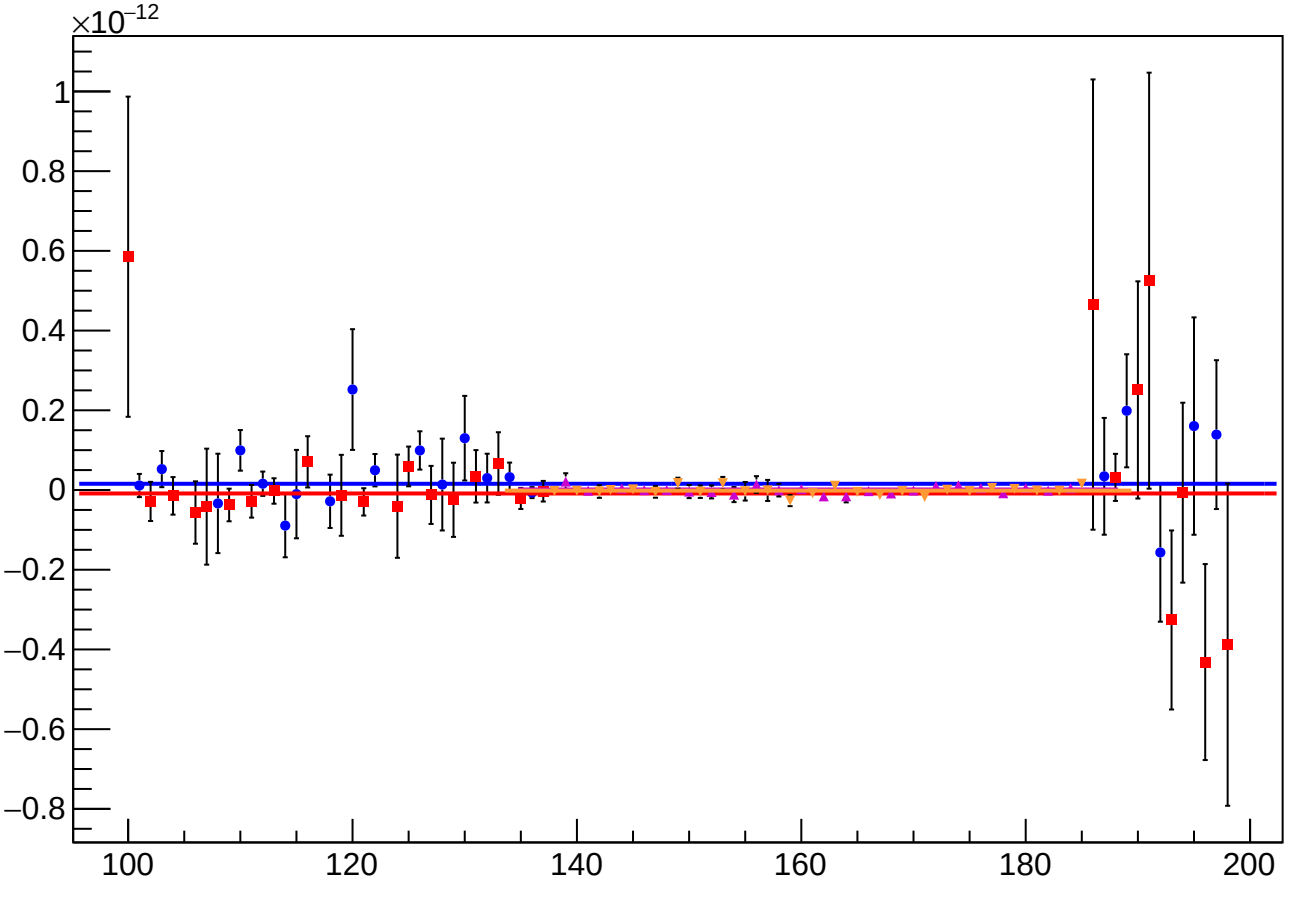
Right Out: 34.015+/-0.008 χ^2/NDF: 5352625.4/26

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

\+ sign 28.996+/-0.004 χ^2/NDF: 11200395.9/45

All: 27.517+/-0.003 χ^2/NDF: 26225360.2/95

\- sign 26.239+/-0.004 χ^2/NDF: 14820696.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

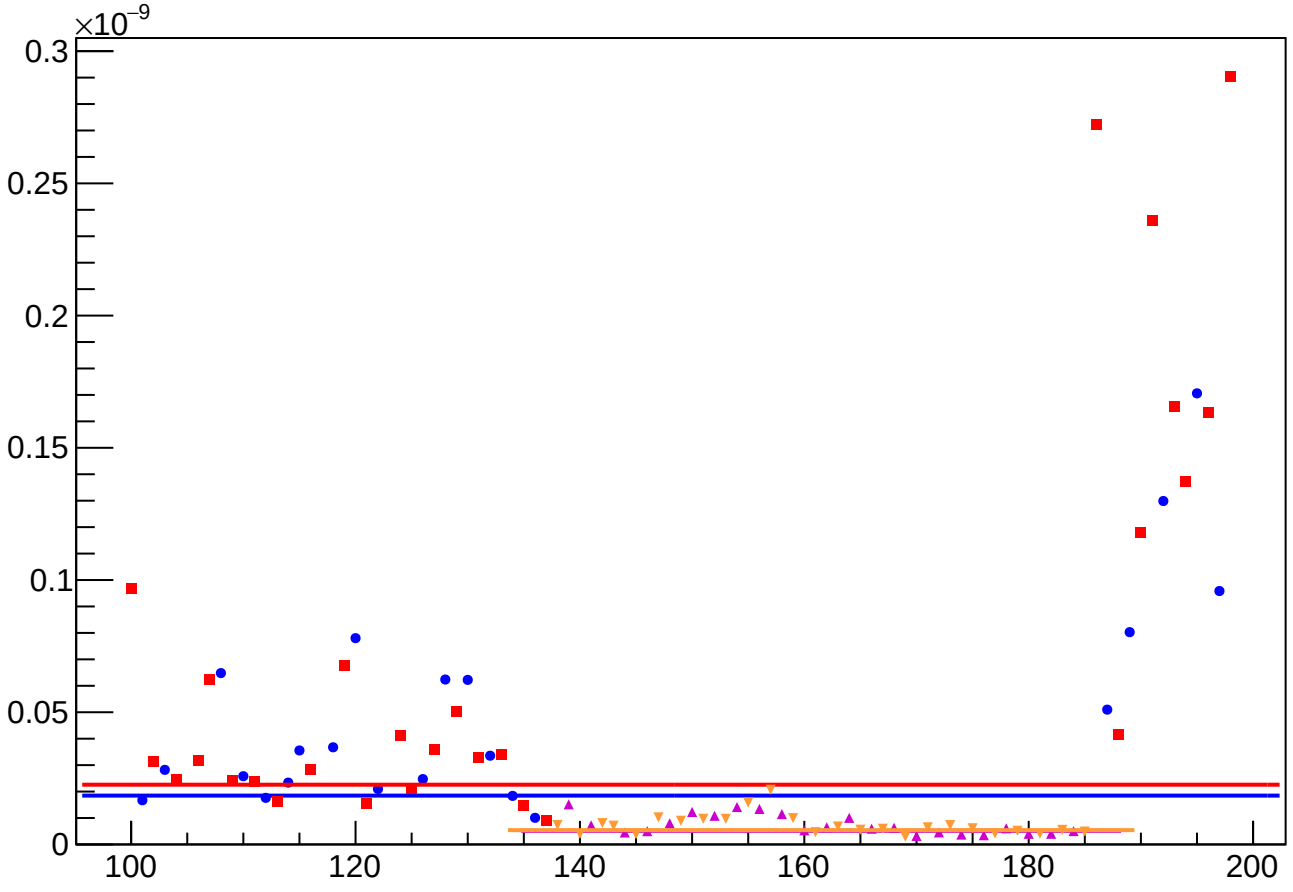
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/26

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.1/45

All: 0.000+/-0.000 χ^2/NDF: 75.5/95

- sign 0.000+/-0.000 χ^2/NDF: 34.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 4736246.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6039676.2/26

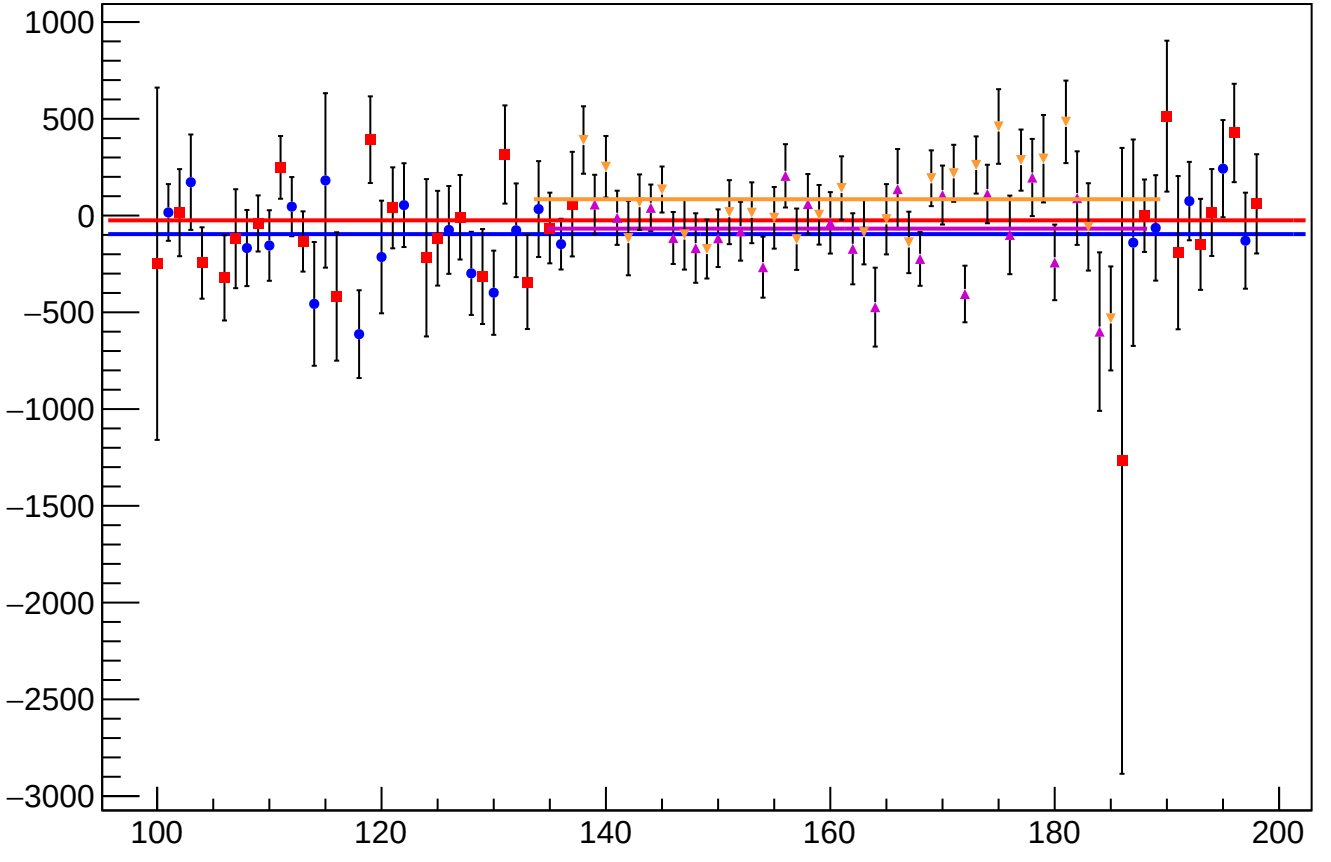
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11551565.1/45

All: 0.000+/-0.000 χ^2/NDF: 26270421.3/95

- sign 0.000+/-0.000 χ^2/NDF: 14700382.3/49

reg_asym_sam_48_avg_mean vs Slug



Right In: -96.003+/-46.810 χ^2/NDF: 16.2/20

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -24.735+/-44.196 χ^2/NDF: 23.5/26

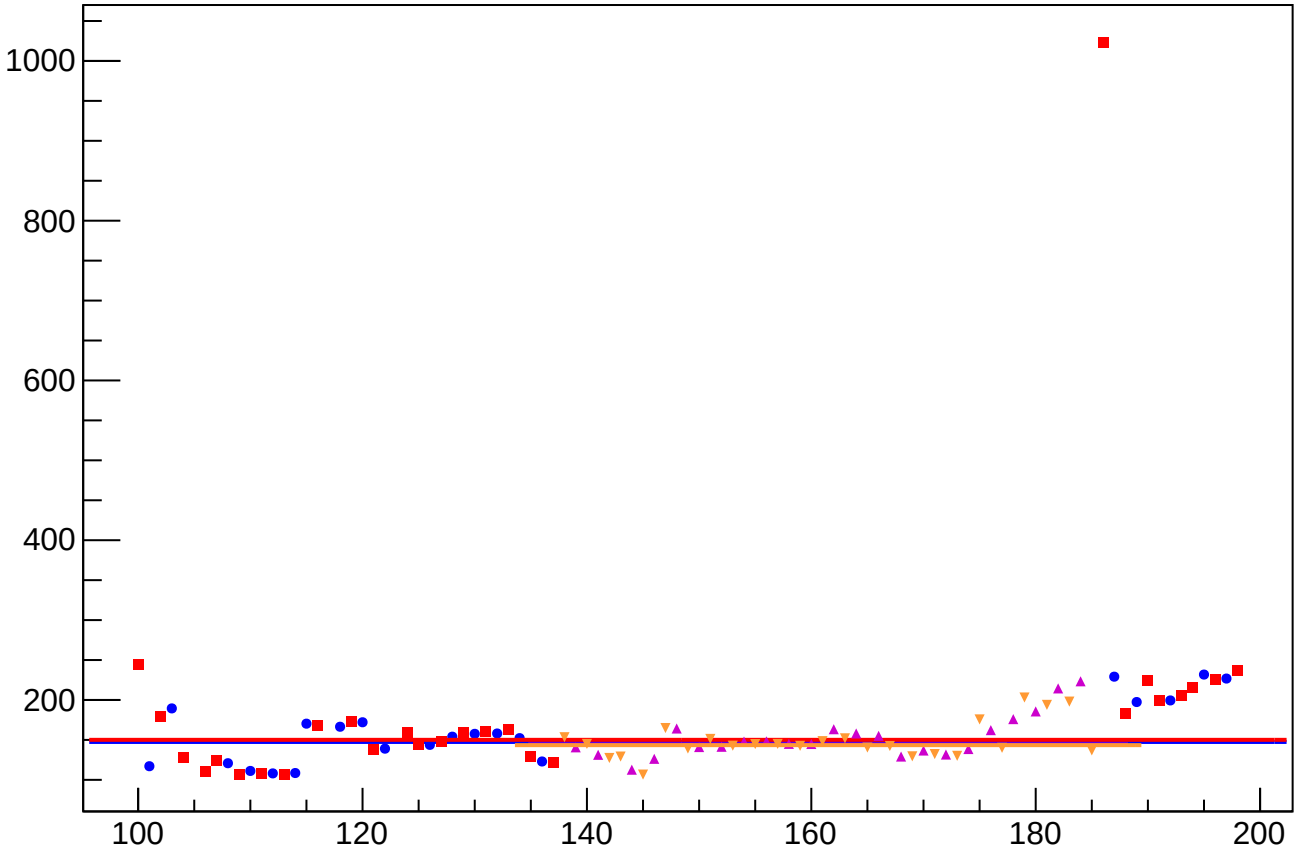
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 24.371+/-26.991 χ^2/NDF: 59.9/45

All: -13.584+/-19.094 χ^2/NDF: 114.5/95

- sign -51.612+/-27.016 χ^2/NDF: 50.6/49

reg_asym_sam_48_avg_rms vs Slug



Right In: 147.447+/-0.033 χ^2/NDF: 1215959.9/20

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 150.090+/-0.031 χ^2/NDF: 2161154.4/26

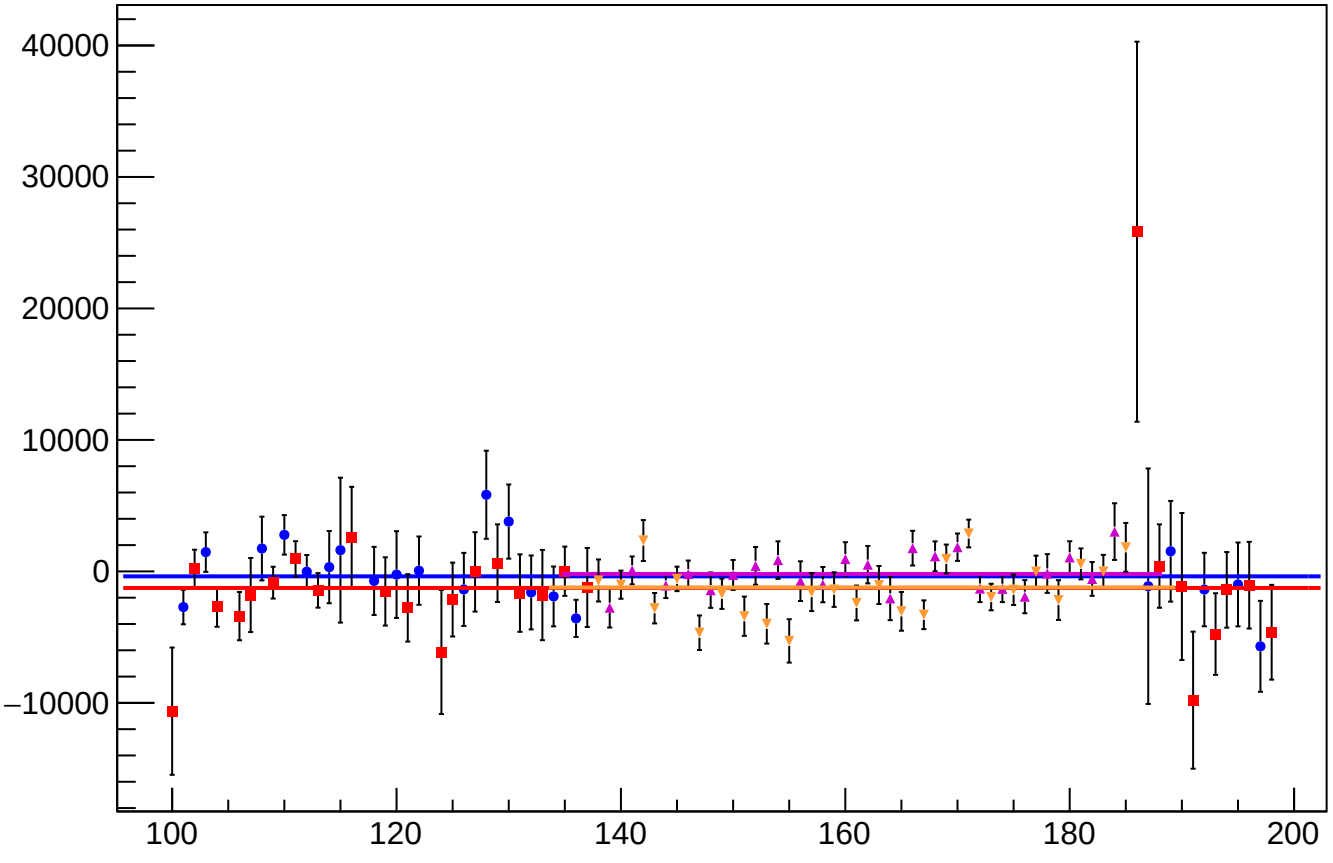
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 144.774+/-0.019 χ^2/NDF: 1972765.0/45

All: 145.578+/-0.014 χ^2/NDF: 4862646.1/95

- sign 146.382+/-0.019 χ^2/NDF: 2886336.4/49

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -375.548+/-478.453 χ^2/NDF: 24.5/20

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1259.170+/-441.751 χ^2/NDF: 22.1/26

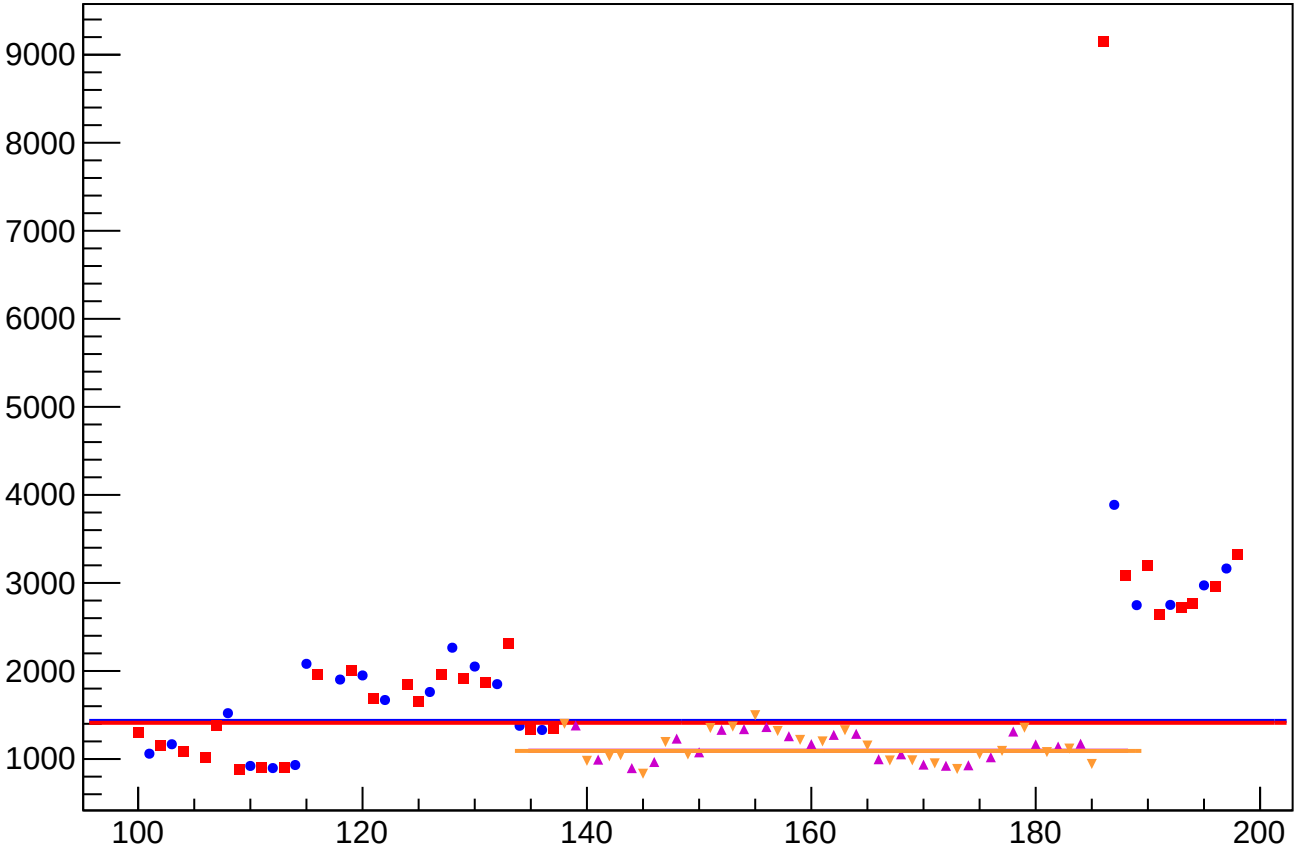
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1040.832+/-222.803 χ^2/NDF: 86.2/45

All: -754.267+/-157.749 χ^2/NDF: 139.2/95

- sign -466.218+/-223.379 χ^2/NDF: 49.7/49

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1432.867+/-0.338 χ^2/NDF: 3141687.0/20

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1411.353+/-0.312 χ^2/NDF: 4979224.9/26

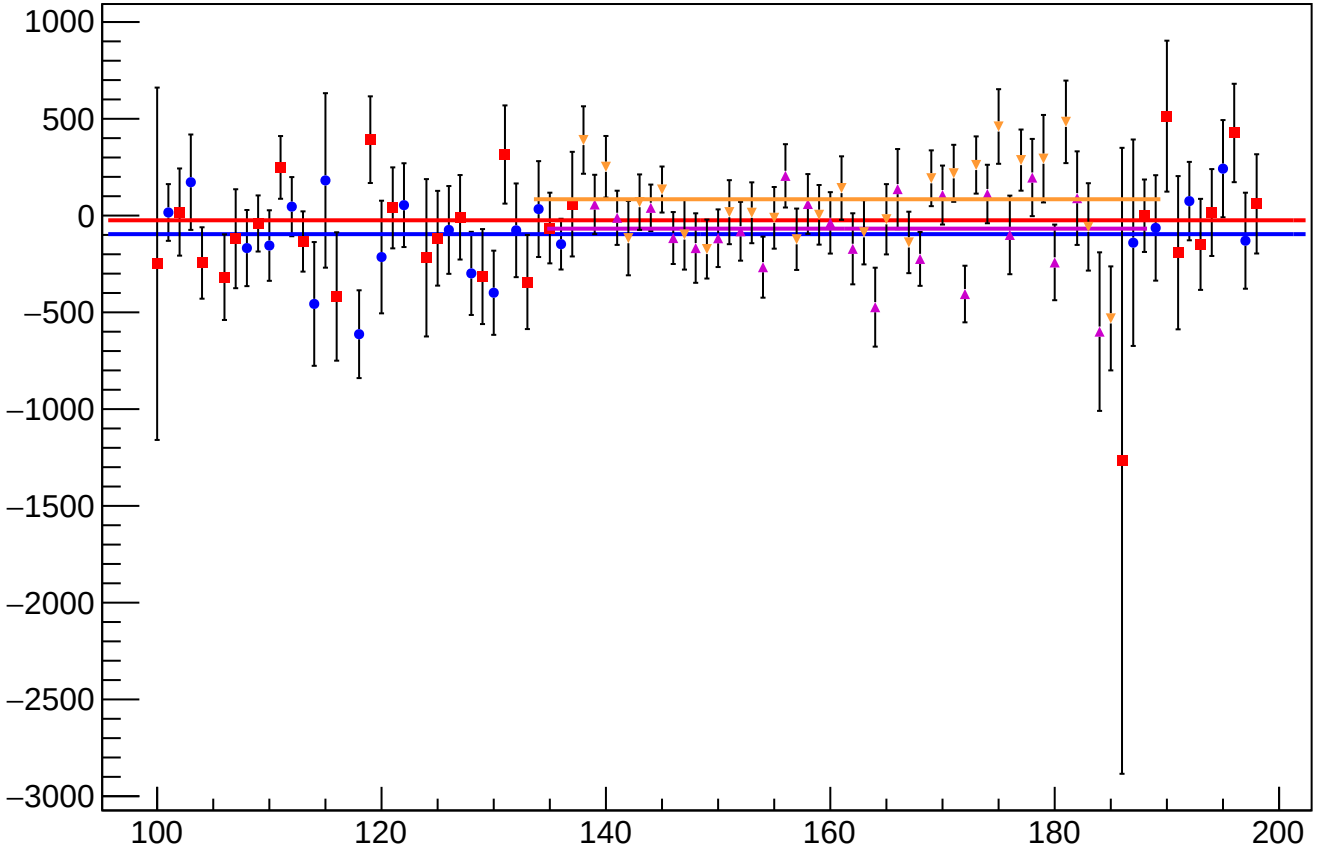
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1165.902+/-0.158 χ^2/NDF: 4829220.9/45

All: 1170.690+/-0.112 χ^2/NDF: 11309218.7/9

- sign 1175.503+/-0.158 χ^2/NDF: 6478145.5/49

cor_asym_sam_48_avg_mean vs Slug



Right In: -96.010+/-46.810 χ^2/NDF: 16.2/20

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -24.387+/-44.203 χ^2/NDF: 23.4/26

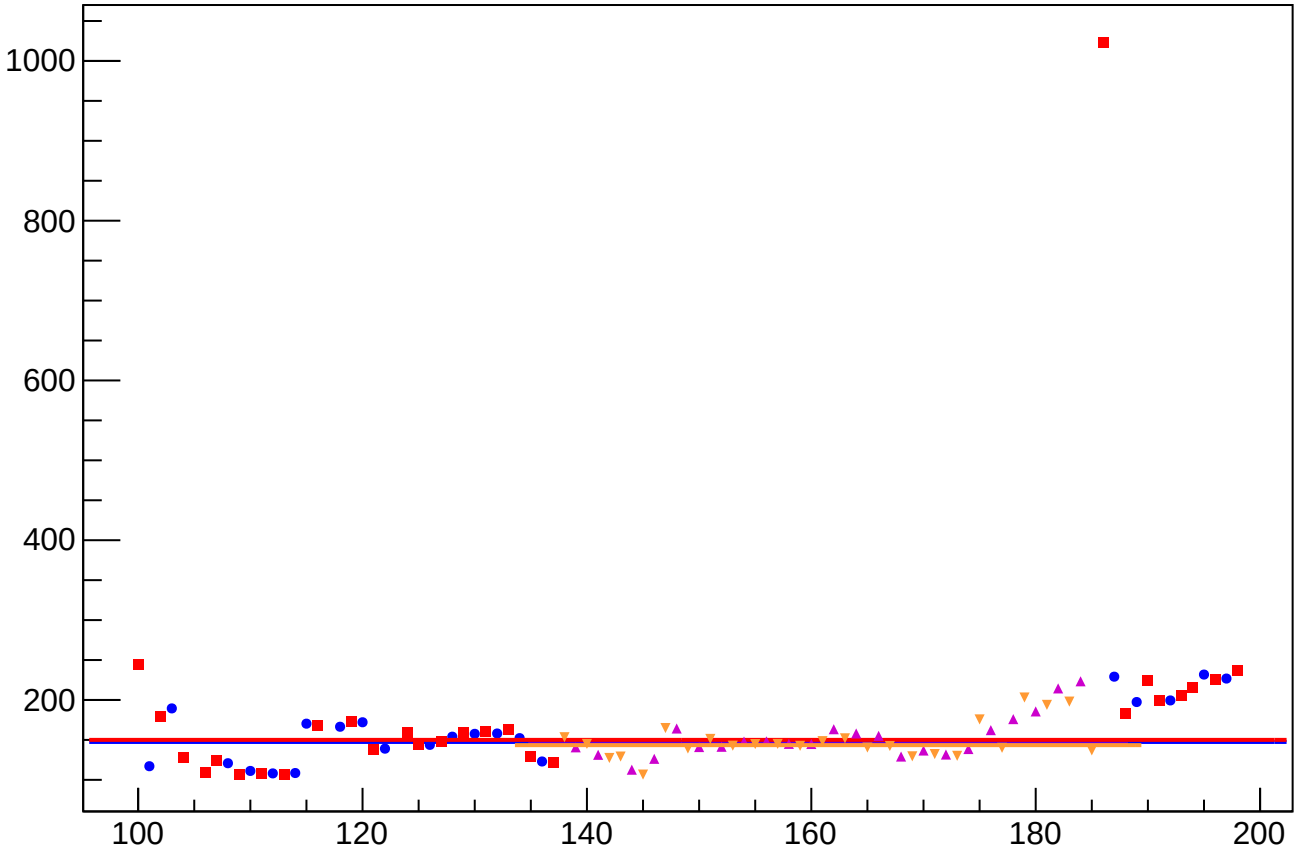
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.378+/-26.991 χ^2/NDF: 59.9/45

All: -13.516+/-19.095 χ^2/NDF: 114.4/95

- sign -51.486+/-27.018 χ^2/NDF: 50.6/49

cor_asym_sam_48_avg_rms vs Slug



Right In: 147.447+/-0.033 χ^2/NDF: 1215962.5/20

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

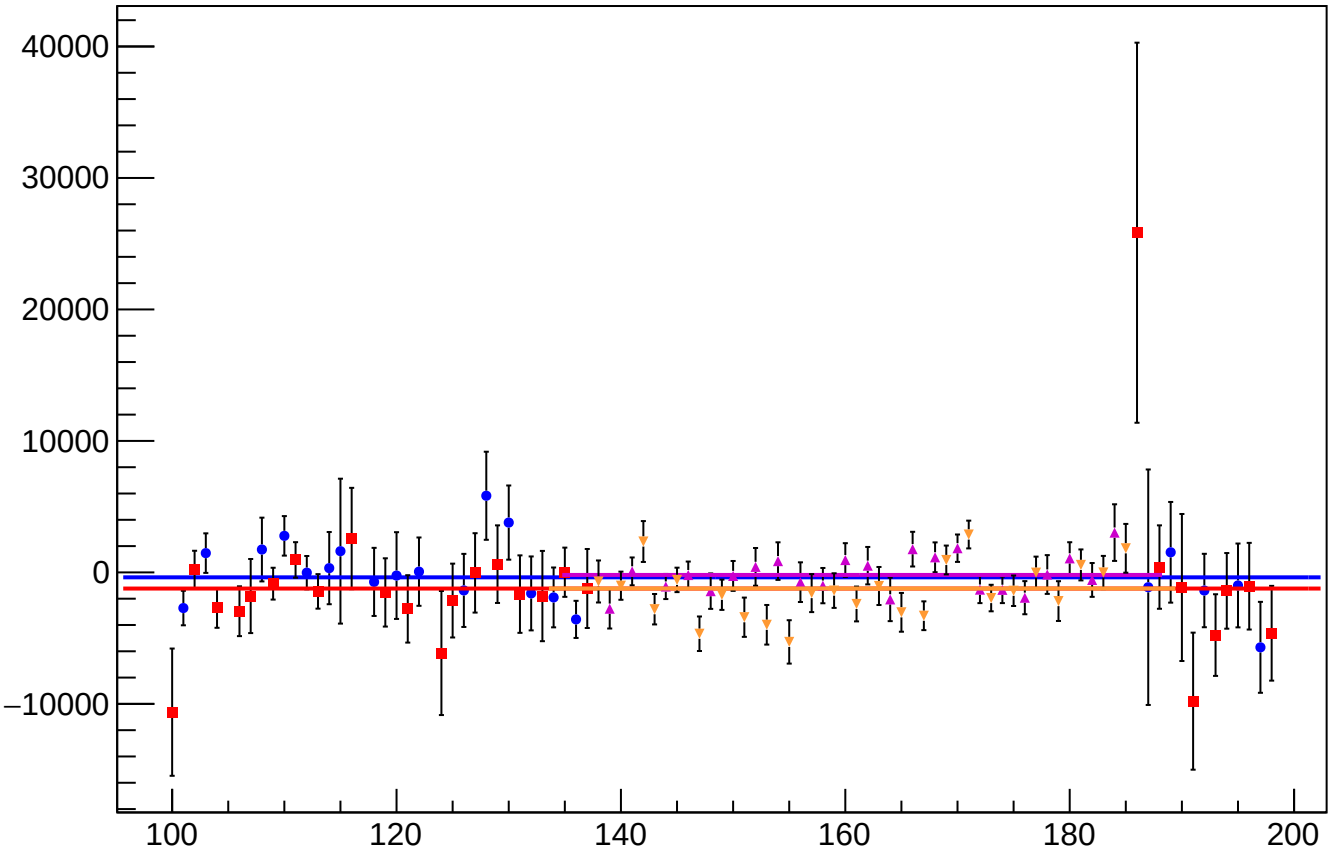
Right Out: 150.038+/-0.031 χ^2/NDF: 2166187.1/26

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 144.774+/-0.019 χ^2/NDF: 1972767.8/45

All: 145.568+/-0.014 χ^2/NDF: 4867198.9/95

- sign 146.362+/-0.019 χ^2/NDF: 2890973.3/49



Right In: -375.614+/-478.457 χ^2/NDF: 24.5/20

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1228.253+/-442.526 χ^2/NDF: 21.6/26

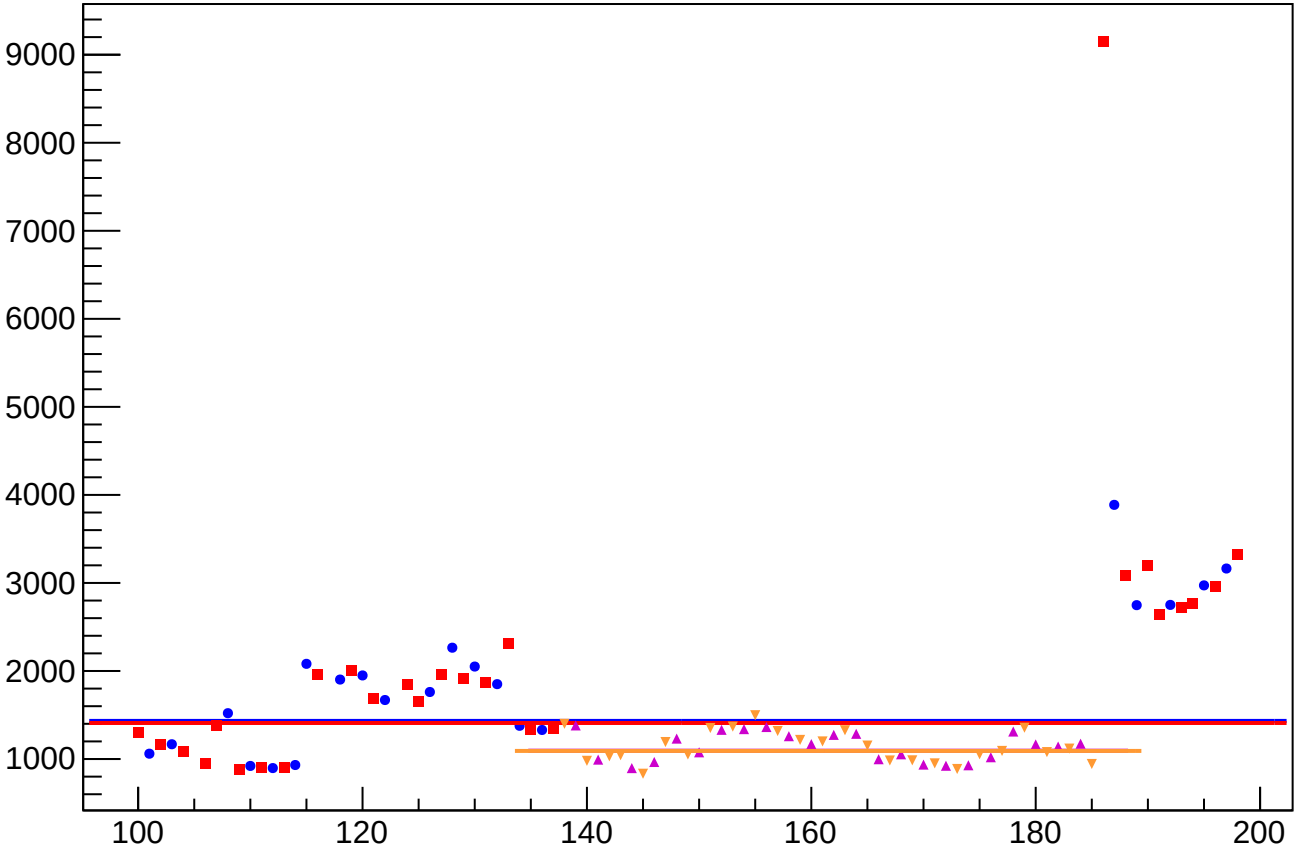
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1040.836+/-222.803 χ^2/NDF: 86.2/45

All: -750.114+/-157.784 χ^2/NDF: 138.5/95

- sign -457.626+/-223.479 χ^2/NDF: 48.9/49

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1432.882+/-0.338 χ^2/NDF: 3141626.9/20

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1409.408+/-0.313 χ^2/NDF: 5002779.6/26

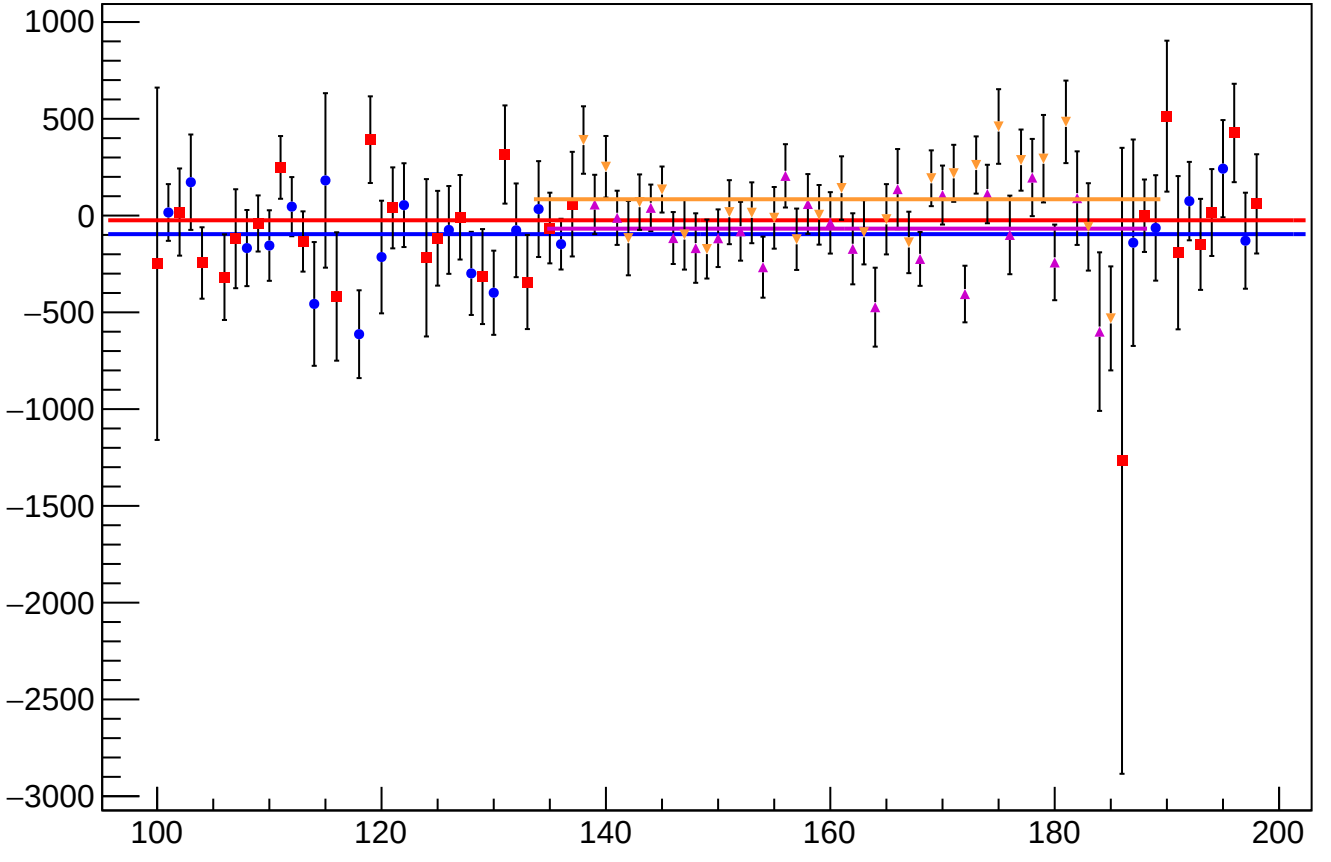
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1165.904+/-0.158 χ^2/NDF: 4829219.6/45

All: 1170.337+/-0.112 χ^2/NDF: 11321163.8/9

- sign 1174.796+/-0.158 χ^2/NDF: 6490356.1/49

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -96.010+/-46.810 χ^2/NDF: 16.2/20

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -24.387+/-44.203 χ^2/NDF: 23.4/26

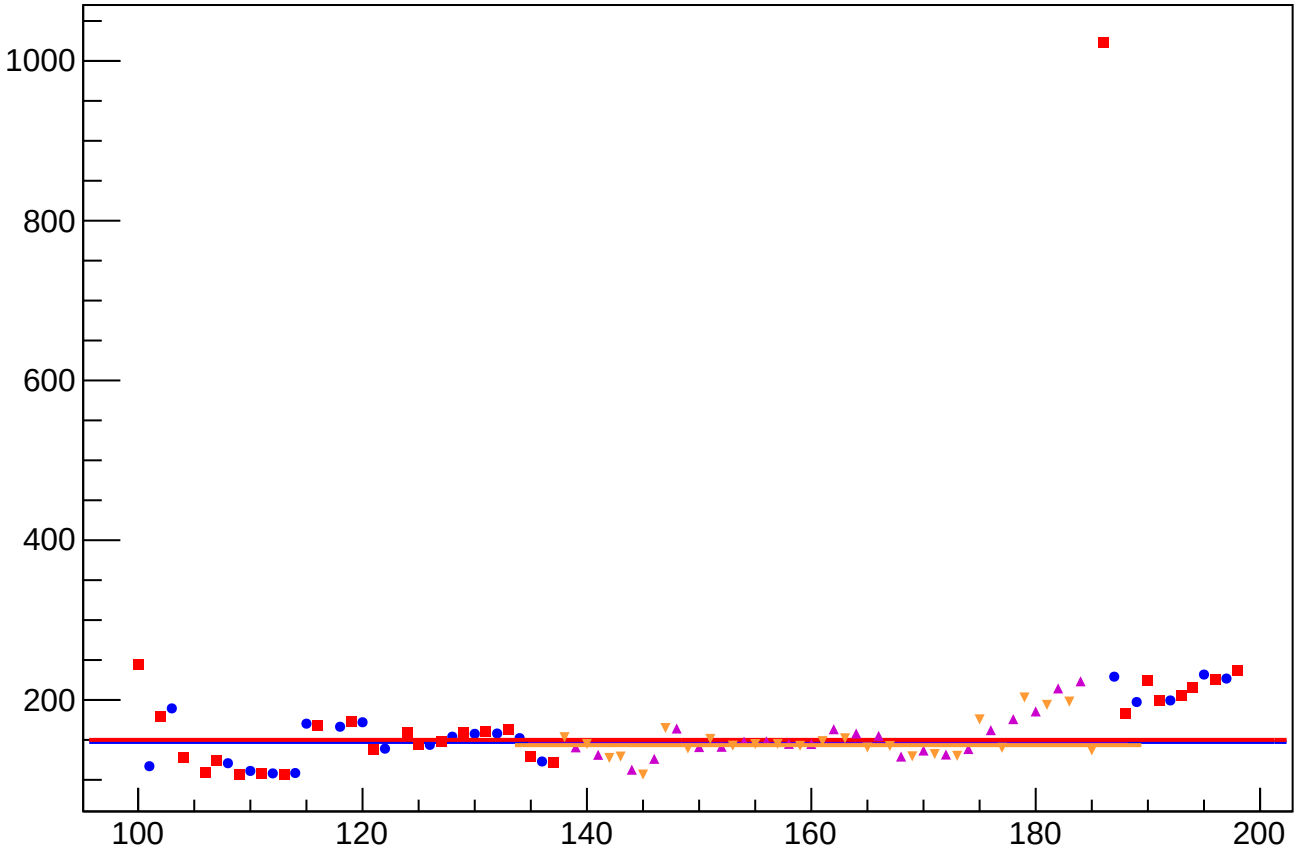
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.378+/-26.991 χ^2/NDF: 59.9/45

All: -13.516+/-19.095 χ^2/NDF: 114.4/95

- sign -51.486+/-27.018 χ^2/NDF: 50.6/49

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 147.447+/-0.033 χ^2/NDF: 1215962.5/20

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

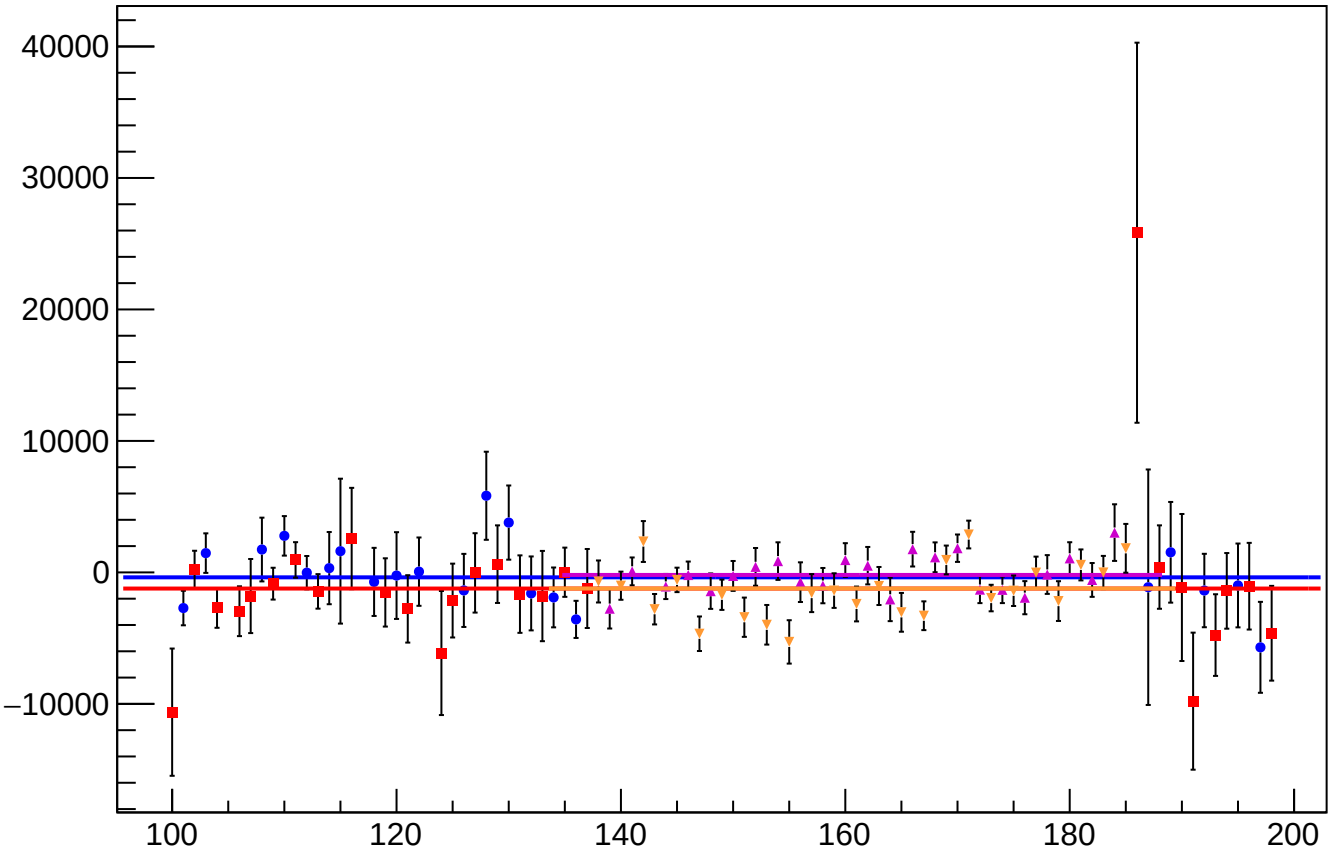
Right Out: 150.038+/-0.031 χ^2/NDF: 2166187.1/26

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 144.774+/-0.019 χ^2/NDF: 1972767.8/45

All: 145.568+/-0.014 χ^2/NDF: 4867198.9/95

- sign 146.362+/-0.019 χ^2/NDF: 2890973.3/49



Right In: -375.614+/-478.457 χ^2/NDF: 24.5/20

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1228.253+/-442.526 χ^2/NDF: 21.6/26

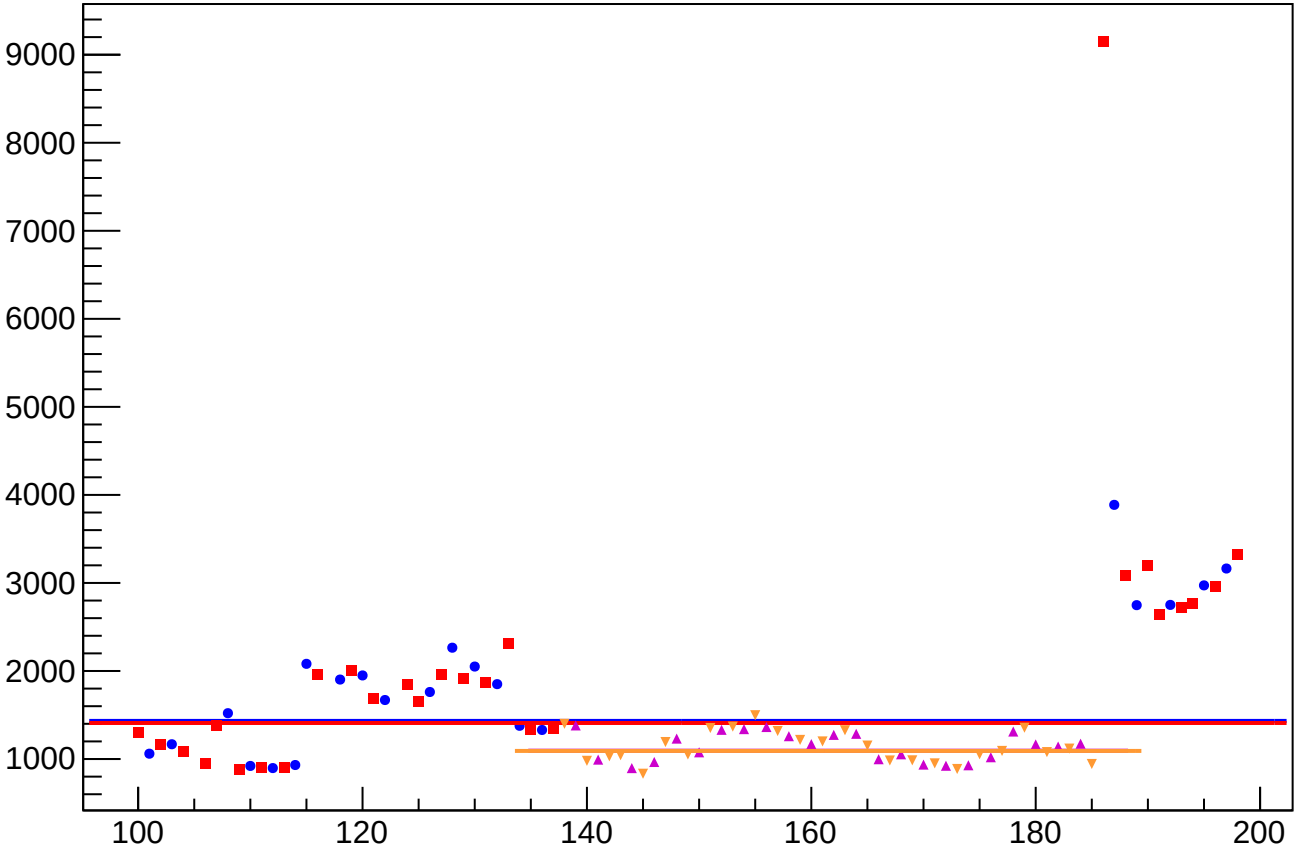
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

\+ sign -1040.836+/-222.803 χ^2/NDF: 86.2/45

All: -750.114+/-157.784 χ^2/NDF: 138.5/95

\- sign -457.626+/-223.479 χ^2/NDF: 48.9/49

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1432.882+/-0.338 χ^2/NDF: 3141626.9/20

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1409.408+/-0.313 χ^2/NDF: 5002779.6/26

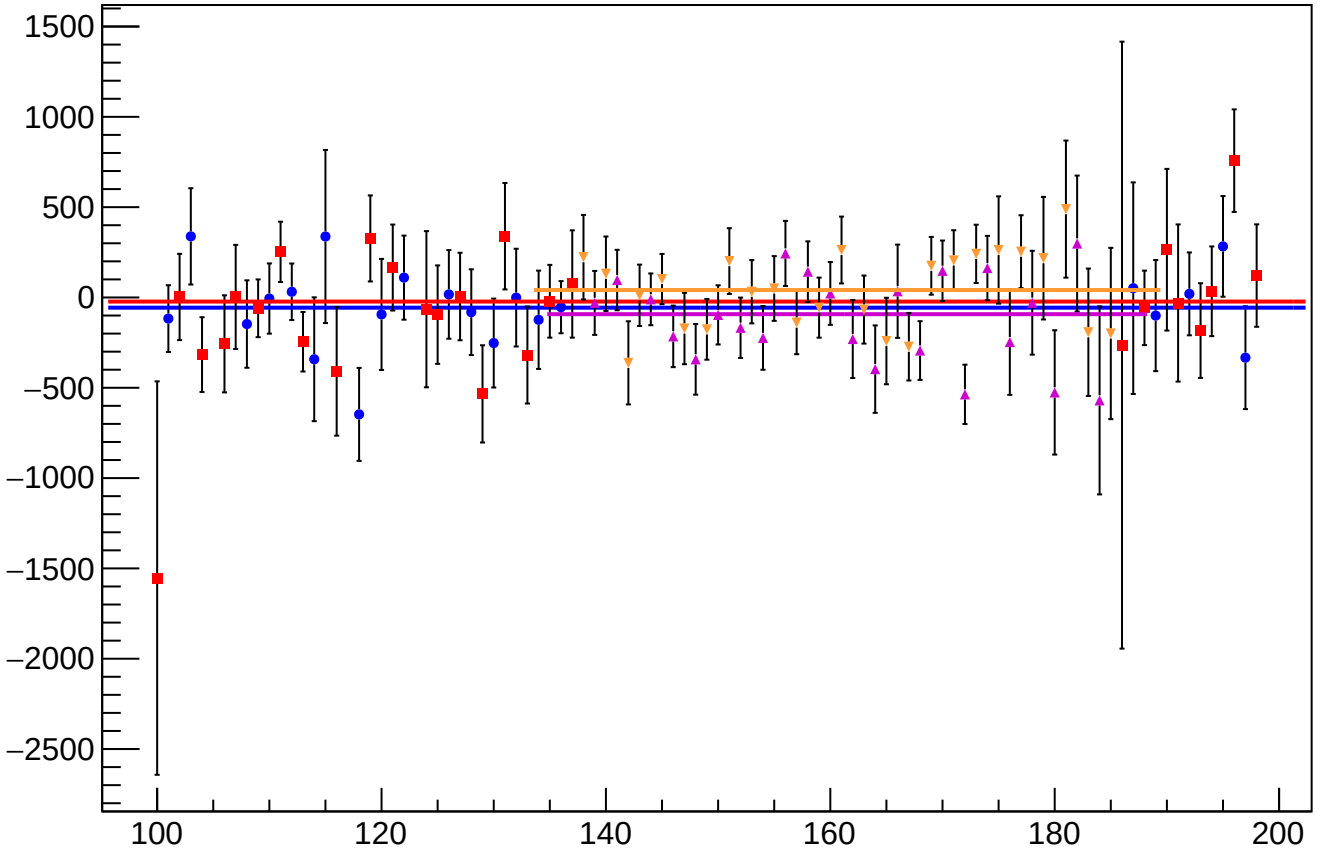
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1165.904+/-0.158 χ^2/NDF: 4829219.6/45

All: 1170.337+/-0.112 χ^2/NDF: 11321163.8/9

- sign 1174.796+/-0.158 χ^2/NDF: 6490356.1/49

dit_asym_sam_48_avg_mean vs Slug



Right In: -56.509+/-52.100 χ^2/NDF: 13.4/20

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -22.703+/-48.594 χ^2/NDF: 28.5/26

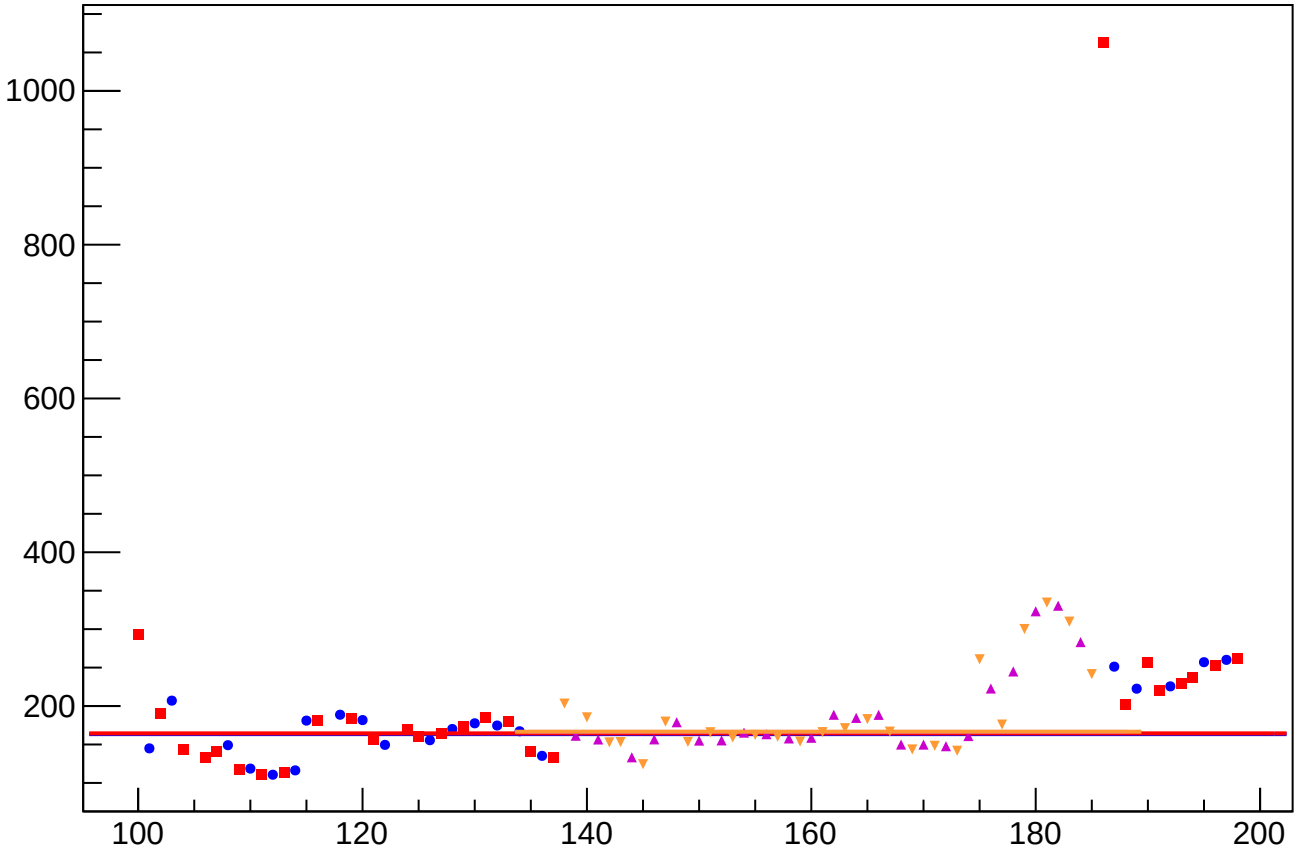
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 5.835+/-31.312 χ^2/NDF: 38.0/45

All: -29.582+/-22.015 χ^2/NDF: 99.8/95

- sign -64.204+/-30.959 χ^2/NDF: 59.3/49

dit_asym_sam_48_avg_rms vs Slug



Right In: 163.478+/-0.037 χ^2/NDF: 1299950.9/20

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 164.470+/-0.034 χ^2/NDF: 2242730.7/26

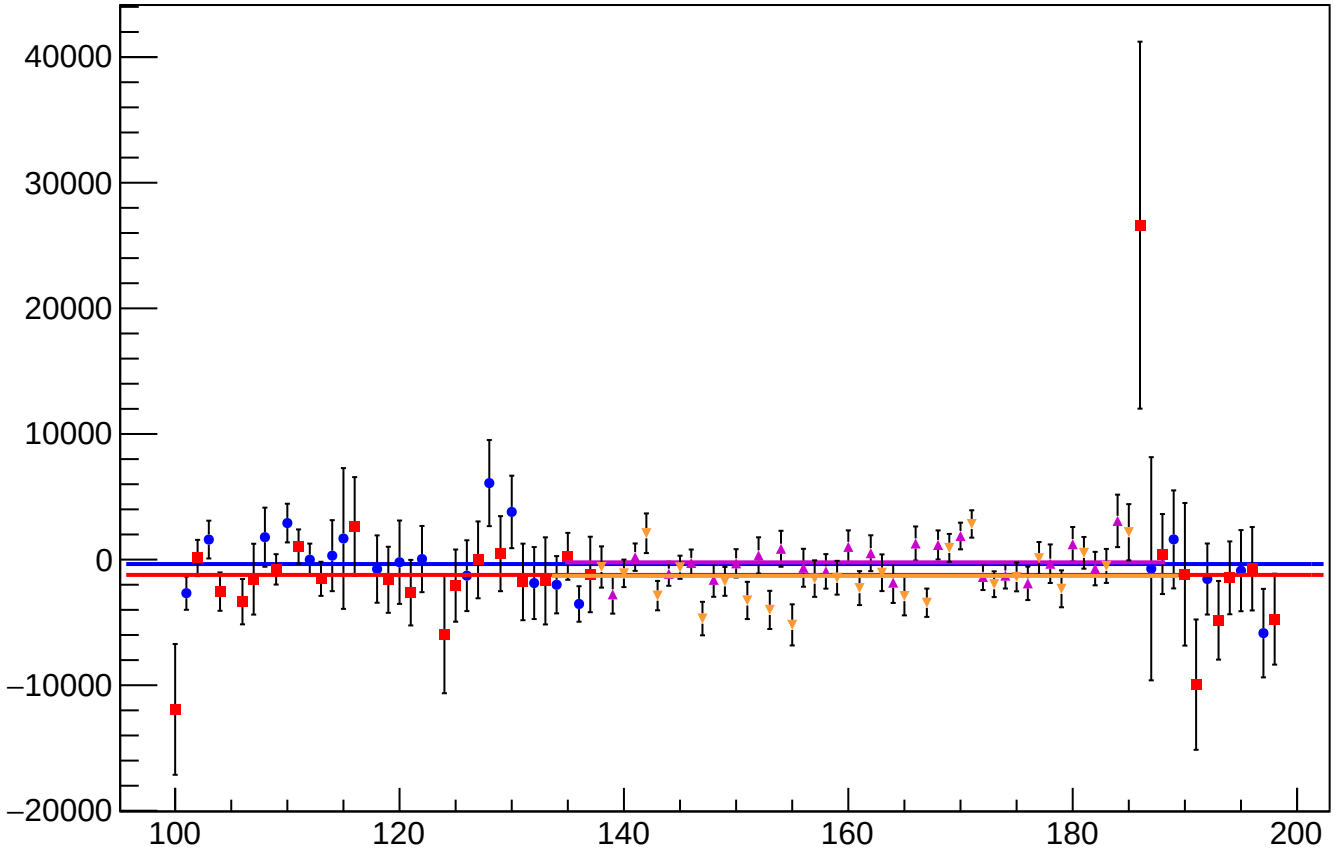
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 165.472+/-0.022 χ^2/NDF: 3024368.9/45

All: 165.517+/-0.016 χ^2/NDF: 6661274.6/95

- sign 165.562+/-0.022 χ^2/NDF: 3636897.2/49

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -354.014+/-483.233 χ^2/NDF: 24.8/20

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1219.356+/-445.760 χ^2/NDF: 22.7/26

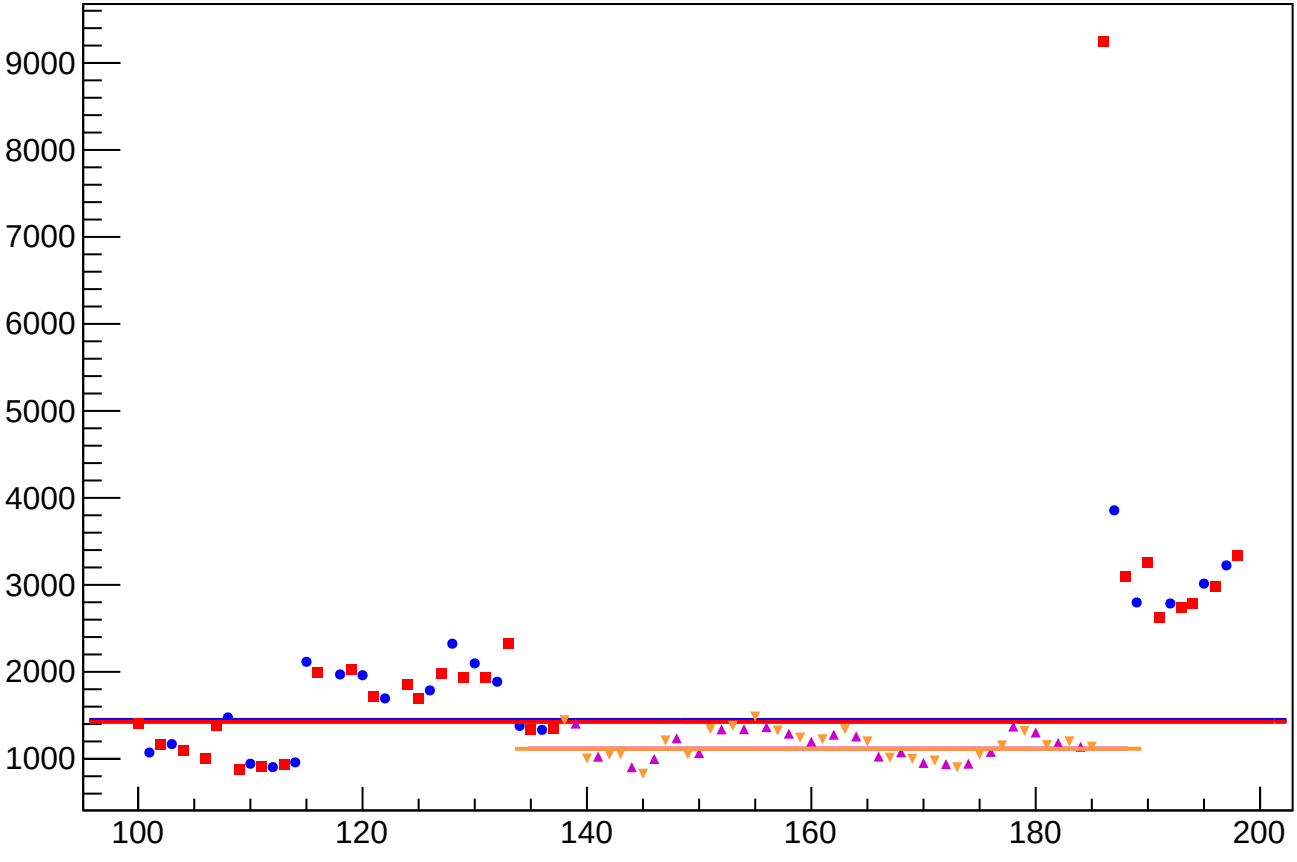
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1090.174+/-226.879 χ^2/NDF: 82.9/45

All: -784.818+/-160.611 χ^2/NDF: 135.3/95

- sign -478.063+/-227.398 χ^2/NDF: 48.7/49

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1446.930+/-0.342 χ^2/NDF: 3169420.8/20

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1424.867+/-0.315 χ^2/NDF: 4987416.0/26

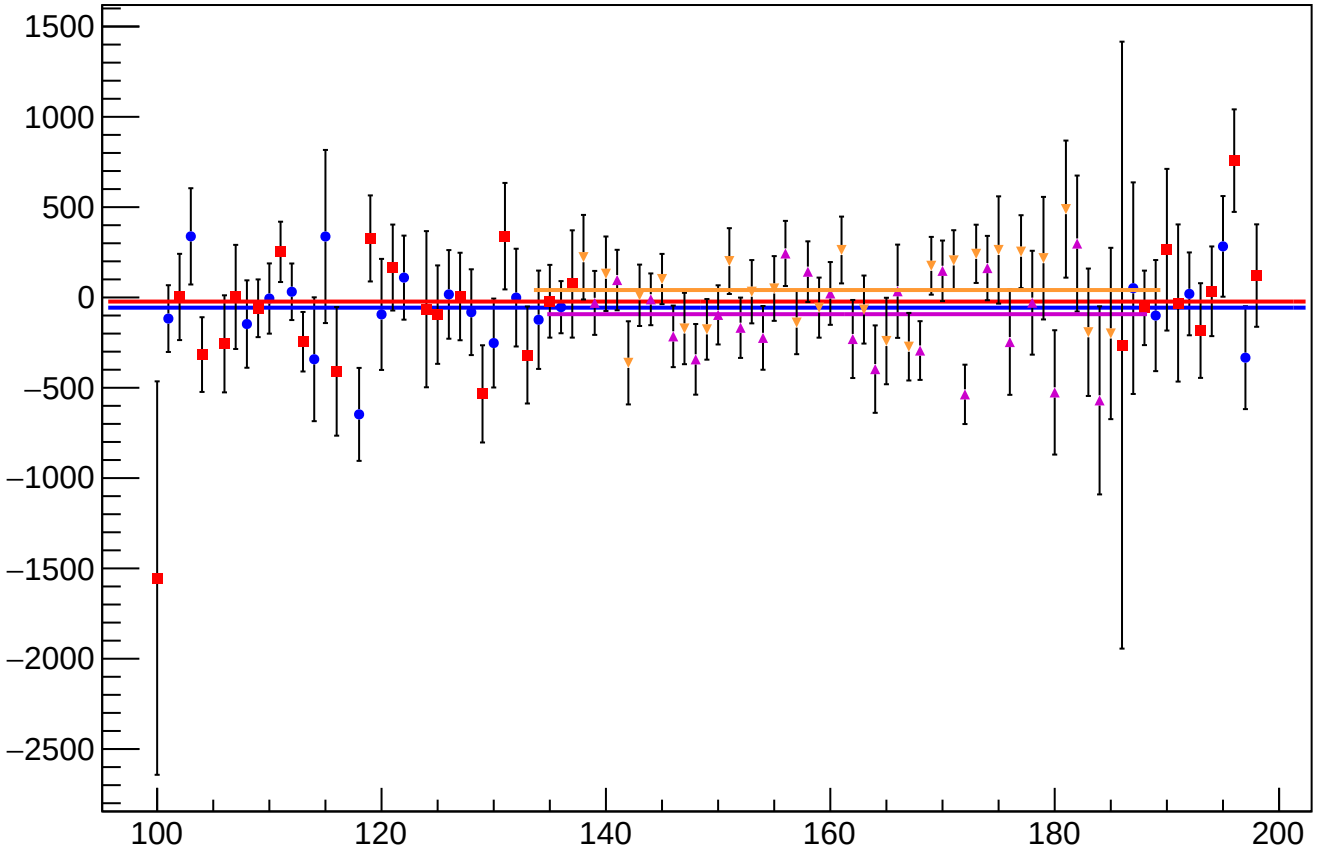
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1188.974+/-0.160 χ^2/NDF: 4767973.6/45

All: 1193.344+/-0.114 χ^2/NDF: 11188199.9/9

- sign 1197.734+/-0.161 χ^2/NDF: 6418738.9/49

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -56.506+/-52.100 χ^2/NDF: 13.4/20

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -22.703+/-48.594 χ^2/NDF: 28.5/26

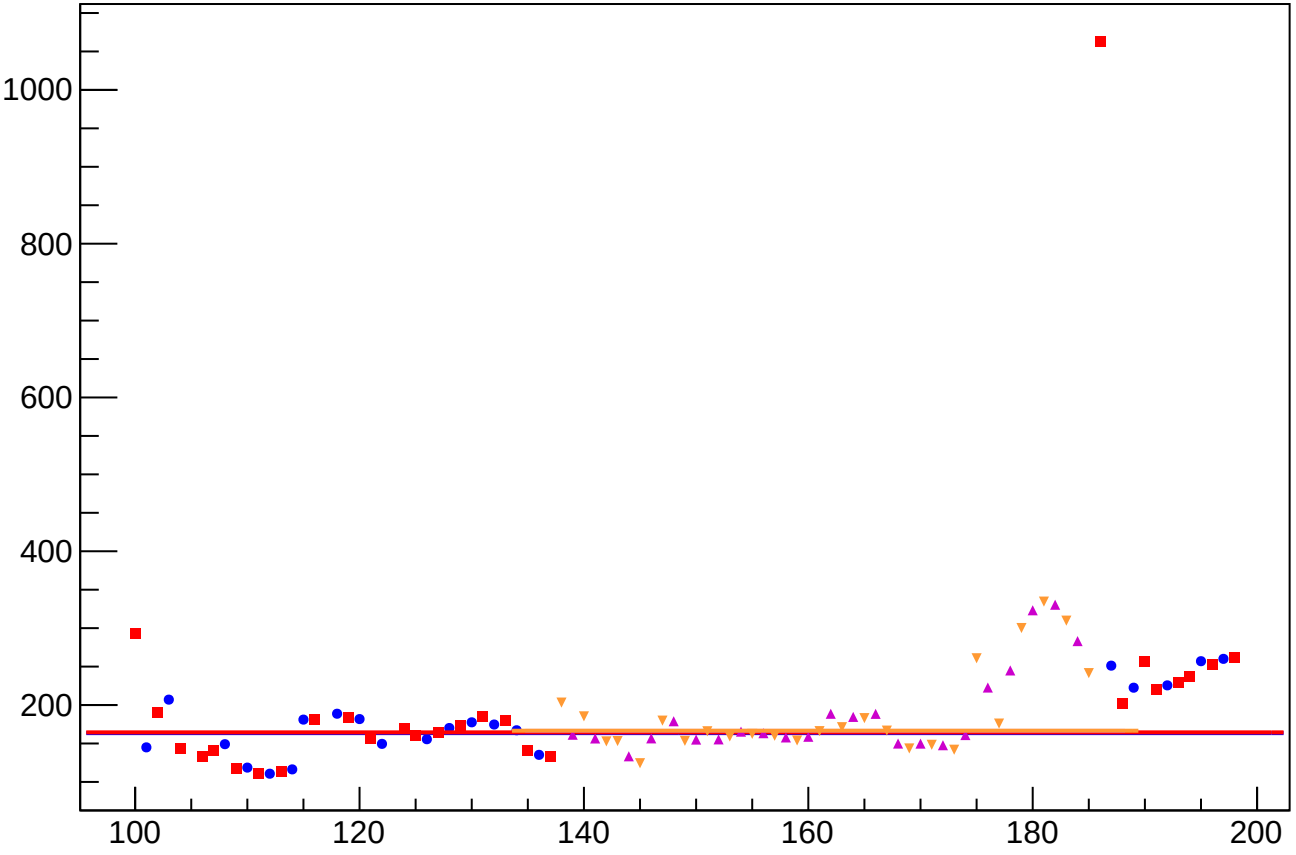
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 5.837+/-31.312 χ^2/NDF: 38.0/45

All: -29.580+/-22.015 χ^2/NDF: 99.8/95

- sign -64.204+/-30.959 χ^2/NDF: 59.3/49

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 163.478+/-0.037 χ^2/NDF: 1299946.1/20

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

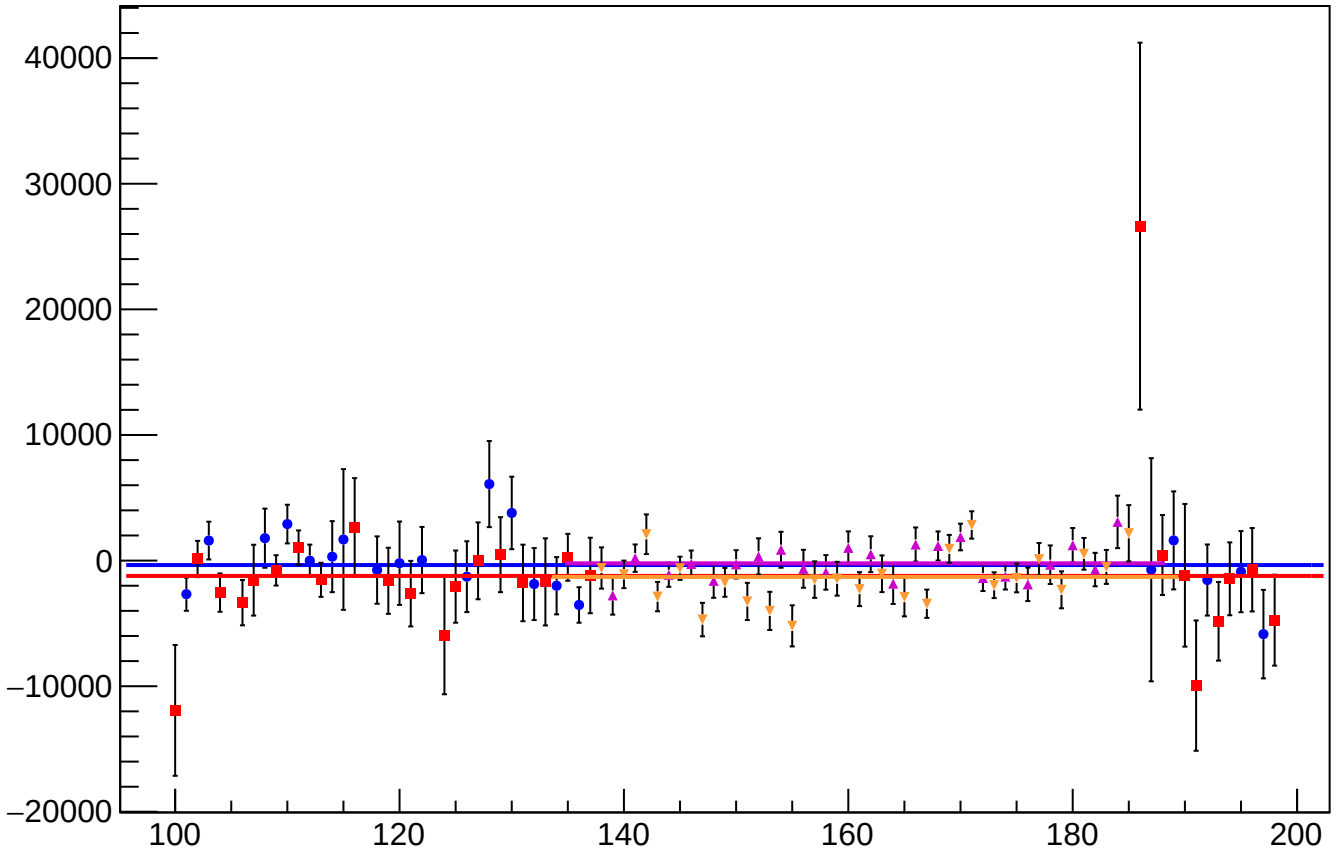
Right Out: 164.470+/-0.034 χ^2/NDF: 2242731.3/26

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 165.472+/-0.022 χ^2/NDF: 3024358.8/45

All: 165.517+/-0.016 χ^2/NDF: 6661245.4/95

- sign 165.562+/-0.022 χ^2/NDF: 3636878.1/49



Right In: -354.013+/-483.232 χ^2/NDF: 24.8/20

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1219.355+/-445.760 χ^2/NDF: 22.7/26

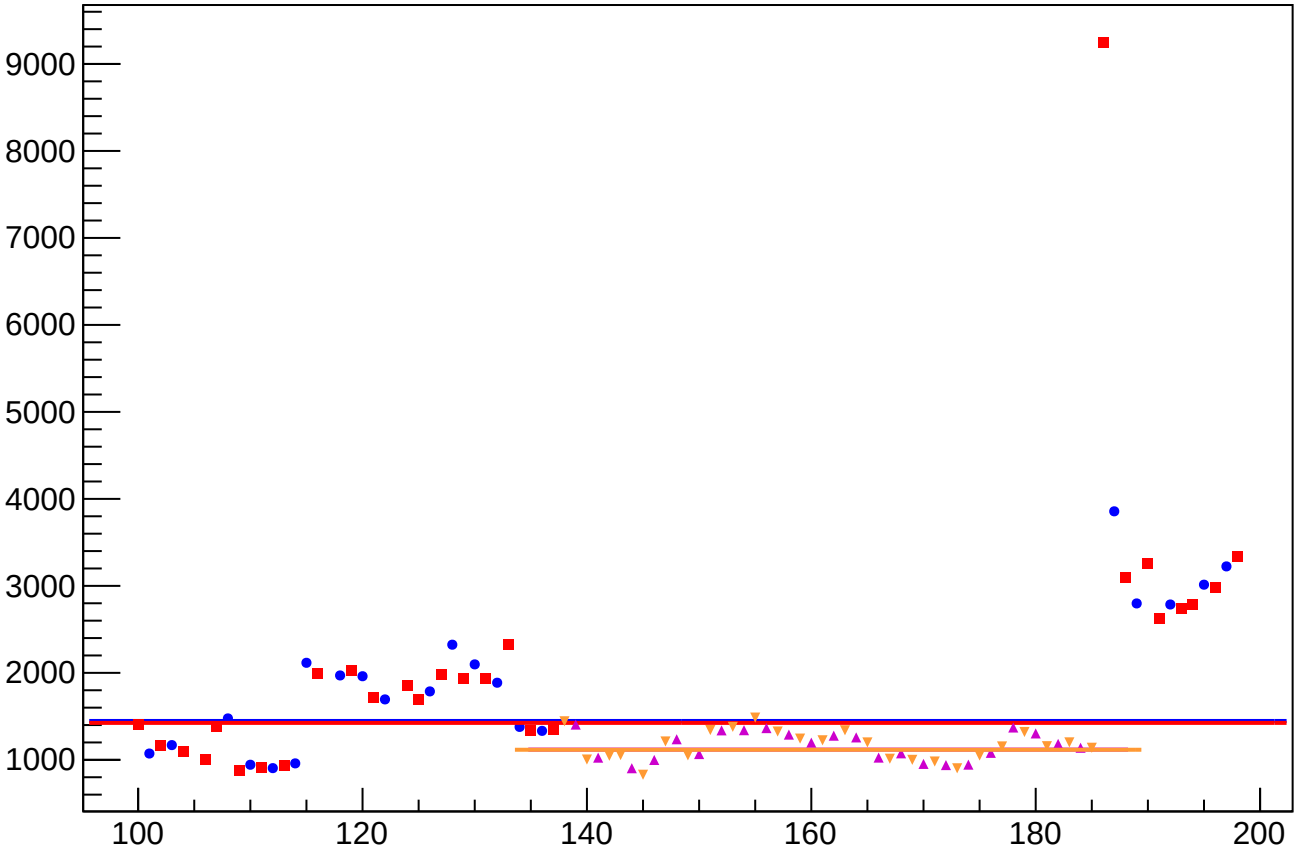
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1090.172+/-226.879 χ^2/NDF: 82.9/45

All: -784.816+/-160.611 χ^2/NDF: 135.3/95

- sign -478.061+/-227.398 χ^2/NDF: 48.7/49

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1446.928+/-0.342 χ^2/NDF: 3169424.3/20

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

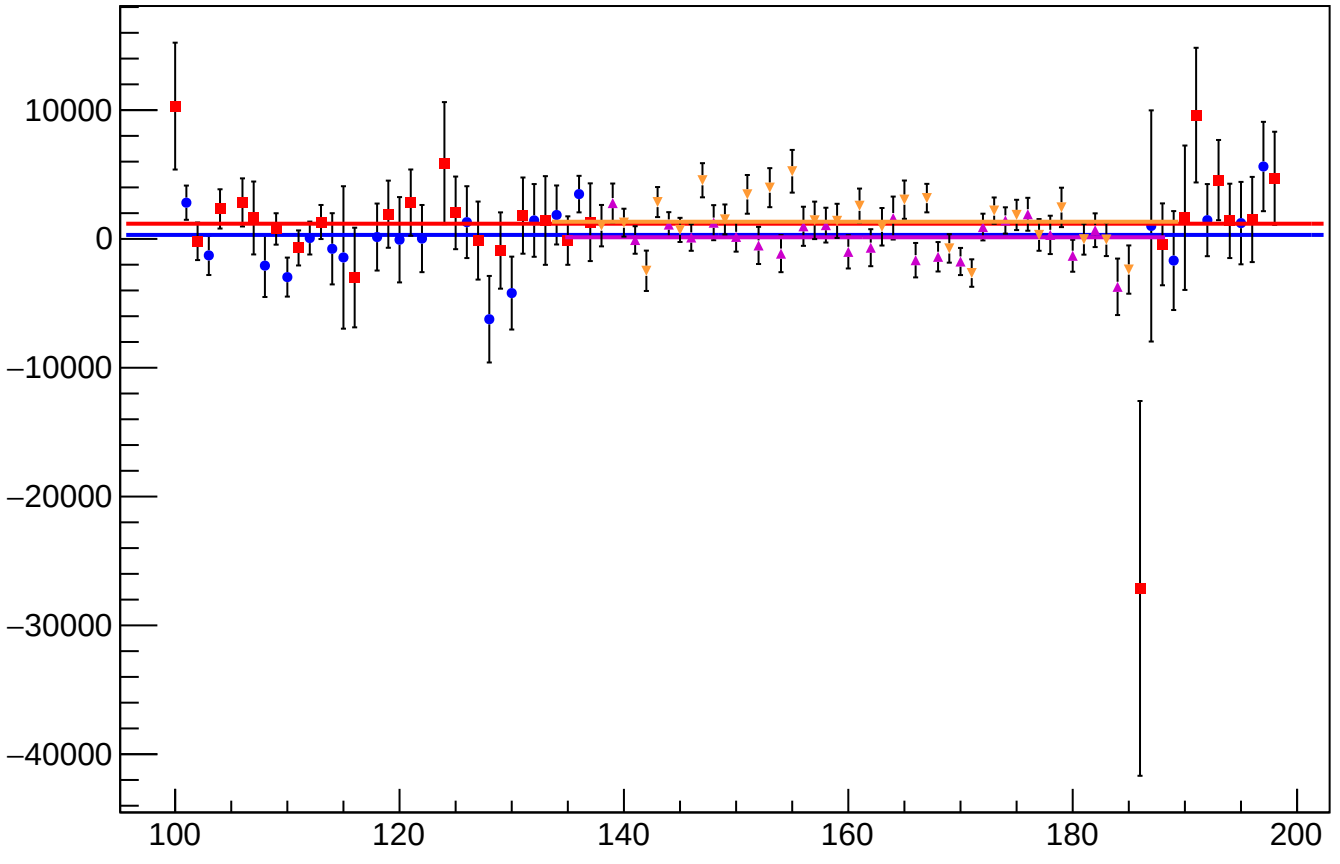
Right Out: 1424.866+/-0.315 χ^2/NDF: 4987415.5/26

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1188.972+/-0.160 χ^2/NDF: 4767982.5/45

All: 1193.342+/-0.114 χ^2/NDF: 11188210.8/9

- sign 1197.732+/-0.161 χ^2/NDF: 6418740.8/49



Right In: 311.661+/-481.807 χ^2/NDF: 25.5/20

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1181.133+/-444.915 χ^2/NDF: 20.5/26

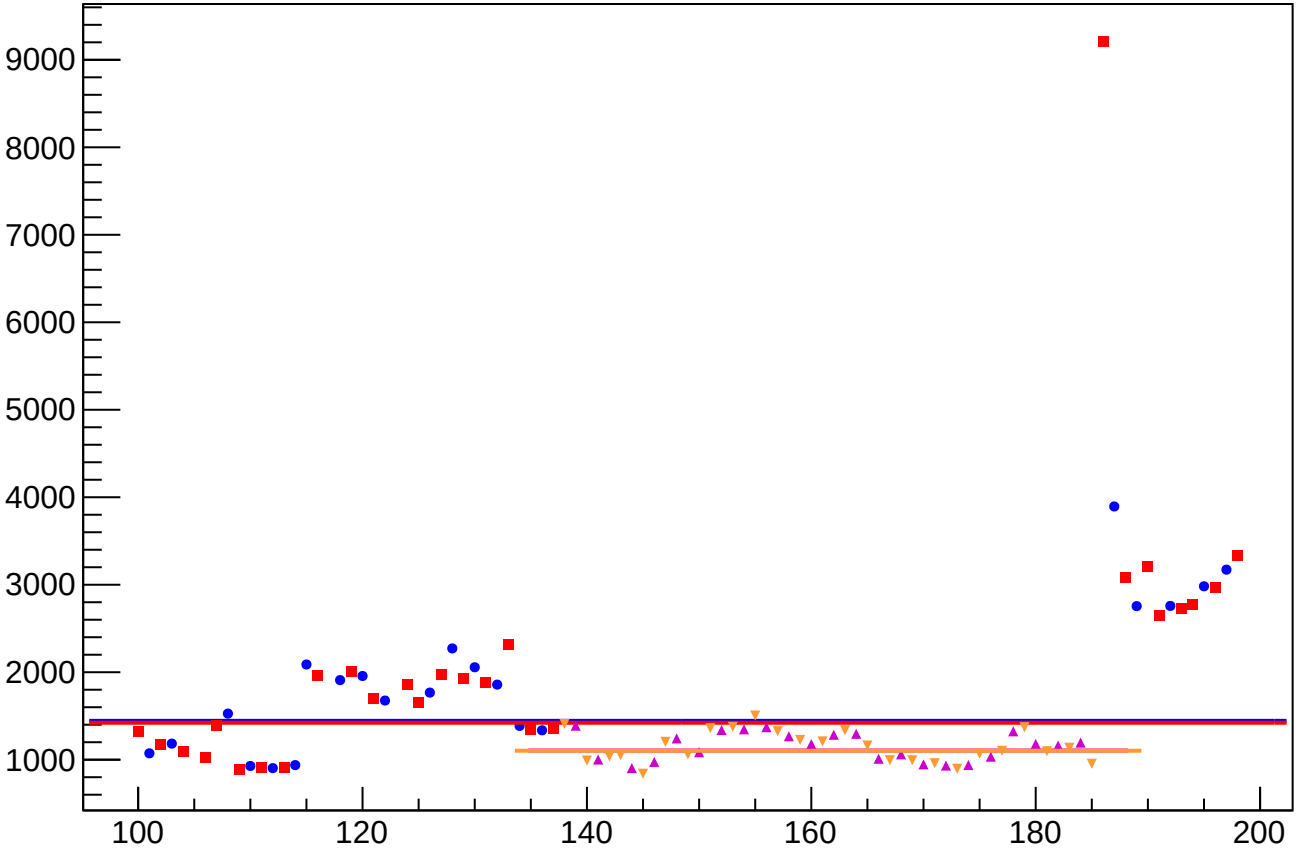
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1111.957+/-224.818 χ^2/NDF: 84.7/45

All: 756.154+/-159.172 χ^2/NDF: 138.4/95

- sign 398.541+/-225.389 χ^2/NDF: 48.6/49

asym_sam_48_avg_rms vs Slug



Right In: 1444.237+/-0.341 χ^2/NDF: 3108366.2/20

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1422.546+/-0.315 χ^2/NDF: 4939432.4/26

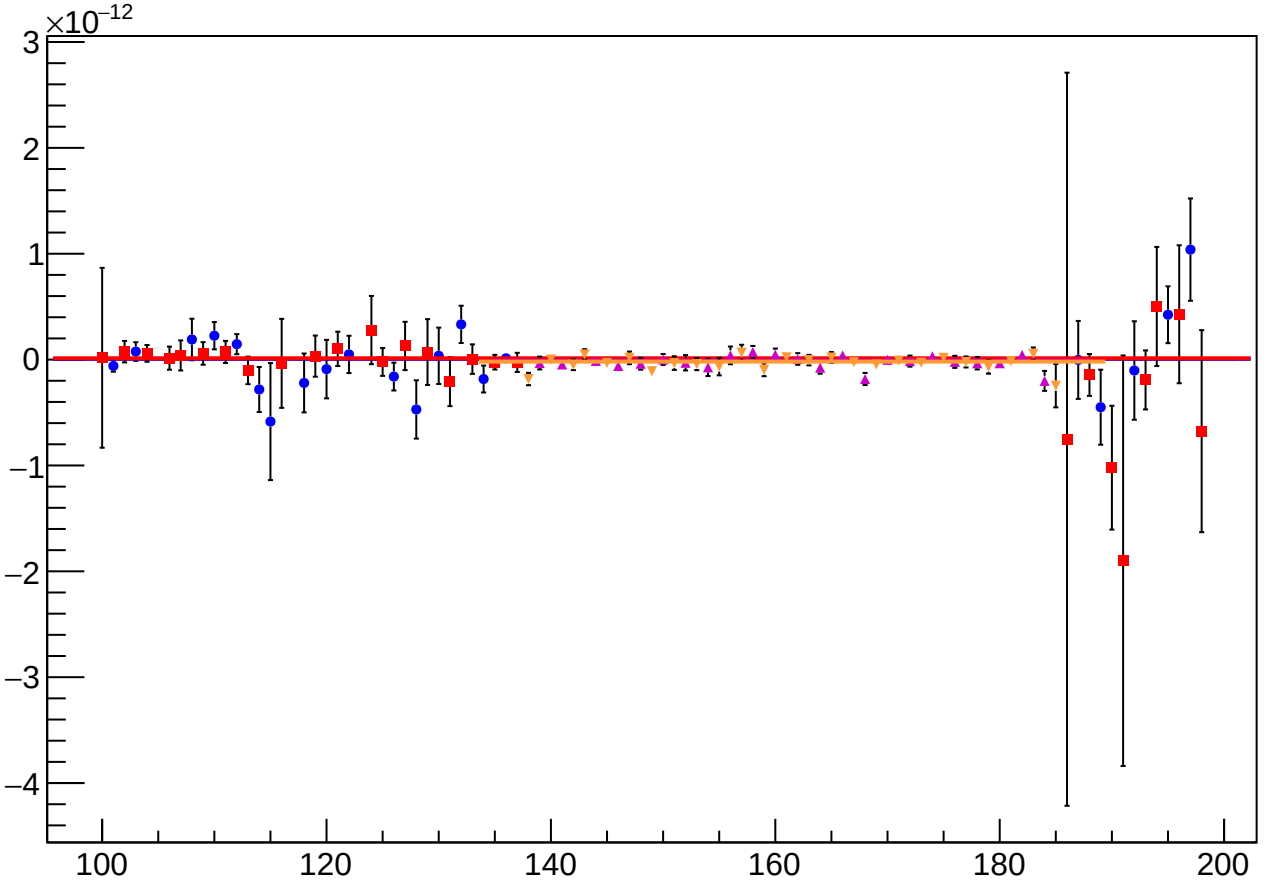
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1177.063+/-0.159 χ^2/NDF: 4775001.1/45

All: 1181.840+/-0.113 χ^2/NDF: 11195940.5/9

- sign 1186.641+/-0.159 χ^2/NDF: 6419128.8/49

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

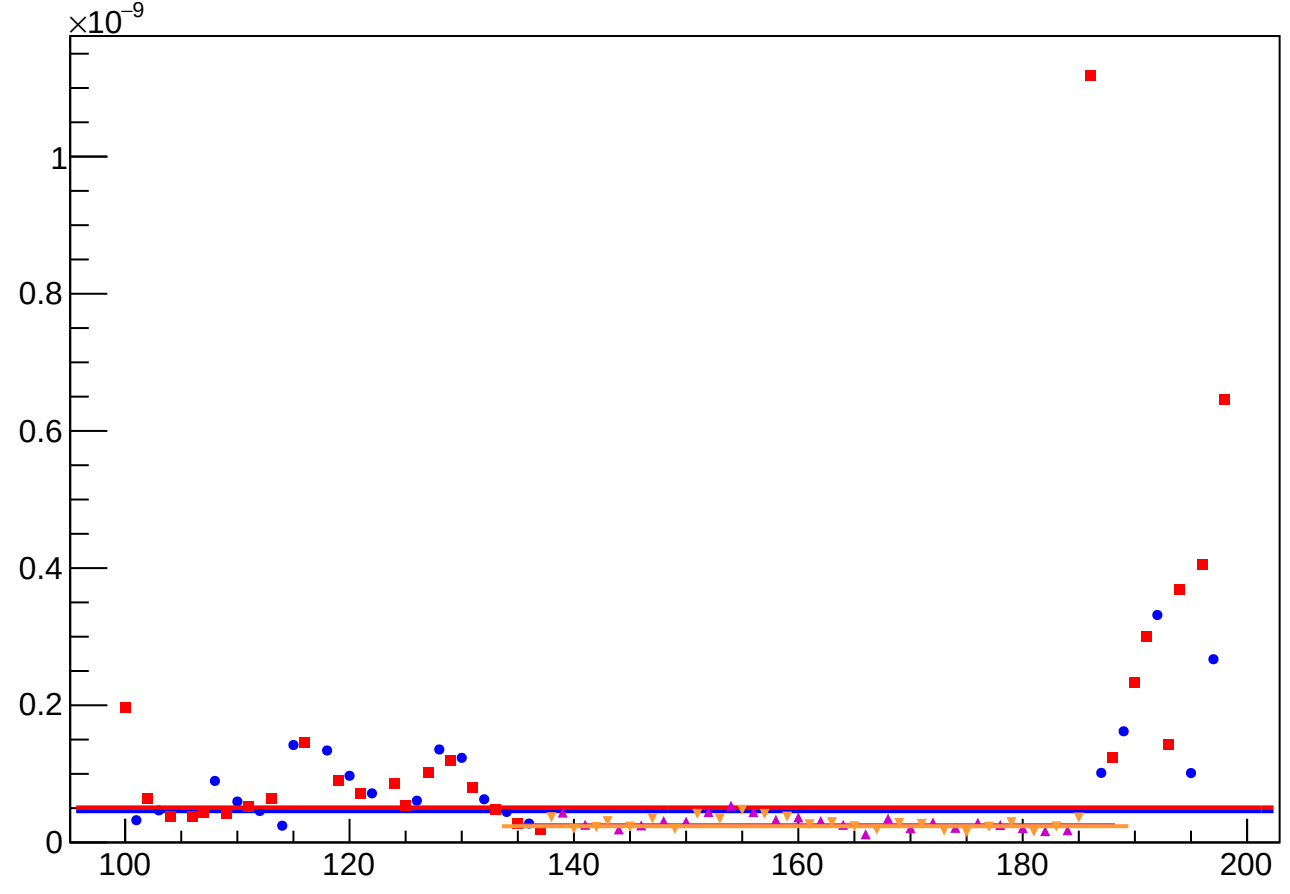
Right Out: 0.000+/-0.000 χ^2/NDF: 11.8/26

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.2/45

All: -0.000+/-0.000 χ^2/NDF: 98.0/95

- sign -0.000+/-0.000 χ^2/NDF: 39.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 2894275.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

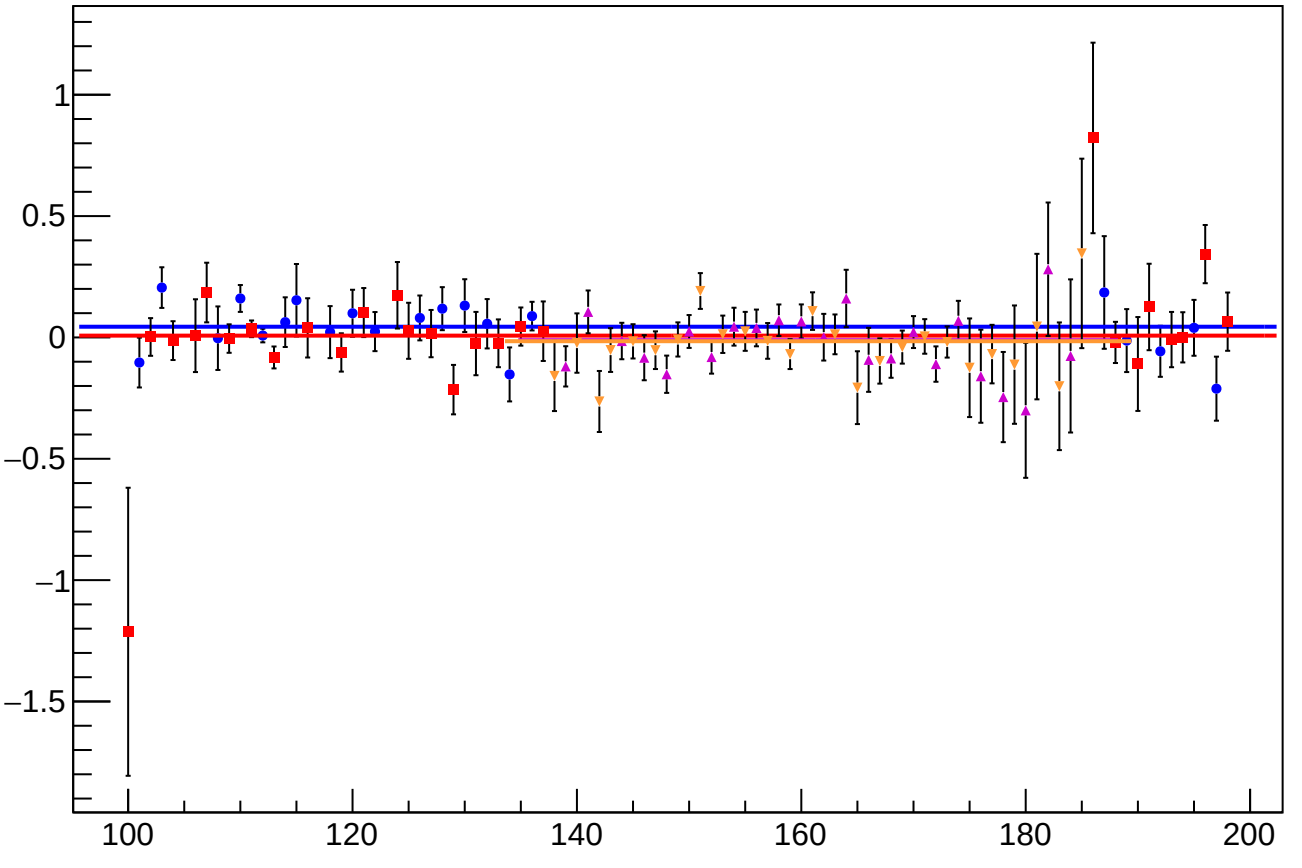
Right Out: 0.000+/-0.000 χ^2/NDF: 4082892.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5547497.6/45

All: 0.000+/-0.000 χ^2/NDF: 12728190.5/95

- sign 0.000+/-0.000 χ^2/NDF: 7134023.6/49



Right In: 0.044+/-0.017 χ^2/NDF: 23.4/20

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.007+/-0.017 χ^2/NDF: 32.8/26

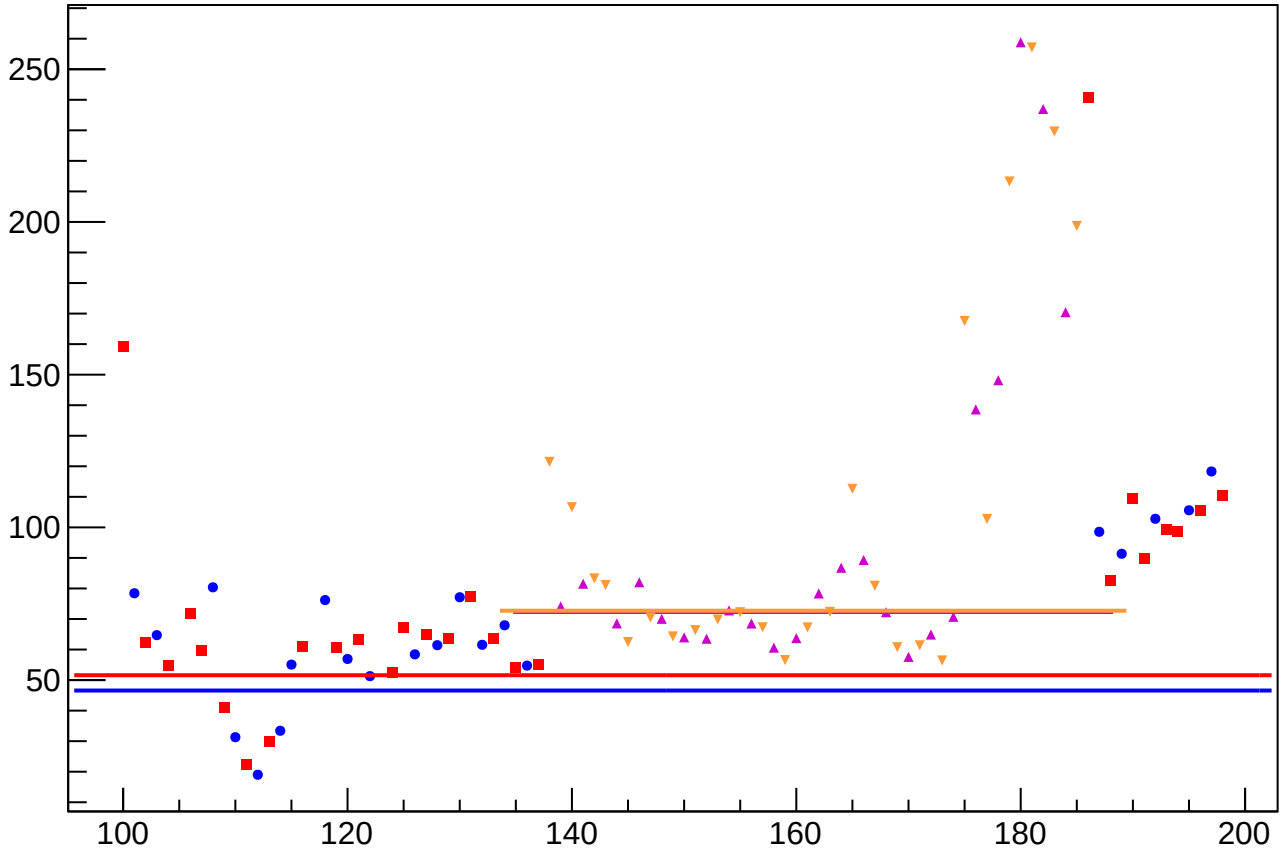
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.016+/-0.012 χ^2/NDF: 50.9/45

All: 0.007+/-0.009 χ^2/NDF: 108.5/95

- sign -0.001+/-0.012 χ^2/NDF: 56.7/49

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 46.580+/-0.012 χ^2/NDF: 5141395.6/20

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

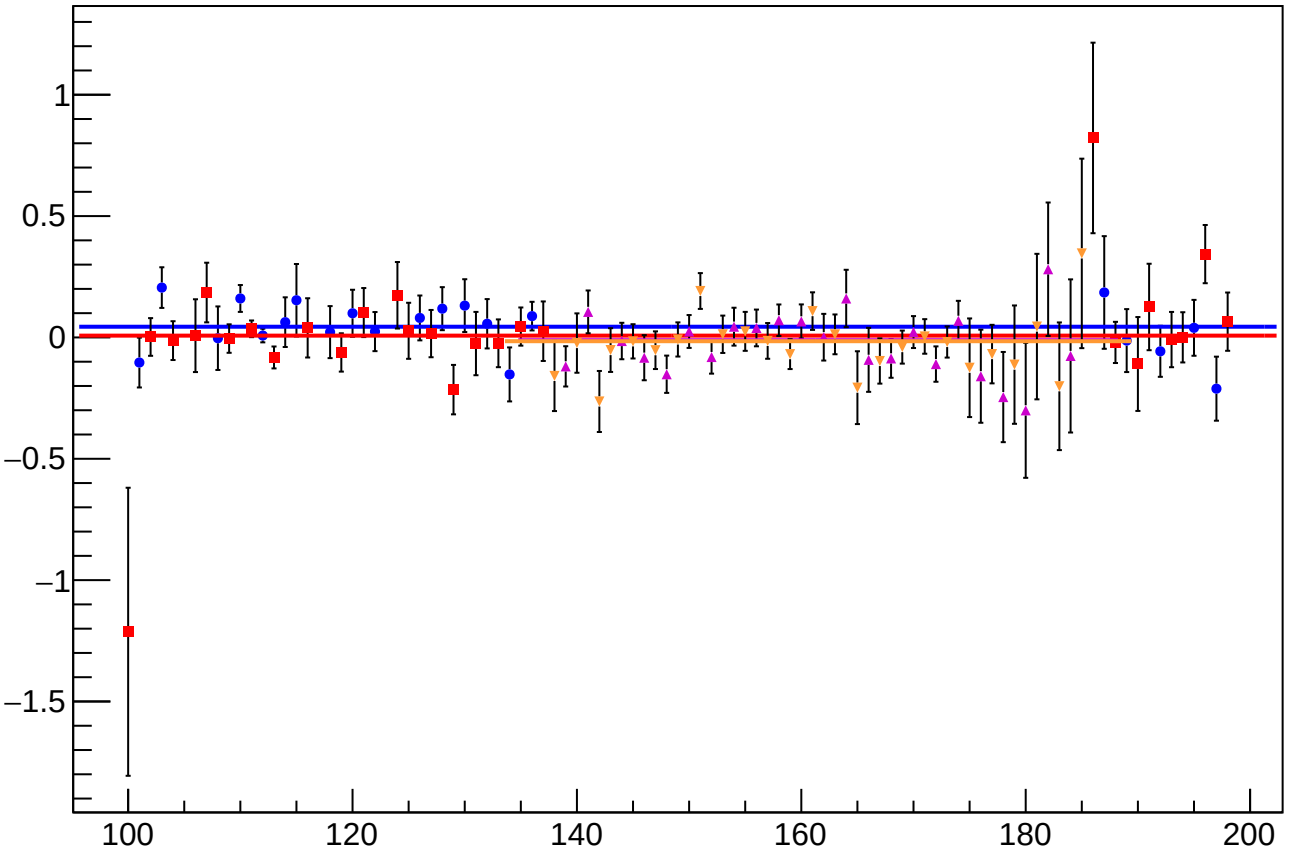
Right Out: 51.591+/-0.012 χ^2/NDF: 5079185.9/26

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 58.916+/-0.009 χ^2/NDF: 11338393.5/45

All: 59.947+/-0.006 χ^2/NDF: 20643411.1/95

- sign 60.970+/-0.009 χ^2/NDF: 9277186.9/49



Right In: 0.044+/-0.017 χ^2/NDF: 23.4/20

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.007+/-0.017 χ^2/NDF: 32.8/26

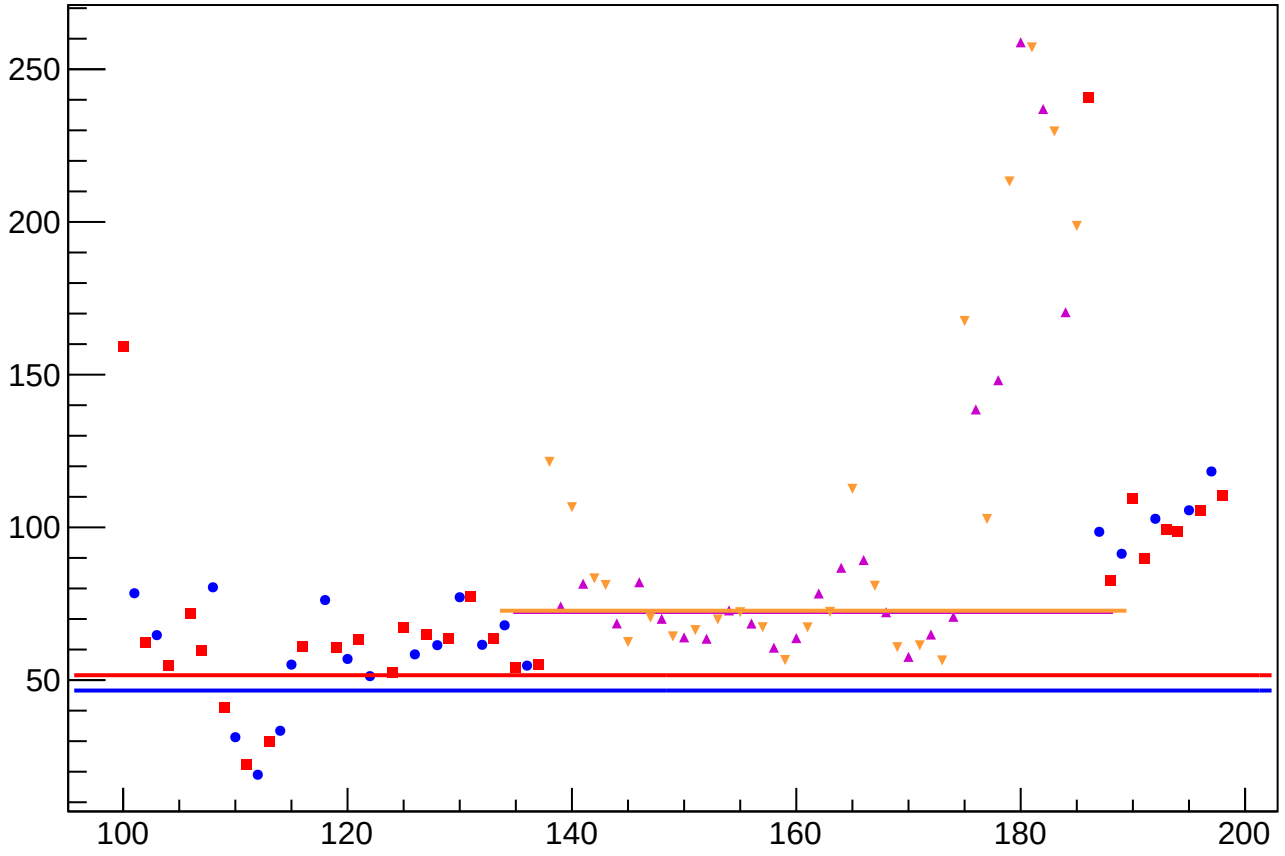
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.016+/-0.012 χ^2/NDF: 50.9/45

All: 0.007+/-0.009 χ^2/NDF: 108.5/95

- sign -0.001+/-0.012 χ^2/NDF: 56.7/49

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.580+/-0.012 χ^2/NDF: 5141395.6/20

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

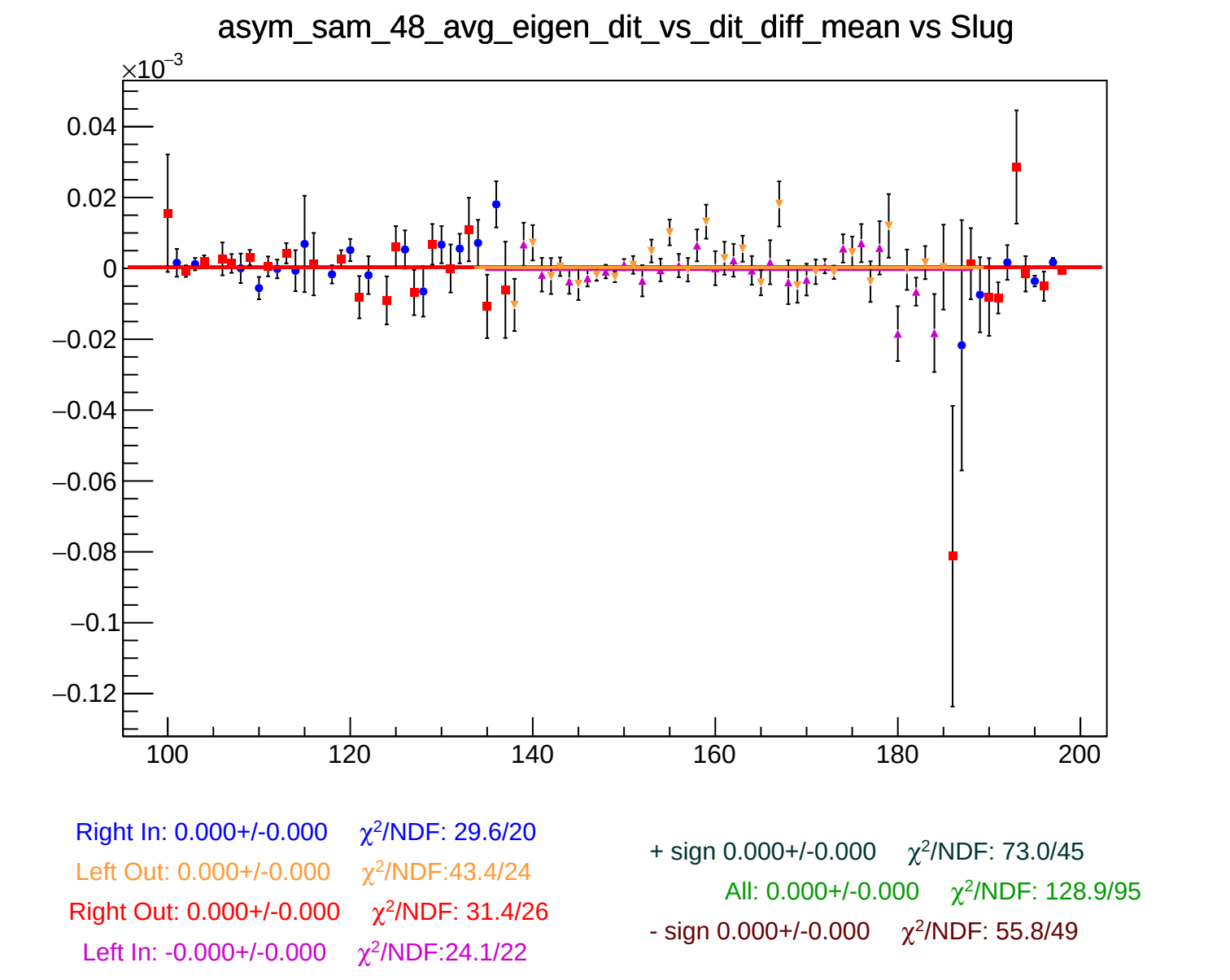
Right Out: 51.591+/-0.012 χ^2/NDF: 5079185.9/26

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

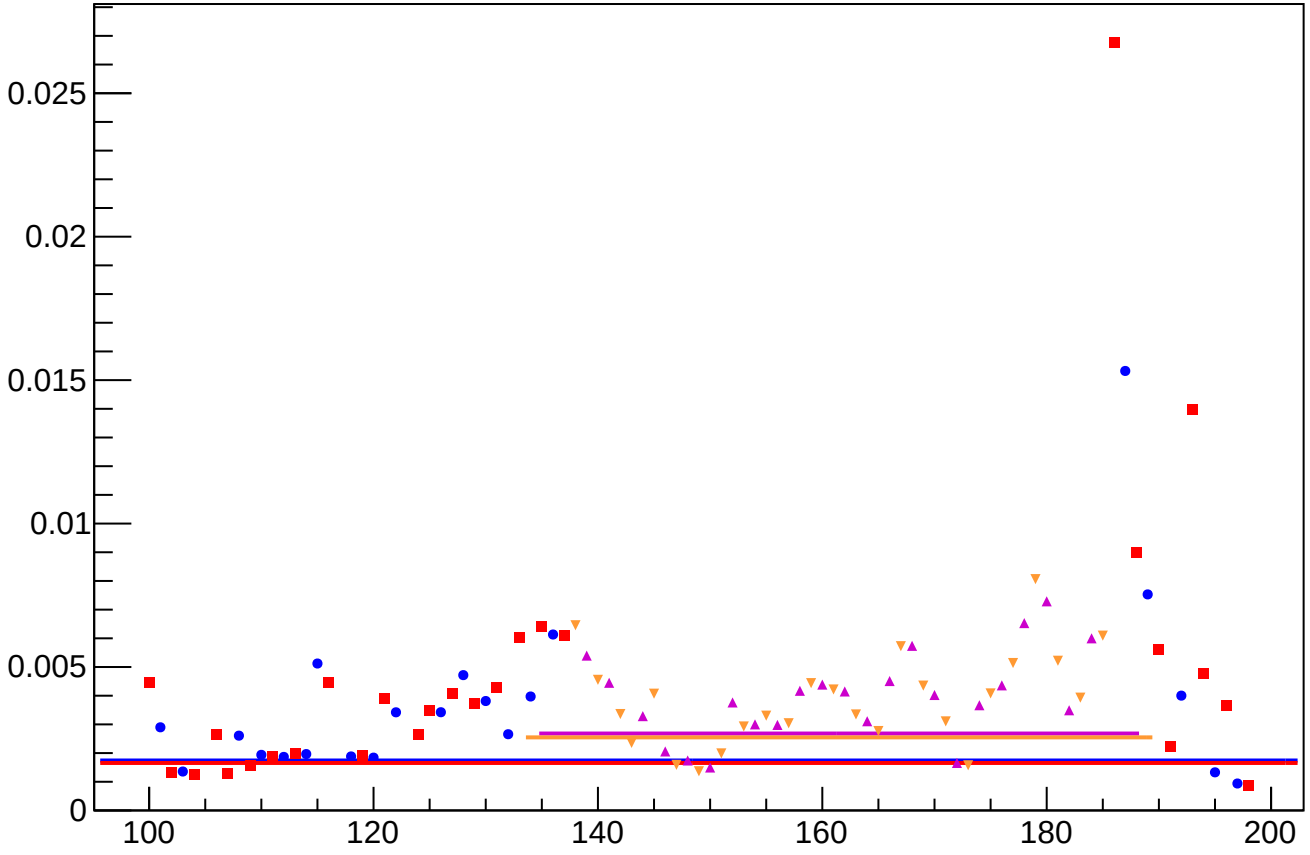
+ sign 58.916+/-0.009 χ^2/NDF: 11338393.5/45

All: 59.947+/-0.006 χ^2/NDF: 20643411.1/95

- sign 60.970+/-0.009 χ^2/NDF: 9277186.9/49


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 29.6/20
Left Out: 0.000+/-0.000 χ²/NDF:43.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.4/26
Left In: -0.000+/-0.000 χ²/NDF:24.1/22
+ sign 0.000+/-0.000 χ²/NDF: 73.0/45
All: 0.000+/-0.000 χ²/NDF: 128.9/95
- sign 0.000+/-0.000 χ²/NDF: 55.8/49

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5109065.8/20

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

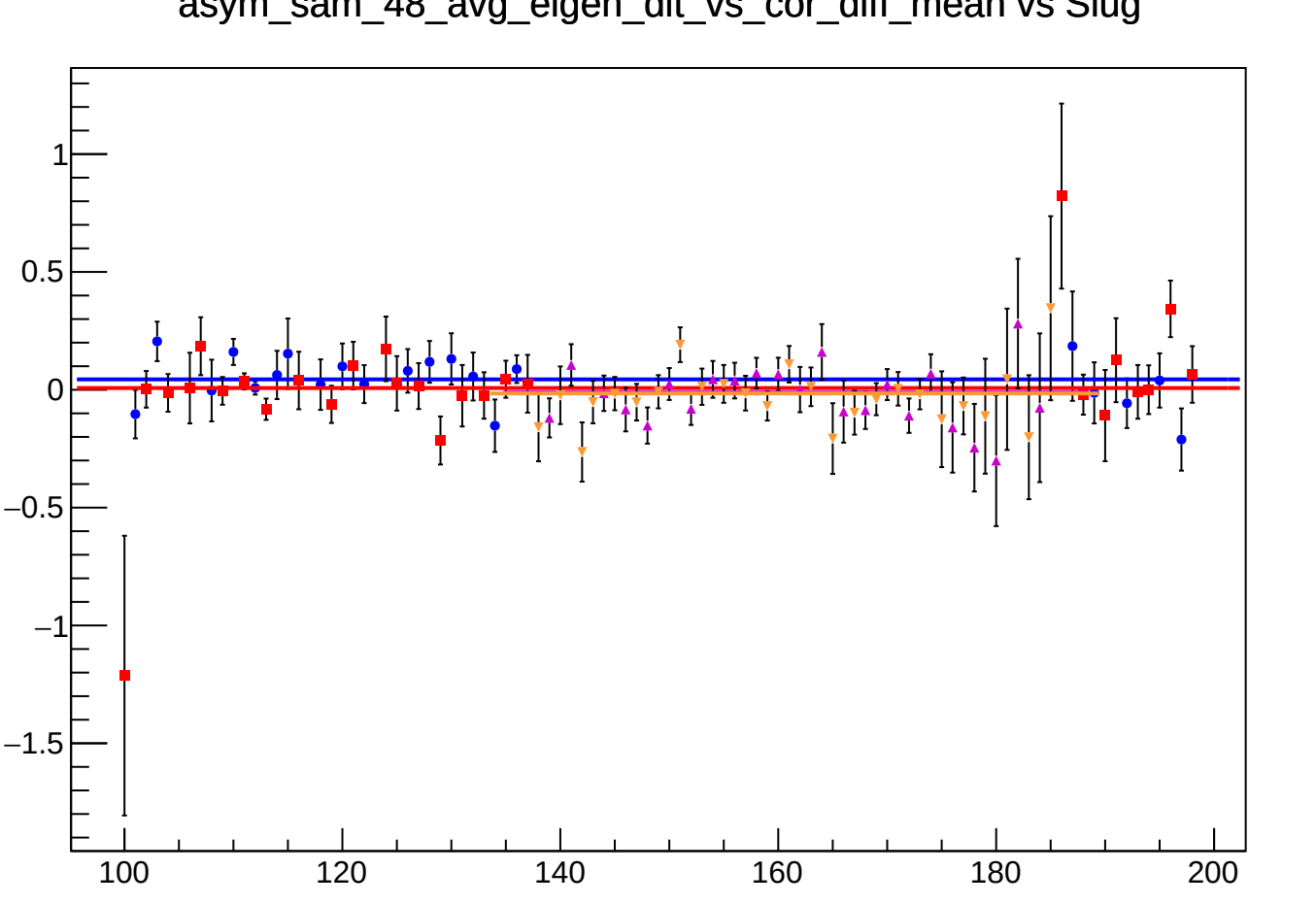
Right Out: 0.002+/-0.000 χ^2/NDF: 8955194.8/26

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 14134739.7/45

All: 0.002+/-0.000 χ^2/NDF: 32091345.7/95

- sign 0.002+/-0.000 χ^2/NDF: 17936978.6/49



Right In: 0.044+/-0.017 χ^2/NDF: 23.4/20

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

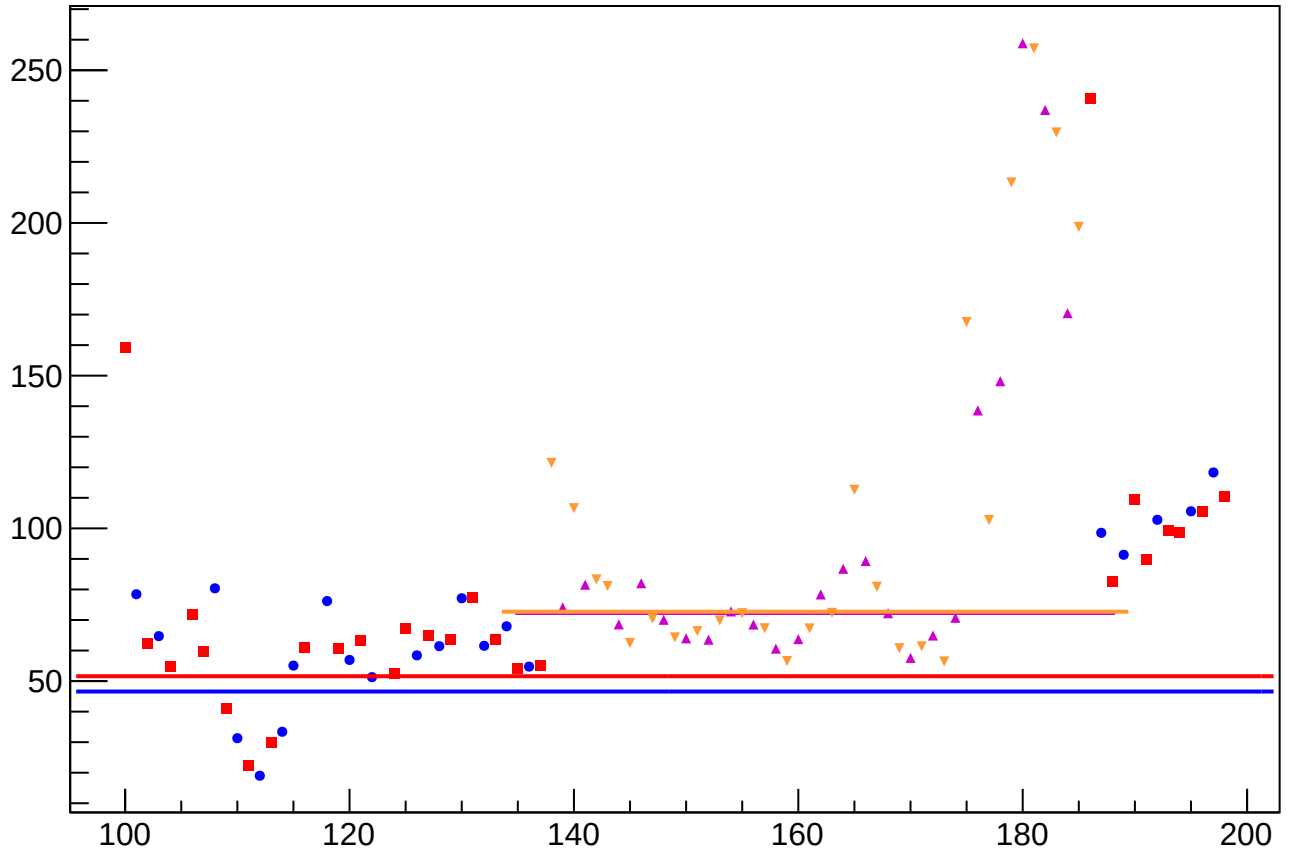
Right Out: 0.007+/-0.017 χ^2/NDF: 32.8/26

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.016+/-0.012 χ^2/NDF: 50.9/45

All: 0.007+/-0.009 χ^2/NDF: 108.5/95

- sign -0.001+/-0.012 χ^2/NDF: 56.7/49



Right In: 46.579+/-0.012 χ^2/NDF: 5141596.9/20

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

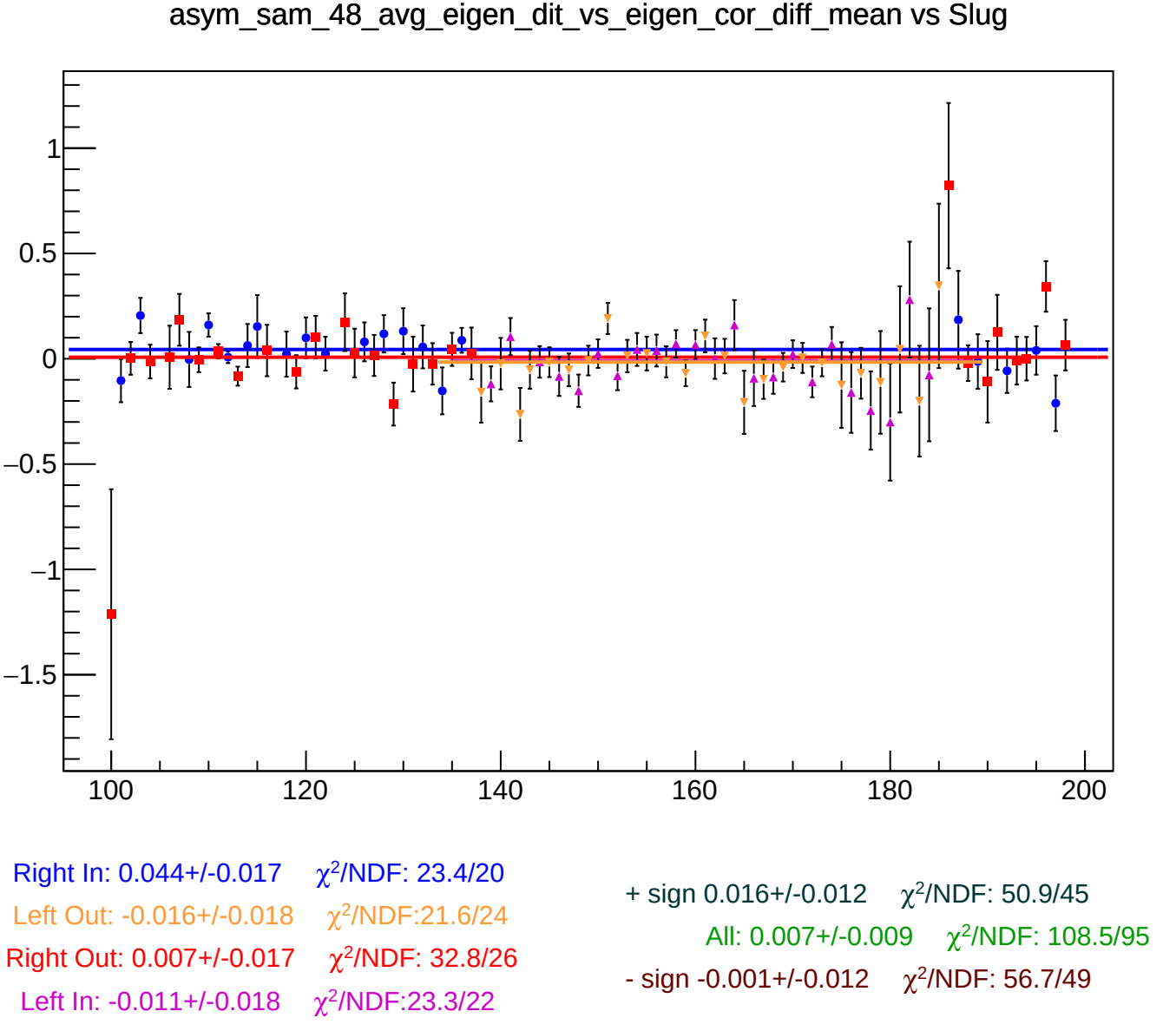
Right Out: 51.590+/-0.012 χ^2/NDF: 5079432.6/26

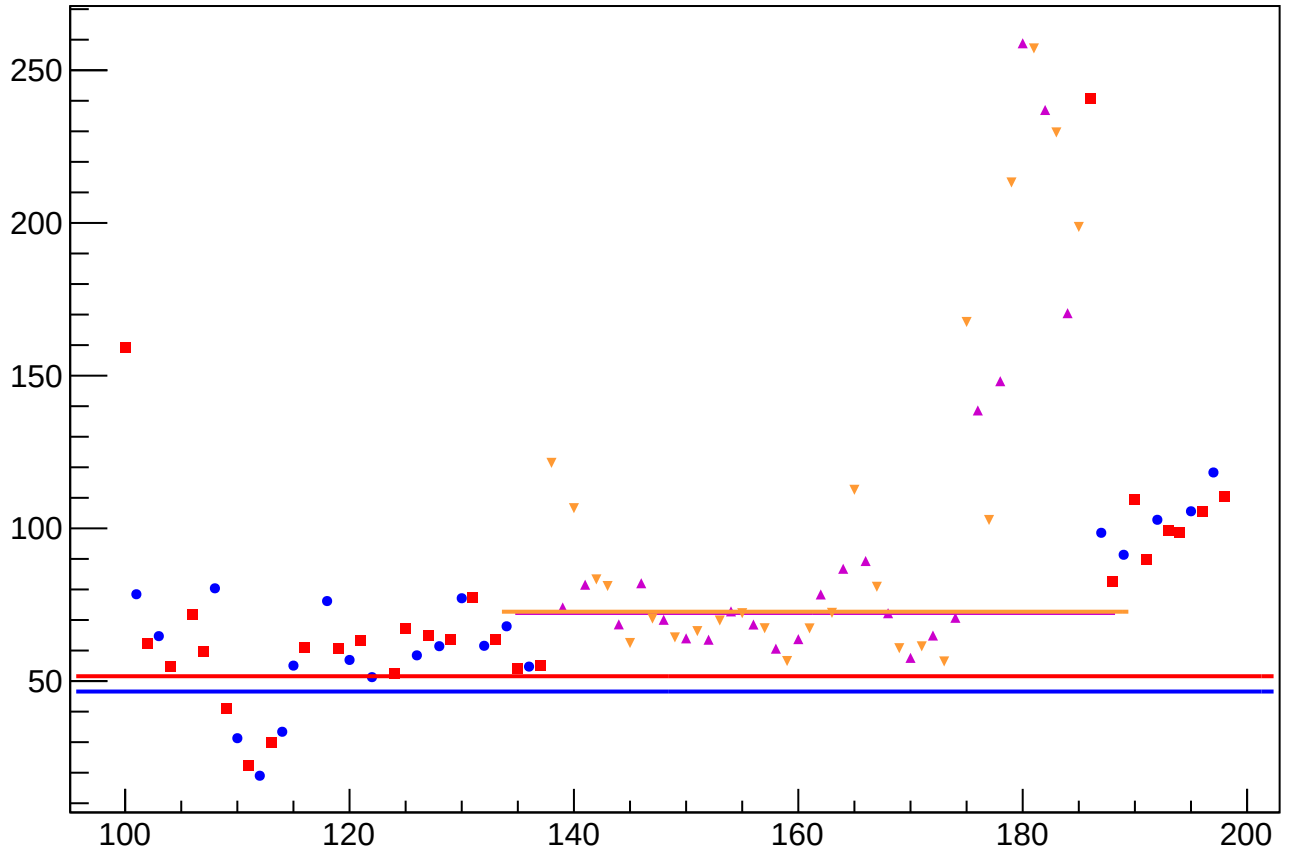
Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 58.915+/-0.009 χ^2/NDF: 11338823.4/45

All: 59.947+/-0.006 χ^2/NDF: 20644235.0/95

- sign 60.969+/-0.009 χ^2/NDF: 9277578.6/49


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: 0.044+/-0.017 χ²/NDF: 23.4/20
Left Out: -0.016+/-0.018 χ²/NDF:21.6/24
Right Out: 0.007+/-0.017 χ²/NDF: 32.8/26
Left In: -0.011+/-0.018 χ²/NDF:23.3/22
+ sign 0.016+/-0.012 χ²/NDF: 50.9/45
All: 0.007+/-0.009 χ²/NDF: 108.5/95
- sign -0.001+/-0.012 χ²/NDF: 56.7/49



Right In: 46.579+/-0.012 χ^2/NDF: 5141596.9/20

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

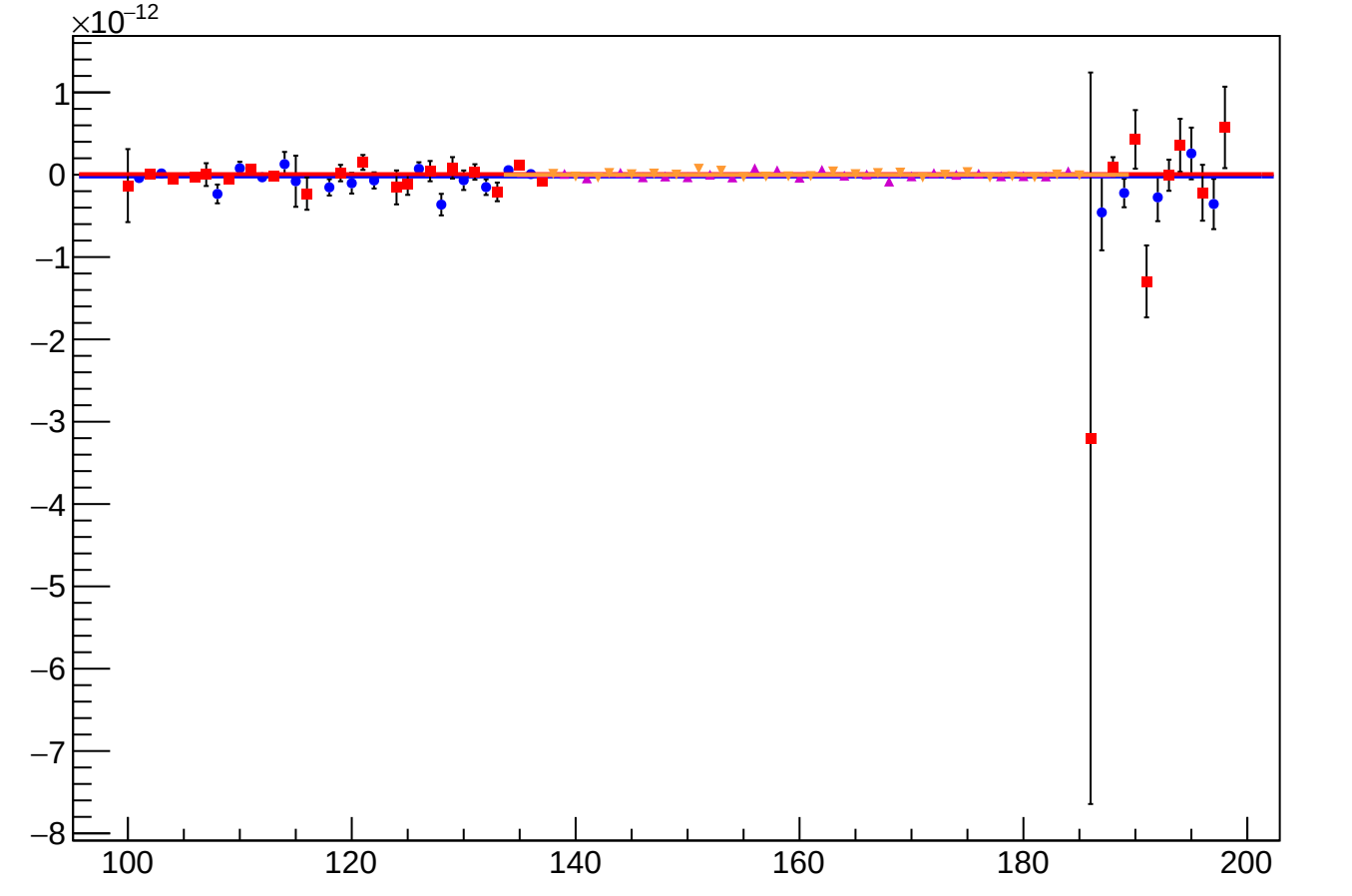
Right Out: 51.590+/-0.012 χ^2/NDF: 5079432.6/26

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 58.915+/-0.009 χ^2/NDF: 11338823.4/45

All: 59.947+/-0.006 χ^2/NDF: 20644235.0/95

- sign 60.969+/-0.009 χ^2/NDF: 9277578.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

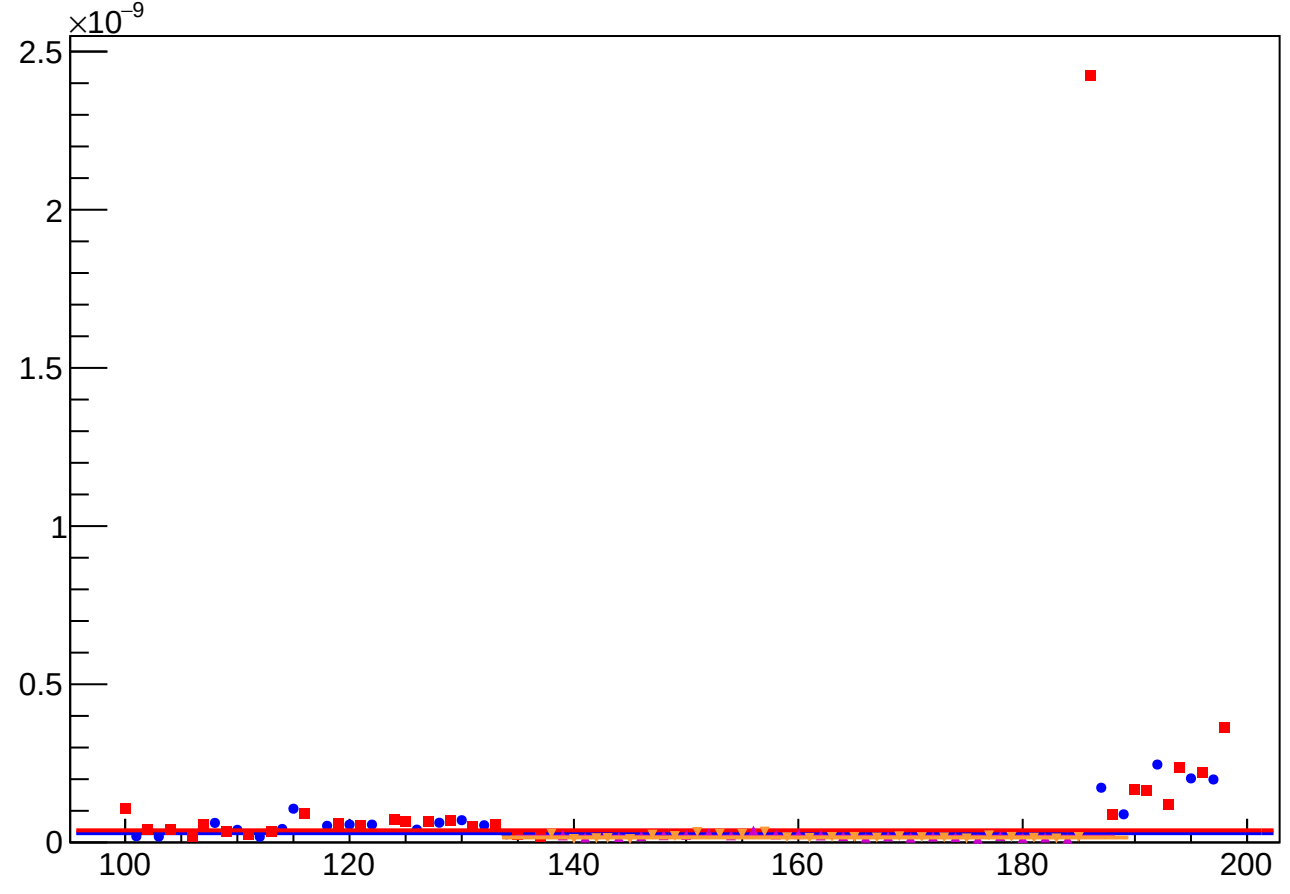
Right Out: 0.000+/-0.000 χ^2/NDF: 37.6/26

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/45

All: -0.000+/-0.000 χ^2/NDF: 134.3/95

- sign -0.000+/-0.000 χ^2/NDF: 76.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 4613162.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5710979.9/26

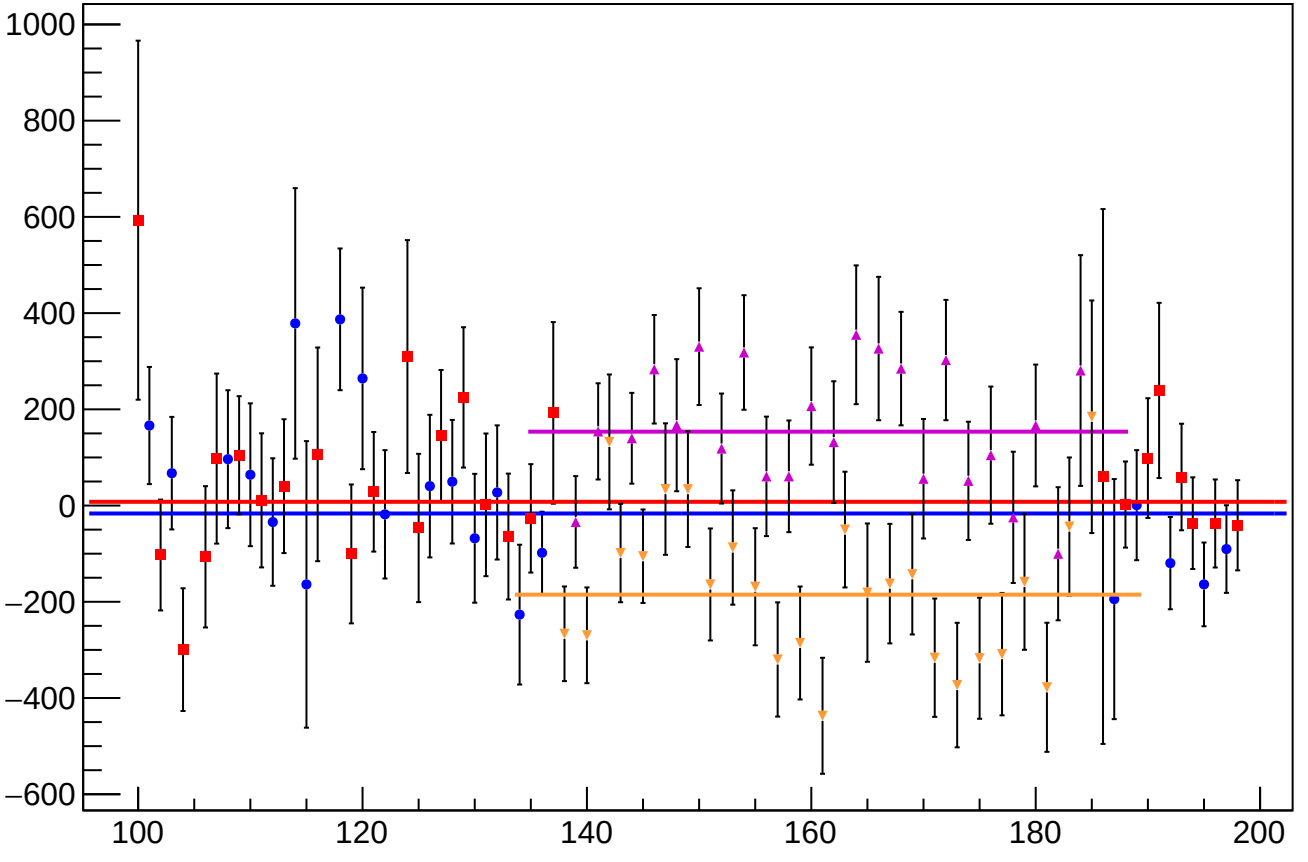
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8560692.1/45

All: 0.000+/-0.000 χ^2/NDF: 19029796.5/95

- sign 0.000+/-0.000 χ^2/NDF: 10079977.8/49

reg_asym_sam_15_dd_mean vs Slug



Right In: -16.463+/-27.761 χ^2/NDF: 24.5/20

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 7.825+/-25.454 χ^2/NDF: 20.9/26

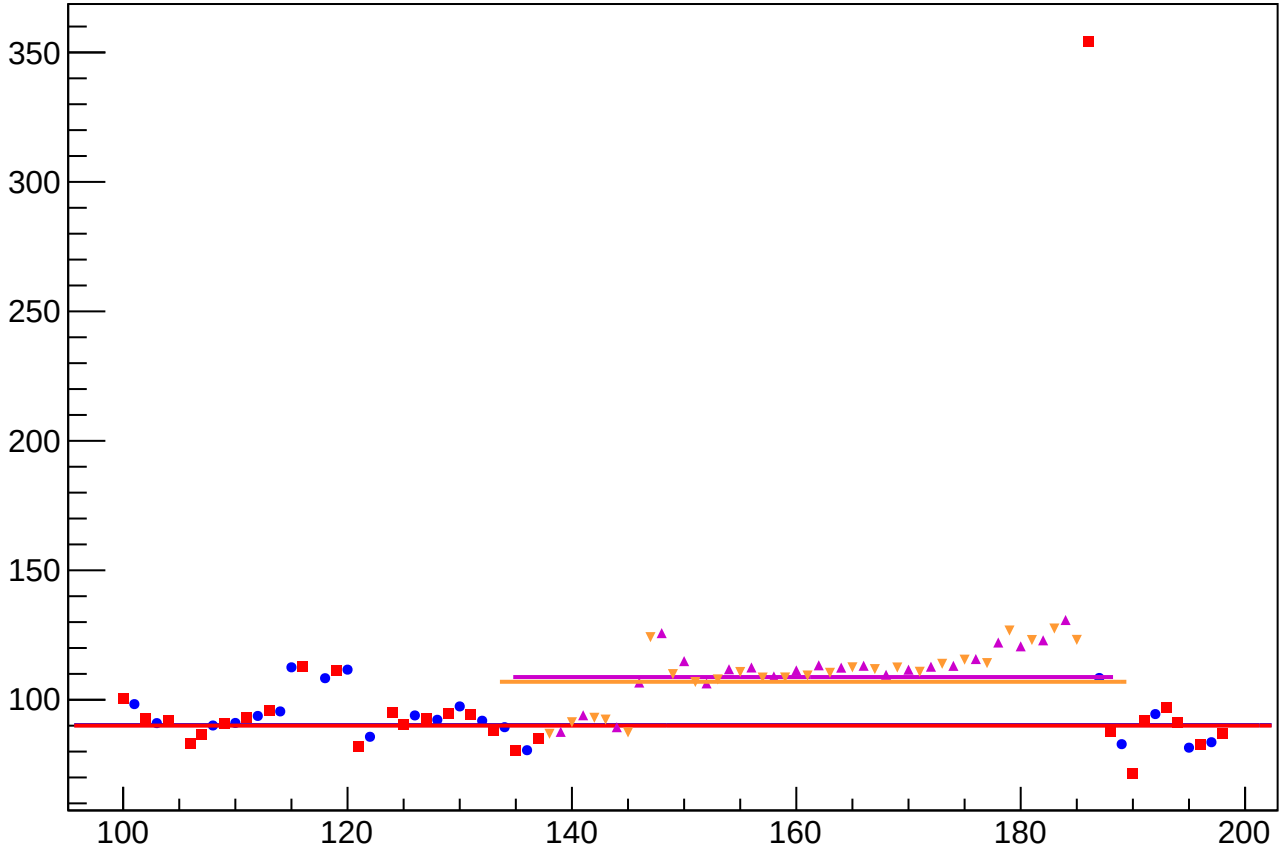
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -111.450+/-18.349 χ^2/NDF: 78.4/45

All: -13.789+/-12.860 χ^2/NDF: 194.8/95

- sign 80.486+/-18.028 χ^2/NDF: 60.7/49

reg_asym_sam_15_dd_rms vs Slug



Right In: 90.223+/-0.020 χ^2/NDF: 167835.5/20

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 90.033+/-0.018 χ^2/NDF: 629092.9/26

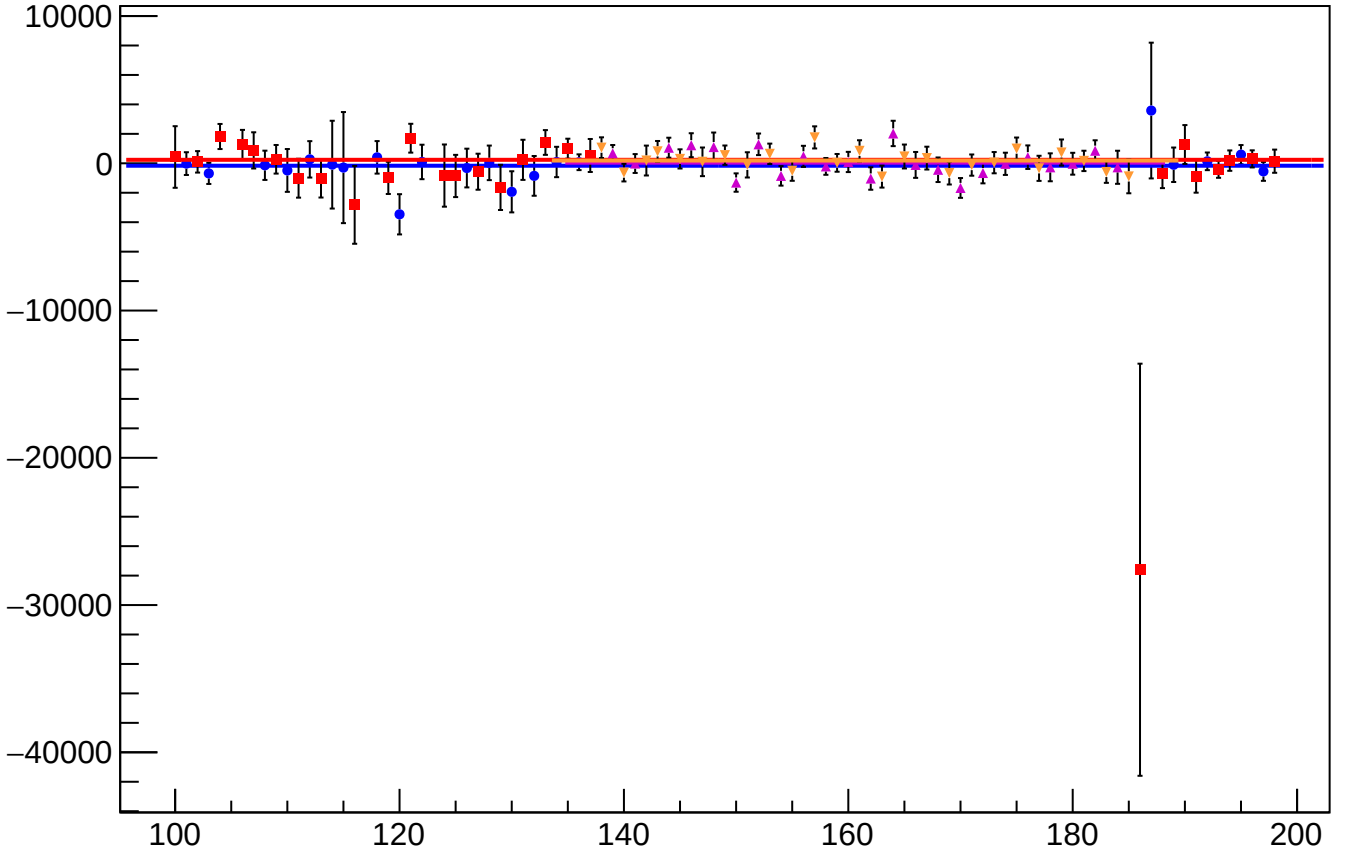
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 99.644+/-0.013 χ^2/NDF: 1041201.8/45

All: 99.508+/-0.009 χ^2/NDF: 2569636.0/95

- sign 99.376+/-0.013 χ^2/NDF: 1528216.6/49

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -164.803+/-207.740 χ^2/NDF: 11.7/20

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 237.017+/-187.865 χ^2/NDF: 25.5/26

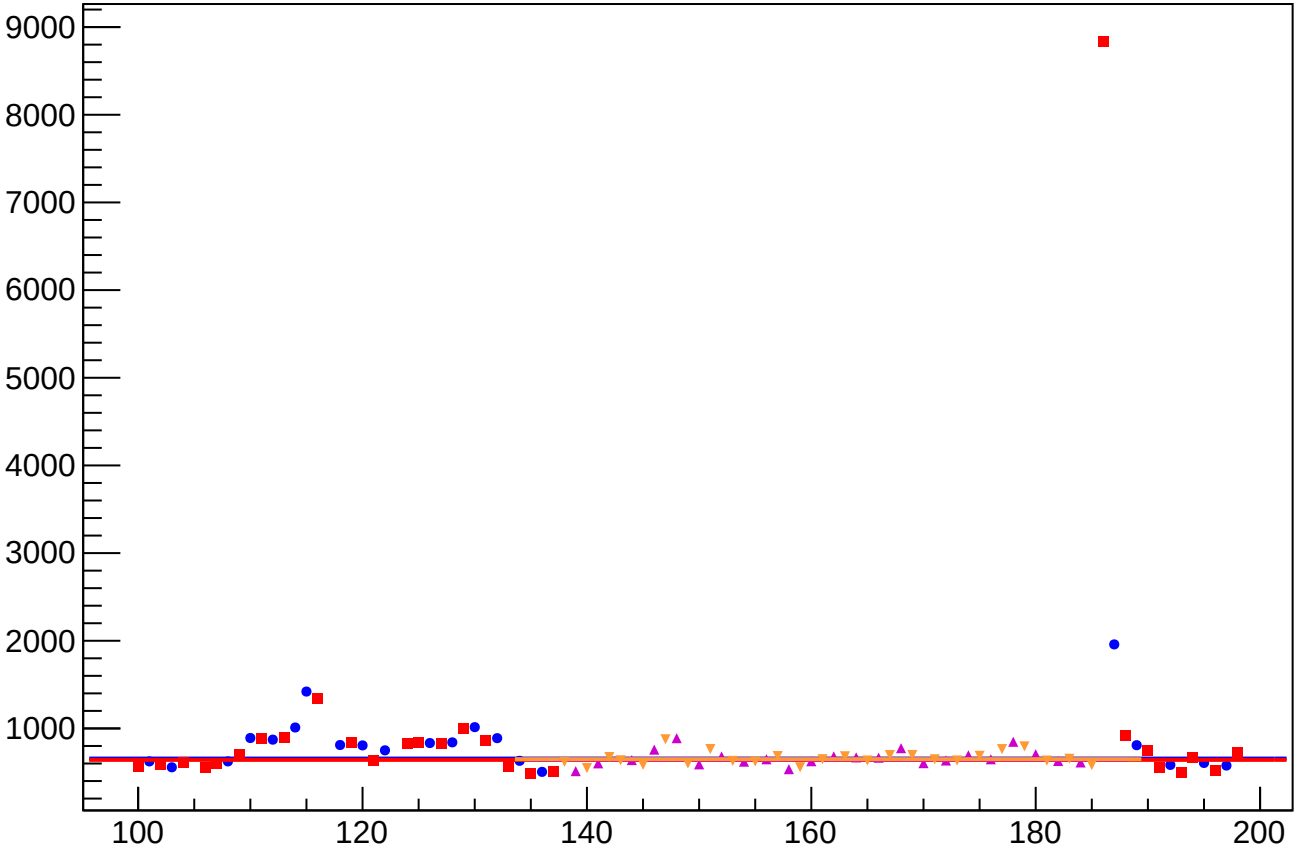
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 67.328+/-120.980 χ^2/NDF: 32.6/45

All: 94.250+/-84.543 χ^2/NDF: 92.6/95

- sign 119.946+/-118.194 χ^2/NDF: 59.9/49

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 656.166+/-0.147 χ^2/NDF: 1048602.4/20

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 641.516+/-0.133 χ^2/NDF: 1908139.5/26

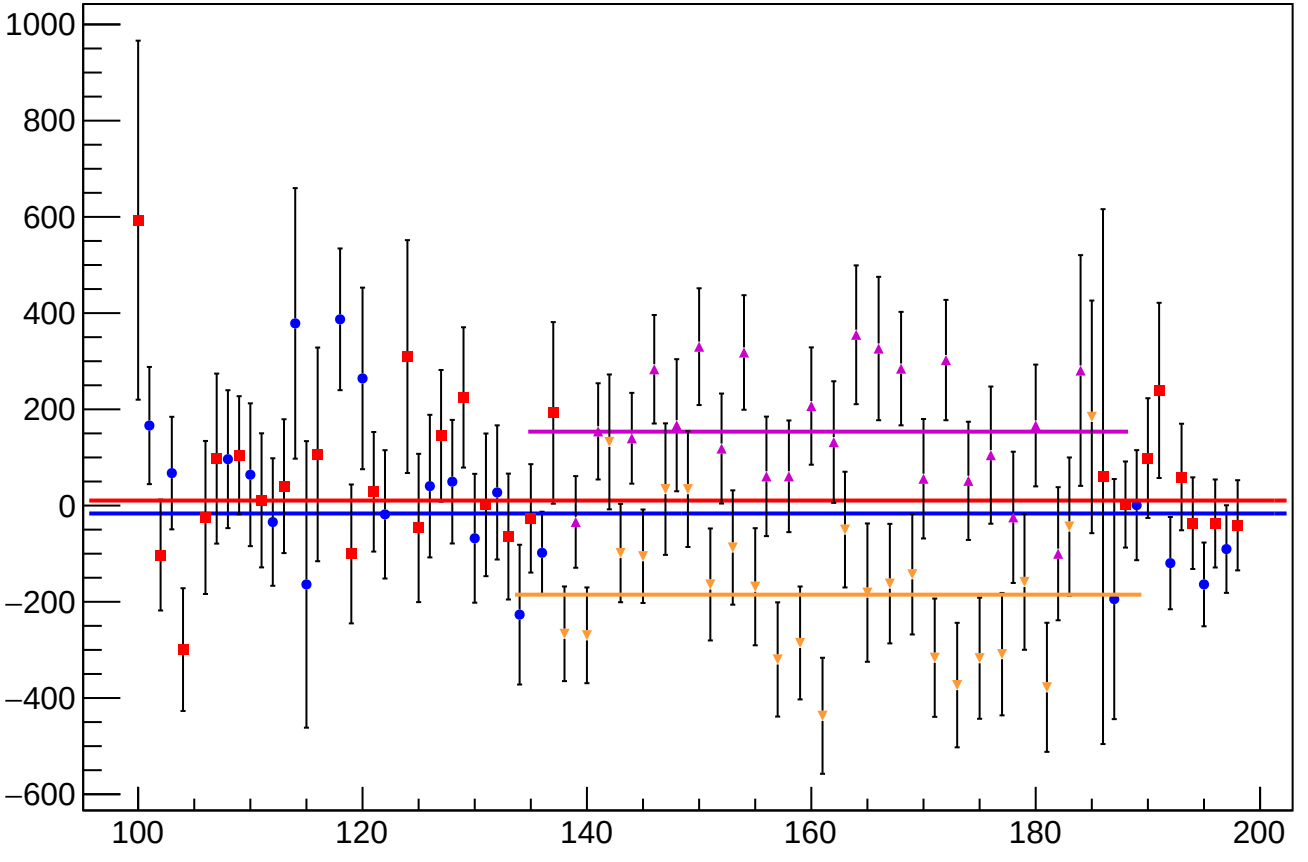
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 651.555+/-0.086 χ^2/NDF: 1468457.9/45

All: 647.209+/-0.060 χ^2/NDF: 3940986.0/95

- sign 643.060+/-0.084 χ^2/NDF: 2467483.1/49

cor_asym_sam_15_dd_mean vs Slug



Right In: -16.454+/-27.761 χ^2/NDF: 24.5/20

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 10.436+/-25.511 χ^2/NDF: 20.3/26

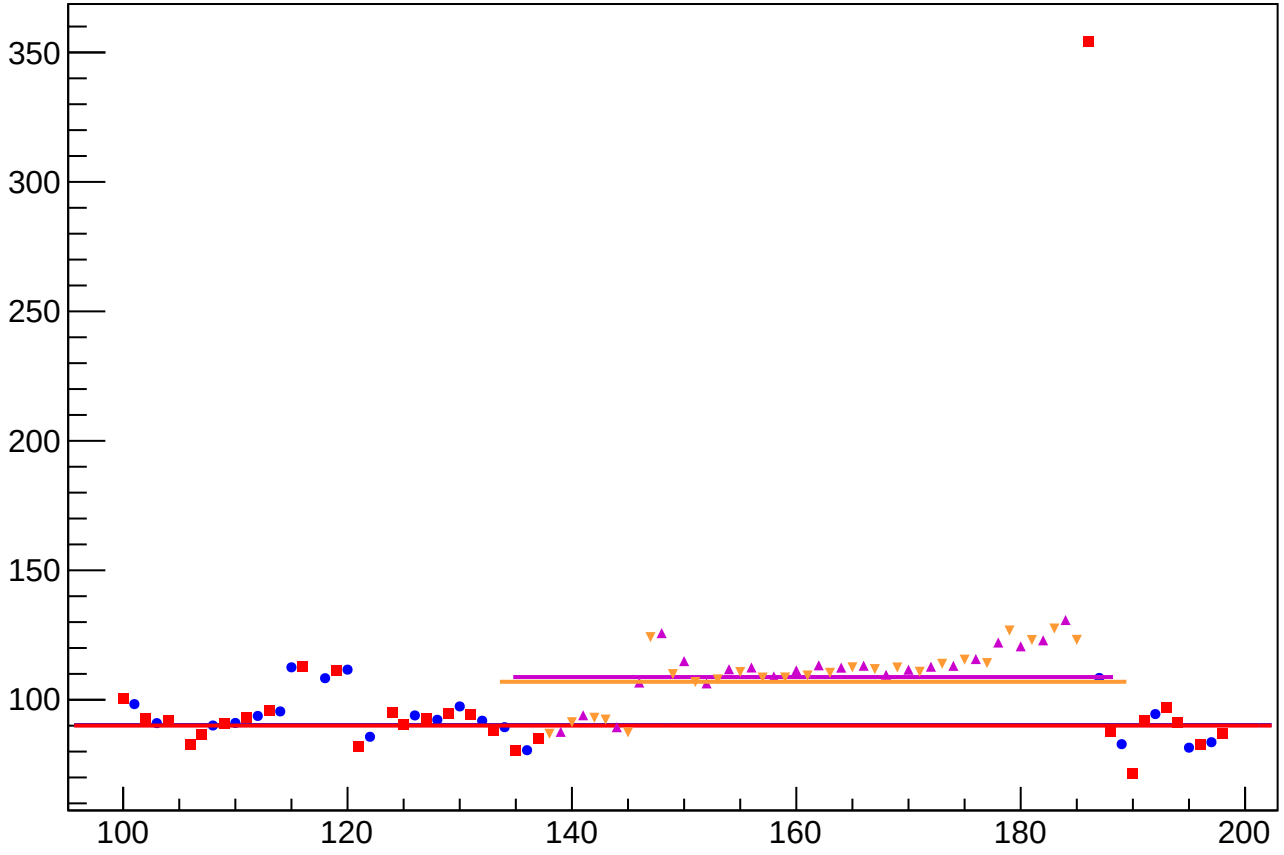
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -111.448+/-18.349 χ^2/NDF: 78.4/45

All: -13.147+/-12.867 χ^2/NDF: 194.4/95

- sign 81.958+/-18.048 χ^2/NDF: 59.6/49

cor_asym_sam_15_dd_rms vs Slug



Right In: 90.223+/-0.020 χ^2/NDF: 167835.5/20

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 90.049+/-0.018 χ^2/NDF: 629066.3/26

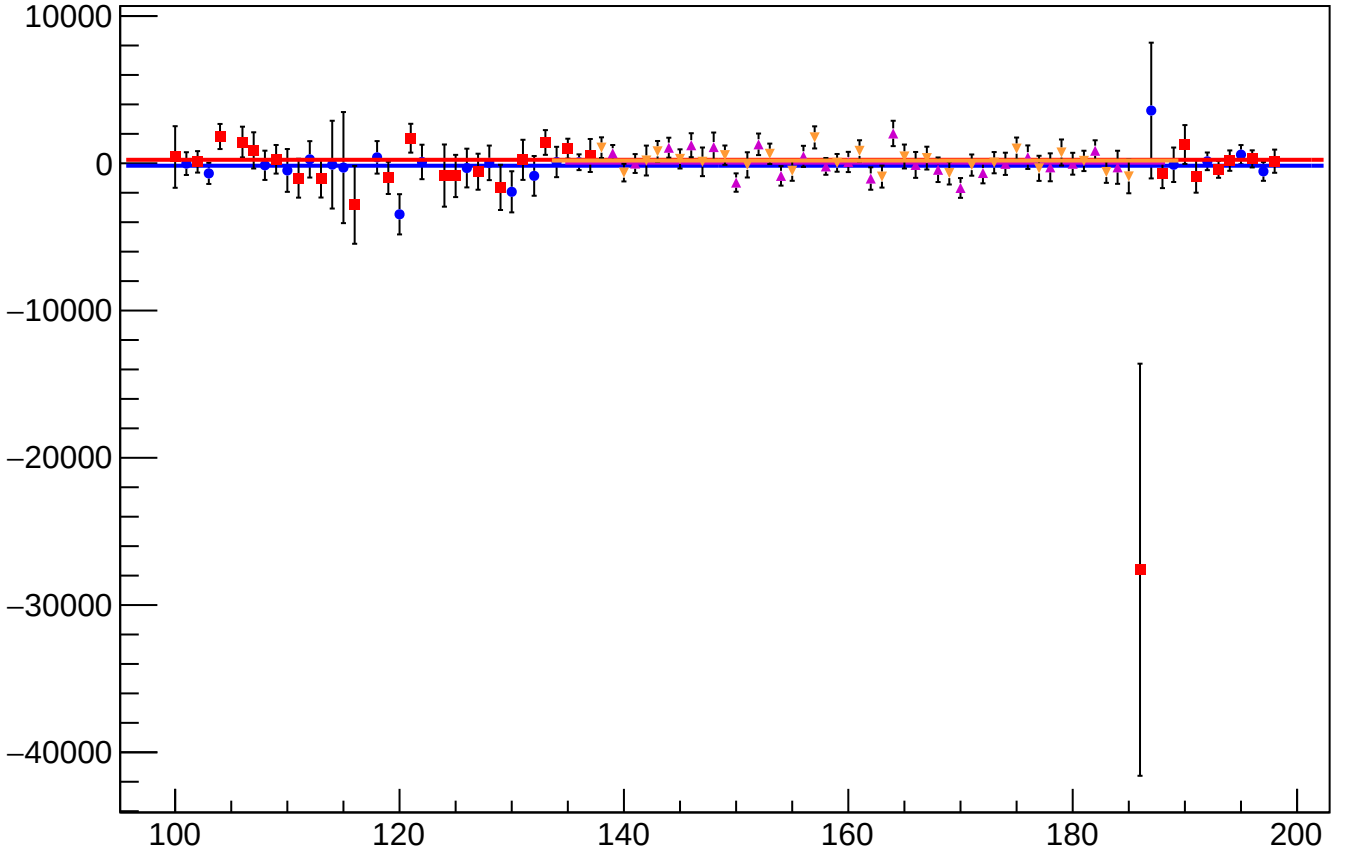
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 99.644+/-0.013 χ^2/NDF: 1041201.7/45

All: 99.523+/-0.009 χ^2/NDF: 2567414.0/95

- sign 99.405+/-0.013 χ^2/NDF: 1526039.5/49

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -164.799+/-207.740 χ^2/NDF: 11.7/20

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 238.326+/-188.221 χ^2/NDF: 25.7/26

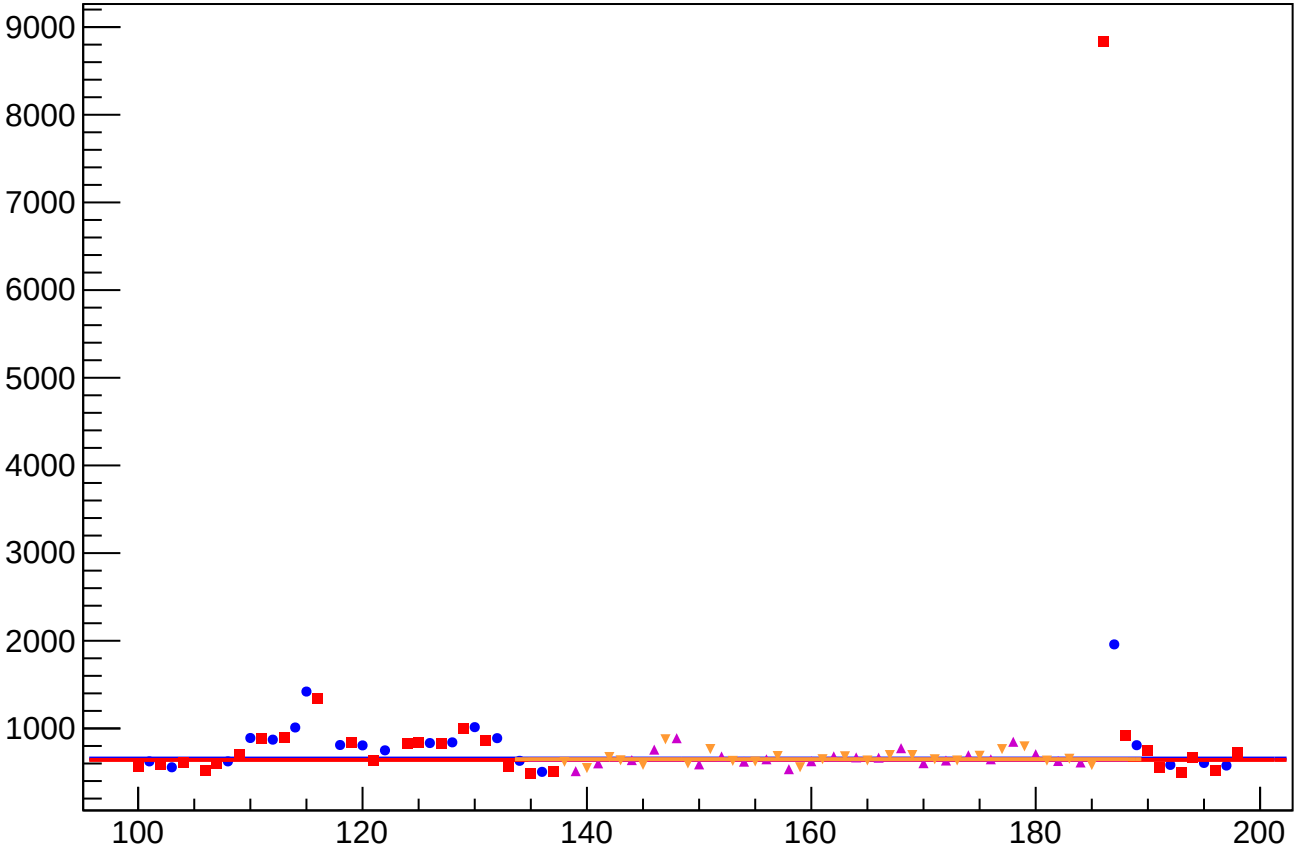
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 67.325+/-120.980 χ^2/NDF: 32.6/45

All: 94.404+/-84.576 χ^2/NDF: 92.8/95

- sign 120.290+/-118.282 χ^2/NDF: 60.1/49

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 656.166+/-0.147 χ^2/NDF: 1048602.8/20

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 640.954+/-0.133 χ^2/NDF: 1917112.1/26

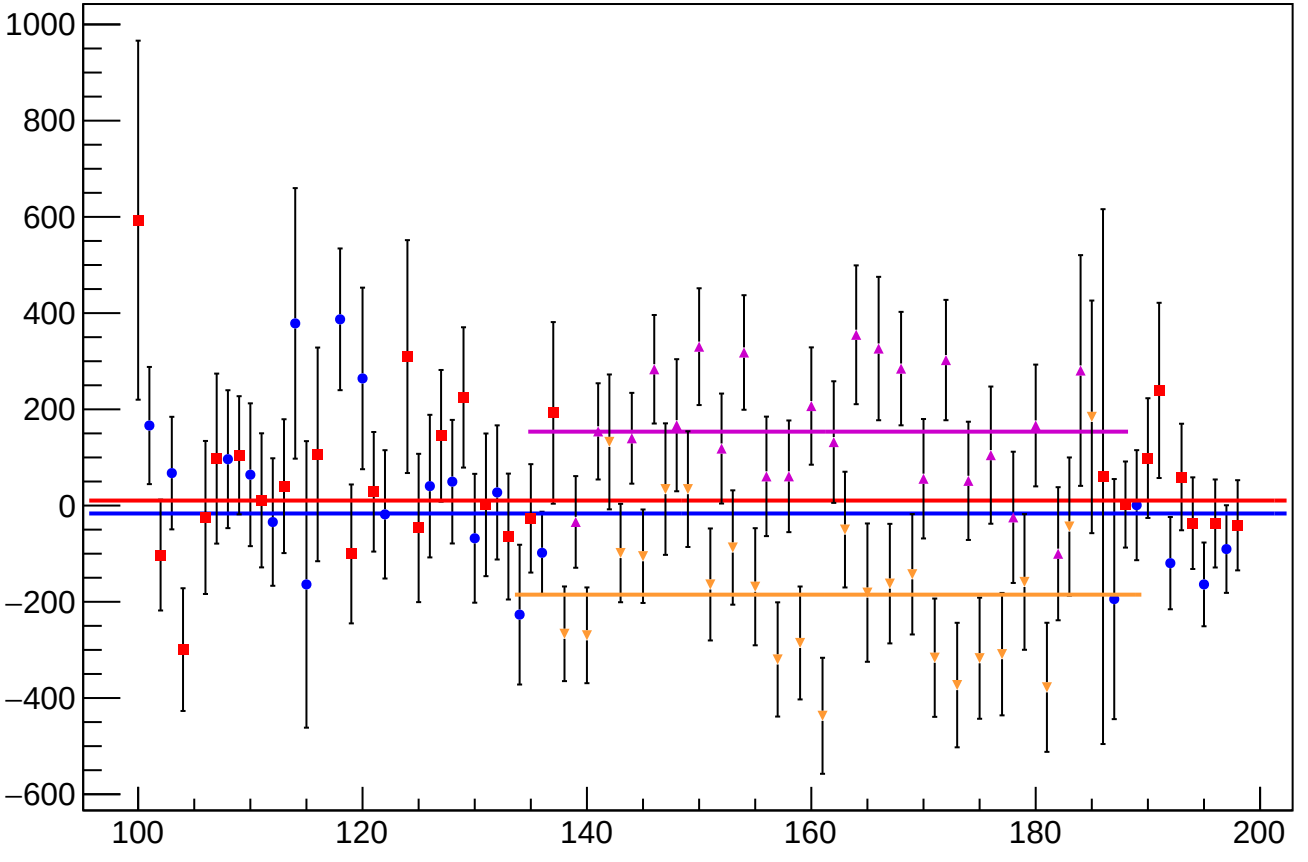
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 651.555+/-0.086 χ^2/NDF: 1468458.8/45

All: 647.100+/-0.060 χ^2/NDF: 3950329.8/95

- sign 642.841+/-0.084 χ^2/NDF: 2476565.3/49

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -16.454+/-27.761 χ^2/NDF: 24.5/20

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 10.436+/-25.511 χ^2/NDF: 20.3/26

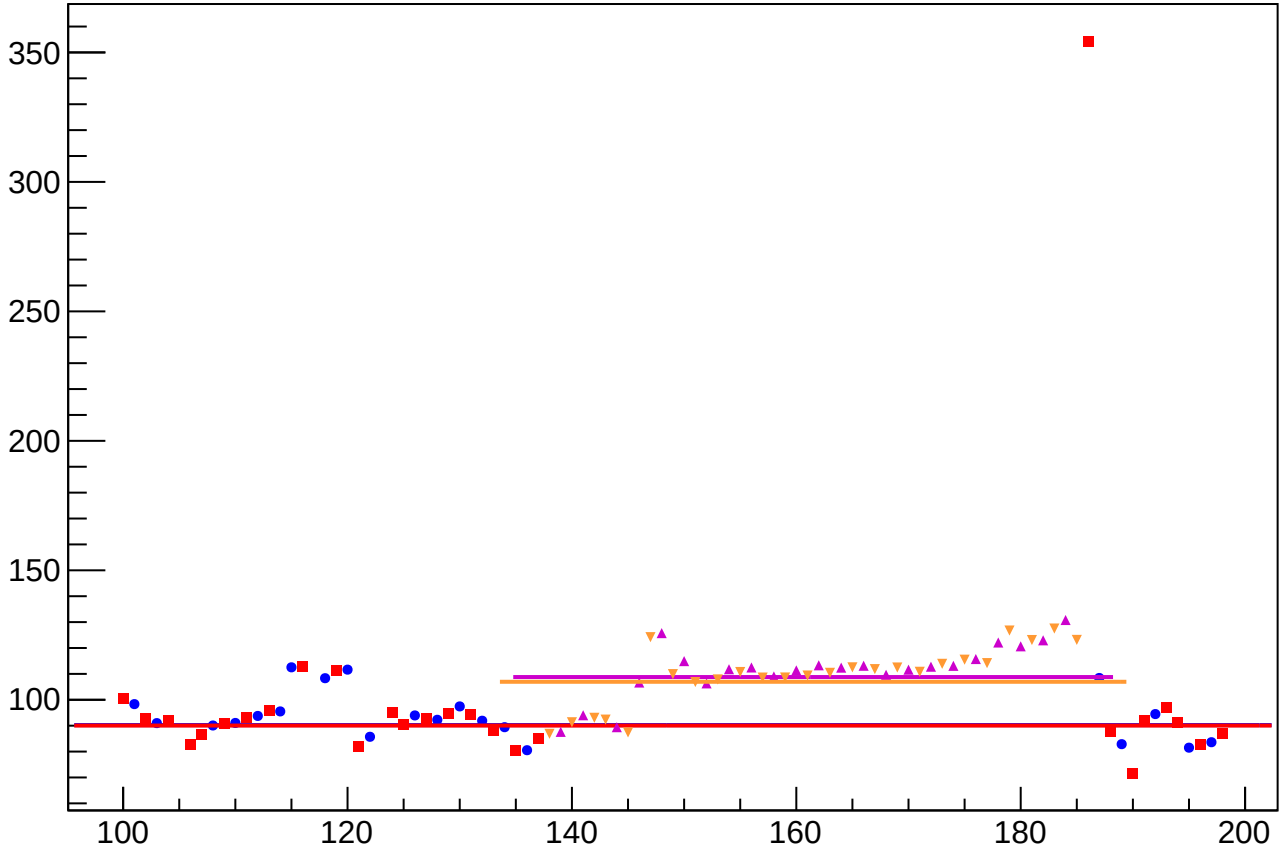
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -111.448+/-18.349 χ^2/NDF: 78.4/45

All: -13.147+/-12.867 χ^2/NDF: 194.4/95

- sign 81.958+/-18.048 χ^2/NDF: 59.6/49

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 90.223+/-0.020 χ^2/NDF: 167835.5/20

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

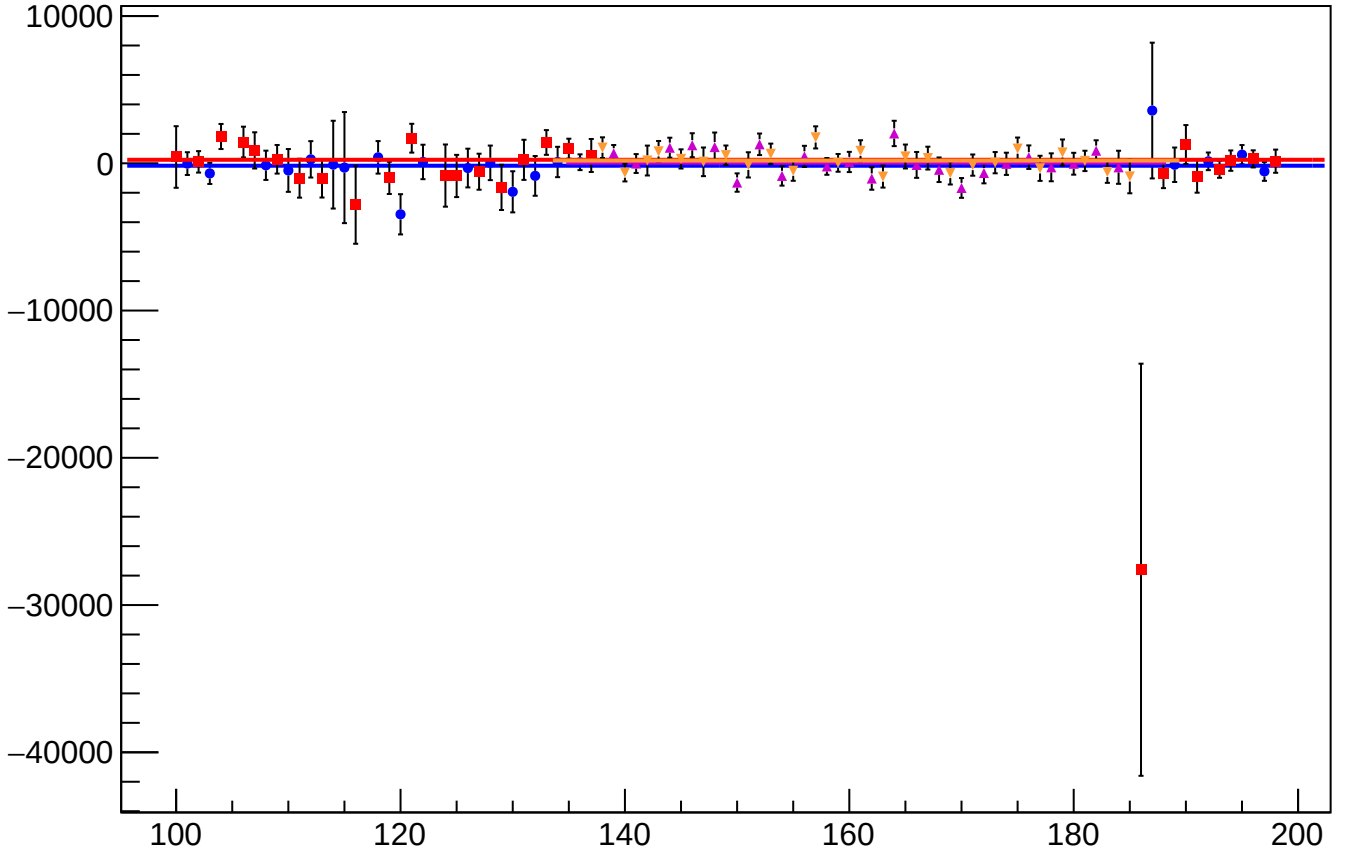
Right Out: 90.049+/-0.018 χ^2/NDF: 629066.3/26

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 99.644+/-0.013 χ^2/NDF: 1041201.7/45

All: 99.523+/-0.009 χ^2/NDF: 2567414.0/95

- sign 99.405+/-0.013 χ^2/NDF: 1526039.5/49



Right In: -164.799+/-207.740 χ^2/NDF: 11.7/20

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 238.326+/-188.221 χ^2/NDF: 25.7/26

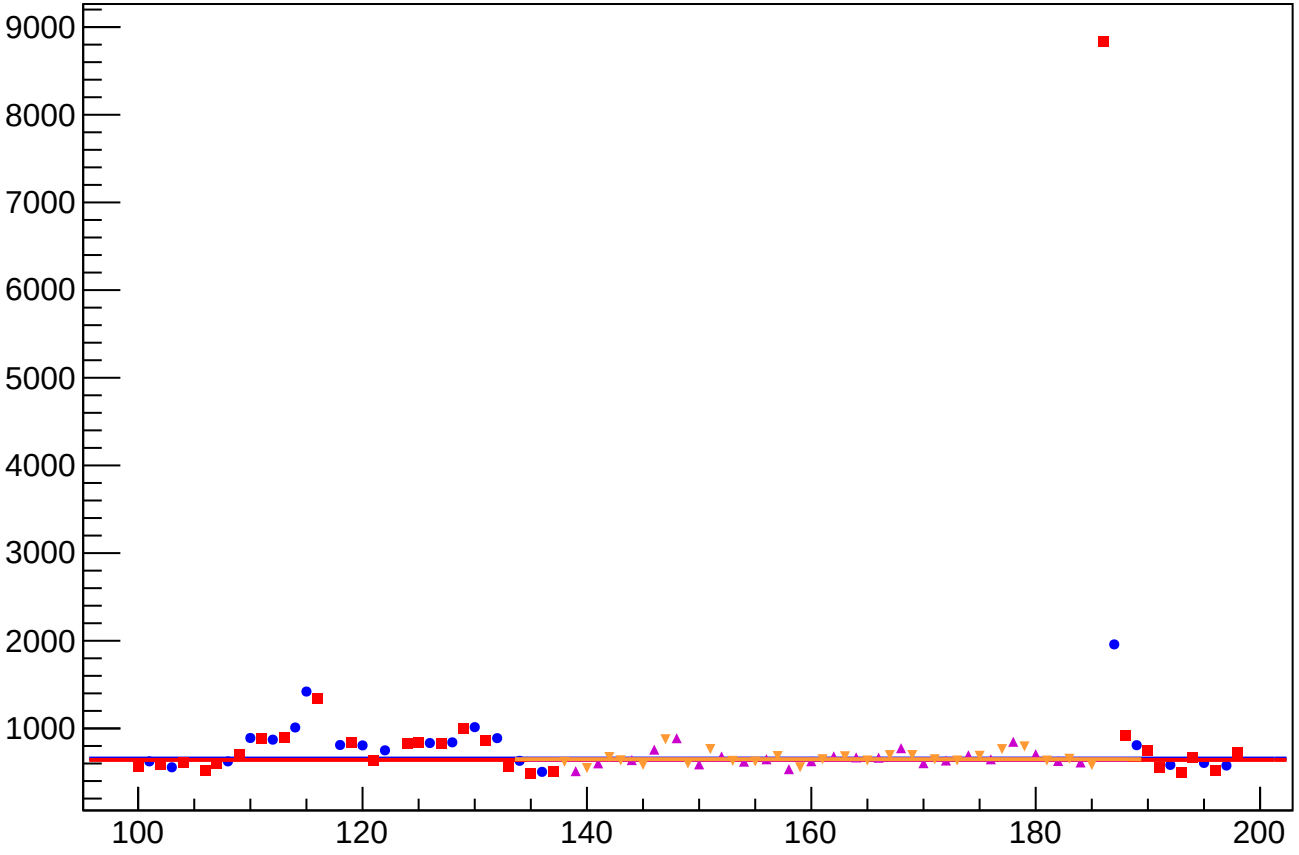
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 67.325+/-120.980 χ^2/NDF: 32.6/45

All: 94.404+/-84.576 χ^2/NDF: 92.8/95

- sign 120.290+/-118.282 χ^2/NDF: 60.1/49

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 656.166+/-0.147 χ^2/NDF: 1048602.8/20

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 640.954+/-0.133 χ^2/NDF: 1917112.1/26

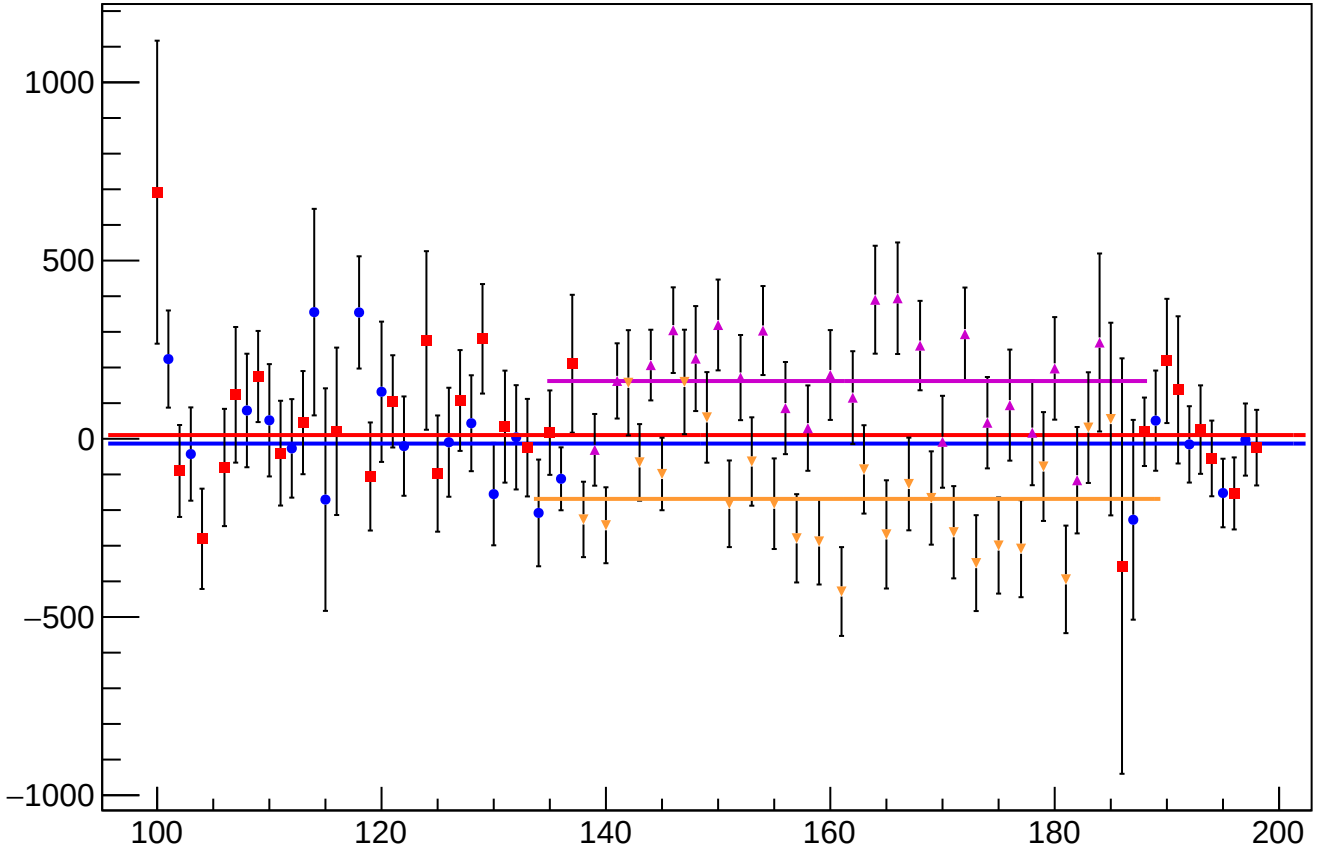
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 651.555+/-0.086 χ^2/NDF: 1468458.8/45

All: 647.100+/-0.060 χ^2/NDF: 3950329.8/95

- sign 642.841+/-0.084 χ^2/NDF: 2476565.3/49

dit_asym_sam_15_dd_mean vs Slug



Right In: -13.437+/-30.063 χ^2/NDF: 18.5/20

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 10.464+/-27.700 χ^2/NDF: 22.7/26

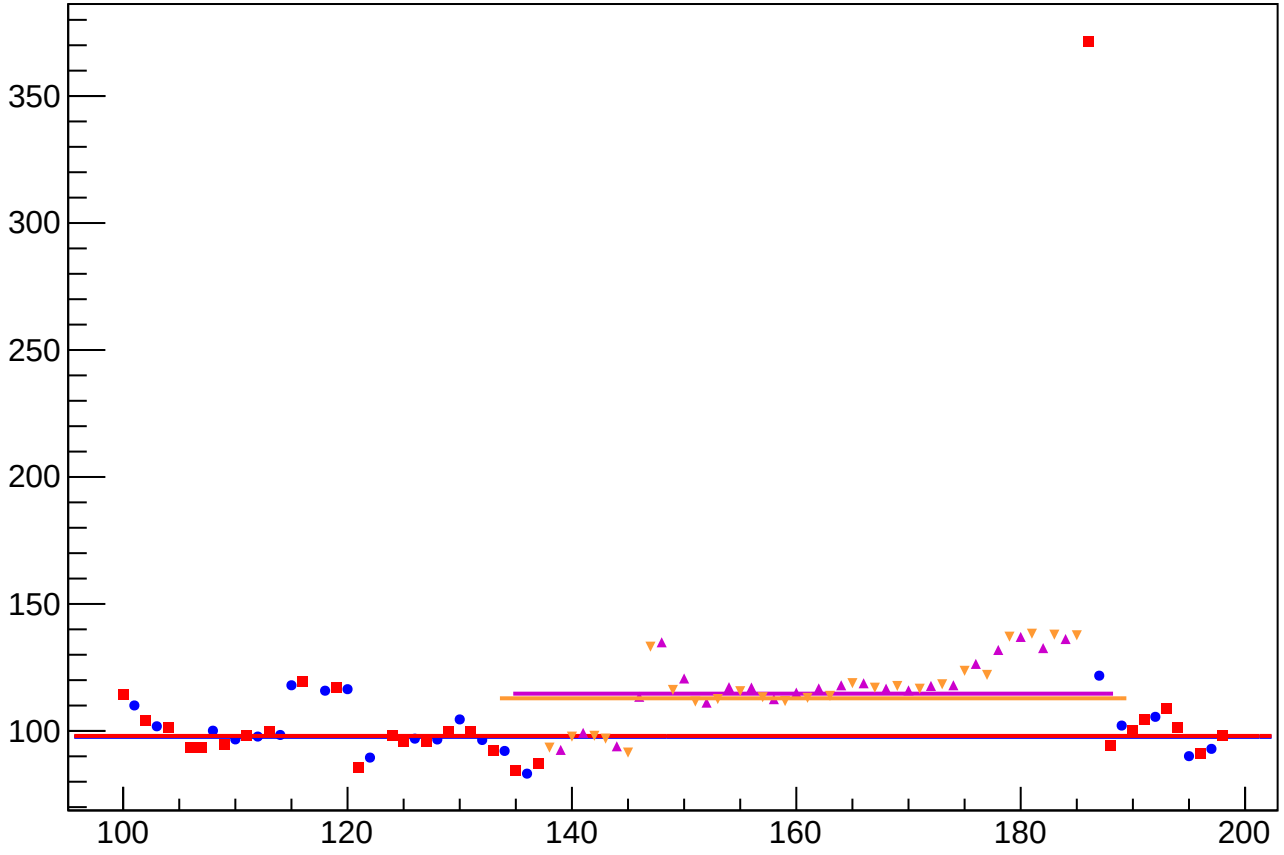
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -102.755+/-19.587 χ^2/NDF: 66.2/45

All: -5.876+/-13.753 χ^2/NDF: 176.1/95

- sign 88.332+/-19.315 χ^2/NDF: 61.7/49

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.670+/-0.021 χ^2/NDF: 185114.2/20

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.034+/-0.020 χ^2/NDF: 588609.4/26

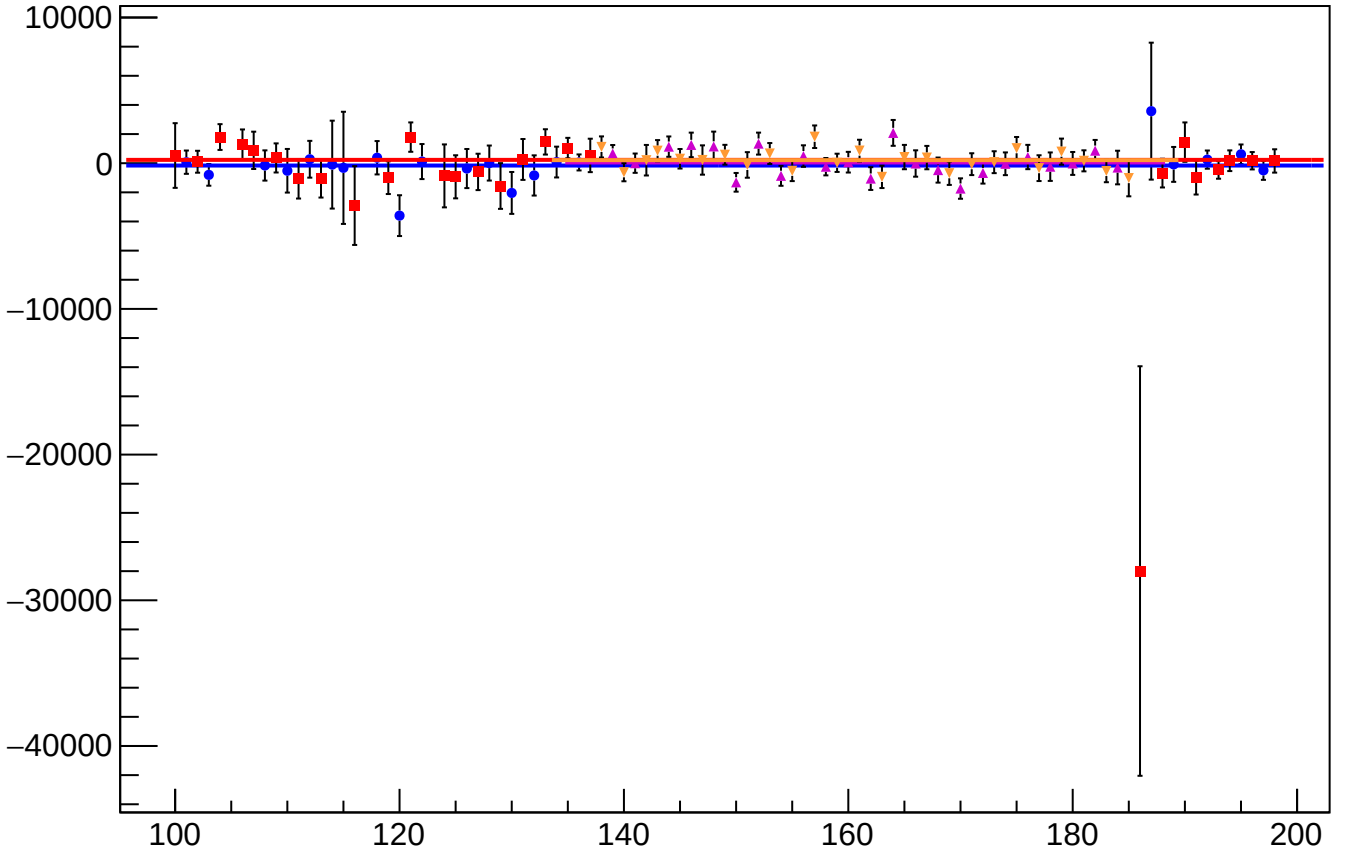
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 106.406+/-0.014 χ^2/NDF: 990809.1/45

All: 106.497+/-0.010 χ^2/NDF: 2360385.5/95

- sign 106.585+/-0.014 χ^2/NDF: 1369492.2/49

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -159.292+/-214.023 χ^2/NDF: 12.1/20

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 229.374+/-193.937 χ^2/NDF: 25.4/26

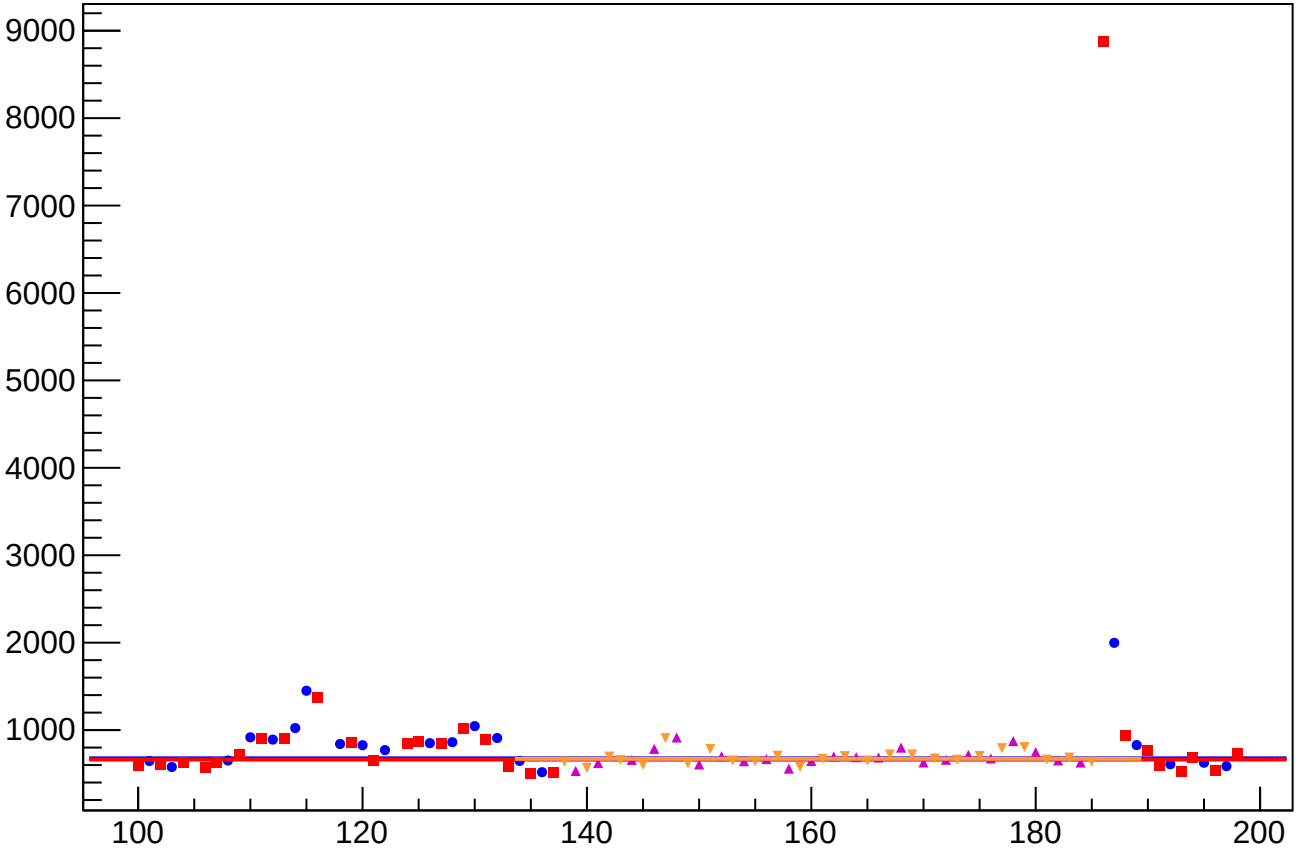
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 83.693+/-124.963 χ^2/NDF: 33.0/45

All: 102.980+/-87.389 χ^2/NDF: 92.3/95

- sign 121.440+/-122.254 χ^2/NDF: 59.2/49

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 676.627+/-0.151 χ^2/NDF: 1030478.9/20

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 663.449+/-0.137 χ^2/NDF: 1844559.6/26

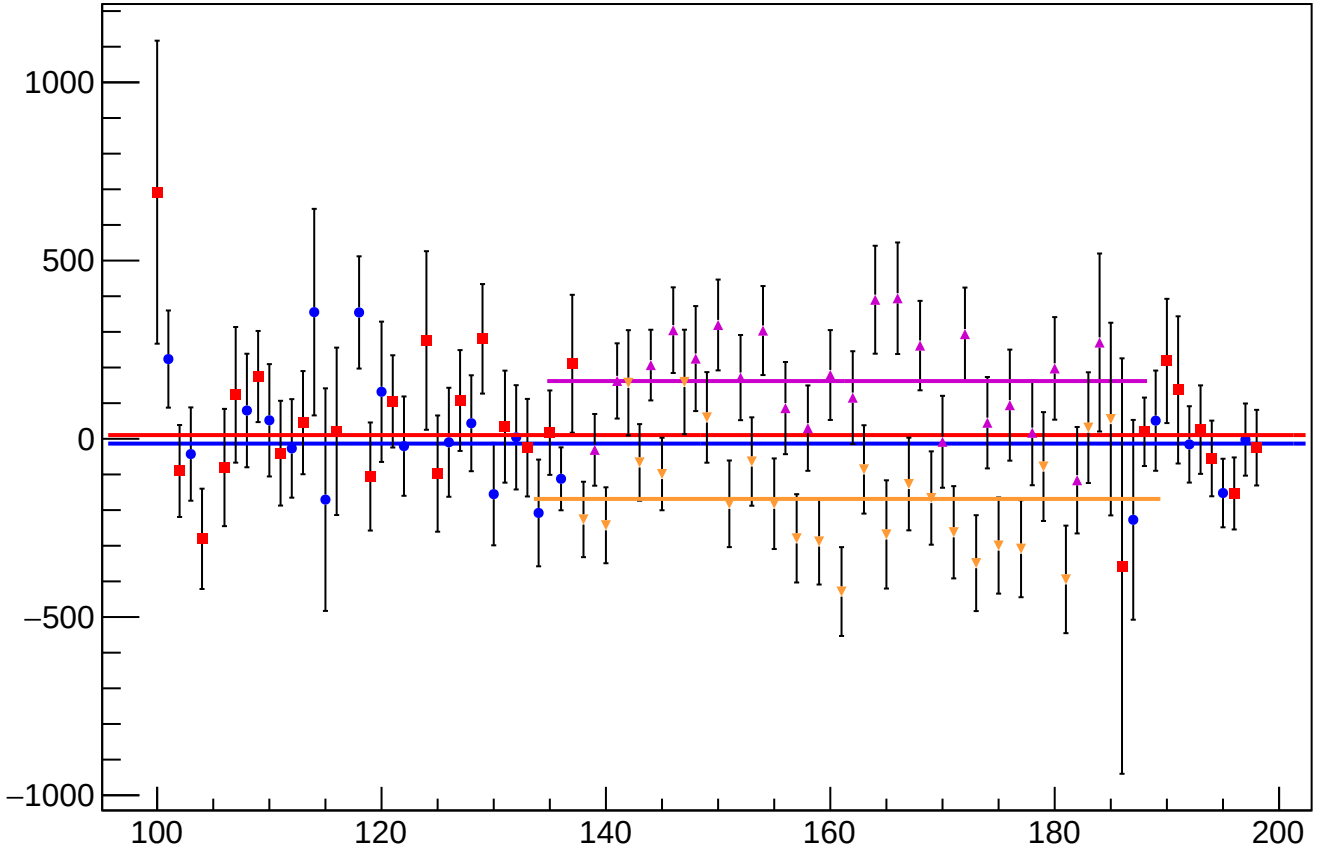
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 673.478+/-0.088 χ^2/NDF: 1430295.9/45

All: 669.552+/-0.062 χ^2/NDF: 3826107.7/95

- sign 665.795+/-0.086 χ^2/NDF: 2391948.7/49

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -13.437+/-30.063 χ^2/NDF: 18.5/20

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 10.464+/-27.700 χ^2/NDF: 22.7/26

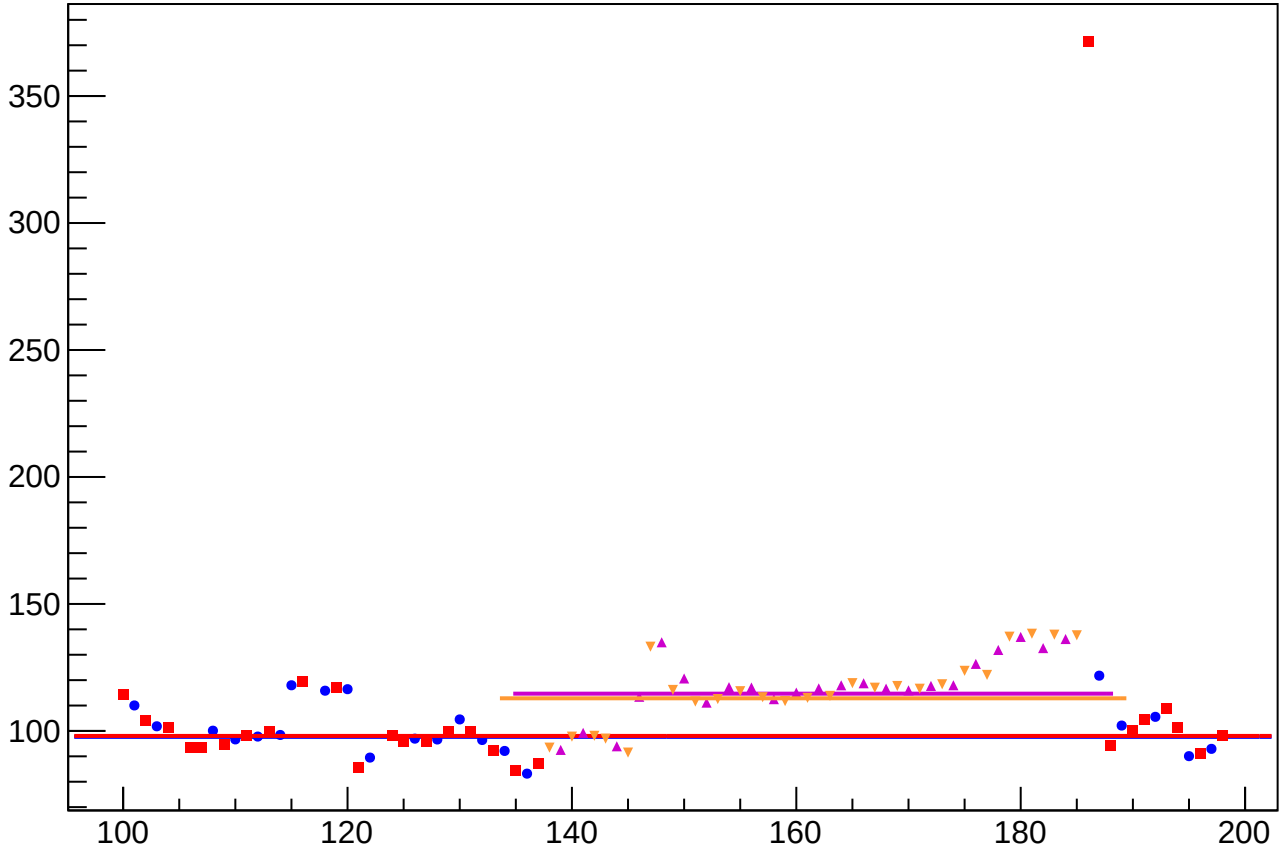
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -102.754+/-19.587 χ^2/NDF: 66.2/45

All: -5.876+/-13.753 χ^2/NDF: 176.1/95

- sign 88.332+/-19.315 χ^2/NDF: 61.7/49

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.670+/-0.021 χ^2/NDF: 185117.7/20

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

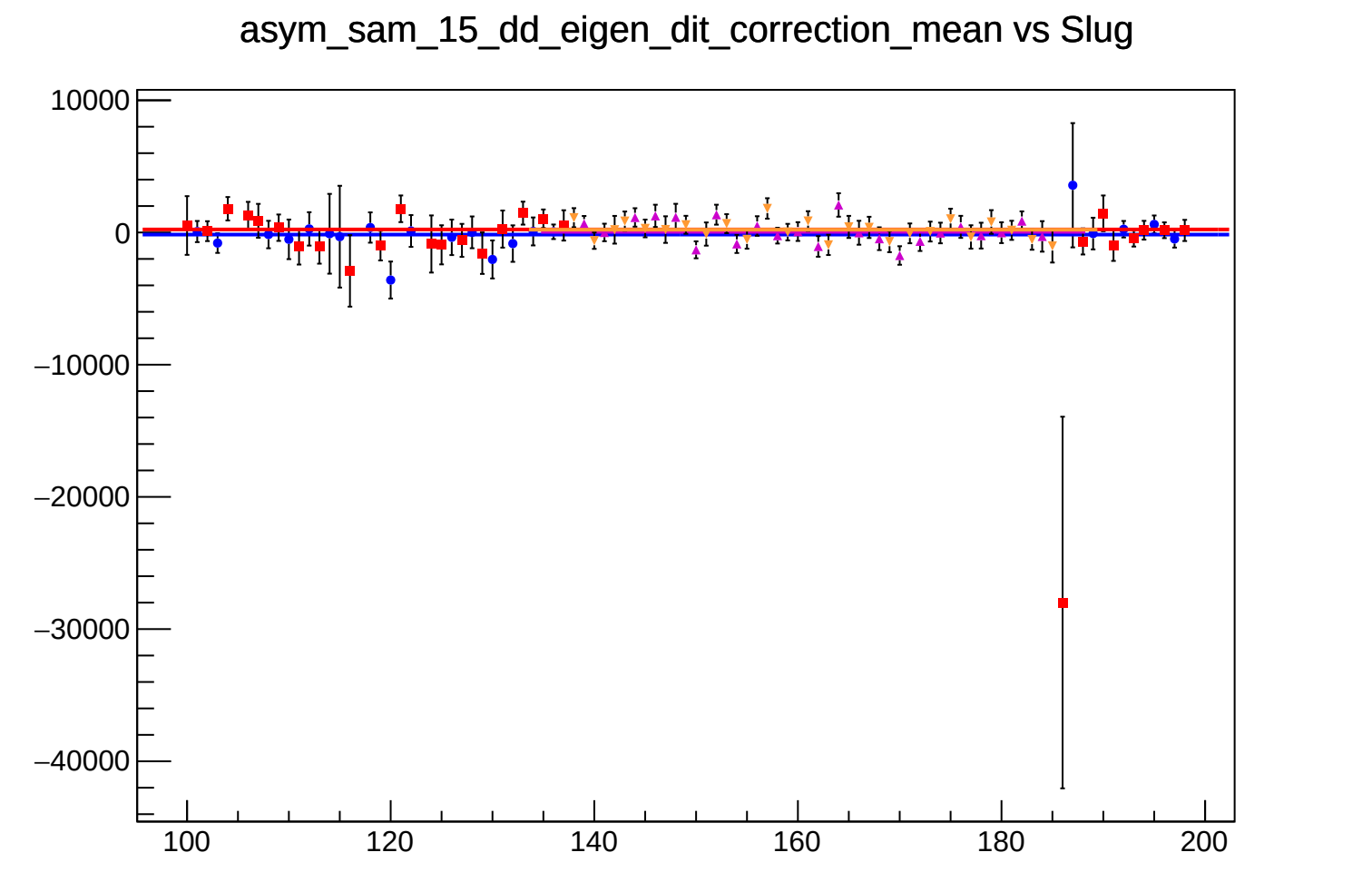
Right Out: 98.034+/-0.020 χ^2/NDF: 588608.2/26

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

\+ sign 106.406+/-0.014 χ^2/NDF: 990814.1/45

All: 106.496+/-0.010 χ^2/NDF: 2360396.7/95

\- sign 106.584+/-0.014 χ^2/NDF: 1369498.5/49



Right In: -159.291+/-214.023 χ^2/NDF: 12.1/20

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 229.374+/-193.936 χ^2/NDF: 25.4/26

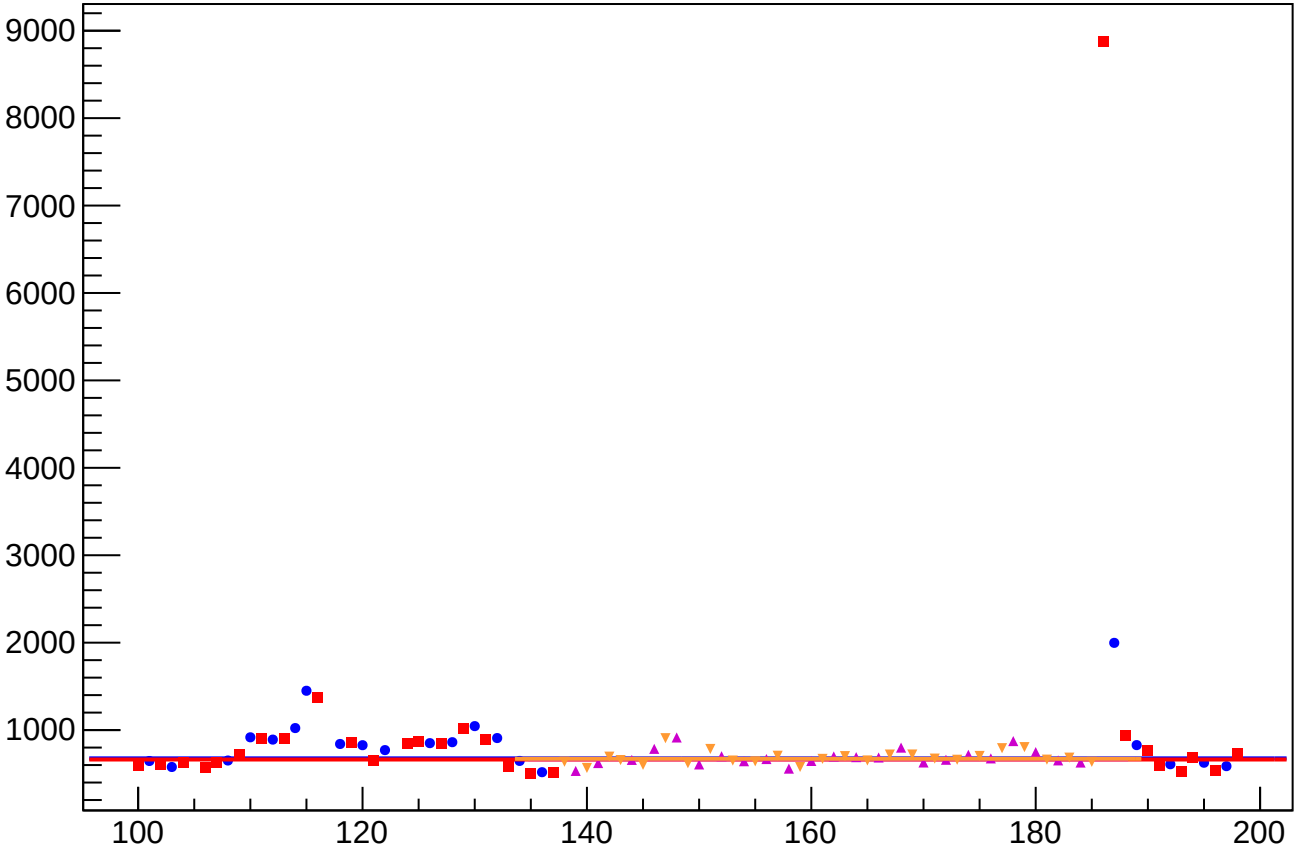
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 83.693+/-124.963 χ^2/NDF: 33.0/45

All: 102.980+/-87.389 χ^2/NDF: 92.3/95

- sign 121.440+/-122.254 χ^2/NDF: 59.2/49

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 676.626+/-0.151 χ^2/NDF: 1030481.1/20

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 663.448+/-0.137 χ^2/NDF: 1844564.2/26

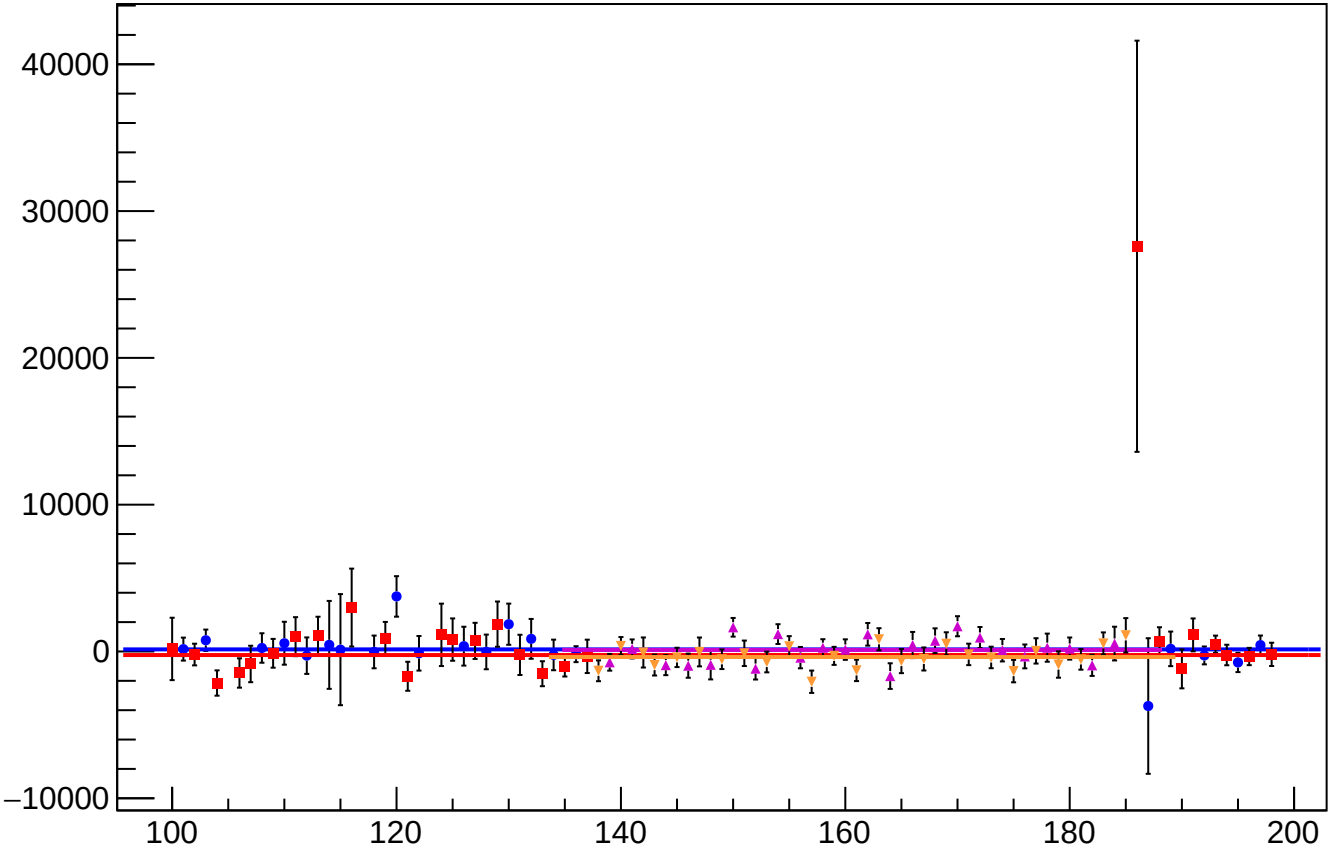
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 673.478+/-0.088 χ^2/NDF: 1430298.1/45

All: 669.552+/-0.062 χ^2/NDF: 3826116.9/95

- sign 665.795+/-0.086 χ^2/NDF: 2391955.8/49

asym_sam_15_dd_mean vs Slug



Right In: 142.224+/-209.926 χ^2/NDF: 13.4/20

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -243.850+/-189.989 χ^2/NDF: 28.7/26

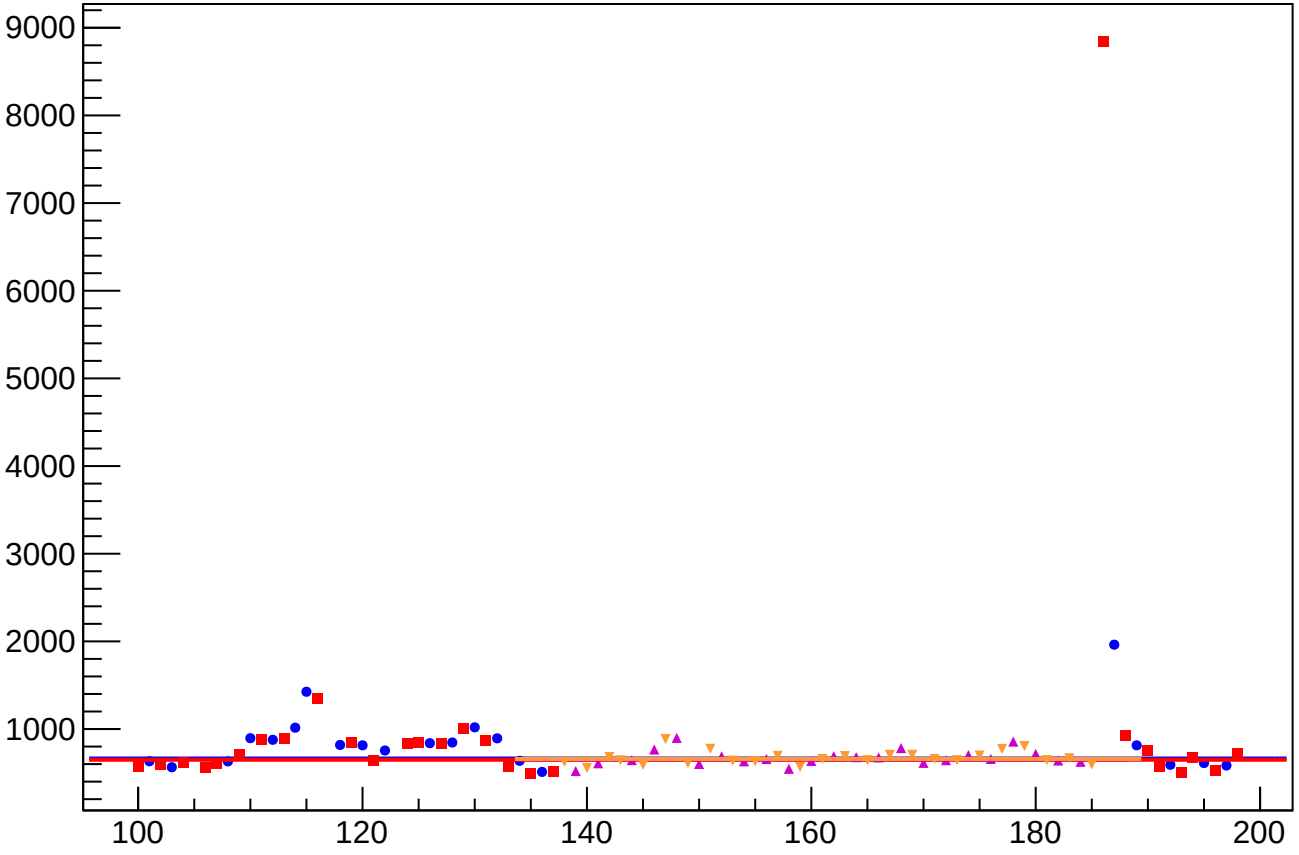
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -200.178+/-122.556 χ^2/NDF: 38.8/45

All: -115.549+/-85.666 χ^2/NDF: 106.0/95

- sign -34.697+/-119.791 χ^2/NDF: 66.3/49

asym_sam_15_dd_rms vs Slug



Right In: 663.580+/-0.148 χ^2/NDF: 1025430.2/20

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

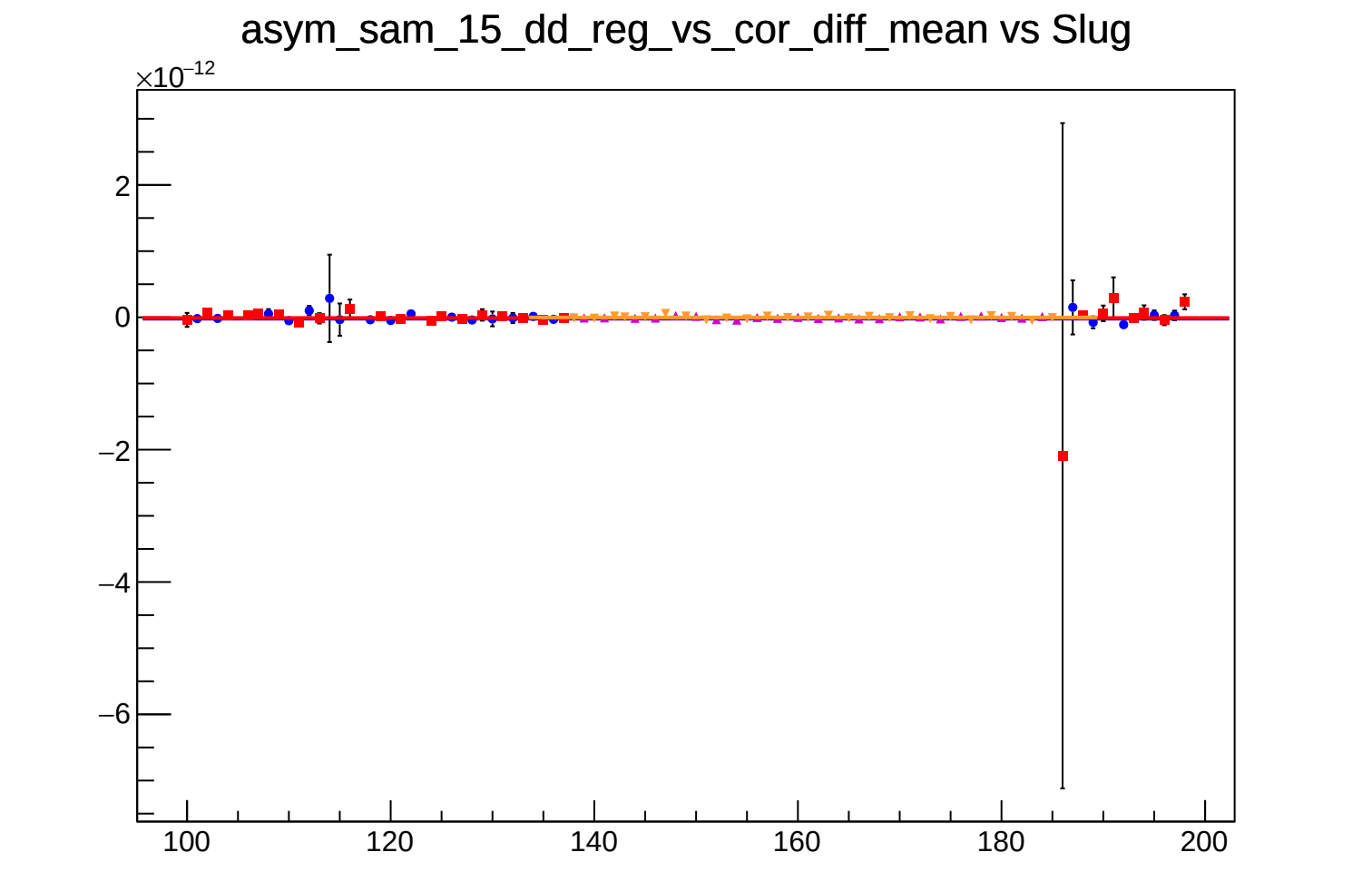
Right Out: 649.448+/-0.134 χ^2/NDF: 1871053.2/26

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 660.345+/-0.087 χ^2/NDF: 1435834.9/45

All: 656.159+/-0.061 χ^2/NDF: 3854204.2/95

- sign 652.160+/-0.085 χ^2/NDF: 2413807.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

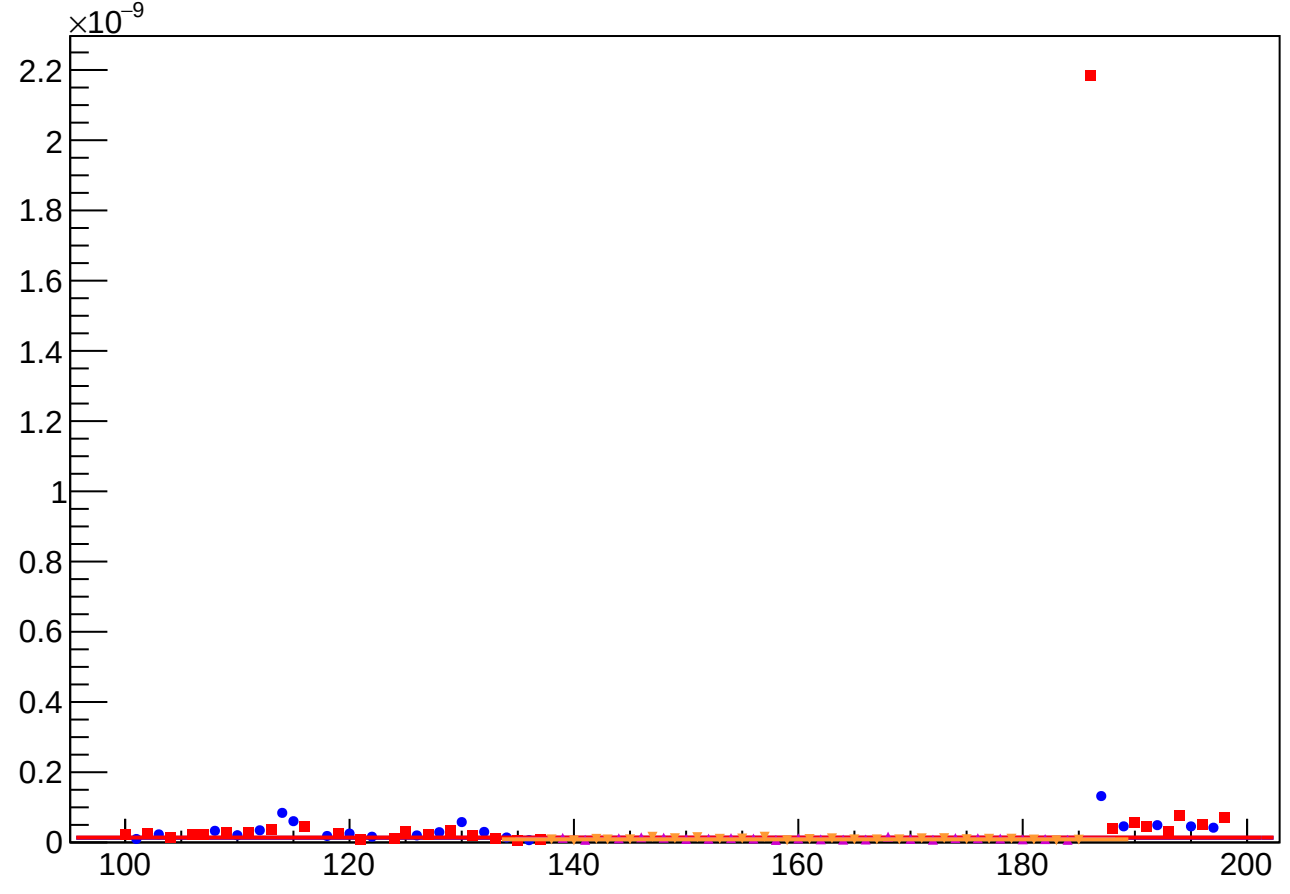
Right Out: -0.000+/-0.000 χ^2/NDF: 24.5/26

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/45

All: -0.000+/-0.000 χ^2/NDF: 90.8/95

- sign -0.000+/-0.000 χ^2/NDF: 40.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 3934989.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5237582.9/26

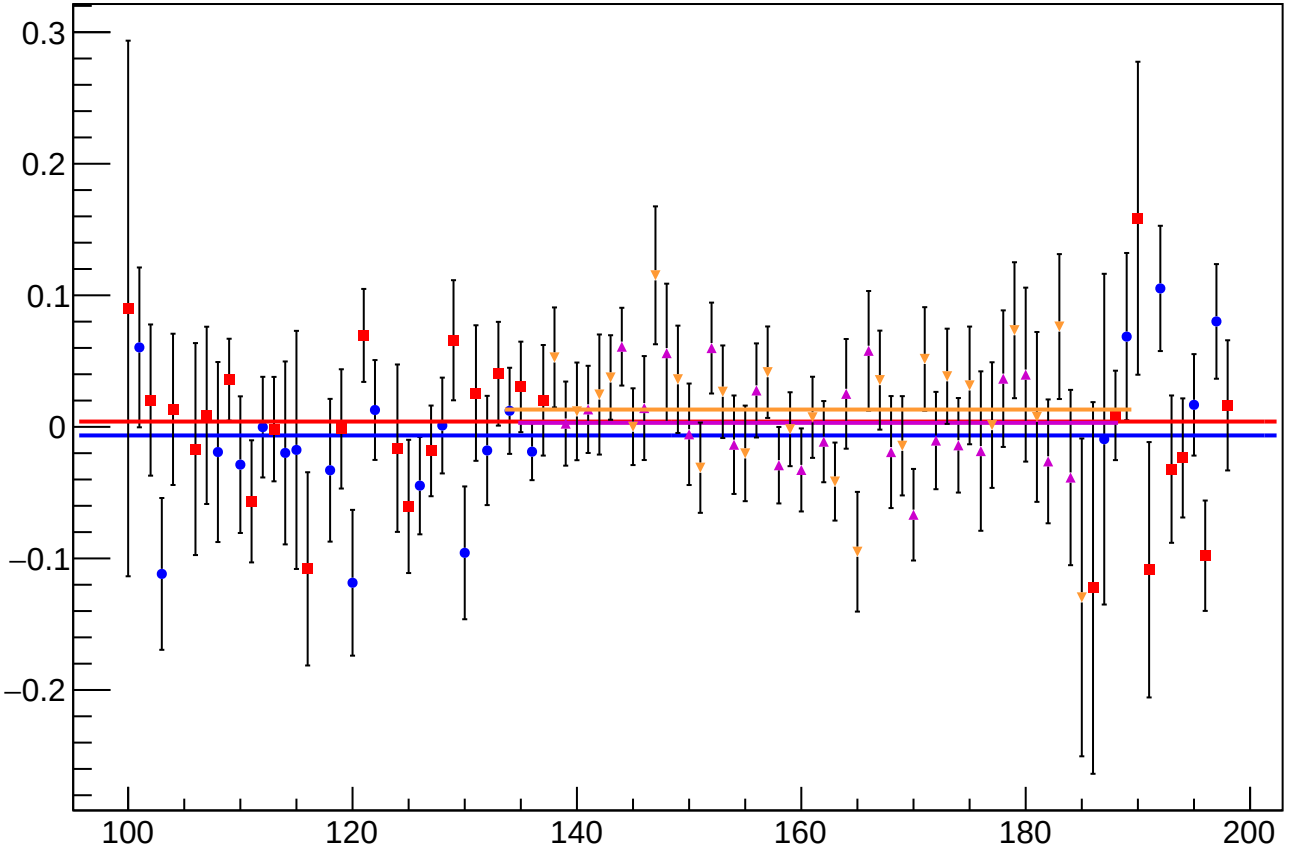
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5491263.0/45

All: 0.000+/-0.000 χ^2/NDF: 11943524.5/95

- sign 0.000+/-0.000 χ^2/NDF: 6294630.0/49

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.004+/-0.009 χ^2/NDF: 25.3/26

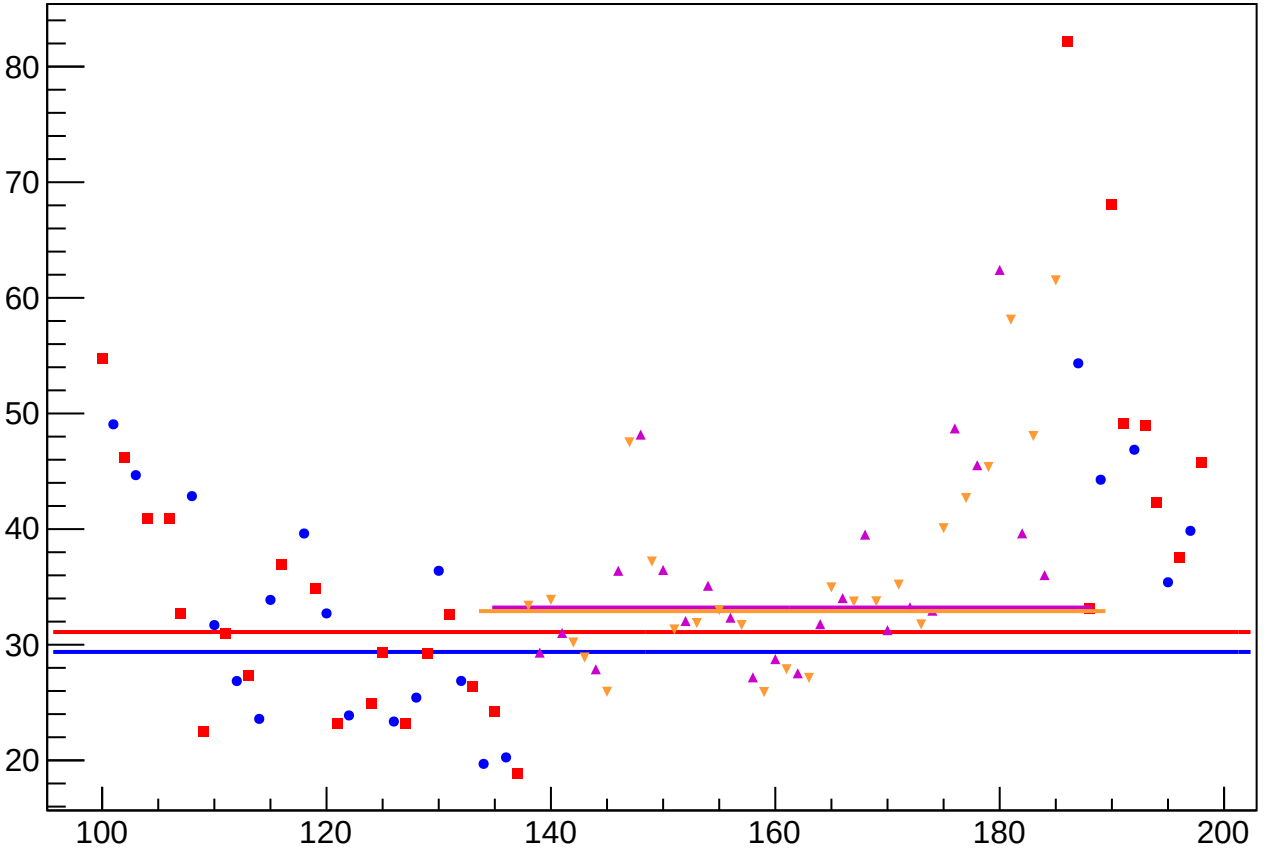
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.005+/-0.006 χ^2/NDF: 53.6/45

All: 0.004+/-0.004 χ^2/NDF: 98.1/95

- sign 0.003+/-0.006 χ^2/NDF: 44.5/49

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.376+/-0.007 χ^2/NDF: 1855733.5/20

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 31.099+/-0.006 χ^2/NDF: 2037854.5/26

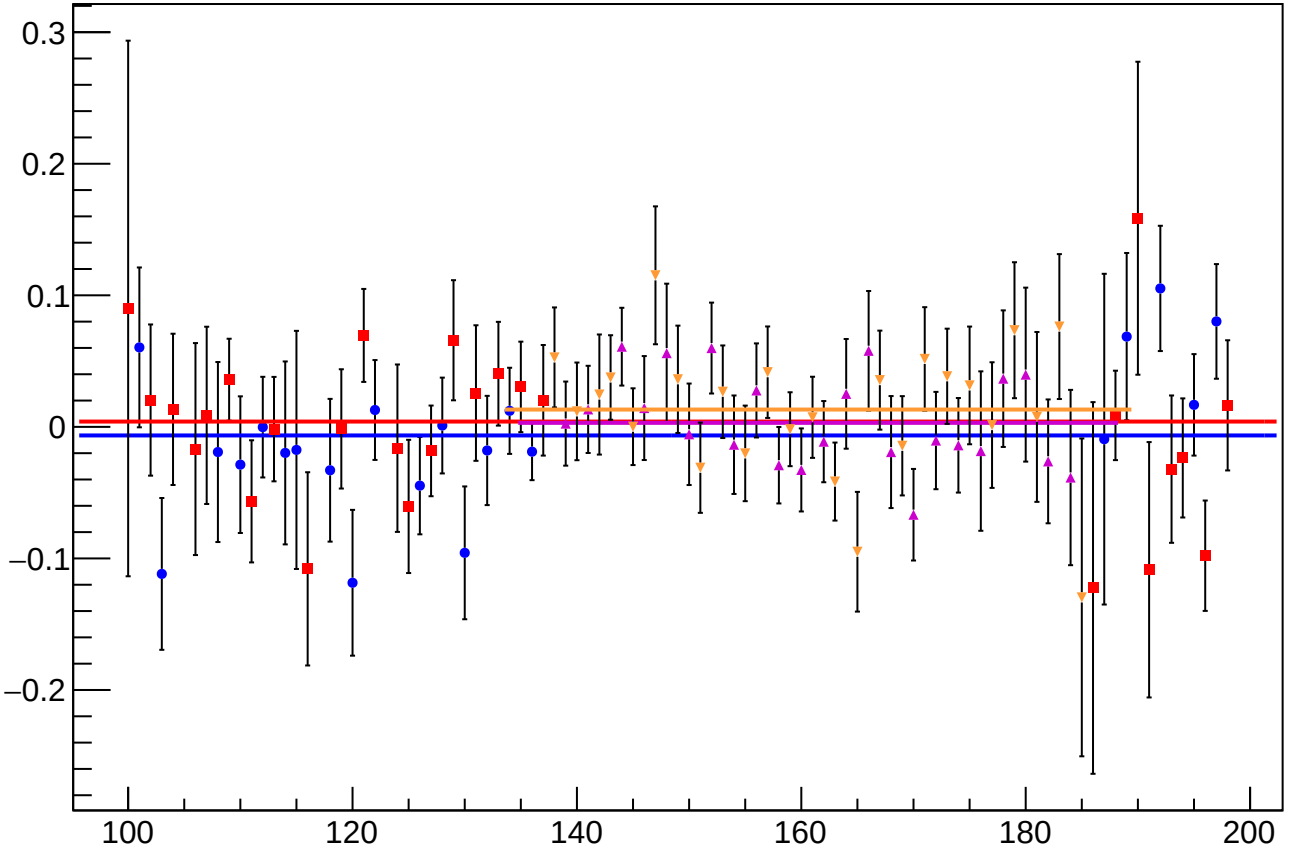
Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.518+/-0.004 χ^2/NDF: 3450106.2/45

All: 31.910+/-0.003 χ^2/NDF: 6787515.5/95

- sign 32.307+/-0.004 χ^2/NDF: 3320083.3/49

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

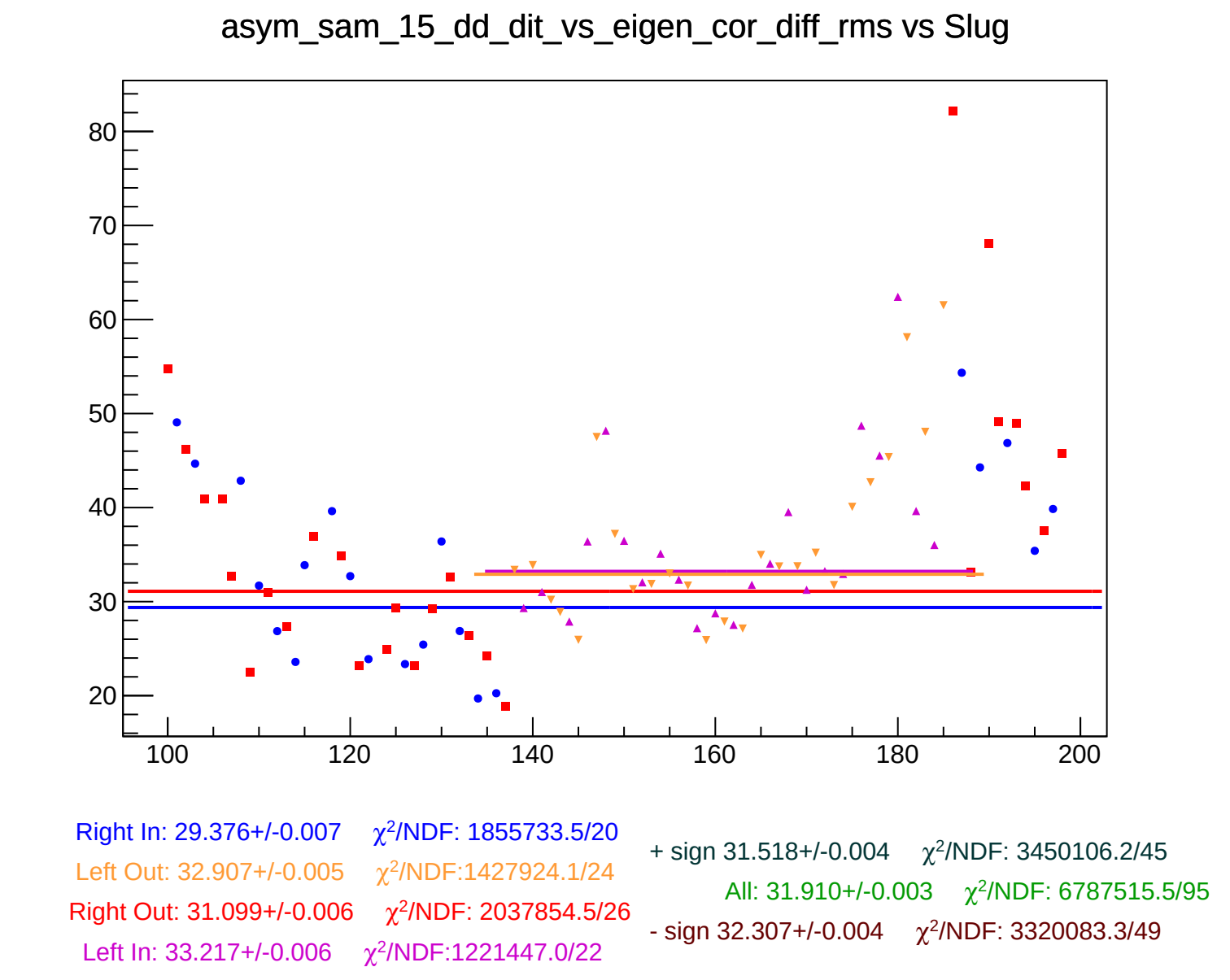
Right Out: 0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

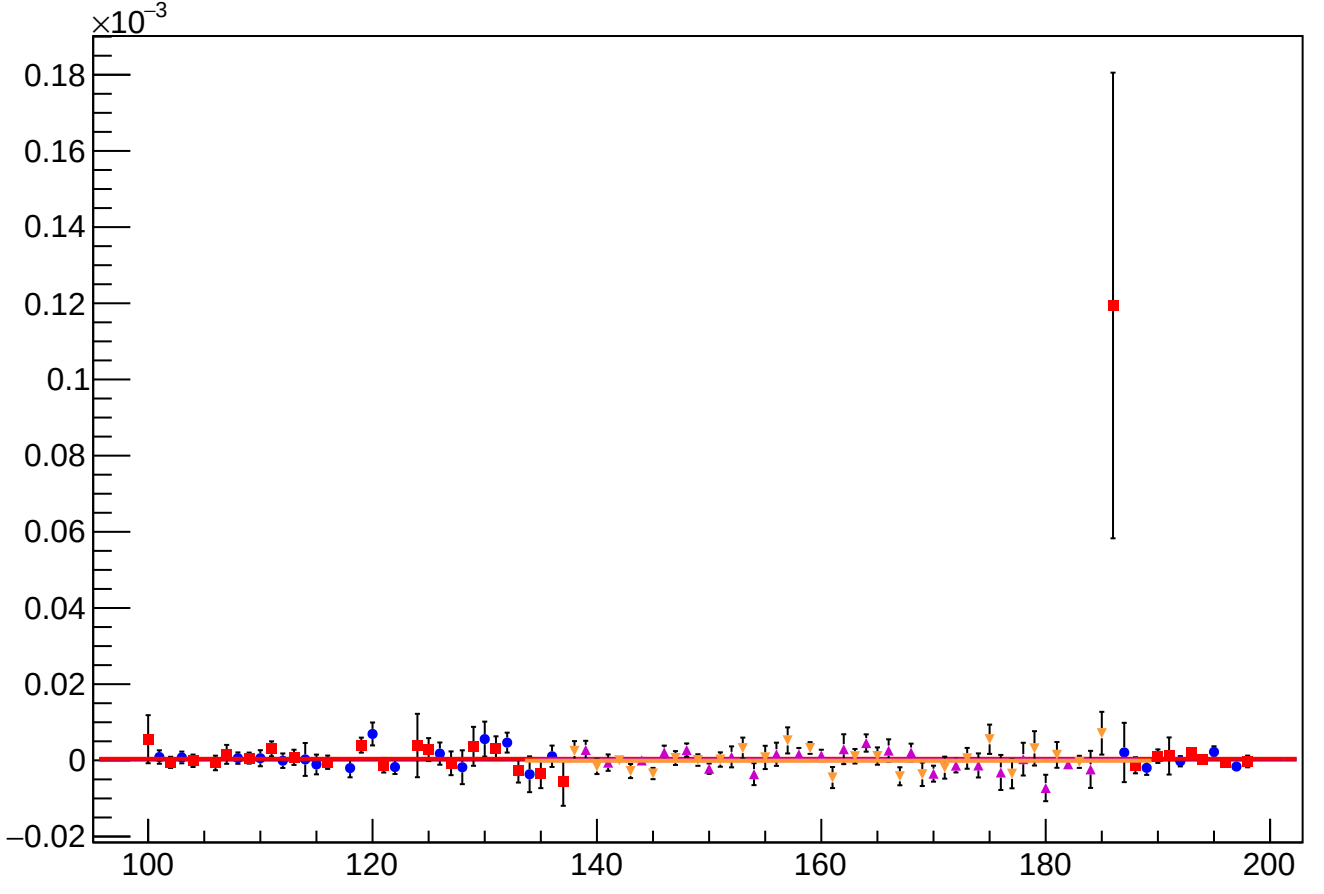
+ sign 0.005+/-0.006 χ^2/NDF: 53.6/45

All: 0.004+/-0.004 χ^2/NDF: 98.1/95

- sign 0.003+/-0.006 χ^2/NDF: 44.5/49


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 29.376+/-0.007 χ²/NDF: 1855733.5/20
Left Out: 32.907+/-0.005 χ²/NDF:1427924.1/24
Right Out: 31.099+/-0.006 χ²/NDF: 2037854.5/26
Left In: 33.217+/-0.006 χ²/NDF:1221447.0/22
+ sign 31.518+/-0.004 χ²/NDF: 3450106.2/45
All: 31.910+/-0.003 χ²/NDF: 6787515.5/95
- sign 32.307+/-0.004 χ²/NDF: 3320083.3/49

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

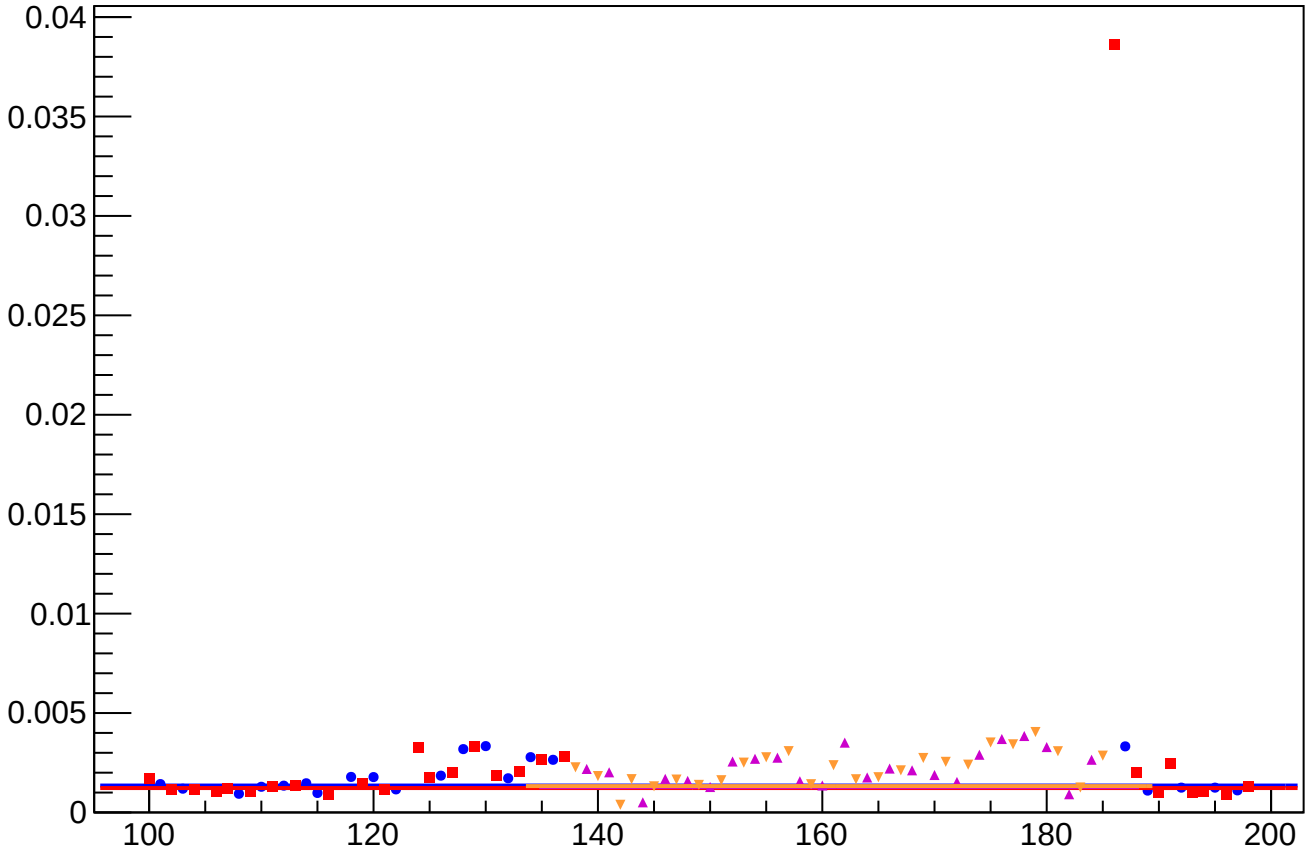
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/26

Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/45

All: 0.000+/-0.000 χ^2/NDF: 98.3/95

- sign 0.000+/-0.000 χ^2/NDF: 48.2/49



Right In: 0.001+/-0.000 χ^2/NDF: 2030383.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

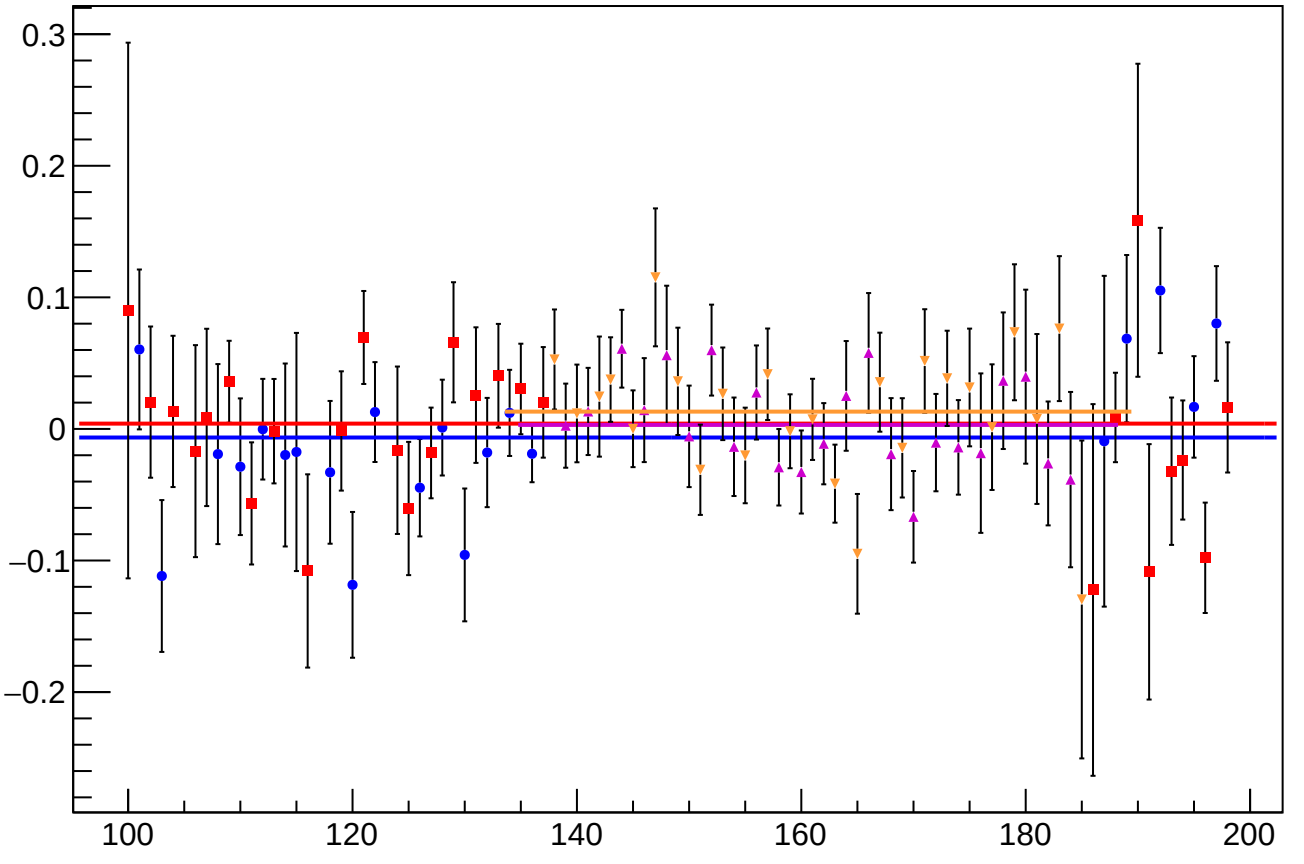
Right Out: 0.001+/-0.000 χ^2/NDF: 2986432.8/26

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13194066.9/45

All: 0.001+/-0.000 χ^2/NDF: 26174316.8/95

- sign 0.001+/-0.000 χ^2/NDF: 12881377.9/49



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

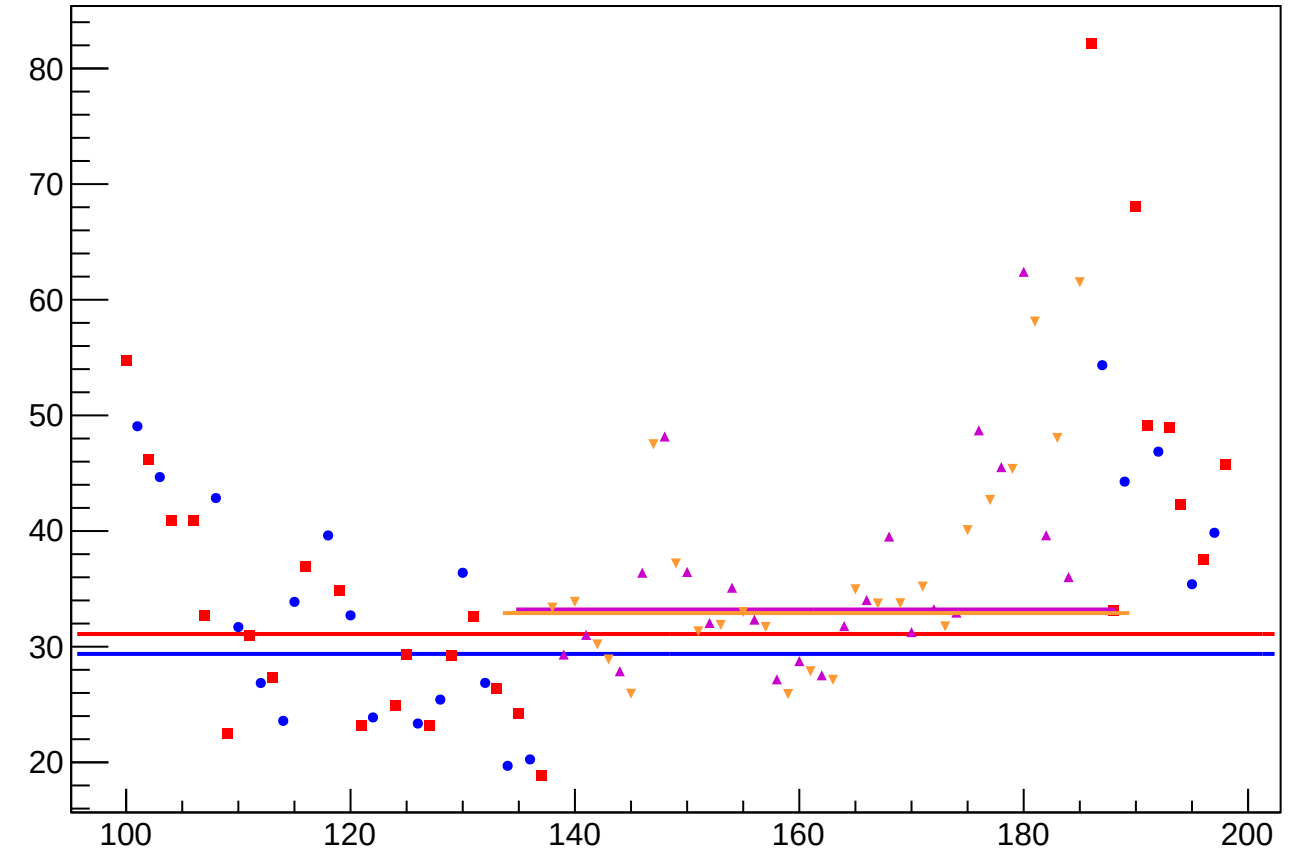
Right Out: 0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

\+ sign 0.005+/-0.006 χ^2/NDF: 53.6/45

All: 0.004+/-0.004 χ^2/NDF: 98.1/95

\- sign 0.003+/-0.006 χ^2/NDF: 44.5/49



Right In: 29.375+/-0.007 χ^2/NDF: 1855870.8/20

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

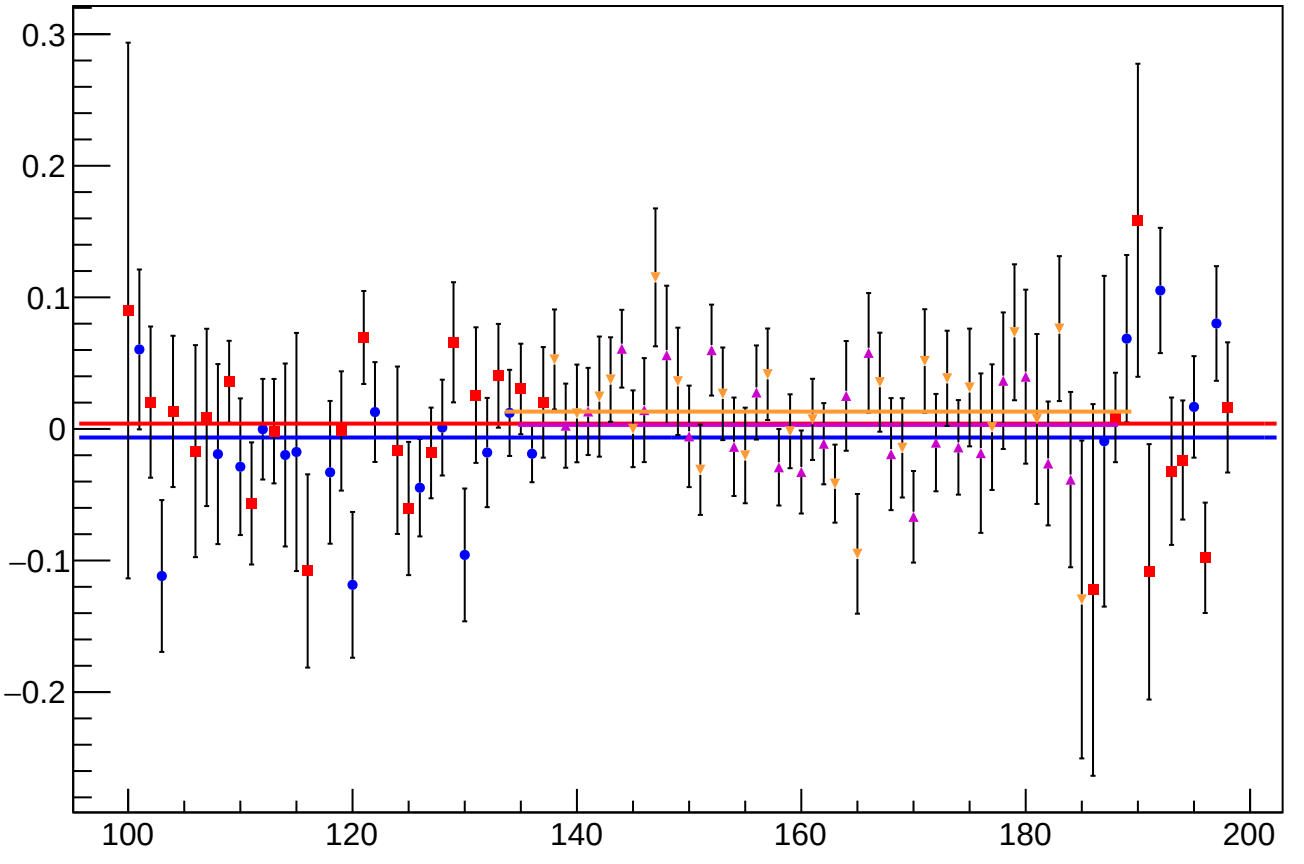
Right Out: 31.097+/-0.006 χ^2/NDF: 2038099.9/26

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.517+/-0.004 χ^2/NDF: 3450389.1/45

All: 31.909+/-0.003 χ^2/NDF: 6788178.8/95

- sign 32.306+/-0.004 χ^2/NDF: 3320468.1/49



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

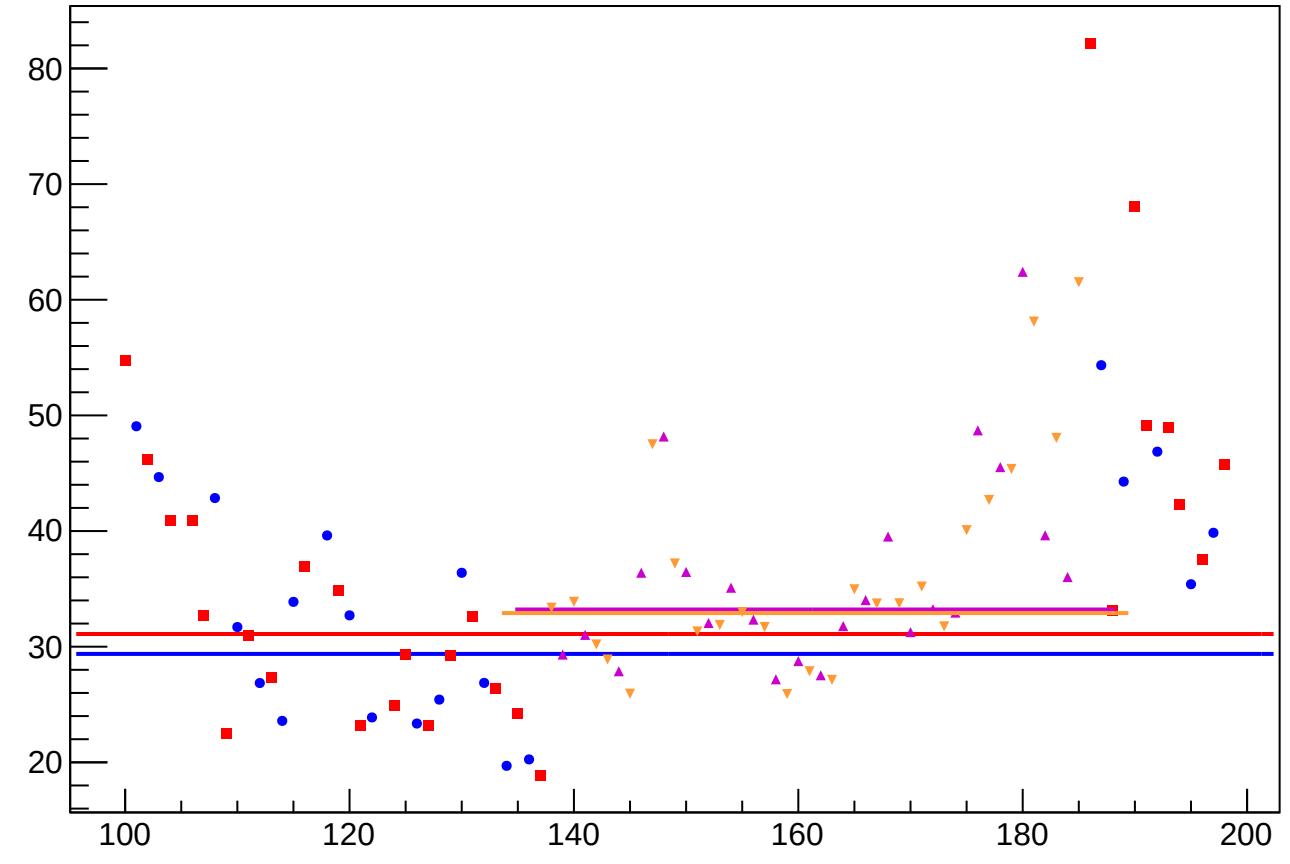
Right Out: 0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.005+/-0.006 χ^2/NDF: 53.6/45

All: 0.004+/-0.004 χ^2/NDF: 98.1/95

- sign 0.003+/-0.006 χ^2/NDF: 44.5/49



Right In: 29.375+/-0.007 χ^2/NDF: 1855870.8/20

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

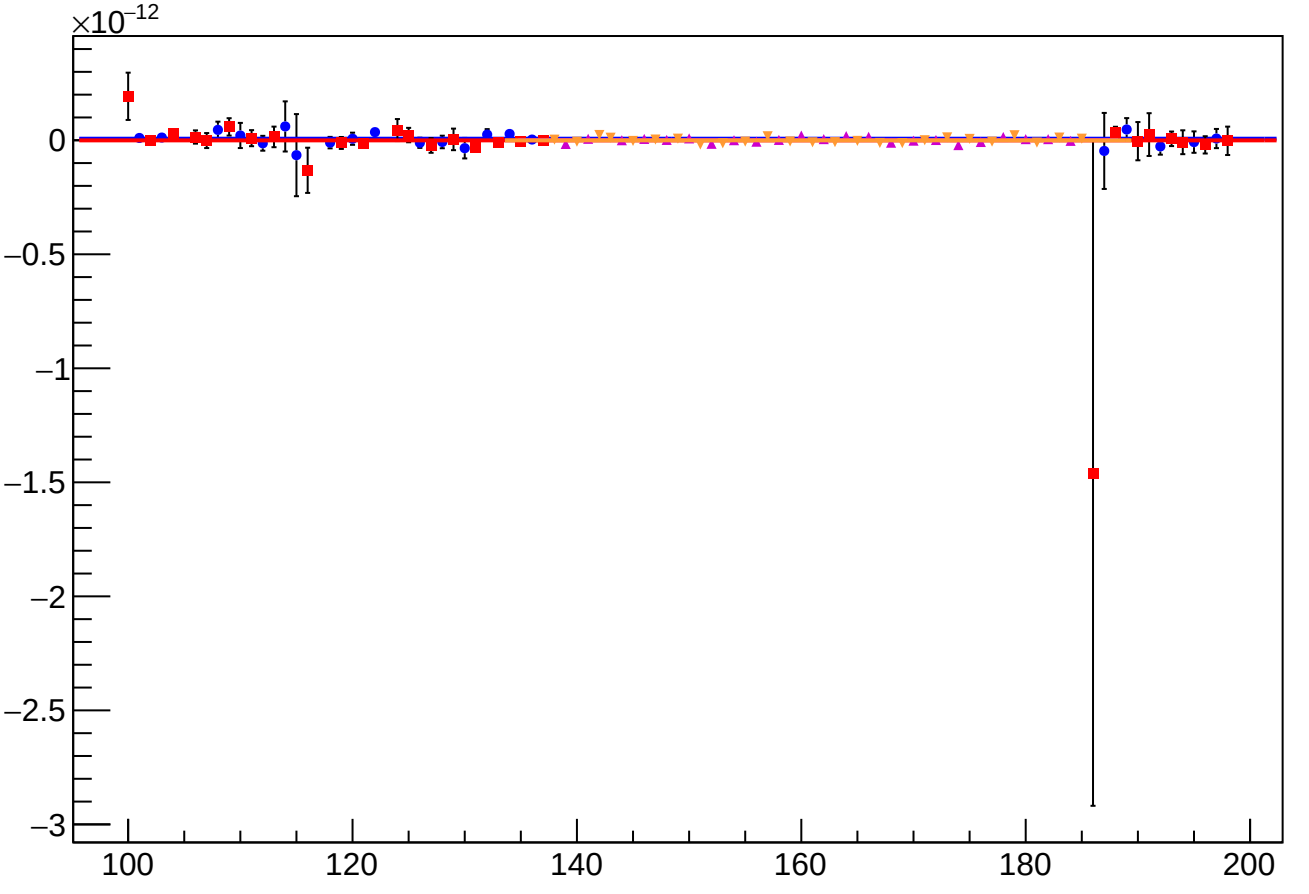
Right Out: 31.097+/-0.006 χ^2/NDF: 2038099.9/26

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.517+/-0.004 χ^2/NDF: 3450389.1/45

All: 31.909+/-0.003 χ^2/NDF: 6788178.8/95

- sign 32.306+/-0.004 χ^2/NDF: 3320468.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 10.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

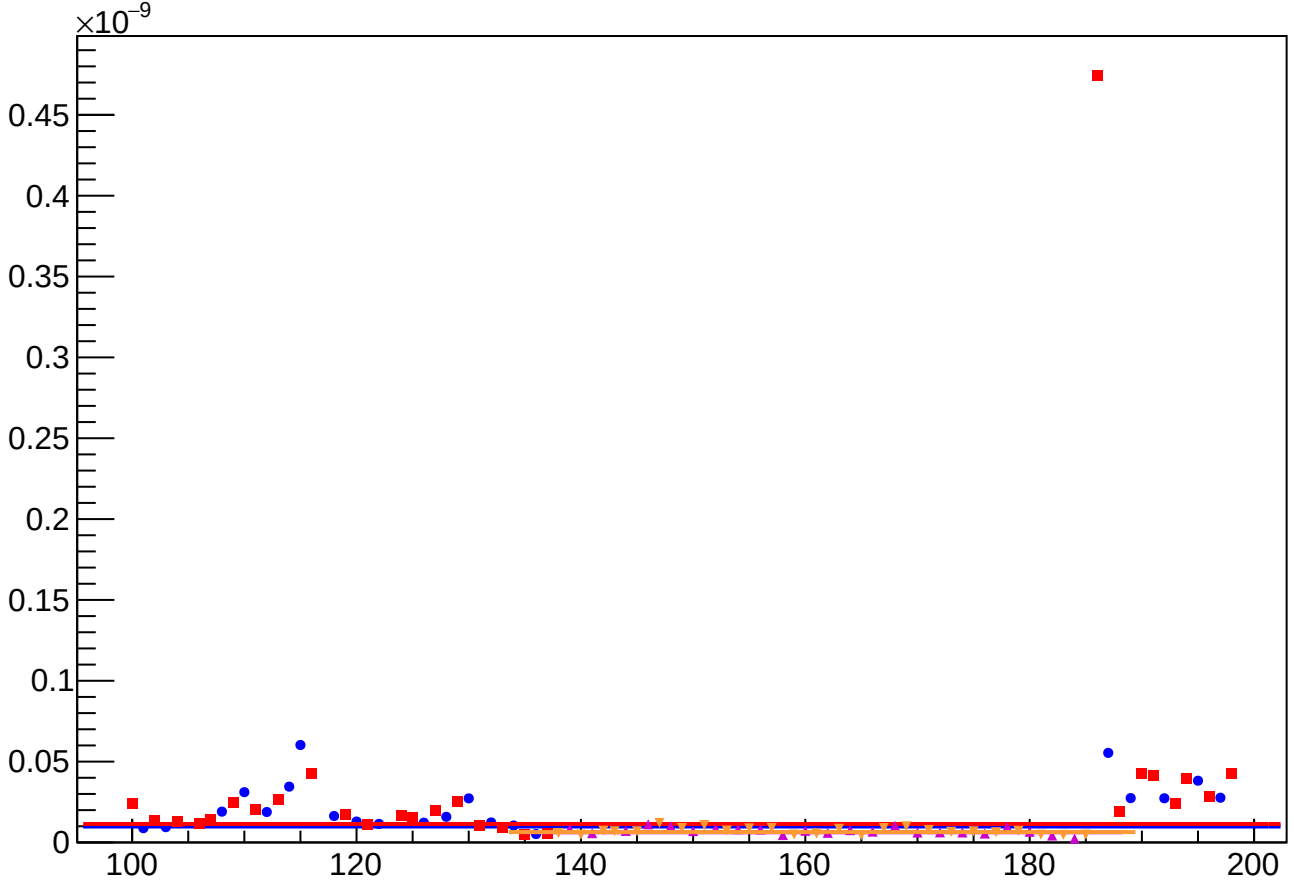
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/26

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/45

All: 0.000+/-0.000 χ^2/NDF: 86.9/95

- sign 0.000+/-0.000 χ^2/NDF: 43.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 4433444.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5493831.8/26

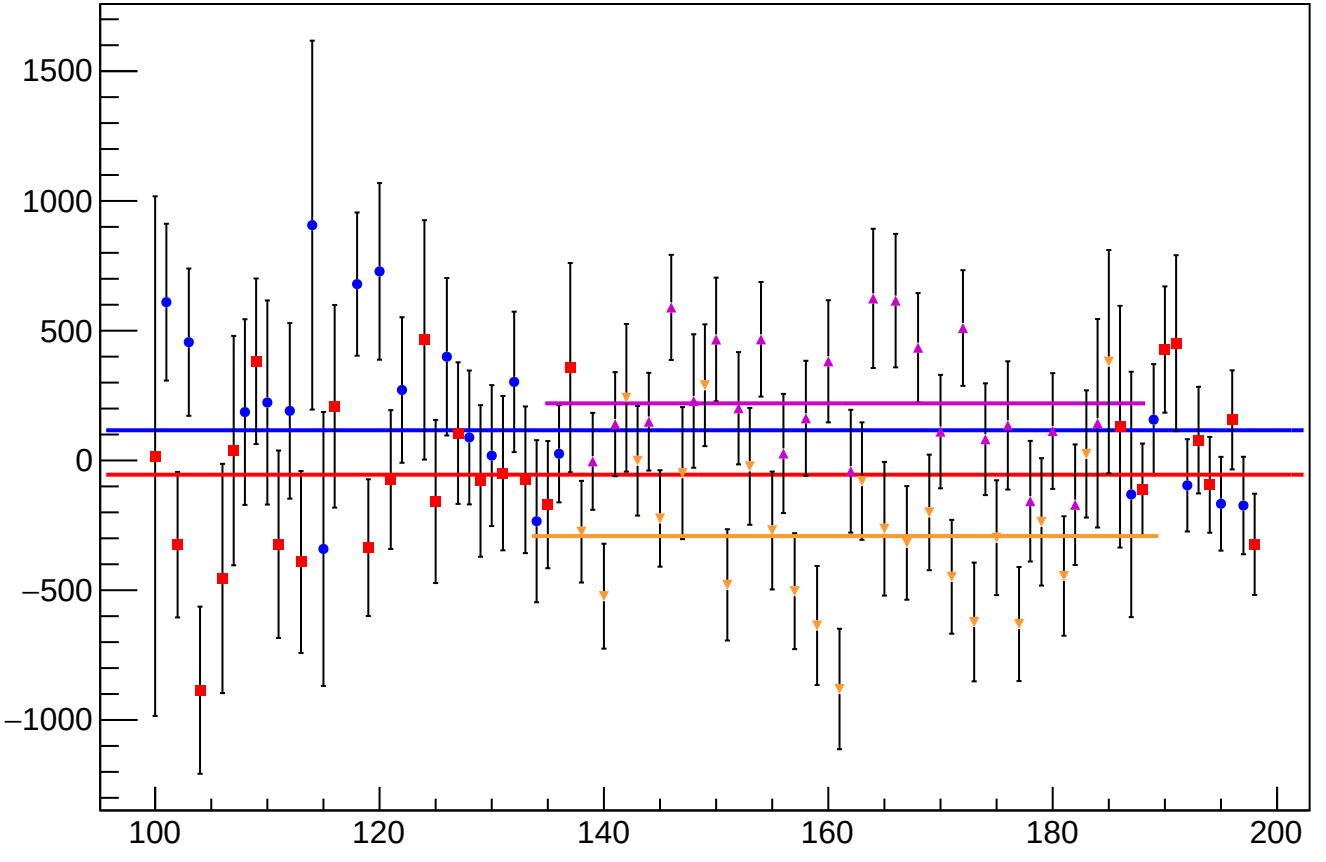
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7331220.3/45

All: 0.000+/-0.000 χ^2/NDF: 16984801.2/95

- sign 0.000+/-0.000 χ^2/NDF: 9649996.8/49

reg_asym_sam_26_dd_mean vs Slug



Right In: 116.287+/-58.198 χ^2/NDF: 23.5/20

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -54.775+/-53.480 χ^2/NDF: 26.4/26

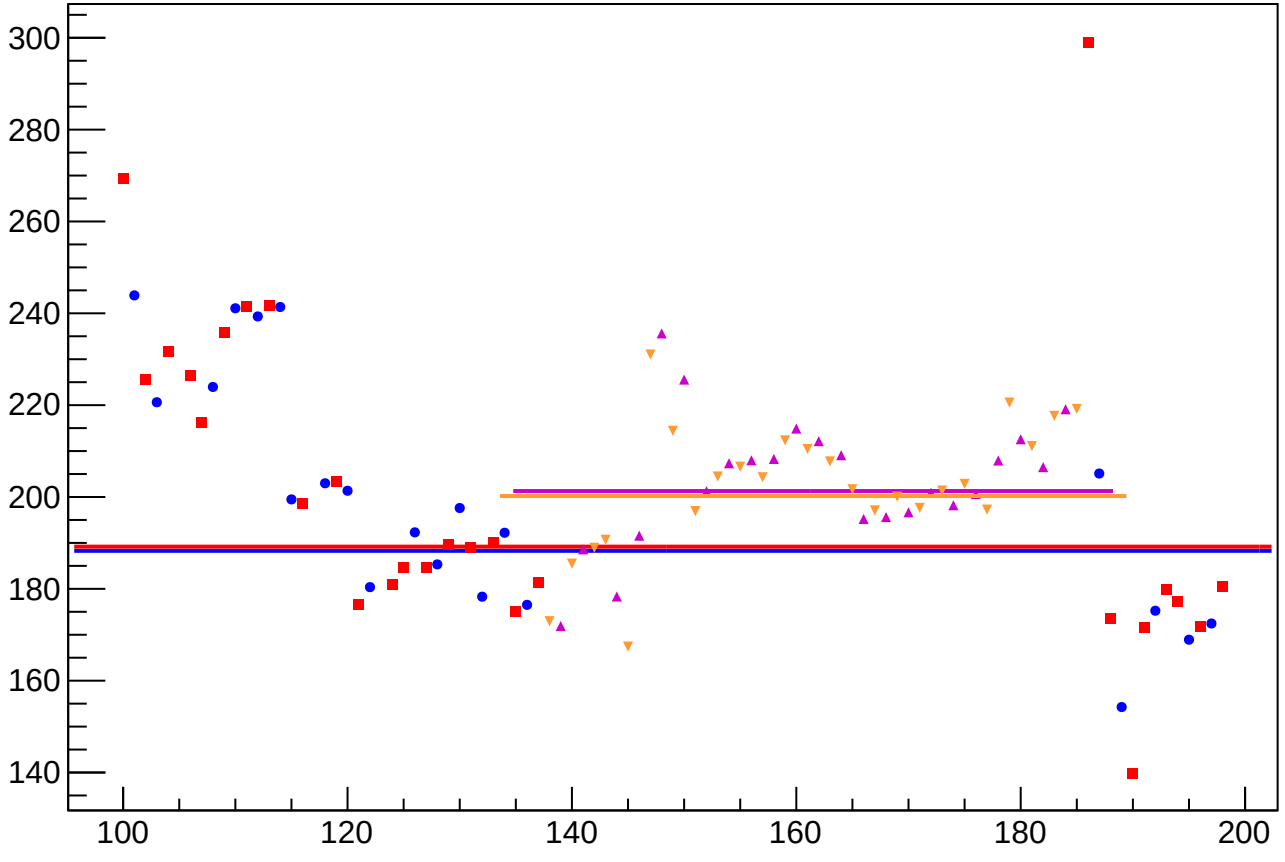
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -136.206+/-35.901 χ^2/NDF: 90.3/45

All: -16.418+/-25.194 χ^2/NDF: 177.2/95

- sign 99.826+/-35.366 χ^2/NDF: 65.0/49

reg_asym_sam_26_dd_rms vs Slug



Right In: 188.282+/-0.041 χ^2/NDF: 332478.4/20

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 189.190+/-0.038 χ^2/NDF: 500295.5/26

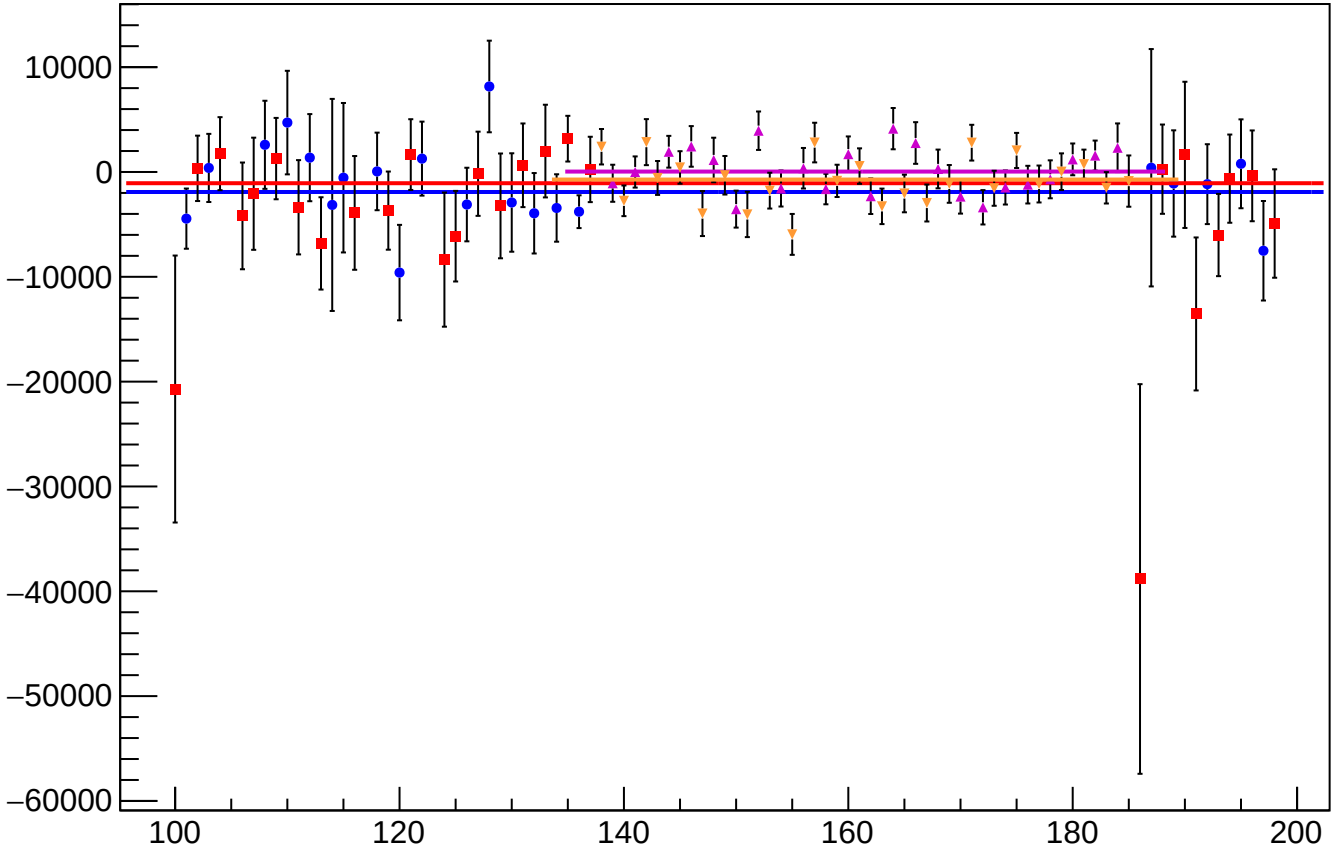
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 195.671+/-0.025 χ^2/NDF: 588915.9/45

All: 195.839+/-0.018 χ^2/NDF: 1328629.7/95

- sign 196.003+/-0.025 χ^2/NDF: 739627.1/49

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1908.953+/-797.953 χ^2/NDF: 18.2/20

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1071.246+/-805.065 χ^2/NDF: 24.4/26

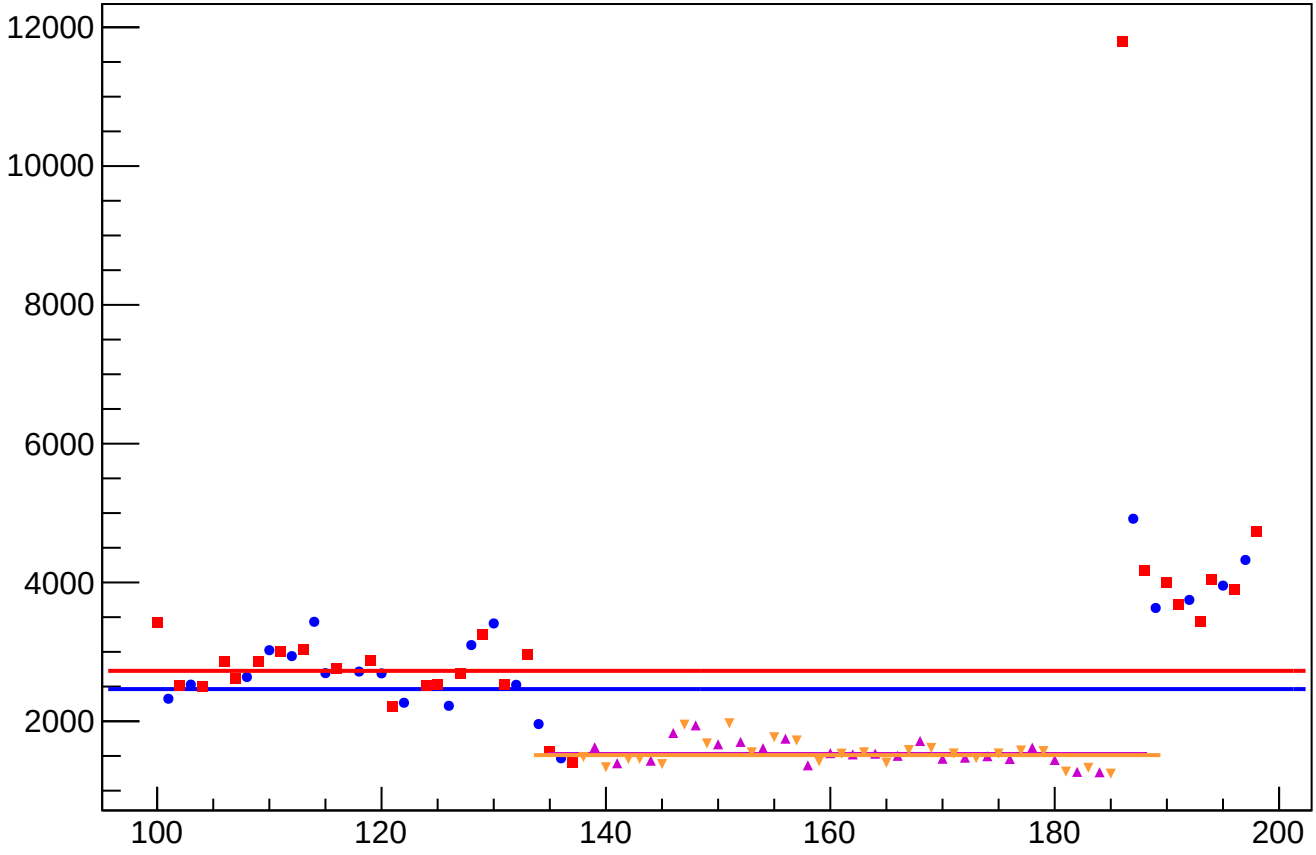
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -909.099+/-317.732 χ^2/NDF: 58.3/45

All: -539.361+/-228.241 χ^2/NDF: 121.5/95

- sign -145.150+/-328.080 χ^2/NDF: 60.4/49

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2463.611+/-0.564 χ^2/NDF: 2080099.4/20

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2726.443+/-0.569 χ^2/NDF: 2581782.3/26

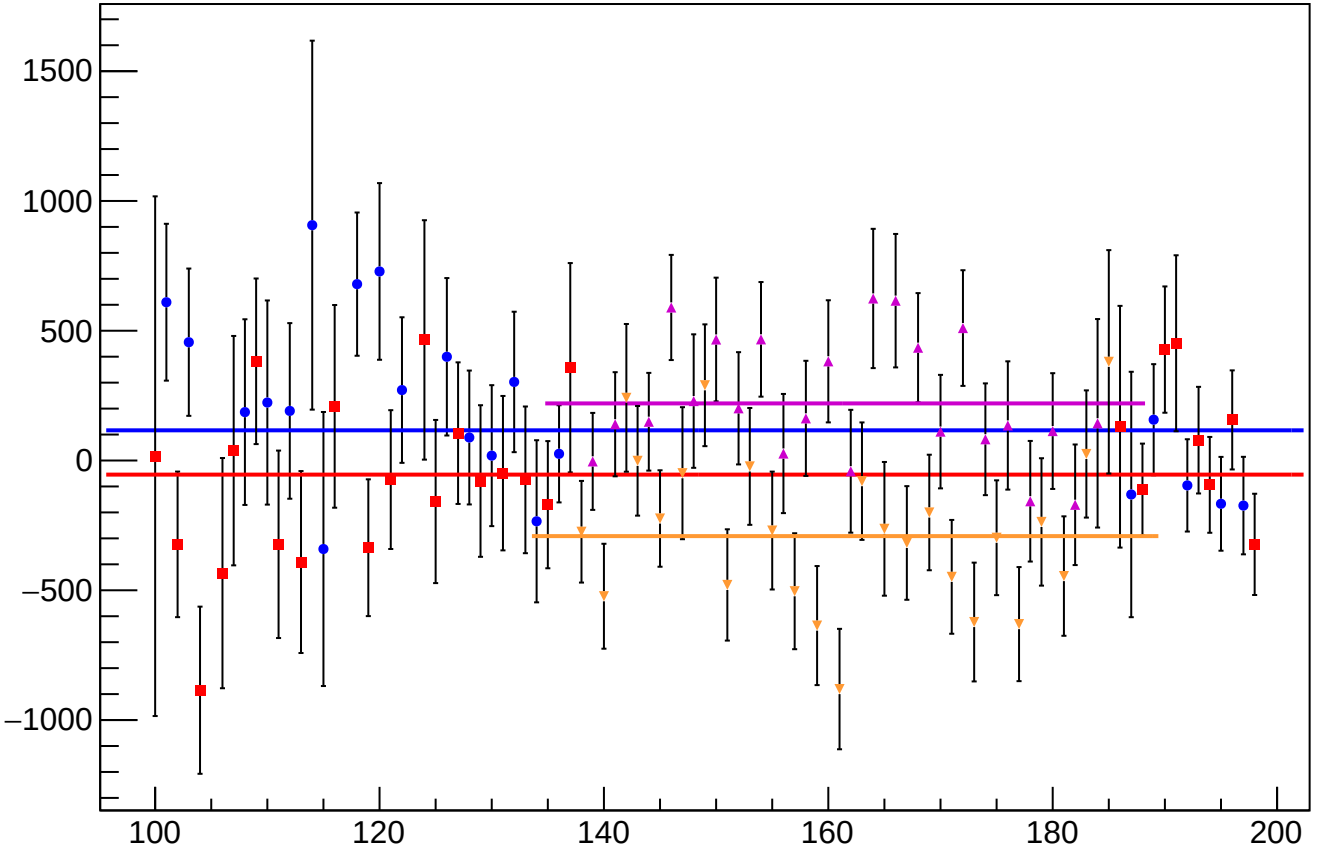
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1663.185+/-0.225 χ^2/NDF: 4914260.4/45

All: 1694.069+/-0.161 χ^2/NDF: 11605144.6/9

- sign 1726.998+/-0.232 χ^2/NDF: 6651841.0/49

cor_asym_sam_26_dd_mean vs Slug



Right In: 116.286+/-58.198 χ^2/NDF: 23.5/20

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -54.357+/-53.484 χ^2/NDF: 26.3/26

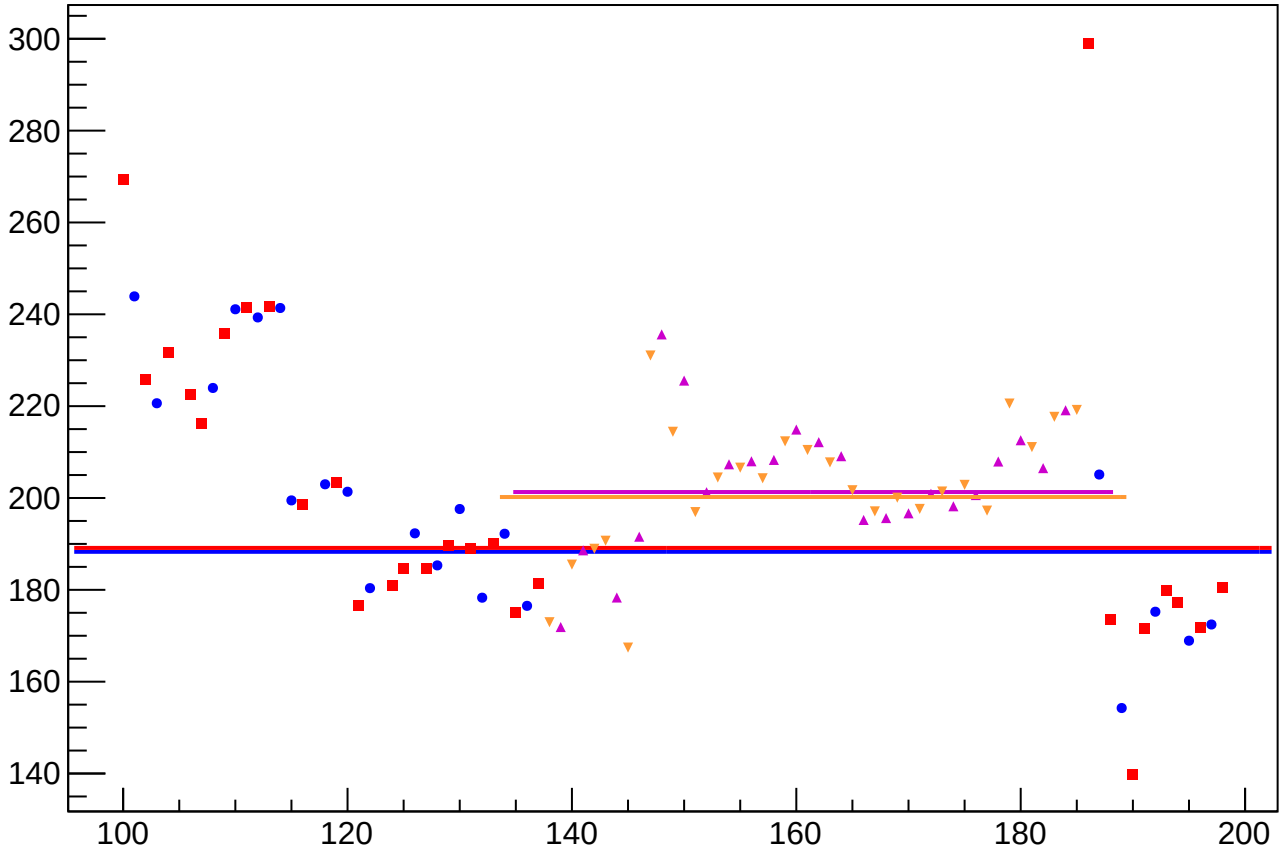
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -136.208+/-35.901 χ^2/NDF: 90.3/45

All: -16.322+/-25.195 χ^2/NDF: 177.1/95

- sign 100.024+/-35.367 χ^2/NDF: 64.8/49

cor_asym_sam_26_dd_rms vs Slug



Right In: 188.282+/-0.041 χ^2/NDF: 332478.9/20

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

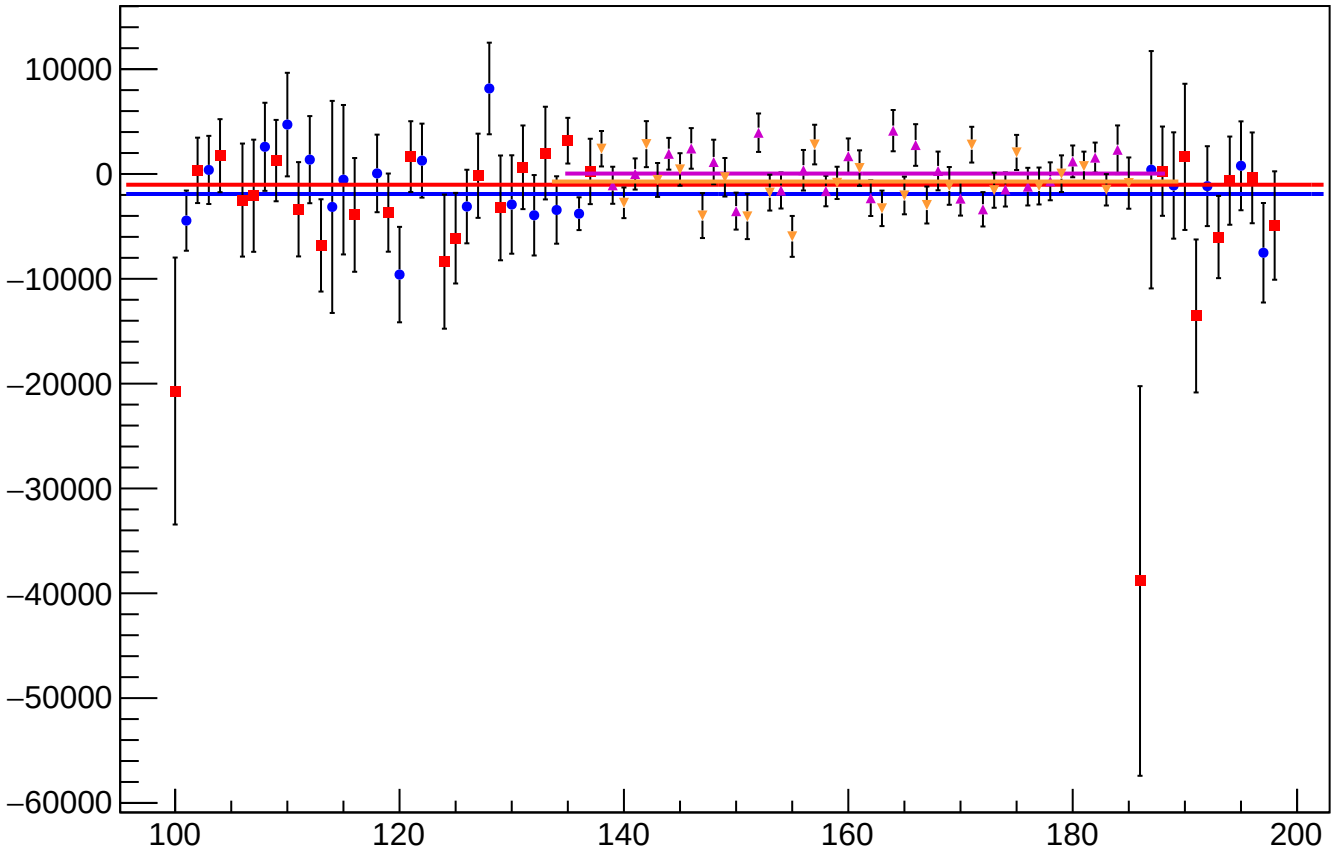
Right Out: 189.129+/-0.038 χ^2/NDF: 497453.5/26

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 195.671+/-0.025 χ^2/NDF: 588916.3/45

All: 195.826+/-0.018 χ^2/NDF: 1326344.3/95

\- sign 195.977+/-0.025 χ^2/NDF: 737354.3/49



Right In: -1908.922+/-797.954 χ^2/NDF: 18.2/20

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1024.973+/-806.182 χ^2/NDF: 24.1/26

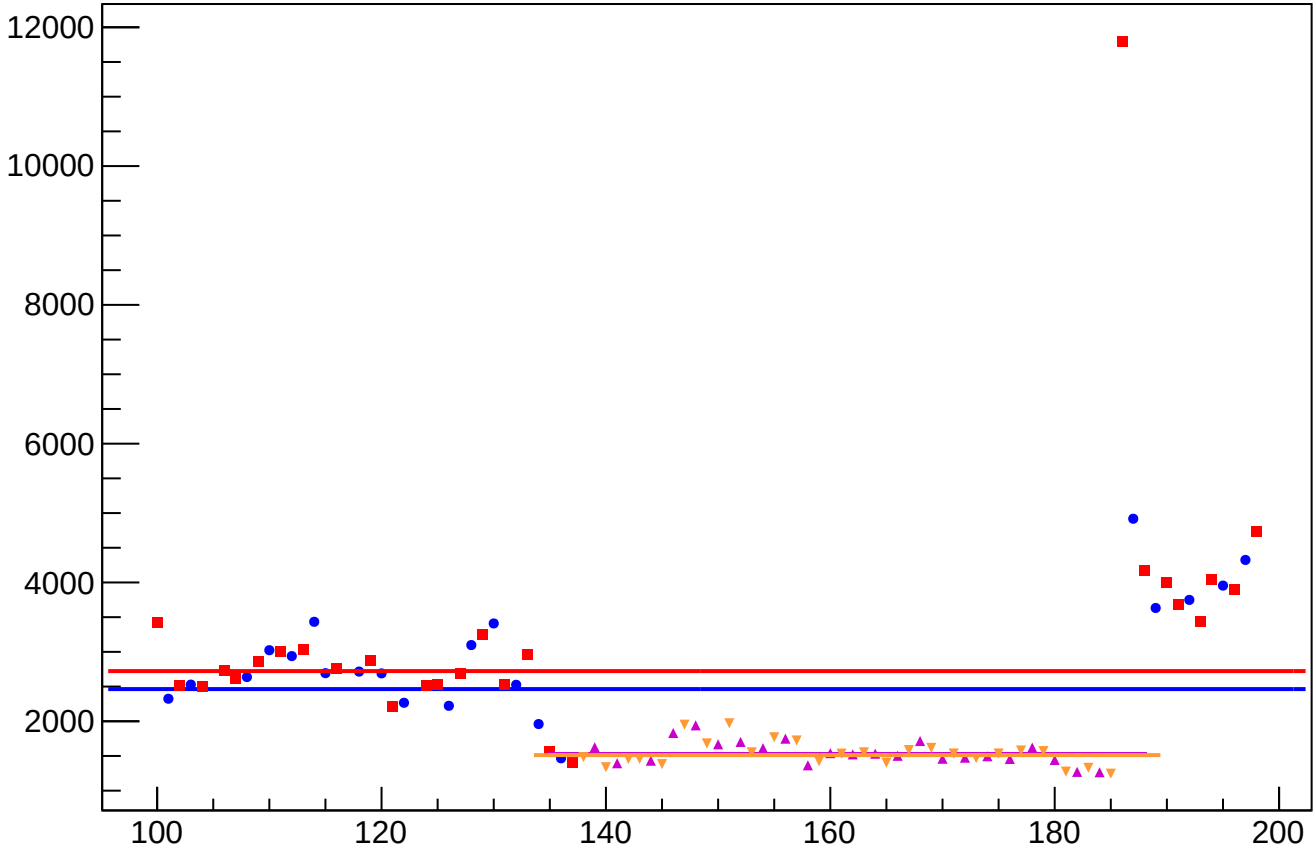
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -909.097+/-317.733 χ^2/NDF: 58.3/45

All: -535.533+/-228.267 χ^2/NDF: 121.1/95

- sign -137.059+/-328.155 χ^2/NDF: 60.0/49

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2463.615+/-0.564 χ^2/NDF: 2080098.0/20

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2723.087+/-0.570 χ^2/NDF: 2580136.1/26

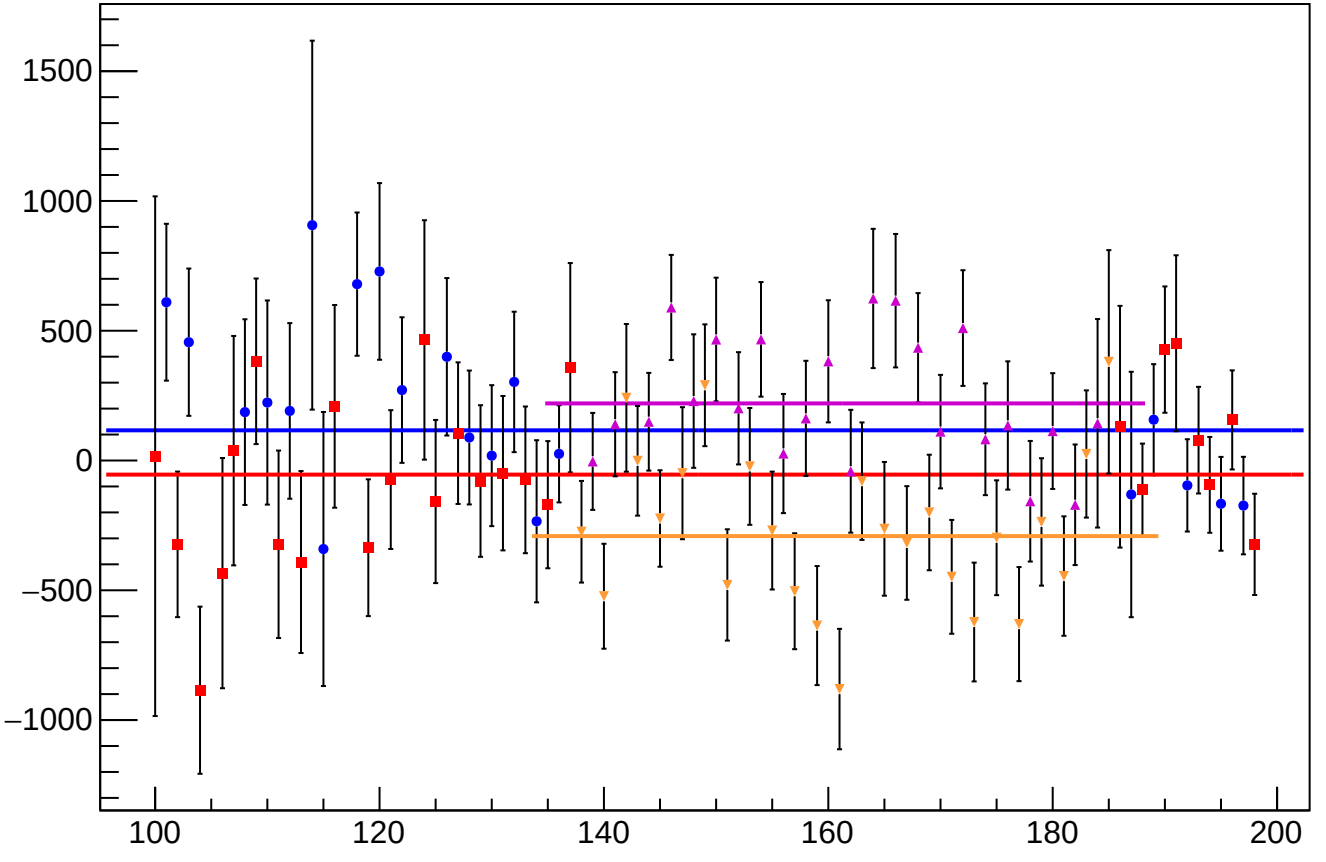
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1663.186+/-0.225 χ^2/NDF: 4914272.8/45

All: 1693.571+/-0.161 χ^2/NDF: 11573111.0/9

- sign 1725.982+/-0.232 χ^2/NDF: 6621036.8/49

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 116.286+/-58.198 χ^2/NDF: 23.5/20

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -54.357+/-53.484 χ^2/NDF: 26.3/26

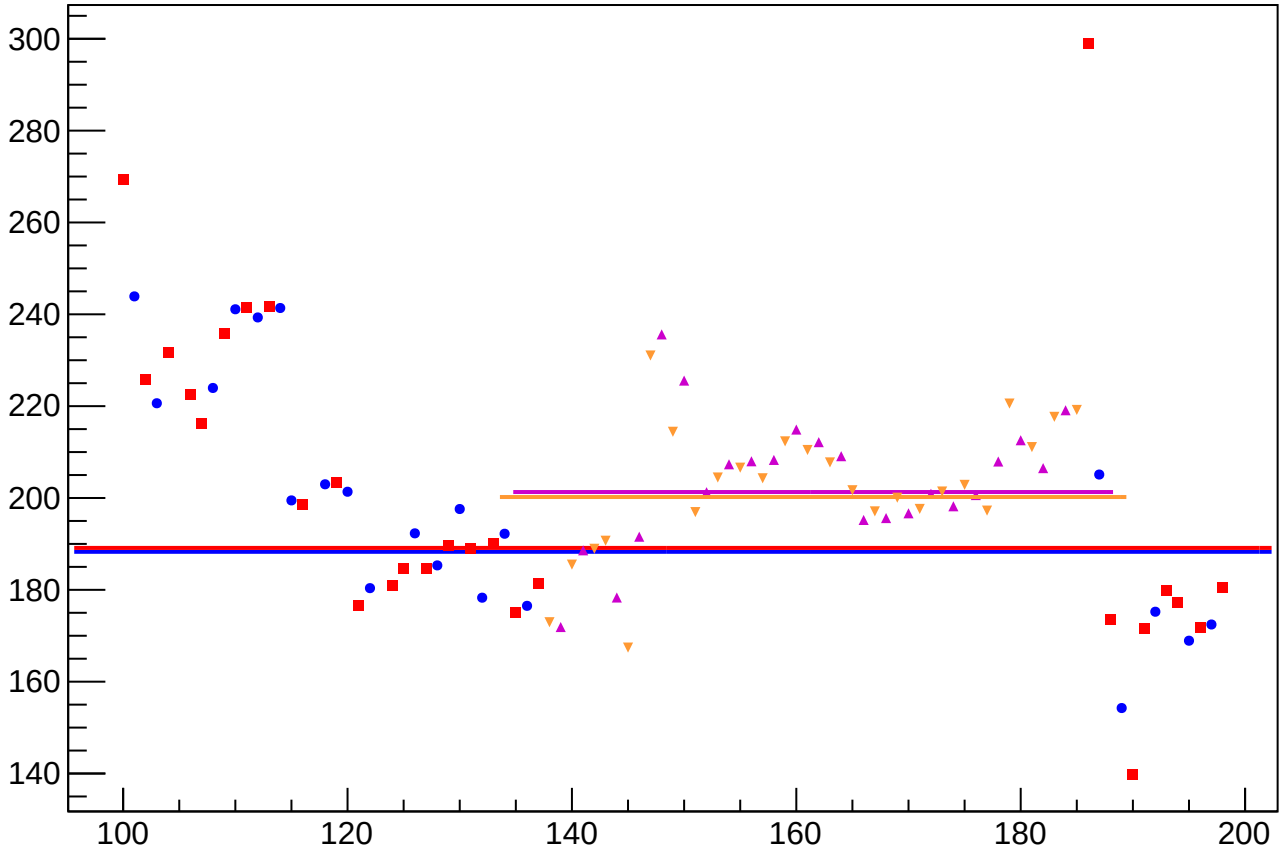
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -136.208+/-35.901 χ^2/NDF: 90.3/45

All: -16.322+/-25.195 χ^2/NDF: 177.1/95

- sign 100.024+/-35.367 χ^2/NDF: 64.8/49

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 188.282+/-0.041 χ^2/NDF: 332478.9/20

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

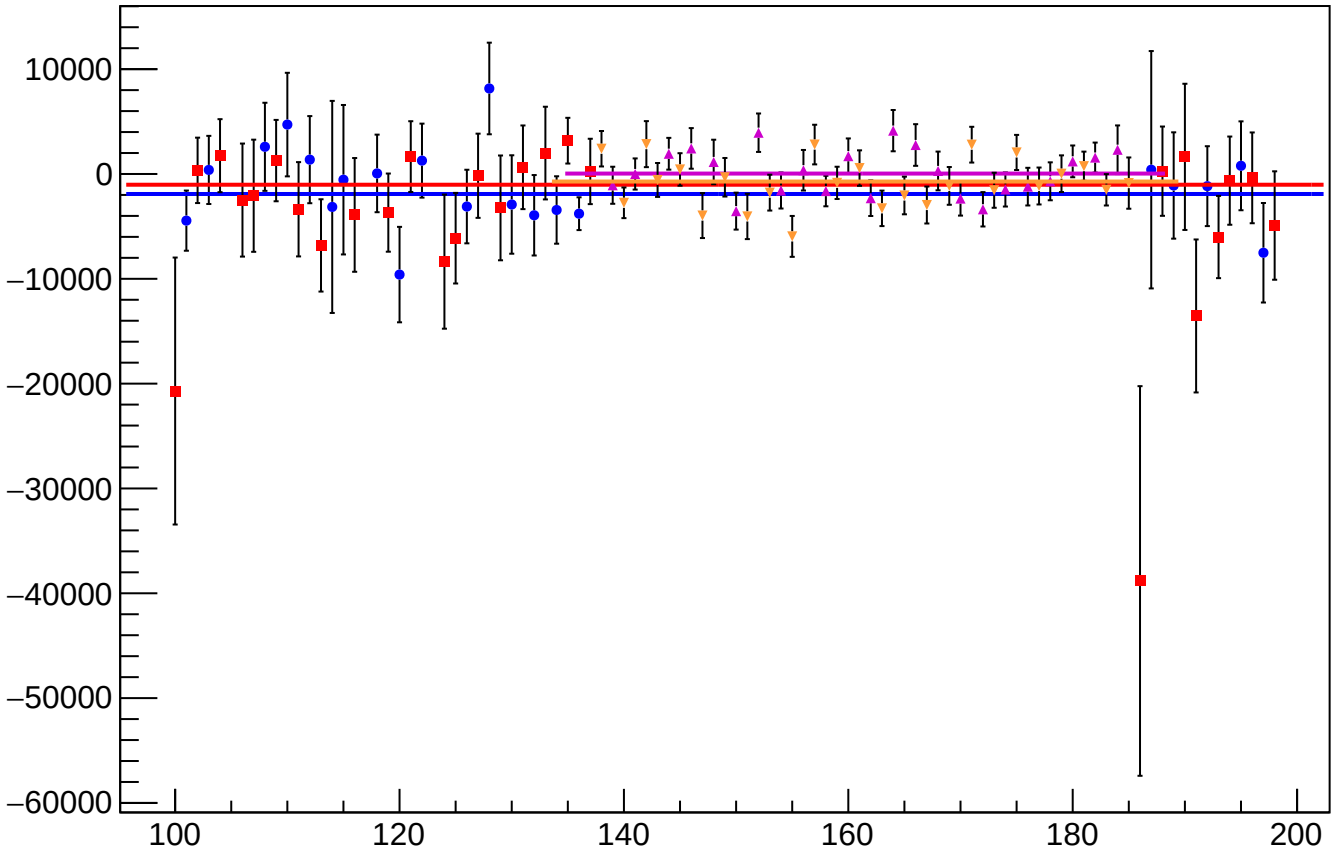
Right Out: 189.129+/-0.038 χ^2/NDF: 497453.5/26

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 195.671+/-0.025 χ^2/NDF: 588916.3/45

All: 195.826+/-0.018 χ^2/NDF: 1326344.3/95

\- sign 195.977+/-0.025 χ^2/NDF: 737354.3/49



Right In: -1908.922+/-797.954 χ^2/NDF: 18.2/20

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1024.973+/-806.182 χ^2/NDF: 24.1/26

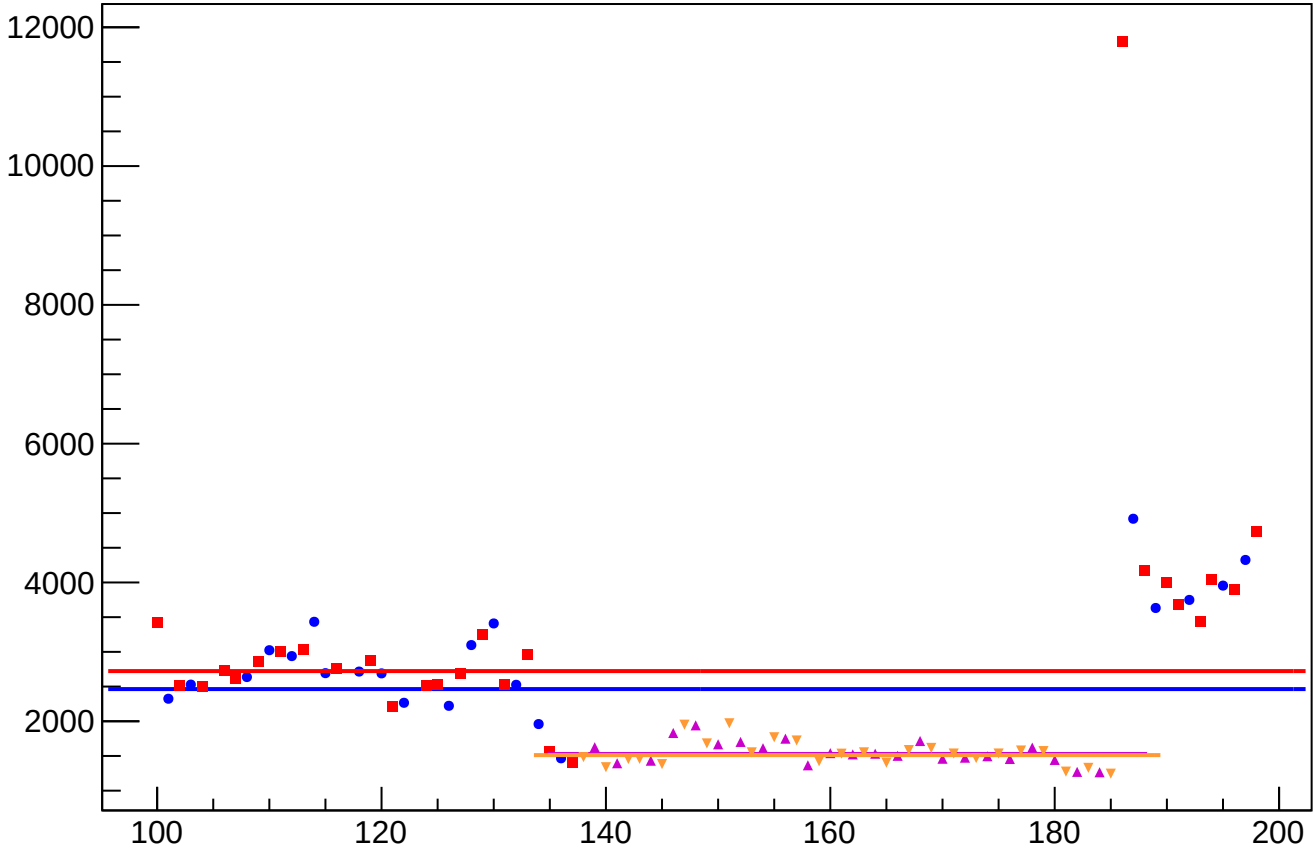
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -909.097+/-317.733 χ^2/NDF: 58.3/45

All: -535.533+/-228.267 χ^2/NDF: 121.1/95

- sign -137.059+/-328.155 χ^2/NDF: 60.0/49

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2463.615+/-0.564 χ^2/NDF: 2080098.0/20

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2723.087+/-0.570 χ^2/NDF: 2580136.1/26

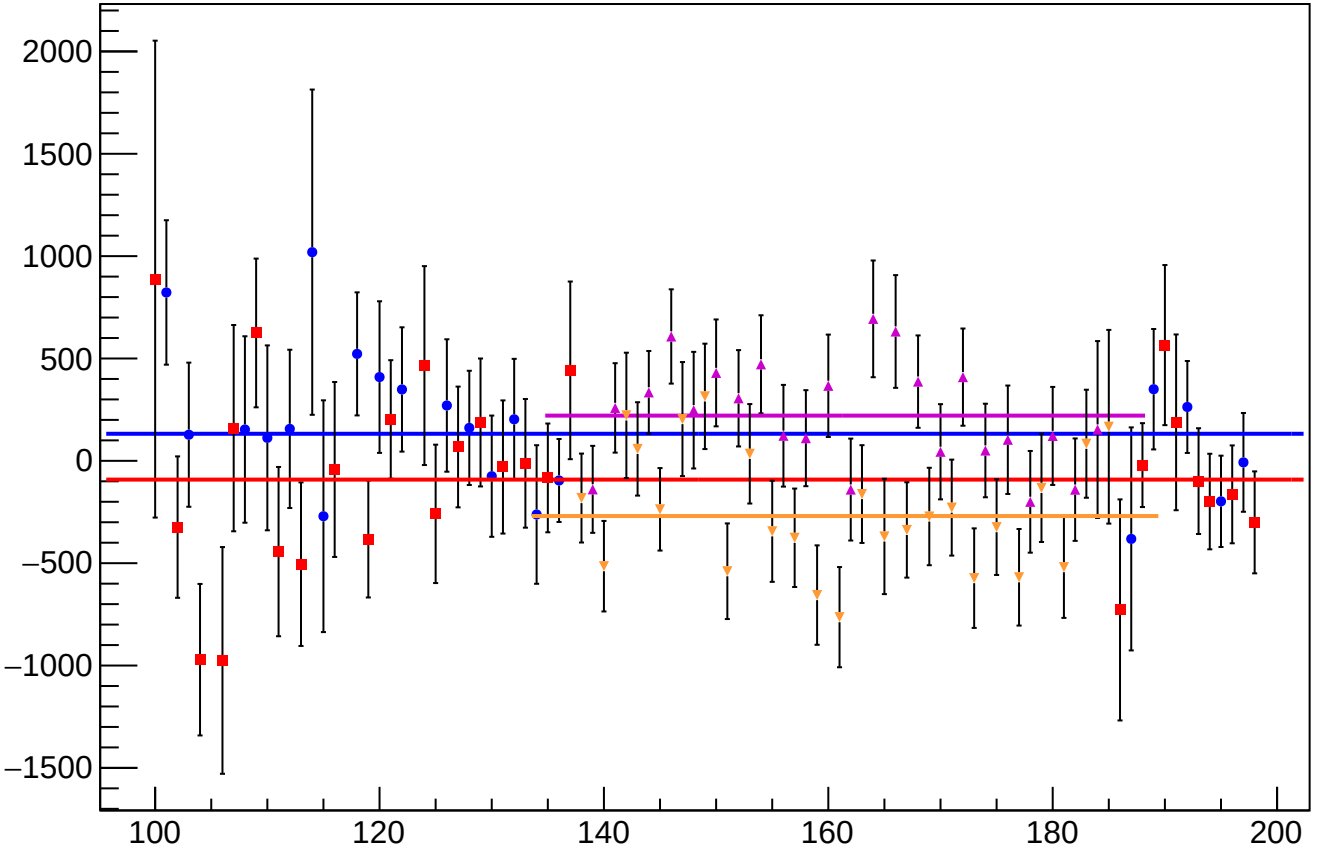
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1663.186+/-0.225 χ^2/NDF: 4914272.8/45

All: 1693.571+/-0.161 χ^2/NDF: 11573111.0/9

- sign 1725.982+/-0.232 χ^2/NDF: 6621036.8/49

dit_asym_sam_26_dd_mean vs Slug



Right In: 132.225+/-67.921 χ^2/NDF: 16.0/20

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -91.637+/-62.880 χ^2/NDF: 27.4/26

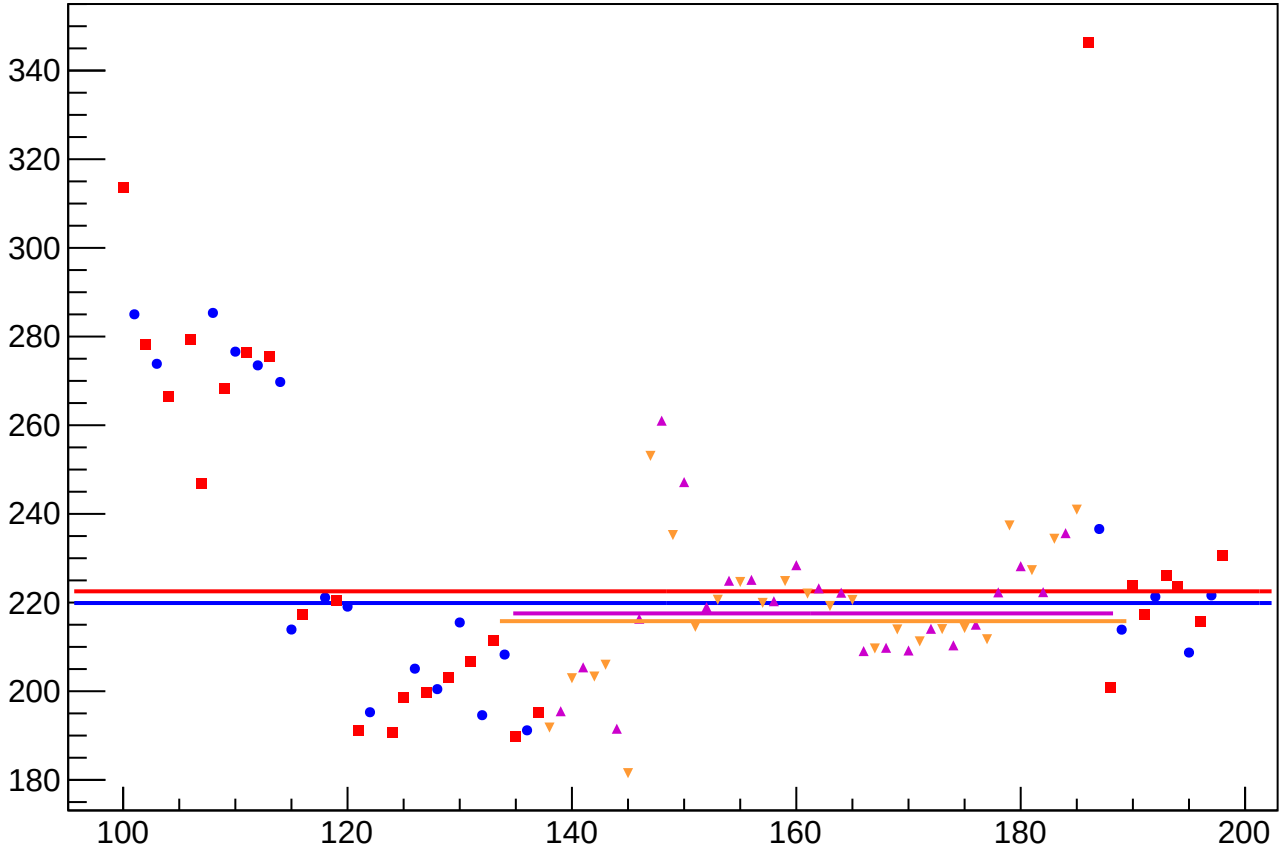
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -131.524+/-39.822 χ^2/NDF: 70.5/45

All: -16.575+/-28.076 χ^2/NDF: 152.7/95

- sign 97.030+/-39.589 χ^2/NDF: 65.7/49

dit_asym_sam_26_dd_rms vs Slug



Right In: 219.896+/-0.048 χ^2/NDF: 327063.5/20

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

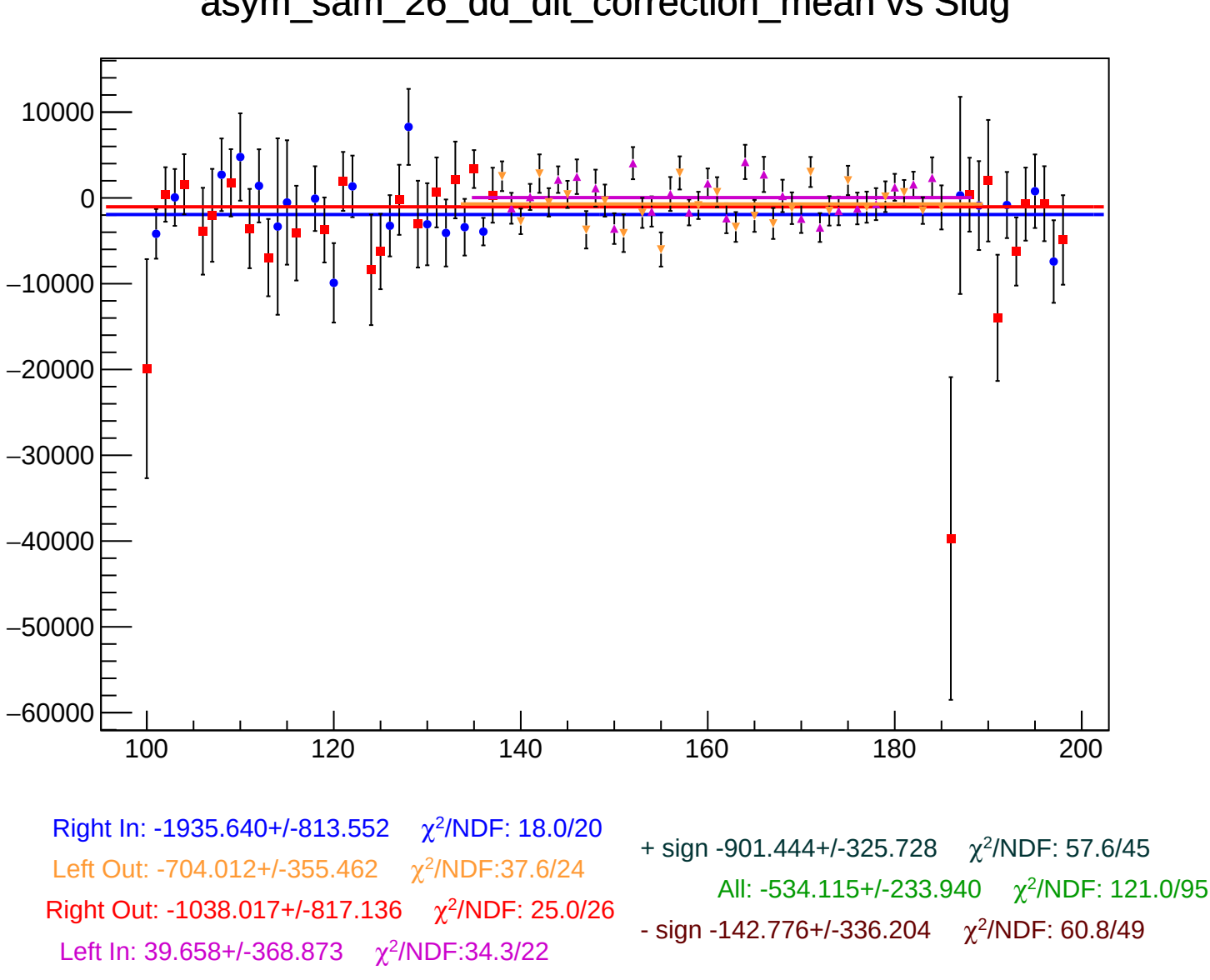
Right Out: 222.534+/-0.044 χ^2/NDF: 459012.5/26

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

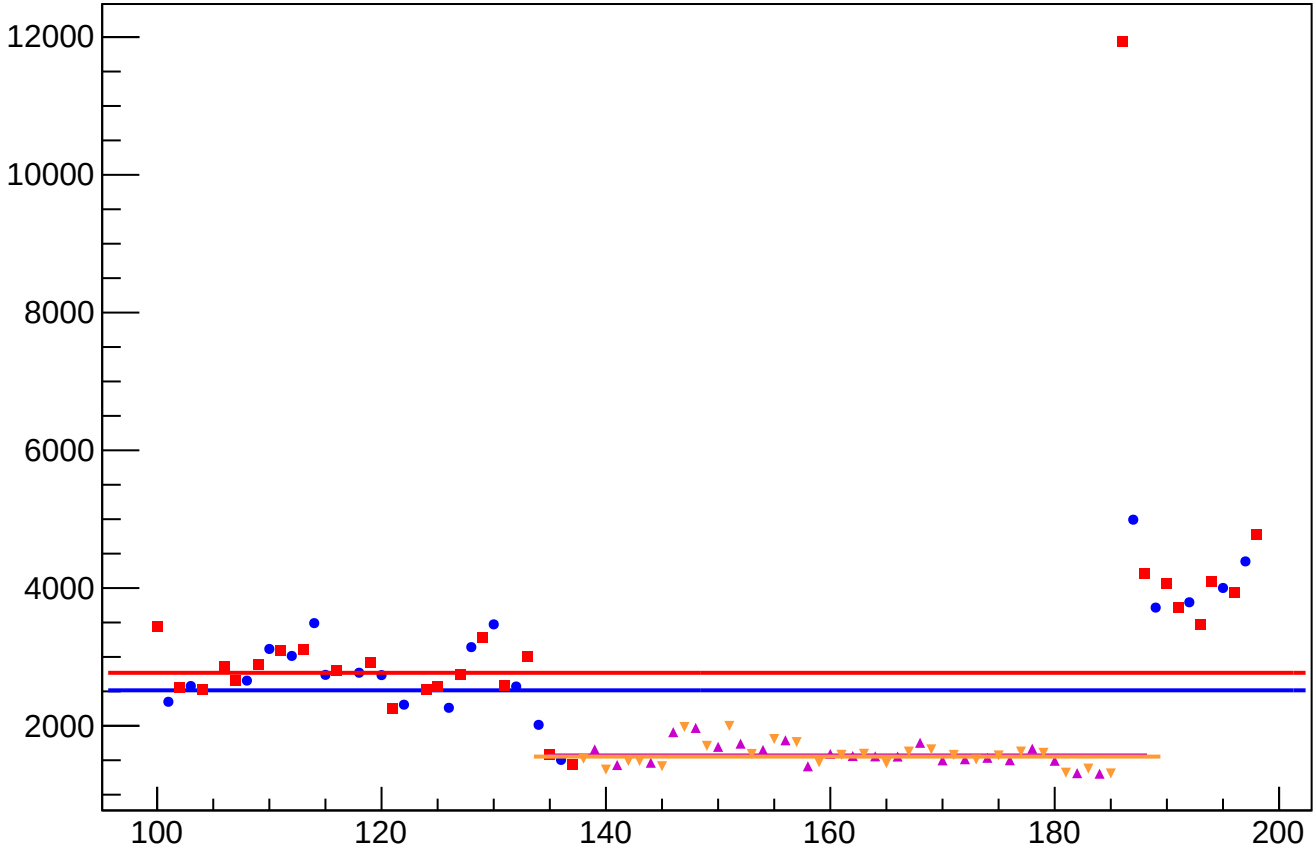
+ sign 217.212+/-0.028 χ^2/NDF: 520520.6/45

All: 218.377+/-0.020 χ^2/NDF: 1151574.1/95

- sign 219.529+/-0.028 χ^2/NDF: 627650.3/49


asym_sam_26_dd_dit_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
120
140
160
180
200
Right In: -1935.640+/-813.552 χ²/NDF: 18.0/20
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: -1038.017+/-817.136 χ²/NDF: 25.0/26
Left In: 39.658+/-368.873 χ²/NDF:34.3/22
+ sign -901.444+/-325.728 χ²/NDF: 57.6/45
All: -534.115+/-233.940 χ²/NDF: 121.0/95
- sign -142.776+/-336.204 χ²/NDF: 60.8/49

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2515.145+/-0.575 χ^2/NDF: 2038571.5/20

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2769.542+/-0.578 χ^2/NDF: 2551787.5/26

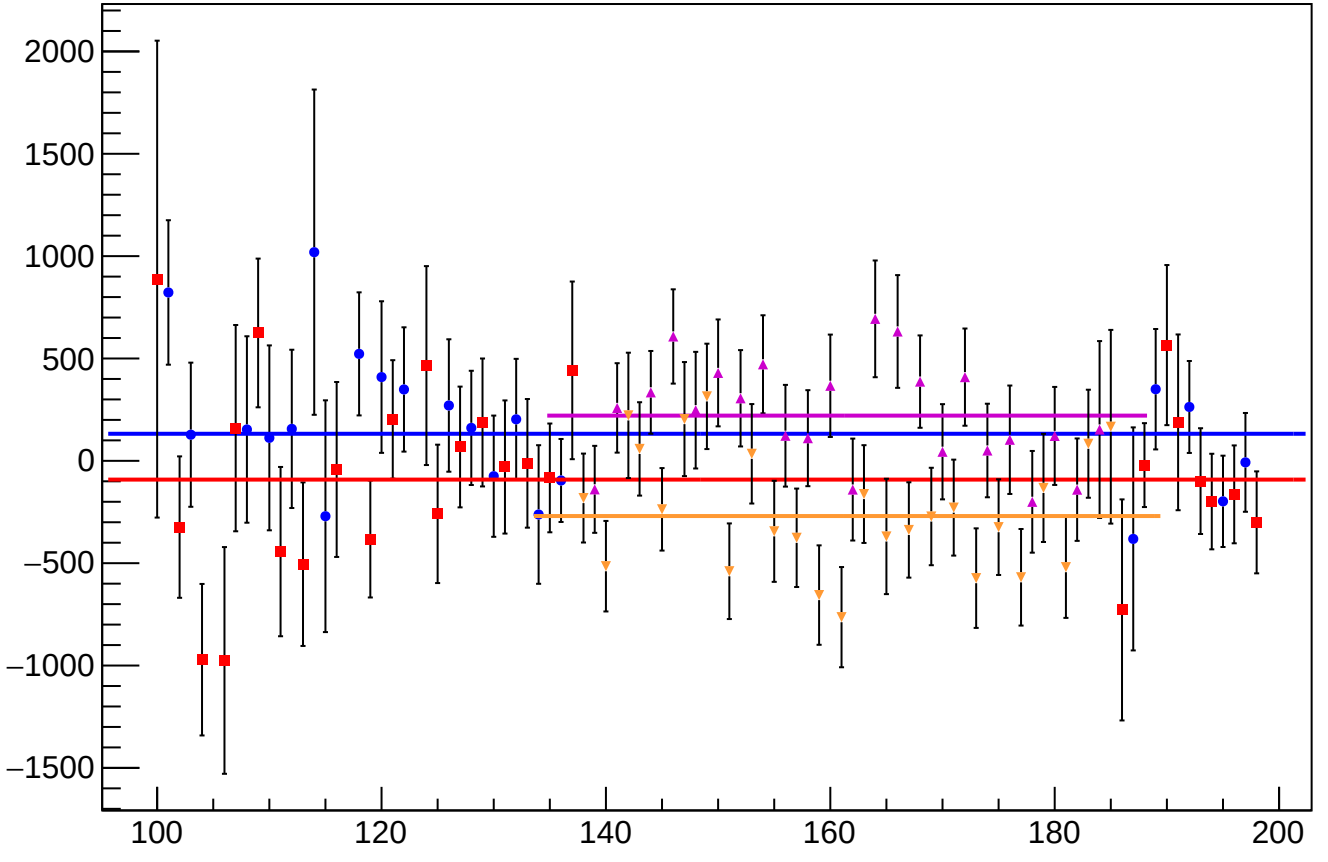
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1707.250+/-0.230 χ^2/NDF: 4797307.1/45

All: 1738.868+/-0.165 χ^2/NDF: 11329523.7/9

- sign 1772.552+/-0.238 χ^2/NDF: 6493296.0/49

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 132.227+/-67.921 χ^2/NDF: 16.0/20

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -91.638+/-62.880 χ^2/NDF: 27.4/26

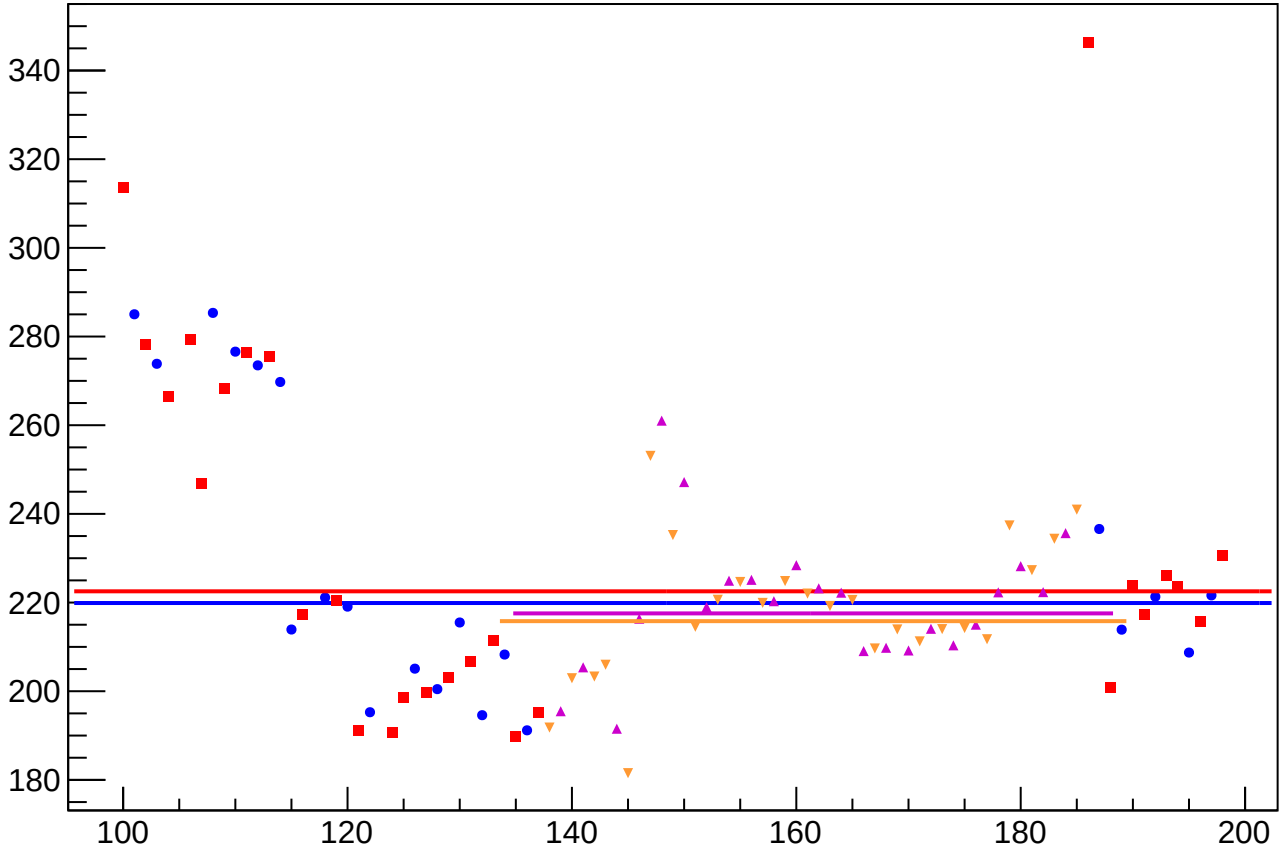
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -131.523+/-39.822 χ^2/NDF: 70.5/45

All: -16.575+/-28.076 χ^2/NDF: 152.7/95

- sign 97.030+/-39.589 χ^2/NDF: 65.7/49

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 219.895+/-0.048 χ^2/NDF: 327057.0/20

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

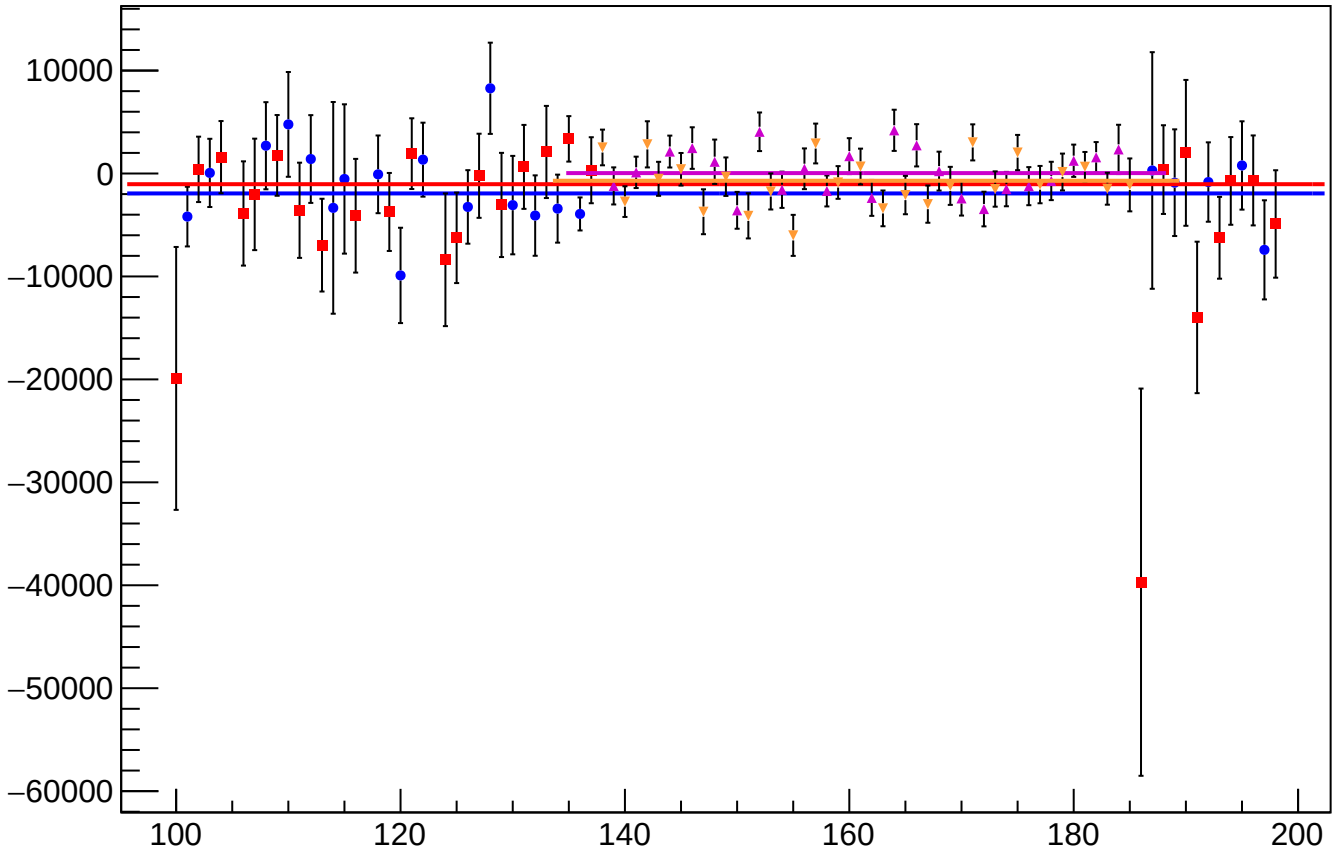
Right Out: 222.534+/-0.044 χ^2/NDF: 458997.6/26

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.212+/-0.028 χ^2/NDF: 520516.7/45

All: 218.377+/-0.020 χ^2/NDF: 1151556.8/95

- sign 219.528+/-0.028 χ^2/NDF: 627636.8/49



Right In: -1935.636+/-813.551 χ^2/NDF: 18.0/20

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1038.017+/-817.135 χ^2/NDF: 25.0/26

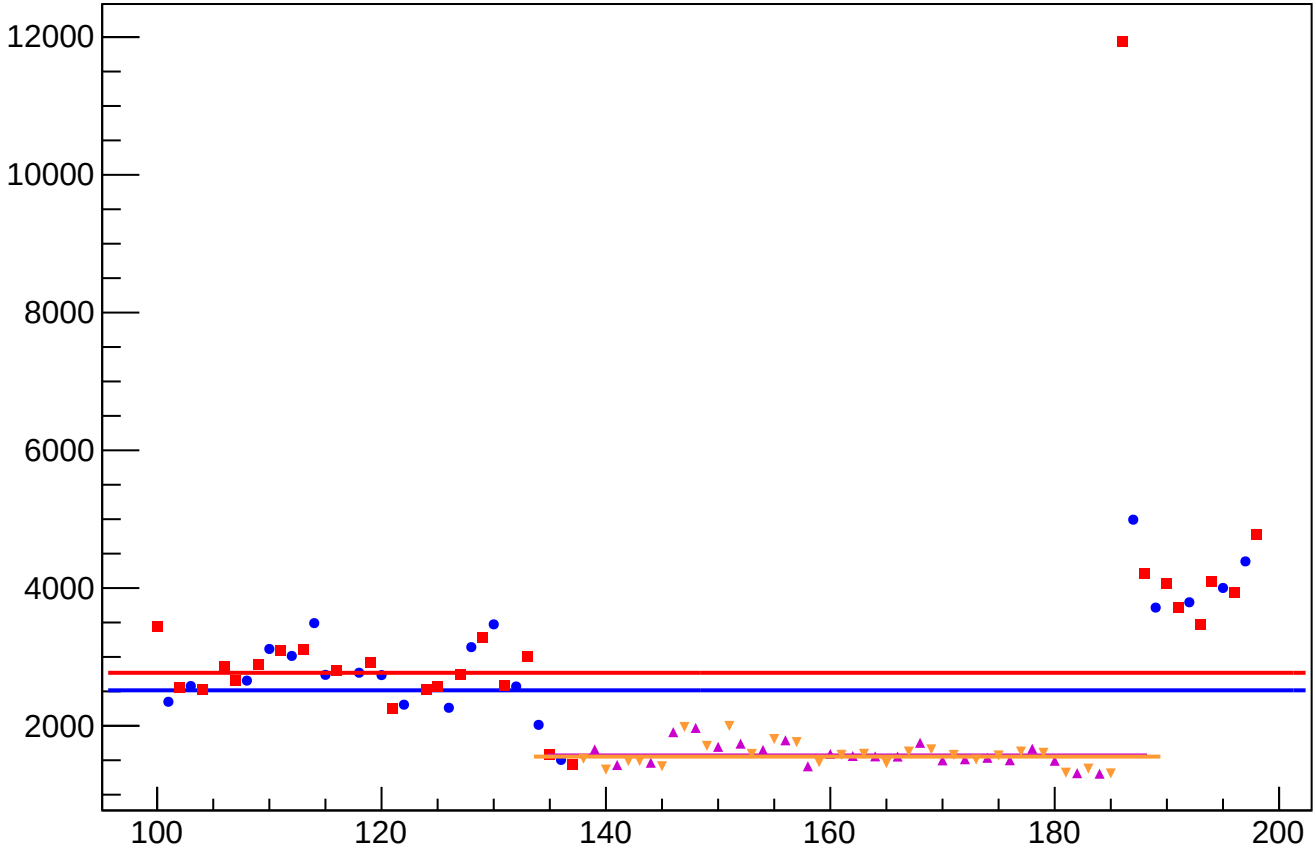
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -901.444+/-325.728 χ^2/NDF: 57.6/45

All: -534.116+/-233.940 χ^2/NDF: 121.0/95

- sign -142.778+/-336.204 χ^2/NDF: 60.8/49

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2515.142+/-0.575 χ^2/NDF: 2038565.6/20

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2769.538+/-0.578 χ^2/NDF: 2551788.3/26

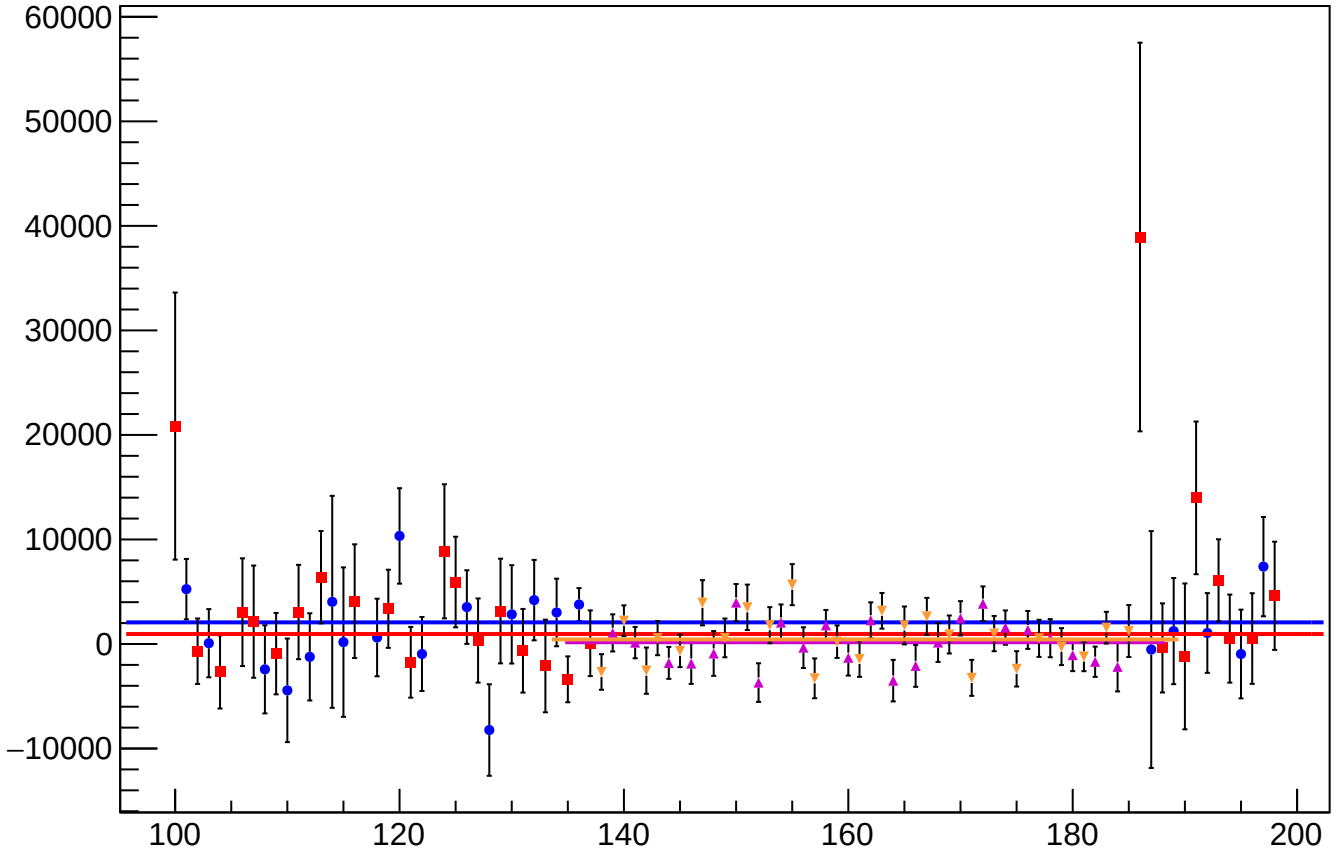
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1707.250+/-0.230 χ^2/NDF: 4797292.5/45

All: 1738.868+/-0.165 χ^2/NDF: 11329497.5/9

- sign 1772.552+/-0.238 χ^2/NDF: 6493284.9/49

asym_sam_26_dd_mean vs Slug



Right In: 2069.121+/-801.424 χ^2/NDF: 18.6/20

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 952.977+/-808.057 χ^2/NDF: 24.8/26

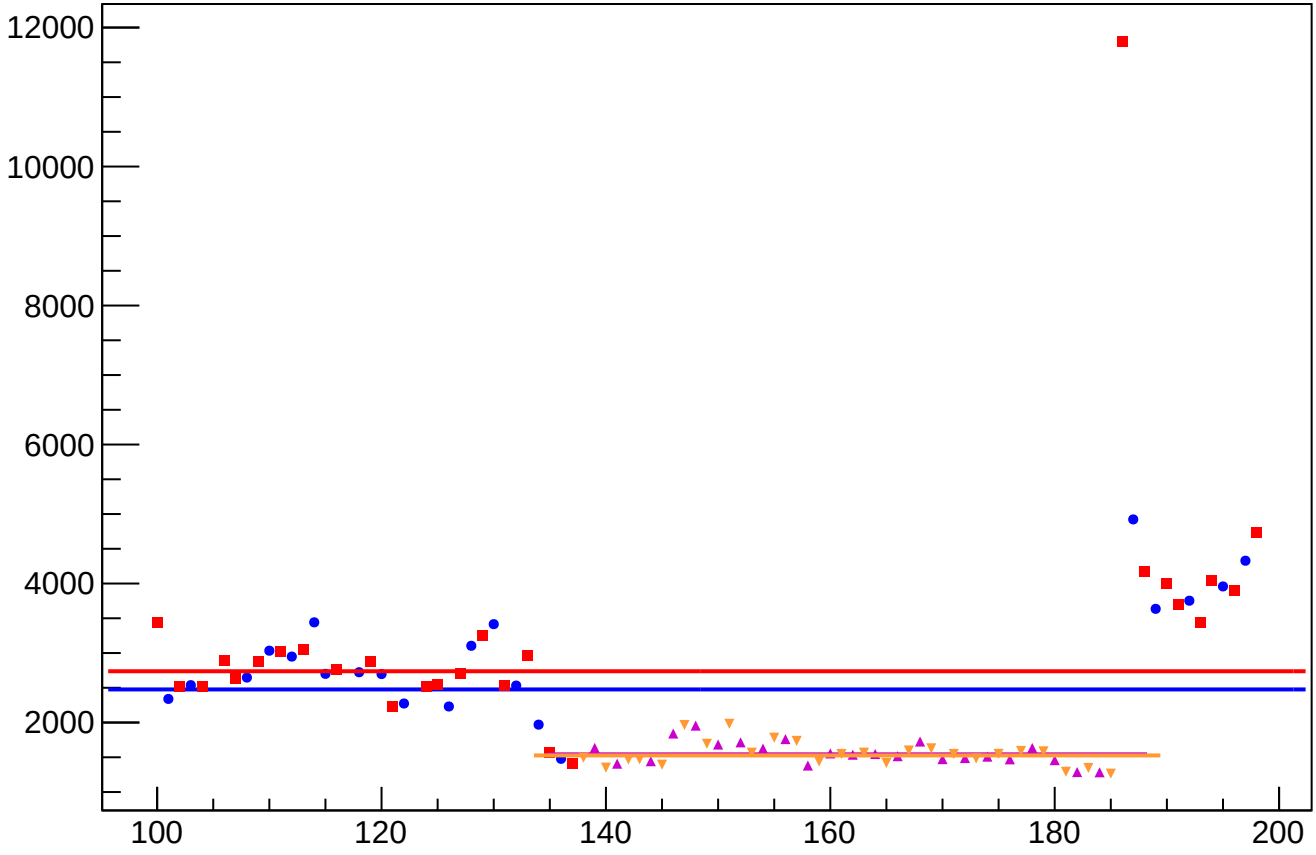
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

\+ sign 698.341+/-320.424 χ^2/NDF: 60.9/45

All: 506.018+/-230.149 χ^2/NDF: 120.2/95

\- sign 301.061+/-330.782 χ^2/NDF: 58.6/49

asym_sam_26_dd_rms vs Slug



Right In: 2476.247+/-0.567 χ^2/NDF: 2052109.8/20

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2737.903+/-0.571 χ^2/NDF: 2555169.5/26

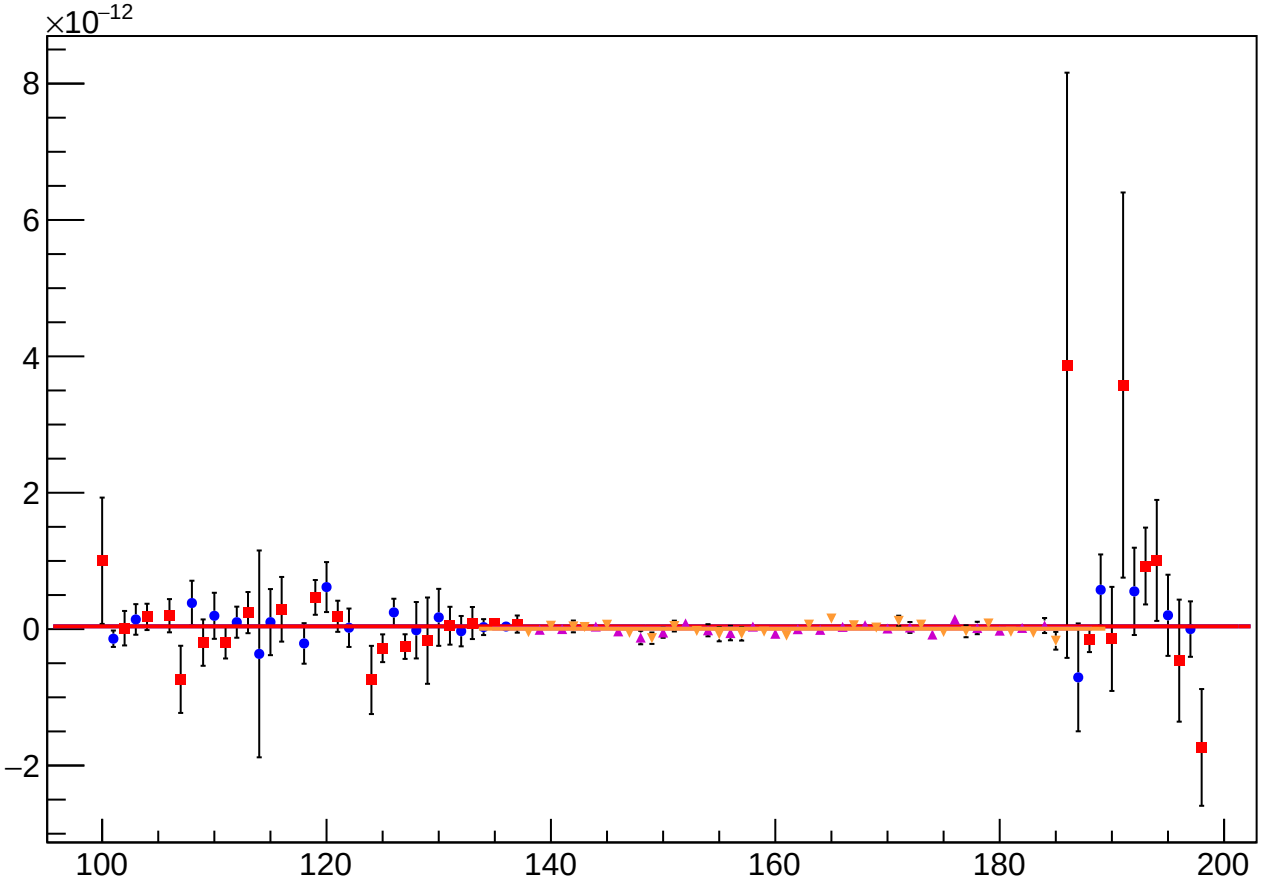
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1678.511+/-0.227 χ^2/NDF: 4840258.4/45

All: 1709.545+/-0.163 χ^2/NDF: 11441448.4/9

- sign 1742.617+/-0.234 χ^2/NDF: 6562436.8/49

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/26

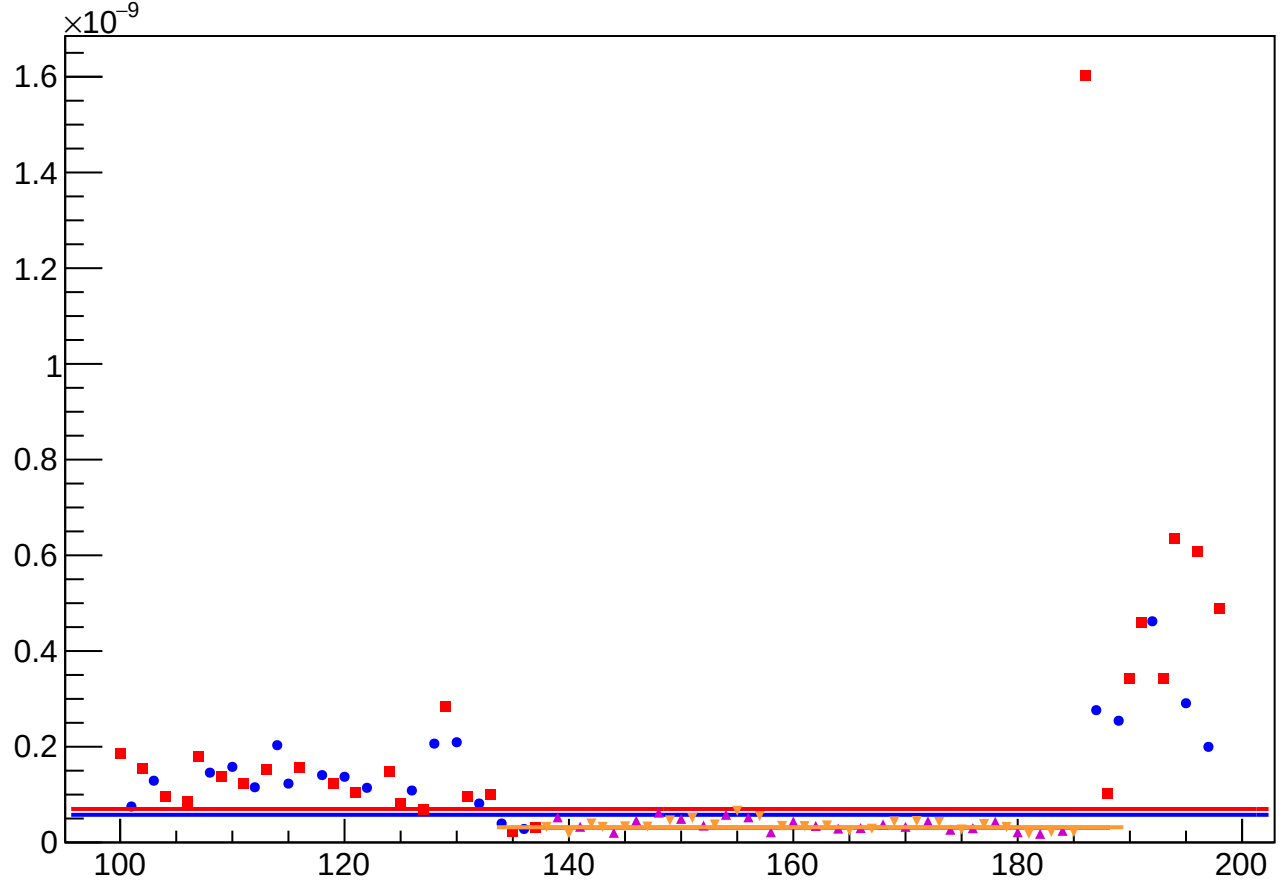
Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.8/45

All: 0.000+/-0.000 χ^2/NDF: 90.2/95

- sign 0.000+/-0.000 χ^2/NDF: 47.5/49

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4399130.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5578773.1/26

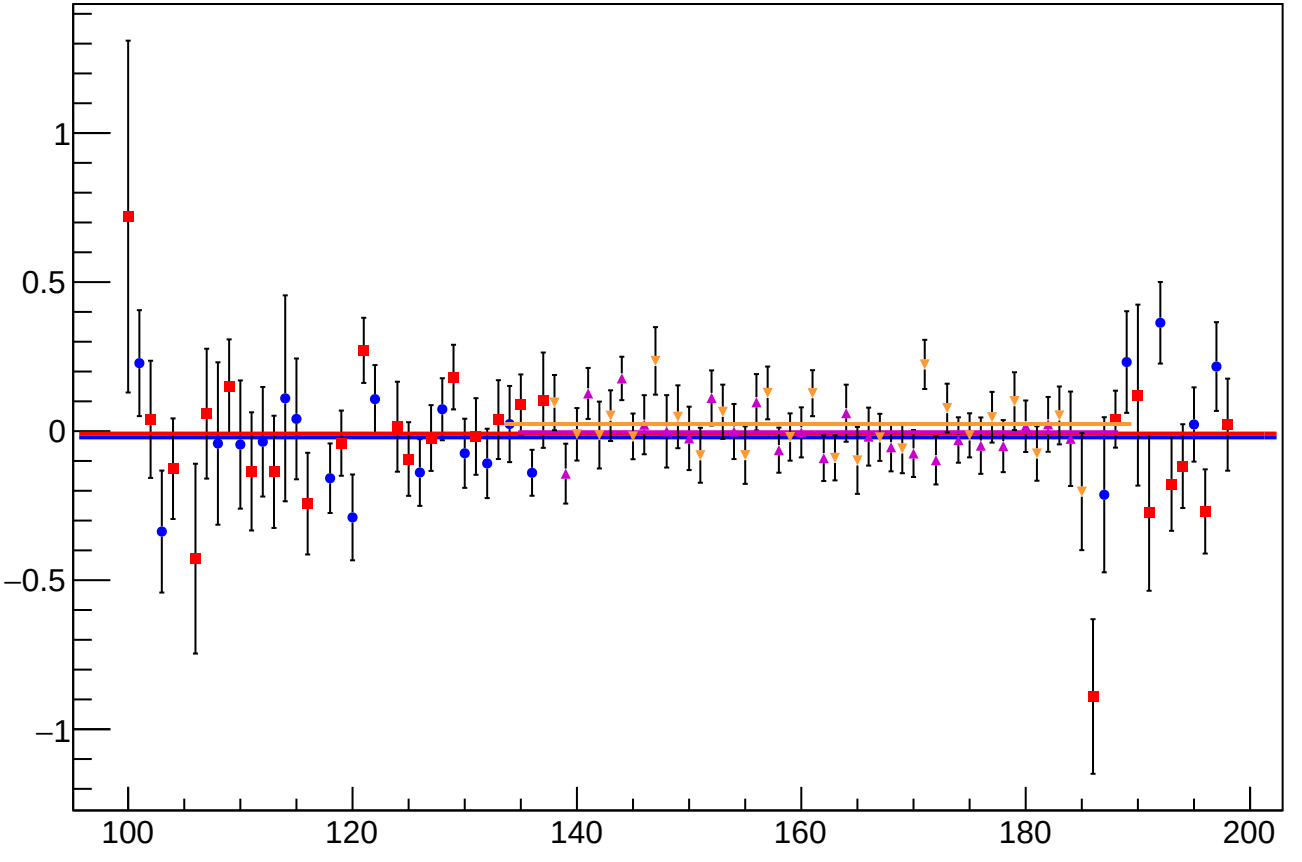
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6566533.8/45

All: 0.000+/-0.000 χ^2/NDF: 15323068.5/95

- sign 0.000+/-0.000 χ^2/NDF: 8756102.4/49

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.008+/-0.028 χ^2/NDF: 37.7/26

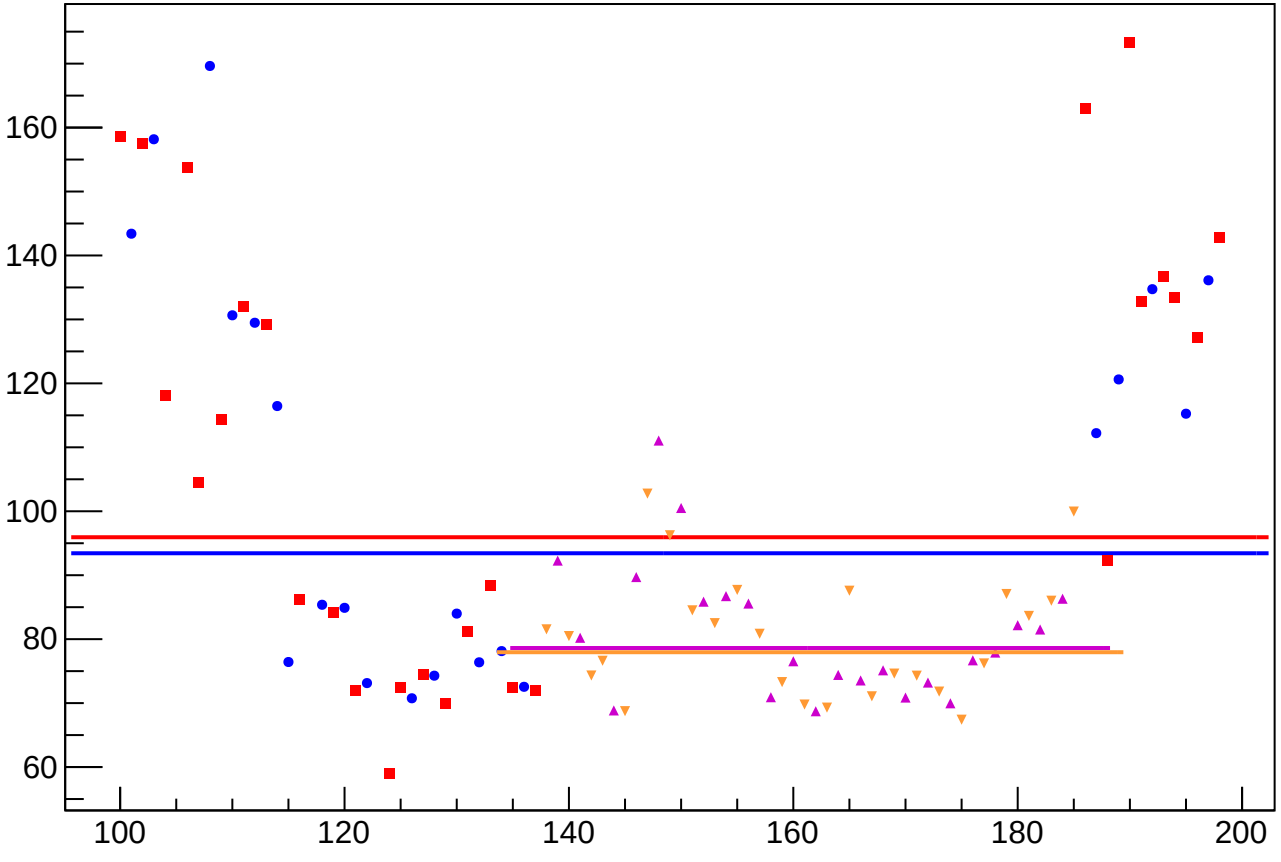
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/45

All: 0.004+/-0.011 χ^2/NDF: 113.6/95

- sign -0.005+/-0.016 χ^2/NDF: 56.5/49

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 93.433+/-0.021 χ^2/NDF: 1605193.5/20

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

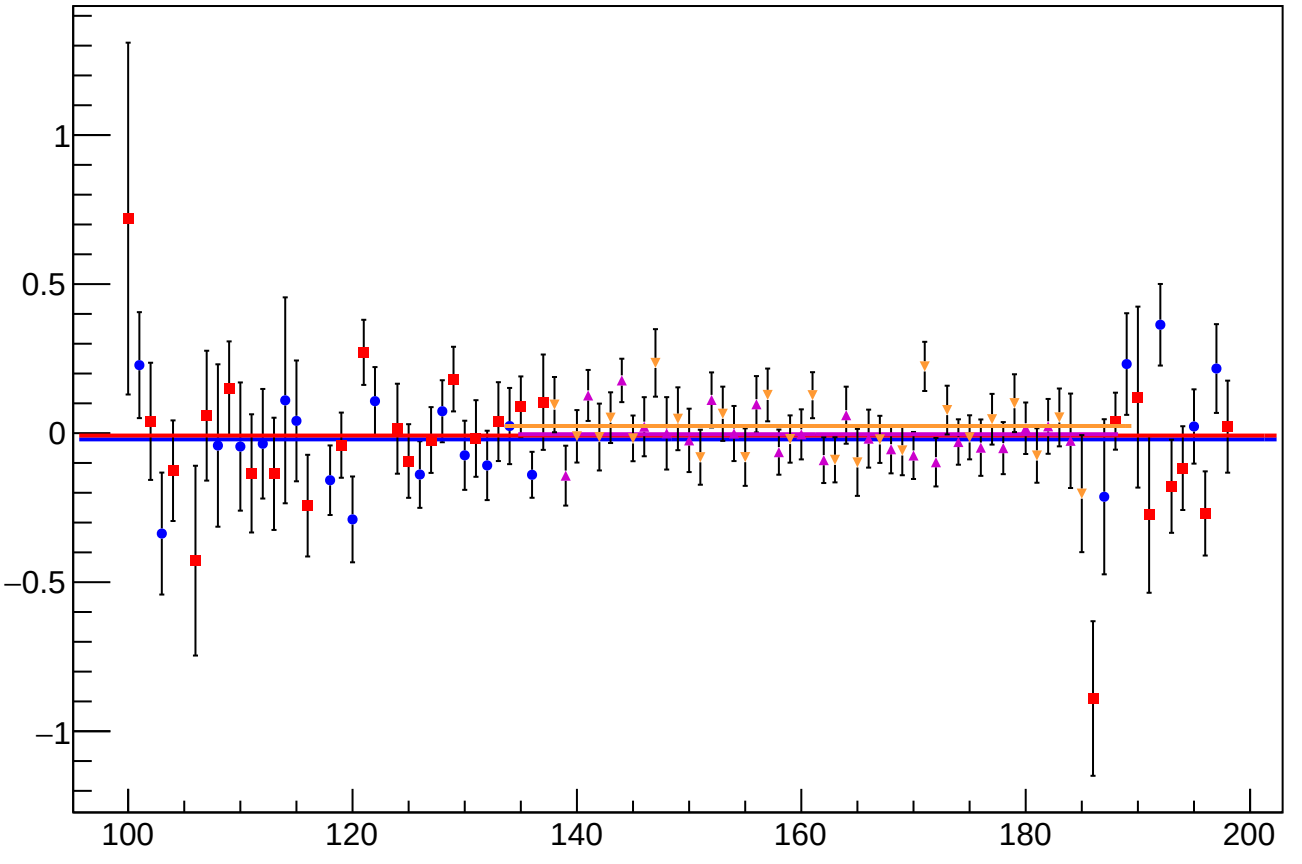
Right Out: 95.938+/-0.020 χ^2/NDF: 2037165.7/26

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 82.012+/-0.011 χ^2/NDF: 2438504.2/45

All: 82.917+/-0.008 χ^2/NDF: 5513003.6/95

- sign 83.842+/-0.011 χ^2/NDF: 3060424.6/49



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

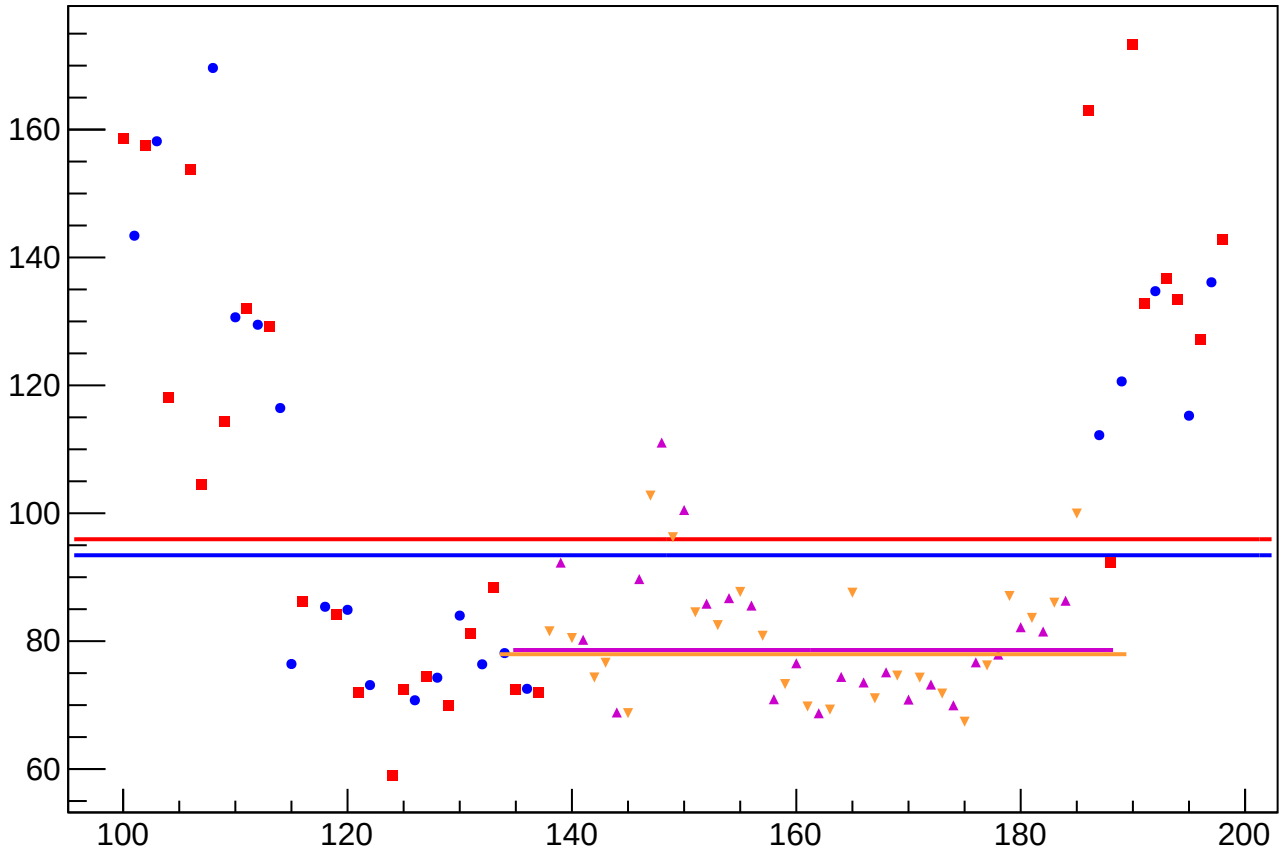
Right Out: -0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/45

All: 0.004+/-0.011 χ^2/NDF: 113.6/95

- sign -0.005+/-0.016 χ^2/NDF: 56.5/49



Right In: 93.433+/-0.021 χ^2/NDF: 1605193.5/20

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

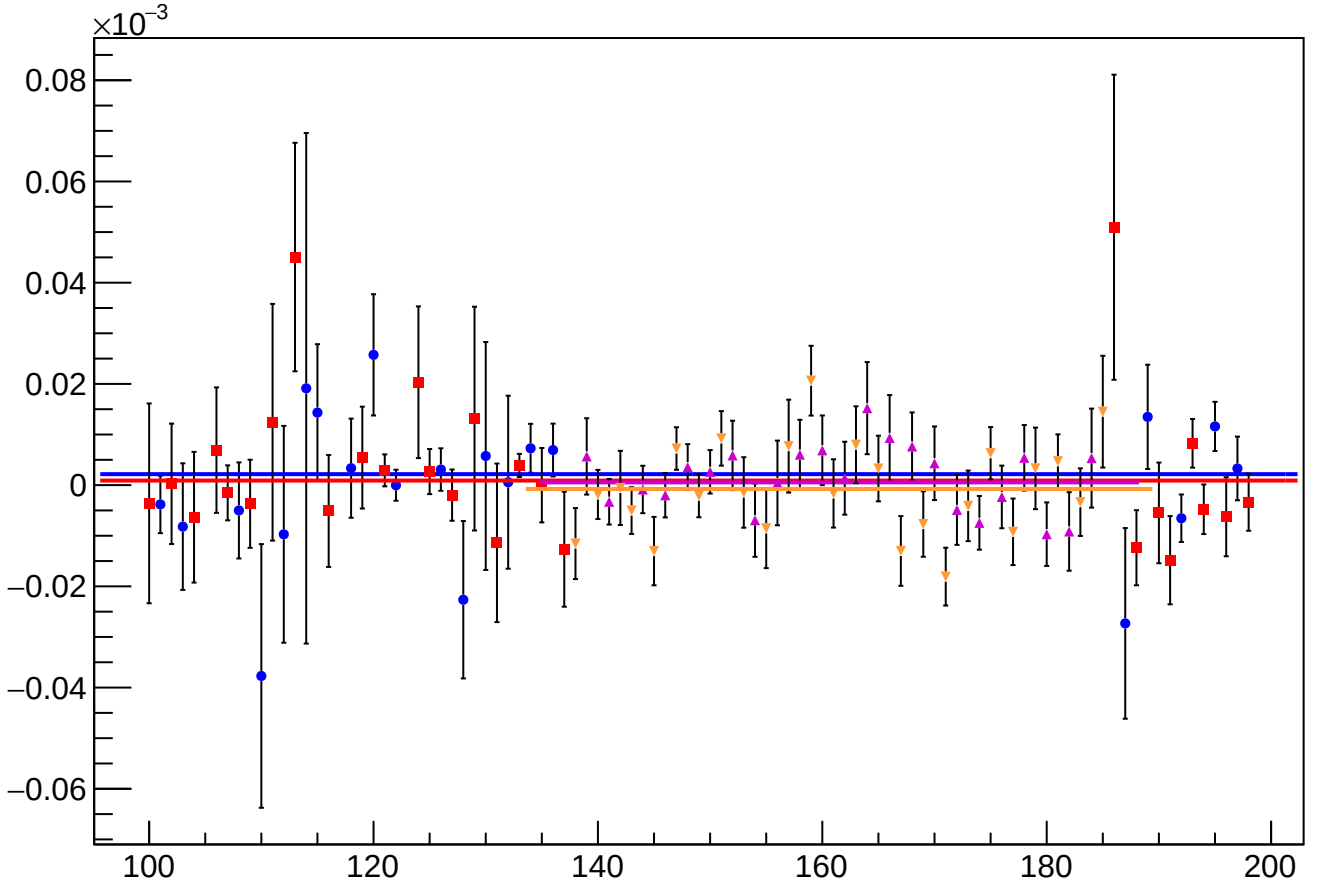
Right Out: 95.938+/-0.020 χ^2/NDF: 2037165.7/26

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 82.012+/-0.011 χ^2/NDF: 2438504.2/45

All: 82.917+/-0.008 χ^2/NDF: 5513003.6/95

- sign 83.842+/-0.011 χ^2/NDF: 3060424.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

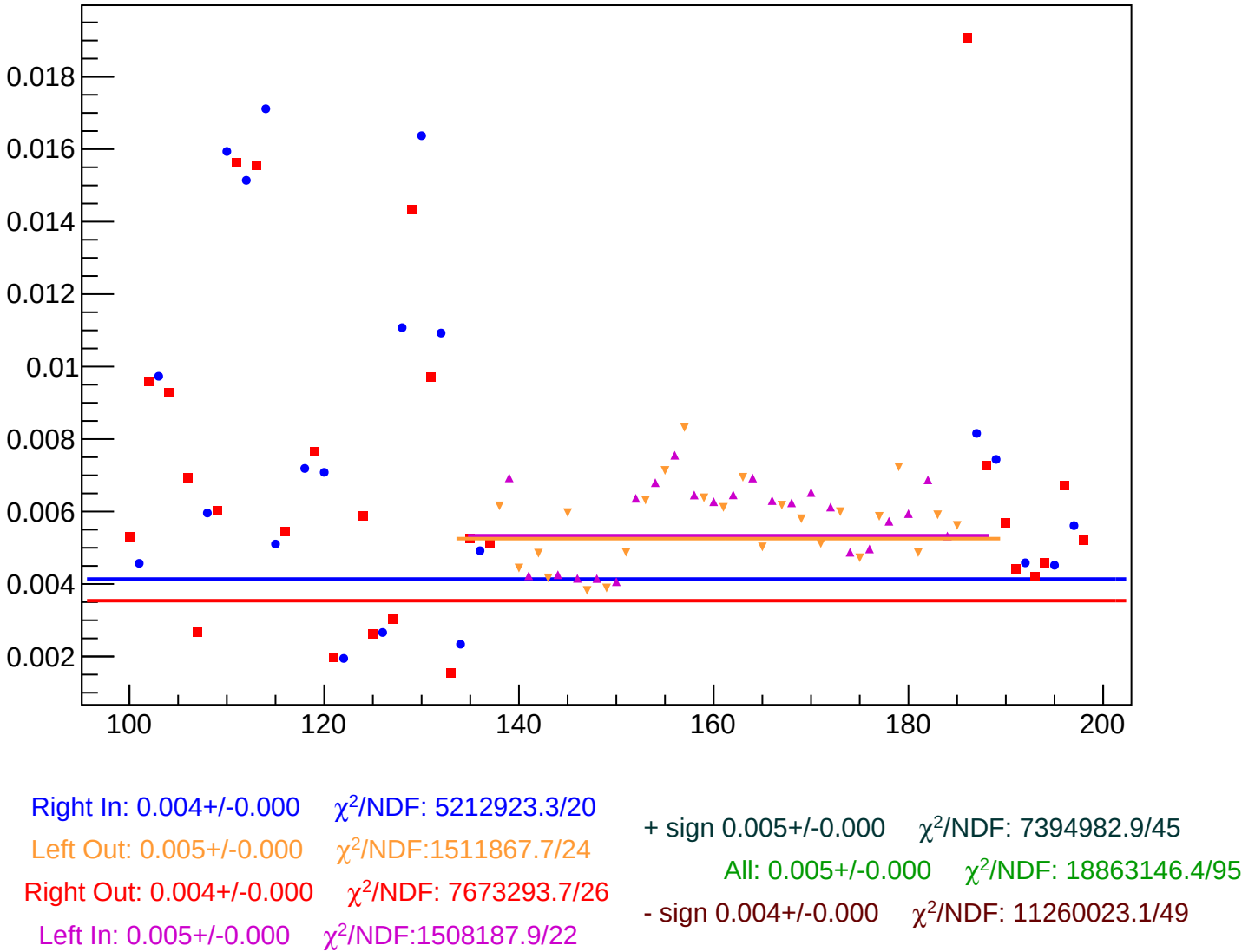
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/26

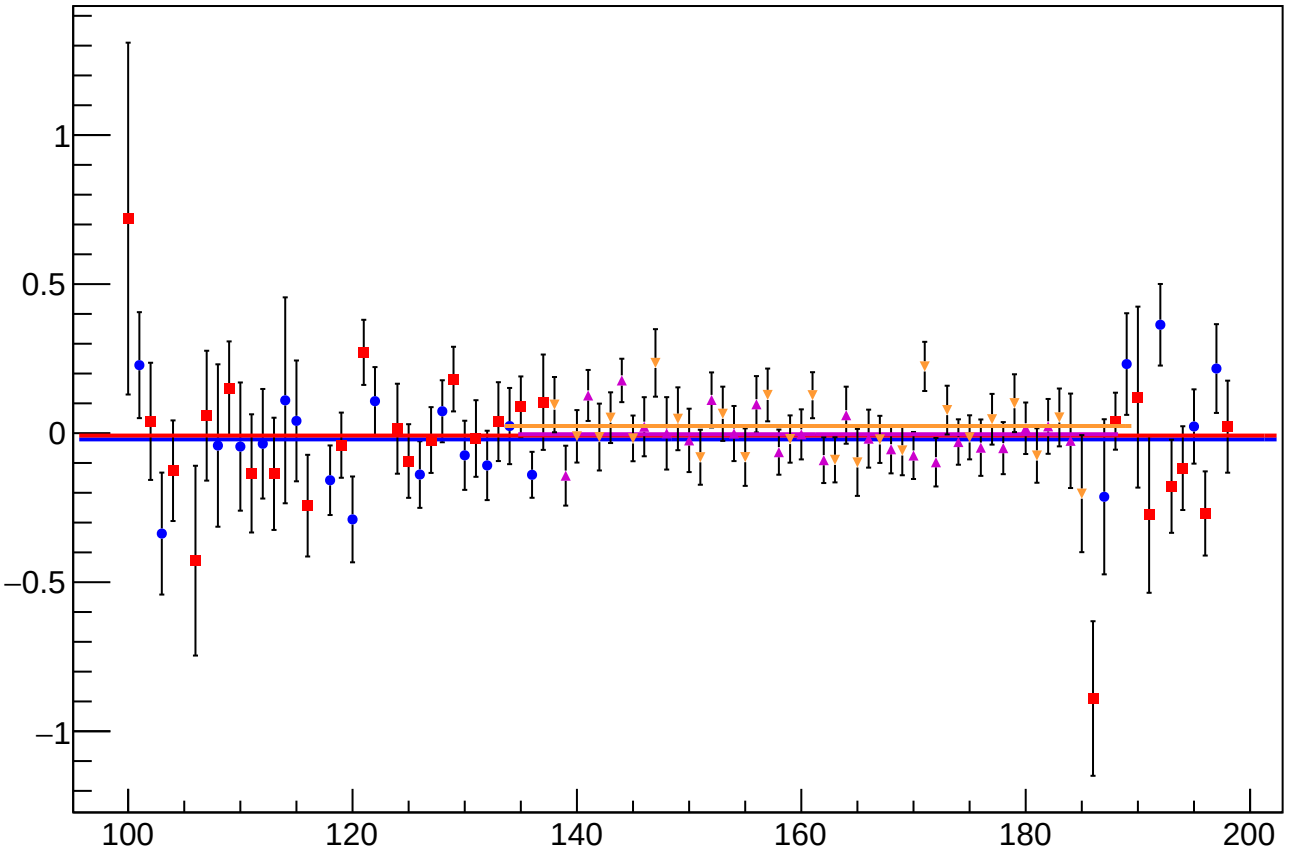
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.7/45

All: 0.000+/-0.000 χ^2/NDF: 121.4/95

- sign 0.000+/-0.000 χ^2/NDF: 45.7/49


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.004+/-0.000 χ²/NDF: 5212923.3/20
Left Out: 0.005+/-0.000 χ²/NDF:1511867.7/24
Right Out: 0.004+/-0.000 χ²/NDF: 7673293.7/26
Left In: 0.005+/-0.000 χ²/NDF:1508187.9/22
+ sign 0.005+/-0.000 χ²/NDF: 7394982.9/45
All: 0.005+/-0.000 χ²/NDF: 18863146.4/95
- sign 0.004+/-0.000 χ²/NDF: 11260023.1/49



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

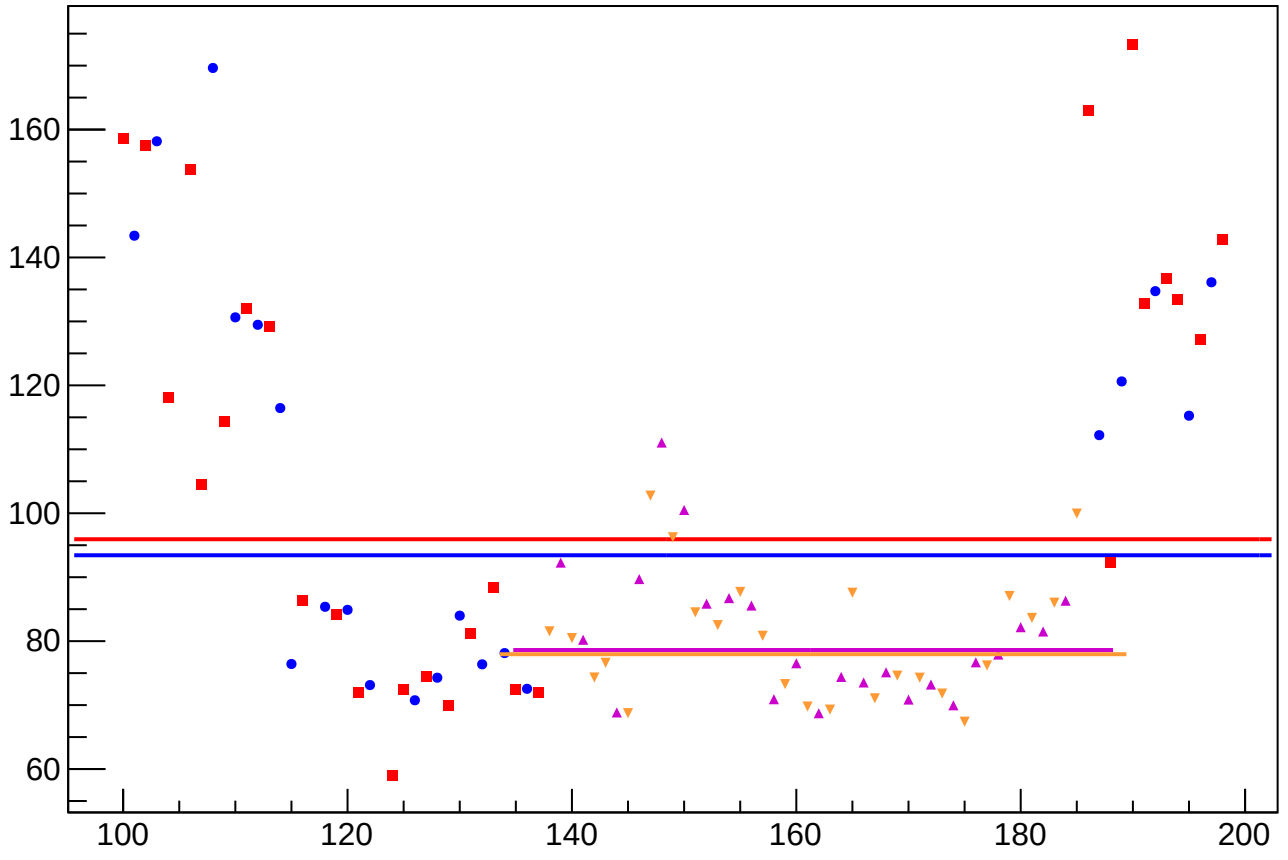
Right Out: -0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/45

All: 0.004+/-0.011 χ^2/NDF: 113.6/95

- sign -0.005+/-0.016 χ^2/NDF: 56.5/49



Right In: 93.430+/-0.021 χ^2/NDF: 1605245.9/20

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

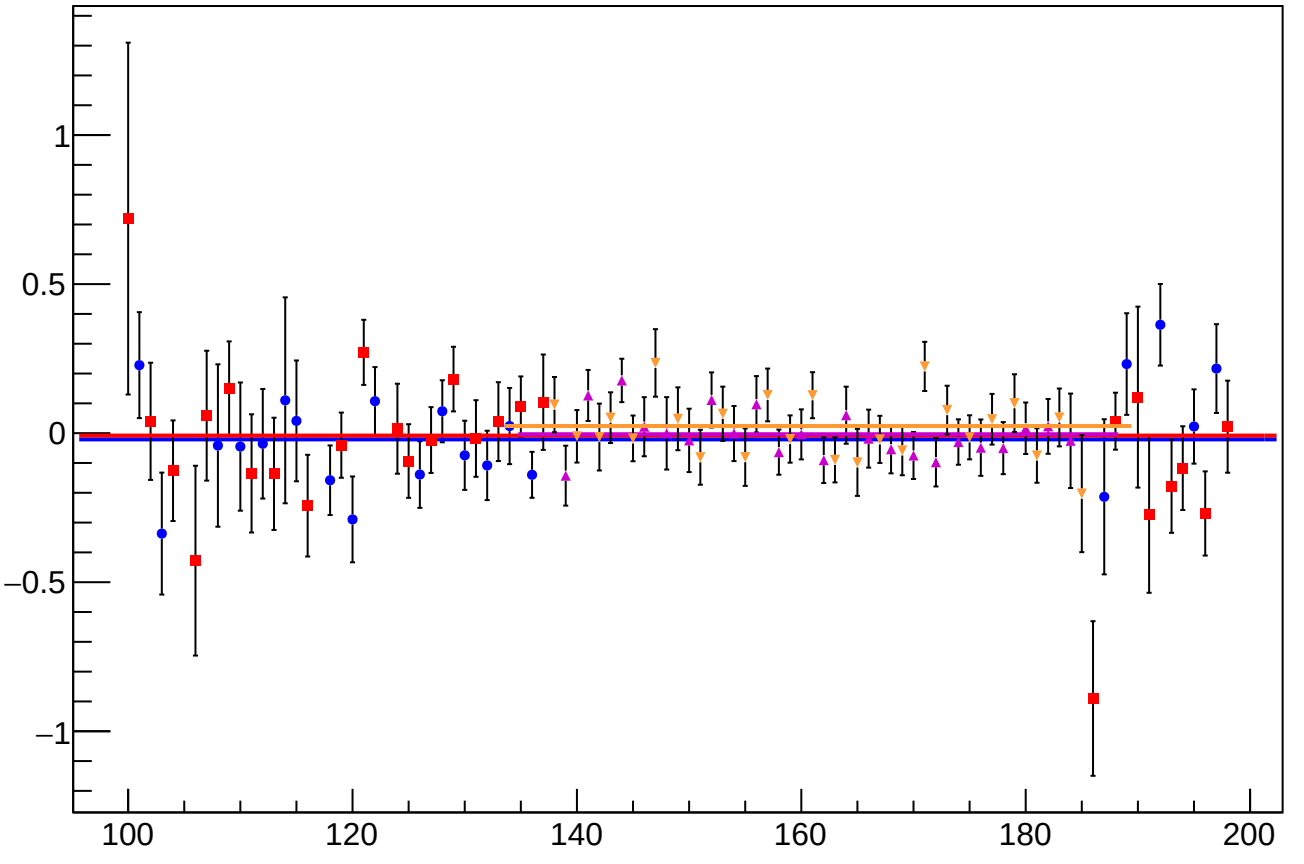
Right Out: 95.936+/-0.020 χ^2/NDF: 2037216.9/26

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 82.011+/-0.011 χ^2/NDF: 2438511.7/45

All: 82.916+/-0.008 χ^2/NDF: 5513032.4/95

- sign 83.841+/-0.011 χ^2/NDF: 3060449.0/49



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

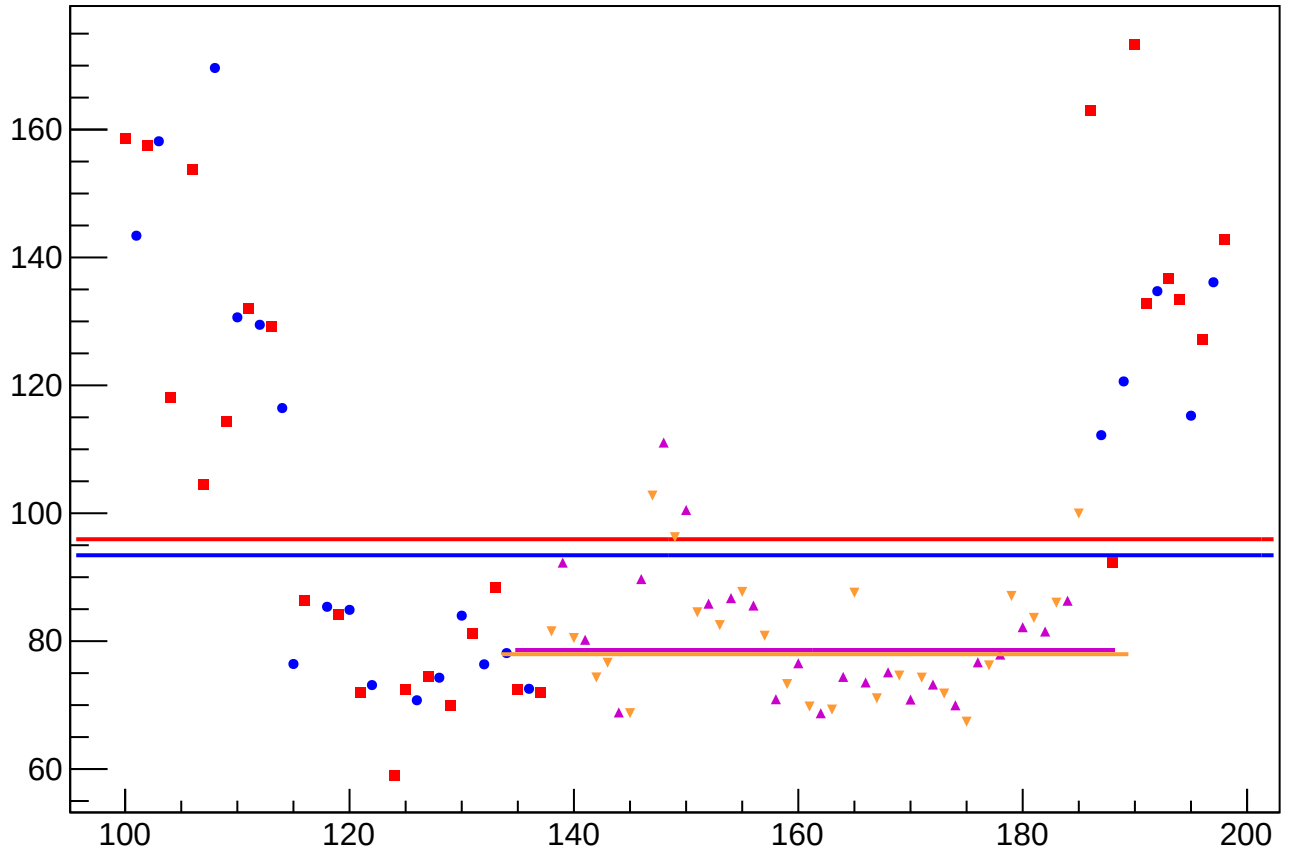
Right Out: -0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/45

All: 0.004+/-0.011 χ^2/NDF: 113.6/95

- sign -0.005+/-0.016 χ^2/NDF: 56.5/49



Right In: 93.430+/-0.021 χ^2/NDF: 1605245.9/20

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

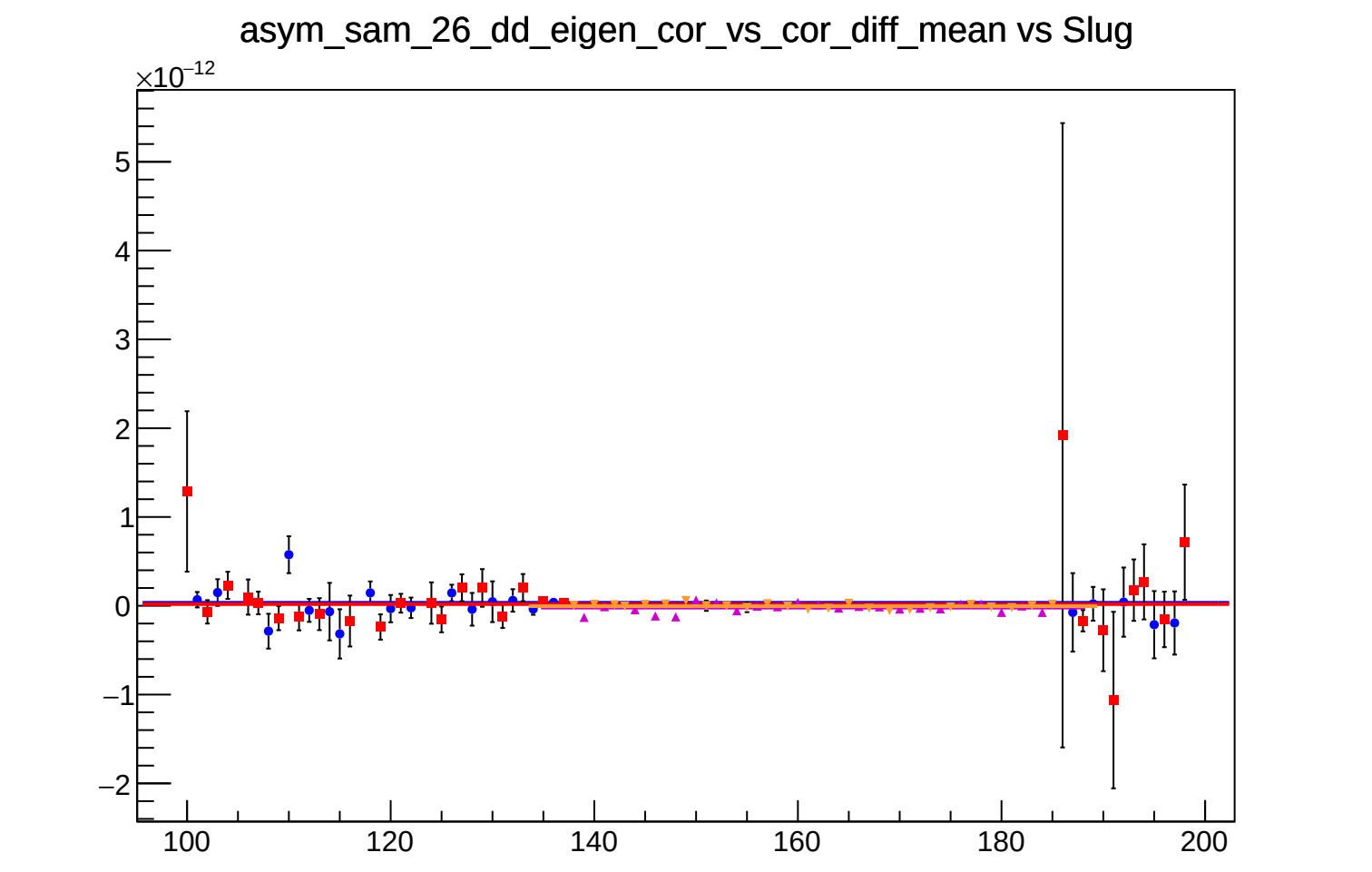
Right Out: 95.936+/-0.020 χ^2/NDF: 2037216.9/26

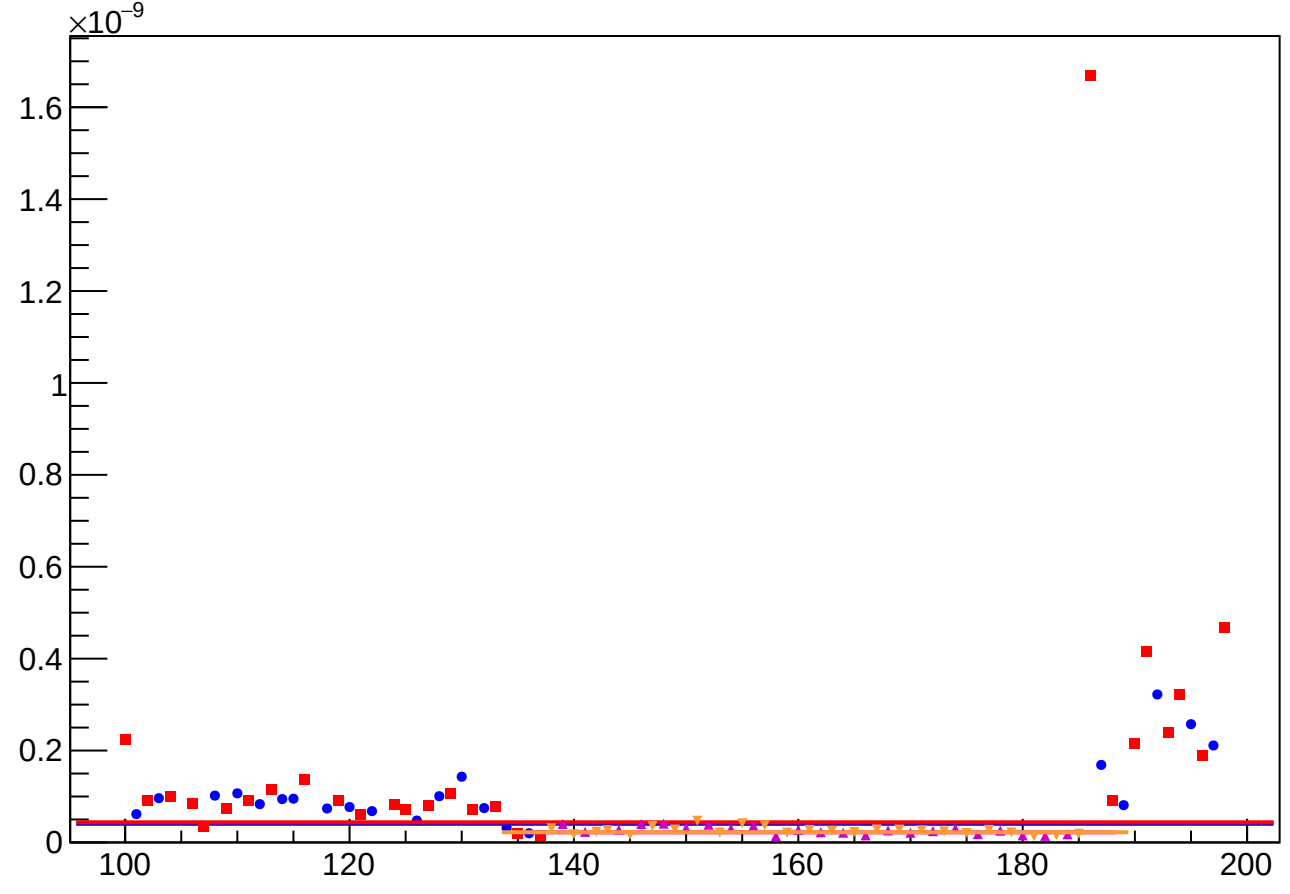
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 82.011+/-0.011 χ^2/NDF: 2438511.7/45

All: 82.916+/-0.008 χ^2/NDF: 5513032.4/95

- sign 83.841+/-0.011 χ^2/NDF: 3060449.0/49


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: 17.3/20
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 24.2/26
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 33.5/45
All: -0.000+/-0.000 χ²/NDF: 104.7/95
- sign -0.000+/-0.000 χ²/NDF: 67.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 5908216.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8327329.4/26

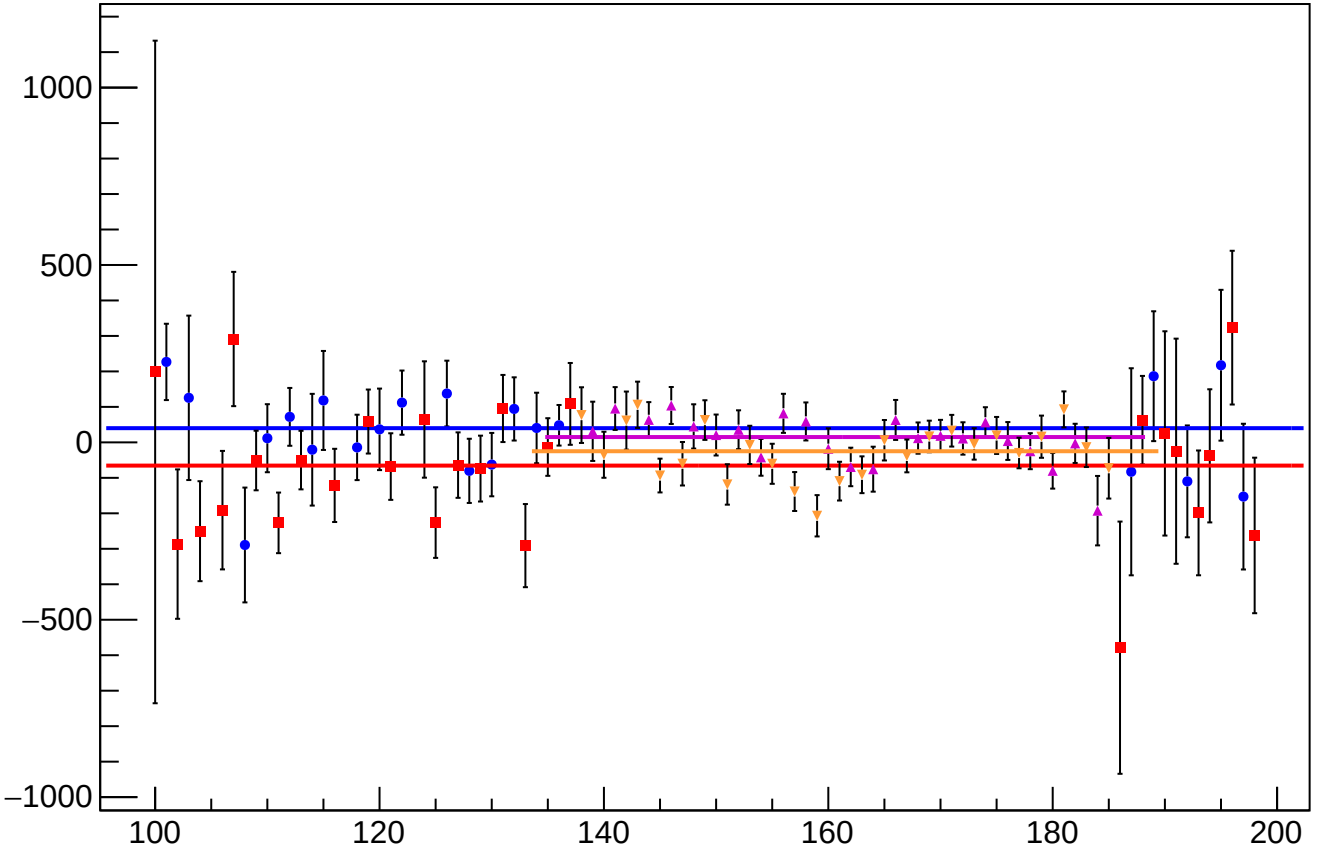
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9698426.1/45

All: 0.000+/-0.000 χ^2/NDF: 22701417.9/95

- sign 0.000+/-0.000 χ^2/NDF: 13002987.1/49

reg_asym_sam_37_dd_mean vs Slug



Right In: 40.021+/-23.349 χ^2/NDF: 16.9/20

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -65.491+/-23.100 χ^2/NDF: 33.3/26

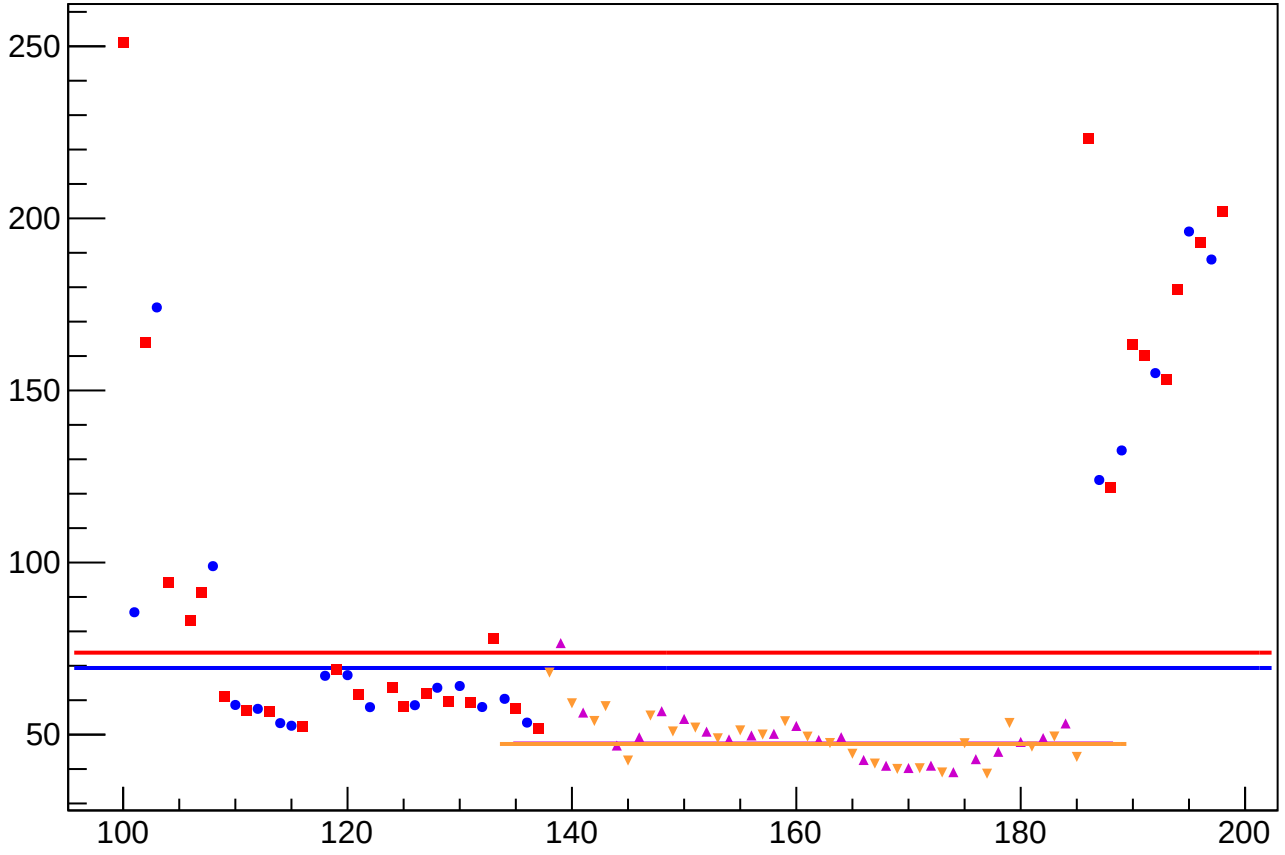
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.377+/-9.868 χ^2/NDF: 66.3/45

All: -7.017+/-7.055 χ^2/NDF: 135.0/95

- sign -0.365+/-10.091 χ^2/NDF: 67.8/49

reg_asym_sam_37_dd_rms vs Slug



Right In: 69.361+/-0.017 χ^2/NDF: 3195744.2/20

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 73.816+/-0.016 χ^2/NDF: 4495736.5/26

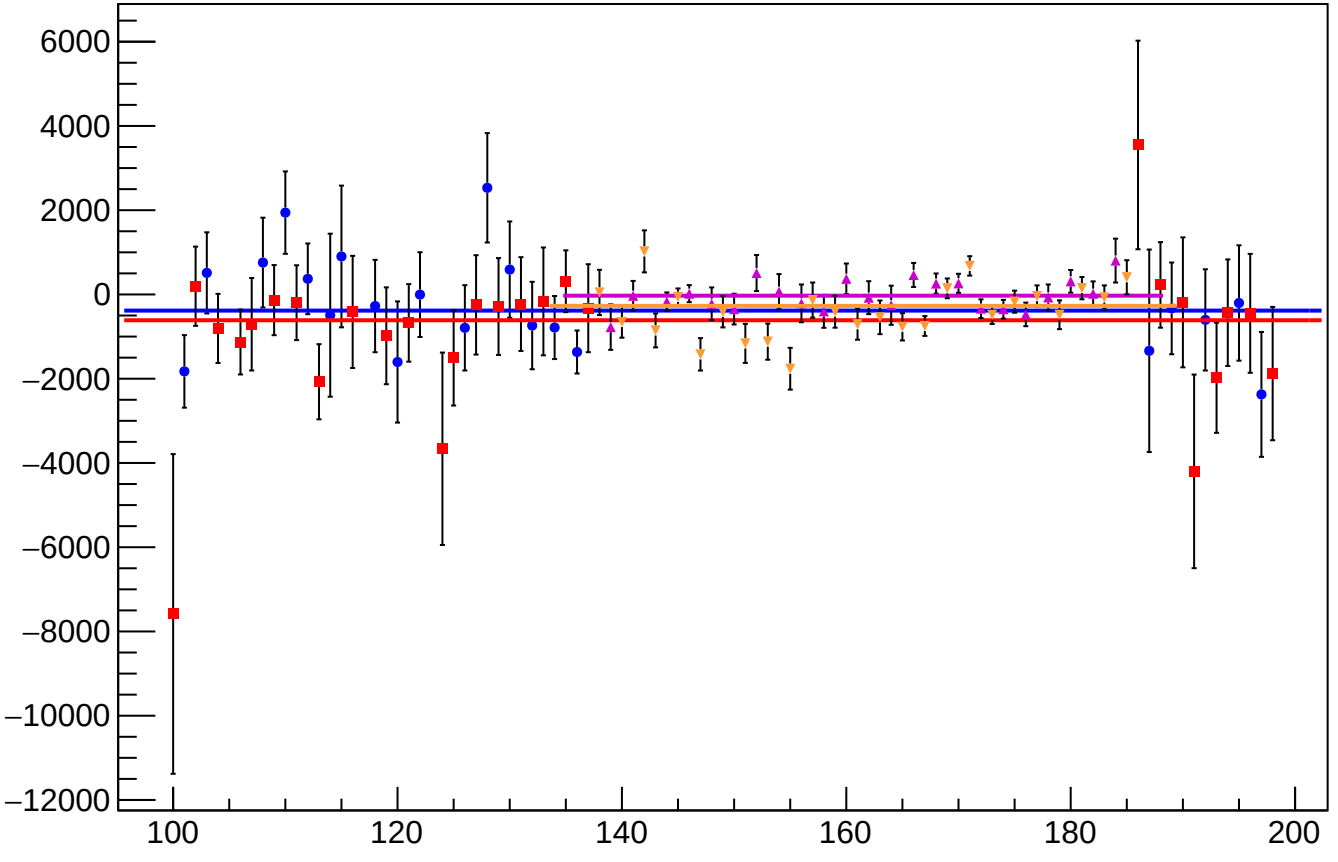
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.227+/-0.007 χ^2/NDF: 5381766.8/45

All: 51.830+/-0.005 χ^2/NDF: 12660900.1/95

- sign 52.461+/-0.007 χ^2/NDF: 7263828.4/49

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -383.209+/-222.052 χ^2/NDF: 24.8/20

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -612.271+/-212.367 χ^2/NDF: 20.3/26

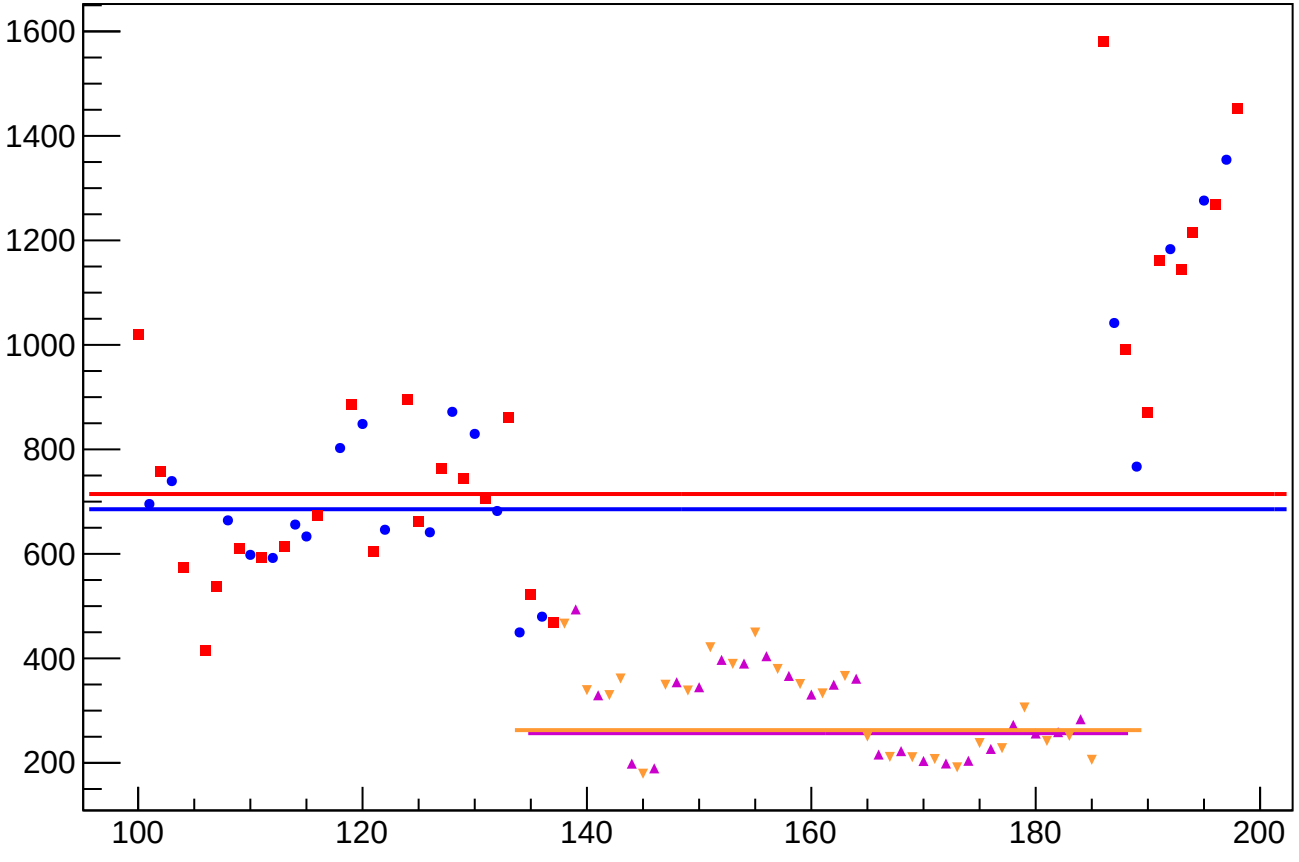
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -279.229+/-60.025 χ^2/NDF: 98.9/45

All: -177.710+/-42.473 χ^2/NDF: 156.3/95

- sign -75.910+/-60.108 χ^2/NDF: 51.6/49

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 685.456+/-0.157 χ^2/NDF: 1880128.6/20

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 714.571+/-0.150 χ^2/NDF: 2657473.5/26

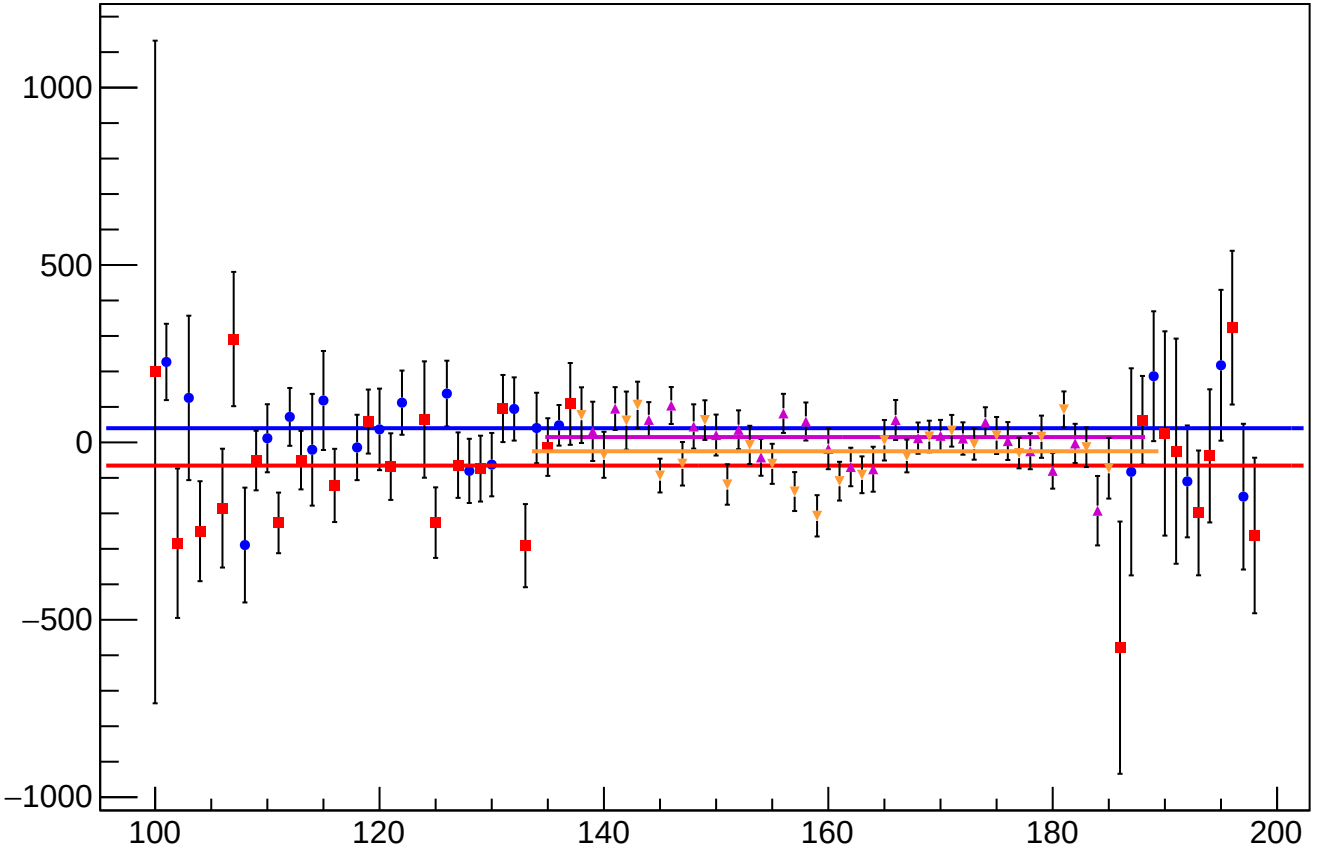
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 293.572+/-0.042 χ^2/NDF: 11493668.7/45

All: 293.542+/-0.030 χ^2/NDF: 25337196.9/95

- sign 293.511+/-0.043 χ^2/NDF: 13843527.2/49

cor_asym_sam_37_dd_mean vs Slug



Right In: 40.015+/-23.349 χ^2/NDF: 16.9/20

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -65.326+/-23.101 χ^2/NDF: 33.2/26

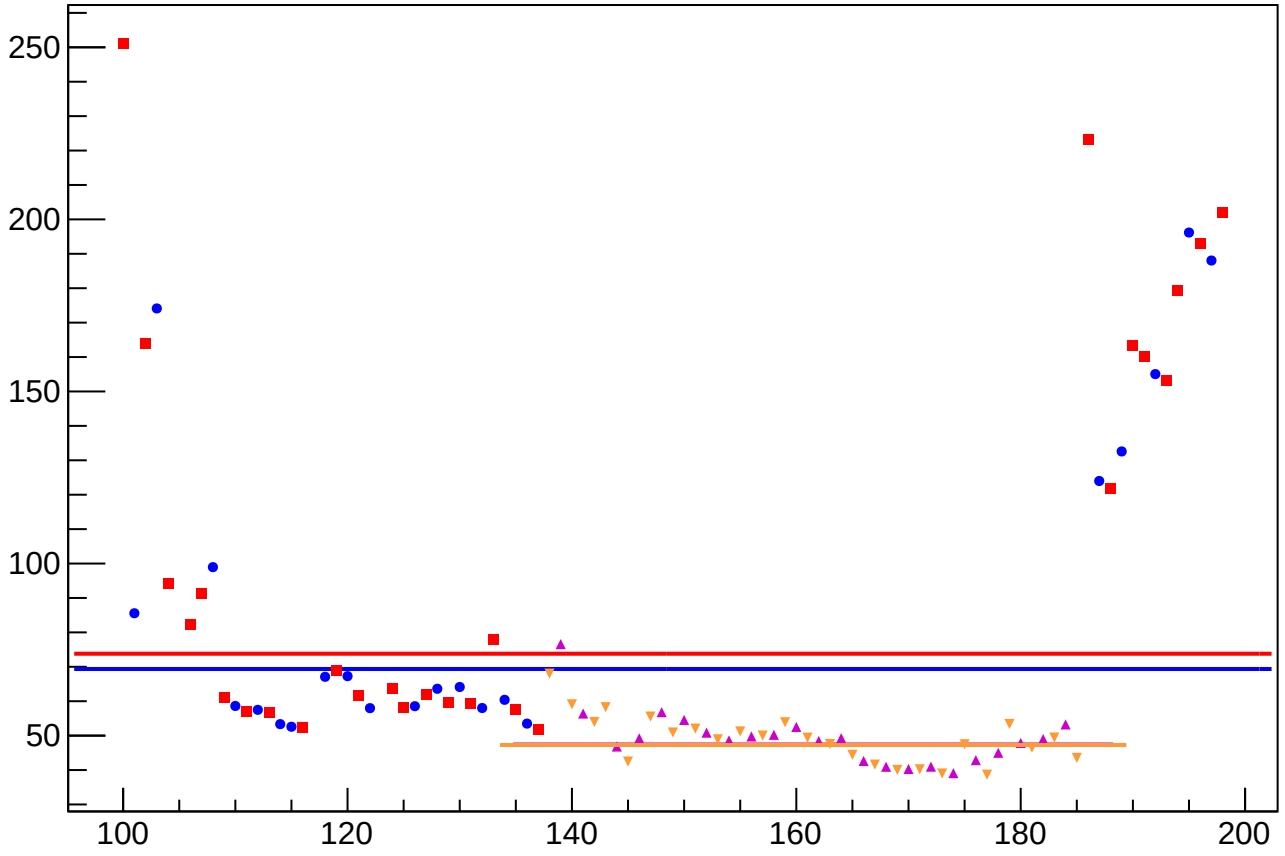
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.376+/-9.868 χ^2/NDF: 66.3/45

All: -7.001+/-7.055 χ^2/NDF: 134.9/95

- sign -0.334+/-10.091 χ^2/NDF: 67.7/49

cor_asym_sam_37_dd_rms vs Slug



Right In: 69.361+/-0.017 χ^2/NDF: 3195746.5/20

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 73.796+/-0.016 χ^2/NDF: 4494585.2/26

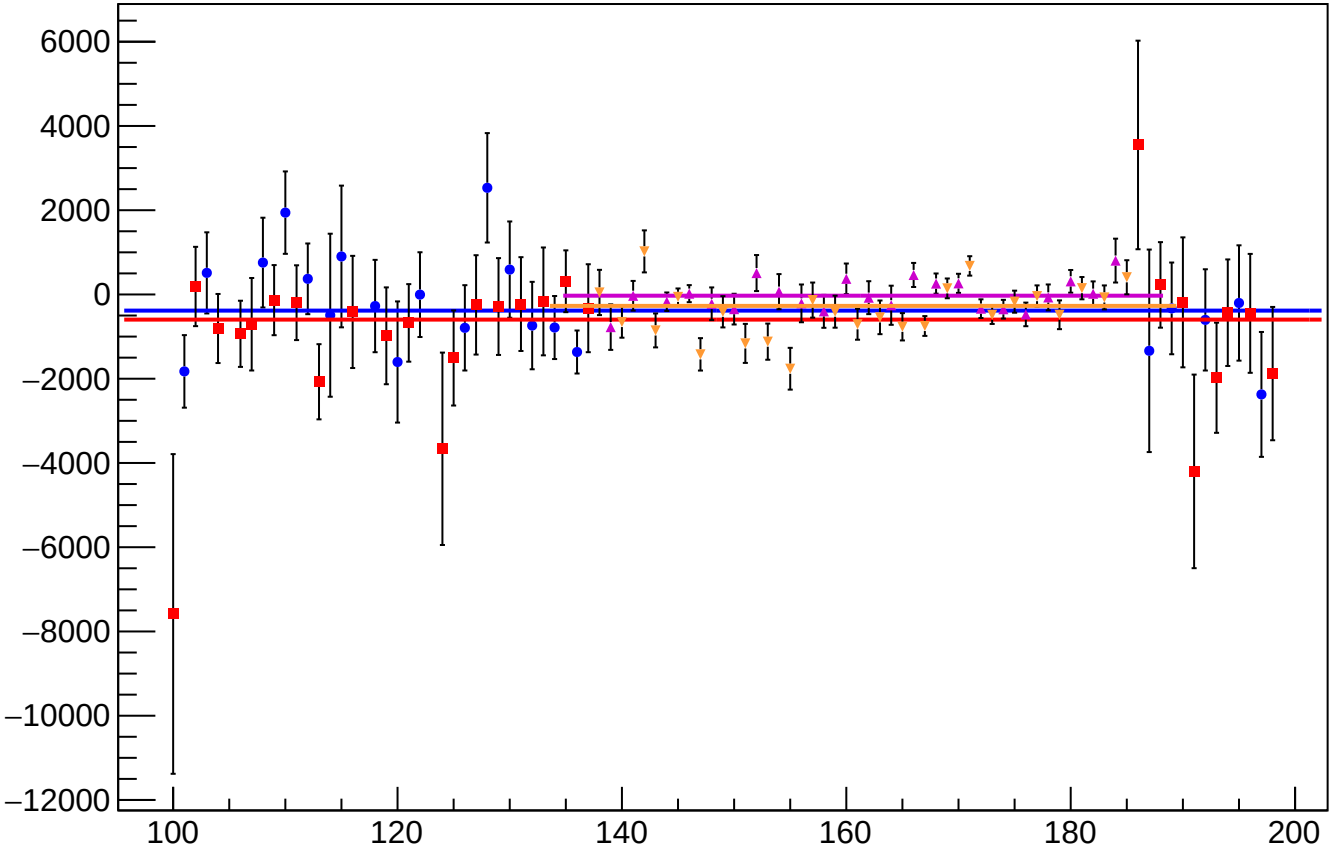
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.227+/-0.007 χ^2/NDF: 5381768.5/45

All: 51.828+/-0.005 χ^2/NDF: 12656176.6/95

- sign 52.457+/-0.007 χ^2/NDF: 7259211.1/49

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -383.209+/-222.054 χ^2/NDF: 24.8/20

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -596.901+/-212.695 χ^2/NDF: 20.0/26

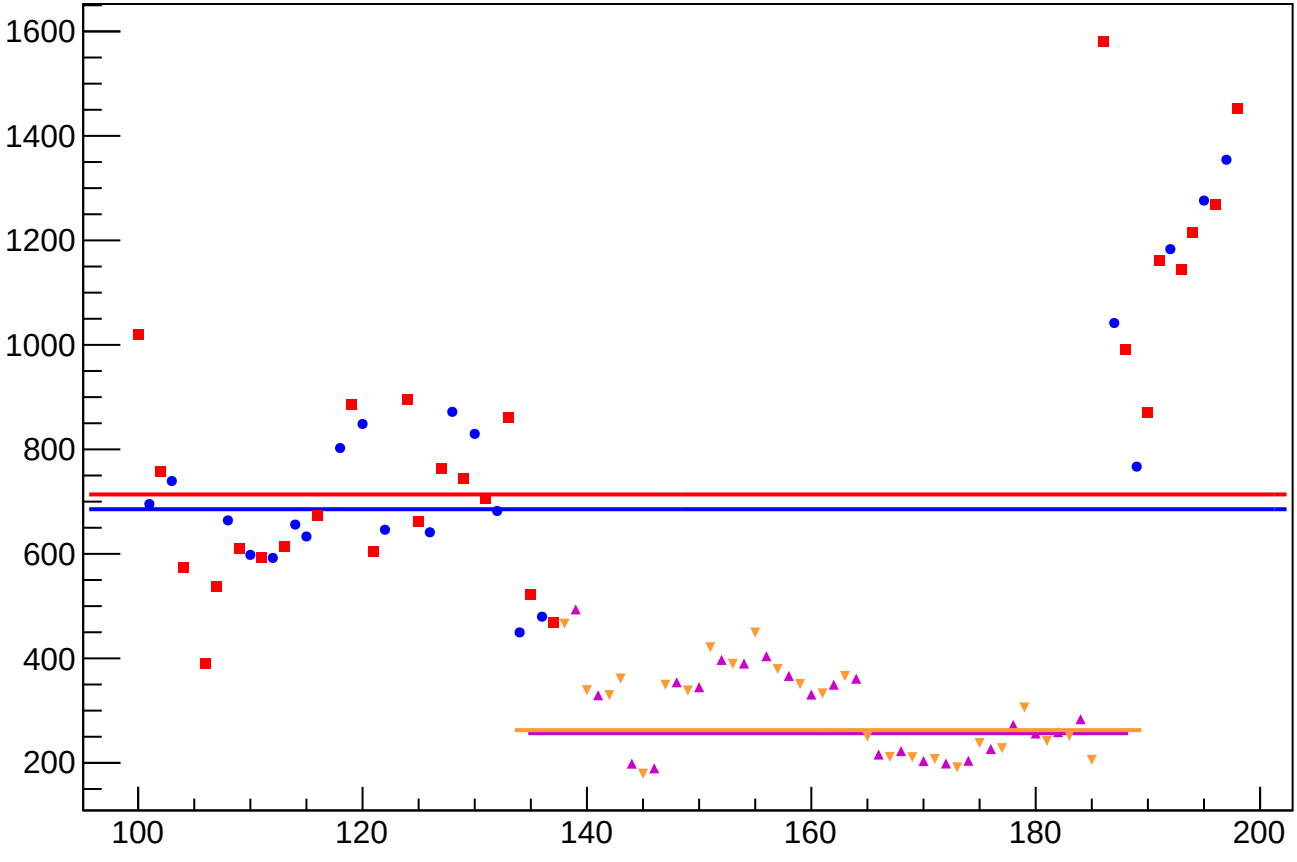
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -279.224+/-60.025 χ^2/NDF: 98.9/45

All: -177.042+/-42.476 χ^2/NDF: 155.7/95

- sign -74.552+/-60.115 χ^2/NDF: 50.9/49

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 685.459+/-0.157 χ^2/NDF: 1880143.1/20

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 713.782+/-0.150 χ^2/NDF: 2693068.5/26

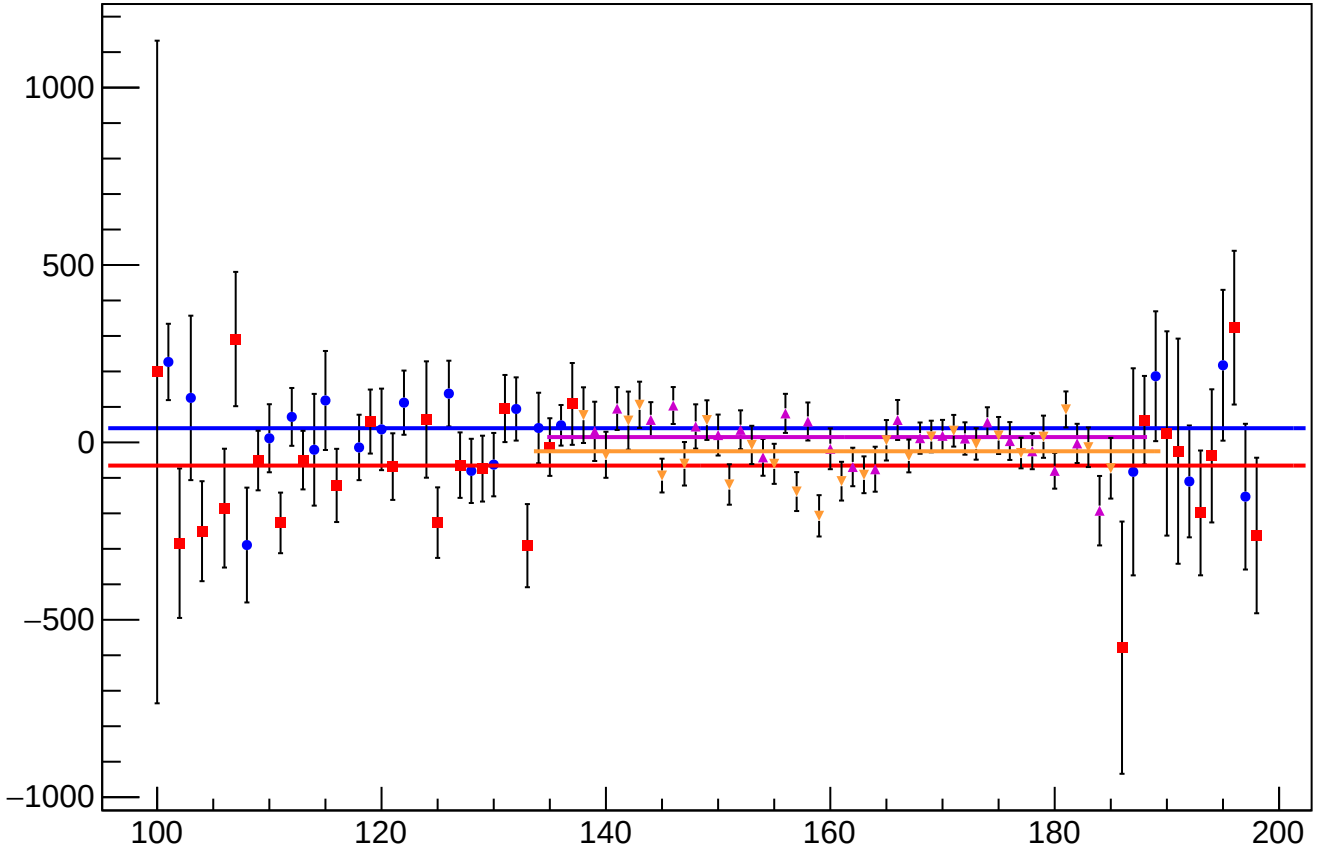
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 293.572+/-0.042 χ^2/NDF: 11493722.0/45

All: 293.458+/-0.030 χ^2/NDF: 25319281.1/95

- sign 293.344+/-0.043 χ^2/NDF: 13825544.8/49

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 40.015+/-23.349 χ^2/NDF: 16.9/20

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -65.326+/-23.101 χ^2/NDF: 33.2/26

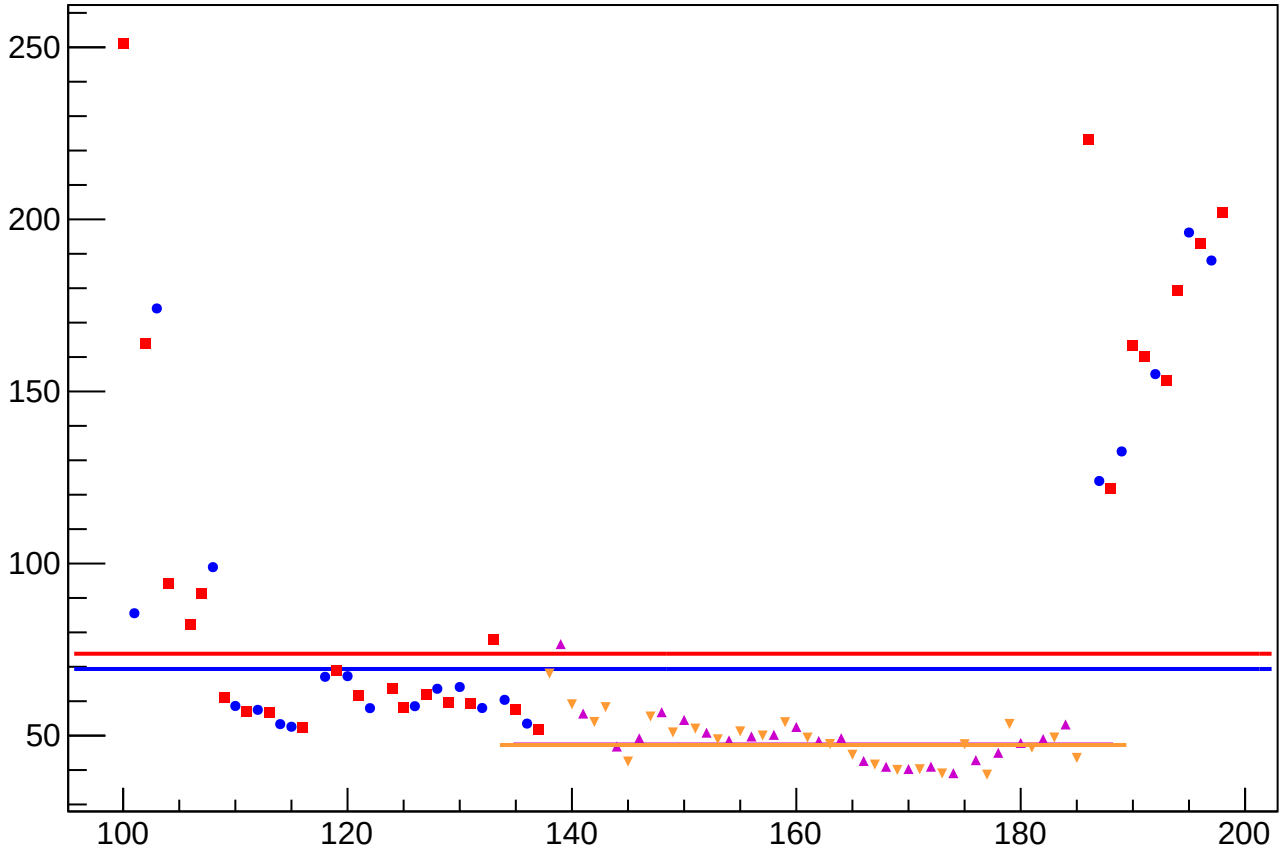
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.376+/-9.868 χ^2/NDF: 66.3/45

All: -7.001+/-7.055 χ^2/NDF: 134.9/95

- sign -0.334+/-10.091 χ^2/NDF: 67.7/49

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 69.361+/-0.017 χ^2/NDF: 3195746.5/20

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

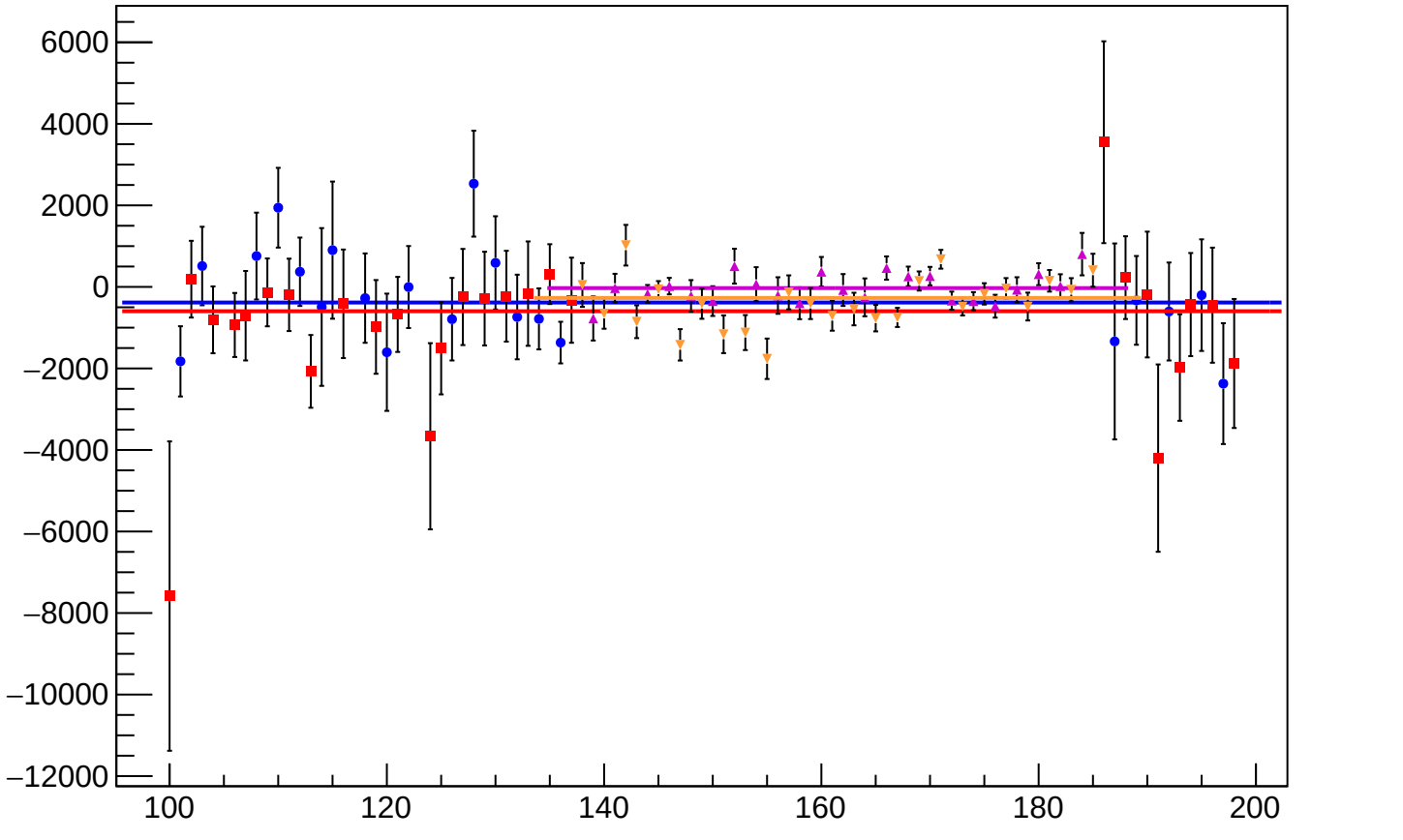
Right Out: 73.796+/-0.016 χ^2/NDF: 4494585.2/26

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.227+/-0.007 χ^2/NDF: 5381768.5/45

All: 51.828+/-0.005 χ^2/NDF: 12656176.6/95

- sign 52.457+/-0.007 χ^2/NDF: 7259211.1/49



Right In: -383.209+/-222.054 χ^2/NDF: 24.8/20

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -596.901+/-212.695 χ^2/NDF: 20.0/26

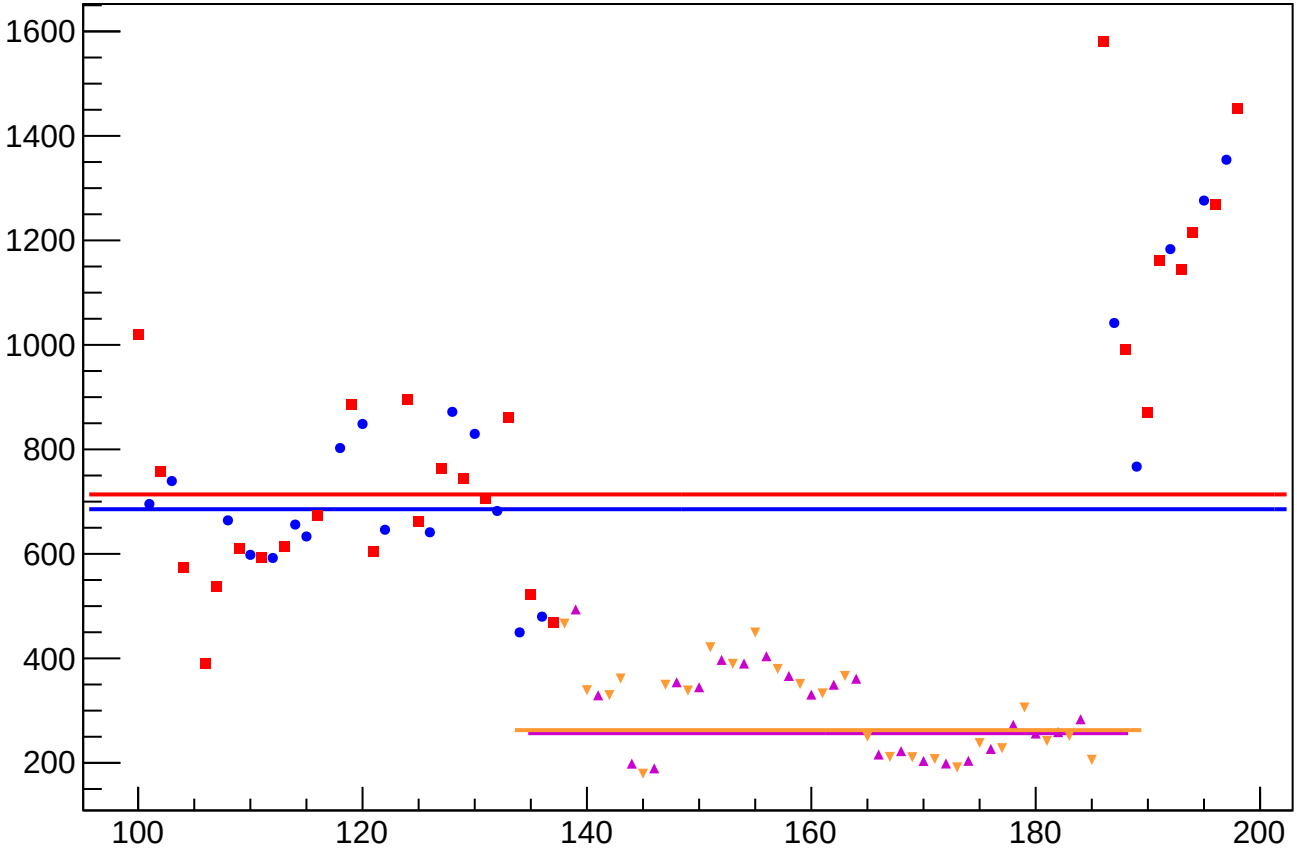
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -279.224+/-60.025 χ^2/NDF: 98.9/45

All: -177.042+/-42.476 χ^2/NDF: 155.7/95

- sign -74.552+/-60.115 χ^2/NDF: 50.9/49

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 685.459+/-0.157 χ^2/NDF: 1880143.1/20

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 713.782+/-0.150 χ^2/NDF: 2693068.5/26

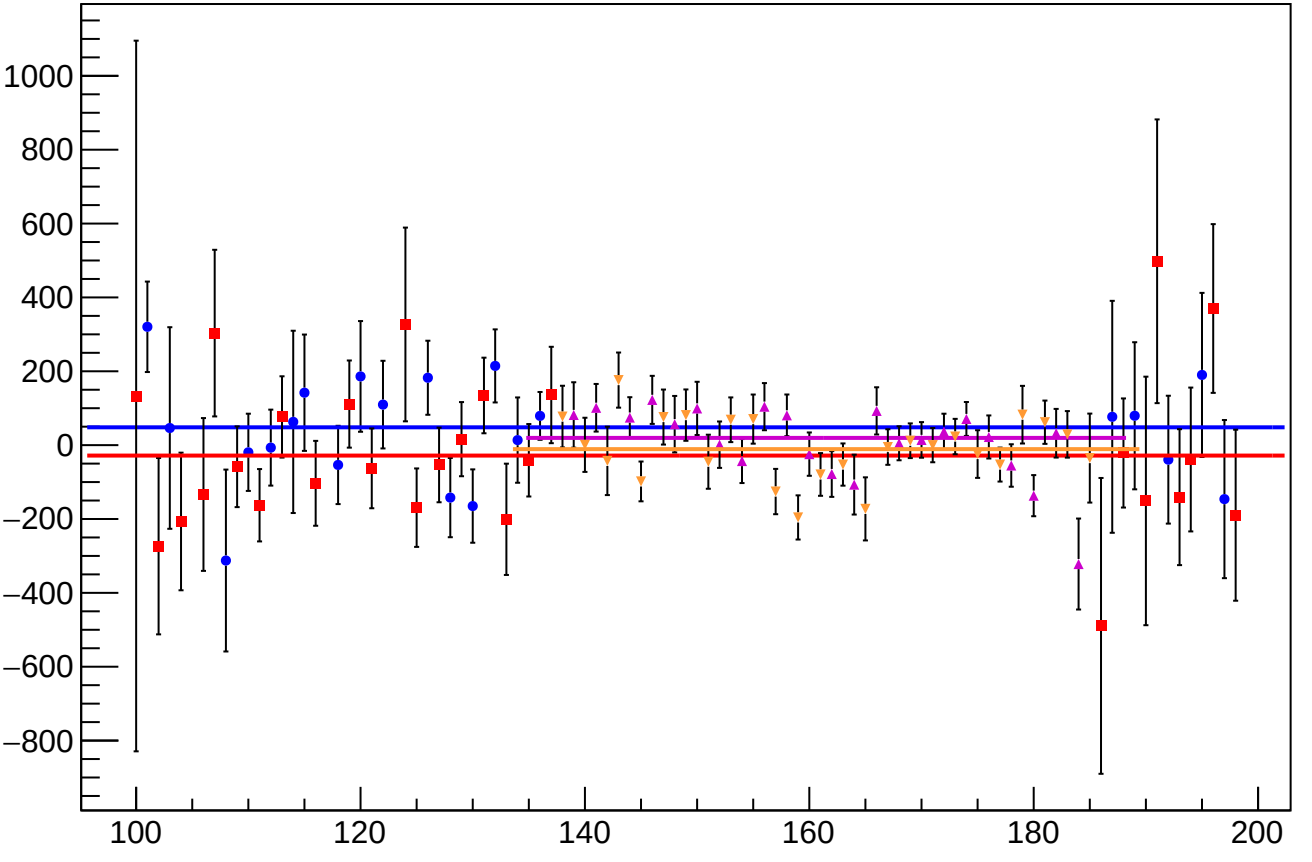
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 293.572+/-0.042 χ^2/NDF: 11493722.0/45

All: 293.458+/-0.030 χ^2/NDF: 25319281.1/95

- sign 293.344+/-0.043 χ^2/NDF: 13825544.8/49

dit_asym_sam_37_dd_mean vs Slug



Right In: 48.263+/-27.137 χ^2/NDF: 24.4/20

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -28.254+/-27.138 χ^2/NDF: 25.7/26

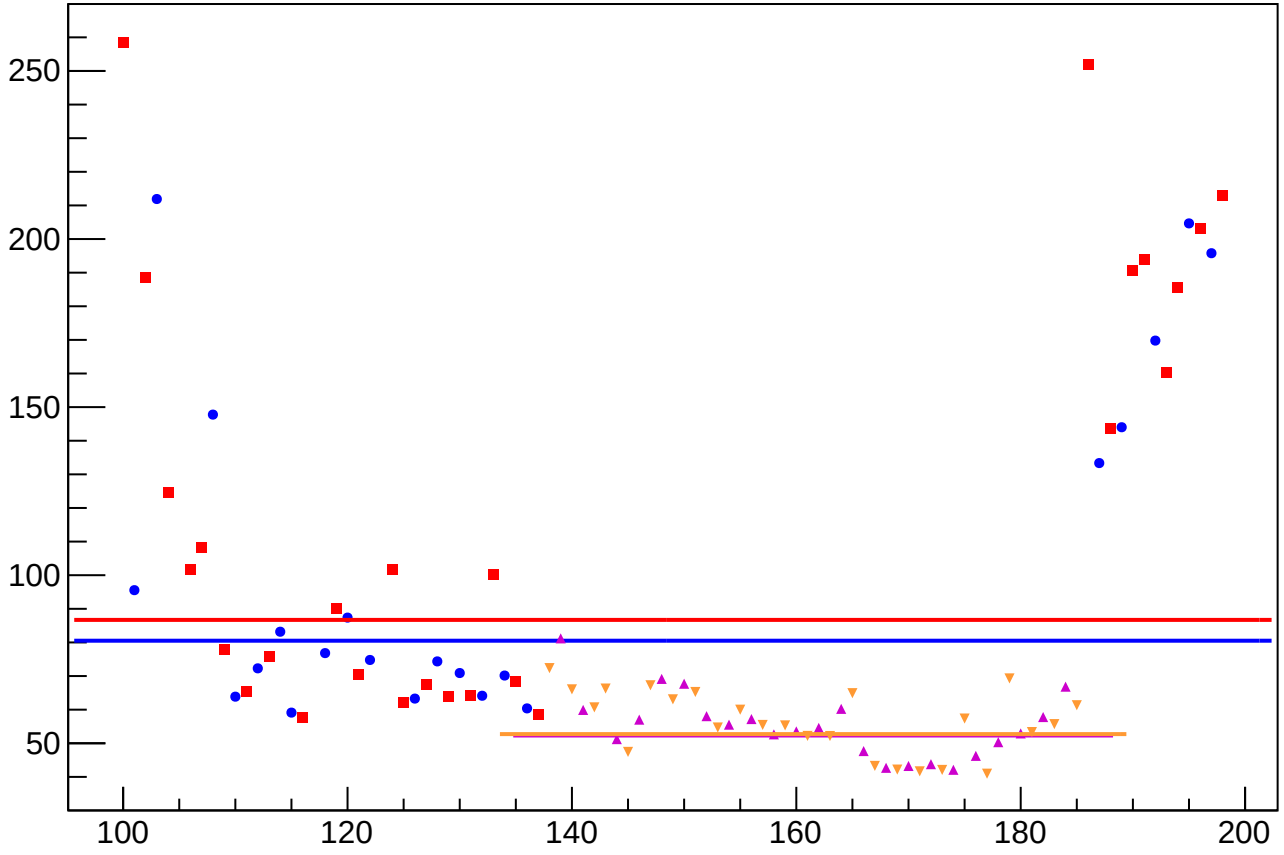
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

\+ sign -0.745+/-11.208 χ^2/NDF: 68.7/45

All: 5.118+/-7.988 χ^2/NDF: 134.4/95

\- sign 11.171+/-11.388 χ^2/NDF: 65.1/49

dit_asym_sam_37_dd_rms vs Slug



Right In: 80.512+/-0.019 χ^2/NDF: 3099094.2/20

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 86.703+/-0.019 χ^2/NDF: 4343450.5/26

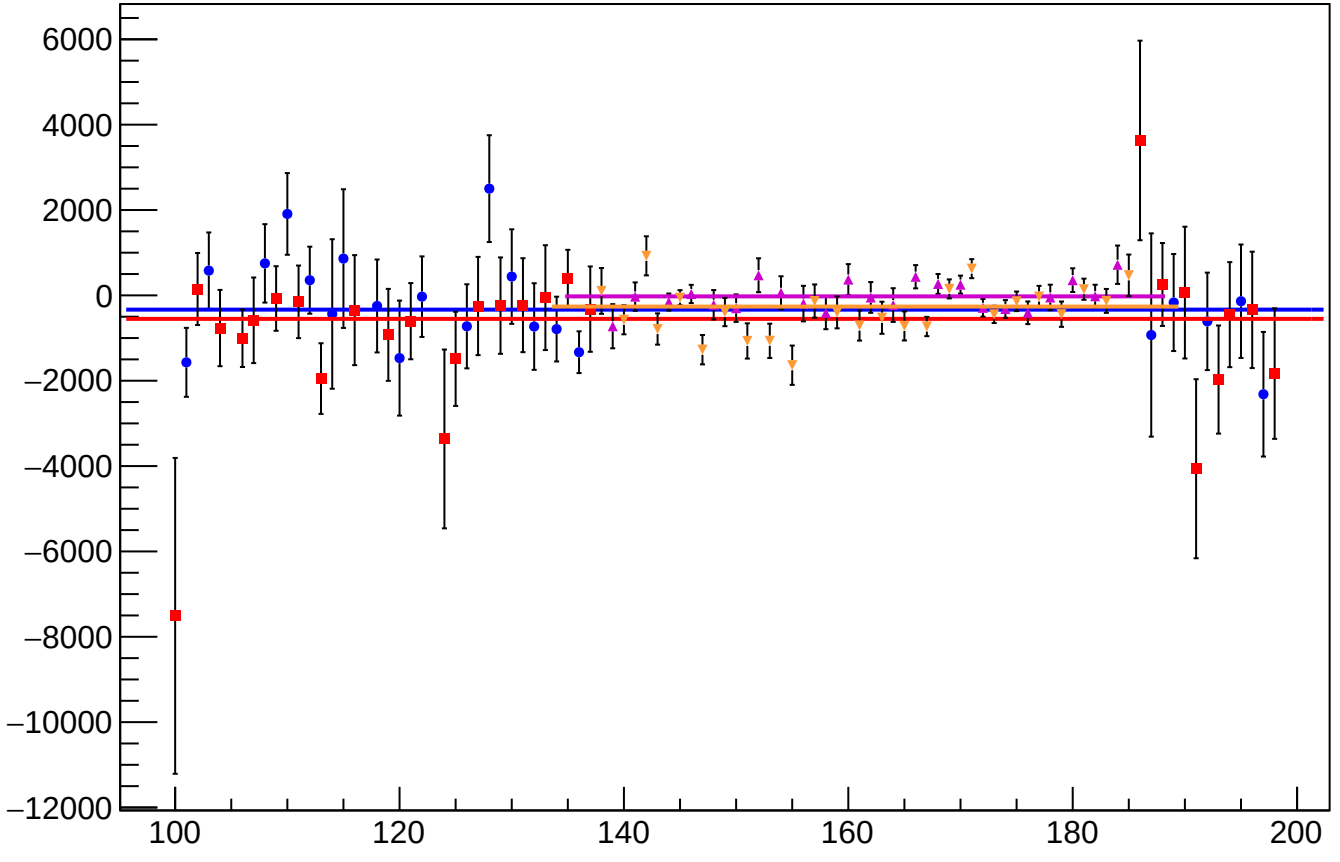
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 57.470+/-0.008 χ^2/NDF: 6004851.8/45

All: 57.912+/-0.006 χ^2/NDF: 13892564.9/95

- sign 58.369+/-0.008 χ^2/NDF: 7881371.4/49

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -334.205+/-213.081 χ^2/NDF: 24.9/20

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -550.681+/-201.495 χ^2/NDF: 22.1/26

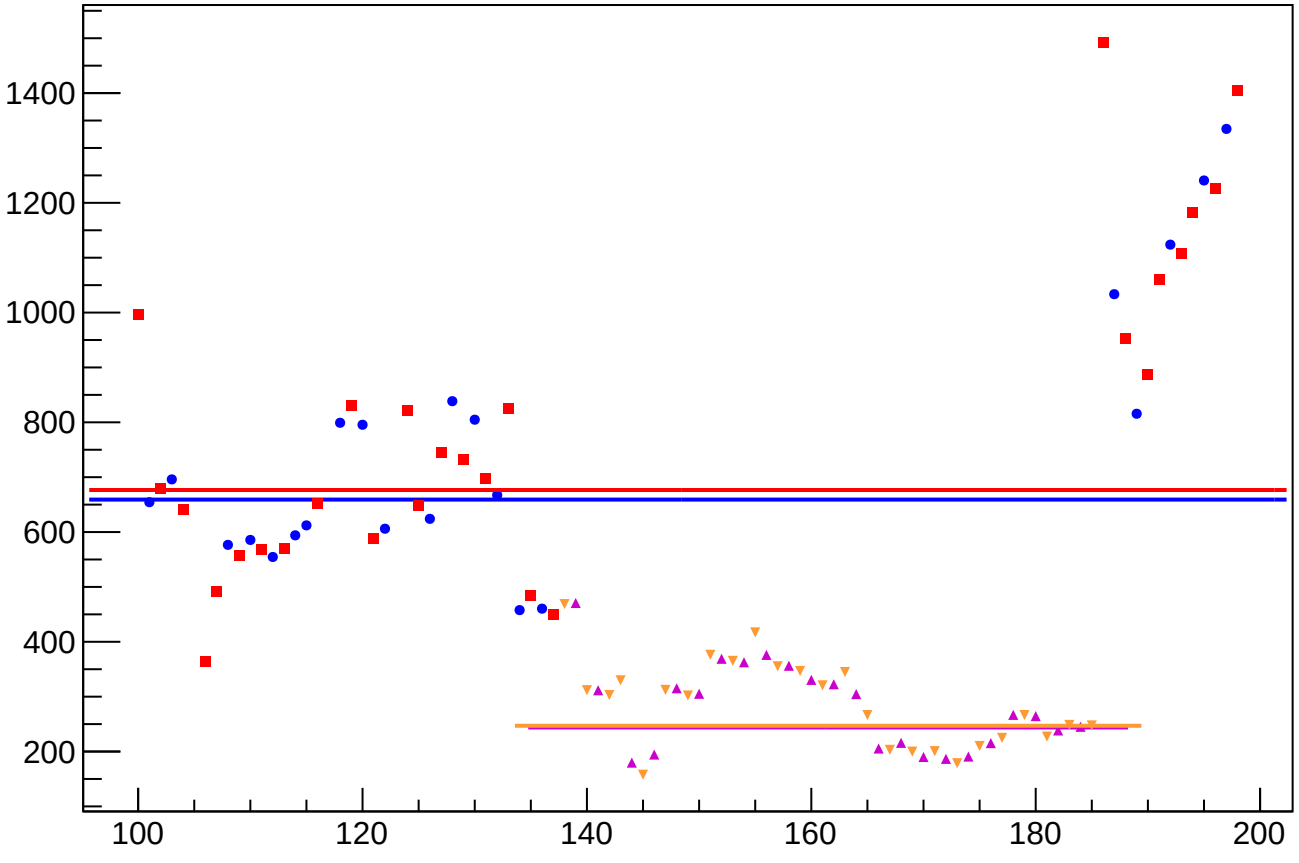
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -267.602+/-56.413 χ^2/NDF: 97.2/45

All: -167.607+/-40.087 χ^2/NDF: 156.1/95

- sign -65.619+/-56.973 χ^2/NDF: 52.6/49

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 659.168+/-0.151 χ^2/NDF: 1910409.0/20

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 676.667+/-0.142 χ^2/NDF: 2870491.6/26

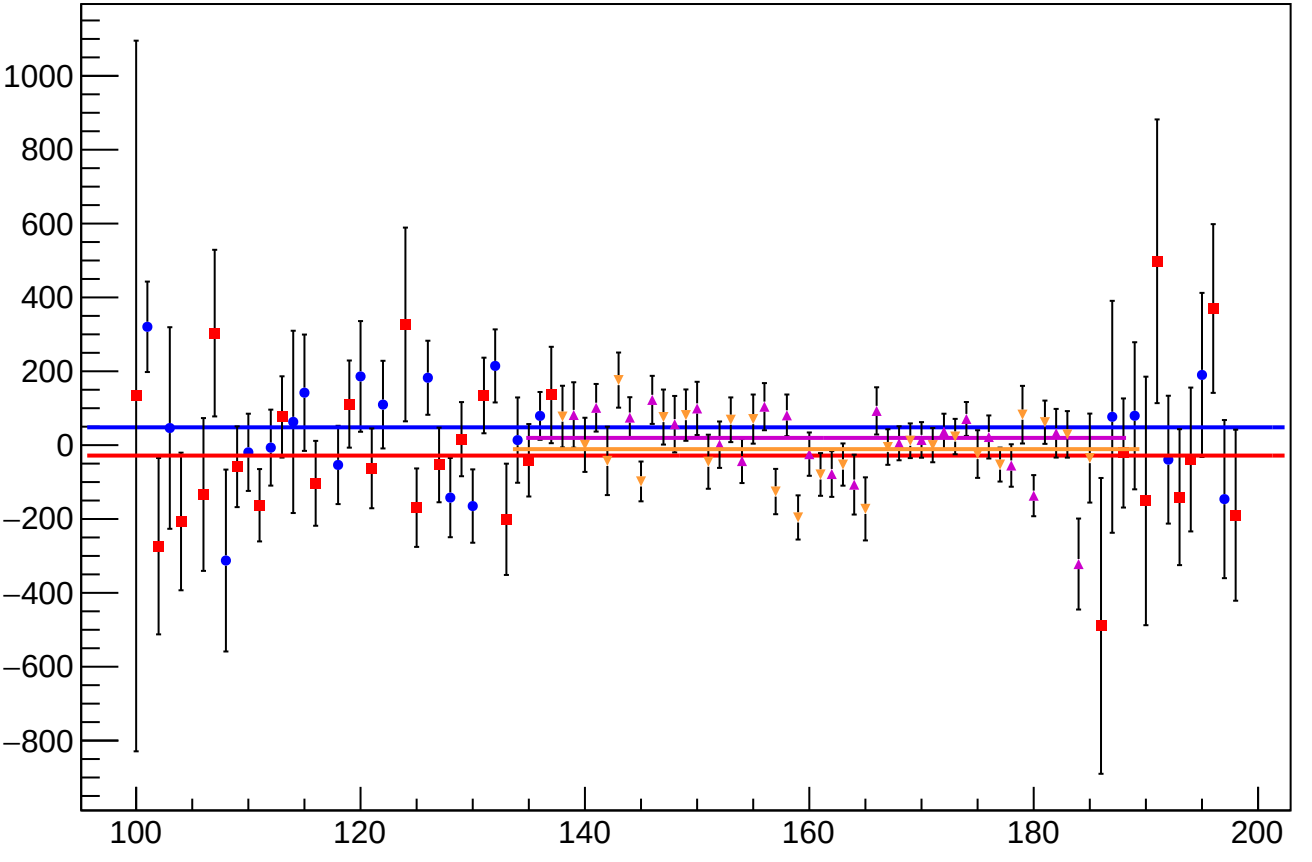
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 275.886+/-0.040 χ^2/NDF: 11794979.5/45

All: 277.145+/-0.028 χ^2/NDF: 25649271.7/95

- sign 278.430+/-0.040 χ^2/NDF: 13852278.7/49

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 48.263+/-27.137 χ^2/NDF: 24.4/20

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

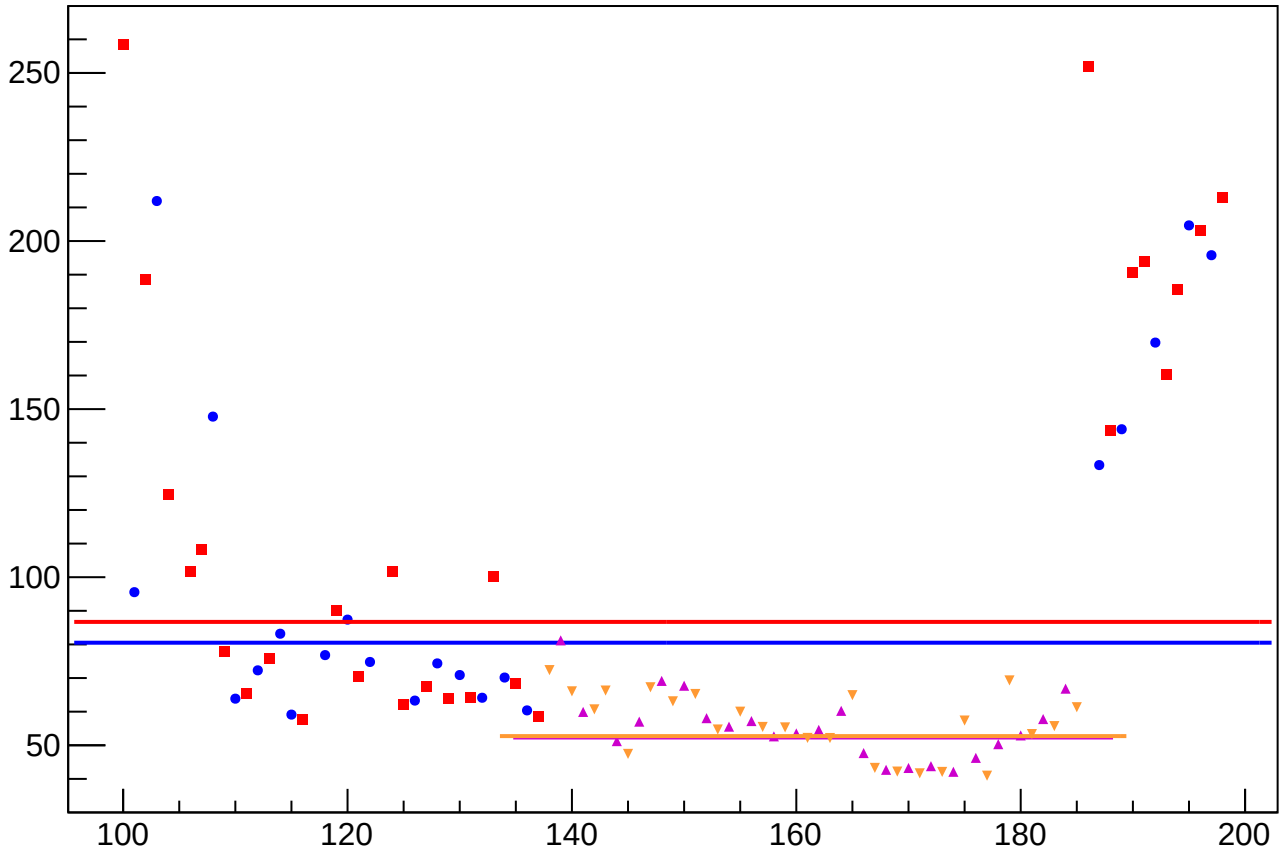
Right Out: -28.253+/-27.138 χ^2/NDF: 25.7/26

Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

\+ sign -0.744+/-11.208 χ^2/NDF: 68.7/45

All: 5.119+/-7.988 χ^2/NDF: 134.4/95

\- sign 11.172+/-11.388 χ^2/NDF: 65.1/49



Right In: 80.512+/-0.019 χ^2/NDF: 3099113.4/20

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

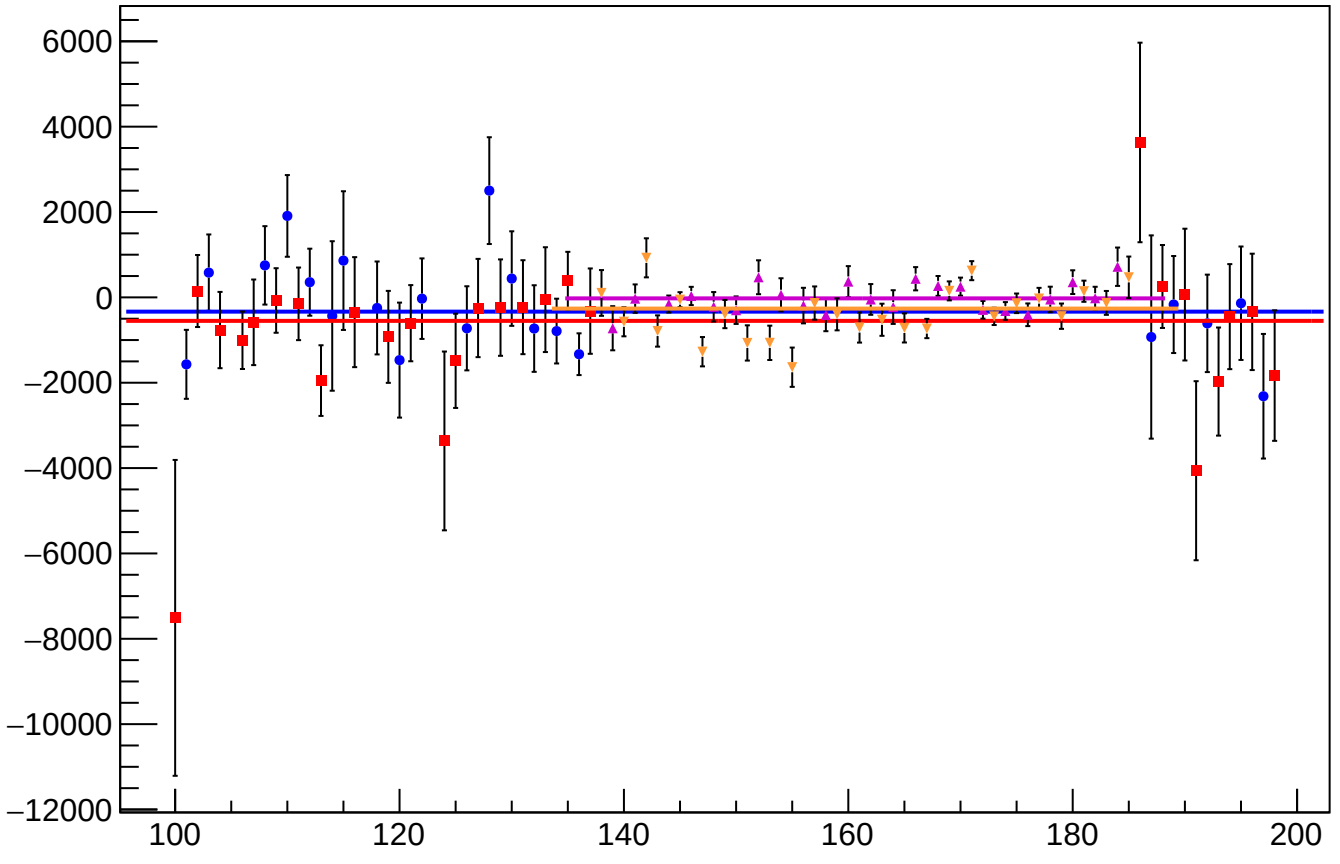
Right Out: 86.703+/-0.019 χ^2/NDF: 4343448.3/26

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 57.470+/-0.008 χ^2/NDF: 6004873.5/45

All: 57.912+/-0.006 χ^2/NDF: 13892573.8/95

- sign 58.369+/-0.008 χ^2/NDF: 7881358.6/49



Right In: -334.205+/-213.081 χ^2/NDF: 24.9/20

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

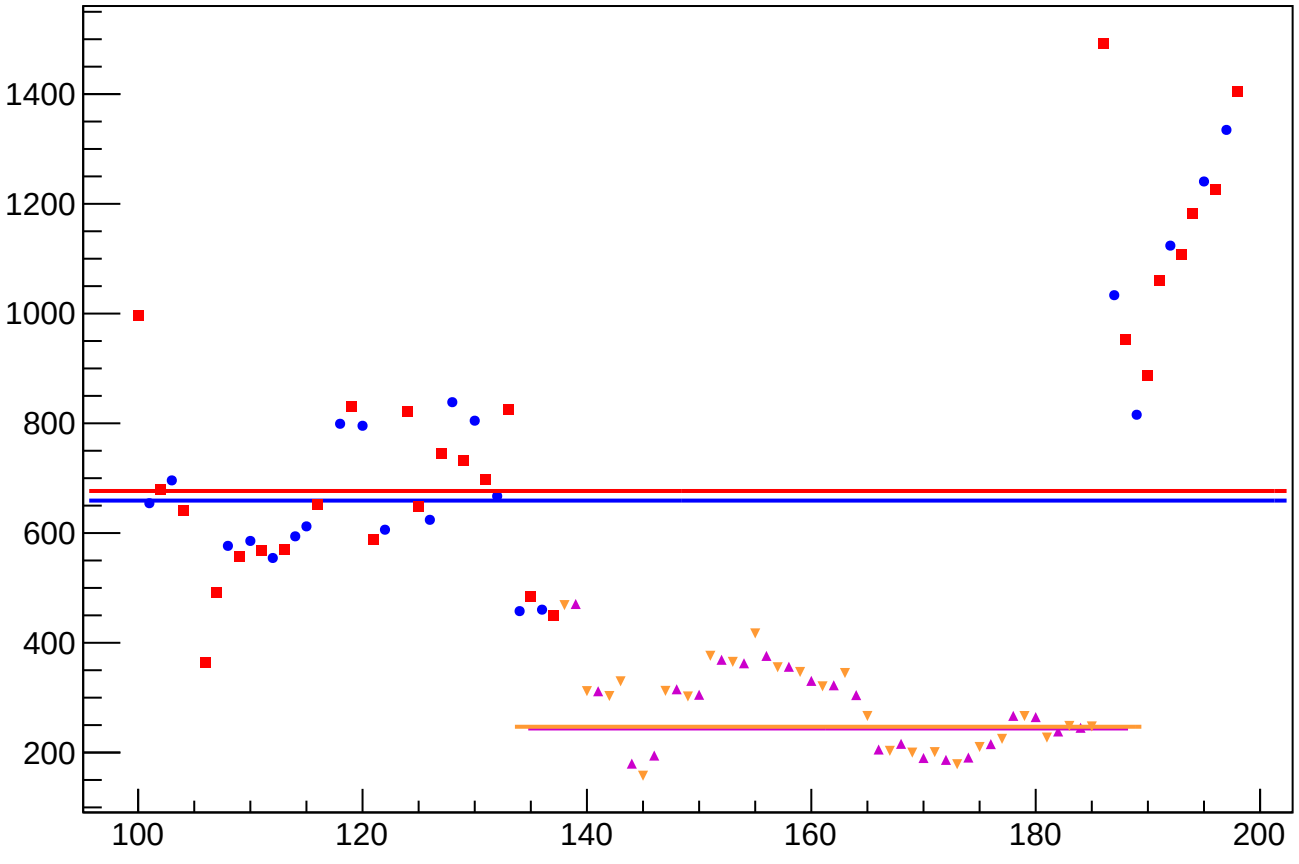
Right Out: -550.681+/-201.495 χ^2/NDF: 22.1/26

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -267.602+/-56.413 χ^2/NDF: 97.2/45

All: -167.607+/-40.087 χ^2/NDF: 156.1/95

- sign -65.618+/-56.973 χ^2/NDF: 52.6/49



Right In: 659.169+/-0.151 χ^2/NDF: 1910397.8/20

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 676.666+/-0.142 χ^2/NDF: 2870486.4/26

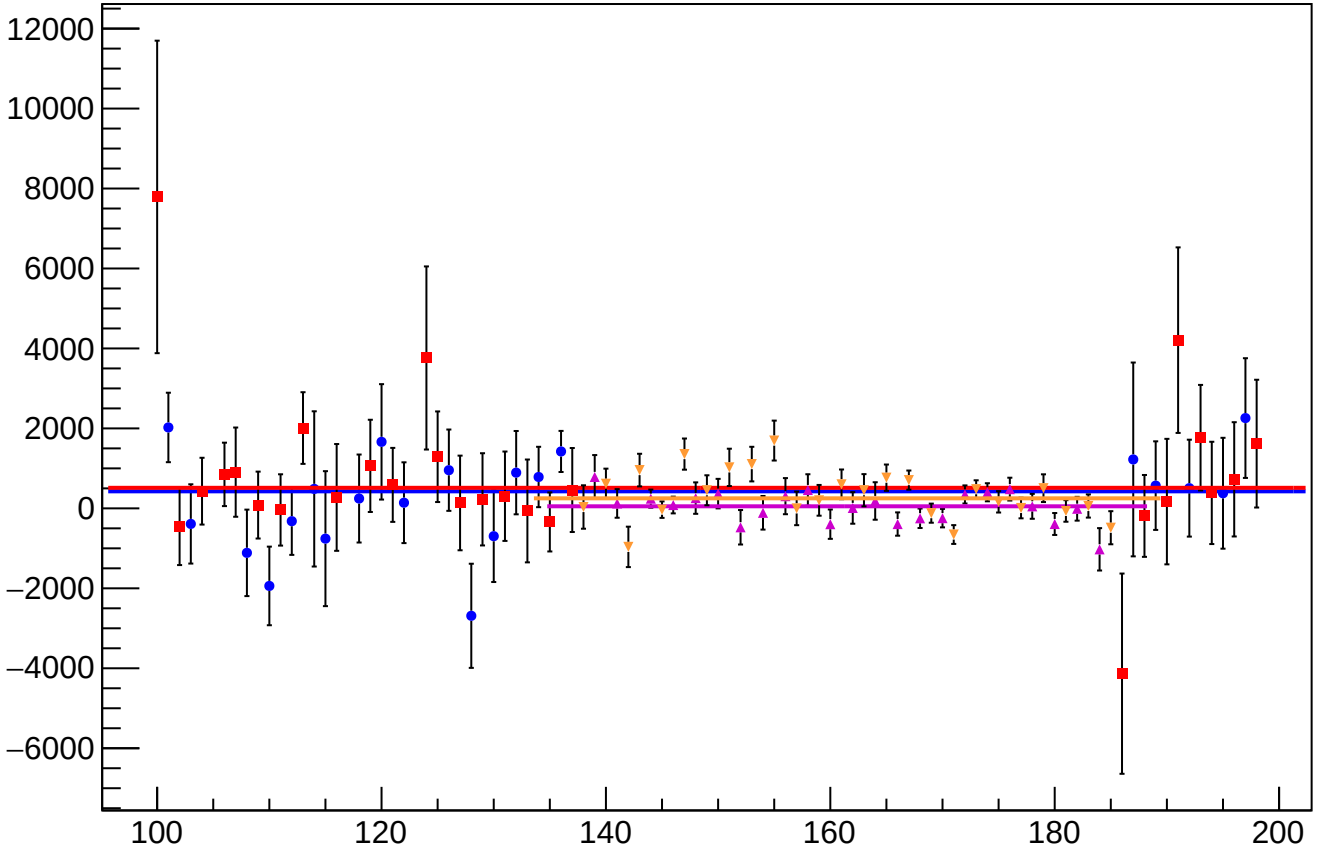
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 275.886+/-0.040 χ^2/NDF: 11794967.4/45

All: 277.145+/-0.028 χ^2/NDF: 25649251.8/95

- sign 278.430+/-0.040 χ^2/NDF: 13852271.1/49

asym_sam_37_dd_mean vs Slug



Right In: 425.866+/-223.890 χ^2/NDF: 26.8/20

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 514.049+/-214.562 χ^2/NDF: 20.6/26

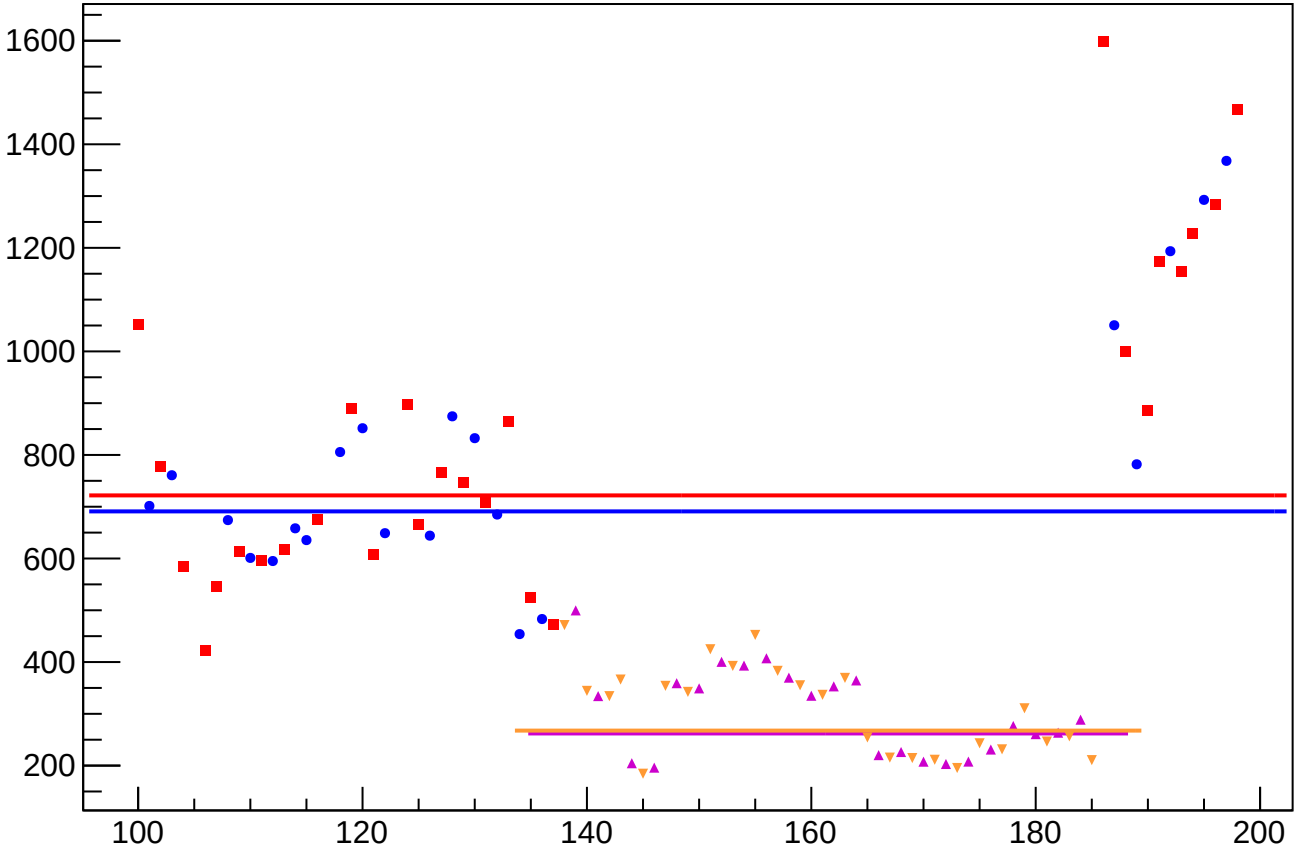
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 264.092+/-61.022 χ^2/NDF: 94.9/45

All: 176.944+/-43.209 χ^2/NDF: 150.6/95

- sign 89.312+/-61.192 χ^2/NDF: 51.7/49

asym_sam_37_dd_rms vs Slug



Right In: 690.979+/-0.158 χ^2/NDF: 1891538.4/20

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

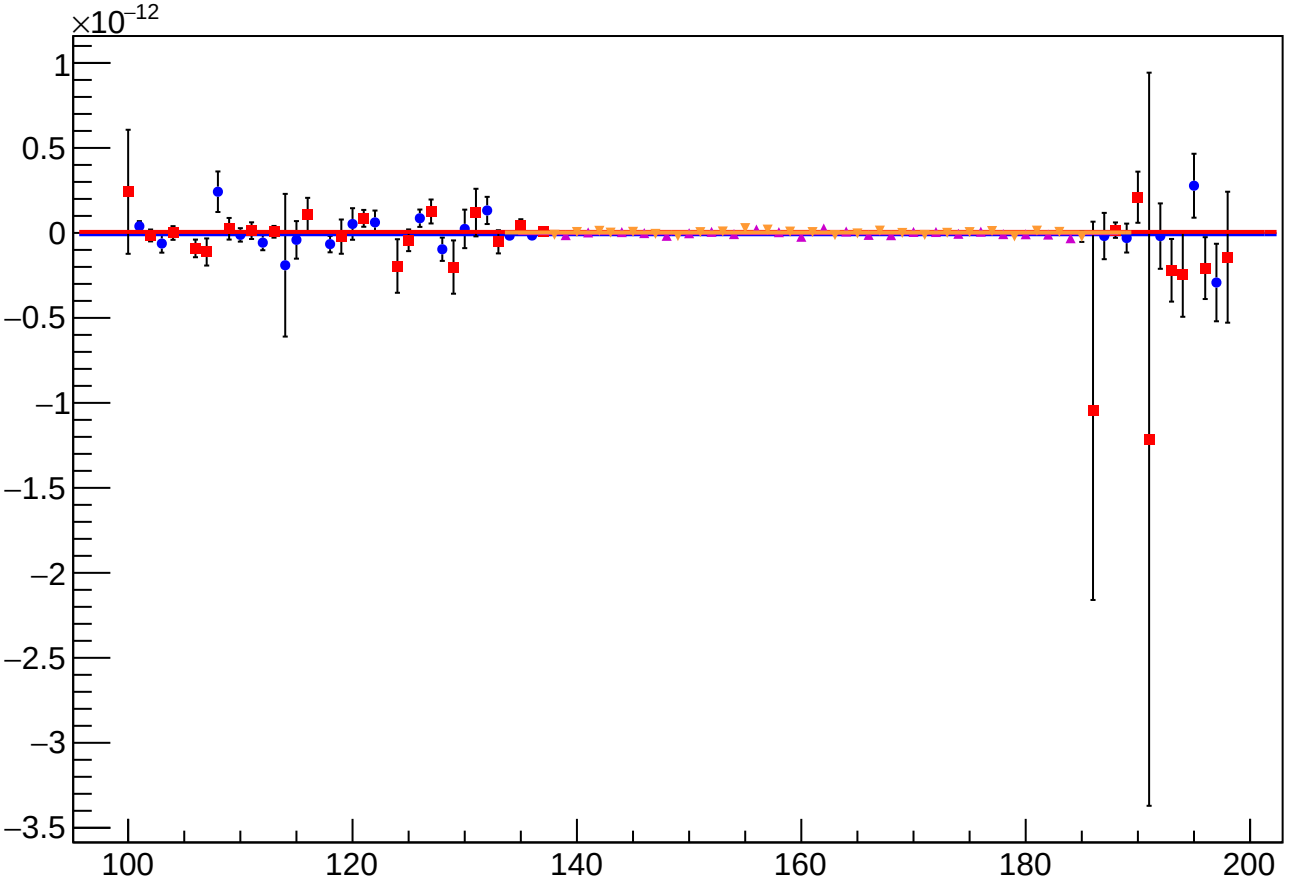
Right Out: 721.864+/-0.152 χ^2/NDF: 2648911.1/26

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 299.041+/-0.043 χ^2/NDF: 11313917.4/45

All: 299.264+/-0.031 χ^2/NDF: 24936957.8/95

- sign 299.488+/-0.043 χ^2/NDF: 13622986.9/49



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

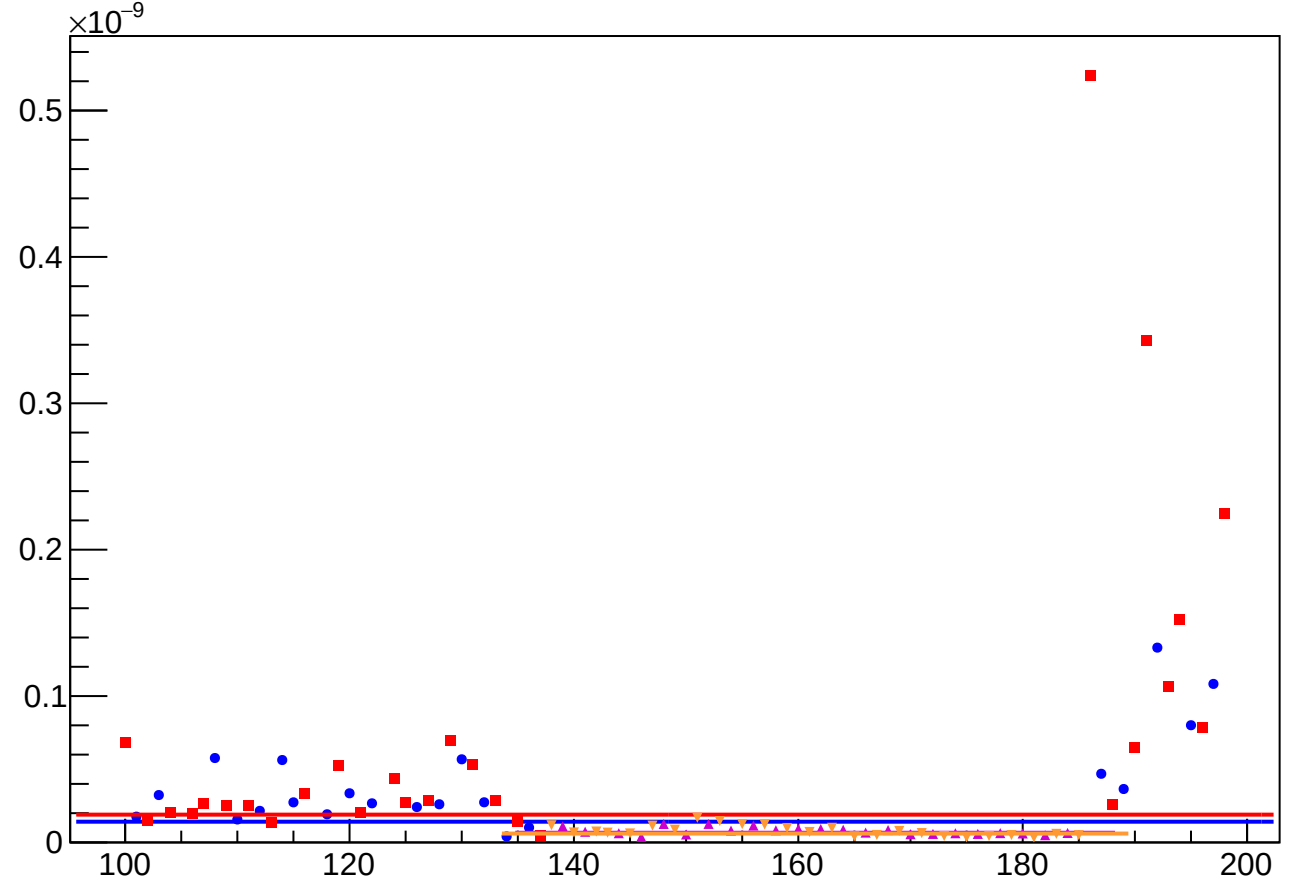
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/26

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.3/45

All: 0.000+/-0.000 χ^2/NDF: 81.7/95

- sign -0.000+/-0.000 χ^2/NDF: 39.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 3710418.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4197243.0/26

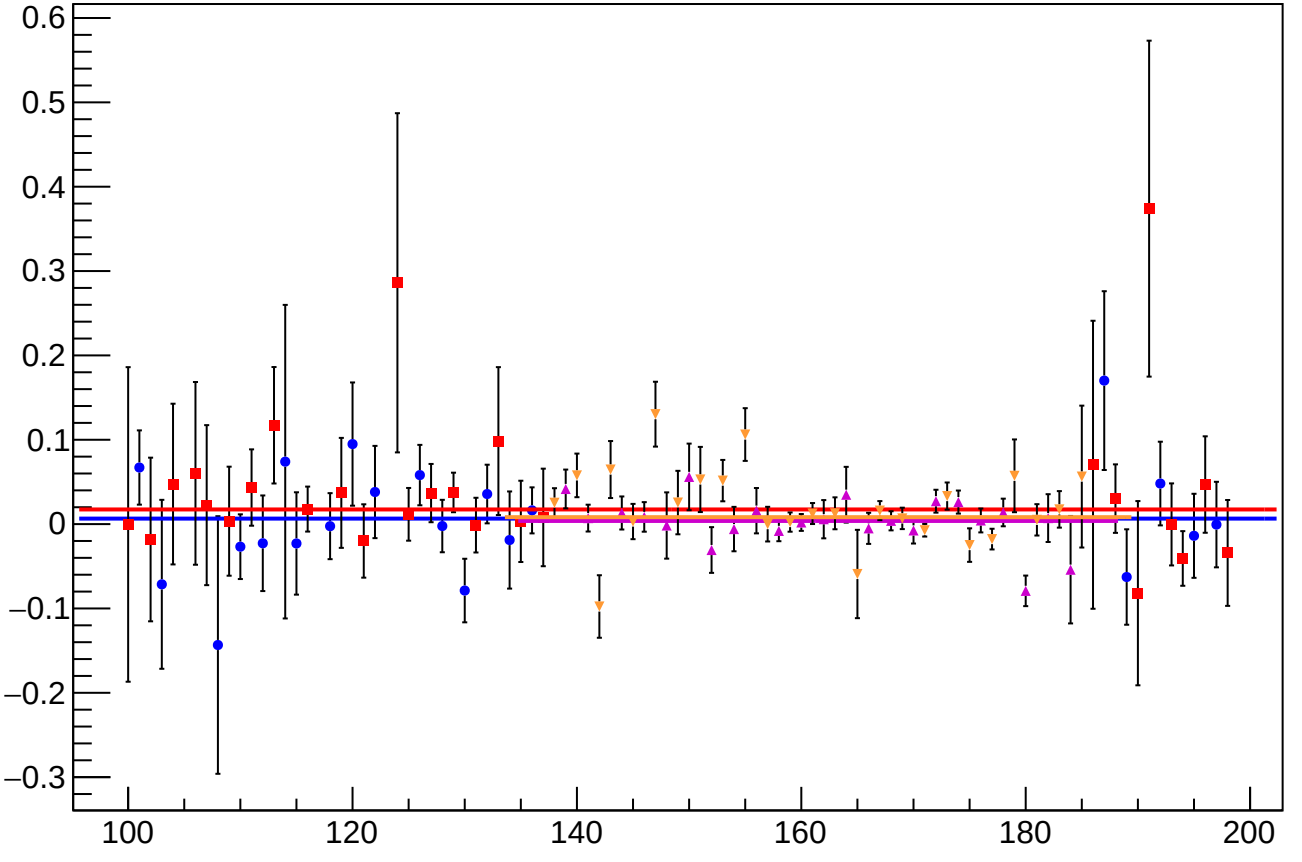
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7556301.3/45

All: 0.000+/-0.000 χ^2/NDF: 15361183.2/95

- sign 0.000+/-0.000 χ^2/NDF: 7725155.3/49

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.009 χ^2/NDF: 16.4/26

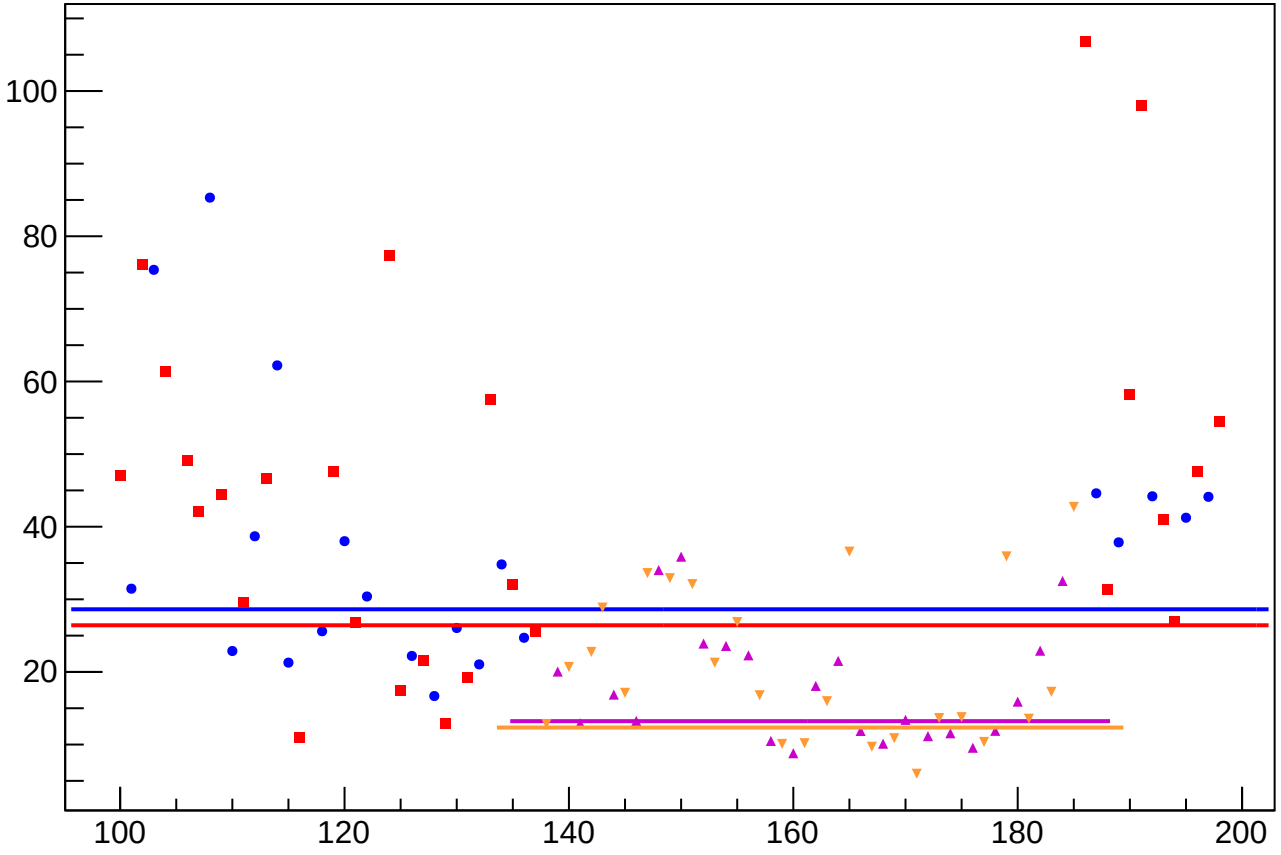
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/45

All: 0.007+/-0.002 χ^2/NDF: 134.4/95

- sign 0.006+/-0.003 χ^2/NDF: 55.5/49

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.627+/-0.007 χ^2/NDF: 2108245.2/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.426+/-0.007 χ^2/NDF: 5318690.7/26

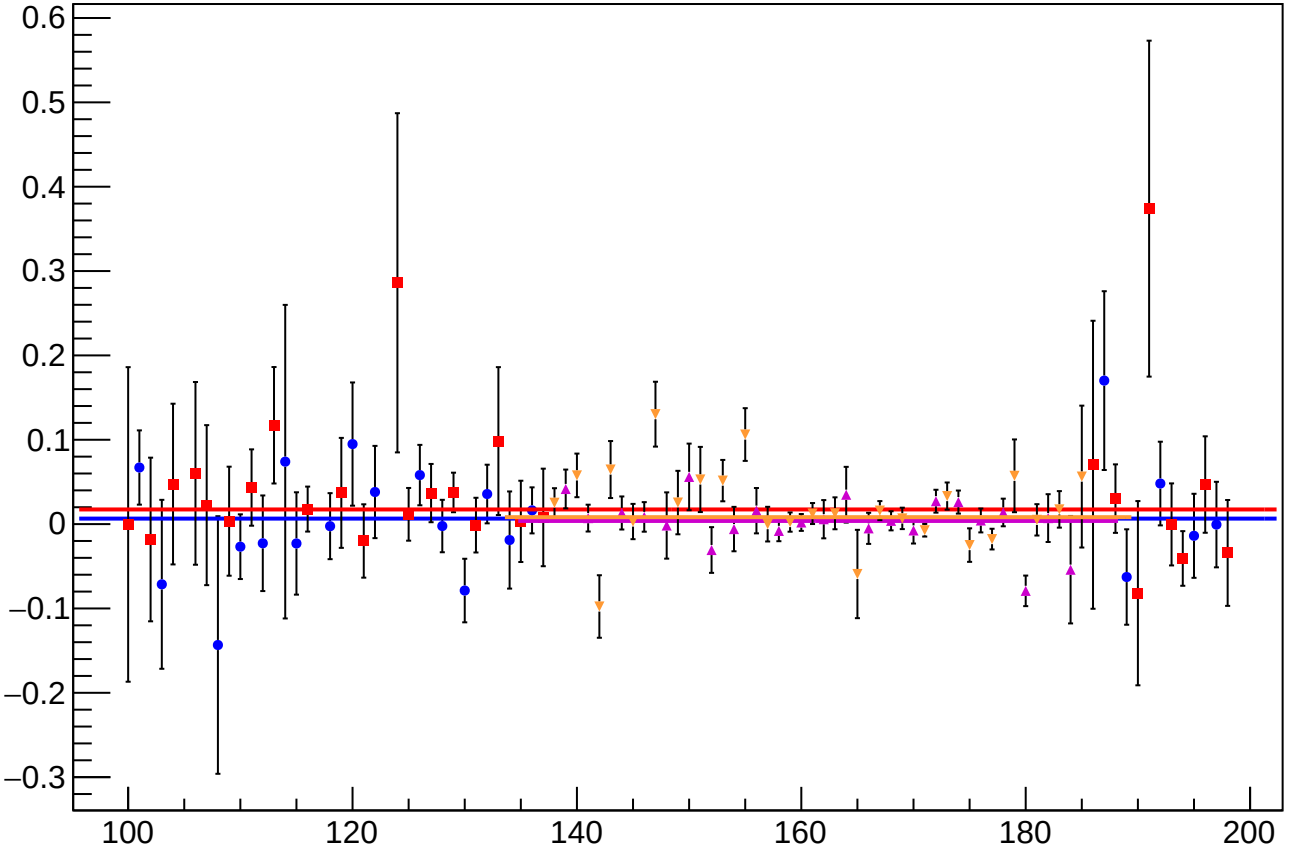
Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.034+/-0.002 χ^2/NDF: 13469690.7/45

All: 14.500+/-0.002 χ^2/NDF: 26288998.7/95

- sign 14.998+/-0.002 χ^2/NDF: 12735297.4/49

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.009 χ^2/NDF: 16.4/26

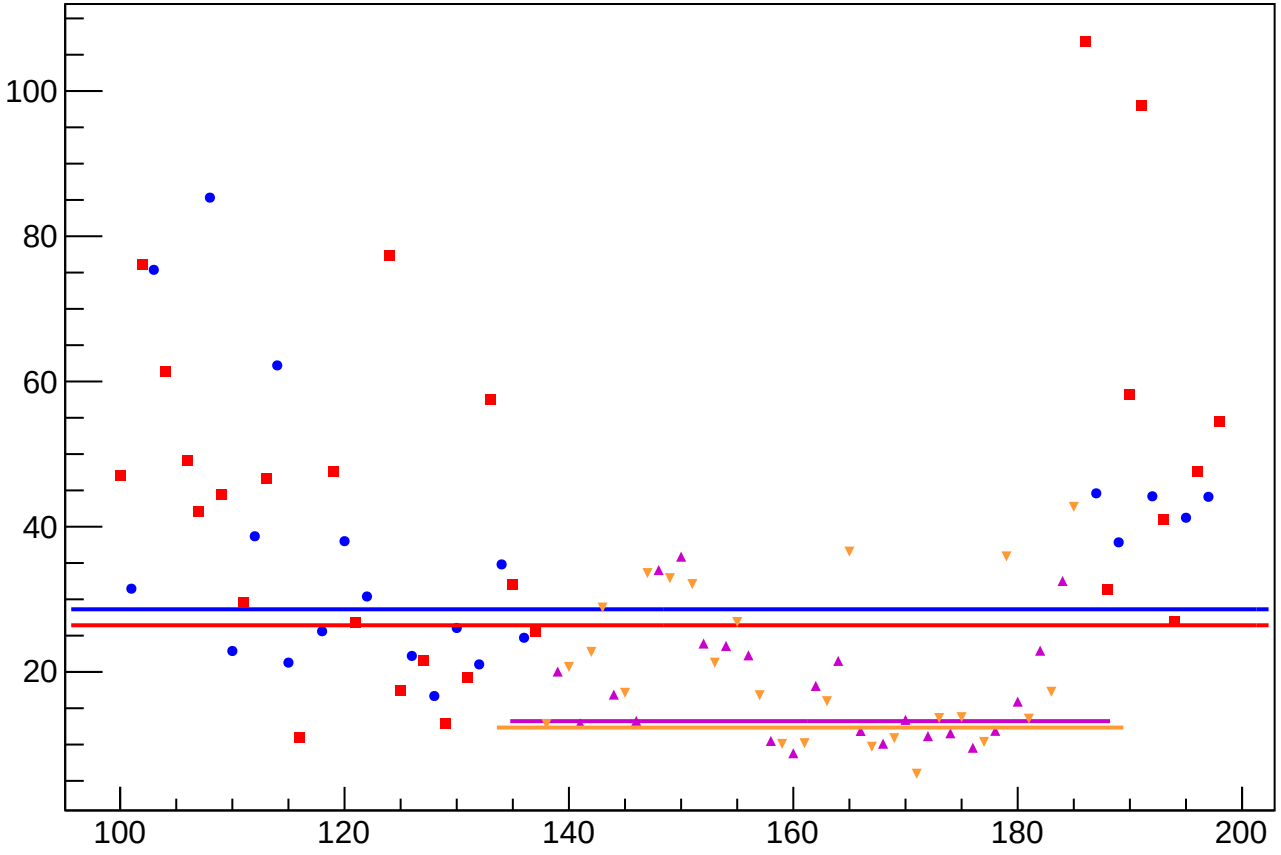
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/45

All: 0.007+/-0.002 χ^2/NDF: 134.4/95

- sign 0.006+/-0.003 χ^2/NDF: 55.5/49

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.627+/-0.007 χ^2/NDF: 2108245.2/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

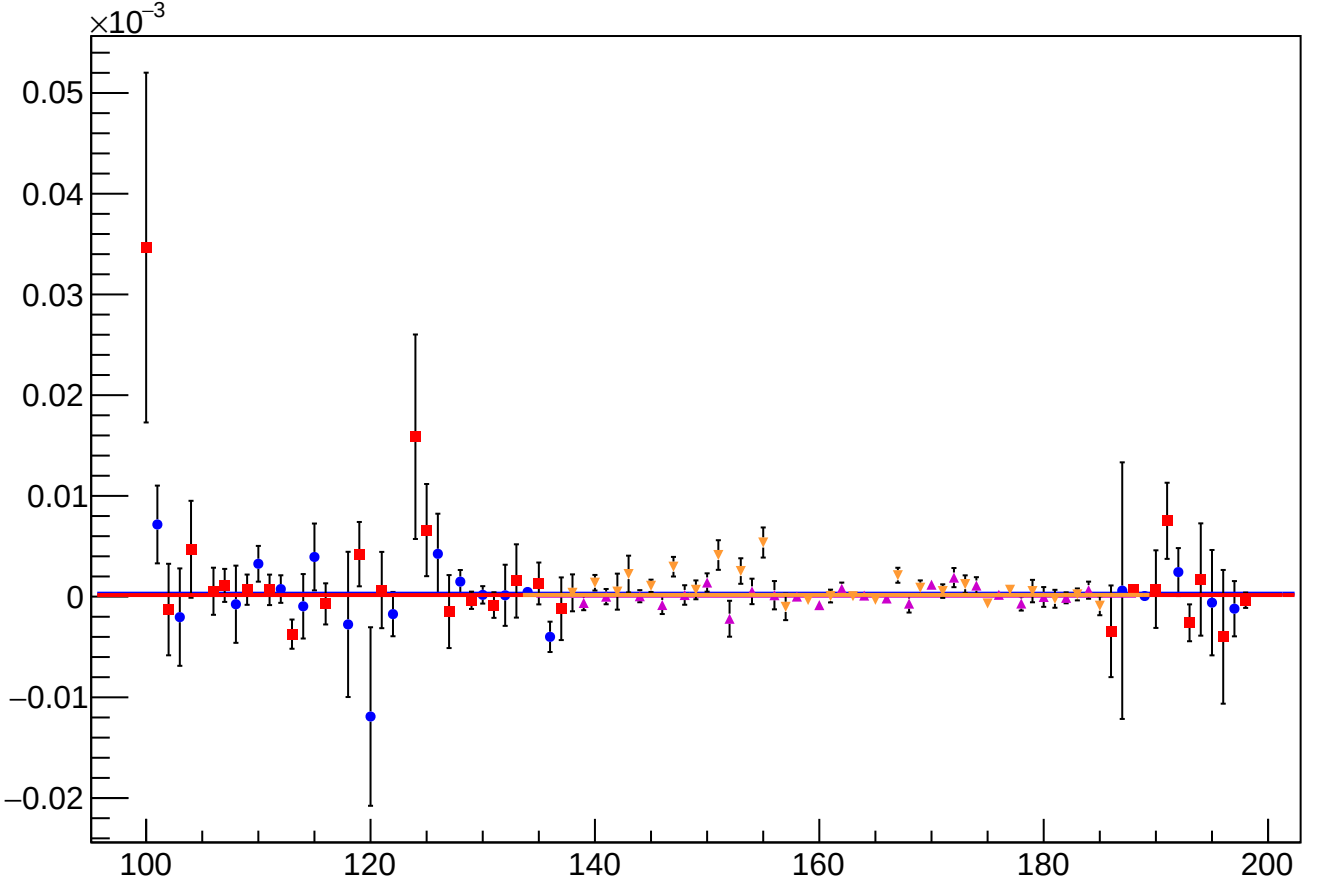
Right Out: 26.426+/-0.007 χ^2/NDF: 5318690.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.034+/-0.002 χ^2/NDF: 13469690.7/45

All: 14.500+/-0.002 χ^2/NDF: 26288998.7/95

- sign 14.998+/-0.002 χ^2/NDF: 12735297.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/26

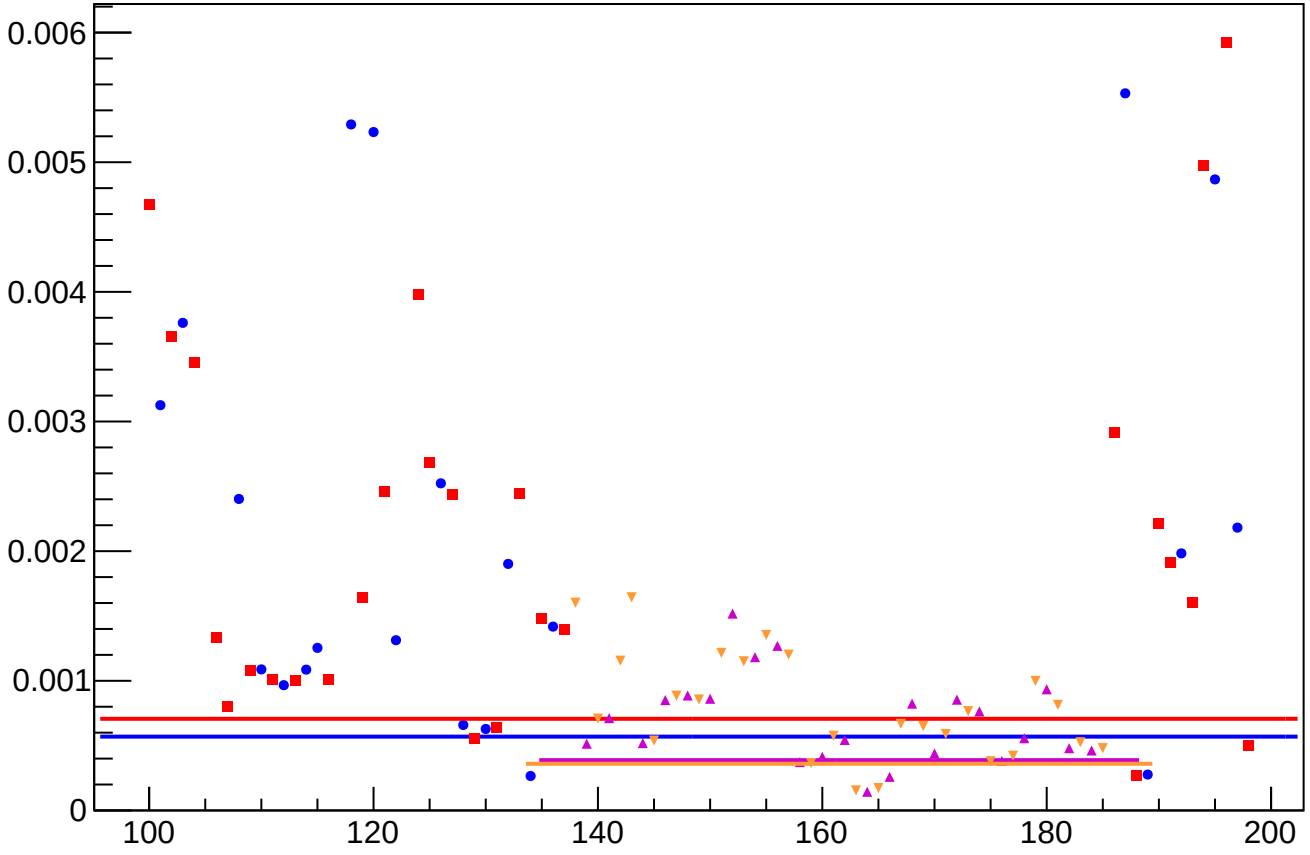
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 84.0/45

All: 0.000+/-0.000 χ^2/NDF: 138.7/95

- sign 0.000+/-0.000 χ^2/NDF: 54.4/49

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10483177.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10386733.7/26

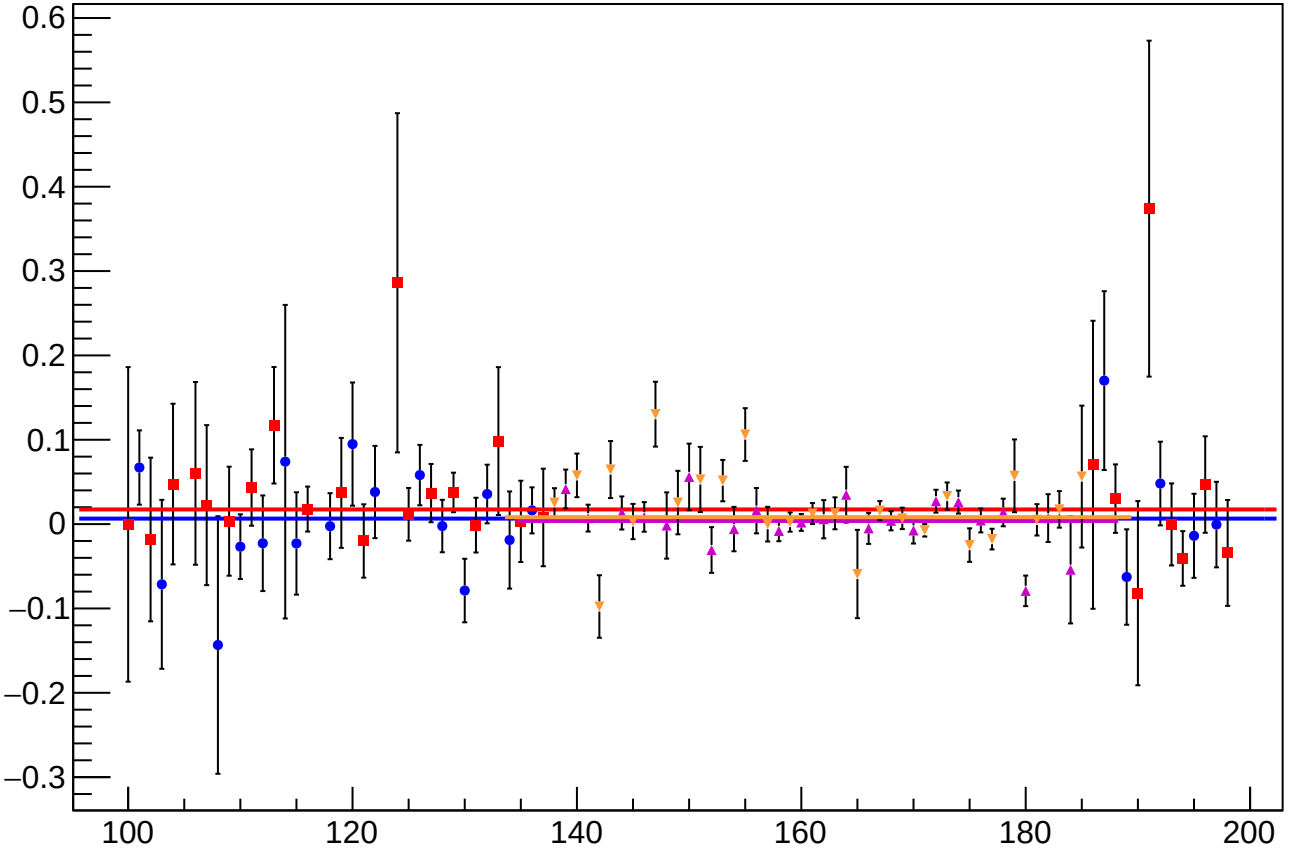
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 25529265.9/45

All: 0.000+/-0.000 χ^2/NDF: 48639049.9/95

- sign 0.000+/-0.000 χ^2/NDF: 22936004.0/49

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

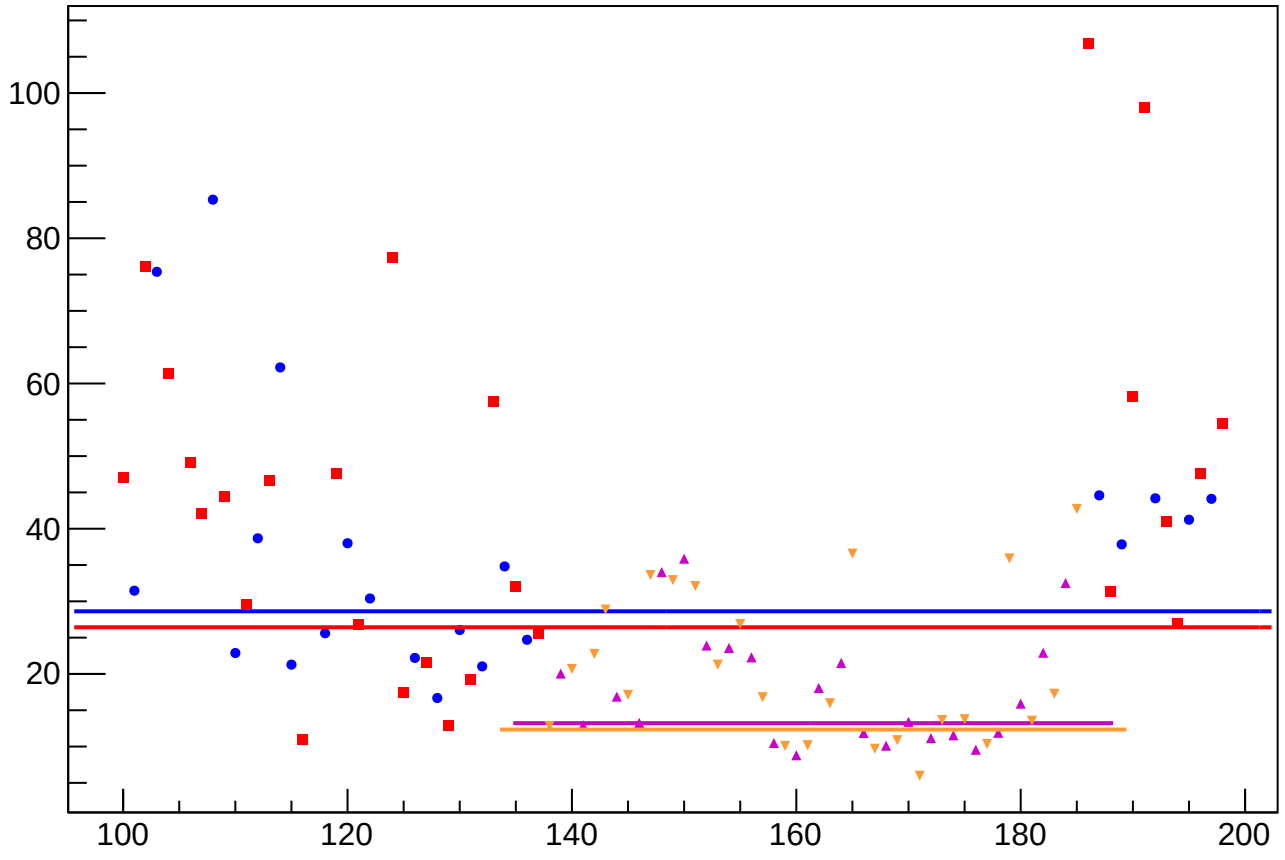
Right Out: 0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/45

All: 0.007+/-0.002 χ^2/NDF: 134.4/95

- sign 0.006+/-0.003 χ^2/NDF: 55.5/49



Right In: 28.627+/-0.007 χ^2/NDF: 2108179.3/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

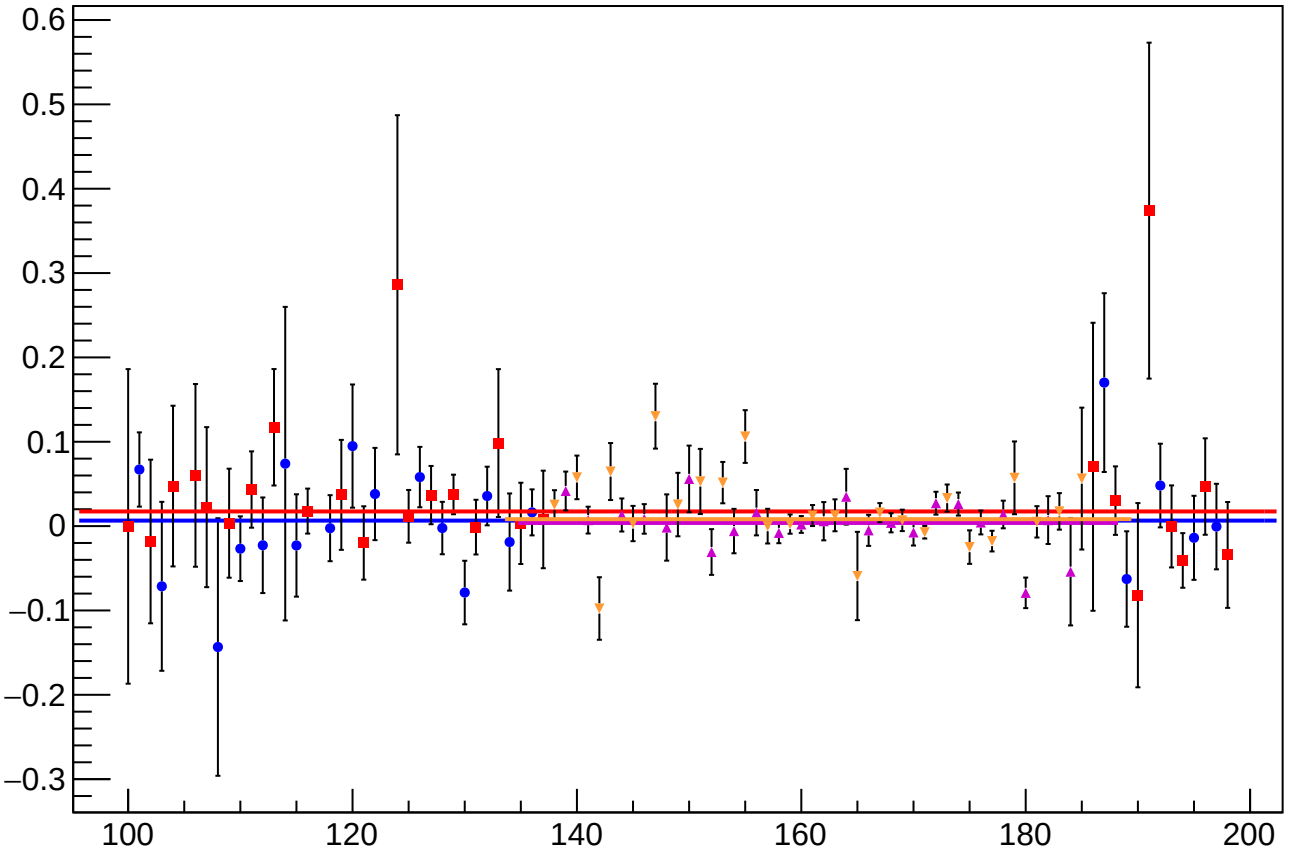
Right Out: 26.427+/-0.007 χ^2/NDF: 5318389.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.035+/-0.002 χ^2/NDF: 13469927.4/45

All: 14.500+/-0.002 χ^2/NDF: 26289286.3/95

- sign 14.998+/-0.002 χ^2/NDF: 12735352.4/49



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

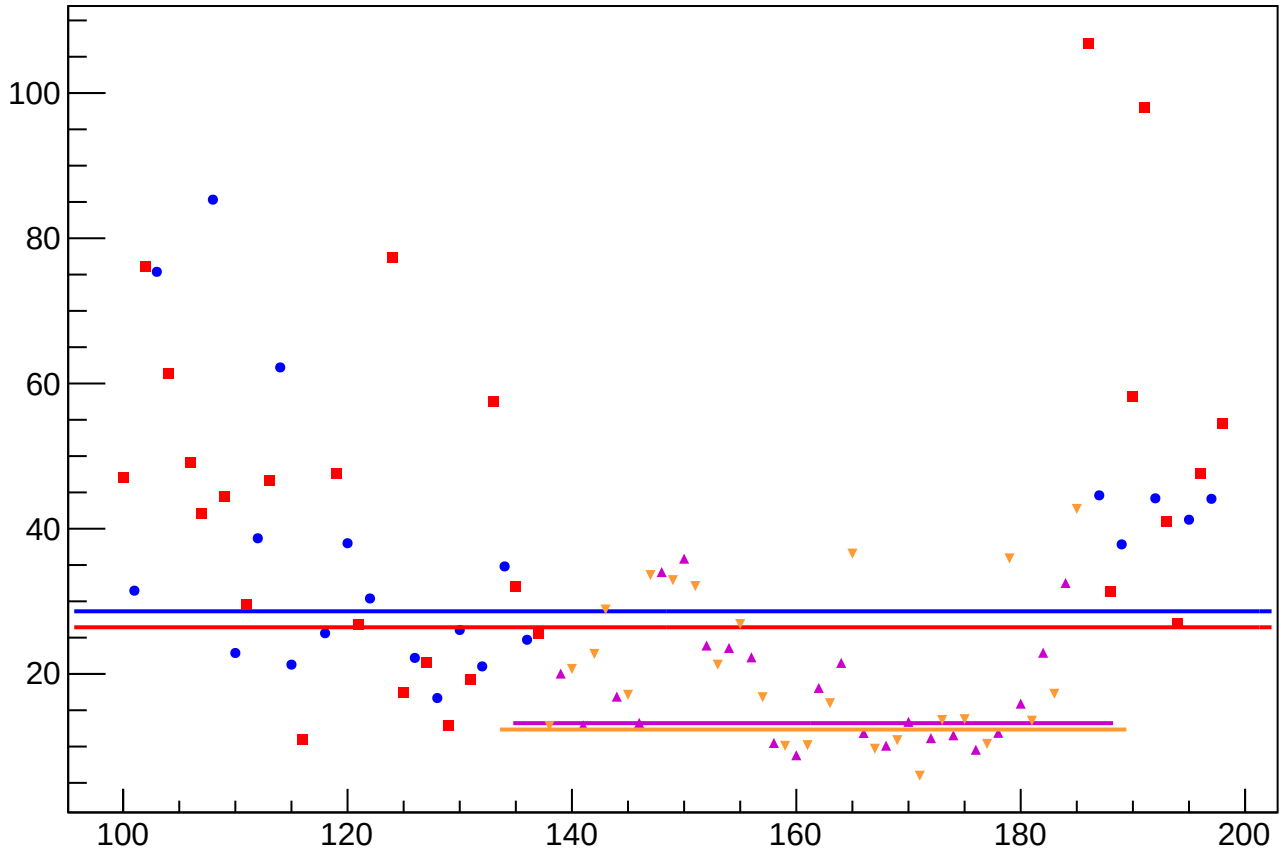
Right Out: 0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/45

All: 0.007+/-0.002 χ^2/NDF: 134.4/95

- sign 0.006+/-0.003 χ^2/NDF: 55.5/49



Right In: 28.627+/-0.007 χ^2/NDF: 2108179.3/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

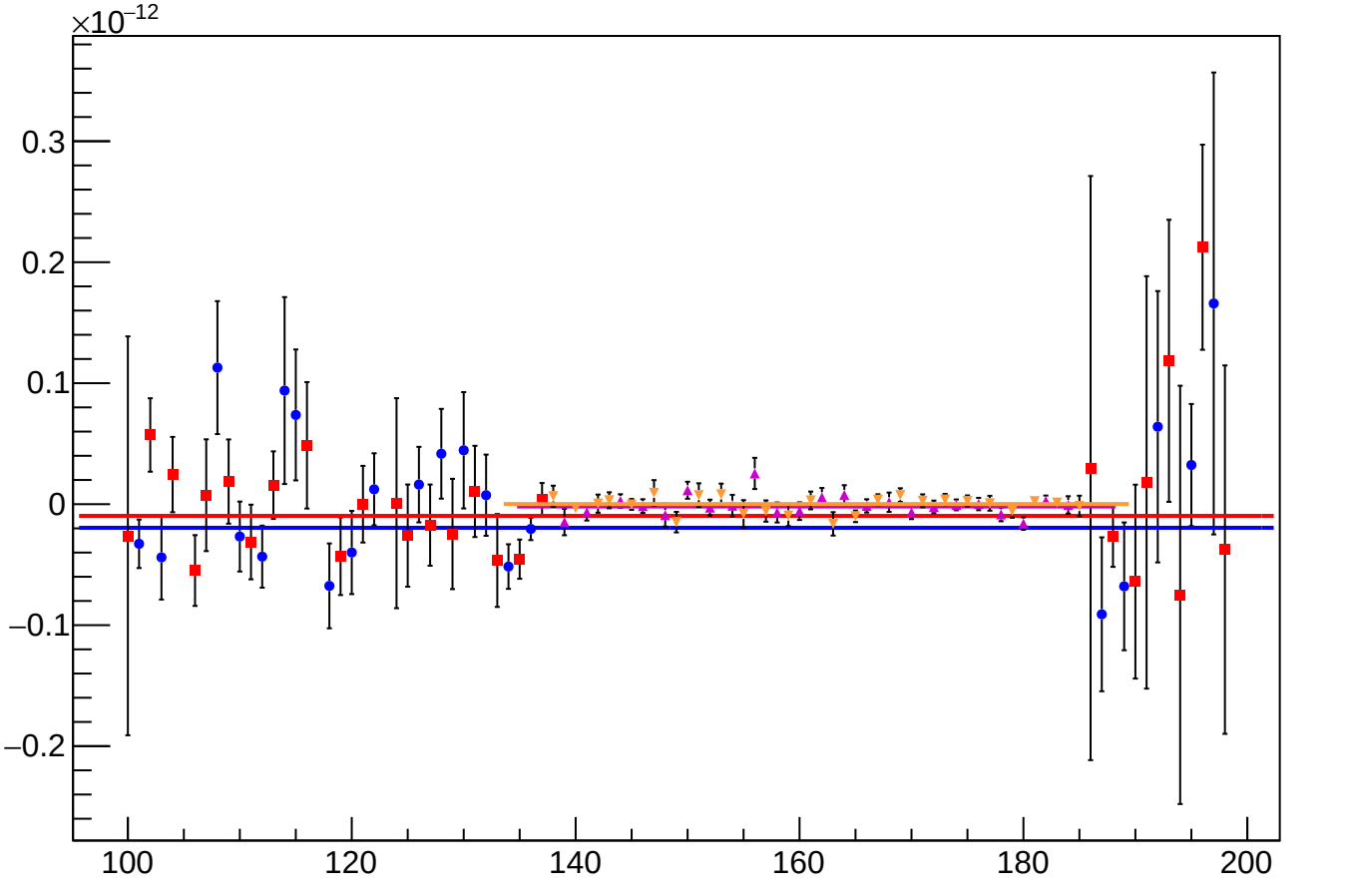
Right Out: 26.427+/-0.007 χ^2/NDF: 5318389.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

\+ sign 14.035+/-0.002 χ^2/NDF: 13469927.4/45

All: 14.500+/-0.002 χ^2/NDF: 26289286.3/95

\- sign 14.998+/-0.002 χ^2/NDF: 12735352.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

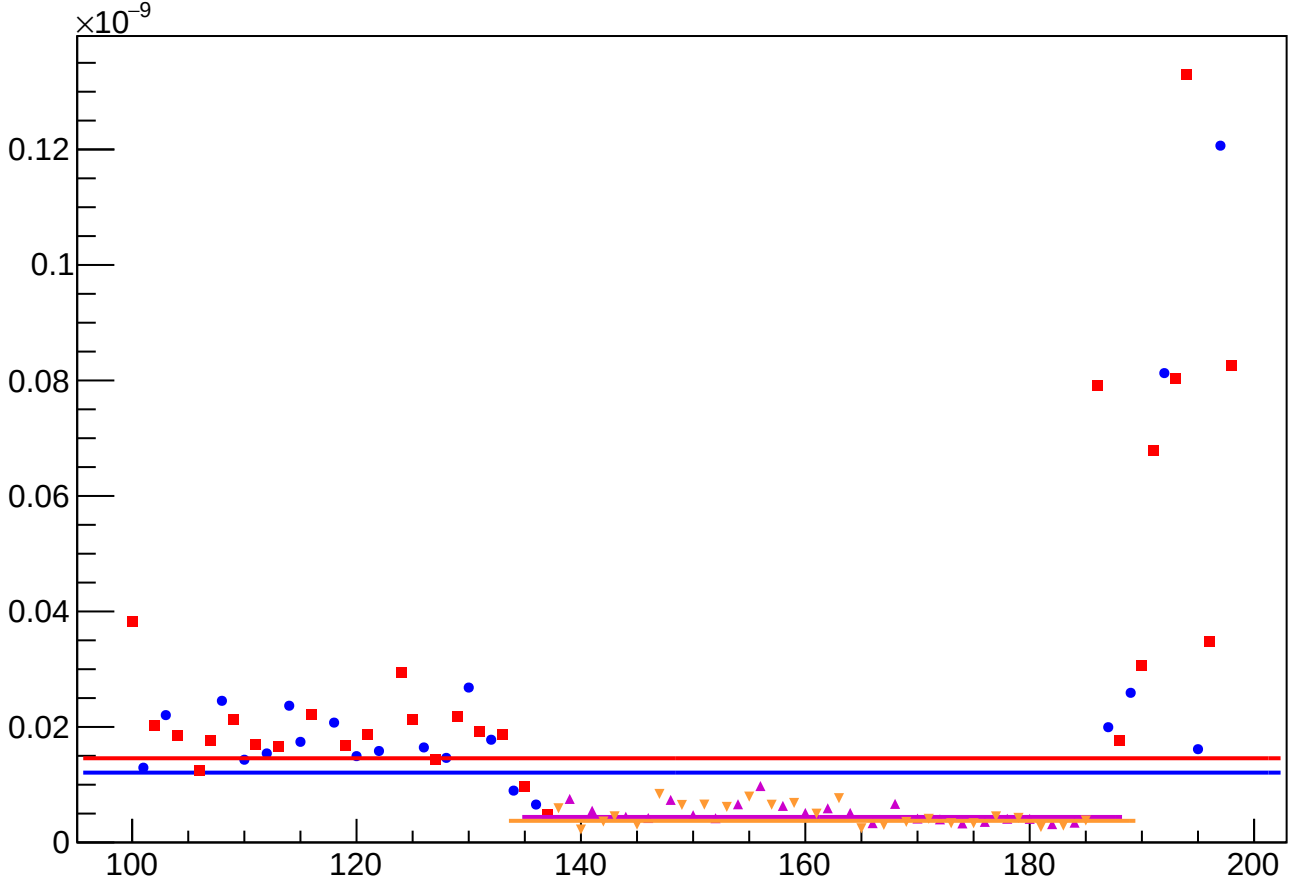
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/26

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.4/45

All: -0.000+/-0.000 χ^2/NDF: 119.6/95

- sign -0.000+/-0.000 χ^2/NDF: 56.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 3208046.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4267483.0/26

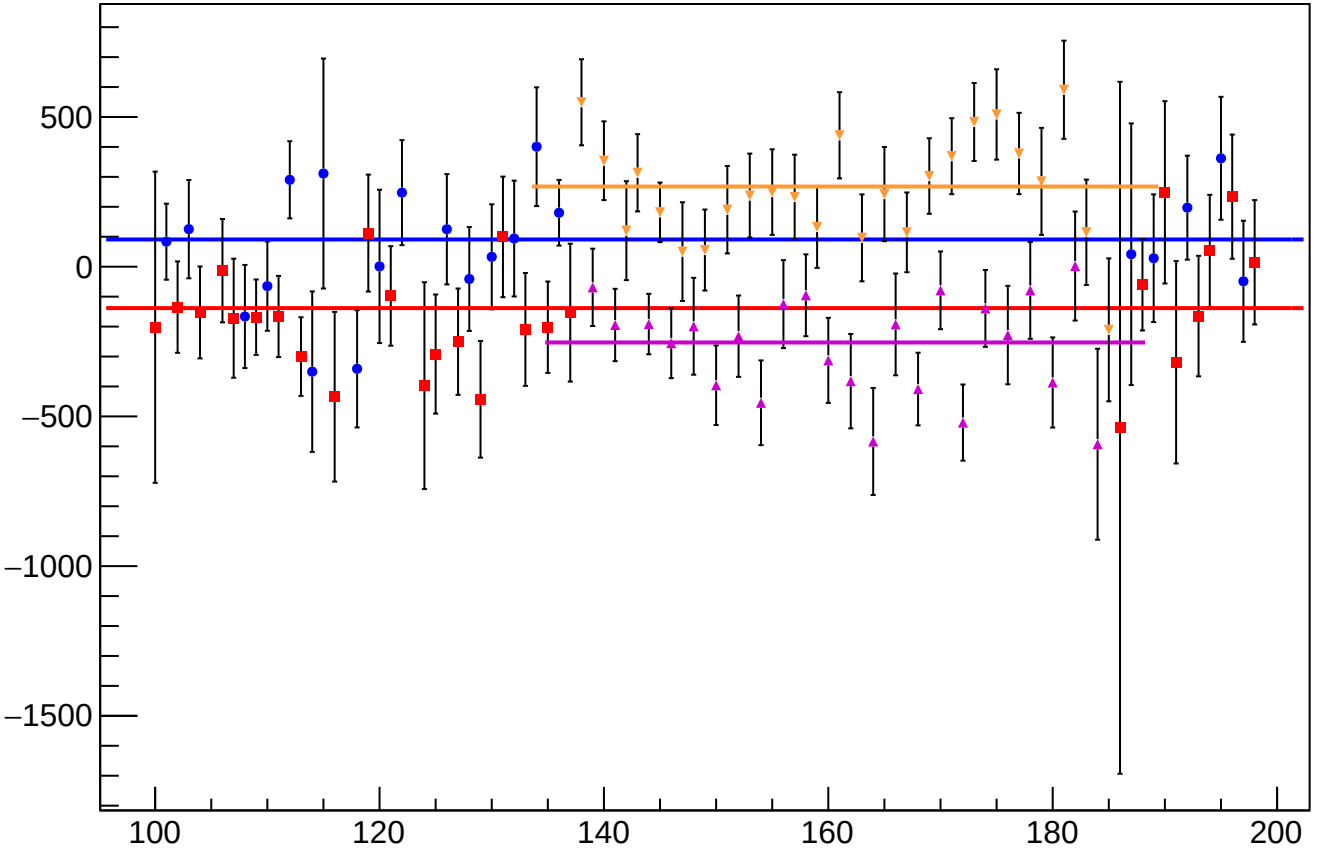
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10126803.0/45

All: 0.000+/-0.000 χ^2/NDF: 21243521.8/95

- sign 0.000+/-0.000 χ^2/NDF: 10722352.5/49

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.913+/-38.578 χ^2/NDF: 21.1/20

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -138.315+/-36.099 χ^2/NDF: 17.8/26

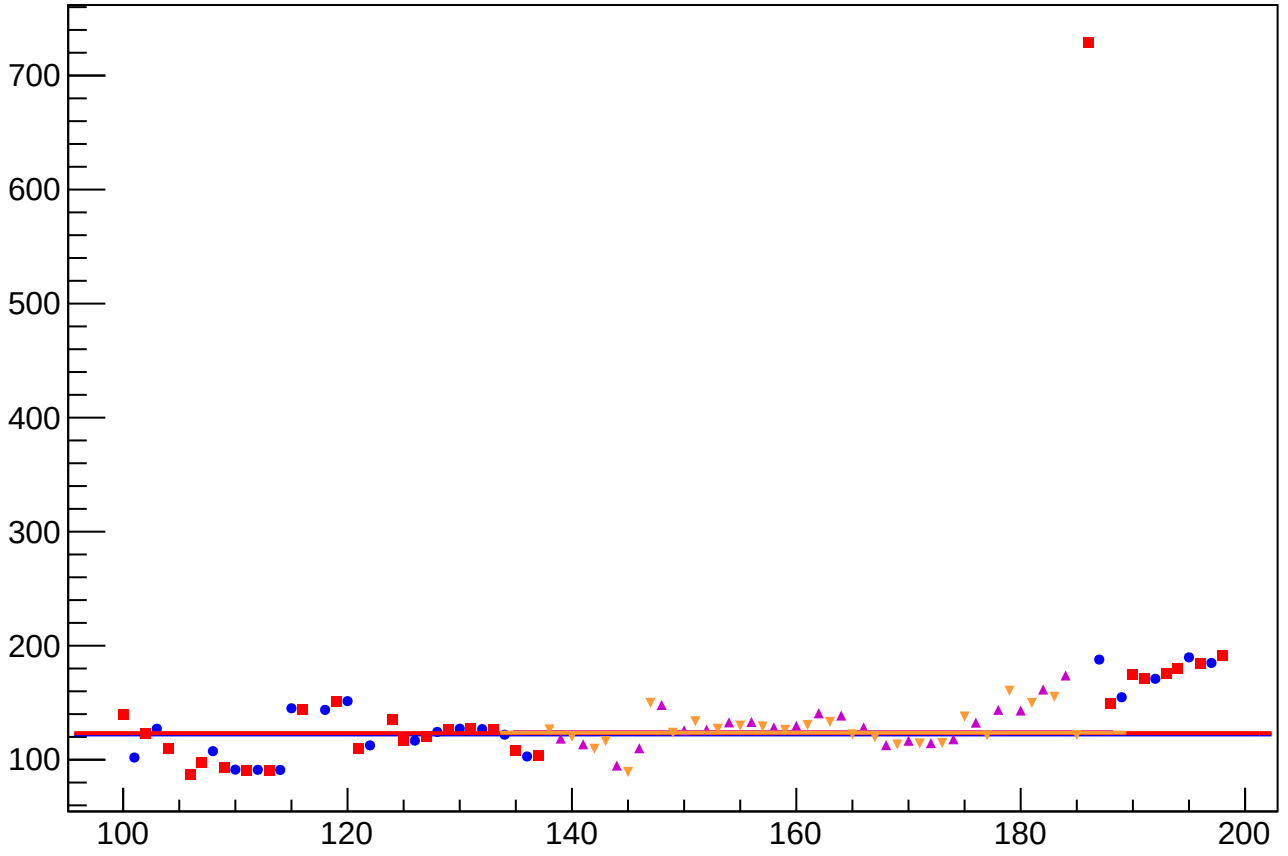
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 205.597+/-22.875 χ^2/NDF: 65.7/45

All: -2.010+/-16.133 χ^2/NDF: 279.7/95

- sign -207.457+/-22.756 χ^2/NDF: 50.1/49

reg_asym_sam_48_dd_rms vs Slug



Right In: 122.188+/-0.027 χ^2/NDF: 1085052.7/20

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 123.321+/-0.026 χ^2/NDF: 2015931.0/26

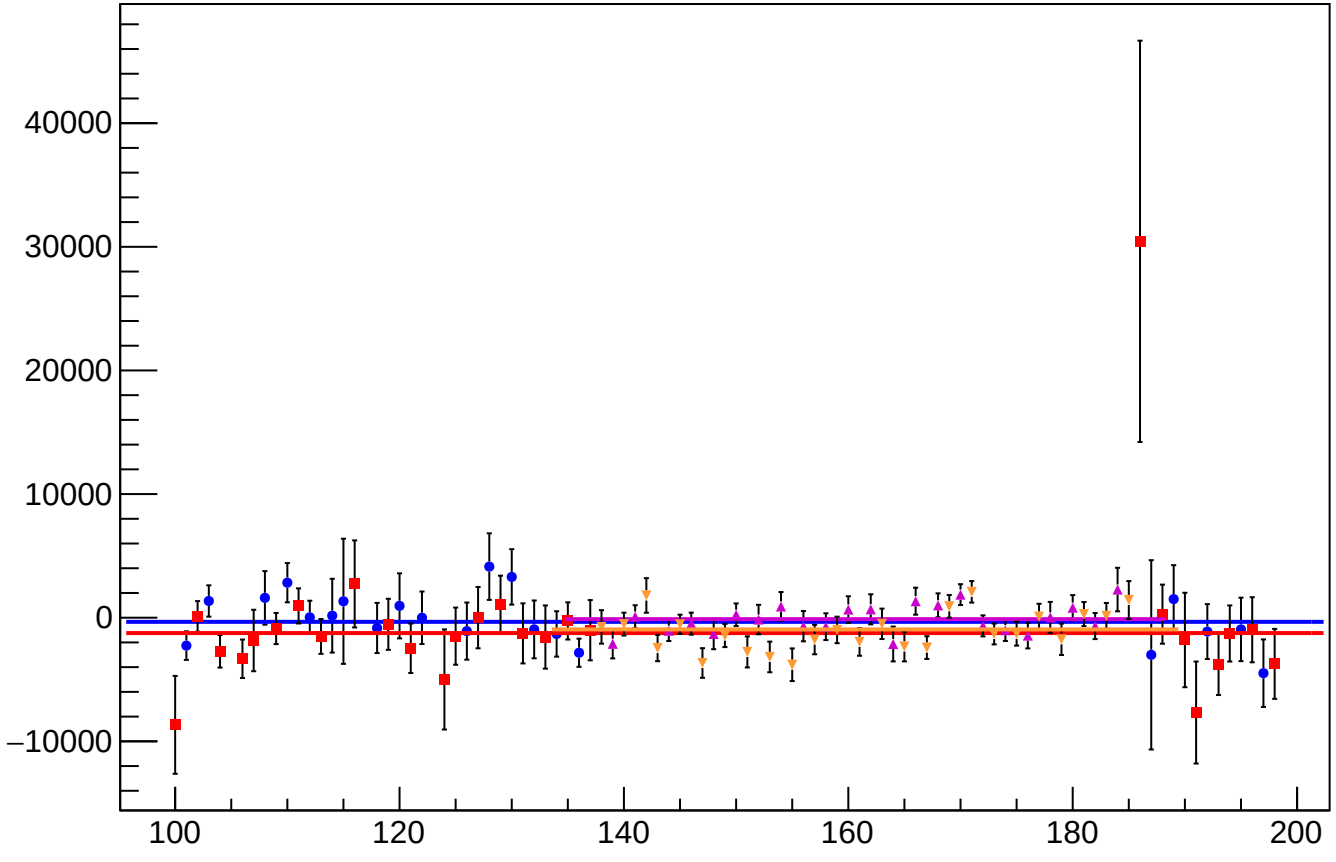
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 123.238+/-0.016 χ^2/NDF: 1685782.1/45

All: 123.564+/-0.011 χ^2/NDF: 4260548.3/95

- sign 123.886+/-0.016 χ^2/NDF: 2573958.9/49

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -334.540+/-418.398 χ^2/NDF: 23.6/20

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1242.530+/-391.667 χ^2/NDF: 23.1/26

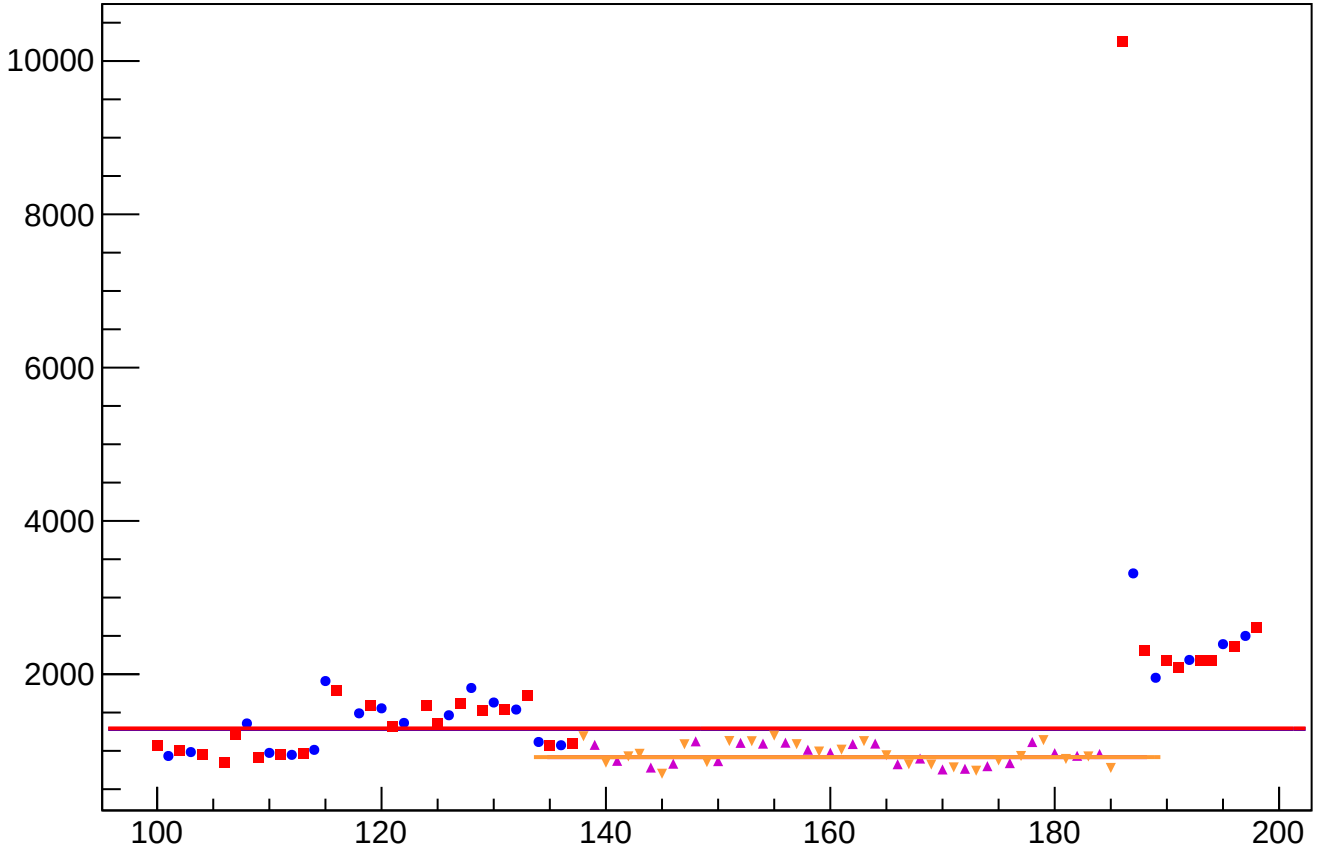
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -822.648+/-188.963 χ^2/NDF: 75.6/45

All: -603.818+/-133.956 χ^2/NDF: 132.1/95

- sign -382.754+/-189.925 χ^2/NDF: 53.8/49

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1285.195+/-0.296 χ^2/NDF: 2200718.3/20

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1292.574+/-0.277 χ^2/NDF: 3587804.0/26

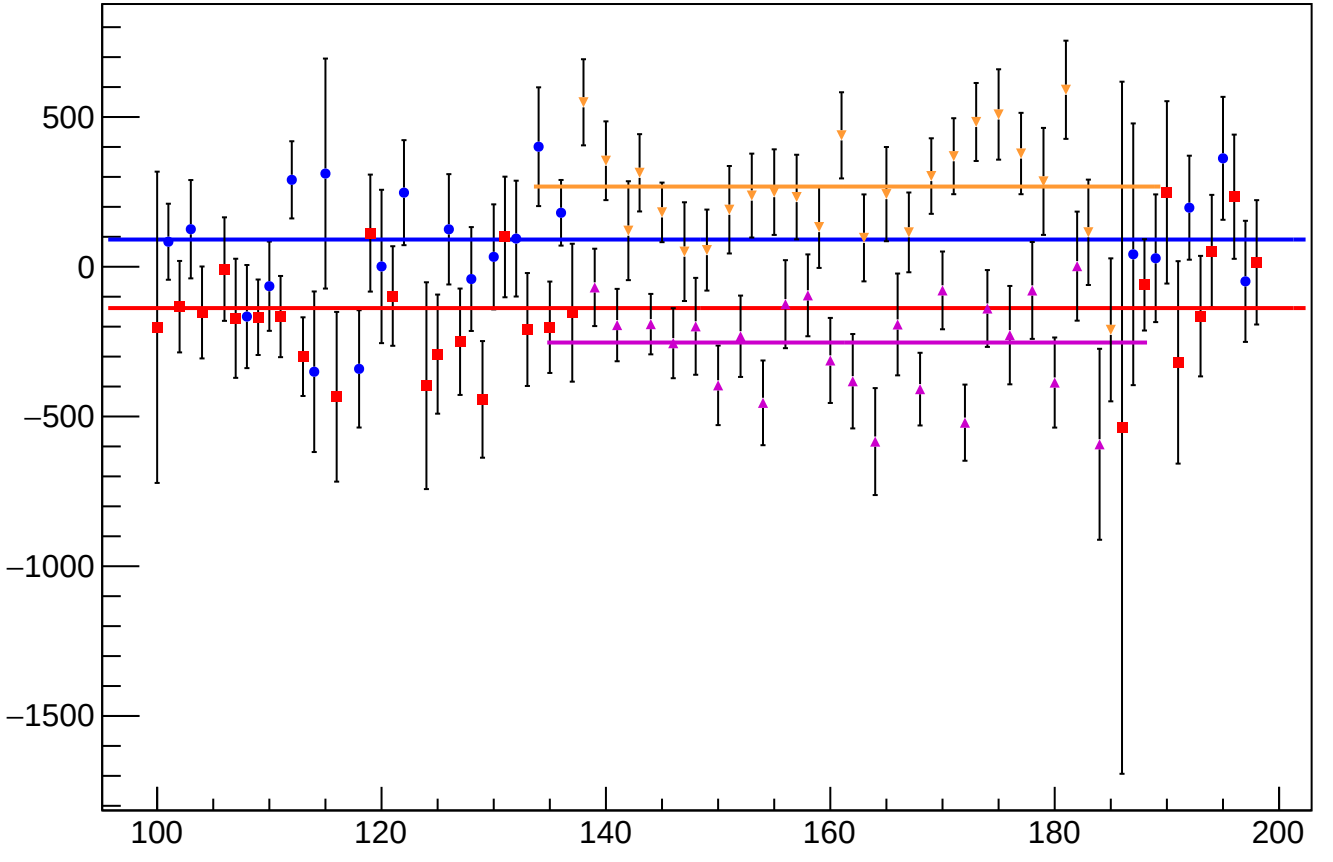
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 993.297+/-0.134 χ^2/NDF: 4311419.6/45

All: 999.736+/-0.095 χ^2/NDF: 9967670.9/95

- sign 1006.242+/-0.134 χ^2/NDF: 5651582.4/49

cor_asym_sam_48_dd_mean vs Slug



Right In: 90.903+/-38.578 χ^2/NDF: 21.1/20

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -137.998+/-36.103 χ^2/NDF: 17.9/26

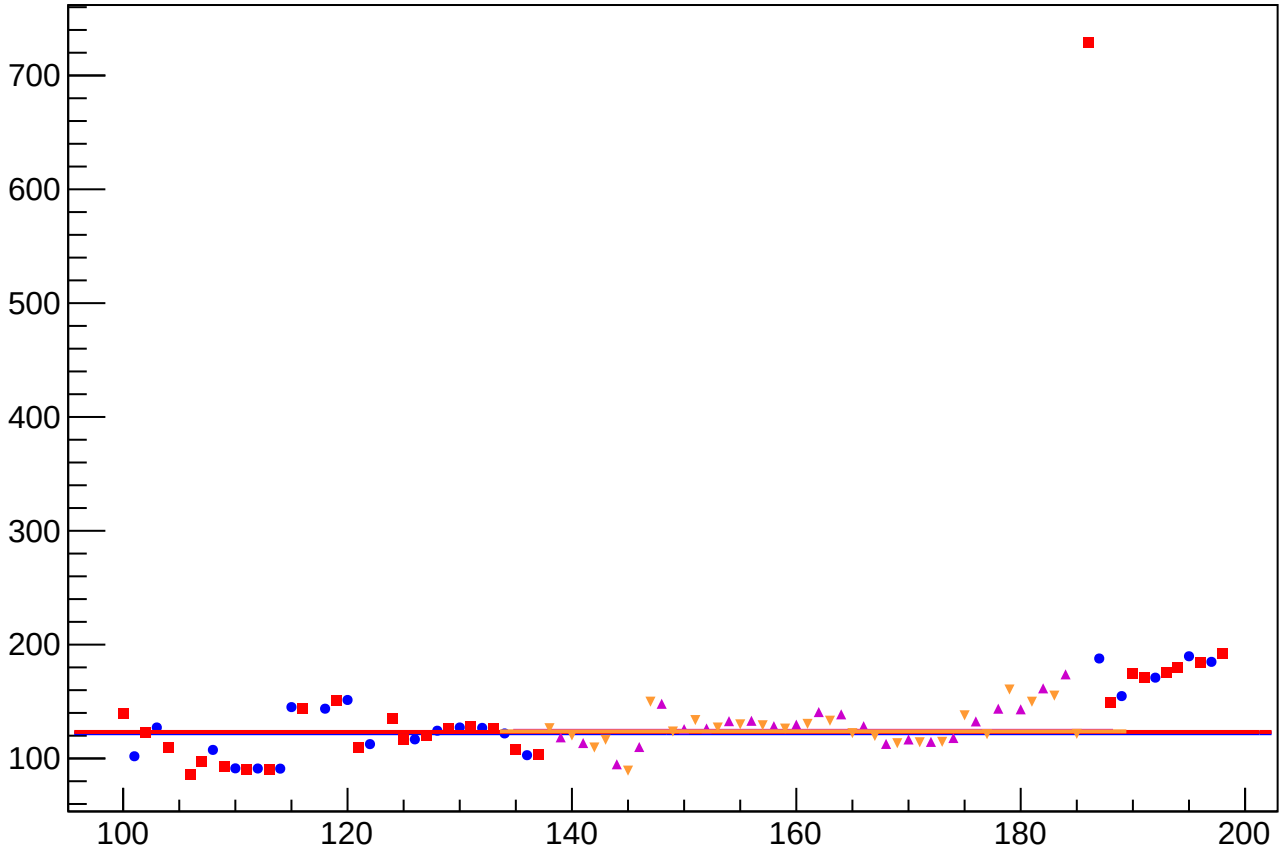
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 205.600+/-22.875 χ^2/NDF: 65.7/45

All: -1.941+/-16.133 χ^2/NDF: 279.7/95

- sign -207.339+/-22.757 χ^2/NDF: 50.2/49

cor_asym_sam_48_dd_rms vs Slug



Right In: 122.188+/-0.027 χ^2/NDF: 1085053.1/20

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

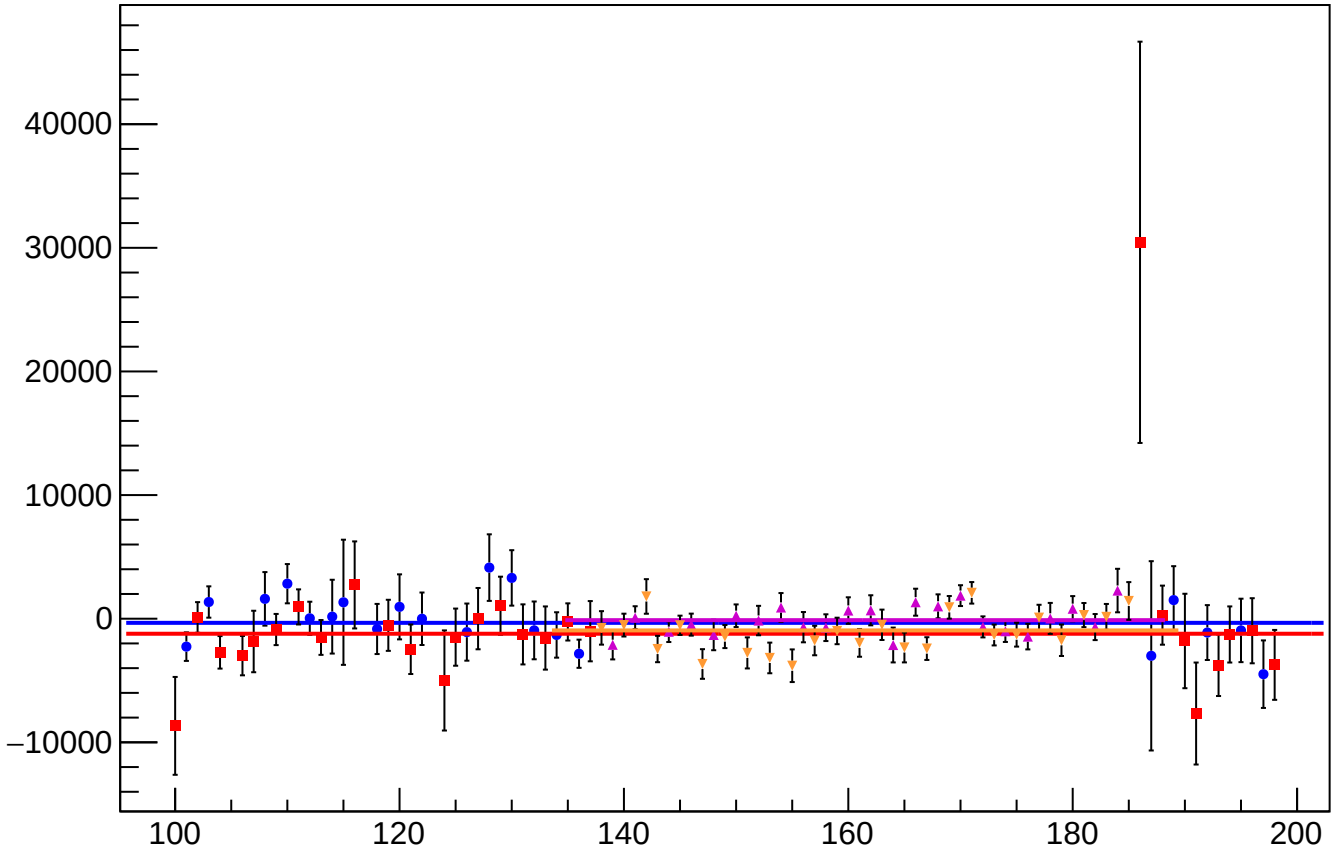
Right Out: 123.280+/-0.026 χ^2/NDF: 2021256.7/26

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 123.238+/-0.016 χ^2/NDF: 1685782.4/45

All: 123.556+/-0.011 χ^2/NDF: 4265907.2/95

- sign 123.870+/-0.016 χ^2/NDF: 2579357.7/49



Right In: -334.623+/-418.401 χ^2/NDF: 23.6/20

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1216.559+/-392.250 χ^2/NDF: 22.5/26

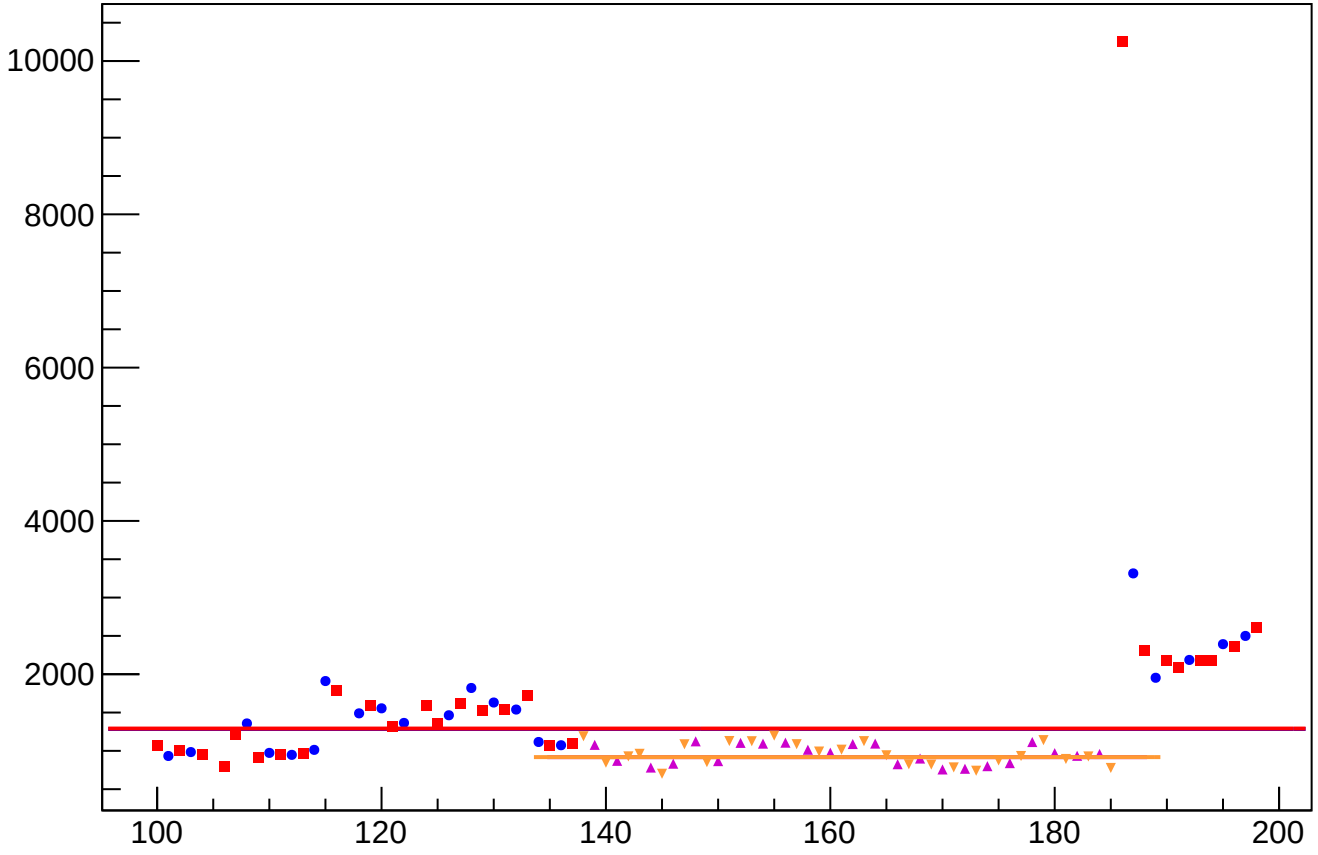
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -822.657+/-188.963 χ^2/NDF: 75.6/45

All: -600.571+/-133.979 χ^2/NDF: 131.2/95

- sign -376.062+/-189.991 χ^2/NDF: 52.9/49

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1285.205+/-0.296 χ^2/NDF: 2200660.3/20

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1290.859+/-0.277 χ^2/NDF: 3617469.8/26

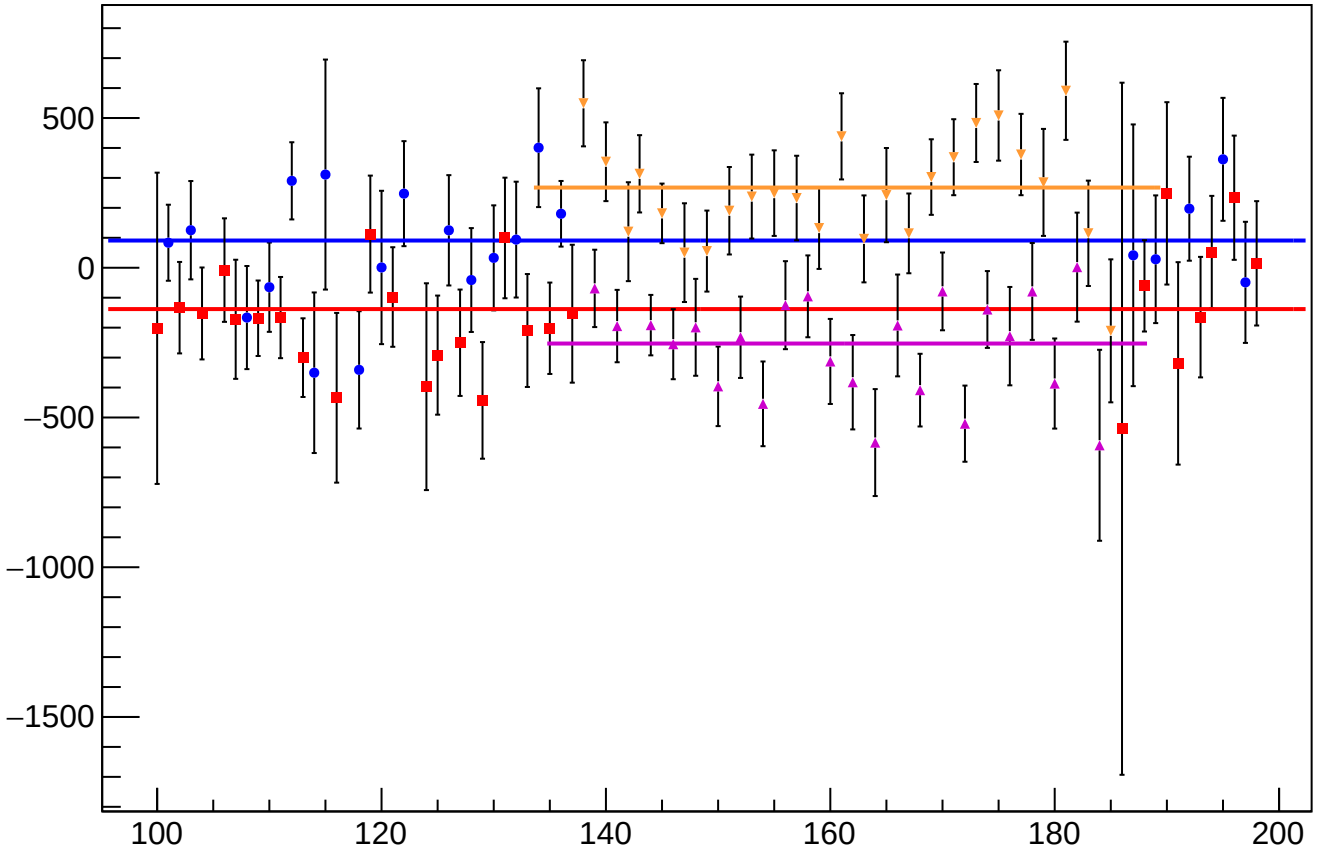
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 993.298+/-0.134 χ^2/NDF: 4311416.2/45

All: 999.435+/-0.095 χ^2/NDF: 9980980.8/95

- sign 1005.639+/-0.134 χ^2/NDF: 5665322.6/49

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 90.903+/-38.578 χ^2/NDF: 21.1/20

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -137.998+/-36.103 χ^2/NDF: 17.9/26

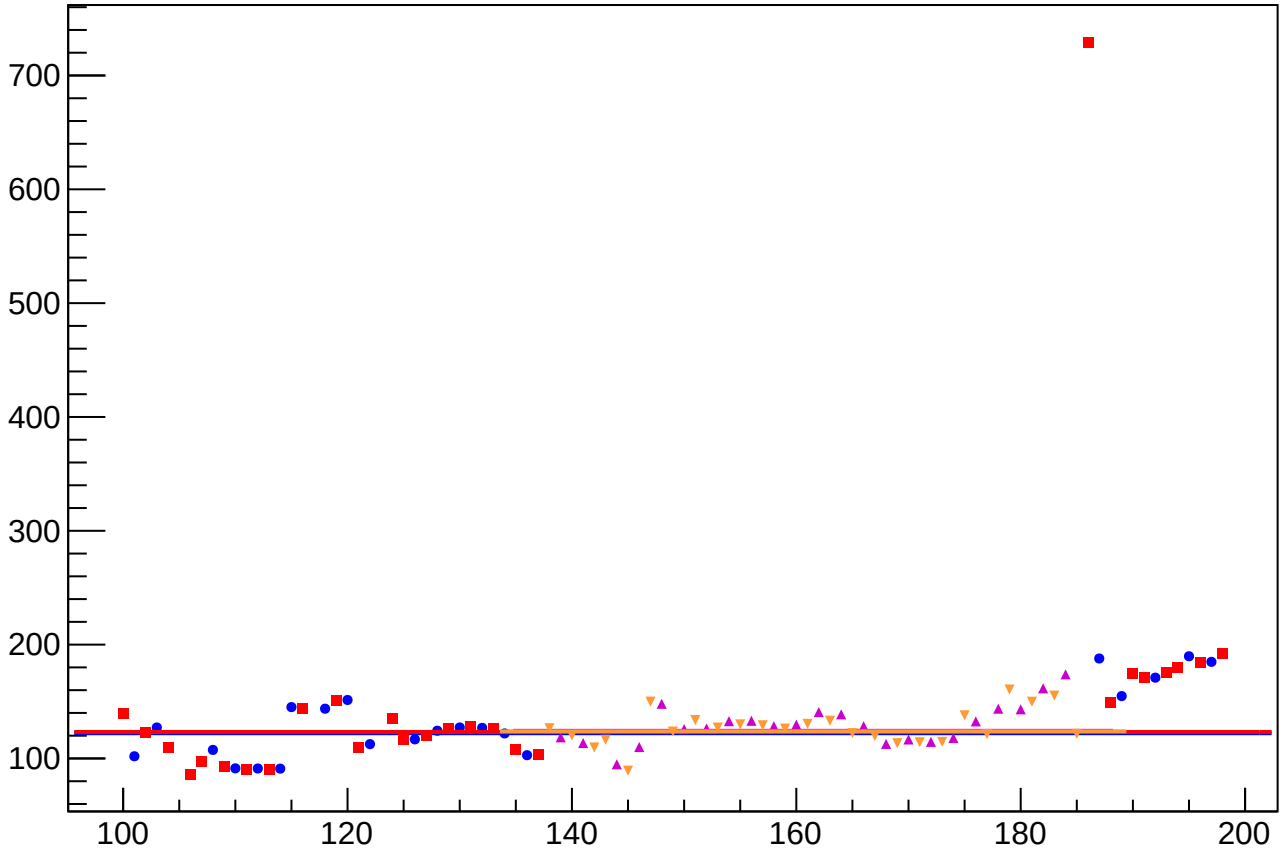
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 205.600+/-22.875 χ^2/NDF: 65.7/45

All: -1.941+/-16.133 χ^2/NDF: 279.7/95

- sign -207.339+/-22.757 χ^2/NDF: 50.2/49

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 122.188+/-0.027 χ^2/NDF: 1085053.1/20

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

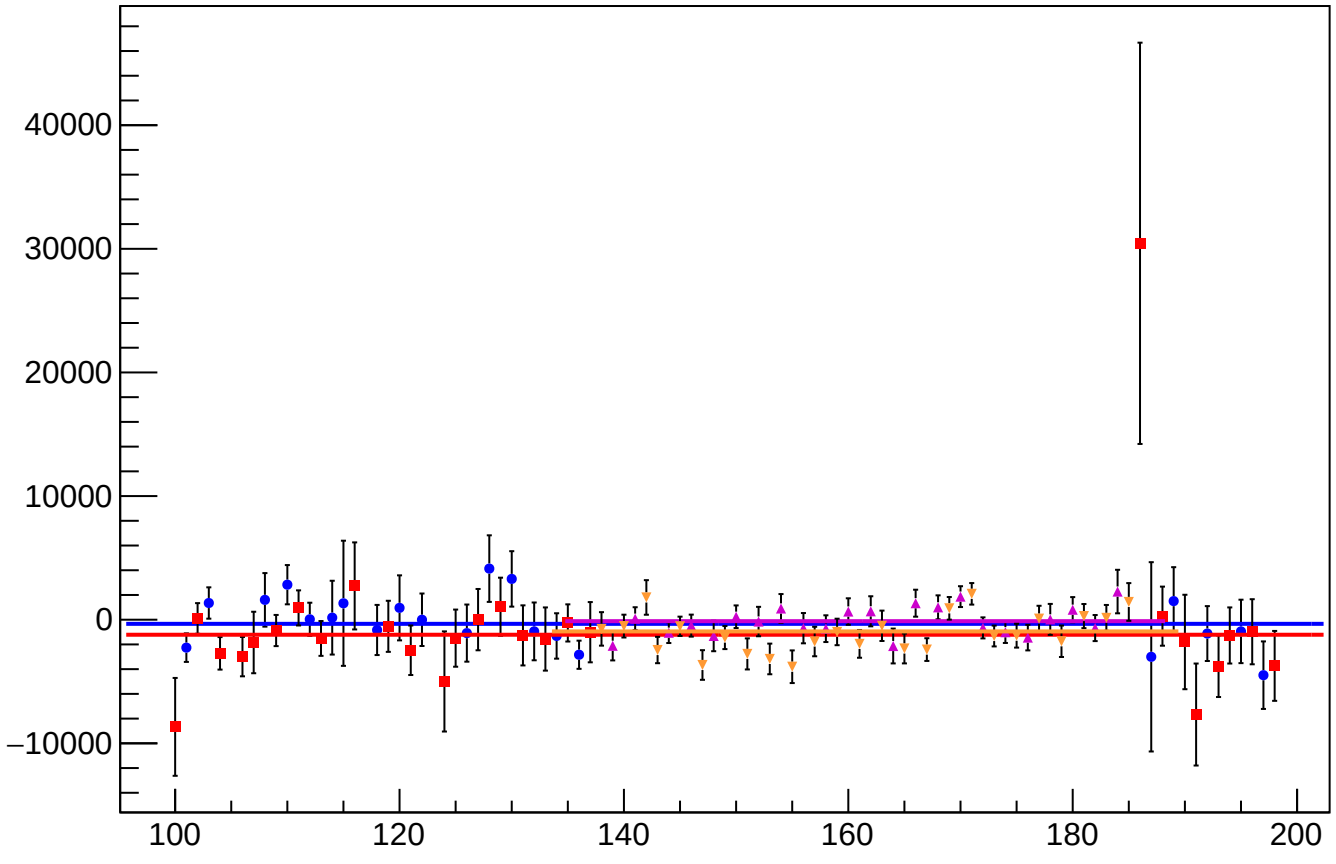
Right Out: 123.280+/-0.026 χ^2/NDF: 2021256.7/26

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 123.238+/-0.016 χ^2/NDF: 1685782.4/45

All: 123.556+/-0.011 χ^2/NDF: 4265907.2/95

- sign 123.870+/-0.016 χ^2/NDF: 2579357.7/49



Right In: -334.623+/-418.401 χ^2/NDF: 23.6/20

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

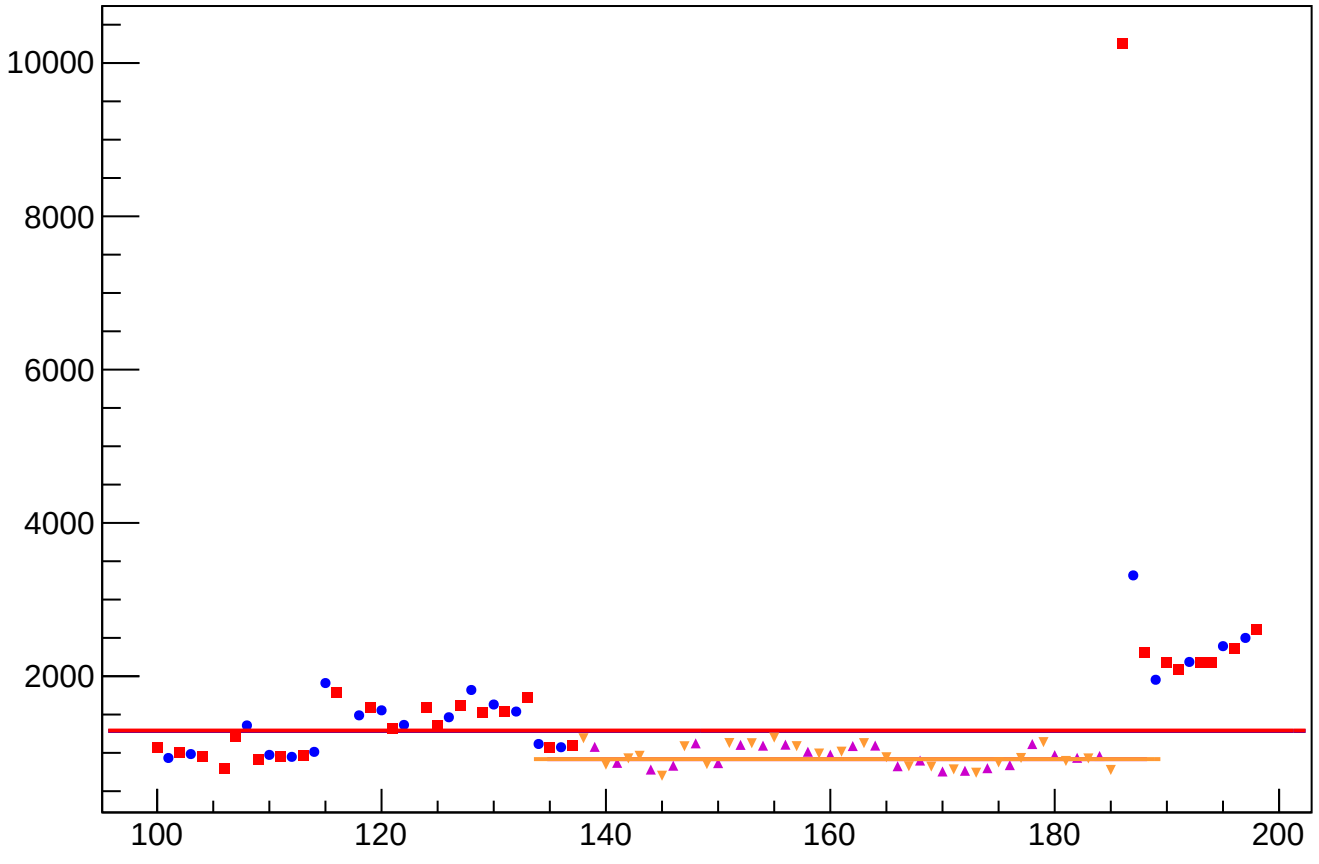
Right Out: -1216.559+/-392.250 χ^2/NDF: 22.5/26

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -822.657+/-188.963 χ^2/NDF: 75.6/45

All: -600.571+/-133.979 χ^2/NDF: 131.2/95

- sign -376.062+/-189.991 χ^2/NDF: 52.9/49



Right In: 1285.205+/-0.296 χ^2/NDF: 2200660.3/20

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1290.859+/-0.277 χ^2/NDF: 3617469.8/26

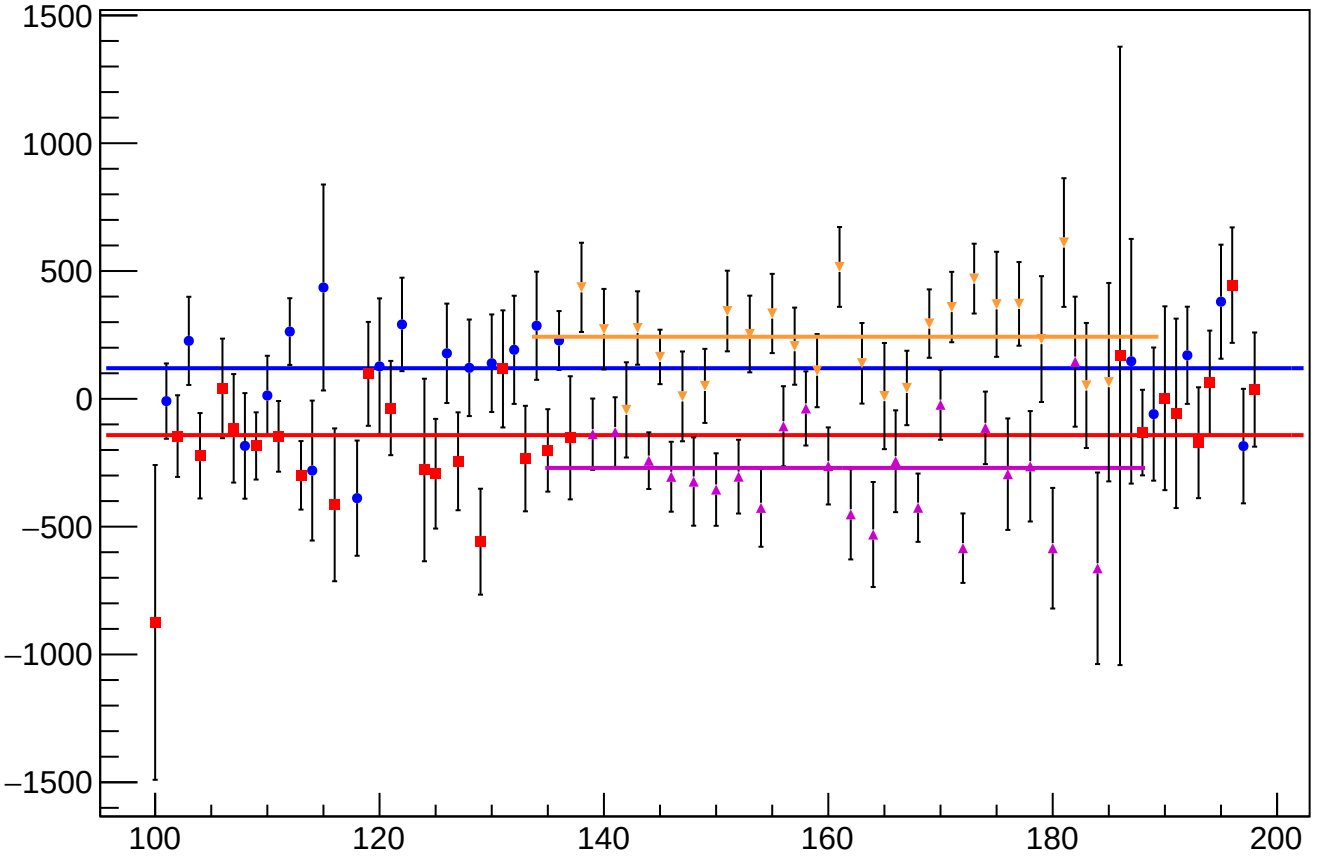
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 993.298+/-0.134 χ^2/NDF: 4311416.2/45

All: 999.435+/-0.095 χ^2/NDF: 9980980.8/95

- sign 1005.639+/-0.134 χ^2/NDF: 5665322.6/49

dit_asym_sam_48_dd_mean vs Slug



Right In: 119.837+/-41.686 χ^2/NDF: 19.2/20

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -141.934+/-38.585 χ^2/NDF: 21.9/26

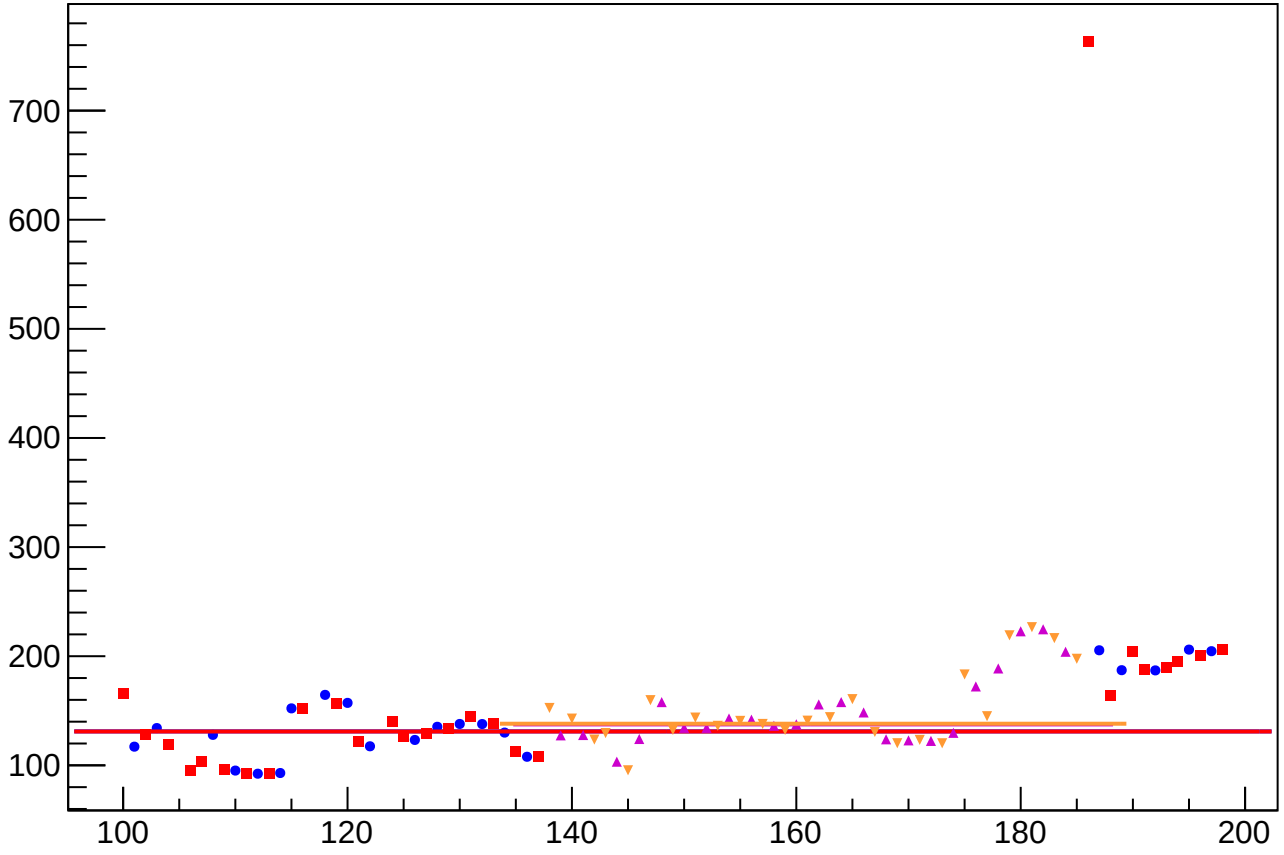
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 197.016+/-25.452 χ^2/NDF: 48.3/45

All: -13.055+/-17.847 χ^2/NDF: 237.3/95

- sign -216.242+/-25.032 χ^2/NDF: 55.0/49

dit_asym_sam_48_dd_rms vs Slug



Right In: 131.098+/-0.029 χ^2/NDF: 1267021.7/20

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 131.019+/-0.027 χ^2/NDF: 2194505.4/26

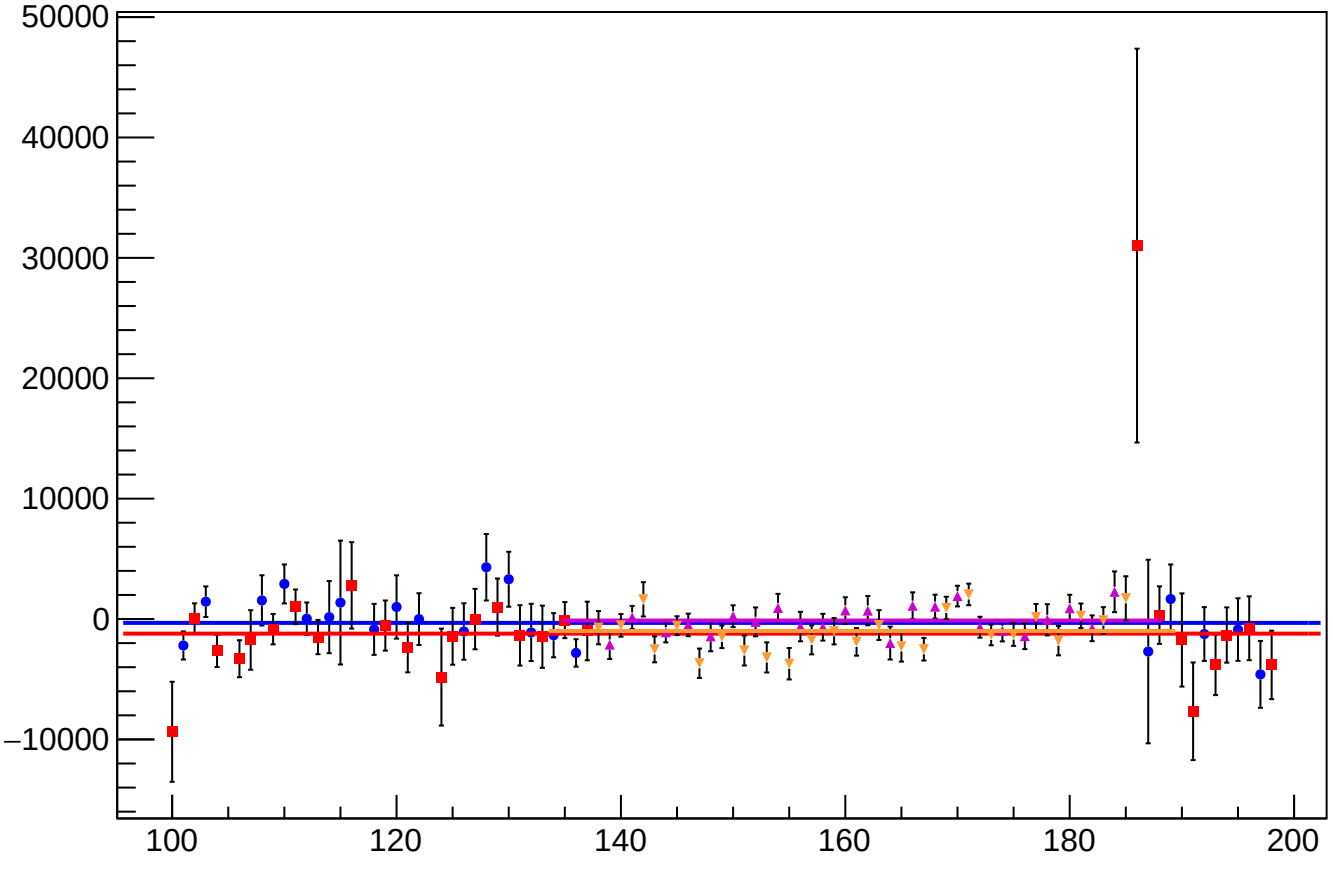
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 135.507+/-0.018 χ^2/NDF: 2640994.1/45

All: 135.131+/-0.013 χ^2/NDF: 5978278.0/95

- sign 134.767+/-0.018 χ^2/NDF: 3336425.6/49

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -319.810+/-422.062 χ^2/NDF: 23.6/20

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1211.860+/-394.287 χ^2/NDF: 23.5/26

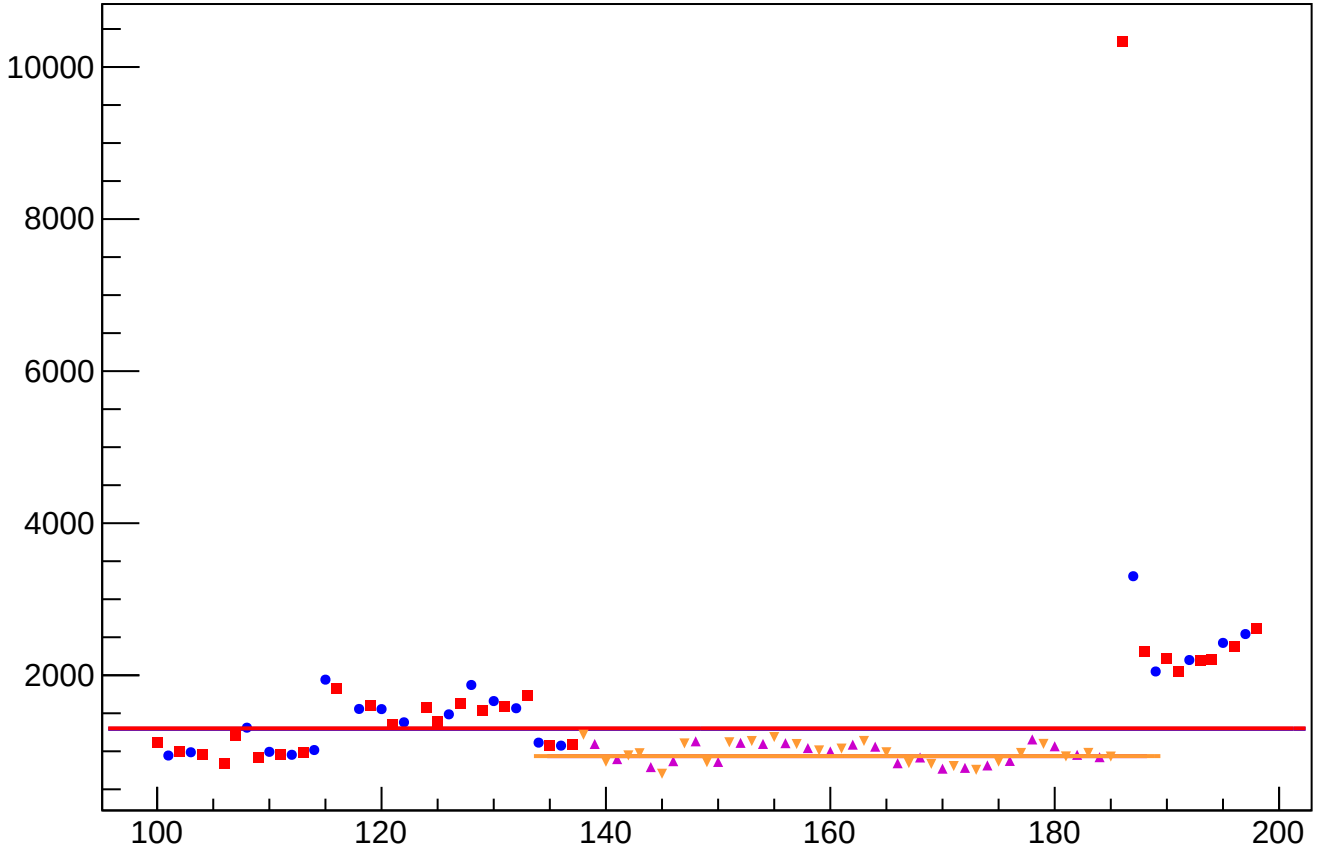
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -853.823+/-192.037 χ^2/NDF: 72.6/45

All: -620.801+/-136.139 χ^2/NDF: 128.6/95

- sign -385.373+/-193.026 χ^2/NDF: 53.1/49

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1295.378+/-0.298 χ^2/NDF: 2257533.5/20

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1301.492+/-0.279 χ^2/NDF: 3613138.5/26

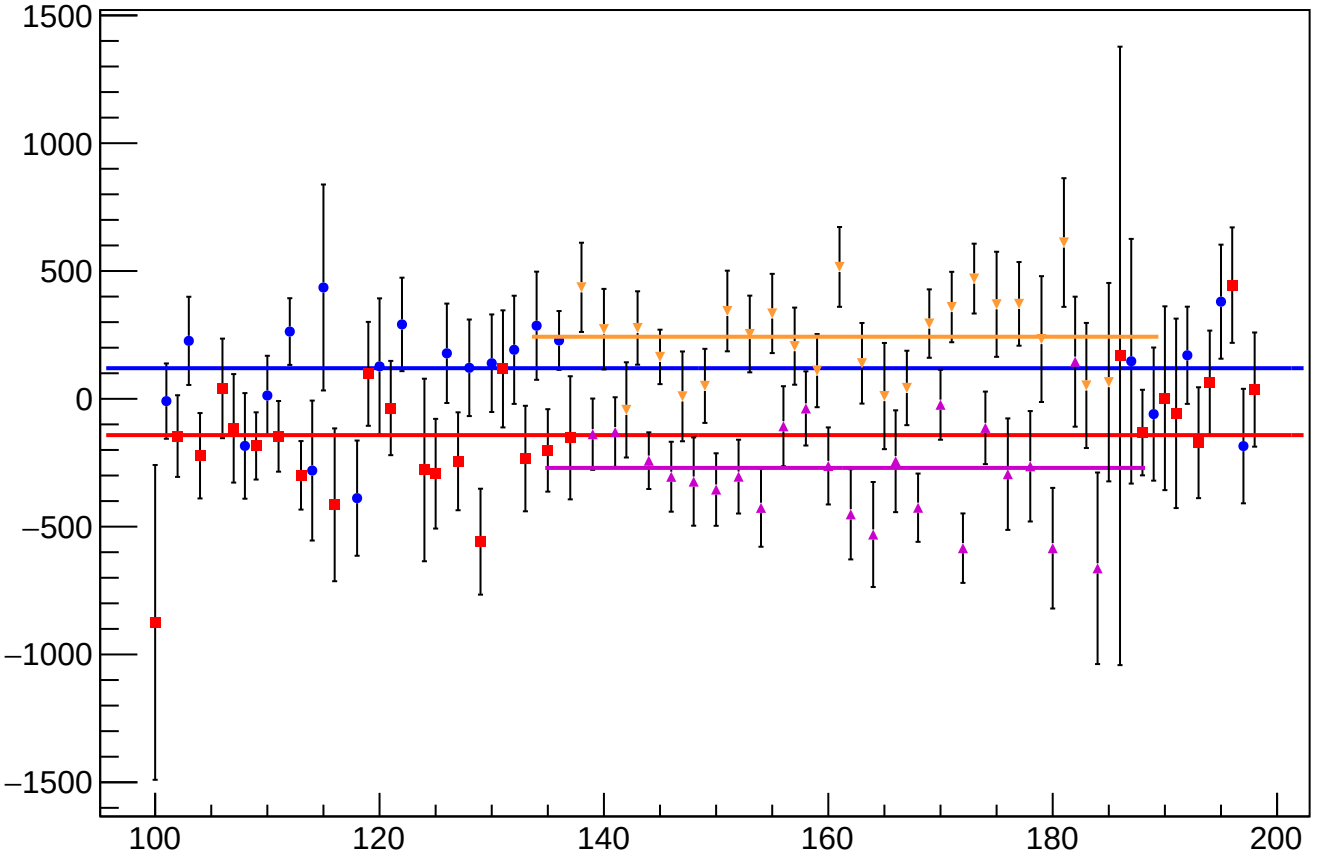
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1010.989+/-0.136 χ^2/NDF: 4235079.7/45

All: 1017.404+/-0.096 χ^2/NDF: 9799403.4/95

- sign 1023.885+/-0.136 χ^2/NDF: 5559837.0/49

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 119.838+/-41.686 χ^2/NDF: 19.2/20

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -141.934+/-38.585 χ^2/NDF: 21.9/26

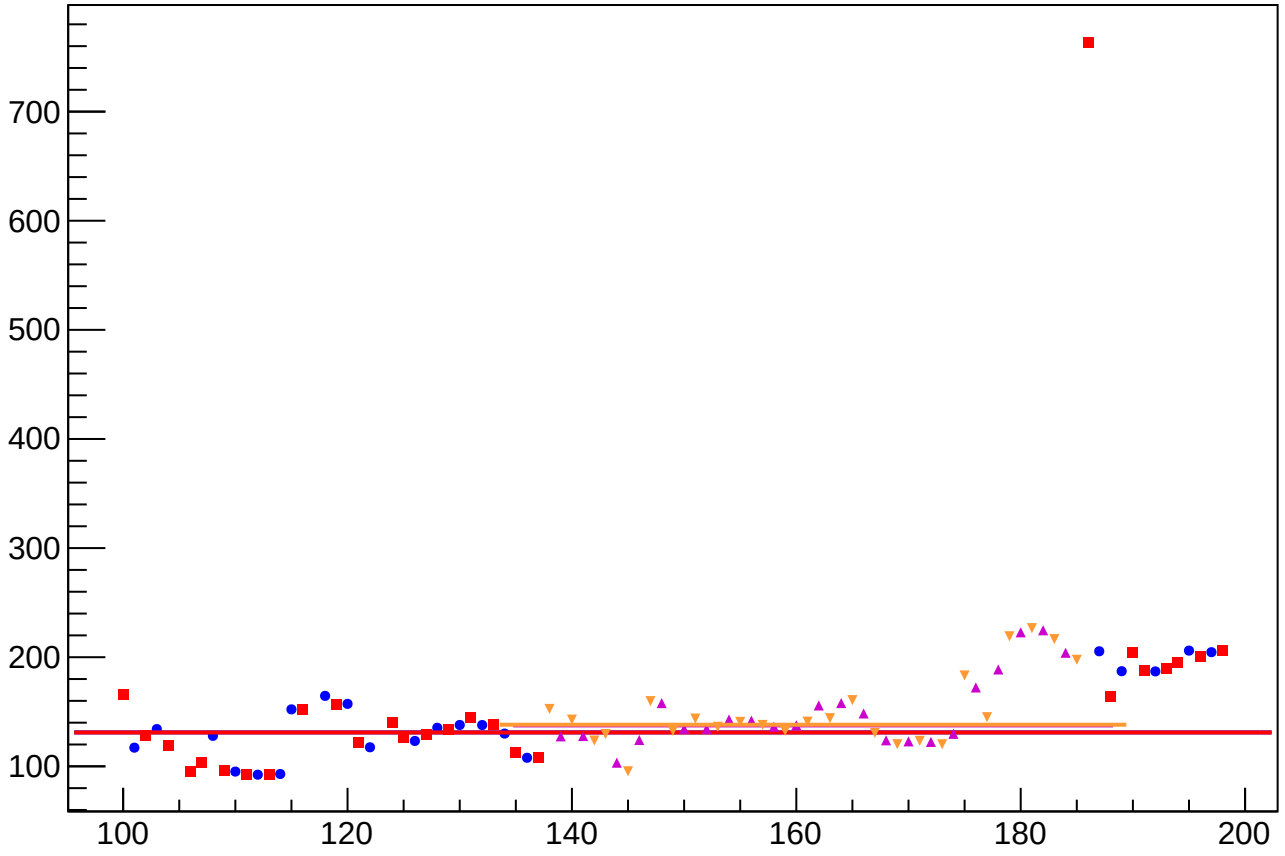
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 197.018+/-25.452 χ^2/NDF: 48.3/45

All: -13.054+/-17.847 χ^2/NDF: 237.3/95

- sign -216.243+/-25.032 χ^2/NDF: 55.0/49

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 131.098+/-0.029 χ^2/NDF: 1267017.2/20

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

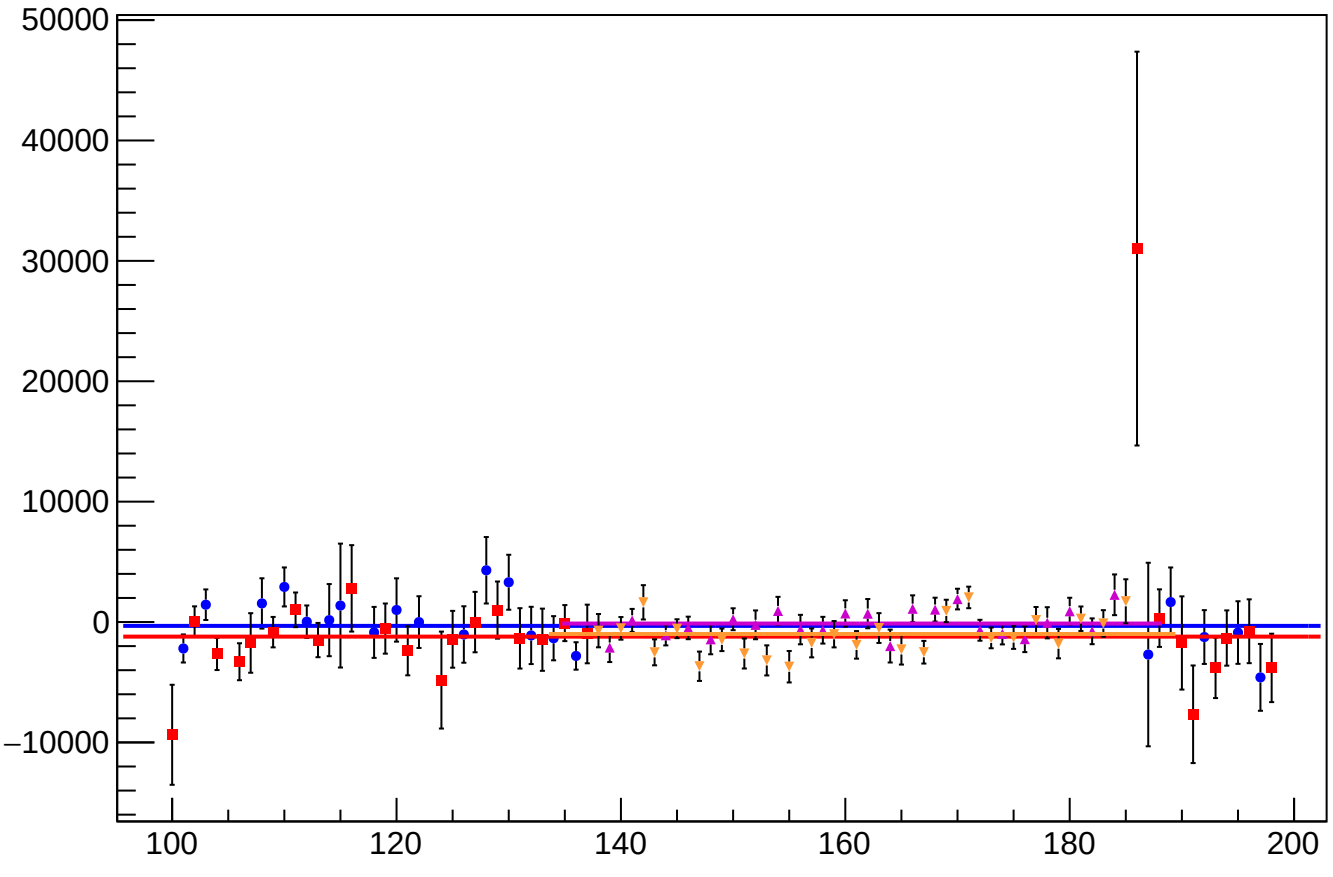
Right Out: 131.019+/-0.027 χ^2/NDF: 2194508.0/26

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 135.507+/-0.018 χ^2/NDF: 2640992.8/45

All: 135.131+/-0.013 χ^2/NDF: 5978265.9/95

- sign 134.767+/-0.018 χ^2/NDF: 3336414.8/49



Right In: -319.810+/-422.062 χ^2/NDF: 23.6/20

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

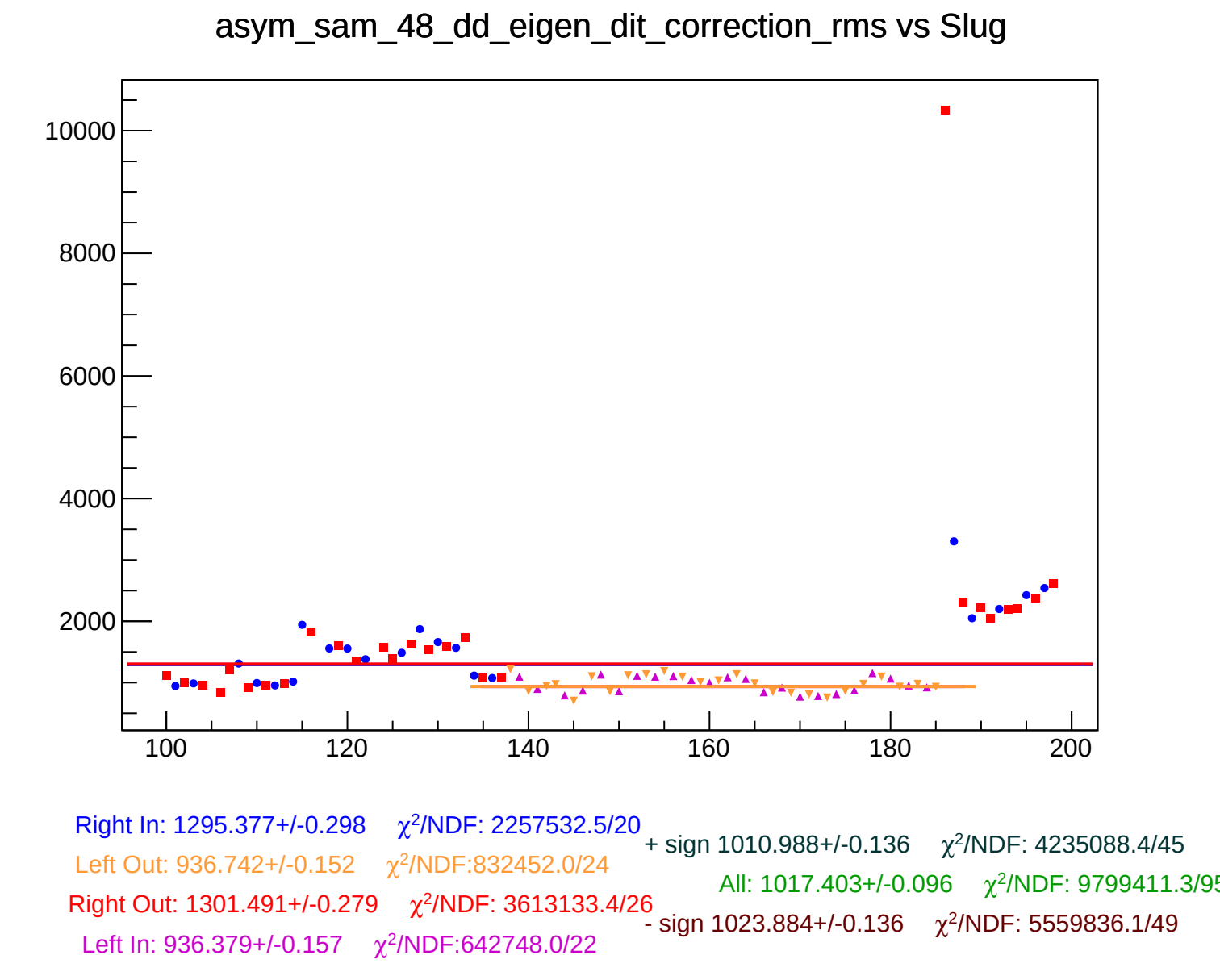
Right Out: -1211.859+/-394.287 χ^2/NDF: 23.5/26

Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

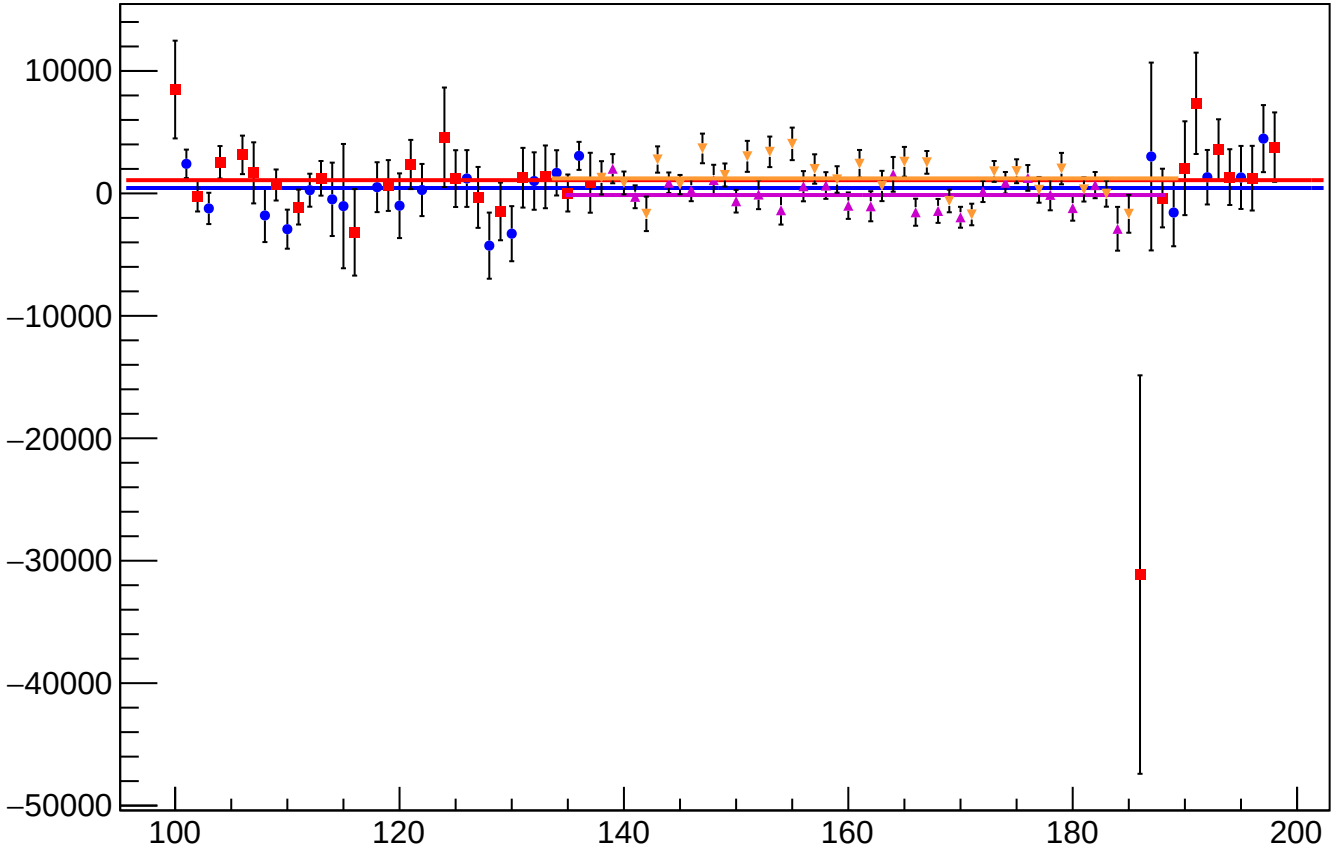
+ sign -853.821+/-192.037 χ^2/NDF: 72.6/45

All: -620.800+/-136.139 χ^2/NDF: 128.6/95

- sign -385.372+/-193.025 χ^2/NDF: 53.1/49


asym_sam_48_dd_eigen_dit_correction_rms vs Slug
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1295.377+/-0.298 χ²/NDF: 2257532.5/20
Left Out: 936.742+/-0.152 χ²/NDF:832452.0/24
Right Out: 1301.491+/-0.279 χ²/NDF: 3613133.4/26
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
+ sign 1010.988+/-0.136 χ²/NDF: 4235088.4/45
All: 1017.403+/-0.096 χ²/NDF: 9799411.3/95
- sign 1023.884+/-0.136 χ²/NDF: 5559836.1/49

asym_sam_48_dd_mean vs Slug



Right In: 441.693+/-420.536 χ^2/NDF: 25.3/20

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1081.631+/-393.718 χ^2/NDF: 23.2/26

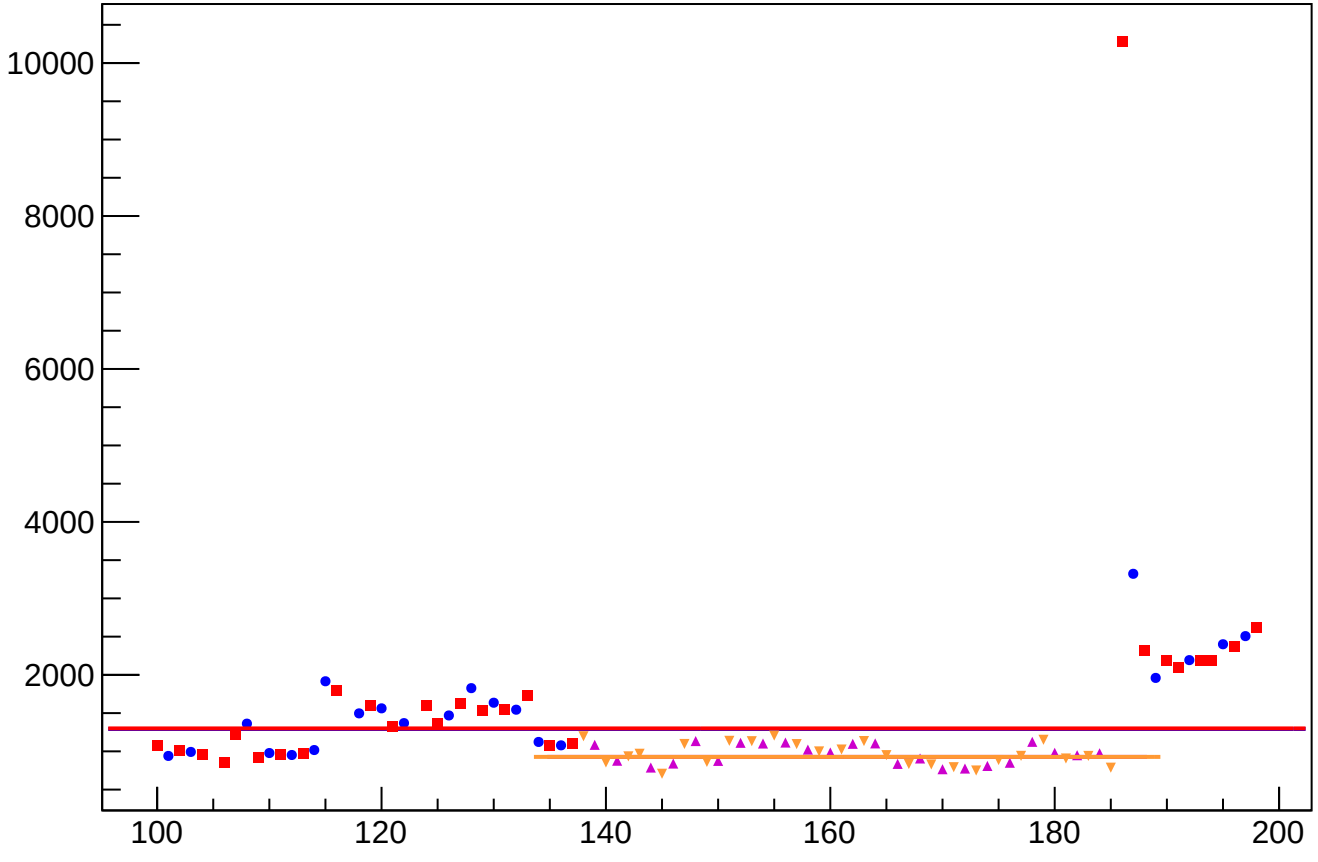
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1064.484+/-190.615 χ^2/NDF: 76.6/45

All: 611.863+/-135.122 χ^2/NDF: 144.3/95

- sign 154.689+/-191.571 χ^2/NDF: 56.3/49

asym_sam_48_dd_rms vs Slug



Right In: 1292.266+/-0.297 χ^2/NDF: 2186095.4/20

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1299.708+/-0.278 χ^2/NDF: 3569246.7/26

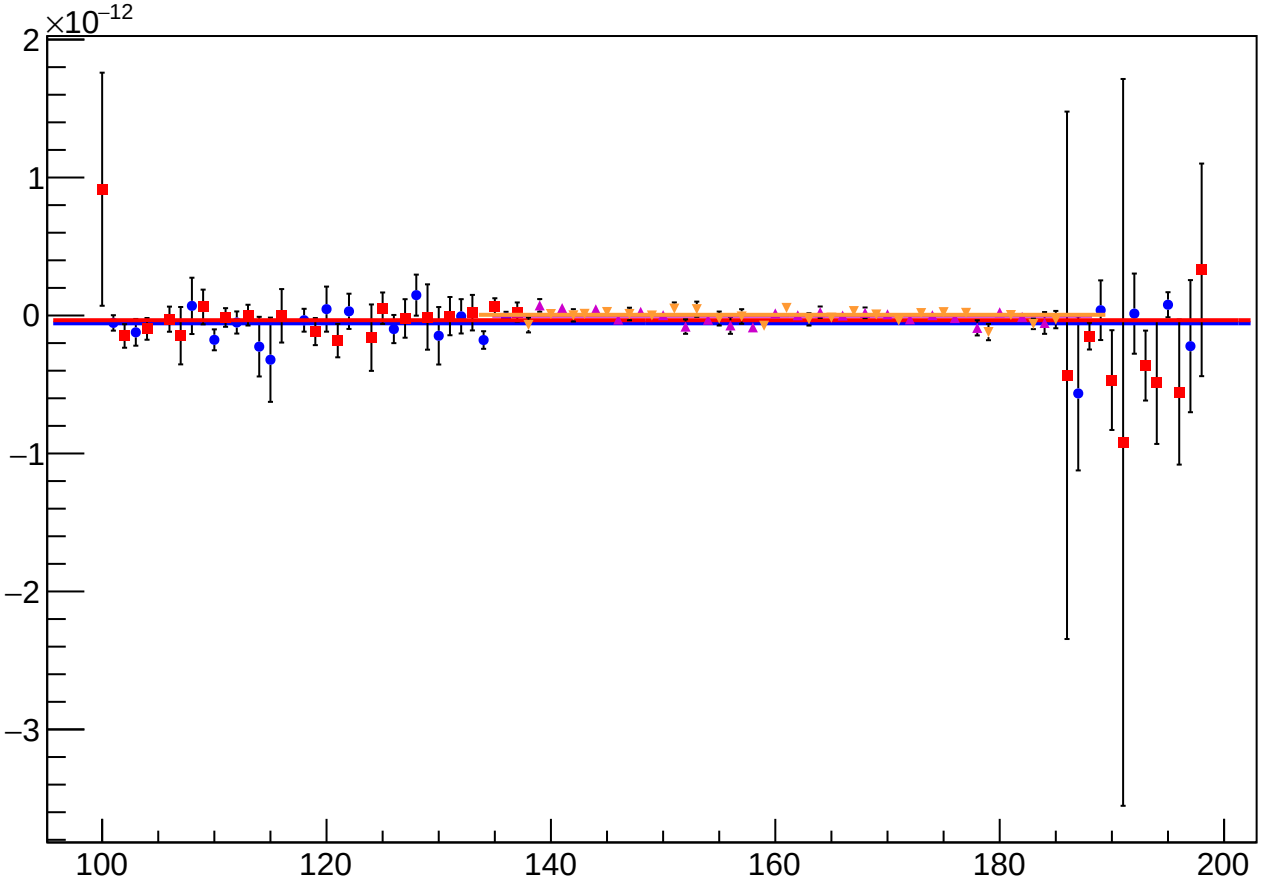
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1002.528+/-0.135 χ^2/NDF: 4256073.4/45

All: 1008.973+/-0.096 χ^2/NDF: 9852032.3/95

- sign 1015.483+/-0.135 χ^2/NDF: 5591363.1/49

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

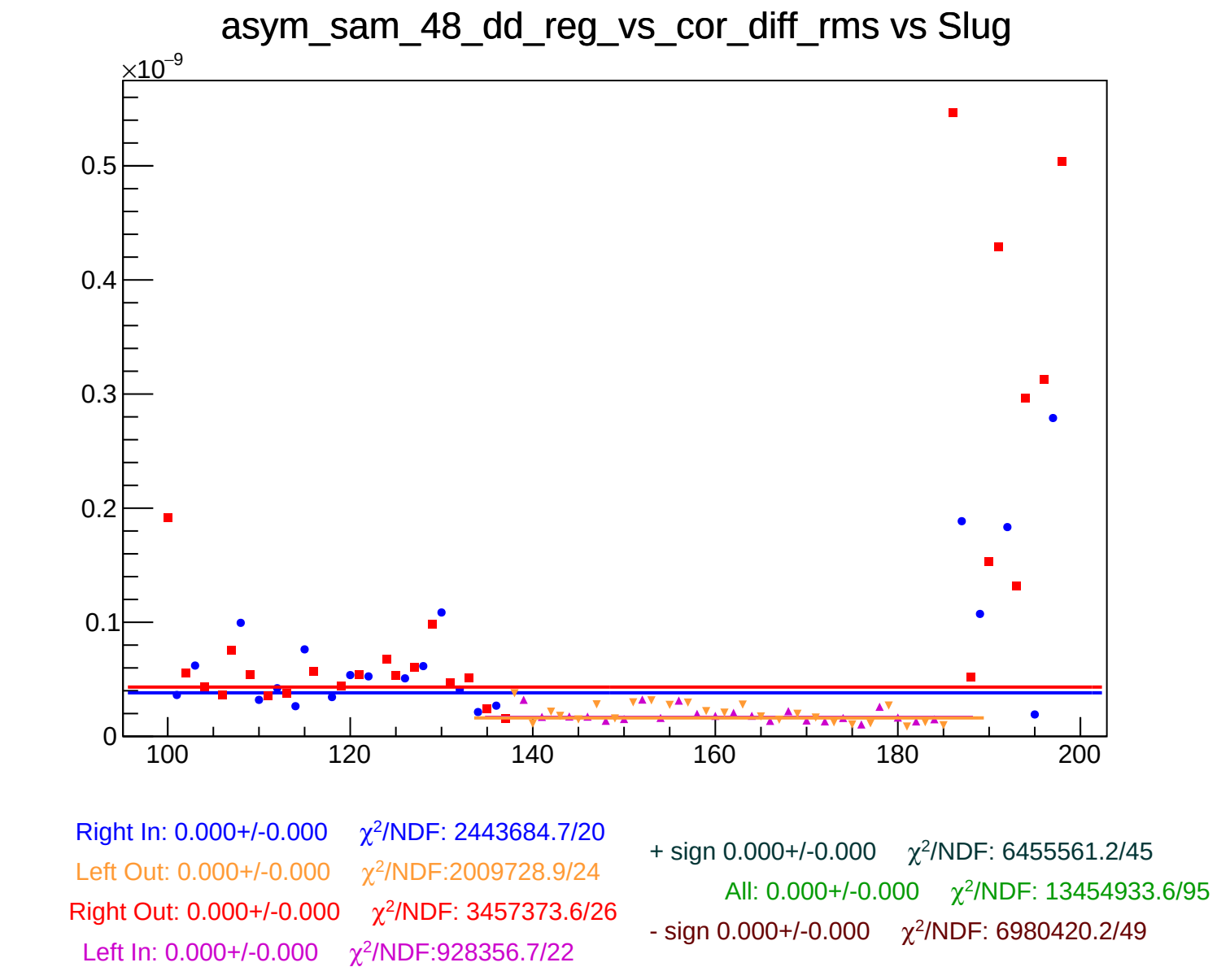
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/26

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

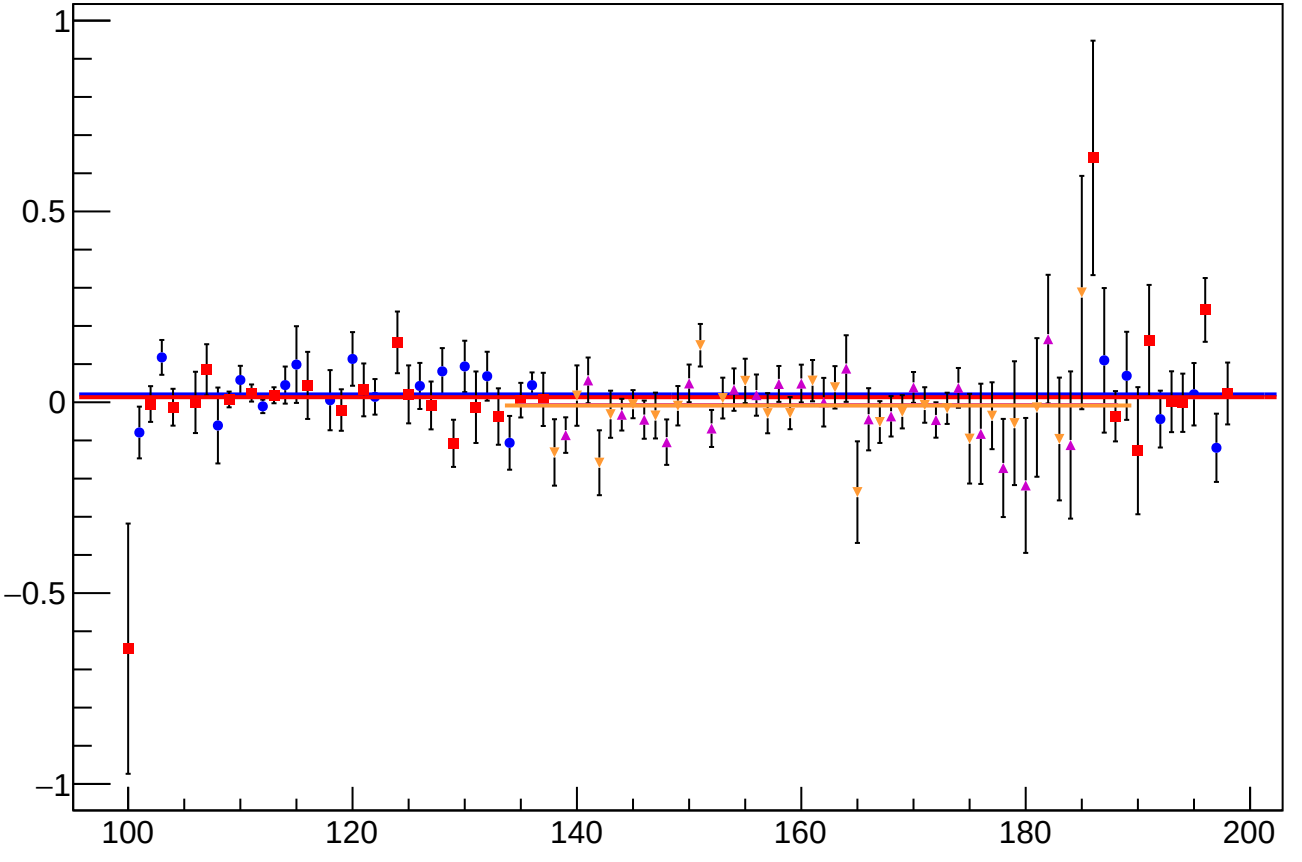
+ sign -0.000+/-0.000 χ^2/NDF: 49.3/45

All: -0.000+/-0.000 χ^2/NDF: 97.9/95

- sign -0.000+/-0.000 χ^2/NDF: 48.4/49


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: 2443684.7/20
Left Out: 0.000+/-0.000 χ²/NDF:2009728.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 3457373.6/26
Left In: 0.000+/-0.000 χ²/NDF:928356.7/22
+ sign 0.000+/-0.000 χ²/NDF: 6455561.2/45
All: 0.000+/-0.000 χ²/NDF: 13454933.6/95
- sign 0.000+/-0.000 χ²/NDF: 6980420.2/49

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/26

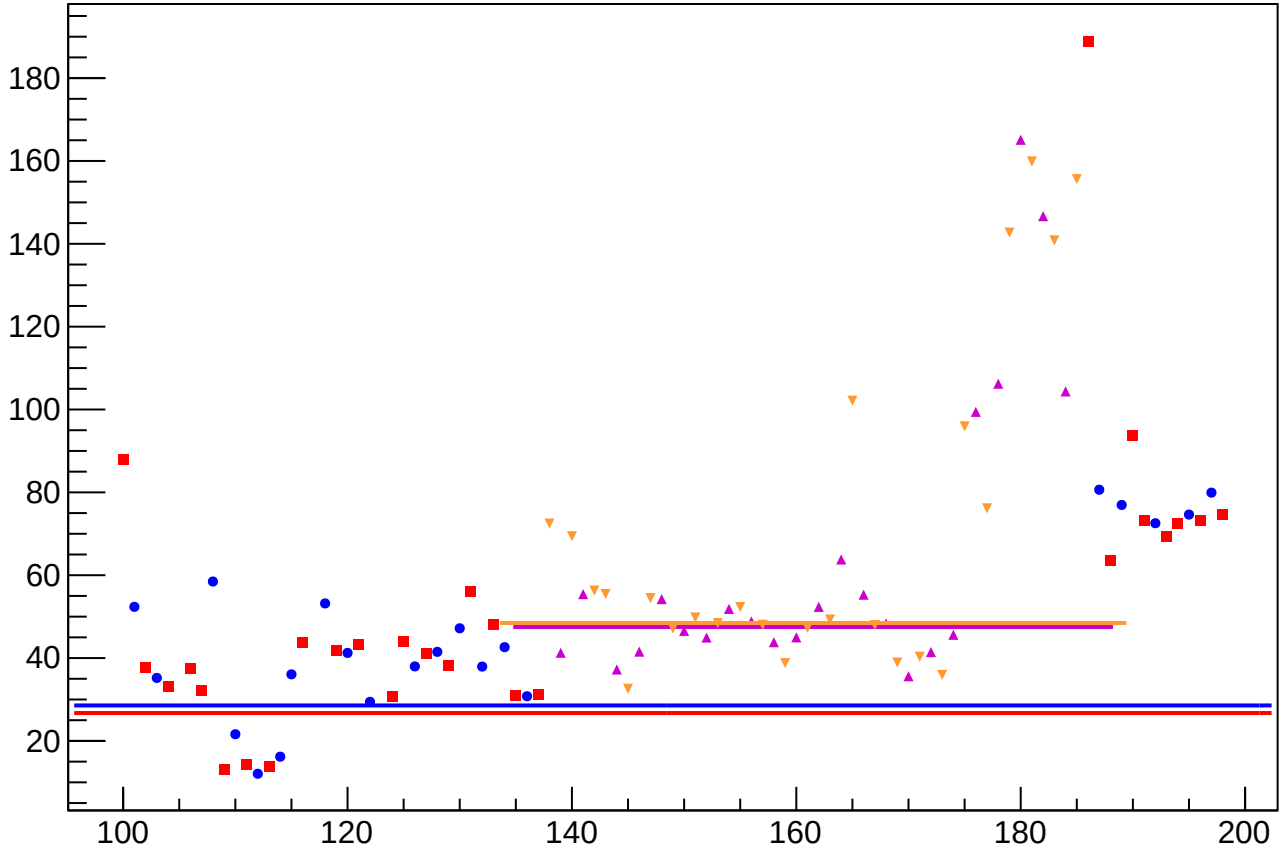
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 50.8/45

All: 0.007+/-0.005 χ^2/NDF: 104.3/95

- sign 0.005+/-0.007 χ^2/NDF: 53.4/49

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.560+/-0.008 χ^2/NDF: 5590921.6/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 26.733+/-0.007 χ^2/NDF: 7817558.5/26

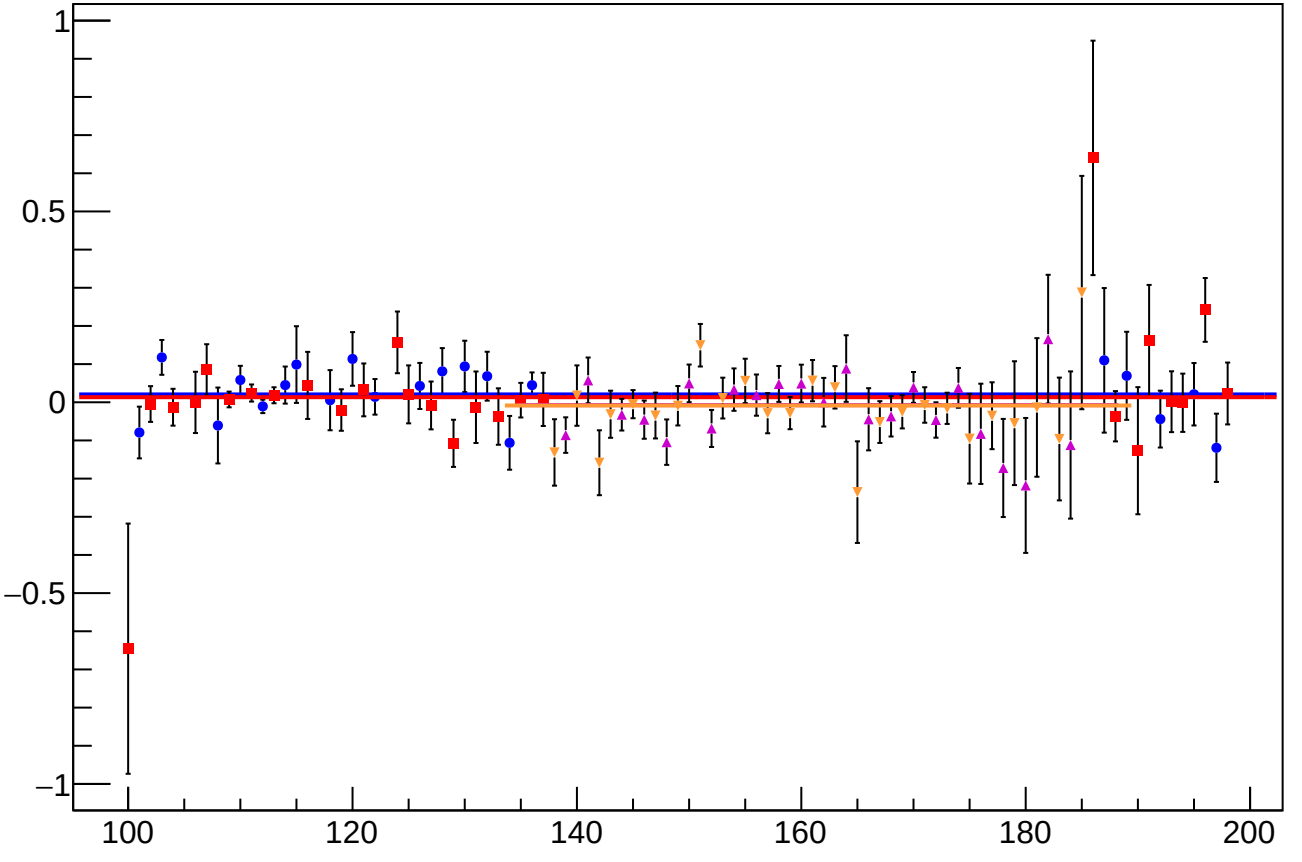
Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.381+/-0.006 χ^2/NDF: 13027924.7/45

All: 35.878+/-0.004 χ^2/NDF: 27758543.2/95

- sign 34.589+/-0.005 χ^2/NDF: 14599186.5/49

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

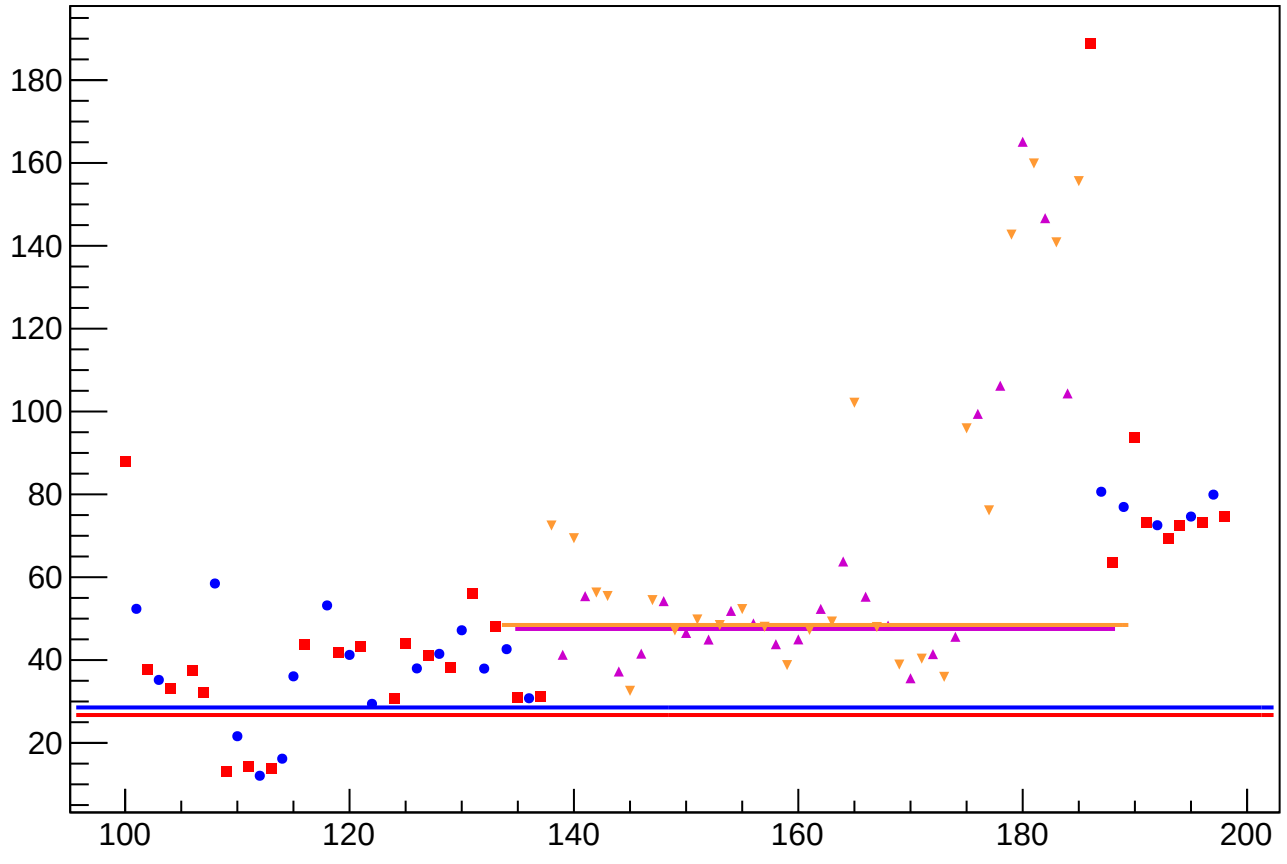
Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 50.8/45

All: 0.007+/-0.005 χ^2/NDF: 104.3/95

- sign 0.005+/-0.007 χ^2/NDF: 53.4/49



Right In: 28.560+/-0.008 χ^2/NDF: 5590921.6/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

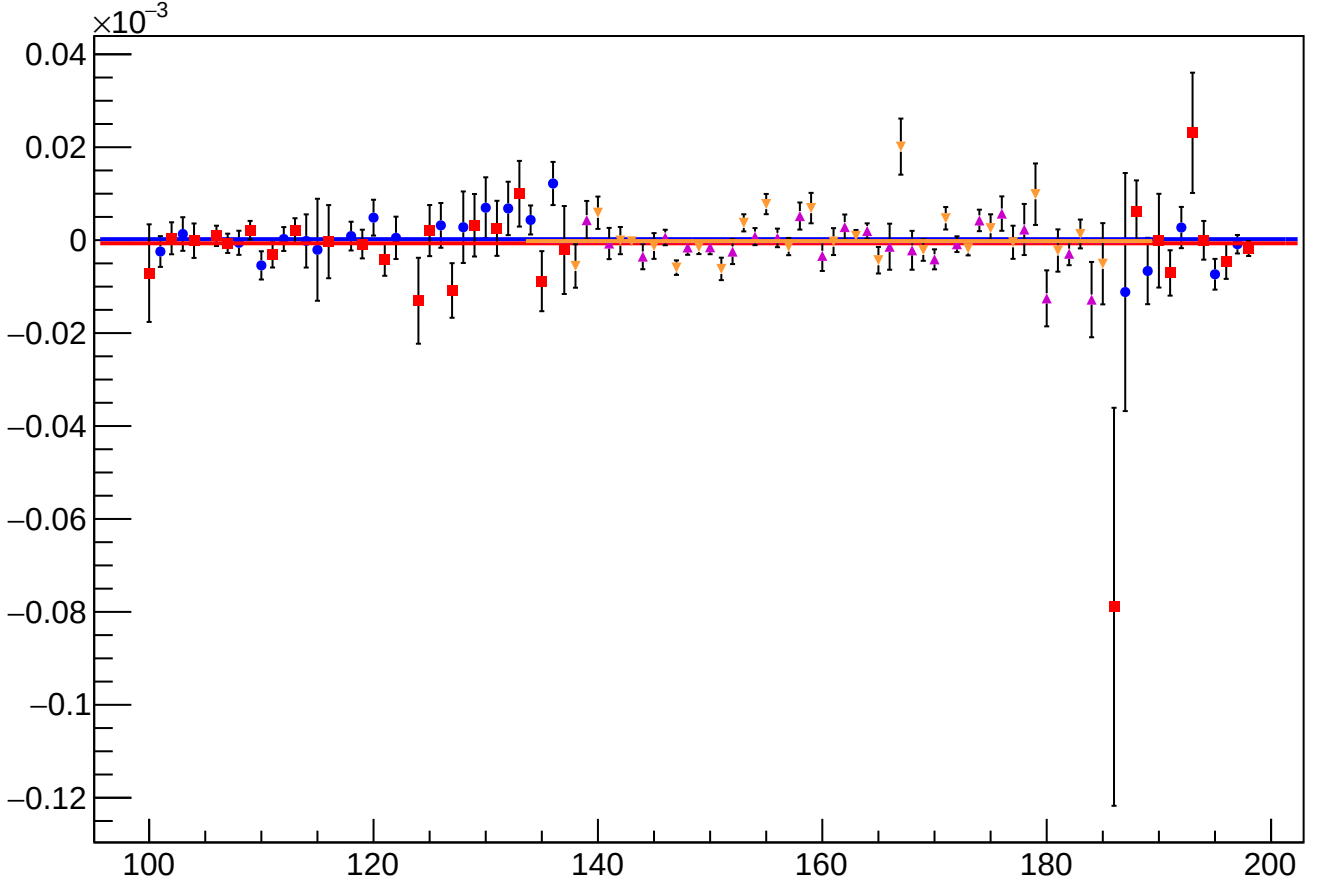
Right Out: 26.733+/-0.007 χ^2/NDF: 7817558.5/26

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.381+/-0.006 χ^2/NDF: 13027924.7/45

All: 35.878+/-0.004 χ^2/NDF: 27758543.2/95

- sign 34.589+/-0.005 χ^2/NDF: 14599186.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

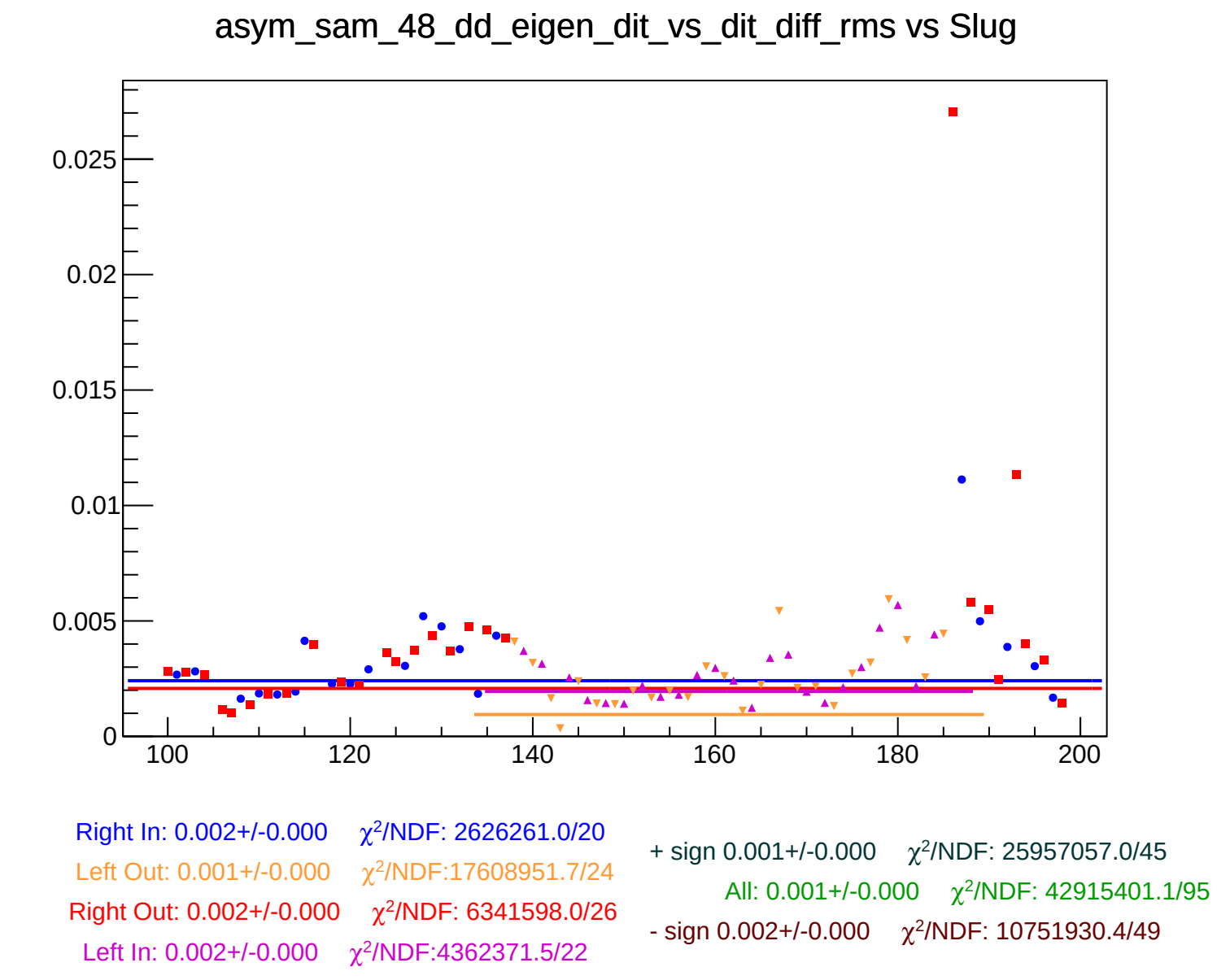
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/26

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

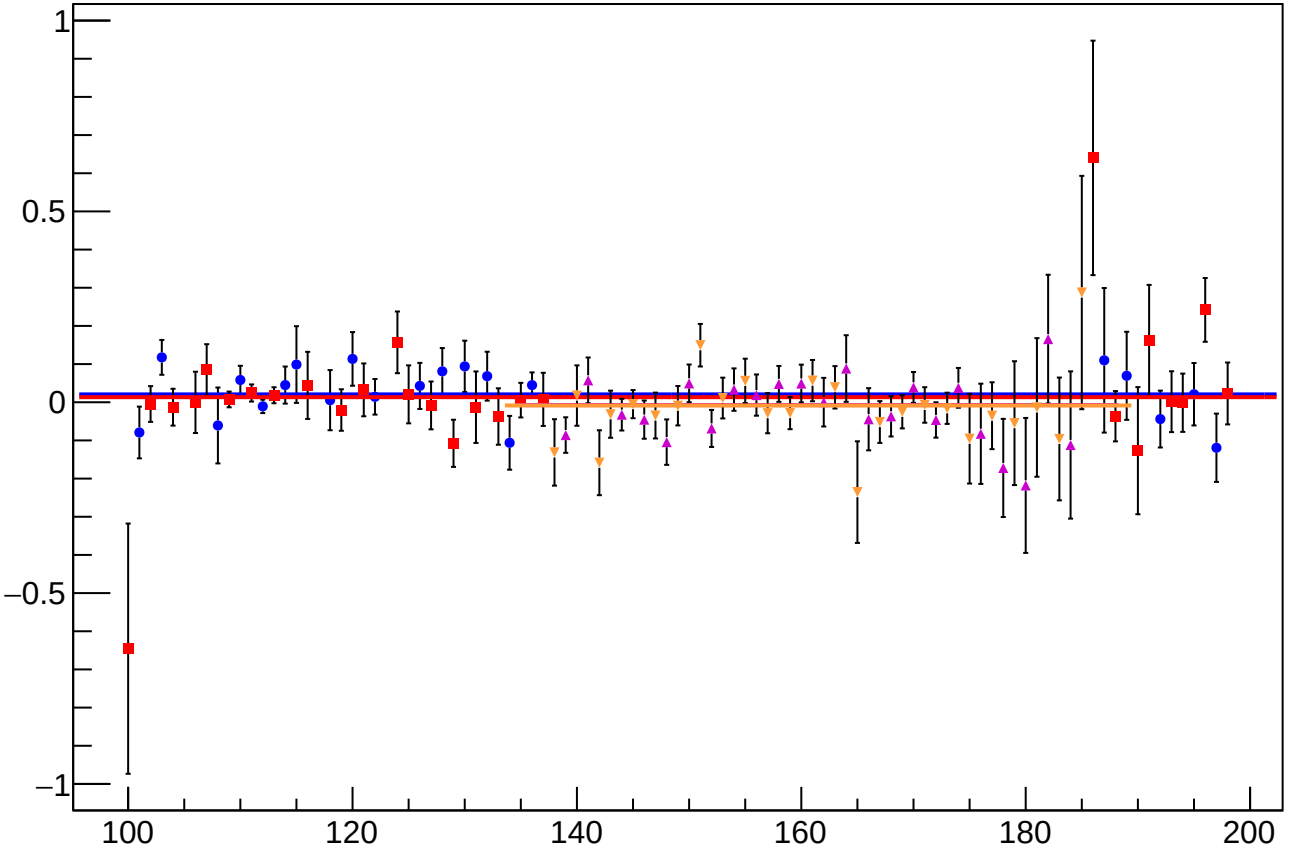
+ sign -0.000+/-0.000 χ^2/NDF: 95.9/45

All: -0.000+/-0.000 χ^2/NDF: 153.9/95

- sign -0.000+/-0.000 χ^2/NDF: 57.6/49


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: 0.002+/-0.000 χ²/NDF: 2626261.0/20
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 6341598.0/26
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
+ sign 0.001+/-0.000 χ²/NDF: 25957057.0/45
All: 0.001+/-0.000 χ²/NDF: 42915401.1/95
- sign 0.002+/-0.000 χ²/NDF: 10751930.4/49

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

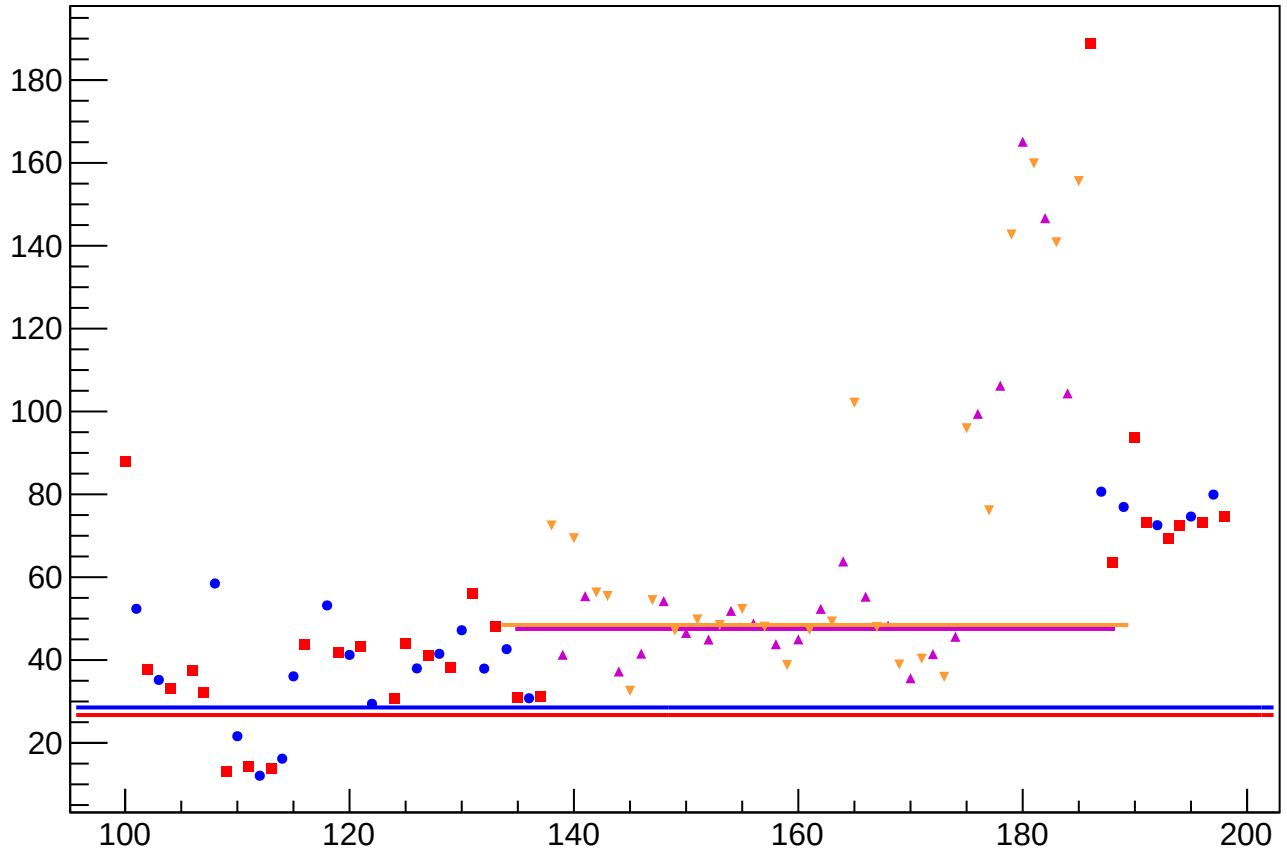
Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 50.8/45

All: 0.007+/-0.005 χ^2/NDF: 104.3/95

- sign 0.005+/-0.007 χ^2/NDF: 53.4/49



Right In: 28.558+/-0.008 χ^2/NDF: 5591475.1/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

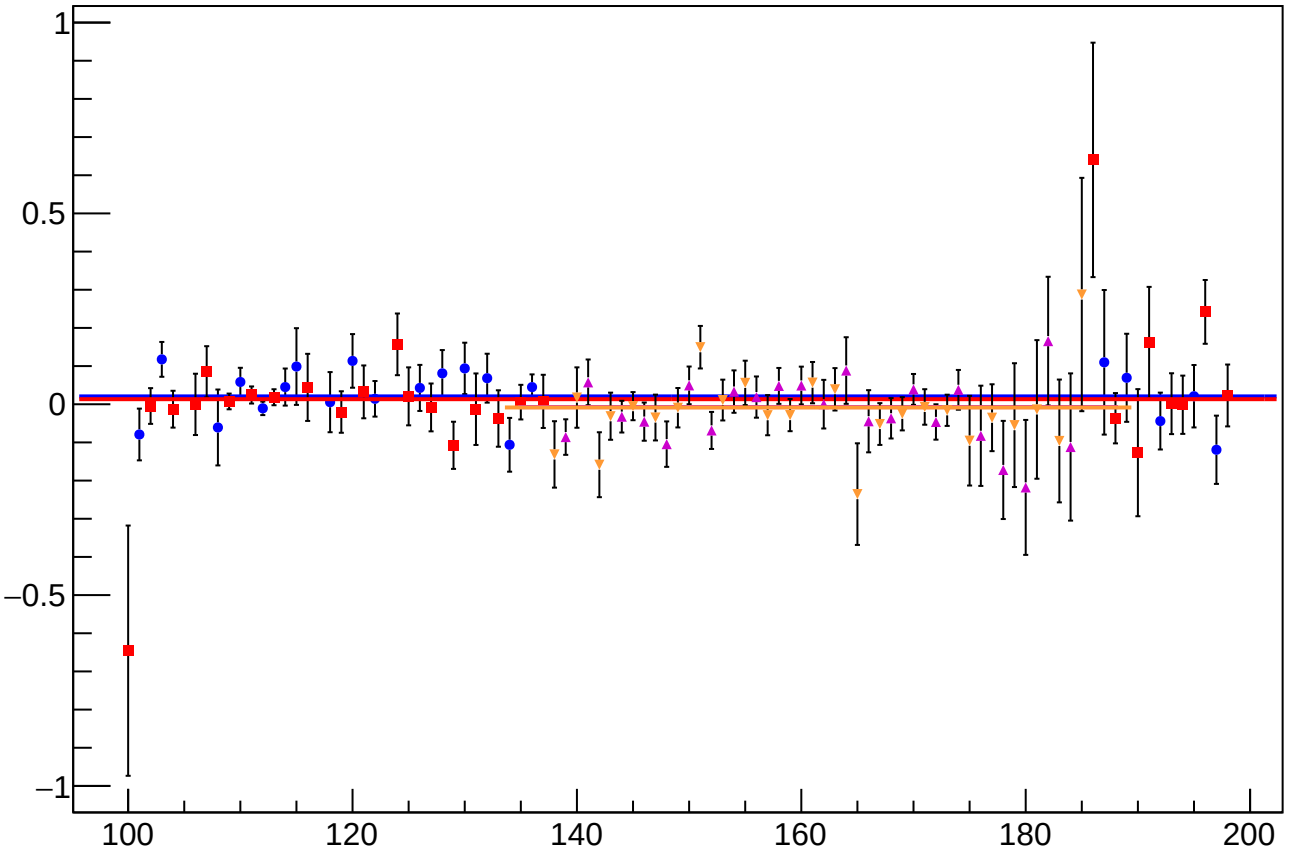
Right Out: 26.732+/-0.007 χ^2/NDF: 7817755.3/26

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 37.380+/-0.006 χ^2/NDF: 13029020.5/45

All: 35.877+/-0.004 χ^2/NDF: 27759937.1/95

- sign 34.589+/-0.005 χ^2/NDF: 14599554.4/49



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

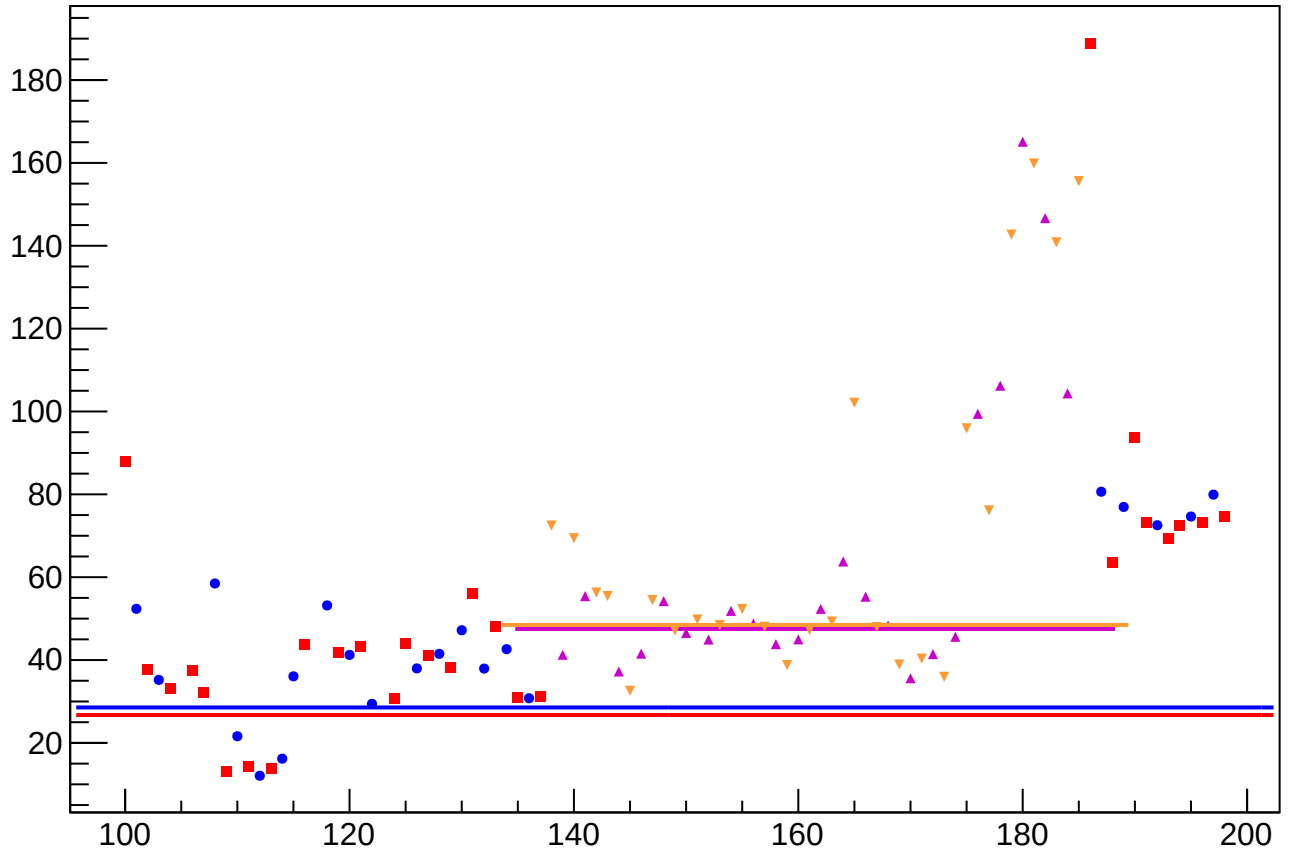
Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 50.8/45

All: 0.007+/-0.005 χ^2/NDF: 104.3/95

- sign 0.005+/-0.007 χ^2/NDF: 53.4/49



Right In: 28.558+/-0.008 χ^2/NDF: 5591475.1/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

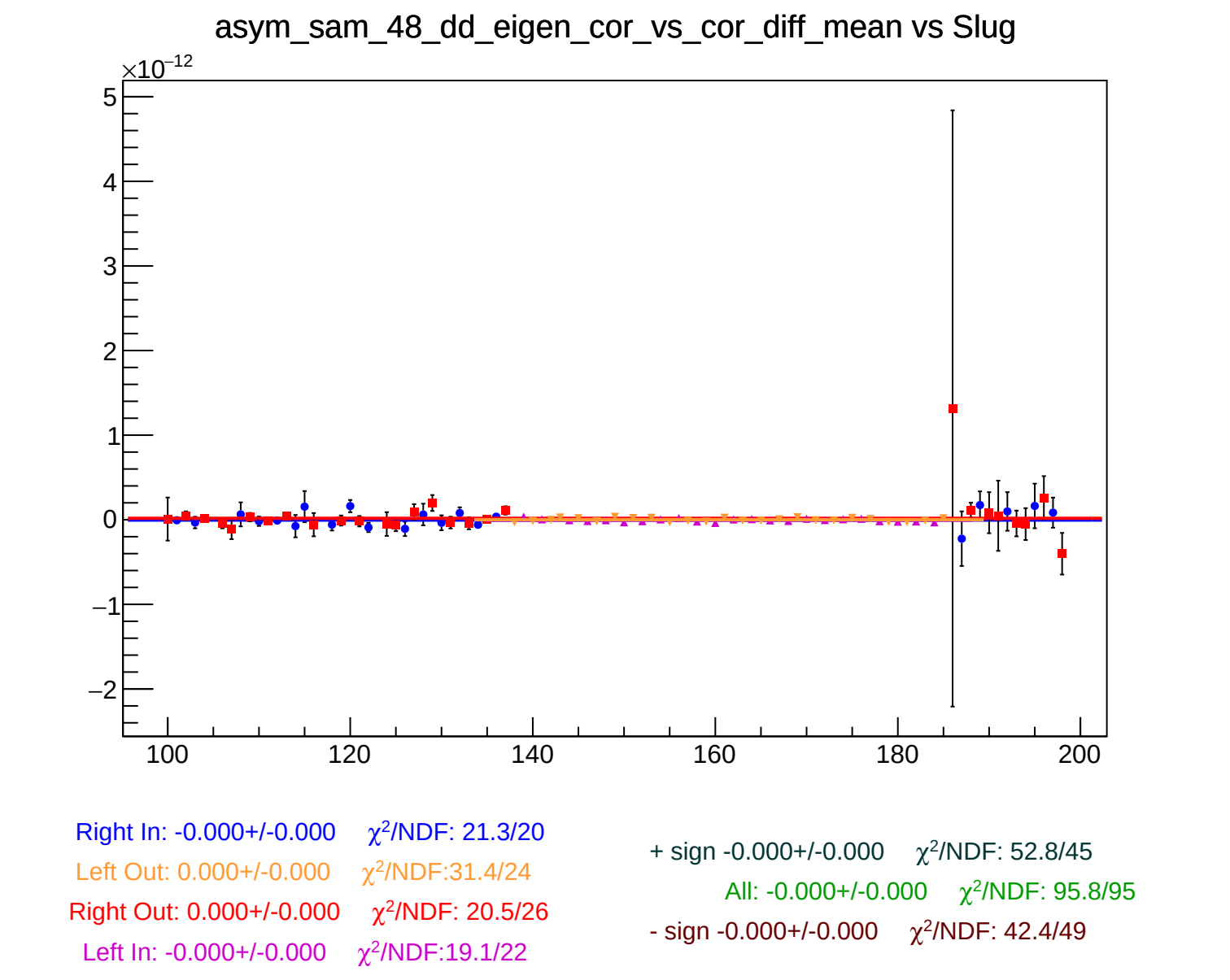
Right Out: 26.732+/-0.007 χ^2/NDF: 7817755.3/26

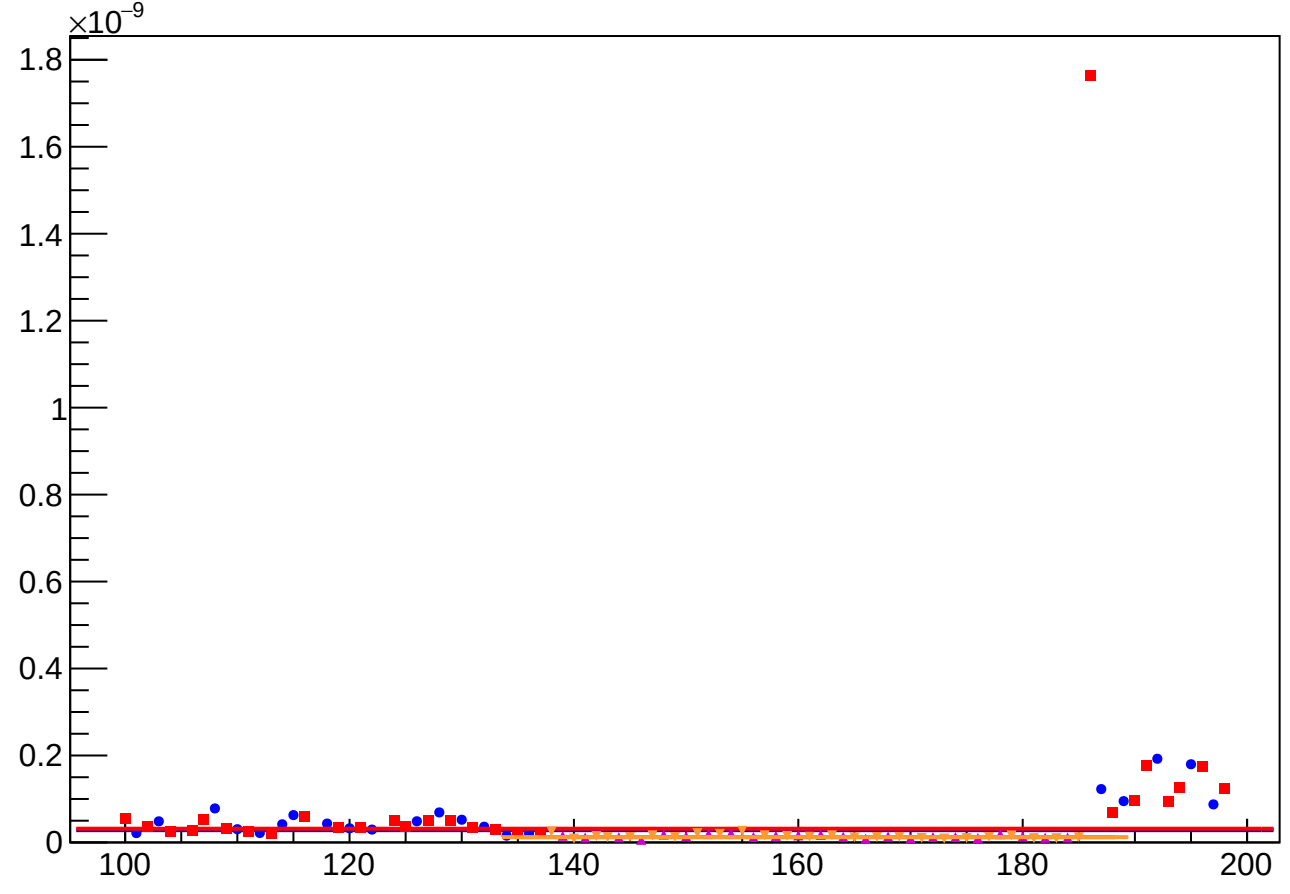
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 37.380+/-0.006 χ^2/NDF: 13029020.5/45

All: 35.877+/-0.004 χ^2/NDF: 27759937.1/95

- sign 34.589+/-0.005 χ^2/NDF: 14599554.4/49


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: 21.3/20
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.5/26
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
+ sign -0.000+/-0.000 χ²/NDF: 52.8/45
All: -0.000+/-0.000 χ²/NDF: 95.8/95
- sign -0.000+/-0.000 χ²/NDF: 42.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 4161539.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3972579.4/26

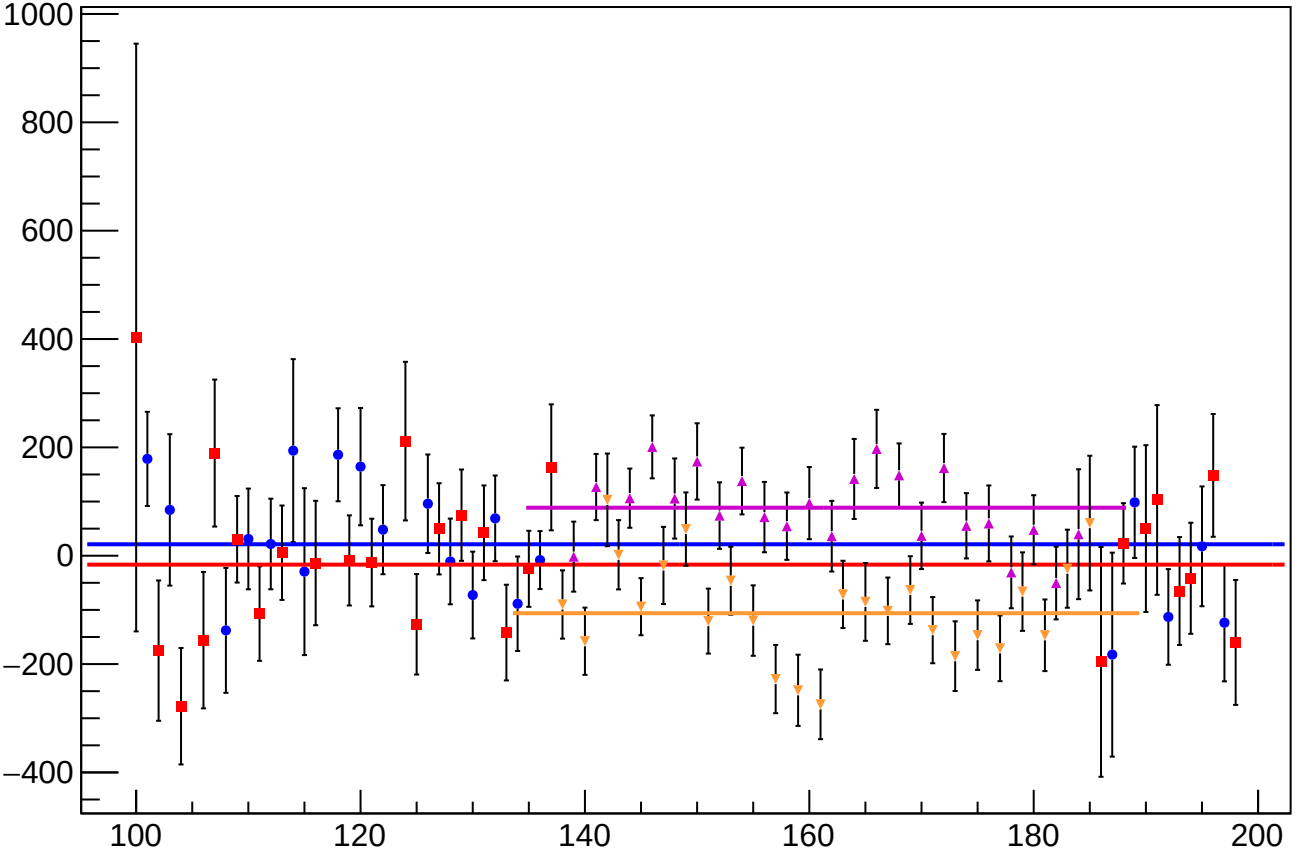
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9071557.5/45

All: 0.000+/-0.000 χ^2/NDF: 19103913.8/95

- sign 0.000+/-0.000 χ^2/NDF: 10029233.1/49

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 21.156+/-20.164 χ^2/NDF: 22.4/20

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -16.446+/-19.358 χ^2/NDF: 29.1/26

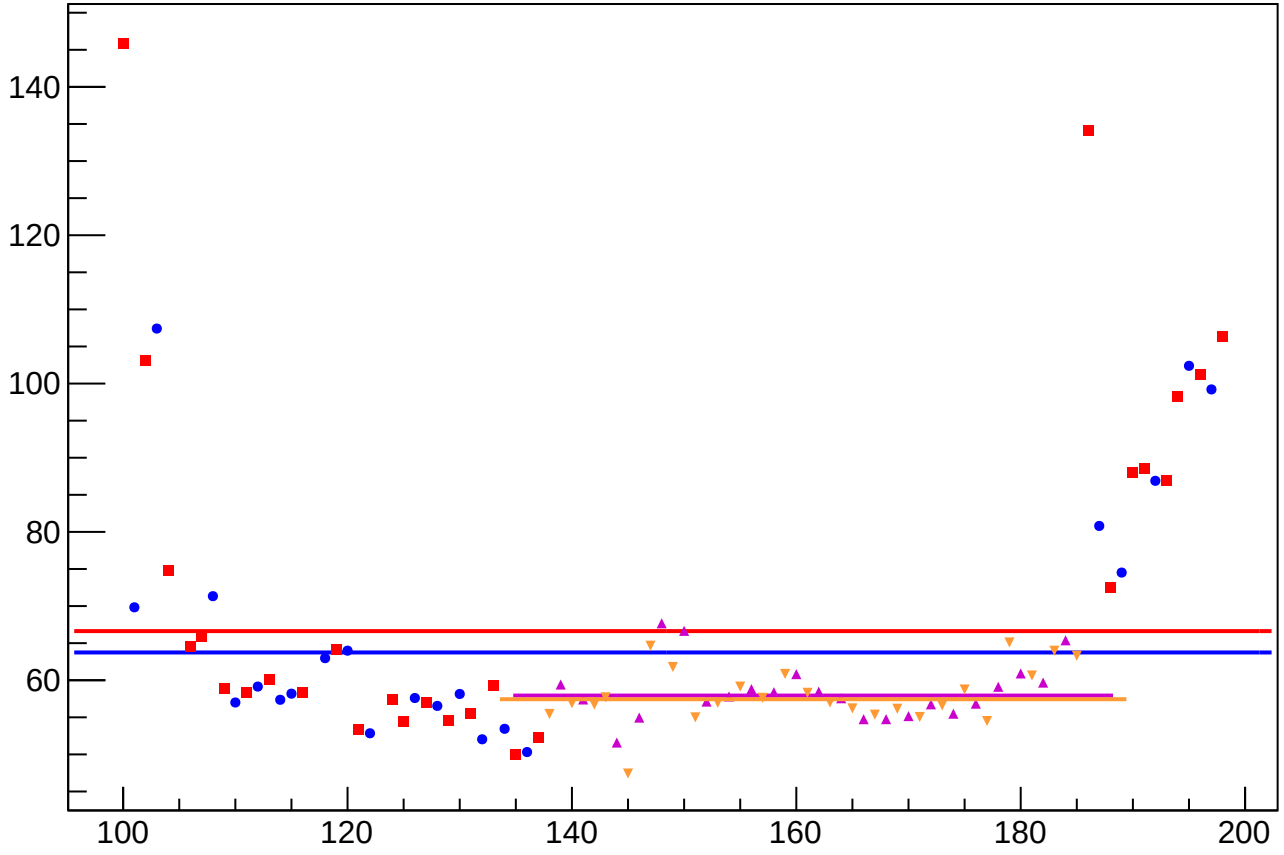
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -68.374+/-10.979 χ^2/NDF: 91.1/45

All: -7.905+/-7.809 χ^2/NDF: 225.3/95

- sign 54.014+/-11.110 χ^2/NDF: 72.8/49

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 63.744+/-0.014 χ^2/NDF: 1139004.6/20

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

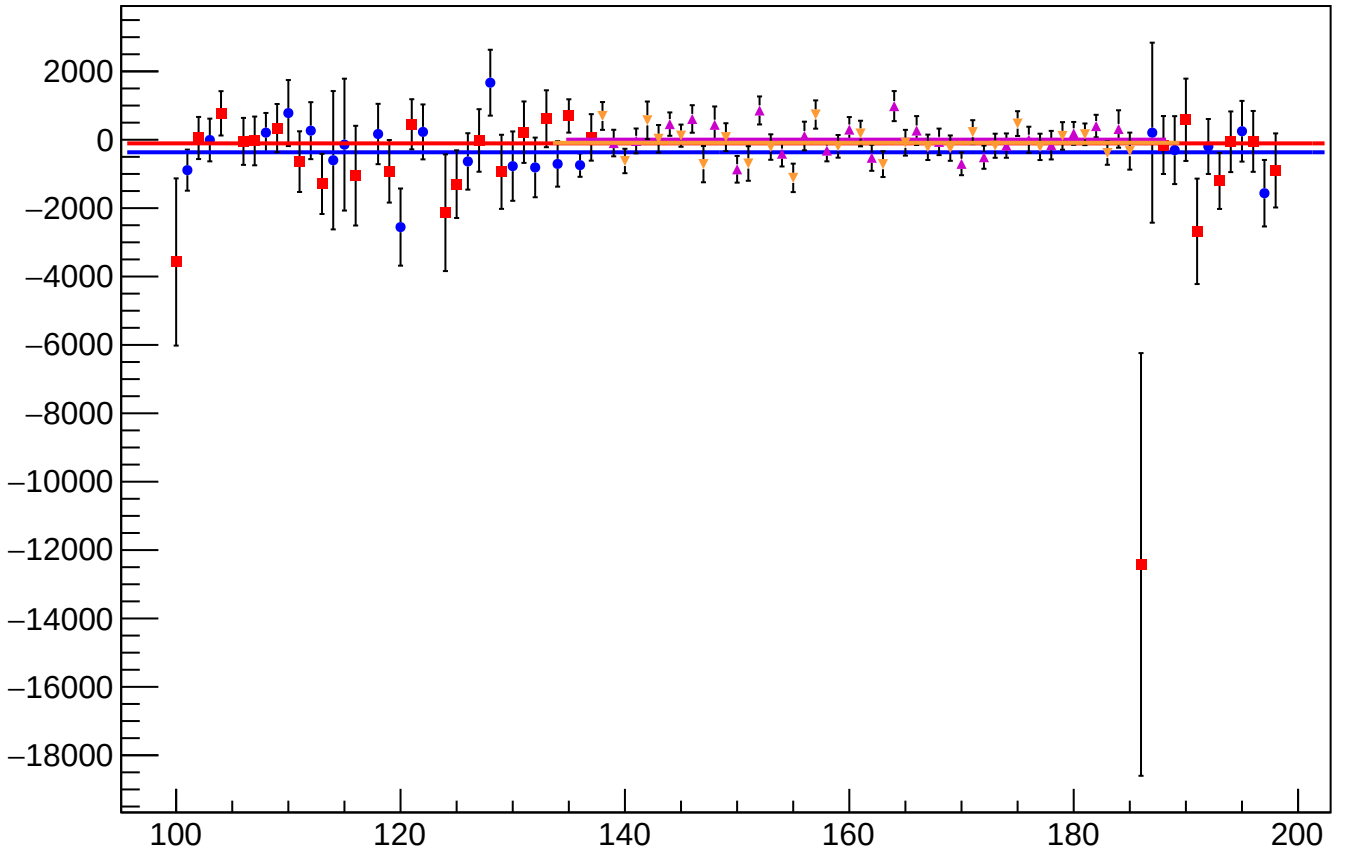
Right Out: 66.625+/-0.014 χ^2/NDF: 1609106.4/26

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 59.309+/-0.008 χ^2/NDF: 1451099.5/45

All: 60.044+/-0.006 χ^2/NDF: 3484649.2/95

- sign 60.796+/-0.008 χ^2/NDF: 2015435.0/49



Right In: -366.529+/-167.388 χ^2/NDF: 17.3/20

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -105.873+/-163.875 χ^2/NDF: 24.8/26

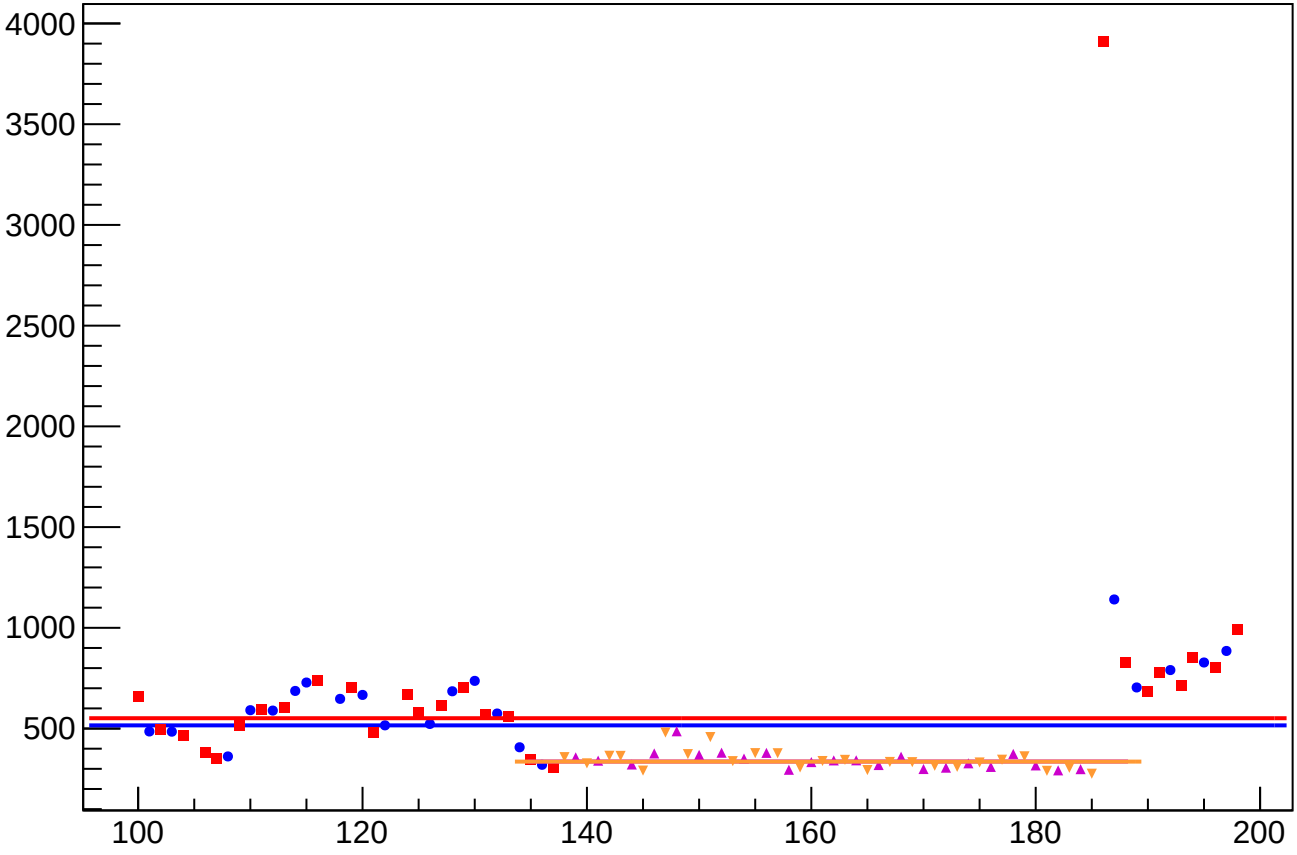
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -137.531+/-69.962 χ^2/NDF: 49.5/45

All: -78.692+/-49.938 χ^2/NDF: 109.7/95

- sign -17.575+/-71.304 χ^2/NDF: 58.8/49

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 515.746+/-0.118 χ^2/NDF: 2129282.1/20

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 551.284+/-0.116 χ^2/NDF: 2804614.2/26

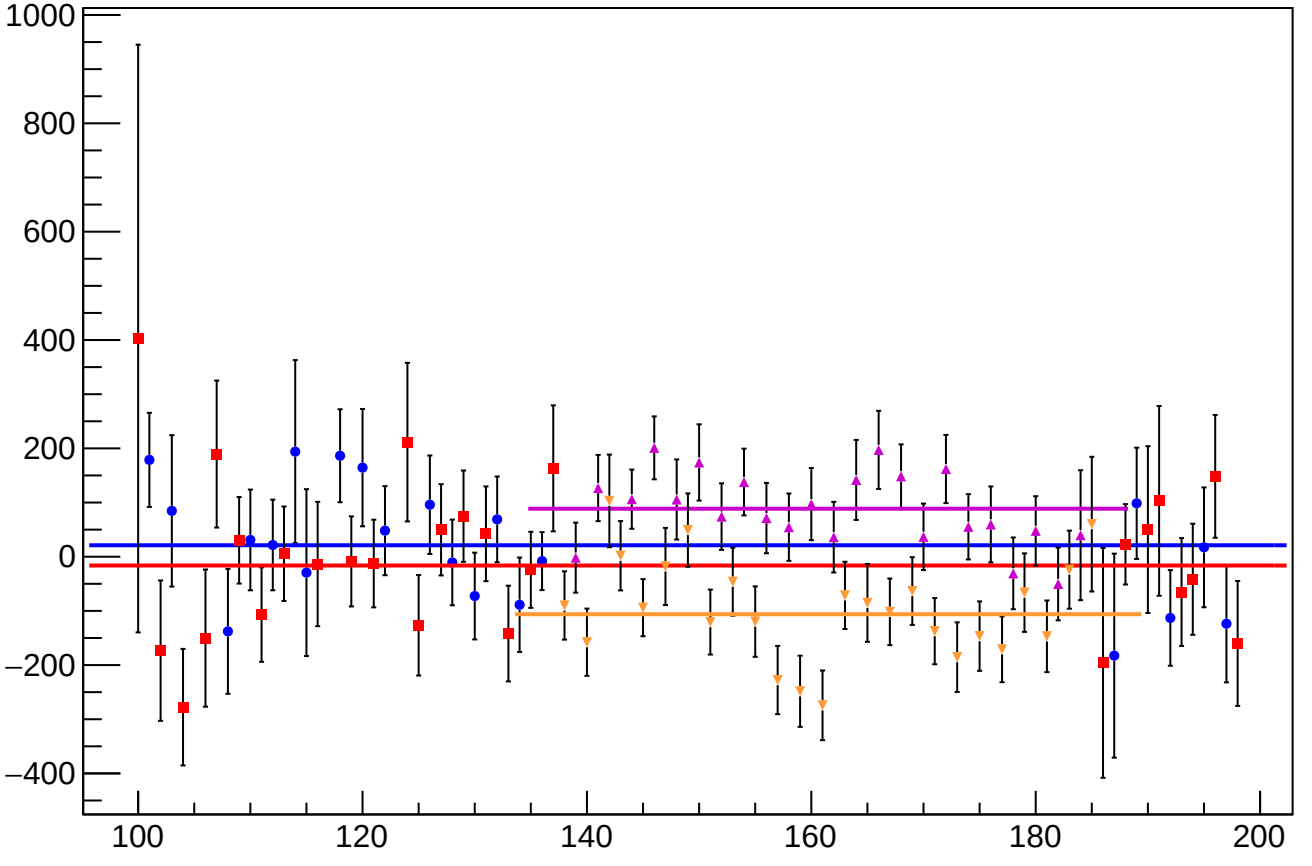
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 367.313+/-0.049 χ^2/NDF: 4568711.4/45

All: 372.082+/-0.035 χ^2/NDF: 10595743.2/95

- sign 377.036+/-0.050 χ^2/NDF: 6008085.7/49

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 21.154+/-20.164 χ^2/NDF: 22.4/20

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -16.233+/-19.361 χ^2/NDF: 29.0/26

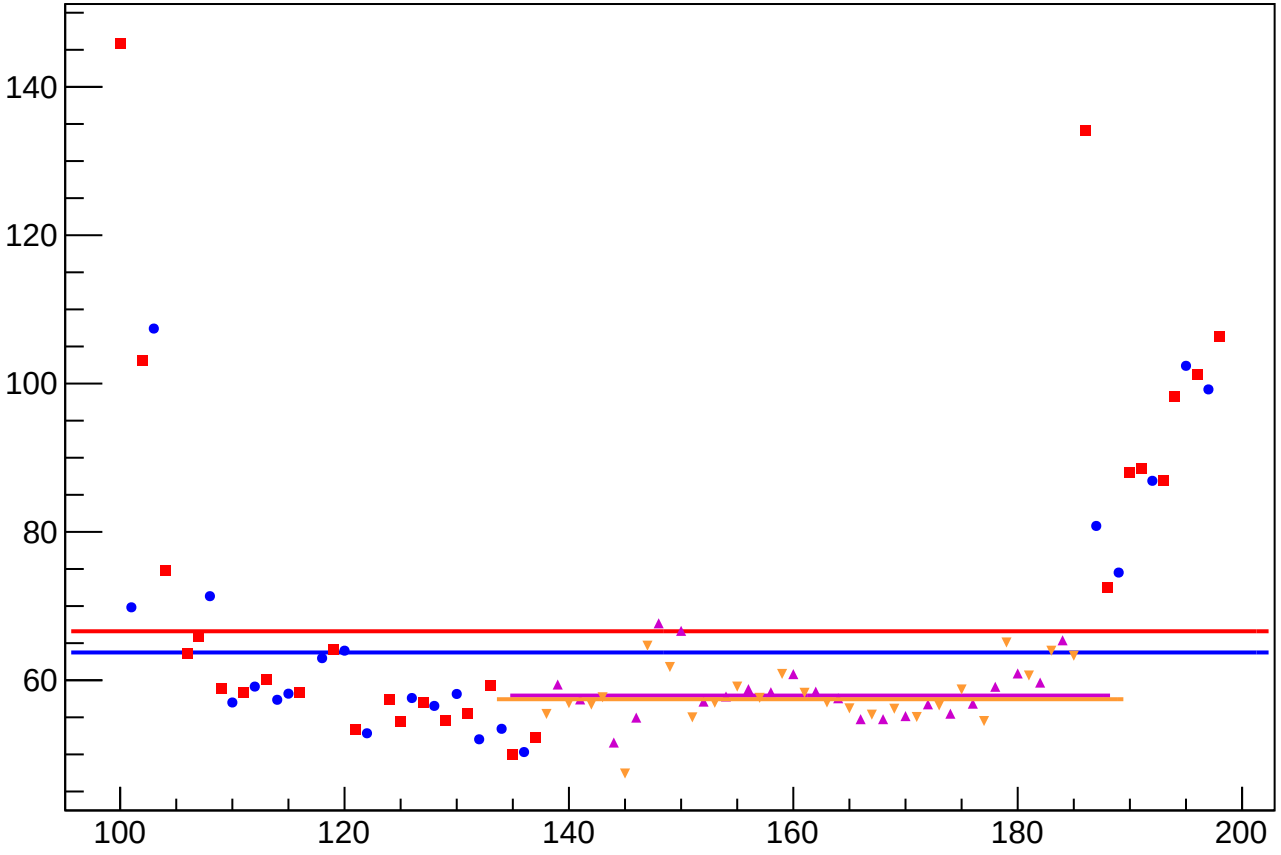
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -68.374+/-10.979 χ^2/NDF: 91.1/45

All: -7.869+/-7.809 χ^2/NDF: 225.2/95

- sign 54.092+/-11.110 χ^2/NDF: 72.6/49

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 63.744+/-0.014 χ^2/NDF: 1139006.6/20

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

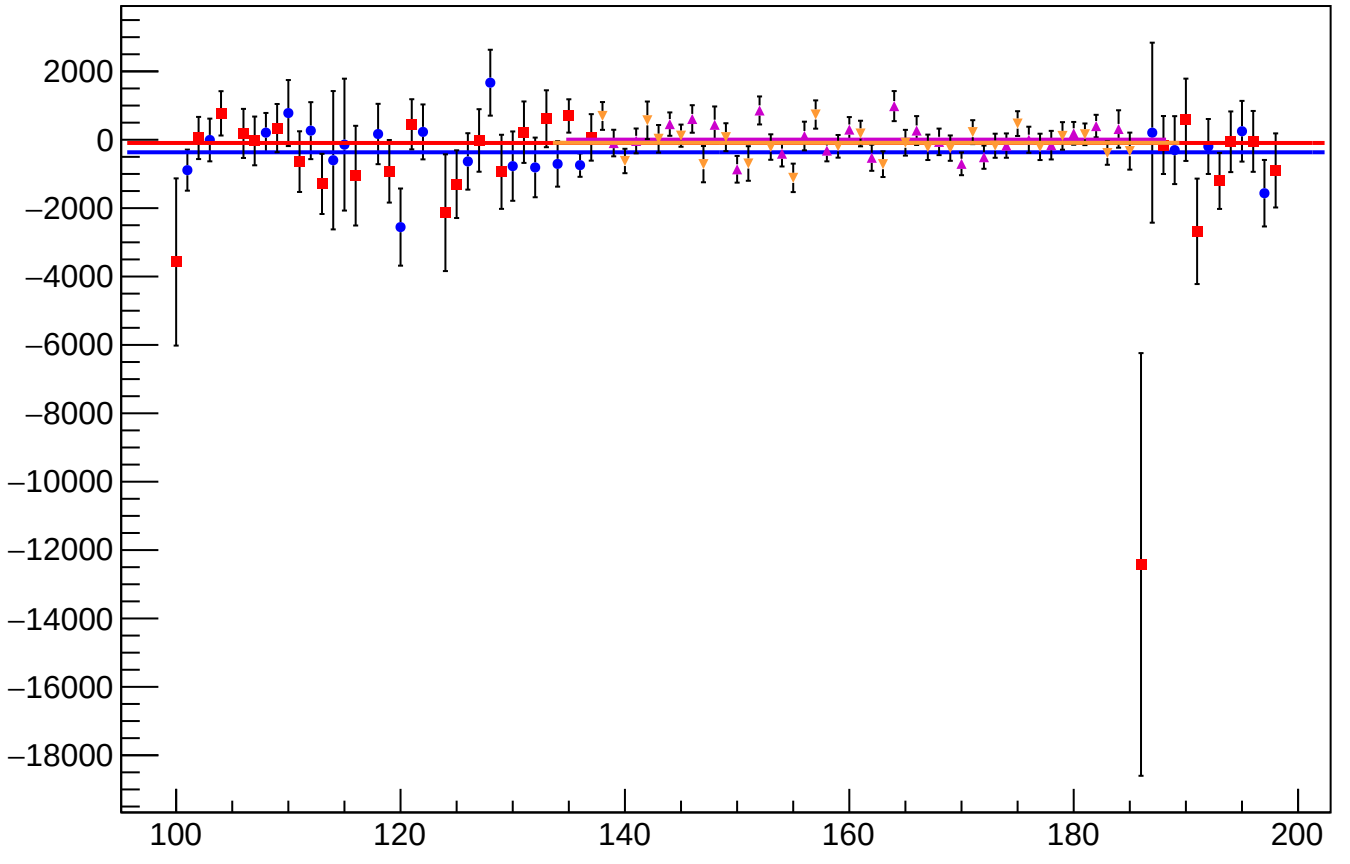
Right Out: 66.602+/-0.014 χ^2/NDF: 1609935.5/26

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 59.309+/-0.008 χ^2/NDF: 1451101.5/45

All: 60.040+/-0.006 χ^2/NDF: 3483851.8/95

- sign 60.788+/-0.008 χ^2/NDF: 2014827.9/49



Right In: -366.498+/-167.388 χ^2/NDF: 17.3/20

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -93.985+/-164.280 χ^2/NDF: 25.0/26

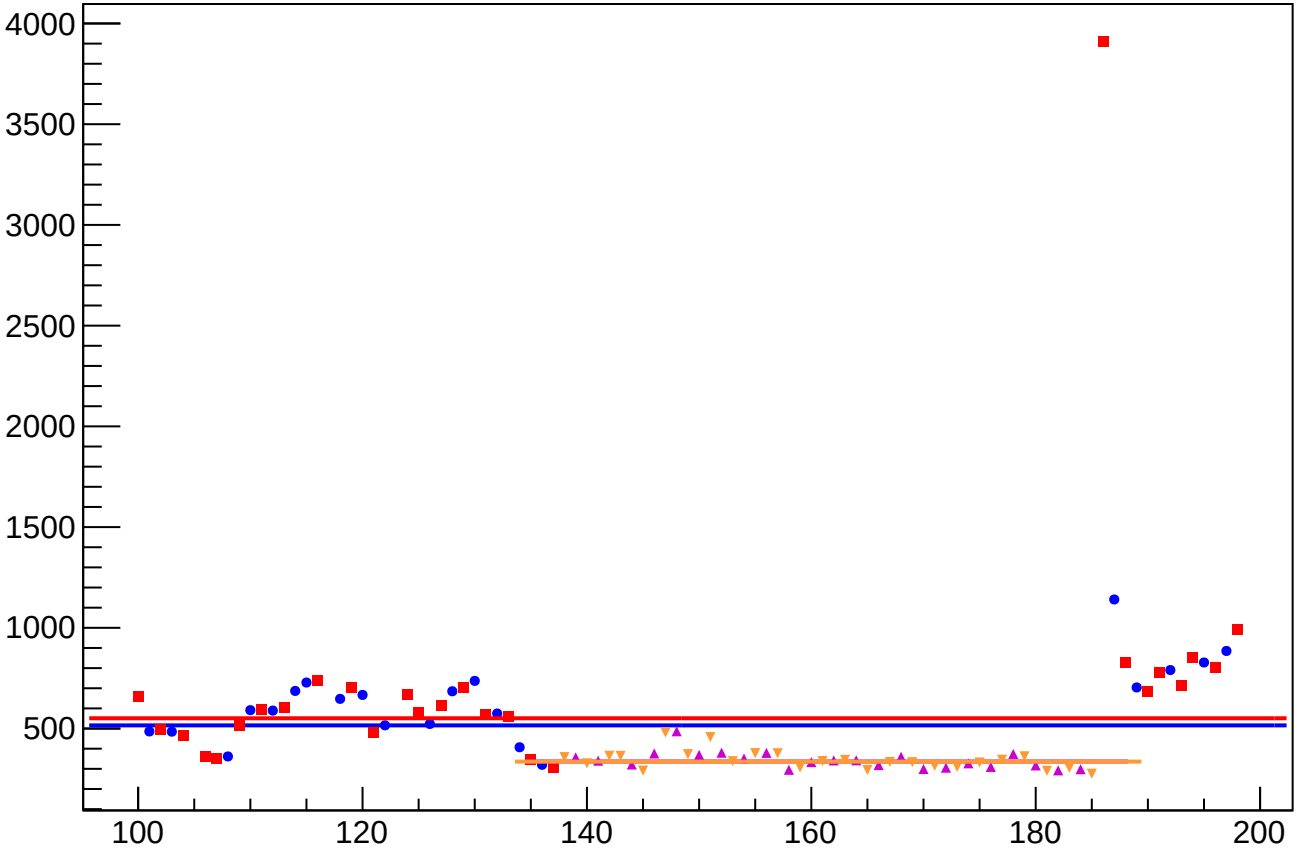
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -137.527+/-69.962 χ^2/NDF: 49.5/45

All: -77.578+/-49.950 χ^2/NDF: 109.9/95

- sign -15.249+/-71.337 χ^2/NDF: 58.9/49

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 515.749+/-0.118 χ^2/NDF: 2129266.5/20

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 551.046+/-0.116 χ^2/NDF: 2823290.0/26

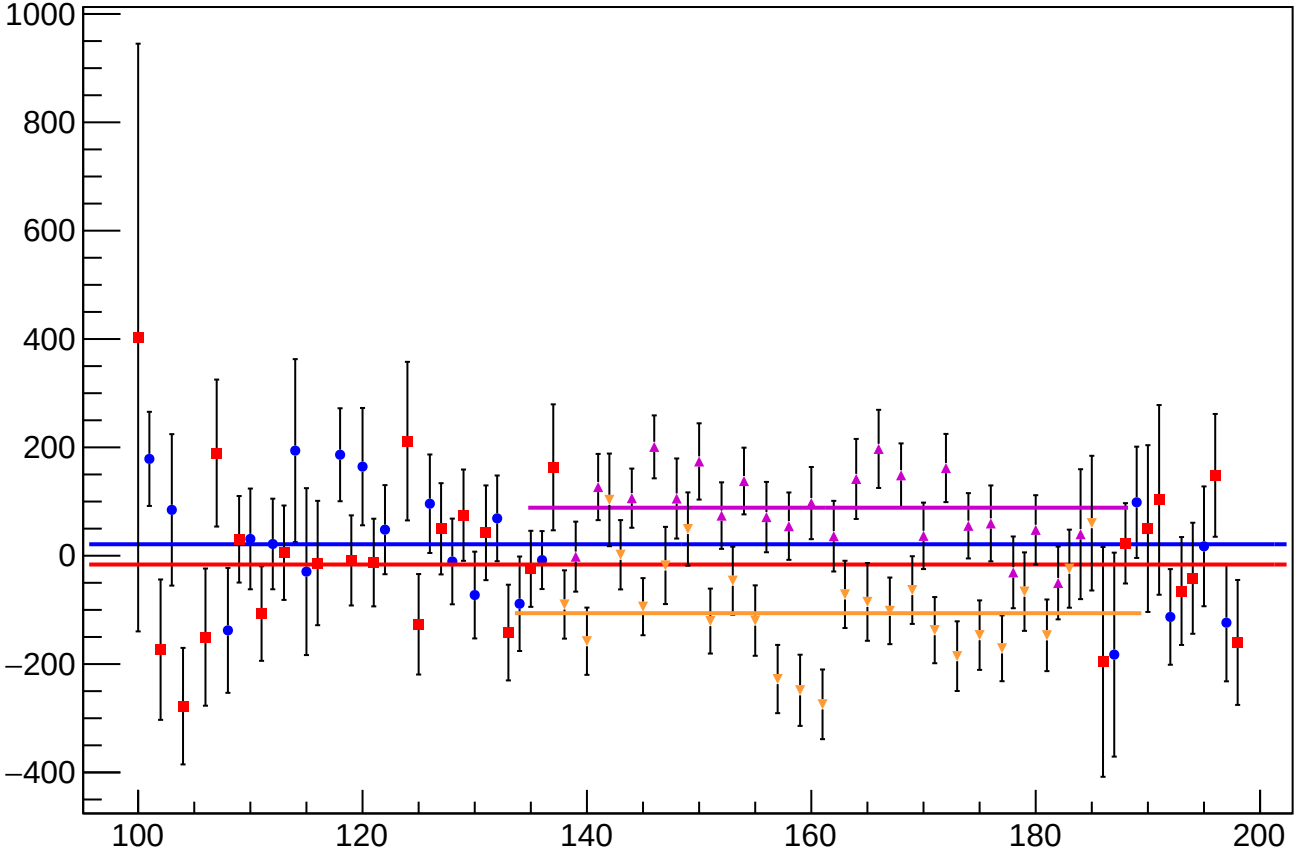
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 367.313+/-0.049 χ^2/NDF: 4568738.1/45

All: 371.978+/-0.035 χ^2/NDF: 10596336.7/95

- sign 376.828+/-0.050 χ^2/NDF: 6009462.6/49

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 21.154+/-20.164 χ^2/NDF: 22.4/20

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -16.233+/-19.361 χ^2/NDF: 29.0/26

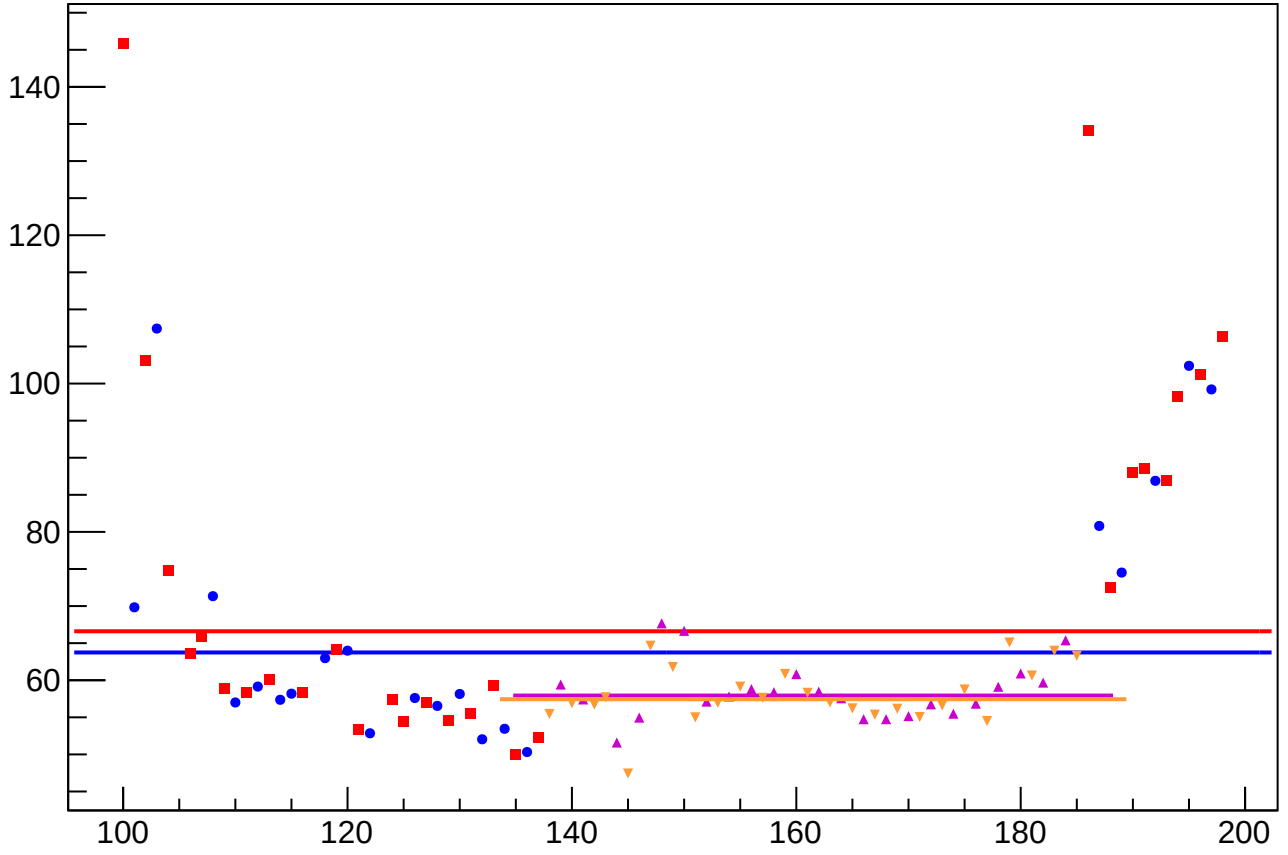
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -68.374+/-10.979 χ^2/NDF: 91.1/45

All: -7.869+/-7.809 χ^2/NDF: 225.2/95

- sign 54.092+/-11.110 χ^2/NDF: 72.6/49

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 63.744+/-0.014 χ^2/NDF: 1139006.6/20

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

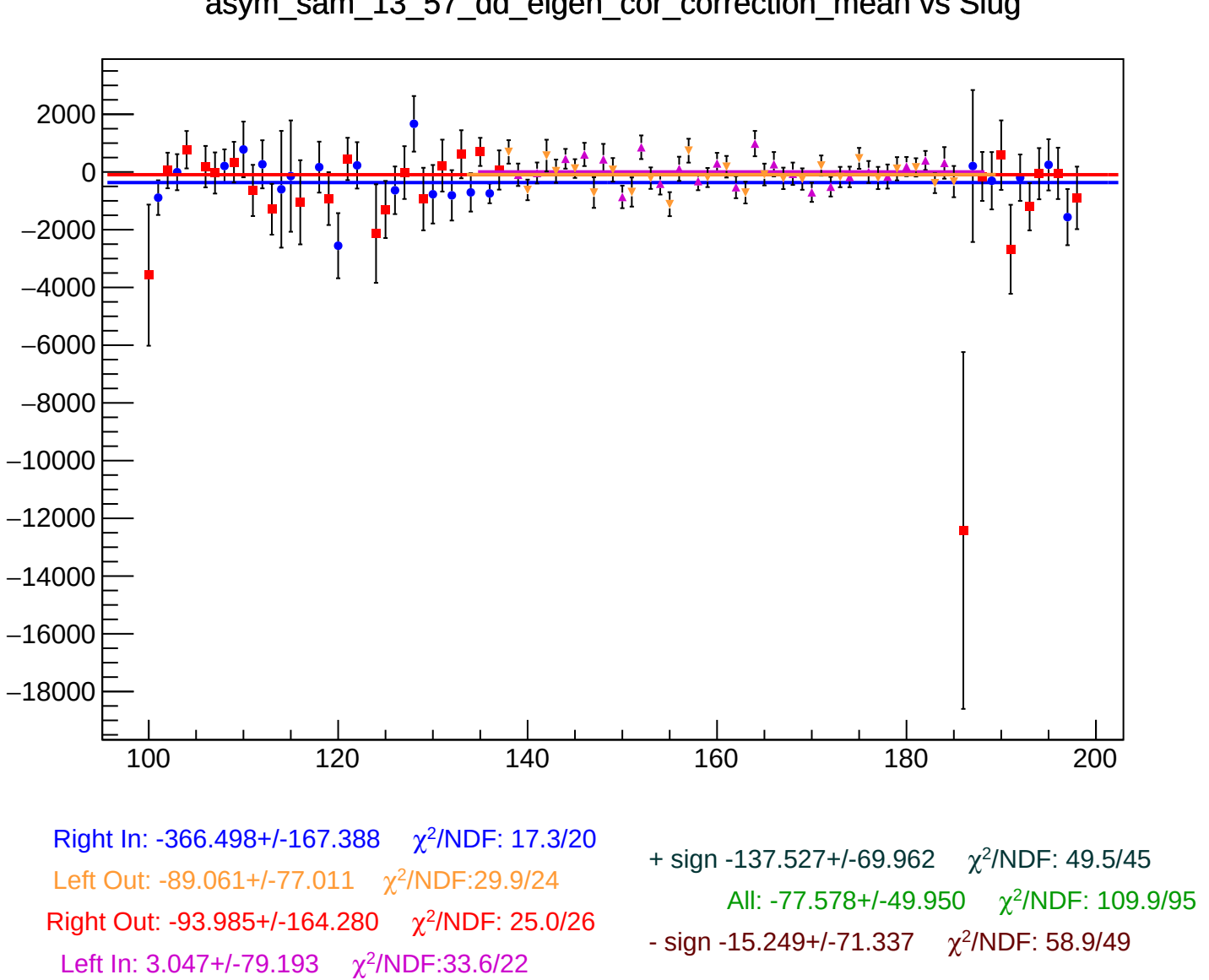
Right Out: 66.602+/-0.014 χ^2/NDF: 1609935.5/26

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

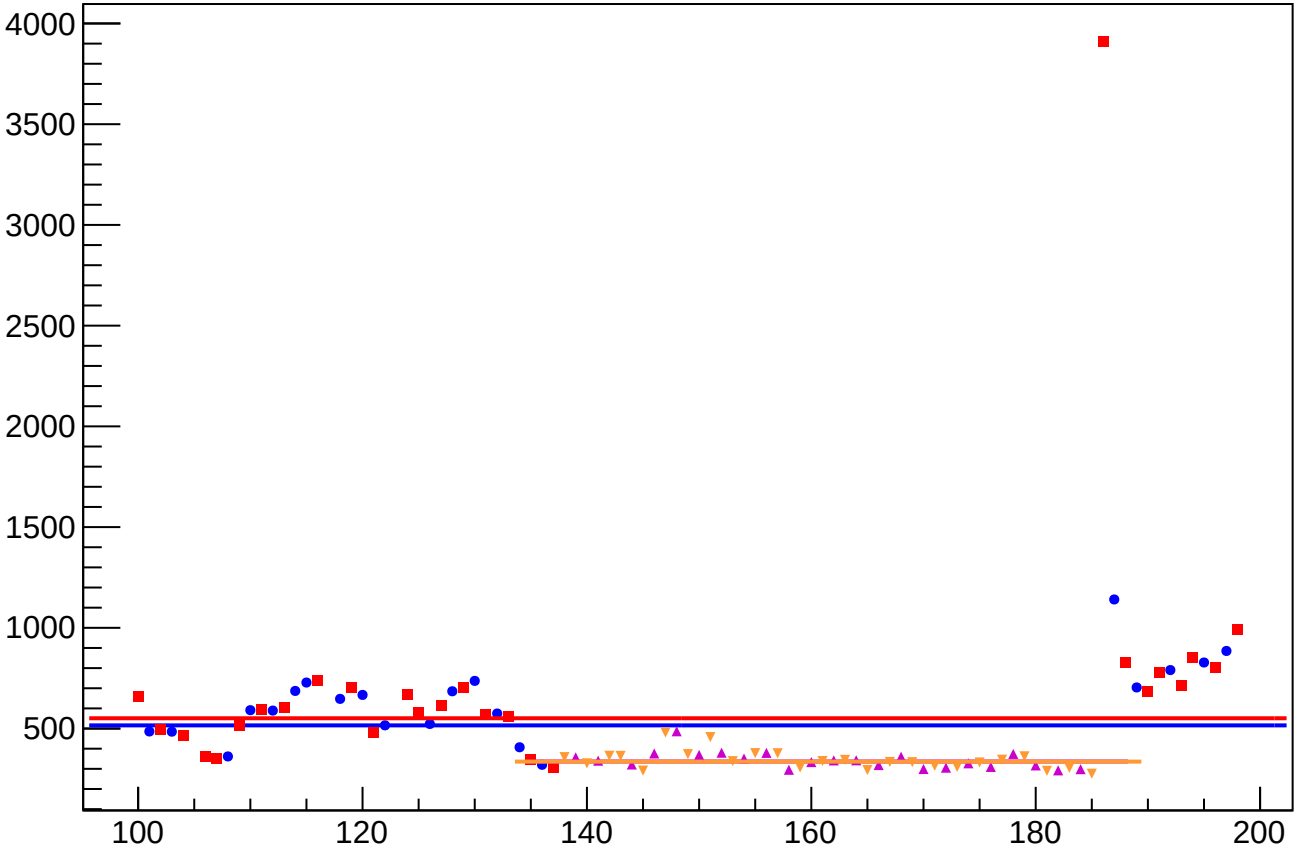
+ sign 59.309+/-0.008 χ^2/NDF: 1451101.5/45

All: 60.040+/-0.006 χ^2/NDF: 3483851.8/95

- sign 60.788+/-0.008 χ^2/NDF: 2014827.9/49


asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
−18000
100
120
140
160
180
200
Right In: -366.498+/-167.388 χ²/NDF: 17.3/20
Left Out: -89.061+/-77.011 χ²/NDF:29.9/24
Right Out: -93.985+/-164.280 χ²/NDF: 25.0/26
Left In: 3.047+/-79.193 χ²/NDF:33.6/22
+ sign -137.527+/-69.962 χ²/NDF: 49.5/45
All: -77.578+/-49.950 χ²/NDF: 109.9/95
- sign -15.249+/-71.337 χ²/NDF: 58.9/49

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 515.749+/-0.118 χ^2/NDF: 2129266.5/20

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 551.046+/-0.116 χ^2/NDF: 2823290.0/26

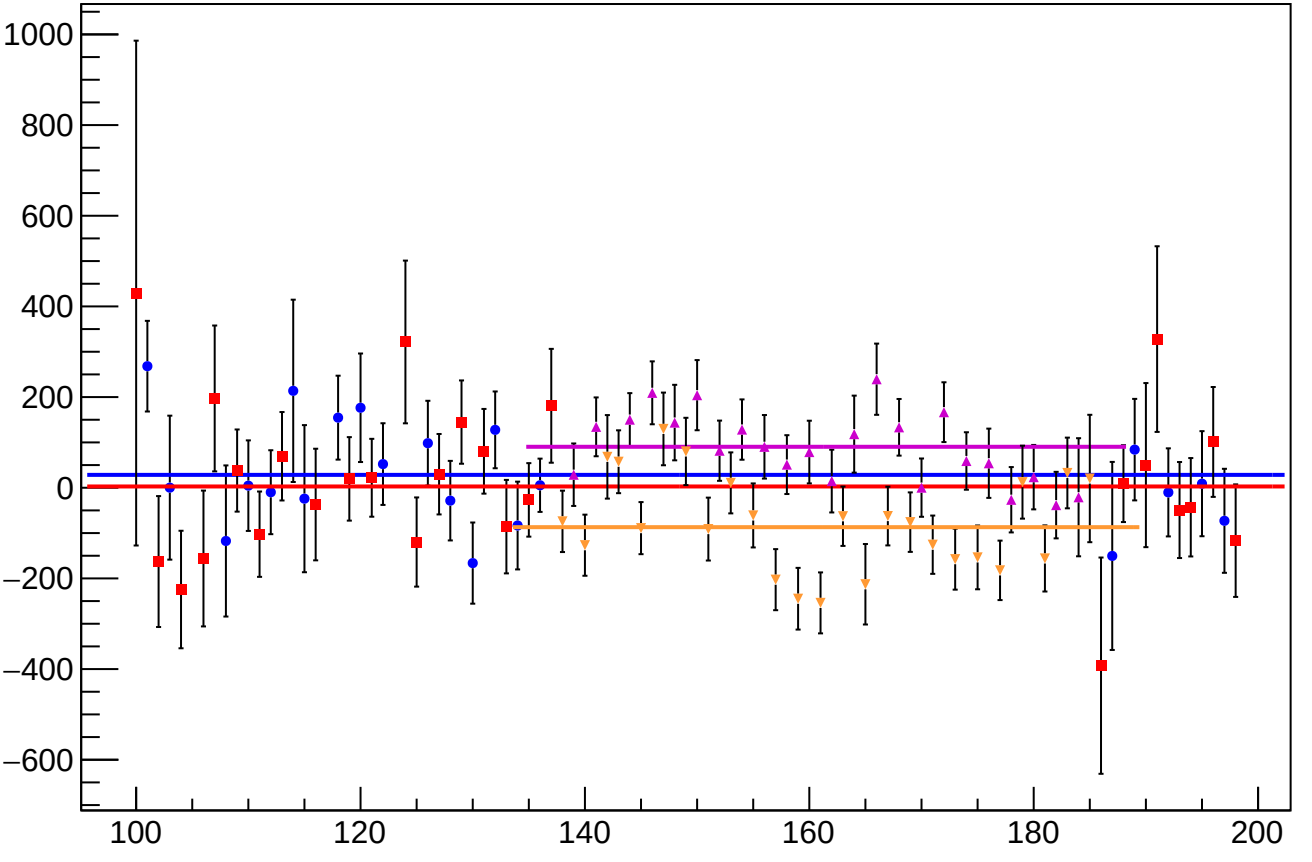
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 367.313+/-0.049 χ^2/NDF: 4568738.1/45

All: 371.978+/-0.035 χ^2/NDF: 10596336.7/95

- sign 376.828+/-0.050 χ^2/NDF: 6009462.6/49

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 28.398+/-22.199 χ^2/NDF: 21.7/20

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 2.821+/-21.441 χ^2/NDF: 27.7/26

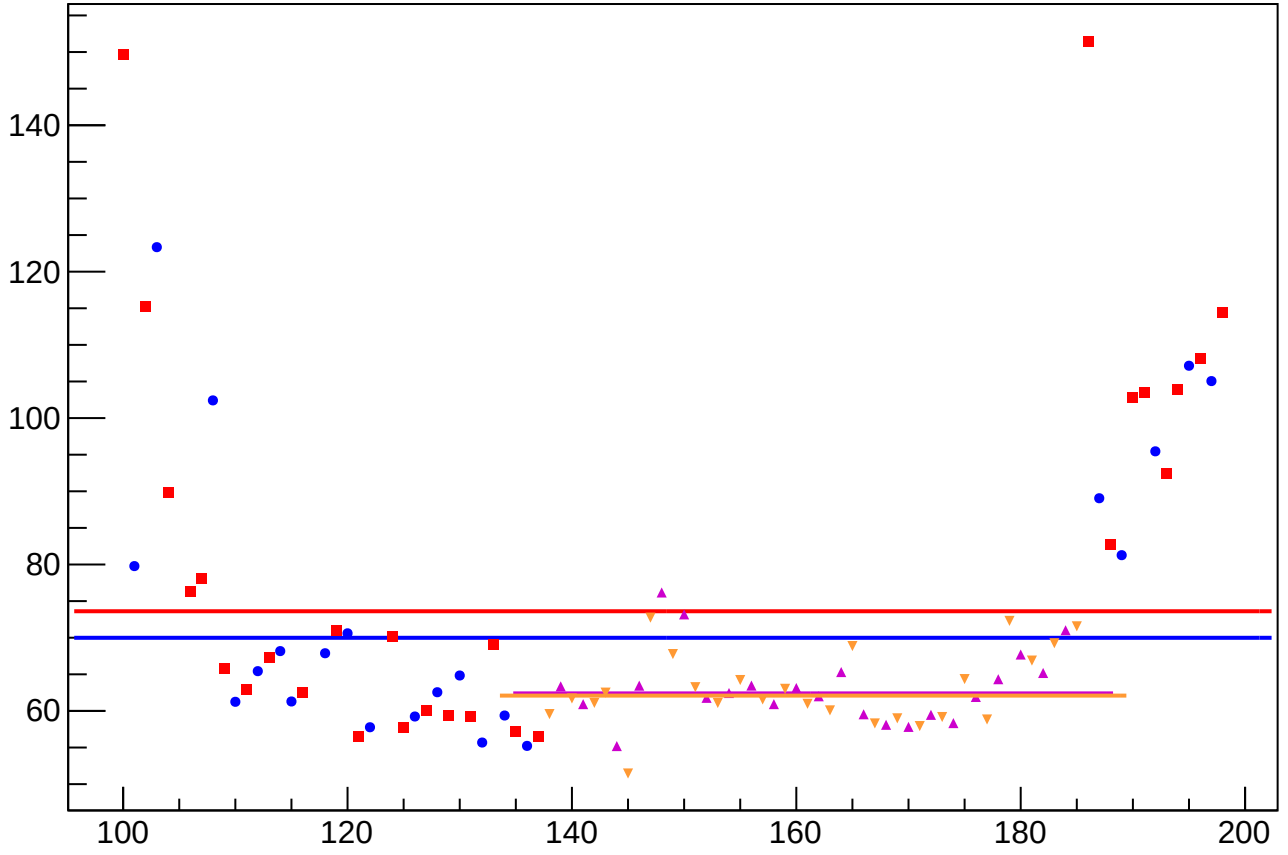
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

\+ sign -53.546+/-11.947 χ^2/NDF: 89.7/45

All: 3.731+/-8.501 χ^2/NDF: 200.4/95

\- sign 62.484+/-12.100 χ^2/NDF: 64.1/49

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 69.989+/-0.016 χ^2/NDF: 1206719.6/20

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 73.616+/-0.015 χ^2/NDF: 1631702.6/26

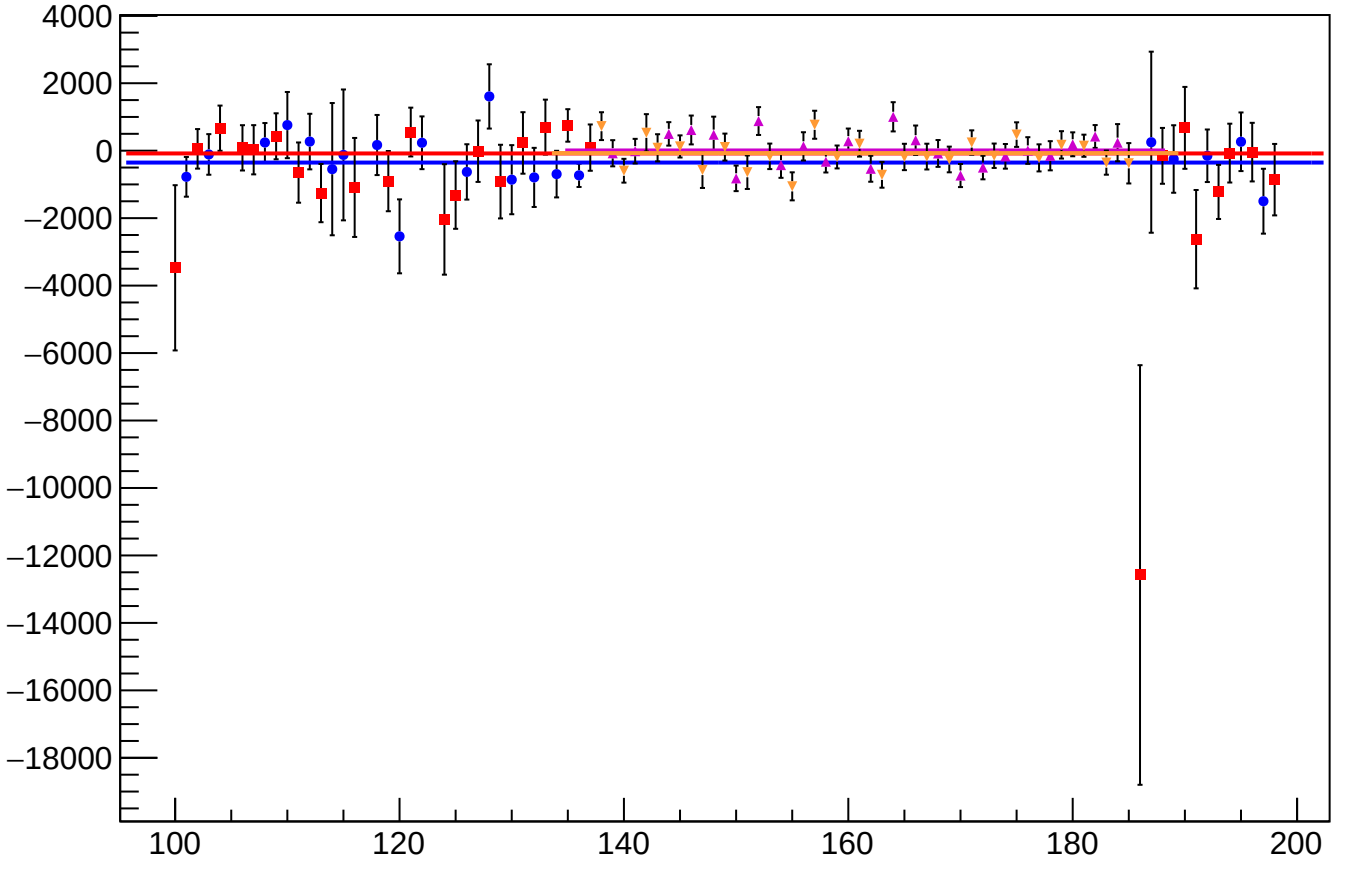
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 64.380+/-0.008 χ^2/NDF: 1619823.2/45

All: 65.164+/-0.006 χ^2/NDF: 3831076.5/95

- sign 65.968+/-0.009 χ^2/NDF: 2193805.4/49

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -352.323+/-166.807 χ^2/NDF: 16.8/20

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -81.944+/-162.102 χ^2/NDF: 25.8/26

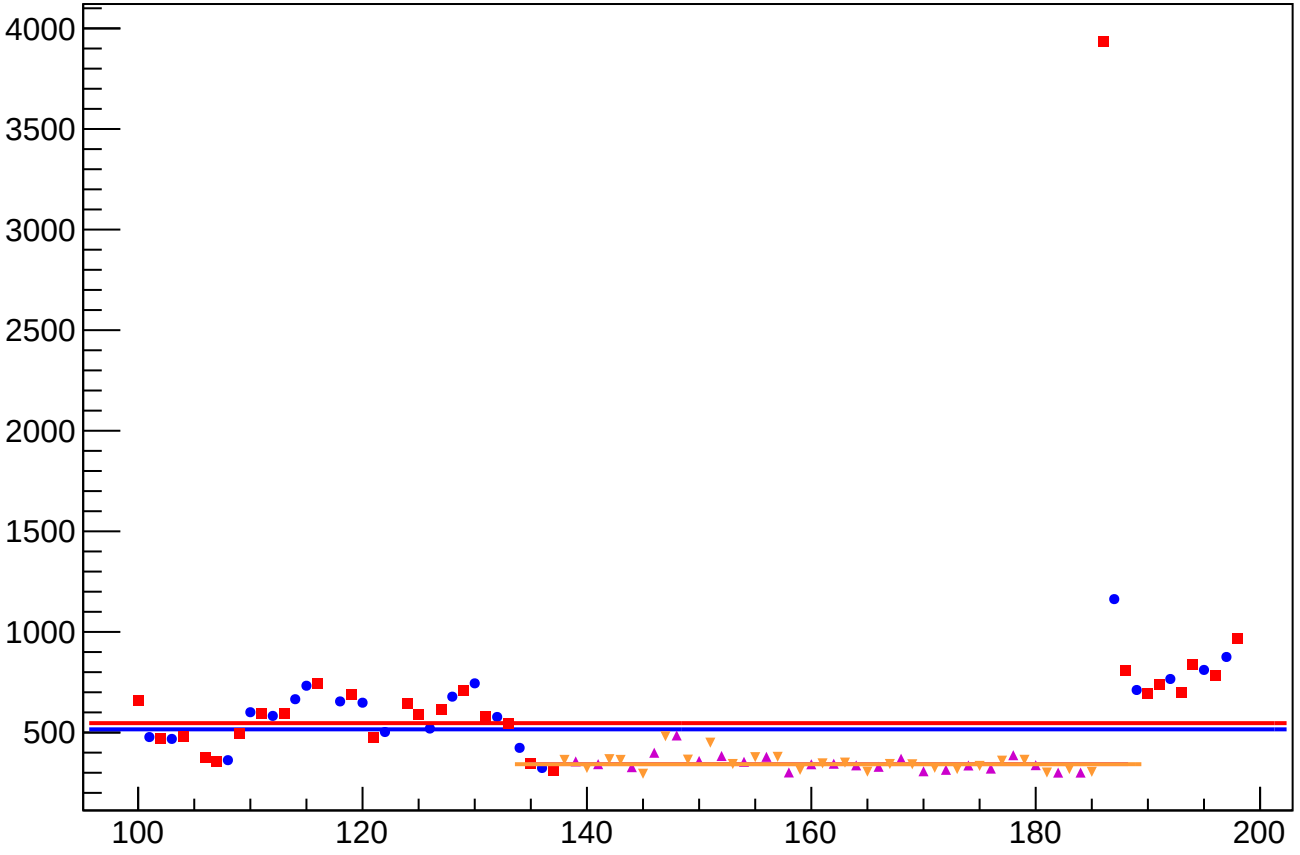
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -122.166+/-70.953 χ^2/NDF: 47.7/45

All: -67.804+/-50.636 χ^2/NDF: 109.0/95

- sign -11.380+/-72.286 χ^2/NDF: 60.1/49

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 515.728+/-0.118 χ^2/NDF: 2038133.0/20

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 546.566+/-0.115 χ^2/NDF: 2728275.3/26

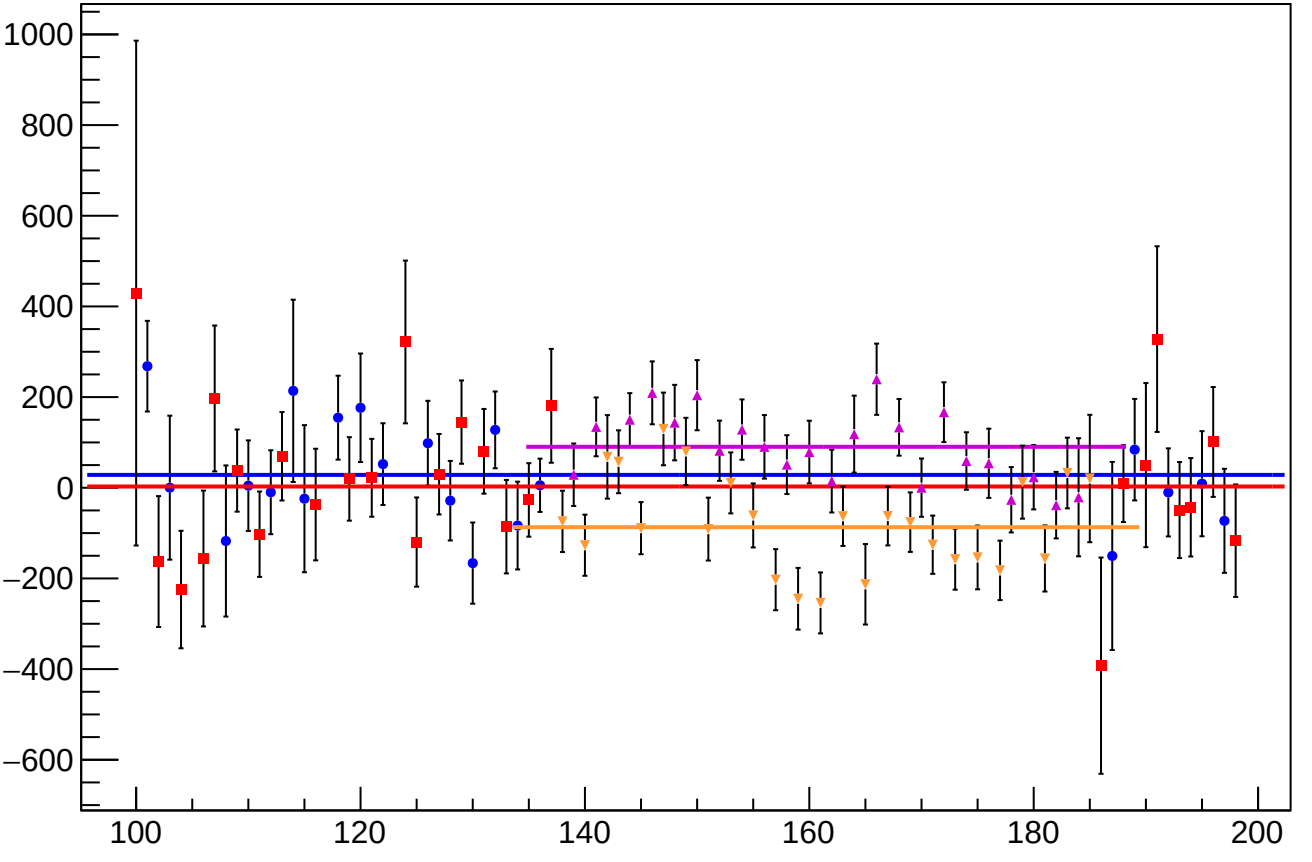
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 373.844+/-0.050 χ^2/NDF: 4238967.2/45

All: 378.668+/-0.036 χ^2/NDF: 9879825.1/95

- sign 383.675+/-0.051 χ^2/NDF: 5622017.8/49

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 28.399+/-22.199 χ^2/NDF: 21.7/20

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 2.821+/-21.441 χ^2/NDF: 27.7/26

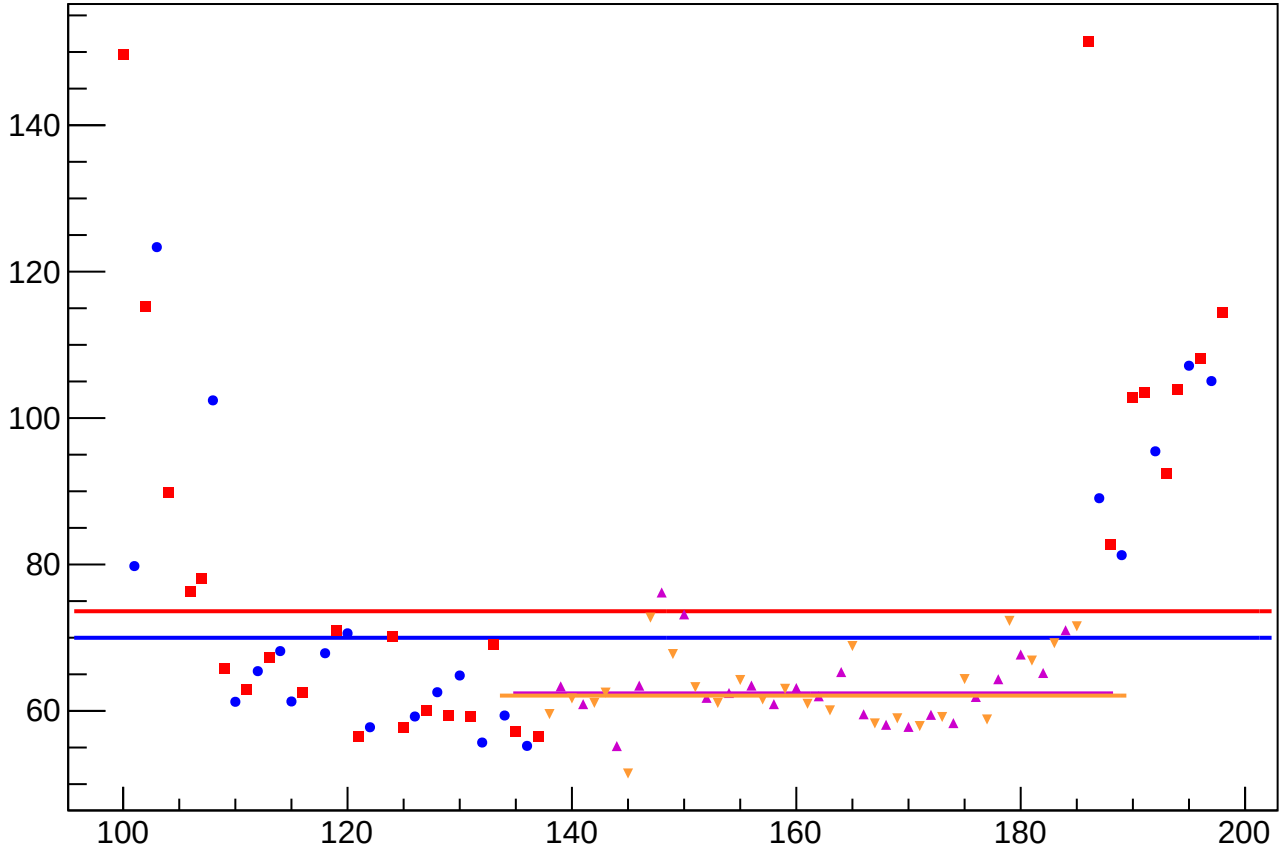
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -53.546+/-11.947 χ^2/NDF: 89.7/45

All: 3.732+/-8.501 χ^2/NDF: 200.4/95

- sign 62.484+/-12.100 χ^2/NDF: 64.1/49

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 69.989+/-0.016 χ^2/NDF: 1206740.4/20

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

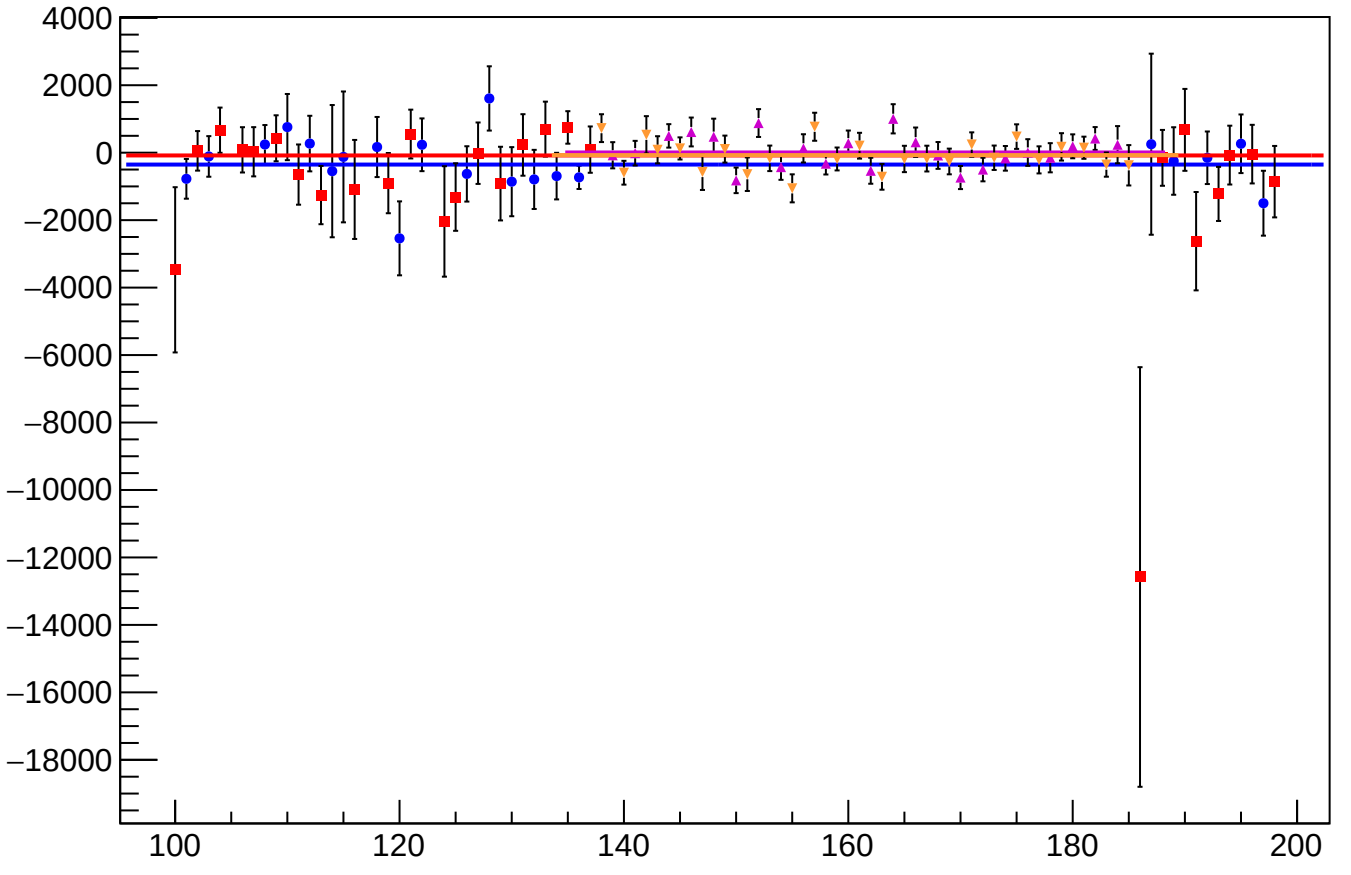
Right Out: 73.615+/-0.015 χ^2/NDF: 1631703.9/26

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 64.380+/-0.008 χ^2/NDF: 1619844.6/45

All: 65.164+/-0.006 χ^2/NDF: 3831096.5/95

- sign 65.968+/-0.009 χ^2/NDF: 2193803.4/49



Right In: -352.323+/-166.807 χ^2/NDF: 16.8/20

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -81.944+/-162.102 χ^2/NDF: 25.8/26

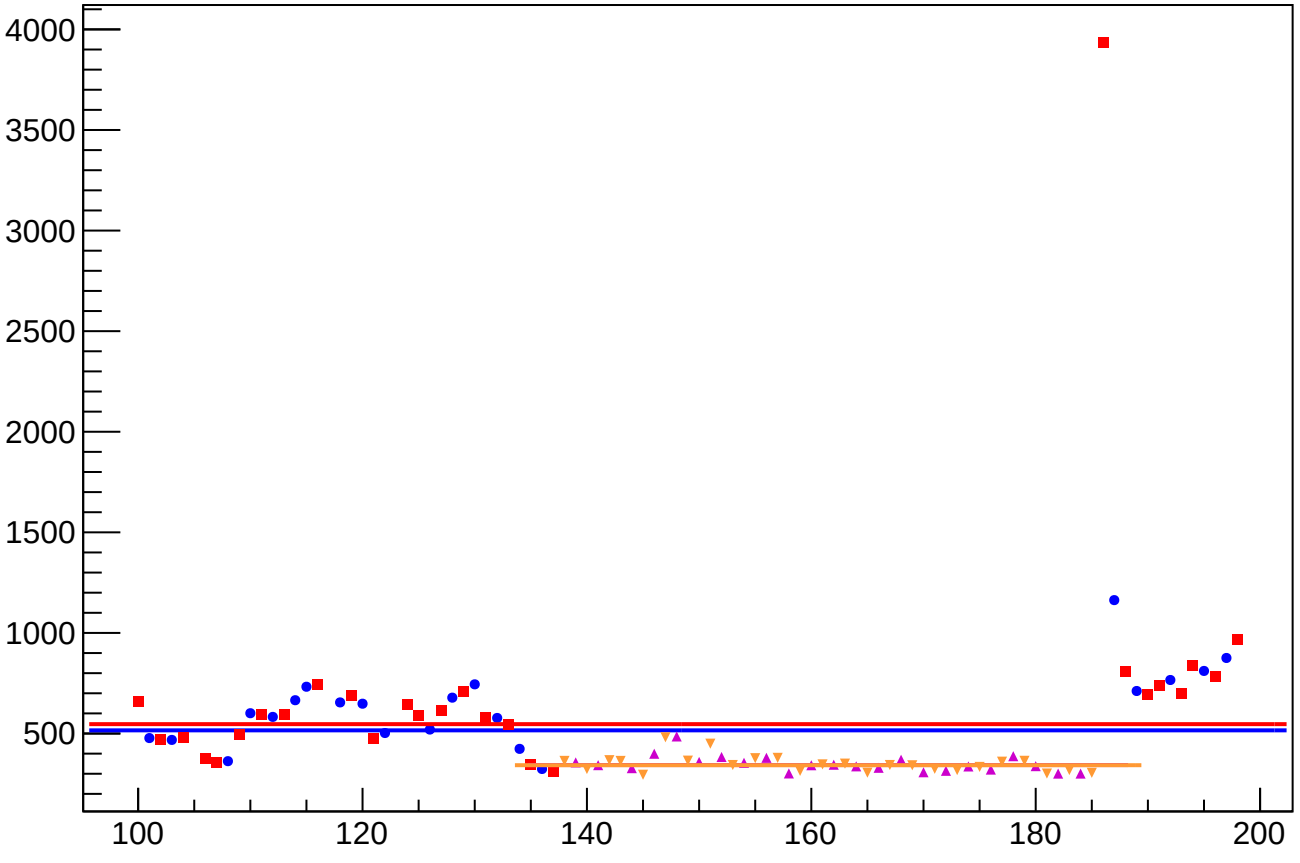
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -122.166+/-70.953 χ^2/NDF: 47.7/45

All: -67.803+/-50.636 χ^2/NDF: 109.0/95

- sign -11.380+/-72.286 χ^2/NDF: 60.1/49

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 515.727+/-0.118 χ^2/NDF: 2038134.2/20

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 546.565+/-0.115 χ^2/NDF: 2728279.8/26

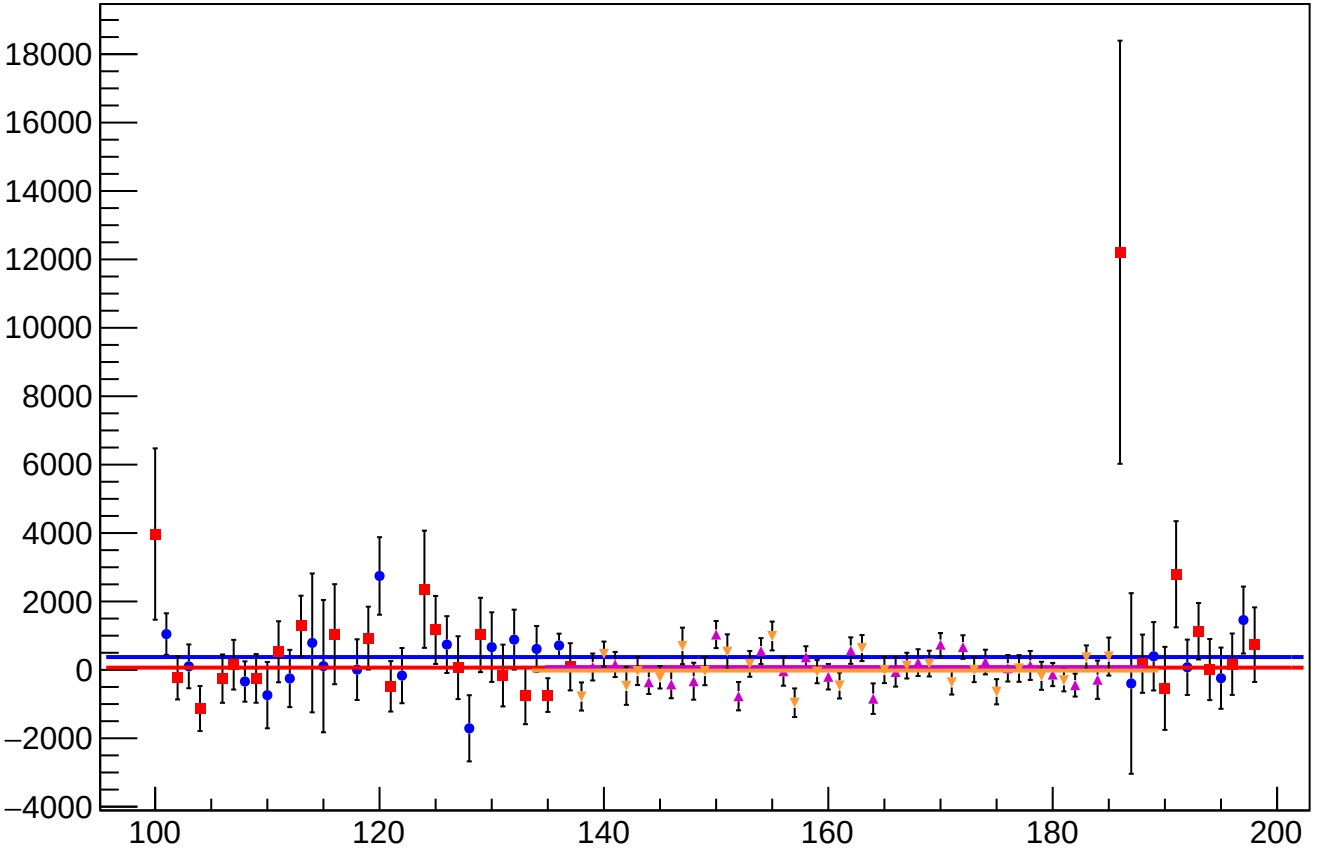
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

\+ sign 373.844+/-0.050 χ^2/NDF: 4238960.8/45

All: 378.668+/-0.036 χ^2/NDF: 9879807.7/95

\- sign 383.675+/-0.051 χ^2/NDF: 5622006.4/49

asym_sam_13_57_dd_mean vs Slug



Right In: 374.797+/-169.180 χ^2/NDF: 18.1/20

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 65.579+/-165.656 χ^2/NDF: 27.1/26

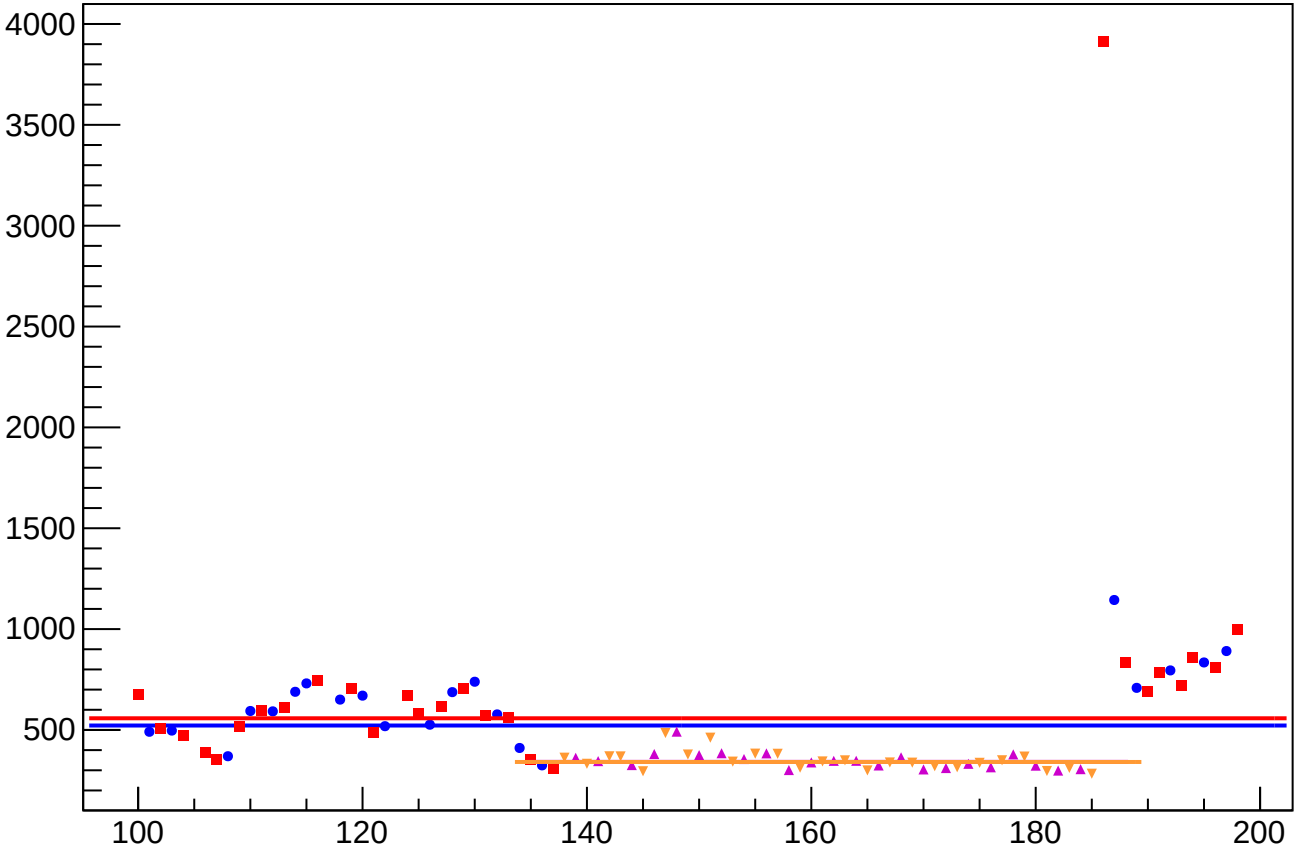
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 49.271+/-70.981 χ^2/NDF: 54.0/45

All: 62.487+/-50.664 χ^2/NDF: 114.1/95

- sign 76.213+/-72.338 χ^2/NDF: 60.1/49

asym_sam_13_57_dd_rms vs Slug



Right In: 521.949+/-0.120 χ^2/NDF: 2082053.3/20

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

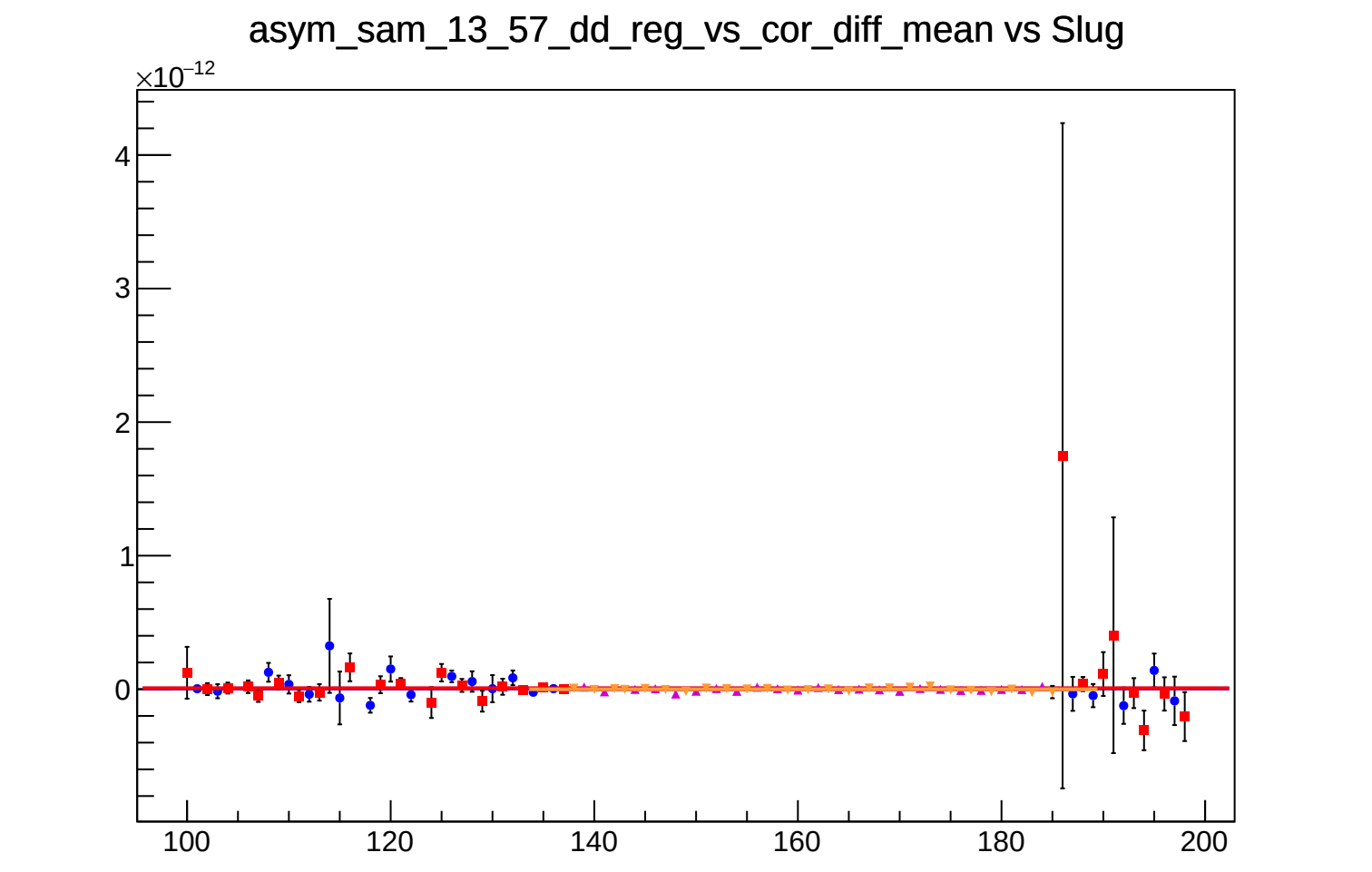
Right Out: 557.832+/-0.117 χ^2/NDF: 2751869.1/26

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 373.016+/-0.050 χ^2/NDF: 4473943.5/45

All: 377.840+/-0.036 χ^2/NDF: 10398829.6/95

- sign 382.851+/-0.051 χ^2/NDF: 5906052.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

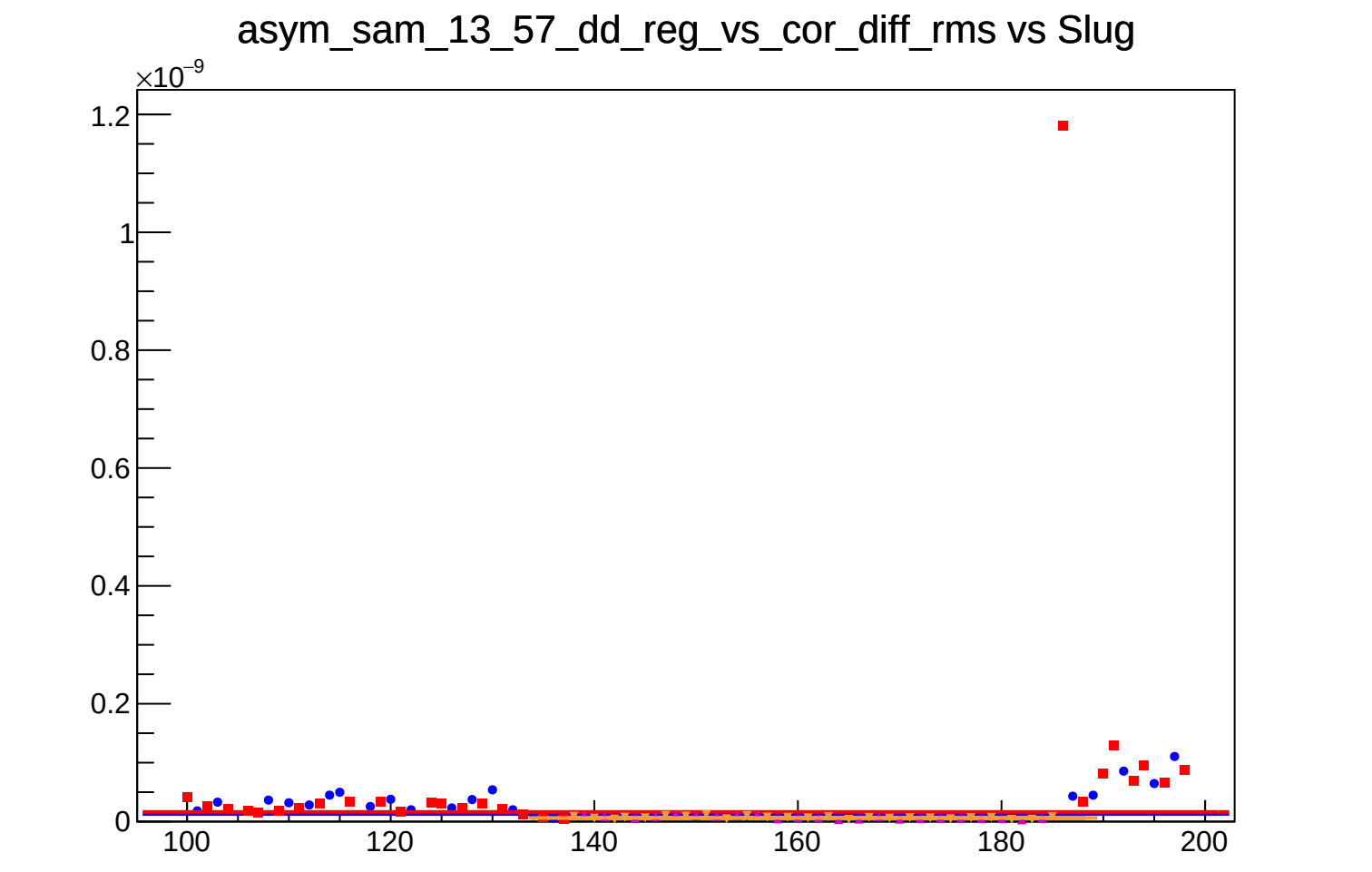
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/26

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.5/45

All: -0.000+/-0.000 χ^2/NDF: 80.7/95

- sign -0.000+/-0.000 χ^2/NDF: 37.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 4748652.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4498468.0/26

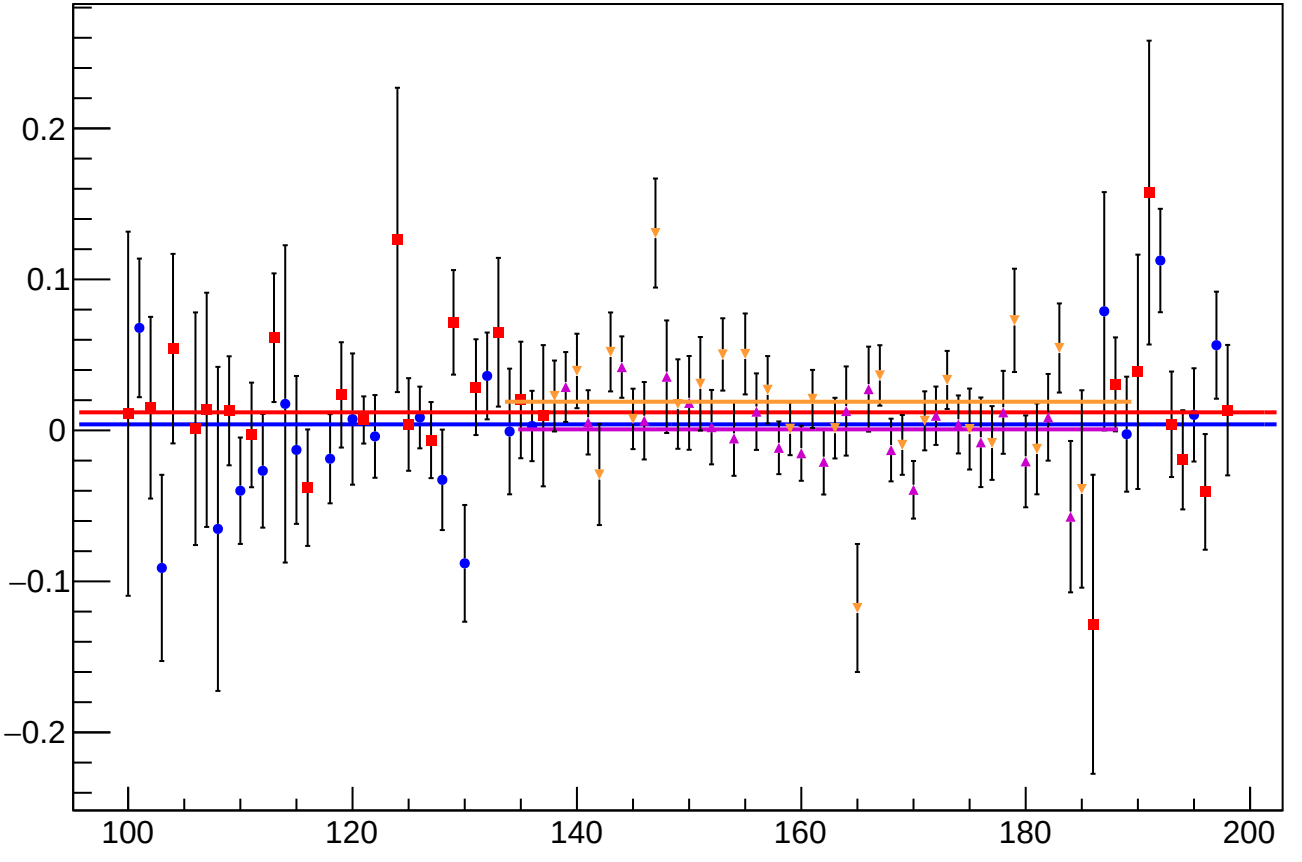
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7206960.8/45

All: 0.000+/-0.000 χ^2/NDF: 15835451.7/95

- sign 0.000+/-0.000 χ^2/NDF: 8628430.0/49

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

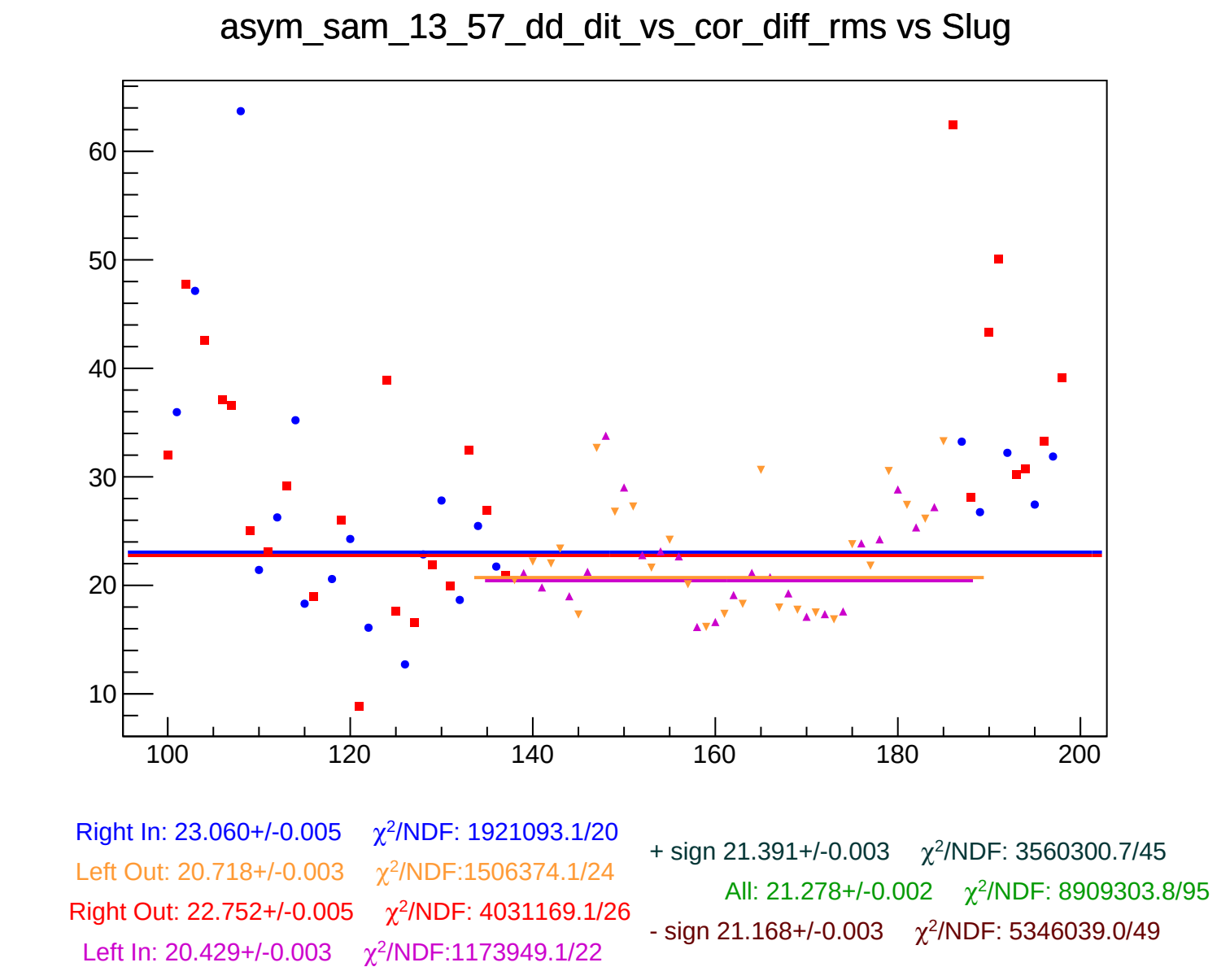
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/26

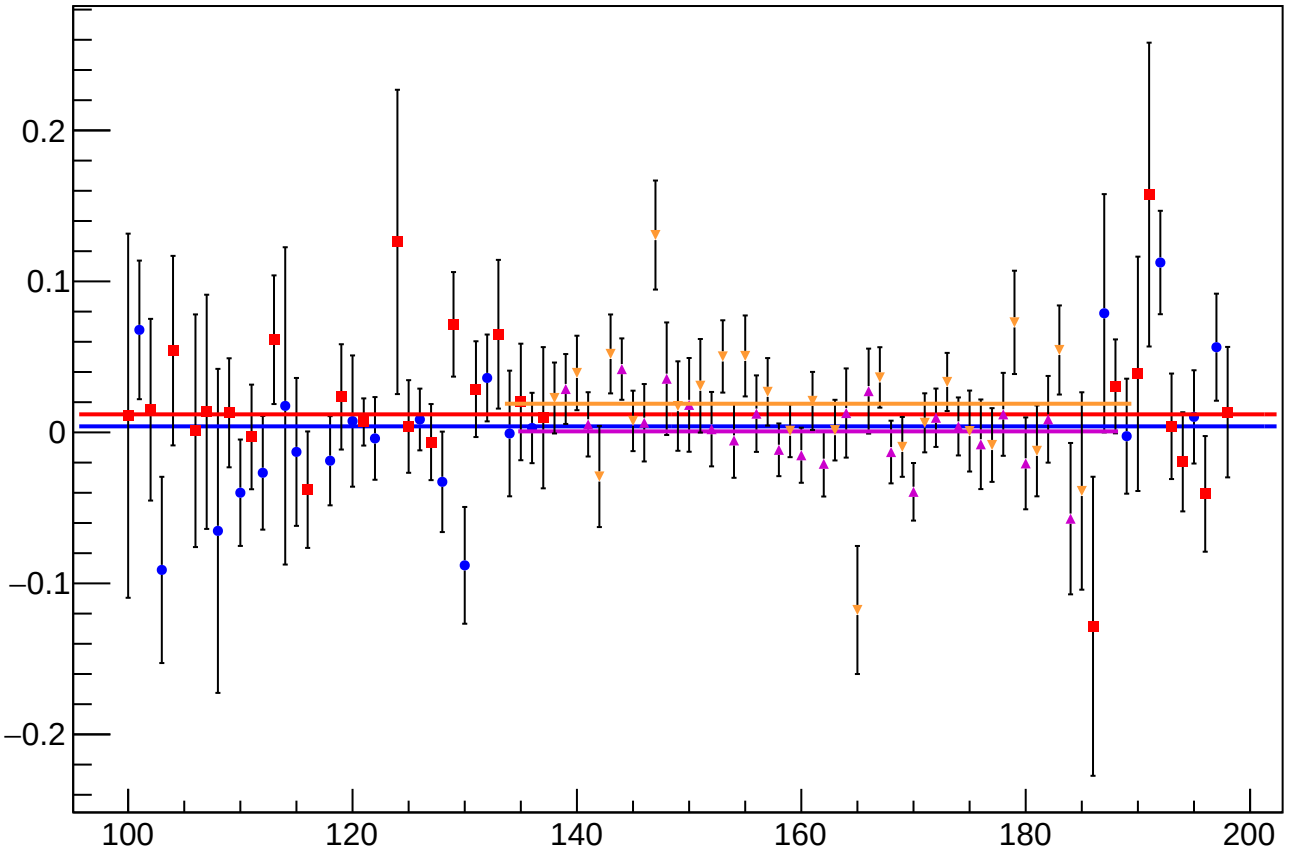
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.0/45

All: 0.009+/-0.003 χ^2/NDF: 113.3/95

- sign 0.004+/-0.004 χ^2/NDF: 37.0/49


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug
60
50
40
30
20
10
100
120
140
160
180
200
Right In: 23.060+/-0.005 χ²/NDF: 1921093.1/20
Left Out: 20.718+/-0.003 χ²/NDF:1506374.1/24
Right Out: 22.752+/-0.005 χ²/NDF: 4031169.1/26
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
+ sign 21.391+/-0.003 χ²/NDF: 3560300.7/45
All: 21.278+/-0.002 χ²/NDF: 8909303.8/95
- sign 21.168+/-0.003 χ²/NDF: 5346039.0/49



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

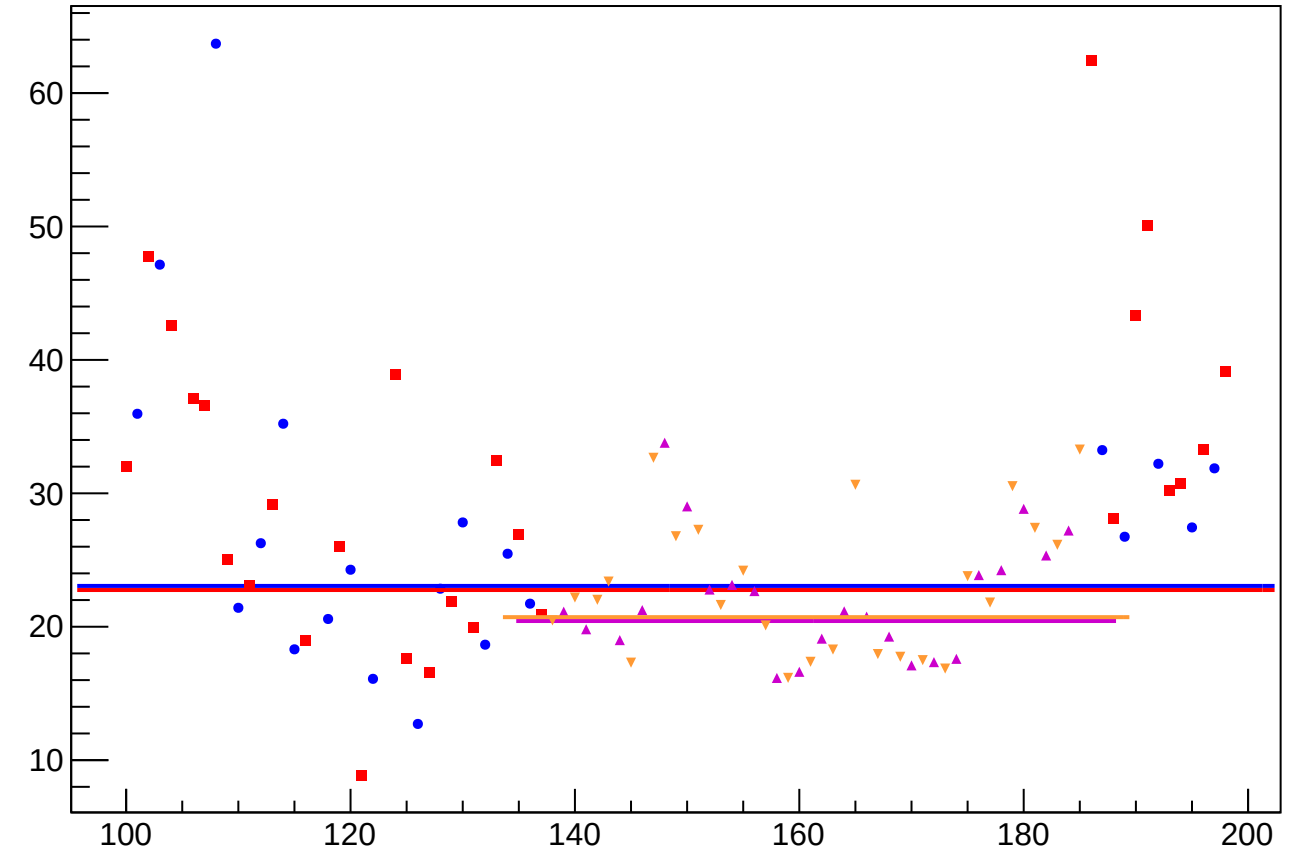
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.0/45

All: 0.009+/-0.003 χ^2/NDF: 113.3/95

- sign 0.004+/-0.004 χ^2/NDF: 37.0/49



Right In: 23.060+/-0.005 χ^2/NDF: 1921093.1/20

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

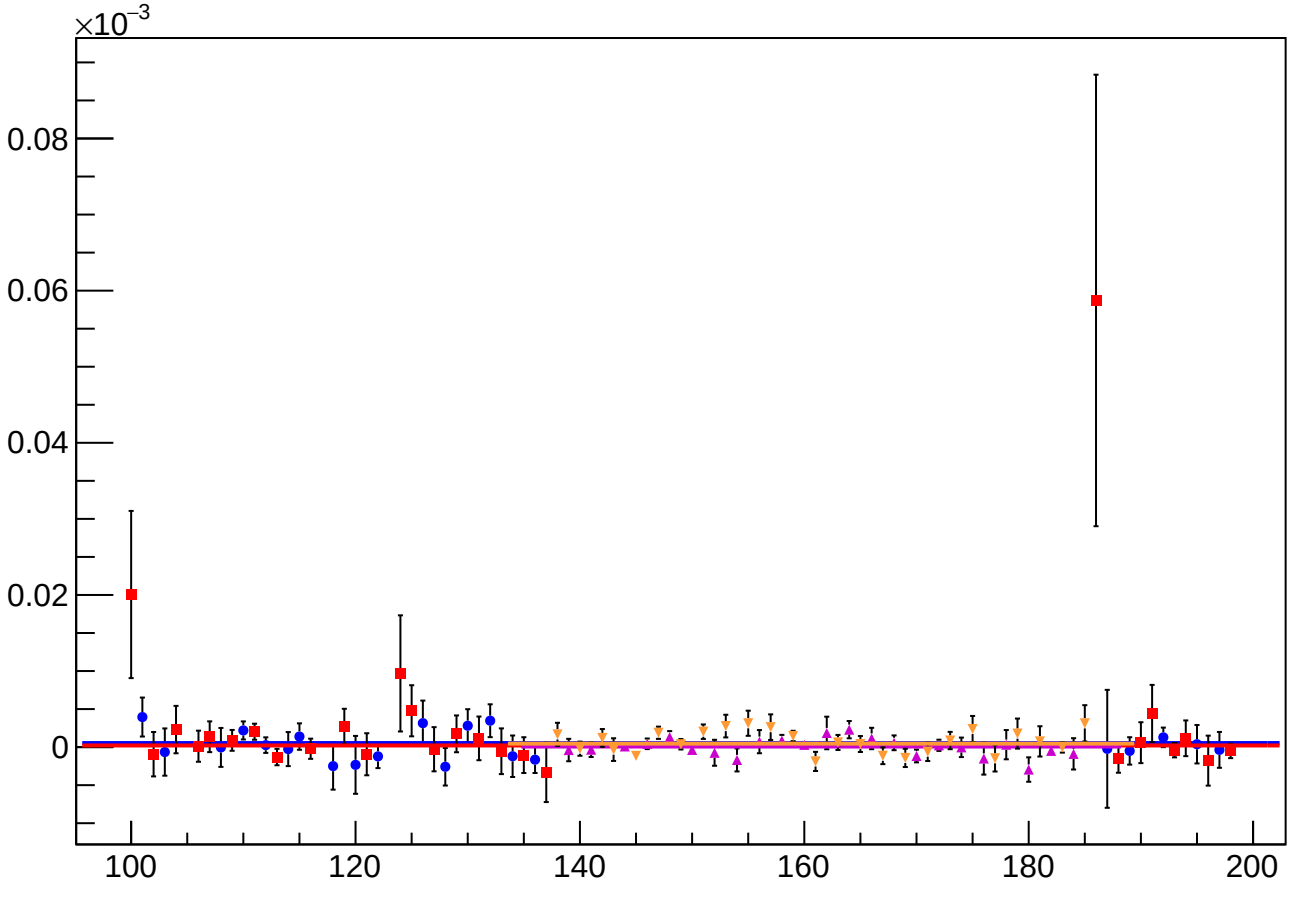
Right Out: 22.752+/-0.005 χ^2/NDF: 4031169.1/26

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.391+/-0.003 χ^2/NDF: 3560300.7/45

All: 21.278+/-0.002 χ^2/NDF: 8909303.8/95

- sign 21.168+/-0.003 χ^2/NDF: 5346039.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

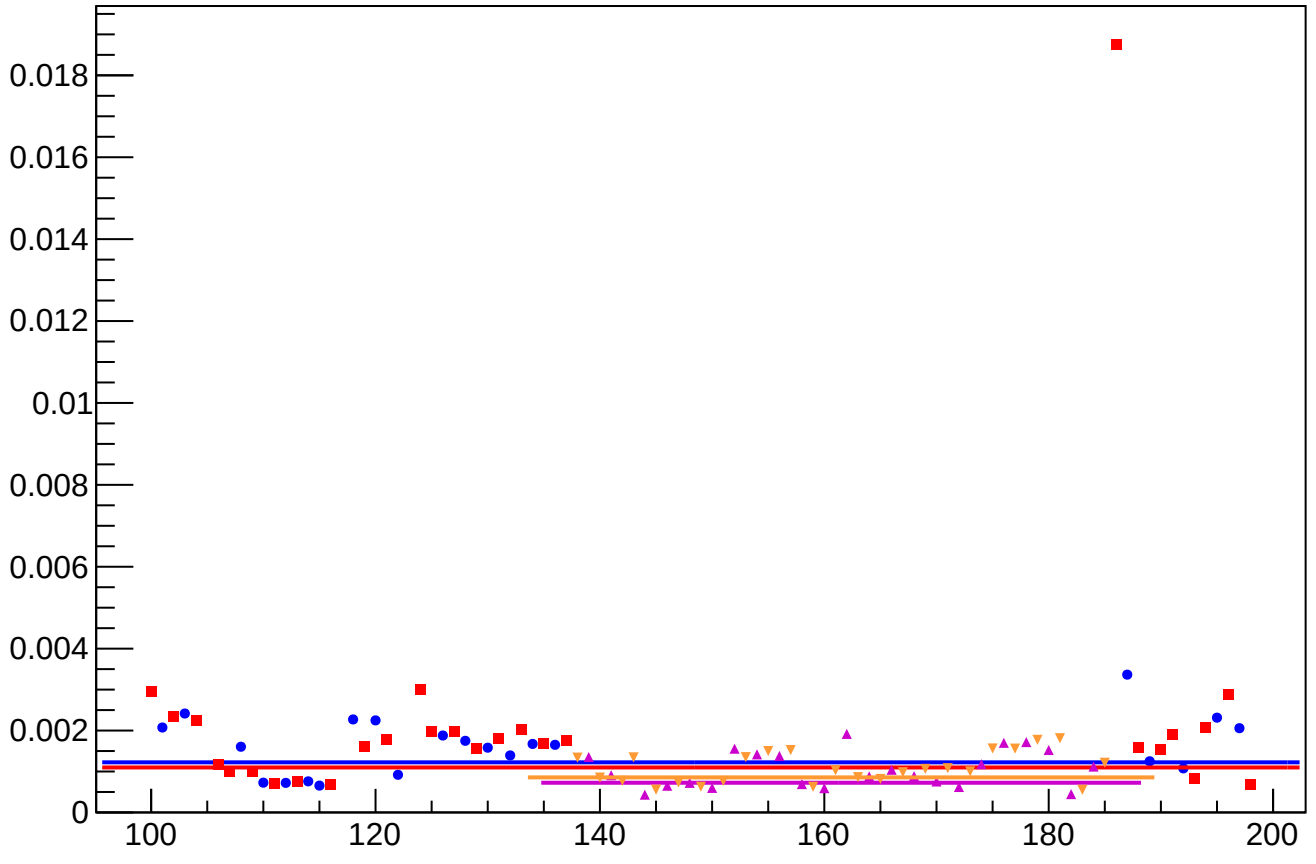
Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/26

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/45

All: 0.000+/-0.000 χ^2/NDF: 97.2/95

- sign 0.000+/-0.000 χ^2/NDF: 43.1/49



Right In: 0.001+/-0.000 χ^2/NDF: 3372057.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

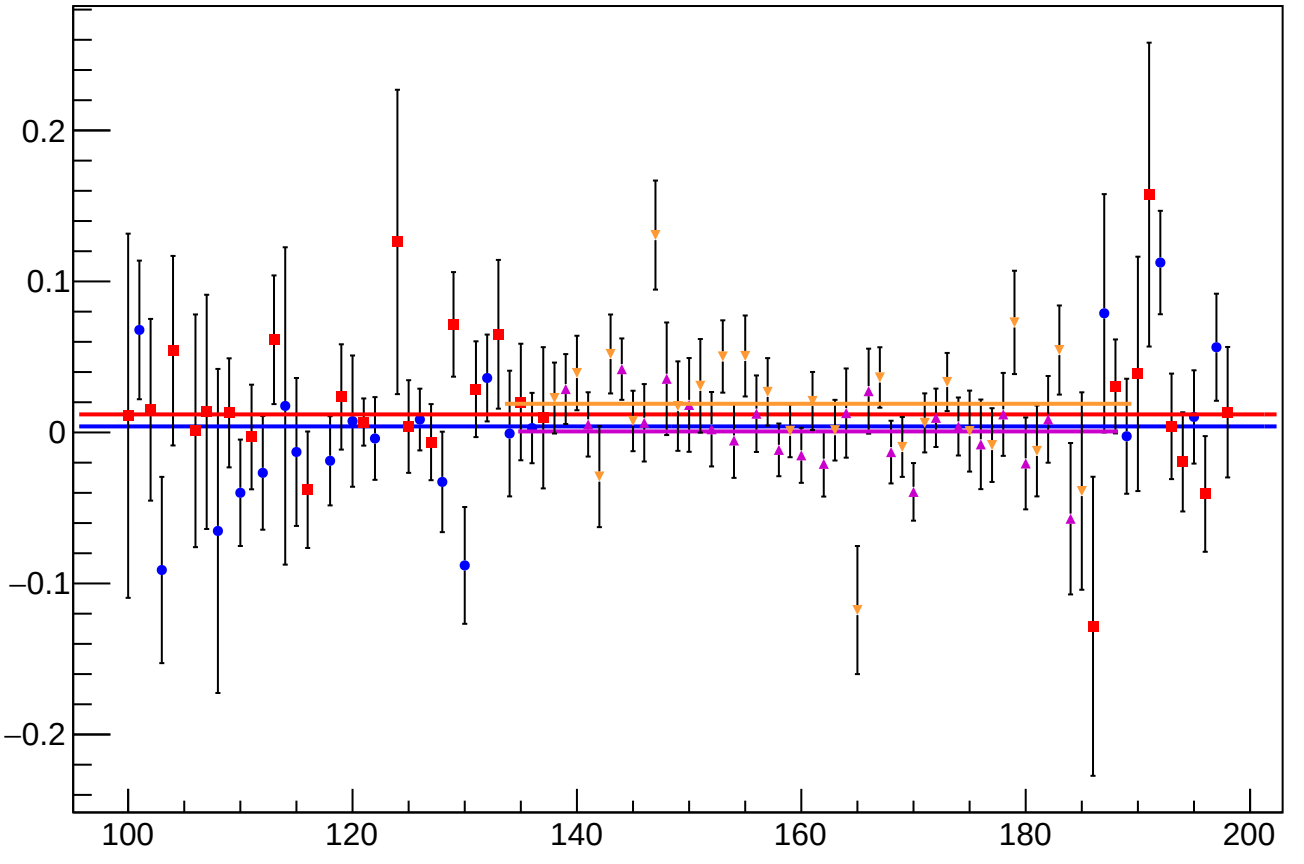
Right Out: 0.001+/-0.000 χ^2/NDF: 5090838.0/26

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 9026107.0/45

All: 0.001+/-0.000 χ^2/NDF: 22112989.2/95

- sign 0.001+/-0.000 χ^2/NDF: 12593505.2/49



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

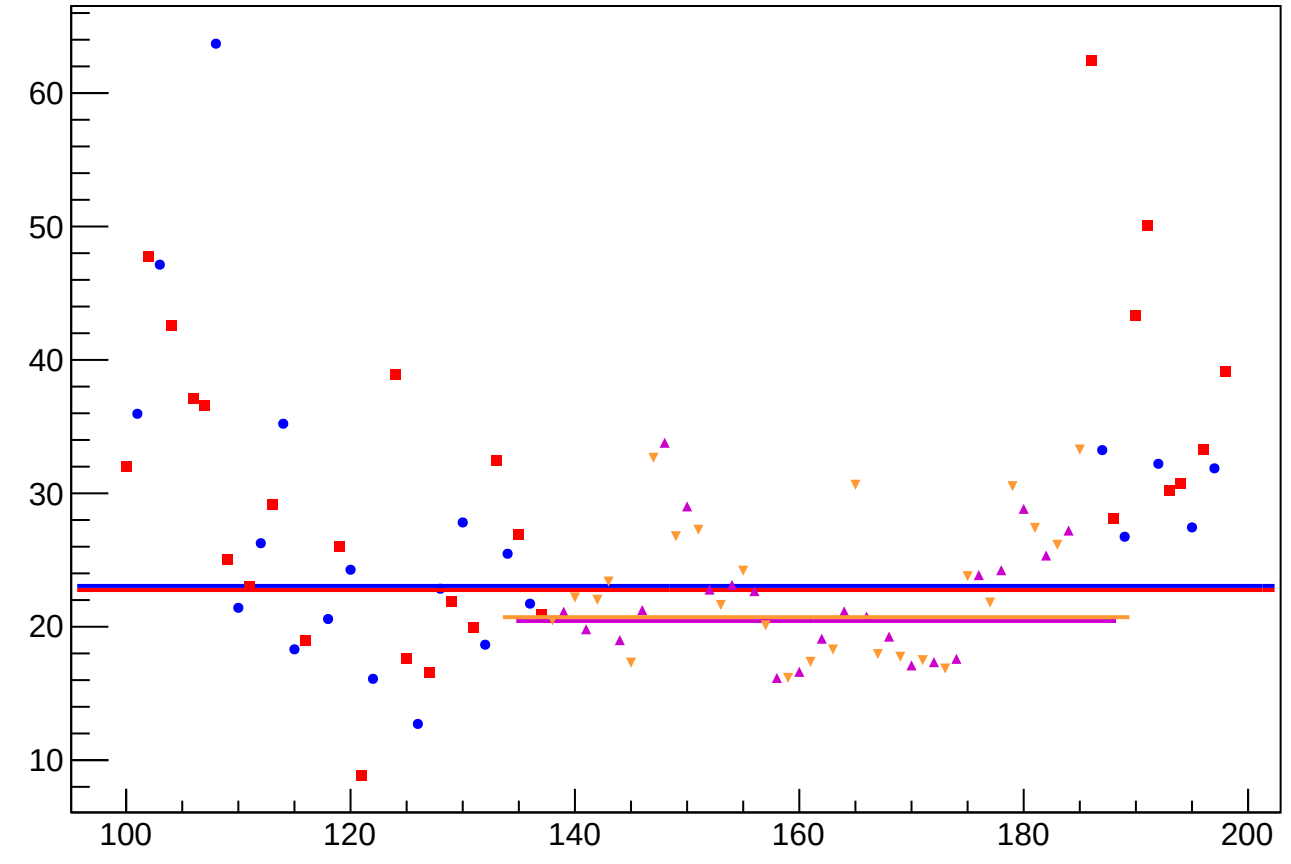
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.0/45

All: 0.009+/-0.003 χ^2/NDF: 113.3/95

- sign 0.004+/-0.004 χ^2/NDF: 37.0/49



Right In: 23.060+/-0.005 χ^2/NDF: 1920926.5/20

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

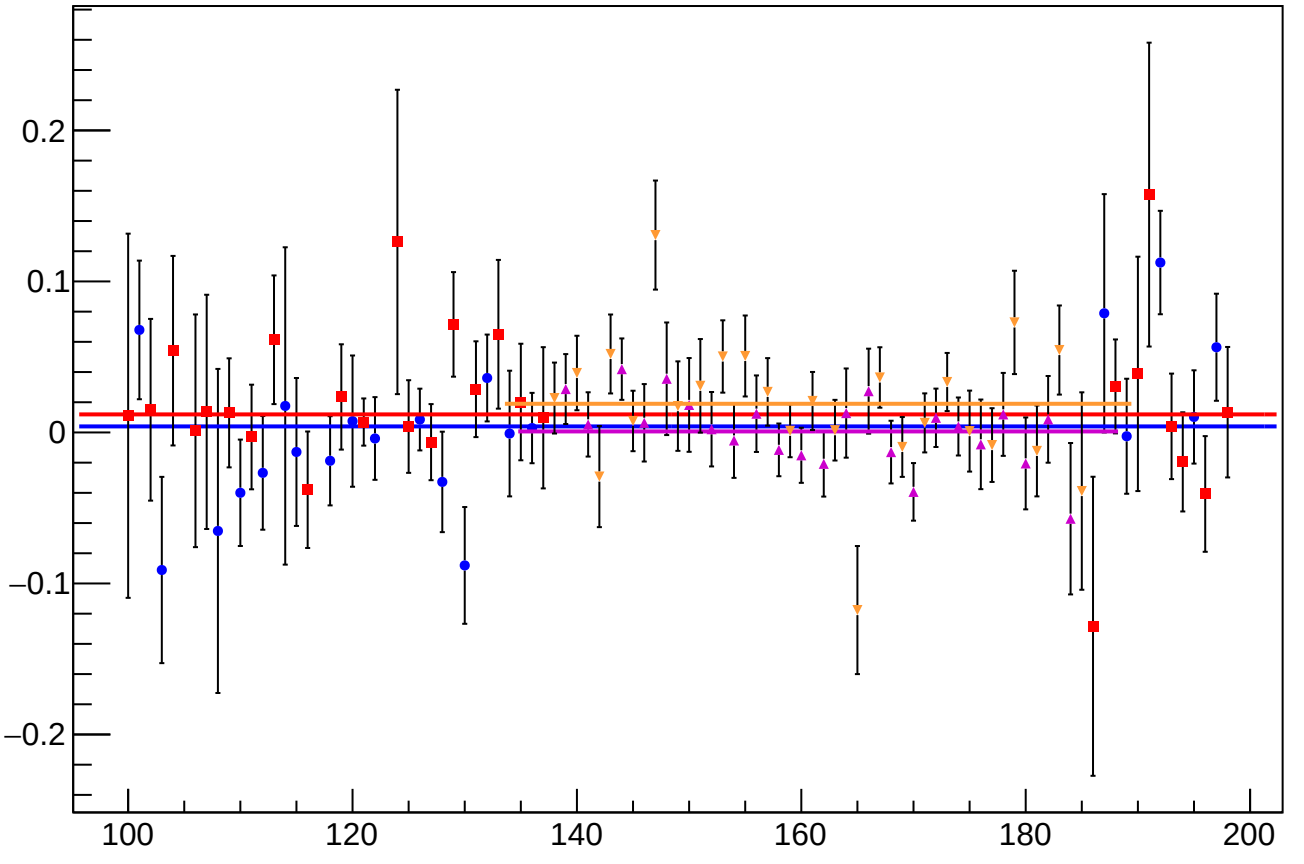
Right Out: 22.752+/-0.005 χ^2/NDF: 4030620.4/26

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.391+/-0.003 χ^2/NDF: 3560276.3/45

All: 21.278+/-0.002 χ^2/NDF: 8908838.0/95

- sign 21.168+/-0.003 χ^2/NDF: 5345601.8/49



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

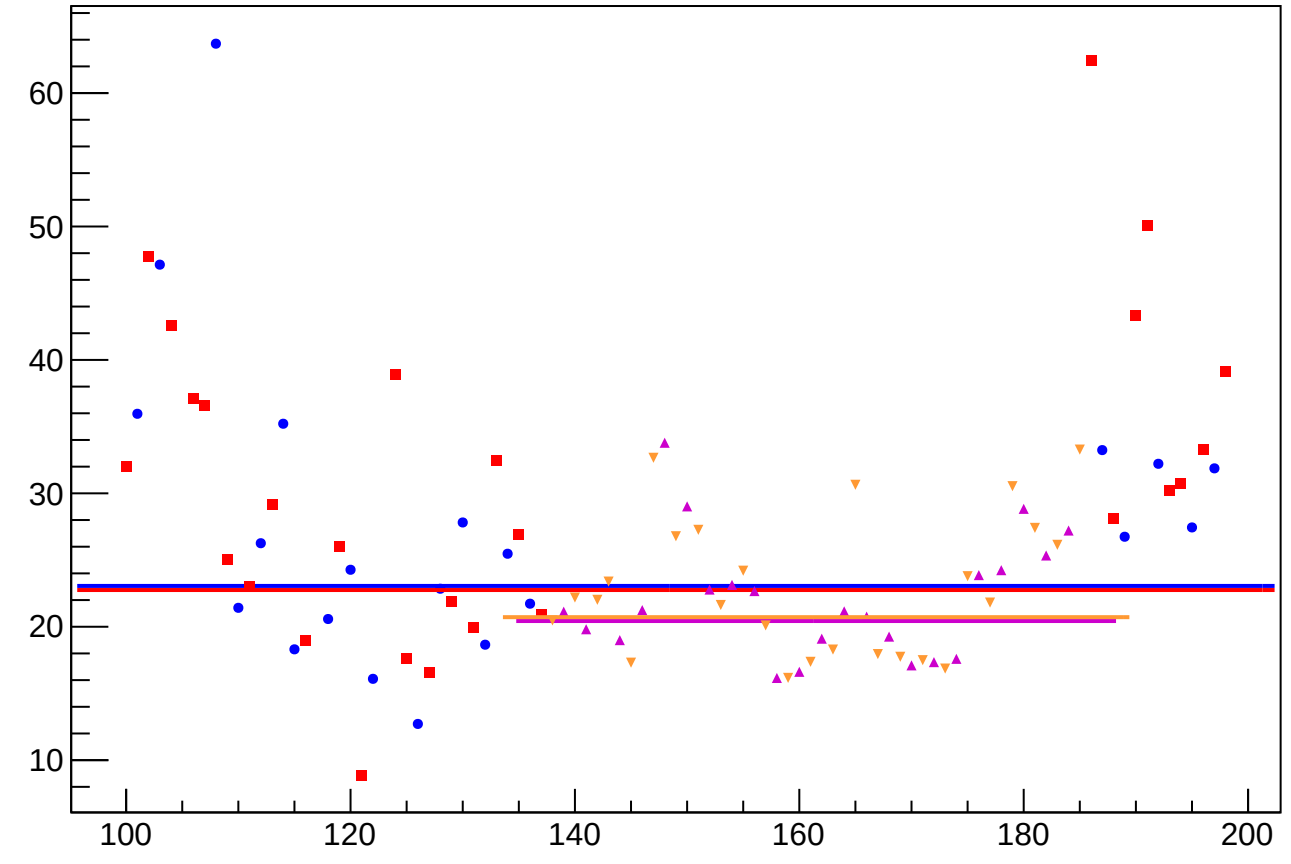
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.0/45

All: 0.009+/-0.003 χ^2/NDF: 113.3/95

- sign 0.004+/-0.004 χ^2/NDF: 37.0/49



Right In: 23.060+/-0.005 χ^2/NDF: 1920926.5/20

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

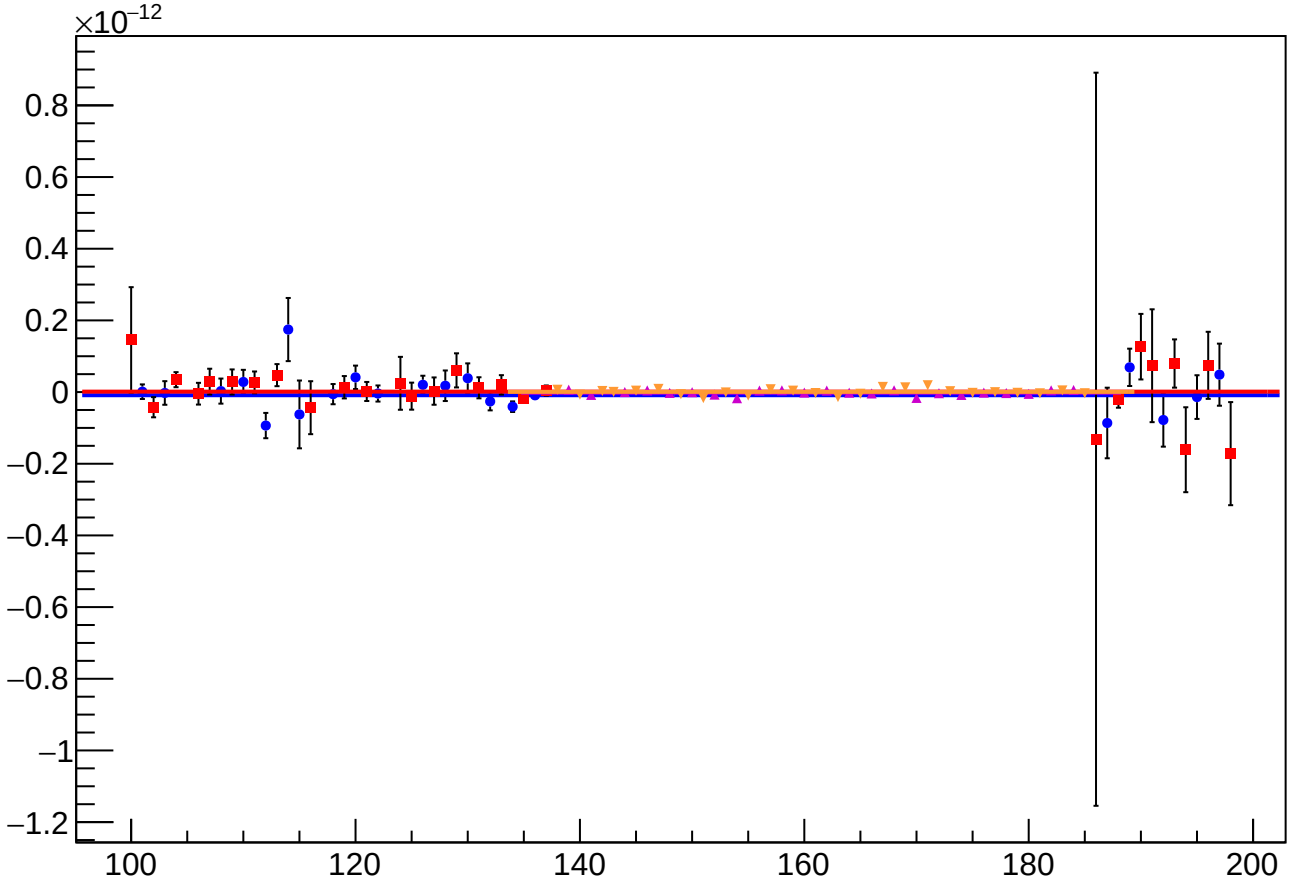
Right Out: 22.752+/-0.005 χ^2/NDF: 4030620.4/26

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.391+/-0.003 χ^2/NDF: 3560276.3/45

All: 21.278+/-0.002 χ^2/NDF: 8908838.0/95

- sign 21.168+/-0.003 χ^2/NDF: 5345601.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

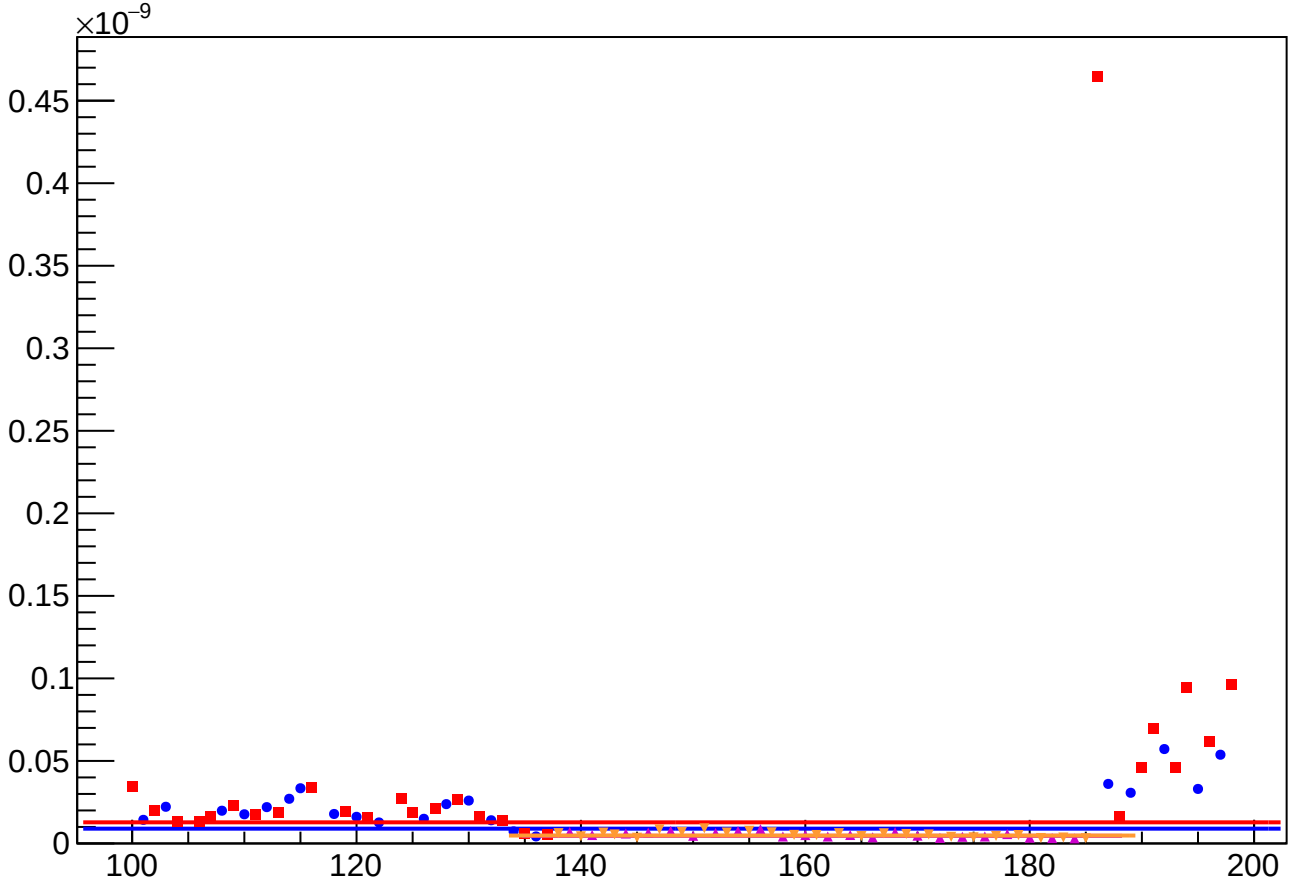
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/26

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.8/45

All: -0.000+/-0.000 χ^2/NDF: 106.5/95

- sign -0.000+/-0.000 χ^2/NDF: 46.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 5961273.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6325706.1/26

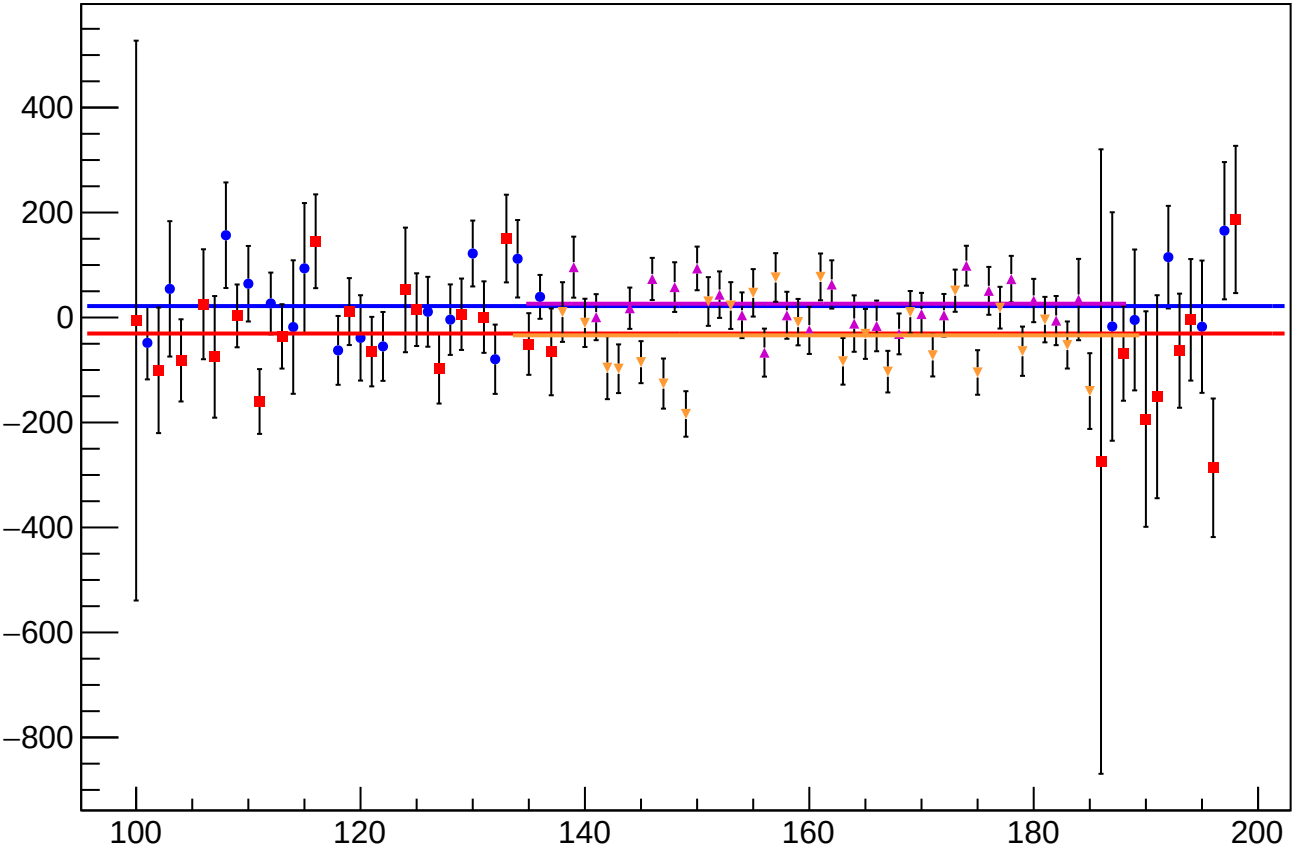
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9690618.7/45

All: 0.000+/-0.000 χ^2/NDF: 22162665.8/95

- sign 0.000+/-0.000 χ^2/NDF: 12469779.5/49

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 21.788+/-16.715 χ^2/NDF: 16.3/20

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.506+/-16.286 χ^2/NDF: 25.6/26

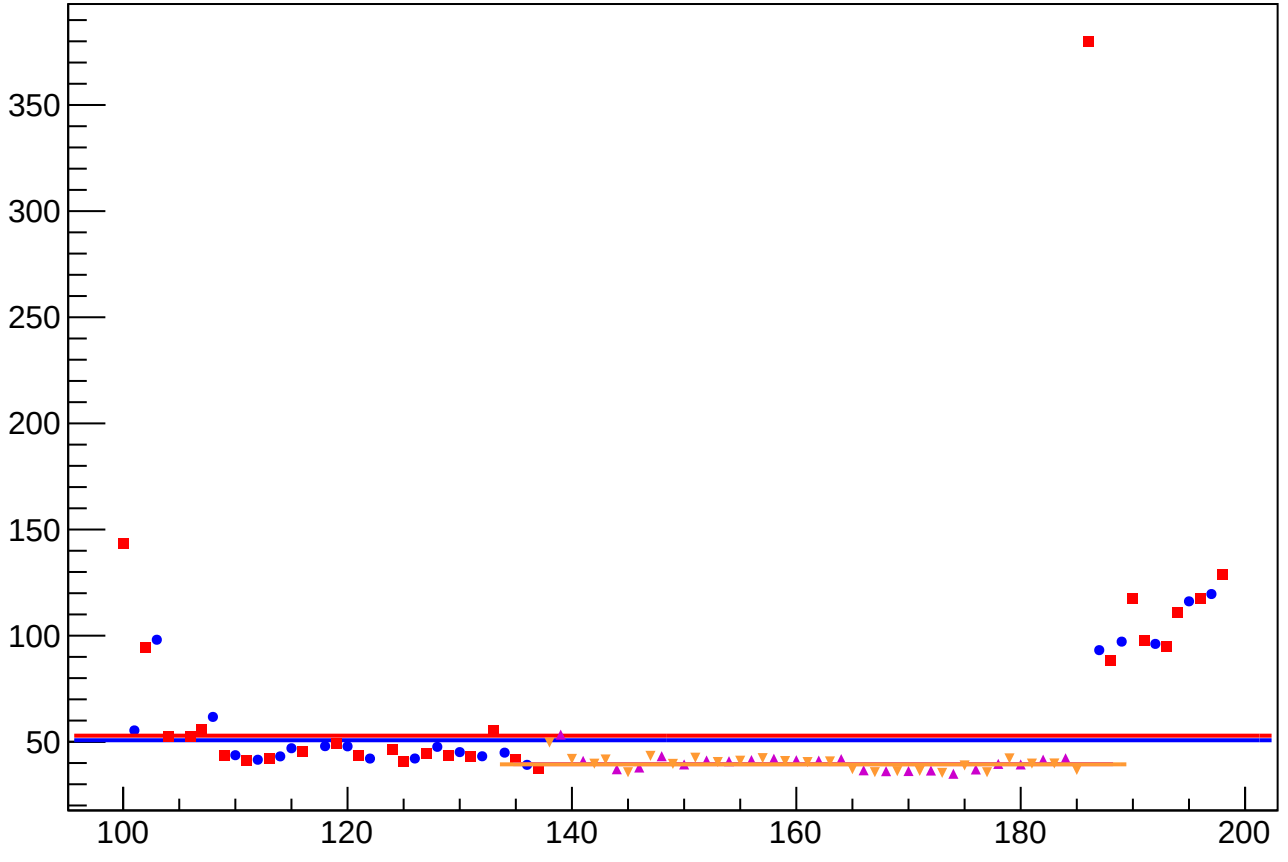
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.441+/-7.920 χ^2/NDF: 83.6/45

All: -4.826+/-5.648 χ^2/NDF: 149.8/95

- sign 12.370+/-8.057 χ^2/NDF: 57.2/49

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 50.726+/-0.012 χ^2/NDF: 2507415.9/20

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 52.888+/-0.012 χ^2/NDF: 3949857.2/26

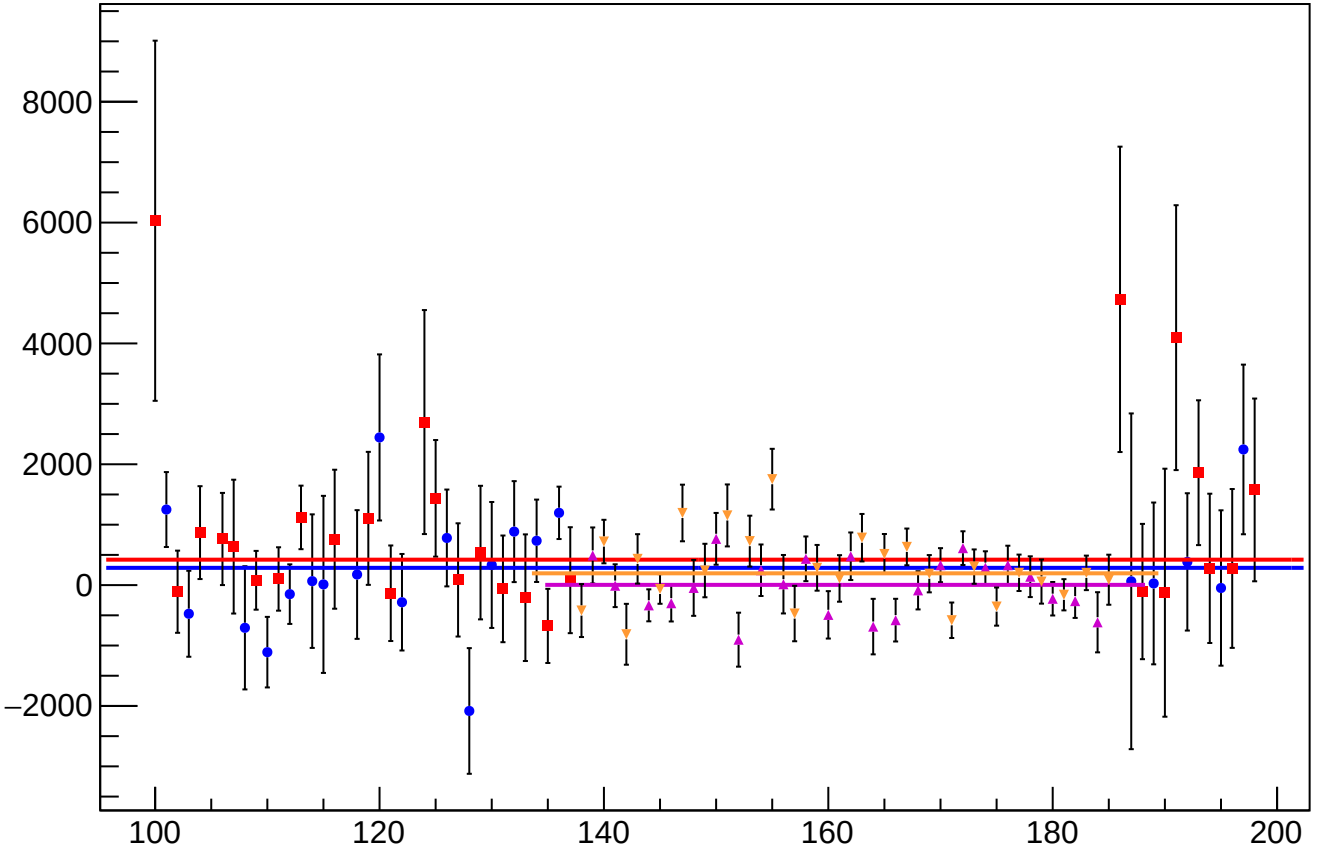
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.929+/-0.006 χ^2/NDF: 3450613.6/45

All: 42.343+/-0.004 χ^2/NDF: 8685520.1/95

- sign 42.770+/-0.006 χ^2/NDF: 5223830.8/49

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 285.812+/-177.539 χ^2/NDF: 27.1/20

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 421.078+/-170.502 χ^2/NDF: 23.1/26

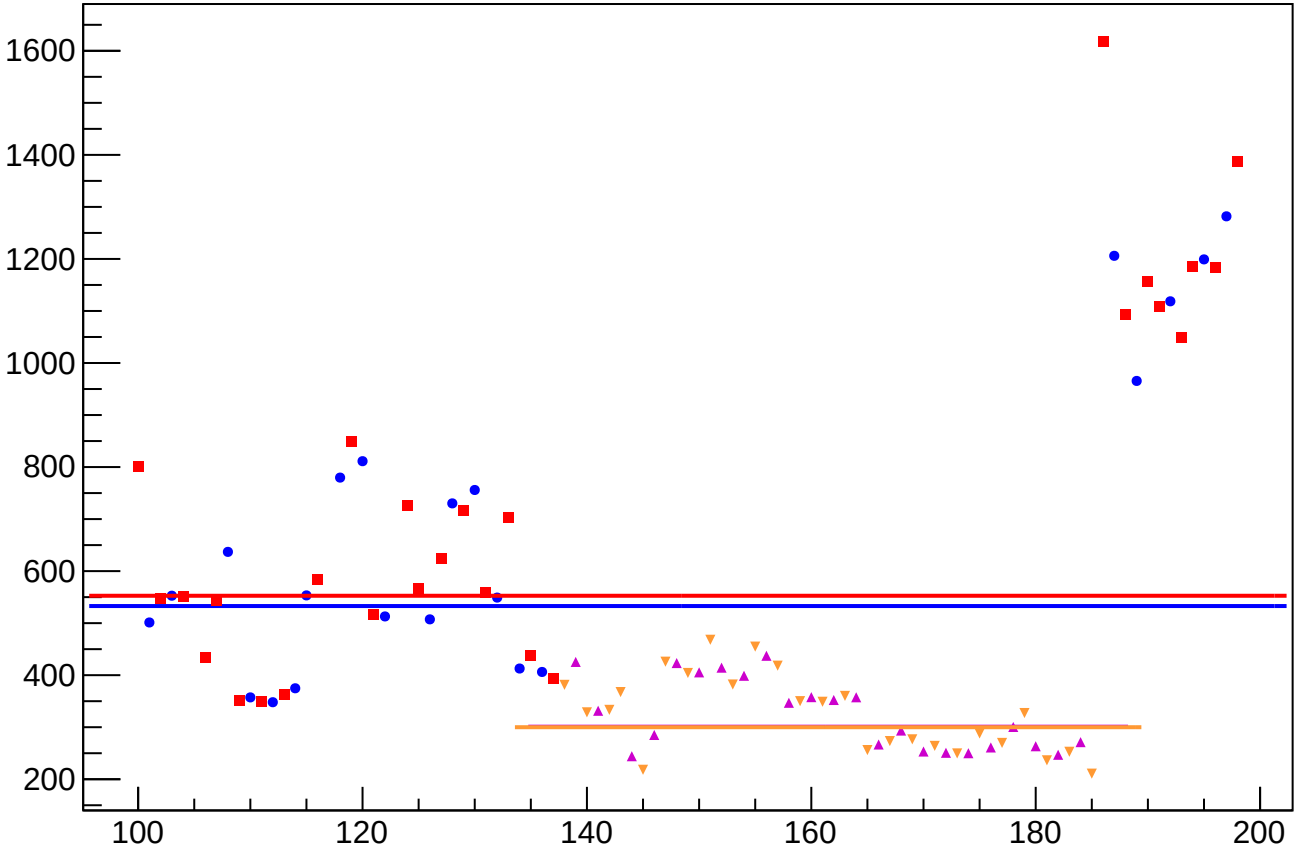
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 207.271+/-65.196 χ^2/NDF: 75.9/45

All: 138.379+/-46.491 χ^2/NDF: 138.7/95

- sign 67.103+/-66.314 χ^2/NDF: 60.6/49

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 532.869+/-0.126 χ^2/NDF: 3084789.9/20

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 552.634+/-0.121 χ^2/NDF: 4428358.8/26

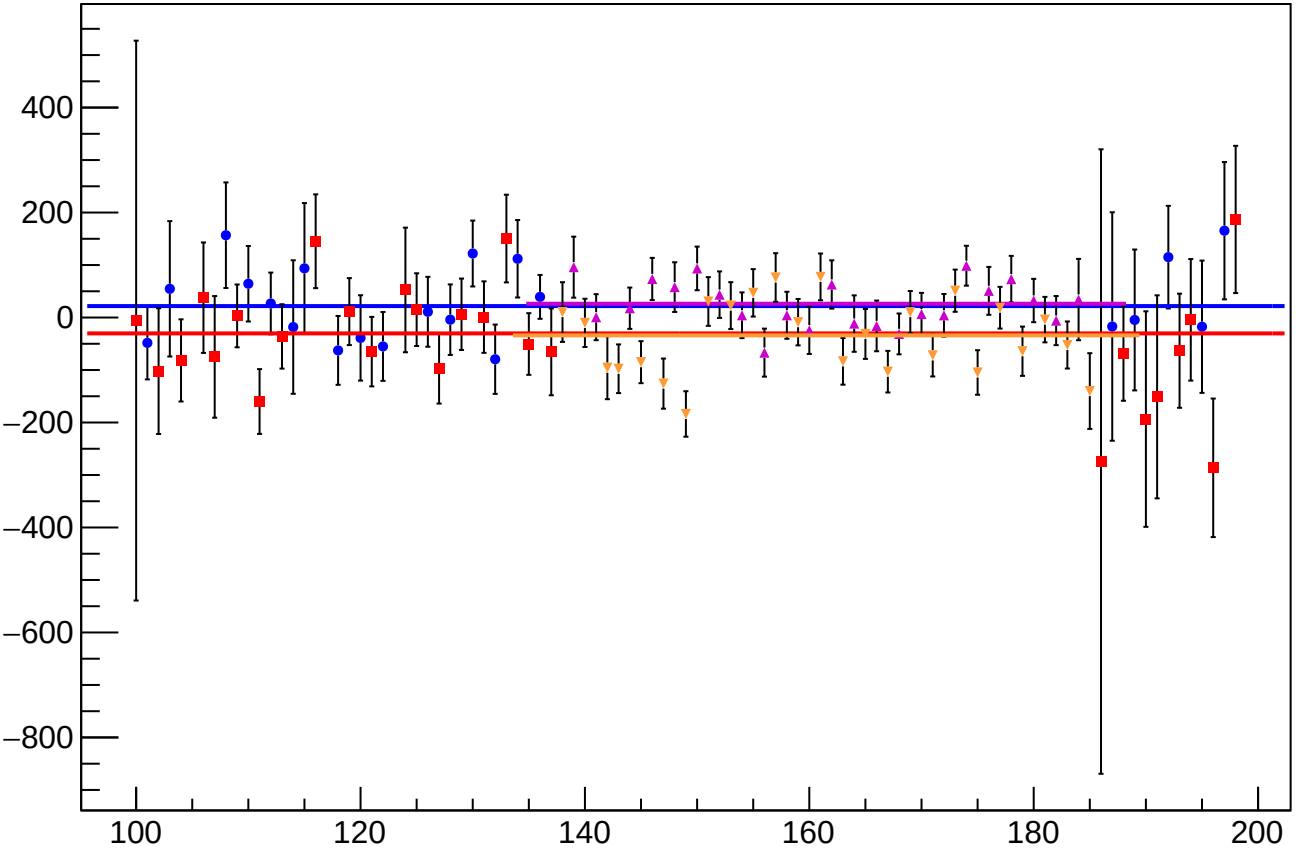
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 331.382+/-0.046 χ^2/NDF: 7870724.2/45

All: 335.158+/-0.033 χ^2/NDF: 17417212.8/95

- sign 339.064+/-0.047 χ^2/NDF: 9532841.4/49

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 21.793+/-16.715 χ^2/NDF: 16.3/20

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.249+/-16.288 χ^2/NDF: 25.7/26

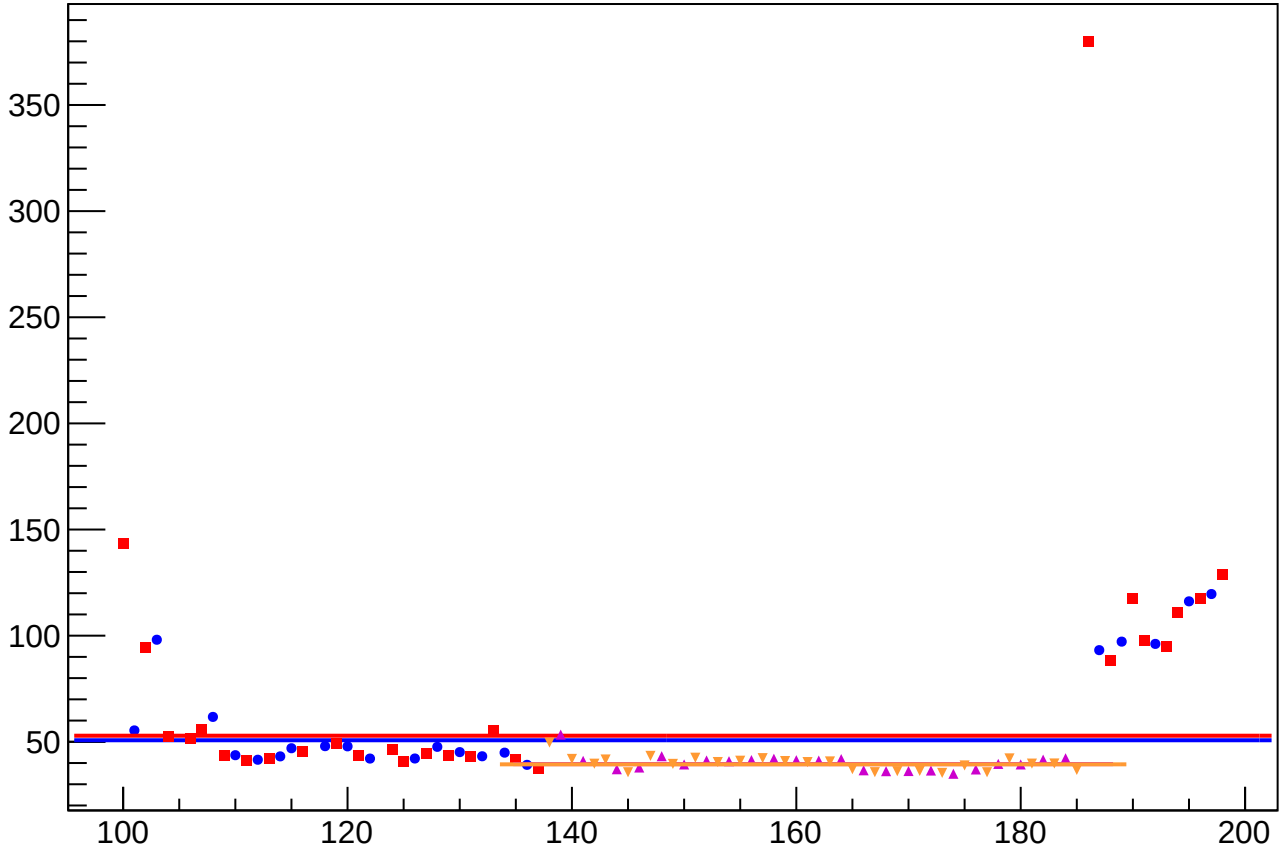
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.439+/-7.920 χ^2/NDF: 83.6/45

All: -4.794+/-5.648 χ^2/NDF: 149.9/95

- sign 12.436+/-8.058 χ^2/NDF: 57.3/49

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 50.726+/-0.012 χ^2/NDF: 2507418.9/20

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

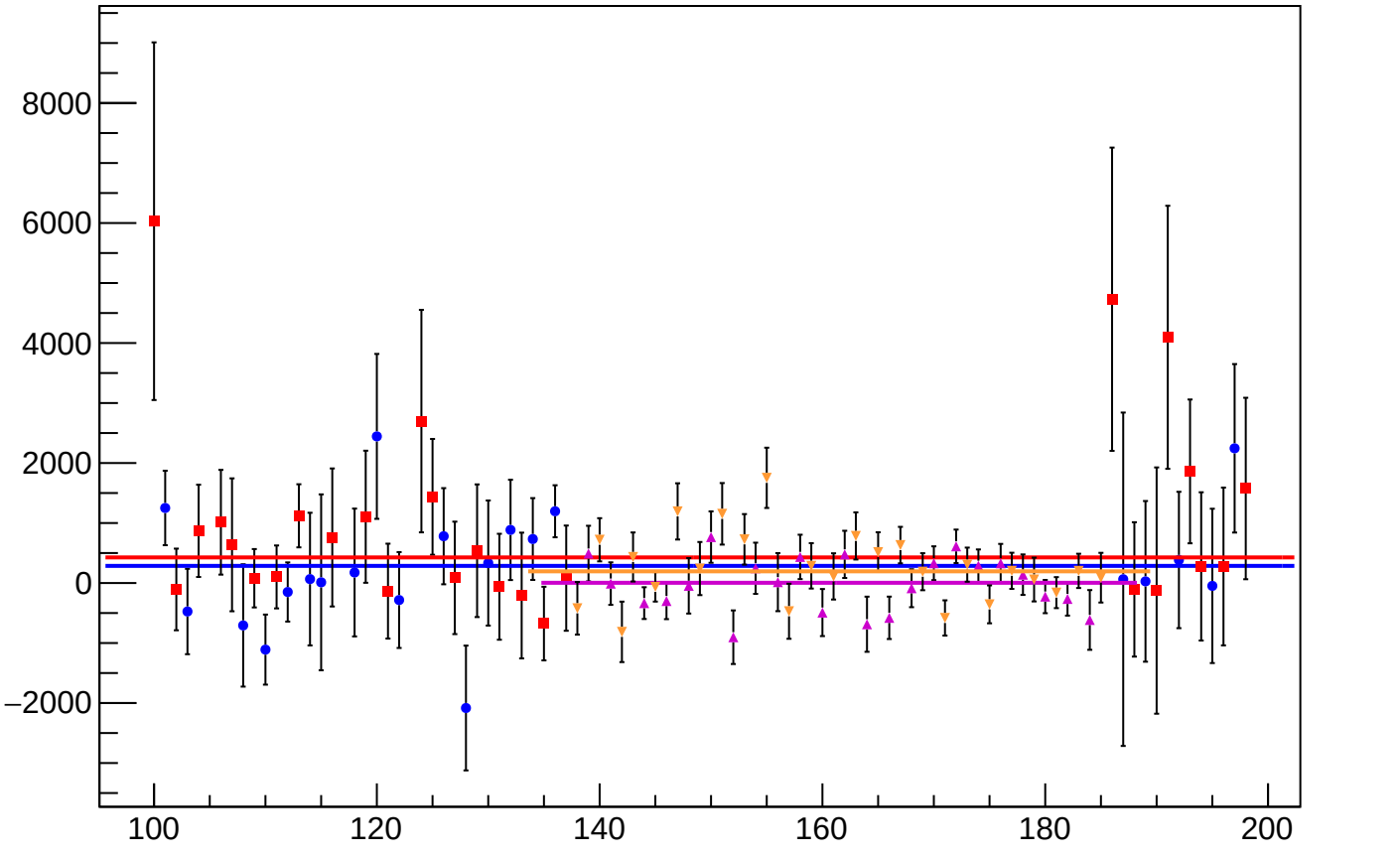
Right Out: 52.869+/-0.012 χ^2/NDF: 3950321.2/26

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.929+/-0.006 χ^2/NDF: 3450616.5/45

All: 42.340+/-0.004 χ^2/NDF: 8682705.6/95

- sign 42.765+/-0.006 χ^2/NDF: 5221153.5/49



Right In: 285.817+/-177.540 χ^2/NDF: 27.1/20

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 426.861+/-171.526 χ^2/NDF: 23.4/26

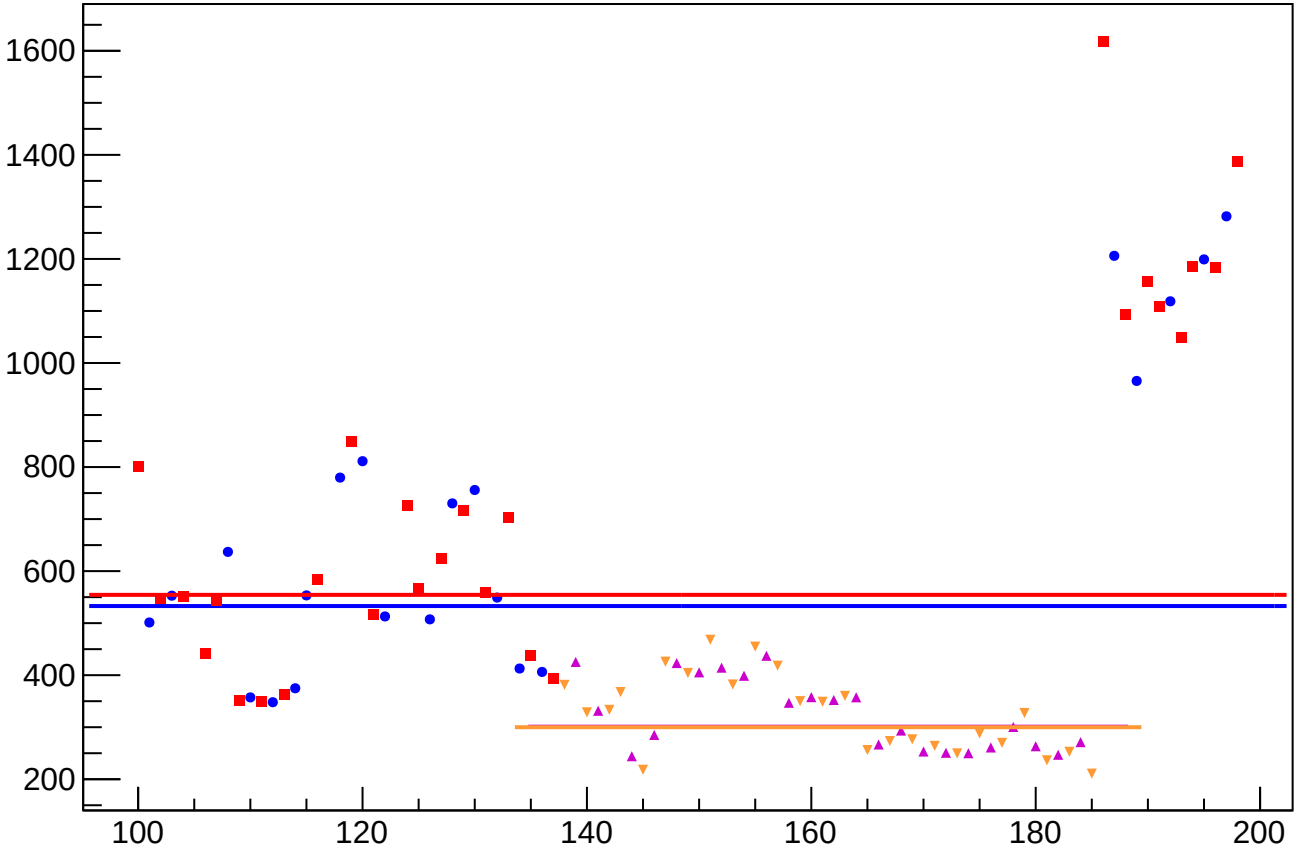
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 207.271+/-65.196 χ^2/NDF: 75.9/45

All: 138.553+/-46.511 χ^2/NDF: 139.1/95

- sign 67.330+/-66.373 χ^2/NDF: 60.9/49

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 532.872+/-0.126 χ^2/NDF: 3084802.4/20

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 554.359+/-0.121 χ^2/NDF: 4412322.1/26

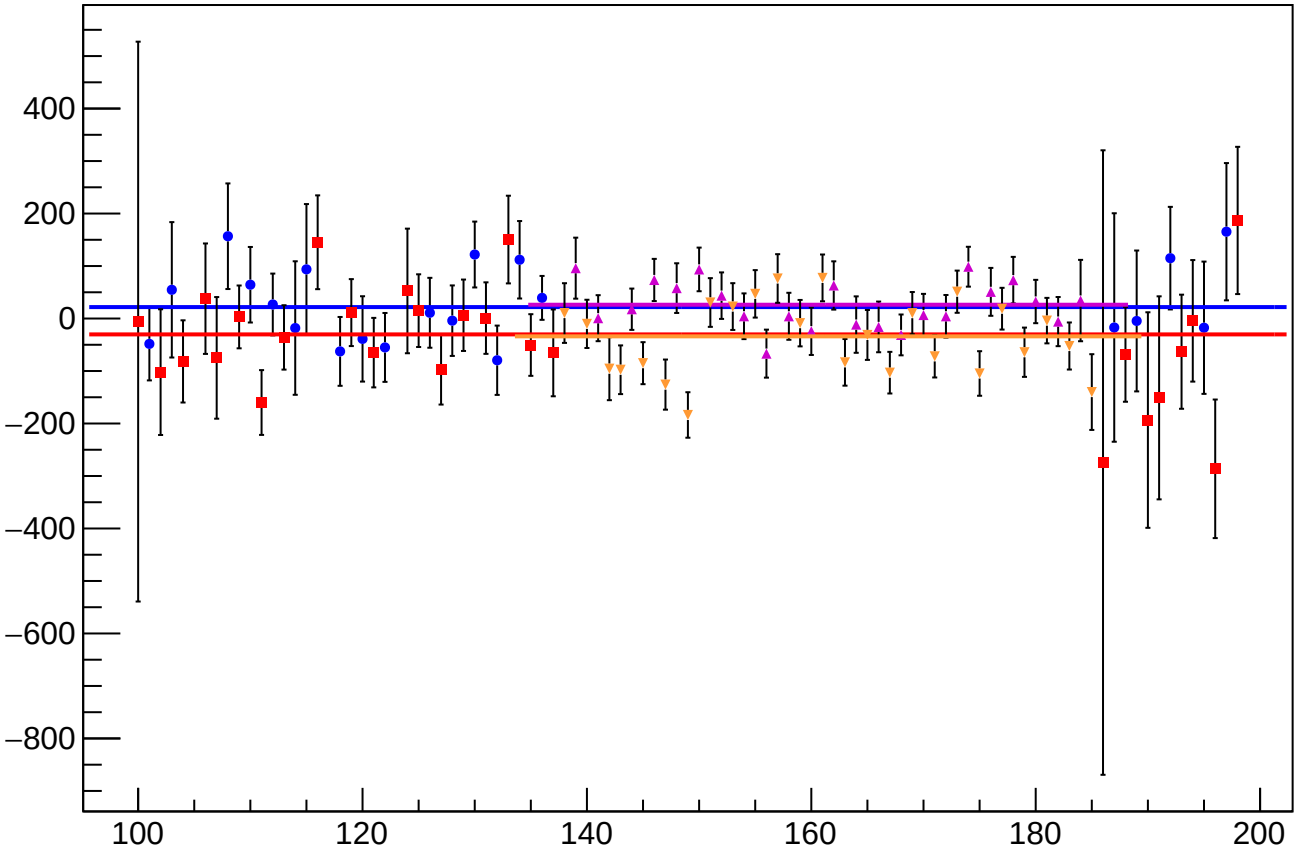
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 331.382+/-0.046 χ^2/NDF: 7870766.5/45

All: 335.092+/-0.033 χ^2/NDF: 17413673.8/95

- sign 338.937+/-0.047 χ^2/NDF: 9529721.2/49

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 21.793+/-16.715 χ^2/NDF: 16.3/20

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.249+/-16.288 χ^2/NDF: 25.7/26

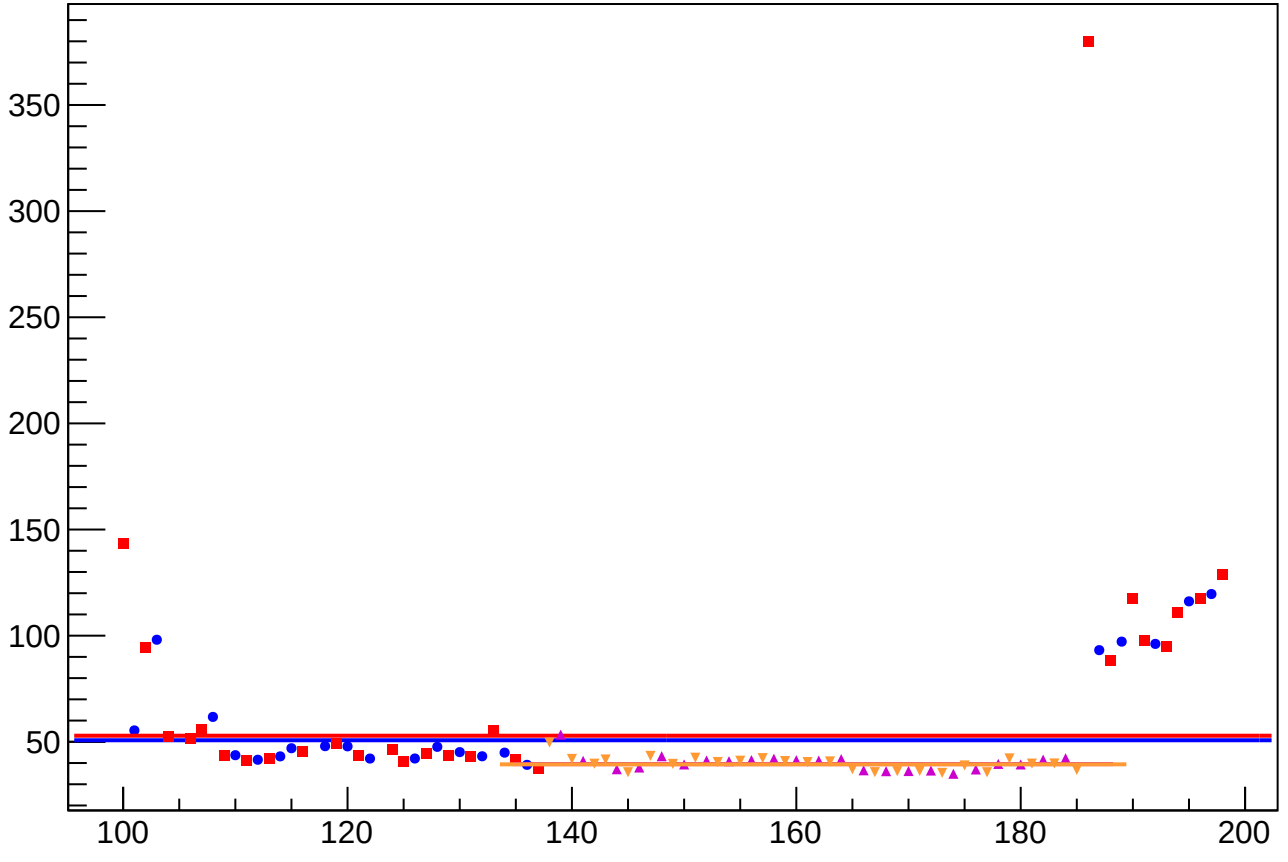
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.439+/-7.920 χ^2/NDF: 83.6/45

All: -4.794+/-5.648 χ^2/NDF: 149.9/95

- sign 12.436+/-8.058 χ^2/NDF: 57.3/49

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 50.726+/-0.012 χ^2/NDF: 2507418.9/20

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

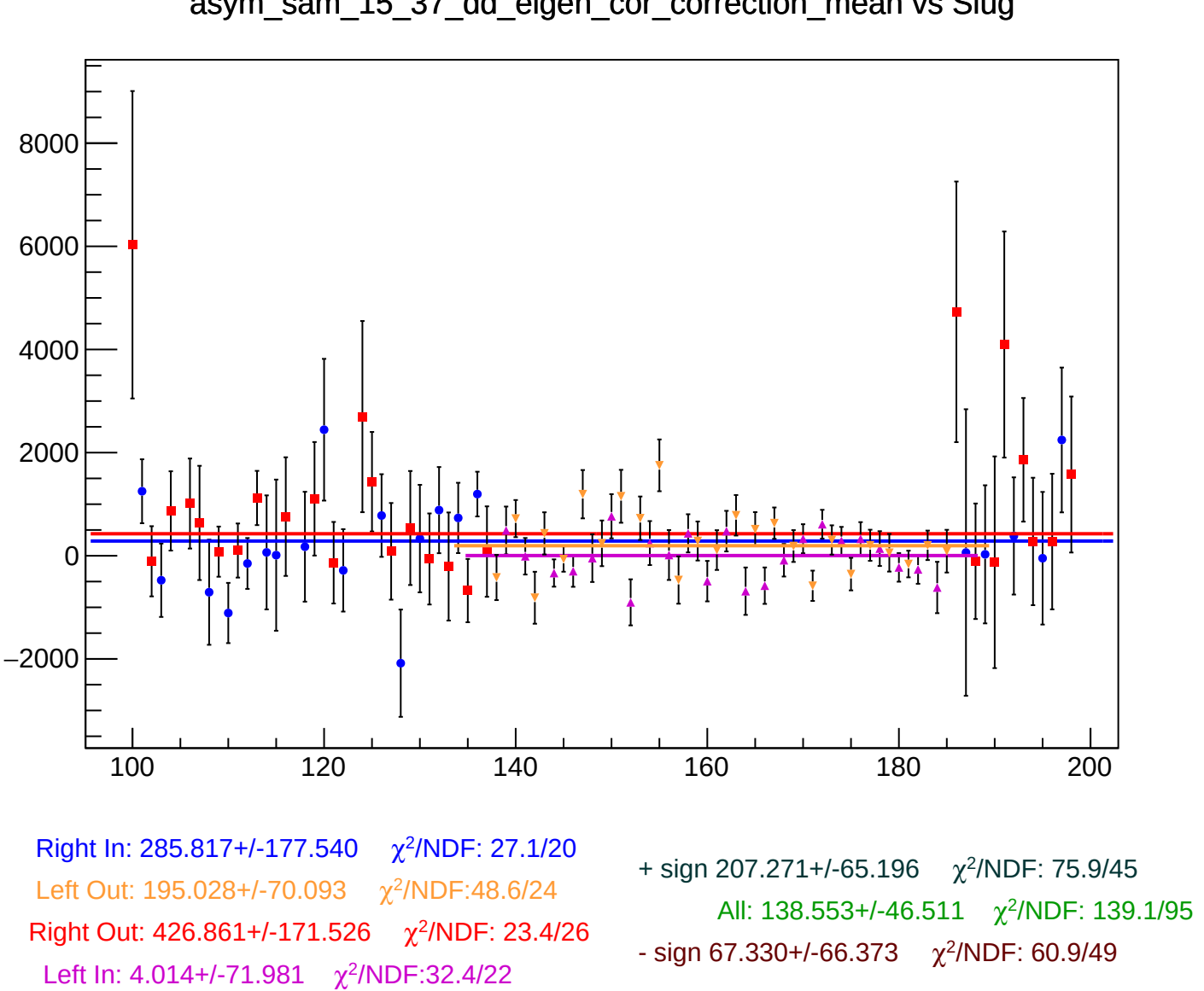
Right Out: 52.869+/-0.012 χ^2/NDF: 3950321.2/26

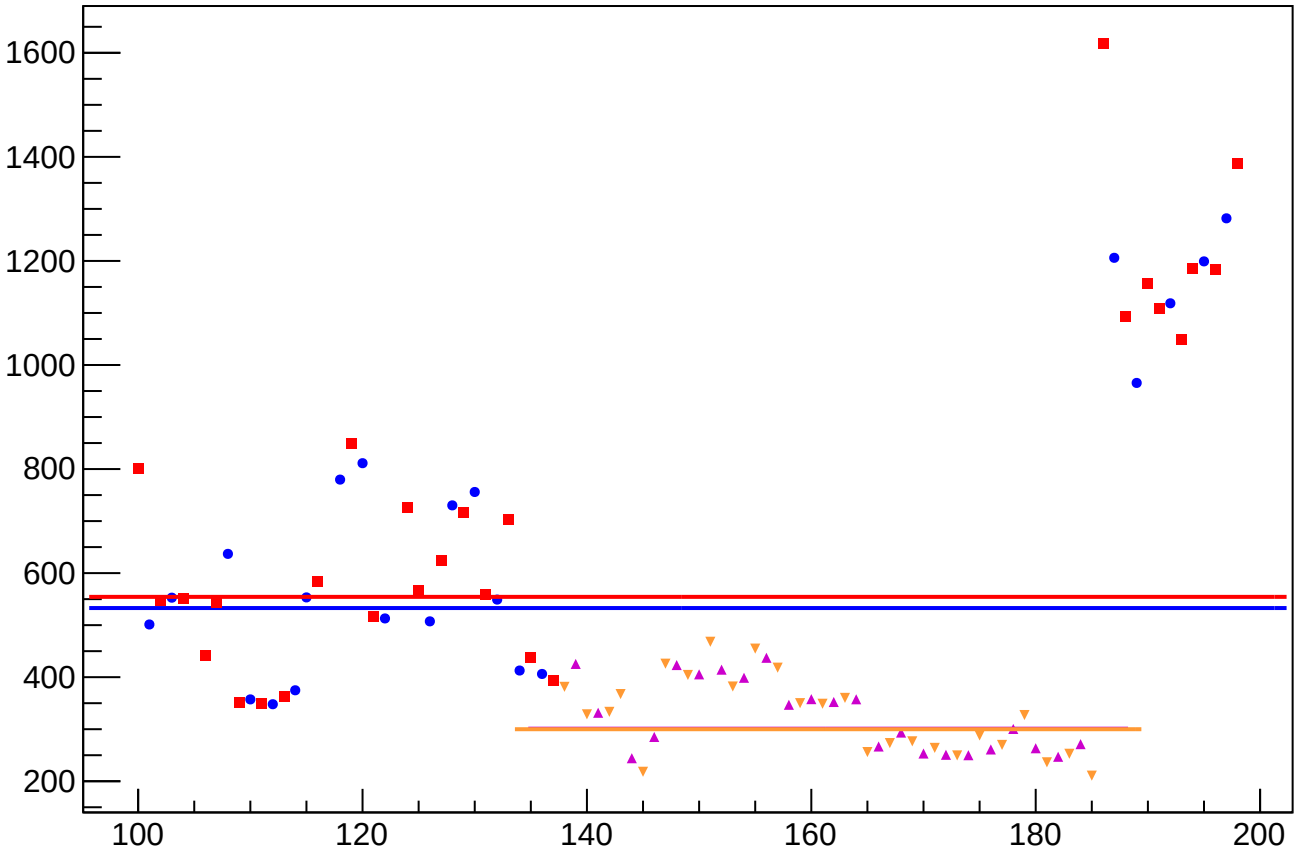
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.929+/-0.006 χ^2/NDF: 3450616.5/45

All: 42.340+/-0.004 χ^2/NDF: 8682705.6/95

- sign 42.765+/-0.006 χ^2/NDF: 5221153.5/49


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: 285.817+/-177.540 χ²/NDF: 27.1/20
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 426.861+/-171.526 χ²/NDF: 23.4/26
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 207.271+/-65.196 χ²/NDF: 75.9/45
All: 138.553+/-46.511 χ²/NDF: 139.1/95
- sign 67.330+/-66.373 χ²/NDF: 60.9/49



Right In: 532.872+/-0.126 χ^2/NDF: 3084802.4/20

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 554.359+/-0.121 χ^2/NDF: 4412322.1/26

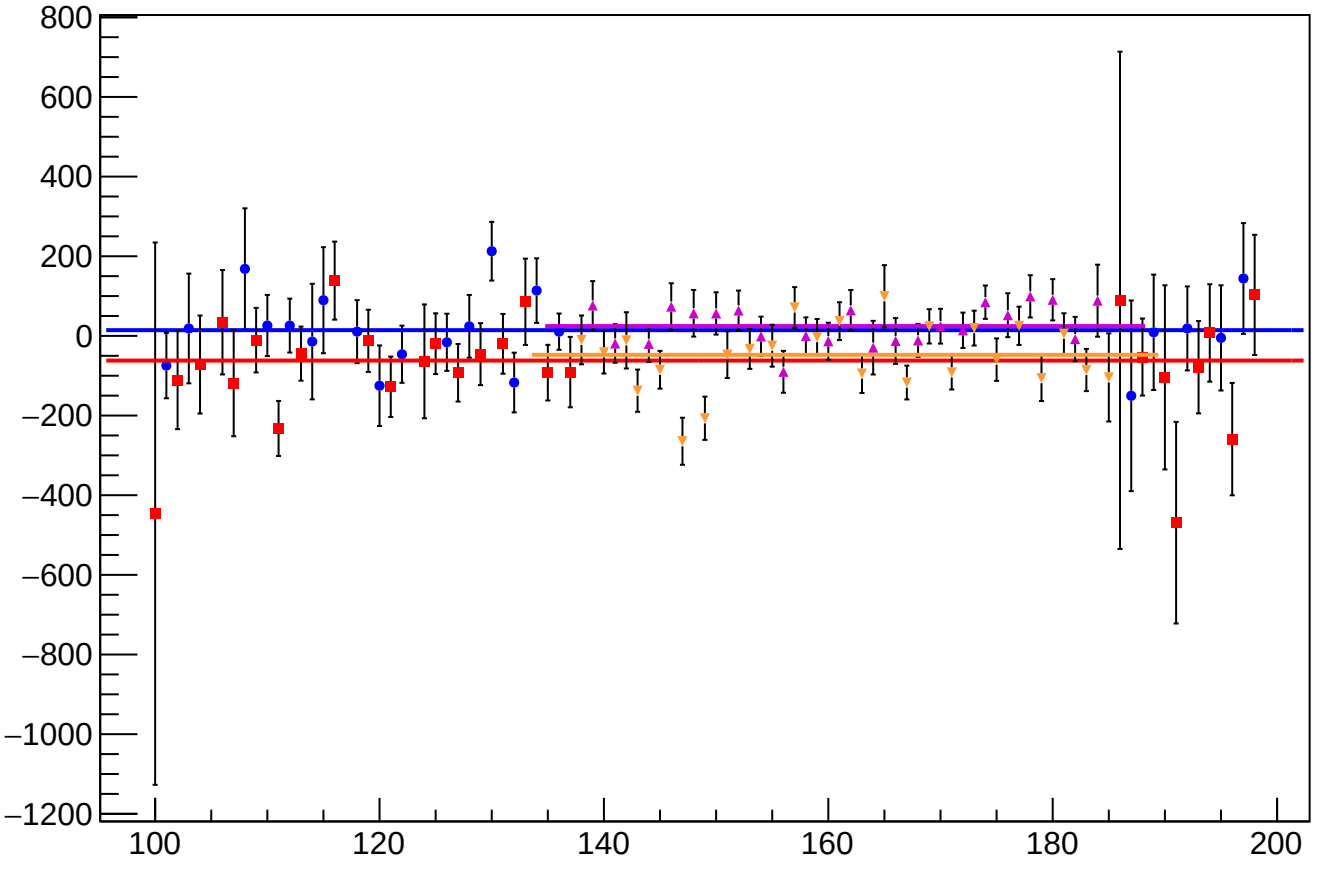
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 331.382+/-0.046 χ^2/NDF: 7870766.5/45

All: 335.092+/-0.033 χ^2/NDF: 17413673.8/95

- sign 338.937+/-0.047 χ^2/NDF: 9529721.2/49

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 14.392+/-18.891 χ^2/NDF: 18.6/20

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -61.894+/-18.825 χ^2/NDF: 22.3/26

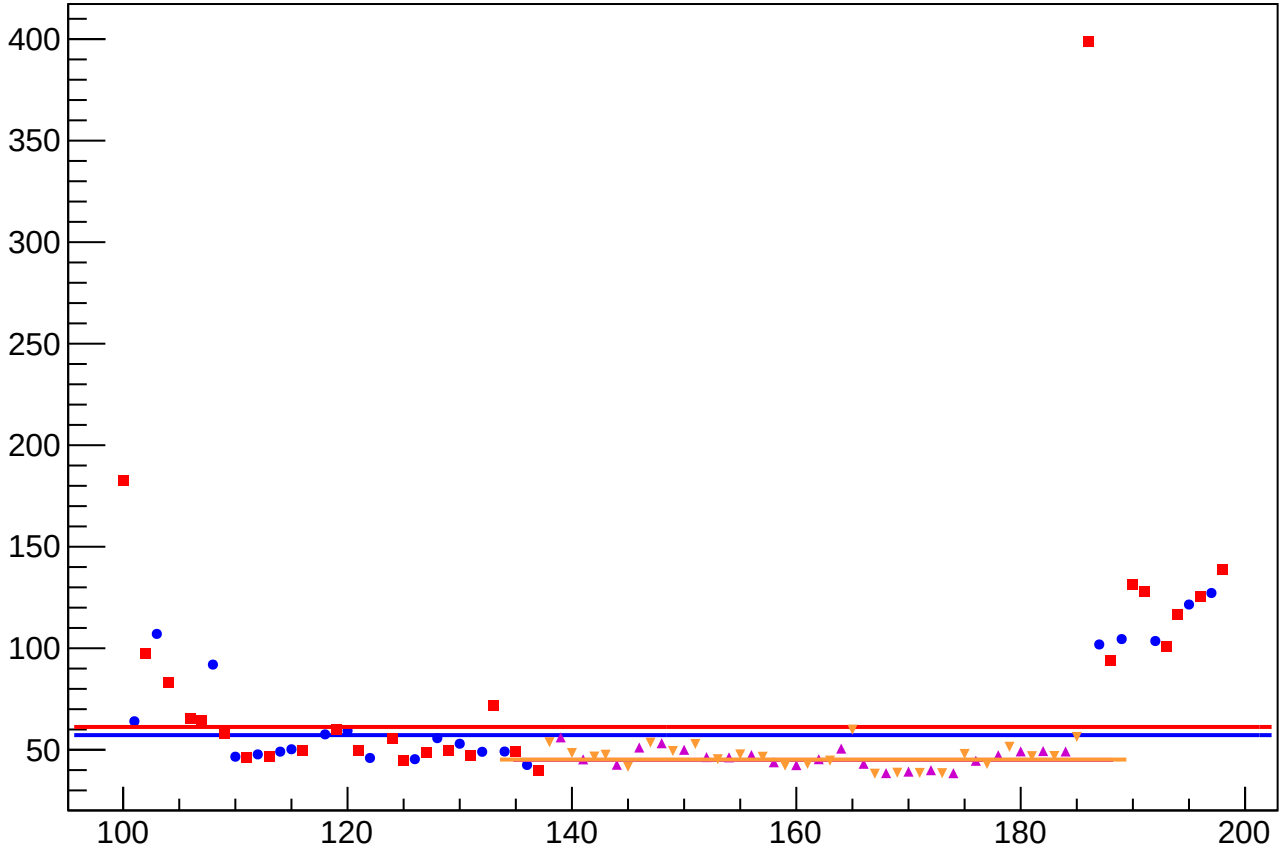
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -33.106+/-9.105 χ^2/NDF: 81.5/45

All: -15.061+/-6.498 χ^2/NDF: 147.5/95

- sign 3.666+/-9.276 χ^2/NDF: 58.0/49

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 57.220+/-0.013 χ^2/NDF: 2482427.8/20

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 61.243+/-0.013 χ^2/NDF: 3770290.3/26

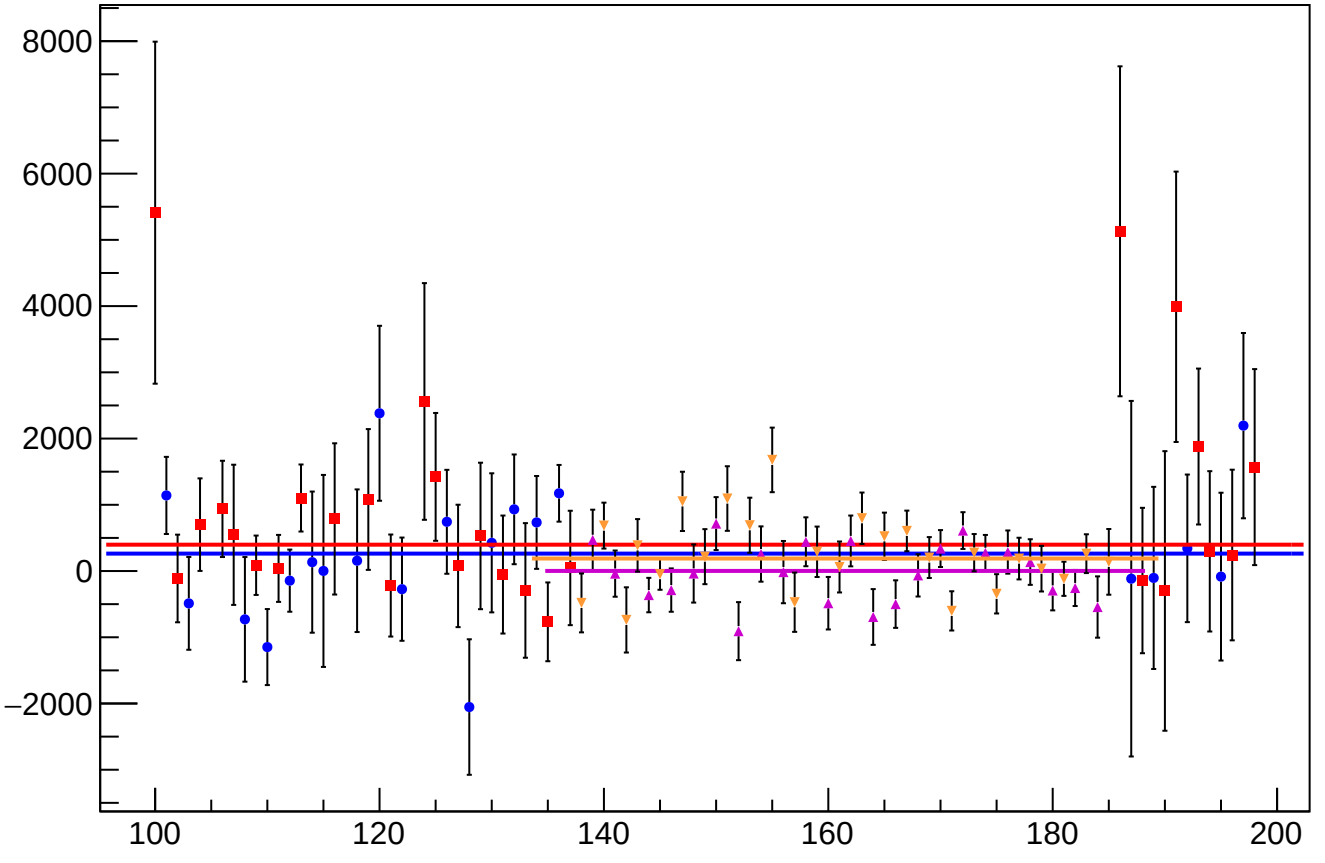
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 47.973+/-0.006 χ^2/NDF: 3596467.1/45

All: 48.456+/-0.005 χ^2/NDF: 8875894.4/95

- sign 48.957+/-0.007 χ^2/NDF: 5267976.3/49

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 263.071+/-173.619 χ^2/NDF: 27.7/20

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 397.813+/-164.201 χ^2/NDF: 25.9/26

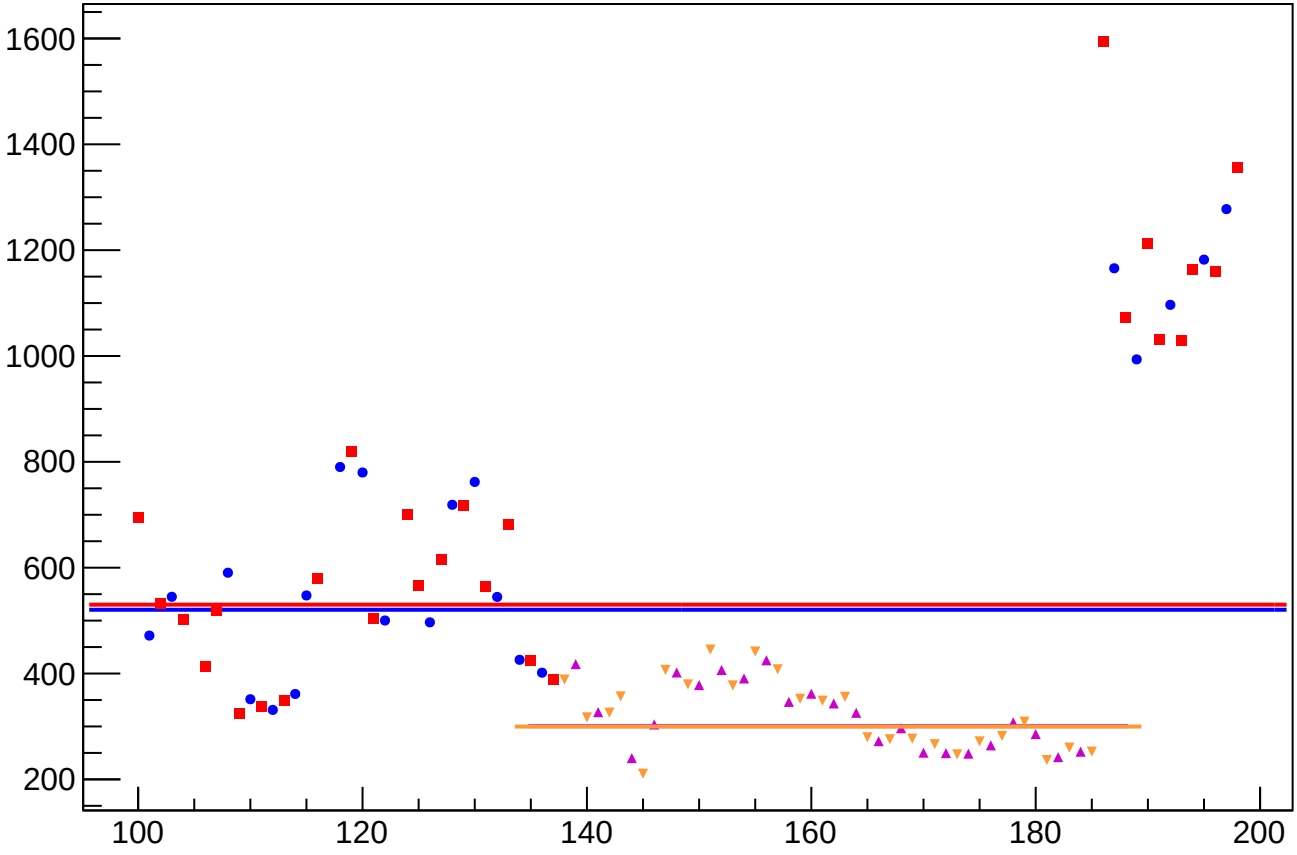
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 199.123+/-64.693 χ^2/NDF: 74.6/45

All: 133.171+/-46.103 χ^2/NDF: 139.8/95

- sign 65.113+/-65.718 χ^2/NDF: 63.1/49

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 520.510+/-0.123 χ^2/NDF: 3169526.6/20

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

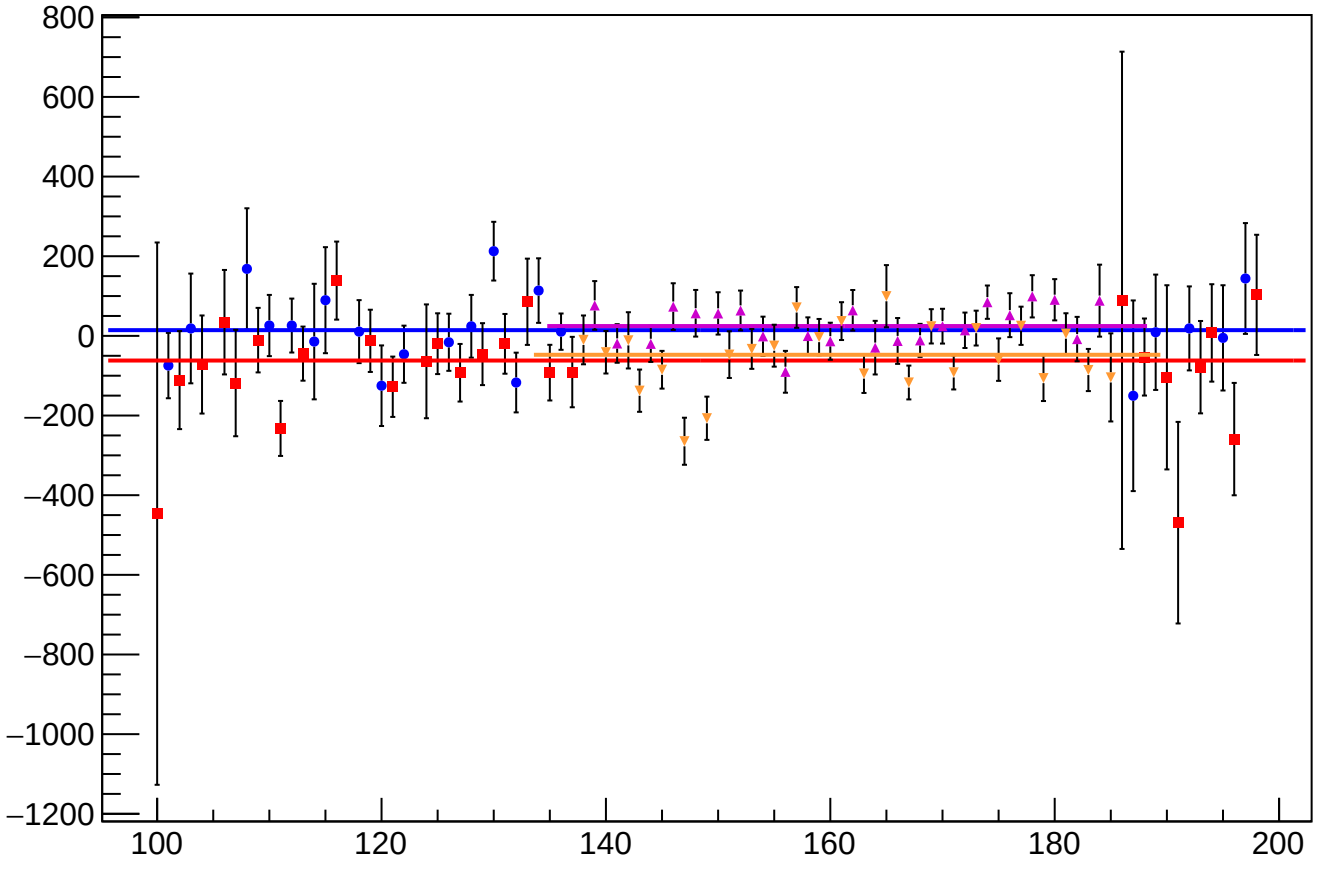
Right Out: 530.166+/-0.116 χ^2/NDF: 4634163.7/26

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 330.443+/-0.046 χ^2/NDF: 7530301.0/45

All: 333.830+/-0.033 χ^2/NDF: 16719531.2/95

- sign 337.326+/-0.046 χ^2/NDF: 9178087.0/49



Right In: 14.392+/-18.891 χ^2/NDF: 18.6/20

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -61.895+/-18.825 χ^2/NDF: 22.3/26

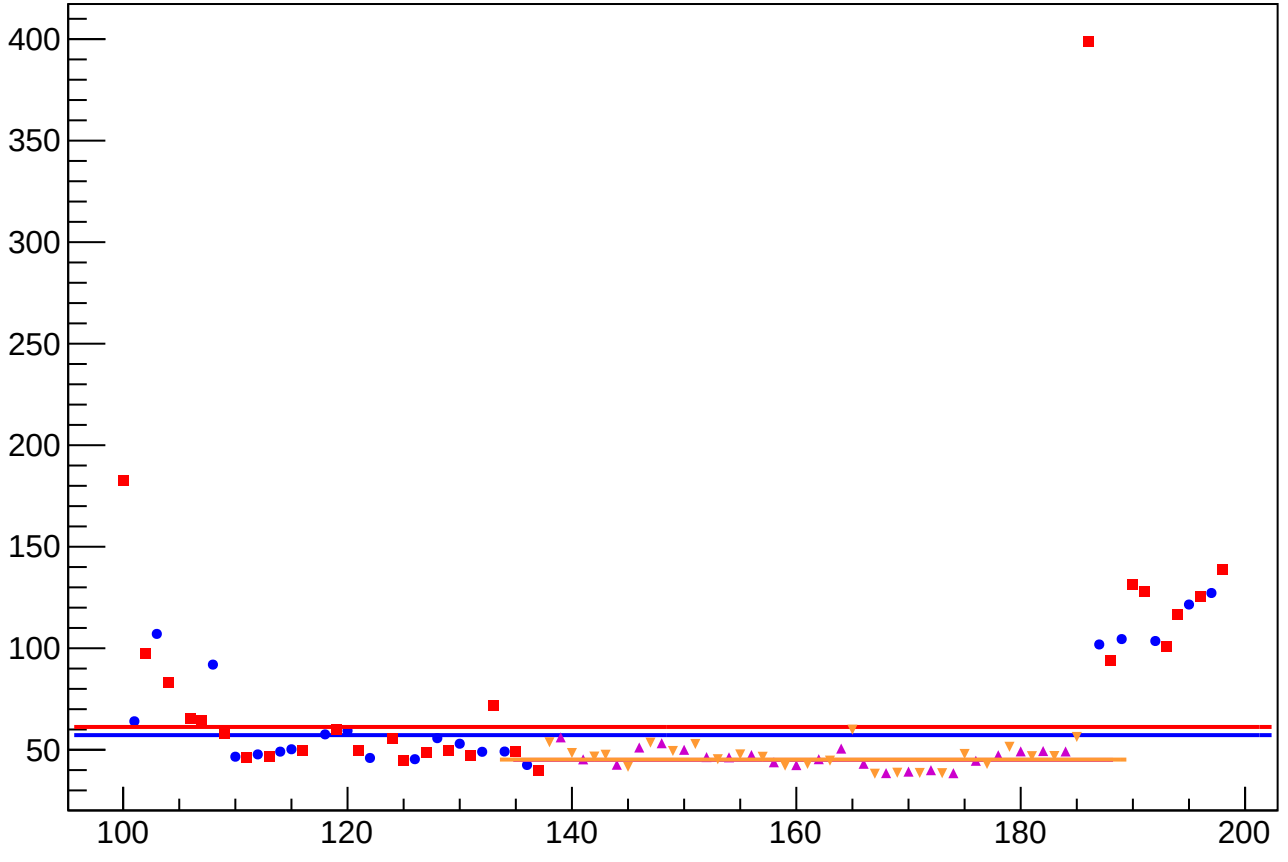
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

\+ sign -33.106+/-9.105 χ^2/NDF: 81.5/45

All: -15.062+/-6.498 χ^2/NDF: 147.5/95

\- sign 3.666+/-9.276 χ^2/NDF: 58.0/49

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 57.220+/-0.013 χ^2/NDF: 2482434.0/20

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

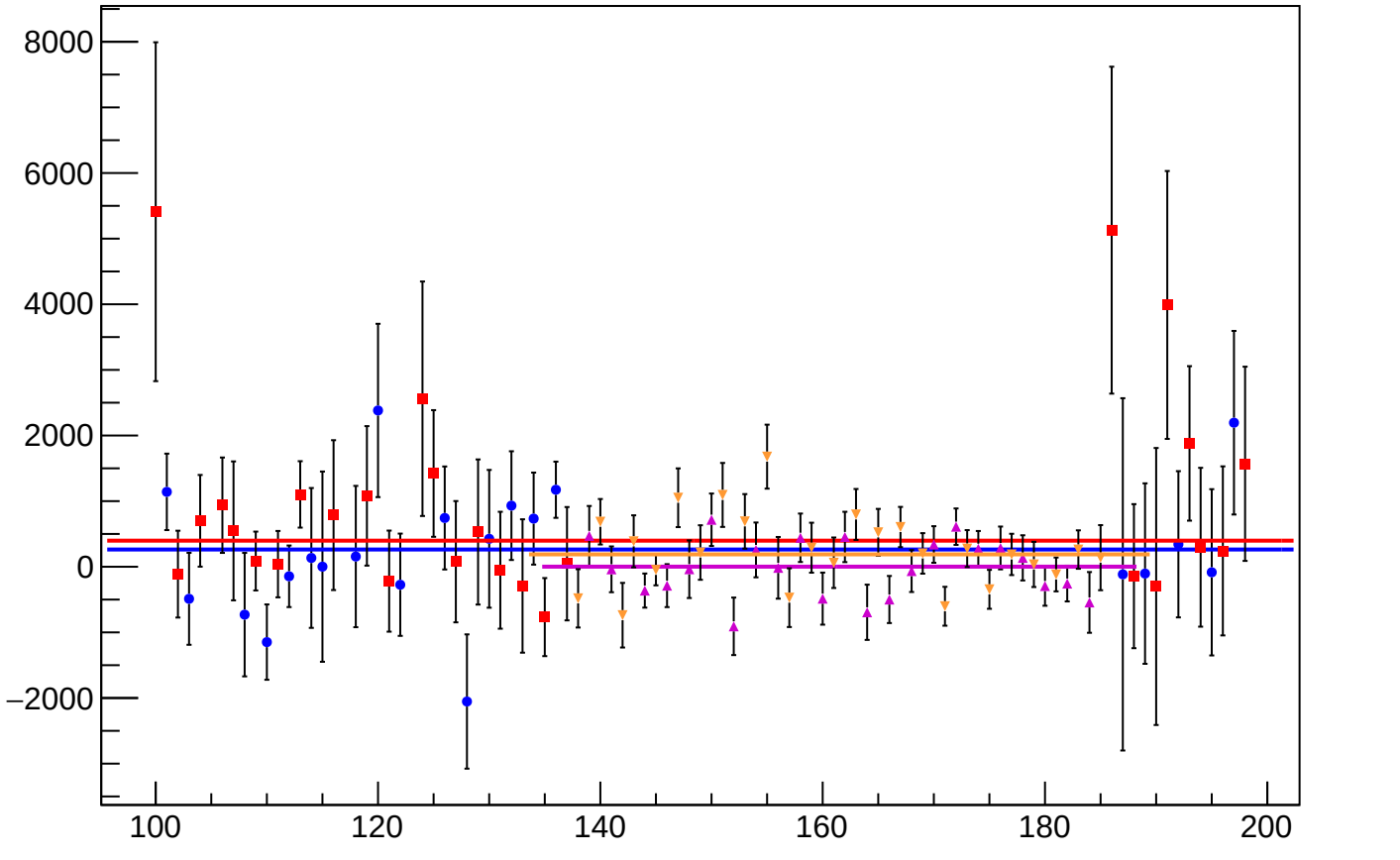
Right Out: 61.243+/-0.013 χ^2/NDF: 3770295.0/26

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 47.973+/-0.006 χ^2/NDF: 3596475.1/45

All: 48.456+/-0.005 χ^2/NDF: 8875910.8/95

- sign 48.957+/-0.007 χ^2/NDF: 5267983.9/49



Right In: 263.070+/-173.618 χ^2/NDF: 27.7/20

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 397.813+/-164.201 χ^2/NDF: 25.9/26

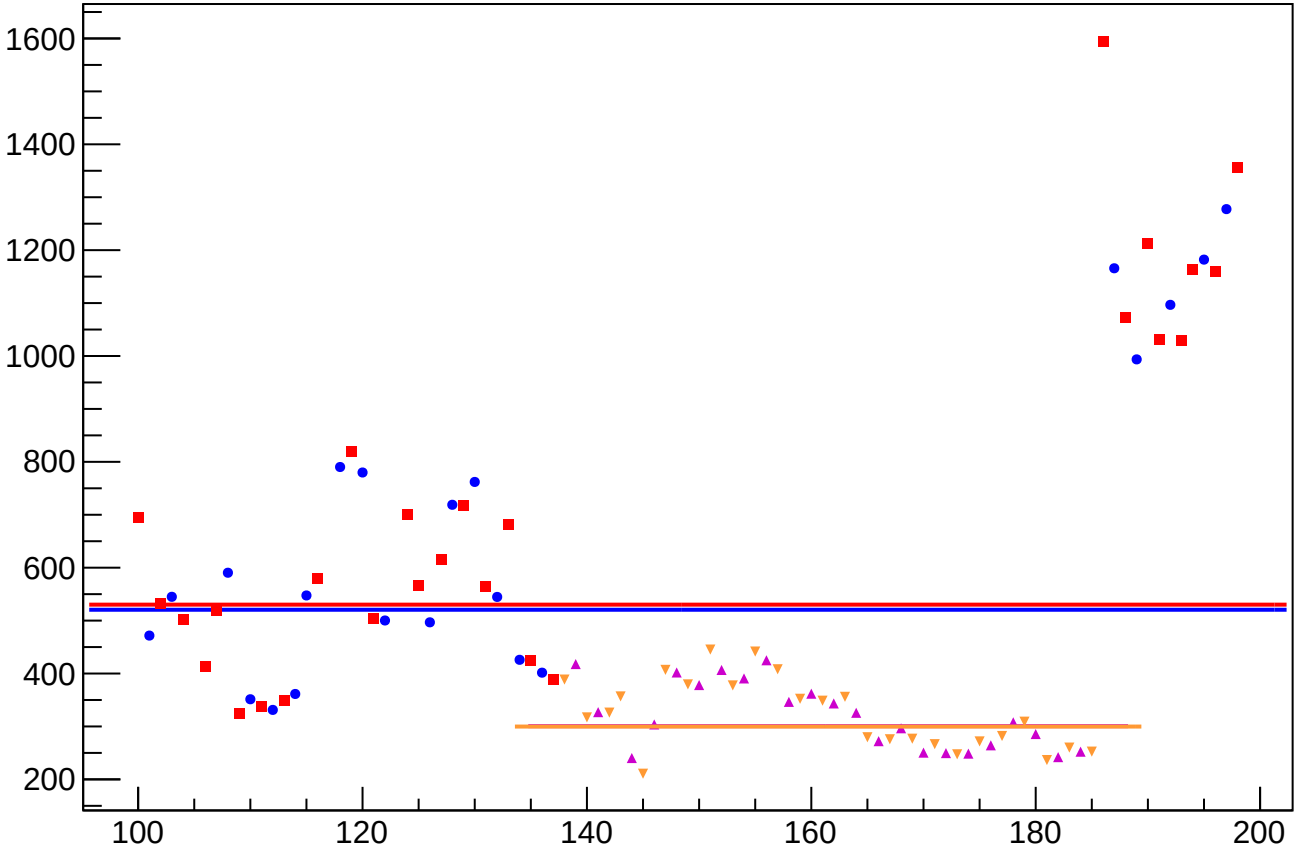
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 199.123+/-64.693 χ^2/NDF: 74.6/45

All: 133.171+/-46.103 χ^2/NDF: 139.8/95

- sign 65.113+/-65.718 χ^2/NDF: 63.1/49

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 520.509+/-0.123 χ^2/NDF: 3169531.7/20

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 530.165+/-0.116 χ^2/NDF: 4634166.3/26

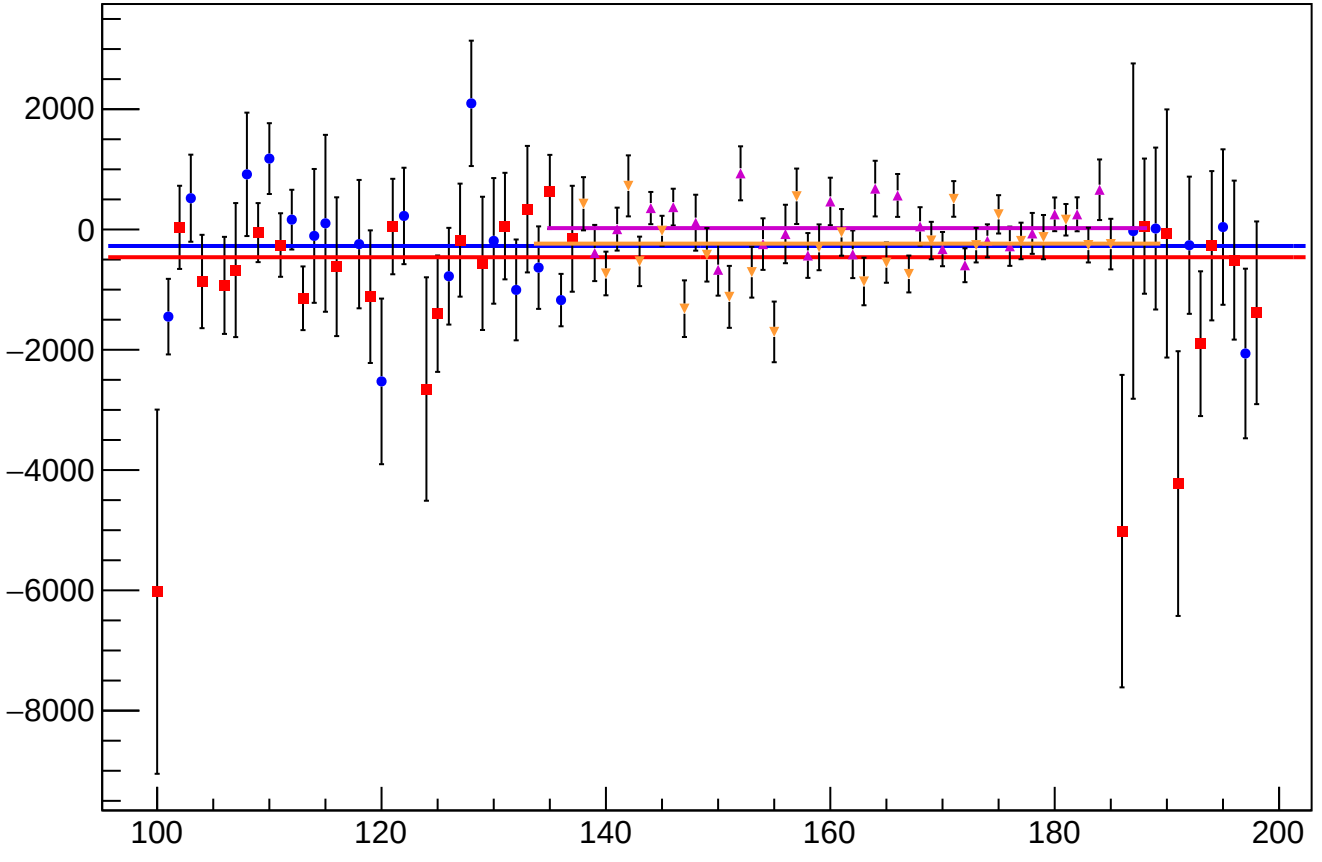
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 330.443+/-0.046 χ^2/NDF: 7530286.0/45

All: 333.830+/-0.033 χ^2/NDF: 16719484.6/95

- sign 337.326+/-0.046 χ^2/NDF: 9178054.8/49

asym_sam_15_37_dd_mean vs Slug



Right In: -274.441+/-178.706 χ^2/NDF: 28.7/20

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -461.160+/-172.014 χ^2/NDF: 22.5/26

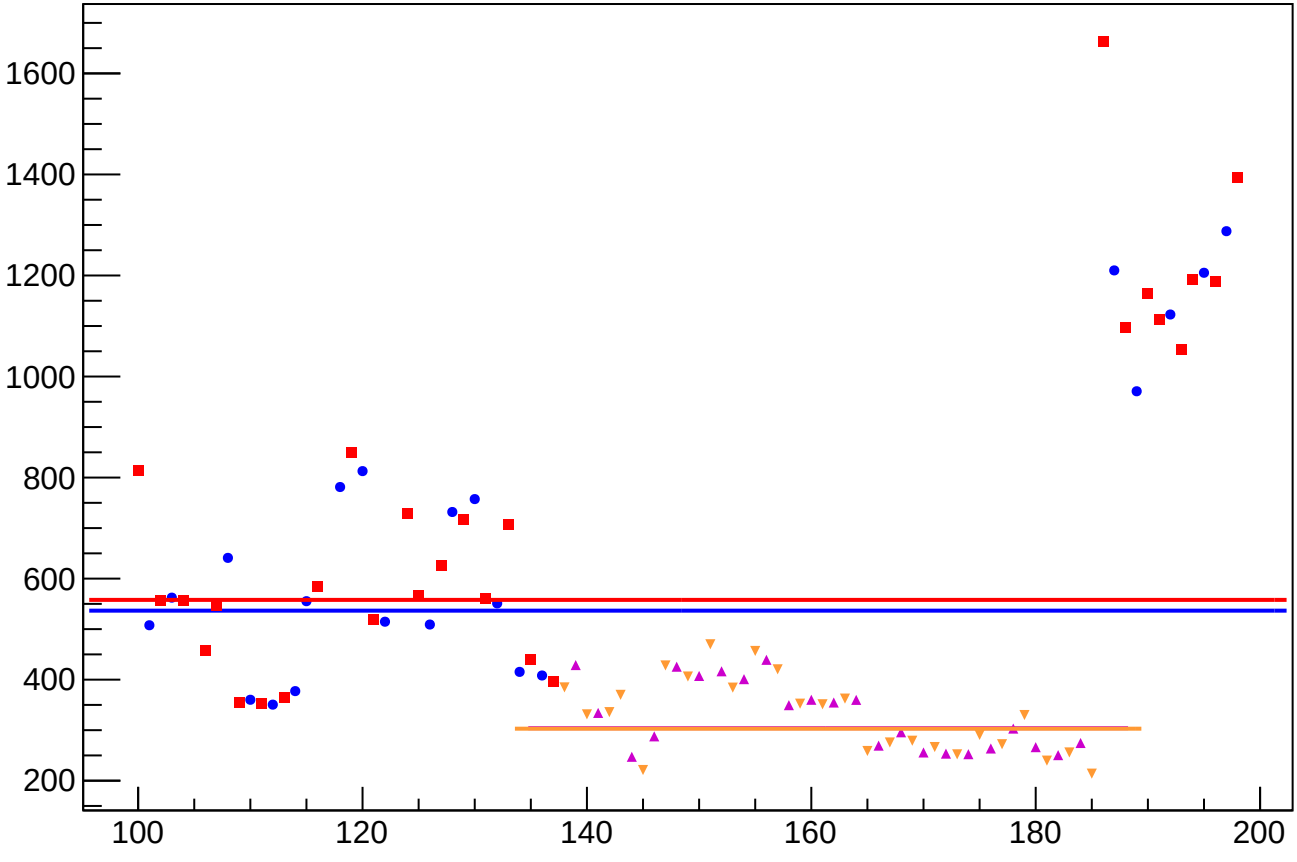
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -240.488+/-65.775 χ^2/NDF: 76.2/45

All: -147.164+/-46.909 χ^2/NDF: 139.3/95

- sign -50.564+/-66.920 χ^2/NDF: 59.0/49

asym_sam_15_37_dd_rms vs Slug



Right In: 536.576+/-0.126 χ^2/NDF: 3070776.9/20

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

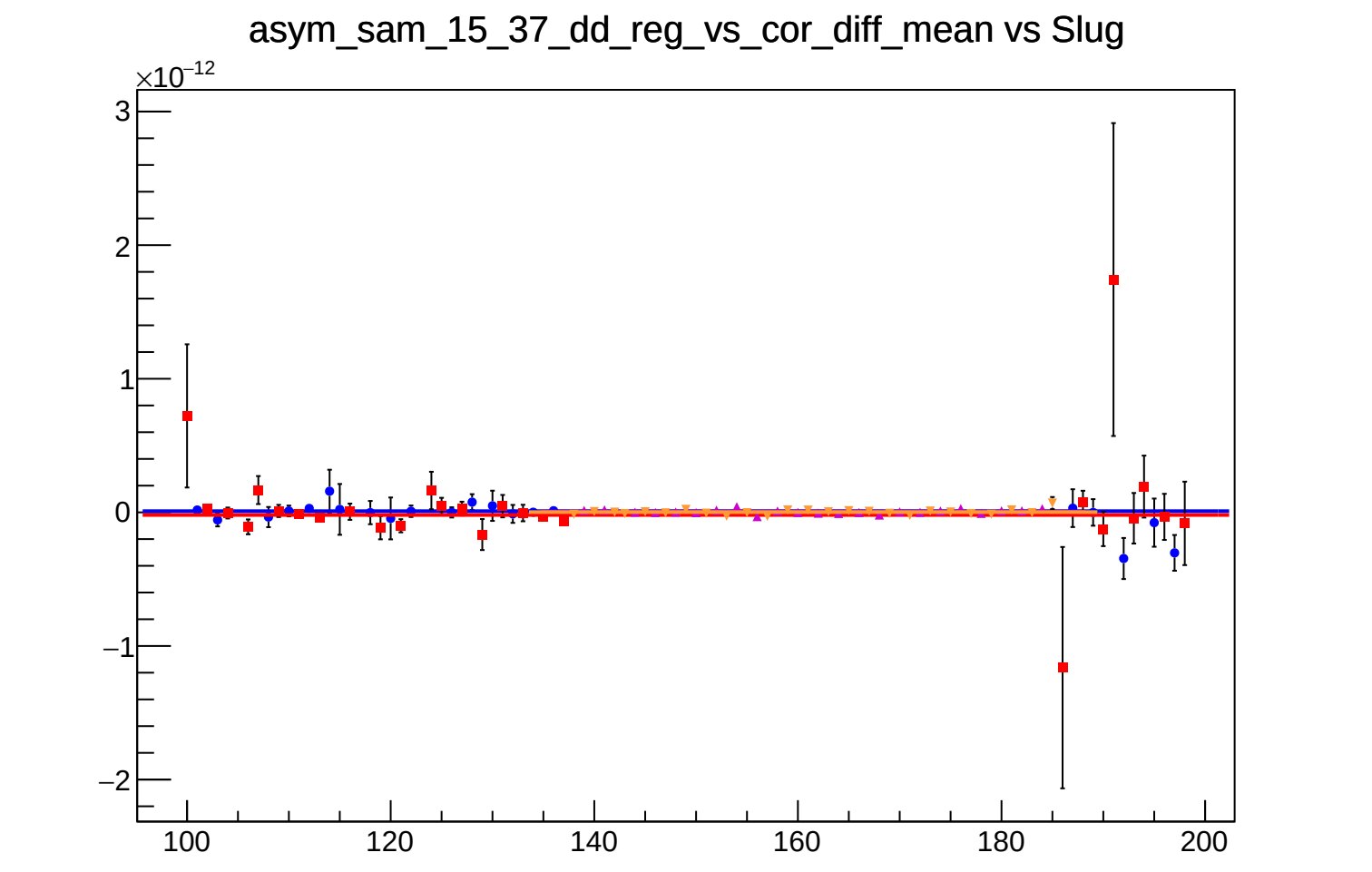
Right Out: 557.883+/-0.122 χ^2/NDF: 4398241.9/26

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 334.594+/-0.047 χ^2/NDF: 7792096.8/45

All: 338.410+/-0.033 χ^2/NDF: 17279979.5/95

- sign 342.360+/-0.047 χ^2/NDF: 9474183.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

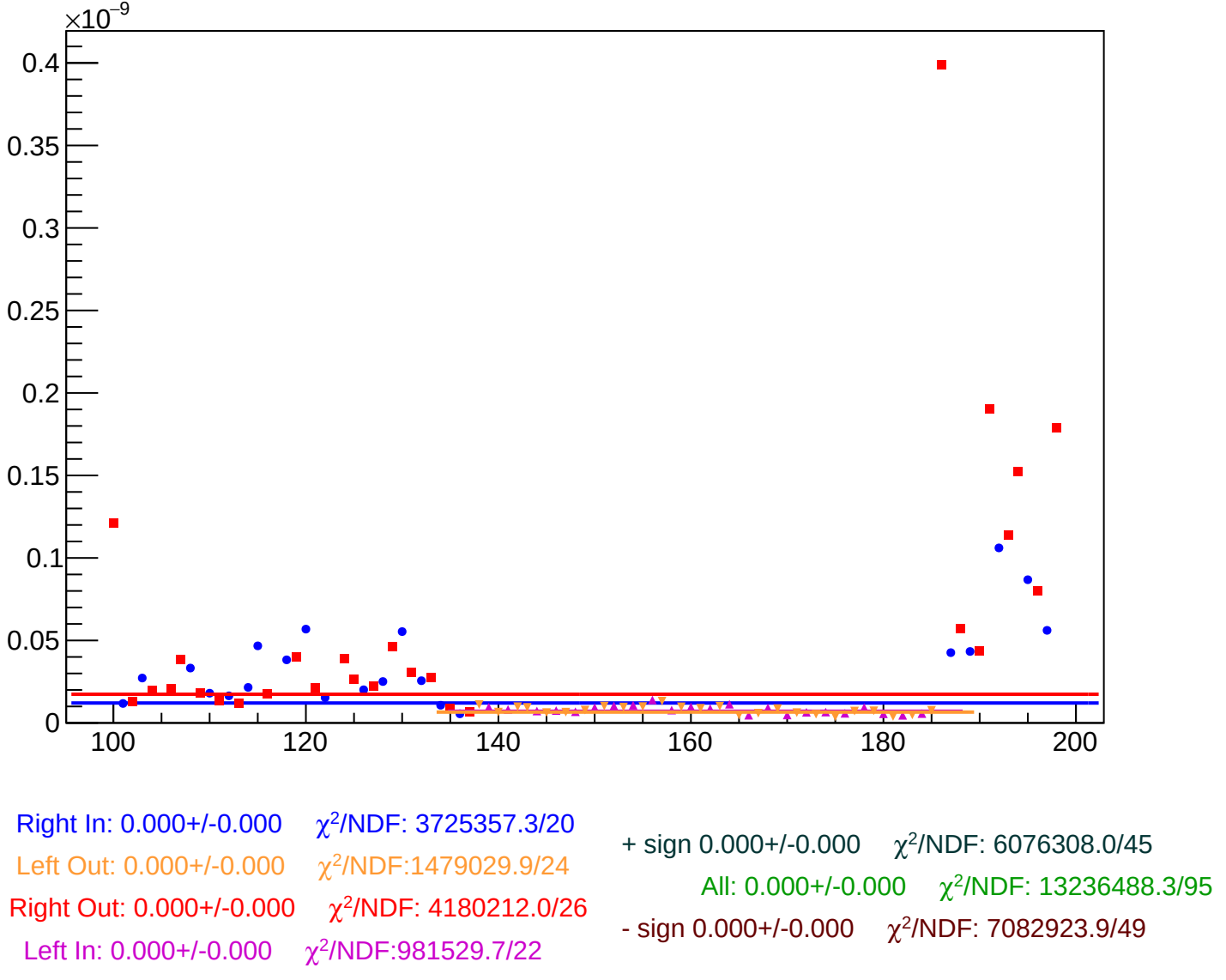
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/26

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

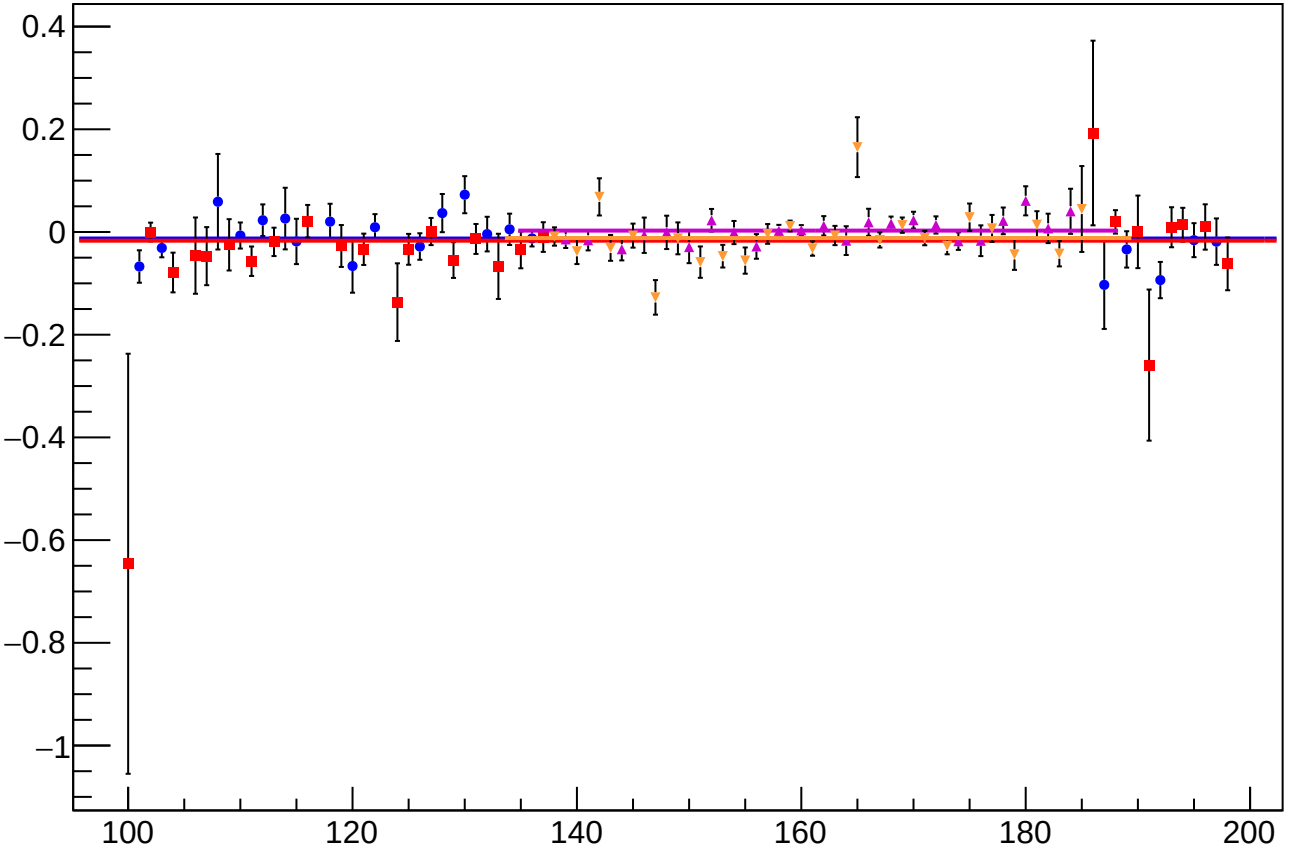
+ sign 0.000+/-0.000 χ^2/NDF: 40.2/45

All: 0.000+/-0.000 χ^2/NDF: 95.1/95

- sign 0.000+/-0.000 χ^2/NDF: 54.7/49


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3725357.3/20
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4180212.0/26
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
+ sign 0.000+/-0.000 χ²/NDF: 6076308.0/45
All: 0.000+/-0.000 χ²/NDF: 13236488.3/95
- sign 0.000+/-0.000 χ²/NDF: 7082923.9/49

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/26

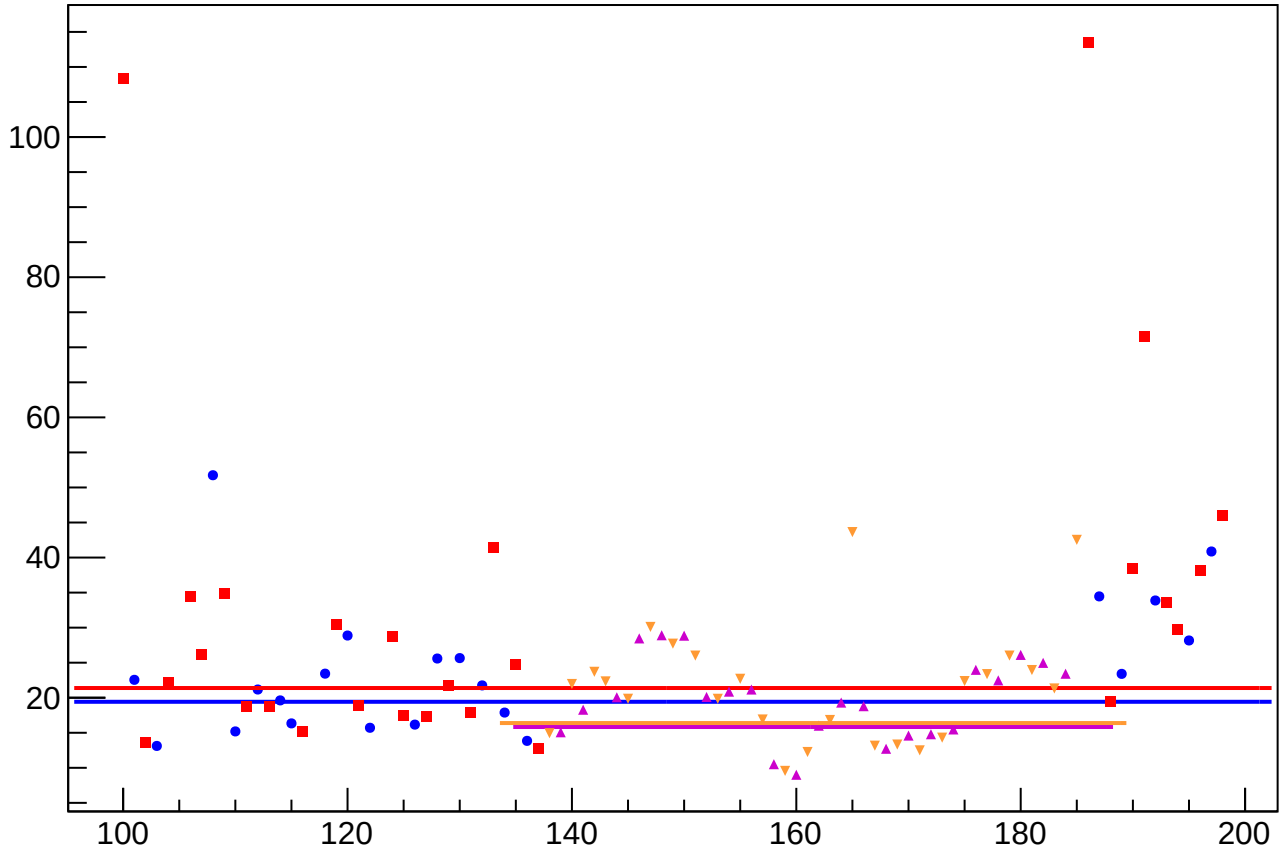
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/45

All: -0.007+/-0.002 χ^2/NDF: 131.7/95

- sign -0.002+/-0.003 χ^2/NDF: 50.4/49

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.421+/-0.005 χ^2/NDF: 2133507.5/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

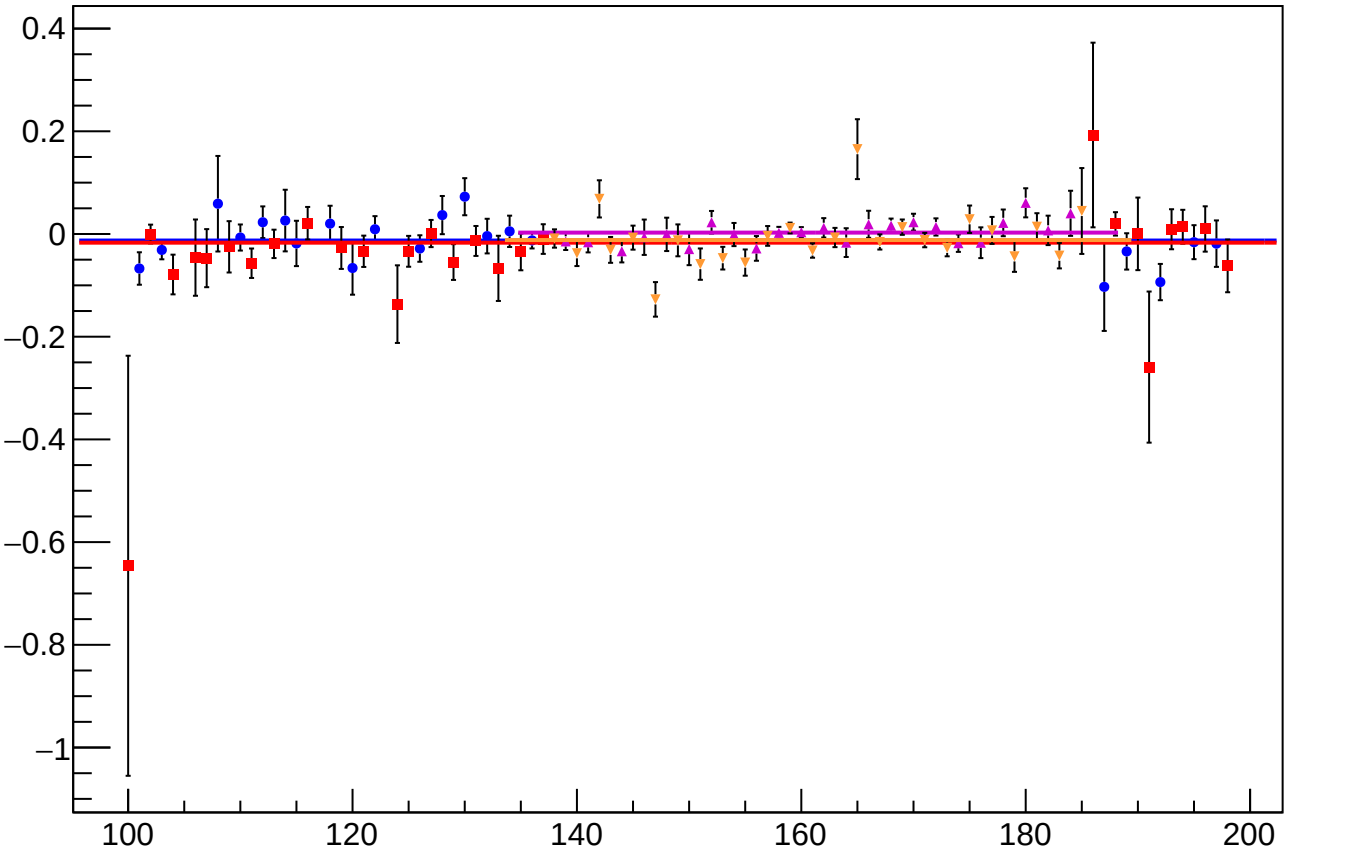
Right Out: 21.385+/-0.005 χ^2/NDF: 3388065.6/26

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.208+/-0.002 χ^2/NDF: 6464569.1/45

All: 17.234+/-0.002 χ^2/NDF: 14486856.7/95

\- sign 17.261+/-0.002 χ^2/NDF: 8022055.1/49



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

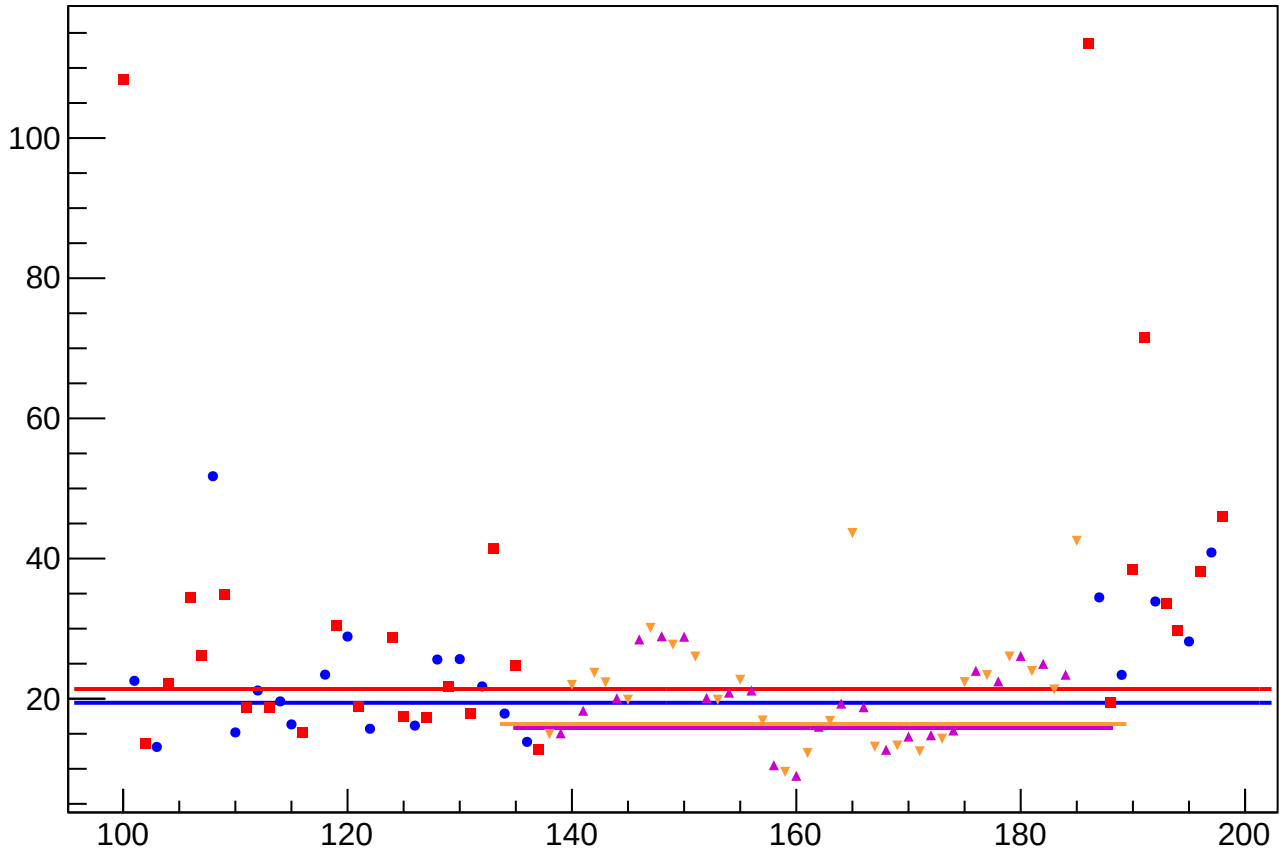
Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/45

All: -0.007+/-0.002 χ^2/NDF: 131.7/95

- sign -0.002+/-0.003 χ^2/NDF: 50.4/49



Right In: 19.421+/-0.005 χ^2/NDF: 2133507.5/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

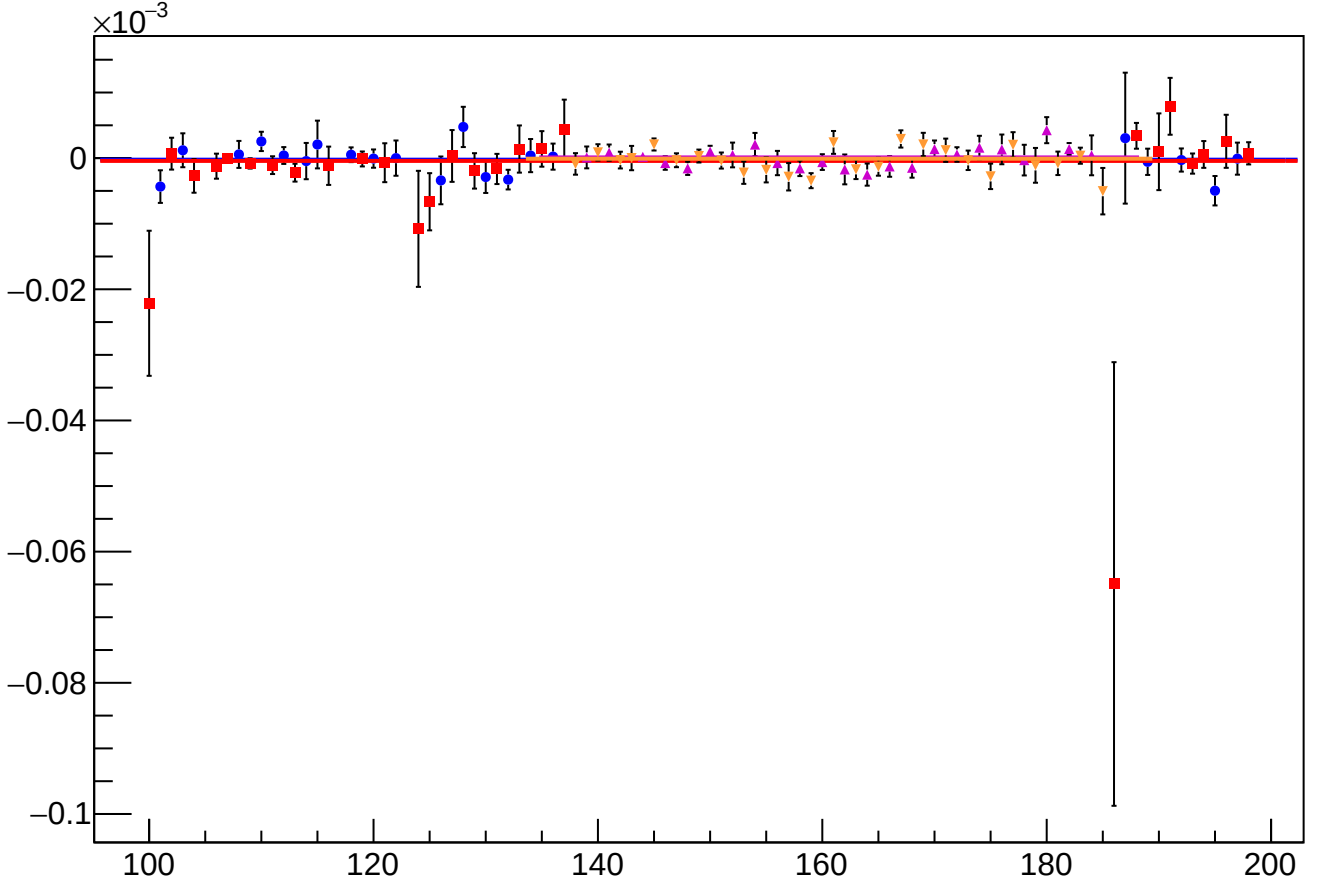
Right Out: 21.385+/-0.005 χ^2/NDF: 3388065.6/26

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.208+/-0.002 χ^2/NDF: 6464569.1/45

All: 17.234+/-0.002 χ^2/NDF: 14486856.7/95

\- sign 17.261+/-0.002 χ^2/NDF: 8022055.1/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/26

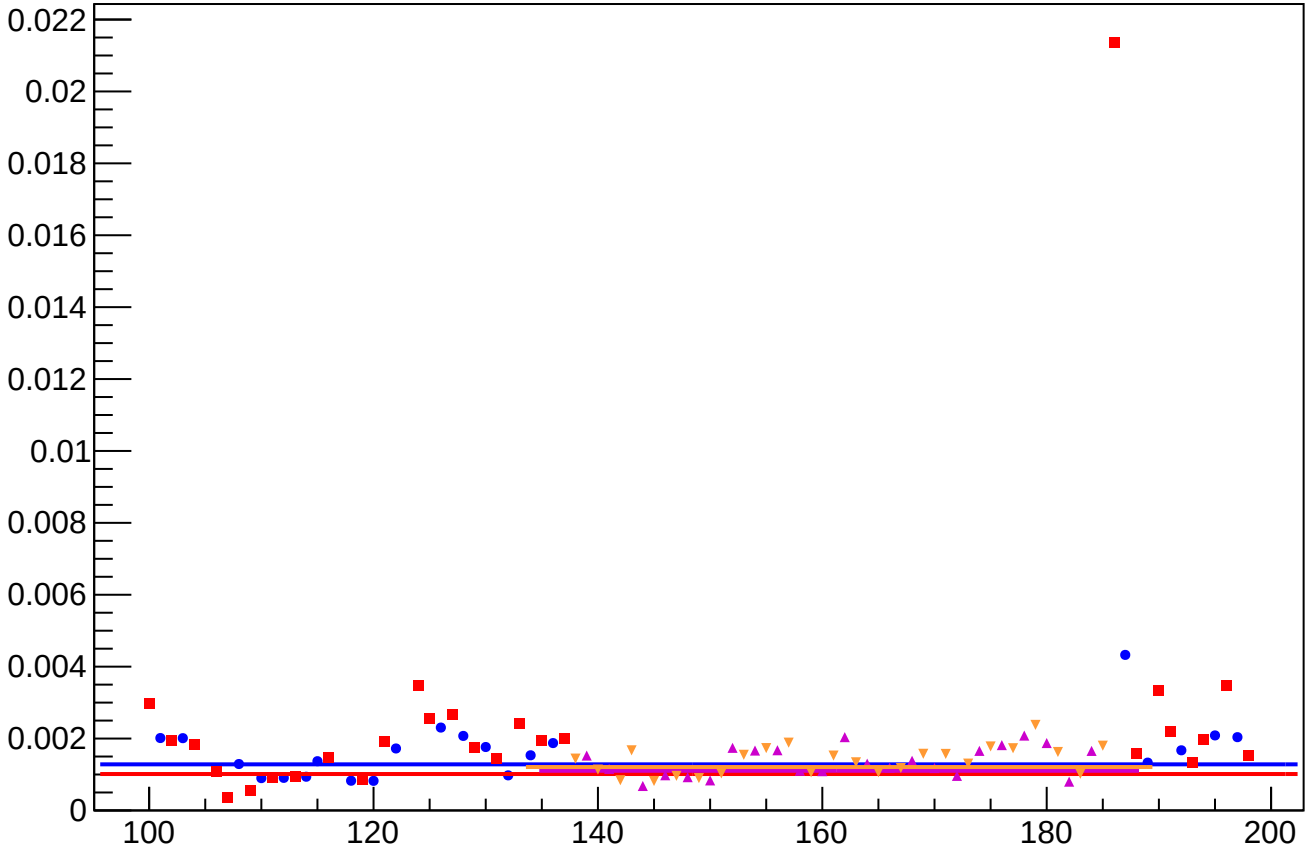
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/45

All: -0.000+/-0.000 χ^2/NDF: 106.9/95

- sign -0.000+/-0.000 χ^2/NDF: 49.4/49

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2654503.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

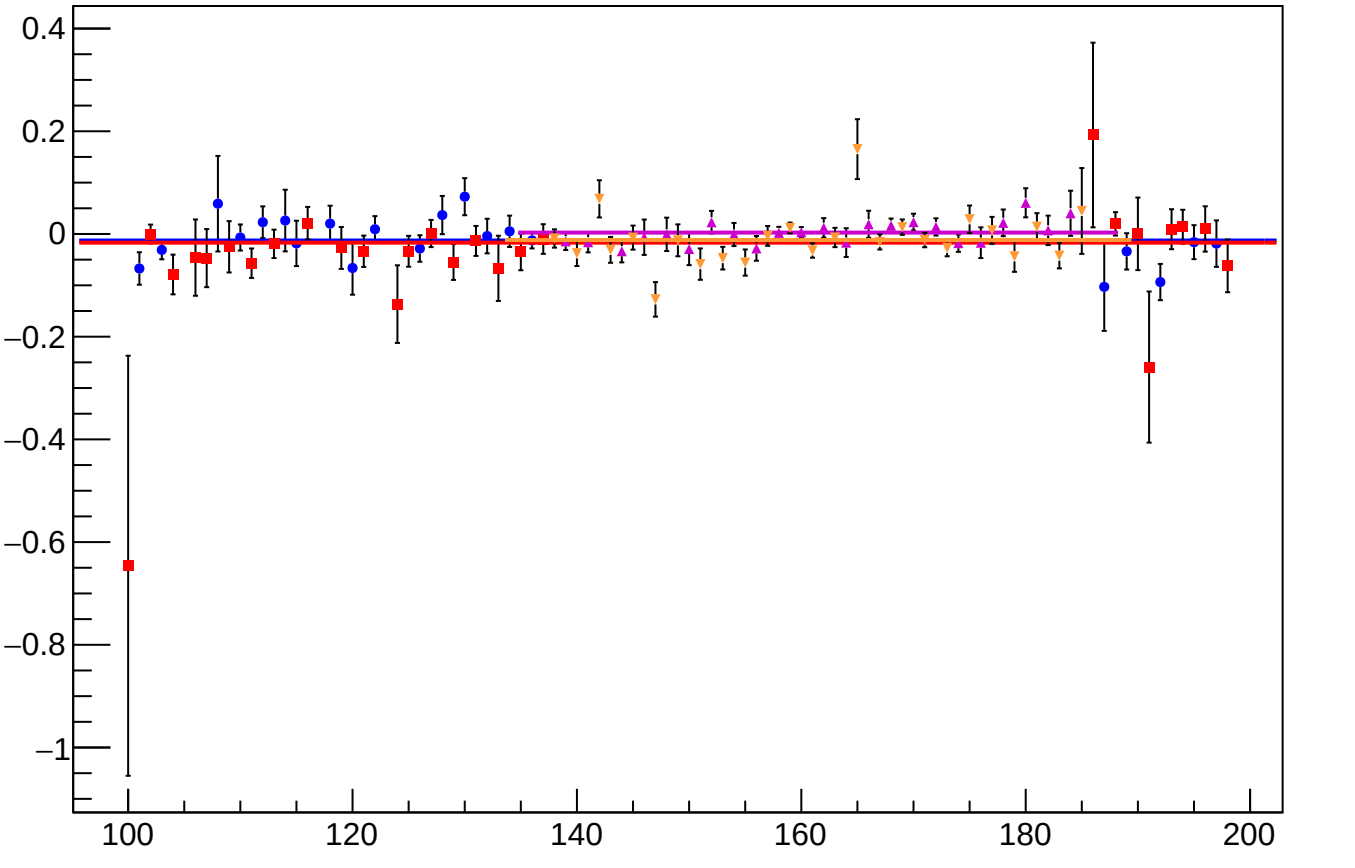
Right Out: 0.001+/-0.000 χ^2/NDF: 7525090.2/26

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5417341.8/45

All: 0.001+/-0.000 χ^2/NDF: 17027287.9/95

- sign 0.001+/-0.000 χ^2/NDF: 11104224.1/49



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

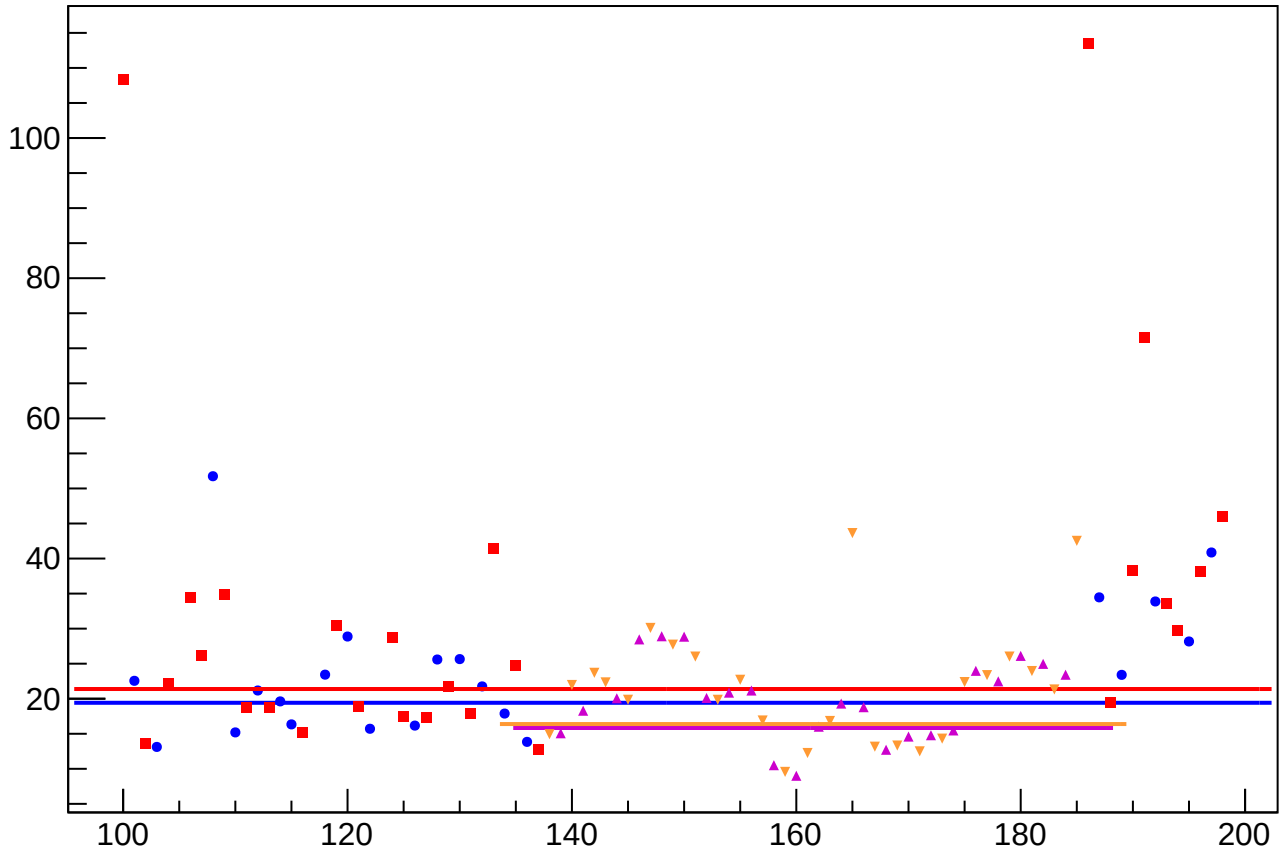
Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/45

All: -0.007+/-0.002 χ^2/NDF: 131.7/95

- sign -0.002+/-0.003 χ^2/NDF: 50.4/49



Right In: 19.421+/-0.005 χ^2/NDF: 2133515.6/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

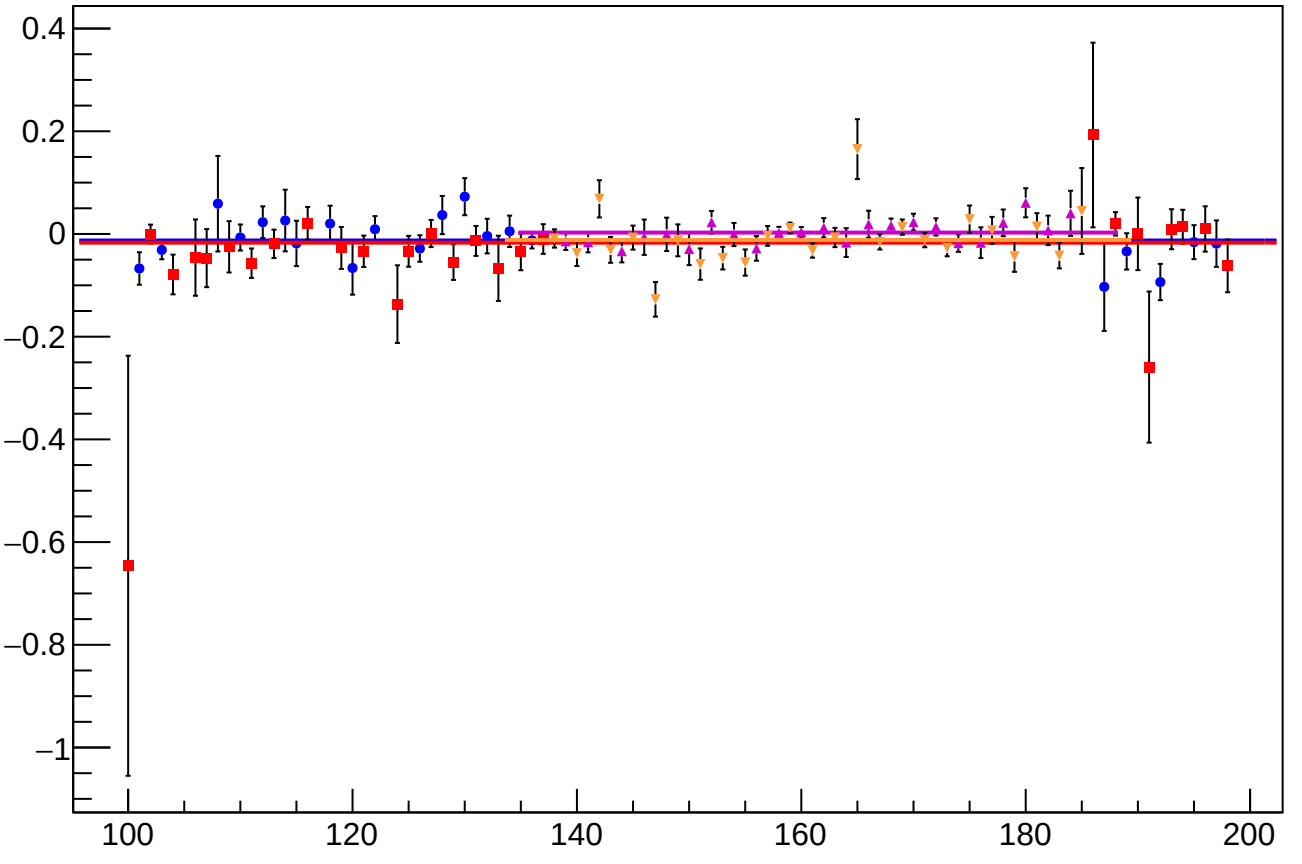
Right Out: 21.386+/-0.005 χ^2/NDF: 3387829.9/26

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.208+/-0.002 χ^2/NDF: 6464877.2/45

All: 17.234+/-0.002 χ^2/NDF: 14487550.2/95

- sign 17.261+/-0.002 χ^2/NDF: 8022440.2/49



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

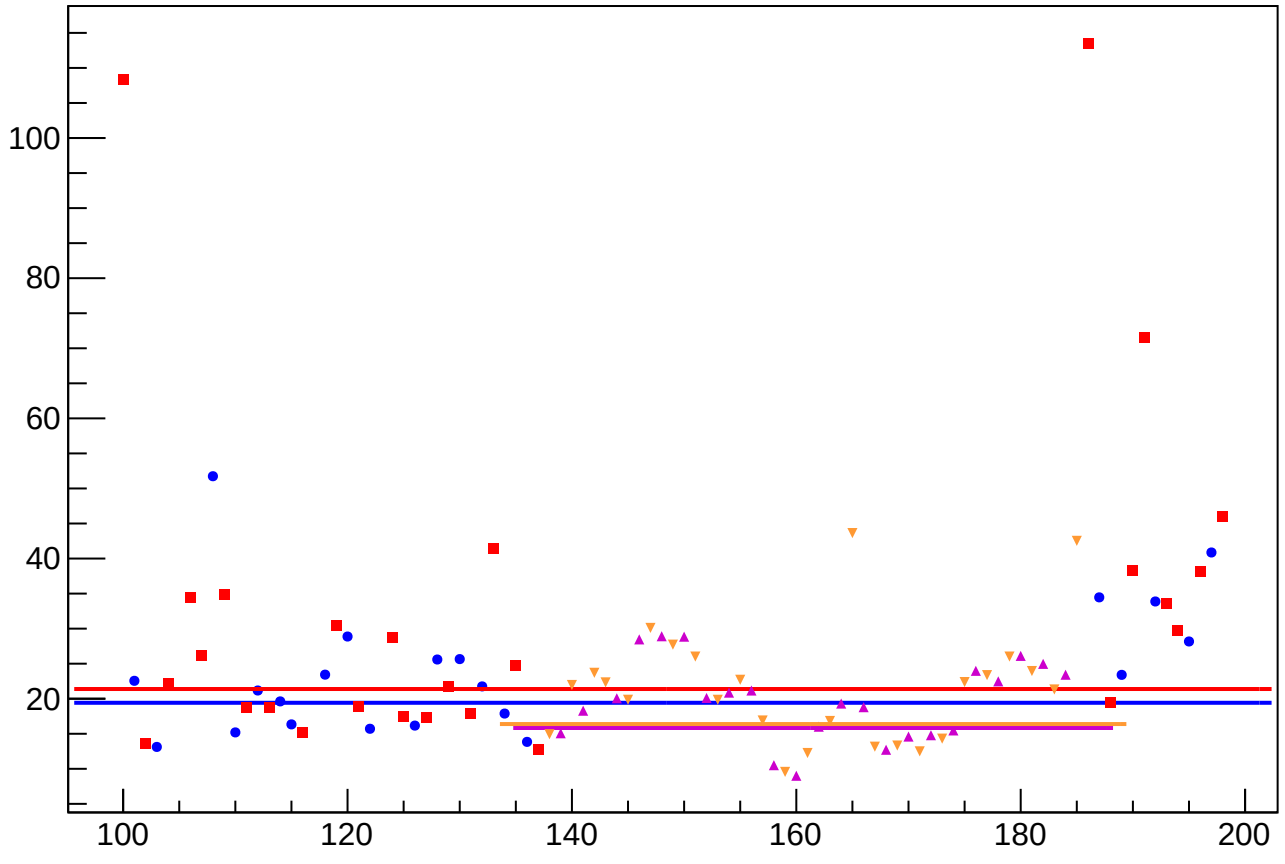
Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/45

All: -0.007+/-0.002 χ^2/NDF: 131.7/95

- sign -0.002+/-0.003 χ^2/NDF: 50.4/49



Right In: 19.421+/-0.005 χ^2/NDF: 2133515.6/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

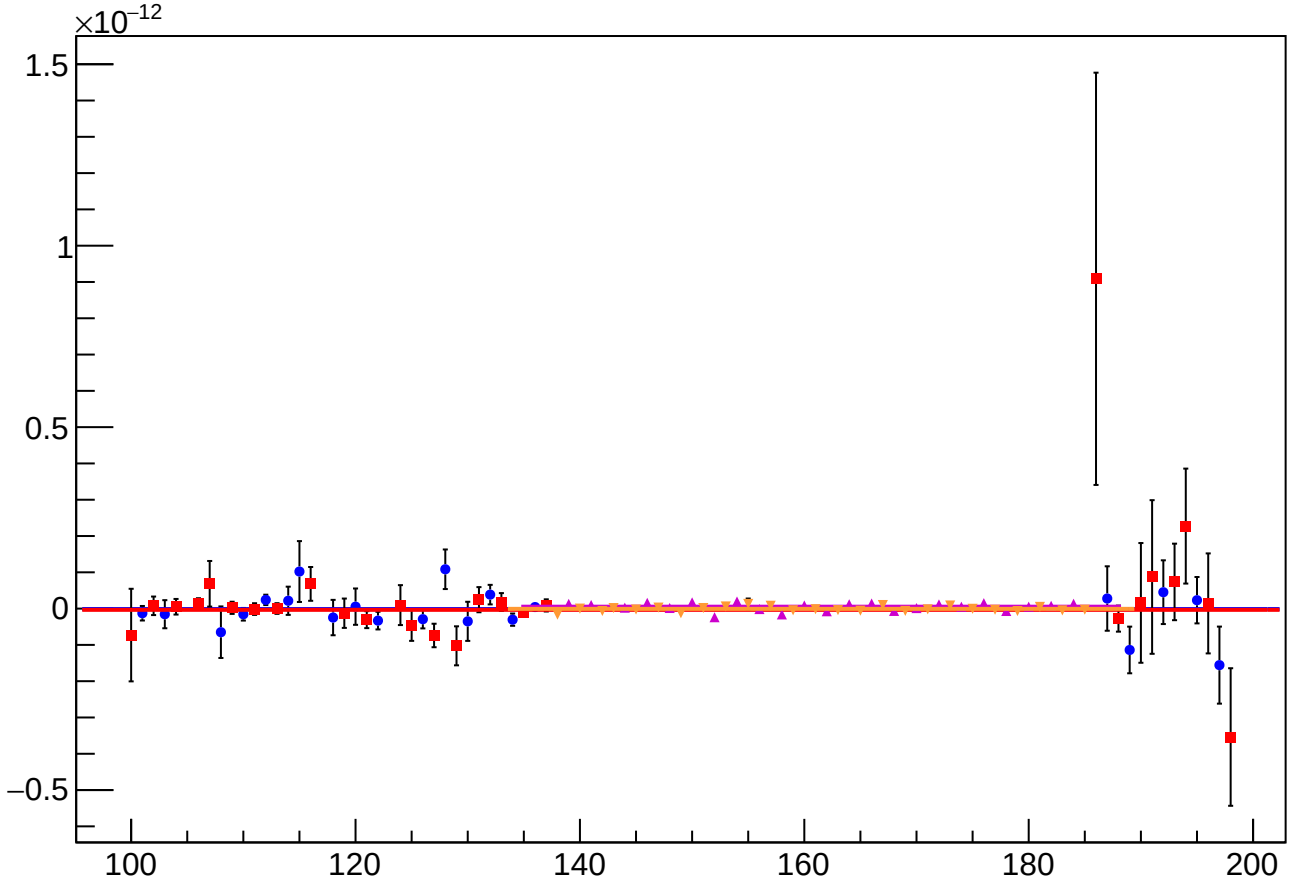
Right Out: 21.386+/-0.005 χ^2/NDF: 3387829.9/26

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.208+/-0.002 χ^2/NDF: 6464877.2/45

All: 17.234+/-0.002 χ^2/NDF: 14487550.2/95

- sign 17.261+/-0.002 χ^2/NDF: 8022440.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

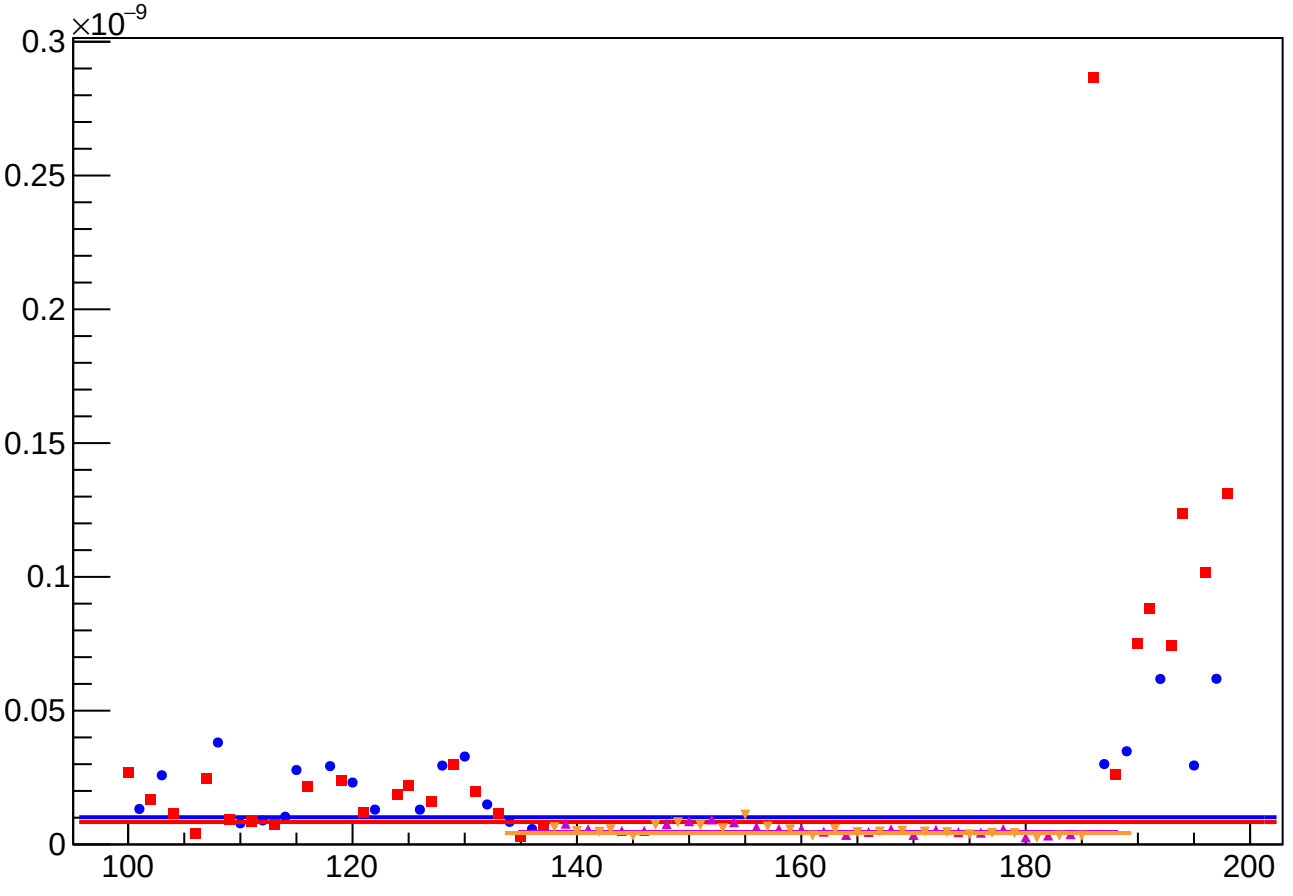
Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/26

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

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/45

All: 0.000+/-0.000 χ^2/NDF: 123.4/95

- sign 0.000+/-0.000 χ^2/NDF: 69.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 4408675.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8315427.8/26

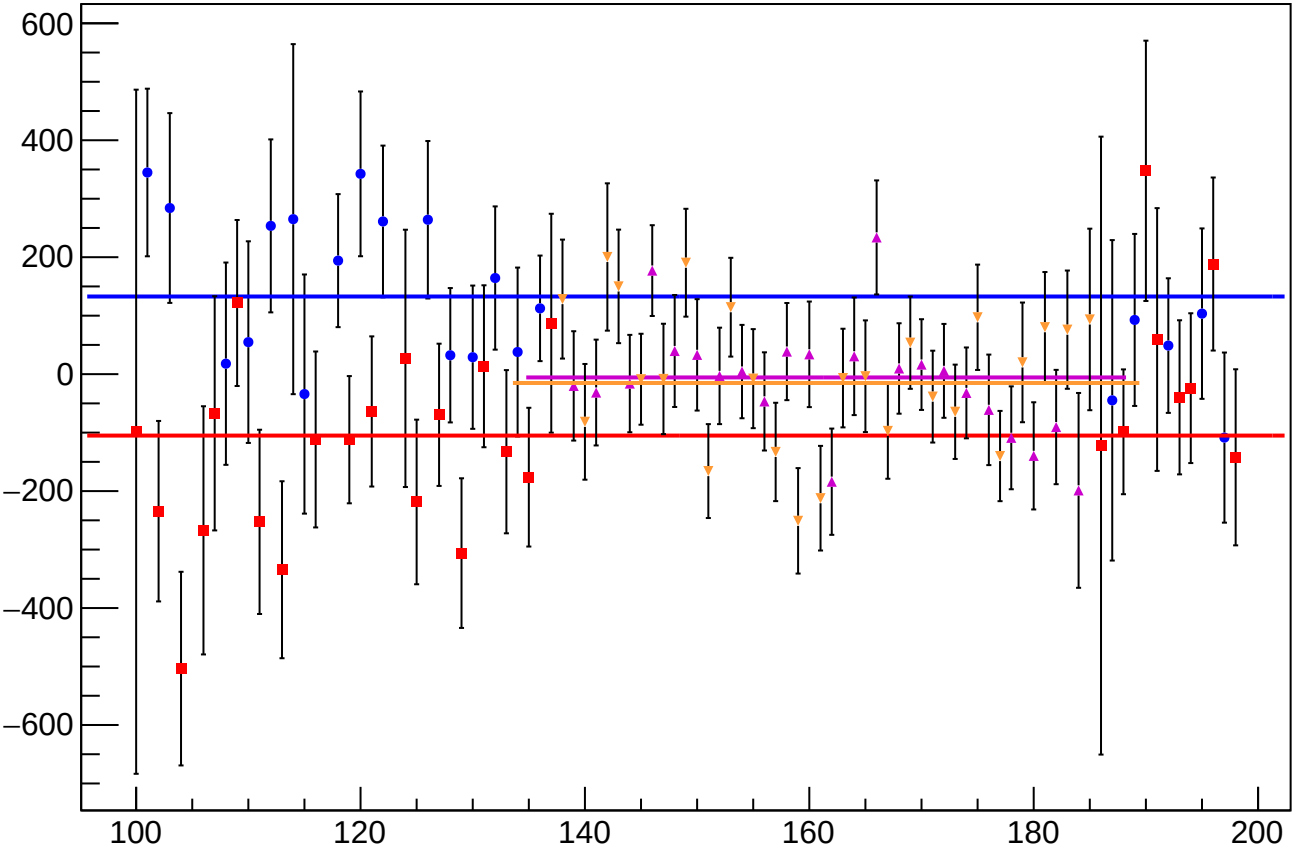
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9586561.3/45

All: 0.000+/-0.000 χ^2/NDF: 21767650.0/95

- sign 0.000+/-0.000 χ^2/NDF: 12106559.9/49

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 132.778+/-30.347 χ^2/NDF: 15.5/20

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -105.059+/-28.940 χ^2/NDF: 28.0/26

Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 23.250+/-15.454 χ^2/NDF: 74.8/45

All: -5.365+/-10.950 χ^2/NDF: 141.1/95

- sign -34.211+/-15.516 χ^2/NDF: 59.4/49

reg_asym_sam_24_68_dd_rms vs Slug

Right In: 97.116+/-0.021 χ^2/NDF: 655607.8/20

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

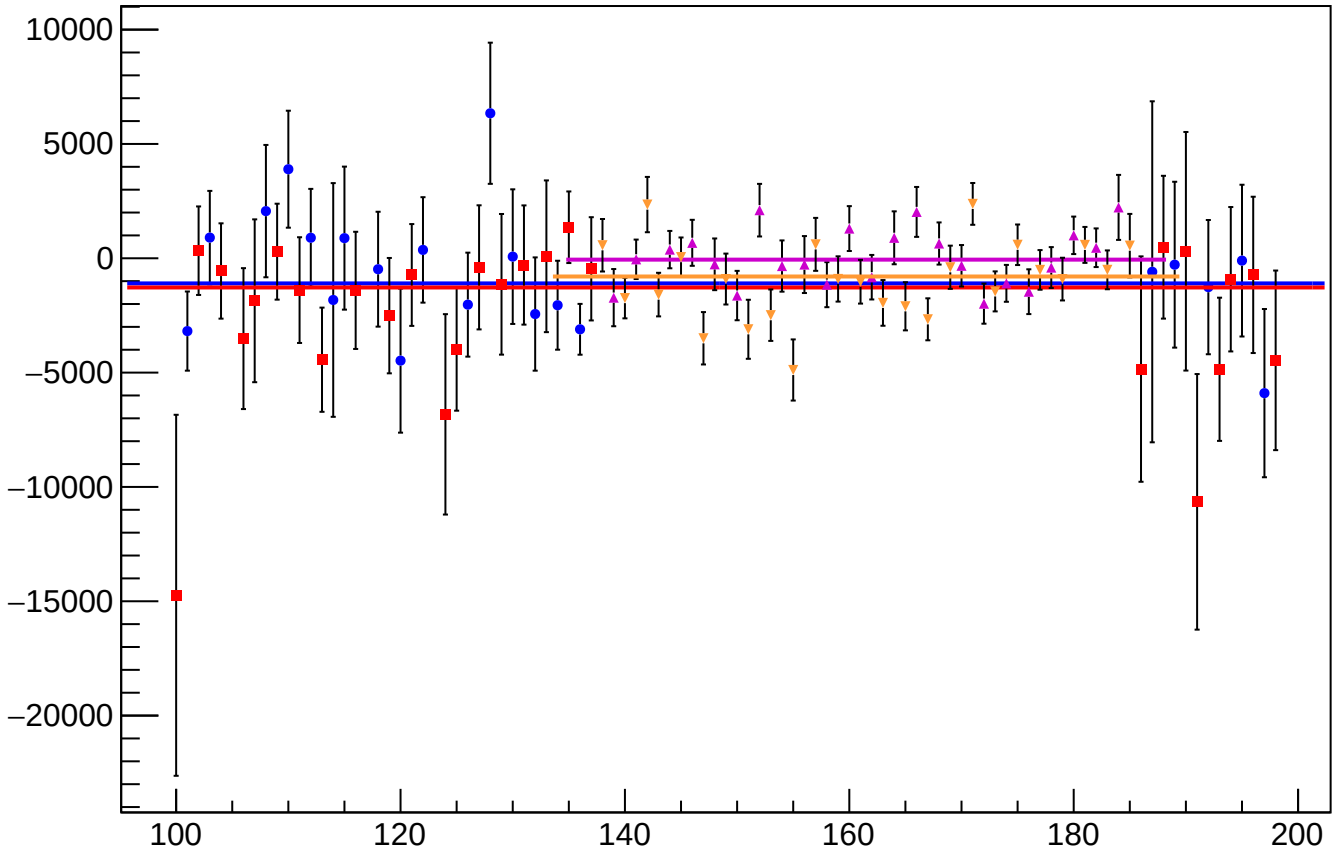
Right Out: 100.614+/-0.020 χ^2/NDF: 1140550.9/26

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.415+/-0.011 χ^2/NDF: 1513210.2/45

All: 84.074+/-0.008 χ^2/NDF: 3714843.7/95

- sign 84.739+/-0.011 χ^2/NDF: 2194326.9/49



Right In: -1099.075+/-521.426 χ^2/NDF: 22.1/20

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1276.942+/-523.095 χ^2/NDF: 18.8/26

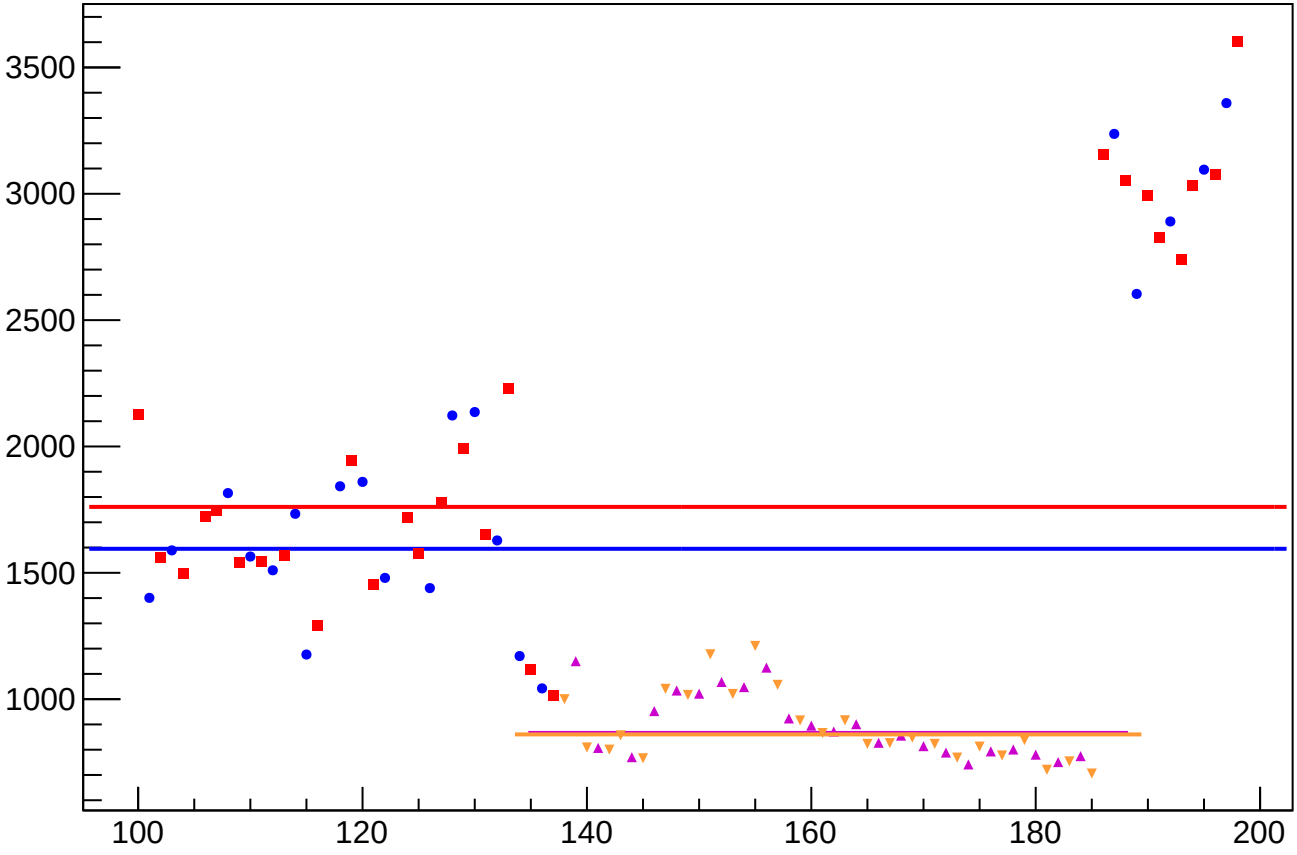
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -835.029+/-185.009 χ^2/NDF: 81.9/45

All: -536.756+/-132.690 χ^2/NDF: 141.2/95

- sign -220.809+/-190.411 χ^2/NDF: 54.0/49

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1595.088+/-0.369 χ^2/NDF: 2351002.5/20

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1760.870+/-0.370 χ^2/NDF: 2792047.5/26

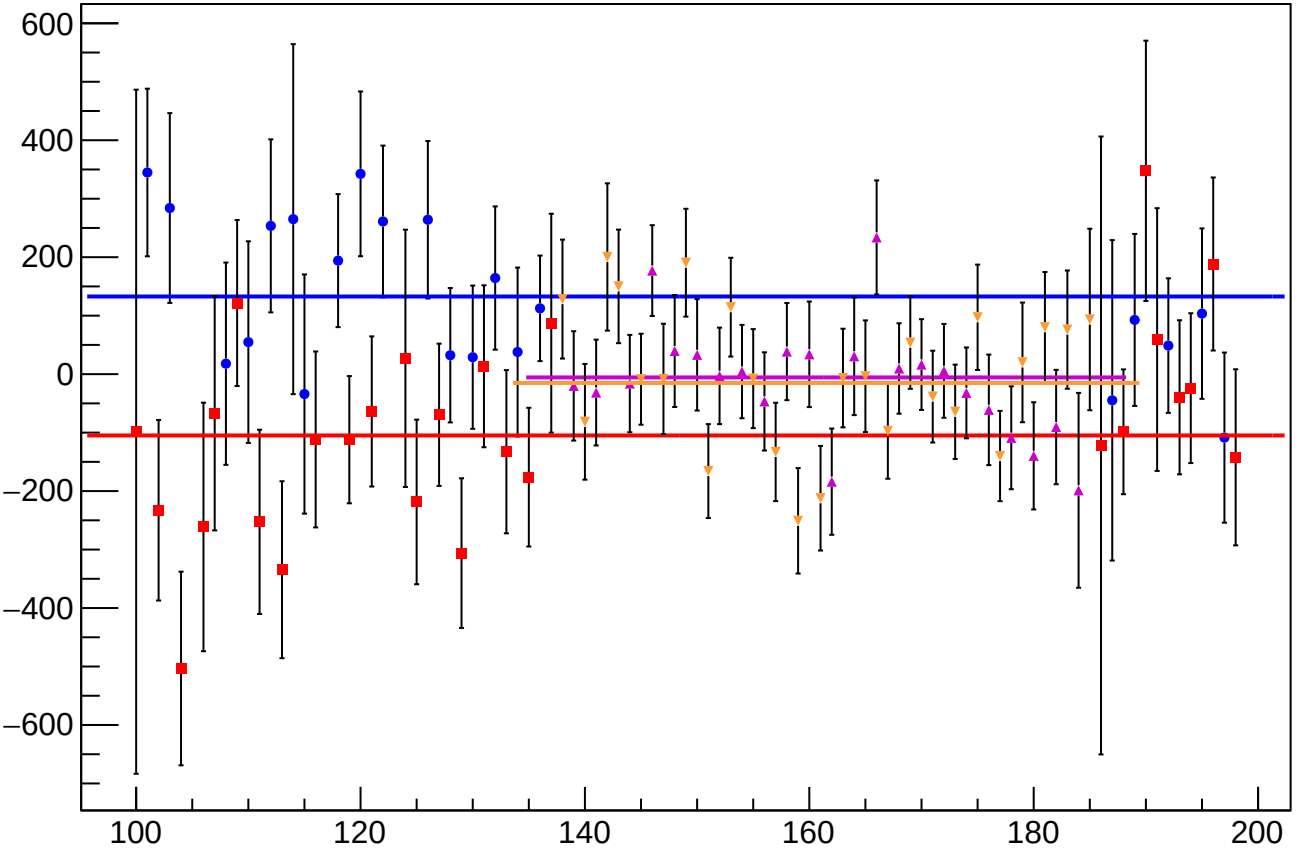
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 952.972+/-0.131 χ^2/NDF: 6520072.9/45

All: 968.466+/-0.094 χ^2/NDF: 15027852.2/95

- sign 984.878+/-0.135 χ^2/NDF: 8478895.4/49

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 132.775+/-30.347 χ^2/NDF: 15.5/20

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -104.873+/-28.942 χ^2/NDF: 27.9/26

Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 23.251+/-15.454 χ^2/NDF: 74.8/45

All: -5.336+/-10.950 χ^2/NDF: 141.0/95

- sign -34.153+/-15.516 χ^2/NDF: 59.3/49

cor_asym_sam_24_68_dd_rms vs Slug

Right In: 97.116+/-0.021 χ^2/NDF: 655609.3/20

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

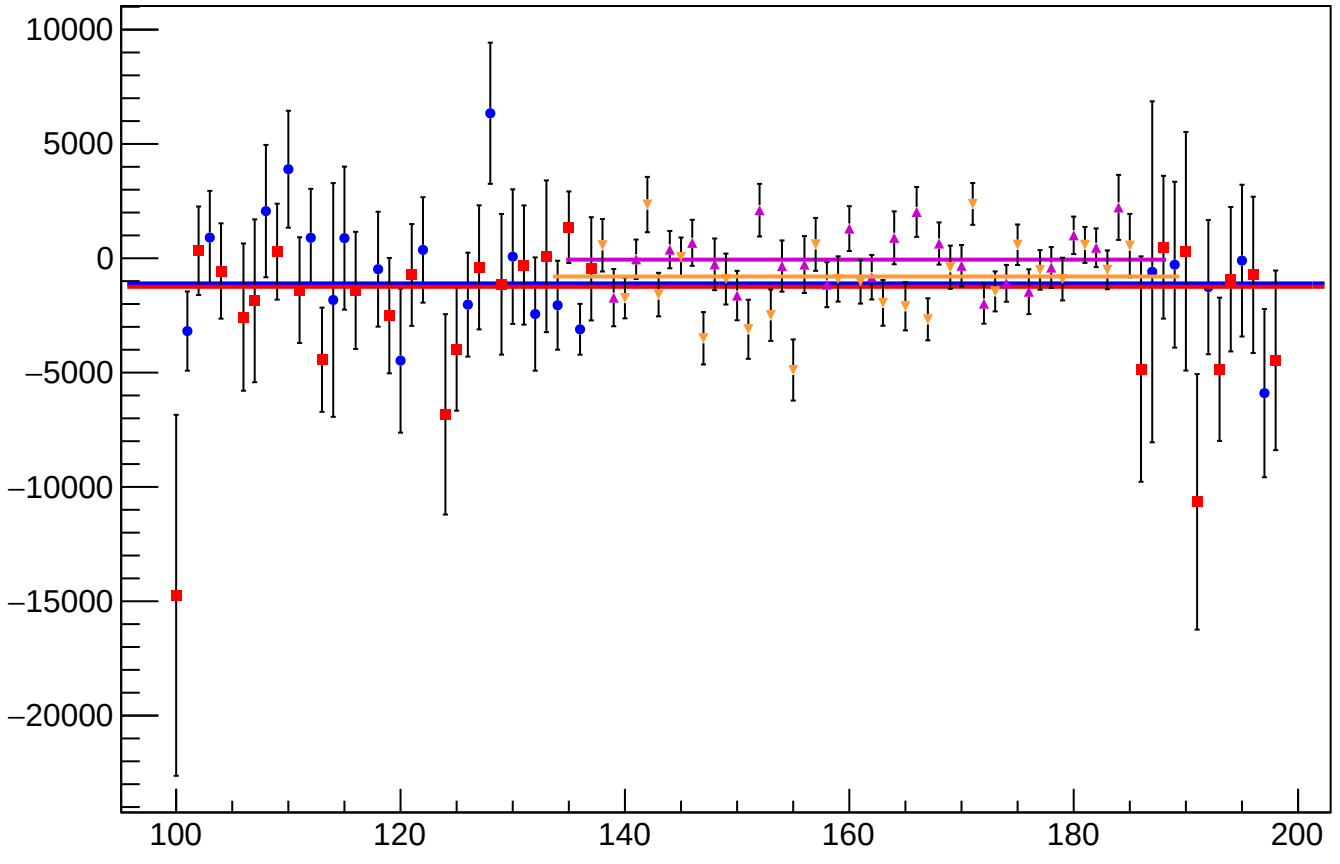
Right Out: 100.591+/-0.020 χ^2/NDF: 1140229.2/26

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.415+/-0.011 χ^2/NDF: 1513212.1/45

All: 84.071+/-0.008 χ^2/NDF: 3712657.2/95

- sign 84.732+/-0.011 χ^2/NDF: 2192215.6/49



Right In: -1099.055+/-521.427 χ^2/NDF: 22.1/20

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

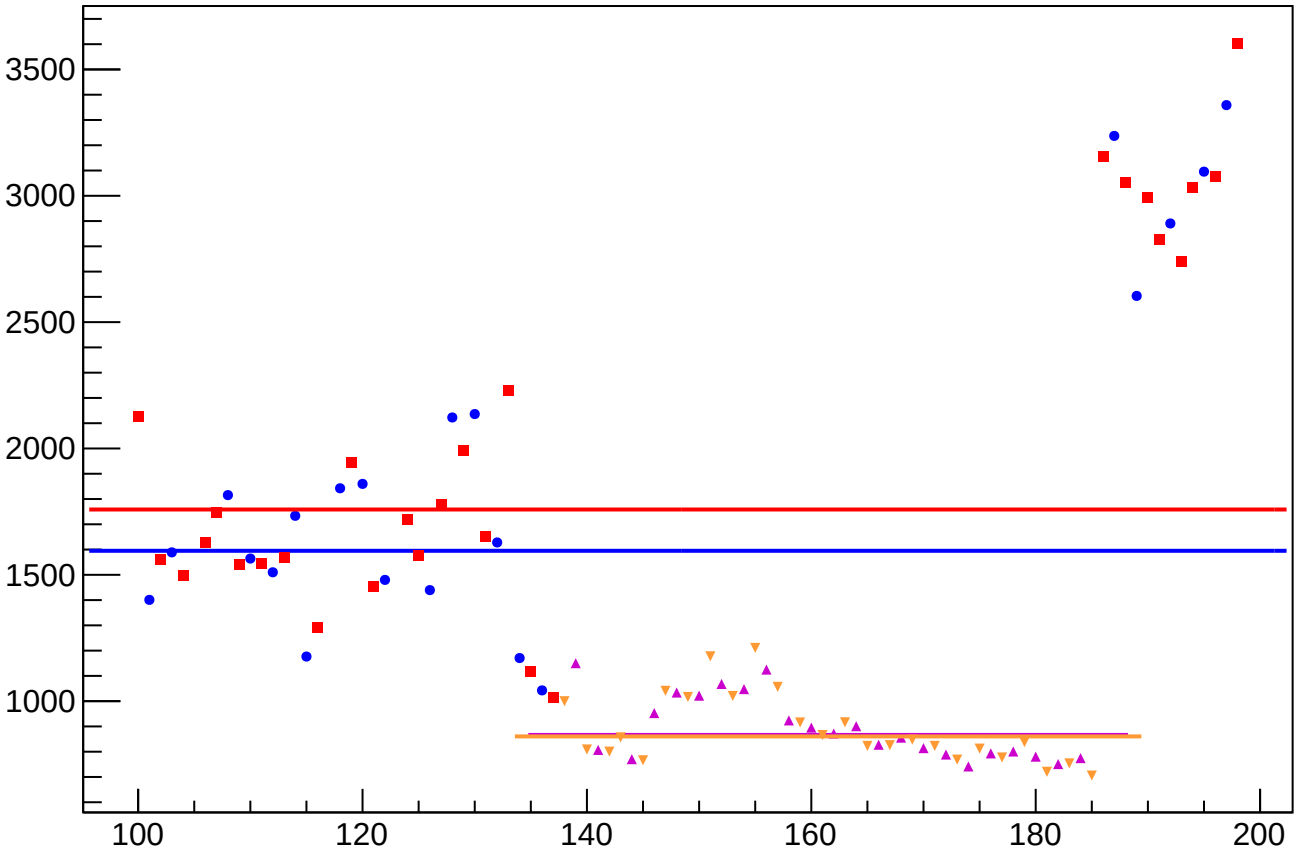
Right Out: -1246.975+/-523.746 χ^2/NDF: 18.4/26

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -835.026+/-185.009 χ^2/NDF: 81.9/45

All: -534.713+/-132.701 χ^2/NDF: 140.6/95

- sign -216.499+/-190.443 χ^2/NDF: 53.4/49



Right In: 1595.092+/-0.369 χ^2/NDF: 2351002.1/20

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1758.535+/-0.370 χ^2/NDF: 2794925.5/26

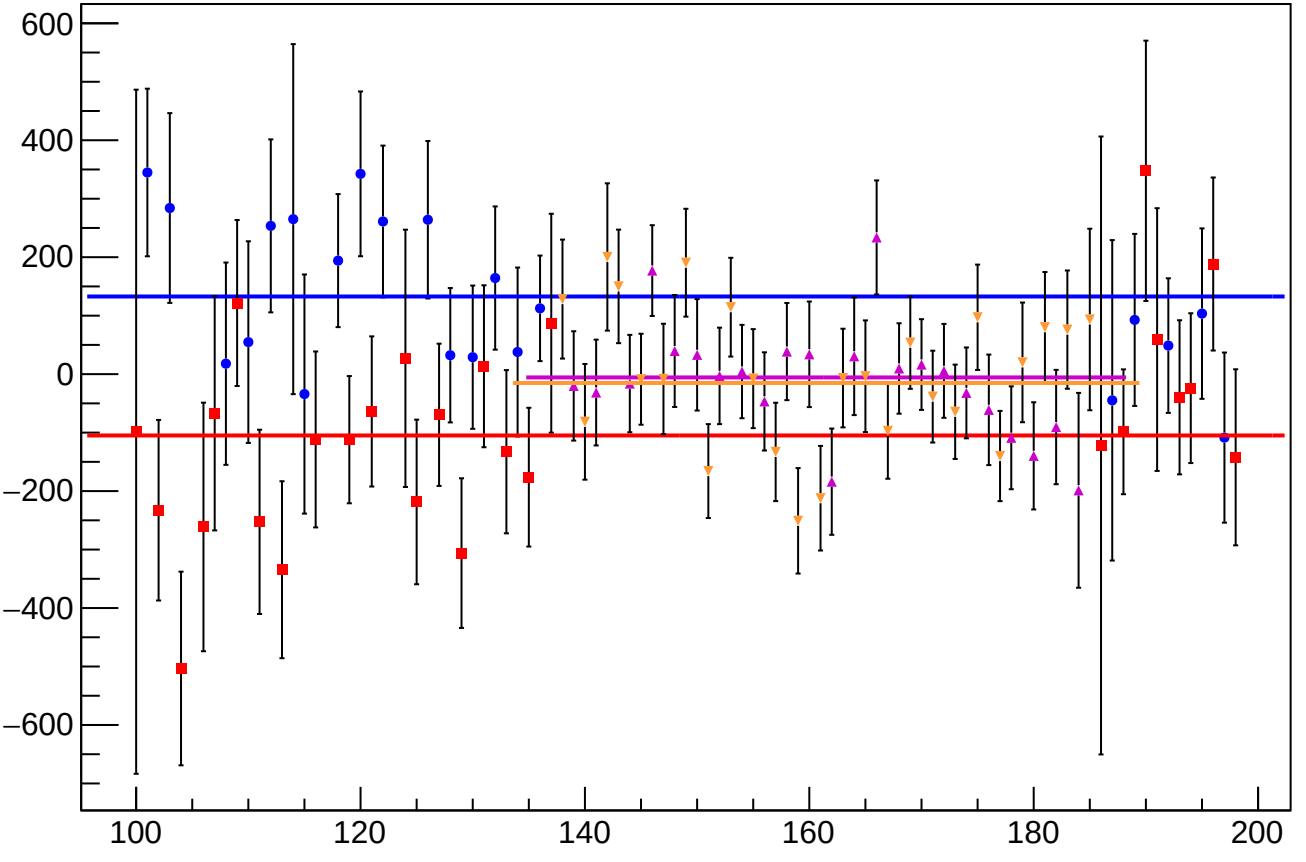
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 952.973+/-0.131 χ^2/NDF: 6520092.8/45

All: 968.190+/-0.094 χ^2/NDF: 14992389.5/95

- sign 984.314+/-0.135 χ^2/NDF: 8444429.7/49

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 132.775+/-30.347 χ^2/NDF: 15.5/20

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -104.873+/-28.942 χ^2/NDF: 27.9/26

Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 23.251+/-15.454 χ^2/NDF: 74.8/45

All: -5.336+/-10.950 χ^2/NDF: 141.0/95

- sign -34.153+/-15.516 χ^2/NDF: 59.3/49

eigen_cor_asym_sam_24_68_dd_rms vs Slug

Right In: 97.116+/-0.021 χ^2/NDF: 655609.3/20

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

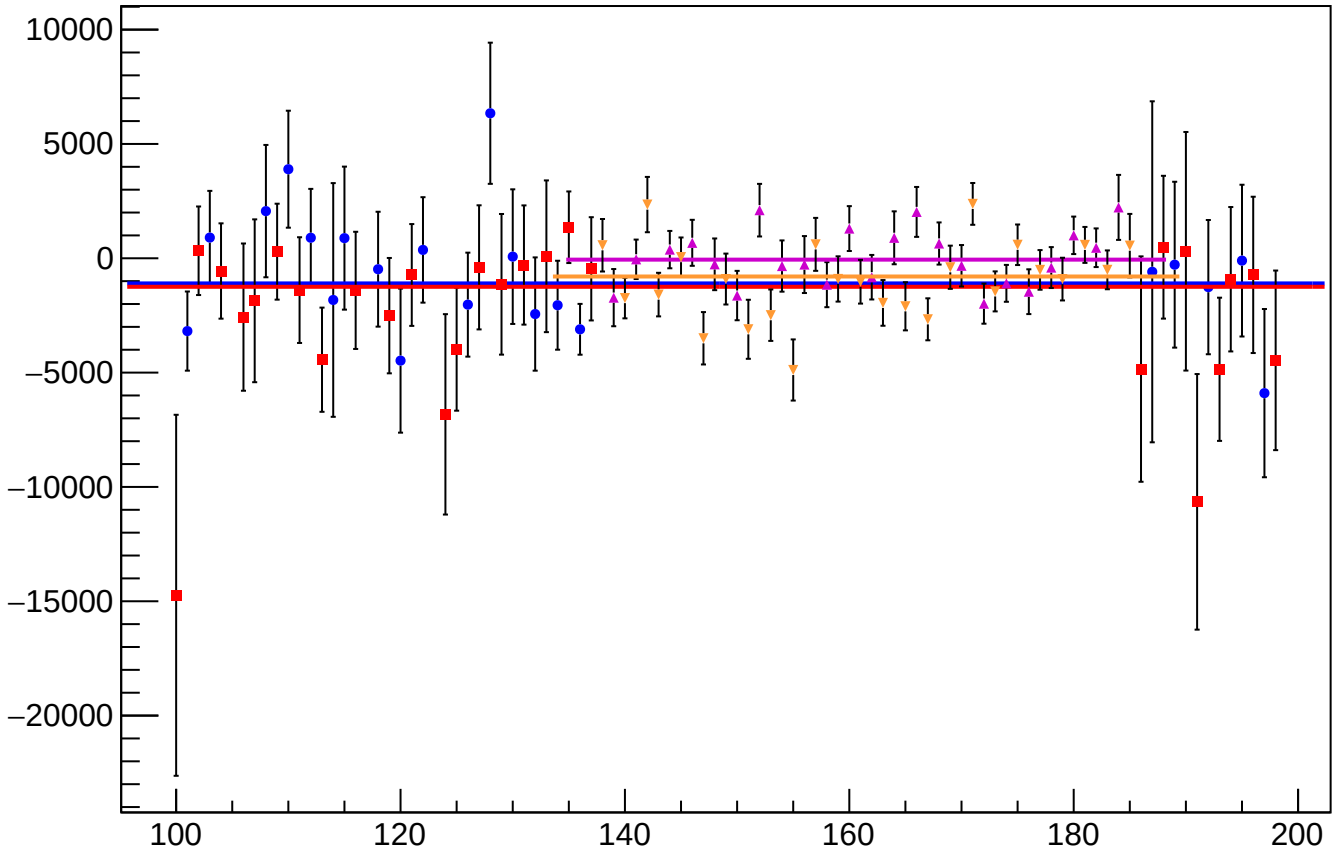
Right Out: 100.591+/-0.020 χ^2/NDF: 1140229.2/26

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.415+/-0.011 χ^2/NDF: 1513212.1/45

All: 84.071+/-0.008 χ^2/NDF: 3712657.2/95

- sign 84.732+/-0.011 χ^2/NDF: 2192215.6/49



Right In: -1099.055+/-521.427 χ^2/NDF: 22.1/20

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

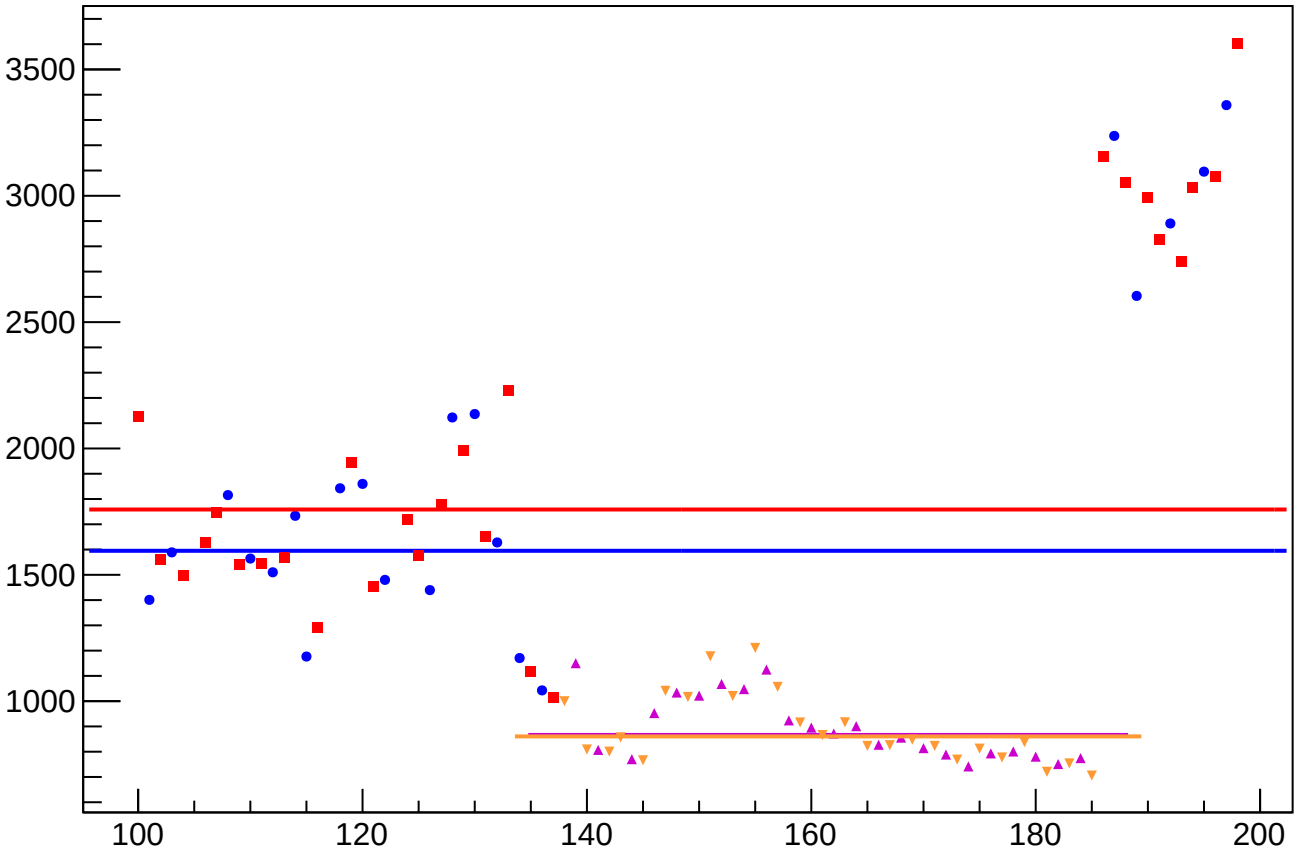
Right Out: -1246.975+/-523.746 χ^2/NDF: 18.4/26

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -835.026+/-185.009 χ^2/NDF: 81.9/45

All: -534.713+/-132.701 χ^2/NDF: 140.6/95

- sign -216.499+/-190.443 χ^2/NDF: 53.4/49



Right In: 1595.092+/-0.369 χ^2/NDF: 2351002.1/20

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1758.535+/-0.370 χ^2/NDF: 2794925.5/26

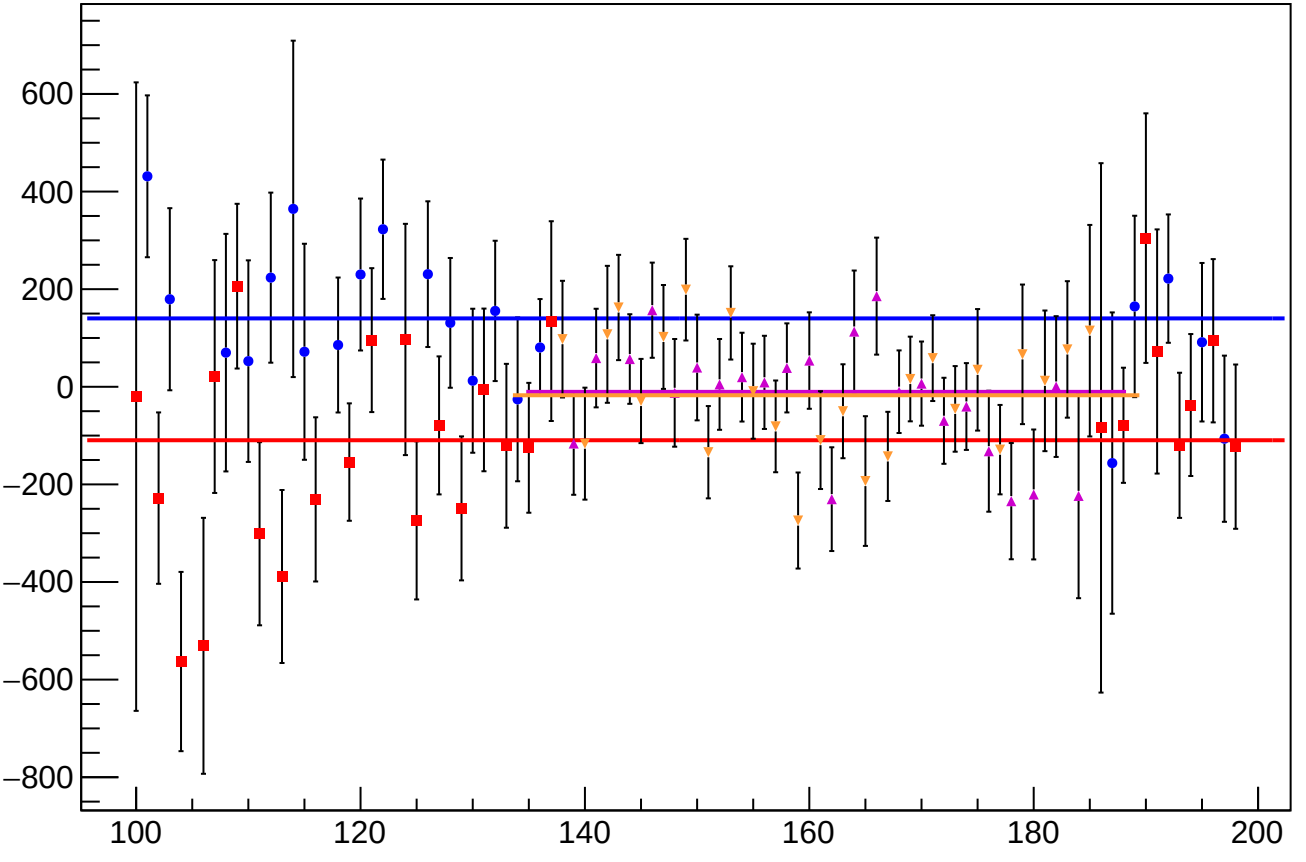
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 952.973+/-0.131 χ^2/NDF: 6520092.8/45

All: 968.190+/-0.094 χ^2/NDF: 14992389.5/95

- sign 984.314+/-0.135 χ^2/NDF: 8444429.7/49

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 140.114+/-35.086 χ^2/NDF: 12.2/20

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -109.540+/-33.037 χ^2/NDF: 28.6/26

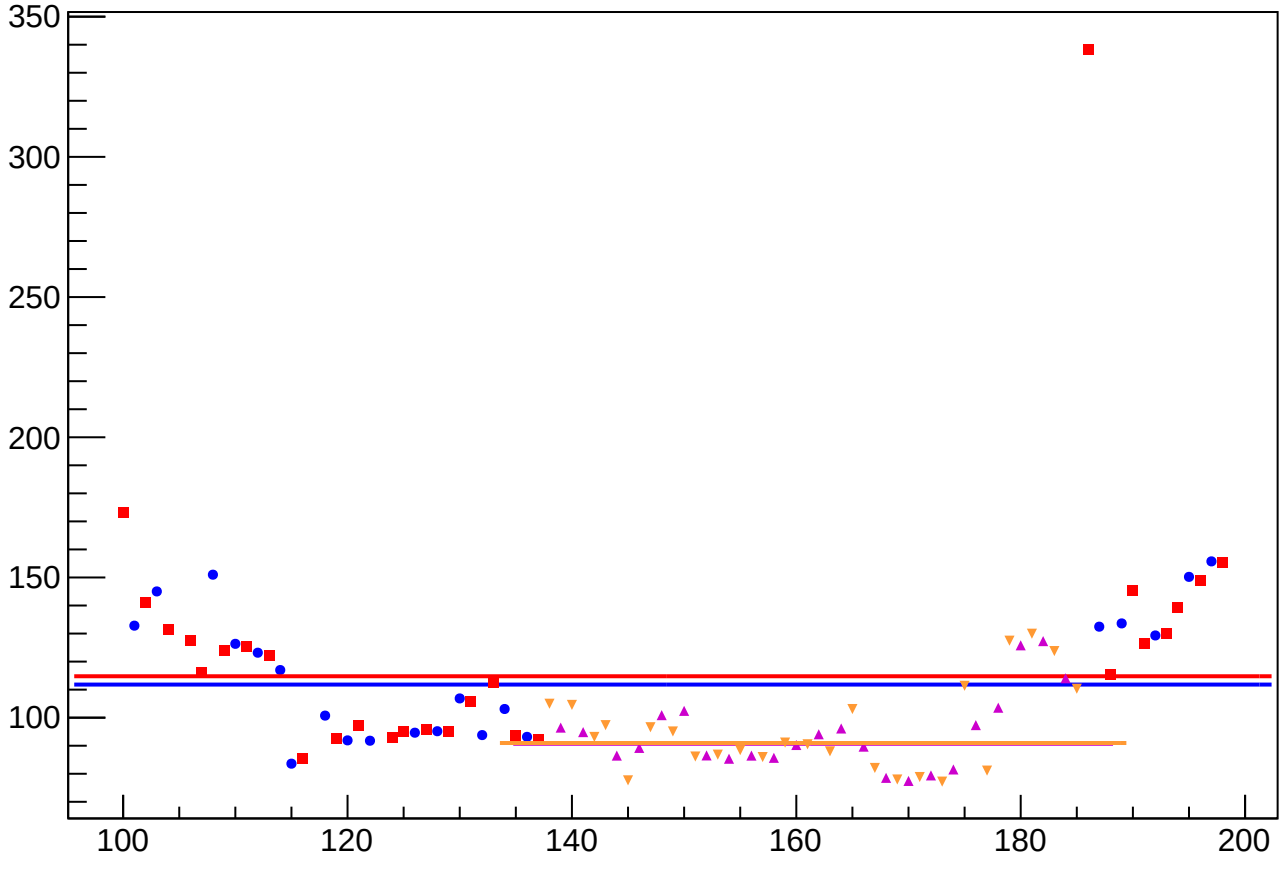
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.139+/-18.011 χ^2/NDF: 58.3/45

All: -7.866+/-12.739 χ^2/NDF: 122.1/95

- sign -39.911+/-18.022 χ^2/NDF: 57.5/49

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.807+/-0.025 χ^2/NDF: 768057.9/20

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

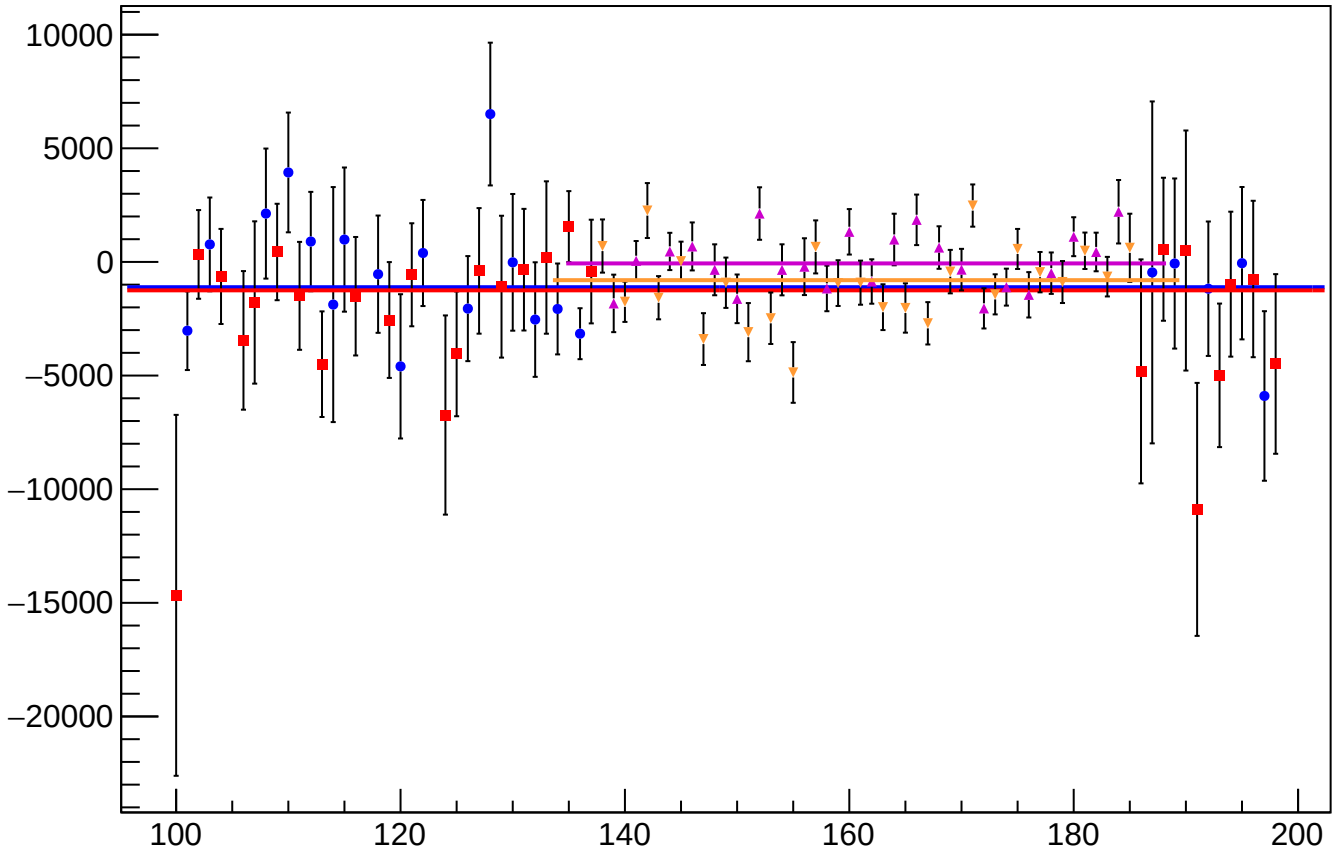
Right Out: 114.774+/-0.023 χ^2/NDF: 1103505.5/26

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 96.458+/-0.013 χ^2/NDF: 2072246.9/45

All: 97.157+/-0.009 χ^2/NDF: 4474321.8/95

- sign 97.857+/-0.013 χ^2/NDF: 2396048.7/49



Right In: -1112.658+/-528.519 χ^2/NDF: 21.9/20

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1250.014+/-528.450 χ^2/NDF: 19.5/26

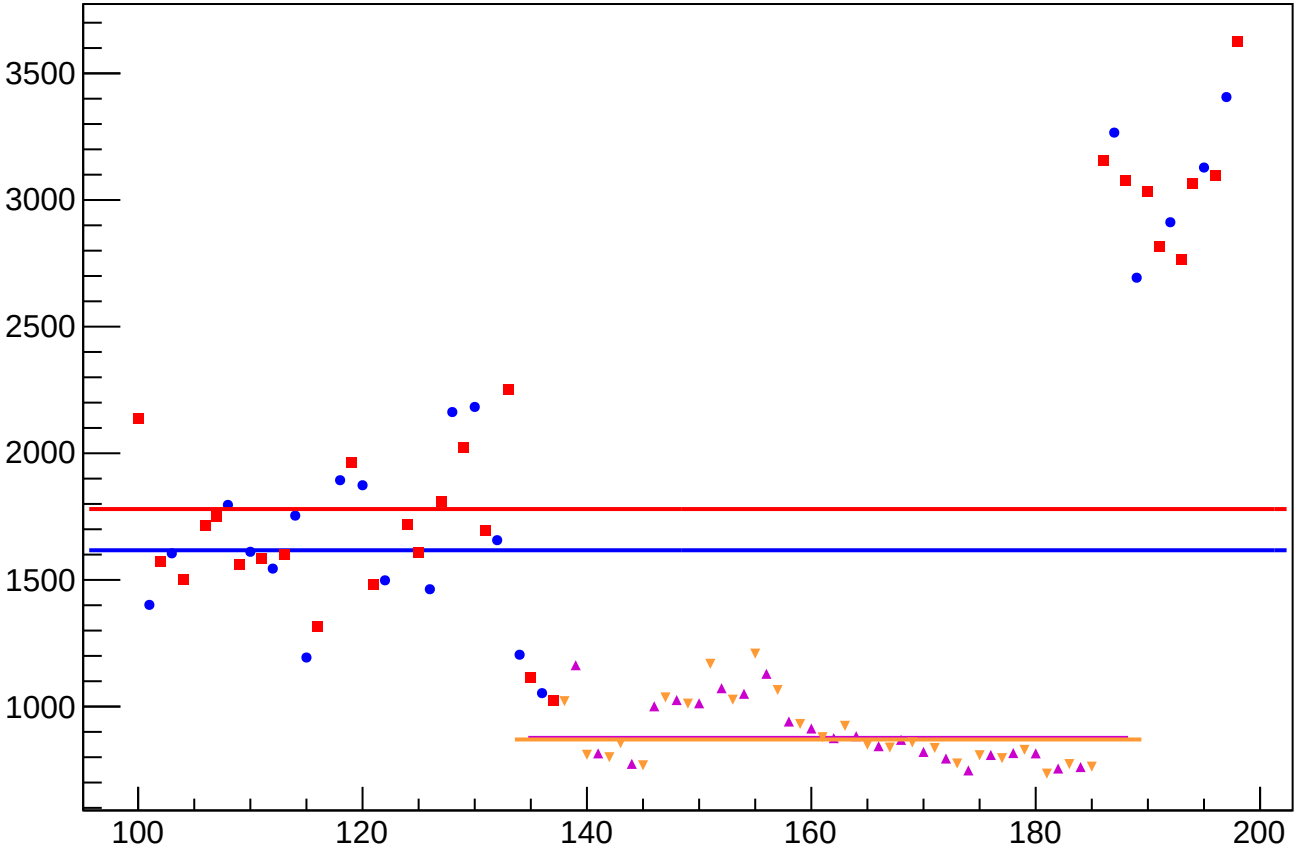
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -841.328+/-186.933 χ^2/NDF: 80.5/45

All: -540.912+/-134.100 χ^2/NDF: 140.4/95

- sign -222.401+/-192.480 χ^2/NDF: 54.6/49

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1617.082+/-0.374 χ^2/NDF: 2362430.5/20

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1779.800+/-0.374 χ^2/NDF: 2788615.6/26

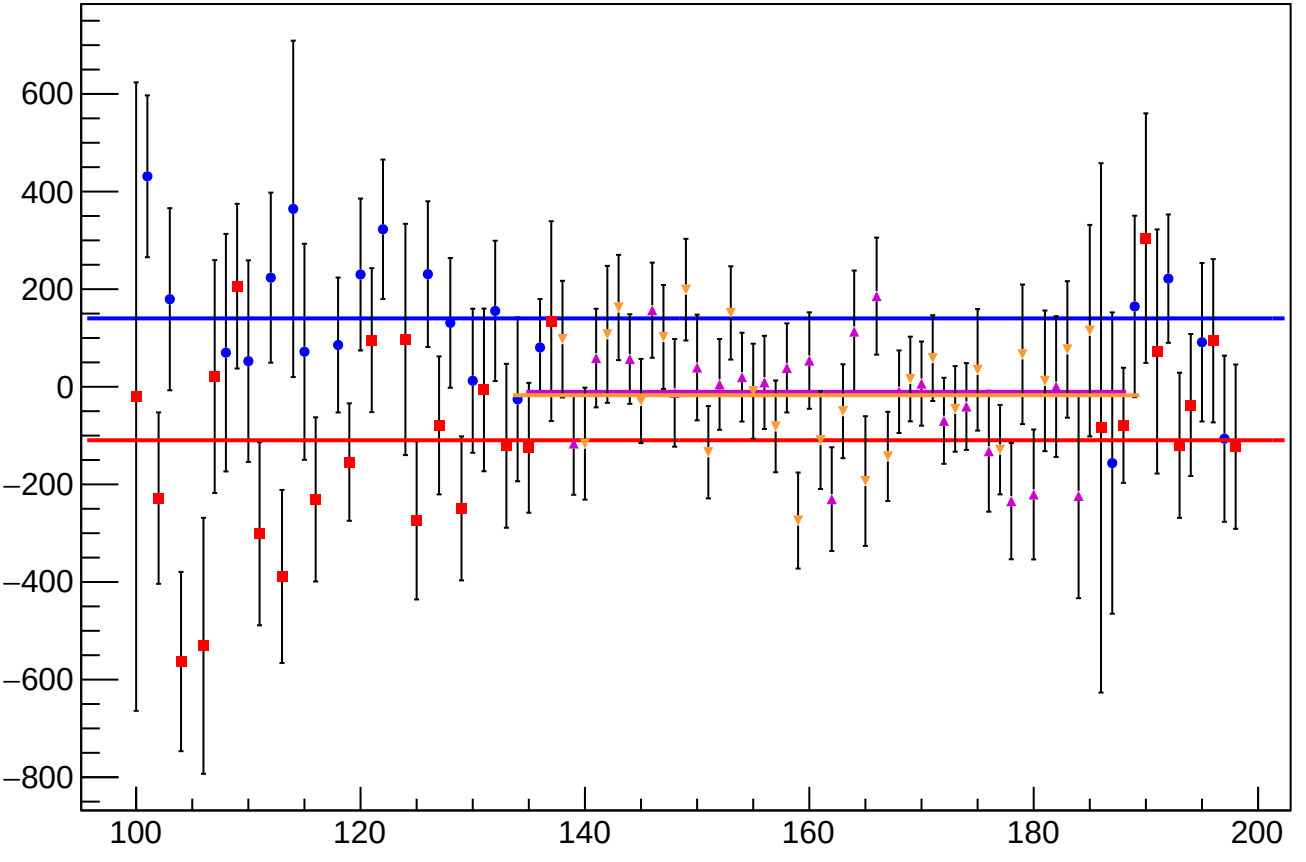
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 963.466+/-0.132 χ^2/NDF: 6505892.0/45

All: 979.326+/-0.095 χ^2/NDF: 14992322.1/95

- sign 996.141+/-0.136 χ^2/NDF: 8456769.7/49

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 140.116+/-35.085 χ^2/NDF: 12.2/20

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -109.540+/-33.037 χ^2/NDF: 28.6/26

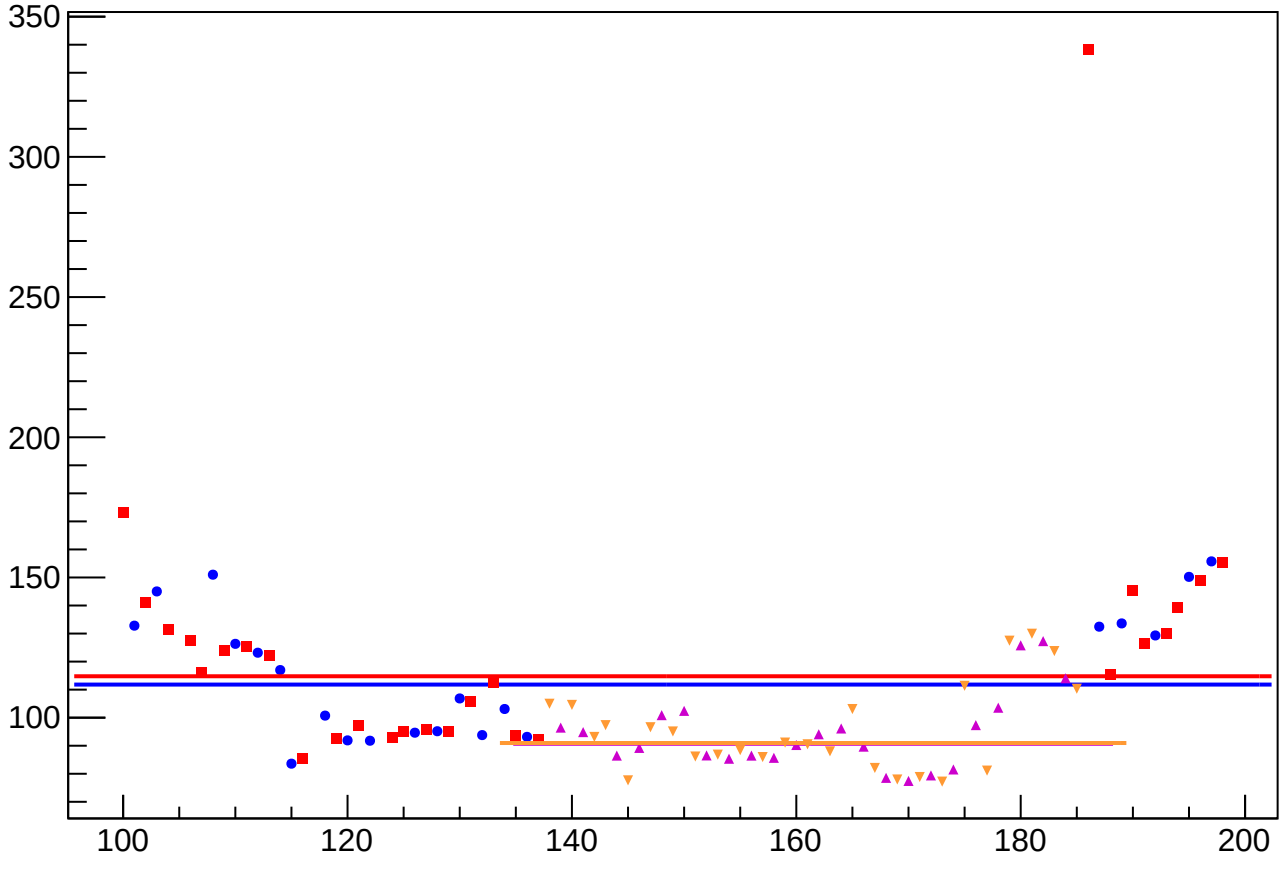
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.140+/-18.011 χ^2/NDF: 58.3/45

All: -7.865+/-12.739 χ^2/NDF: 122.1/95

- sign -39.911+/-18.022 χ^2/NDF: 57.5/49

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.806+/-0.025 χ^2/NDF: 768076.7/20

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

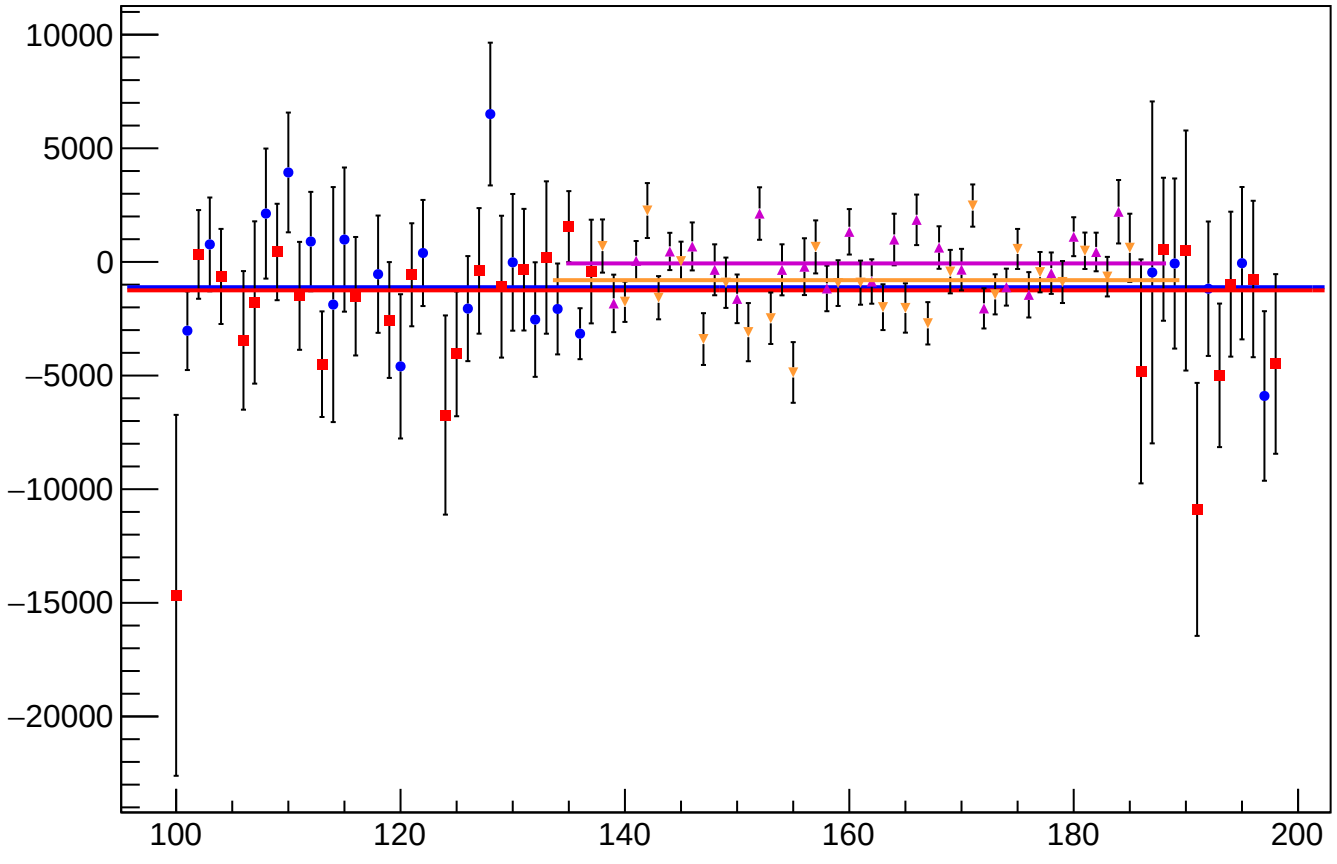
Right Out: 114.773+/-0.023 χ^2/NDF: 1103520.0/26

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 96.458+/-0.013 χ^2/NDF: 2072225.1/45

All: 97.157+/-0.009 χ^2/NDF: 4474272.1/95

- sign 97.857+/-0.013 χ^2/NDF: 2396021.1/49



Right In: -1112.654+/-528.518 χ^2/NDF: 21.9/20

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

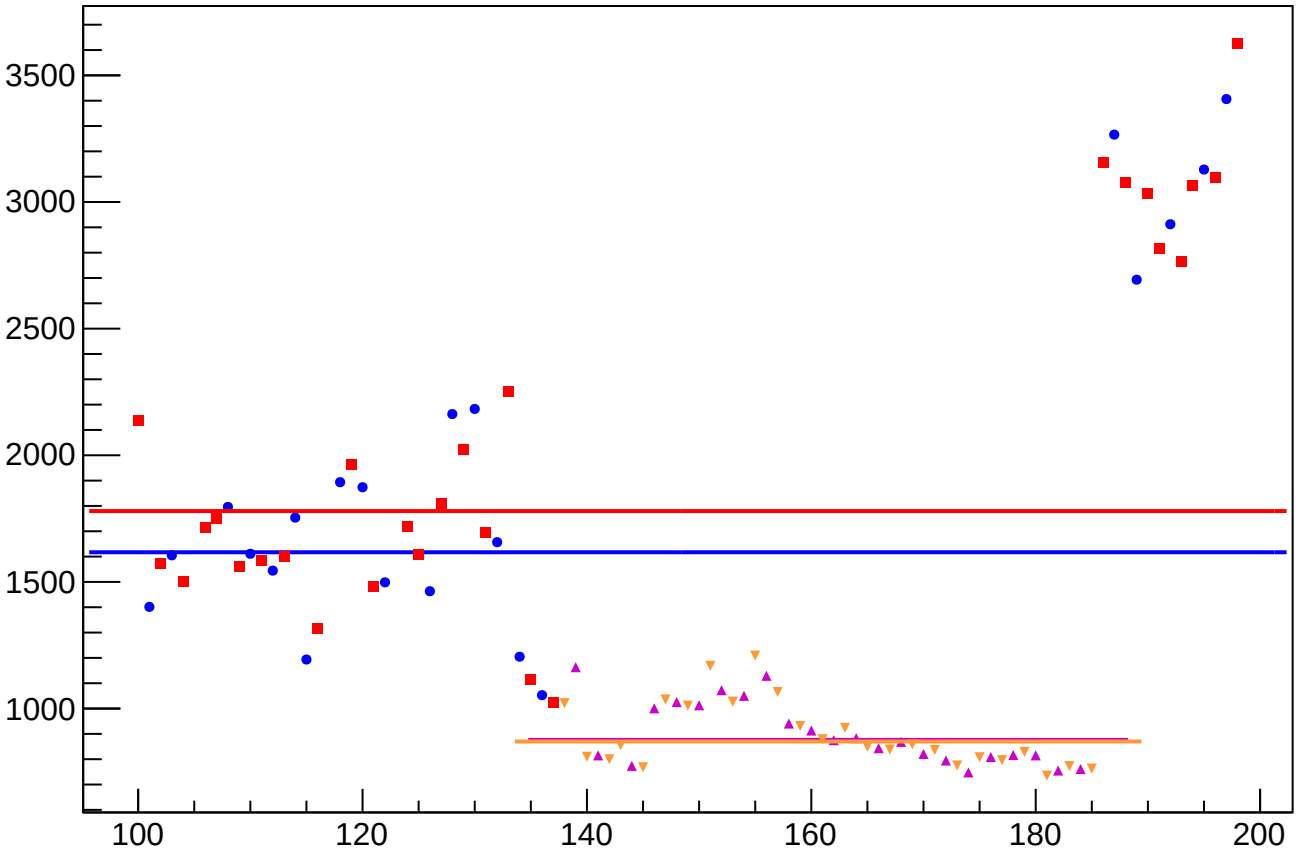
Right Out: -1250.013+/-528.450 χ^2/NDF: 19.5/26

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

\+ sign -841.327+/-186.933 χ^2/NDF: 80.5/45

All: -540.911+/-134.100 χ^2/NDF: 140.4/95

\- sign -222.401+/-192.480 χ^2/NDF: 54.6/49



Right In: 1617.079+/-0.374 χ^2/NDF: 2362432.0/20

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1779.797+/-0.374 χ^2/NDF: 2788622.7/26

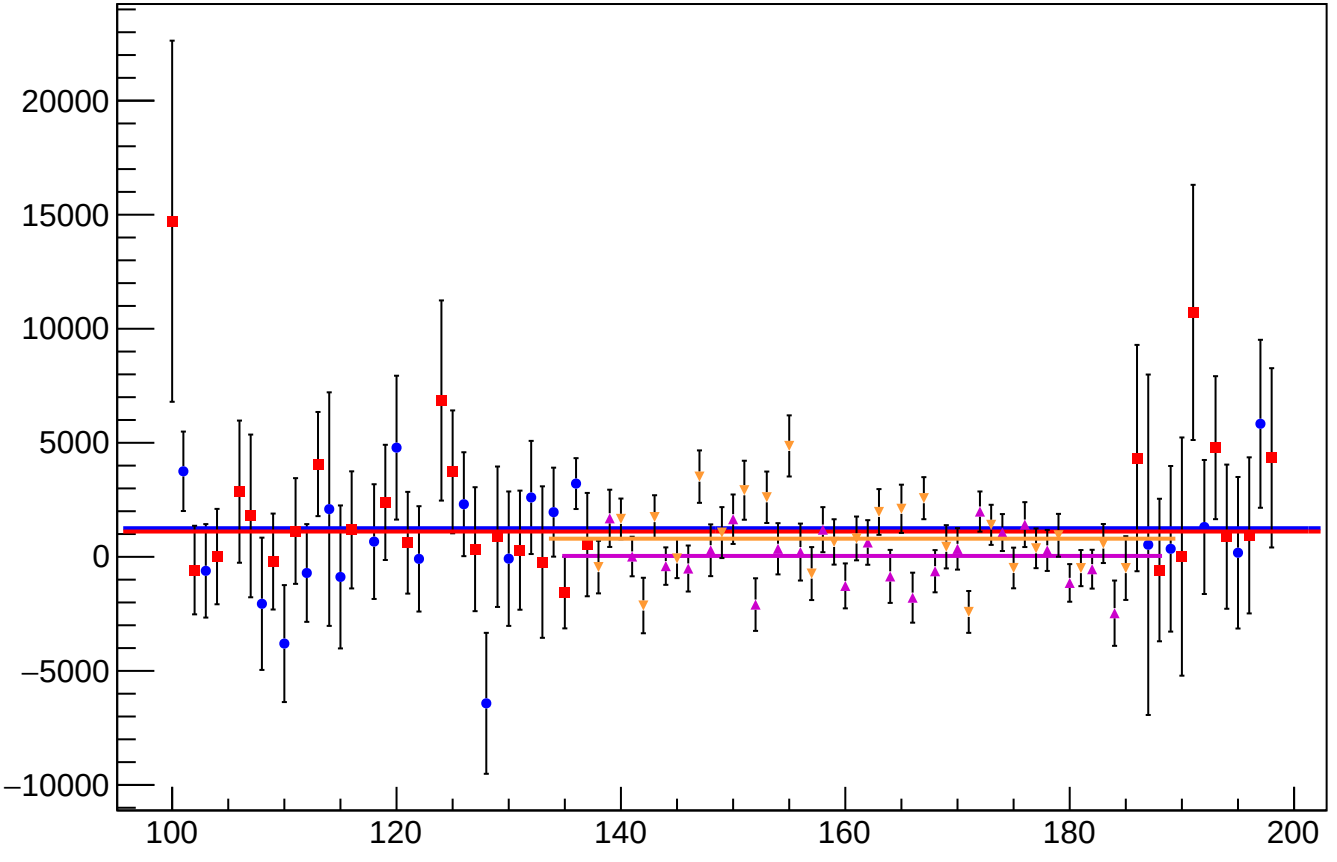
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 963.465+/-0.132 χ^2/NDF: 6505886.3/45

All: 979.325+/-0.095 χ^2/NDF: 14992311.8/95

- sign 996.140+/-0.136 χ^2/NDF: 8456765.4/49

asym_sam_24_68_dd_mean vs Slug



Right In: 1254.909+/-522.767 χ^2/NDF: 22.9/20

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1110.114+/-524.329 χ^2/NDF: 18.5/26

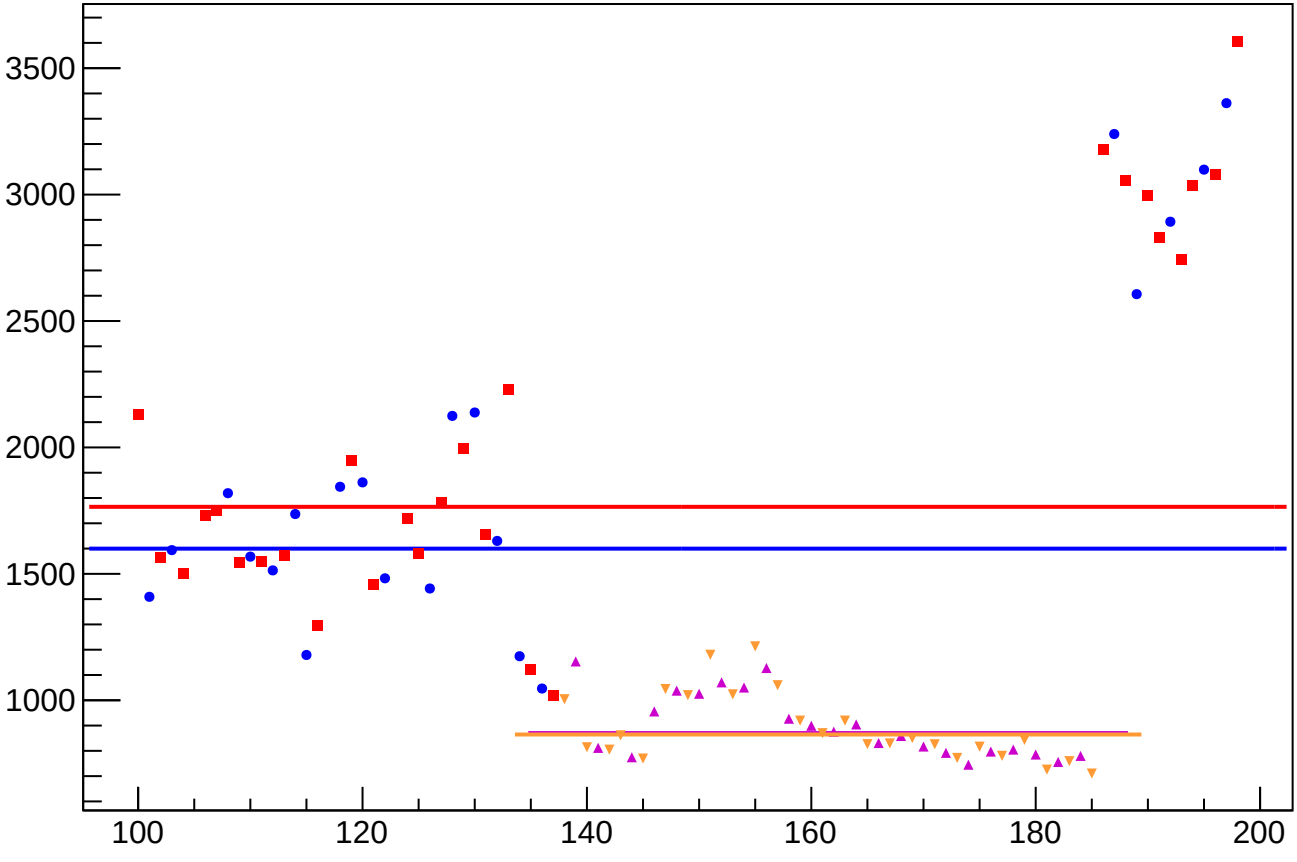
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 854.232+/-185.819 χ^2/NDF: 80.7/45

All: 527.766+/-133.258 χ^2/NDF: 138.9/95

- sign 182.090+/-191.208 χ^2/NDF: 51.8/49

asym_sam_24_68_dd_rms vs Slug



Right In: 1599.748+/-0.370 χ^2/NDF: 2339095.4/20

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

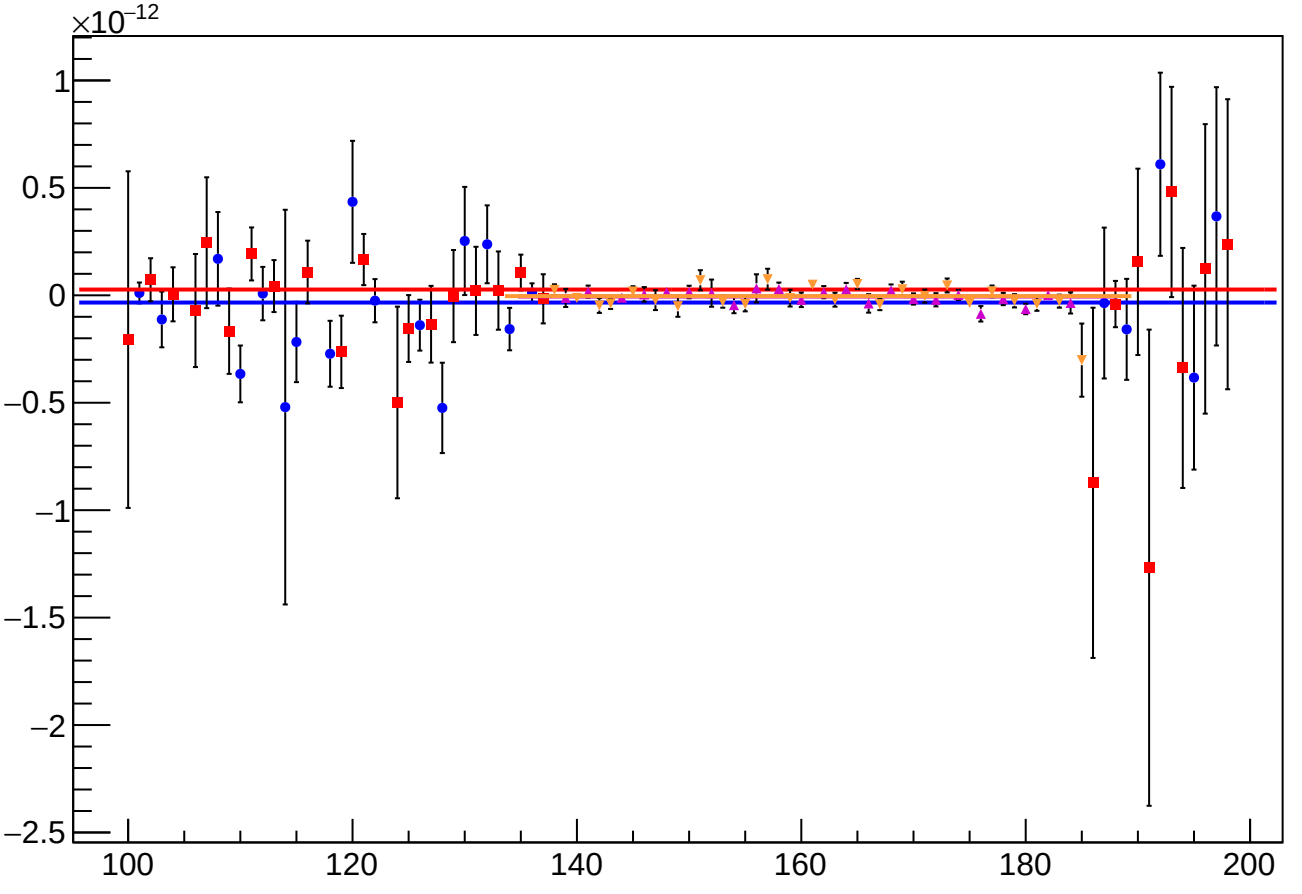
Right Out: 1765.100+/-0.371 χ^2/NDF: 2783265.3/26

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 957.516+/-0.131 χ^2/NDF: 6483127.6/45

All: 972.971+/-0.094 χ^2/NDF: 14948993.1/95

- sign 989.336+/-0.135 χ^2/NDF: 8437379.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

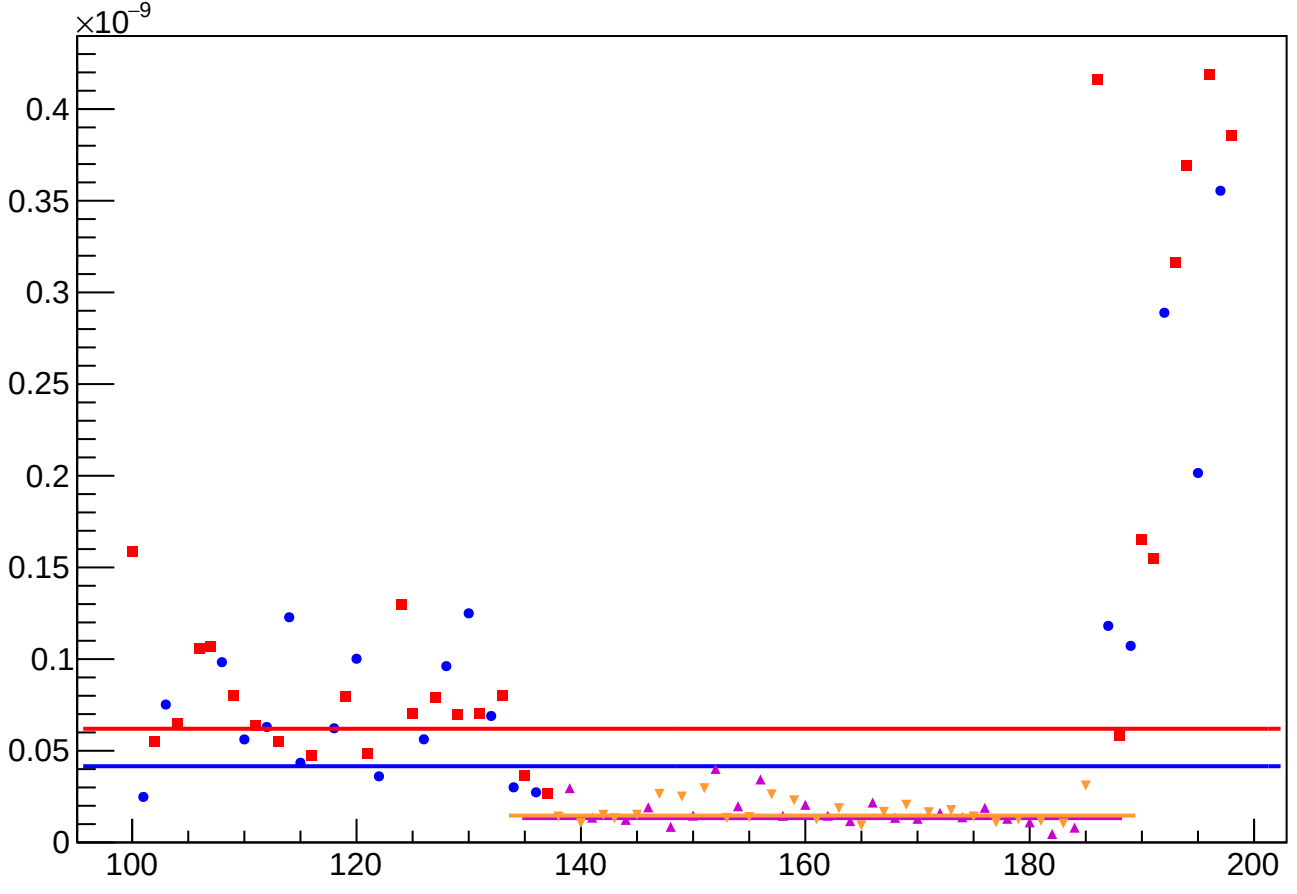
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/26

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.2/45

All: -0.000+/-0.000 χ^2/NDF: 110.3/95

- sign -0.000+/-0.000 χ^2/NDF: 39.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 3161734.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3377690.9/26

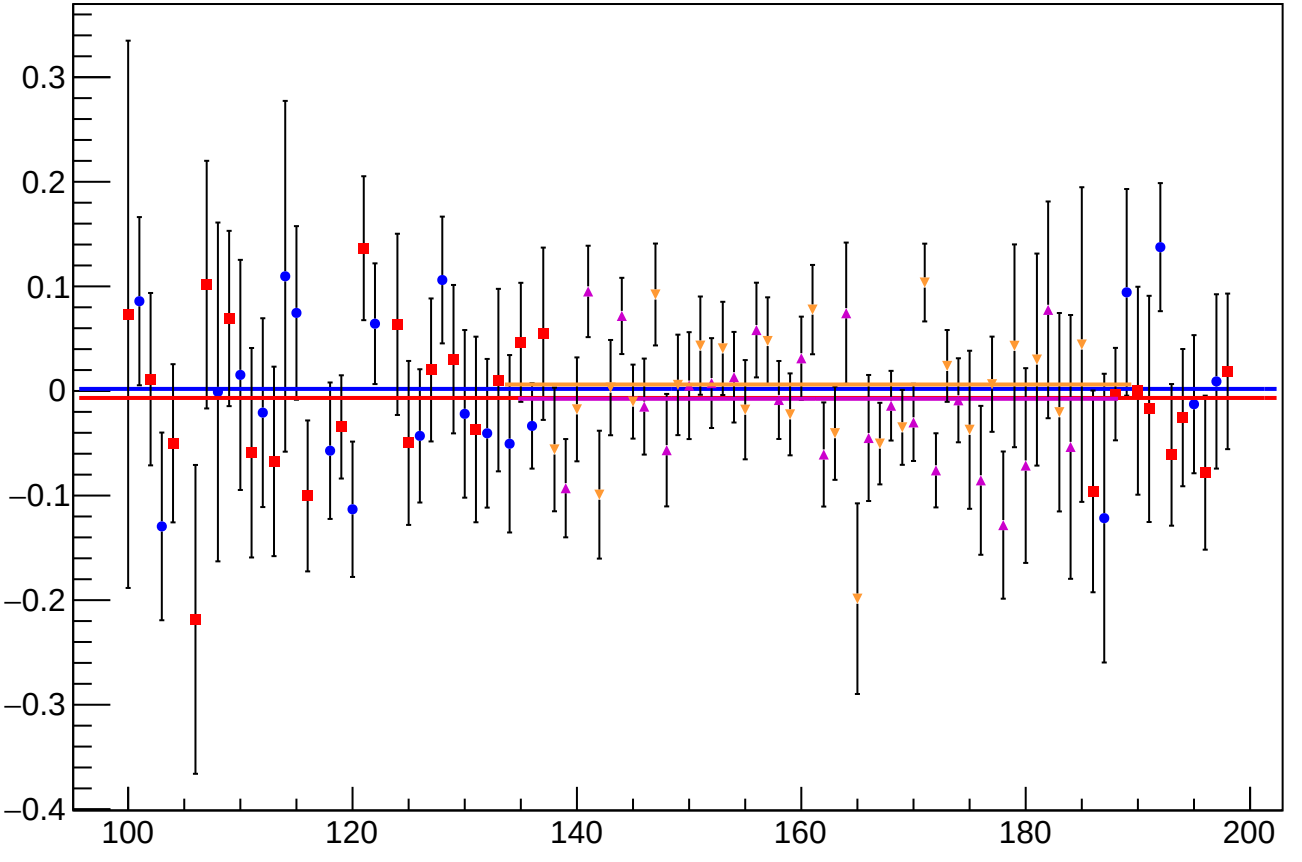
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6471299.0/45

All: 0.000+/-0.000 χ^2/NDF: 16367900.1/95

- sign 0.000+/-0.000 χ^2/NDF: 9852579.3/49

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.007+/-0.015 χ^2/NDF: 16.9/26

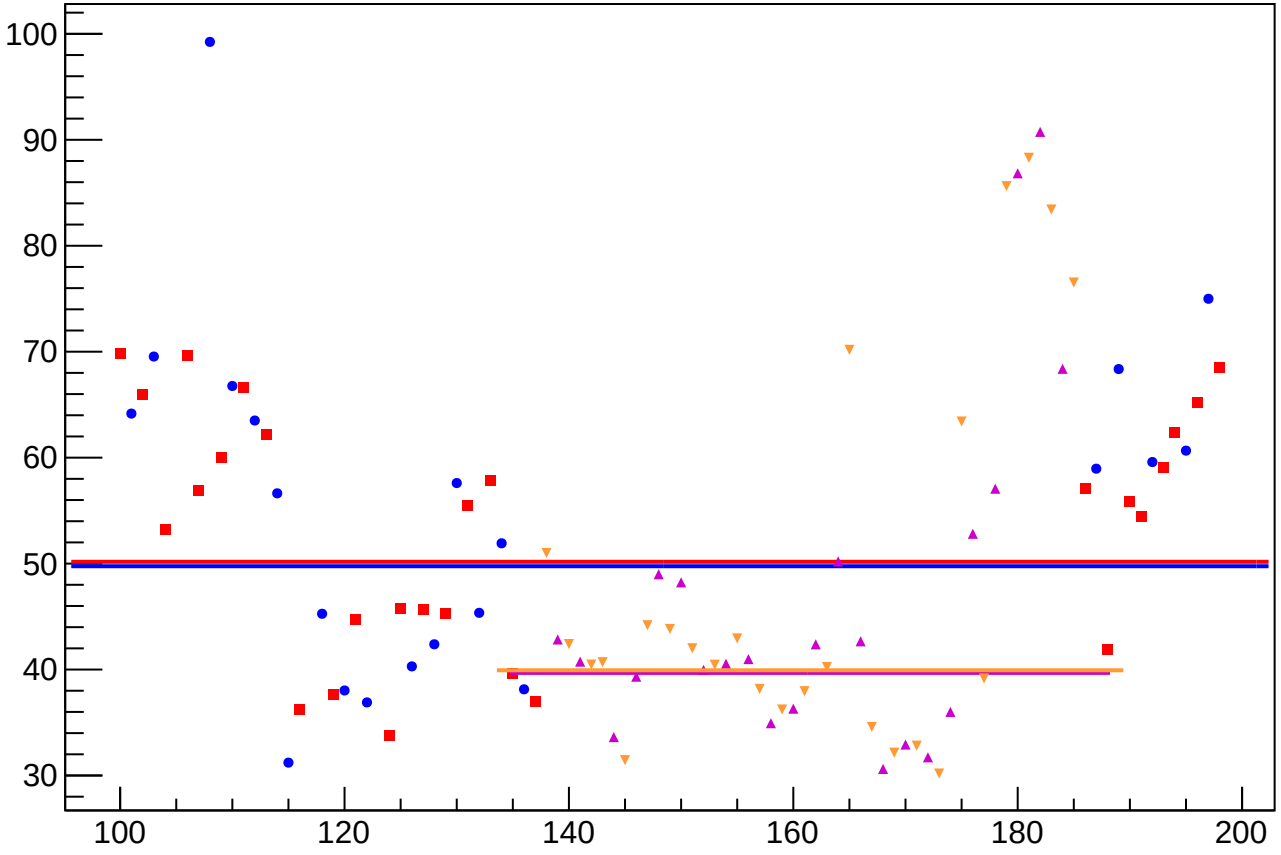
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/45

All: -0.001+/-0.006 χ^2/NDF: 100.6/95

- sign -0.007+/-0.008 χ^2/NDF: 47.3/49

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.751+/-0.011 χ^2/NDF: 1353384.0/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

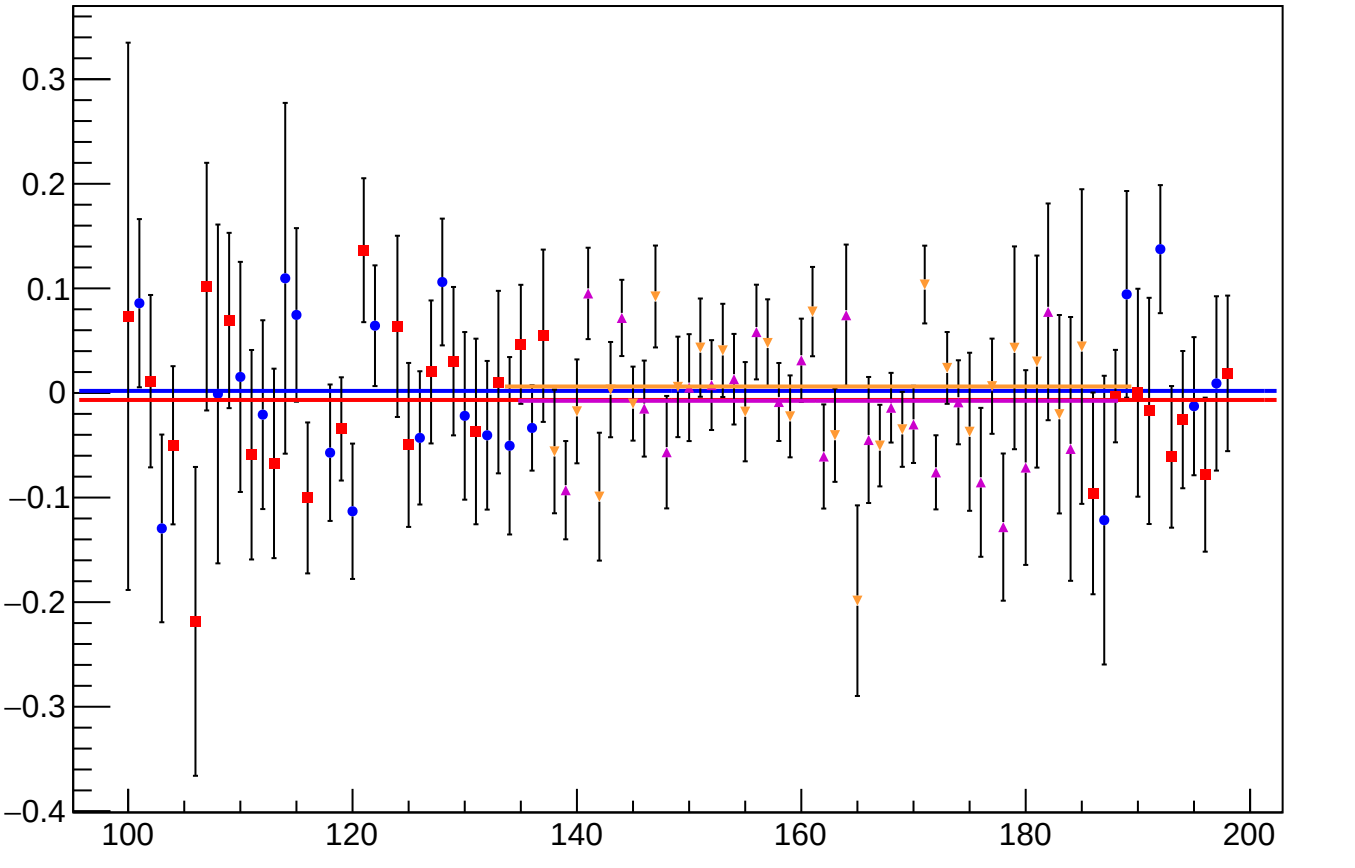
Right Out: 50.171+/-0.010 χ^2/NDF: 1097501.3/26

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 42.508+/-0.006 χ^2/NDF: 4381484.1/45

All: 42.718+/-0.004 χ^2/NDF: 8108162.5/95

- sign 42.924+/-0.006 χ^2/NDF: 3724085.1/49



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

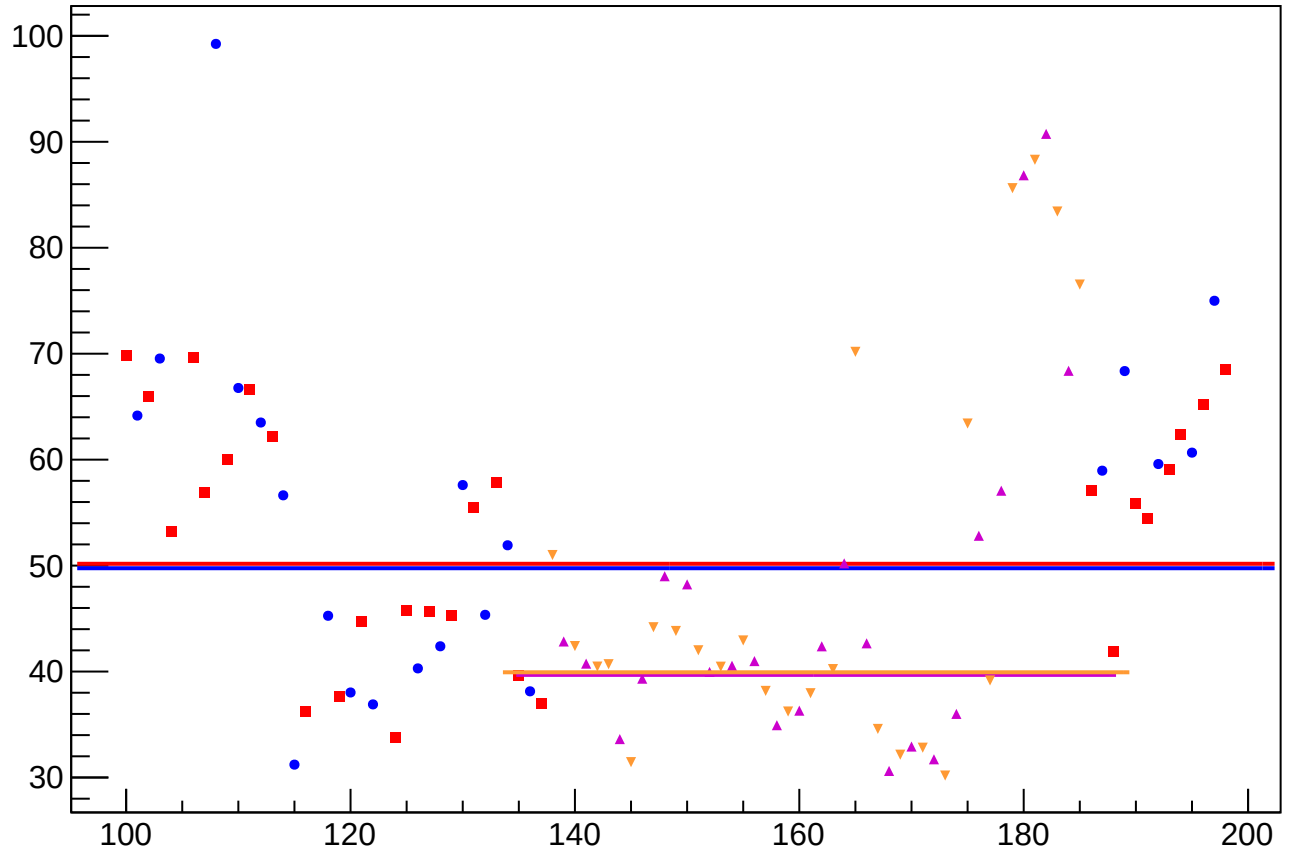
Right Out: -0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/45

All: -0.001+/-0.006 χ^2/NDF: 100.6/95

- sign -0.007+/-0.008 χ^2/NDF: 47.3/49



Right In: 49.751+/-0.011 χ^2/NDF: 1353384.0/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

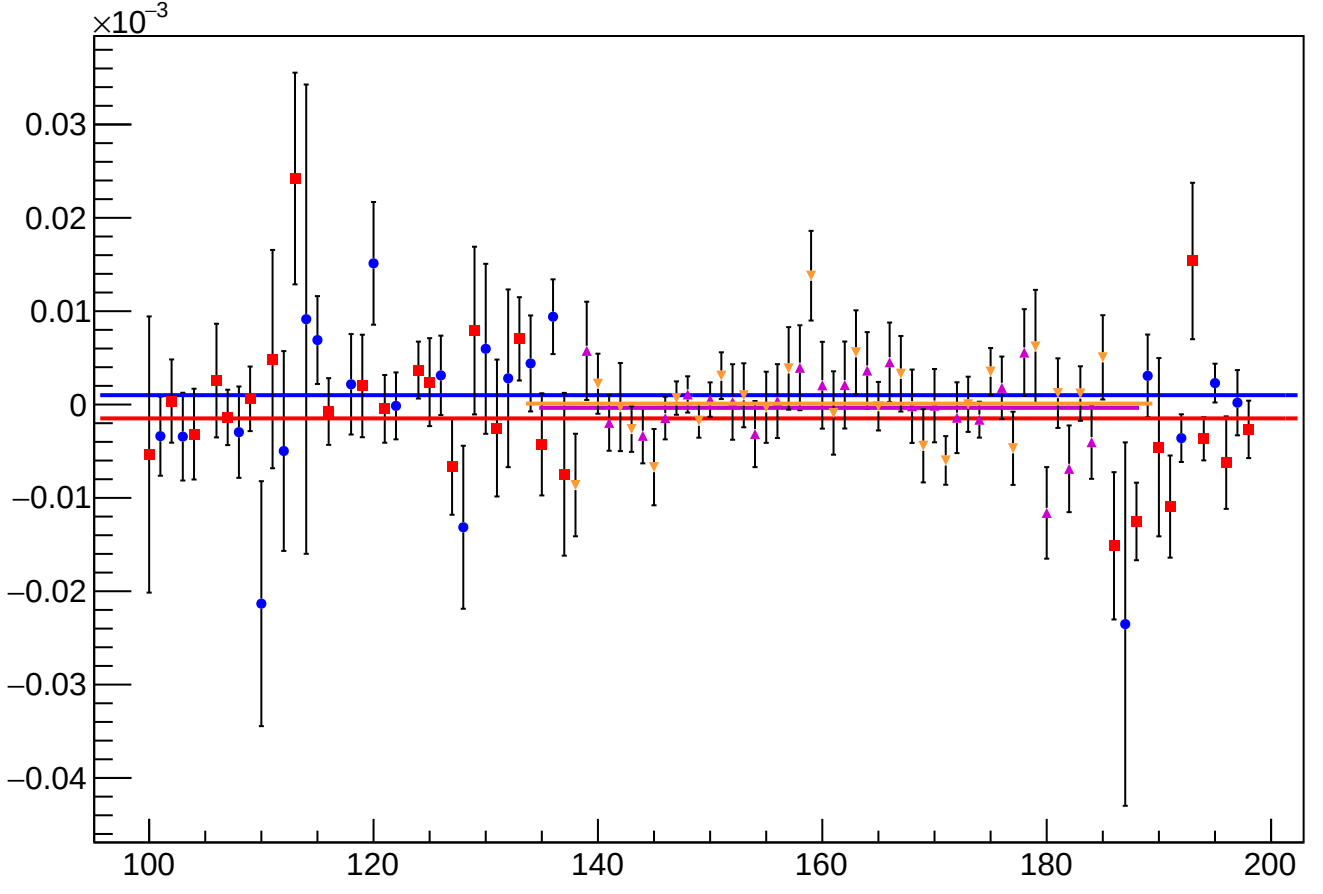
Right Out: 50.171+/-0.010 χ^2/NDF: 1097501.3/26

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 42.508+/-0.006 χ^2/NDF: 4381484.1/45

All: 42.718+/-0.004 χ^2/NDF: 8108162.5/95

- sign 42.924+/-0.006 χ^2/NDF: 3724085.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

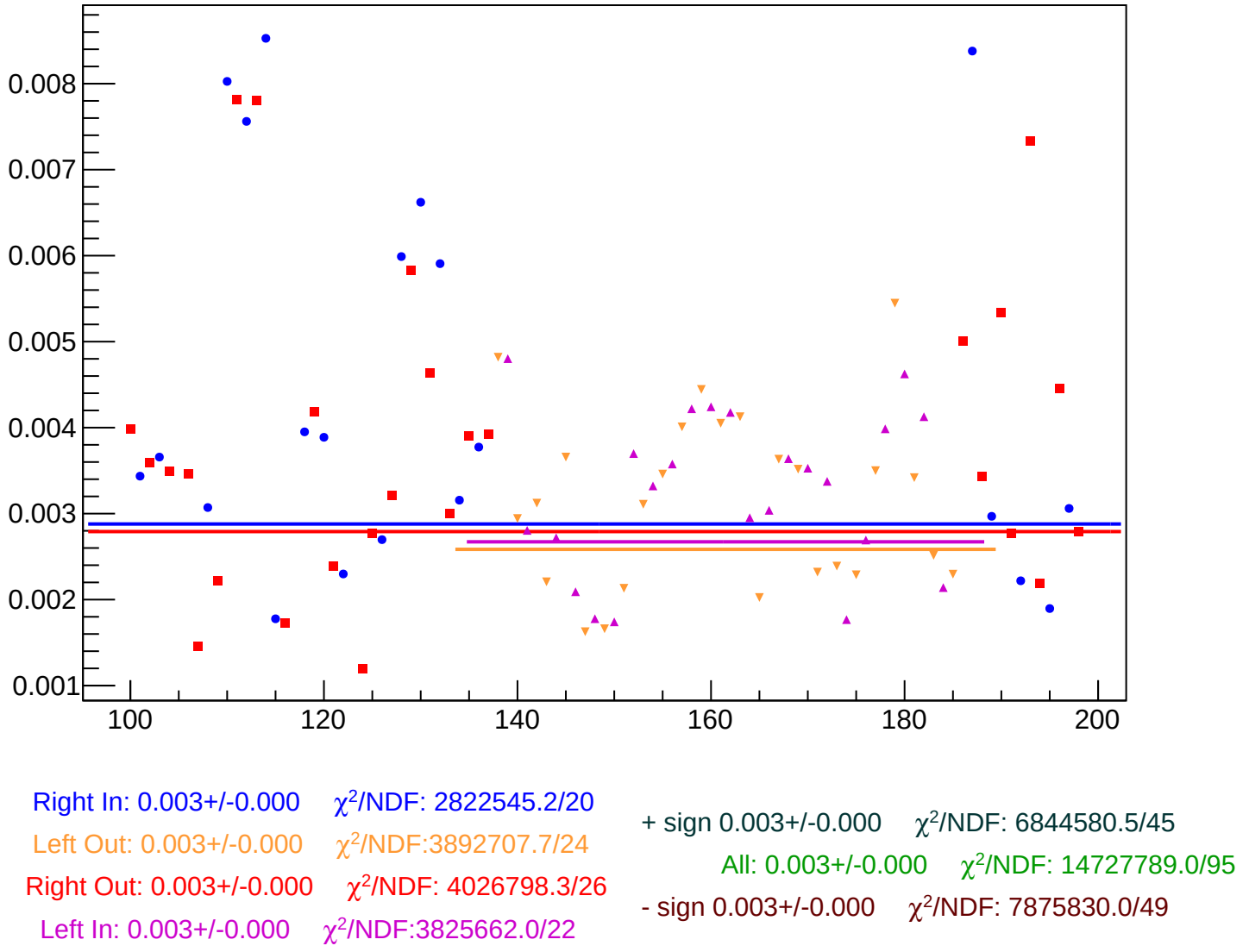
Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/26

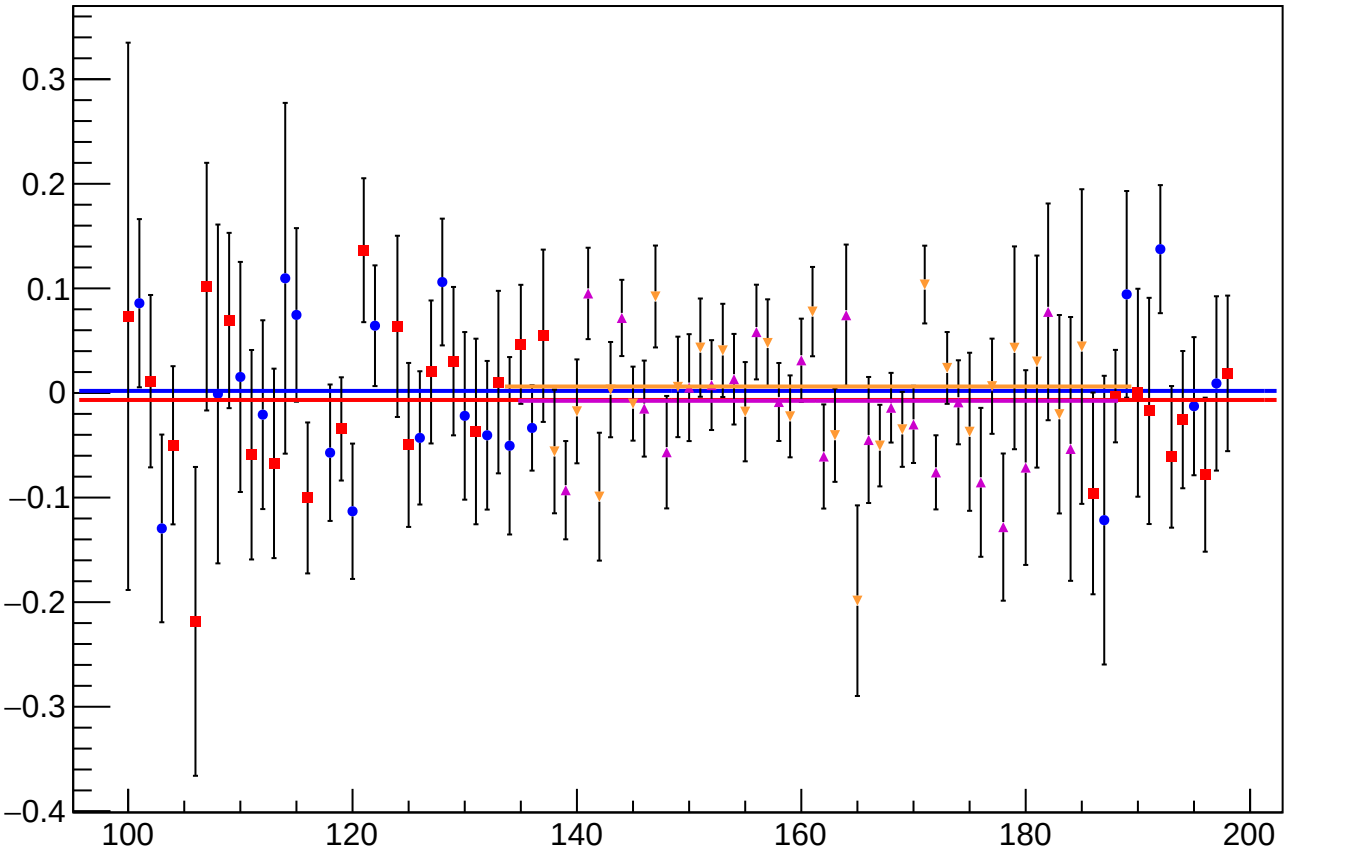
Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.6/45

All: -0.000+/-0.000 χ^2/NDF: 118.0/95

- sign -0.000+/-0.000 χ^2/NDF: 56.1/49


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 2822545.2/20
Left Out: 0.003+/-0.000 χ²/NDF:3892707.7/24
Right Out: 0.003+/-0.000 χ²/NDF: 4026798.3/26
Left In: 0.003+/-0.000 χ²/NDF:3825662.0/22
+ sign 0.003+/-0.000 χ²/NDF: 6844580.5/45
All: 0.003+/-0.000 χ²/NDF: 14727789.0/95
- sign 0.003+/-0.000 χ²/NDF: 7875830.0/49



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

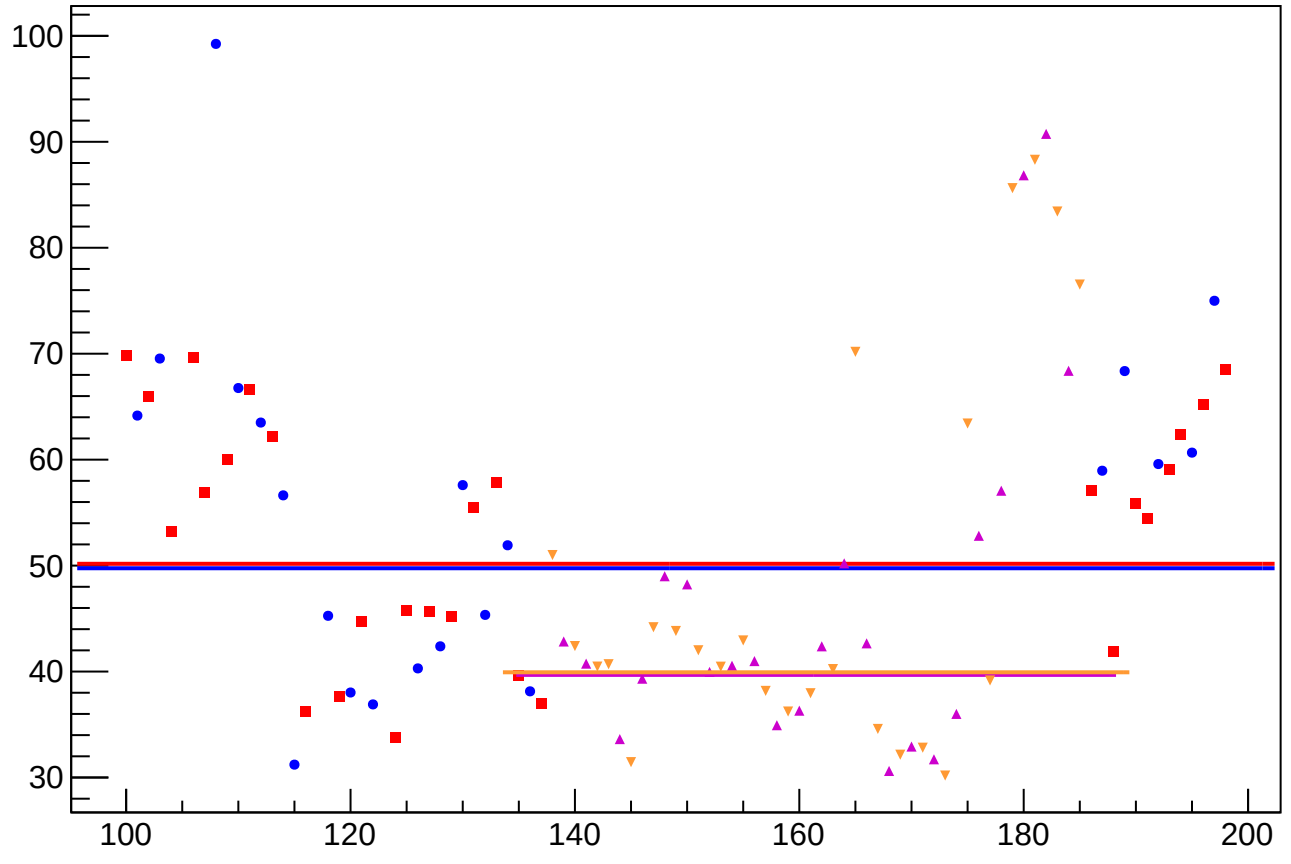
Right Out: -0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/45

All: -0.001+/-0.006 χ^2/NDF: 100.6/95

- sign -0.007+/-0.008 χ^2/NDF: 47.3/49



Right In: 49.750+/-0.011 χ^2/NDF: 1353418.3/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

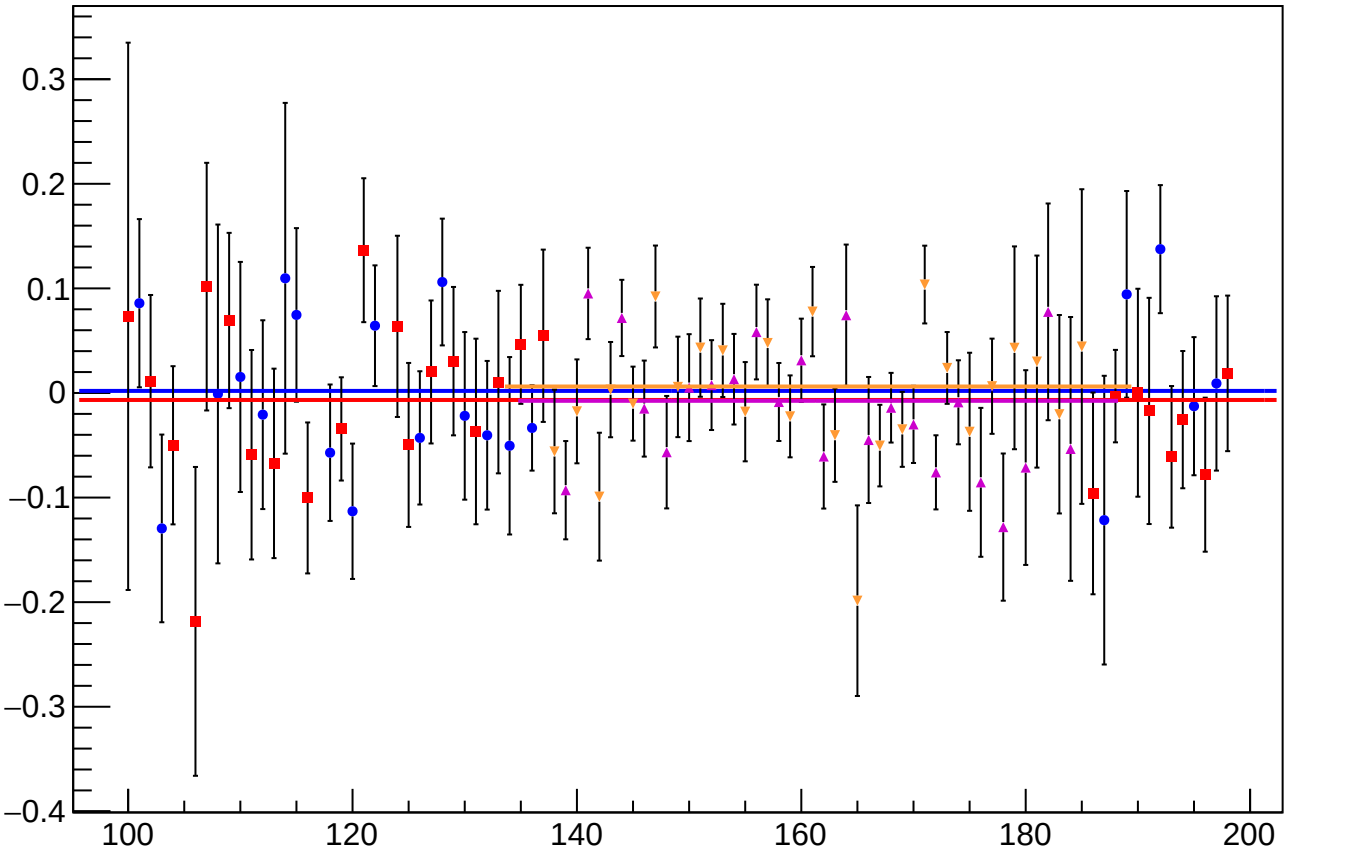
Right Out: 50.170+/-0.010 χ^2/NDF: 1097503.8/26

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

\+ sign 42.507+/-0.006 χ^2/NDF: 4381403.8/45

All: 42.718+/-0.004 χ^2/NDF: 8108046.5/95

\- sign 42.924+/-0.006 χ^2/NDF: 3724050.8/49



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

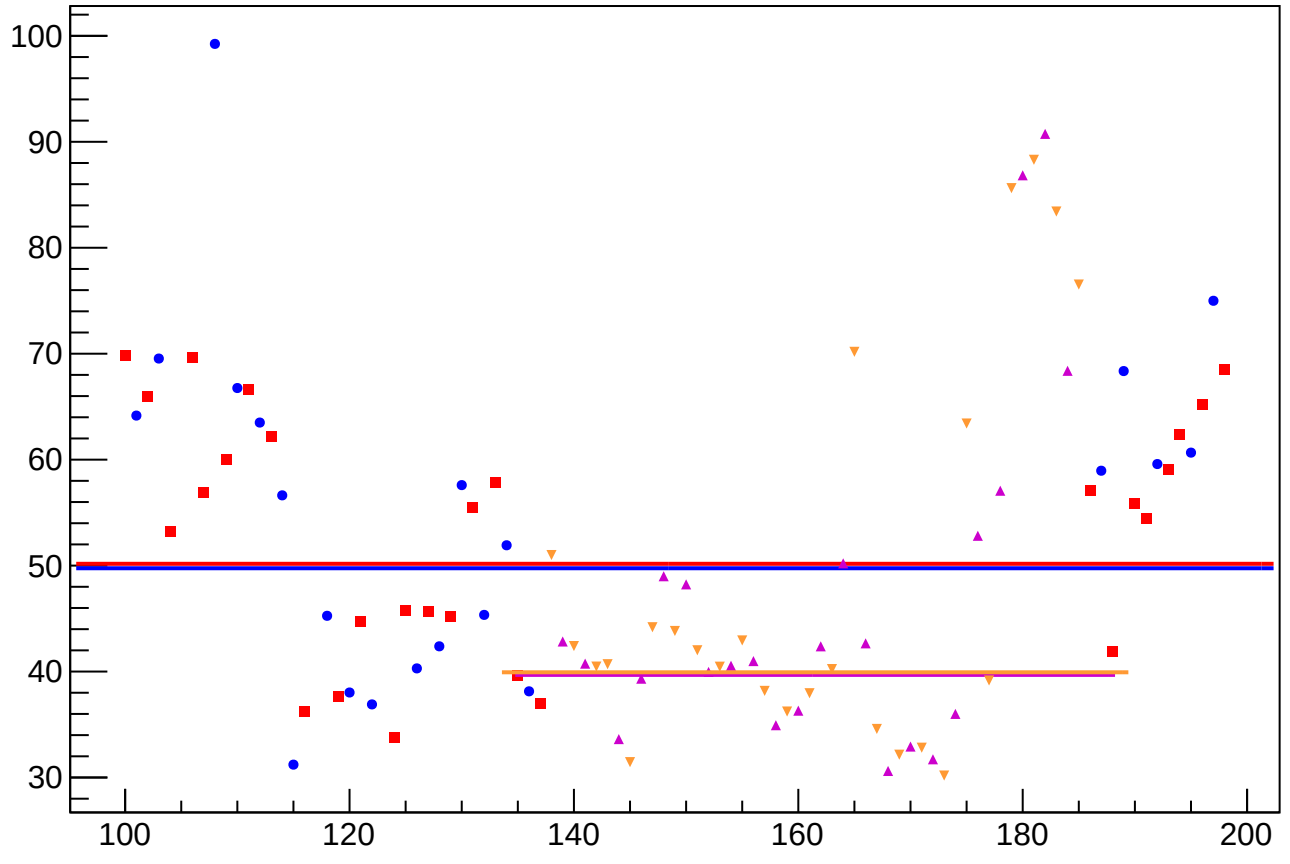
Right Out: -0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/45

All: -0.001+/-0.006 χ^2/NDF: 100.6/95

- sign -0.007+/-0.008 χ^2/NDF: 47.3/49



Right In: 49.750+/-0.011 χ^2/NDF: 1353418.3/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

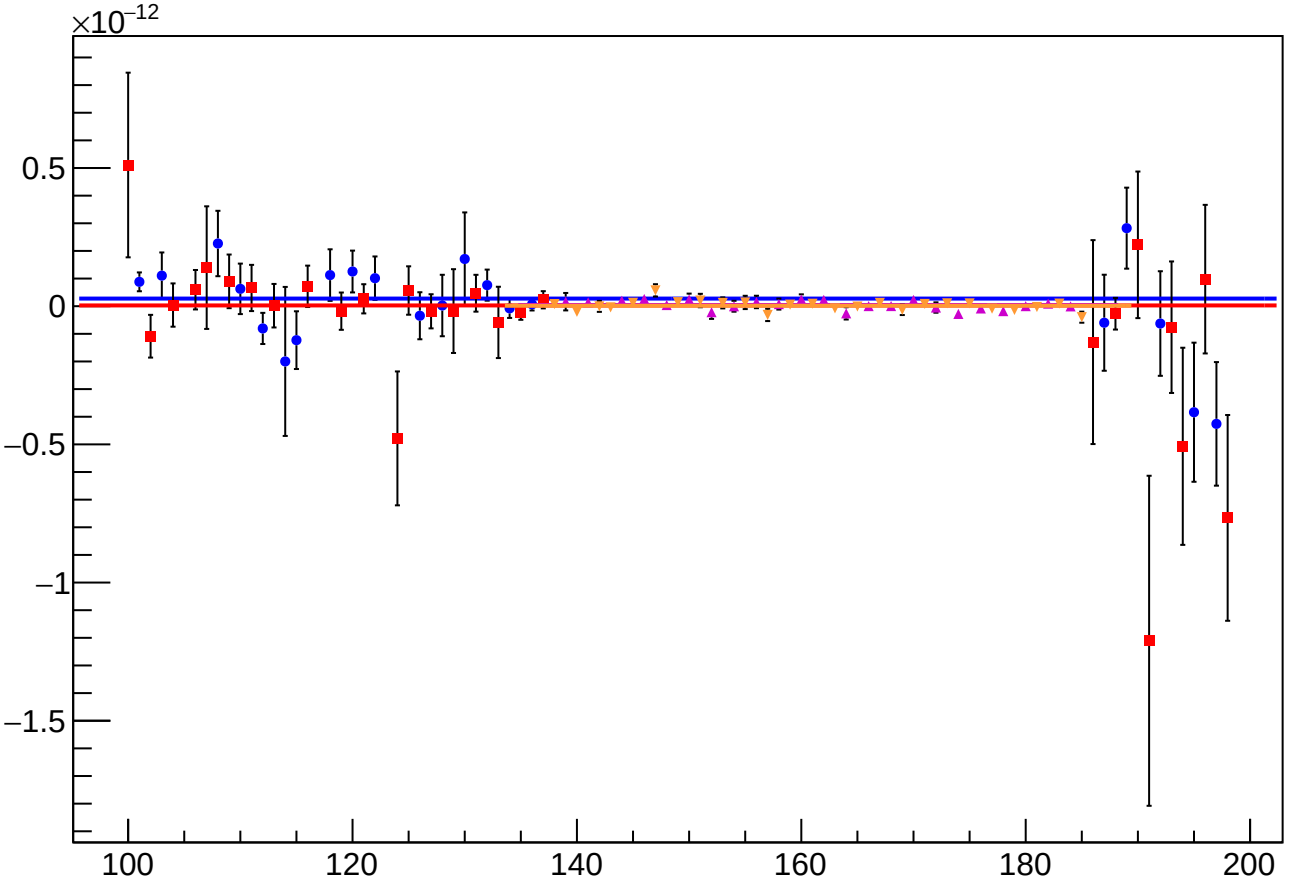
Right Out: 50.170+/-0.010 χ^2/NDF: 1097503.8/26

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

\+ sign 42.507+/-0.006 χ^2/NDF: 4381403.8/45

All: 42.718+/-0.004 χ^2/NDF: 8108046.5/95

\- sign 42.924+/-0.006 χ^2/NDF: 3724050.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 31.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

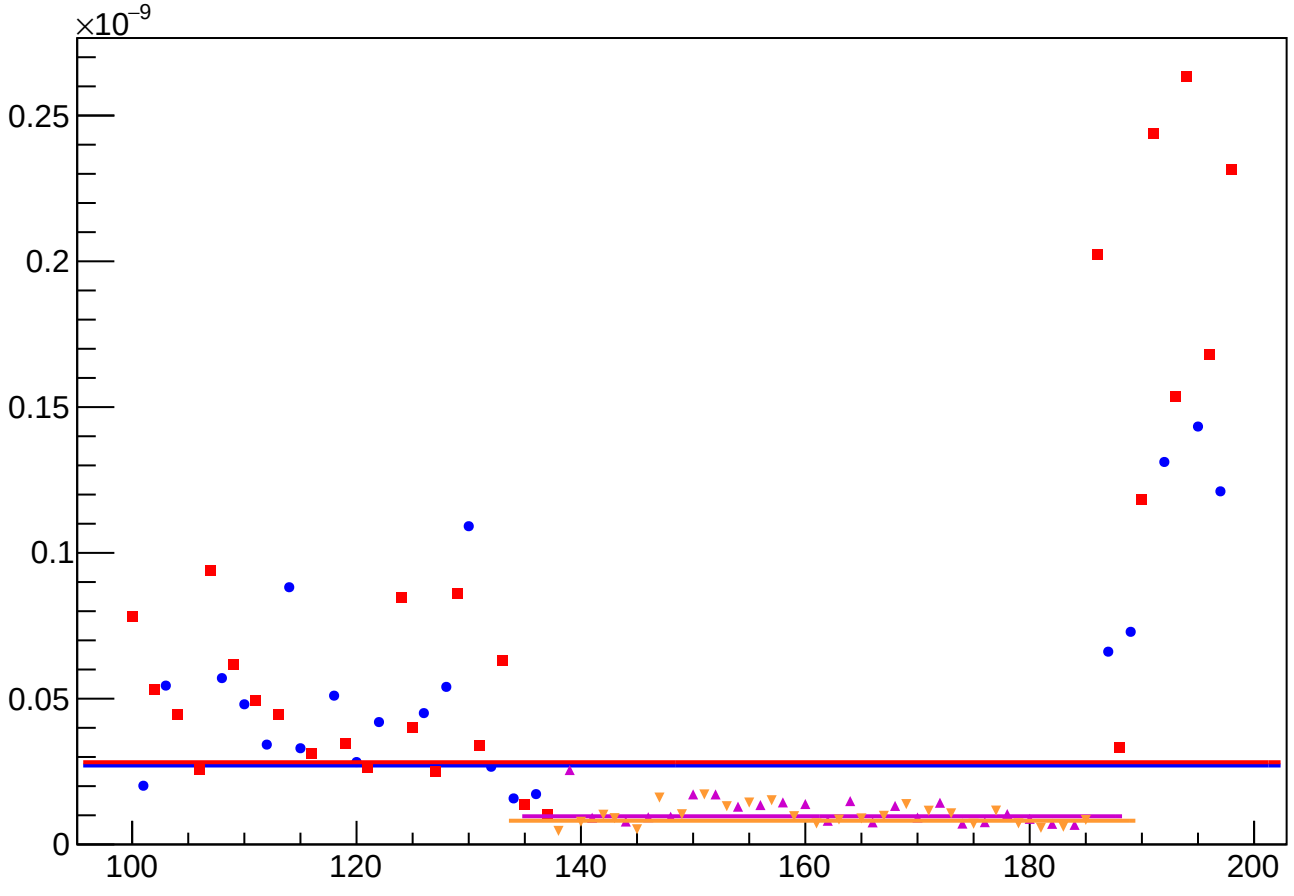
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/26

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.8/45

All: 0.000+/-0.000 χ^2/NDF: 116.5/95

- sign 0.000+/-0.000 χ^2/NDF: 53.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 3837452.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6368766.4/26

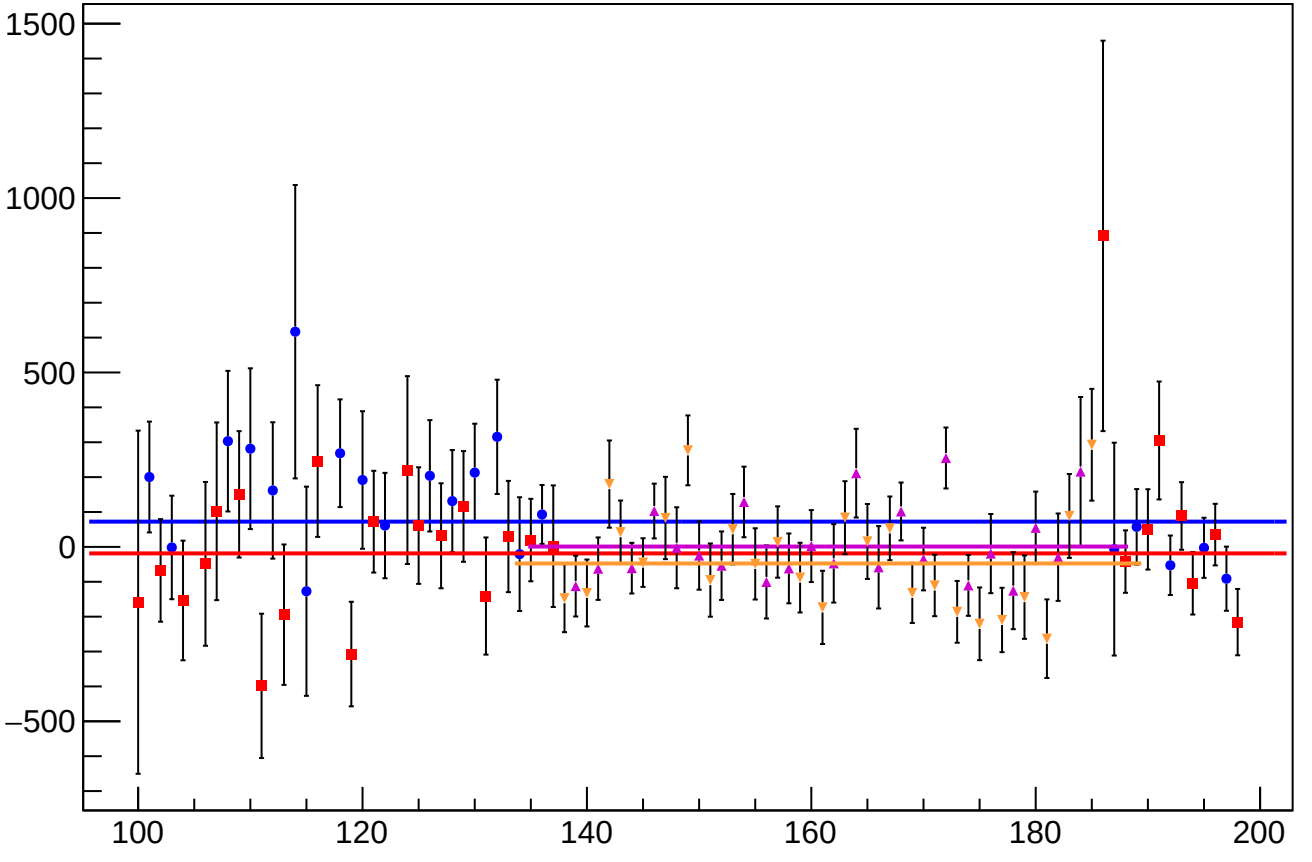
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10074611.7/45

All: 0.000+/-0.000 χ^2/NDF: 22356901.7/95

- sign 0.000+/-0.000 χ^2/NDF: 11906410.8/49

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 72.442+/-29.860 χ^2/NDF: 17.9/20

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -18.646+/-27.421 χ^2/NDF: 27.8/26

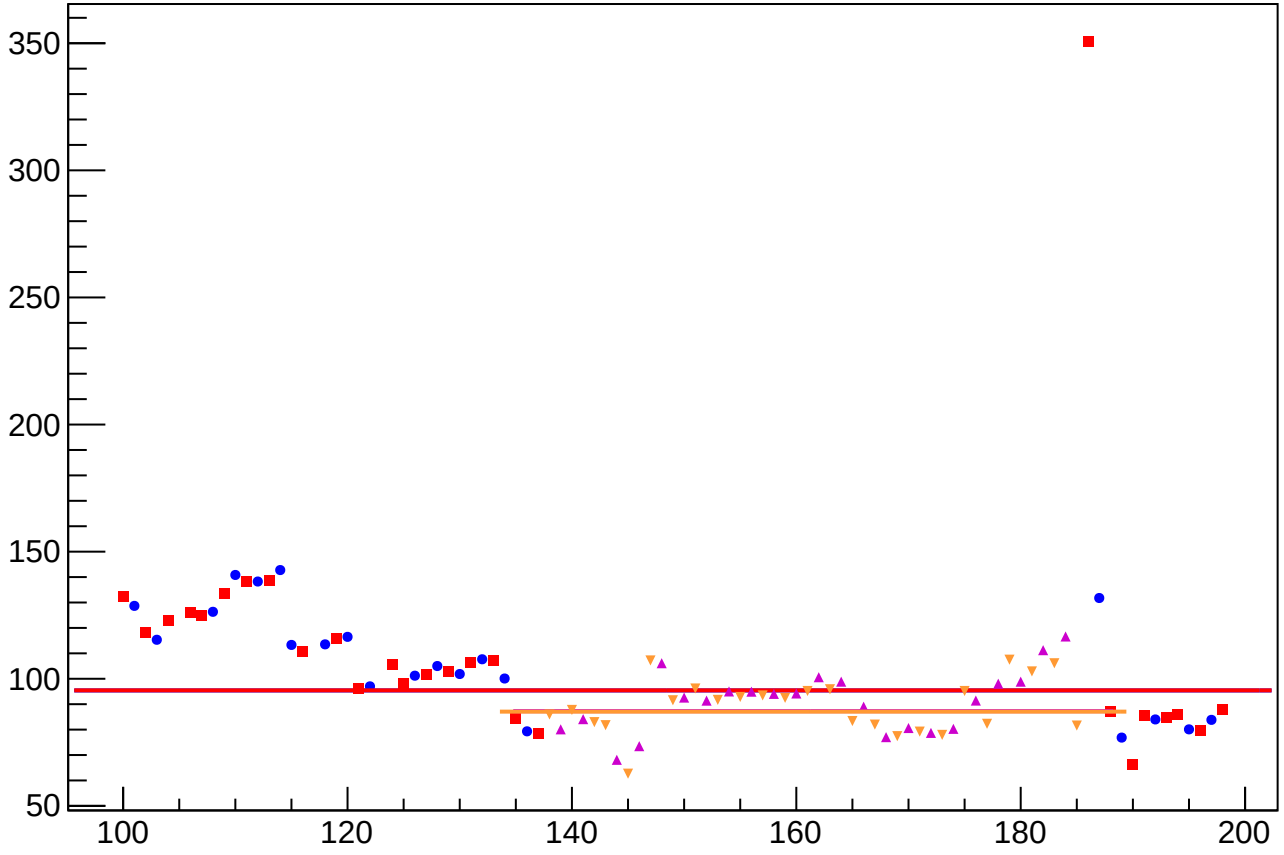
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -10.415+/-16.607 χ^2/NDF: 73.1/45

All: -8.239+/-11.695 χ^2/NDF: 126.6/95

- sign -6.098+/-16.472 χ^2/NDF: 53.6/49

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 95.398+/-0.021 χ^2/NDF: 746628.1/20

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 95.444+/-0.019 χ^2/NDF: 1246195.3/26

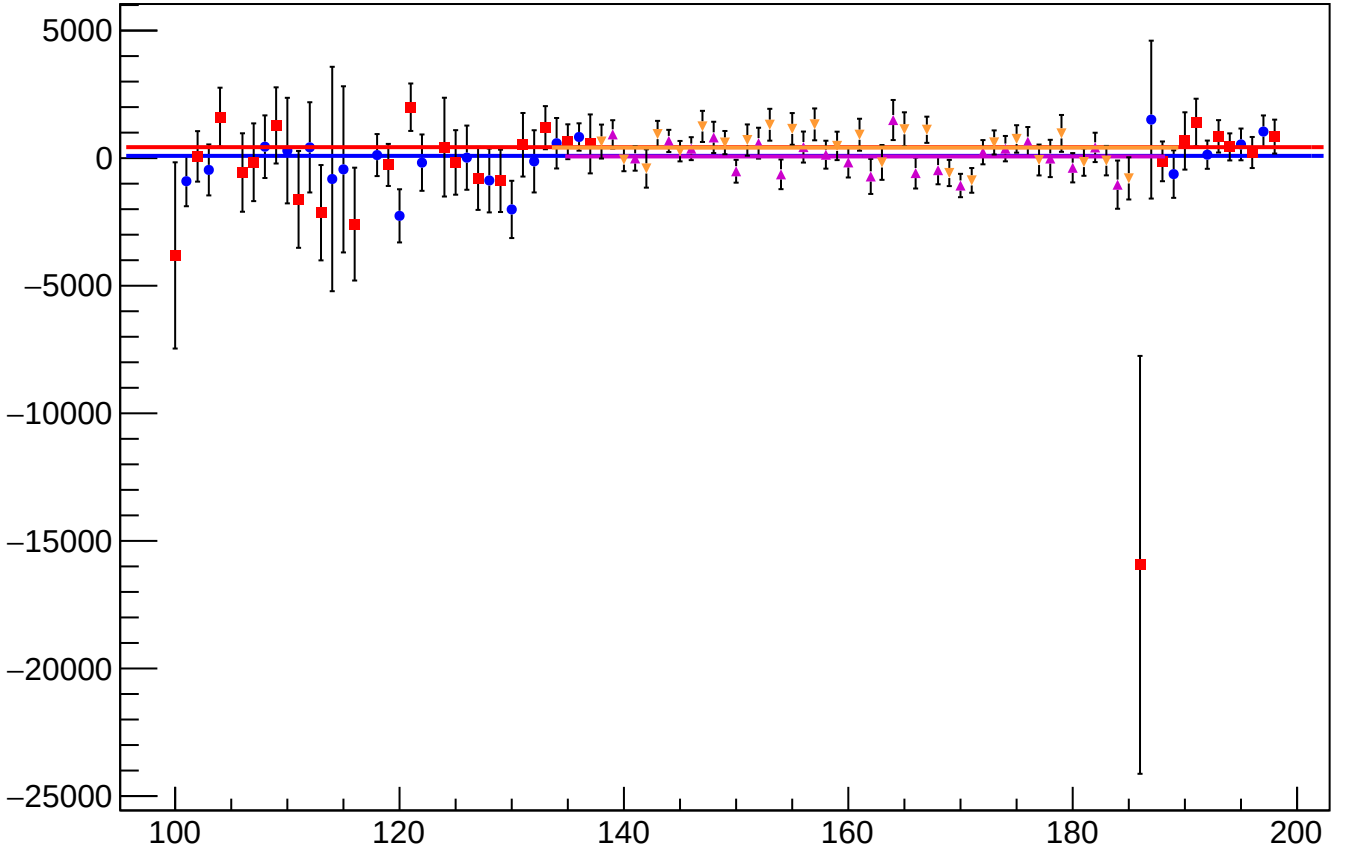
Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.647+/-0.012 χ^2/NDF: 1474668.5/45

All: 89.932+/-0.008 χ^2/NDF: 3431776.0/95

- sign 90.211+/-0.012 χ^2/NDF: 1955946.3/49

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: 89.142+/-206.448 χ^2/NDF: 16.5/20

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 430.879+/-187.928 χ^2/NDF: 21.8/26

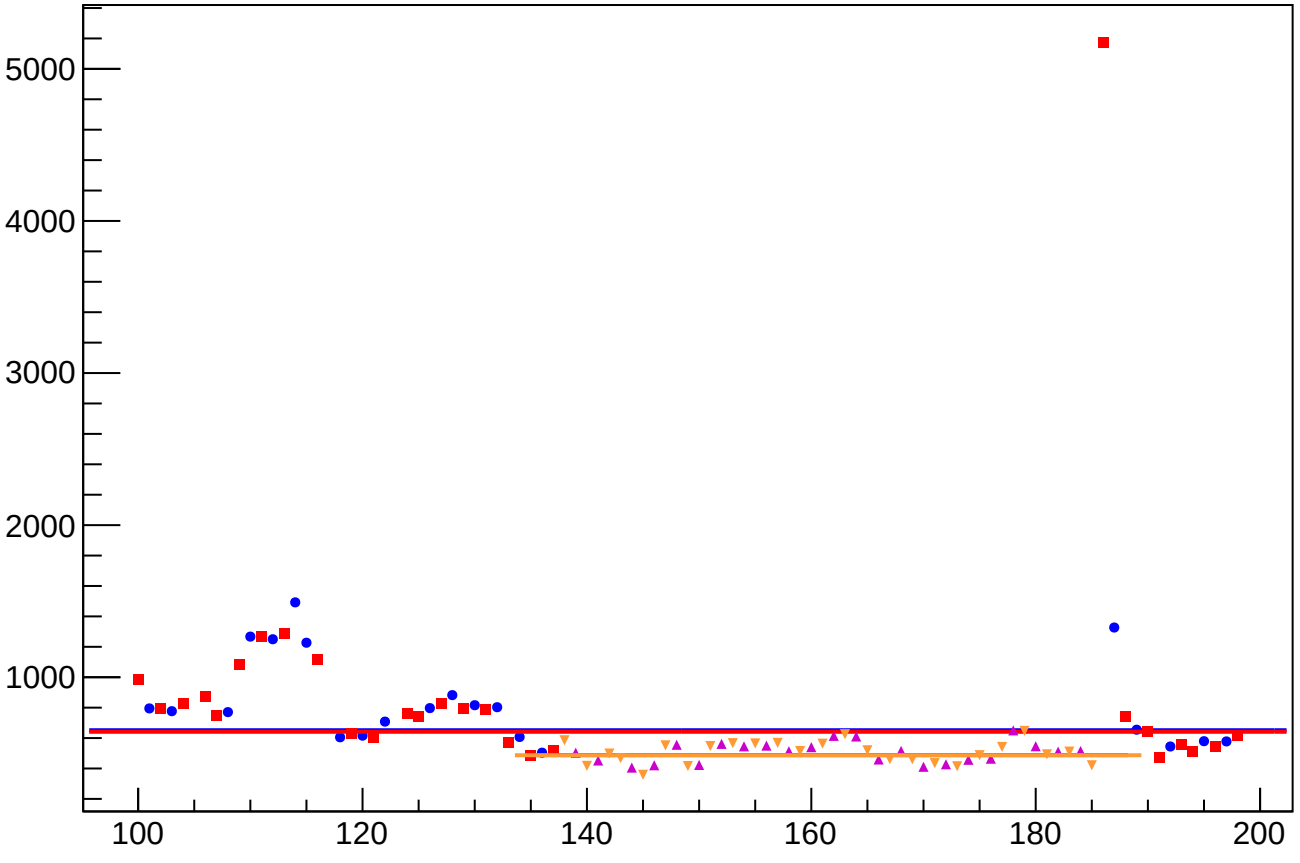
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 341.658+/-98.674 χ^2/NDF: 50.9/45

All: 253.755+/-69.659 χ^2/NDF: 104.5/95

- sign 166.427+/-98.351 χ^2/NDF: 52.0/49

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 651.533+/-0.146 χ^2/NDF: 1196755.0/20

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 641.409+/-0.133 χ^2/NDF: 2094570.6/26

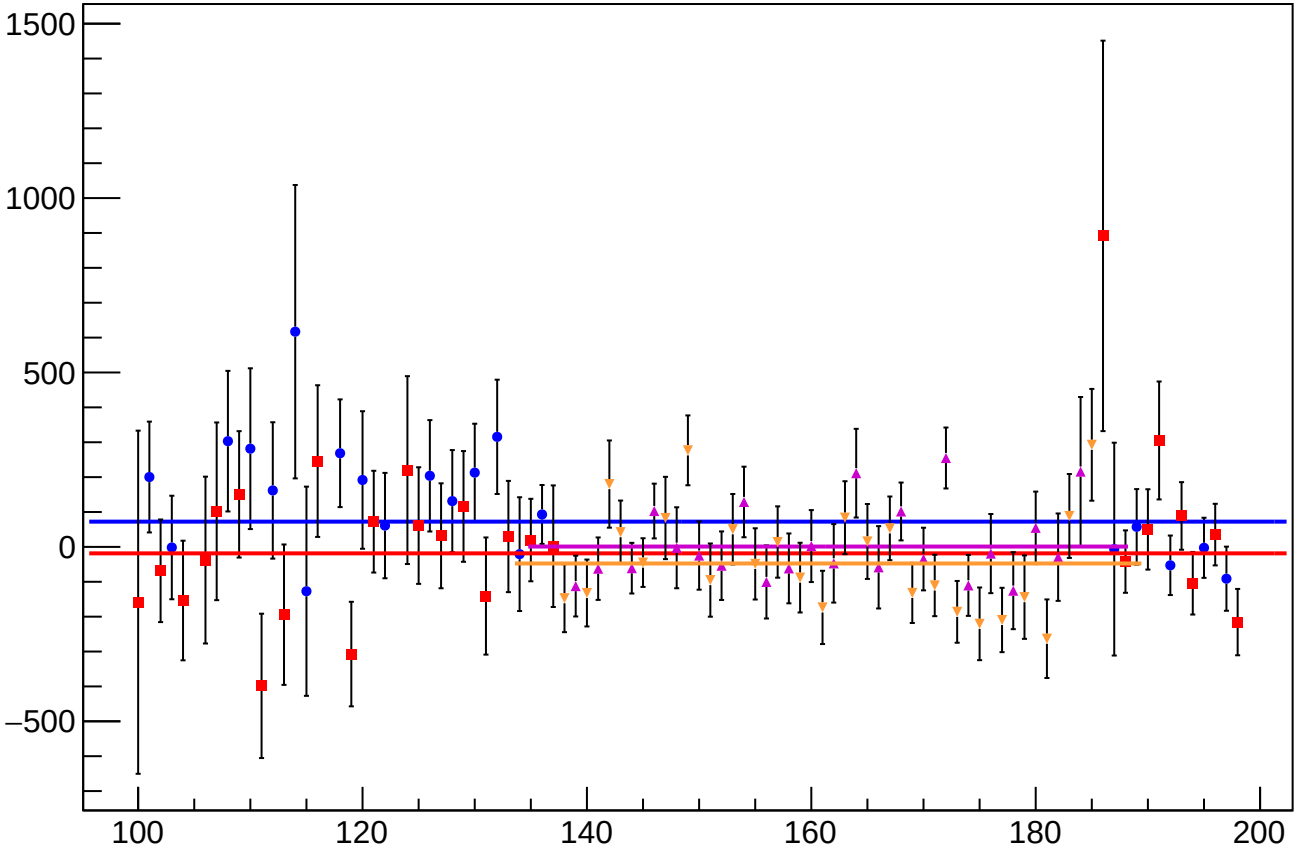
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 524.649+/-0.070 χ^2/NDF: 2997183.1/45

All: 527.316+/-0.049 χ^2/NDF: 6697535.2/95

- sign 529.966+/-0.070 χ^2/NDF: 3697438.7/49

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 72.432+/-29.860 χ^2/NDF: 17.9/20

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -18.523+/-27.428 χ^2/NDF: 27.8/26

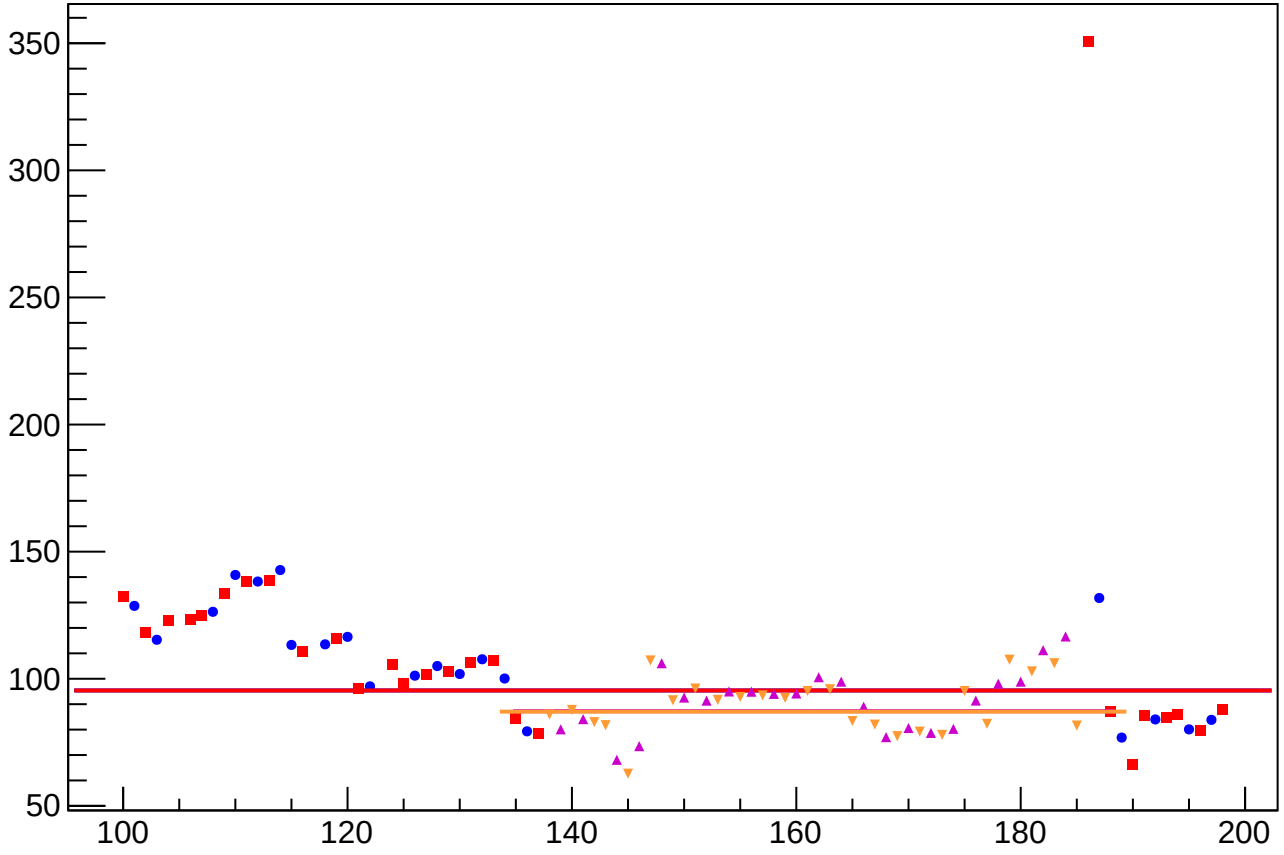
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -10.424+/-16.607 χ^2/NDF: 73.1/45

All: -8.219+/-11.695 χ^2/NDF: 126.6/95

- sign -6.050+/-16.473 χ^2/NDF: 53.5/49

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 95.398+/-0.021 χ^2/NDF: 746628.4/20

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

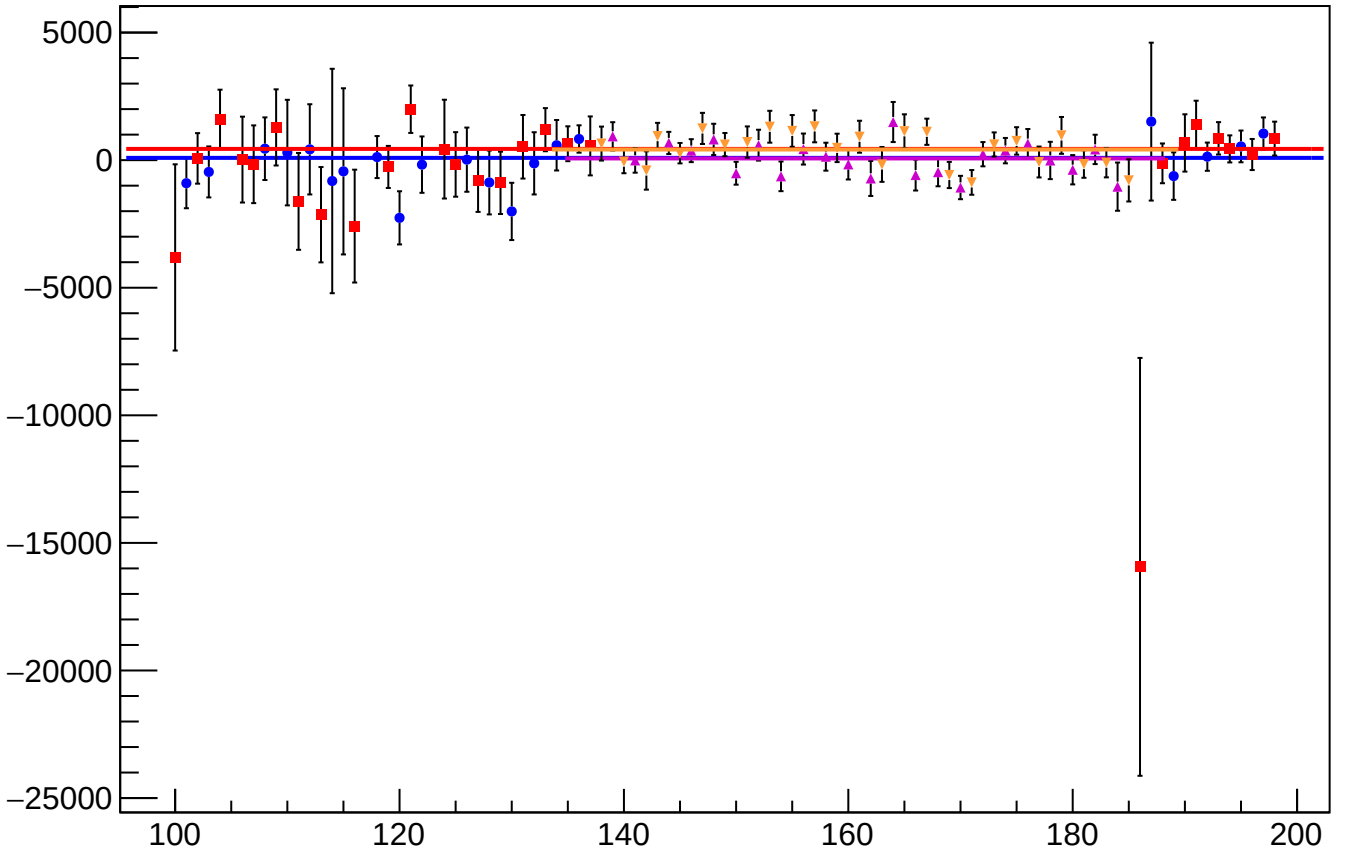
Right Out: 95.392+/-0.019 χ^2/NDF: 1239298.6/26

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.647+/-0.012 χ^2/NDF: 1474668.9/45

All: 89.922+/-0.008 χ^2/NDF: 3423330.6/95

- sign 90.191+/-0.012 χ^2/NDF: 1947580.0/49



Right In: 89.145+/-206.449 χ^2/NDF: 16.5/20

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

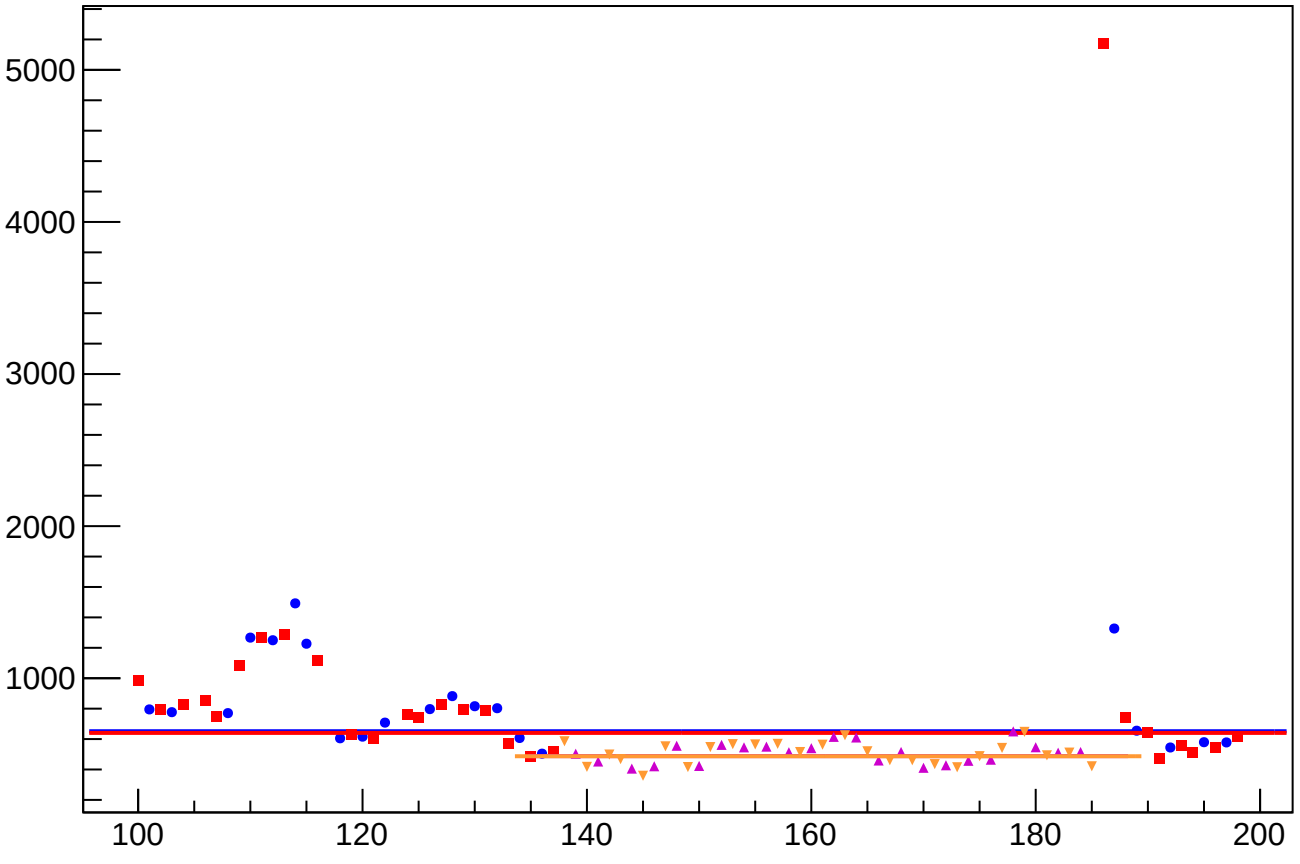
Right Out: 440.649+/-188.165 χ^2/NDF: 21.4/26

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 341.653+/-98.674 χ^2/NDF: 50.9/45

All: 255.030+/-69.671 χ^2/NDF: 104.3/95

- sign 168.914+/-98.385 χ^2/NDF: 51.8/49



Right In: 651.533+/-0.146 χ^2/NDF: 1196767.0/20

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 640.587+/-0.133 χ^2/NDF: 2080790.7/26

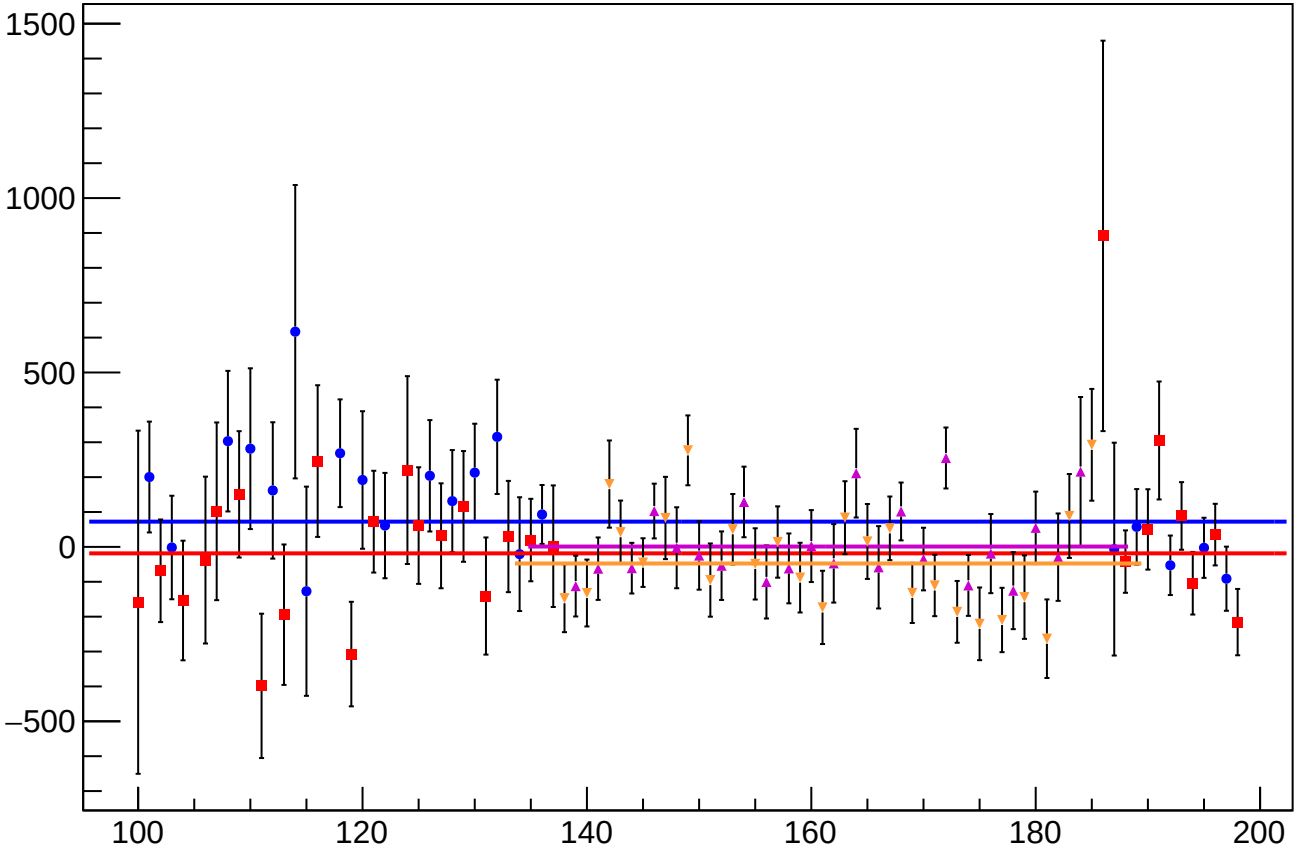
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 524.649+/-0.070 χ^2/NDF: 2997188.9/45

All: 527.164+/-0.049 χ^2/NDF: 6671347.0/95

- sign 529.665+/-0.070 χ^2/NDF: 3671566.8/49

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 72.432+/-29.860 χ^2/NDF: 17.9/20

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -18.523+/-27.428 χ^2/NDF: 27.8/26

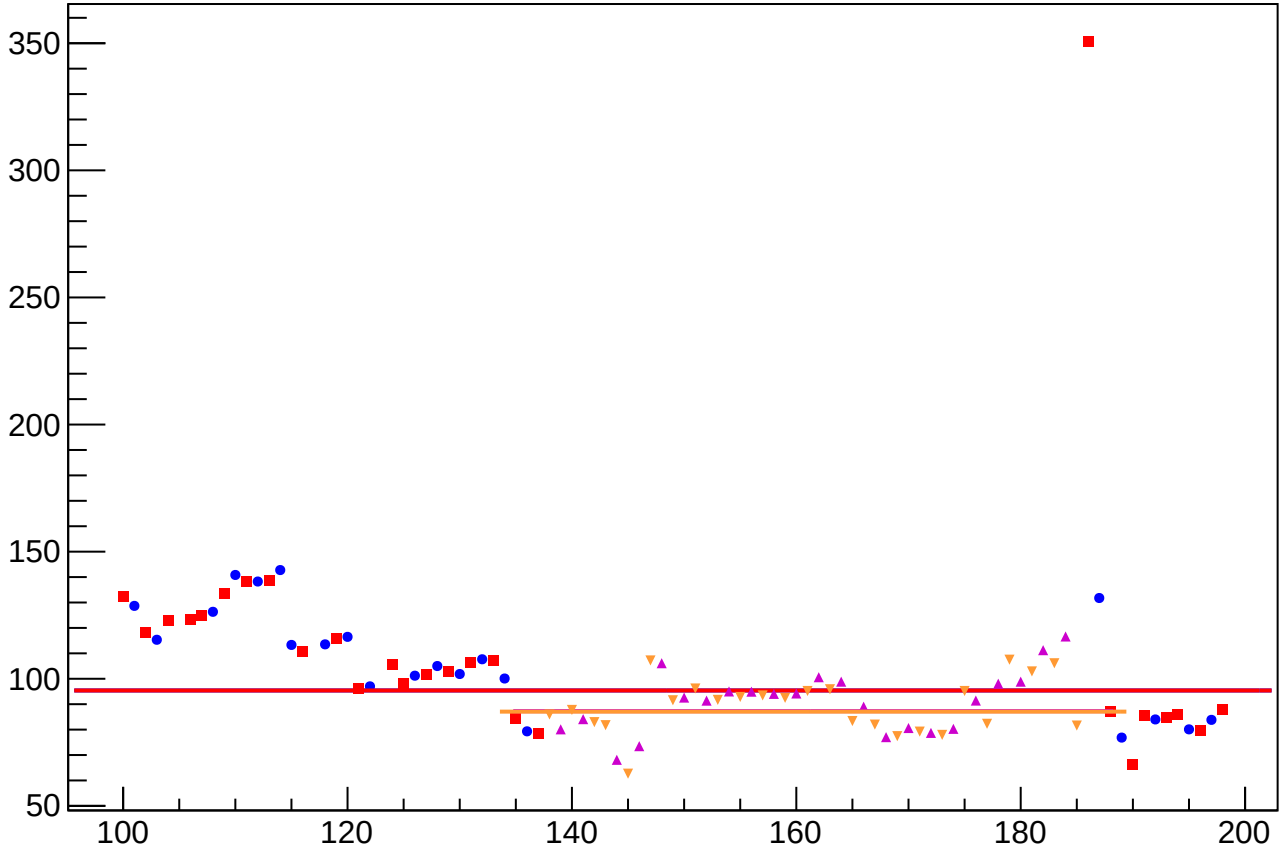
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -10.424+/-16.607 χ^2/NDF: 73.1/45

All: -8.219+/-11.695 χ^2/NDF: 126.6/95

- sign -6.050+/-16.473 χ^2/NDF: 53.5/49

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 95.398+/-0.021 χ^2/NDF: 746628.4/20

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

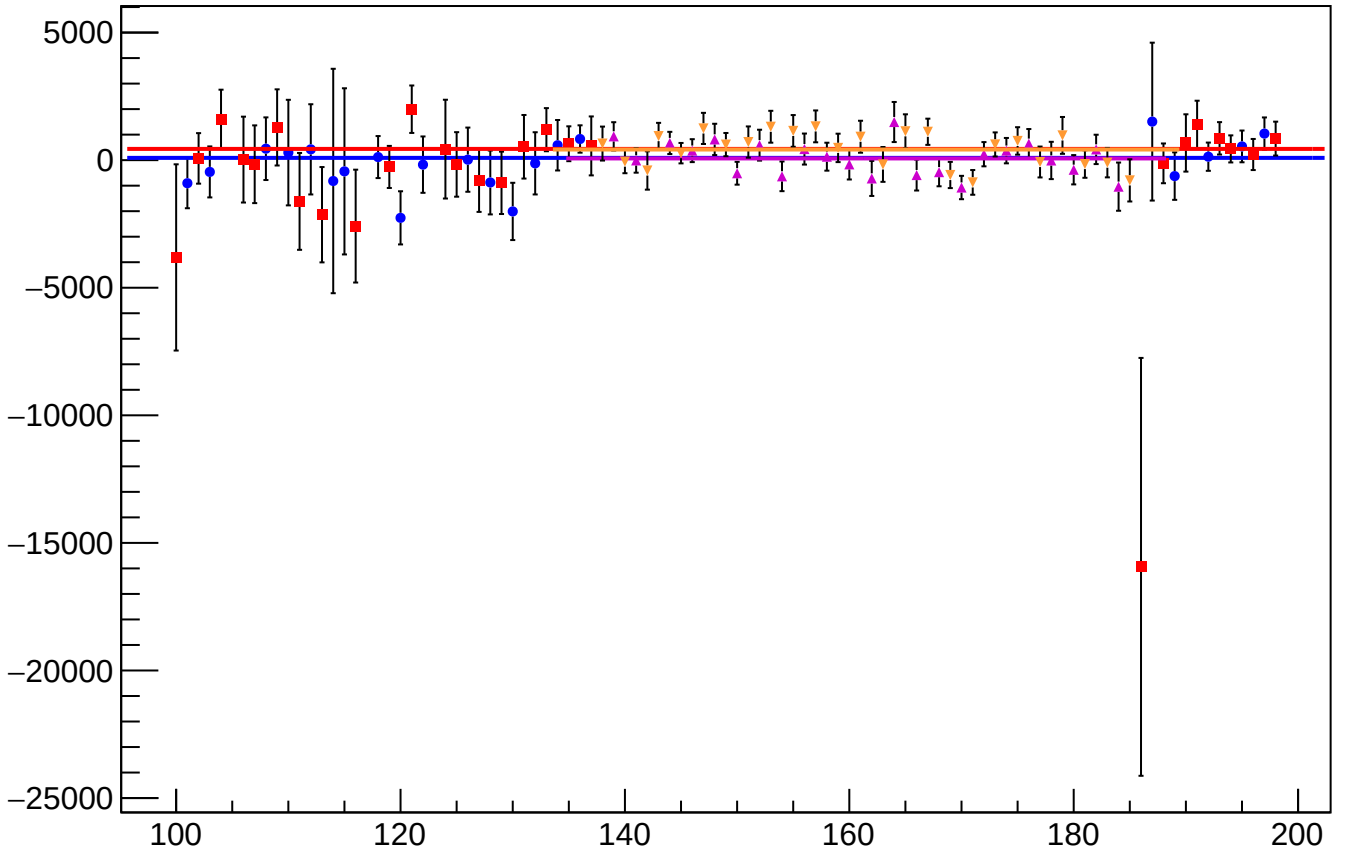
Right Out: 95.392+/-0.019 χ^2/NDF: 1239298.6/26

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.647+/-0.012 χ^2/NDF: 1474668.9/45

All: 89.922+/-0.008 χ^2/NDF: 3423330.6/95

- sign 90.191+/-0.012 χ^2/NDF: 1947580.0/49



Right In: 89.145+/-206.449 χ^2/NDF: 16.5/20

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

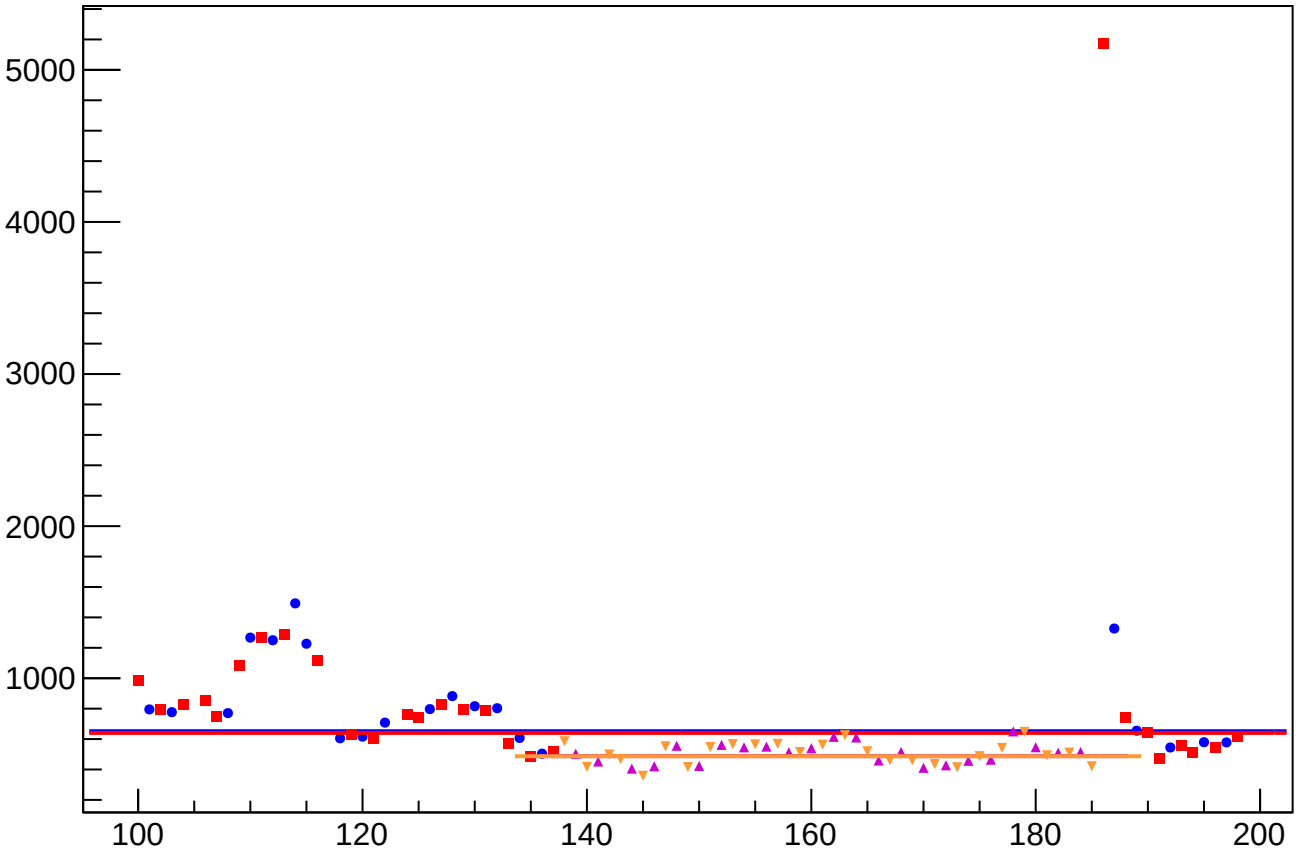
Right Out: 440.649+/-188.165 χ^2/NDF: 21.4/26

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 341.653+/-98.674 χ^2/NDF: 50.9/45

All: 255.030+/-69.671 χ^2/NDF: 104.3/95

- sign 168.914+/-98.385 χ^2/NDF: 51.8/49



Right In: 651.533+/-0.146 χ^2/NDF: 1196767.0/20

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 640.587+/-0.133 χ^2/NDF: 2080790.7/26

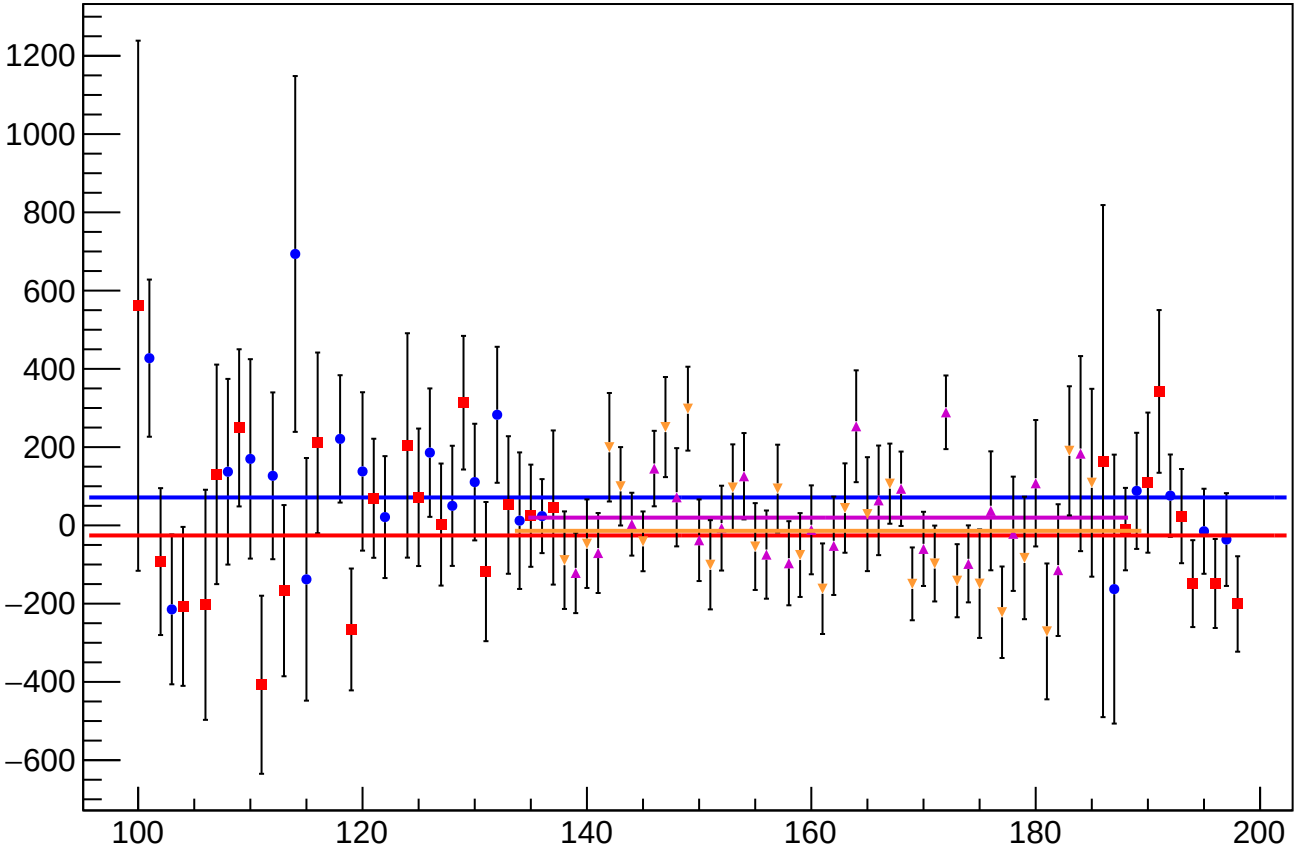
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 524.649+/-0.070 χ^2/NDF: 2997188.9/45

All: 527.164+/-0.049 χ^2/NDF: 6671347.0/95

- sign 529.665+/-0.070 χ^2/NDF: 3671566.8/49

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 71.407+/-34.745 χ^2/NDF: 13.4/20

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -25.723+/-32.323 χ^2/NDF: 25.4/26

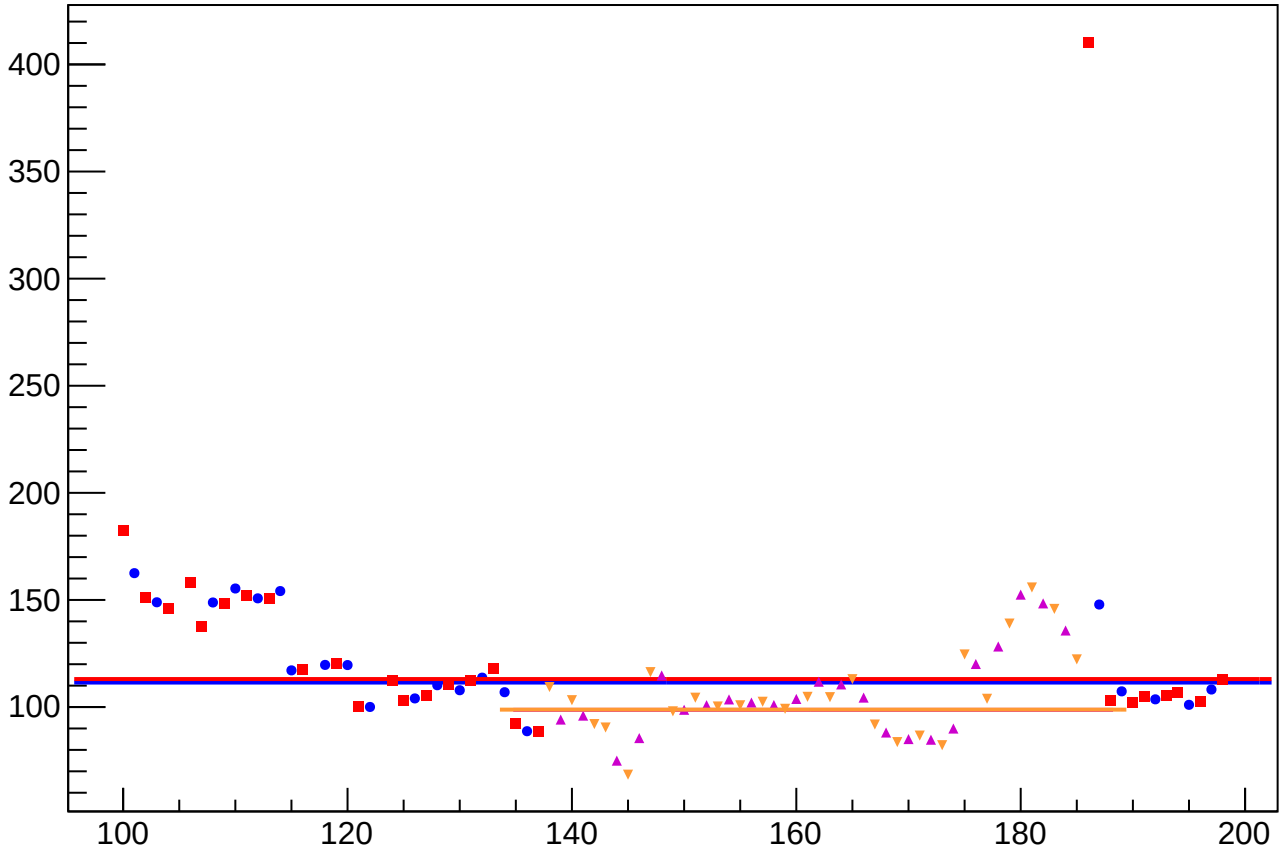
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 11.957+/-19.130 χ^2/NDF: 54.0/45

All: 7.960+/-13.497 χ^2/NDF: 104.1/95

- sign 3.999+/-19.045 χ^2/NDF: 50.0/49

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 111.440+/-0.025 χ^2/NDF: 597805.1/20

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

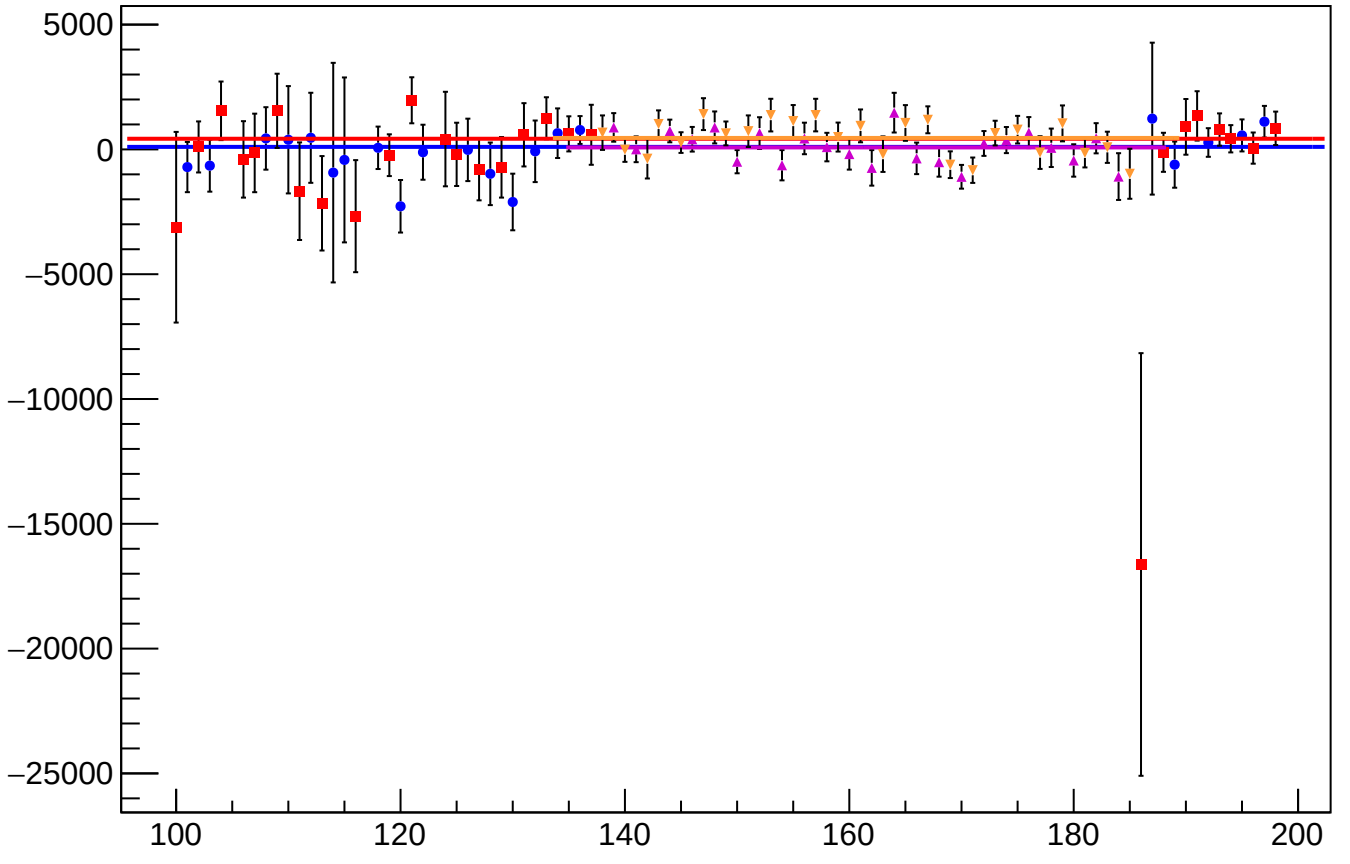
Right Out: 113.072+/-0.023 χ^2/NDF: 984832.5/26

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.631+/-0.014 χ^2/NDF: 1968090.7/45

All: 103.154+/-0.010 χ^2/NDF: 4202835.2/95

- sign 103.672+/-0.013 χ^2/NDF: 2231768.8/49



Right In: 100.929+/-210.806 χ^2/NDF: 16.7/20

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 426.719+/-191.181 χ^2/NDF: 21.0/26

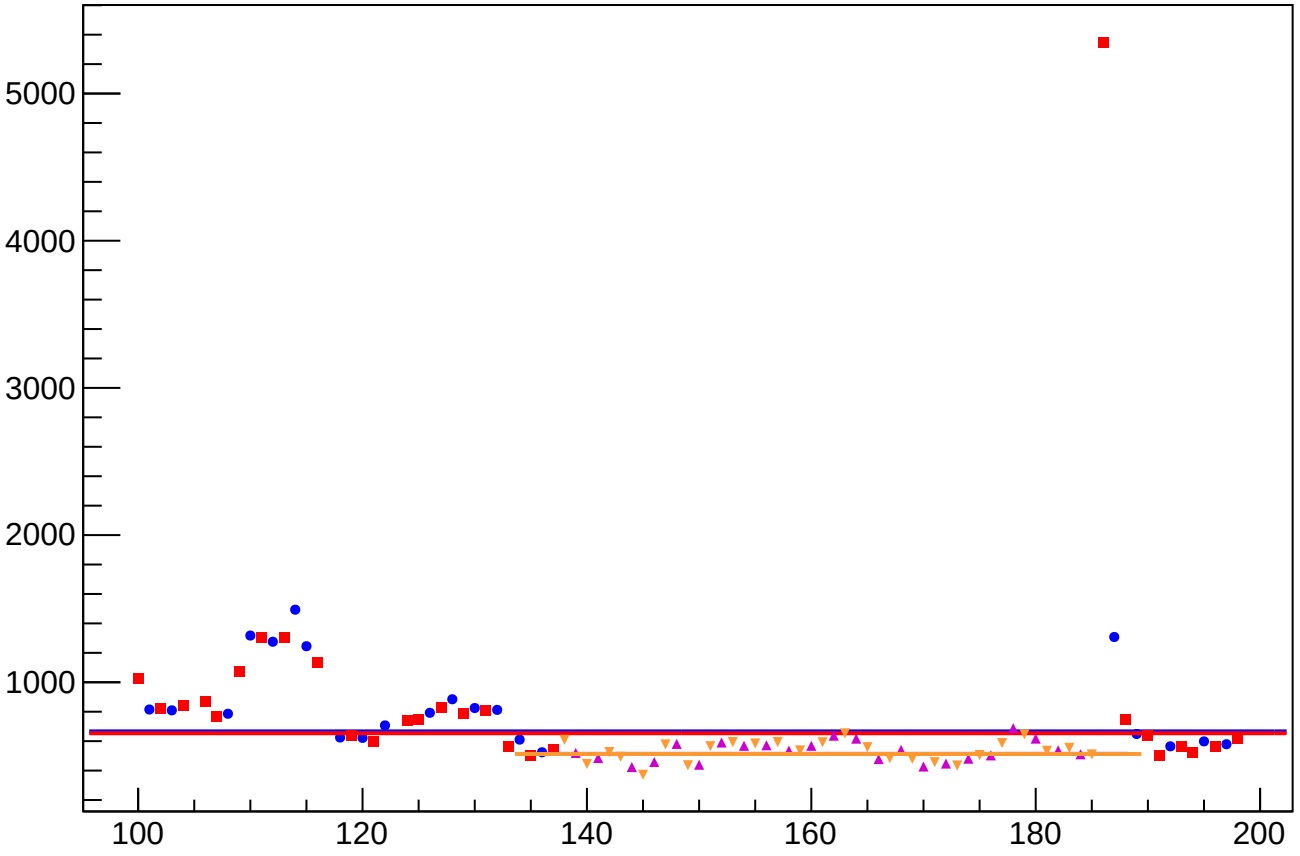
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 373.522+/-103.040 χ^2/NDF: 49.7/45

All: 275.661+/-72.671 χ^2/NDF: 101.1/95

- sign 178.813+/-102.506 χ^2/NDF: 49.6/49

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 666.288+/-0.149 χ^2/NDF: 1150614.4/20

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 653.798+/-0.135 χ^2/NDF: 2026726.8/26

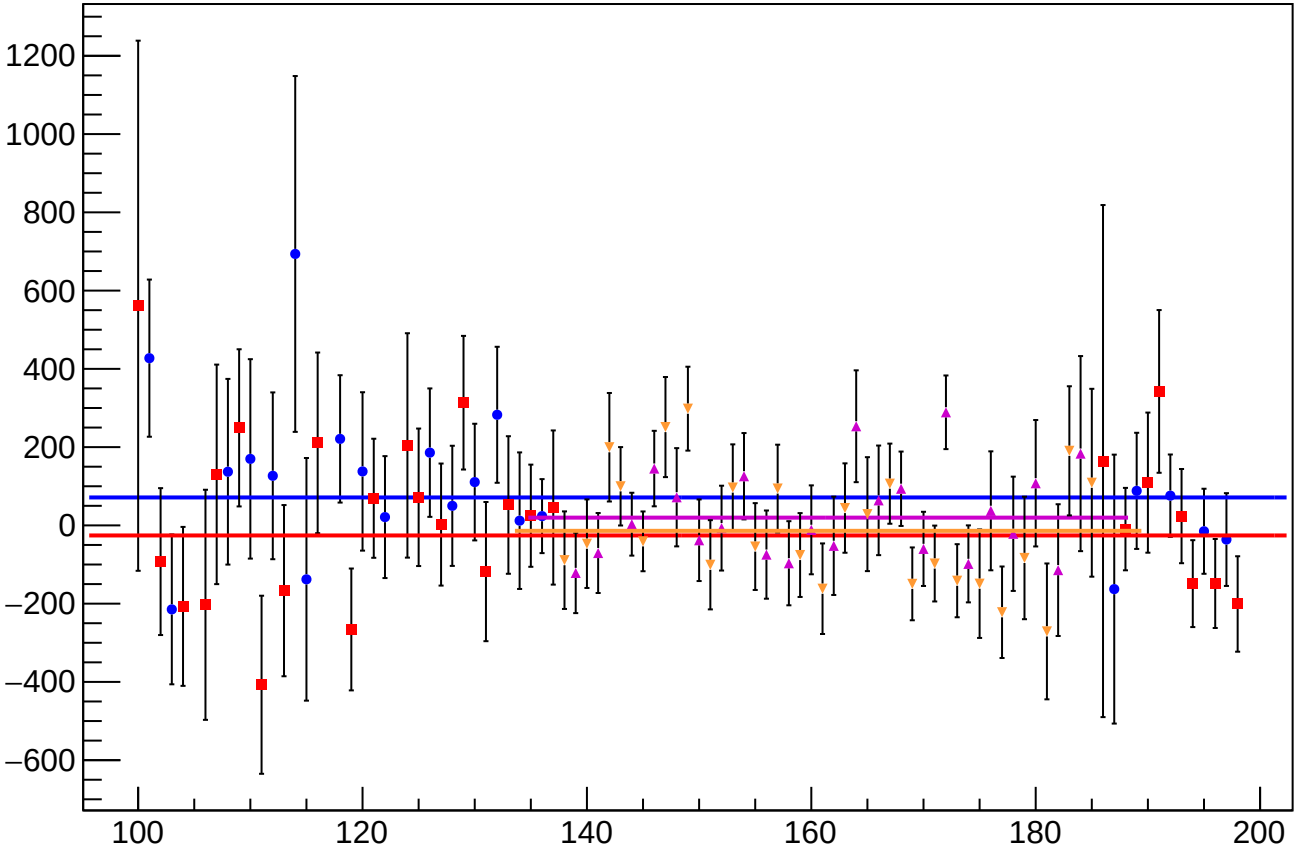
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 549.447+/-0.073 χ^2/NDF: 2757133.3/45

All: 551.606+/-0.051 χ^2/NDF: 6188419.8/95

- sign 553.744+/-0.072 χ^2/NDF: 3429538.6/49

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 71.407+/-34.745 χ^2/NDF: 13.4/20

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -25.724+/-32.323 χ^2/NDF: 25.4/26

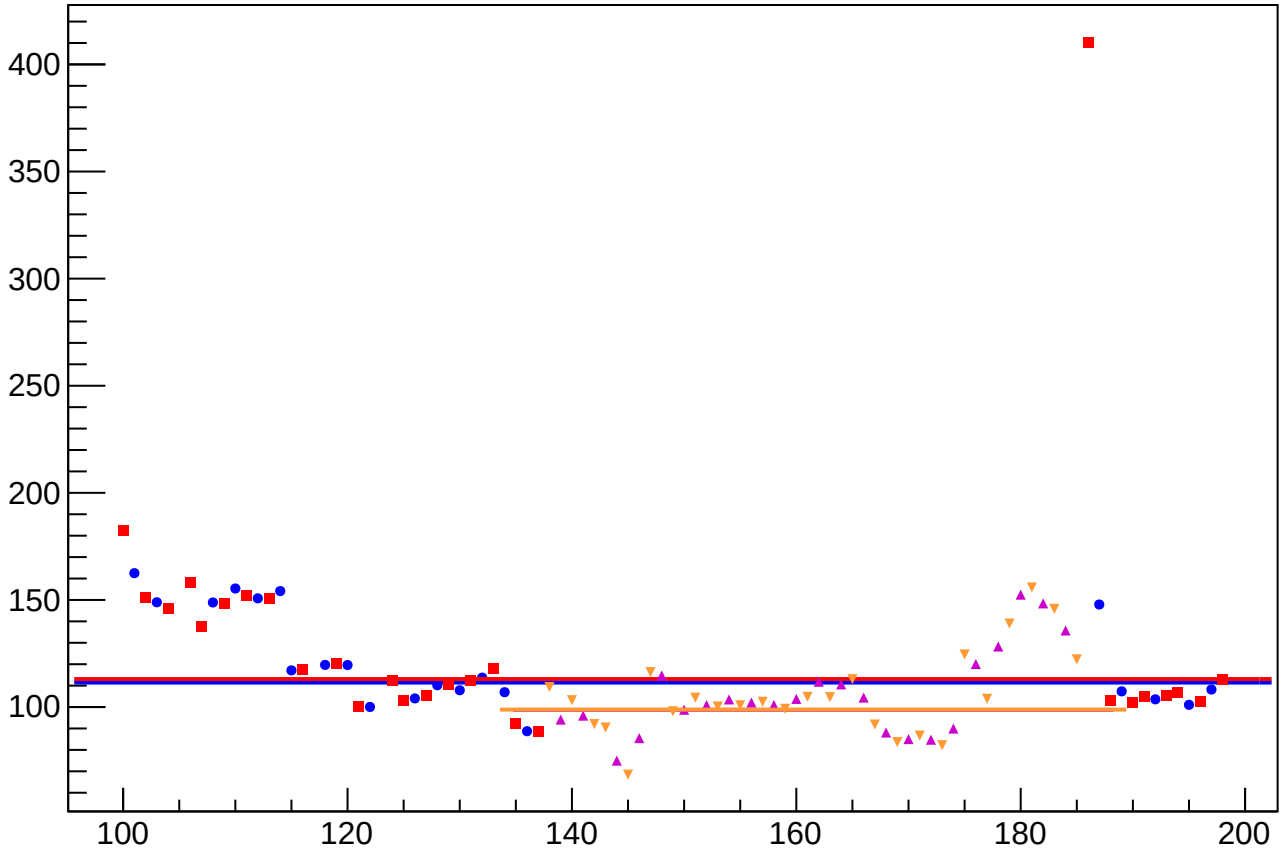
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 11.956+/-19.130 χ^2/NDF: 54.0/45

All: 7.959+/-13.497 χ^2/NDF: 104.1/95

- sign 3.999+/-19.045 χ^2/NDF: 50.0/49

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 111.440+/-0.025 χ^2/NDF: 597790.1/20

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

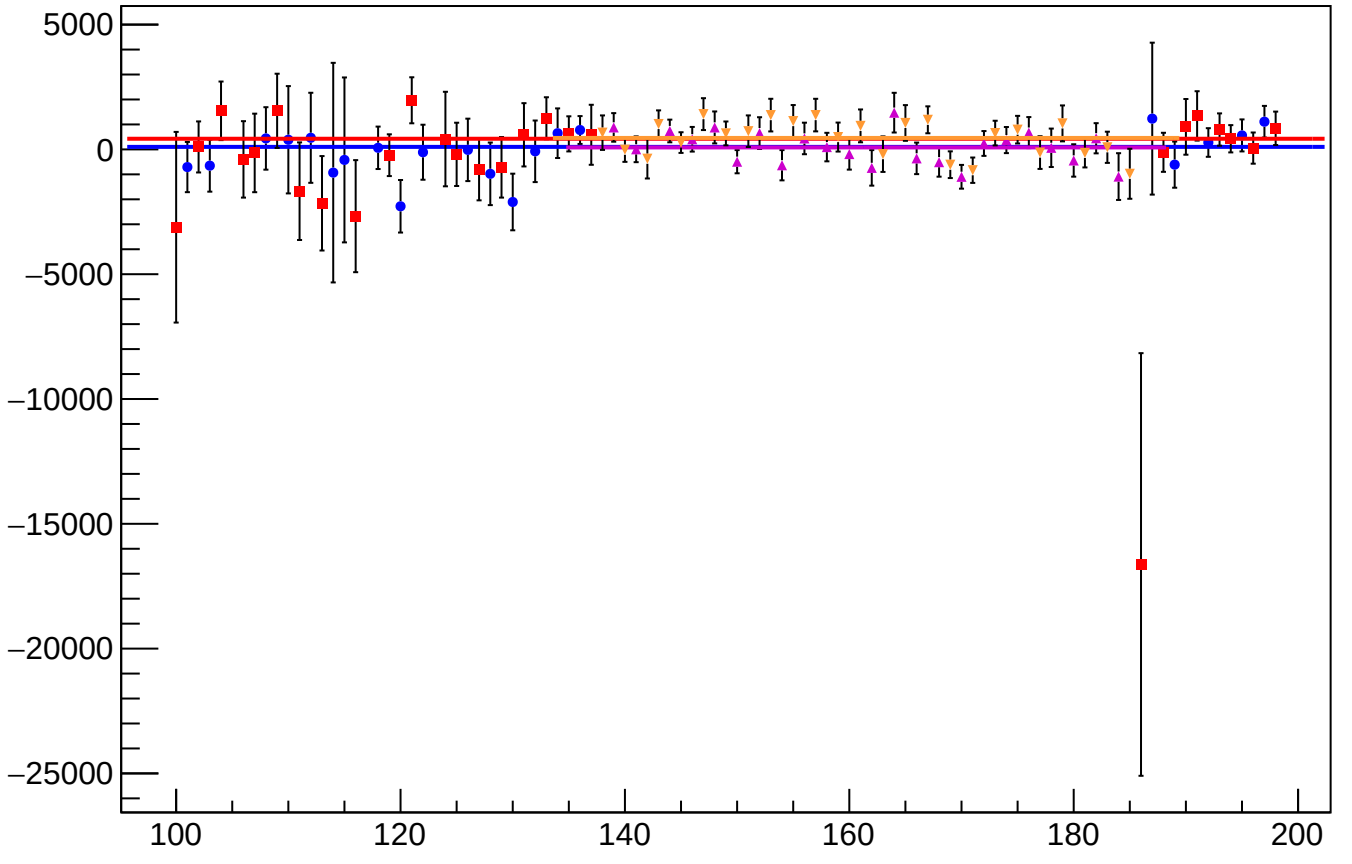
Right Out: 113.072+/-0.023 χ^2/NDF: 984818.0/26

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.631+/-0.014 χ^2/NDF: 1968086.6/45

All: 103.154+/-0.010 χ^2/NDF: 4202812.2/95

- sign 103.672+/-0.013 χ^2/NDF: 2231749.8/49



Right In: 100.927+/-210.806 χ^2/NDF: 16.7/20

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

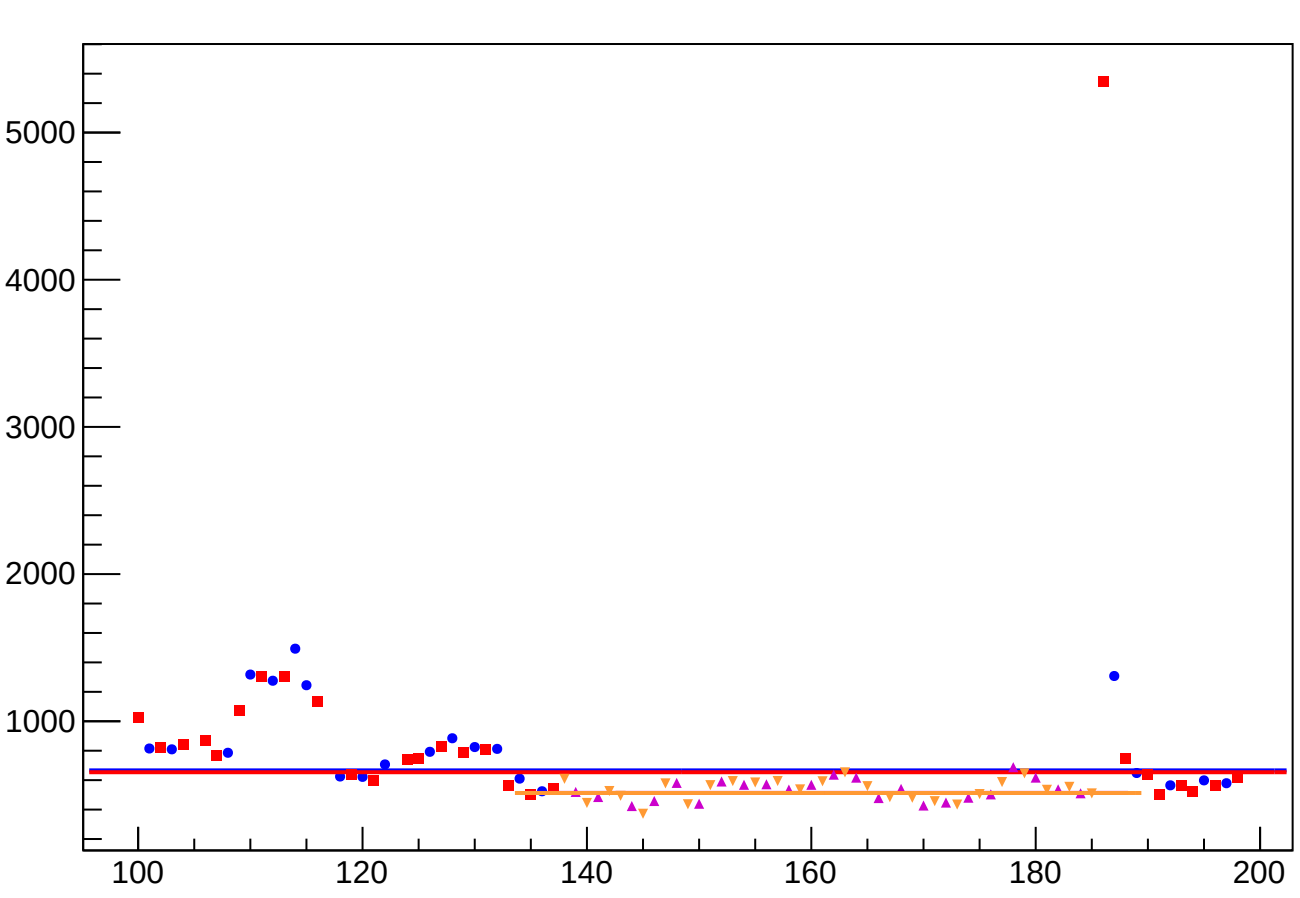
Right Out: 426.718+/-191.180 χ^2/NDF: 21.0/26

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 373.520+/-103.040 χ^2/NDF: 49.7/45

All: 275.660+/-72.671 χ^2/NDF: 101.1/95

\- sign 178.813+/-102.506 χ^2/NDF: 49.6/49



Right In: 666.288+/-0.149 χ^2/NDF: 1150611.6/20

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 653.797+/-0.135 χ^2/NDF: 2026723.6/26

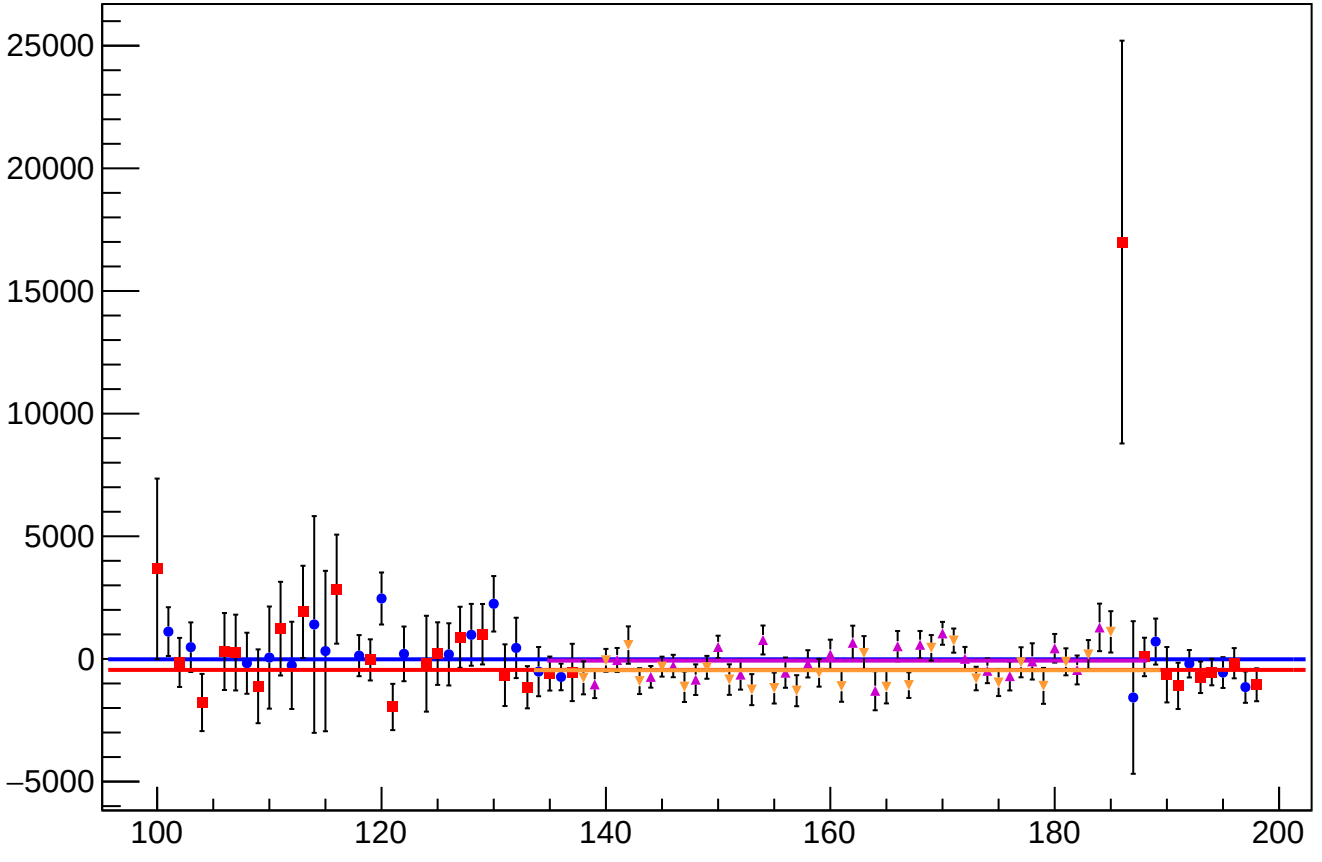
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 549.447+/-0.073 χ^2/NDF: 2757128.0/45

All: 551.606+/-0.051 χ^2/NDF: 6188400.3/95

- sign 553.743+/-0.072 χ^2/NDF: 3429524.5/49

asym_sam_26_48_dd_mean vs Slug



Right In: -14.910+/-208.861 χ^2/NDF: 18.8/20

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -447.188+/-190.225 χ^2/NDF: 21.0/26

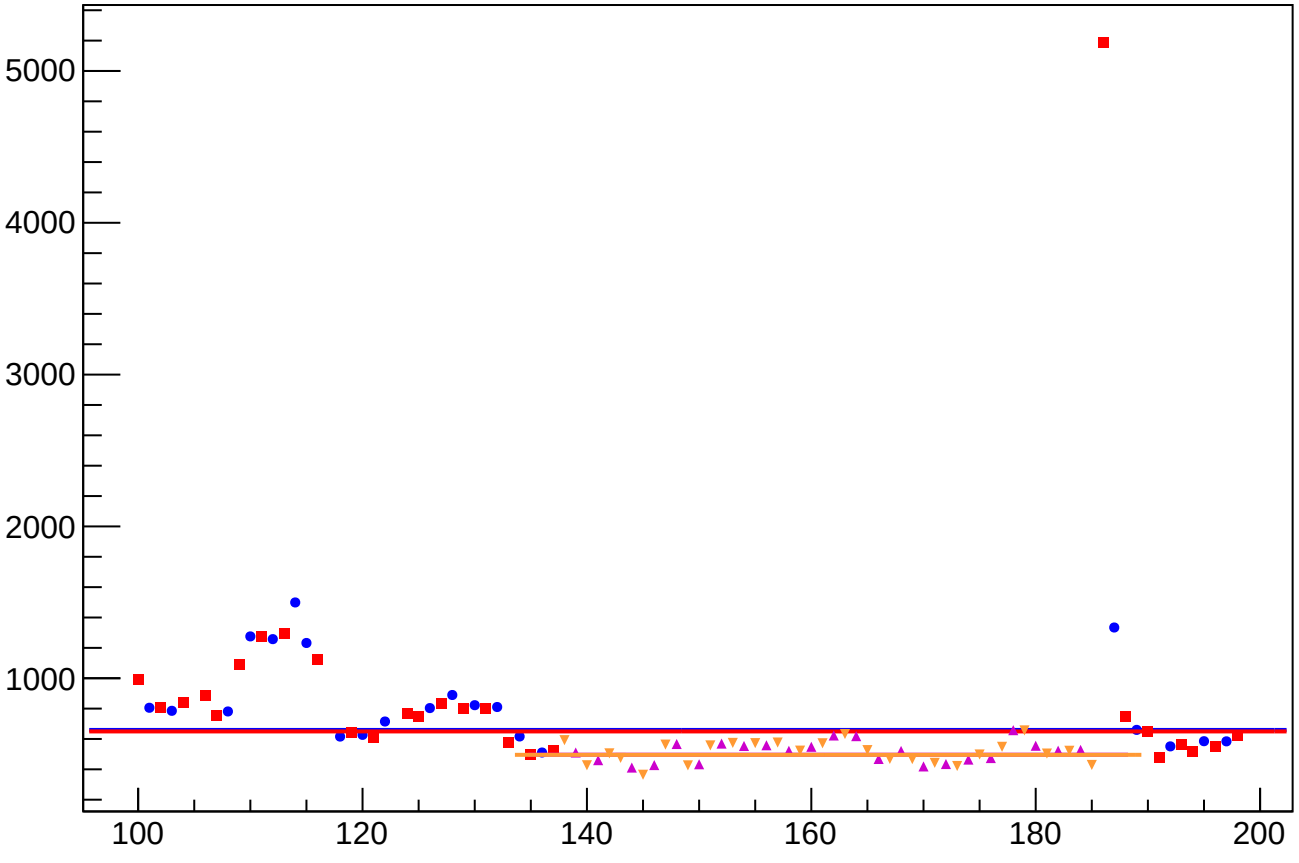
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -357.409+/-100.222 χ^2/NDF: 53.2/45

All: -264.682+/-70.748 χ^2/NDF: 107.3/95

- sign -172.578+/-99.884 χ^2/NDF: 52.4/49

asym_sam_26_48_dd_rms vs Slug



Right In: 659.436+/-0.148 χ^2/NDF: 1182616.8/20

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

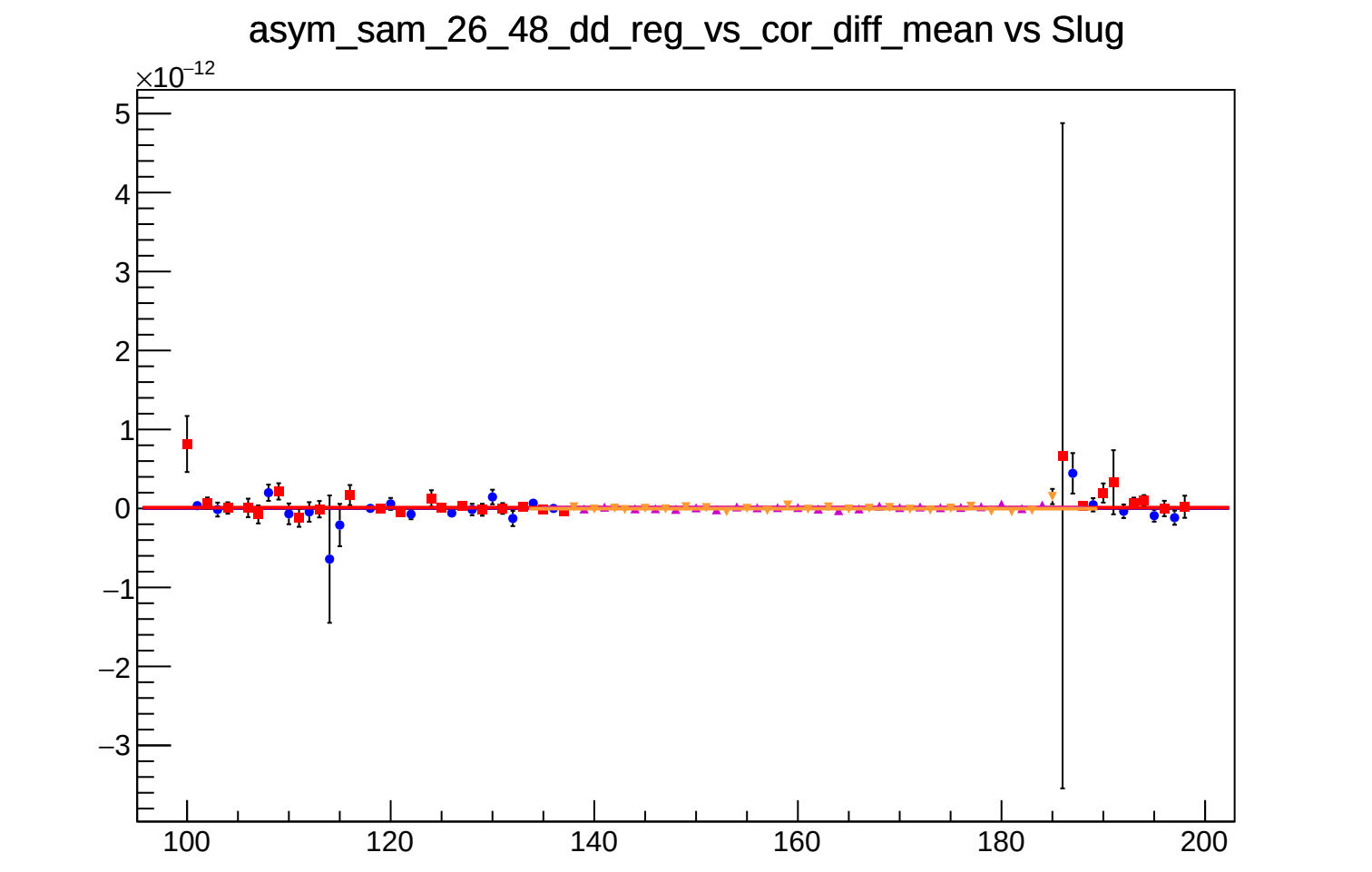
Right Out: 649.633+/-0.135 χ^2/NDF: 2070905.7/26

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 533.258+/-0.071 χ^2/NDF: 2935549.9/45

All: 535.929+/-0.050 χ^2/NDF: 6572734.0/95

- sign 538.581+/-0.071 χ^2/NDF: 3634353.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

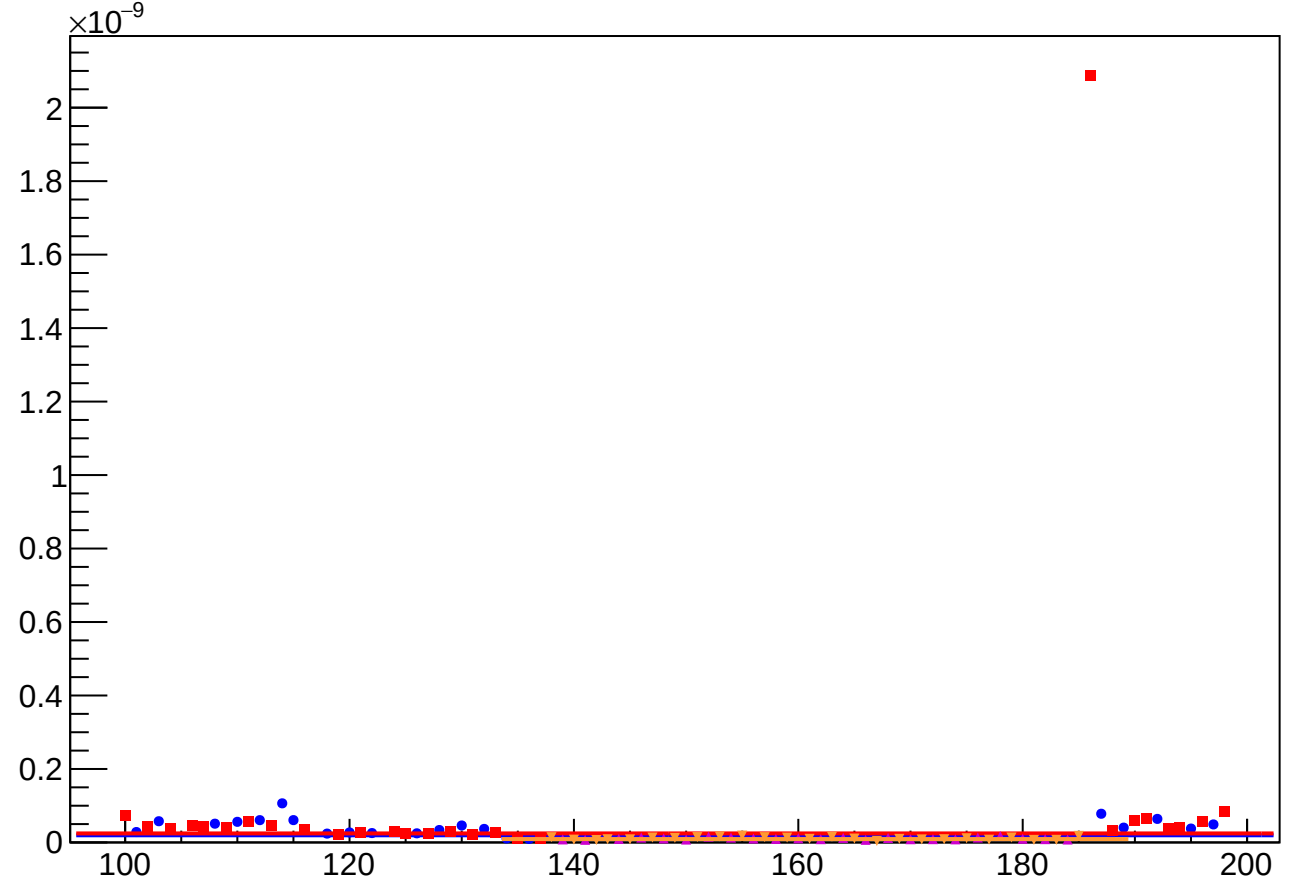
Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/26

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.6/45

All: 0.000+/-0.000 χ^2/NDF: 93.6/95

- sign 0.000+/-0.000 χ^2/NDF: 40.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 3535808.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

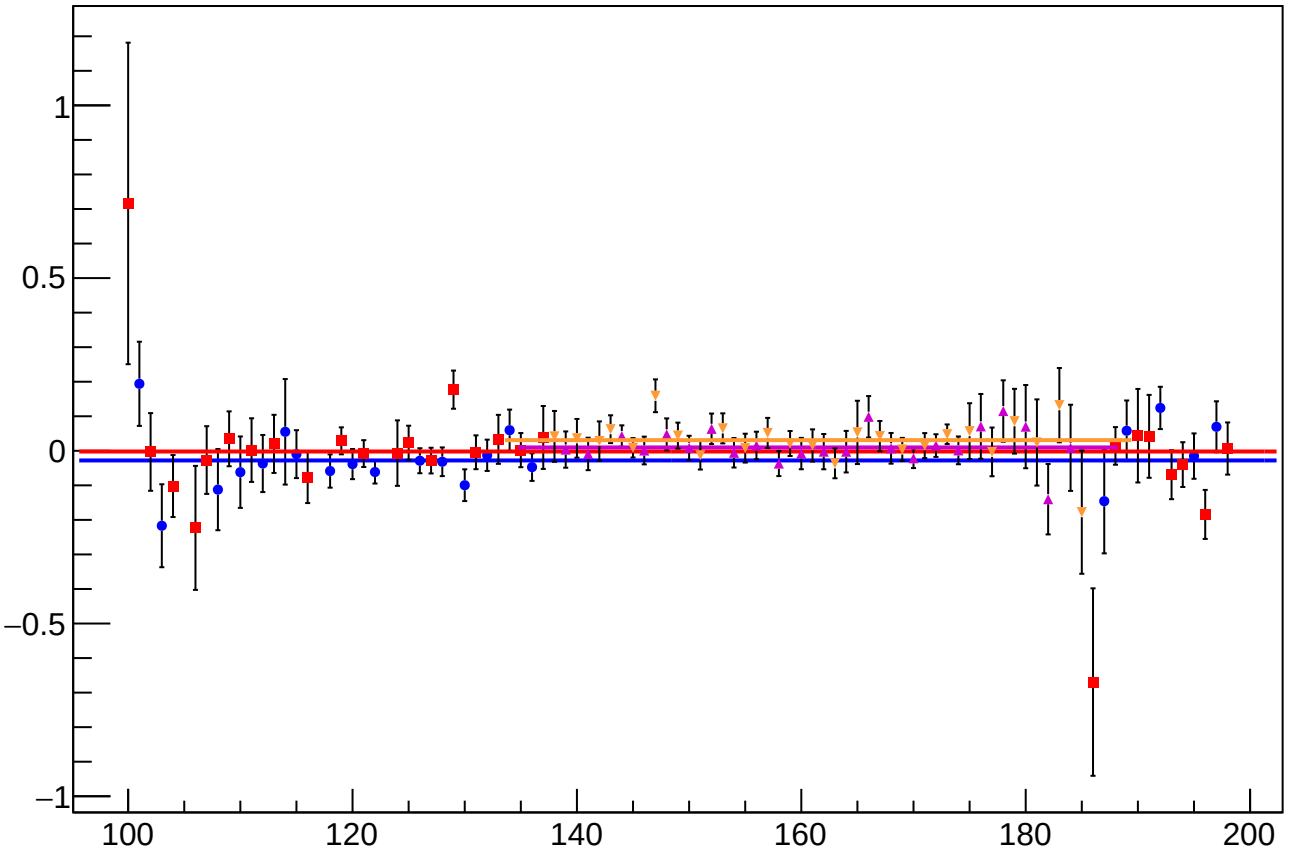
Right Out: 0.000+/-0.000 χ^2/NDF: 3283636.3/26

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6935720.6/45

All: 0.000+/-0.000 χ^2/NDF: 13536958.9/95

- sign 0.000+/-0.000 χ^2/NDF: 6540263.9/49



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/26

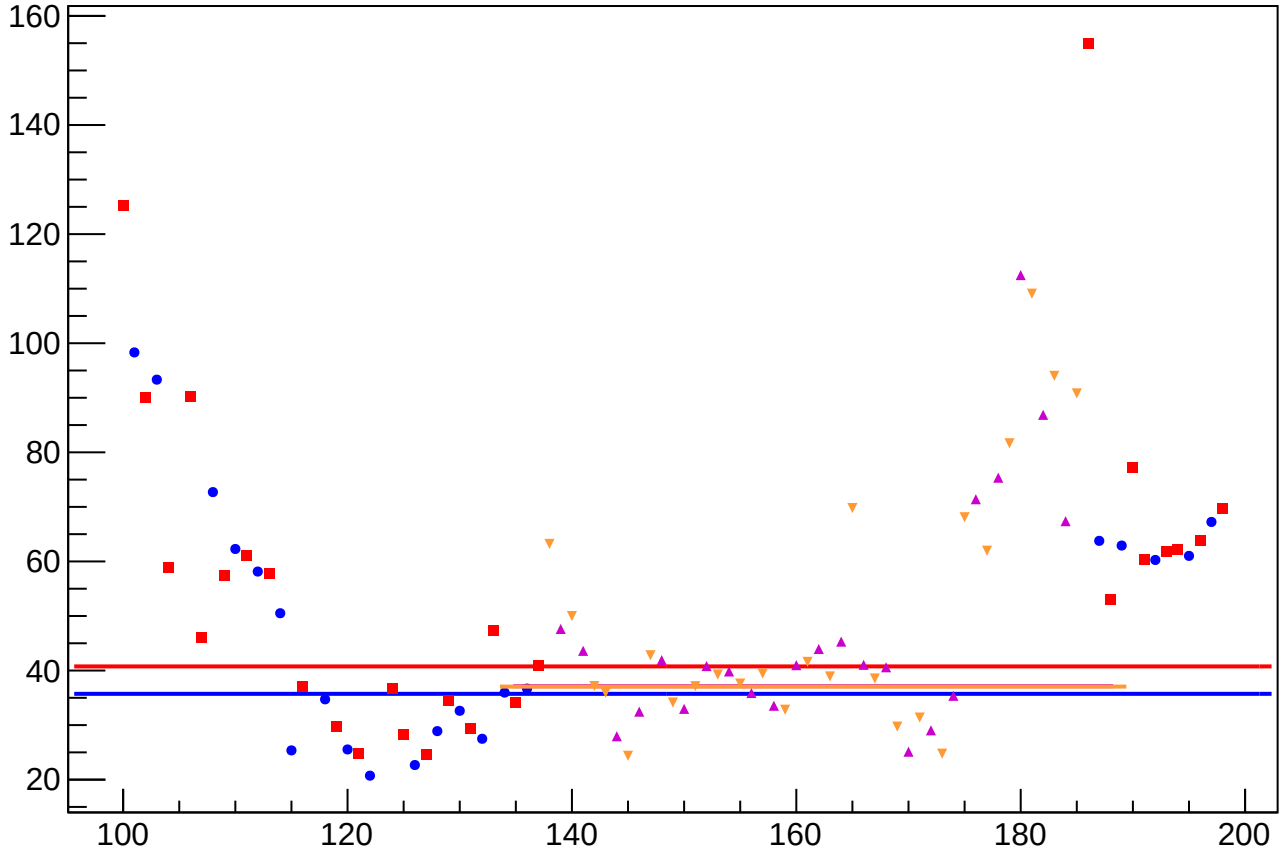
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/45

All: 0.008+/-0.005 χ^2/NDF: 102.4/95

- sign 0.006+/-0.008 χ^2/NDF: 46.9/49

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.731+/-0.009 χ^2/NDF: 3677723.4/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

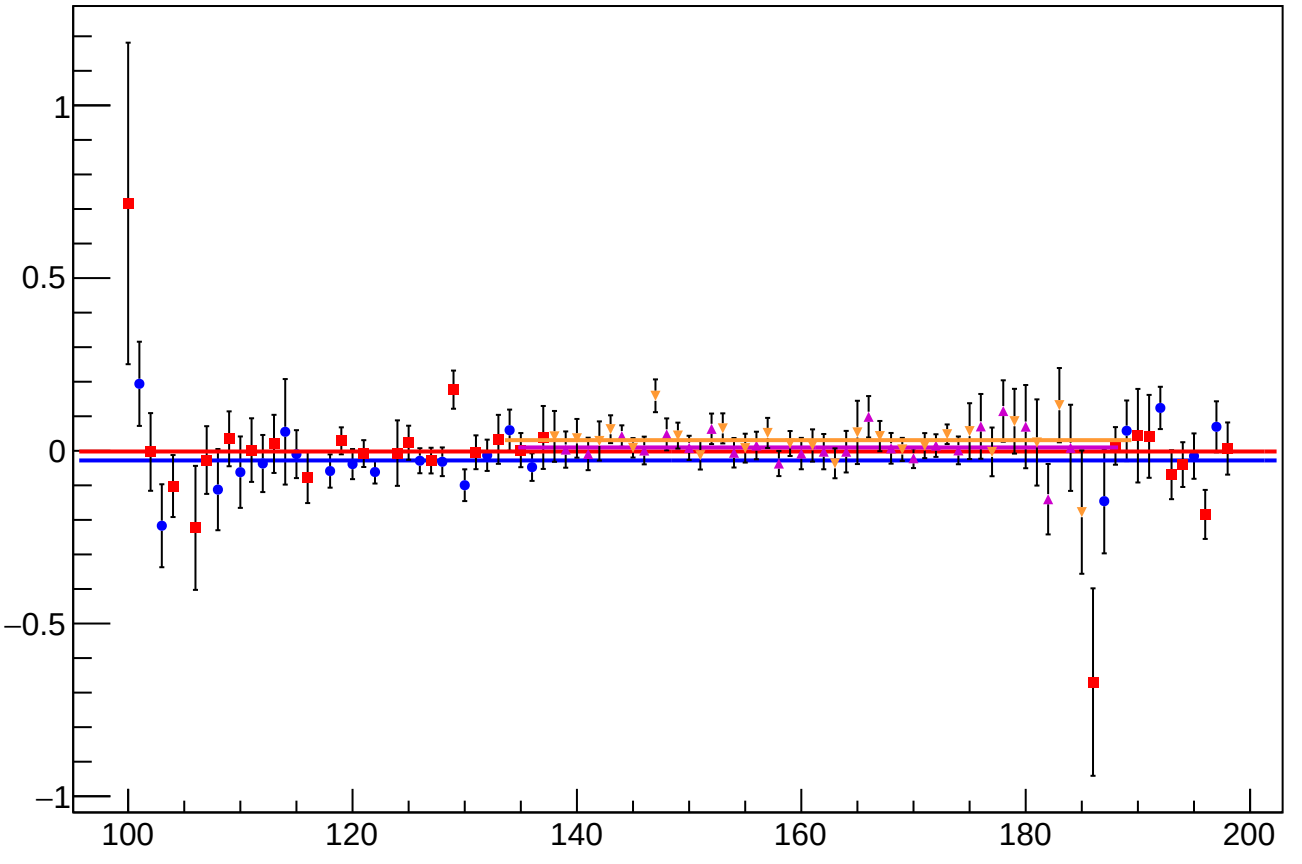
Right Out: 40.757+/-0.009 χ^2/NDF: 3713019.0/26

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.586+/-0.005 χ^2/NDF: 7746470.4/45

All: 37.476+/-0.004 χ^2/NDF: 14639624.1/95

- sign 38.417+/-0.005 χ^2/NDF: 6832375.2/49



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

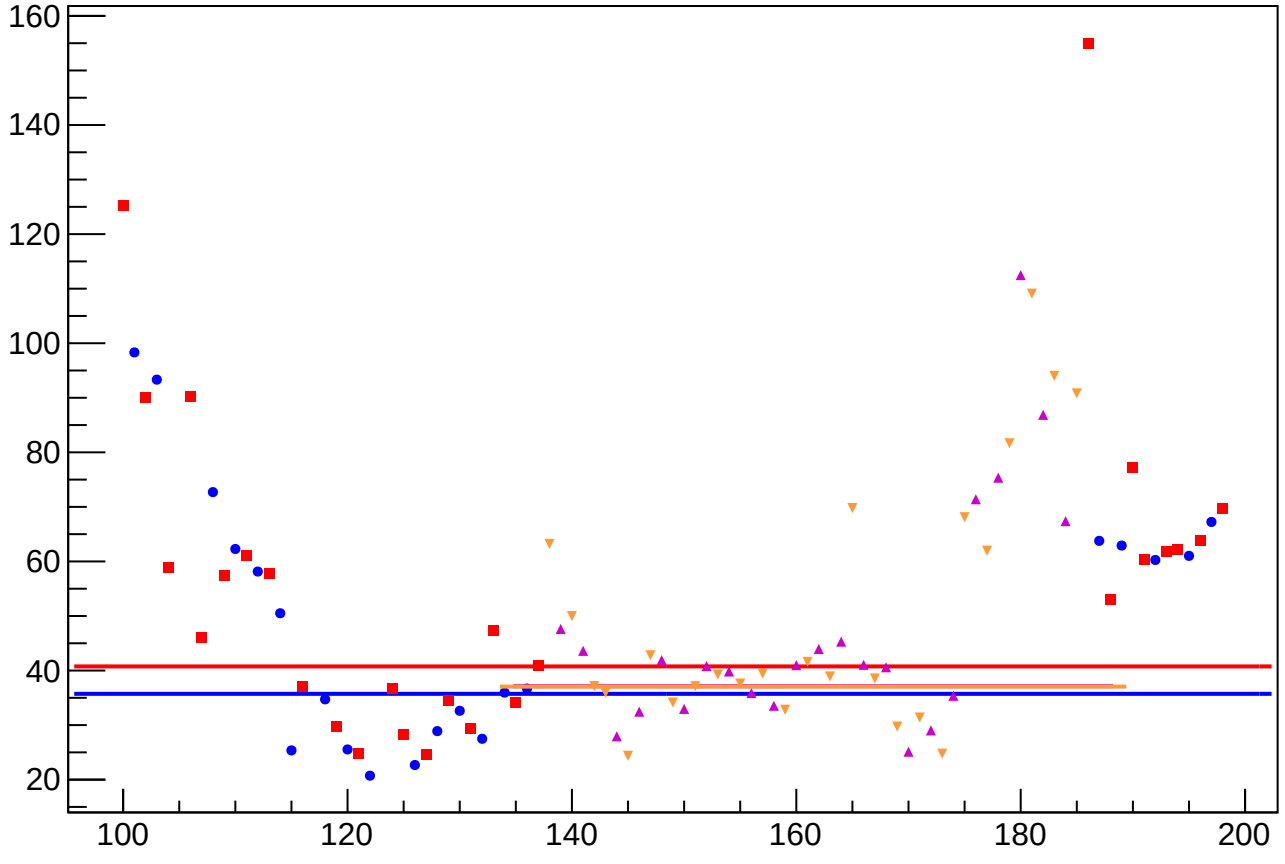
Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/26

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/45

All: 0.008+/-0.005 χ^2/NDF: 102.4/95

- sign 0.006+/-0.008 χ^2/NDF: 46.9/49



Right In: 35.731+/-0.009 χ^2/NDF: 3677723.4/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

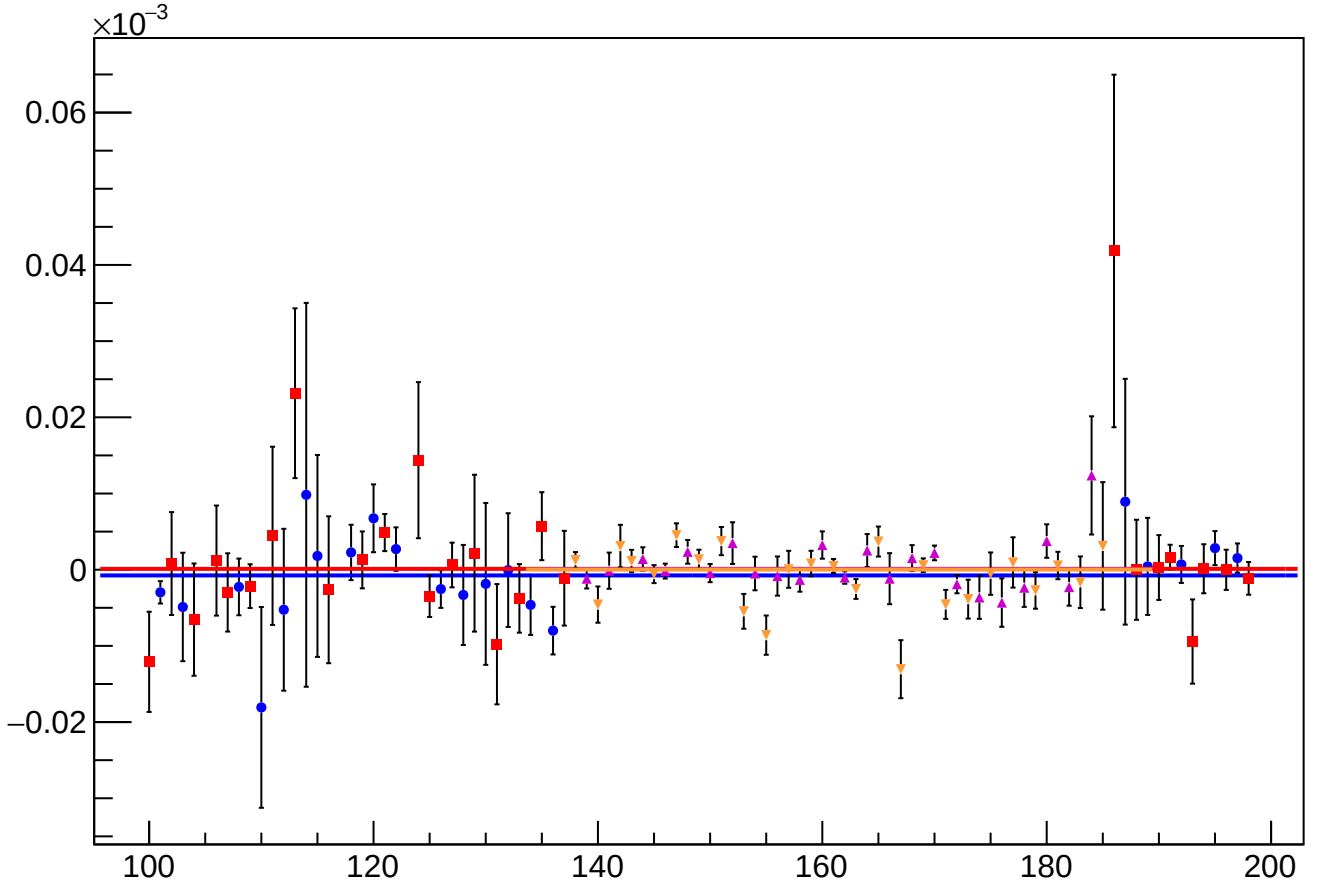
Right Out: 40.757+/-0.009 χ^2/NDF: 3713019.0/26

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.586+/-0.005 χ^2/NDF: 7746470.4/45

All: 37.476+/-0.004 χ^2/NDF: 14639624.1/95

- sign 38.417+/-0.005 χ^2/NDF: 6832375.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

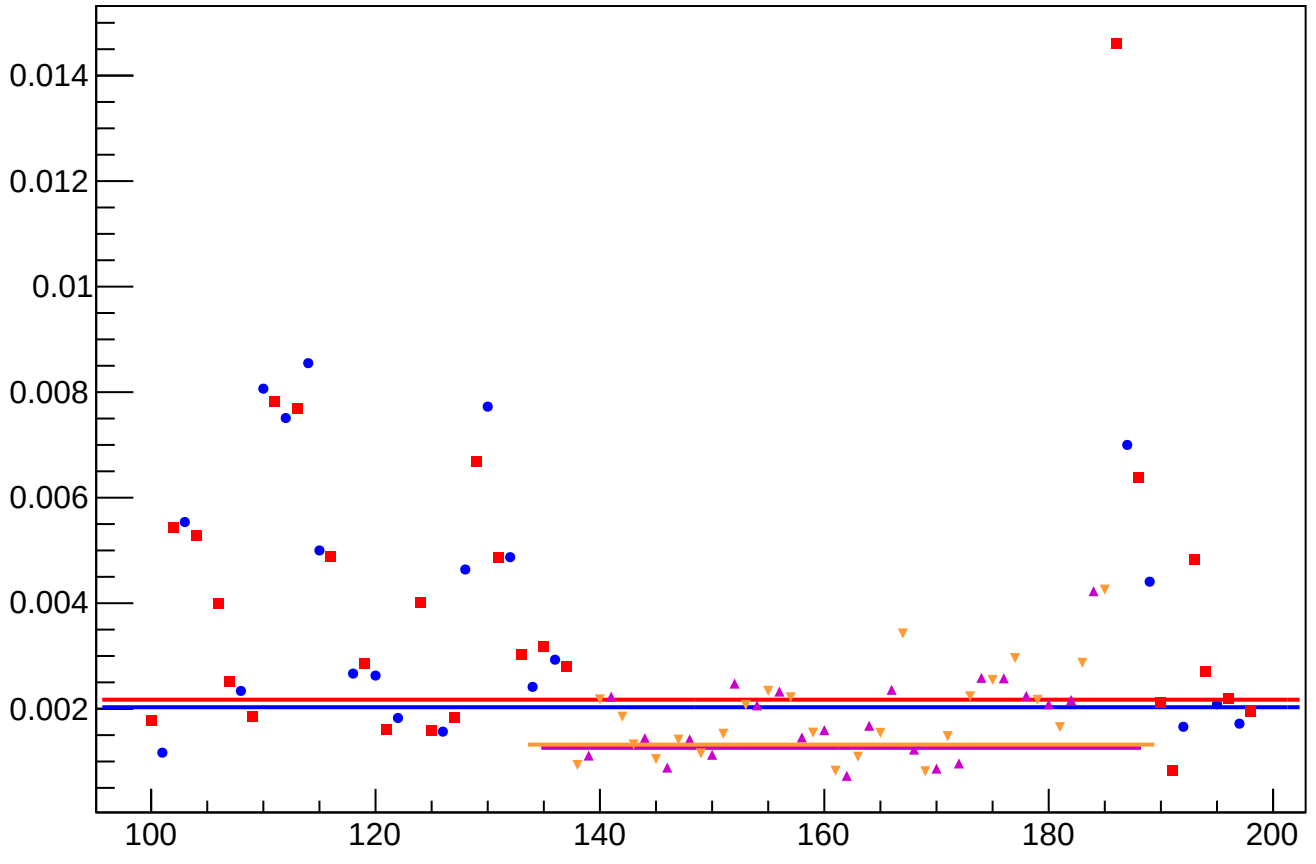
Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/26

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 90.2/45

All: -0.000+/-0.000 χ^2/NDF: 151.5/95

- sign 0.000+/-0.000 χ^2/NDF: 61.1/49



Right In: 0.002+/-0.000 χ^2/NDF: 4491612.4/20

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

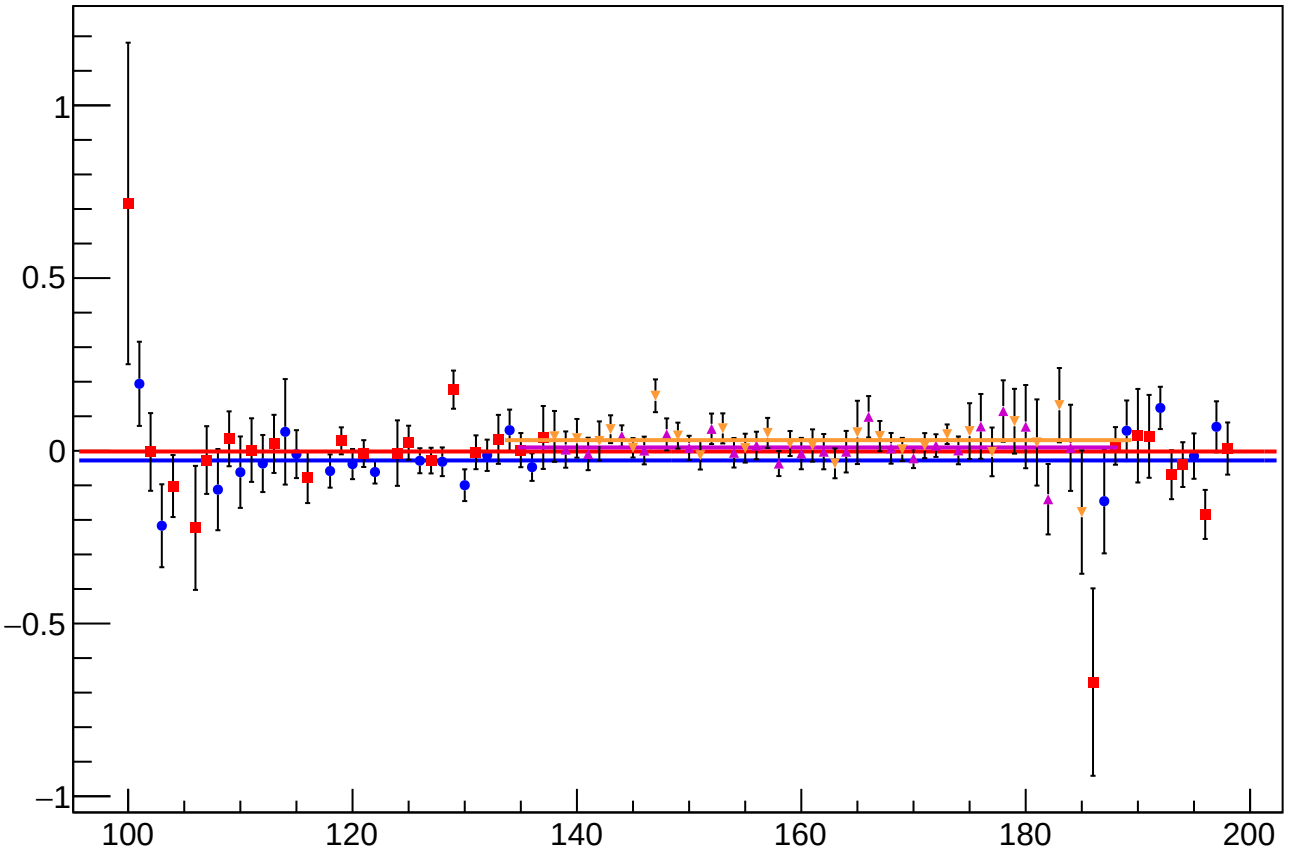
Right Out: 0.002+/-0.000 χ^2/NDF: 6580912.2/26

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 11686597.3/45

All: 0.001+/-0.000 χ^2/NDF: 26238548.8/95

- sign 0.001+/-0.000 χ^2/NDF: 14542117.3/49



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

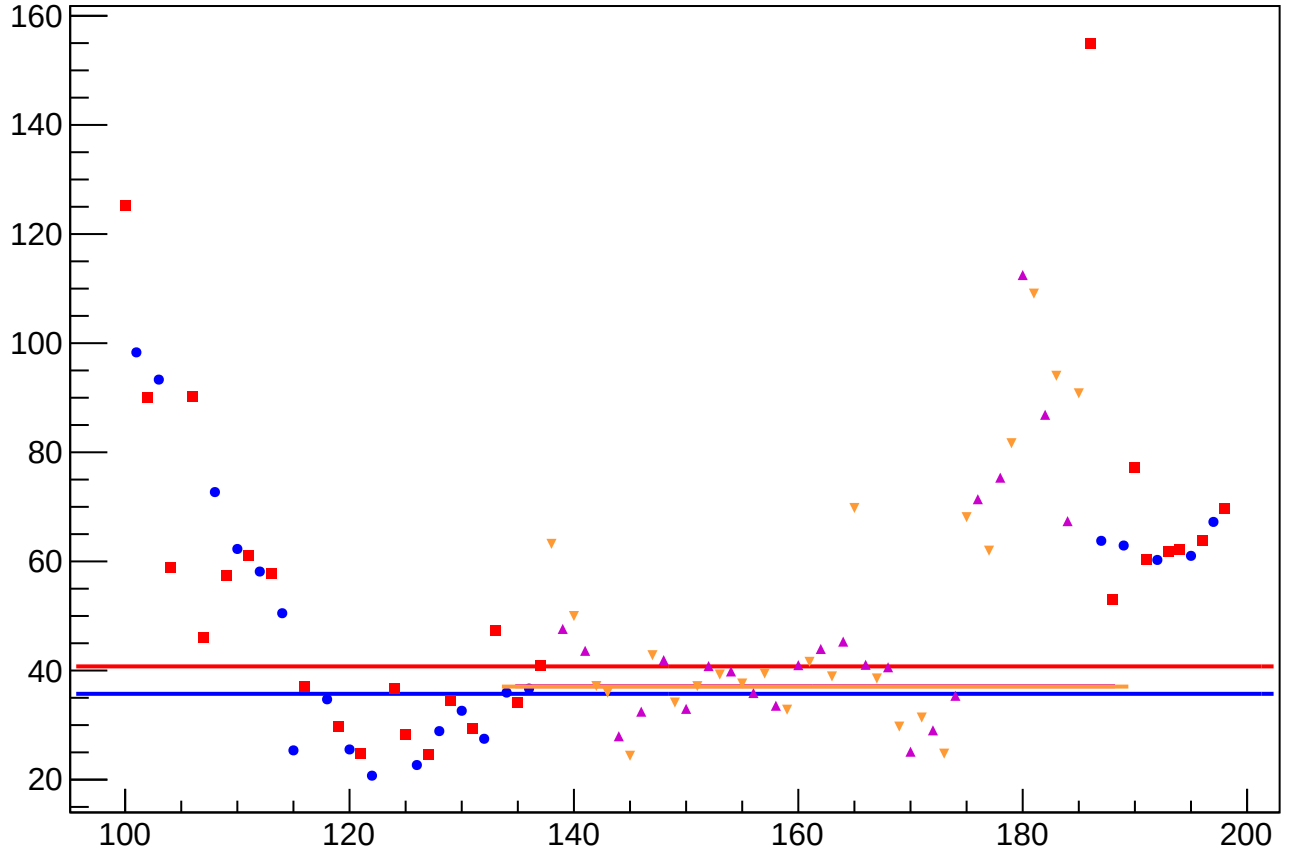
Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/26

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/45

All: 0.008+/-0.005 χ^2/NDF: 102.4/95

- sign 0.006+/-0.008 χ^2/NDF: 46.9/49



Right In: 35.731+/-0.009 χ^2/NDF: 3677674.2/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

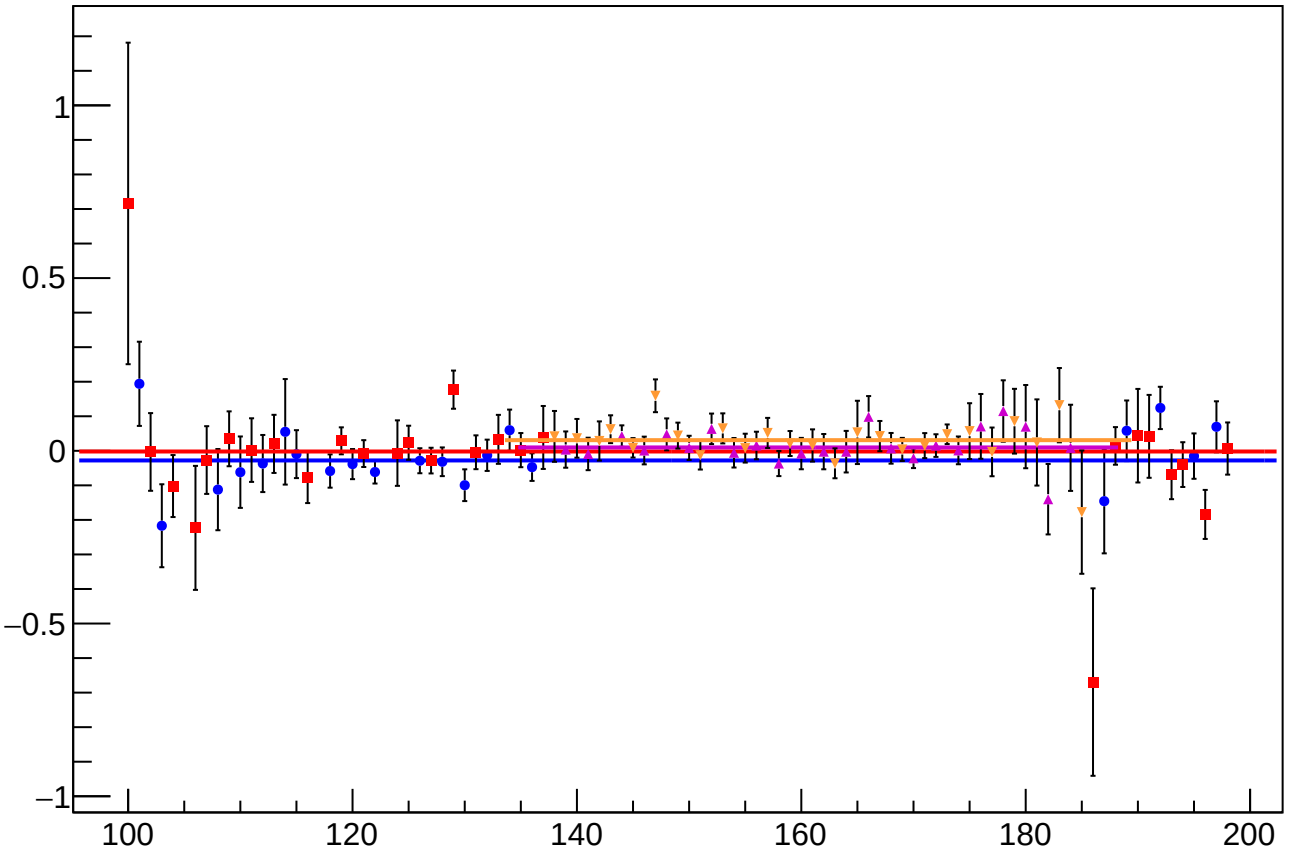
Right Out: 40.758+/-0.009 χ^2/NDF: 3712840.4/26

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.586+/-0.005 χ^2/NDF: 7746420.9/45

All: 37.476+/-0.004 χ^2/NDF: 14639396.6/95

- sign 38.417+/-0.005 χ^2/NDF: 6832197.7/49



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

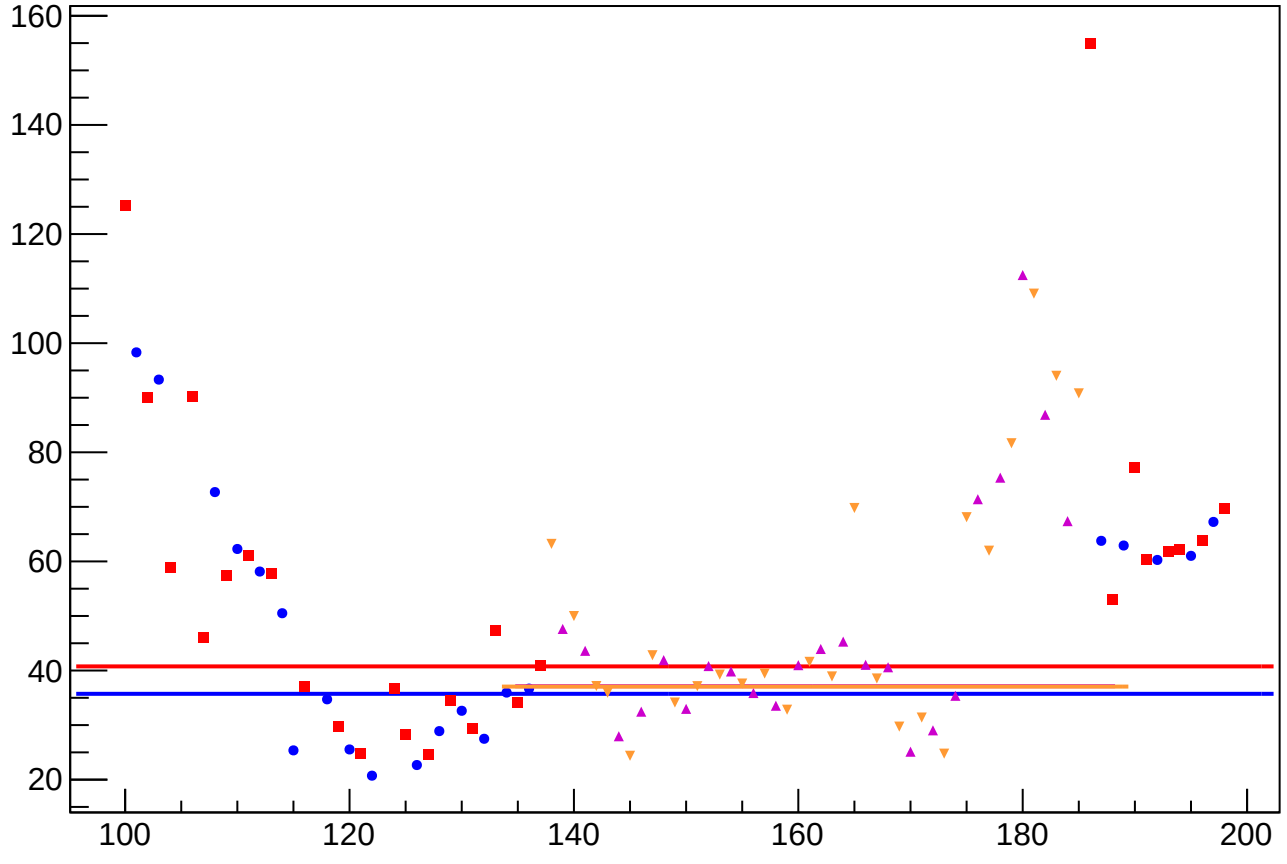
Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/26

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/45

All: 0.008+/-0.005 χ^2/NDF: 102.4/95

- sign 0.006+/-0.008 χ^2/NDF: 46.9/49



Right In: 35.731+/-0.009 χ^2/NDF: 3677674.2/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

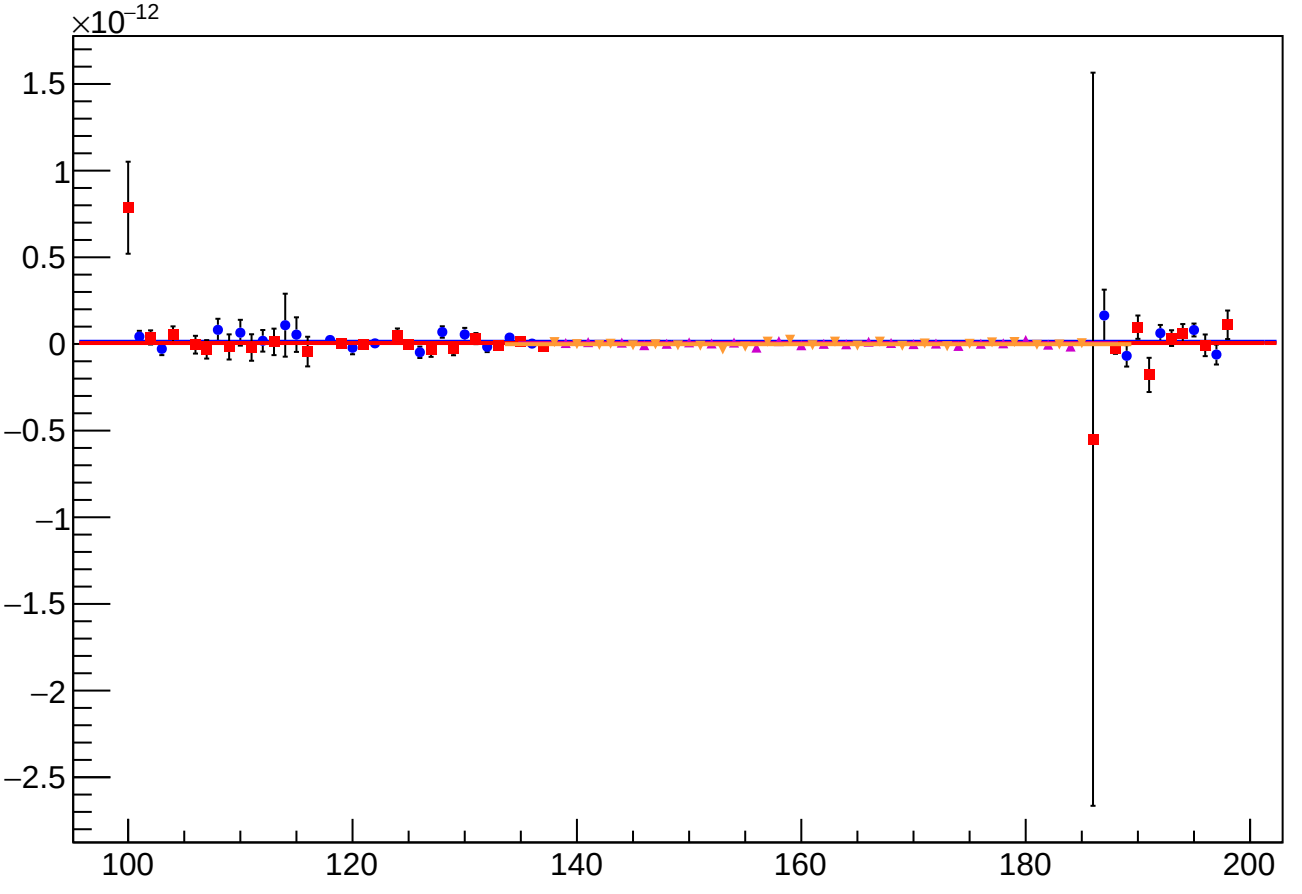
Right Out: 40.758+/-0.009 χ^2/NDF: 3712840.4/26

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.586+/-0.005 χ^2/NDF: 7746420.9/45

All: 37.476+/-0.004 χ^2/NDF: 14639396.6/95

- sign 38.417+/-0.005 χ^2/NDF: 6832197.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

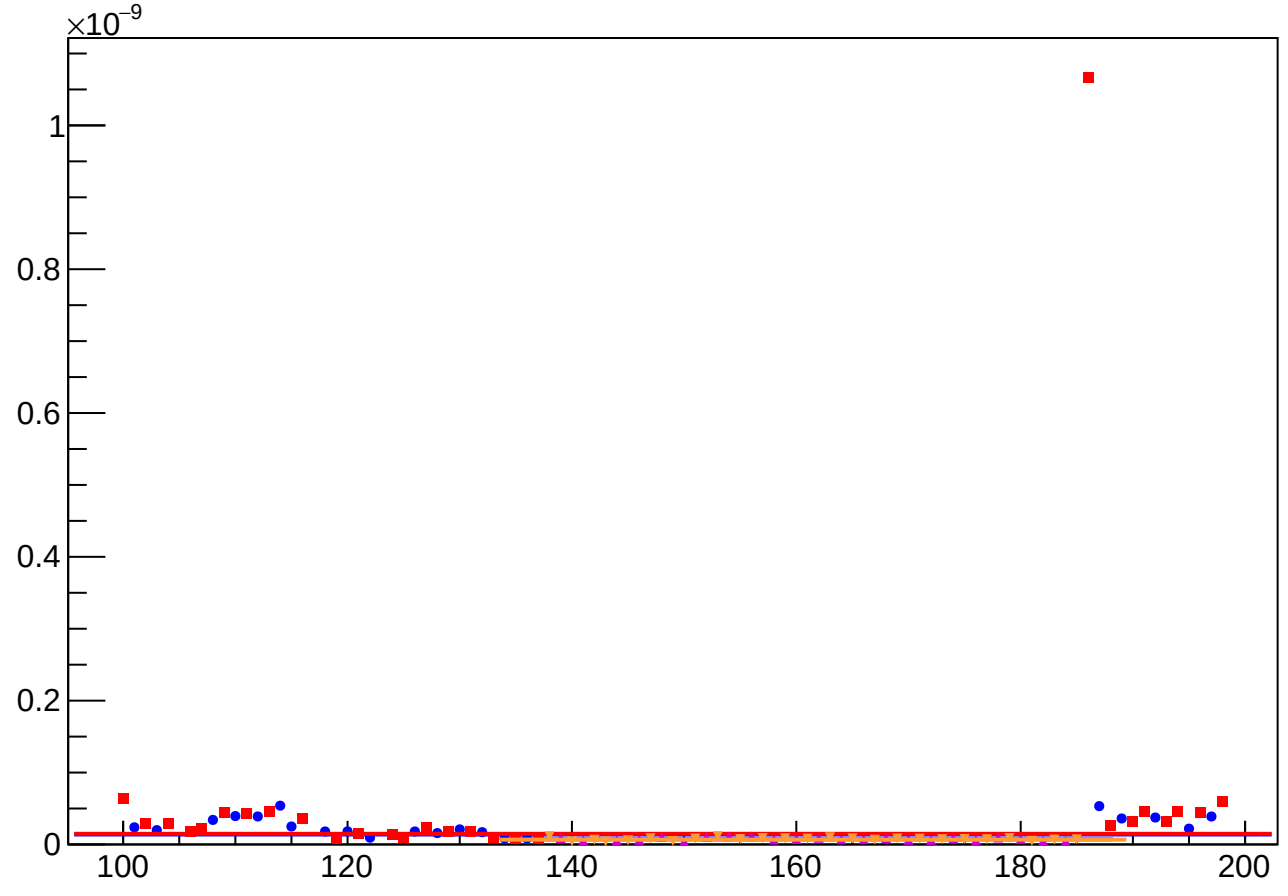
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/26

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.3/45

All: 0.000+/-0.000 χ^2/NDF: 105.4/95

- sign 0.000+/-0.000 χ^2/NDF: 47.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 3615196.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5953383.8/26

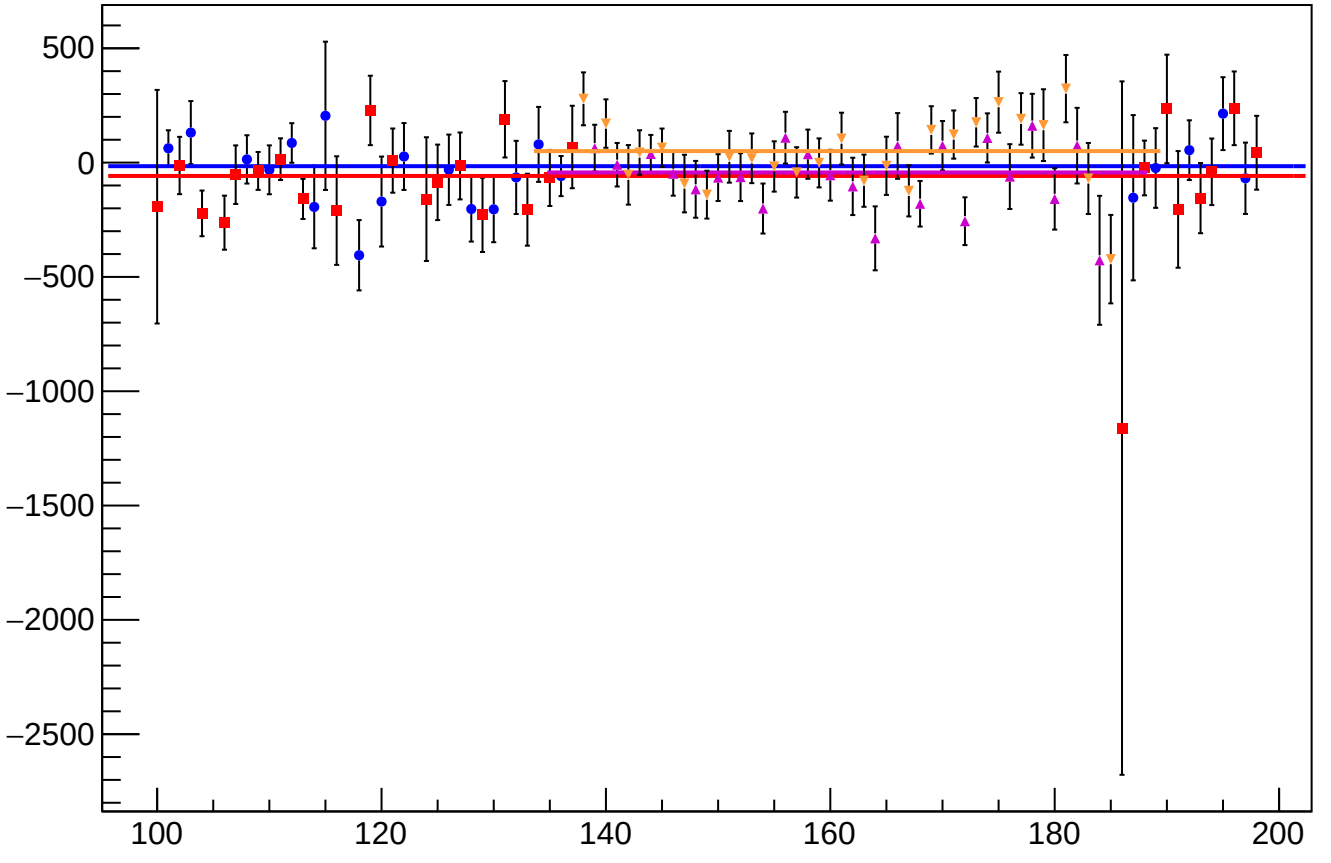
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8014129.5/45

All: 0.000+/-0.000 χ^2/NDF: 18169144.5/95

- sign 0.000+/-0.000 χ^2/NDF: 10077279.5/49

reg_asym_sam_1548_avg_mean vs Slug



Right In: -15.649+/-28.809 χ^2/NDF: 18.9/20

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -58.305+/-26.861 χ^2/NDF: 23.7/26

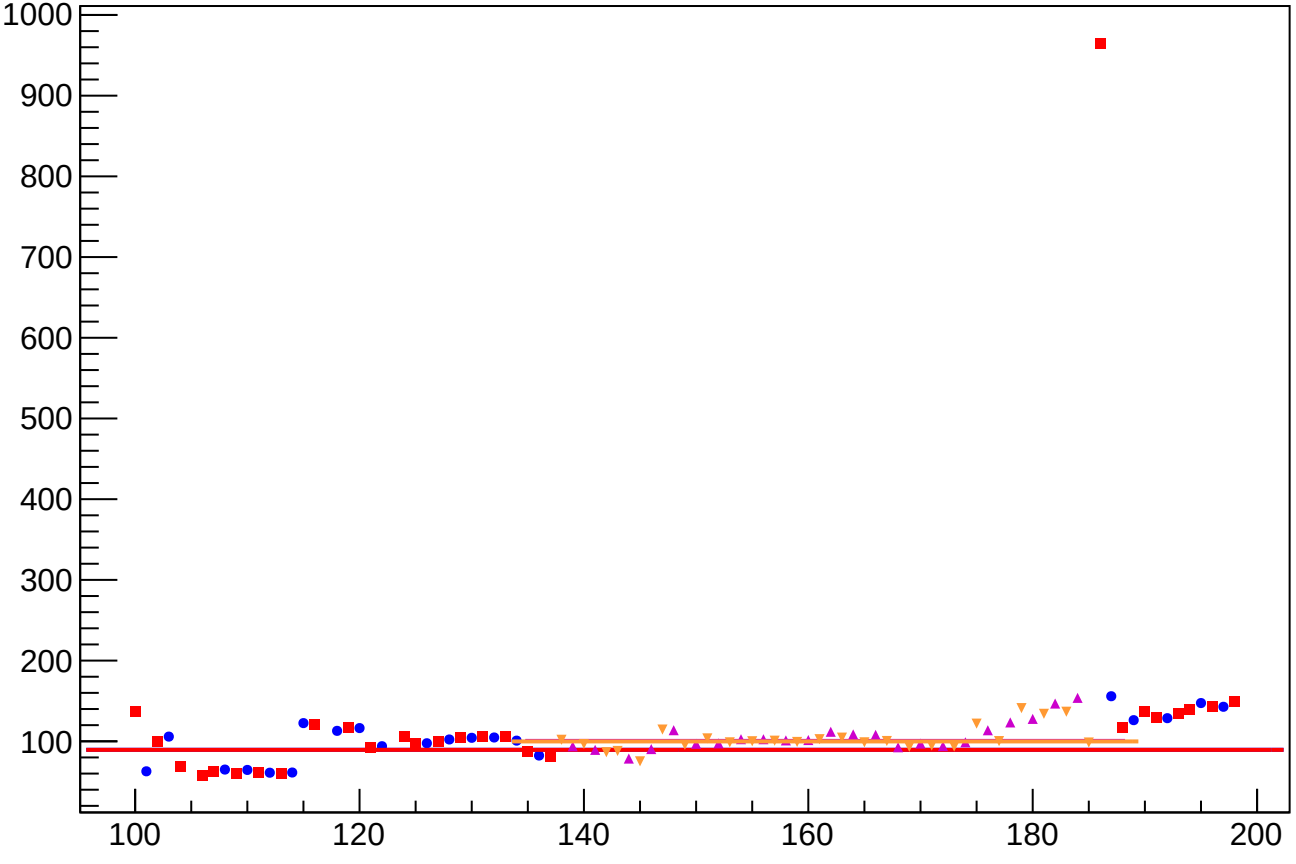
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 24.694+/-17.954 χ^2/NDF: 55.6/45

All: -12.848+/-12.639 χ^2/NDF: 114.7/95

- sign -49.732+/-17.796 χ^2/NDF: 50.5/49

reg_asym_sam_1548_avg_rms vs Slug



Right In: 89.480+/-0.020 χ^2/NDF: 1761271.3/20

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 89.391+/-0.019 χ^2/NDF: 3012987.8/26

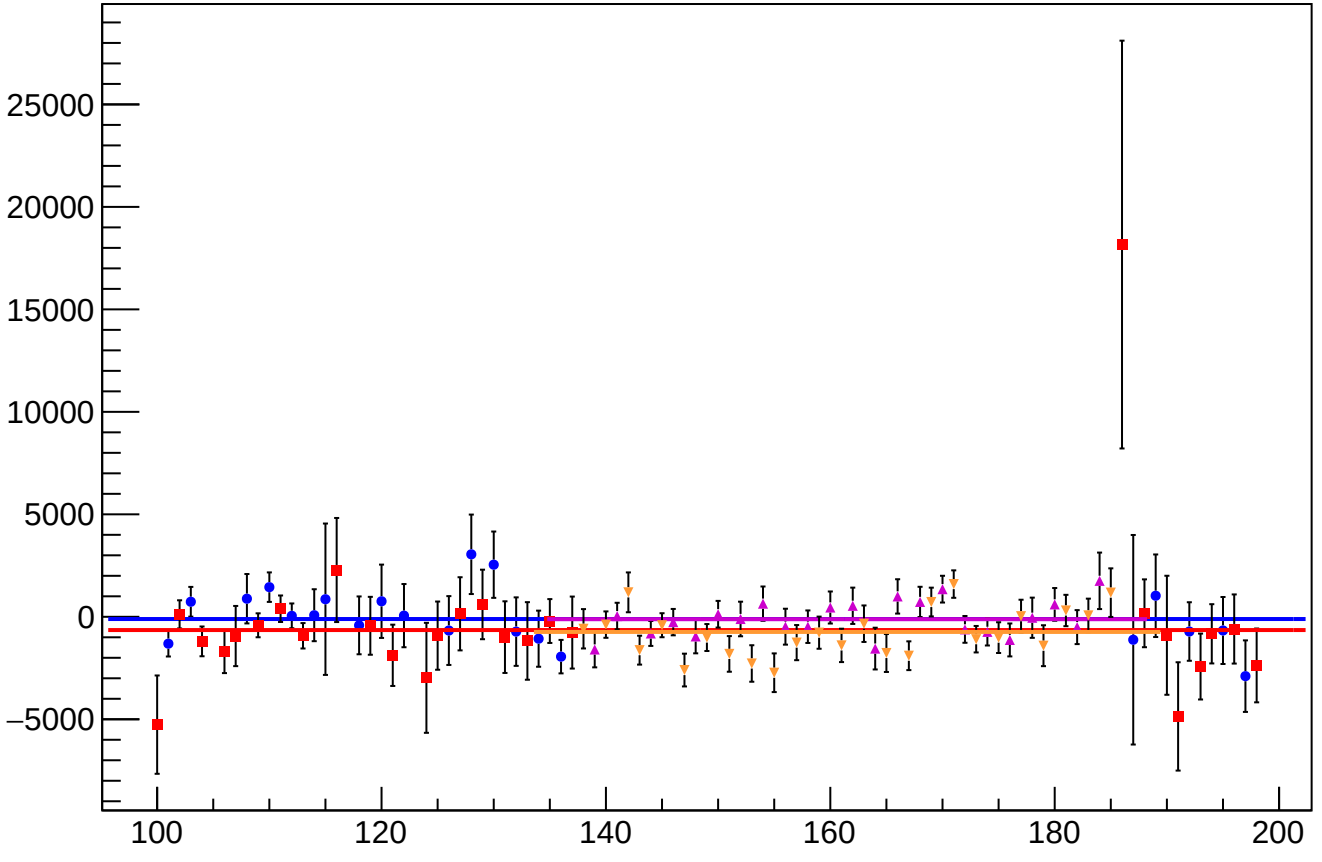
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 95.816+/-0.013 χ^2/NDF: 2617194.3/45

All: 95.718+/-0.009 χ^2/NDF: 6479009.5/95

- sign 95.623+/-0.013 χ^2/NDF: 3861699.0/49

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -108.450+/-245.306 χ^2/NDF: 25.2/20

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -646.540+/-225.054 χ^2/NDF: 21.9/26

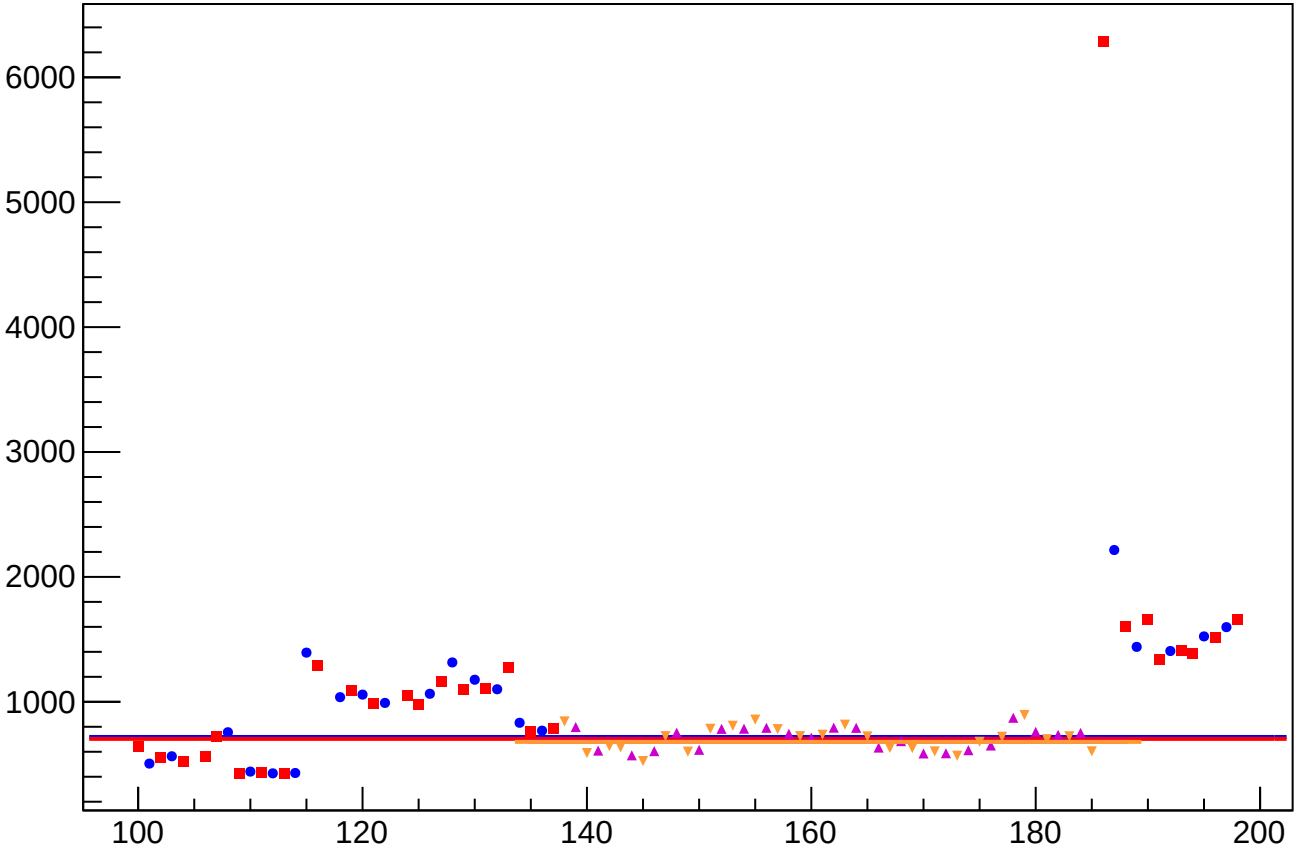
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -556.458+/-131.823 χ^2/NDF: 79.5/45

All: -425.023+/-92.898 χ^2/NDF: 130.9/95

- sign -295.348+/-130.938 χ^2/NDF: 49.4/49

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 718.304+/-0.173 χ^2/NDF: 3939826.7/20

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 703.318+/-0.159 χ^2/NDF: 5840812.8/26

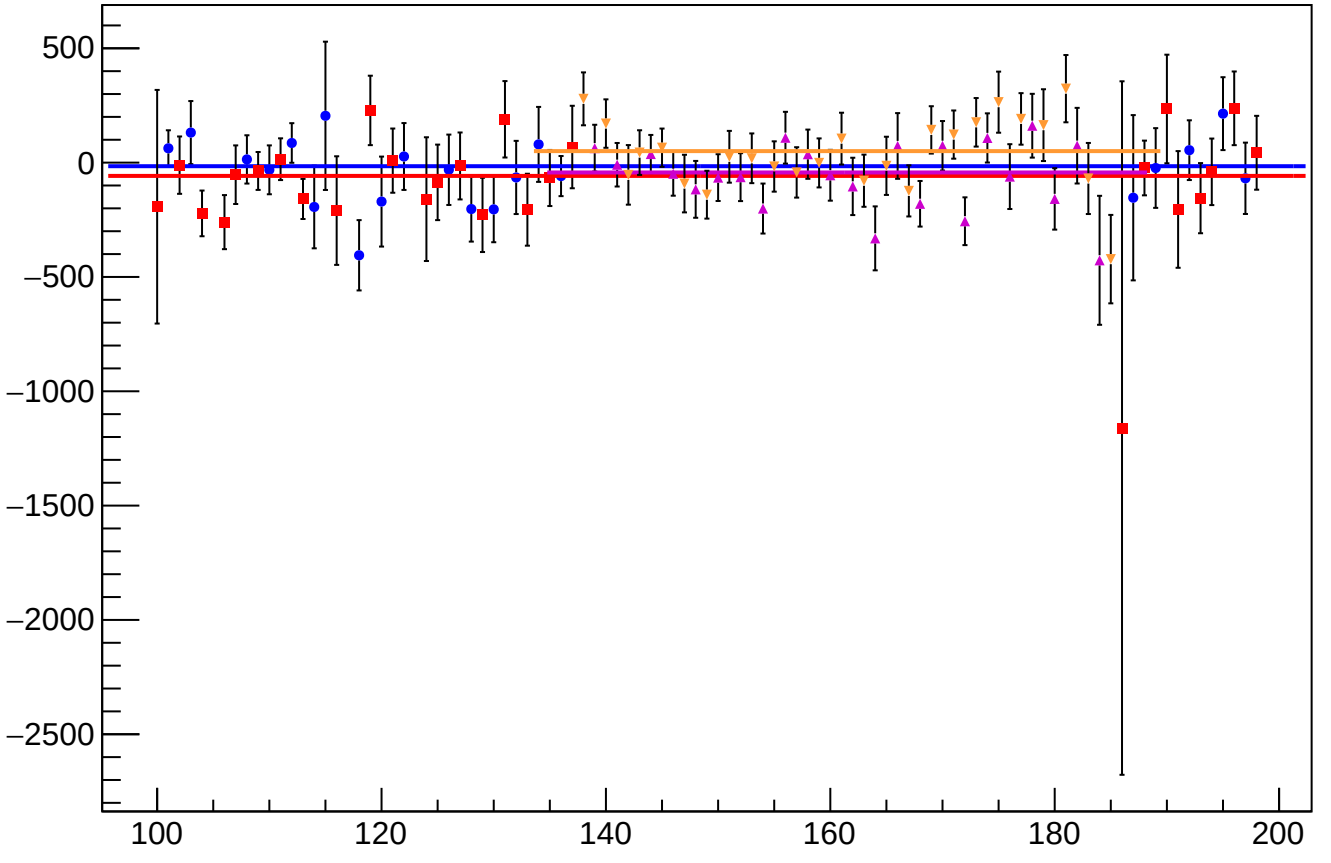
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 690.454+/-0.093 χ^2/NDF: 4713491.8/45

All: 689.795+/-0.066 χ^2/NDF: 11140206.5/95

- sign 689.145+/-0.093 χ^2/NDF: 6426615.5/49

cor_asym_sam_1548_avg_mean vs Slug



Right In: -15.651+/-28.809 χ^2/NDF: 18.9/20

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -58.090+/-26.863 χ^2/NDF: 23.6/26

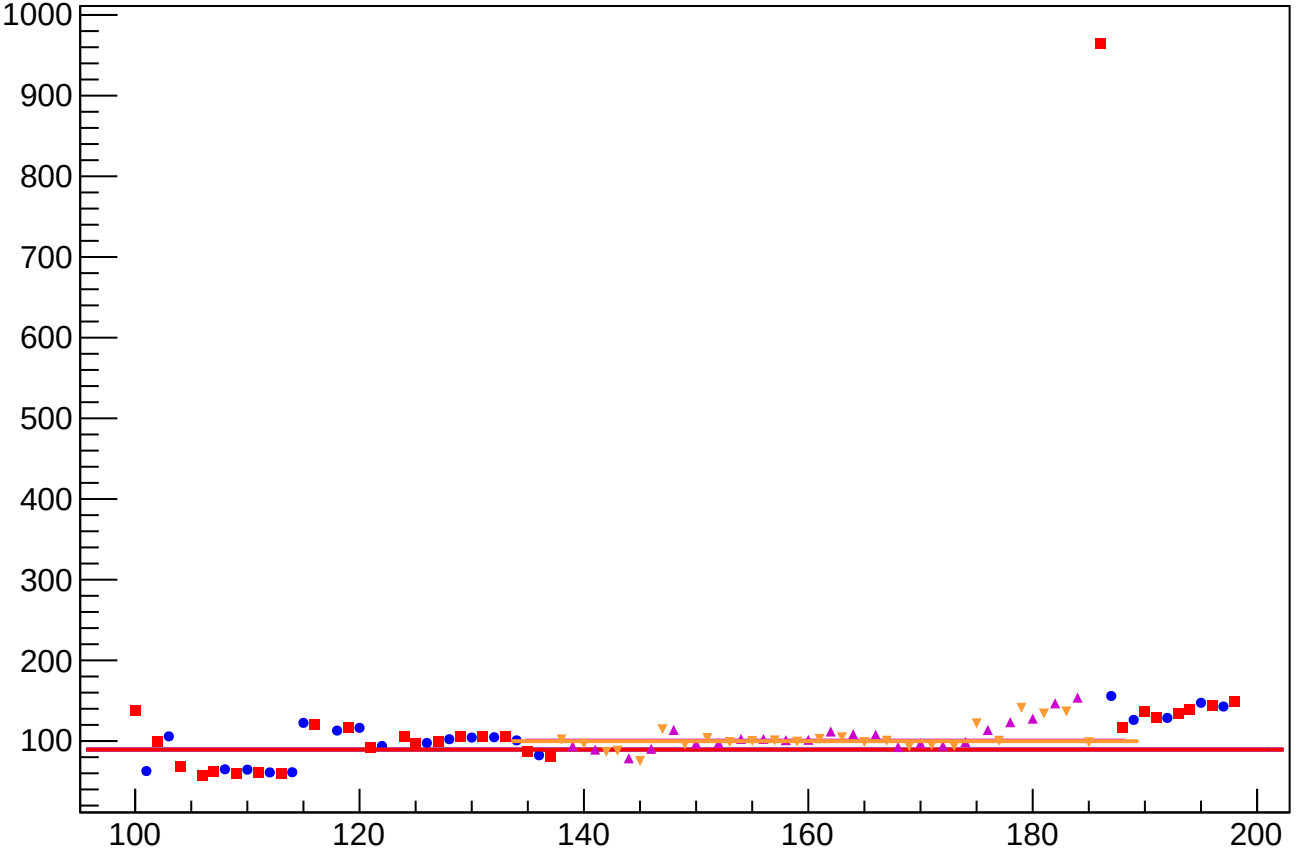
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 24.699+/-17.954 χ^2/NDF: 55.6/45

All: -12.797+/-12.639 χ^2/NDF: 114.6/95

- sign -49.638+/-17.796 χ^2/NDF: 50.4/49

cor_asym_sam_1548_avg_rms vs Slug



Right In: 89.480+/-0.020 χ^2/NDF: 1761273.0/20

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 89.377+/-0.019 χ^2/NDF: 3016015.8/26

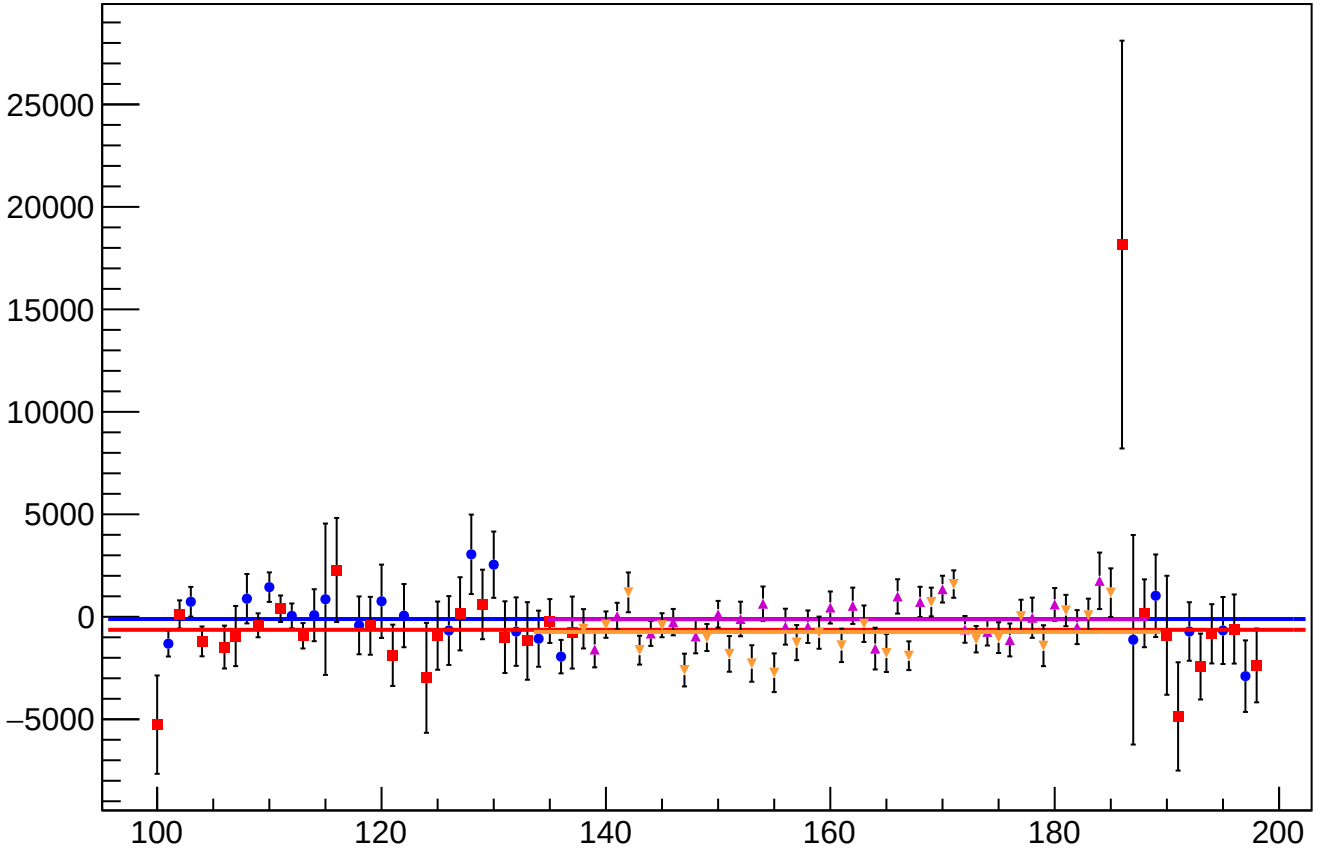
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 95.816+/-0.013 χ^2/NDF: 2617195.5/45

All: 95.715+/-0.009 χ^2/NDF: 6482516.2/95

\- sign 95.617+/-0.013 χ^2/NDF: 3865197.3/49

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -108.476+/-245.309 χ^2/NDF: 25.2/20

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -635.107+/-225.178 χ^2/NDF: 21.5/26

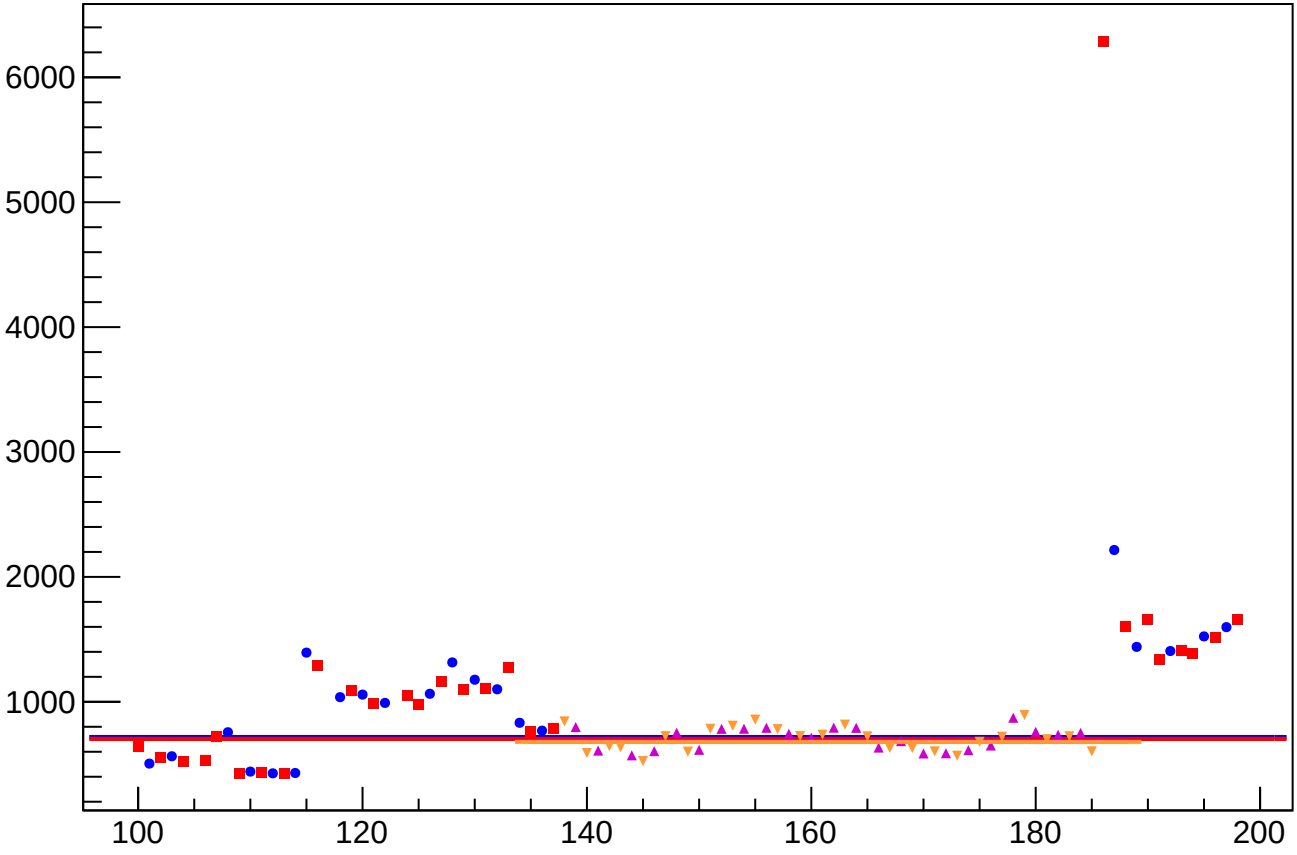
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -556.460+/-131.824 χ^2/NDF: 79.5/45

All: -423.036+/-92.907 χ^2/NDF: 130.3/95

- sign -291.350+/-130.962 χ^2/NDF: 48.8/49

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 718.314+/-0.173 χ^2/NDF: 3939740.2/20

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 701.935+/-0.159 χ^2/NDF: 5859184.9/26

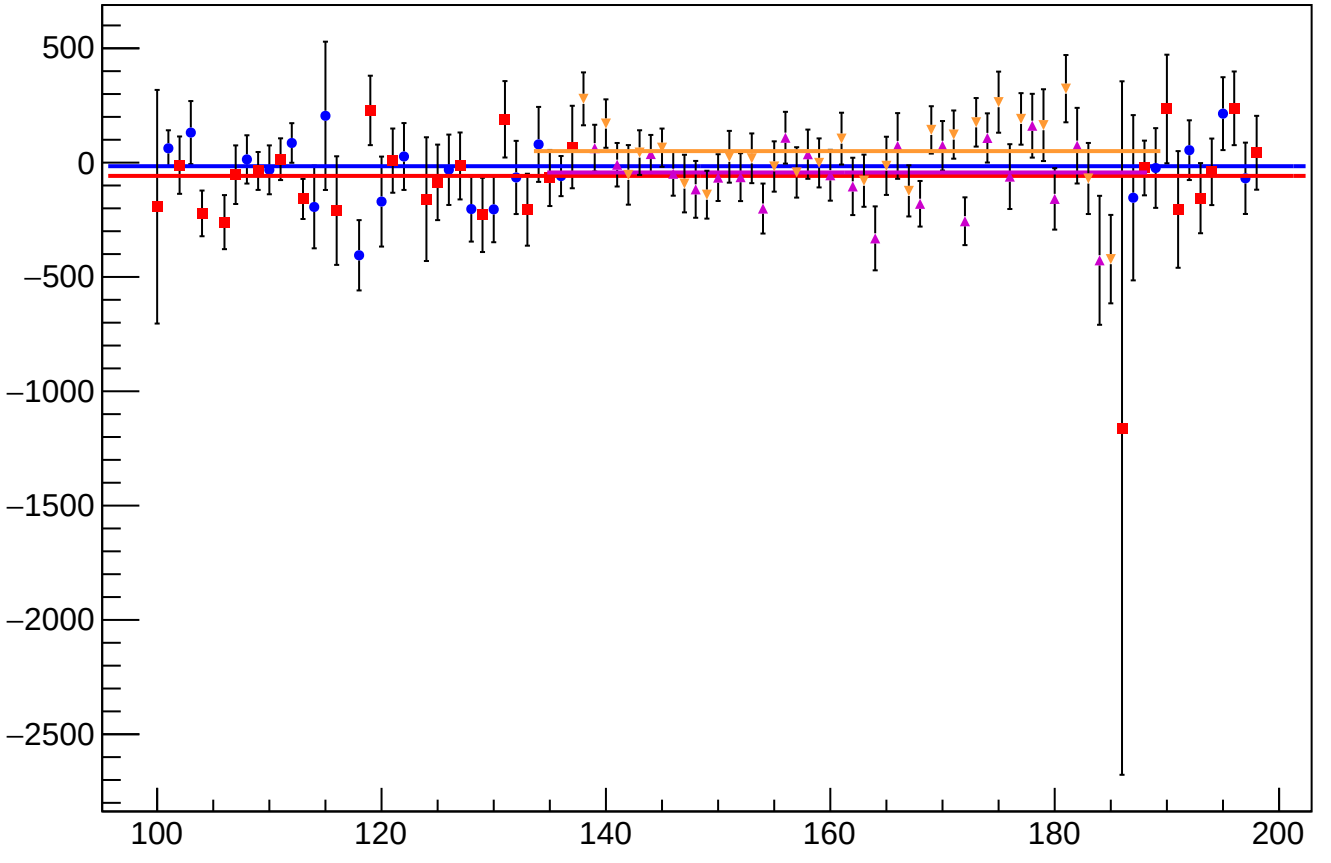
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 690.457+/-0.093 χ^2/NDF: 4713421.9/45

All: 689.559+/-0.066 χ^2/NDF: 11157089.6/95

- sign 688.672+/-0.093 χ^2/NDF: 6443483.2/49

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -15.651+/-28.809 χ^2/NDF: 18.9/20

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -58.090+/-26.863 χ^2/NDF: 23.6/26

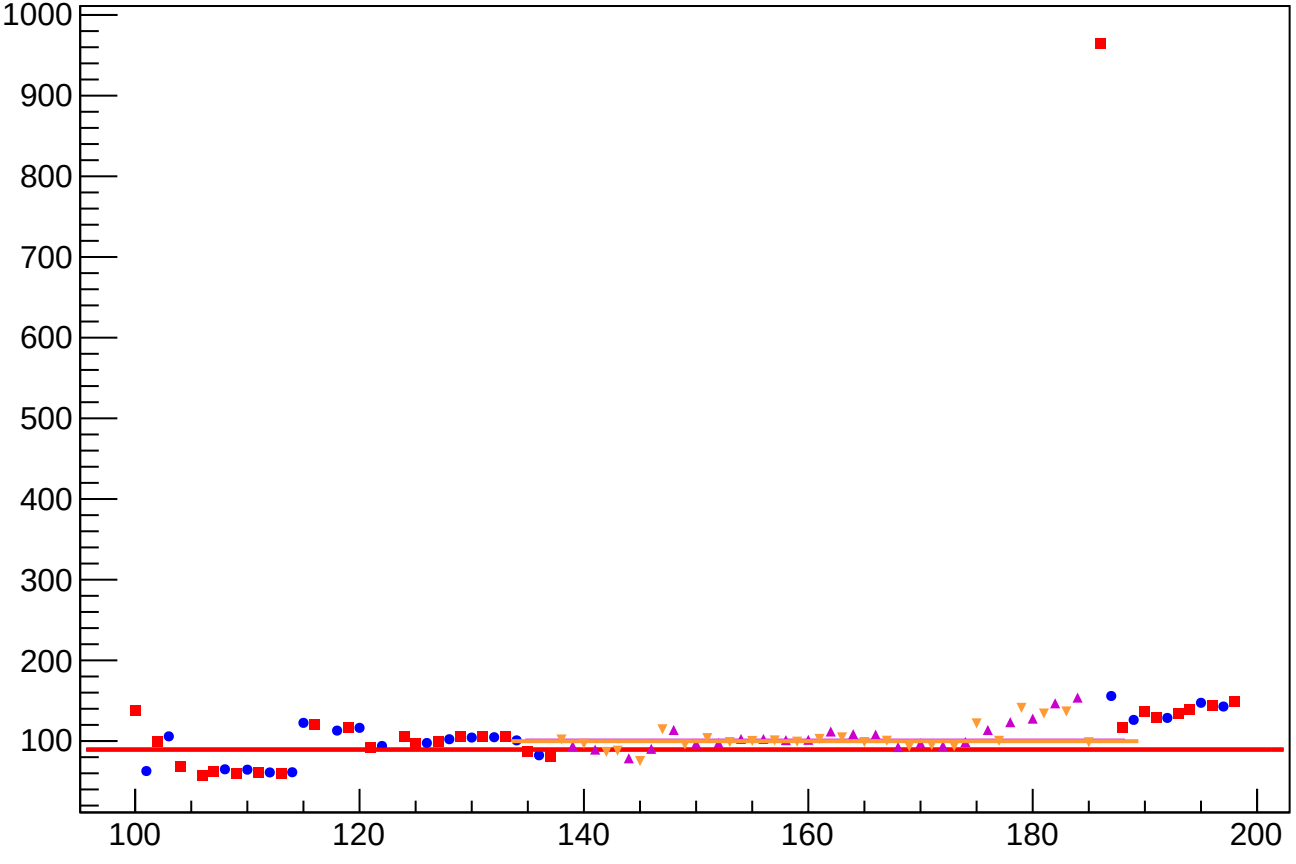
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 24.699+/-17.954 χ^2/NDF: 55.6/45

All: -12.797+/-12.639 χ^2/NDF: 114.6/95

- sign -49.638+/-17.796 χ^2/NDF: 50.4/49

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 89.480+/-0.020 χ^2/NDF: 1761273.0/20

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

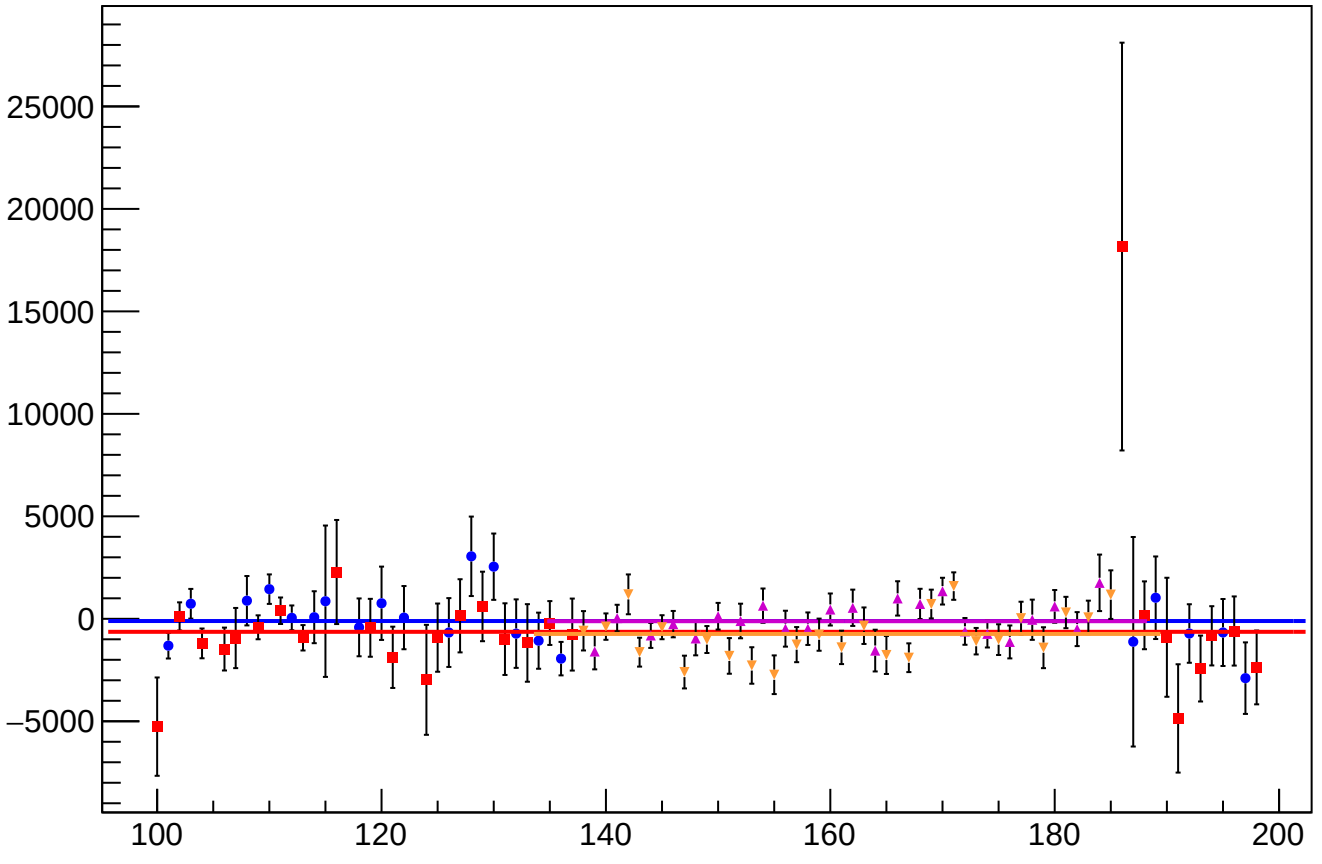
Right Out: 89.377+/-0.019 χ^2/NDF: 3016015.8/26

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 95.816+/-0.013 χ^2/NDF: 2617195.5/45

All: 95.715+/-0.009 χ^2/NDF: 6482516.2/95

- sign 95.617+/-0.013 χ^2/NDF: 3865197.3/49



Right In: -108.476+/-245.309 χ^2/NDF: 25.2/20

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

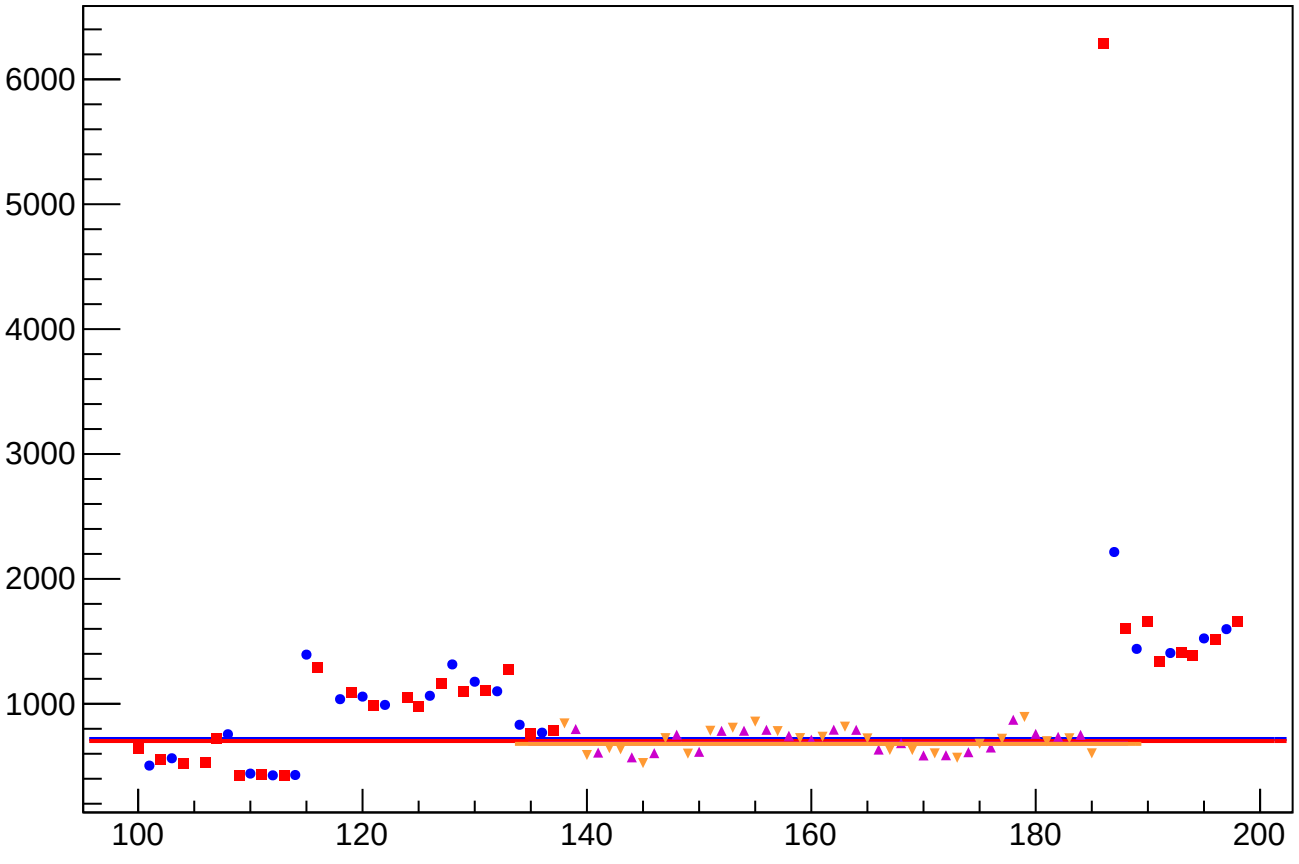
Right Out: -635.107+/-225.178 χ^2/NDF: 21.5/26

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -556.460+/-131.824 χ^2/NDF: 79.5/45

All: -423.036+/-92.907 χ^2/NDF: 130.3/95

- sign -291.350+/-130.962 χ^2/NDF: 48.8/49



Right In: 718.314+/-0.173 χ^2/NDF: 3939740.2/20

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 701.935+/-0.159 χ^2/NDF: 5859184.9/26

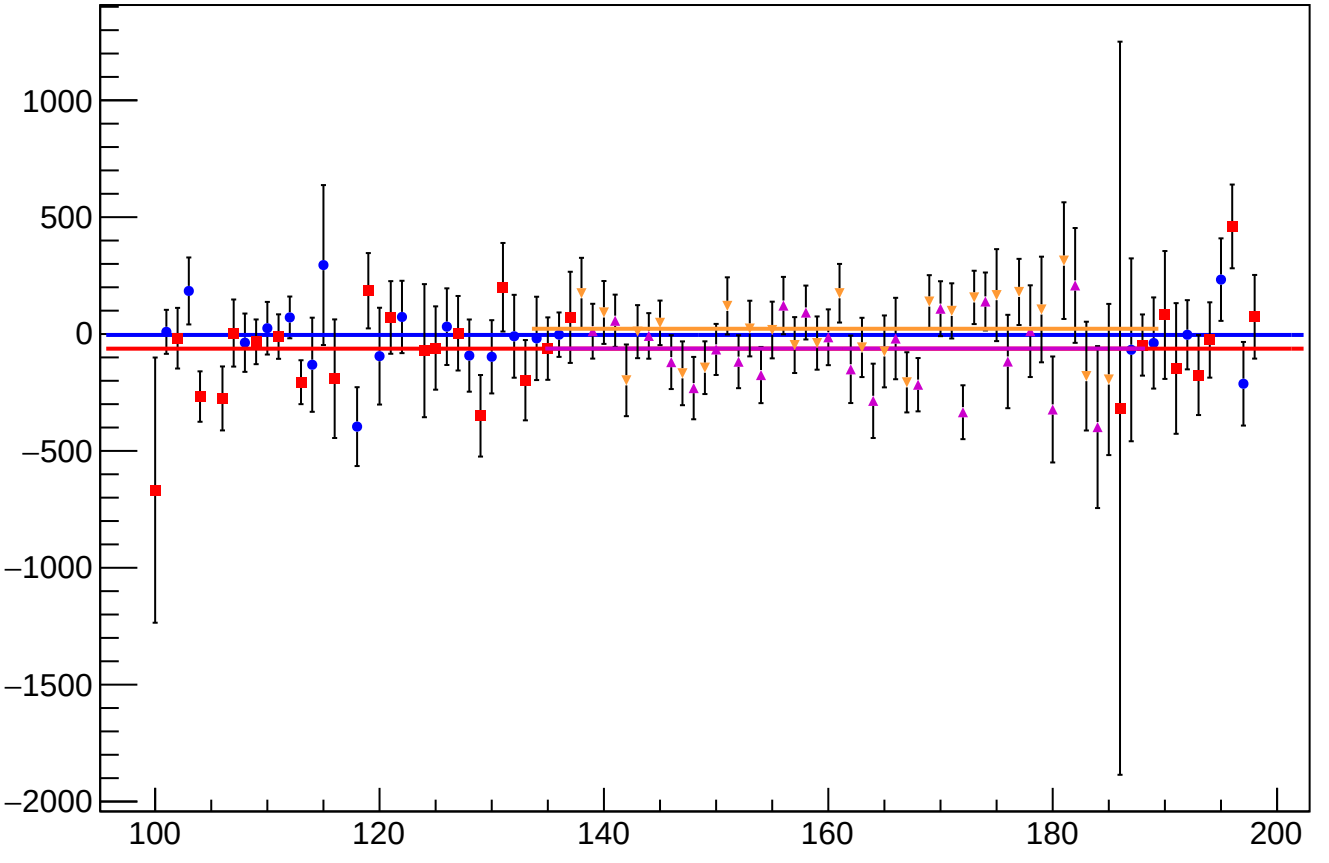
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 690.457+/-0.093 χ^2/NDF: 4713421.9/45

All: 689.559+/-0.066 χ^2/NDF: 11157089.6/95

- sign 688.672+/-0.093 χ^2/NDF: 6443483.2/49

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.890+/-31.636 χ^2/NDF: 13.6/20

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -62.610+/-29.373 χ^2/NDF: 29.5/26

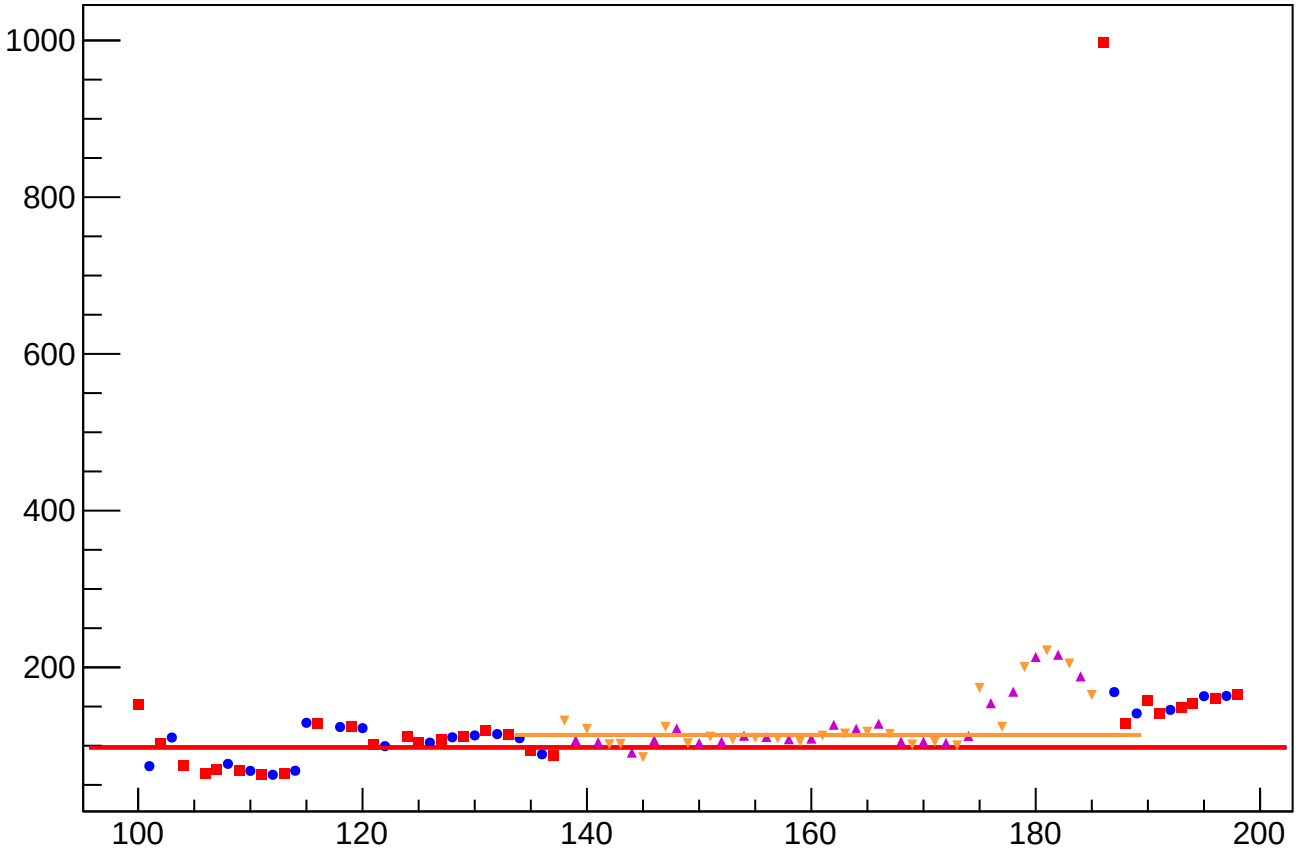
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.574+/-20.379 χ^2/NDF: 35.6/45

All: -26.072+/-14.279 χ^2/NDF: 99.1/95

- sign -62.374+/-20.012 χ^2/NDF: 56.8/49

dit_asym_sam_1548_avg_rms vs Slug



Right In: 98.037+/-0.022 χ^2/NDF: 1781254.1/20

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 97.488+/-0.021 χ^2/NDF: 3038470.8/26

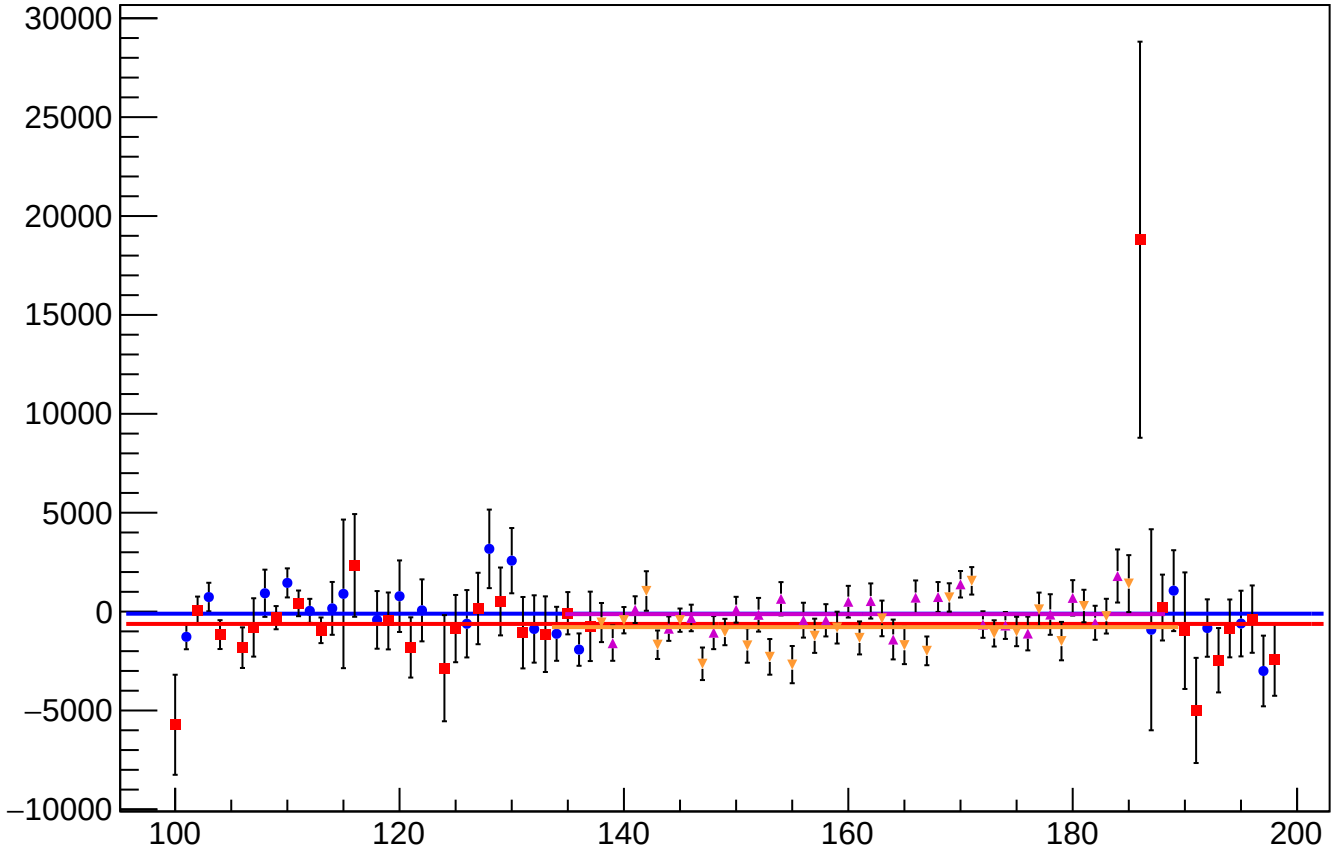
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 107.239+/-0.014 χ^2/NDF: 3650417.3/45

All: 106.691+/-0.010 χ^2/NDF: 8333311.2/95

- sign 106.162+/-0.014 χ^2/NDF: 4680049.5/49

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -105.537+/-247.768 χ^2/NDF: 25.0/20

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -623.096+/-227.598 χ^2/NDF: 22.8/26

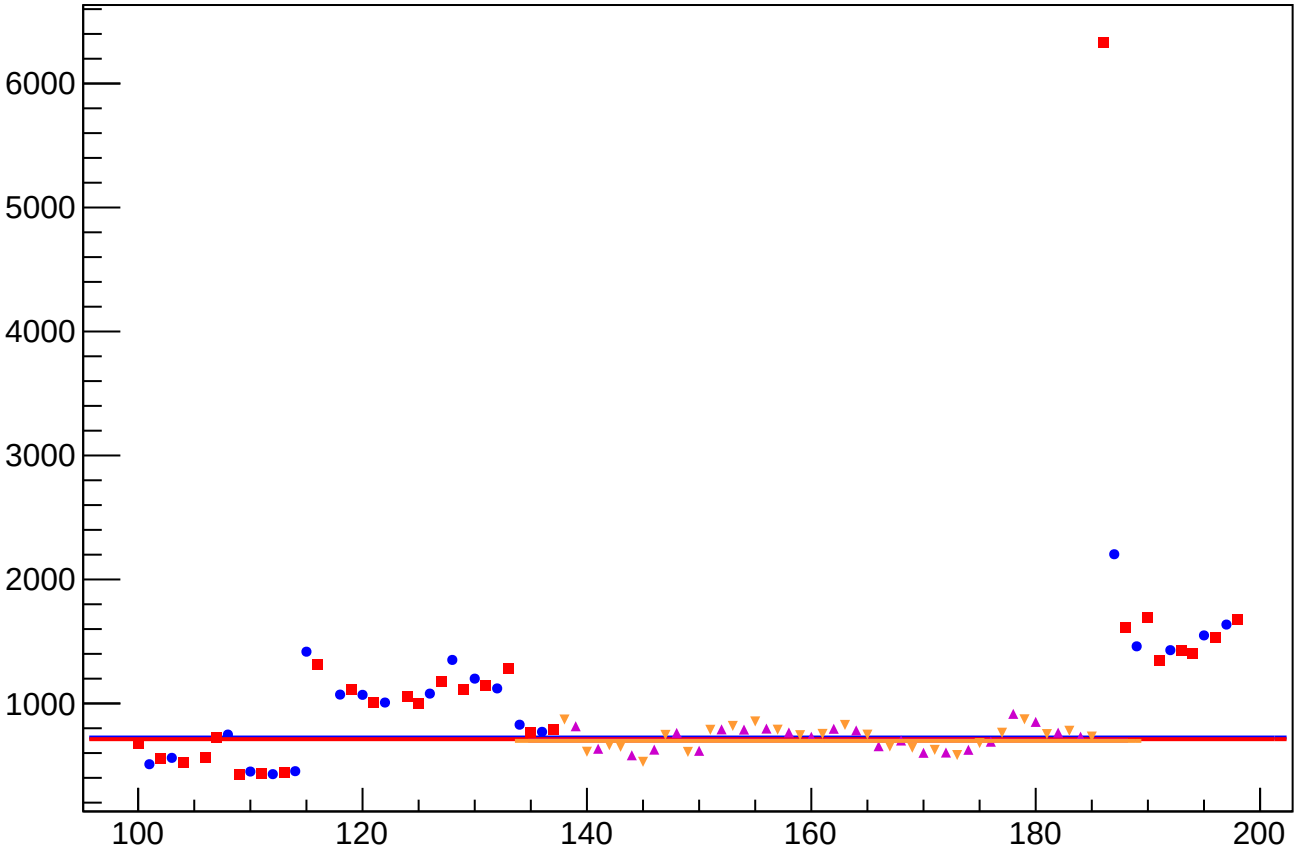
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -583.688+/-134.696 χ^2/NDF: 75.7/45

All: -440.318+/-94.899 χ^2/NDF: 126.6/95

- sign -299.011+/-133.723 χ^2/NDF: 48.6/49

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 725.143+/-0.175 χ^2/NDF: 3978087.3/20

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 711.962+/-0.161 χ^2/NDF: 5837181.4/26

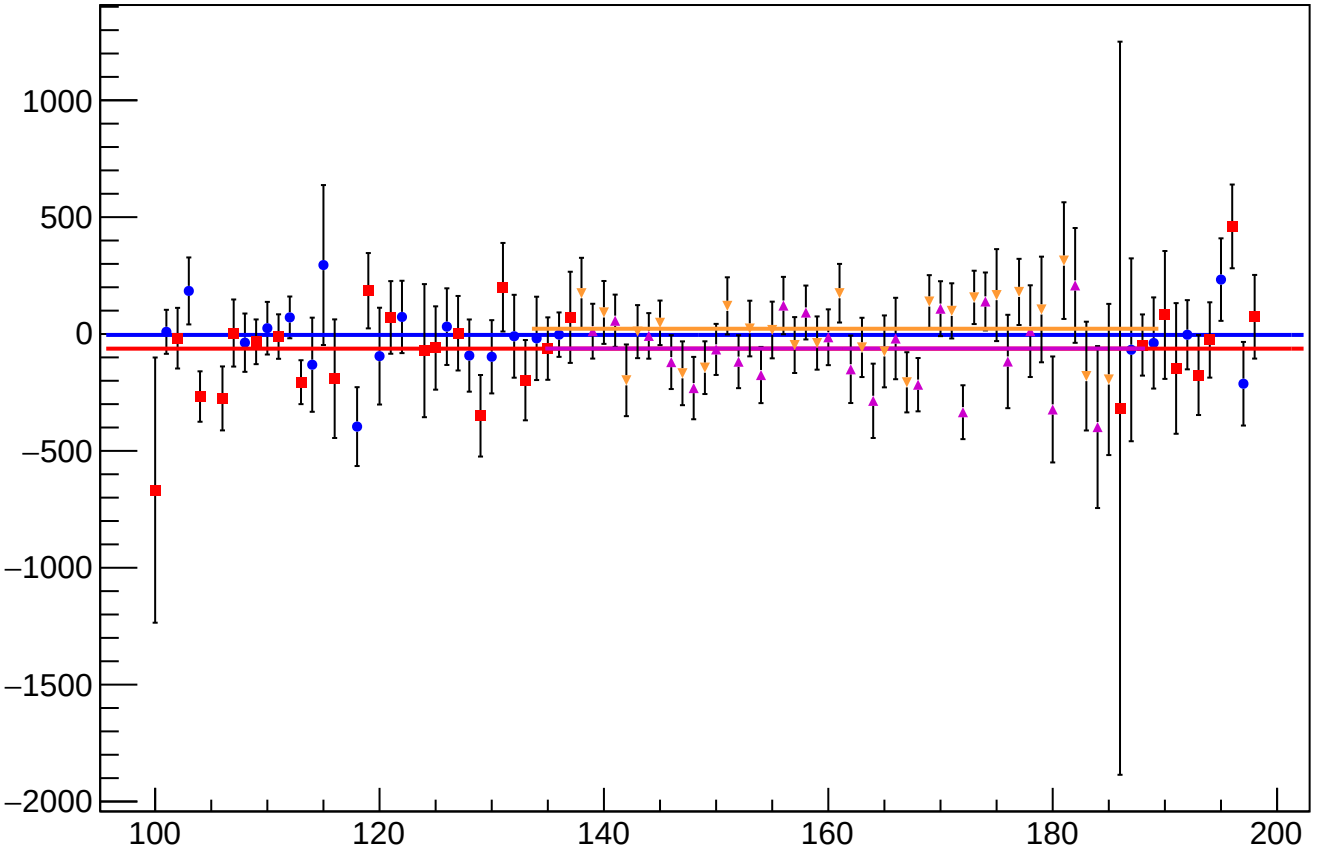
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 706.189+/-0.095 χ^2/NDF: 4709388.6/45

All: 705.178+/-0.067 χ^2/NDF: 11134682.4/95

- sign 704.181+/-0.095 χ^2/NDF: 6425070.0/49

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.889+/-31.636 χ^2/NDF: 13.6/20

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -62.610+/-29.373 χ^2/NDF: 29.5/26

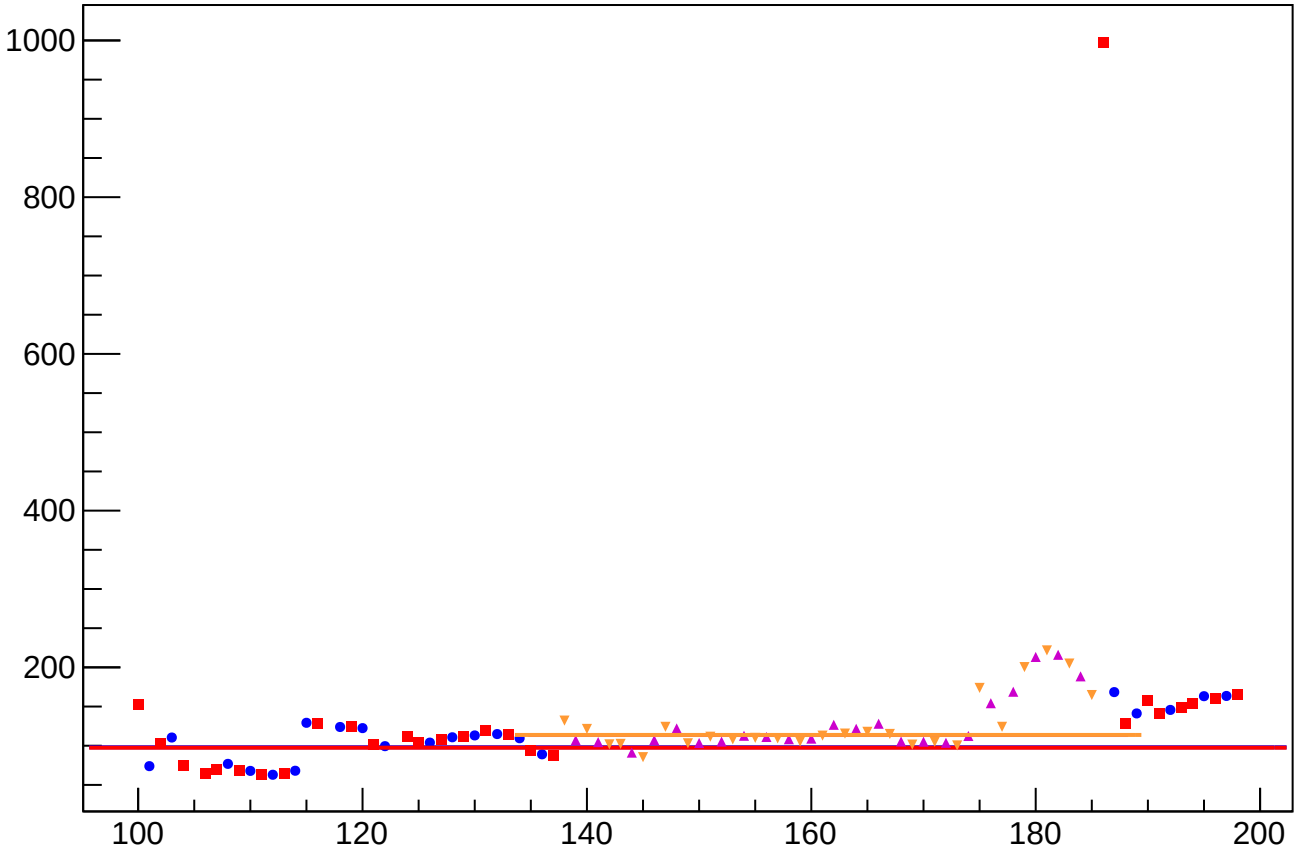
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.576+/-20.379 χ^2/NDF: 35.6/45

All: -26.071+/-14.279 χ^2/NDF: 99.1/95

- sign -62.374+/-20.012 χ^2/NDF: 56.8/49

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 98.037+/-0.022 χ^2/NDF: 1781247.9/20

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

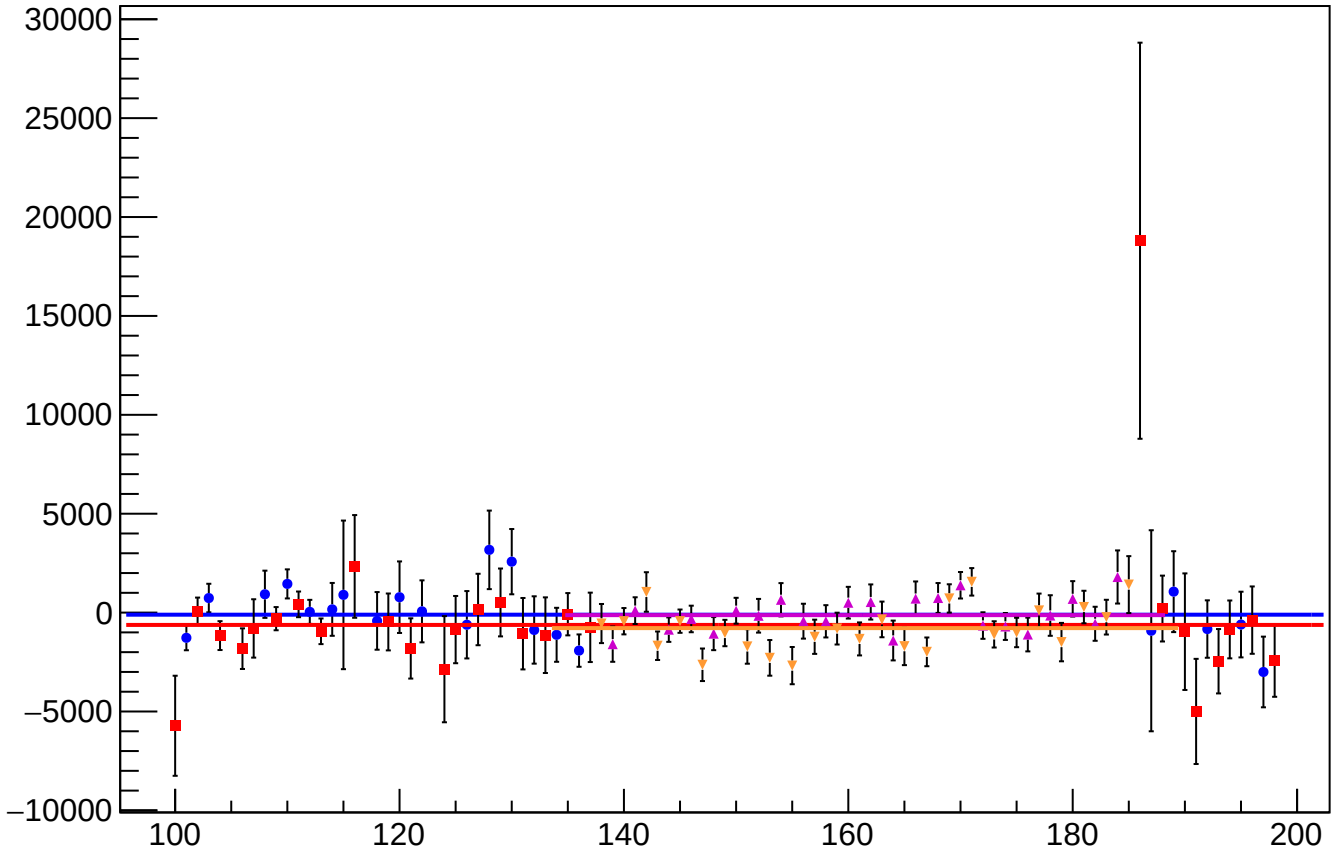
Right Out: 97.488+/-0.021 χ^2/NDF: 3038470.1/26

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 107.239+/-0.014 χ^2/NDF: 3650407.2/45

All: 106.691+/-0.010 χ^2/NDF: 8333287.2/95

- sign 106.162+/-0.014 χ^2/NDF: 4680035.5/49



Right In: -105.536+/-247.767 χ^2/NDF: 25.0/20

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: -623.095+/-227.598 χ^2/NDF: 22.8/26

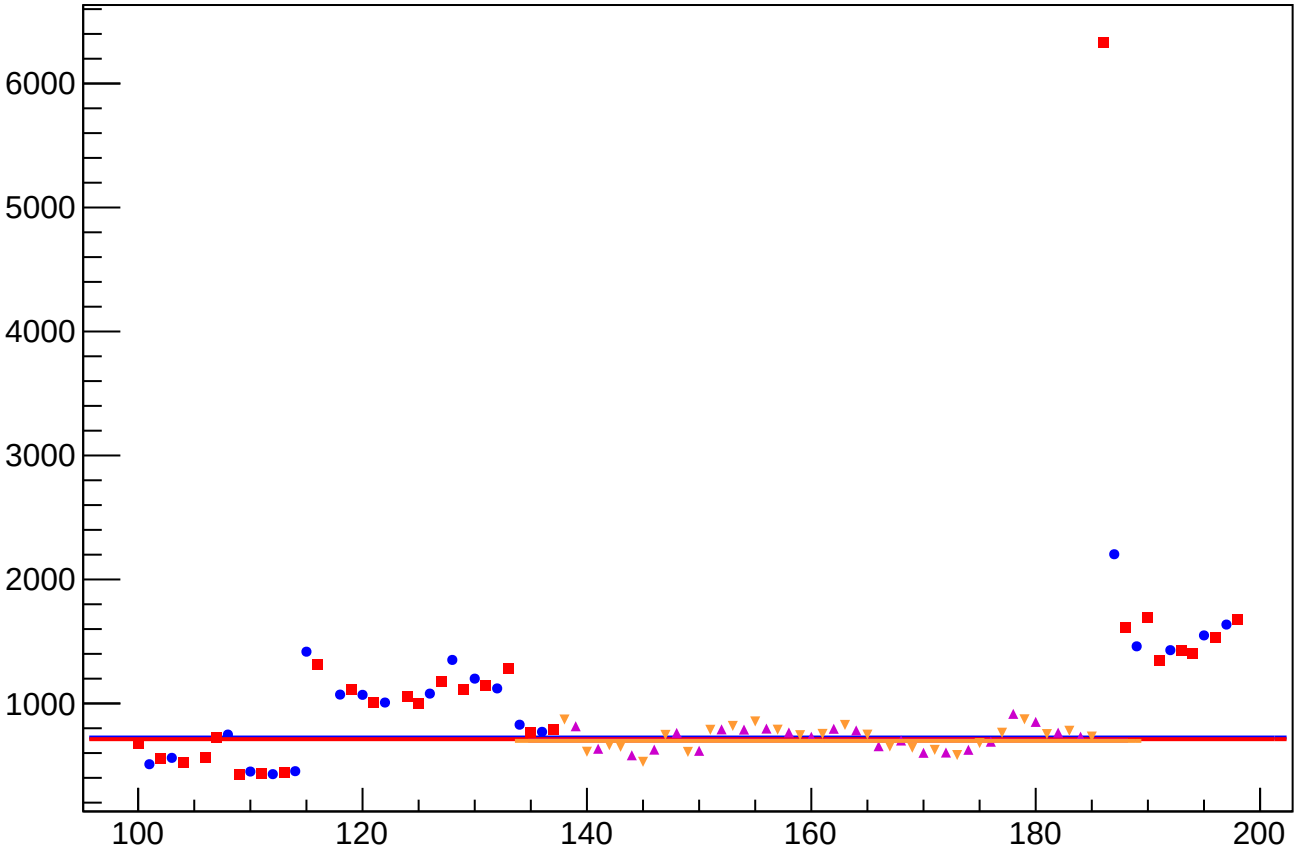
Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -583.686+/-134.696 χ^2/NDF: 75.7/45

All: -440.317+/-94.899 χ^2/NDF: 126.6/95

- sign -299.010+/-133.723 χ^2/NDF: 48.6/49

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 725.142+/-0.175 χ^2/NDF: 3978090.6/20

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 711.961+/-0.161 χ^2/NDF: 5837179.0/26

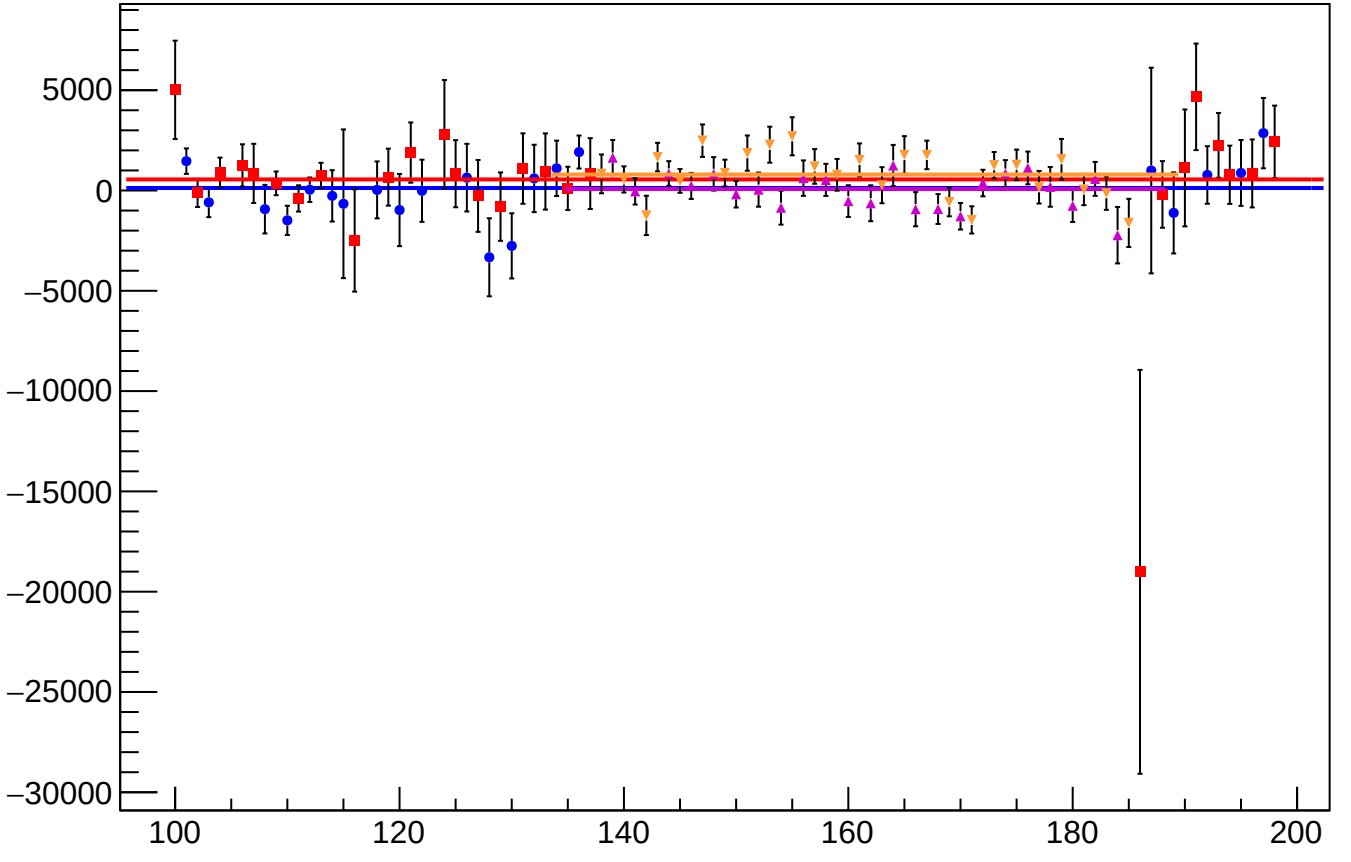
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 706.188+/-0.095 χ^2/NDF: 4709390.1/45

All: 705.177+/-0.067 χ^2/NDF: 11134676.8/95

- sign 704.181+/-0.095 χ^2/NDF: 6425062.9/49

asym_sam_1548_avg_mean vs Slug



Right In: 125.086+/-247.832 χ^2/NDF: 26.6/20

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 552.507+/-227.368 χ^2/NDF: 20.1/26

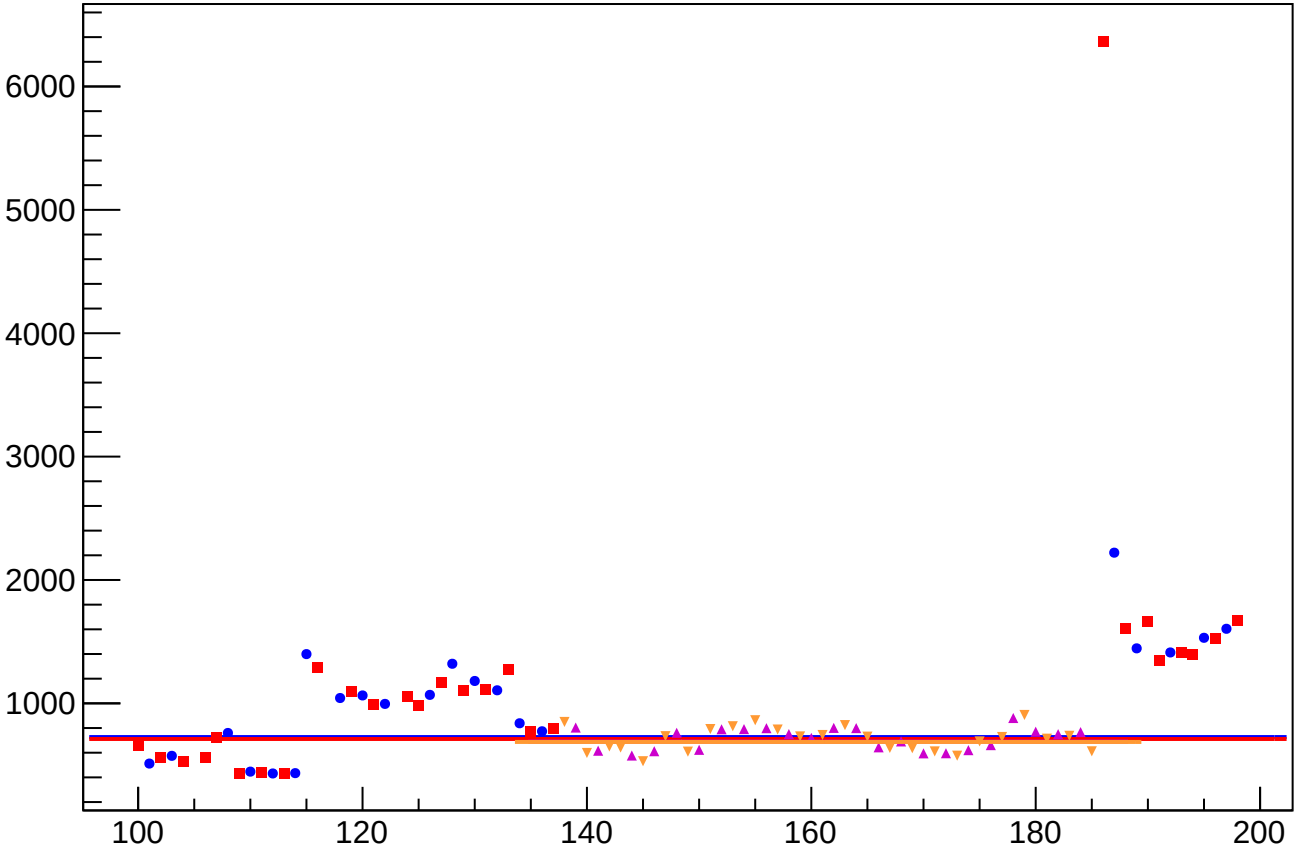
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 602.511+/-133.313 χ^2/NDF: 78.2/45

All: 417.985+/-93.946 χ^2/NDF: 129.9/95

- sign 235.952+/-132.410 χ^2/NDF: 47.9/49

asym_sam_1548_avg_rms vs Slug



Right In: 726.720+/-0.175 χ^2/NDF: 3886239.9/20

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

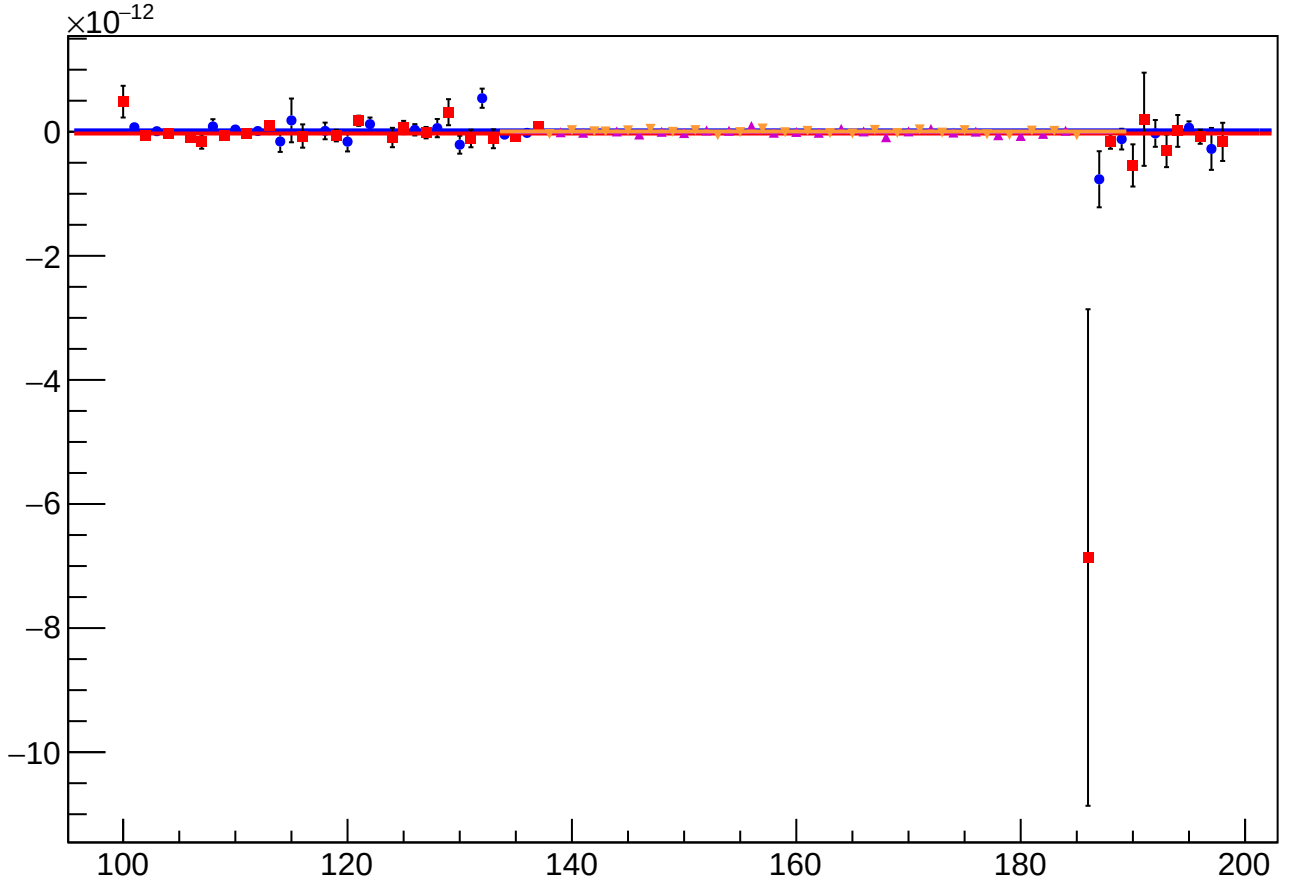
Right Out: 711.339+/-0.161 χ^2/NDF: 5781439.8/26

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 698.666+/-0.094 χ^2/NDF: 4650296.2/45

All: 697.945+/-0.066 χ^2/NDF: 11010586.5/95

- sign 697.235+/-0.094 χ^2/NDF: 6360174.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

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

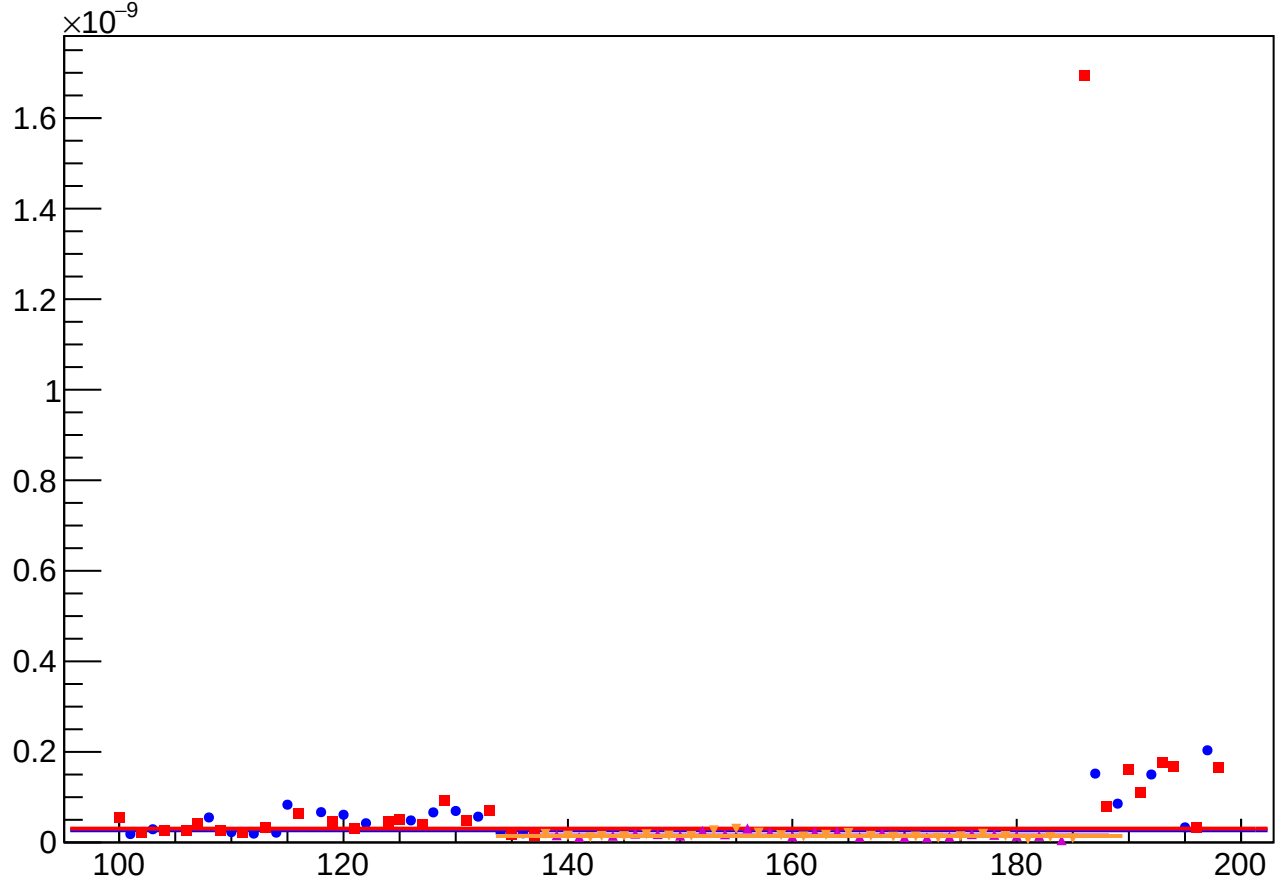
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.5/45

All: -0.000+/-0.000 χ^2/NDF: 117.8/95

- sign -0.000+/-0.000 χ^2/NDF: 62.1/49

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2942603.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

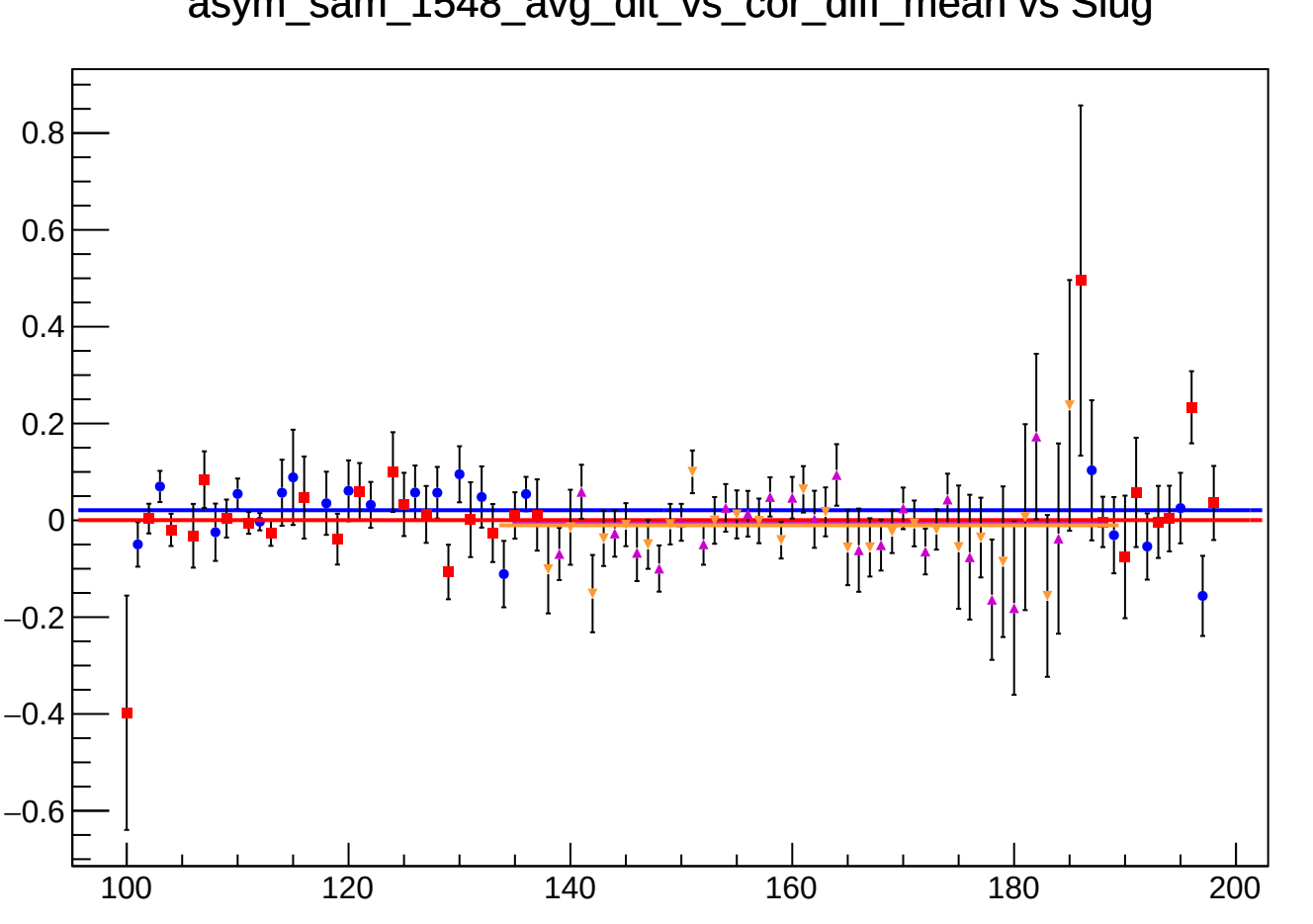
Right Out: 0.000+/-0.000 χ^2/NDF: 3645936.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

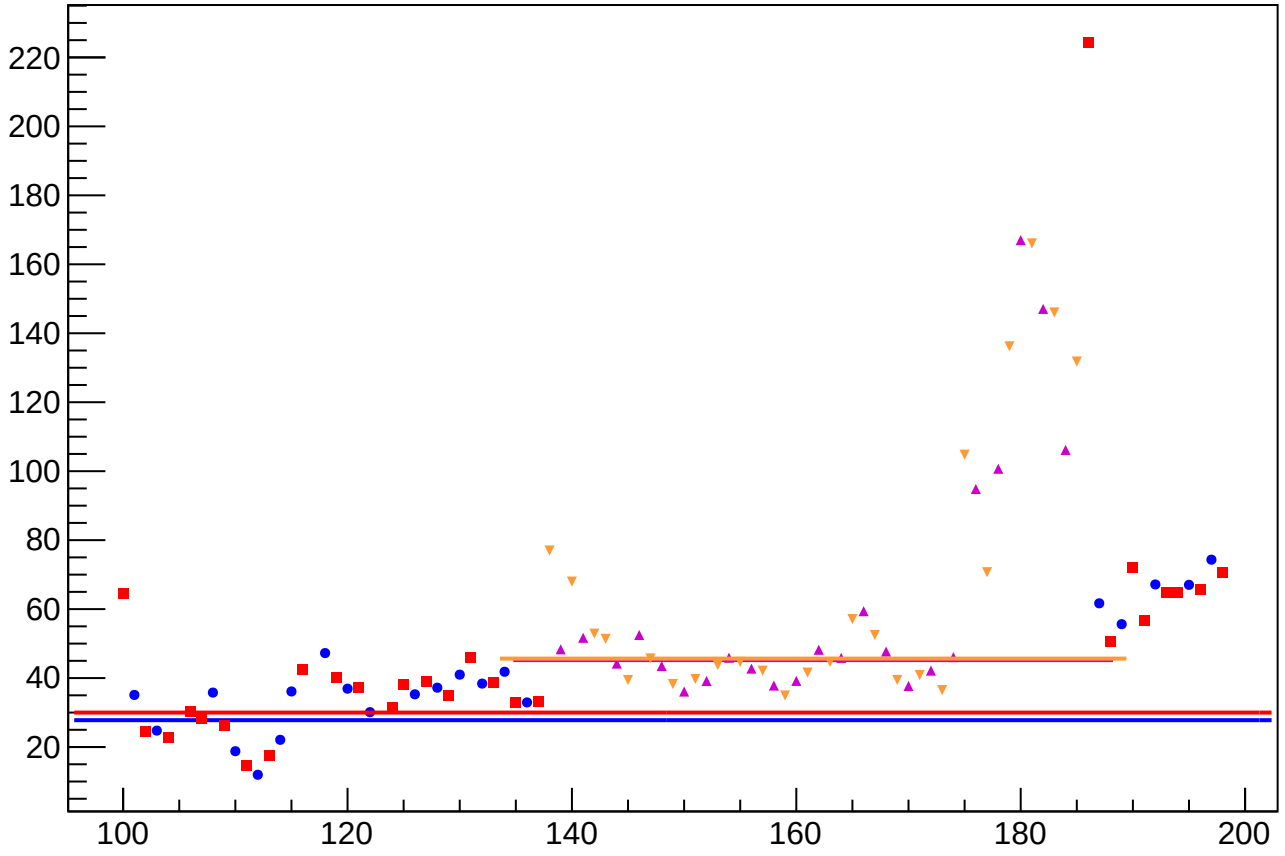
+ sign 0.000+/-0.000 χ^2/NDF: 5196638.2/45

All: 0.000+/-0.000 χ^2/NDF: 11621952.6/95

- sign 0.000+/-0.000 χ^2/NDF: 6371748.7/49


asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.021+/-0.010 χ²/NDF: 23.2/20
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.000+/-0.010 χ²/NDF: 26.4/26
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.007+/-0.007 χ²/NDF: 45.6/45
All: 0.002+/-0.005 χ²/NDF: 96.5/95
- sign -0.003+/-0.007 χ²/NDF: 50.0/49

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.790+/-0.007 χ^2/NDF: 4705176.9/20

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

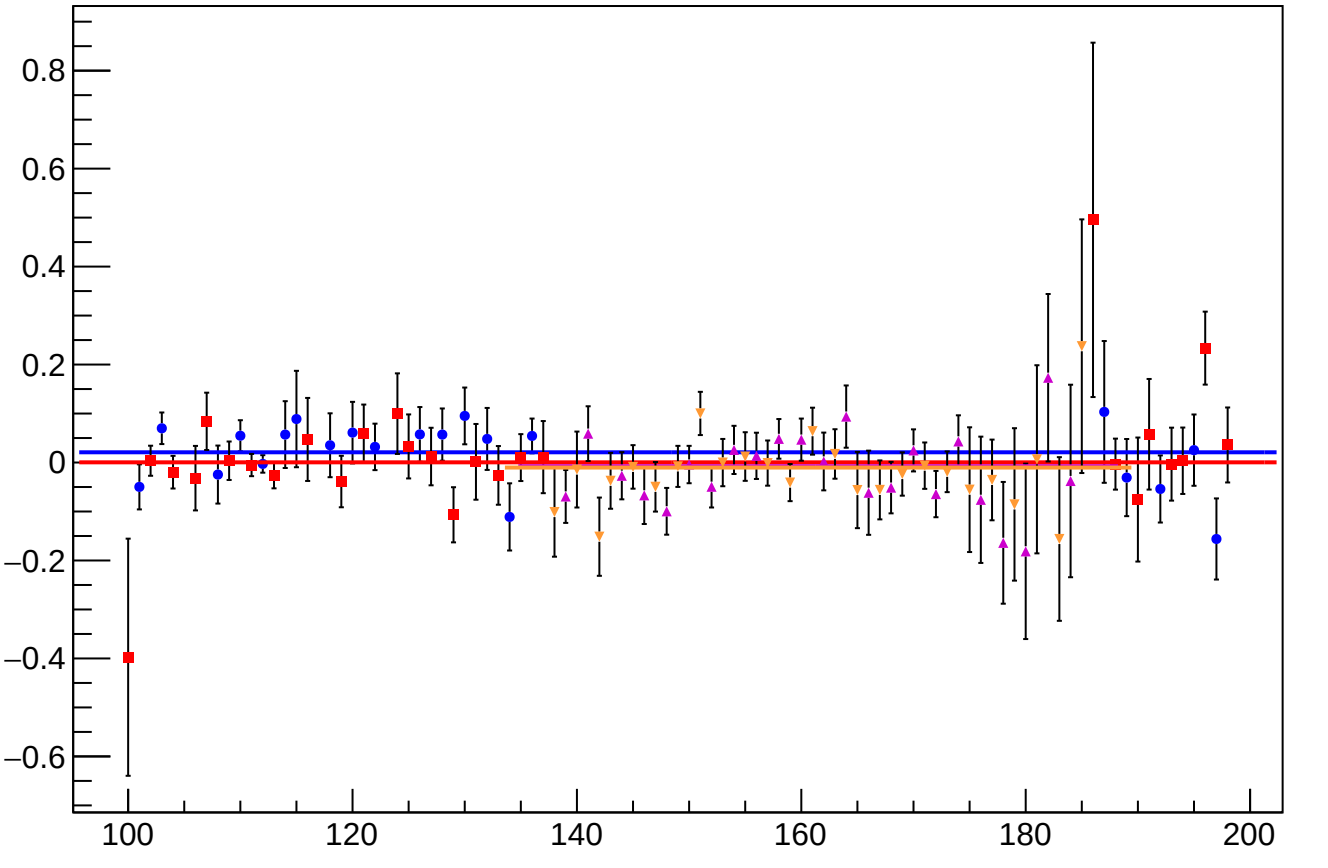
Right Out: 29.997+/-0.007 χ^2/NDF: 5184012.1/26

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.619+/-0.005 χ^2/NDF: 11539131.5/45

All: 36.006+/-0.004 χ^2/NDF: 21788906.8/95

- sign 36.387+/-0.005 χ^2/NDF: 10239091.3/49



Right In: 0.021+/-0.010 χ^2/NDF: 23.2/20

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.000+/-0.010 χ^2/NDF: 26.4/26

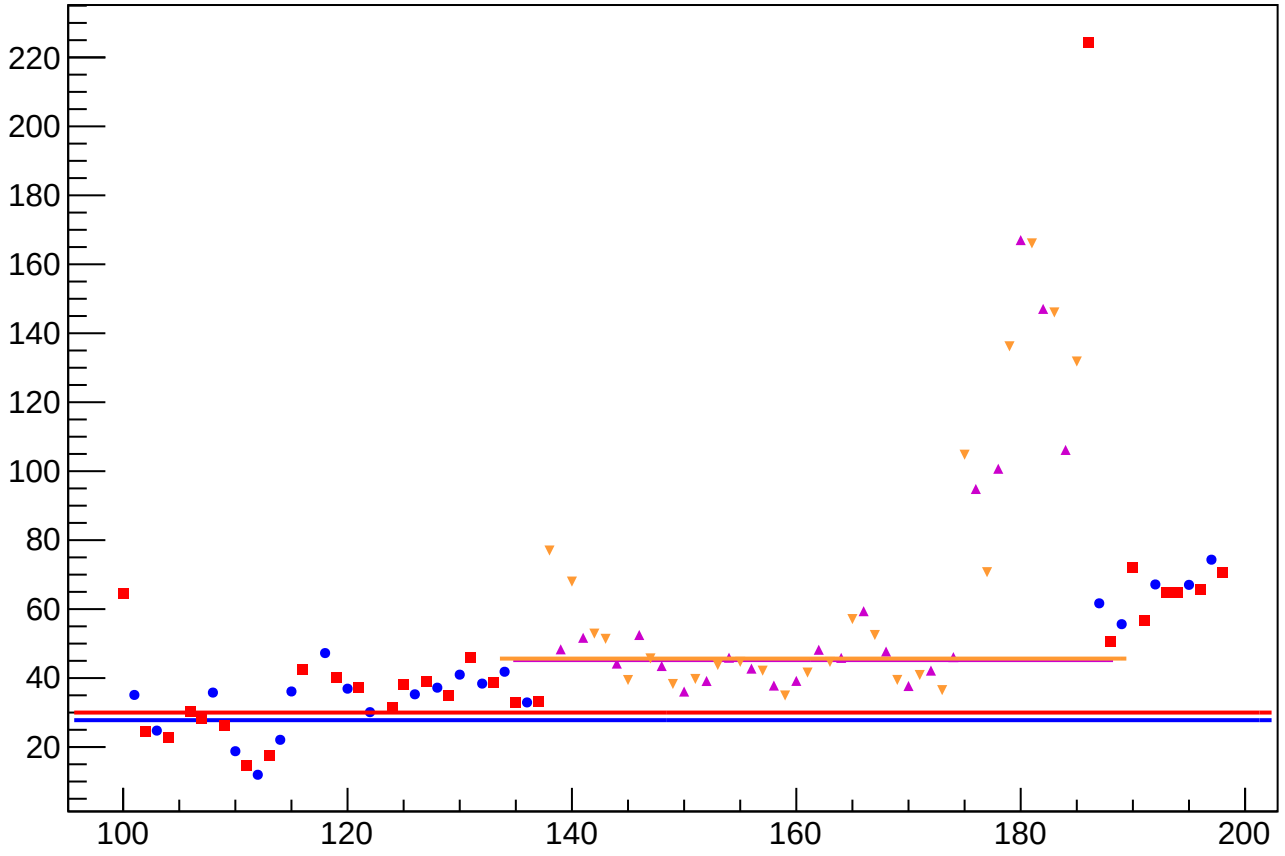
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.007+/-0.007 χ^2/NDF: 45.6/45

All: 0.002+/-0.005 χ^2/NDF: 96.5/95

- sign -0.003+/-0.007 χ^2/NDF: 50.0/49

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.790+/-0.007 χ^2/NDF: 4705176.9/20

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

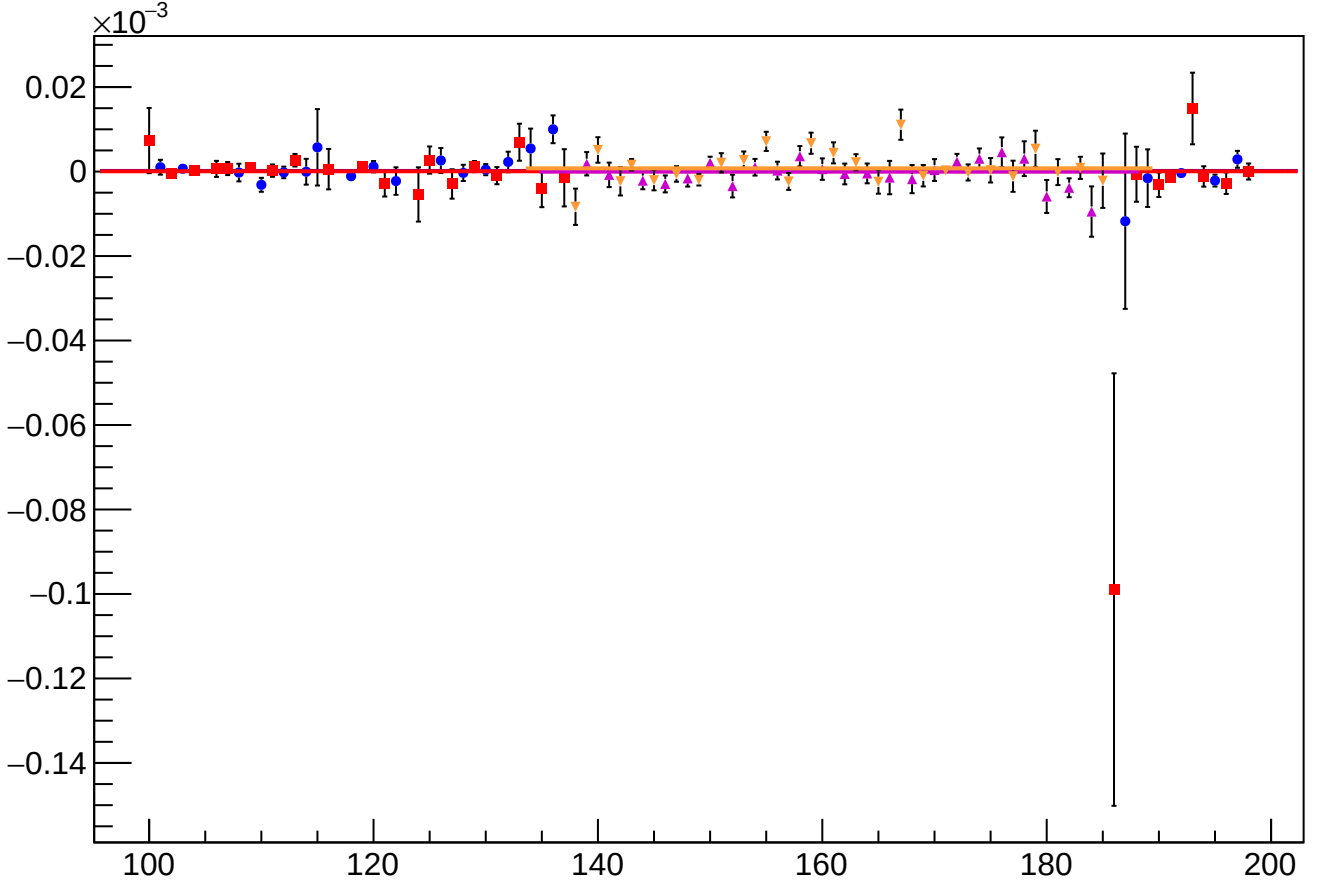
Right Out: 29.997+/-0.007 χ^2/NDF: 5184012.1/26

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.619+/-0.005 χ^2/NDF: 11539131.5/45

All: 36.006+/-0.004 χ^2/NDF: 21788906.8/95

- sign 36.387+/-0.005 χ^2/NDF: 10239091.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/26

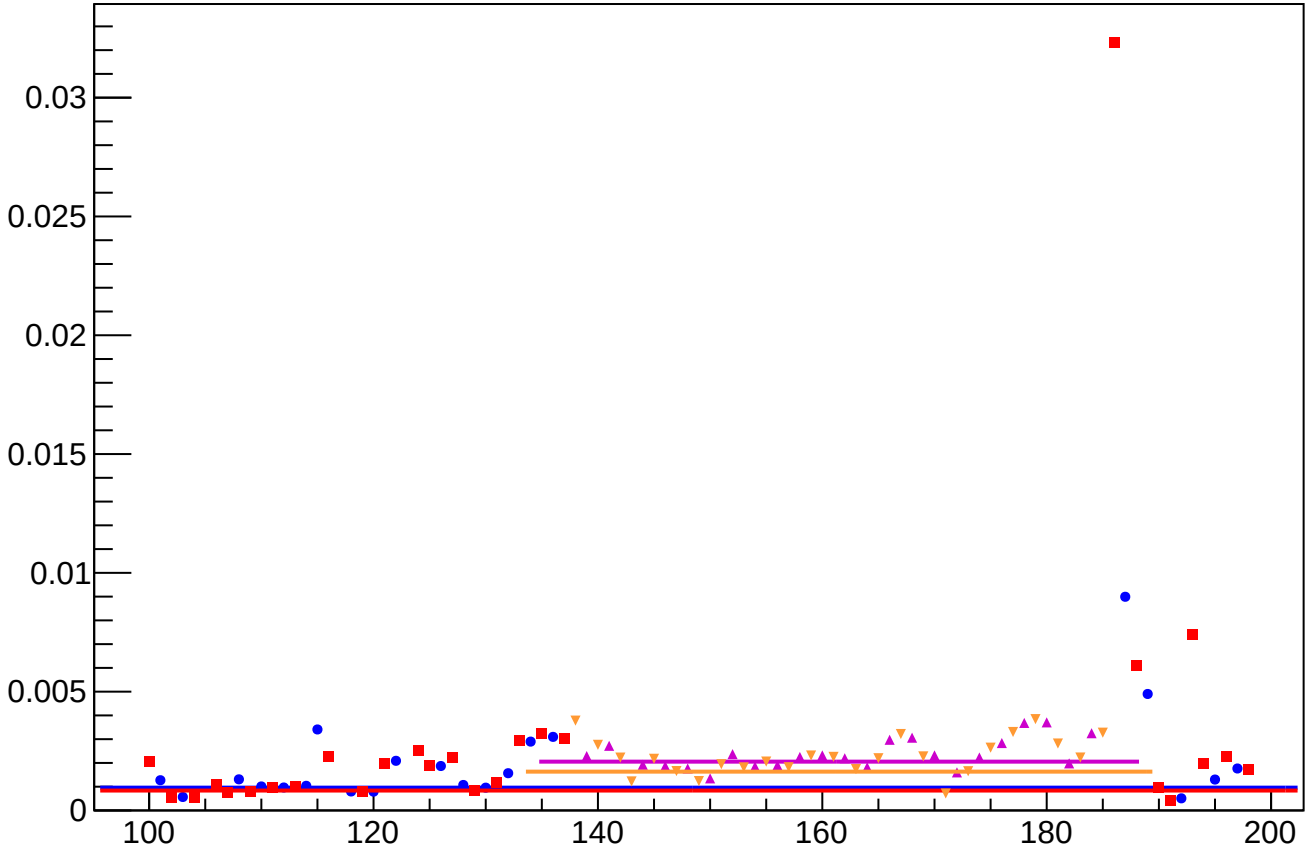
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.0/45

All: 0.000+/-0.000 χ^2/NDF: 124.0/95

- sign 0.000+/-0.000 χ^2/NDF: 51.0/49

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4419600.2/20

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

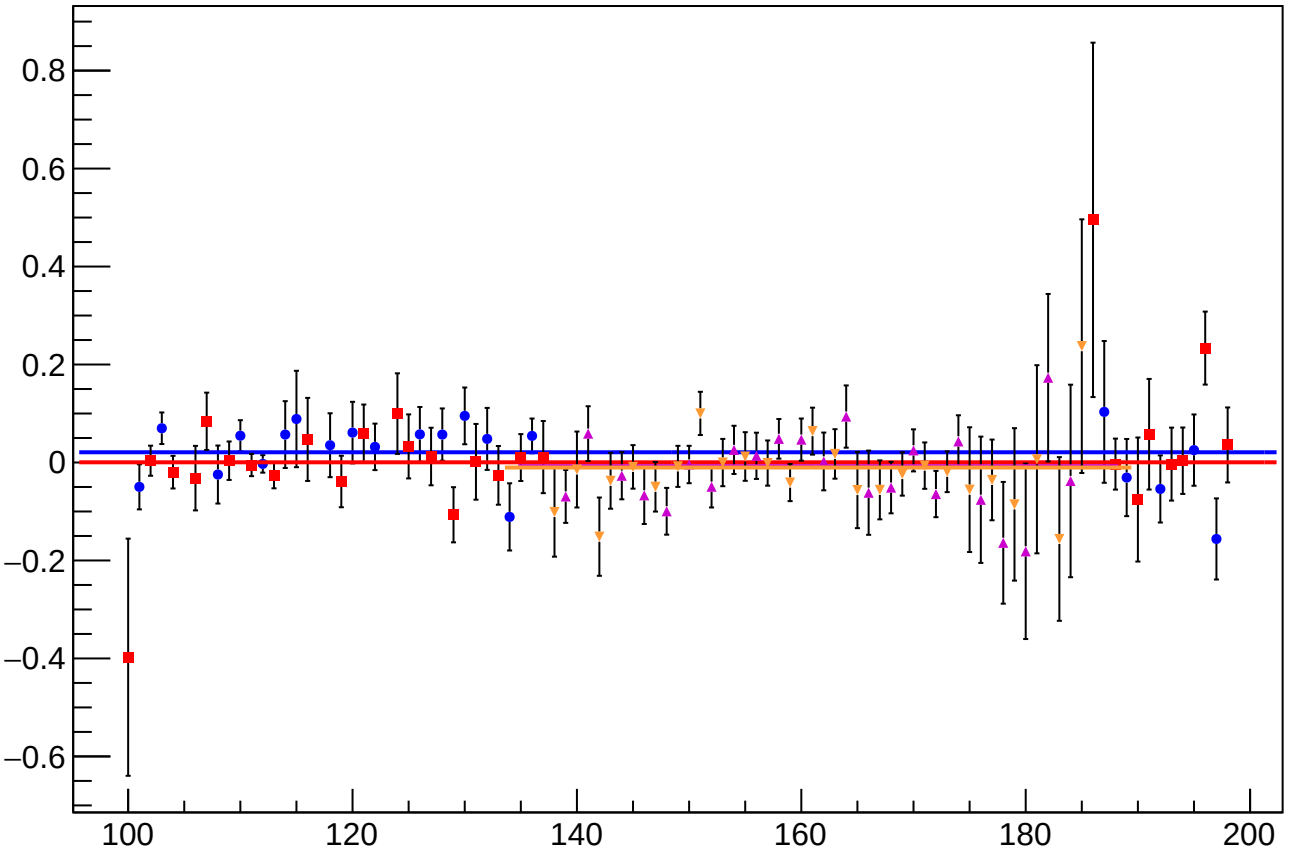
Right Out: 0.001+/-0.000 χ^2/NDF: 8634854.7/26

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 13973360.3/45

All: 0.001+/-0.000 χ^2/NDF: 33454125.7/95

- sign 0.001+/-0.000 χ^2/NDF: 19372905.9/49



Right In: 0.021+/-0.010 χ^2/NDF: 23.2/20

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

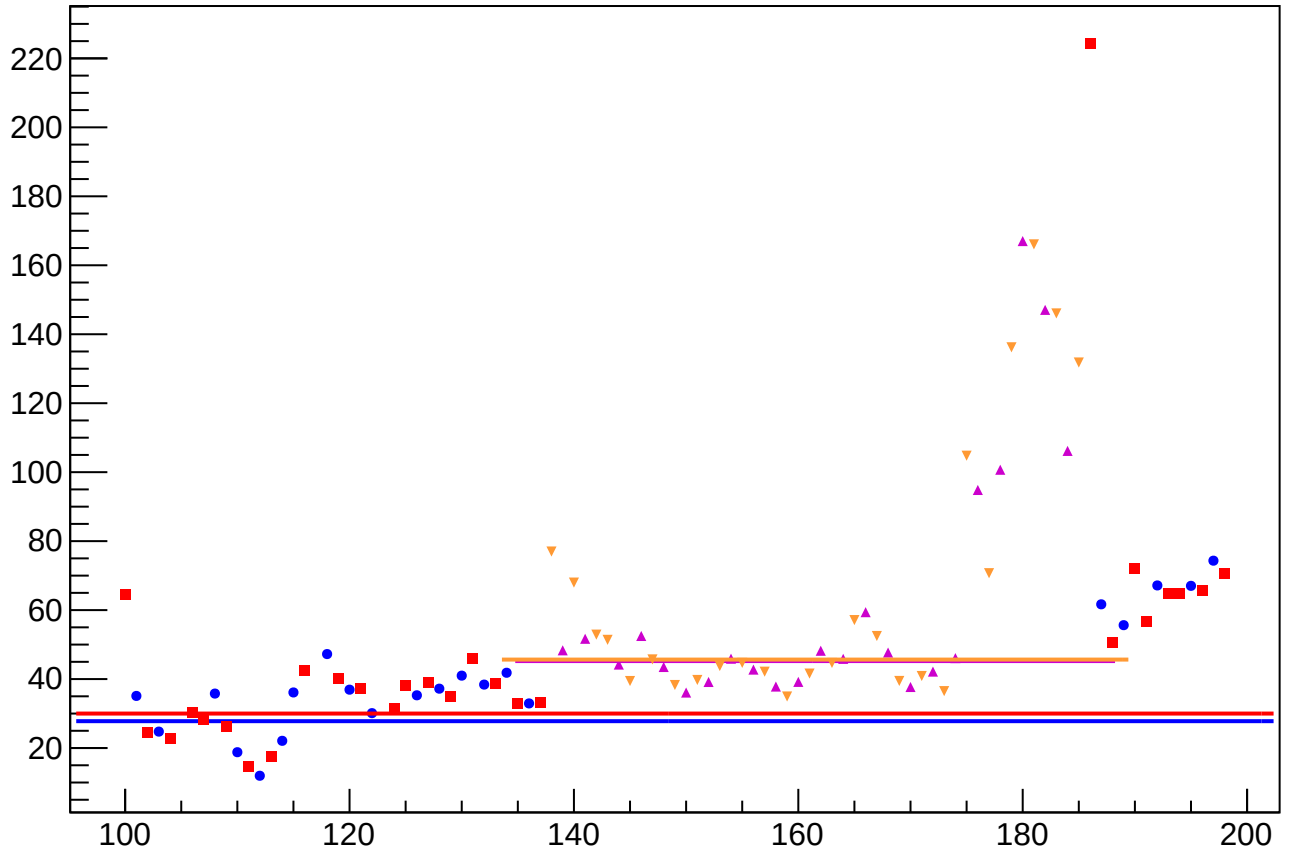
Right Out: 0.000+/-0.010 χ^2/NDF: 26.4/26

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.007+/-0.007 χ^2/NDF: 45.6/45

All: 0.002+/-0.005 χ^2/NDF: 96.5/95

- sign -0.003+/-0.007 χ^2/NDF: 50.0/49



Right In: 27.789+/-0.007 χ^2/NDF: 4705394.5/20

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

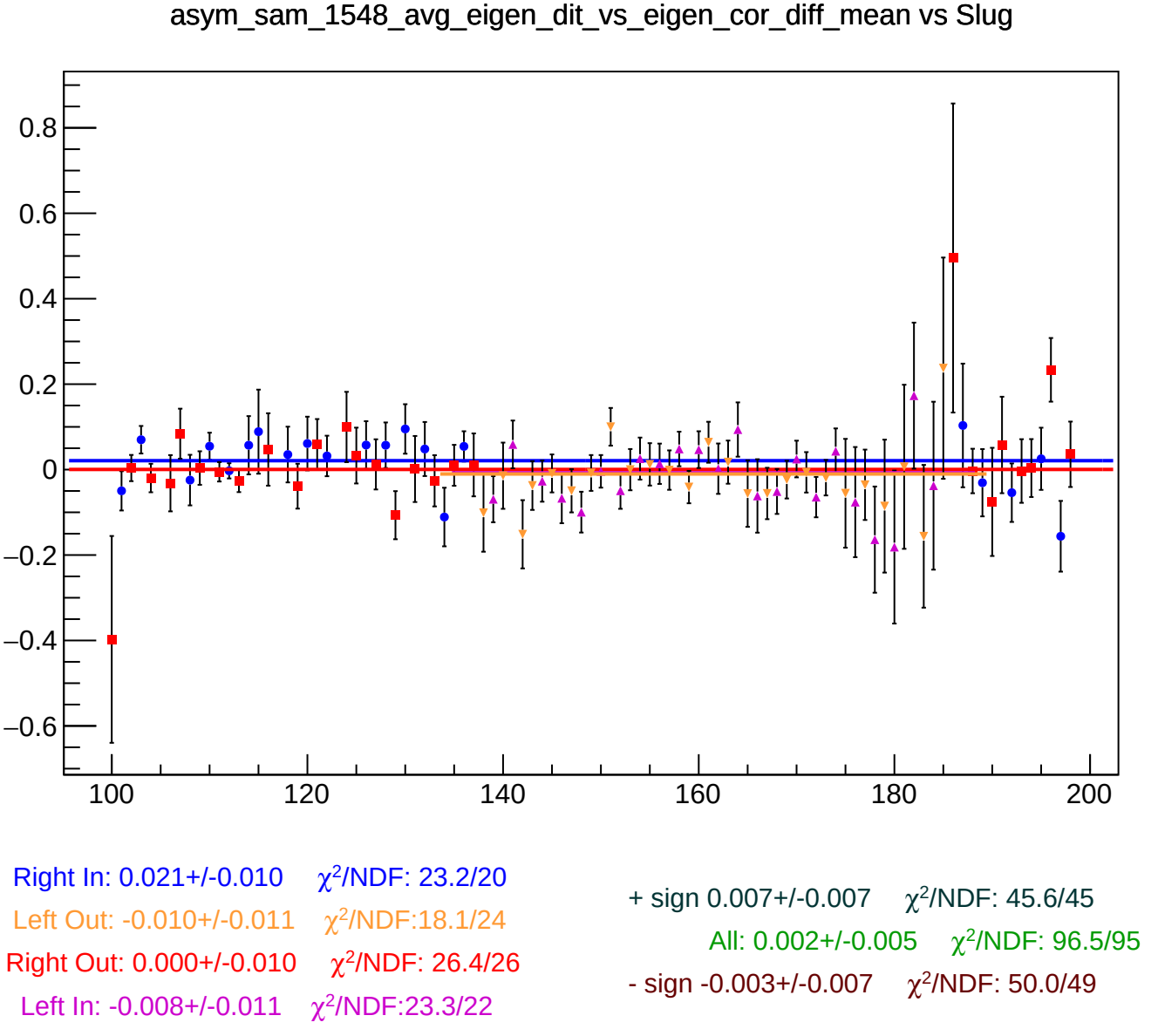
Right Out: 29.997+/-0.007 χ^2/NDF: 5184211.4/26

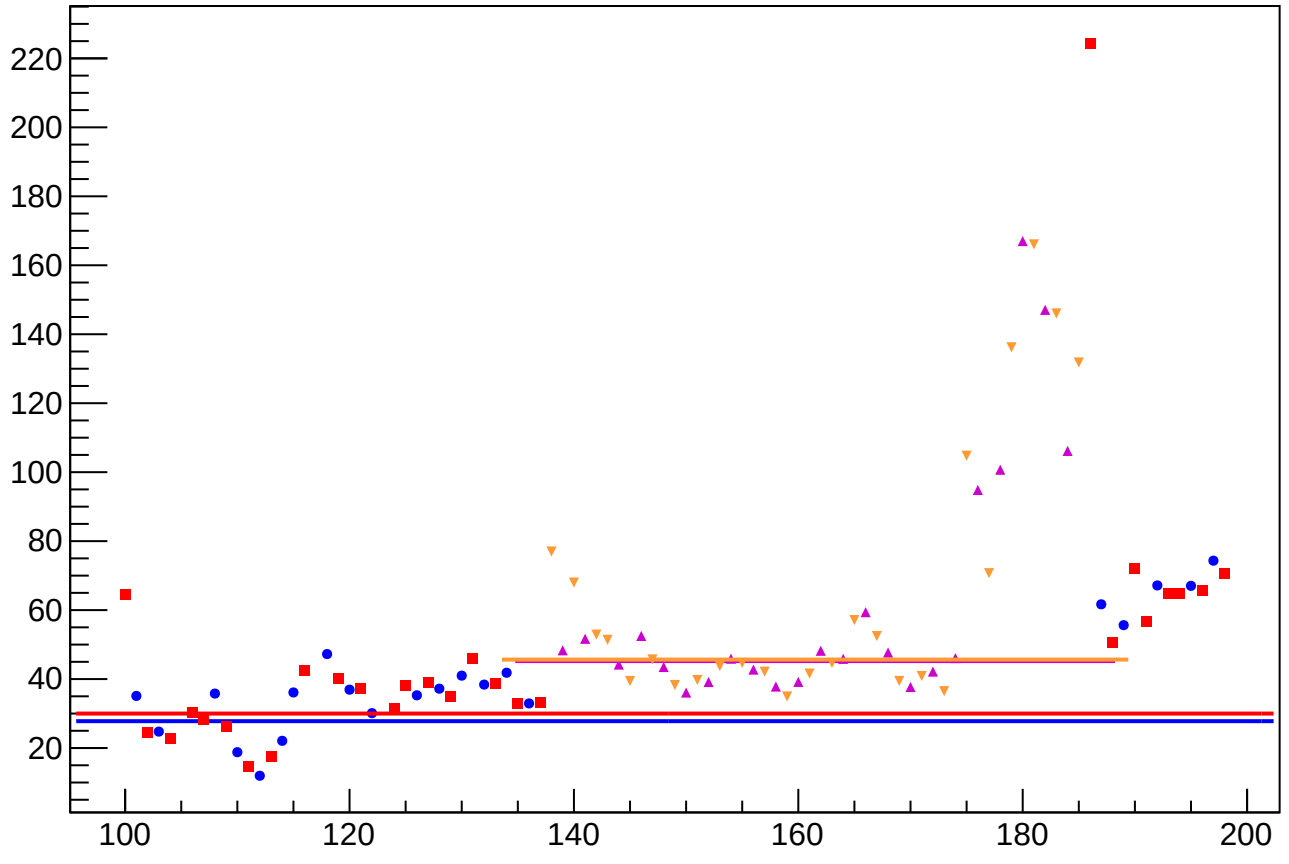
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 35.618+/-0.005 χ^2/NDF: 11539596.4/45

All: 36.006+/-0.004 χ^2/NDF: 21789722.5/95

- sign 36.387+/-0.005 χ^2/NDF: 10239437.7/49


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: 0.021+/-0.010 χ²/NDF: 23.2/20
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.000+/-0.010 χ²/NDF: 26.4/26
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.007+/-0.007 χ²/NDF: 45.6/45
All: 0.002+/-0.005 χ²/NDF: 96.5/95
- sign -0.003+/-0.007 χ²/NDF: 50.0/49



Right In: 27.789+/-0.007 χ^2/NDF: 4705394.5/20

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

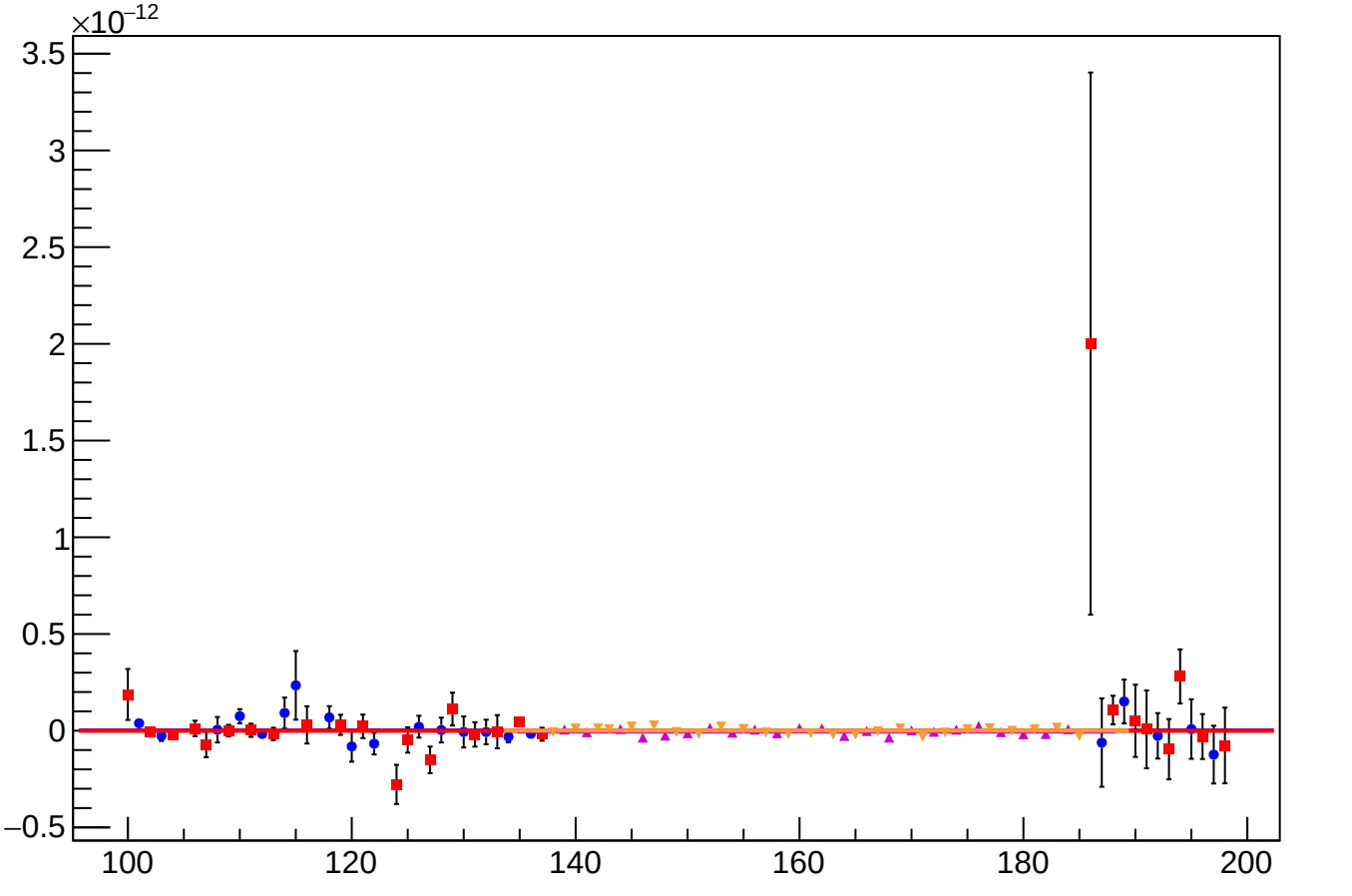
Right Out: 29.997+/-0.007 χ^2/NDF: 5184211.4/26

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 35.618+/-0.005 χ^2/NDF: 11539596.4/45

All: 36.006+/-0.004 χ^2/NDF: 21789722.5/95

- sign 36.387+/-0.005 χ^2/NDF: 10239437.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

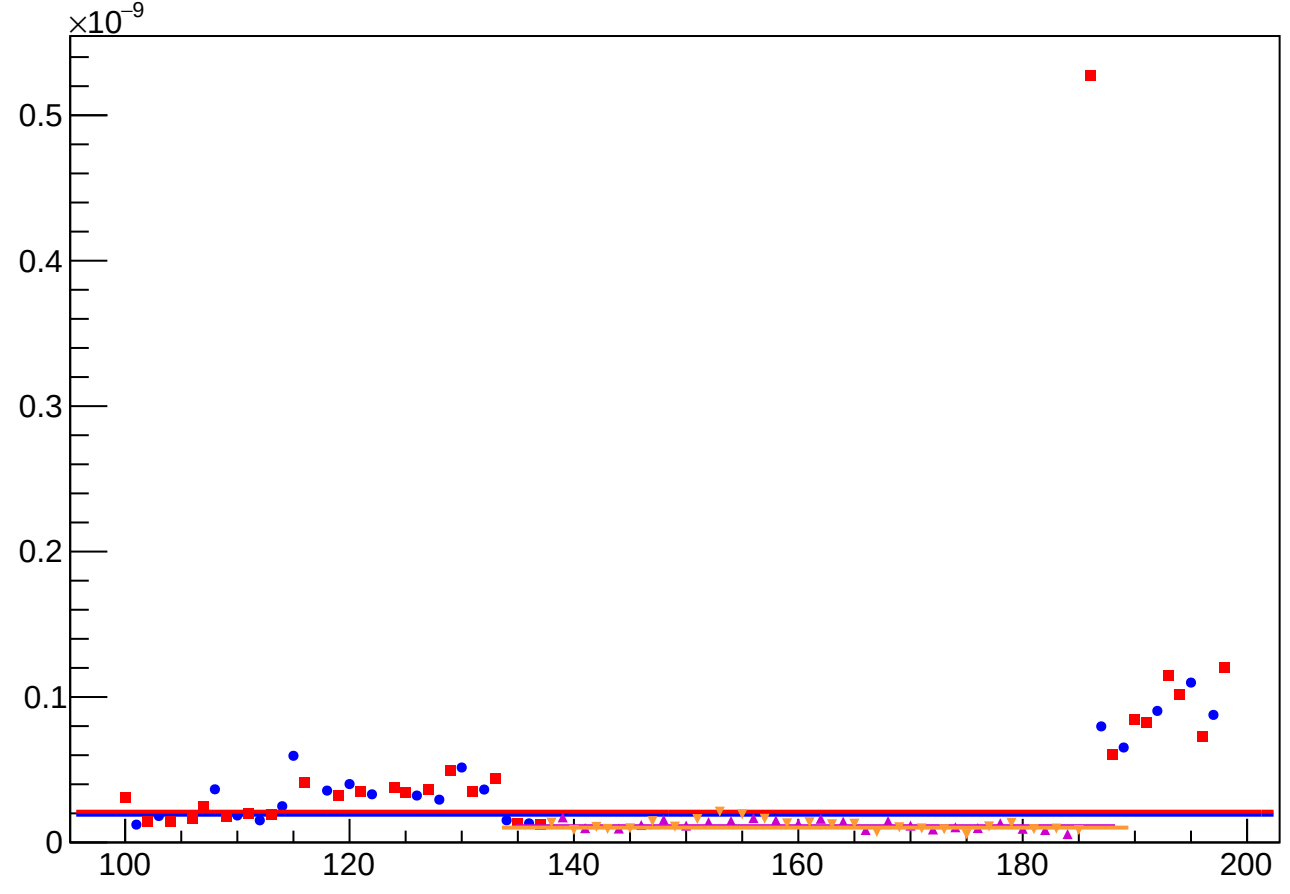
Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/26

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.7/45

All: -0.000+/-0.000 χ^2/NDF: 104.6/95

- sign -0.000+/-0.000 χ^2/NDF: 56.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 4243918.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5268356.3/26

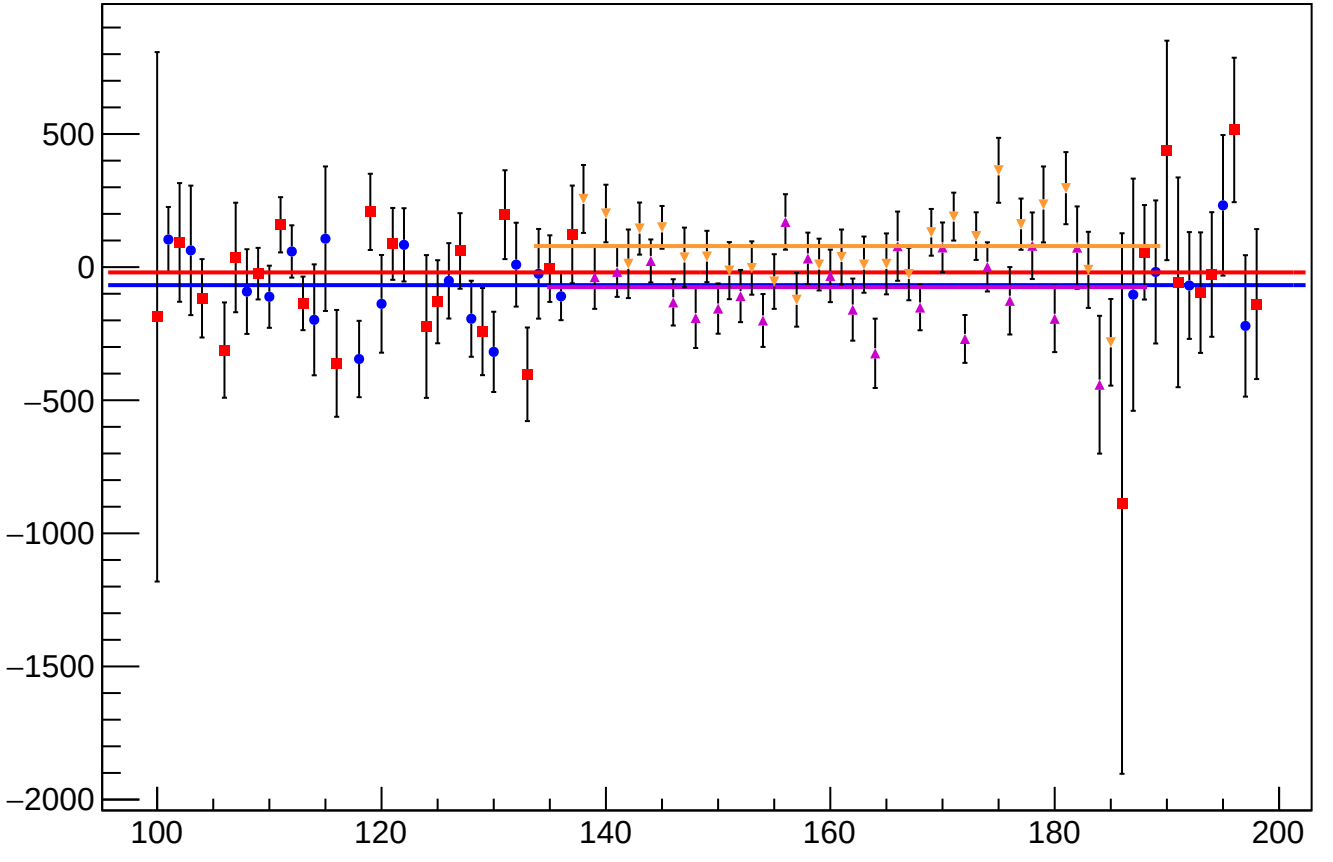
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8417358.8/45

All: 0.000+/-0.000 χ^2/NDF: 17581486.2/95

- sign 0.000+/-0.000 χ^2/NDF: 9003128.9/49

reg_asym_sam_3748_avg_mean vs Slug



Right In: -67.687+/-33.650 χ^2/NDF: 15.7/20

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -19.846+/-32.244 χ^2/NDF: 30.4/26

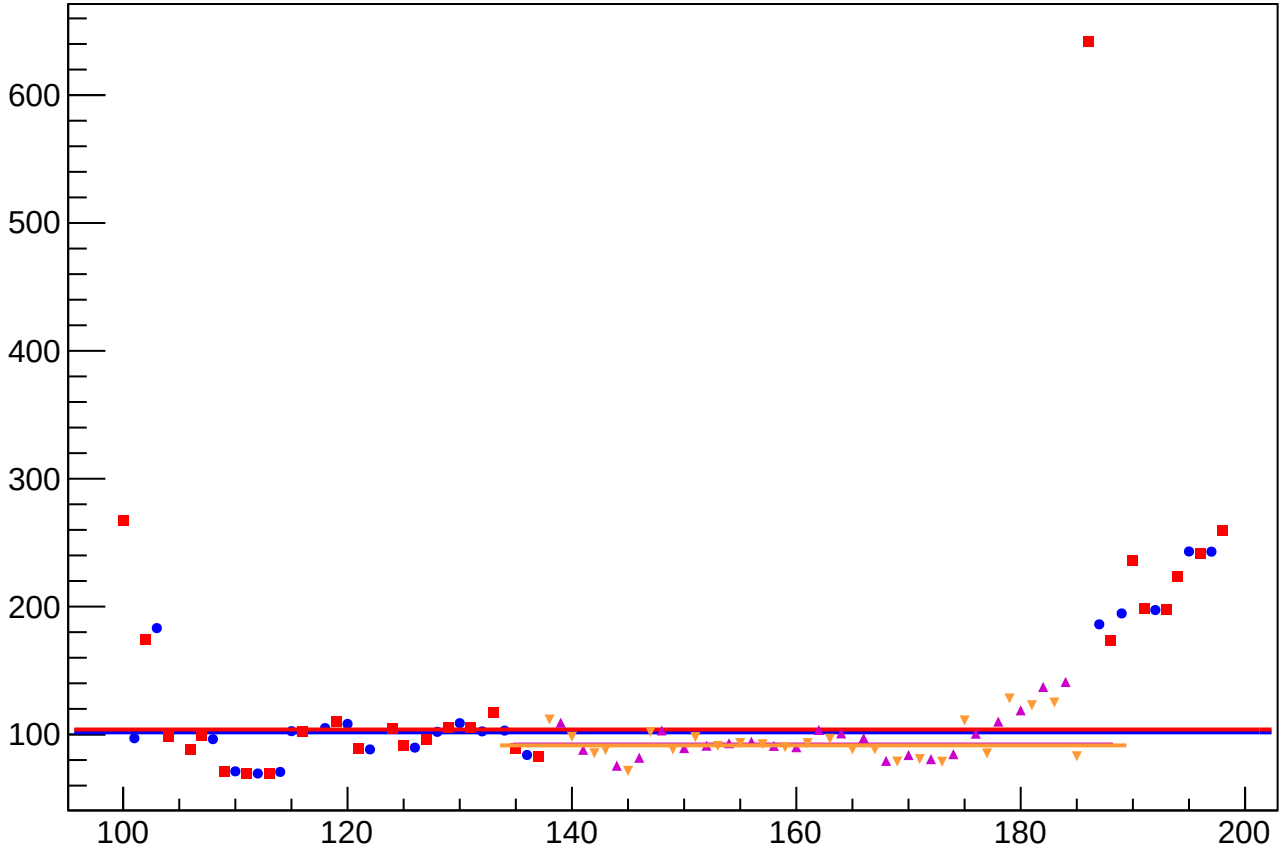
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 37.666+/-17.878 χ^2/NDF: 61.4/45

All: -9.474+/-12.713 χ^2/NDF: 140.5/95

- sign -57.691+/-18.081 χ^2/NDF: 65.1/49

reg_asym_sam_3748_avg_rms vs Slug



Right In: 101.653+/-0.024 χ^2/NDF: 2654003.1/20

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

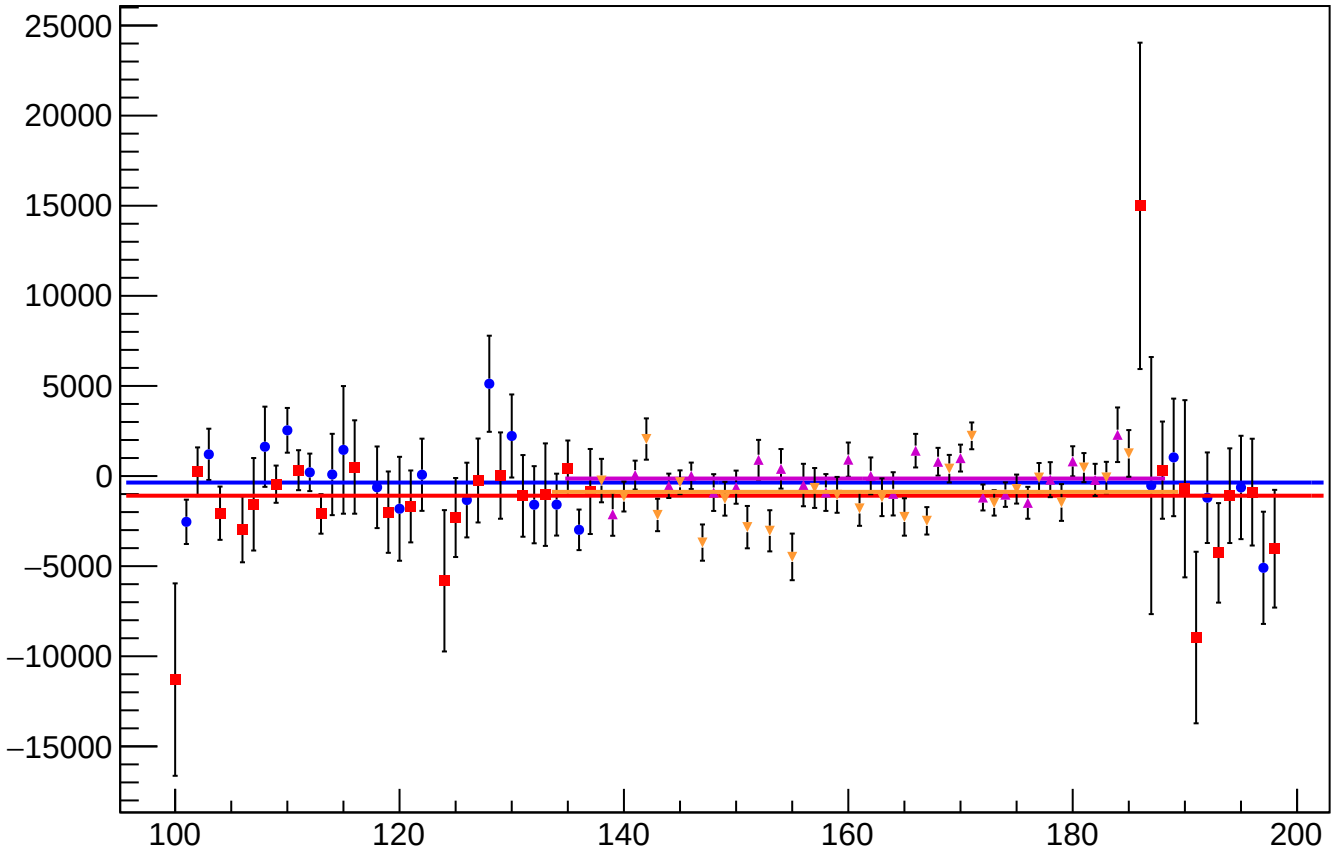
Right Out: 103.869+/-0.023 χ^2/NDF: 4258478.0/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 94.338+/-0.013 χ^2/NDF: 3536877.8/45

All: 95.061+/-0.009 χ^2/NDF: 8684225.3/95

- sign 95.801+/-0.013 χ^2/NDF: 5140728.5/49



Right In: -361.166+/-402.353 χ^2/NDF: 26.1/20

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1090.596+/-379.508 χ^2/NDF: 21.0/26

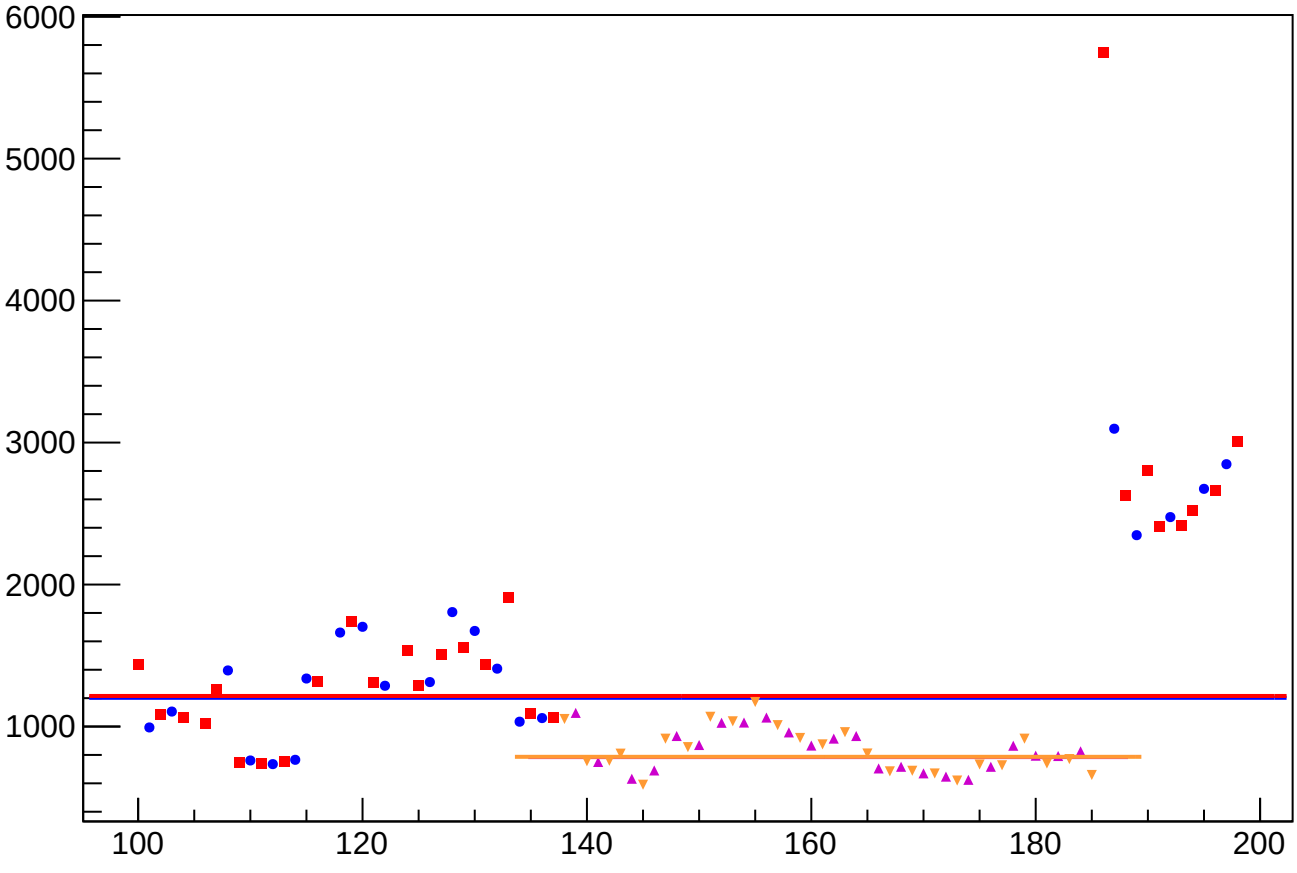
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -790.446+/-165.966 χ^2/NDF: 95.2/45

All: -559.279+/-117.871 χ^2/NDF: 149.4/95

- sign -324.005+/-167.434 χ^2/NDF: 50.3/49

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1202.425+/-0.285 χ^2/NDF: 3209808.3/20

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1215.331+/-0.268 χ^2/NDF: 4886017.1/26

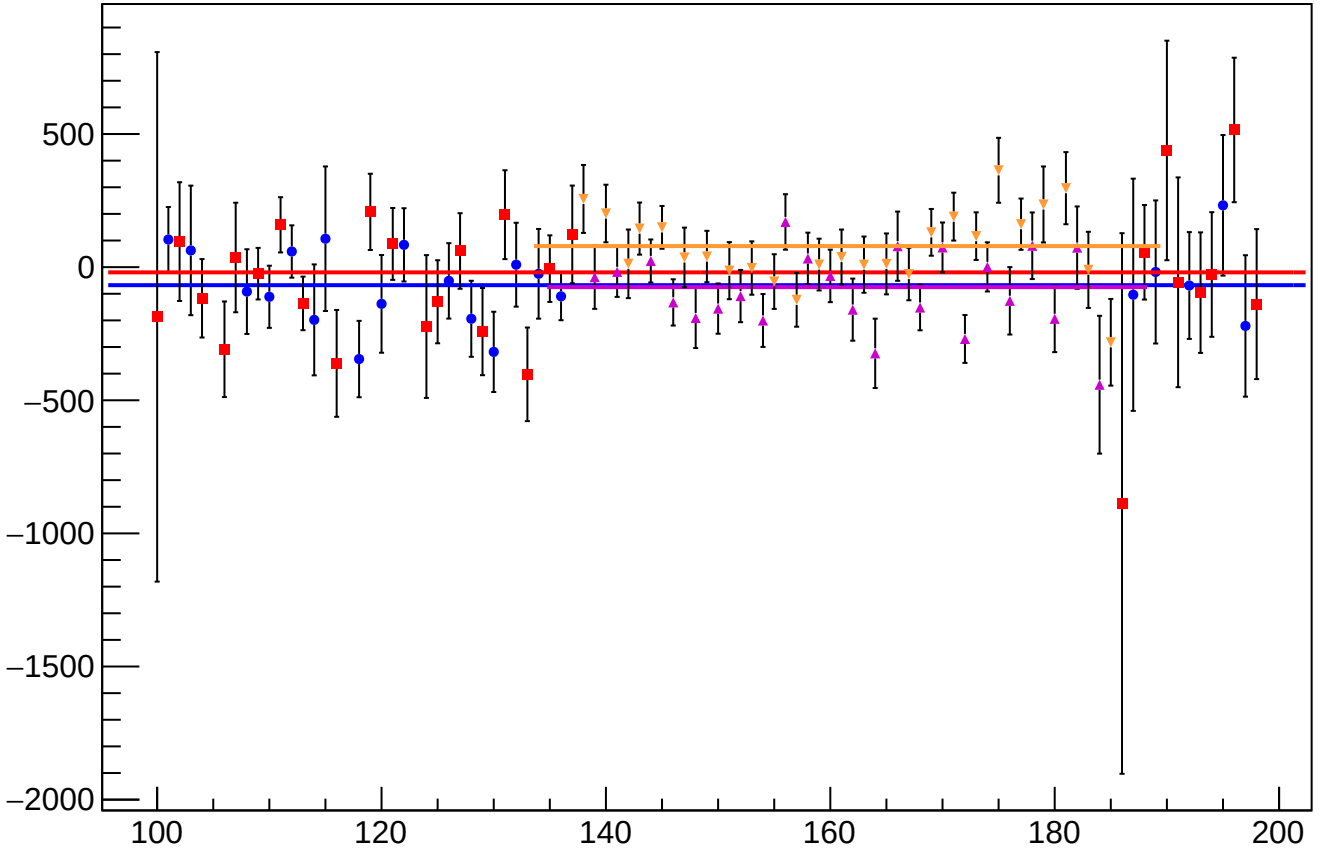
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 857.483+/-0.117 χ^2/NDF: 6192065.8/45

All: 863.006+/-0.083 χ^2/NDF: 14218914.3/95

- sign 868.628+/-0.118 χ^2/NDF: 8022378.9/49

cor_asym_sam_3748_avg_mean vs Slug



Right In: -67.697+/-33.650 χ^2/NDF: 15.7/20

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -19.620+/-32.248 χ^2/NDF: 30.4/26

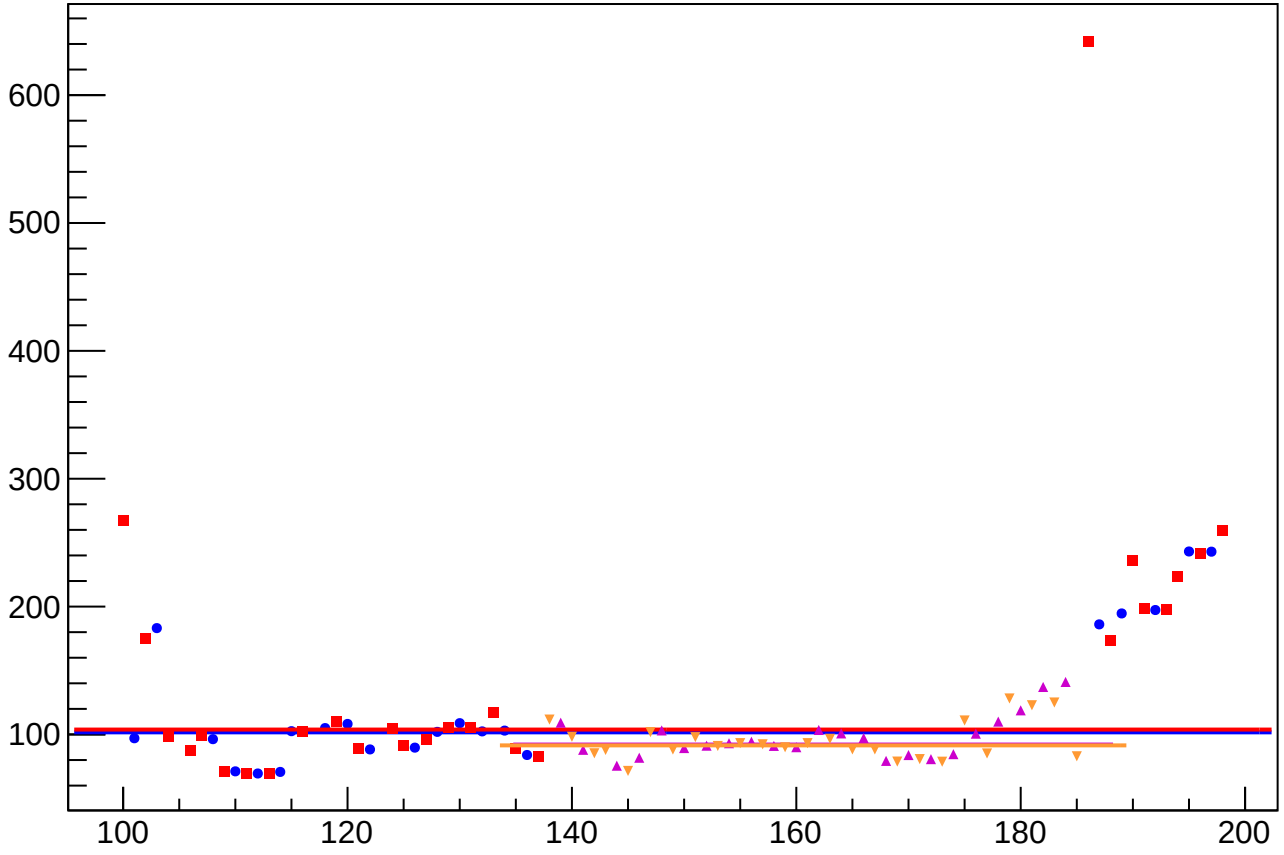
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.669+/-17.878 χ^2/NDF: 61.4/45

All: -9.437+/-12.713 χ^2/NDF: 140.4/95

- sign -57.623+/-18.081 χ^2/NDF: 65.0/49

cor_asym_sam_3748_avg_rms vs Slug



Right In: 101.653+/-0.024 χ^2/NDF: 2654006.2/20

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

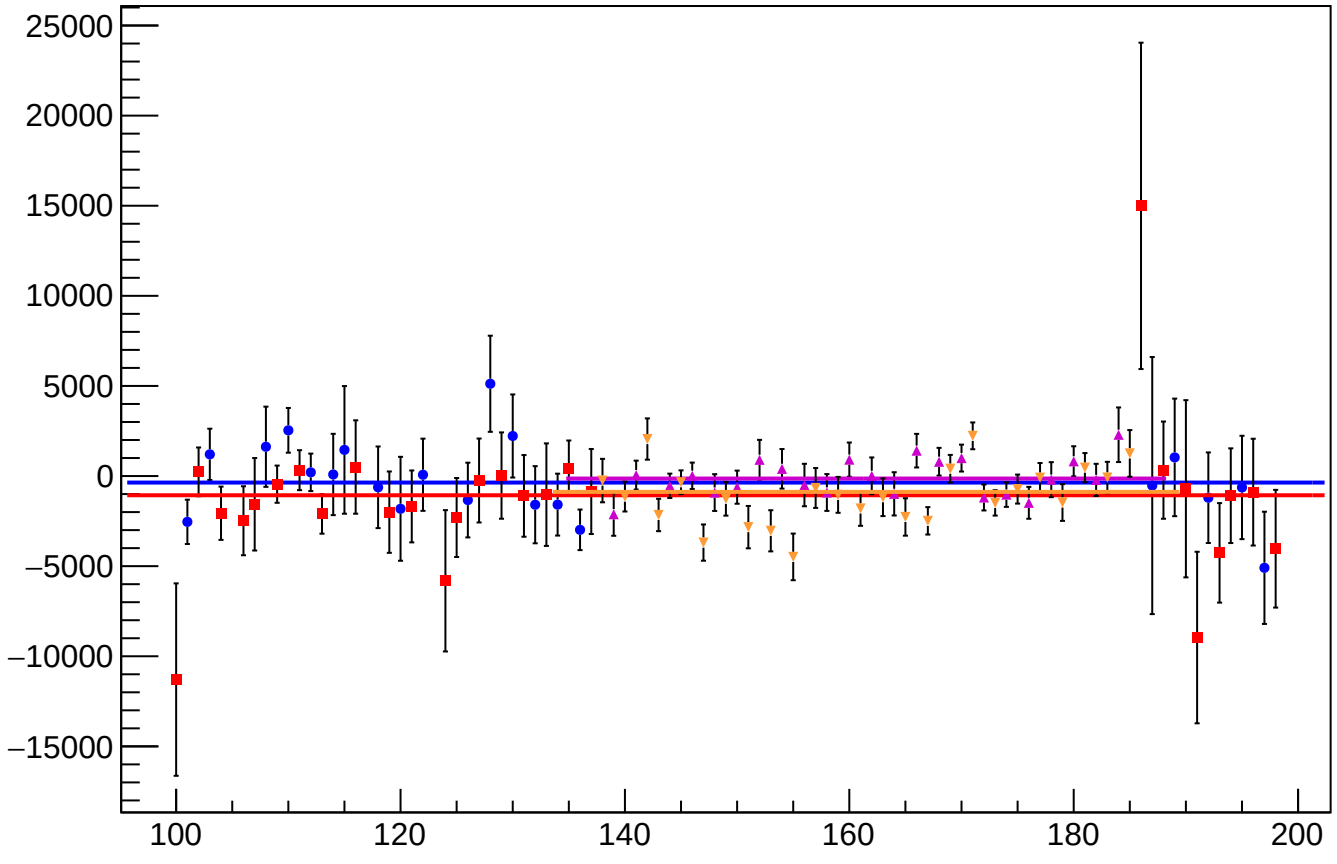
Right Out: 103.830+/-0.023 χ^2/NDF: 4261210.5/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

\+ sign 94.338+/-0.013 χ^2/NDF: 3536881.0/45

All: 95.055+/-0.009 χ^2/NDF: 8685607.6/95

\- sign 95.788+/-0.013 χ^2/NDF: 5142223.5/49



Right In: -361.187+/-402.356 χ^2/NDF: 26.1/20

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1066.143+/-380.194 χ^2/NDF: 20.5/26

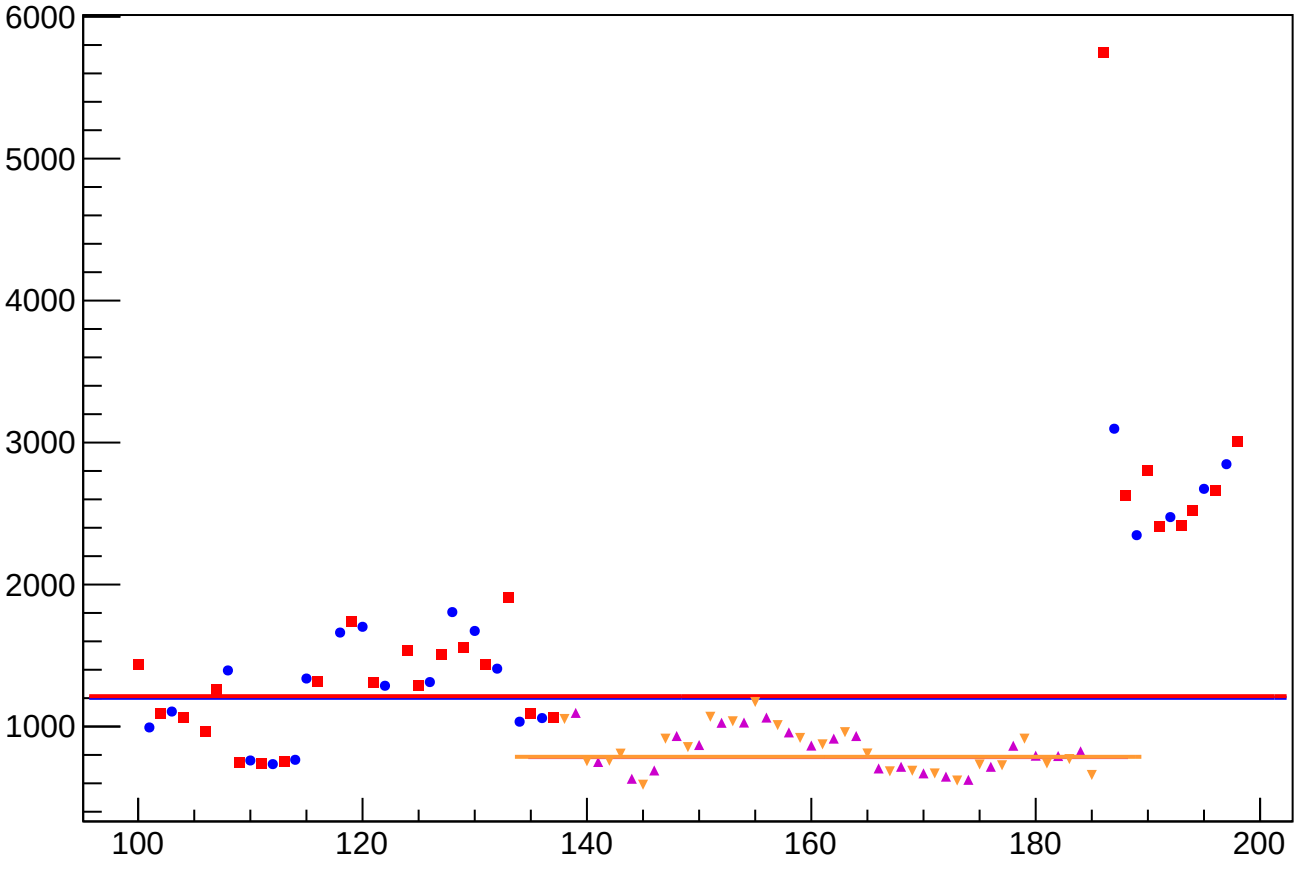
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -790.443+/-165.966 χ^2/NDF: 95.2/45

All: -556.741+/-117.892 χ^2/NDF: 148.7/95

- sign -318.722+/-167.493 χ^2/NDF: 49.5/49

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1202.435+/-0.285 χ^2/NDF: 3209788.0/20

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1213.833+/-0.269 χ^2/NDF: 4897626.0/26

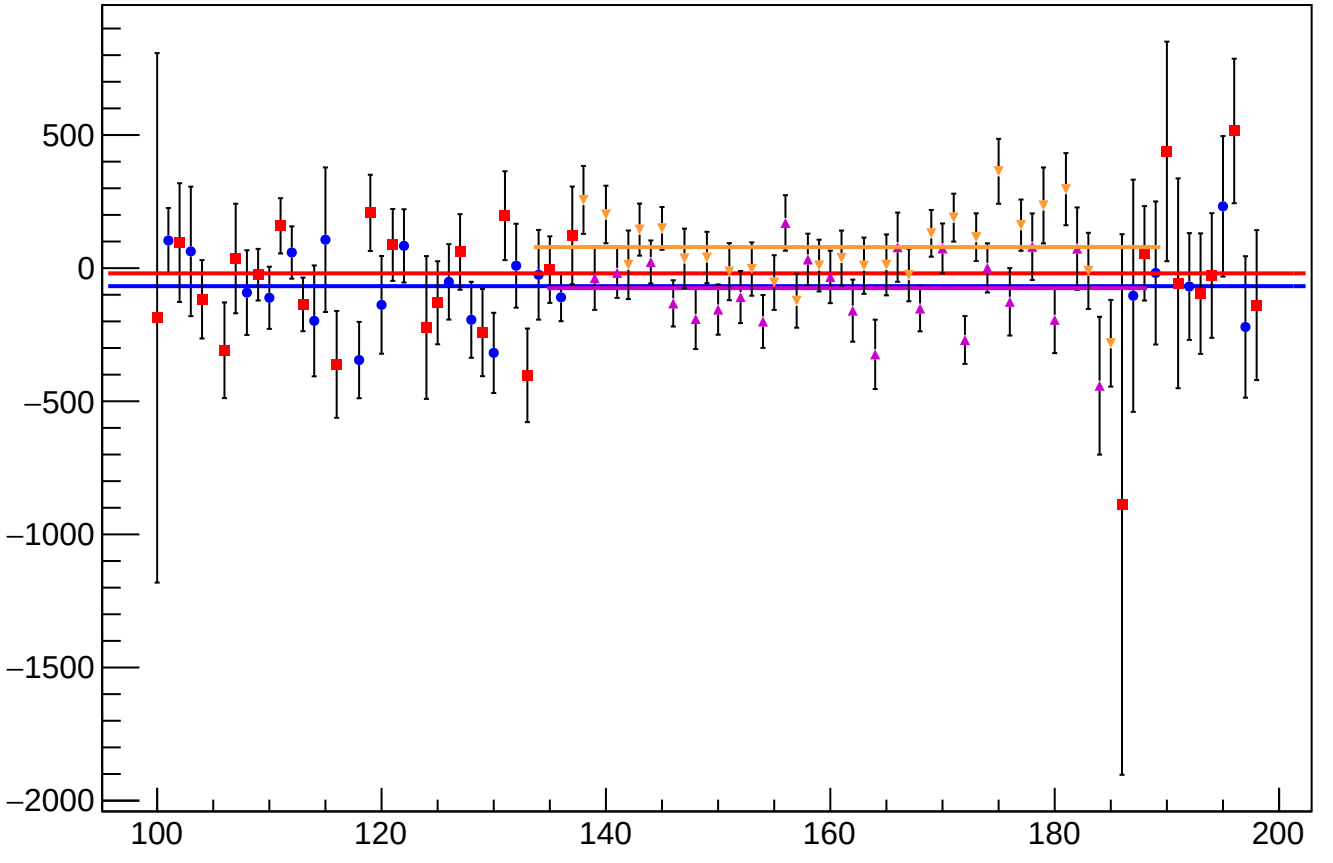
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 857.484+/-0.117 χ^2/NDF: 6192107.9/45

All: 862.740+/-0.083 χ^2/NDF: 14209764.8/95

- sign 868.094+/-0.118 χ^2/NDF: 8013607.2/49

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -67.697+/-33.650 χ^2/NDF: 15.7/20

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -19.620+/-32.248 χ^2/NDF: 30.4/26

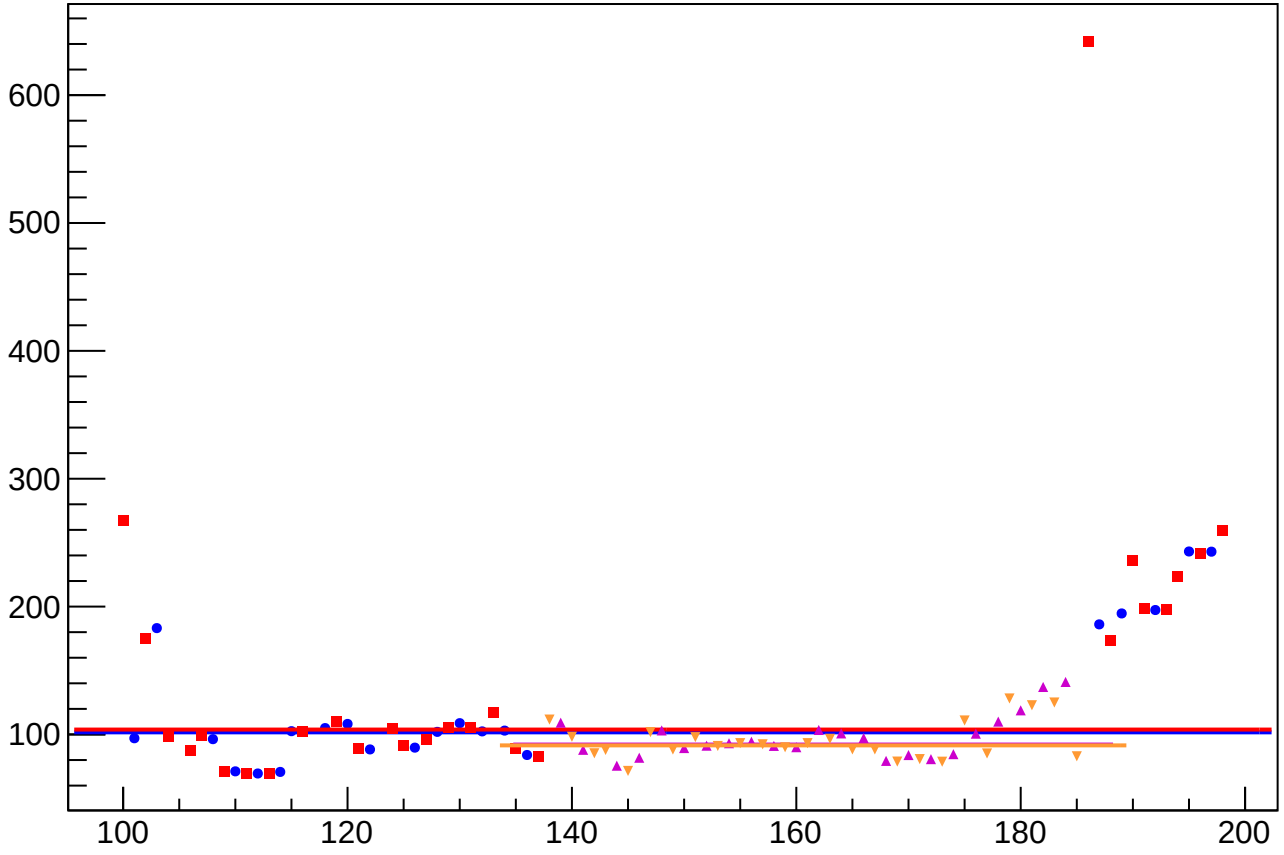
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.669+/-17.878 χ^2/NDF: 61.4/45

All: -9.437+/-12.713 χ^2/NDF: 140.4/95

- sign -57.623+/-18.081 χ^2/NDF: 65.0/49

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 101.653+/-0.024 χ^2/NDF: 2654006.2/20

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

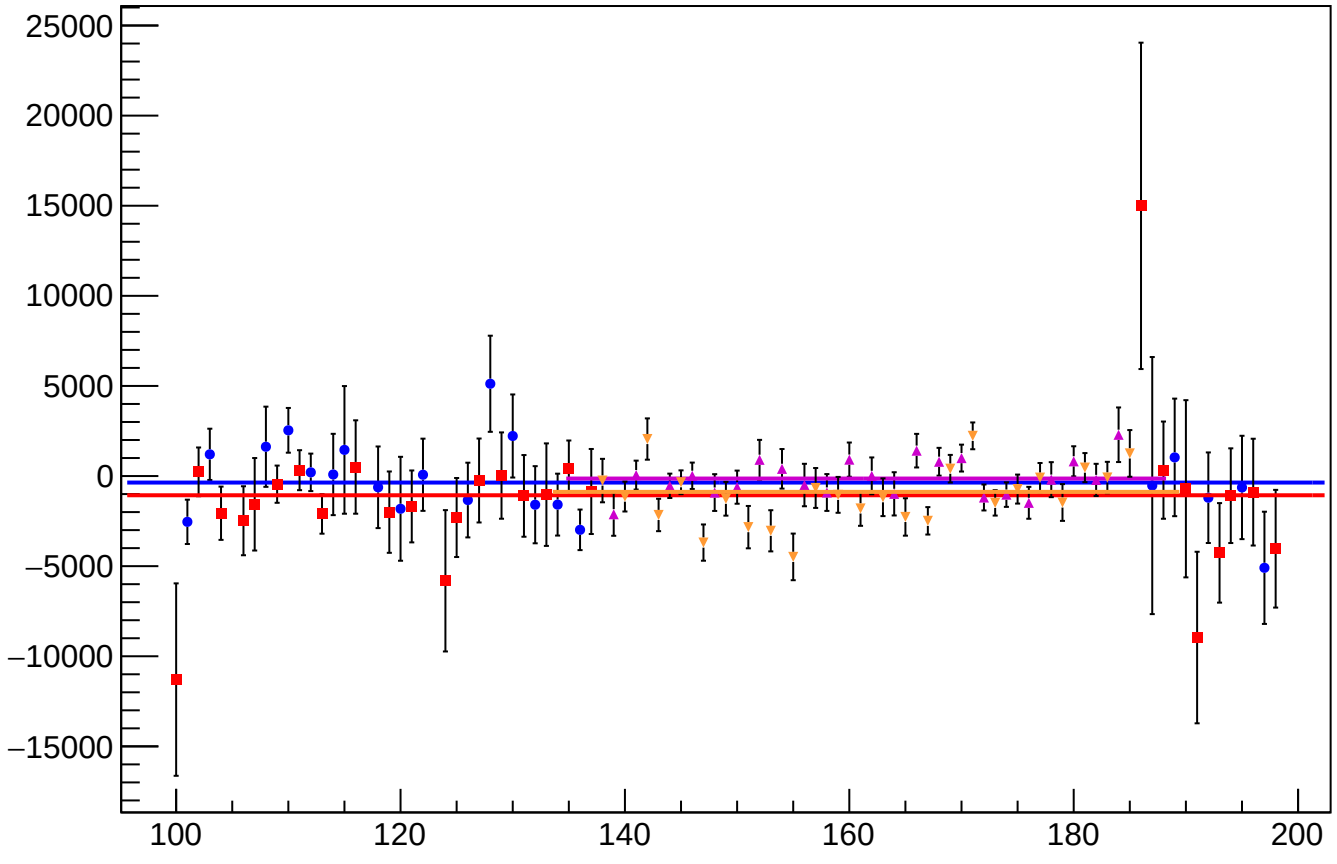
Right Out: 103.830+/-0.023 χ^2/NDF: 4261210.5/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

\+ sign 94.338+/-0.013 χ^2/NDF: 3536881.0/45

All: 95.055+/-0.009 χ^2/NDF: 8685607.6/95

\- sign 95.788+/-0.013 χ^2/NDF: 5142223.5/49



Right In: -361.187+/-402.356 χ^2/NDF: 26.1/20

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

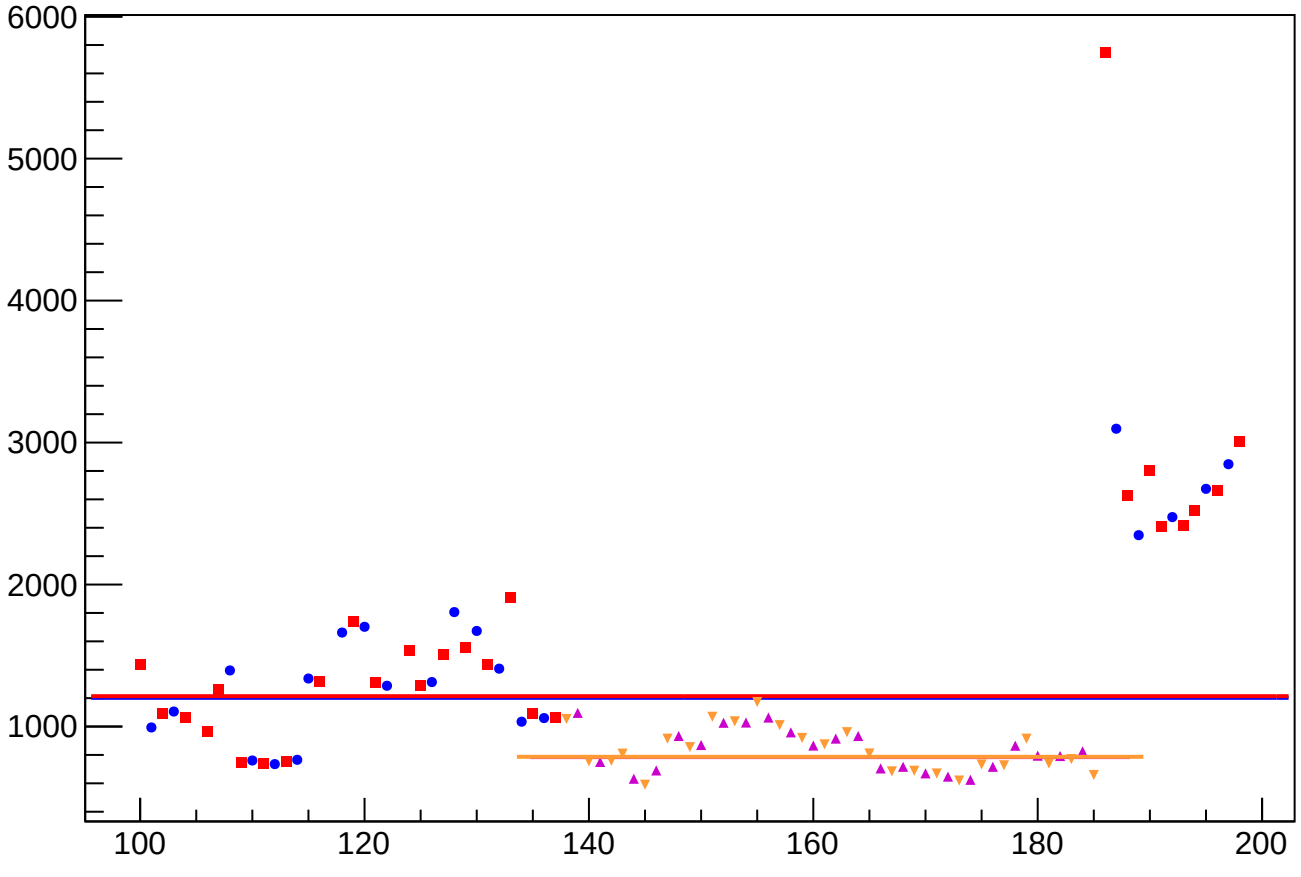
Right Out: -1066.143+/-380.194 χ^2/NDF: 20.5/26

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -790.443+/-165.966 χ^2/NDF: 95.2/45

All: -556.741+/-117.892 χ^2/NDF: 148.7/95

- sign -318.722+/-167.493 χ^2/NDF: 49.5/49



Right In: 1202.435+/-0.285 χ^2/NDF: 3209788.0/20

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1213.833+/-0.269 χ^2/NDF: 4897626.0/26

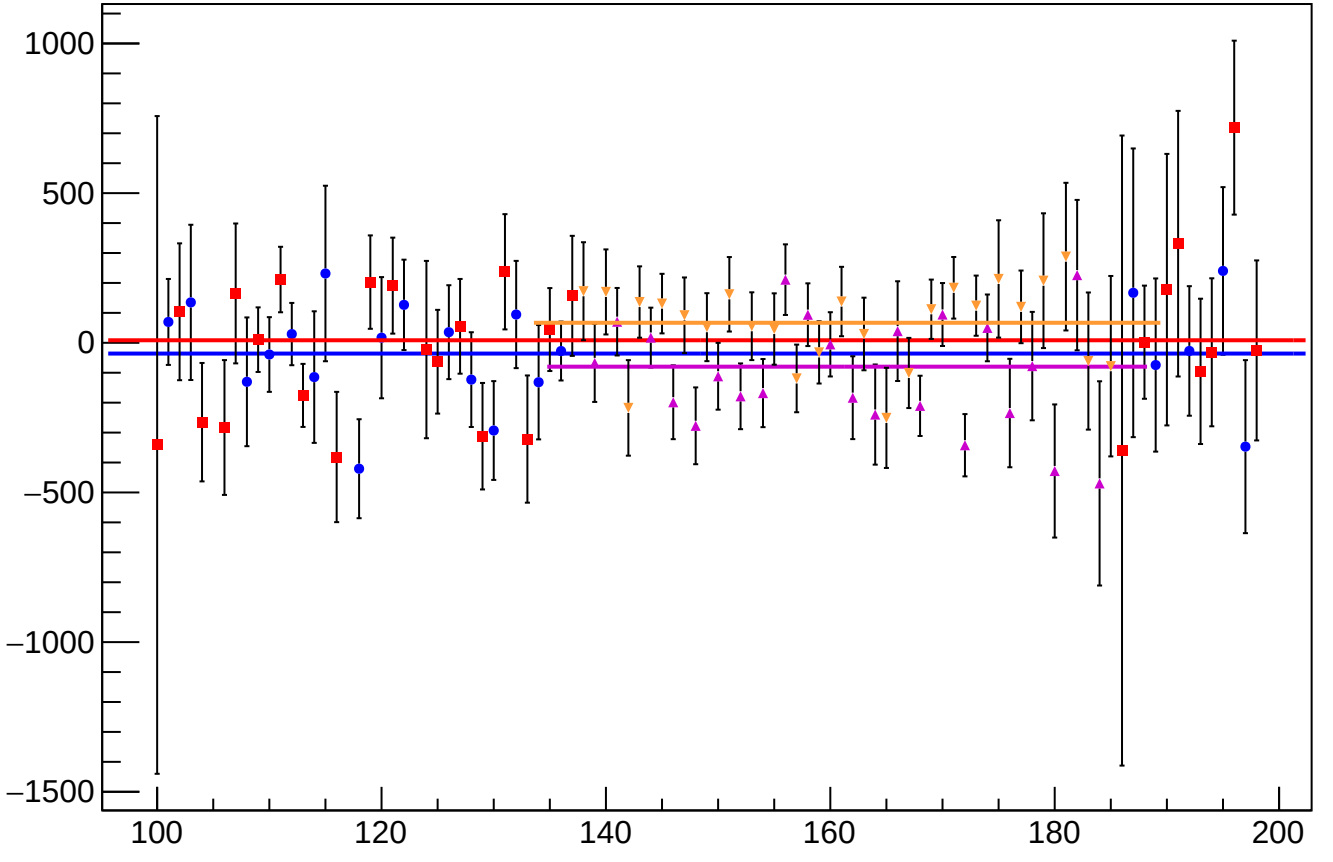
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 857.484+/-0.117 χ^2/NDF: 6192107.9/45

All: 862.740+/-0.083 χ^2/NDF: 14209764.8/95

- sign 868.094+/-0.118 χ^2/NDF: 8013607.2/49

dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.978+/-37.265 χ^2/NDF: 15.2/20

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 8.452+/-35.769 χ^2/NDF: 31.8/26

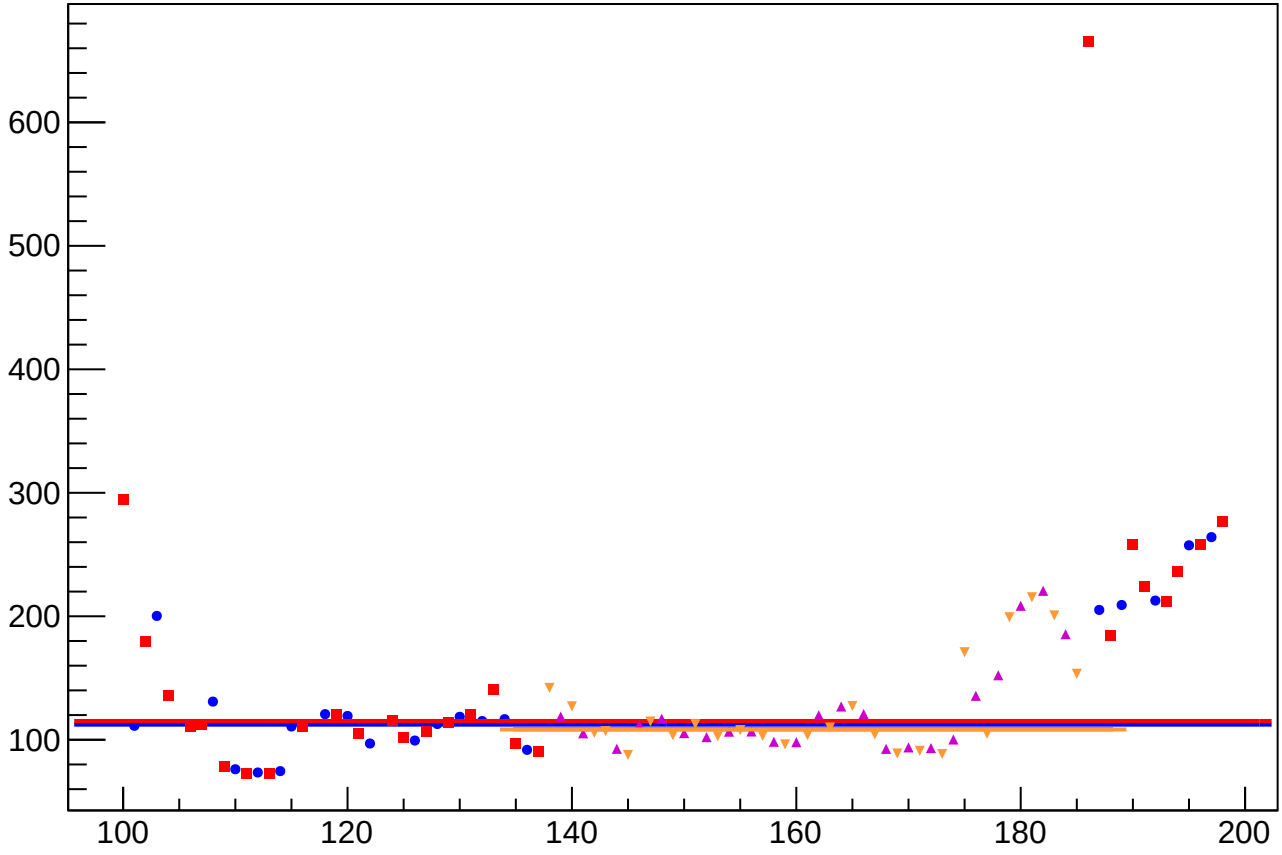
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 33.941+/-21.092 χ^2/NDF: 40.0/45

All: -7.246+/-14.948 χ^2/NDF: 120.4/95

- sign -48.811+/-21.188 χ^2/NDF: 72.7/49

dit_asym_sam_3748_avg_rms vs Slug



Right In: 112.242+/-0.026 χ^2/NDF: 2701728.6/20

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 115.233+/-0.025 χ^2/NDF: 4205051.5/26

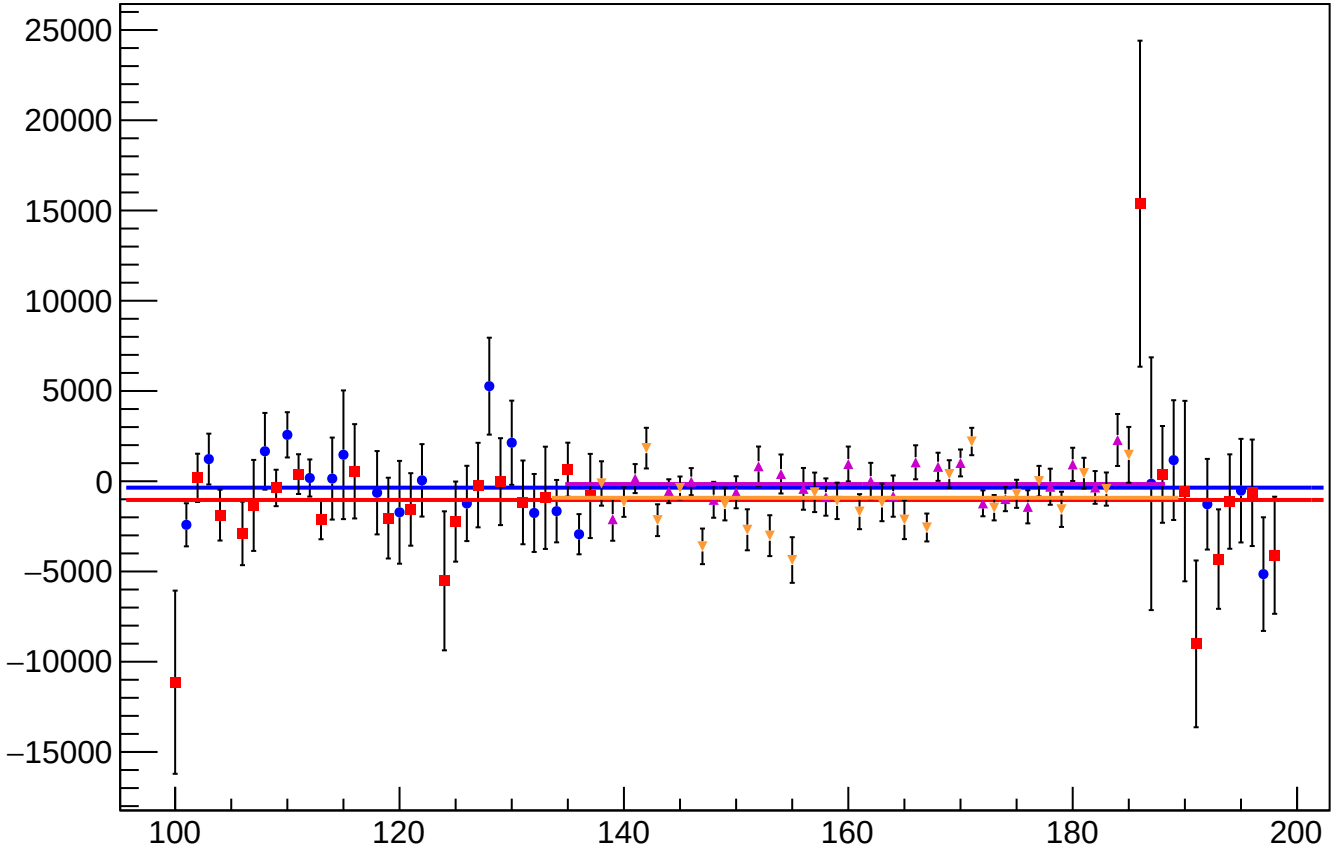
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 109.583+/-0.015 χ^2/NDF: 4491306.7/45

All: 110.217+/-0.011 χ^2/NDF: 10125487.4/95

- sign 110.858+/-0.015 χ^2/NDF: 5630547.4/49

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -355.872+/-400.285 χ^2/NDF: 26.2/20

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -1038.028+/-375.415 χ^2/NDF: 22.1/26

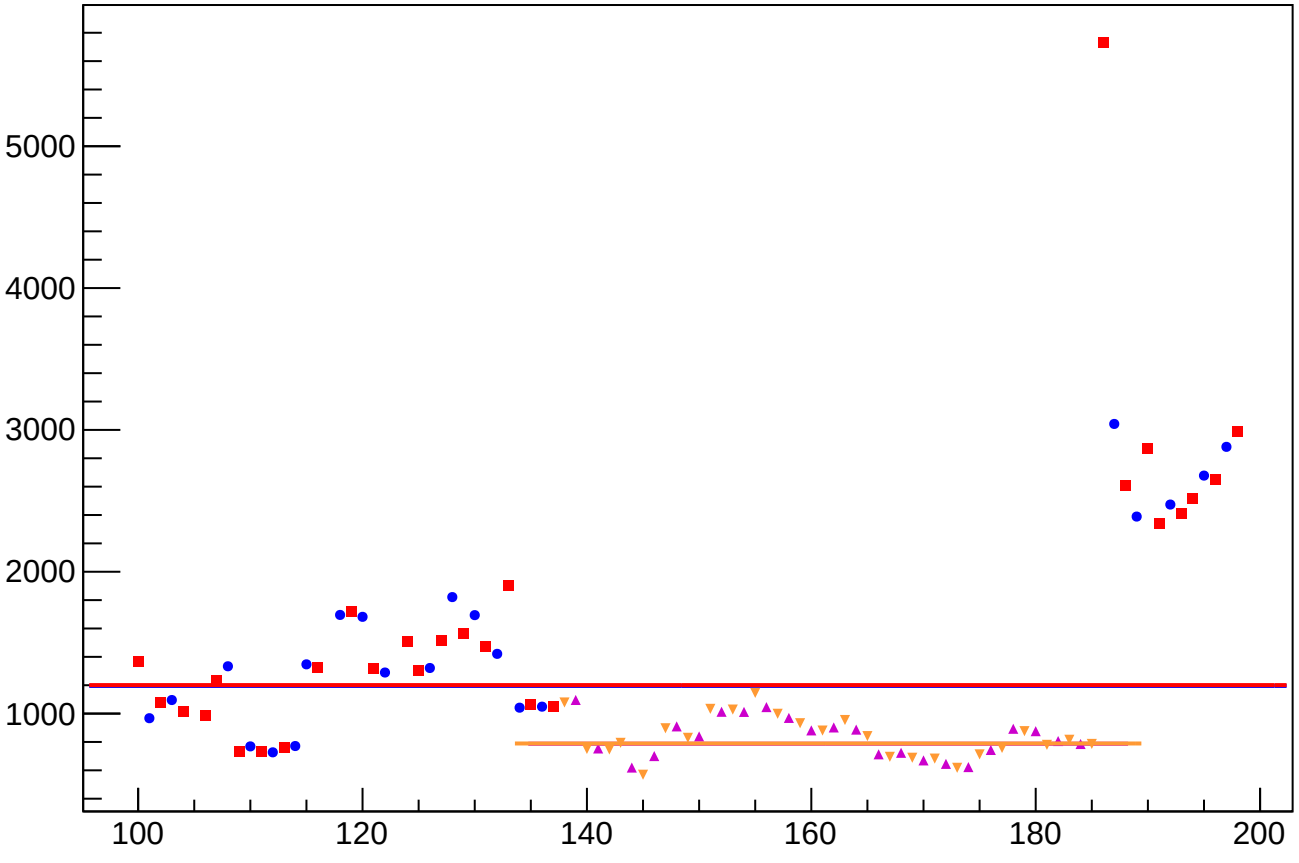
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -821.904+/-166.026 χ^2/NDF: 91.9/45

All: -578.778+/-117.904 χ^2/NDF: 145.8/95

- sign -331.415+/-167.467 χ^2/NDF: 49.6/49

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1195.015+/-0.283 χ^2/NDF: 3270607.3/20

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1200.867+/-0.265 χ^2/NDF: 4961512.7/26

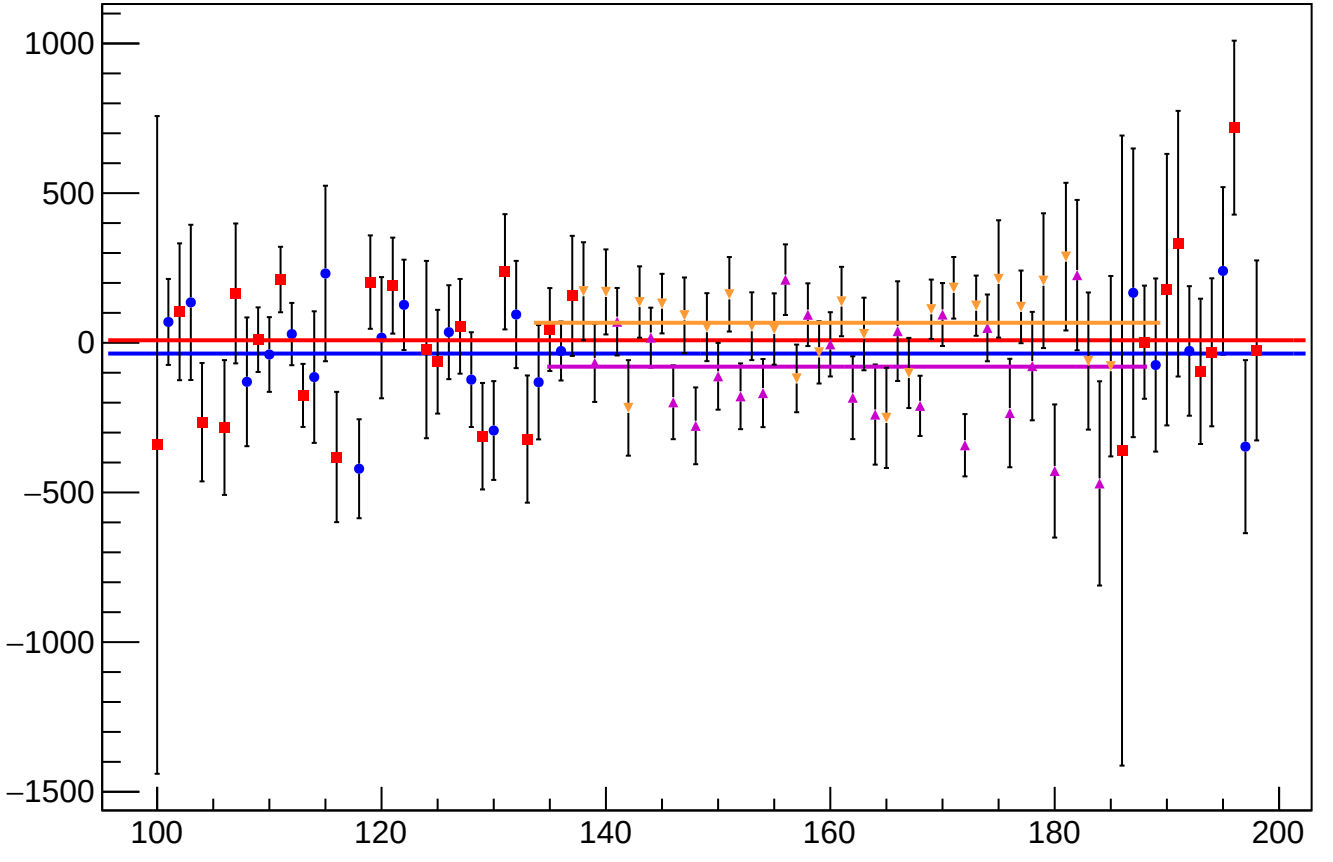
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 859.055+/-0.117 χ^2/NDF: 6148987.6/45

All: 864.316+/-0.083 χ^2/NDF: 14099275.9/95

- sign 869.668+/-0.118 χ^2/NDF: 7946237.3/49

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.977+/-37.265 χ^2/NDF: 15.2/20

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 8.453+/-35.769 χ^2/NDF: 31.8/26

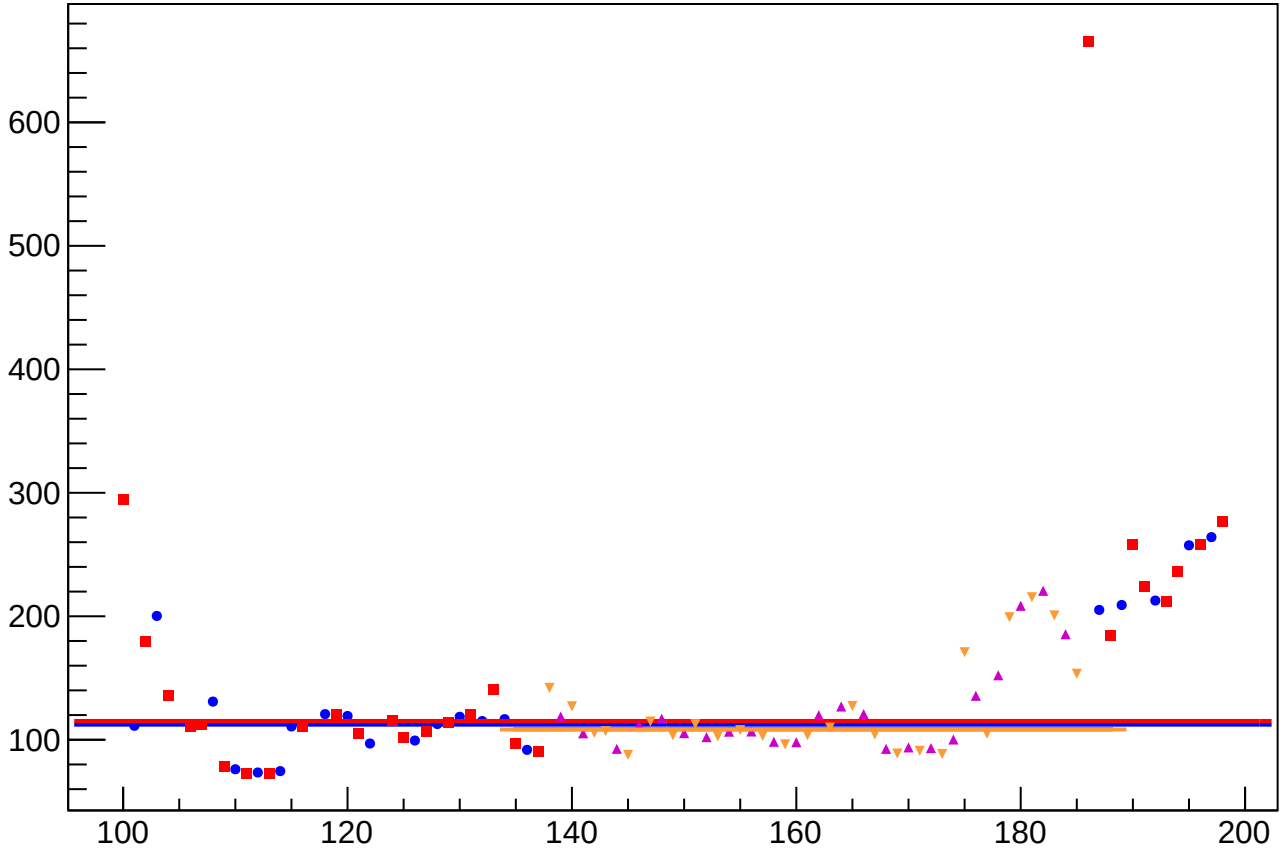
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 33.942+/-21.092 χ^2/NDF: 40.0/45

All: -7.245+/-14.948 χ^2/NDF: 120.4/95

- sign -48.810+/-21.188 χ^2/NDF: 72.7/49

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 112.242+/-0.026 χ^2/NDF: 2701720.8/20

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

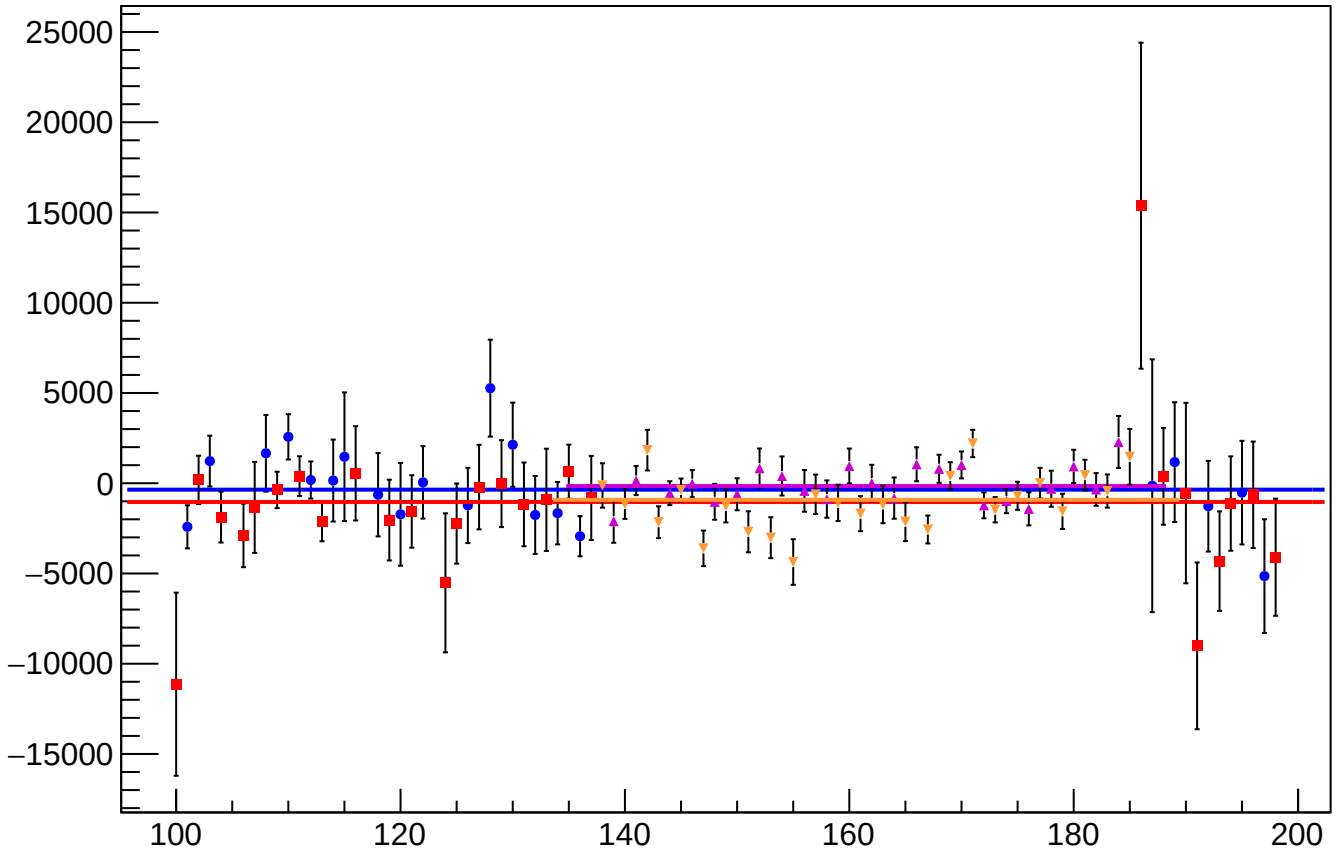
Right Out: 115.233+/-0.025 χ^2/NDF: 4205053.4/26

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 109.584+/-0.015 χ^2/NDF: 4491292.3/45

All: 110.218+/-0.011 χ^2/NDF: 10125453.8/95

- sign 110.858+/-0.015 χ^2/NDF: 5630528.1/49



Right In: -355.871+/-400.285 χ^2/NDF: 26.2/20

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

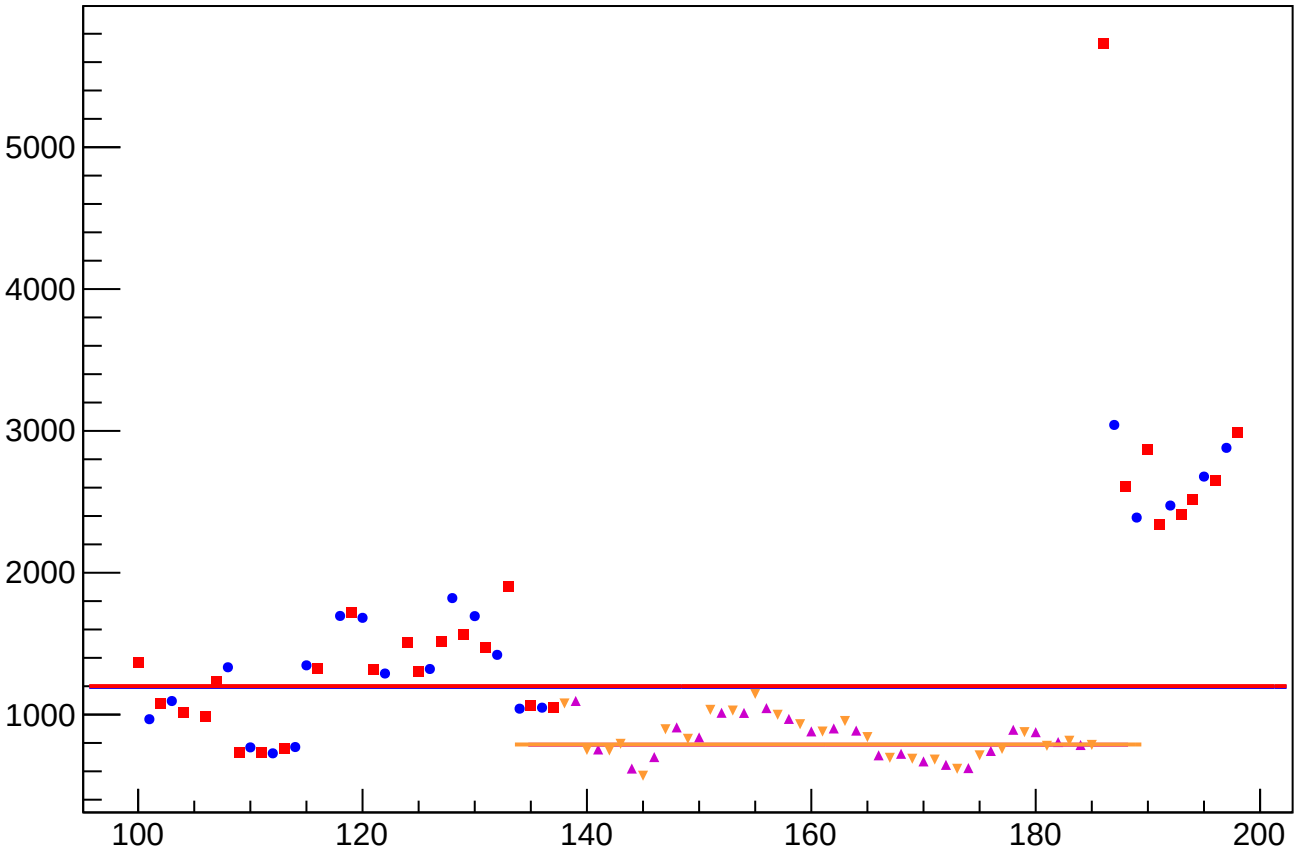
Right Out: -1038.026+/-375.415 χ^2/NDF: 22.1/26

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -821.902+/-166.026 χ^2/NDF: 91.9/45

All: -578.777+/-117.904 χ^2/NDF: 145.8/95

- sign -331.413+/-167.467 χ^2/NDF: 49.6/49



Right In: 1195.013+/-0.283 χ^2/NDF: 3270614.7/20

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1200.866+/-0.265 χ^2/NDF: 4961516.1/26

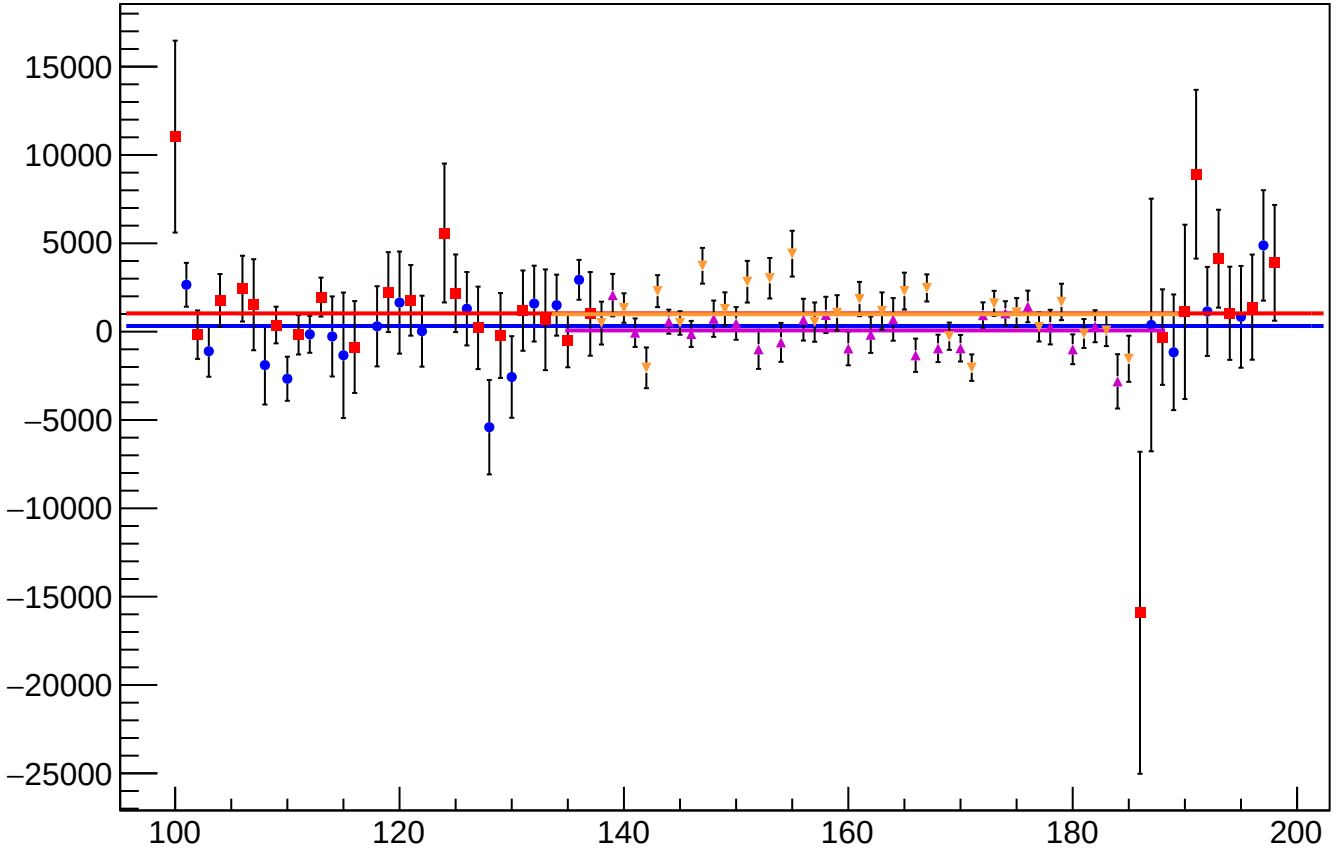
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 859.053+/-0.117 χ^2/NDF: 6148997.0/45

All: 864.314+/-0.083 χ^2/NDF: 14099290.0/95

- sign 869.667+/-0.118 χ^2/NDF: 7946241.9/49

asym_sam_3748_avg_mean vs Slug



Right In: 320.271+/-404.466 χ^2/NDF: 27.0/20

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1032.893+/-381.586 χ^2/NDF: 19.7/26

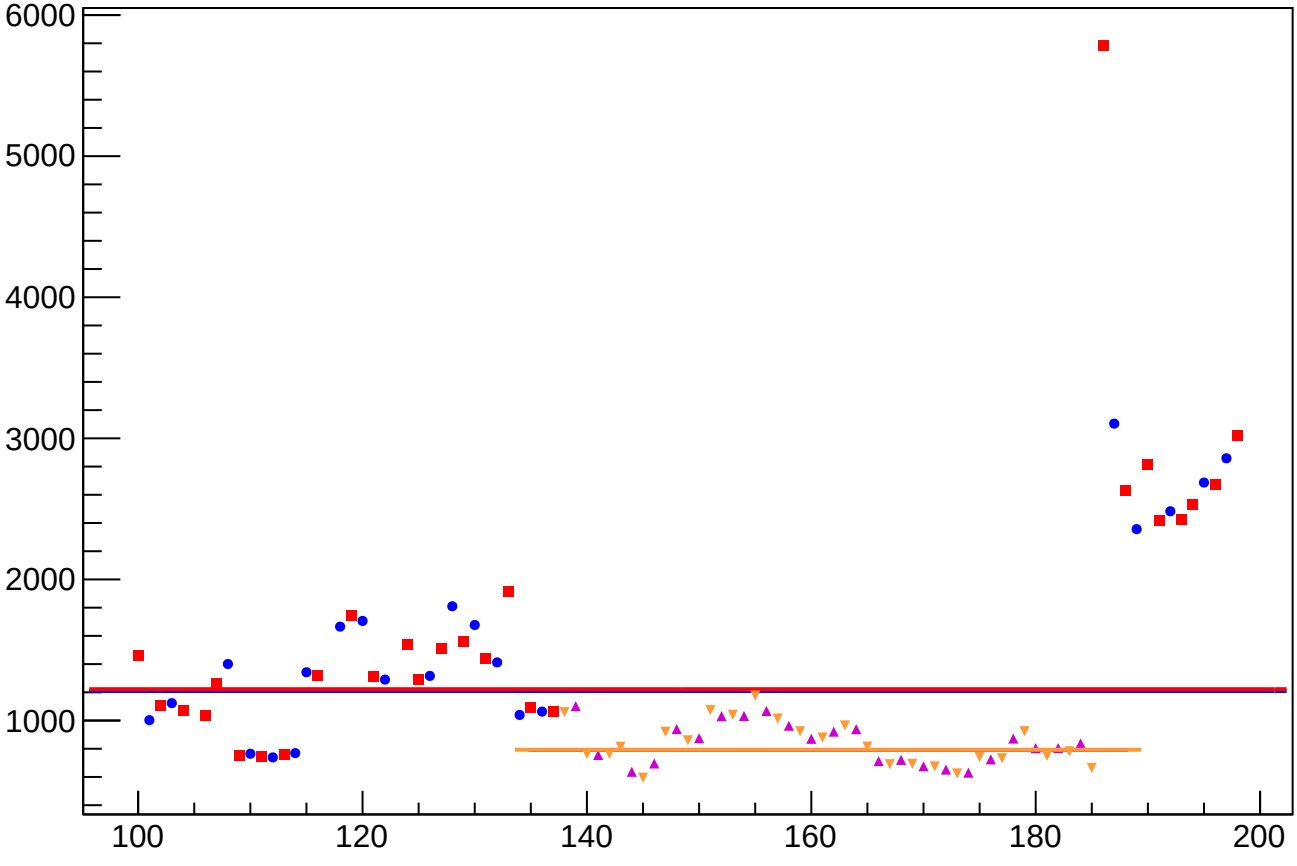
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 871.974+/-167.183 χ^2/NDF: 92.9/45

All: 567.805+/-118.738 χ^2/NDF: 148.9/95

- sign 258.204+/-168.669 χ^2/NDF: 49.2/49

asym_sam_3748_avg_rms vs Slug



Right In: 1209.182+/-0.286 χ^2/NDF: 3197602.7/20

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

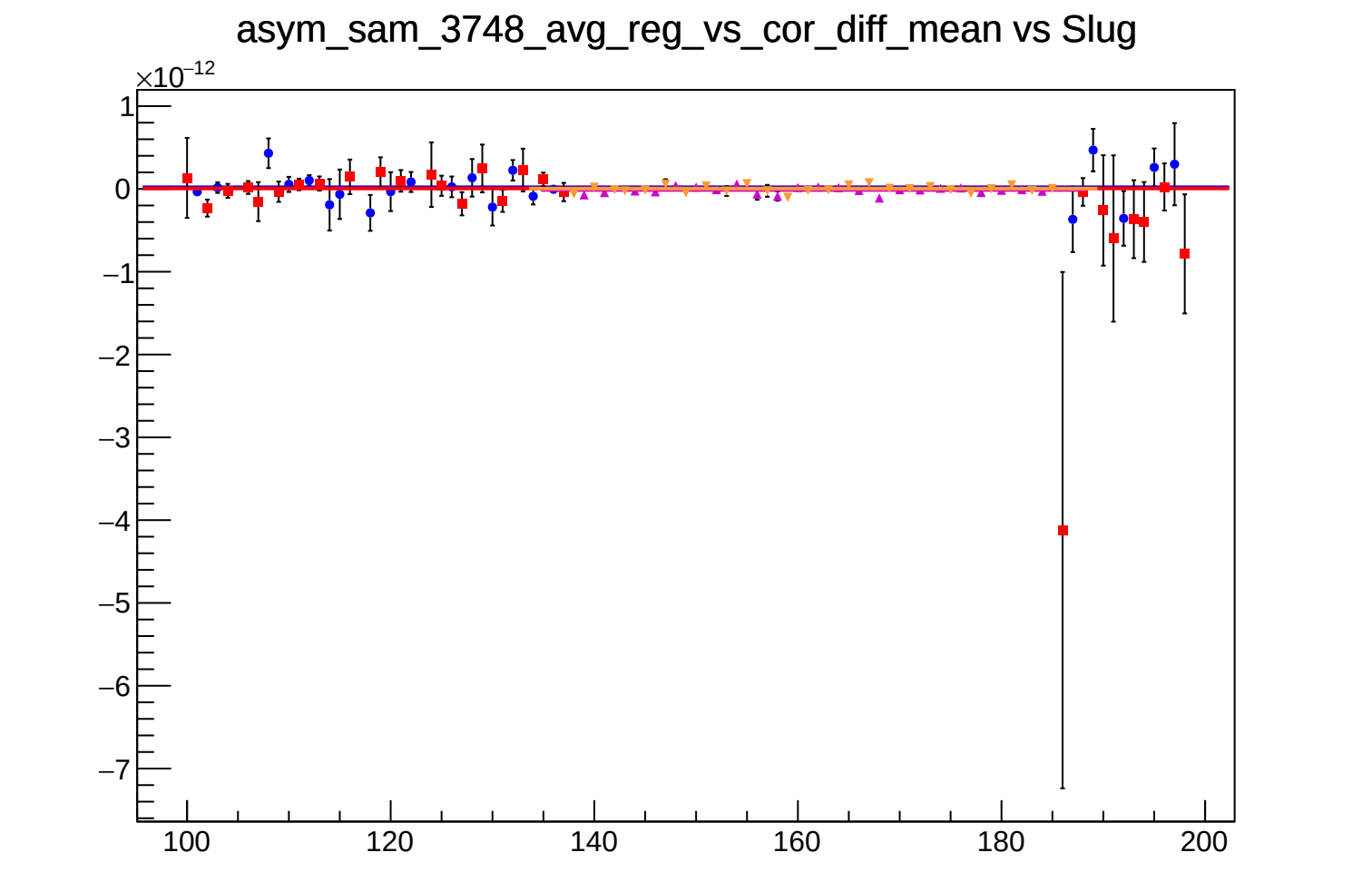
Right Out: 1222.108+/-0.270 χ^2/NDF: 4873246.3/26

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

\+ sign 864.148+/-0.118 χ^2/NDF: 6146900.3/45

All: 869.702+/-0.084 χ^2/NDF: 14126259.0/95

\- sign 875.356+/-0.119 χ^2/NDF: 7974903.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

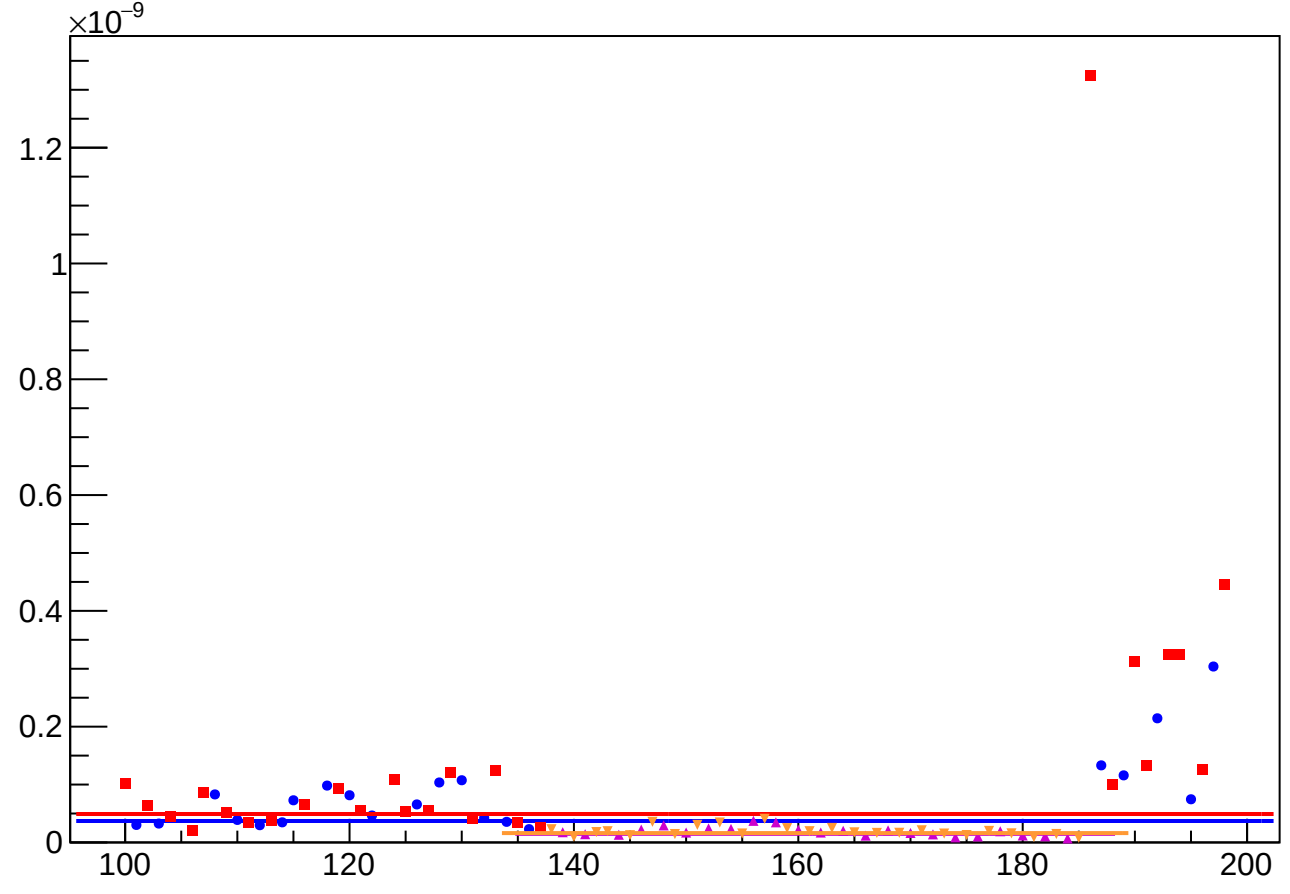
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/26

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.2/45

All: -0.000+/-0.000 χ^2/NDF: 108.0/95

- sign -0.000+/-0.000 χ^2/NDF: 46.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 2731678.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4076004.5/26

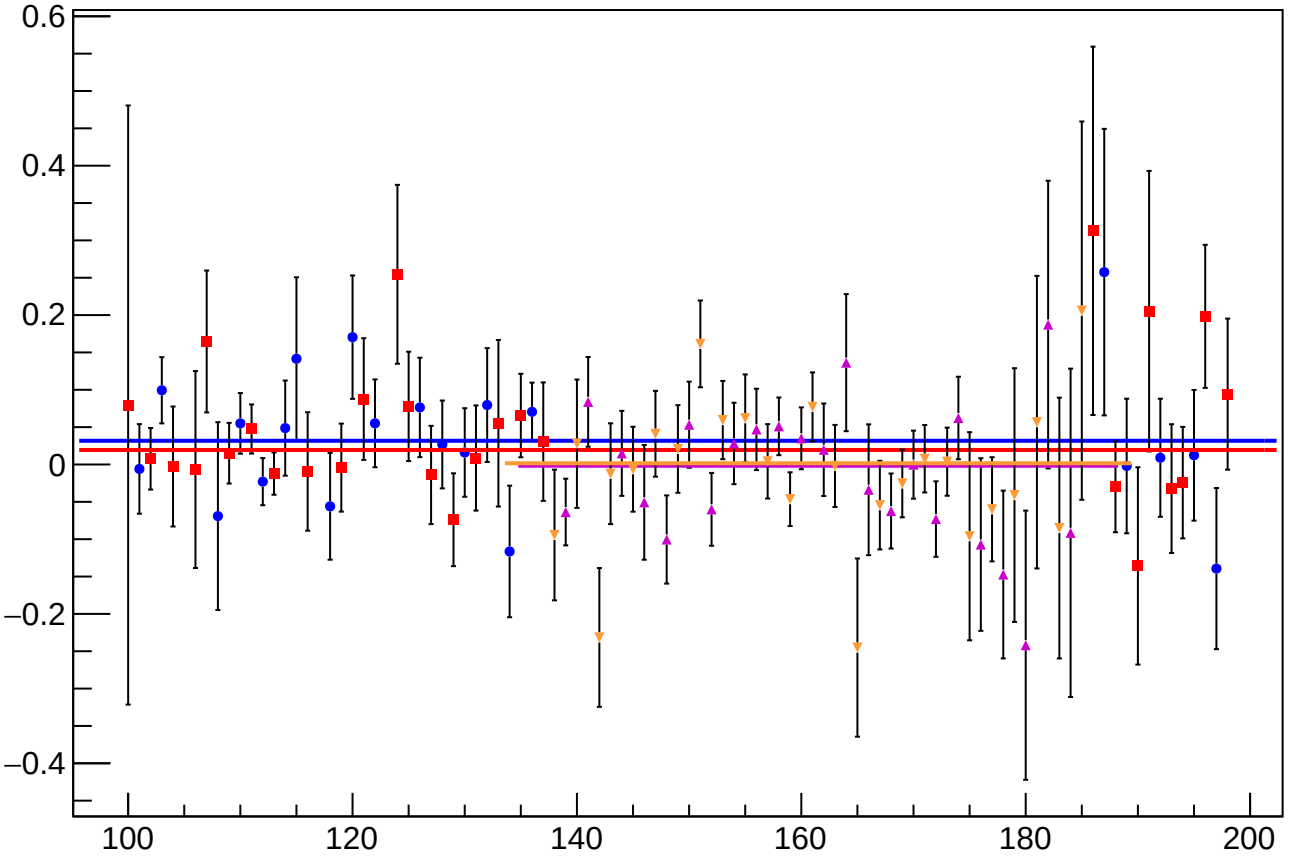
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6178843.4/45

All: 0.000+/-0.000 χ^2/NDF: 15152608.6/95

- sign 0.000+/-0.000 χ^2/NDF: 8940296.5/49

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.032+/-0.013 χ^2/NDF: 21.2/20

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.019+/-0.012 χ^2/NDF: 22.5/26

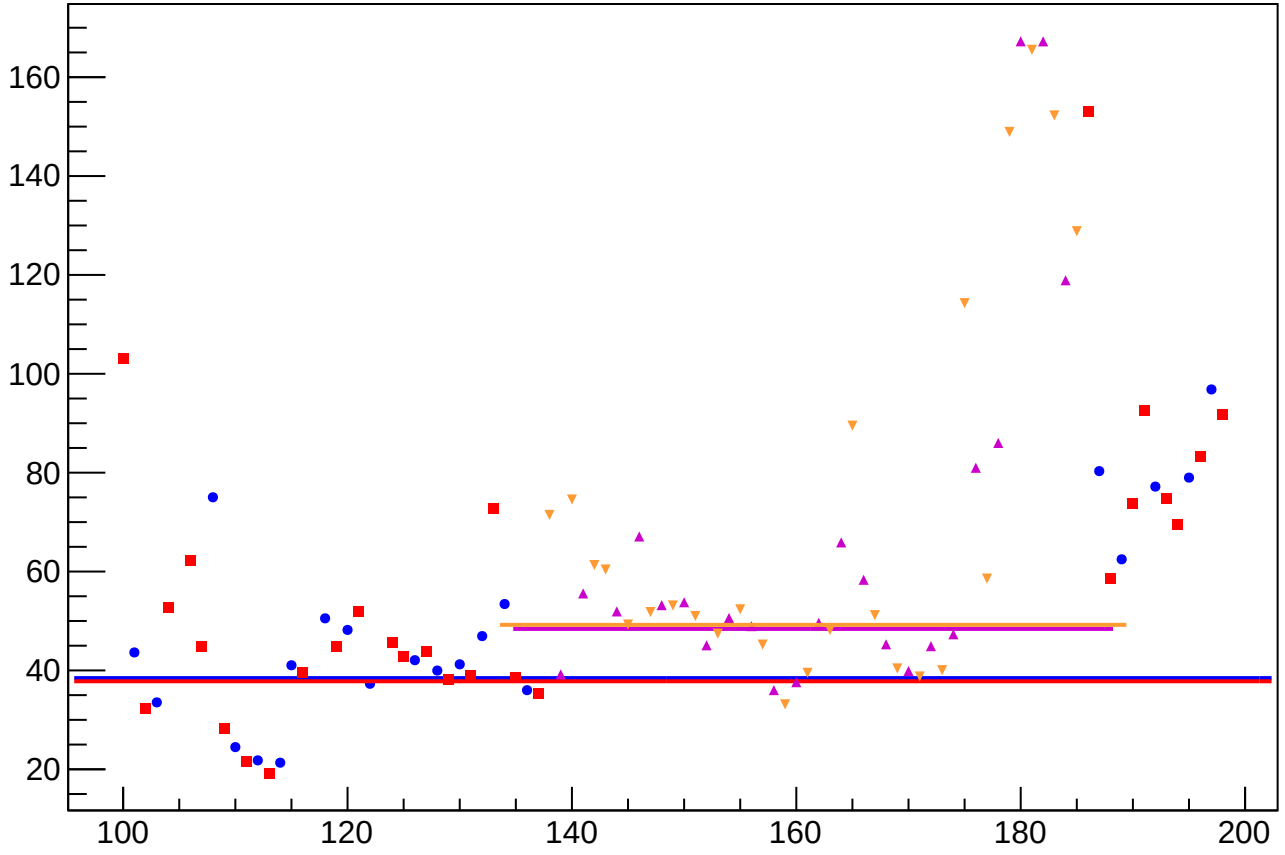
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 54.4/45

All: 0.012+/-0.006 χ^2/NDF: 104.7/95

- sign 0.009+/-0.009 χ^2/NDF: 50.1/49

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 38.448+/-0.009 χ^2/NDF: 3069654.1/20

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

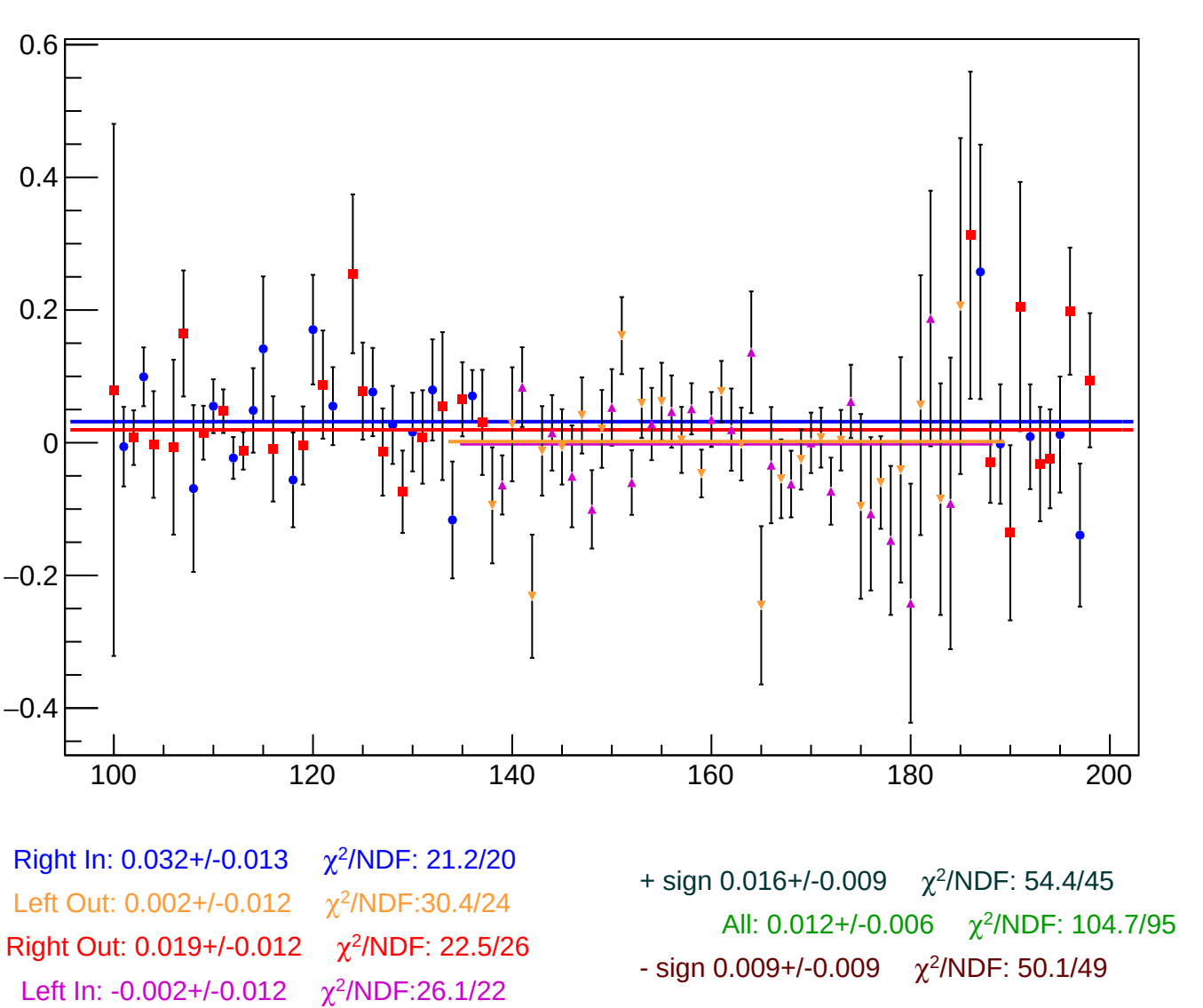
Right Out: 37.804+/-0.009 χ^2/NDF: 4767626.5/26

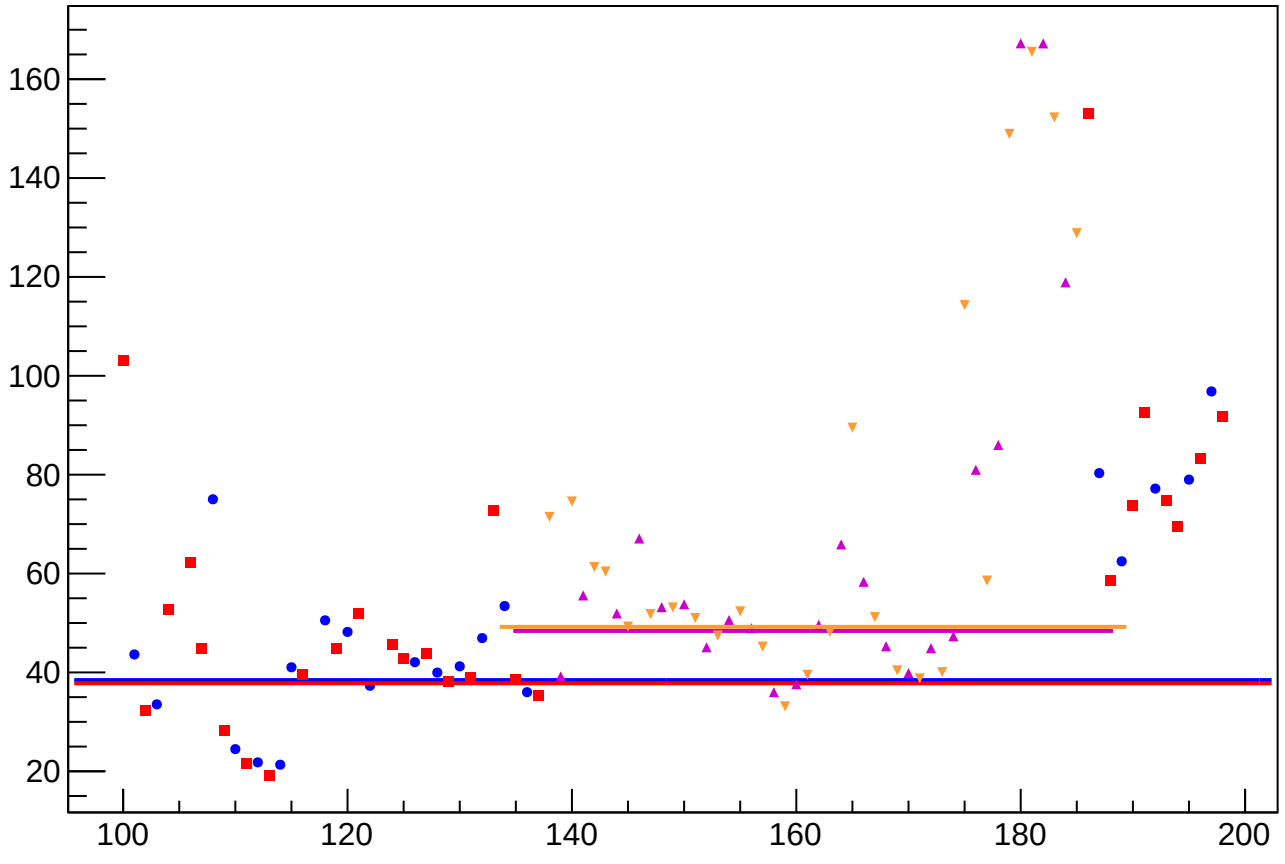
Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 44.226+/-0.006 χ^2/NDF: 7951962.2/45

All: 43.608+/-0.004 χ^2/NDF: 16512737.9/95

- sign 43.032+/-0.006 χ^2/NDF: 8542581.2/49


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.032+/-0.013 χ²/NDF: 21.2/20
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.019+/-0.012 χ²/NDF: 22.5/26
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.016+/-0.009 χ²/NDF: 54.4/45
All: 0.012+/-0.006 χ²/NDF: 104.7/95
- sign 0.009+/-0.009 χ²/NDF: 50.1/49



Right In: 38.448+/-0.009 χ^2/NDF: 3069654.1/20

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

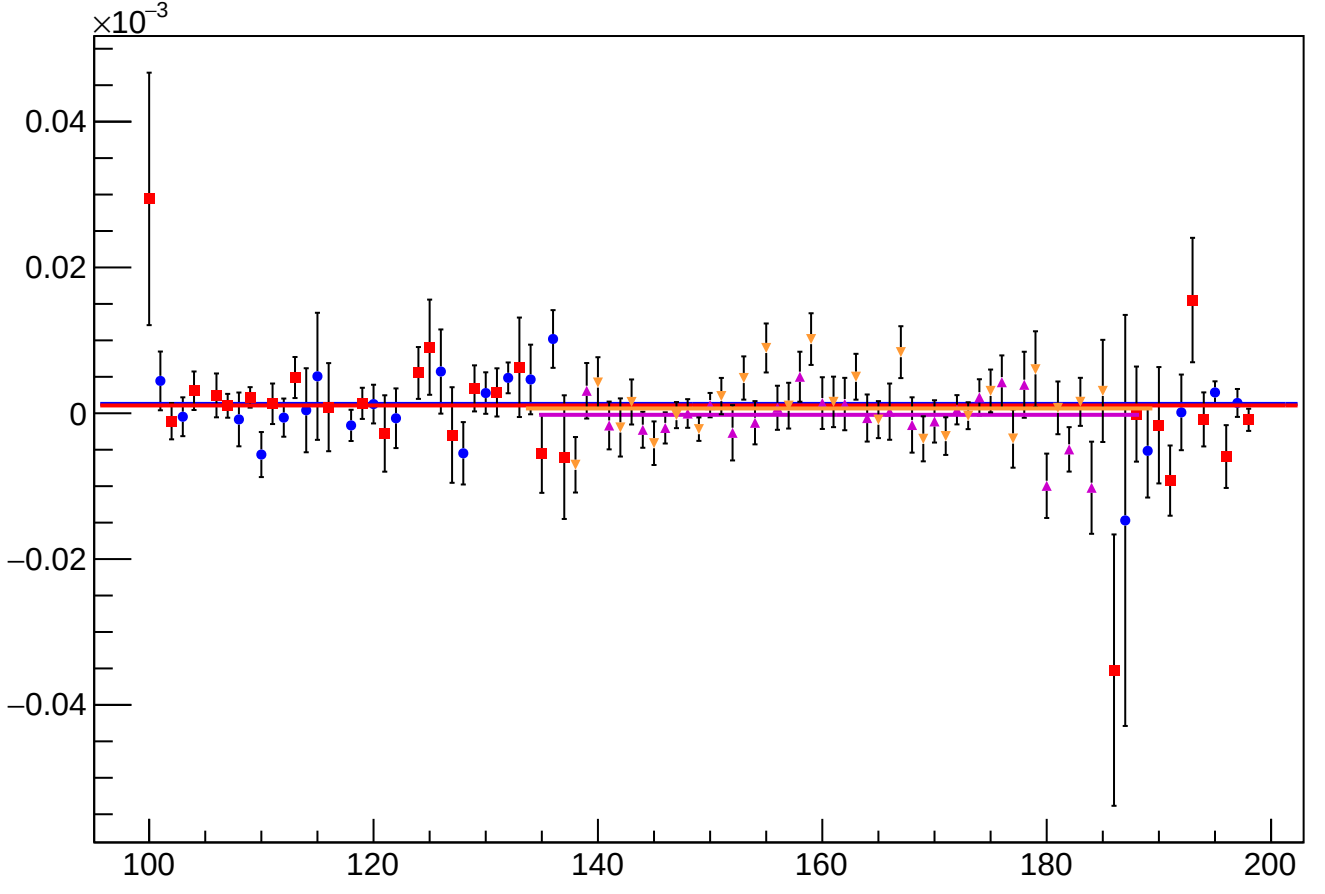
Right Out: 37.804+/-0.009 χ^2/NDF: 4767626.5/26

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 44.226+/-0.006 χ^2/NDF: 7951962.2/45

All: 43.608+/-0.004 χ^2/NDF: 16512737.9/95

- sign 43.032+/-0.006 χ^2/NDF: 8542581.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

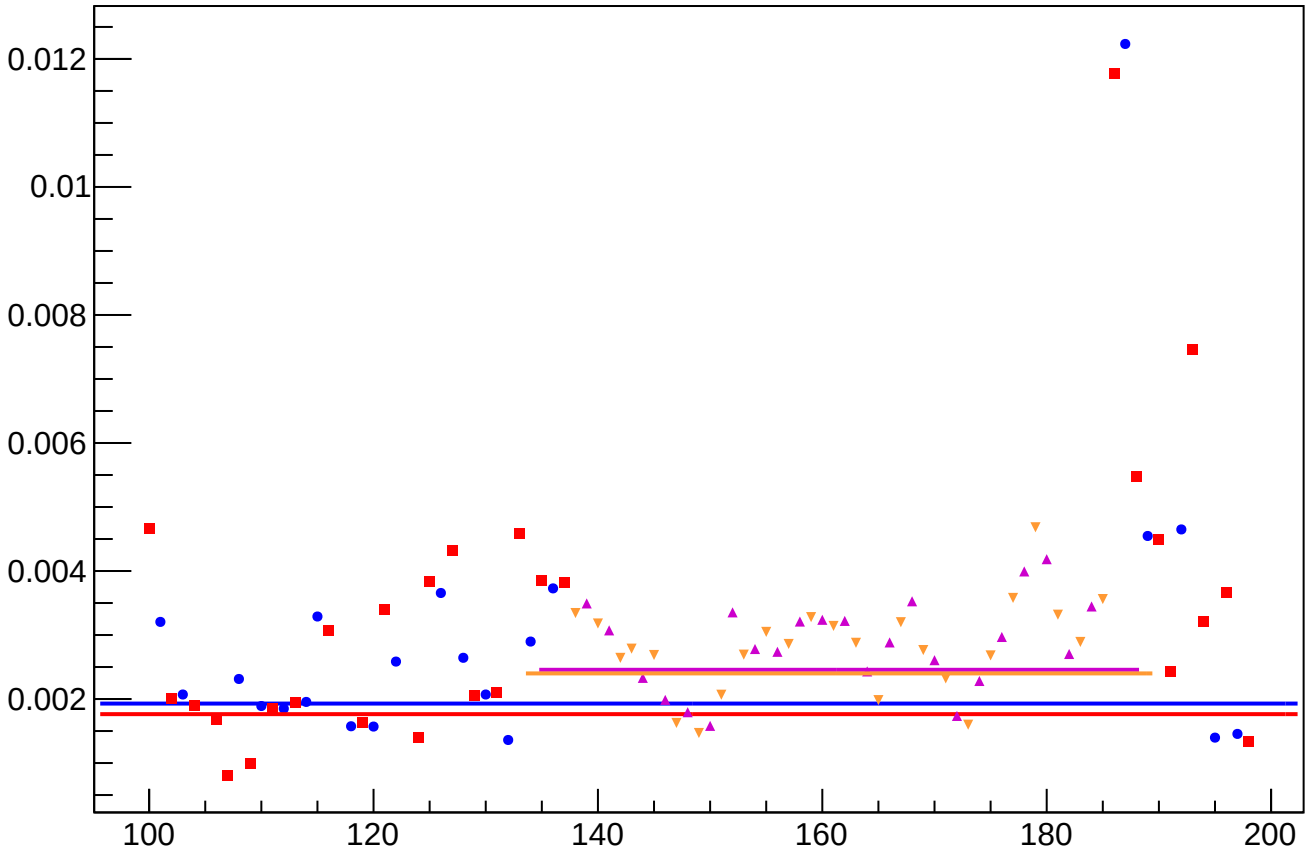
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/26

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/45

All: 0.000+/-0.000 χ^2/NDF: 118.8/95

- sign 0.000+/-0.000 χ^2/NDF: 52.4/49



Right In: 0.002+/-0.000 χ^2/NDF: 2819367.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

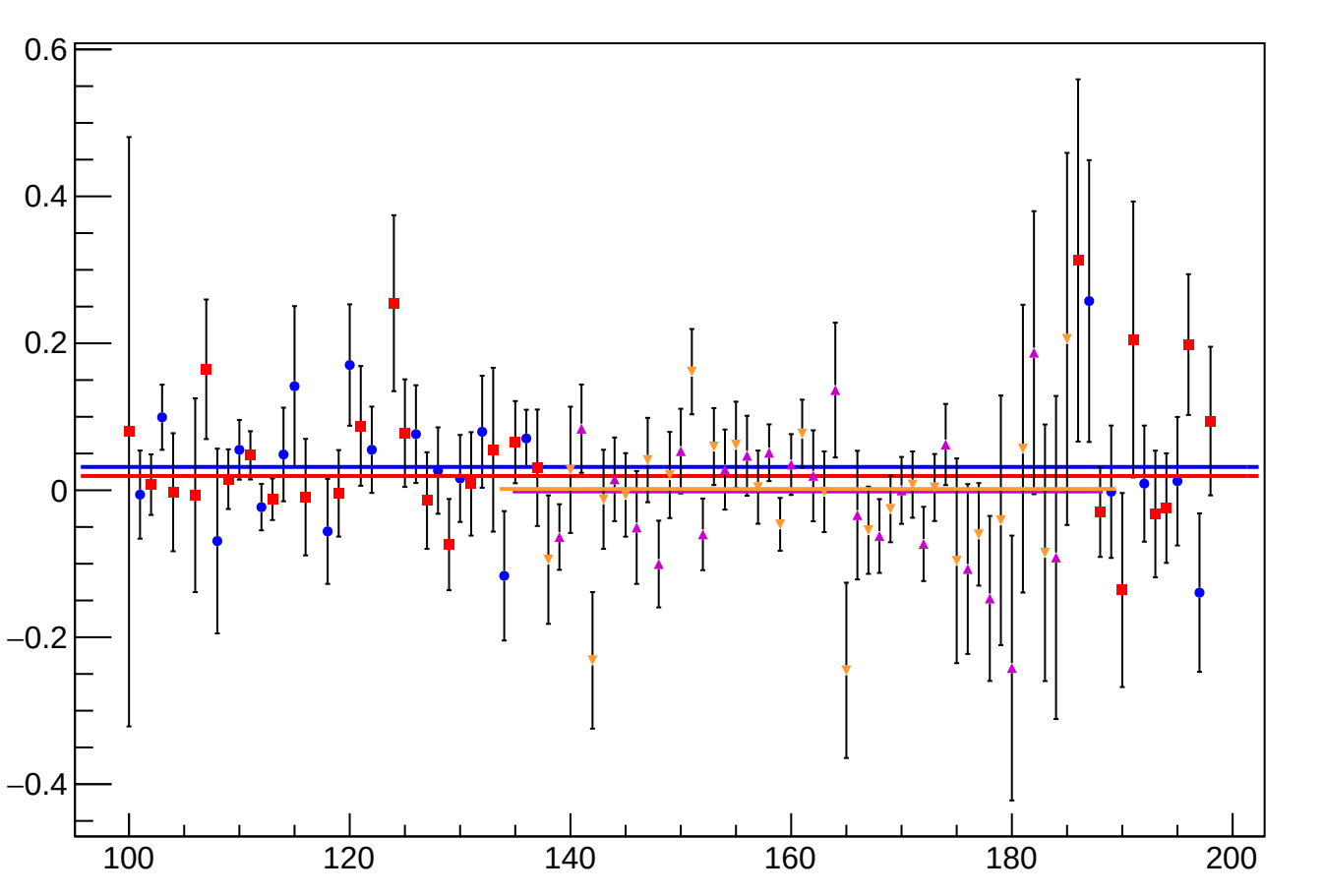
Right Out: 0.002+/-0.000 χ^2/NDF: 6244988.3/26

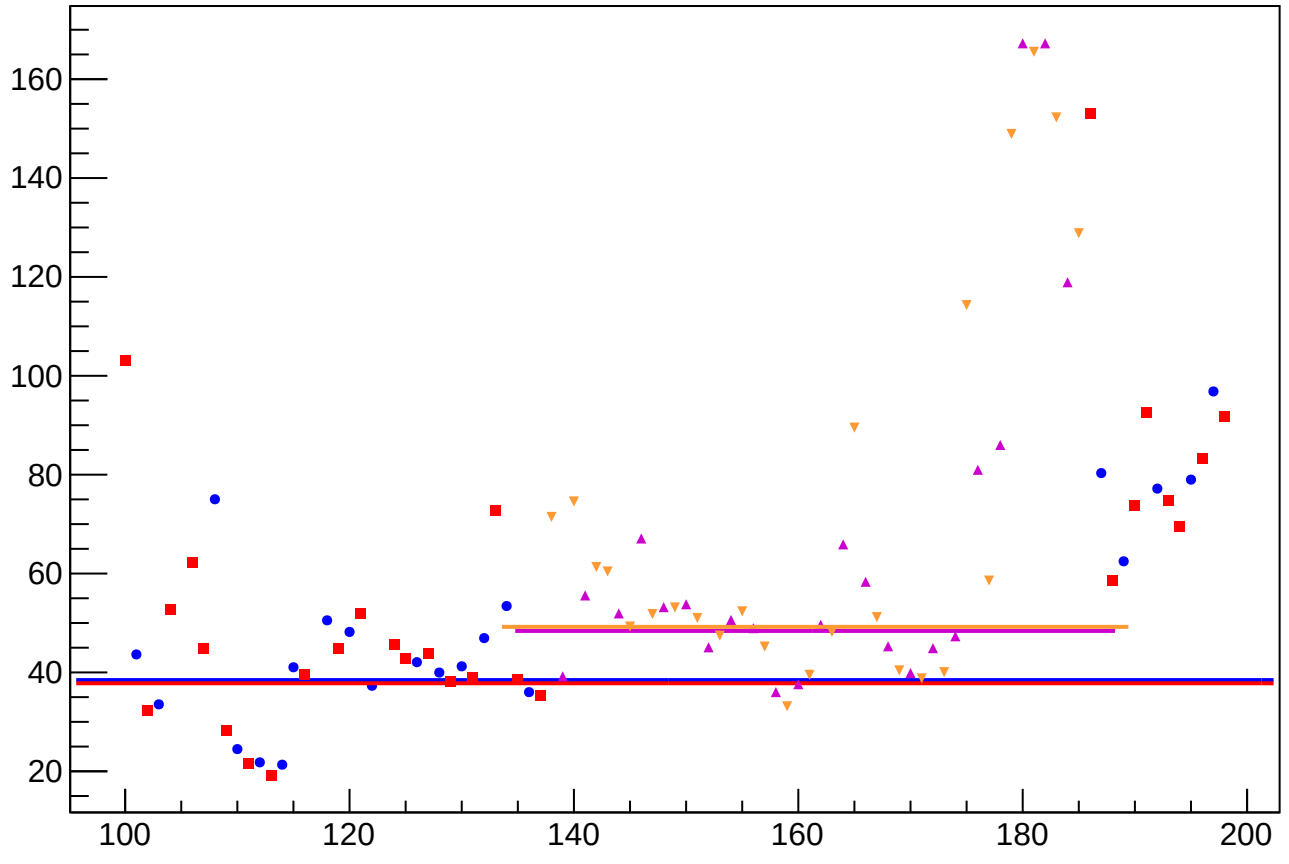
Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 6523835.9/45

All: 0.002+/-0.000 χ^2/NDF: 16802805.7/95

- sign 0.002+/-0.000 χ^2/NDF: 10229688.0/49


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.032+/-0.013 χ²/NDF: 21.2/20
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.019+/-0.012 χ²/NDF: 22.5/26
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.016+/-0.009 χ²/NDF: 54.4/45
All: 0.012+/-0.006 χ²/NDF: 104.7/95
- sign 0.009+/-0.009 χ²/NDF: 50.1/49



Right In: 38.448+/-0.009 χ^2/NDF: 3069563.2/20

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

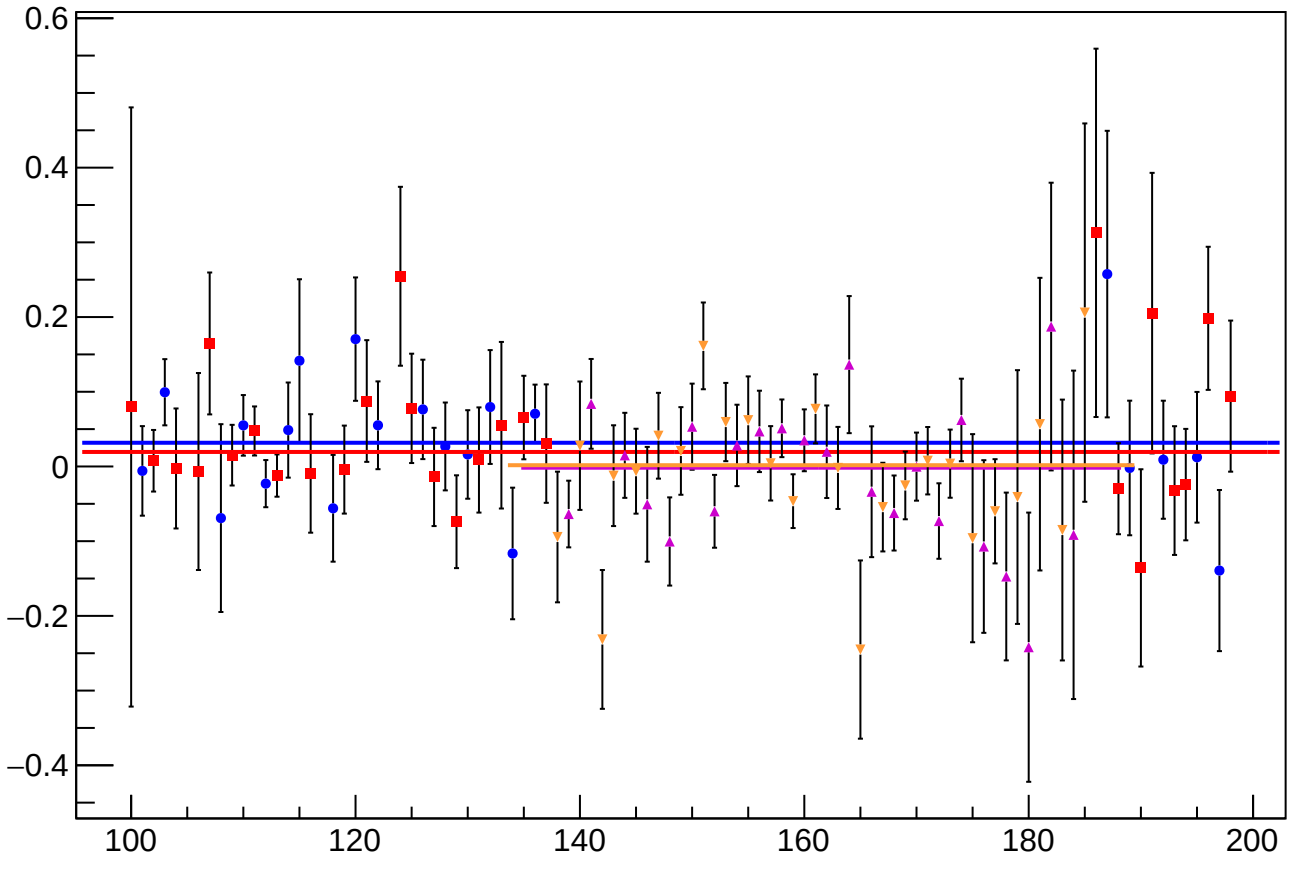
Right Out: 37.805+/-0.009 χ^2/NDF: 4767576.9/26

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.227+/-0.006 χ^2/NDF: 7951857.9/45

All: 43.609+/-0.004 χ^2/NDF: 16512548.5/95

- sign 43.033+/-0.006 χ^2/NDF: 8542497.7/49



Right In: 0.032+/-0.013 χ^2/NDF: 21.2/20

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

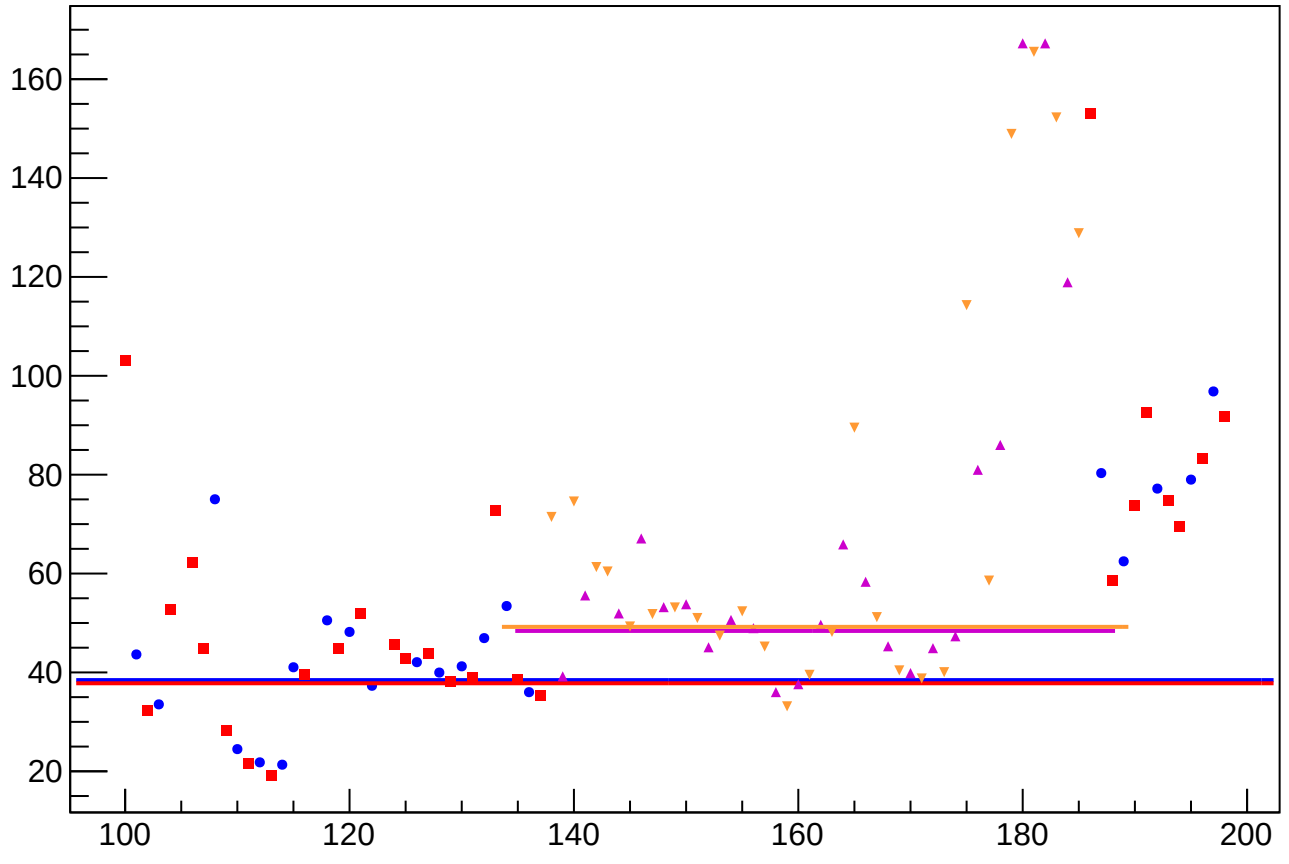
Right Out: 0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 54.4/45

All: 0.012+/-0.006 χ^2/NDF: 104.7/95

- sign 0.009+/-0.009 χ^2/NDF: 50.1/49



Right In: 38.448+/-0.009 χ^2/NDF: 3069563.2/20

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

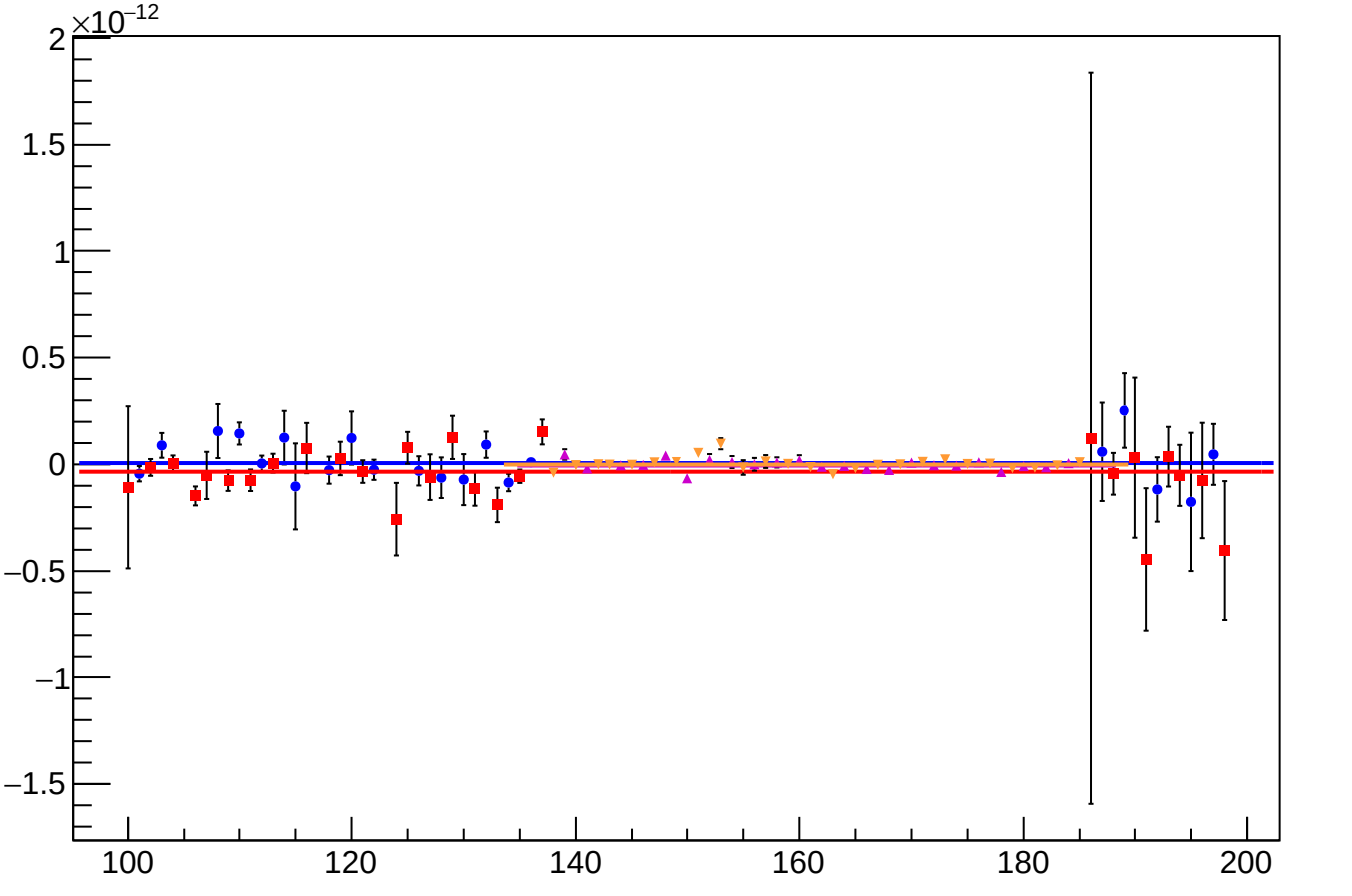
Right Out: 37.805+/-0.009 χ^2/NDF: 4767576.9/26

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.227+/-0.006 χ^2/NDF: 7951857.9/45

All: 43.609+/-0.004 χ^2/NDF: 16512548.5/95

- sign 43.033+/-0.006 χ^2/NDF: 8542497.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

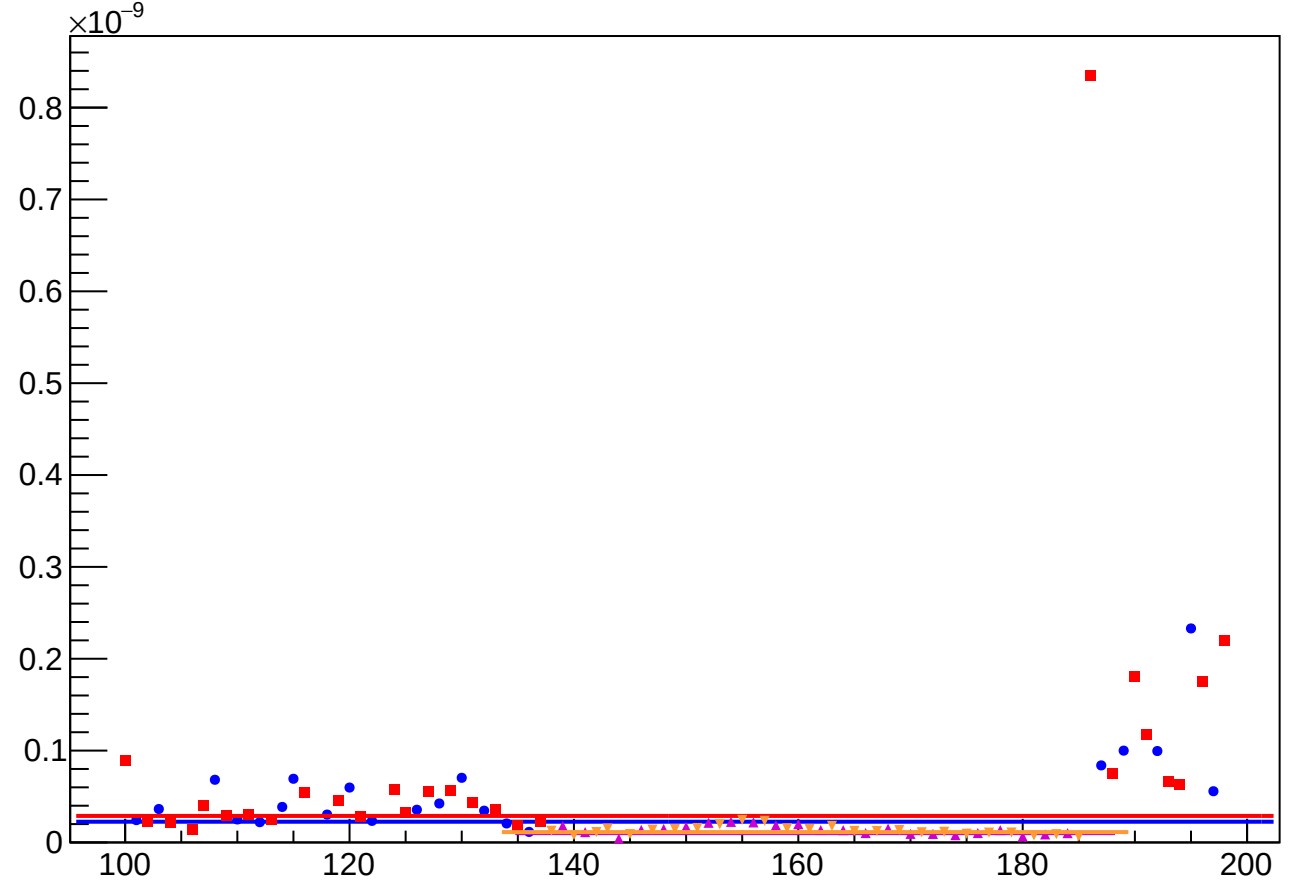
Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/26

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.0/45

All: -0.000+/-0.000 χ^2/NDF: 136.3/95

- sign -0.000+/-0.000 χ^2/NDF: 69.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 4120008.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4171572.3/26

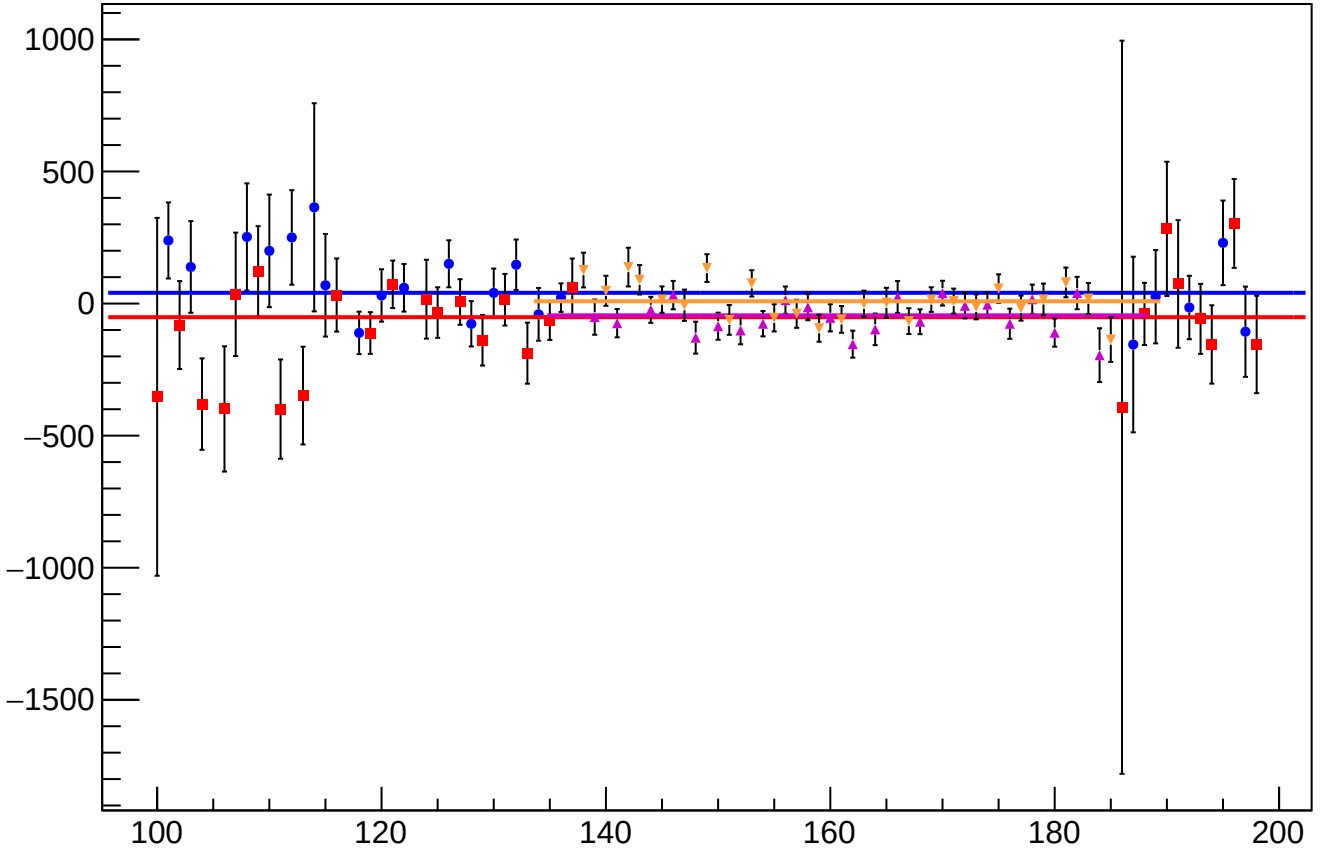
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8162646.8/45

All: 0.000+/-0.000 χ^2/NDF: 20497663.4/95

- sign 0.000+/-0.000 χ^2/NDF: 12246438.1/49

reg_asym_sam_1526_avg_mean vs Slug



Right In: 40.741+/-24.338 χ^2/NDF: 17.7/20

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -51.551+/-24.581 χ^2/NDF: 27.8/26

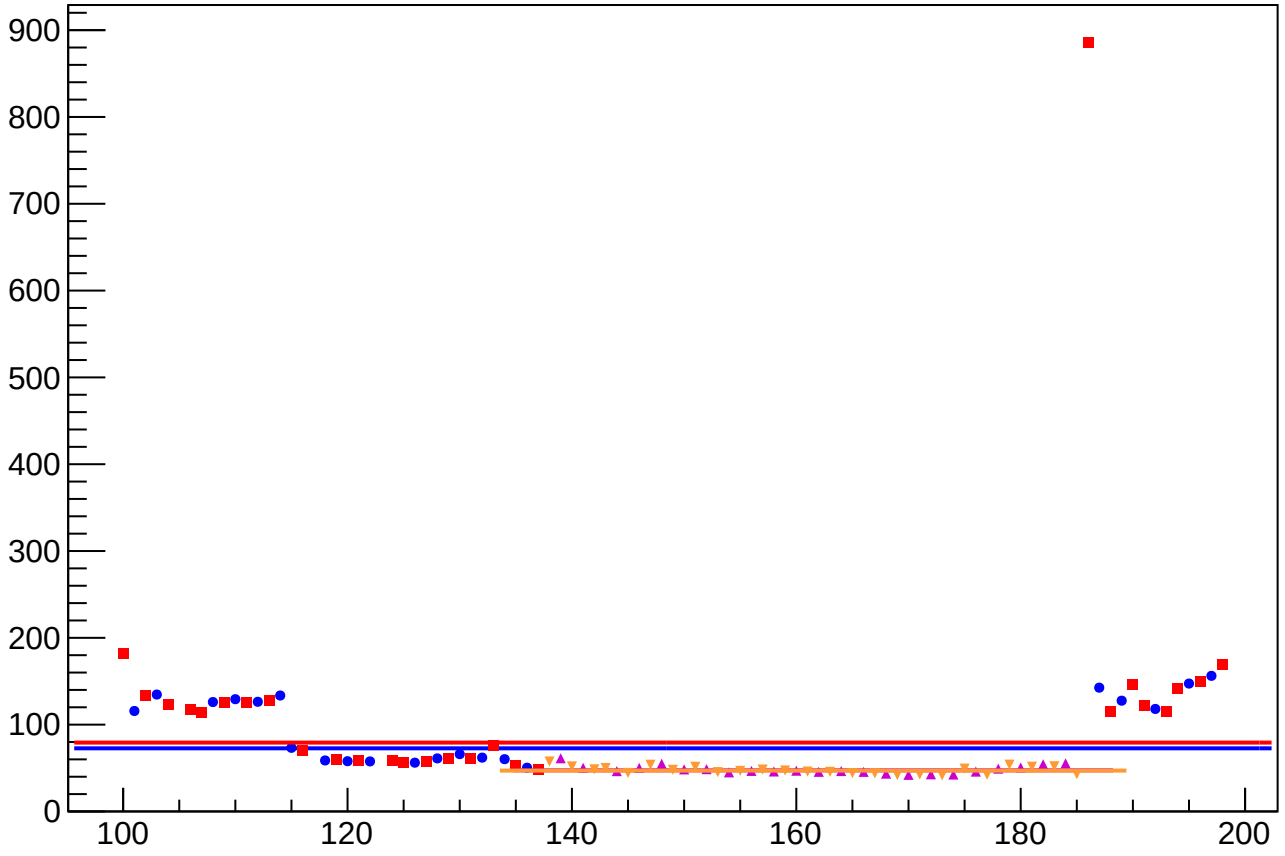
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.993+/-9.848 χ^2/NDF: 53.7/45

All: -14.962+/-7.069 χ^2/NDF: 126.5/95

- sign -45.737+/-10.153 χ^2/NDF: 54.9/49

reg_asym_sam_1526_avg_rms vs Slug



Right In: 72.725+/-0.017 χ^2/NDF: 3094173.9/20

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

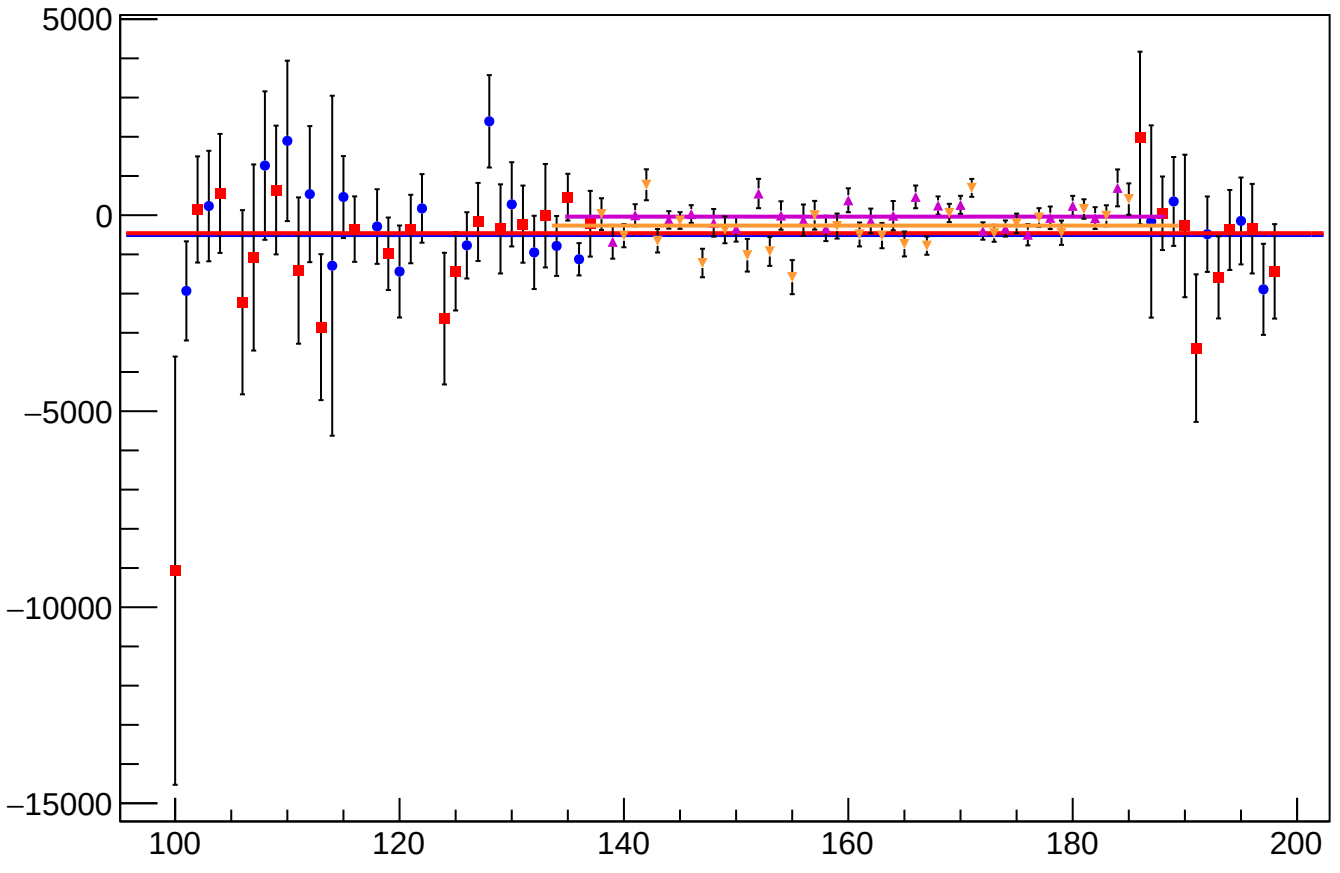
Right Out: 79.329+/-0.017 χ^2/NDF: 4338385.4/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 51.266+/-0.007 χ^2/NDF: 5241064.0/45

All: 52.026+/-0.005 χ^2/NDF: 12676786.1/95

- sign 52.834+/-0.007 χ^2/NDF: 7411146.7/49



Right In: -507.016+/-216.212 χ^2/NDF: 17.7/20

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -459.238+/-221.036 χ^2/NDF: 17.6/26

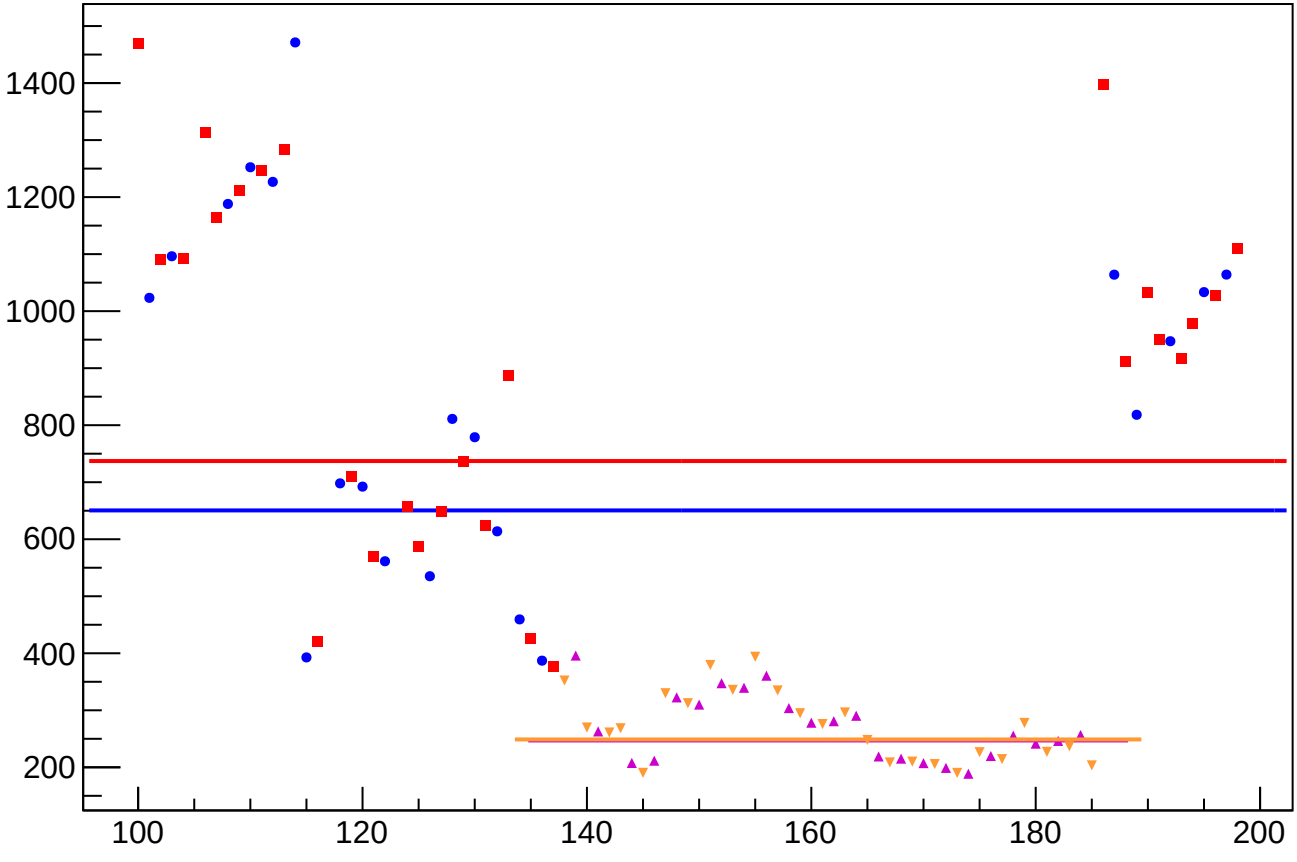
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -281.901+/-56.048 χ^2/NDF: 88.7/45

All: -175.911+/-40.015 χ^2/NDF: 143.6/95

- sign -65.719+/-57.148 χ^2/NDF: 47.6/49

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 650.538+/-0.153 χ^2/NDF: 2981673.6/20

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 737.129+/-0.156 χ^2/NDF: 3167816.5/26

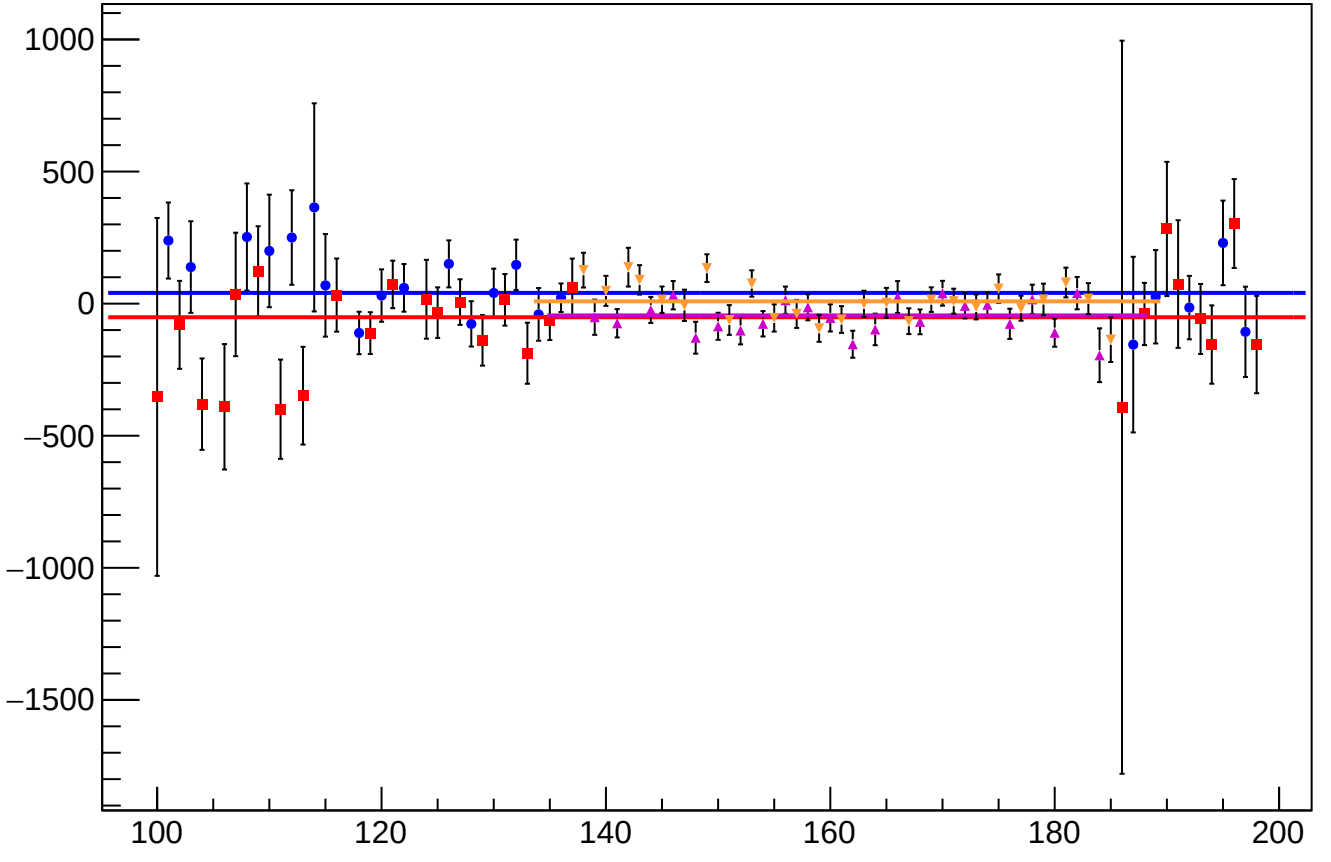
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 275.881+/-0.040 χ^2/NDF: 11083366.9/45

All: 277.834+/-0.028 χ^2/NDF: 24913049.0/95

- sign 279.865+/-0.040 χ^2/NDF: 13824726.5/49

cor_asym_sam_1526_avg_mean vs Slug



Right In: 40.734+/-24.338 χ^2/NDF: 17.7/20

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -51.424+/-24.581 χ^2/NDF: 27.7/26

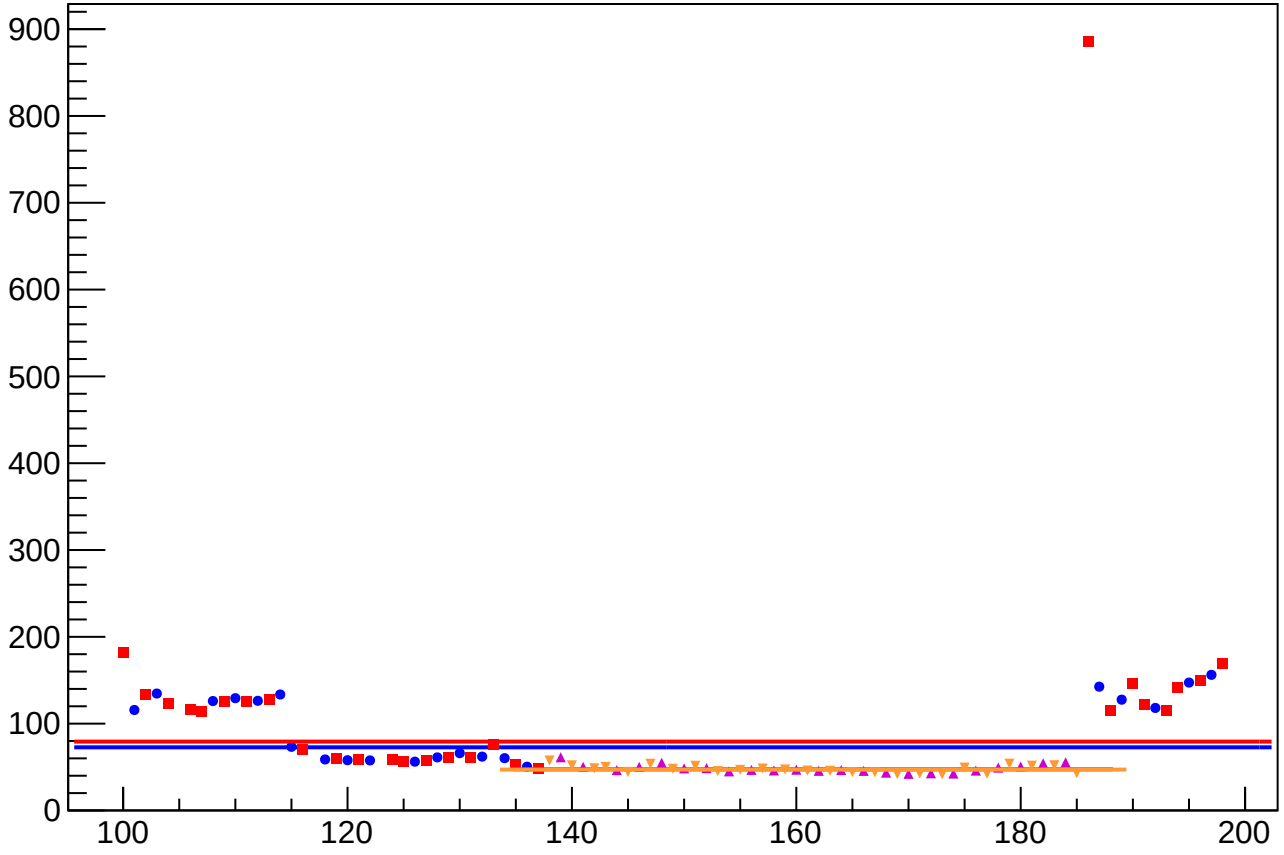
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.994+/-9.848 χ^2/NDF: 53.7/45

All: -14.951+/-7.069 χ^2/NDF: 126.3/95

- sign -45.715+/-10.153 χ^2/NDF: 54.8/49

cor_asym_sam_1526_avg_rms vs Slug



Right In: 72.725+/-0.017 χ^2/NDF: 3094176.2/20

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

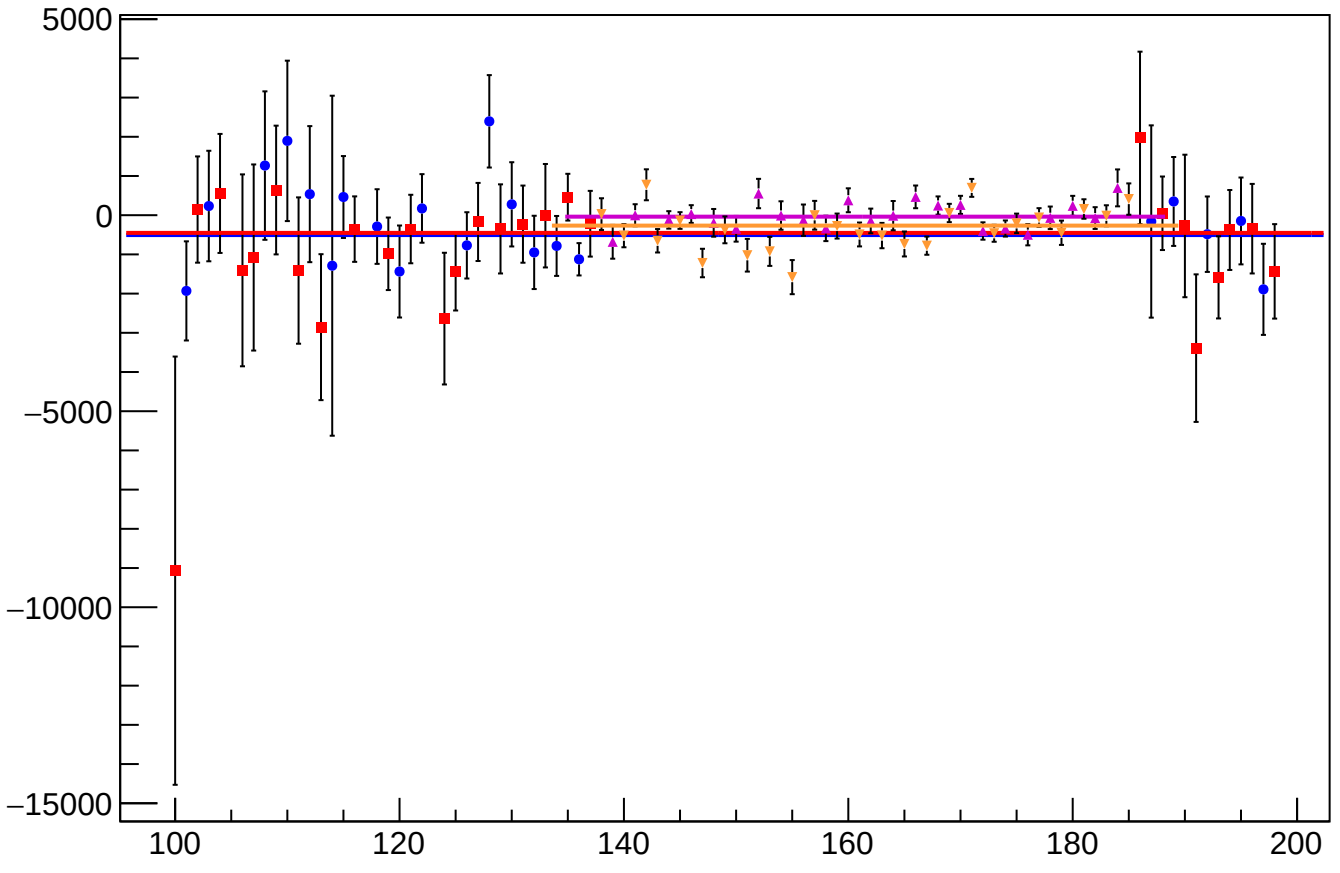
Right Out: 79.318+/-0.017 χ^2/NDF: 4335876.2/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 51.266+/-0.007 χ^2/NDF: 5241066.1/45

All: 52.025+/-0.005 χ^2/NDF: 12672076.3/95

- sign 52.832+/-0.007 χ^2/NDF: 7406503.4/49



Right In: -507.004+/-216.212 χ^2/NDF: 17.7/20

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -451.453+/-221.117 χ^2/NDF: 17.2/26

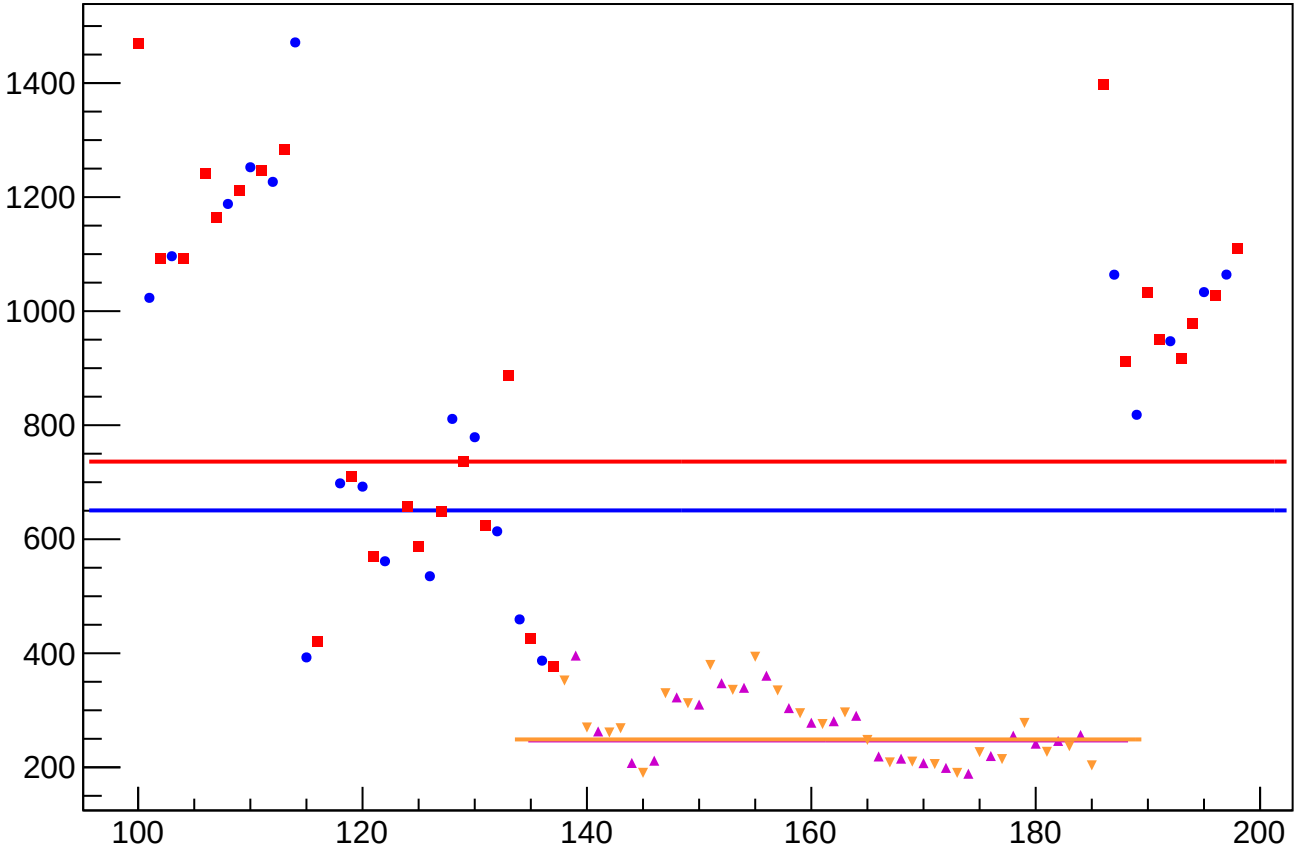
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -281.896+/-56.047 χ^2/NDF: 88.7/45

All: -175.646+/-40.015 χ^2/NDF: 143.1/95

- sign -65.177+/-57.149 χ^2/NDF: 47.1/49

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 650.538+/-0.153 χ^2/NDF: 2981711.8/20

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 736.148+/-0.156 χ^2/NDF: 3132796.2/26

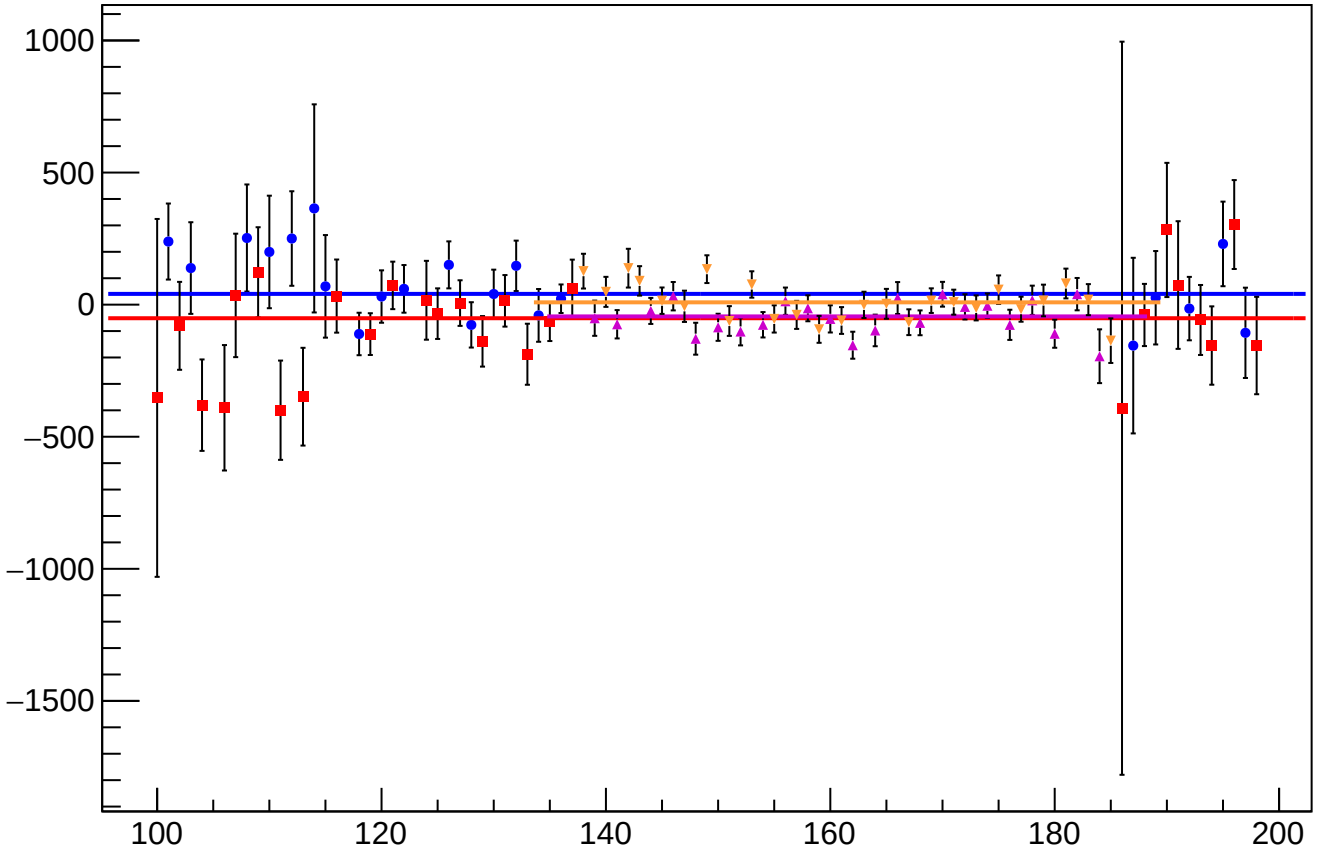
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 275.880+/-0.040 χ^2/NDF: 11083401.0/45

All: 277.791+/-0.028 χ^2/NDF: 24834901.7/95

- sign 279.777+/-0.040 χ^2/NDF: 13746760.6/49

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 40.734+/-24.338 χ^2/NDF: 17.7/20

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -51.424+/-24.581 χ^2/NDF: 27.7/26

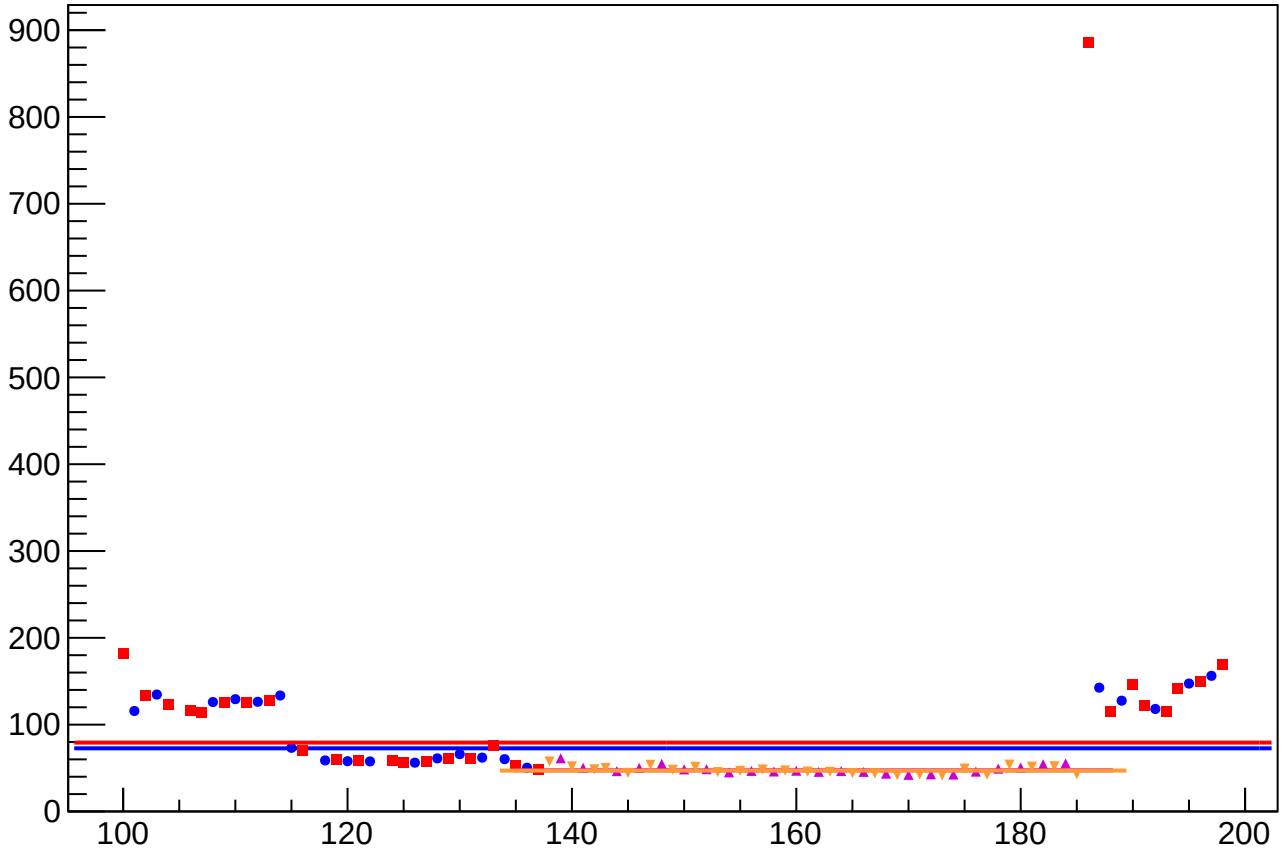
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.994+/-9.848 χ^2/NDF: 53.7/45

All: -14.951+/-7.069 χ^2/NDF: 126.3/95

- sign -45.715+/-10.153 χ^2/NDF: 54.8/49

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 72.725+/-0.017 χ^2/NDF: 3094176.2/20

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

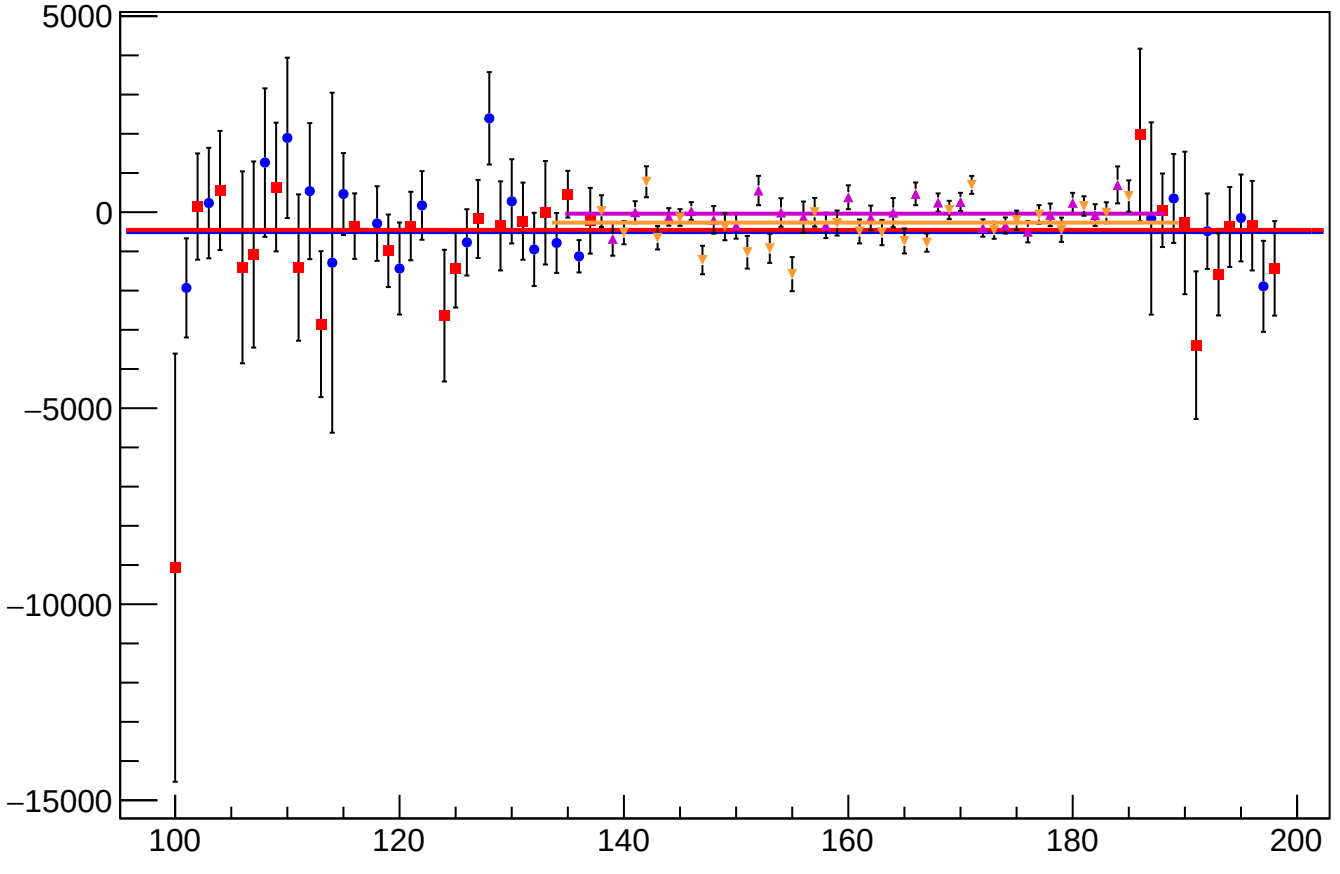
Right Out: 79.318+/-0.017 χ^2/NDF: 4335876.2/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 51.266+/-0.007 χ^2/NDF: 5241066.1/45

All: 52.025+/-0.005 χ^2/NDF: 12672076.3/95

- sign 52.832+/-0.007 χ^2/NDF: 7406503.4/49



Right In: -507.004+/-216.212 χ^2/NDF: 17.7/20

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

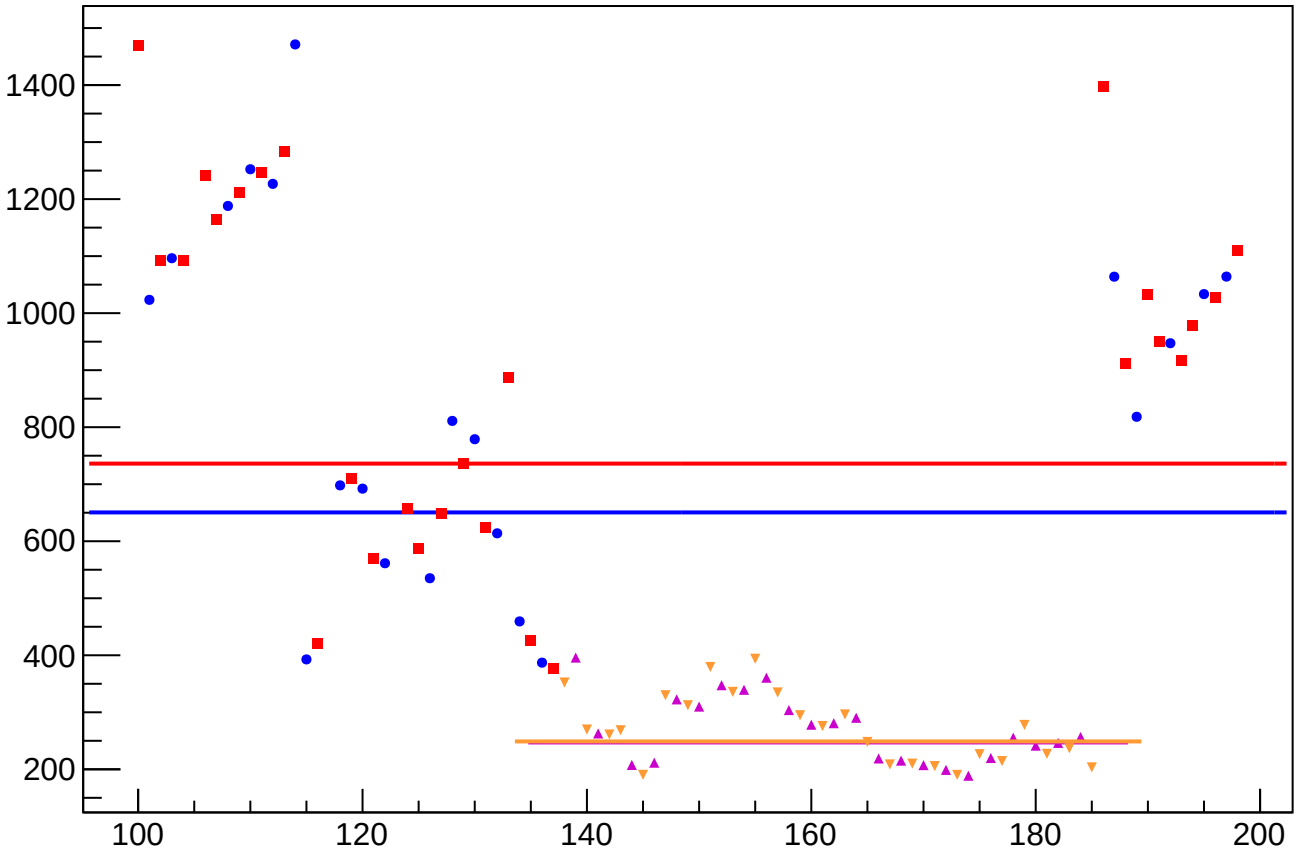
Right Out: -451.453+/-221.117 χ^2/NDF: 17.2/26

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -281.896+/-56.047 χ^2/NDF: 88.7/45

All: -175.646+/-40.015 χ^2/NDF: 143.1/95

- sign -65.177+/-57.149 χ^2/NDF: 47.1/49



Right In: 650.538+/-0.153 χ^2/NDF: 2981711.8/20

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 736.148+/-0.156 χ^2/NDF: 3132796.2/26

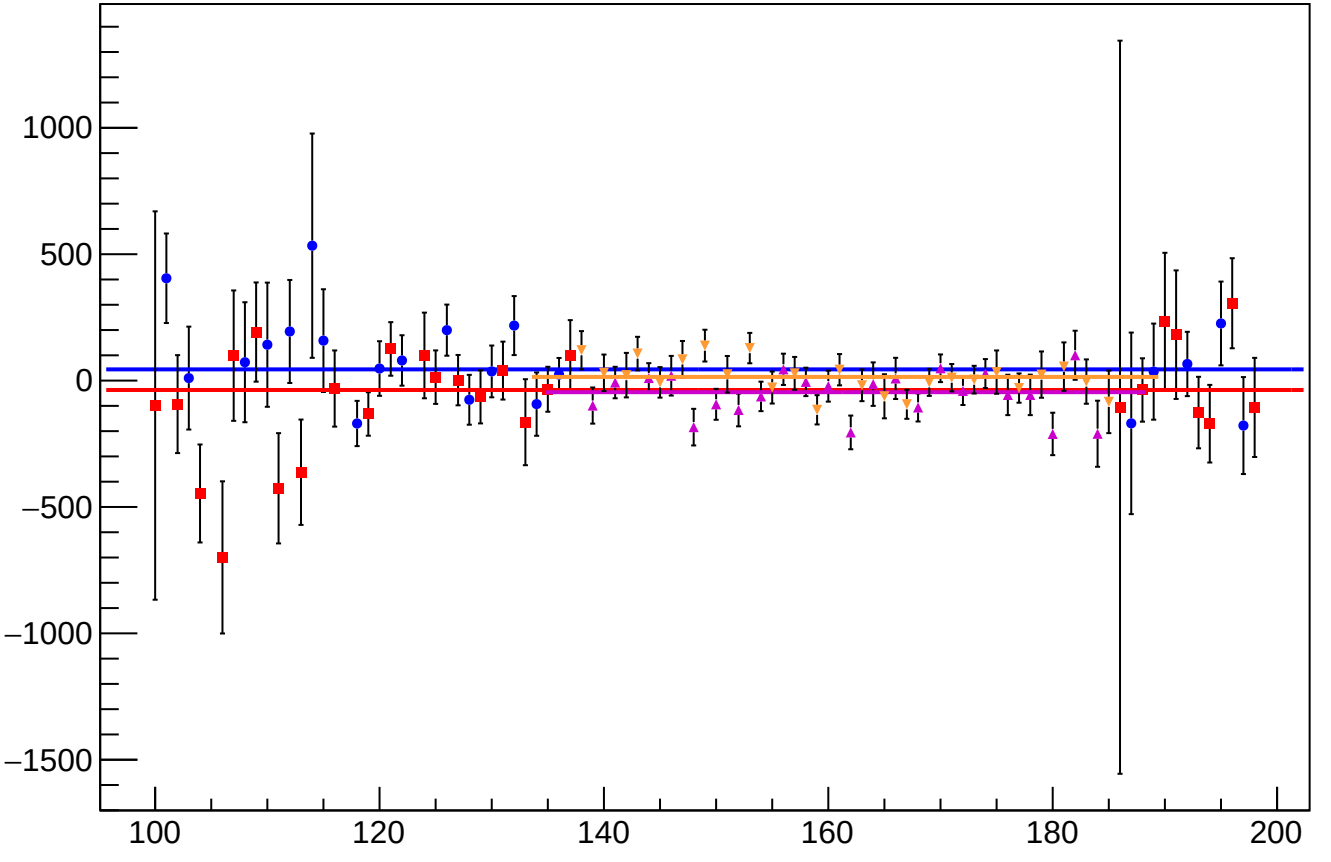
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 275.880+/-0.040 χ^2/NDF: 11083401.0/45

All: 277.791+/-0.028 χ^2/NDF: 24834901.7/95

- sign 279.777+/-0.040 χ^2/NDF: 13746760.6/49

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.381+/-27.965 χ^2/NDF: 22.5/20

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -37.145+/-28.093 χ^2/NDF: 30.0/26

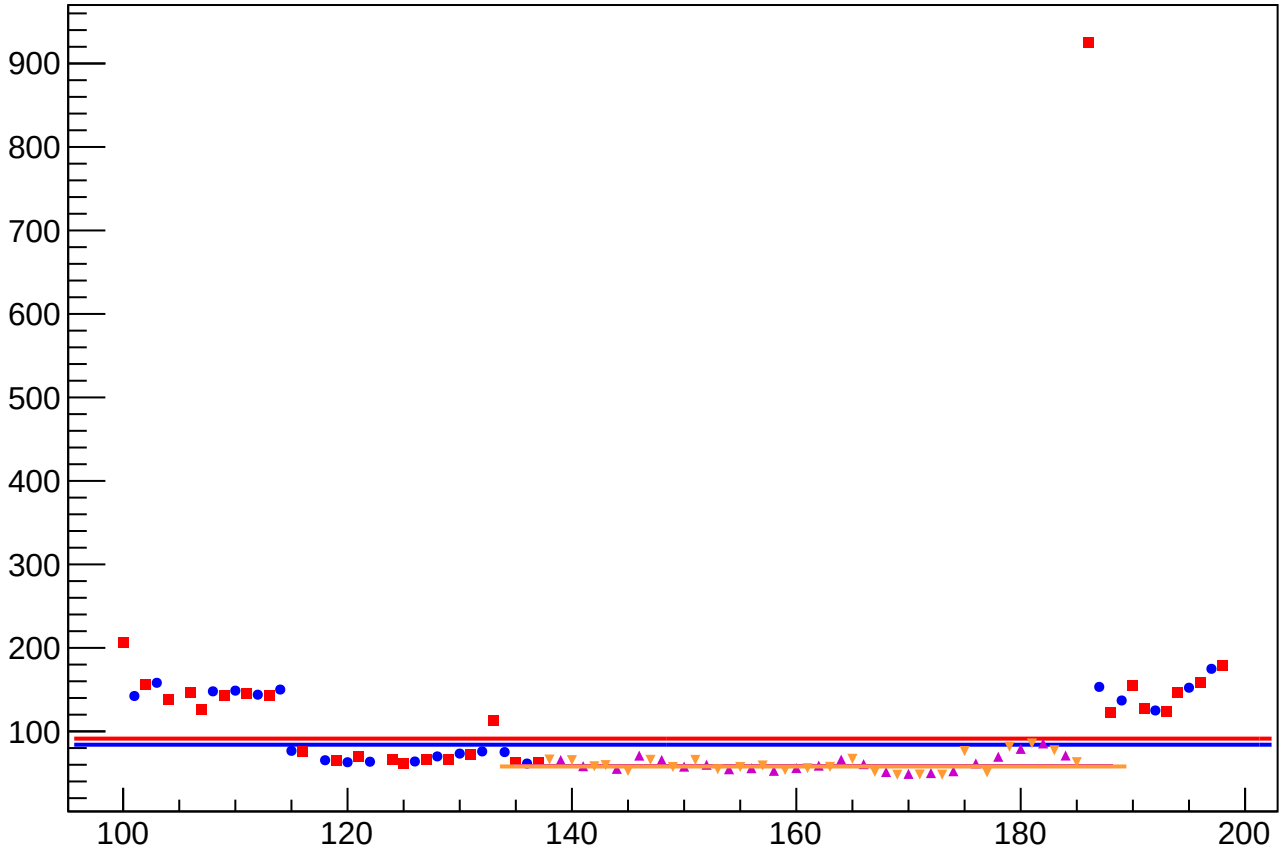
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 20.115+/-12.124 χ^2/NDF: 48.0/45

All: -11.060+/-8.696 χ^2/NDF: 122.5/95

- sign -44.097+/-12.481 χ^2/NDF: 60.8/49

dit_asym_sam_1526_avg_rms vs Slug



Right In: 84.034+/-0.020 χ^2/NDF: 2852072.7/20

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

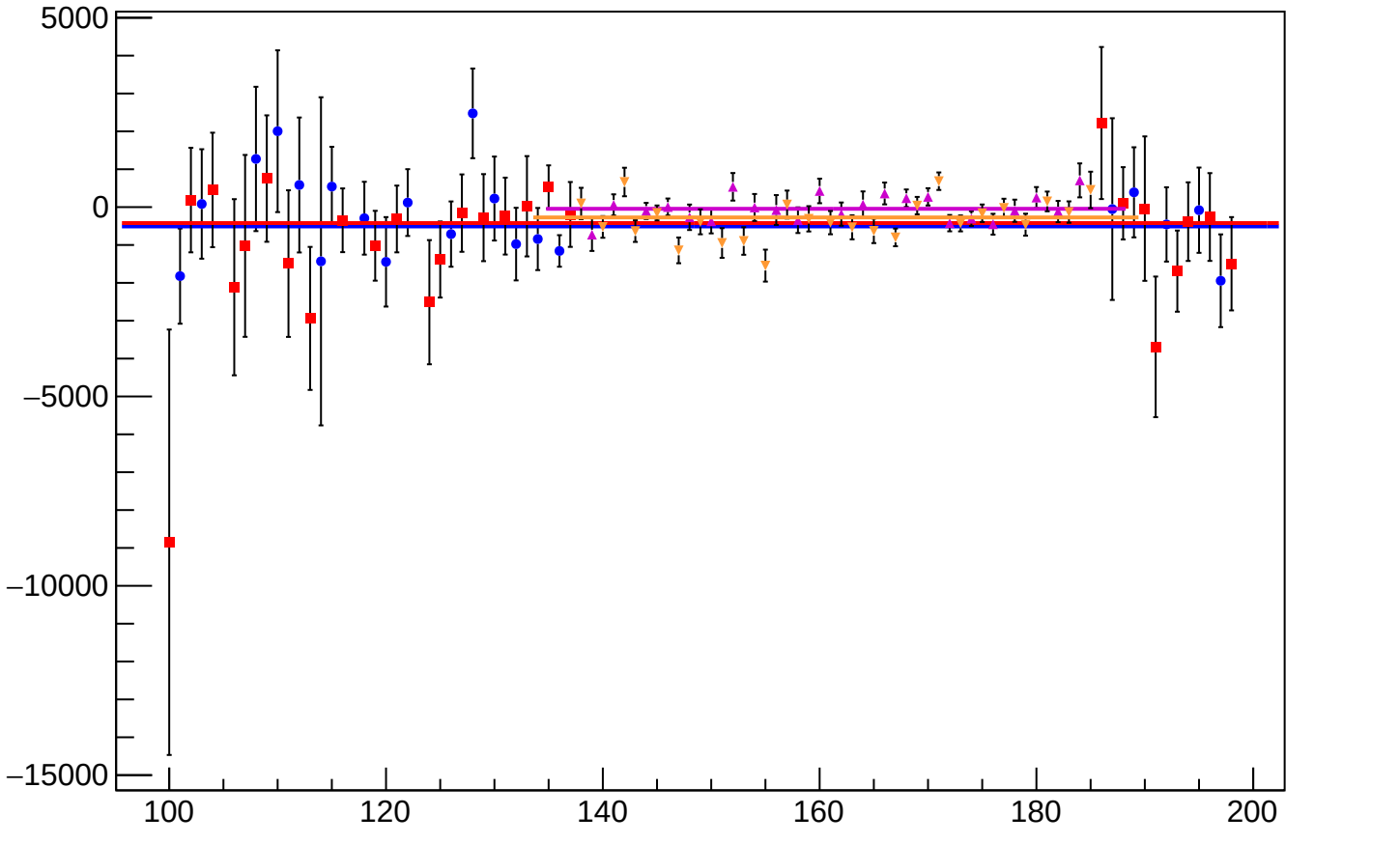
Right Out: 91.313+/-0.020 χ^2/NDF: 3952881.6/26

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 62.865+/-0.009 χ^2/NDF: 5160358.0/45

All: 63.882+/-0.006 χ^2/NDF: 11984994.3/95

- sign 64.960+/-0.009 χ^2/NDF: 6795655.3/49



Right In: -510.318+/-220.611 χ^2/NDF: 17.9/20

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -420.755+/-221.953 χ^2/NDF: 19.4/26

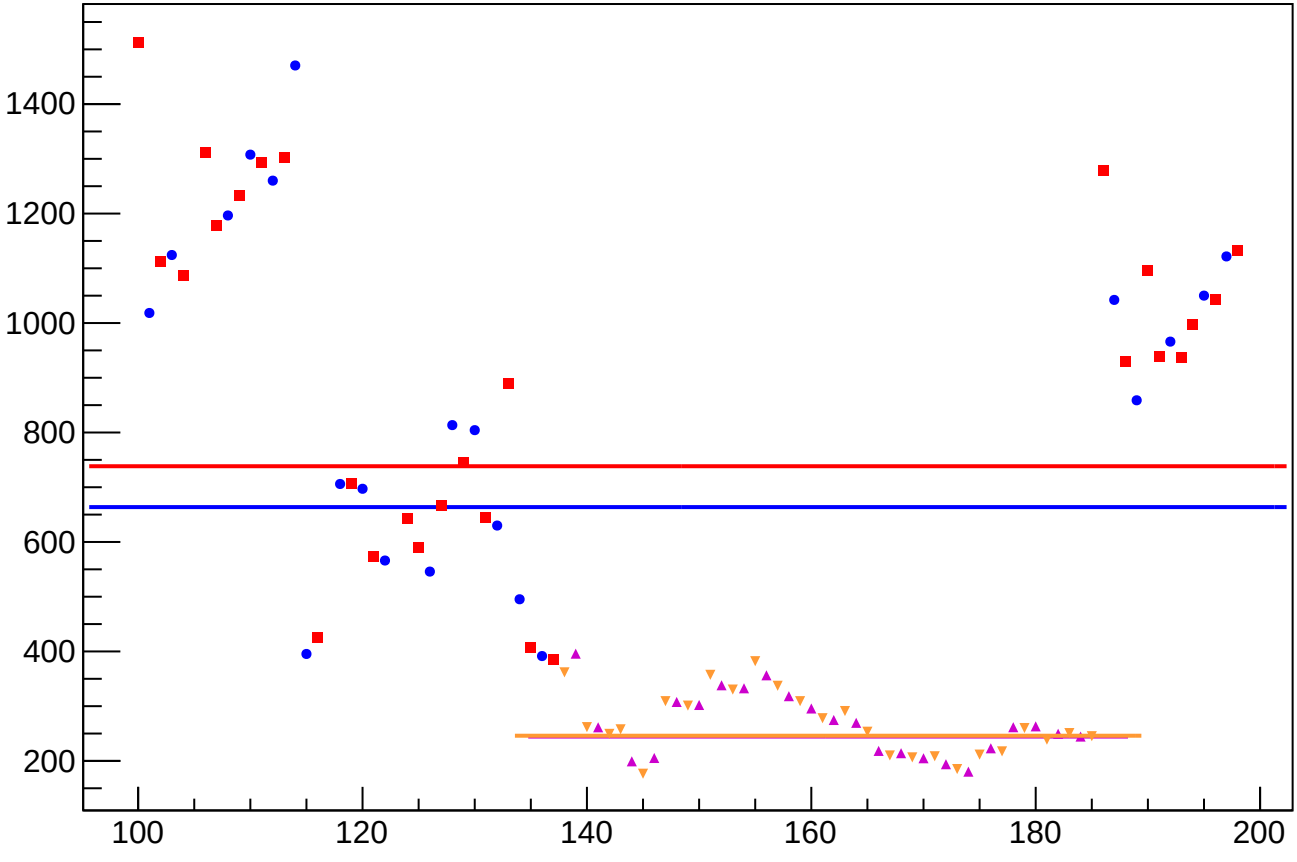
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -287.530+/-55.436 χ^2/NDF: 84.8/45

All: -180.711+/-39.629 χ^2/NDF: 140.9/95

- sign -69.079+/-56.671 χ^2/NDF: 48.6/49

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 663.720+/-0.156 χ^2/NDF: 3004622.4/20

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 738.384+/-0.157 χ^2/NDF: 3317886.6/26

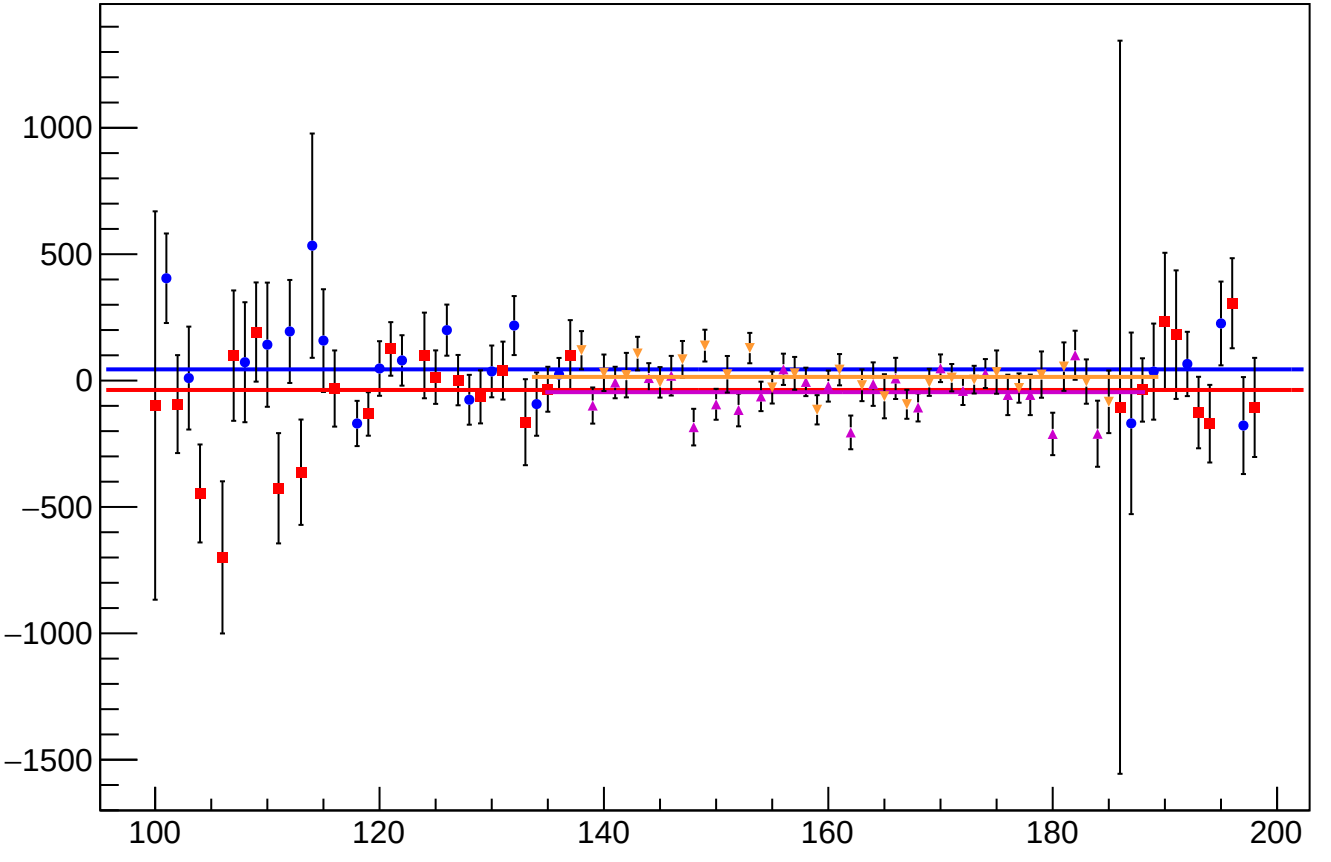
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 272.392+/-0.039 χ^2/NDF: 11402354.2/45

All: 274.475+/-0.028 χ^2/NDF: 25582083.3/95

- sign 276.651+/-0.040 χ^2/NDF: 14173956.4/49

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.382+/-27.965 χ^2/NDF: 22.5/20

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -37.145+/-28.093 χ^2/NDF: 30.0/26

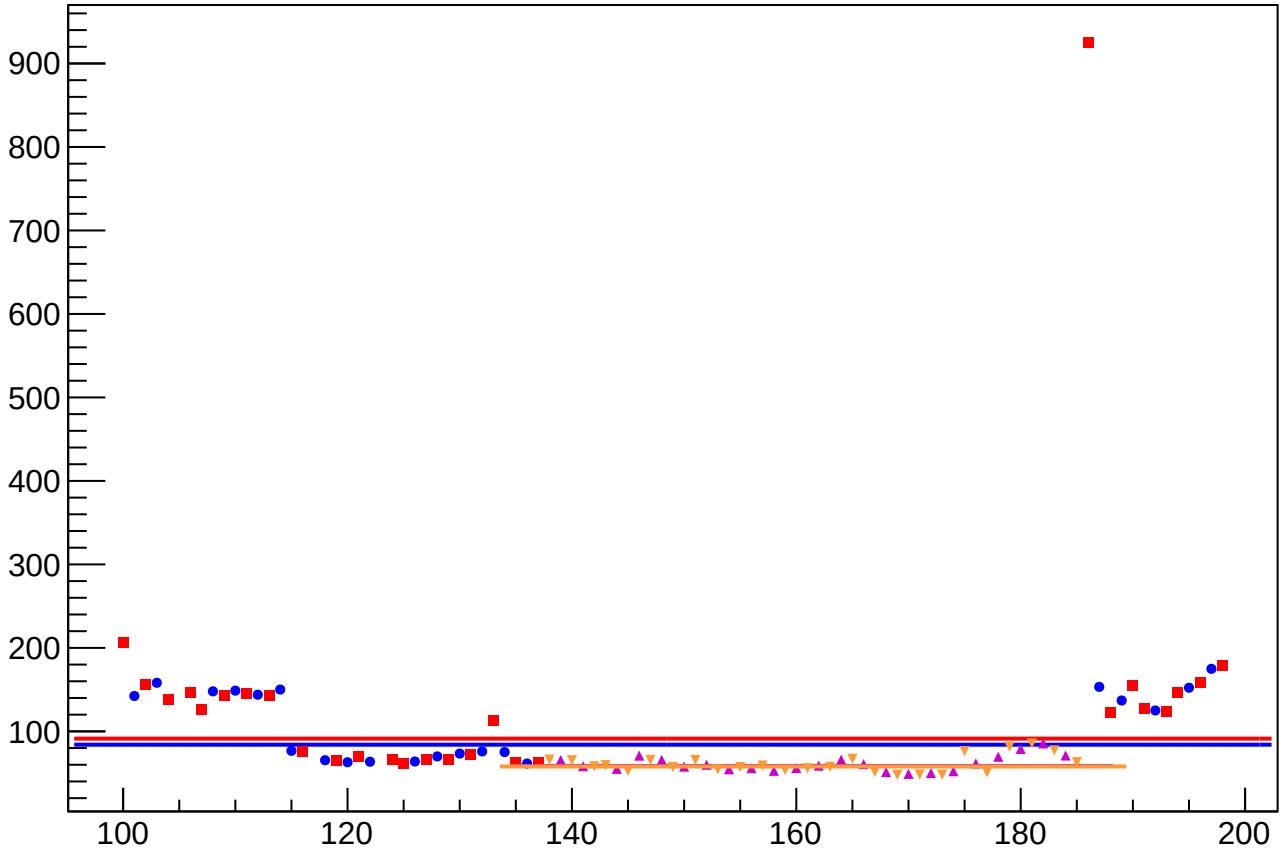
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 20.115+/-12.124 χ^2/NDF: 48.0/45

All: -11.060+/-8.696 χ^2/NDF: 122.5/95

- sign -44.096+/-12.481 χ^2/NDF: 60.8/49

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 84.034+/-0.020 χ^2/NDF: 2852068.1/20

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

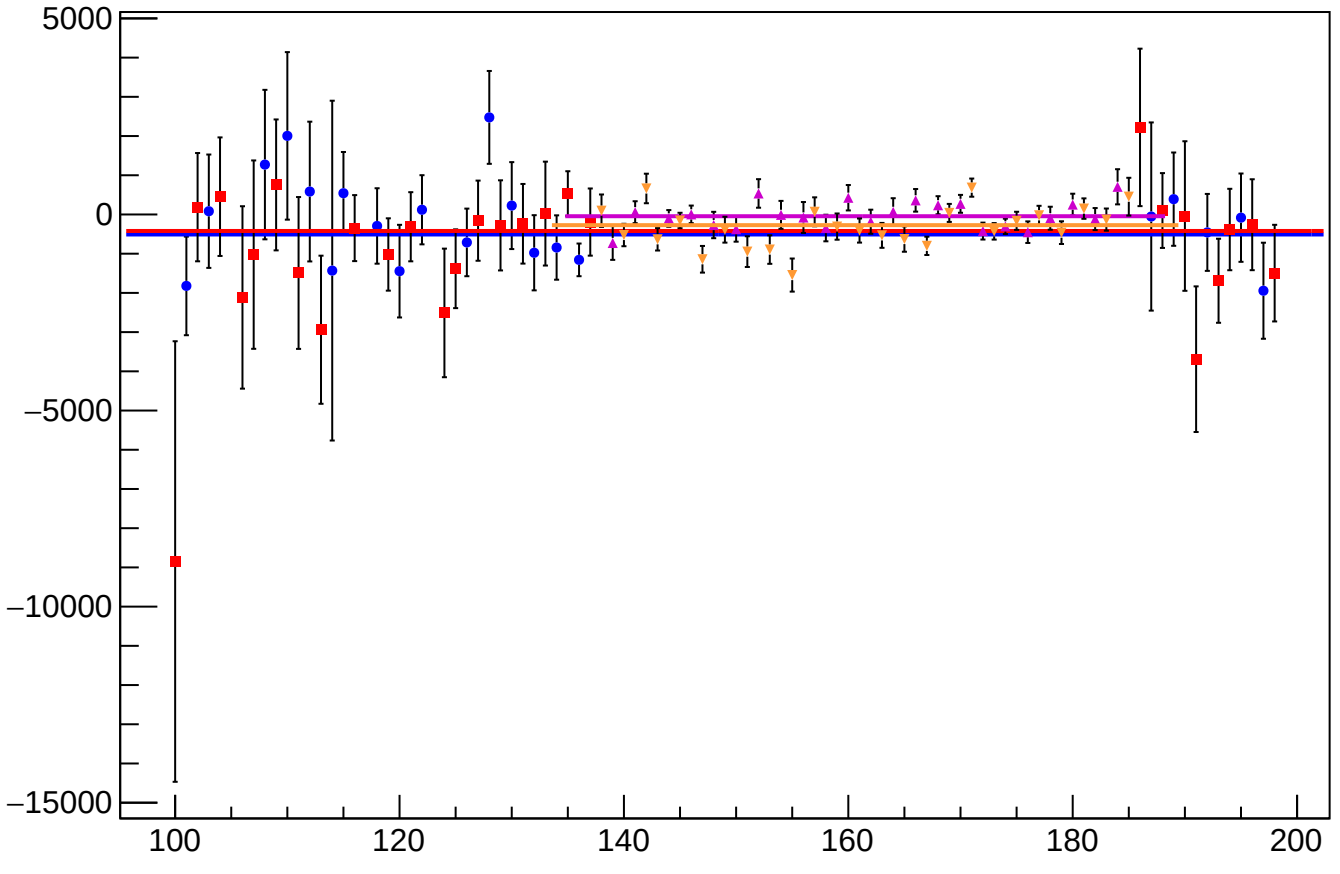
Right Out: 91.313+/-0.020 χ^2/NDF: 3952887.4/26

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 62.865+/-0.009 χ^2/NDF: 5160320.6/45

All: 63.882+/-0.006 χ^2/NDF: 11984901.3/95

- sign 64.960+/-0.009 χ^2/NDF: 6795597.8/49



Right In: -510.316+/-220.611 χ^2/NDF: 17.9/20

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

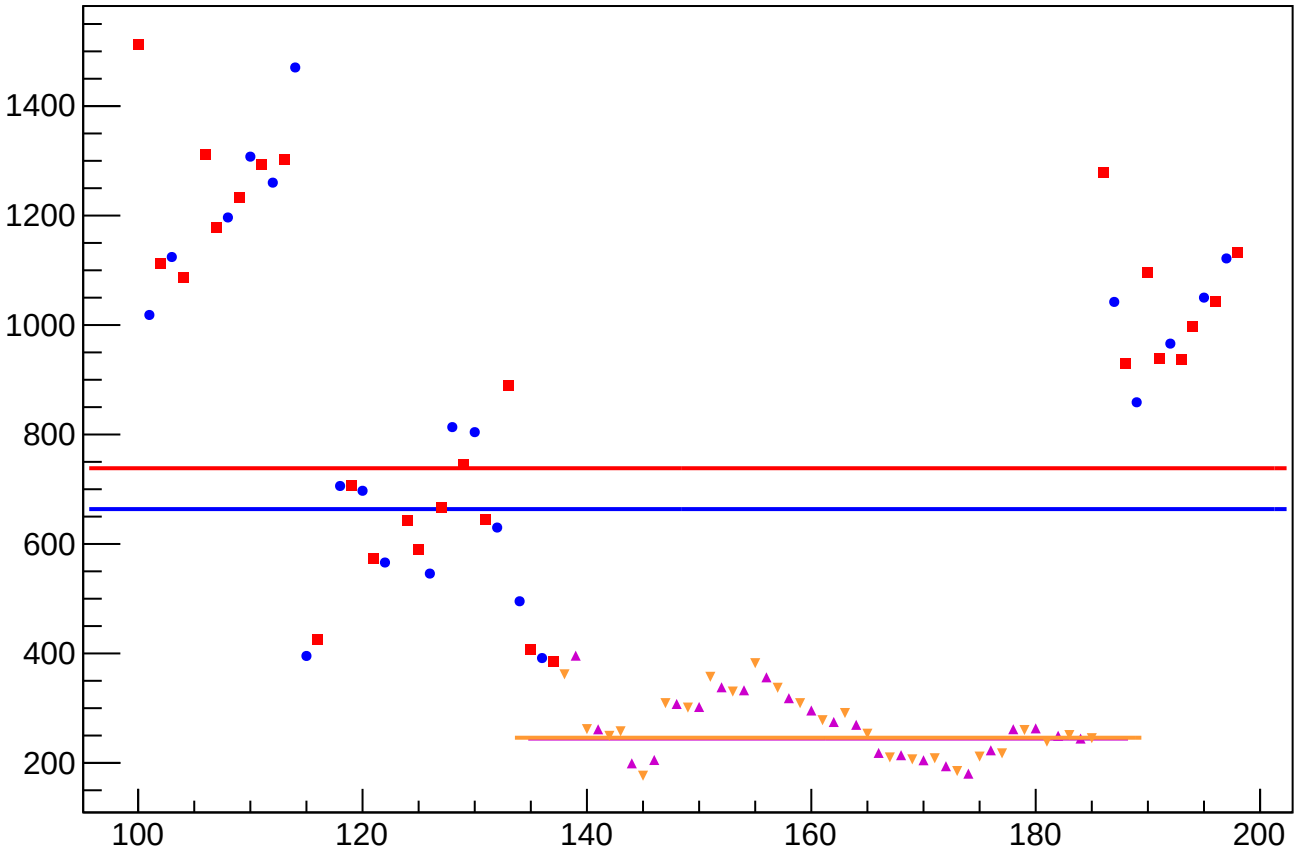
Right Out: -420.756+/-221.953 χ^2/NDF: 19.4/26

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -287.528+/-55.436 χ^2/NDF: 84.8/45

All: -180.710+/-39.629 χ^2/NDF: 140.9/95

- sign -69.078+/-56.671 χ^2/NDF: 48.6/49



Right In: 663.720+/-0.156 χ^2/NDF: 3004605.9/20

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 738.383+/-0.157 χ^2/NDF: 3317869.8/26

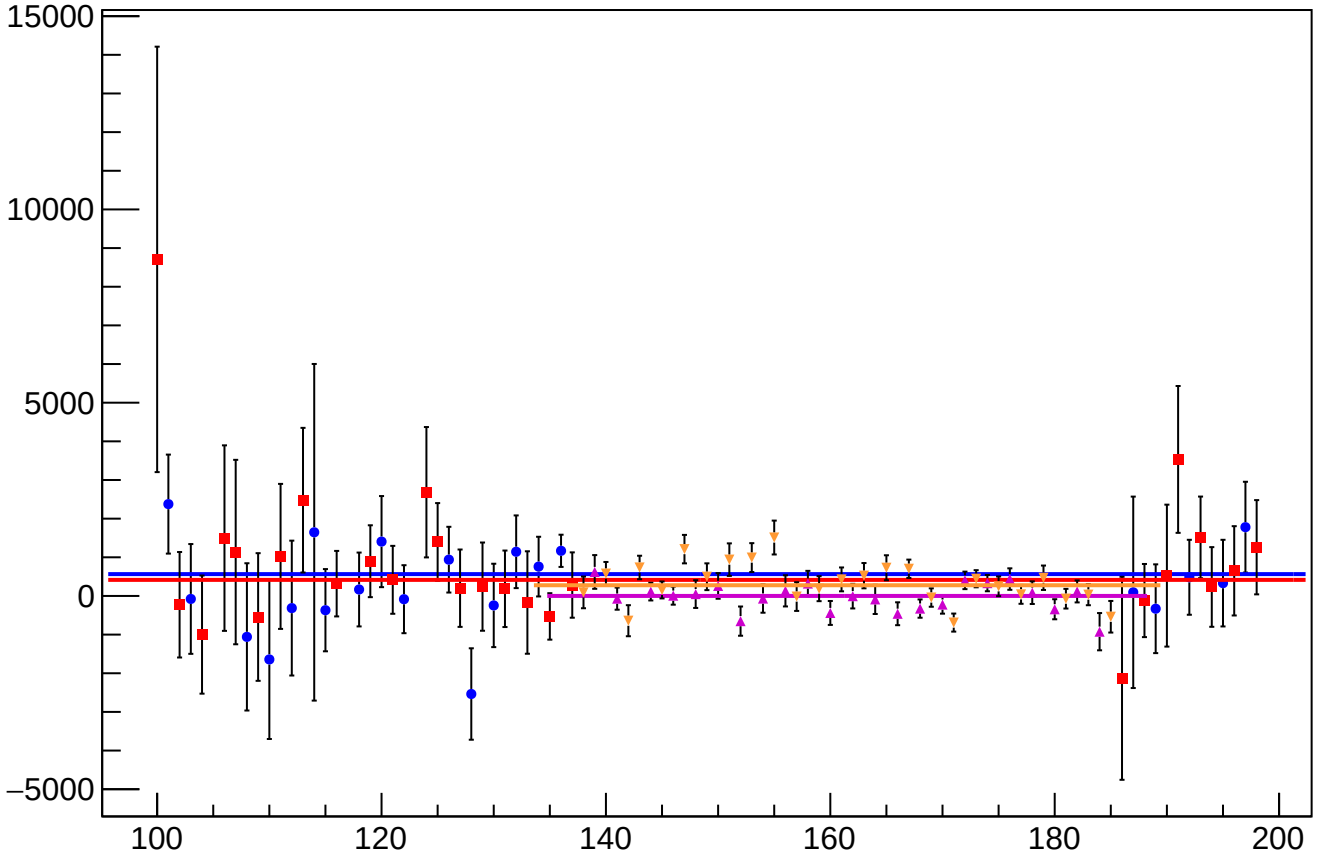
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 272.392+/-0.039 χ^2/NDF: 11402351.6/45

All: 274.475+/-0.028 χ^2/NDF: 25582063.2/95

- sign 276.651+/-0.040 χ^2/NDF: 14173938.3/49

asym_sam_1526_avg_mean vs Slug



Right In: 564.915+/-218.094 χ^2/NDF: 18.3/20

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 415.882+/-223.099 χ^2/NDF: 16.8/26

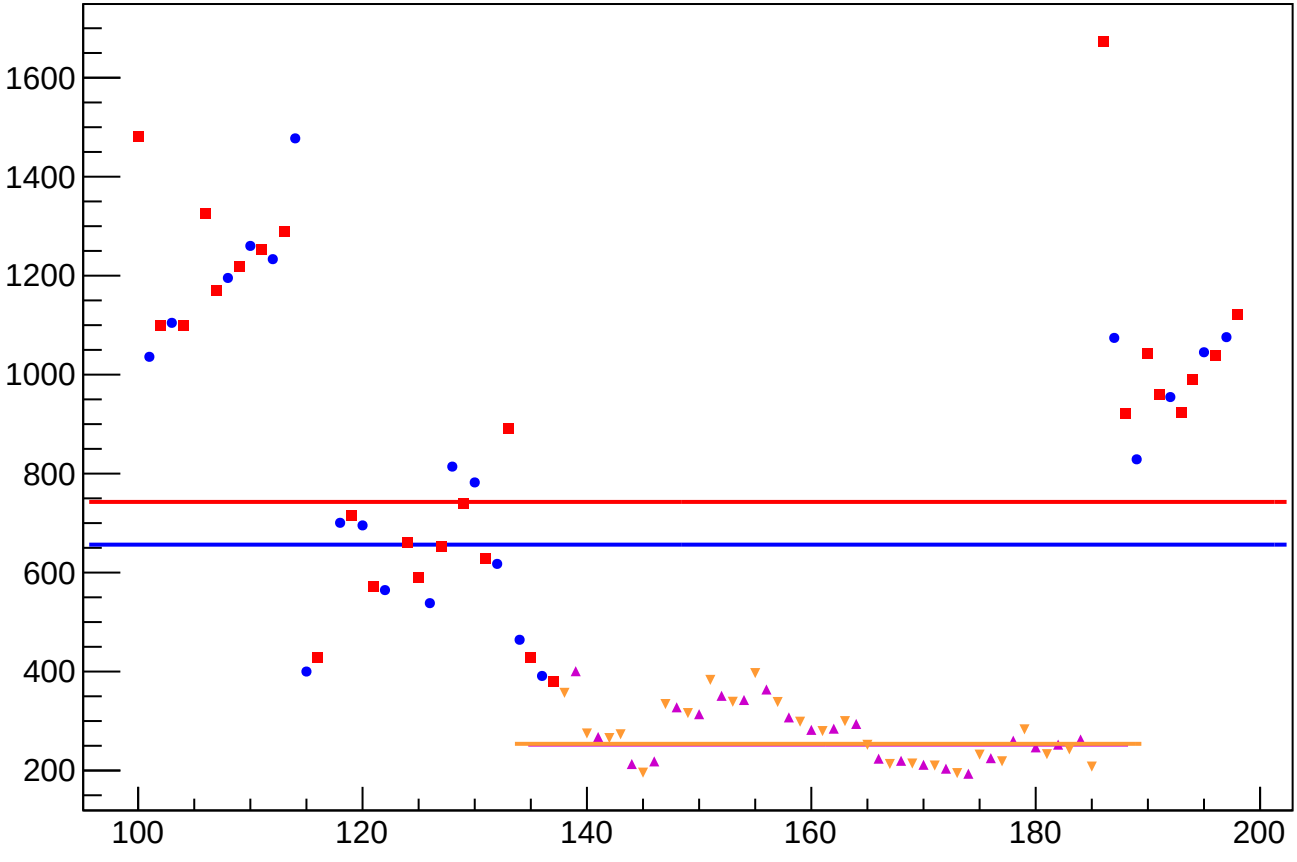
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 296.798+/-57.086 χ^2/NDF: 84.0/45

All: 165.569+/-40.775 χ^2/NDF: 142.9/95

- sign 28.880+/-58.262 χ^2/NDF: 48.1/49

asym_sam_1526_avg_rms vs Slug



Right In: 656.451+/-0.154 χ^2/NDF: 2968131.9/20

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

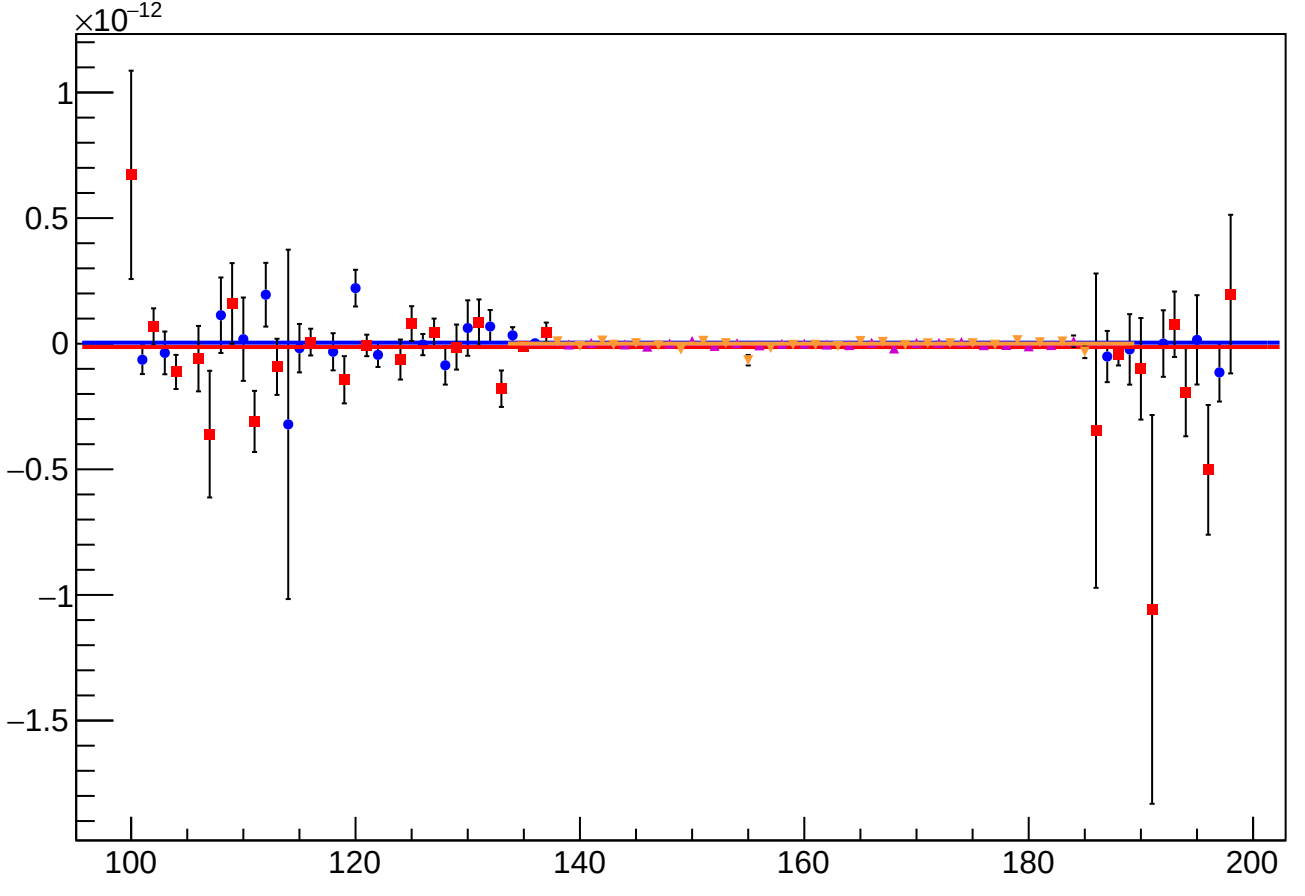
Right Out: 742.796+/-0.158 χ^2/NDF: 3234407.5/26

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 281.530+/-0.040 χ^2/NDF: 10904119.7/45

All: 283.638+/-0.029 χ^2/NDF: 24560964.1/95

- sign 285.835+/-0.041 χ^2/NDF: 13651274.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

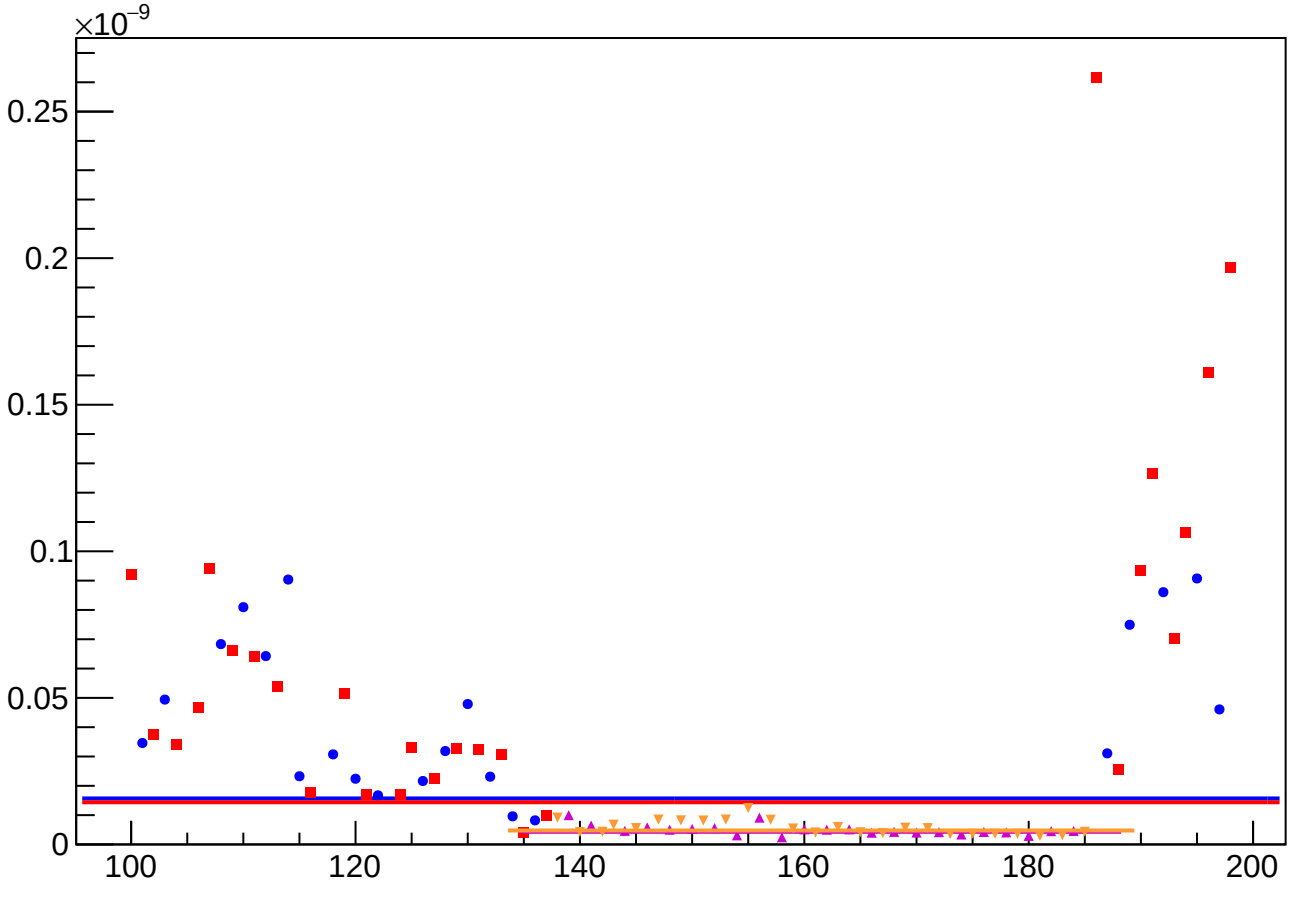
Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/26

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.7/45

All: -0.000+/-0.000 χ^2/NDF: 100.7/95

- sign -0.000+/-0.000 χ^2/NDF: 53.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 3991960.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

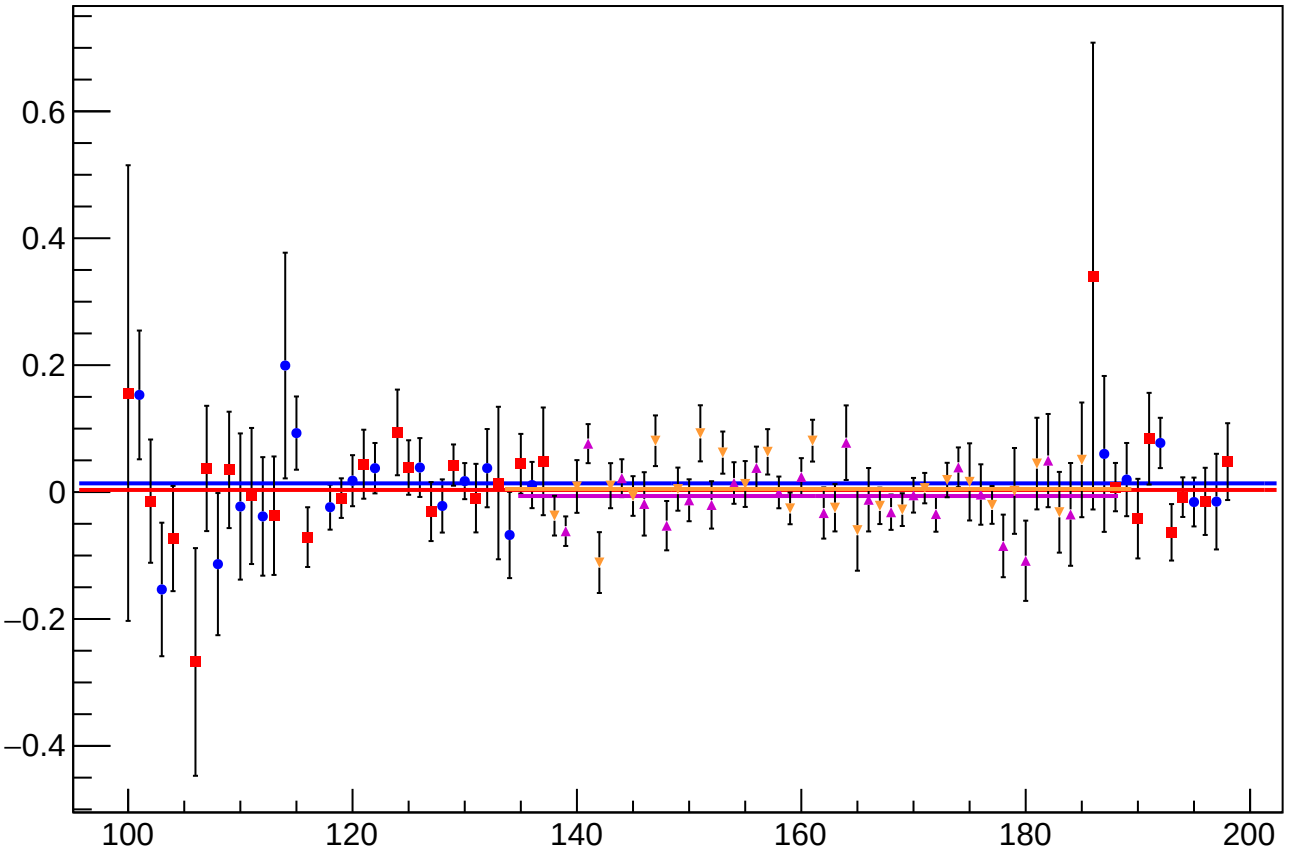
Right Out: 0.000+/-0.000 χ^2/NDF: 6561012.9/26

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7765045.9/45

All: 0.000+/-0.000 χ^2/NDF: 17267421.1/95

- sign 0.000+/-0.000 χ^2/NDF: 9436660.9/49



Right In: 0.014+/-0.011 χ^2/NDF: 16.7/20

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.003+/-0.011 χ^2/NDF: 18.3/26

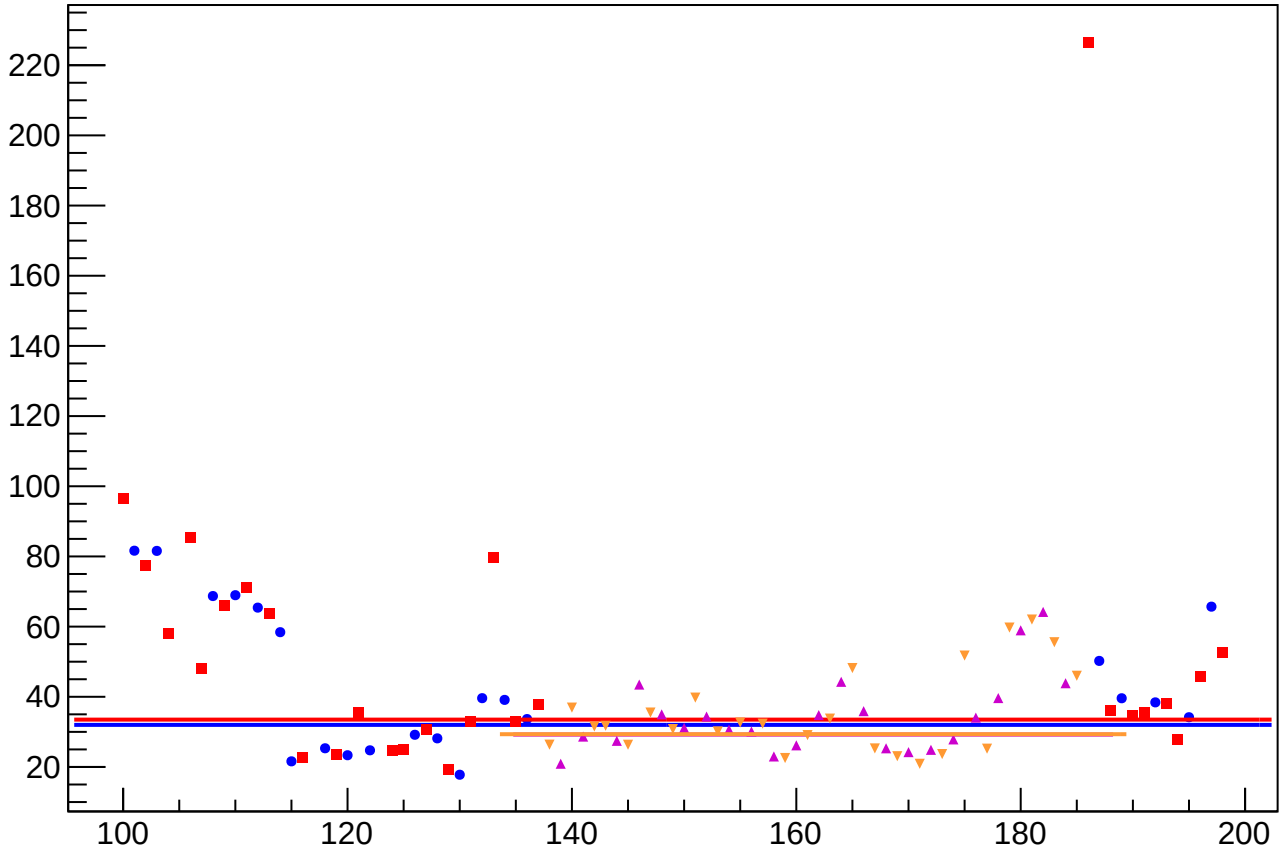
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.1/45

All: 0.002+/-0.004 χ^2/NDF: 102.5/95

- sign -0.003+/-0.006 χ^2/NDF: 49.8/49

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.996+/-0.008 χ^2/NDF: 3056392.0/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

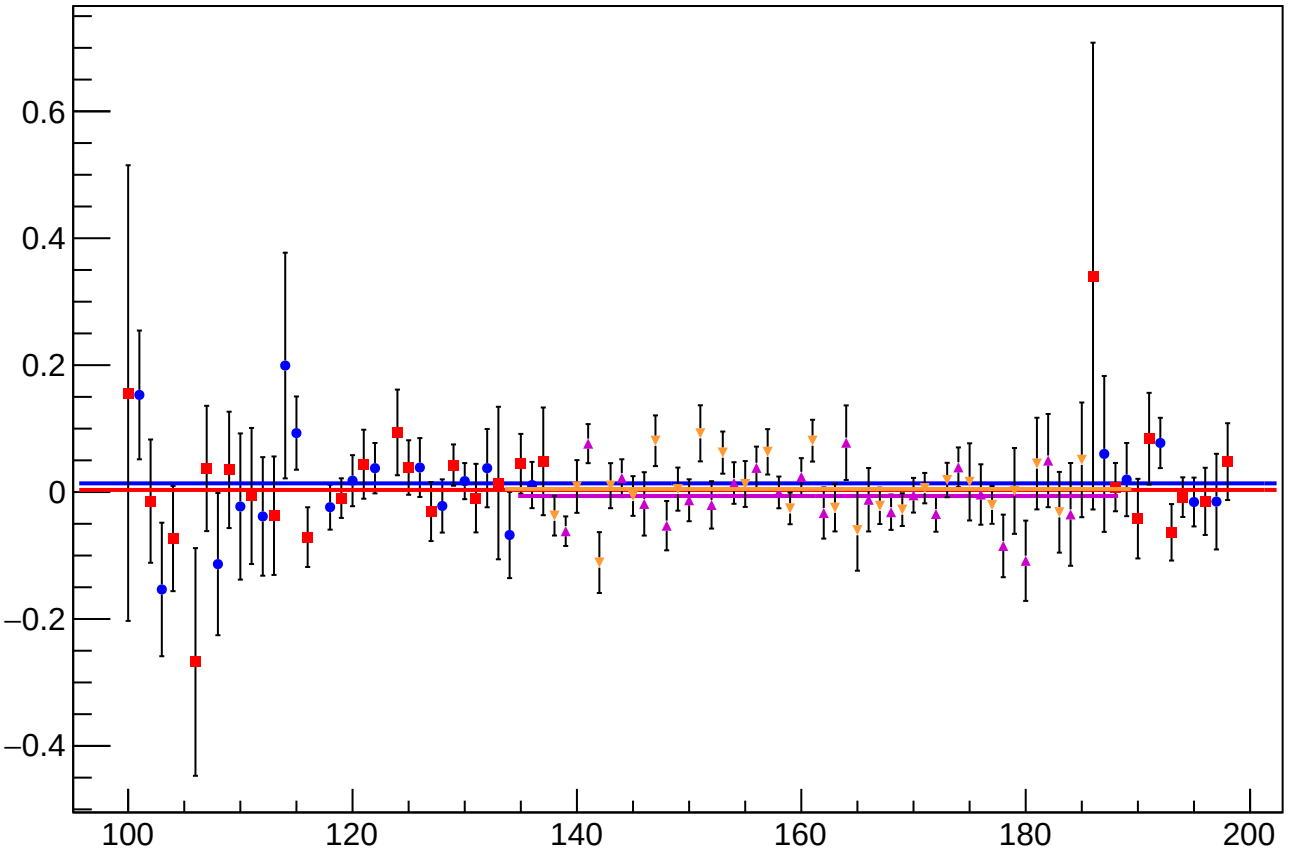
Right Out: 33.494+/-0.007 χ^2/NDF: 3646355.8/26

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 30.116+/-0.004 χ^2/NDF: 5825503.9/45

All: 30.358+/-0.003 χ^2/NDF: 11798545.8/95

\- sign 30.600+/-0.004 χ^2/NDF: 5966467.4/49



Right In: 0.014+/-0.011 χ^2/NDF: 16.7/20

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.003+/-0.011 χ^2/NDF: 18.3/26

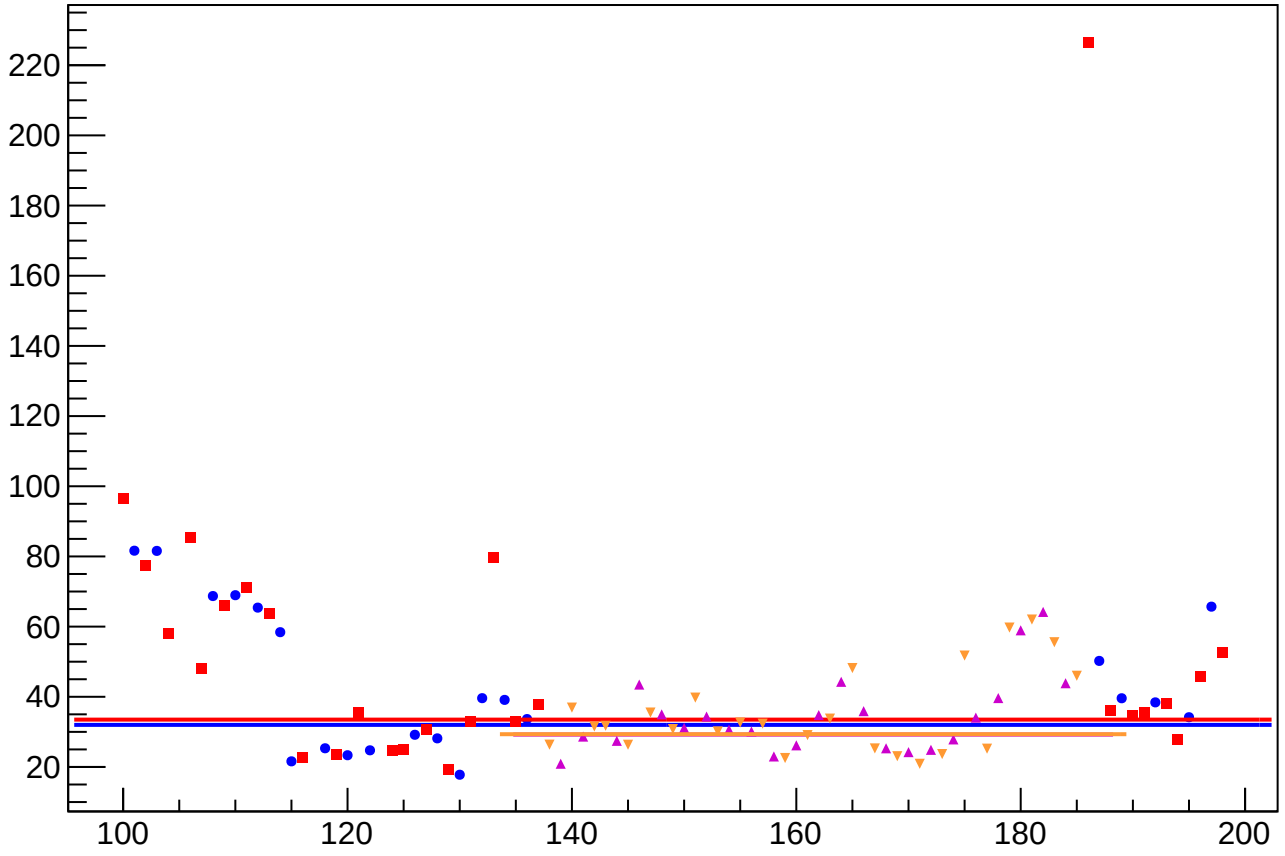
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.1/45

All: 0.002+/-0.004 χ^2/NDF: 102.5/95

- sign -0.003+/-0.006 χ^2/NDF: 49.8/49

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.996+/-0.008 χ^2/NDF: 3056392.0/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

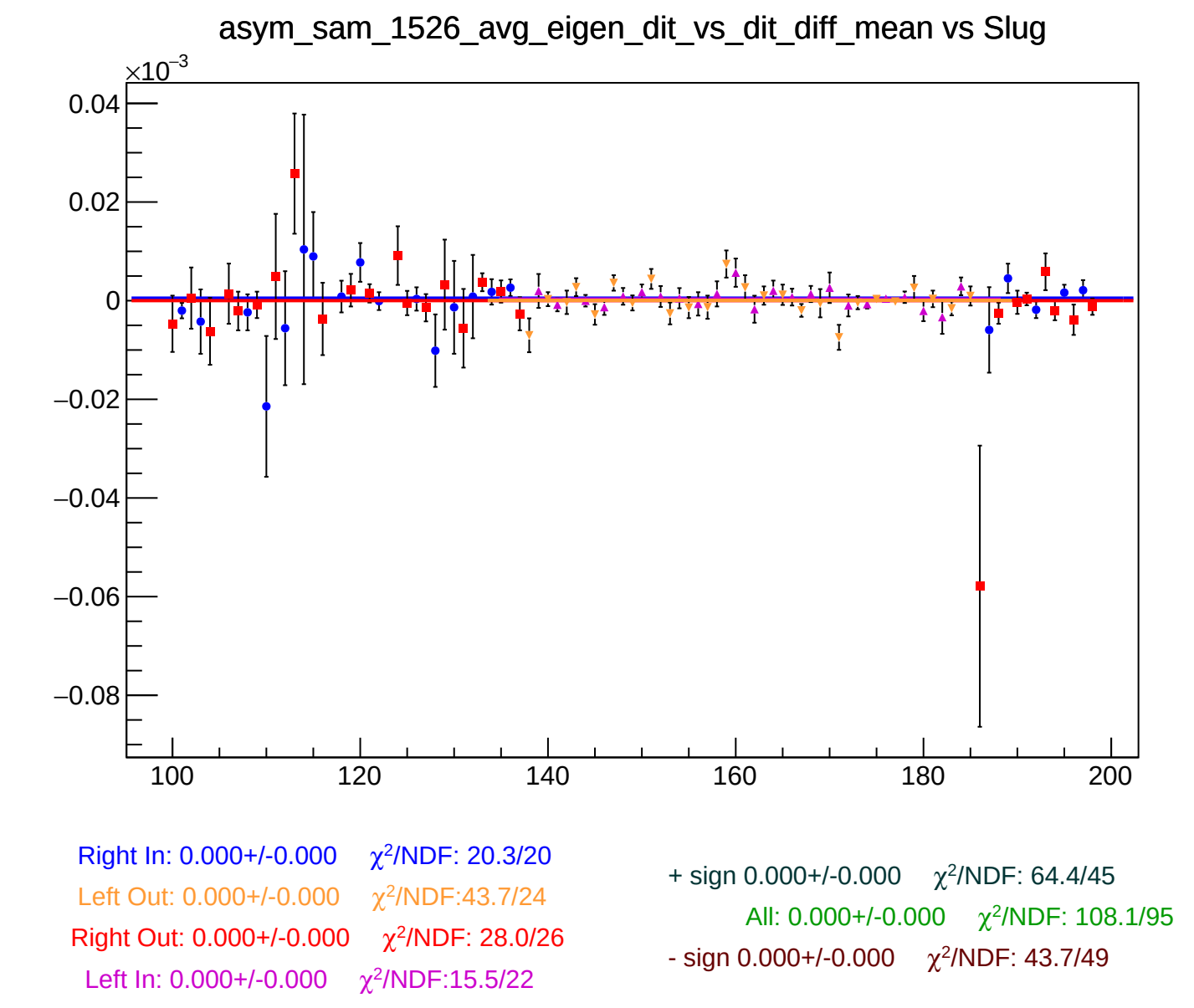
Right Out: 33.494+/-0.007 χ^2/NDF: 3646355.8/26

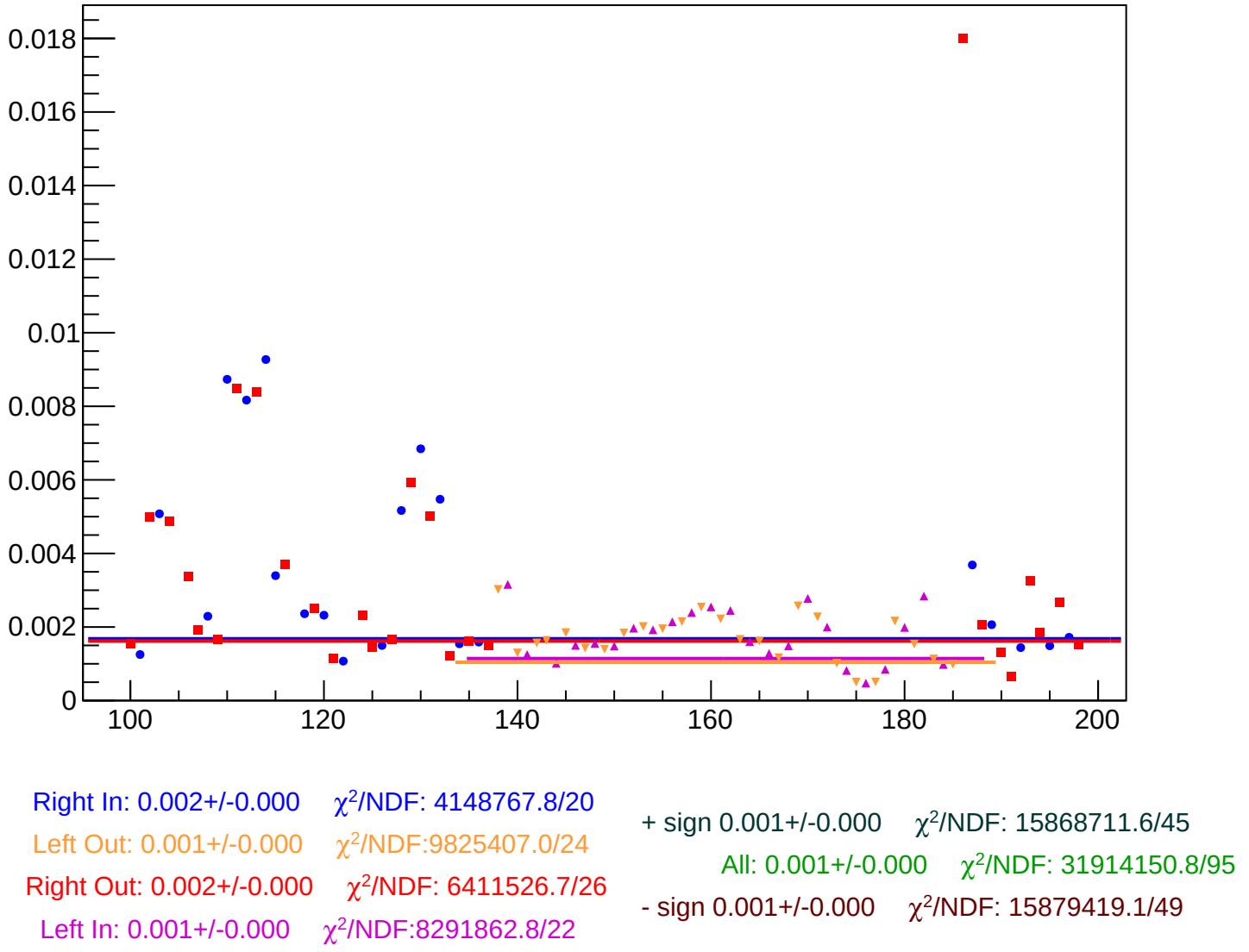
Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

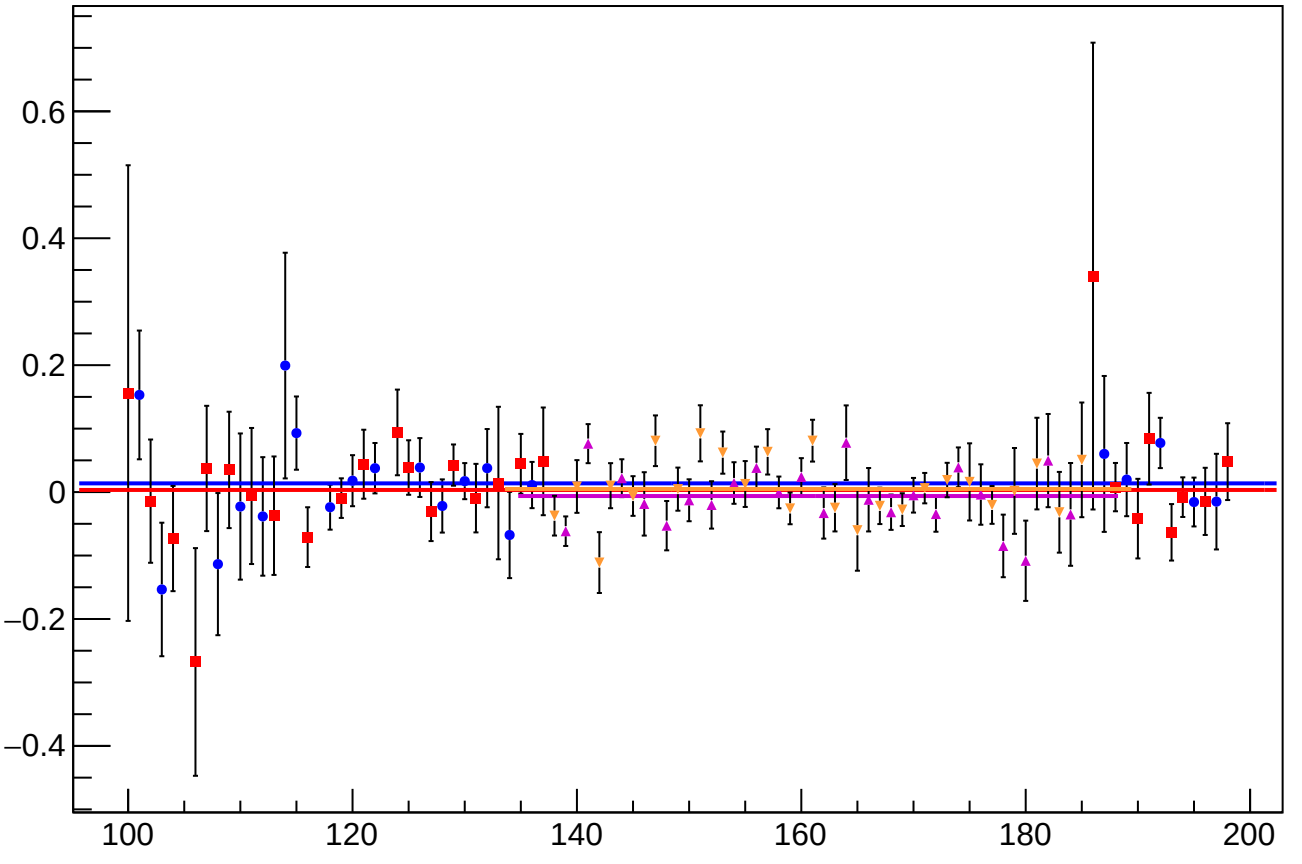
+ sign 30.116+/-0.004 χ^2/NDF: 5825503.9/45

All: 30.358+/-0.003 χ^2/NDF: 11798545.8/95

- sign 30.600+/-0.004 χ^2/NDF: 5966467.4/49


asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 20.3/20
Left Out: 0.000+/-0.000 χ²/NDF:43.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.0/26
Left In: 0.000+/-0.000 χ²/NDF:15.5/22
+ sign 0.000+/-0.000 χ²/NDF: 64.4/45
All: 0.000+/-0.000 χ²/NDF: 108.1/95
- sign 0.000+/-0.000 χ²/NDF: 43.7/49


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 4148767.8/20
Left Out: 0.001+/-0.000 χ²/NDF:9825407.0/24
Right Out: 0.002+/-0.000 χ²/NDF: 6411526.7/26
Left In: 0.001+/-0.000 χ²/NDF:8291862.8/22
+ sign 0.001+/-0.000 χ²/NDF: 15868711.6/45
All: 0.001+/-0.000 χ²/NDF: 31914150.8/95
- sign 0.001+/-0.000 χ²/NDF: 15879419.1/49



Right In: 0.014+/-0.011 χ^2/NDF: 16.7/20

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.003+/-0.011 χ^2/NDF: 18.3/26

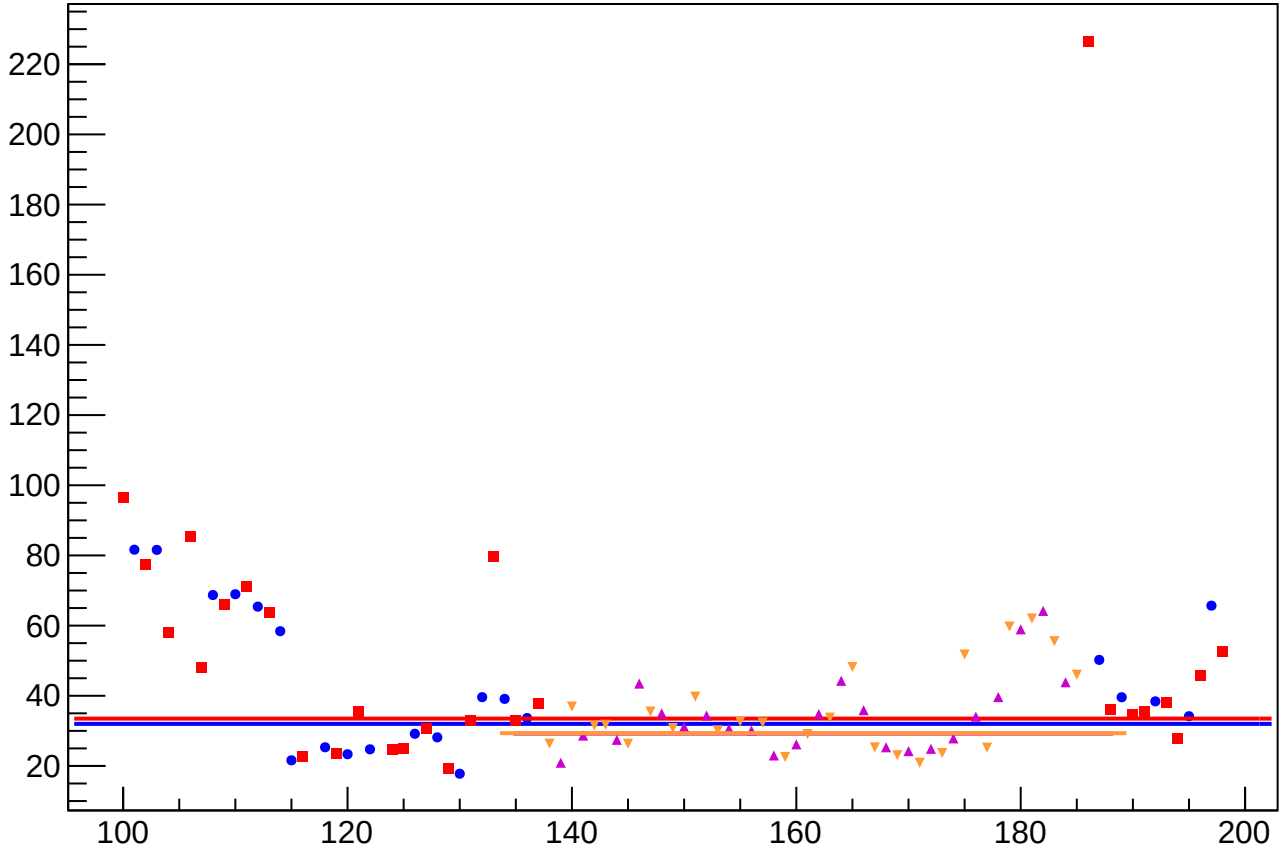
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.1/45

All: 0.002+/-0.004 χ^2/NDF: 102.5/95

- sign -0.003+/-0.006 χ^2/NDF: 49.8/49

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.995+/-0.008 χ^2/NDF: 3056671.3/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

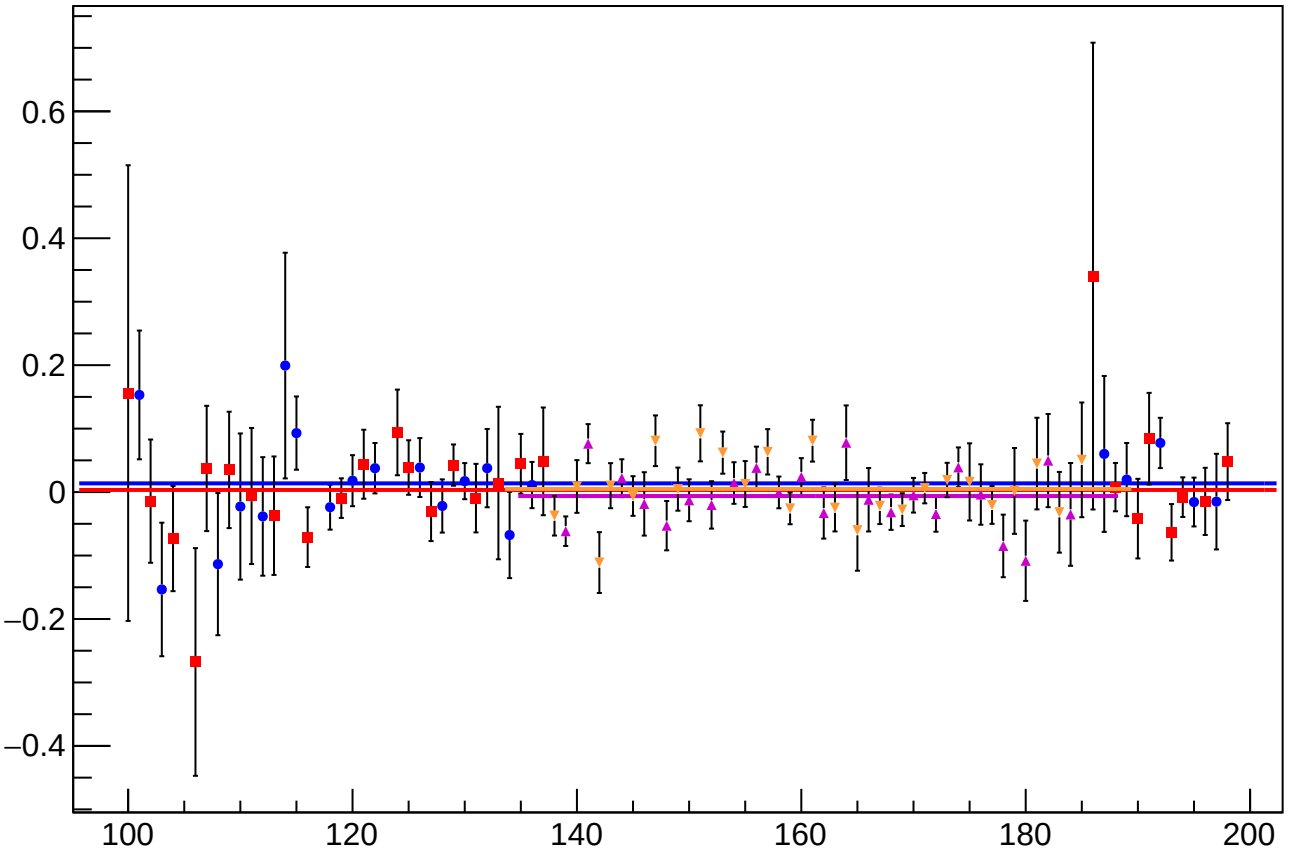
Right Out: 33.493+/-0.007 χ^2/NDF: 3646559.5/26

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

\+ sign 30.116+/-0.004 χ^2/NDF: 5825748.4/45

All: 30.358+/-0.003 χ^2/NDF: 11798839.0/95

\- sign 30.600+/-0.004 χ^2/NDF: 5966510.3/49



Right In: 0.014+/-0.011 χ^2/NDF: 16.7/20

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

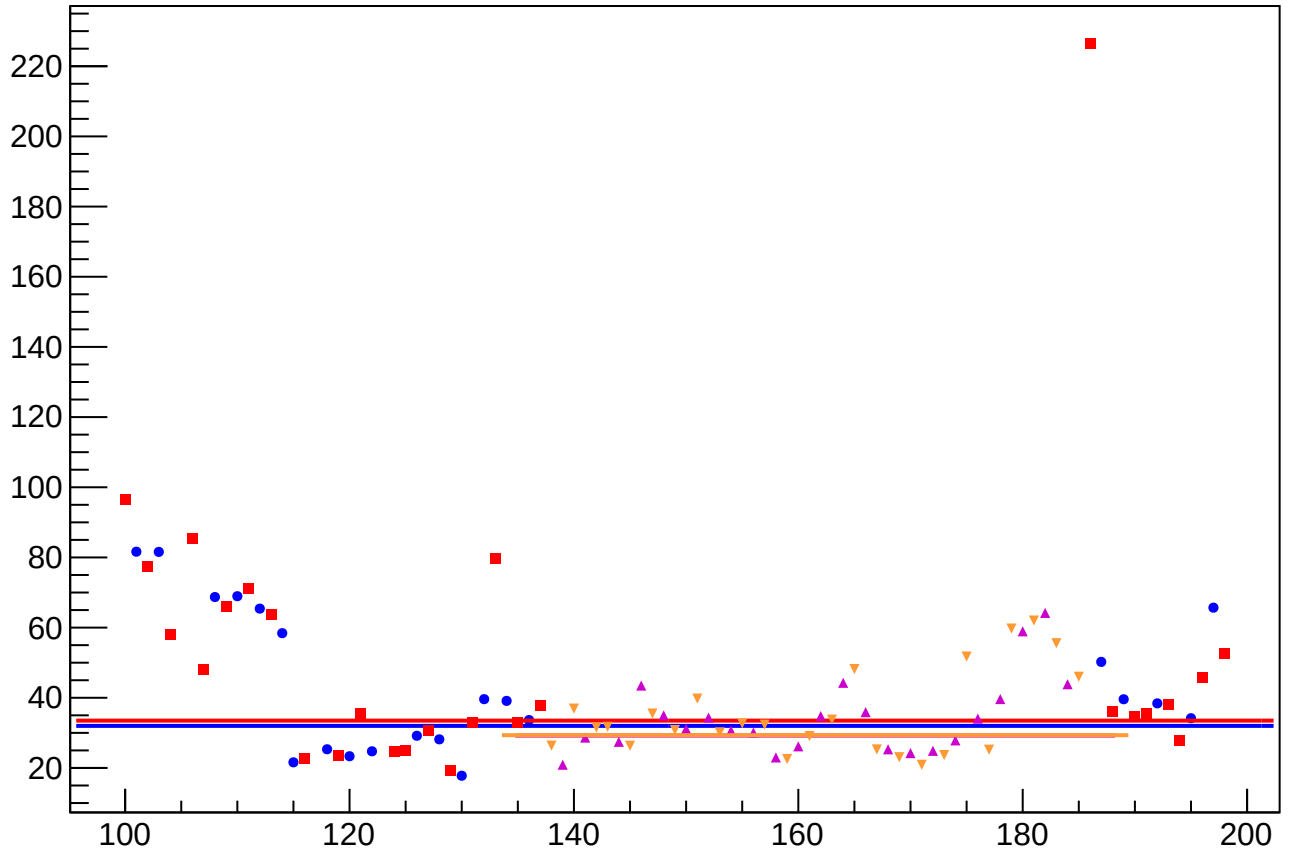
Right Out: 0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.1/45

All: 0.002+/-0.004 χ^2/NDF: 102.5/95

- sign -0.003+/-0.006 χ^2/NDF: 49.8/49



Right In: 31.995+/-0.008 χ^2/NDF: 3056671.3/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

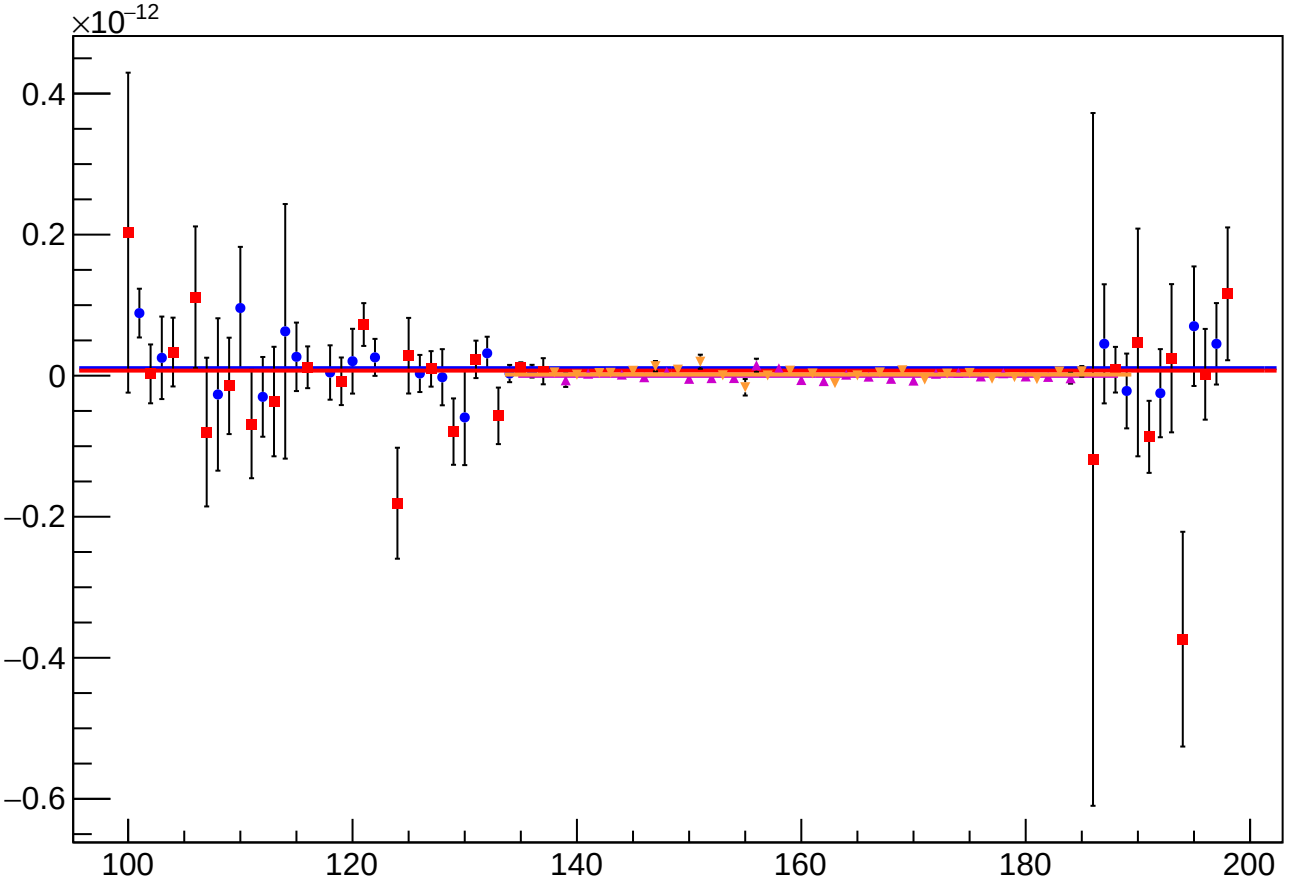
Right Out: 33.493+/-0.007 χ^2/NDF: 3646559.5/26

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.116+/-0.004 χ^2/NDF: 5825748.4/45

All: 30.358+/-0.003 χ^2/NDF: 11798839.0/95

- sign 30.600+/-0.004 χ^2/NDF: 5966510.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/26

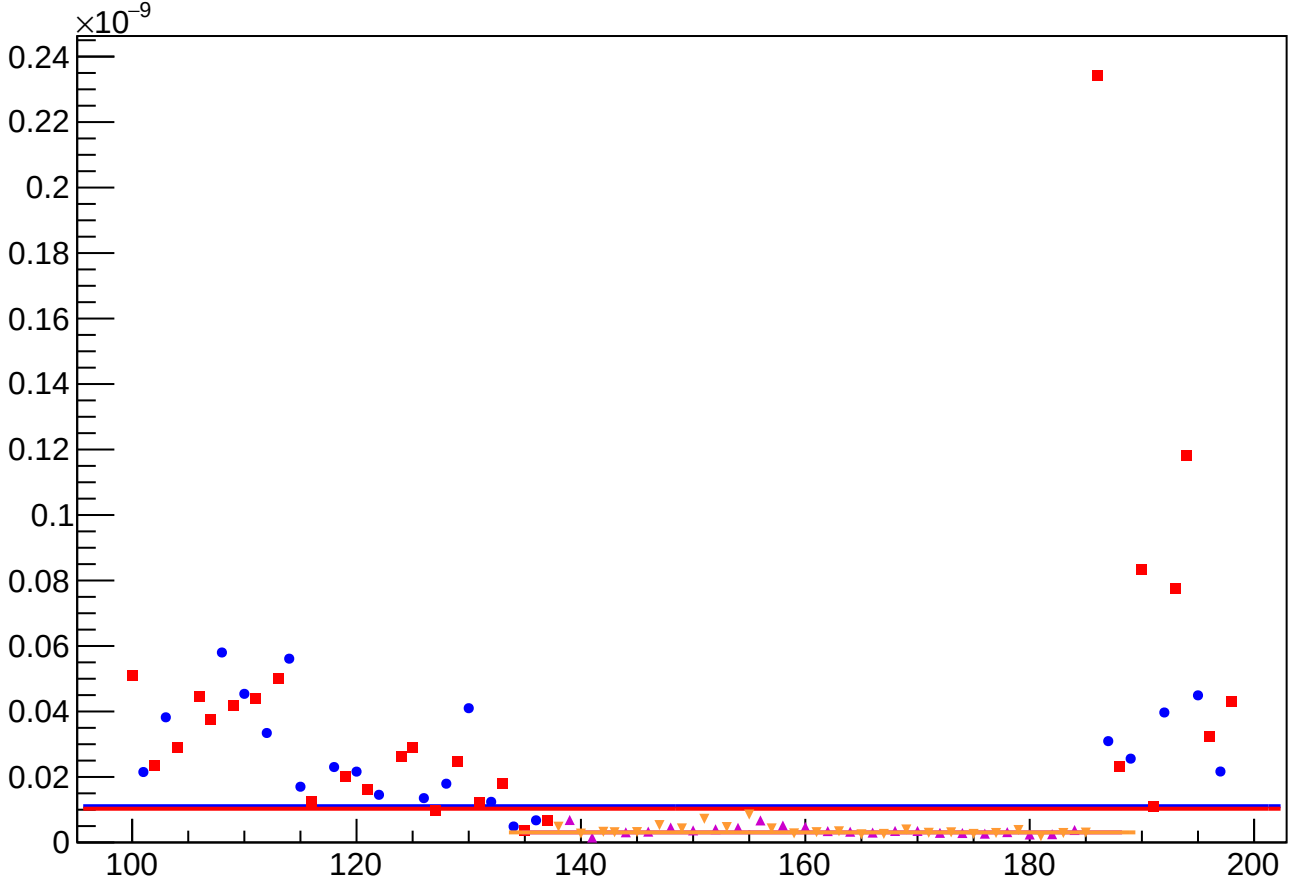
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.1/45

All: 0.000+/-0.000 χ^2/NDF: 103.8/95

- sign -0.000+/-0.000 χ^2/NDF: 52.8/49

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4617214.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8043655.4/26

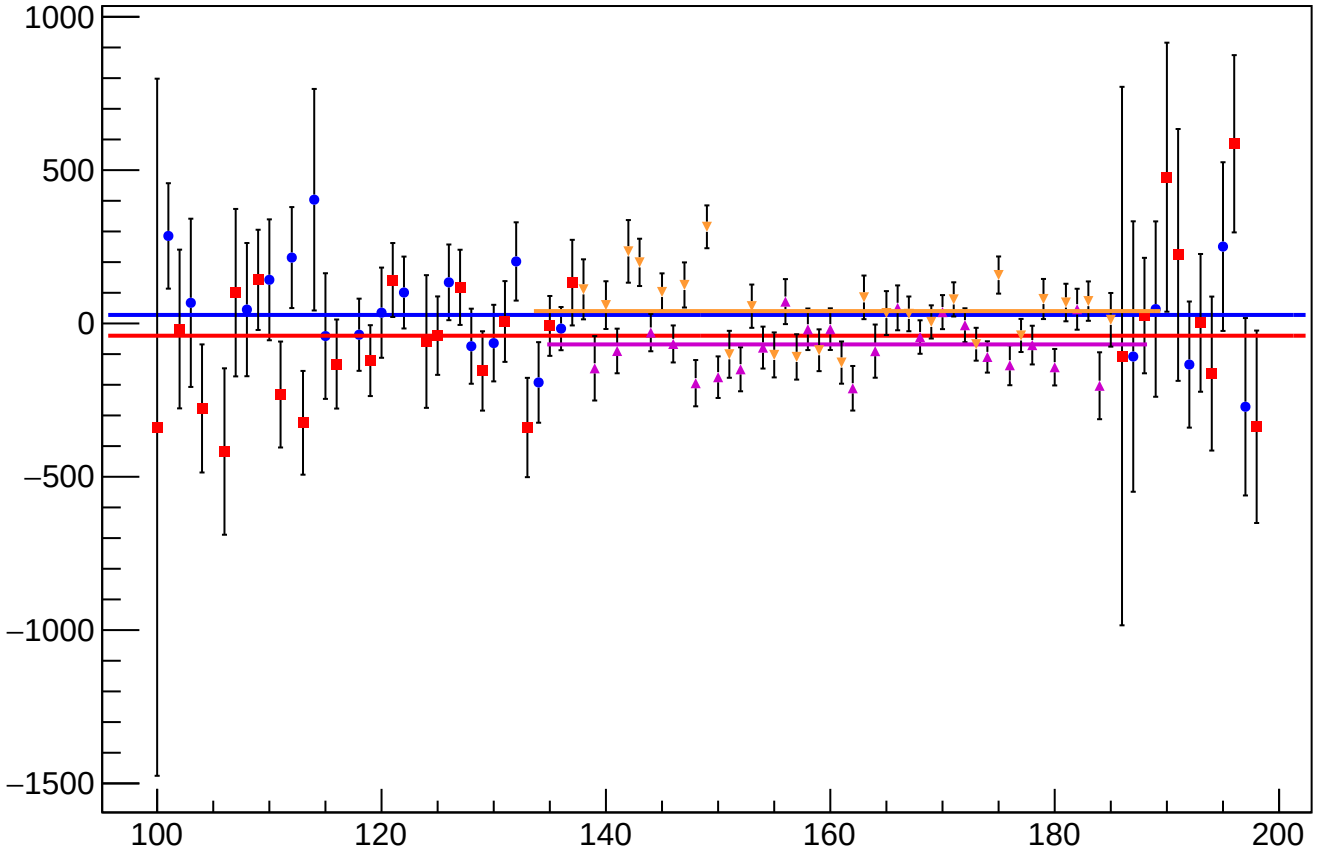
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10260698.9/45

All: 0.000+/-0.000 χ^2/NDF: 23536870.2/95

- sign 0.000+/-0.000 χ^2/NDF: 13276155.5/49

reg_asym_sam_3726_avg_mean vs Slug



Right In: 27.779+/-32.663 χ^2/NDF: 15.3/20

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -39.966+/-32.938 χ^2/NDF: 27.5/26

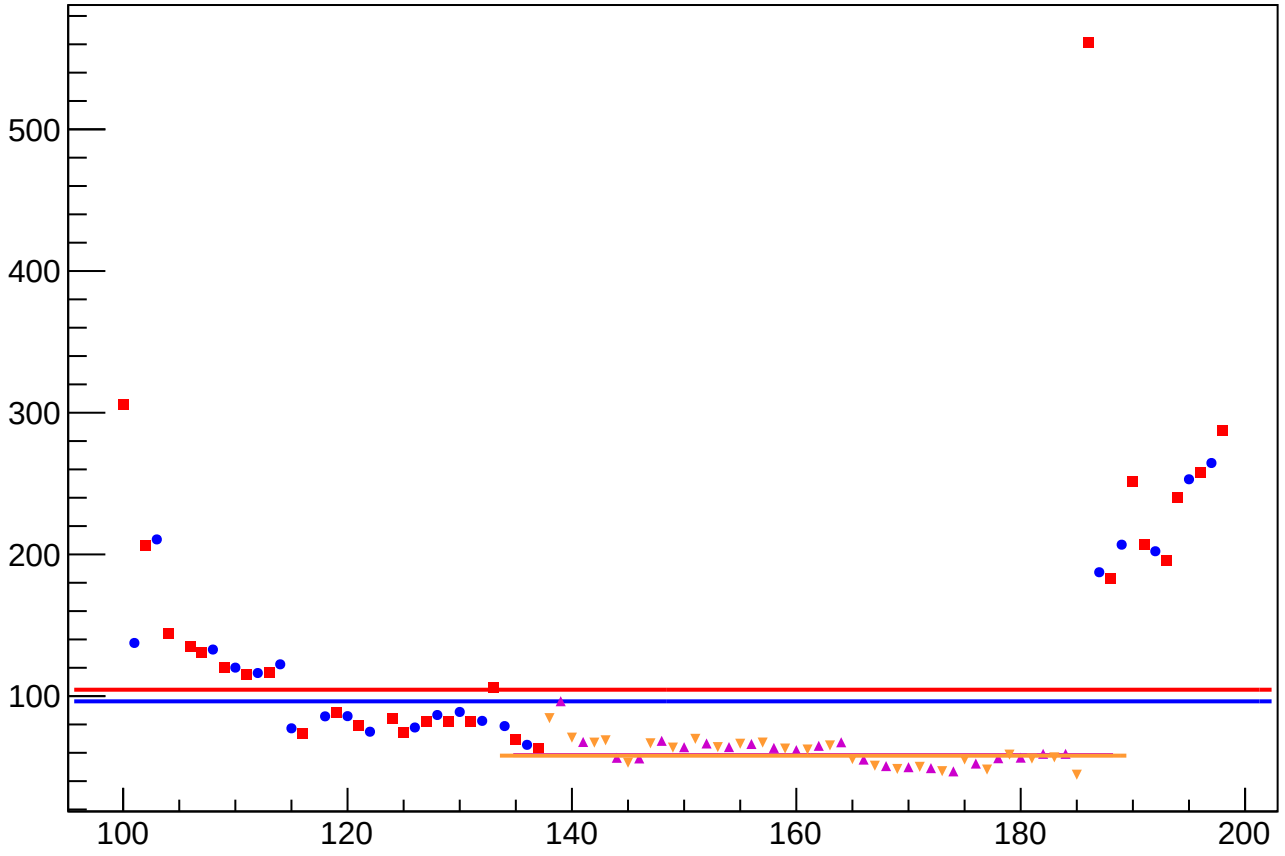
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 38.532+/-12.399 χ^2/NDF: 74.8/45

All: -11.217+/-8.899 χ^2/NDF: 167.9/95

- sign -64.072+/-12.780 χ^2/NDF: 59.8/49

reg_asym_sam_3726_avg_rms vs Slug



Right In: 96.315+/-0.023 χ^2/NDF: 3441230.7/20

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

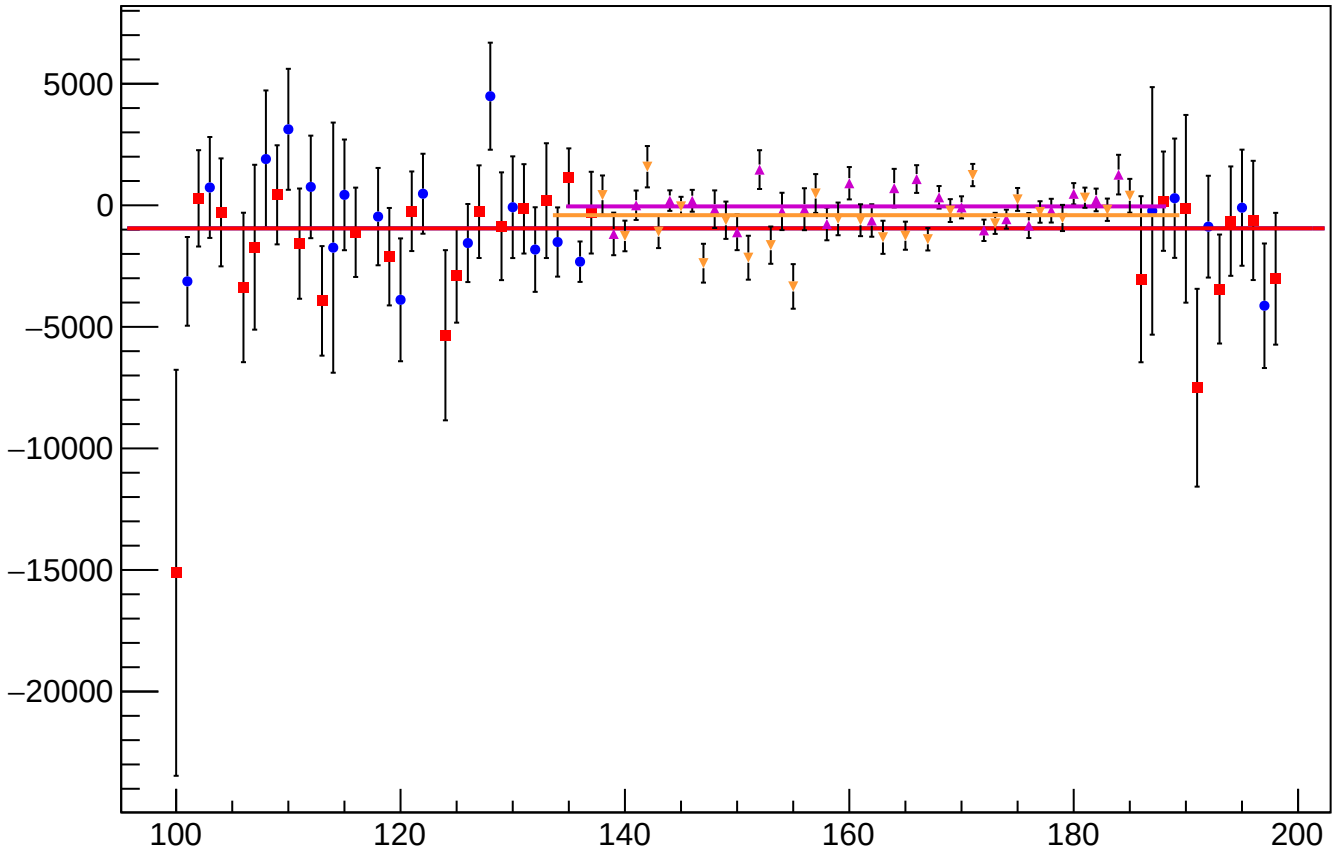
Right Out: 104.524+/-0.023 χ^2/NDF: 4883088.0/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.517+/-0.009 χ^2/NDF: 6605003.9/45

All: 64.402+/-0.006 χ^2/NDF: 15576246.3/95

- sign 65.341+/-0.009 χ^2/NDF: 8950262.9/49



Right In: -946.848+/-411.520 χ^2/NDF: 20.5/20

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -948.406+/-418.135 χ^2/NDF: 18.4/26

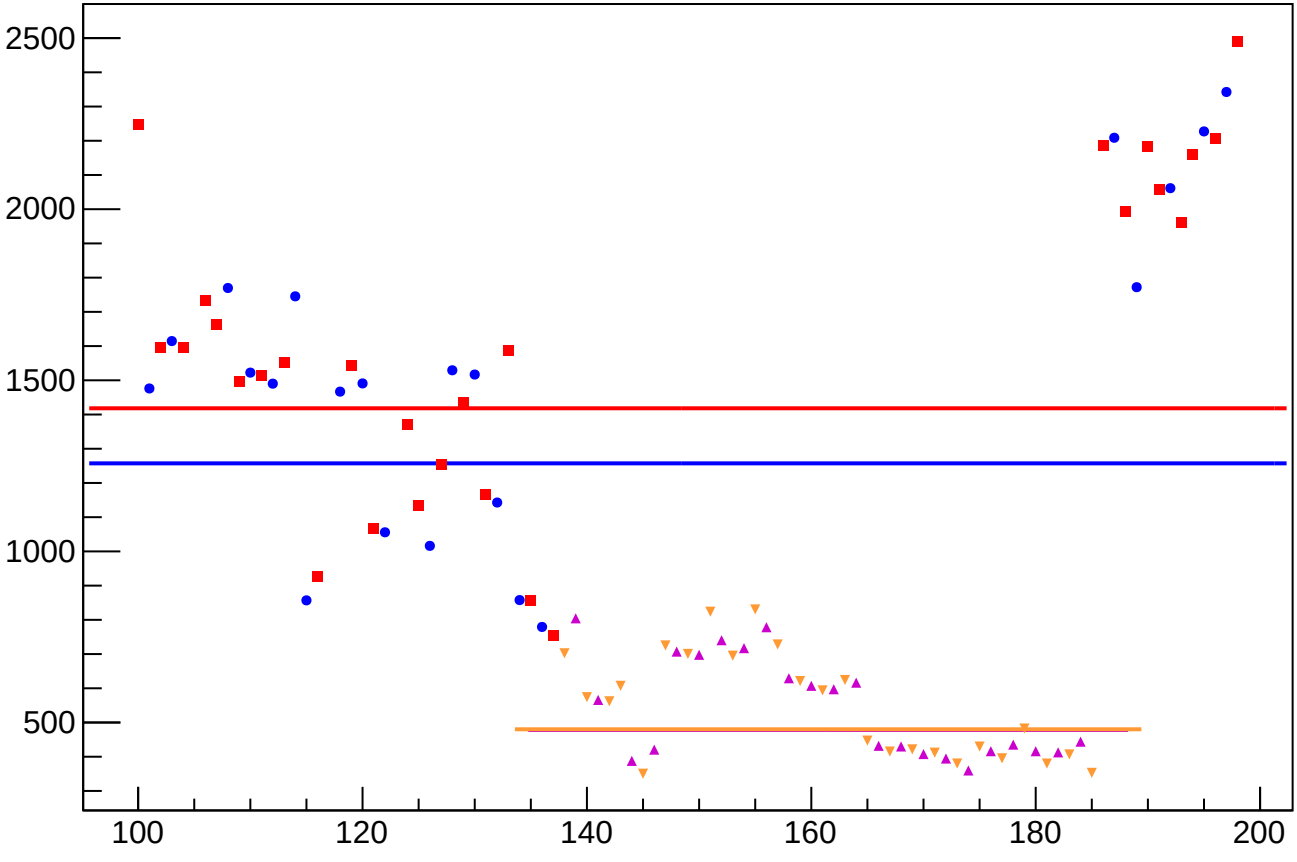
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -444.512+/-109.386 χ^2/NDF: 85.3/45

All: -280.148+/-78.107 χ^2/NDF: 143.6/95

- sign -109.161+/-111.568 χ^2/NDF: 53.7/49

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1257.322+/-0.291 χ^2/NDF: 2425891.0/20

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1418.216+/-0.296 χ^2/NDF: 2434731.4/26

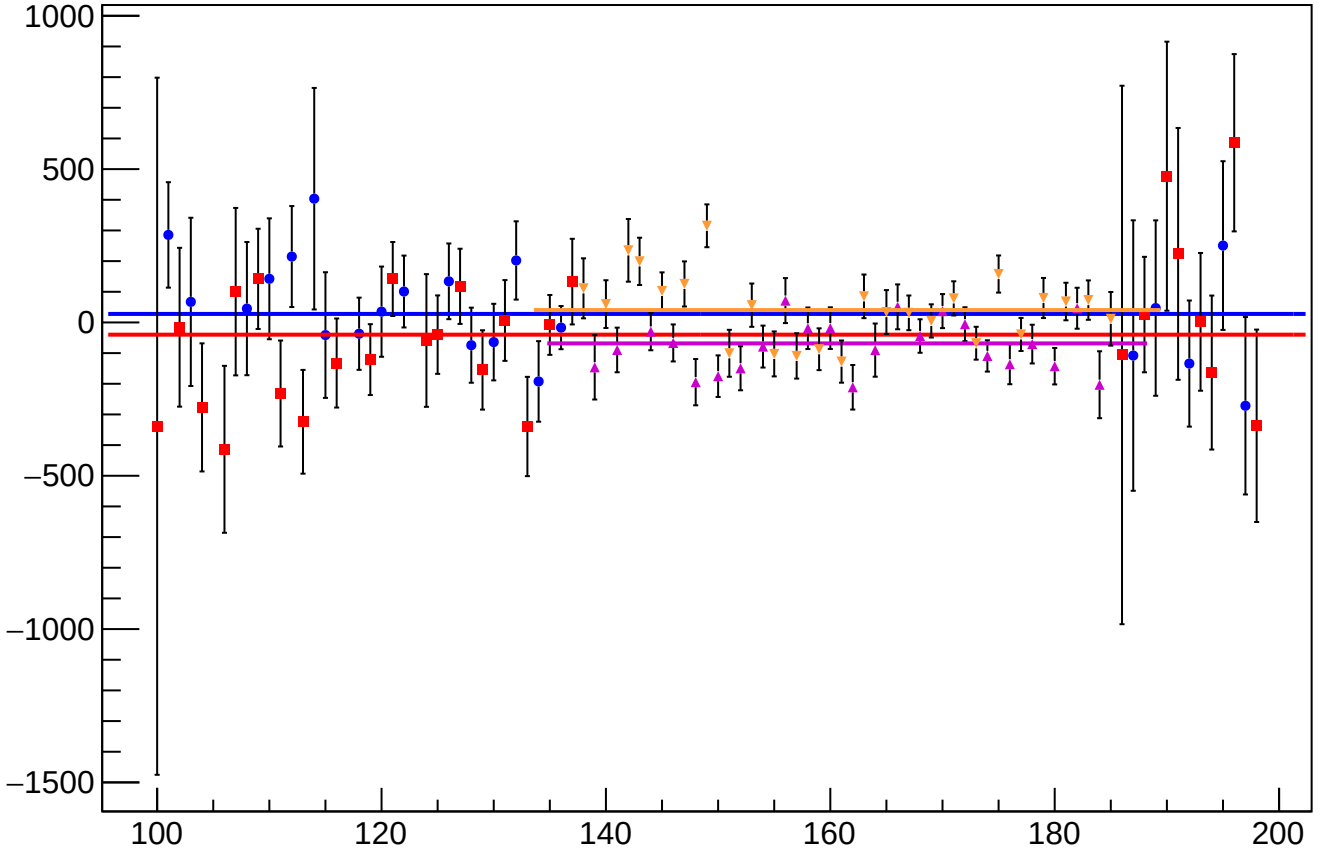
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 535.072+/-0.077 χ^2/NDF: 11637080.2/45

All: 539.945+/-0.055 χ^2/NDF: 25686170.0/95

- sign 545.016+/-0.079 χ^2/NDF: 14040988.6/49

cor_asym_sam_3726_avg_mean vs Slug



Right In: 27.770+/-32.663 χ^2/NDF: 15.3/20

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -39.830+/-32.939 χ^2/NDF: 27.4/26

Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.532+/-12.399 χ^2/NDF: 74.8/45

All: -11.207+/-8.899 χ^2/NDF: 167.8/95

- sign -64.051+/-12.780 χ^2/NDF: 59.8/49

cor_asym_sam_3726_avg_rms vs Slug

Right In: 96.315+/-0.023 χ^2/NDF: 3441233.6/20

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

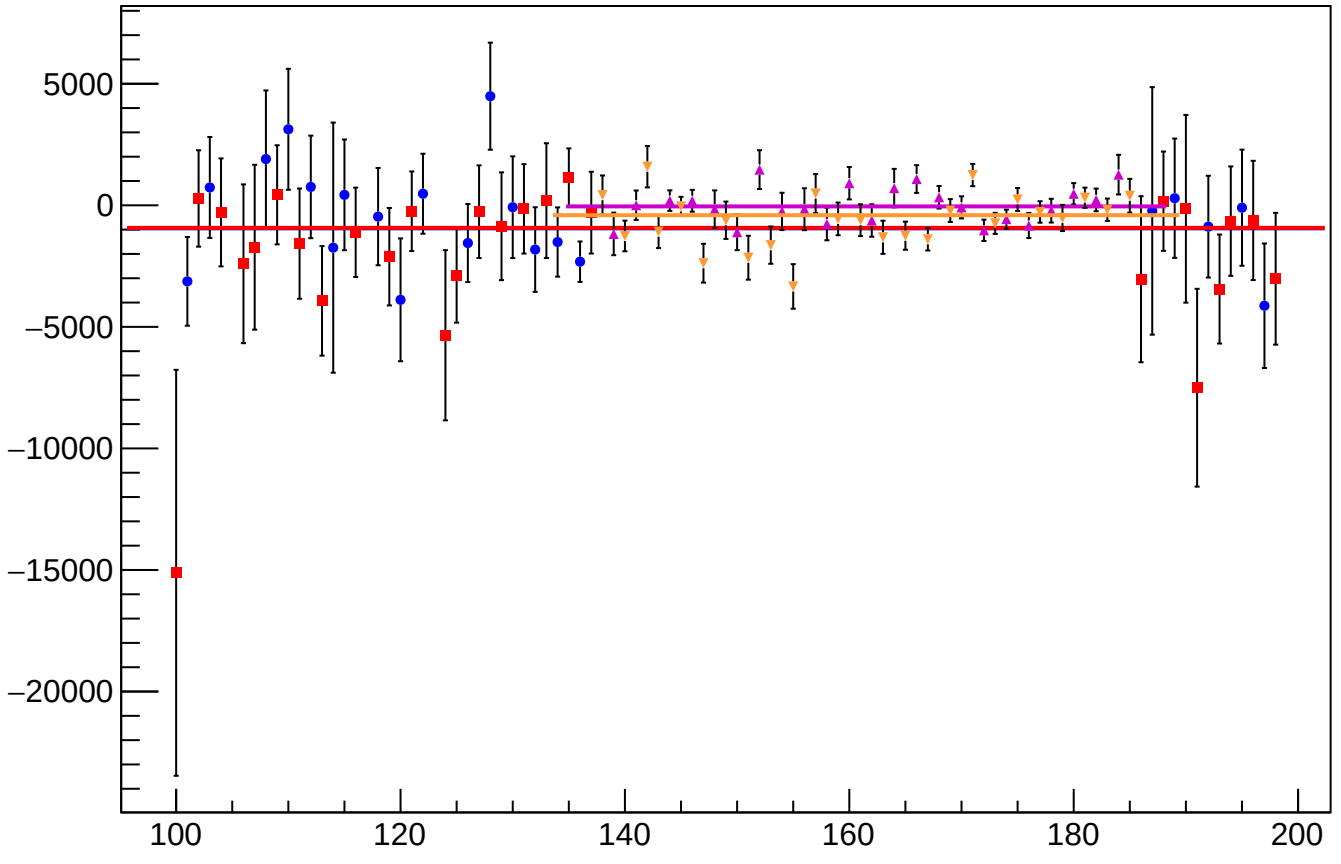
Right Out: 104.492+/-0.023 χ^2/NDF: 4880107.6/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.517+/-0.009 χ^2/NDF: 6605006.0/45

All: 64.399+/-0.006 χ^2/NDF: 15568278.8/95

- sign 65.336+/-0.009 χ^2/NDF: 8942417.3/49



Right In: -946.822+/-411.521 χ^2/NDF: 20.5/20

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -927.613+/-418.590 χ^2/NDF: 17.9/26

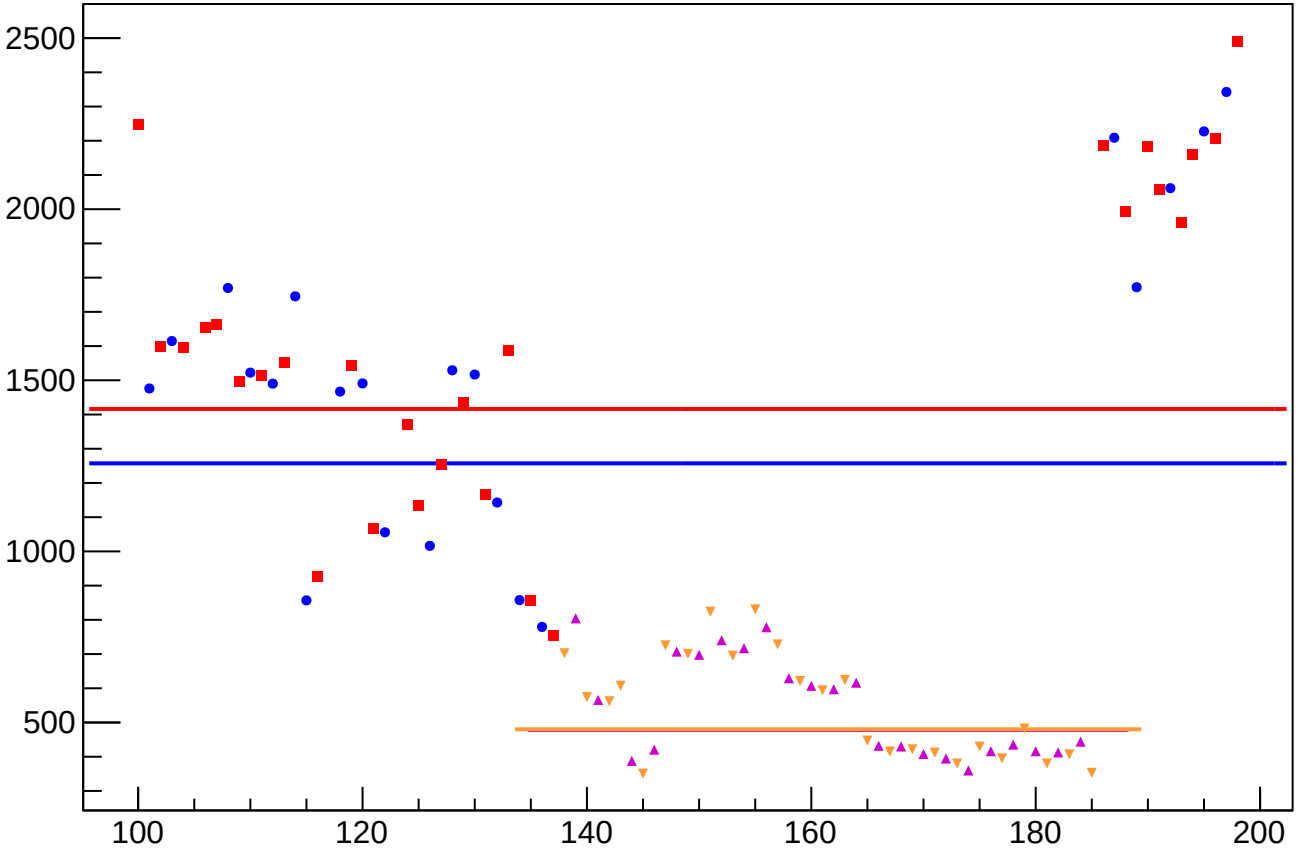
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -444.509+/-109.386 χ^2/NDF: 85.3/45

All: -279.371+/-78.110 χ^2/NDF: 143.0/95

- sign -107.553+/-111.577 χ^2/NDF: 53.1/49

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1257.324+/-0.291 χ^2/NDF: 2425922.5/20

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1416.308+/-0.296 χ^2/NDF: 2424398.5/26

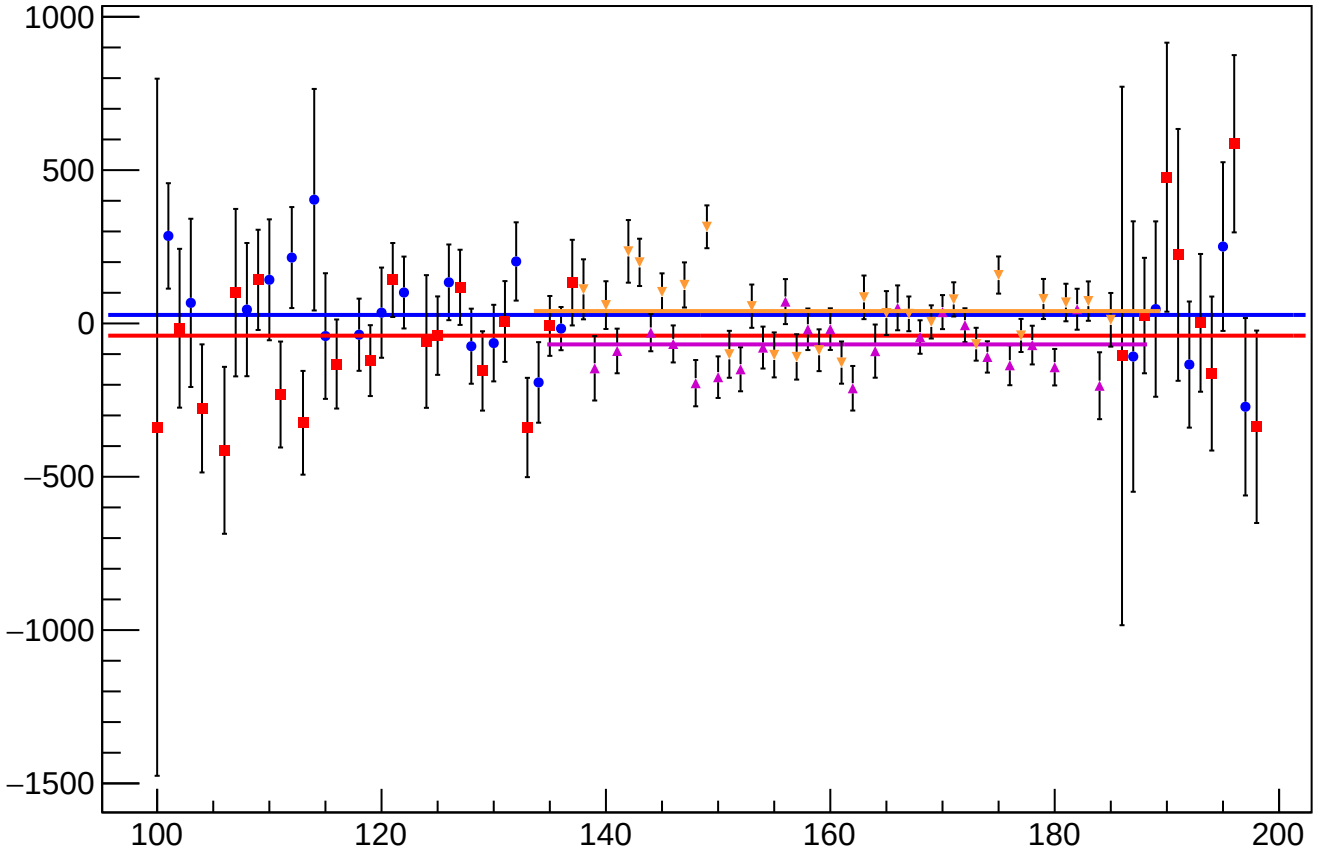
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 535.071+/-0.077 χ^2/NDF: 11637106.5/45

All: 539.813+/-0.055 χ^2/NDF: 25618487.5/95

- sign 544.745+/-0.079 χ^2/NDF: 13973714.7/49

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 27.770+/-32.663 χ^2/NDF: 15.3/20

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -39.830+/-32.939 χ^2/NDF: 27.4/26

Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.532+/-12.399 χ^2/NDF: 74.8/45

All: -11.207+/-8.899 χ^2/NDF: 167.8/95

- sign -64.051+/-12.780 χ^2/NDF: 59.8/49

eigen_cor_asym_sam_3726_avg_rms vs Slug

Right In: 96.315+/-0.023 χ^2/NDF: 3441233.6/20

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

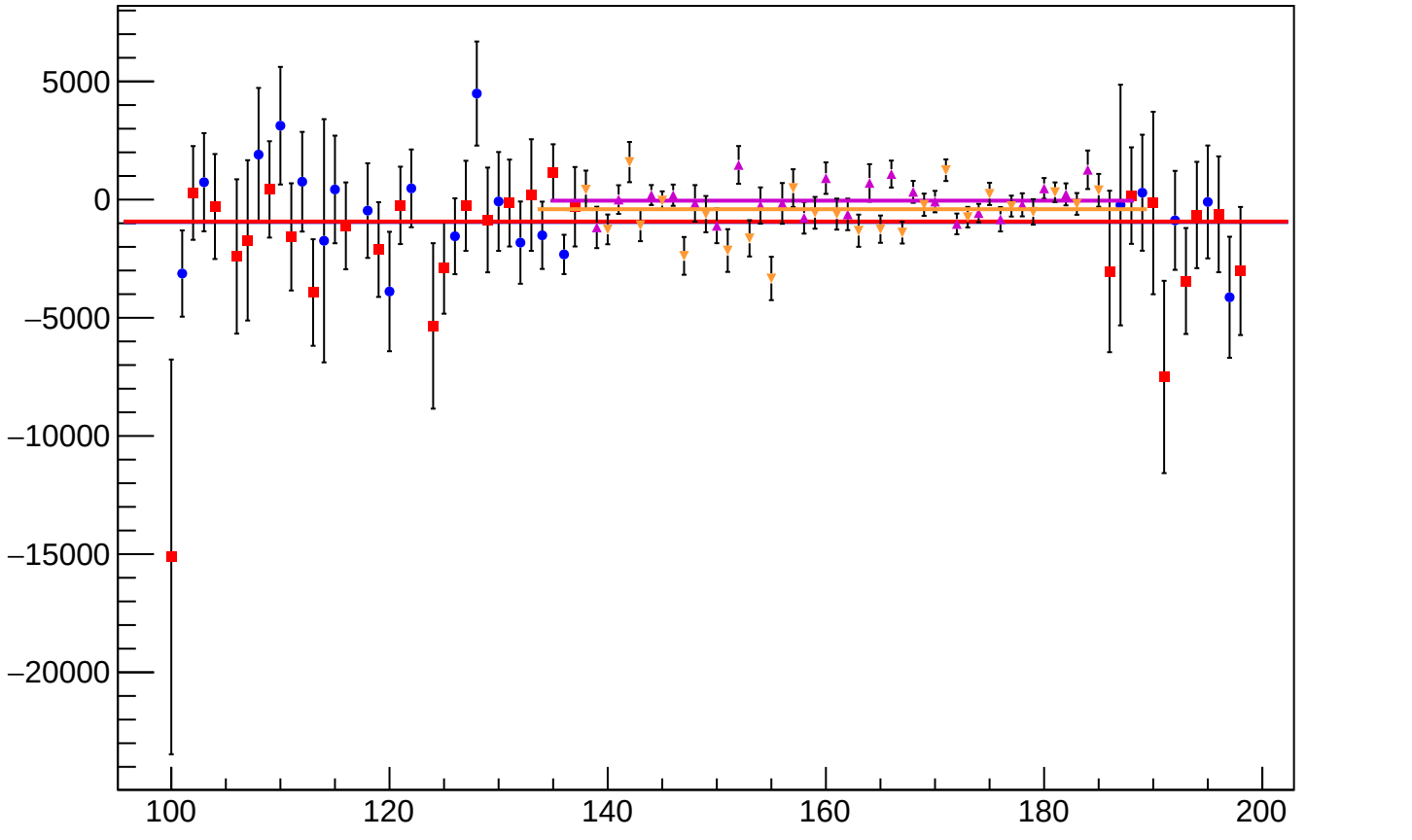
Right Out: 104.492+/-0.023 χ^2/NDF: 4880107.6/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.517+/-0.009 χ^2/NDF: 6605006.0/45

All: 64.399+/-0.006 χ^2/NDF: 15568278.8/95

- sign 65.336+/-0.009 χ^2/NDF: 8942417.3/49



Right In: -946.822+/-411.521 χ^2/NDF: 20.5/20

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

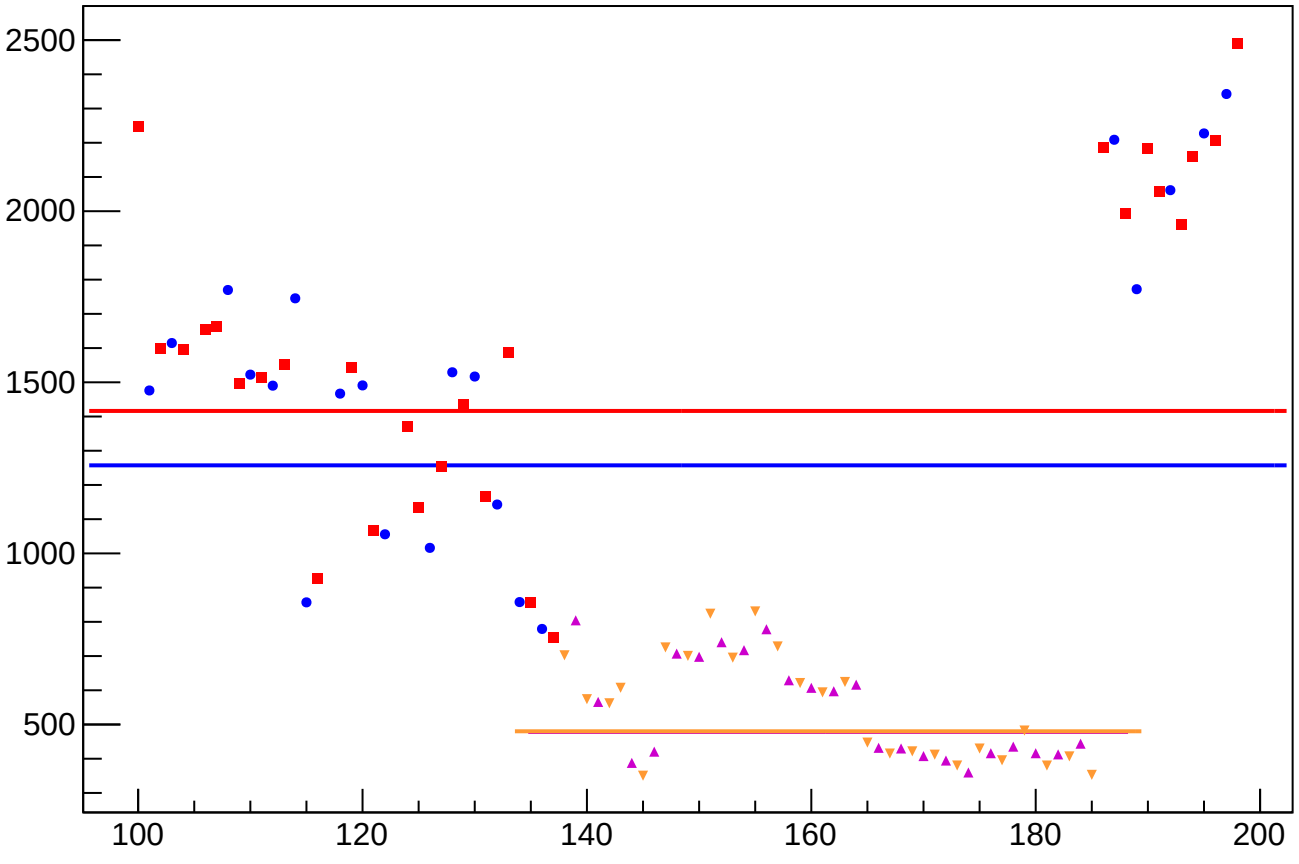
Right Out: -927.613+/-418.590 χ^2/NDF: 17.9/26

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -444.509+/-109.386 χ^2/NDF: 85.3/45

All: -279.371+/-78.110 χ^2/NDF: 143.0/95

- sign -107.553+/-111.577 χ^2/NDF: 53.1/49



Right In: 1257.324+/-0.291 χ^2/NDF: 2425922.5/20

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1416.308+/-0.296 χ^2/NDF: 2424398.5/26

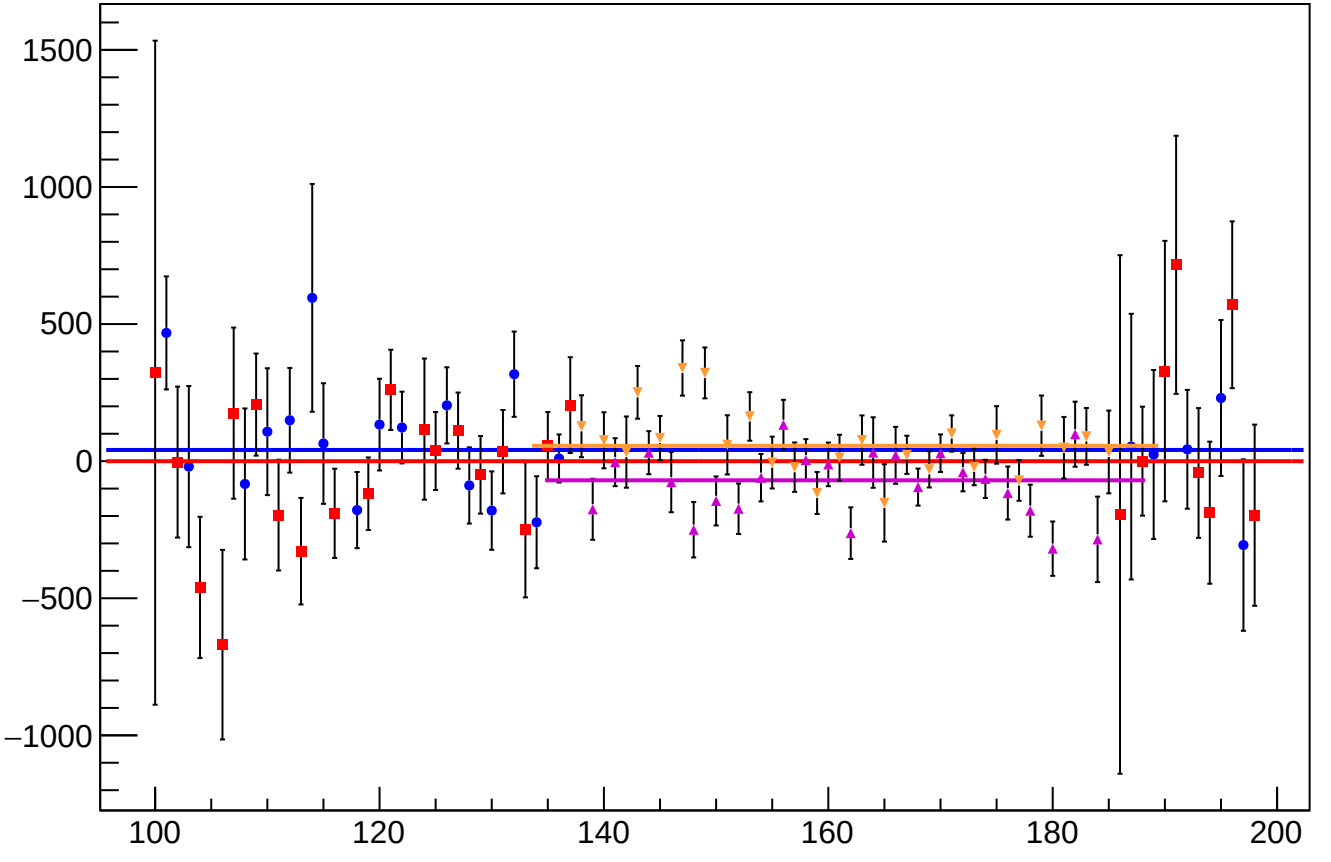
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

\+ sign 535.071+/-0.077 χ^2/NDF: 11637106.5/45

All: 539.813+/-0.055 χ^2/NDF: 25618487.5/95

\- sign 544.745+/-0.079 χ^2/NDF: 13973714.7/49

dit_asym_sam_3726_avg_mean vs Slug



Right In: 40.881+/-38.199 χ^2/NDF: 22.0/20

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -0.098+/-38.312 χ^2/NDF: 28.7/26

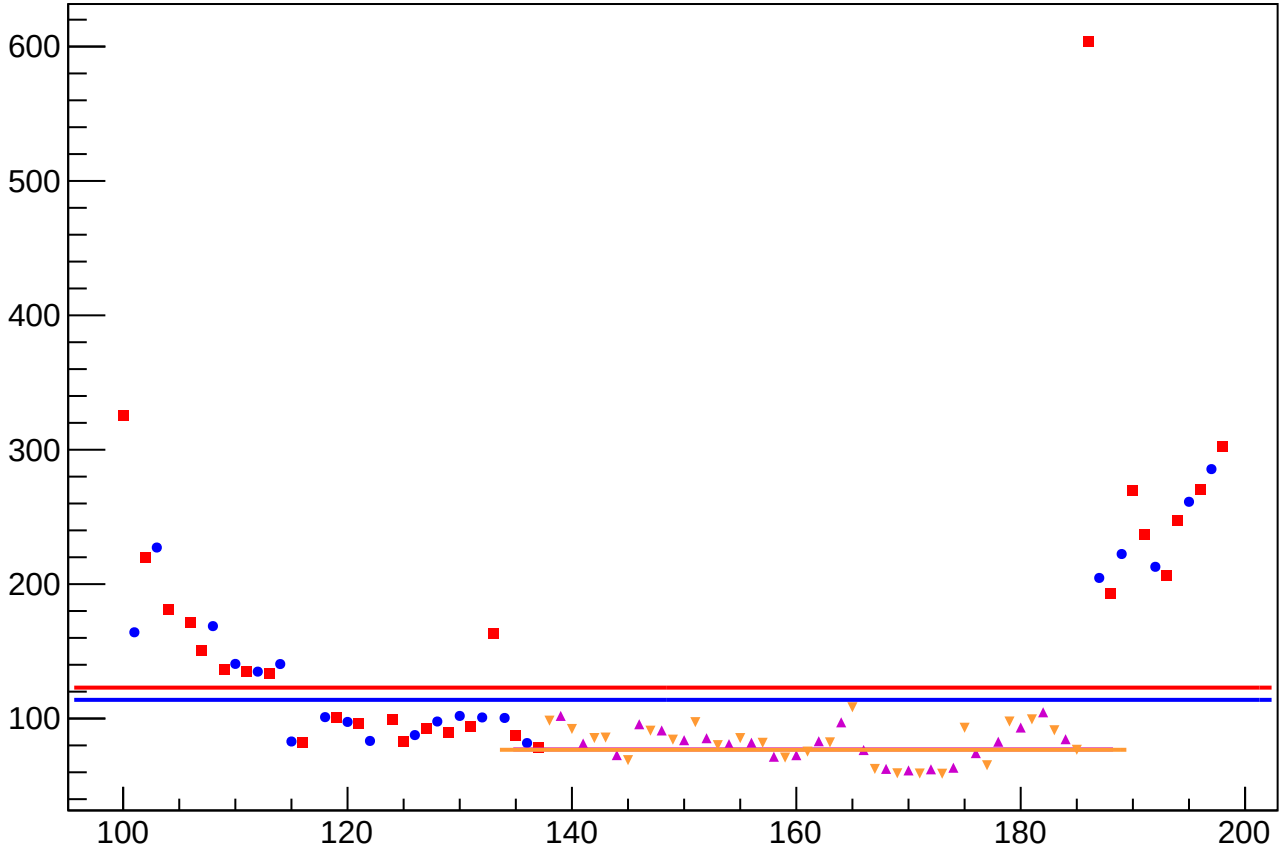
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.224+/-16.245 χ^2/NDF: 60.4/45

All: -0.343+/-11.630 χ^2/NDF: 148.6/95

- sign -56.660+/-16.657 χ^2/NDF: 65.9/49

dit_asym_sam_3726_avg_rms vs Slug



Right In: 113.895+/-0.027 χ^2/NDF: 3024322.3/20

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 123.001+/-0.027 χ^2/NDF: 4379473.1/26

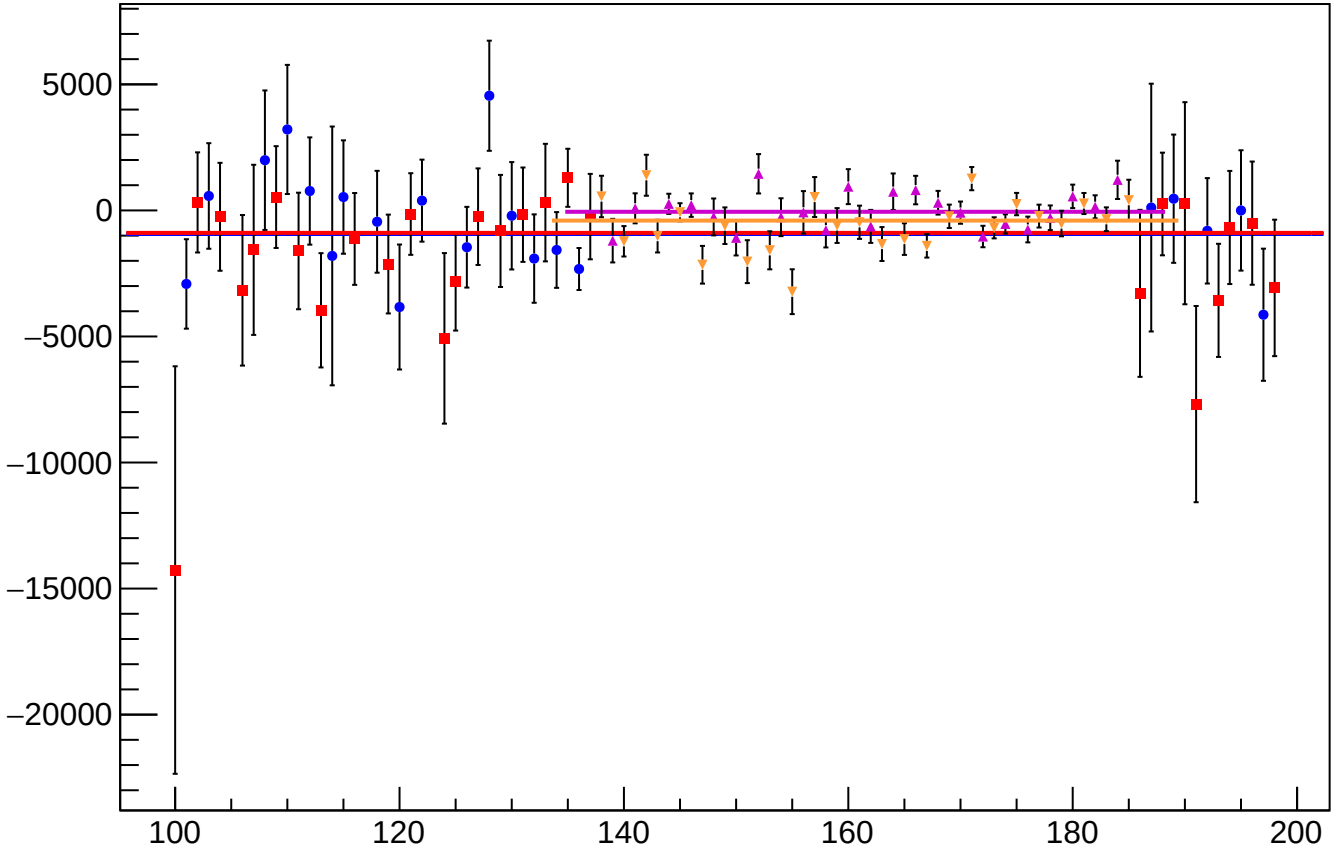
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 83.463+/-0.011 χ^2/NDF: 5808568.3/45

All: 84.558+/-0.008 χ^2/NDF: 13402078.3/95

- sign 85.710+/-0.012 χ^2/NDF: 7574854.7/49

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -935.086+/-413.530 χ^2/NDF: 20.5/20

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -891.519+/-414.424 χ^2/NDF: 19.8/26

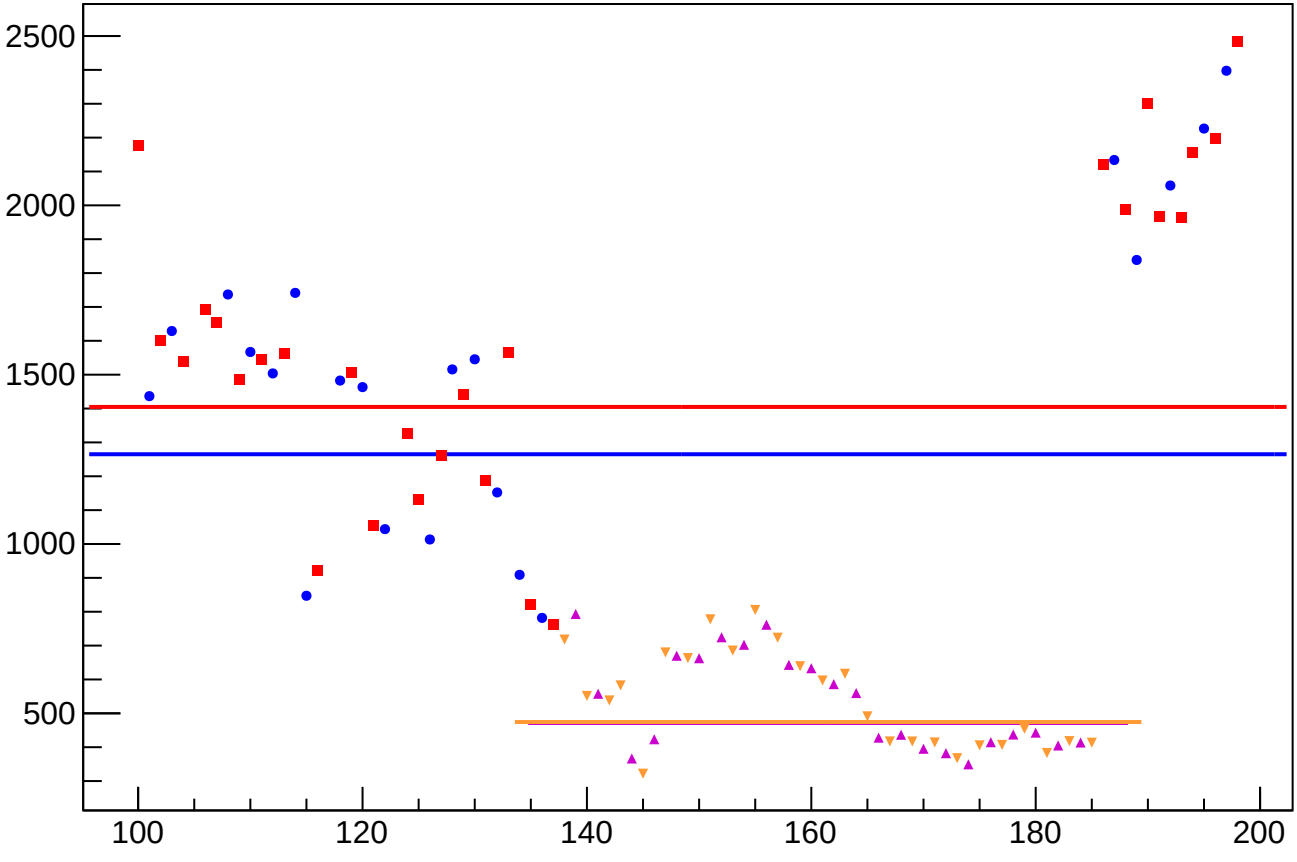
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -439.576+/-107.901 χ^2/NDF: 82.8/45

All: -279.759+/-77.069 χ^2/NDF: 141.5/95

- sign -113.309+/-110.117 χ^2/NDF: 54.2/49

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1265.059+/-0.292 χ^2/NDF: 2404156.5/20

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1404.726+/-0.293 χ^2/NDF: 2501166.6/26

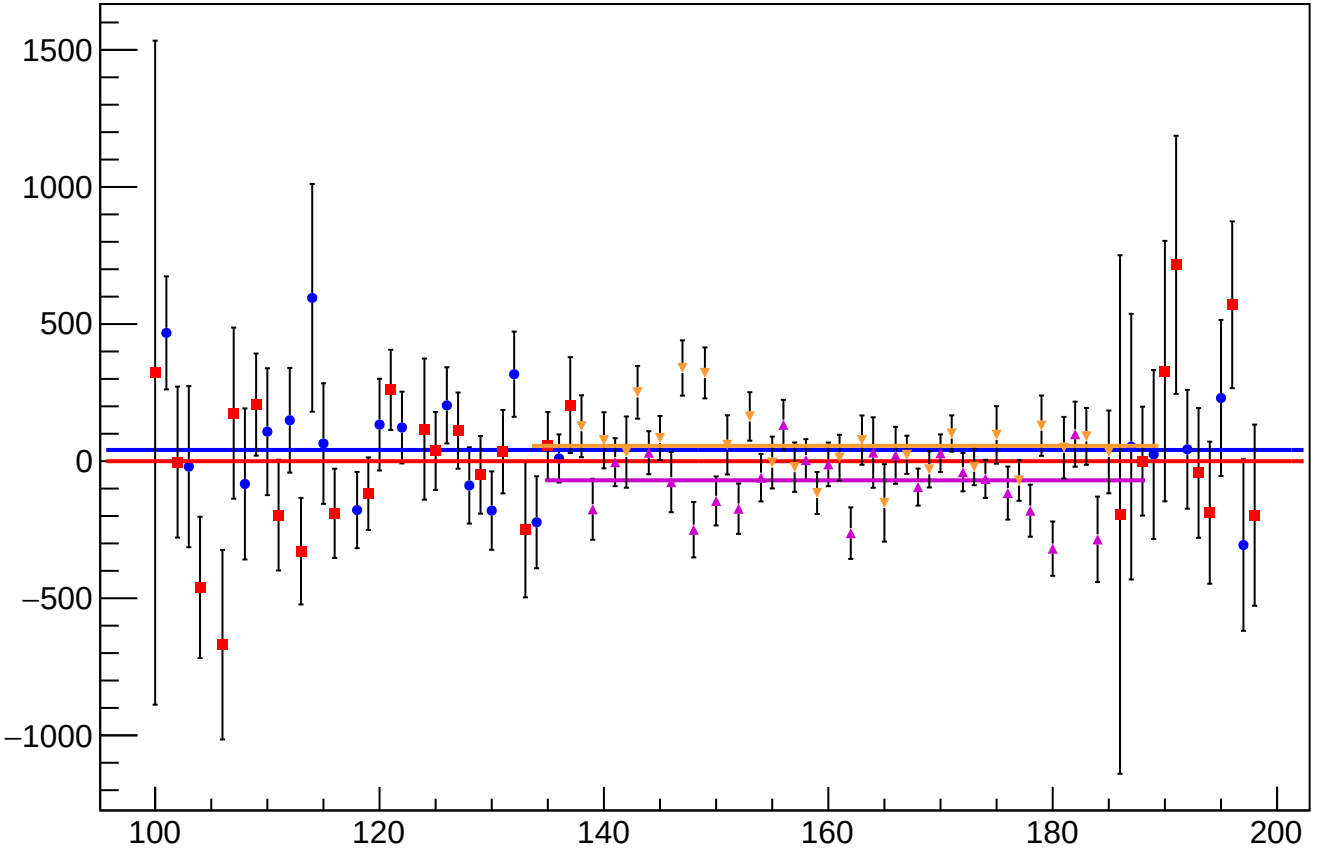
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 528.132+/-0.076 χ^2/NDF: 11758508.2/45

All: 532.646+/-0.054 χ^2/NDF: 25902772.8/95

- sign 537.347+/-0.078 χ^2/NDF: 14137118.4/49

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 40.881+/-38.199 χ^2/NDF: 22.0/20

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -0.096+/-38.312 χ^2/NDF: 28.7/26

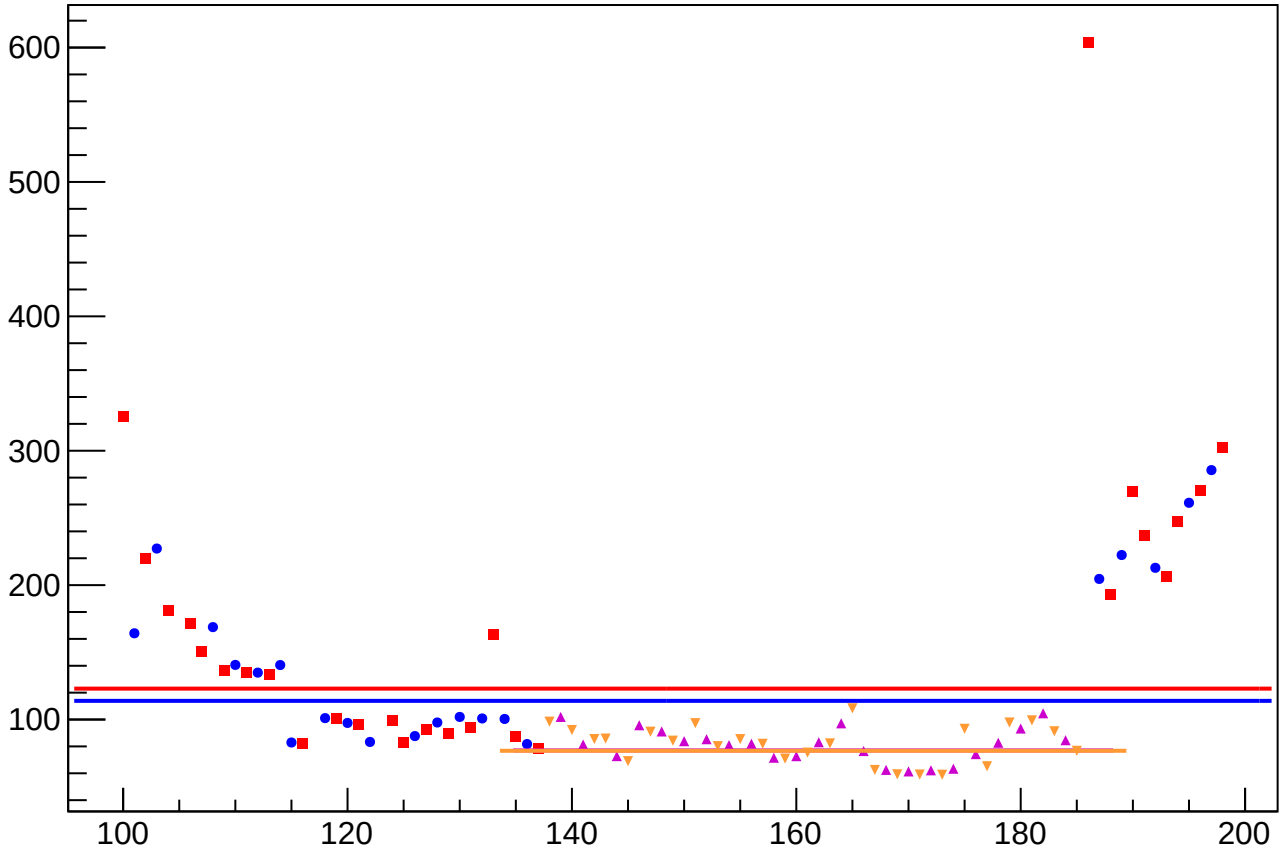
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.223+/-16.245 χ^2/NDF: 60.4/45

All: -0.343+/-11.630 χ^2/NDF: 148.6/95

- sign -56.659+/-16.657 χ^2/NDF: 65.9/49

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 113.894+/-0.027 χ^2/NDF: 3024323.6/20

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

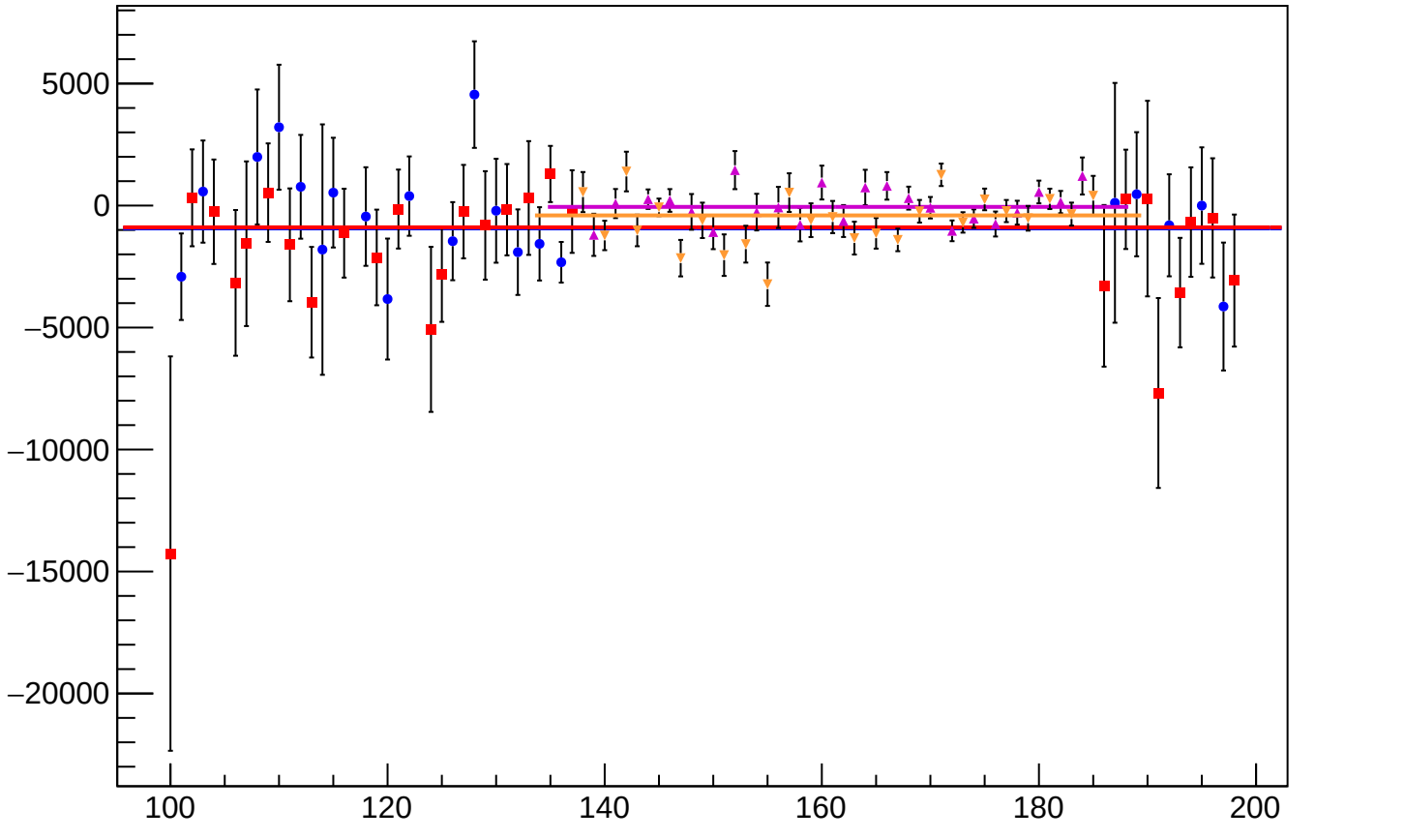
Right Out: 123.001+/-0.027 χ^2/NDF: 4379478.5/26

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 83.463+/-0.011 χ^2/NDF: 5808529.0/45

All: 84.559+/-0.008 χ^2/NDF: 13401997.1/95

- sign 85.710+/-0.012 χ^2/NDF: 7574812.2/49



Right In: -935.082+/-413.529 χ^2/NDF: 20.5/20

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -891.519+/-414.424 χ^2/NDF: 19.8/26

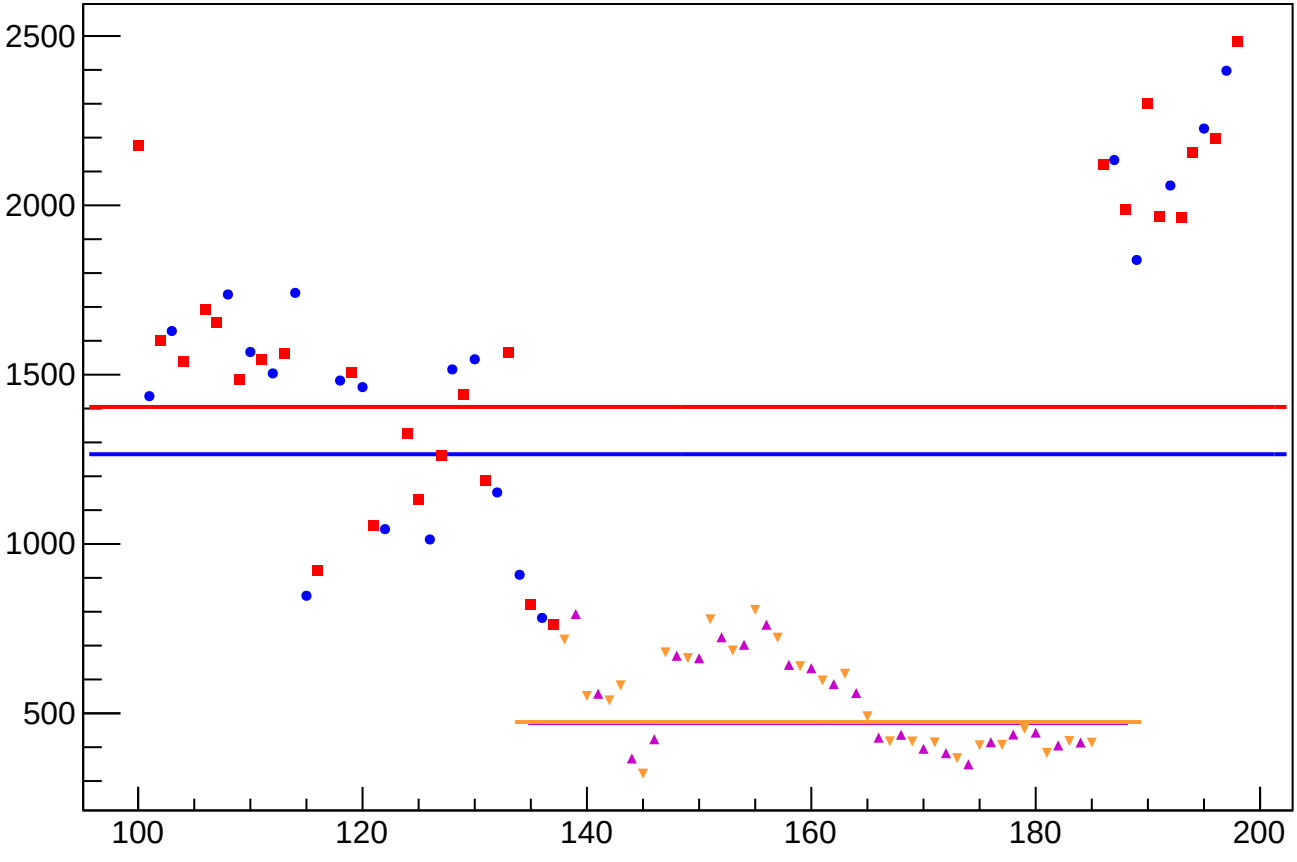
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -439.575+/-107.901 χ^2/NDF: 82.8/45

All: -279.758+/-77.069 χ^2/NDF: 141.5/95

- sign -113.309+/-110.117 χ^2/NDF: 54.2/49

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1265.058+/-0.292 χ^2/NDF: 2404145.6/20

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1404.724+/-0.293 χ^2/NDF: 2501162.0/26

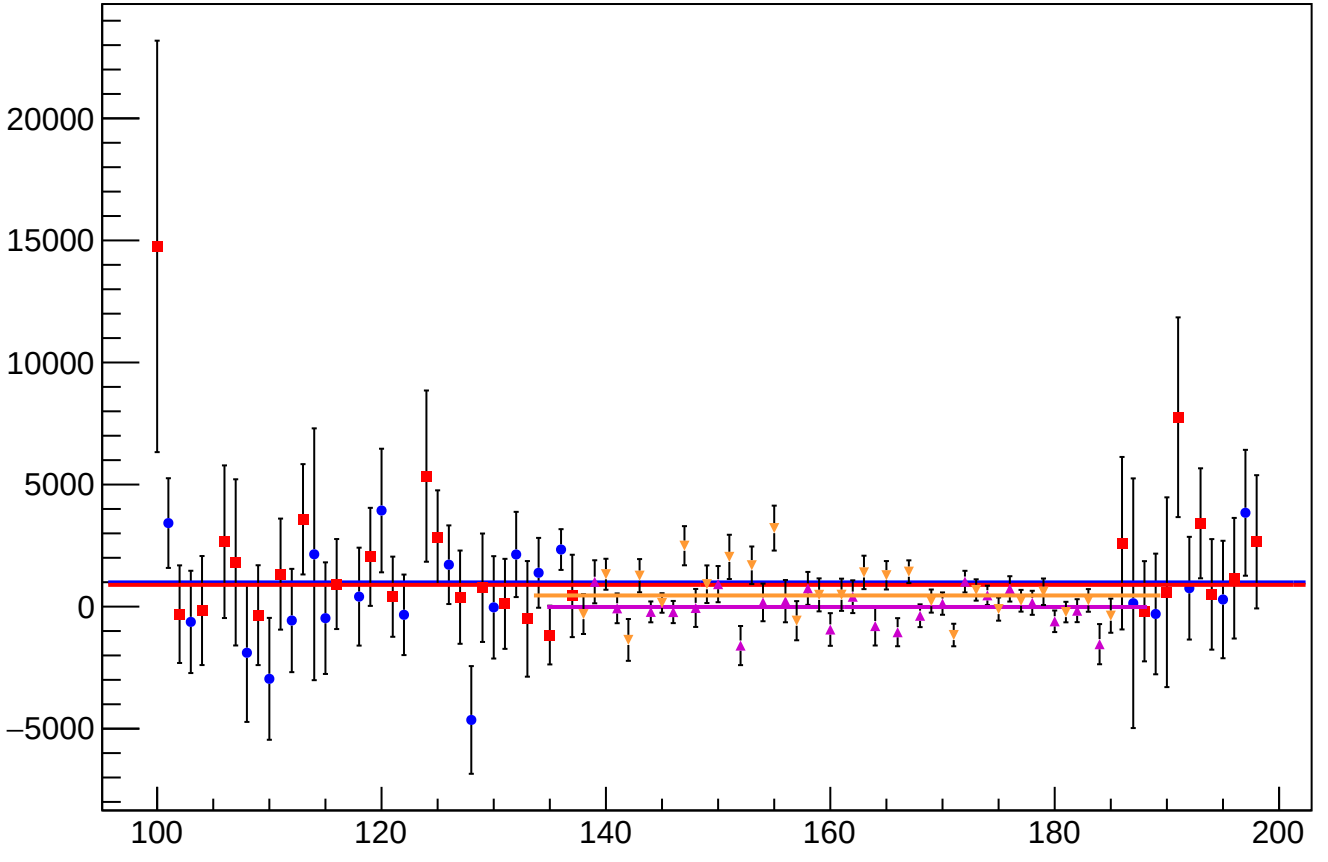
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 528.131+/-0.076 χ^2/NDF: 11758500.6/45

All: 532.645+/-0.054 χ^2/NDF: 25902746.6/95

- sign 537.347+/-0.078 χ^2/NDF: 14137099.5/49

asym_sam_3726_avg_mean vs Slug



Right In: 991.374+/-413.266 χ^2/NDF: 20.7/20

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 891.936+/-420.062 χ^2/NDF: 17.2/26

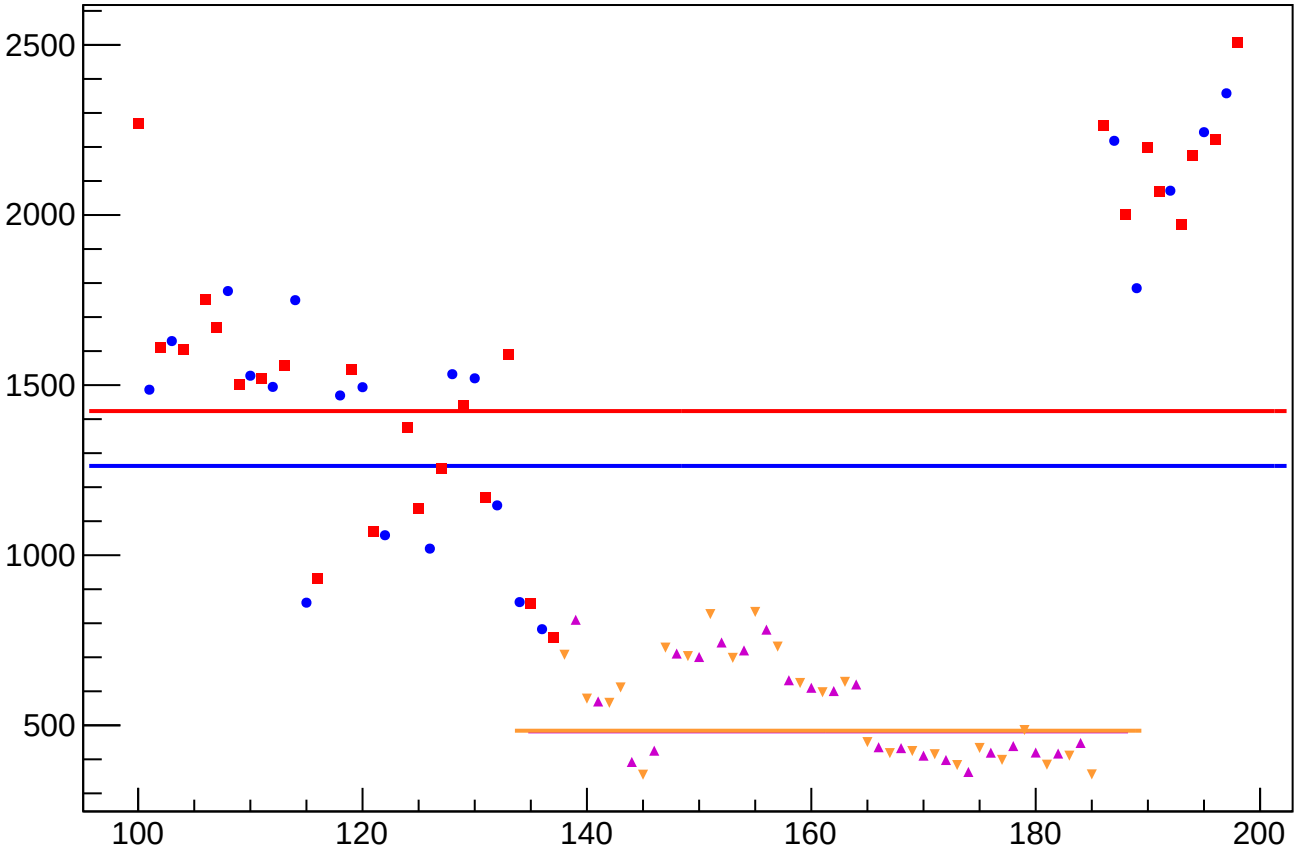
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

\+ sign 495.270+/-110.210 χ^2/NDF: 81.6/45

All: 277.050+/-78.708 χ^2/NDF: 141.4/95

\- sign 49.901+/-112.442 χ^2/NDF: 51.8/49

asym_sam_3726_avg_rms vs Slug



Right In: 1262.460+/-0.292 χ^2/NDF: 2432504.2/20

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

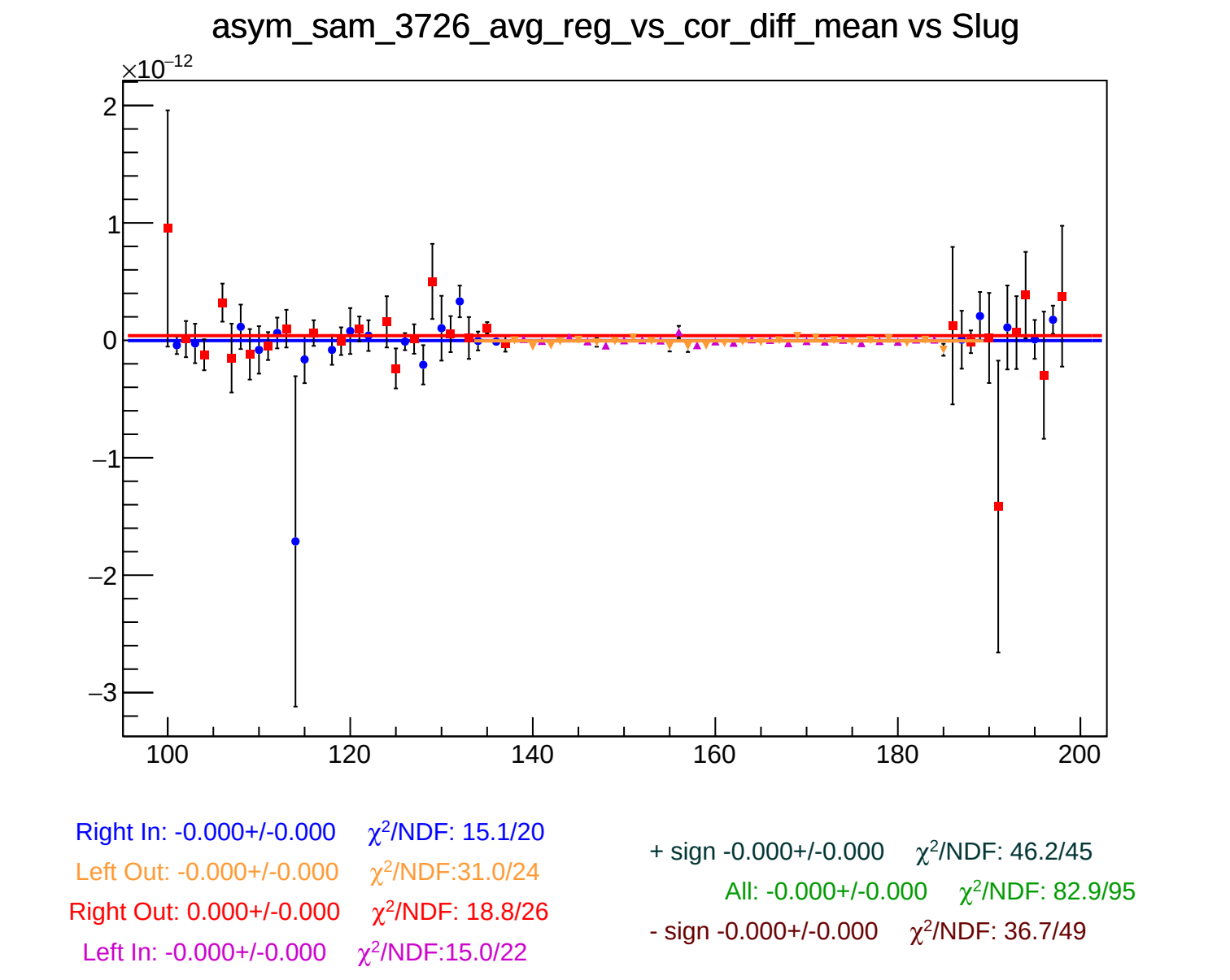
Right Out: 1423.690+/-0.297 χ^2/NDF: 2462921.9/26

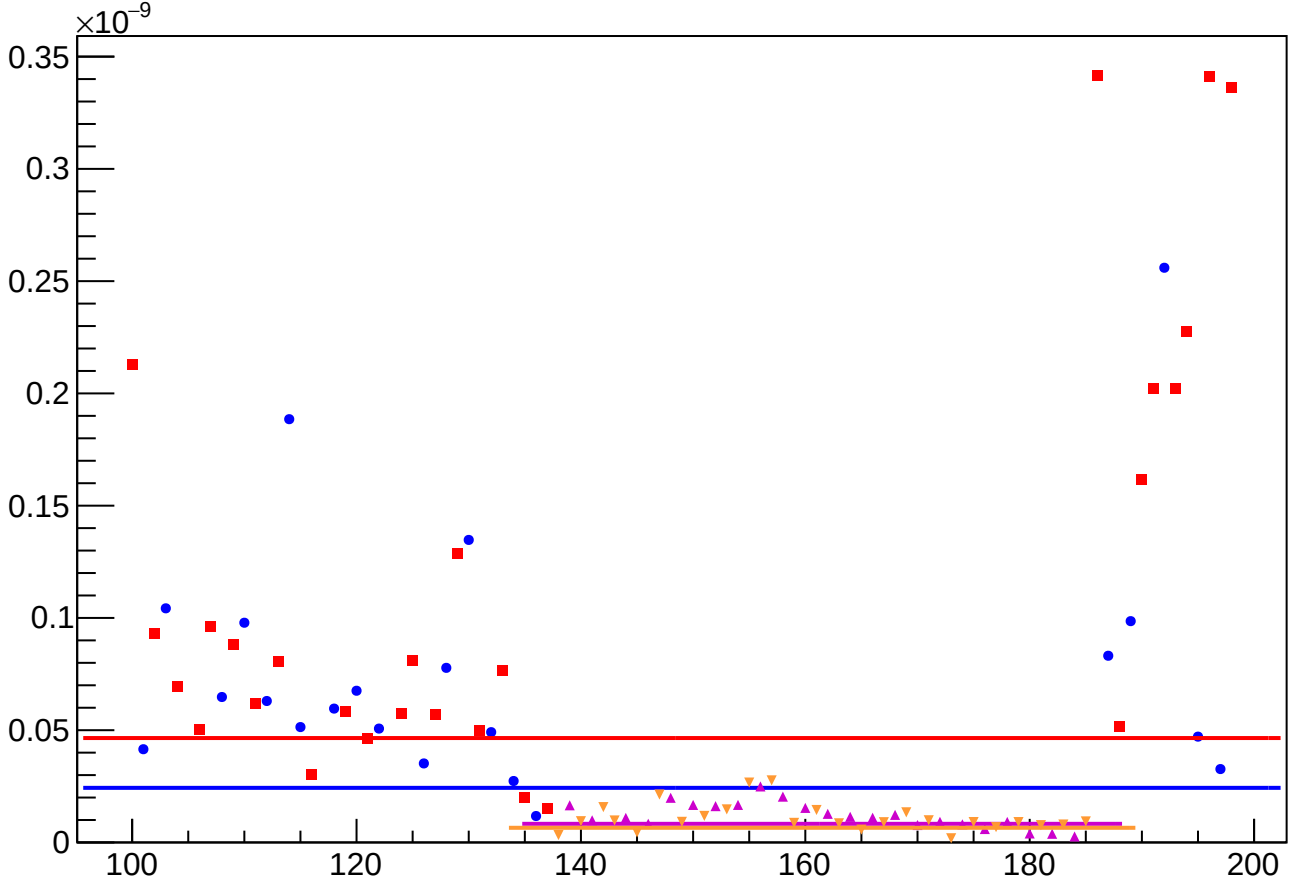
Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 539.482+/-0.078 χ^2/NDF: 11570603.2/45

All: 544.451+/-0.056 χ^2/NDF: 25556383.9/95

- sign 549.623+/-0.080 χ^2/NDF: 13977483.7/49


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 15.1/20
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/26
Left In: -0.000+/-0.000 χ²/NDF:15.0/22
+ sign -0.000+/-0.000 χ²/NDF: 46.2/45
All: -0.000+/-0.000 χ²/NDF: 82.9/95
- sign -0.000+/-0.000 χ²/NDF: 36.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 4135889.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4570624.8/26

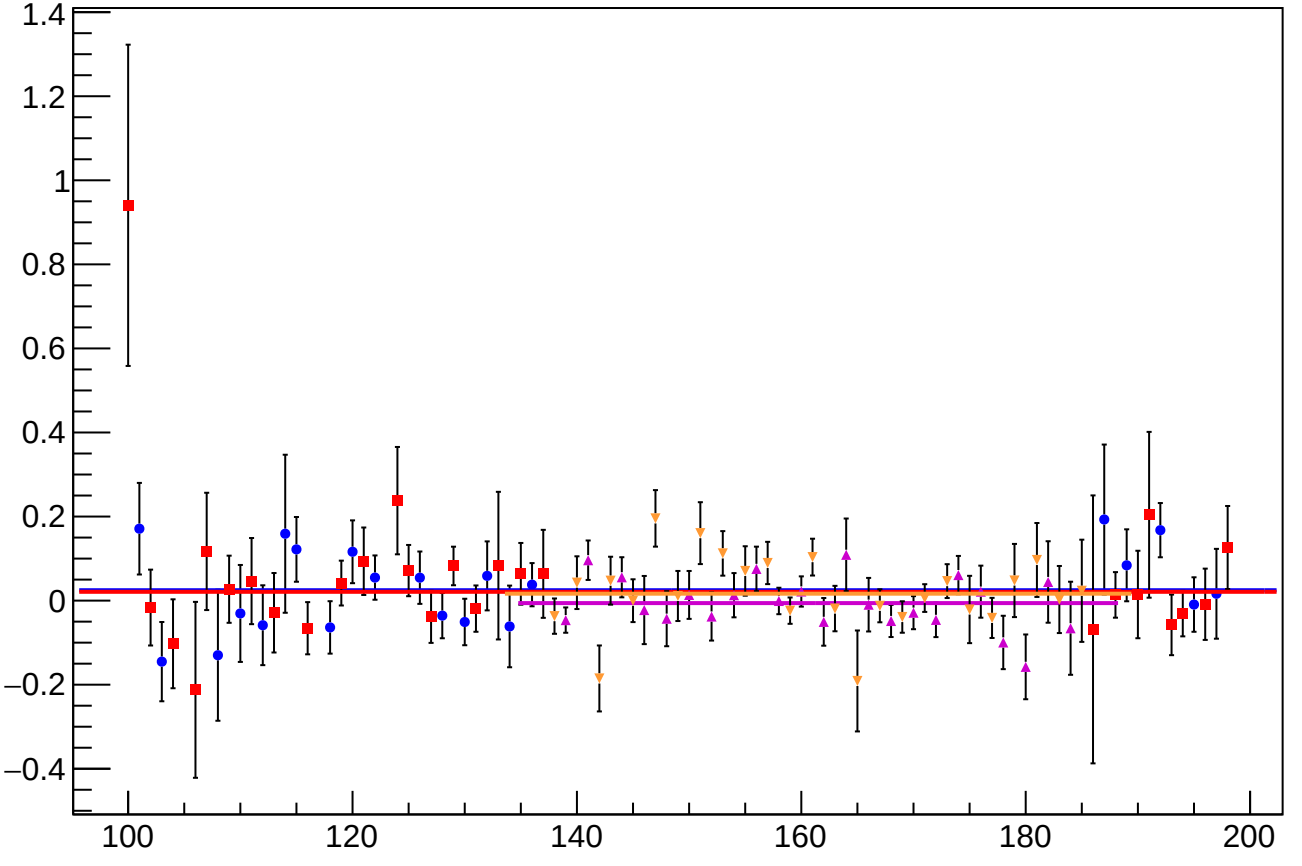
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9999444.4/45

All: 0.000+/-0.000 χ^2/NDF: 22001935.6/95

- sign 0.000+/-0.000 χ^2/NDF: 11671813.8/49

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.016 χ^2/NDF: 23.9/20

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.021+/-0.015 χ^2/NDF: 24.1/26

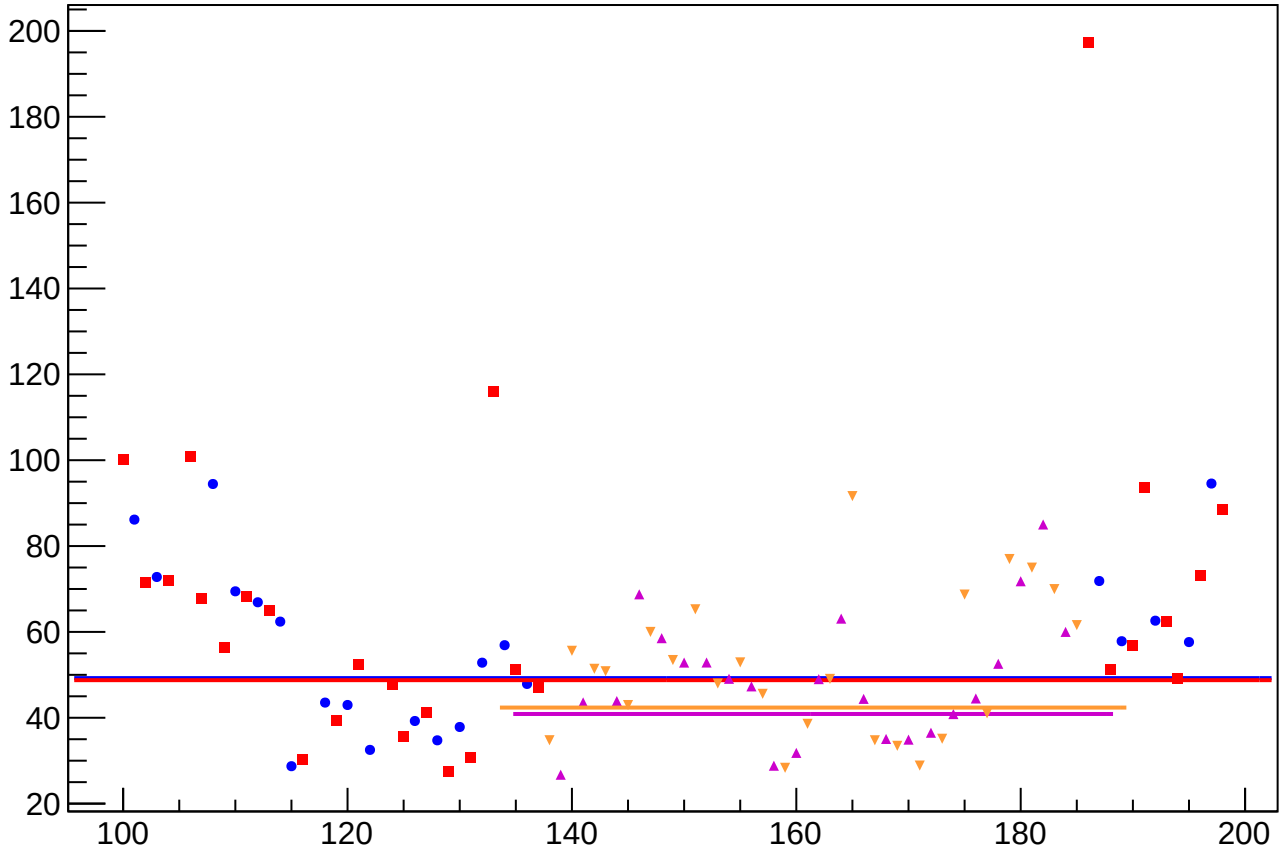
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/45

All: 0.010+/-0.006 χ^2/NDF: 119.1/95

- sign 0.003+/-0.009 χ^2/NDF: 52.2/49

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.237+/-0.012 χ^2/NDF: 1867702.0/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 48.759+/-0.011 χ^2/NDF: 2992916.7/26

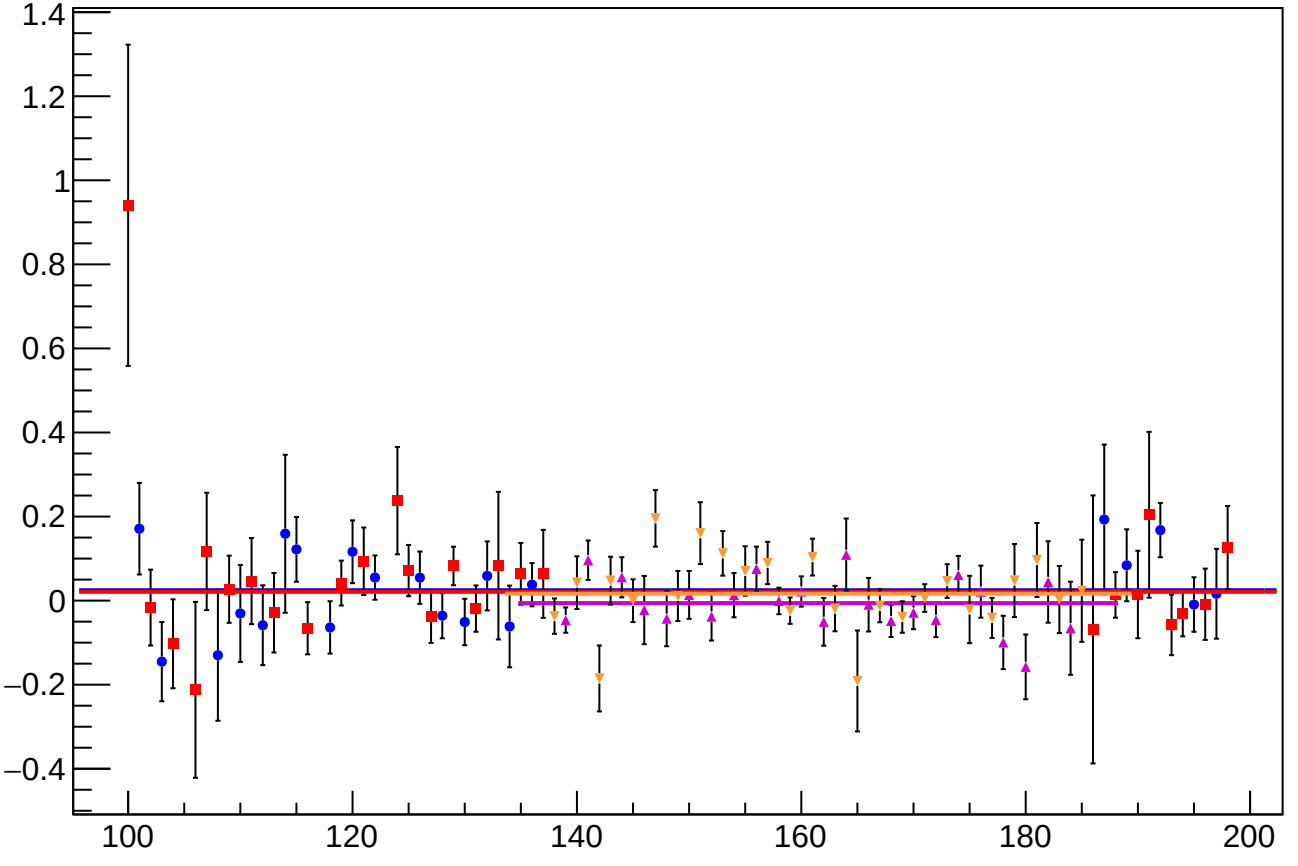
Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.327+/-0.006 χ^2/NDF: 5308955.9/45

All: 43.835+/-0.004 χ^2/NDF: 11363593.8/95

- sign 43.370+/-0.006 χ^2/NDF: 6042337.3/49

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.025+/-0.016 χ^2/NDF: 23.9/20

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.021+/-0.015 χ^2/NDF: 24.1/26

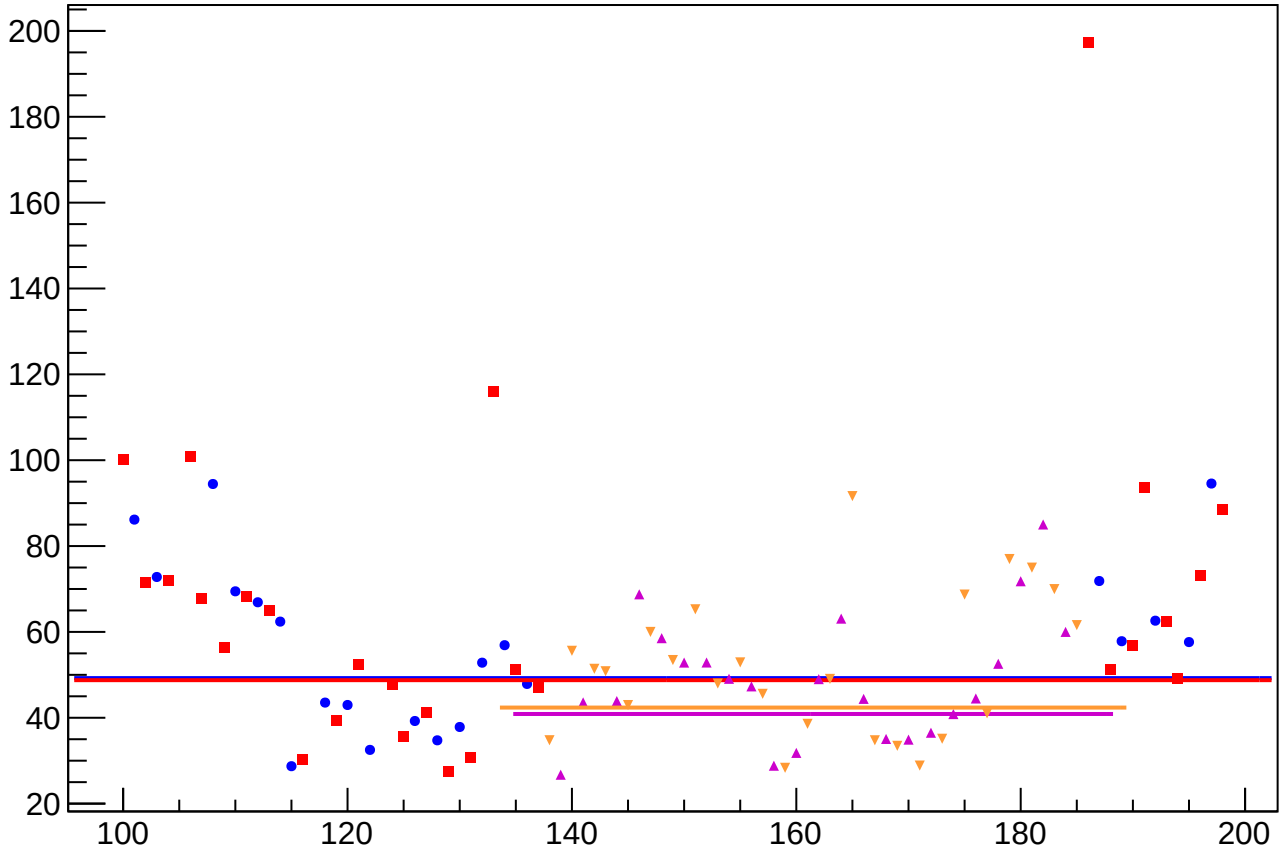
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/45

All: 0.010+/-0.006 χ^2/NDF: 119.1/95

- sign 0.003+/-0.009 χ^2/NDF: 52.2/49

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.237+/-0.012 χ^2/NDF: 1867702.0/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

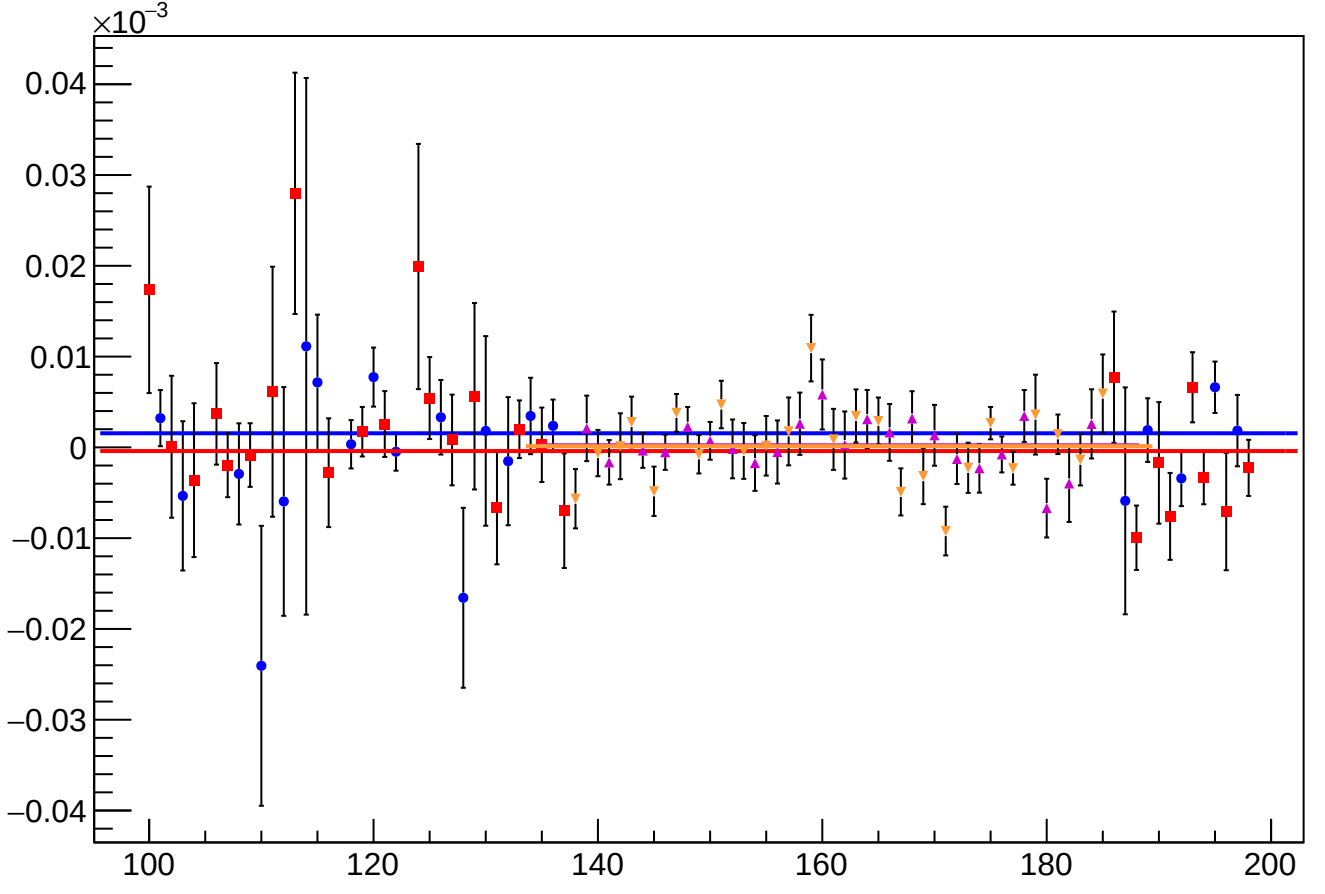
Right Out: 48.759+/-0.011 χ^2/NDF: 2992916.7/26

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.327+/-0.006 χ^2/NDF: 5308955.9/45

All: 43.835+/-0.004 χ^2/NDF: 11363593.8/95

- sign 43.370+/-0.006 χ^2/NDF: 6042337.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

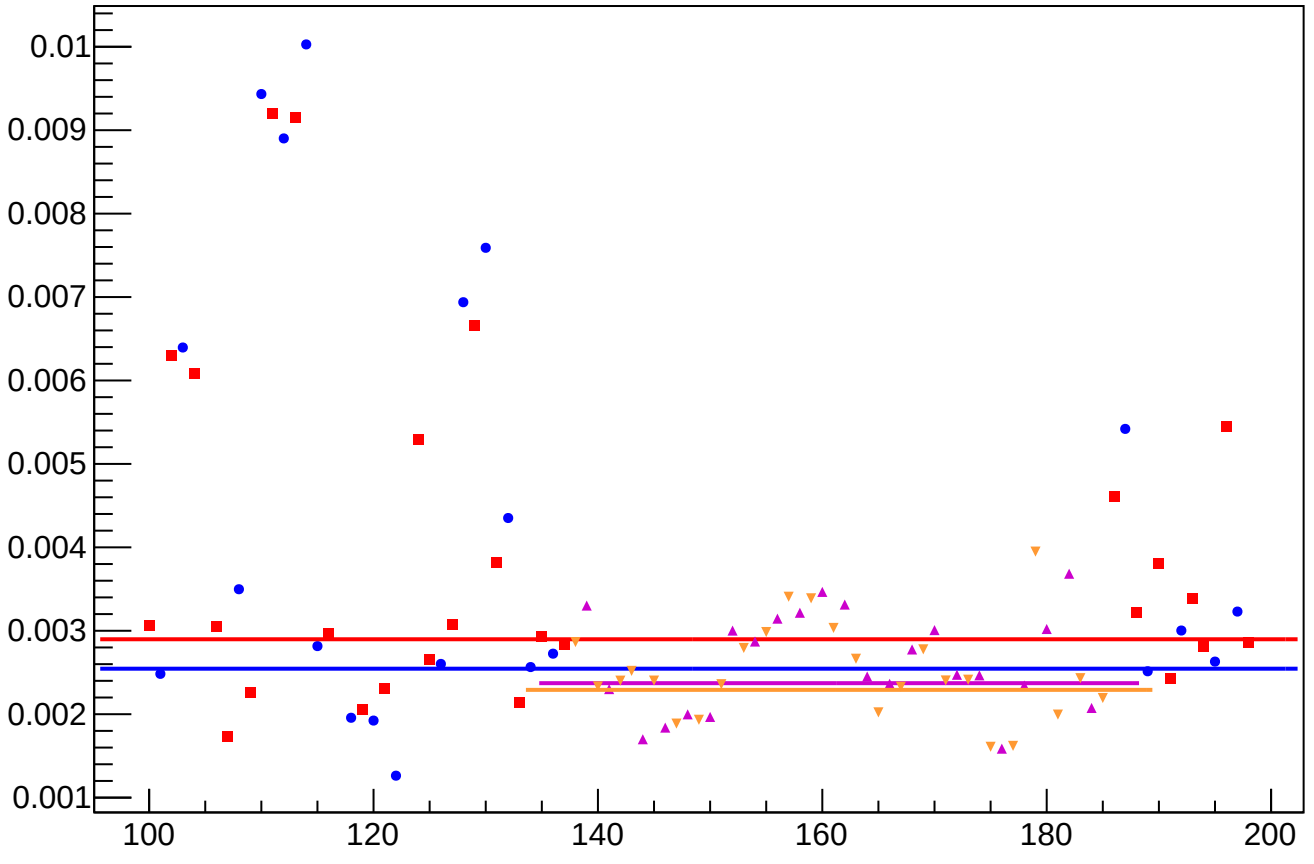
Right Out: -0.000+/-0.000 χ^2/NDF: 33.1/26

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.3/45

All: 0.000+/-0.000 χ^2/NDF: 122.1/95

- sign 0.000+/-0.000 χ^2/NDF: 49.3/49



Right In: 0.003+/-0.000 χ^2/NDF: 3676305.2/20

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

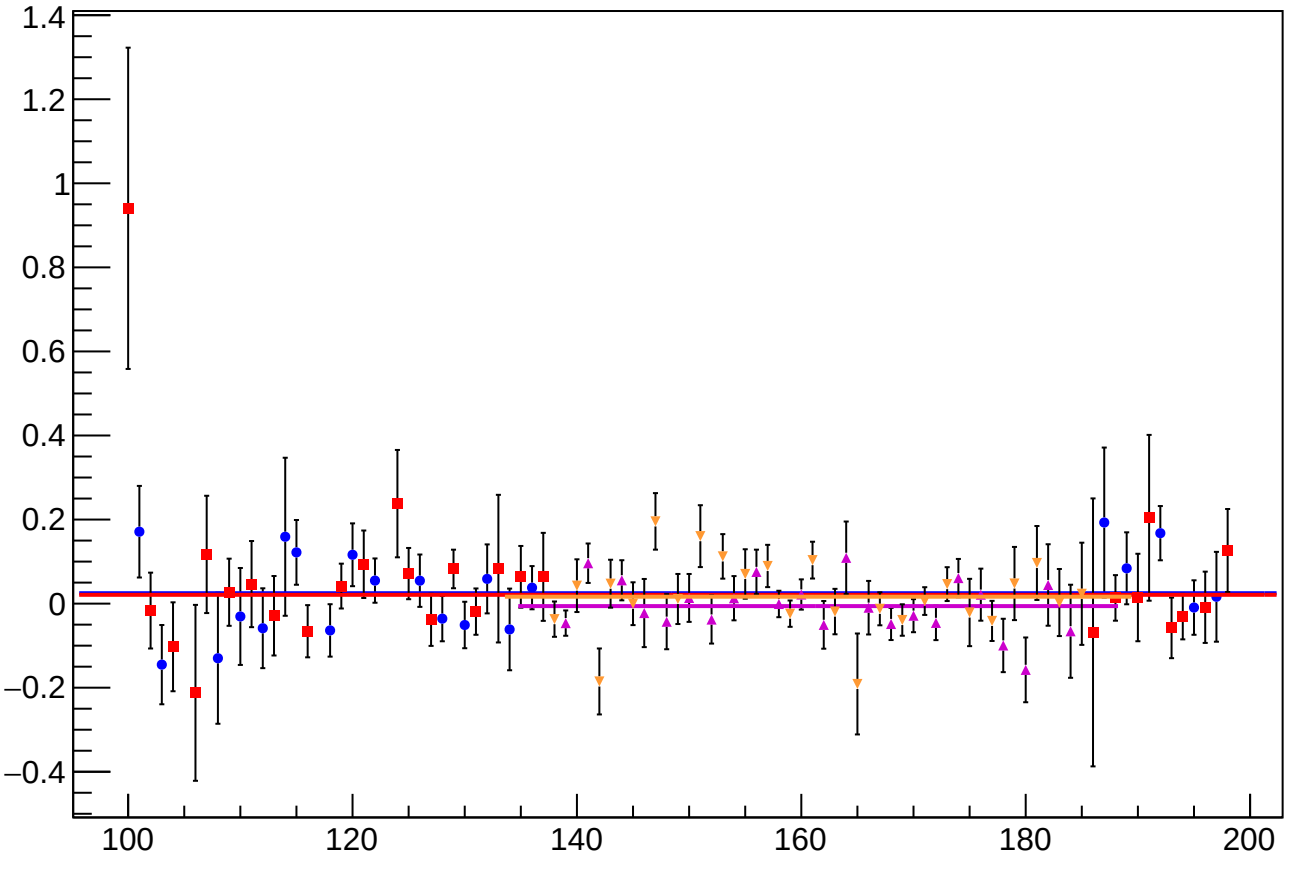
Right Out: 0.003+/-0.000 χ^2/NDF: 3082042.5/26

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5617314.2/45

All: 0.002+/-0.000 χ^2/NDF: 11341056.4/95

- sign 0.003+/-0.000 χ^2/NDF: 5597141.6/49



Right In: 0.025+/-0.016 χ^2/NDF: 23.9/20

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.021+/-0.015 χ^2/NDF: 24.1/26

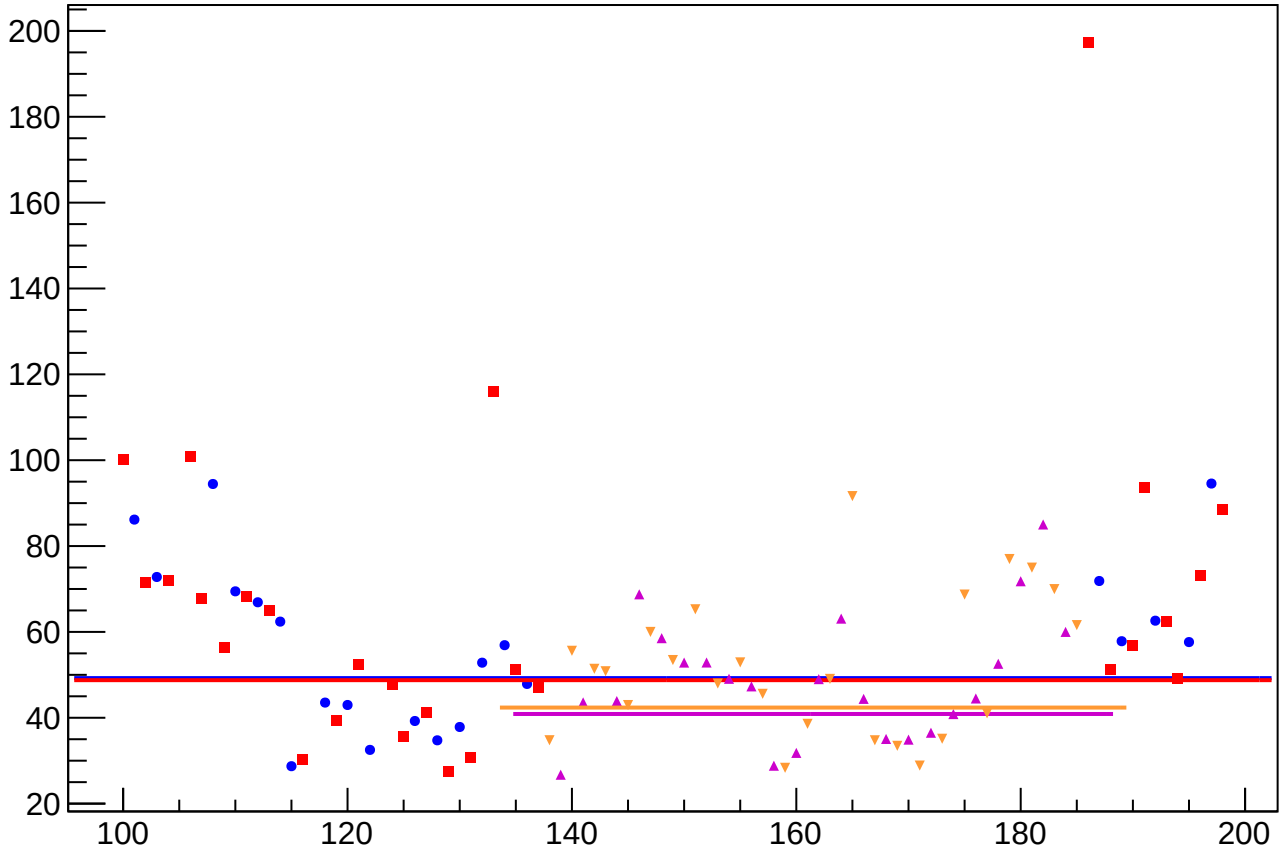
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/45

All: 0.010+/-0.006 χ^2/NDF: 119.1/95

- sign 0.003+/-0.009 χ^2/NDF: 52.2/49

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.237+/-0.012 χ^2/NDF: 1867644.3/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

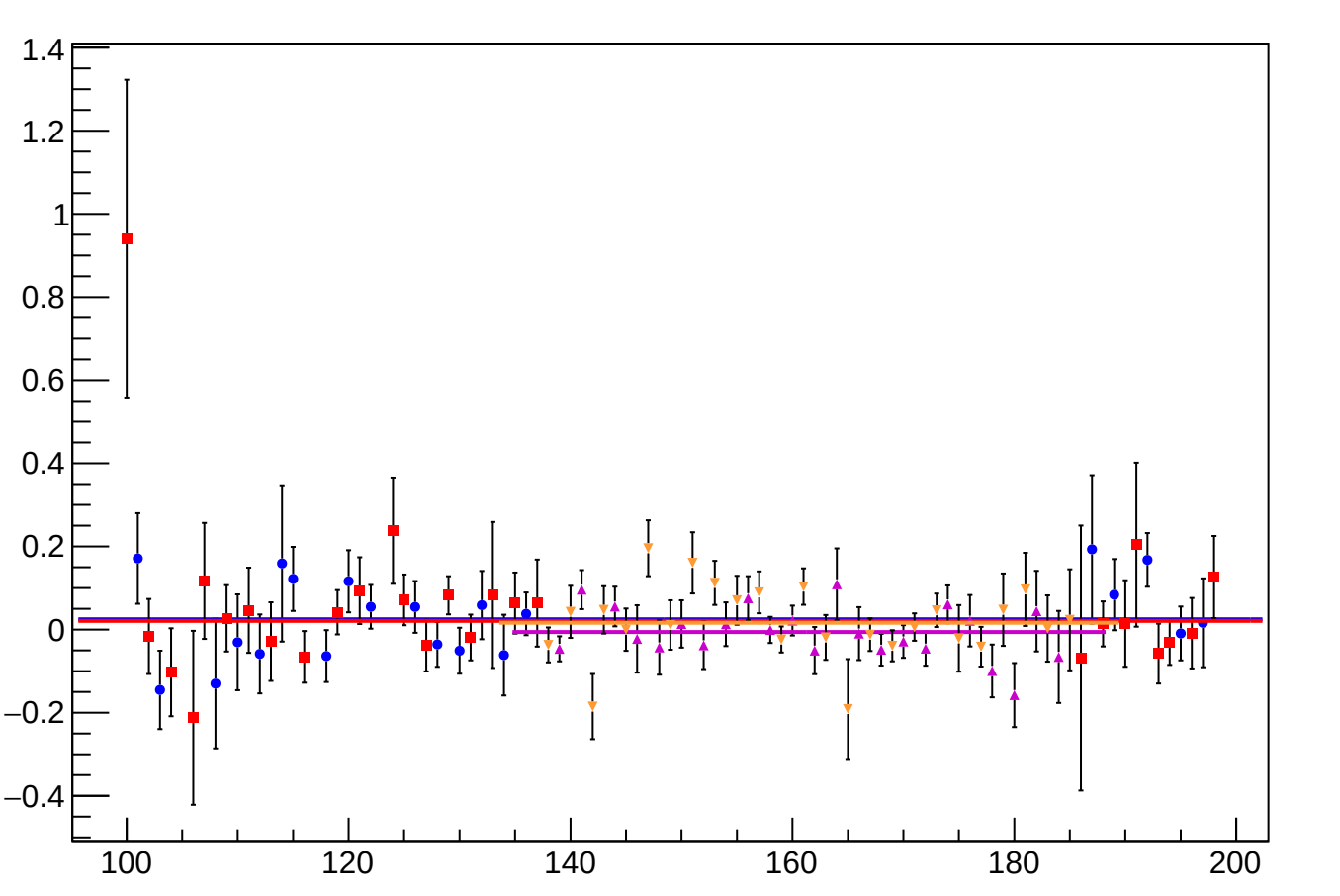
Right Out: 48.759+/-0.011 χ^2/NDF: 2992797.6/26

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.328+/-0.006 χ^2/NDF: 5308901.6/45

All: 43.835+/-0.004 χ^2/NDF: 11363424.5/95

- sign 43.371+/-0.006 χ^2/NDF: 6042225.3/49



Right In: 0.025+/-0.016 χ^2/NDF: 23.9/20

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

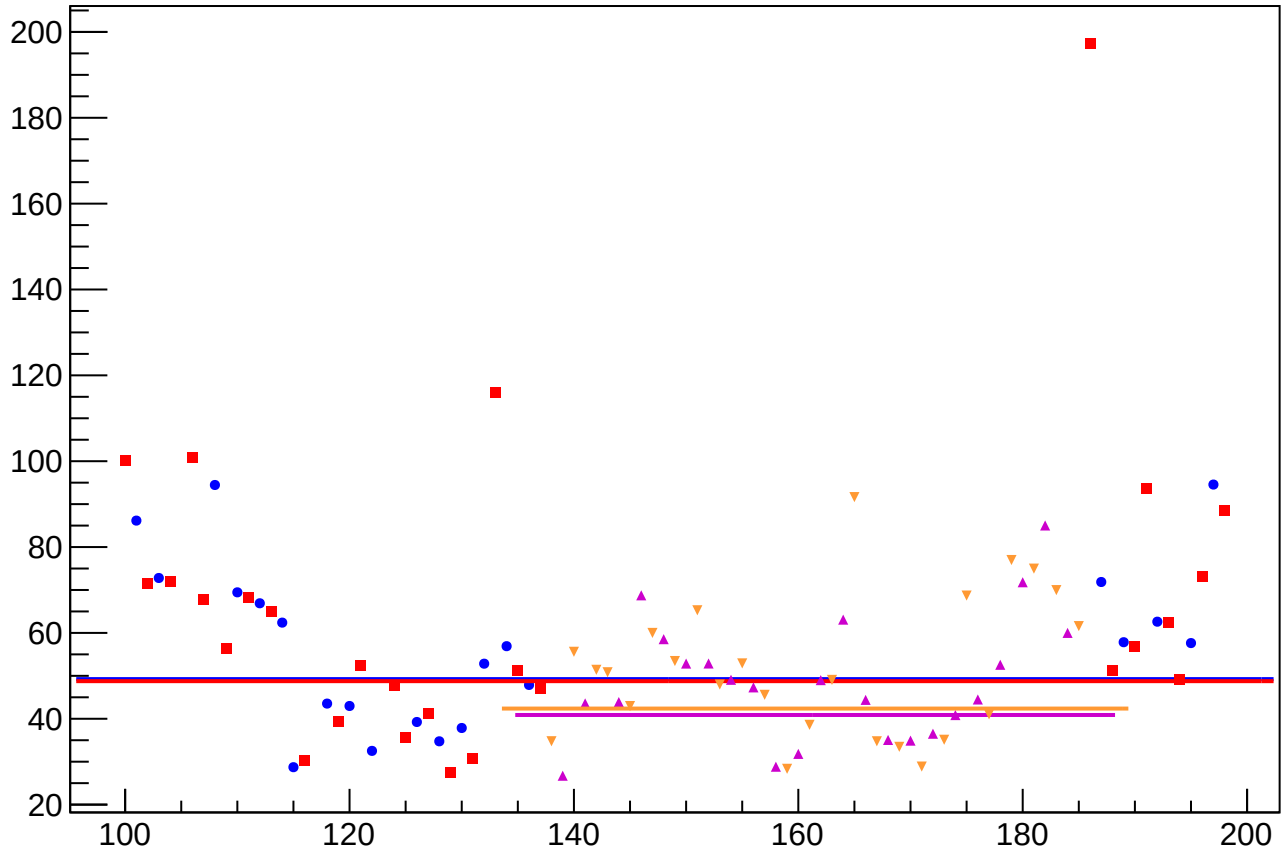
Right Out: 0.021+/-0.015 χ^2/NDF: 24.1/26

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/45

All: 0.010+/-0.006 χ^2/NDF: 119.1/95

- sign 0.003+/-0.009 χ^2/NDF: 52.2/49



Right In: 49.237+/-0.012 χ^2/NDF: 1867644.3/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

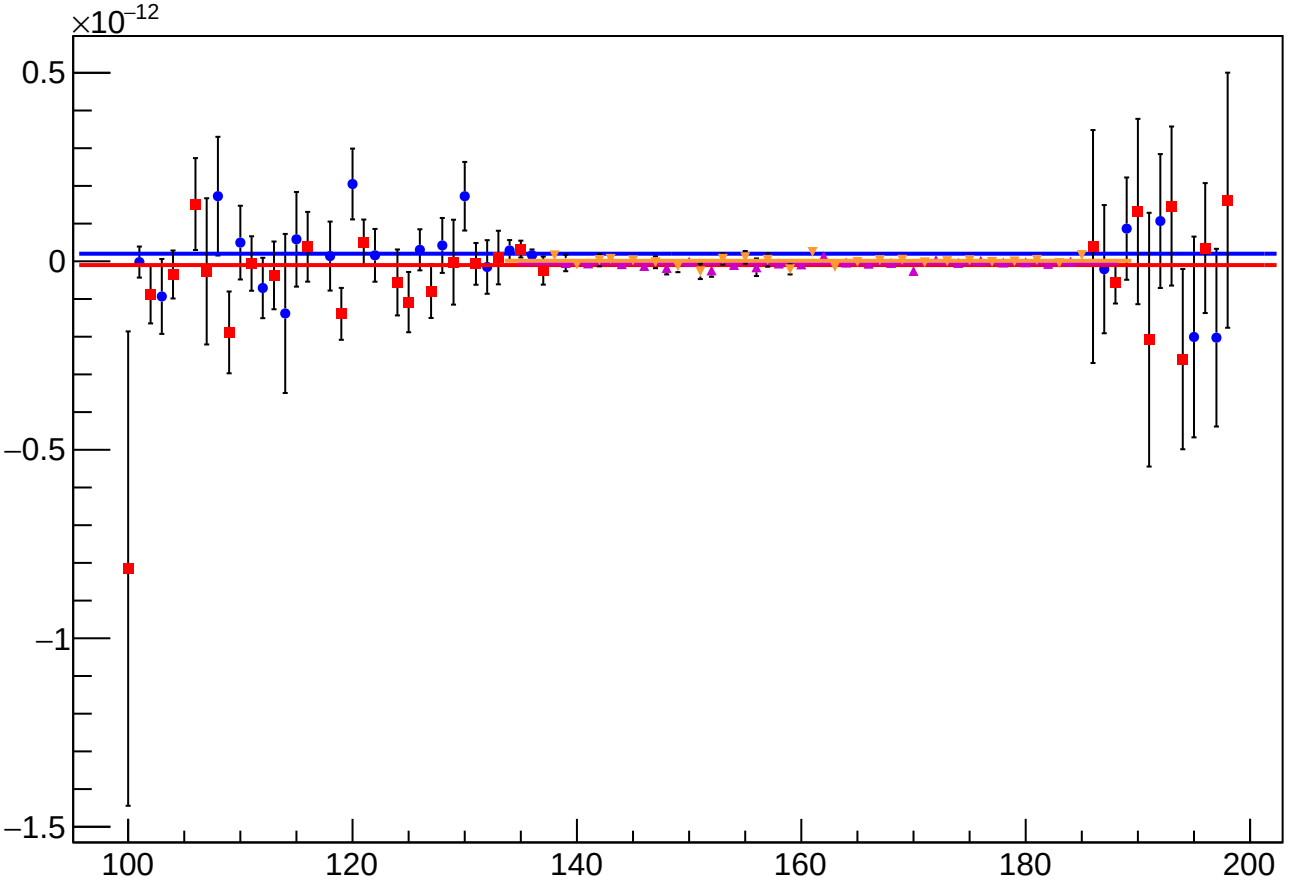
Right Out: 48.759+/-0.011 χ^2/NDF: 2992797.6/26

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.328+/-0.006 χ^2/NDF: 5308901.6/45

All: 43.835+/-0.004 χ^2/NDF: 11363424.5/95

- sign 43.371+/-0.006 χ^2/NDF: 6042225.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

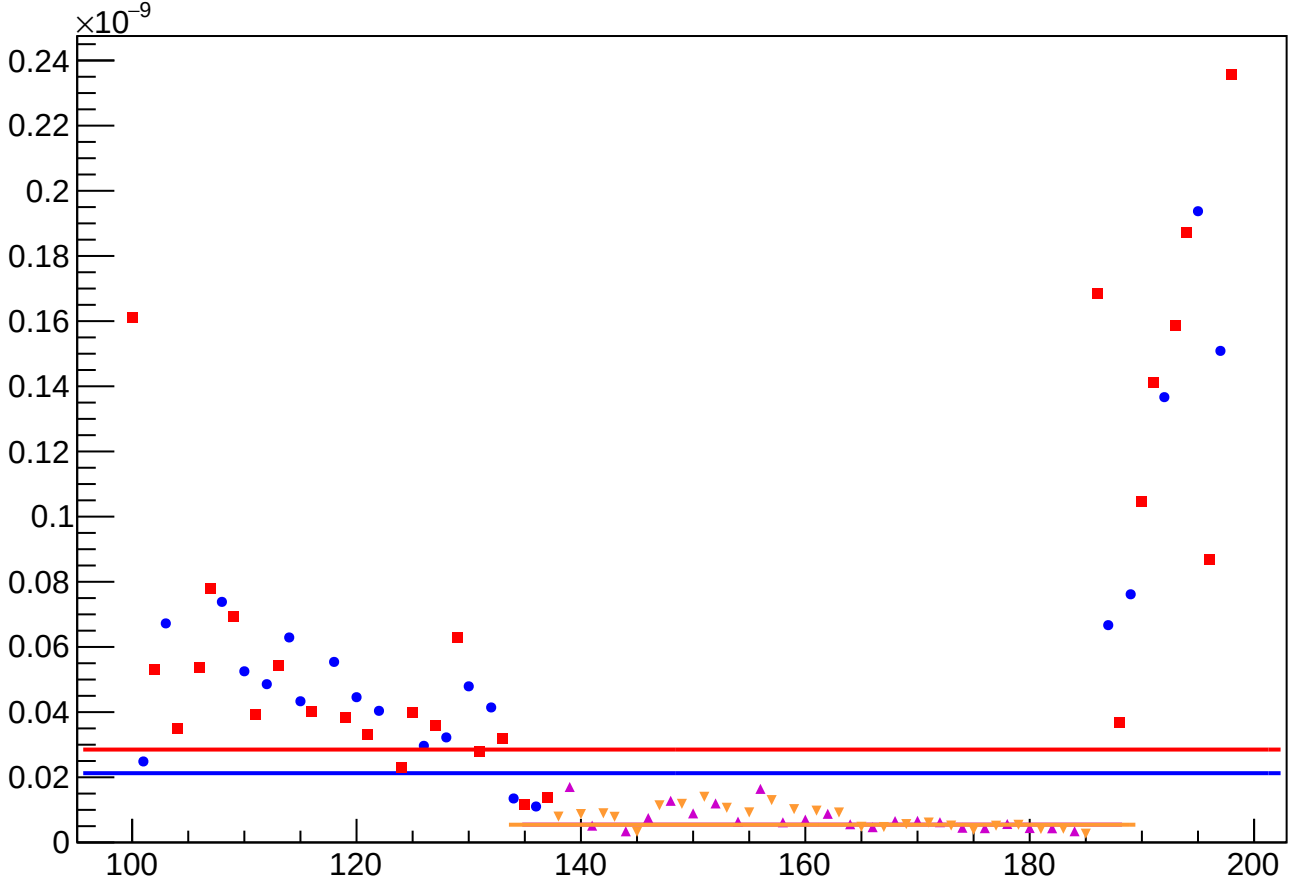
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/26

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.4/45

All: -0.000+/-0.000 χ^2/NDF: 80.1/95

- sign -0.000+/-0.000 χ^2/NDF: 35.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 6042003.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6293418.1/26

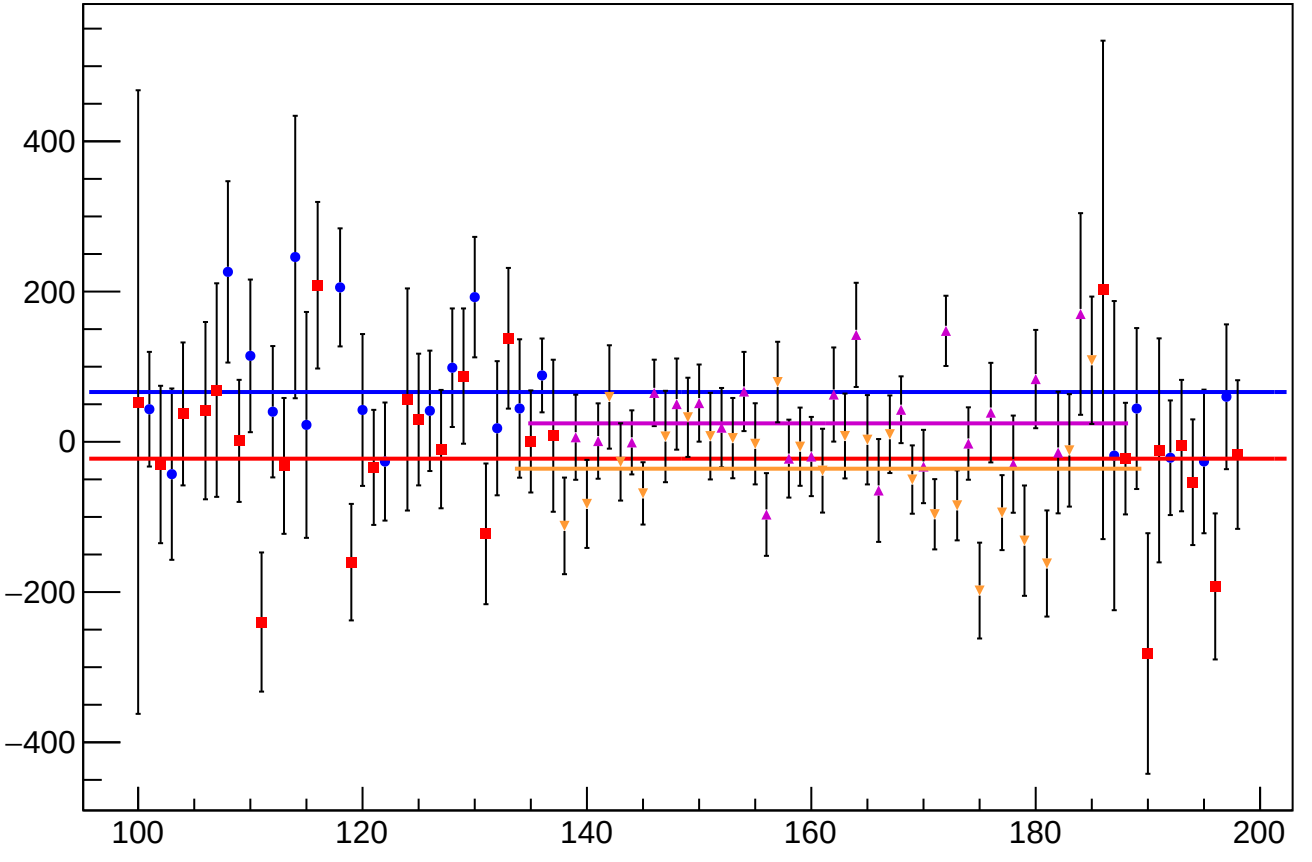
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

\+ sign 0.000+/-0.000 χ^2/NDF: 13813059.7/45

All: 0.000+/-0.000 χ^2/NDF: 28923706.6/95

\- sign 0.000+/-0.000 χ^2/NDF: 15108834.6/49

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 66.280+/-19.360 χ^2/NDF: 14.4/20

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.439+/-18.583 χ^2/NDF: 27.0/26

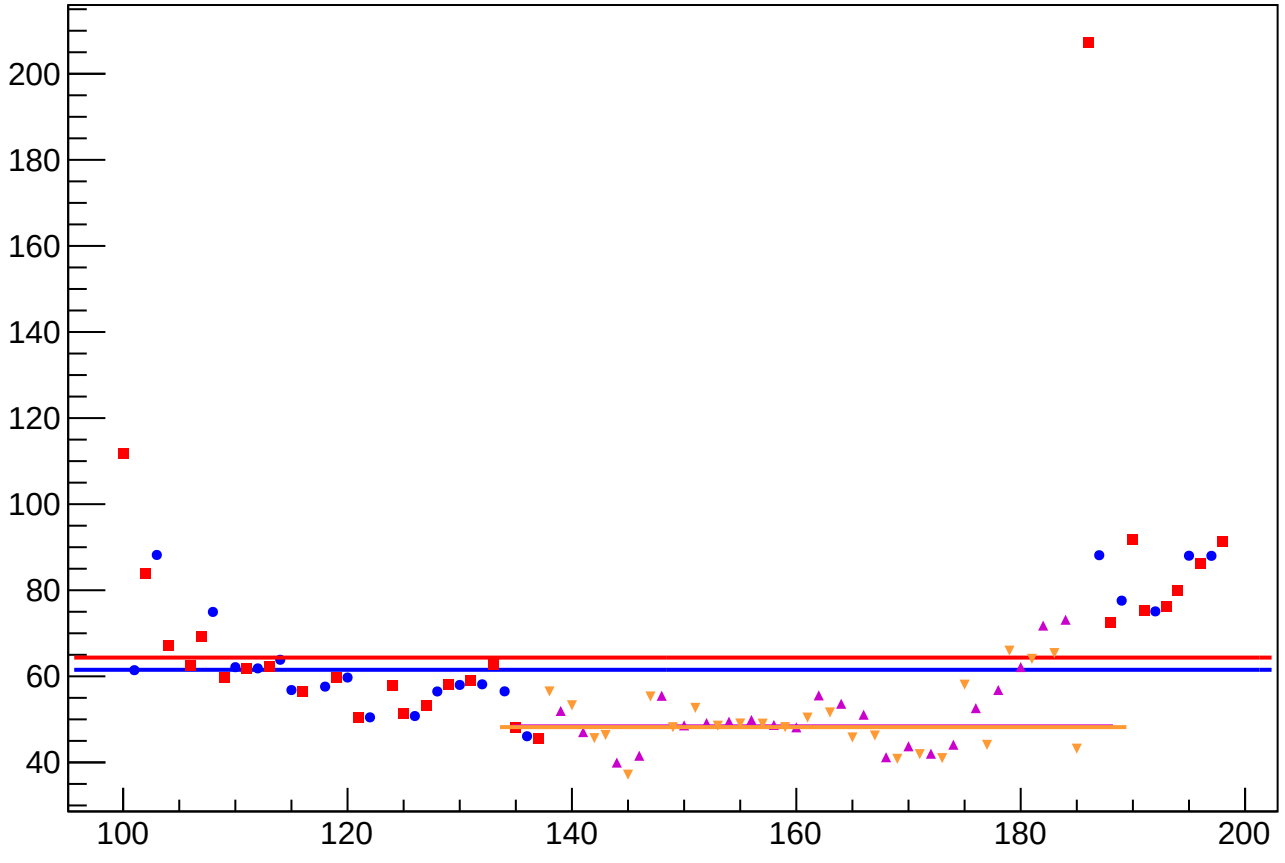
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -10.468+/-9.642 χ^2/NDF: 69.0/45

All: 0.431+/-6.860 χ^2/NDF: 129.0/95

- sign 11.601+/-9.761 χ^2/NDF: 57.4/49

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.517+/-0.014 χ^2/NDF: 882428.6/20

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.356+/-0.013 χ^2/NDF: 1299383.2/26

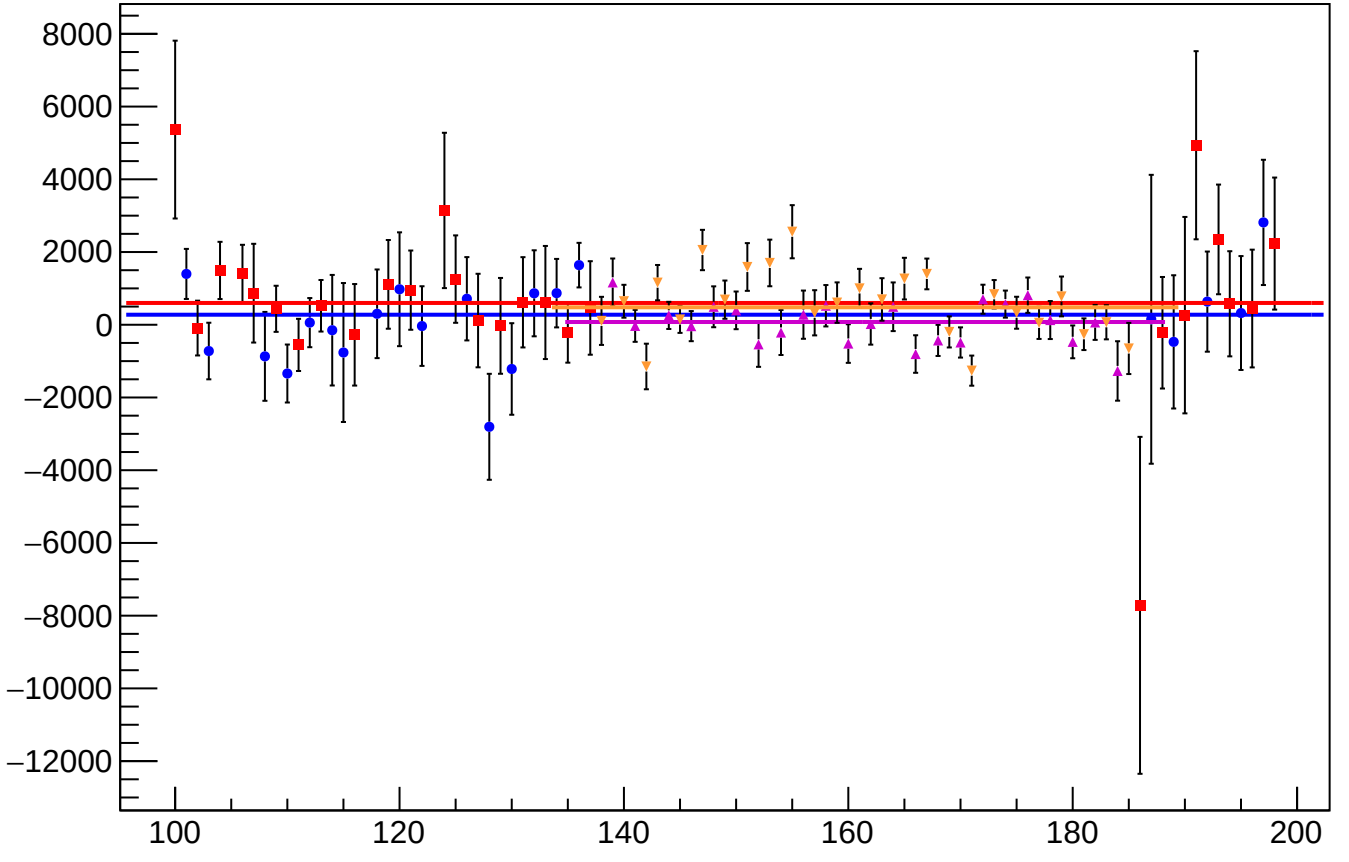
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.502+/-0.007 χ^2/NDF: 2374544.3/45

All: 52.137+/-0.005 χ^2/NDF: 5457144.9/95

- sign 52.788+/-0.007 χ^2/NDF: 3065028.3/49

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 276.054+/-230.518 χ^2/NDF: 24.1/20

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 599.527+/-214.539 χ^2/NDF: 21.9/26

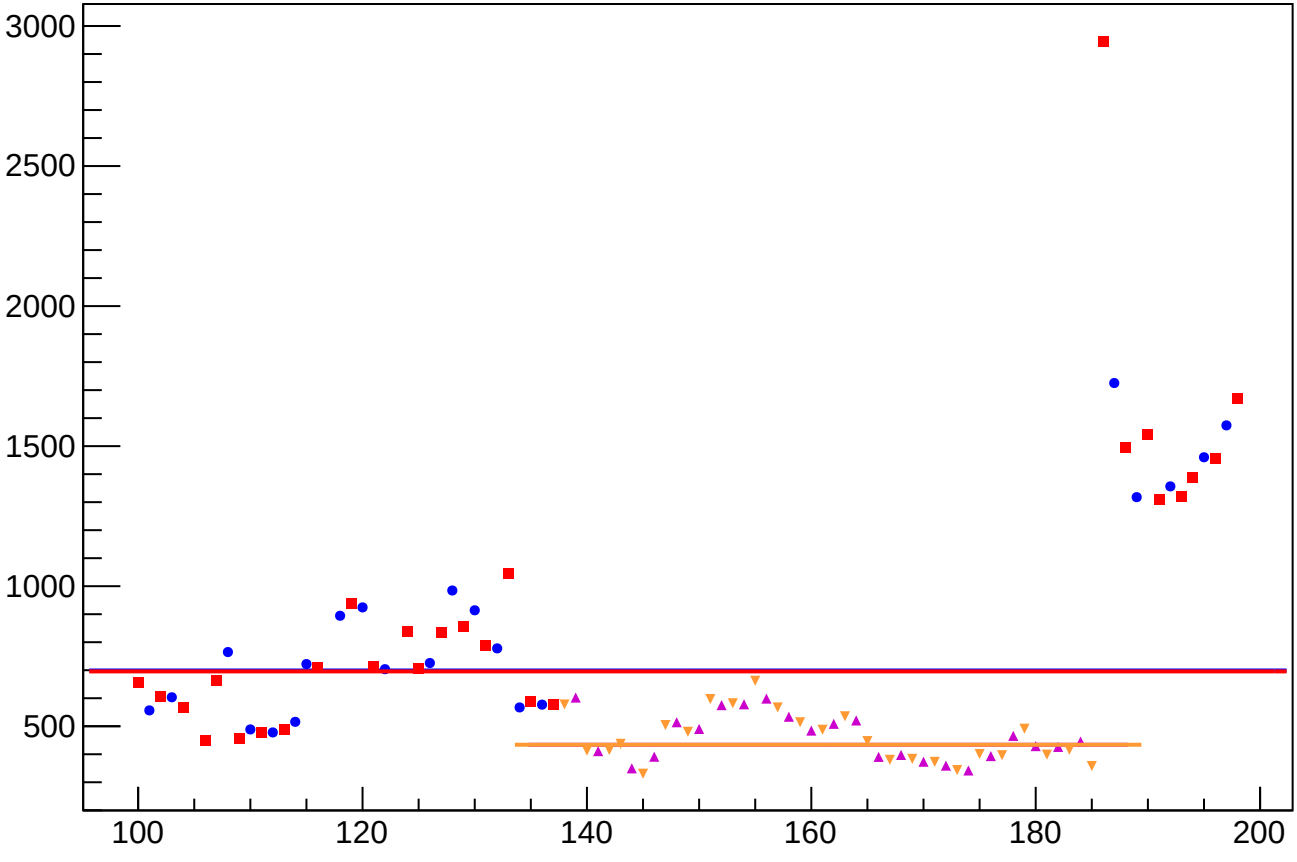
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 447.593+/-92.145 χ^2/NDF: 94.0/45

All: 311.978+/-65.438 χ^2/NDF: 149.6/95

- sign 173.990+/-92.947 χ^2/NDF: 51.2/49

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 699.012+/-0.163 χ^2/NDF: 2667244.6/20

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 695.785+/-0.152 χ^2/NDF: 4366586.7/26

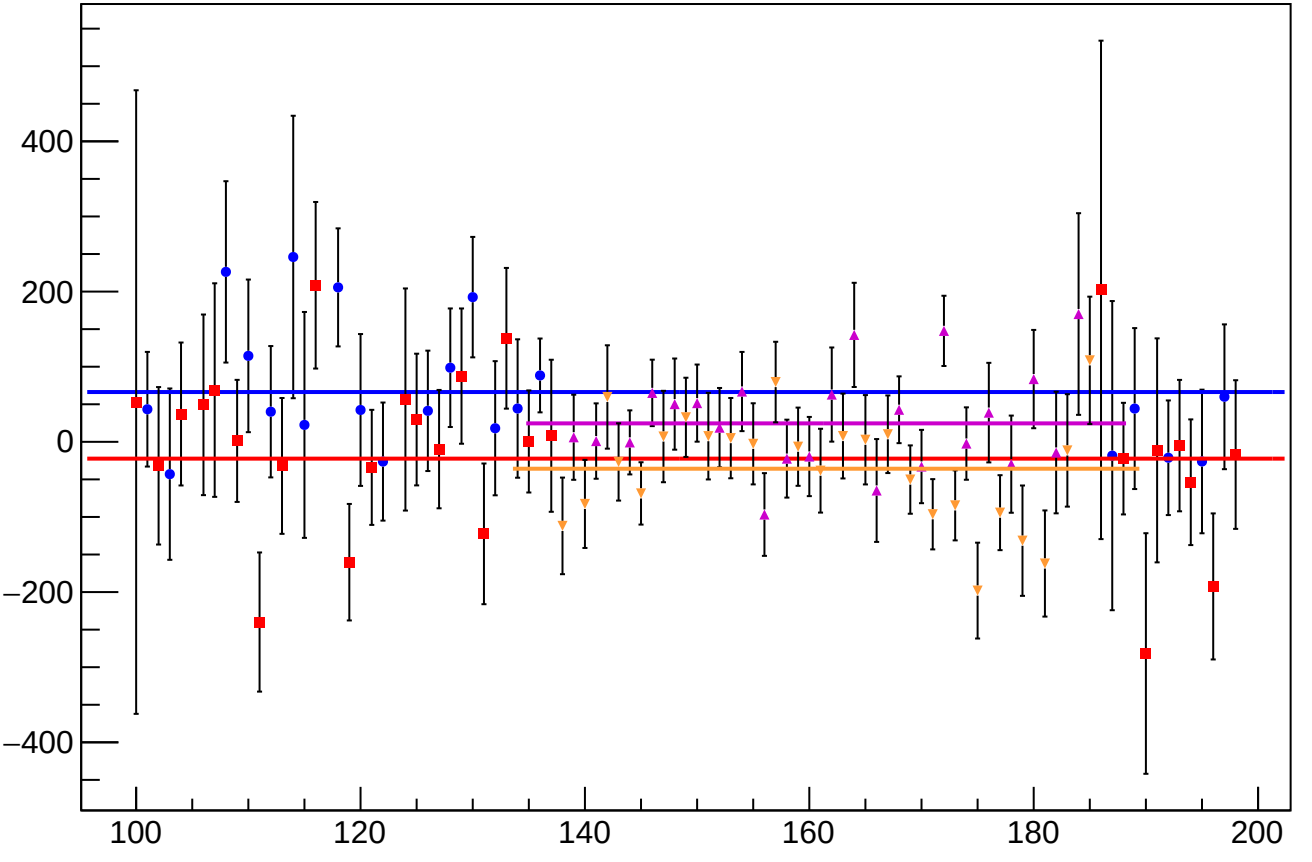
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 476.299+/-0.065 χ^2/NDF: 6132845.3/45

All: 479.576+/-0.046 χ^2/NDF: 14023394.1/95

- sign 482.910+/-0.066 χ^2/NDF: 7885445.3/49

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 66.283+/-19.360 χ^2/NDF: 14.4/20

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.368+/-18.592 χ^2/NDF: 27.1/26

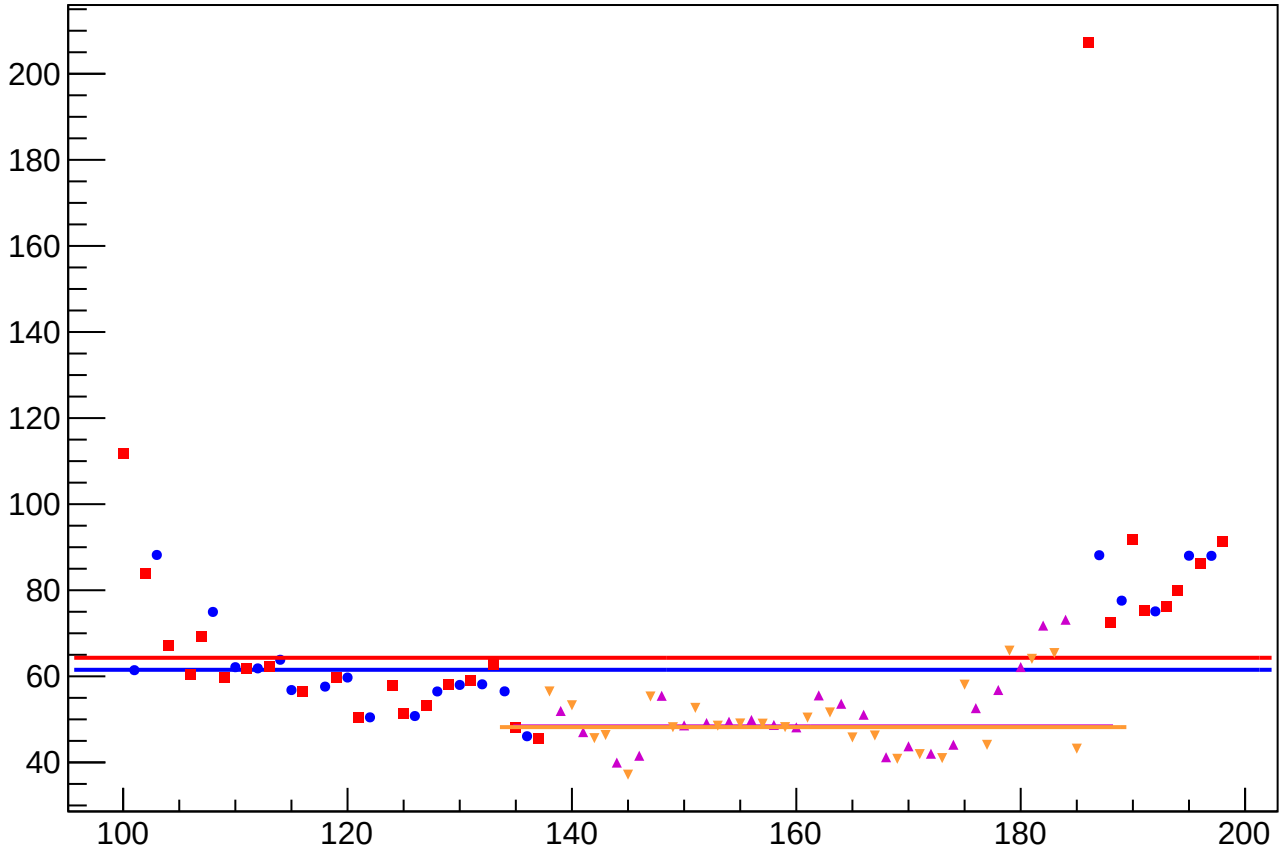
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -10.471+/-9.642 χ^2/NDF: 69.0/45

All: 0.442+/-6.860 χ^2/NDF: 129.1/95

\- sign 11.630+/-9.762 χ^2/NDF: 57.4/49

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.518+/-0.014 χ^2/NDF: 882432.1/20

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

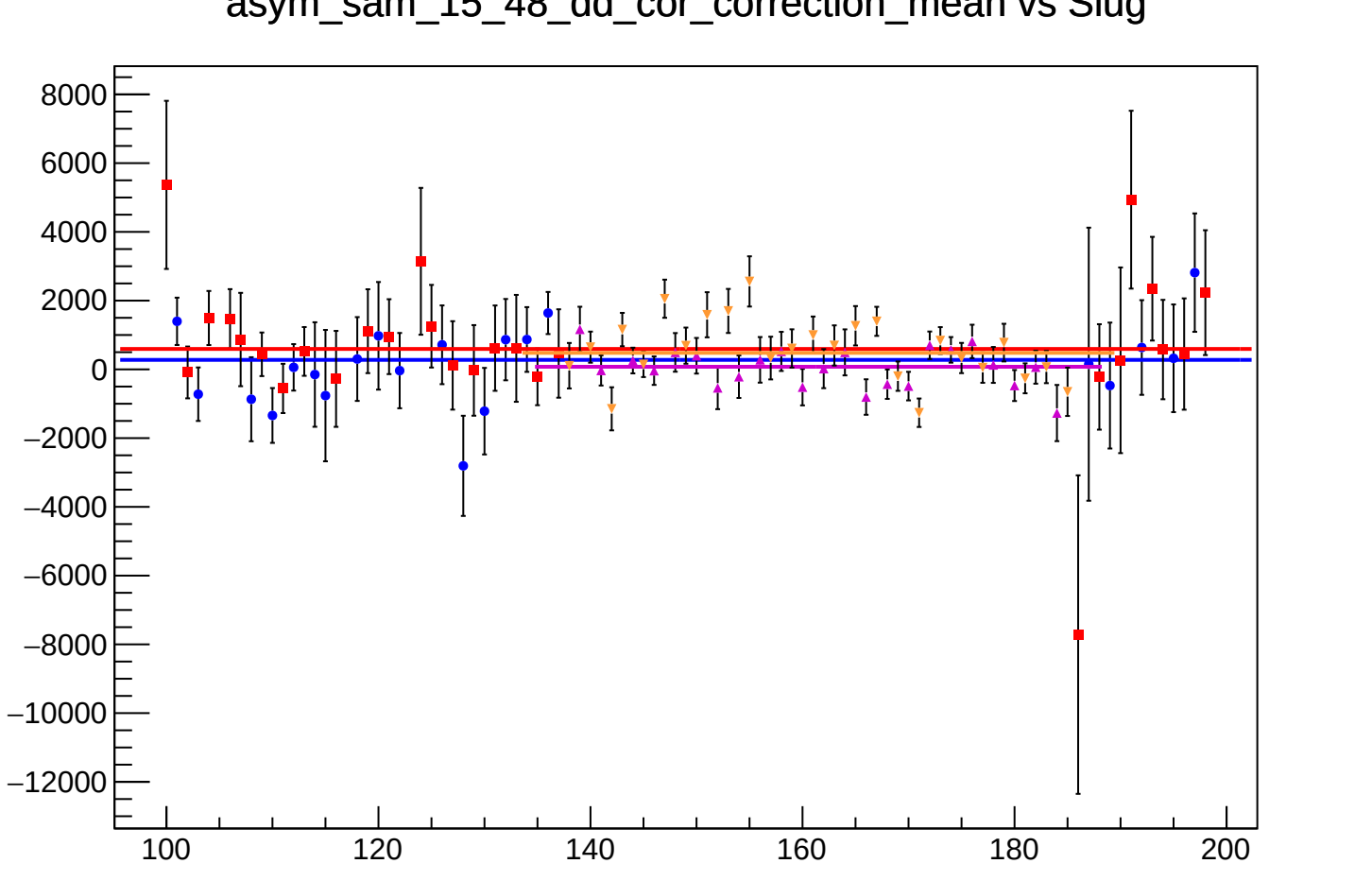
Right Out: 64.309+/-0.013 χ^2/NDF: 1301197.6/26

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.502+/-0.007 χ^2/NDF: 2374548.3/45

All: 52.130+/-0.005 χ^2/NDF: 5451595.0/95

- sign 52.773+/-0.007 χ^2/NDF: 3059905.4/49



Right In: 276.090+/-230.519 χ^2/NDF: 24.1/20

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 594.256+/-215.810 χ^2/NDF: 21.9/26

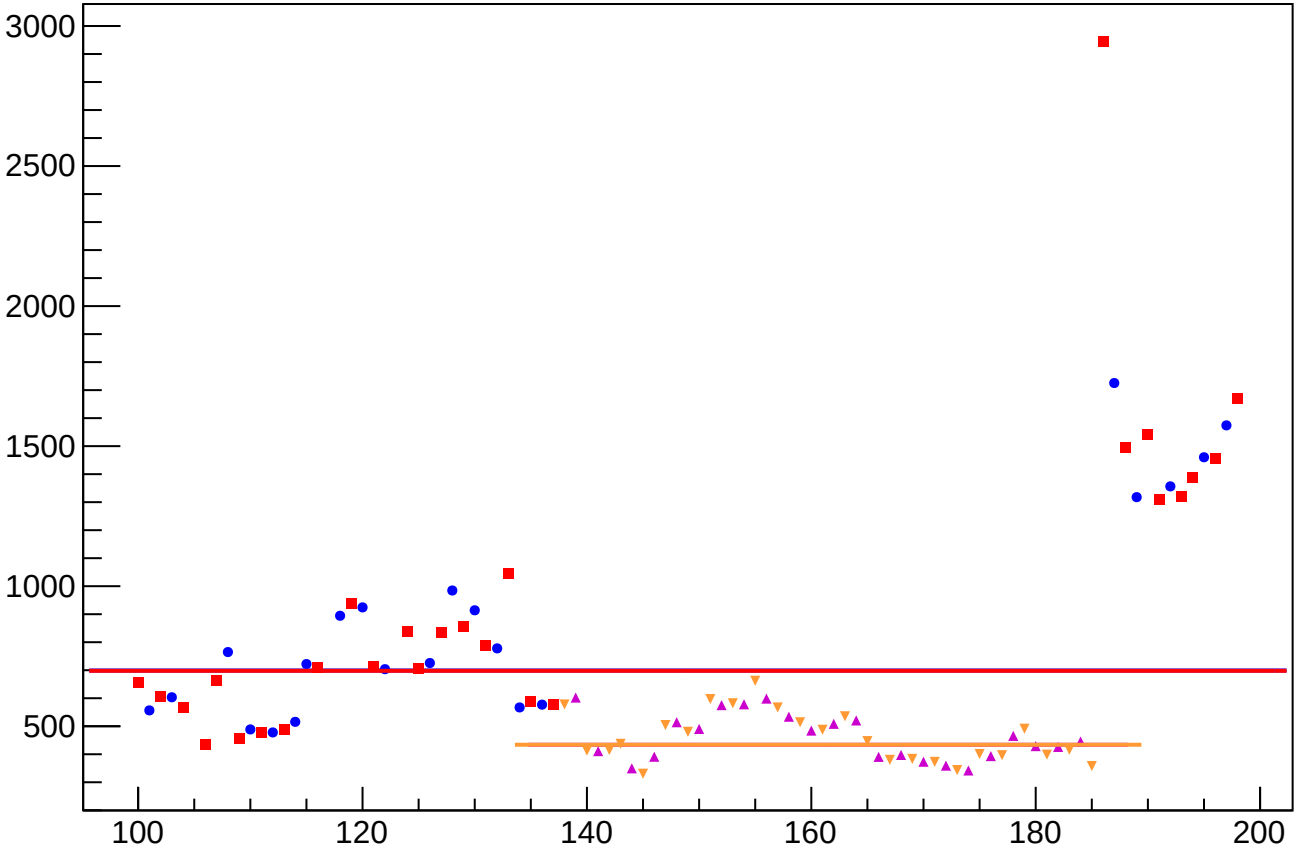
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 447.595+/-92.145 χ^2/NDF: 94.0/45

All: 311.180+/-65.474 χ^2/NDF: 149.4/95

- sign 172.073+/-93.050 χ^2/NDF: 51.1/49

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 699.018+/-0.163 χ^2/NDF: 2667210.8/20

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 697.919+/-0.153 χ^2/NDF: 4353041.2/26

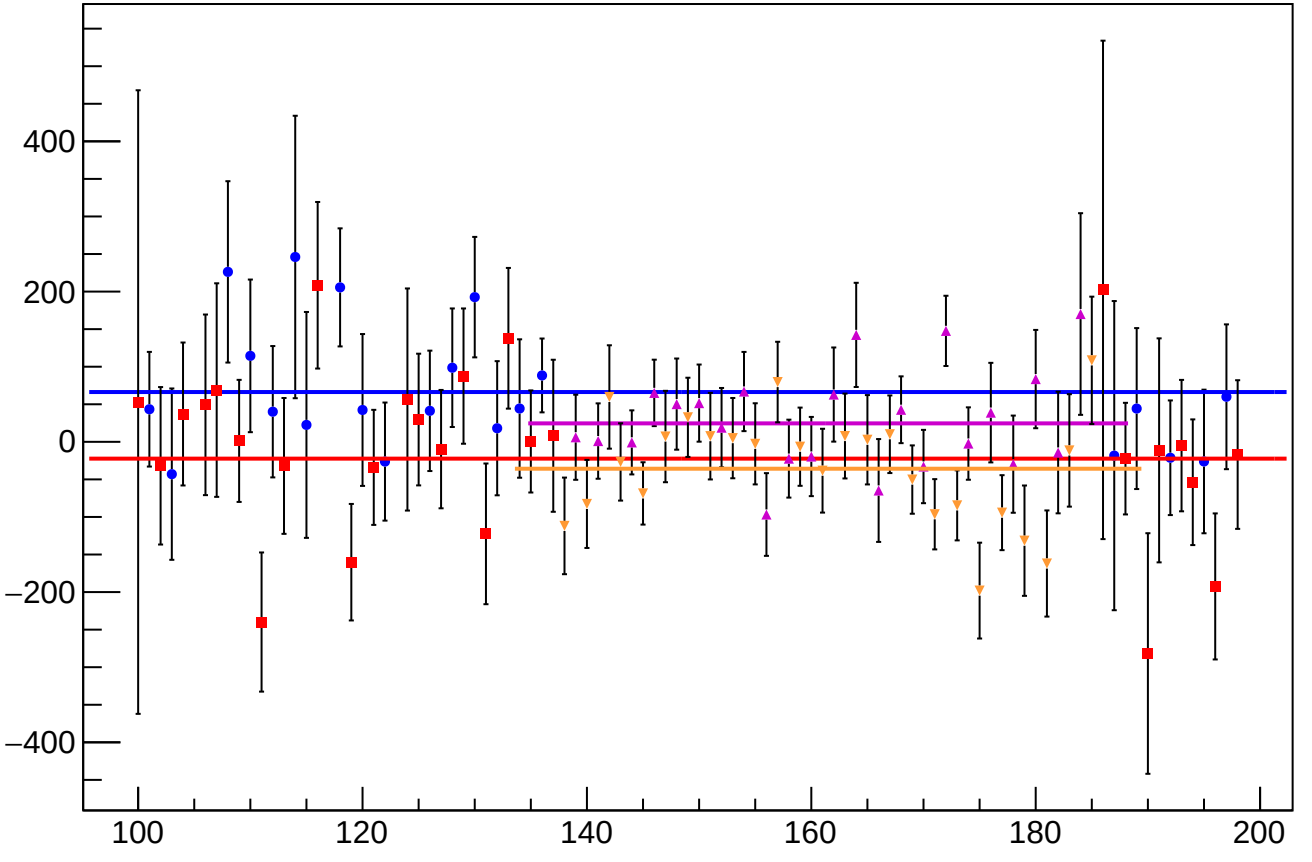
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 476.299+/-0.065 χ^2/NDF: 6132872.9/45

All: 479.536+/-0.046 χ^2/NDF: 14025852.7/95

- sign 482.837+/-0.066 χ^2/NDF: 7887994.7/49

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 66.283+/-19.360 χ^2/NDF: 14.4/20

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.368+/-18.592 χ^2/NDF: 27.1/26

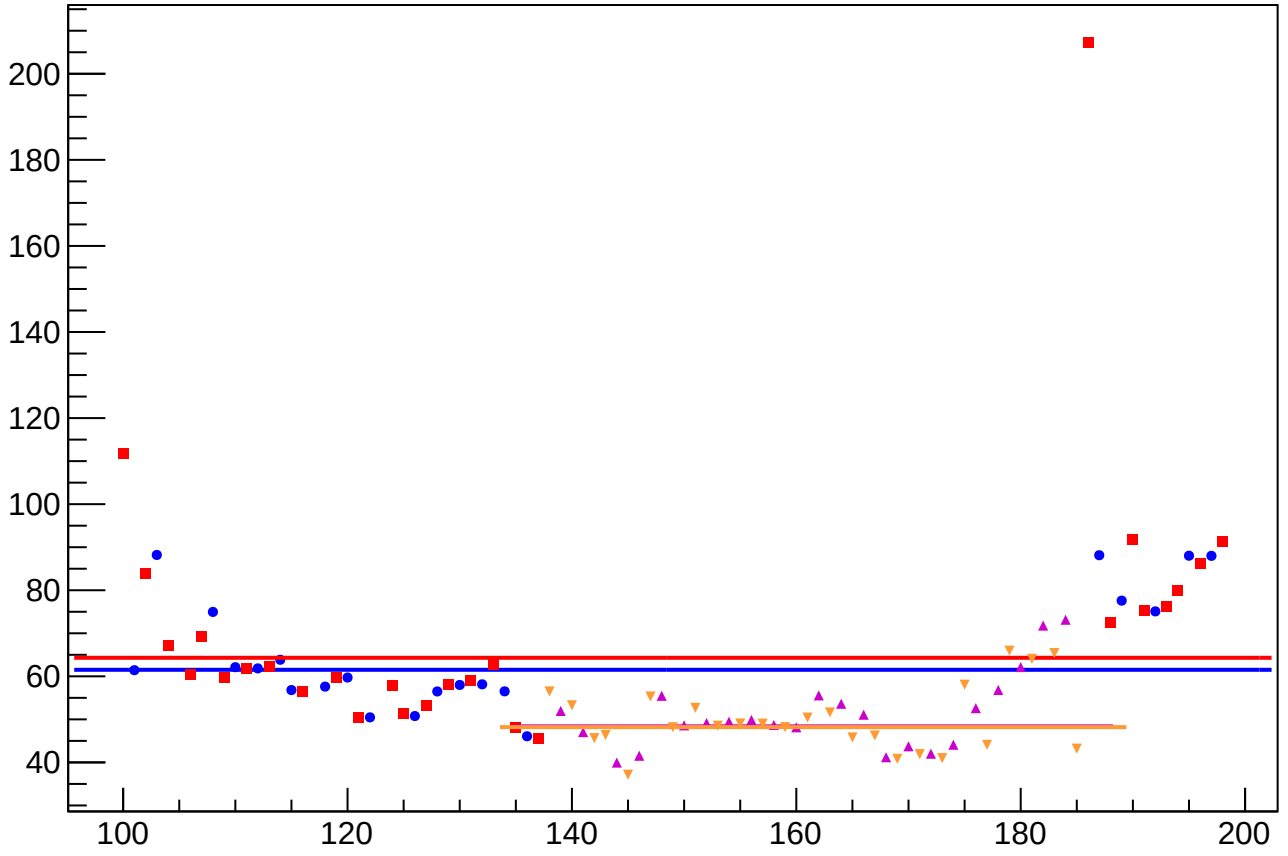
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -10.471+/-9.642 χ^2/NDF: 69.0/45

All: 0.442+/-6.860 χ^2/NDF: 129.1/95

- sign 11.630+/-9.762 χ^2/NDF: 57.4/49

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.518+/-0.014 χ^2/NDF: 882432.1/20

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

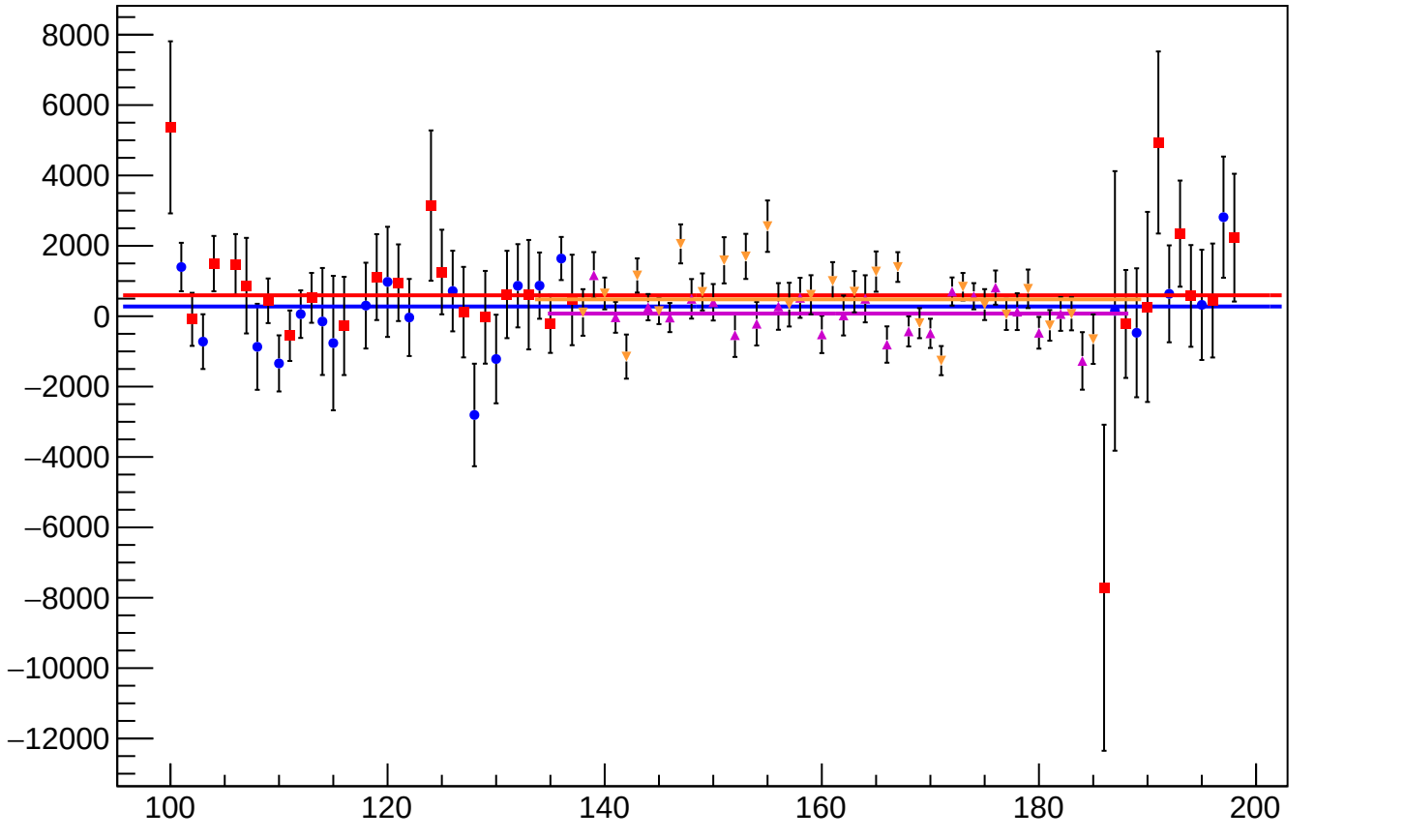
Right Out: 64.309+/-0.013 χ^2/NDF: 1301197.6/26

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.502+/-0.007 χ^2/NDF: 2374548.3/45

All: 52.130+/-0.005 χ^2/NDF: 5451595.0/95

- sign 52.773+/-0.007 χ^2/NDF: 3059905.4/49



Right In: 276.090+/-230.519 χ^2/NDF: 24.1/20

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

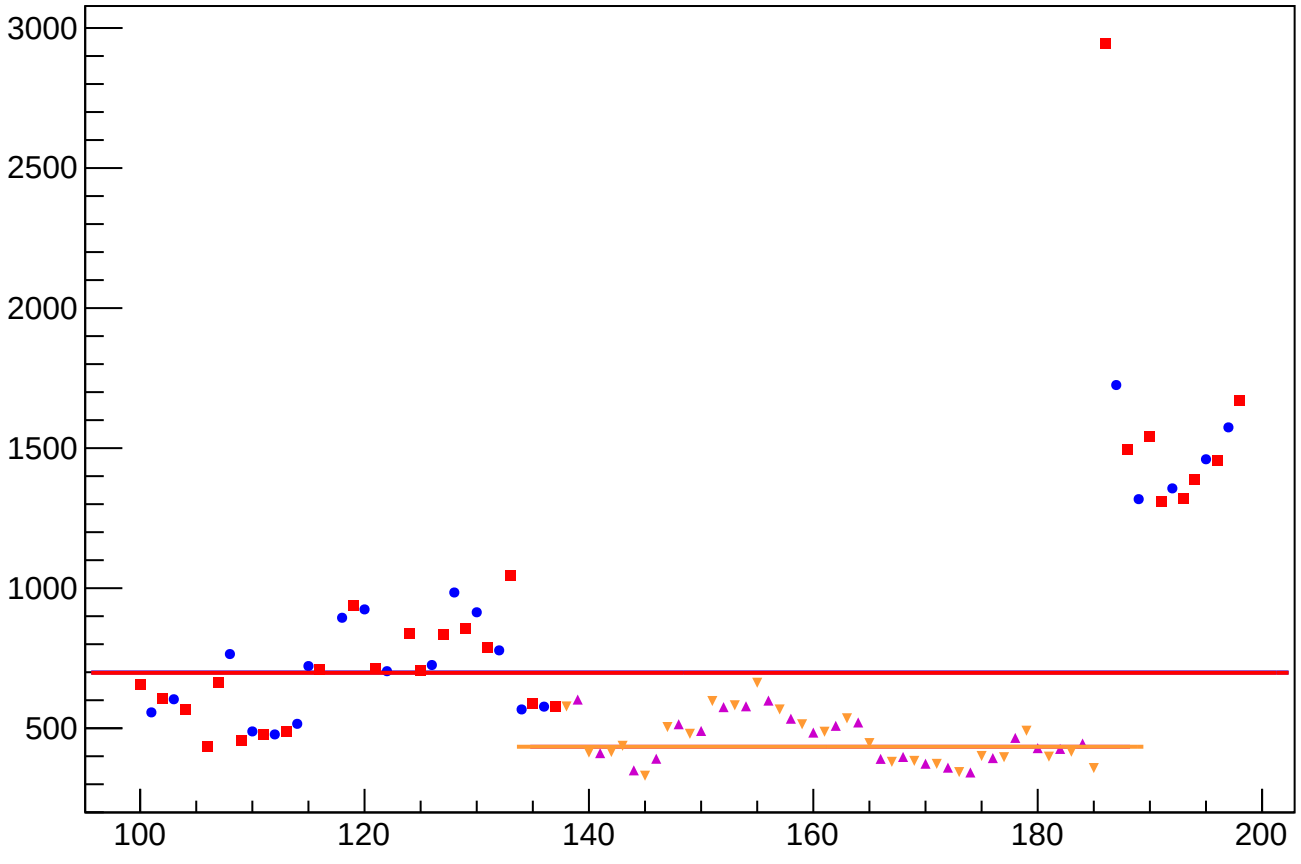
Right Out: 594.256+/-215.810 χ^2/NDF: 21.9/26

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 447.595+/-92.145 χ^2/NDF: 94.0/45

All: 311.180+/-65.474 χ^2/NDF: 149.4/95

- sign 172.073+/-93.050 χ^2/NDF: 51.1/49



Right In: 699.018+/-0.163 χ^2/NDF: 2667210.8/20

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 697.919+/-0.153 χ^2/NDF: 4353041.2/26

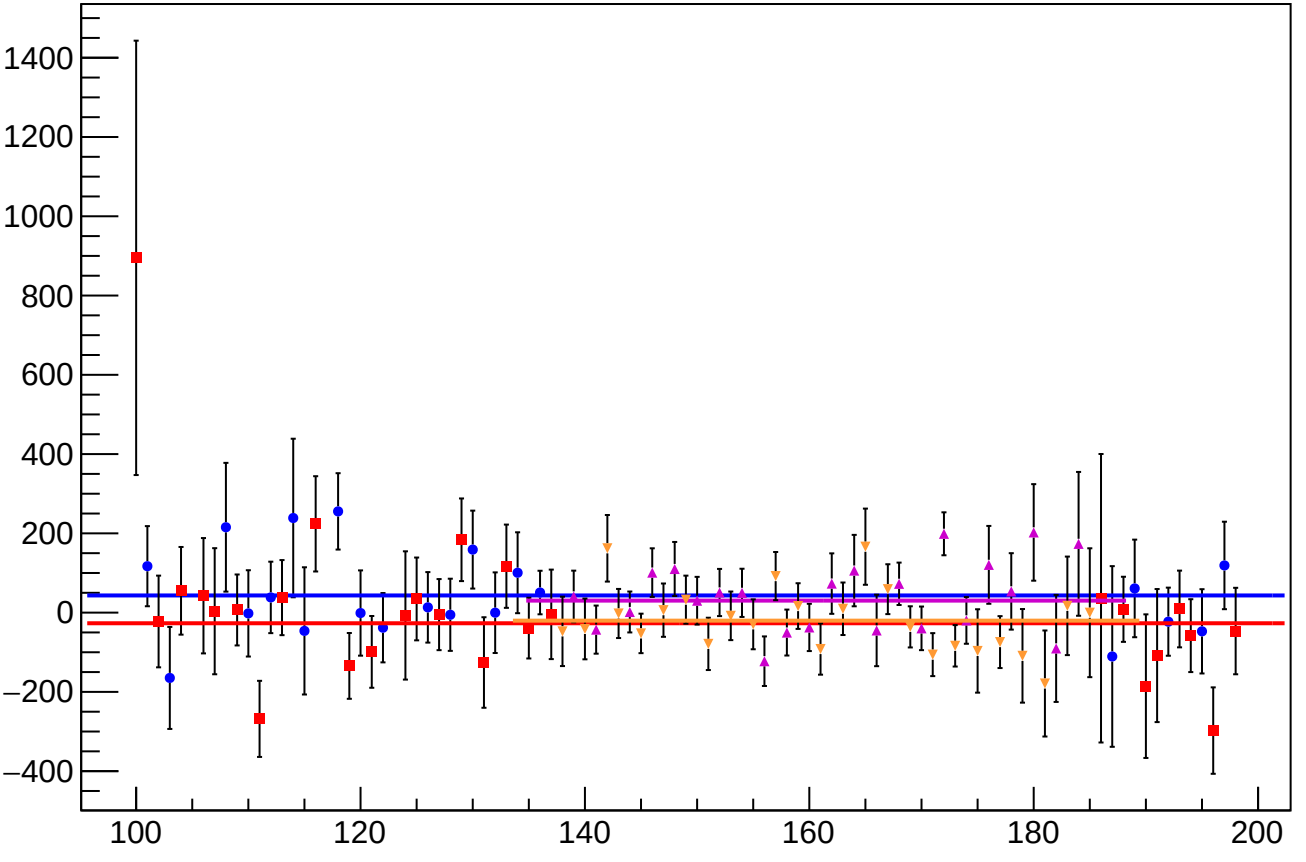
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 476.299+/-0.065 χ^2/NDF: 6132872.9/45

All: 479.536+/-0.046 χ^2/NDF: 14025852.7/95

- sign 482.837+/-0.066 χ^2/NDF: 7887994.7/49

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 43.328+/-22.041 χ^2/NDF: 16.2/20

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -26.832+/-20.829 χ^2/NDF: 32.1/26

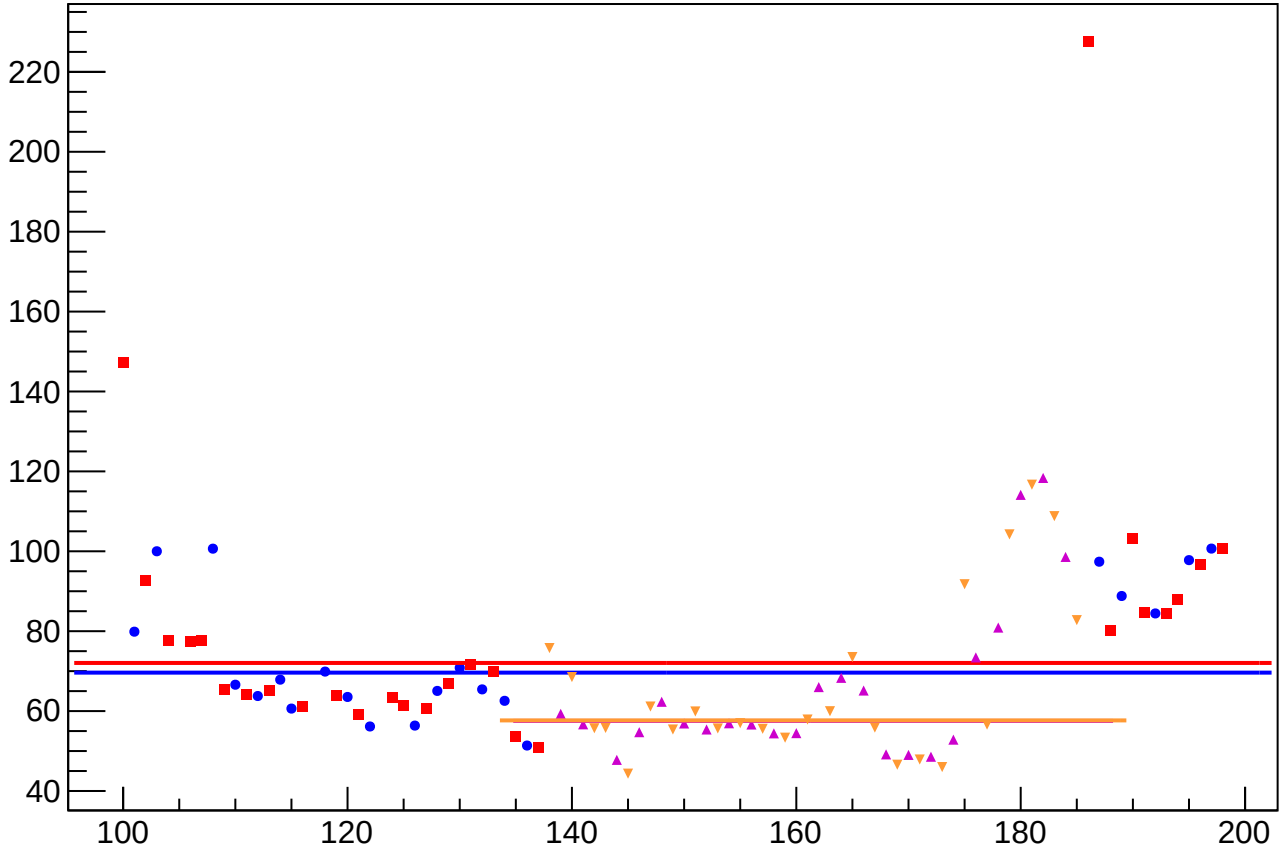
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

\+ sign -2.666+/-11.596 χ^2/NDF: 47.3/45

All: 4.945+/-8.204 χ^2/NDF: 118.1/95

\- sign 12.570+/-11.607 χ^2/NDF: 69.9/49

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.626+/-0.016 χ^2/NDF: 995396.5/20

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 72.051+/-0.015 χ^2/NDF: 1260698.1/26

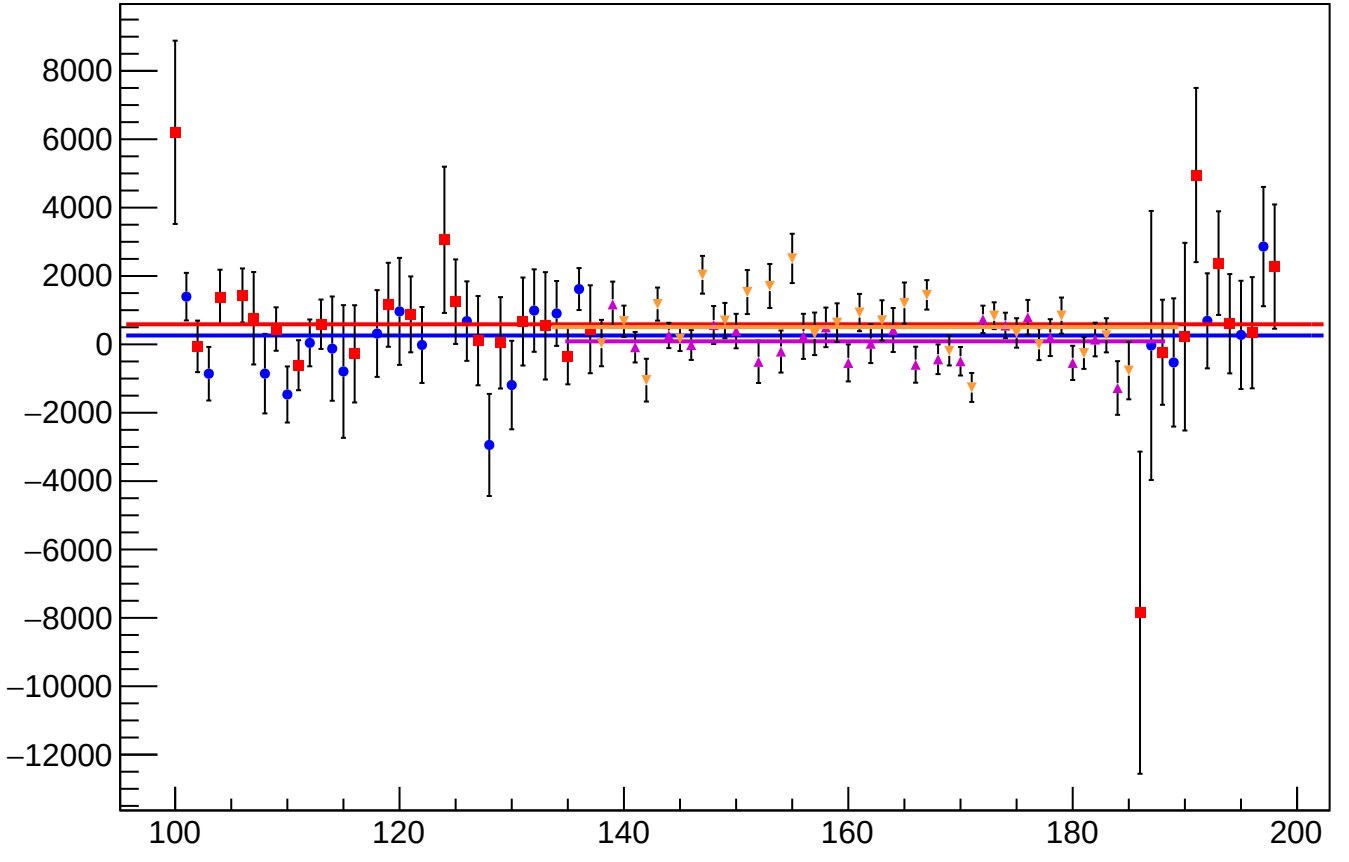
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 60.978+/-0.008 χ^2/NDF: 3330831.0/45

All: 61.511+/-0.006 χ^2/NDF: 6712574.4/95

- sign 62.046+/-0.008 χ^2/NDF: 3373274.2/49

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 259.922+/-233.012 χ^2/NDF: 25.0/20

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 586.887+/-216.666 χ^2/NDF: 22.6/26

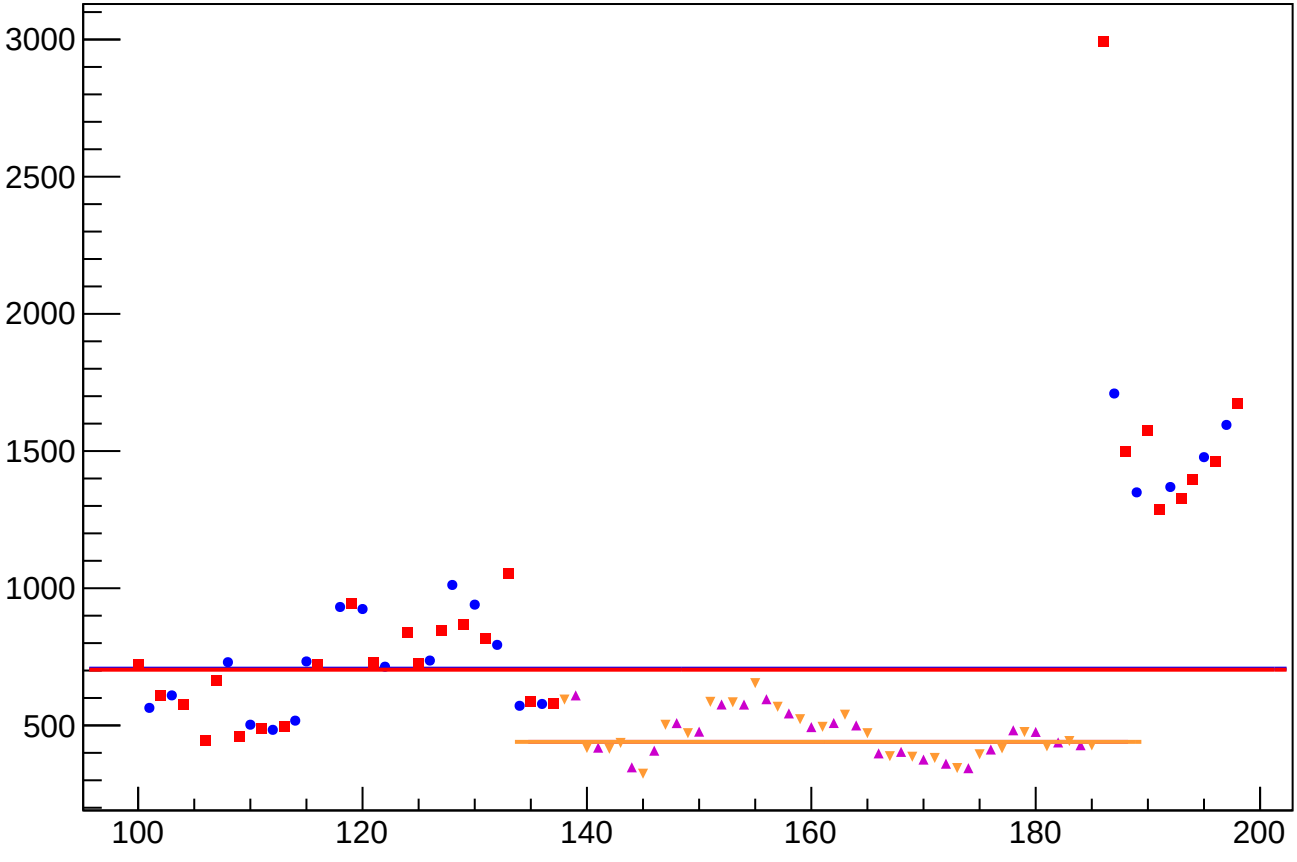
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 467.558+/-93.268 χ^2/NDF: 91.8/45

All: 326.424+/-66.261 χ^2/NDF: 146.6/95

- sign 182.594+/-94.155 χ^2/NDF: 50.2/49

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 706.837+/-0.165 χ^2/NDF: 2684416.6/20

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 703.116+/-0.153 χ^2/NDF: 4357983.0/26

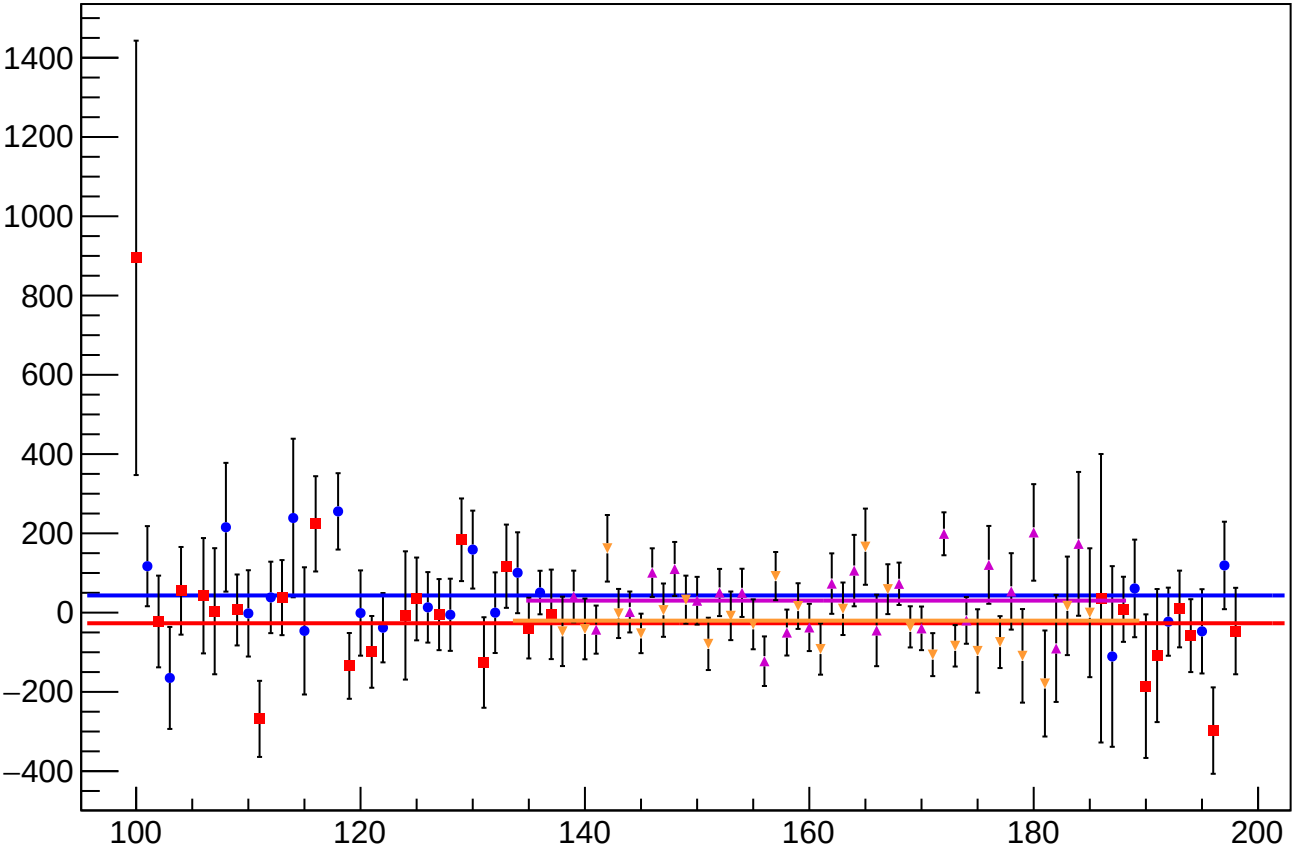
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 482.815+/-0.066 χ^2/NDF: 6082746.2/45

All: 486.169+/-0.047 χ^2/NDF: 13902567.8/95

- sign 489.588+/-0.067 χ^2/NDF: 7814597.6/49

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 43.327+/-22.041 χ^2/NDF: 16.2/20

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -26.832+/-20.829 χ^2/NDF: 32.1/26

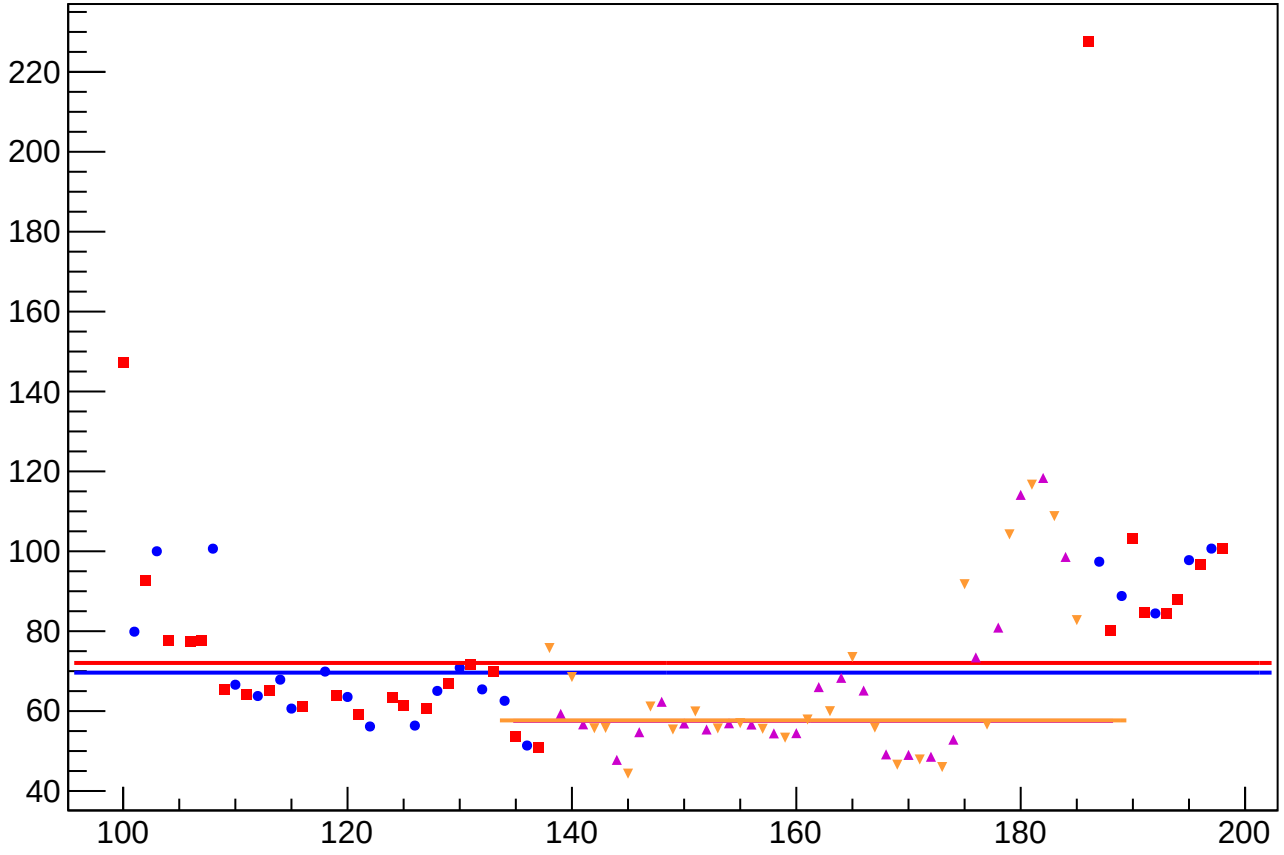
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

\+ sign -2.666+/-11.596 χ^2/NDF: 47.3/45

All: 4.945+/-8.204 χ^2/NDF: 118.1/95

\- sign 12.570+/-11.607 χ^2/NDF: 69.9/49

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.626+/-0.016 χ^2/NDF: 995392.7/20

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

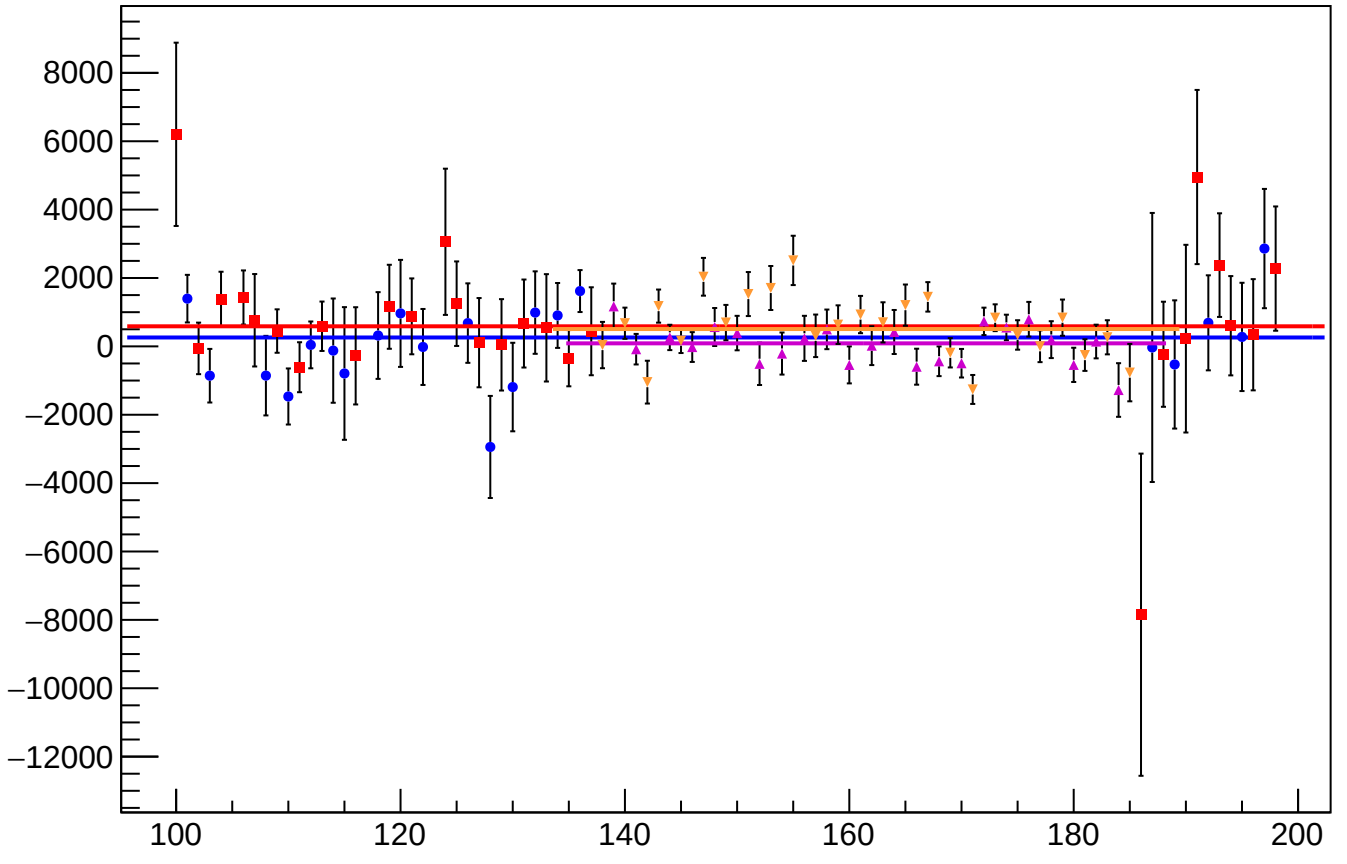
Right Out: 72.050+/-0.015 χ^2/NDF: 1260710.4/26

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 60.978+/-0.008 χ^2/NDF: 3330807.5/45

All: 61.511+/-0.006 χ^2/NDF: 6712527.9/95

- sign 62.046+/-0.008 χ^2/NDF: 3373252.3/49



Right In: 259.921+/-233.012 χ^2/NDF: 25.0/20

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: 586.886+/-216.666 χ^2/NDF: 22.6/26

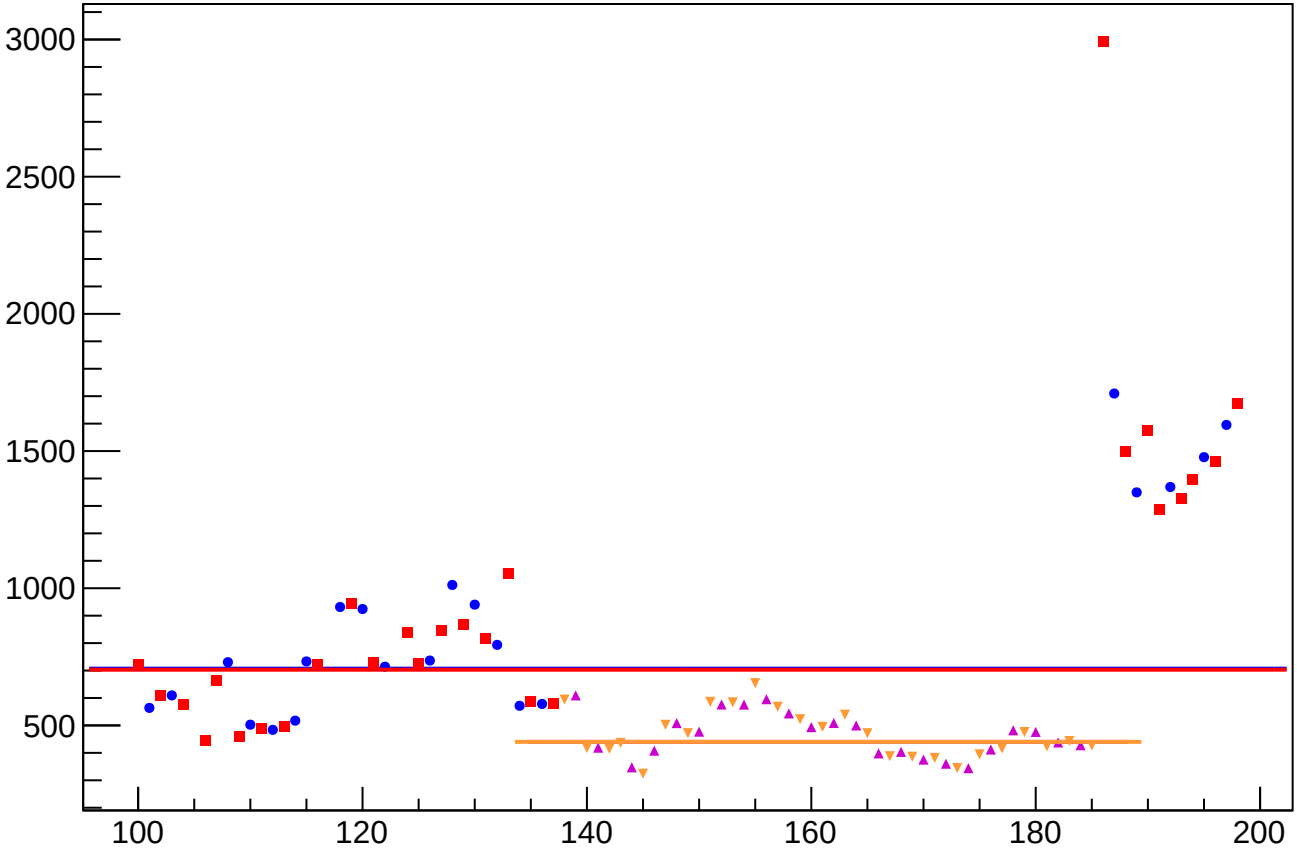
Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 467.557+/-93.267 χ^2/NDF: 91.8/45

All: 326.423+/-66.261 χ^2/NDF: 146.6/95

- sign 182.593+/-94.154 χ^2/NDF: 50.2/49

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



Right In: 706.836+/-0.165 χ^2/NDF: 2684420.5/20

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 703.115+/-0.153 χ^2/NDF: 4357985.1/26

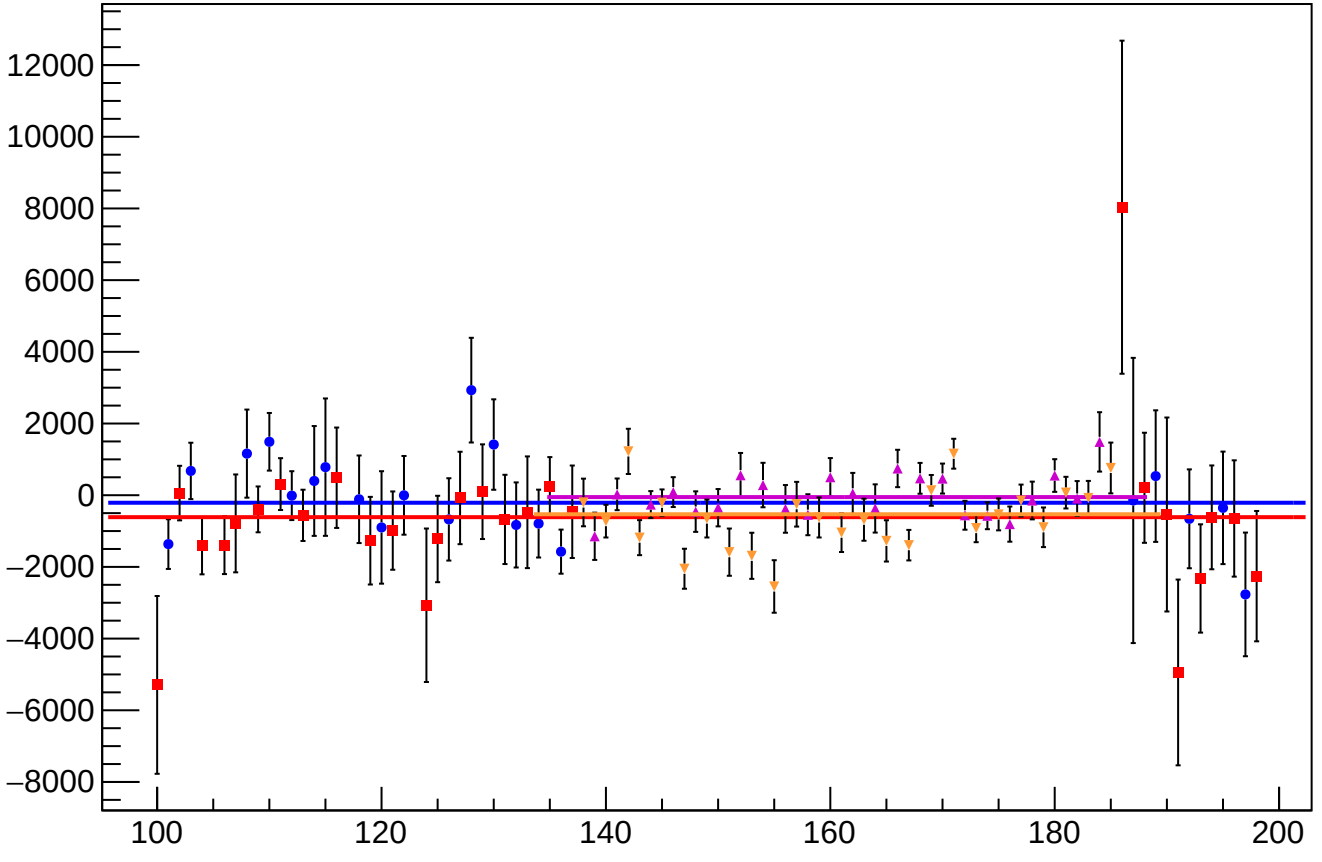
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 482.814+/-0.066 χ^2/NDF: 6082767.9/45

All: 486.168+/-0.047 χ^2/NDF: 13902611.2/95

- sign 489.587+/-0.067 χ^2/NDF: 7814619.6/49

asym_sam_15_48_dd_mean vs Slug



Right In: -210.271+/-231.749 χ^2/NDF: 25.0/20

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -612.438+/-215.965 χ^2/NDF: 20.8/26

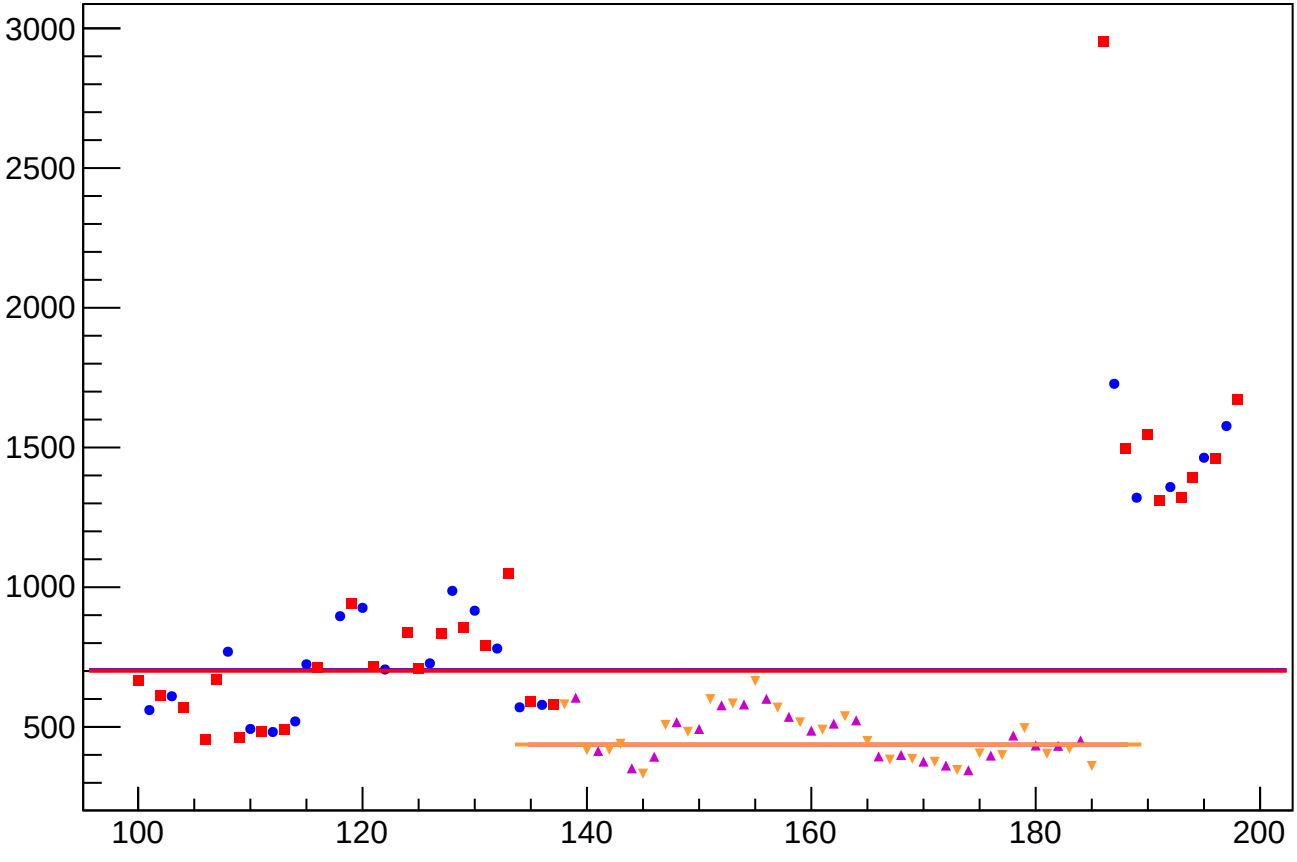
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -480.074+/-92.778 χ^2/NDF: 92.2/45

All: -320.338+/-65.895 χ^2/NDF: 148.6/95

- sign -157.736+/-93.606 χ^2/NDF: 50.4/49

asym_sam_15_48_dd_rms vs Slug



Right In: 703.266+/-0.164 χ^2/NDF: 2641186.4/20

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

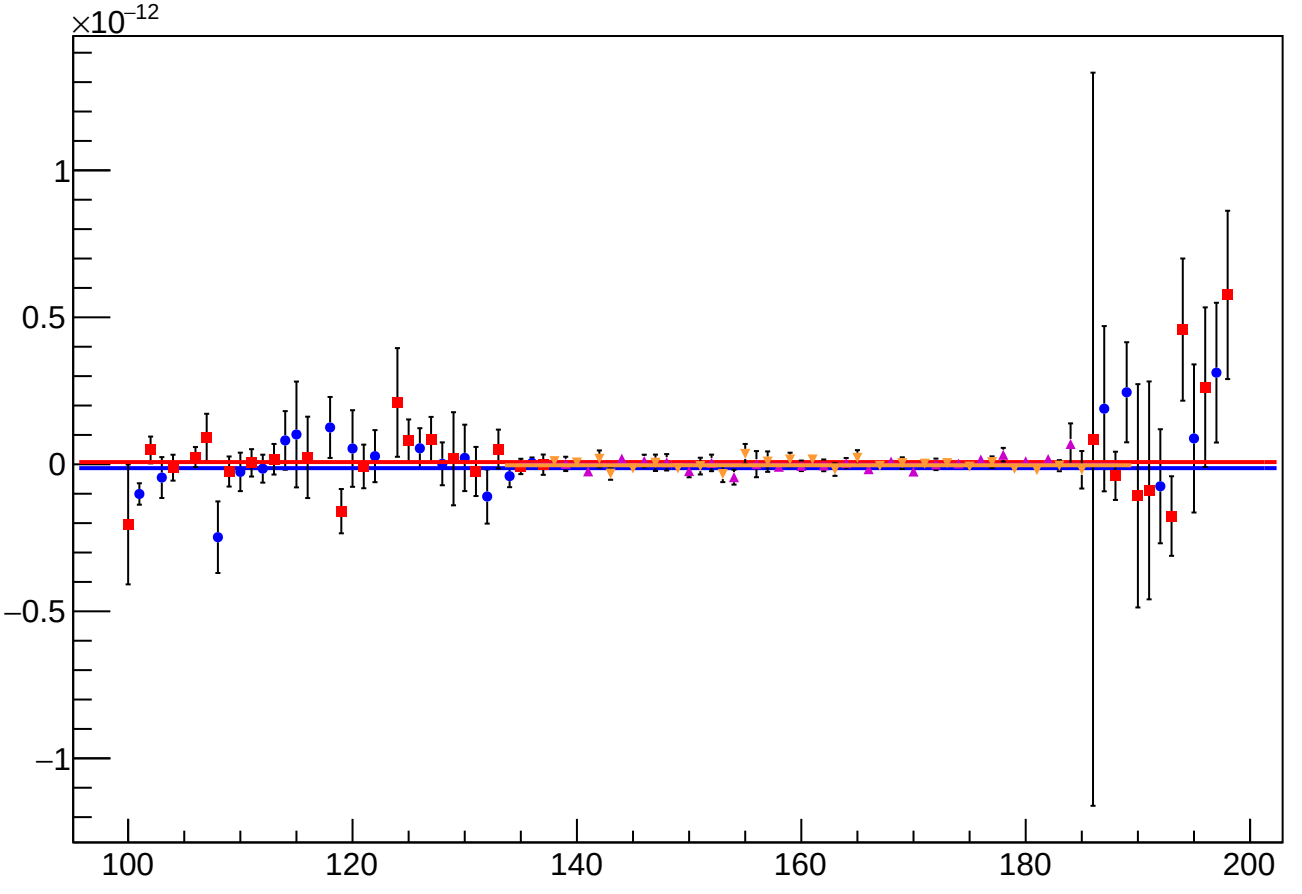
Right Out: 701.256+/-0.153 χ^2/NDF: 4314771.7/26

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 479.806+/-0.066 χ^2/NDF: 6083039.5/45

All: 483.170+/-0.047 χ^2/NDF: 13916179.5/95

- sign 486.593+/-0.066 χ^2/NDF: 7827836.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/26

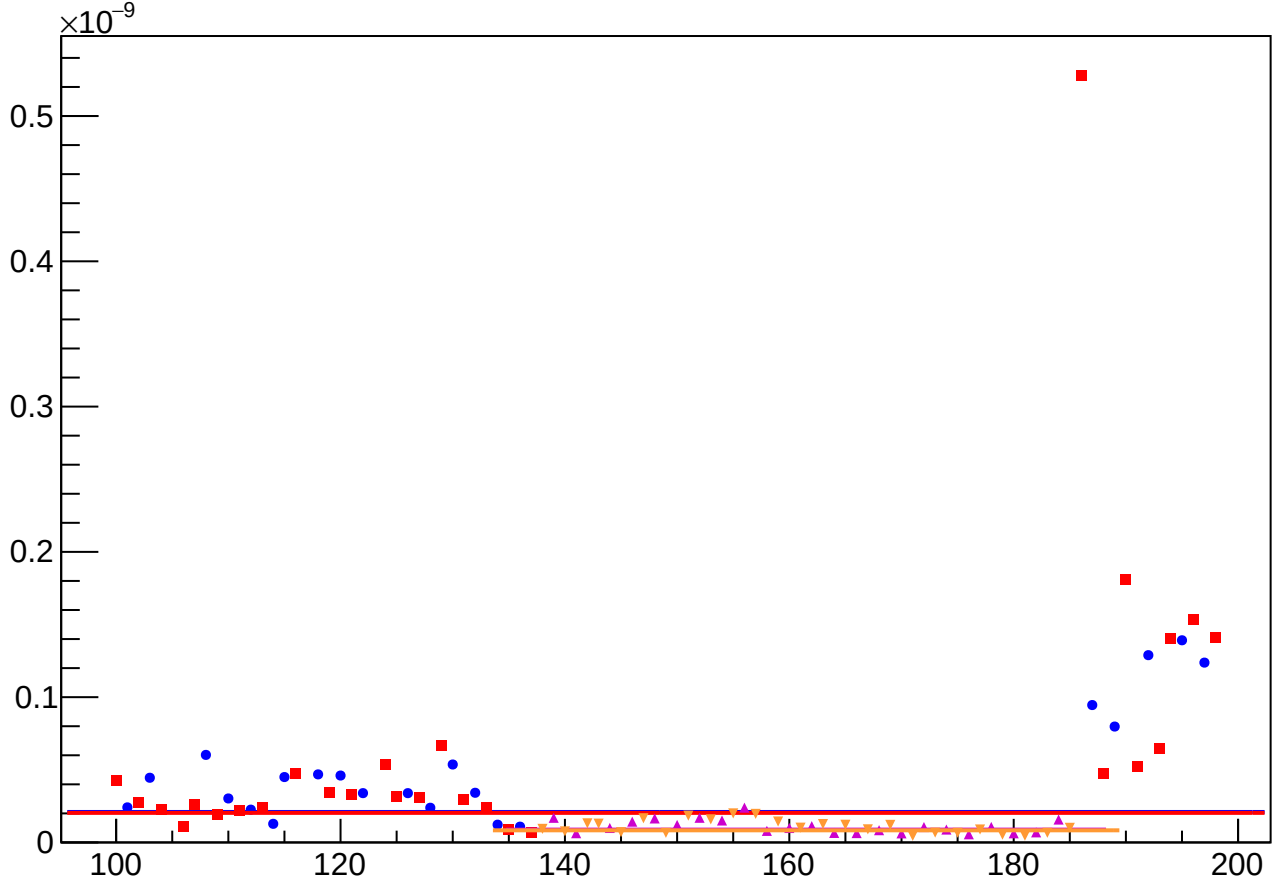
Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.8/45

All: -0.000+/-0.000 χ^2/NDF: 83.5/95

- sign -0.000+/-0.000 χ^2/NDF: 46.2/49

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3573659.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3957712.0/26

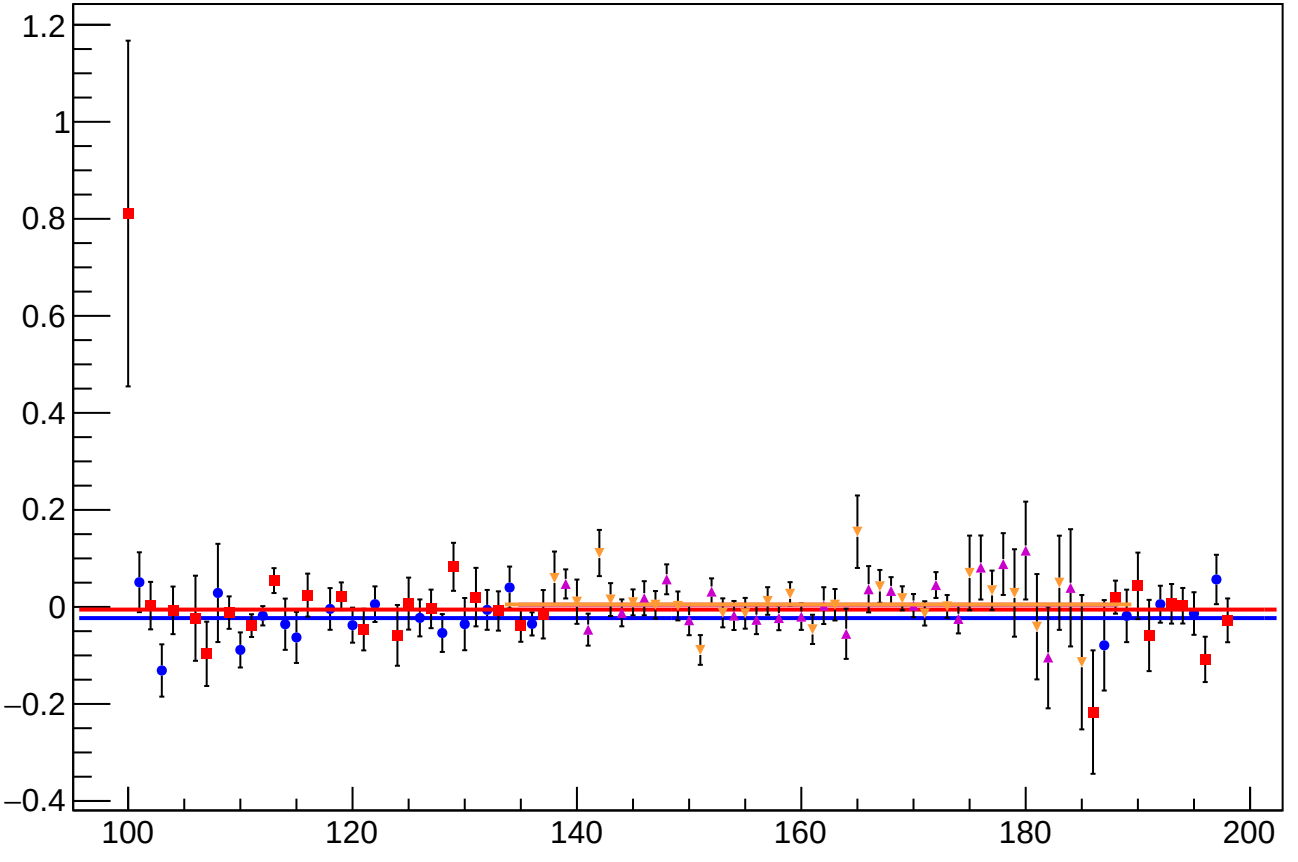
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7678047.1/45

All: 0.000+/-0.000 χ^2/NDF: 15018226.6/95

- sign 0.000+/-0.000 χ^2/NDF: 7309866.6/49

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.005+/-0.008 χ^2/NDF: 31.8/26

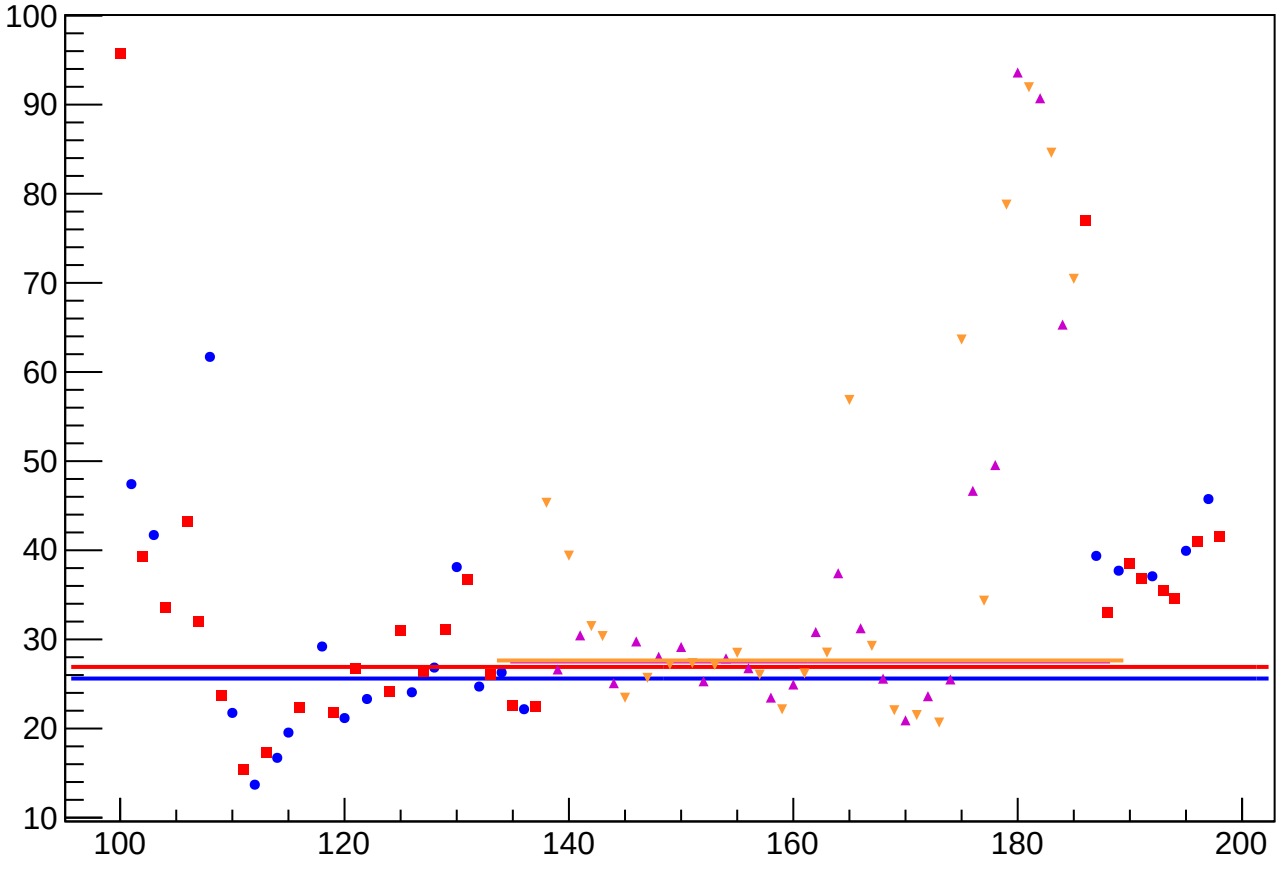
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 52.2/45

All: -0.003+/-0.004 χ^2/NDF: 110.7/95

- sign 0.000+/-0.005 χ^2/NDF: 57.8/49

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.610+/-0.006 χ^2/NDF: 2562104.9/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

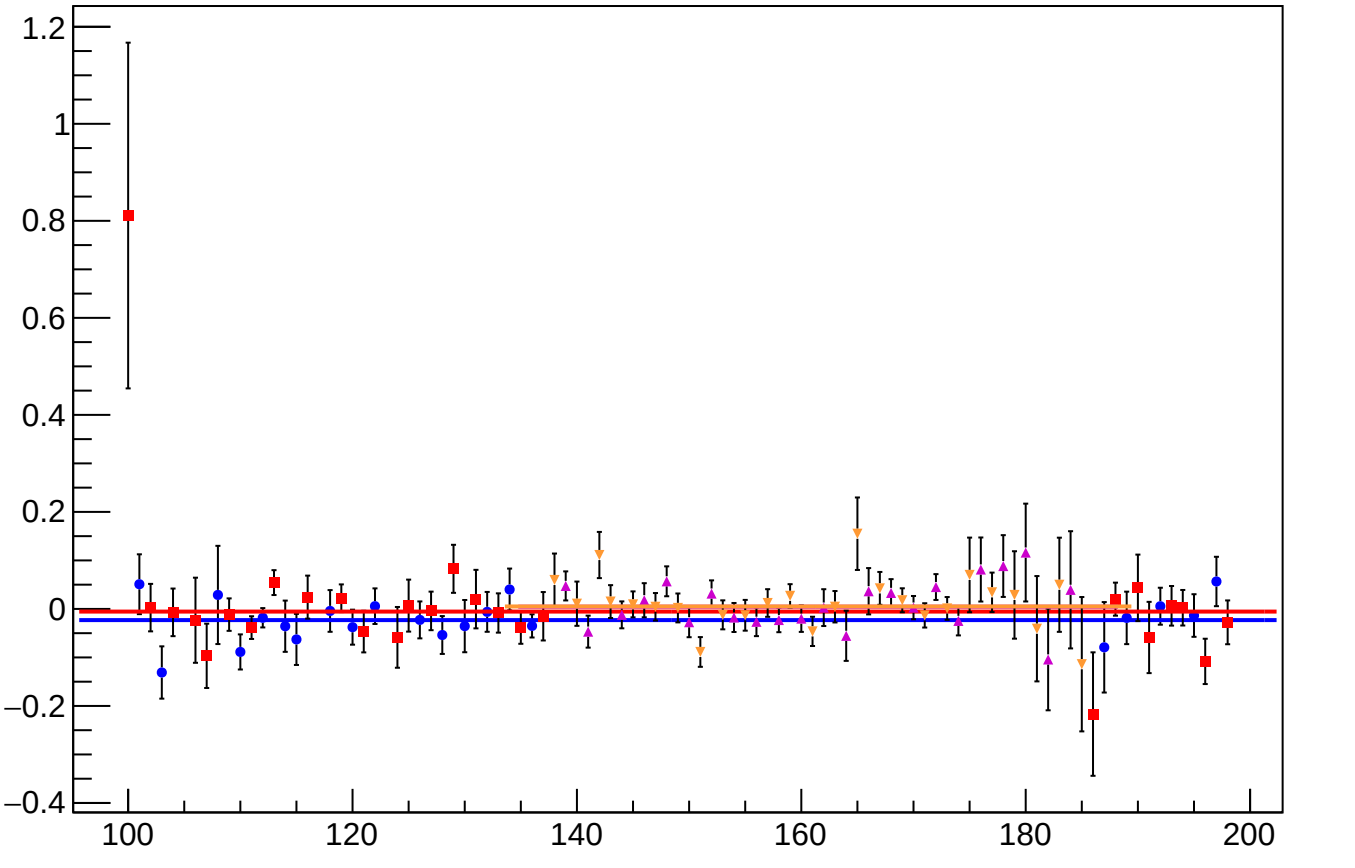
Right Out: 26.912+/-0.006 χ^2/NDF: 2362280.4/26

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.854+/-0.004 χ^2/NDF: 6603637.4/45

All: 27.062+/-0.003 χ^2/NDF: 11612912.9/95

- sign 27.264+/-0.004 χ^2/NDF: 5003362.4/49



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

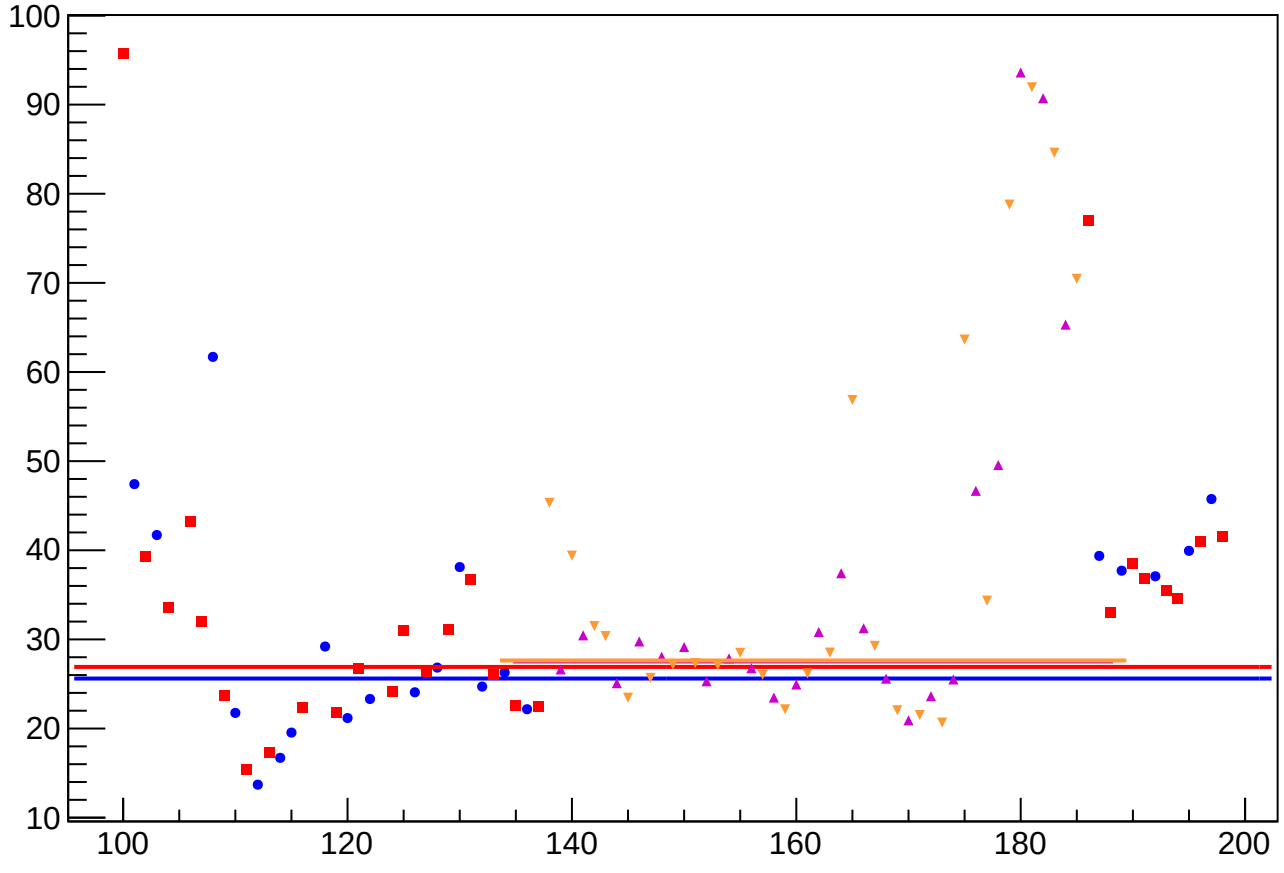
Right Out: -0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 52.2/45

All: -0.003+/-0.004 χ^2/NDF: 110.7/95

- sign 0.000+/-0.005 χ^2/NDF: 57.8/49



Right In: 25.610+/-0.006 χ^2/NDF: 2562104.9/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

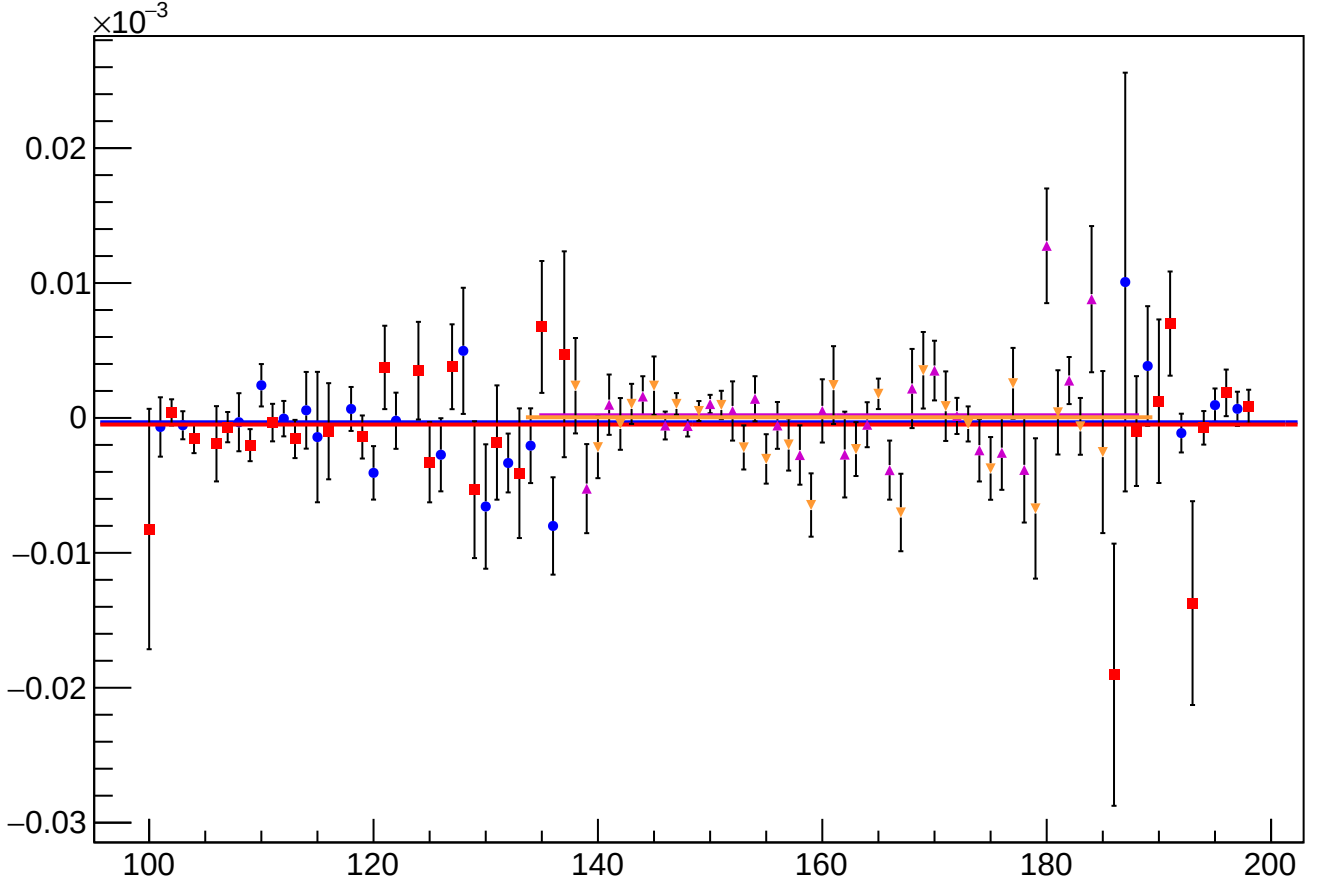
Right Out: 26.912+/-0.006 χ^2/NDF: 2362280.4/26

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.854+/-0.004 χ^2/NDF: 6603637.4/45

All: 27.062+/-0.003 χ^2/NDF: 11612912.9/95

- sign 27.264+/-0.004 χ^2/NDF: 5003362.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

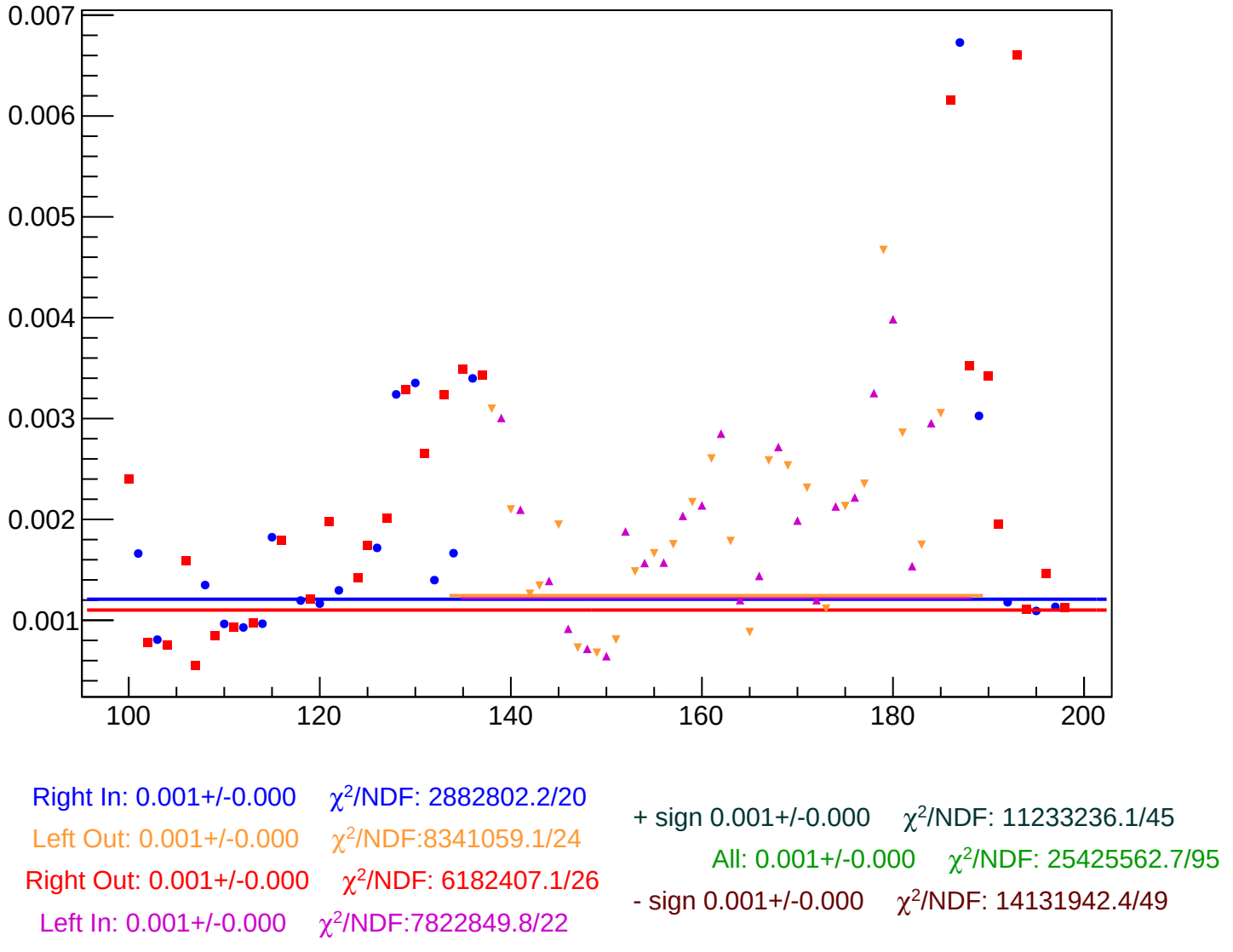
Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/26

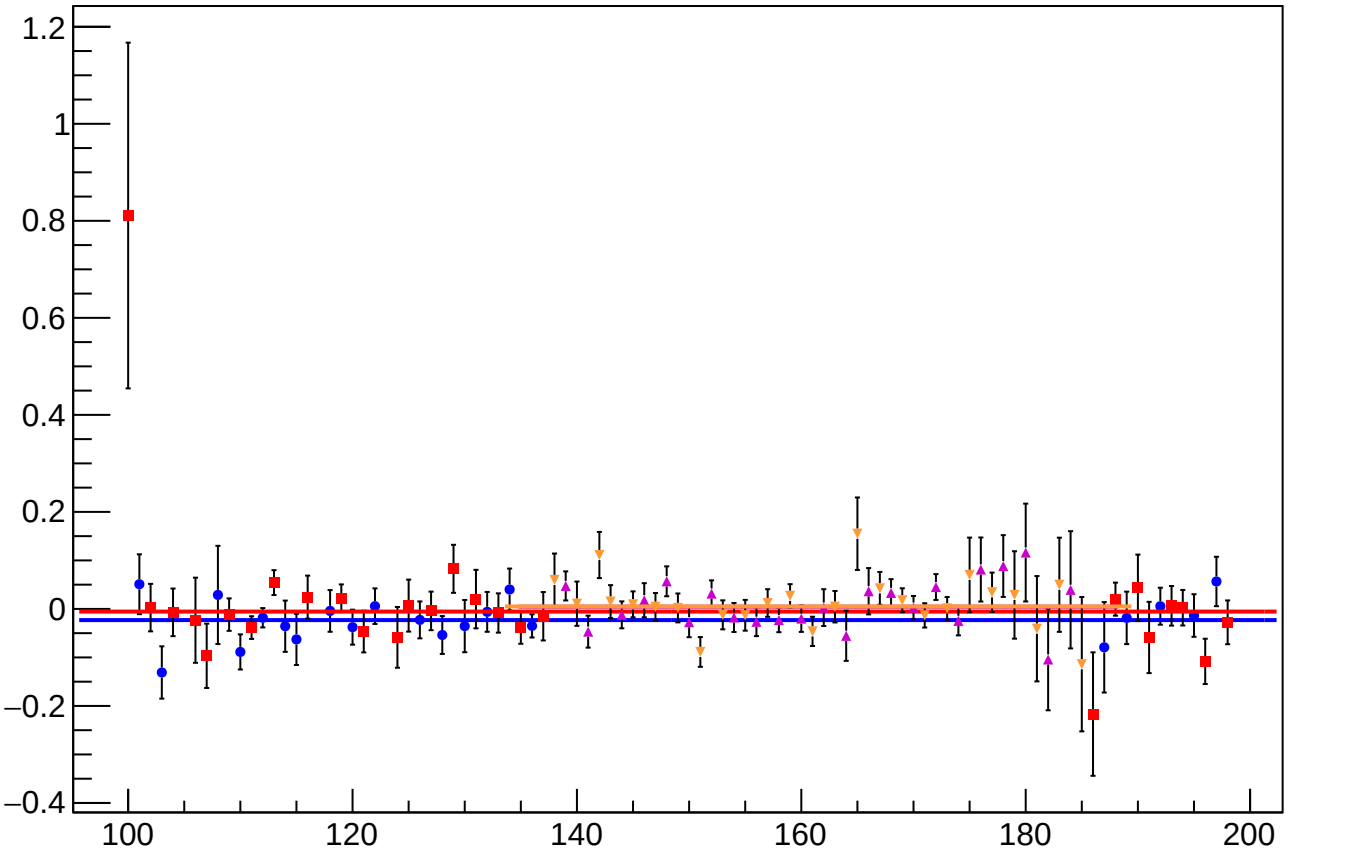
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.8/45

All: -0.000+/-0.000 χ^2/NDF: 123.2/95

- sign -0.000+/-0.000 χ^2/NDF: 64.3/49


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 2882802.2/20
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 6182407.1/26
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
+ sign 0.001+/-0.000 χ²/NDF: 11233236.1/45
All: 0.001+/-0.000 χ²/NDF: 25425562.7/95
- sign 0.001+/-0.000 χ²/NDF: 14131942.4/49



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

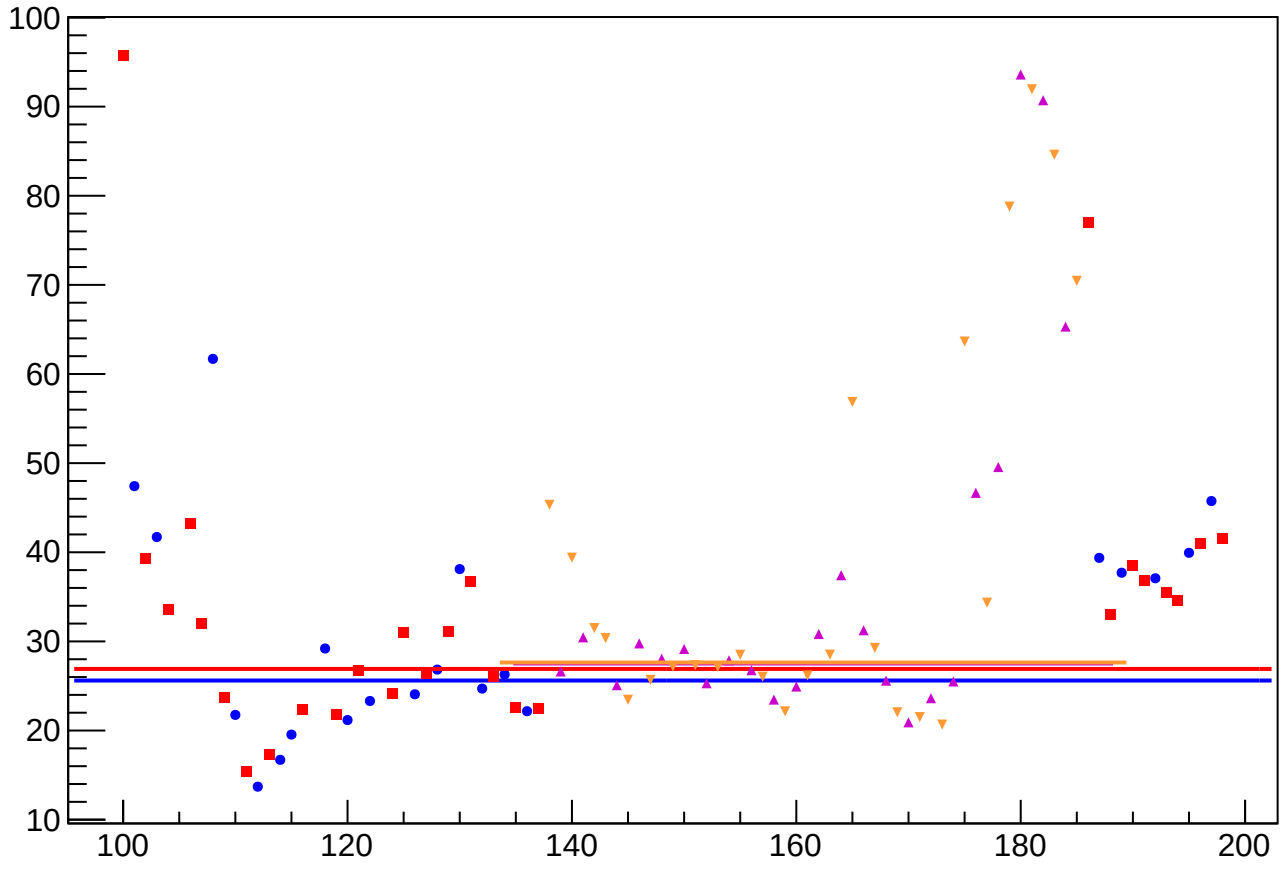
Right Out: -0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 52.2/45

All: -0.003+/-0.004 χ^2/NDF: 110.7/95

- sign 0.000+/-0.005 χ^2/NDF: 57.8/49



Right In: 25.609+/-0.006 χ^2/NDF: 2562127.8/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

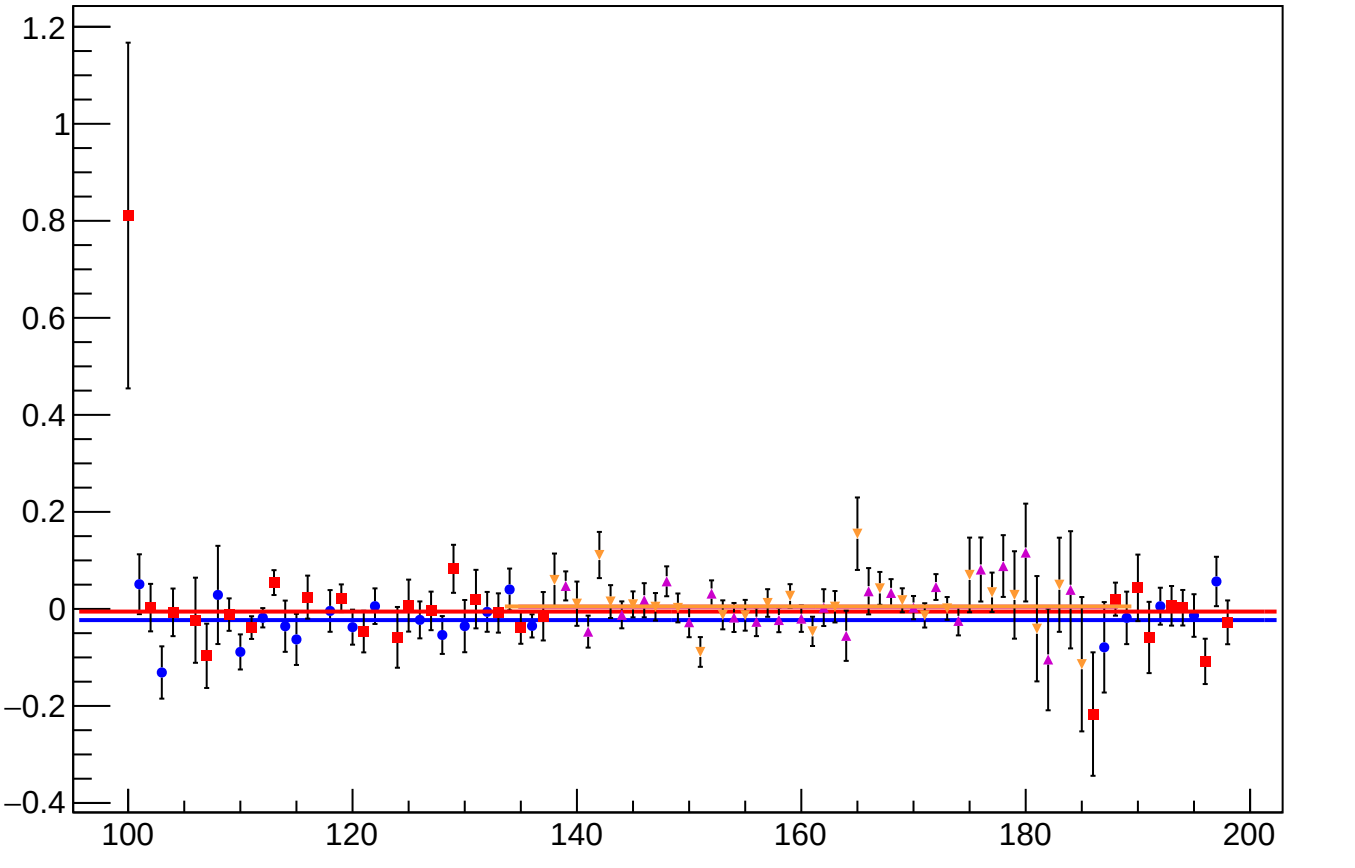
Right Out: 26.912+/-0.006 χ^2/NDF: 2362374.5/26

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.854+/-0.004 χ^2/NDF: 6603637.3/45

All: 27.062+/-0.003 χ^2/NDF: 11612981.1/95

- sign 27.264+/-0.004 χ^2/NDF: 5003433.5/49



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

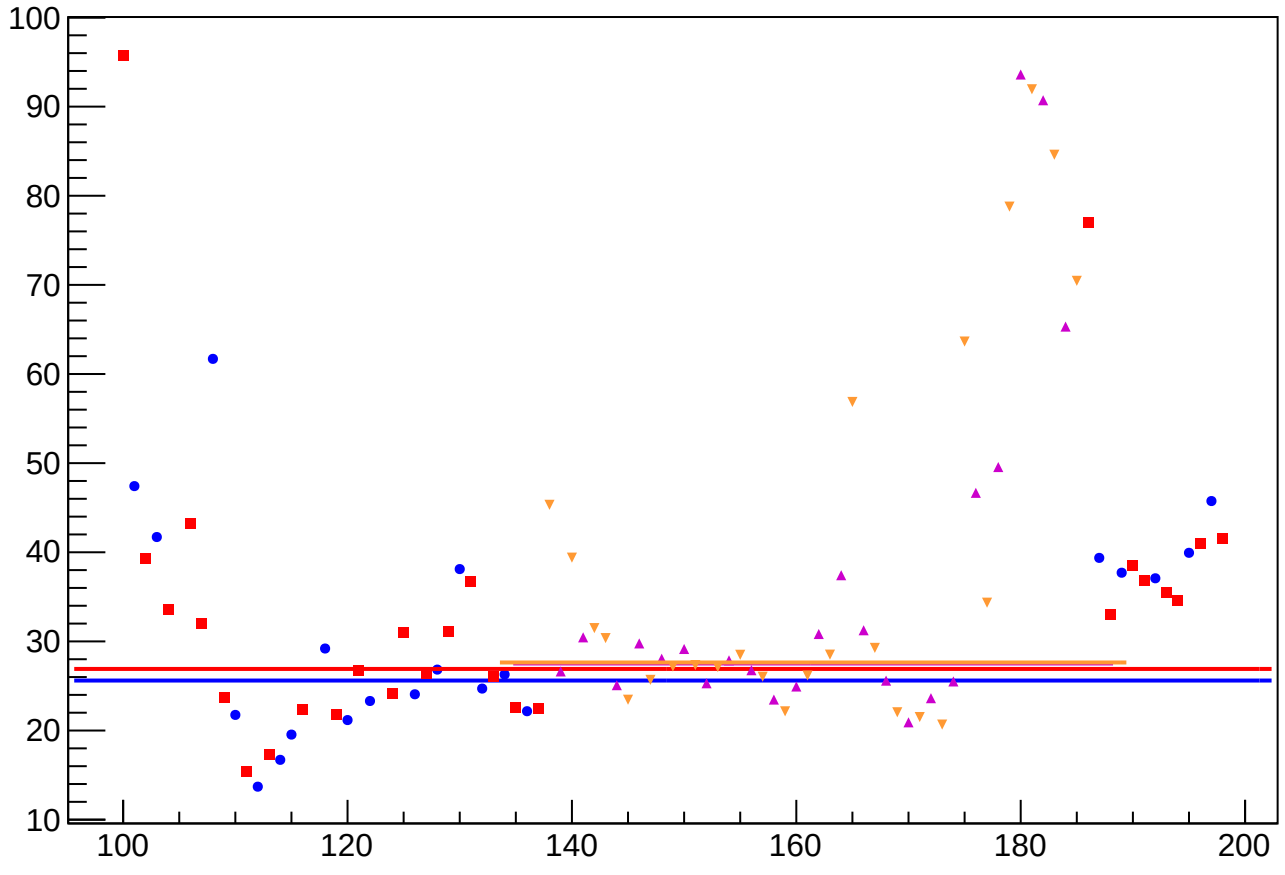
Right Out: -0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 52.2/45

All: -0.003+/-0.004 χ^2/NDF: 110.7/95

- sign 0.000+/-0.005 χ^2/NDF: 57.8/49



Right In: 25.609+/-0.006 χ^2/NDF: 2562127.8/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

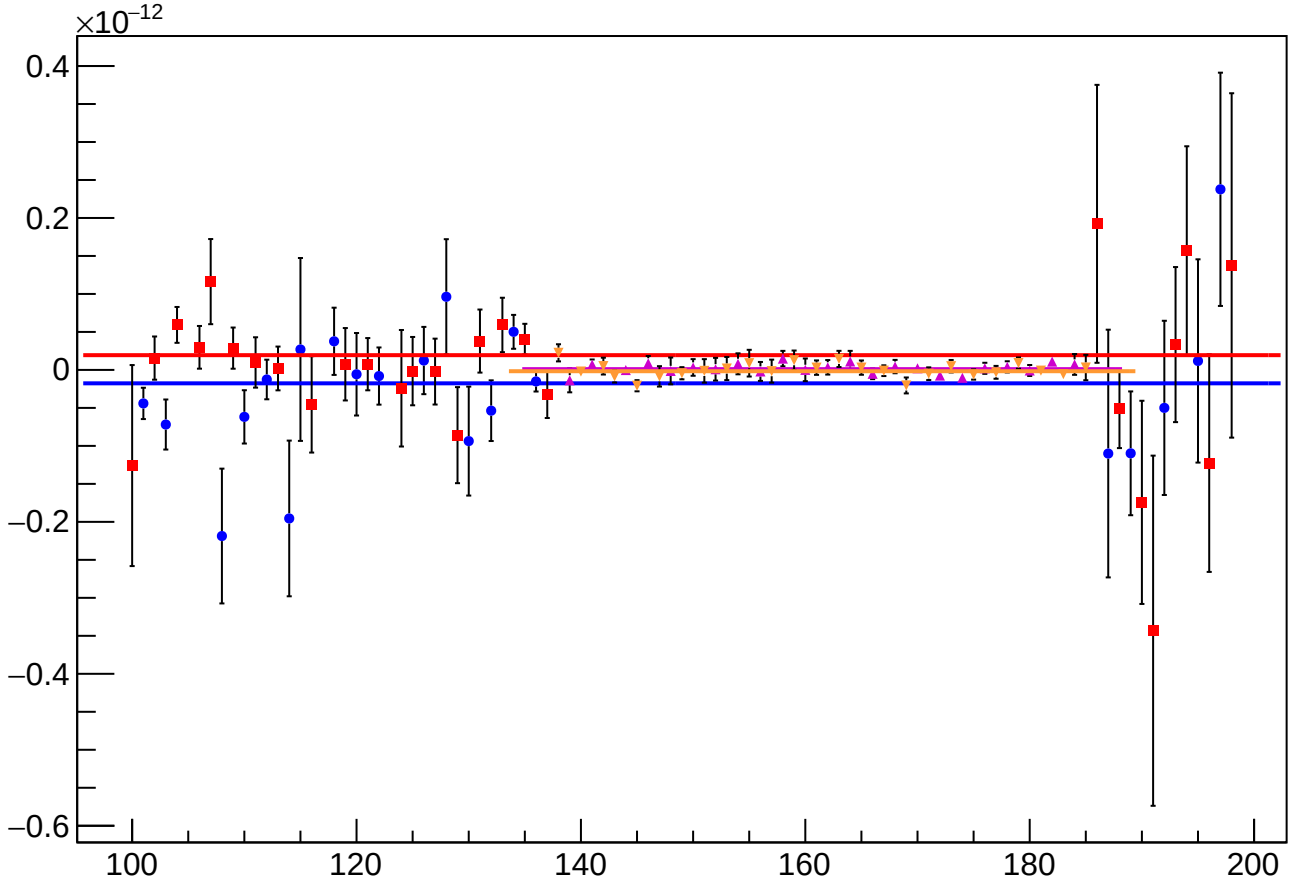
Right Out: 26.912+/-0.006 χ^2/NDF: 2362374.5/26

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.854+/-0.004 χ^2/NDF: 6603637.3/45

All: 27.062+/-0.003 χ^2/NDF: 11612981.1/95

- sign 27.264+/-0.004 χ^2/NDF: 5003433.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

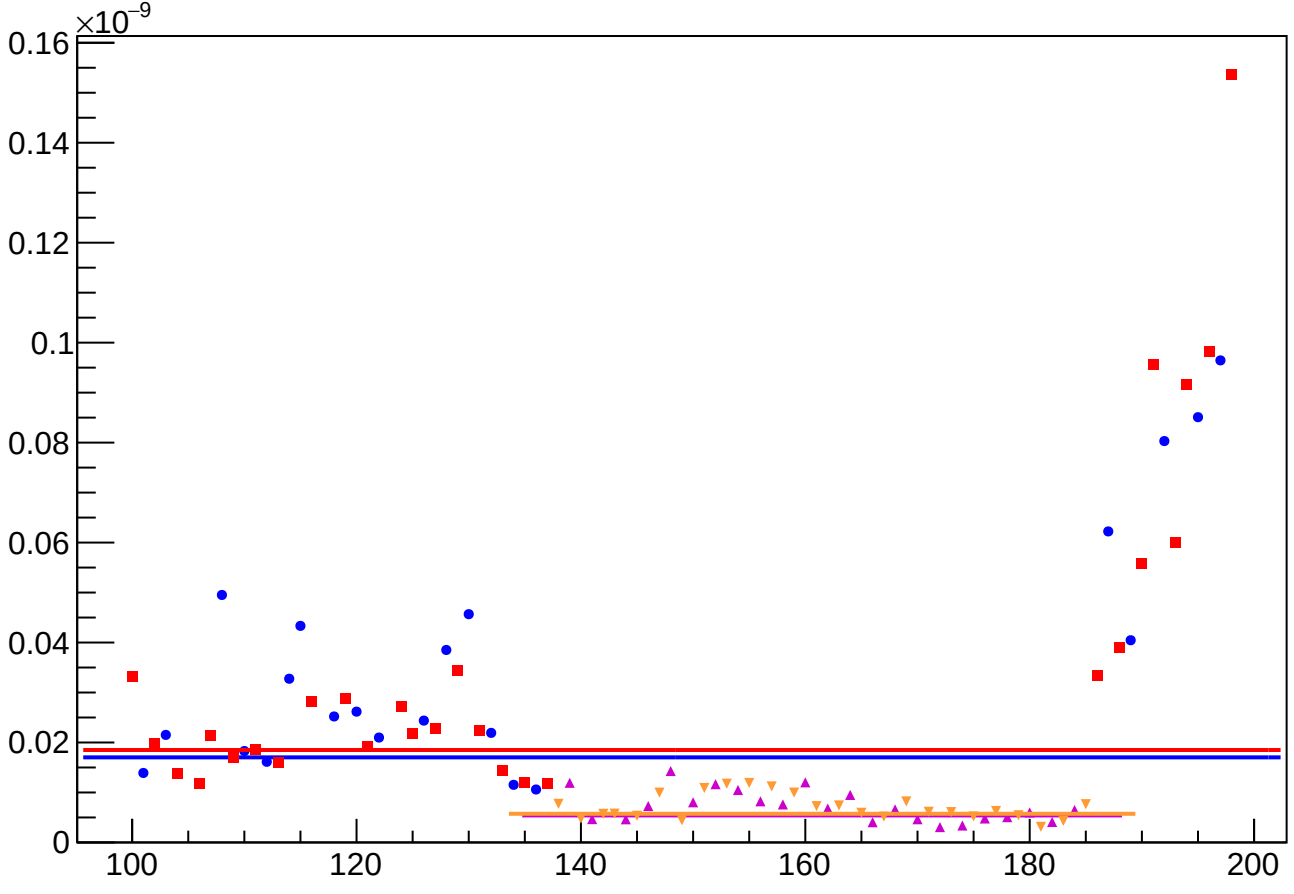
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/26

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.9/45

All: -0.000+/-0.000 χ^2/NDF: 115.9/95

- sign 0.000+/-0.000 χ^2/NDF: 49.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 3782217.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3856867.4/26

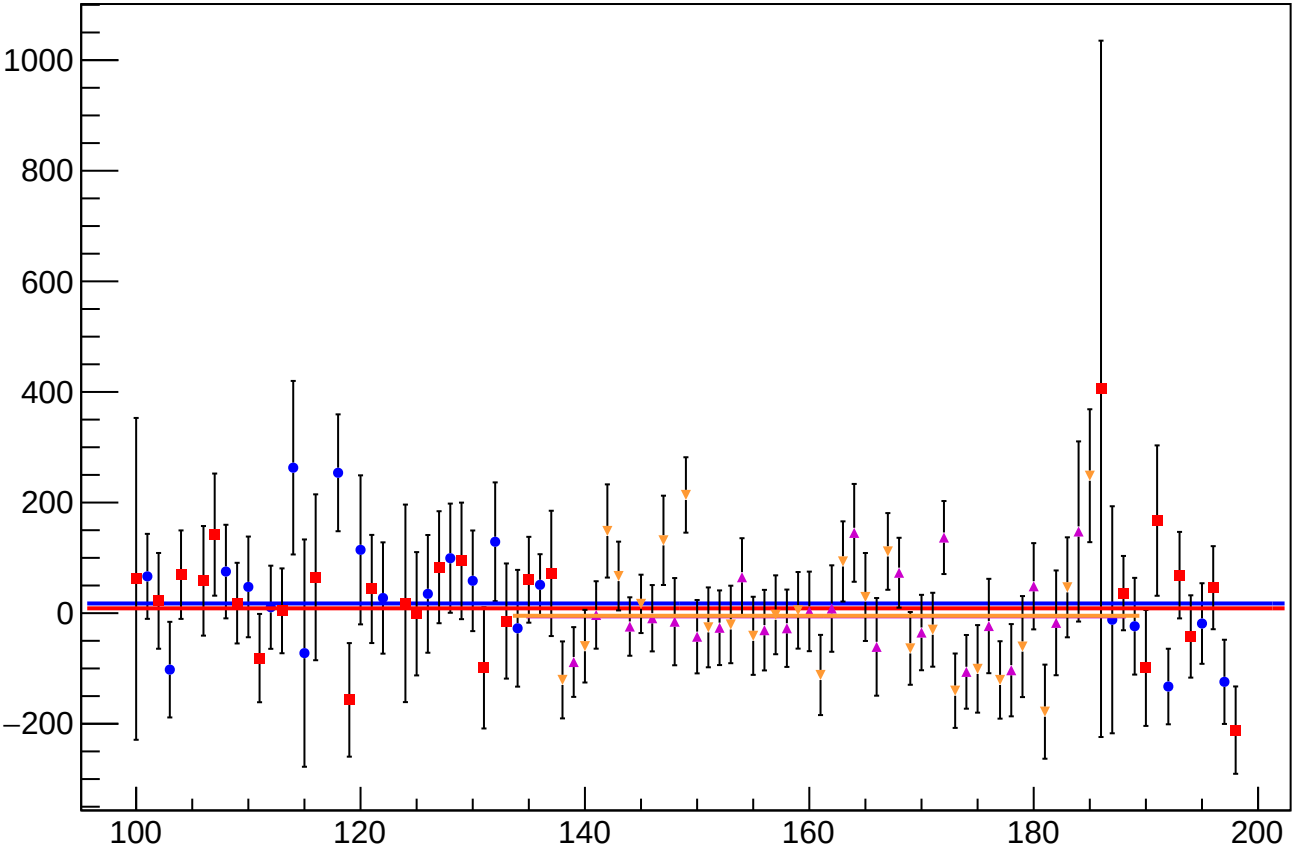
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10538874.1/45

All: 0.000+/-0.000 χ^2/NDF: 23366310.0/95

- sign 0.000+/-0.000 χ^2/NDF: 12804163.0/49

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 17.518+/-19.645 χ^2/NDF: 22.4/20

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 8.718+/-18.216 χ^2/NDF: 21.5/26

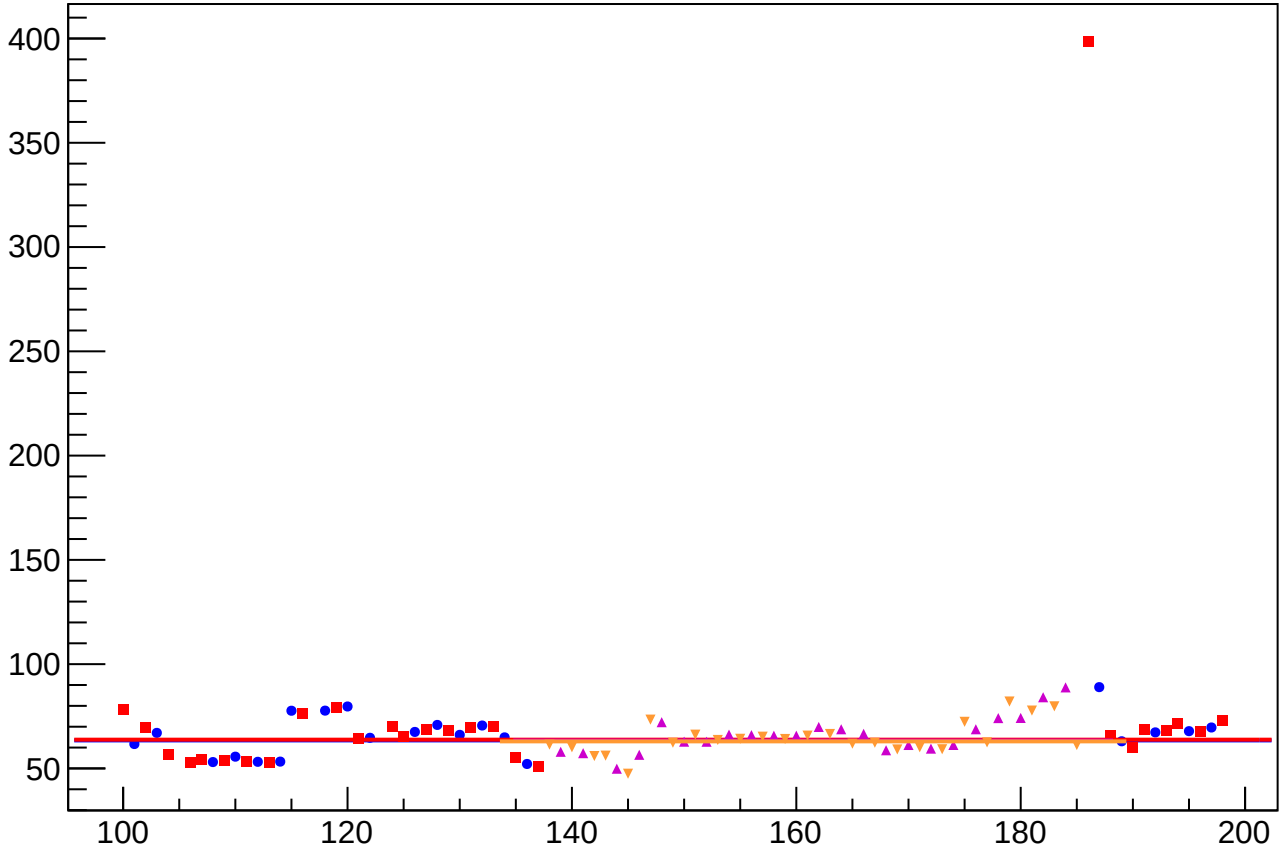
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 3.060+/-11.631 χ^2/NDF: 70.6/45

All: 1.543+/-8.195 χ^2/NDF: 110.8/95

- sign 0.048+/-11.548 χ^2/NDF: 40.2/49

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 63.436+/-0.014 χ^2/NDF: 336691.0/20

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.786+/-0.013 χ^2/NDF: 947787.0/26

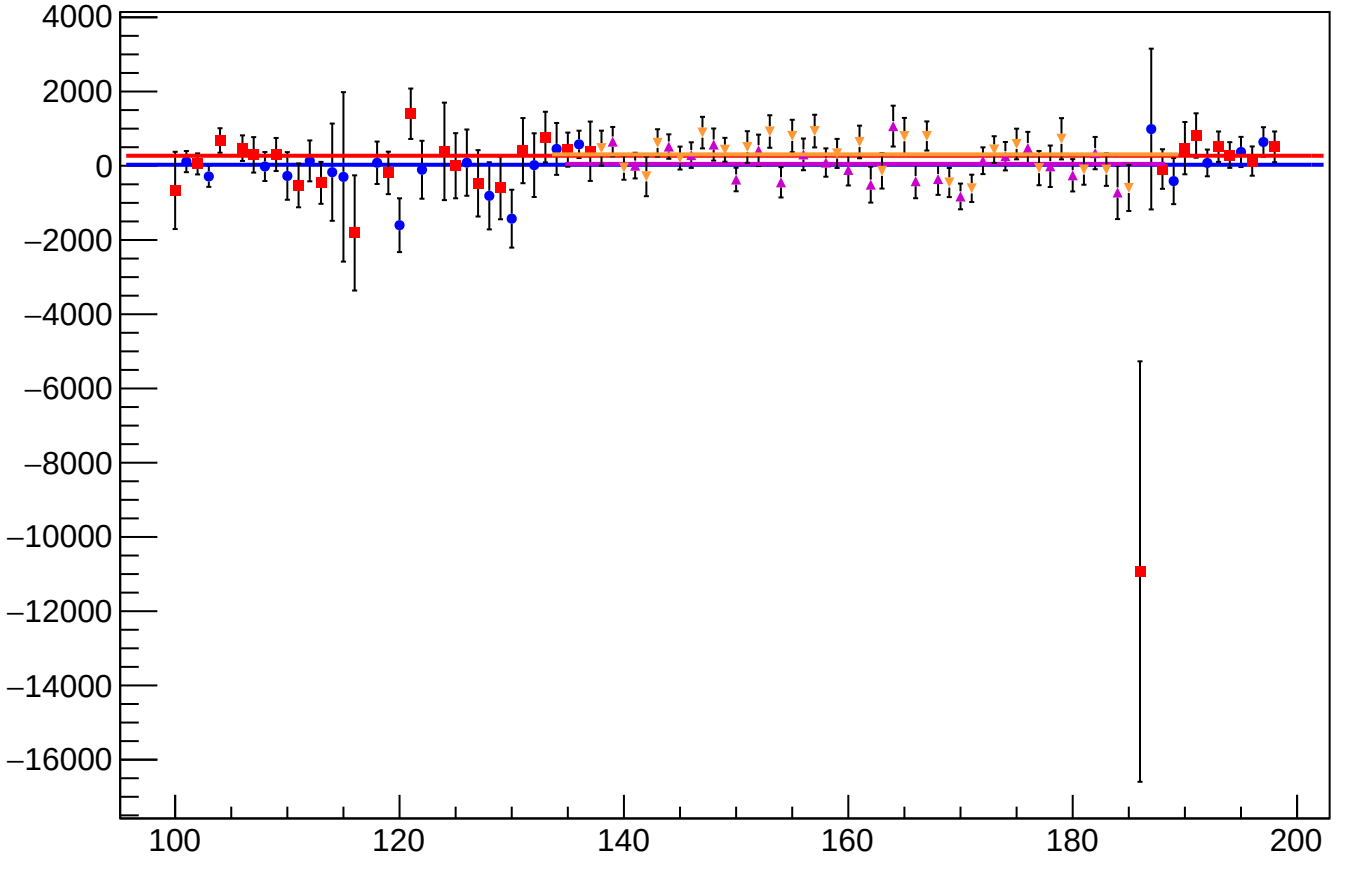
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.137+/-0.008 χ^2/NDF: 864261.4/45

All: 63.337+/-0.006 χ^2/NDF: 2310788.3/95

- sign 63.535+/-0.008 χ^2/NDF: 1445351.8/49

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: 26.869+/-110.197 χ^2/NDF: 17.5/20

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 269.785+/-99.382 χ^2/NDF: 20.7/26

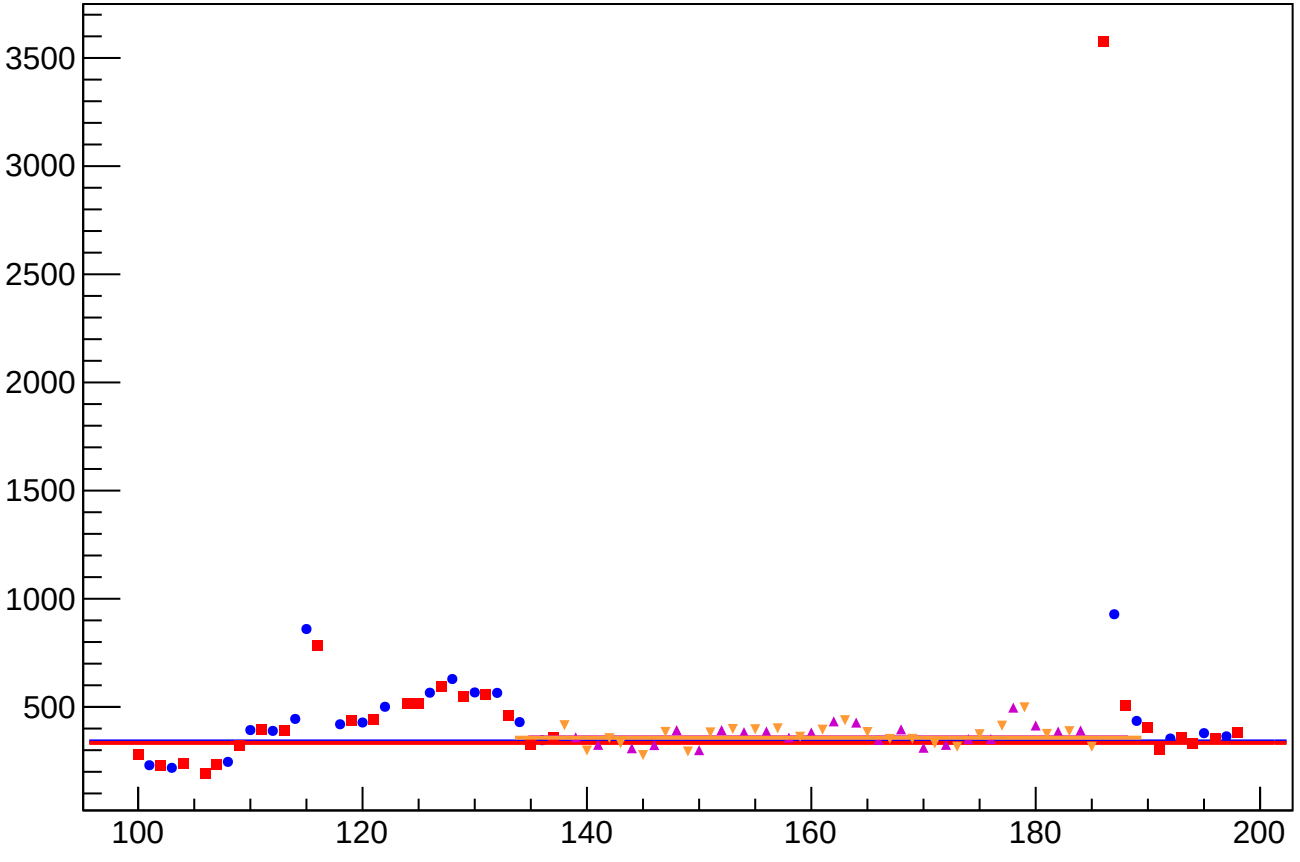
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 206.718+/-65.971 χ^2/NDF: 52.3/45

All: 173.982+/-46.129 χ^2/NDF: 103.6/95

- sign 142.666+/-64.525 χ^2/NDF: 50.8/49

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 340.499+/-0.078 χ^2/NDF: 1979858.6/20

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 333.728+/-0.070 χ^2/NDF: 2778348.4/26

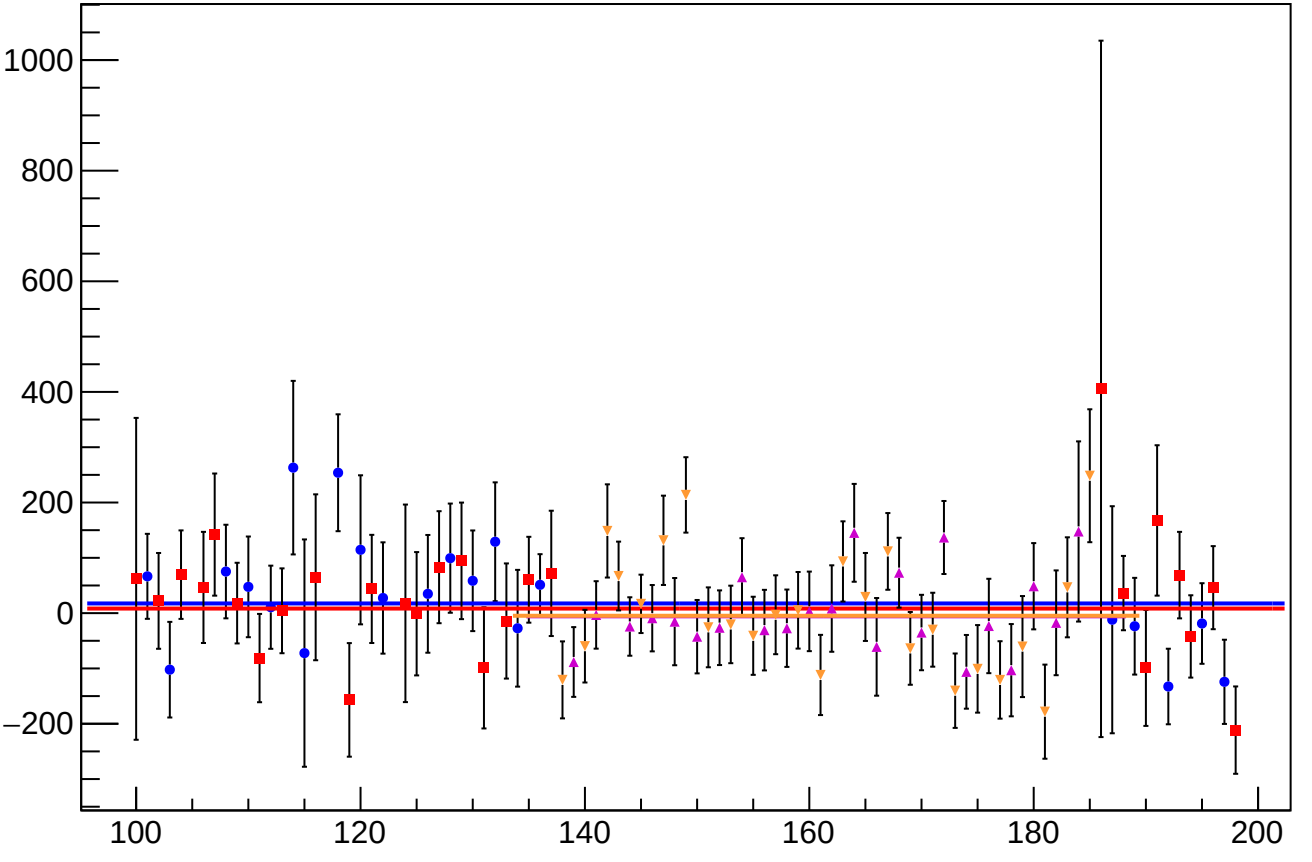
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 351.555+/-0.047 χ^2/NDF: 2694969.3/45

All: 350.019+/-0.033 χ^2/NDF: 6072097.2/95

- sign 348.549+/-0.046 χ^2/NDF: 3375005.8/49

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 17.511+/-19.645 χ^2/NDF: 22.4/20

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 8.277+/-18.225 χ^2/NDF: 21.4/26

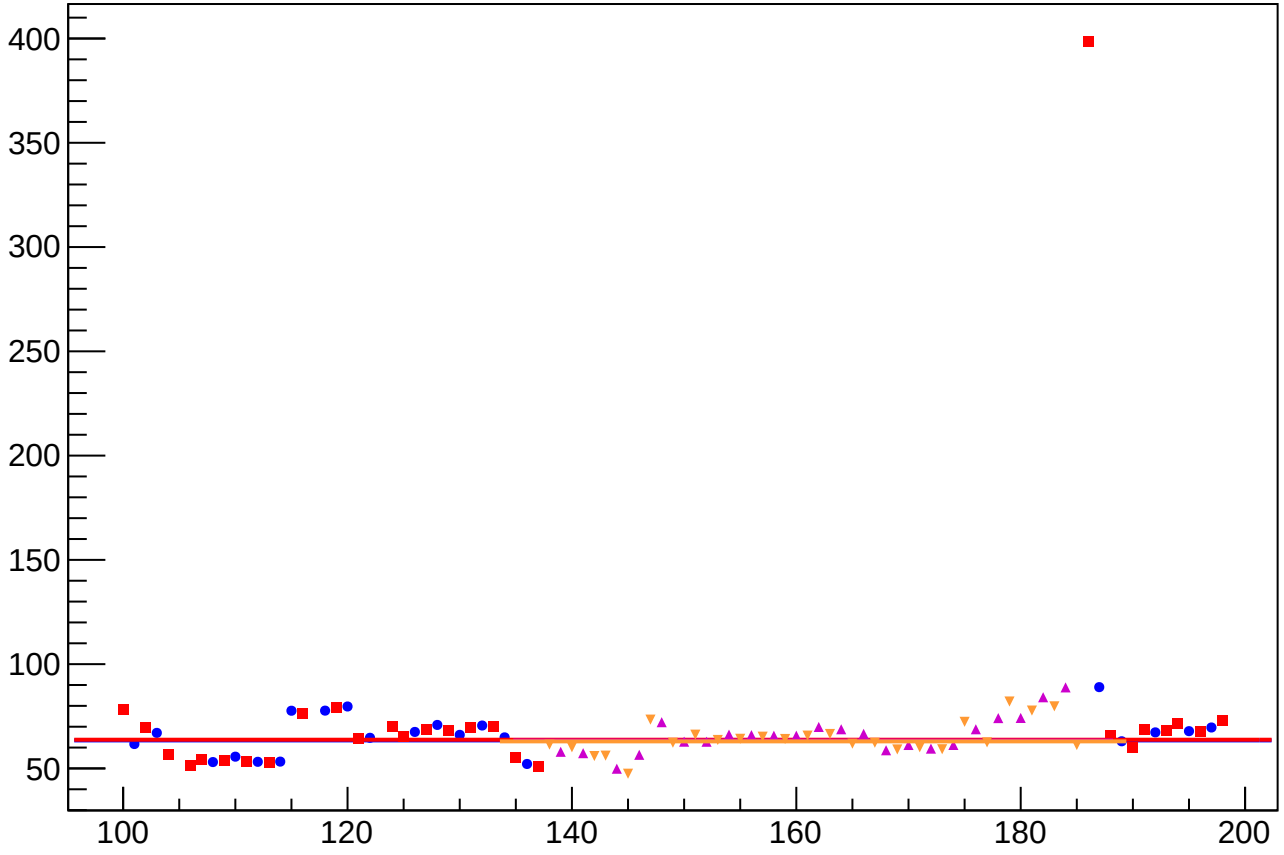
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 3.054+/-11.631 χ^2/NDF: 70.6/45

All: 1.450+/-8.195 χ^2/NDF: 110.7/95

- sign -0.131+/-11.550 χ^2/NDF: 40.1/49

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.436+/-0.014 χ^2/NDF: 336691.1/20

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

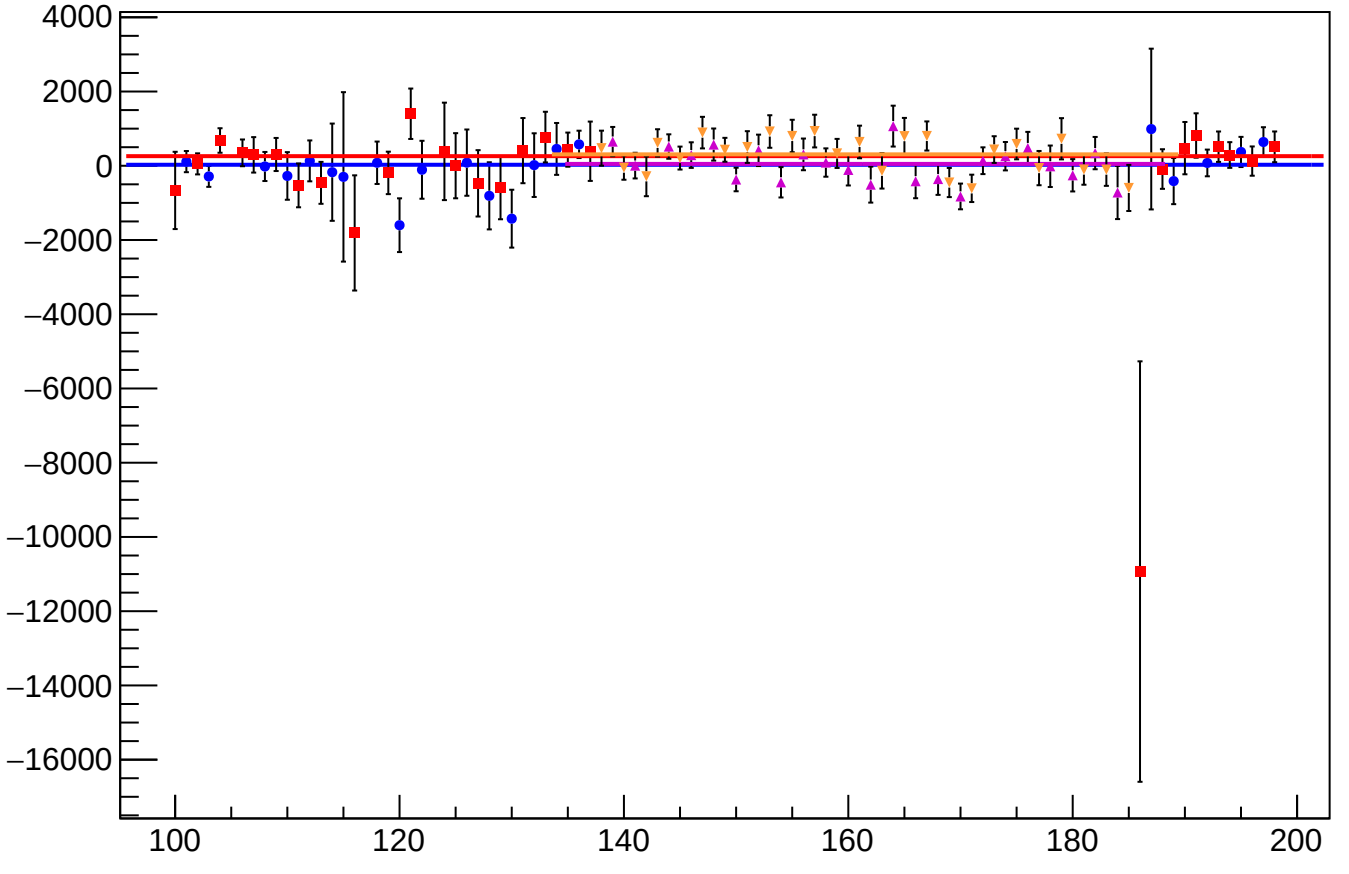
Right Out: 63.762+/-0.013 χ^2/NDF: 952043.4/26

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 63.137+/-0.008 χ^2/NDF: 864261.6/45

All: 63.332+/-0.006 χ^2/NDF: 2314917.3/95

\- sign 63.525+/-0.008 χ^2/NDF: 1449537.4/49



Right In: 26.879+/-110.197 χ^2/NDF: 17.5/20

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 258.779+/-99.752 χ^2/NDF: 20.4/26

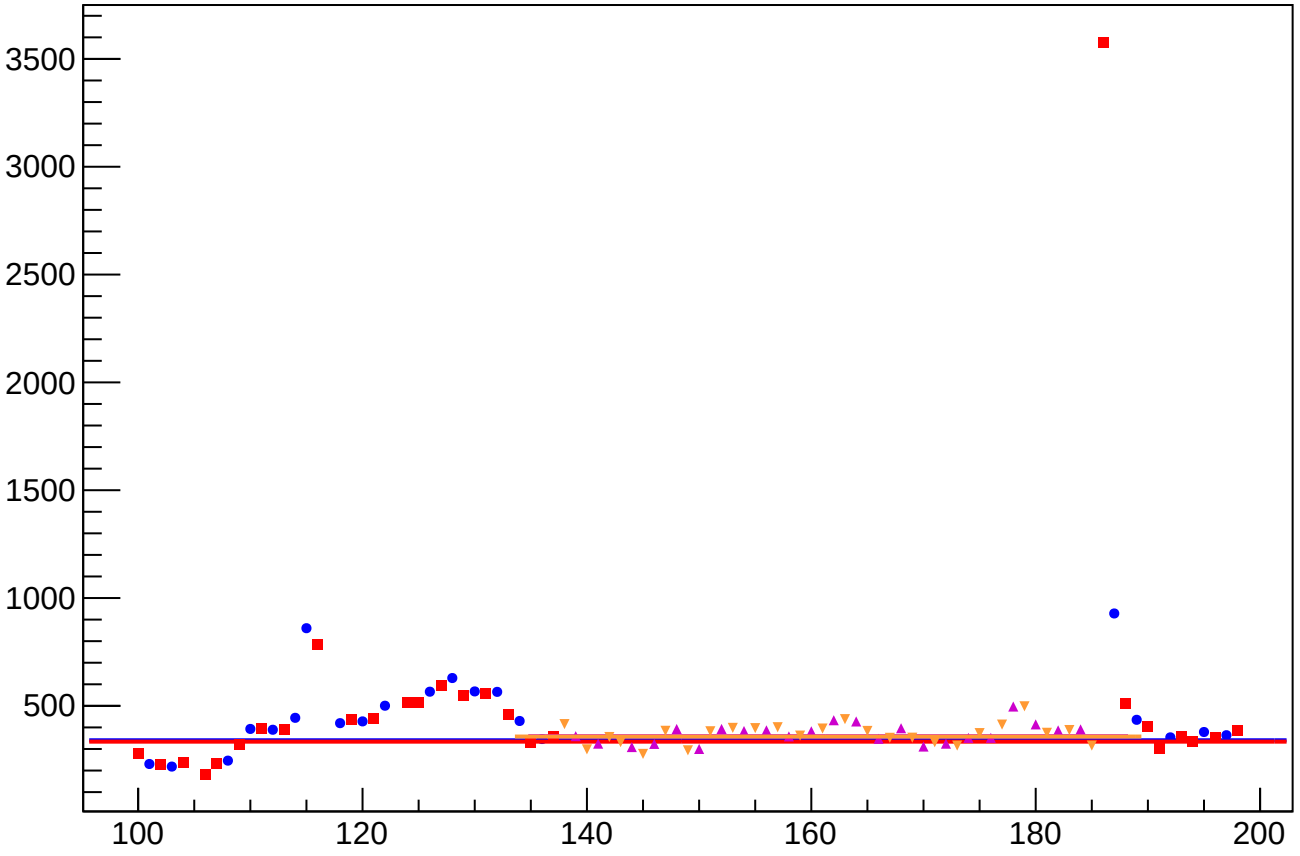
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 206.718+/-65.971 χ^2/NDF: 52.3/45

All: 171.471+/-46.166 χ^2/NDF: 103.0/95

- sign 137.647+/-64.626 χ^2/NDF: 50.2/49

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 340.501+/-0.078 χ^2/NDF: 1979786.6/20

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 334.001+/-0.071 χ^2/NDF: 2795171.7/26

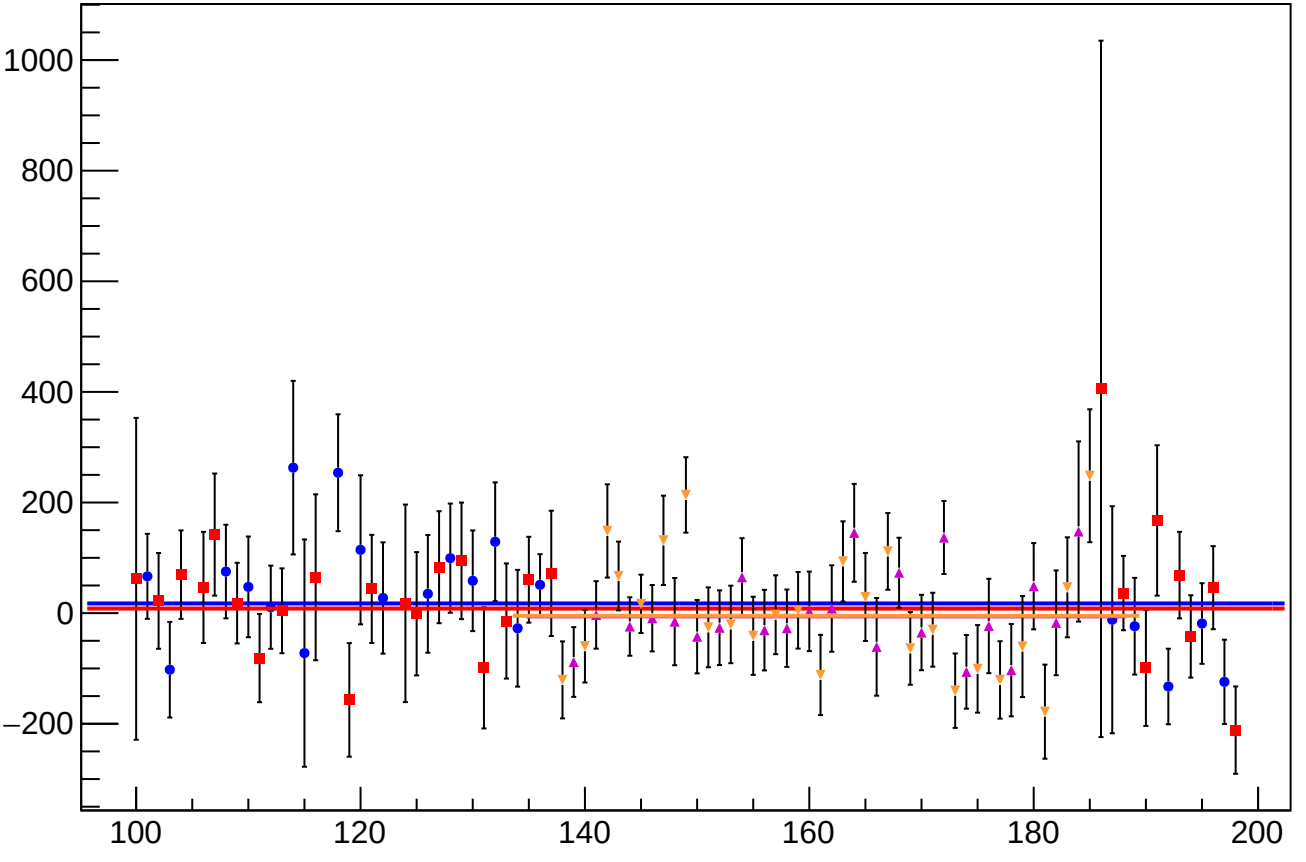
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

\+ sign 351.556+/-0.047 χ^2/NDF: 2694885.6/45

All: 350.104+/-0.033 χ^2/NDF: 6086663.1/95

\- sign 348.710+/-0.046 χ^2/NDF: 3389878.4/49

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 17.511+/-19.645 χ^2/NDF: 22.4/20

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 8.277+/-18.225 χ^2/NDF: 21.4/26

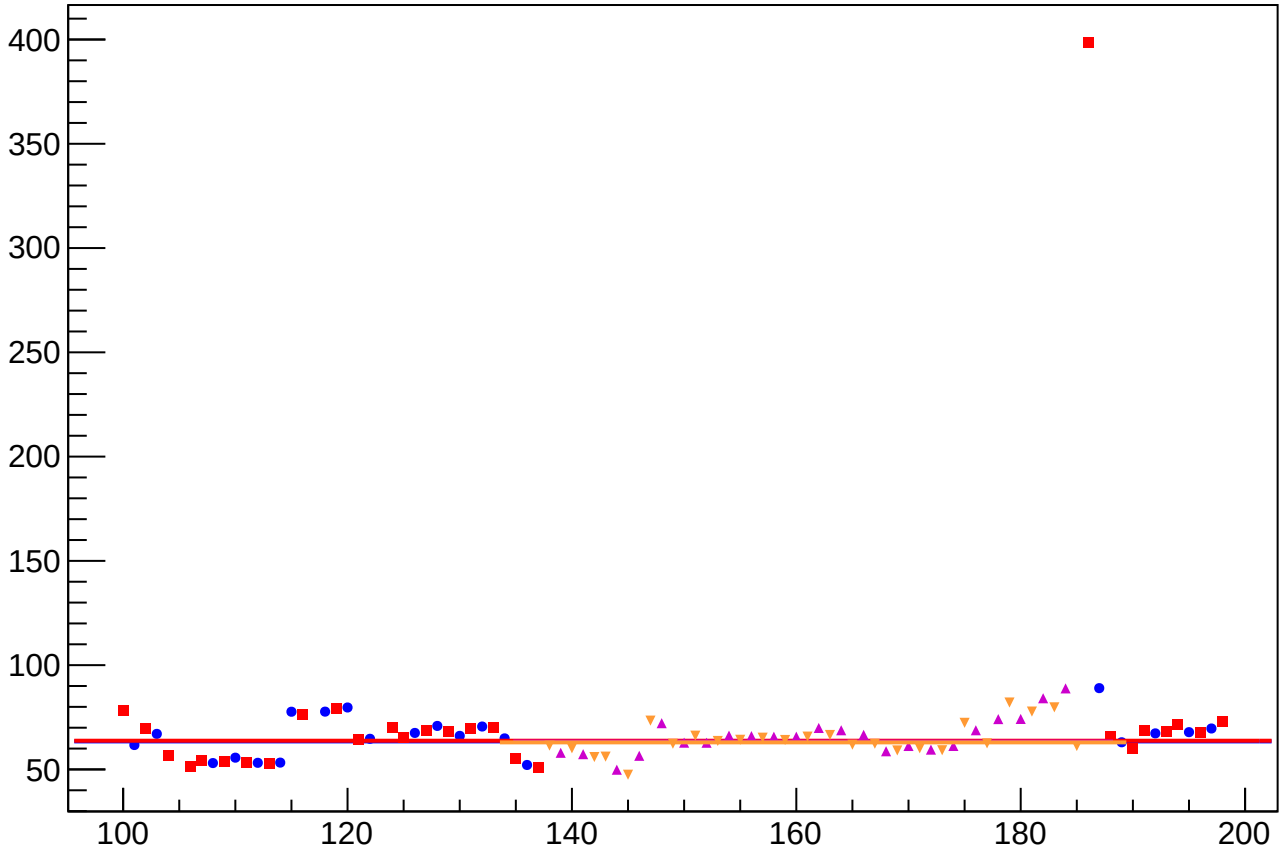
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 3.054+/-11.631 χ^2/NDF: 70.6/45

All: 1.450+/-8.195 χ^2/NDF: 110.7/95

- sign -0.131+/-11.550 χ^2/NDF: 40.1/49

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.436+/-0.014 χ^2/NDF: 336691.1/20

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

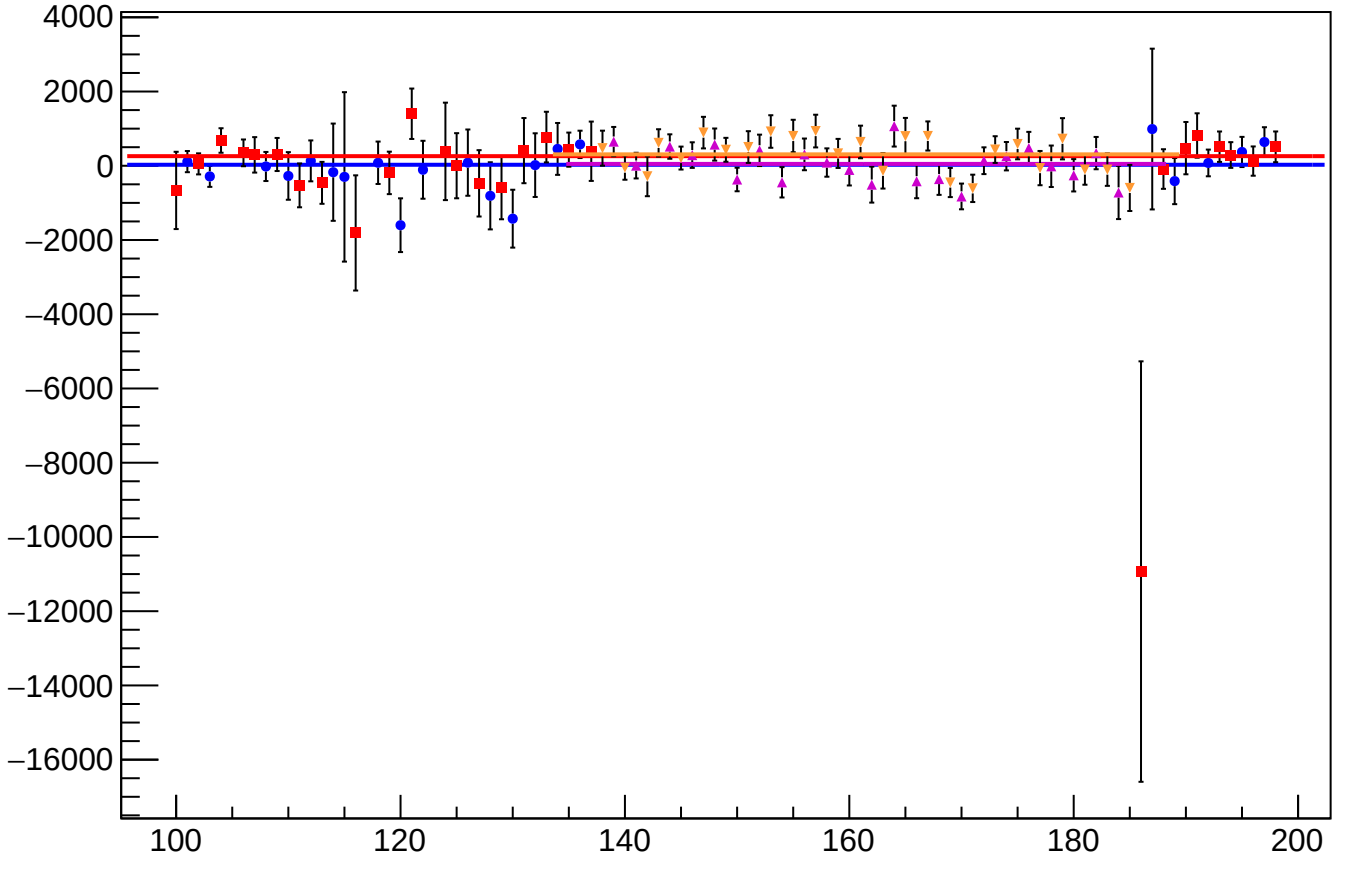
Right Out: 63.762+/-0.013 χ^2/NDF: 952043.4/26

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 63.137+/-0.008 χ^2/NDF: 864261.6/45

All: 63.332+/-0.006 χ^2/NDF: 2314917.3/95

\- sign 63.525+/-0.008 χ^2/NDF: 1449537.4/49



Right In: 26.879+/-110.197 χ^2/NDF: 17.5/20

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

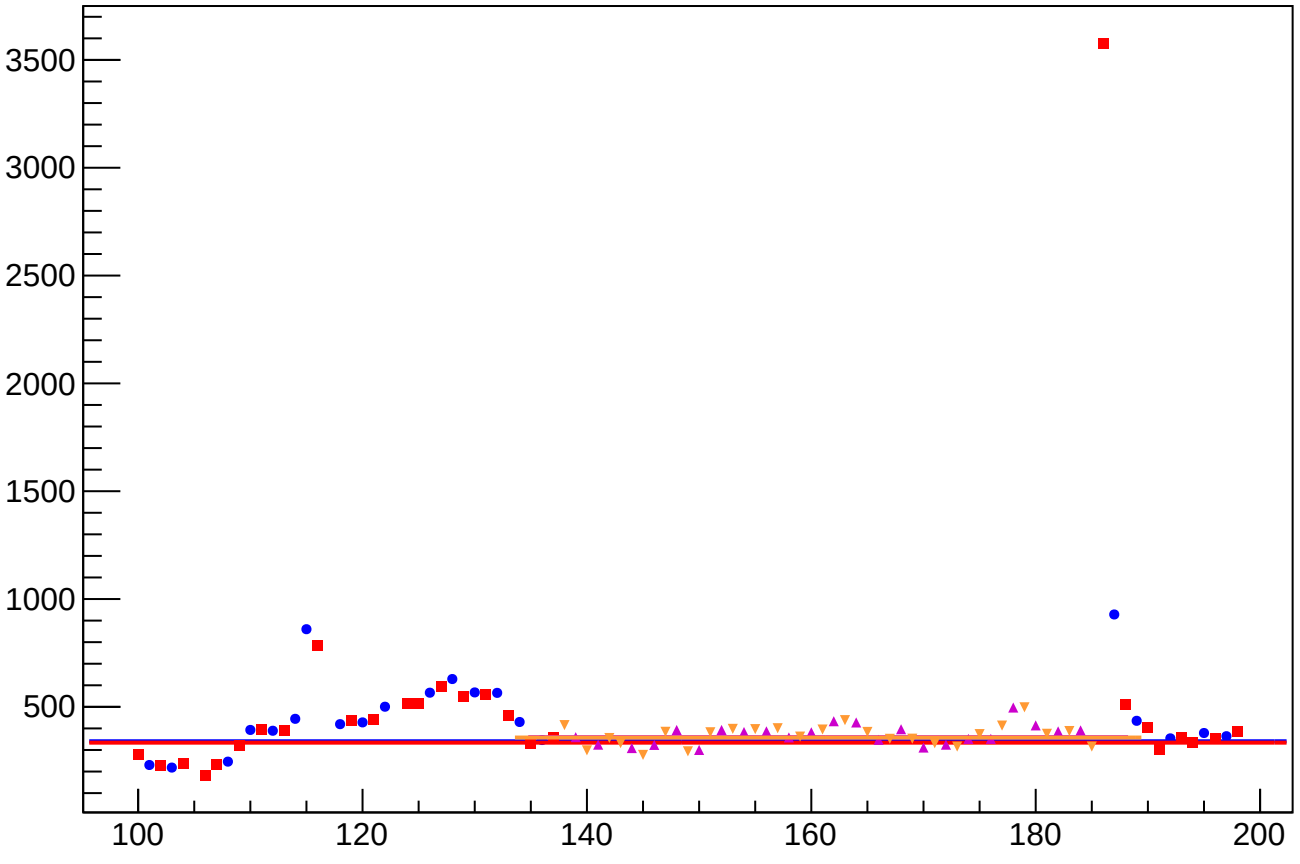
Right Out: 258.779+/-99.752 χ^2/NDF: 20.4/26

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 206.718+/-65.971 χ^2/NDF: 52.3/45

All: 171.471+/-46.166 χ^2/NDF: 103.0/95

- sign 137.647+/-64.626 χ^2/NDF: 50.2/49



Right In: 340.501+/-0.078 χ^2/NDF: 1979786.6/20

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 334.001+/-0.071 χ^2/NDF: 2795171.7/26

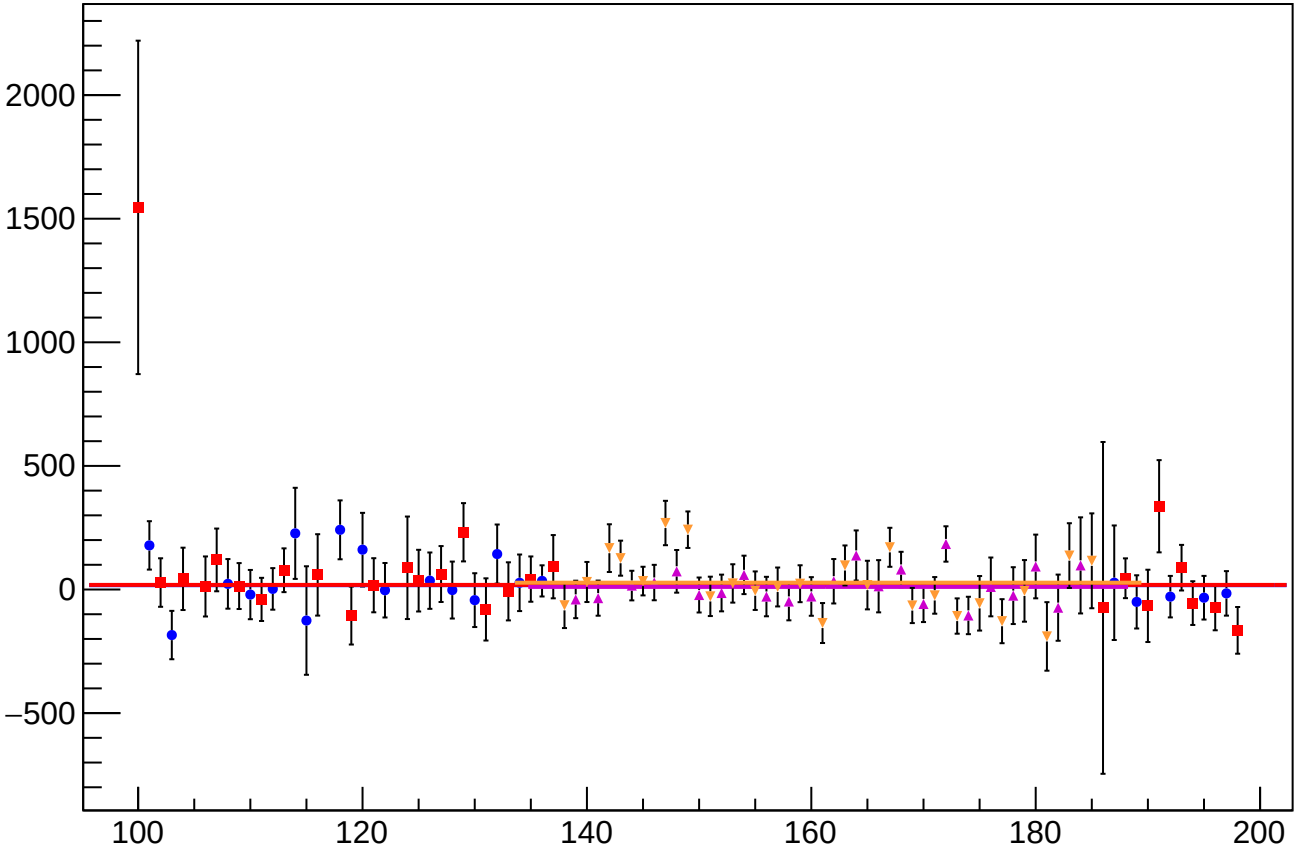
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 351.556+/-0.047 χ^2/NDF: 2694885.6/45

All: 350.104+/-0.033 χ^2/NDF: 6086663.1/95

- sign 348.710+/-0.046 χ^2/NDF: 3389878.4/49

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 17.479+/-22.752 χ^2/NDF: 16.1/20

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 18.623+/-21.658 χ^2/NDF: 22.0/26

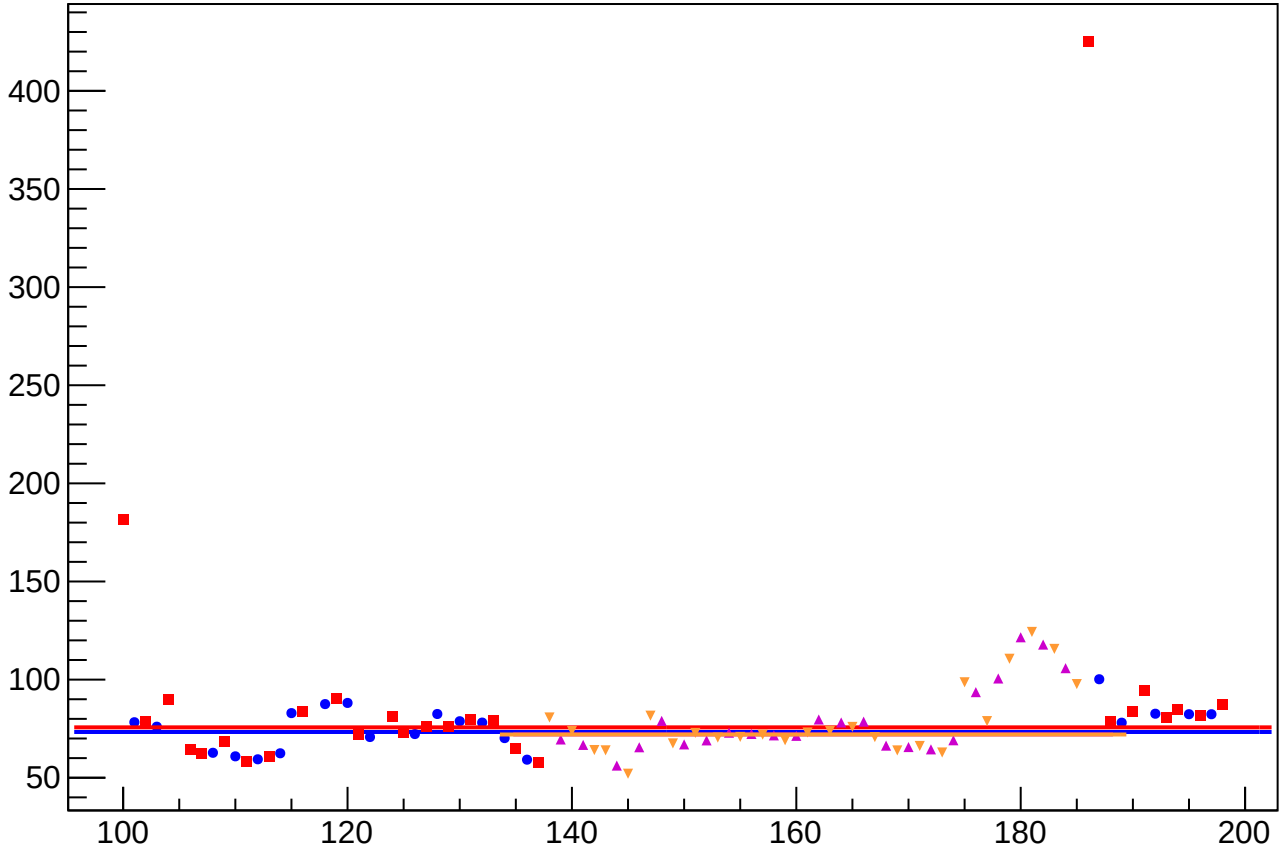
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 24.062+/-13.485 χ^2/NDF: 58.6/45

All: 18.860+/-9.534 χ^2/NDF: 97.0/95

- sign 13.660+/-13.481 χ^2/NDF: 38.2/49

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.315+/-0.016 χ^2/NDF: 394374.1/20

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.677+/-0.015 χ^2/NDF: 1013280.0/26

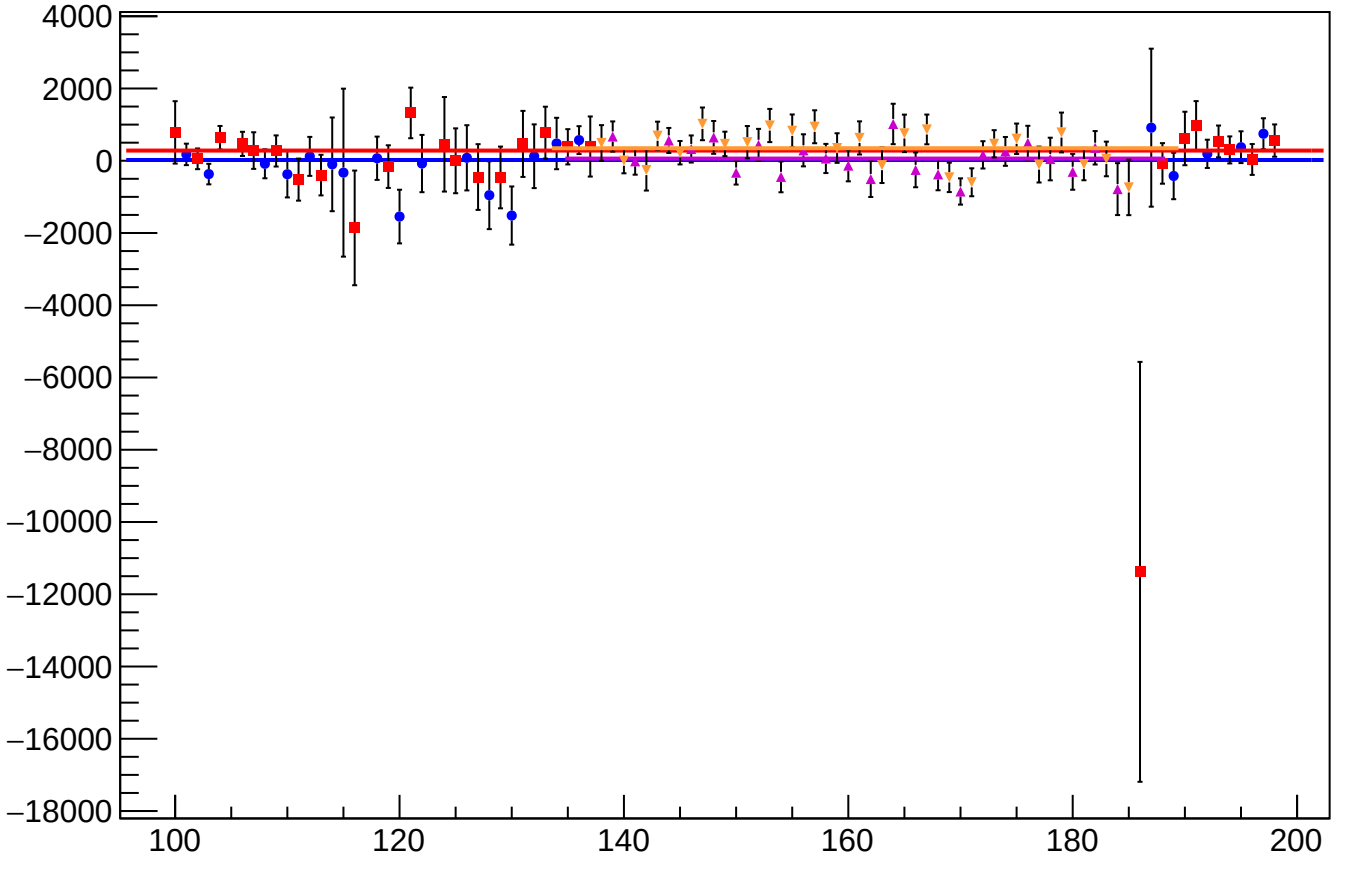
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.488+/-0.010 χ^2/NDF: 1667916.3/45

All: 72.985+/-0.007 χ^2/NDF: 3779034.1/95

- sign 73.481+/-0.010 χ^2/NDF: 2105697.1/49

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 20.906+/-114.402 χ^2/NDF: 18.7/20

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 281.607+/-102.218 χ^2/NDF: 19.2/26

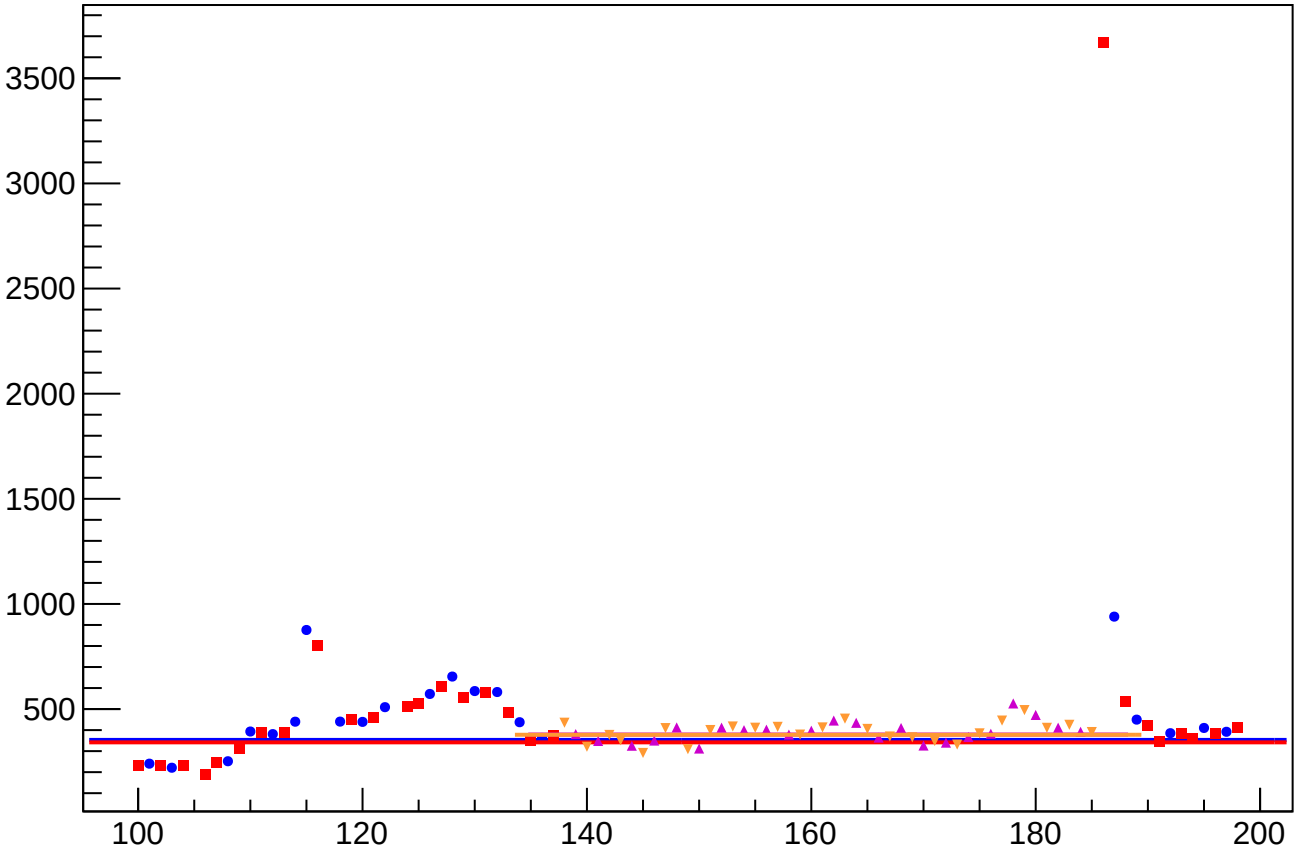
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 227.172+/-69.161 χ^2/NDF: 52.7/45

All: 190.619+/-48.232 χ^2/NDF: 101.0/95

- sign 156.007+/-67.298 χ^2/NDF: 47.7/49

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 353.317+/-0.081 χ^2/NDF: 2022968.7/20

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 341.760+/-0.072 χ^2/NDF: 3026863.6/26

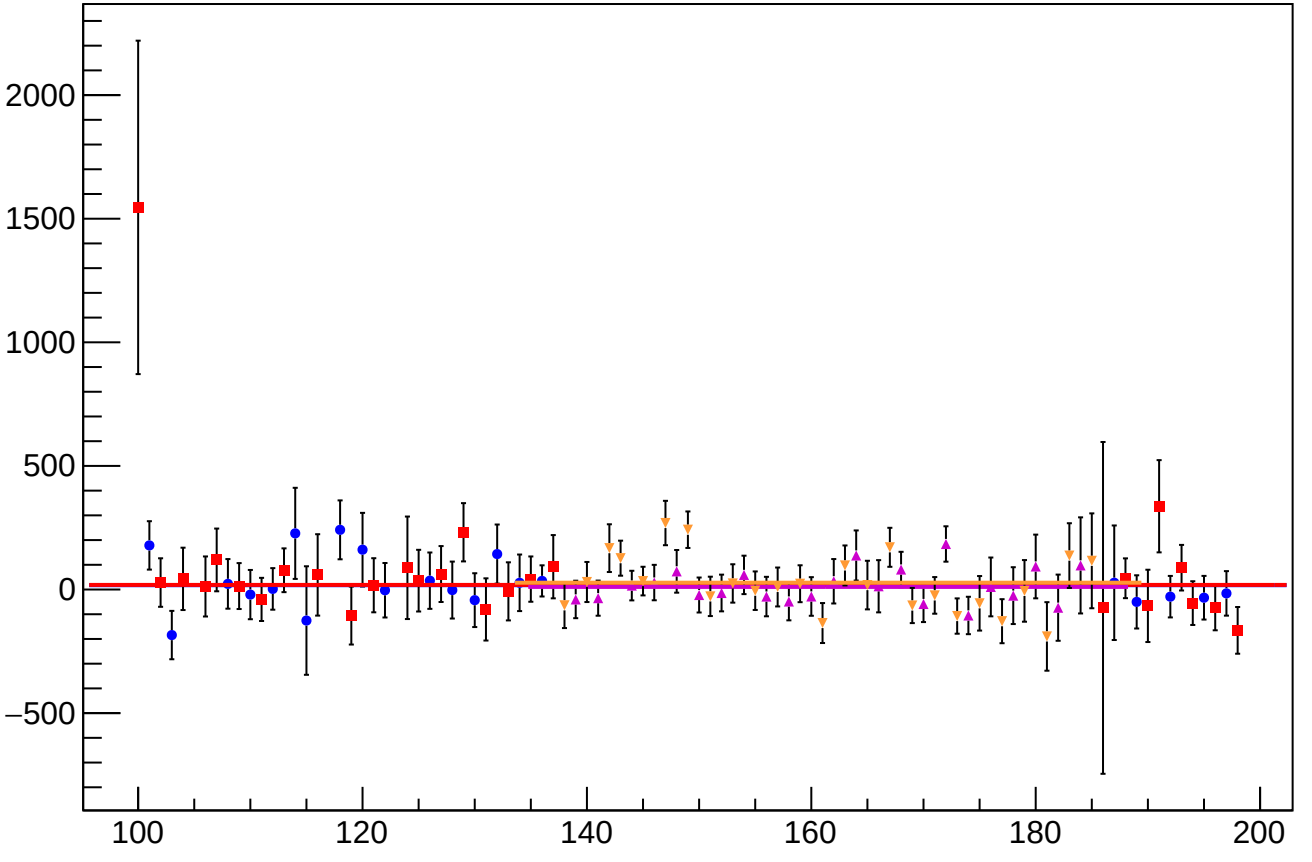
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 368.850+/-0.049 χ^2/NDF: 2717792.7/45

All: 365.734+/-0.034 χ^2/NDF: 6429580.5/95

- sign 362.784+/-0.048 χ^2/NDF: 3703884.1/49

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 17.479+/-22.752 χ^2/NDF: 16.1/20

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 18.623+/-21.658 χ^2/NDF: 22.0/26

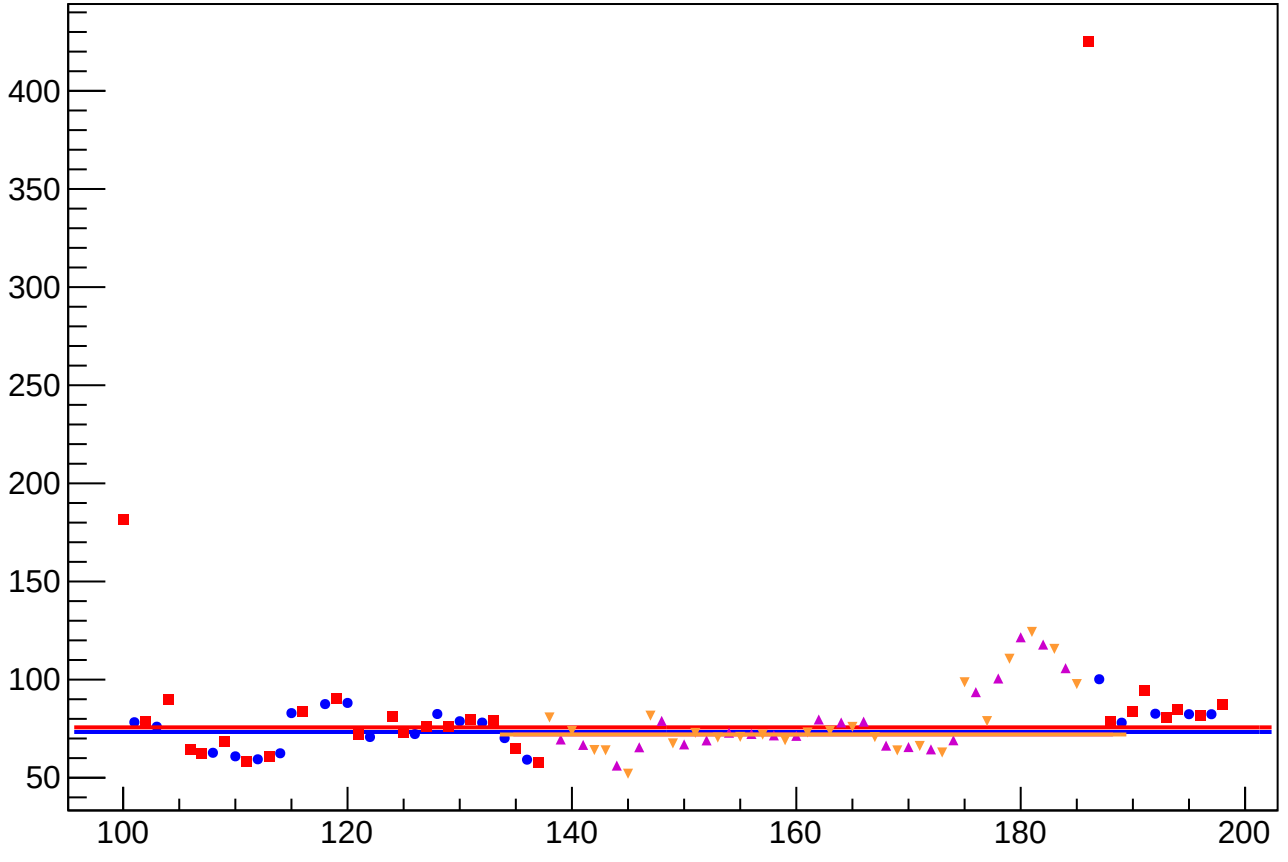
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 24.062+/-13.485 χ^2/NDF: 58.6/45

All: 18.860+/-9.534 χ^2/NDF: 97.0/95

- sign 13.660+/-13.481 χ^2/NDF: 38.2/49

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.315+/-0.016 χ^2/NDF: 394373.0/20

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

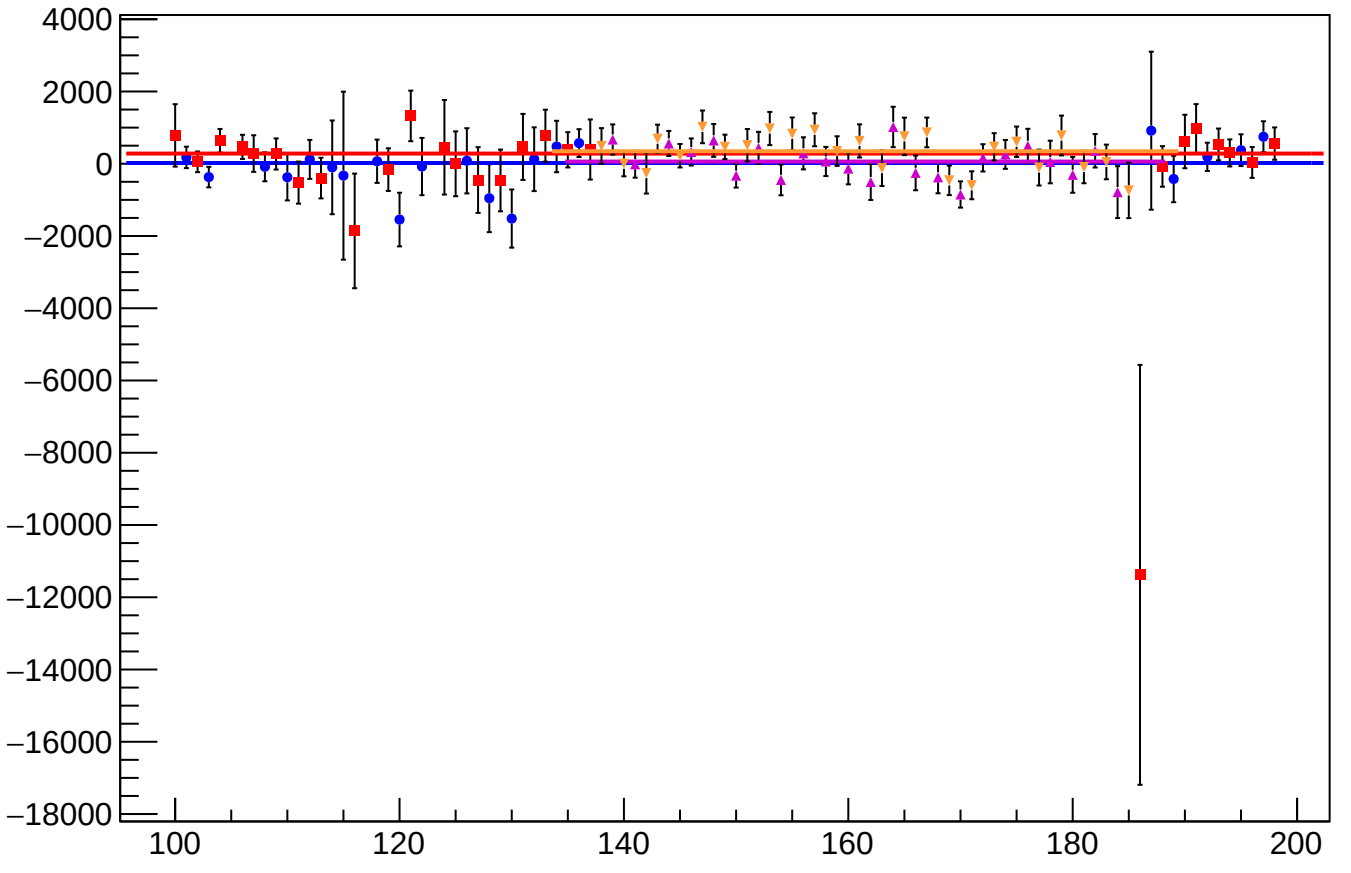
Right Out: 75.677+/-0.015 χ^2/NDF: 1013277.8/26

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.488+/-0.010 χ^2/NDF: 1667923.2/45

All: 72.985+/-0.007 χ^2/NDF: 3779028.4/95

- sign 73.481+/-0.010 χ^2/NDF: 2105685.0/49



Right In: 20.905+/-114.402 χ^2/NDF: 18.7/20

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

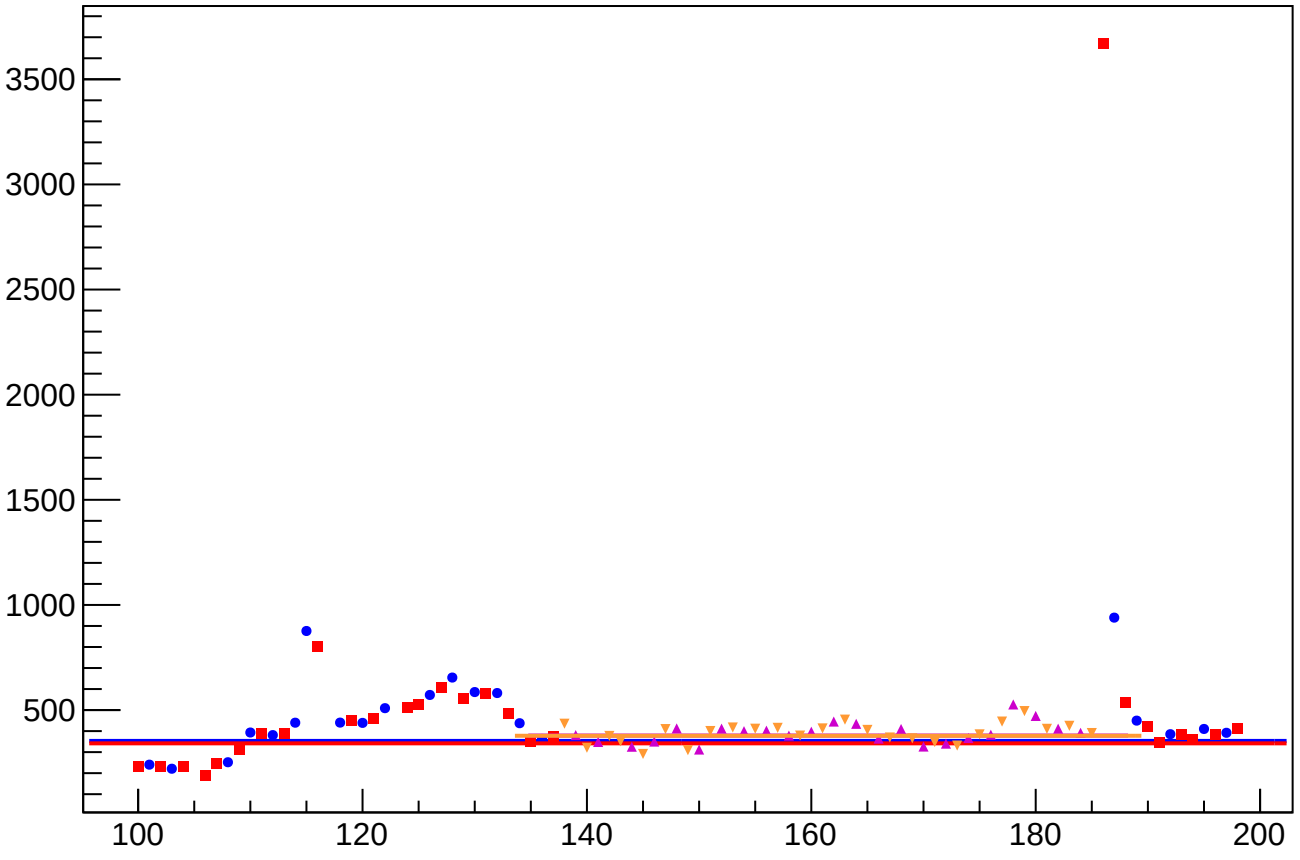
Right Out: 281.607+/-102.218 χ^2/NDF: 19.2/26

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 227.171+/-69.160 χ^2/NDF: 52.7/45

All: 190.618+/-48.232 χ^2/NDF: 101.0/95

- sign 156.007+/-67.298 χ^2/NDF: 47.7/49



Right In: 353.317+/-0.081 χ^2/NDF: 2022966.0/20

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 341.760+/-0.072 χ^2/NDF: 3026853.2/26

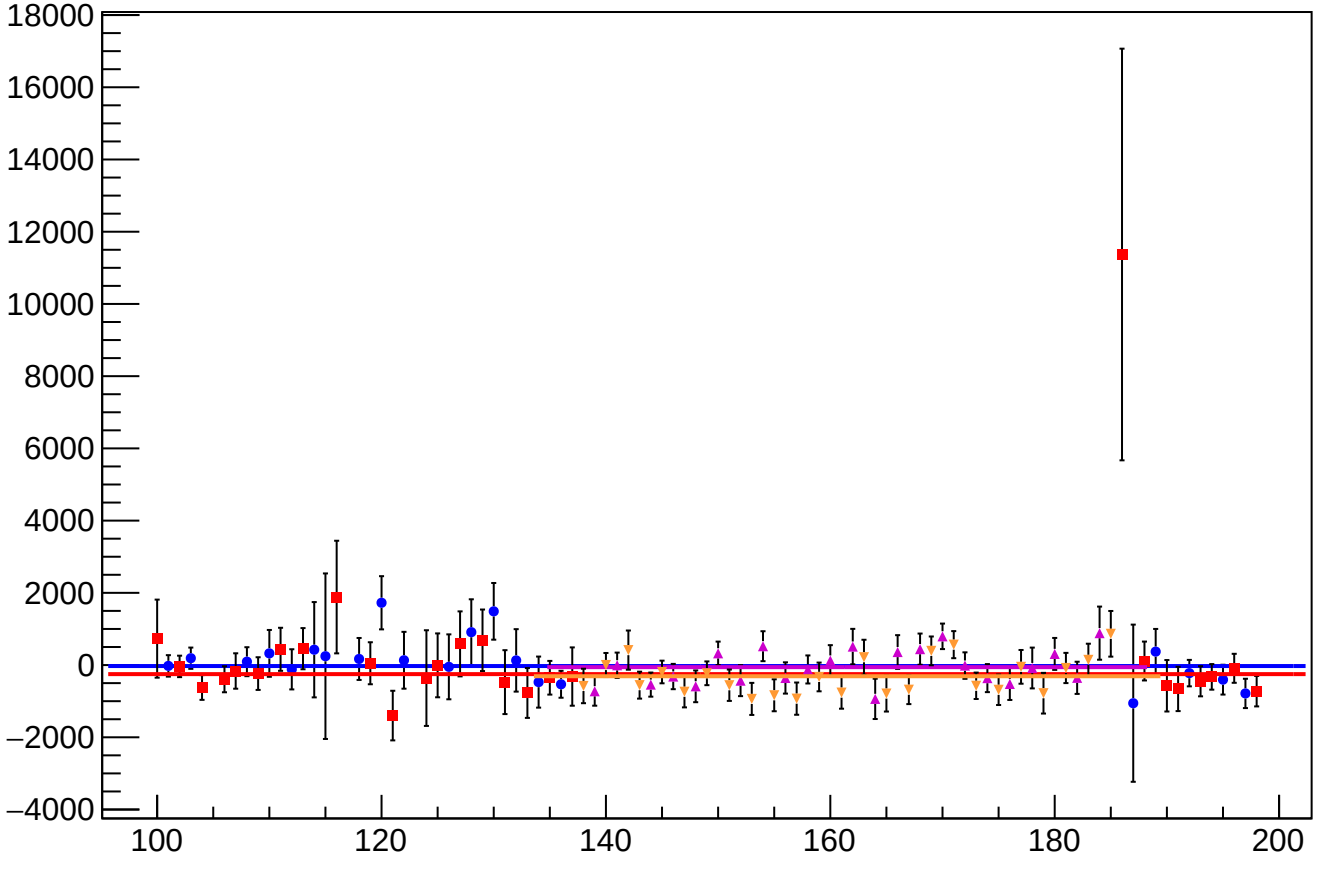
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 368.850+/-0.049 χ^2/NDF: 2717787.7/45

All: 365.734+/-0.034 χ^2/NDF: 6429560.3/95

- sign 362.783+/-0.048 χ^2/NDF: 3703868.7/49

asym_sam_37_48_dd_mean vs Slug



Right In: -26.948+/-112.781 χ^2/NDF: 19.2/20

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -250.707+/-101.830 χ^2/NDF: 20.3/26

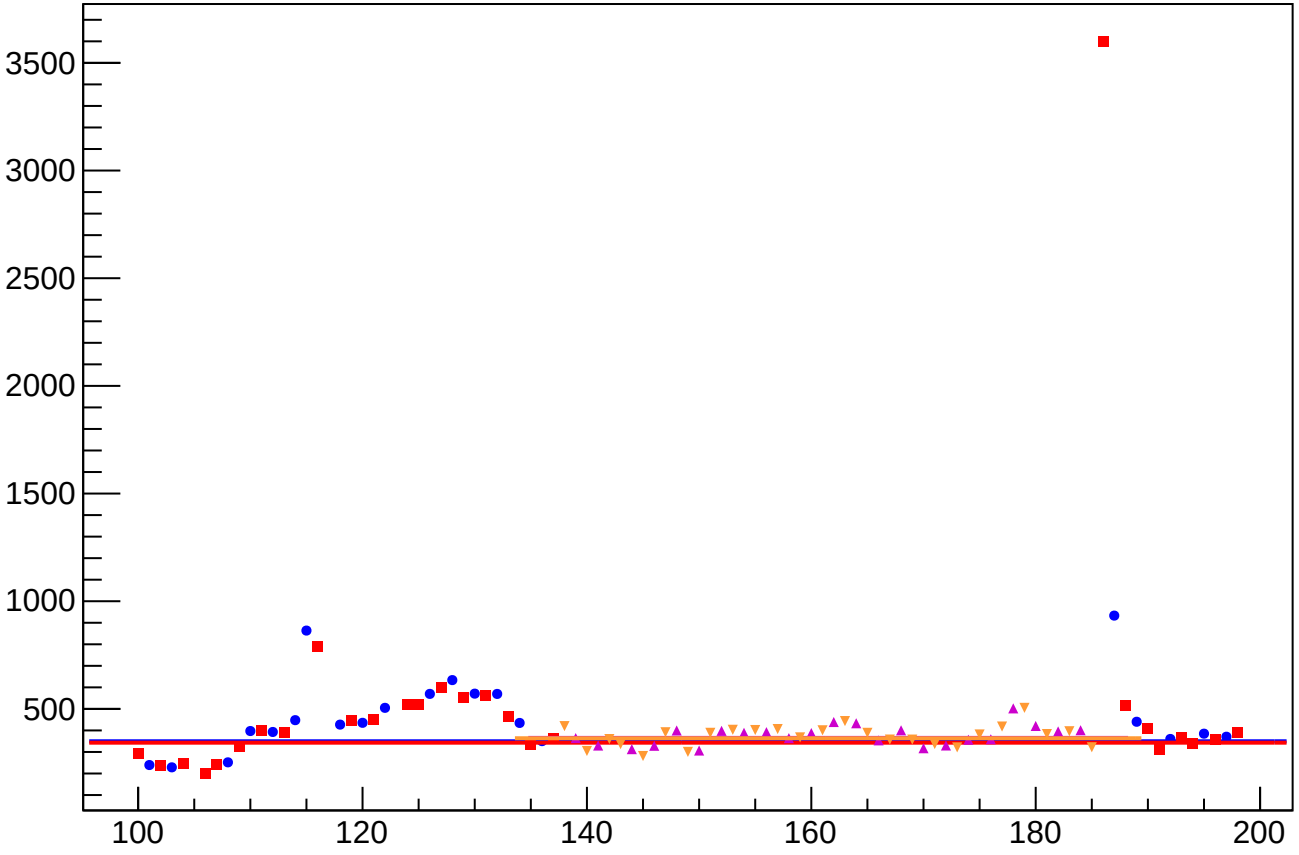
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -209.030+/-67.215 χ^2/NDF: 53.2/45

All: -172.866+/-47.021 χ^2/NDF: 104.1/95

- sign -138.205+/-65.803 χ^2/NDF: 50.4/49

asym_sam_37_48_dd_rms vs Slug



Right In: 349.680+/-0.080 χ^2/NDF: 1847008.3/20

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

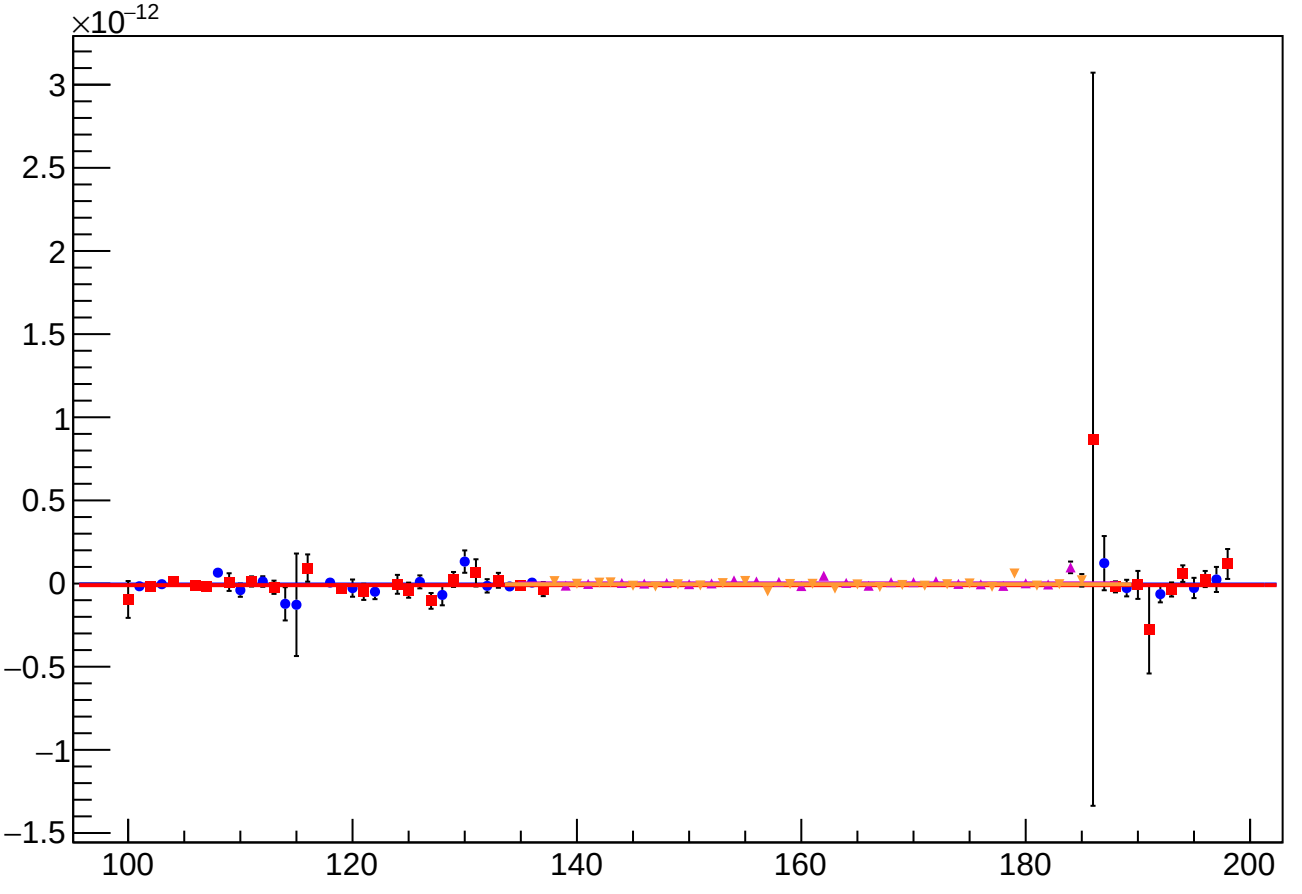
Right Out: 343.159+/-0.072 χ^2/NDF: 2623038.4/26

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 358.729+/-0.048 χ^2/NDF: 2536220.3/45

All: 357.371+/-0.033 χ^2/NDF: 5725545.8/95

- sign 356.068+/-0.047 χ^2/NDF: 3187724.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/26

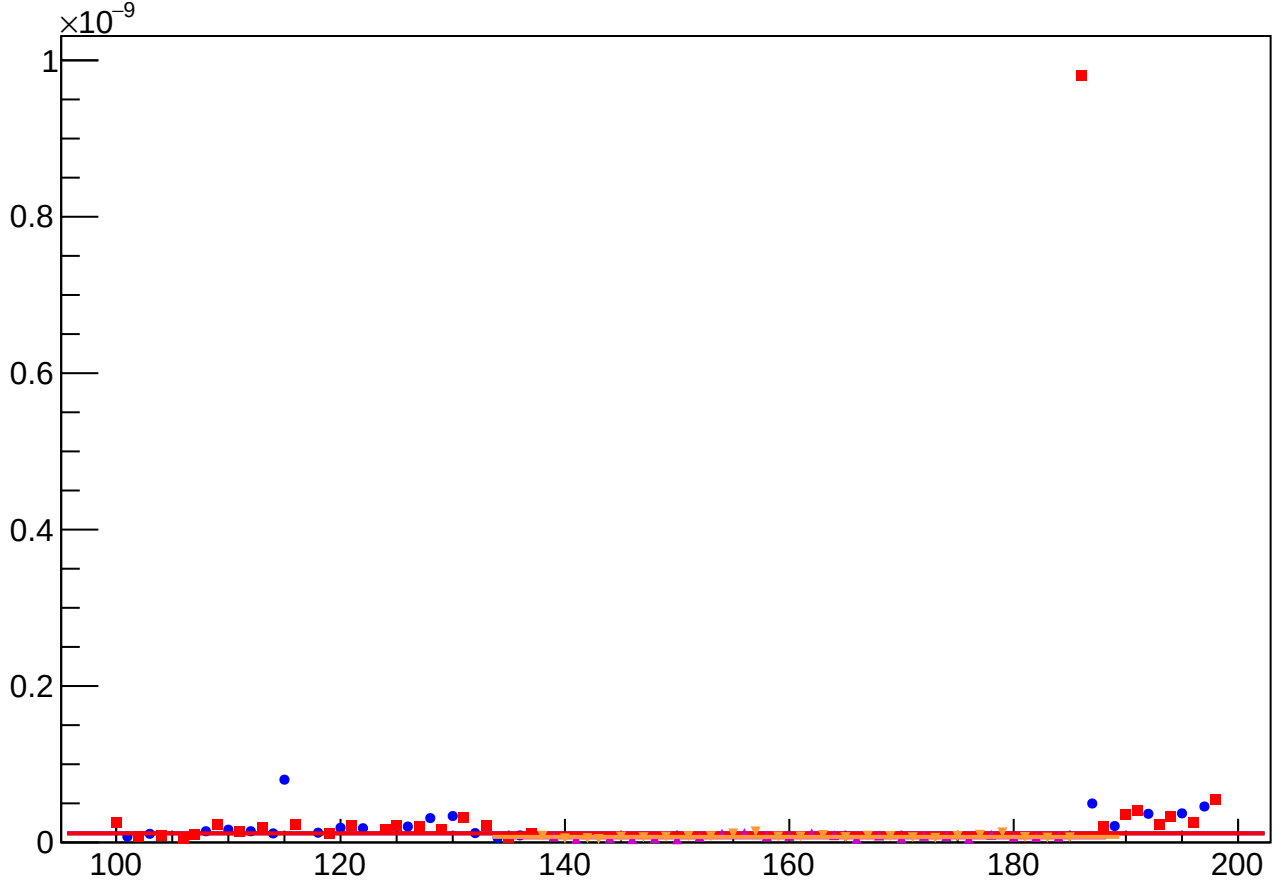
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/45

All: -0.000+/-0.000 χ^2/NDF: 85.2/95

- sign -0.000+/-0.000 χ^2/NDF: 43.0/49

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2705275.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3418854.7/26

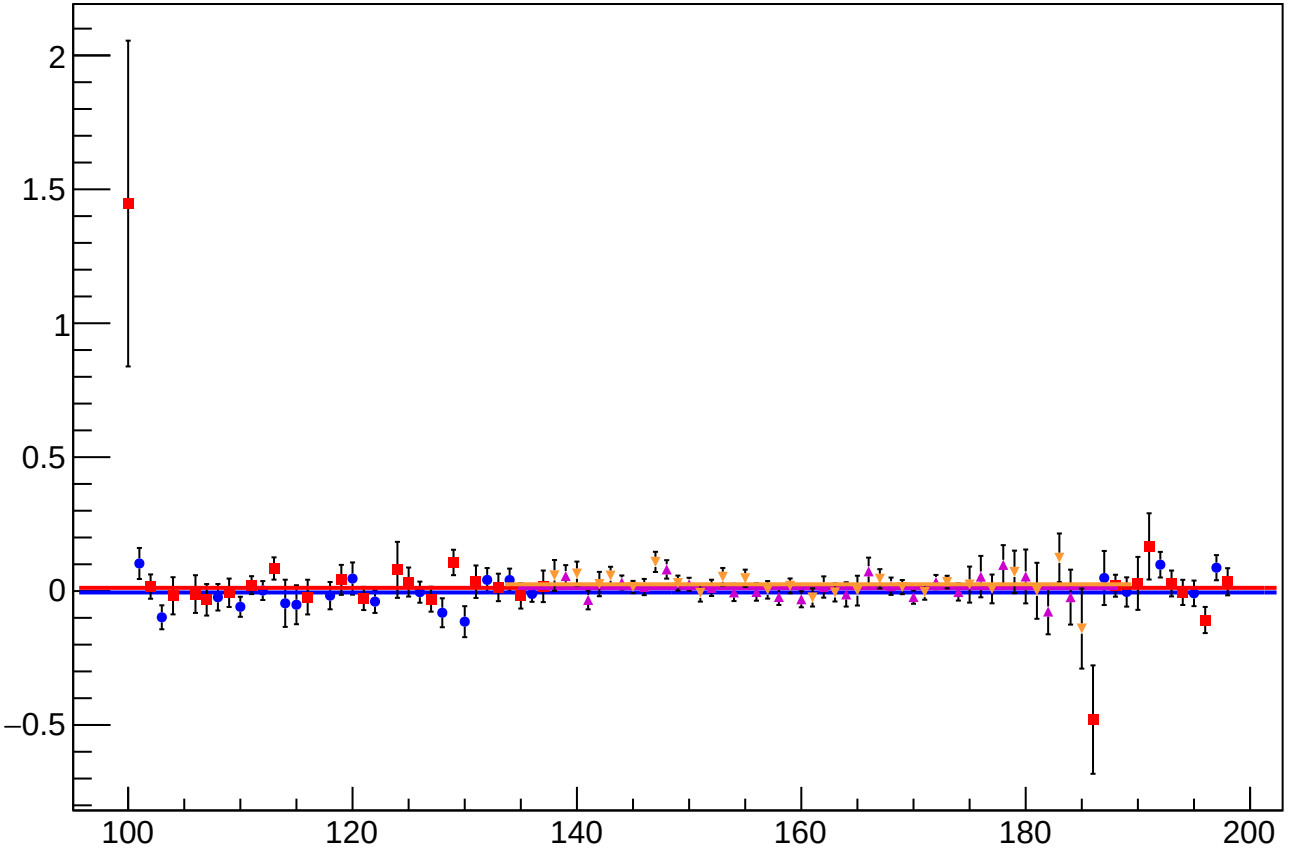
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4451037.3/45

All: 0.000+/-0.000 χ^2/NDF: 10343413.6/95

- sign 0.000+/-0.000 χ^2/NDF: 5844186.9/49

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.012+/-0.010 χ^2/NDF: 31.1/26

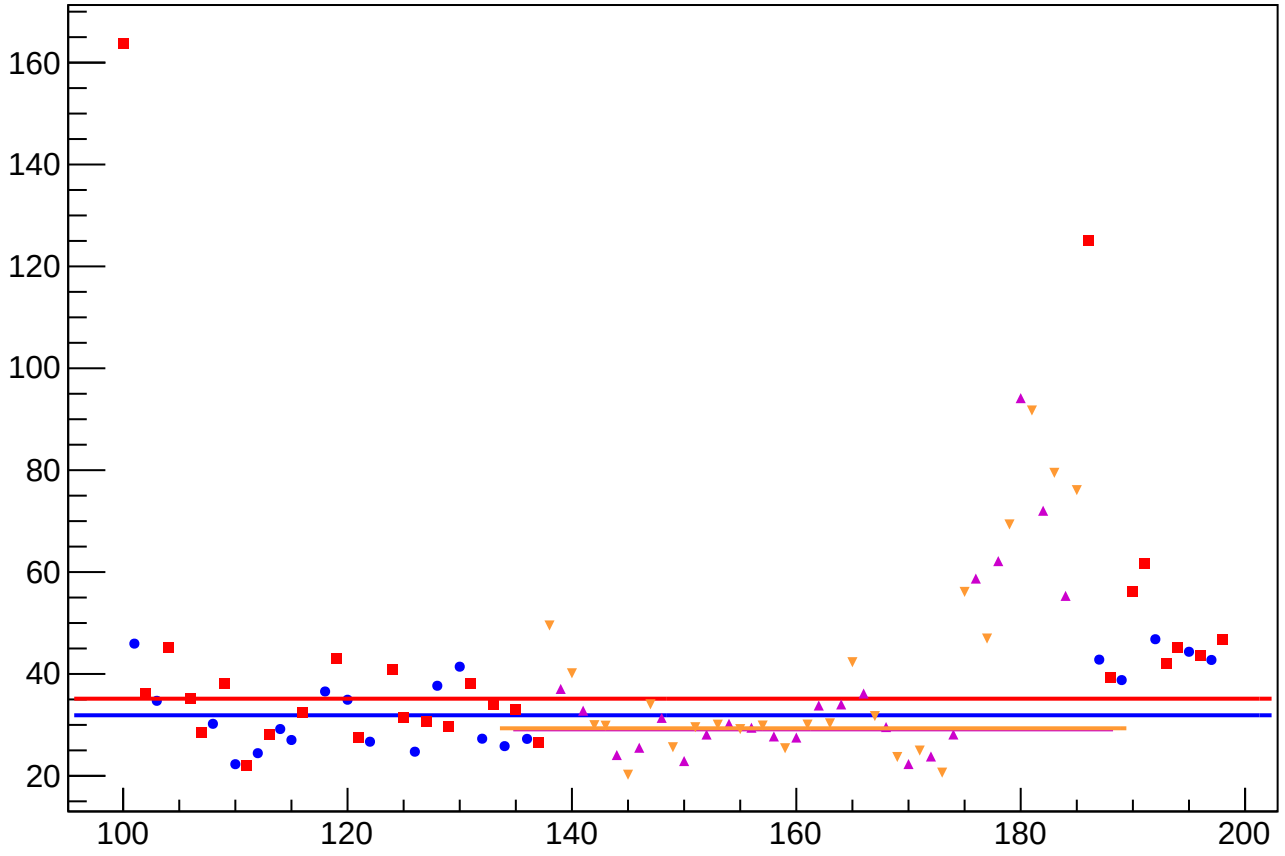
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.015+/-0.006 χ^2/NDF: 52.2/45

All: 0.013+/-0.004 χ^2/NDF: 102.5/95

- sign 0.011+/-0.006 χ^2/NDF: 50.1/49

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.890+/-0.007 χ^2/NDF: 1159979.1/20

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

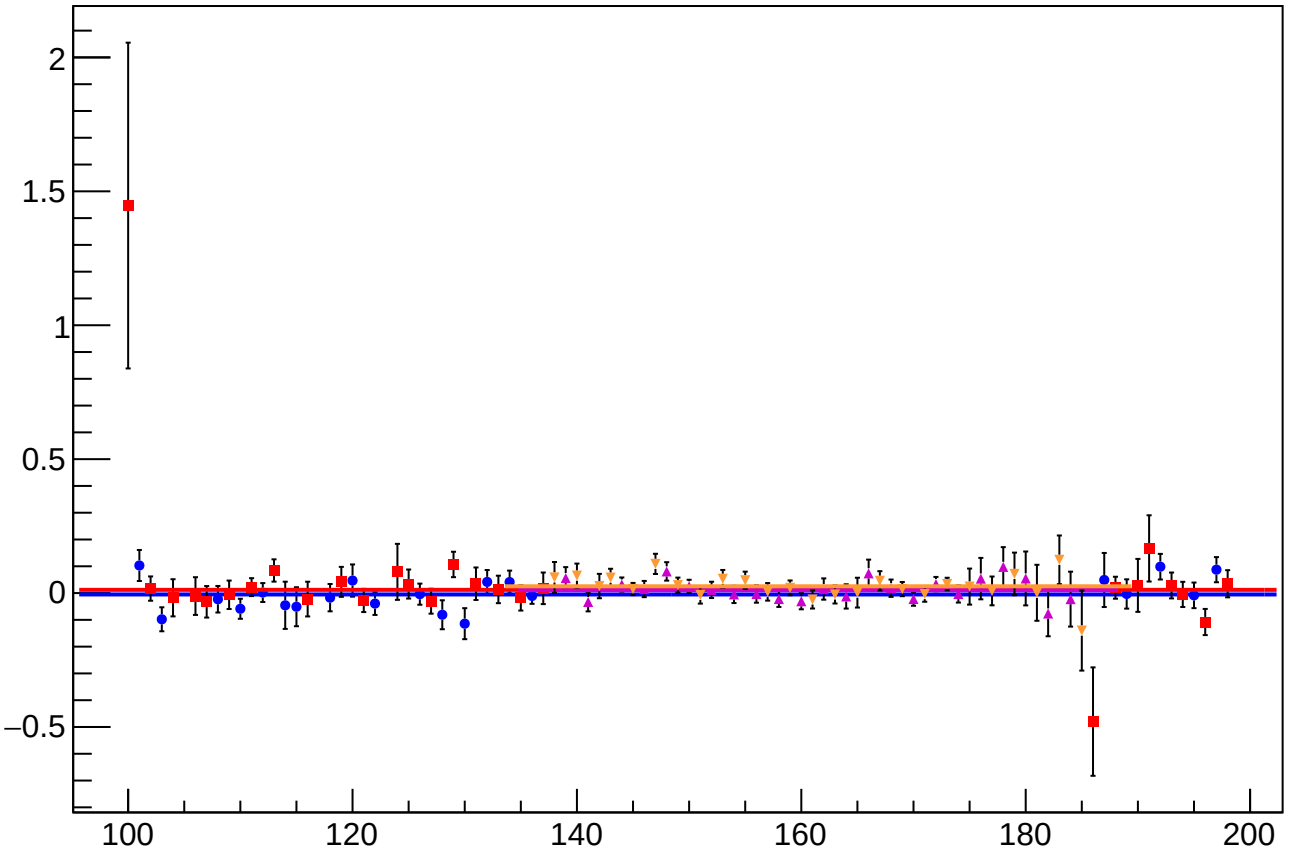
Right Out: 35.147+/-0.007 χ^2/NDF: 1637693.3/26

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.176+/-0.004 χ^2/NDF: 5118254.5/45

All: 30.641+/-0.003 χ^2/NDF: 10071821.5/95

- sign 31.120+/-0.004 χ^2/NDF: 4928195.4/49



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

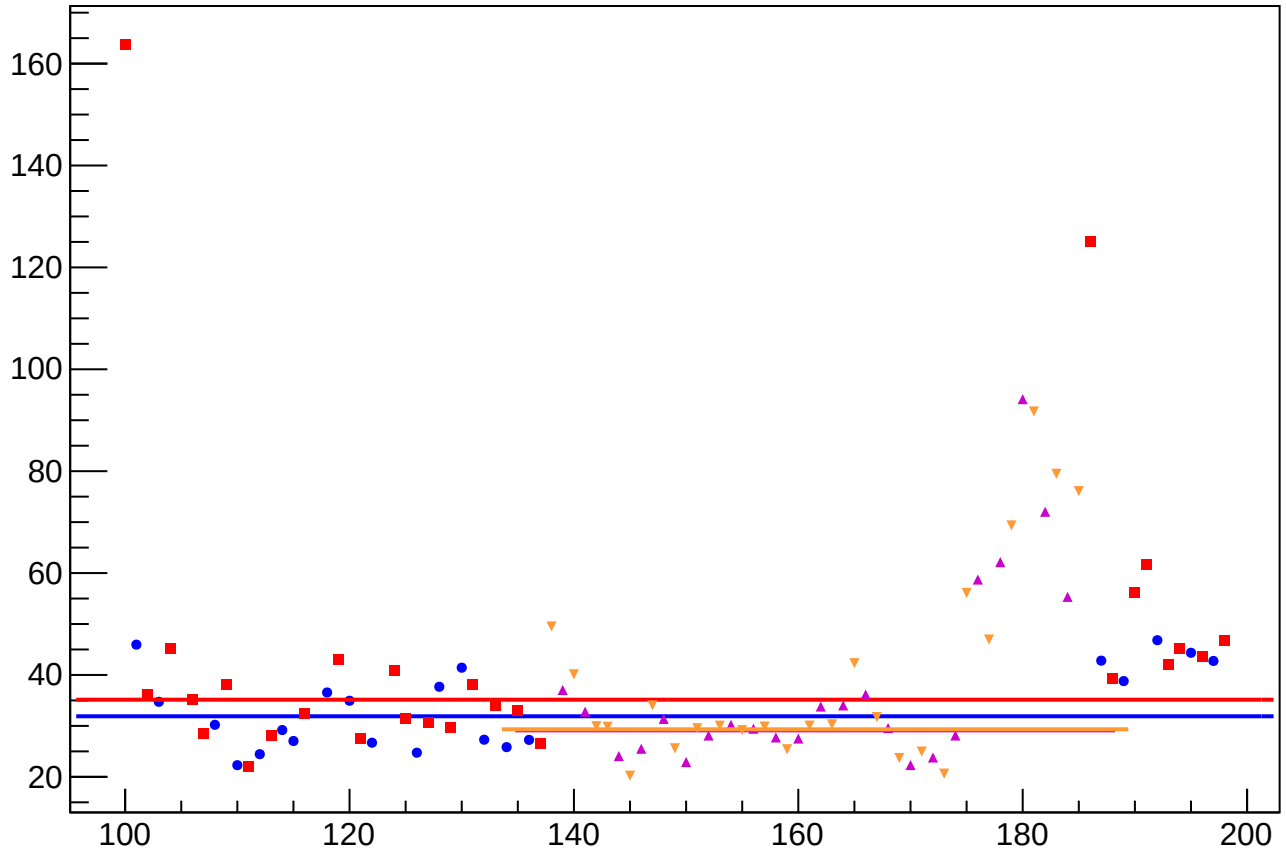
Right Out: 0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.015+/-0.006 χ^2/NDF: 52.2/45

All: 0.013+/-0.004 χ^2/NDF: 102.5/95

- sign 0.011+/-0.006 χ^2/NDF: 50.1/49



Right In: 31.890+/-0.007 χ^2/NDF: 1159979.1/20

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

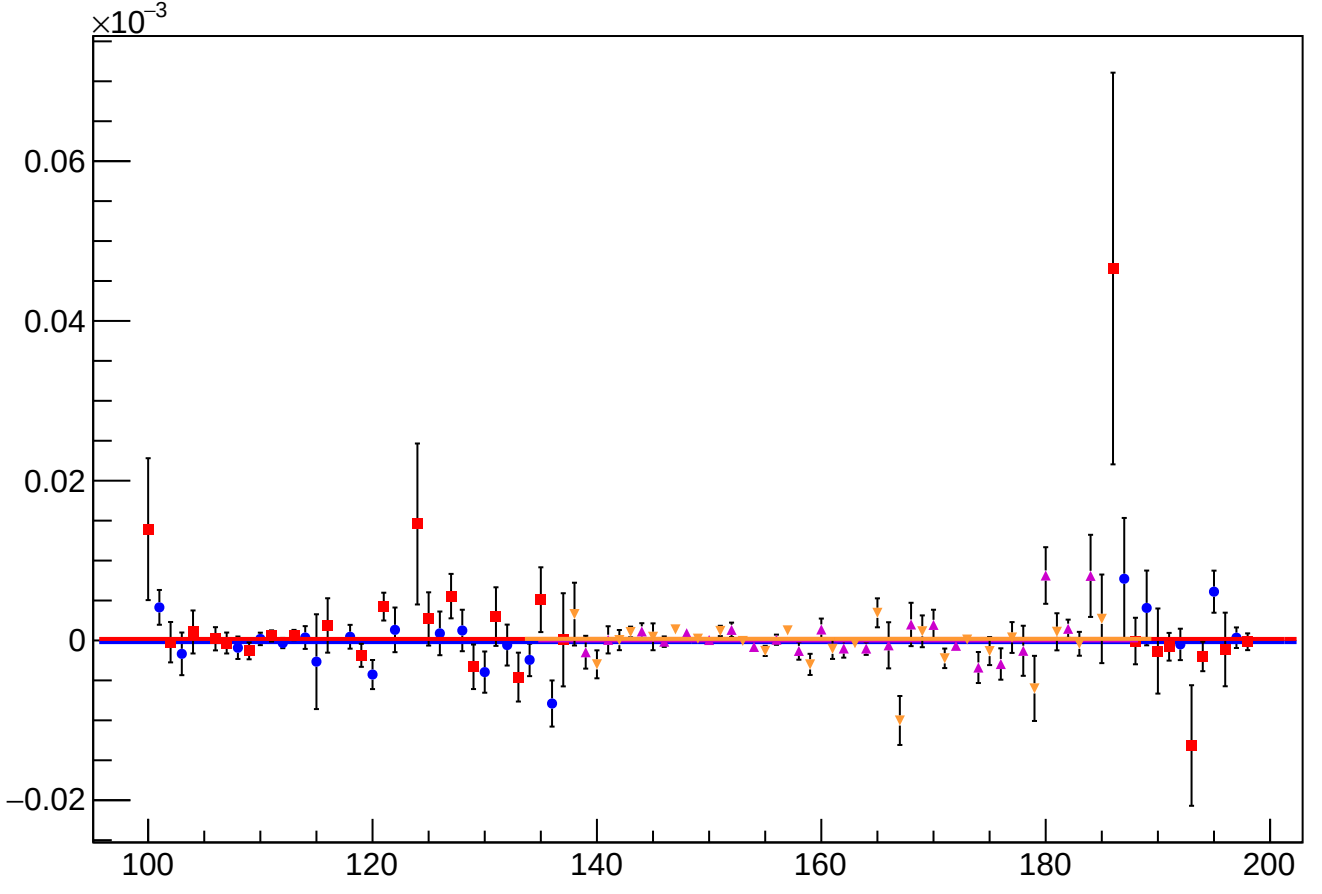
Right Out: 35.147+/-0.007 χ^2/NDF: 1637693.3/26

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.176+/-0.004 χ^2/NDF: 5118254.5/45

All: 30.641+/-0.003 χ^2/NDF: 10071821.5/95

- sign 31.120+/-0.004 χ^2/NDF: 4928195.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

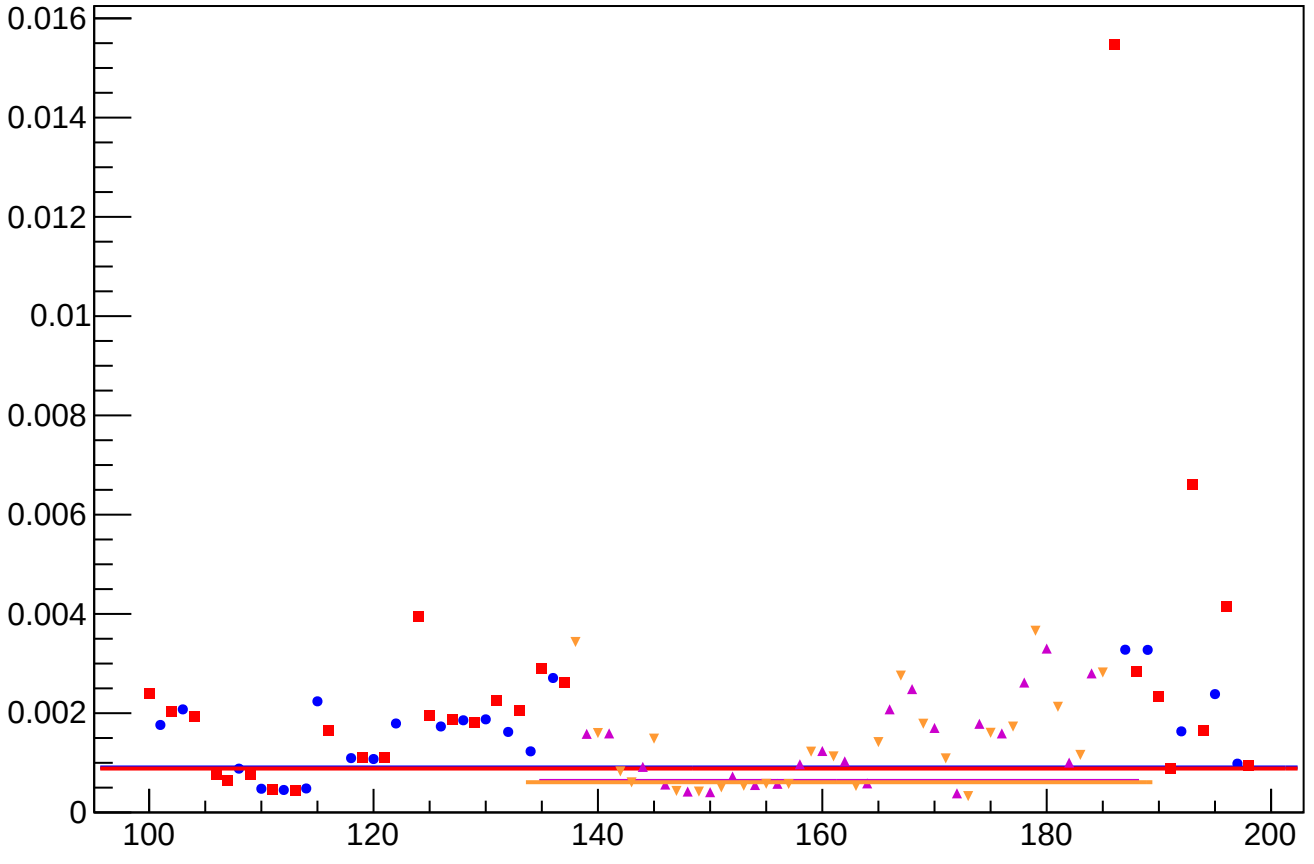
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/26

Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.1/45

All: 0.000+/-0.000 χ^2/NDF: 150.8/95

- sign 0.000+/-0.000 χ^2/NDF: 67.5/49



Right In: 0.001+/-0.000 χ^2/NDF: 6164328.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

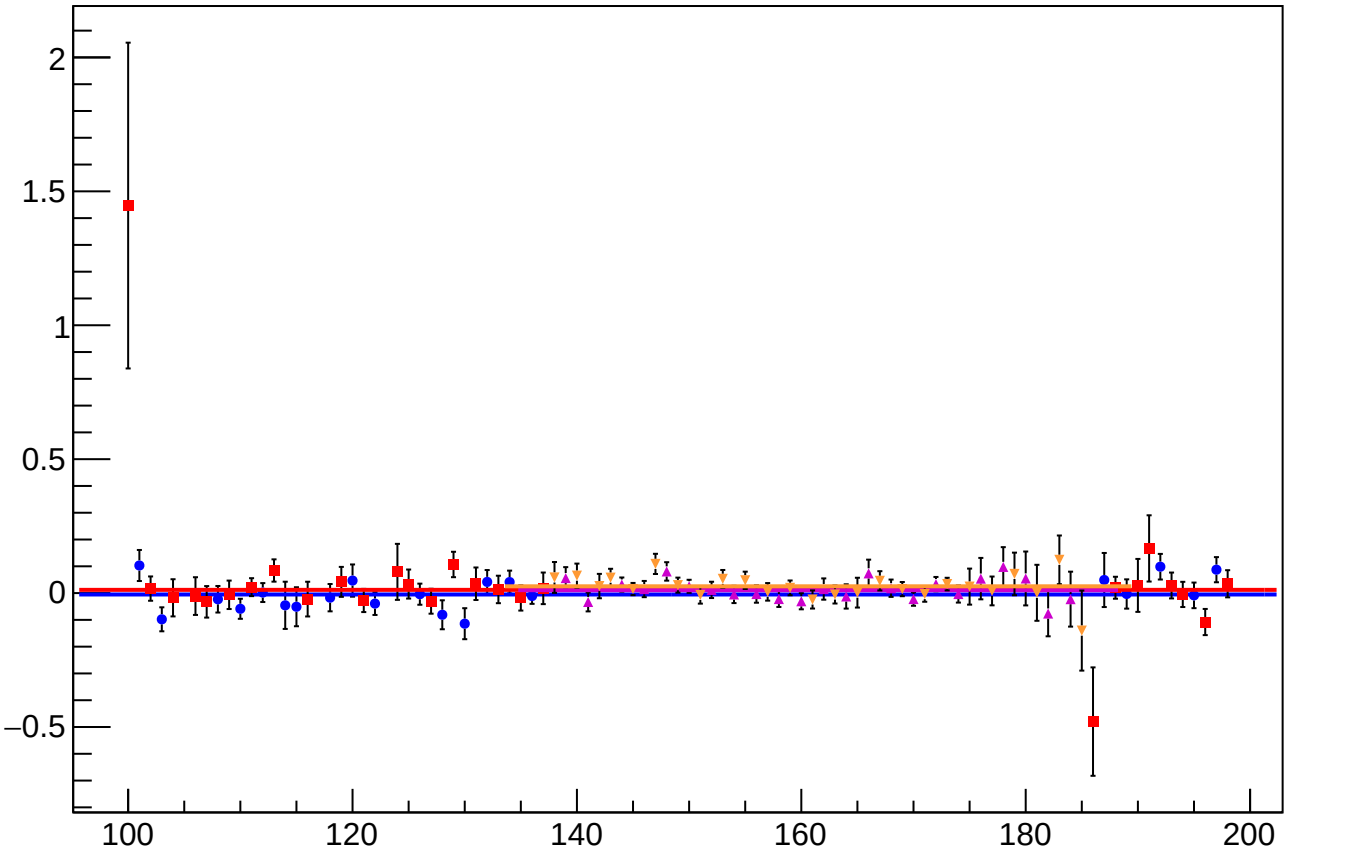
Right Out: 0.001+/-0.000 χ^2/NDF: 9082716.0/26

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 18322496.6/45

All: 0.001+/-0.000 χ^2/NDF: 37758655.9/95

- sign 0.001+/-0.000 χ^2/NDF: 19396793.8/49



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

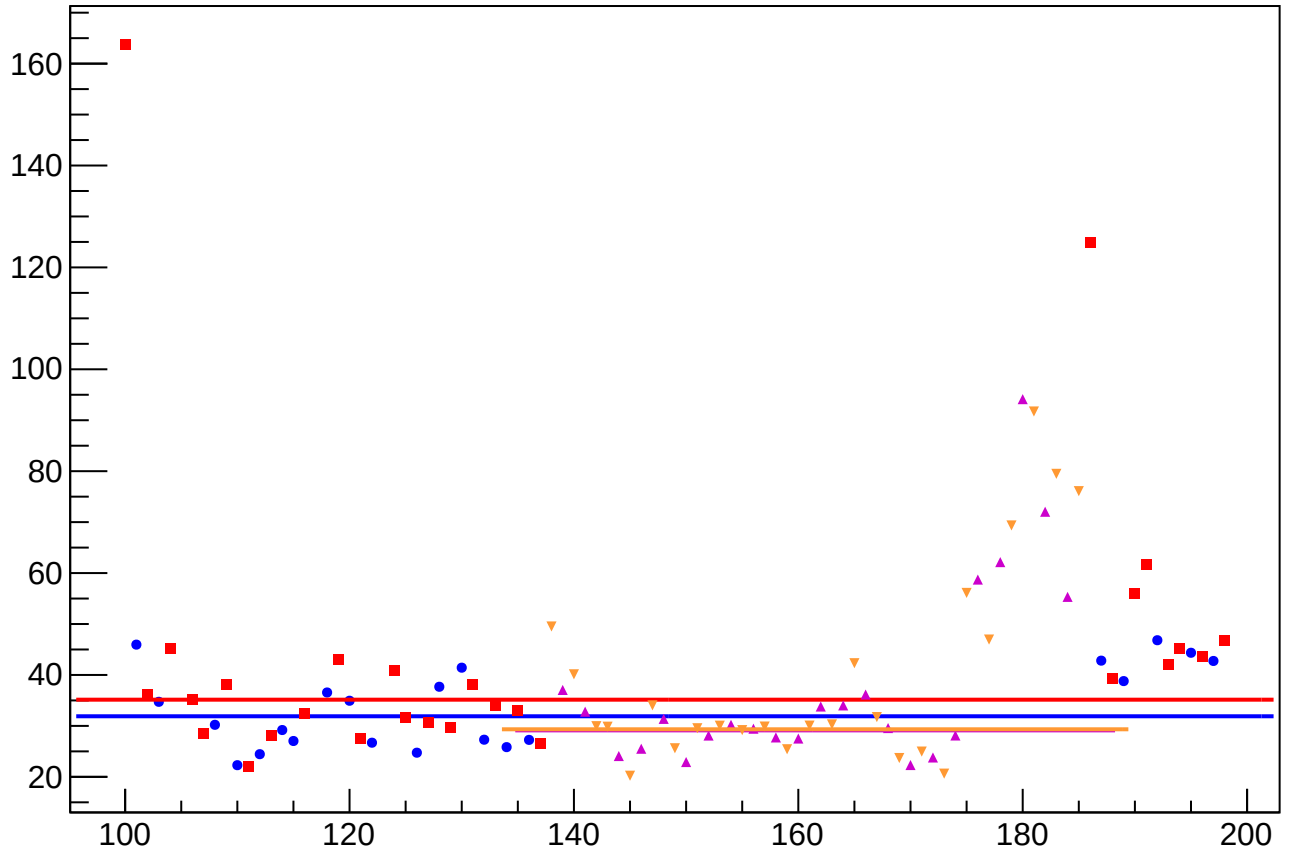
Right Out: 0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.015+/-0.006 χ^2/NDF: 52.2/45

All: 0.013+/-0.004 χ^2/NDF: 102.5/95

- sign 0.011+/-0.006 χ^2/NDF: 50.1/49



Right In: 31.890+/-0.007 χ^2/NDF: 1159944.1/20

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

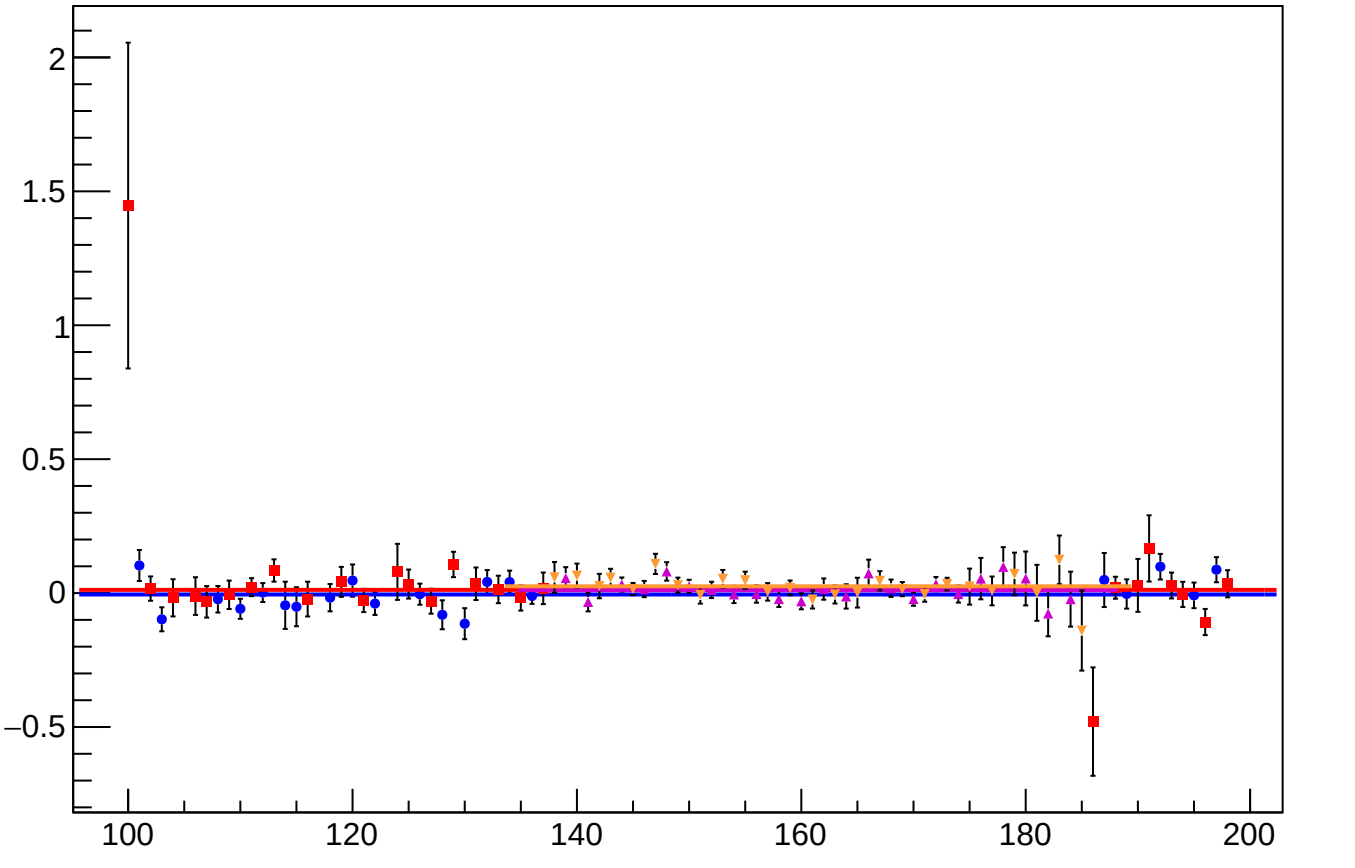
Right Out: 35.147+/-0.007 χ^2/NDF: 1637591.8/26

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.176+/-0.004 χ^2/NDF: 5118304.0/45

All: 30.641+/-0.003 χ^2/NDF: 10071776.6/95

- sign 31.120+/-0.004 χ^2/NDF: 4928099.6/49



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

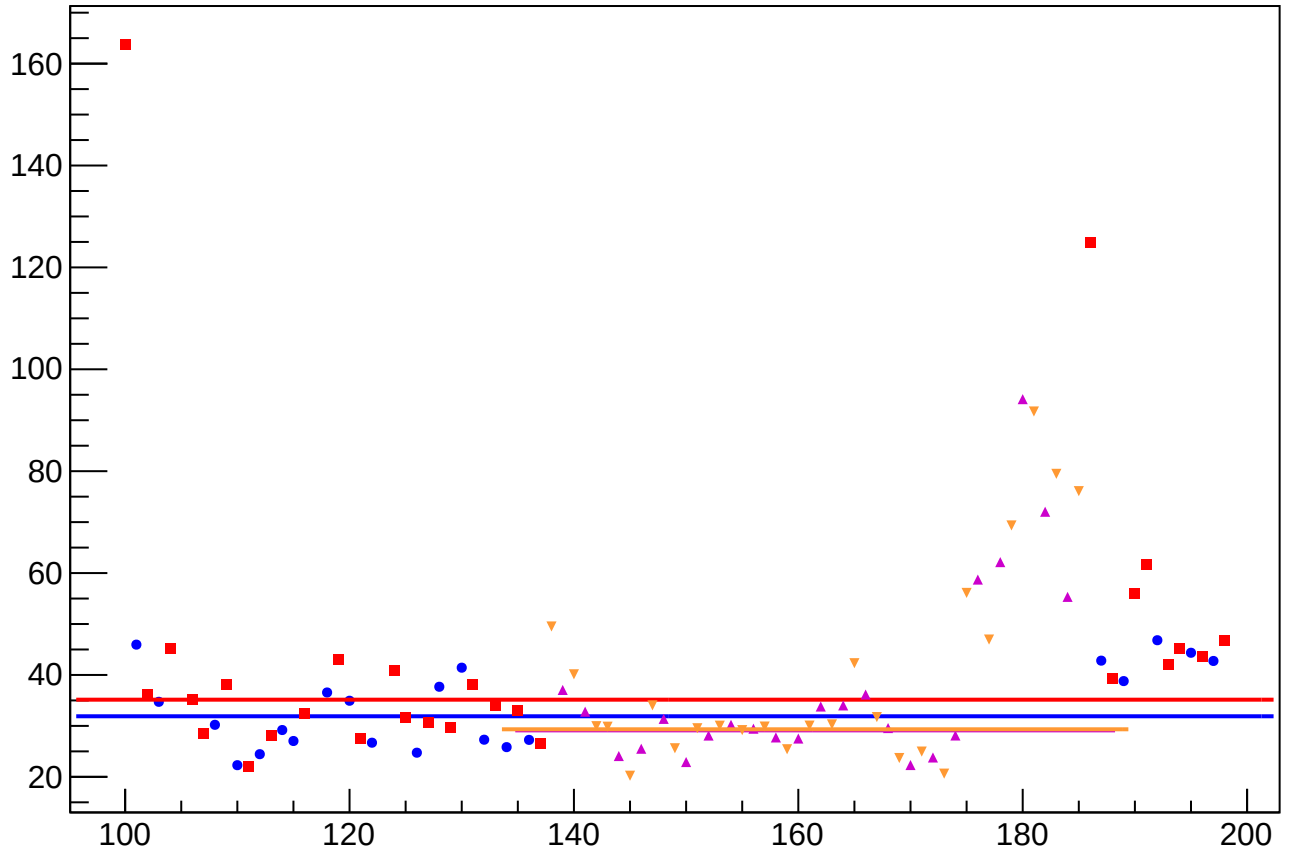
Right Out: 0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.015+/-0.006 χ^2/NDF: 52.2/45

All: 0.013+/-0.004 χ^2/NDF: 102.5/95

- sign 0.011+/-0.006 χ^2/NDF: 50.1/49



Right In: 31.890+/-0.007 χ^2/NDF: 1159944.1/20

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

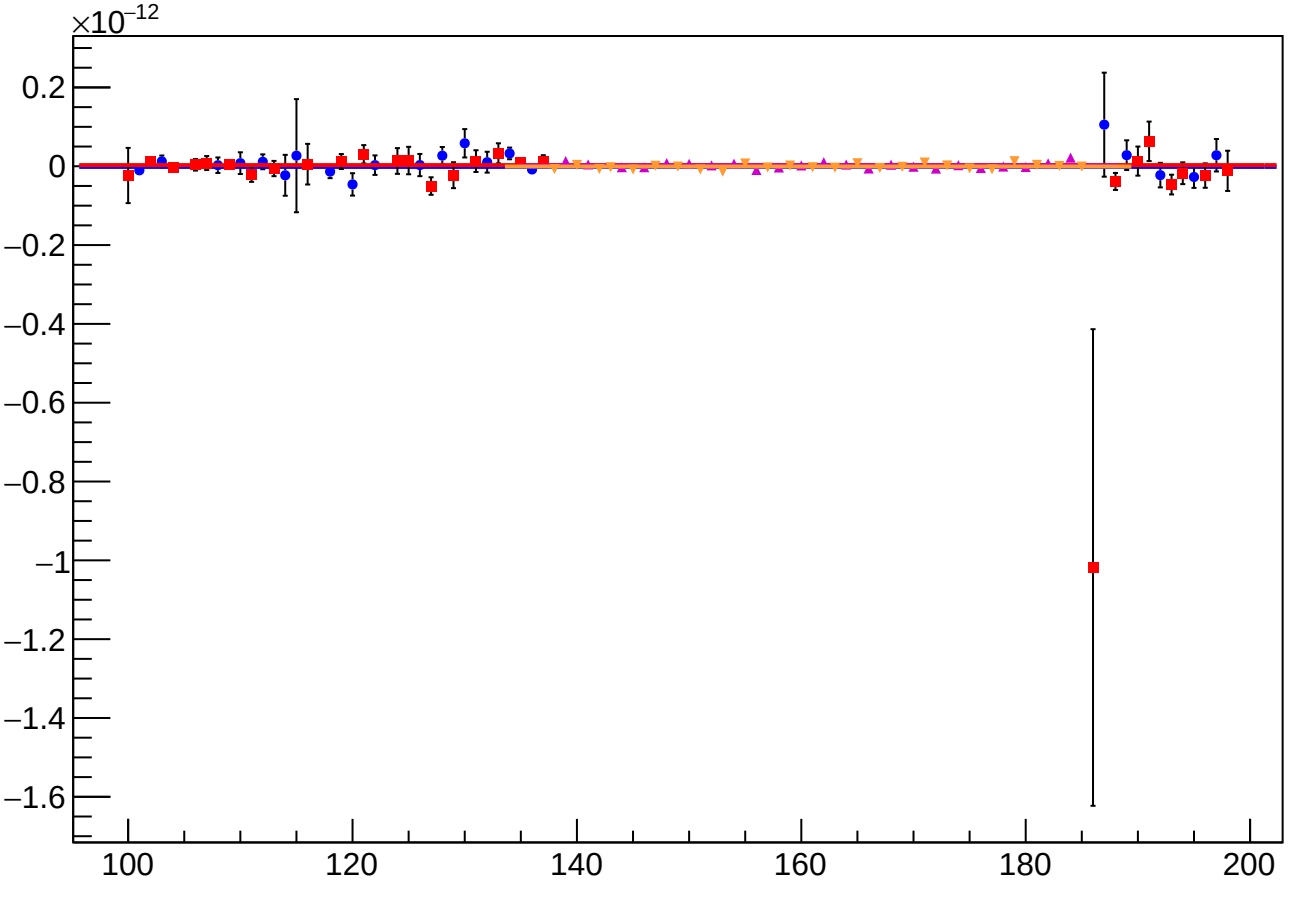
Right Out: 35.147+/-0.007 χ^2/NDF: 1637591.8/26

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.176+/-0.004 χ^2/NDF: 5118304.0/45

All: 30.641+/-0.003 χ^2/NDF: 10071776.6/95

- sign 31.120+/-0.004 χ^2/NDF: 4928099.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

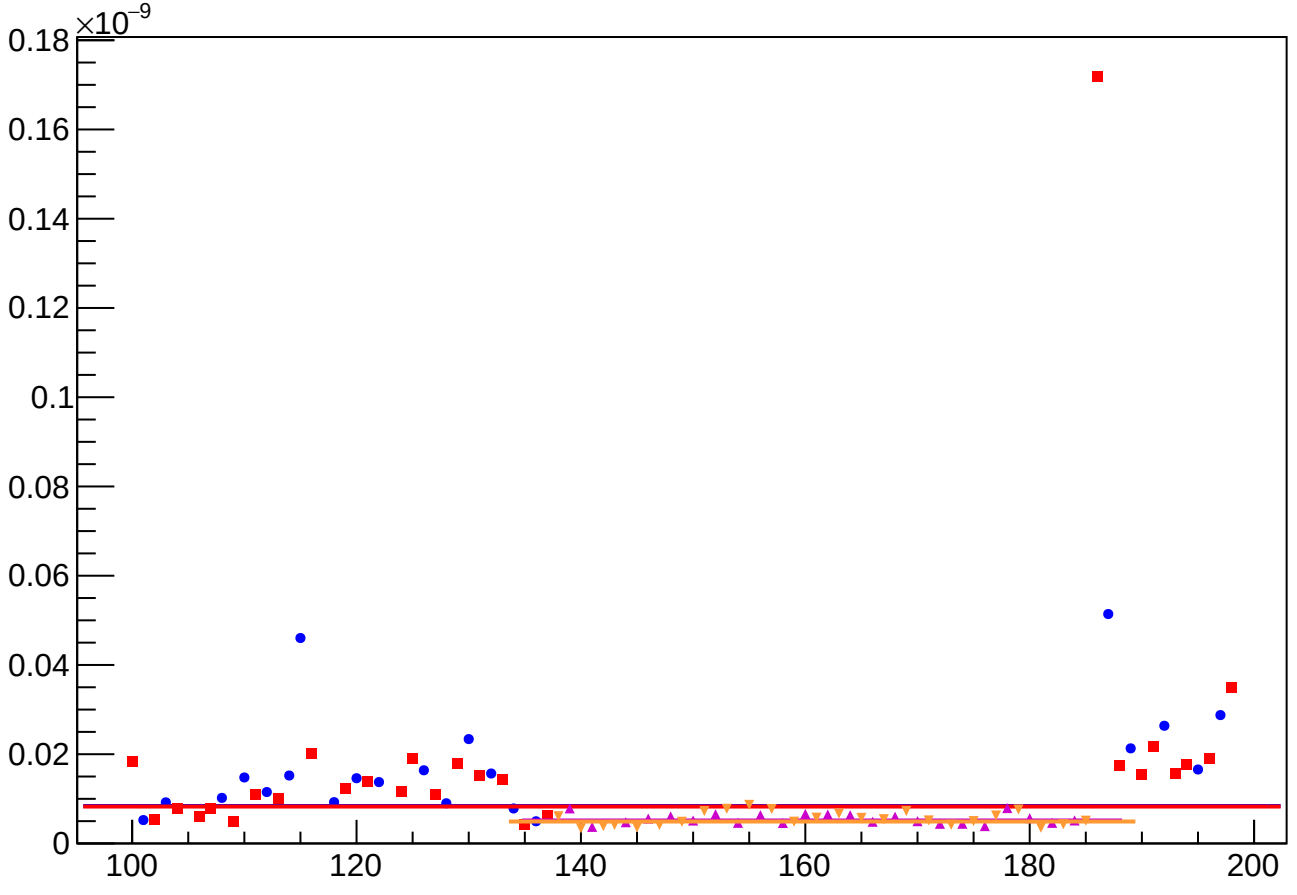
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/26

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/45

All: 0.000+/-0.000 χ^2/NDF: 80.9/95

- sign 0.000+/-0.000 χ^2/NDF: 43.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 3882943.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4069751.2/26

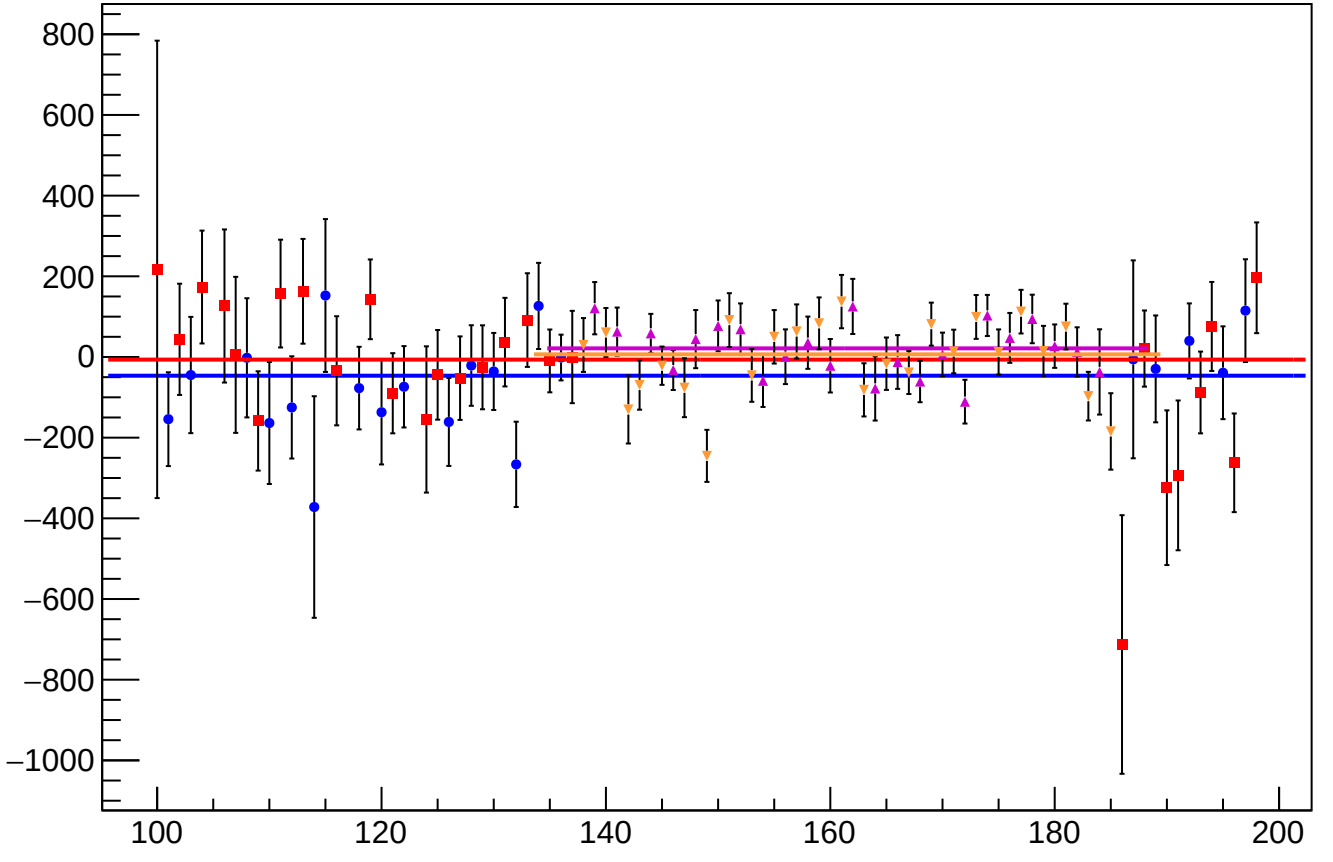
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7277234.8/45

All: 0.000+/-0.000 χ^2/NDF: 13739685.6/95

- sign 0.000+/-0.000 χ^2/NDF: 6420208.1/49

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -46.418+/-24.421 χ^2/NDF: 16.4/20

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -6.518+/-23.740 χ^2/NDF: 29.9/26

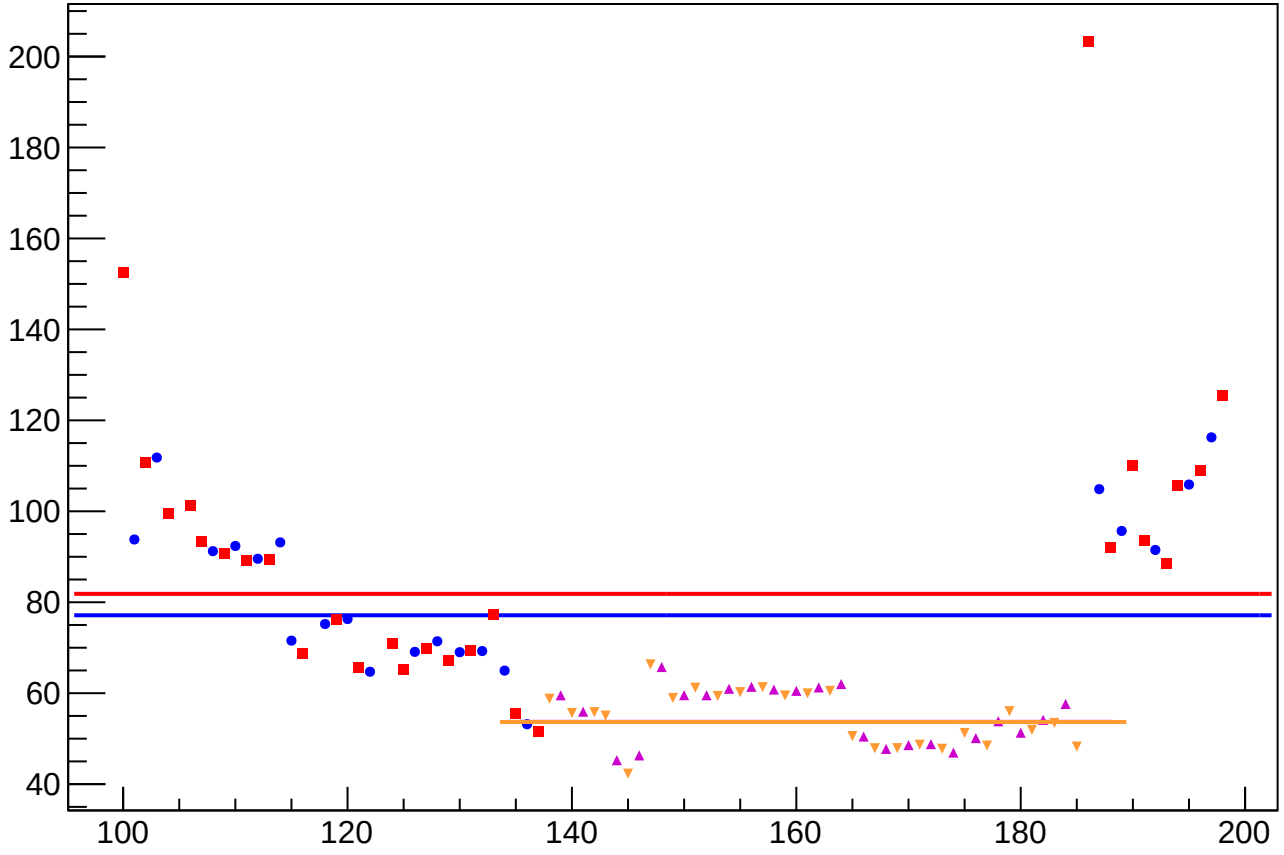
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -4.172+/-10.976 χ^2/NDF: 70.7/45

All: 5.338+/-7.827 χ^2/NDF: 128.6/95

- sign 15.176+/-11.163 χ^2/NDF: 56.4/49

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 77.133+/-0.017 χ^2/NDF: 1106438.8/20

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.848+/-0.017 χ^2/NDF: 1564192.5/26

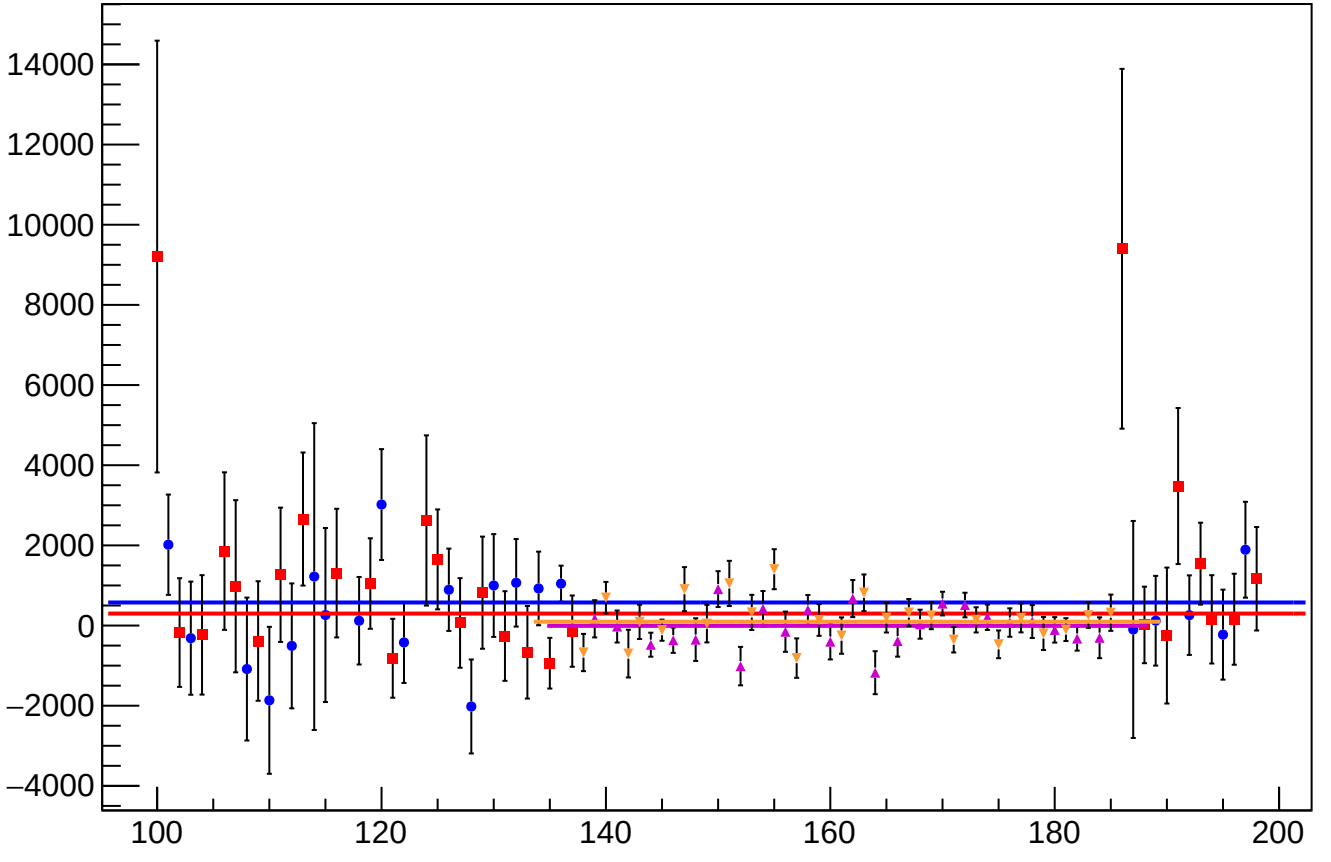
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.406+/-0.008 χ^2/NDF: 3052479.7/45

All: 59.150+/-0.006 χ^2/NDF: 7297548.8/95

- sign 59.920+/-0.008 χ^2/NDF: 4226371.2/49

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 575.486+/-239.109 χ^2/NDF: 17.8/20

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 298.713+/-240.505 χ^2/NDF: 24.9/26

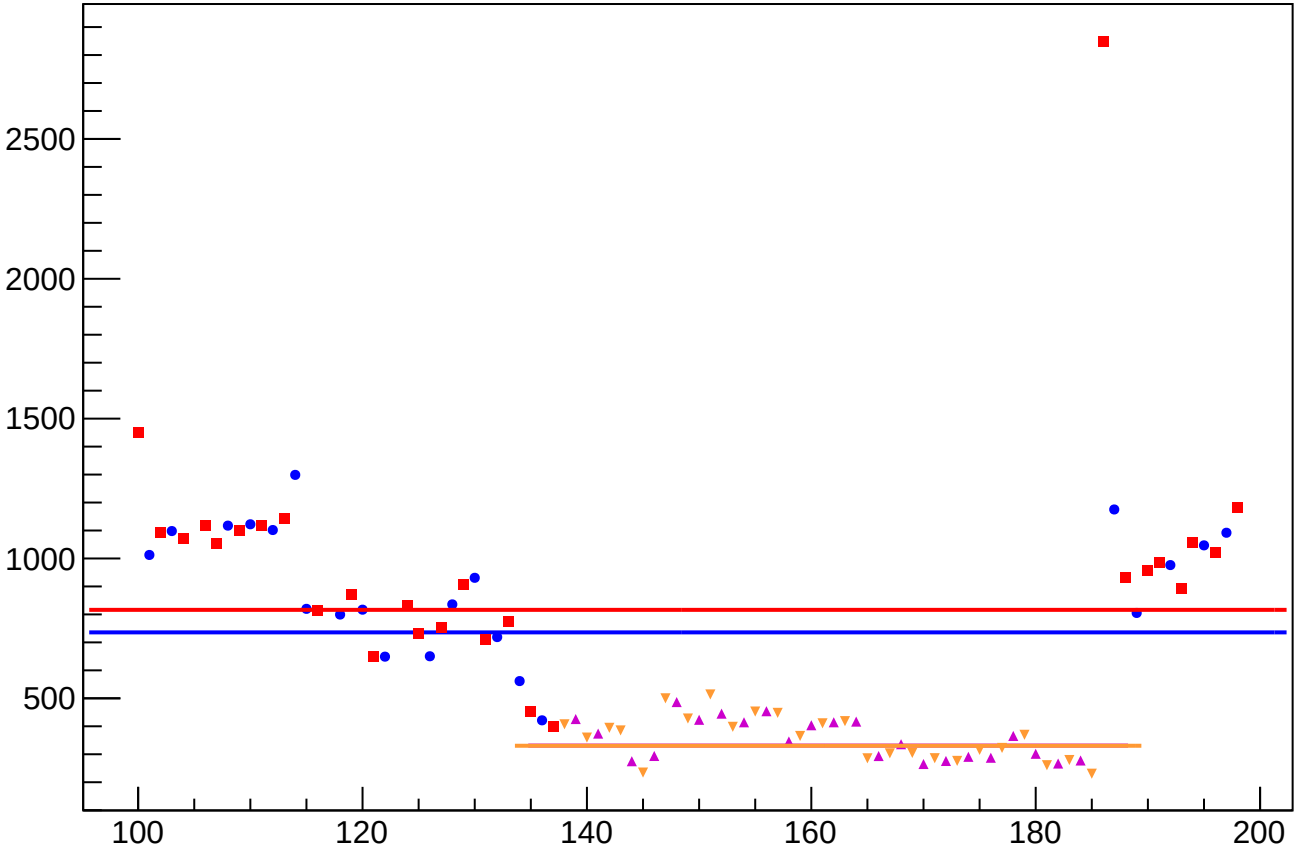
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 140.702+/-73.409 χ^2/NDF: 54.6/45

All: 82.783+/-52.517 χ^2/NDF: 114.6/95

- sign 22.065+/-75.162 χ^2/NDF: 58.7/49

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 735.756+/-0.169 χ^2/NDF: 2231131.2/20

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 816.288+/-0.170 χ^2/NDF: 2471484.6/26

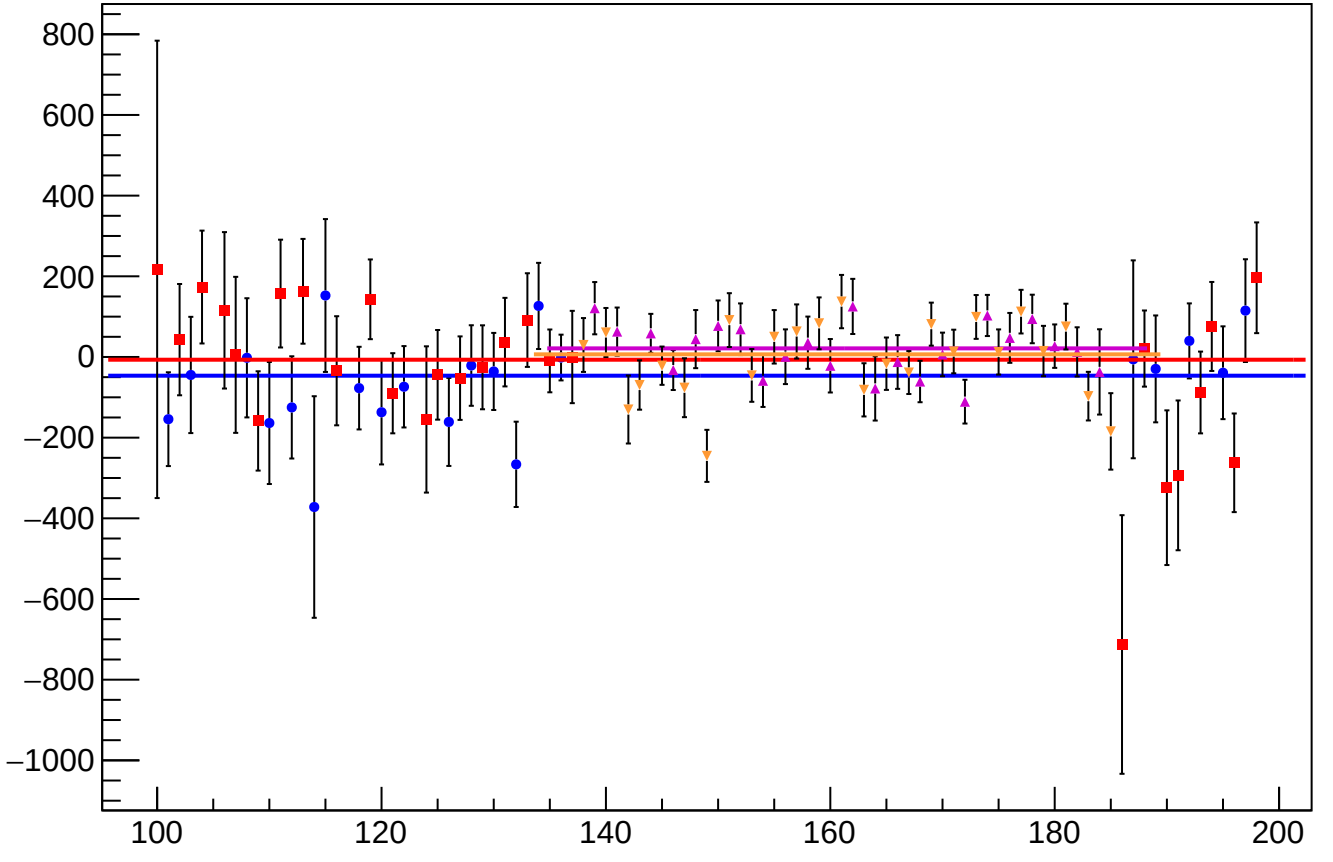
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 368.612+/-0.052 χ^2/NDF: 9189631.0/45

All: 373.415+/-0.037 χ^2/NDF: 20350101.9/95

- sign 378.450+/-0.053 χ^2/NDF: 11142935.6/49

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -46.410+/-24.421 χ^2/NDF: 16.4/20

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -6.796+/-23.748 χ^2/NDF: 29.8/26

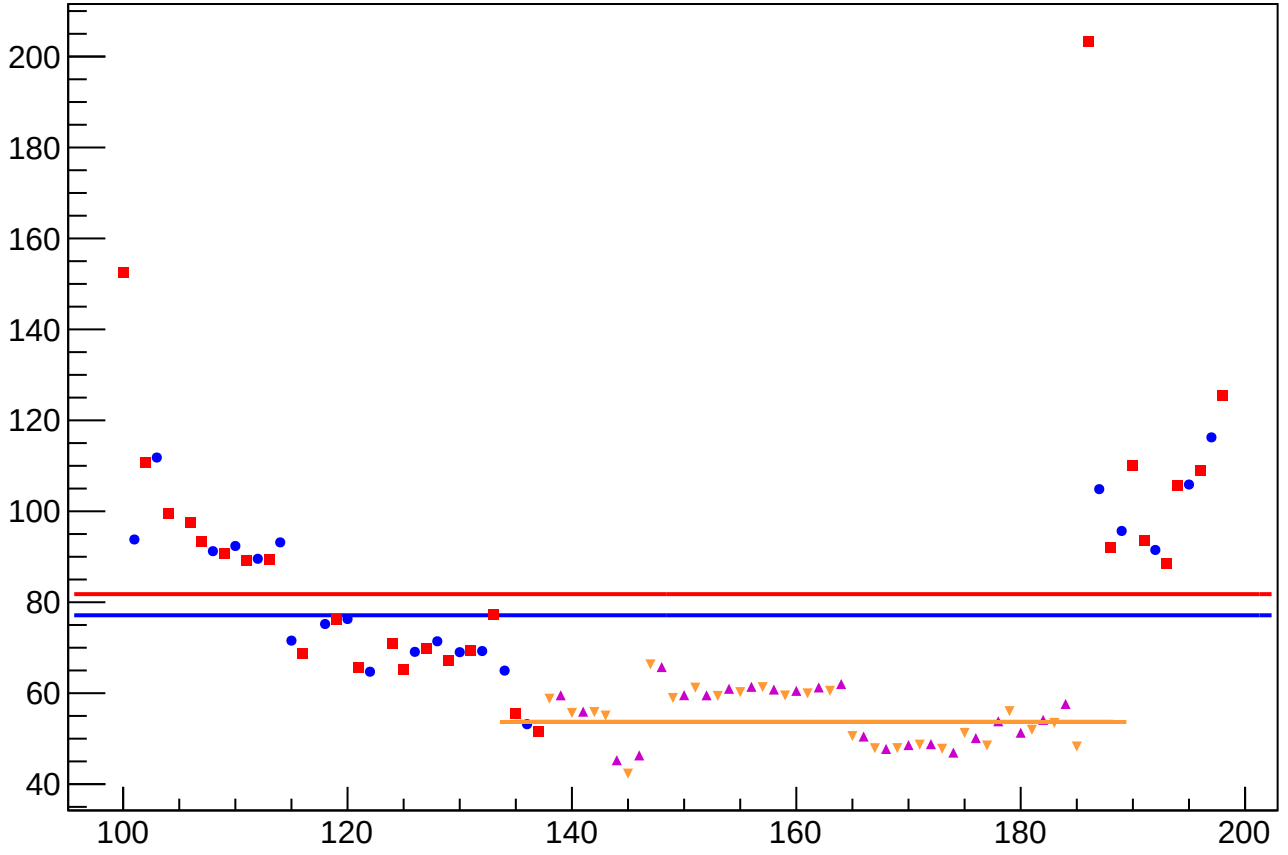
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.168+/-10.976 χ^2/NDF: 70.7/45

All: 5.311+/-7.827 χ^2/NDF: 128.5/95

- sign 15.118+/-11.164 χ^2/NDF: 56.3/49

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 77.133+/-0.017 χ^2/NDF: 1106441.1/20

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

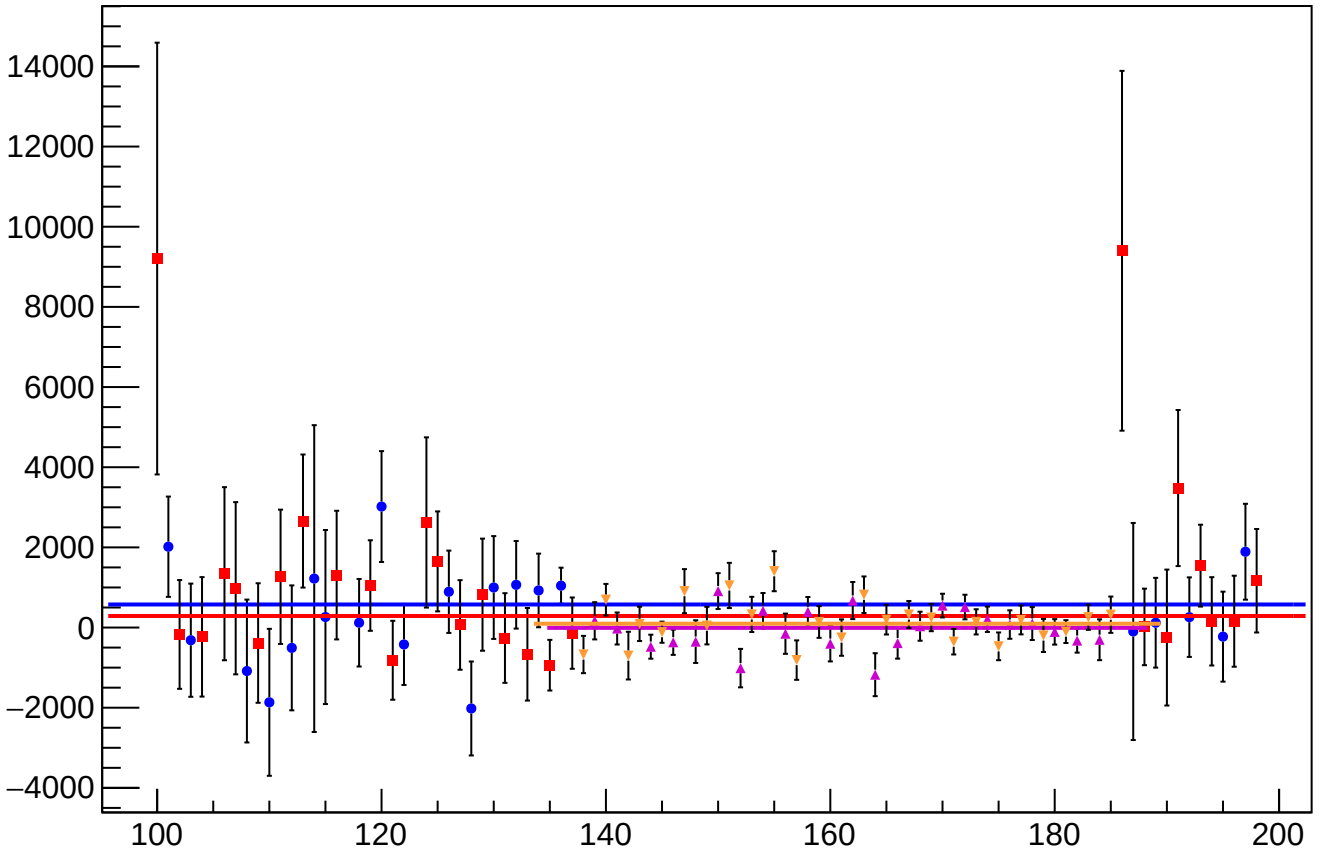
Right Out: 81.781+/-0.017 χ^2/NDF: 1556678.5/26

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.406+/-0.008 χ^2/NDF: 3052482.3/45

All: 59.141+/-0.006 χ^2/NDF: 7277926.5/95

- sign 59.902+/-0.008 χ^2/NDF: 4207196.4/49



Right In: 575.480+/-239.109 χ^2/NDF: 17.8/20

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

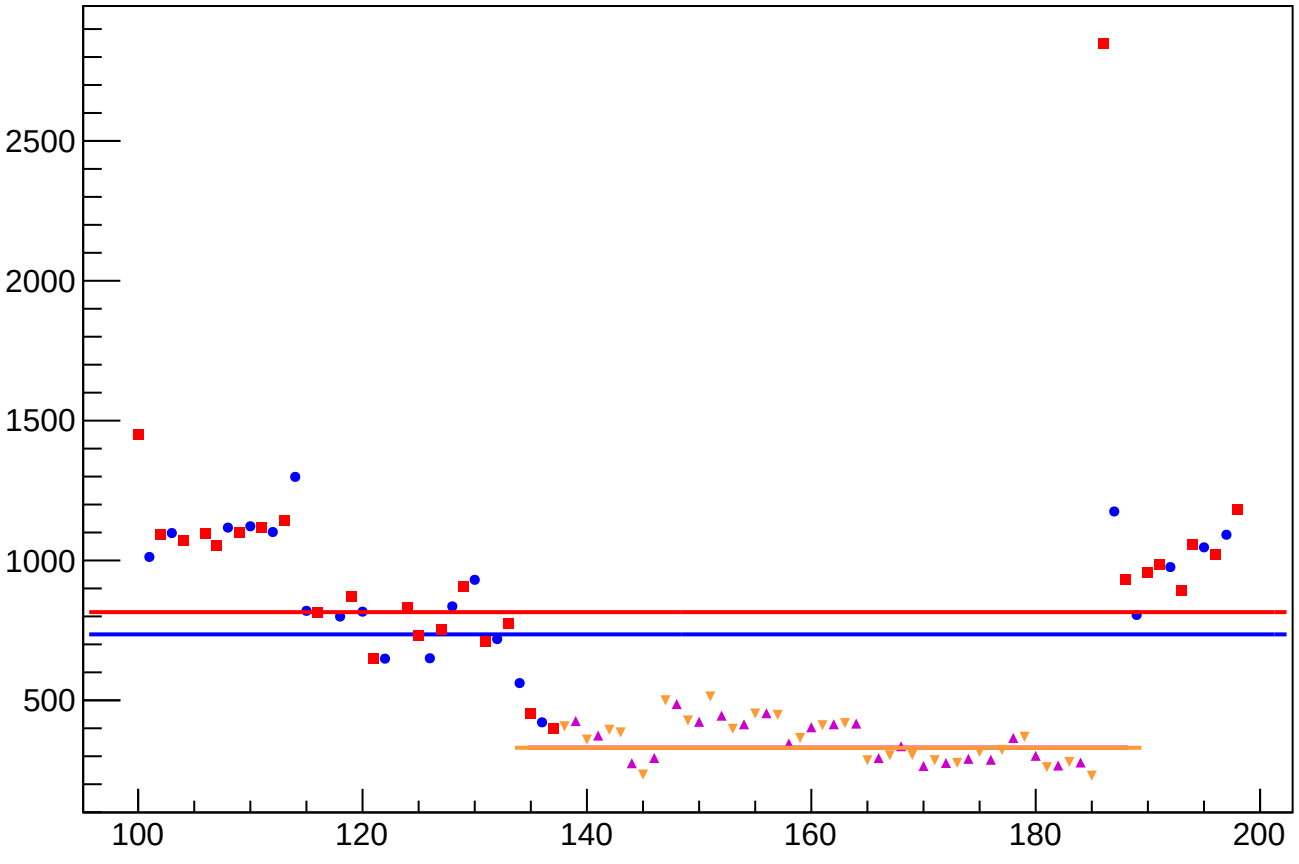
Right Out: 288.418+/-240.820 χ^2/NDF: 24.5/26

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 140.703+/-73.409 χ^2/NDF: 54.6/45

All: 82.269+/-52.520 χ^2/NDF: 114.1/95

- sign 20.995+/-75.172 χ^2/NDF: 58.2/49



Right In: 735.757+/-0.169 χ^2/NDF: 2231154.4/20

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.240+/-0.170 χ^2/NDF: 2457996.4/26

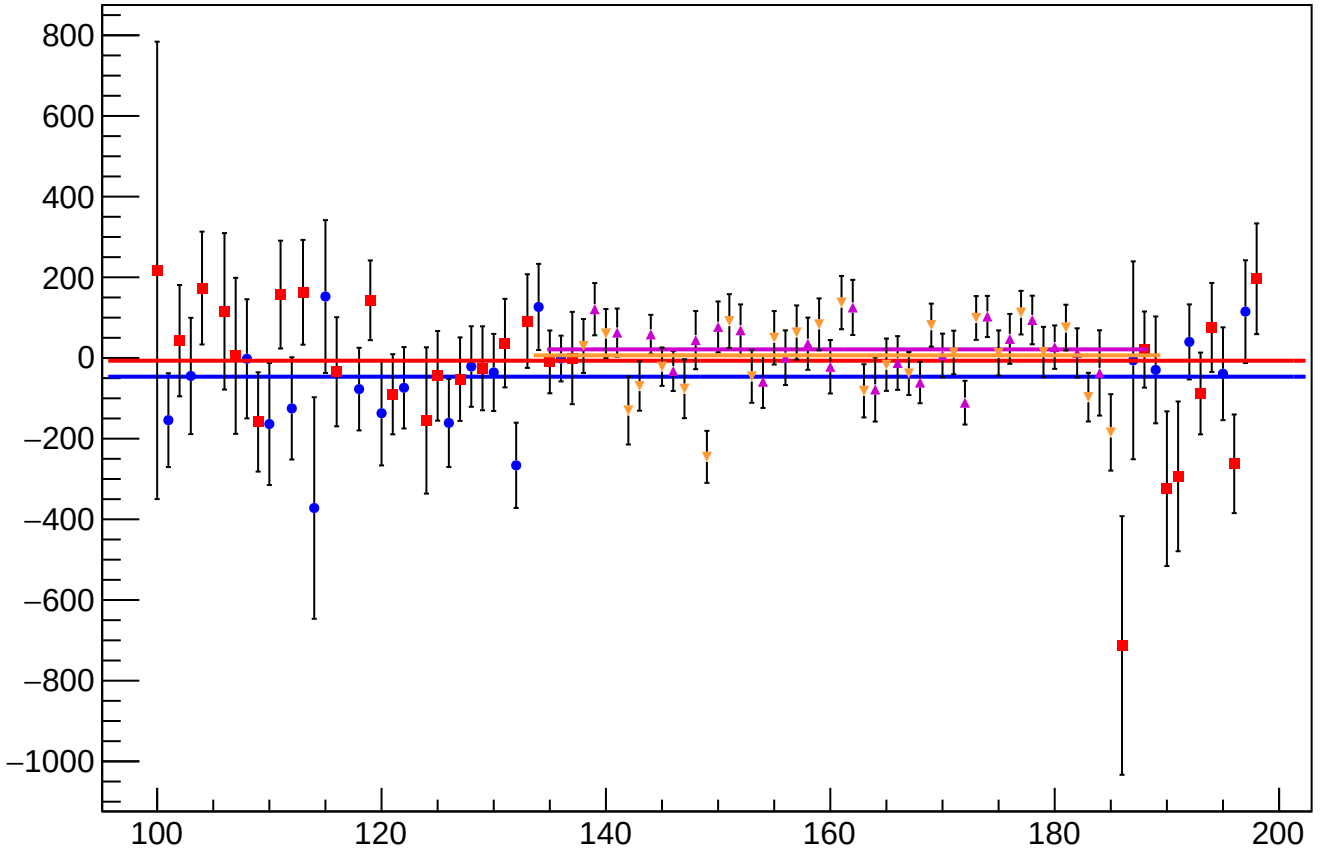
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 368.612+/-0.052 χ^2/NDF: 9189650.0/45

All: 373.310+/-0.037 χ^2/NDF: 20286956.1/95

- sign 378.236+/-0.053 χ^2/NDF: 11080526.8/49

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -46.410+/-24.421 χ^2/NDF: 16.4/20

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -6.796+/-23.748 χ^2/NDF: 29.8/26

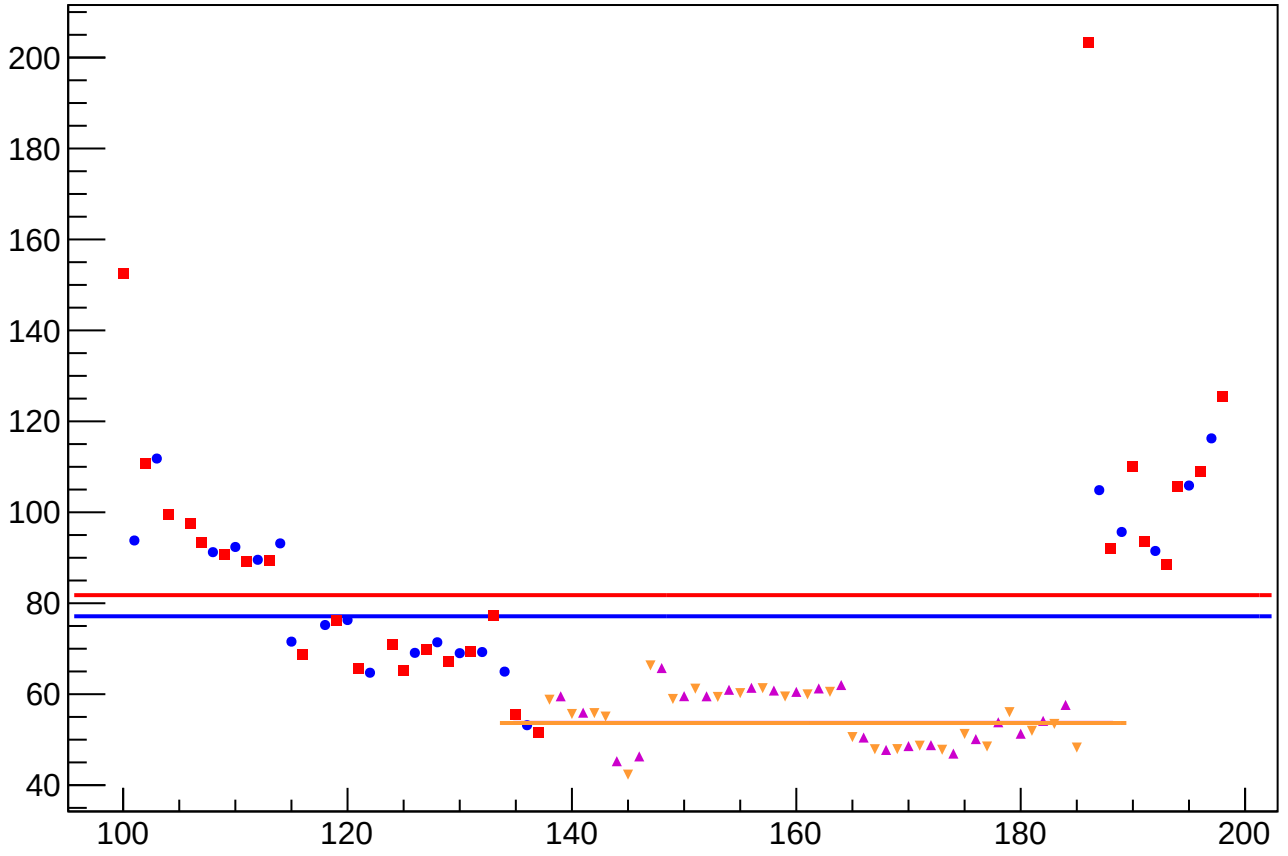
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.168+/-10.976 χ^2/NDF: 70.7/45

All: 5.311+/-7.827 χ^2/NDF: 128.5/95

- sign 15.118+/-11.164 χ^2/NDF: 56.3/49

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 77.133+/-0.017 χ^2/NDF: 1106441.1/20

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

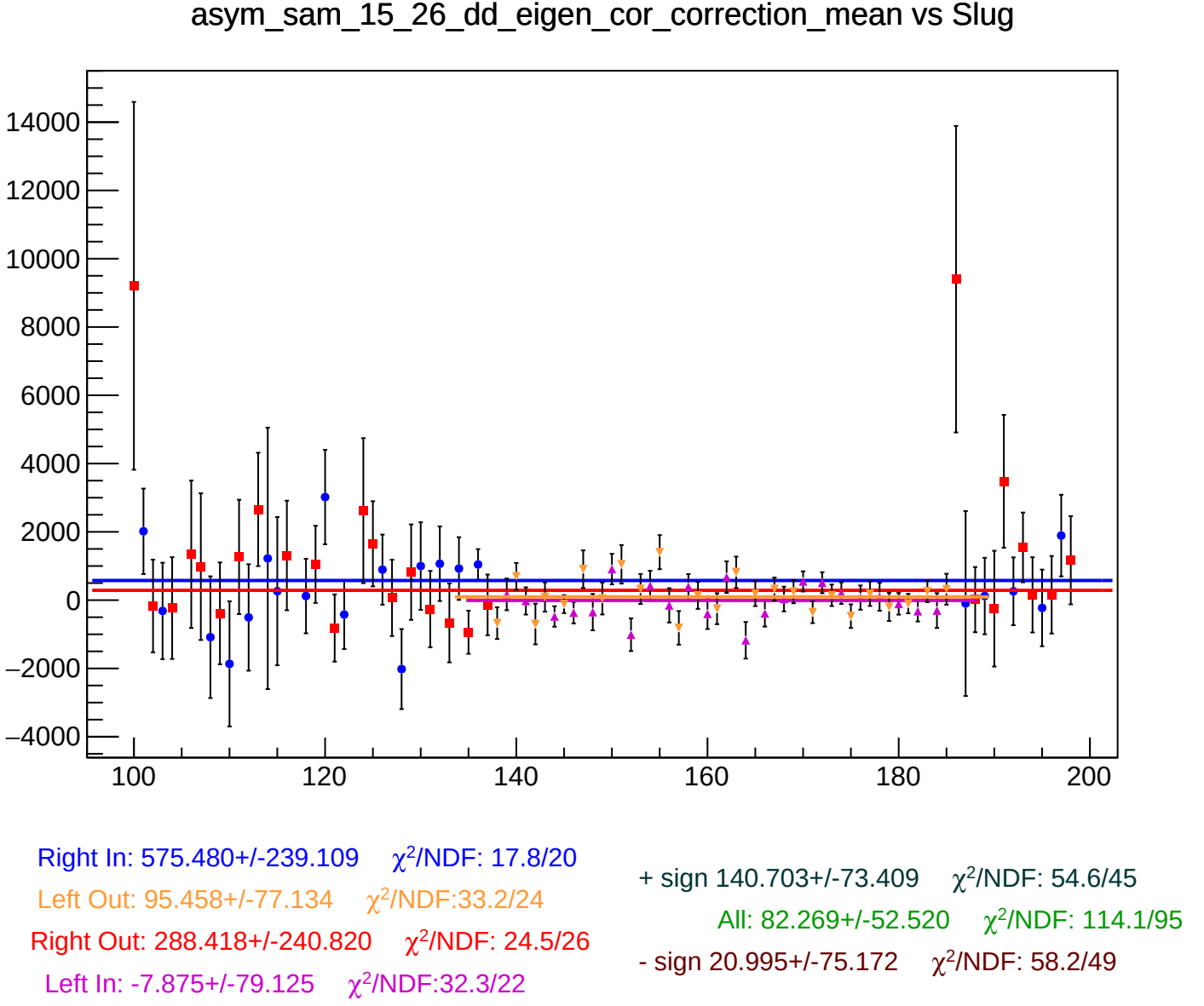
Right Out: 81.781+/-0.017 χ^2/NDF: 1556678.5/26

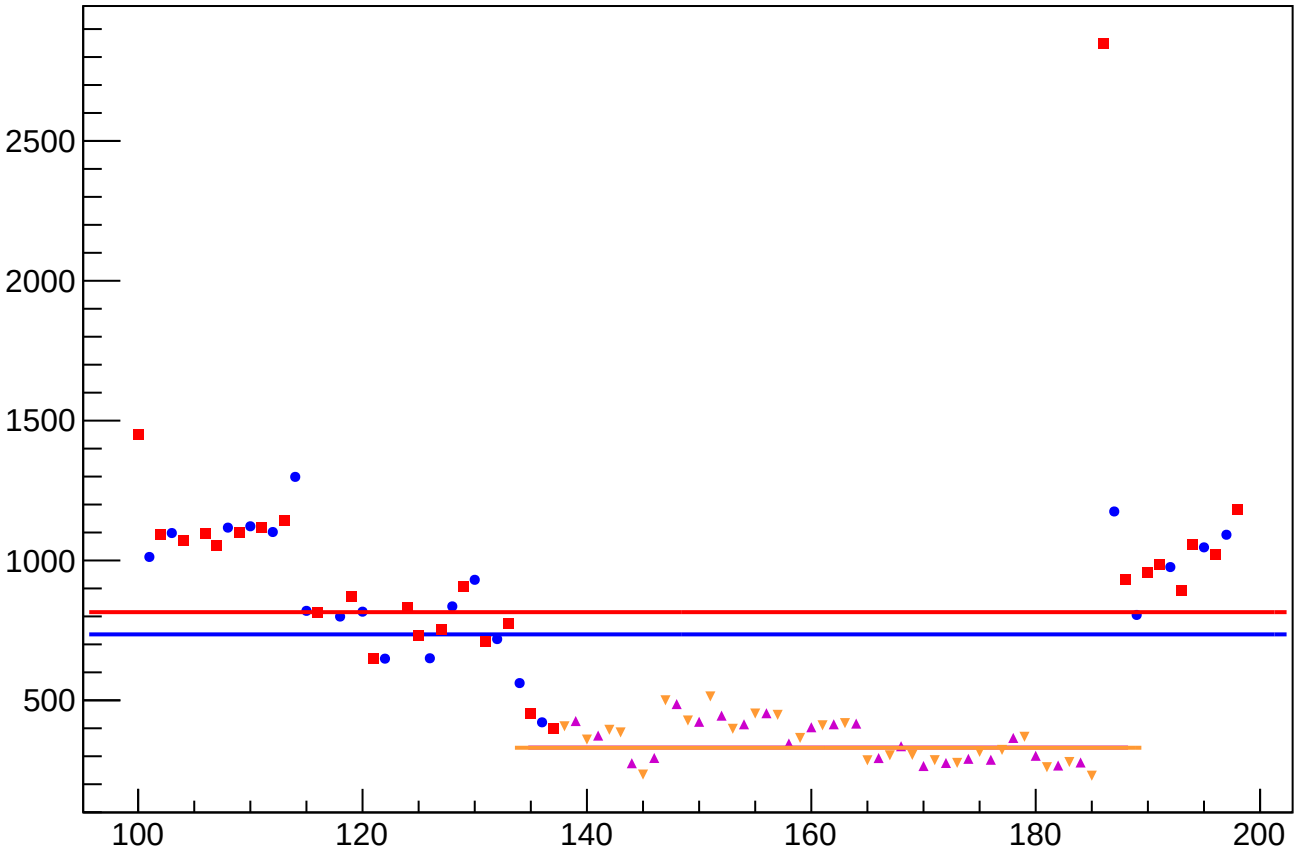
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.406+/-0.008 χ^2/NDF: 3052482.3/45

All: 59.141+/-0.006 χ^2/NDF: 7277926.5/95

- sign 59.902+/-0.008 χ^2/NDF: 4207196.4/49


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: 575.480+/-239.109 χ²/NDF: 17.8/20
Left Out: 95.458+/-77.134 χ²/NDF:33.2/24
Right Out: 288.418+/-240.820 χ²/NDF: 24.5/26
Left In: -7.875+/-79.125 χ²/NDF:32.3/22
+ sign 140.703+/-73.409 χ²/NDF: 54.6/45
All: 82.269+/-52.520 χ²/NDF: 114.1/95
- sign 20.995+/-75.172 χ²/NDF: 58.2/49



Right In: 735.757+/-0.169 χ^2/NDF: 2231154.4/20

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.240+/-0.170 χ^2/NDF: 2457996.4/26

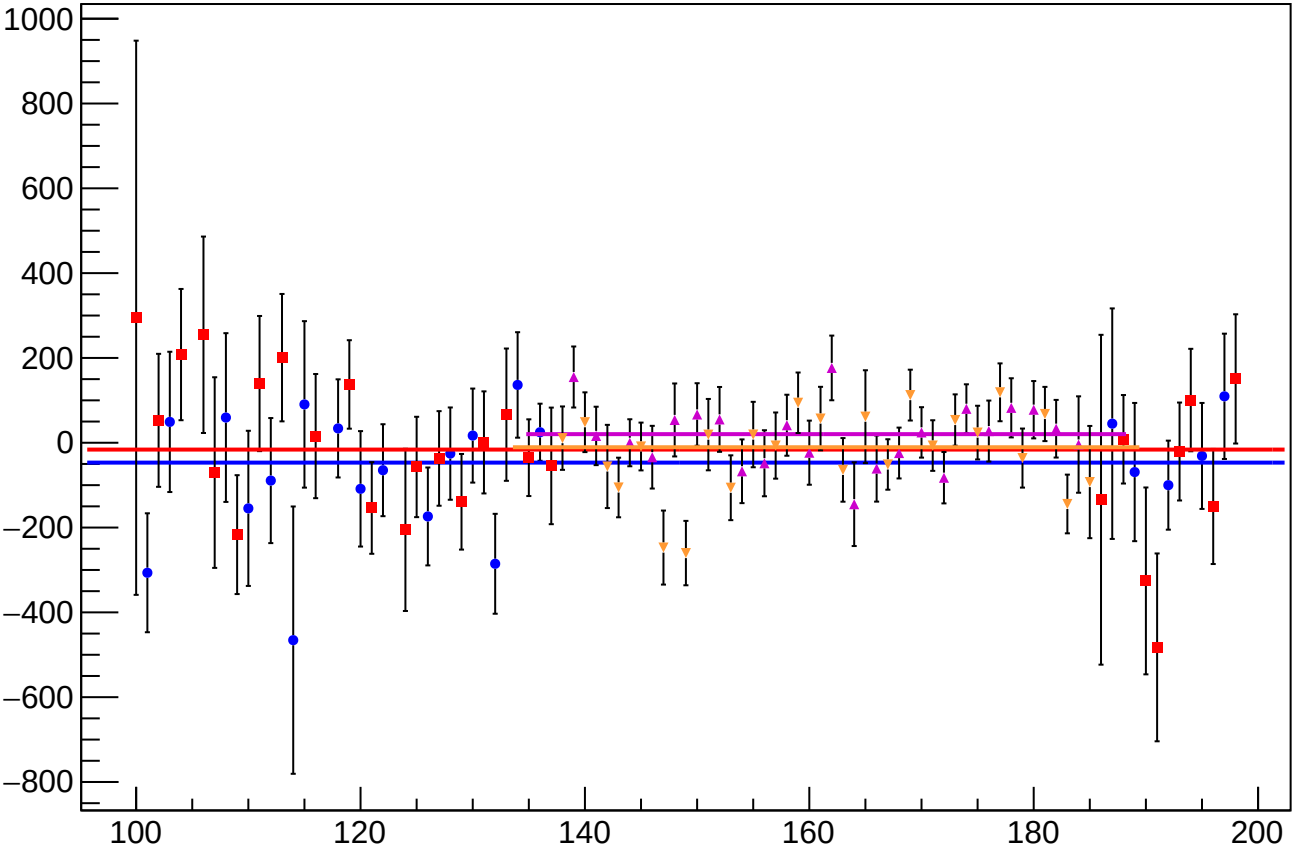
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 368.612+/-0.052 χ^2/NDF: 9189650.0/45

All: 373.310+/-0.037 χ^2/NDF: 20286956.1/95

- sign 378.236+/-0.053 χ^2/NDF: 11080526.8/49

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -46.845+/-27.862 χ^2/NDF: 18.0/20

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -16.102+/-26.676 χ^2/NDF: 25.3/26

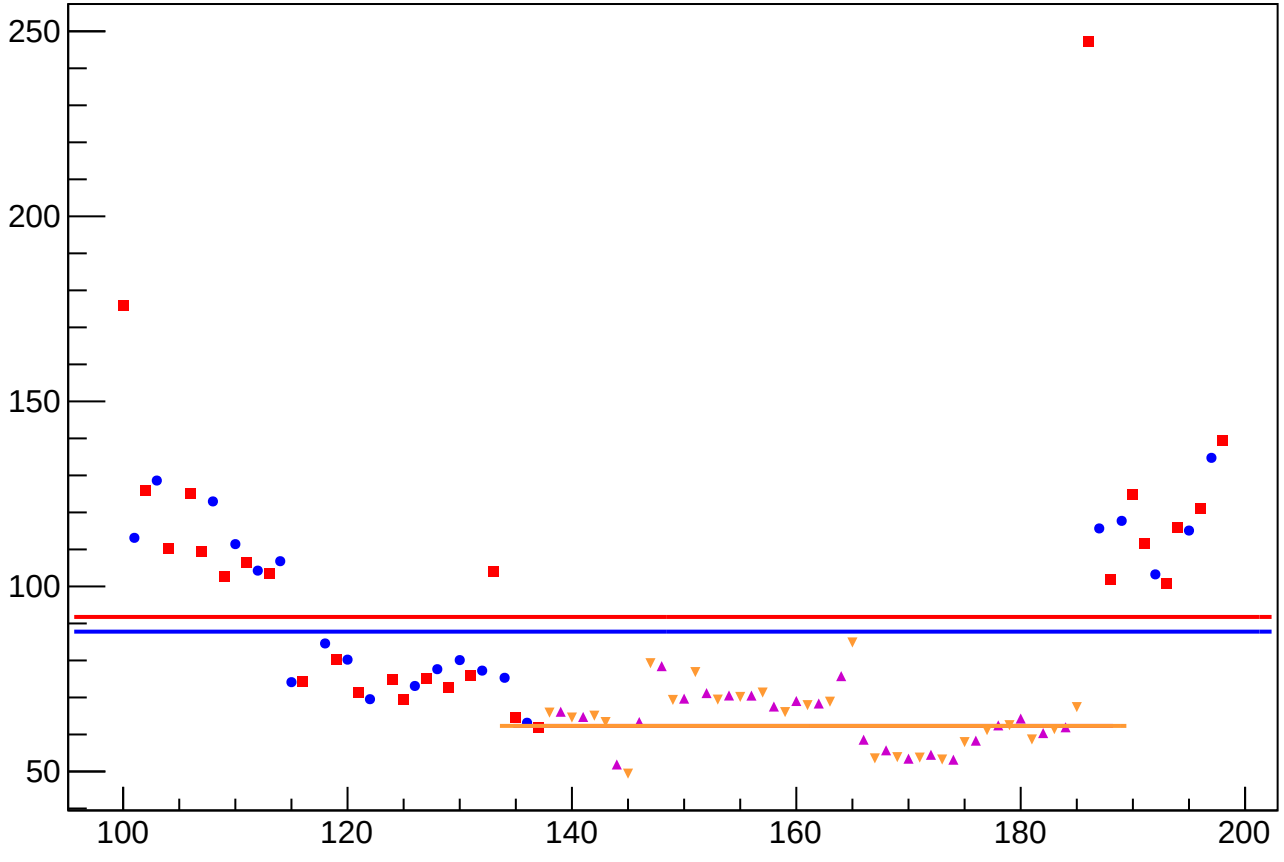
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.177+/-12.730 χ^2/NDF: 61.5/45

All: -3.407+/-9.064 χ^2/NDF: 112.6/95

- sign 11.781+/-12.908 χ^2/NDF: 48.4/49

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 87.786+/-0.020 χ^2/NDF: 1181823.0/20

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 91.759+/-0.019 χ^2/NDF: 1668090.8/26

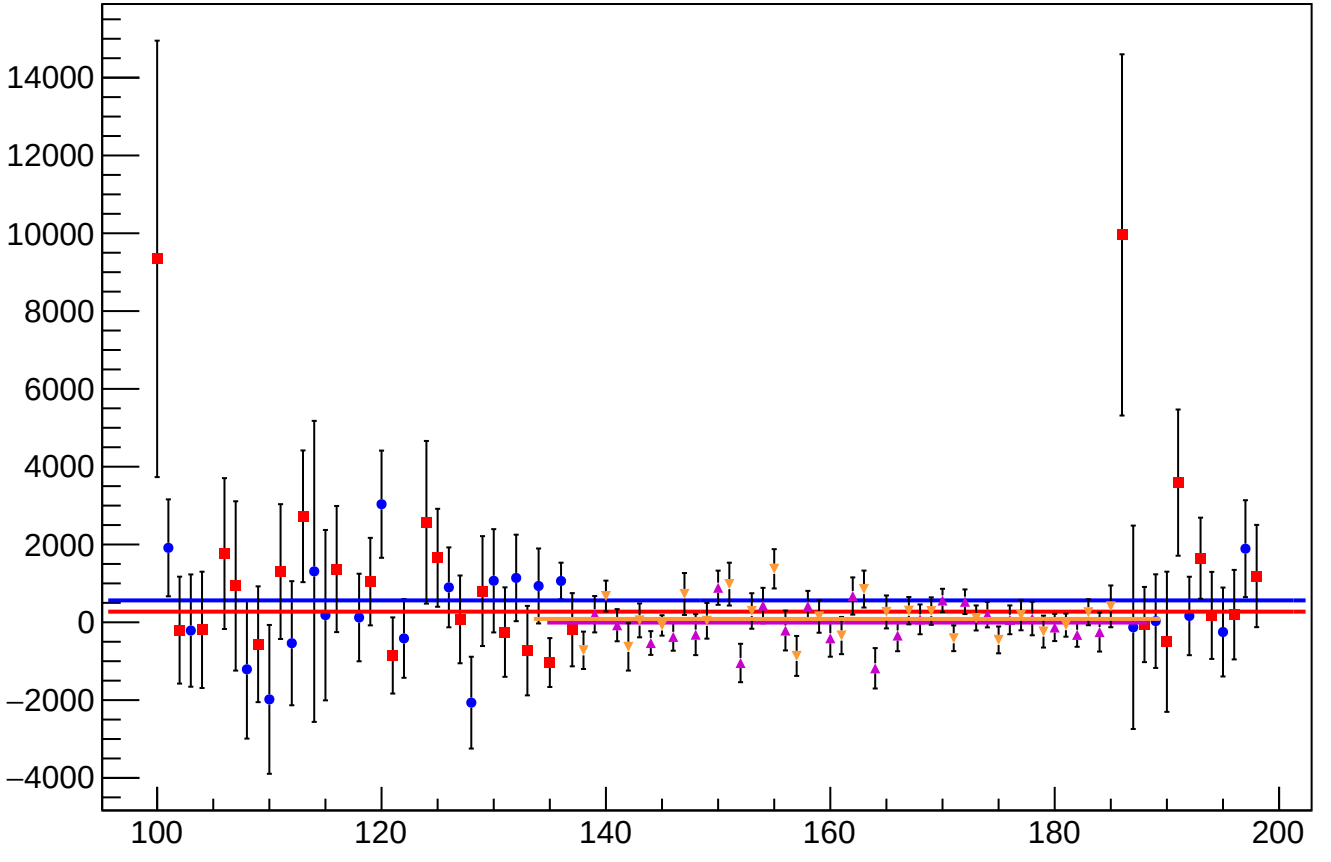
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 67.633+/-0.009 χ^2/NDF: 3140597.5/45

All: 68.409+/-0.006 χ^2/NDF: 7174943.3/95

- sign 69.206+/-0.009 χ^2/NDF: 4019296.5/49

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 563.122+/-245.791 χ^2/NDF: 17.9/20

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 274.023+/-243.141 χ^2/NDF: 26.7/26

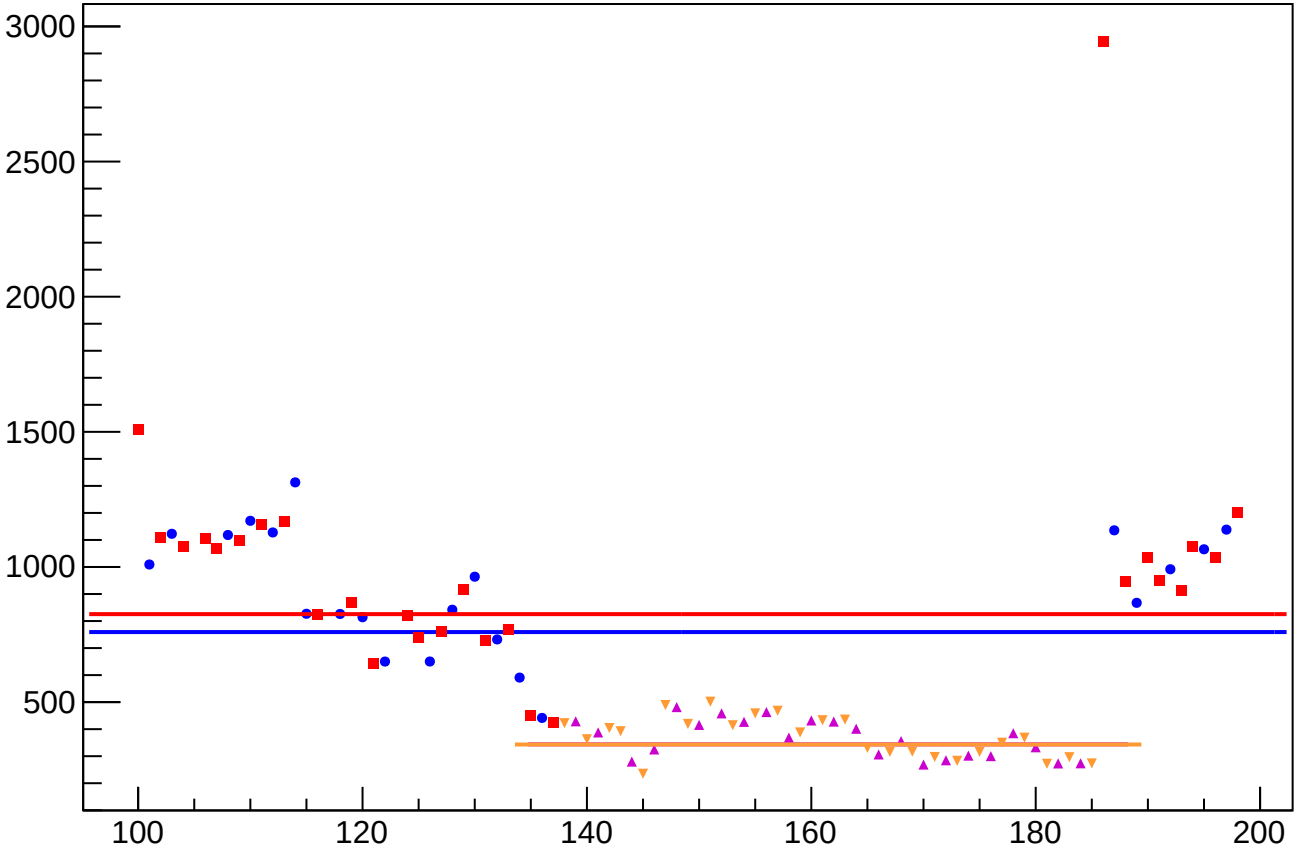
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 132.425+/-75.931 χ^2/NDF: 52.9/45

All: 78.658+/-54.338 χ^2/NDF: 114.3/95

- sign 22.220+/-77.794 χ^2/NDF: 60.3/49

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 759.223+/-0.174 χ^2/NDF: 2113490.7/20

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 825.572+/-0.172 χ^2/NDF: 2483056.9/26

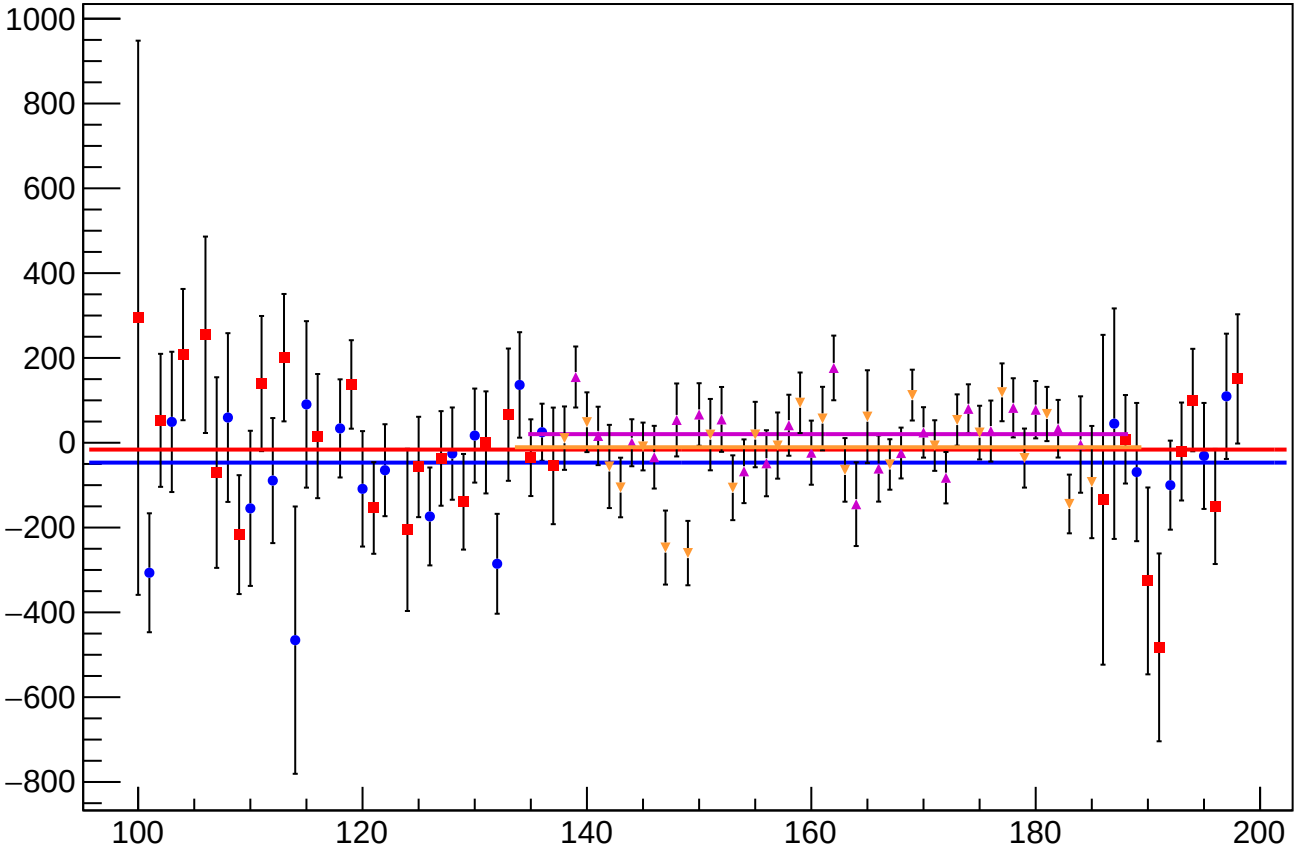
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 382.926+/-0.054 χ^2/NDF: 8891133.2/45

All: 387.863+/-0.038 χ^2/NDF: 19700764.3/95

- sign 393.045+/-0.055 χ^2/NDF: 10792301.5/49

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -46.846+/-27.861 χ^2/NDF: 18.0/20

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -16.102+/-26.676 χ^2/NDF: 25.3/26

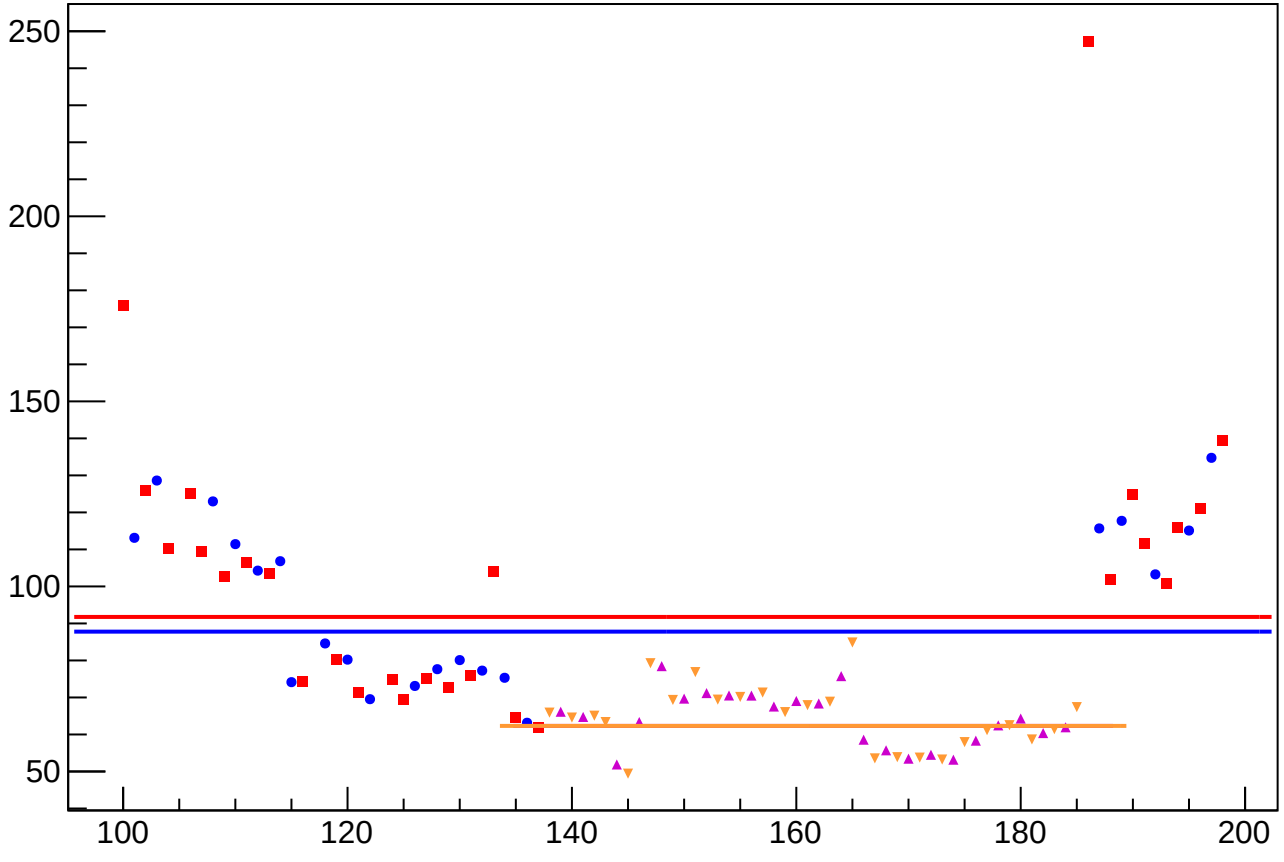
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

\+ sign -18.177+/-12.730 χ^2/NDF: 61.5/45

All: -3.407+/-9.064 χ^2/NDF: 112.6/95

\- sign 11.781+/-12.908 χ^2/NDF: 48.4/49

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 87.786+/-0.020 χ^2/NDF: 1181832.7/20

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

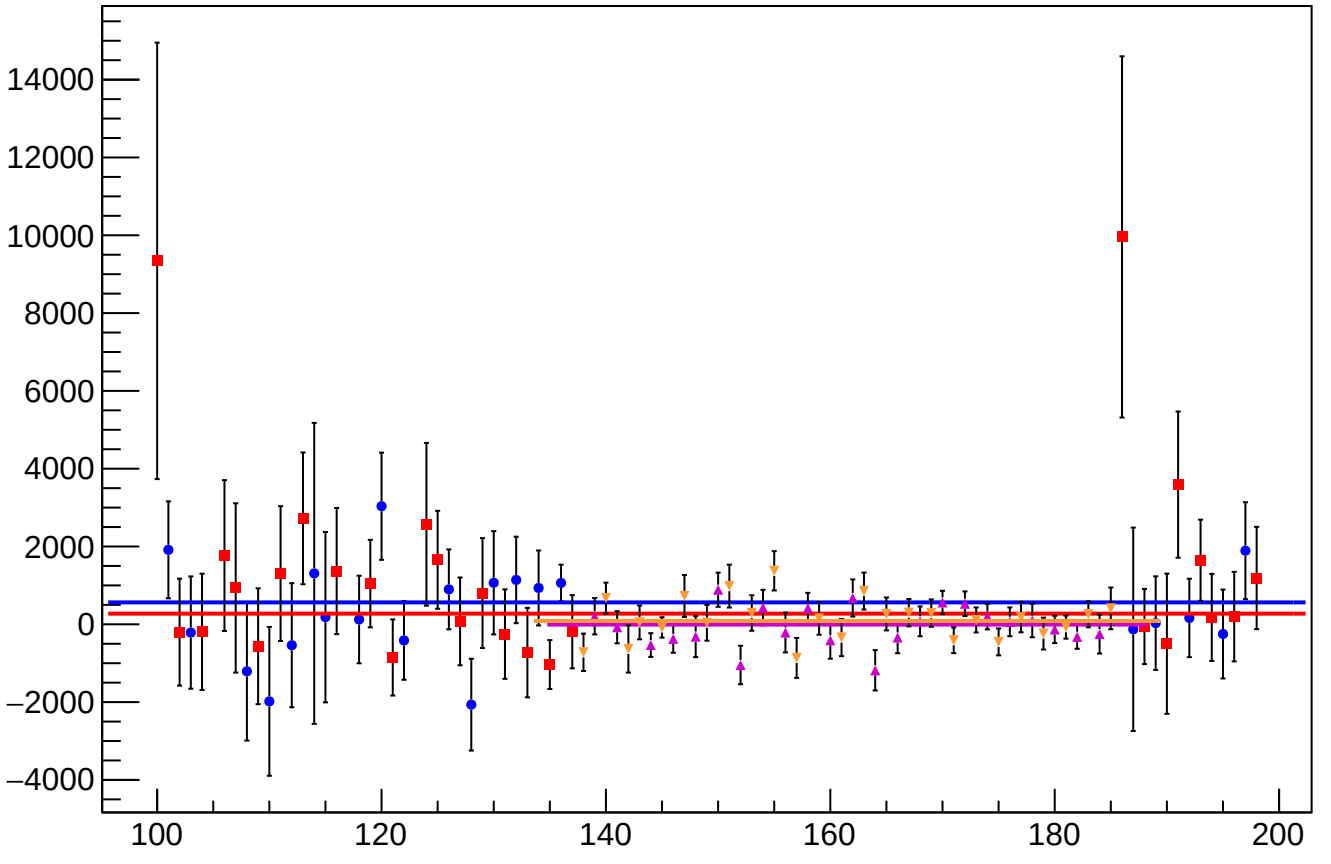
Right Out: 91.758+/-0.019 χ^2/NDF: 1668082.3/26

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 67.633+/-0.009 χ^2/NDF: 3140565.6/45

All: 68.409+/-0.006 χ^2/NDF: 7174850.9/95

- sign 69.206+/-0.009 χ^2/NDF: 4019233.3/49



Right In: 563.121+/-245.791 χ^2/NDF: 17.9/20

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

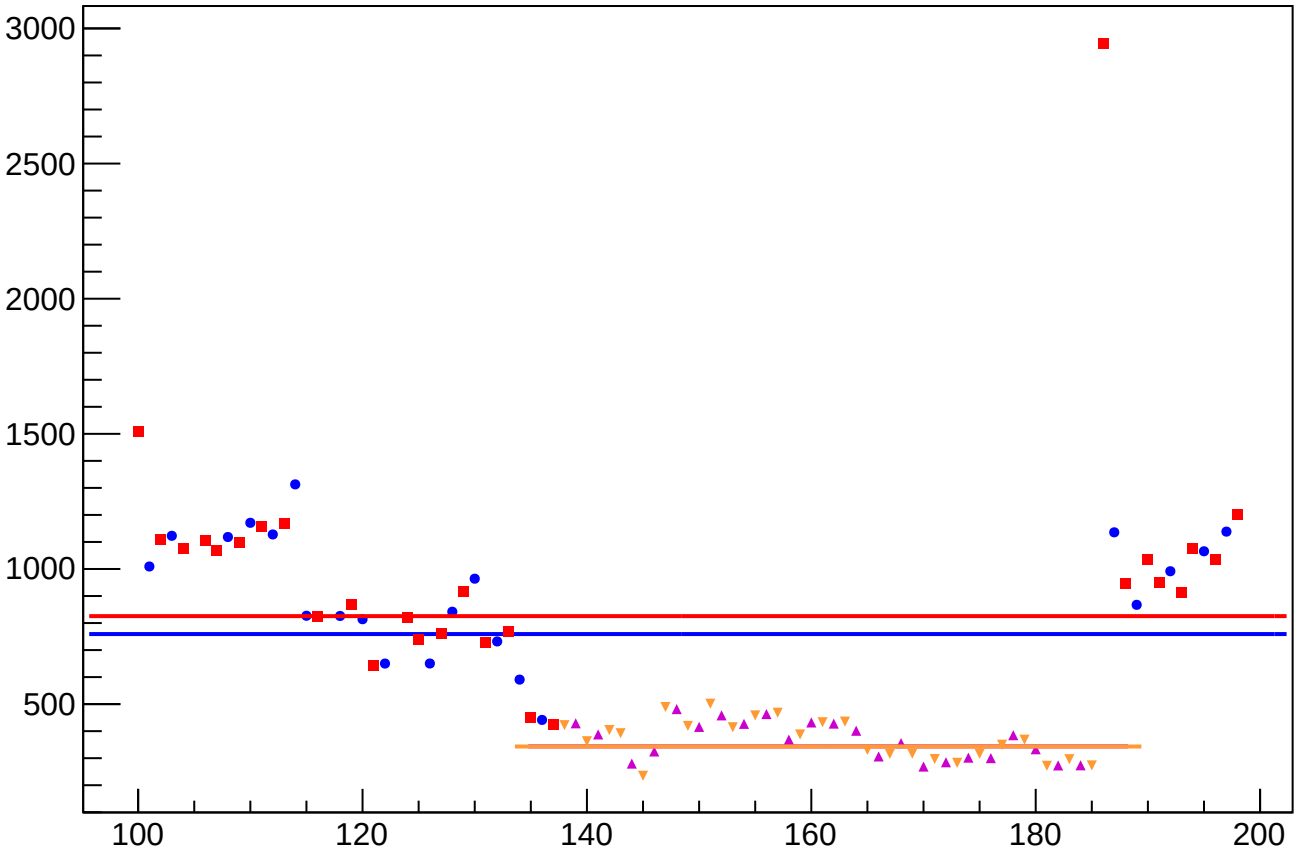
Right Out: 274.024+/-243.141 χ^2/NDF: 26.7/26

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 132.425+/-75.931 χ^2/NDF: 52.9/45

All: 78.658+/-54.338 χ^2/NDF: 114.3/95

- sign 22.220+/-77.794 χ^2/NDF: 60.3/49



Right In: 759.222+/-0.174 χ^2/NDF: 2113480.1/20

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 825.571+/-0.172 χ^2/NDF: 2483052.4/26

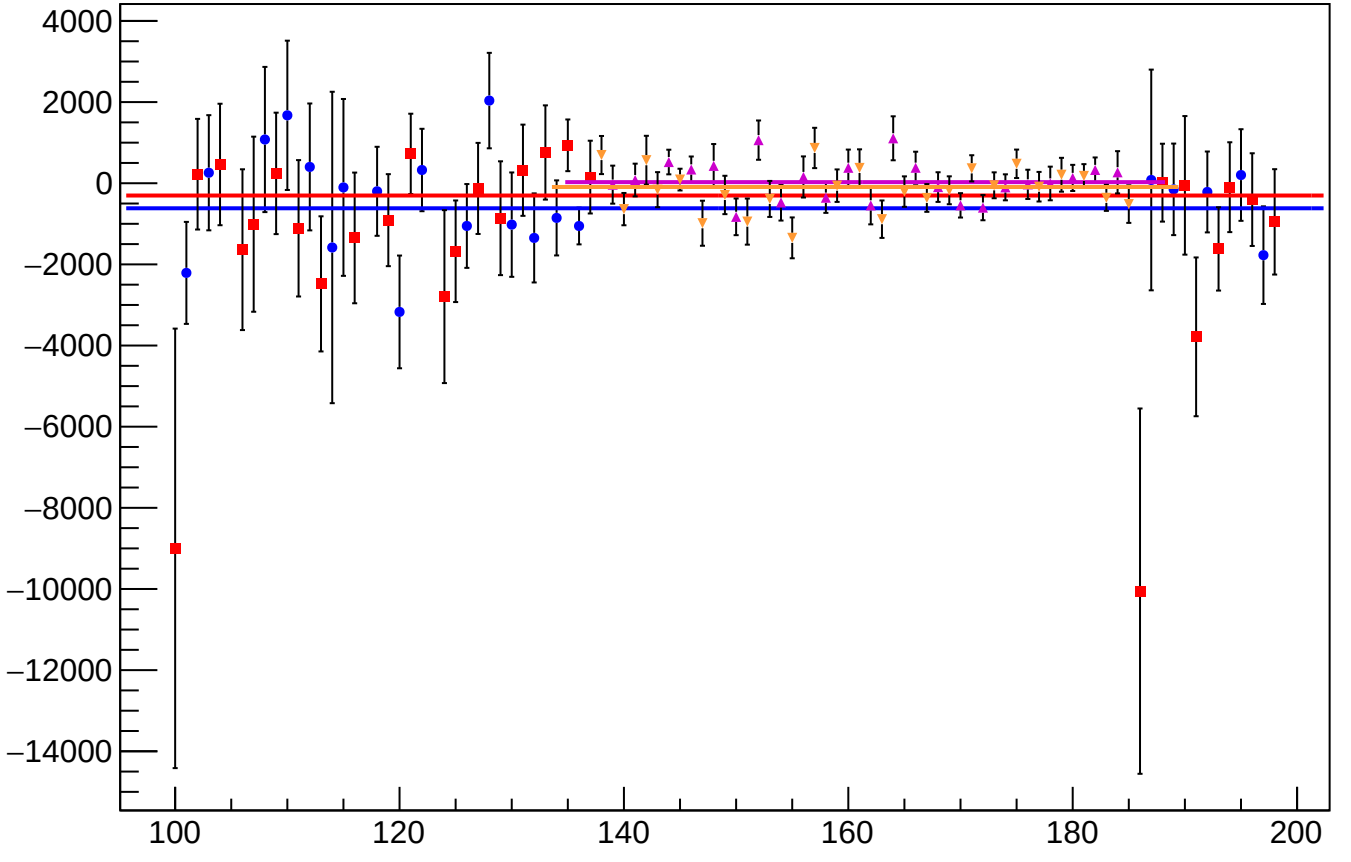
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 382.926+/-0.054 χ^2/NDF: 8891134.2/45

All: 387.863+/-0.038 χ^2/NDF: 19700760.2/95

- sign 393.045+/-0.055 χ^2/NDF: 10792296.0/49

asym_sam_15_26_dd_mean vs Slug



Right In: -617.293+/-240.566 χ^2/NDF: 18.0/20

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -302.738+/-241.835 χ^2/NDF: 25.3/26

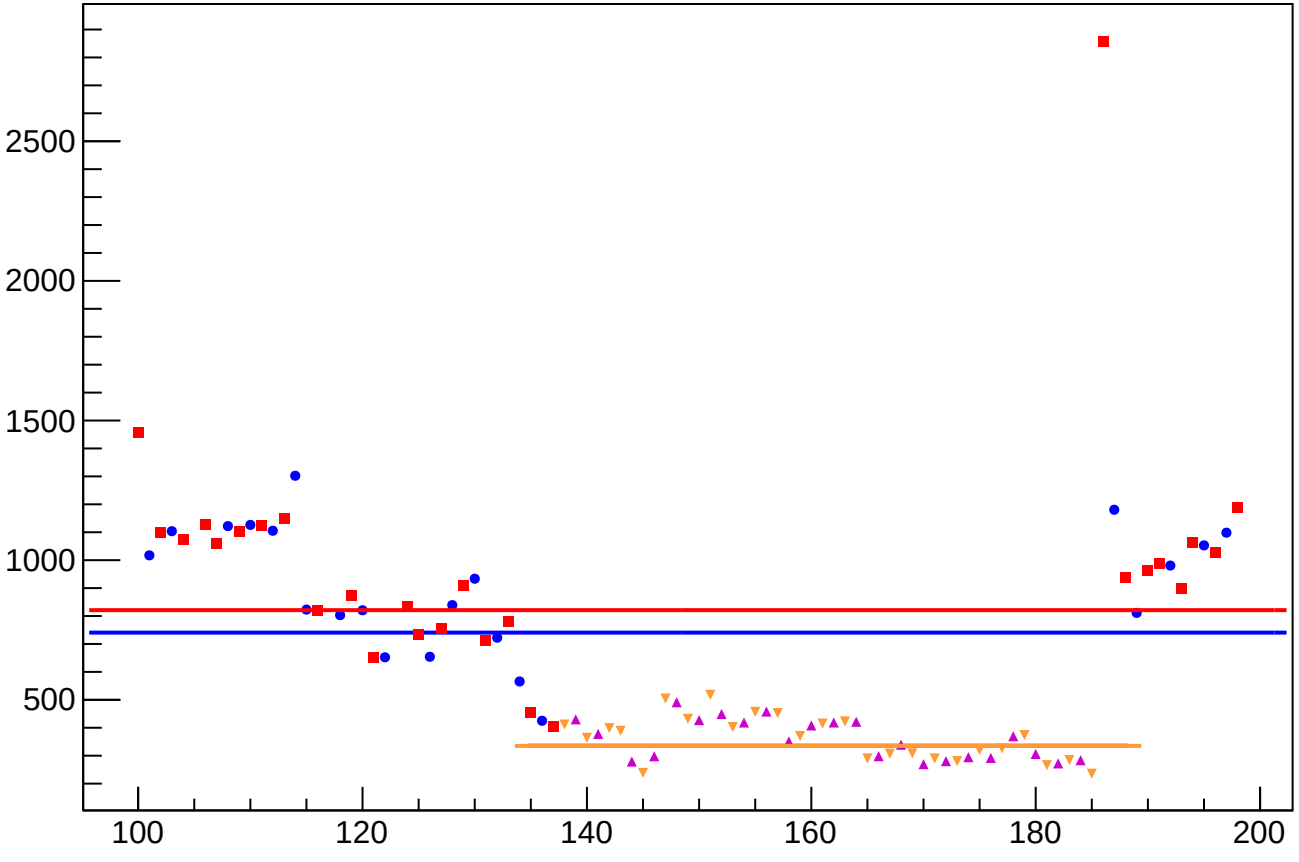
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -142.791+/-74.356 χ^2/NDF: 56.5/45

All: -75.773+/-53.194 χ^2/NDF: 116.0/95

- sign -5.520+/-76.130 χ^2/NDF: 57.8/49

asym_sam_15_26_dd_rms vs Slug



Right In: 740.651+/-0.170 χ^2/NDF: 2210986.7/20

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

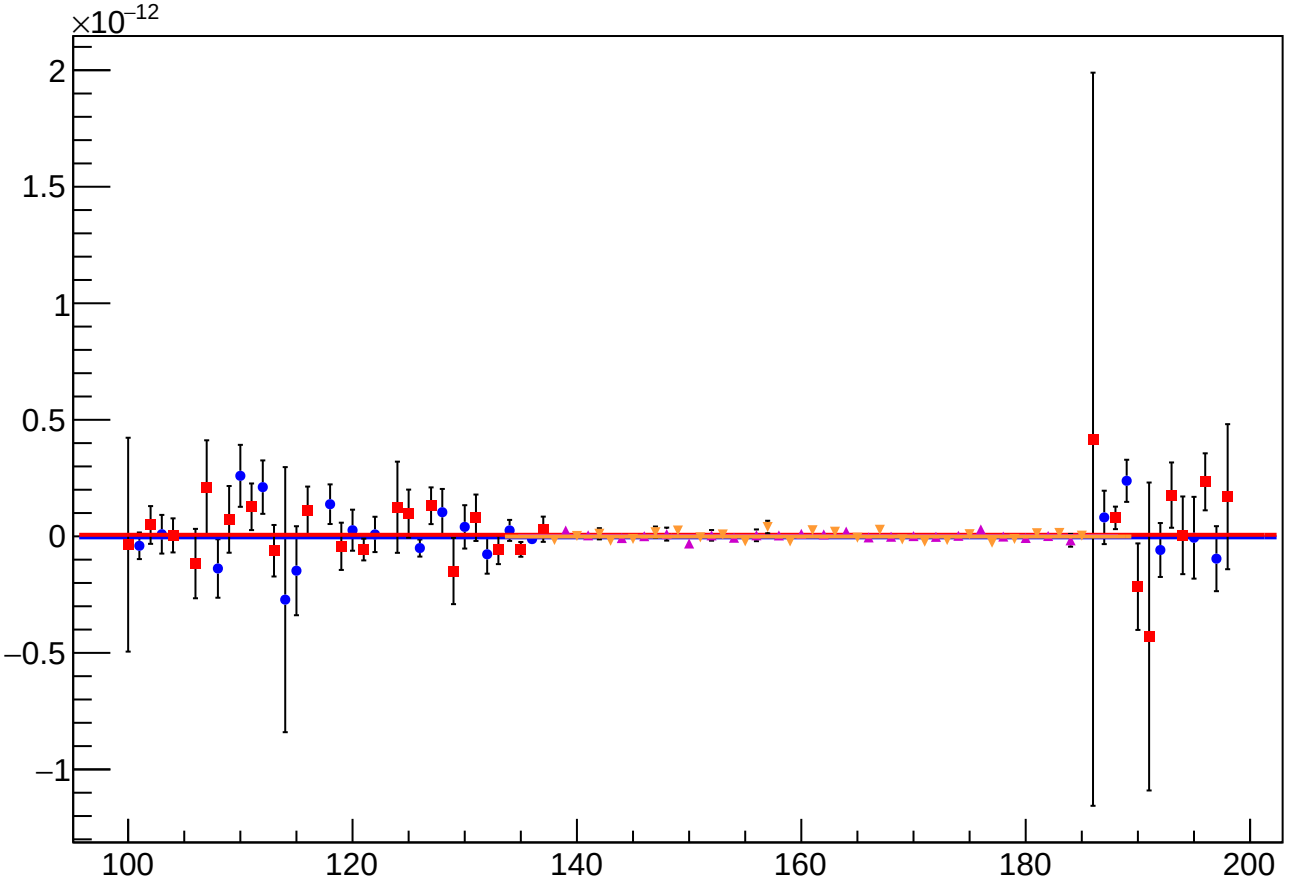
Right Out: 821.067+/-0.171 χ^2/NDF: 2457508.8/26

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 373.889+/-0.053 χ^2/NDF: 9056697.9/45

All: 378.766+/-0.038 χ^2/NDF: 20078479.3/95

- sign 383.878+/-0.054 χ^2/NDF: 11004160.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

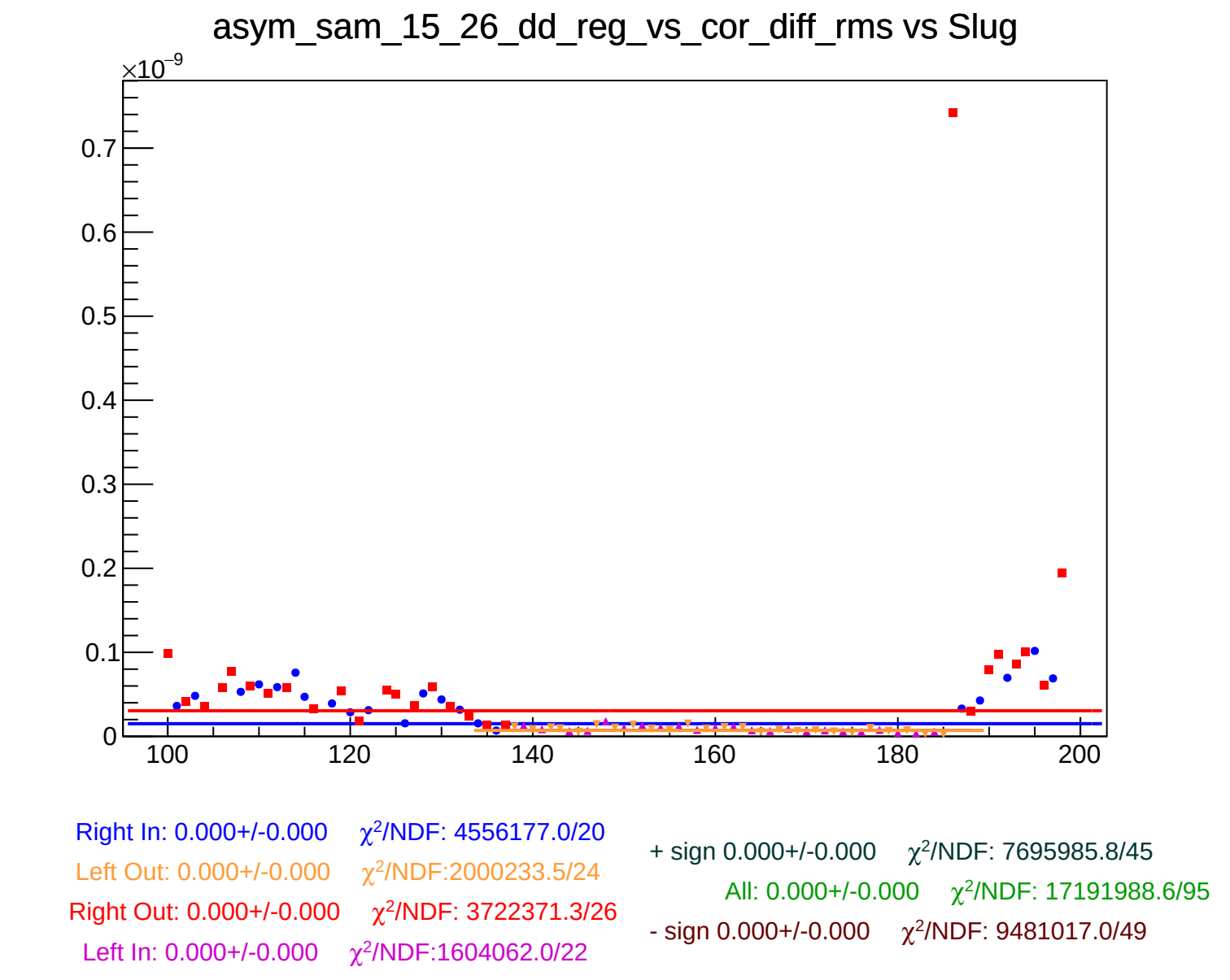
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/26

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

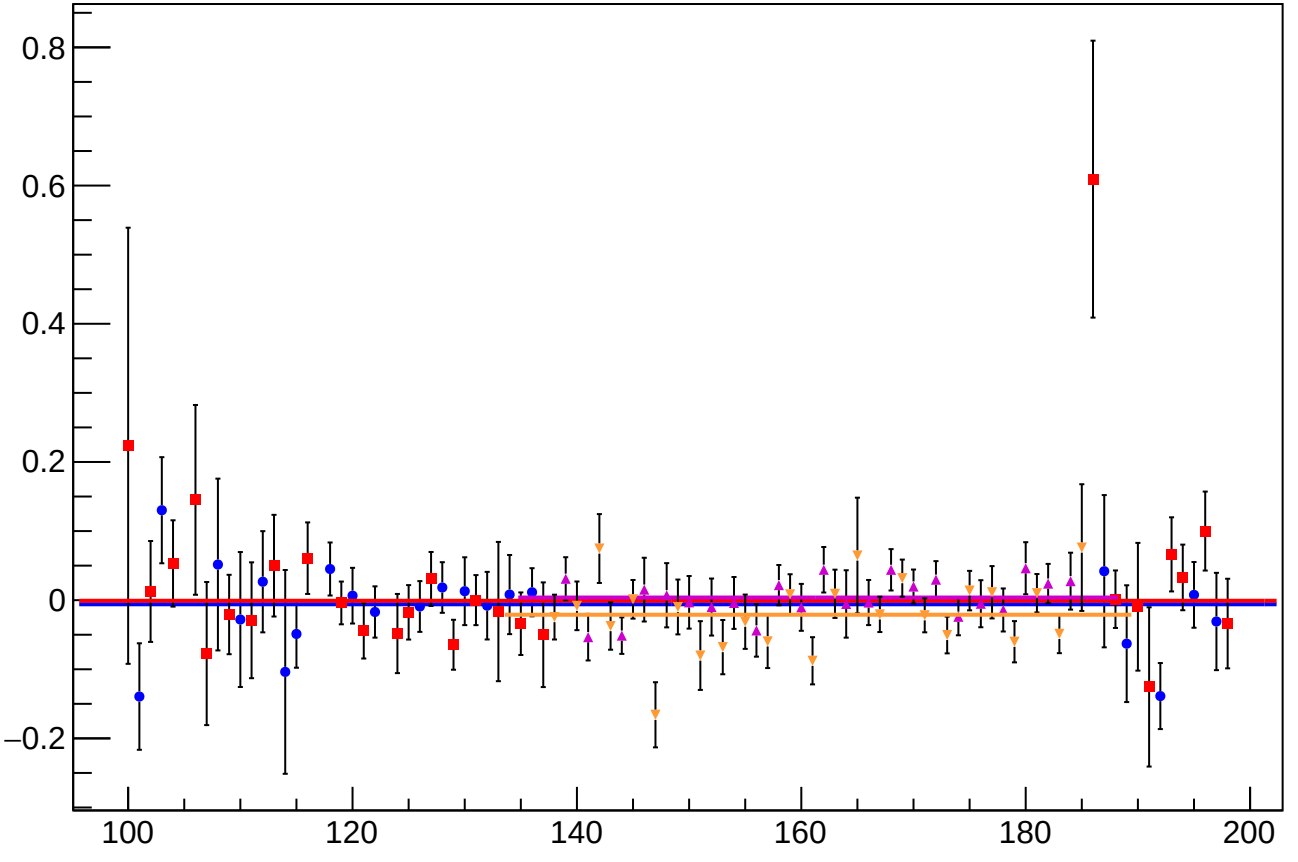
+ sign -0.000+/-0.000 χ^2/NDF: 59.1/45

All: 0.000+/-0.000 χ^2/NDF: 101.6/95

- sign 0.000+/-0.000 χ^2/NDF: 42.0/49


asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4556177.0/20
Left Out: 0.000+/-0.000 χ²/NDF:2000233.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3722371.3/26
Left In: 0.000+/-0.000 χ²/NDF:1604062.0/22
+ sign 0.000+/-0.000 χ²/NDF: 7695985.8/45
All: 0.000+/-0.000 χ²/NDF: 17191988.6/95
- sign 0.000+/-0.000 χ²/NDF: 9481017.0/49

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.001+/-0.010 χ^2/NDF: 27.8/26

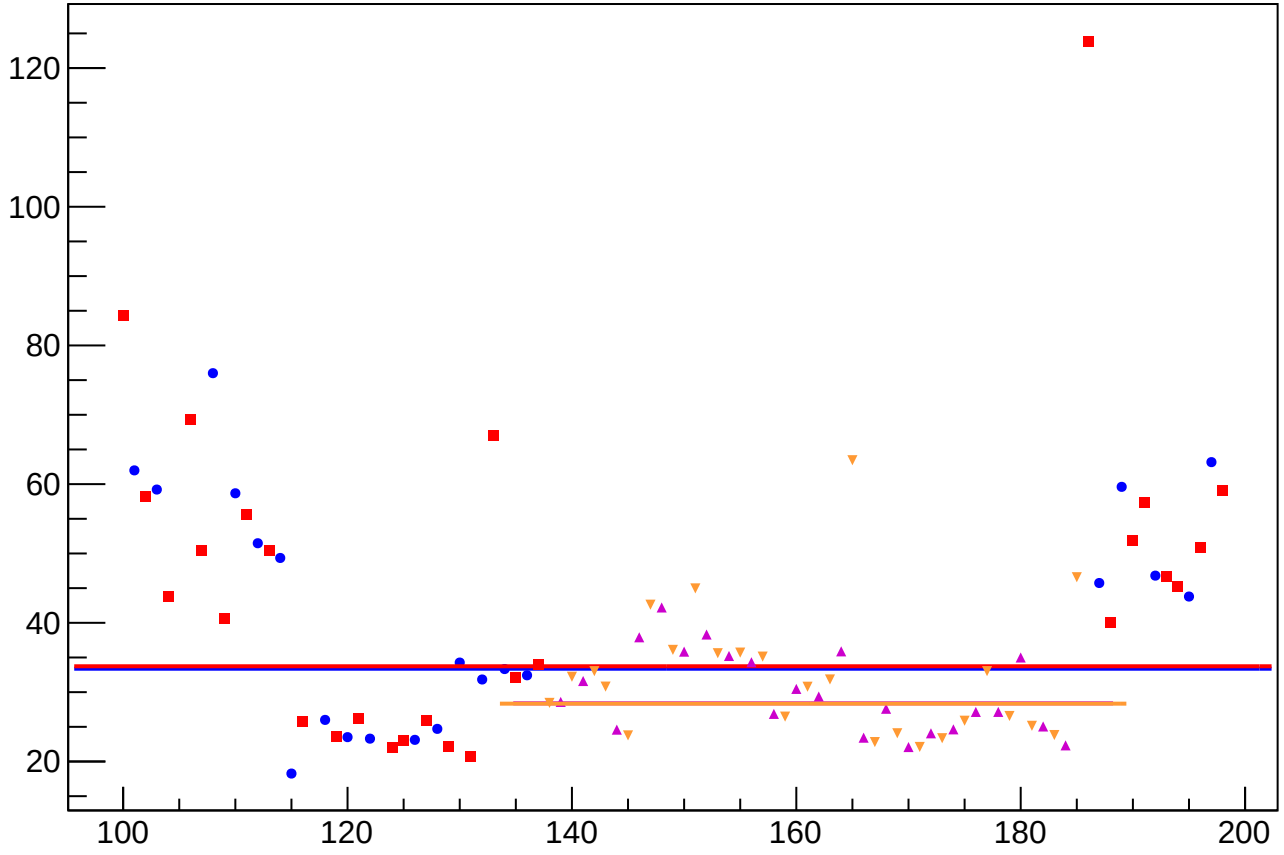
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.8/45

All: -0.007+/-0.004 χ^2/NDF: 110.2/95

- sign 0.002+/-0.006 χ^2/NDF: 46.6/49

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.382+/-0.008 χ^2/NDF: 2652230.6/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

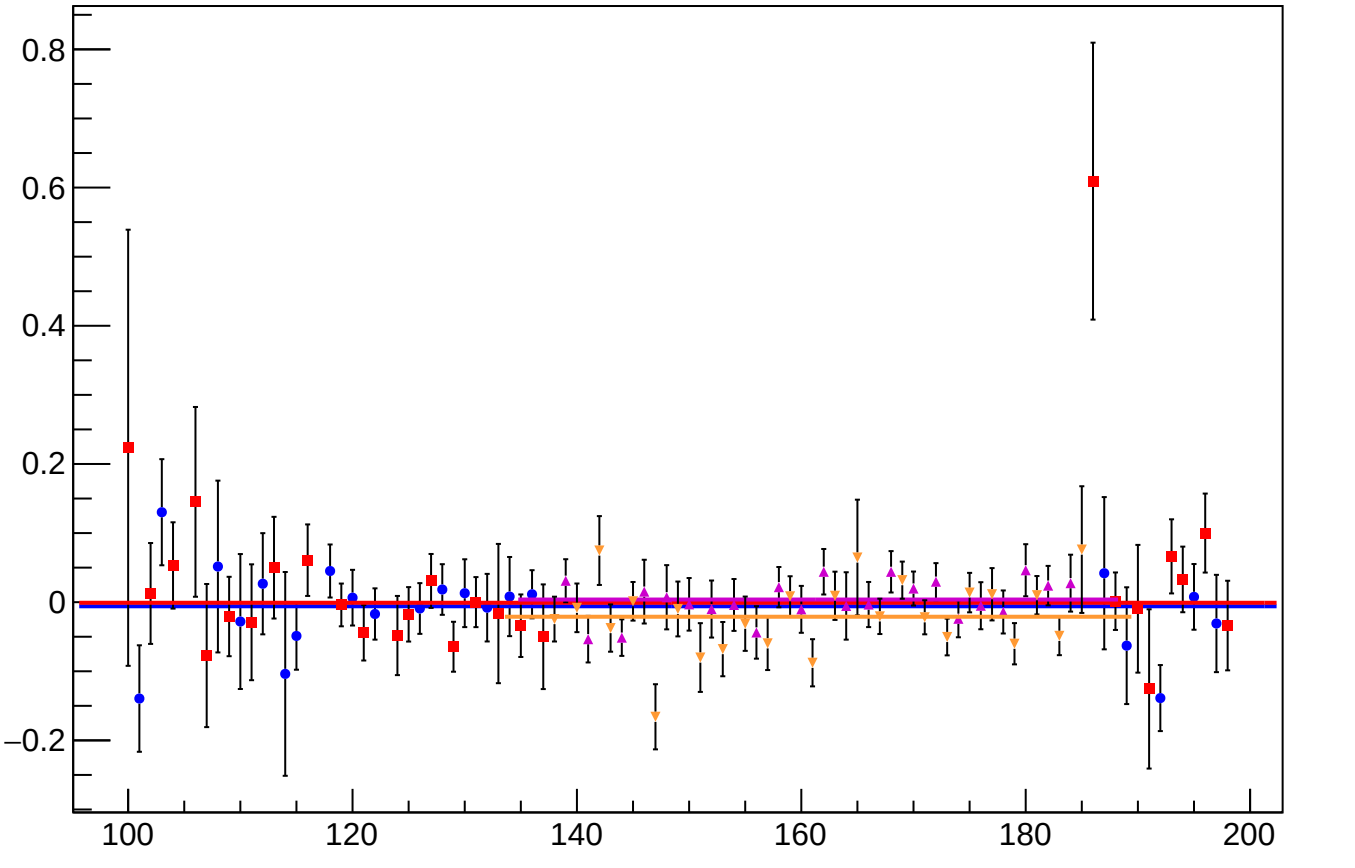
Right Out: 33.733+/-0.007 χ^2/NDF: 3442055.3/26

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 29.657+/-0.004 χ^2/NDF: 4683761.2/45

All: 29.836+/-0.003 χ^2/NDF: 9597904.8/95

- sign 30.015+/-0.004 χ^2/NDF: 4910221.6/49



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

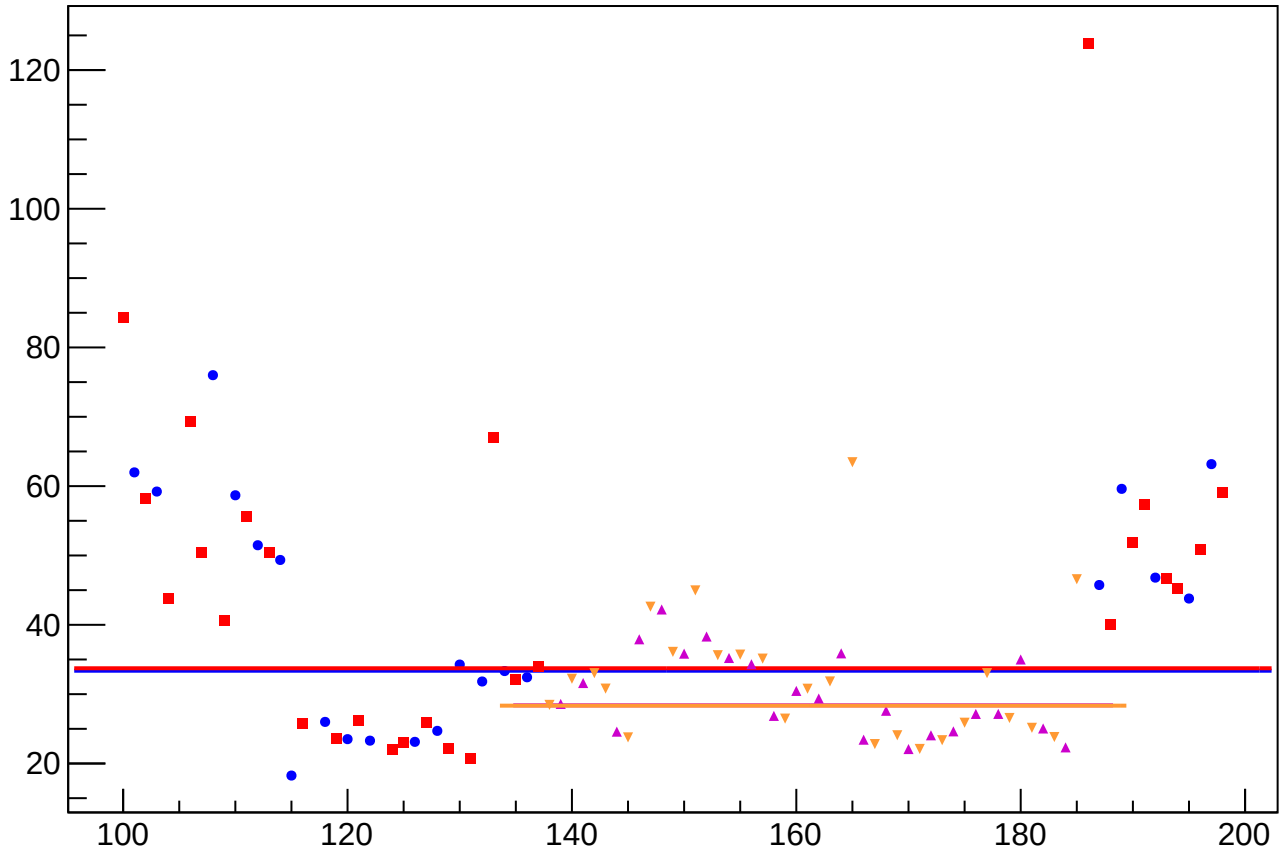
Right Out: -0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.8/45

All: -0.007+/-0.004 χ^2/NDF: 110.2/95

- sign 0.002+/-0.006 χ^2/NDF: 46.6/49



Right In: 33.382+/-0.008 χ^2/NDF: 2652230.6/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

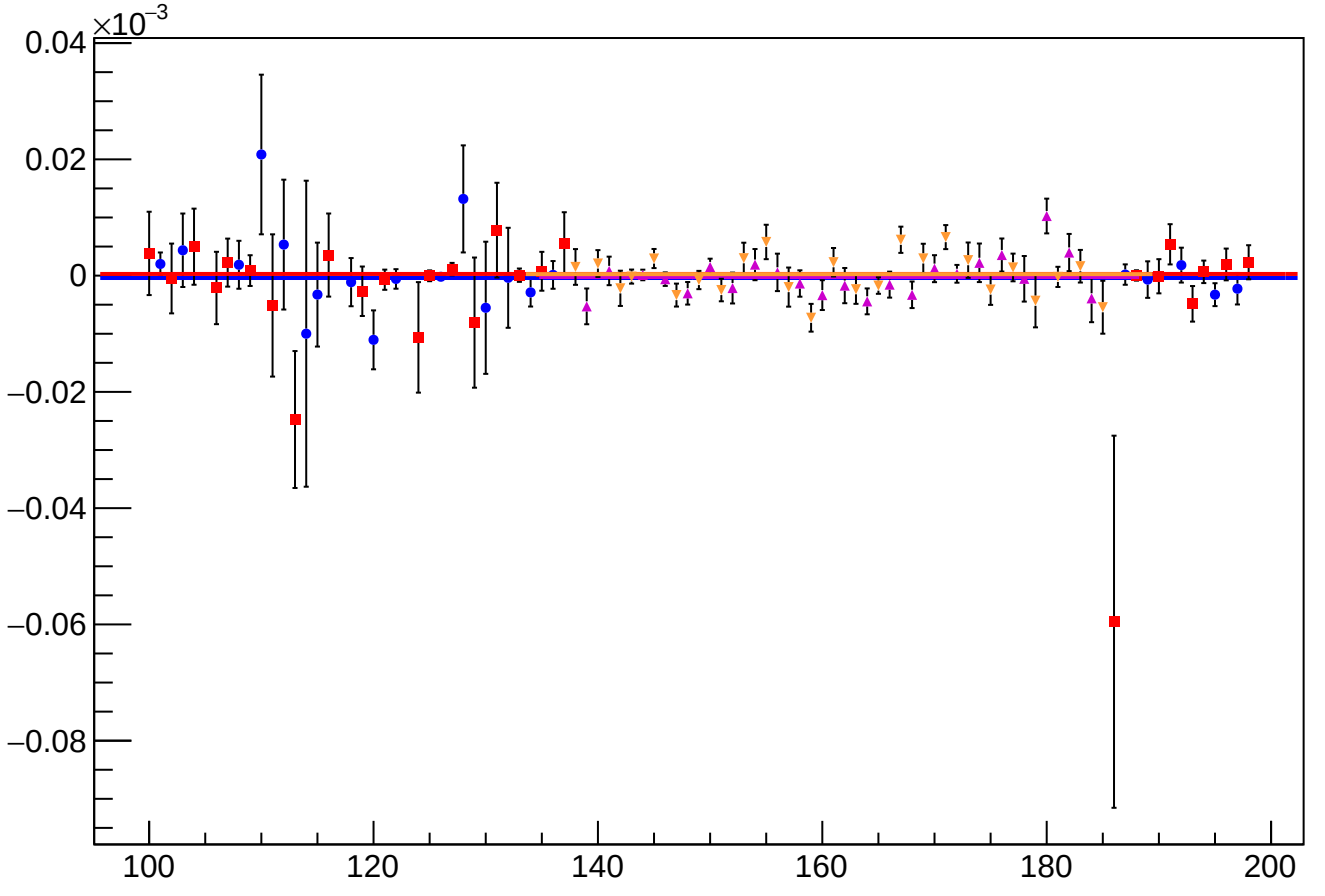
Right Out: 33.733+/-0.007 χ^2/NDF: 3442055.3/26

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 29.657+/-0.004 χ^2/NDF: 4683761.2/45

All: 29.836+/-0.003 χ^2/NDF: 9597904.8/95

- sign 30.015+/-0.004 χ^2/NDF: 4910221.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

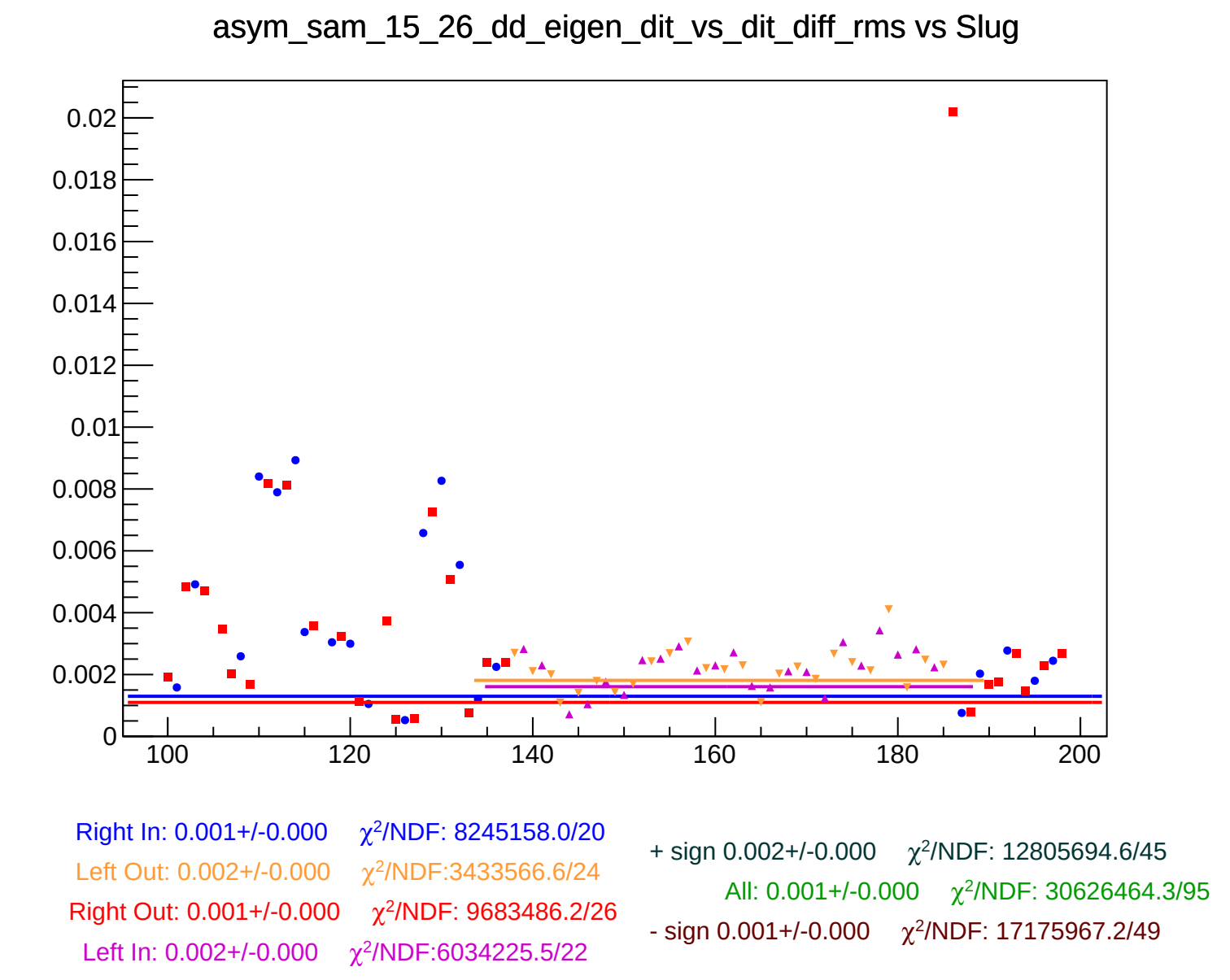
Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/26

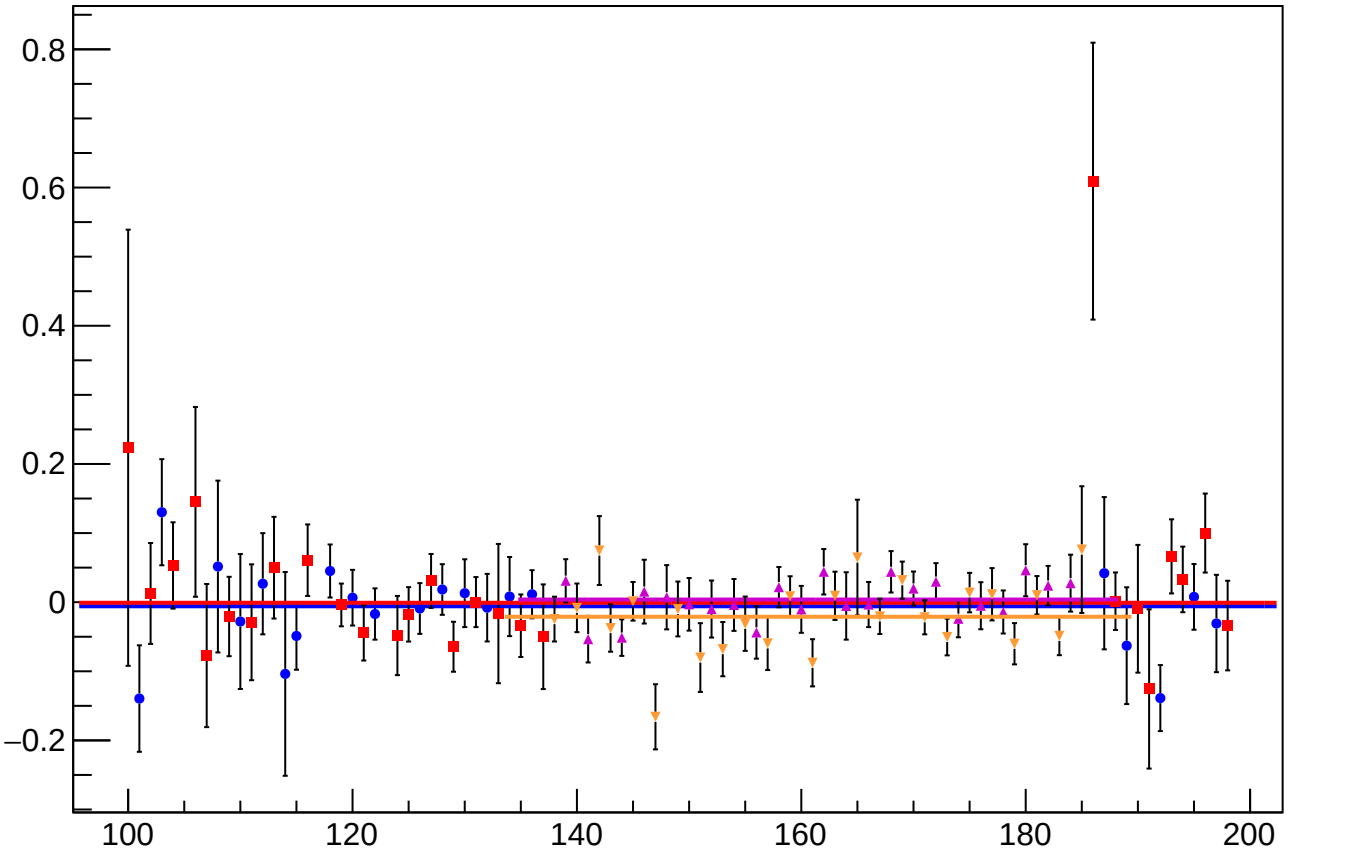
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.2/45

All: 0.000+/-0.000 χ^2/NDF: 123.1/95

- sign 0.000+/-0.000 χ^2/NDF: 54.9/49


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8245158.0/20
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 9683486.2/26
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
+ sign 0.002+/-0.000 χ²/NDF: 12805694.6/45
All: 0.001+/-0.000 χ²/NDF: 30626464.3/95
- sign 0.001+/-0.000 χ²/NDF: 17175967.2/49



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

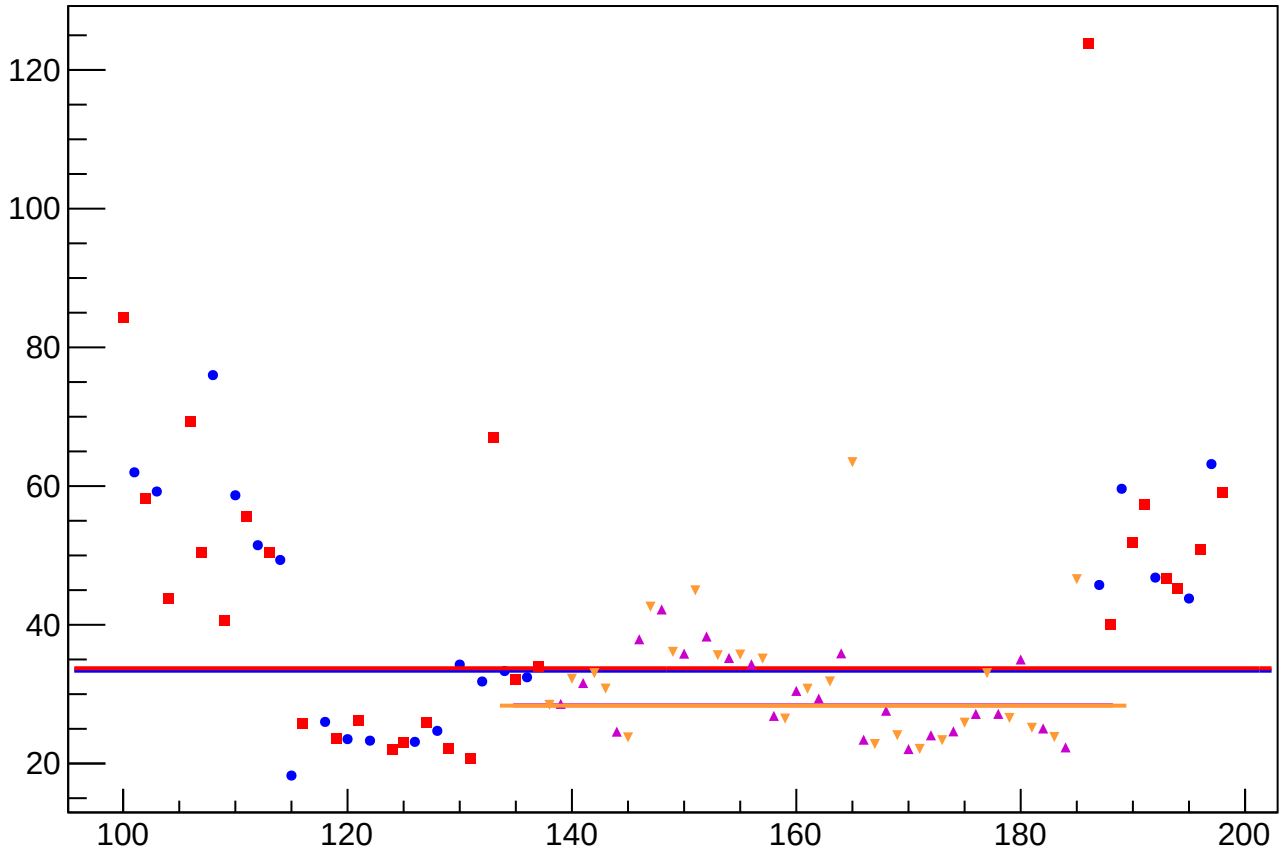
Right Out: -0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.8/45

All: -0.007+/-0.004 χ^2/NDF: 110.2/95

- sign 0.002+/-0.006 χ^2/NDF: 46.6/49



Right In: 33.382+/-0.008 χ^2/NDF: 2652079.5/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

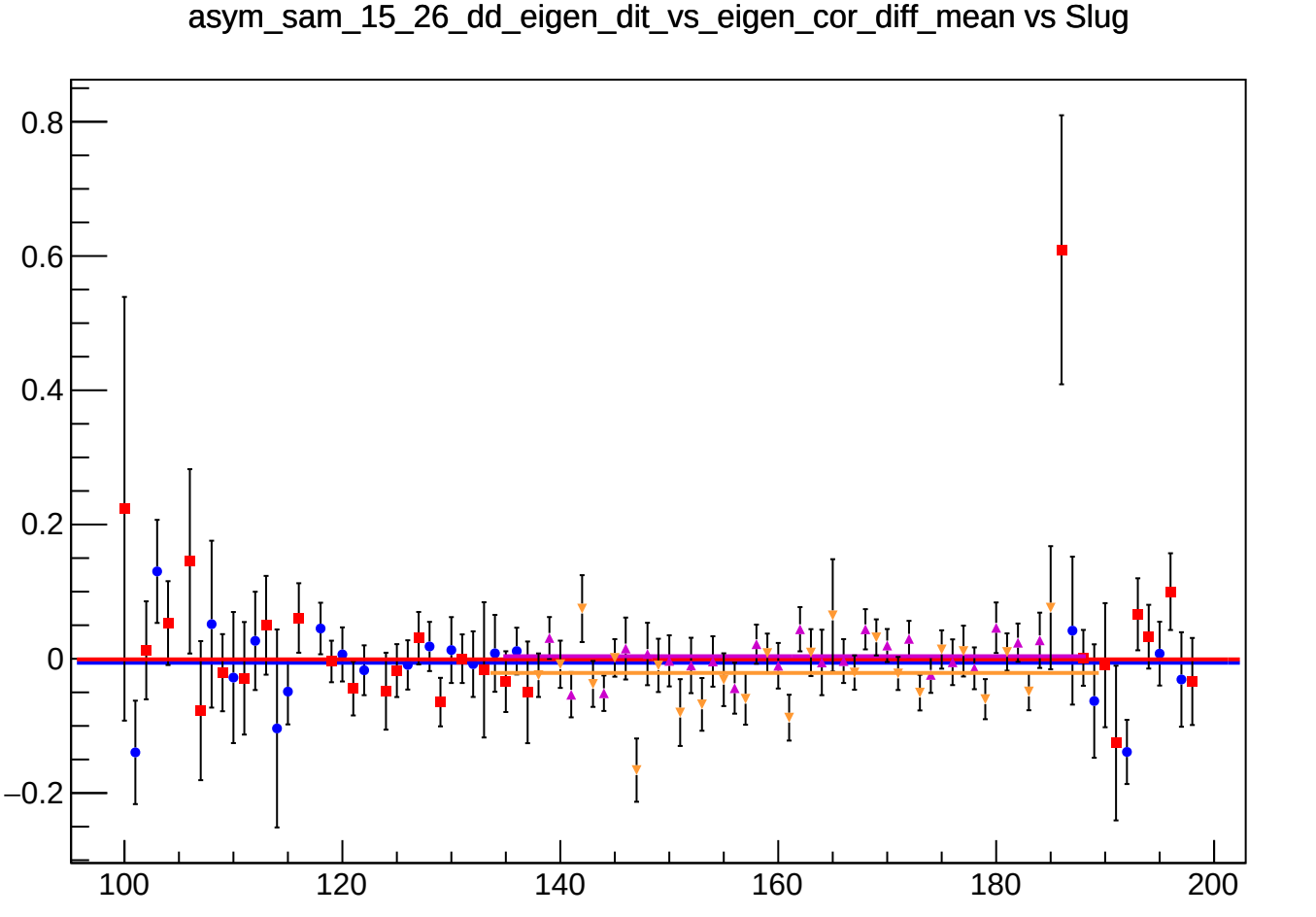
Right Out: 33.733+/-0.007 χ^2/NDF: 3442101.4/26

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.657+/-0.004 χ^2/NDF: 4683599.8/45

All: 29.837+/-0.003 χ^2/NDF: 9597690.2/95

\- sign 30.016+/-0.004 χ^2/NDF: 4910168.6/49



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

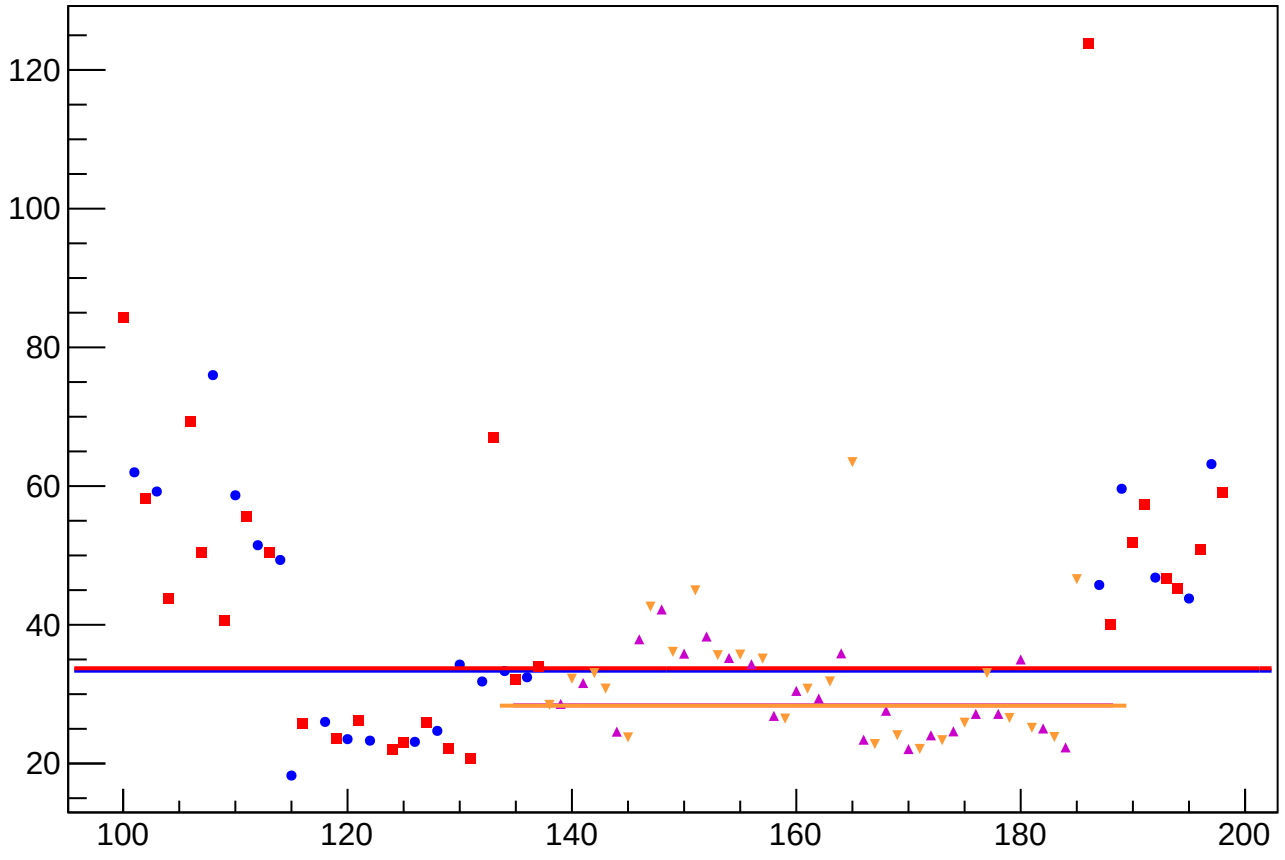
Right Out: -0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.8/45

All: -0.007+/-0.004 χ^2/NDF: 110.2/95

- sign 0.002+/-0.006 χ^2/NDF: 46.6/49



Right In: 33.382+/-0.008 χ^2/NDF: 2652079.5/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

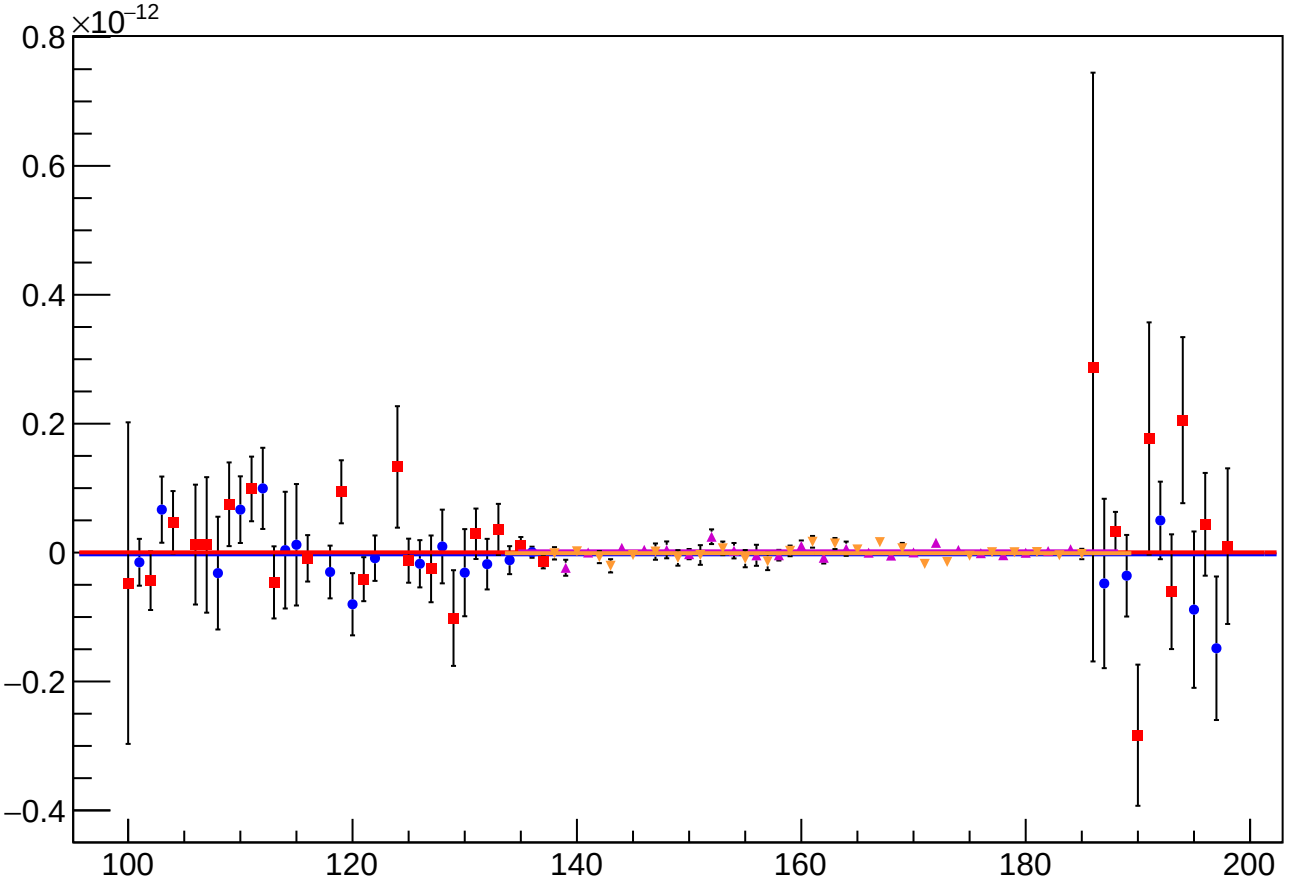
Right Out: 33.733+/-0.007 χ^2/NDF: 3442101.4/26

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 29.657+/-0.004 χ^2/NDF: 4683599.8/45

All: 29.837+/-0.003 χ^2/NDF: 9597690.2/95

- sign 30.016+/-0.004 χ^2/NDF: 4910168.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

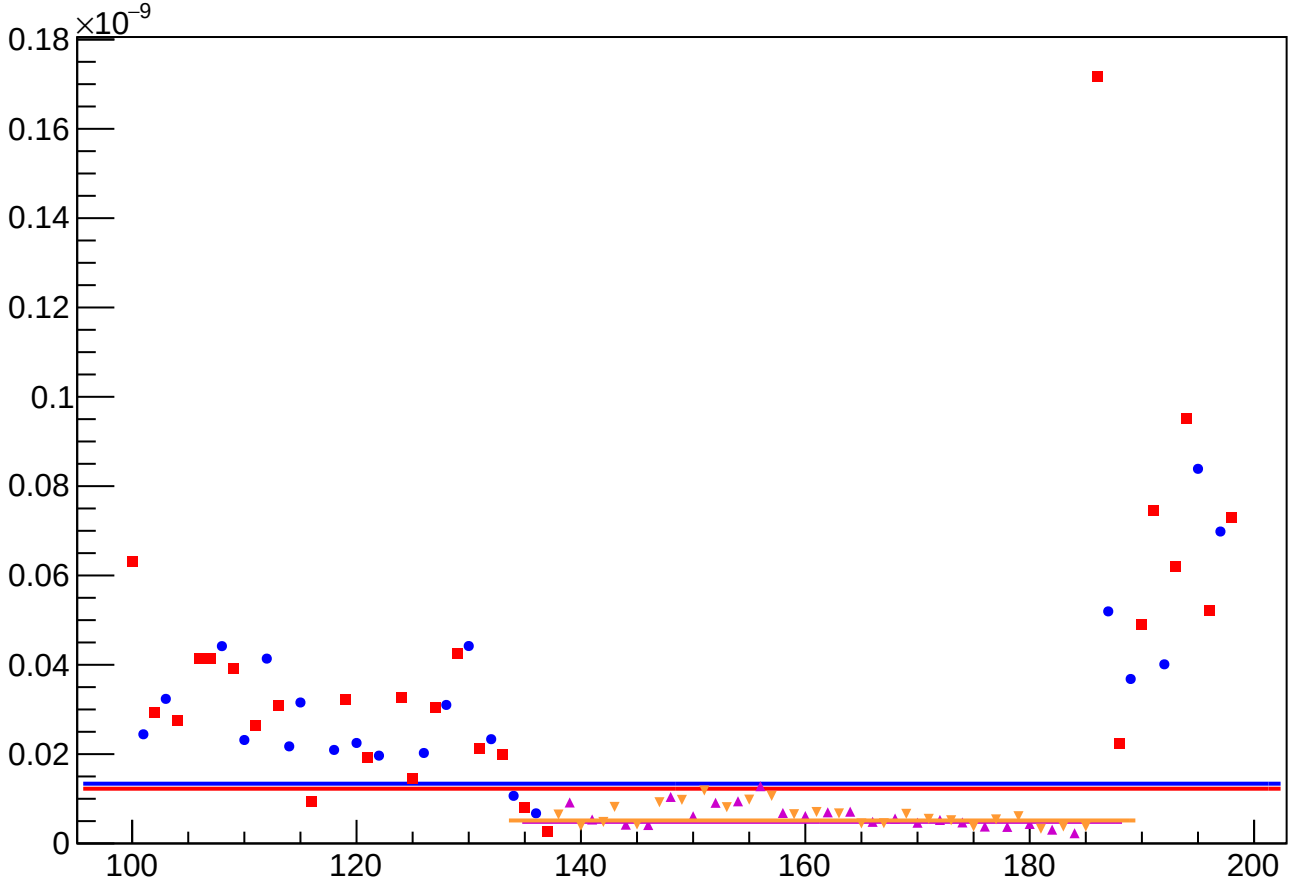
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/26

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.0/45

All: 0.000+/-0.000 χ^2/NDF: 103.5/95

- sign 0.000+/-0.000 χ^2/NDF: 53.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 5526116.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8284991.2/26

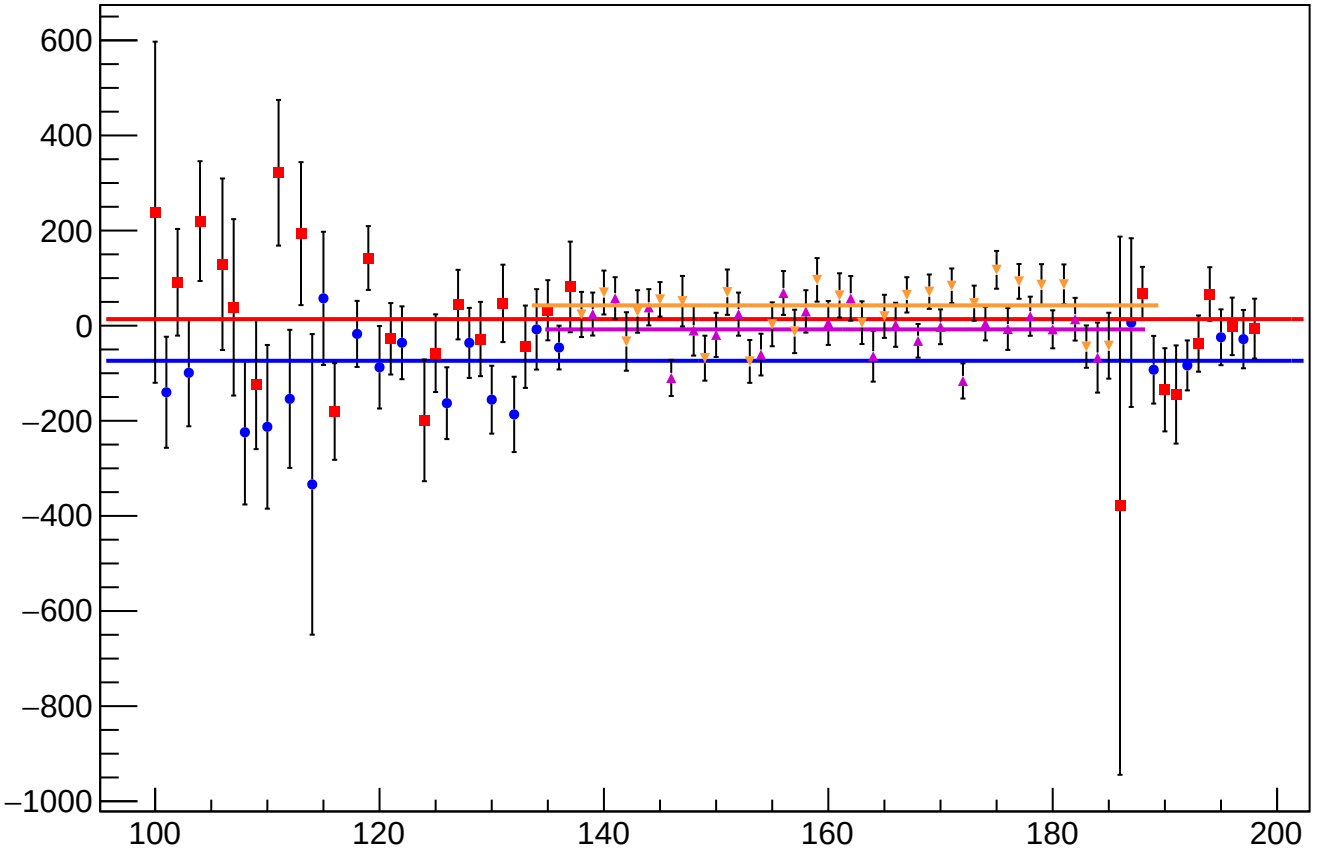
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11438582.5/45

All: 0.000+/-0.000 χ^2/NDF: 25346299.2/95

- sign 0.000+/-0.000 χ^2/NDF: 13854247.4/49

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -73.806+/-17.345 χ^2/NDF: 12.3/20

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 13.823+/-16.378 χ^2/NDF: 31.7/26

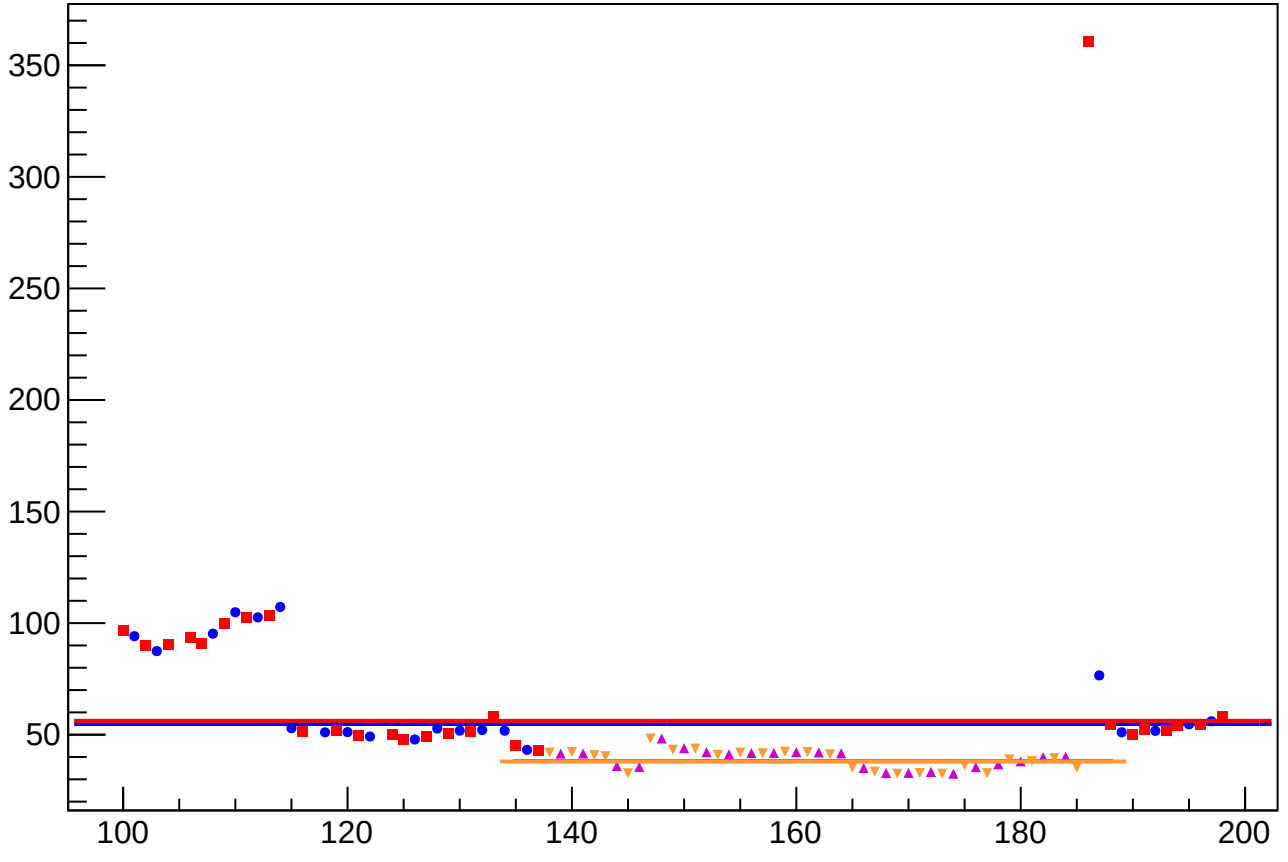
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 19.340+/-7.775 χ^2/NDF: 83.2/45

All: 8.408+/-5.531 χ^2/NDF: 150.9/95

- sign -2.794+/-7.870 χ^2/NDF: 63.7/49

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 54.795+/-0.012 χ^2/NDF: 1196511.2/20

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

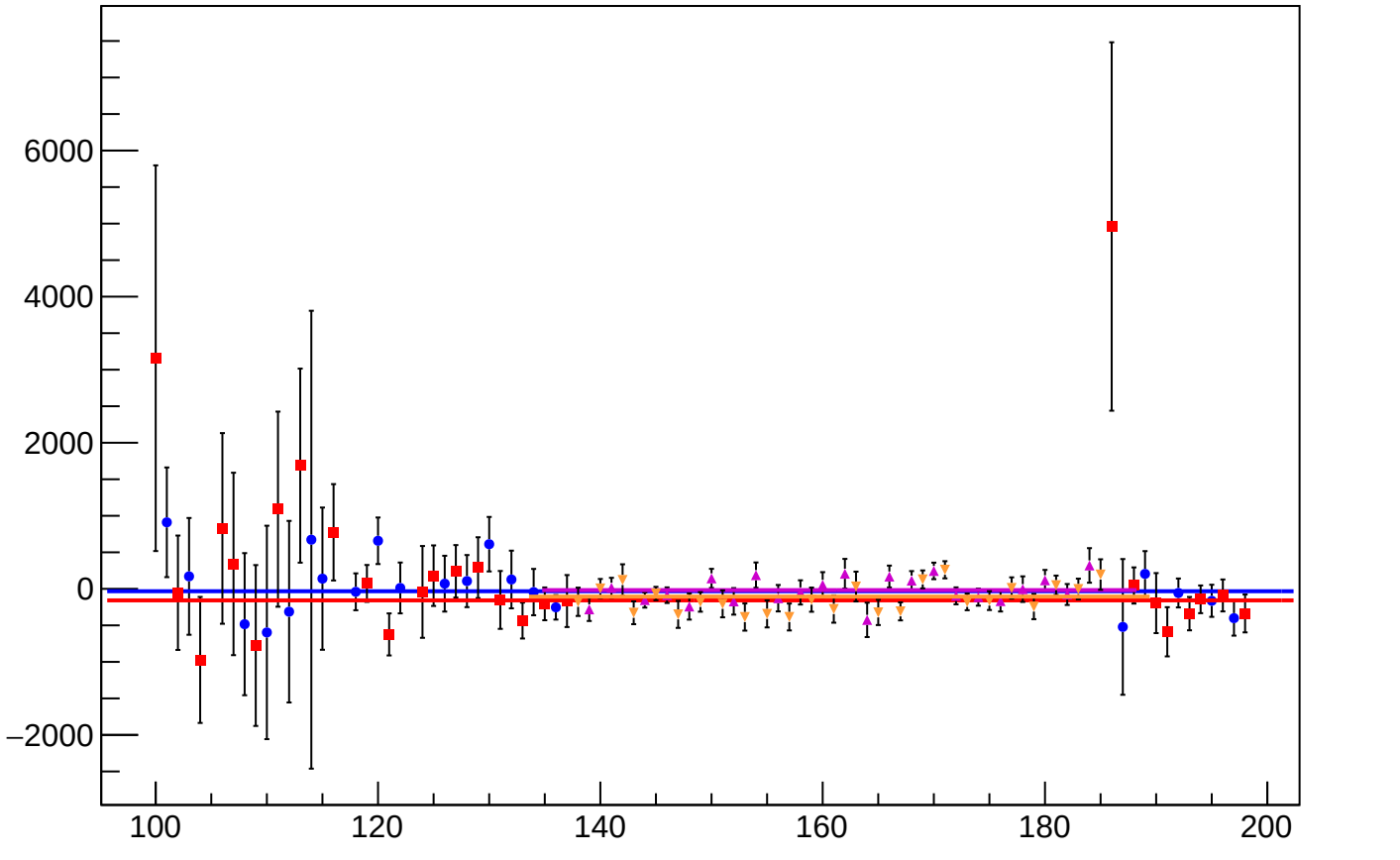
Right Out: 56.210+/-0.012 χ^2/NDF: 1899712.2/26

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.367+/-0.005 χ^2/NDF: 3210368.4/45

All: 41.831+/-0.004 χ^2/NDF: 7426834.4/95

- sign 42.307+/-0.006 χ^2/NDF: 4202014.4/49



Right In: -32.693+/-72.669 χ^2/NDF: 15.6/20

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -157.886+/-66.980 χ^2/NDF: 23.8/26

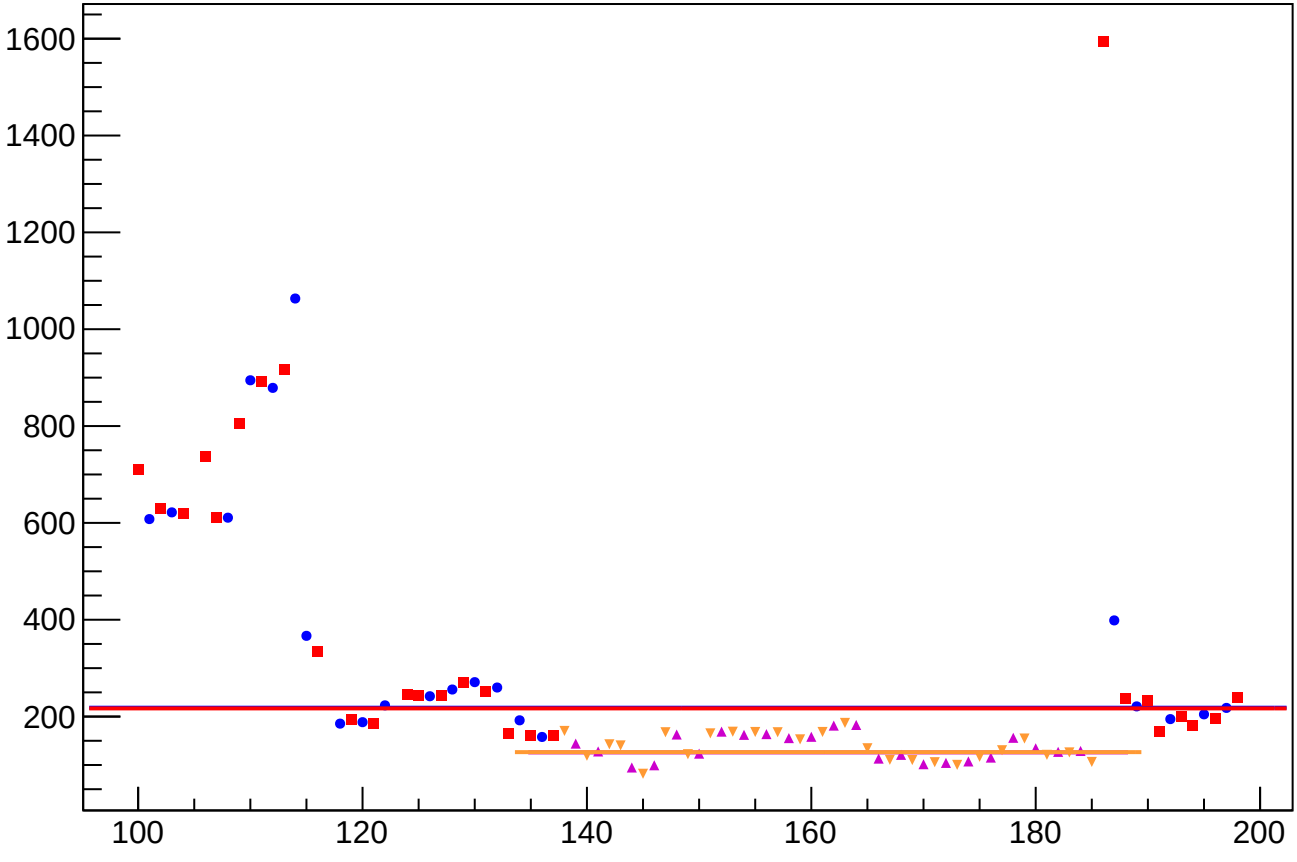
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -96.024+/-27.384 χ^2/NDF: 54.1/45

All: -68.754+/-19.411 χ^2/NDF: 111.8/95

- sign -41.212+/-27.520 χ^2/NDF: 55.7/49

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 218.312+/-0.051 χ^2/NDF: 3087110.8/20

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 216.870+/-0.047 χ^2/NDF: 4427774.0/26

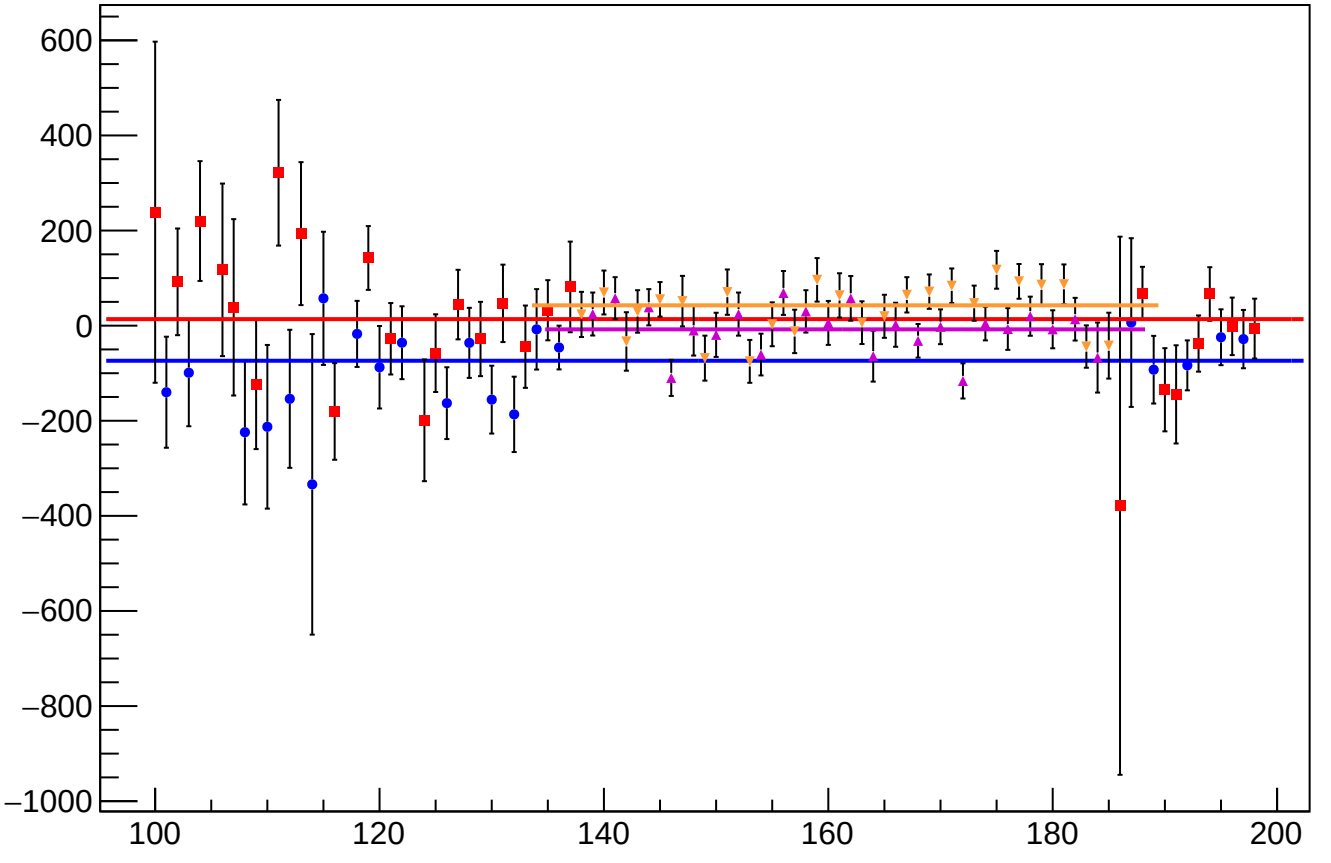
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 139.590+/-0.019 χ^2/NDF: 7580819.6/45

All: 140.466+/-0.014 χ^2/NDF: 16482168.8/95

- sign 141.351+/-0.019 χ^2/NDF: 8897233.4/49

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -73.802+/-17.345 χ^2/NDF: 12.3/20

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 13.737+/-16.379 χ^2/NDF: 31.7/26

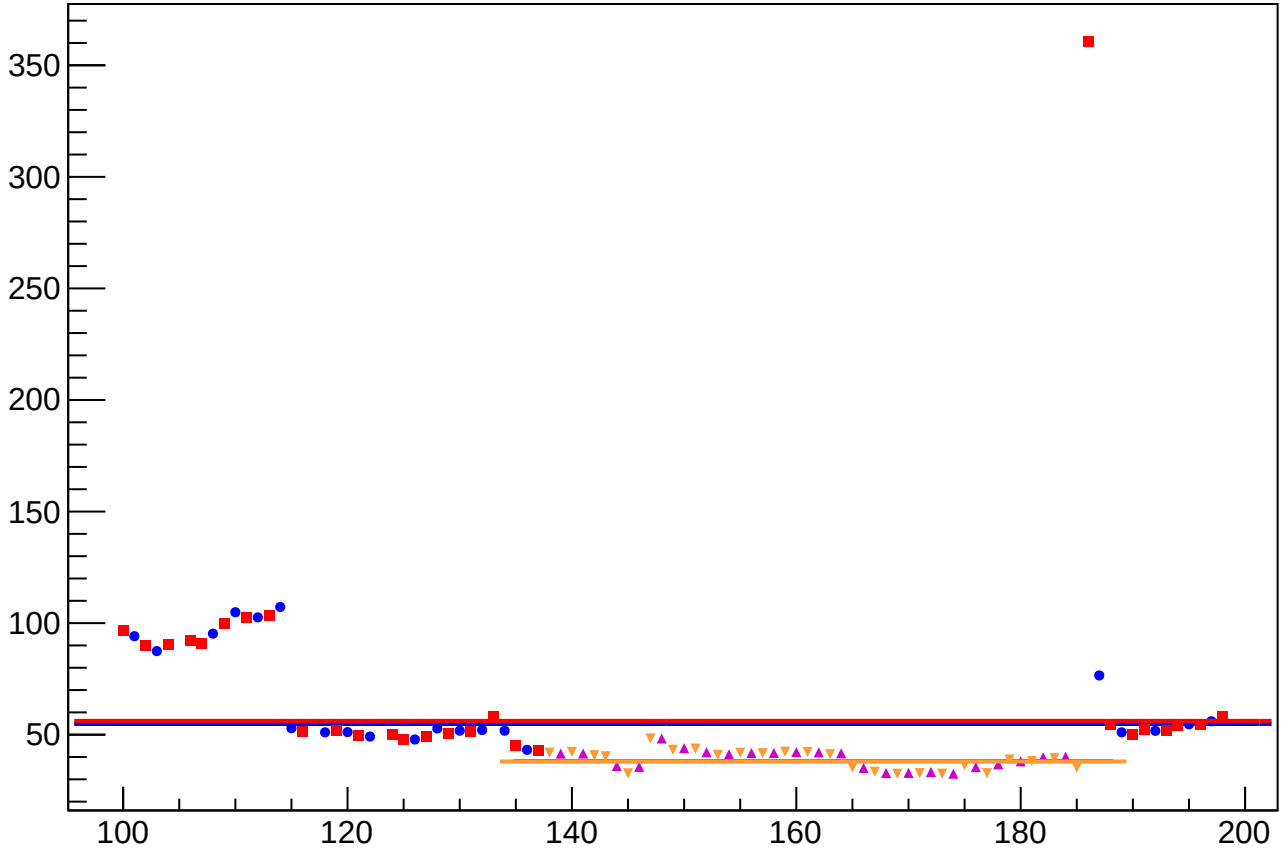
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 19.343+/-7.775 χ^2/NDF: 83.2/45

All: 8.398+/-5.531 χ^2/NDF: 150.8/95

- sign -2.815+/-7.870 χ^2/NDF: 63.6/49

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.795+/-0.012 χ^2/NDF: 1196511.4/20

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

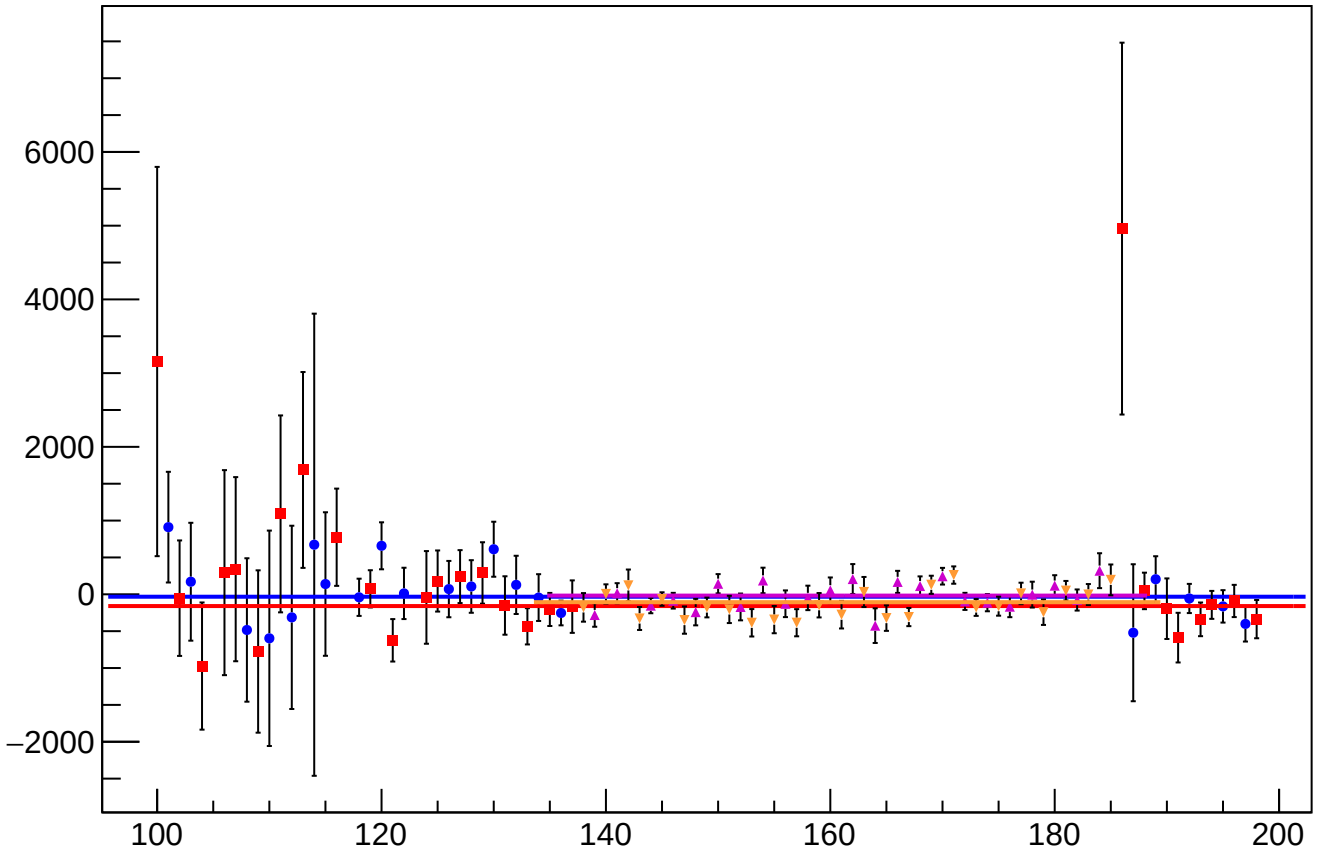
Right Out: 56.194+/-0.012 χ^2/NDF: 1891996.3/26

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.367+/-0.005 χ^2/NDF: 3210368.6/45

All: 41.829+/-0.004 χ^2/NDF: 7415517.6/95

- sign 42.303+/-0.006 χ^2/NDF: 4190821.6/49



Right In: -32.691+/-72.669 χ^2/NDF: 15.6/20

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -159.412+/-66.991 χ^2/NDF: 23.4/26

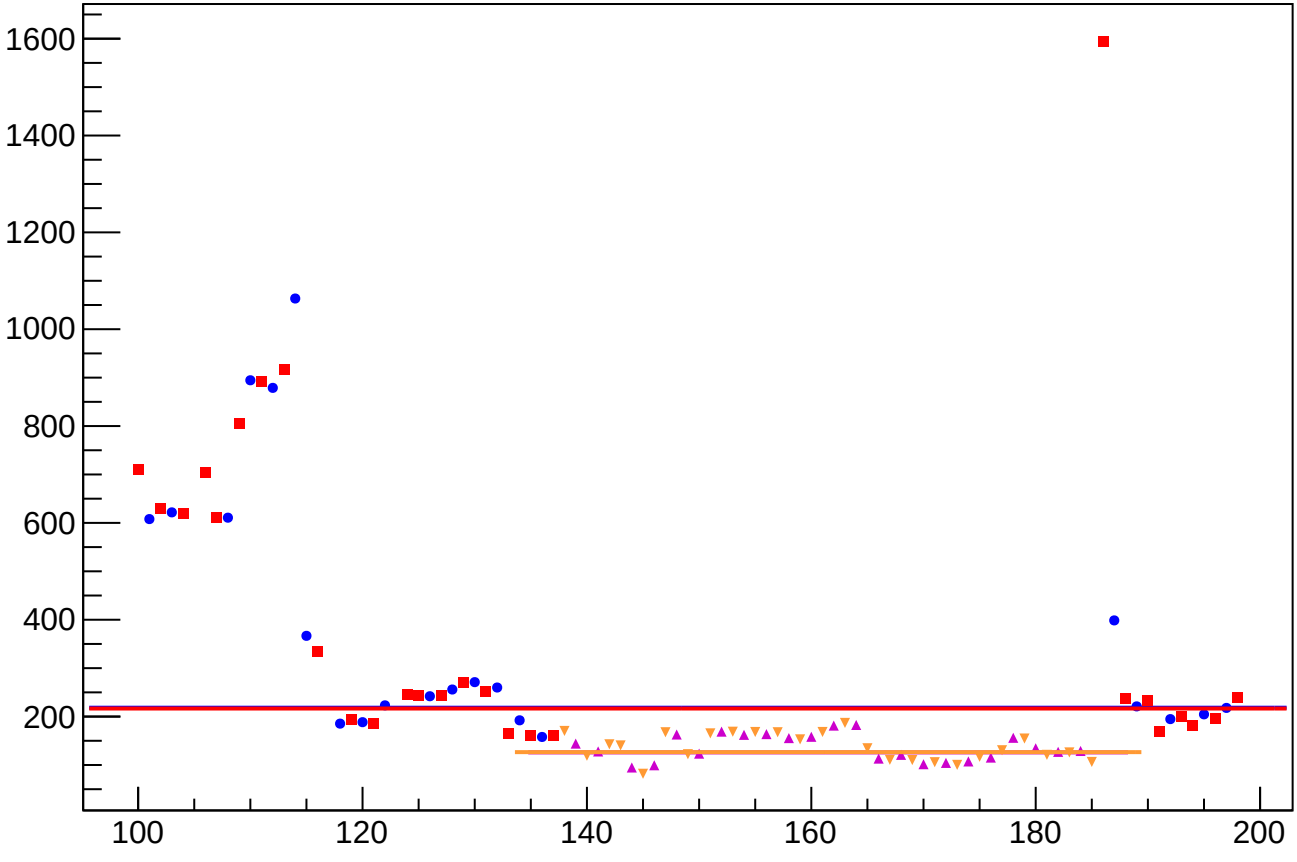
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -96.023+/-27.384 χ^2/NDF: 54.1/45

All: -68.880+/-19.411 χ^2/NDF: 111.4/95

- sign -41.464+/-27.521 χ^2/NDF: 55.3/49

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 218.312+/-0.051 χ^2/NDF: 3087116.0/20

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 216.633+/-0.047 χ^2/NDF: 4356886.6/26

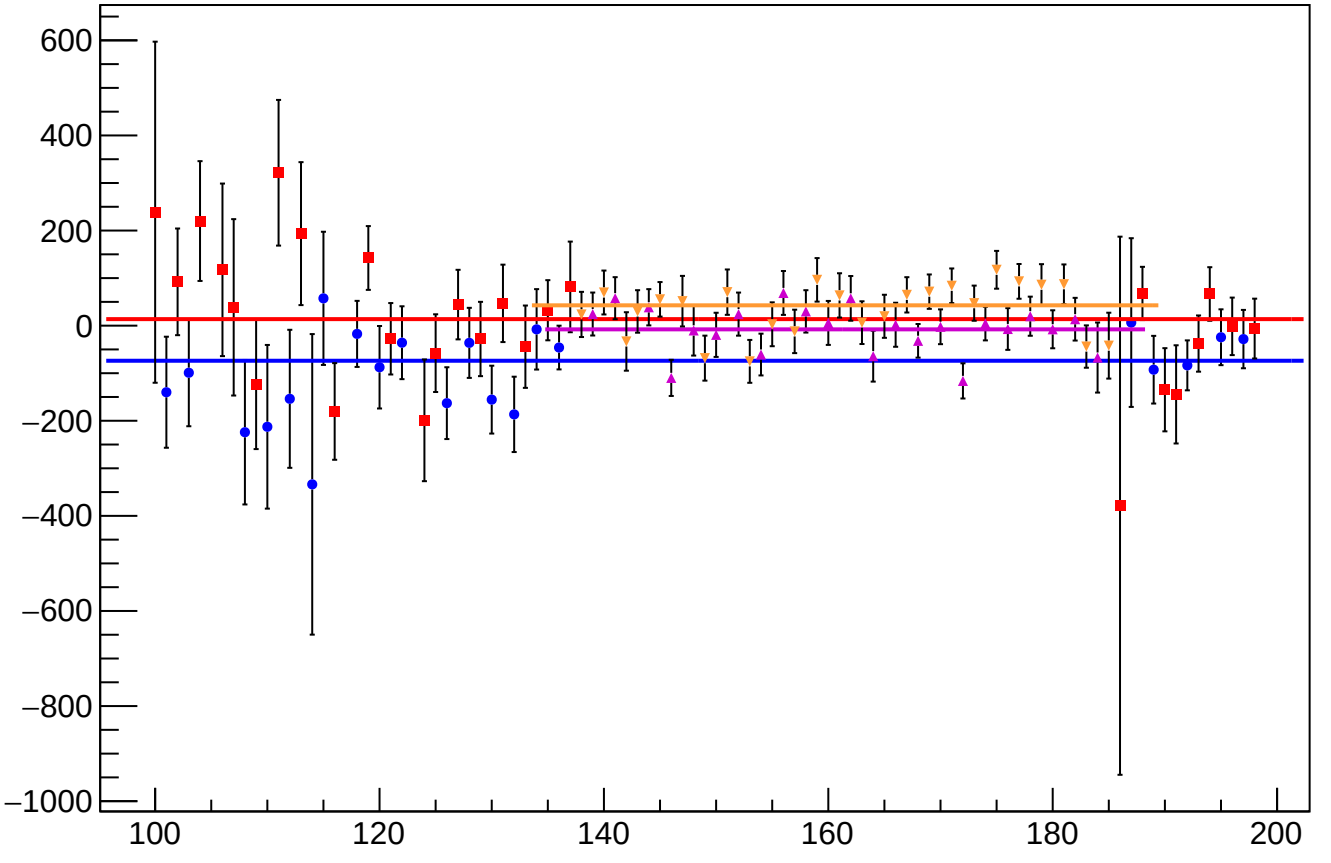
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 139.590+/-0.019 χ^2/NDF: 7580816.3/45

All: 140.444+/-0.014 χ^2/NDF: 16394292.7/95

- sign 141.307+/-0.019 χ^2/NDF: 8809565.3/49

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -73.802+/-17.345 χ^2/NDF: 12.3/20

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 13.737+/-16.379 χ^2/NDF: 31.7/26

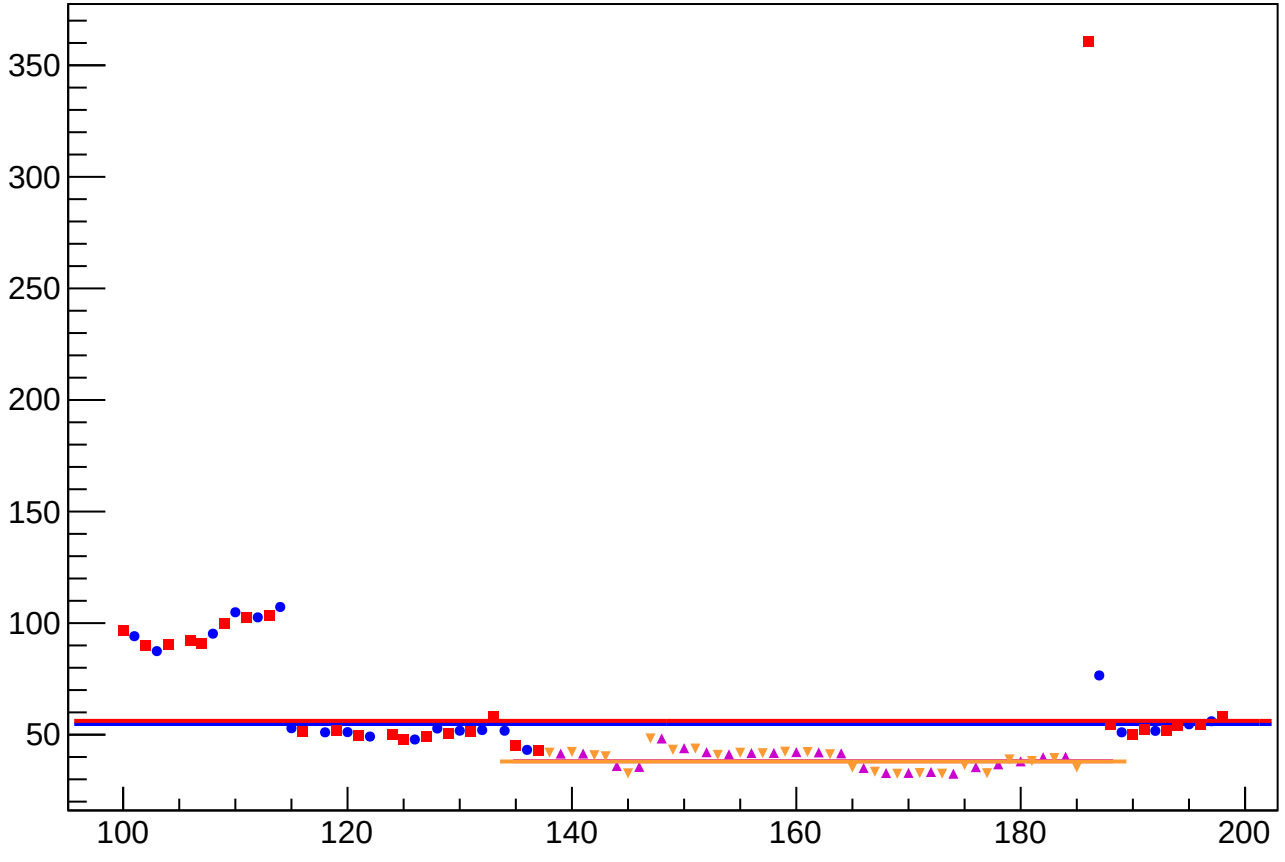
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 19.343+/-7.775 χ^2/NDF: 83.2/45

All: 8.398+/-5.531 χ^2/NDF: 150.8/95

- sign -2.815+/-7.870 χ^2/NDF: 63.6/49

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.795+/-0.012 χ^2/NDF: 1196511.4/20

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

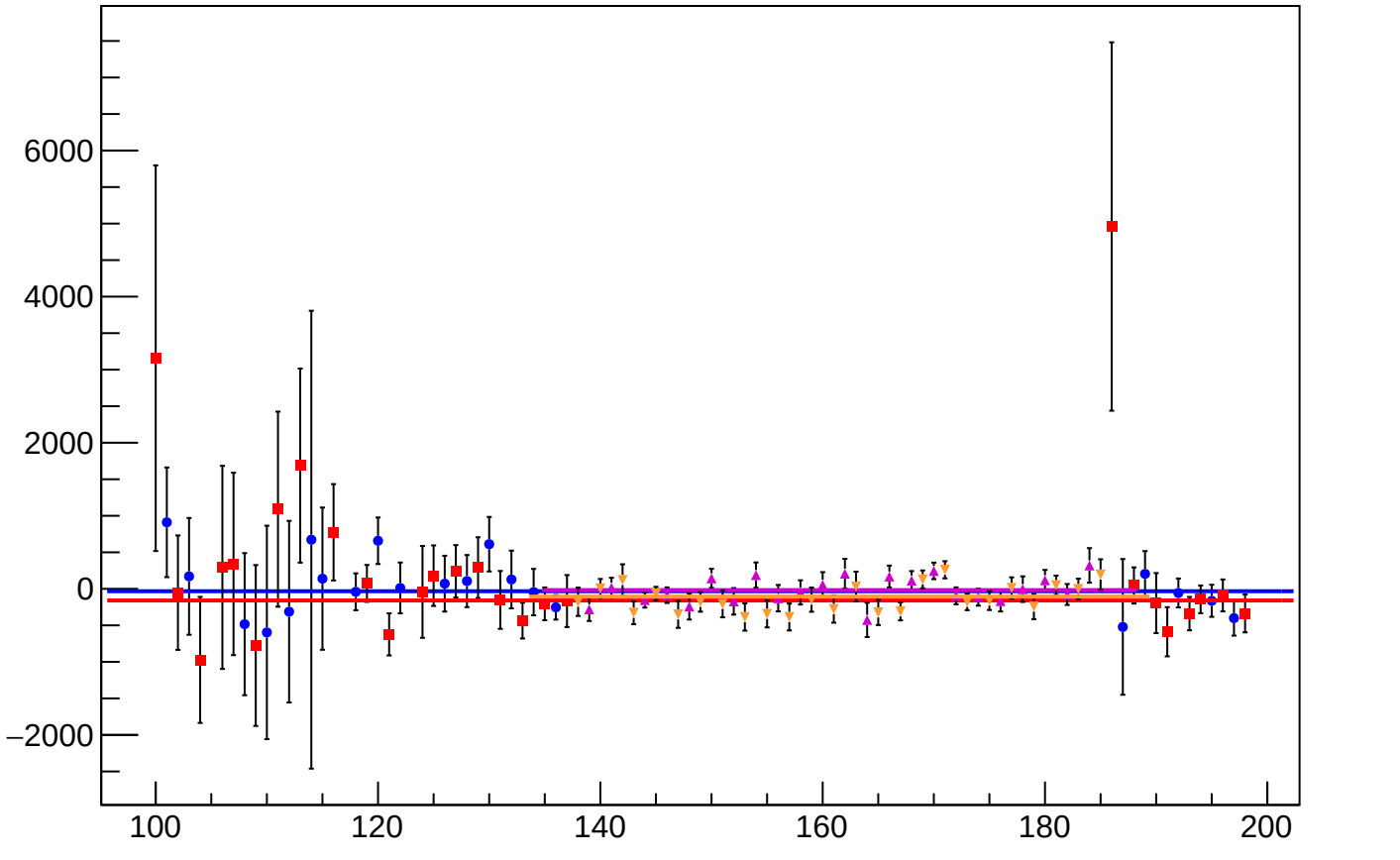
Right Out: 56.194+/-0.012 χ^2/NDF: 1891996.3/26

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.367+/-0.005 χ^2/NDF: 3210368.6/45

All: 41.829+/-0.004 χ^2/NDF: 7415517.6/95

- sign 42.303+/-0.006 χ^2/NDF: 4190821.6/49



Right In: -32.691+/-72.669 χ^2/NDF: 15.6/20

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

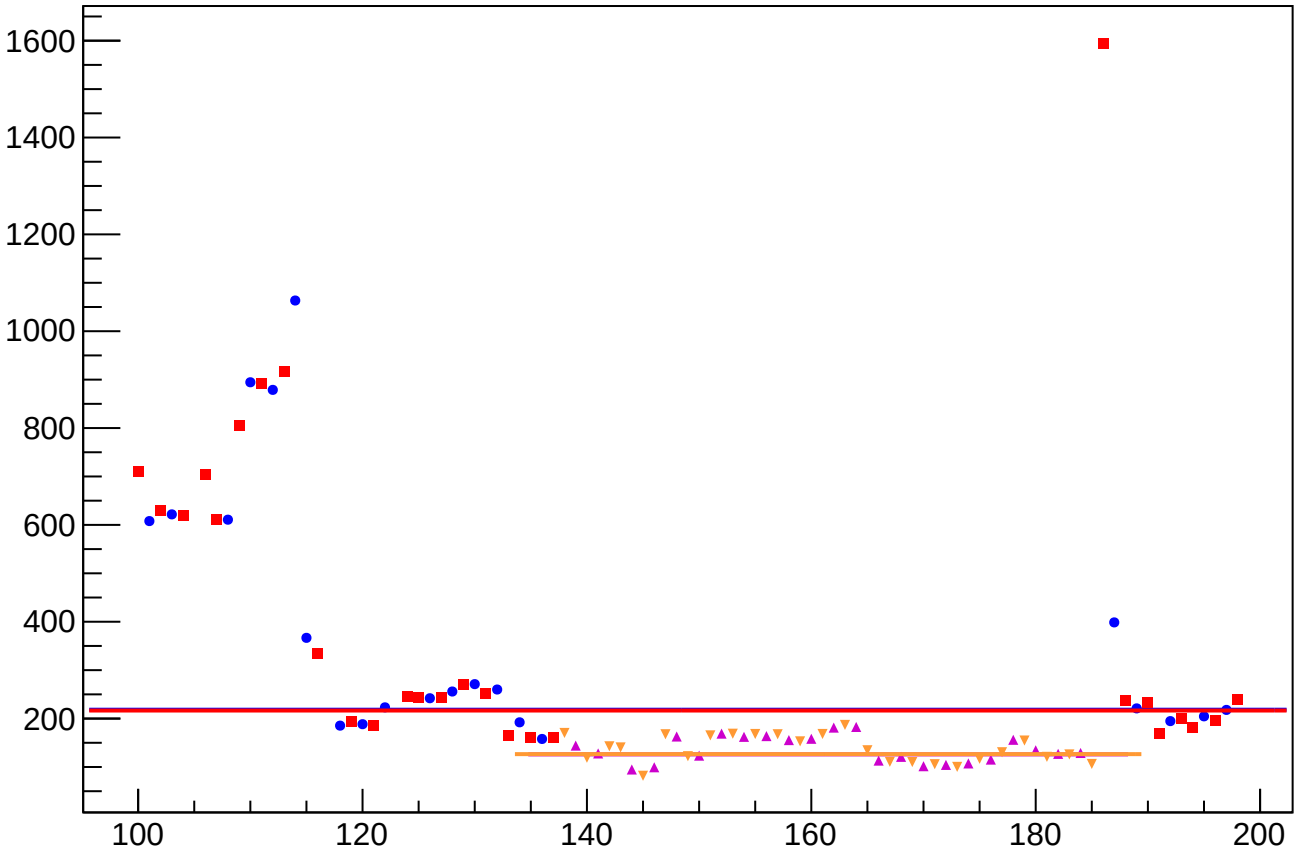
Right Out: -159.412+/-66.991 χ^2/NDF: 23.4/26

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -96.023+/-27.384 χ^2/NDF: 54.1/45

All: -68.880+/-19.411 χ^2/NDF: 111.4/95

- sign -41.464+/-27.521 χ^2/NDF: 55.3/49



Right In: 218.312+/-0.051 χ^2/NDF: 3087116.0/20

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 216.633+/-0.047 χ^2/NDF: 4356886.6/26

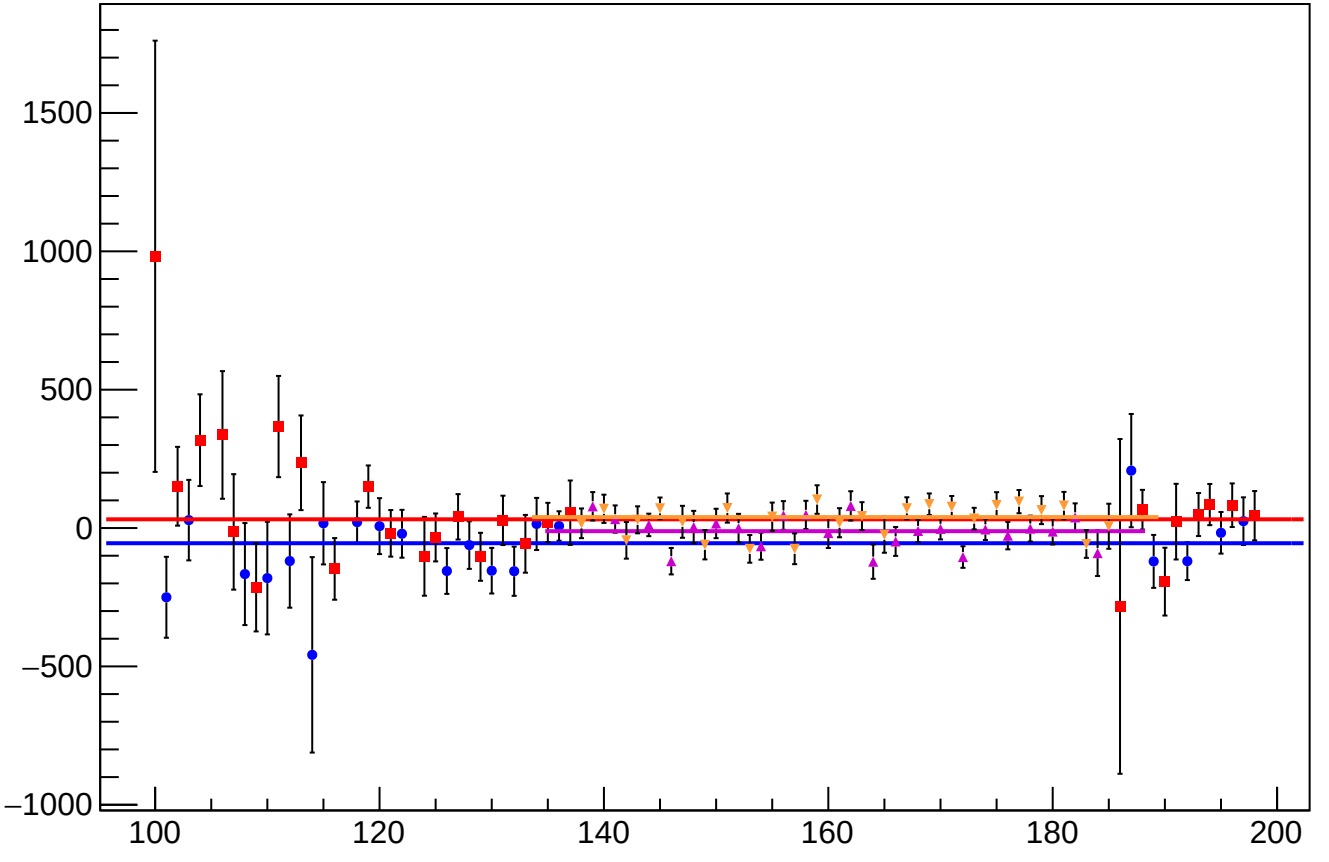
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 139.590+/-0.019 χ^2/NDF: 7580816.3/45

All: 140.444+/-0.014 χ^2/NDF: 16394292.7/95

- sign 141.307+/-0.019 χ^2/NDF: 8809565.3/49

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -54.847+/-20.731 χ^2/NDF: 16.4/20

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 31.559+/-19.882 χ^2/NDF: 29.1/26

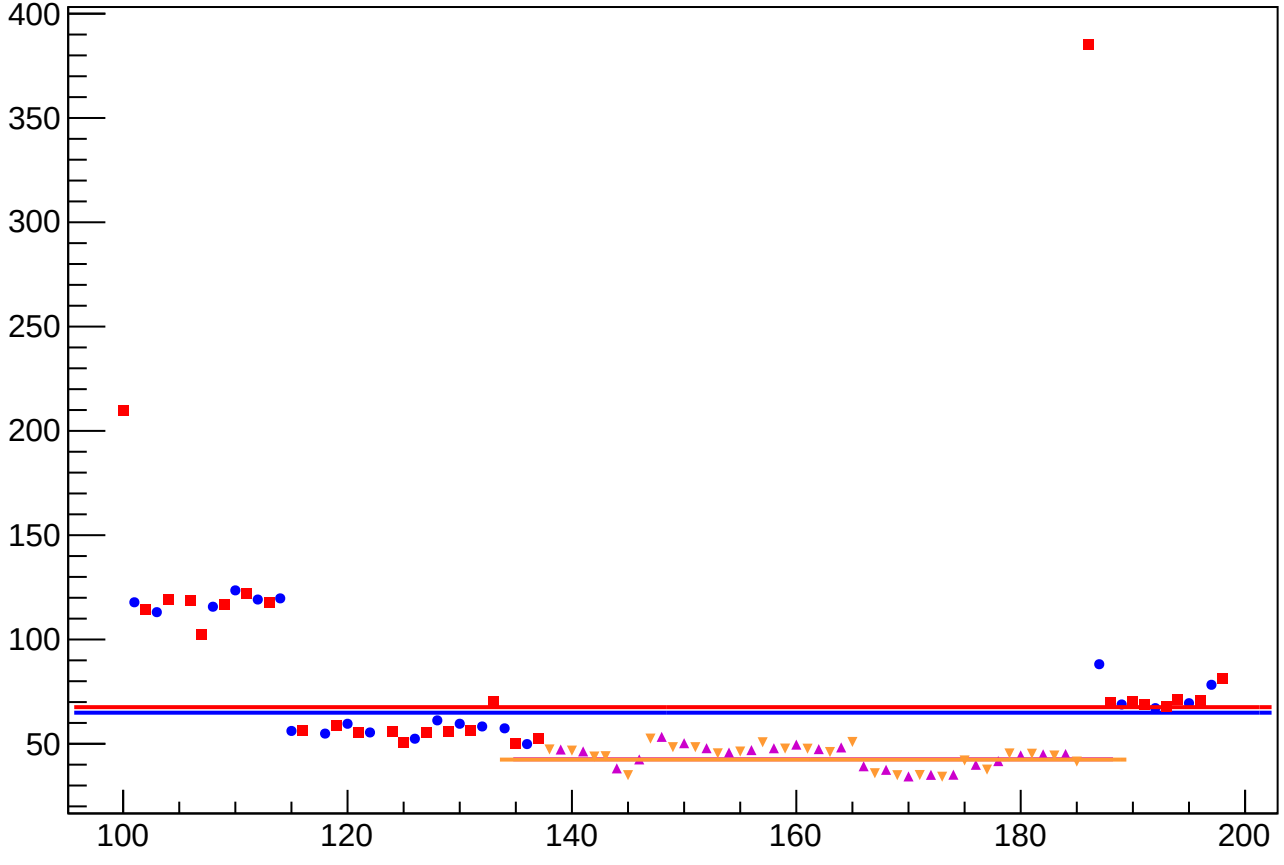
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.477+/-8.819 χ^2/NDF: 63.0/45

All: 10.204+/-6.295 χ^2/NDF: 127.6/95

- sign -2.545+/-8.988 χ^2/NDF: 60.7/49

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 64.911+/-0.015 χ^2/NDF: 1454838.9/20

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 67.564+/-0.014 χ^2/NDF: 2228328.8/26

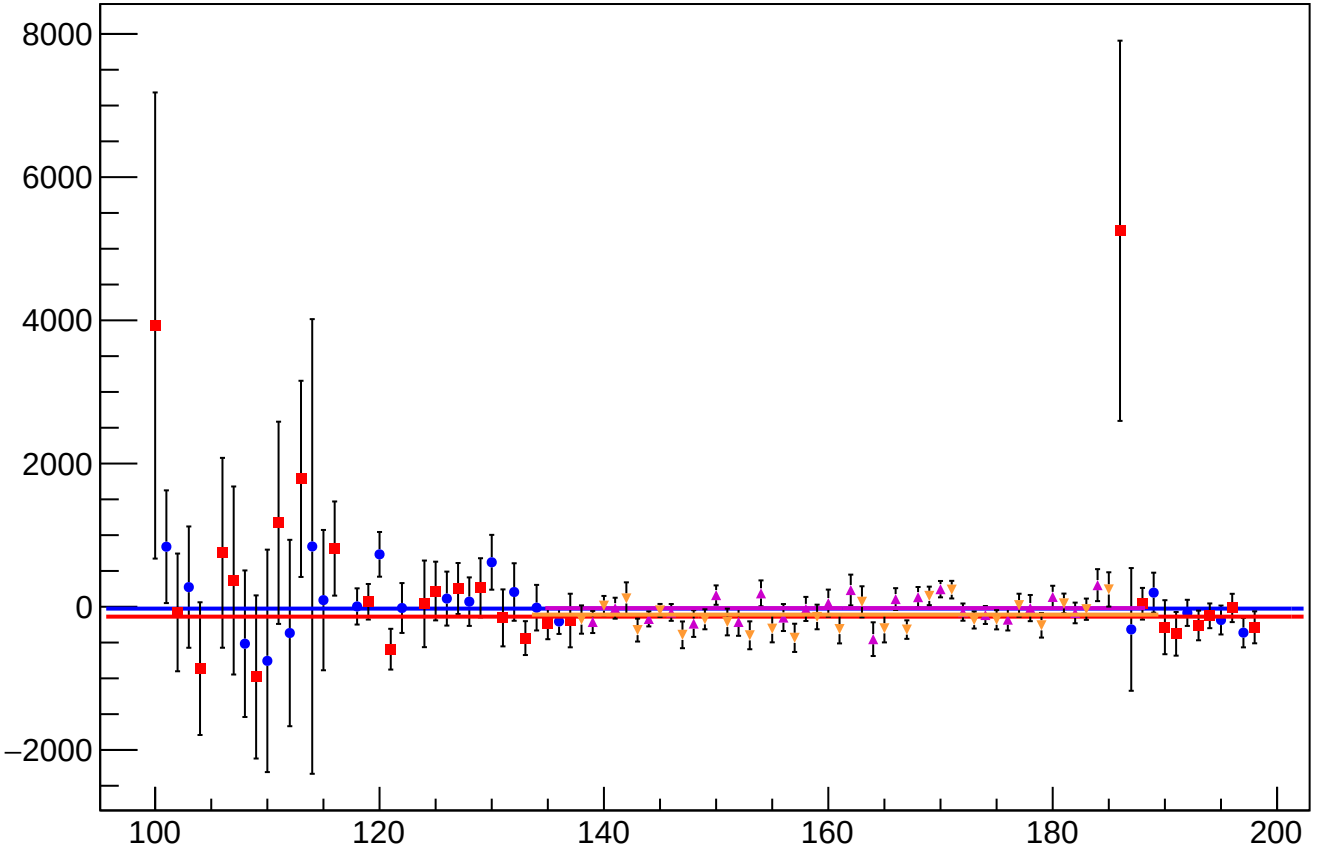
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 46.495+/-0.006 χ^2/NDF: 4080499.5/45

All: 47.079+/-0.004 χ^2/NDF: 9429426.7/95

- sign 47.685+/-0.006 χ^2/NDF: 5331067.4/49

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -25.856+/-69.928 χ^2/NDF: 16.5/20

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -138.057+/-62.932 χ^2/NDF: 23.1/26

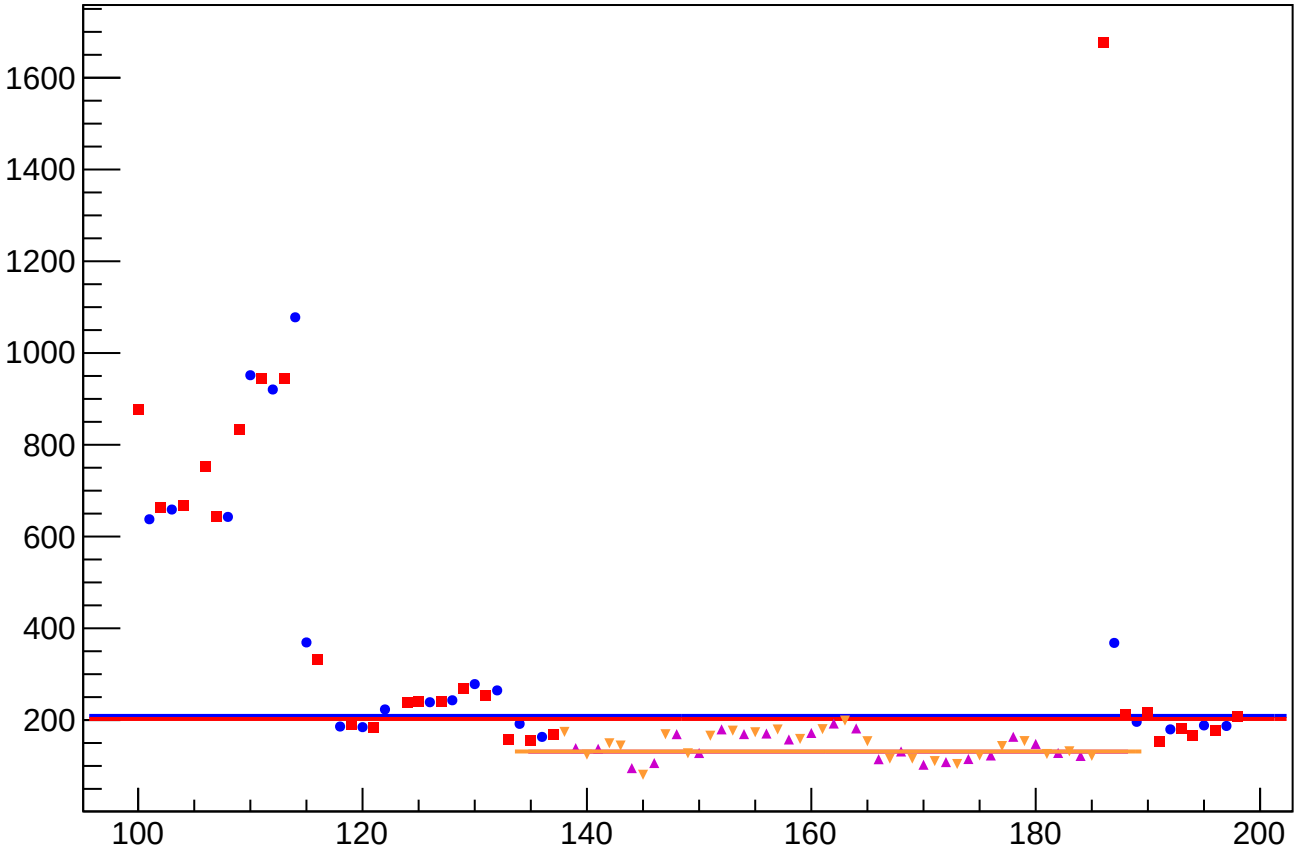
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -96.250+/-28.155 χ^2/NDF: 54.0/45

All: -69.469+/-19.908 χ^2/NDF: 108.9/95

- sign -42.694+/-28.152 χ^2/NDF: 53.2/49

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 209.035+/-0.049 χ^2/NDF: 3256141.7/20

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 202.393+/-0.044 χ^2/NDF: 4754892.1/26

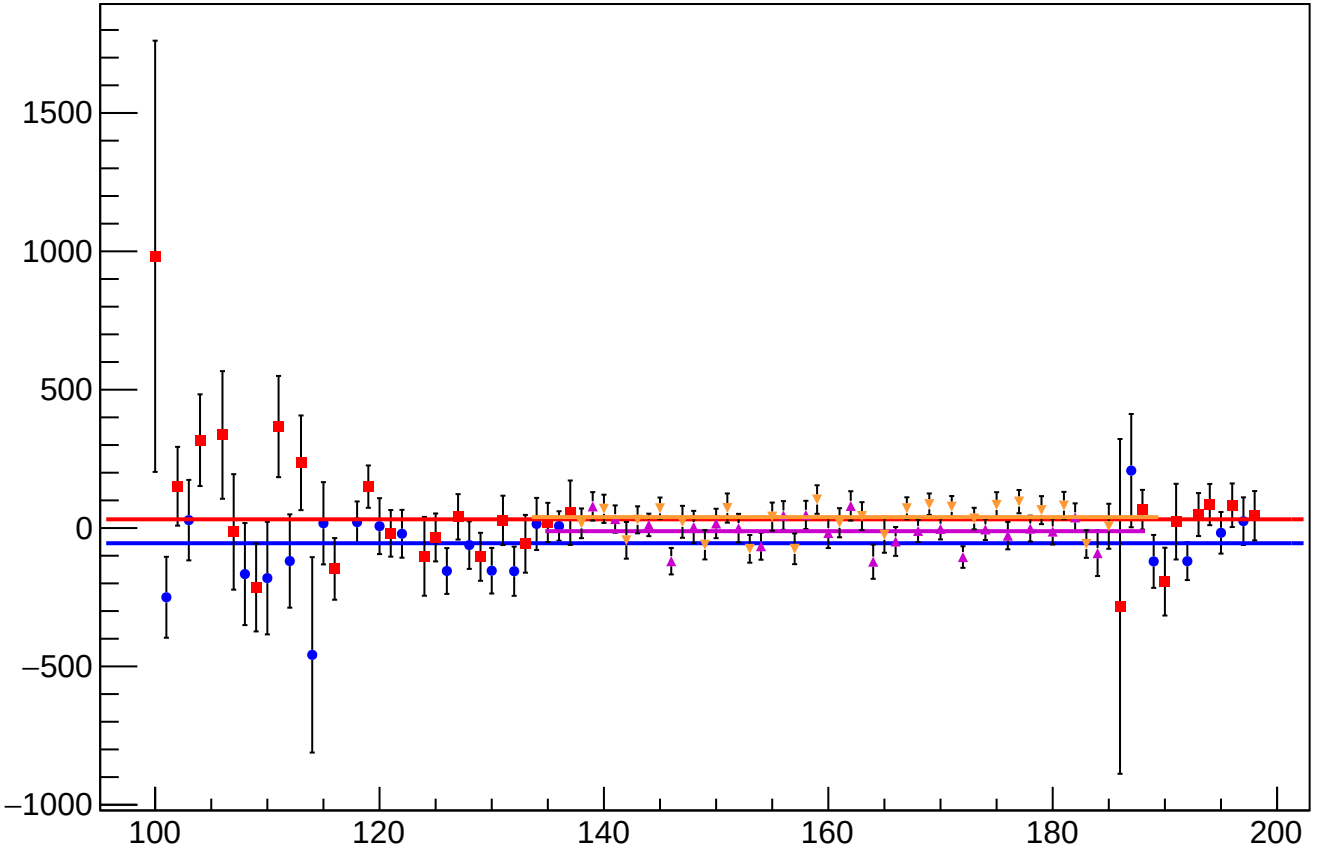
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 144.082+/-0.020 χ^2/NDF: 7218528.3/45

All: 144.714+/-0.014 χ^2/NDF: 15497830.8/95

- sign 145.345+/-0.020 χ^2/NDF: 8277290.0/49

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -54.848+/-20.731 χ^2/NDF: 16.4/20

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 31.560+/-19.882 χ^2/NDF: 29.1/26

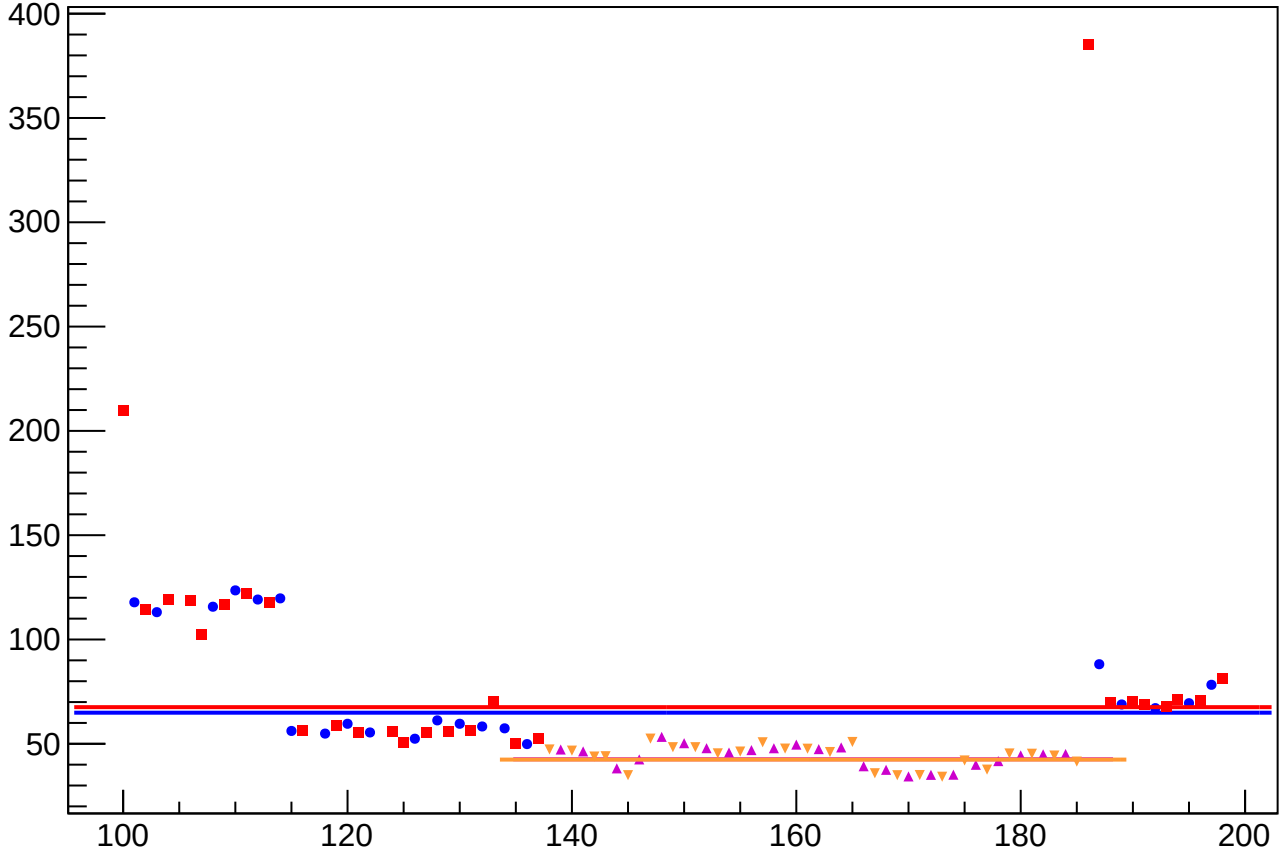
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.478+/-8.819 χ^2/NDF: 63.0/45

All: 10.204+/-6.295 χ^2/NDF: 127.6/95

- sign -2.545+/-8.989 χ^2/NDF: 60.7/49

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 64.911+/-0.015 χ^2/NDF: 1454840.2/20

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 67.564+/-0.014 χ^2/NDF: 2228326.2/26

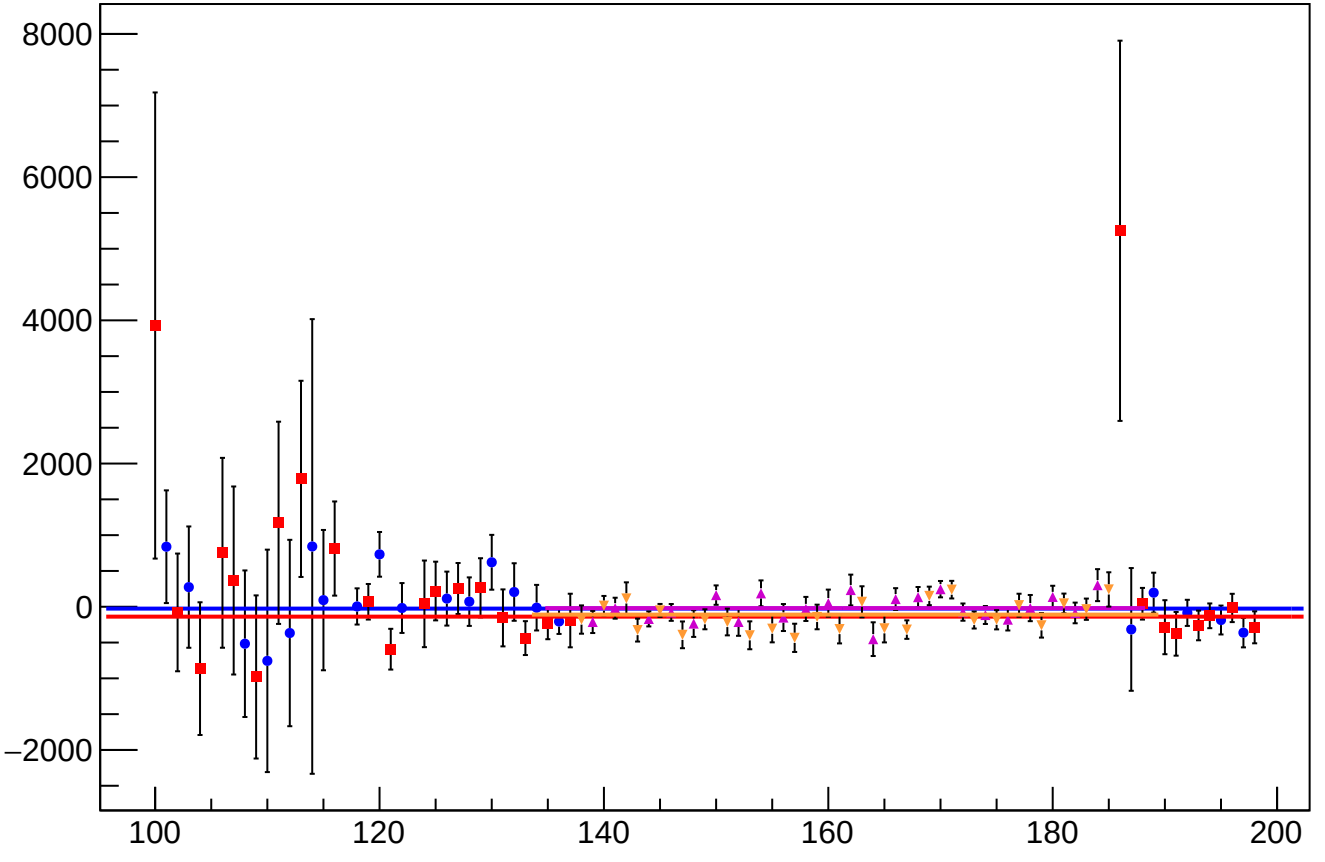
Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 46.495+/-0.006 χ^2/NDF: 4080494.8/45

All: 47.079+/-0.004 χ^2/NDF: 9429416.1/95

- sign 47.686+/-0.006 χ^2/NDF: 5331058.6/49

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug



Right In: -25.855+/-69.928 χ^2/NDF: 16.5/20

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

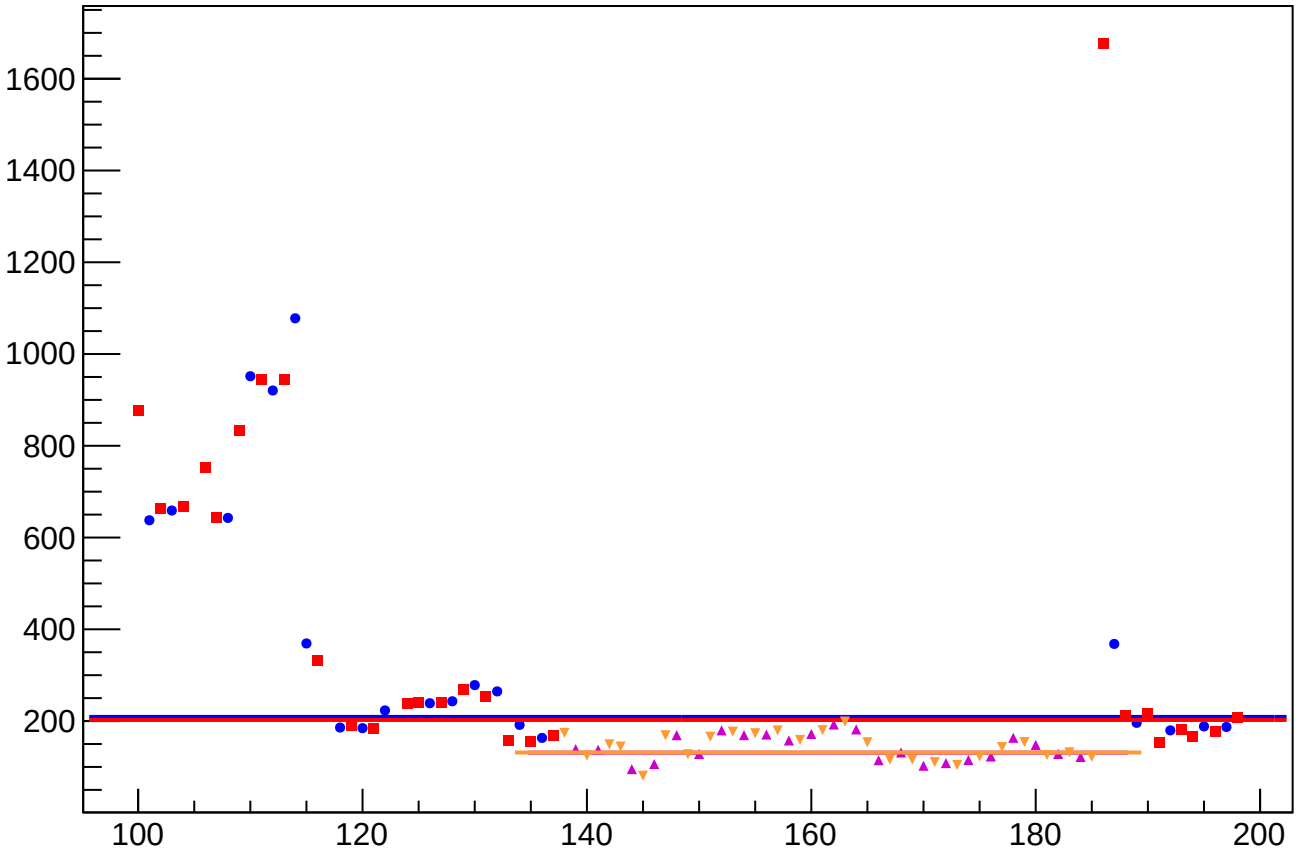
Right Out: -138.056+/-62.932 χ^2/NDF: 23.1/26

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -96.249+/-28.155 χ^2/NDF: 54.0/45

All: -69.468+/-19.908 χ^2/NDF: 108.9/95

- sign -42.694+/-28.152 χ^2/NDF: 53.2/49



Right In: 209.035+/-0.049 χ^2/NDF: 3256137.1/20

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 202.392+/-0.044 χ^2/NDF: 4754891.9/26

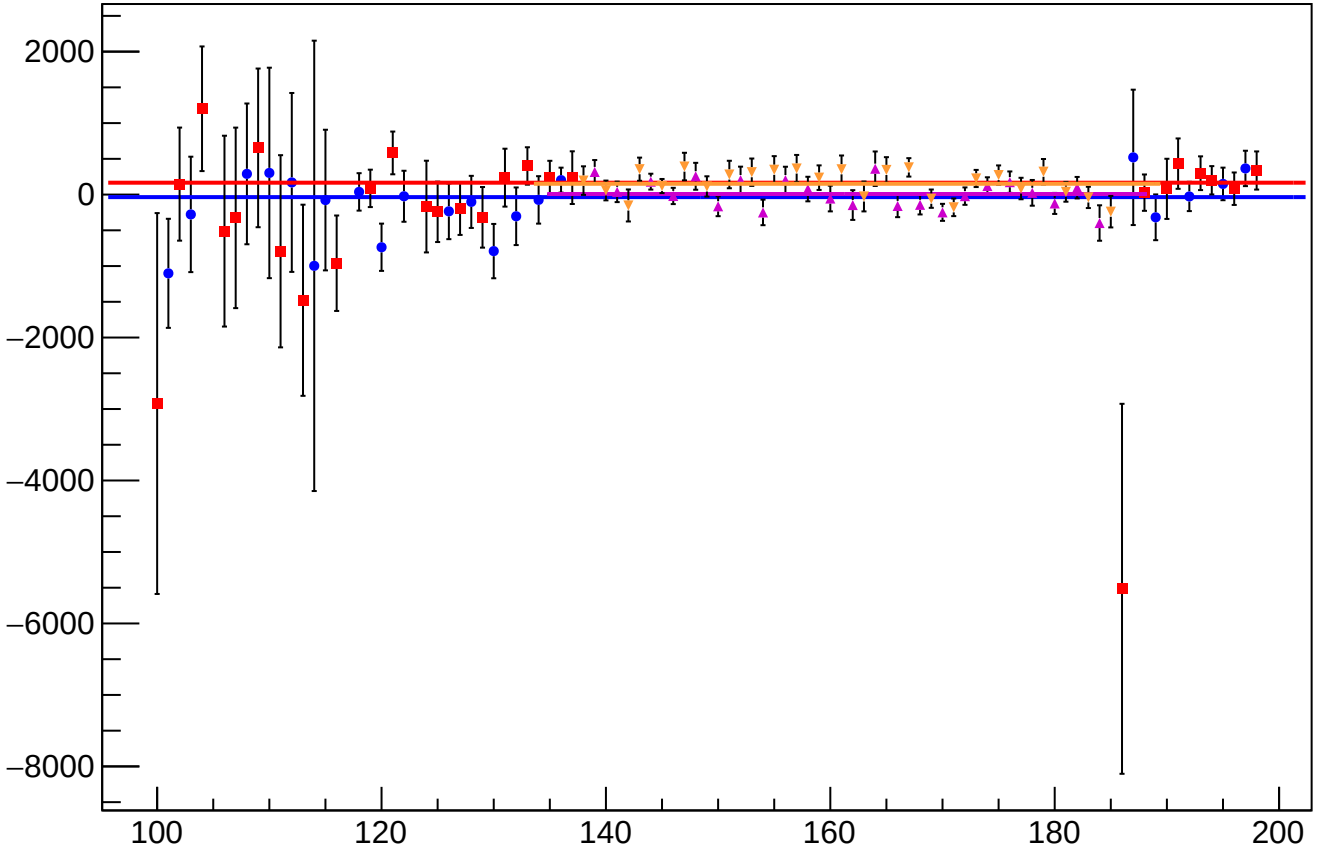
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 144.082+/-0.020 χ^2/NDF: 7218481.1/45

All: 144.714+/-0.014 χ^2/NDF: 15497754.9/95

- sign 145.345+/-0.020 χ^2/NDF: 8277261.4/49

asym_sam_37_26_dd_mean vs Slug



Right In: -35.521+/-75.046 χ^2/NDF: 17.9/20

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 166.208+/-69.361 χ^2/NDF: 21.3/26

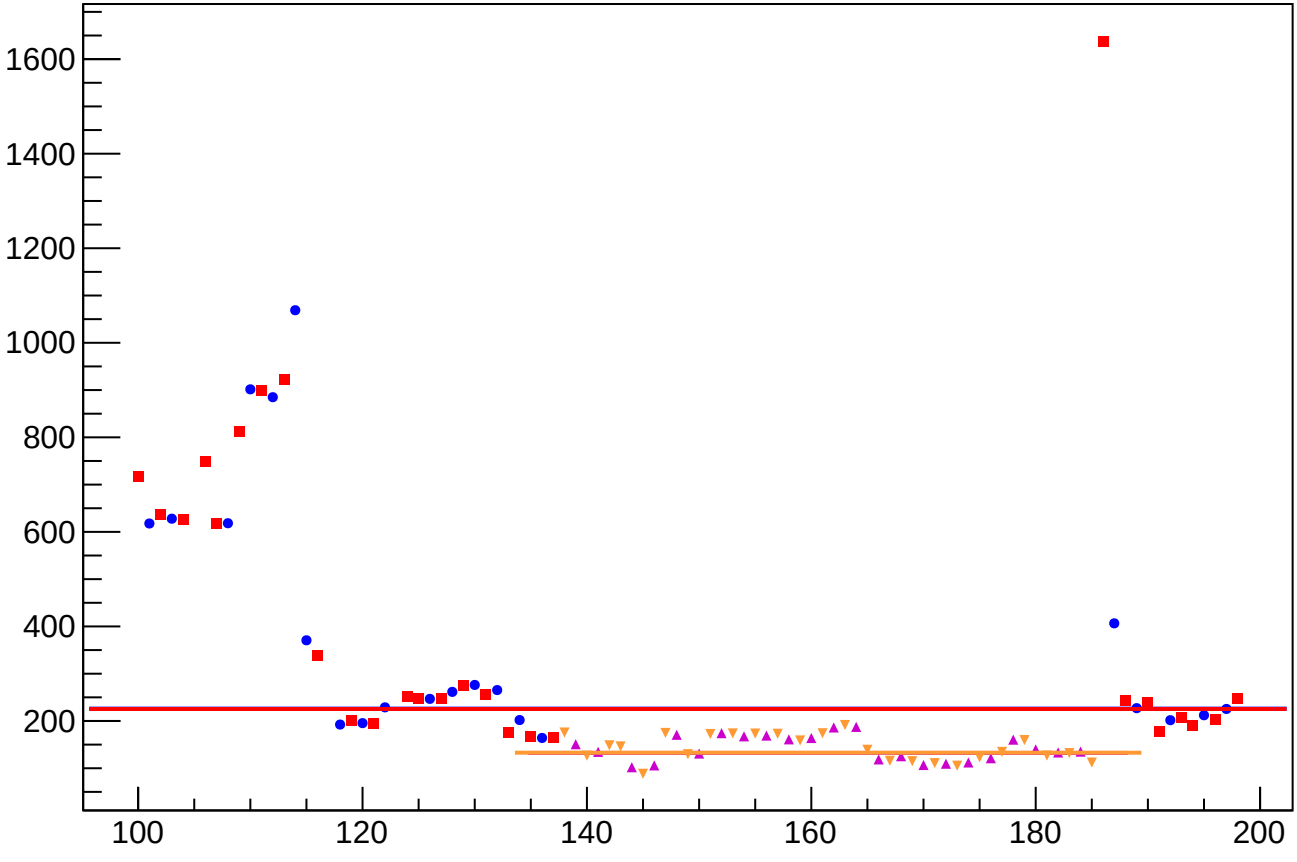
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 123.977+/-28.614 χ^2/NDF: 56.2/45

All: 79.821+/-20.289 χ^2/NDF: 116.1/95

- sign 35.175+/-28.772 χ^2/NDF: 55.1/49

asym_sam_37_26_dd_rms vs Slug



Right In: 226.063+/-0.053 χ^2/NDF: 3001868.2/20

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

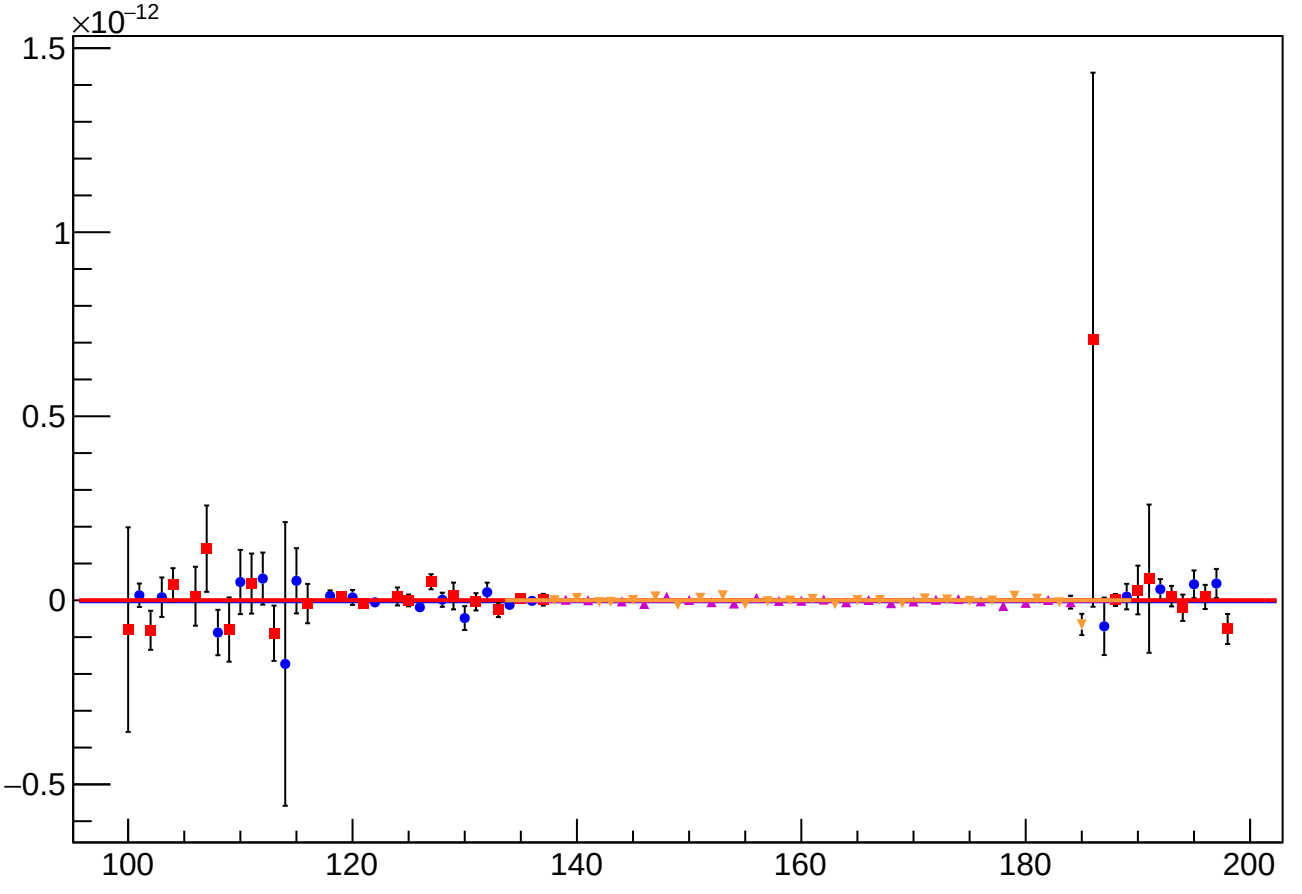
Right Out: 225.346+/-0.049 χ^2/NDF: 4296841.1/26

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 146.423+/-0.020 χ^2/NDF: 7229687.2/45

All: 147.379+/-0.014 χ^2/NDF: 15785917.0/95

- sign 148.345+/-0.020 χ^2/NDF: 8551739.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

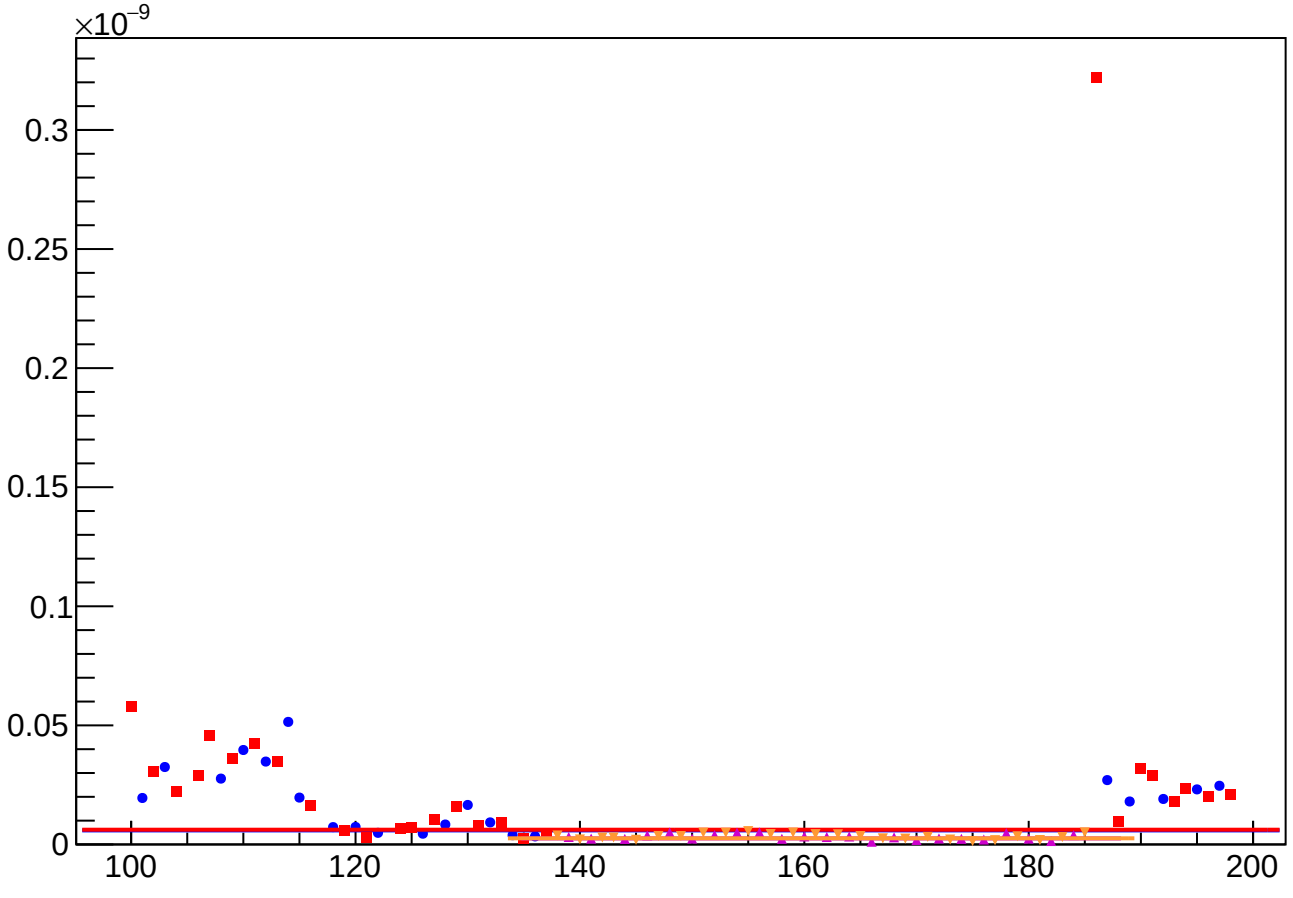
Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/26

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.6/45

All: -0.000+/-0.000 χ^2/NDF: 89.0/95

- sign -0.000+/-0.000 χ^2/NDF: 38.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 4420858.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5628477.2/26

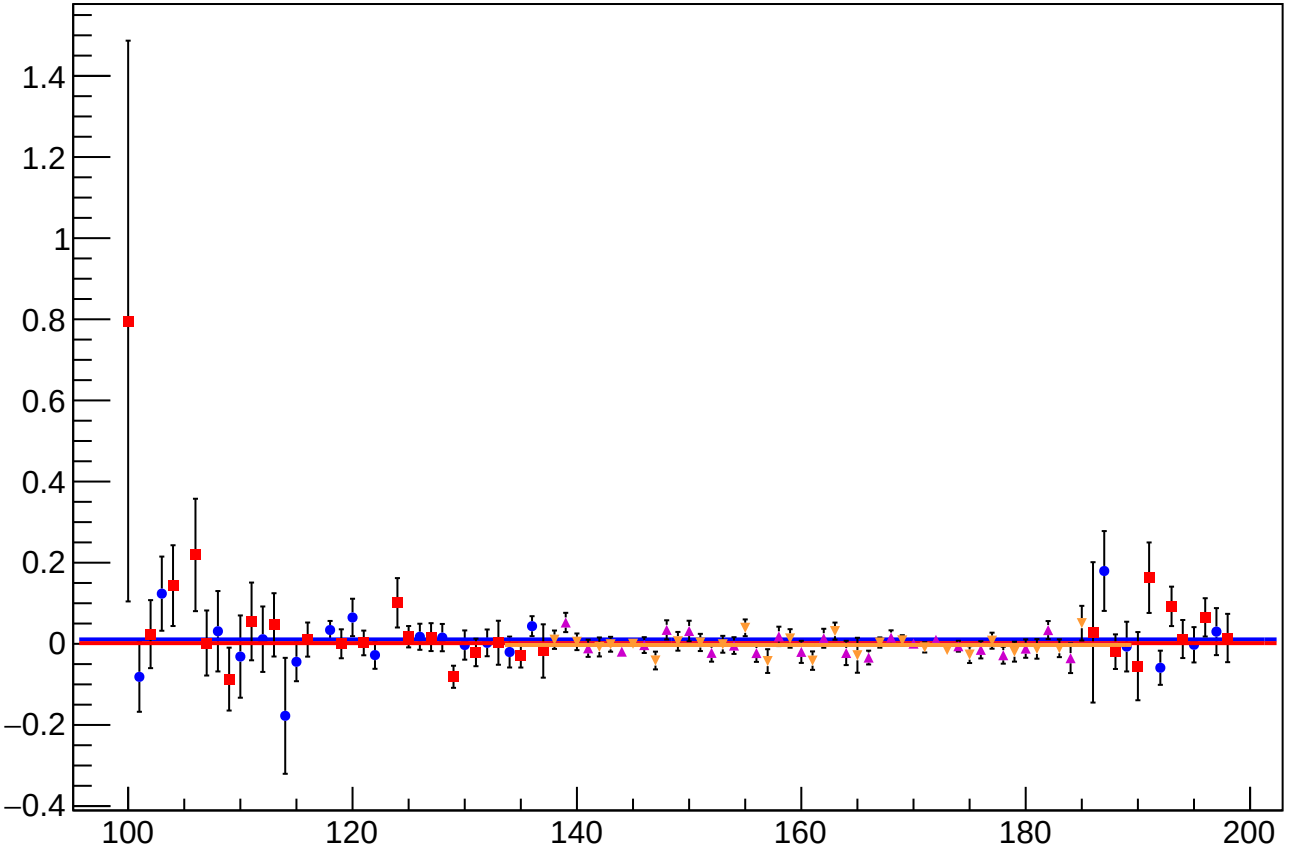
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8186617.0/45

All: 0.000+/-0.000 χ^2/NDF: 17124002.3/95

- sign 0.000+/-0.000 χ^2/NDF: 8936426.1/49

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.009 χ^2/NDF: 31.6/26

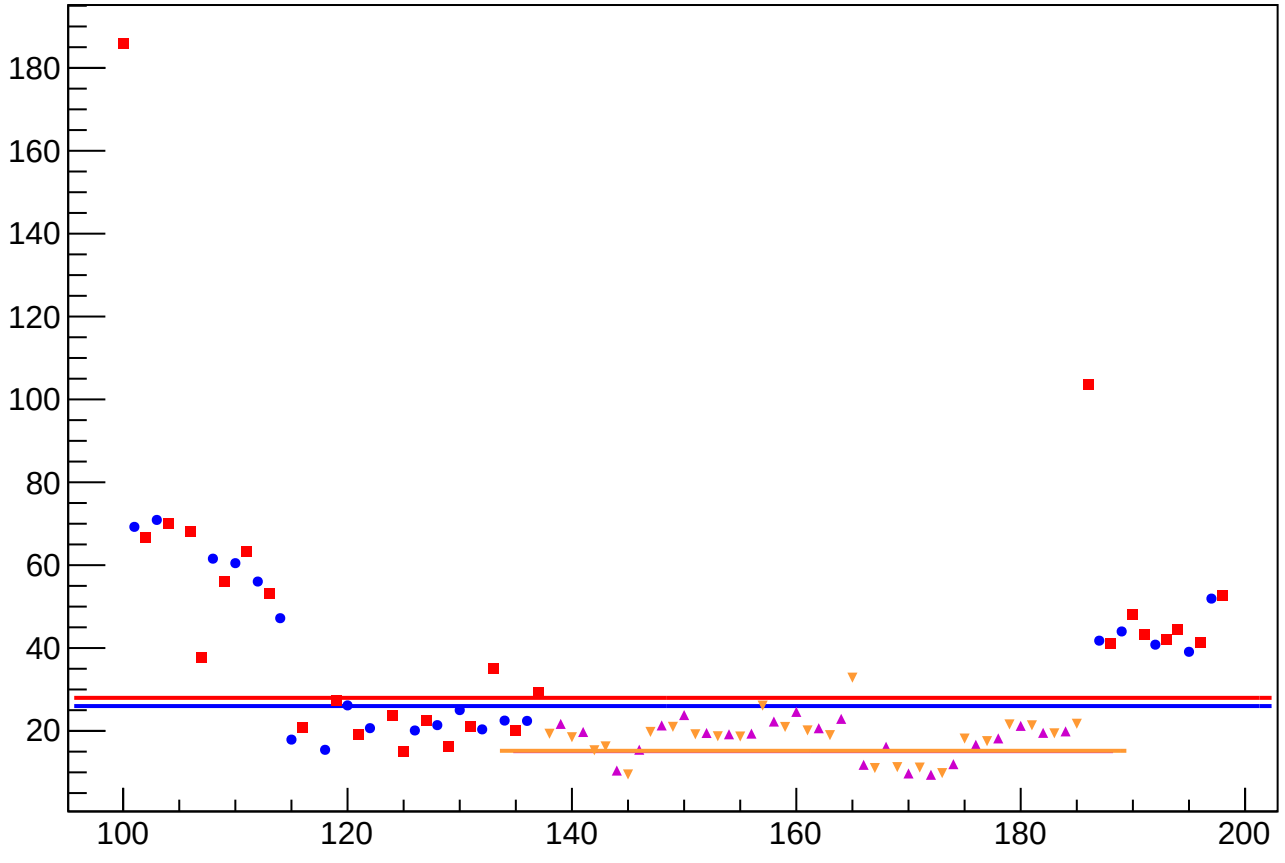
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.9/45

All: -0.001+/-0.002 χ^2/NDF: 101.7/95

- sign -0.002+/-0.004 χ^2/NDF: 58.7/49

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.996+/-0.006 χ^2/NDF: 3627282.0/20

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

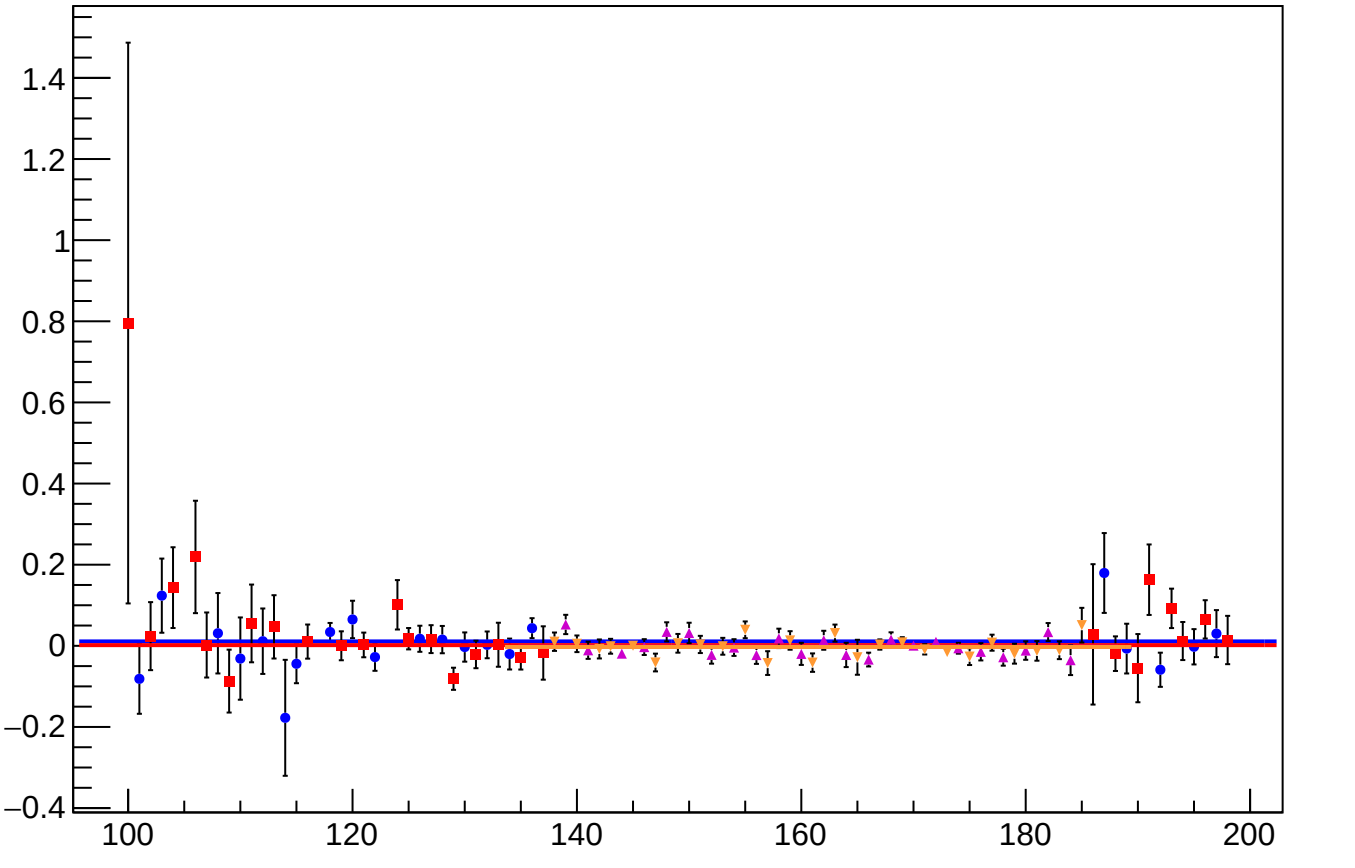
Right Out: 27.980+/-0.006 χ^2/NDF: 4905851.0/26

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 16.736+/-0.002 χ^2/NDF: 9482914.5/45

All: 16.905+/-0.002 χ^2/NDF: 21258115.9/95

\- sign 17.083+/-0.002 χ^2/NDF: 11765269.4/49



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.009 χ^2/NDF: 31.6/26

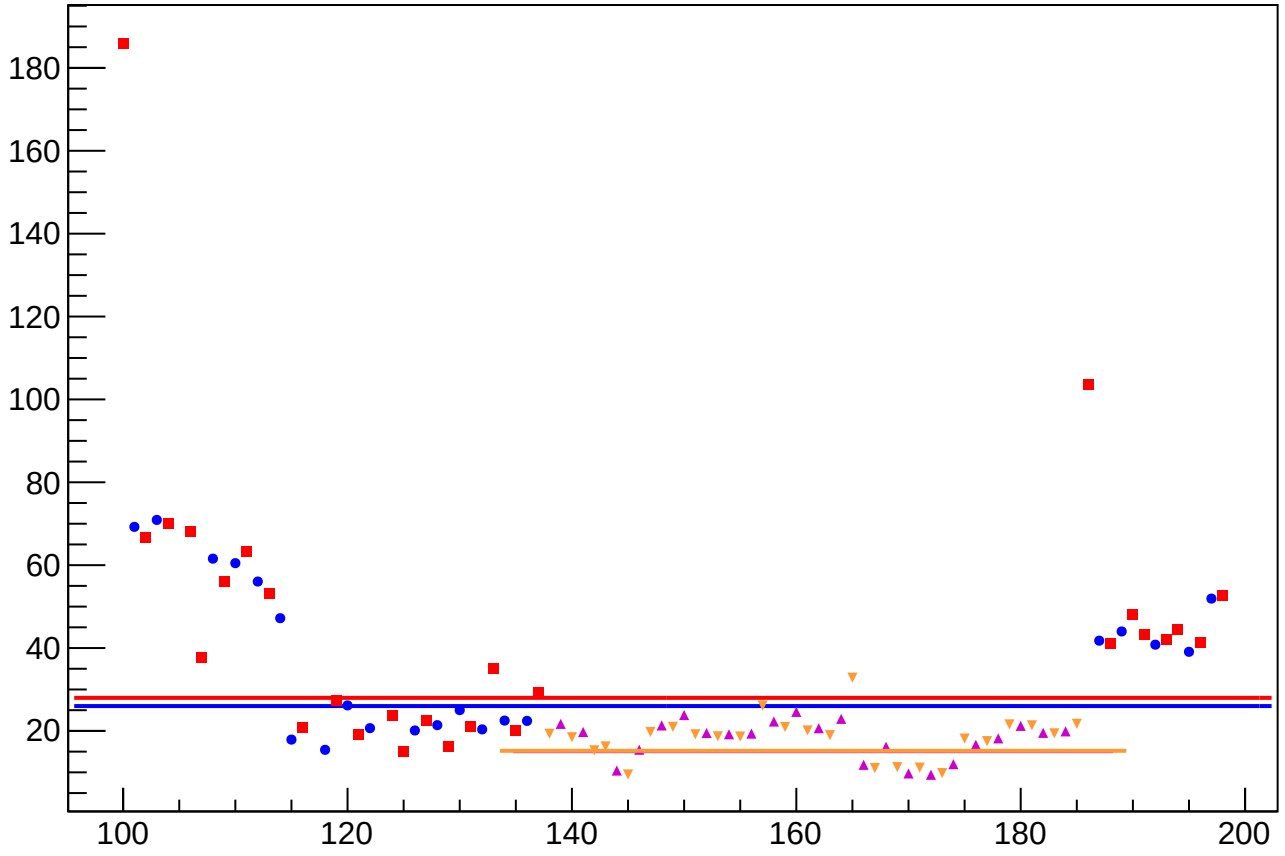
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.9/45

All: -0.001+/-0.002 χ^2/NDF: 101.7/95

- sign -0.002+/-0.004 χ^2/NDF: 58.7/49

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.996+/-0.006 χ^2/NDF: 3627282.0/20

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

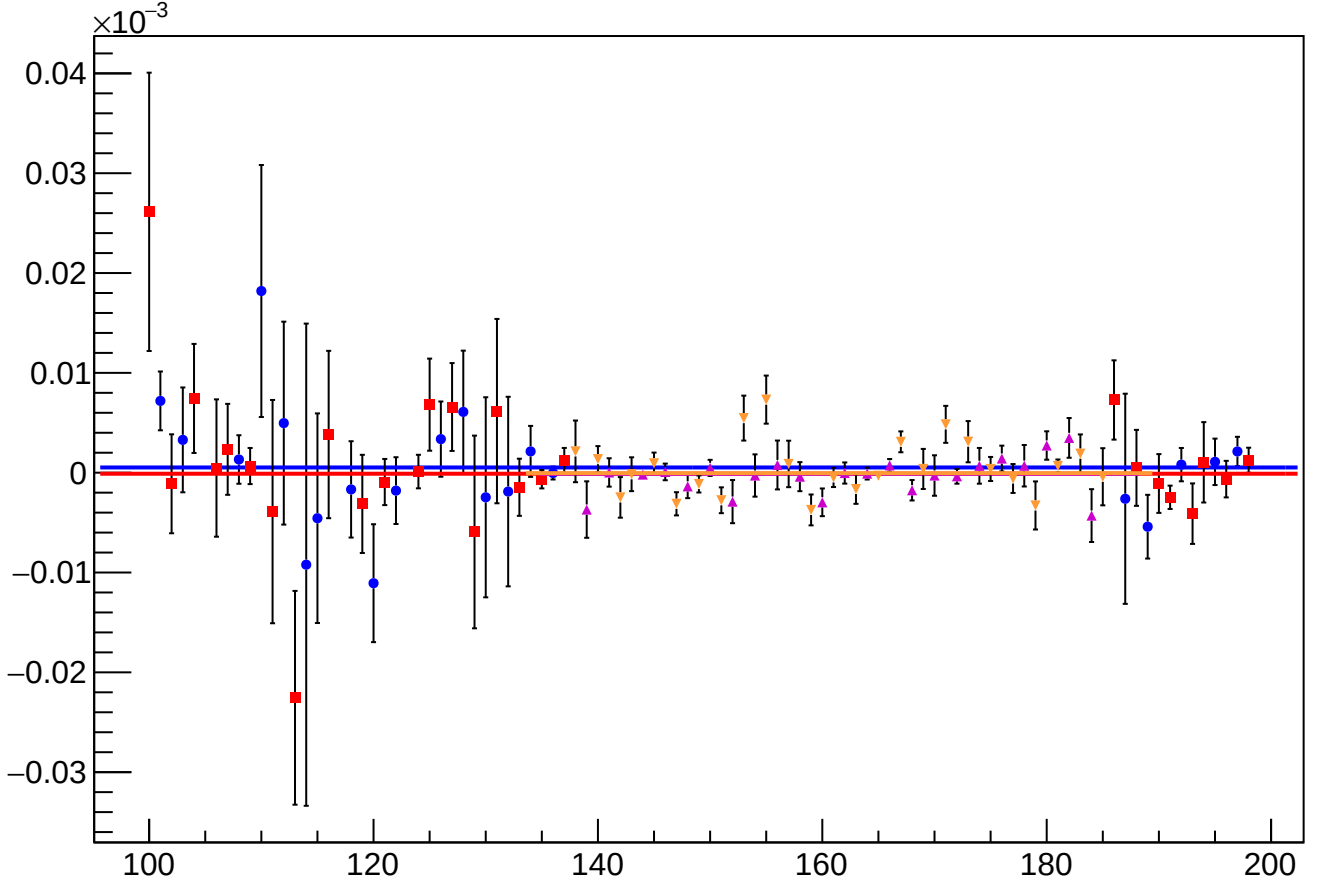
Right Out: 27.980+/-0.006 χ^2/NDF: 4905851.0/26

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 16.736+/-0.002 χ^2/NDF: 9482914.5/45

All: 16.905+/-0.002 χ^2/NDF: 21258115.9/95

\- sign 17.083+/-0.002 χ^2/NDF: 11765269.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

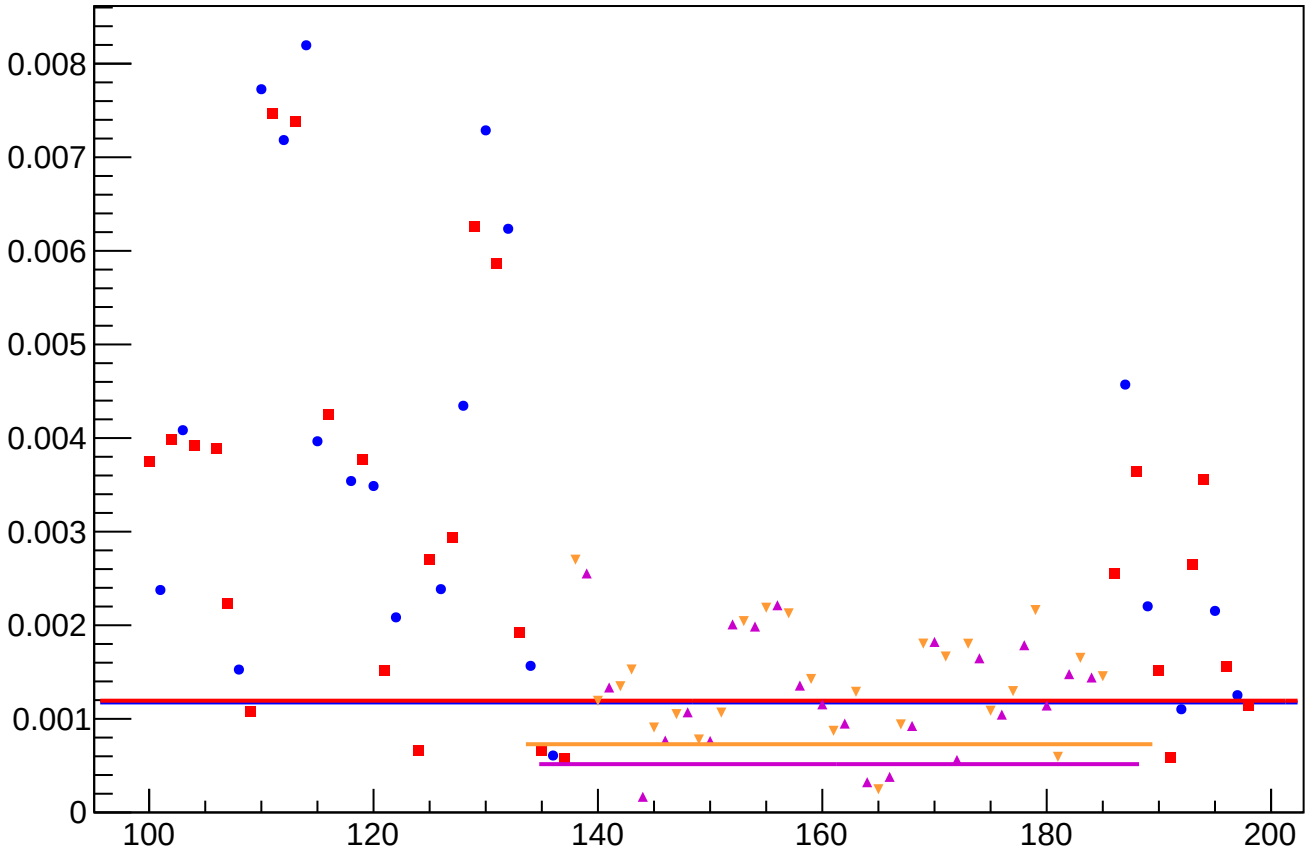
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/26

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 84.1/45

All: -0.000+/-0.000 χ^2/NDF: 139.0/95

- sign -0.000+/-0.000 χ^2/NDF: 54.4/49



Right In: 0.001+/-0.000 χ^2/NDF: 7889195.1/20

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

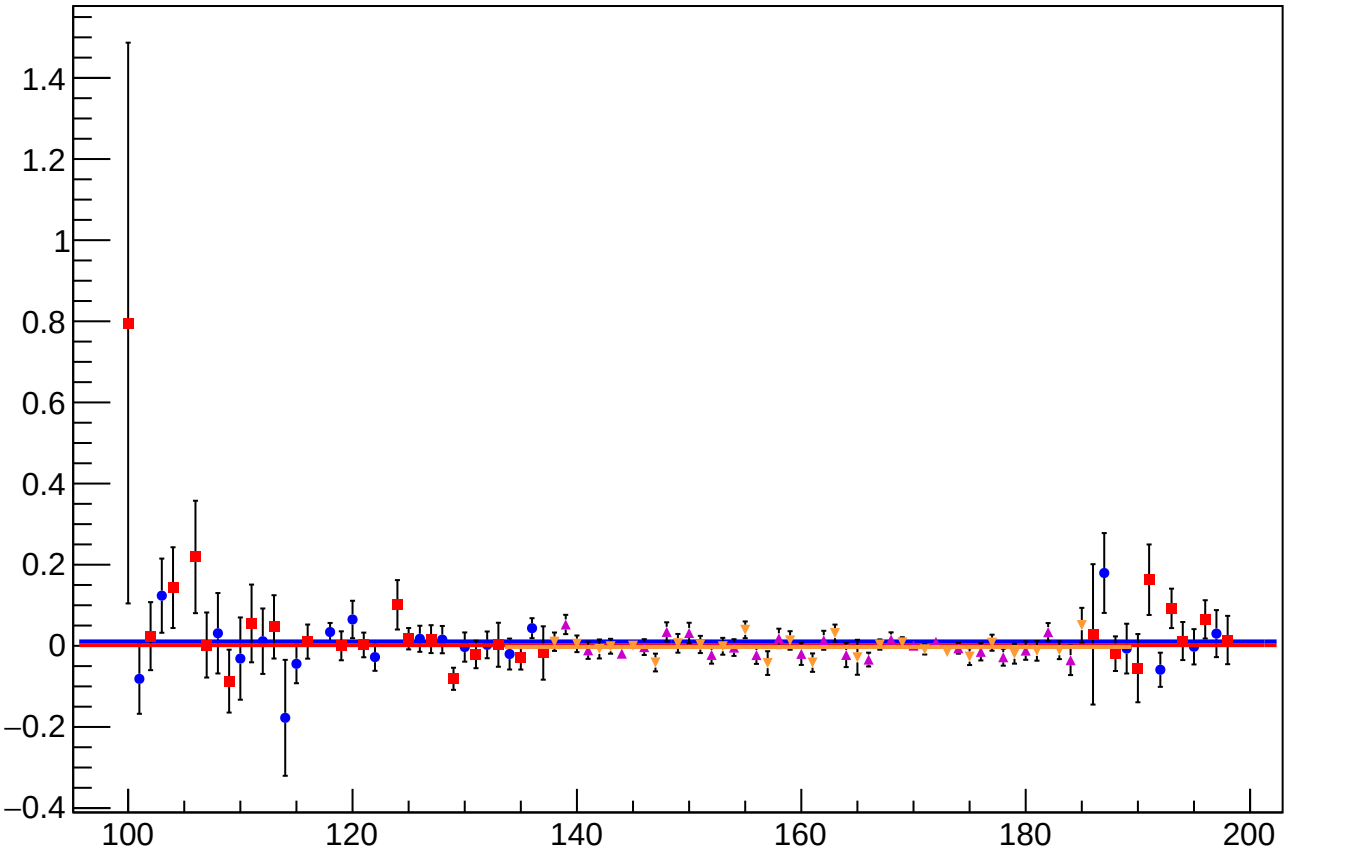
Right Out: 0.001+/-0.000 χ^2/NDF: 9686011.6/26

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 22450969.8/45

All: 0.001+/-0.000 χ^2/NDF: 52419549.2/95

- sign 0.001+/-0.000 χ^2/NDF: 28823402.5/49



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.009 χ^2/NDF: 31.6/26

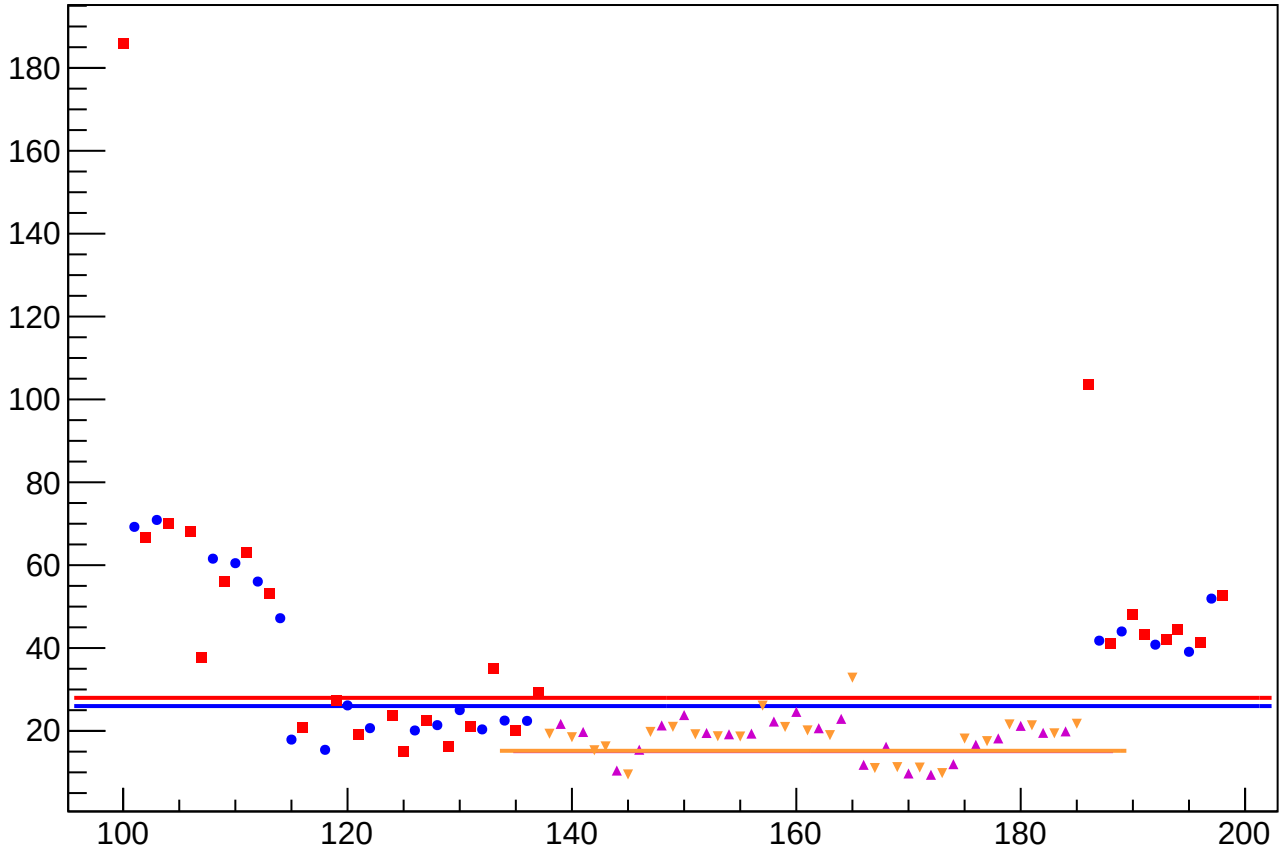
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.9/45

All: -0.001+/-0.002 χ^2/NDF: 101.7/95

- sign -0.002+/-0.004 χ^2/NDF: 58.7/49

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.995+/-0.006 χ^2/NDF: 3627546.8/20

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

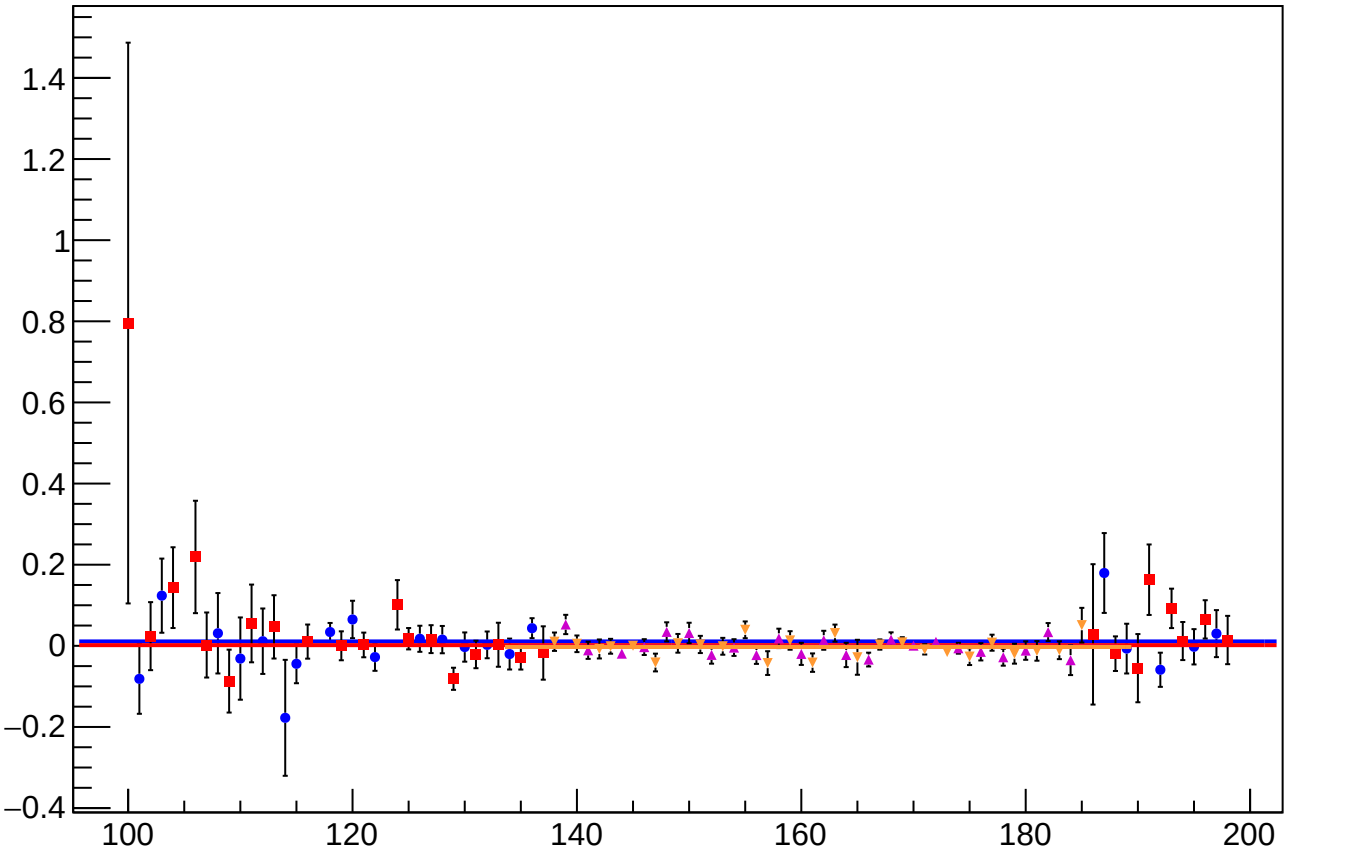
Right Out: 27.979+/-0.006 χ^2/NDF: 4906041.4/26

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

\+ sign 16.736+/-0.002 χ^2/NDF: 9482824.2/45

All: 16.905+/-0.002 χ^2/NDF: 21257982.9/95

\- sign 17.083+/-0.002 χ^2/NDF: 11765221.0/49



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

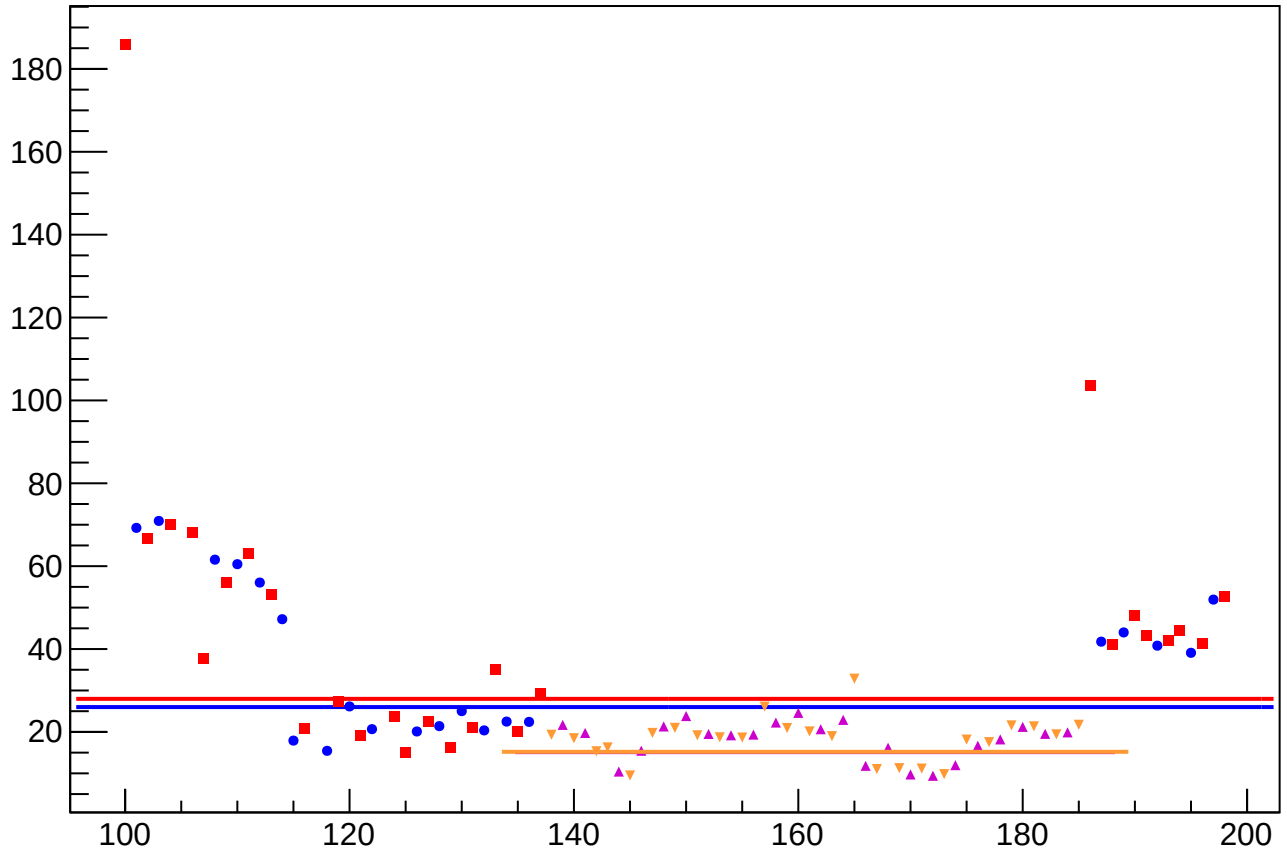
Right Out: 0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.9/45

All: -0.001+/-0.002 χ^2/NDF: 101.7/95

- sign -0.002+/-0.004 χ^2/NDF: 58.7/49



Right In: 25.995+/-0.006 χ^2/NDF: 3627546.8/20

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

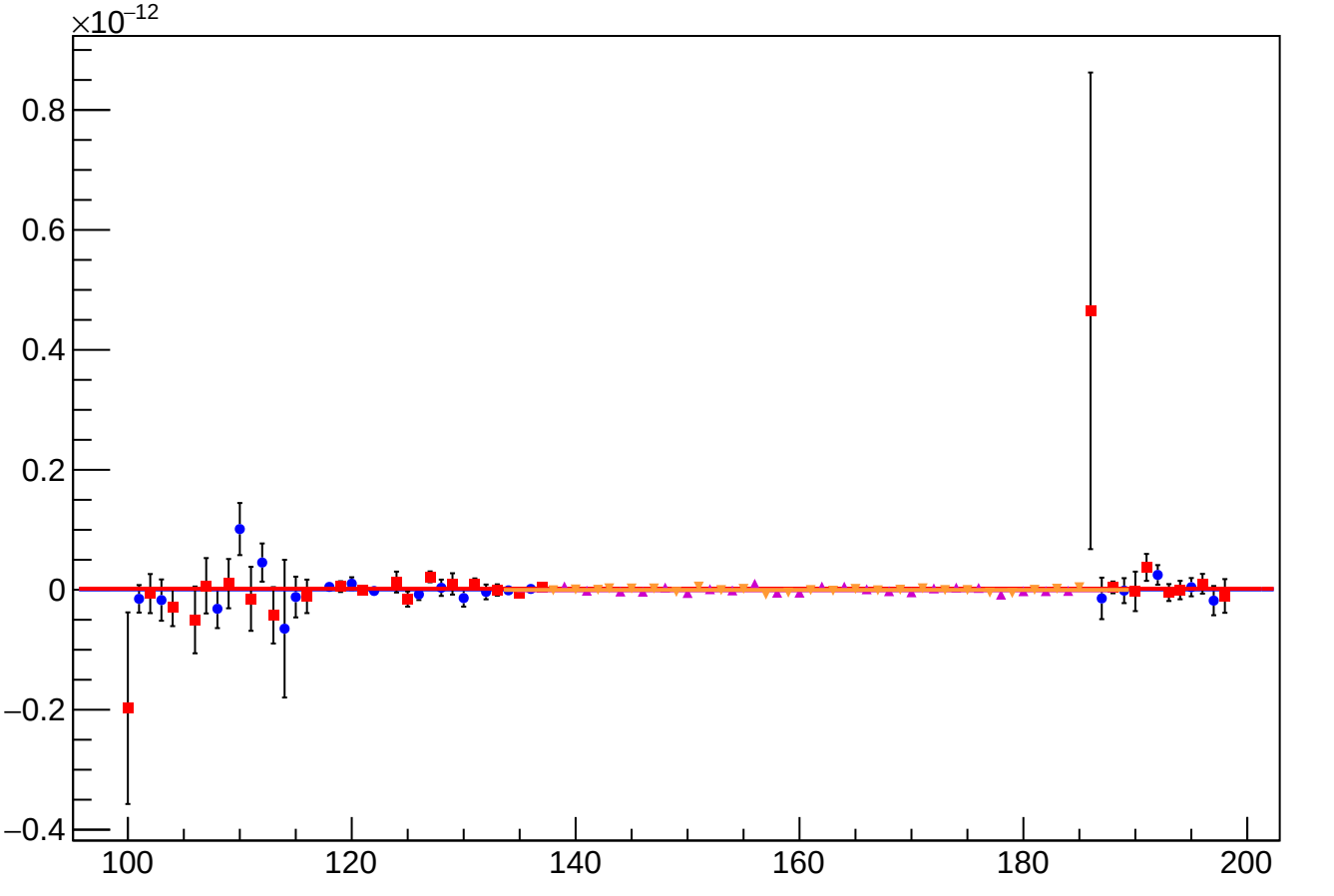
Right Out: 27.979+/-0.006 χ^2/NDF: 4906041.4/26

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.736+/-0.002 χ^2/NDF: 9482824.2/45

All: 16.905+/-0.002 χ^2/NDF: 21257982.9/95

- sign 17.083+/-0.002 χ^2/NDF: 11765221.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

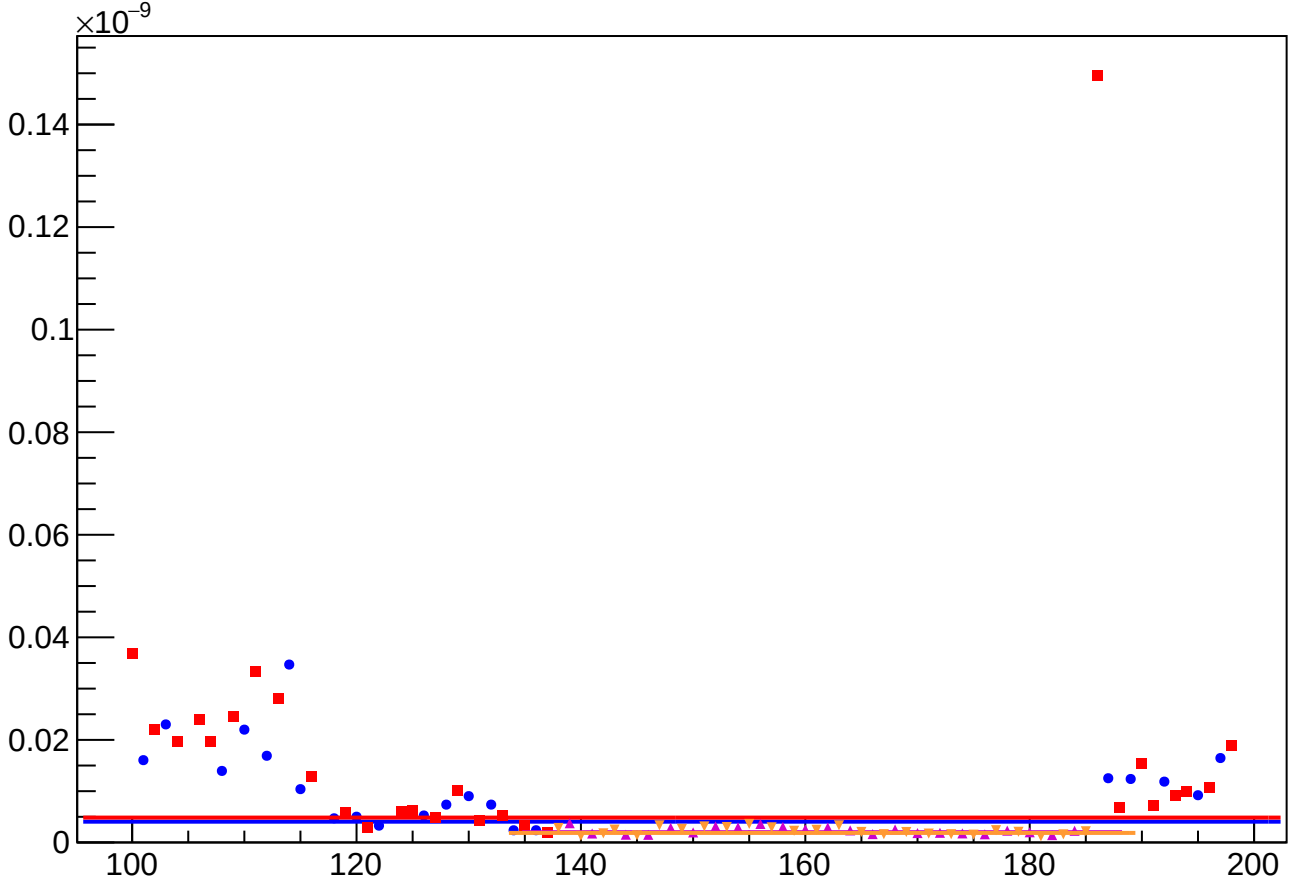
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/26

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/45

All: -0.000+/-0.000 χ^2/NDF: 99.1/95

- sign -0.000+/-0.000 χ^2/NDF: 61.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 5317311.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6346900.9/26

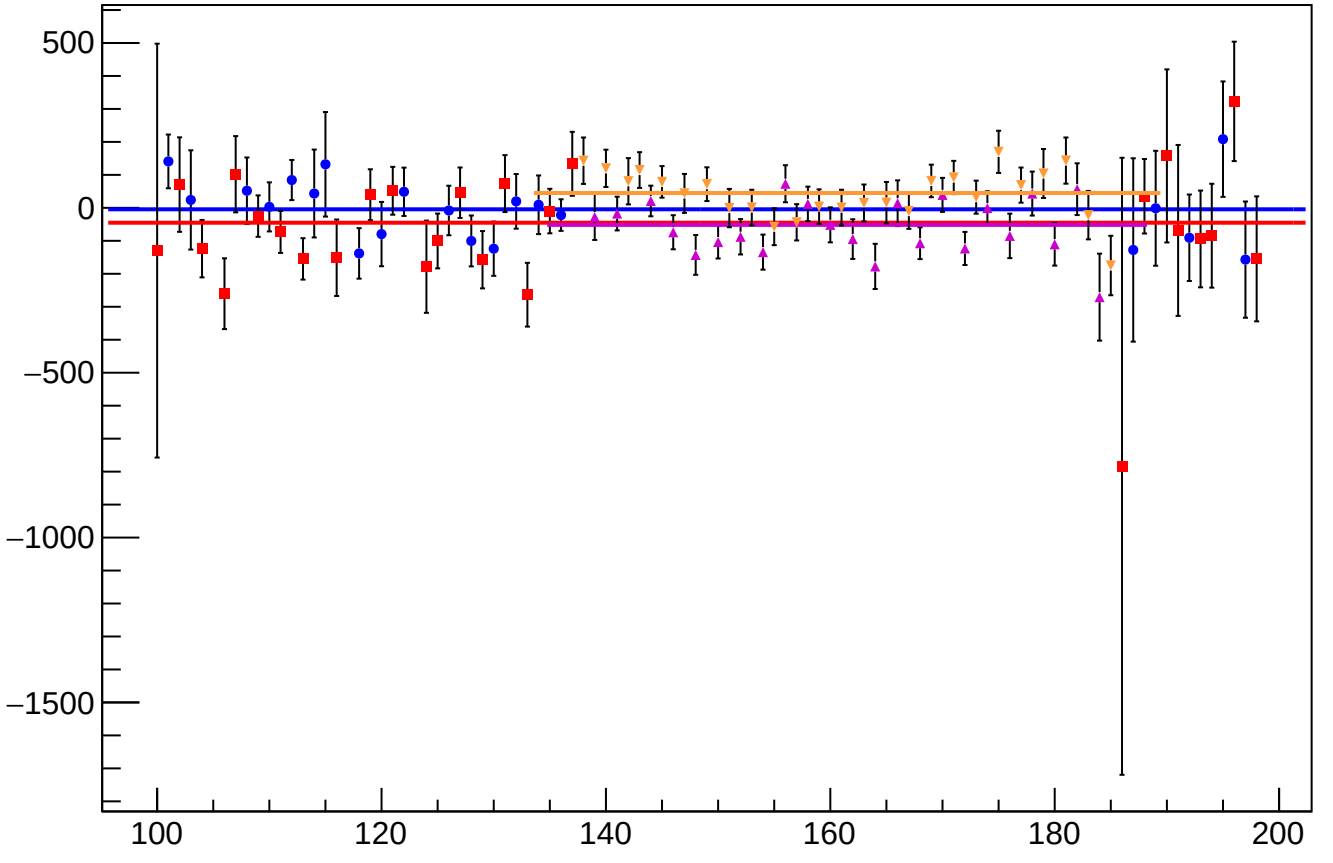
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10200717.0/45

All: 0.000+/-0.000 χ^2/NDF: 21757616.0/95

- sign 0.000+/-0.000 χ^2/NDF: 11439717.4/49

reg_asym_sam_1357_avg_mean vs Slug



Right In: -4.403+/-19.352 χ^2/NDF: 17.5/20

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -45.064+/-18.727 χ^2/NDF: 35.8/26

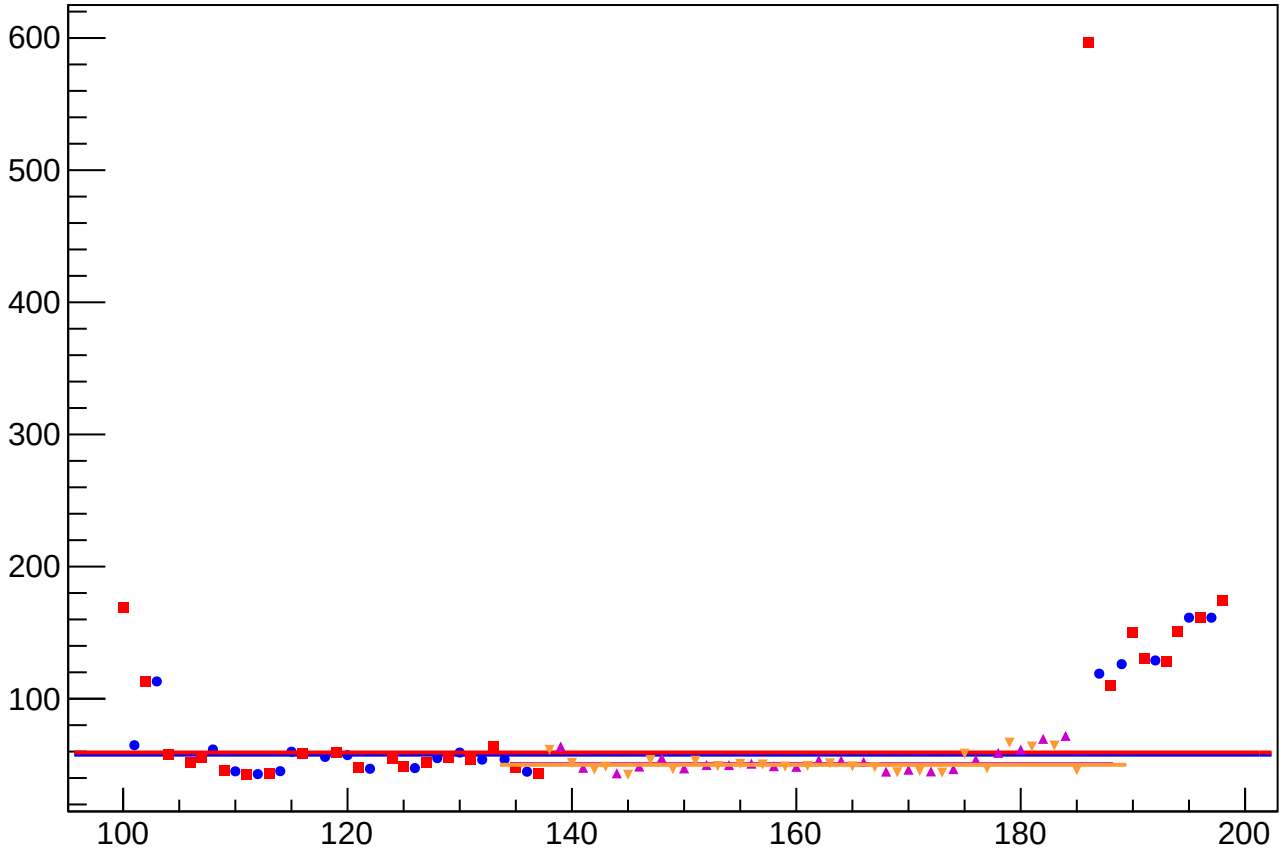
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.184+/-9.883 χ^2/NDF: 53.6/45

All: -8.038+/-7.050 χ^2/NDF: 159.1/95

- sign -49.725+/-10.061 χ^2/NDF: 71.7/49

reg_asym_sam_1357_avg_rms vs Slug



Right In: 57.691+/-0.014 χ^2/NDF: 3107993.4/20

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 59.312+/-0.013 χ^2/NDF: 4890537.0/26

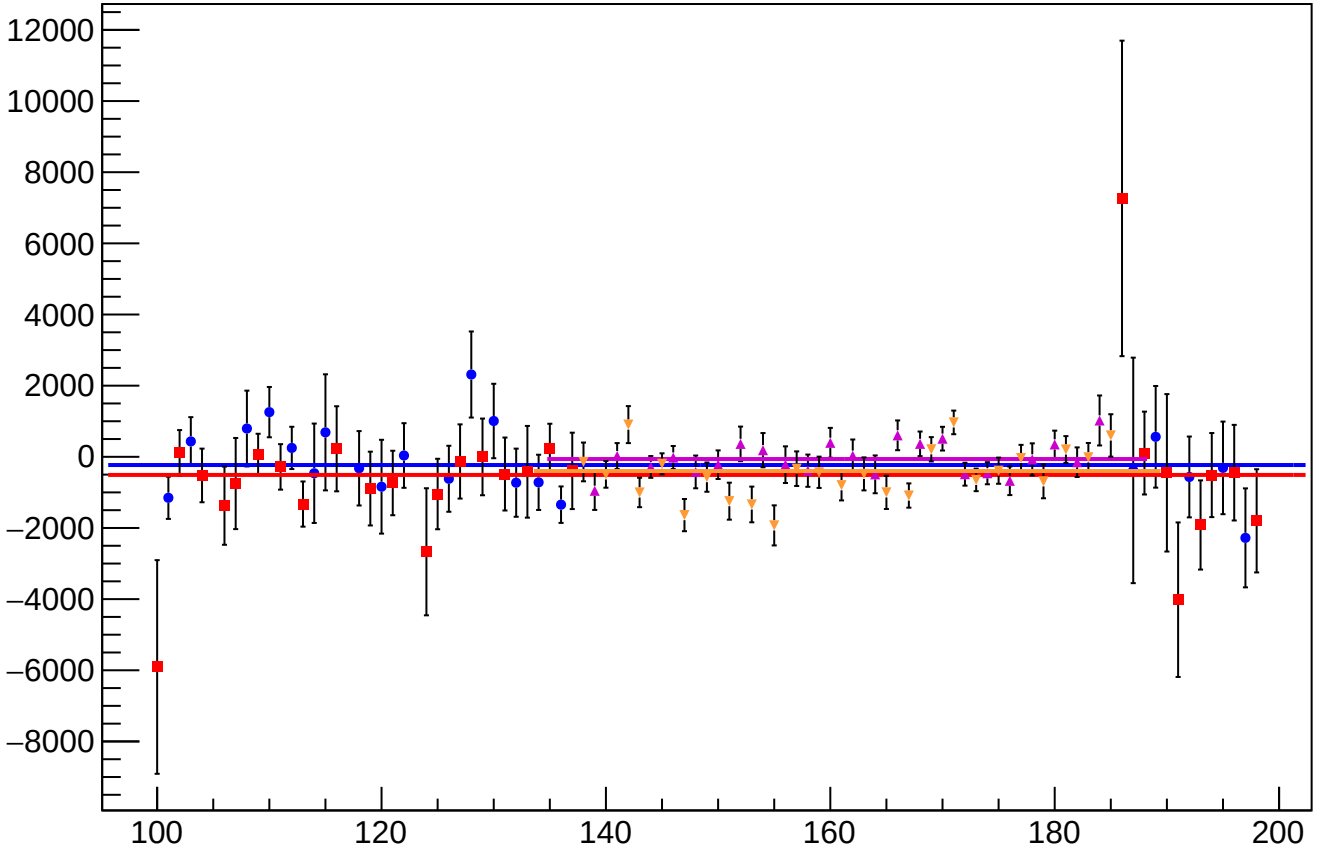
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.021+/-0.007 χ^2/NDF: 3849353.1/45

All: 52.528+/-0.005 χ^2/NDF: 9568150.4/95

- sign 53.052+/-0.007 χ^2/NDF: 5708115.7/49

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -230.575+/-195.817 χ^2/NDF: 24.0/20

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -509.036+/-190.226 χ^2/NDF: 19.4/26

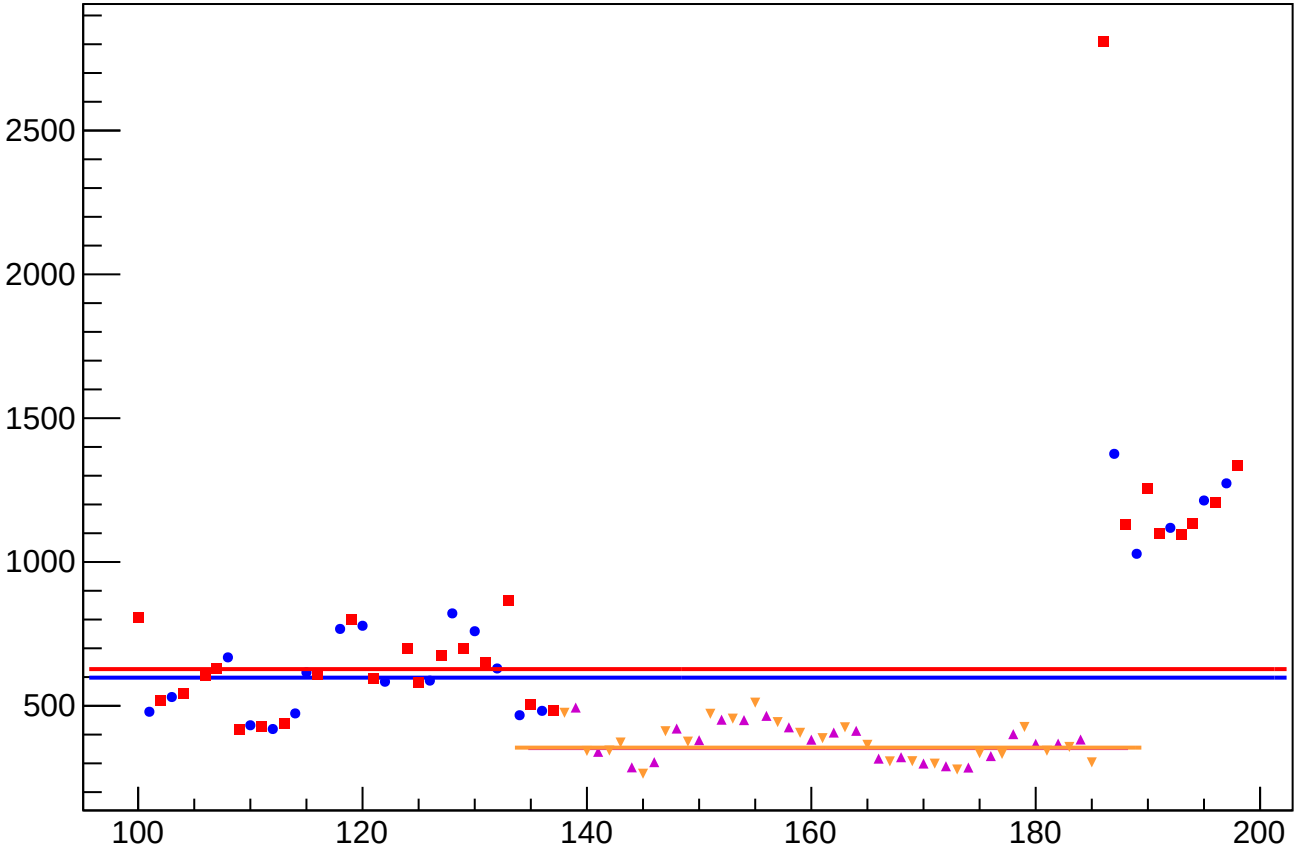
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -374.148+/-75.686 χ^2/NDF: 90.0/45

All: -256.169+/-53.893 χ^2/NDF: 142.9/95

- sign -134.820+/-76.759 χ^2/NDF: 47.9/49

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 597.960+/-0.138 χ^2/NDF: 2422973.9/20

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 627.685+/-0.135 χ^2/NDF: 3592823.5/26

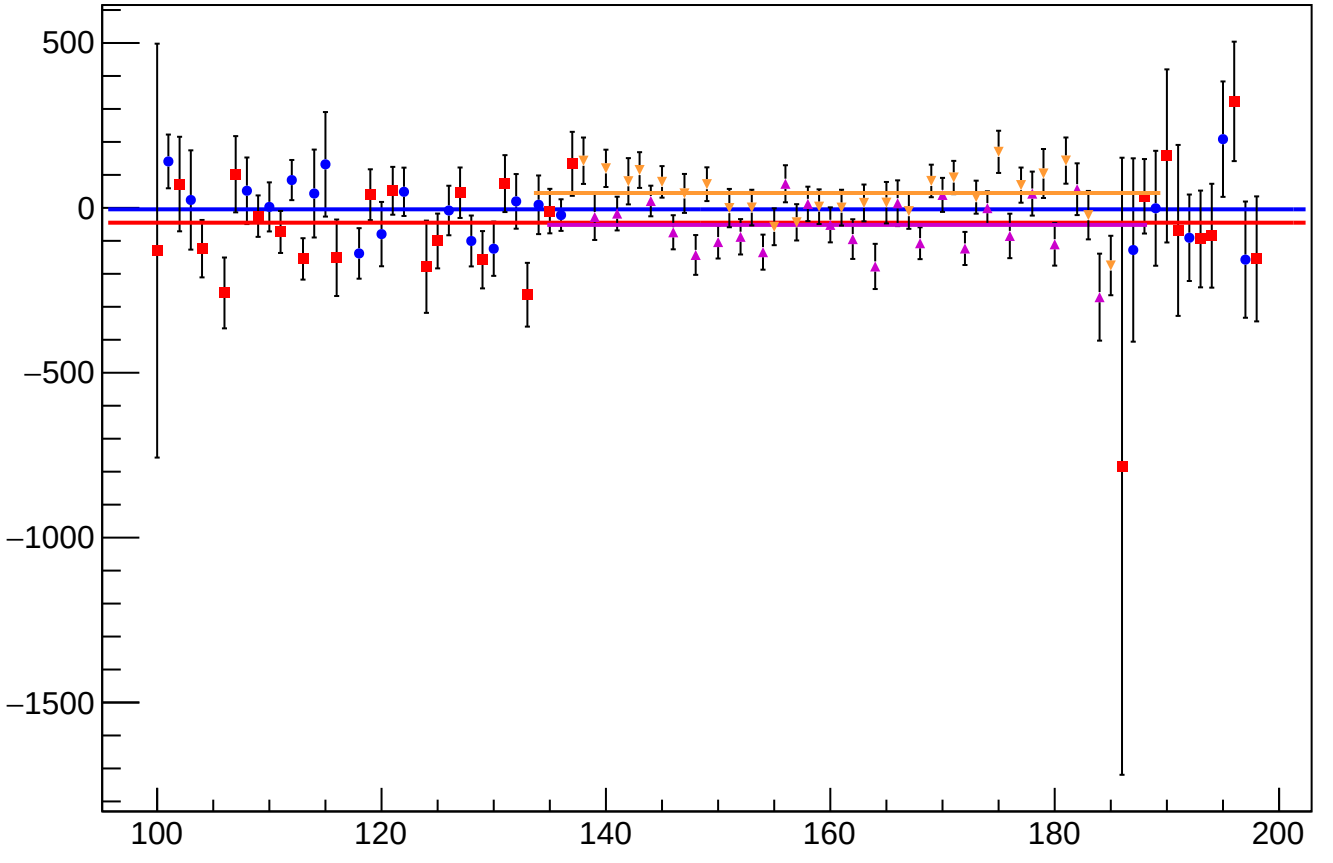
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 391.016+/-0.054 χ^2/NDF: 6194521.1/45

All: 394.369+/-0.038 χ^2/NDF: 14287853.9/95

- sign 397.818+/-0.054 χ^2/NDF: 8085370.1/49

cor_asym_sam_1357_avg_mean vs Slug



Right In: -4.407+/-19.352 χ^2/NDF: 17.5/20

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -44.957+/-18.727 χ^2/NDF: 35.7/26

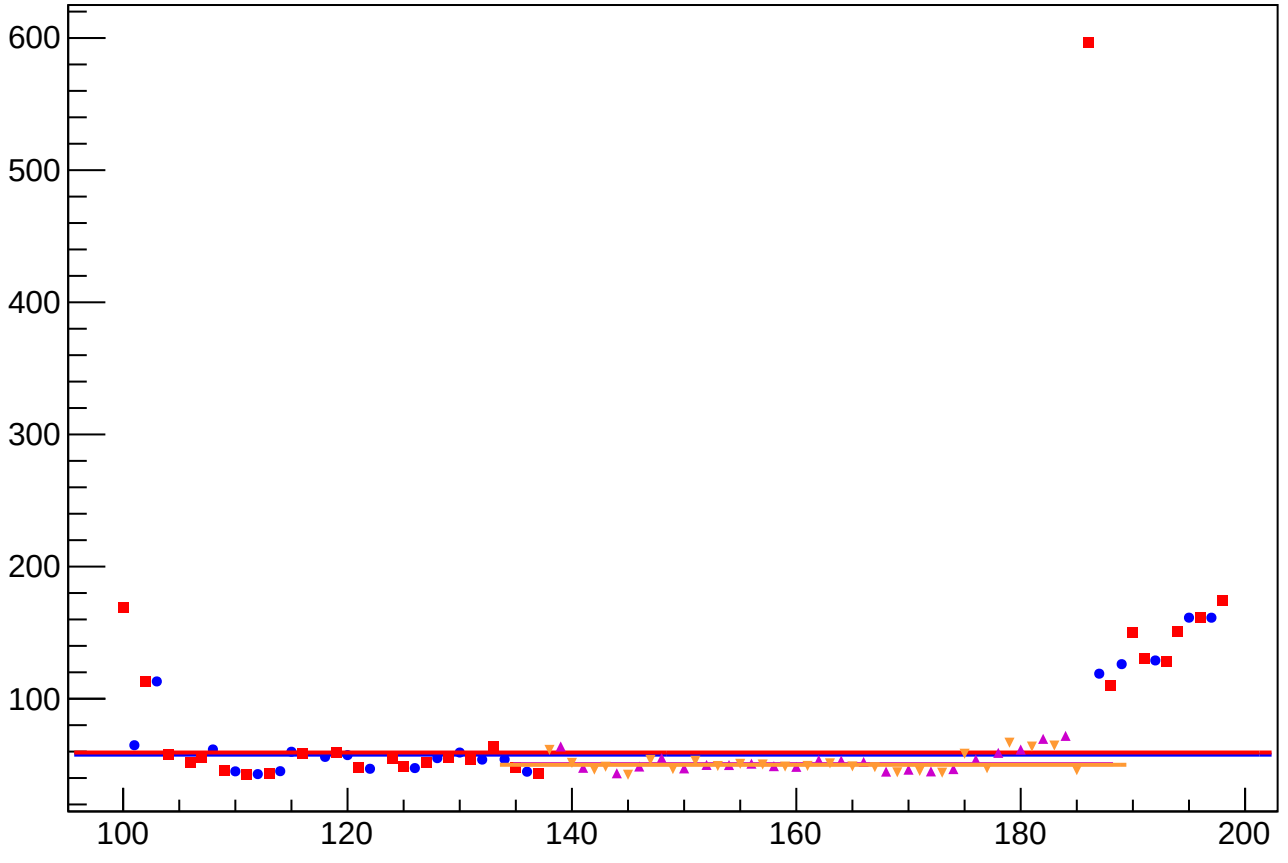
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.186+/-9.883 χ^2/NDF: 53.6/45

All: -8.022+/-7.050 χ^2/NDF: 159.0/95

- sign -49.694+/-10.061 χ^2/NDF: 71.6/49

cor_asym_sam_1357_avg_rms vs Slug



Right In: 57.691+/-0.014 χ^2/NDF: 3107995.7/20

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 59.303+/-0.013 χ^2/NDF: 4891571.6/26

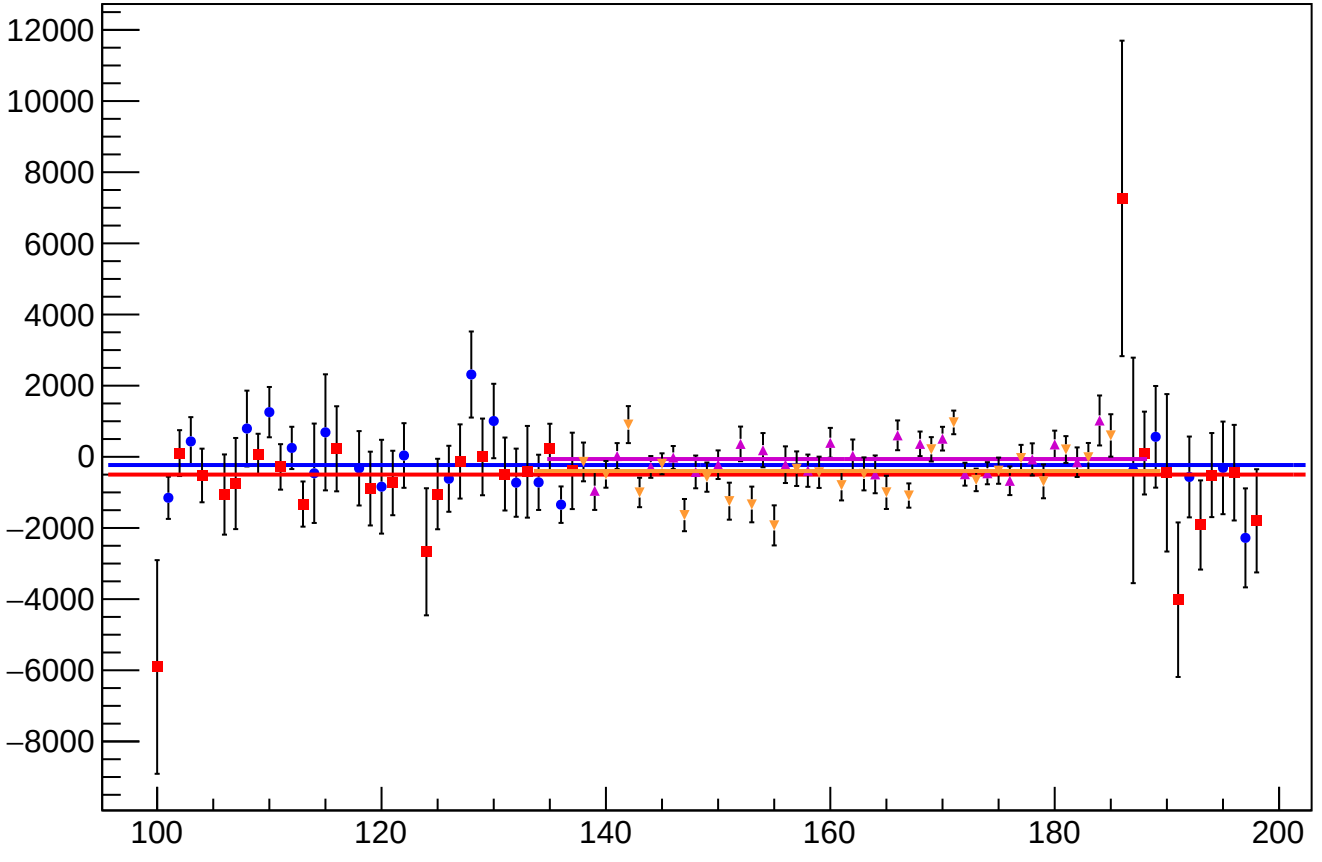
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.021+/-0.007 χ^2/NDF: 3849355.4/45

All: 52.526+/-0.005 χ^2/NDF: 9568477.4/95

- sign 53.049+/-0.007 χ^2/NDF: 5708496.1/49

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -230.556+/-195.819 χ^2/NDF: 24.0/20

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -499.238+/-190.383 χ^2/NDF: 19.0/26

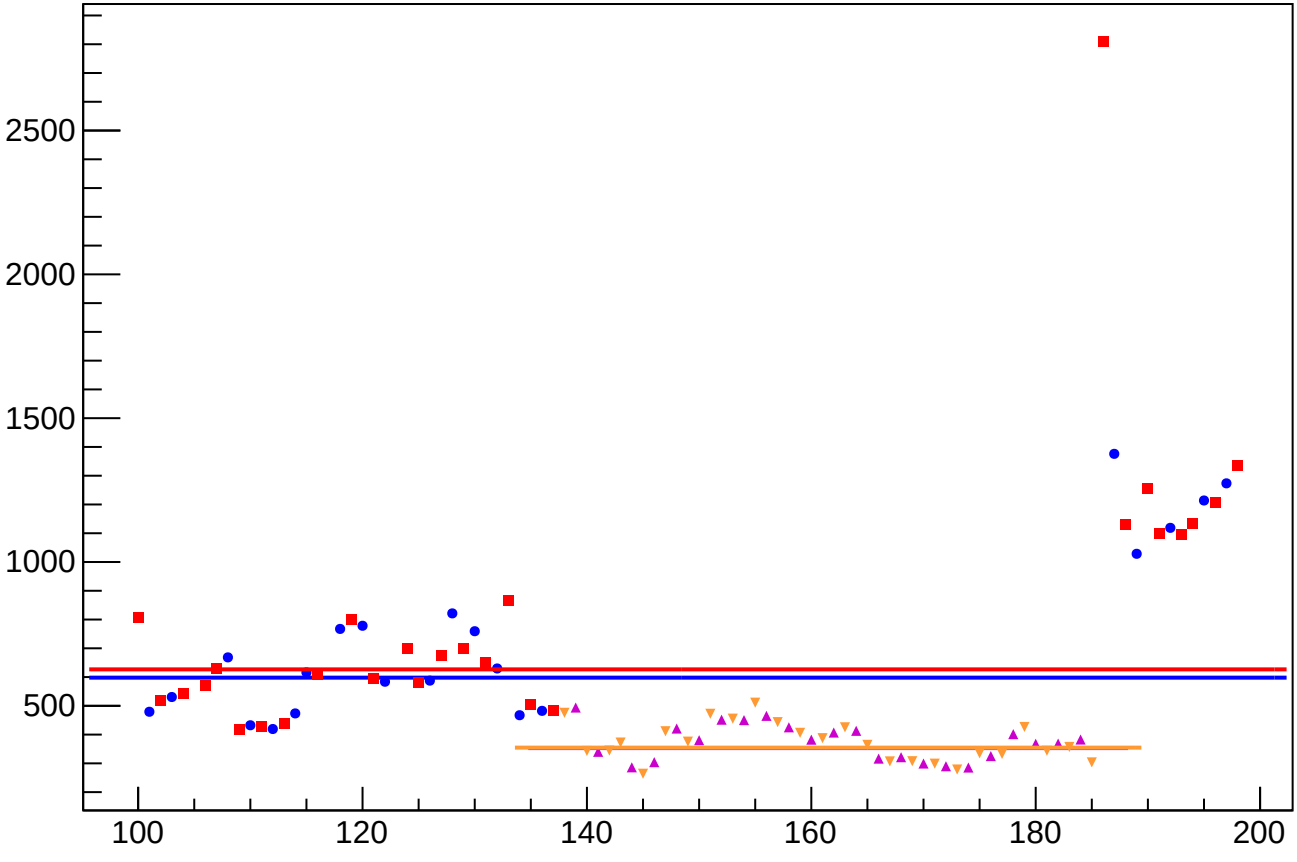
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -374.141+/-75.686 χ^2/NDF: 90.0/45

All: -255.346+/-53.897 χ^2/NDF: 142.3/95

- sign -133.127+/-76.769 χ^2/NDF: 47.4/49

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 597.966+/-0.138 χ^2/NDF: 2422937.0/20

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 626.766+/-0.135 χ^2/NDF: 3596504.7/26

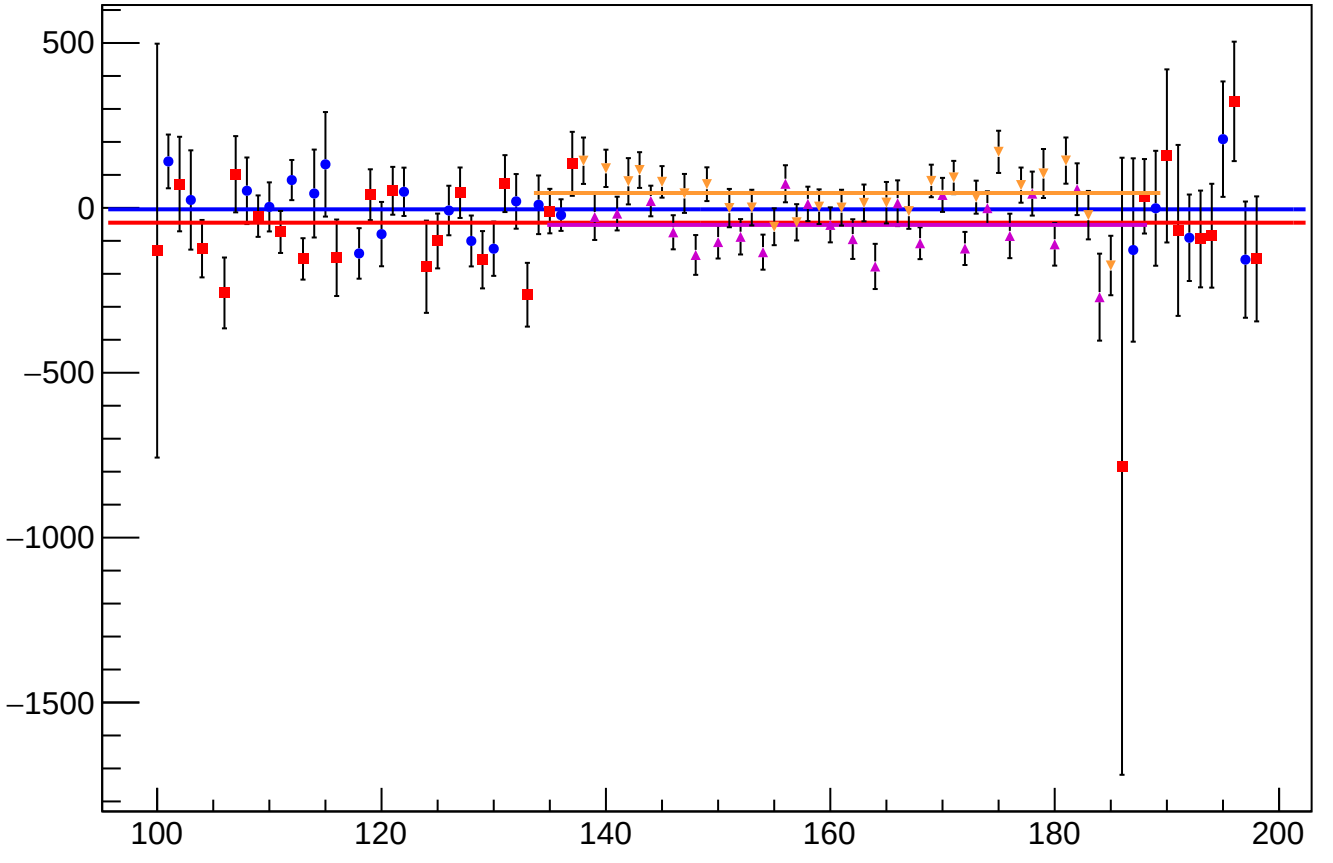
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 391.016+/-0.054 χ^2/NDF: 6194577.1/45

All: 394.264+/-0.038 χ^2/NDF: 14263014.0/95

- sign 397.606+/-0.054 χ^2/NDF: 8060962.1/49

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -4.407+/-19.352 χ^2/NDF: 17.5/20

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -44.957+/-18.727 χ^2/NDF: 35.7/26

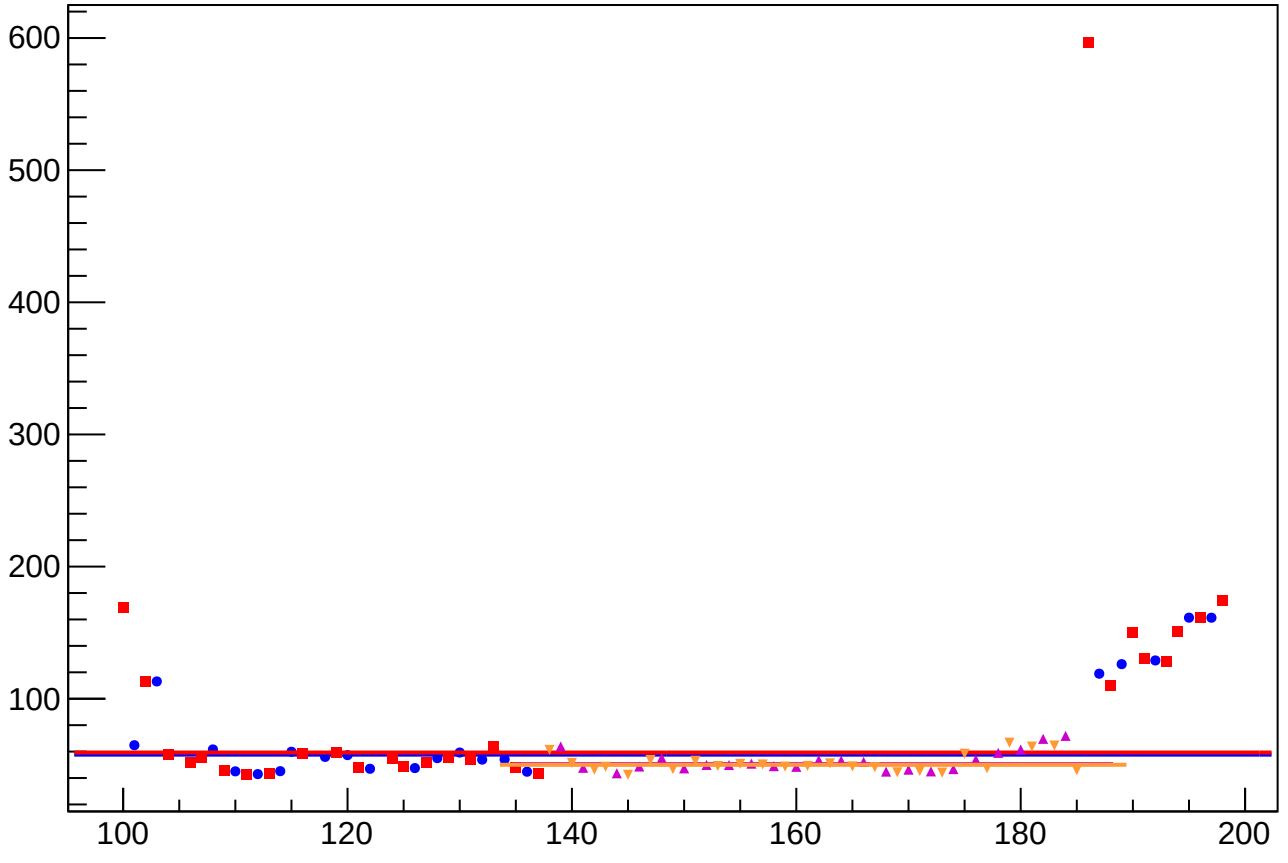
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.186+/-9.883 χ^2/NDF: 53.6/45

All: -8.022+/-7.050 χ^2/NDF: 159.0/95

- sign -49.694+/-10.061 χ^2/NDF: 71.6/49

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 57.691+/-0.014 χ^2/NDF: 3107995.7/20

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

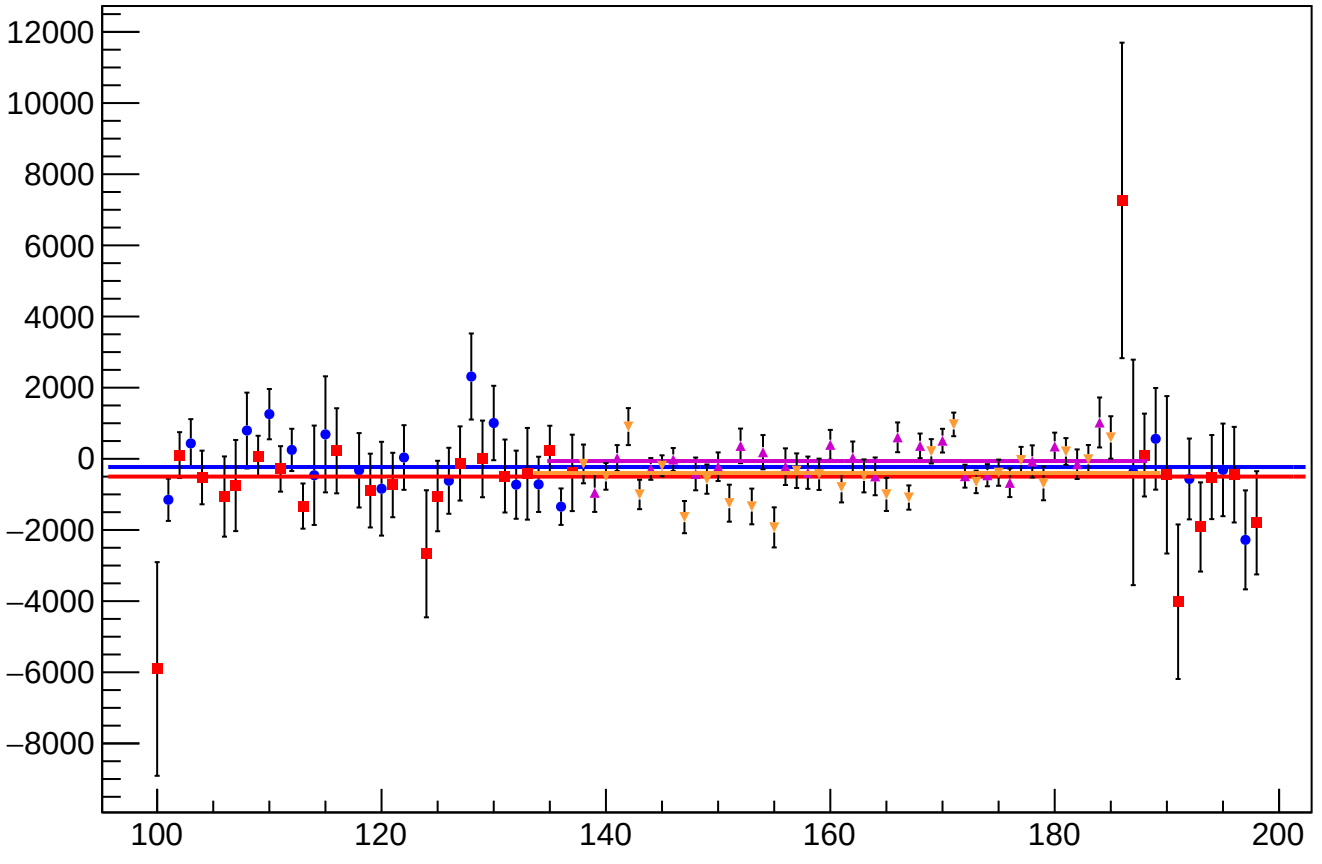
Right Out: 59.303+/-0.013 χ^2/NDF: 4891571.6/26

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.021+/-0.007 χ^2/NDF: 3849355.4/45

All: 52.526+/-0.005 χ^2/NDF: 9568477.4/95

- sign 53.049+/-0.007 χ^2/NDF: 5708496.1/49



Right In: -230.556+/-195.819 χ^2/NDF: 24.0/20

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

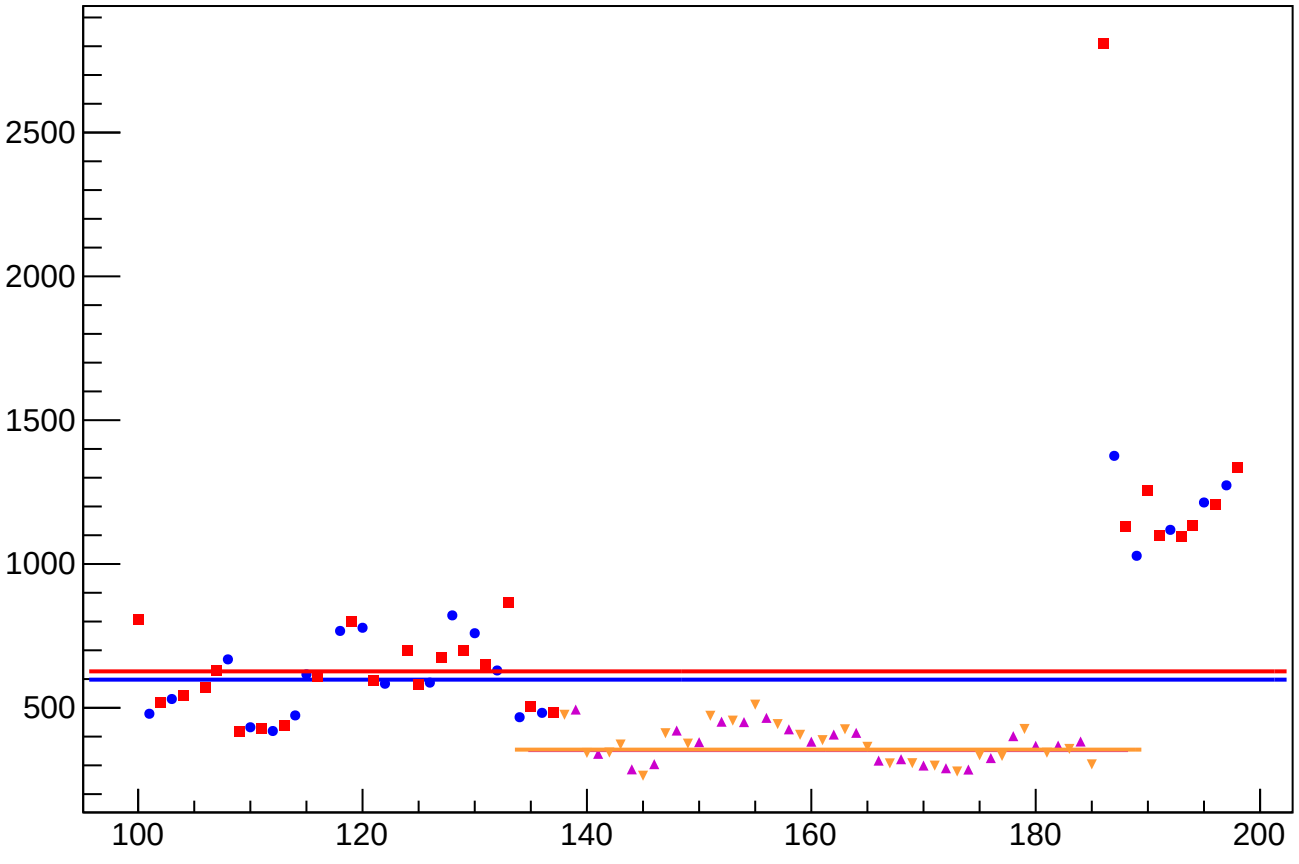
Right Out: -499.238+/-190.383 χ^2/NDF: 19.0/26

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -374.141+/-75.686 χ^2/NDF: 90.0/45

All: -255.346+/-53.897 χ^2/NDF: 142.3/95

- sign -133.127+/-76.769 χ^2/NDF: 47.4/49



Right In: 597.966+/-0.138 χ^2/NDF: 2422937.0/20

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 626.766+/-0.135 χ^2/NDF: 3596504.7/26

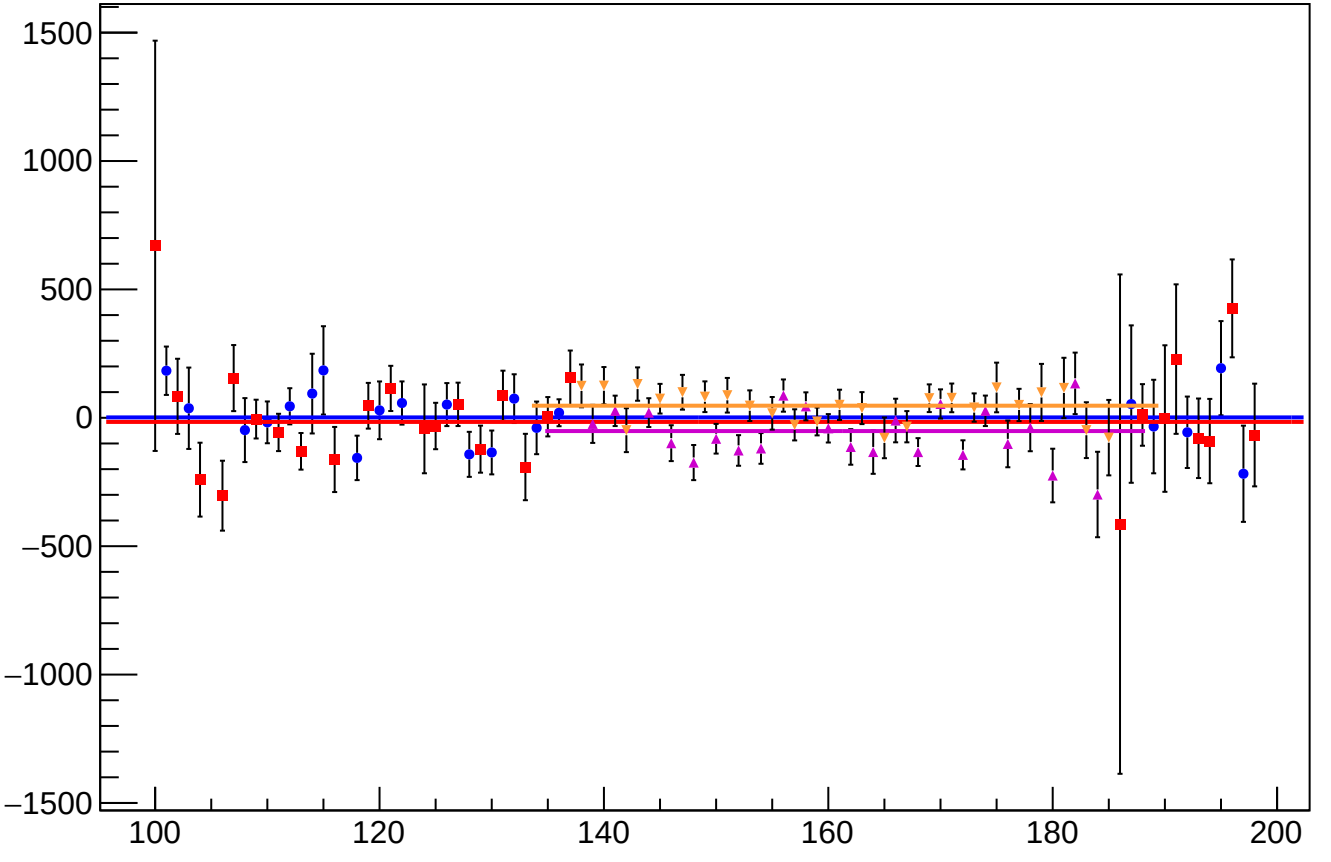
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 391.016+/-0.054 χ^2/NDF: 6194577.1/45

All: 394.264+/-0.038 χ^2/NDF: 14263014.0/95

- sign 397.606+/-0.054 χ^2/NDF: 8060962.1/49

dit_asym_sam_1357_avg_mean vs Slug



Right In: 1.541+/-21.670 χ^2/NDF: 18.9/20

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -16.072+/-21.542 χ^2/NDF: 31.2/26

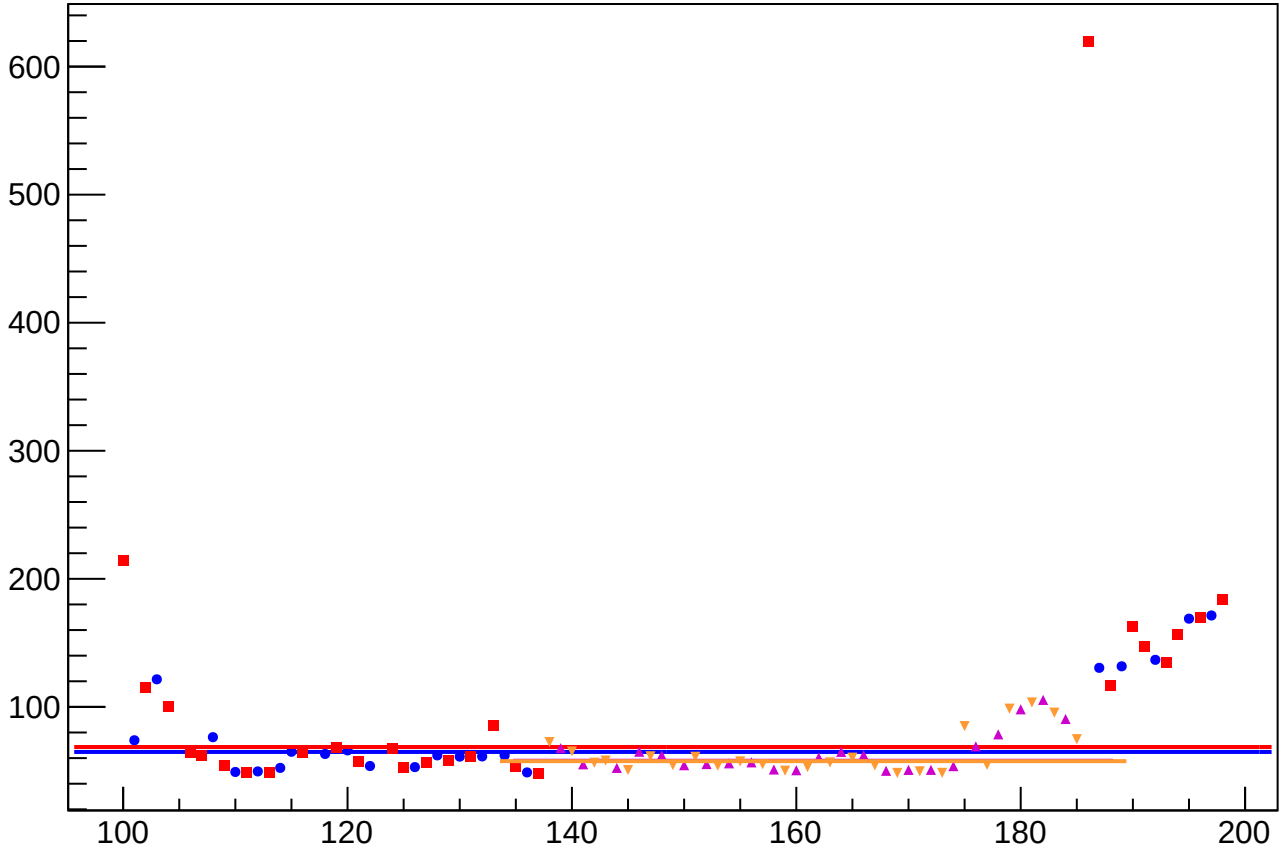
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 34.383+/-11.465 χ^2/NDF: 39.0/45

All: -2.623+/-8.189 χ^2/NDF: 131.7/95

- sign -41.157+/-11.700 χ^2/NDF: 71.3/49

dit_asym_sam_1357_avg_rms vs Slug



Right In: 64.814+/-0.015 χ^2/NDF: 2929940.1/20

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 68.665+/-0.015 χ^2/NDF: 4606287.0/26

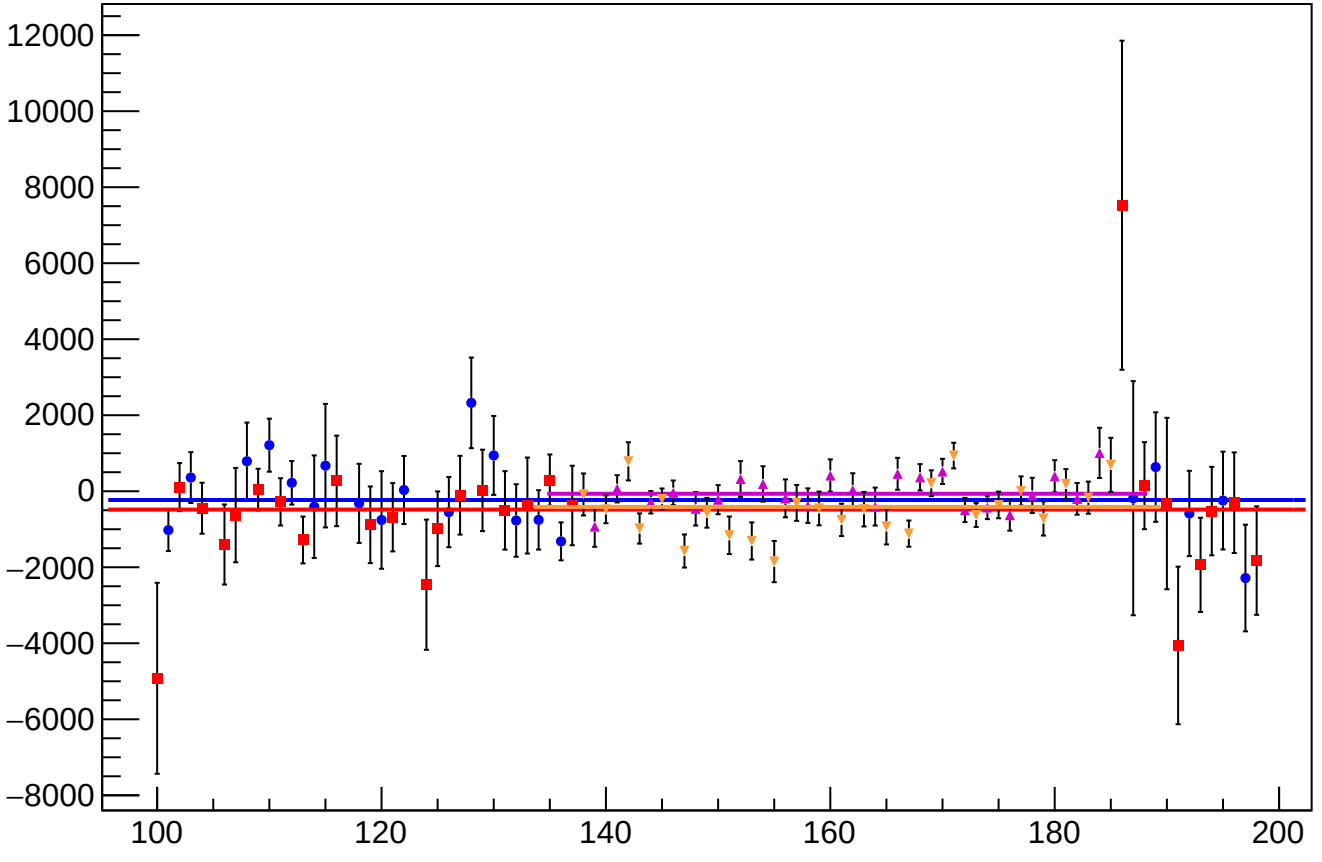
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 59.642+/-0.008 χ^2/NDF: 4453628.5/45

All: 60.358+/-0.006 χ^2/NDF: 10549865.2/95

- sign 61.103+/-0.008 χ^2/NDF: 6080310.5/49

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -230.535+/-191.238 χ^2/NDF: 23.4/20

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -482.333+/-184.235 χ^2/NDF: 20.4/26

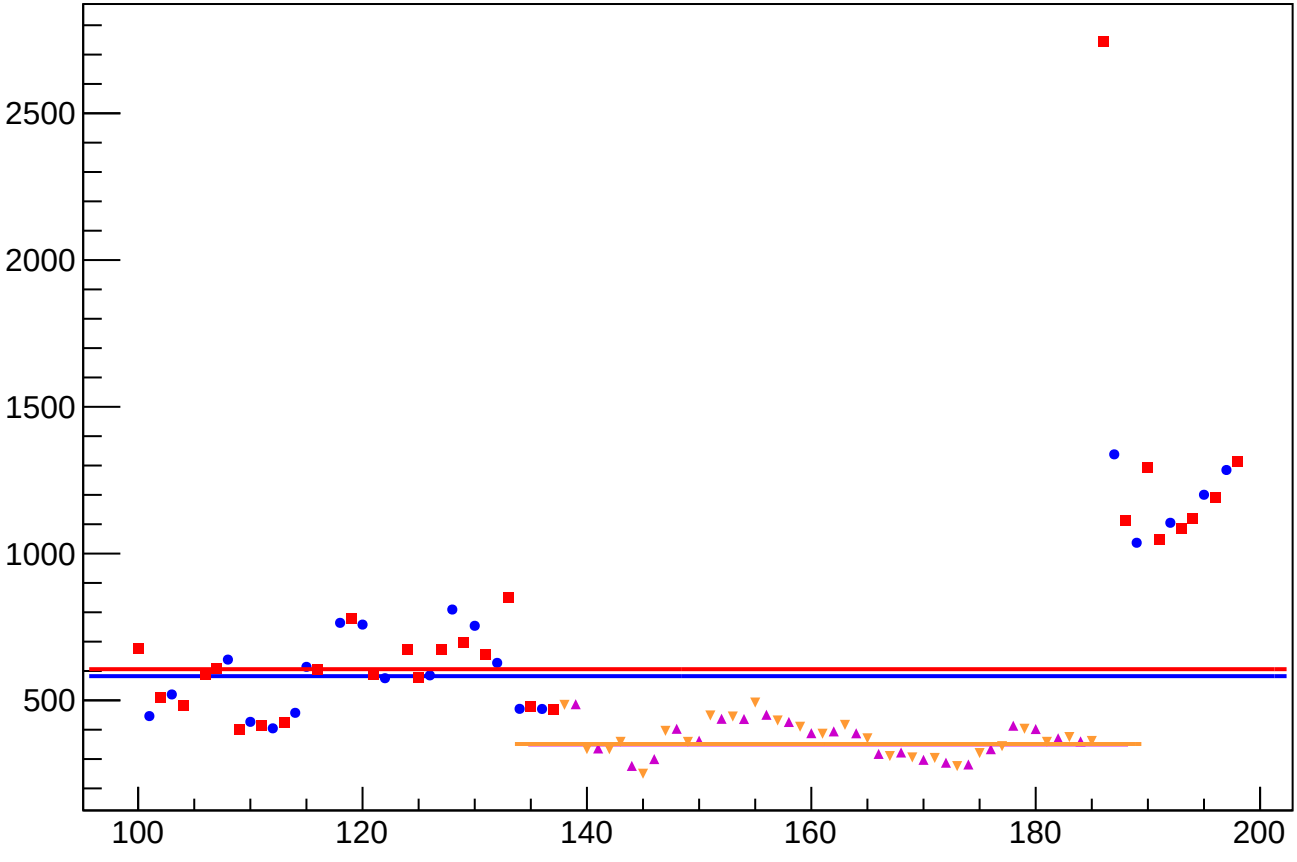
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -385.212+/-74.690 χ^2/NDF: 85.5/45

All: -262.777+/-53.180 χ^2/NDF: 138.5/95

- sign -136.887+/-75.737 χ^2/NDF: 47.5/49

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 582.422+/-0.135 χ^2/NDF: 2541807.6/20

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 606.194+/-0.130 χ^2/NDF: 3756677.2/26

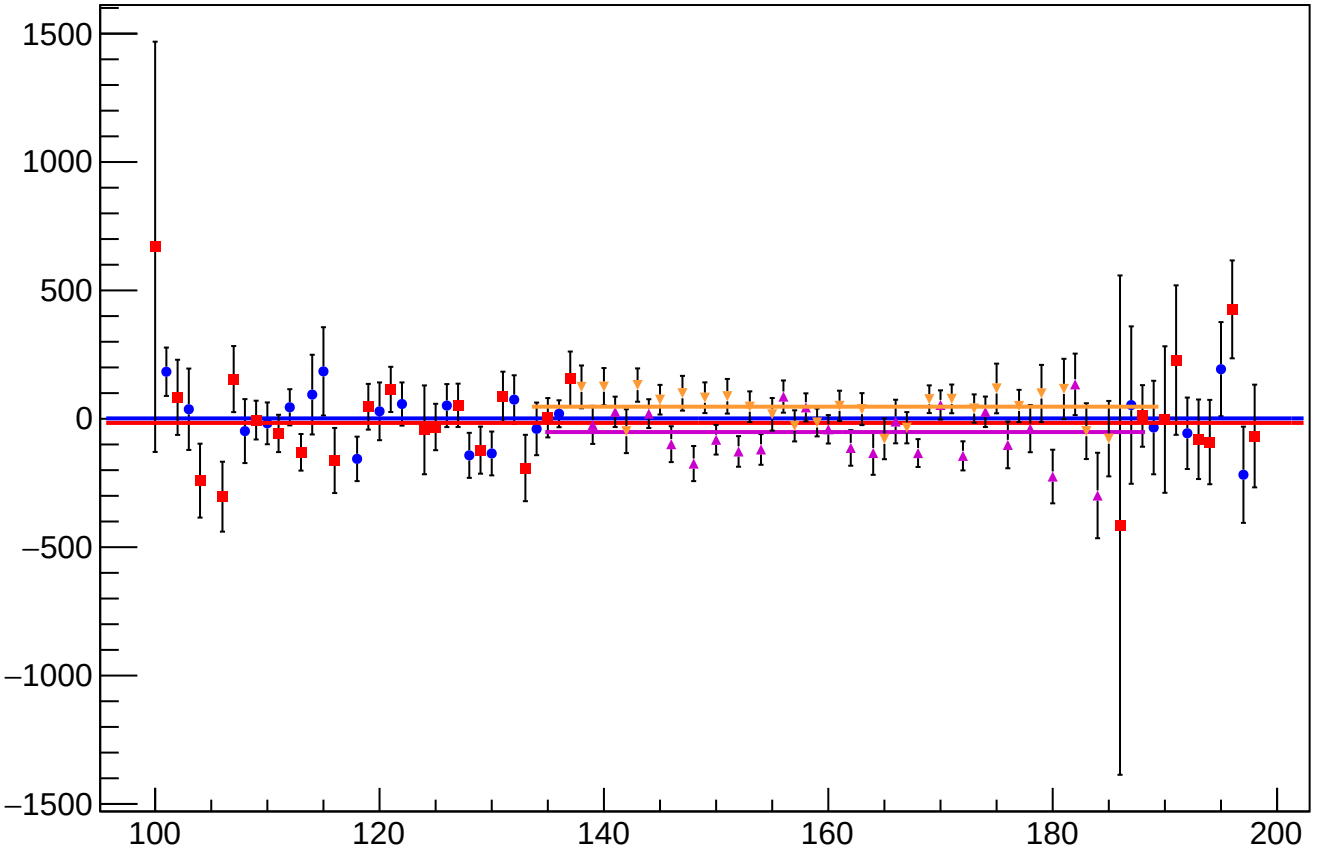
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 386.525+/-0.053 χ^2/NDF: 6136436.0/45

All: 389.786+/-0.038 χ^2/NDF: 14109786.9/95

- sign 393.140+/-0.054 χ^2/NDF: 7965615.6/49

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 1.541+/-21.670 χ^2/NDF: 18.9/20

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -16.070+/-21.542 χ^2/NDF: 31.2/26

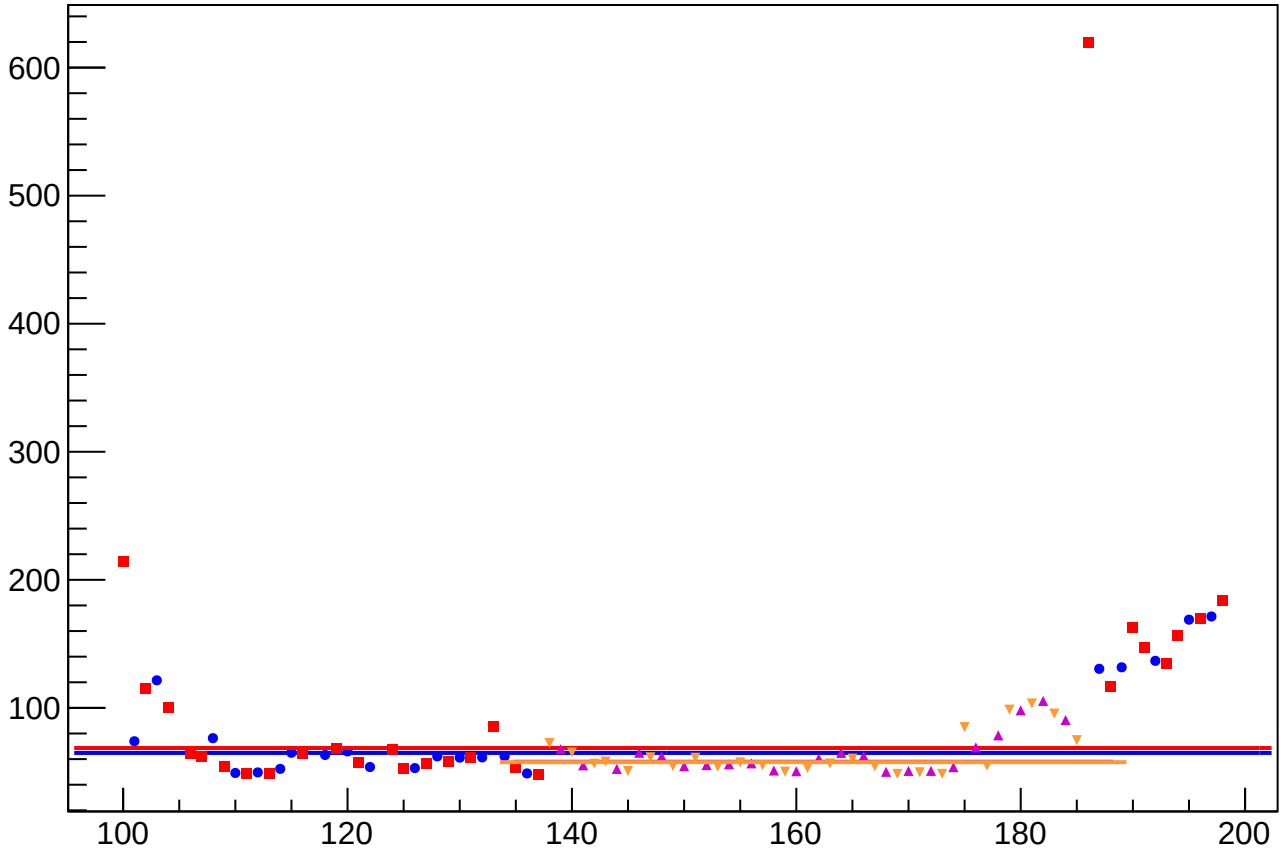
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 34.383+/-11.465 χ^2/NDF: 39.0/45

All: -2.623+/-8.189 χ^2/NDF: 131.7/95

- sign -41.156+/-11.700 χ^2/NDF: 71.3/49

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 64.814+/-0.015 χ^2/NDF: 2929929.2/20

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

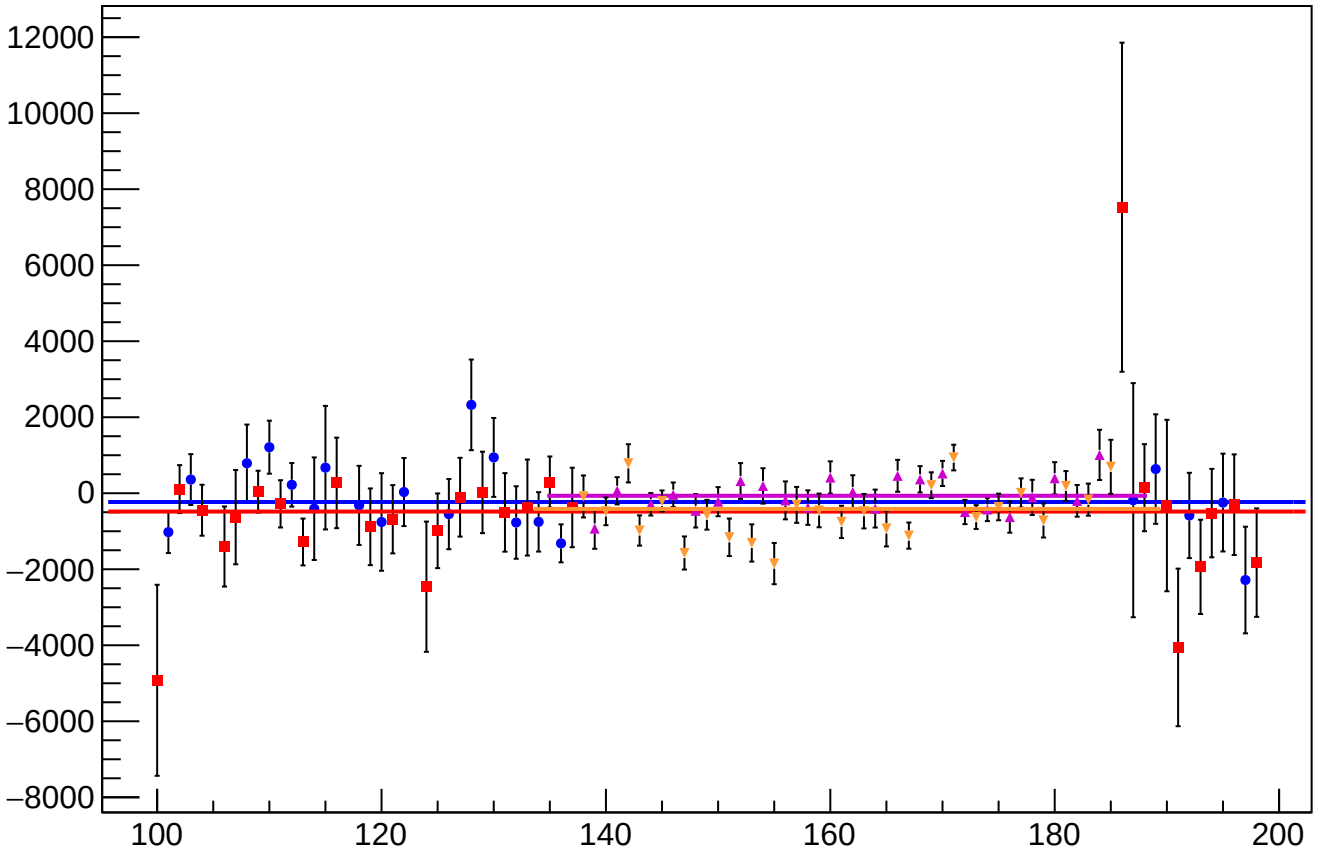
Right Out: 68.665+/-0.015 χ^2/NDF: 4606279.7/26

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 59.642+/-0.008 χ^2/NDF: 4453612.6/45

All: 60.358+/-0.006 χ^2/NDF: 10549829.6/95

- sign 61.104+/-0.008 χ^2/NDF: 6080290.1/49



Right In: -230.534+/-191.238 χ^2/NDF: 23.4/20

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

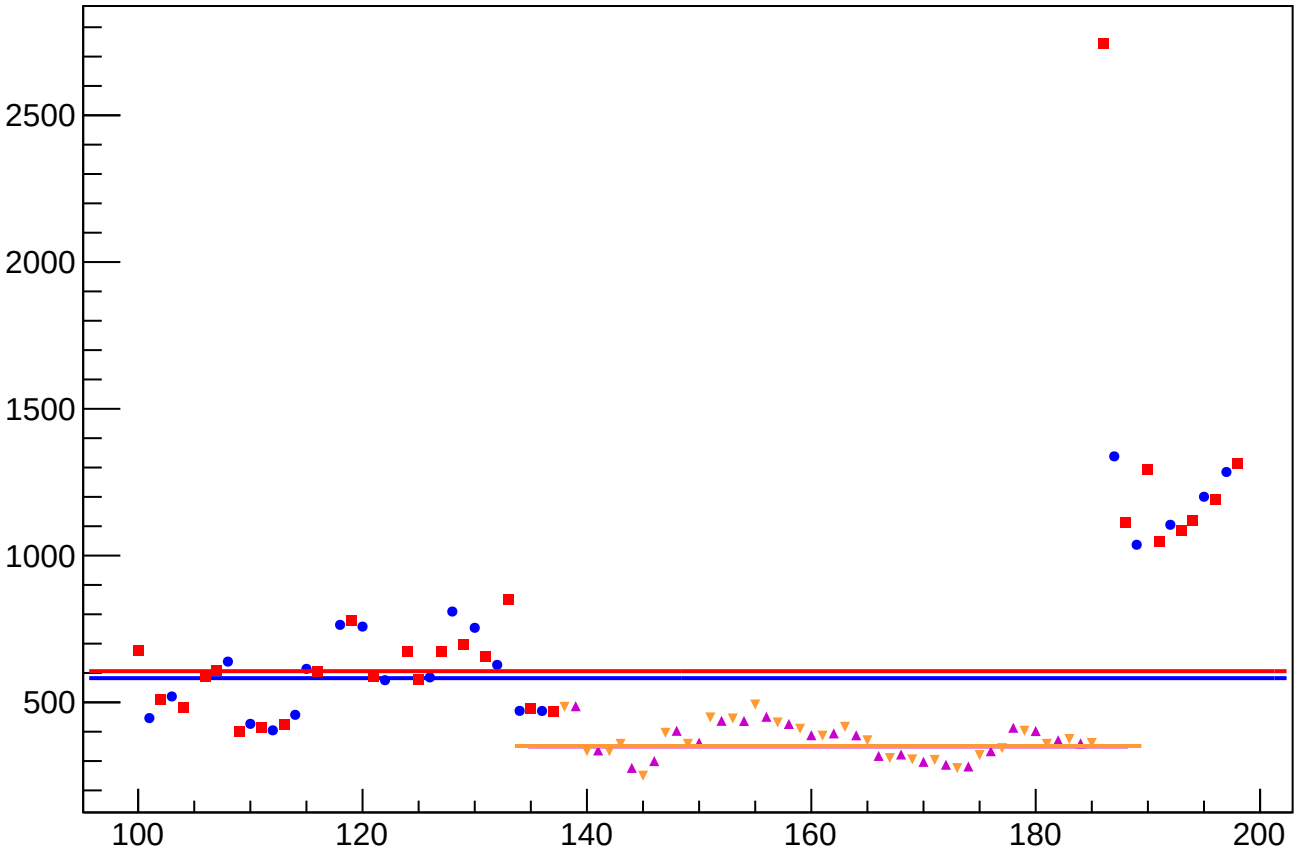
Right Out: -482.332+/-184.235 χ^2/NDF: 20.4/26

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -385.212+/-74.690 χ^2/NDF: 85.5/45

All: -262.777+/-53.180 χ^2/NDF: 138.5/95

- sign -136.887+/-75.737 χ^2/NDF: 47.5/49



Right In: 582.421+/-0.135 χ^2/NDF: 2541813.6/20

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 606.193+/-0.130 χ^2/NDF: 3756681.3/26

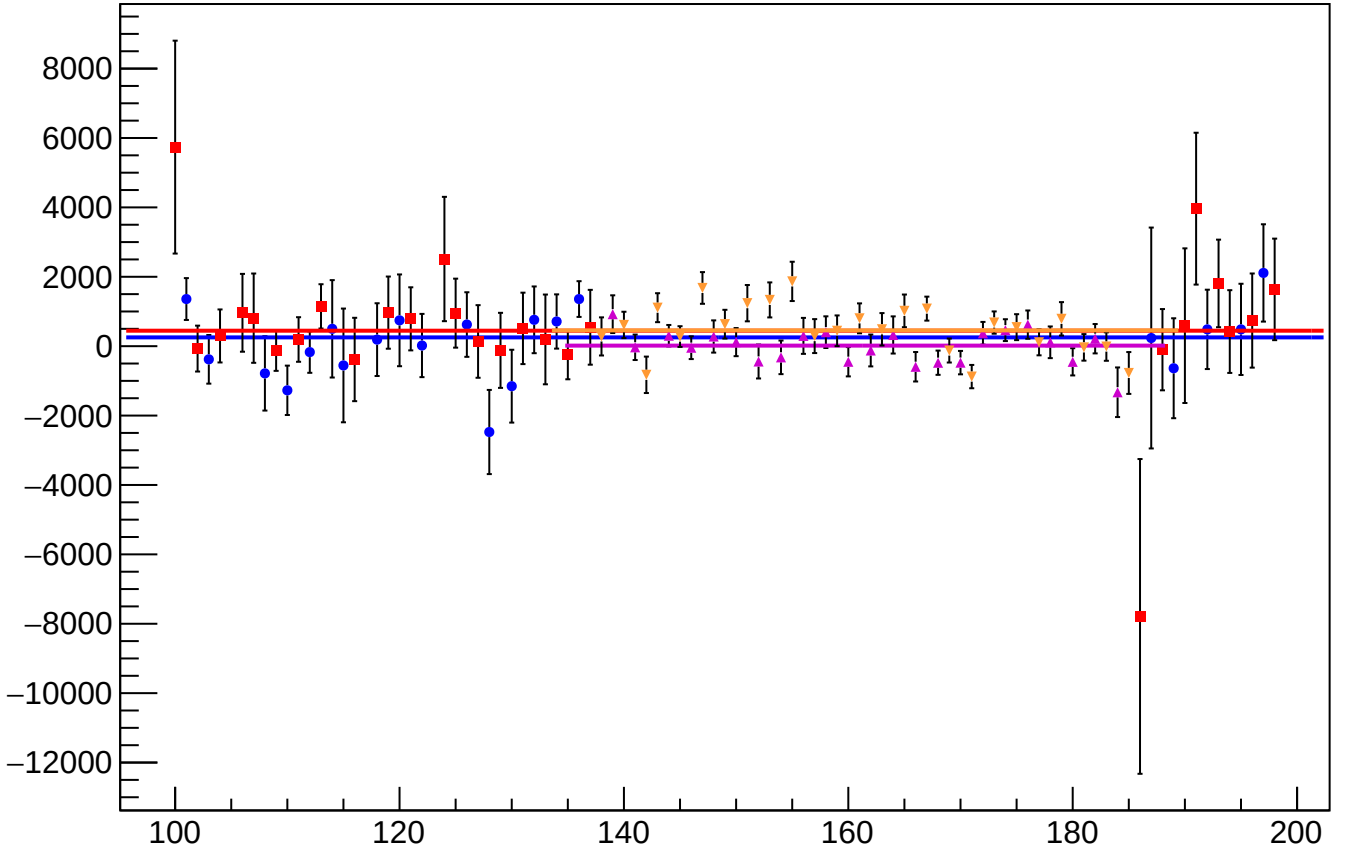
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 386.524+/-0.053 χ^2/NDF: 6136427.7/45

All: 389.786+/-0.038 χ^2/NDF: 14109761.7/95

- sign 393.140+/-0.054 χ^2/NDF: 7965598.3/49

asym_sam_1357_avg_mean vs Slug



Right In: 253.240+/-197.411 χ^2/NDF: 25.1/20

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 445.956+/-191.778 χ^2/NDF: 18.1/26

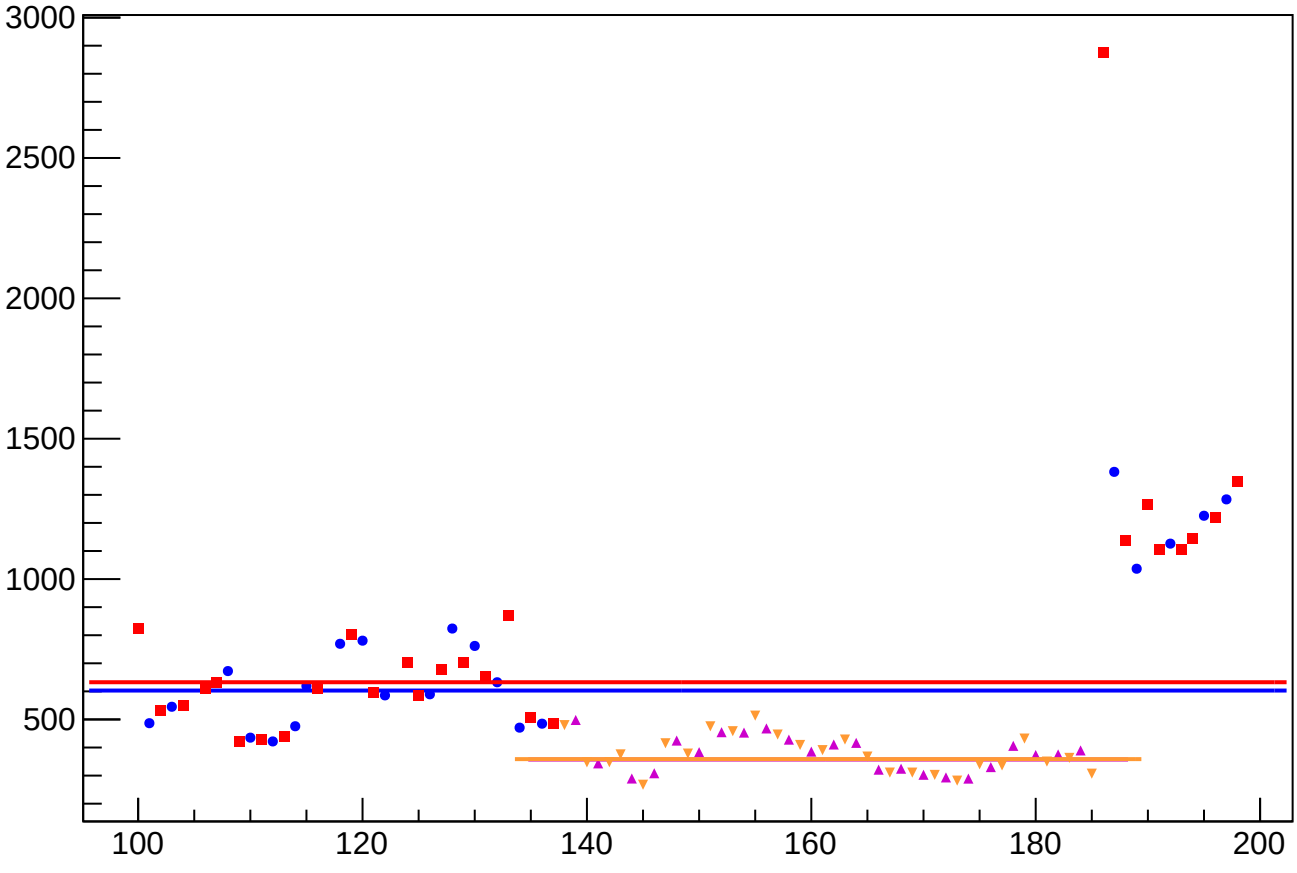
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 424.916+/-76.482 χ^2/NDF: 86.9/45

All: 258.081+/-54.465 χ^2/NDF: 143.6/95

- sign 86.420+/-77.580 χ^2/NDF: 47.1/49

asym_sam_1357_avg_rms vs Slug



Right In: 602.963+/-0.140 χ^2/NDF: 2412746.1/20

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

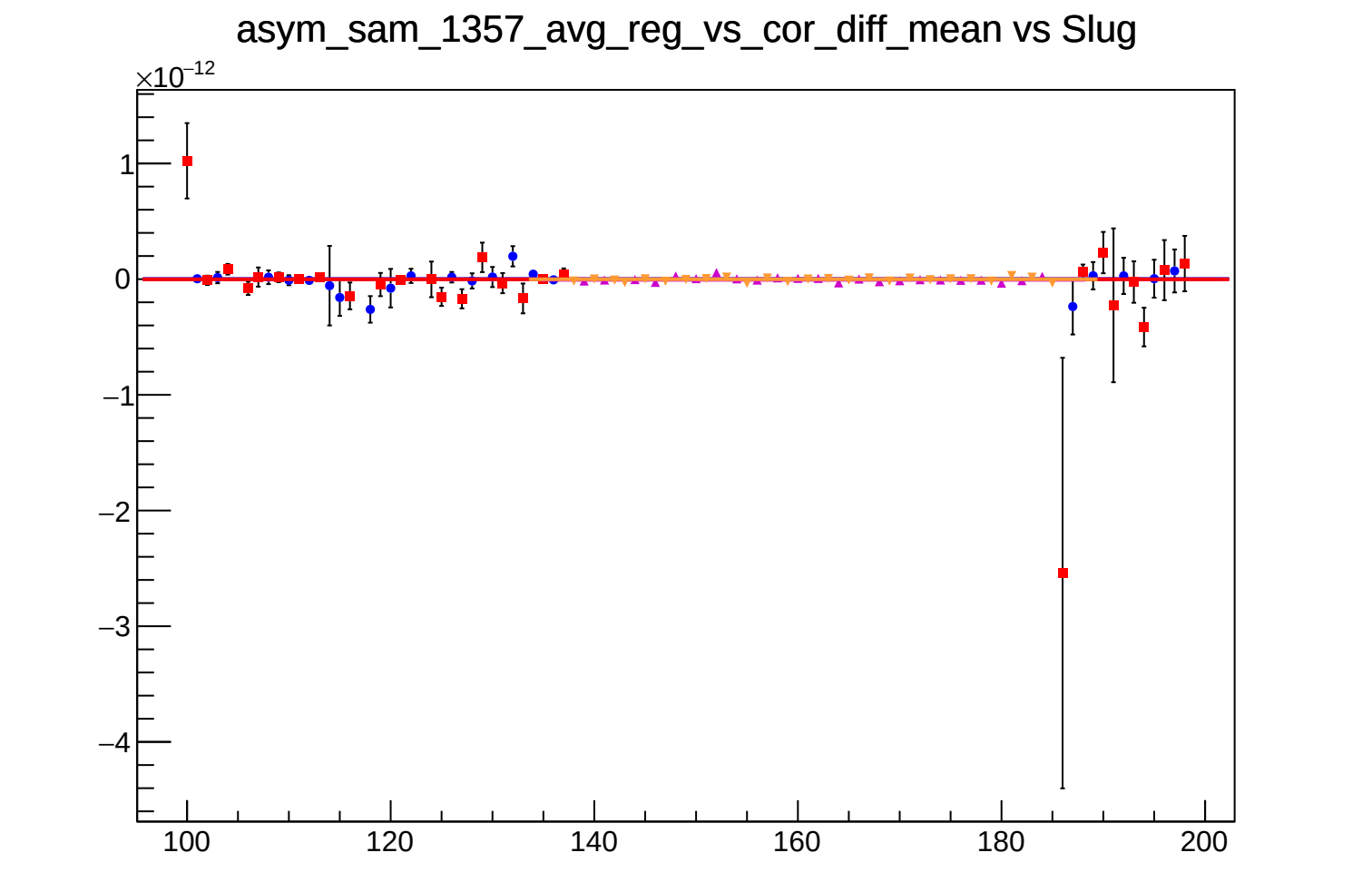
Right Out: 632.586+/-0.136 χ^2/NDF: 3591665.9/26

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 395.343+/-0.054 χ^2/NDF: 6135169.2/45

All: 398.748+/-0.039 χ^2/NDF: 14166088.8/95

- sign 402.250+/-0.055 χ^2/NDF: 8022879.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

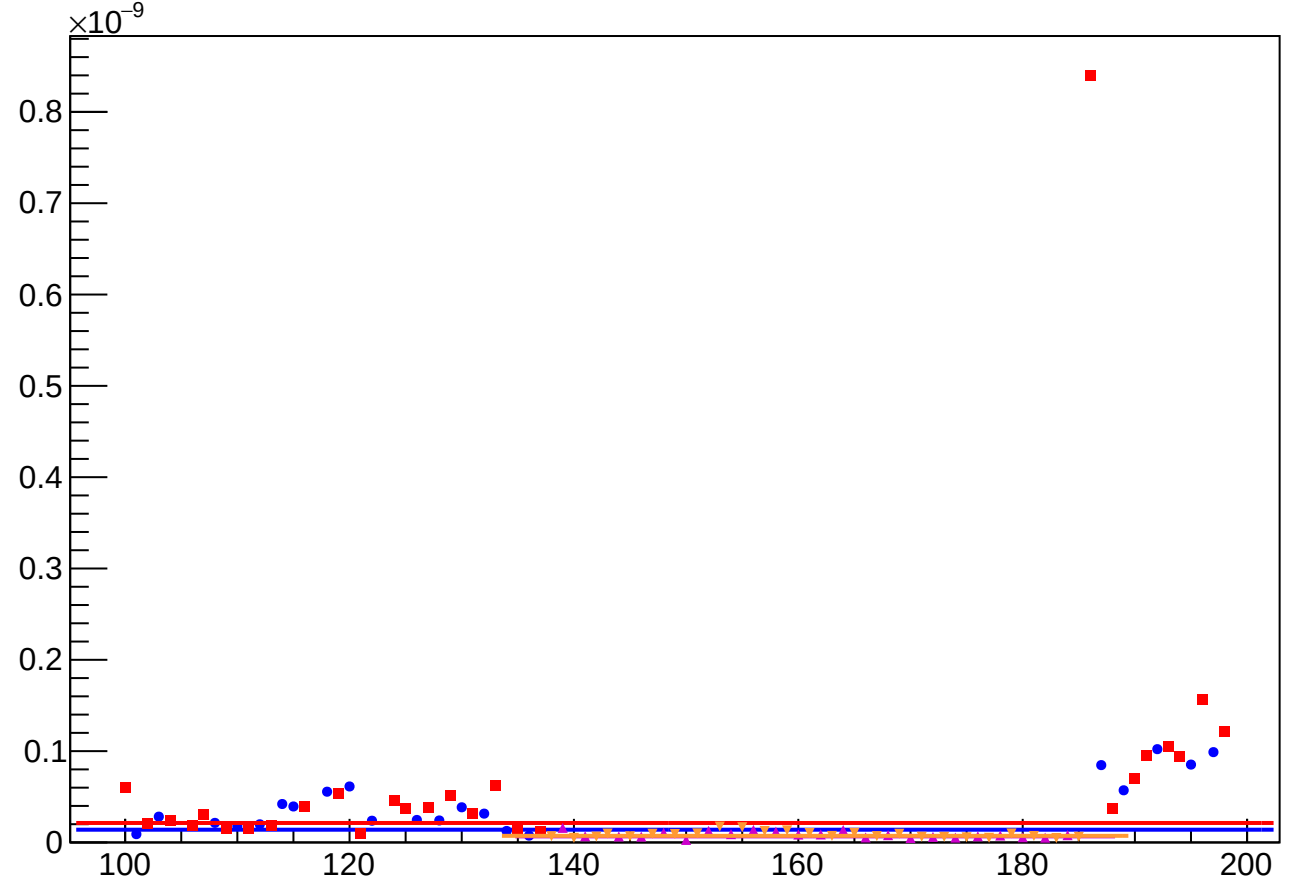
Right Out: -0.000+/-0.000 χ^2/NDF: 41.1/26

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.0/45

All: -0.000+/-0.000 χ^2/NDF: 104.2/95

- sign -0.000+/-0.000 χ^2/NDF: 69.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 3654442.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3802739.7/26

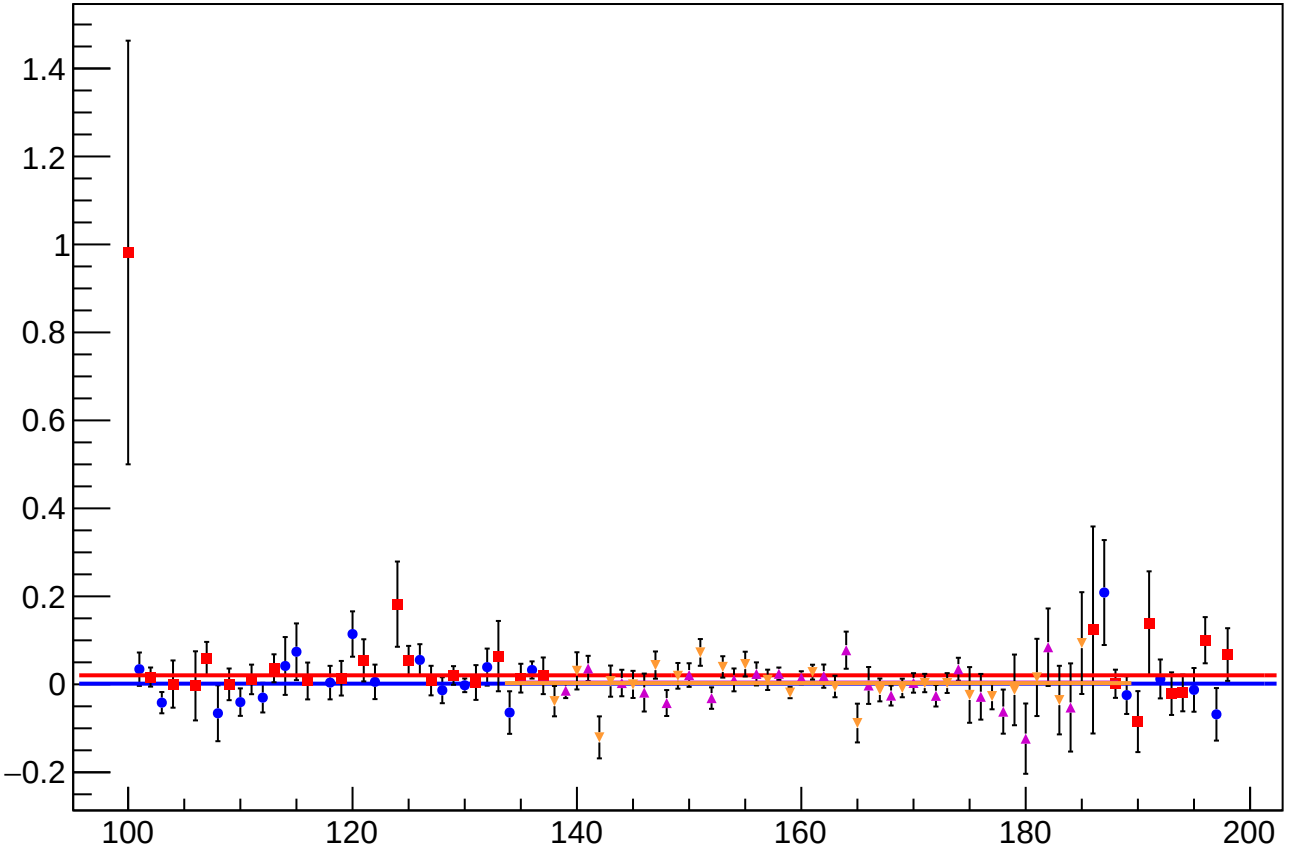
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6099537.2/45

All: 0.000+/-0.000 χ^2/NDF: 14583794.3/95

- sign 0.000+/-0.000 χ^2/NDF: 8460994.0/49

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.007 χ^2/NDF: 26.9/20

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.008 χ^2/NDF: 19.3/26

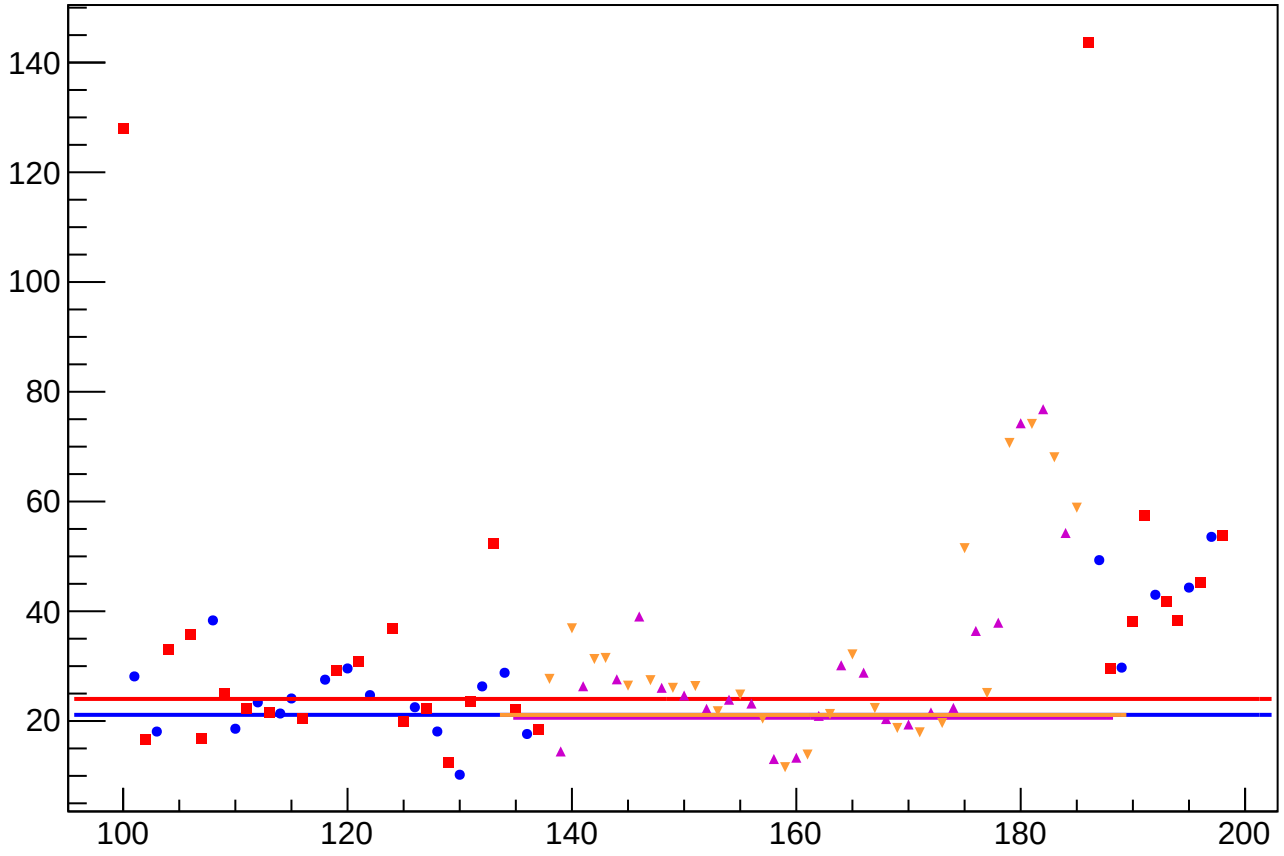
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 59.7/45

All: 0.006+/-0.003 χ^2/NDF: 107.9/95

- sign 0.009+/-0.004 χ^2/NDF: 47.0/49

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 21.123+/-0.005 χ^2/NDF: 3257762.3/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

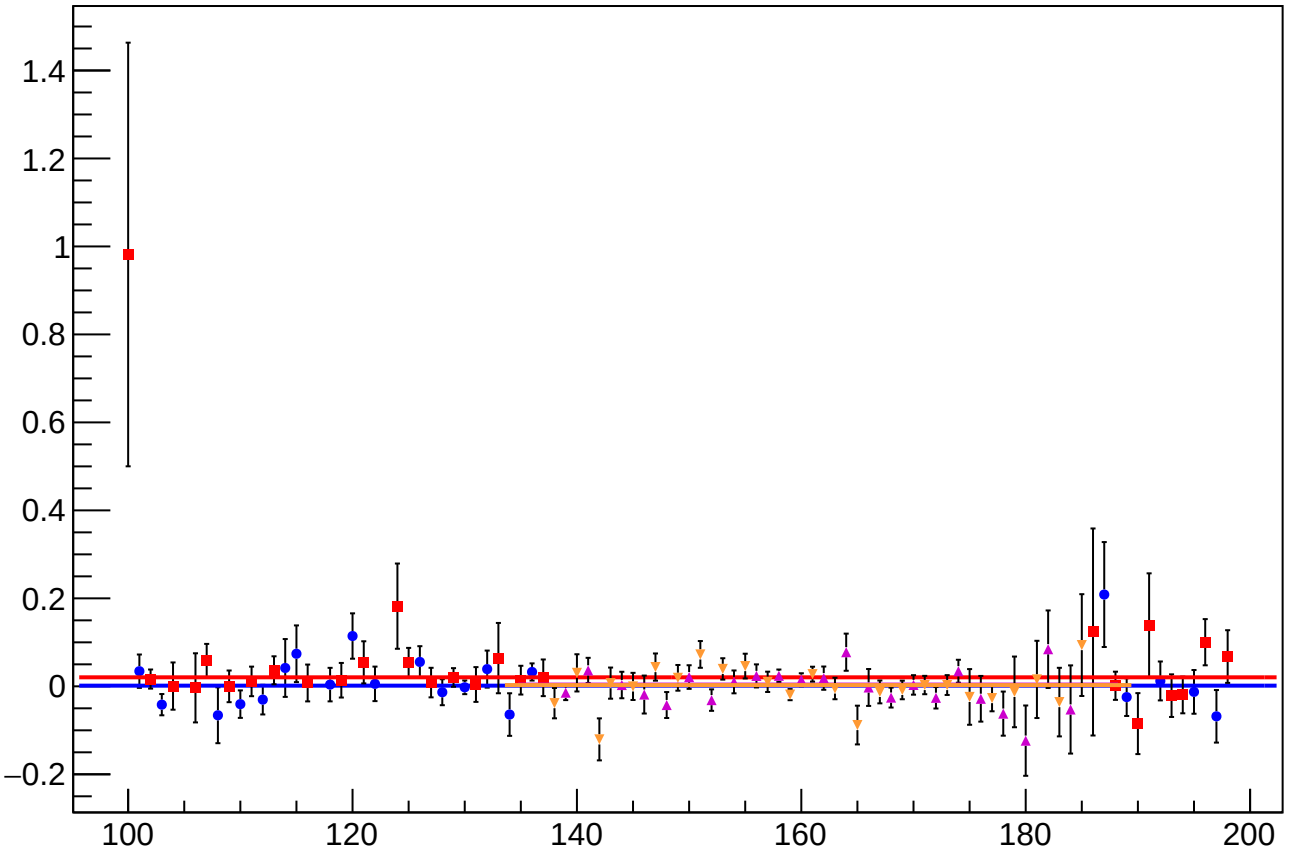
Right Out: 24.022+/-0.005 χ^2/NDF: 3727156.1/26

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.114+/-0.003 χ^2/NDF: 8804295.8/45

All: 21.421+/-0.002 χ^2/NDF: 17416308.5/95

- sign 21.735+/-0.003 χ^2/NDF: 8592224.0/49



Right In: 0.002+/-0.007 χ^2/NDF: 26.9/20

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

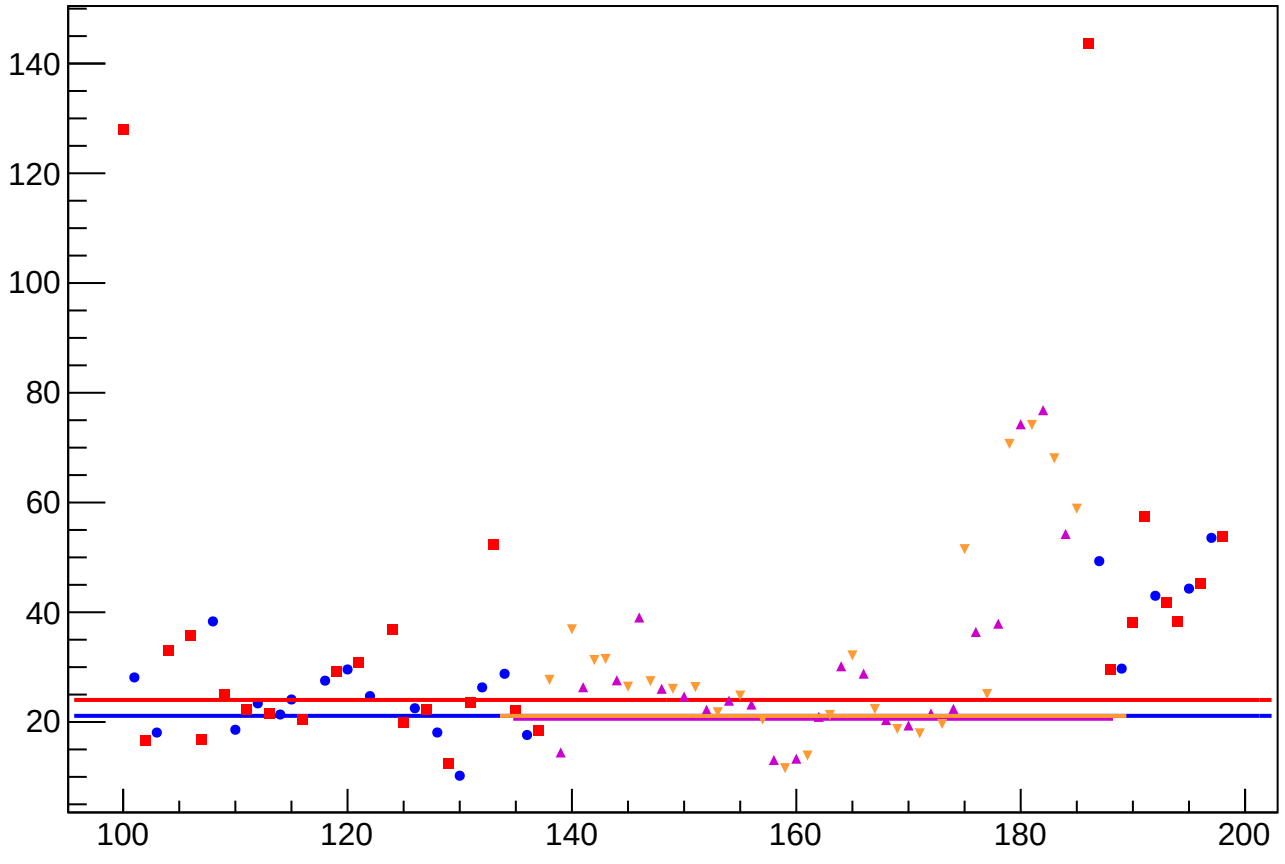
Right Out: 0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 59.7/45

All: 0.006+/-0.003 χ^2/NDF: 107.9/95

- sign 0.009+/-0.004 χ^2/NDF: 47.0/49



Right In: 21.123+/-0.005 χ^2/NDF: 3257762.3/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

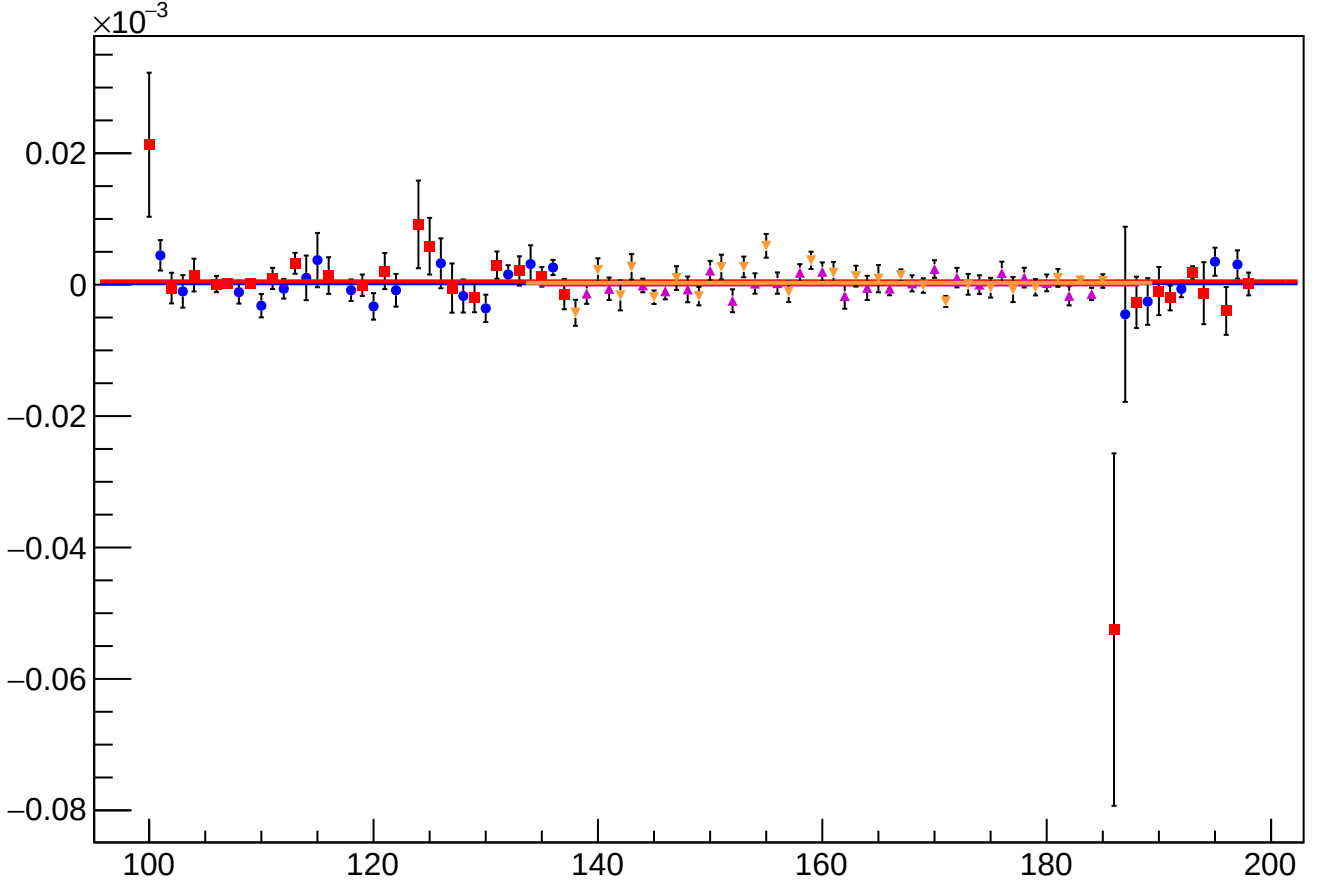
Right Out: 24.022+/-0.005 χ^2/NDF: 3727156.1/26

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.114+/-0.003 χ^2/NDF: 8804295.8/45

All: 21.421+/-0.002 χ^2/NDF: 17416308.5/95

- sign 21.735+/-0.003 χ^2/NDF: 8592224.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

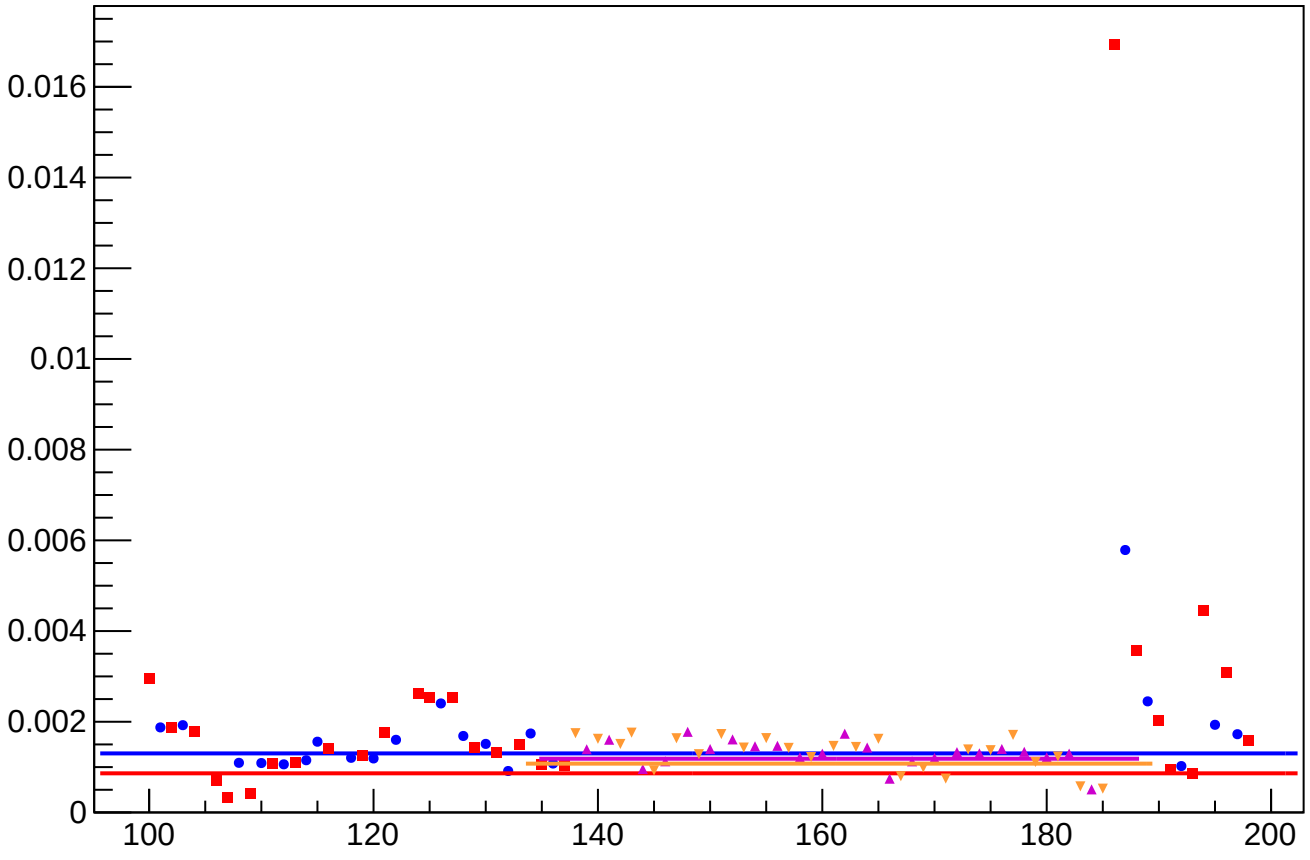
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/26

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

\+ sign 0.000+/-0.000 χ^2/NDF: 81.6/45

All: 0.000+/-0.000 χ^2/NDF: 128.3/95

\- sign 0.000+/-0.000 χ^2/NDF: 46.8/49



Right In: 0.001+/-0.000 χ^2/NDF: 1707213.0/20

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

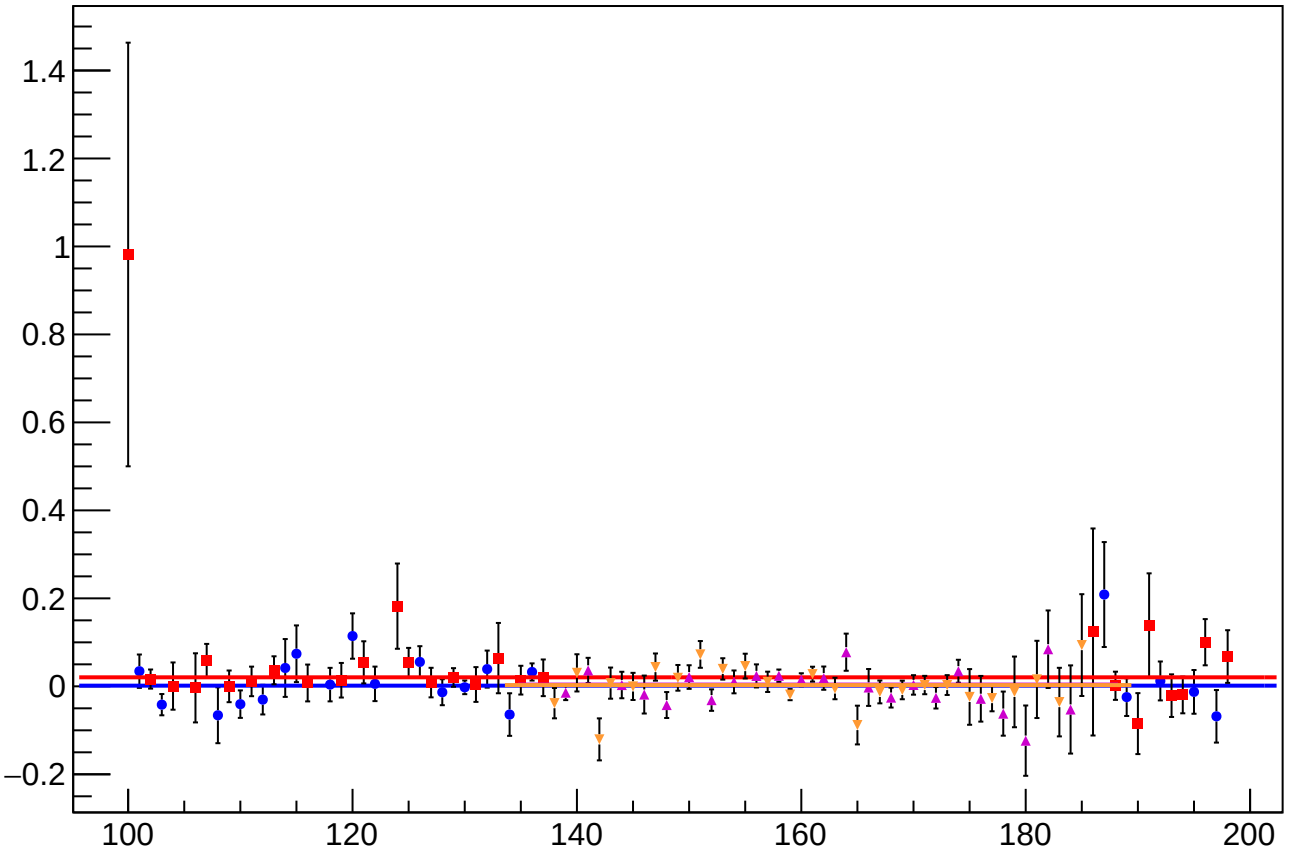
Right Out: 0.001+/-0.000 χ^2/NDF: 8990853.9/26

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 6650796.6/45

All: 0.001+/-0.000 χ^2/NDF: 19492009.7/95

- sign 0.001+/-0.000 χ^2/NDF: 12613225.9/49



Right In: 0.002+/-0.007 χ^2/NDF: 26.9/20

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.008 χ^2/NDF: 19.3/26

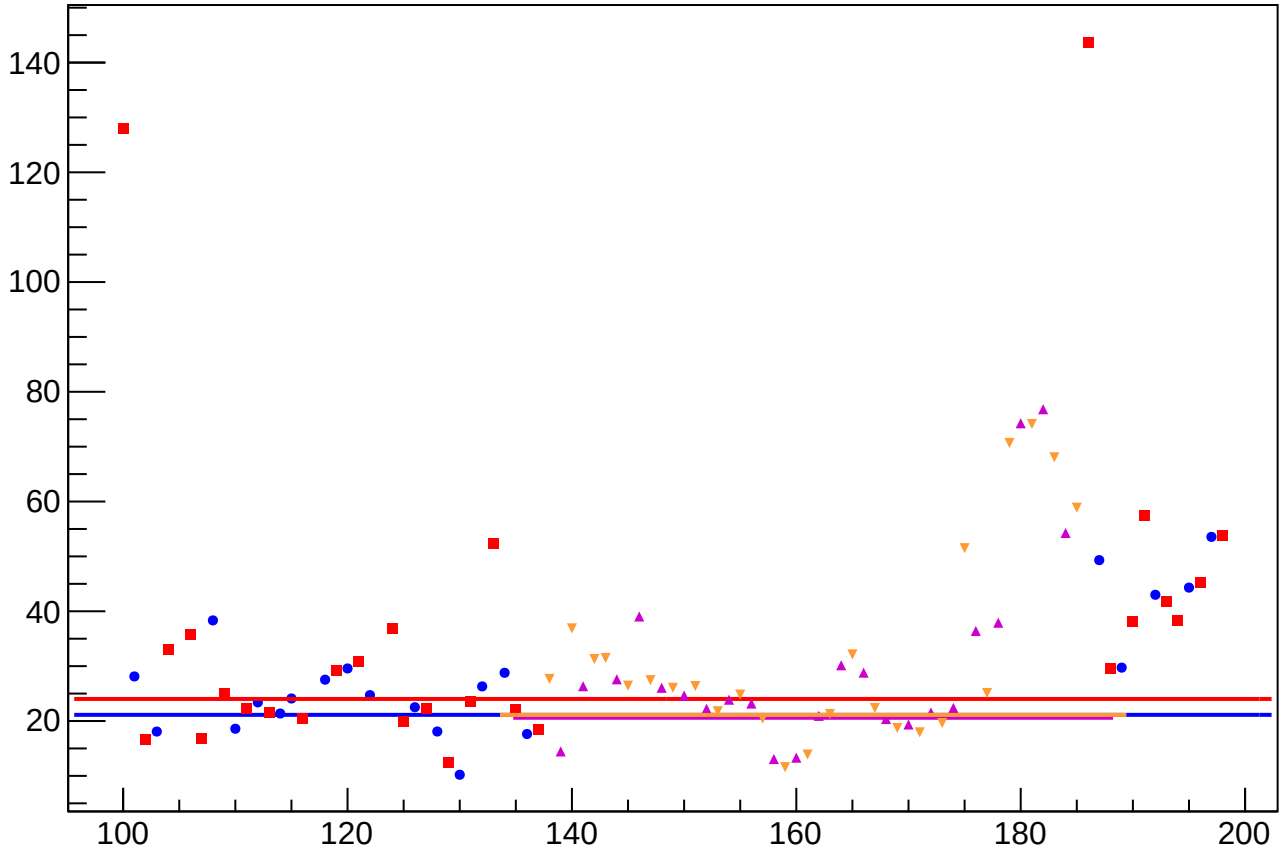
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 59.7/45

All: 0.006+/-0.003 χ^2/NDF: 107.9/95

- sign 0.009+/-0.004 χ^2/NDF: 47.0/49

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.124+/-0.005 χ^2/NDF: 3257568.8/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 24.022+/-0.005 χ^2/NDF: 3727127.8/26

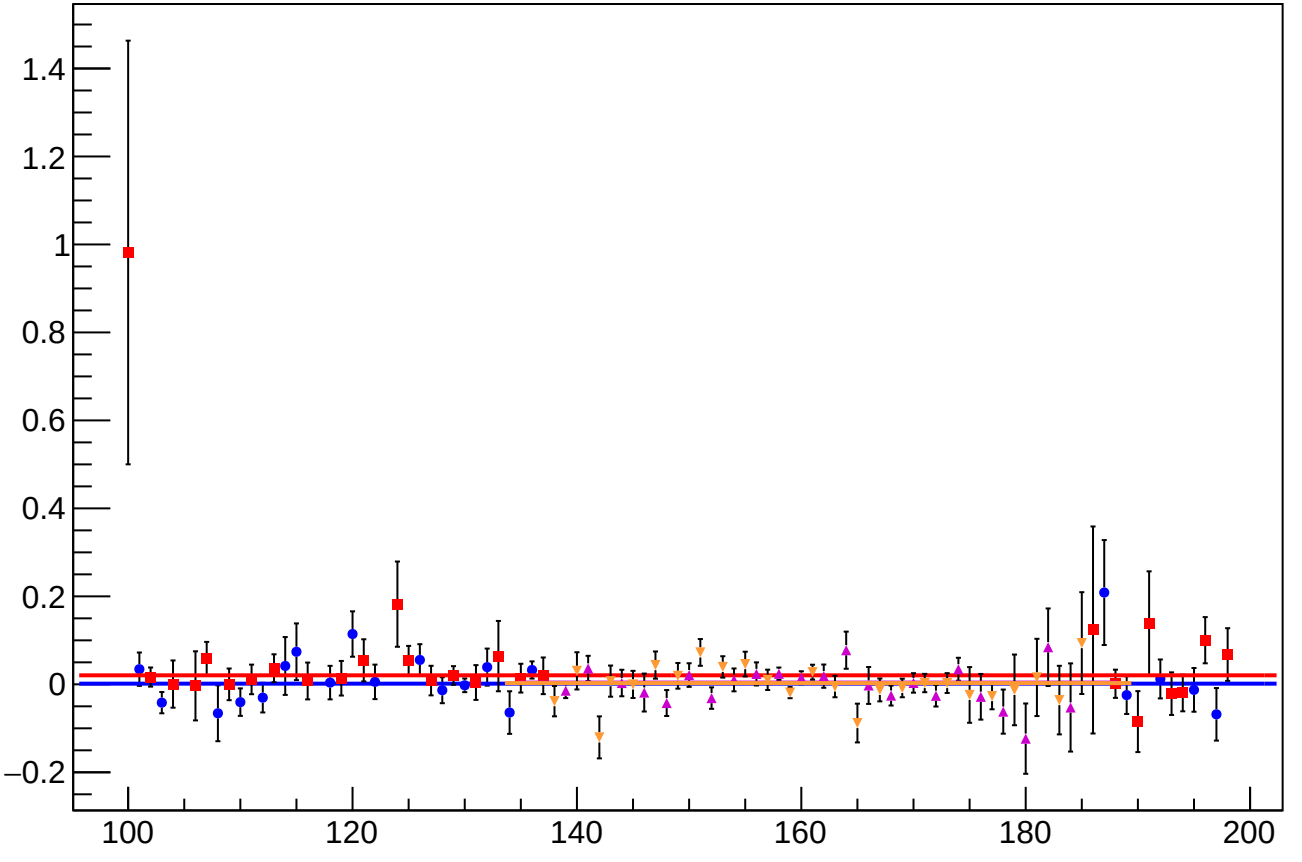
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

\+ sign 21.114+/-0.003 χ^2/NDF: 8804237.5/45

All: 21.421+/-0.002 χ^2/NDF: 17416223.9/95

\- sign 21.735+/-0.003 χ^2/NDF: 8592195.3/49

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.007 χ^2/NDF: 26.9/20

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

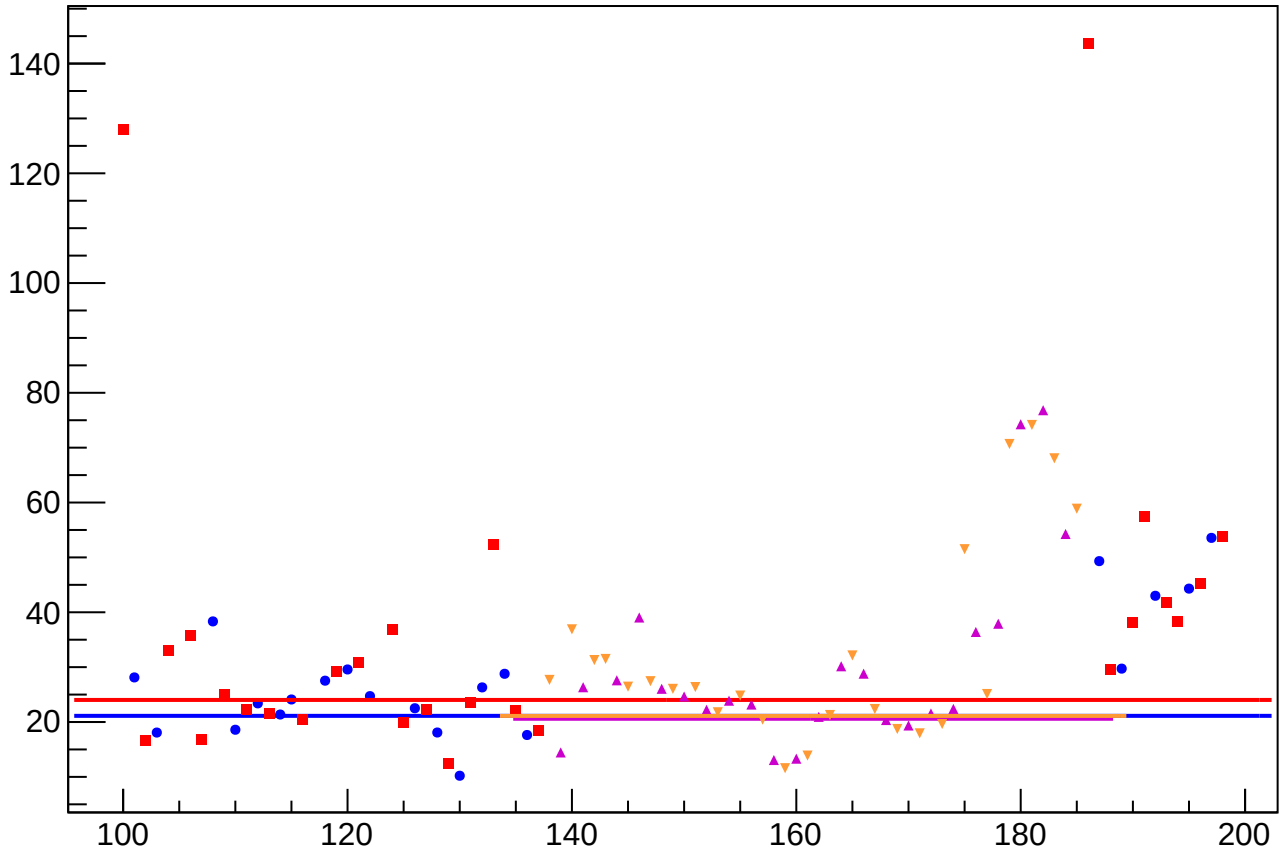
Right Out: 0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 59.7/45

All: 0.006+/-0.003 χ^2/NDF: 107.9/95

- sign 0.009+/-0.004 χ^2/NDF: 47.0/49



Right In: 21.124+/-0.005 χ^2/NDF: 3257568.8/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

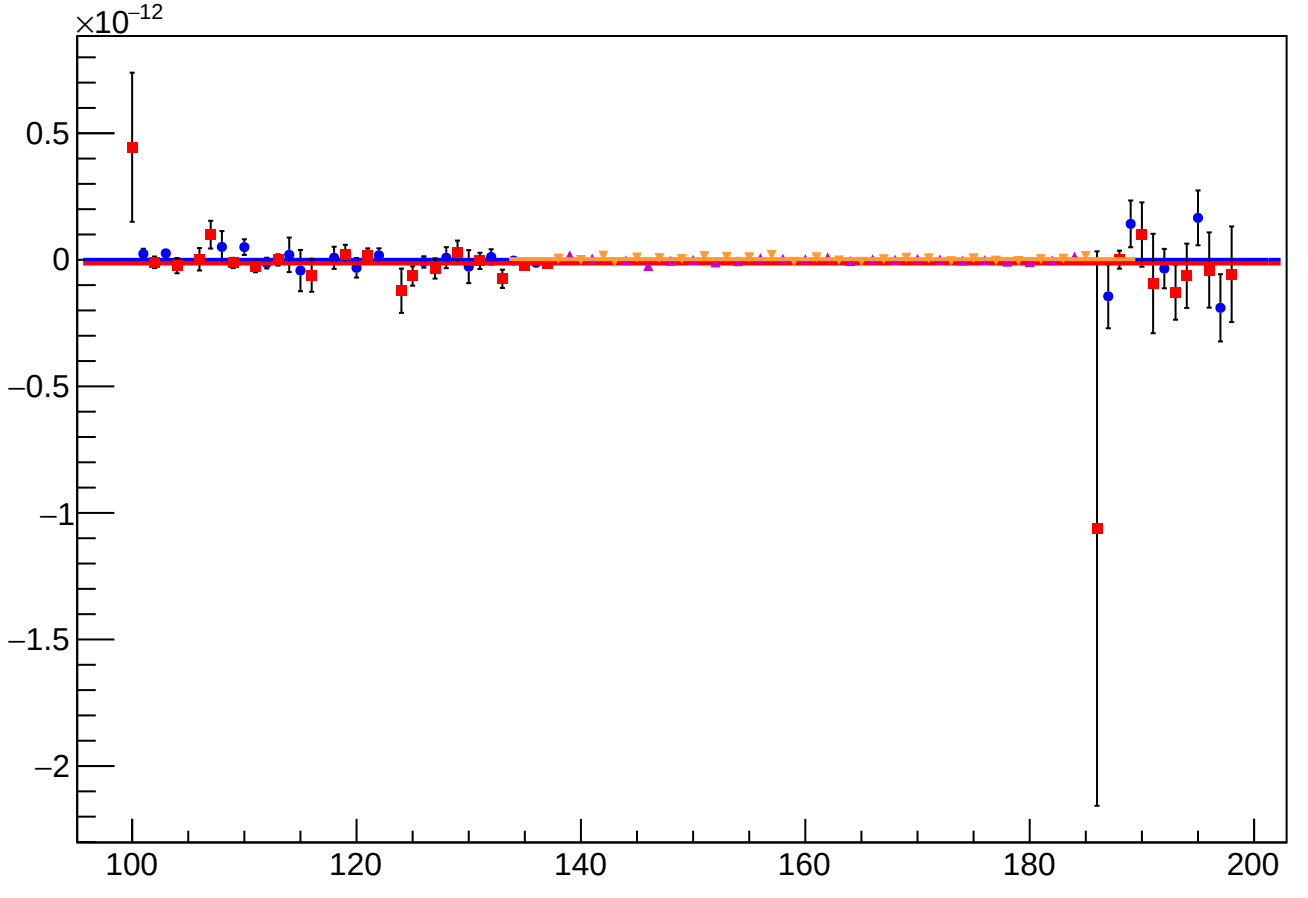
Right Out: 24.022+/-0.005 χ^2/NDF: 3727127.8/26

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.114+/-0.003 χ^2/NDF: 8804237.5/45

All: 21.421+/-0.002 χ^2/NDF: 17416223.9/95

- sign 21.735+/-0.003 χ^2/NDF: 8592195.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

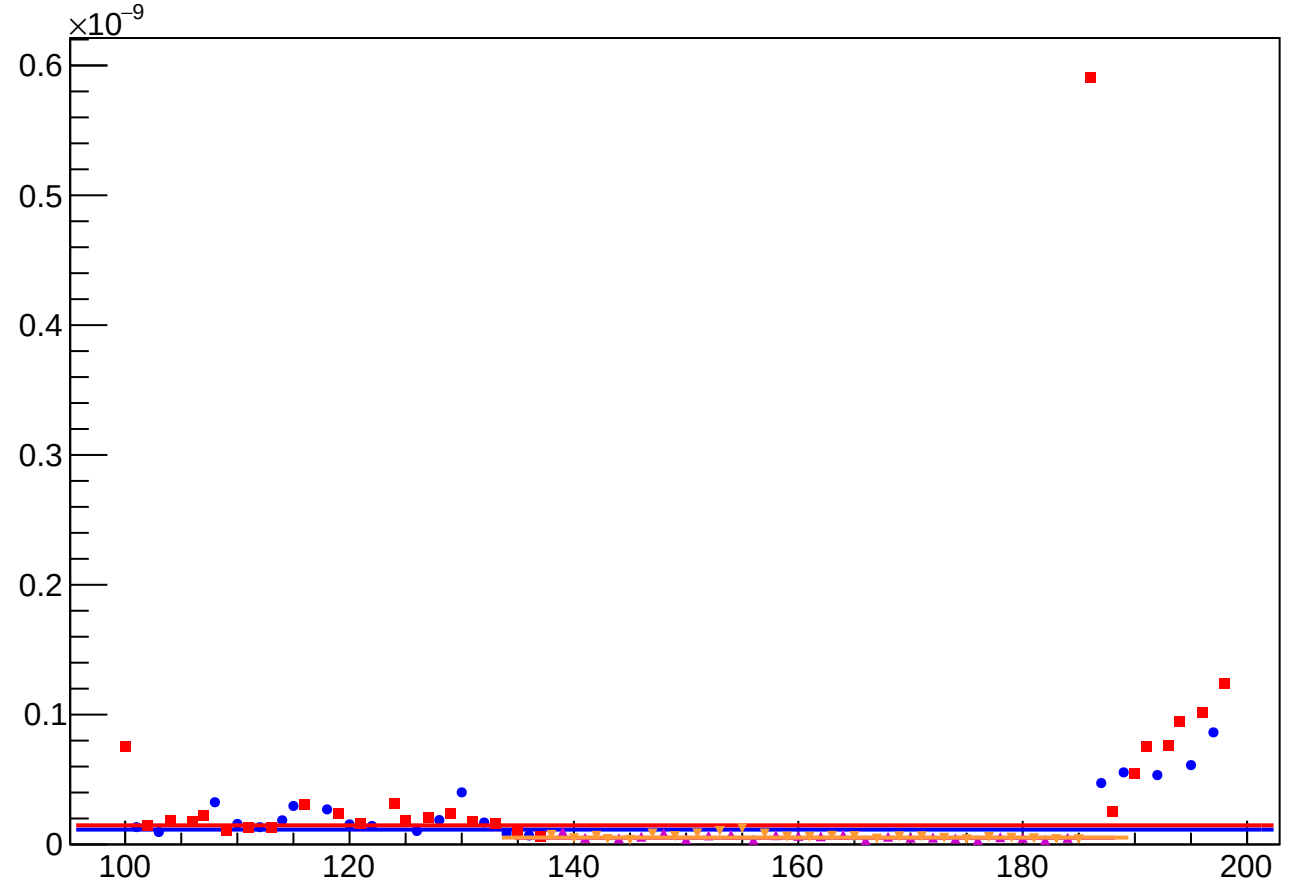
Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/26

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.6/45

All: 0.000+/-0.000 χ^2/NDF: 89.9/95

- sign -0.000+/-0.000 χ^2/NDF: 46.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 4123403.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5387924.5/26

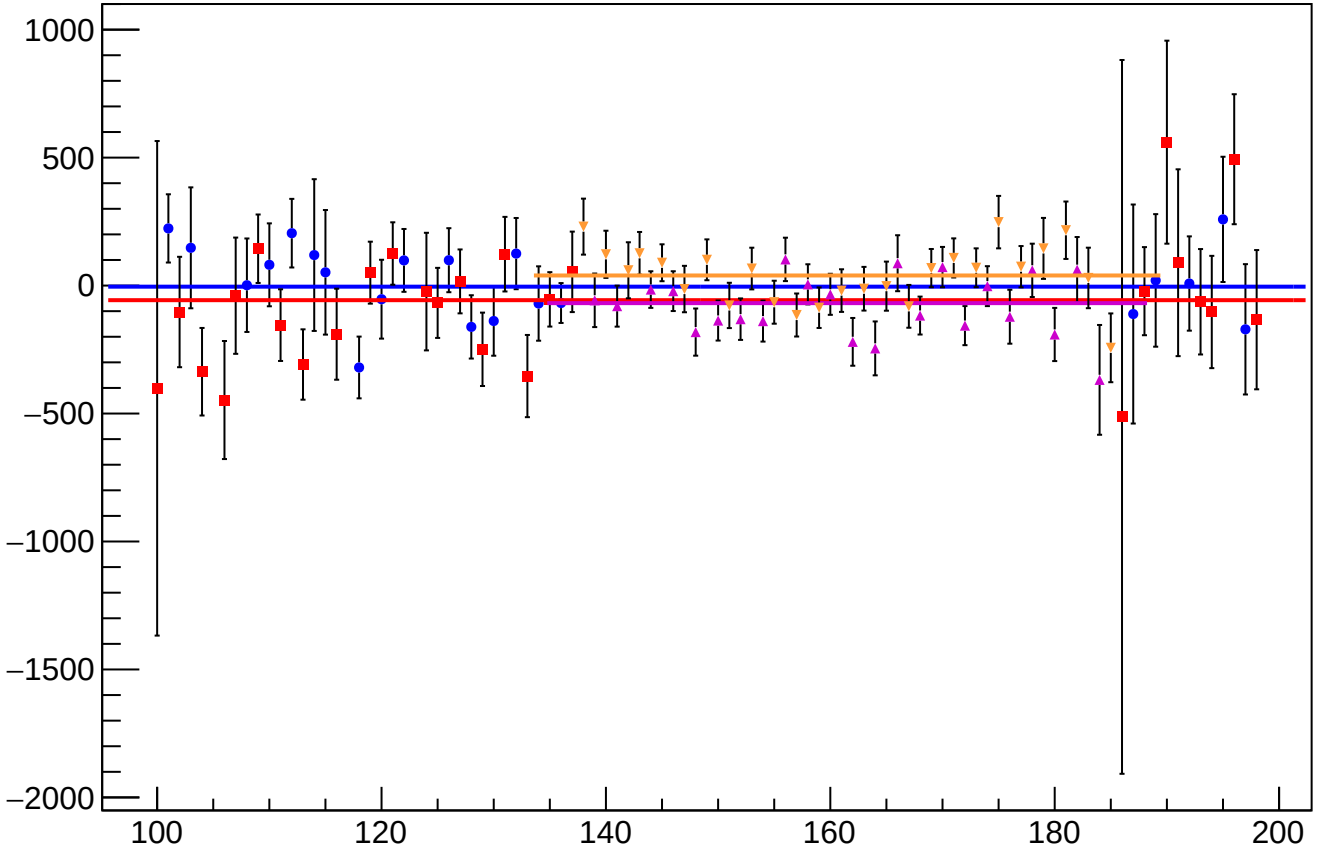
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8466675.4/45

All: 0.000+/-0.000 χ^2/NDF: 19857296.1/95

- sign 0.000+/-0.000 χ^2/NDF: 11386621.1/49

reg_asym_sam_2468_avg_mean vs Slug



Right In: -4.252+/-32.745 χ^2/NDF: 20.6/20

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -57.058+/-32.559 χ^2/NDF: 30.5/26

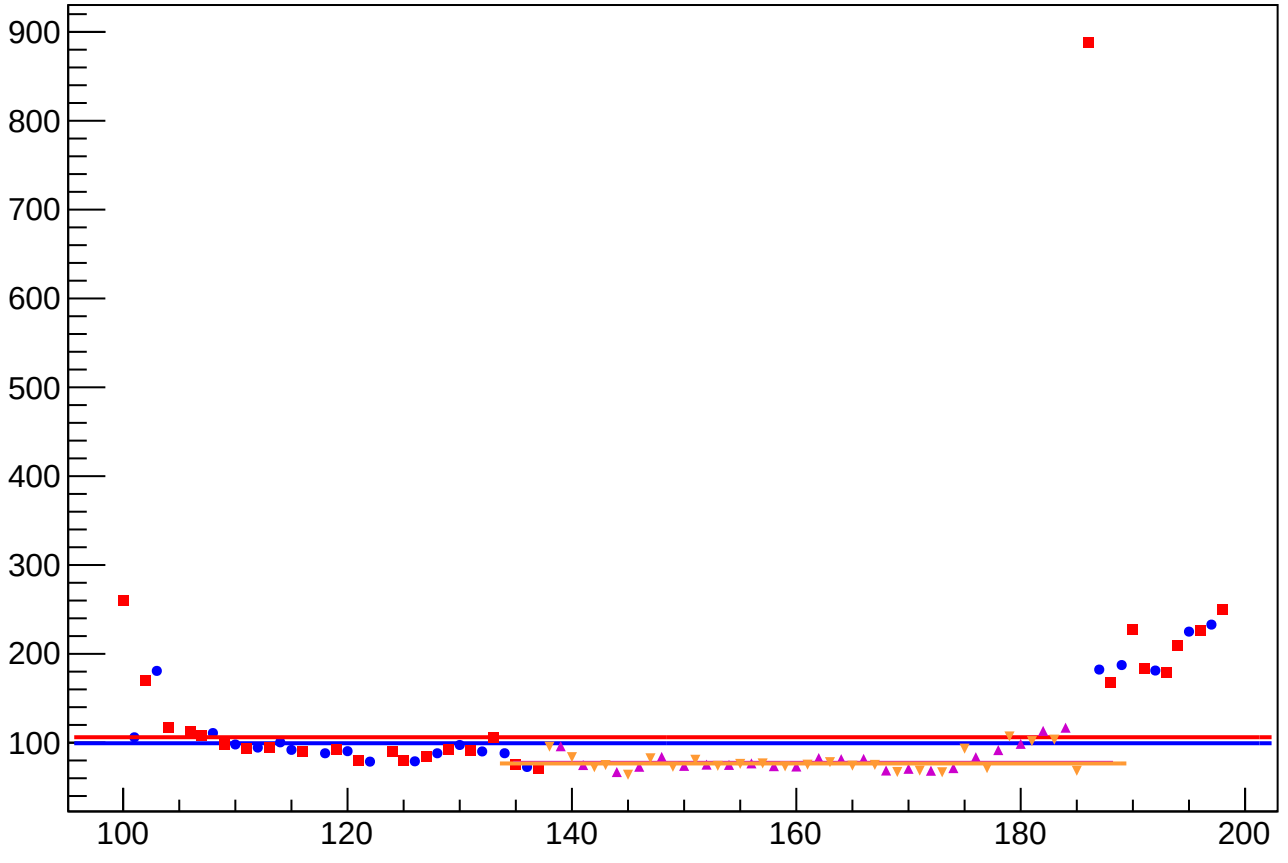
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.619+/-15.548 χ^2/NDF: 53.9/45

All: -16.849+/-11.138 χ^2/NDF: 131.9/95

- sign -65.840+/-15.964 χ^2/NDF: 59.6/49

reg_asym_sam_2468_avg_rms vs Slug



Right In: 99.400+/-0.023 χ^2/NDF: 2439370.1/20

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

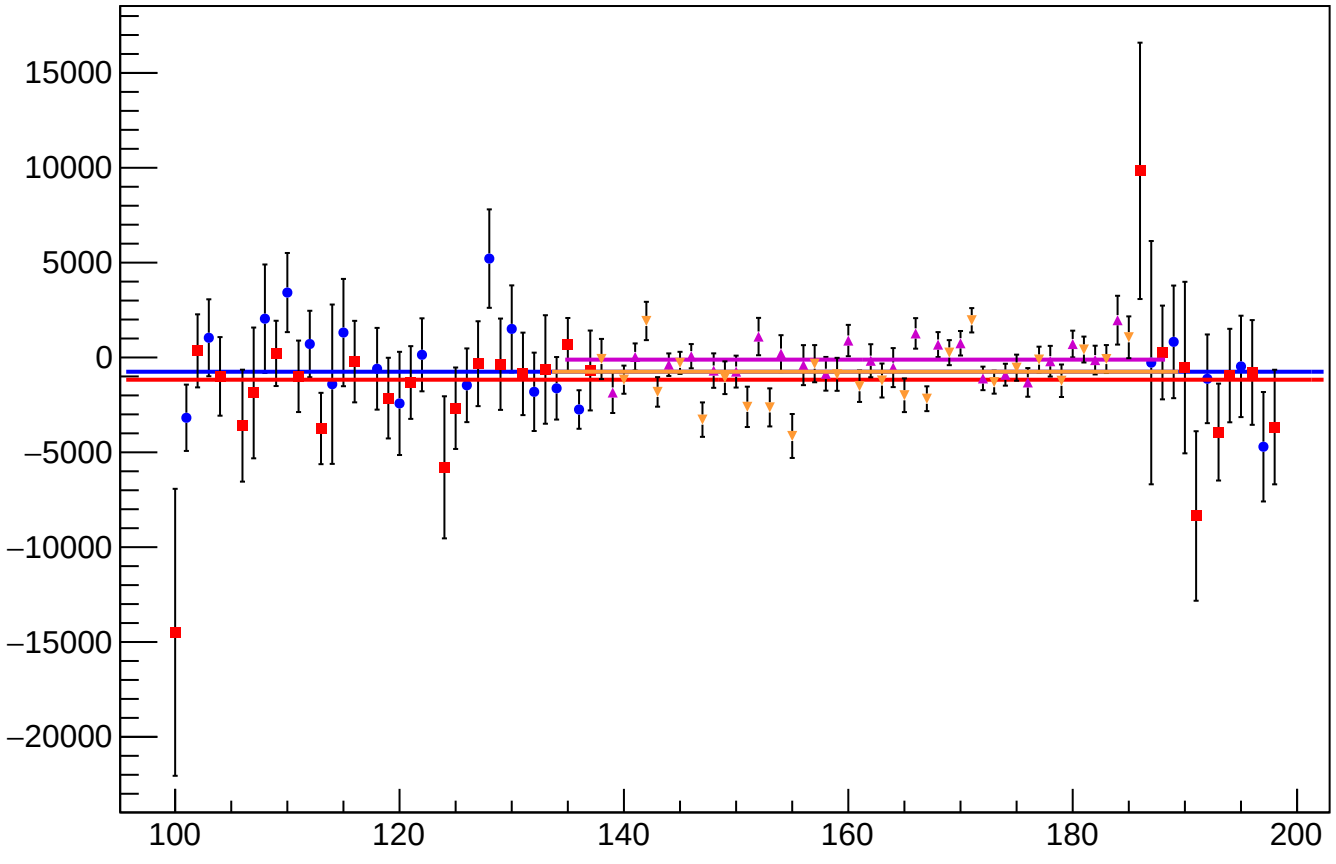
Right Out: 106.170+/-0.023 χ^2/NDF: 3728218.4/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 81.776+/-0.011 χ^2/NDF: 3841975.1/45

All: 82.994+/-0.008 χ^2/NDF: 9376237.5/95

- sign 84.277+/-0.011 χ^2/NDF: 5509069.4/49



Right In: -751.621+/-456.137 χ^2/NDF: 22.5/20

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1172.641+/-451.641 χ^2/NDF: 19.0/26

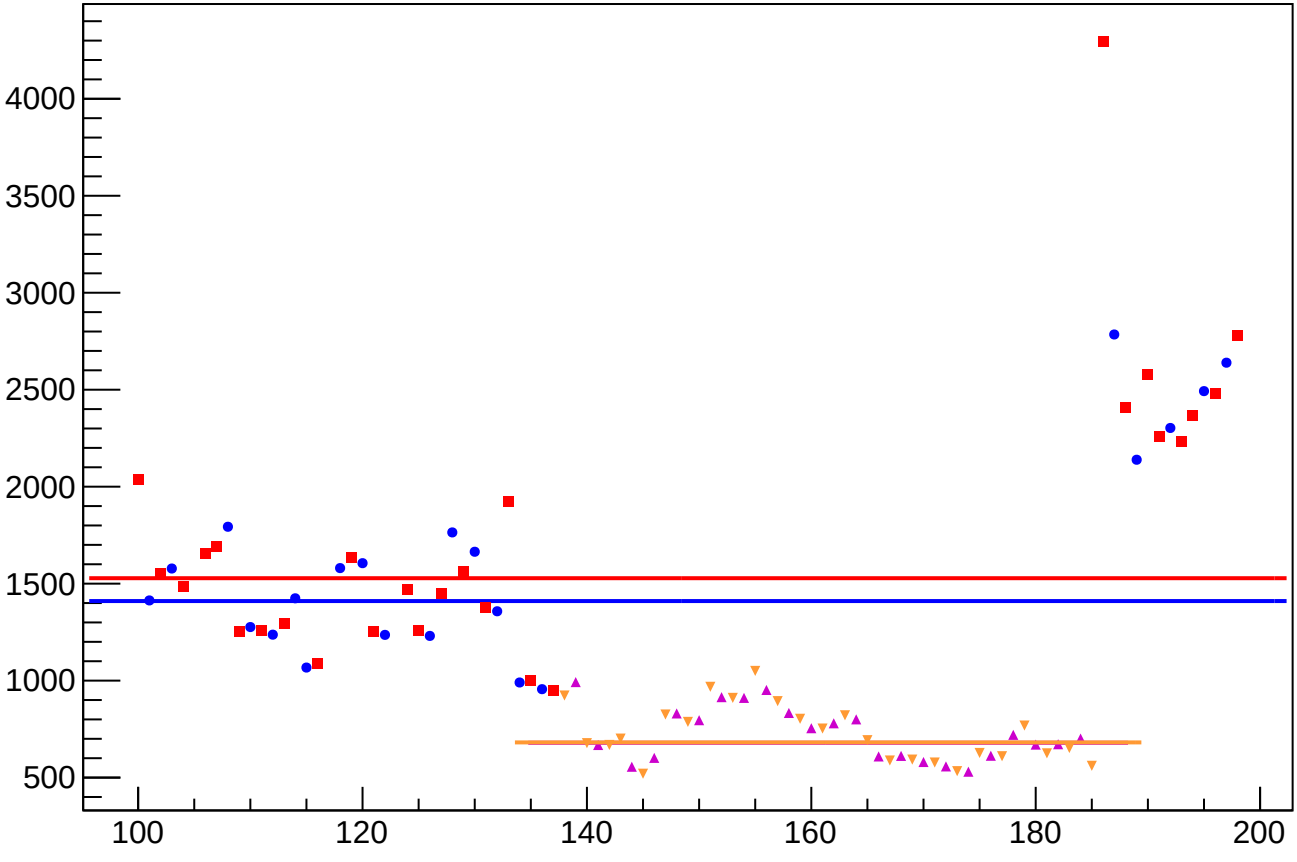
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -749.853+/-149.365 χ^2/NDF: 92.5/45

All: -497.113+/-106.649 χ^2/NDF: 147.2/95

- sign -234.248+/-152.328 χ^2/NDF: 48.9/49

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1410.249+/-0.323 χ^2/NDF: 1950781.4/20

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1528.092+/-0.319 χ^2/NDF: 2503666.4/26

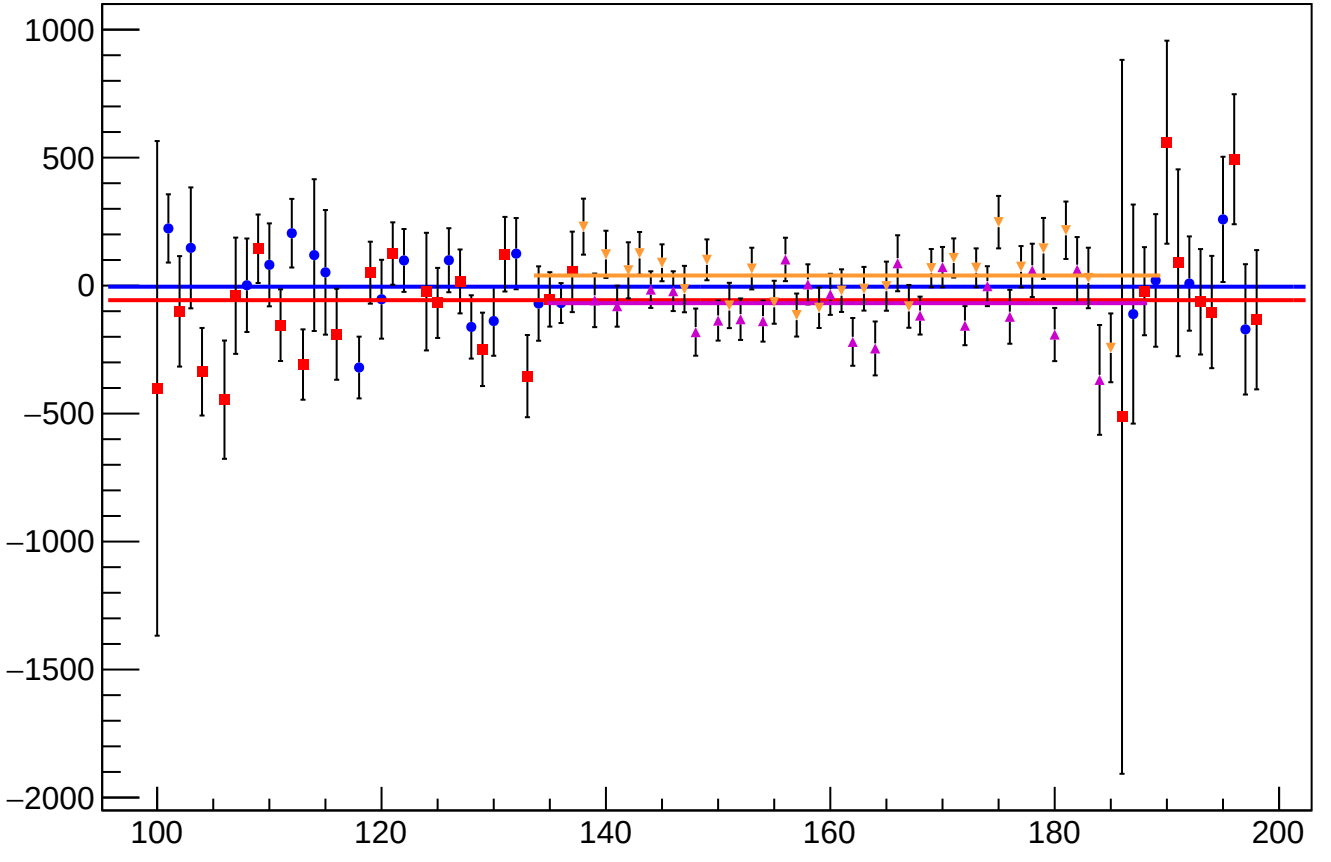
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 759.577+/-0.106 χ^2/NDF: 7843500.7/45

All: 767.605+/-0.075 χ^2/NDF: 17802913.1/95

- sign 775.955+/-0.108 χ^2/NDF: 9947624.5/49

cor_asym_sam_2468_avg_mean vs Slug



Right In: -4.261+/-32.745 χ^2/NDF: 20.6/20

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -56.931+/-32.561 χ^2/NDF: 30.5/26

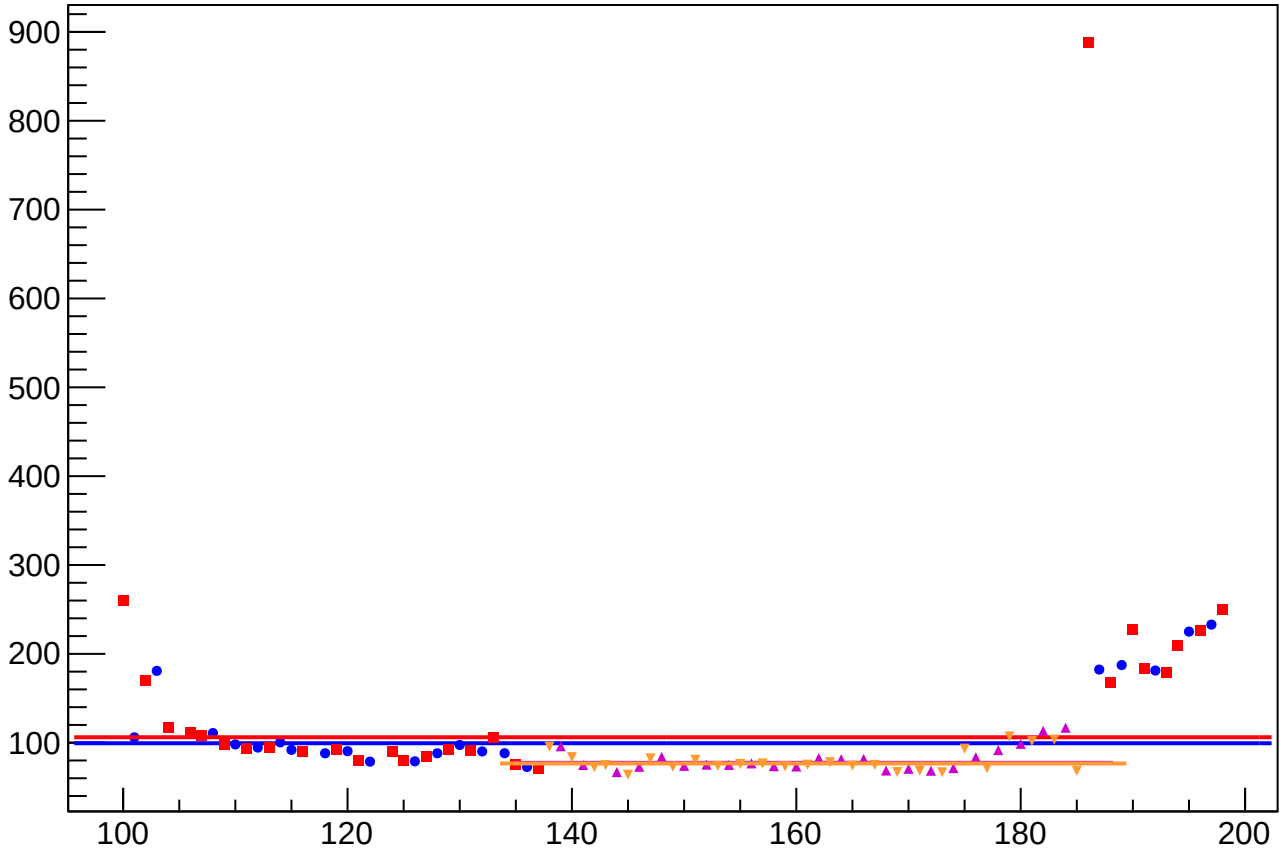
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.622+/-15.548 χ^2/NDF: 53.9/45

All: -16.832+/-11.138 χ^2/NDF: 131.9/95

- sign -65.810+/-15.964 χ^2/NDF: 59.6/49

cor_asym_sam_2468_avg_rms vs Slug



Right In: 99.400+/-0.023 χ^2/NDF: 2439373.7/20

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

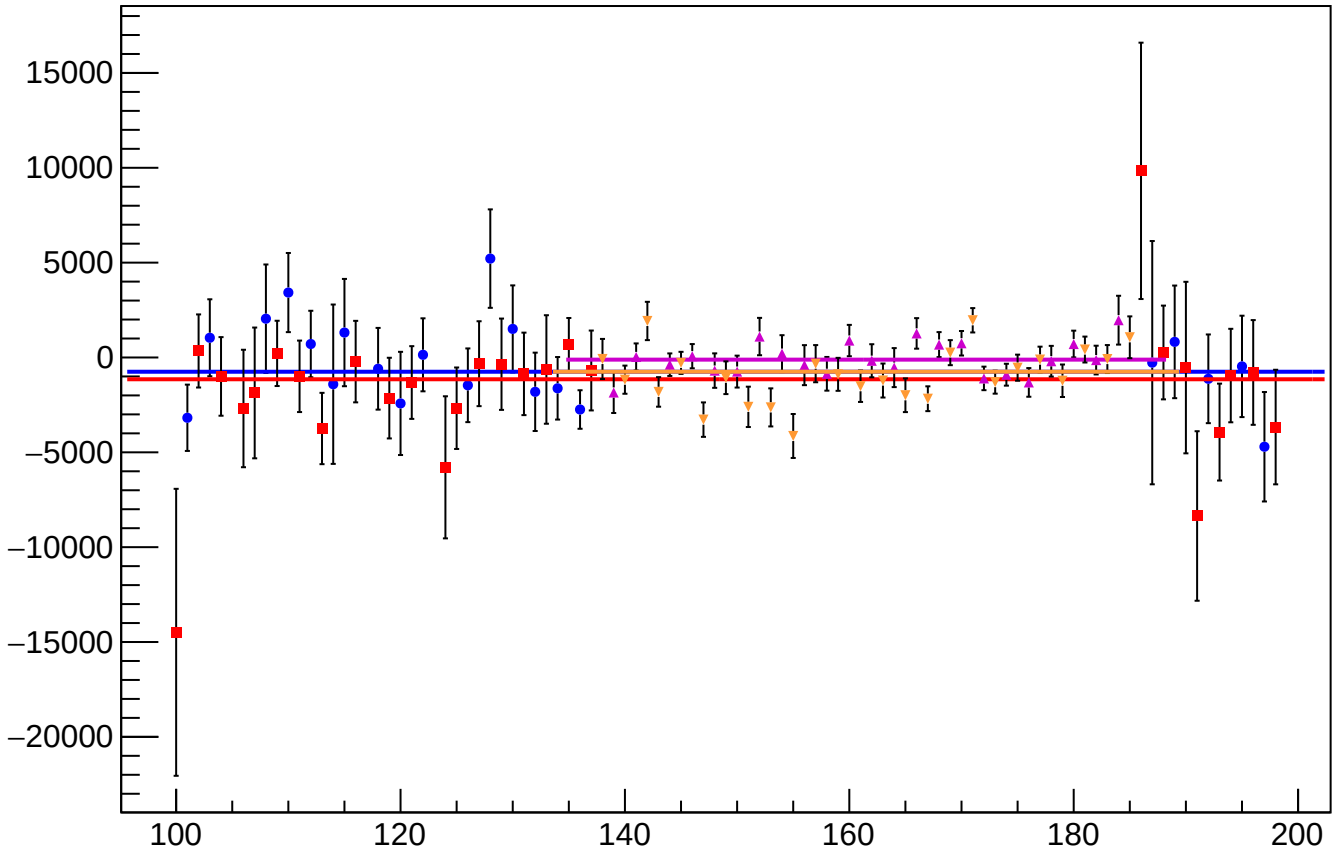
Right Out: 106.144+/-0.023 χ^2/NDF: 3727881.5/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 81.776+/-0.011 χ^2/NDF: 3841978.7/45

All: 82.990+/-0.008 χ^2/NDF: 9373503.6/95

- sign 84.270+/-0.011 χ^2/NDF: 5506469.8/49



Right In: -751.592+/-456.139 χ^2/NDF: 22.5/20

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -1148.591+/-452.144 χ^2/NDF: 18.5/26

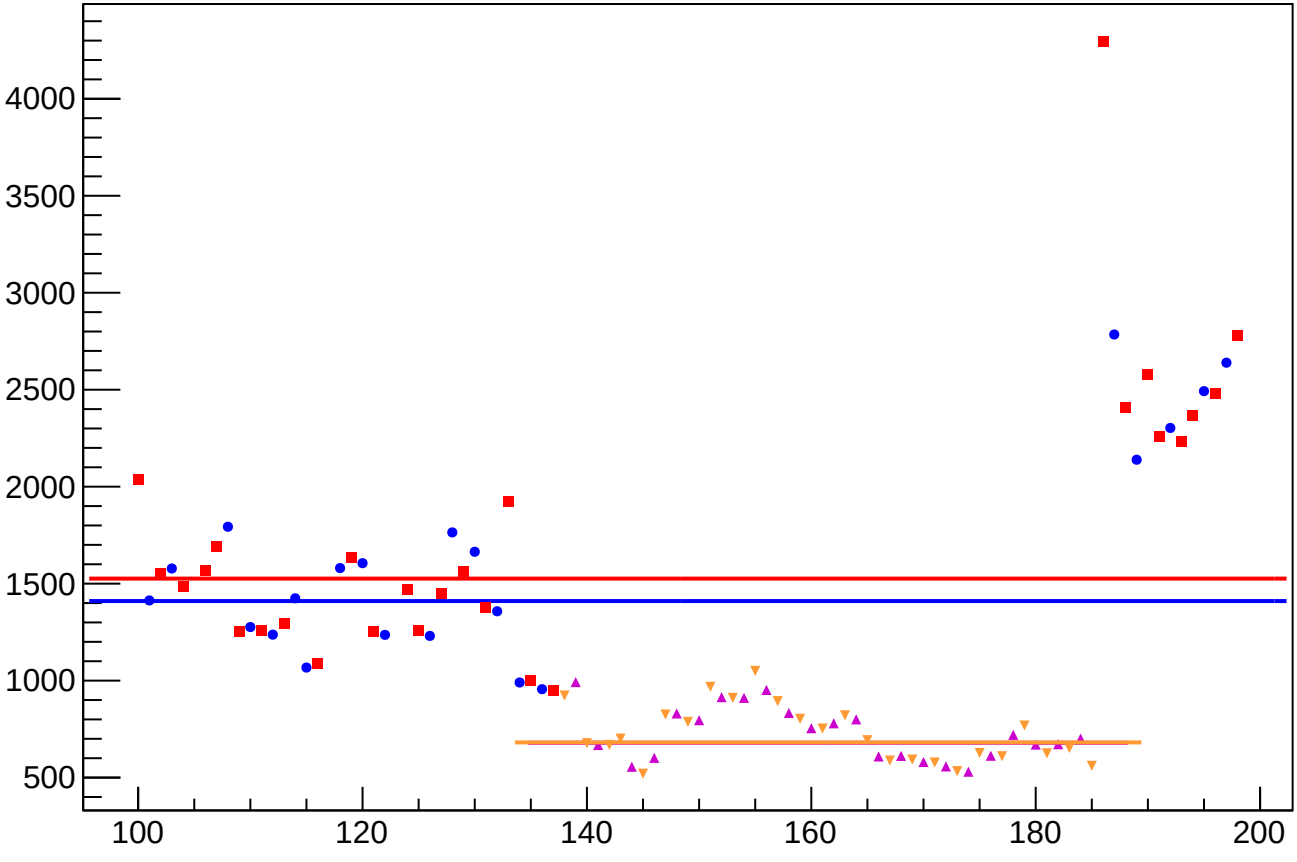
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -749.842+/-149.365 χ^2/NDF: 92.5/45

All: -495.686+/-106.656 χ^2/NDF: 146.6/95

- sign -231.281+/-152.347 χ^2/NDF: 48.2/49

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1410.253+/-0.323 χ^2/NDF: 1950799.8/20

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1526.031+/-0.320 χ^2/NDF: 2500289.9/26

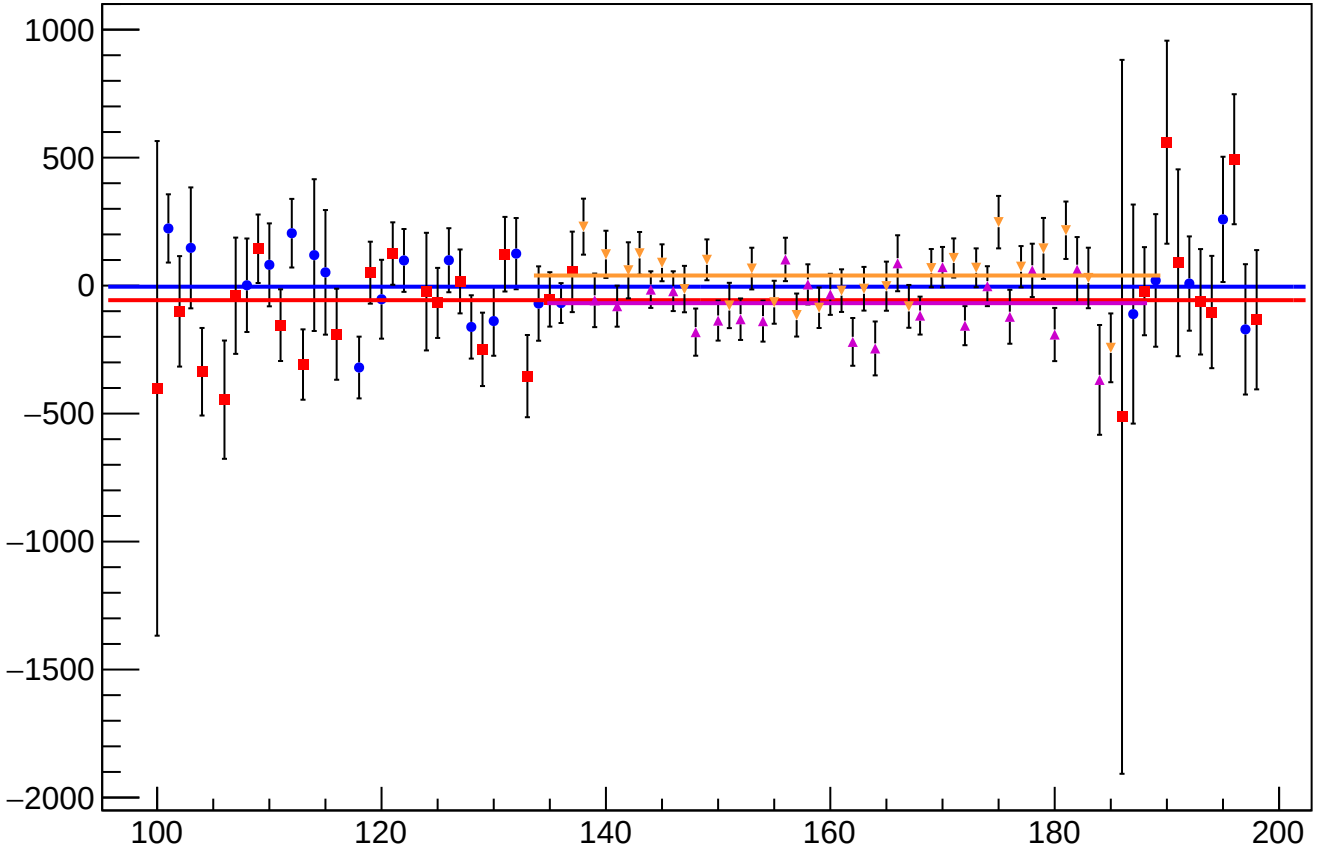
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 759.577+/-0.106 χ^2/NDF: 7843543.9/45

All: 767.396+/-0.075 χ^2/NDF: 17756327.5/95

- sign 775.531+/-0.108 χ^2/NDF: 9901599.2/49

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -4.261+/-32.745 χ^2/NDF: 20.6/20

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -56.931+/-32.561 χ^2/NDF: 30.5/26

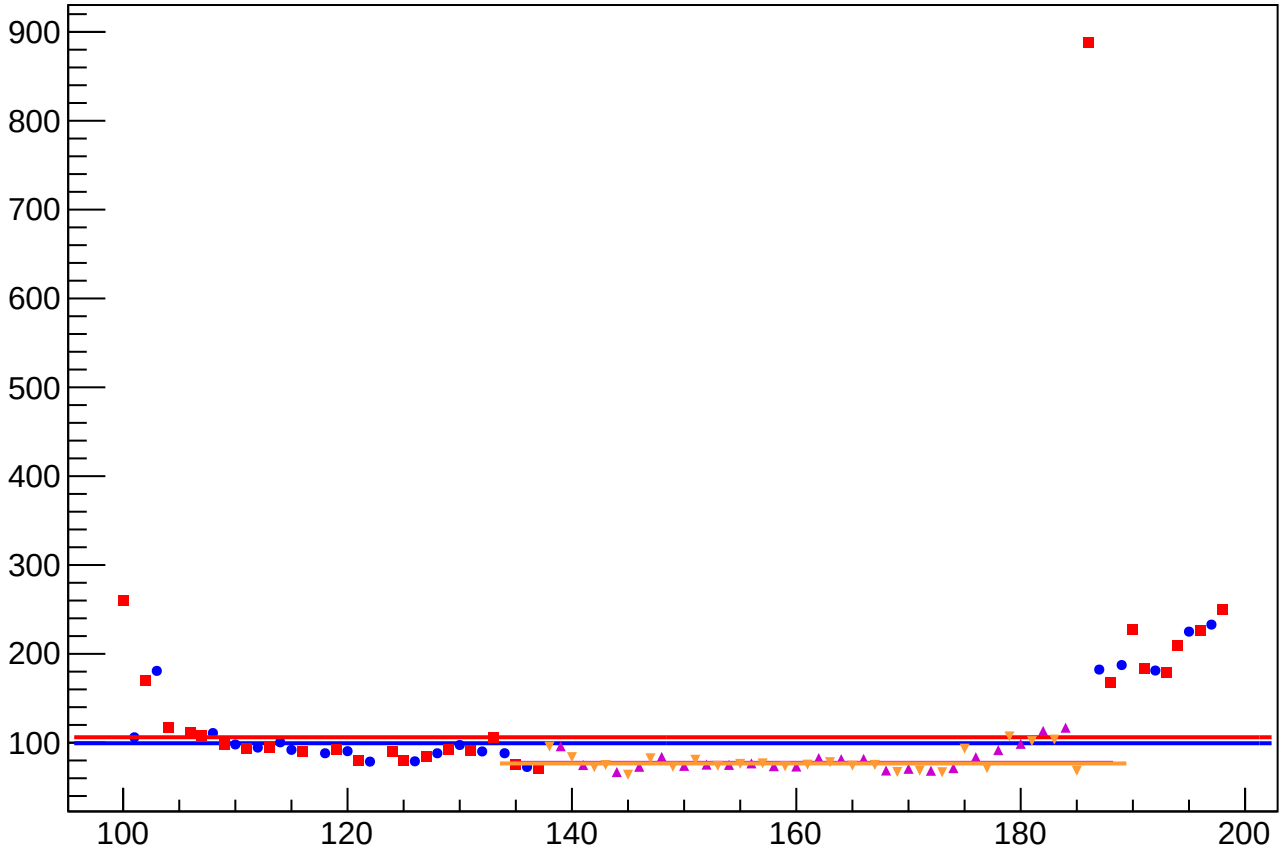
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.622+/-15.548 χ^2/NDF: 53.9/45

All: -16.832+/-11.138 χ^2/NDF: 131.9/95

- sign -65.810+/-15.964 χ^2/NDF: 59.6/49

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 99.400+/-0.023 χ^2/NDF: 2439373.7/20

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

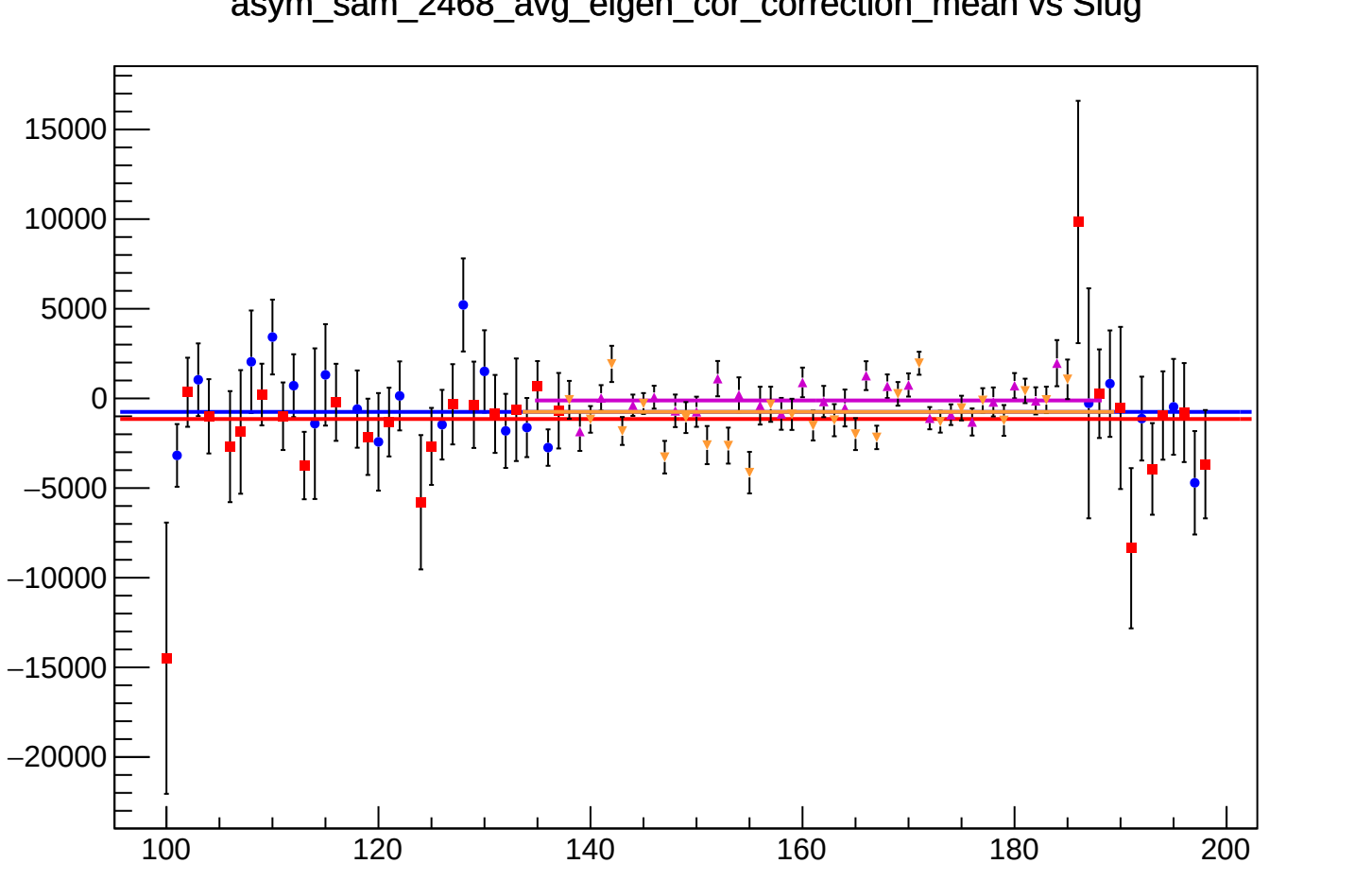
Right Out: 106.144+/-0.023 χ^2/NDF: 3727881.5/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 81.776+/-0.011 χ^2/NDF: 3841978.7/45

All: 82.990+/-0.008 χ^2/NDF: 9373503.6/95

- sign 84.270+/-0.011 χ^2/NDF: 5506469.8/49



Right In: -751.592+/-456.139 χ^2/NDF: 22.5/20

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -1148.591+/-452.144 χ^2/NDF: 18.5/26

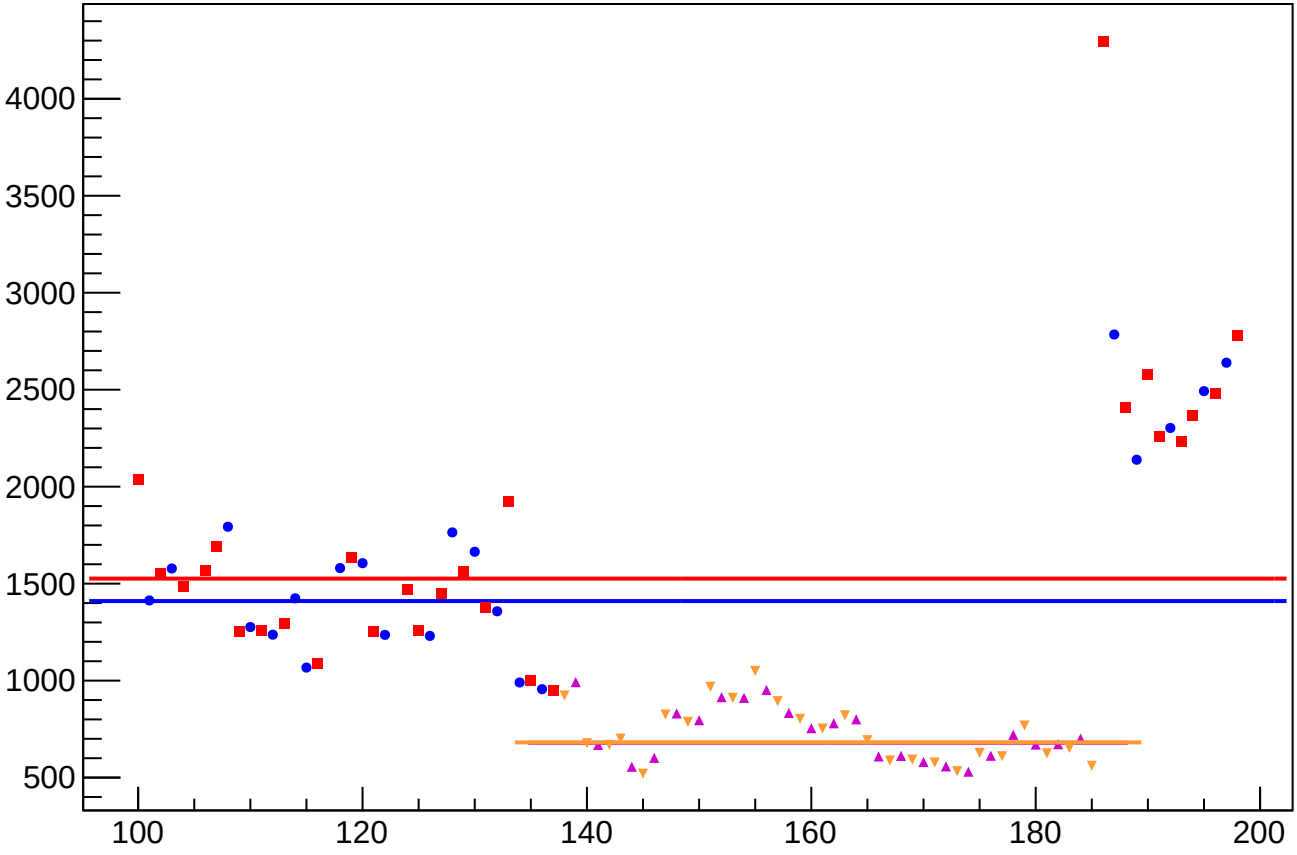
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -749.842+/-149.365 χ^2/NDF: 92.5/45

All: -495.686+/-106.656 χ^2/NDF: 146.6/95

- sign -231.281+/-152.347 χ^2/NDF: 48.2/49

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug



Right In: 1410.253+/-0.323 χ^2/NDF: 1950799.8/20

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1526.031+/-0.320 χ^2/NDF: 2500289.9/26

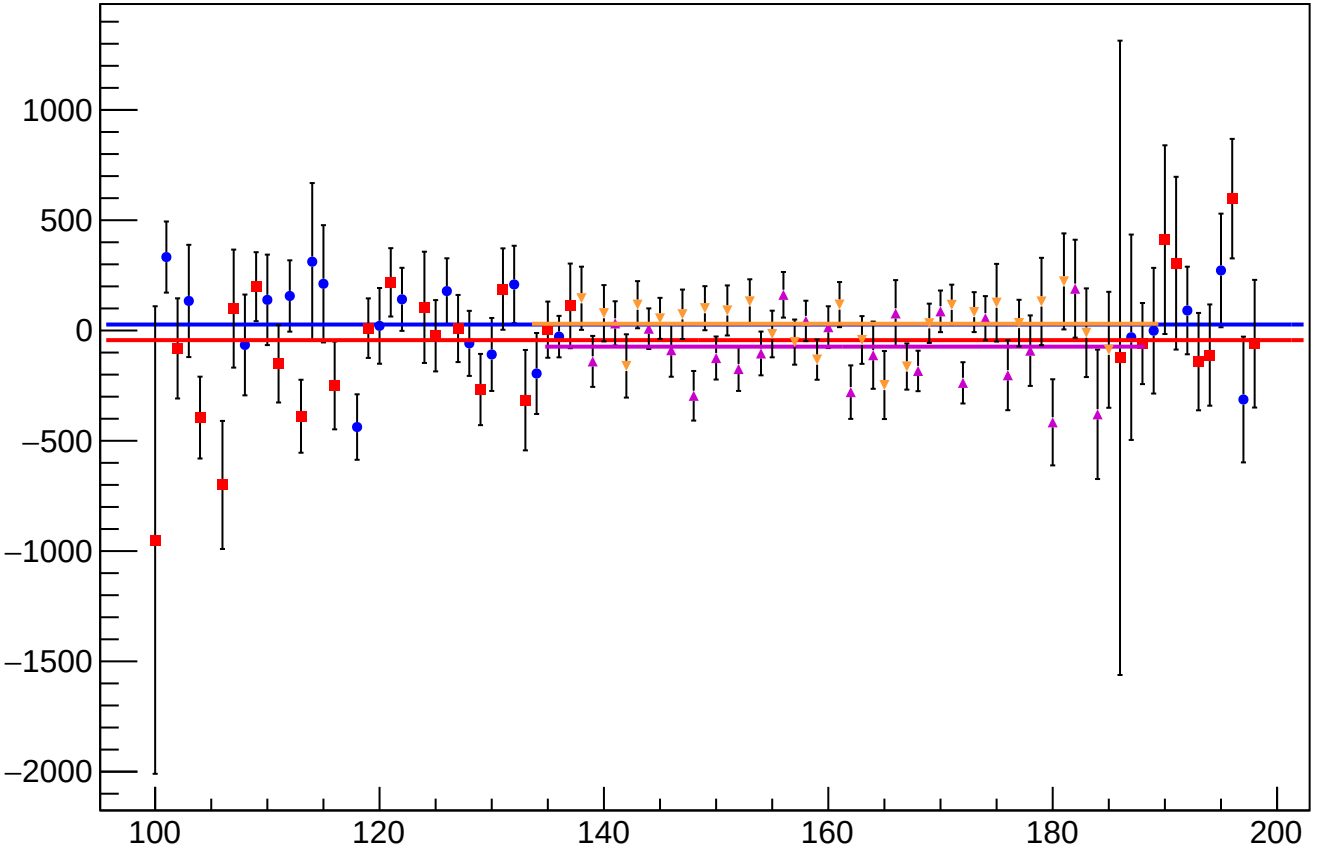
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 759.577+/-0.106 χ^2/NDF: 7843543.9/45

All: 767.396+/-0.075 χ^2/NDF: 17756327.5/95

- sign 775.531+/-0.108 χ^2/NDF: 9901599.2/49

dit_asym_sam_2468_avg_mean vs Slug



Right In: 27.122+/-38.977 χ^2/NDF: 23.8/20

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -43.680+/-38.153 χ^2/NDF: 35.0/26

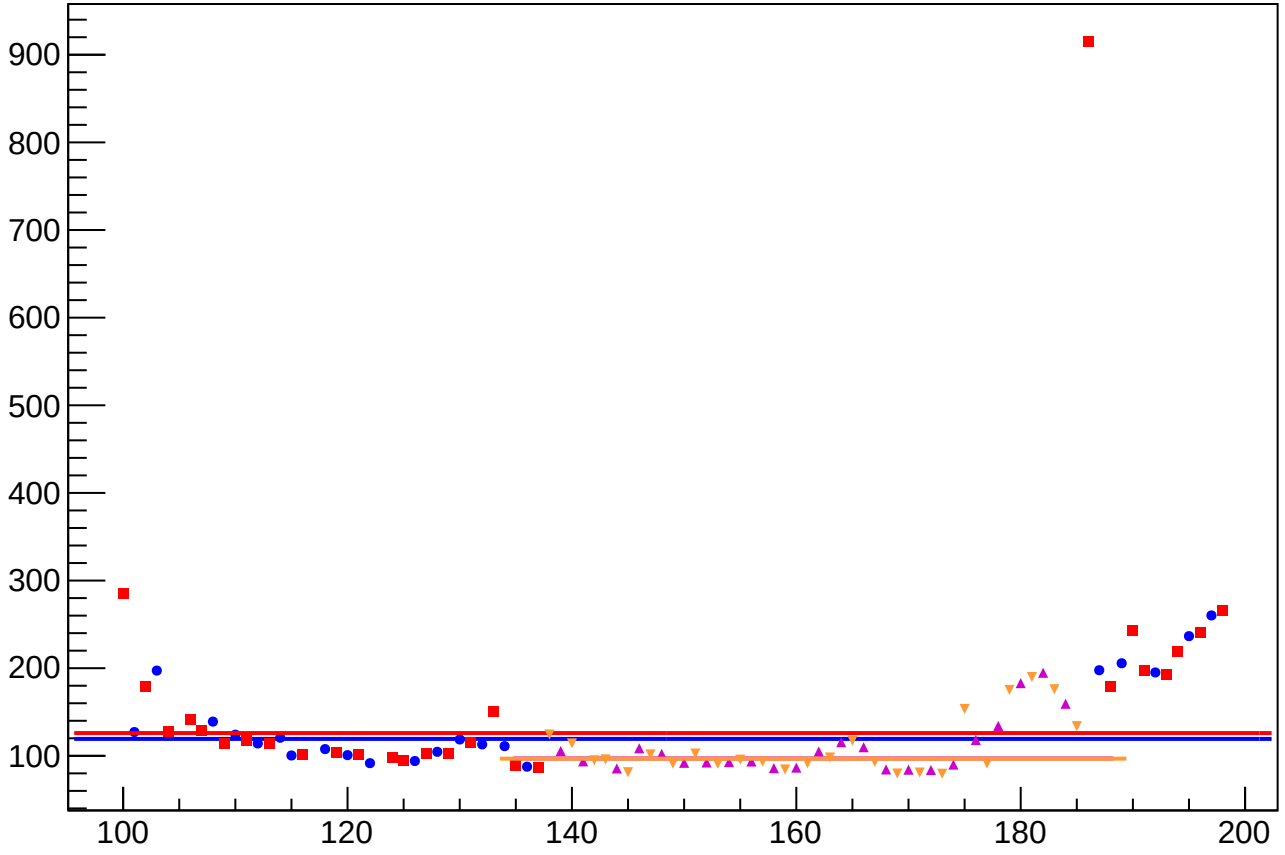
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.773+/-19.716 χ^2/NDF: 43.8/45

All: -16.918+/-14.046 χ^2/NDF: 125.1/95

- sign -65.037+/-20.015 χ^2/NDF: 69.9/49

dit_asym_sam_2468_avg_rms vs Slug



Right In: 119.320+/-0.028 χ^2/NDF: 2077980.6/20

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 125.984+/-0.027 χ^2/NDF: 3116902.0/26

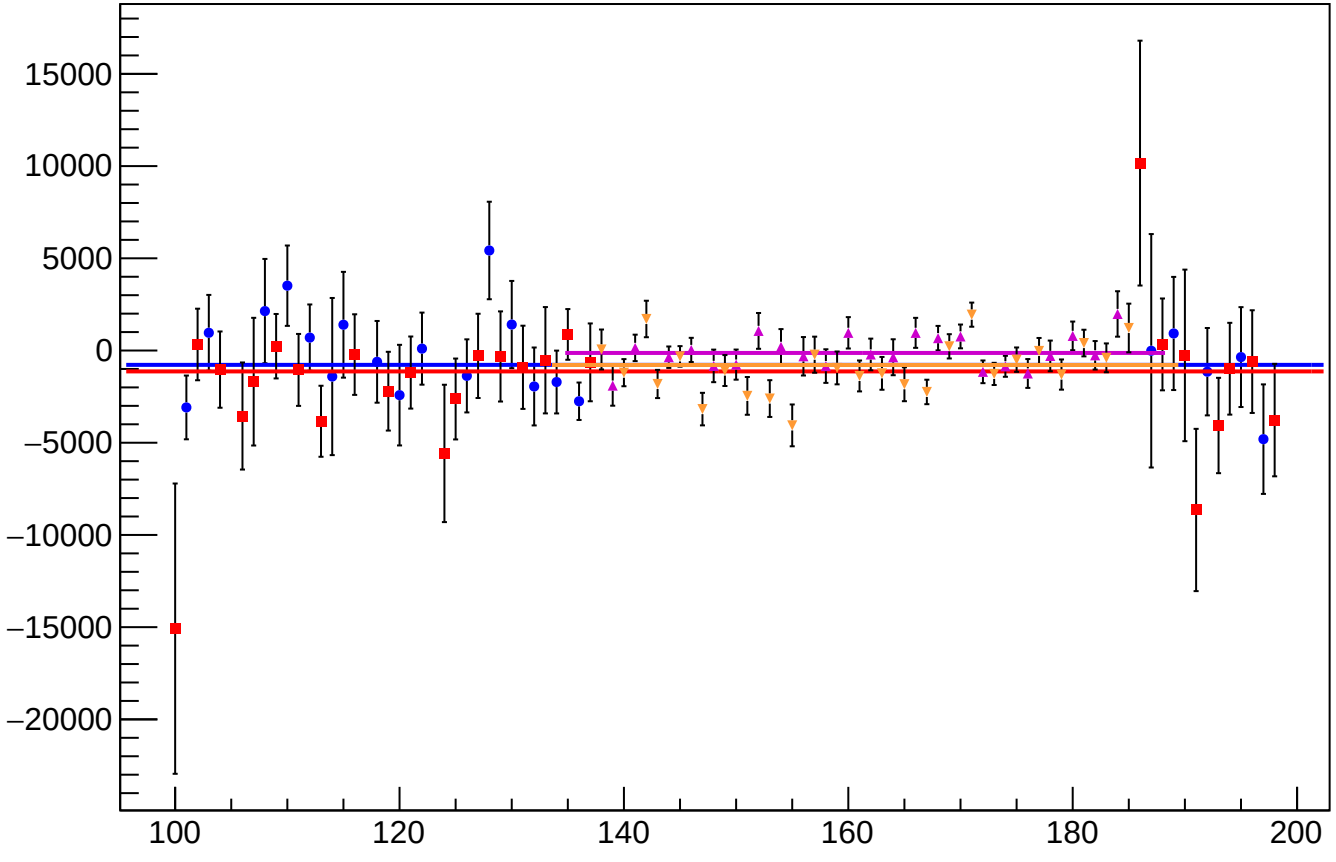
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 102.558+/-0.014 χ^2/NDF: 4295466.4/45

All: 103.755+/-0.010 χ^2/NDF: 9584128.1/95

- sign 104.989+/-0.014 χ^2/NDF: 5273691.6/49

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -777.432+/-462.776 χ^2/NDF: 22.3/20

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1132.810+/-456.071 χ^2/NDF: 20.1/26

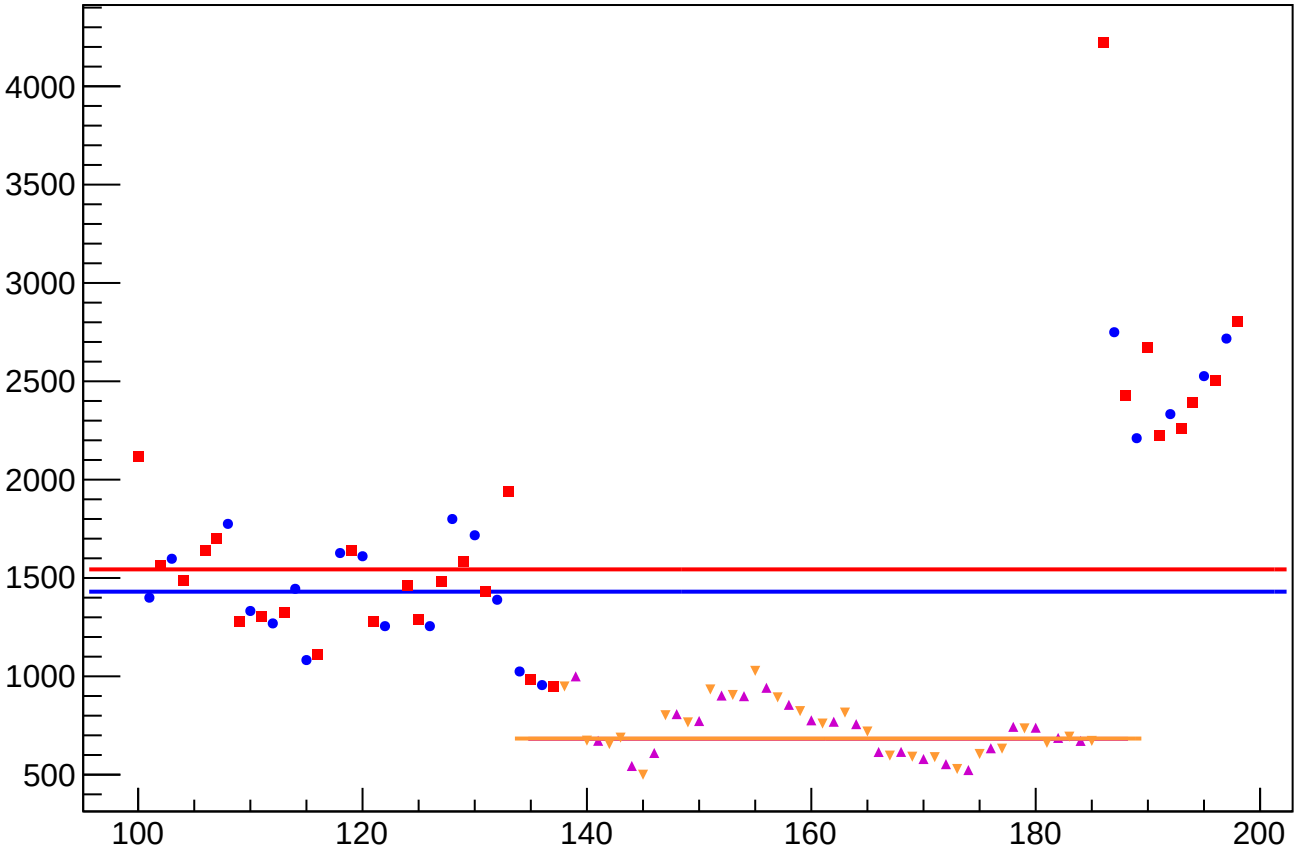
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -783.093+/-149.804 χ^2/NDF: 88.7/45

All: -519.272+/-107.039 χ^2/NDF: 143.6/95

- sign -244.081+/-152.998 χ^2/NDF: 48.6/49

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1430.411+/-0.327 χ^2/NDF: 1980010.6/20

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1543.758+/-0.322 χ^2/NDF: 2516118.5/26

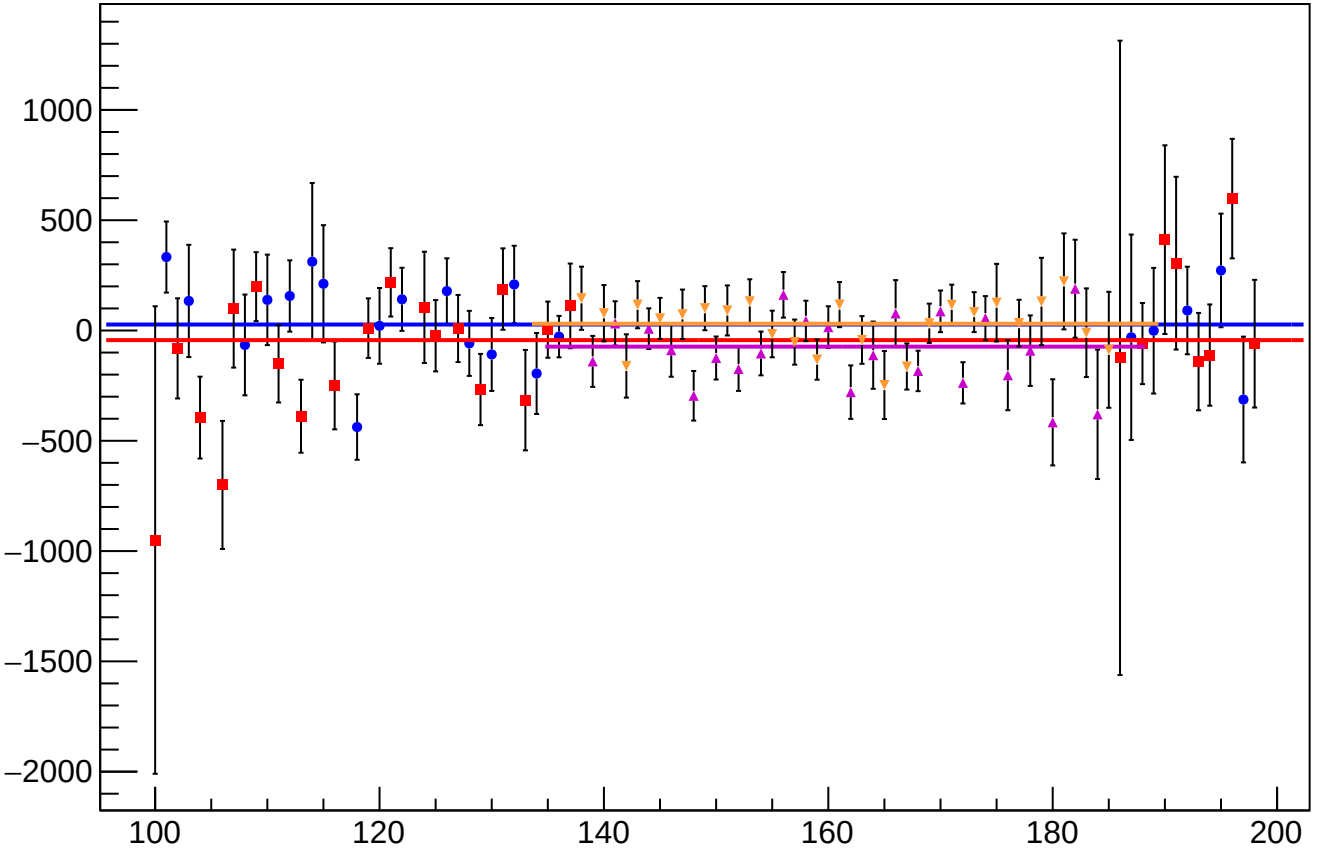
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 761.943+/-0.106 χ^2/NDF: 7939438.4/45

All: 770.266+/-0.076 χ^2/NDF: 17991893.0/95

- sign 778.948+/-0.108 χ^2/NDF: 10039840.7/49

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 27.123+/-38.976 χ^2/NDF: 23.8/20

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -43.678+/-38.153 χ^2/NDF: 35.0/26

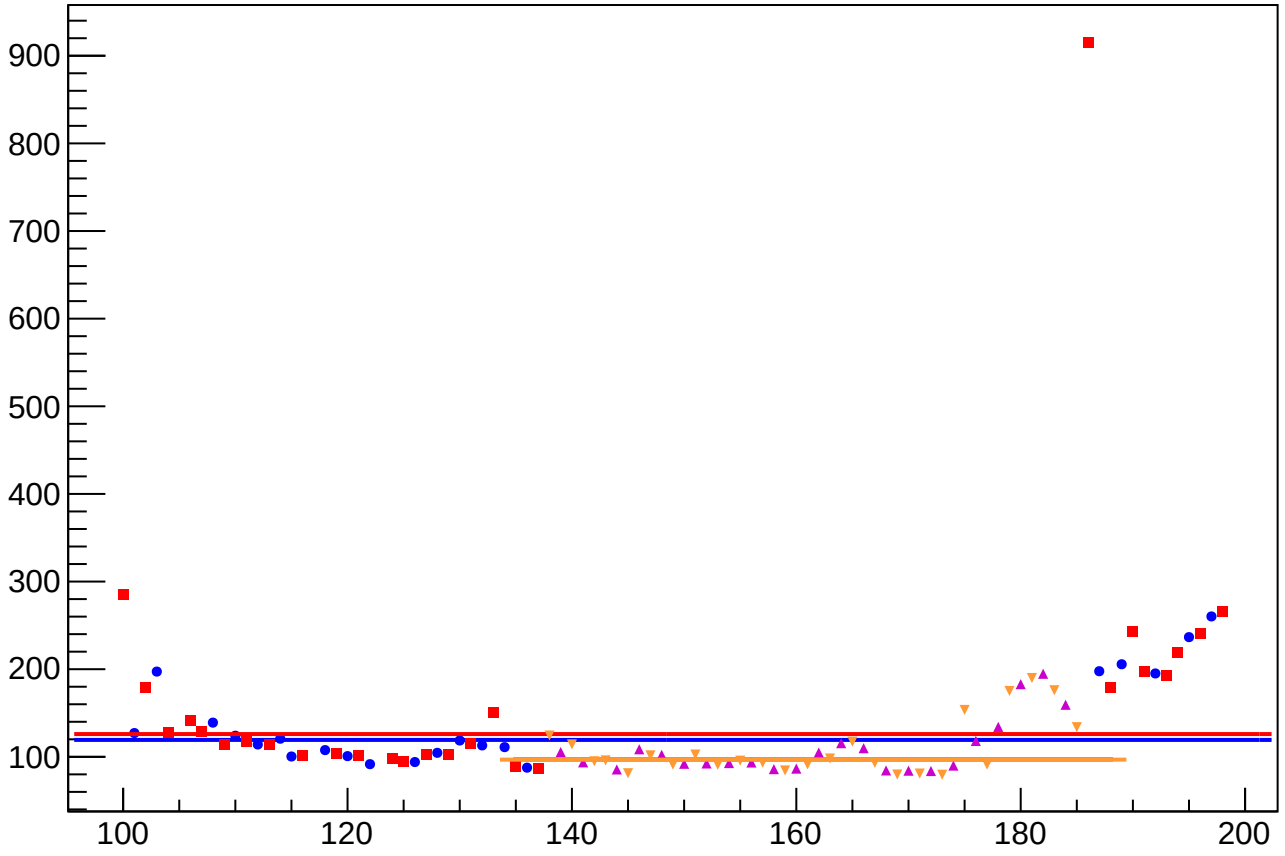
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.773+/-19.716 χ^2/NDF: 43.8/45

All: -16.917+/-14.046 χ^2/NDF: 125.1/95

- sign -65.036+/-20.015 χ^2/NDF: 69.9/49

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 119.319+/-0.028 χ^2/NDF: 2077984.9/20

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

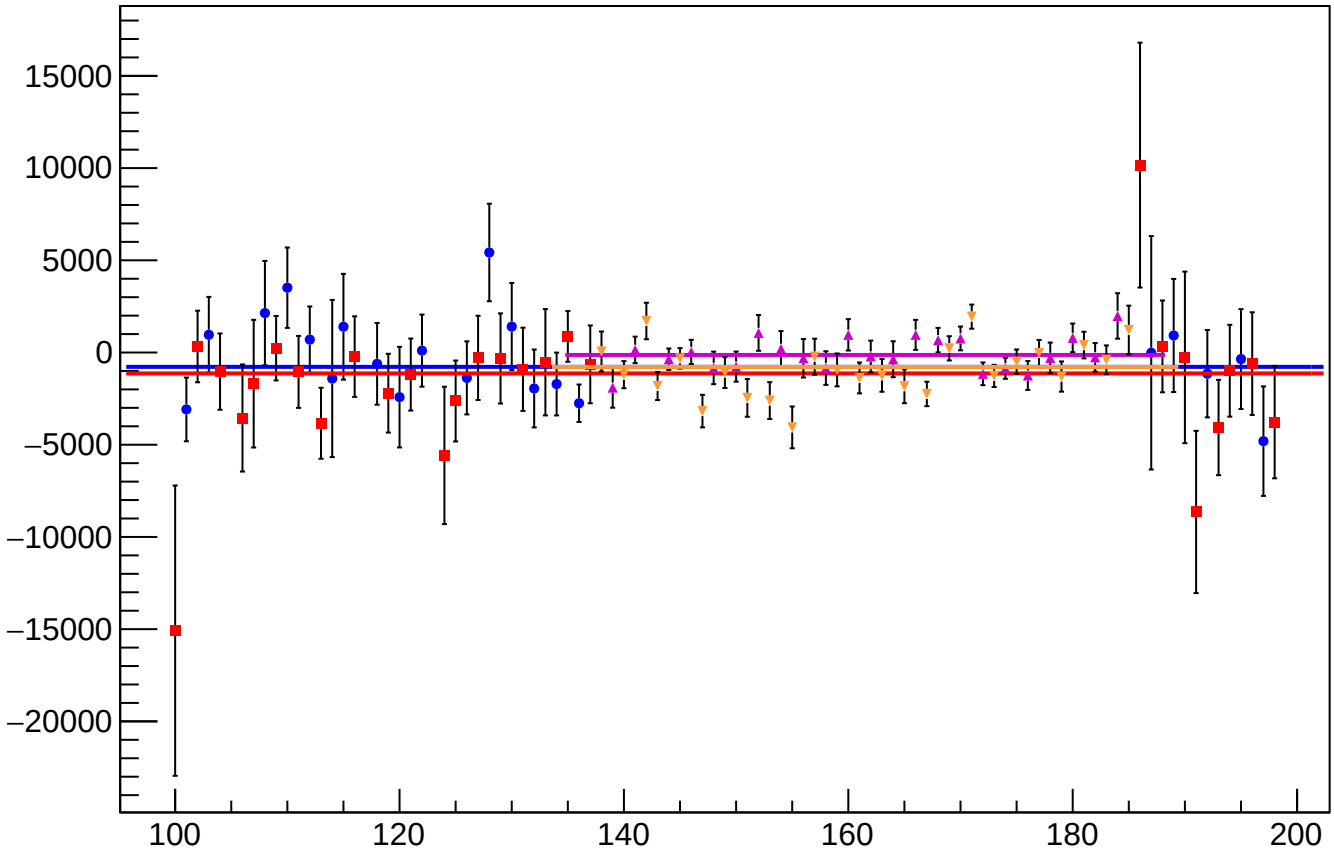
Right Out: 125.983+/-0.027 χ^2/NDF: 3116921.0/26

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 102.558+/-0.014 χ^2/NDF: 4295425.7/45

All: 103.755+/-0.010 χ^2/NDF: 9584036.8/95

- sign 104.989+/-0.014 χ^2/NDF: 5273640.8/49



Right In: -777.427+/-462.775 χ^2/NDF: 22.3/20

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: -1132.809+/-456.070 χ^2/NDF: 20.1/26

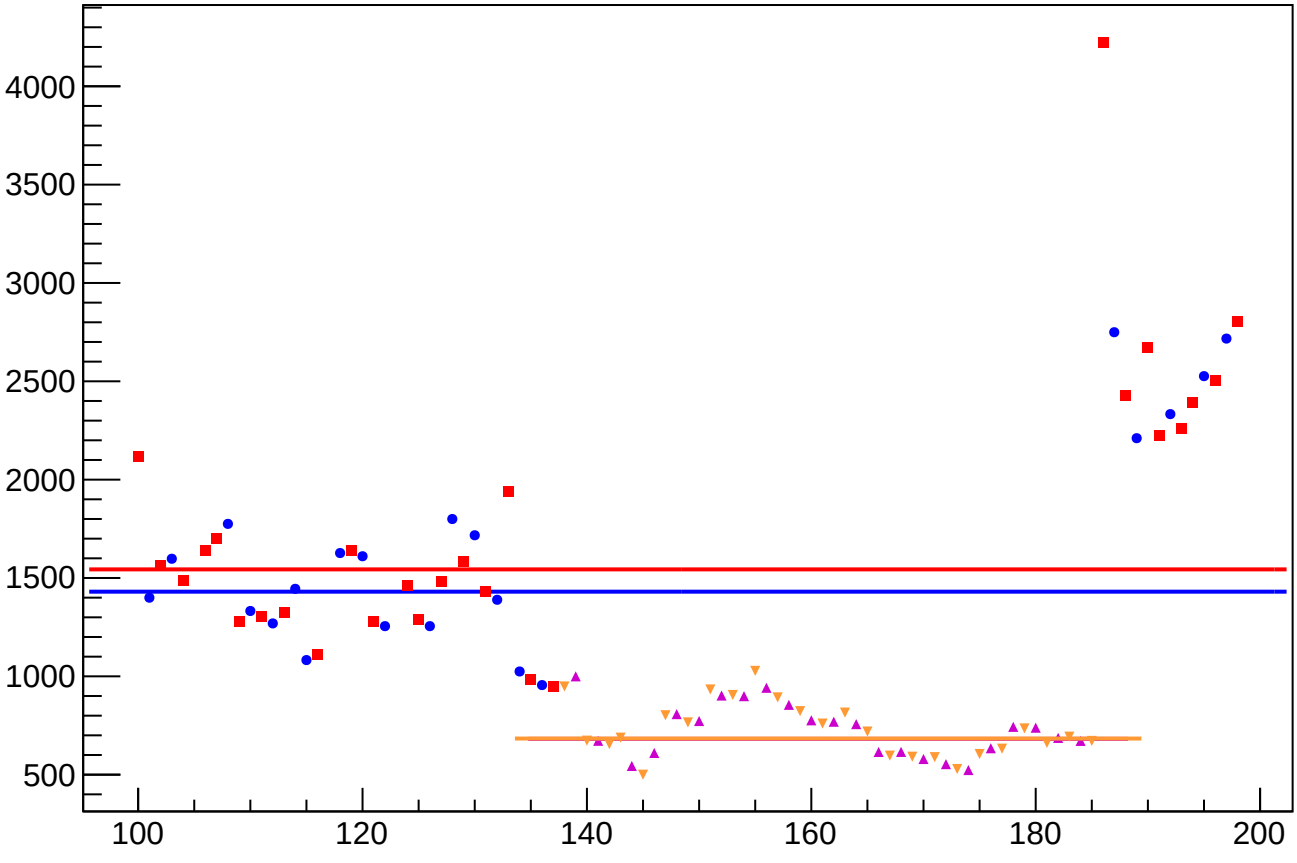
Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -783.091+/-149.804 χ^2/NDF: 88.7/45

All: -519.271+/-107.039 χ^2/NDF: 143.6/95

- sign -244.080+/-152.998 χ^2/NDF: 48.6/49

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1430.408+/-0.327 χ^2/NDF: 1980013.3/20

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1543.755+/-0.322 χ^2/NDF: 2516125.1/26

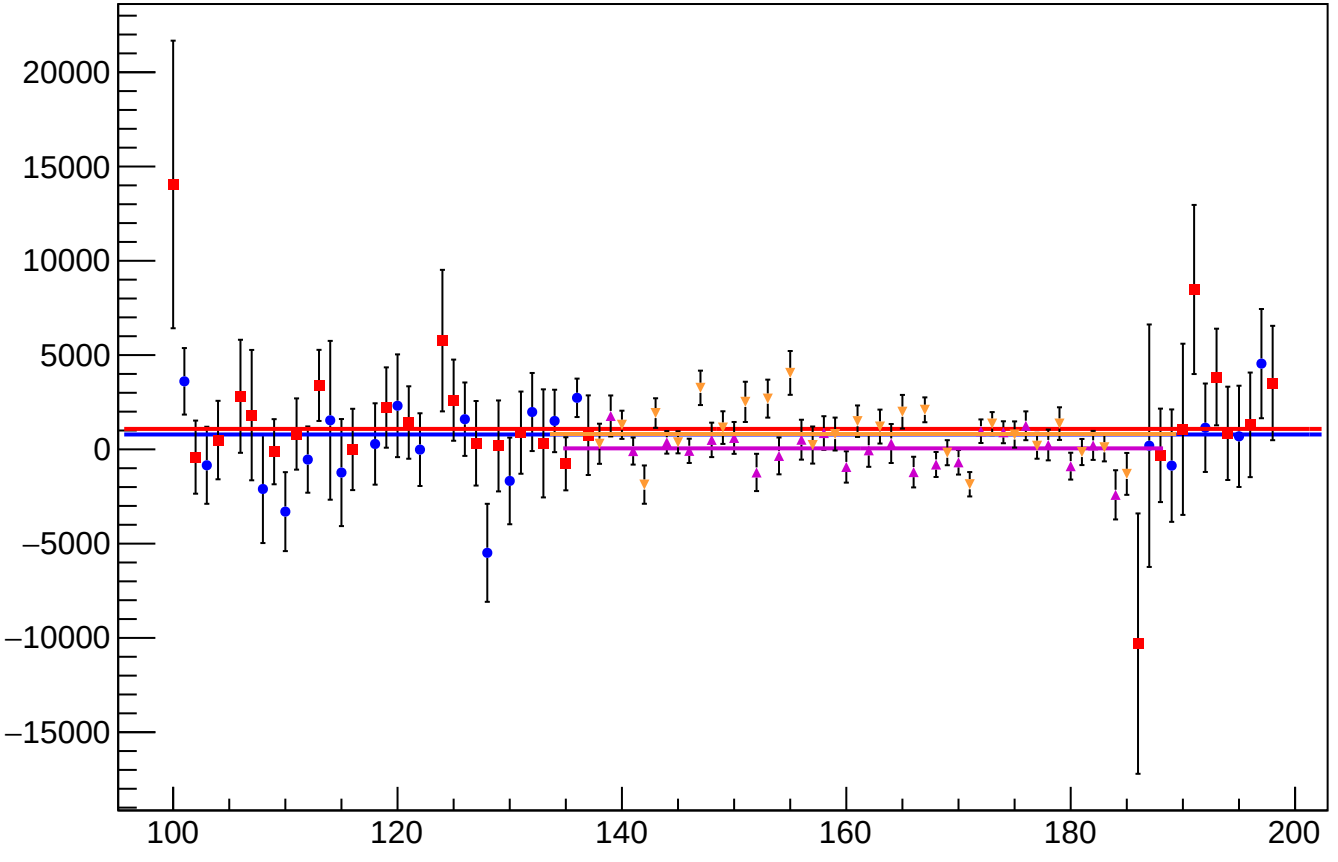
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

\+ sign 761.941+/-0.106 χ^2/NDF: 7939446.9/45

All: 770.264+/-0.076 χ^2/NDF: 17991907.4/95

\- sign 778.946+/-0.108 χ^2/NDF: 10039846.7/49

asym_sam_2468_avg_mean vs Slug



Right In: 788.875+/-457.799 χ^2/NDF: 23.0/20

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1084.359+/-453.250 χ^2/NDF: 18.2/26

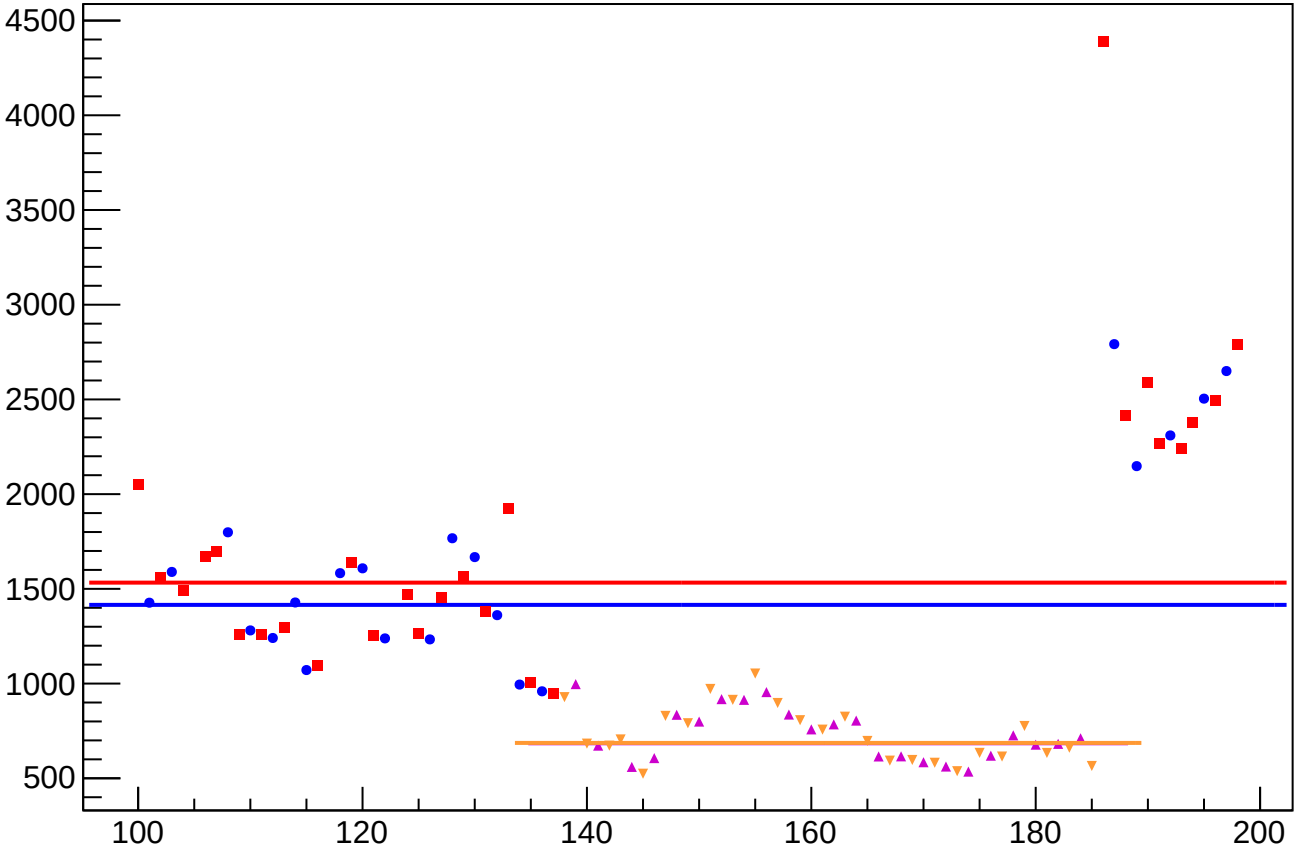
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 811.348+/-150.415 χ^2/NDF: 88.8/45

All: 497.261+/-107.403 χ^2/NDF: 145.9/95

- sign 170.528+/-153.413 χ^2/NDF: 48.2/49

asym_sam_2468_avg_rms vs Slug



Right In: 1415.403+/-0.324 χ^2/NDF: 1951563.8/20

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

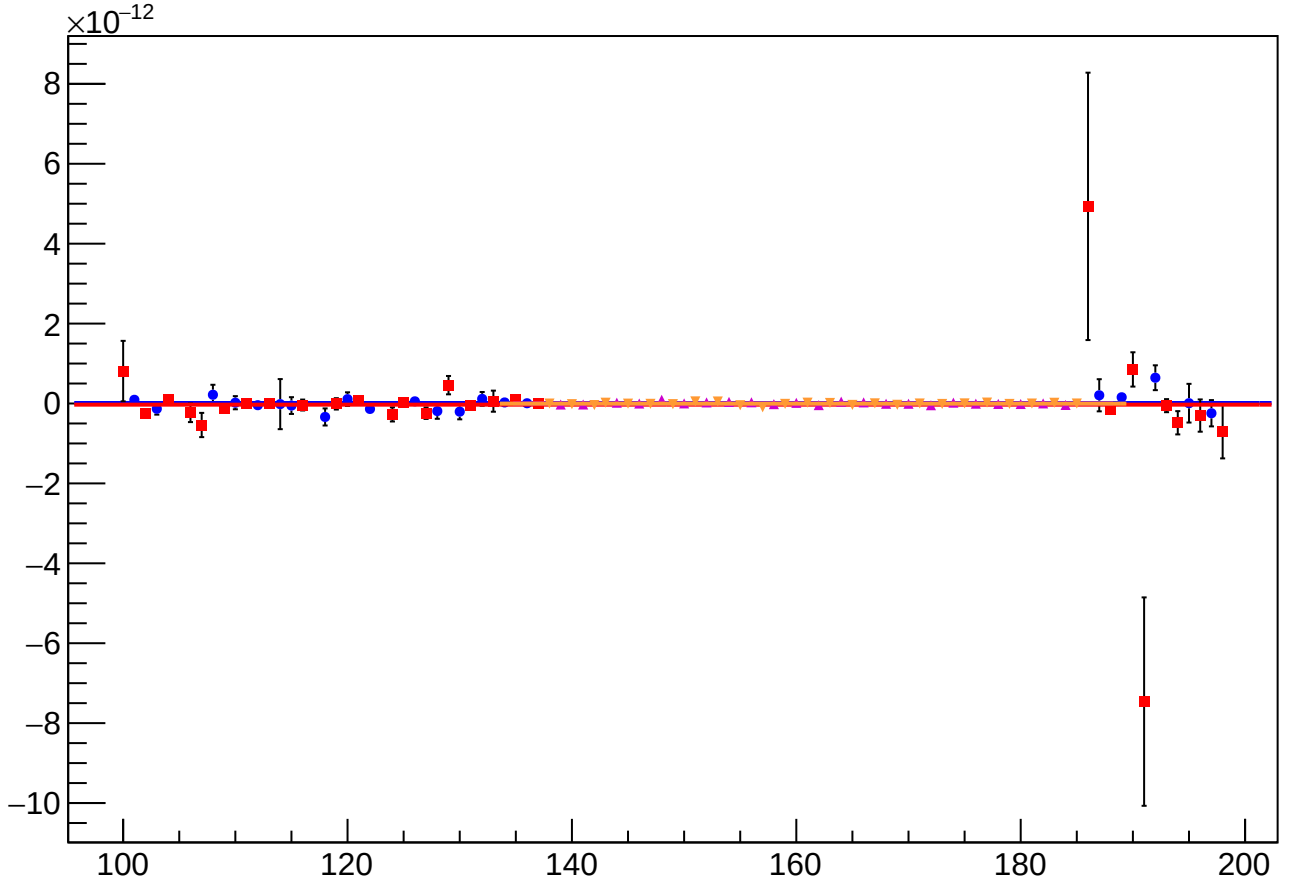
Right Out: 1532.877+/-0.320 χ^2/NDF: 2515007.3/26

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 765.365+/-0.106 χ^2/NDF: 7784124.0/45

All: 773.482+/-0.076 χ^2/NDF: 17676635.0/95

- sign 781.927+/-0.108 χ^2/NDF: 9880626.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

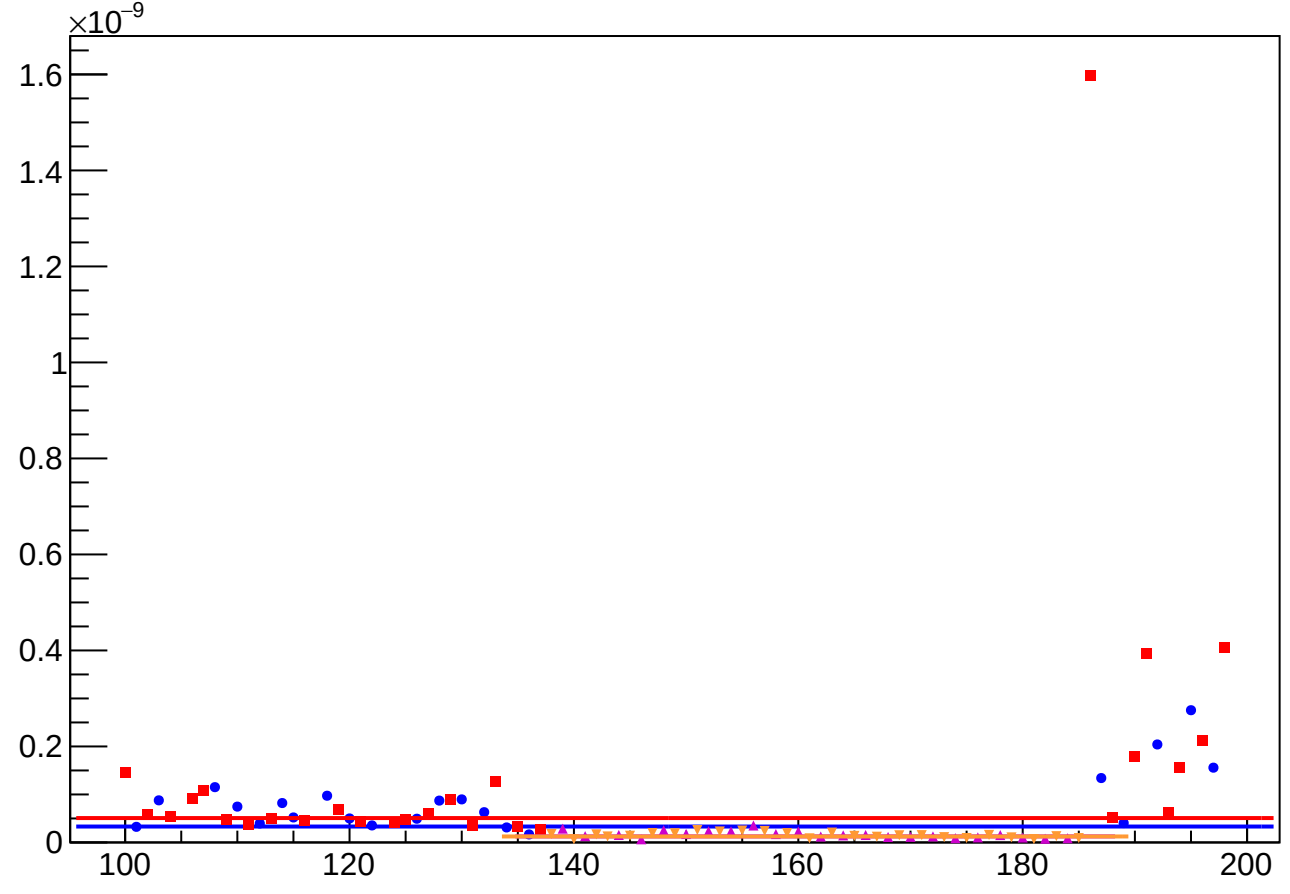
Right Out: -0.000+/-0.000 χ^2/NDF: 43.9/26

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.0/45

All: -0.000+/-0.000 χ^2/NDF: 100.6/95

- sign -0.000+/-0.000 χ^2/NDF: 65.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 3452342.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

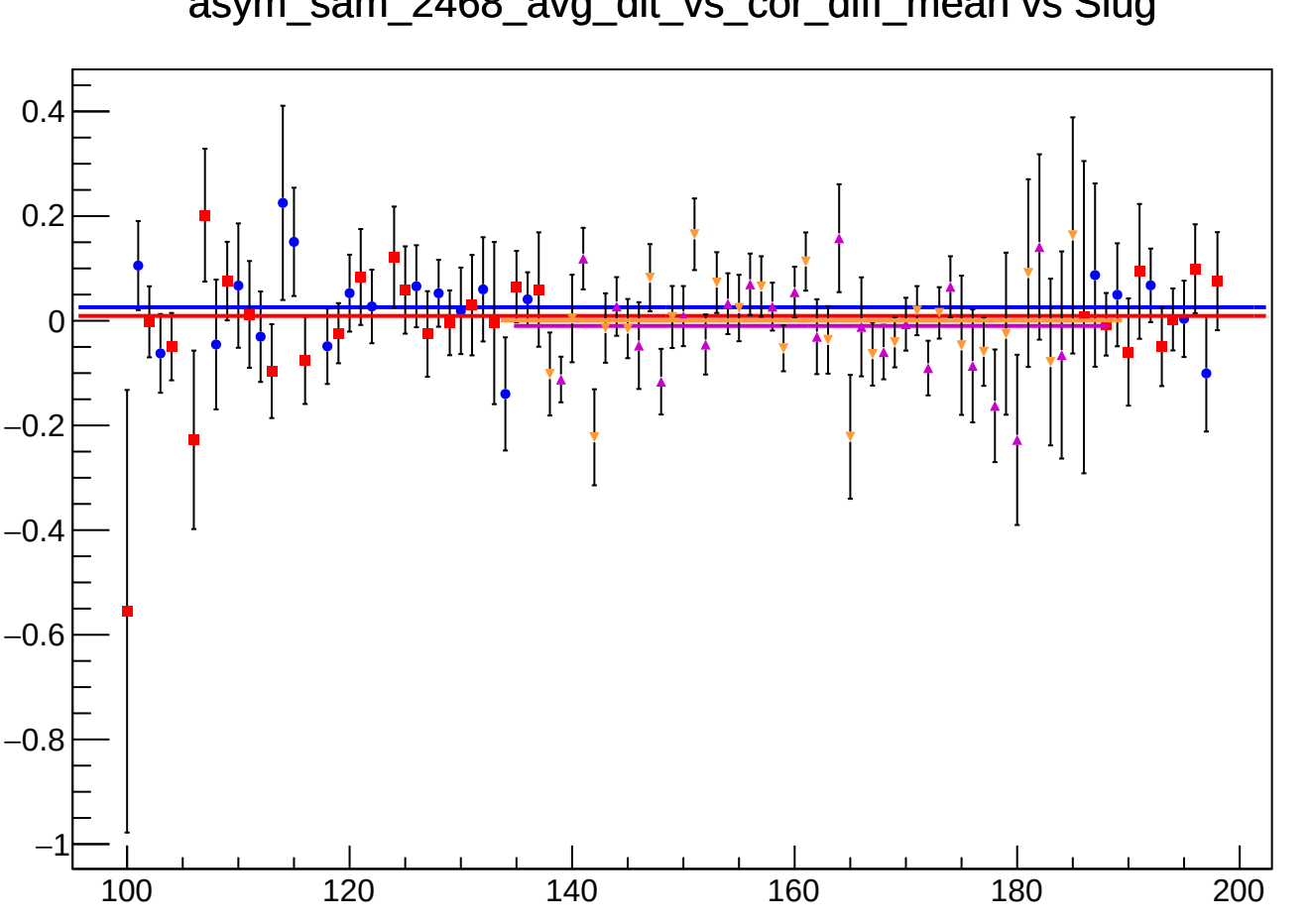
Right Out: 0.000+/-0.000 χ^2/NDF: 2544547.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7005525.9/45

All: 0.000+/-0.000 χ^2/NDF: 15409385.9/95

- sign 0.000+/-0.000 χ^2/NDF: 8396354.0/49



Right In: 0.026+/-0.018 χ^2/NDF: 11.9/20

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.009+/-0.016 χ^2/NDF: 17.2/26

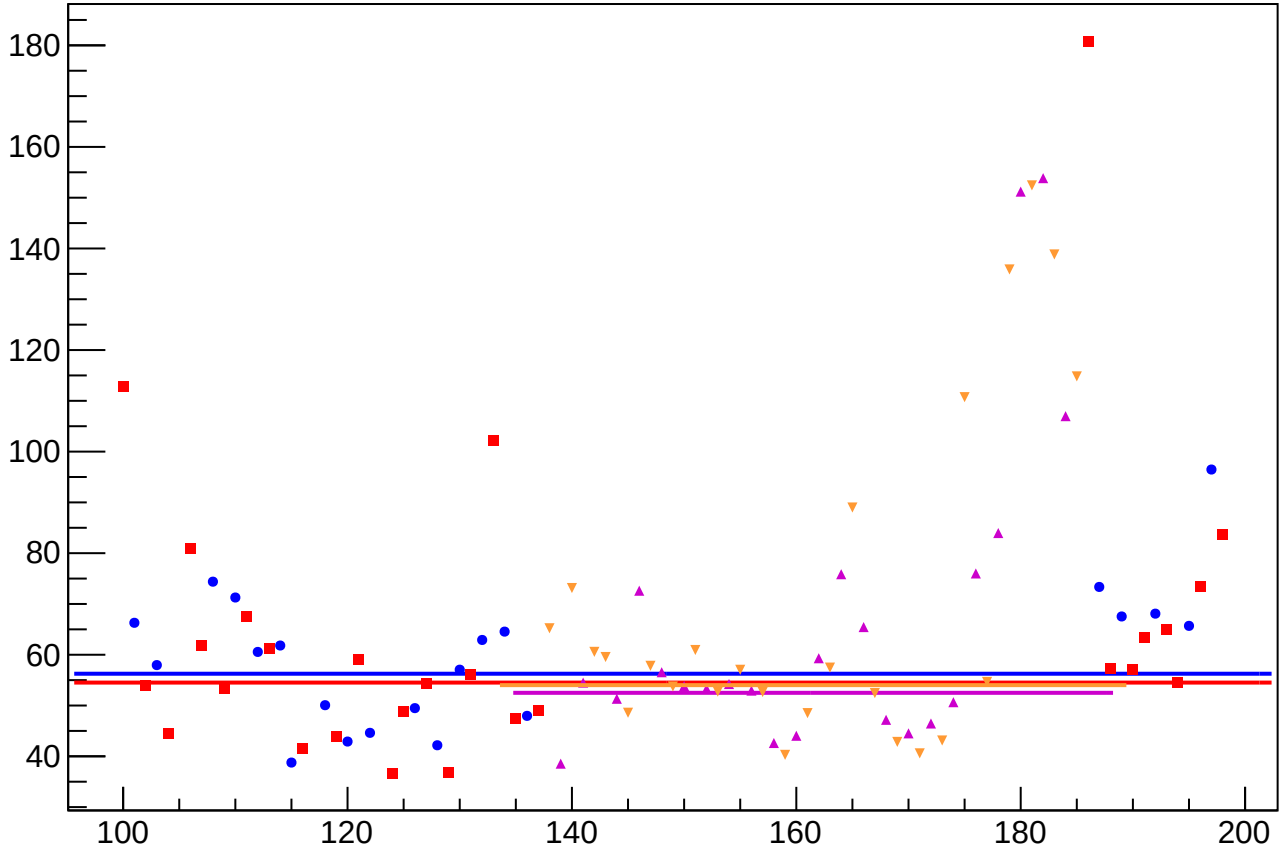
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 44.8/45

All: 0.003+/-0.007 χ^2/NDF: 95.3/95

- sign -0.002+/-0.010 χ^2/NDF: 49.9/49

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 56.262+/-0.013 χ^2/NDF: 885895.3/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

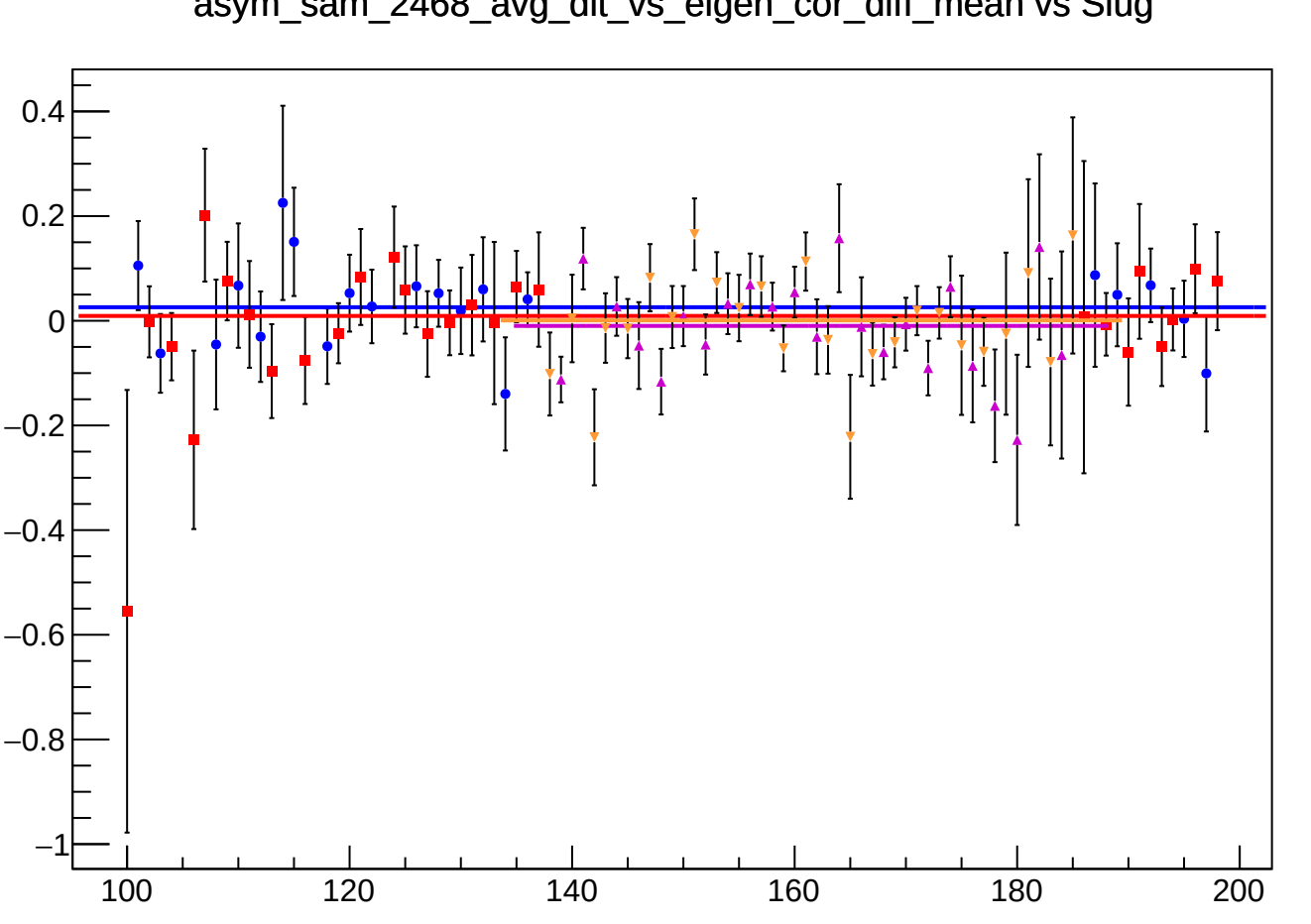
Right Out: 54.519+/-0.011 χ^2/NDF: 1469996.7/26

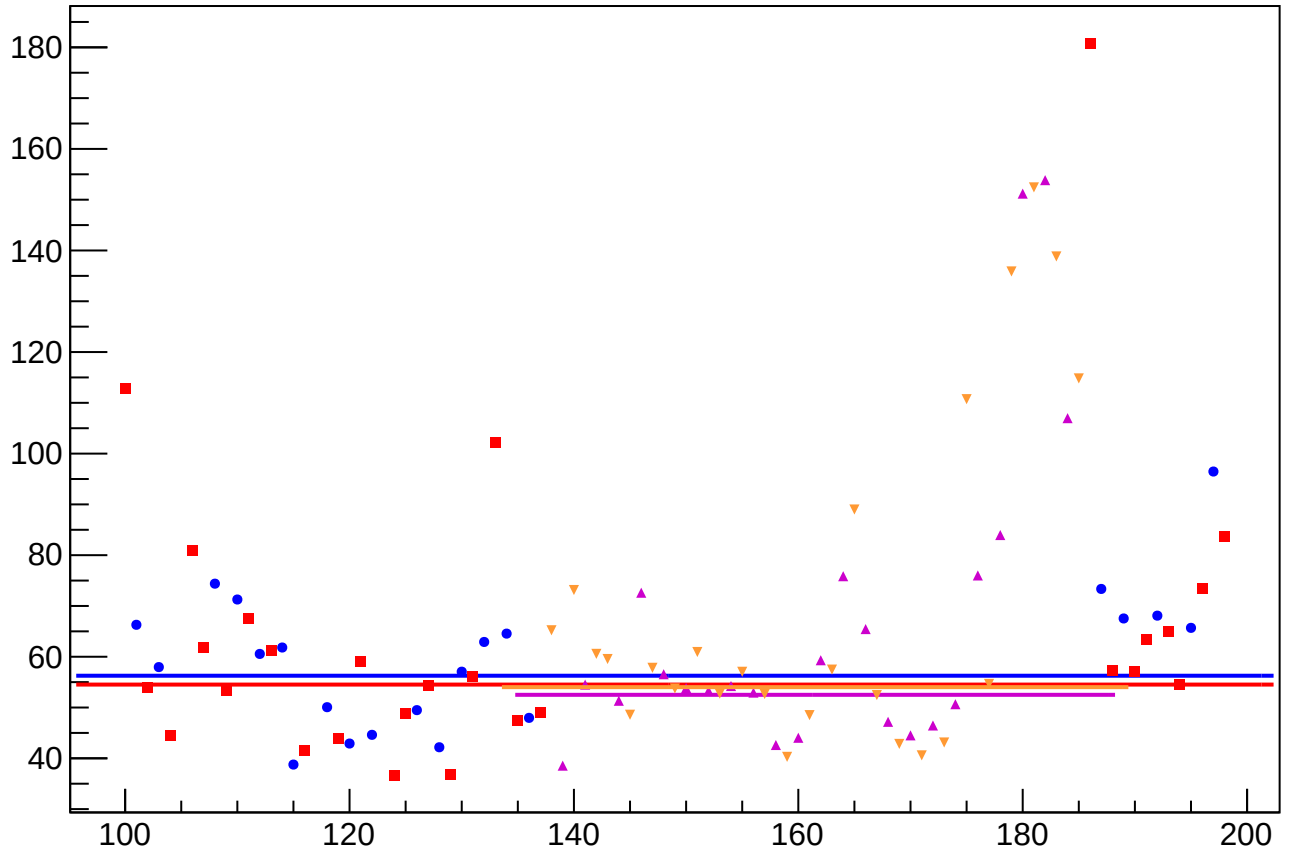
Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.791+/-0.008 χ^2/NDF: 4133373.6/45

All: 54.016+/-0.005 χ^2/NDF: 8199745.1/95

- sign 53.306+/-0.007 χ^2/NDF: 4046323.5/49


asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
Right In: 0.026+/-0.018 χ²/NDF: 11.9/20
Left Out: 0.001+/-0.013 χ²/NDF:31.7/24
Right Out: 0.009+/-0.016 χ²/NDF: 17.2/26
Left In: -0.010+/-0.013 χ²/NDF:31.9/22
+ sign 0.009+/-0.011 χ²/NDF: 44.8/45
All: 0.003+/-0.007 χ²/NDF: 95.3/95
- sign -0.002+/-0.010 χ²/NDF: 49.9/49



Right In: 56.262+/-0.013 χ^2/NDF: 885895.3/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

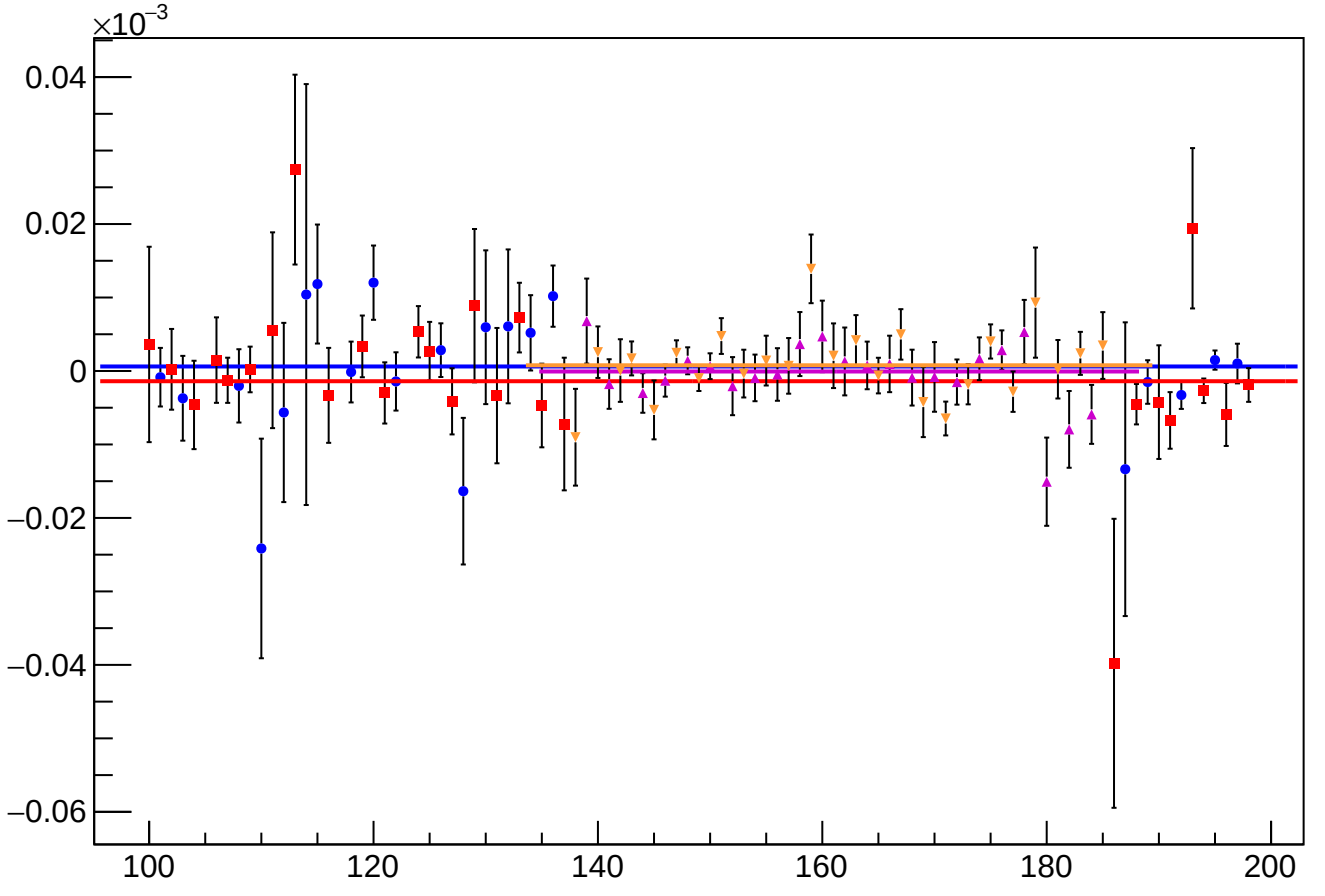
Right Out: 54.519+/-0.011 χ^2/NDF: 1469996.7/26

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.791+/-0.008 χ^2/NDF: 4133373.6/45

All: 54.016+/-0.005 χ^2/NDF: 8199745.1/95

- sign 53.306+/-0.007 χ^2/NDF: 4046323.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

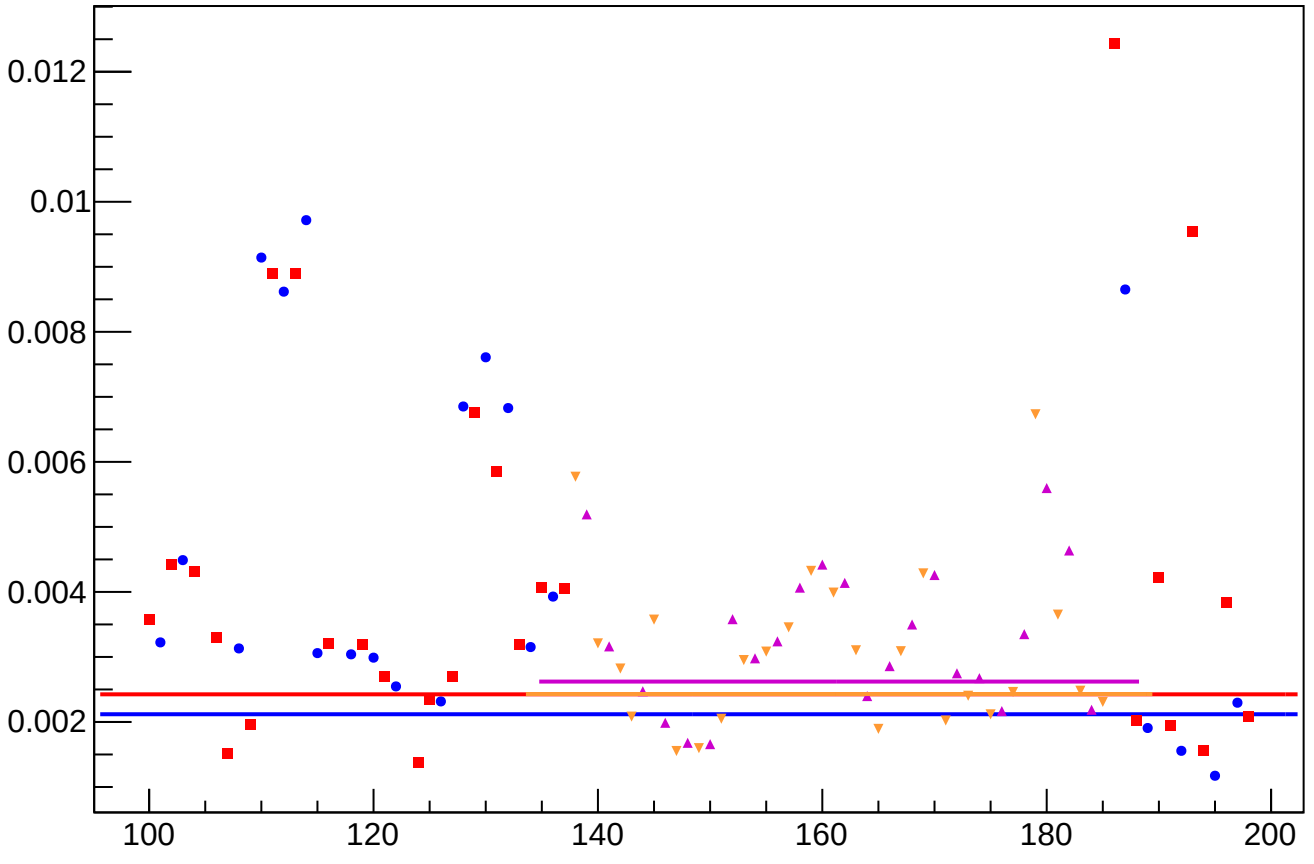
Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/26

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.1/45

All: 0.000+/-0.000 χ^2/NDF: 121.2/95

- sign -0.000+/-0.000 χ^2/NDF: 52.4/49



Right In: 0.002+/-0.000 χ^2/NDF: 5257477.9/20

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

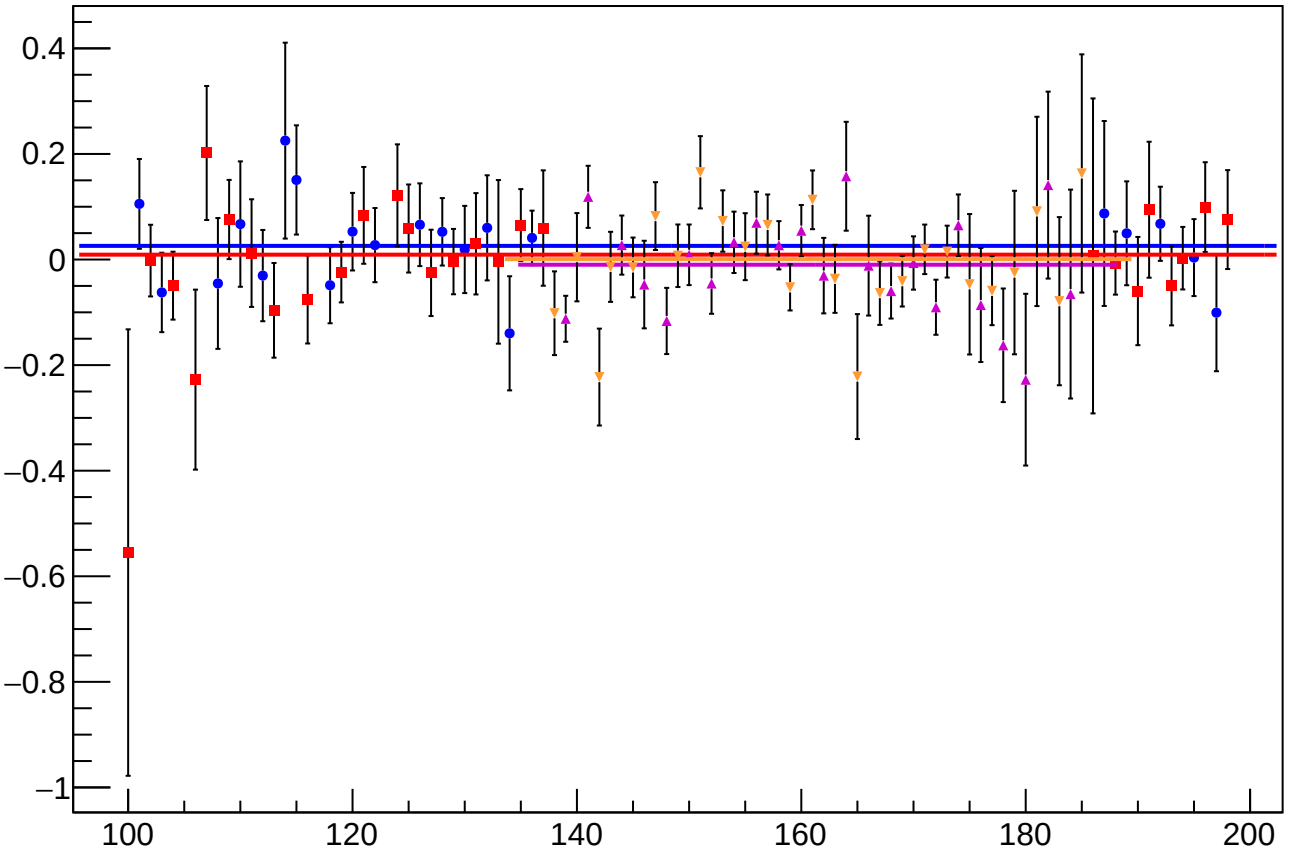
Right Out: 0.002+/-0.000 χ^2/NDF: 5264702.6/26

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 9677315.4/45

All: 0.002+/-0.000 χ^2/NDF: 19179102.6/95

- sign 0.003+/-0.000 χ^2/NDF: 9292123.1/49



Right In: 0.026+/-0.018 χ^2/NDF: 11.9/20

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

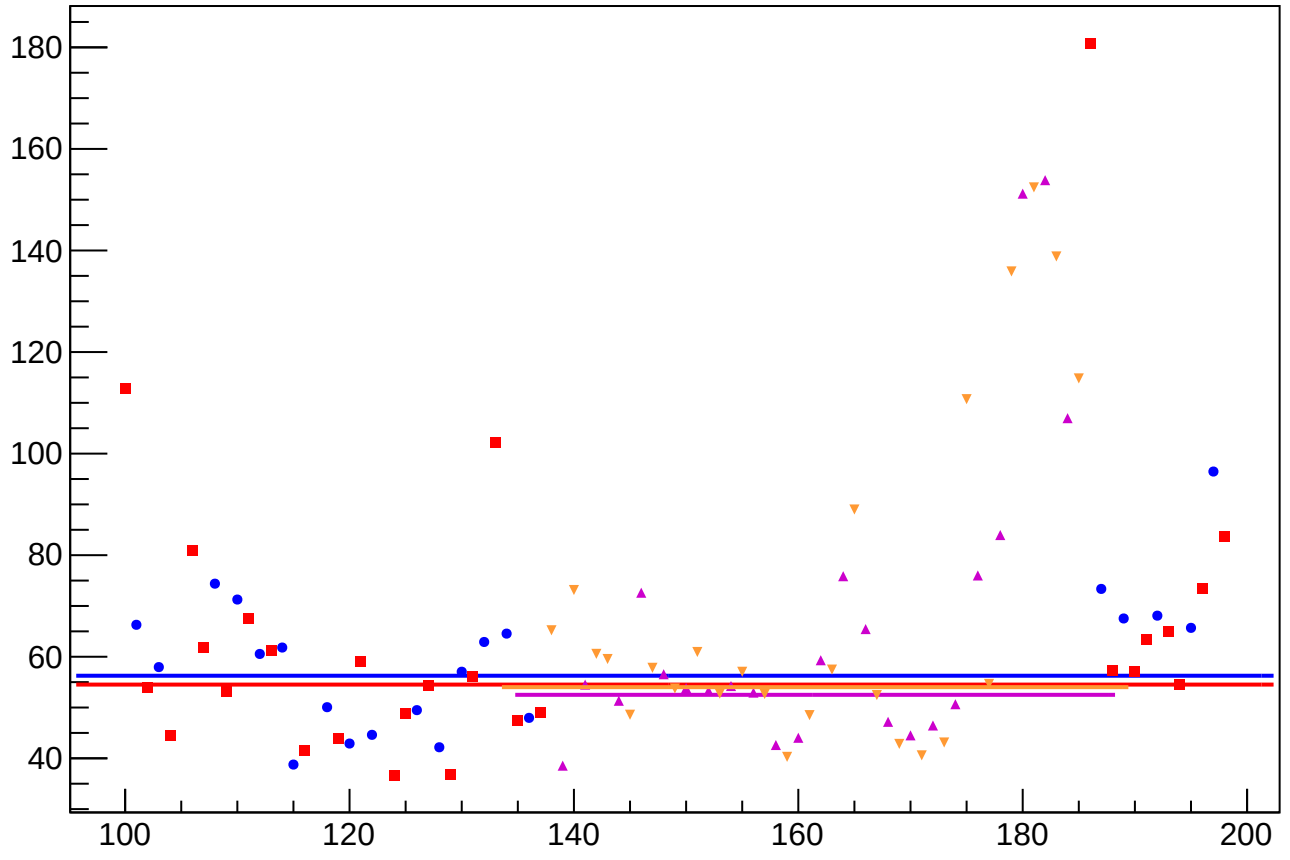
Right Out: 0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 44.8/45

All: 0.003+/-0.007 χ^2/NDF: 95.3/95

- sign -0.002+/-0.010 χ^2/NDF: 49.9/49



Right In: 56.261+/-0.013 χ^2/NDF: 885881.6/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

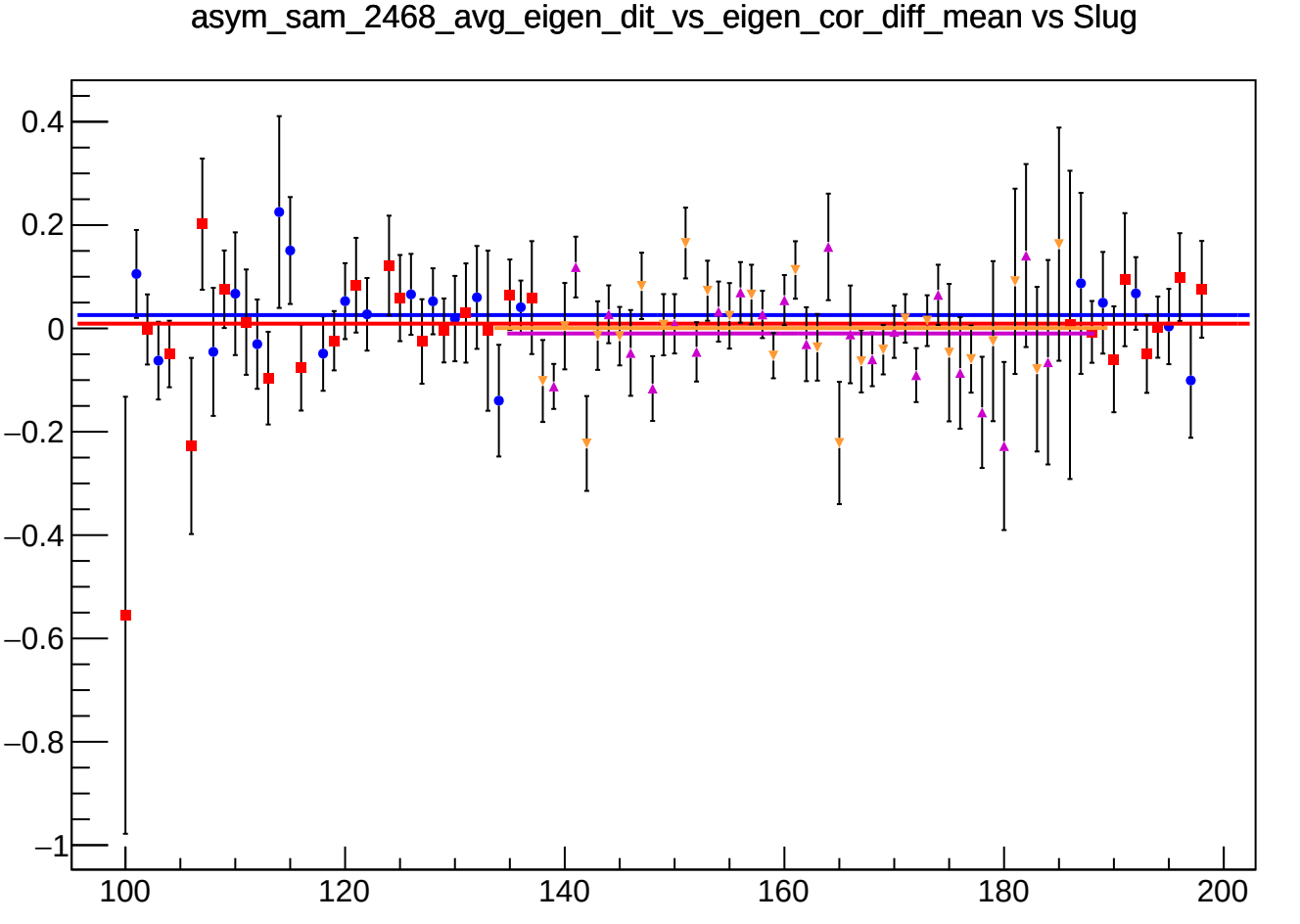
Right Out: 54.518+/-0.011 χ^2/NDF: 1470035.0/26

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.791+/-0.008 χ^2/NDF: 4133353.8/45

All: 54.016+/-0.005 χ^2/NDF: 8199785.1/95

- sign 53.306+/-0.007 χ^2/NDF: 4046382.0/49



Right In: 0.026+/-0.018 χ^2/NDF: 11.9/20

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

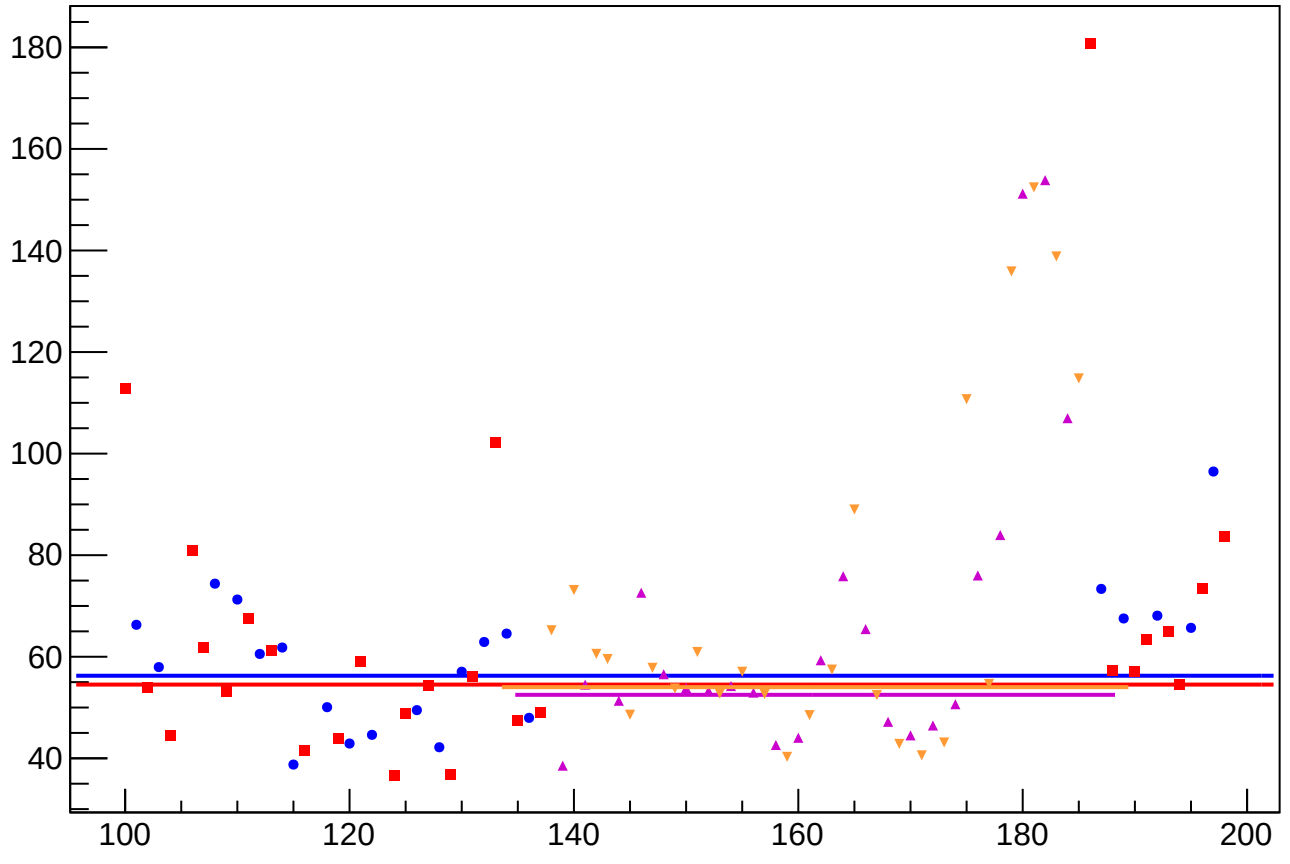
Right Out: 0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 44.8/45

All: 0.003+/-0.007 χ^2/NDF: 95.3/95

- sign -0.002+/-0.010 χ^2/NDF: 49.9/49



Right In: 56.261+/-0.013 χ^2/NDF: 885881.6/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

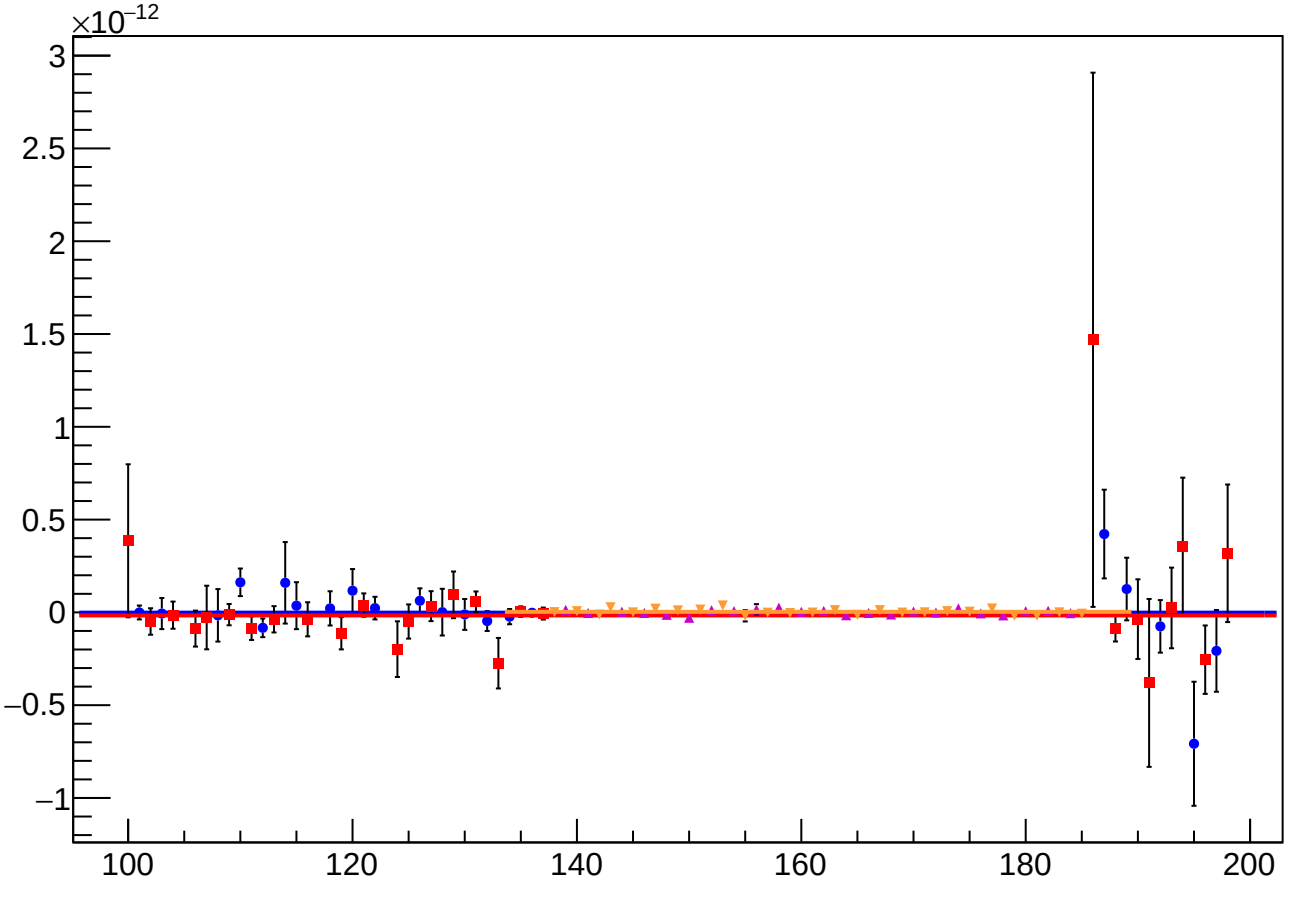
Right Out: 54.518+/-0.011 χ^2/NDF: 1470035.0/26

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.791+/-0.008 χ^2/NDF: 4133353.8/45

All: 54.016+/-0.005 χ^2/NDF: 8199785.1/95

- sign 53.306+/-0.007 χ^2/NDF: 4046382.0/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

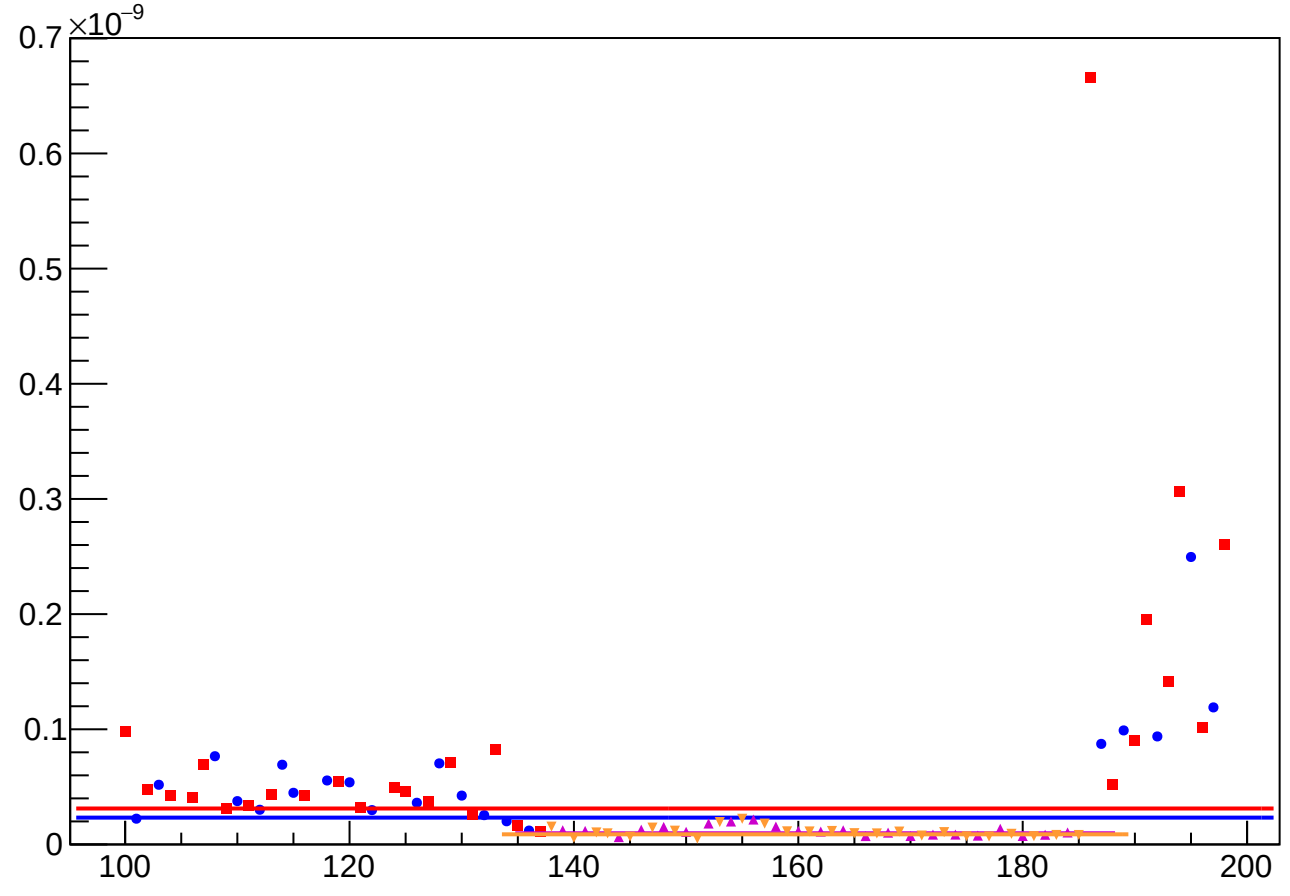
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/26

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.6/45

All: 0.000+/-0.000 χ^2/NDF: 79.5/95

- sign 0.000+/-0.000 χ^2/NDF: 36.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 4896163.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6115243.5/26

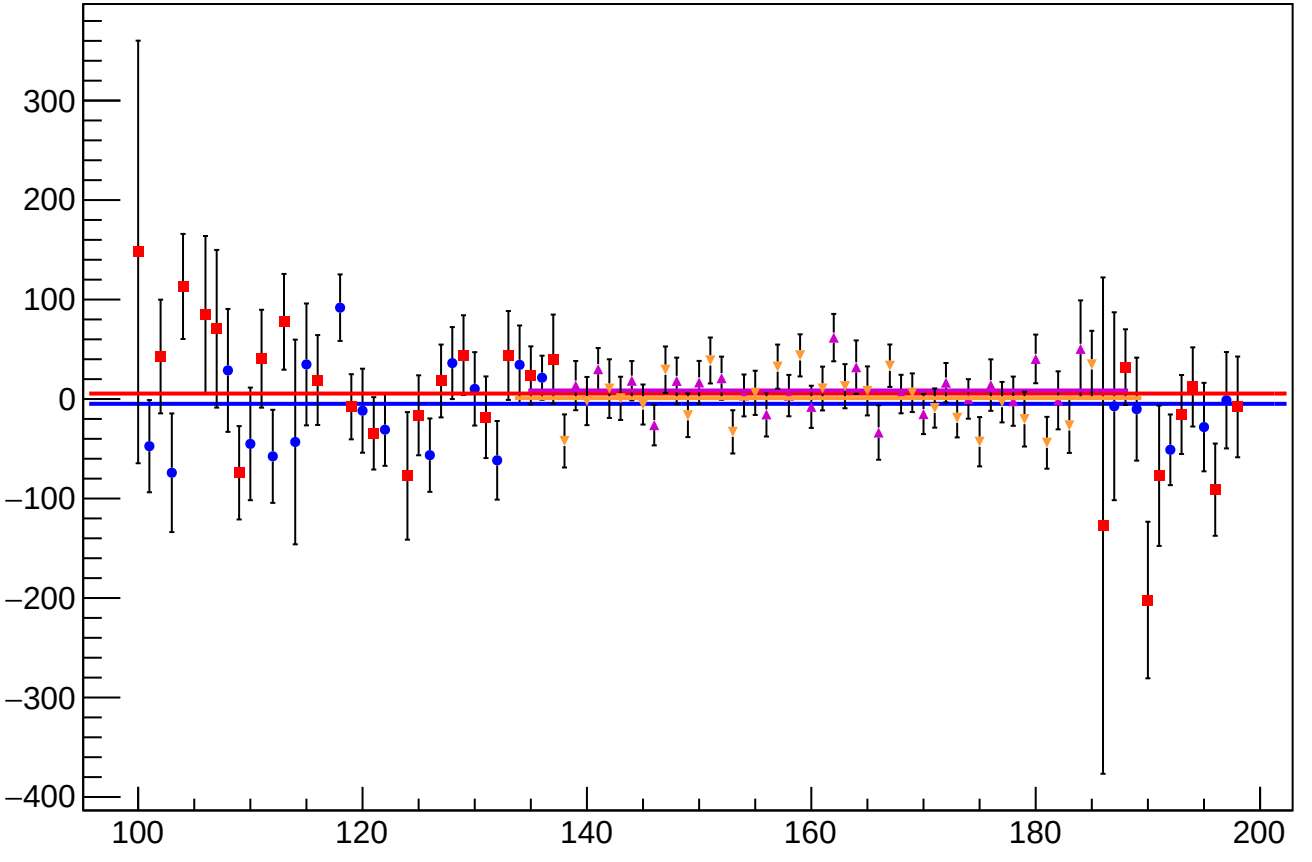
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10254379.8/45

All: 0.000+/-0.000 χ^2/NDF: 23326821.5/95

- sign 0.000+/-0.000 χ^2/NDF: 12907145.2/49

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.811+/-9.085 χ^2/NDF: 23.6/20

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.512+/-8.881 χ^2/NDF: 32.7/26

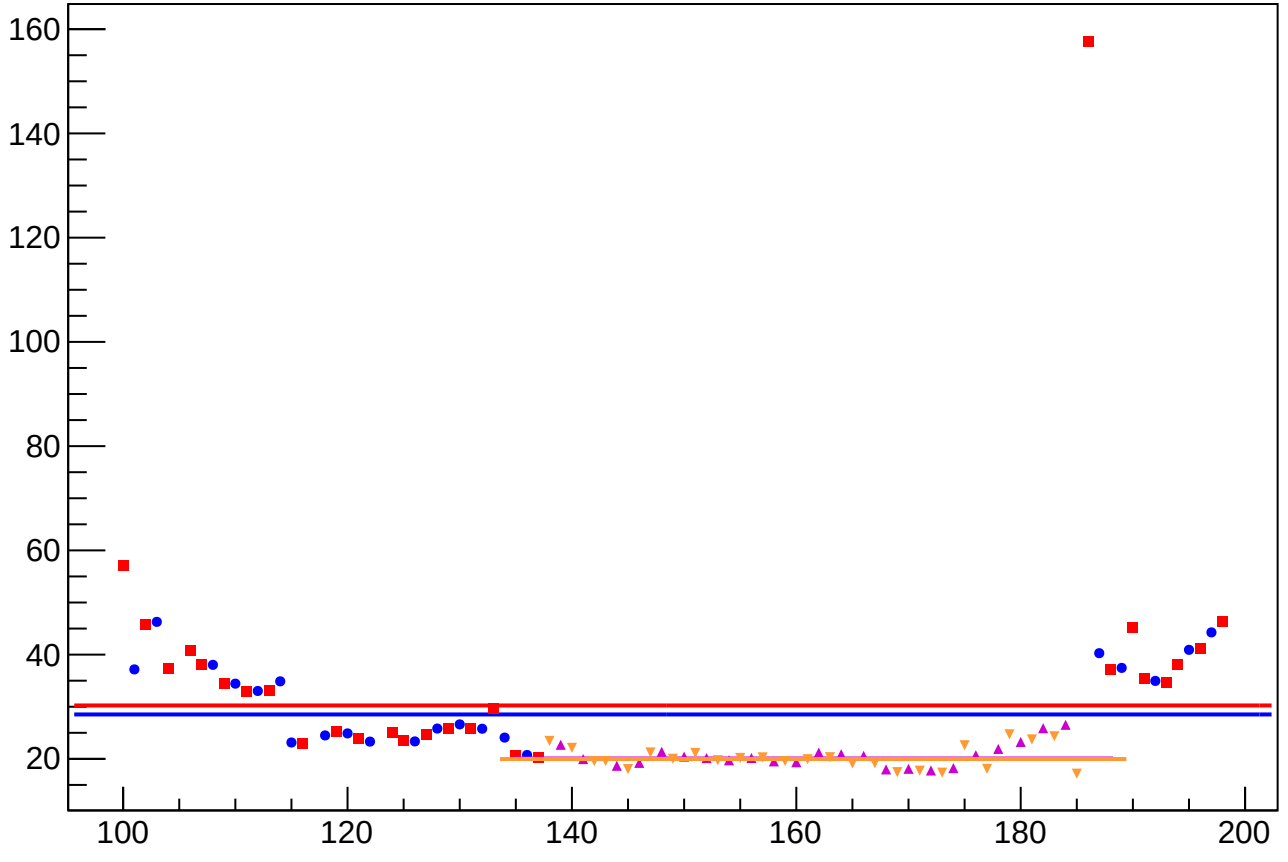
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.242+/-4.085 χ^2/NDF: 53.1/45

All: 3.755+/-2.918 χ^2/NDF: 107.2/95

- sign 7.919+/-4.170 χ^2/NDF: 52.1/49

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.522+/-0.006 χ^2/NDF: 1303357.3/20

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

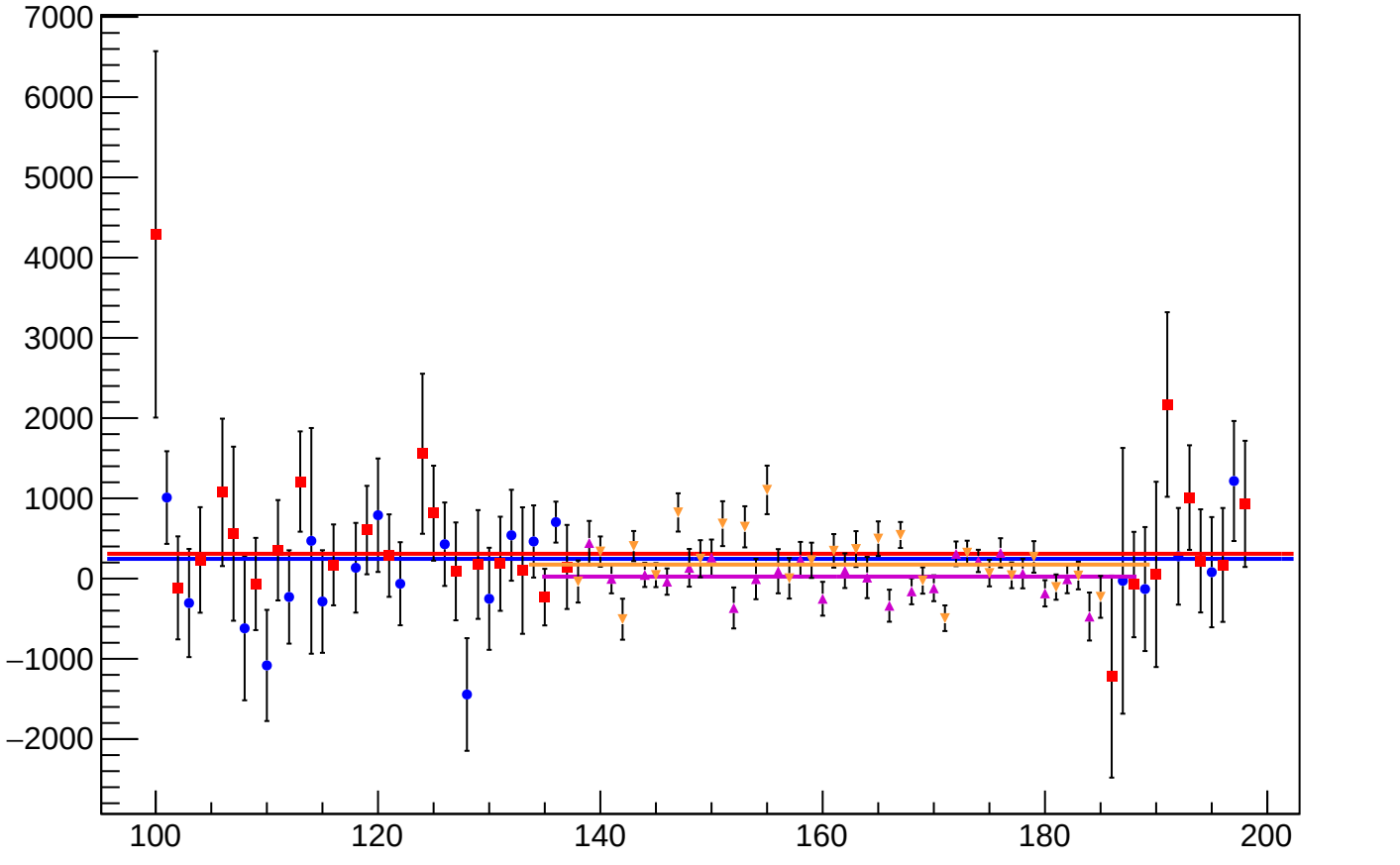
Right Out: 30.247+/-0.006 χ^2/NDF: 2025988.5/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.698+/-0.003 χ^2/NDF: 3104475.5/45

All: 22.001+/-0.002 χ^2/NDF: 7500580.2/95

- sign 22.316+/-0.003 χ^2/NDF: 4373718.9/49



Right In: 245.566+/-125.317 χ^2/NDF: 21.7/20

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: 308.903+/-125.117 χ^2/NDF: 18.5/26

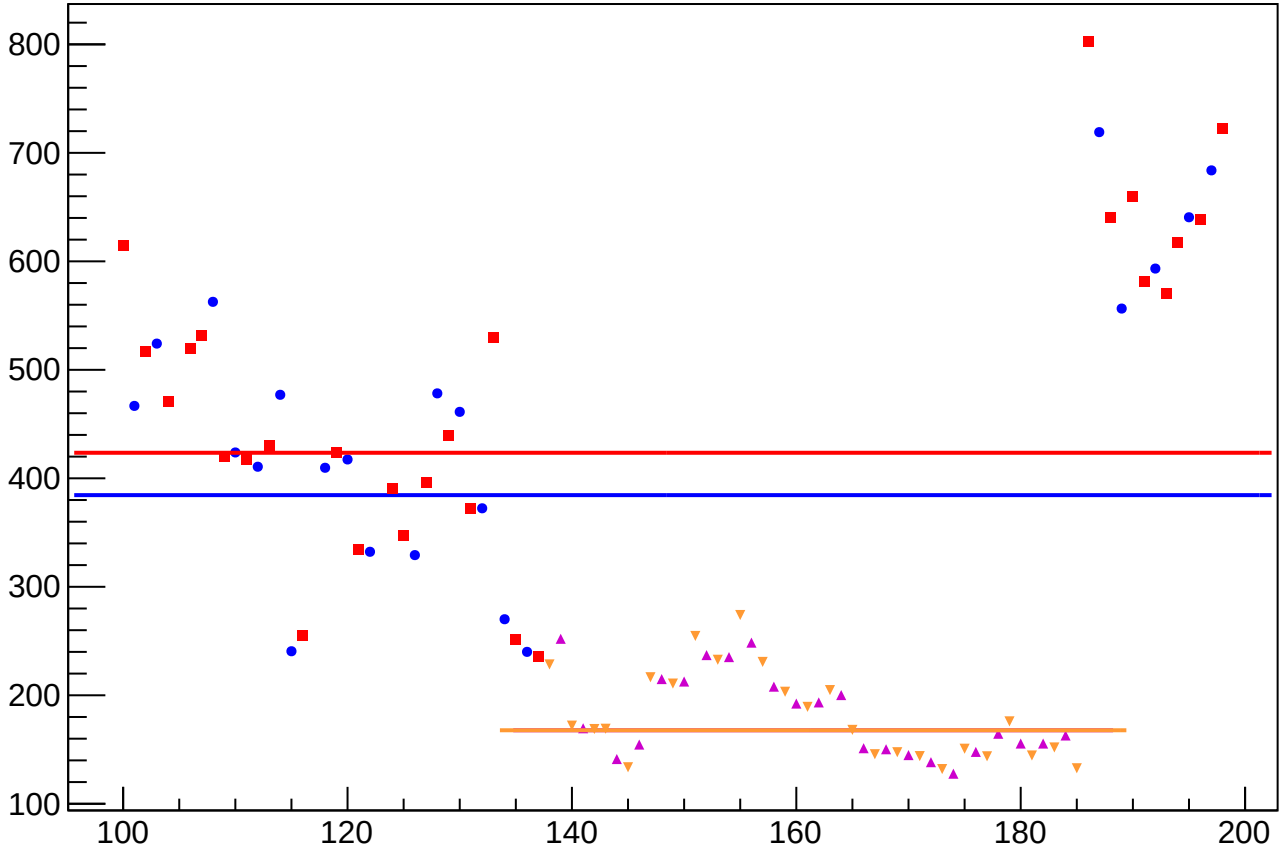
Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 180.965+/-37.281 χ^2/NDF: 93.2/45

All: 117.517+/-26.667 χ^2/NDF: 149.1/95

- sign 51.038+/-38.161 χ^2/NDF: 50.0/49

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 384.503+/-0.089 χ^2/NDF: 2232417.4/20

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 423.550+/-0.088 χ^2/NDF: 2494876.8/26

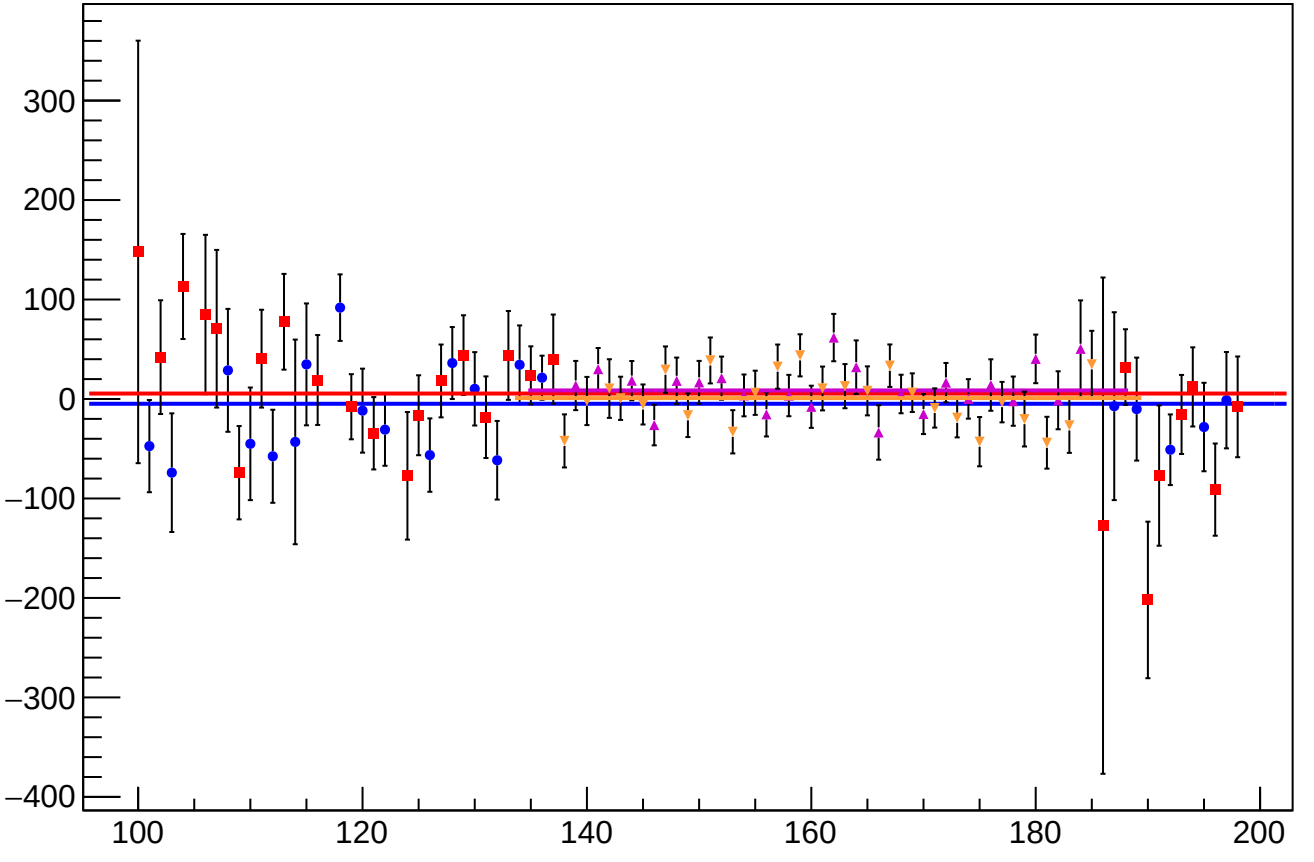
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 186.937+/-0.026 χ^2/NDF: 9264201.4/45

All: 189.187+/-0.019 χ^2/NDF: 20759440.9/95

- sign 191.545+/-0.027 χ^2/NDF: 11480322.2/49

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.809+/-9.085 χ^2/NDF: 23.6/20

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.481+/-8.882 χ^2/NDF: 32.7/26

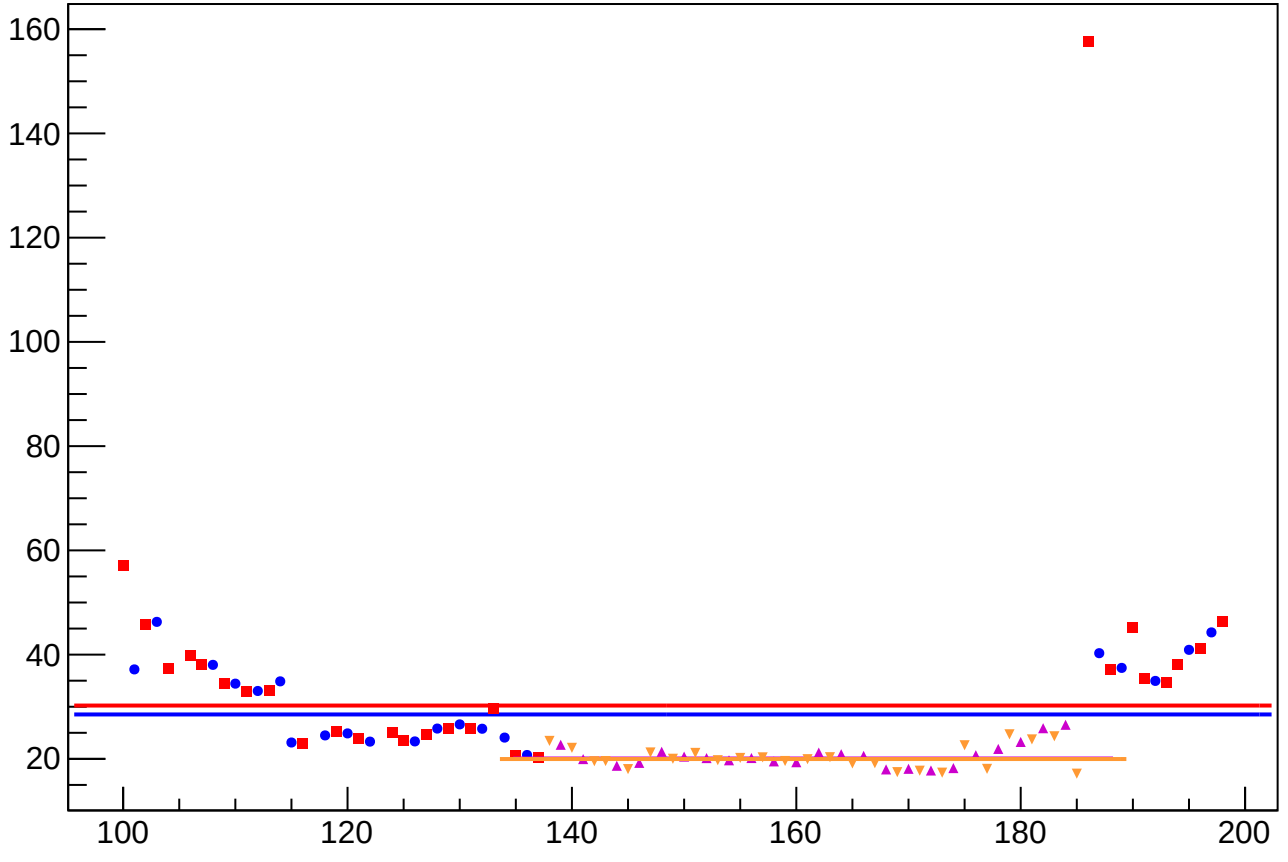
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.243+/-4.085 χ^2/NDF: 53.1/45

All: 3.751+/-2.918 χ^2/NDF: 107.2/95

- sign 7.913+/-4.170 χ^2/NDF: 52.1/49

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.522+/-0.006 χ^2/NDF: 1303360.6/20

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

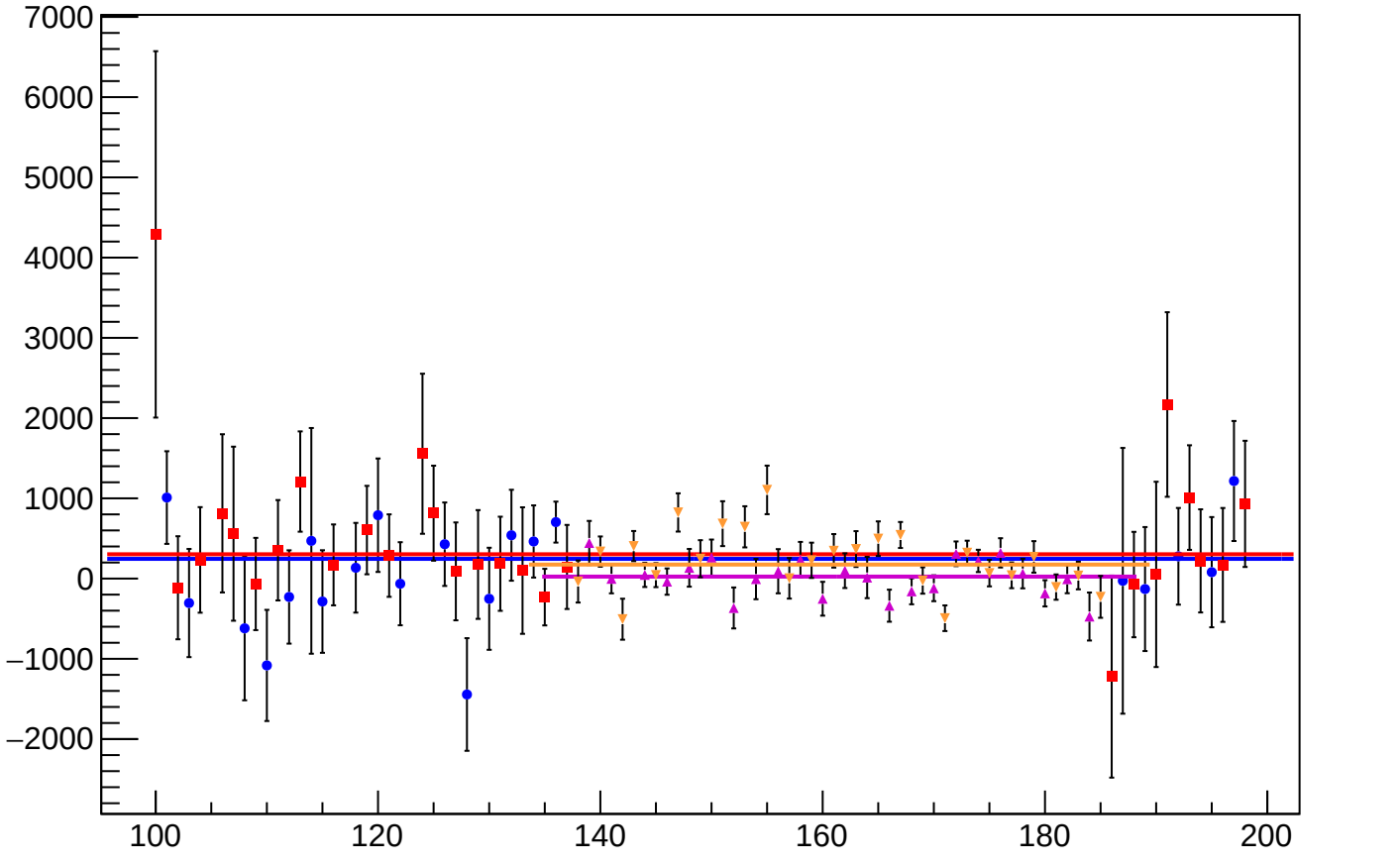
Right Out: 30.231+/-0.006 χ^2/NDF: 2018764.0/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.698+/-0.003 χ^2/NDF: 3104478.9/45

All: 21.999+/-0.002 χ^2/NDF: 7486404.1/95

- sign 22.312+/-0.003 χ^2/NDF: 4359820.4/49



Right In: 245.560+/-125.317 χ^2/NDF: 21.7/20

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

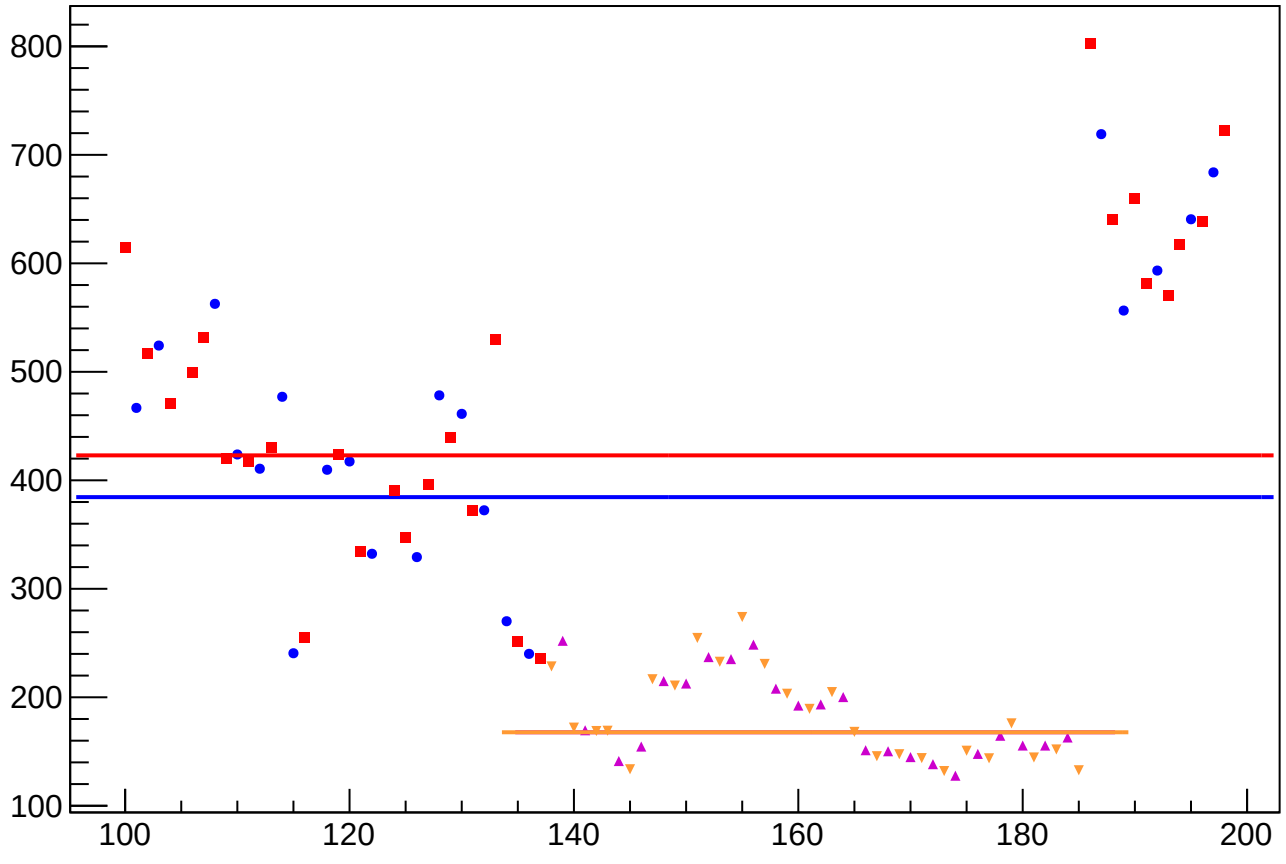
Right Out: 302.884+/-125.272 χ^2/NDF: 18.0/26

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 180.963+/-37.281 χ^2/NDF: 93.2/45

All: 117.222+/-26.669 χ^2/NDF: 148.5/95

- sign 50.420+/-38.165 χ^2/NDF: 49.4/49



Right In: 384.503+/-0.089 χ^2/NDF: 2232443.6/20

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 422.992+/-0.089 χ^2/NDF: 2484910.8/26

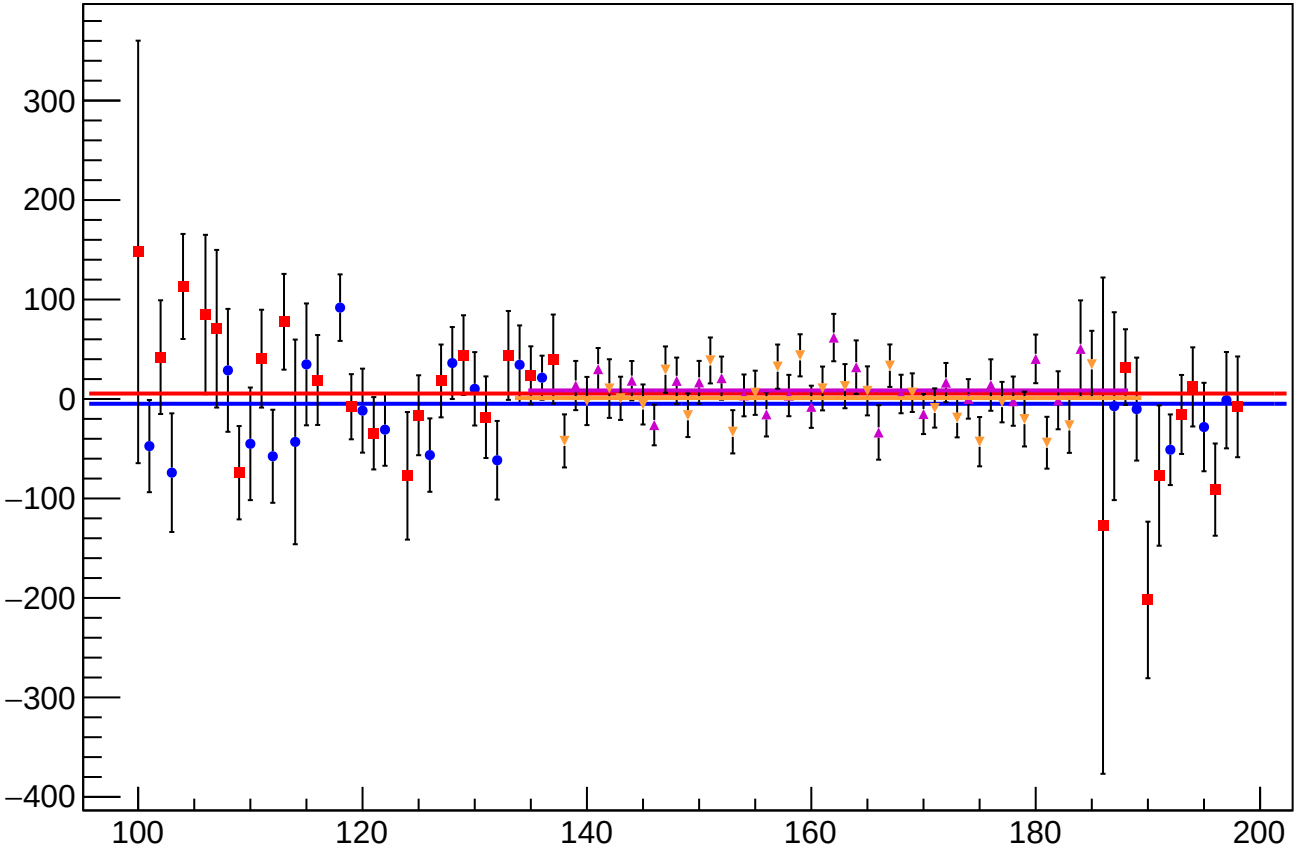
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 186.937+/-0.026 χ^2/NDF: 9264224.0/45

All: 189.136+/-0.019 χ^2/NDF: 20698801.9/95

- sign 191.439+/-0.027 χ^2/NDF: 11420335.0/49

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.809+/-9.085 χ^2/NDF: 23.6/20

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.481+/-8.882 χ^2/NDF: 32.7/26

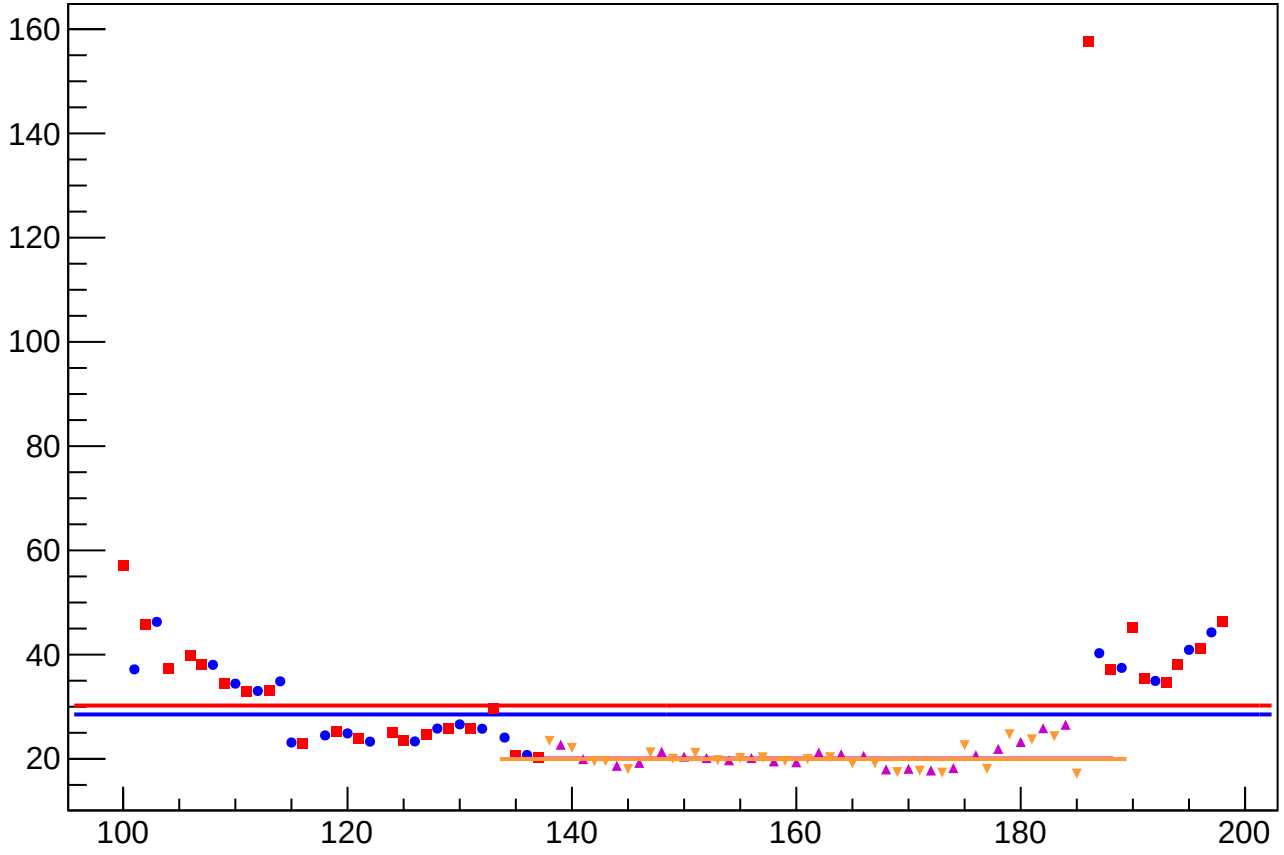
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

\+ sign -0.243+/-4.085 χ^2/NDF: 53.1/45

All: 3.751+/-2.918 χ^2/NDF: 107.2/95

\- sign 7.913+/-4.170 χ^2/NDF: 52.1/49

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.522+/-0.006 χ^2/NDF: 1303360.6/20

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

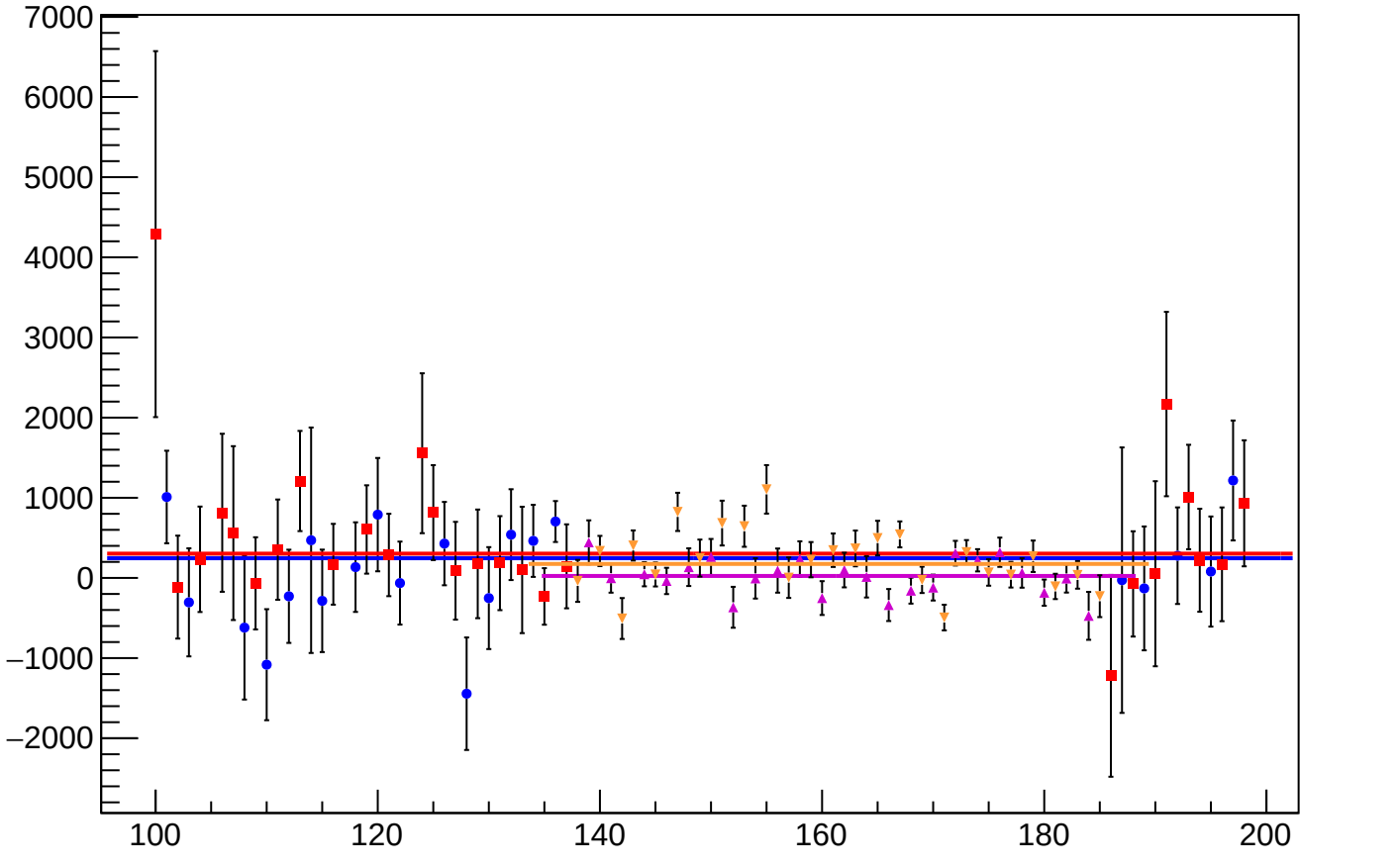
Right Out: 30.231+/-0.006 χ^2/NDF: 2018764.0/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.698+/-0.003 χ^2/NDF: 3104478.9/45

All: 21.999+/-0.002 χ^2/NDF: 7486404.1/95

- sign 22.312+/-0.003 χ^2/NDF: 4359820.4/49



Right In: 245.560+/-125.317 χ^2/NDF: 21.7/20

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

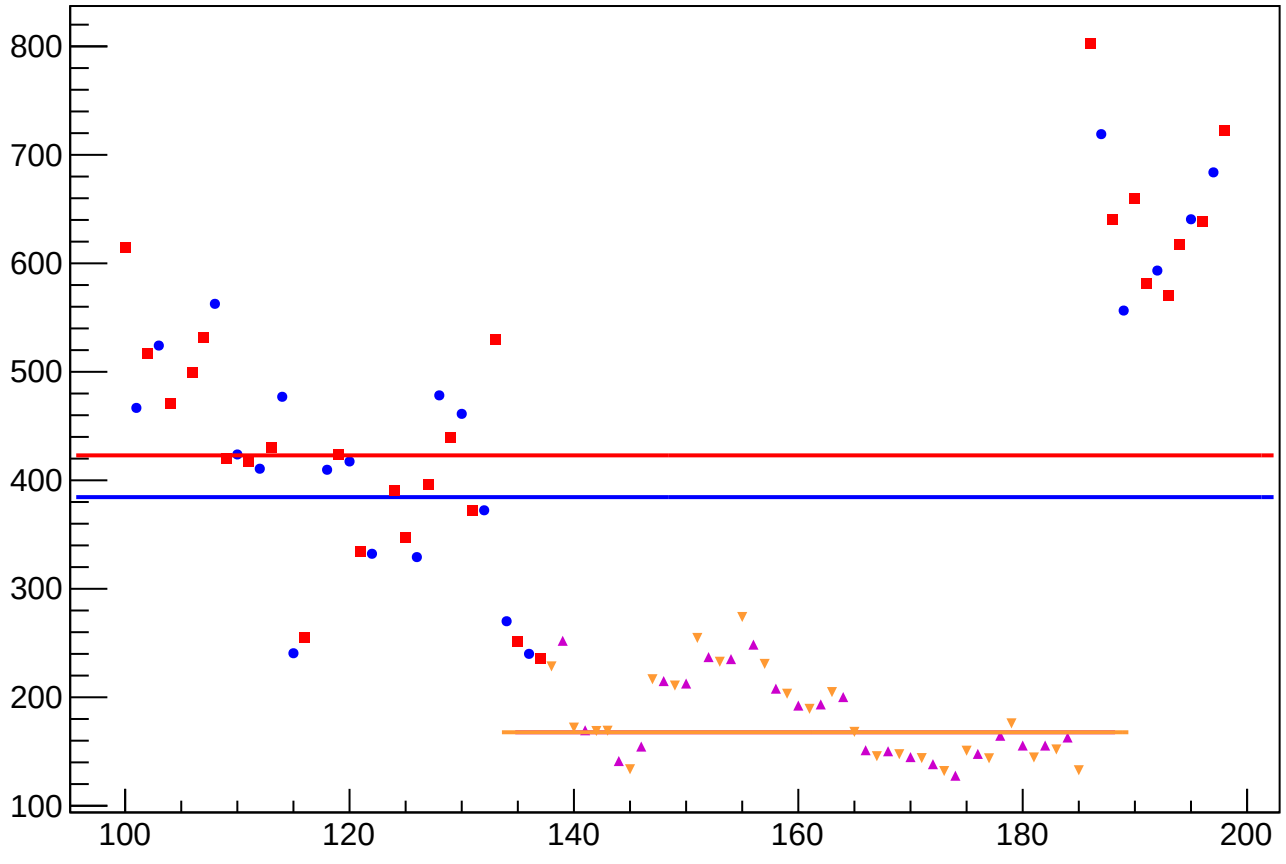
Right Out: 302.884+/-125.272 χ^2/NDF: 18.0/26

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 180.963+/-37.281 χ^2/NDF: 93.2/45

All: 117.222+/-26.669 χ^2/NDF: 148.5/95

- sign 50.420+/-38.165 χ^2/NDF: 49.4/49



Right In: 384.503+/-0.089 χ^2/NDF: 2232443.6/20

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 422.992+/-0.089 χ^2/NDF: 2484910.8/26

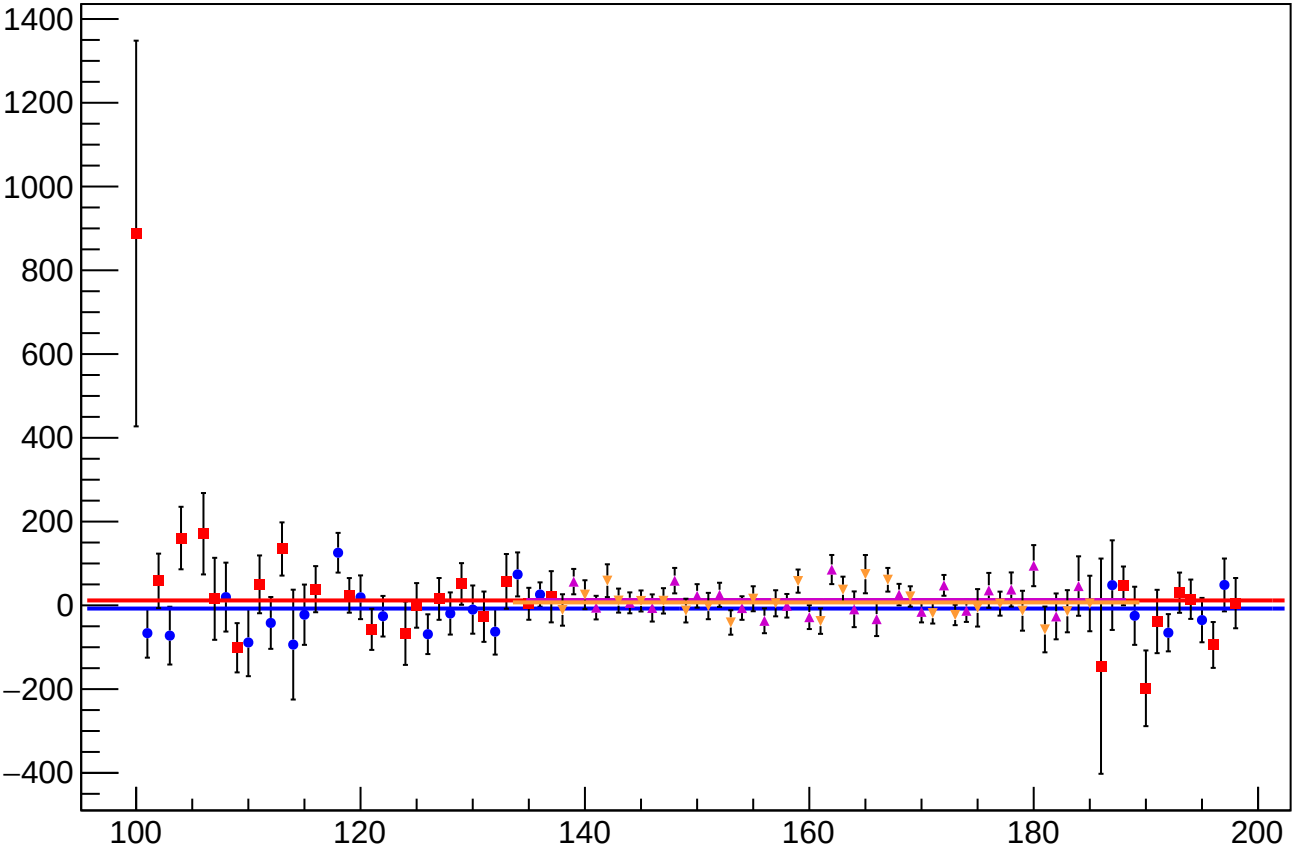
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 186.937+/-0.026 χ^2/NDF: 9264224.0/45

All: 189.136+/-0.019 χ^2/NDF: 20698801.9/95

- sign 191.439+/-0.027 χ^2/NDF: 11420335.0/49

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -7.648+/-11.966 χ^2/NDF: 21.7/20

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 11.743+/-11.334 χ^2/NDF: 34.3/26

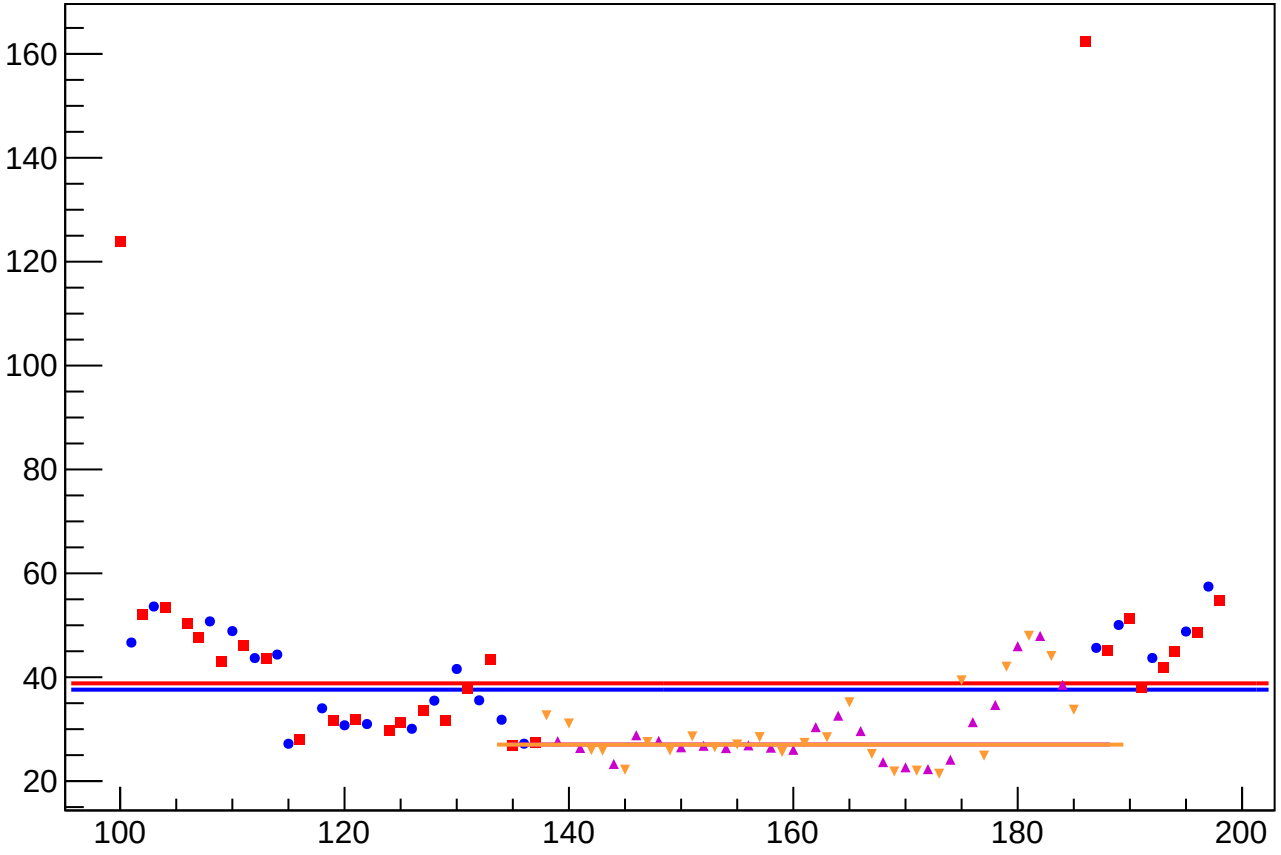
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.857+/-5.597 χ^2/NDF: 45.6/45

All: 8.120+/-3.976 χ^2/NDF: 106.6/95

- sign 12.460+/-5.647 χ^2/NDF: 59.9/49

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 37.604+/-0.008 χ^2/NDF: 1143270.6/20

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

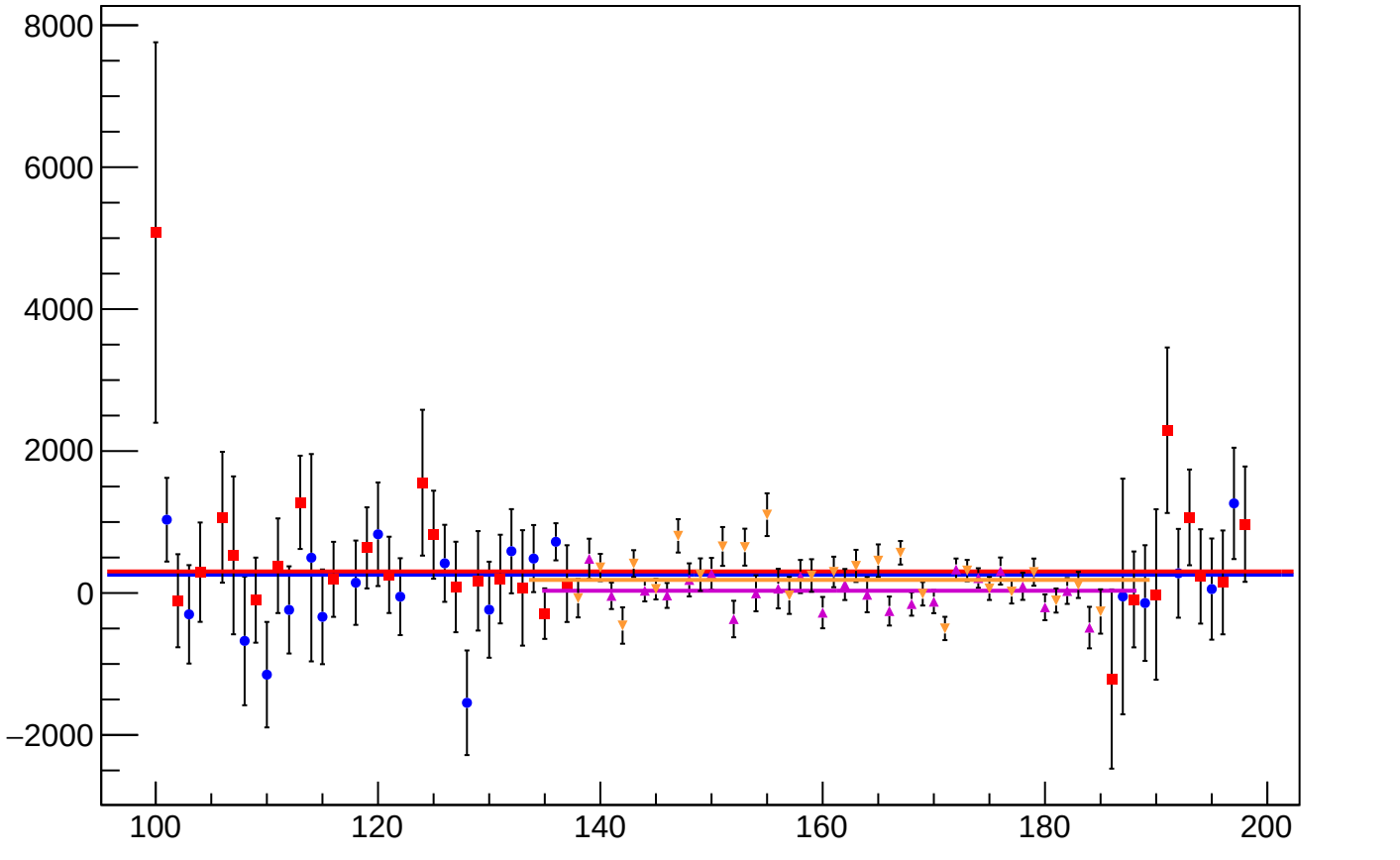
Right Out: 38.821+/-0.008 χ^2/NDF: 1682816.9/26

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 29.341+/-0.004 χ^2/NDF: 3794608.3/45

All: 29.655+/-0.003 χ^2/NDF: 8155493.1/95

- sign 29.974+/-0.004 χ^2/NDF: 4348212.1/49



Right In: 257.776+/-130.368 χ^2/NDF: 21.8/20

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

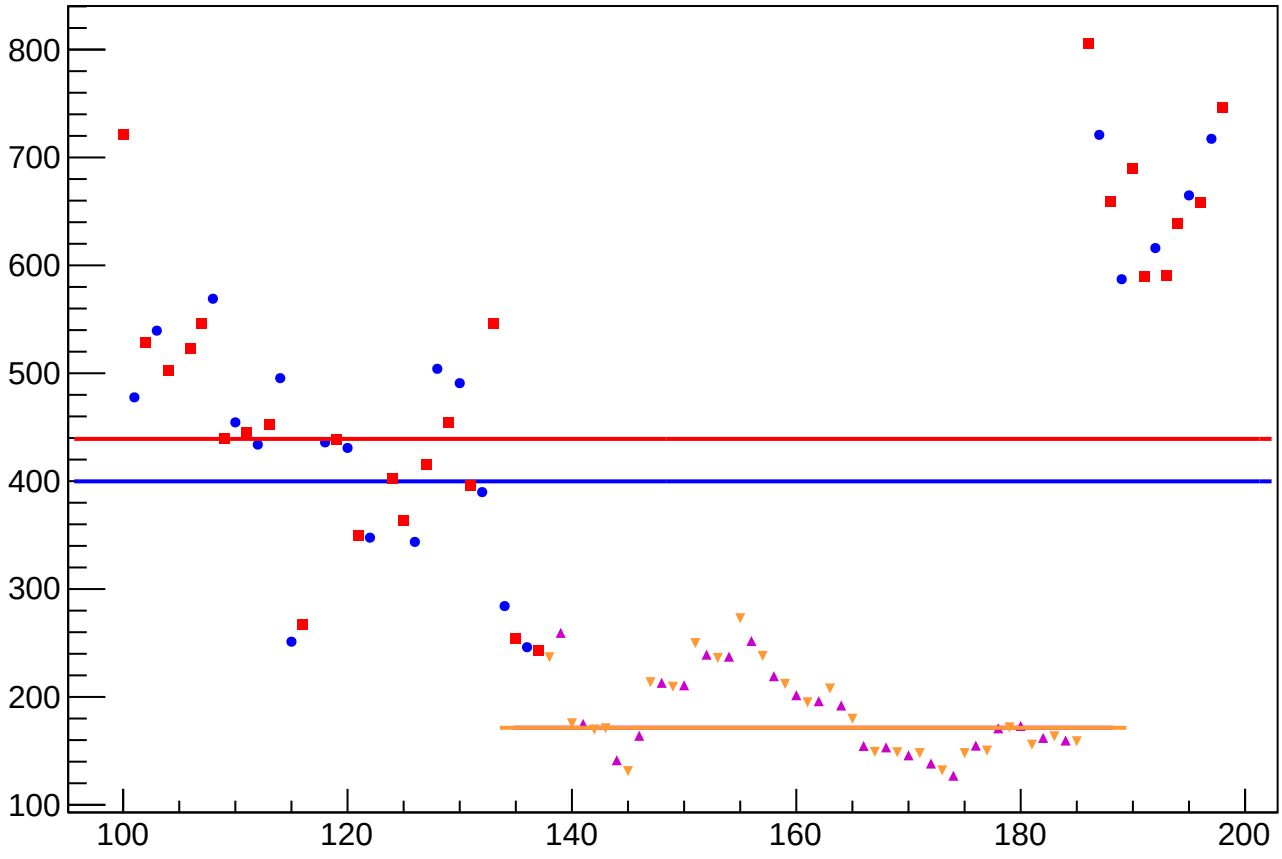
Right Out: 303.903+/-129.684 χ^2/NDF: 19.5/26

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 190.916+/-38.094 χ^2/NDF: 89.7/45

All: 125.450+/-27.275 χ^2/NDF: 145.6/95

- sign 56.581+/-39.071 χ^2/NDF: 49.8/49



Right In: 399.825+/-0.092 χ^2/NDF: 2272029.6/20

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 439.158+/-0.092 χ^2/NDF: 2506723.1/26

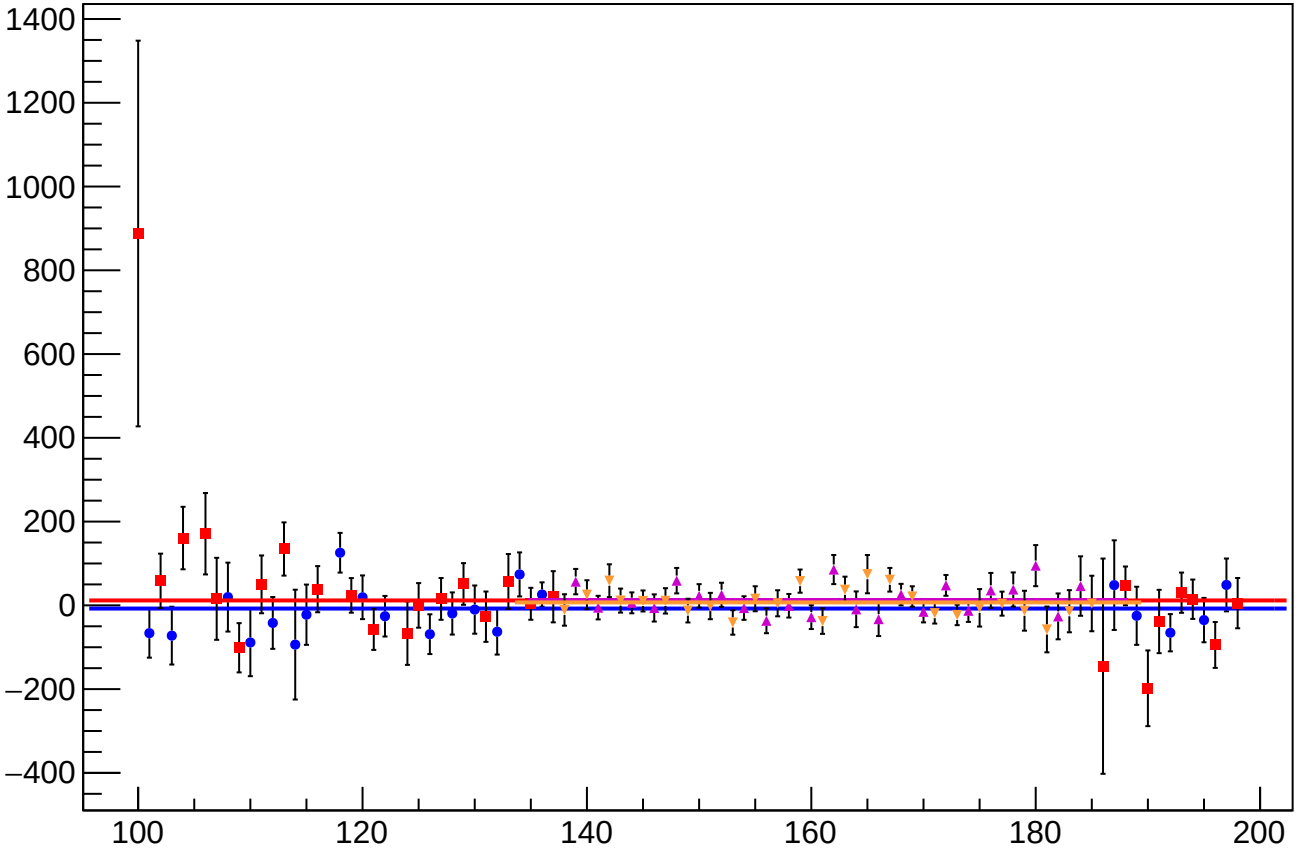
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 190.928+/-0.027 χ^2/NDF: 9413406.3/45

All: 193.295+/-0.019 χ^2/NDF: 21098569.9/95

- sign 195.786+/-0.028 χ^2/NDF: 11669311.4/49

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -7.649+/-11.966 χ^2/NDF: 21.7/20

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 11.743+/-11.334 χ^2/NDF: 34.3/26

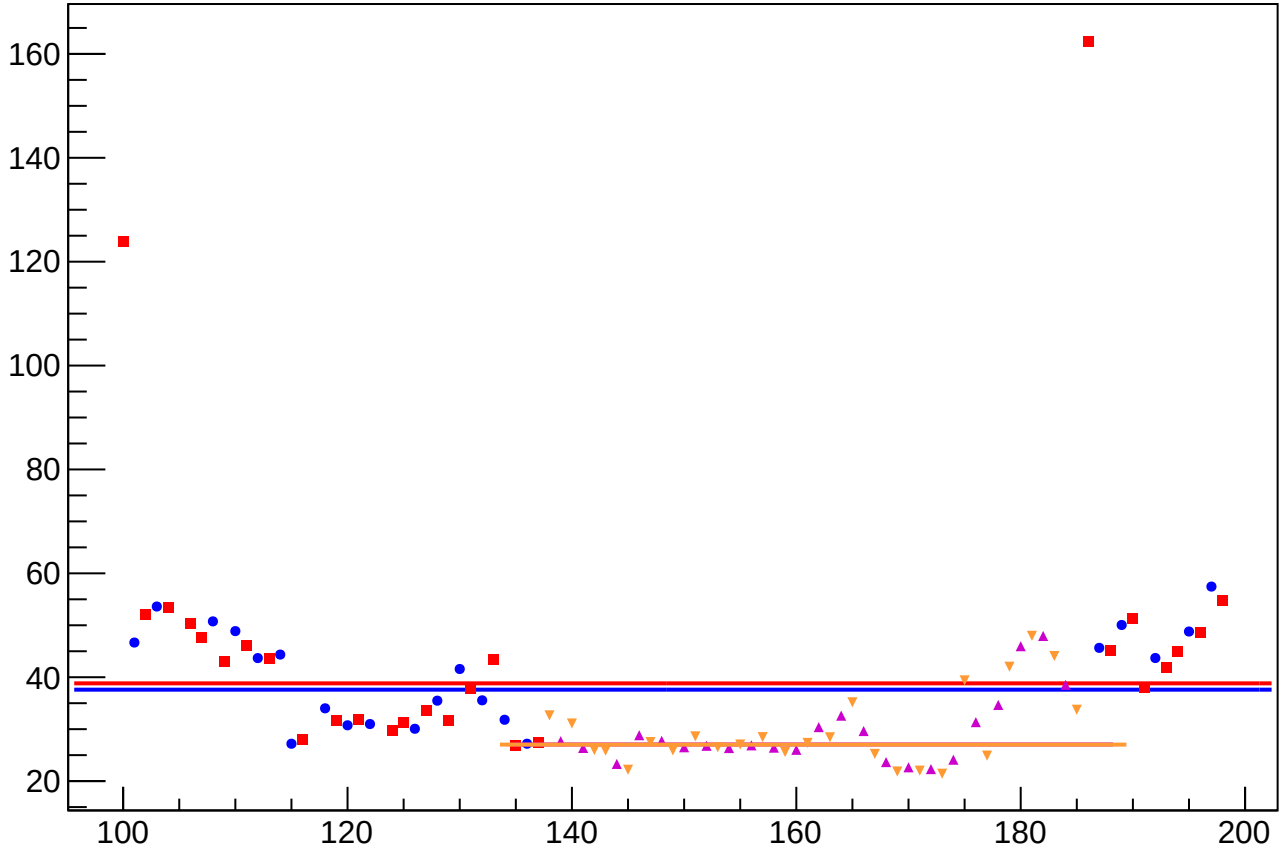
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.856+/-5.597 χ^2/NDF: 45.6/45

All: 8.120+/-3.976 χ^2/NDF: 106.6/95

- sign 12.460+/-5.647 χ^2/NDF: 59.9/49

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 37.603+/-0.008 χ^2/NDF: 1143263.2/20

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

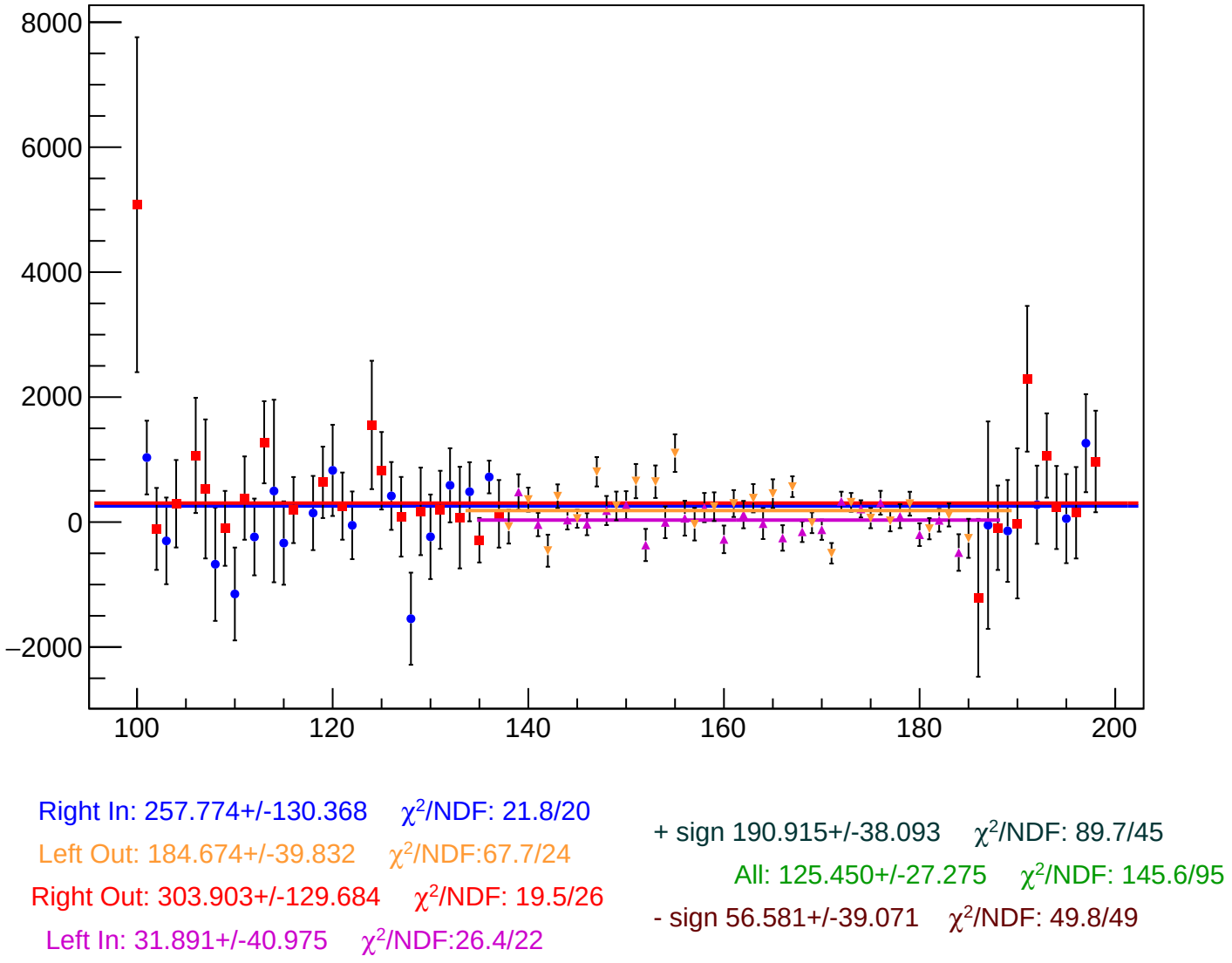
Right Out: 38.821+/-0.008 χ^2/NDF: 1682824.0/26

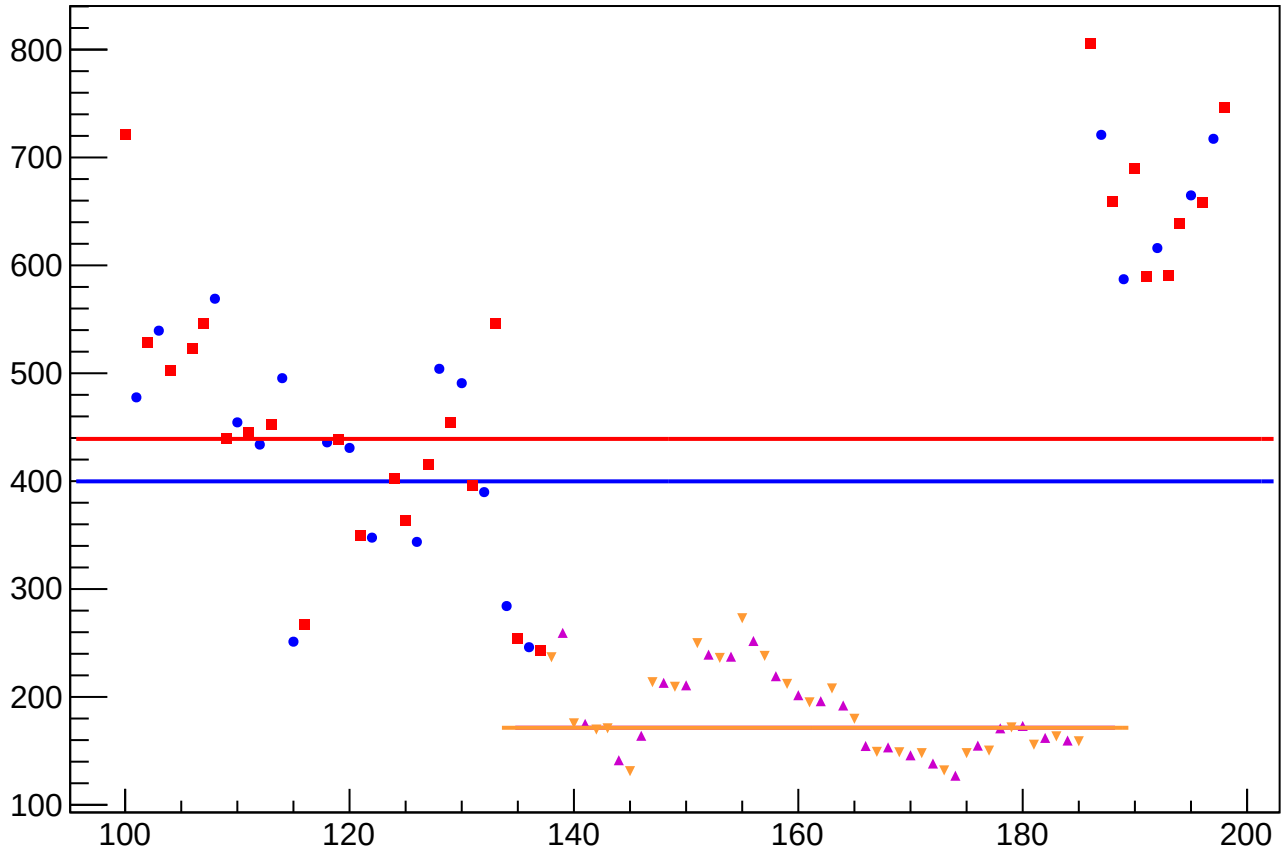
Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 29.341+/-0.004 χ^2/NDF: 3794507.0/45

All: 29.655+/-0.003 χ^2/NDF: 8155276.9/95

- sign 29.974+/-0.004 χ^2/NDF: 4348098.0/49


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 257.774+/-130.368 χ²/NDF: 21.8/20
Left Out: 184.674+/-39.832 χ²/NDF:67.7/24
Right Out: 303.903+/-129.684 χ²/NDF: 19.5/26
Left In: 31.891+/-40.975 χ²/NDF:26.4/22
+ sign 190.915+/-38.093 χ²/NDF: 89.7/45
All: 125.450+/-27.275 χ²/NDF: 145.6/95
- sign 56.581+/-39.071 χ²/NDF: 49.8/49



Right In: 399.824+/-0.092 χ^2/NDF: 2272030.8/20

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 439.157+/-0.092 χ^2/NDF: 2506730.3/26

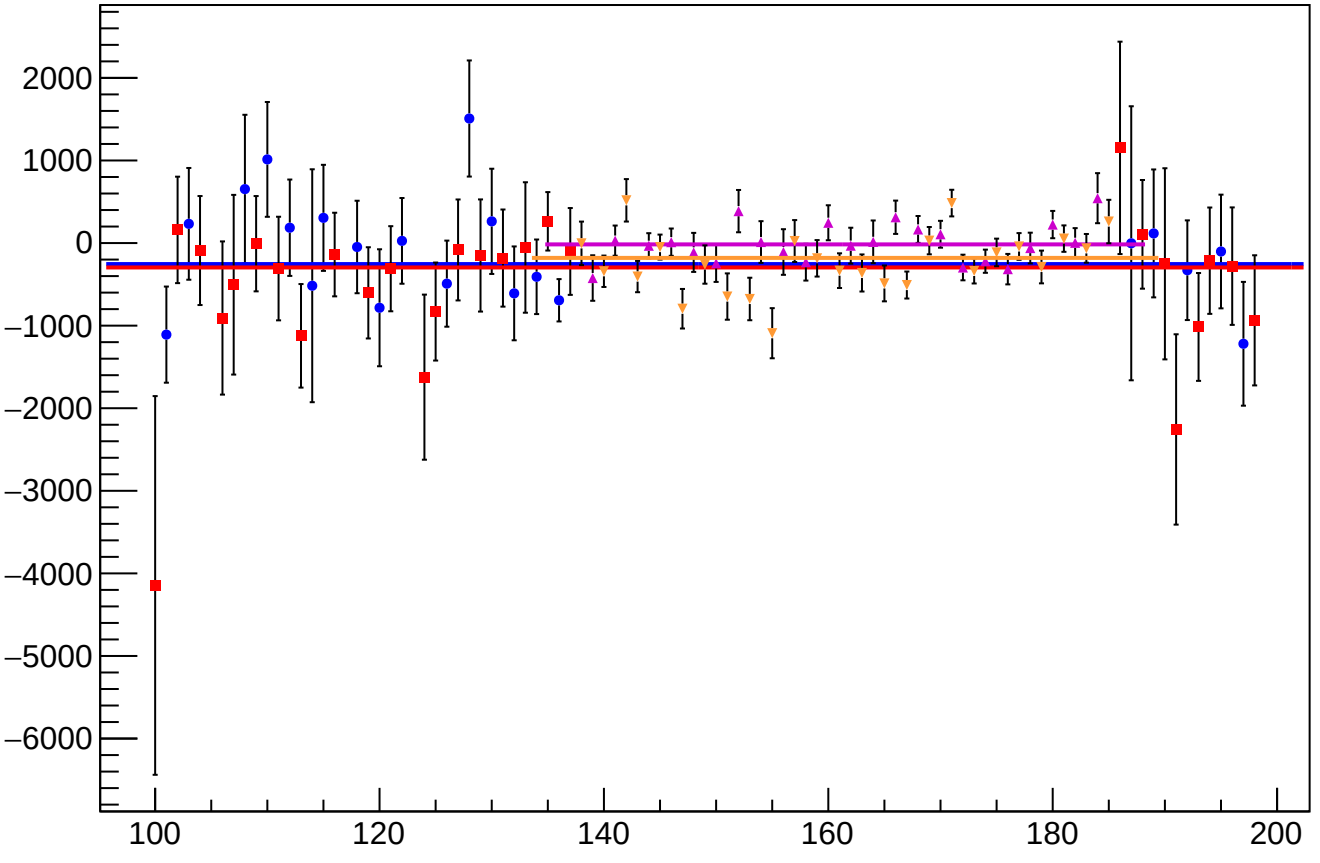
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 190.927+/-0.027 χ^2/NDF: 9413431.6/45

All: 193.295+/-0.019 χ^2/NDF: 21098629.1/95

- sign 195.785+/-0.028 χ^2/NDF: 11669346.0/49

asym_sam_1357_2468_dd_mean vs Slug



Right In: -254.372+/-125.736 χ^2/NDF: 21.9/20

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -295.492+/-125.512 χ^2/NDF: 18.2/26

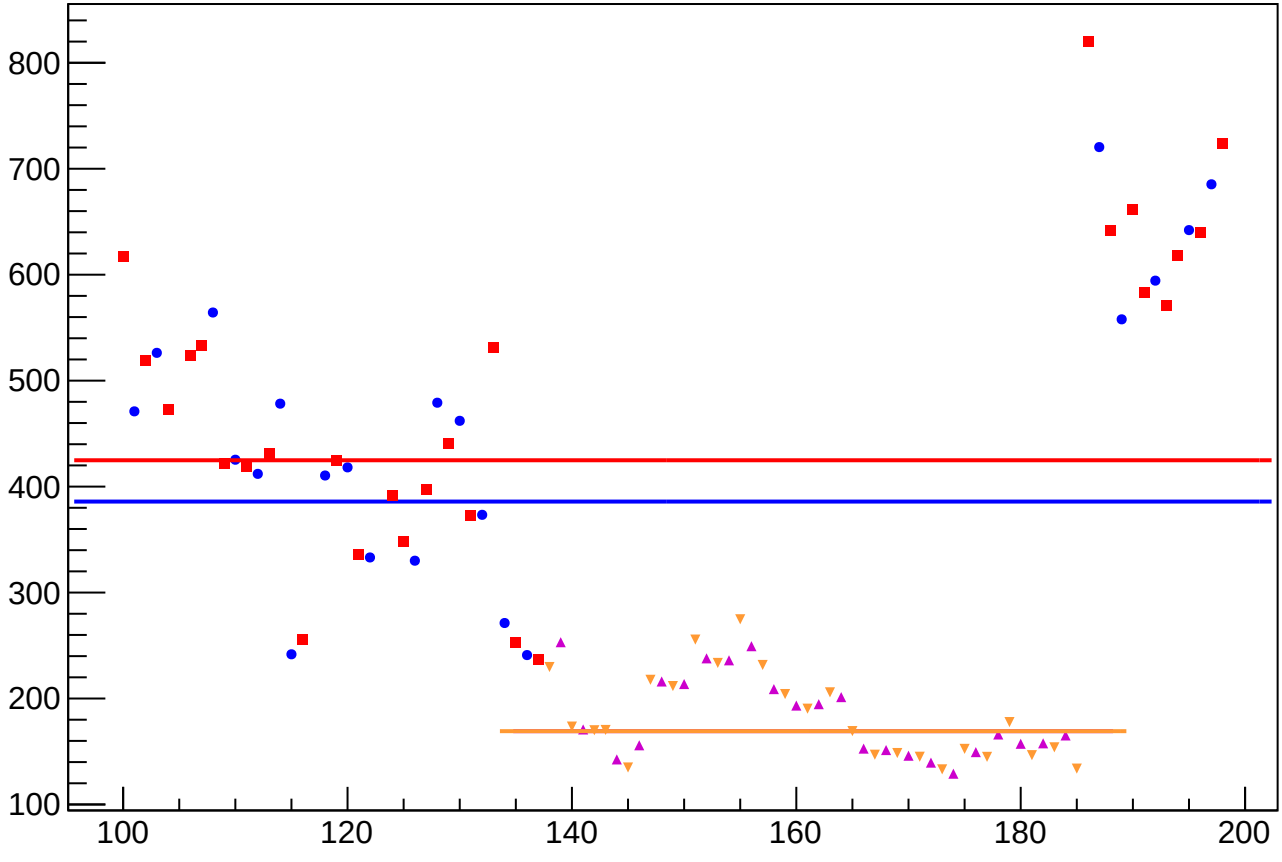
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -186.325+/-37.566 χ^2/NDF: 89.4/45

All: -115.988+/-26.871 χ^2/NDF: 145.9/95

- sign -42.286+/-38.454 χ^2/NDF: 49.3/49

asym_sam_1357_2468_dd_rms vs Slug



Right In: 385.884+/-0.089 χ^2/NDF: 2226219.7/20

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

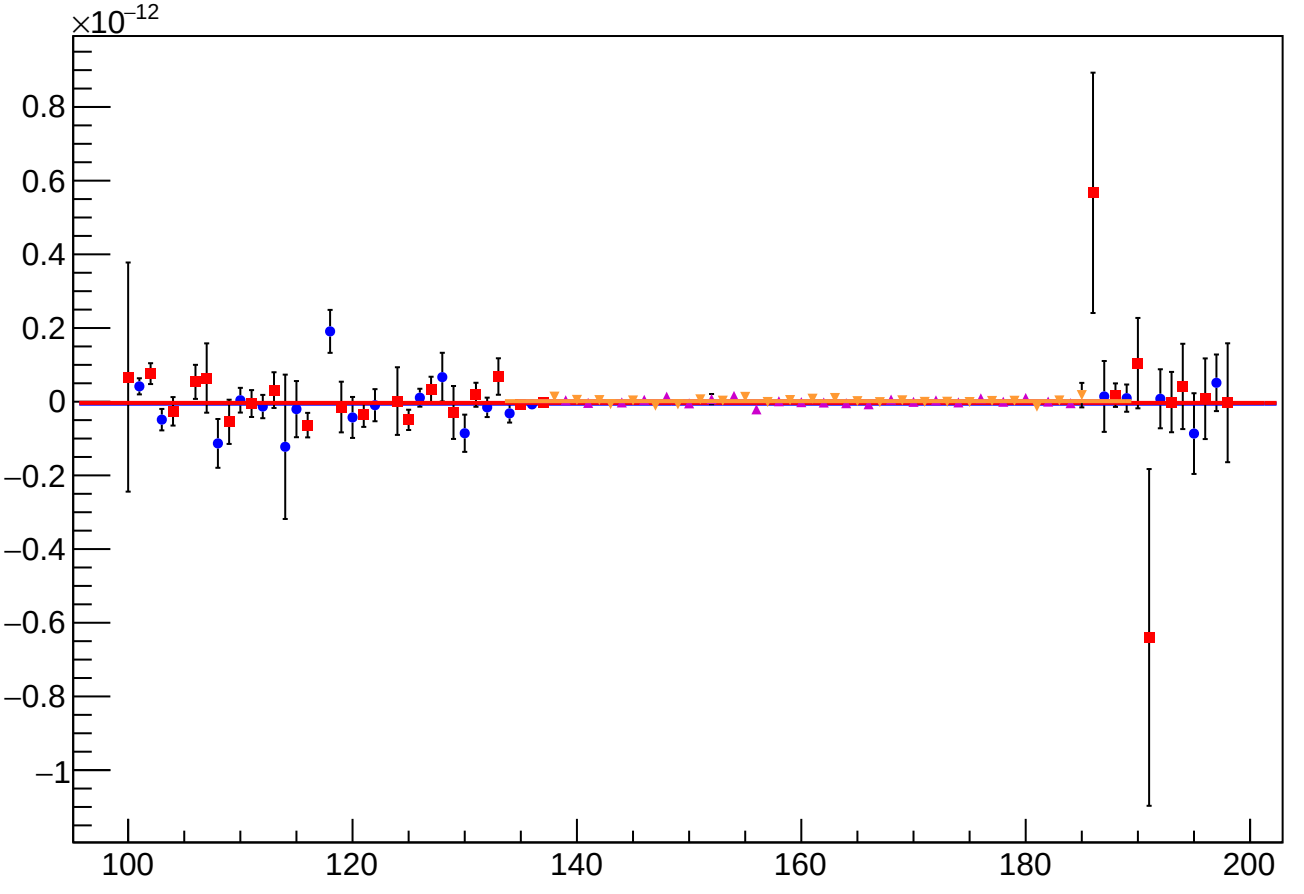
Right Out: 424.860+/-0.089 χ^2/NDF: 2496648.2/26

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 188.525+/-0.027 χ^2/NDF: 9184342.6/45

All: 190.801+/-0.019 χ^2/NDF: 20590529.7/95

- sign 193.186+/-0.027 χ^2/NDF: 11391151.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

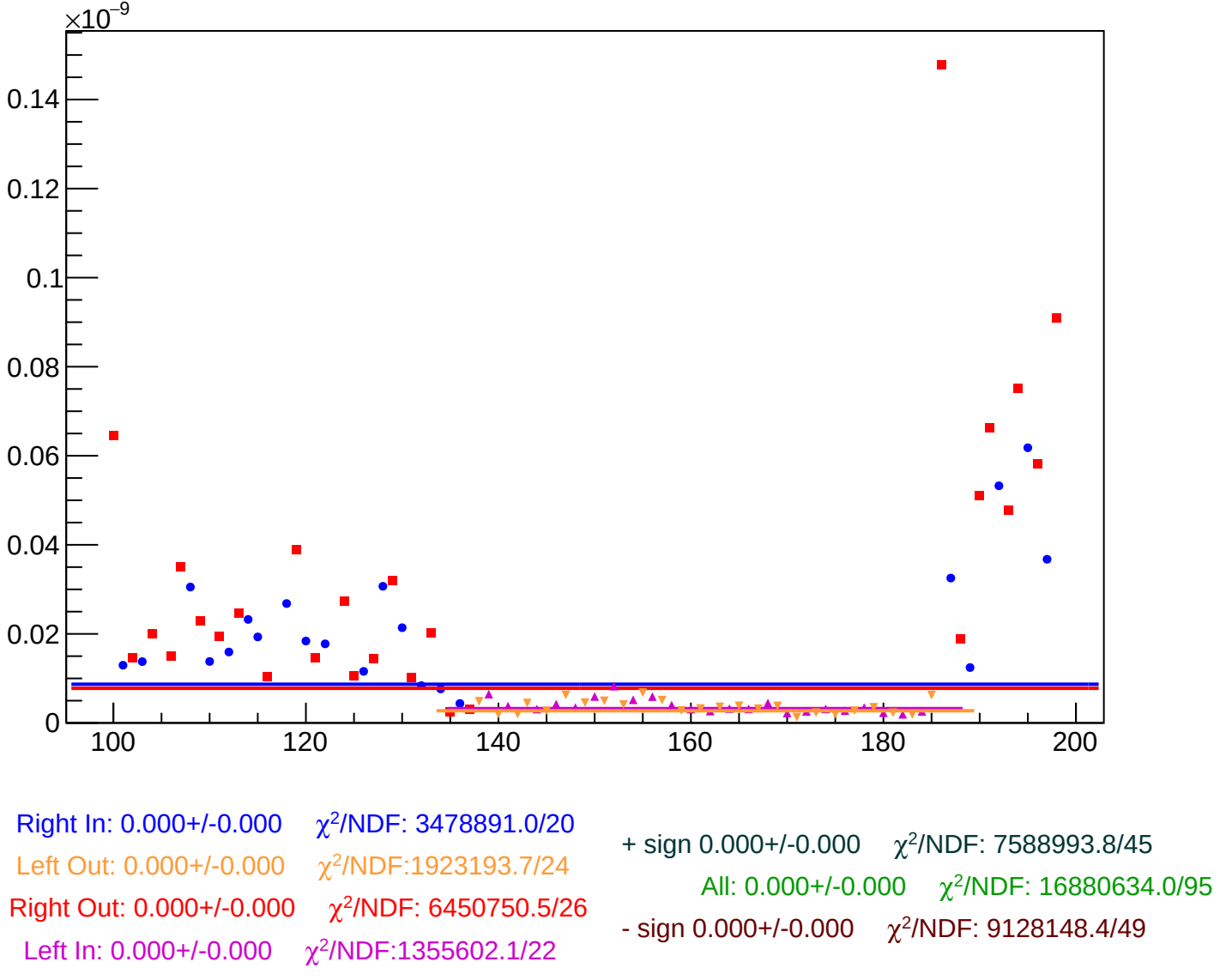
Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/26

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

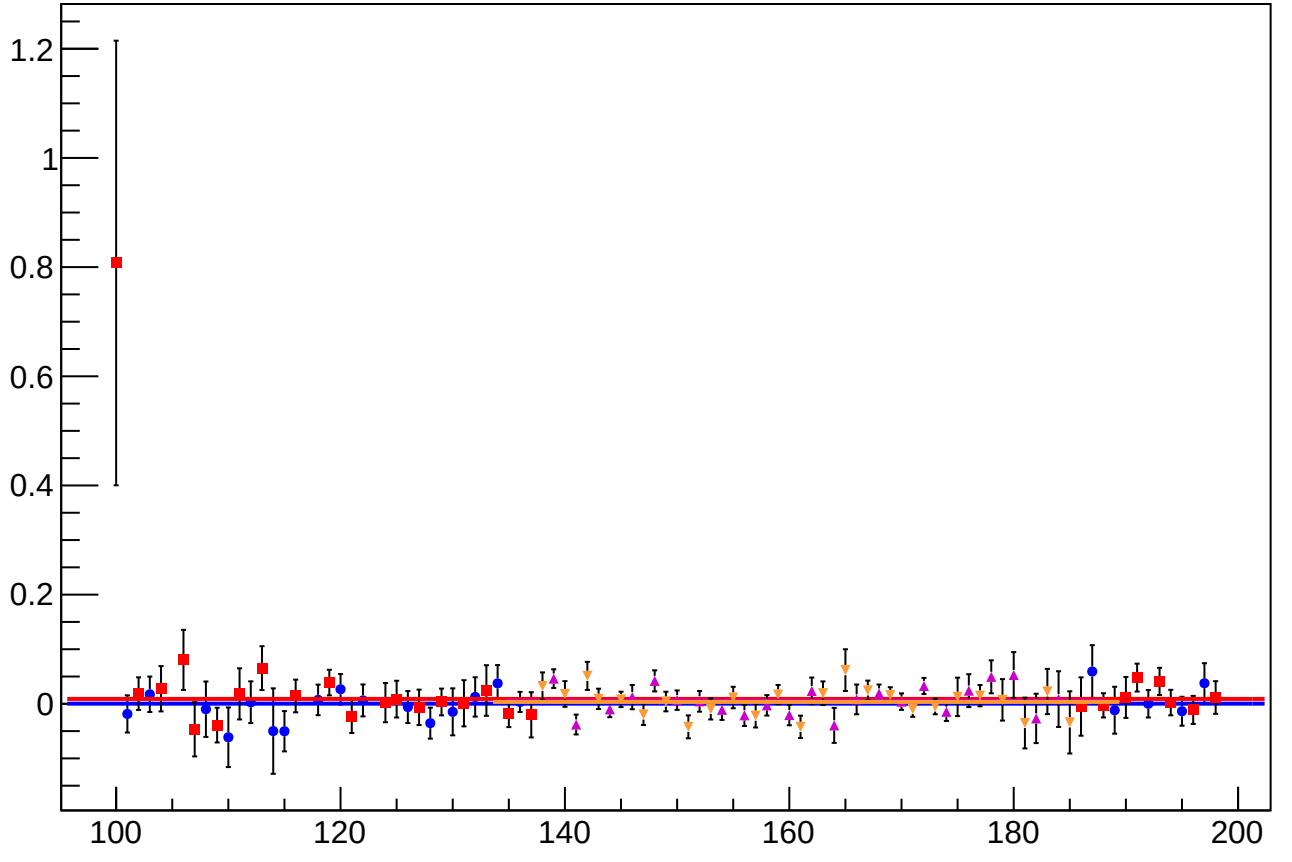
+ sign 0.000+/-0.000 χ^2/NDF: 48.9/45

All: 0.000+/-0.000 χ^2/NDF: 98.6/95

- sign 0.000+/-0.000 χ^2/NDF: 49.7/49


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3478891.0/20
Left Out: 0.000+/-0.000 χ²/NDF:1923193.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6450750.5/26
Left In: 0.000+/-0.000 χ²/NDF:1355602.1/22
+ sign 0.000+/-0.000 χ²/NDF: 7588993.8/45
All: 0.000+/-0.000 χ²/NDF: 16880634.0/95
- sign 0.000+/-0.000 χ²/NDF: 9128148.4/49

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

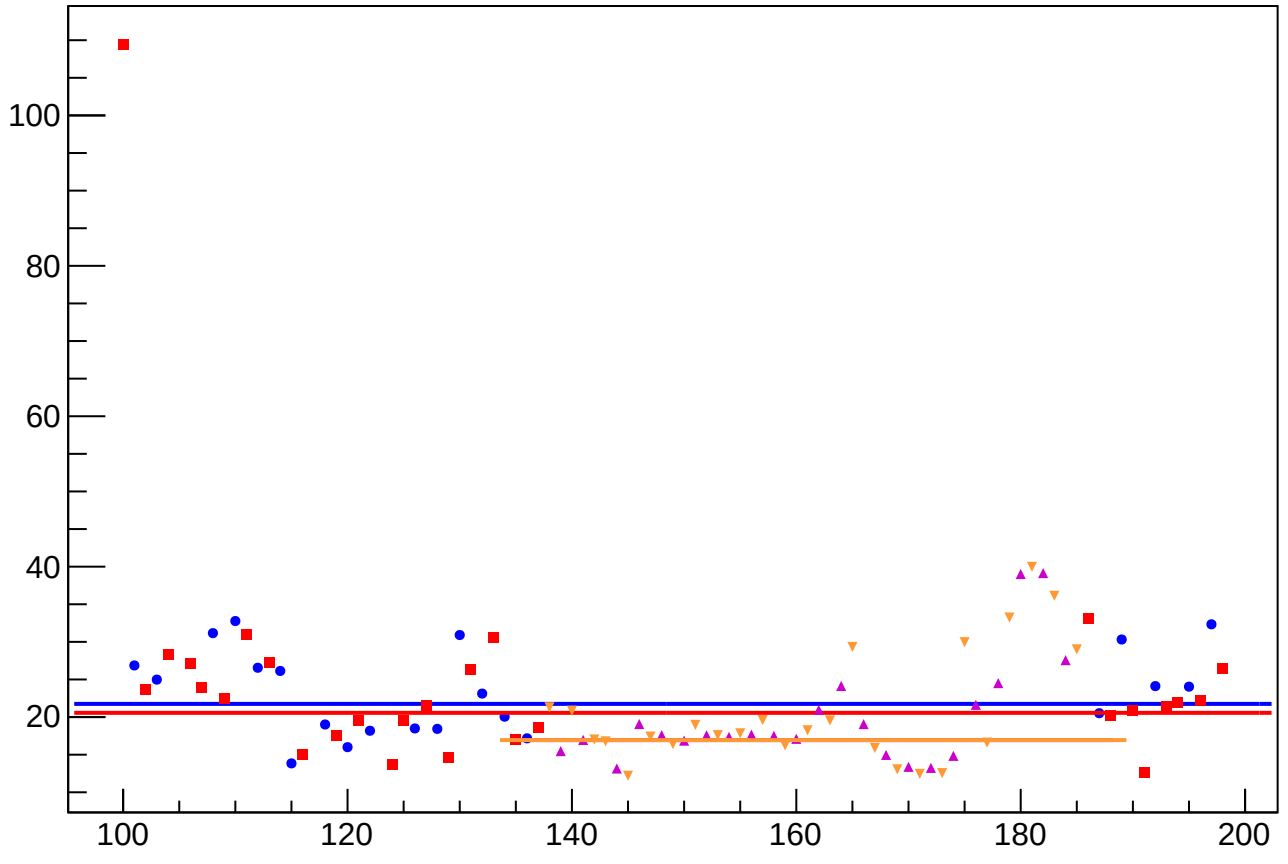
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 38.3/45

All: 0.005+/-0.002 χ^2/NDF: 93.7/95

- sign 0.007+/-0.003 χ^2/NDF: 54.8/49



Right In: 21.755+/-0.005 χ^2/NDF: 1032351.6/20

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.565+/-0.004 χ^2/NDF: 1267332.1/26

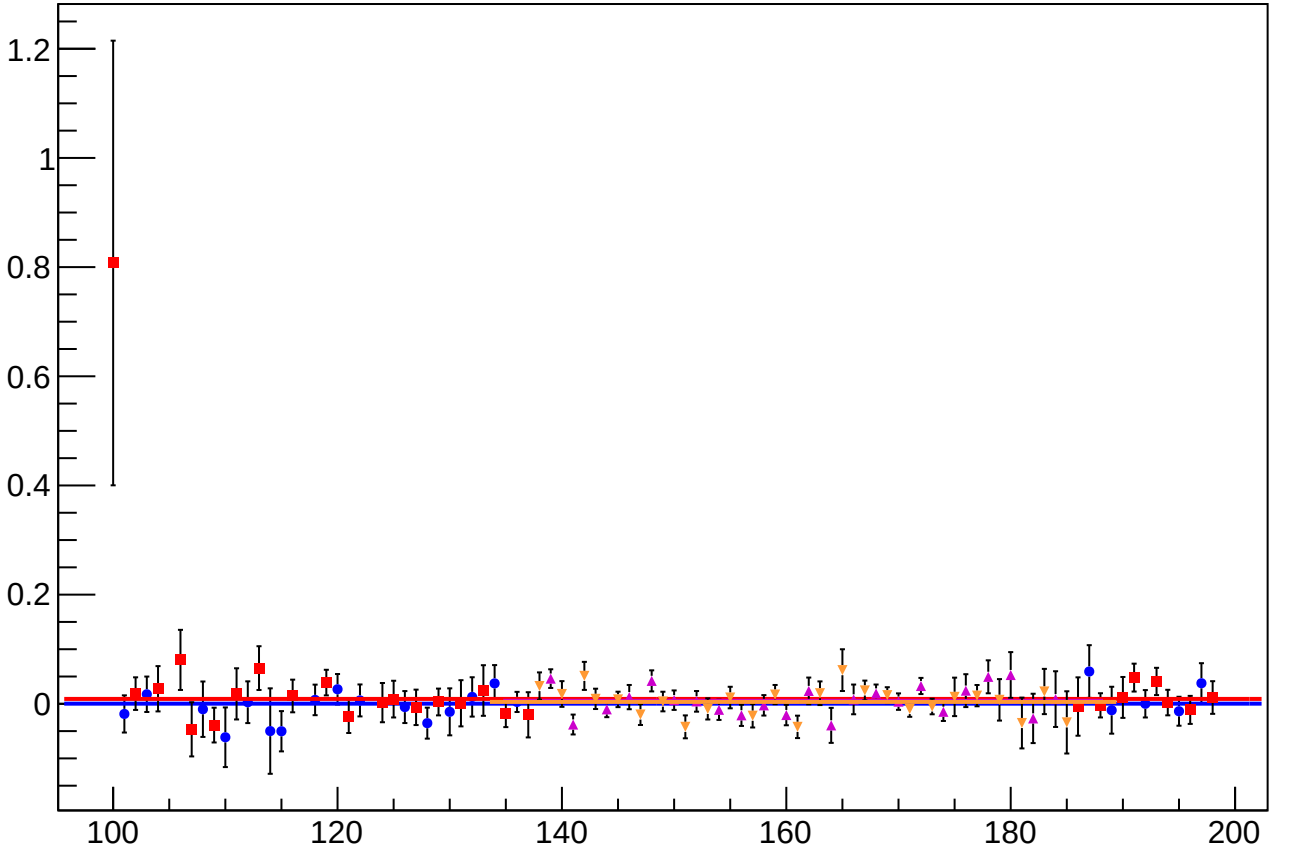
Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 18.151+/-0.003 χ^2/NDF: 4567287.6/45

All: 18.126+/-0.002 χ^2/NDF: 8254471.8/95

\- sign 18.101+/-0.002 χ^2/NDF: 3686979.8/49

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

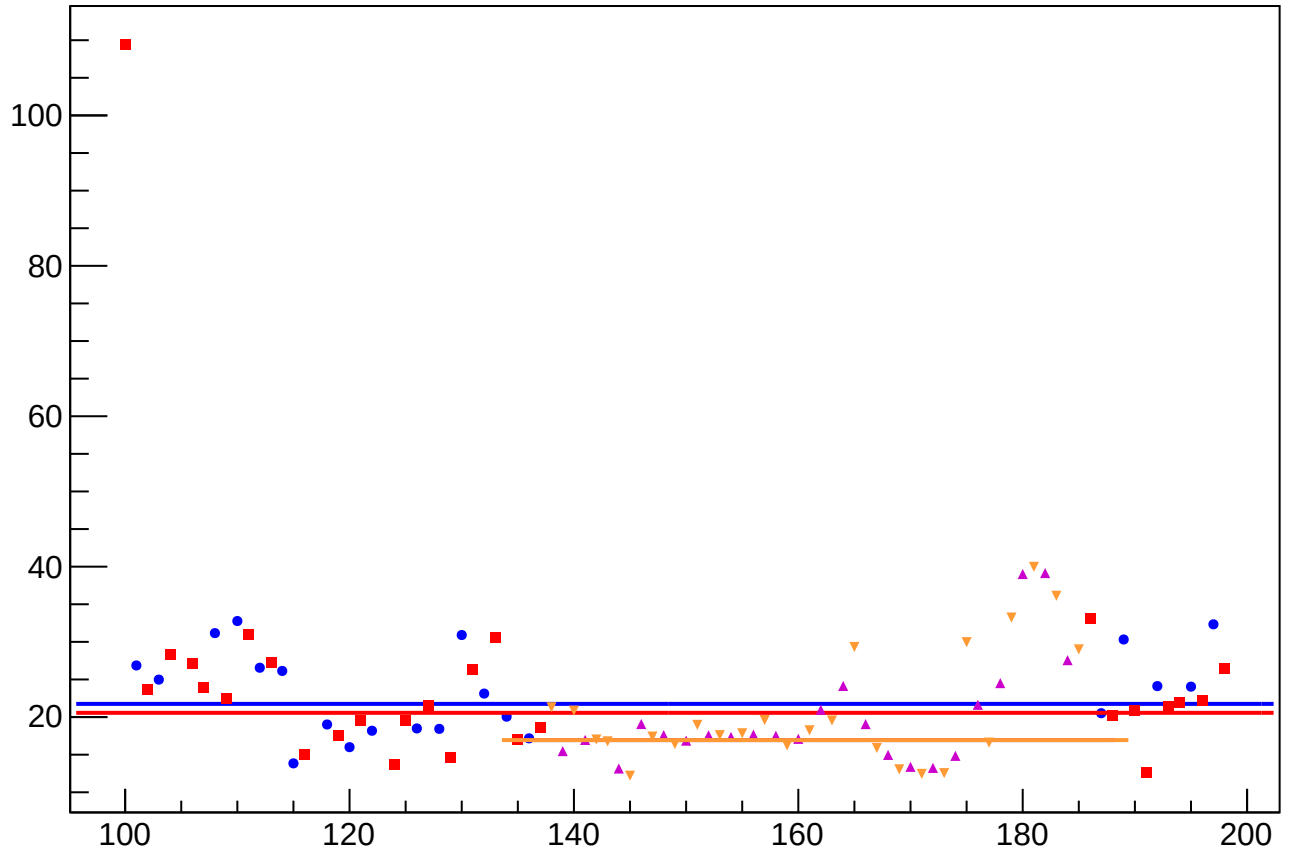
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 38.3/45

All: 0.005+/-0.002 χ^2/NDF: 93.7/95

- sign 0.007+/-0.003 χ^2/NDF: 54.8/49



Right In: 21.755+/-0.005 χ^2/NDF: 1032351.6/20

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

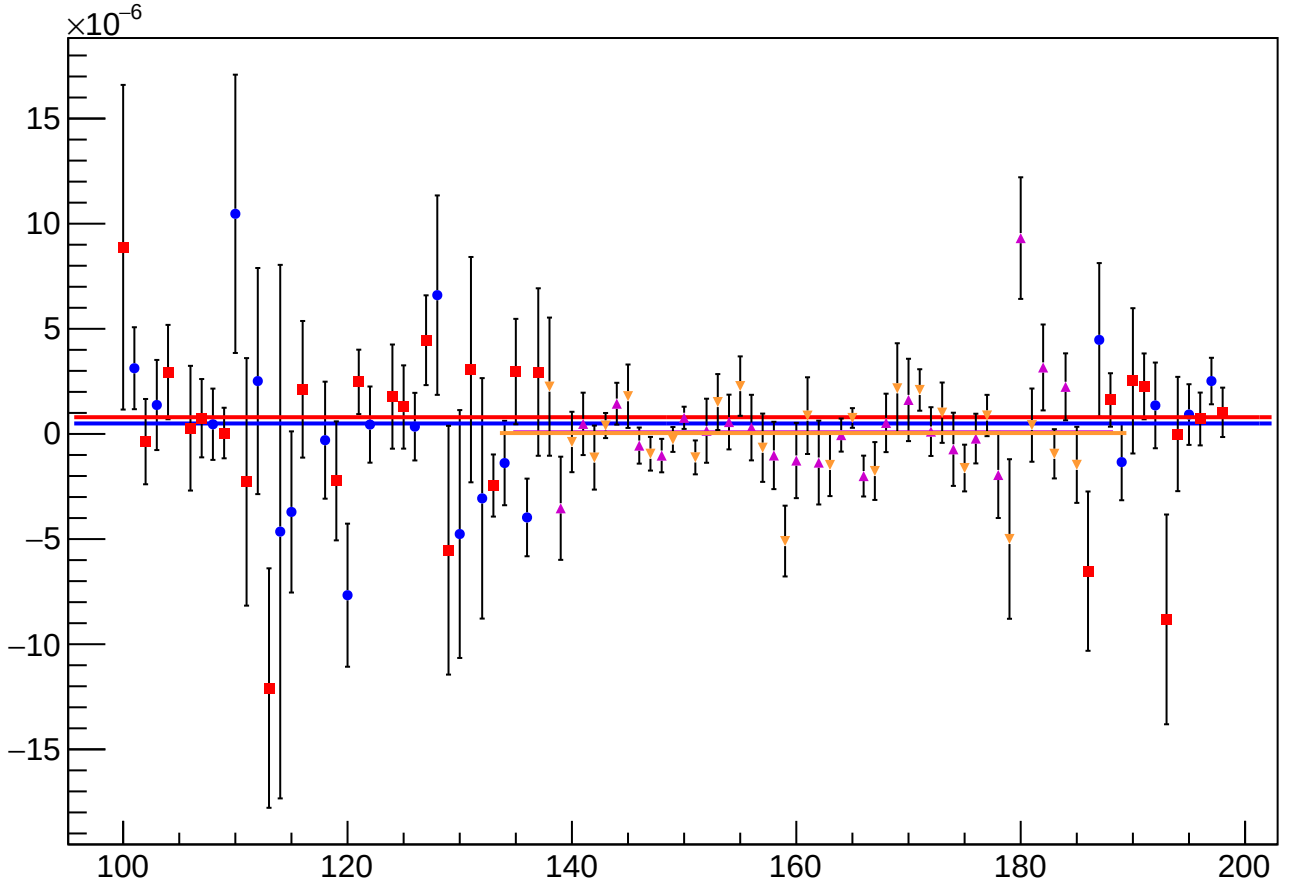
Right Out: 20.565+/-0.004 χ^2/NDF: 1267332.1/26

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 18.151+/-0.003 χ^2/NDF: 4567287.6/45

All: 18.126+/-0.002 χ^2/NDF: 8254471.8/95

\- sign 18.101+/-0.002 χ^2/NDF: 3686979.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

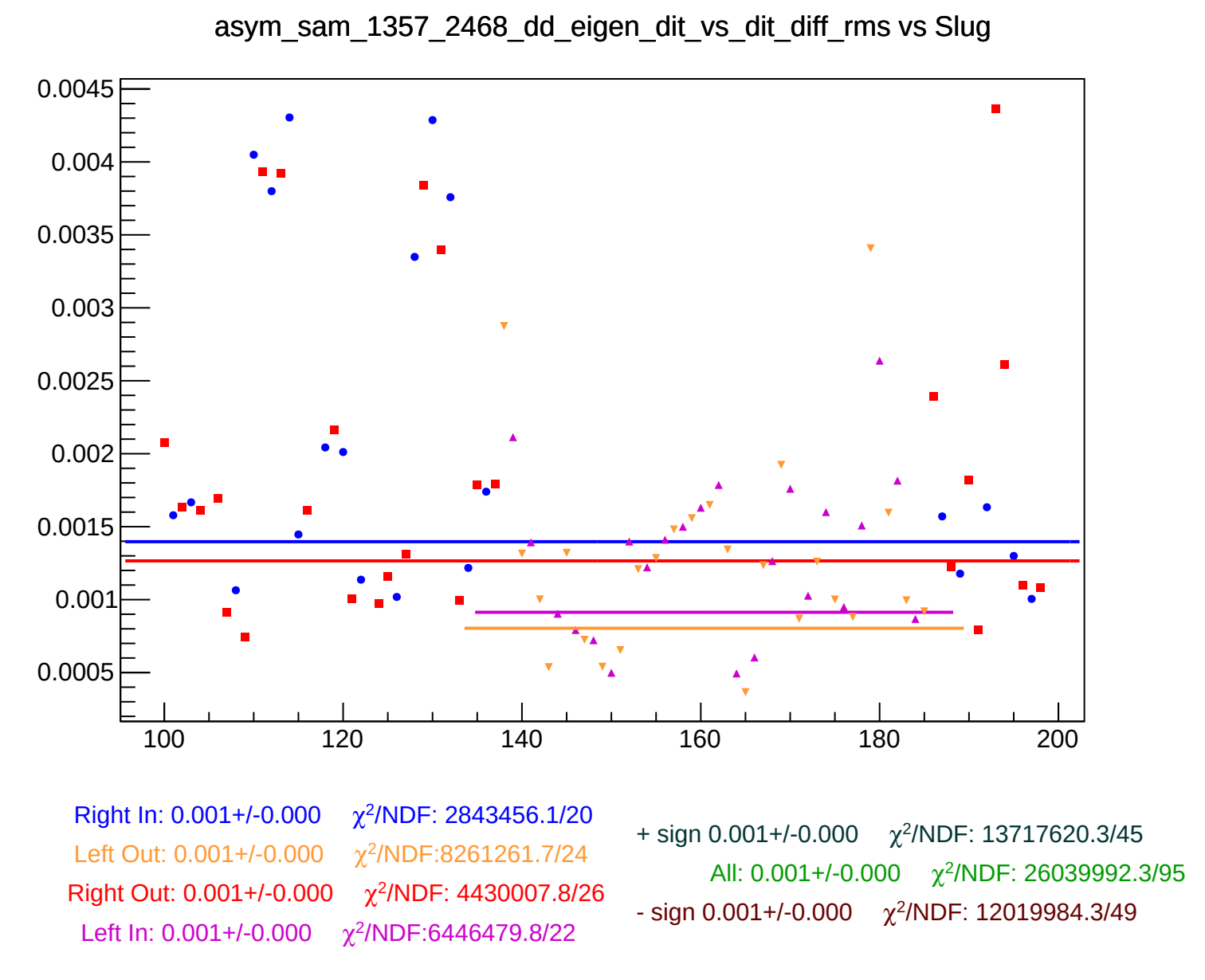
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/26

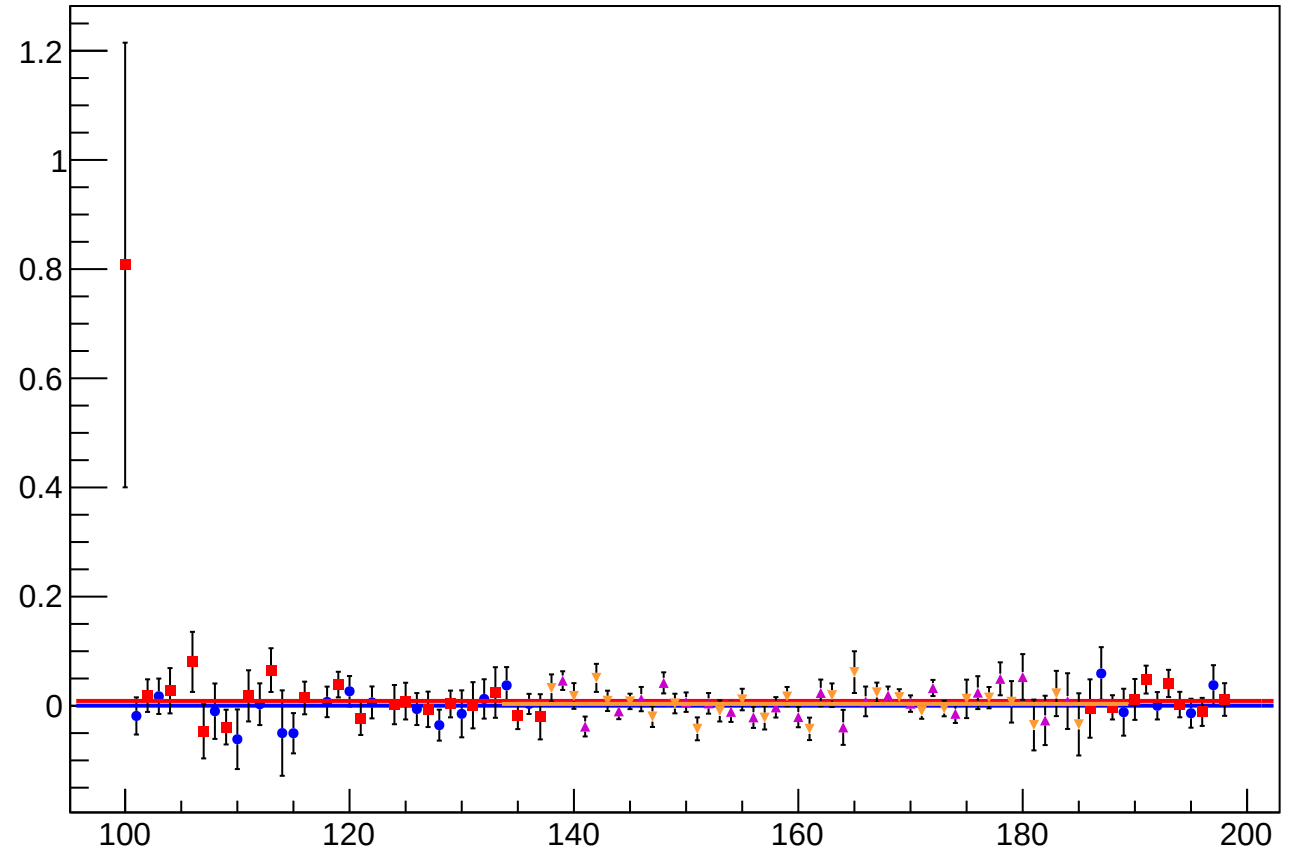
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.9/45

All: 0.000+/-0.000 χ^2/NDF: 128.7/95

- sign 0.000+/-0.000 χ^2/NDF: 63.5/49


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: 2843456.1/20
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 4430007.8/26
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13717620.3/45
All: 0.001+/-0.000 χ²/NDF: 26039992.3/95
- sign 0.001+/-0.000 χ²/NDF: 12019984.3/49



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

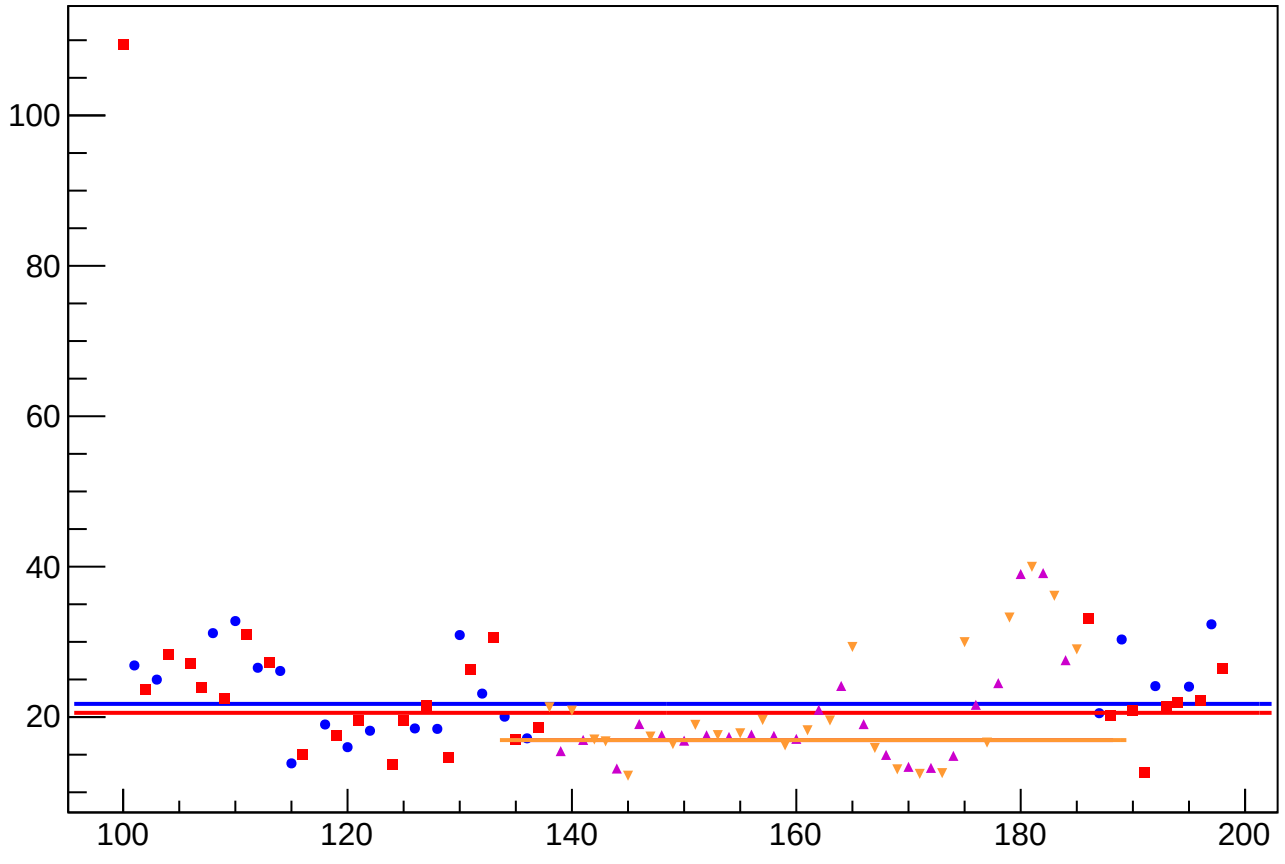
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 38.3/45

All: 0.005+/-0.002 χ^2/NDF: 93.7/95

- sign 0.007+/-0.003 χ^2/NDF: 54.8/49



Right In: 21.754+/-0.005 χ^2/NDF: 1032297.8/20

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.564+/-0.004 χ^2/NDF: 1267354.9/26

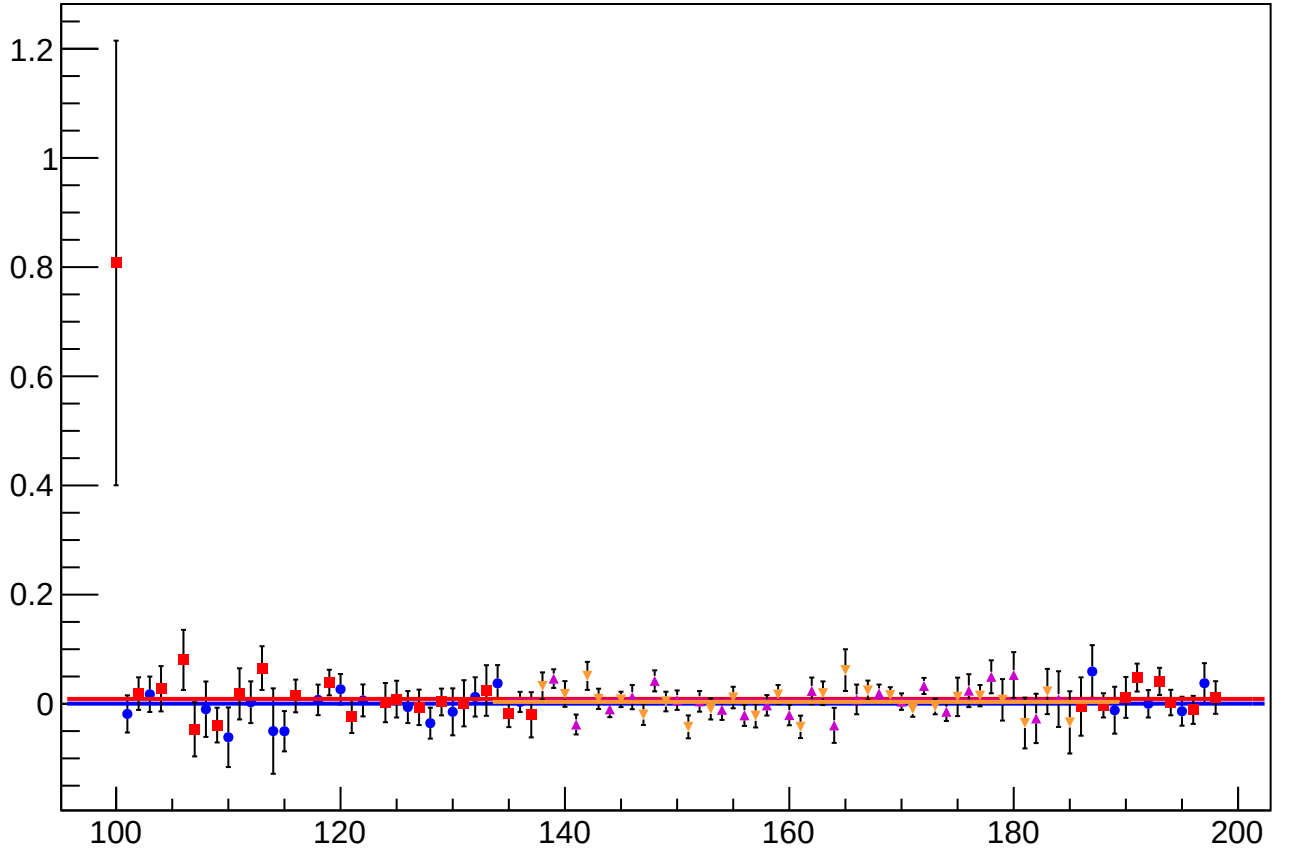
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.151+/-0.003 χ^2/NDF: 4567058.7/45

All: 18.126+/-0.002 χ^2/NDF: 8254128.6/95

- sign 18.101+/-0.002 χ^2/NDF: 3686864.8/49

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

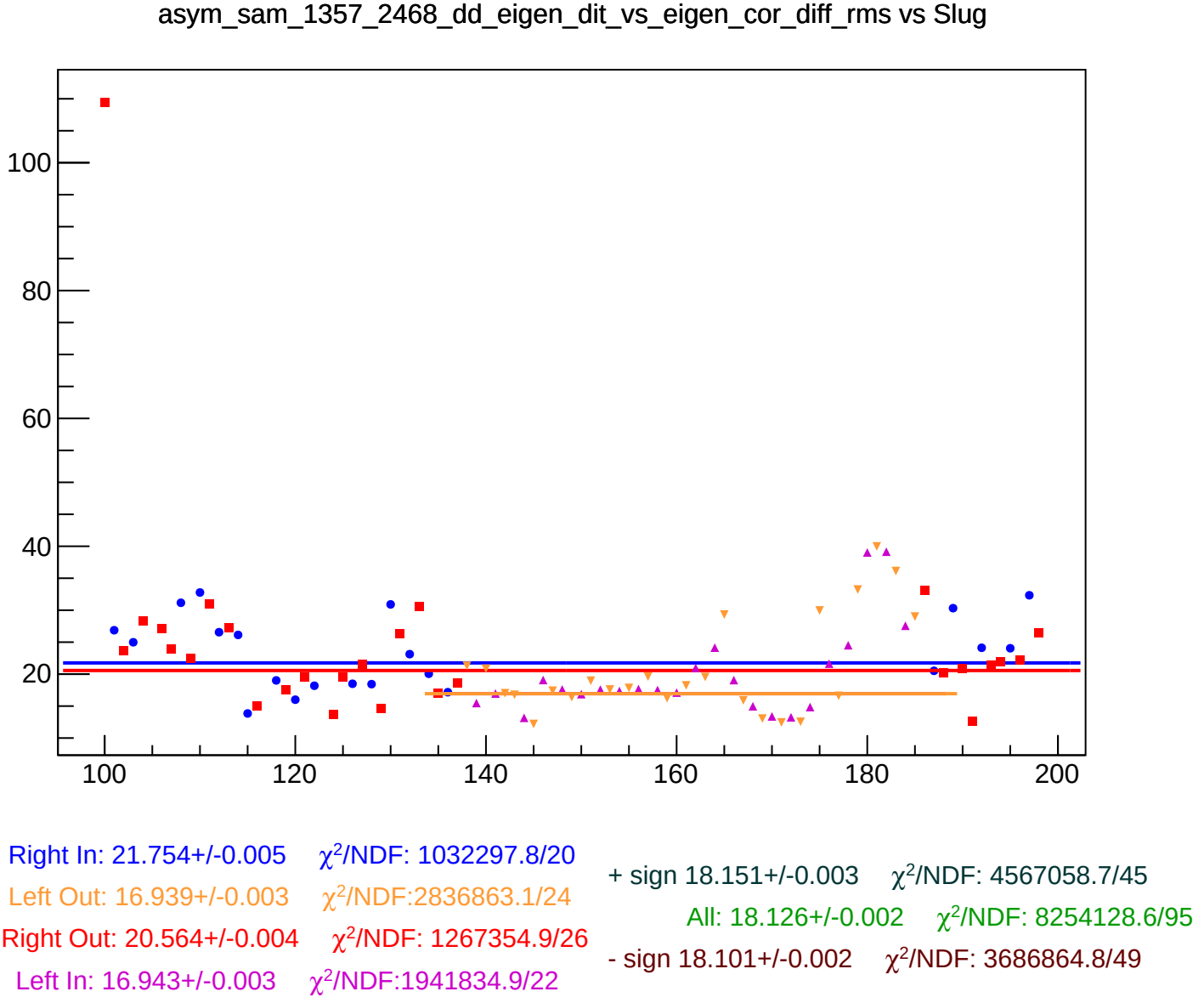
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 38.3/45

All: 0.005+/-0.002 χ^2/NDF: 93.7/95

- sign 0.007+/-0.003 χ^2/NDF: 54.8/49


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
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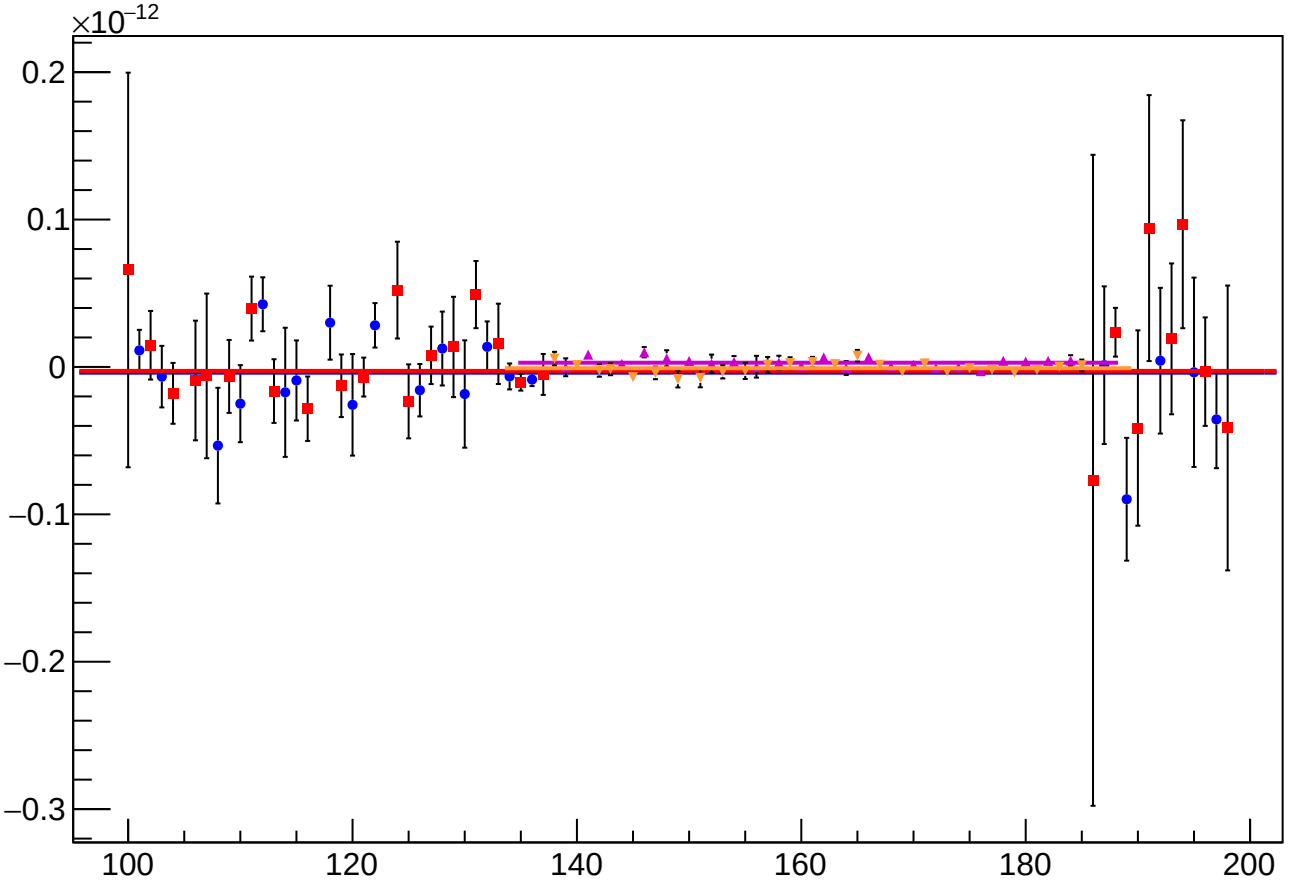
160
180
200
Right In: 21.754+/-0.005 χ²/NDF: 1032297.8/20
Left Out: 16.939+/-0.003 χ²/NDF:2836863.1/24
Right Out: 20.564+/-0.004 χ²/NDF: 1267354.9/26
Left In: 16.943+/-0.003 χ²/NDF:1941834.9/22
+ sign 18.151+/-0.003 χ²/NDF: 4567058.7/45
All: 18.126+/-0.002 χ²/NDF: 8254128.6/95
- sign 18.101+/-0.002 χ²/NDF: 3686864.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 25.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

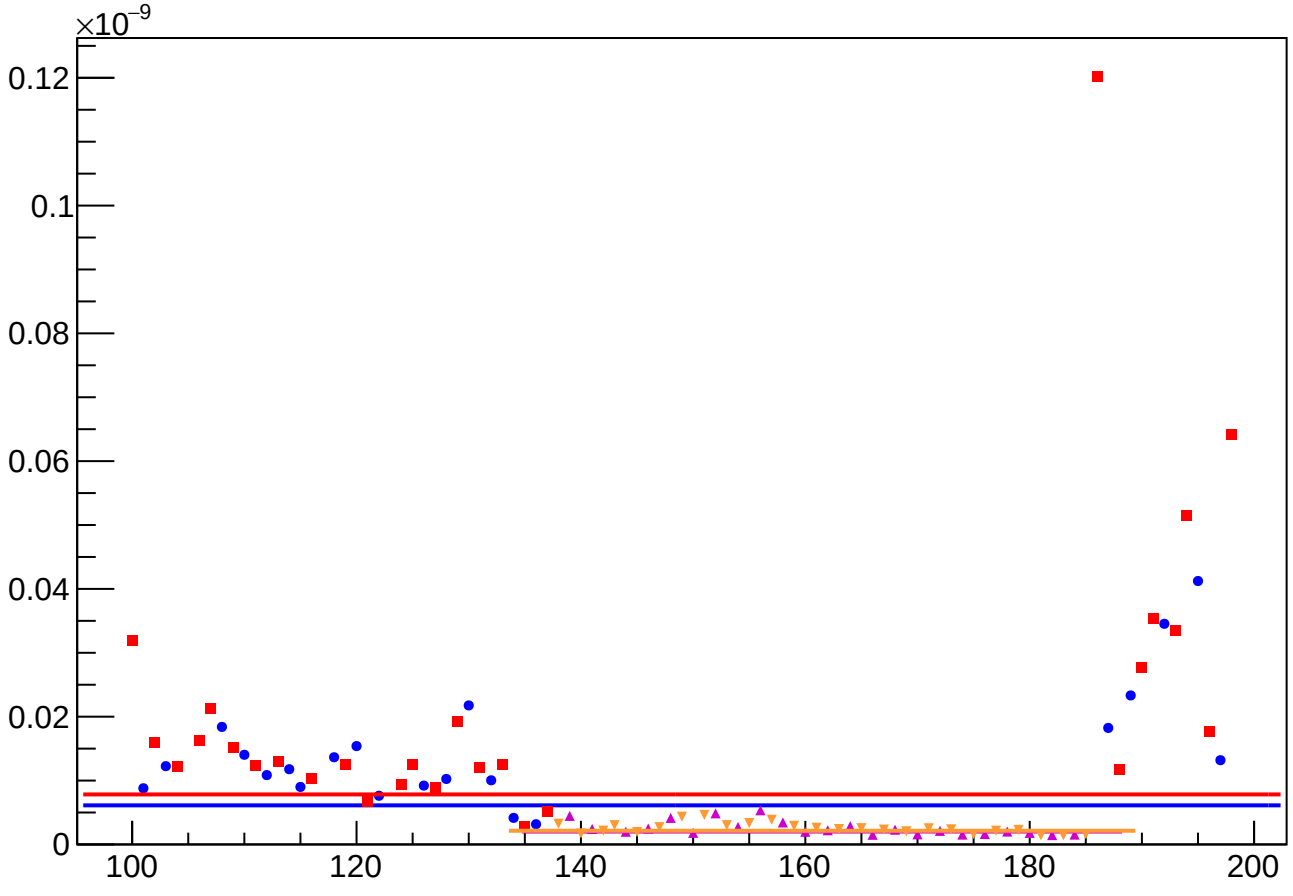
Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/26

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/45

All: 0.000+/-0.000 χ^2/NDF: 117.7/95

- sign 0.000+/-0.000 χ^2/NDF: 50.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 4535090.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6288224.7/26

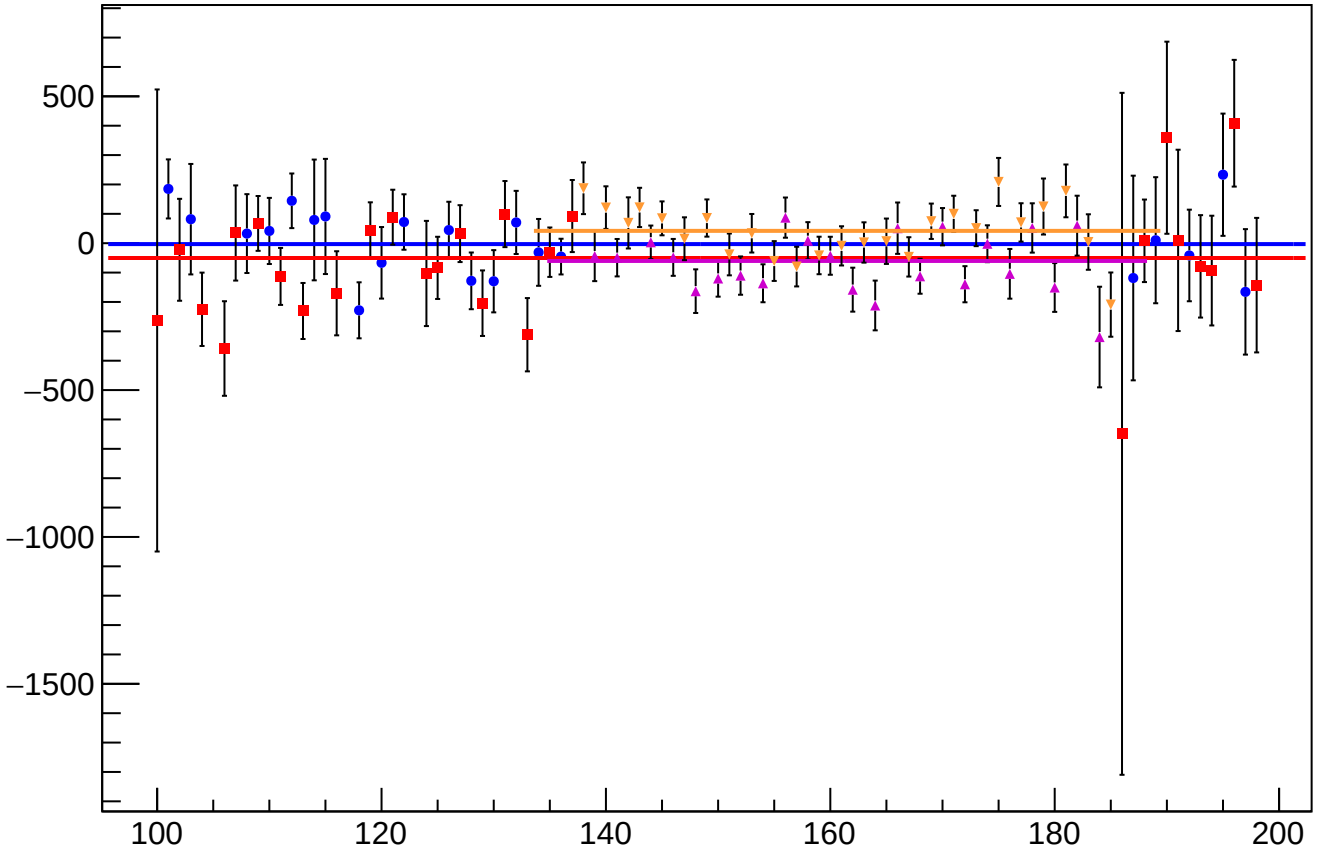
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9663799.6/45

All: 0.000+/-0.000 χ^2/NDF: 23105164.5/95

- sign 0.000+/-0.000 χ^2/NDF: 13410186.0/49

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -3.019+/-25.226 χ^2/NDF: 19.7/20

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -50.360+/-24.921 χ^2/NDF: 32.6/26

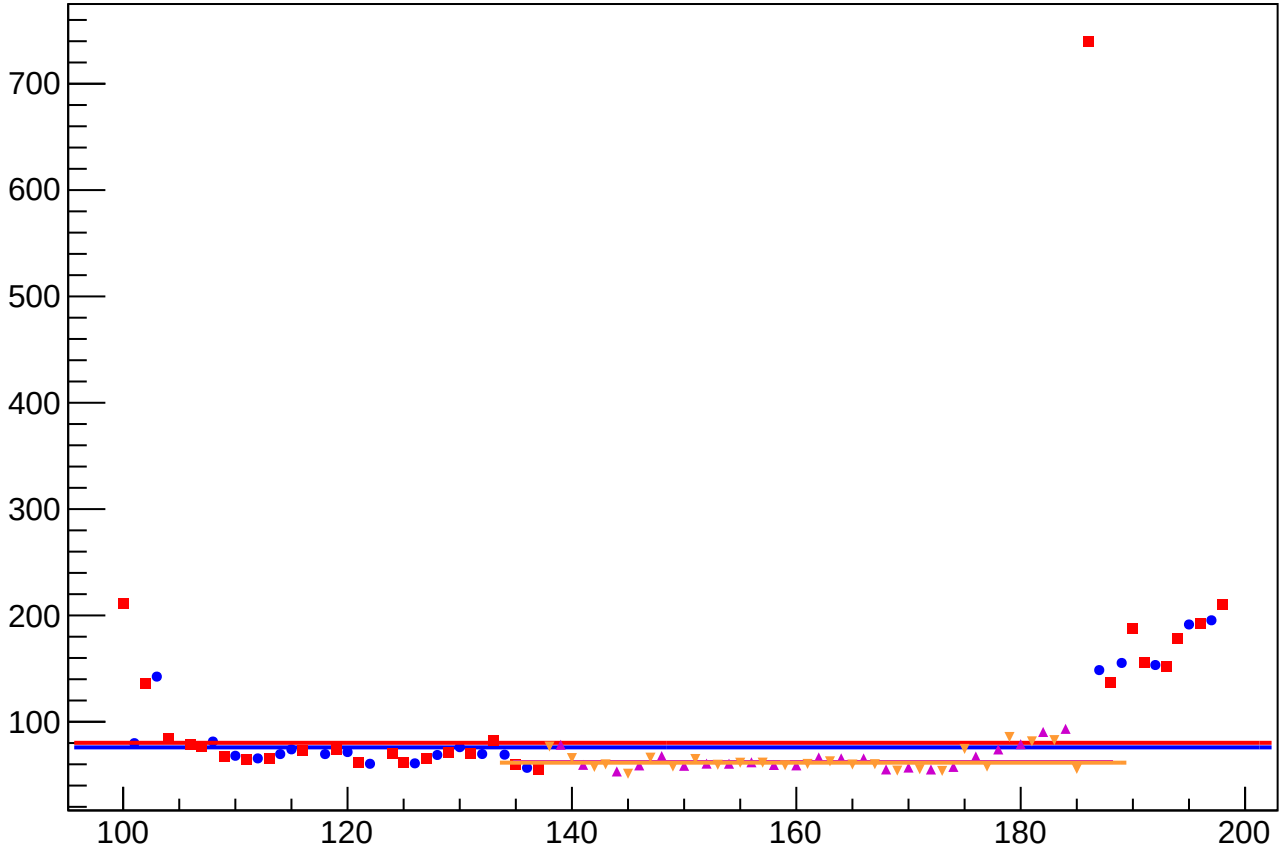
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.198+/-12.362 χ^2/NDF: 54.2/45

All: -12.198+/-8.848 χ^2/NDF: 144.4/95

- sign -57.787+/-12.670 χ^2/NDF: 65.0/49

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 75.919+/-0.018 χ^2/NDF: 2729986.4/20

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

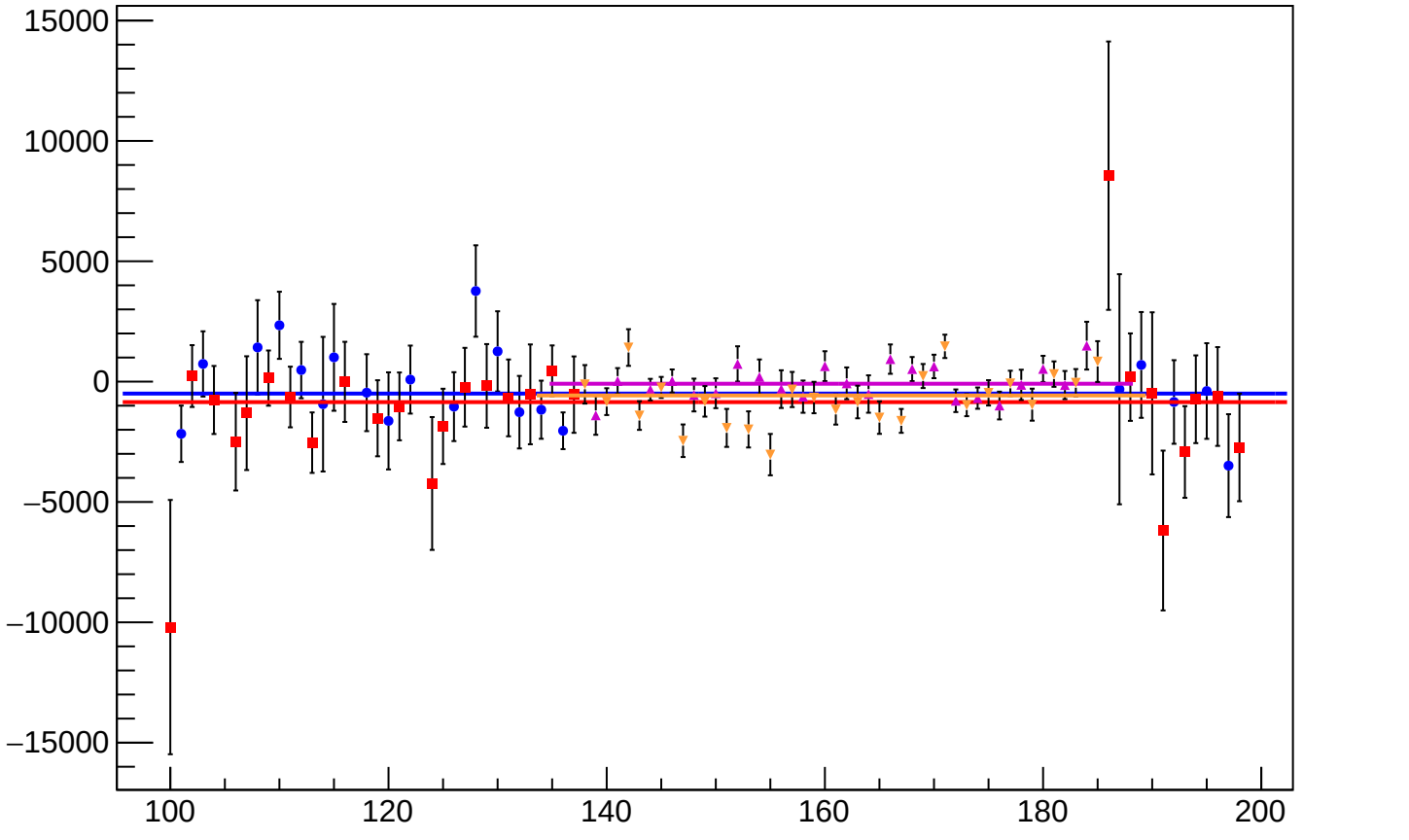
Right Out: 80.214+/-0.018 χ^2/NDF: 4225111.8/26

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.996+/-0.009 χ^2/NDF: 3861319.2/45

All: 65.883+/-0.006 χ^2/NDF: 9483950.2/95

- sign 66.815+/-0.009 χ^2/NDF: 5601512.3/49



Right In: -497.057+/-328.437 χ^2/NDF: 22.9/20

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

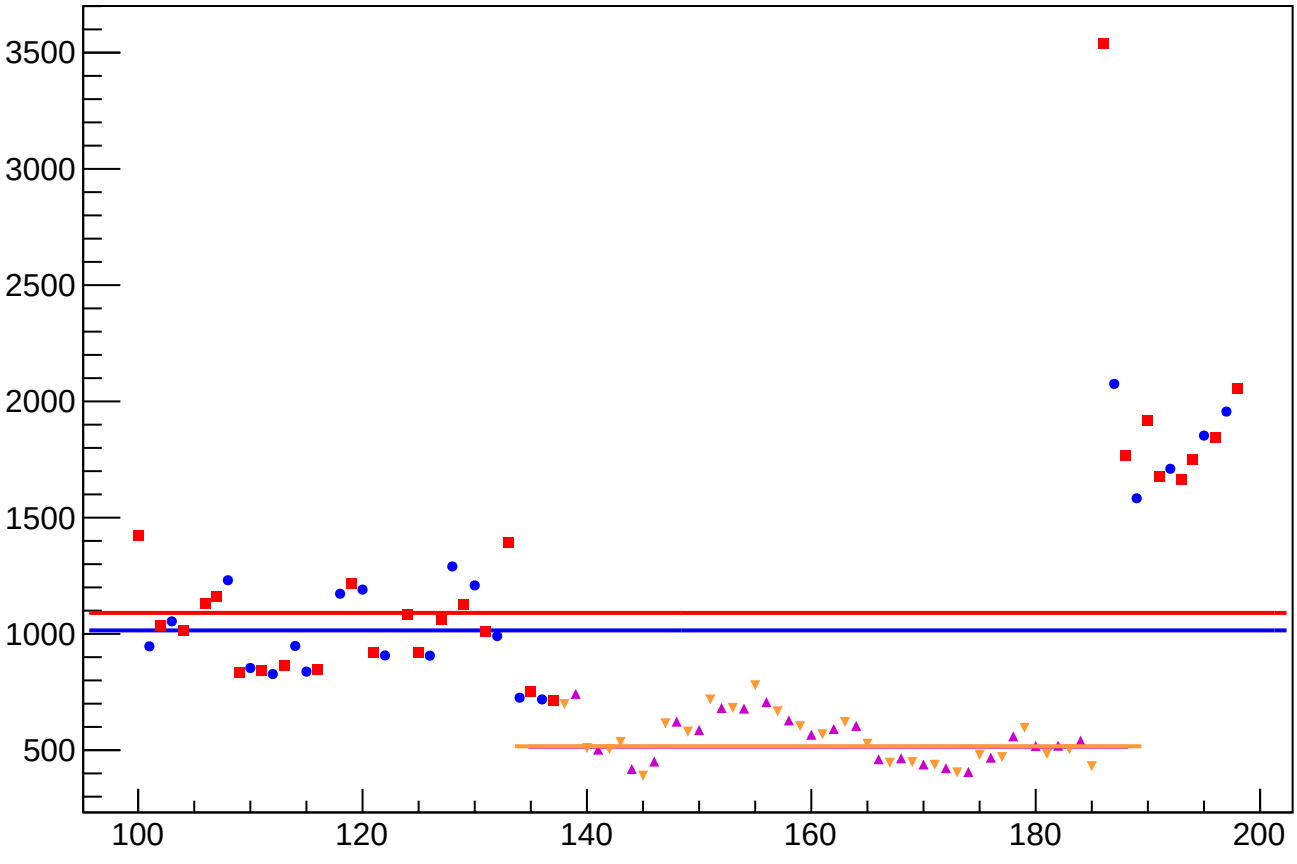
Right Out: -851.655+/-323.564 χ^2/NDF: 19.1/26

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -565.695+/-112.494 χ^2/NDF: 91.7/45

All: -378.326+/-80.265 χ^2/NDF: 145.9/95

- sign -184.017+/-114.558 χ^2/NDF: 48.5/49



Right In: 1015.095+/-0.232 χ^2/NDF: 1965709.2/20

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1090.418+/-0.229 χ^2/NDF: 2676781.9/26

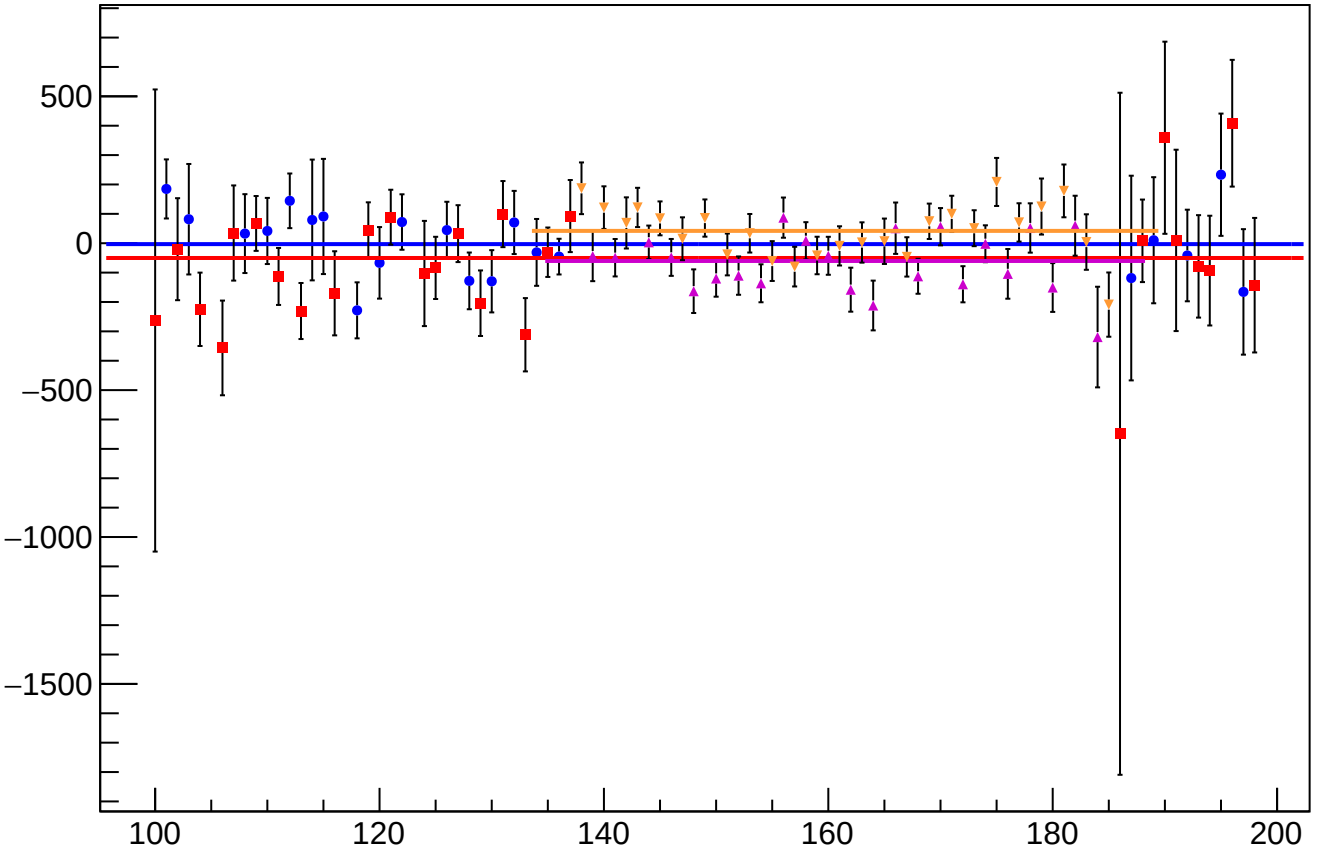
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 575.112+/-0.080 χ^2/NDF: 7297111.4/45

All: 580.918+/-0.057 χ^2/NDF: 16641744.2/95

- sign 586.938+/-0.081 χ^2/NDF: 9333782.4/49

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.026+/-25.226 χ^2/NDF: 19.7/20

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -50.249+/-24.922 χ^2/NDF: 32.6/26

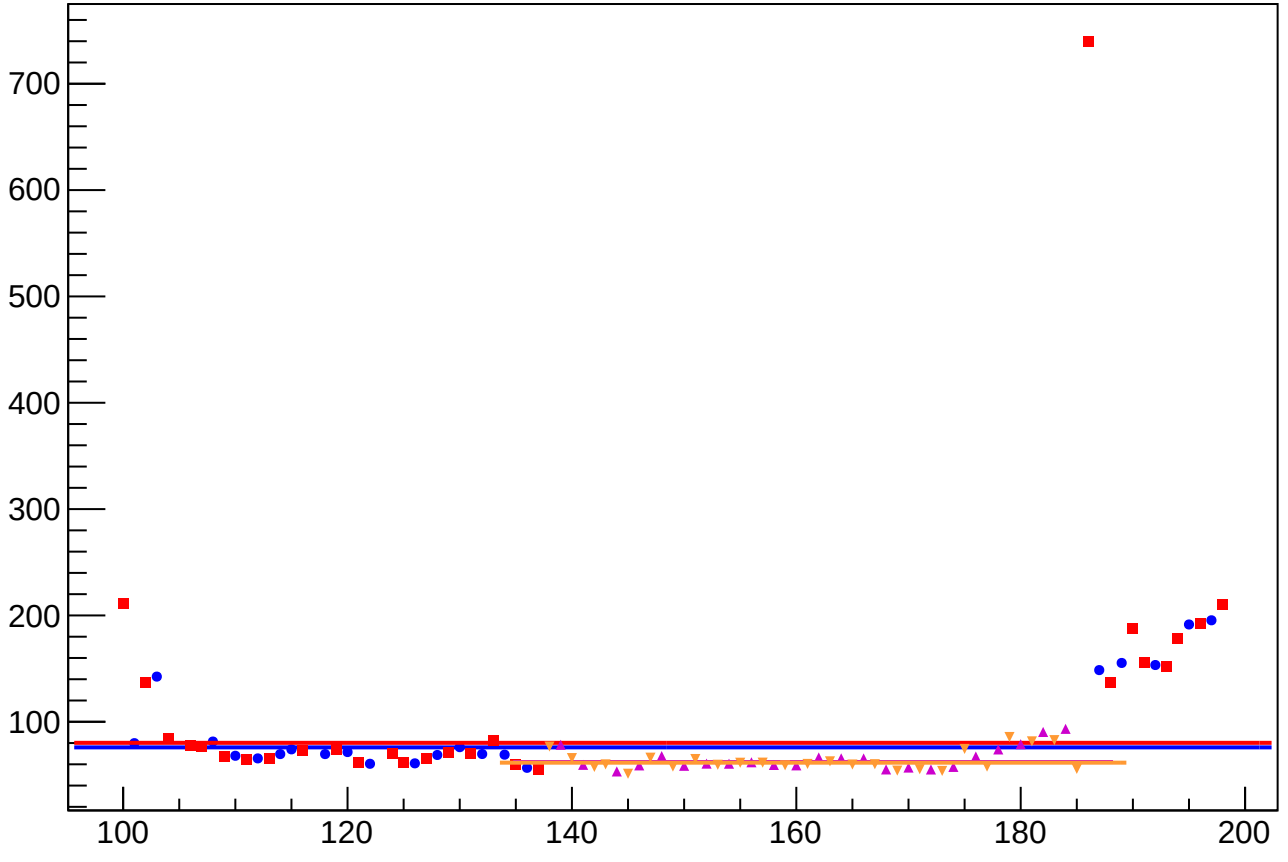
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.201+/-12.362 χ^2/NDF: 54.2/45

All: -12.182+/-8.848 χ^2/NDF: 144.3/95

- sign -57.759+/-12.670 χ^2/NDF: 64.9/49

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 75.919+/-0.018 χ^2/NDF: 2729989.5/20

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 80.197+/-0.018 χ^2/NDF: 4225643.3/26

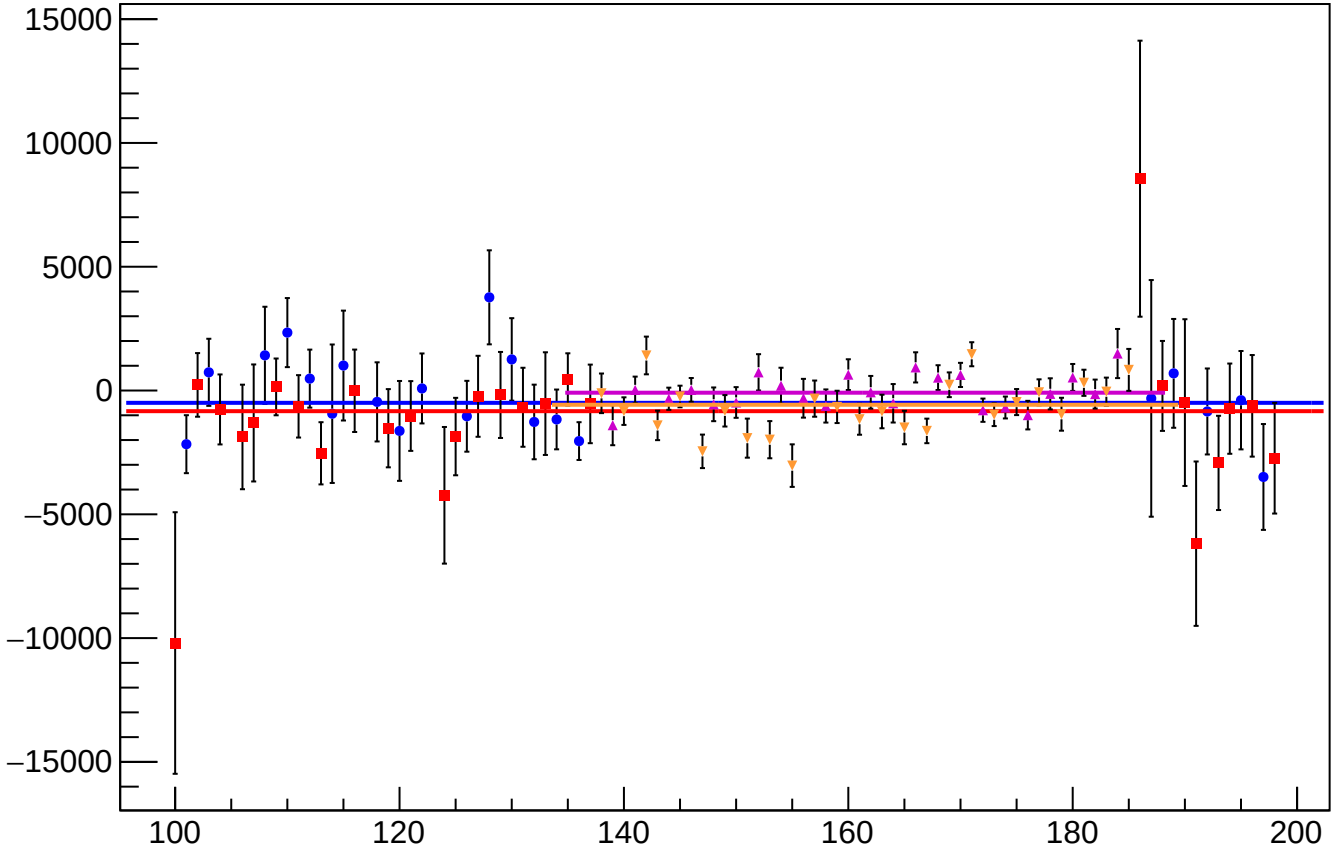
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.996+/-0.009 χ^2/NDF: 3861322.3/45

All: 65.881+/-0.006 χ^2/NDF: 9482922.5/95

- sign 66.811+/-0.009 χ^2/NDF: 5600586.0/49

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -497.032+/-328.438 χ^2/NDF: 22.9/20

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

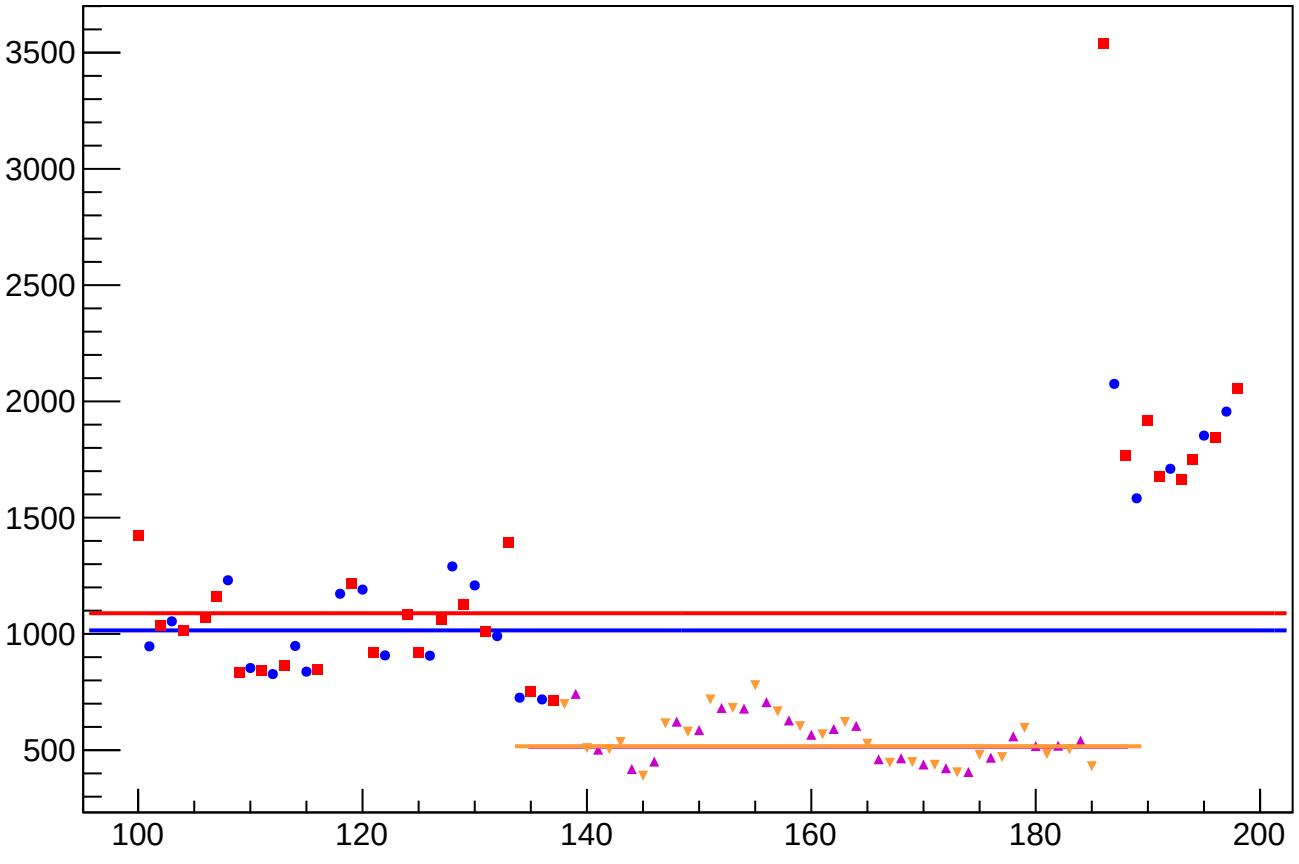
Right Out: -834.242+/-323.900 χ^2/NDF: 18.6/26

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -565.686+/-112.494 χ^2/NDF: 91.7/45

All: -377.192+/-80.270 χ^2/NDF: 145.3/95

- sign -181.665+/-114.573 χ^2/NDF: 47.9/49



Right In: 1015.099+/-0.232 χ^2/NDF: 1965718.3/20

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1088.914+/-0.229 χ^2/NDF: 2675985.0/26

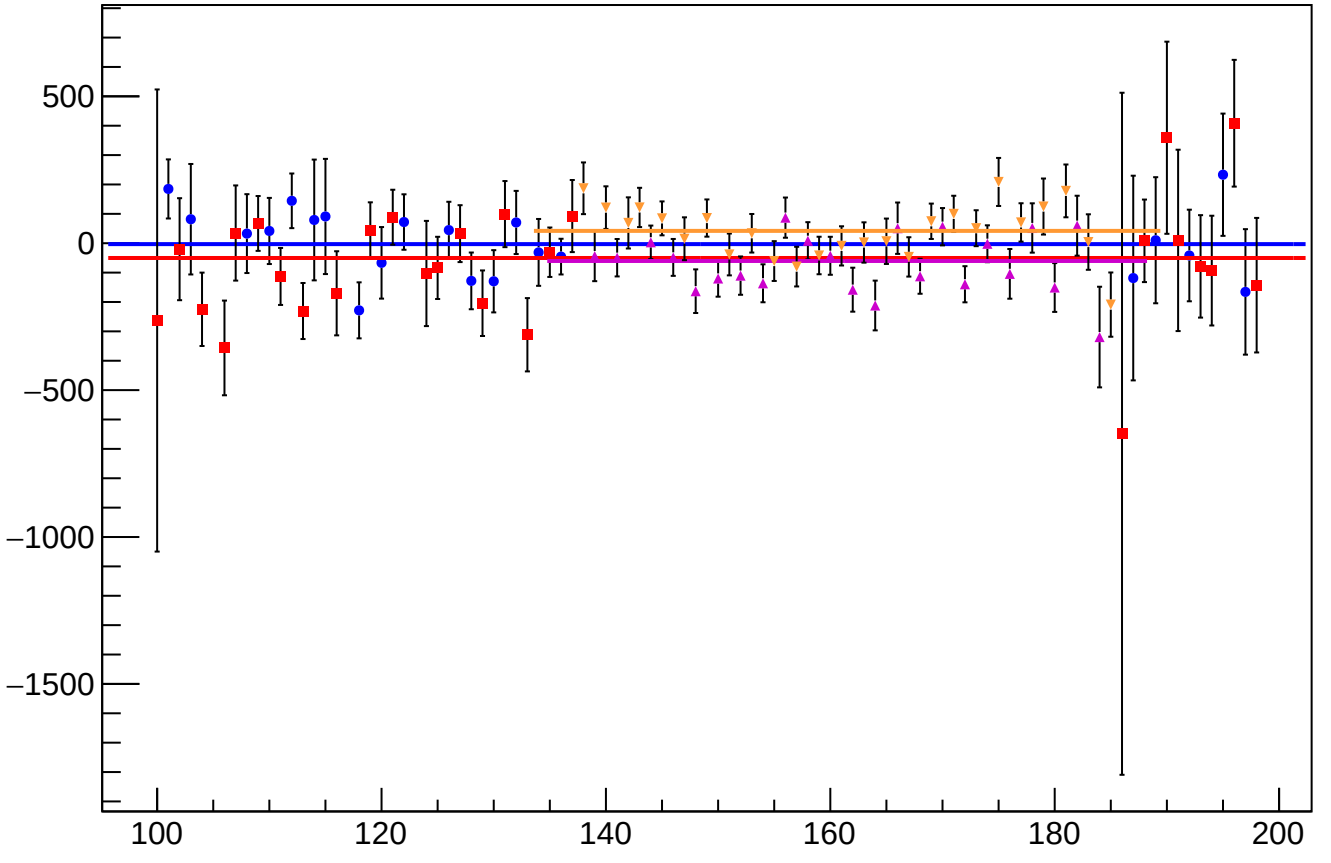
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 575.112+/-0.080 χ^2/NDF: 7297161.8/45

All: 580.760+/-0.057 χ^2/NDF: 16601544.0/95

- sign 586.619+/-0.081 χ^2/NDF: 9294109.9/49

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.026+/-25.226 χ^2/NDF: 19.7/20

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -50.249+/-24.922 χ^2/NDF: 32.6/26

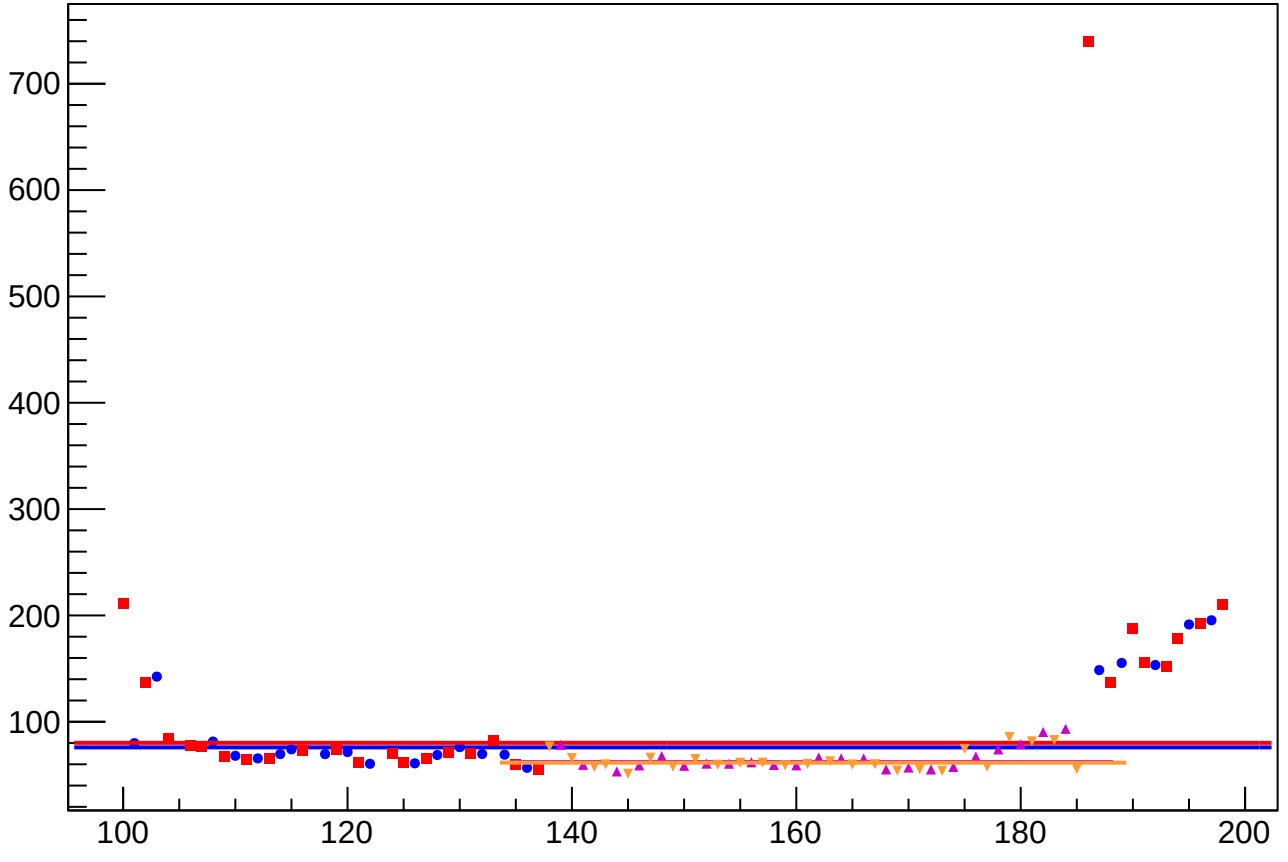
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.201+/-12.362 χ^2/NDF: 54.2/45

All: -12.182+/-8.848 χ^2/NDF: 144.3/95

- sign -57.759+/-12.670 χ^2/NDF: 64.9/49

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 75.919+/-0.018 χ^2/NDF: 2729989.5/20

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 80.197+/-0.018 χ^2/NDF: 4225643.3/26

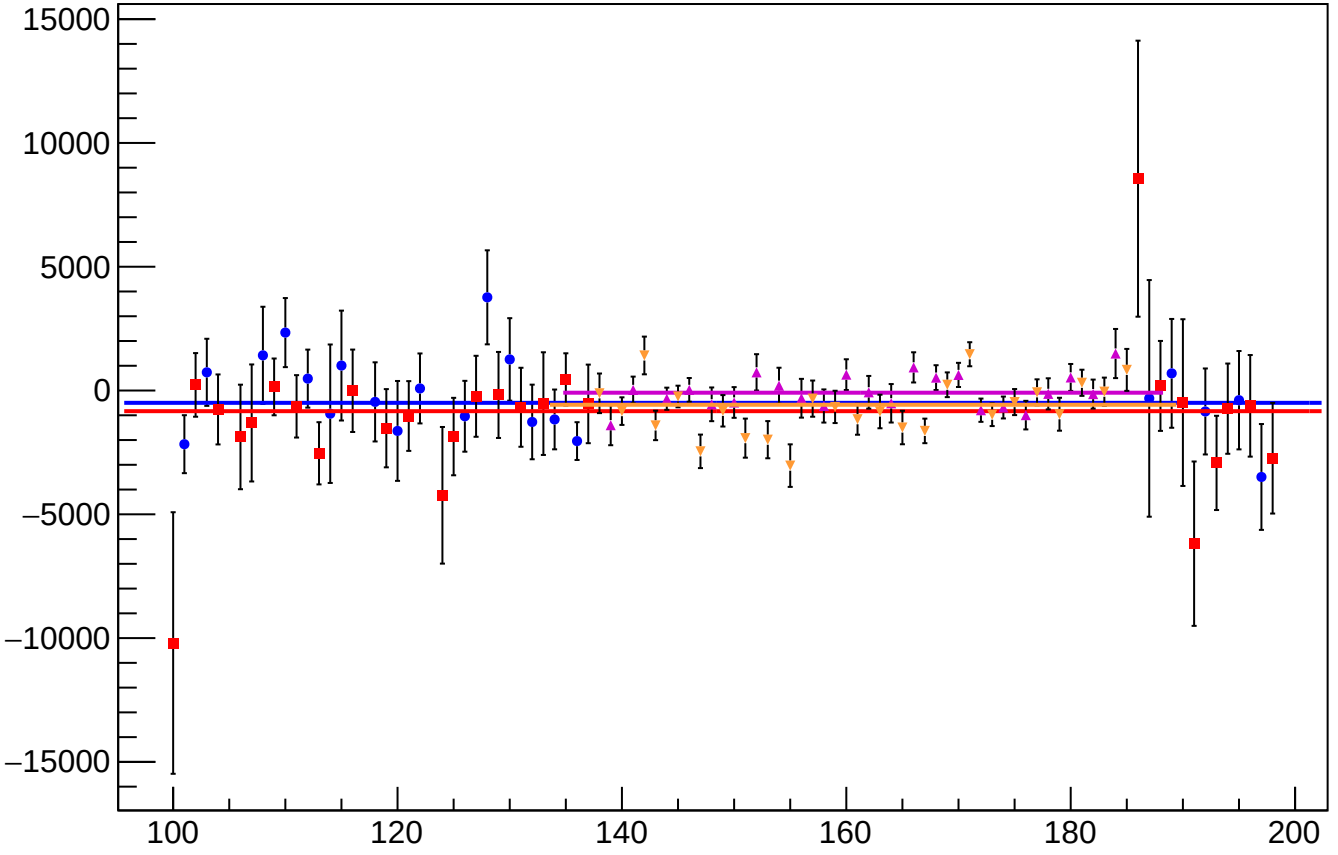
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.996+/-0.009 χ^2/NDF: 3861322.3/45

All: 65.881+/-0.006 χ^2/NDF: 9482922.5/95

- sign 66.811+/-0.009 χ^2/NDF: 5600586.0/49

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug



Right In: -497.032+/-328.438 χ^2/NDF: 22.9/20

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: -834.242+/-323.900 χ^2/NDF: 18.6/26

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

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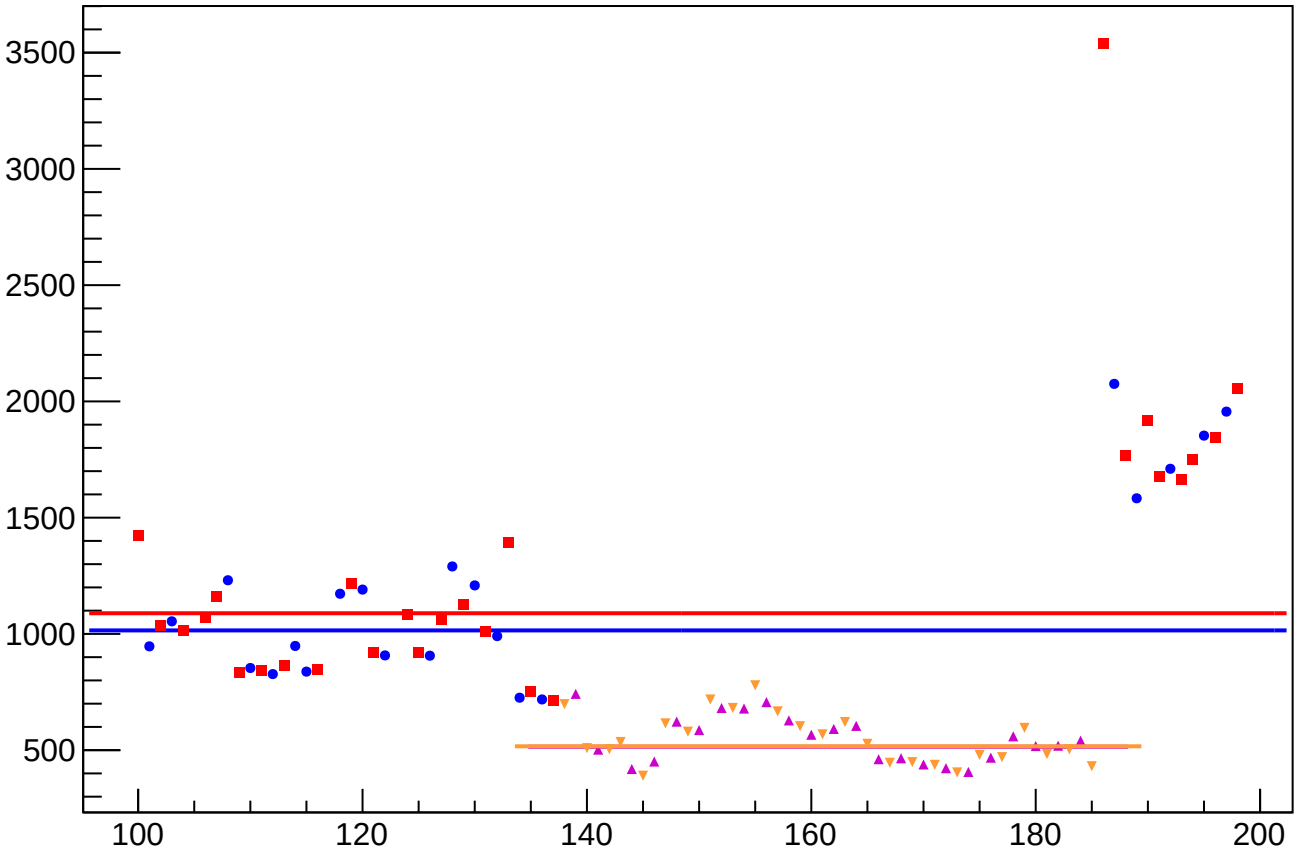
All: -377.192+/-80.270 χ^2/NDF: 145.3/95

- sign -181.665+/-114.573 χ^2/NDF: 47.9/49



Right In: 1015.099+/-0.232 χ^2/NDF: 1965718.3/20

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1088.914+/-0.229 χ^2/NDF: 2675985.0/26

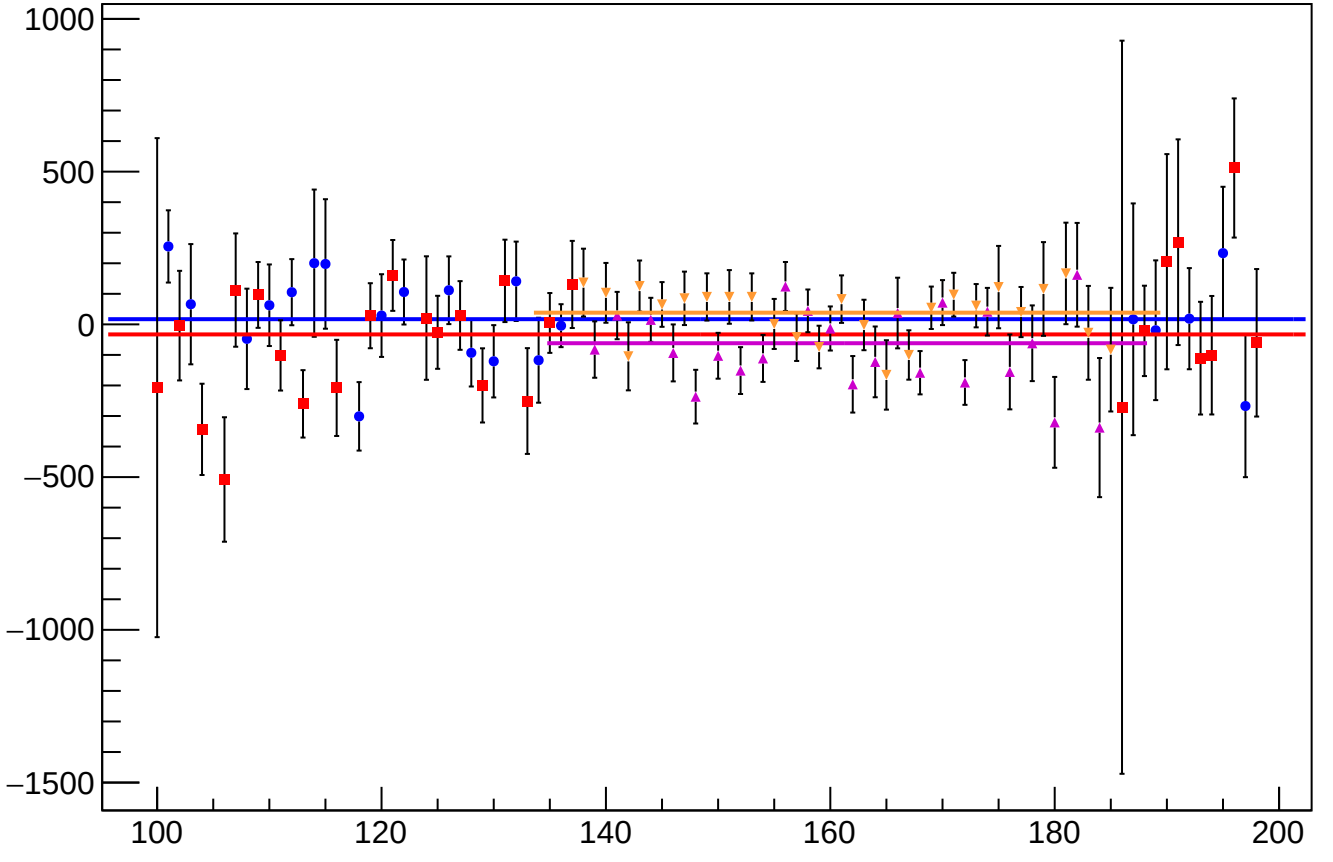
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 575.112+/-0.080 χ^2/NDF: 7297161.8/45

All: 580.760+/-0.057 χ^2/NDF: 16601544.0/95

- sign 586.619+/-0.081 χ^2/NDF: 9294109.9/49

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 16.983+/-29.012 χ^2/NDF: 22.6/20

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -32.890+/-28.675 χ^2/NDF: 35.2/26

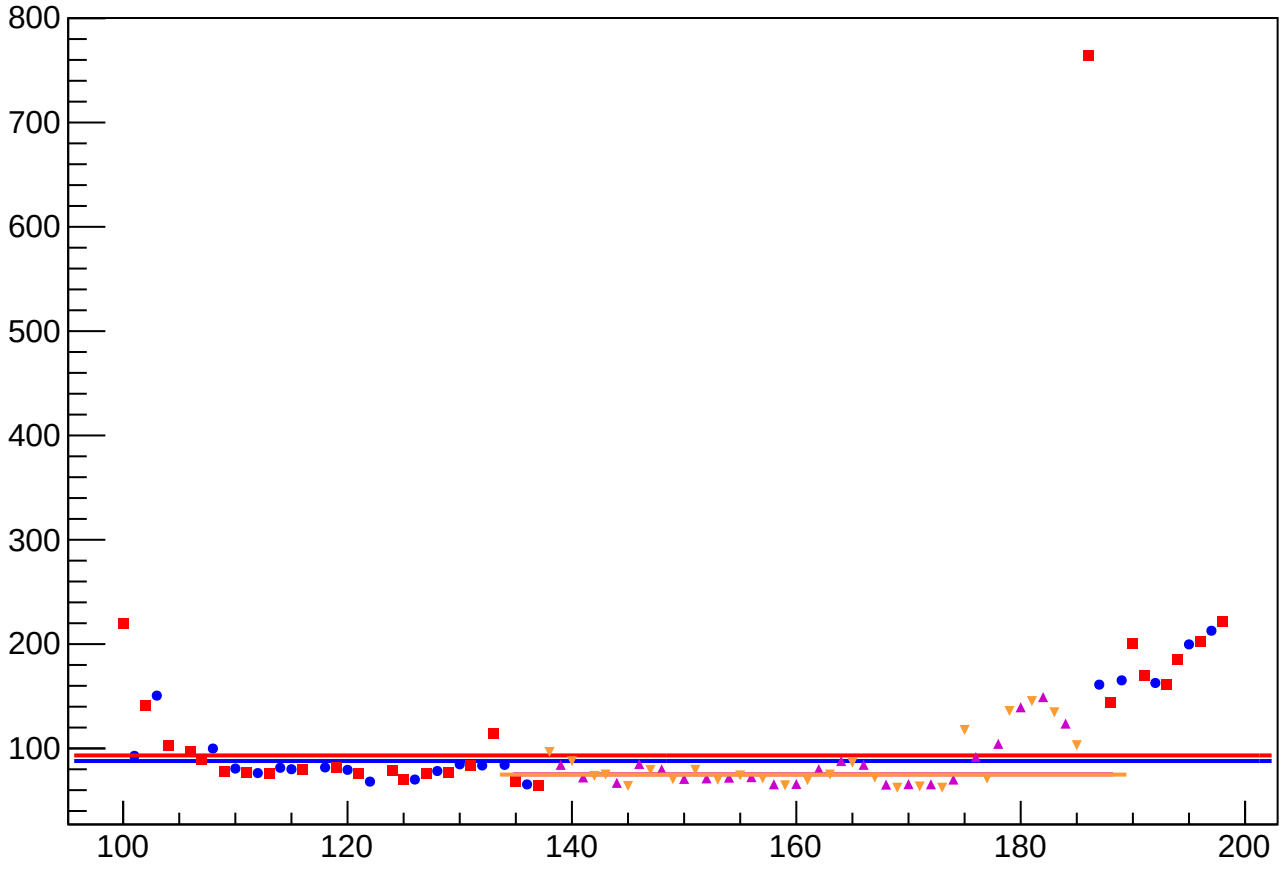
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.519+/-15.091 χ^2/NDF: 41.8/45

All: -9.703+/-10.765 χ^2/NDF: 130.4/95

- sign -53.449+/-15.361 χ^2/NDF: 72.6/49

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 87.908+/-0.021 χ^2/NDF: 2423867.2/20

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 93.275+/-0.020 χ^2/NDF: 3728148.5/26

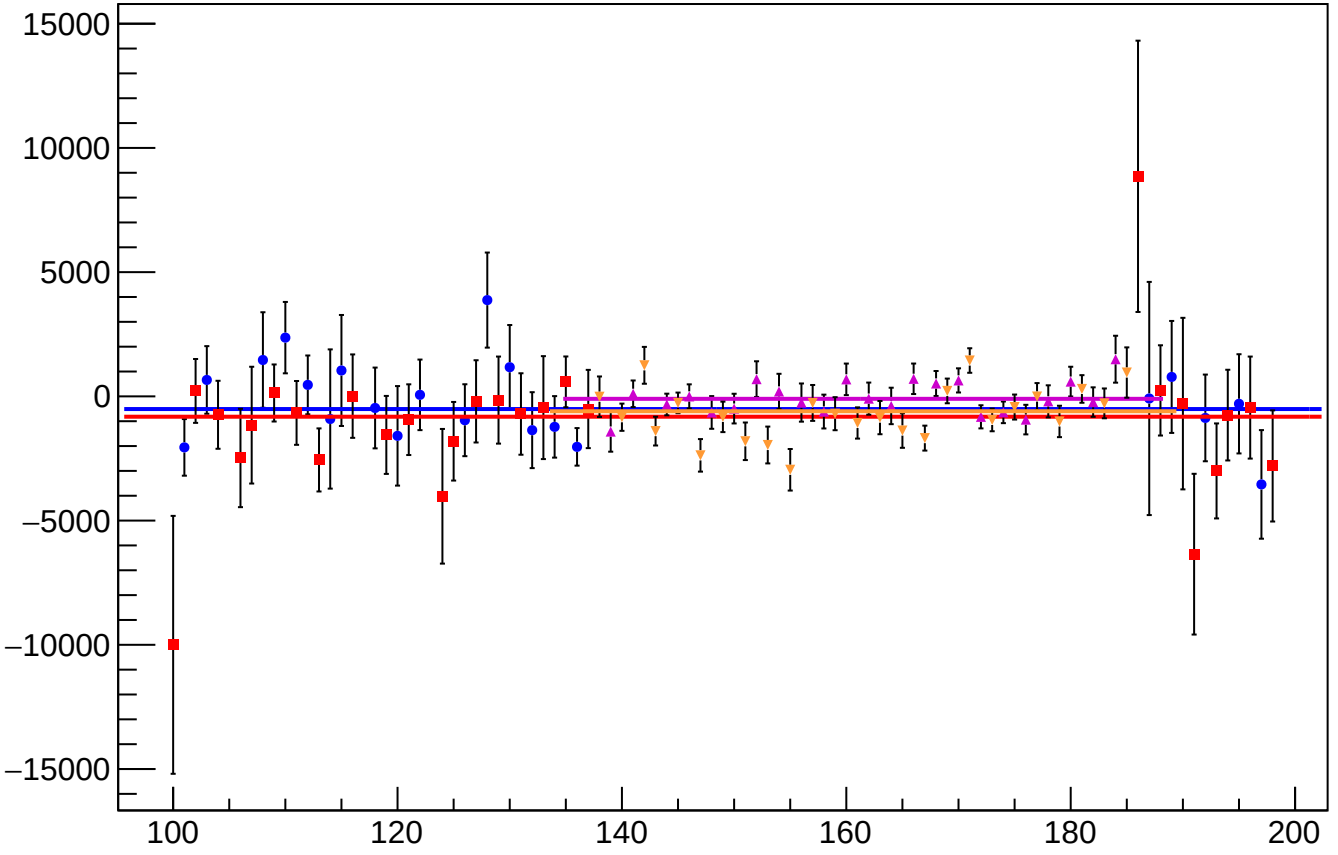
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 78.422+/-0.011 χ^2/NDF: 4378588.5/45

All: 79.371+/-0.008 χ^2/NDF: 10004779.4/95

- sign 80.355+/-0.011 χ^2/NDF: 5610064.5/49

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -510.290+/-329.857 χ^2/NDF: 22.6/20

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -818.914+/-323.233 χ^2/NDF: 20.1/26

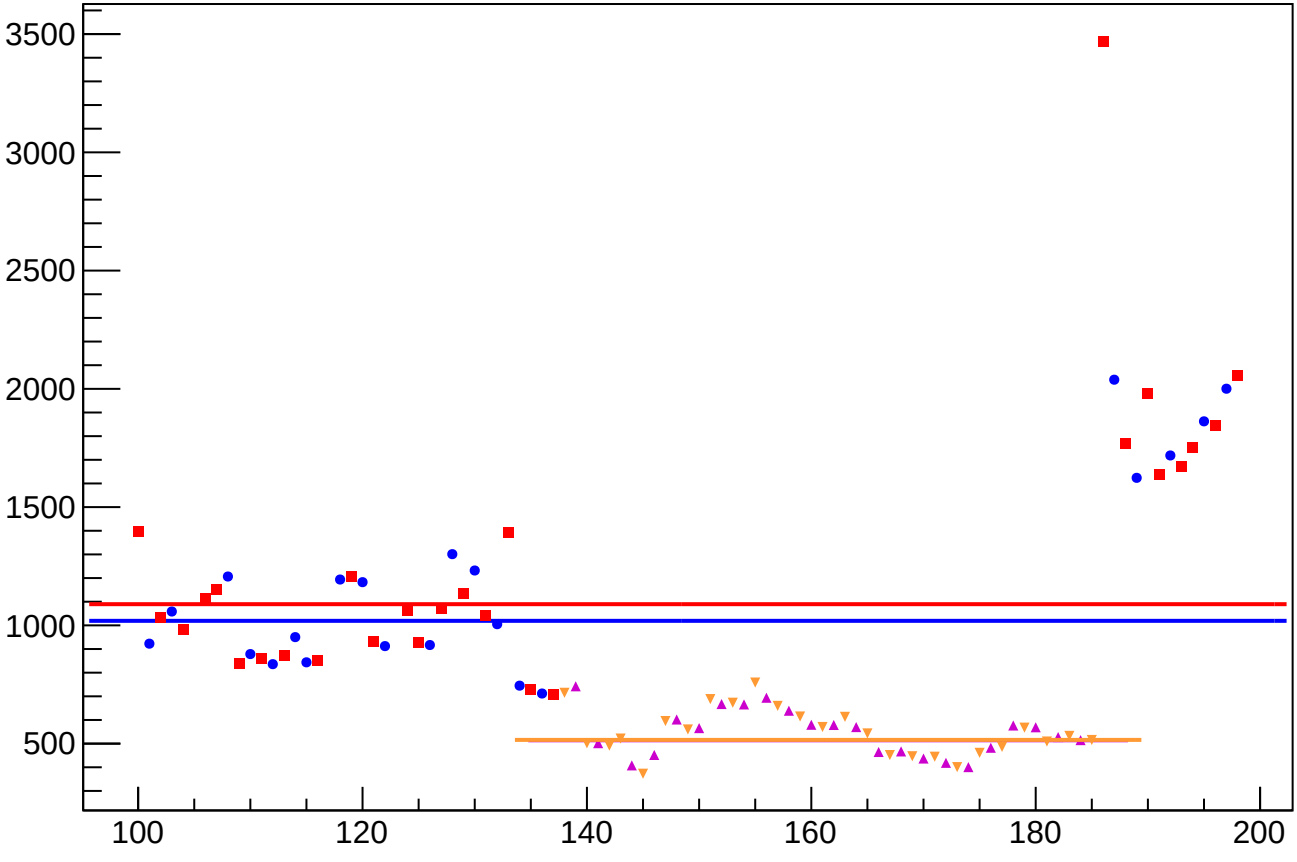
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -588.581+/-112.208 χ^2/NDF: 87.7/45

All: -392.773+/-80.105 χ^2/NDF: 142.1/95

- sign -189.259+/-114.395 χ^2/NDF: 48.2/49

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1019.156+/-0.233 χ^2/NDF: 1996802.6/20

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1089.598+/-0.229 χ^2/NDF: 2699681.0/26

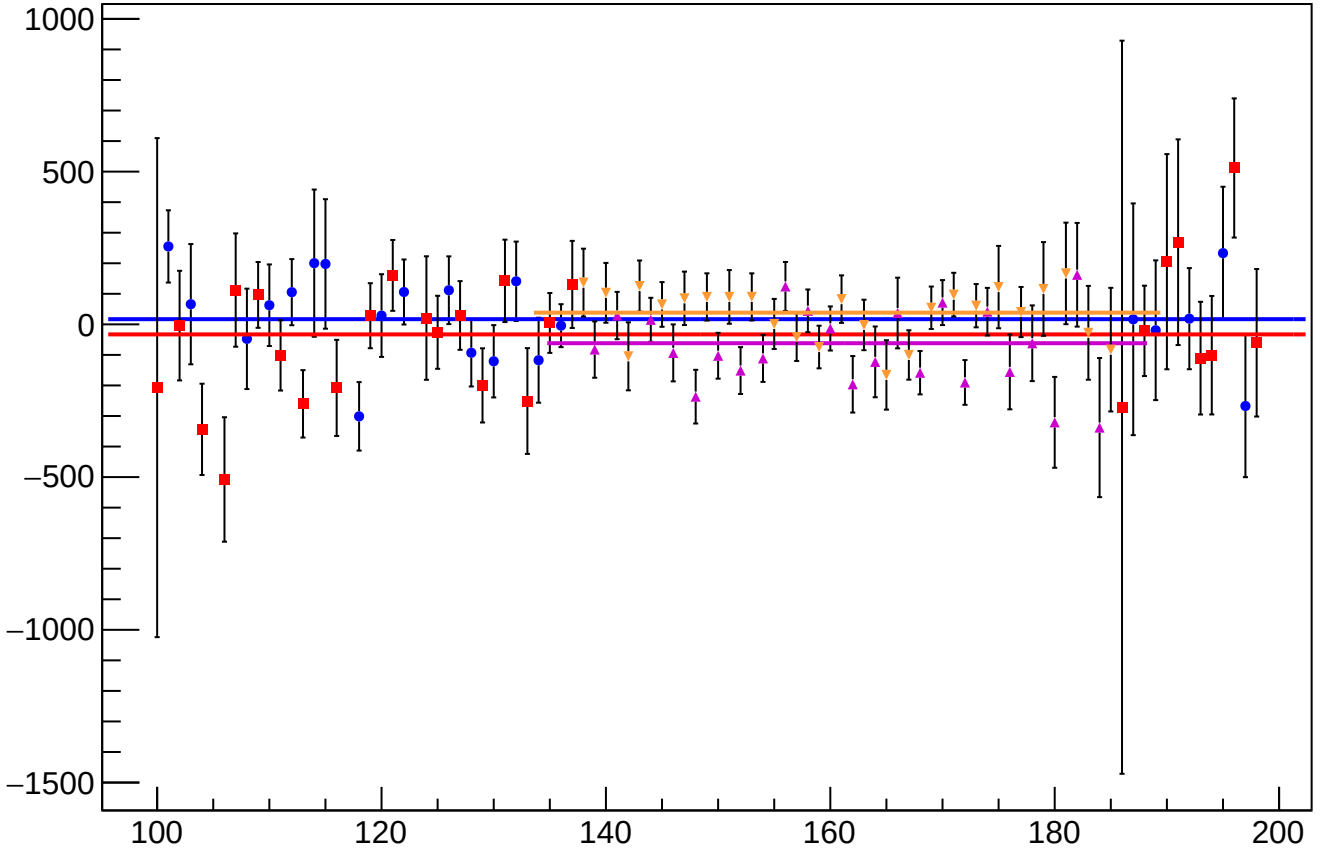
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 574.013+/-0.079 χ^2/NDF: 7348233.9/45

All: 579.974+/-0.057 χ^2/NDF: 16722423.4/95

- sign 586.171+/-0.081 χ^2/NDF: 9362675.5/49

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 16.983+/-29.012 χ^2/NDF: 22.6/20

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -32.888+/-28.675 χ^2/NDF: 35.2/26

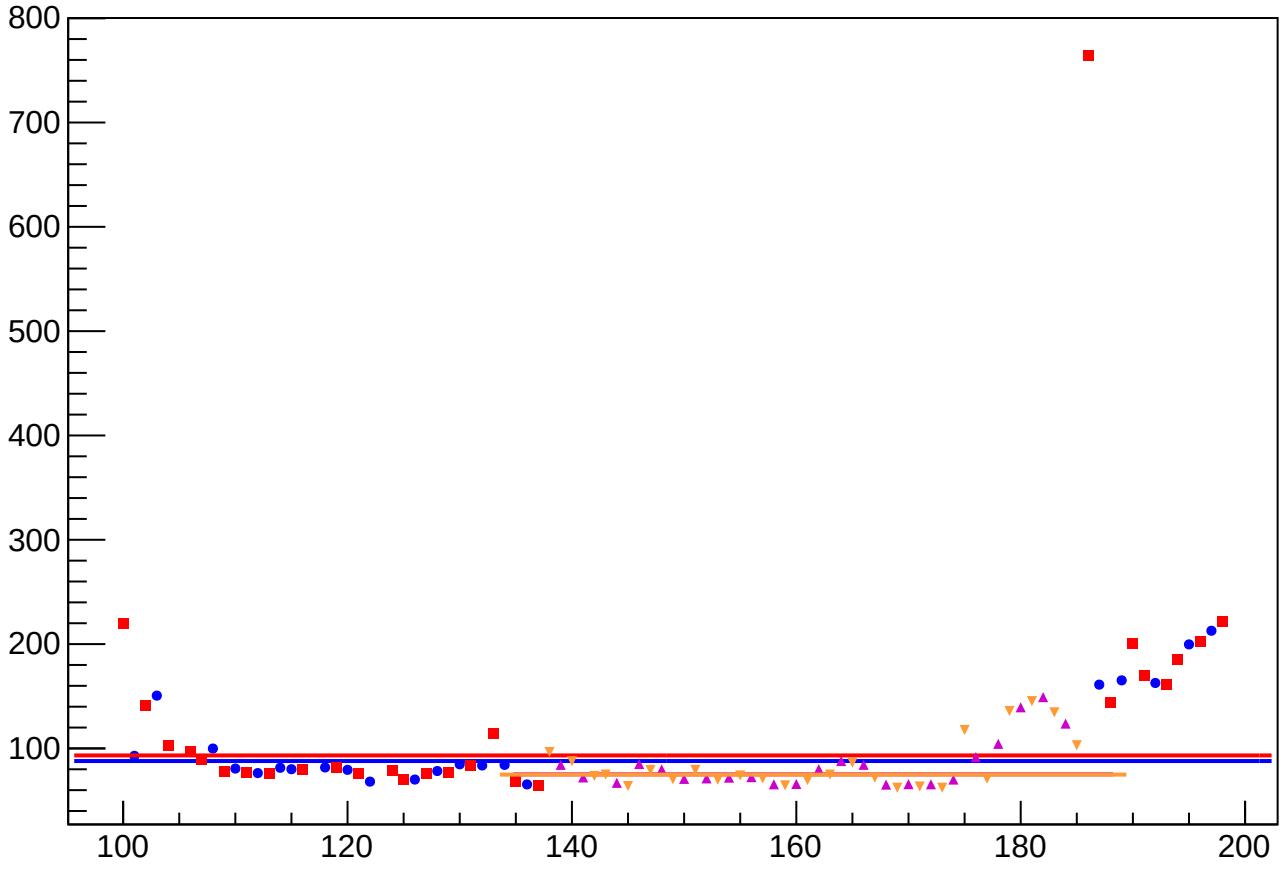
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.519+/-15.091 χ^2/NDF: 41.8/45

All: -9.702+/-10.765 χ^2/NDF: 130.4/95

- sign -53.448+/-15.361 χ^2/NDF: 72.6/49

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 87.908+/-0.021 χ^2/NDF: 2423870.4/20

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

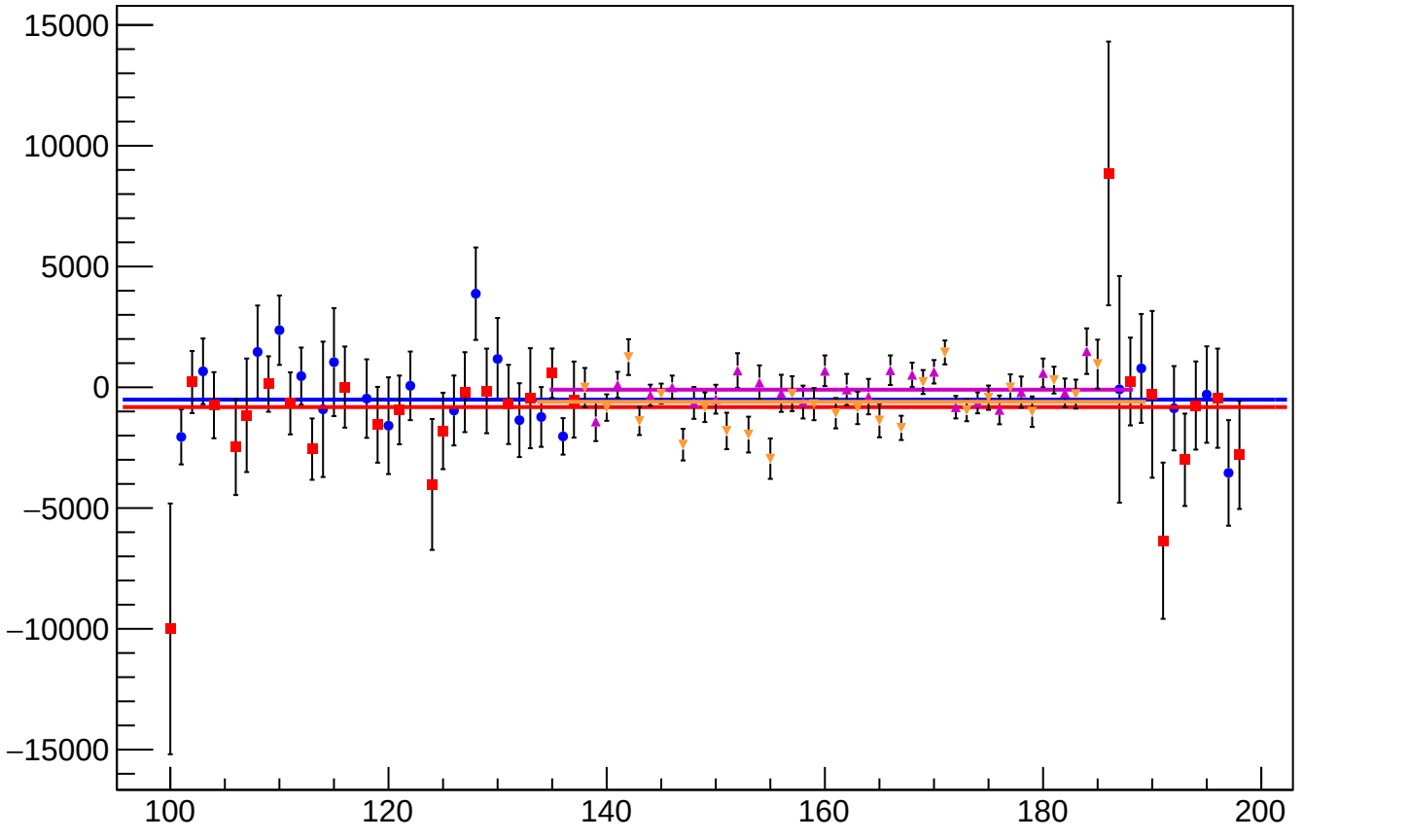
Right Out: 93.274+/-0.020 χ^2/NDF: 3728168.1/26

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 78.422+/-0.011 χ^2/NDF: 4378568.9/45

All: 79.371+/-0.008 χ^2/NDF: 10004736.4/95

- sign 80.355+/-0.011 χ^2/NDF: 5610040.7/49



Right In: -510.287+/-329.856 χ^2/NDF: 22.6/20

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

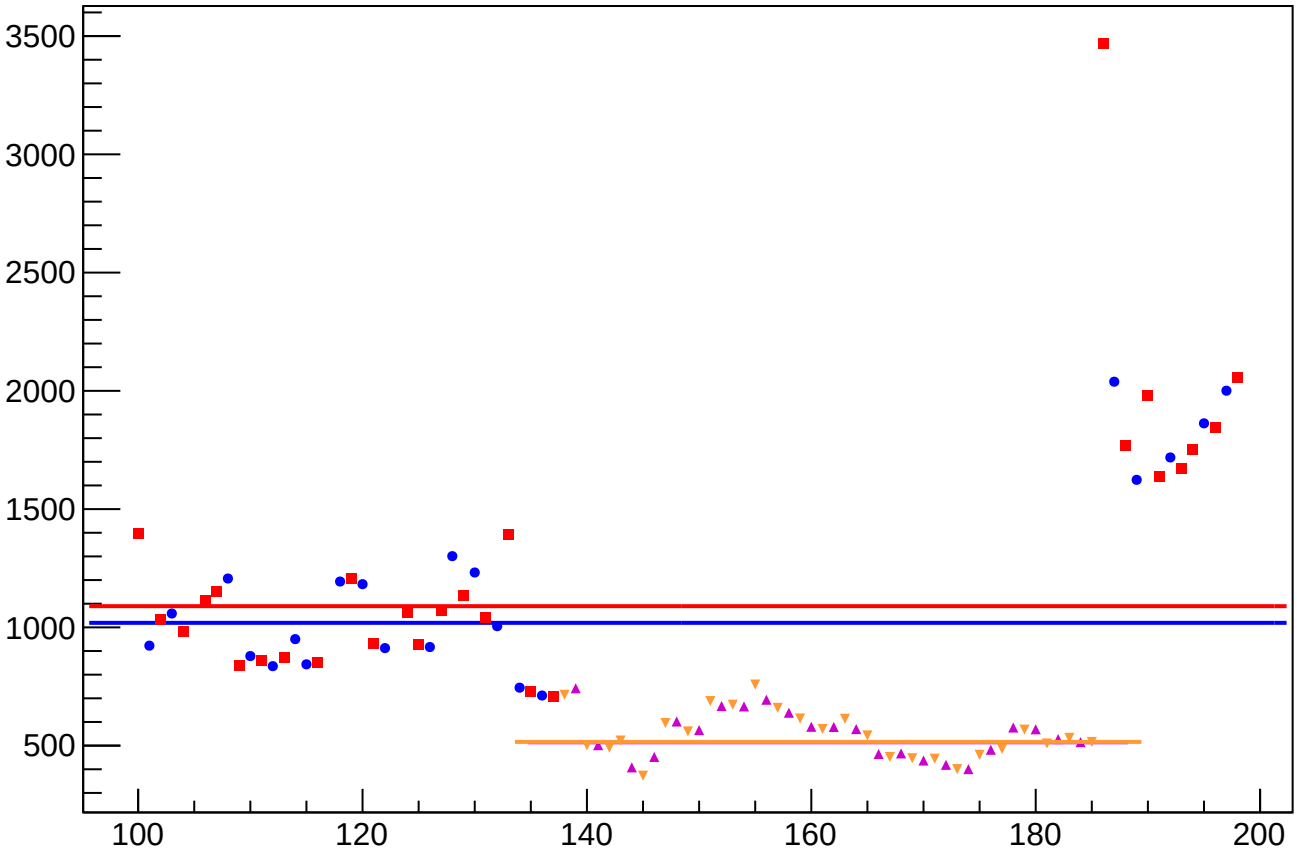
Right Out: -818.913+/-323.233 χ^2/NDF: 20.1/26

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -588.580+/-112.208 χ^2/NDF: 87.7/45

All: -392.772+/-80.105 χ^2/NDF: 142.1/95

- sign -189.258+/-114.394 χ^2/NDF: 48.2/49



Right In: 1019.154+/-0.233 χ^2/NDF: 1996806.5/20

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1089.596+/-0.229 χ^2/NDF: 2699687.9/26

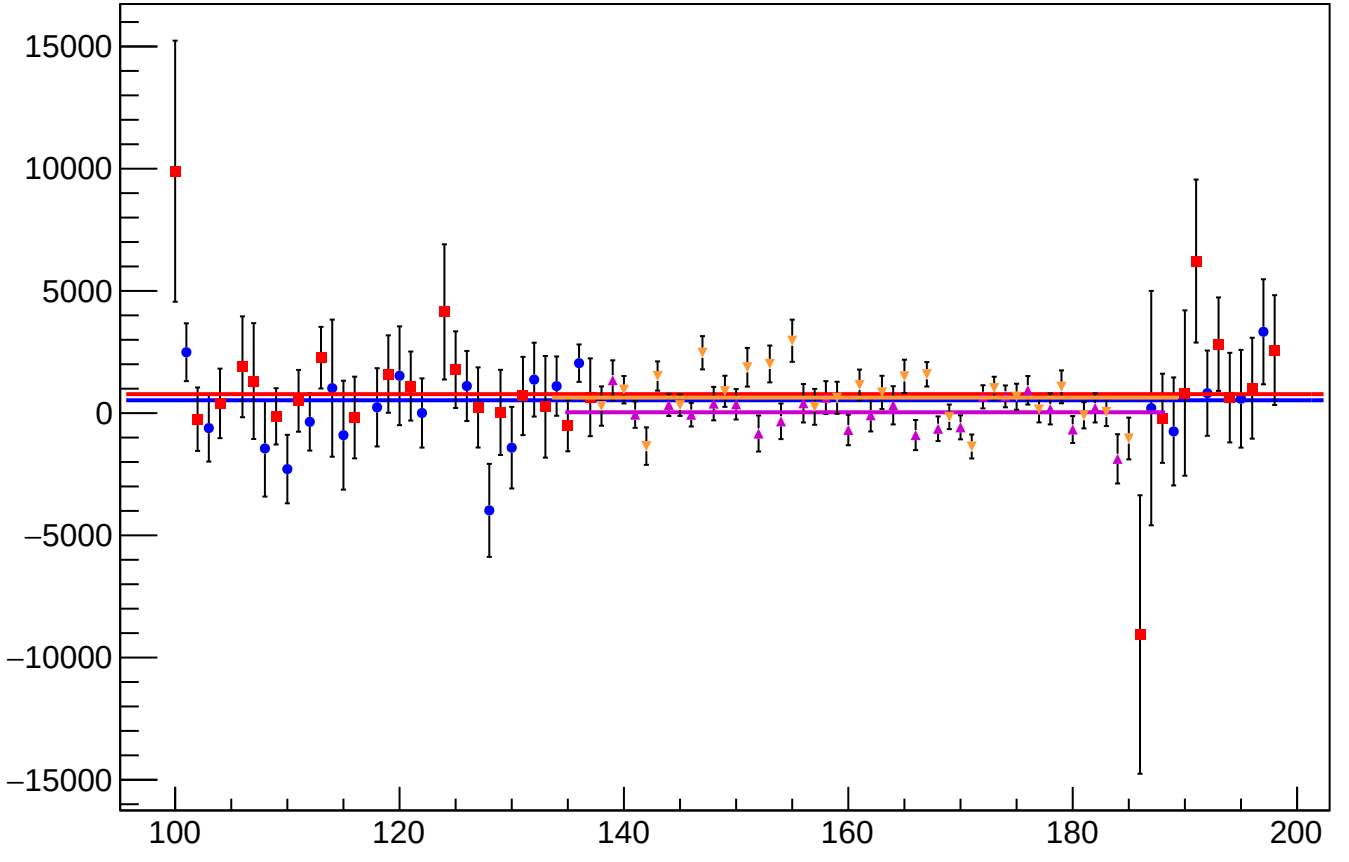
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 574.011+/-0.079 χ^2/NDF: 7348236.4/45

All: 579.973+/-0.057 χ^2/NDF: 16722423.0/95

- sign 586.170+/-0.081 χ^2/NDF: 9362672.5/49

asym_sam_12345678_avg_mean vs Slug



Right In: 526.317+/-329.868 χ^2/NDF: 23.6/20

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 776.307+/-324.956 χ^2/NDF: 18.1/26

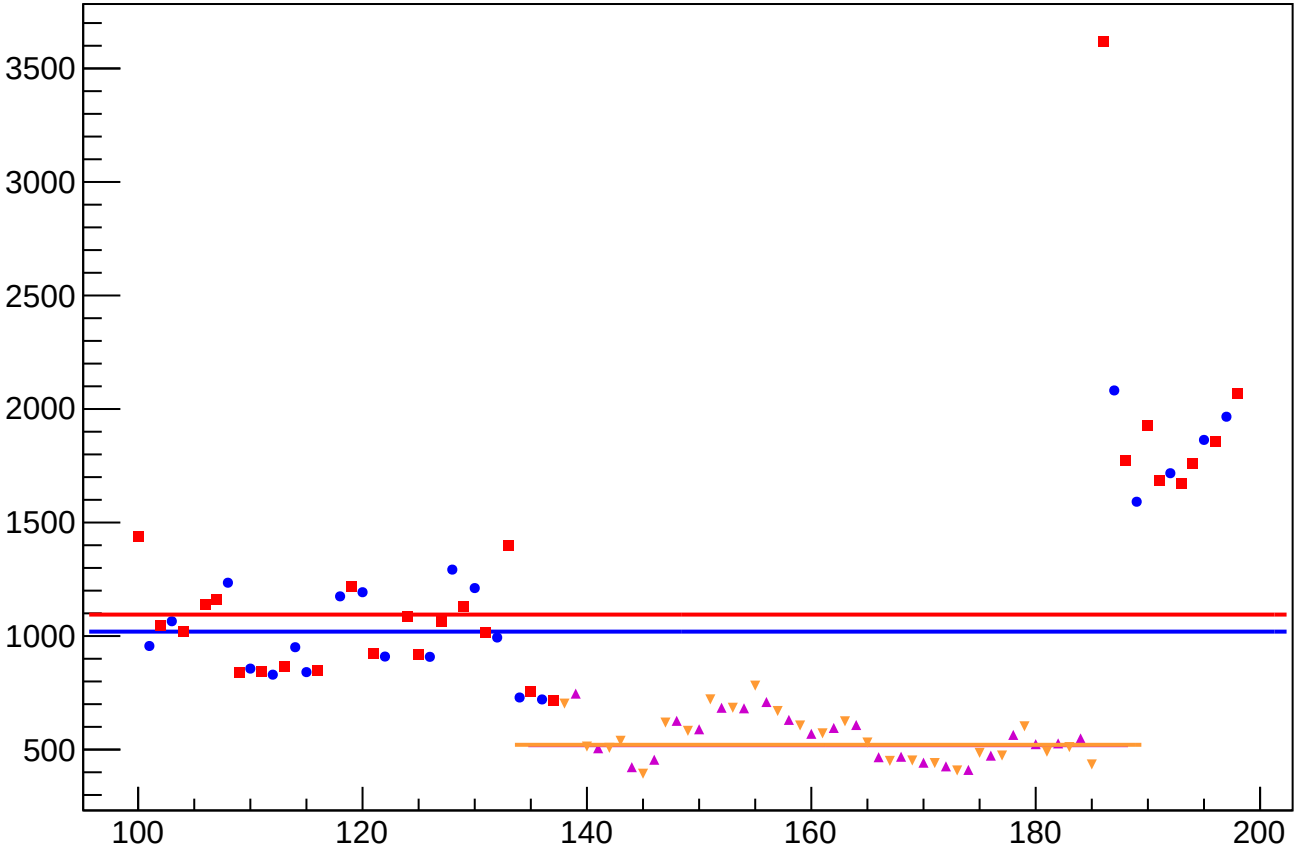
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 621.973+/-113.364 χ^2/NDF: 88.2/45

All: 379.710+/-80.891 χ^2/NDF: 145.3/95

- sign 128.415+/-115.458 χ^2/NDF: 47.8/49

asym_sam_12345678_avg_rms vs Slug



Right In: 1019.488+/-0.233 χ^2/NDF: 1967288.2/20

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

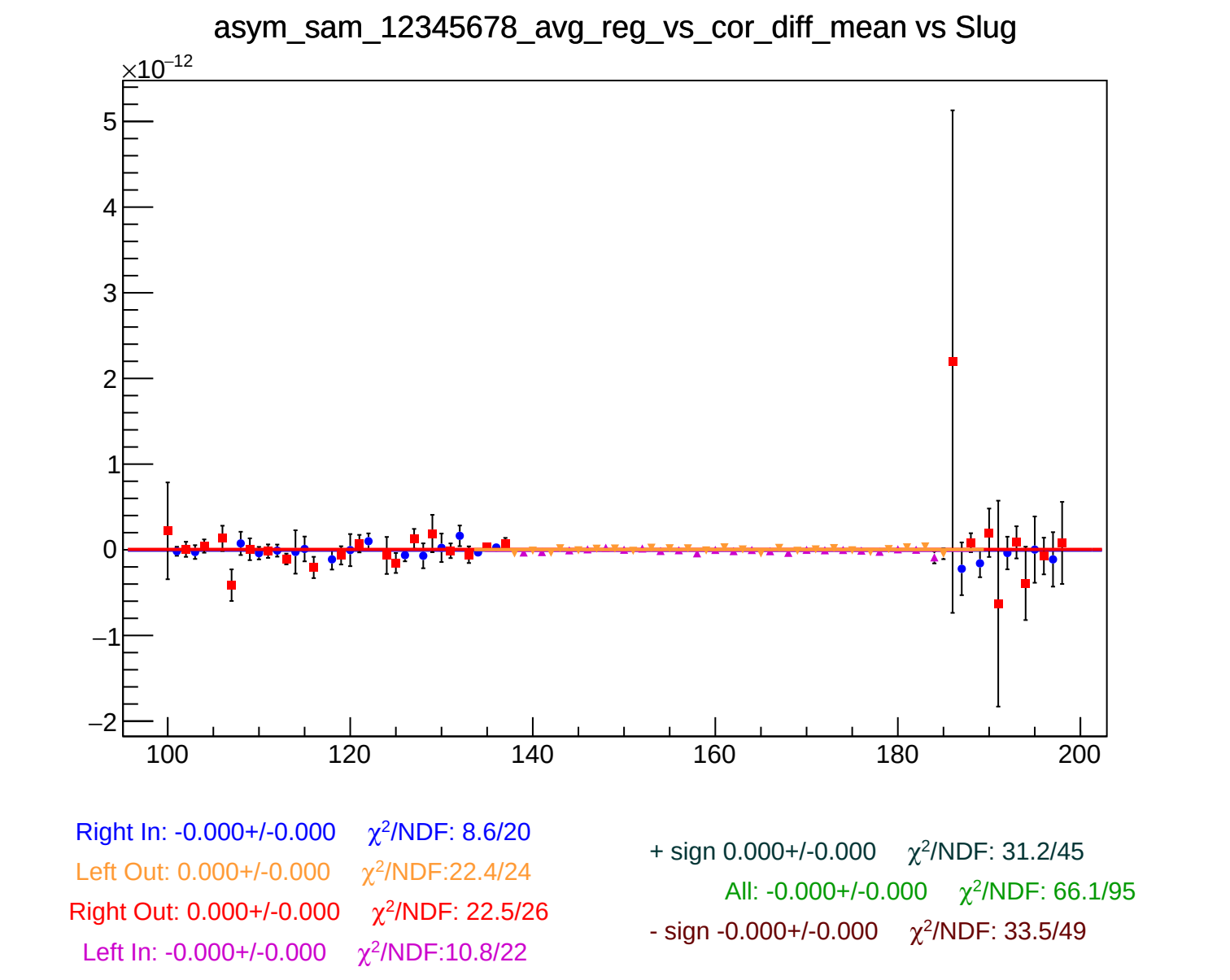
Right Out: 1094.529+/-0.230 χ^2/NDF: 2689707.1/26

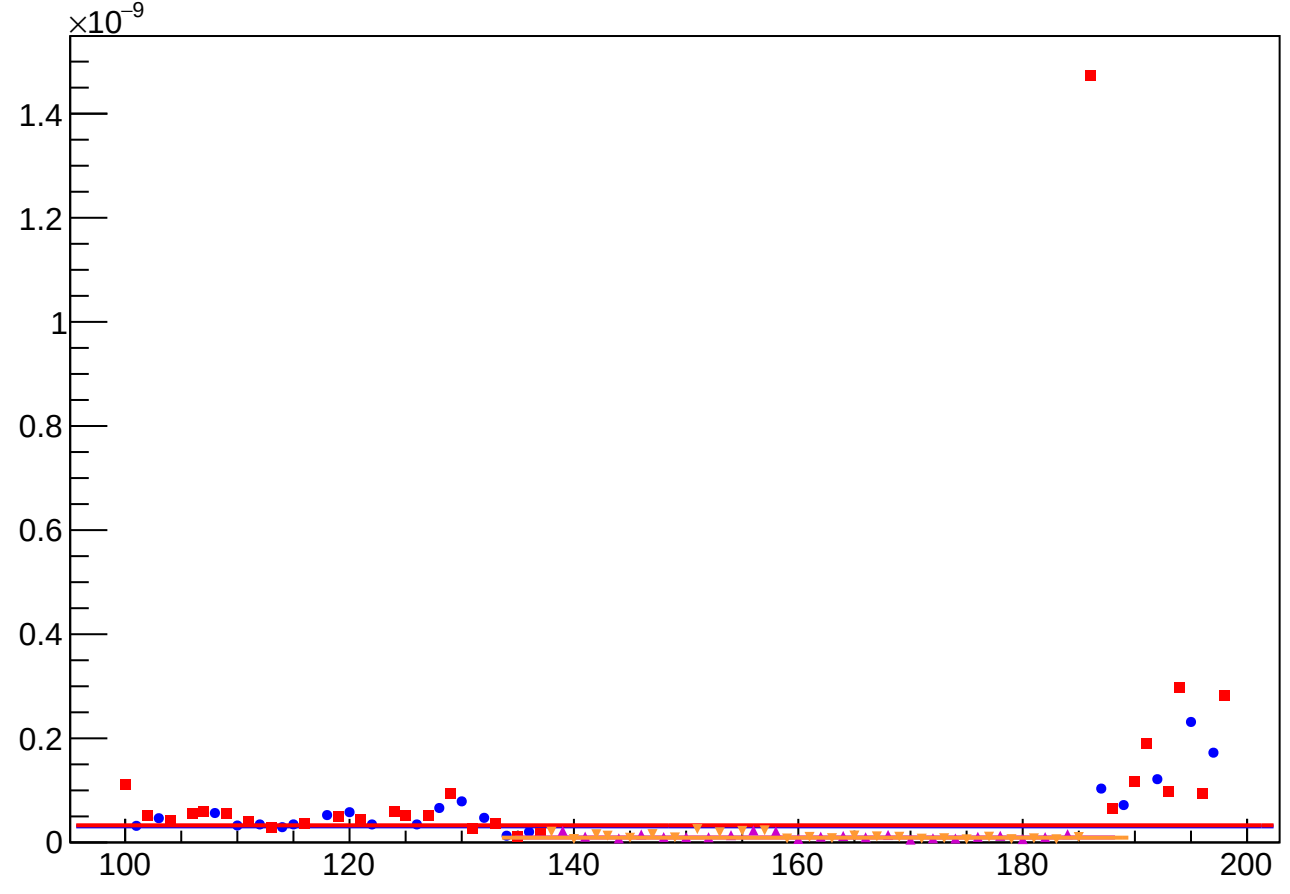
Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 579.896+/-0.080 χ^2/NDF: 7237755.5/45

All: 585.771+/-0.057 χ^2/NDF: 16515996.0/95

- sign 591.864+/-0.082 χ^2/NDF: 9267299.6/49


asym_sam_12345678_avg_reg_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: 8.6/20
Left Out: 0.000+/-0.000 χ²/NDF:22.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.5/26
Left In: -0.000+/-0.000 χ²/NDF:10.8/22
+ sign 0.000+/-0.000 χ²/NDF: 31.2/45
All: -0.000+/-0.000 χ²/NDF: 66.1/95
- sign -0.000+/-0.000 χ²/NDF: 33.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 2815101.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

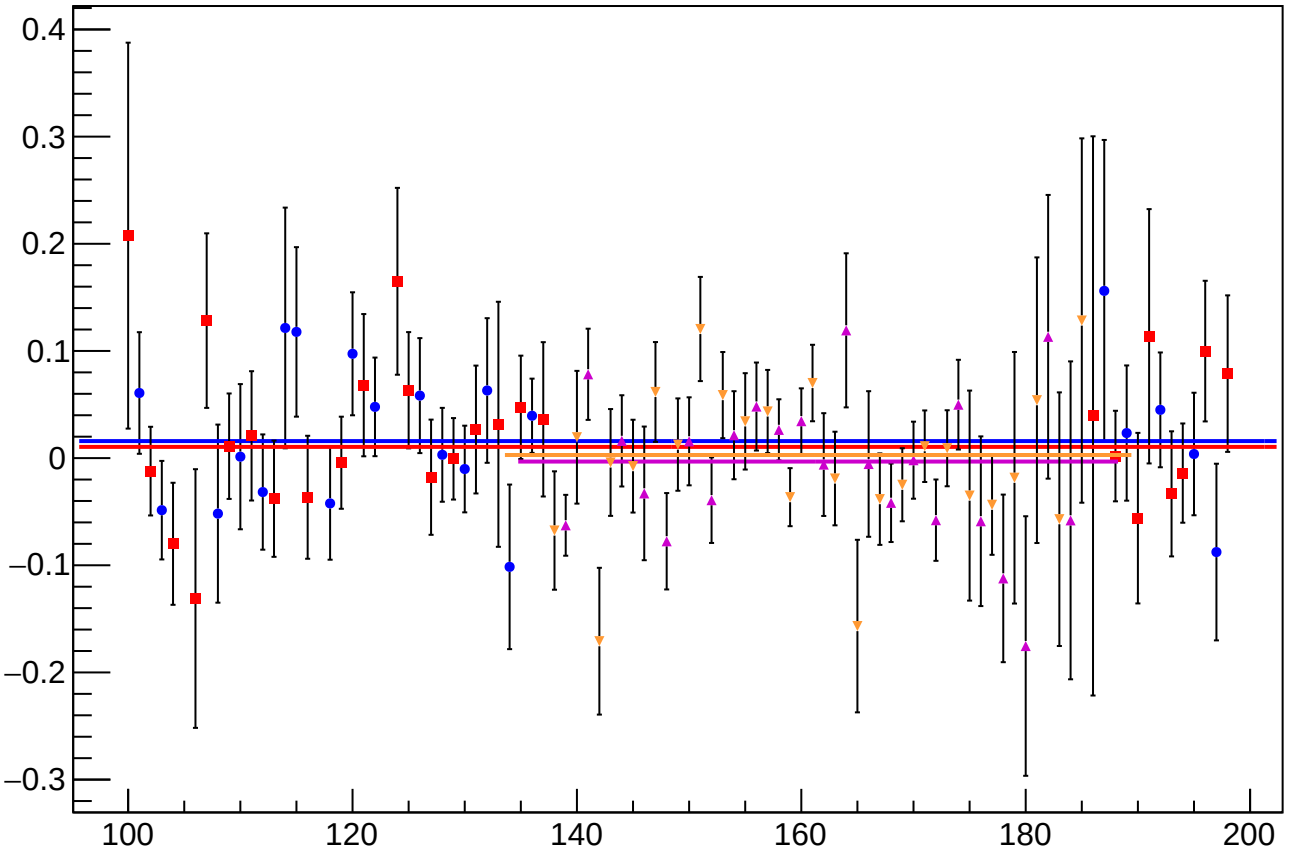
Right Out: 0.000+/-0.000 χ^2/NDF: 4303205.2/26

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7886382.9/45

All: 0.000+/-0.000 χ^2/NDF: 16789191.4/95

- sign 0.000+/-0.000 χ^2/NDF: 8890657.9/49



Right In: 0.016+/-0.012 χ^2/NDF: 17.7/20

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.010+/-0.011 χ^2/NDF: 20.2/26

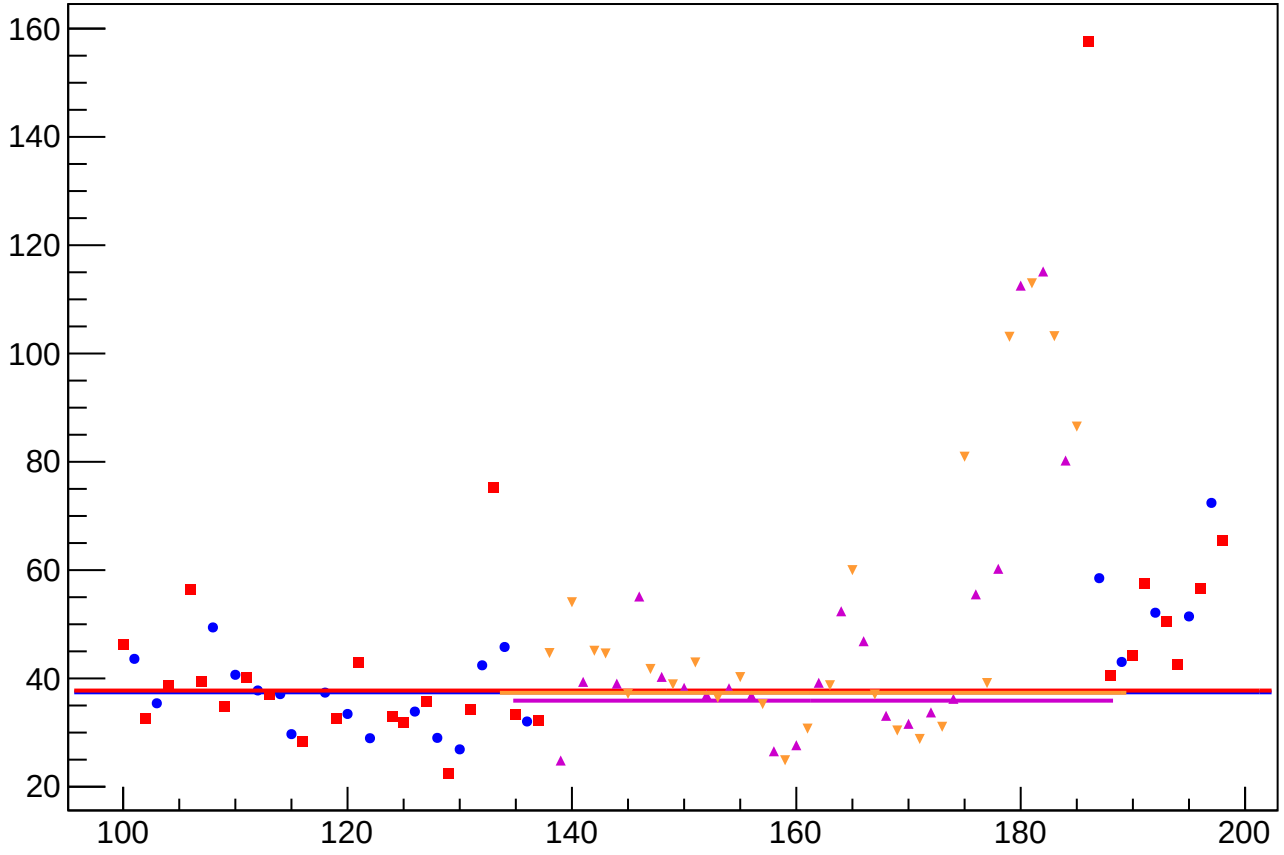
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 51.3/45

All: 0.005+/-0.005 χ^2/NDF: 102.5/95

- sign 0.002+/-0.007 χ^2/NDF: 50.9/49

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.437+/-0.009 χ^2/NDF: 1163295.4/20

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

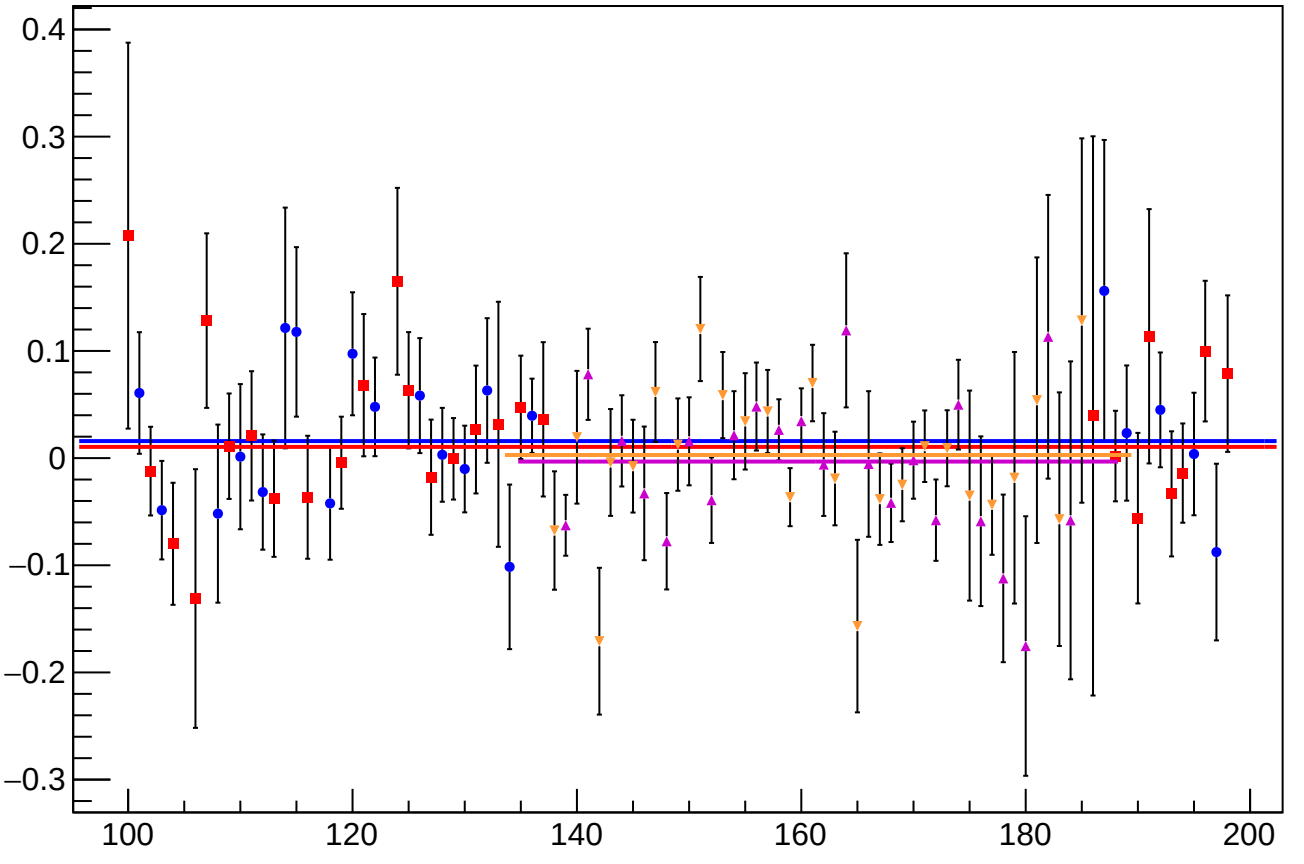
Right Out: 37.760+/-0.008 χ^2/NDF: 1870740.7/26

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.378+/-0.005 χ^2/NDF: 4860016.4/45

All: 36.990+/-0.004 χ^2/NDF: 9912250.5/95

- sign 36.628+/-0.005 χ^2/NDF: 5041581.6/49



Right In: 0.016+/-0.012 χ^2/NDF: 17.7/20

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

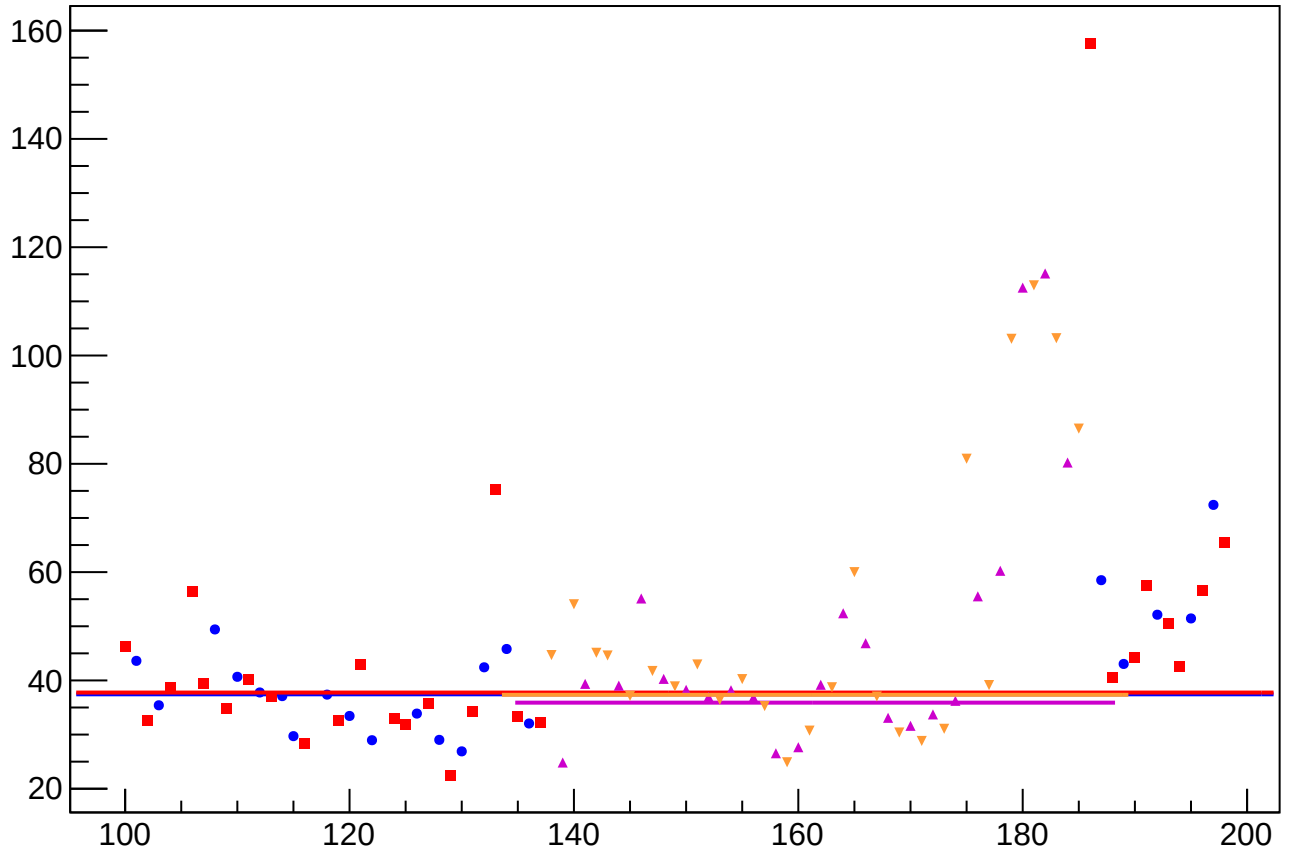
Right Out: 0.010+/-0.011 χ^2/NDF: 20.2/26

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 51.3/45

All: 0.005+/-0.005 χ^2/NDF: 102.5/95

- sign 0.002+/-0.007 χ^2/NDF: 50.9/49



Right In: 37.437+/-0.009 χ^2/NDF: 1163295.4/20

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

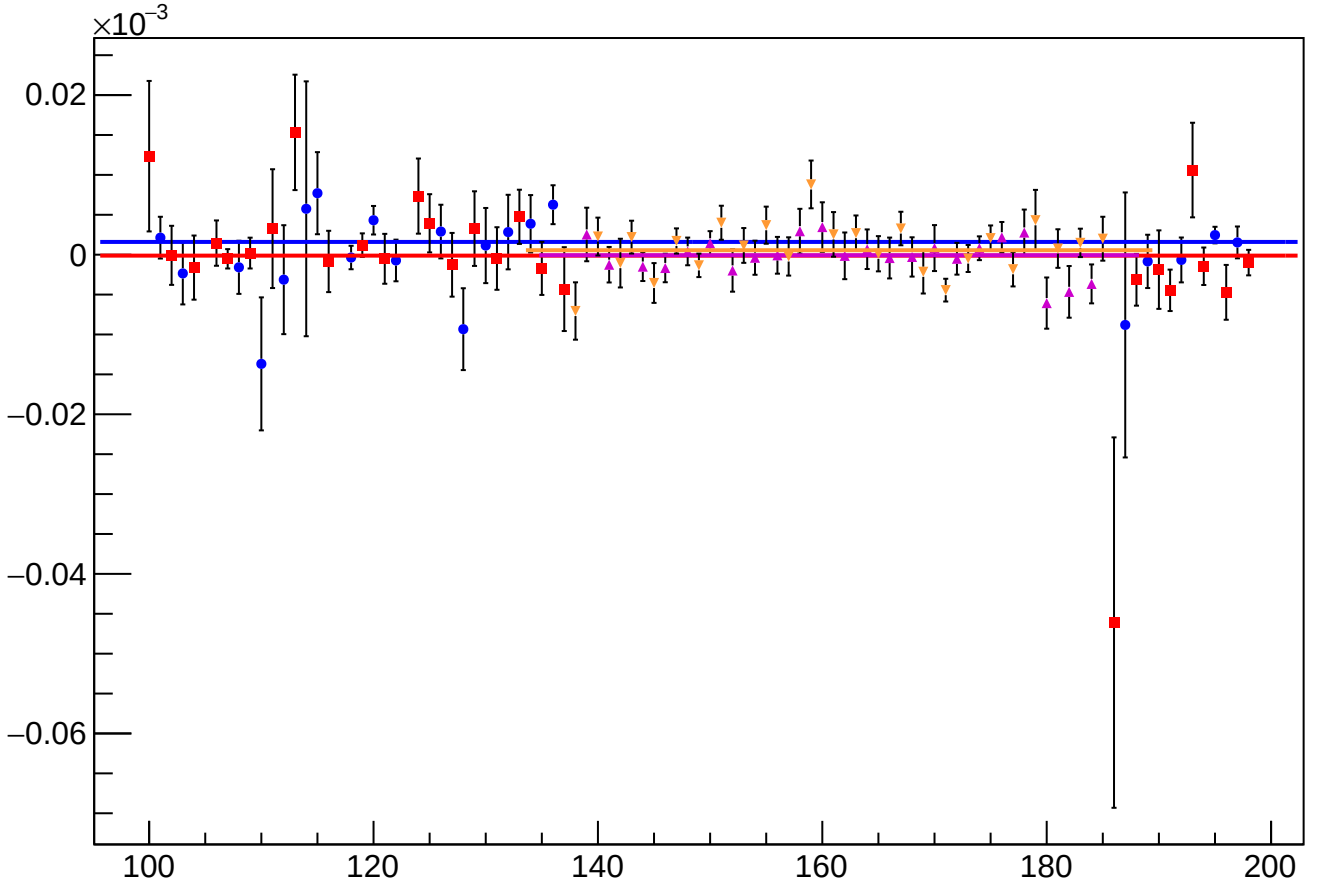
Right Out: 37.760+/-0.008 χ^2/NDF: 1870740.7/26

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.378+/-0.005 χ^2/NDF: 4860016.4/45

All: 36.990+/-0.004 χ^2/NDF: 9912250.5/95

- sign 36.628+/-0.005 χ^2/NDF: 5041581.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

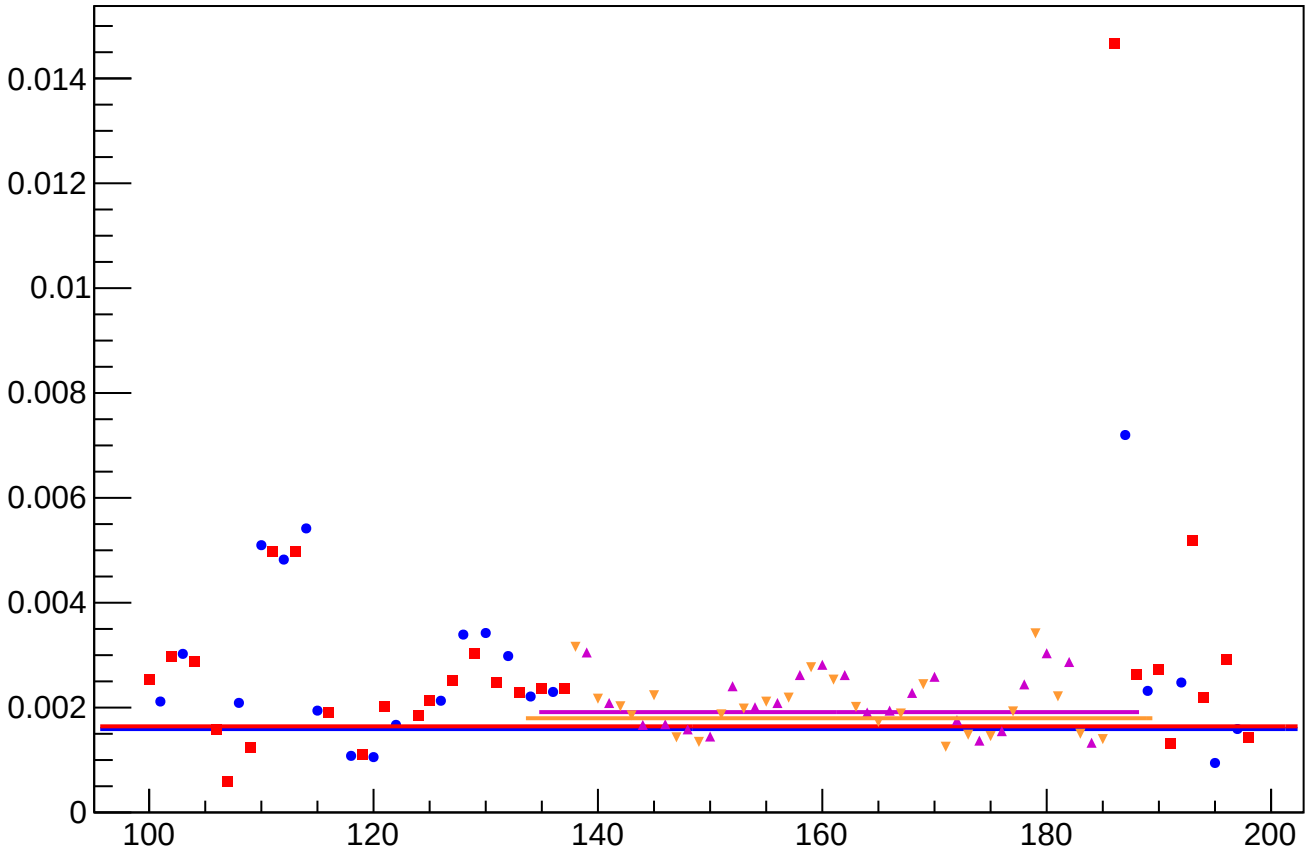
Right Out: -0.000+/-0.000 χ^2/NDF: 28.7/26

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.0/45

All: 0.000+/-0.000 χ^2/NDF: 119.0/95

- sign -0.000+/-0.000 χ^2/NDF: 45.6/49



Right In: 0.002+/-0.000 χ^2/NDF: 4054518.0/20

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

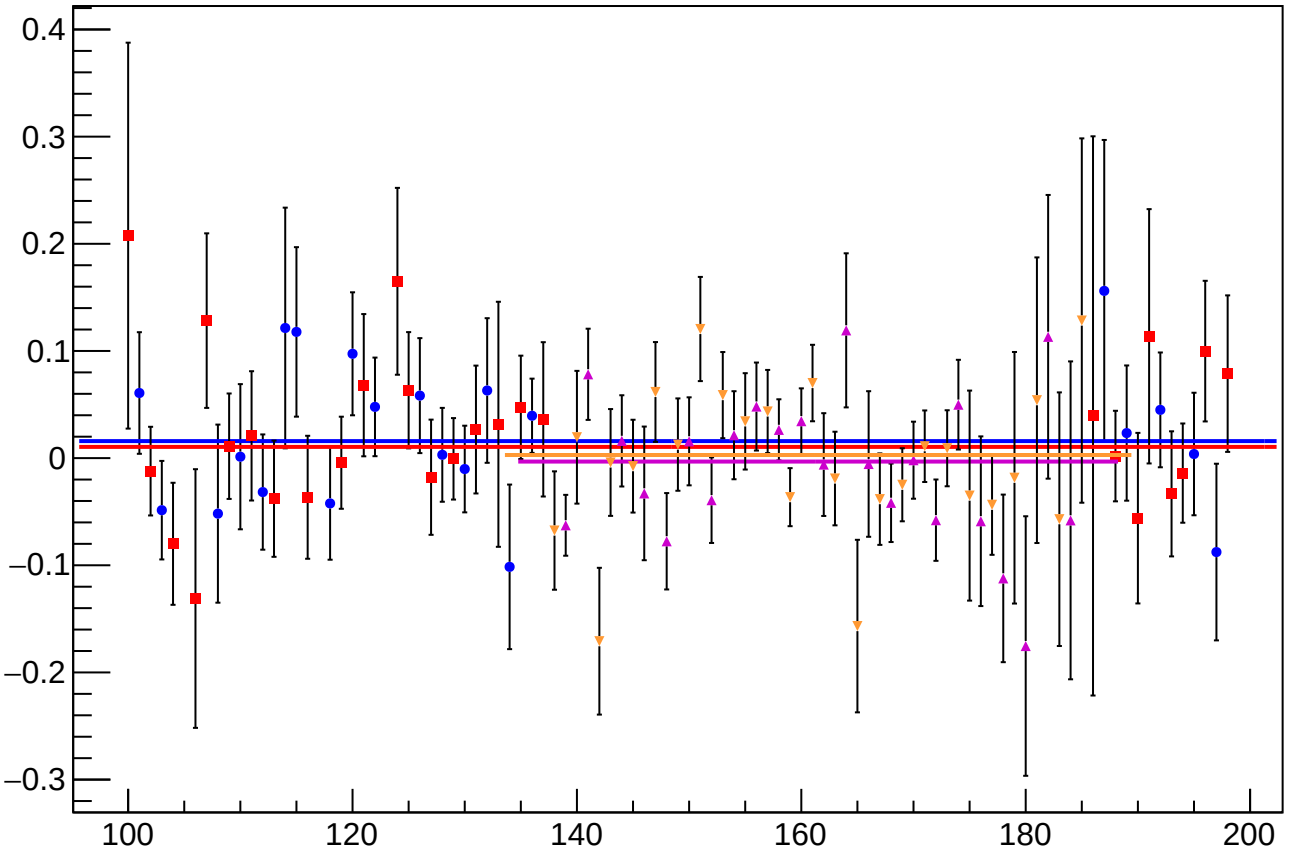
Right Out: 0.002+/-0.000 χ^2/NDF: 5861821.4/26

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 6505866.6/45

All: 0.002+/-0.000 χ^2/NDF: 14876515.5/95

- sign 0.002+/-0.000 χ^2/NDF: 8320434.7/49



Right In: 0.016+/-0.012 χ^2/NDF: 17.7/20

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

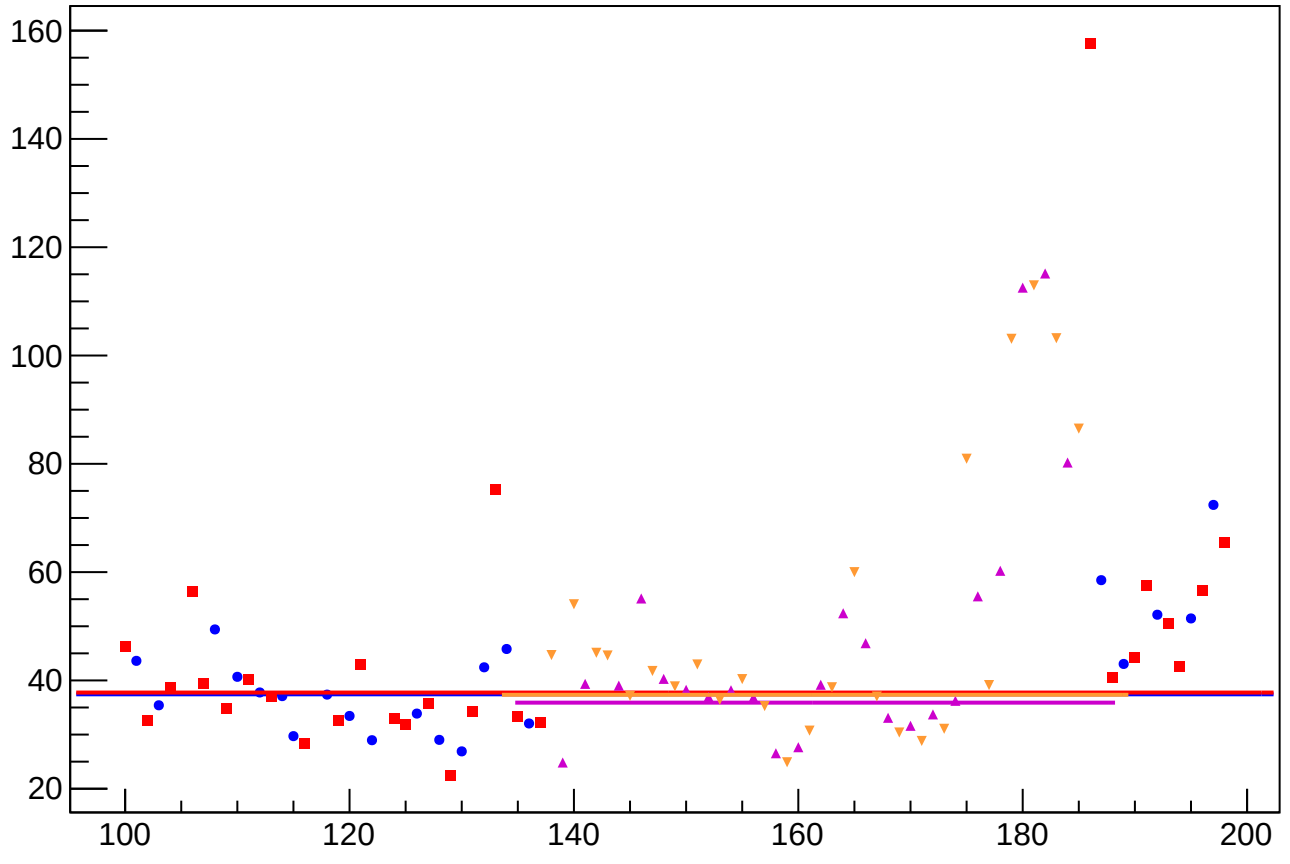
Right Out: 0.010+/-0.011 χ^2/NDF: 20.2/26

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 51.3/45

All: 0.005+/-0.005 χ^2/NDF: 102.5/95

- sign 0.002+/-0.007 χ^2/NDF: 50.9/49



Right In: 37.437+/-0.009 χ^2/NDF: 1163386.2/20

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

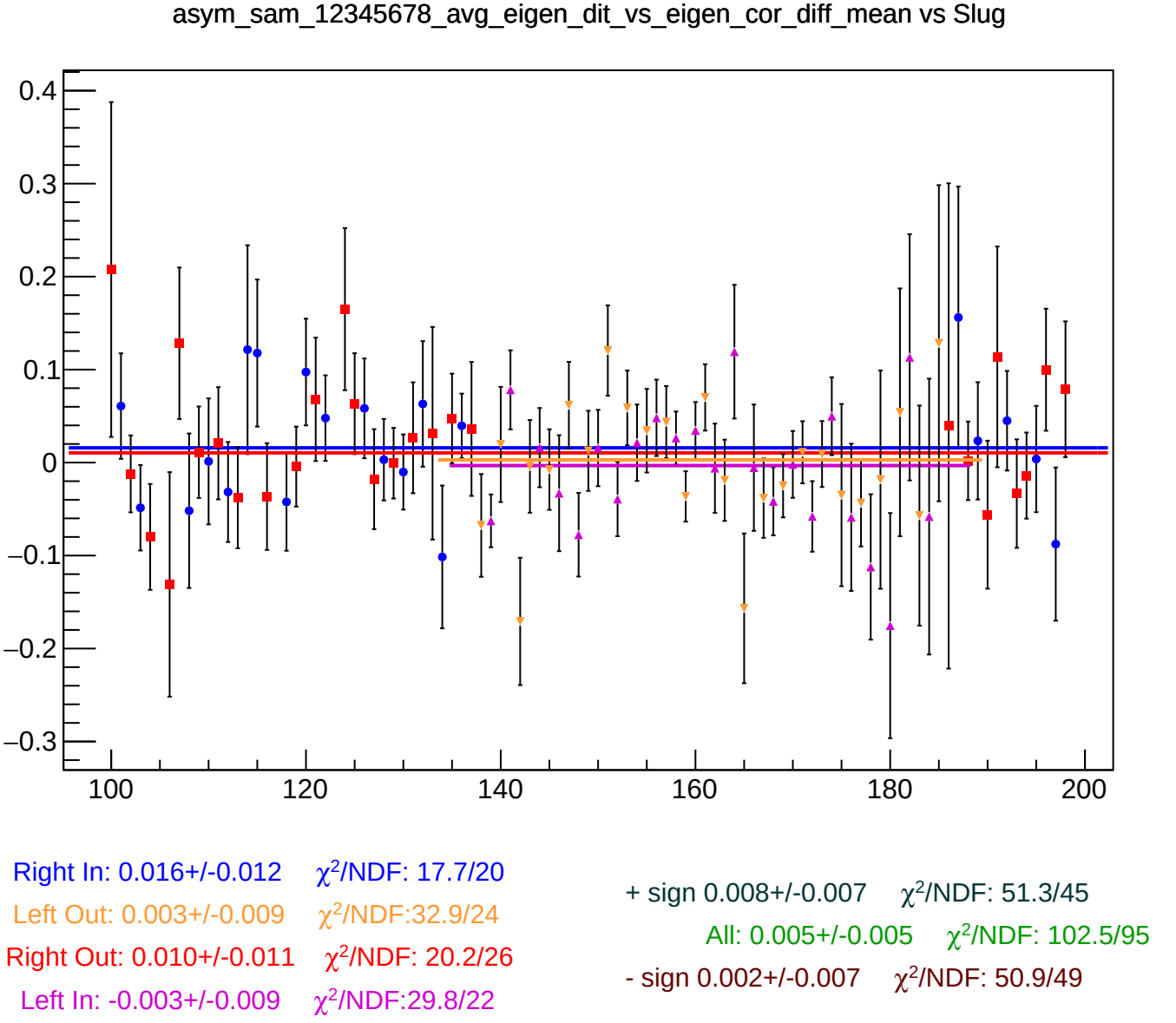
Right Out: 37.760+/-0.008 χ^2/NDF: 1870828.3/26

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

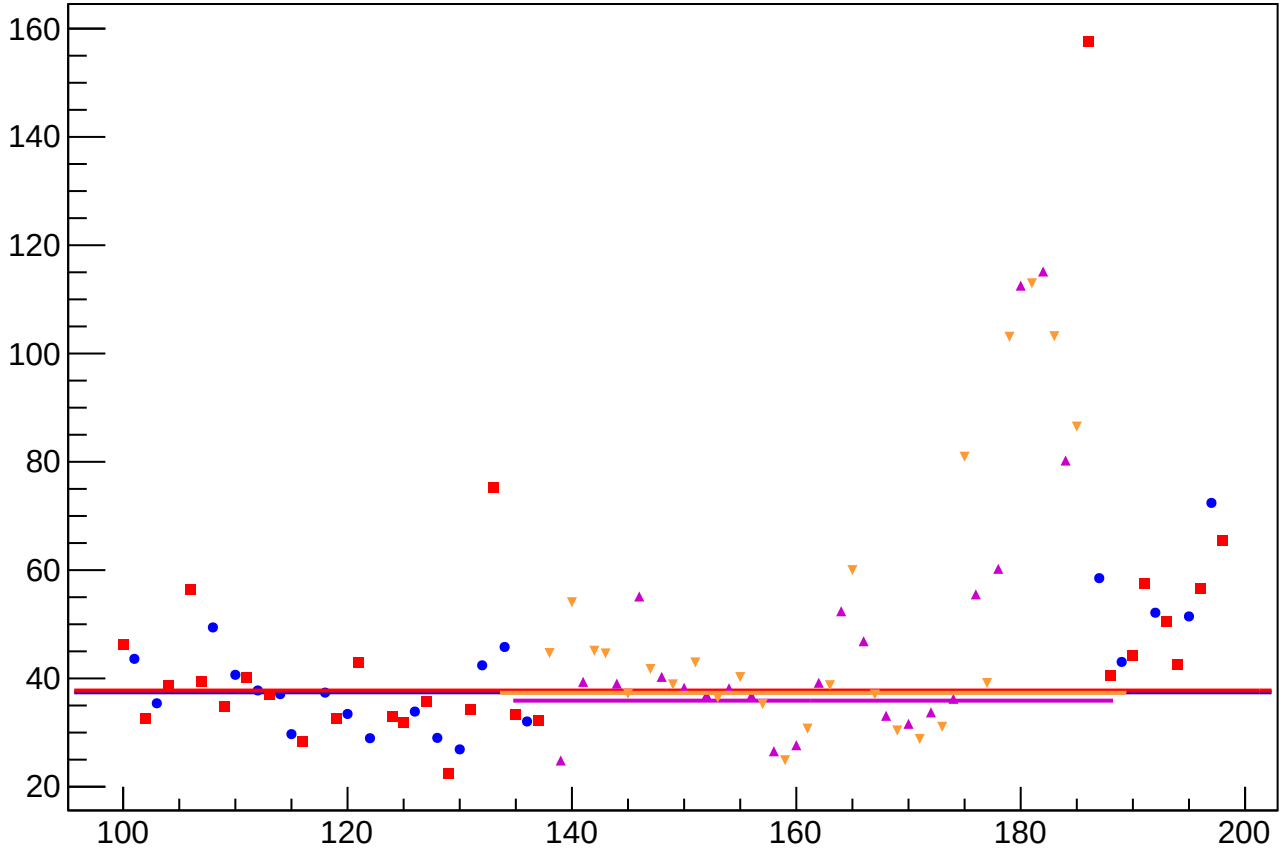
+ sign 37.378+/-0.005 χ^2/NDF: 4860155.9/45

All: 36.990+/-0.004 χ^2/NDF: 9912462.9/95

- sign 36.629+/-0.005 χ^2/NDF: 5041659.7/49


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: 0.016+/-0.012 χ²/NDF: 17.7/20
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: 0.010+/-0.011 χ²/NDF: 20.2/26
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign 0.008+/-0.007 χ²/NDF: 51.3/45
All: 0.005+/-0.005 χ²/NDF: 102.5/95
- sign 0.002+/-0.007 χ²/NDF: 50.9/49

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.437+/-0.009 χ^2/NDF: 1163386.2/20

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

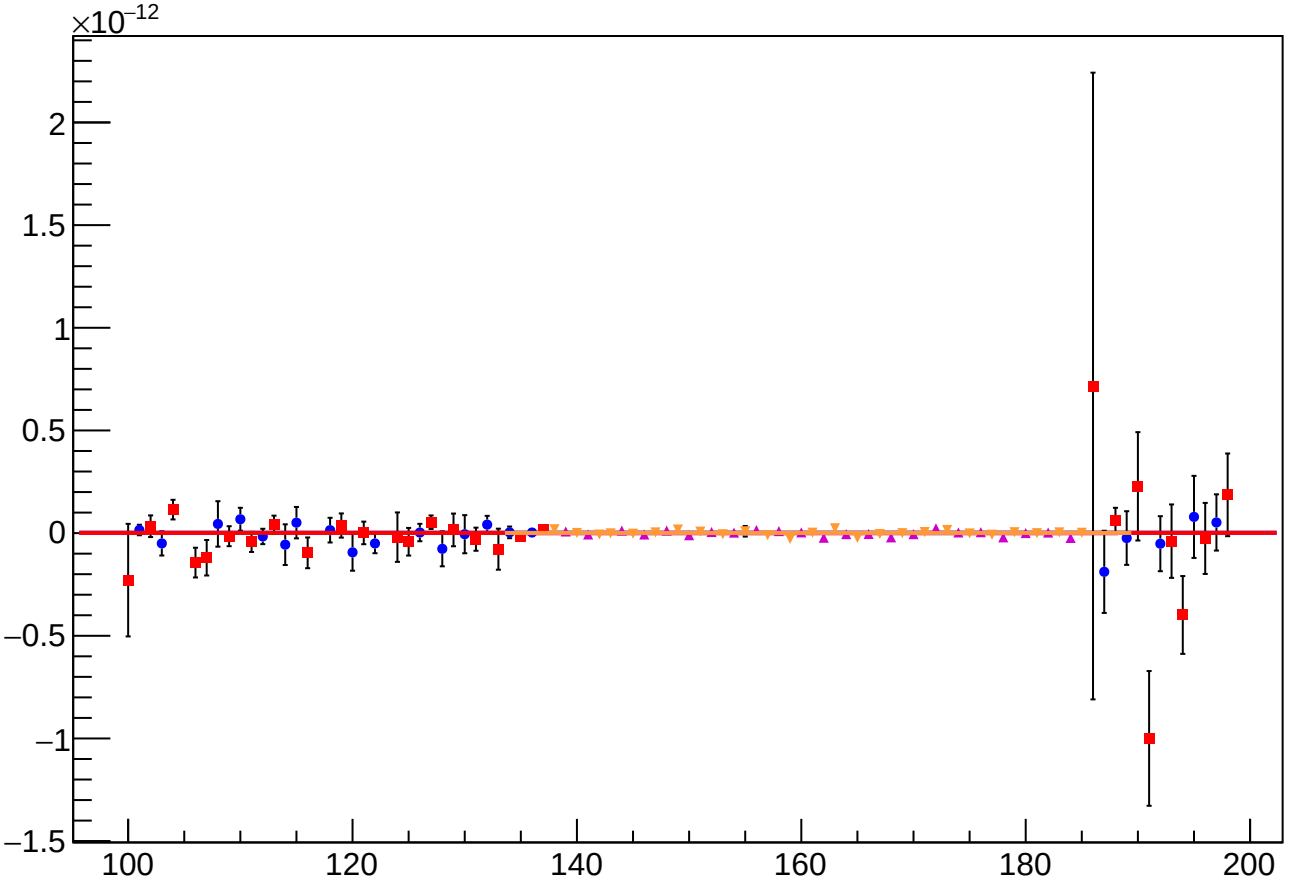
Right Out: 37.760+/-0.008 χ^2/NDF: 1870828.3/26

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.378+/-0.005 χ^2/NDF: 4860155.9/45

All: 36.990+/-0.004 χ^2/NDF: 9912462.9/95

- sign 36.629+/-0.005 χ^2/NDF: 5041659.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

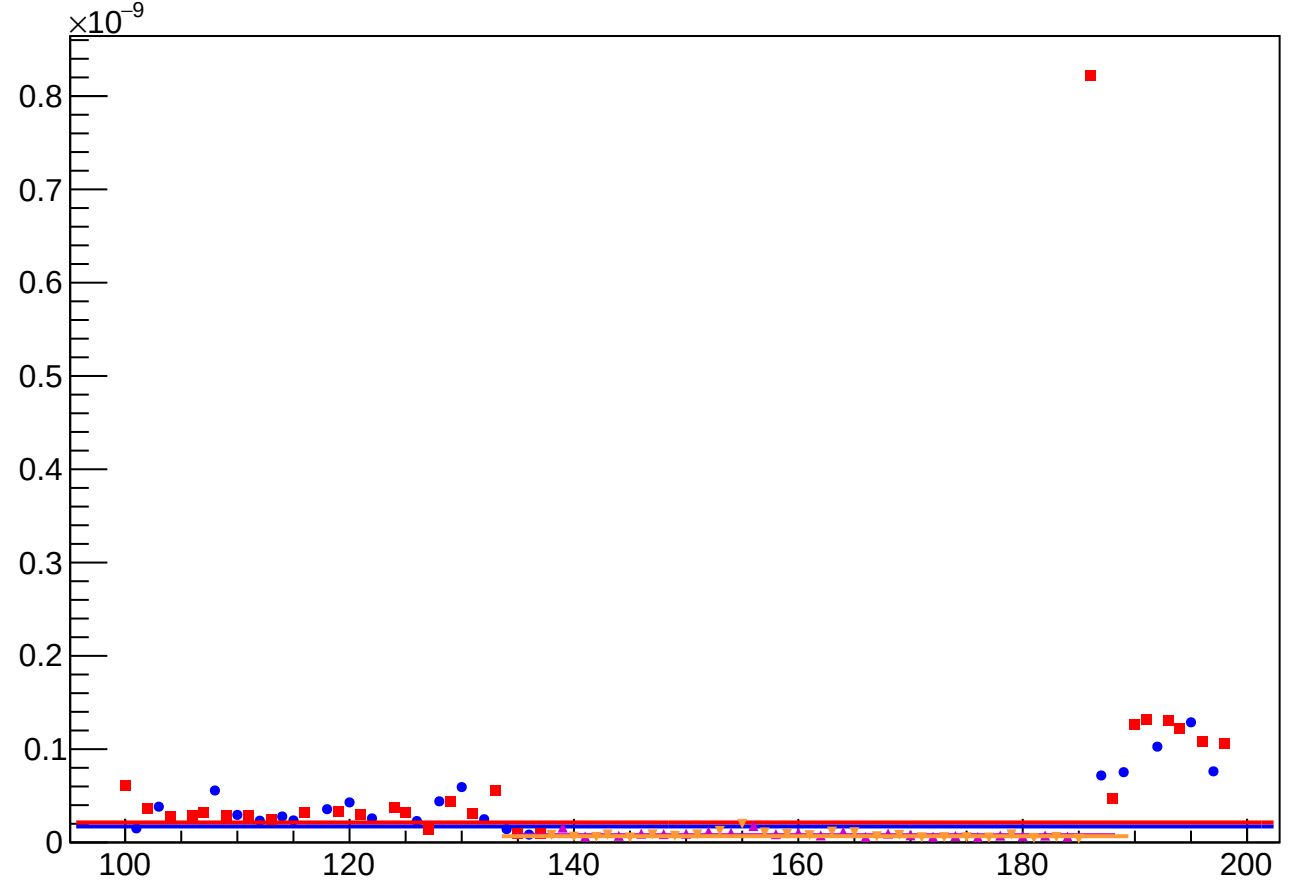
Right Out: 0.000+/-0.000 χ^2/NDF: 38.0/26

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/45

All: 0.000+/-0.000 χ^2/NDF: 98.0/95

- sign -0.000+/-0.000 χ^2/NDF: 67.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 5215473.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6121711.7/26

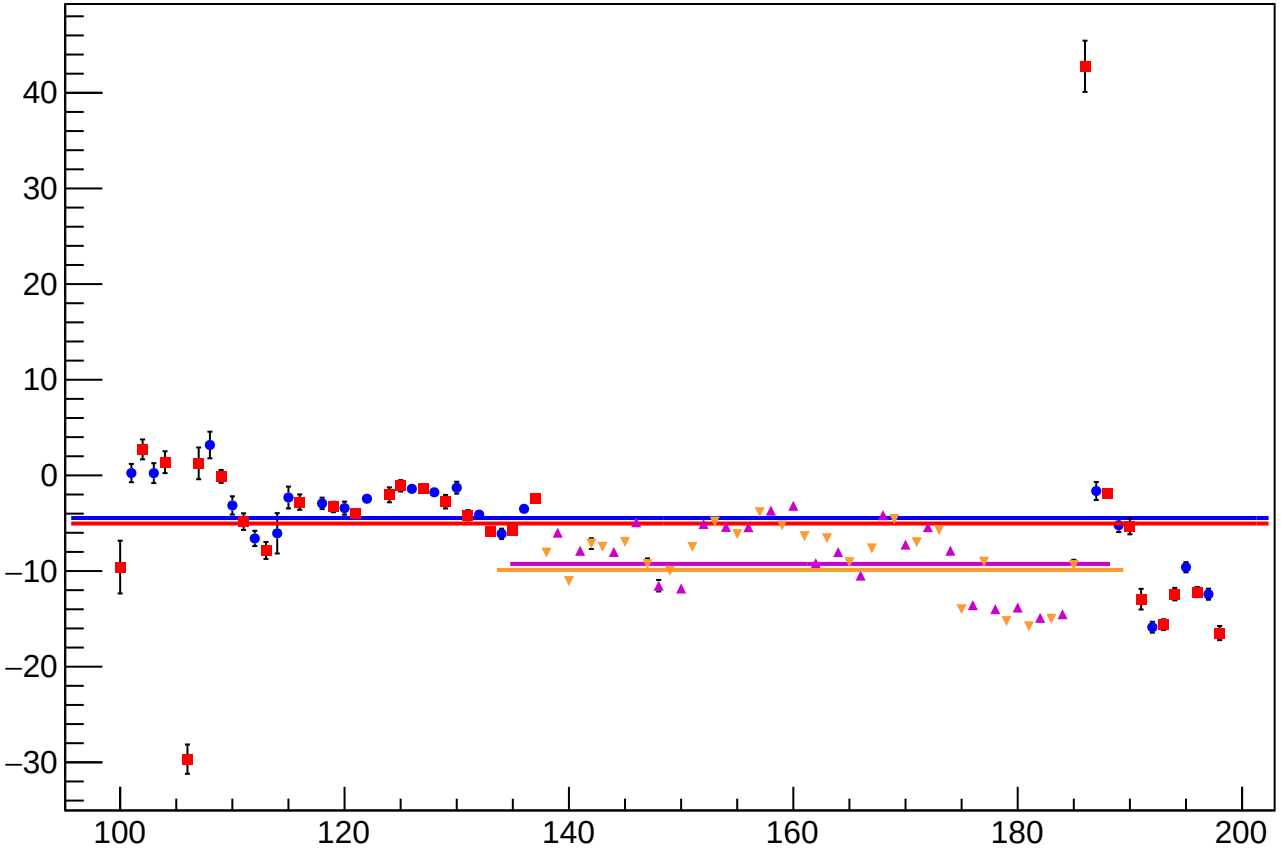
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10174592.2/45

All: 0.000+/-0.000 χ^2/NDF: 21759595.2/95

- sign 0.000+/-0.000 χ^2/NDF: 11252122.2/49

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.454+/-0.122 χ^2/NDF: 930.6/20

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.033+/-0.116 χ^2/NDF: 1999.6/26

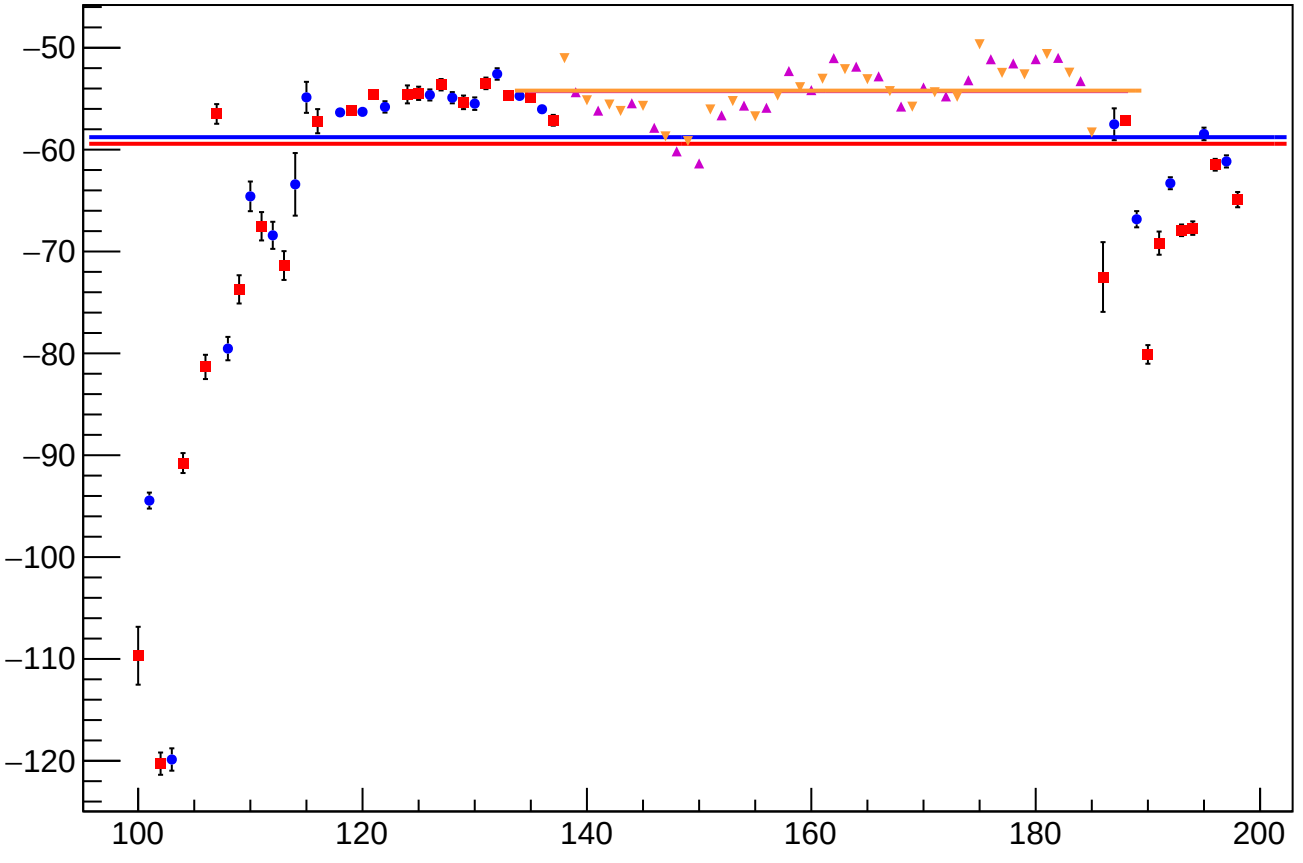
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.553+/-0.060 χ^2/NDF: 5636.1/45

All: -8.326+/-0.043 χ^2/NDF: 11686.0/95

- sign -8.095+/-0.061 χ^2/NDF: 6021.5/49

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.776+/-0.124 χ^2/NDF: 6323.0/20

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.425+/-0.121 χ^2/NDF: 6996.4/26

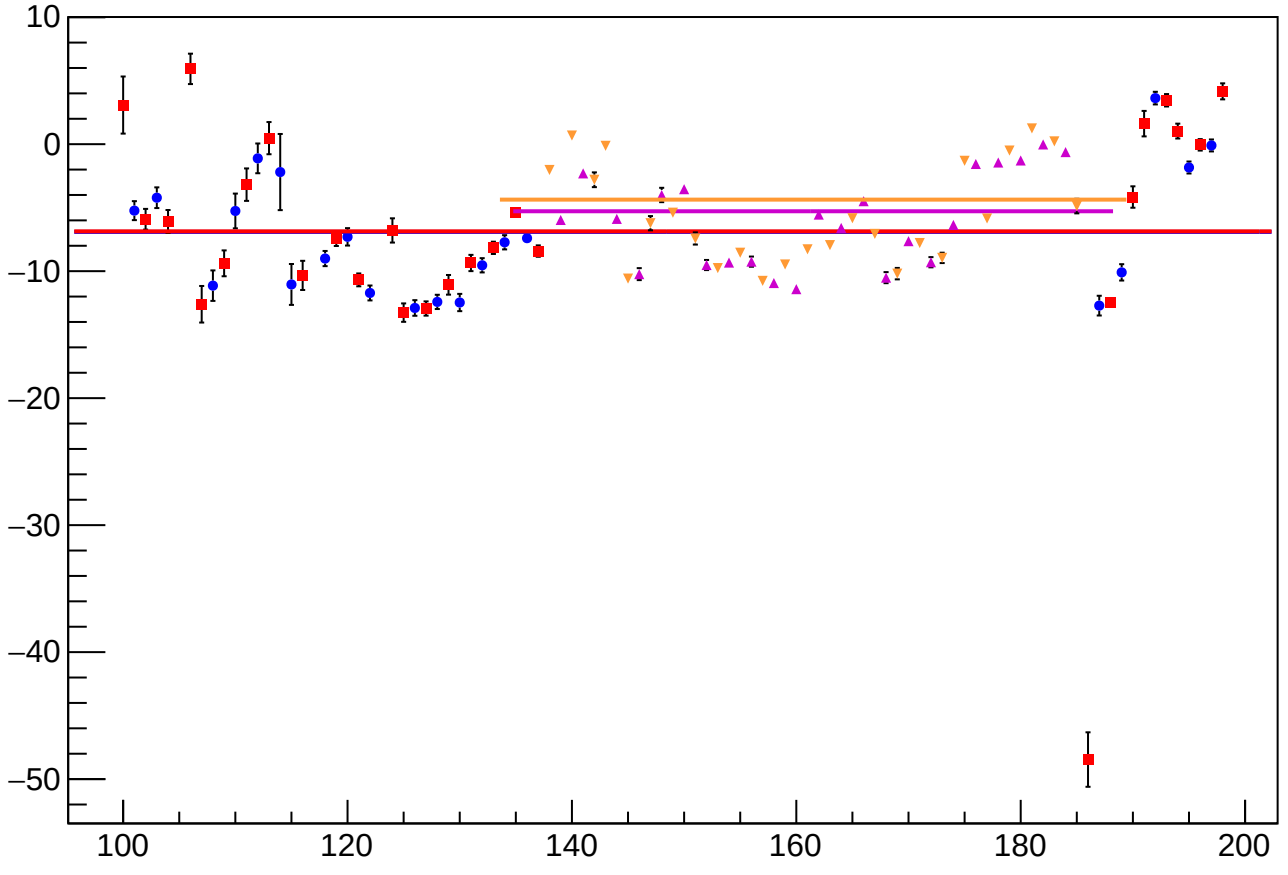
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.973+/-0.051 χ^2/NDF: 9305.1/45

All: -55.100+/-0.037 χ^2/NDF: 20290.5/95

- sign -55.235+/-0.053 χ^2/NDF: 10972.6/49

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -6.908+/-0.124 χ^2/NDF: 1282.5/20

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.865+/-0.116 χ^2/NDF: 2623.2/26

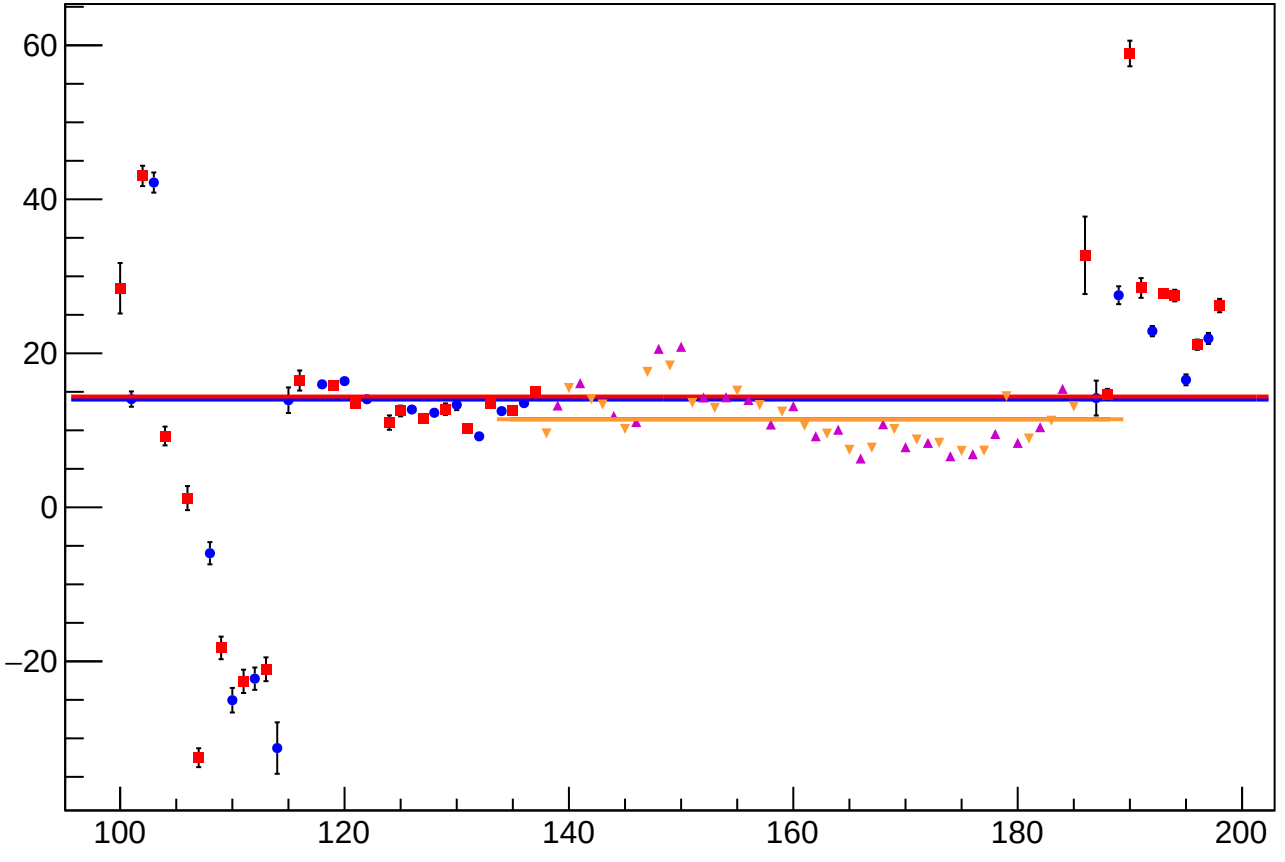
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.969+/-0.060 χ^2/NDF: 5303.6/45

All: -5.342+/-0.043 χ^2/NDF: 10888.2/95

- sign -5.715+/-0.061 χ^2/NDF: 5508.7/49

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 14.000+/-0.139 χ^2/NDF: 2636.7/20

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.390+/-0.138 χ^2/NDF: 5670.5/26

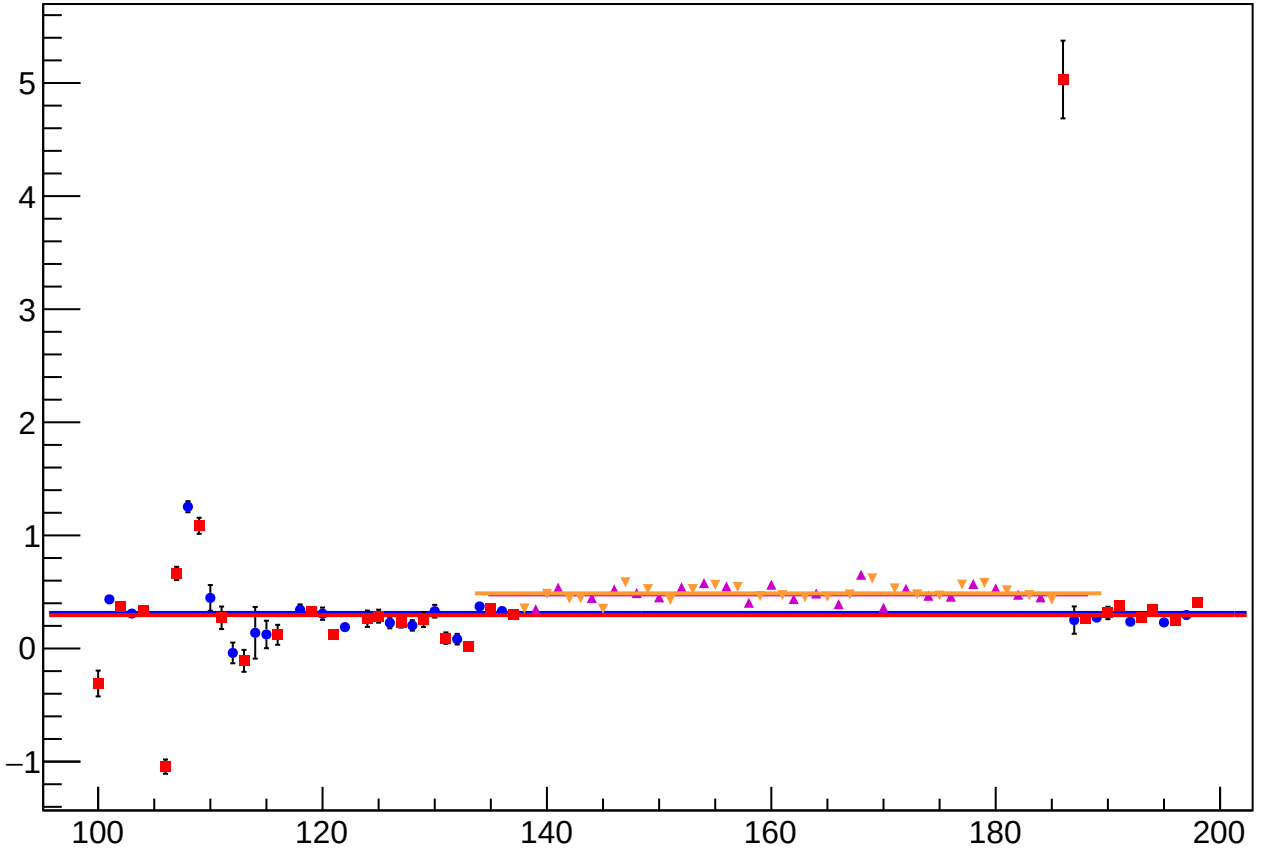
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.860+/-0.057 χ^2/NDF: 5354.0/45

All: 11.911+/-0.041 χ^2/NDF: 14759.1/95

\- sign 11.965+/-0.058 χ^2/NDF: 9403.4/49

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.315+/-0.007 χ^2/NDF: 478.0/20

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.295+/-0.006 χ^2/NDF: 1005.9/26

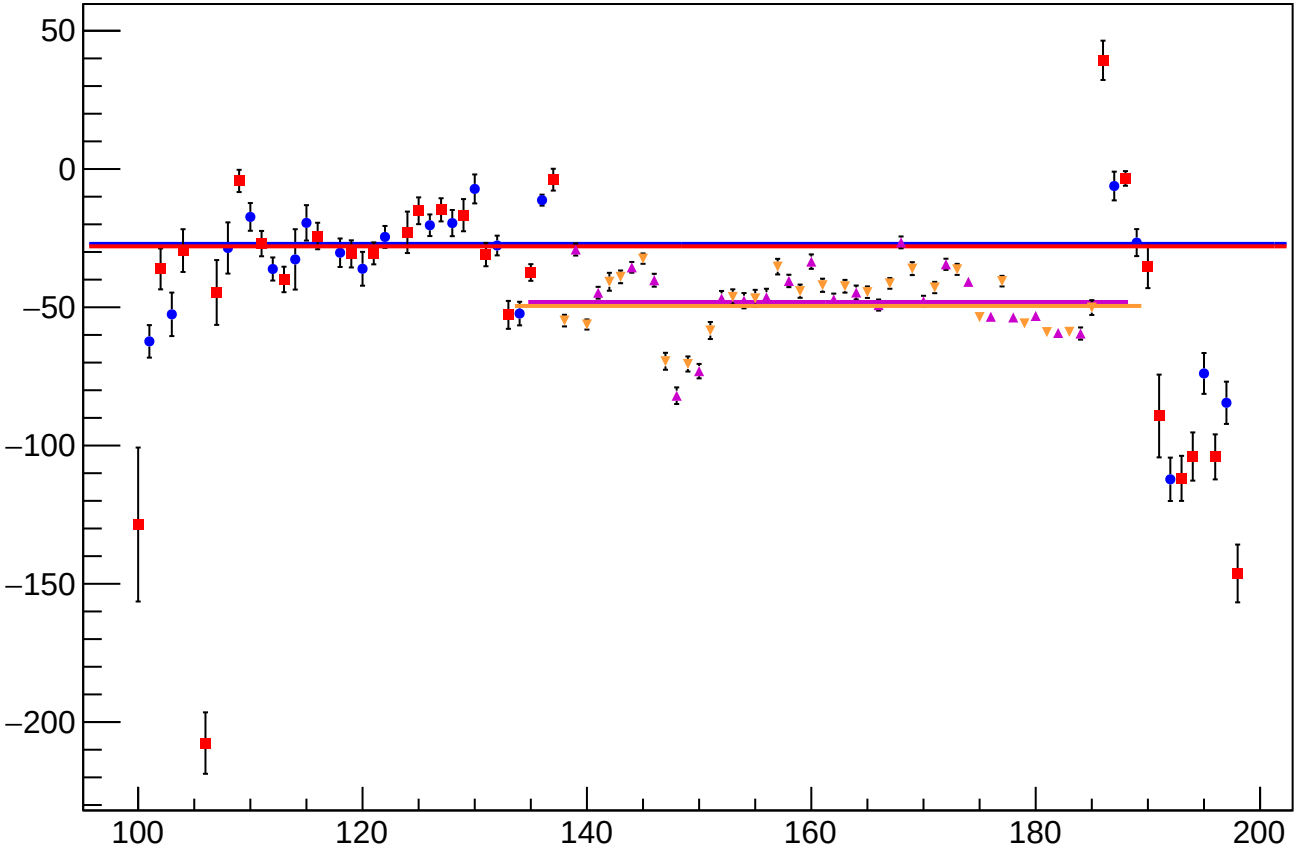
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.462+/-0.003 χ^2/NDF: 1611.0/45

All: 0.456+/-0.002 χ^2/NDF: 4118.6/95

- sign 0.450+/-0.003 χ^2/NDF: 2495.3/49

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -27.075+/-1.011 χ^2/NDF: 408.6/20

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -27.962+/-0.995 χ^2/NDF: 1004.6/26

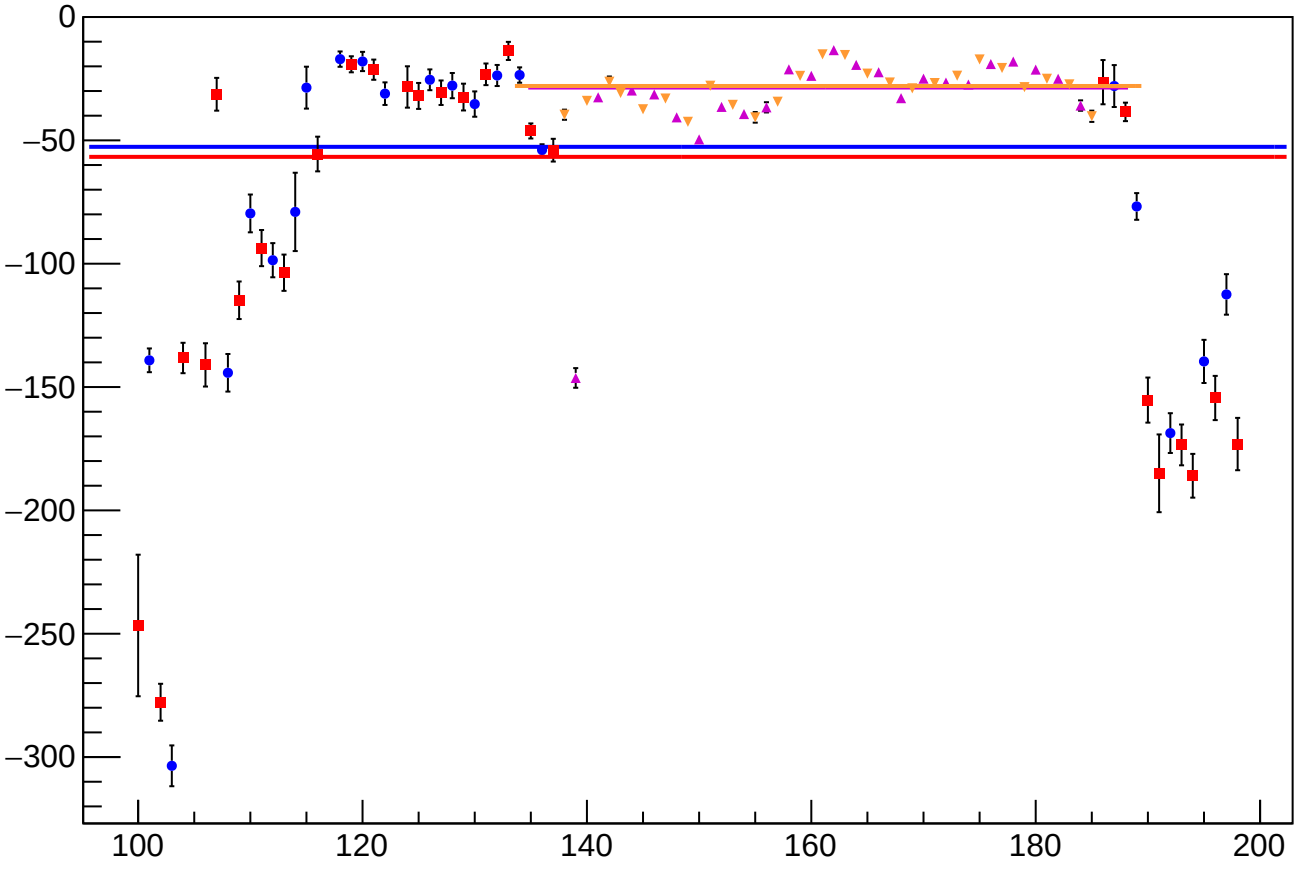
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.448+/-0.374 χ^2/NDF: 1410.1/45

All: -45.777+/-0.268 χ^2/NDF: 3475.2/95

- sign -45.062+/-0.386 χ^2/NDF: 2058.4/49

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -52.626+/-1.045 χ^2/NDF: 2283.3/20

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -56.690+/-1.076 χ^2/NDF: 2687.5/26

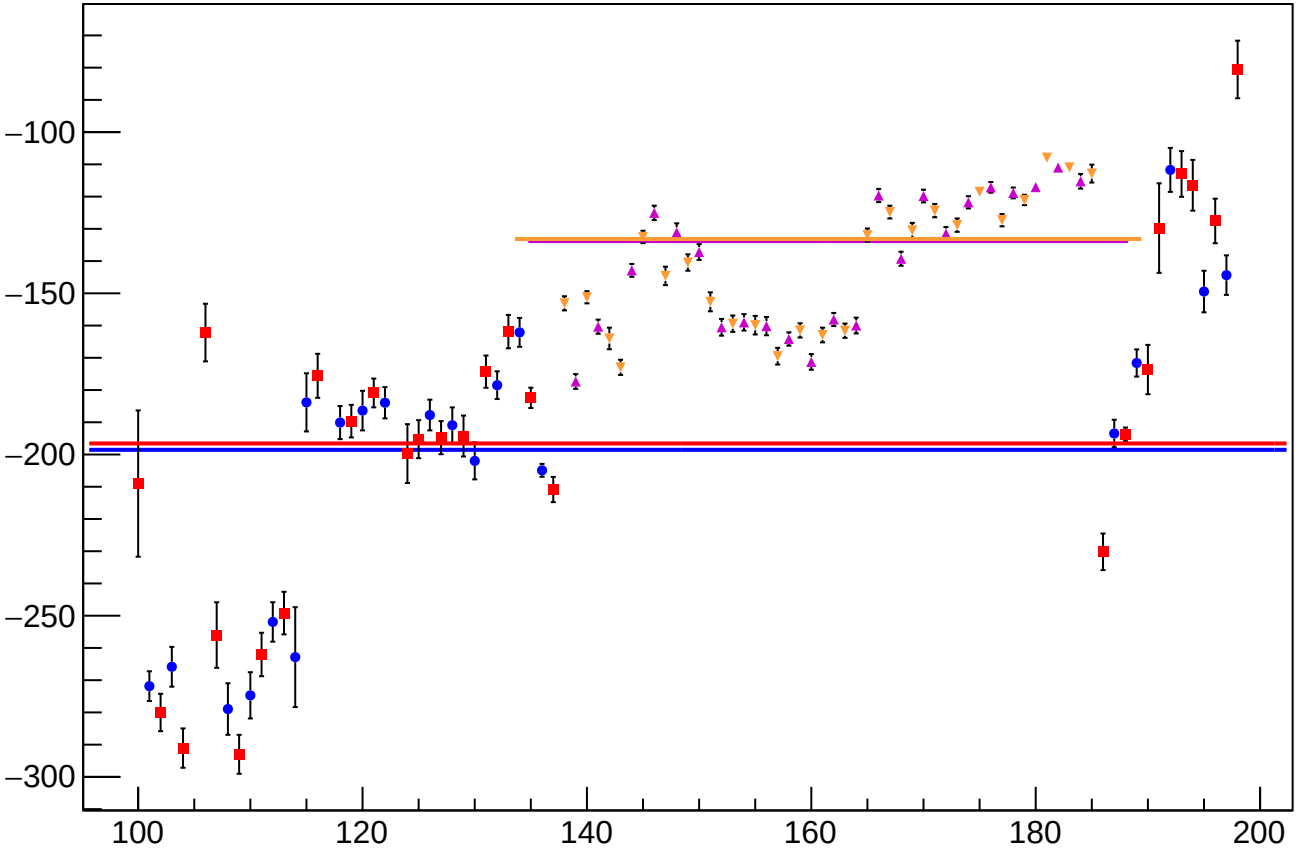
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -30.087+/-0.307 χ^2/NDF: 3290.5/45

All: -30.553+/-0.221 χ^2/NDF: 8085.5/95

- sign -31.056+/-0.319 χ^2/NDF: 4790.2/49

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -198.548+/-1.052 χ^2/NDF: 1143.5/20

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -196.571+/-1.024 χ^2/NDF: 1611.8/26

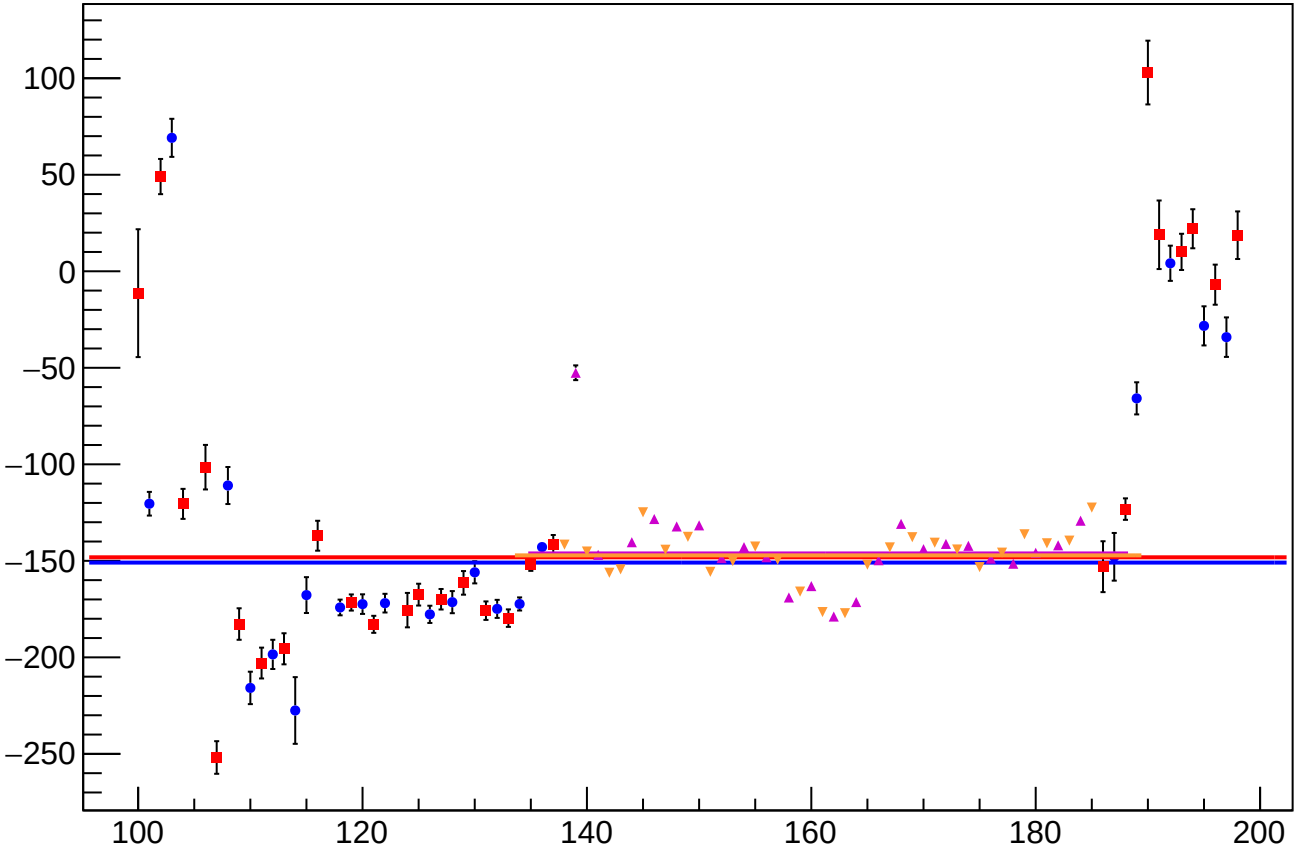
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.519+/-0.376 χ^2/NDF: 7043.3/45

All: -142.100+/-0.269 χ^2/NDF: 14327.5/95

- sign -142.712+/-0.386 χ^2/NDF: 7279.3/49

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -150.907+/-1.180 χ^2/NDF: 1530.1/20

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -148.171+/-1.238 χ^2/NDF: 2263.5/26

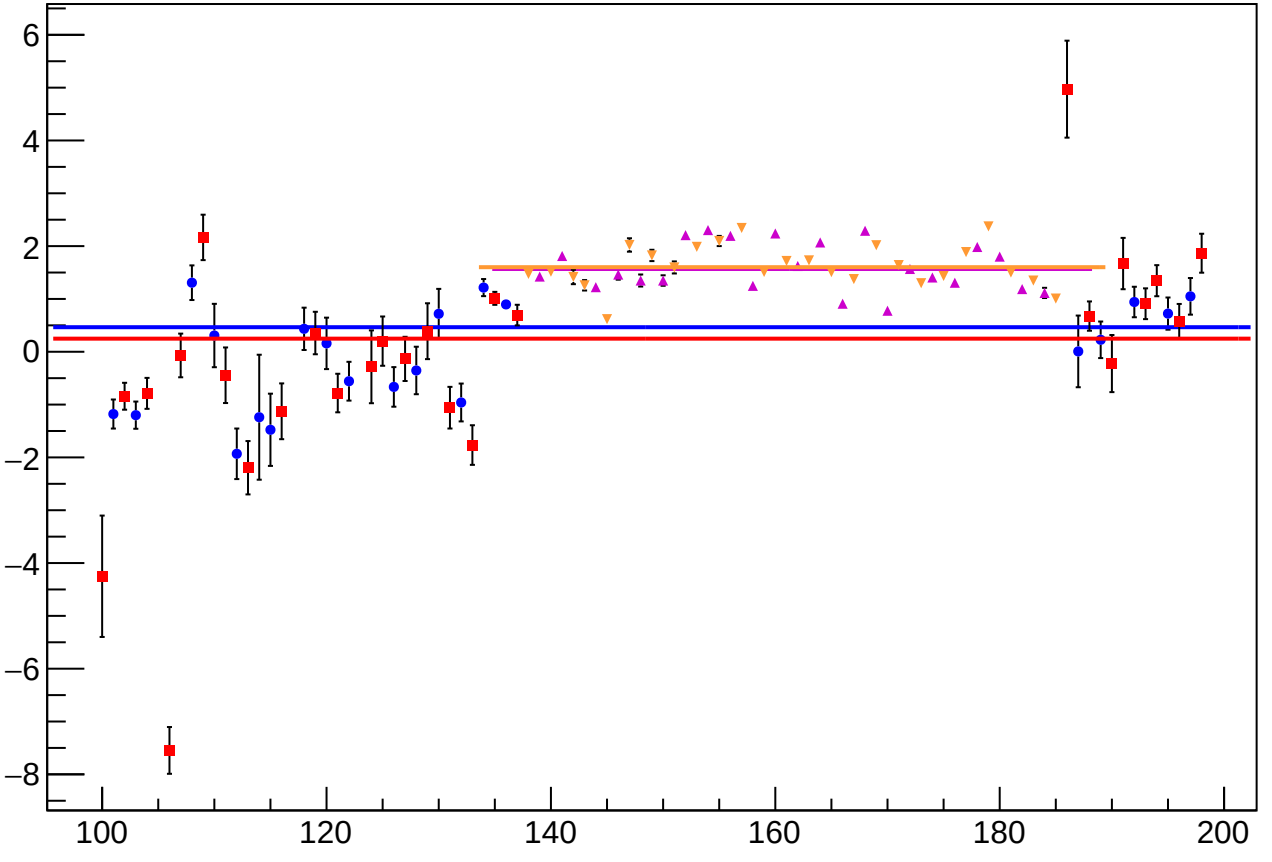
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.482+/-0.343 χ^2/NDF: 2784.9/45

All: -146.930+/-0.247 χ^2/NDF: 6849.9/95

- sign -146.337+/-0.355 χ^2/NDF: 4059.6/49

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.465+/-0.060 χ^2/NDF: 205.3/20

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.248+/-0.063 χ^2/NDF: 579.4/26

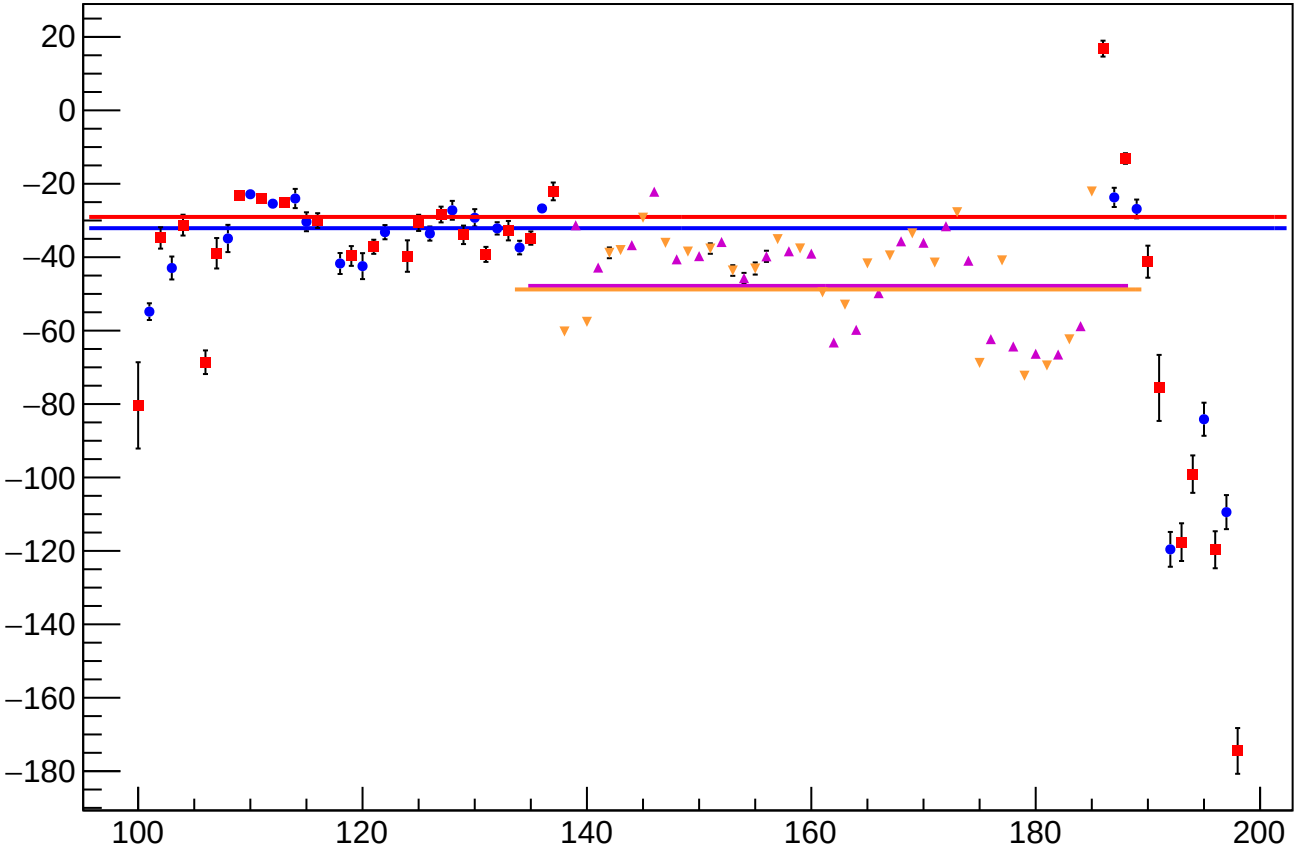
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

\+ sign 1.525+/-0.015 χ^2/NDF: 1123.9/45

All: 1.505+/-0.011 χ^2/NDF: 2854.6/95

\- sign 1.483+/-0.016 χ^2/NDF: 1727.1/49

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -32.095+/-0.447 χ^2/NDF: 1033.7/20

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -29.031+/-0.414 χ^2/NDF: 2289.2/26

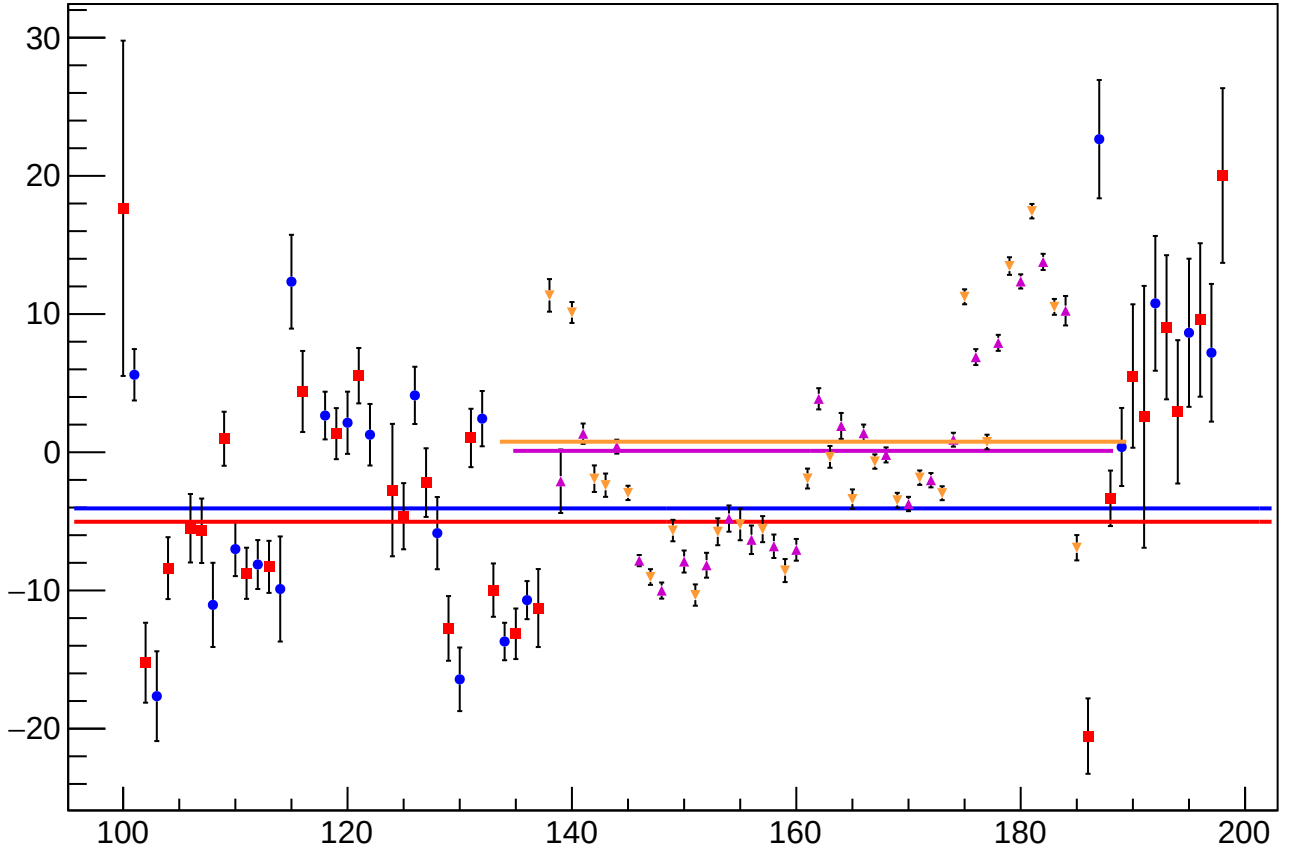
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.743+/-0.156 χ^2/NDF: 11212.0/45

All: -45.933+/-0.111 χ^2/NDF: 22540.2/95

- sign -45.113+/-0.157 χ^2/NDF: 11274.2/49

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.061+/-0.491 χ^2/NDF: 302.0/20

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.029+/-0.487 χ^2/NDF: 206.7/26

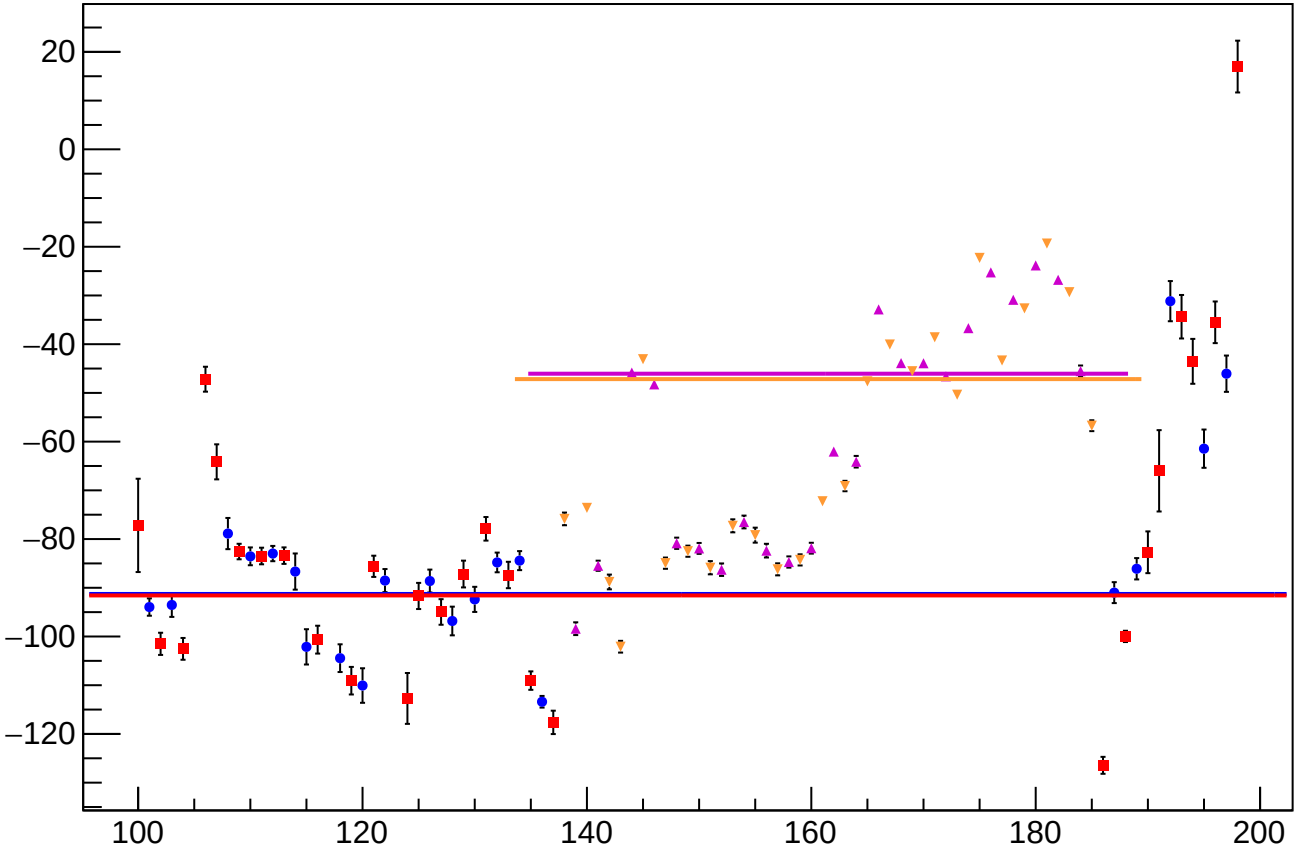
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.439+/-0.128 χ^2/NDF: 3859.3/45

All: 0.094+/-0.090 χ^2/NDF: 6905.6/95

- sign -0.253+/-0.128 χ^2/NDF: 3031.6/49

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -91.271+/-0.495 χ^2/NDF: 917.9/20

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -91.571+/-0.460 χ^2/NDF: 2126.3/26

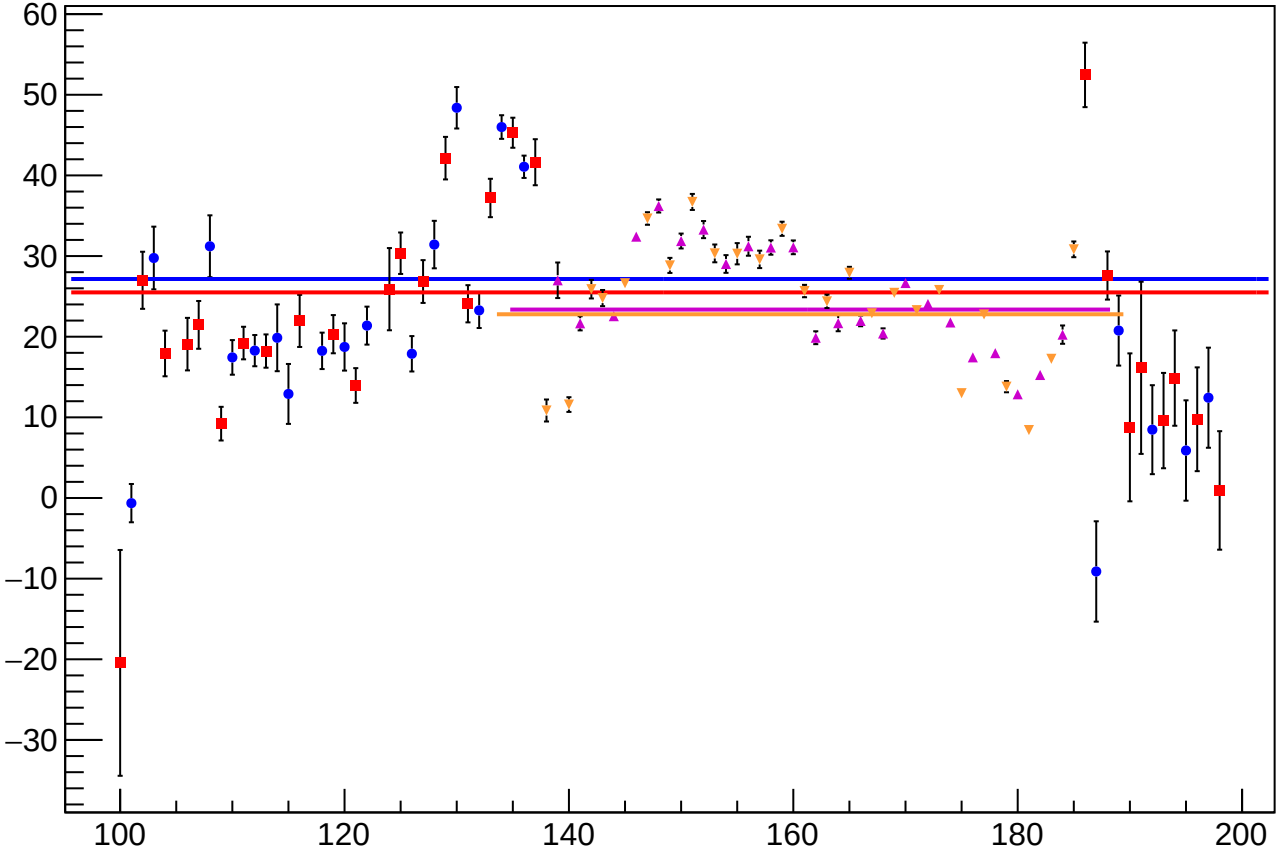
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.707+/-0.159 χ^2/NDF: 25709.7/45

All: -51.621+/-0.113 χ^2/NDF: 51214.2/95

- sign -51.534+/-0.160 χ^2/NDF: 25503.9/49

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 27.155+/-0.554 χ^2/NDF: 650.6/20

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.494+/-0.562 χ^2/NDF: 432.4/26

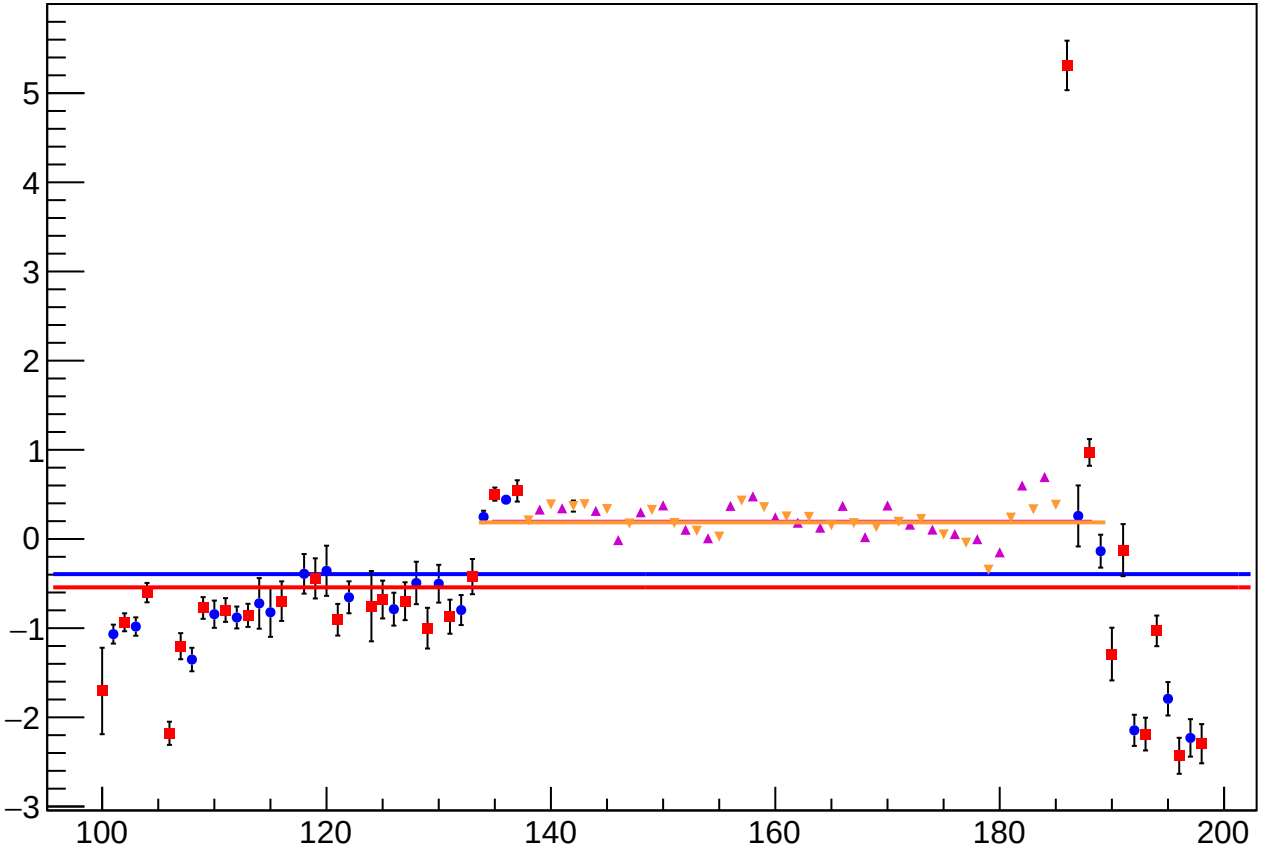
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.070+/-0.142 χ^2/NDF: 3121.7/45

All: 23.285+/-0.101 χ^2/NDF: 5357.4/95

- sign 23.505+/-0.144 χ^2/NDF: 2231.1/49

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.394+/-0.029 χ^2/NDF: 708.7/20

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.542+/-0.030 χ^2/NDF: 1304.9/26

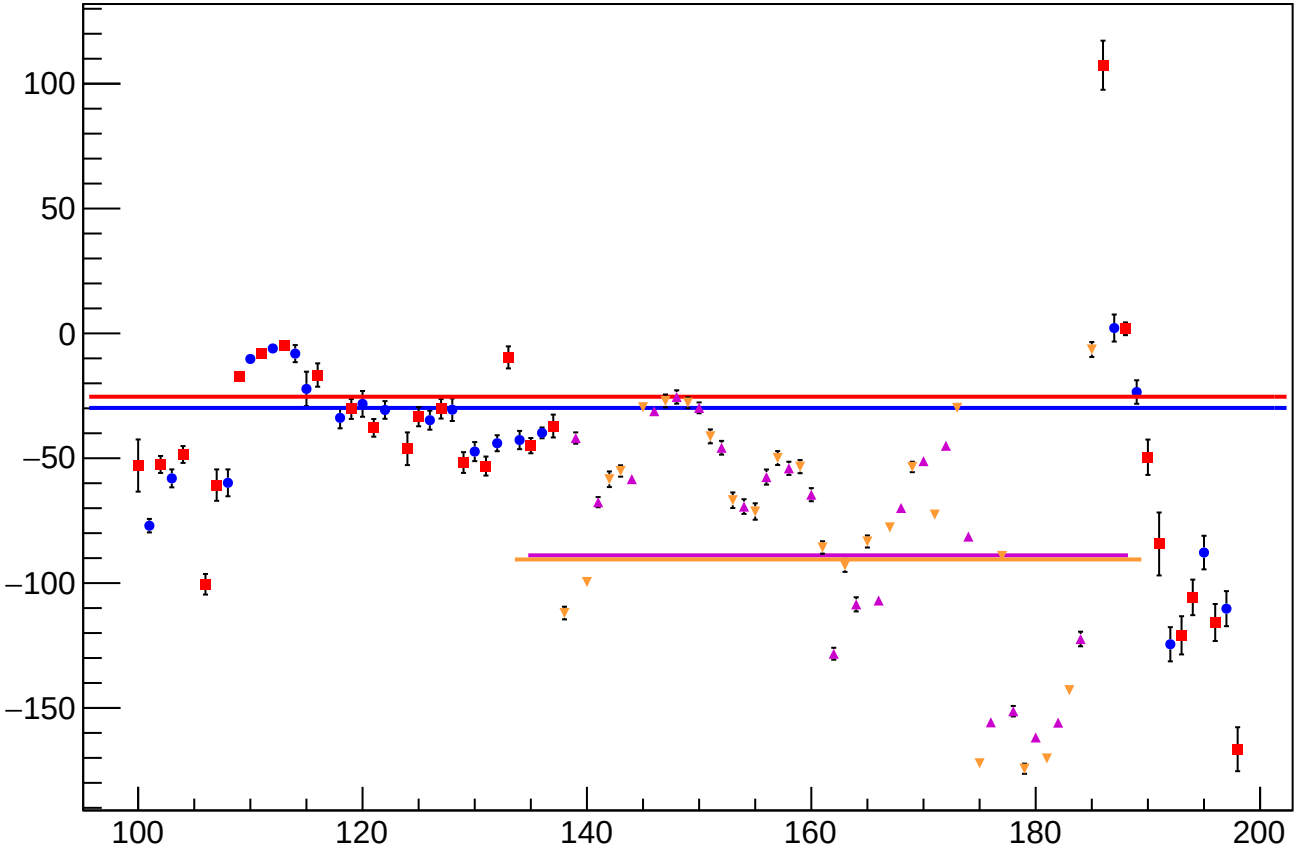
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.158+/-0.006 χ^2/NDF: 1734.6/45

All: 0.158+/-0.005 χ^2/NDF: 4552.8/95

- sign 0.158+/-0.007 χ^2/NDF: 2818.3/49

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -29.847+/-0.702 χ^2/NDF: 1334.1/20

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -25.358+/-0.628 χ^2/NDF: 2010.2/26

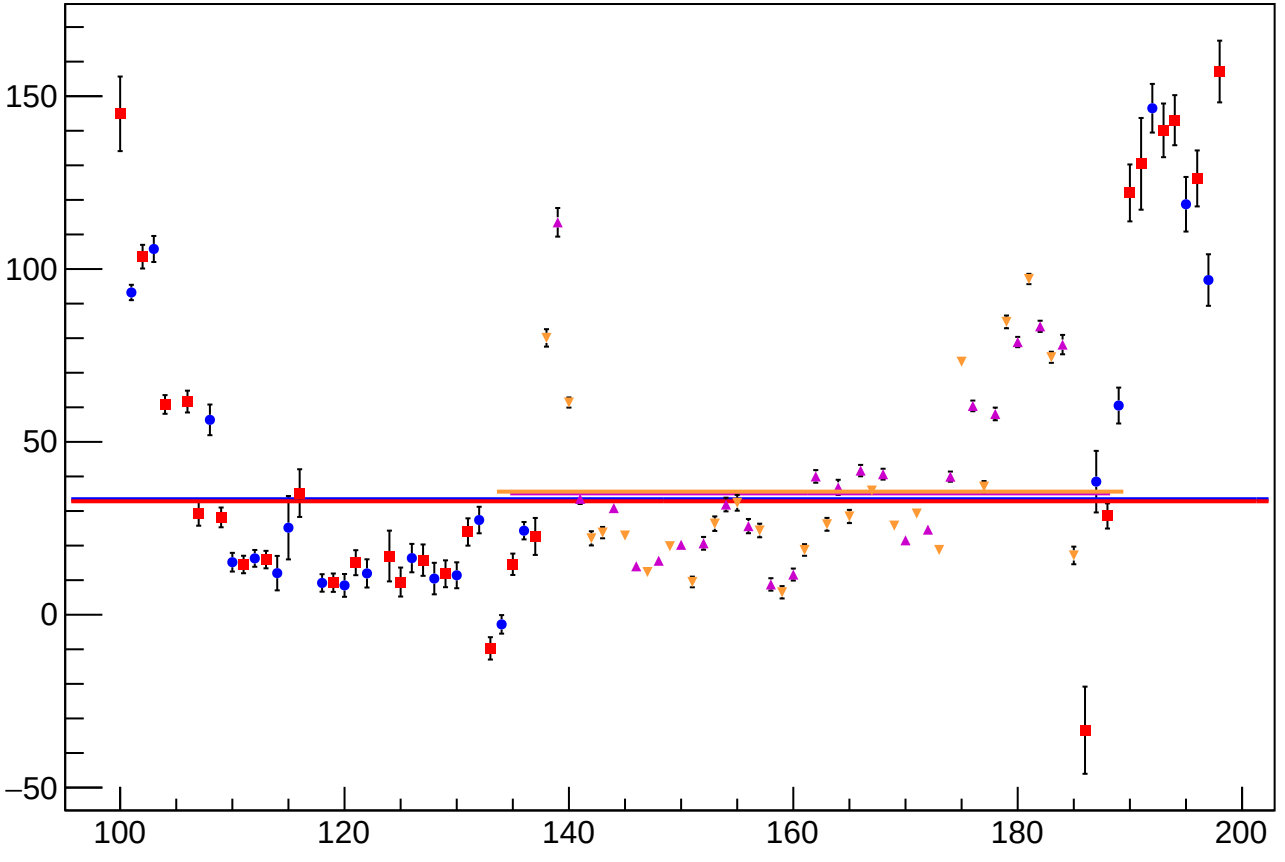
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.449+/-0.361 χ^2/NDF: 22192.8/45

All: -71.357+/-0.254 χ^2/NDF: 43081.6/95

- sign -68.330+/-0.357 χ^2/NDF: 20743.8/49

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 33.412+/-0.781 χ^2/NDF: 2162.7/20

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 32.818+/-0.758 χ^2/NDF: 2175.9/26

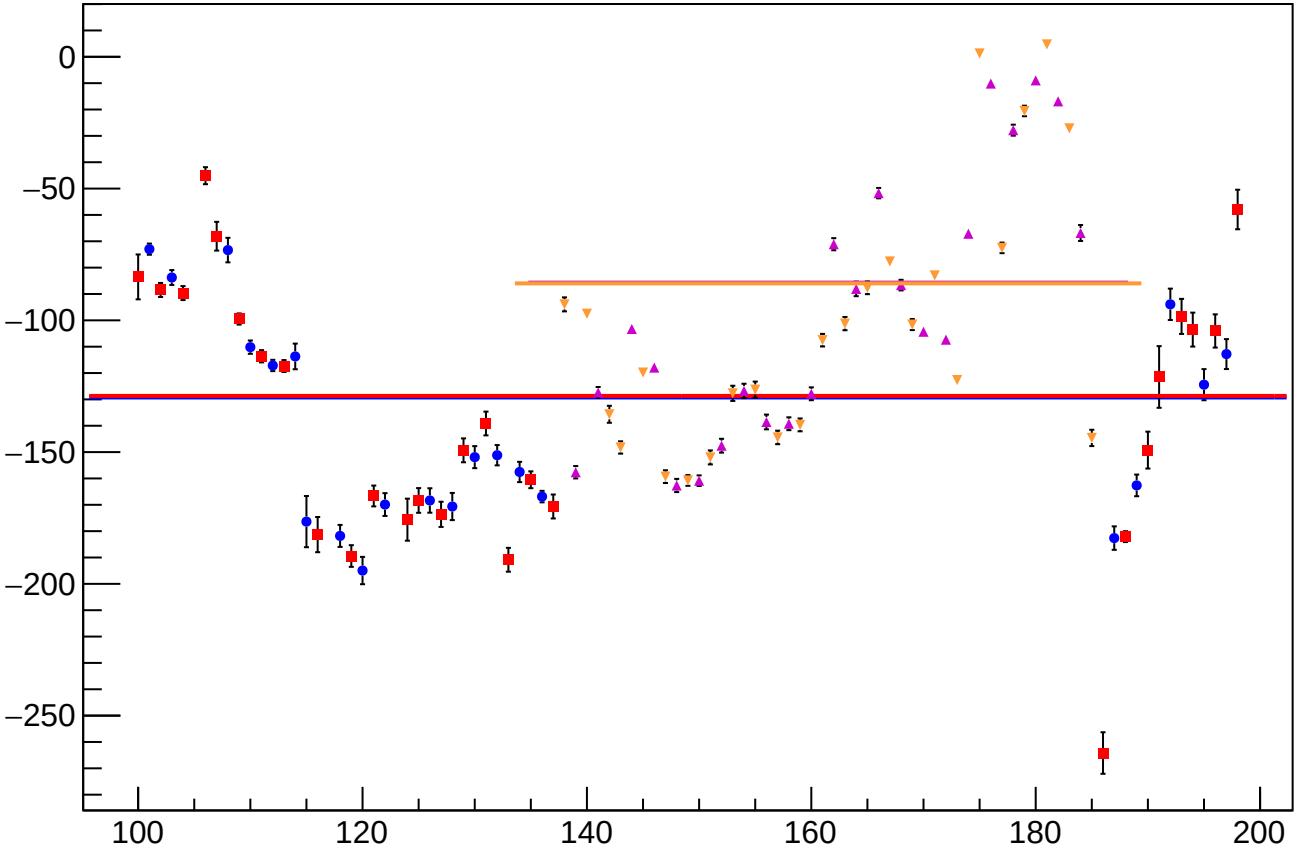
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.286+/-0.301 χ^2/NDF: 8142.5/45

All: 35.016+/-0.215 χ^2/NDF: 14472.1/95

- sign 34.734+/-0.307 χ^2/NDF: 6327.9/49

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -129.266+/-0.778 χ^2/NDF: 2438.2/20

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.679+/-0.718 χ^2/NDF: 3602.8/26

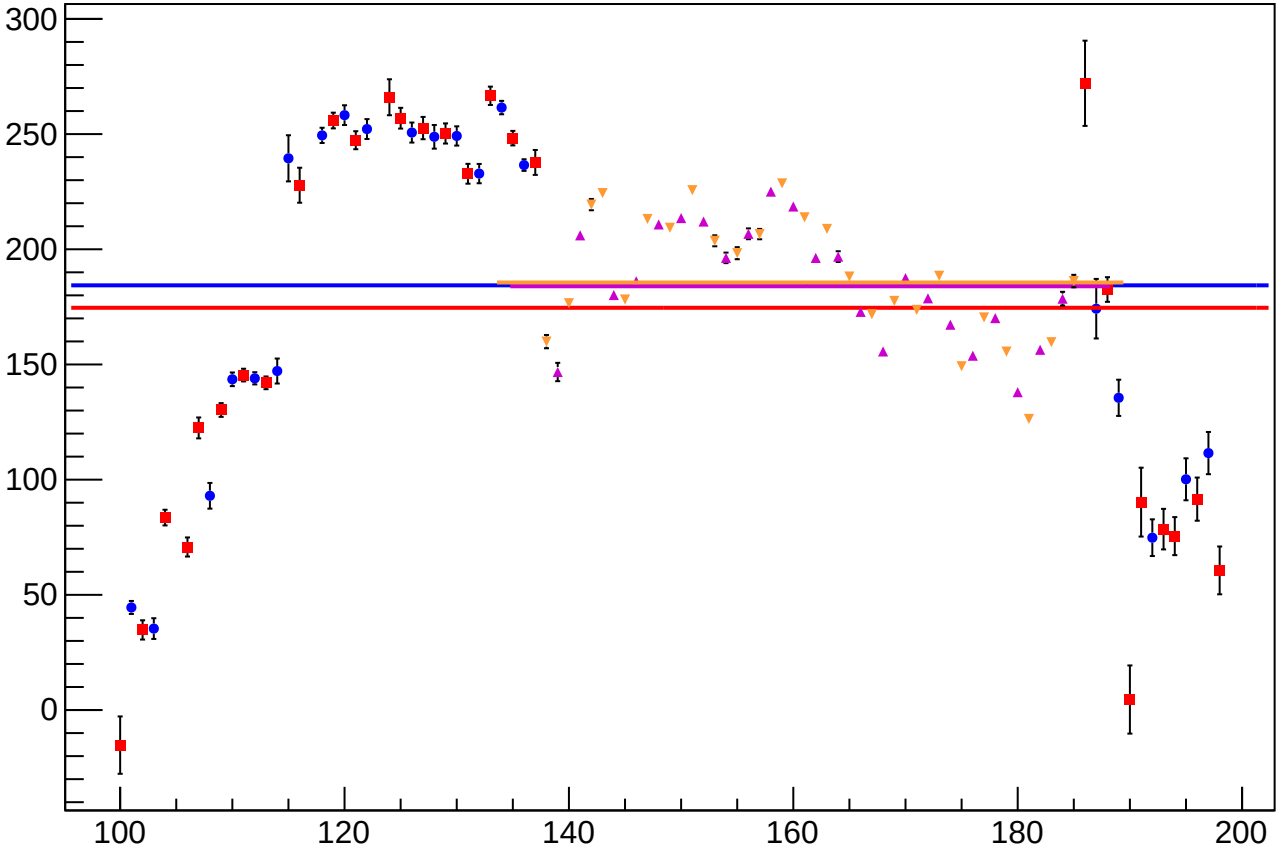
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.765+/-0.370 χ^2/NDF: 21065.7/45

All: -96.455+/-0.262 χ^2/NDF: 41063.2/95

- sign -97.147+/-0.370 χ^2/NDF: 19990.5/49

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 184.349+/-0.895 χ^2/NDF: 7512.2/20

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 174.607+/-0.874 χ^2/NDF: 7348.3/26

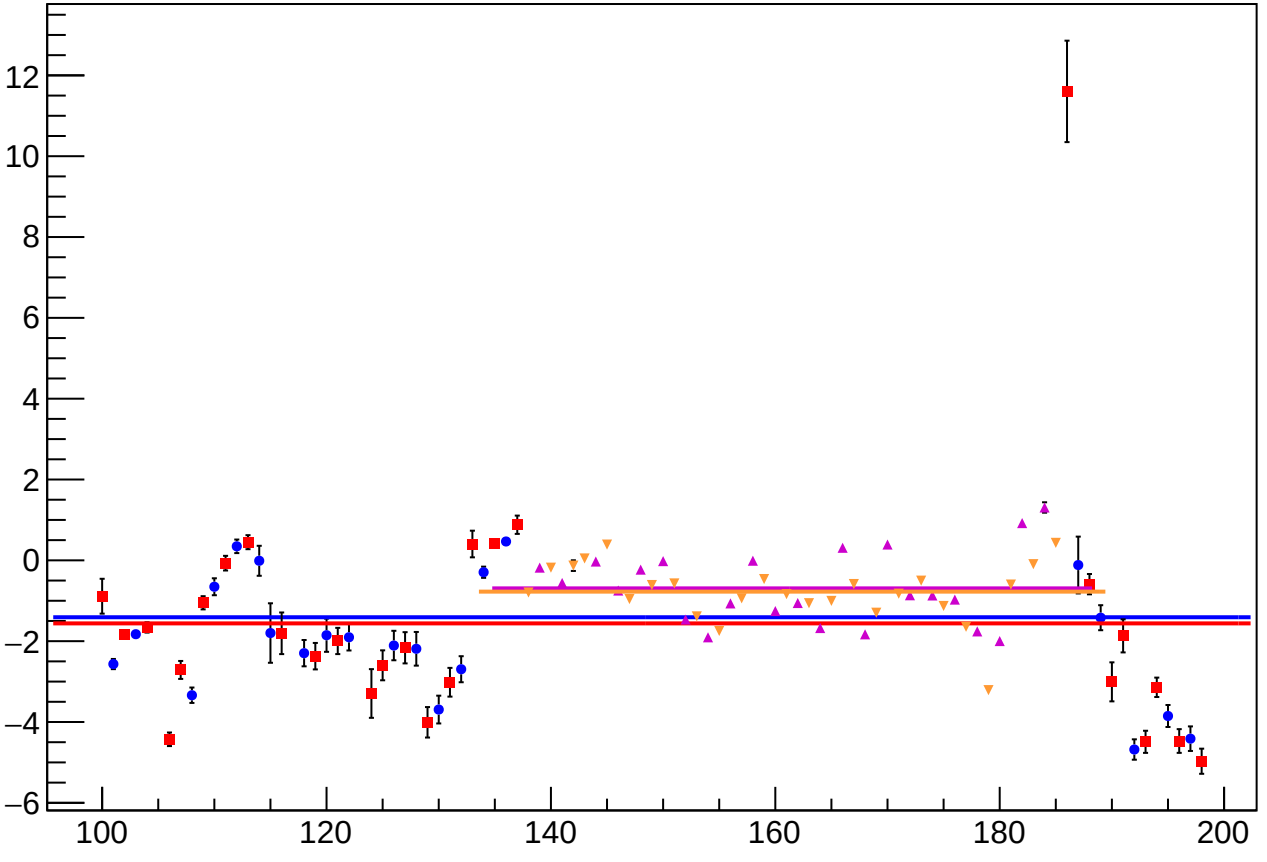
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.406+/-0.339 χ^2/NDF: 12868.6/45

All: 183.971+/-0.243 χ^2/NDF: 24222.9/95

- sign 182.473+/-0.347 χ^2/NDF: 11317.8/49

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.408+/-0.045 χ^2/NDF: 1167.9/20

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.560+/-0.044 χ^2/NDF: 1541.8/26

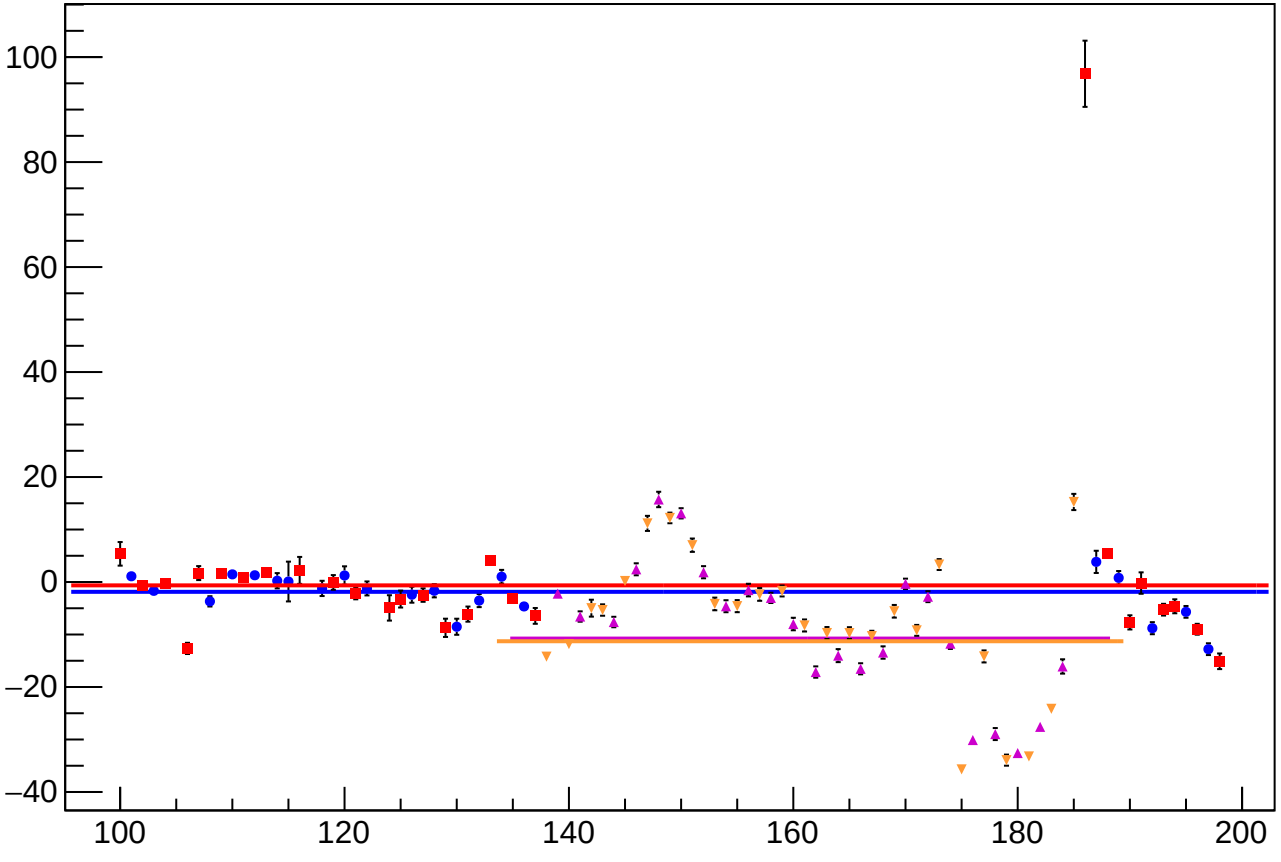
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.848+/-0.015 χ^2/NDF: 3163.5/45

All: -0.827+/-0.011 χ^2/NDF: 7616.9/95

- sign -0.805+/-0.016 χ^2/NDF: 4449.6/49

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.869+/-0.231 χ^2/NDF: 270.0/20

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.638+/-0.195 χ^2/NDF: 833.2/26

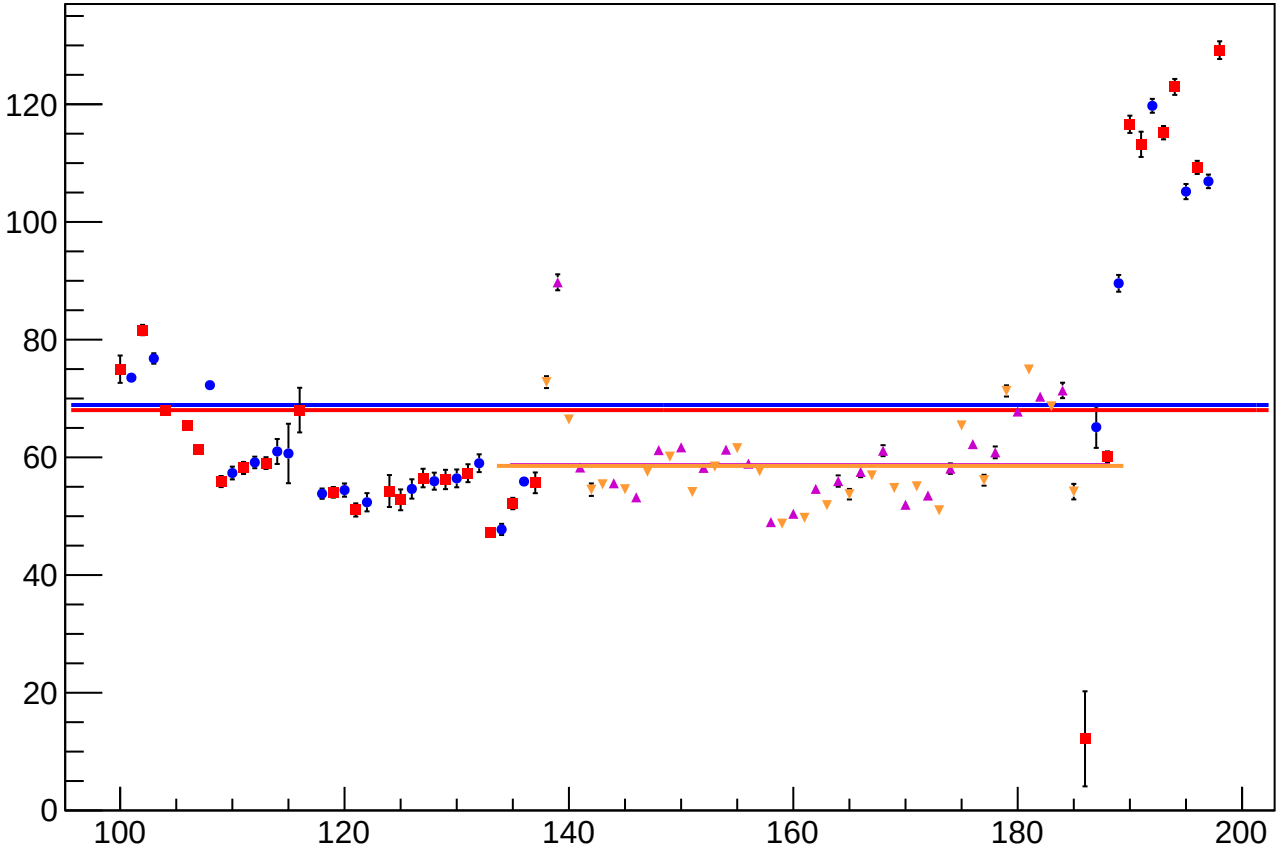
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -7.066+/-0.155 χ^2/NDF: 5688.2/45

All: -6.102+/-0.105 χ^2/NDF: 11520.7/95

- sign -5.264+/-0.144 χ^2/NDF: 5759.8/49

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 68.899+/-0.244 χ^2/NDF: 5898.7/20

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 68.027+/-0.217 χ^2/NDF: 10746.4/26

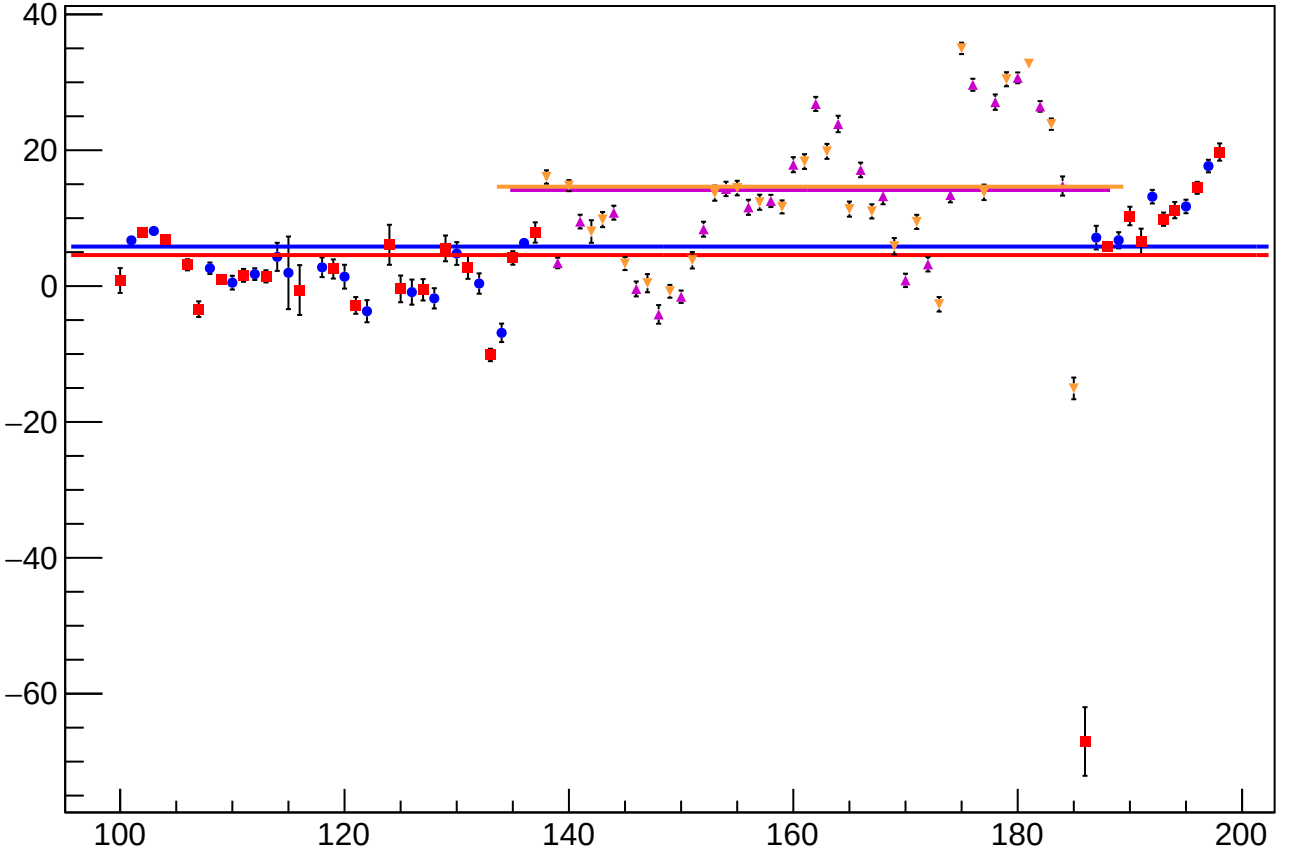
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 61.699+/-0.134 χ^2/NDF: 9056.0/45

All: 61.948+/-0.095 χ^2/NDF: 22580.8/95

- sign 62.191+/-0.133 χ^2/NDF: 13518.1/49

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 5.817+/-0.233 χ^2/NDF: 519.4/20

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 4.565+/-0.200 χ^2/NDF: 1013.9/26

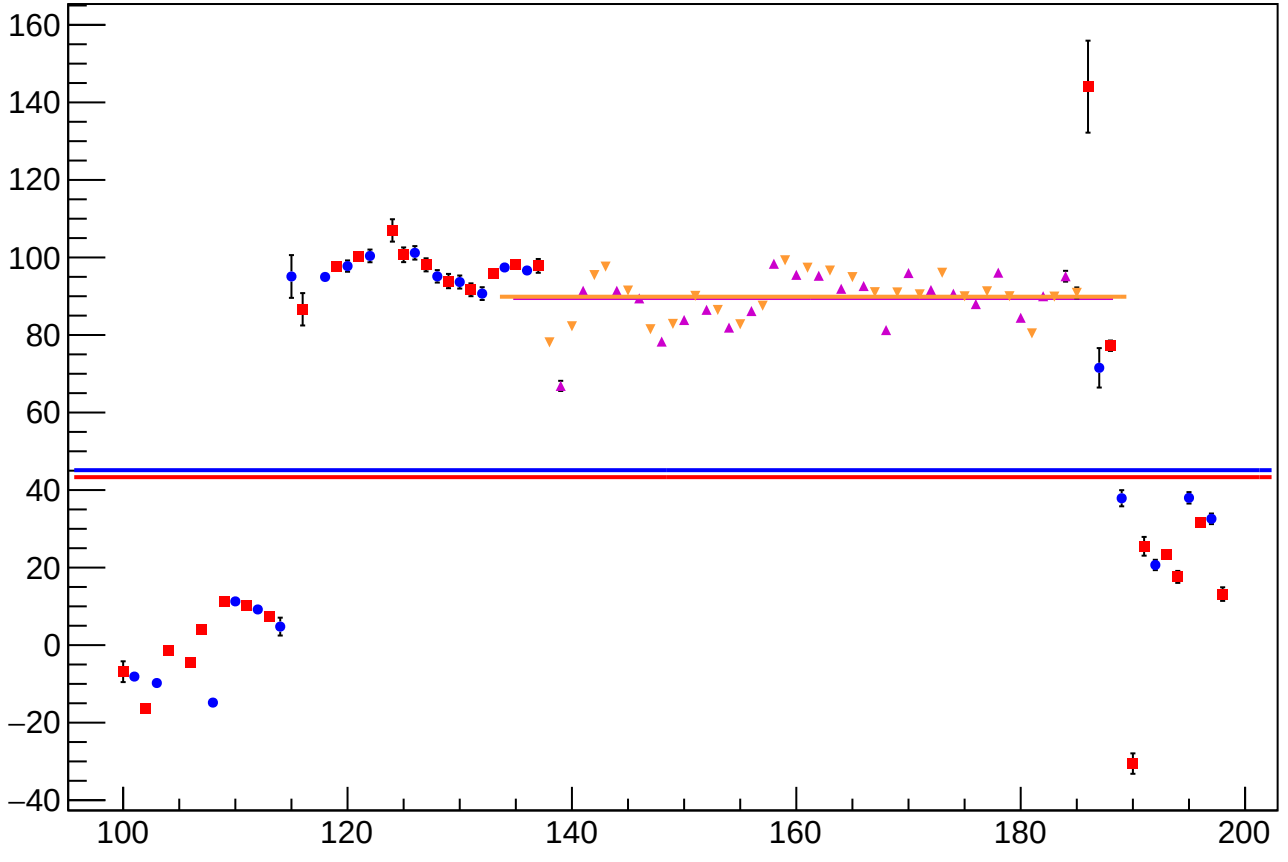
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.750+/-0.155 χ^2/NDF: 4283.0/45

All: 9.873+/-0.106 χ^2/NDF: 8982.3/95

- sign 9.098+/-0.145 χ^2/NDF: 4638.6/49

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 45.131+/-0.284 χ^2/NDF: 27425.7/20

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 43.329+/-0.257 χ^2/NDF: 31434.5/26

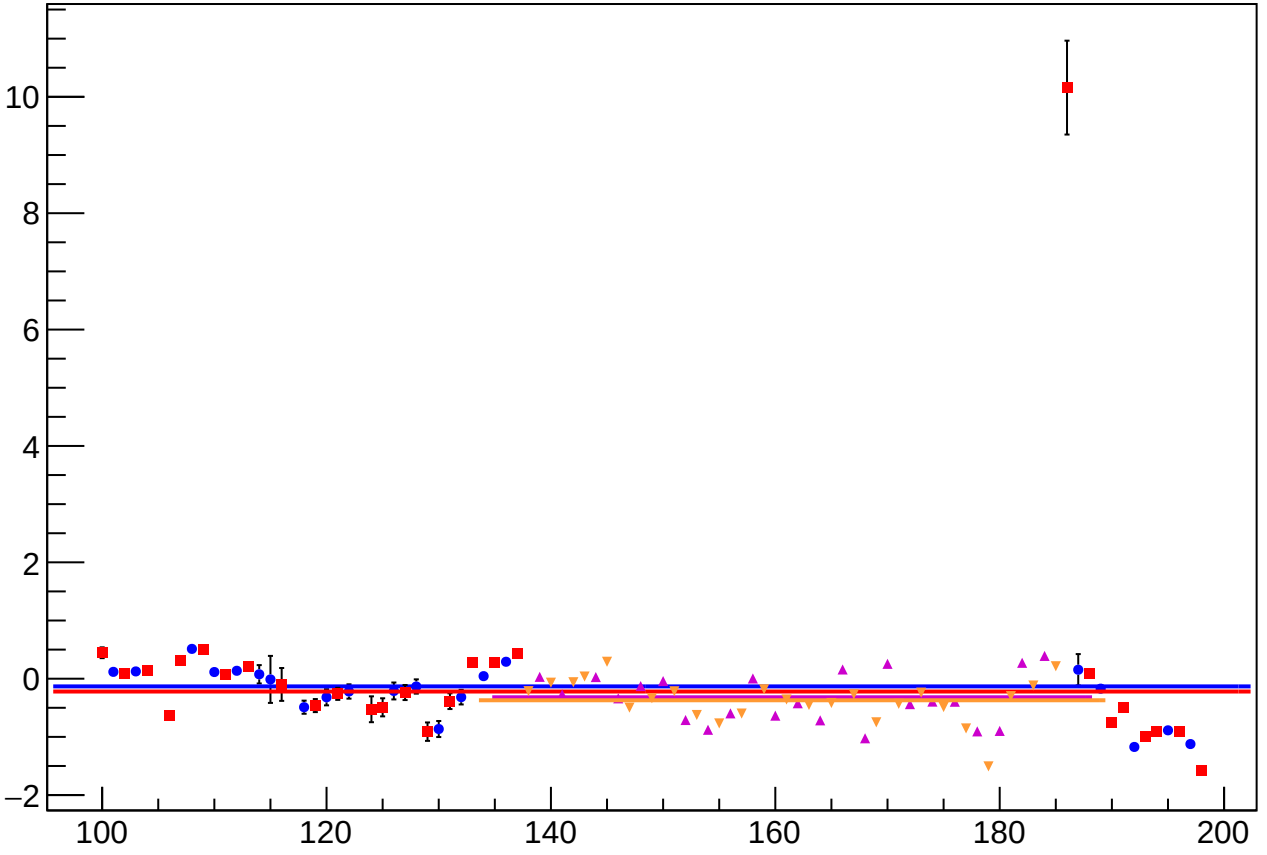
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 76.975+/-0.153 χ^2/NDF: 46104.9/45

All: 75.198+/-0.108 χ^2/NDF: 100045.3/95

- sign 73.451+/-0.151 χ^2/NDF: 53671.9/49

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.132+/-0.012 χ^2/NDF: 2169.7/20

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.220+/-0.011 χ^2/NDF: 2968.2/26

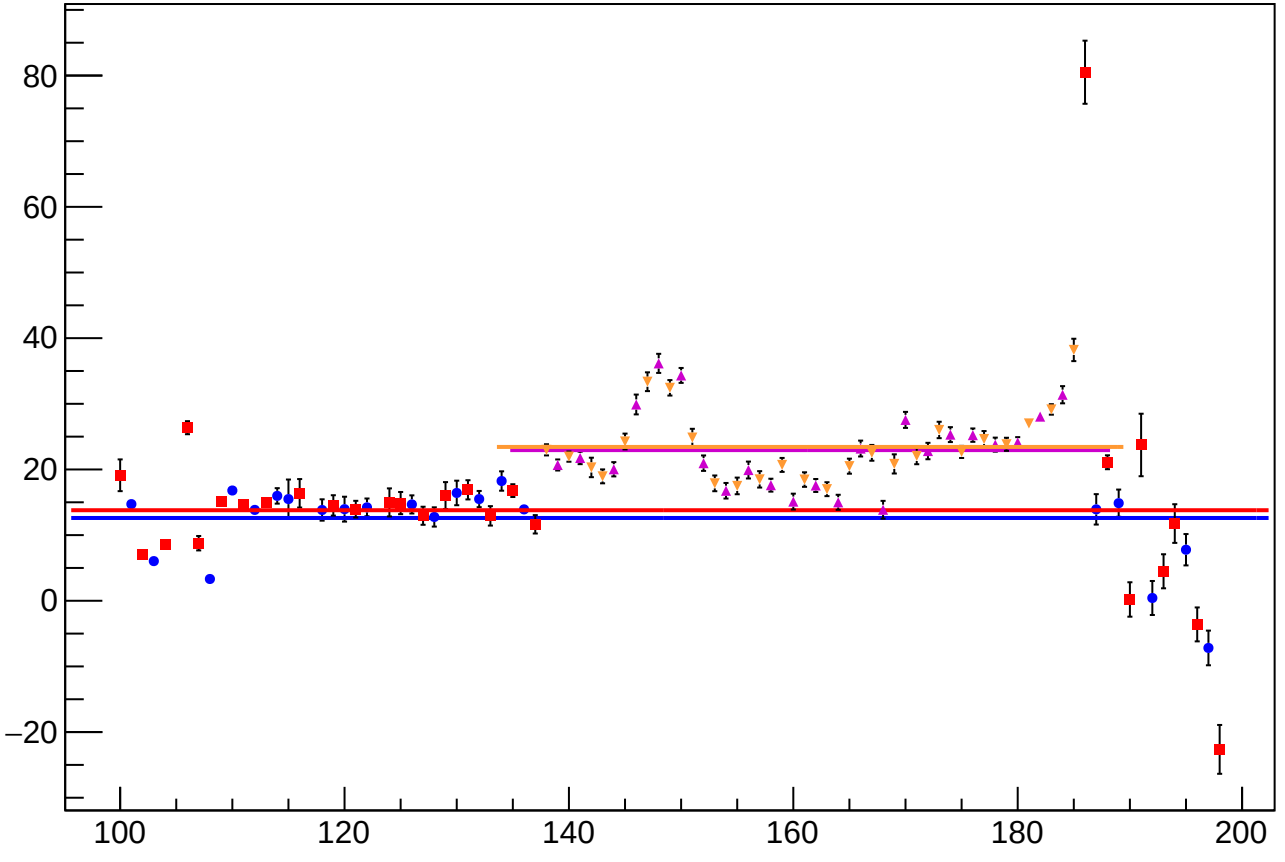
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.298+/-0.007 χ^2/NDF: 4208.8/45

All: -0.291+/-0.005 χ^2/NDF: 9672.8/95

- sign -0.284+/-0.007 χ^2/NDF: 5462.0/49

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.610+/-0.210 χ^2/NDF: 473.0/20

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.792+/-0.198 χ^2/NDF: 830.1/26

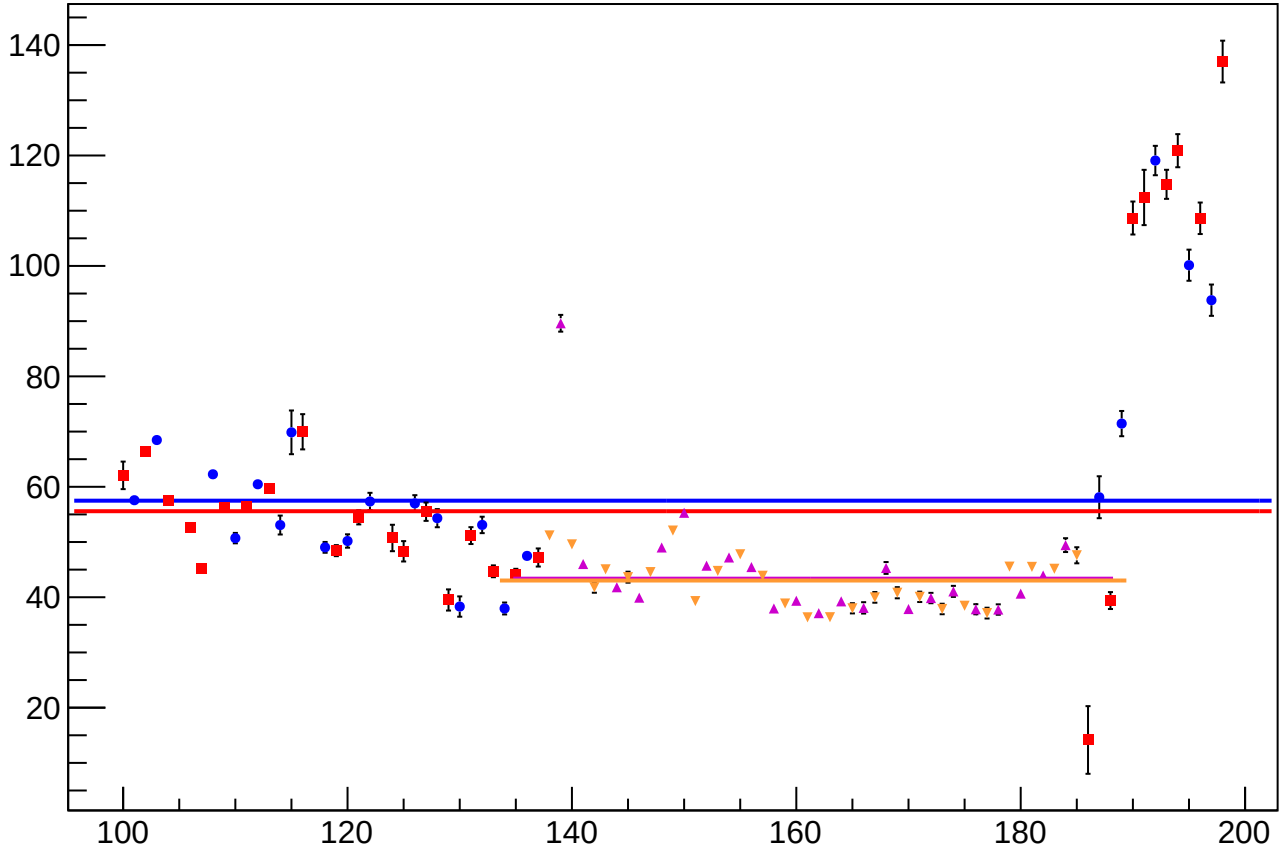
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.868+/-0.150 χ^2/NDF: 2192.9/45

All: 17.819+/-0.106 χ^2/NDF: 4521.8/95

- sign 17.772+/-0.149 χ^2/NDF: 2328.6/49

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 57.487+/-0.218 χ^2/NDF: 2076.6/20

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 55.580+/-0.219 χ^2/NDF: 3438.5/26

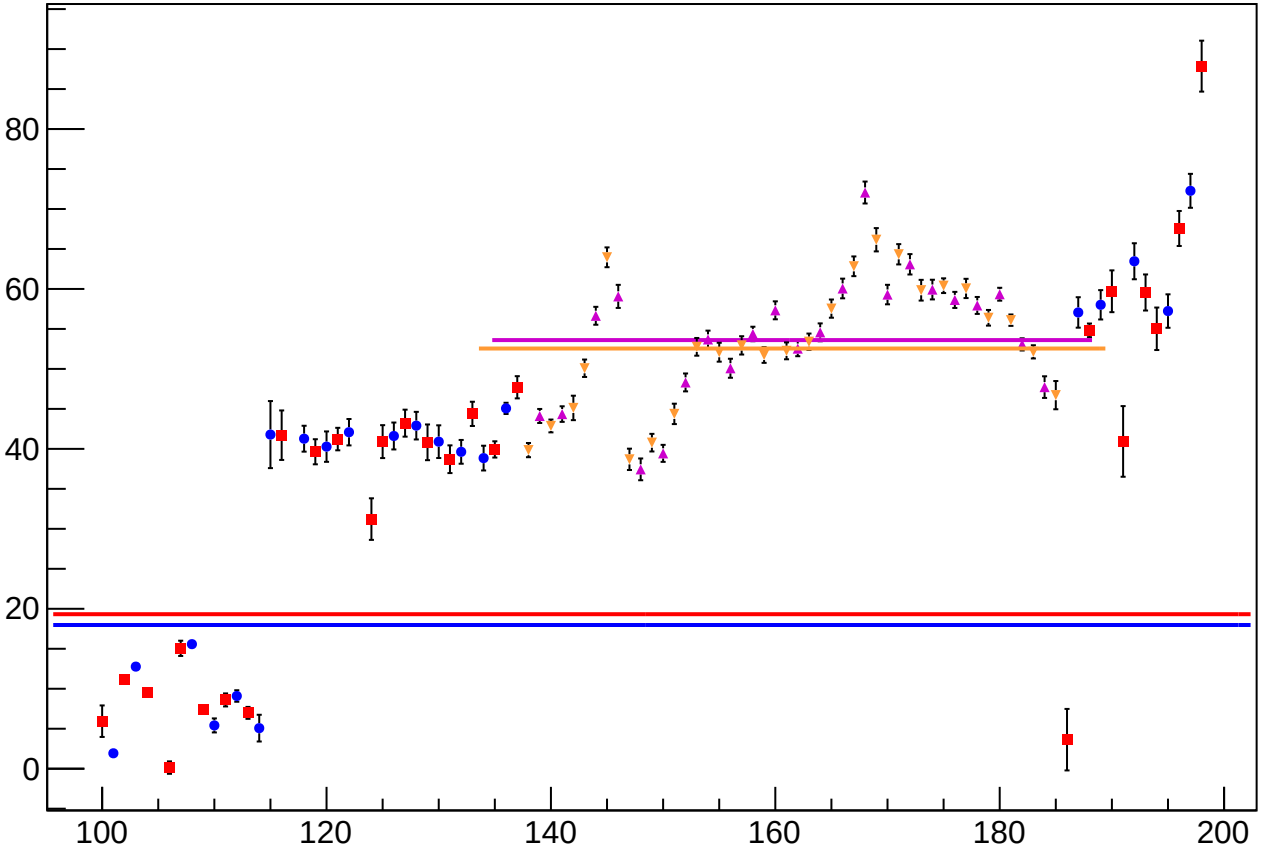
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.377+/-0.133 χ^2/NDF: 5619.9/45

All: 48.290+/-0.096 χ^2/NDF: 12627.1/95

- sign 48.196+/-0.138 χ^2/NDF: 7006.3/49

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 17.973+/-0.208 χ^2/NDF: 7615.5/20

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 19.323+/-0.208 χ^2/NDF: 7667.3/26

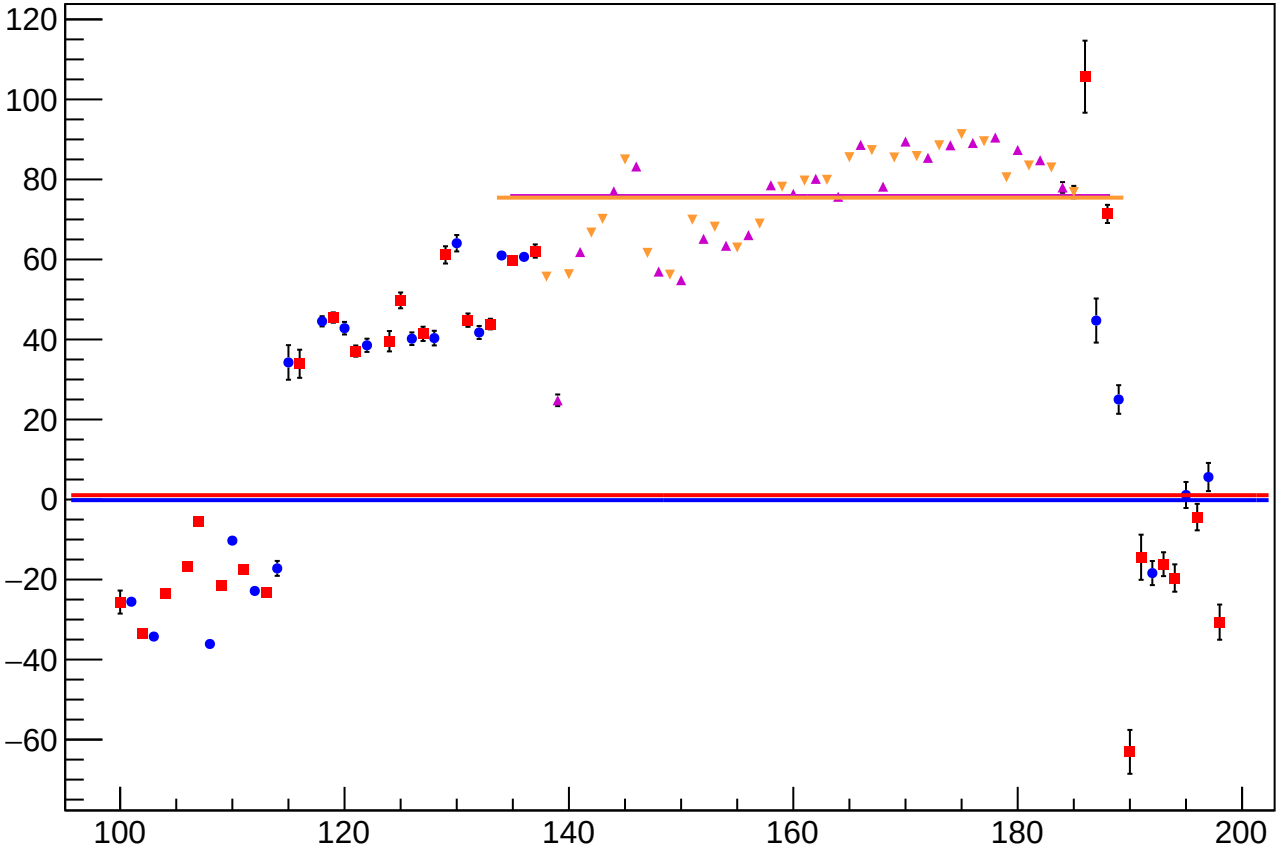
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.744+/-0.149 χ^2/NDF: 22173.1/45

All: 35.009+/-0.107 χ^2/NDF: 43504.6/95

- sign 35.283+/-0.152 χ^2/NDF: 21325.1/49

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.158+/-0.258 χ^2/NDF: 21186.5/20

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.081+/-0.258 χ^2/NDF: 17393.6/26

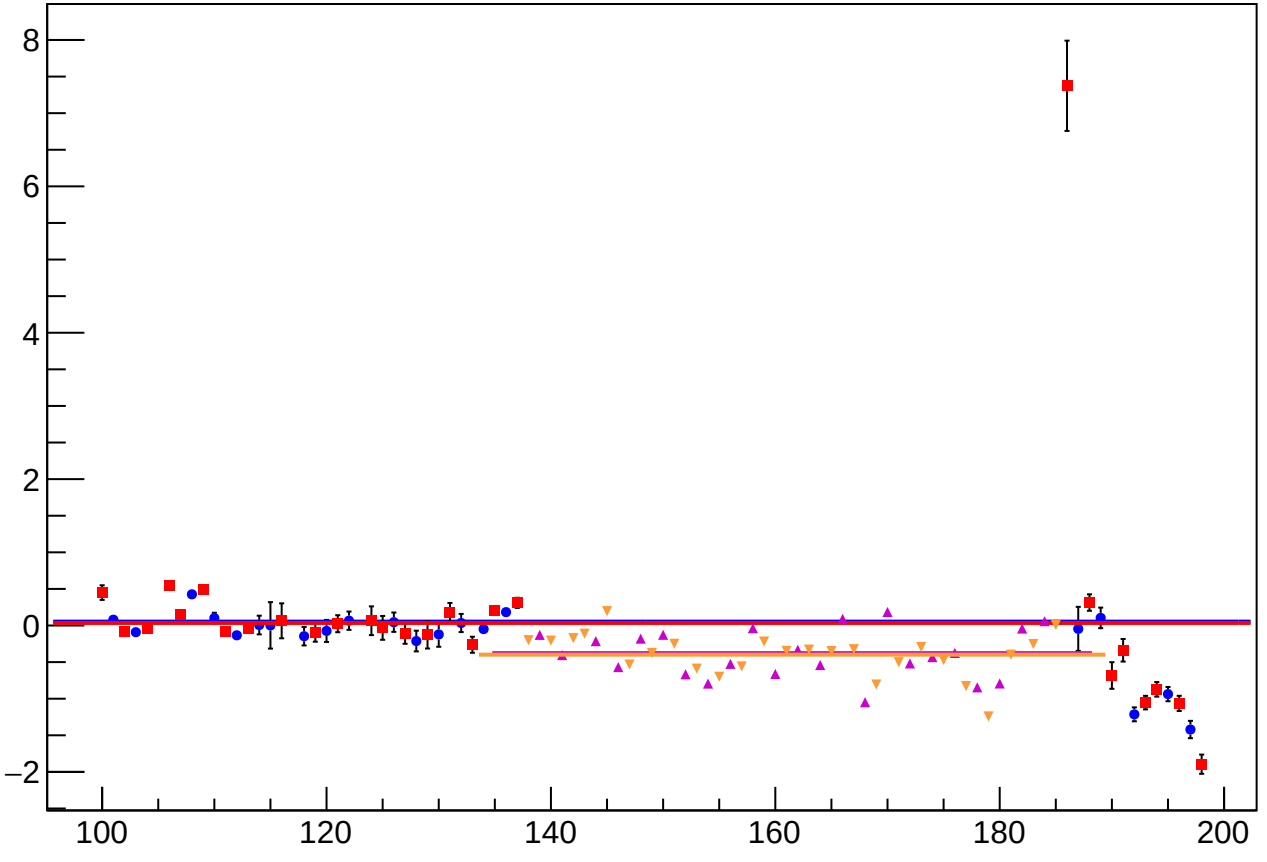
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.154+/-0.152 χ^2/NDF: 80698.0/45

All: 48.734+/-0.109 χ^2/NDF: 155320.7/95

- sign 48.287+/-0.157 χ^2/NDF: 74607.0/49

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.053+/-0.011 χ^2/NDF: 749.8/20

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.035+/-0.011 χ^2/NDF: 1142.3/26

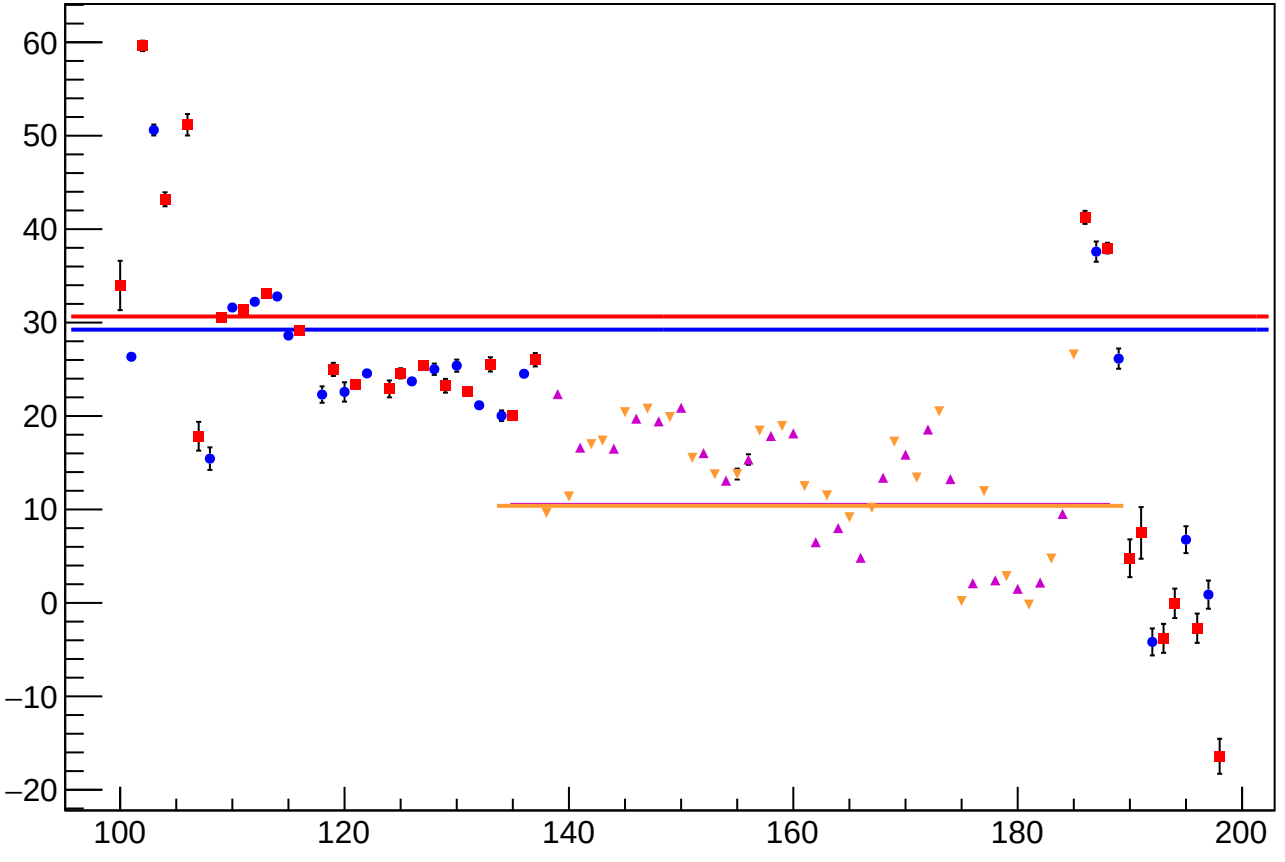
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.231+/-0.007 χ^2/NDF: 2846.5/45

All: -0.227+/-0.005 χ^2/NDF: 6212.1/95

- sign -0.222+/-0.007 χ^2/NDF: 3364.6/49

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.247+/-0.091 χ^2/NDF: 4582.8/20

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.652+/-0.078 χ^2/NDF: 7667.4/26

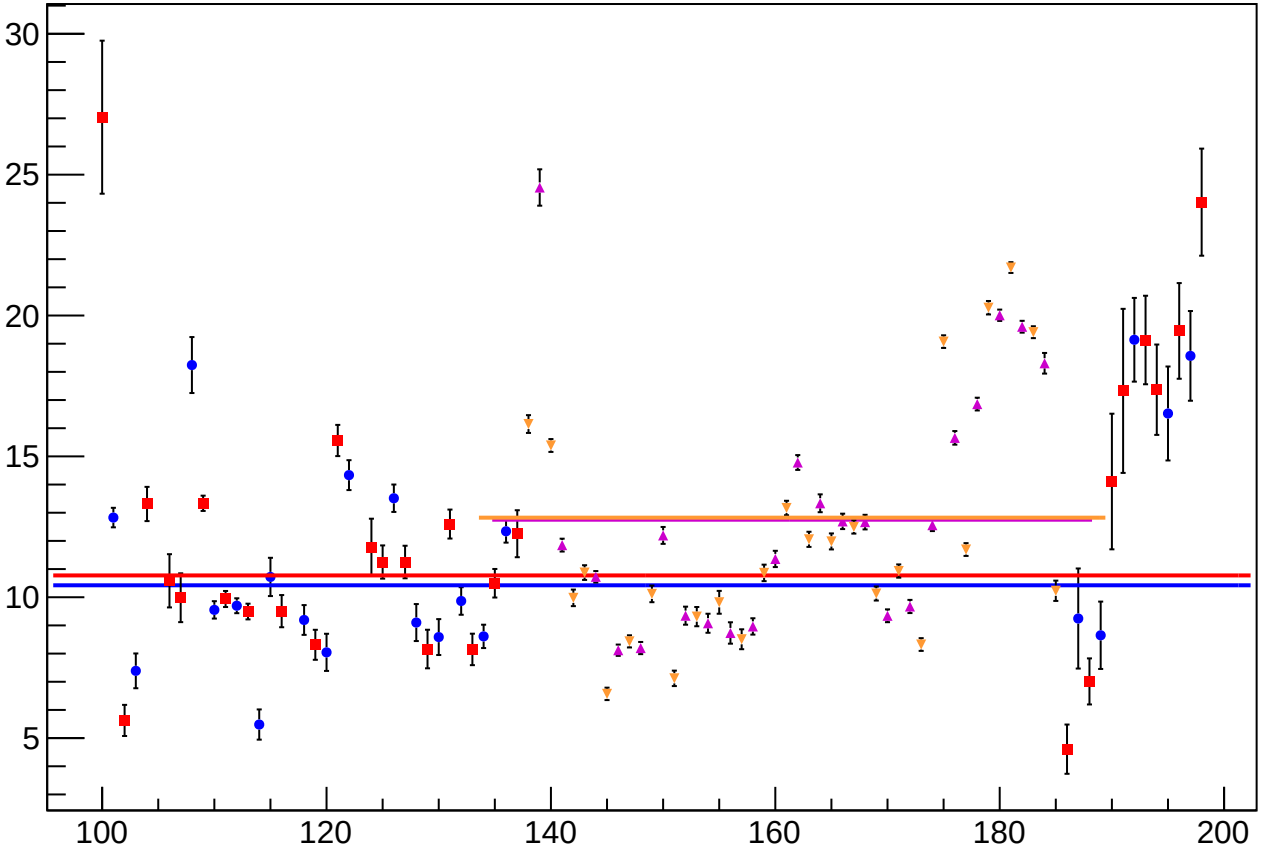
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.668+/-0.052 χ^2/NDF: 47163.9/45

All: 17.851+/-0.036 χ^2/NDF: 105648.6/95

- sign 18.966+/-0.051 χ^2/NDF: 57493.3/49

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.424+/-0.112 χ^2/NDF: 480.0/20

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.775+/-0.110 χ^2/NDF: 613.6/26

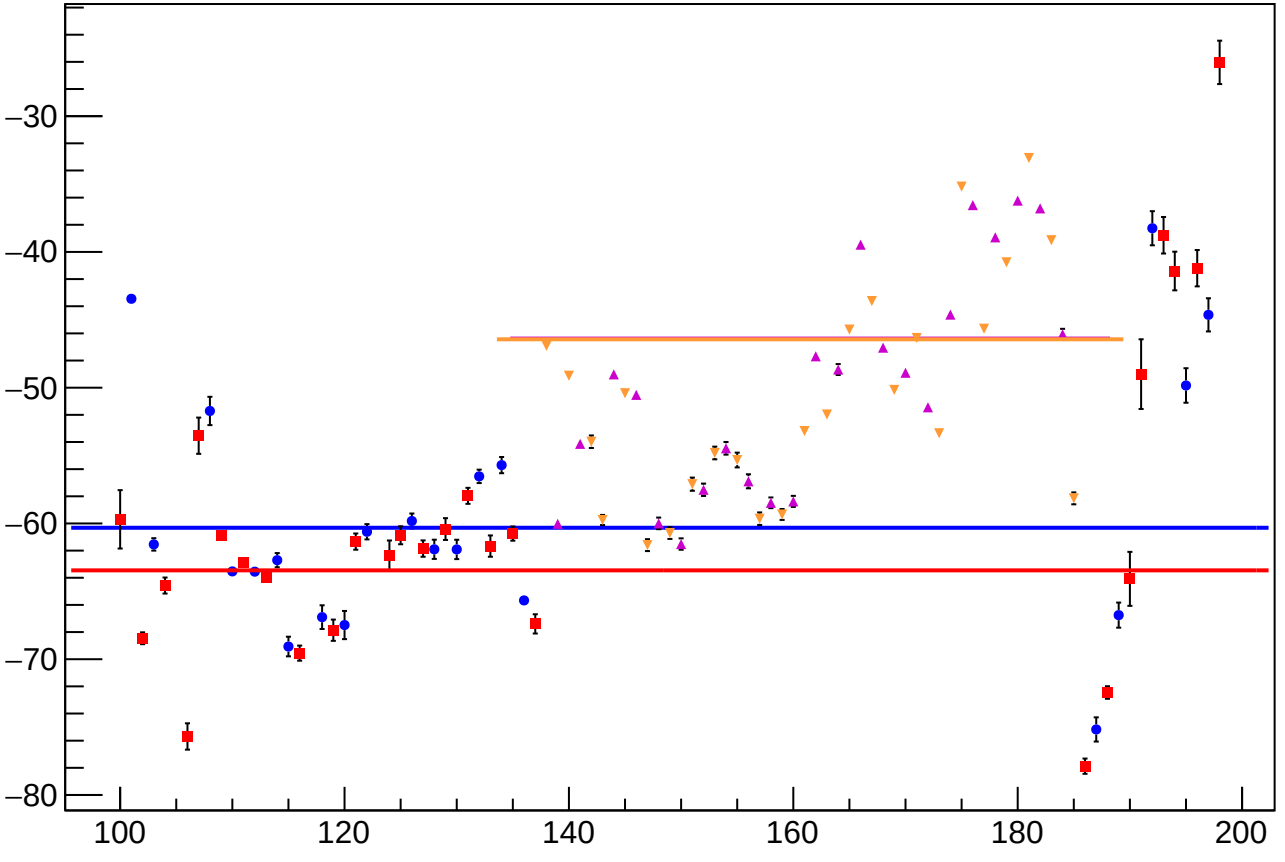
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.414+/-0.046 χ^2/NDF: 8874.8/45

All: 12.397+/-0.033 χ^2/NDF: 15254.6/95

- sign 12.379+/-0.048 χ^2/NDF: 6379.5/49

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.317+/-0.110 χ^2/NDF: 4464.8/20

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.455+/-0.101 χ^2/NDF: 3328.7/26

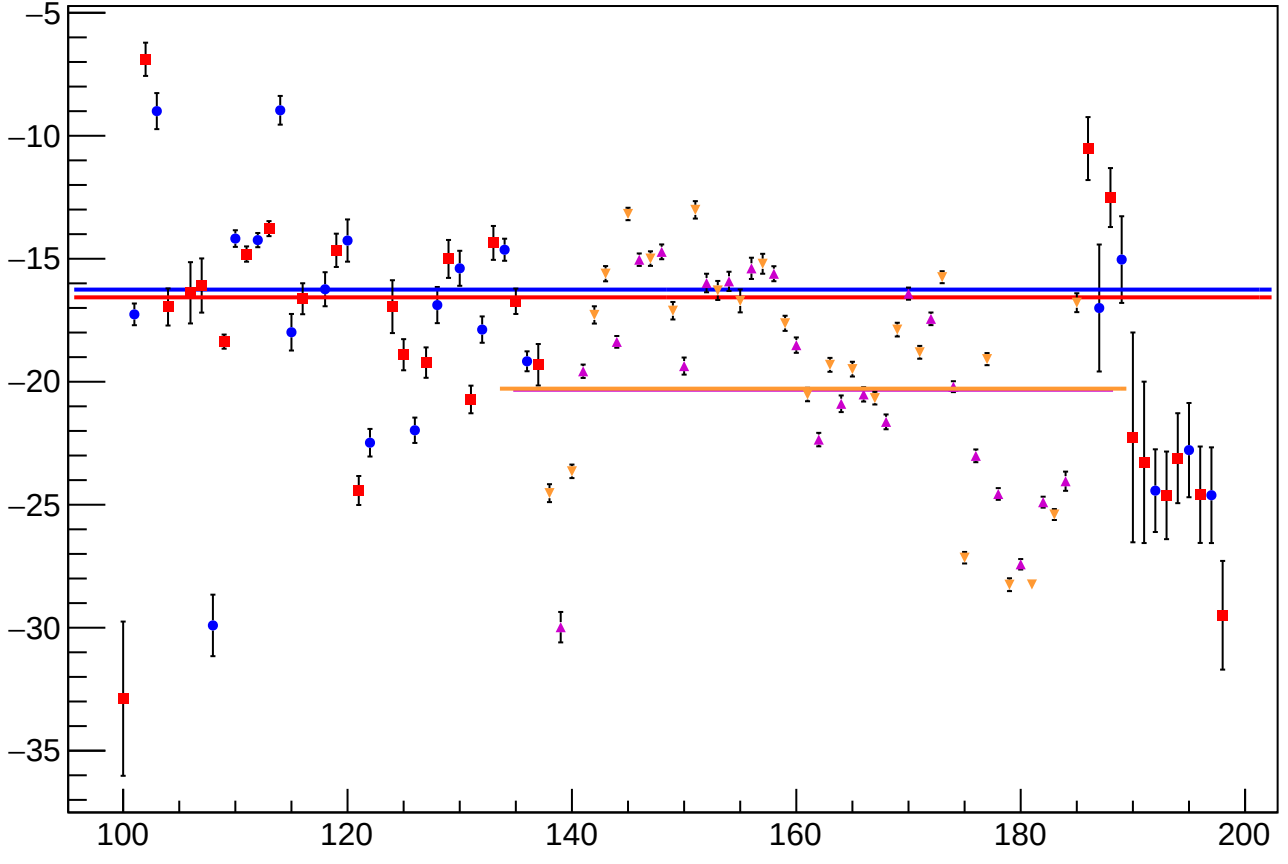
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.981+/-0.056 χ^2/NDF: 34495.0/45

All: -50.761+/-0.039 χ^2/NDF: 73057.8/95

- sign -51.547+/-0.056 χ^2/NDF: 38167.4/49

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.254+/-0.126 χ^2/NDF: 852.0/20

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.569+/-0.122 χ^2/NDF: 808.8/26

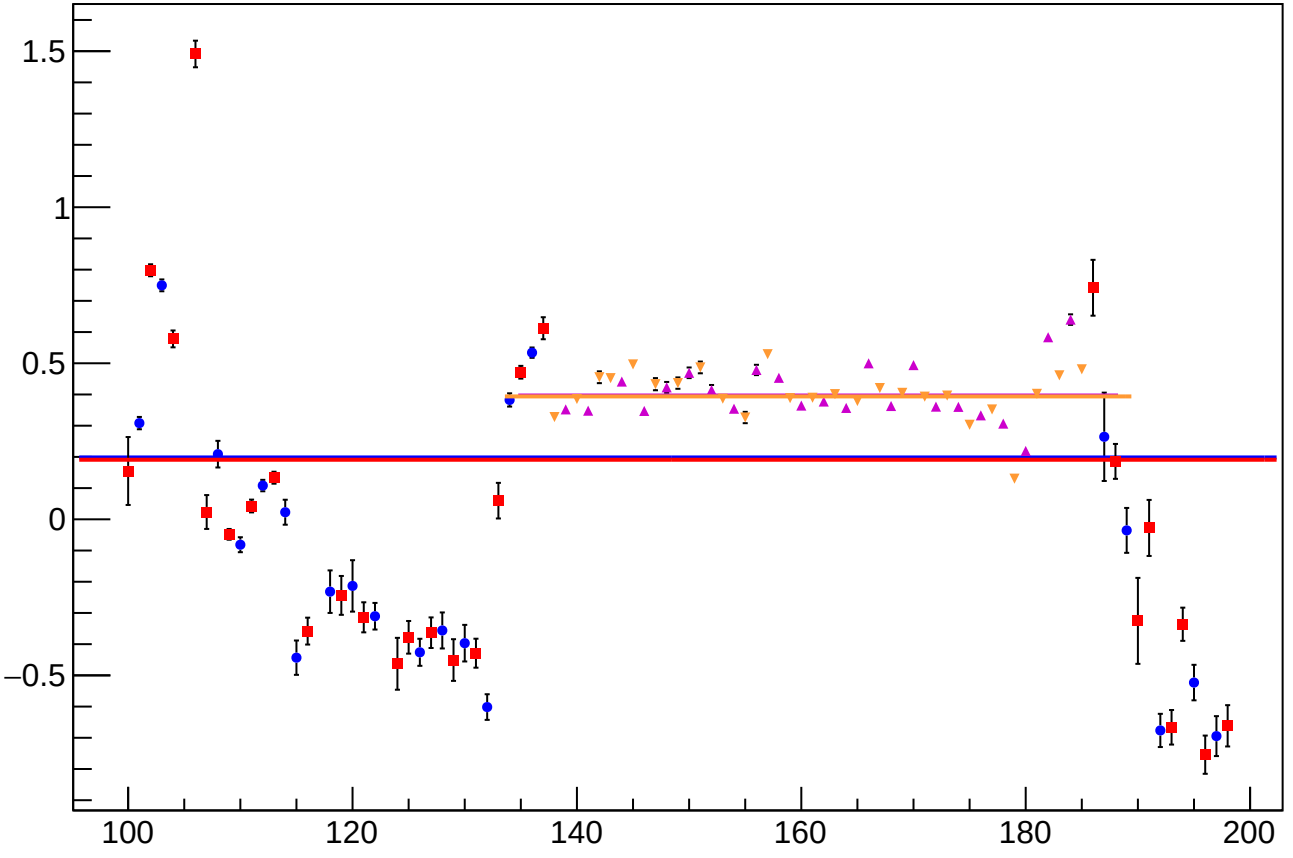
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.594+/-0.052 χ^2/NDF: 8721.7/45

All: -19.603+/-0.037 χ^2/NDF: 14568.3/95

- sign -19.613+/-0.053 χ^2/NDF: 5846.5/49

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.198+/-0.007 χ^2/NDF: 3300.7/20

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.191+/-0.007 χ^2/NDF: 4436.0/26

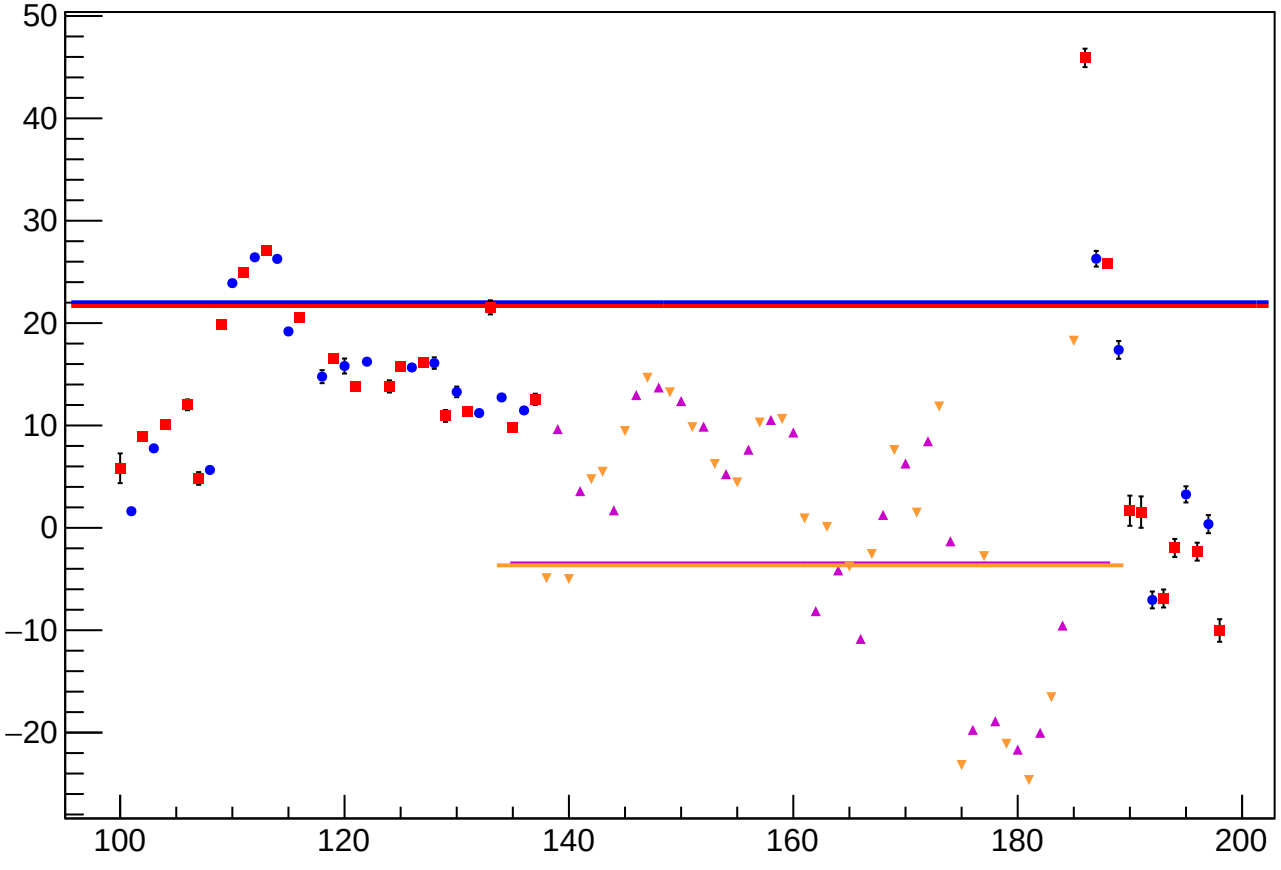
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

\+ sign 0.370+/-0.002 χ^2/NDF: 4959.1/45

All: 0.370+/-0.002 χ^2/NDF: 11489.0/95

\- sign 0.370+/-0.002 χ^2/NDF: 6530.0/49

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.032+/-0.056 χ^2/NDF: 14836.9/20

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.672+/-0.046 χ^2/NDF: 15235.0/26

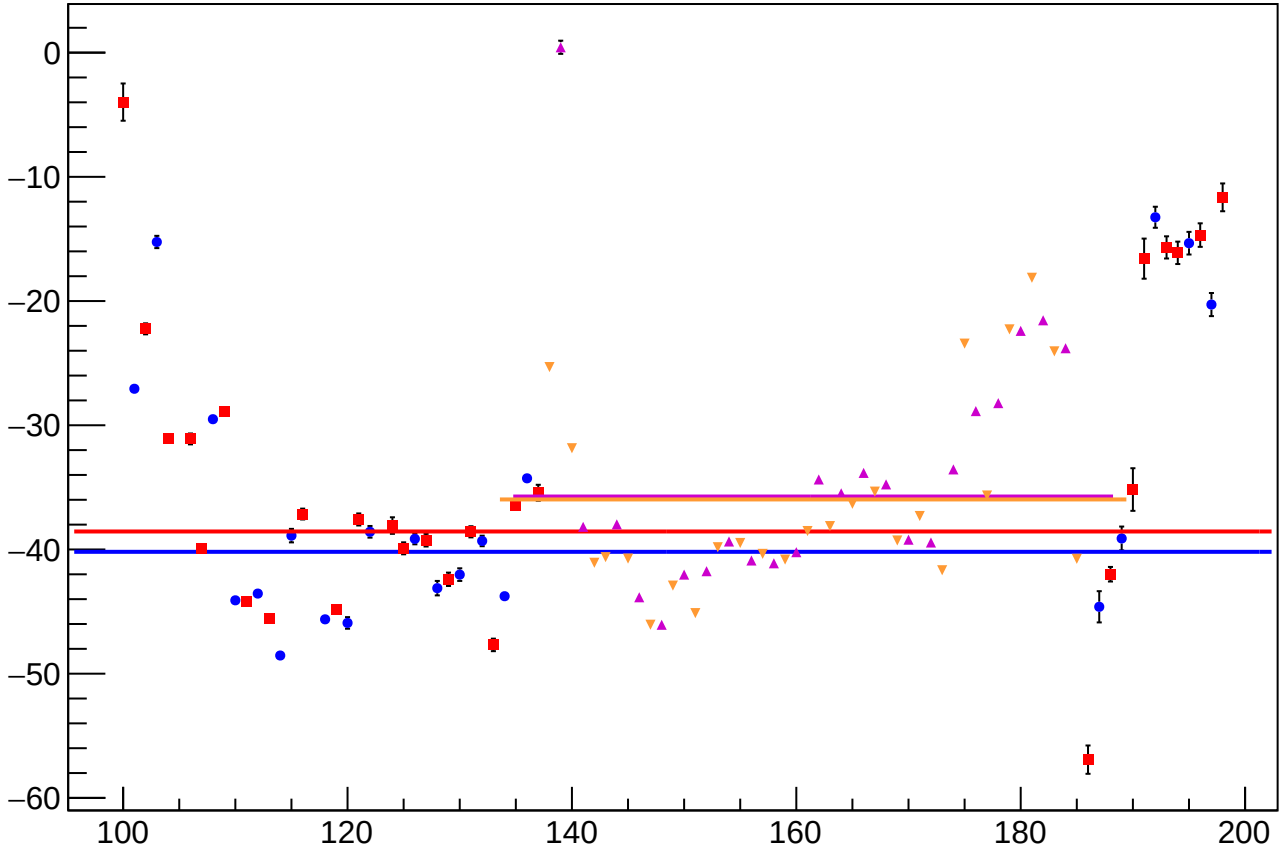
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.869+/-0.039 χ^2/NDF: 179804.4/45

All: 10.532+/-0.026 χ^2/NDF: 360980.6/95

- sign 11.927+/-0.036 χ^2/NDF: 177837.9/49

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.189+/-0.075 χ^2/NDF: 10051.6/20

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.552+/-0.070 χ^2/NDF: 13111.9/26

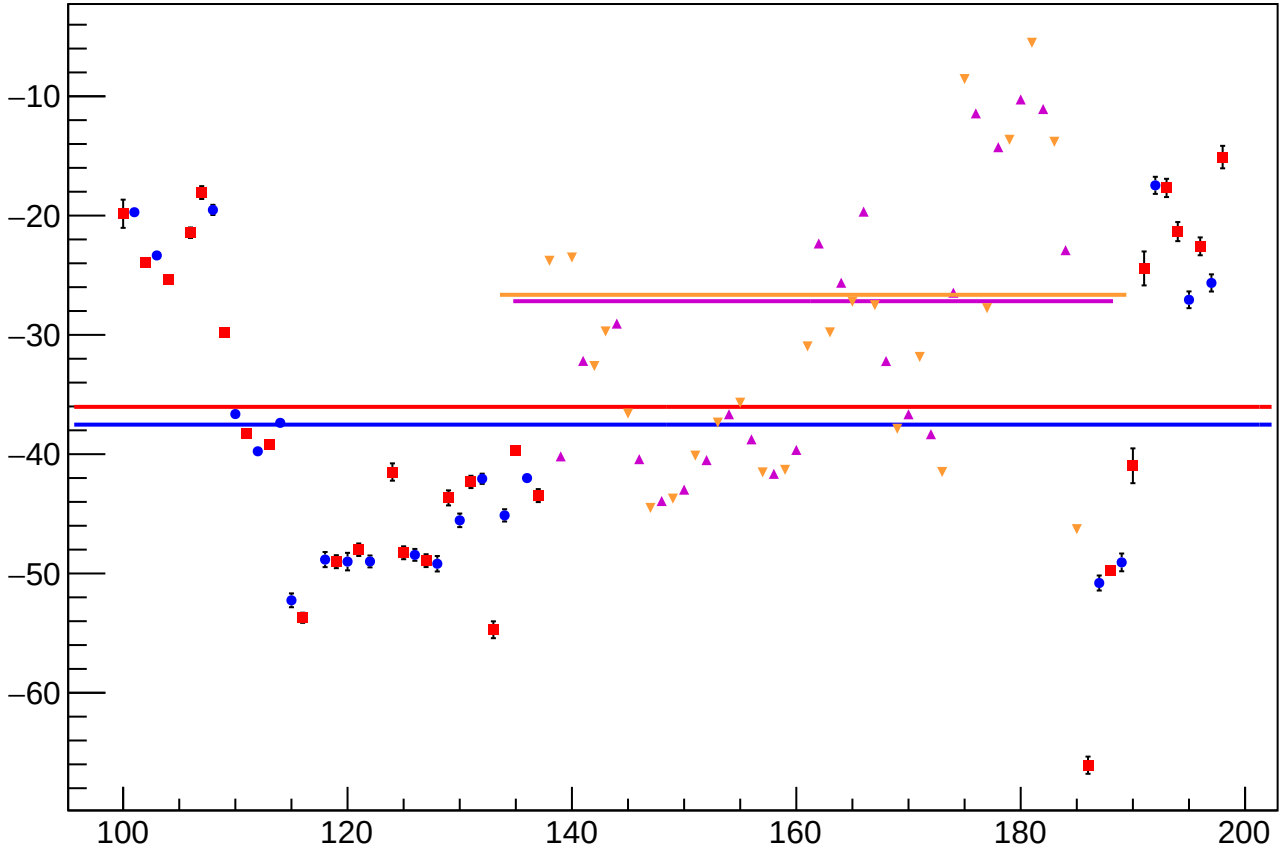
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.989+/-0.037 χ^2/NDF: 46041.3/45

All: -36.782+/-0.026 χ^2/NDF: 87528.2/95

- sign -36.567+/-0.038 χ^2/NDF: 41423.0/49

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.523+/-0.072 χ^2/NDF: 12822.7/20

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.034+/-0.062 χ^2/NDF: 18561.2/26

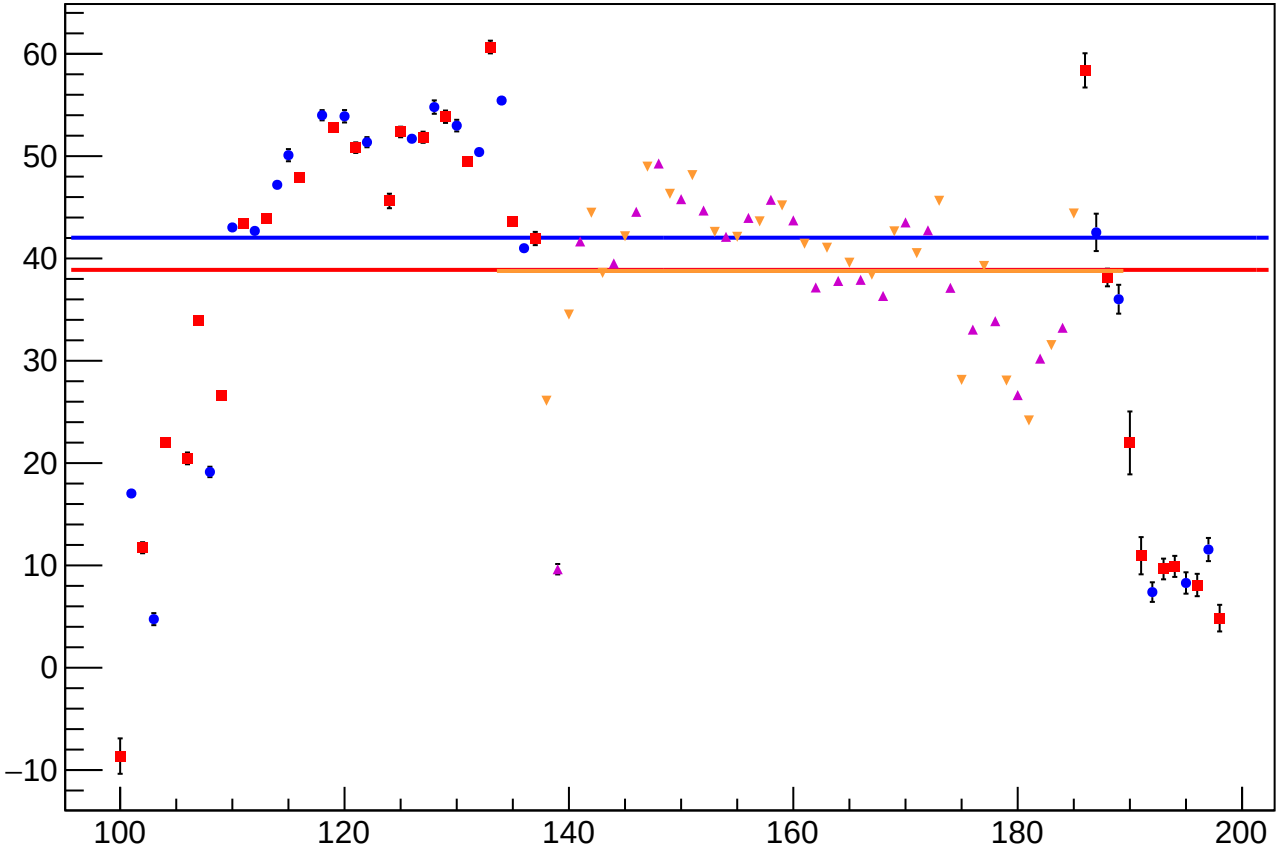
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.627+/-0.043 χ^2/NDF: 77442.8/45

All: -30.948+/-0.030 χ^2/NDF: 148116.1/95

- sign -31.249+/-0.042 χ^2/NDF: 70567.6/49

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.029+/-0.084 χ^2/NDF: 17922.0/20

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.885+/-0.077 χ^2/NDF: 21556.3/26

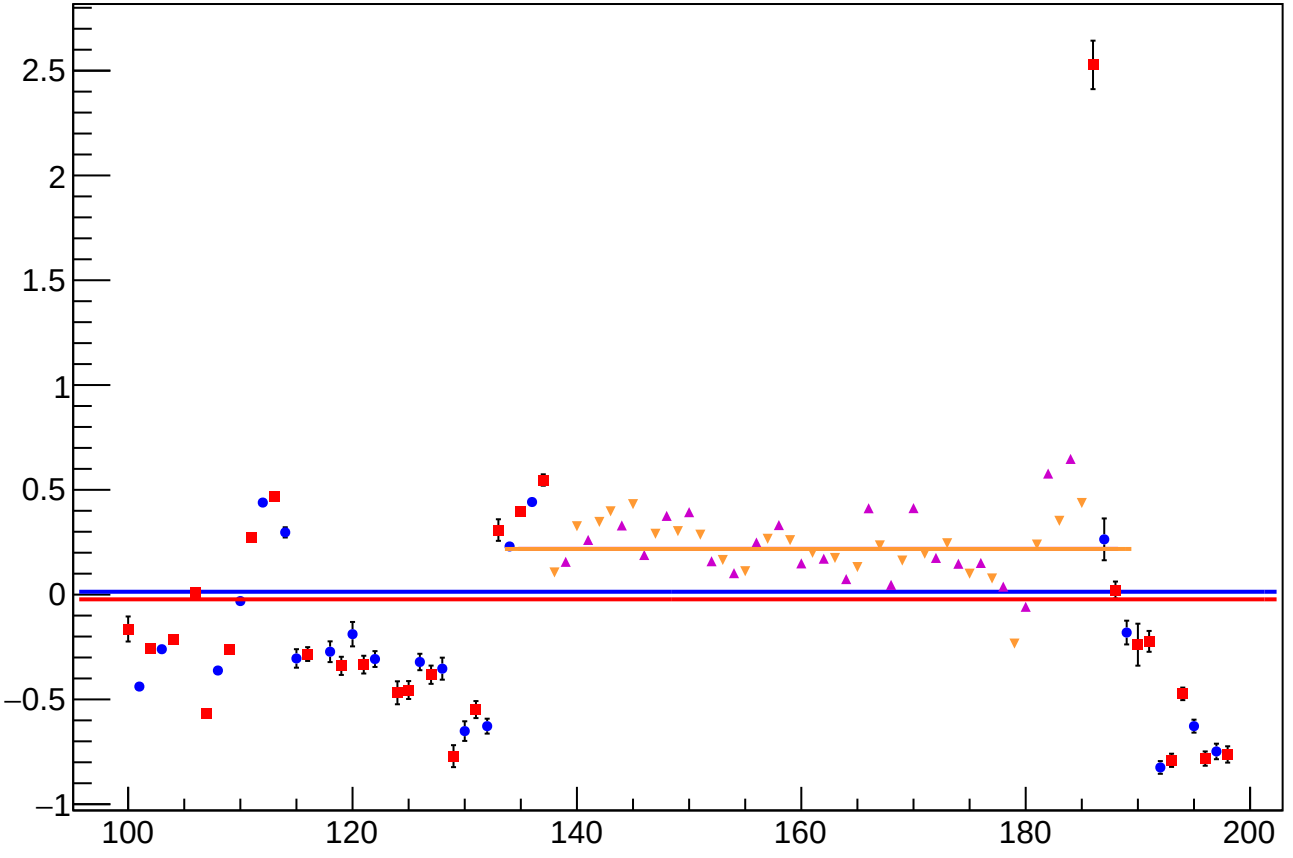
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

\+ sign 39.571+/-0.041 χ^2/NDF: 40126.1/45

All: 39.200+/-0.030 χ^2/NDF: 78086.1/95

\- sign 38.819+/-0.042 χ^2/NDF: 37798.0/49

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.014+/-0.005 χ^2/NDF: 7242.9/20

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.023+/-0.004 χ^2/NDF: 8696.6/26

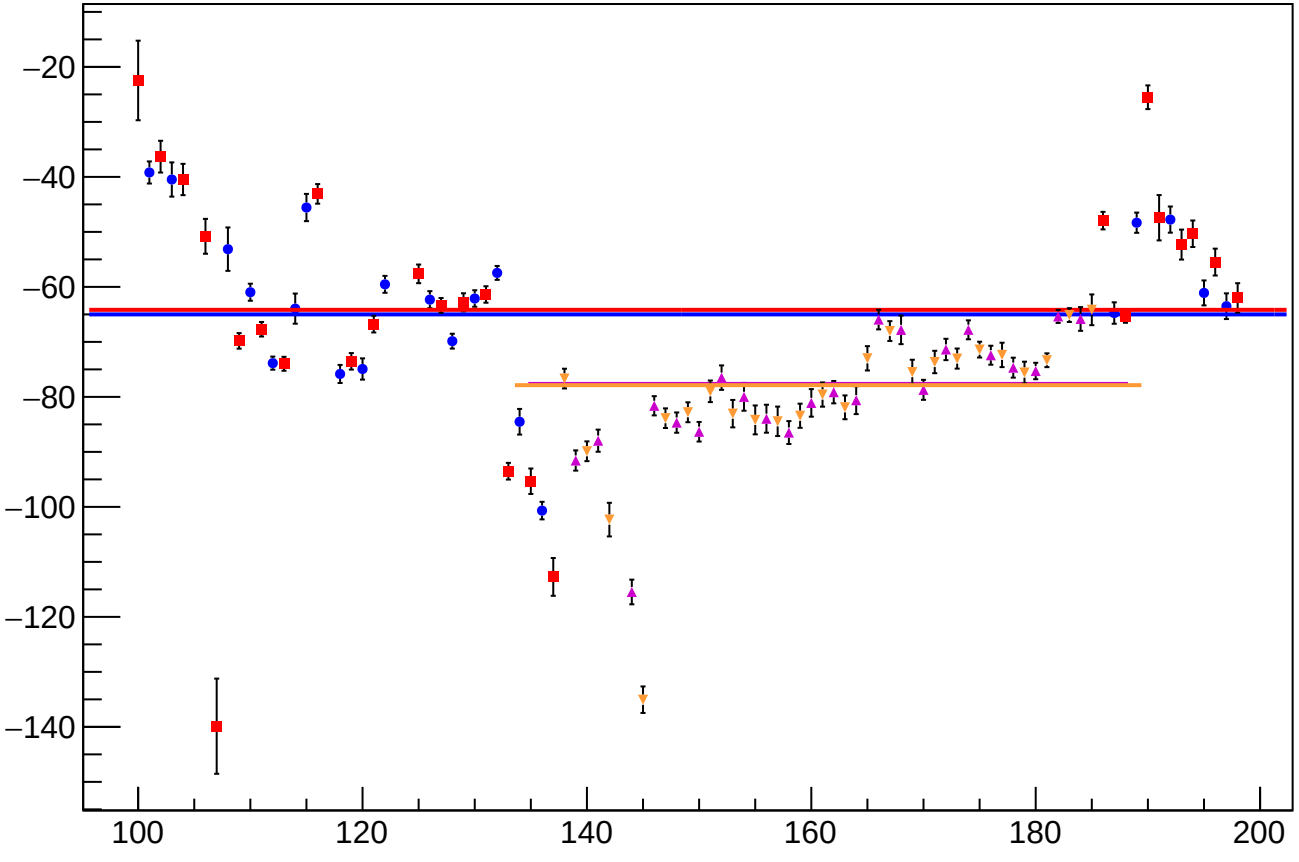
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.182+/-0.002 χ^2/NDF: 12898.0/45

All: 0.174+/-0.001 χ^2/NDF: 29512.7/95

- sign 0.165+/-0.002 χ^2/NDF: 16577.5/49

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -65.001+/-0.389 χ^2/NDF: 1205.4/20

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -64.172+/-0.358 χ^2/NDF: 1836.1/25

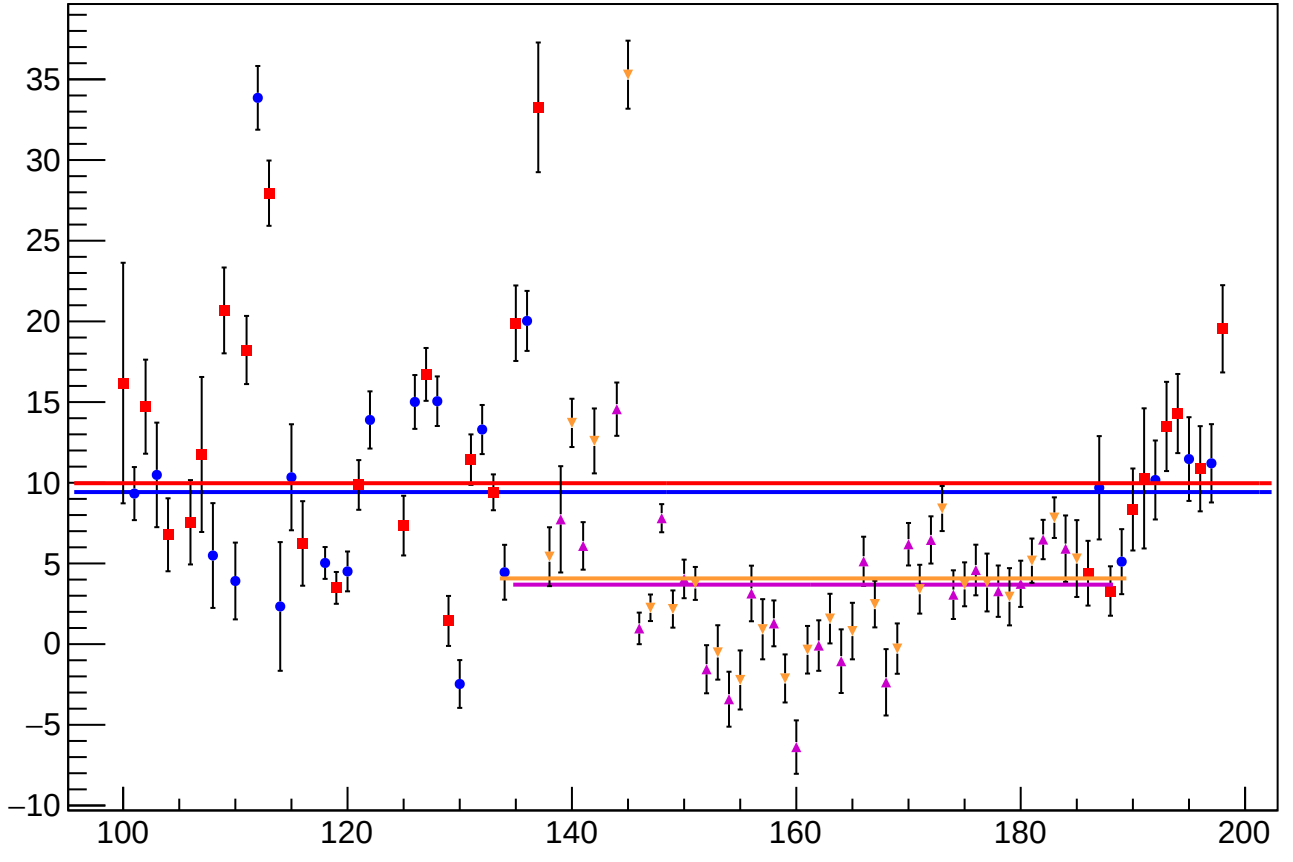
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -71.344+/-0.277 χ^2/NDF: 2678.1/44

All: -70.760+/-0.192 χ^2/NDF: 5852.1/93

- sign -70.222+/-0.266 χ^2/NDF: 3165.5/48

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.424+/-0.399 χ^2/NDF: 347.8/20

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.973+/-0.385 χ^2/NDF: 308.6/25

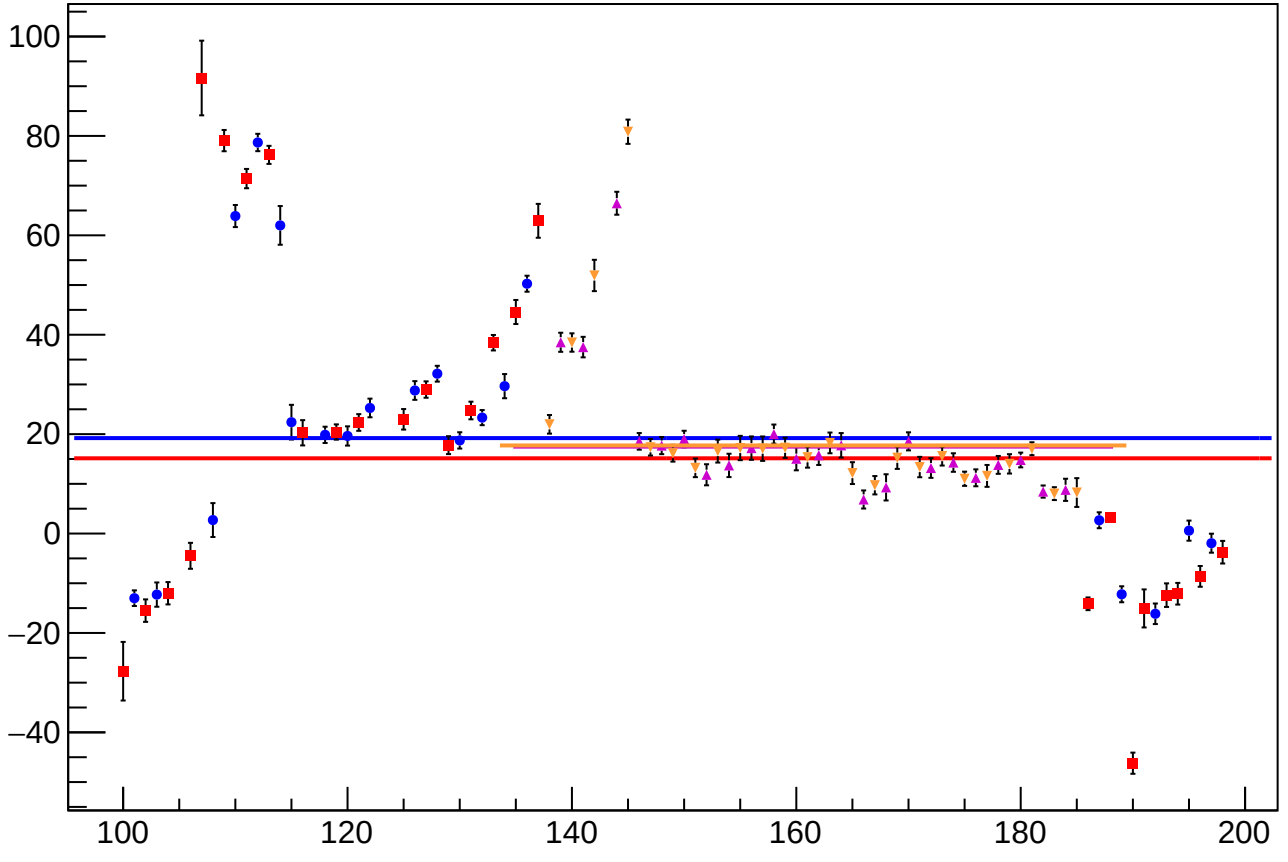
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

\+ sign 5.979+/-0.238 χ^2/NDF: 834.2/44

All: 6.027+/-0.168 χ^2/NDF: 1490.4/93

\- sign 6.074+/-0.238 χ^2/NDF: 656.1/48

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 19.203+/-0.414 χ^2/NDF: 3783.2/20

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 15.140+/-0.373 χ^2/NDF: 6208.2/25

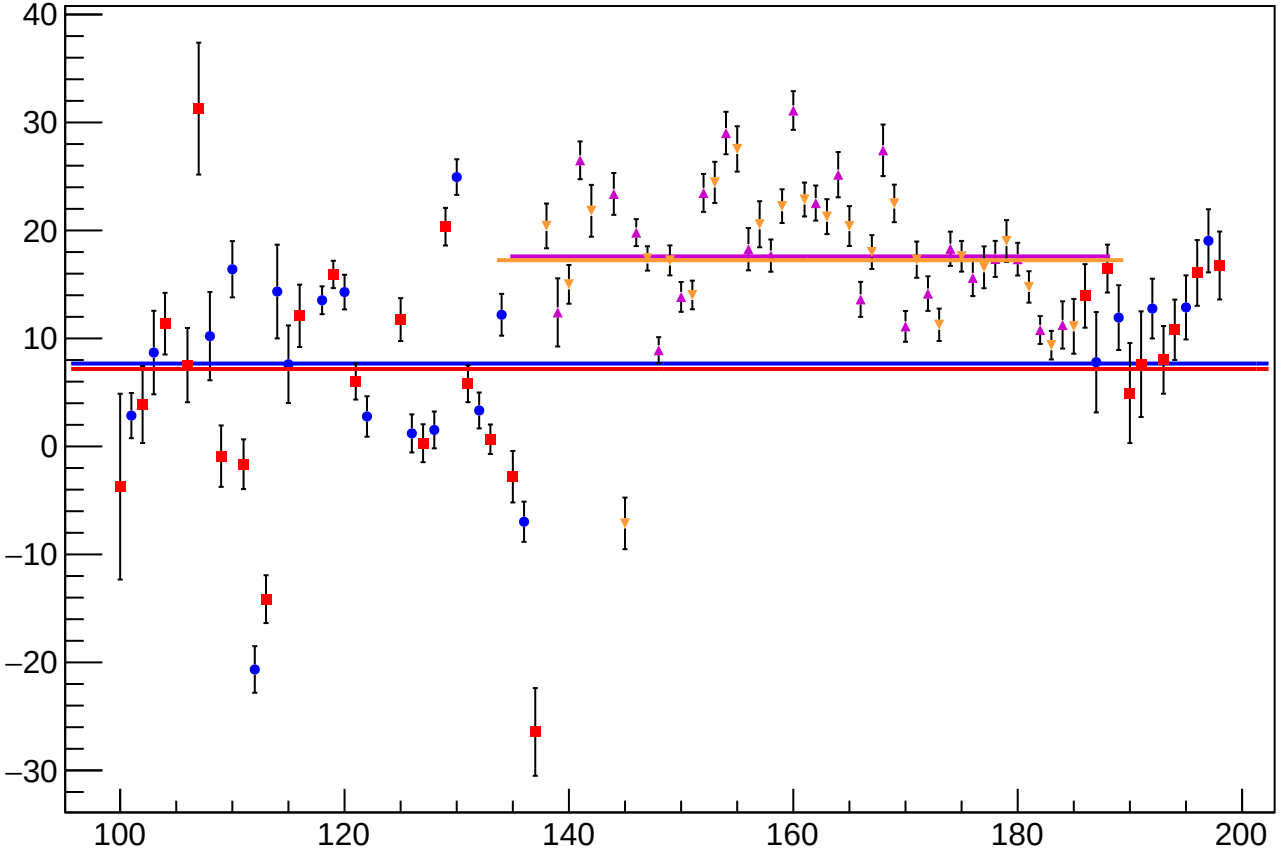
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 18.421+/-0.284 χ^2/NDF: 4848.2/44

All: 17.283+/-0.196 χ^2/NDF: 11926.5/93

- sign 16.254+/-0.270 χ^2/NDF: 7047.8/48

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 7.675+/-0.467 χ^2/NDF: 470.2/20

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.171+/-0.456 χ^2/NDF: 416.8/25

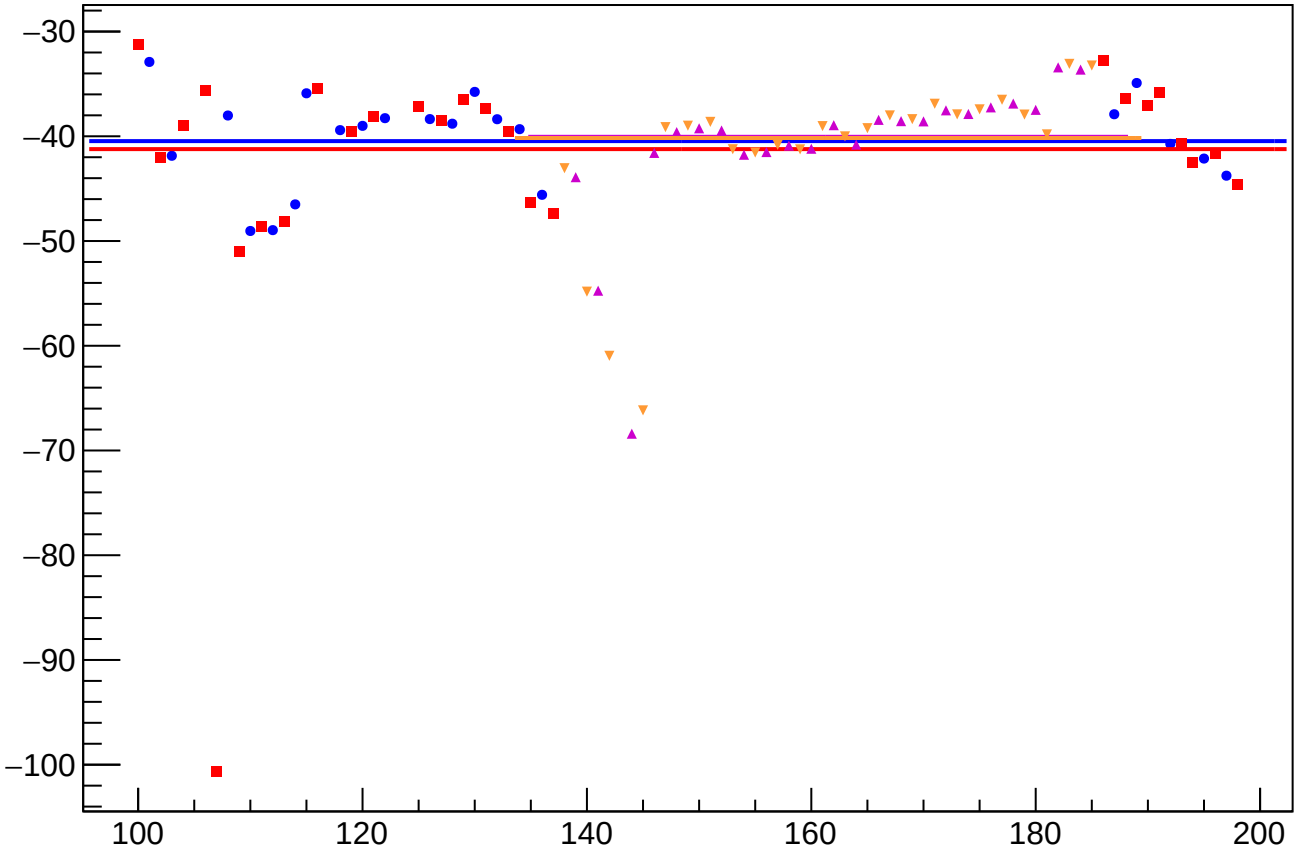
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.951+/-0.274 χ^2/NDF: 1006.8/44

All: 13.893+/-0.194 χ^2/NDF: 2068.2/93

- sign 13.836+/-0.274 χ^2/NDF: 1061.3/48

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.461+/-0.026 χ^2/NDF: 24688.9/20

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.225+/-0.024 χ^2/NDF: 67297.7/25

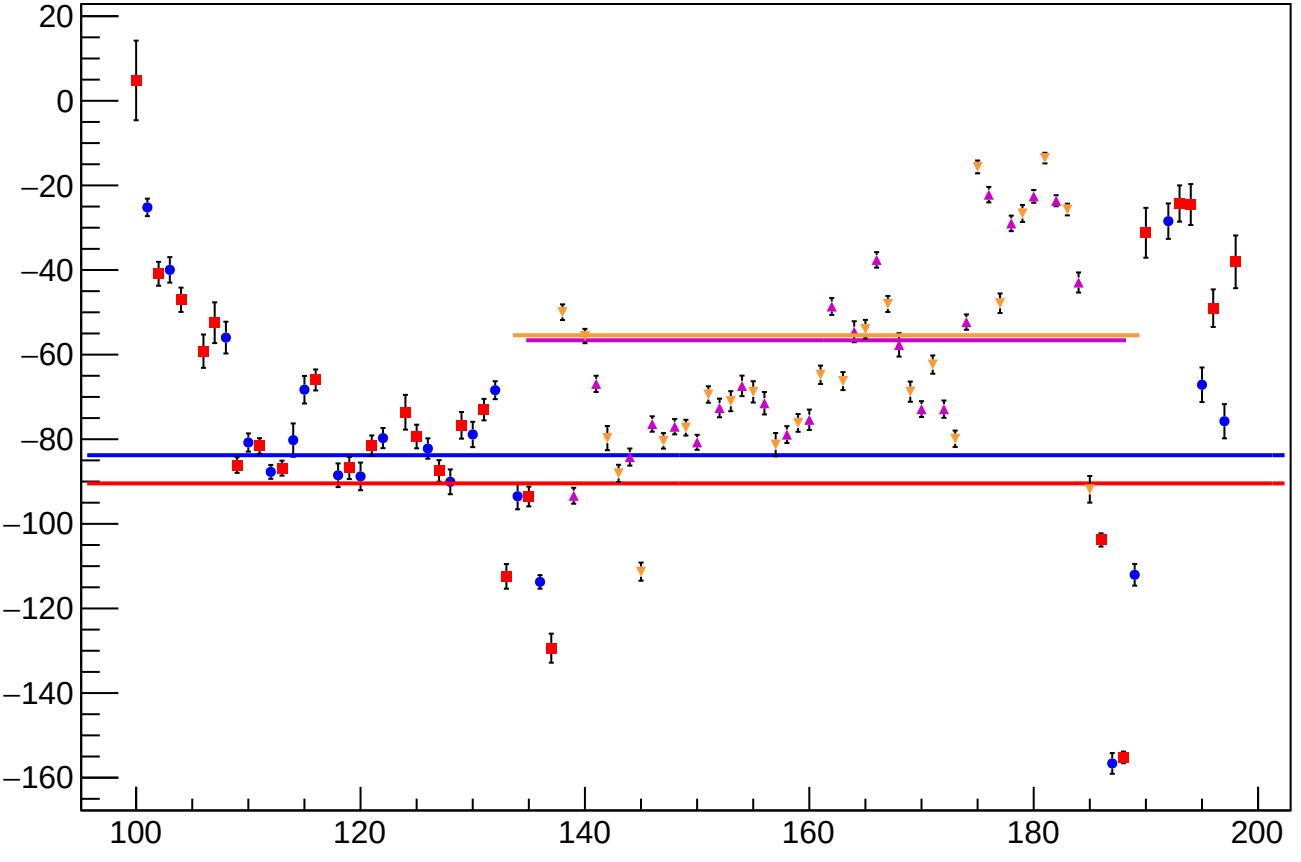
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.242+/-0.013 χ^2/NDF: 188120.9/44

All: -40.314+/-0.009 χ^2/NDF: 393573.7/93

- sign -40.384+/-0.013 χ^2/NDF: 205394.5/48

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -83.775+/-0.561 χ^2/NDF: 2726.5/20

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -90.436+/-0.508 χ^2/NDF: 4147.0/25

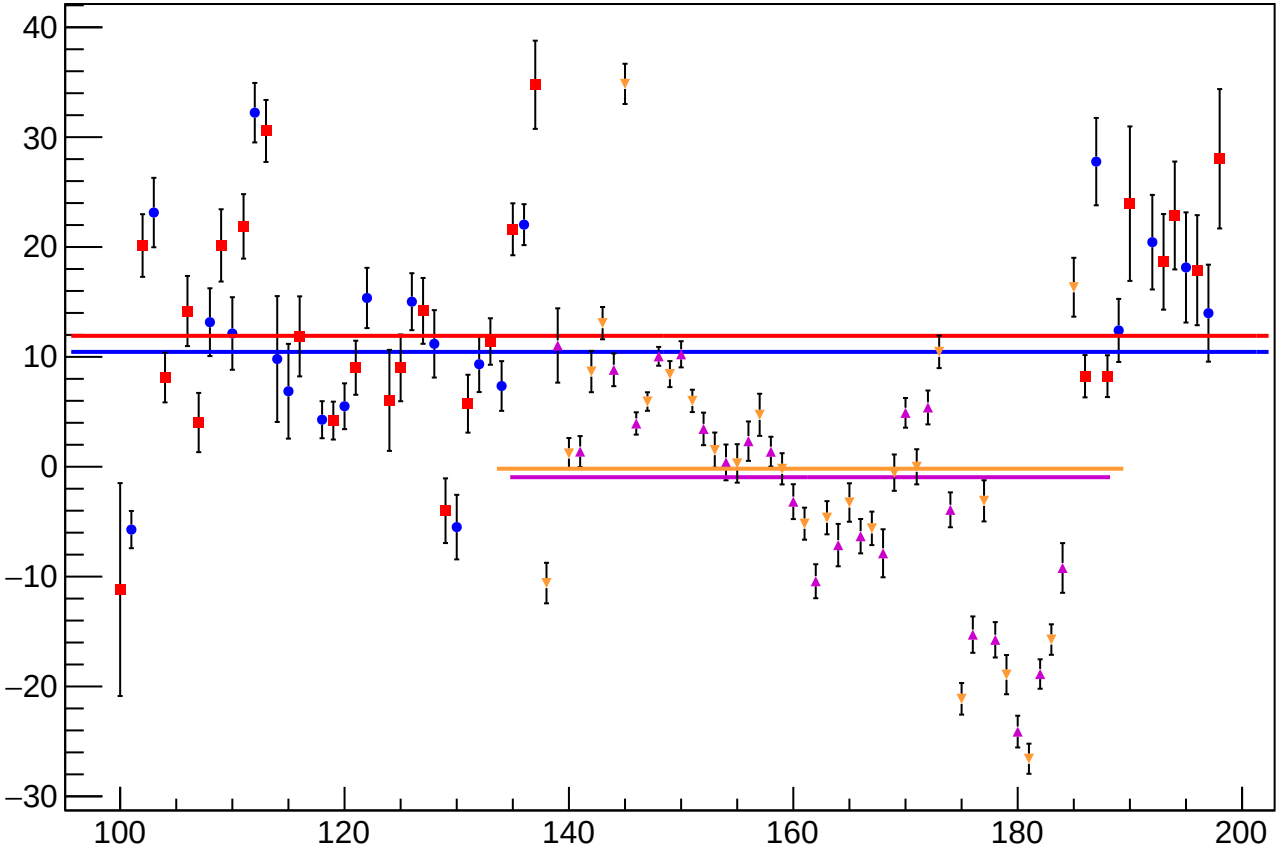
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.760+/-0.322 χ^2/NDF: 8963.0/45

All: -67.281+/-0.226 χ^2/NDF: 19298.7/94

- sign -69.708+/-0.316 χ^2/NDF: 10215.5/48

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 10.453+/-0.585 χ^2/NDF: 297.0/20

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.916+/-0.560 χ^2/NDF: 221.4/25

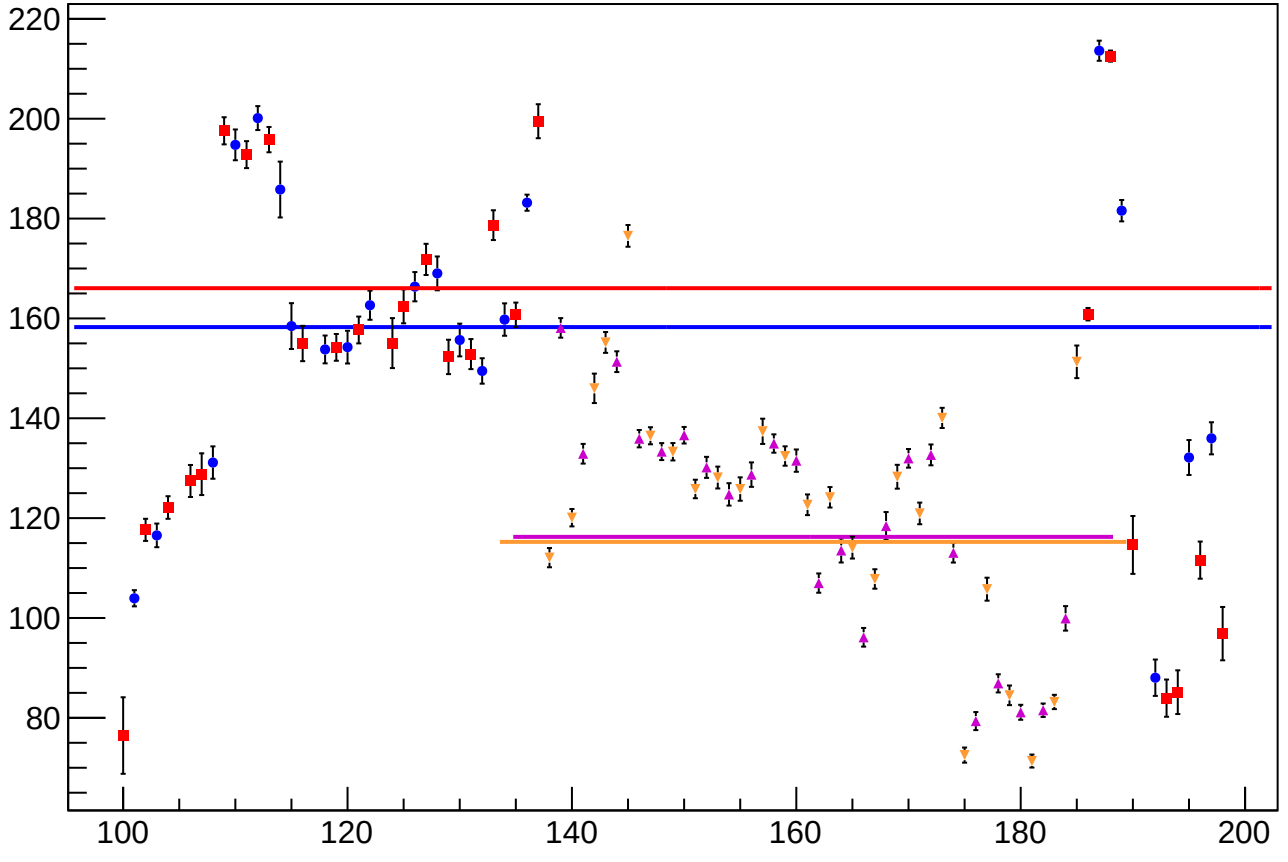
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 1.966+/-0.263 χ^2/NDF: 2159.2/45

All: 1.972+/-0.187 χ^2/NDF: 3858.2/94

- sign 1.979+/-0.267 χ^2/NDF: 1699.0/48

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 158.263+/-0.577 χ^2/NDF: 3599.9/20

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 166.056+/-0.509 χ^2/NDF: 4847.4/25

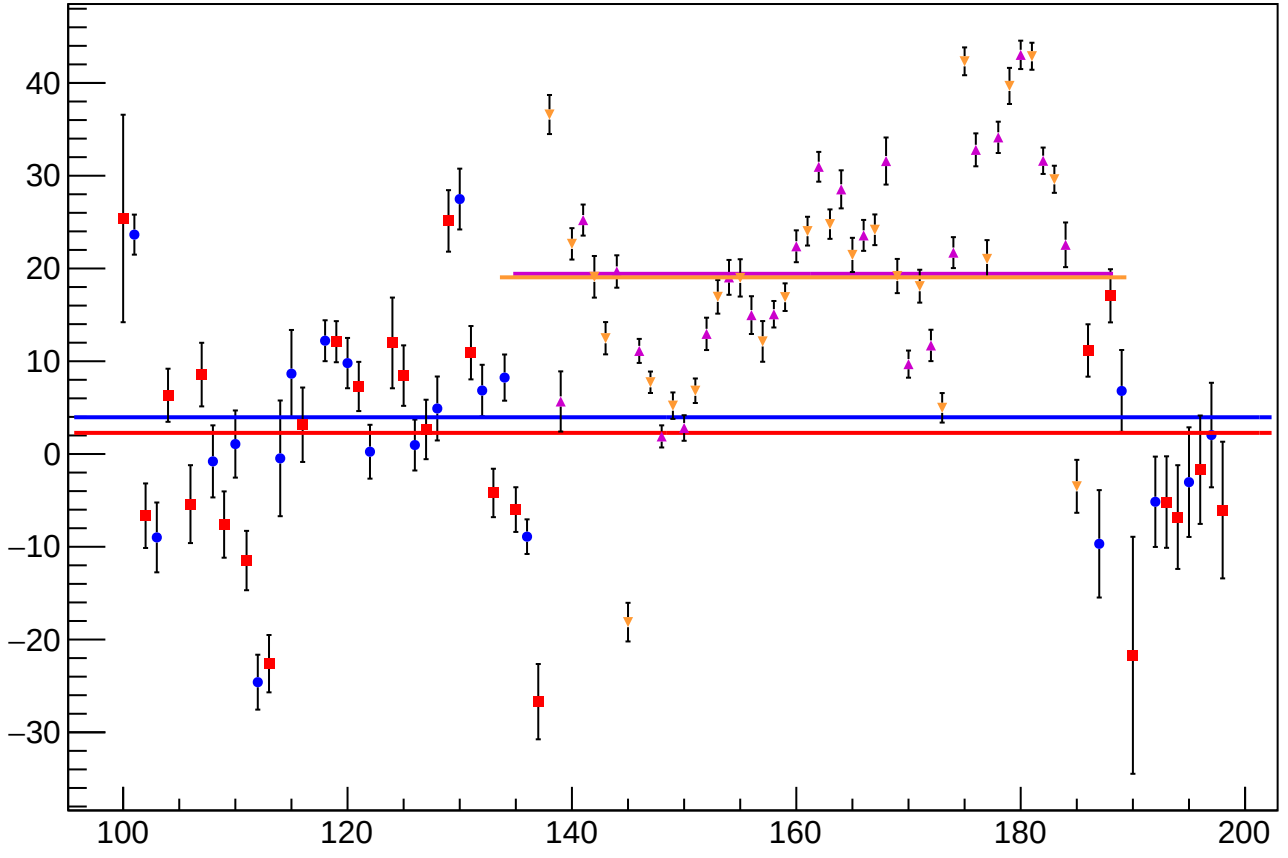
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.746+/-0.323 χ^2/NDF: 12248.9/45

All: 132.076+/-0.225 χ^2/NDF: 26871.0/94

- sign 135.219+/-0.314 χ^2/NDF: 14415.9/48

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 3.962+/-0.683 χ^2/NDF: 327.5/20

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.278+/-0.668 χ^2/NDF: 313.5/25

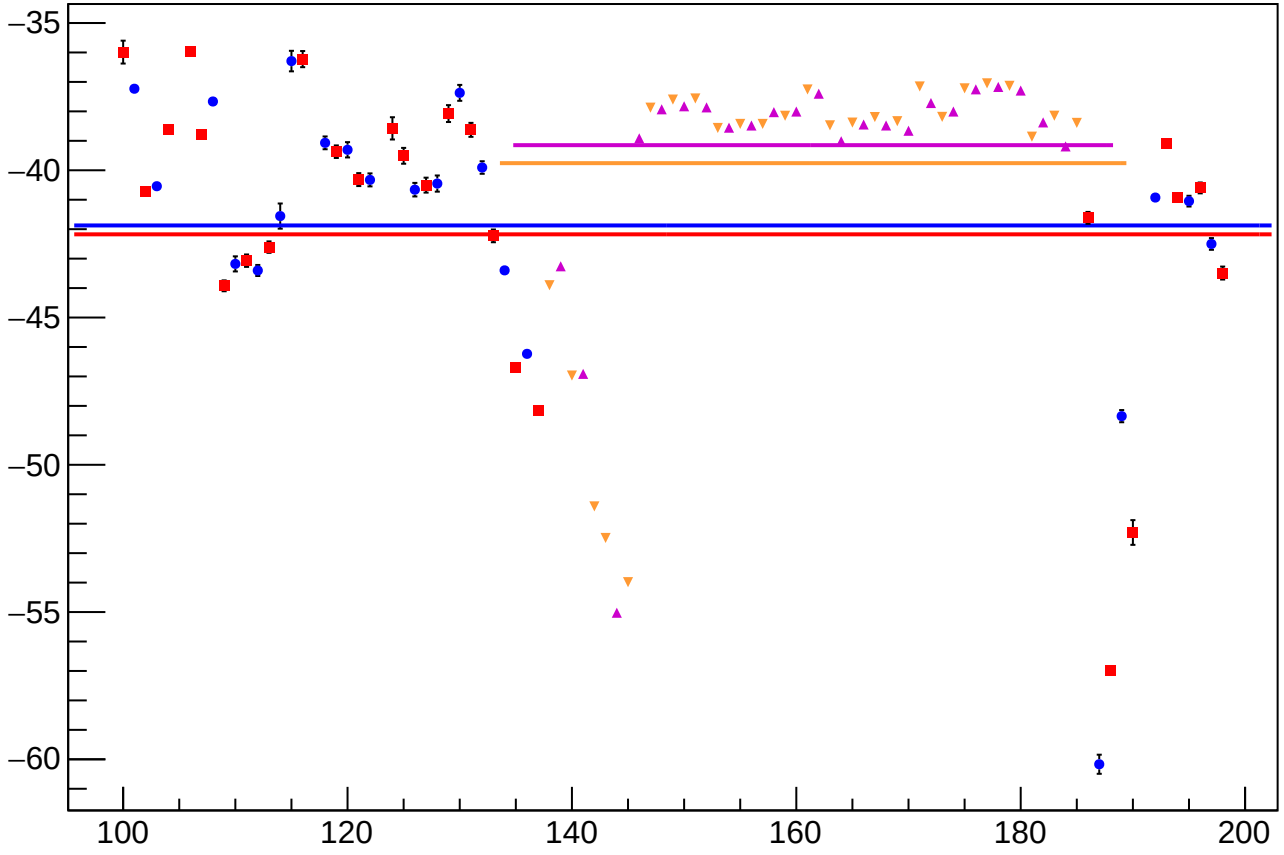
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.103+/-0.302 χ^2/NDF: 2266.1/45

All: 15.955+/-0.215 χ^2/NDF: 4177.3/94

- sign 15.801+/-0.307 χ^2/NDF: 1910.7/48

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.873+/-0.035 χ^2/NDF: 12254.3/20

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.175+/-0.034 χ^2/NDF: 19051.7/25

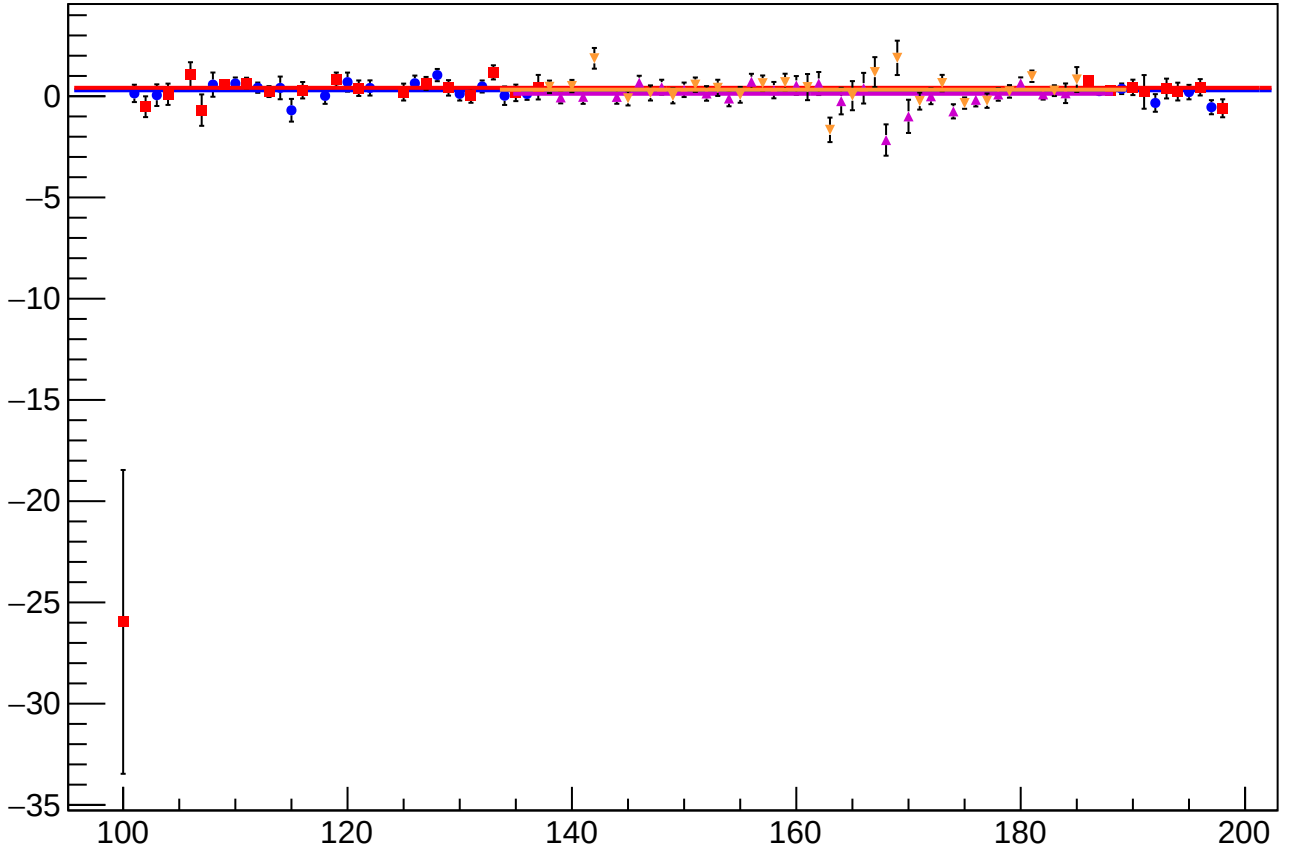
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.103+/-0.014 χ^2/NDF: 97184.8/45

All: -39.885+/-0.010 χ^2/NDF: 170041.4/94

- sign -39.664+/-0.014 χ^2/NDF: 72374.5/48

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.292+/-0.076 χ^2/NDF: 22.9/20

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.415+/-0.064 χ^2/NDF: 40.1/25

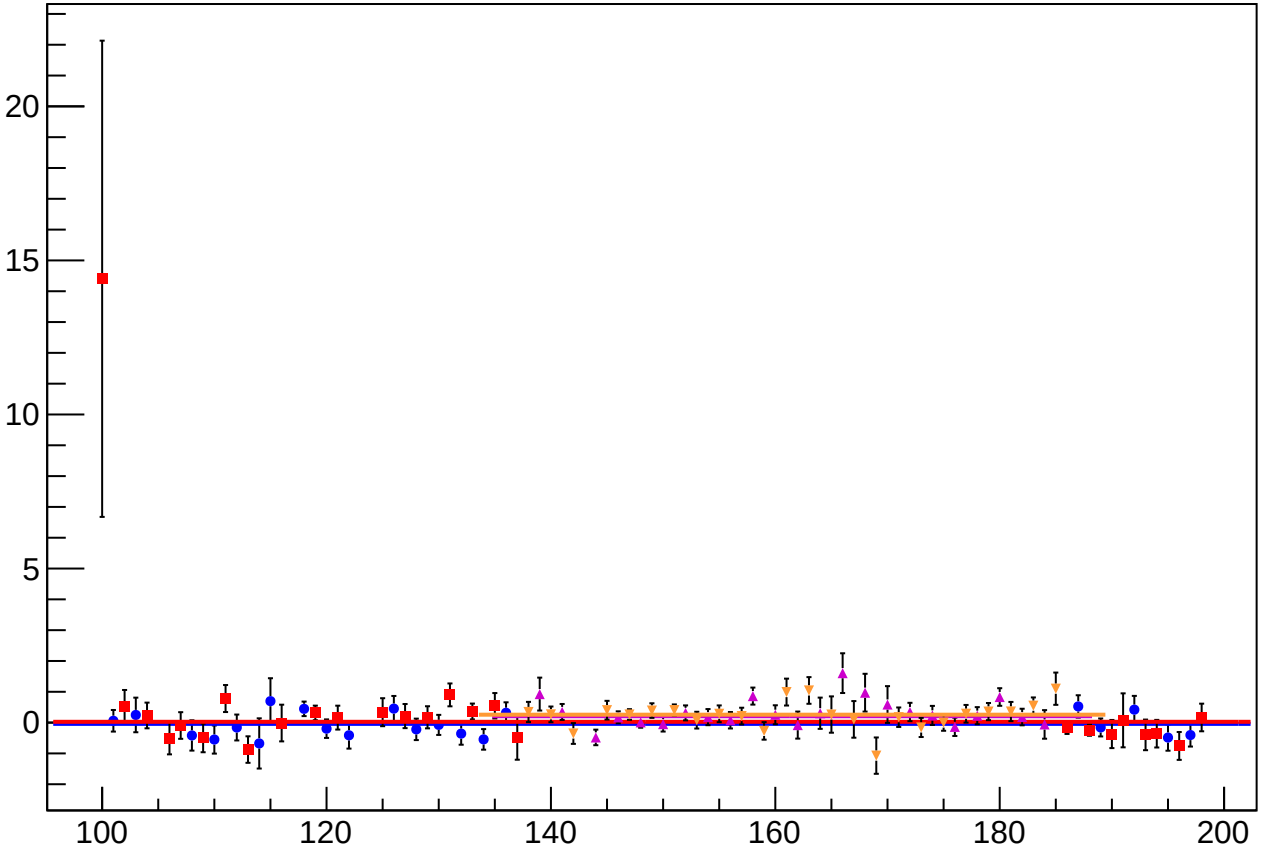
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.306+/-0.054 χ^2/NDF: 69.9/44

All: 0.302+/-0.037 χ^2/NDF: 148.4/93

- sign 0.299+/-0.050 χ^2/NDF: 78.4/48

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.041+/-0.082 χ^2/NDF: 20.7/20

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.026+/-0.073 χ^2/NDF: 34.5/25

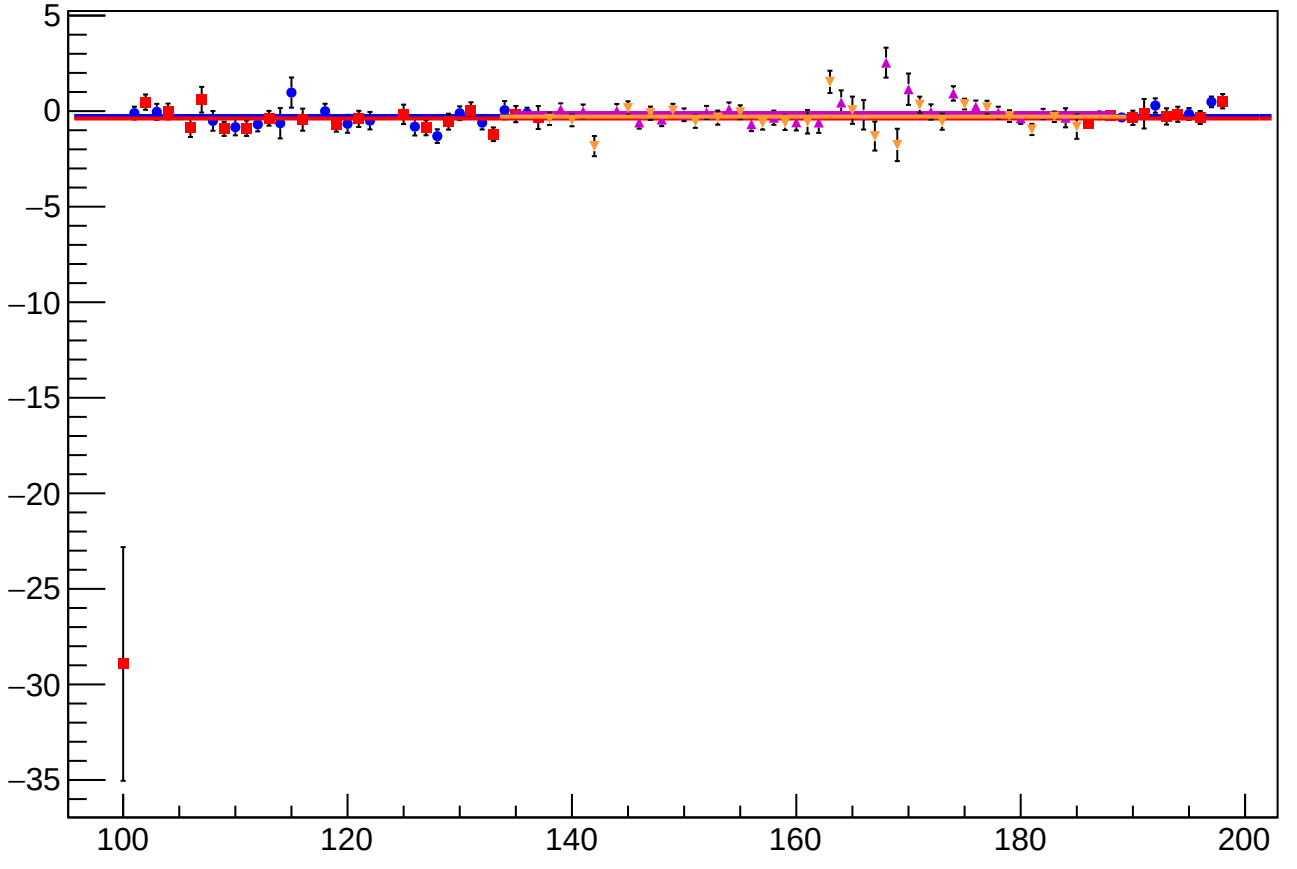
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.154+/-0.048 χ^2/NDF: 55.9/44

All: 0.143+/-0.033 χ^2/NDF: 126.0/93

- sign 0.133+/-0.047 χ^2/NDF: 70.0/48

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.256+/-0.076 χ^2/NDF: 29.3/20

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.386+/-0.060 χ^2/NDF: 54.6/25

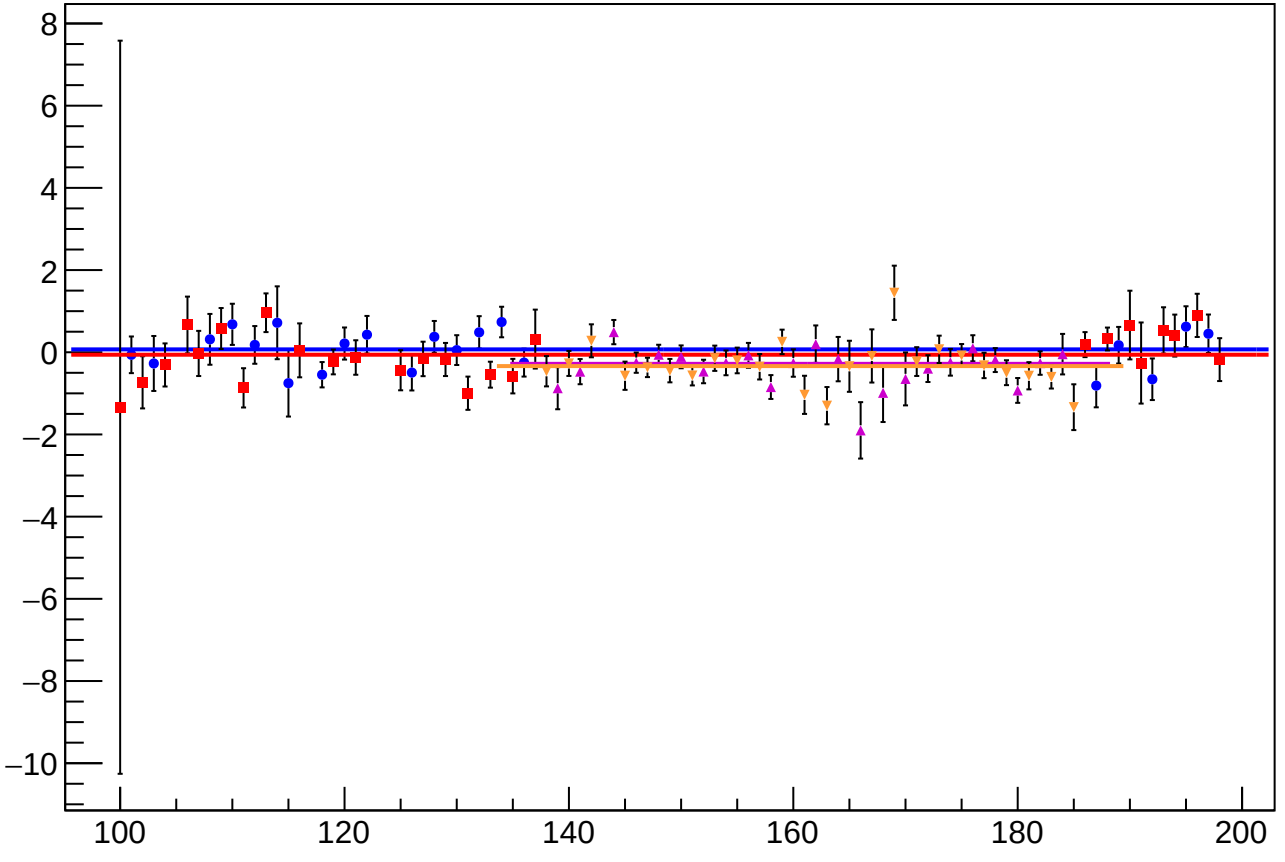
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.271+/-0.054 χ^2/NDF: 74.4/44

All: -0.276+/-0.036 χ^2/NDF: 170.6/93

- sign -0.280+/-0.048 χ^2/NDF: 96.2/48

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.070+/-0.097 χ^2/NDF: 22.7/20

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.060+/-0.090 χ^2/NDF: 31.0/25

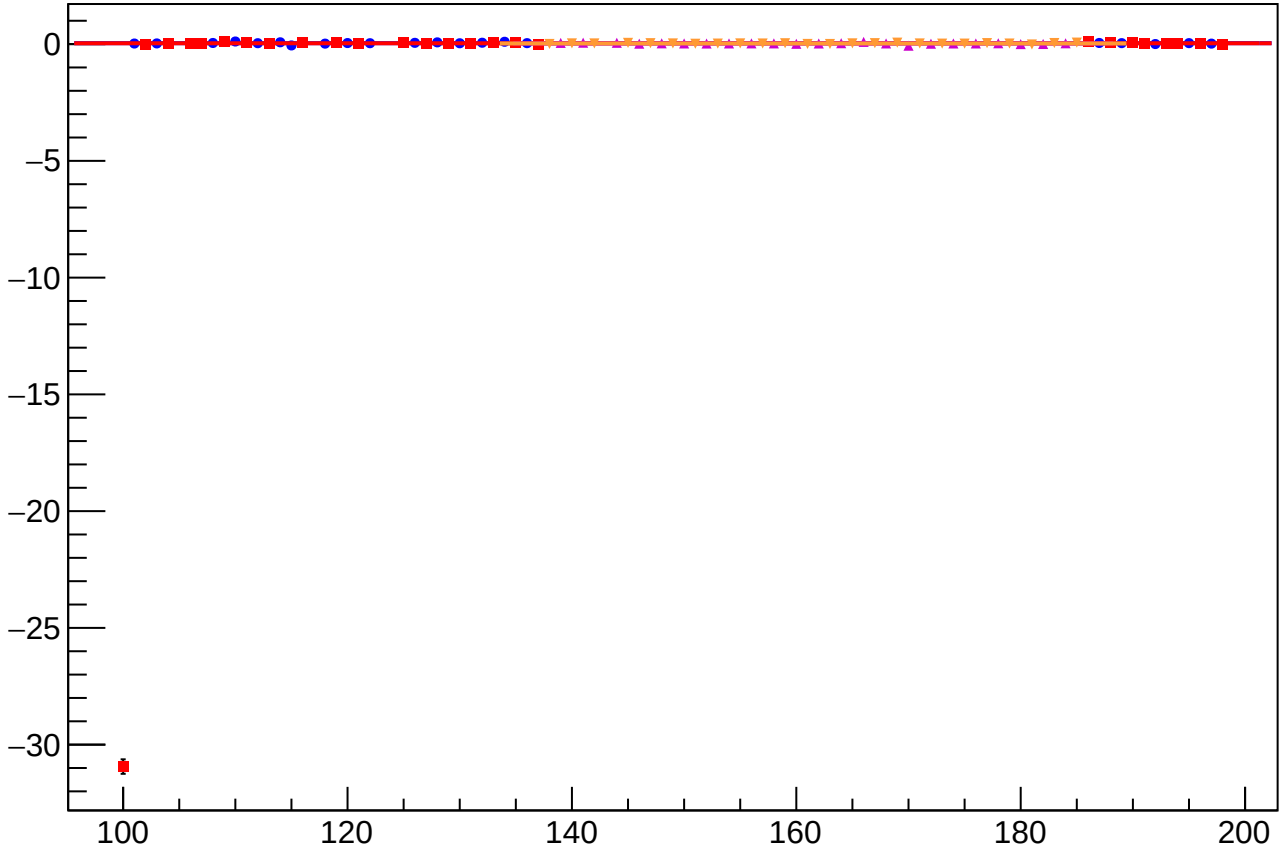
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.203+/-0.056 χ^2/NDF: 64.6/44

All: -0.201+/-0.039 χ^2/NDF: 128.5/93

- sign -0.200+/-0.055 χ^2/NDF: 63.8/48

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.041+/-0.005 χ^2/NDF: 27.9/20

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.036+/-0.004 χ^2/NDF: 10043.3/25

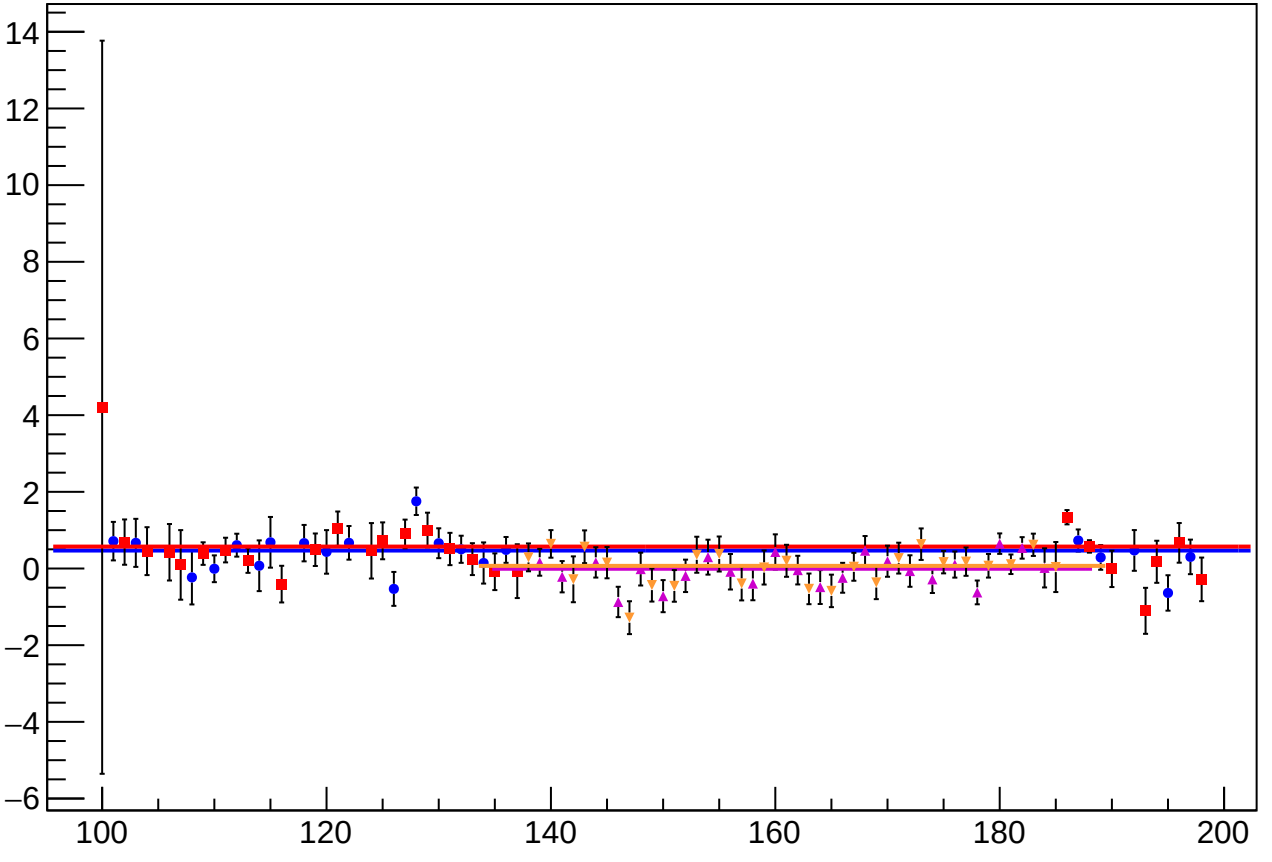
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.003 χ^2/NDF: 60.2/44

All: 0.031+/-0.002 χ^2/NDF: 10143.8/93

- sign 0.032+/-0.003 χ^2/NDF: 10083.5/48

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.469+/-0.091 χ^2/NDF: 29.9/20

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.572+/-0.076 χ^2/NDF: 41.7/25

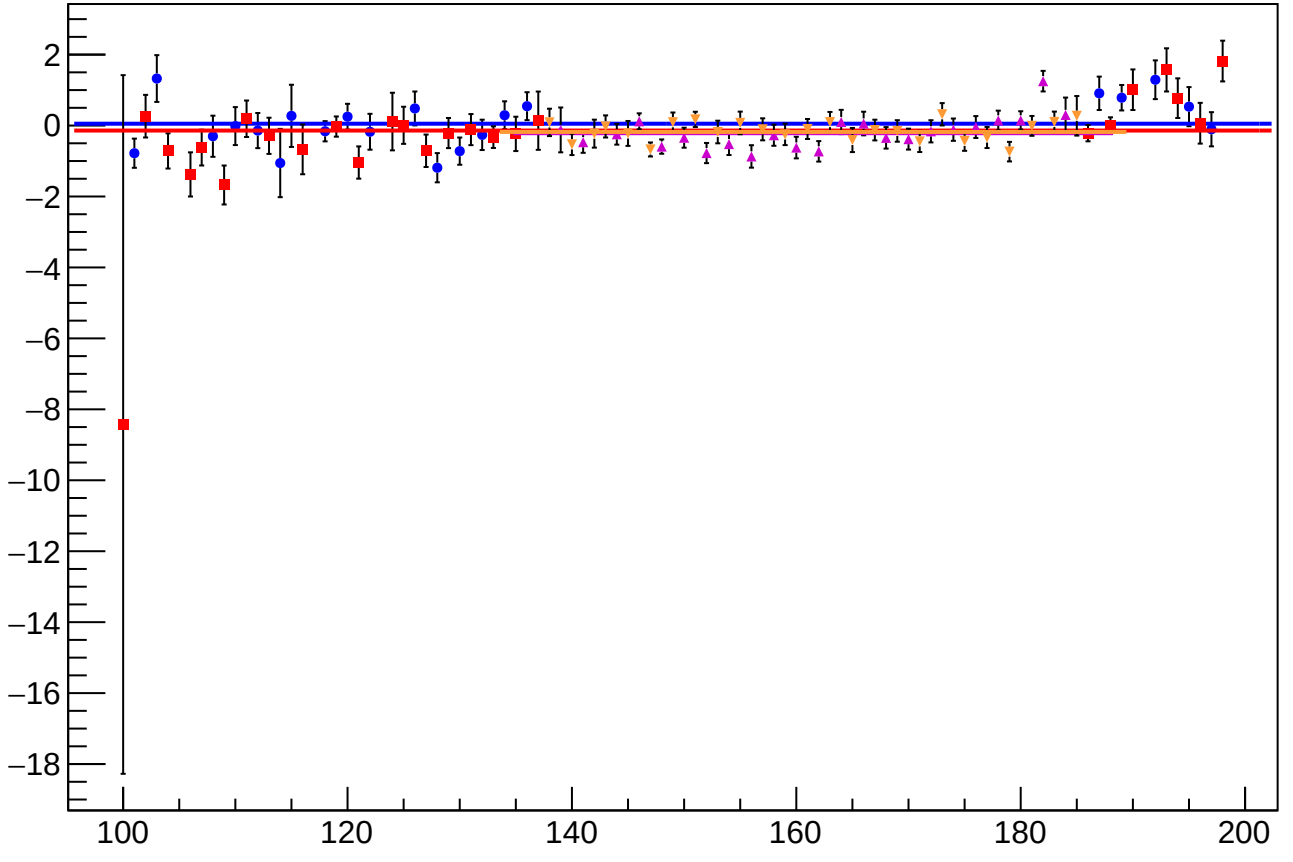
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

\+ sign 0.236+/-0.059 χ^2/NDF: 72.2/45

All: 0.268+/-0.040 χ^2/NDF: 170.7/94

\- sign 0.297+/-0.055 χ^2/NDF: 98.0/48

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.052+/-0.098 χ^2/NDF: 40.7/20

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.141+/-0.087 χ^2/NDF: 49.5/25

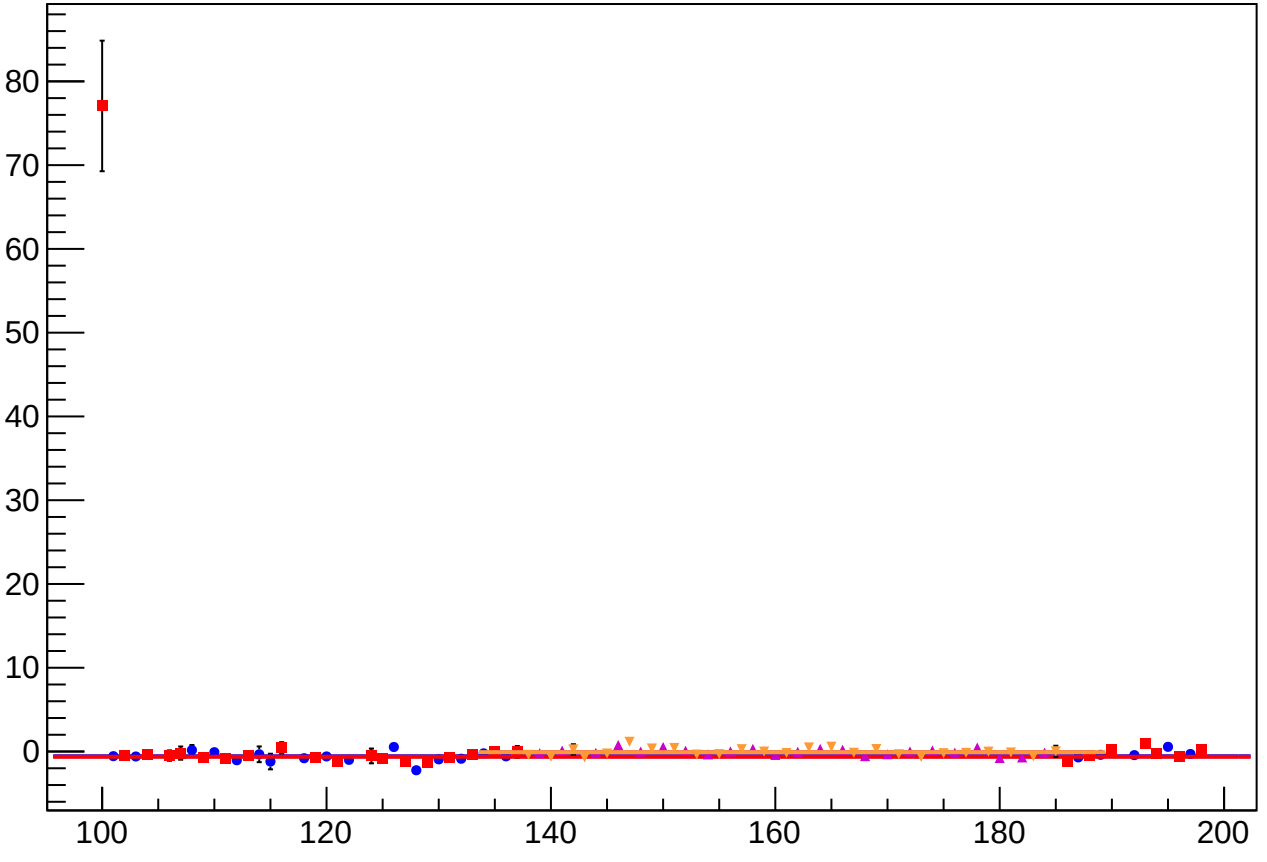
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.118+/-0.051 χ^2/NDF: 69.6/45

All: -0.155+/-0.036 χ^2/NDF: 174.1/94

- sign -0.190+/-0.050 χ^2/NDF: 103.6/48

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.569+/-0.092 χ^2/NDF: 35.6/20

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.624+/-0.072 χ^2/NDF: 139.8/25

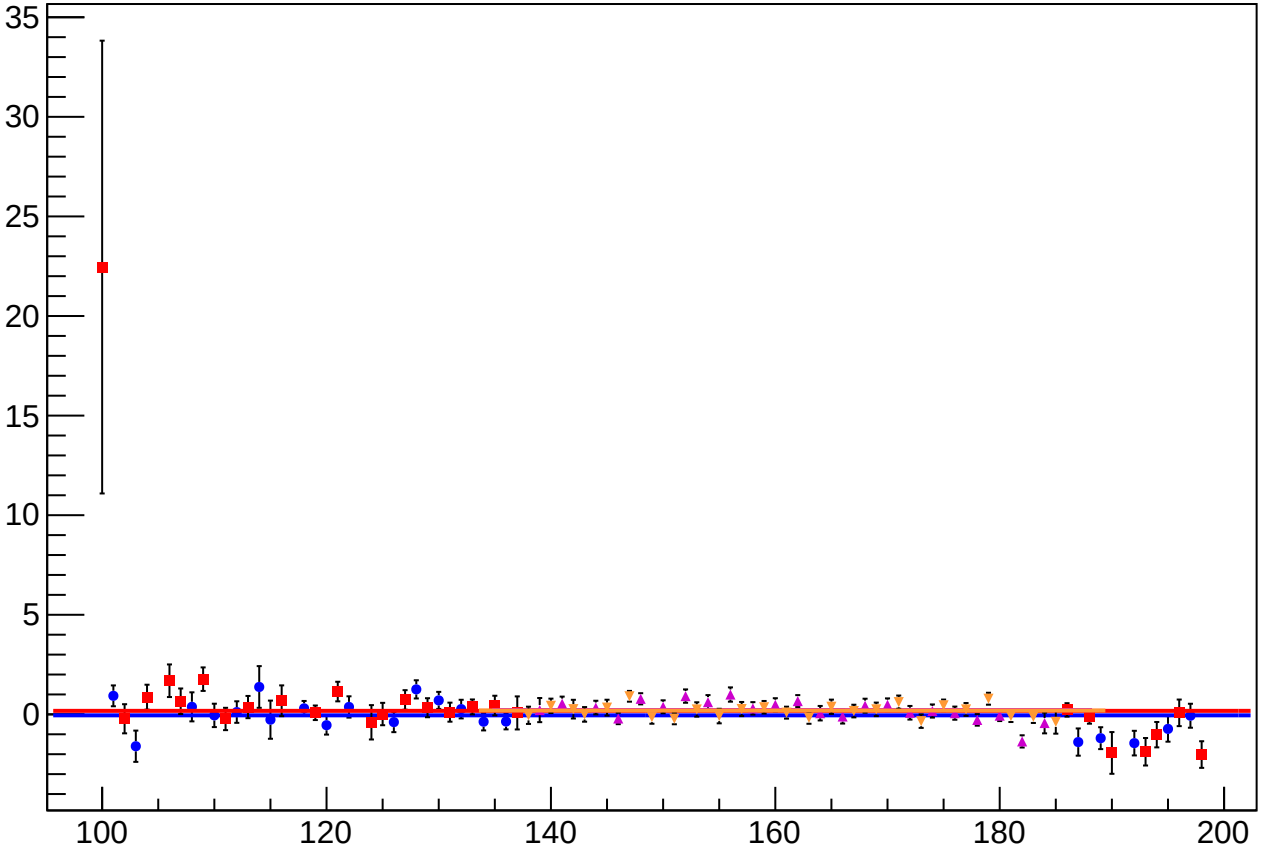
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.278+/-0.059 χ^2/NDF: 82.4/45

All: -0.331+/-0.039 χ^2/NDF: 278.4/94

- sign -0.374+/-0.053 χ^2/NDF: 194.6/48

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.049+/-0.116 χ^2/NDF: 40.1/20

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.176+/-0.107 χ^2/NDF: 52.1/25

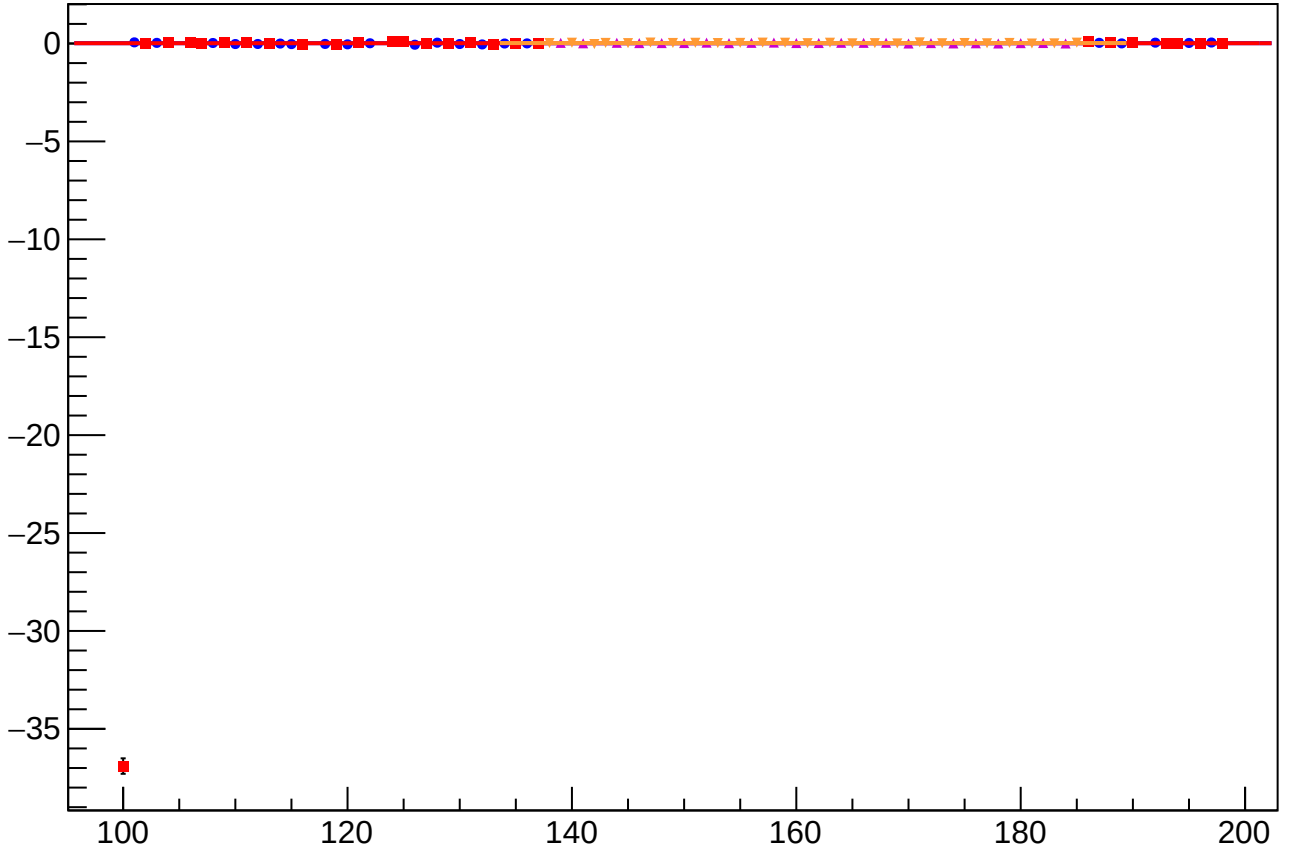
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.133+/-0.058 χ^2/NDF: 69.2/45

All: 0.168+/-0.041 χ^2/NDF: 177.2/94

- sign 0.204+/-0.058 χ^2/NDF: 107.3/48

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.016+/-0.006 χ^2/NDF: 24.8/20

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8775.7/25

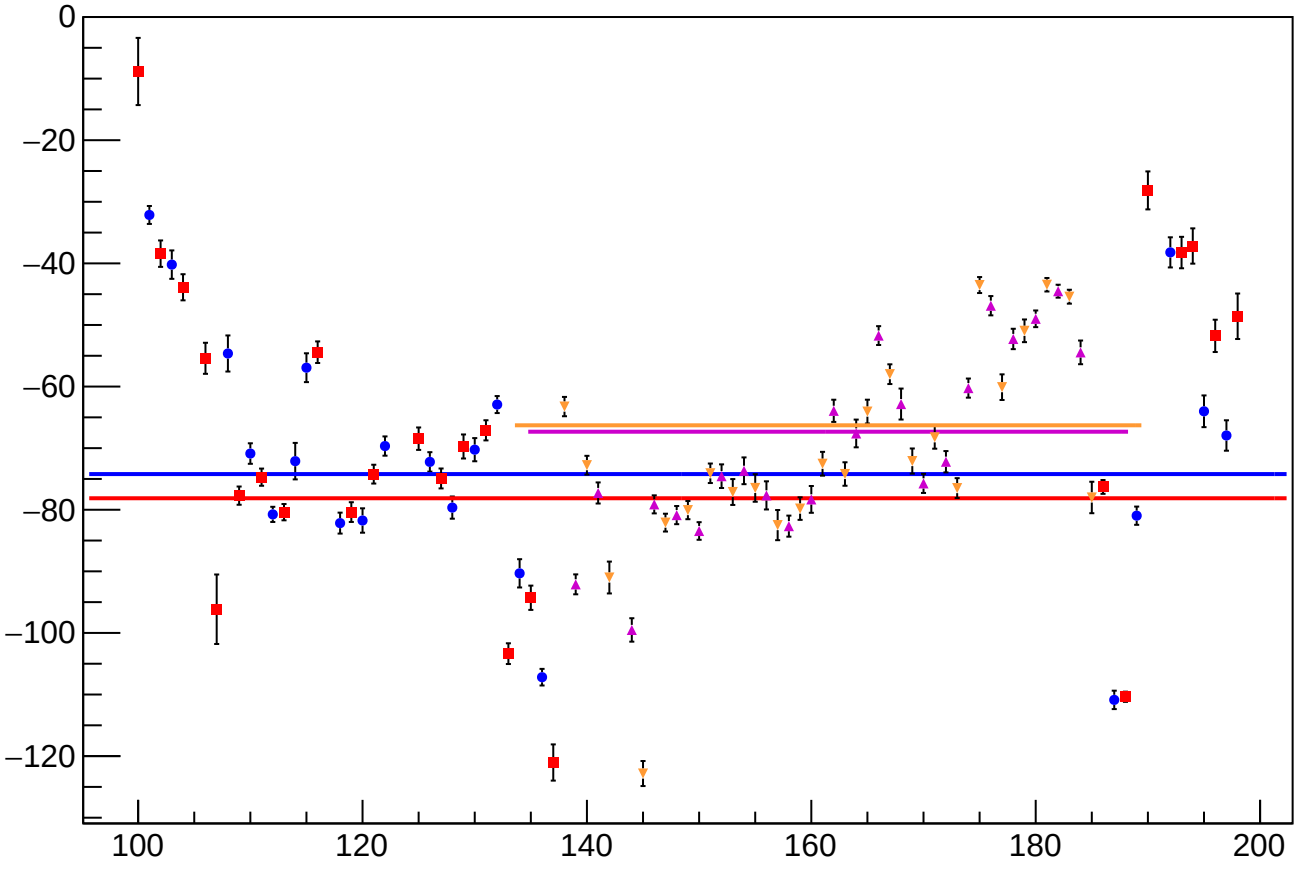
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.022+/-0.003 χ^2/NDF: 56.5/45

All: 0.022+/-0.002 χ^2/NDF: 8852.5/94

- sign 0.022+/-0.003 χ^2/NDF: 8796.0/48

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -74.209+/-0.385 χ^2/NDF: 2818.9/20

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -78.135+/-0.348 χ^2/NDF: 4052.9/24

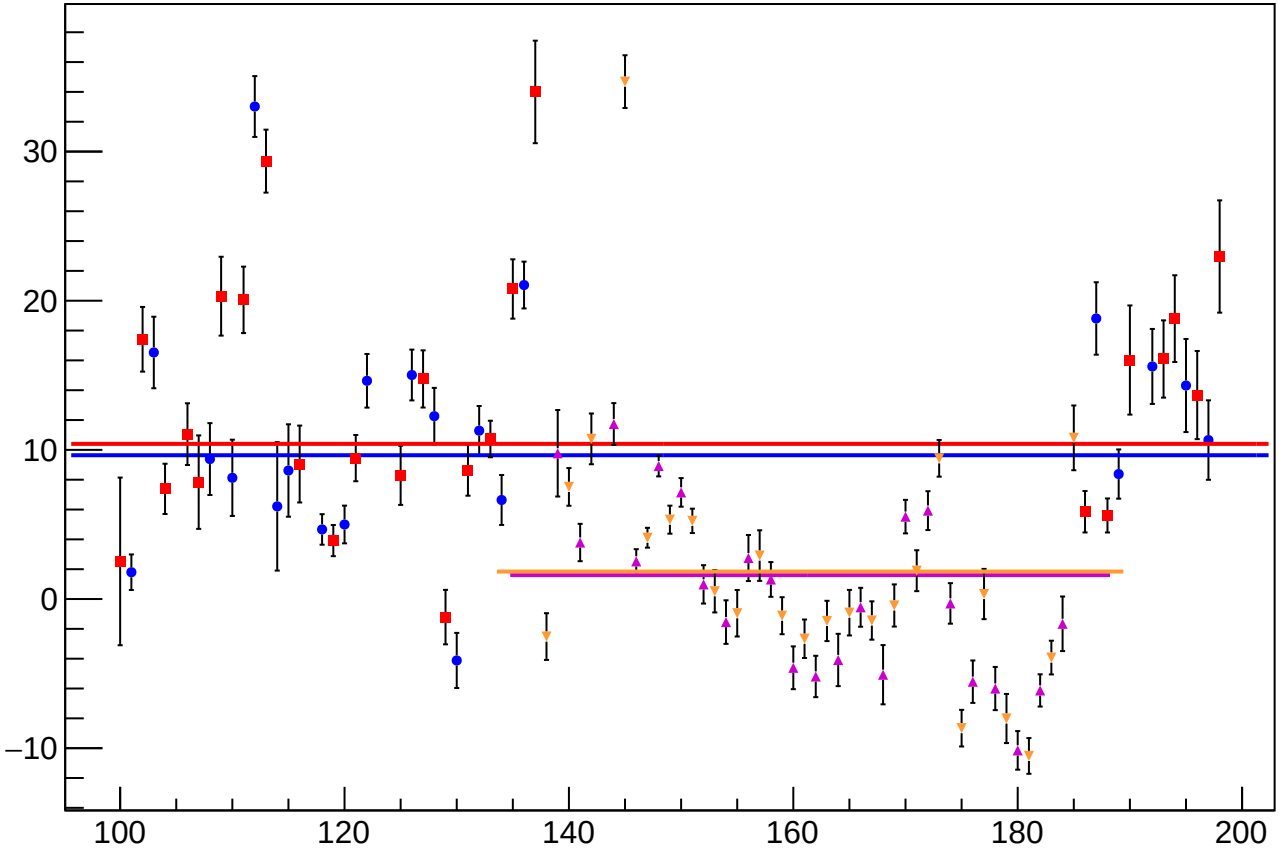
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.802+/-0.256 χ^2/NDF: 5604.7/44

All: -71.308+/-0.177 χ^2/NDF: 12311.9/92

- sign -72.685+/-0.245 χ^2/NDF: 6641.2/47

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.640+/-0.393 χ^2/NDF: 376.2/20

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.402+/-0.379 χ^2/NDF: 347.8/24

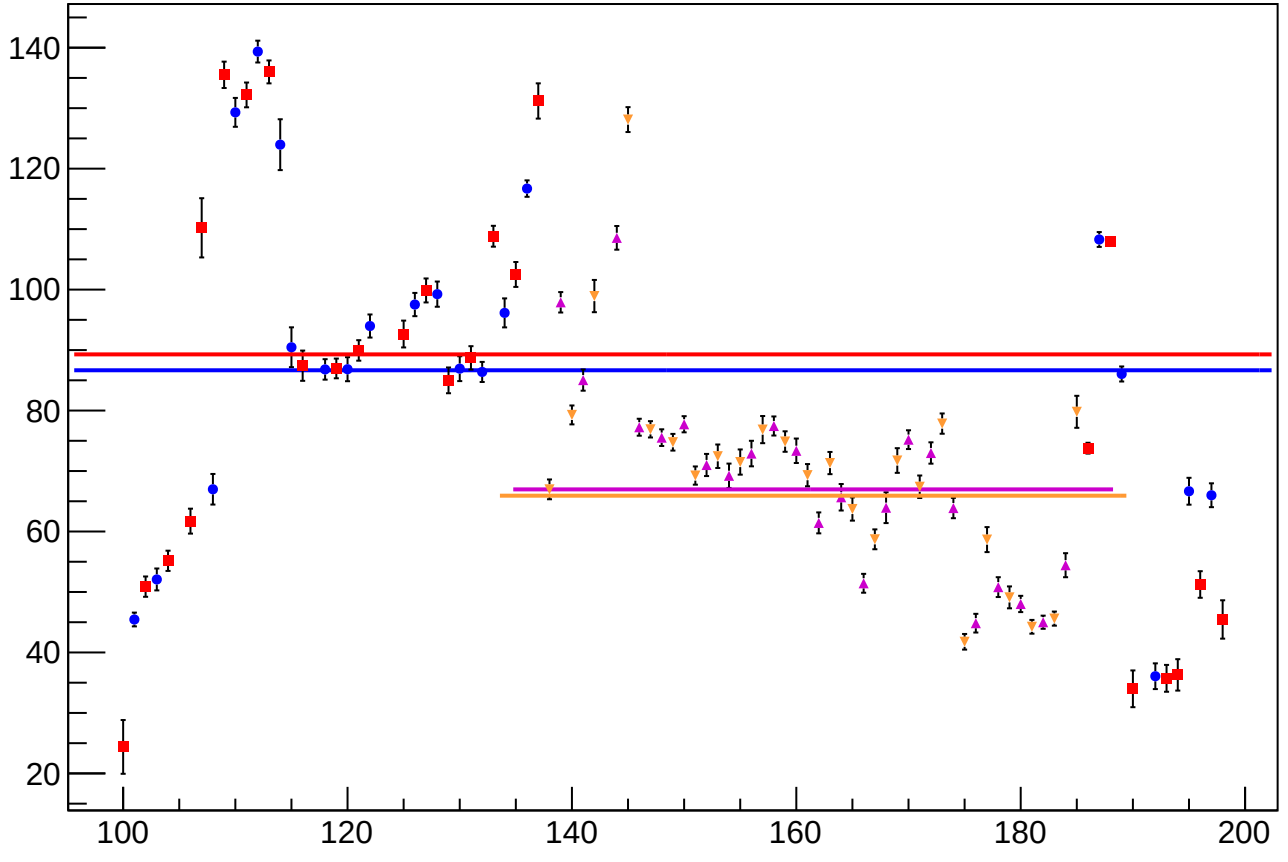
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 4.145+/-0.214 χ^2/NDF: 1435.0/44

All: 4.273+/-0.151 χ^2/NDF: 2648.5/92

\- sign 4.401+/-0.213 χ^2/NDF: 1212.7/47

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 86.660+/-0.391 χ^2/NDF: 4637.7/20

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 89.288+/-0.342 χ^2/NDF: 6164.3/24

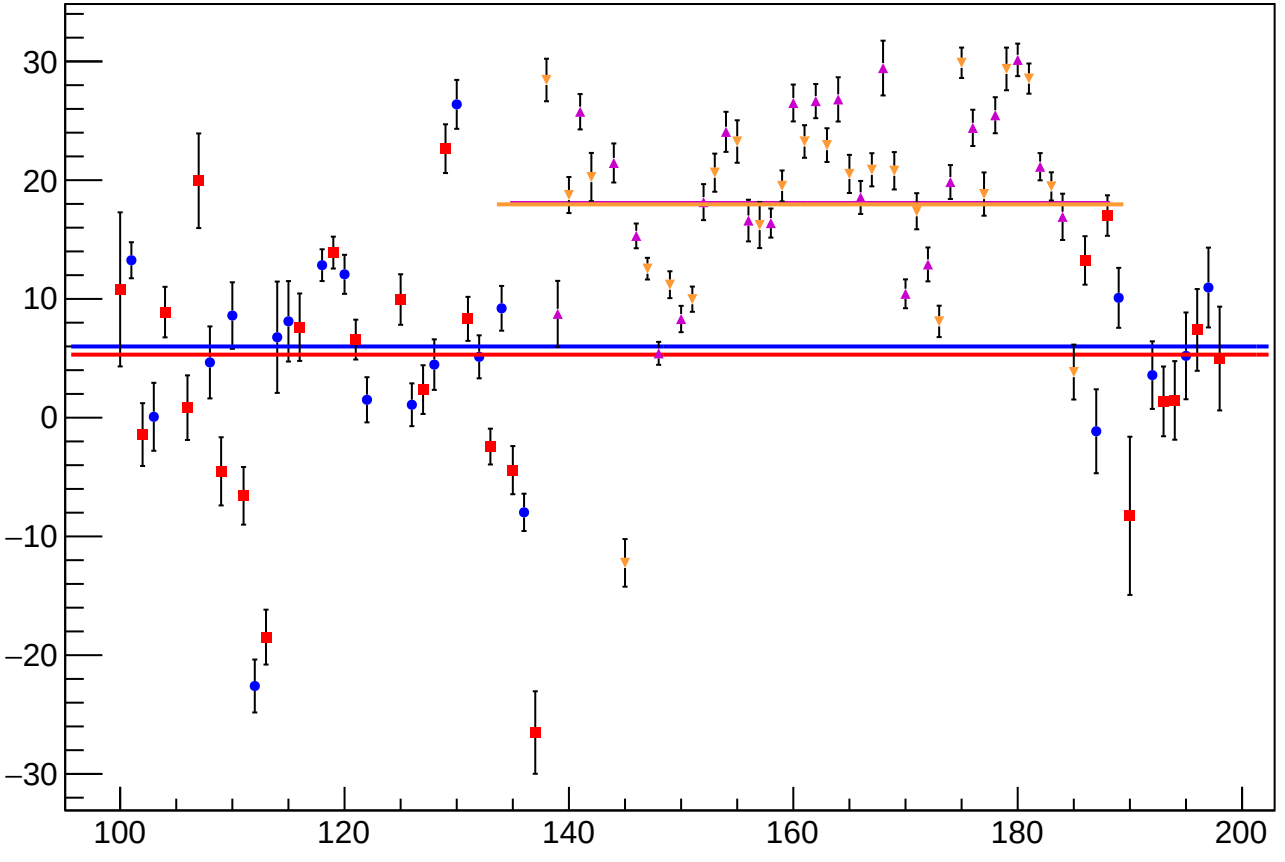
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 74.869+/-0.257 χ^2/NDF: 8793.4/44

All: 76.586+/-0.176 χ^2/NDF: 19399.5/92

- sign 78.105+/-0.241 χ^2/NDF: 10521.8/47

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.995+/-0.466 χ^2/NDF: 436.4/20

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.308+/-0.456 χ^2/NDF: 494.0/24

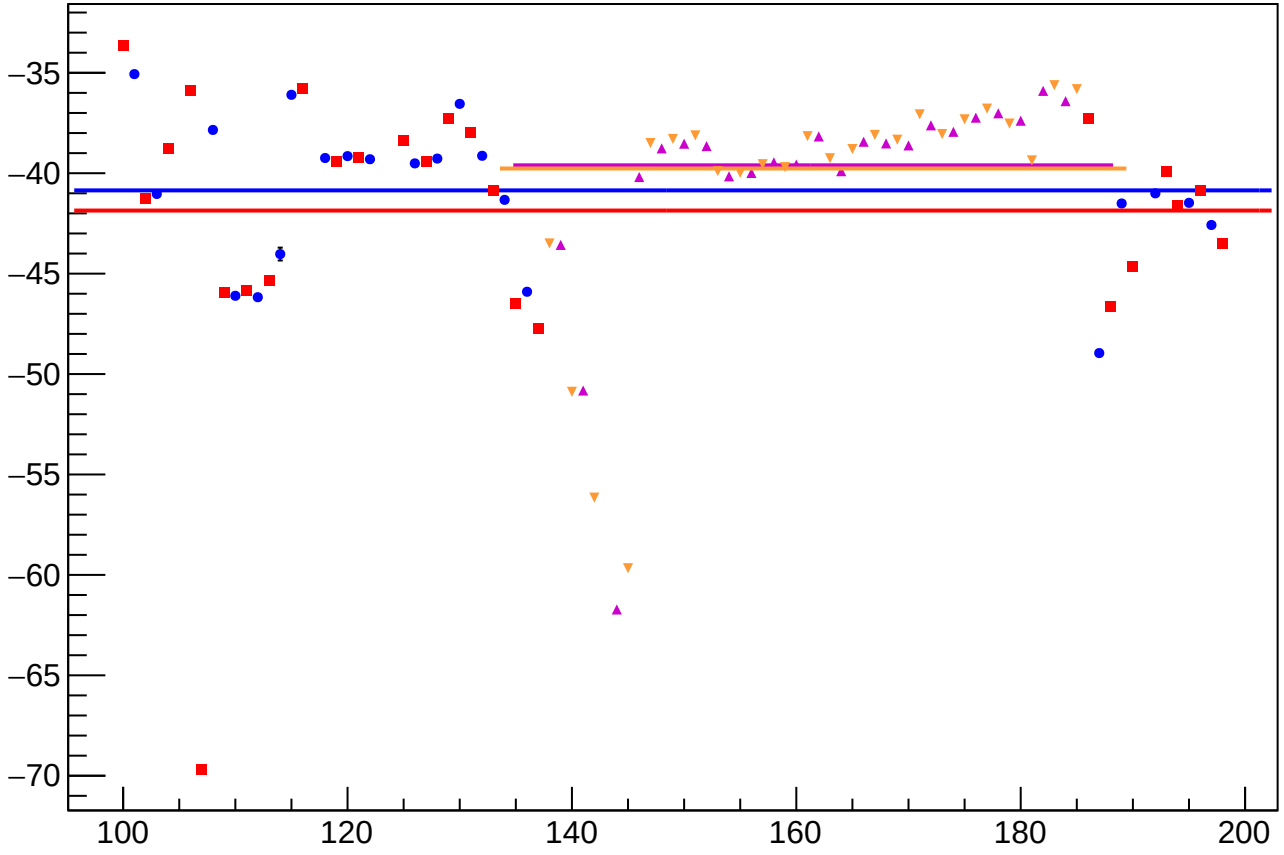
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.587+/-0.247 χ^2/NDF: 1642.6/44

All: 14.453+/-0.175 χ^2/NDF: 3294.7/92

- sign 14.319+/-0.248 χ^2/NDF: 1651.5/47

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.855+/-0.025 χ^2/NDF: 20266.4/20

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.859+/-0.024 χ^2/NDF: 41622.2/24

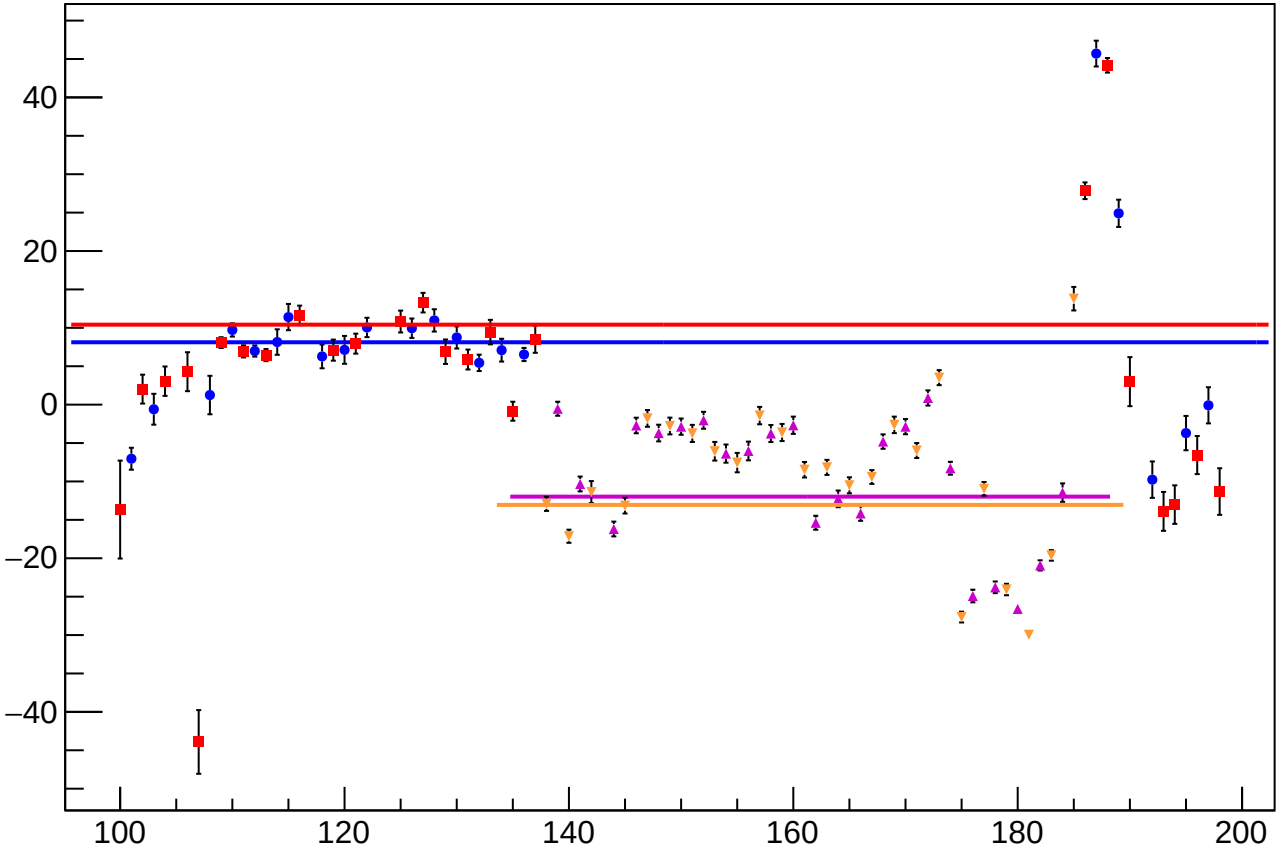
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -40.014+/-0.012 χ^2/NDF: 151653.9/44

All: -40.078+/-0.008 χ^2/NDF: 306696.1/92

- sign -40.140+/-0.012 χ^2/NDF: 154984.5/47

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.120+/-0.293 χ^2/NDF: 855.3/20

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 10.413+/-0.268 χ^2/NDF: 2201.4/24

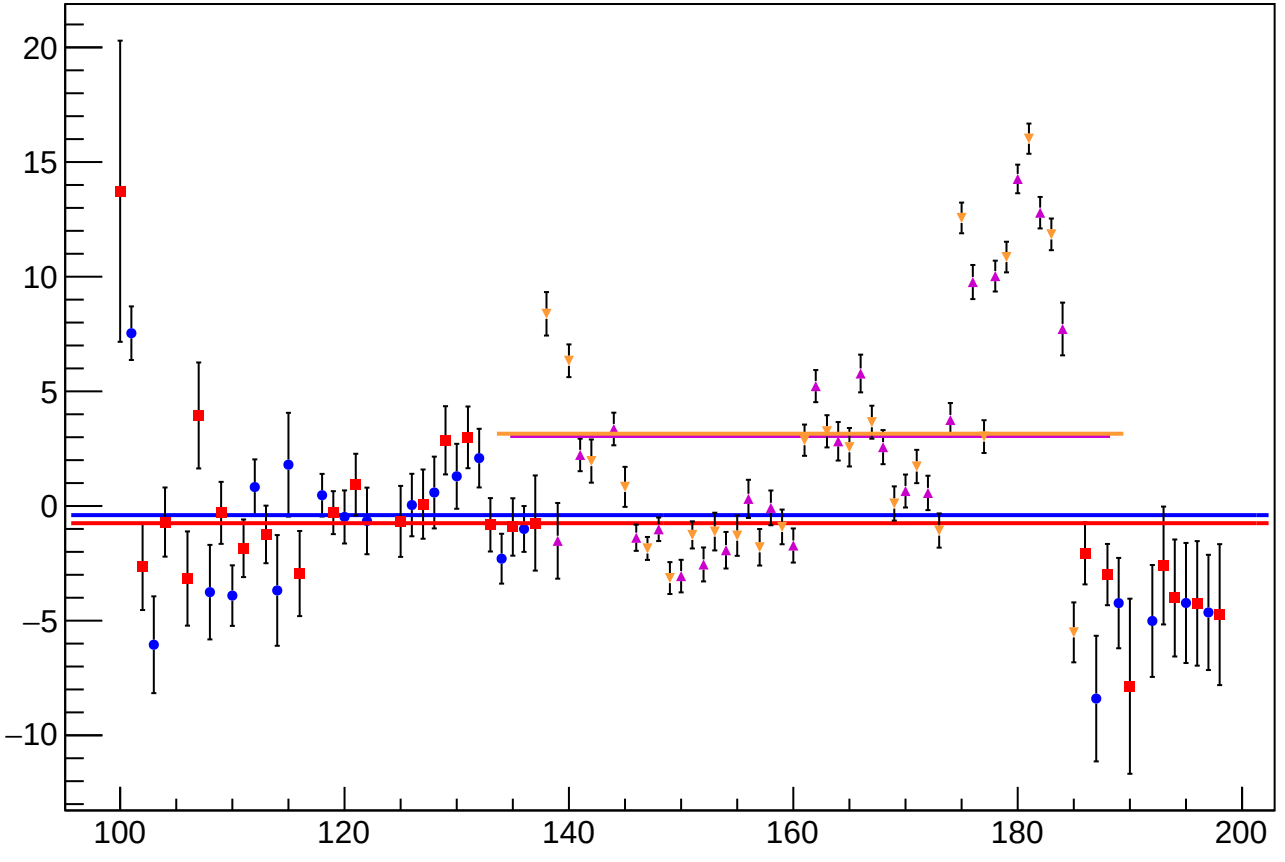
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.643+/-0.161 χ^2/NDF: 7376.4/44

All: -5.407+/-0.113 χ^2/NDF: 16418.7/92

- sign -4.216+/-0.158 χ^2/NDF: 8926.4/47

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.398+/-0.317 χ^2/NDF: 97.7/20

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.749+/-0.314 χ^2/NDF: 42.3/24

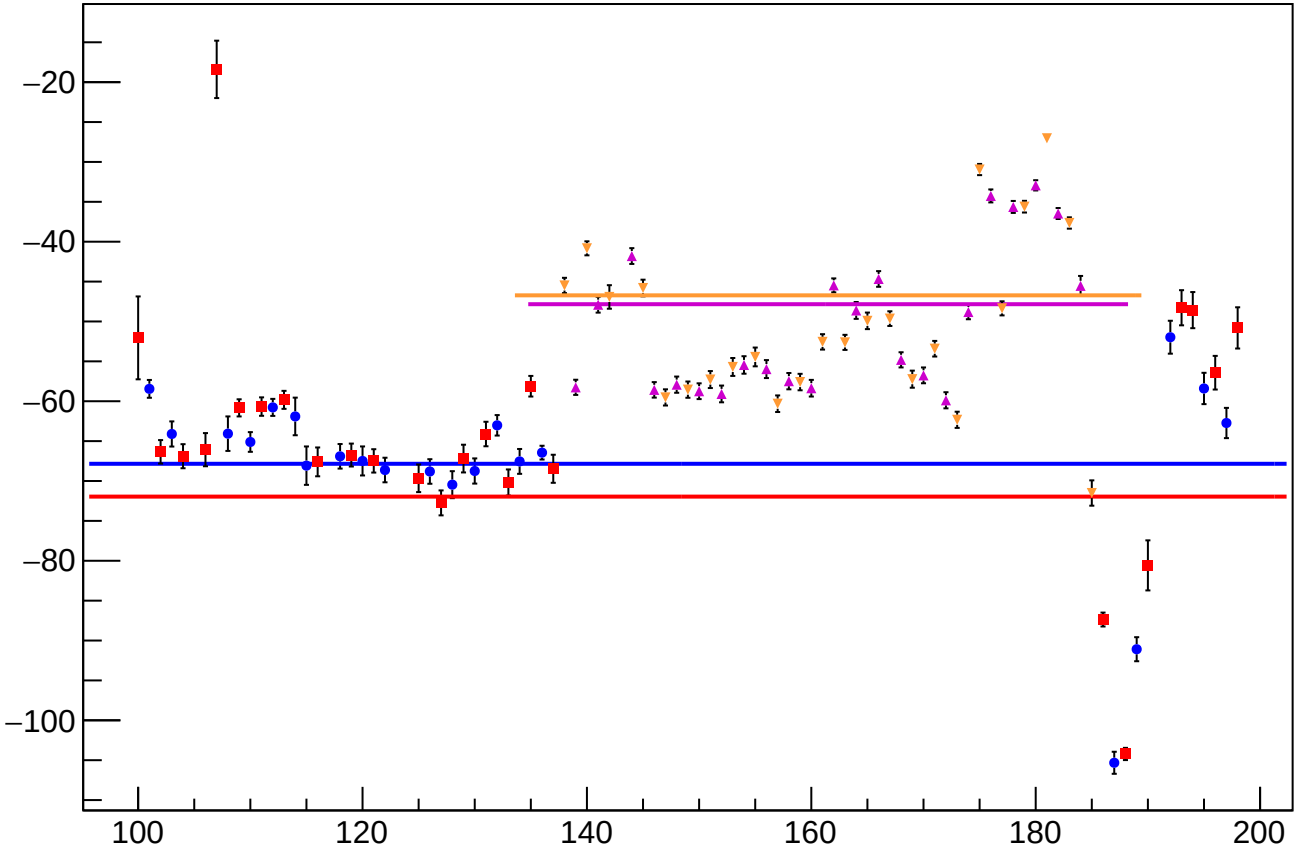
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.509+/-0.135 χ^2/NDF: 1585.6/44

All: 2.422+/-0.096 χ^2/NDF: 2892.8/92

- sign 2.332+/-0.137 χ^2/NDF: 1306.4/47

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -67.842+/-0.321 χ^2/NDF: 1218.7/20

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -71.956+/-0.294 χ^2/NDF: 3209.1/24

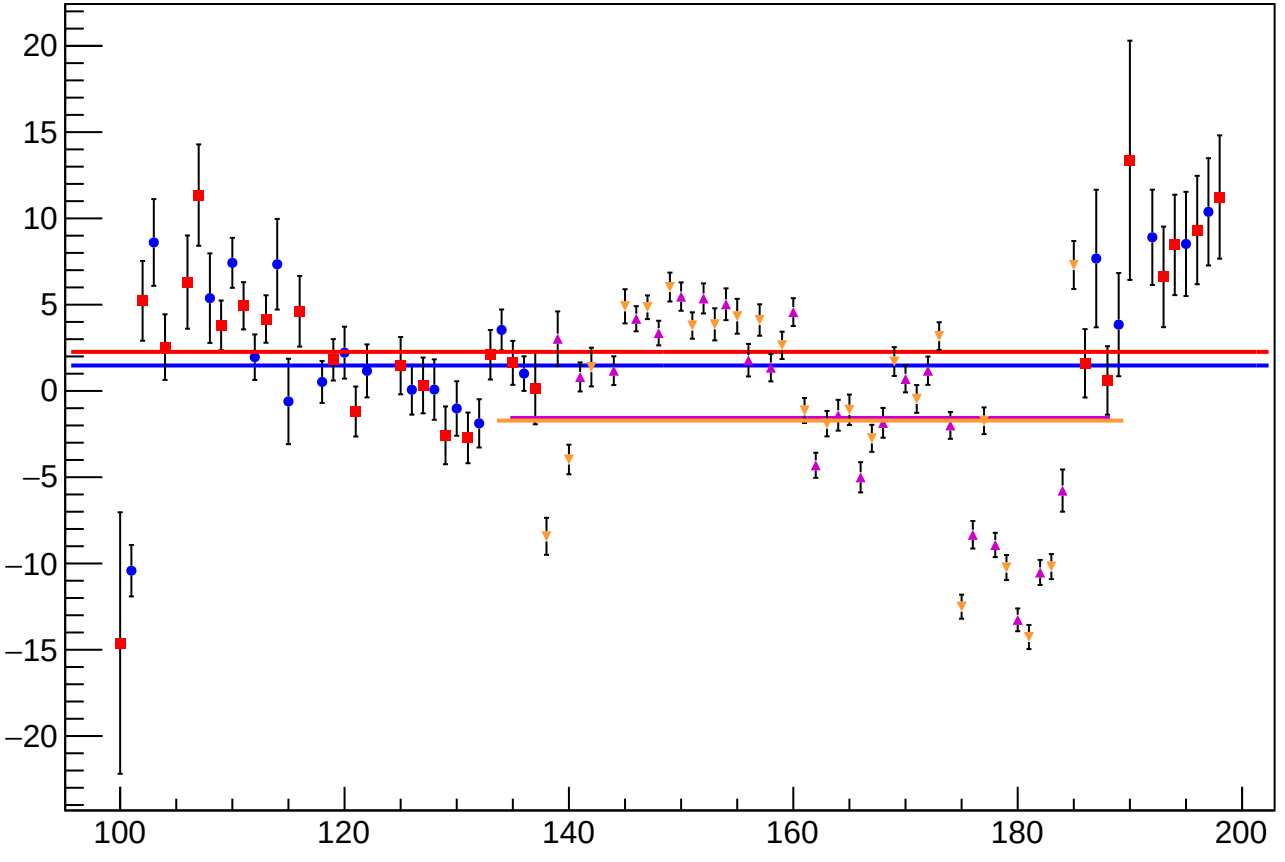
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.274+/-0.164 χ^2/NDF: 7859.2/44

All: -53.738+/-0.115 χ^2/NDF: 18480.6/92

- sign -55.155+/-0.162 χ^2/NDF: 10465.5/47

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.475+/-0.363 χ^2/NDF: 134.7/20

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.264+/-0.364 χ^2/NDF: 76.8/24

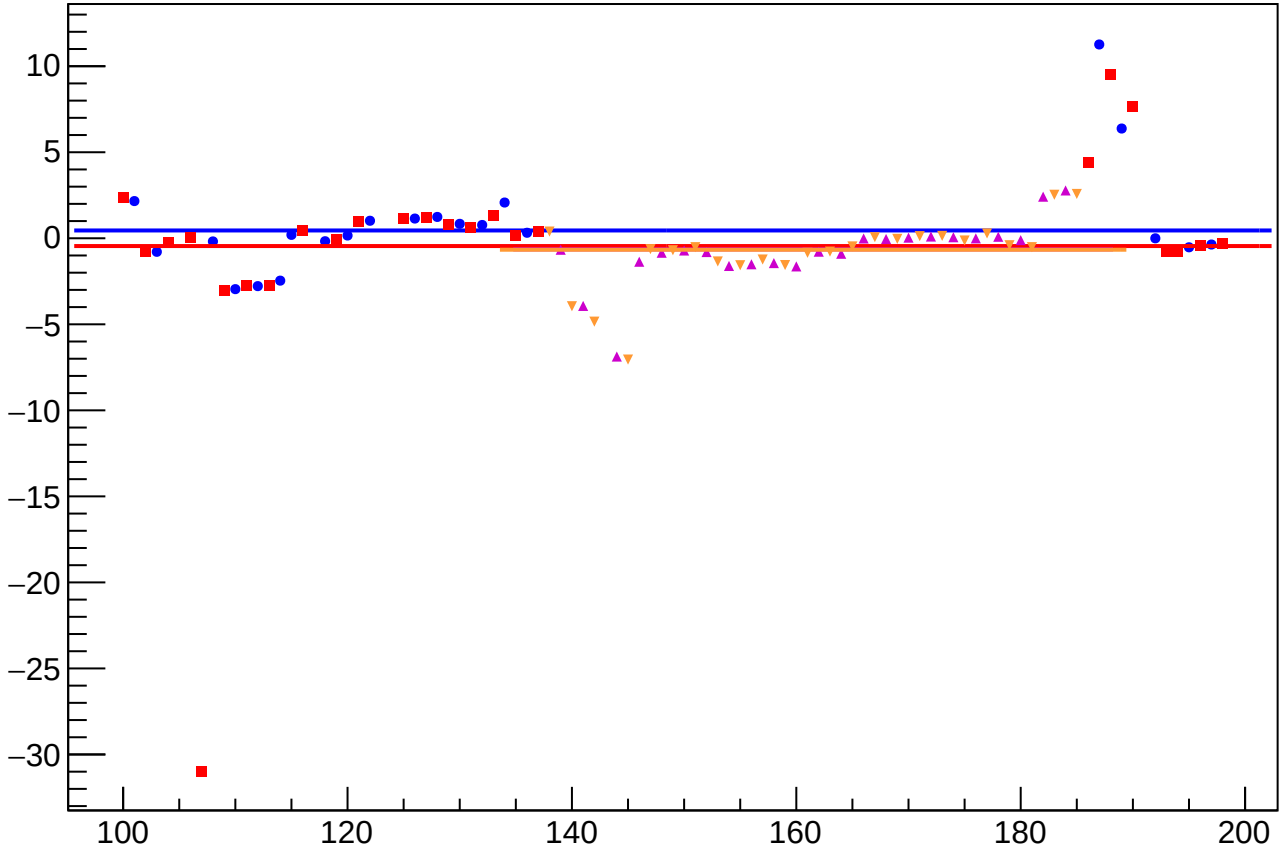
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.155+/-0.152 χ^2/NDF: 1604.7/44

All: -1.018+/-0.108 χ^2/NDF: 2891.5/92

- sign -0.878+/-0.155 χ^2/NDF: 1285.1/47

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.454+/-0.019 χ^2/NDF: 9615.2/20

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.452+/-0.019 χ^2/NDF: 59941.1/24

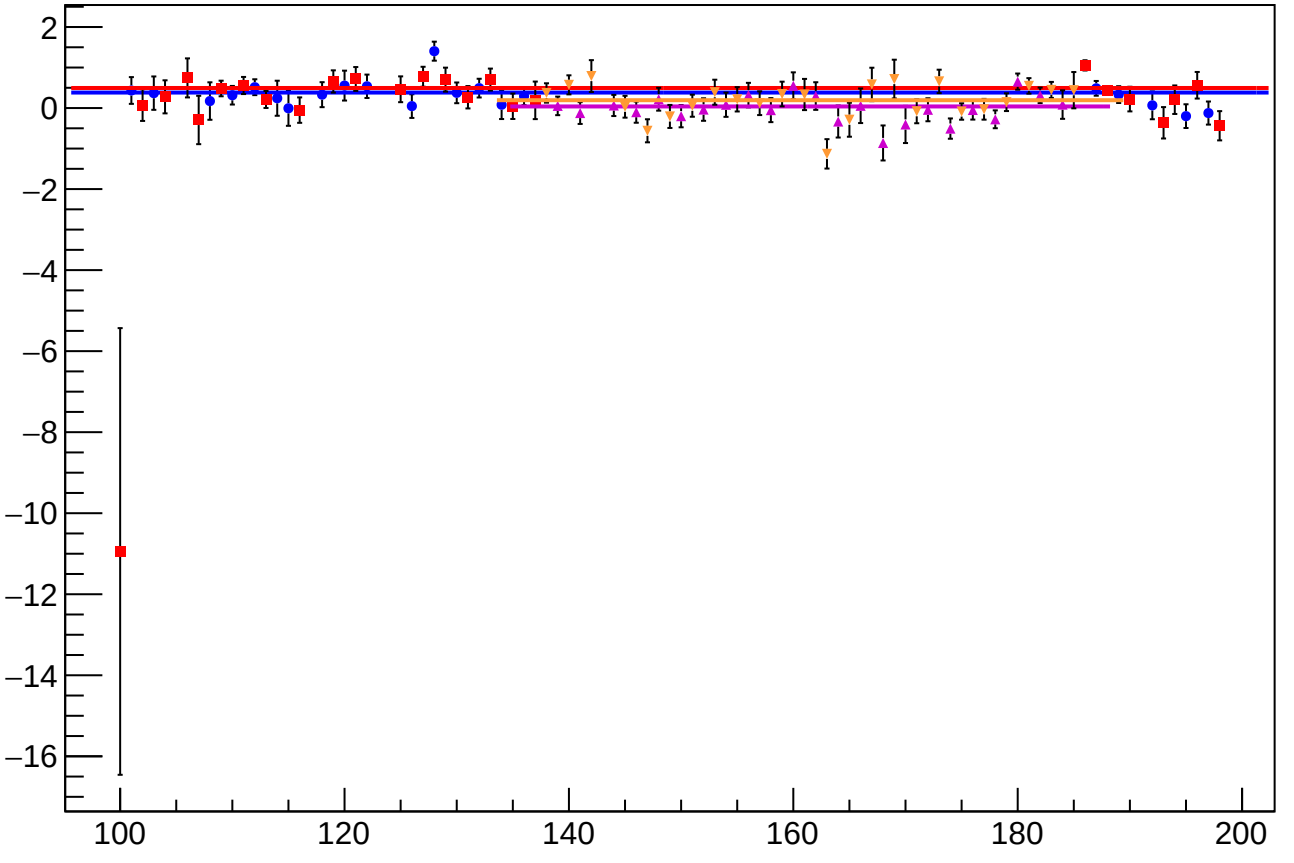
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.519+/-0.007 χ^2/NDF: 67810.7/44

All: -0.569+/-0.005 χ^2/NDF: 173514.1/92

- sign -0.621+/-0.007 χ^2/NDF: 105597.5/47

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.059 χ^2/NDF: 31.9/20

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.495+/-0.050 χ^2/NDF: 52.2/24

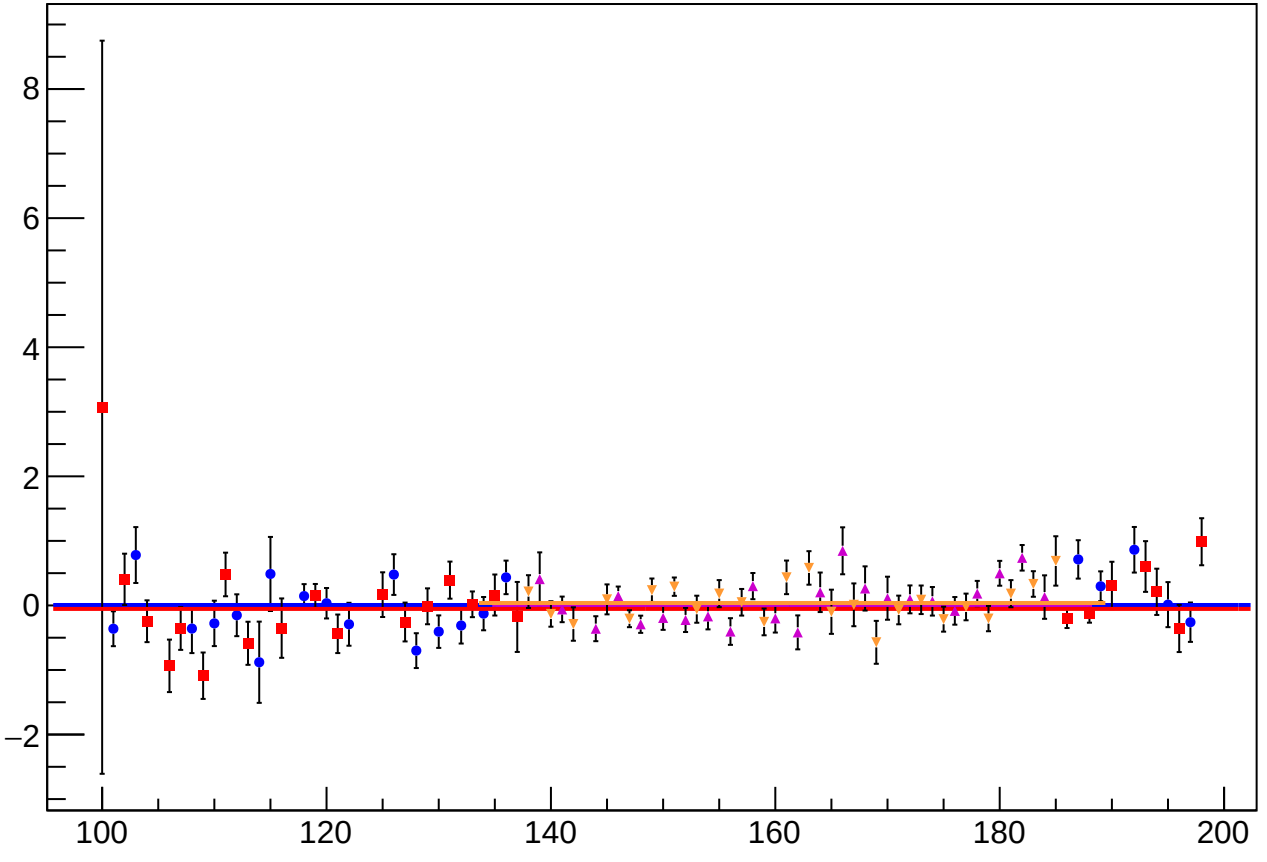
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.284+/-0.041 χ^2/NDF: 81.4/44

All: 0.293+/-0.028 χ^2/NDF: 200.1/92

- sign 0.300+/-0.038 χ^2/NDF: 118.6/47

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.007+/-0.064 χ^2/NDF: 40.8/20

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.054+/-0.057 χ^2/NDF: 42.2/24

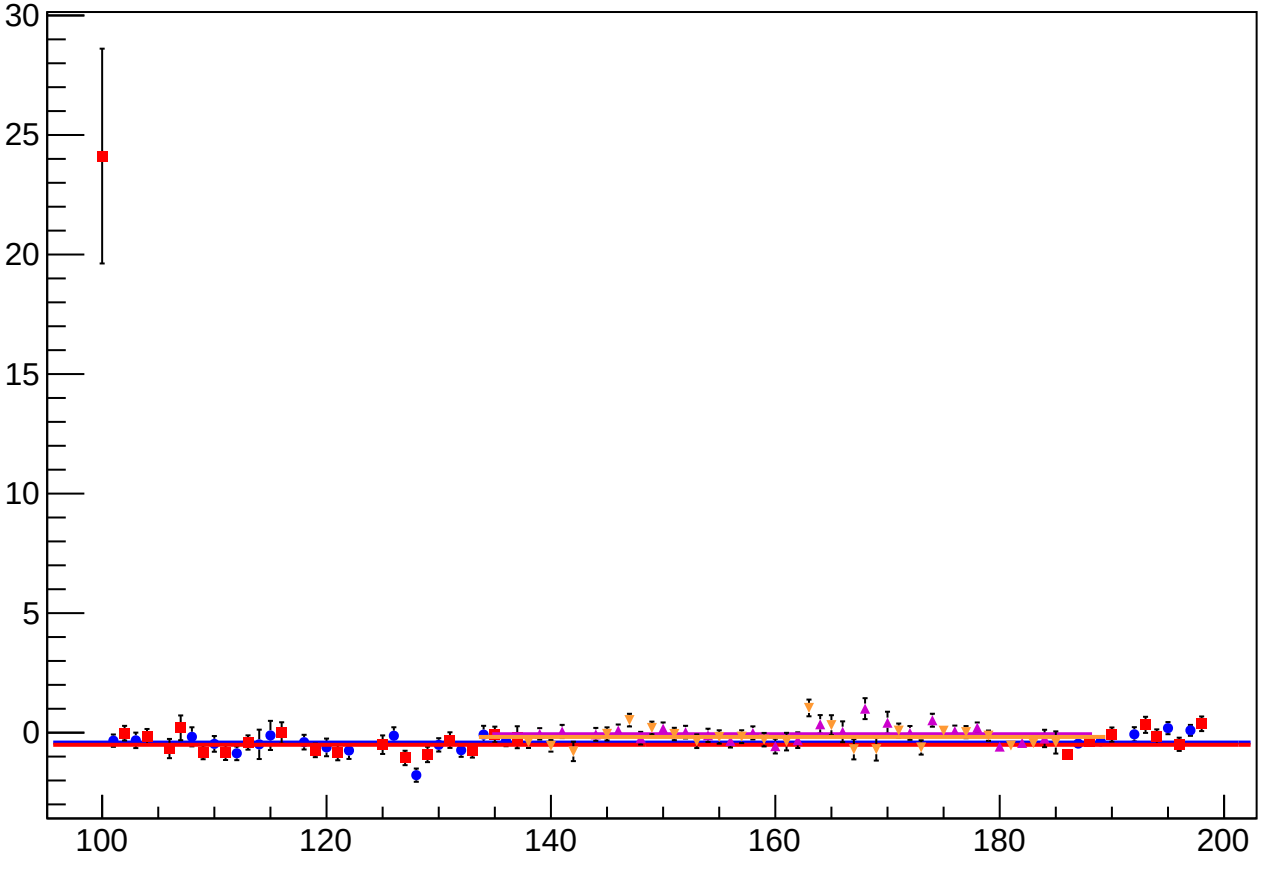
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.028+/-0.036 χ^2/NDF: 73.8/44

All: 0.006+/-0.025 χ^2/NDF: 168.9/92

- sign -0.015+/-0.035 χ^2/NDF: 94.4/47

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.414+/-0.060 χ^2/NDF: 43.8/20

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.507+/-0.047 χ^2/NDF: 83.4/24

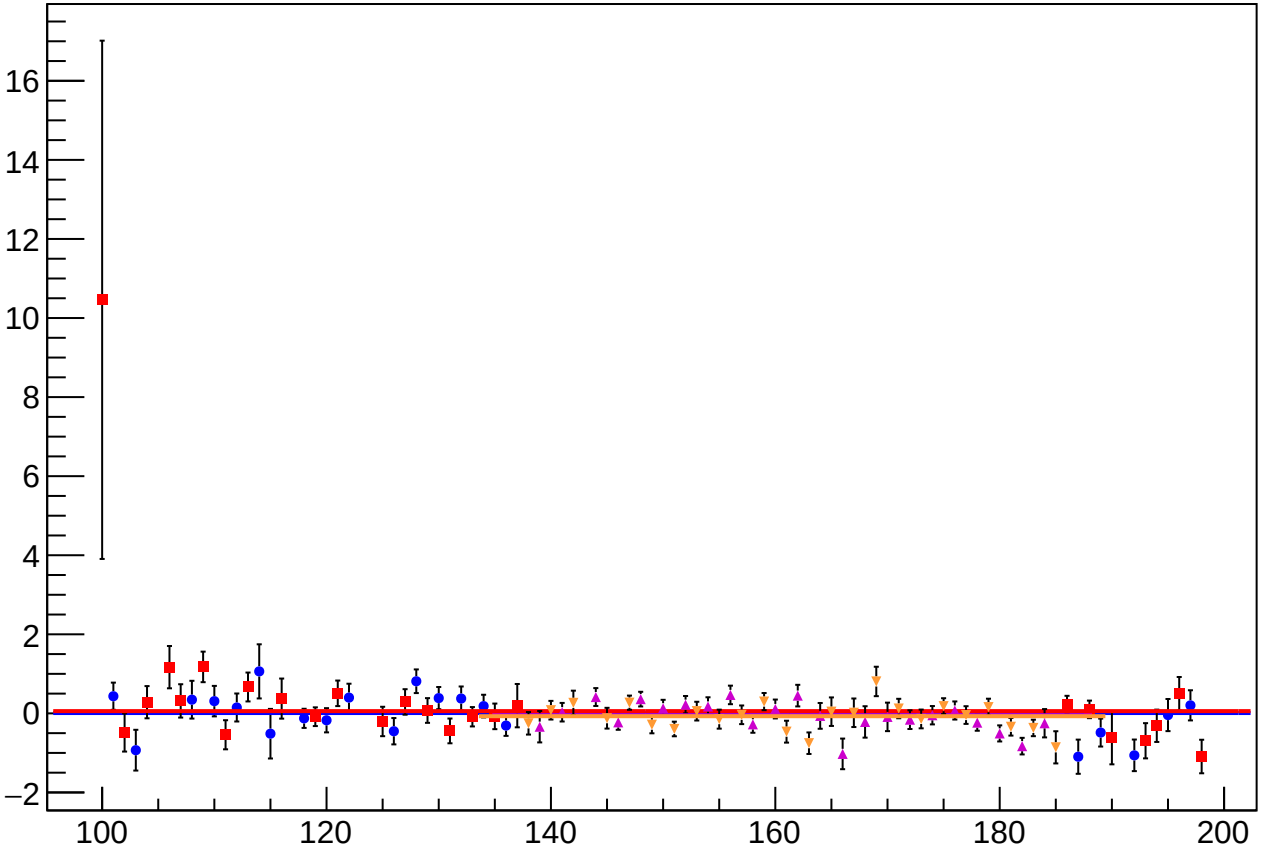
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.289+/-0.041 χ^2/NDF: 94.2/44

All: -0.310+/-0.027 χ^2/NDF: 245.0/92

- sign -0.327+/-0.036 χ^2/NDF: 150.4/47

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.009+/-0.076 χ^2/NDF: 41.2/20

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.057+/-0.070 χ^2/NDF: 43.0/24

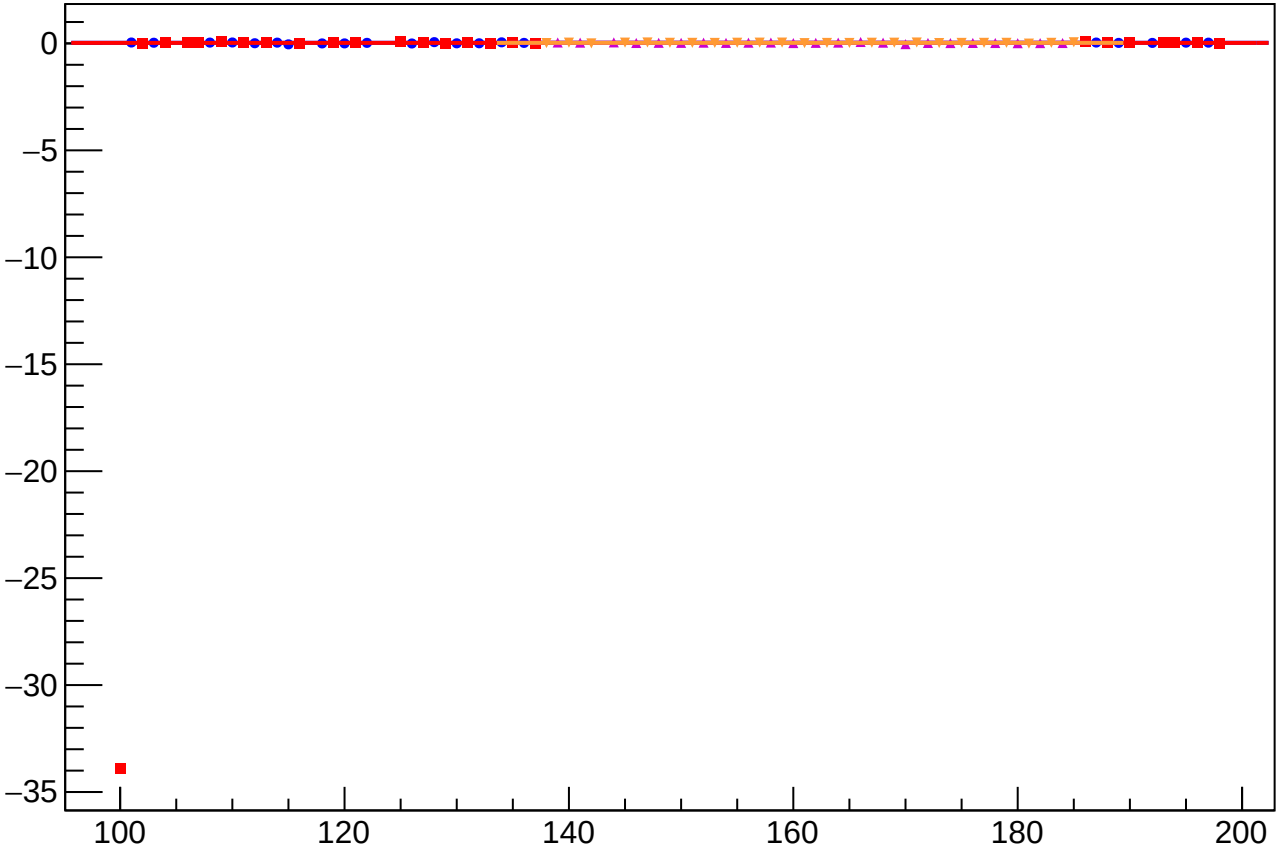
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.048+/-0.041 χ^2/NDF: 79.8/44

All: -0.030+/-0.029 χ^2/NDF: 175.1/92

- sign -0.012+/-0.041 χ^2/NDF: 94.9/47

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.029+/-0.004 χ^2/NDF: 15.8/20

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.024+/-0.004 χ^2/NDF: 22306.4/24

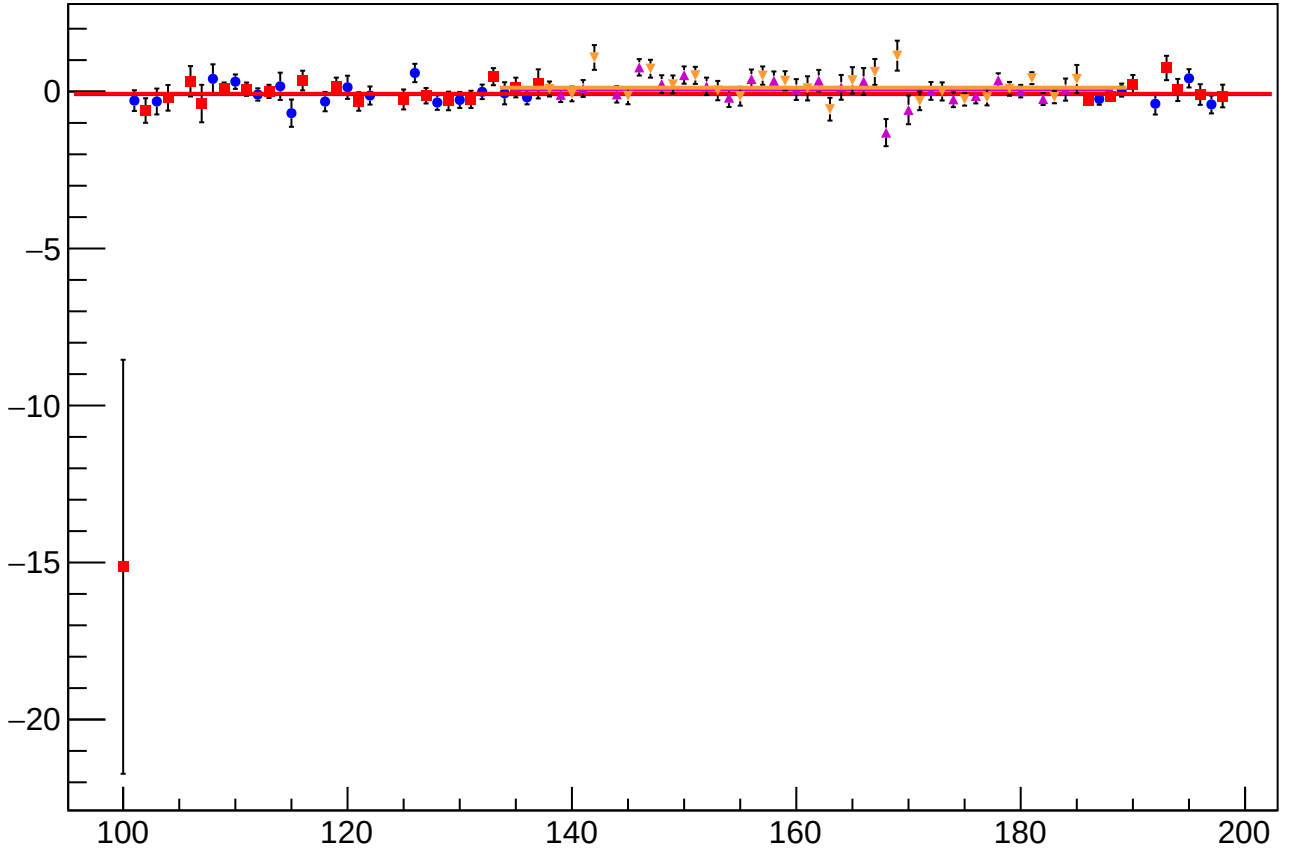
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.027+/-0.002 χ^2/NDF: 47.5/44

All: 0.026+/-0.001 χ^2/NDF: 22393.9/92

- sign 0.026+/-0.002 χ^2/NDF: 22346.3/47

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.083+/-0.059 χ^2/NDF: 21.8/20

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.073+/-0.050 χ^2/NDF: 28.5/24

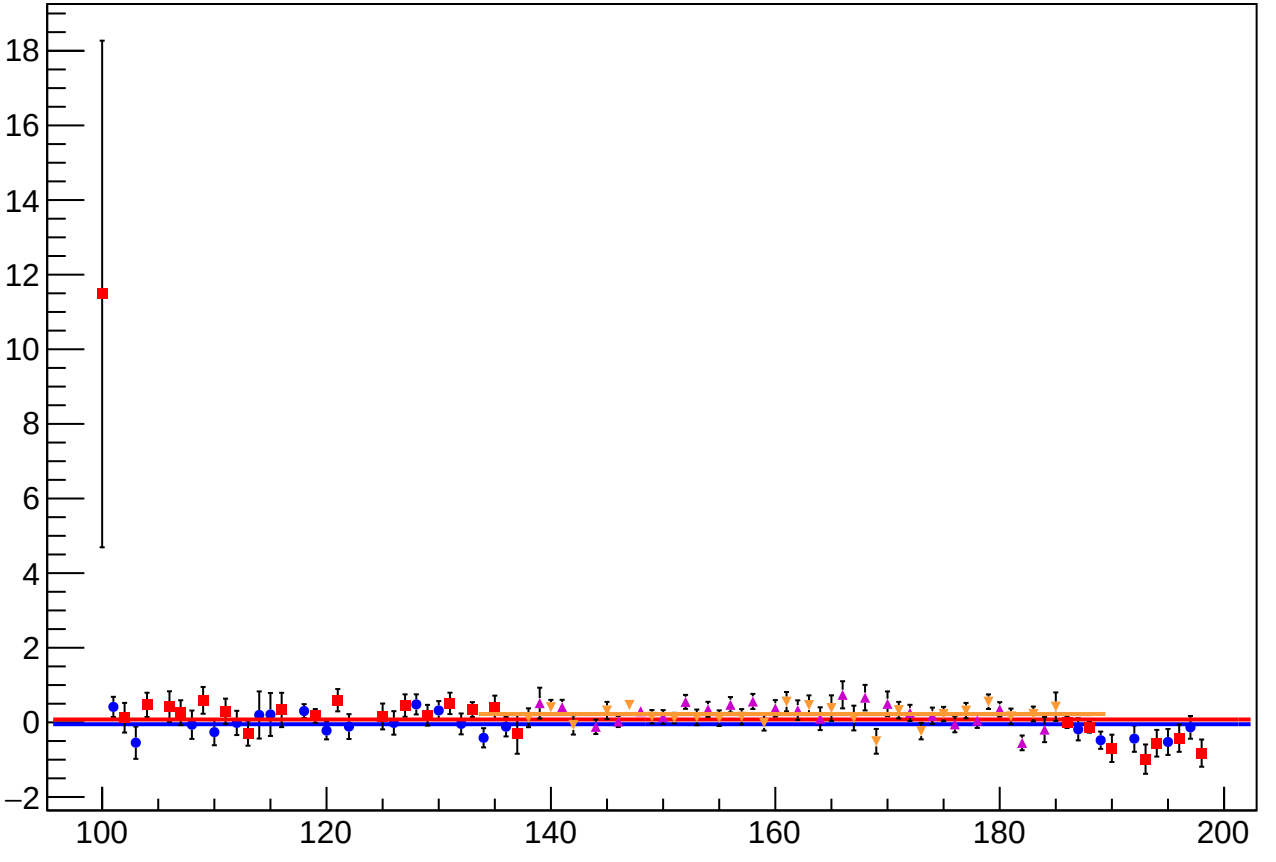
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.024+/-0.041 χ^2/NDF: 67.6/44

All: 0.003+/-0.028 χ^2/NDF: 134.1/92

- sign -0.014+/-0.038 χ^2/NDF: 66.0/47

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.050+/-0.064 χ^2/NDF: 24.1/20

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.077+/-0.057 χ^2/NDF: 44.9/24

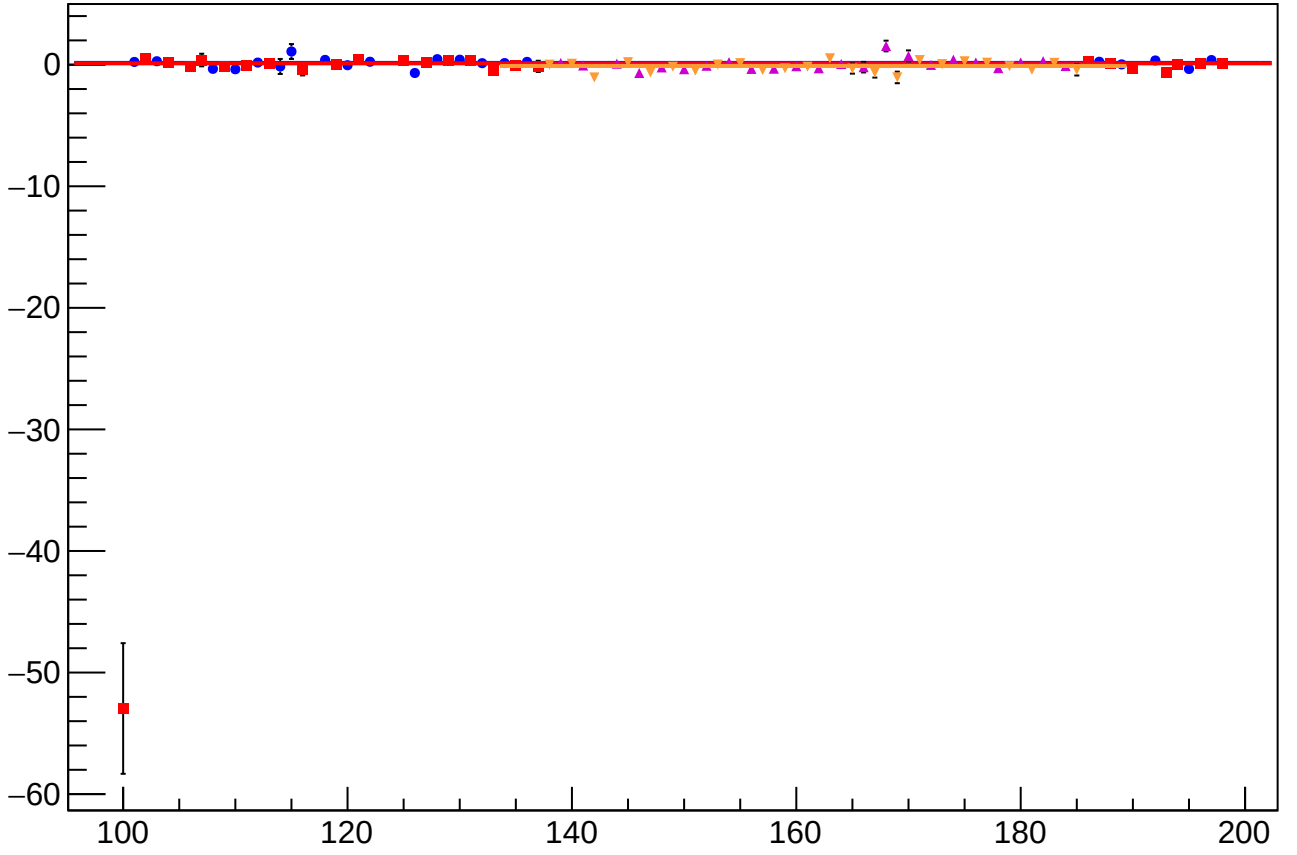
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.139+/-0.036 χ^2/NDF: 60.9/44

All: 0.153+/-0.025 χ^2/NDF: 149.4/92

- sign 0.167+/-0.035 χ^2/NDF: 88.2/47

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.148+/-0.060 χ^2/NDF: 21.9/20

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.112+/-0.047 χ^2/NDF: 118.4/24

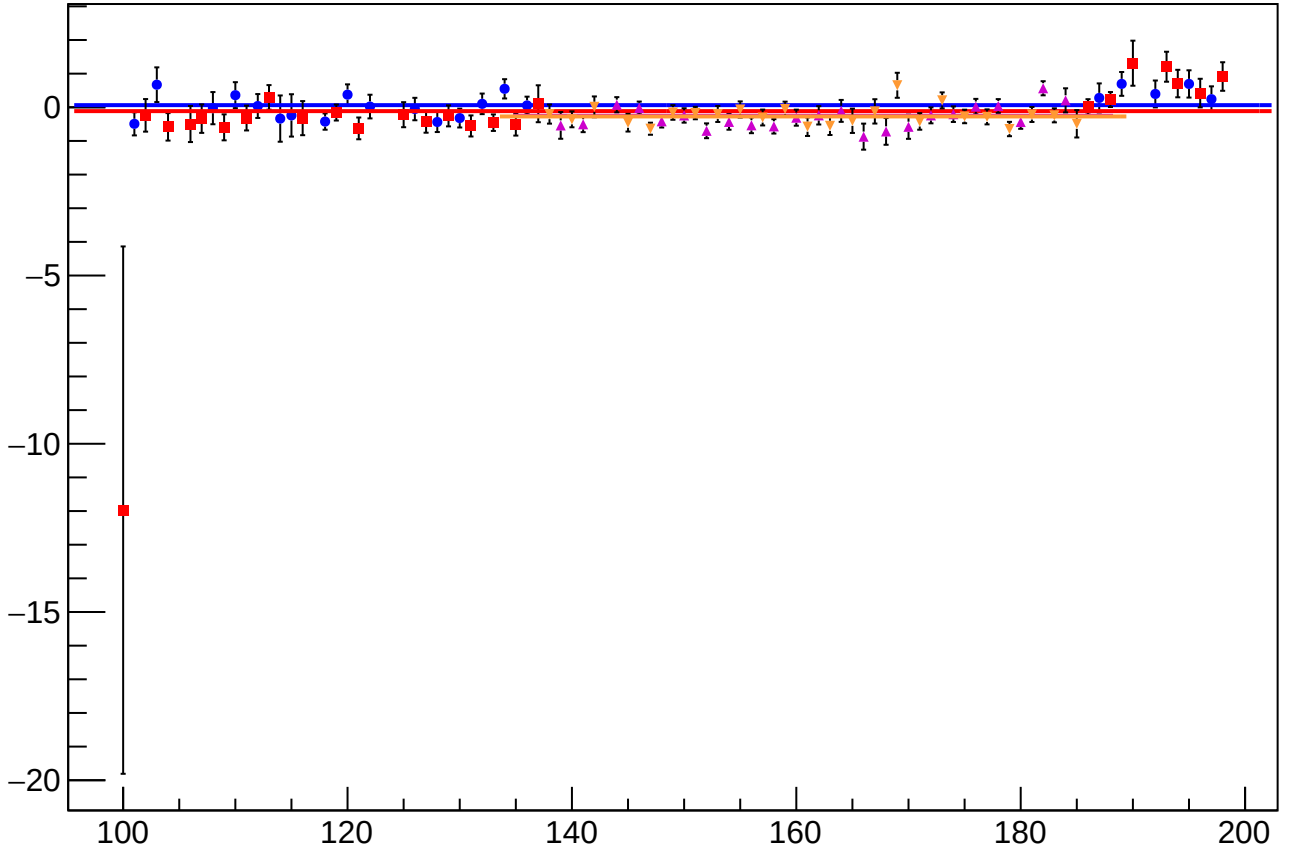
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.014+/-0.041 χ^2/NDF: 69.0/44

All: 0.041+/-0.027 χ^2/NDF: 228.8/92

- sign 0.063+/-0.036 χ^2/NDF: 159.0/47

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.064+/-0.076 χ^2/NDF: 24.8/20

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.114+/-0.070 χ^2/NDF: 44.7/24

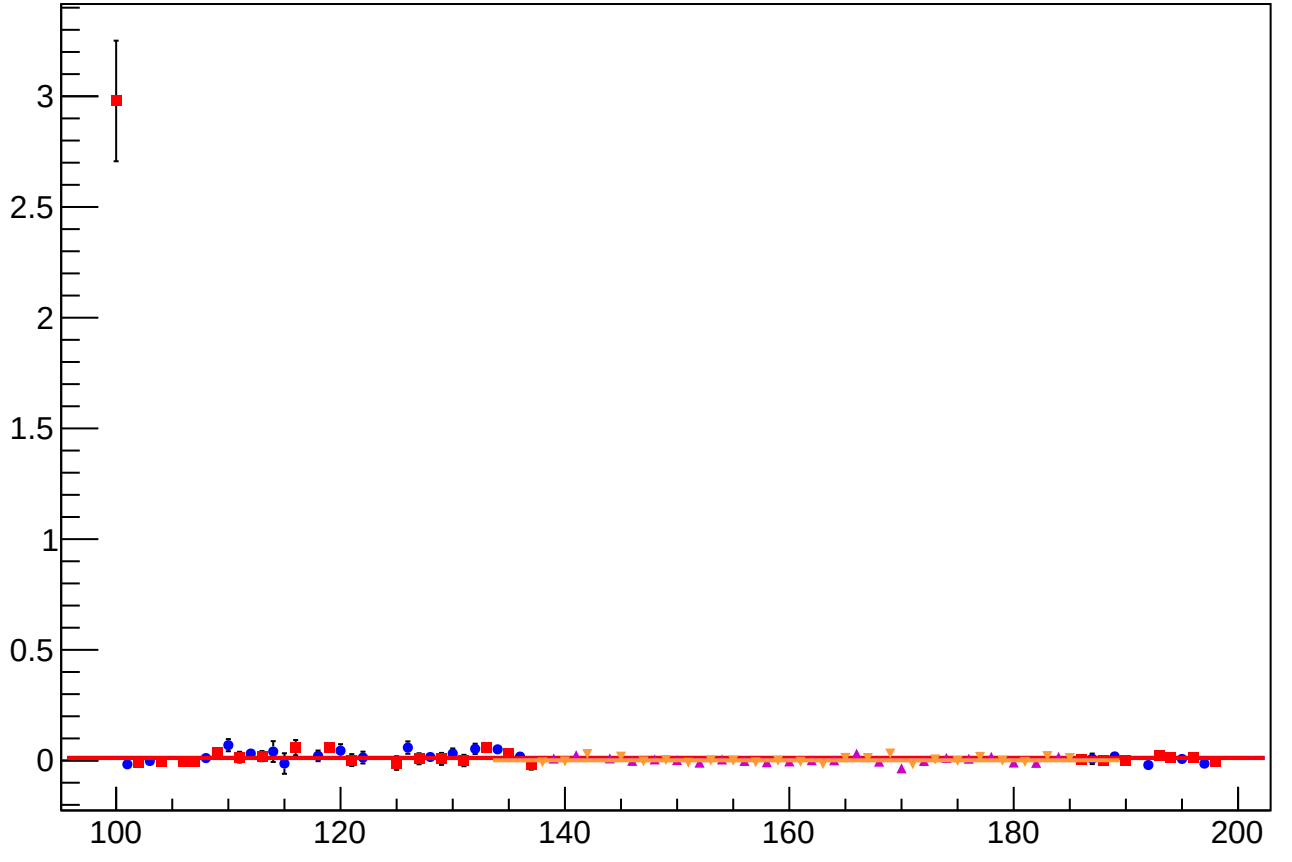
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.172+/-0.041 χ^2/NDF: 63.4/44

All: -0.189+/-0.029 χ^2/NDF: 151.7/92

- sign -0.207+/-0.041 χ^2/NDF: 87.9/47

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.004 χ^2/NDF: 36.9/20

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.011+/-0.004 χ^2/NDF: 145.2/24

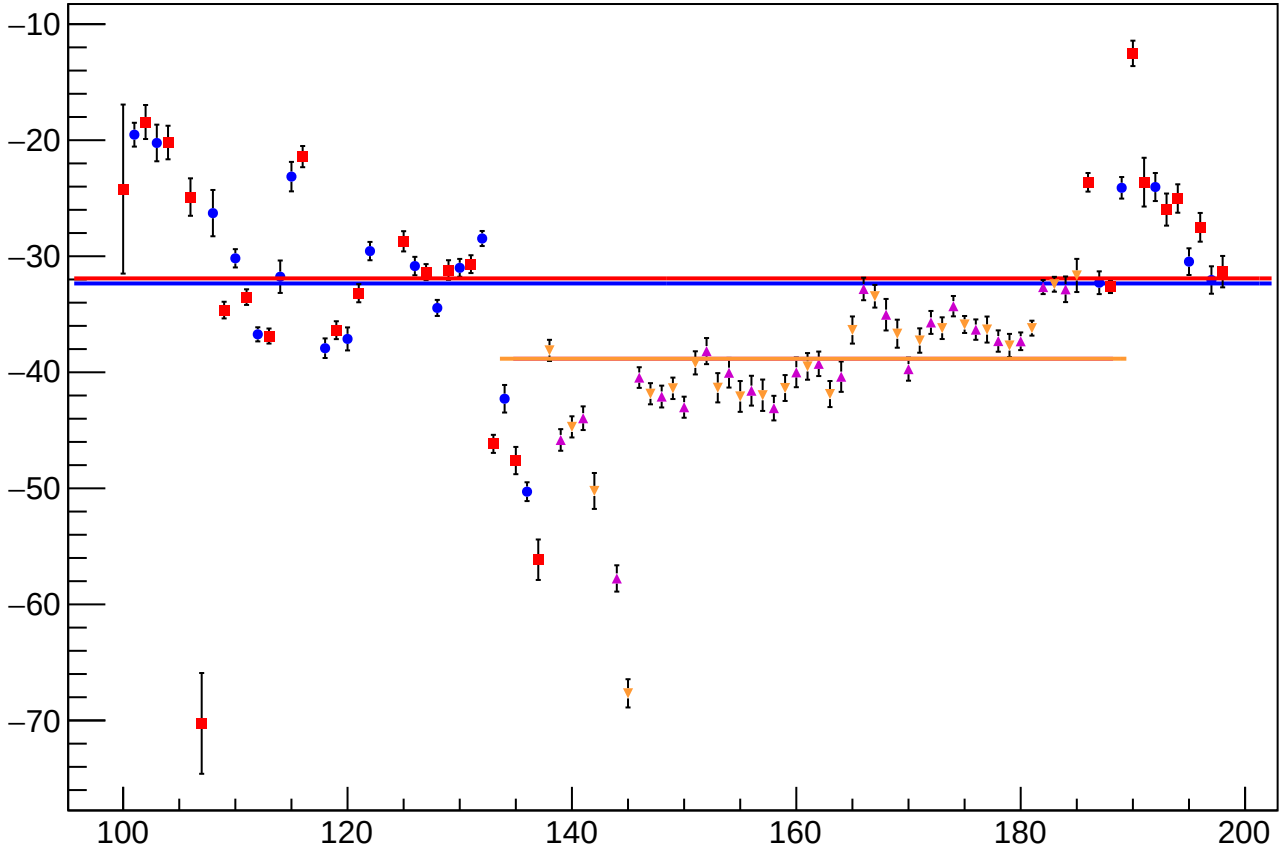
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.004+/-0.002 χ^2/NDF: 70.1/44

All: 0.004+/-0.001 χ^2/NDF: 244.7/92

- sign 0.005+/-0.002 χ^2/NDF: 174.5/47

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -32.344+/-0.198 χ^2/NDF: 1156.1/20

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.909+/-0.183 χ^2/NDF: 1720.7/25

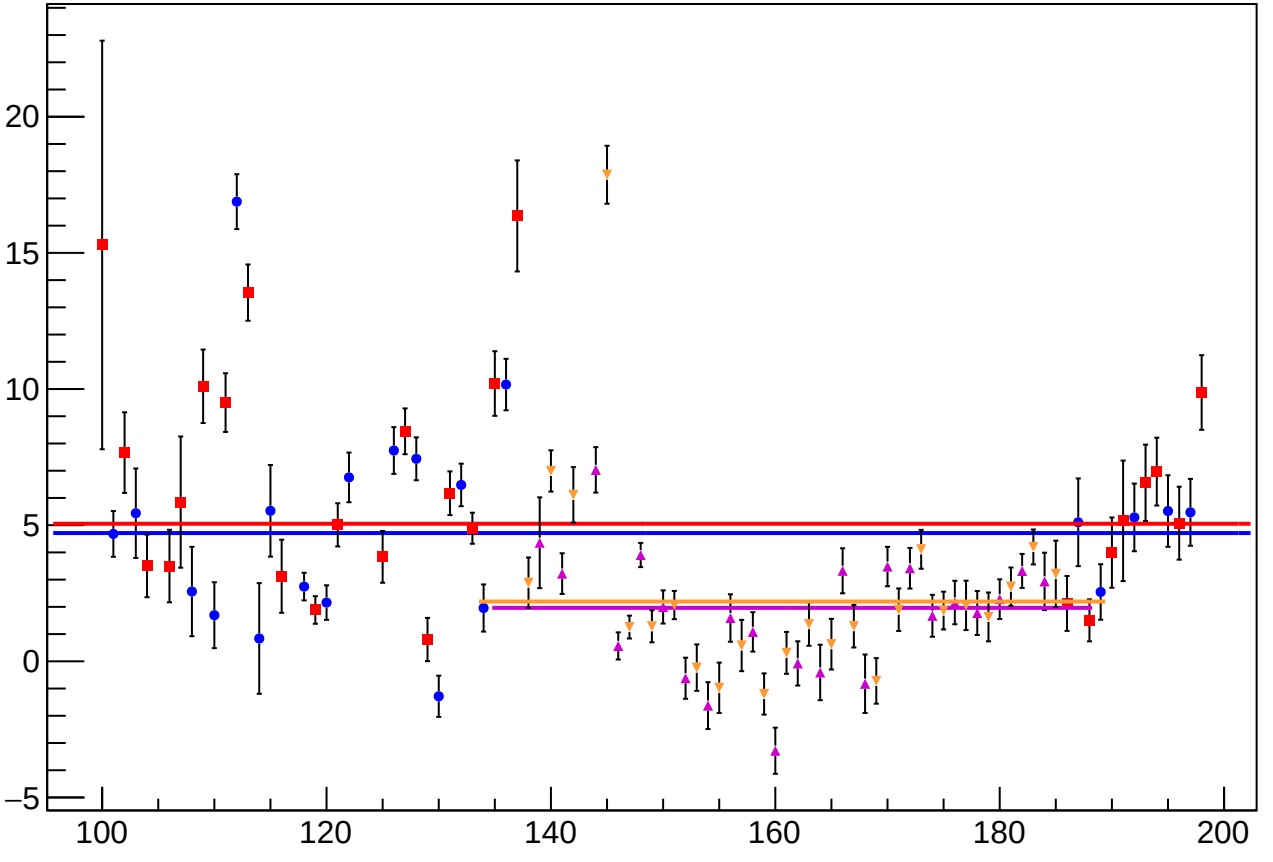
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

\+ sign -35.528+/-0.142 χ^2/NDF: 2597.5/44

All: -35.254+/-0.098 χ^2/NDF: 5621.2/93

\- sign -35.001+/-0.136 χ^2/NDF: 3016.5/48

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.710+/-0.204 χ^2/NDF: 335.1/20

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.052+/-0.197 χ^2/NDF: 292.3/25

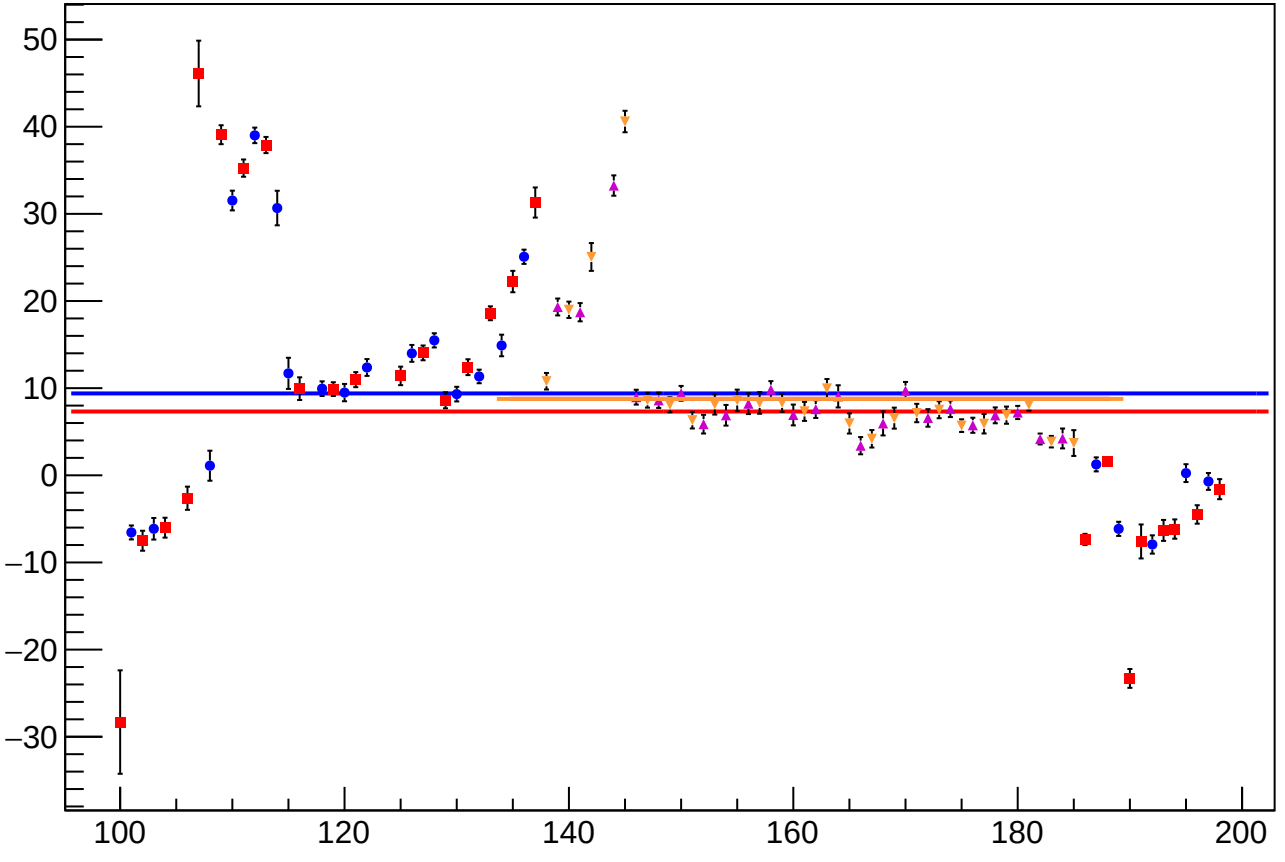
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.095+/-0.122 χ^2/NDF: 797.9/44

All: 3.118+/-0.086 χ^2/NDF: 1415.5/93

- sign 3.142+/-0.122 χ^2/NDF: 617.5/48

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 9.396+/-0.211 χ^2/NDF: 3588.8/20

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 7.320+/-0.190 χ^2/NDF: 5934.0/25

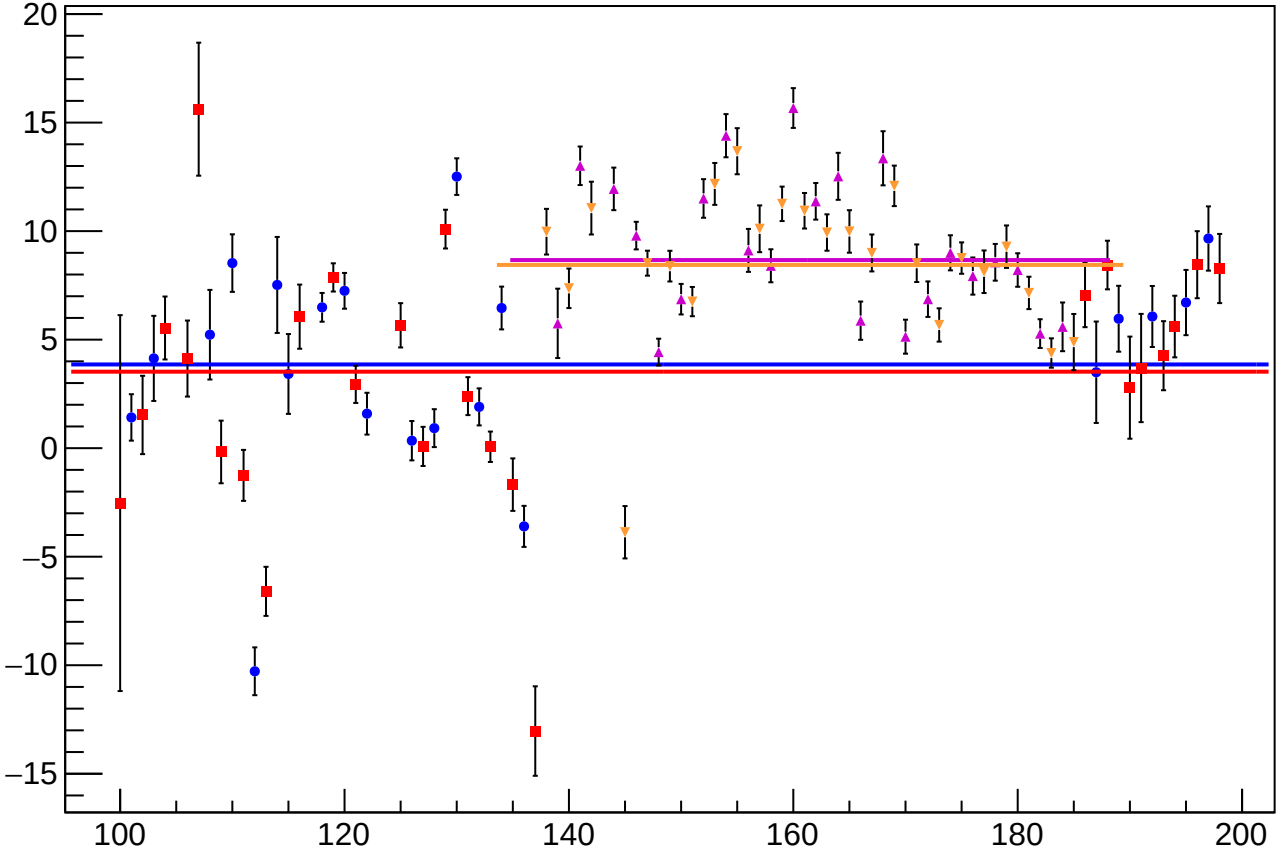
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

\+ sign 9.064+/-0.145 χ^2/NDF: 4628.9/44

All: 8.507+/-0.100 χ^2/NDF: 11413.5/93

\- sign 8.004+/-0.138 χ^2/NDF: 6756.7/48

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.857+/-0.239 χ^2/NDF: 453.2/20

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.524+/-0.233 χ^2/NDF: 399.3/25

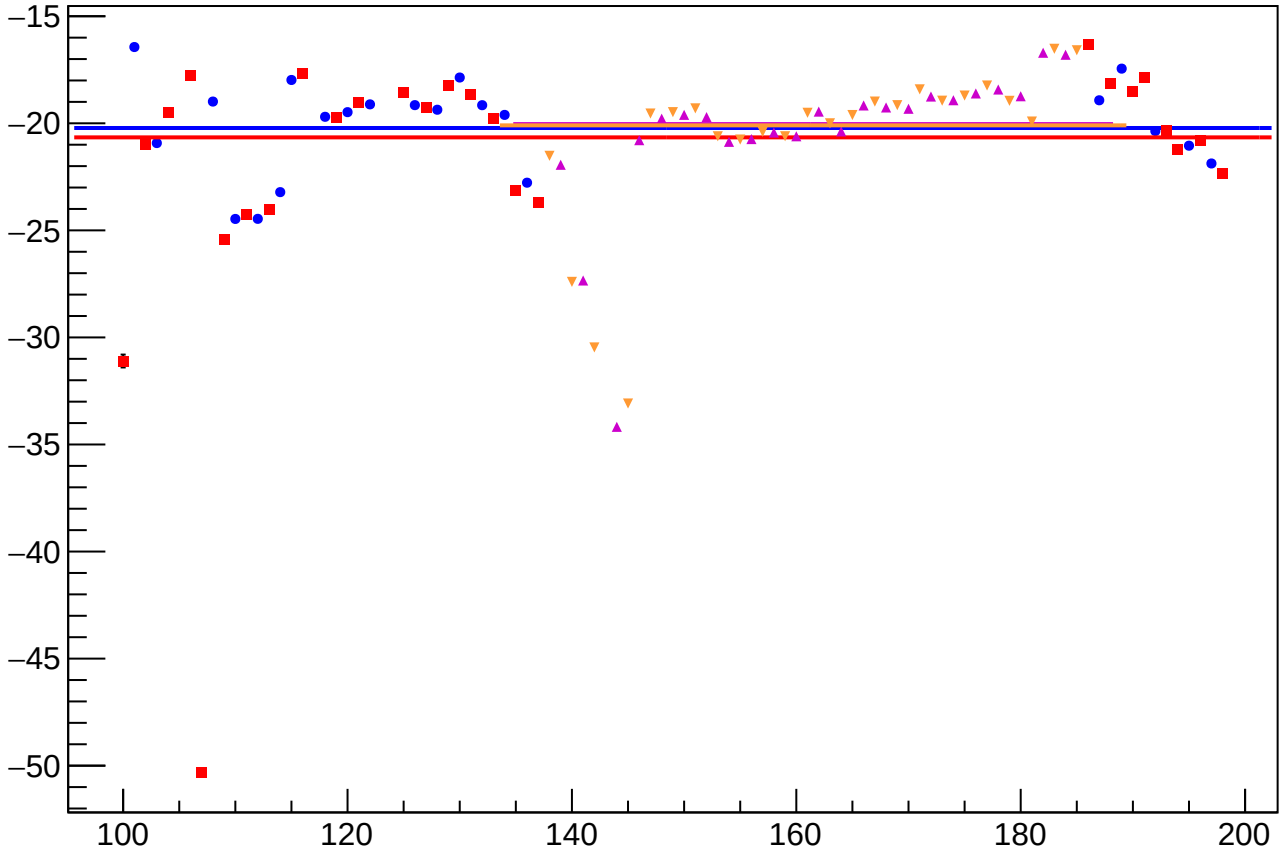
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.856+/-0.140 χ^2/NDF: 958.9/44

All: 6.830+/-0.099 χ^2/NDF: 1973.6/93

- sign 6.803+/-0.140 χ^2/NDF: 1014.6/48

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.219+/-0.013 χ^2/NDF: 23743.7/20

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.657+/-0.012 χ^2/NDF: 66204.1/25

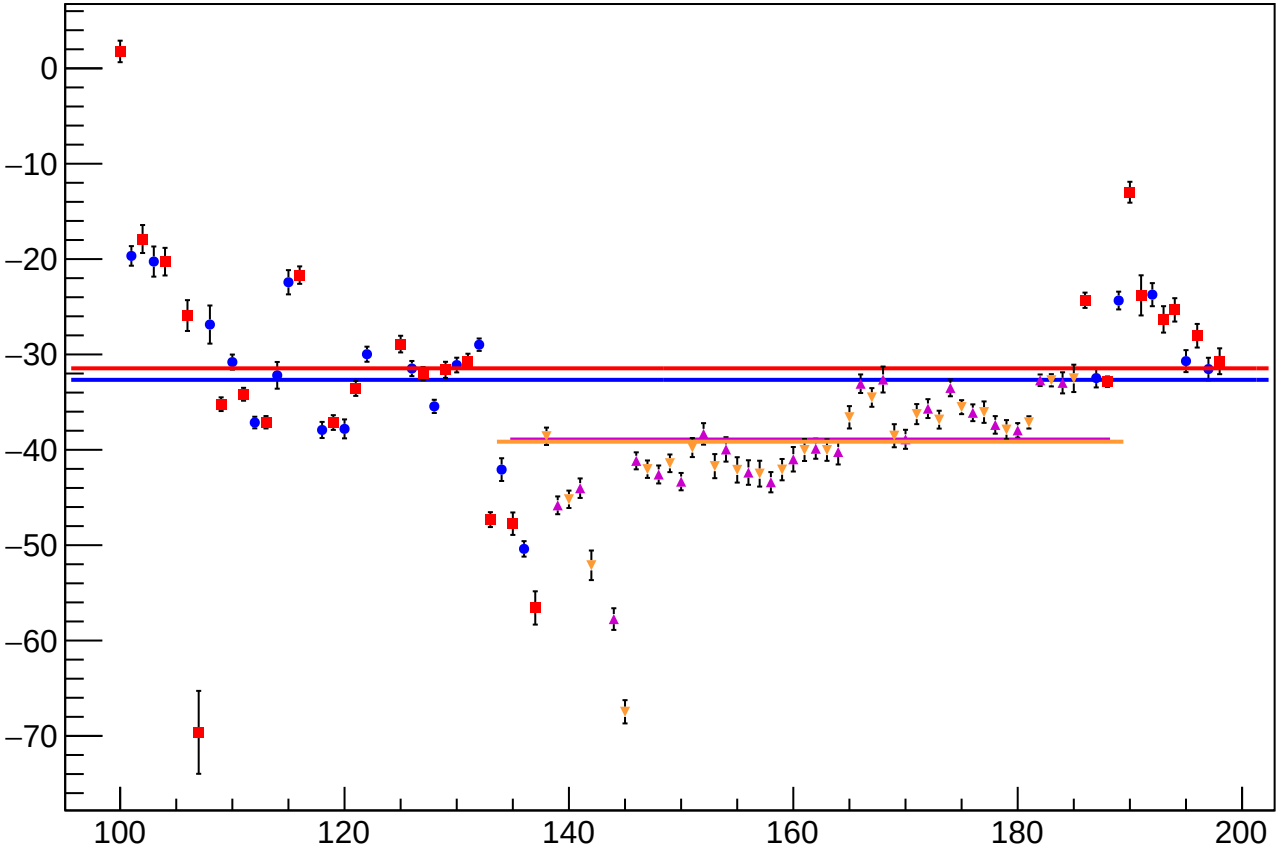
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.128+/-0.007 χ^2/NDF: 183100.6/44

All: -20.173+/-0.005 χ^2/NDF: 383446.1/93

- sign -20.215+/-0.007 χ^2/NDF: 200262.8/48

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.662+/-0.199 χ^2/NDF: 1162.3/20

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.456+/-0.181 χ^2/NDF: 2648.1/25

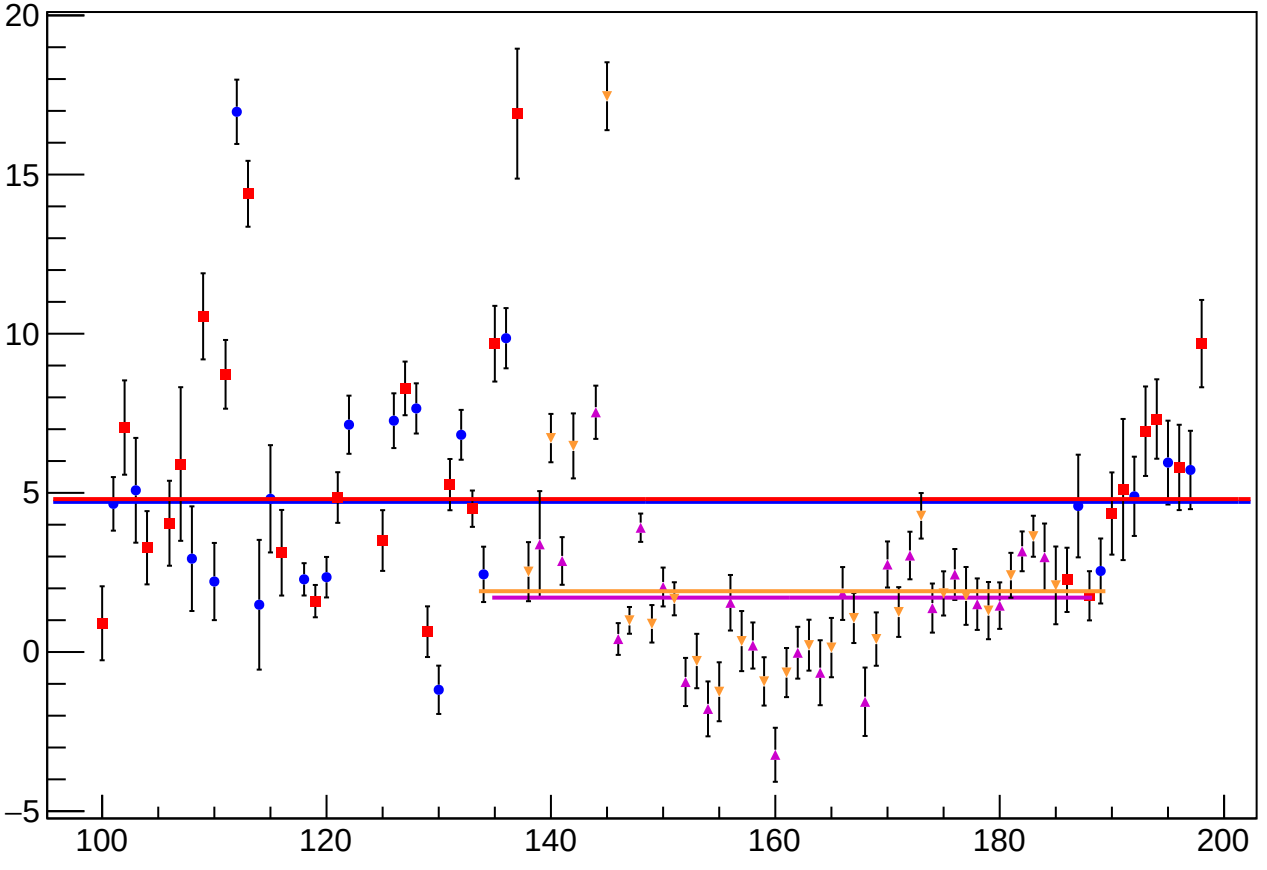
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.846+/-0.142 χ^2/NDF: 2583.6/44

All: -35.267+/-0.098 χ^2/NDF: 6699.4/93

- sign -34.742+/-0.135 χ^2/NDF: 4084.0/48

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.717+/-0.204 χ^2/NDF: 331.8/20

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.804+/-0.195 χ^2/NDF: 314.8/25

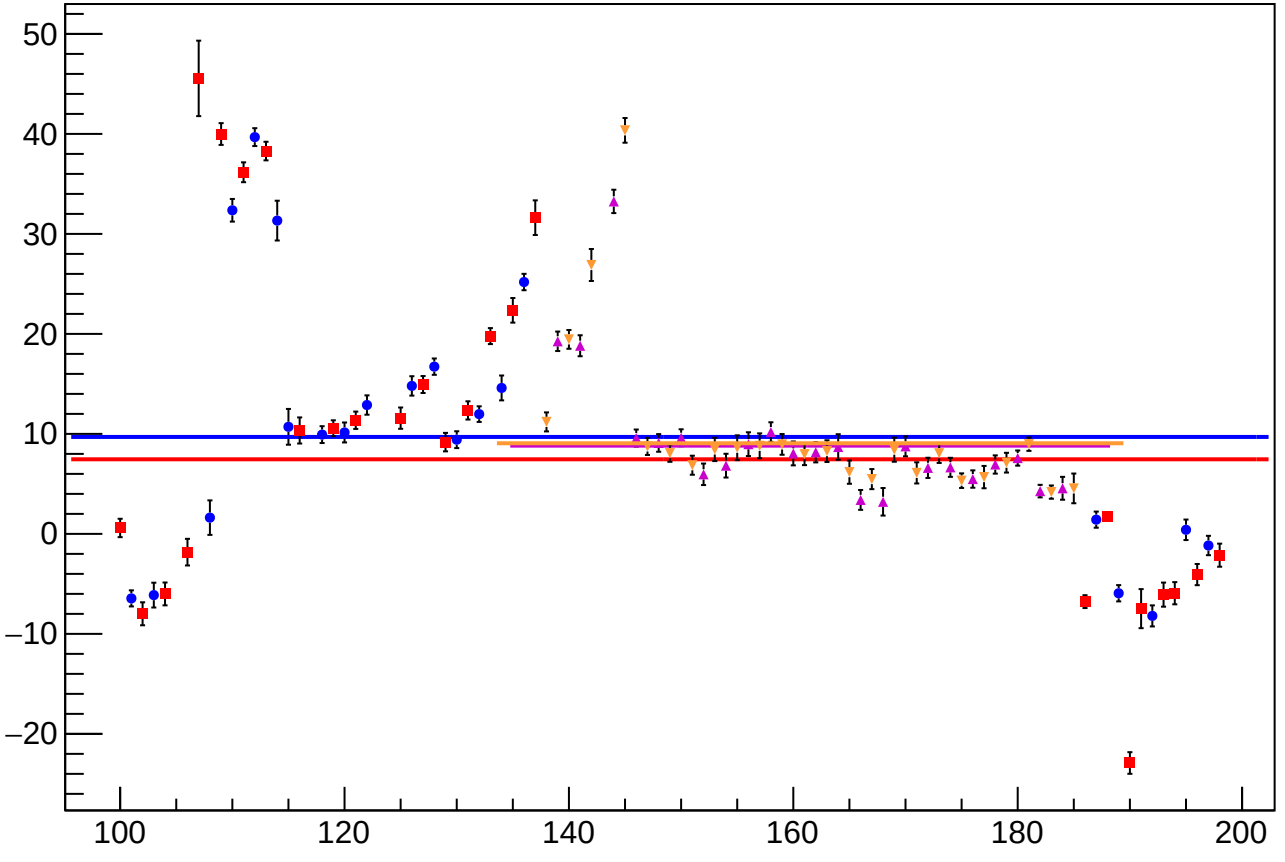
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

\+ sign 2.914+/-0.122 χ^2/NDF: 812.3/44

All: 2.912+/-0.086 χ^2/NDF: 1464.4/93

\- sign 2.910+/-0.121 χ^2/NDF: 652.1/48

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 9.695+/-0.212 χ^2/NDF: 3697.6/20

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 7.459+/-0.186 χ^2/NDF: 6058.6/25

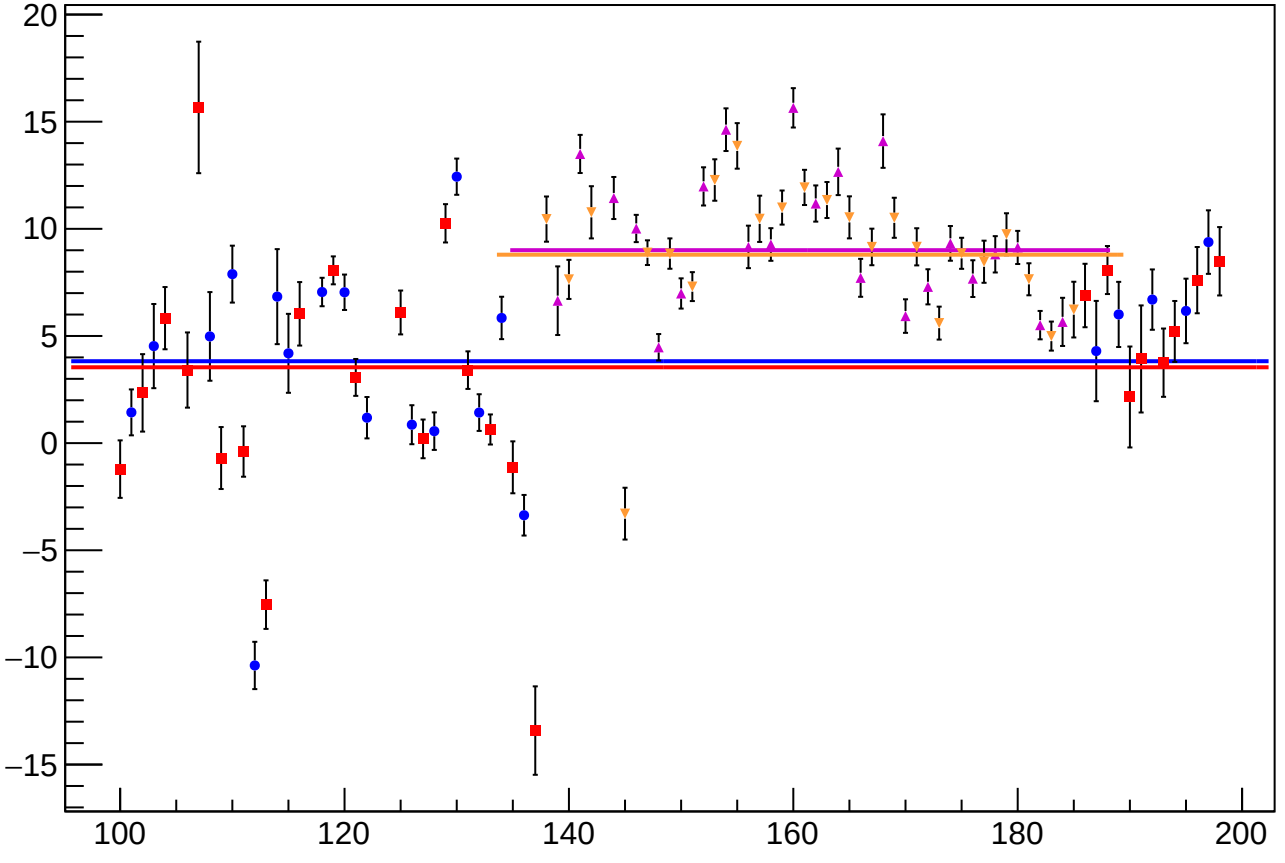
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 9.362+/-0.146 χ^2/NDF: 4735.8/44

All: 8.685+/-0.100 χ^2/NDF: 11661.2/93

- sign 8.088+/-0.137 χ^2/NDF: 6884.8/48

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.822+/-0.239 χ^2/NDF: 449.1/20

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.539+/-0.230 χ^2/NDF: 413.3/25

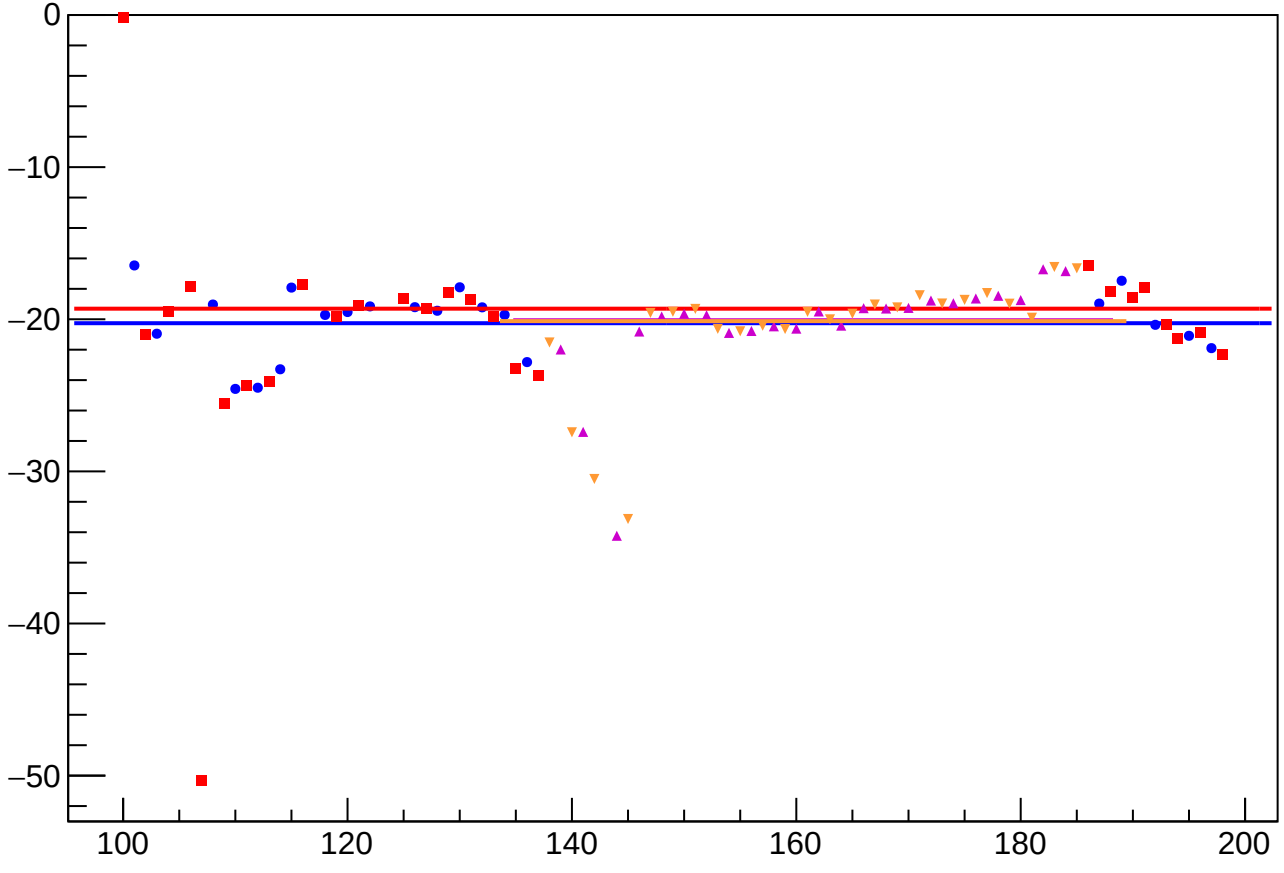
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

\+ sign 7.074+/-0.141 χ^2/NDF: 975.9/44

All: 7.030+/-0.099 χ^2/NDF: 2034.7/93

\- sign 6.988+/-0.140 χ^2/NDF: 1058.7/48

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.259+/-0.013 χ^2/NDF: 23751.0/20

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.304+/-0.012 χ^2/NDF: 245599.1/25

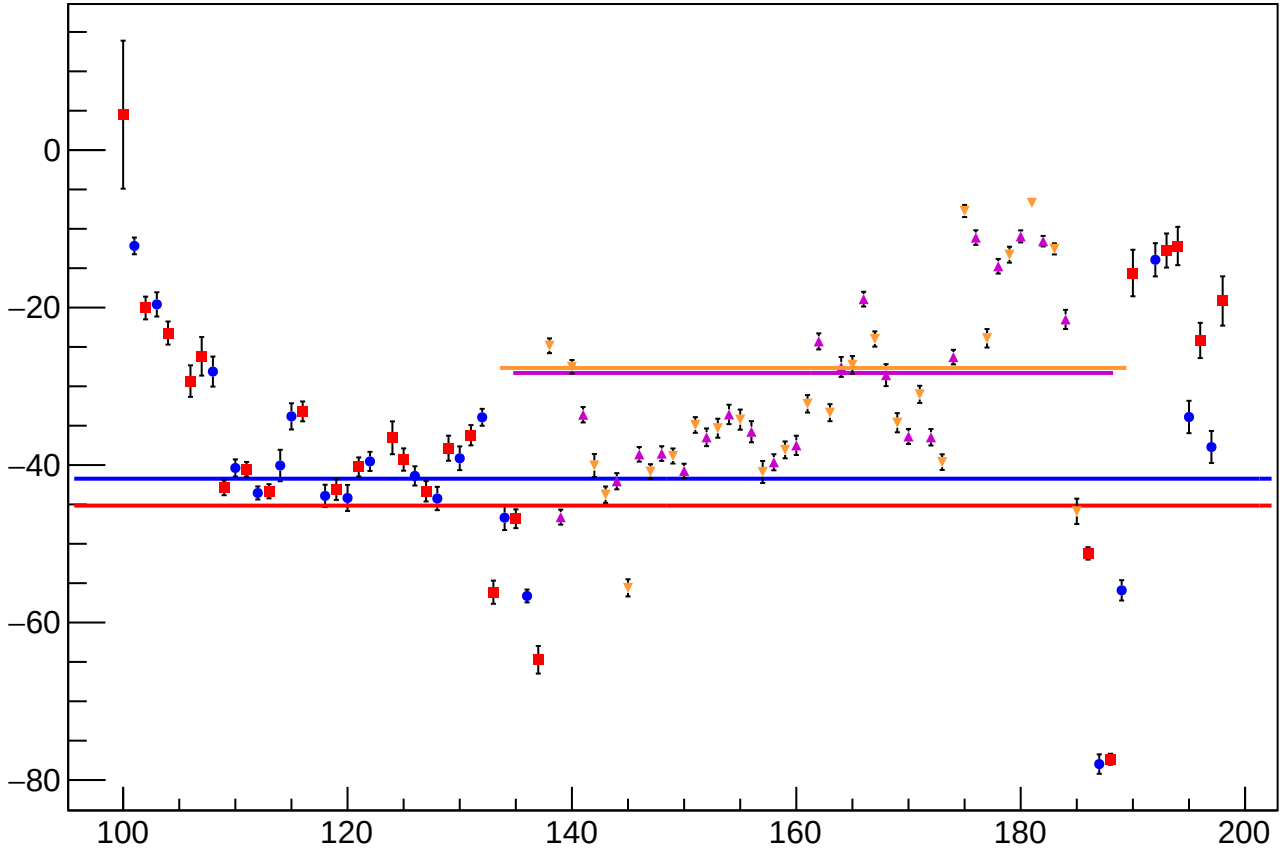
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.159+/-0.007 χ^2/NDF: 182407.0/44

All: -19.992+/-0.005 χ^2/NDF: 564626.8/93

- sign -19.835+/-0.007 χ^2/NDF: 381054.4/48

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -41.732+/-0.285 χ^2/NDF: 2643.3/20

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -45.149+/-0.257 χ^2/NDF: 3973.6/25

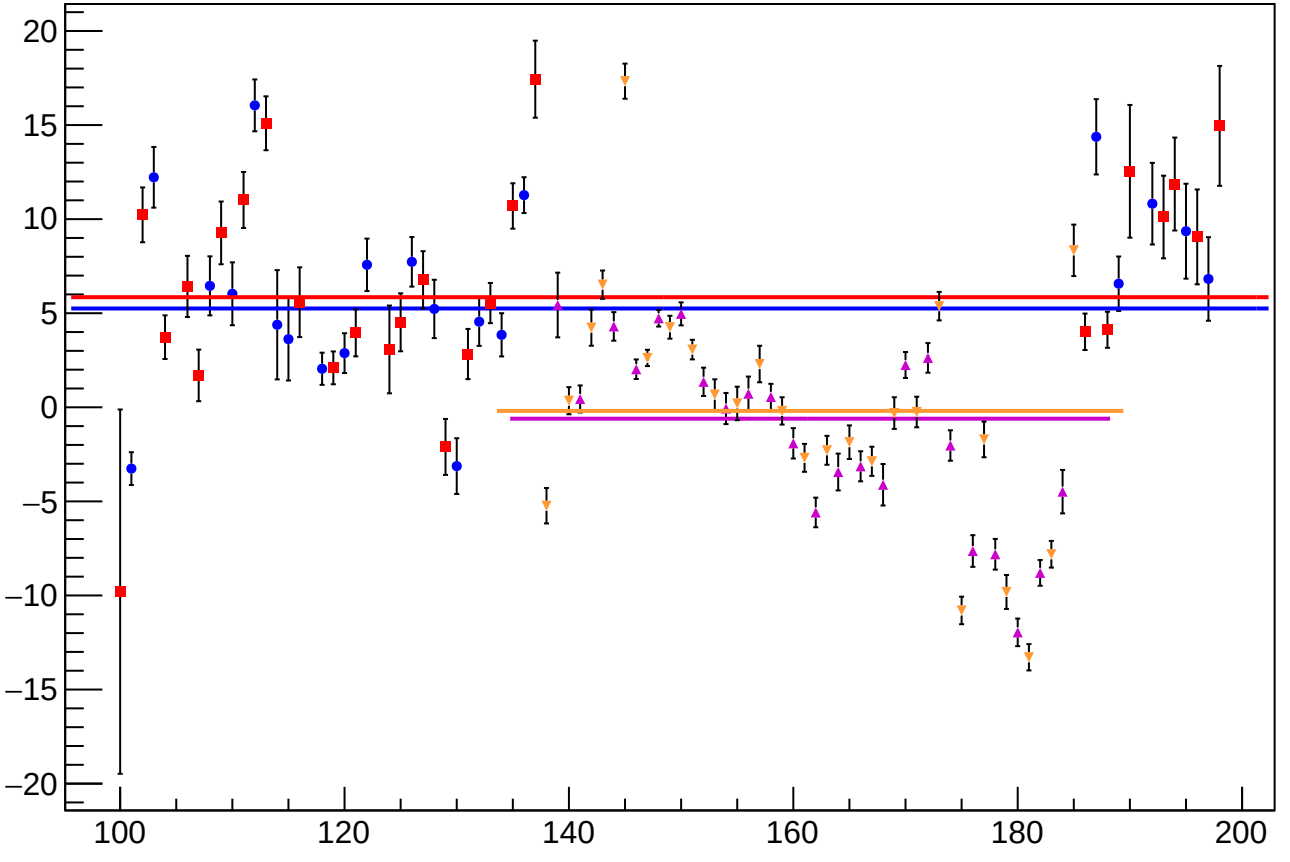
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

\+ sign -32.325+/-0.164 χ^2/NDF: 8670.1/45

All: -33.622+/-0.115 χ^2/NDF: 18652.7/94

\- sign -34.869+/-0.161 χ^2/NDF: 9859.7/48

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.252+/-0.297 χ^2/NDF: 307.7/20

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.851+/-0.284 χ^2/NDF: 217.6/25

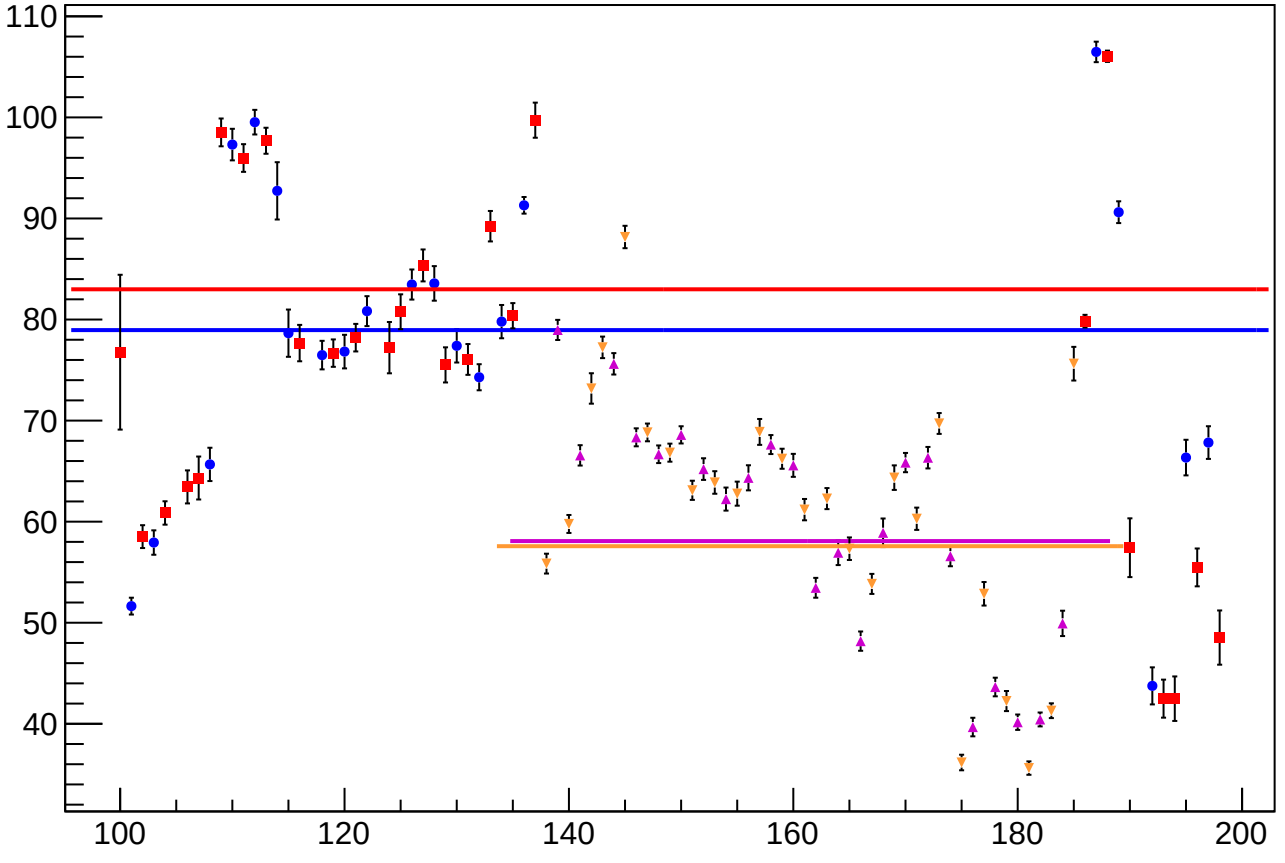
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.914+/-0.134 χ^2/NDF: 2120.3/45

All: 0.897+/-0.095 χ^2/NDF: 3710.4/94

- sign 0.879+/-0.136 χ^2/NDF: 1590.0/48

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 78.954+/-0.293 χ^2/NDF: 3473.8/20

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 82.992+/-0.258 χ^2/NDF: 4597.0/25

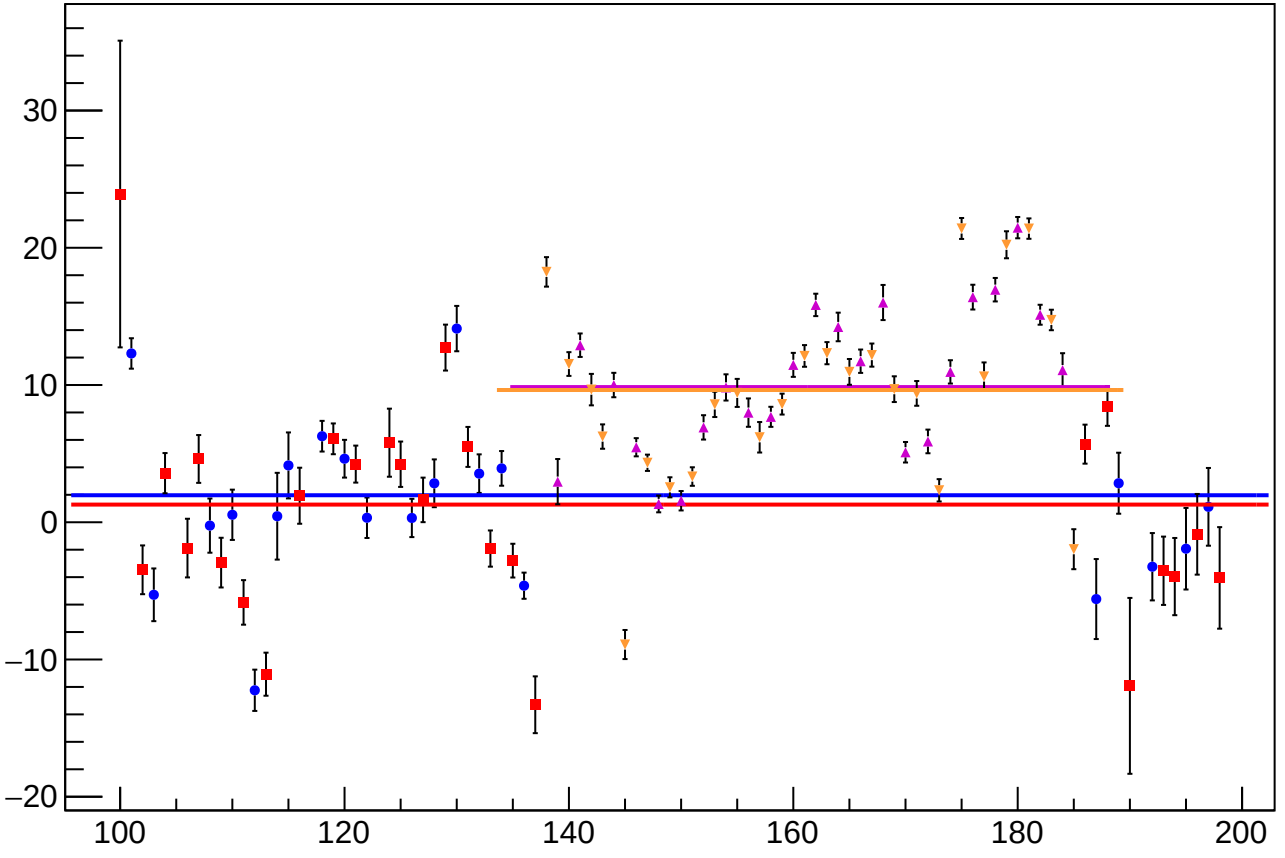
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.321+/-0.165 χ^2/NDF: 11803.5/45

All: 66.029+/-0.115 χ^2/NDF: 25919.6/94

- sign 67.637+/-0.160 χ^2/NDF: 13907.0/48

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 1.968+/-0.347 χ^2/NDF: 333.4/20

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.287+/-0.339 χ^2/NDF: 306.1/25

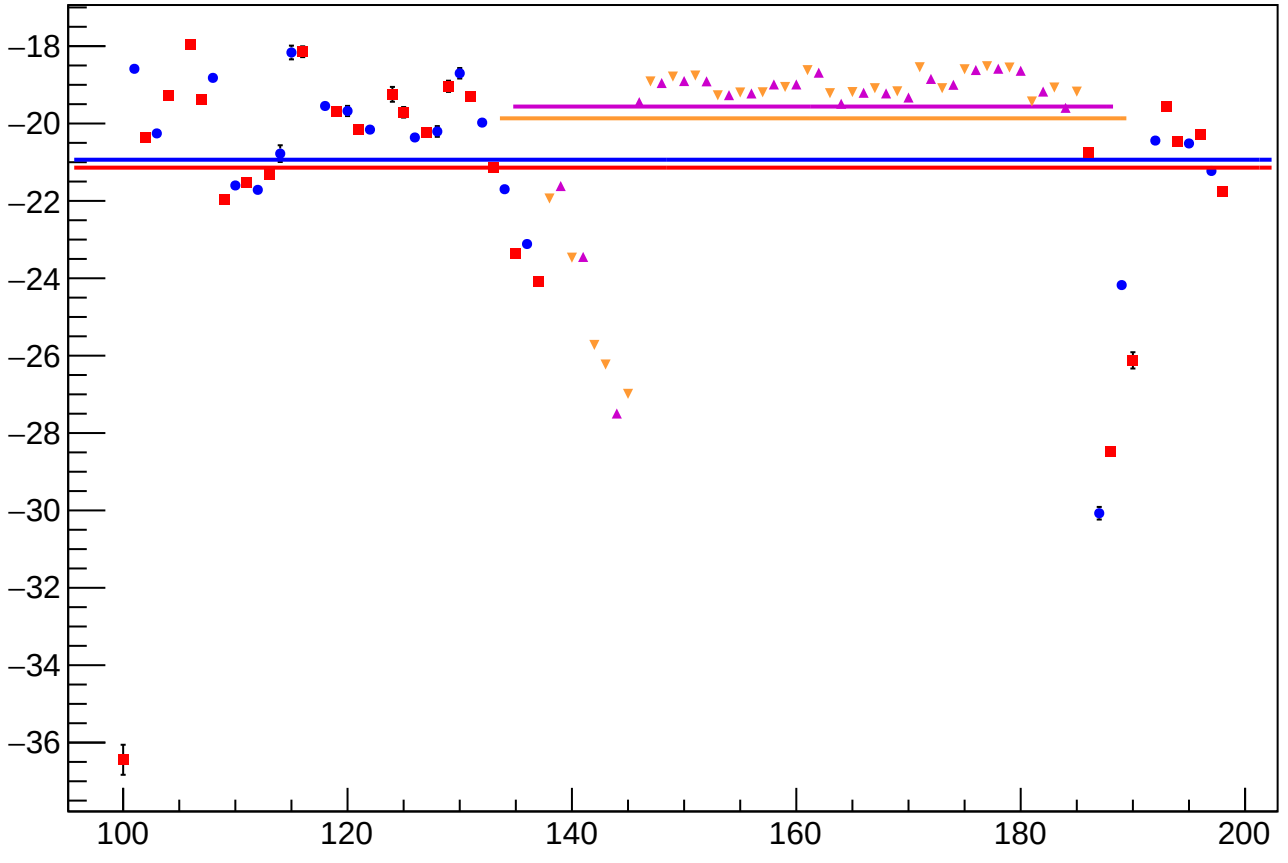
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.131+/-0.154 χ^2/NDF: 2217.7/45

All: 8.080+/-0.110 χ^2/NDF: 4019.1/94

- sign 8.027+/-0.156 χ^2/NDF: 1801.2/48

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.936+/-0.018 χ^2/NDF: 11915.4/20

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.141+/-0.018 χ^2/NDF: 19943.2/25

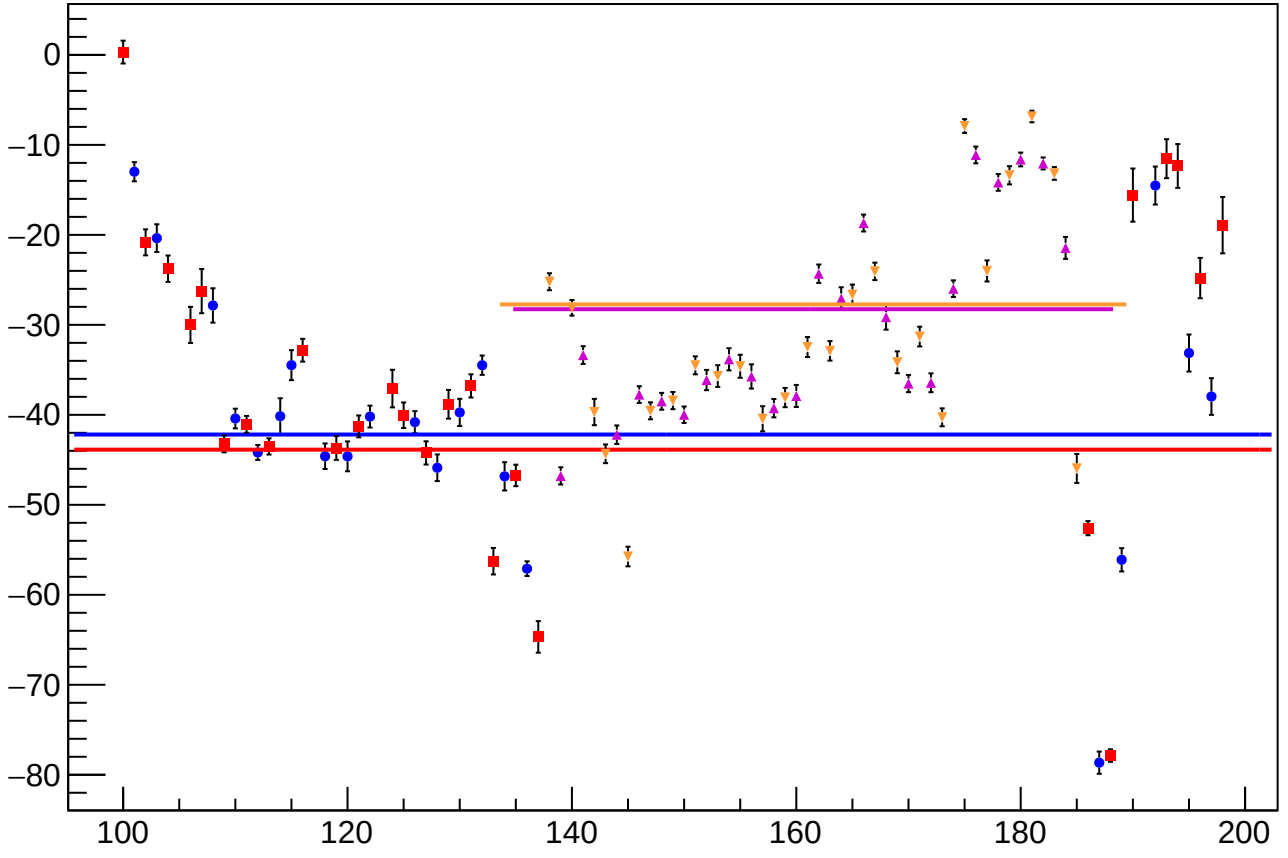
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.041+/-0.007 χ^2/NDF: 93838.6/45

All: -19.937+/-0.005 χ^2/NDF: 166106.7/94

- sign -19.831+/-0.007 χ^2/NDF: 71845.6/48

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -42.189+/-0.285 χ^2/NDF: 2630.7/20

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -43.870+/-0.253 χ^2/NDF: 5243.0/25

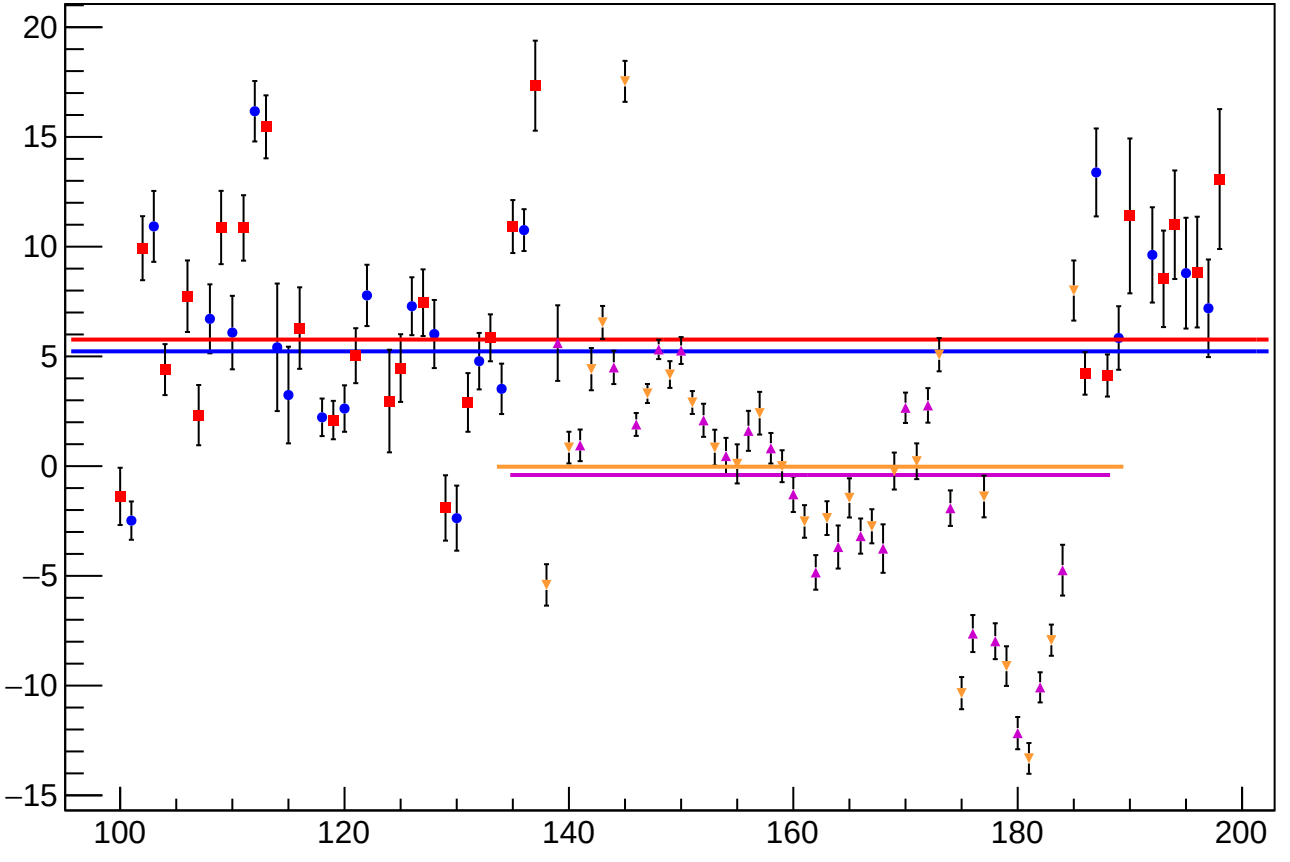
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.518+/-0.164 χ^2/NDF: 8648.6/45

All: -33.534+/-0.114 χ^2/NDF: 19429.3/94

- sign -34.497+/-0.160 χ^2/NDF: 10706.0/48

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.230+/-0.298 χ^2/NDF: 265.9/20

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.768+/-0.278 χ^2/NDF: 237.2/25

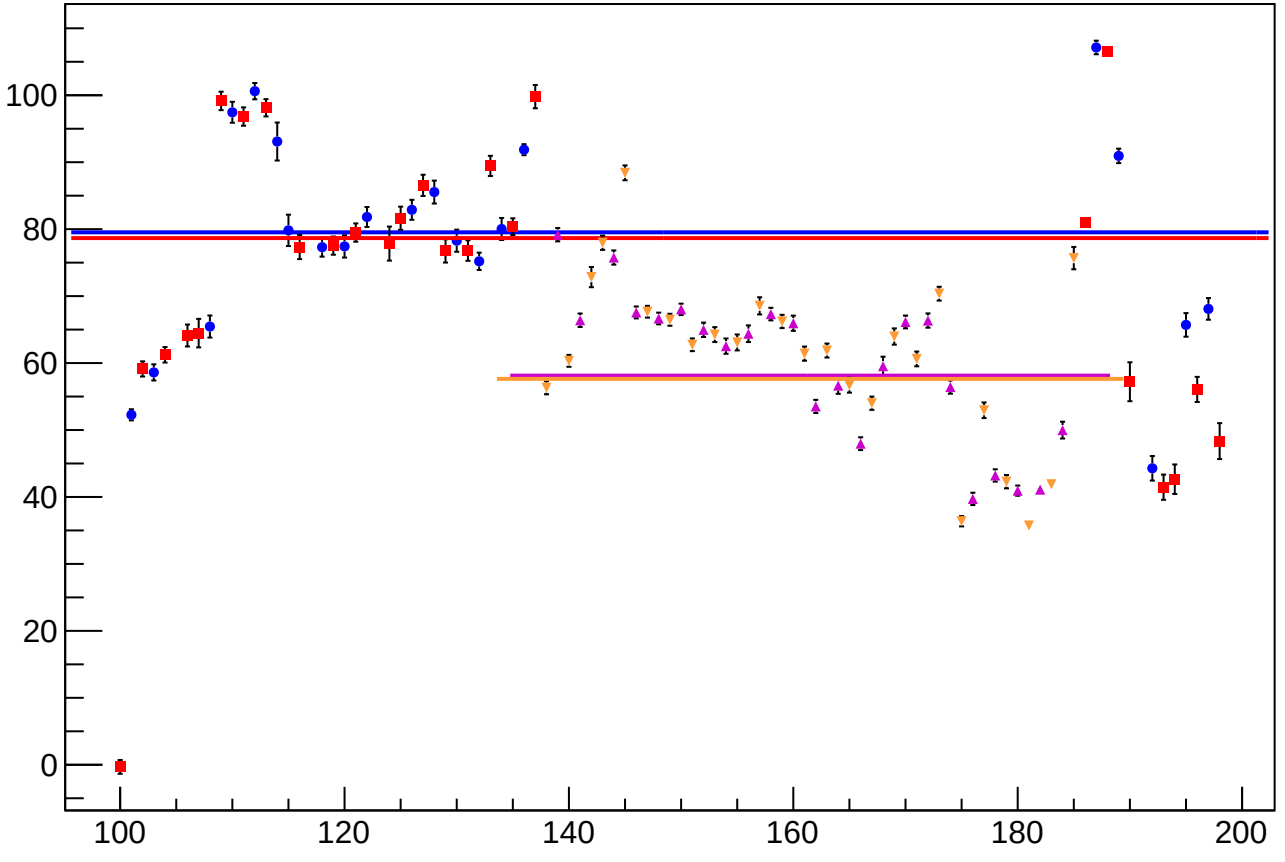
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.042+/-0.134 χ^2/NDF: 2046.1/45

All: 1.054+/-0.095 χ^2/NDF: 3742.8/94

- sign 1.066+/-0.136 χ^2/NDF: 1696.7/48

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 79.526+/-0.293 χ^2/NDF: 3484.0/20

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 78.668+/-0.251 χ^2/NDF: 10823.7/25

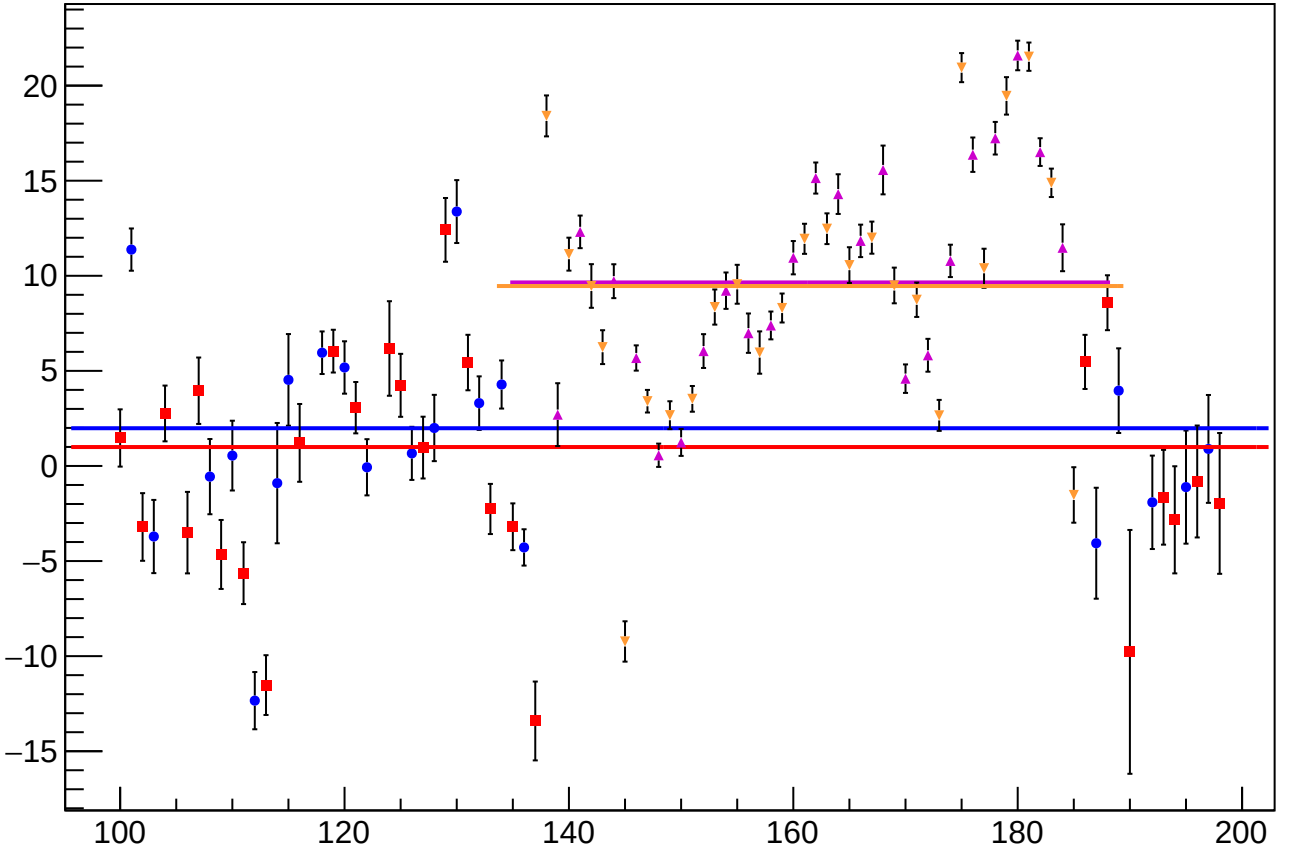
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.546+/-0.165 χ^2/NDF: 11904.5/45

All: 65.458+/-0.114 χ^2/NDF: 30276.3/94

- sign 66.297+/-0.158 χ^2/NDF: 18313.0/48

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 1.984+/-0.347 χ^2/NDF: 299.4/20

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.995+/-0.331 χ^2/NDF: 300.8/25

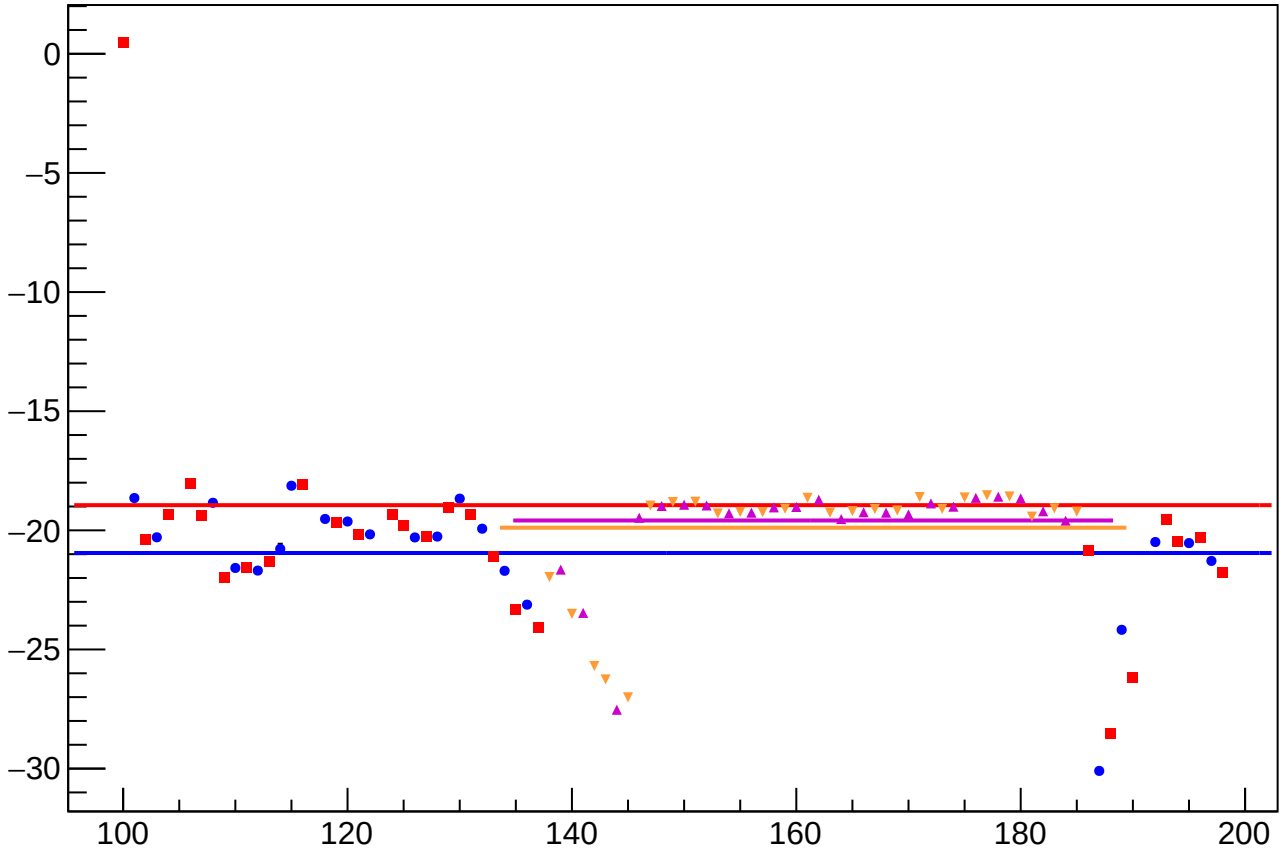
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.994+/-0.154 χ^2/NDF: 2154.9/45

All: 7.866+/-0.110 χ^2/NDF: 4066.9/94

- sign 7.735+/-0.156 χ^2/NDF: 1910.7/48

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.951+/-0.018 χ^2/NDF: 11783.0/20

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.943+/-0.017 χ^2/NDF: 171251.7/25

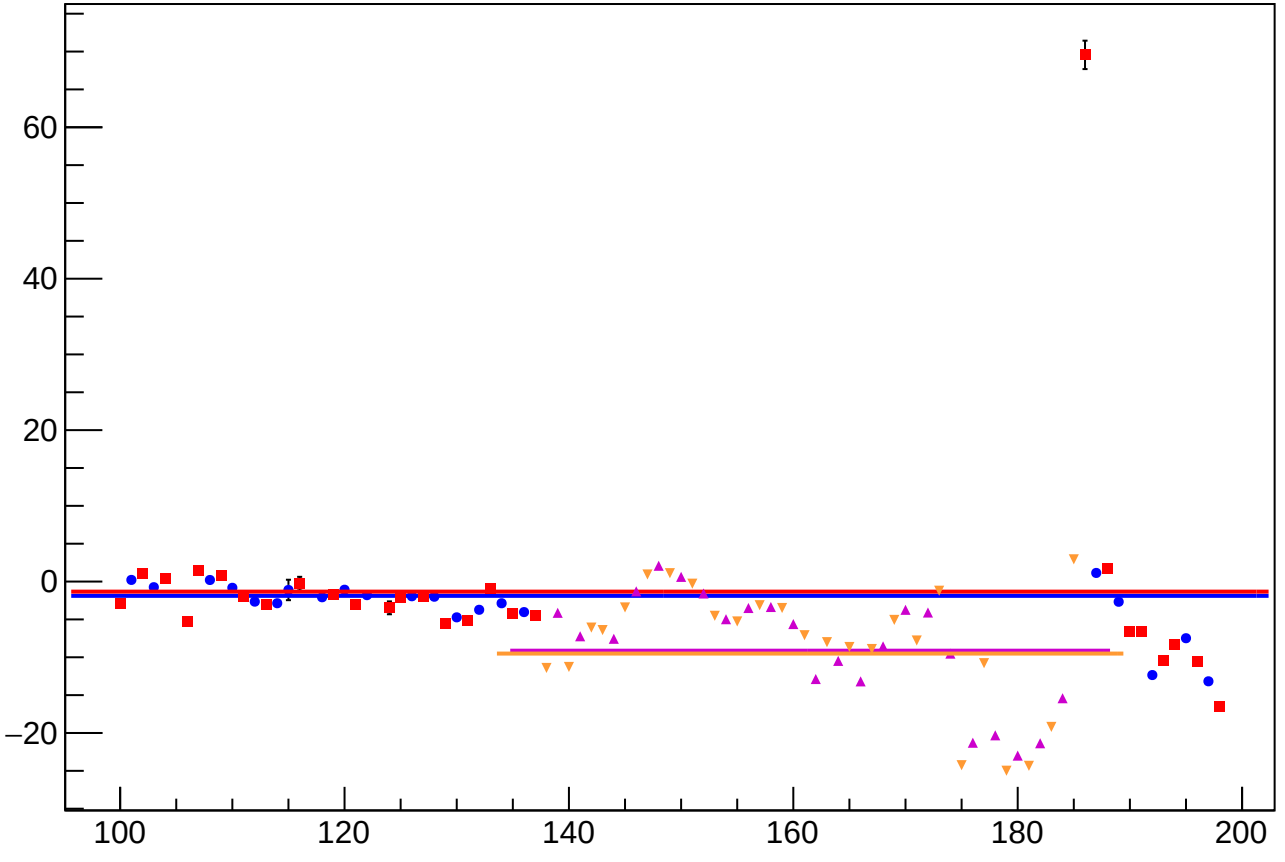
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.063+/-0.007 χ^2/NDF: 93276.2/45

All: -19.764+/-0.005 χ^2/NDF: 314259.3/94

- sign -19.466+/-0.007 χ^2/NDF: 217550.0/48

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.886+/-0.052 χ^2/NDF: 2835.3/20

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.330+/-0.047 χ^2/NDF: 6196.9/26

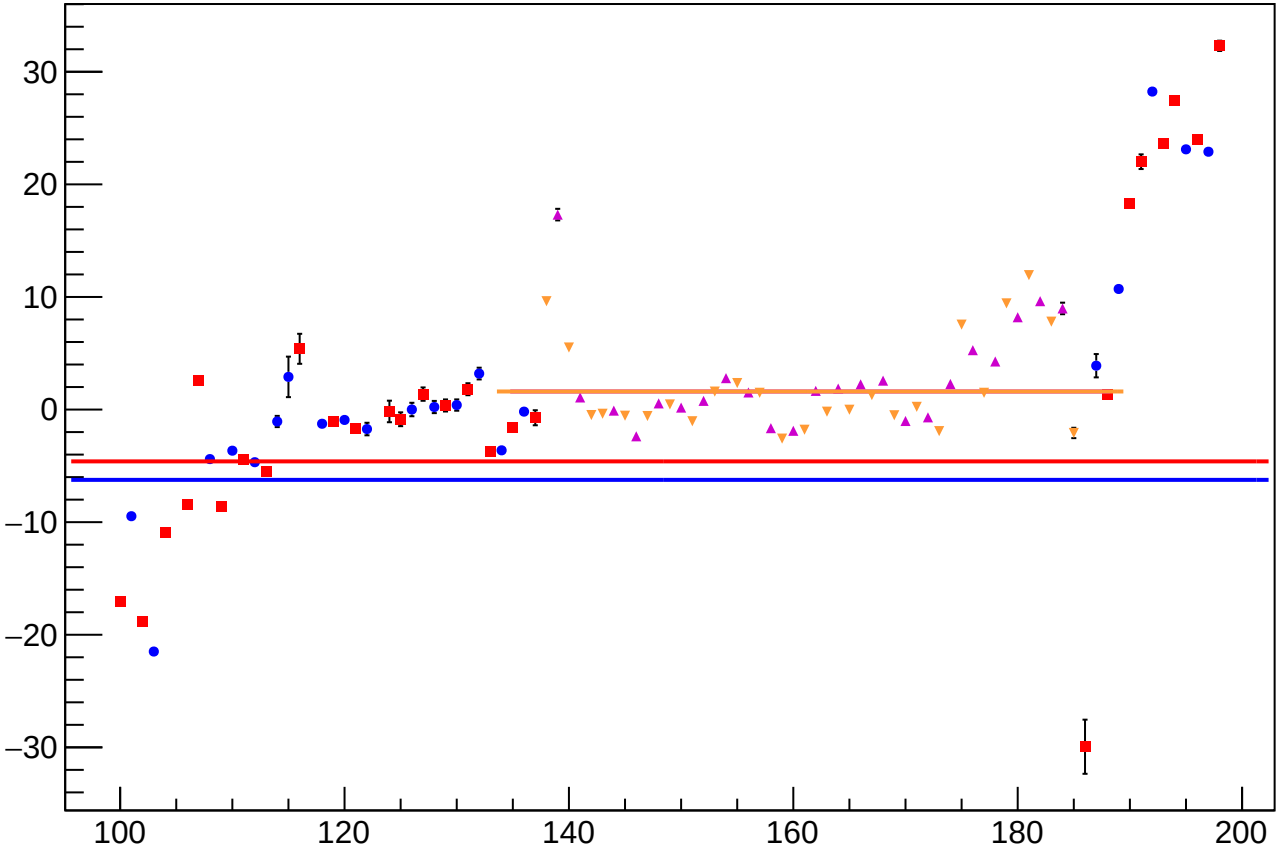
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.473+/-0.042 χ^2/NDF: 23034.9/45

All: -3.979+/-0.029 χ^2/NDF: 47679.1/95

- sign -3.541+/-0.040 χ^2/NDF: 24387.0/49

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -6.244+/-0.055 χ^2/NDF: 37012.9/20

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -4.602+/-0.053 χ^2/NDF: 47451.1/26

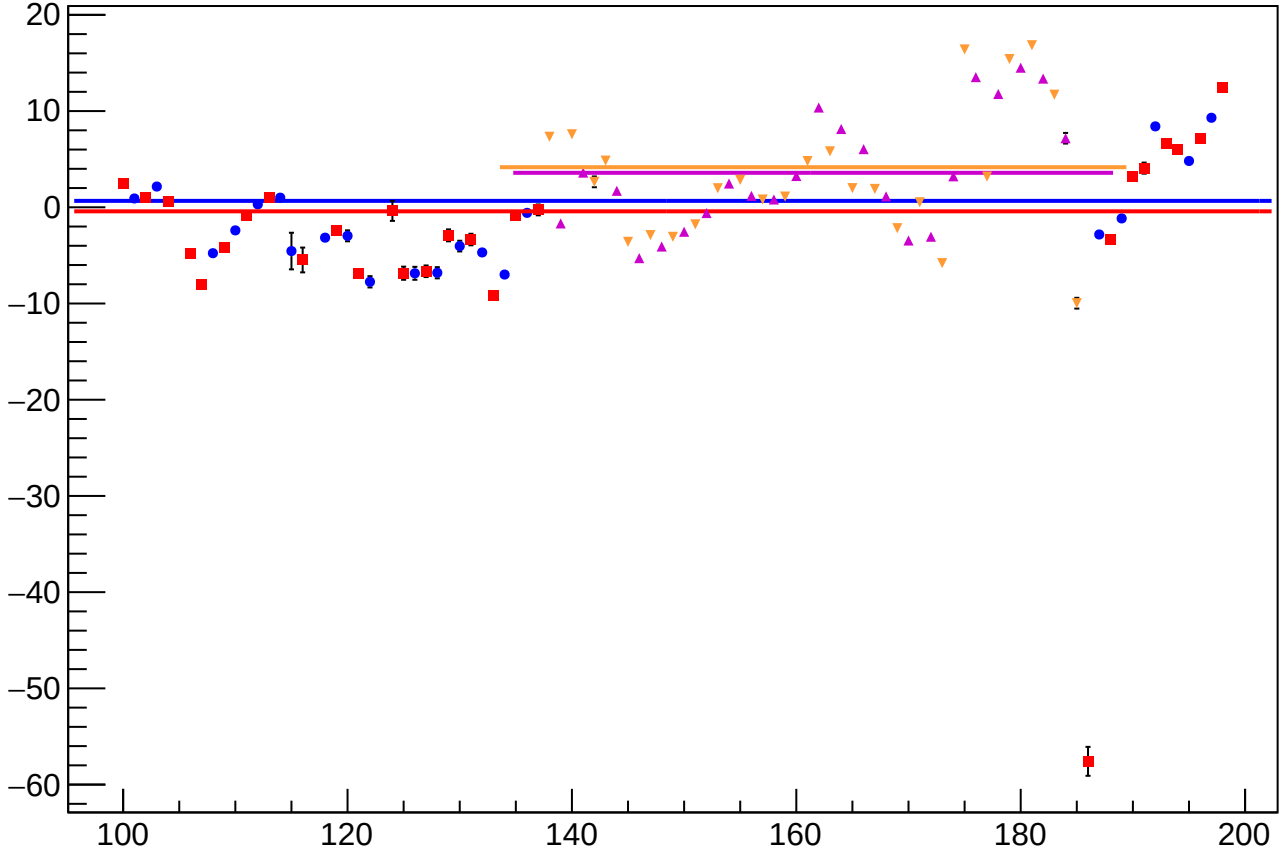
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -2.363+/-0.039 χ^2/NDF: 51922.3/45

All: -2.051+/-0.028 χ^2/NDF: 109388.4/95

- sign -1.733+/-0.039 χ^2/NDF: 57335.8/49

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.667+/-0.050 χ^2/NDF: 3766.0/20

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

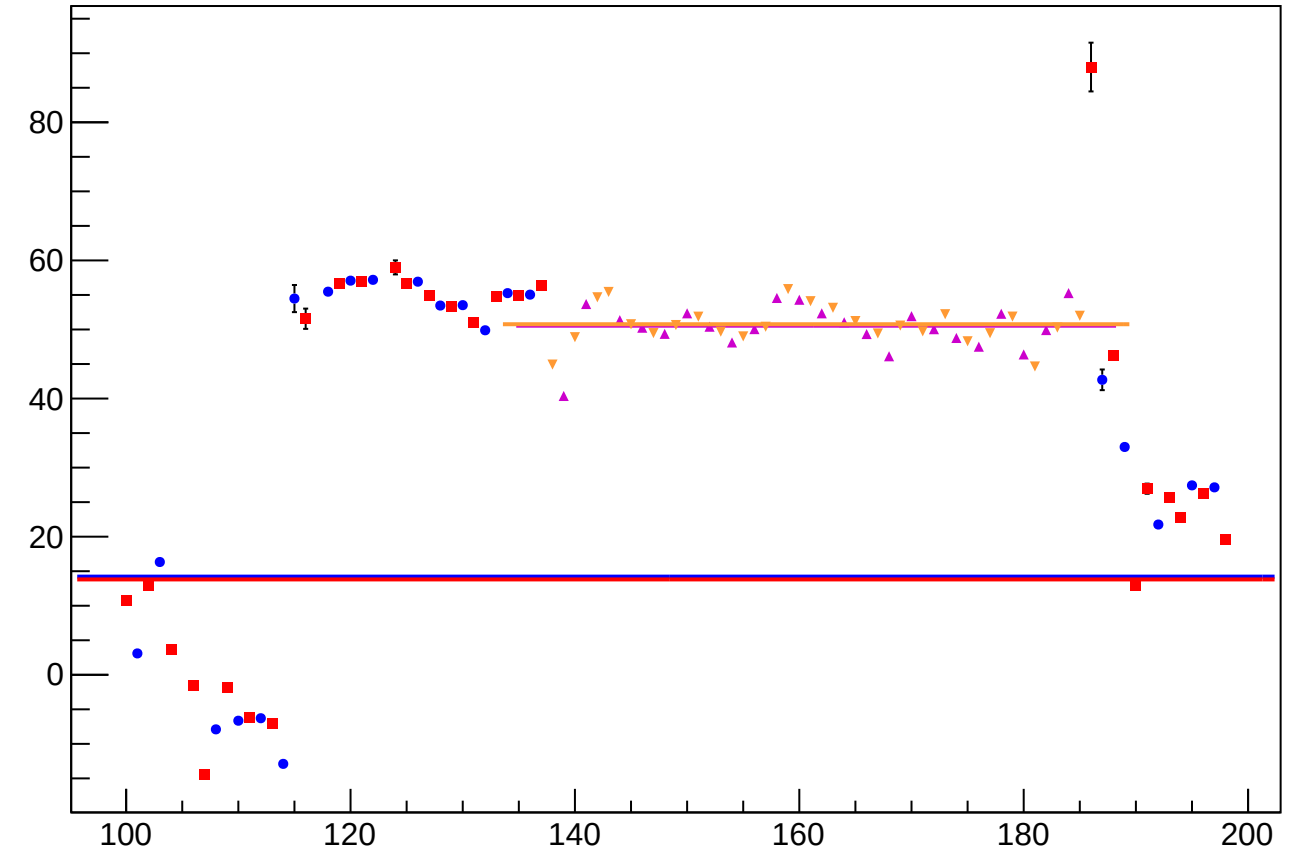
Right Out: -0.419+/-0.048 χ^2/NDF: 7615.1/26

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.803+/-0.041 χ^2/NDF: 14603.9/45

All: 1.265+/-0.029 χ^2/NDF: 31853.8/95

- sign 0.754+/-0.040 χ^2/NDF: 16915.3/49



Right In: 14.216+/-0.065 χ^2/NDF: 112160.5/20

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 13.810+/-0.064 χ^2/NDF: 128784.4/26

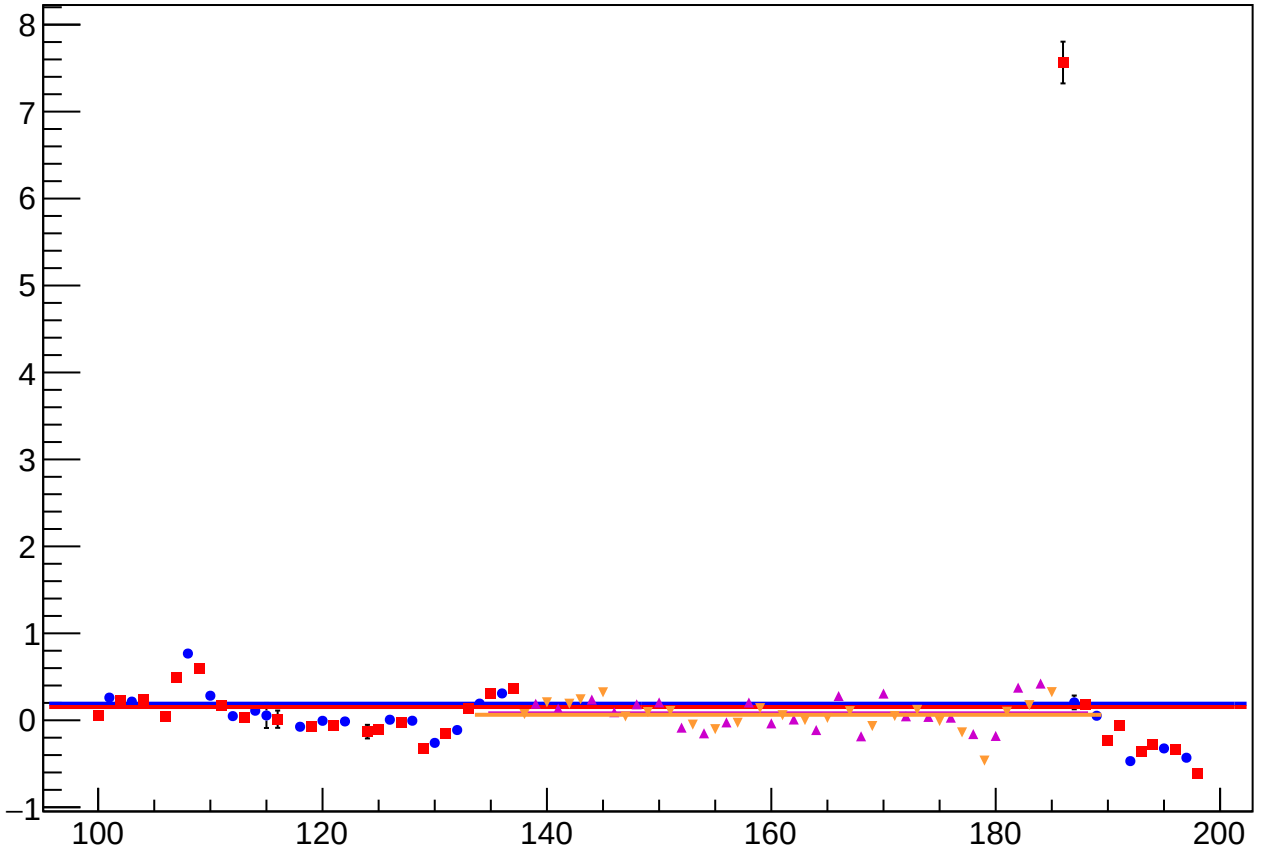
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

\+ sign 33.287+/-0.045 χ^2/NDF: 277714.0/45

All: 32.587+/-0.032 χ^2/NDF: 572240.1/95

\- sign 31.877+/-0.045 χ^2/NDF: 294041.0/49

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.191+/-0.003 χ^2/NDF: 10285.8/20

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.153+/-0.002 χ^2/NDF: 10688.1/26

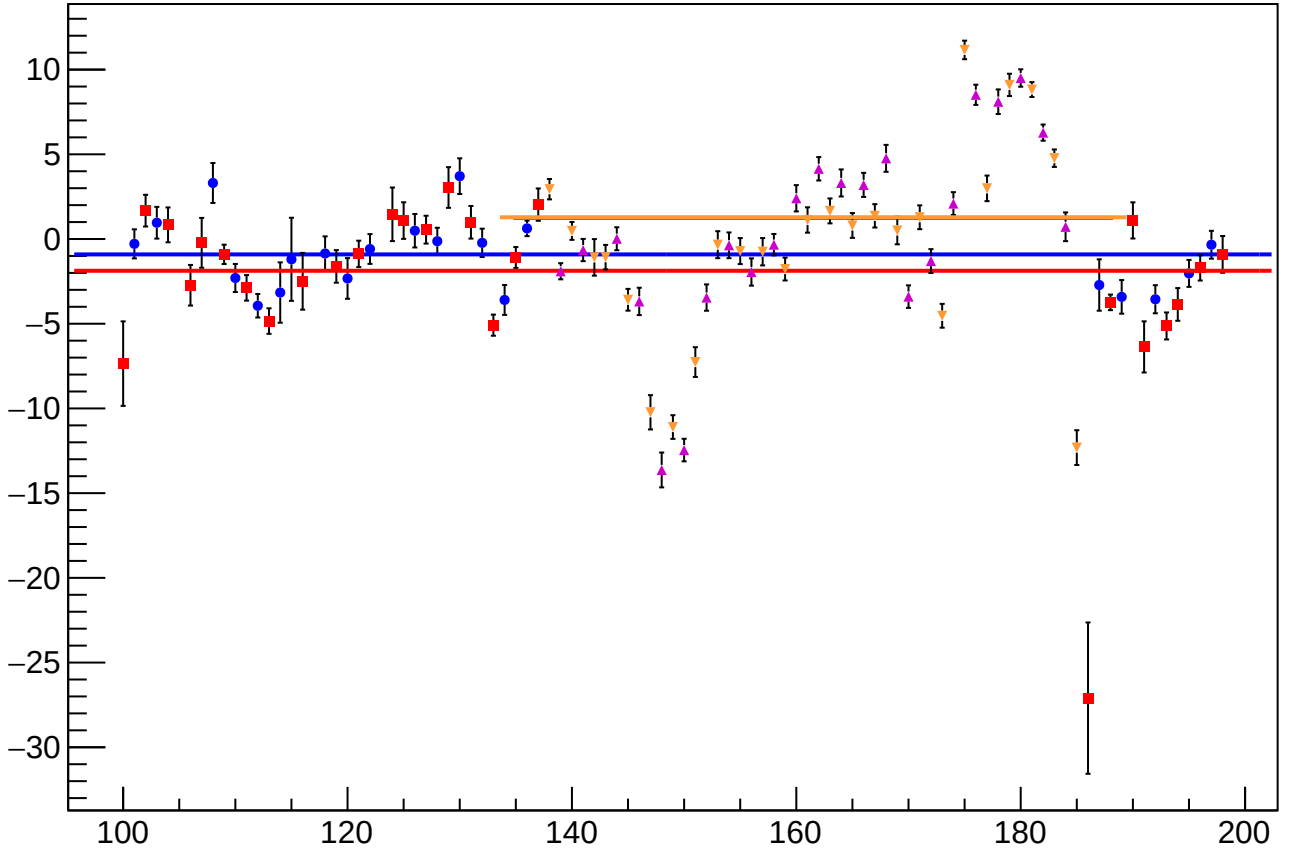
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.131+/-0.002 χ^2/NDF: 13967.2/45

All: 0.126+/-0.001 χ^2/NDF: 28492.8/95

- sign 0.121+/-0.002 χ^2/NDF: 14509.6/49

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.908+/-0.192 χ^2/NDF: 106.3/20

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.874+/-0.168 χ^2/NDF: 227.9/26

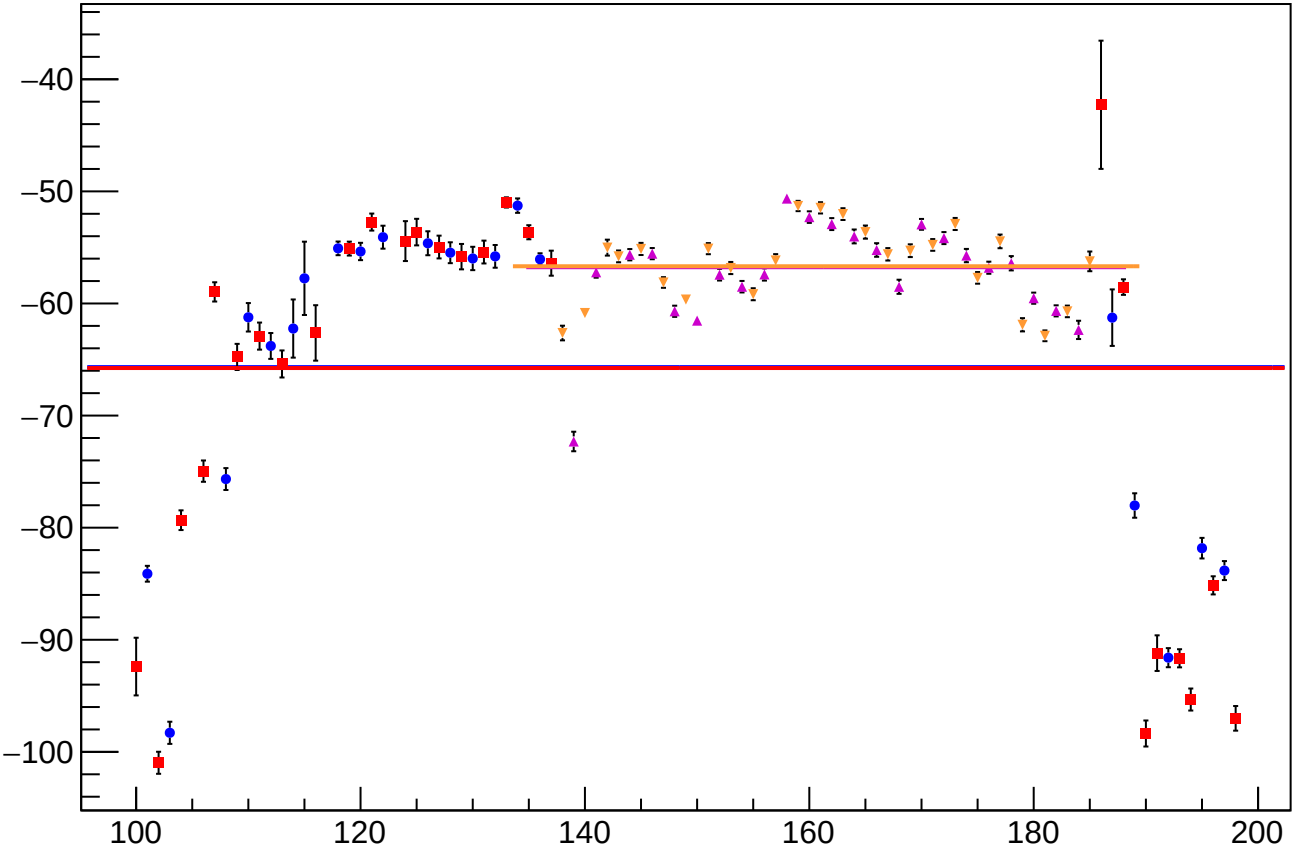
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.543+/-0.111 χ^2/NDF: 1908.2/45

All: 0.245+/-0.078 χ^2/NDF: 3865.0/95

- sign -0.034+/-0.108 χ^2/NDF: 1942.9/49

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -65.678+/-0.197 χ^2/NDF: 5564.7/20

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -65.759+/-0.178 χ^2/NDF: 8792.6/26

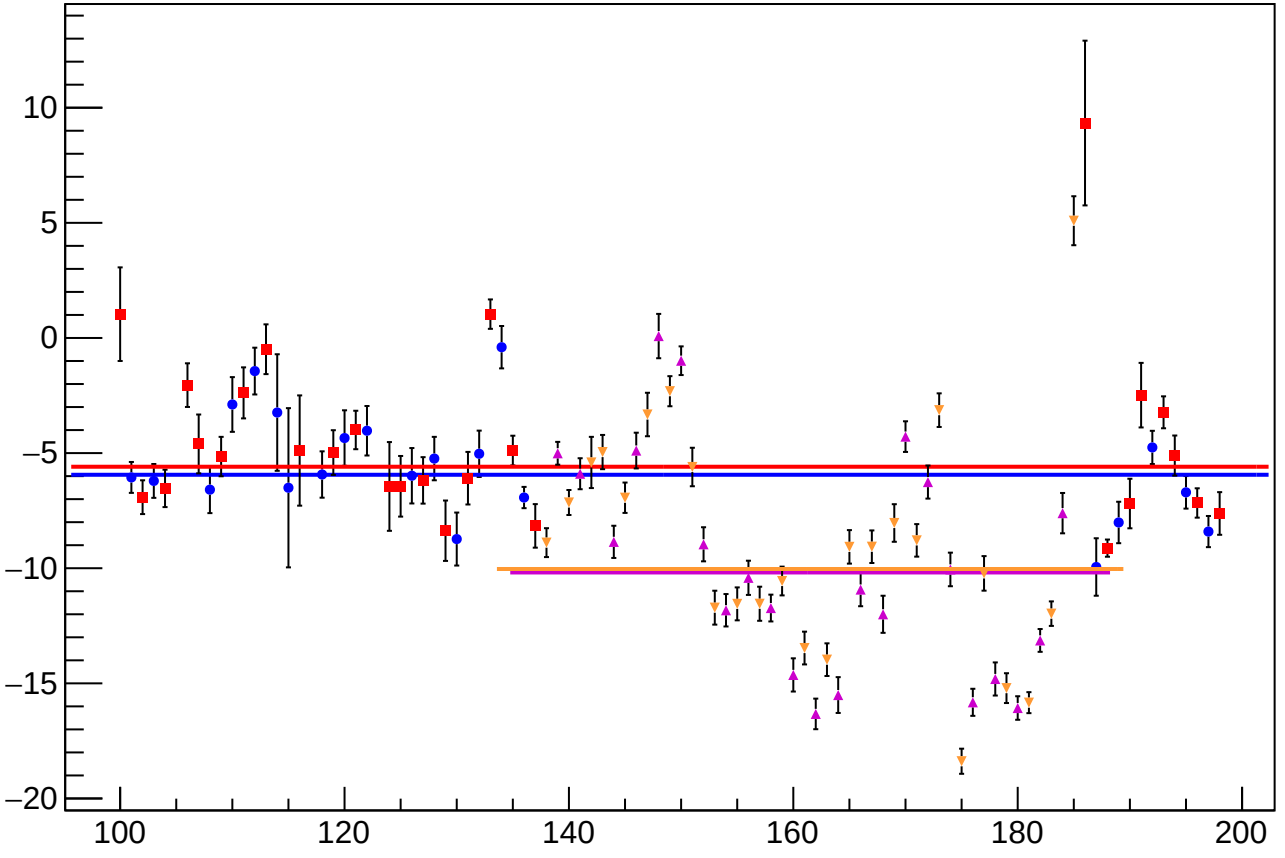
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -58.739+/-0.094 χ^2/NDF: 8190.6/45

All: -59.026+/-0.067 χ^2/NDF: 19941.1/95

- sign -59.316+/-0.095 χ^2/NDF: 11731.8/49

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.941+/-0.193 χ^2/NDF: 113.7/20

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.592+/-0.167 χ^2/NDF: 323.7/26

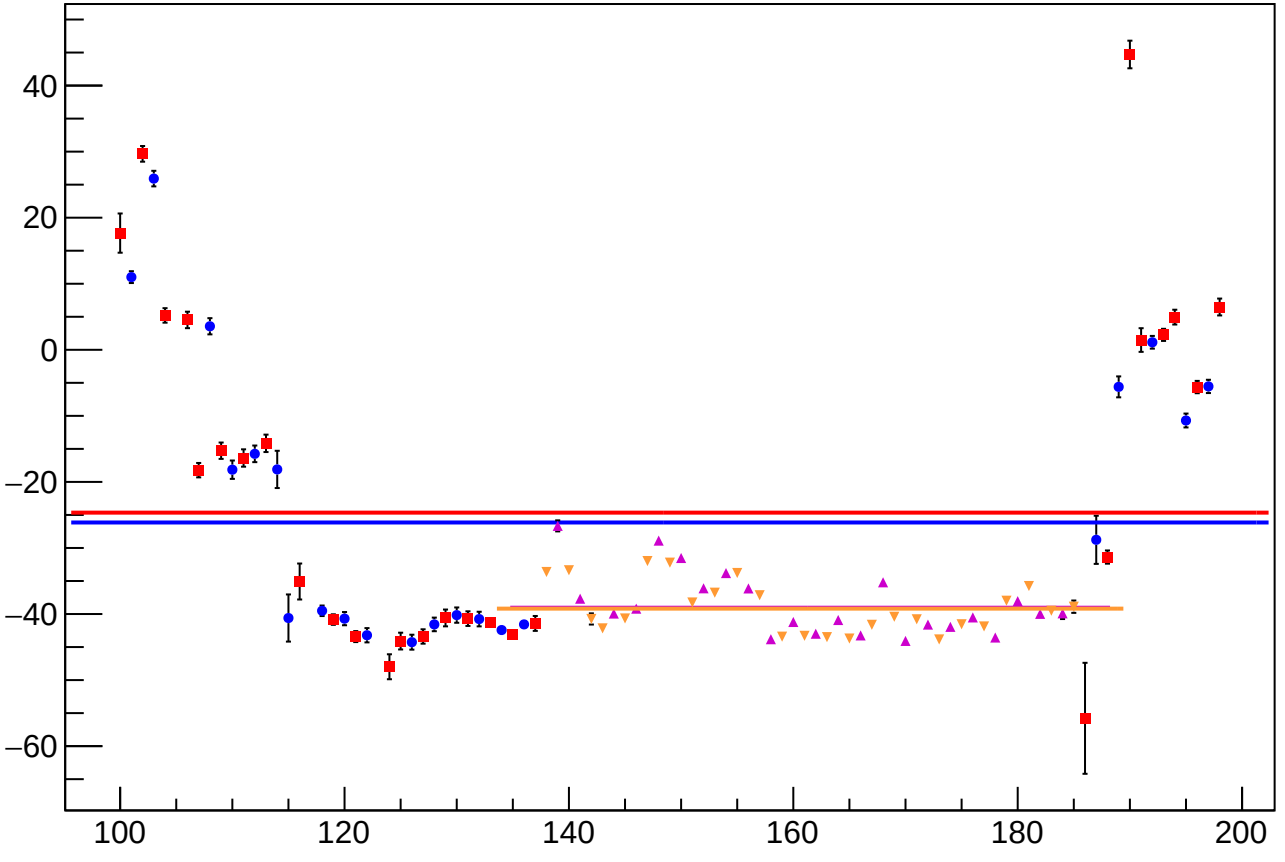
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.671+/-0.111 χ^2/NDF: 1596.6/45

All: -8.480+/-0.077 χ^2/NDF: 3515.0/95

- sign -8.303+/-0.107 χ^2/NDF: 1912.6/49

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -26.142+/-0.226 χ^2/NDF: 8864.4/20

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -24.650+/-0.209 χ^2/NDF: 11642.0/26

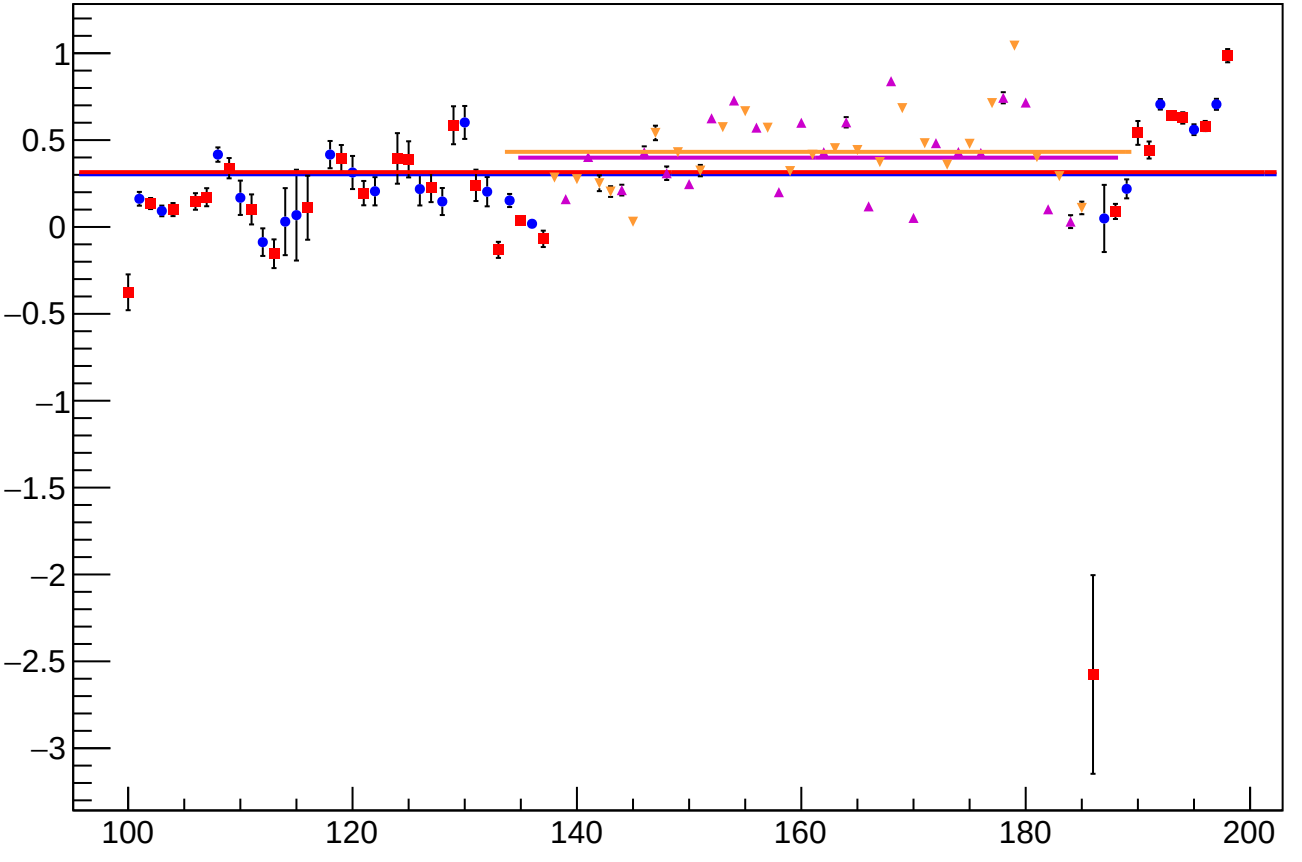
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -36.321+/-0.106 χ^2/NDF: 12489.9/45

All: -35.801+/-0.075 χ^2/NDF: 28922.5/95

- sign -35.273+/-0.107 χ^2/NDF: 16384.2/49

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.303+/-0.010 χ^2/NDF: 715.6/20

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.316+/-0.009 χ^2/NDF: 1146.3/26

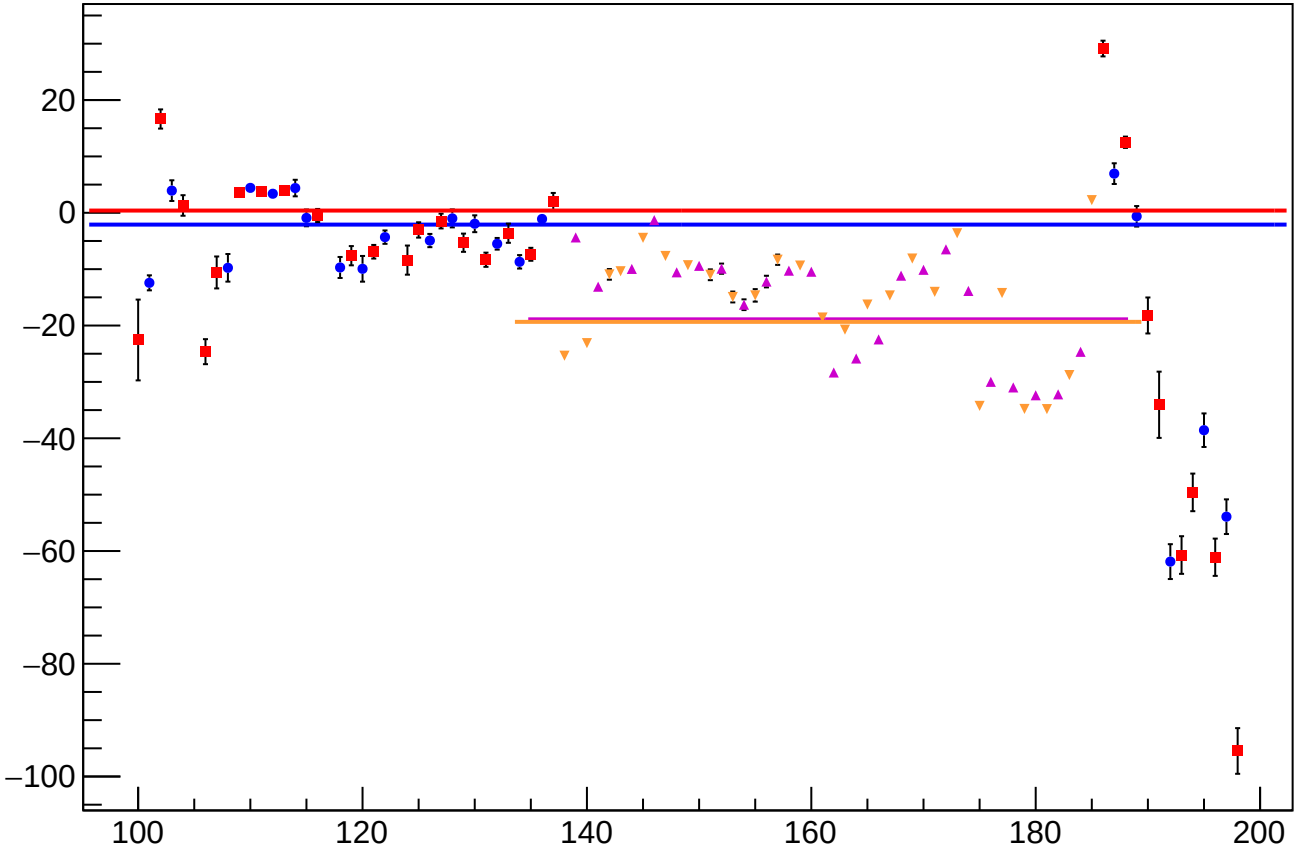
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.404+/-0.005 χ^2/NDF: 2212.8/45

All: 0.391+/-0.003 χ^2/NDF: 5360.0/95

- sign 0.378+/-0.005 χ^2/NDF: 3131.2/49

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -2.094+/-0.271 χ^2/NDF: 1177.6/20

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 0.397+/-0.249 χ^2/NDF: 2625.7/26

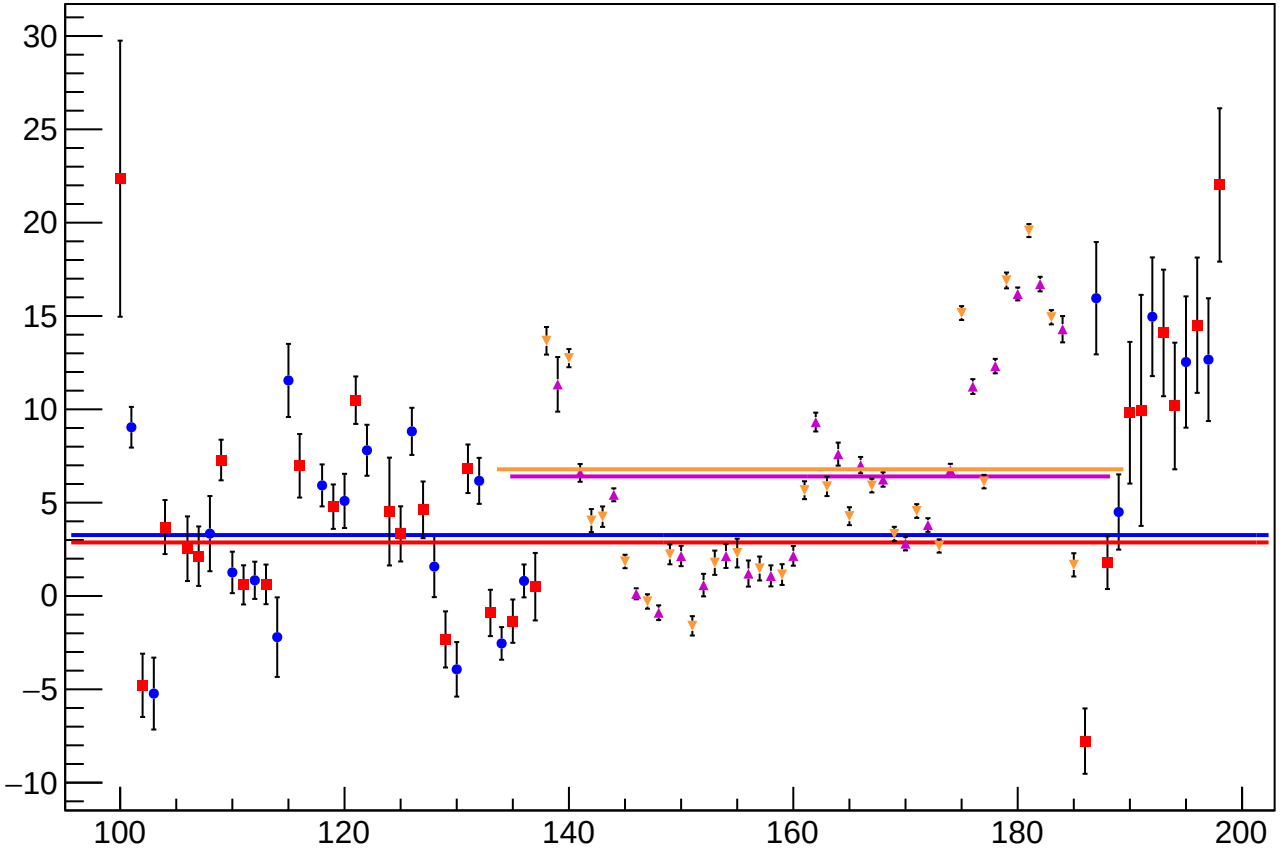
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

\+ sign -16.776+/-0.105 χ^2/NDF: 15023.3/45

All: -16.124+/-0.074 χ^2/NDF: 30935.2/95

\- sign -15.462+/-0.105 χ^2/NDF: 15833.4/49

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.264+/-0.304 χ^2/NDF: 248.4/20

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.869+/-0.303 χ^2/NDF: 234.8/26

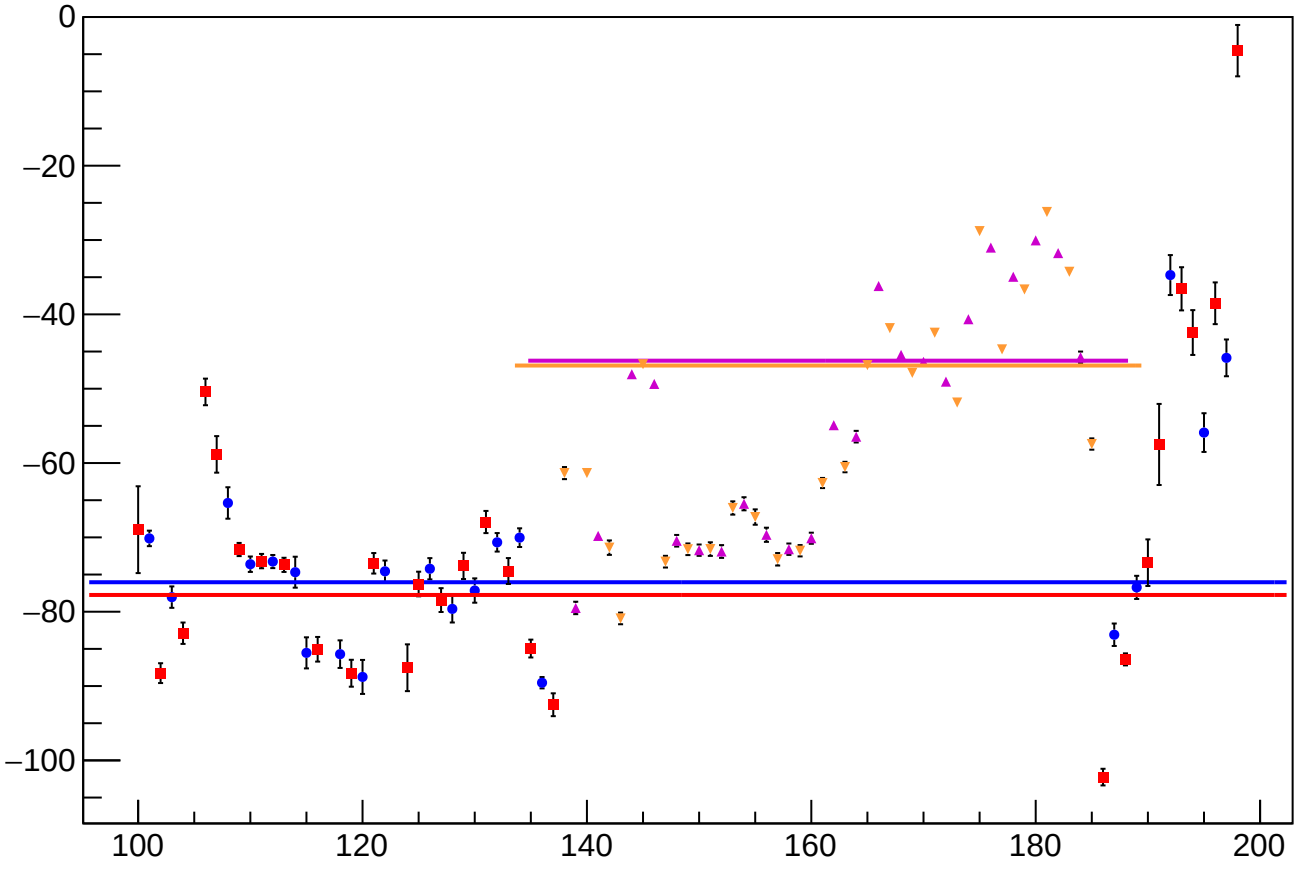
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.503+/-0.086 χ^2/NDF: 5004.3/45

All: 6.310+/-0.061 χ^2/NDF: 8784.2/95

- sign 6.111+/-0.087 χ^2/NDF: 3769.7/49

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -76.034+/-0.306 χ^2/NDF: 981.3/20

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -77.746+/-0.287 χ^2/NDF: 2302.6/26

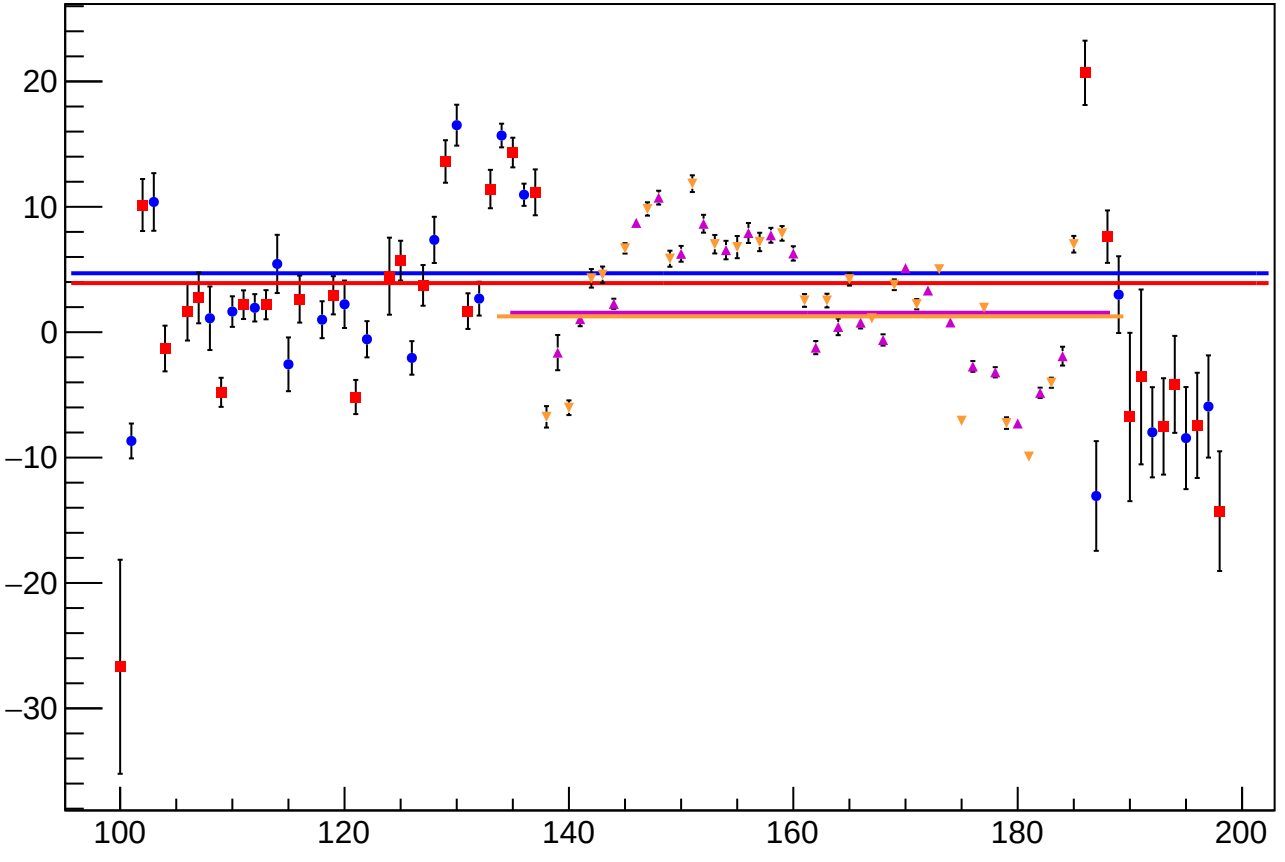
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

\+ sign -50.434+/-0.107 χ^2/NDF: 26935.4/45

All: -50.557+/-0.076 χ^2/NDF: 54789.4/95

\- sign -50.683+/-0.108 χ^2/NDF: 27851.4/49

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.701+/-0.342 χ^2/NDF: 460.3/20

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.917+/-0.347 χ^2/NDF: 376.1/26

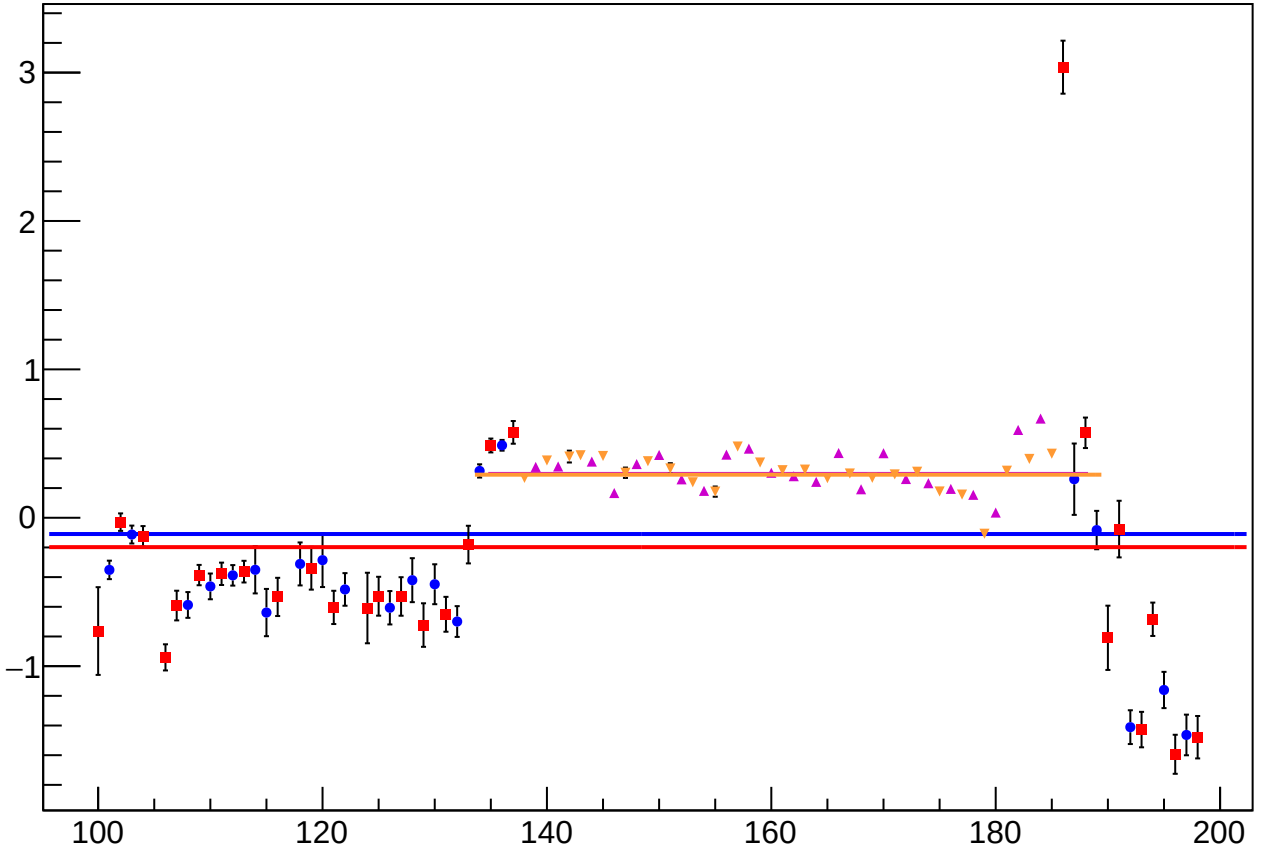
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.534+/-0.096 χ^2/NDF: 3998.9/45

All: 1.635+/-0.069 χ^2/NDF: 6755.8/95

- sign 1.739+/-0.098 χ^2/NDF: 2754.6/49

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.110+/-0.018 χ^2/NDF: 837.2/20

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.198+/-0.019 χ^2/NDF: 1209.1/26

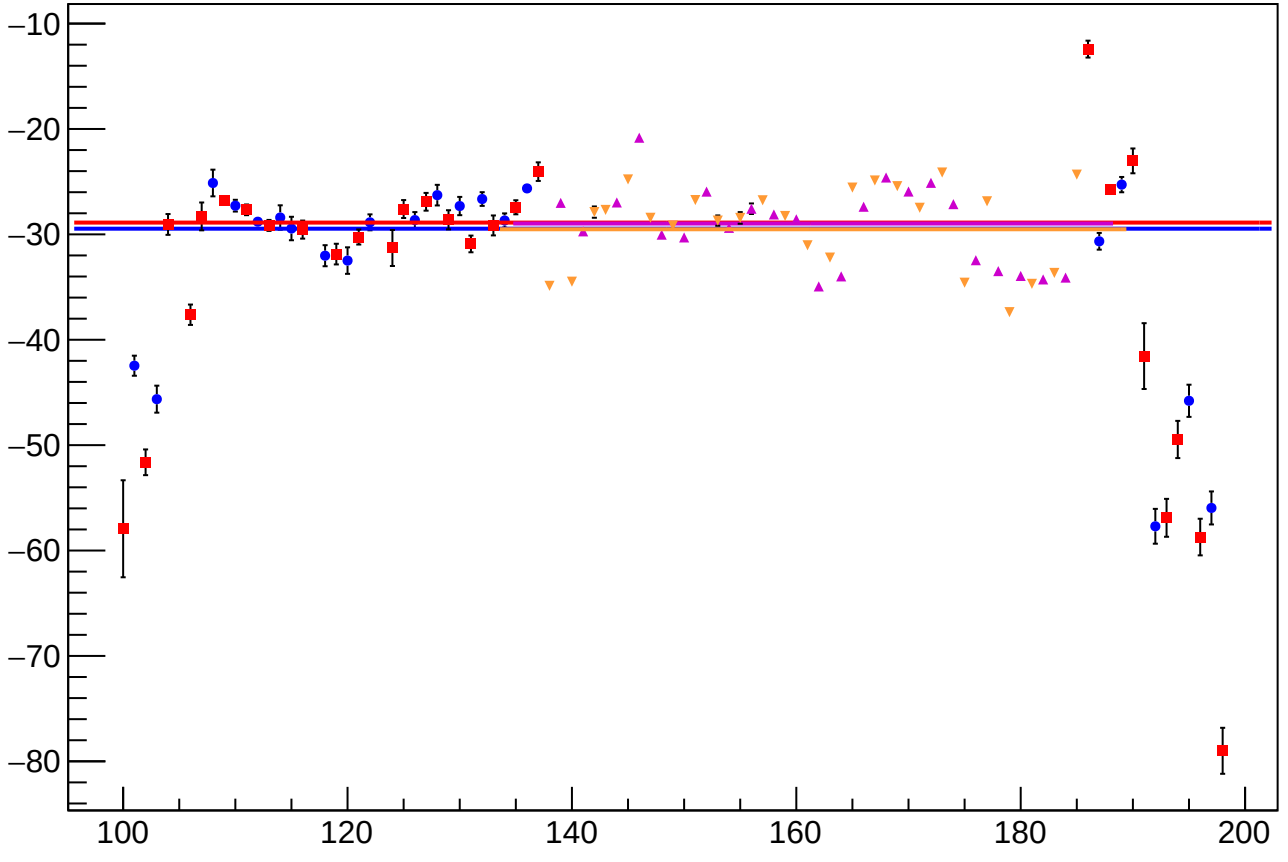
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.267+/-0.004 χ^2/NDF: 2017.8/45

All: 0.267+/-0.003 χ^2/NDF: 4923.1/95

- sign 0.267+/-0.004 χ^2/NDF: 2905.4/49

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -29.462+/-0.172 χ^2/NDF: 1232.1/20

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.883+/-0.160 χ^2/NDF: 2276.4/26

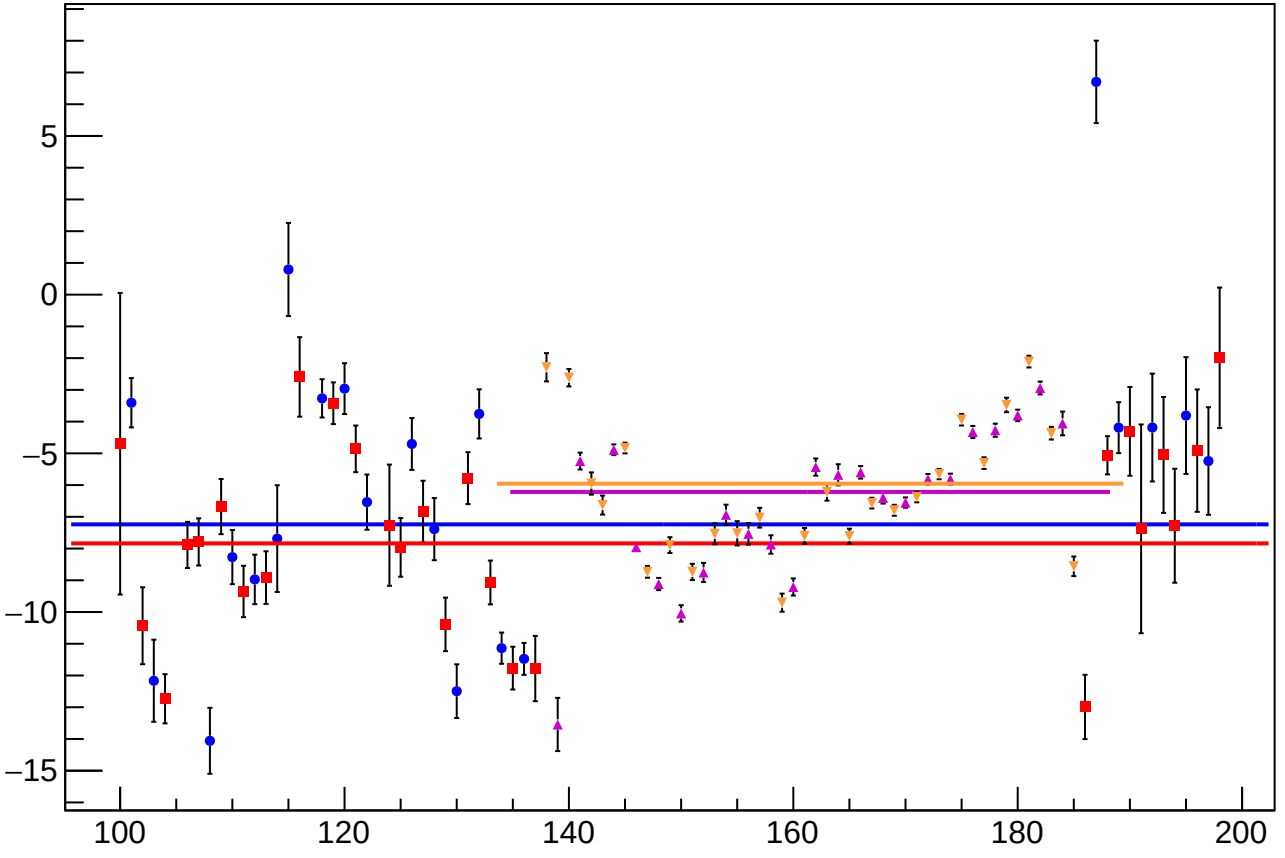
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.511+/-0.054 χ^2/NDF: 7320.7/45

All: -29.237+/-0.038 χ^2/NDF: 14998.5/95

- sign -28.961+/-0.054 χ^2/NDF: 7625.2/49

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.238+/-0.184 χ^2/NDF: 530.5/20

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.838+/-0.179 χ^2/NDF: 264.8/26

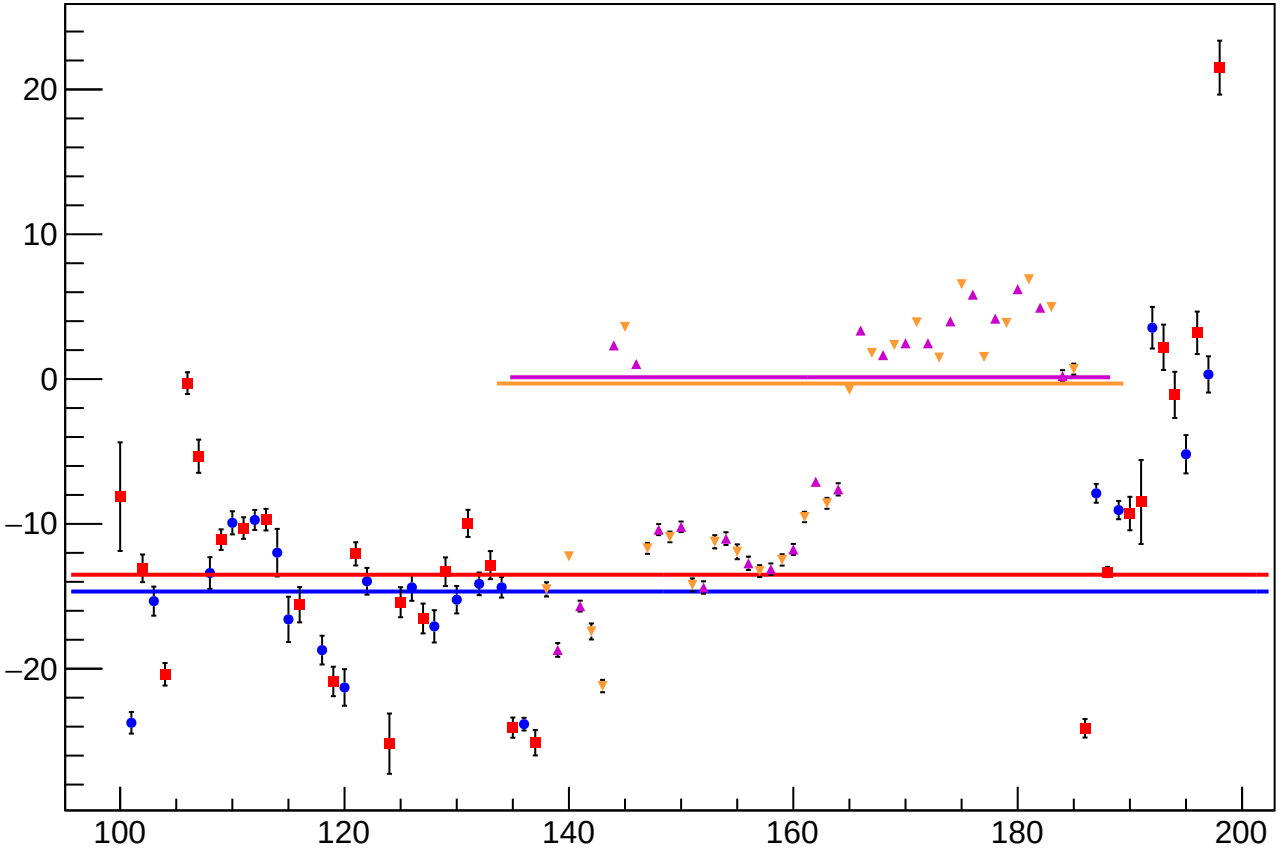
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.027+/-0.043 χ^2/NDF: 2434.0/45

All: -6.169+/-0.030 χ^2/NDF: 4539.7/95

- sign -6.310+/-0.043 χ^2/NDF: 2084.0/49

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -14.670+/-0.185 χ^2/NDF: 1271.7/20

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.510+/-0.167 χ^2/NDF: 1954.5/26

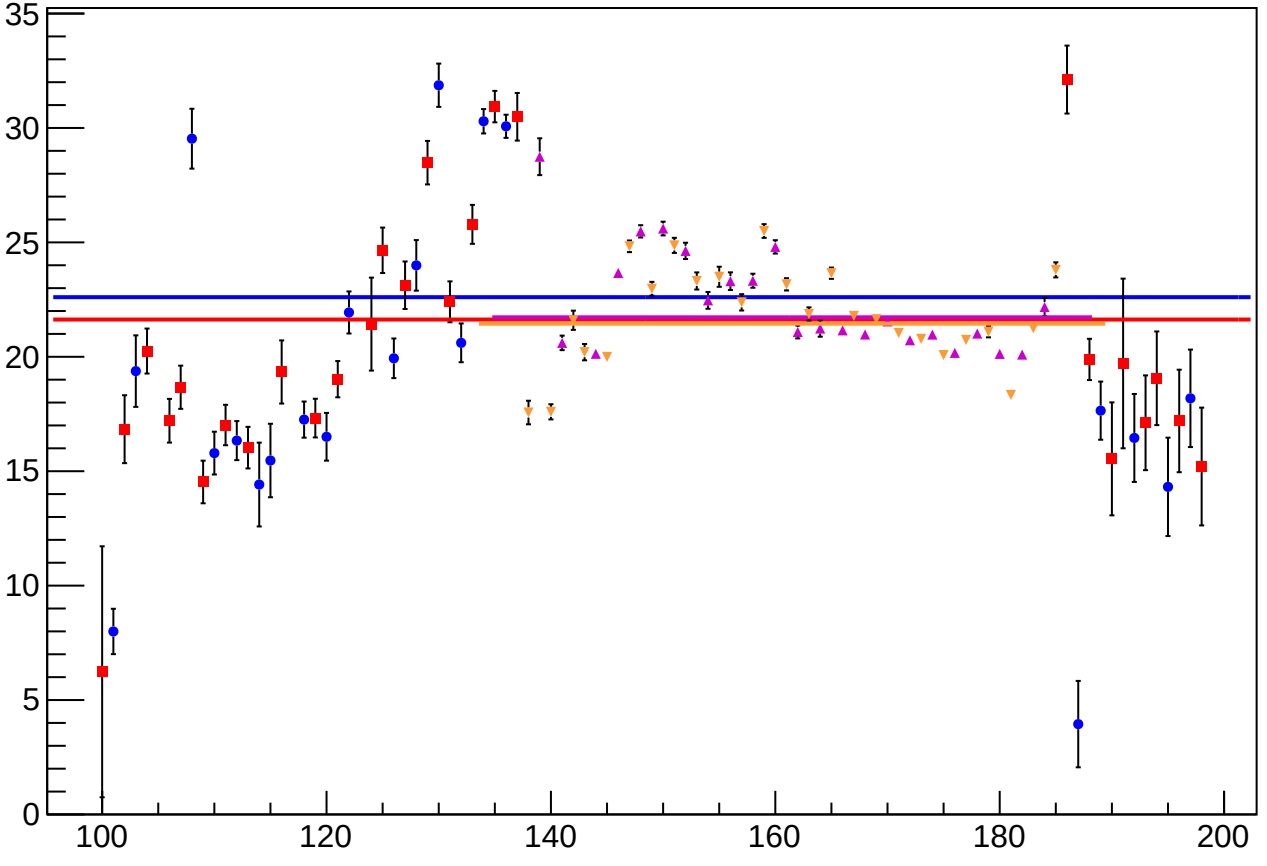
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.540+/-0.054 χ^2/NDF: 23992.8/45

All: -1.416+/-0.038 χ^2/NDF: 45743.9/95

- sign -1.292+/-0.054 χ^2/NDF: 21740.6/49

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.605+/-0.210 χ^2/NDF: 1158.2/20

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.628+/-0.210 χ^2/NDF: 634.9/26

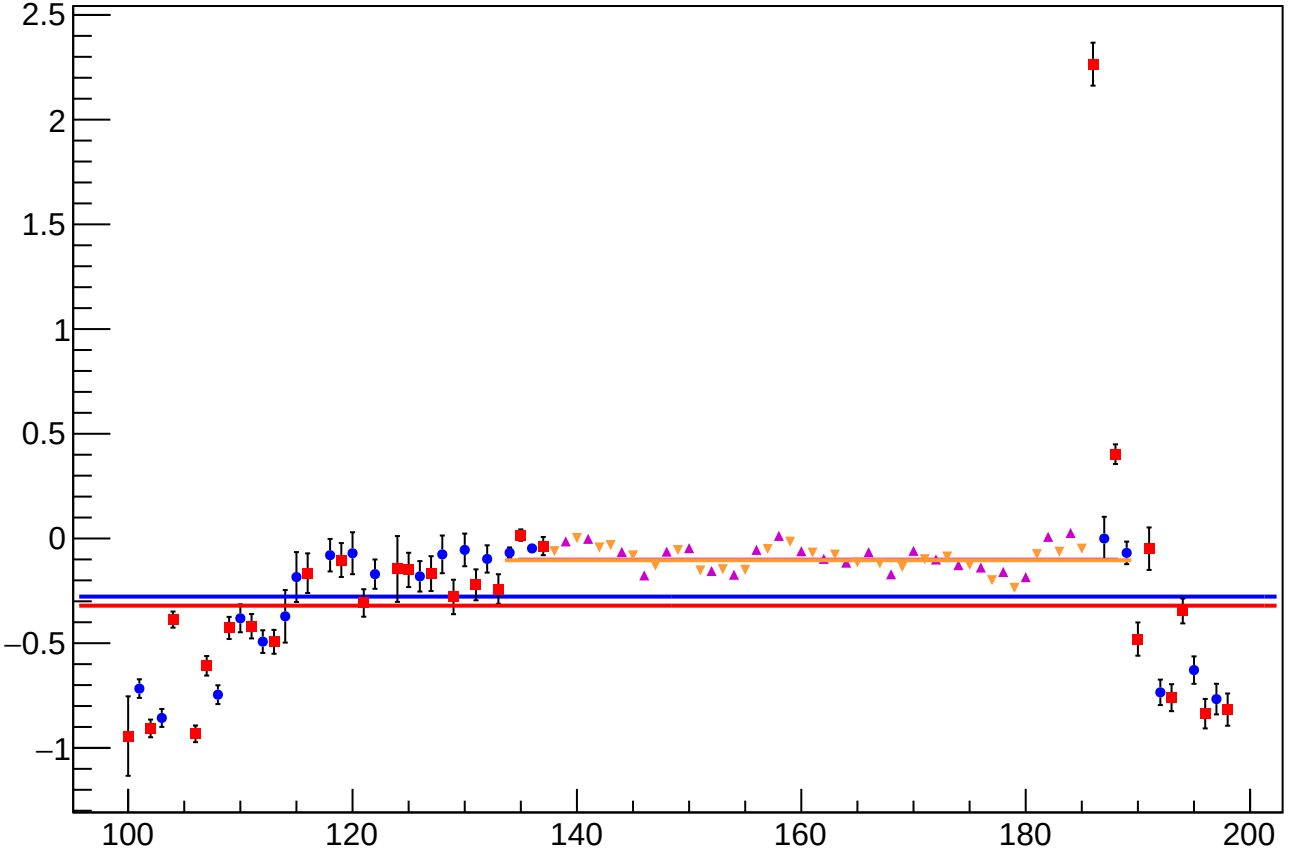
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.508+/-0.048 χ^2/NDF: 2512.2/45

All: 21.614+/-0.034 χ^2/NDF: 4330.7/95

- sign 21.720+/-0.048 χ^2/NDF: 1808.8/49

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.278+/-0.011 χ^2/NDF: 791.1/20

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.321+/-0.011 χ^2/NDF: 1739.7/26

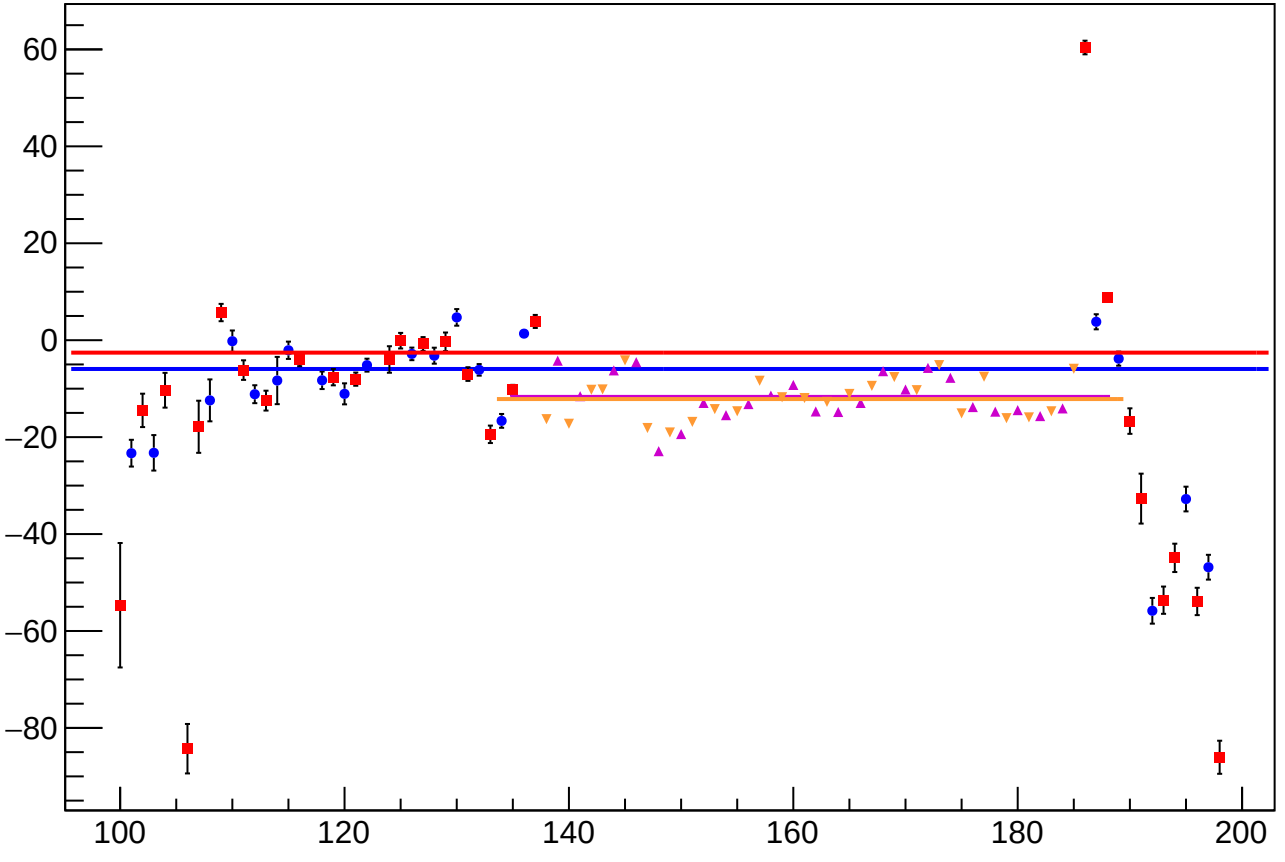
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1584.5/45

All: -0.110+/-0.002 χ^2/NDF: 4463.9/95

- sign -0.110+/-0.002 χ^2/NDF: 2879.3/49

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -5.937+/-0.349 χ^2/NDF: 1071.1/20

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -2.566+/-0.340 χ^2/NDF: 4265.7/26

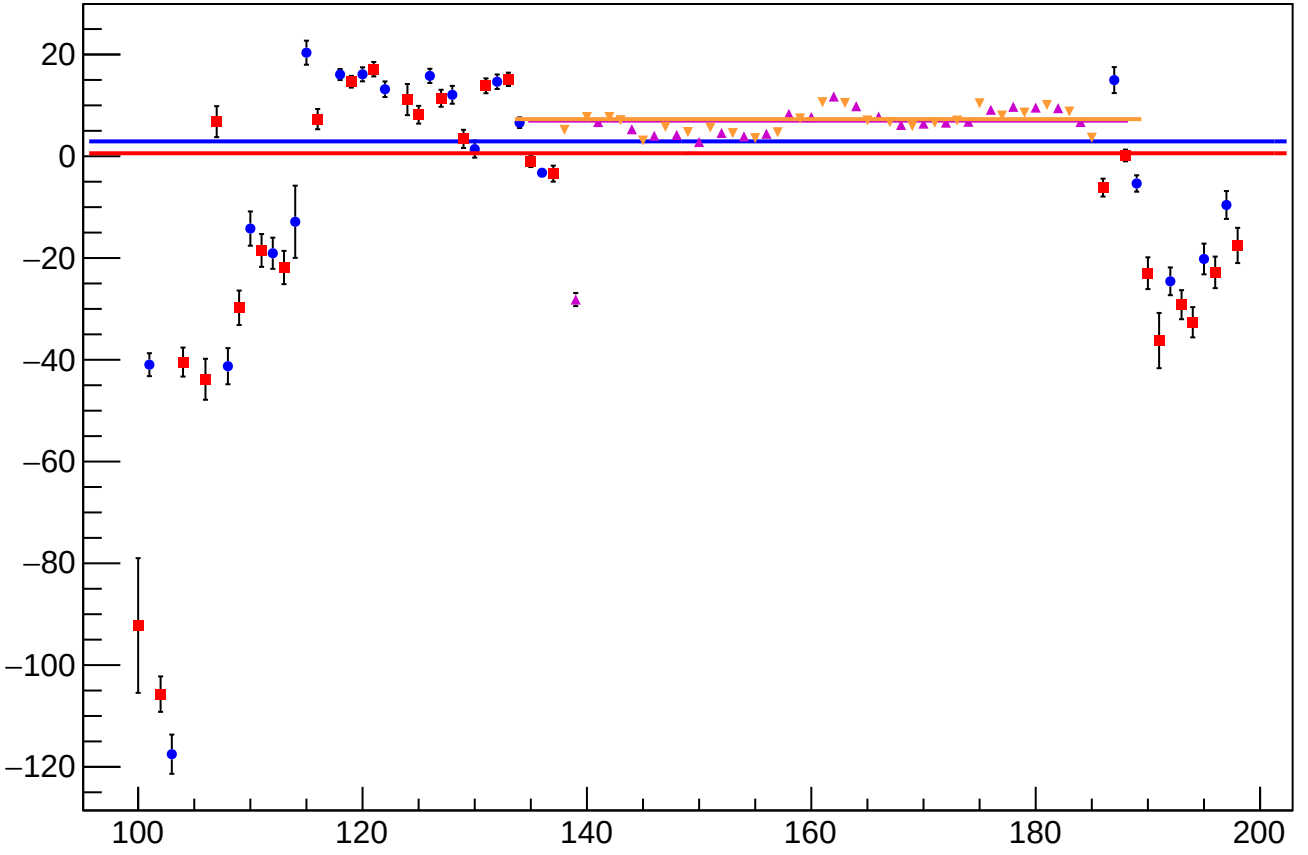
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.744+/-0.089 χ^2/NDF: 3496.8/45

All: -11.405+/-0.063 χ^2/NDF: 10413.1/95

- sign -11.047+/-0.091 χ^2/NDF: 6886.0/49

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 2.925+/-0.361 χ^2/NDF: 2411.1/20

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 0.589+/-0.372 χ^2/NDF: 2497.4/26

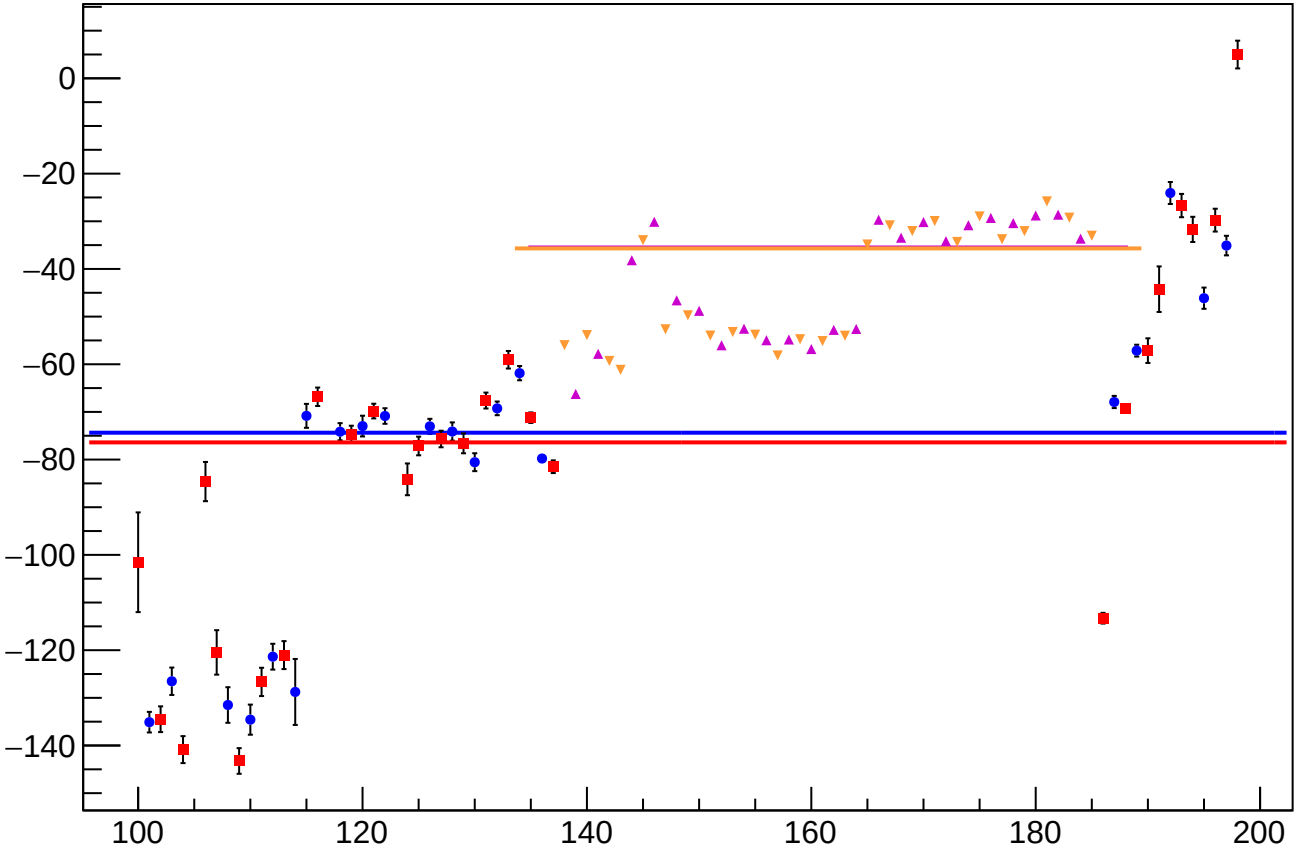
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.117+/-0.073 χ^2/NDF: 3374.3/45

All: 6.934+/-0.052 χ^2/NDF: 7746.0/95

- sign 6.747+/-0.074 χ^2/NDF: 4359.2/49

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -74.364+/-0.362 χ^2/NDF: 3460.8/20

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -76.396+/-0.342 χ^2/NDF: 5570.0/26

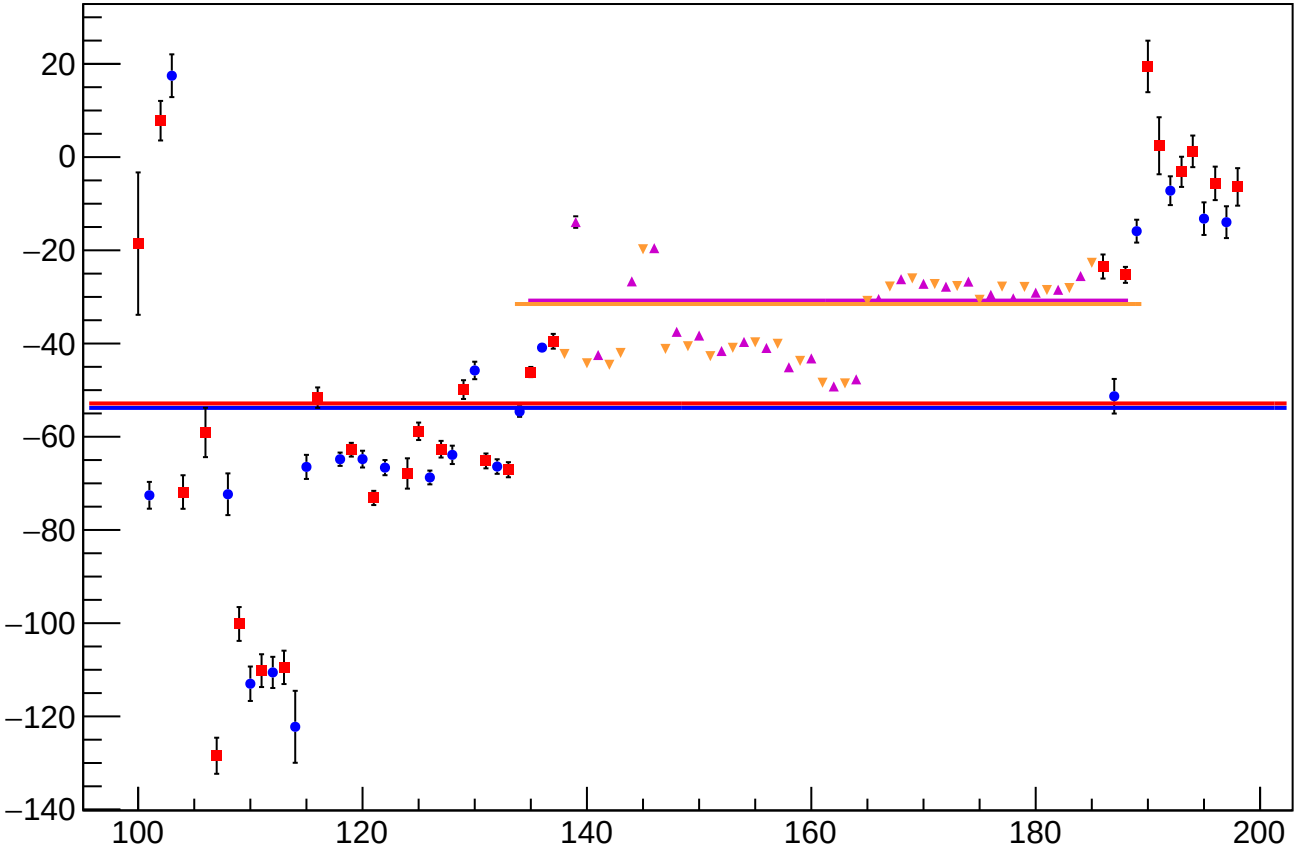
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.050+/-0.089 χ^2/NDF: 26966.8/45

All: -38.225+/-0.064 χ^2/NDF: 57016.3/95

- sign -38.408+/-0.091 χ^2/NDF: 30041.6/49

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -53.809+/-0.407 χ^2/NDF: 2323.9/20

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -52.855+/-0.430 χ^2/NDF: 3276.1/26

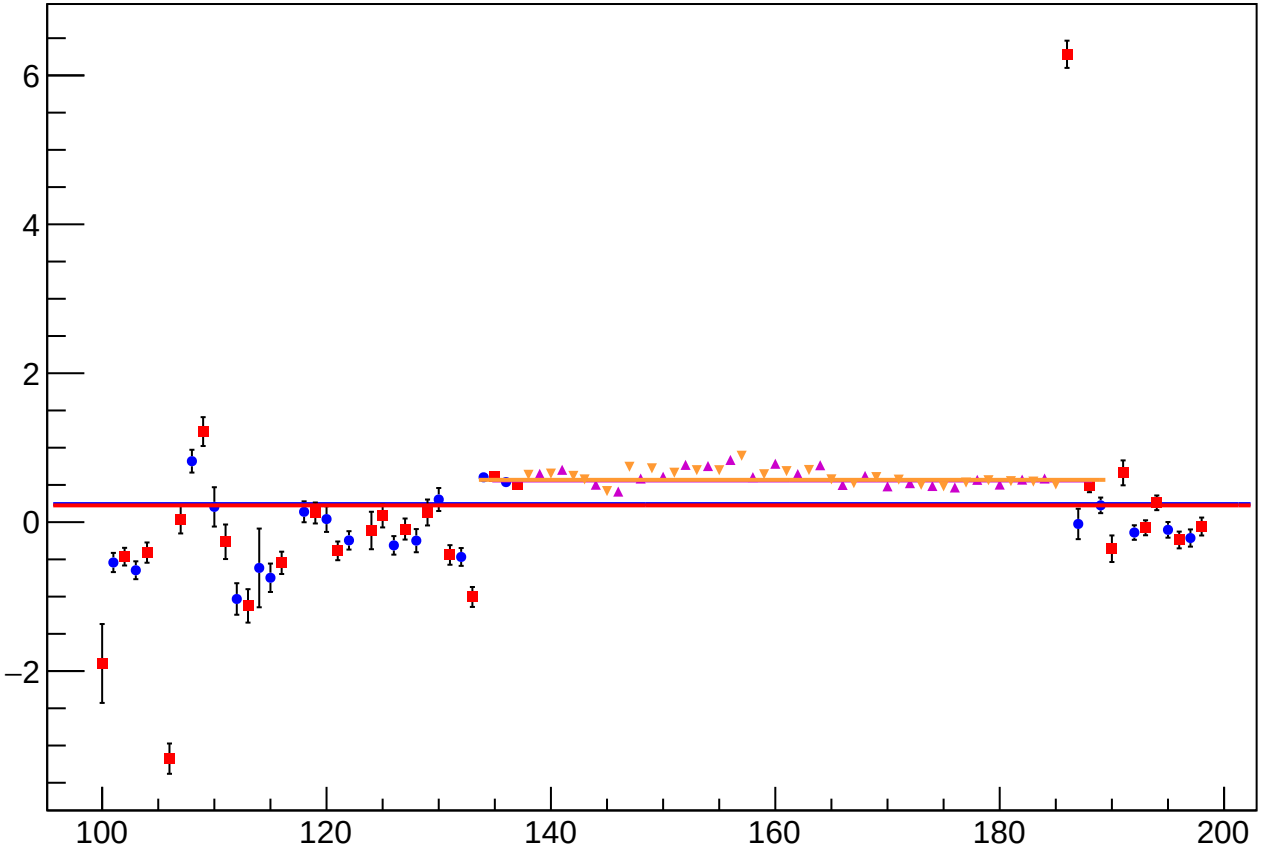
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.404+/-0.081 χ^2/NDF: 13657.6/45

All: -32.012+/-0.058 χ^2/NDF: 27061.8/95

- sign -31.604+/-0.083 χ^2/NDF: 13356.6/49

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.243+/-0.021 χ^2/NDF: 425.0/20

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.225+/-0.022 χ^2/NDF: 1841.2/26

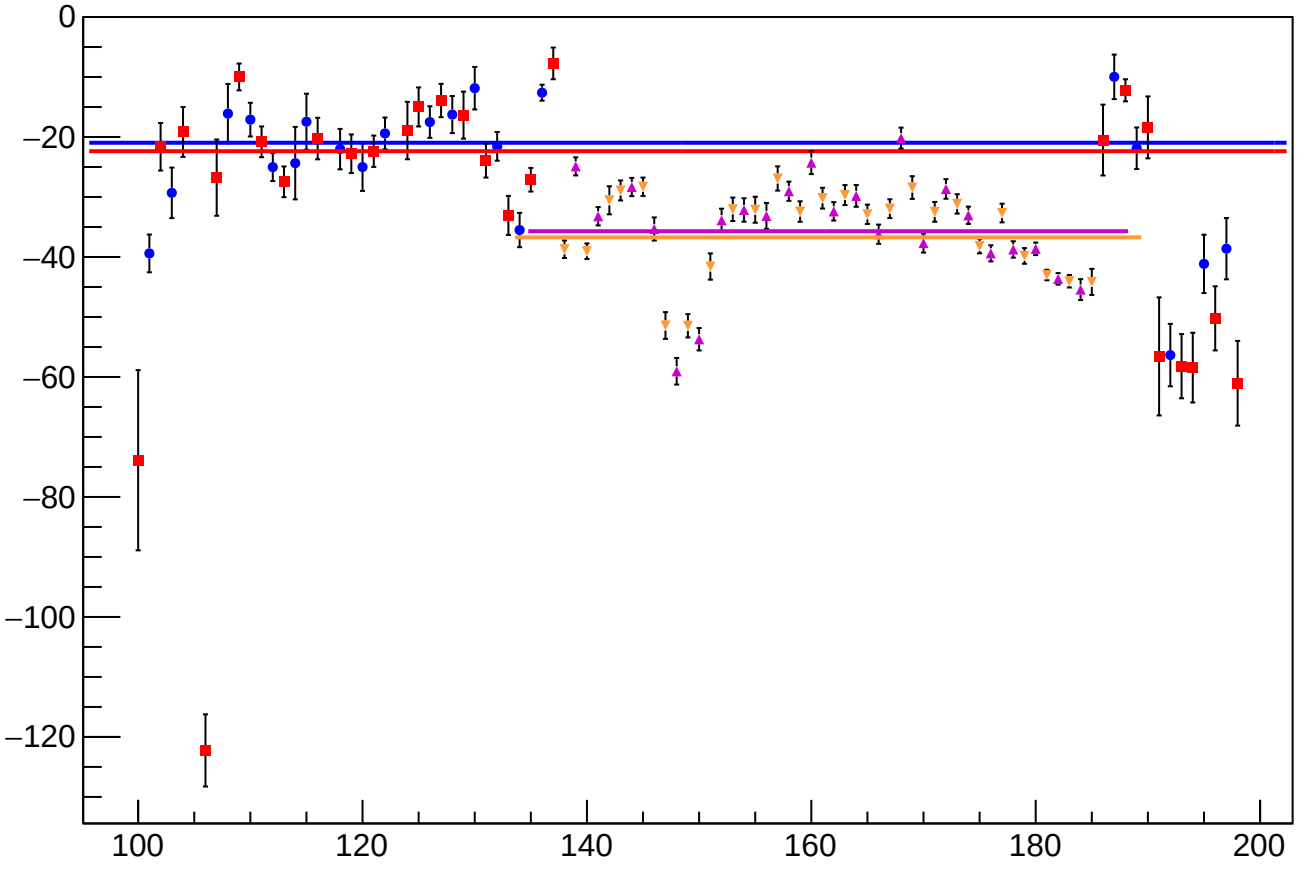
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.558+/-0.004 χ^2/NDF: 1214.5/45

All: 0.555+/-0.003 χ^2/NDF: 3948.3/95

- sign 0.551+/-0.004 χ^2/NDF: 2731.5/49

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -20.956+/-0.653 χ^2/NDF: 207.1/20

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.368+/-0.638 χ^2/NDF: 572.9/26

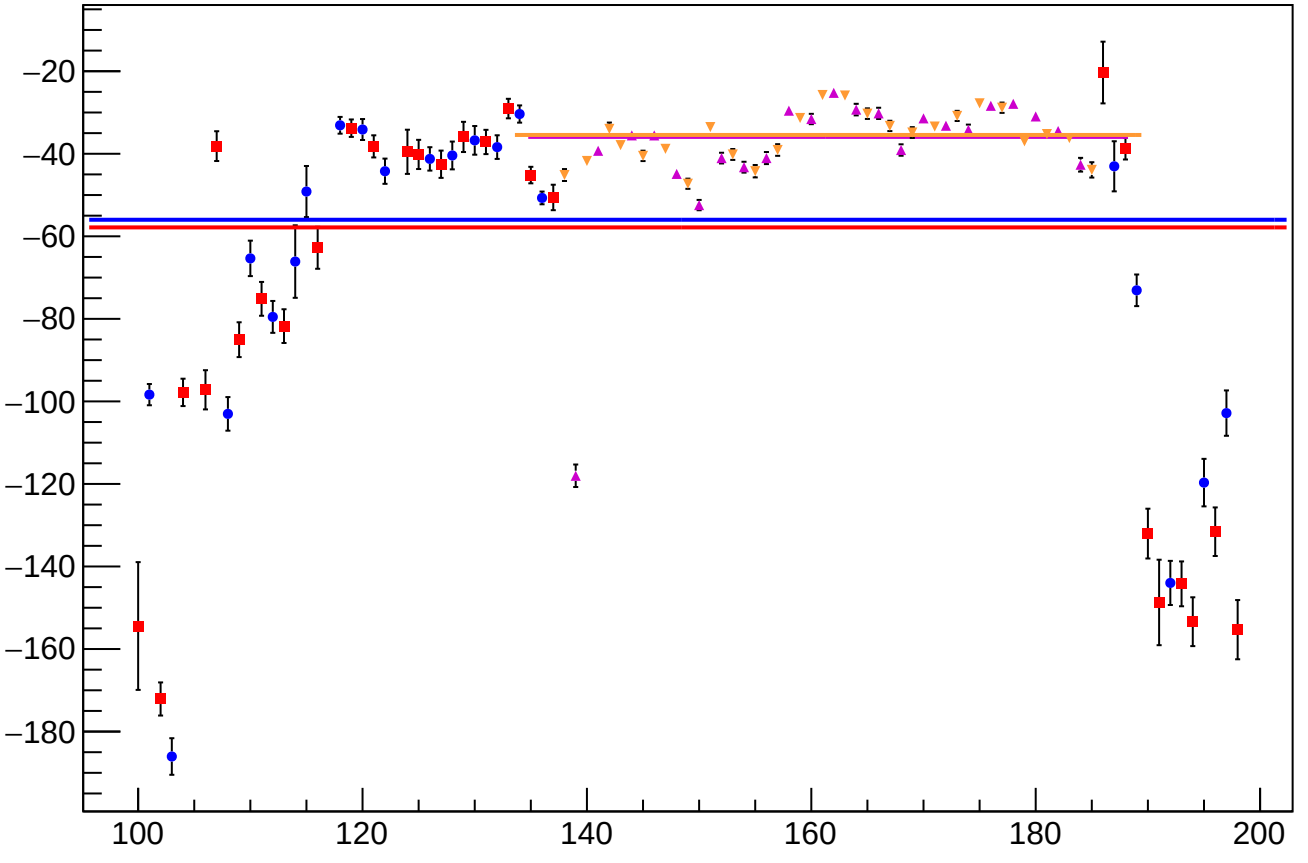
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.821+/-0.280 χ^2/NDF: 1103.5/45

All: -33.414+/-0.201 χ^2/NDF: 2607.0/95

- sign -32.984+/-0.288 χ^2/NDF: 1499.1/49

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -55.989+/-0.676 χ^2/NDF: 2295.8/20

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -57.841+/-0.691 χ^2/NDF: 2870.7/26

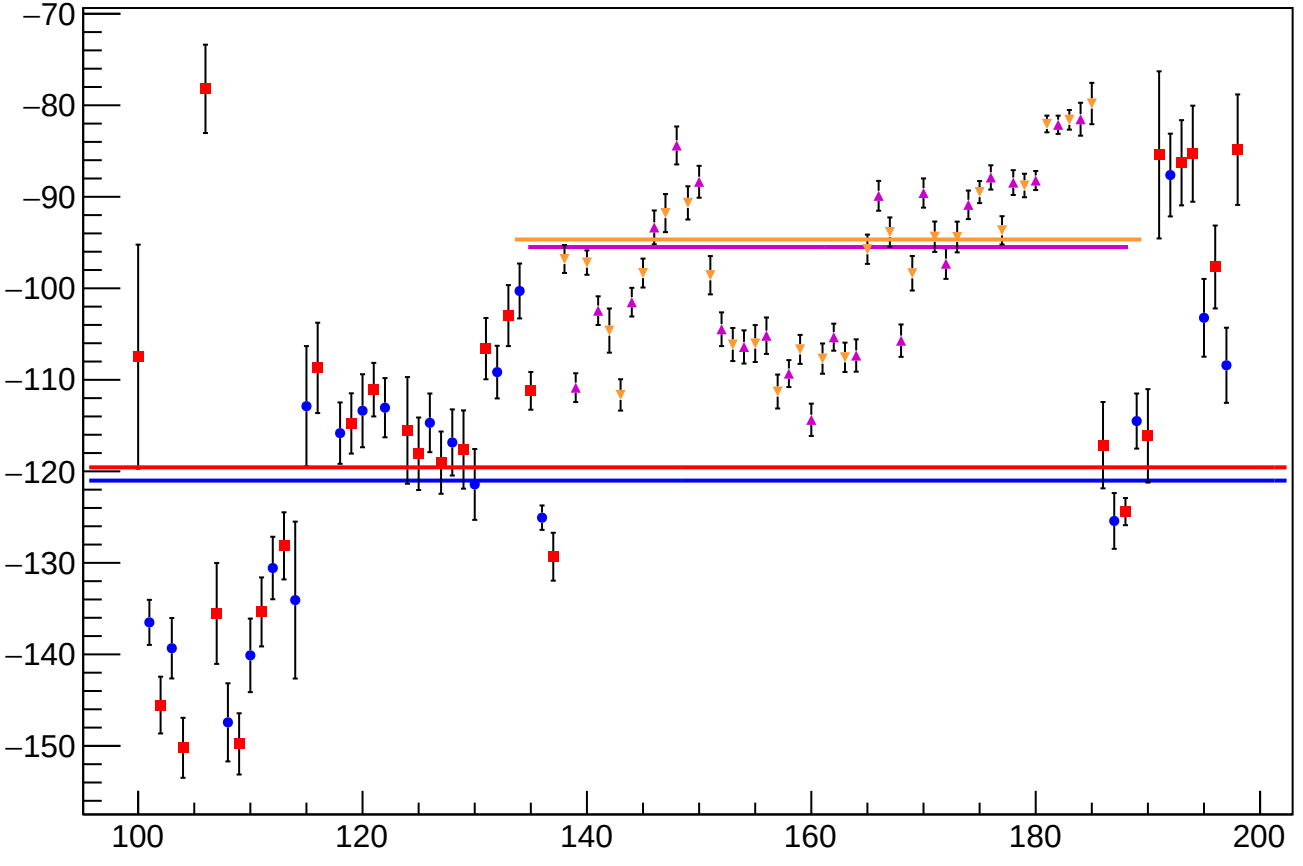
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

\+ sign -37.825+/-0.230 χ^2/NDF: 3650.1/45

All: -38.180+/-0.166 χ^2/NDF: 8955.3/95

\- sign -38.565+/-0.240 χ^2/NDF: 5300.3/49

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -121.010+/-0.681 χ^2/NDF: 322.3/20

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -119.560+/-0.664 χ^2/NDF: 606.8/26

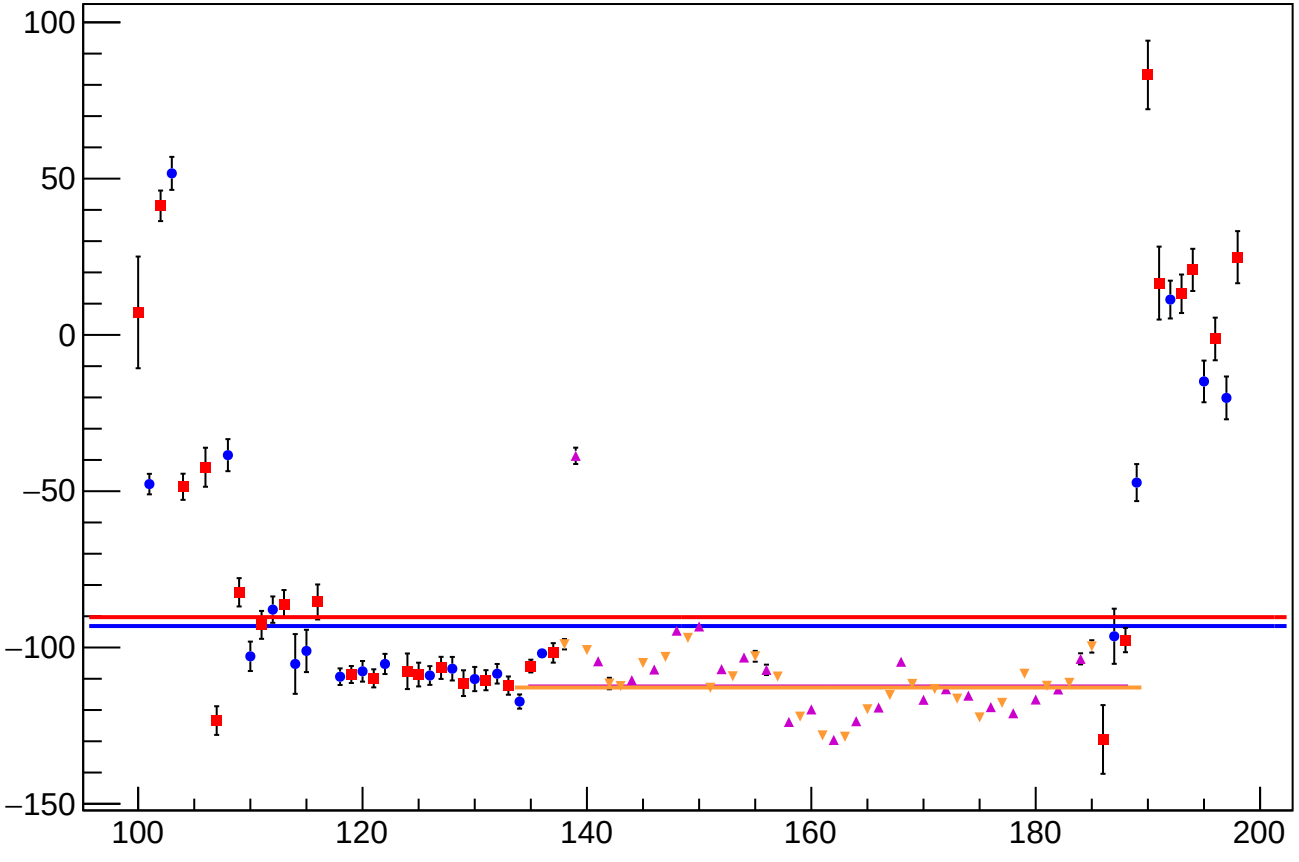
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.186+/-0.282 χ^2/NDF: 2464.0/45

All: -99.608+/-0.202 χ^2/NDF: 5109.8/95

- sign -100.050+/-0.289 χ^2/NDF: 2641.2/49

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -93.136+/-0.766 χ^2/NDF: 1975.4/20

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -90.289+/-0.795 χ^2/NDF: 2574.5/26

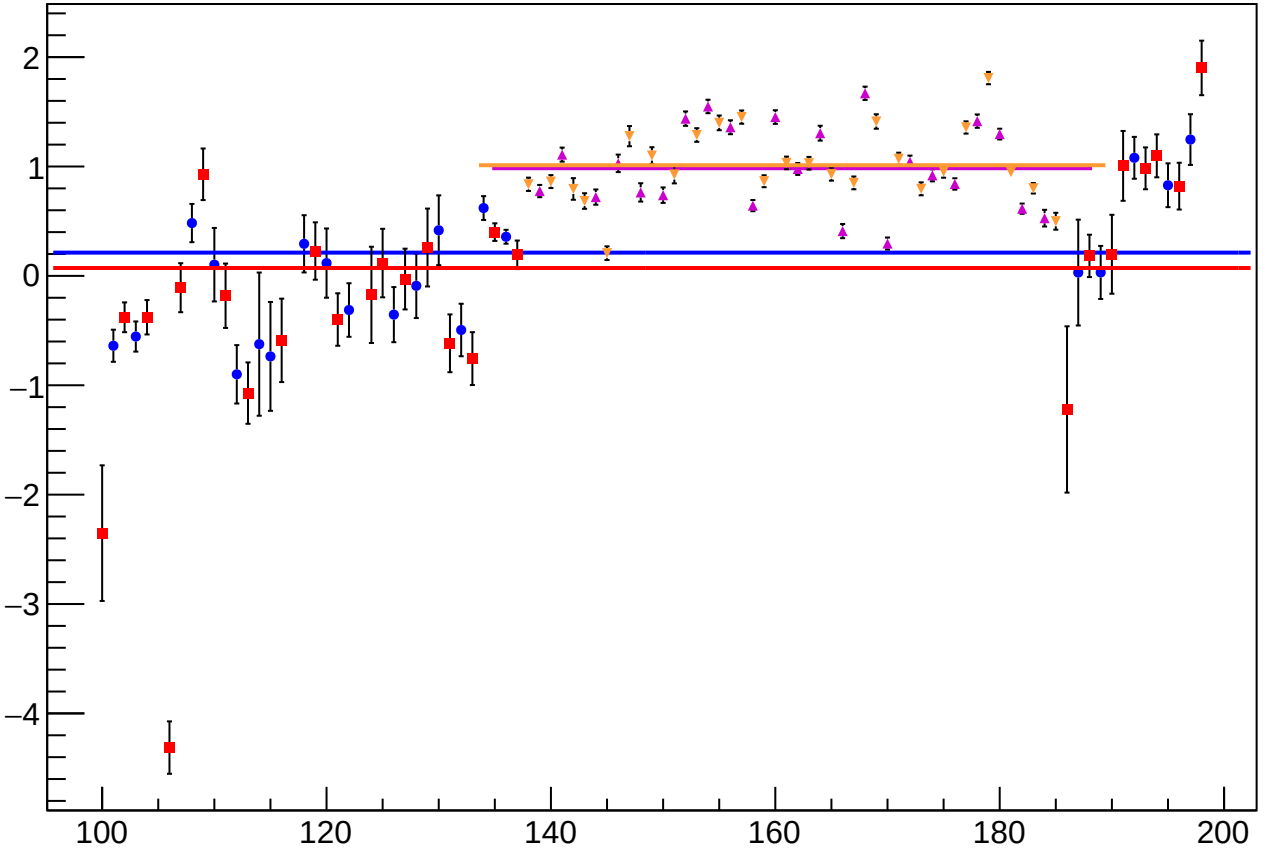
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -110.565+/-0.258 χ^2/NDF: 3495.2/45

All: -110.266+/-0.186 χ^2/NDF: 8550.7/95

- sign -109.942+/-0.268 χ^2/NDF: 5052.7/49

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.213+/-0.038 χ^2/NDF: 179.5/20

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.072+/-0.040 χ^2/NDF: 572.6/26

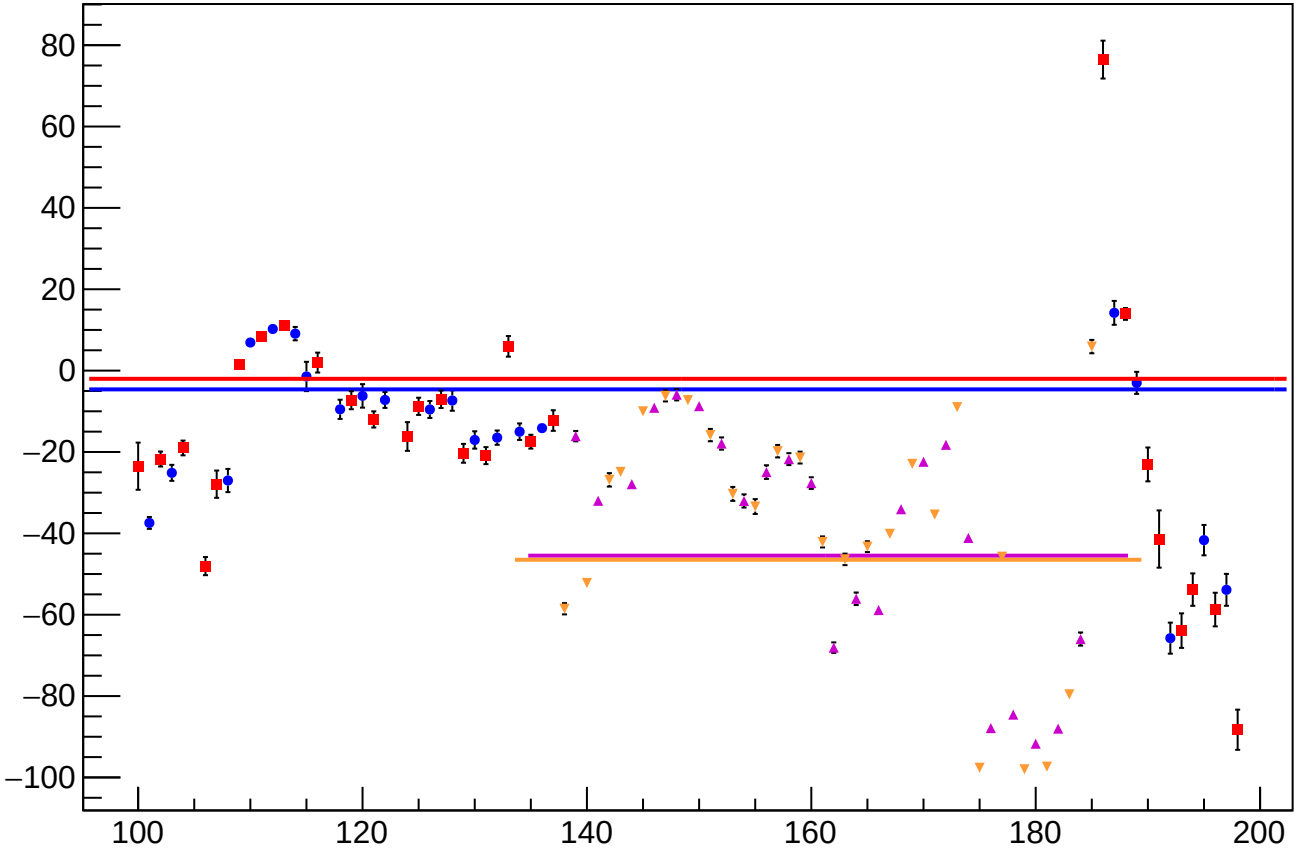
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.938+/-0.012 χ^2/NDF: 1265.0/45

All: 0.920+/-0.008 χ^2/NDF: 3221.7/95

- sign 0.902+/-0.012 χ^2/NDF: 1952.1/49

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -4.615+/-0.365 χ^2/NDF: 2091.7/20

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -2.013+/-0.324 χ^2/NDF: 2864.8/26

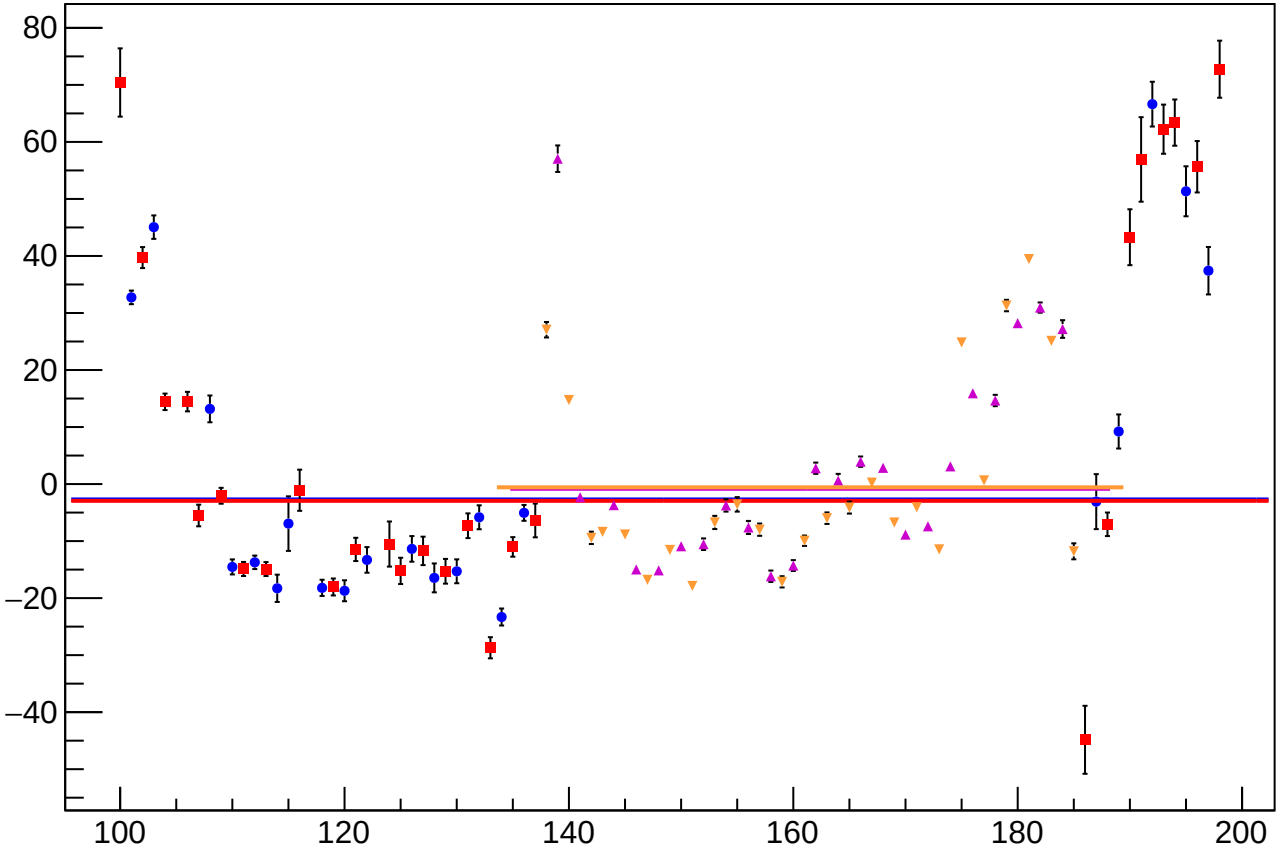
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.589+/-0.195 χ^2/NDF: 31555.6/45

All: -32.386+/-0.137 χ^2/NDF: 61966.8/95

- sign -30.253+/-0.192 χ^2/NDF: 30159.1/49

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -2.698+/-0.418 χ^2/NDF: 2743.0/20

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -2.939+/-0.404 χ^2/NDF: 2647.0/26

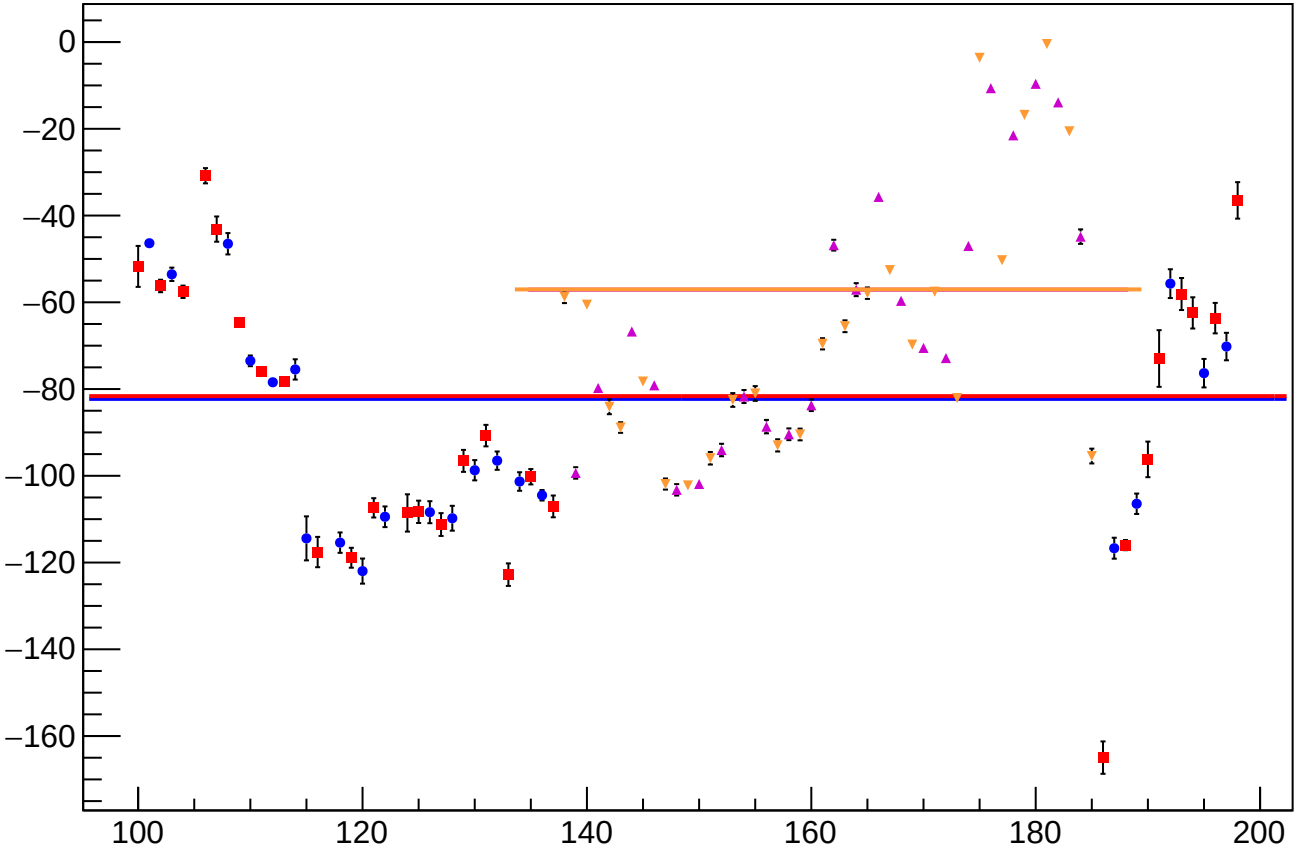
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.896+/-0.163 χ^2/NDF: 11216.3/45

All: -1.039+/-0.117 χ^2/NDF: 20004.2/95

- sign -1.188+/-0.167 χ^2/NDF: 8786.3/49

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -82.266+/-0.414 χ^2/NDF: 3268.2/20

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.635+/-0.380 χ^2/NDF: 4818.0/26

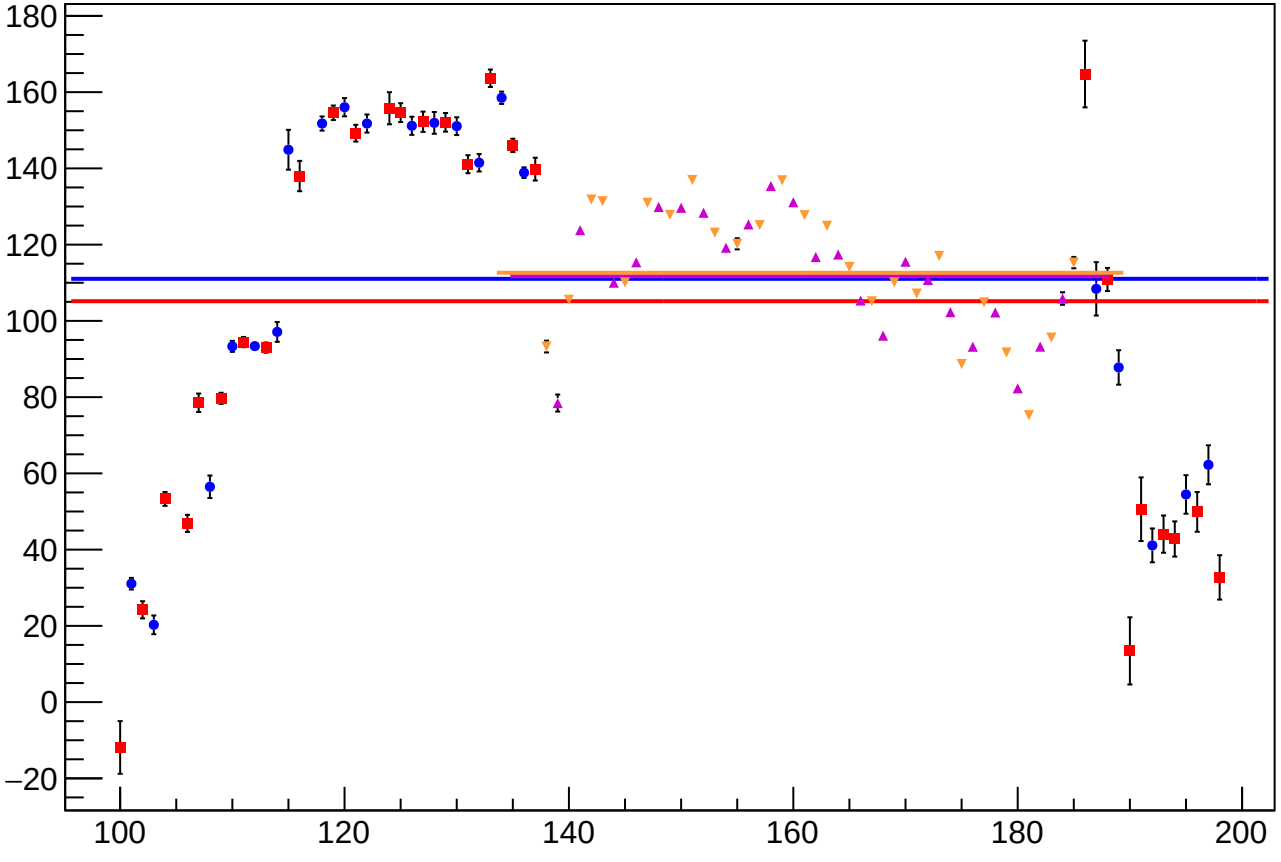
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.979+/-0.201 χ^2/NDF: 26419.4/45

All: -63.464+/-0.142 χ^2/NDF: 51424.0/95

- sign -63.949+/-0.201 χ^2/NDF: 24992.9/49

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.035+/-0.478 χ^2/NDF: 8713.5/20

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 105.165+/-0.463 χ^2/NDF: 8375.1/26

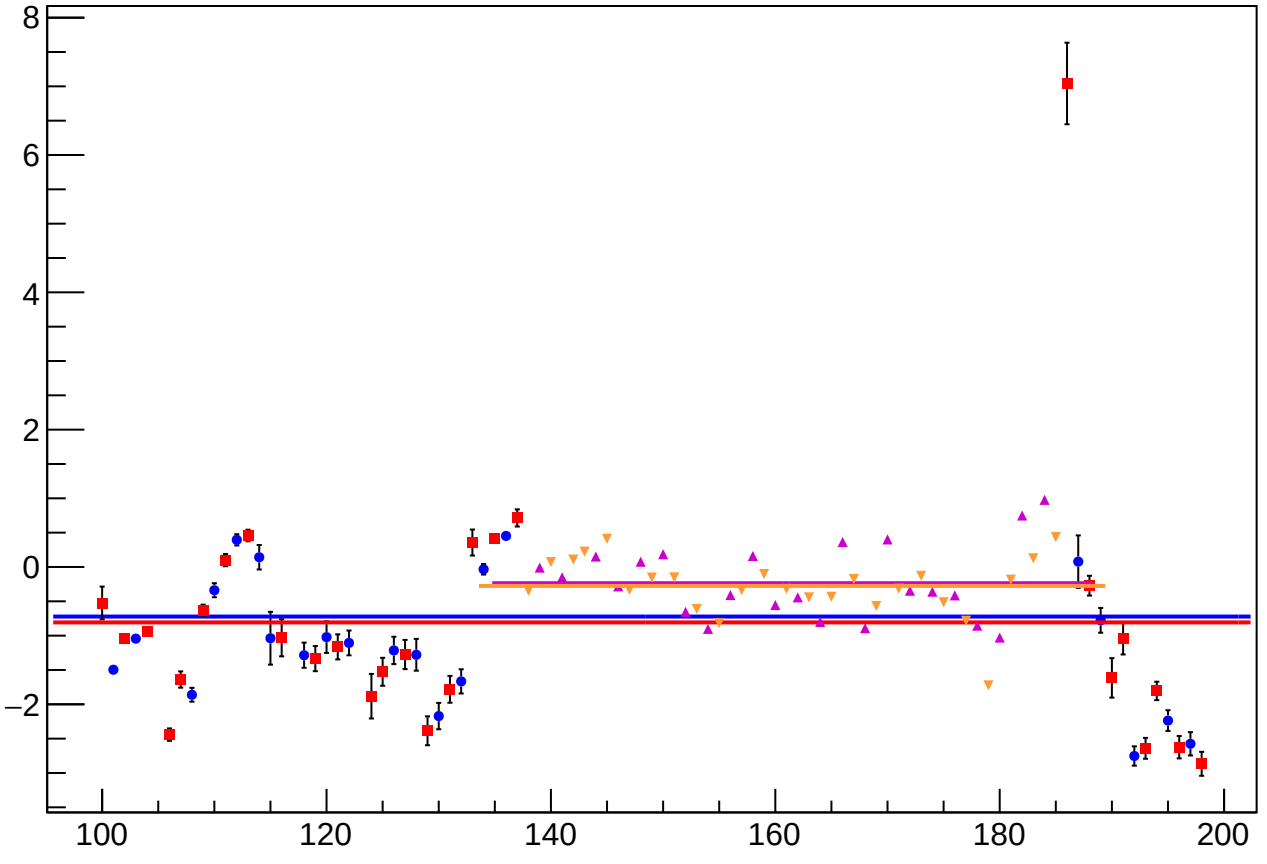
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.388+/-0.184 χ^2/NDF: 15430.9/45

All: 111.531+/-0.132 χ^2/NDF: 28913.9/95

- sign 110.638+/-0.188 χ^2/NDF: 13438.9/49

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.722+/-0.024 χ^2/NDF: 1565.7/20

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.807+/-0.023 χ^2/NDF: 2012.9/26

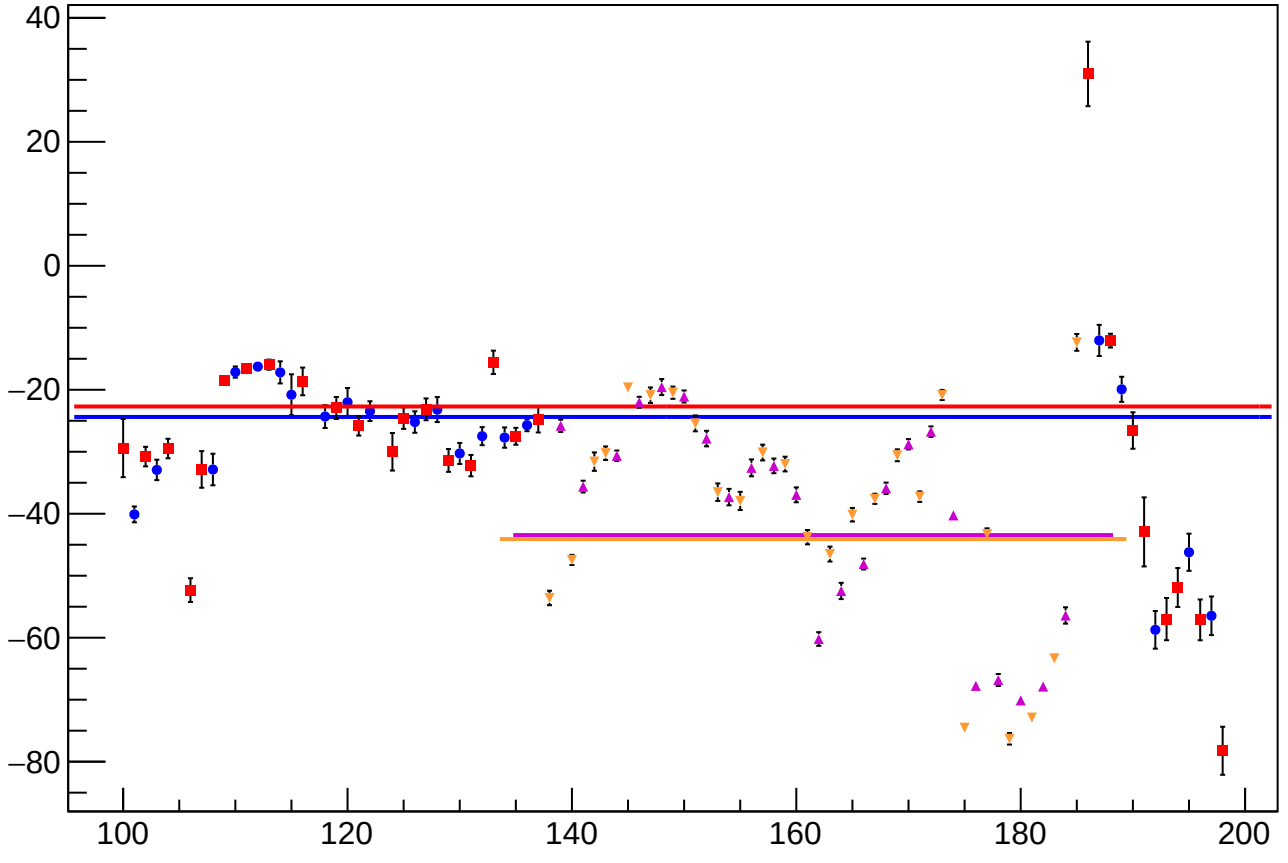
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.329+/-0.008 χ^2/NDF: 3981.0/45

All: -0.321+/-0.006 χ^2/NDF: 9472.0/95

- sign -0.313+/-0.009 χ^2/NDF: 5489.1/49

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -24.385+/-0.334 χ^2/NDF: 727.6/20

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.698+/-0.302 χ^2/NDF: 1268.3/26

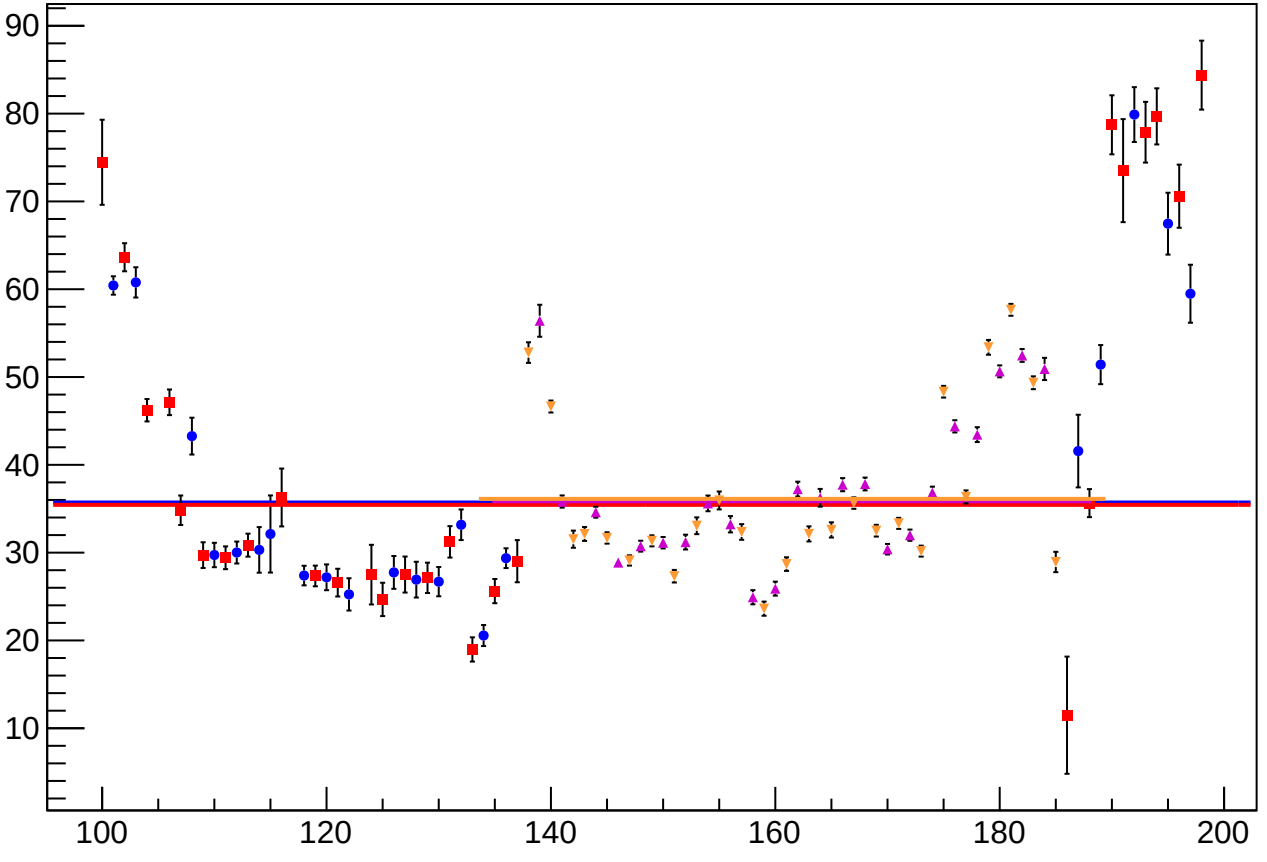
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

\+ sign -39.152+/-0.167 χ^2/NDF: 13677.4/45

All: -38.150+/-0.118 χ^2/NDF: 26138.3/95

\- sign -37.162+/-0.166 χ^2/NDF: 12389.4/49

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 35.710+/-0.362 χ^2/NDF: 1592.7/20

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 35.444+/-0.352 χ^2/NDF: 1735.0/26

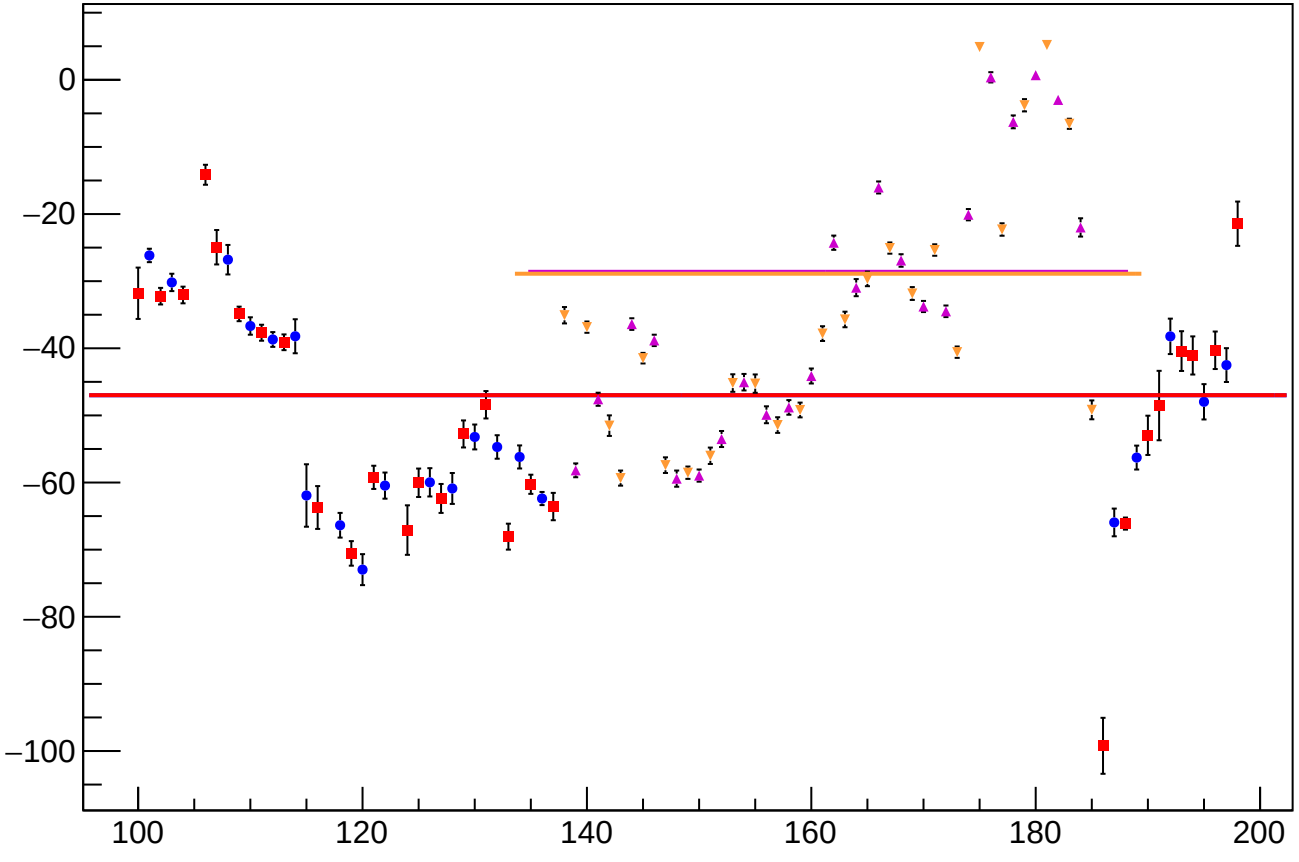
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.062+/-0.139 χ^2/NDF: 5152.3/45

All: 35.927+/-0.099 χ^2/NDF: 9183.9/95

- sign 35.786+/-0.142 χ^2/NDF: 4029.6/49

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -47.001+/-0.363 χ^2/NDF: 1619.9/20

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.983+/-0.335 χ^2/NDF: 2425.9/26

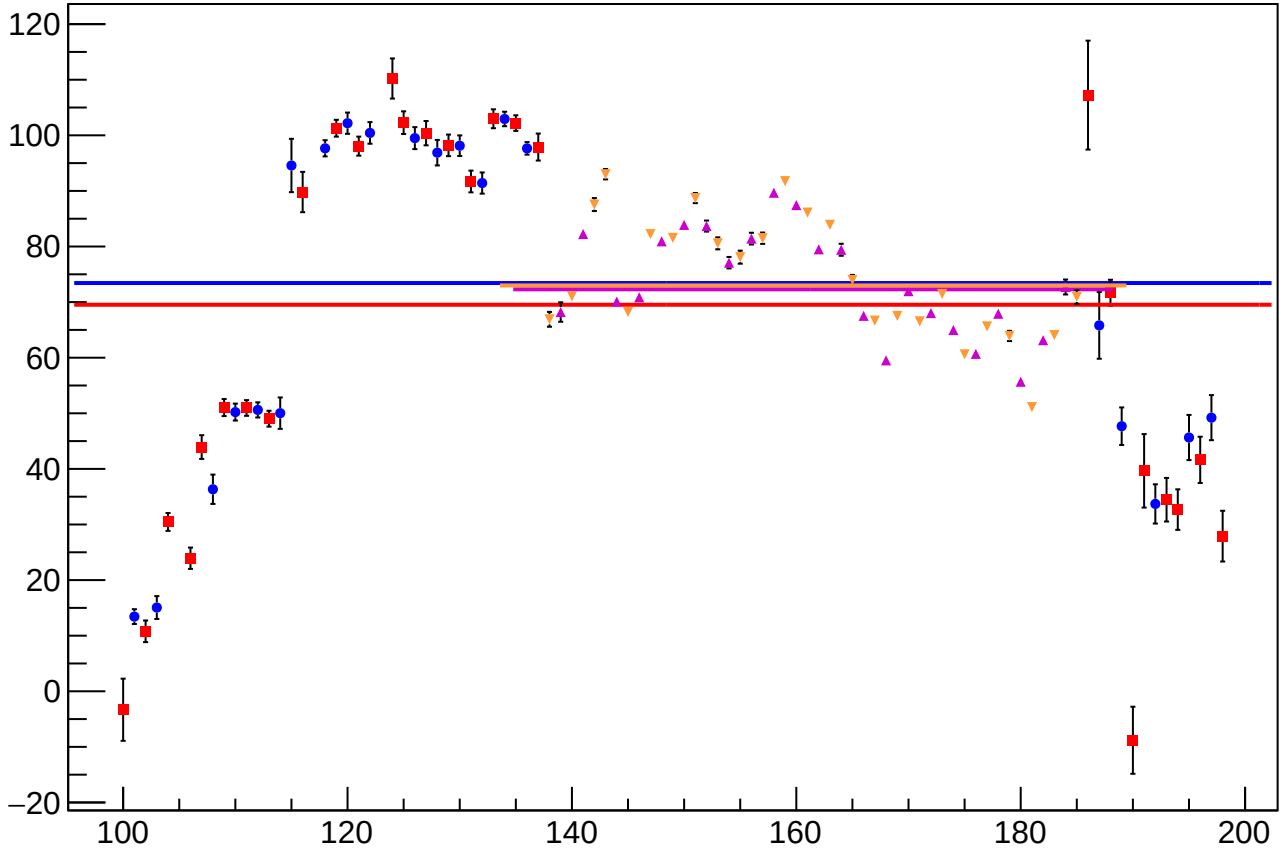
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.869+/-0.170 χ^2/NDF: 15357.2/45

All: -33.108+/-0.120 χ^2/NDF: 30030.2/95

- sign -33.348+/-0.170 χ^2/NDF: 14669.0/49

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 73.433+/-0.415 χ^2/NDF: 6111.3/20

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 69.528+/-0.408 χ^2/NDF: 6164.0/26

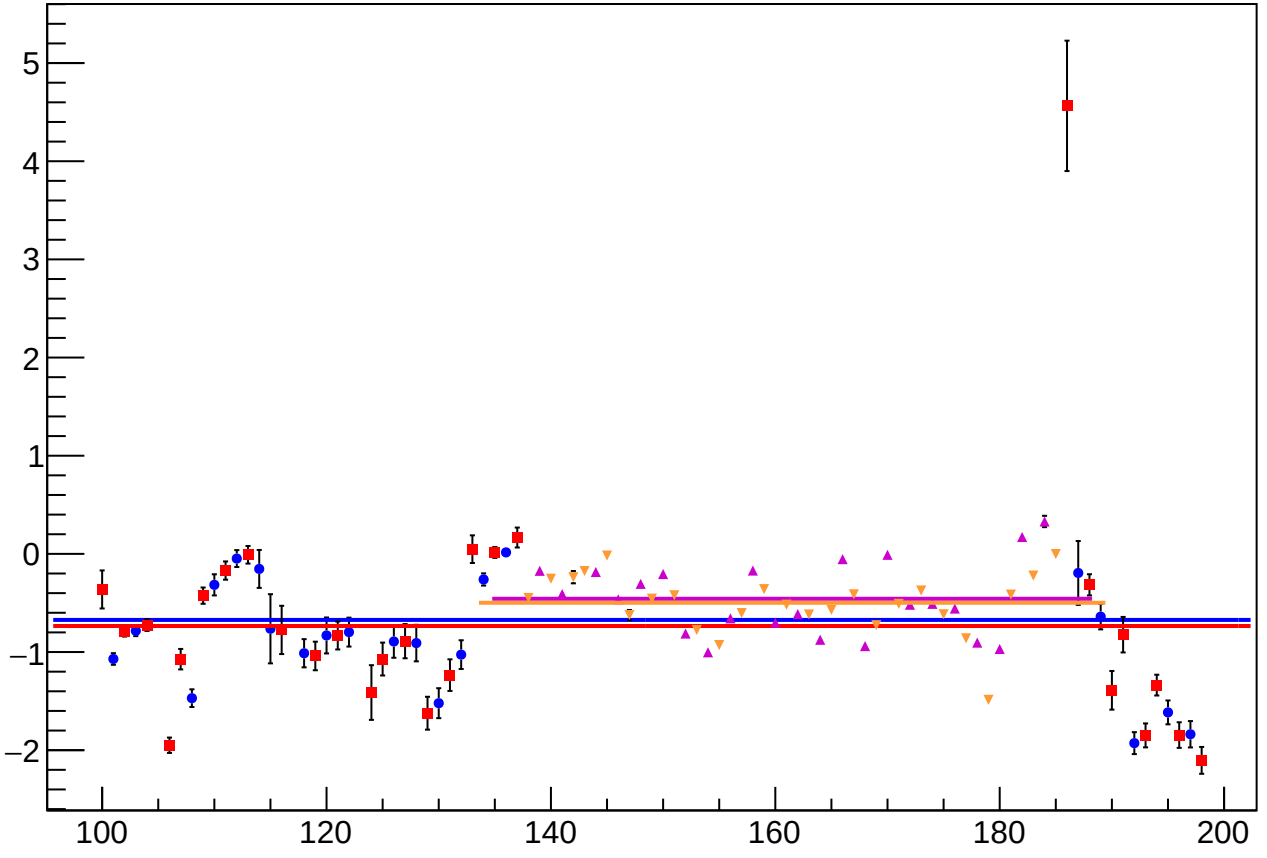
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.063+/-0.156 χ^2/NDF: 10164.7/45

All: 72.483+/-0.112 χ^2/NDF: 19308.6/95

- sign 71.878+/-0.160 χ^2/NDF: 9115.8/49

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.673+/-0.021 χ^2/NDF: 781.4/20

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.735+/-0.020 χ^2/NDF: 1096.7/26

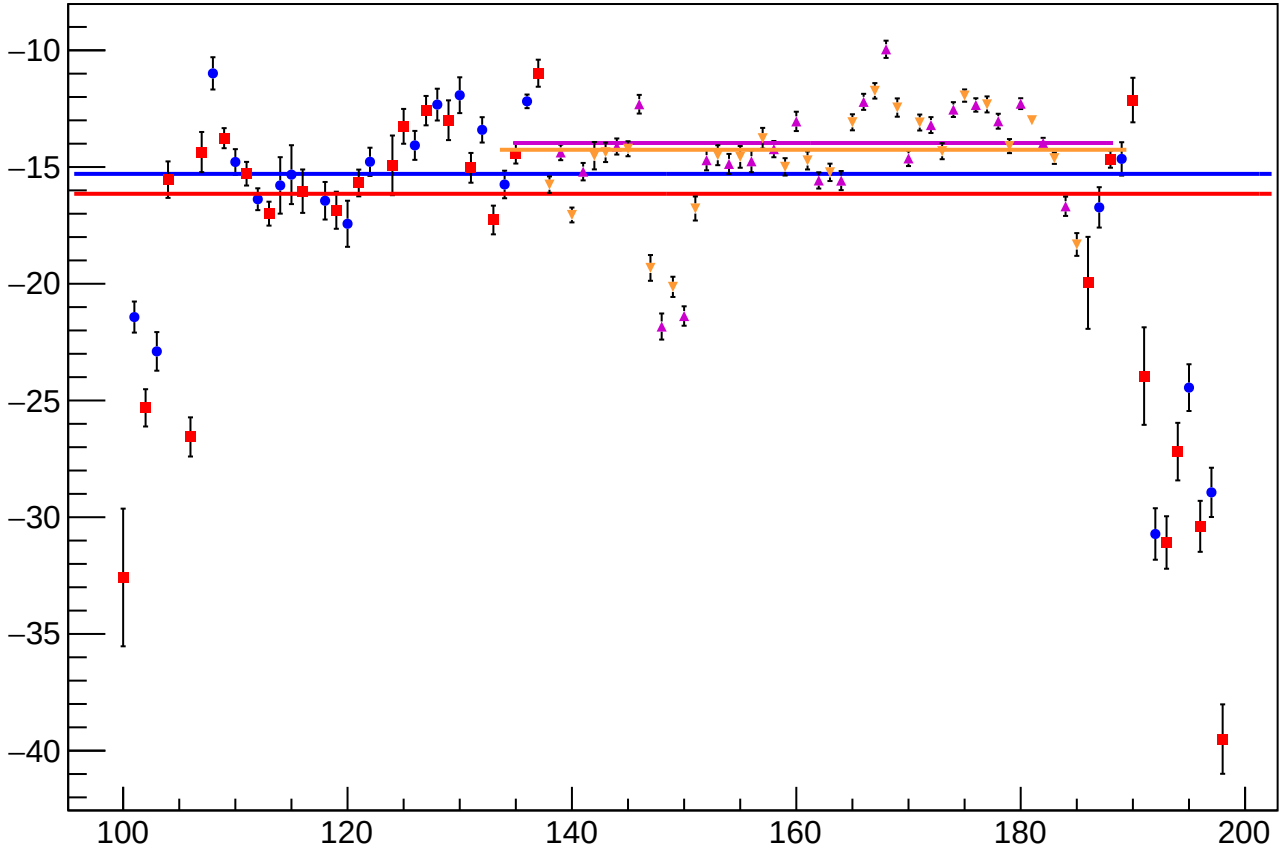
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.518+/-0.007 χ^2/NDF: 2326.3/45

All: -0.505+/-0.005 χ^2/NDF: 5696.9/95

- sign -0.492+/-0.007 χ^2/NDF: 3364.1/49

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.293+/-0.140 χ^2/NDF: 840.2/20

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.146+/-0.133 χ^2/NDF: 1248.0/26

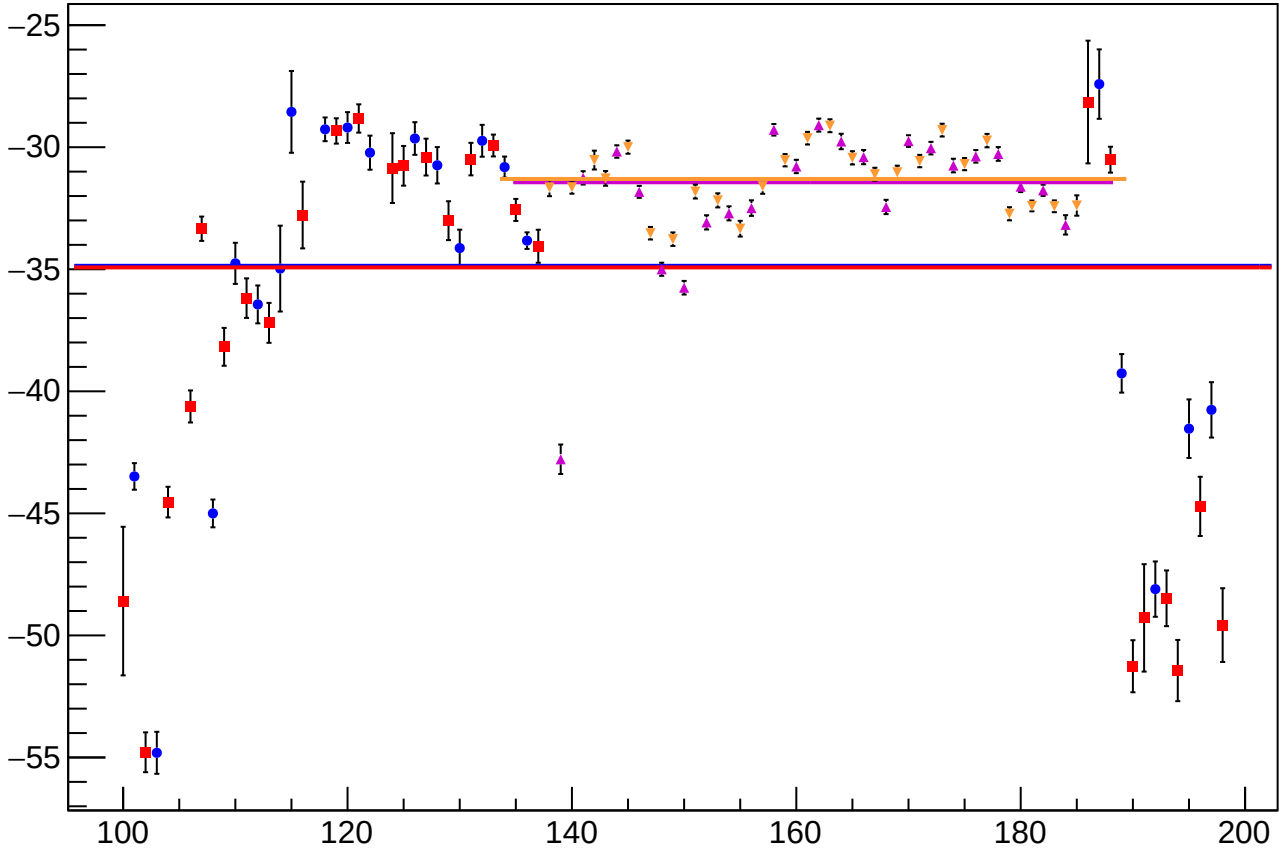
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.465+/-0.062 χ^2/NDF: 1607.7/45

All: -14.462+/-0.044 χ^2/NDF: 3969.6/95

- sign -14.460+/-0.063 χ^2/NDF: 2361.9/49

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.859+/-0.146 χ^2/NDF: 1885.9/20

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.924+/-0.142 χ^2/NDF: 2290.3/26

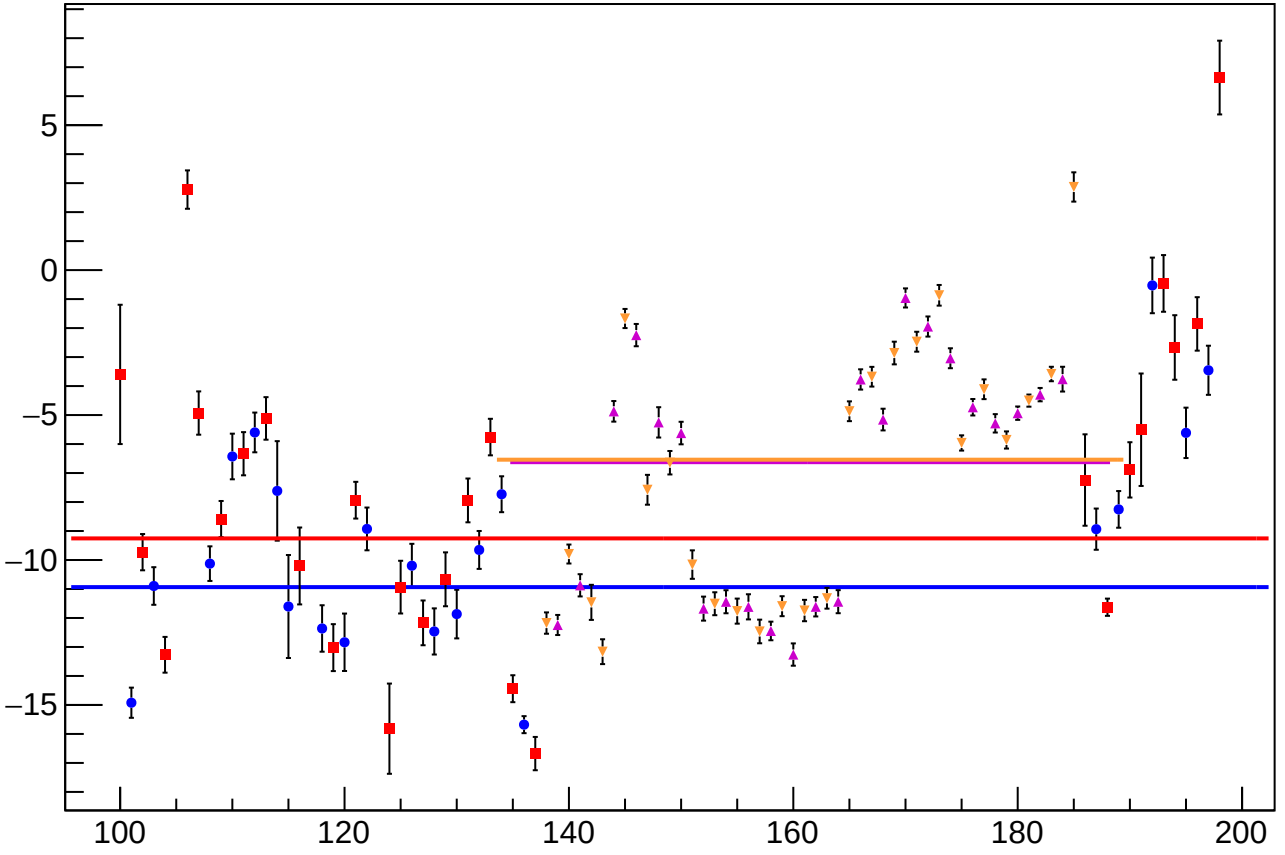
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.746+/-0.052 χ^2/NDF: 2958.7/45

All: -31.832+/-0.037 χ^2/NDF: 6986.9/95

- sign -31.923+/-0.053 χ^2/NDF: 4022.5/49

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.935+/-0.145 χ^2/NDF: 728.9/20

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.255+/-0.137 χ^2/NDF: 1262.0/26

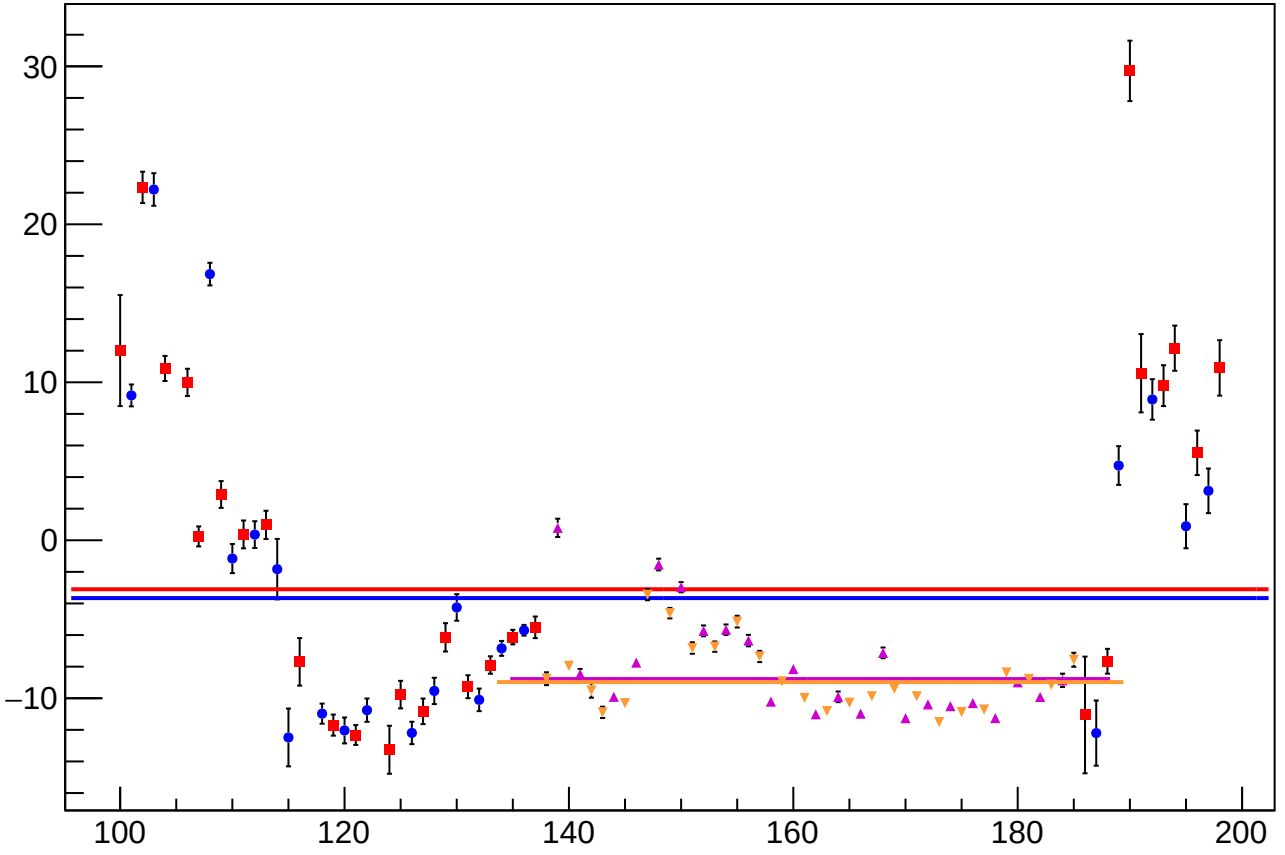
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.358+/-0.063 χ^2/NDF: 4714.9/45

All: -7.274+/-0.045 χ^2/NDF: 9178.7/95

- sign -7.188+/-0.063 χ^2/NDF: 4460.2/49

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.661+/-0.166 χ^2/NDF: 2727.4/20

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -3.101+/-0.166 χ^2/NDF: 2810.8/26

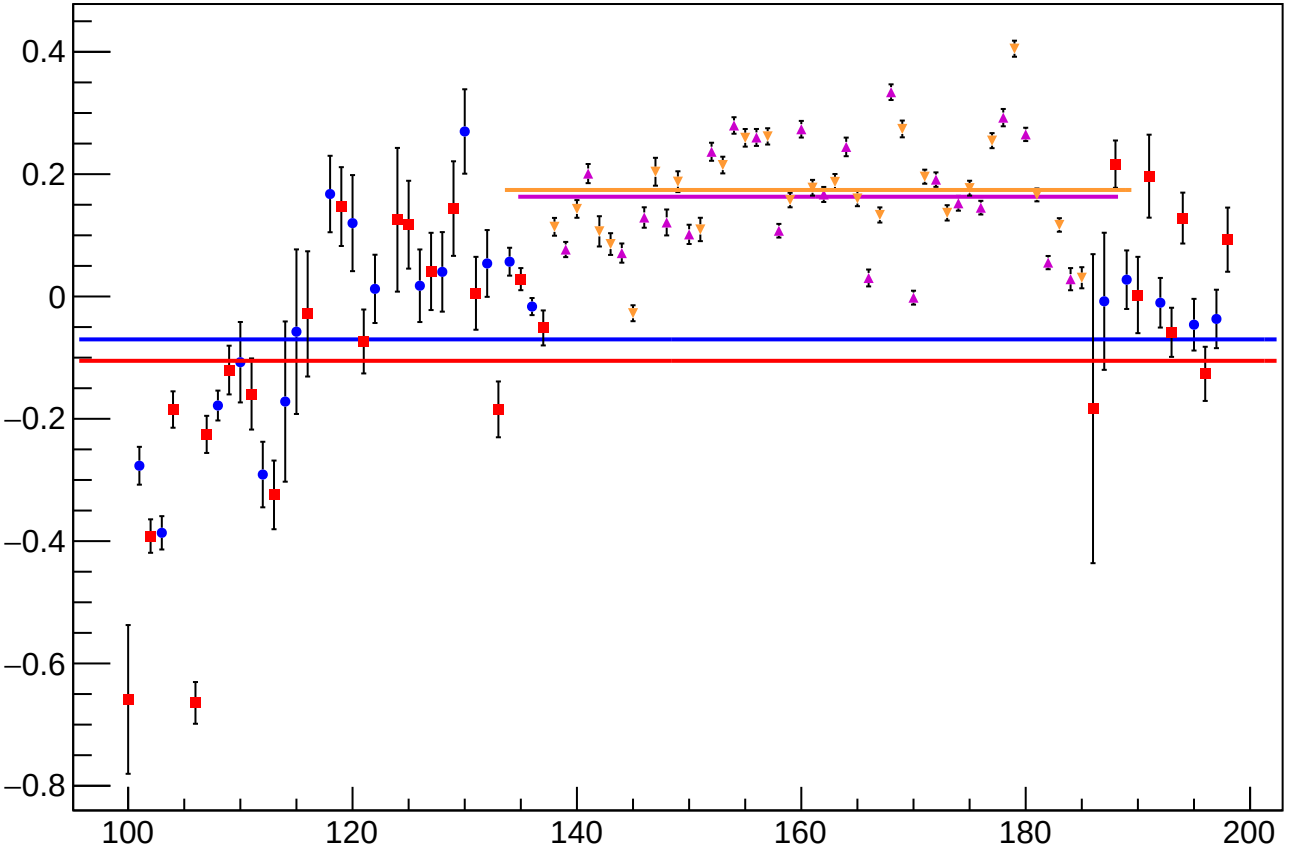
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.336+/-0.058 χ^2/NDF: 4602.7/45

All: -8.202+/-0.041 χ^2/NDF: 10133.5/95

- sign -8.061+/-0.059 χ^2/NDF: 5519.7/49

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.070+/-0.008 χ^2/NDF: 327.2/20

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

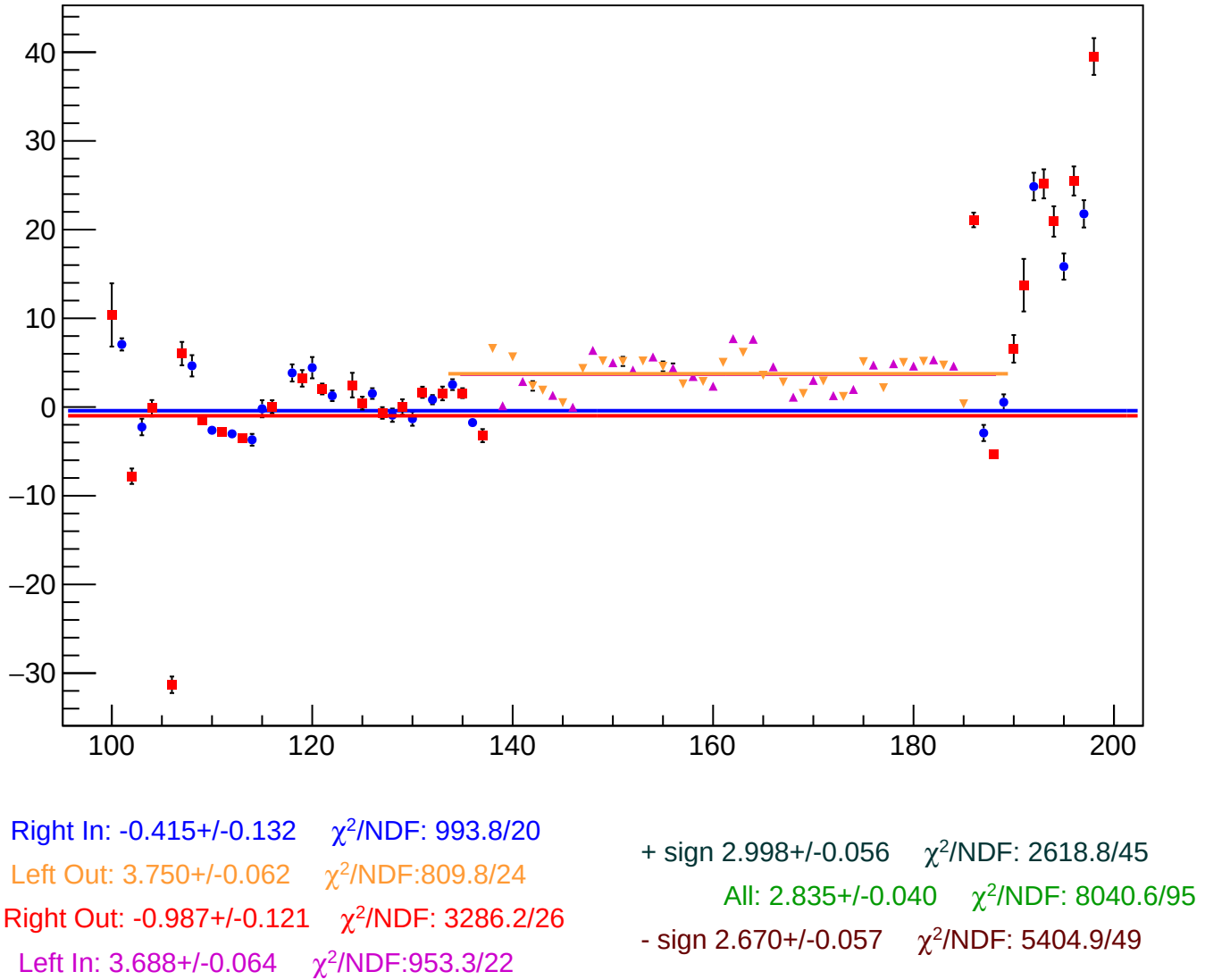
Right Out: -0.105+/-0.008 χ^2/NDF: 687.3/26

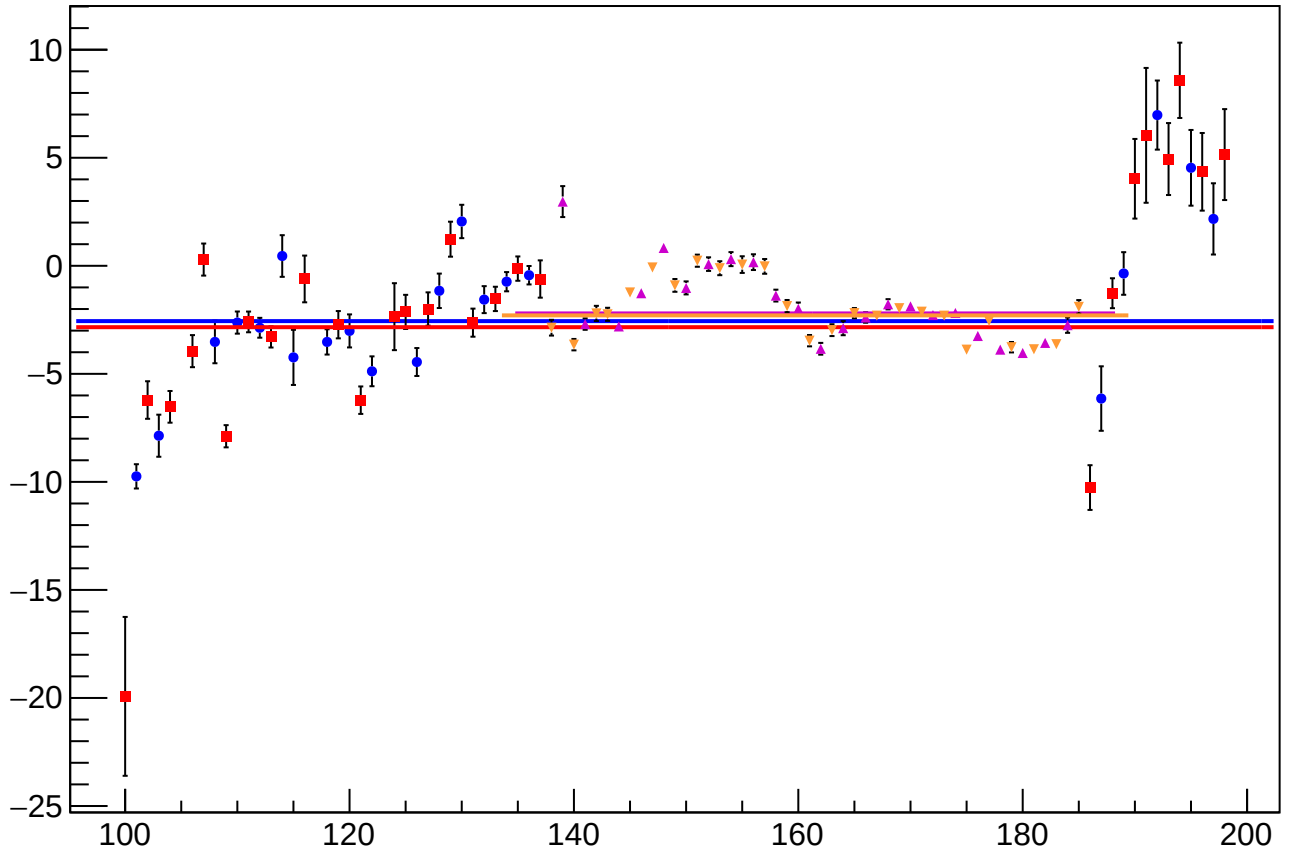
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2091.3/45

All: 0.142+/-0.002 χ^2/NDF: 4977.6/95

- sign 0.135+/-0.003 χ^2/NDF: 2872.0/49


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: -0.415+/-0.132 χ²/NDF: 993.8/20
Left Out: 3.750+/-0.062 χ²/NDF:809.8/24
Right Out: -0.987+/-0.121 χ²/NDF: 3286.2/26
Left In: 3.688+/-0.064 χ²/NDF:953.3/22
+ sign 2.998+/-0.056 χ²/NDF: 2618.8/45
All: 2.835+/-0.040 χ²/NDF: 8040.6/95
- sign 2.670+/-0.057 χ²/NDF: 5404.9/49



Right In: -2.560+/-0.152 χ^2/NDF: 382.8/20

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.841+/-0.149 χ^2/NDF: 448.7/26

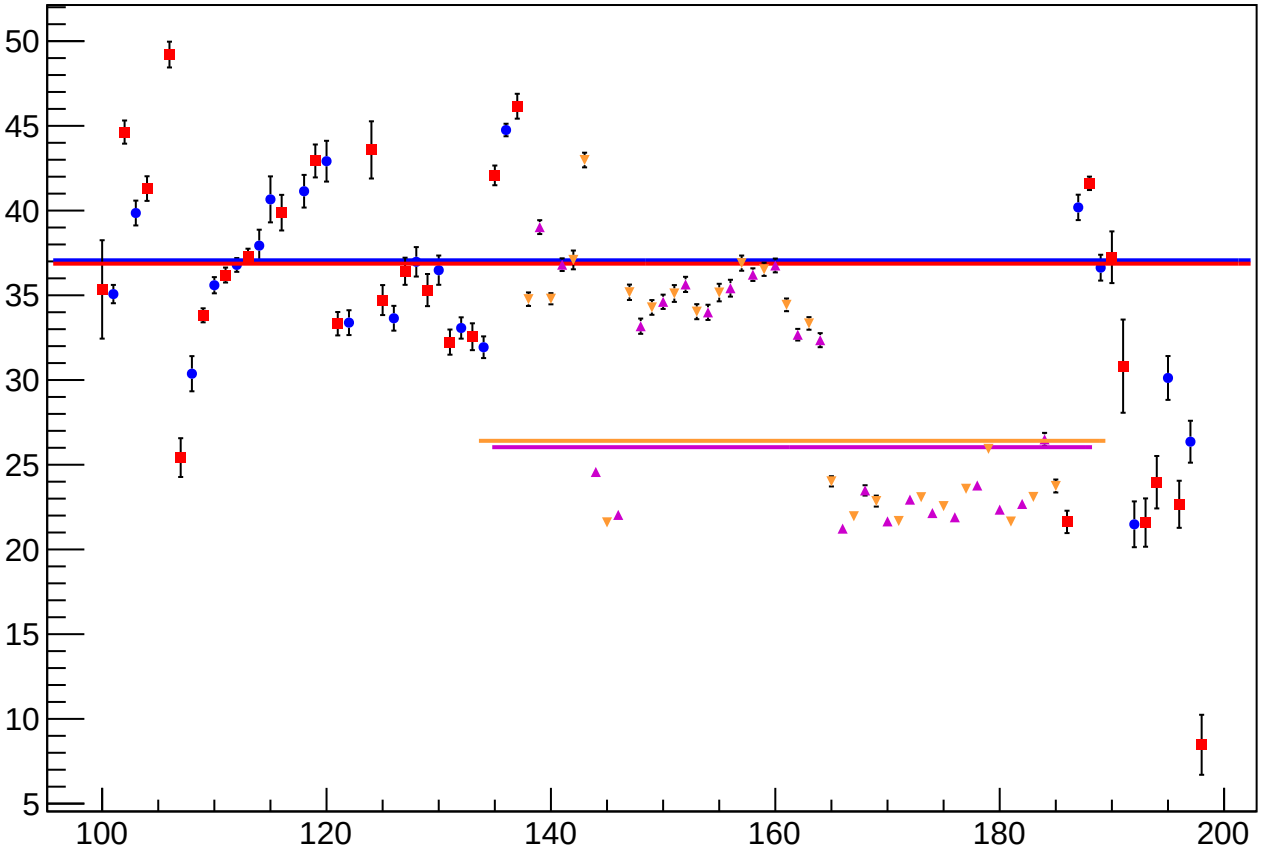
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.320+/-0.047 χ^2/NDF: 1017.0/45

All: -2.296+/-0.034 χ^2/NDF: 2207.3/95

- sign -2.270+/-0.048 χ^2/NDF: 1189.7/49

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.065+/-0.151 χ^2/NDF: 966.8/20

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.867+/-0.141 χ^2/NDF: 2221.8/26

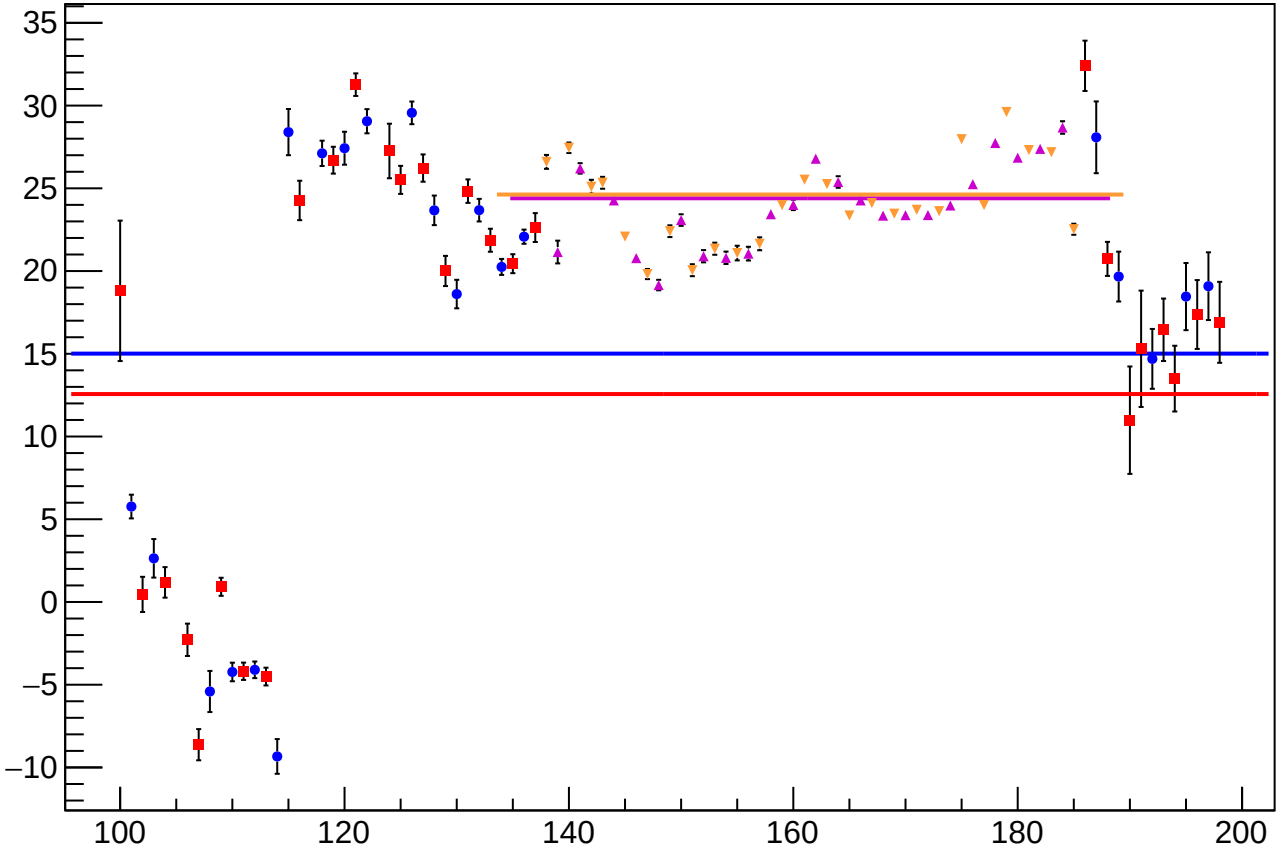
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

\+ sign 27.964+/-0.058 χ^2/NDF: 14456.0/45

All: 27.923+/-0.041 χ^2/NDF: 29420.3/95

\- sign 27.881+/-0.058 χ^2/NDF: 14963.3/49

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 15.010+/-0.170 χ^2/NDF: 5740.4/20

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.566+/-0.170 χ^2/NDF: 6364.6/26

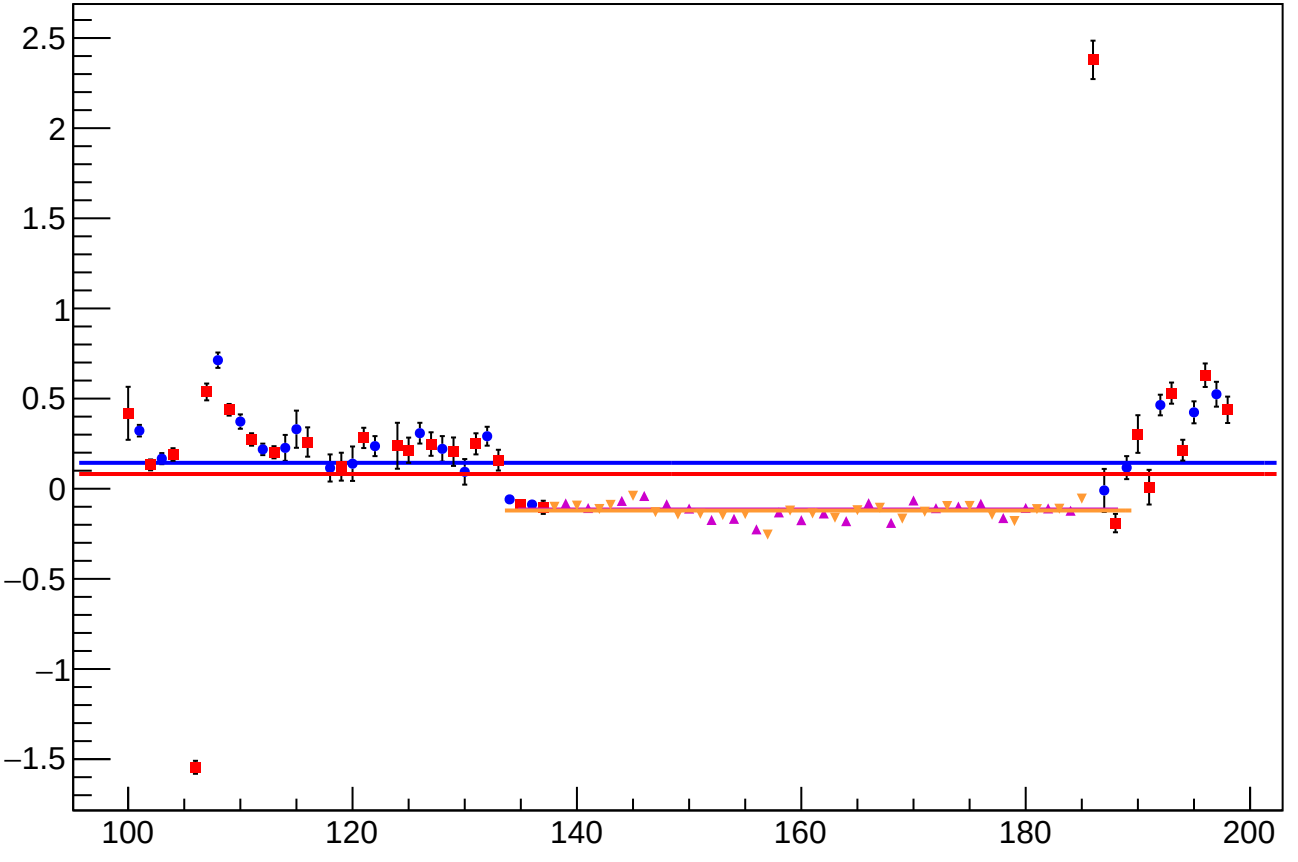
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.710+/-0.052 χ^2/NDF: 10578.3/45

All: 23.473+/-0.037 χ^2/NDF: 23047.5/95

- sign 23.226+/-0.054 χ^2/NDF: 12427.6/49

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.144+/-0.009 χ^2/NDF: 609.7/20

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.082+/-0.009 χ^2/NDF: 3092.8/26

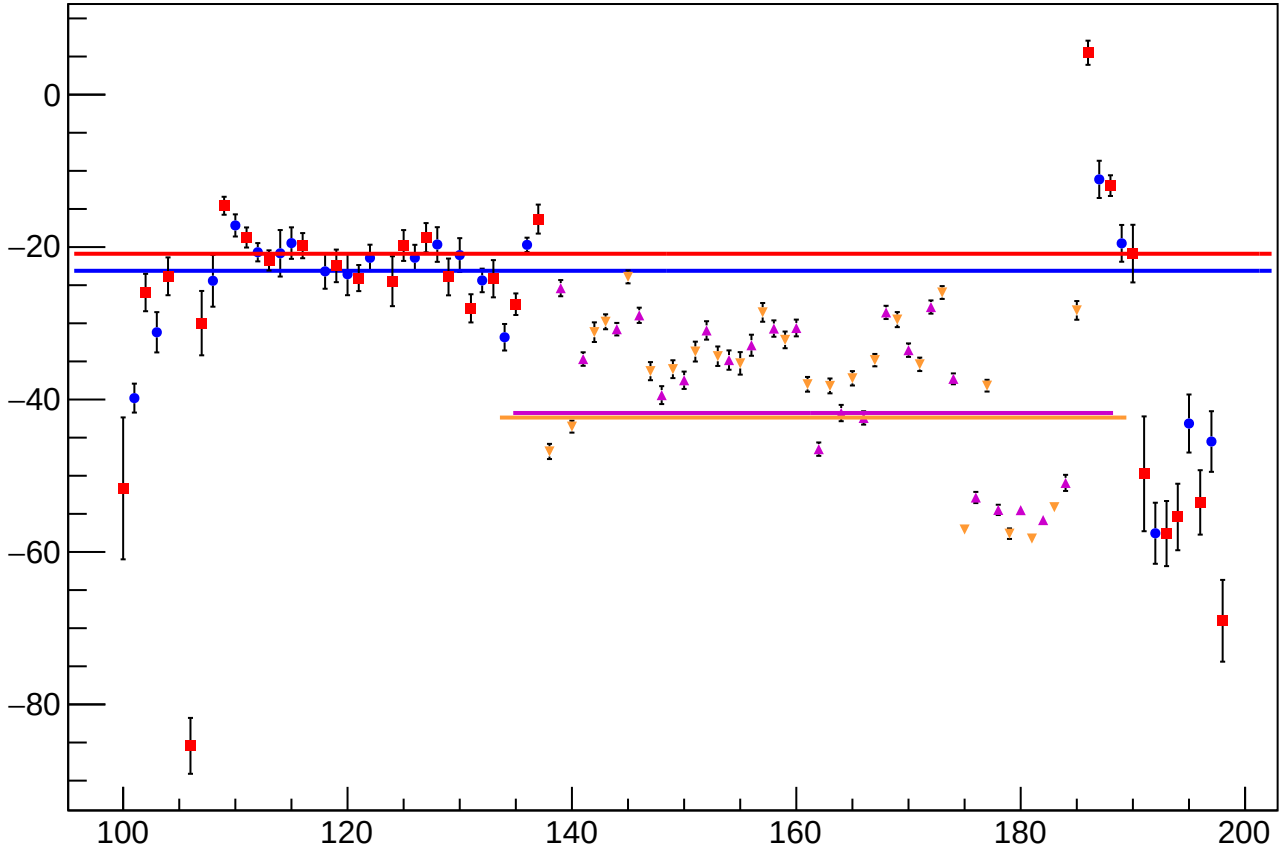
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.102+/-0.002 χ^2/NDF: 1678.8/45

All: -0.102+/-0.002 χ^2/NDF: 5500.1/95

- sign -0.101+/-0.002 χ^2/NDF: 3821.2/49

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -23.111+/-0.414 χ^2/NDF: 315.1/20

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -20.876+/-0.392 χ^2/NDF: 1027.4/26

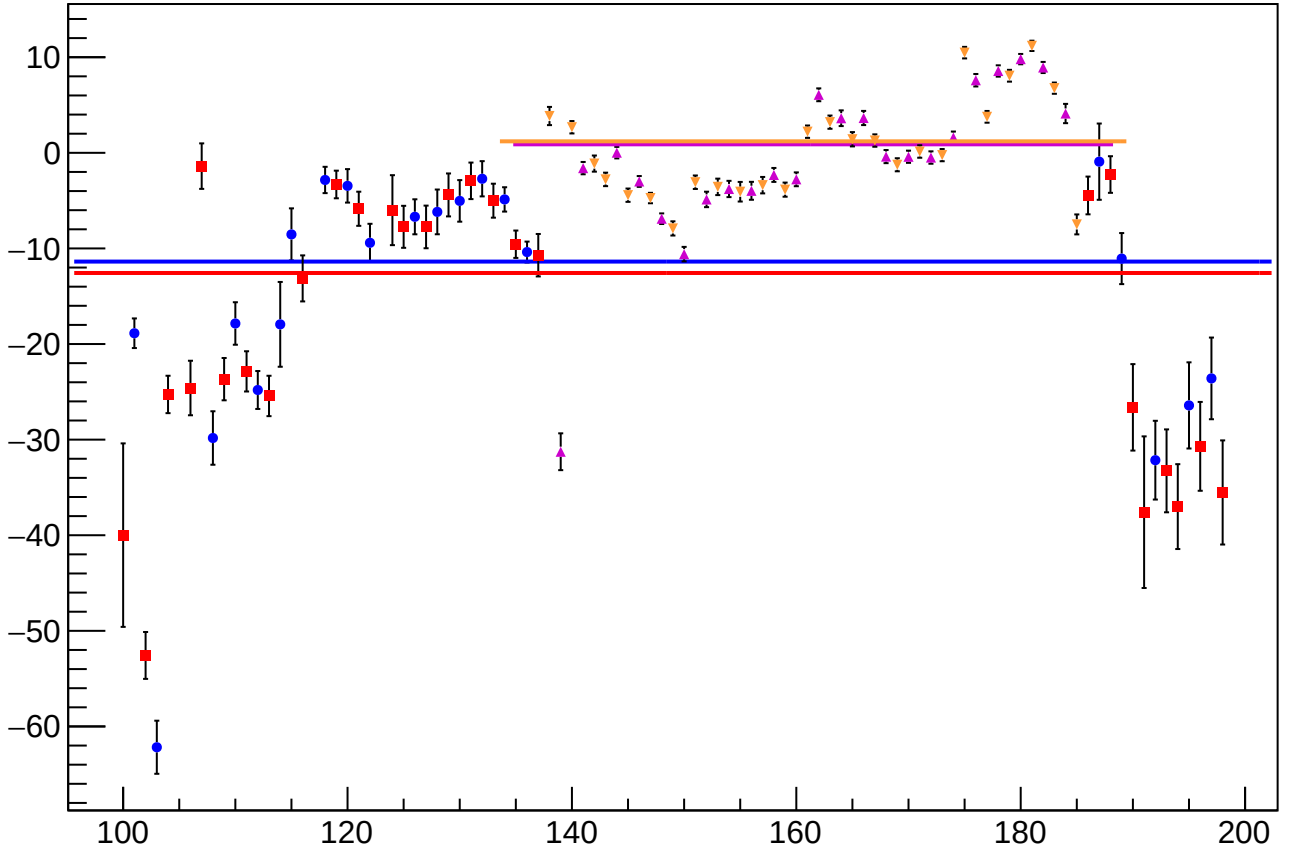
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.443+/-0.161 χ^2/NDF: 6625.6/45

All: -38.772+/-0.115 χ^2/NDF: 13483.9/95

- sign -38.070+/-0.165 χ^2/NDF: 6823.0/49

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -11.376+/-0.437 χ^2/NDF: 639.7/20

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

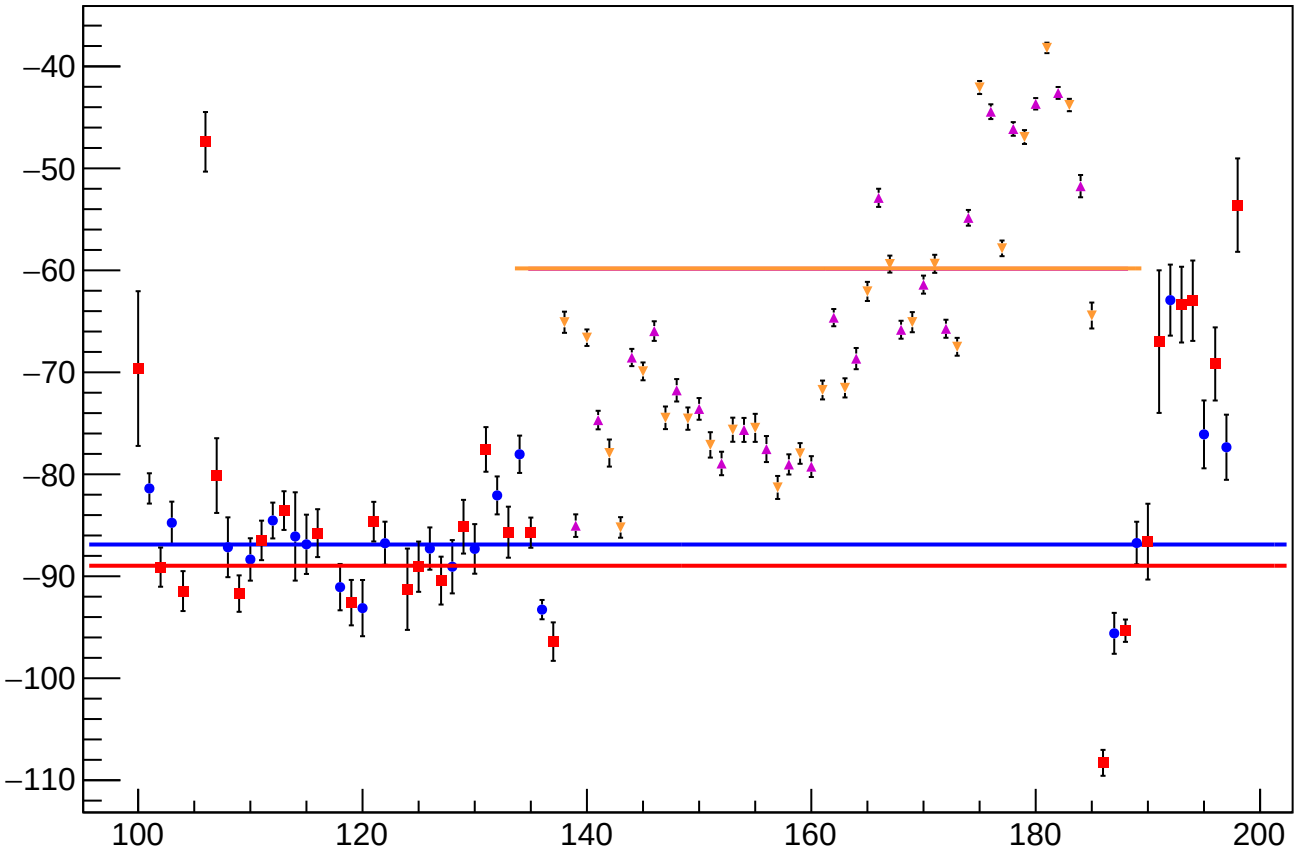
Right Out: -12.569+/-0.443 χ^2/NDF: 723.8/26

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.061+/-0.132 χ^2/NDF: 2855.9/45

All: -0.152+/-0.095 χ^2/NDF: 6185.2/95

- sign -0.380+/-0.136 χ^2/NDF: 3323.8/49



Right In: -86.885+/-0.444 χ^2/NDF: 187.6/20

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.967+/-0.418 χ^2/NDF: 746.5/26

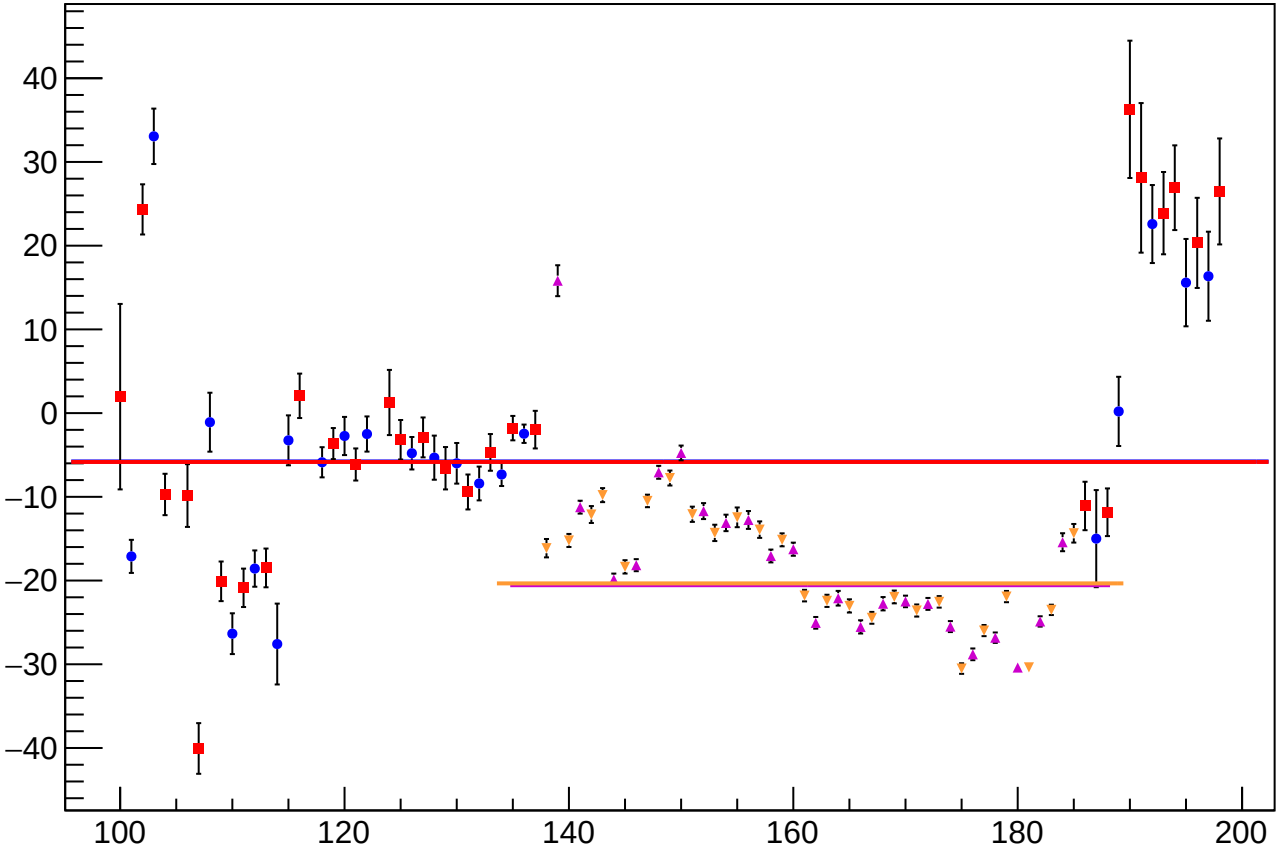
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.465+/-0.163 χ^2/NDF: 10053.3/45

All: -63.944+/-0.116 χ^2/NDF: 20433.1/95

- sign -64.441+/-0.166 χ^2/NDF: 10362.1/49

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -5.775+/-0.495 χ^2/NDF: 391.9/20

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -5.834+/-0.512 χ^2/NDF: 549.5/26

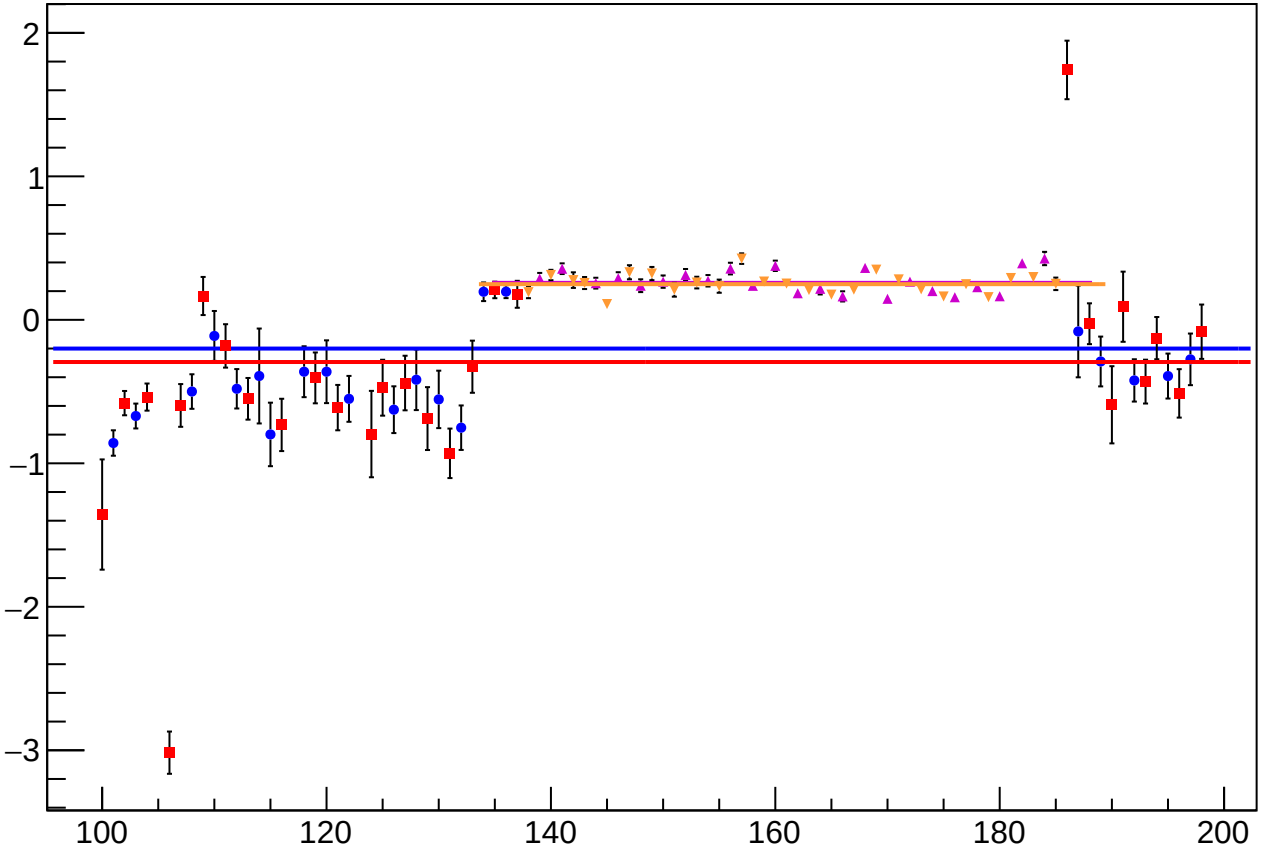
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.044+/-0.148 χ^2/NDF: 2882.1/45

All: -19.144+/-0.106 χ^2/NDF: 6380.4/95

- sign -19.251+/-0.152 χ^2/NDF: 3497.4/49

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.200+/-0.025 χ^2/NDF: 252.0/20

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.294+/-0.027 χ^2/NDF: 631.9/26

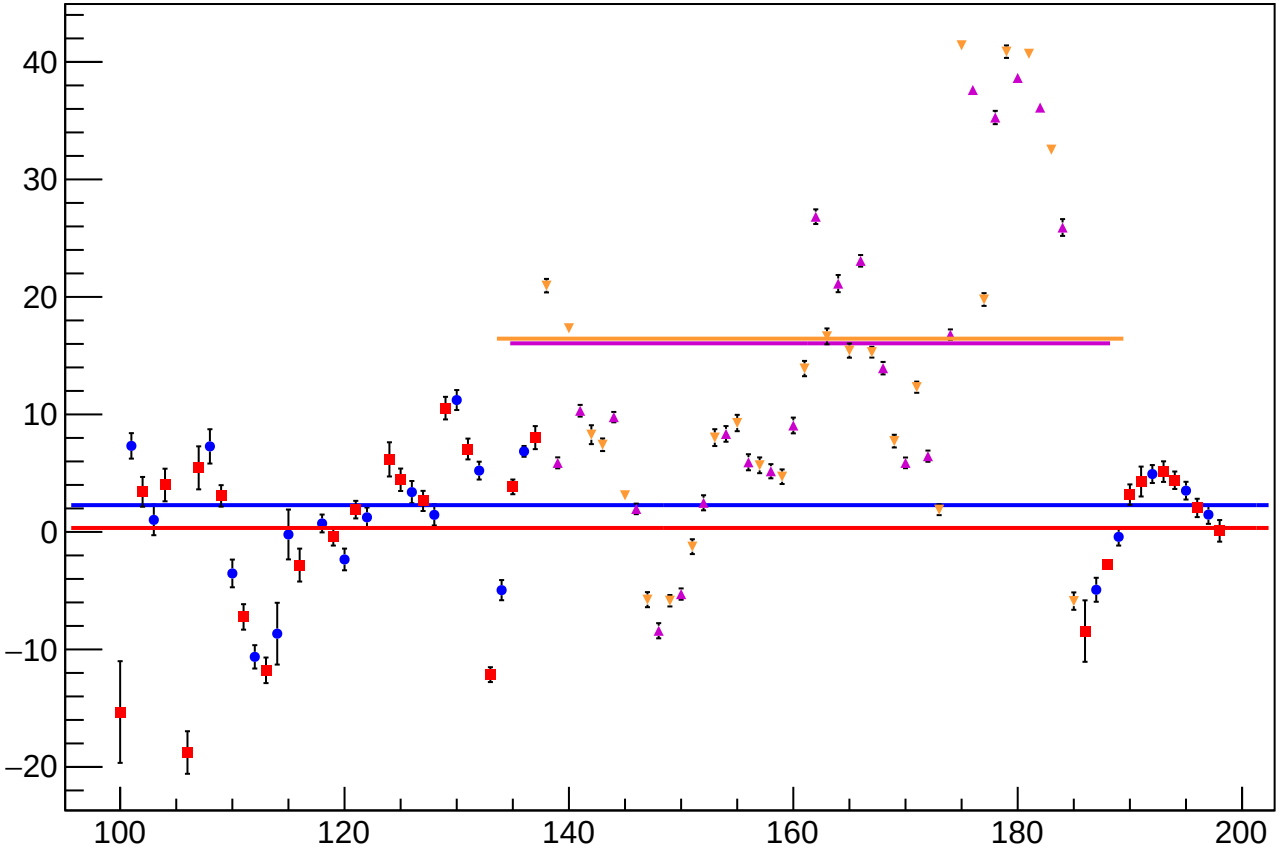
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.217+/-0.007 χ^2/NDF: 636.8/45

All: 0.219+/-0.005 χ^2/NDF: 1806.0/95

- sign 0.221+/-0.007 χ^2/NDF: 1169.1/49

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.280+/-0.190 χ^2/NDF: 654.0/20

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

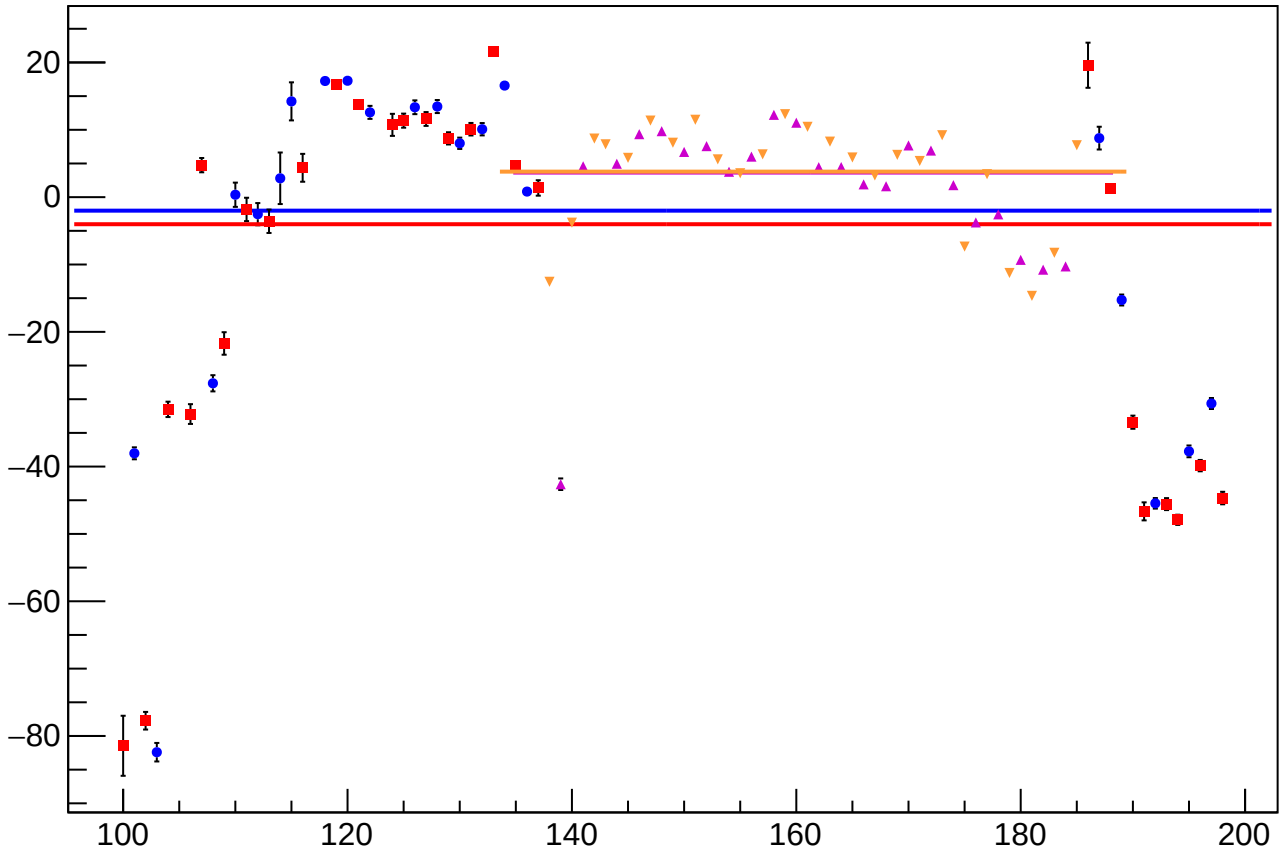
Right Out: 0.338+/-0.168 χ^2/NDF: 1194.4/26

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.175+/-0.091 χ^2/NDF: 26342.6/45

All: 12.335+/-0.064 χ^2/NDF: 51535.1/95

- sign 11.510+/-0.090 χ^2/NDF: 25024.5/49



Right In: -2.004+/-0.186 χ^2/NDF: 16580.4/20

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -4.017+/-0.173 χ^2/NDF: 22717.8/26

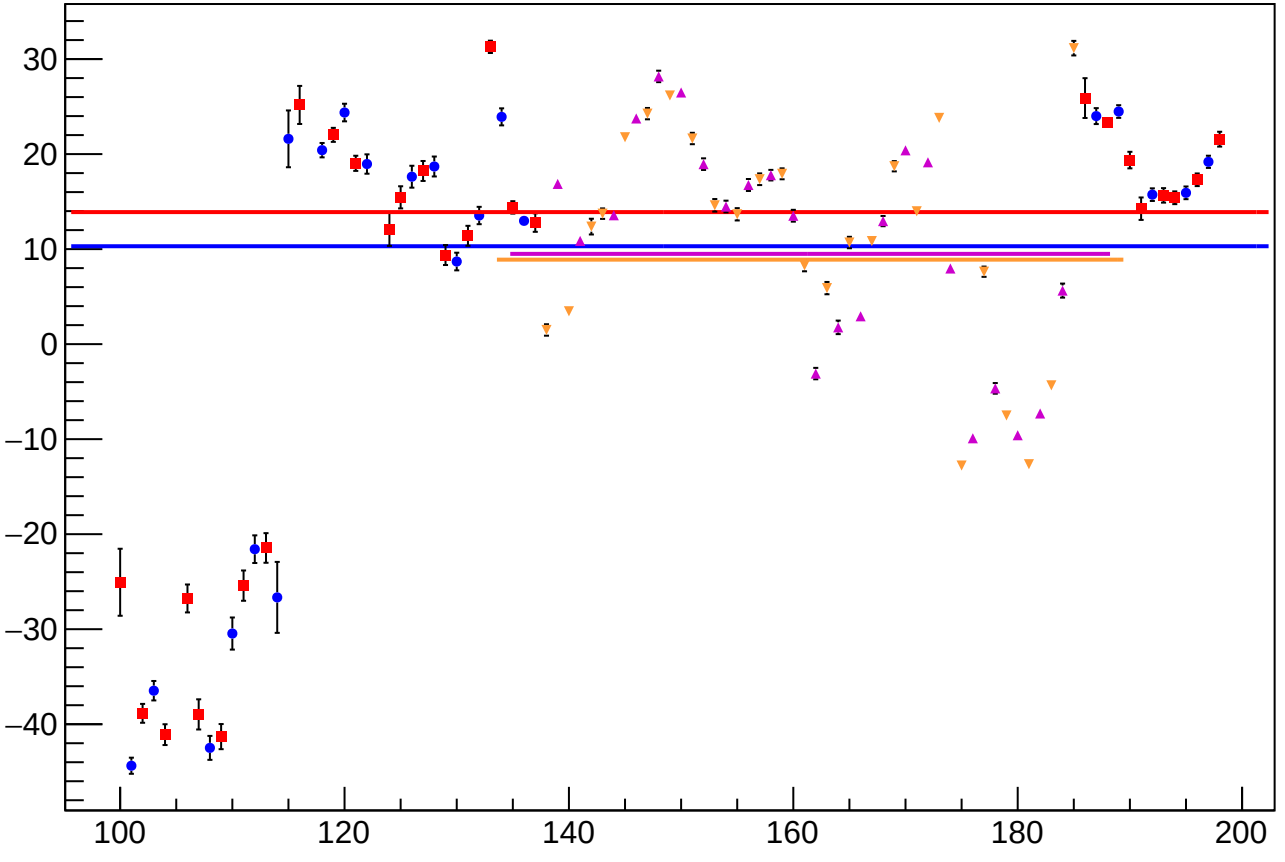
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

\+ sign 2.881+/-0.074 χ^2/NDF: 26502.5/45

All: 2.552+/-0.052 χ^2/NDF: 59172.6/95

\- sign 2.211+/-0.075 χ^2/NDF: 32629.3/49

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 10.303+/-0.188 χ^2/NDF: 11082.9/20

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 13.896+/-0.162 χ^2/NDF: 12332.9/26

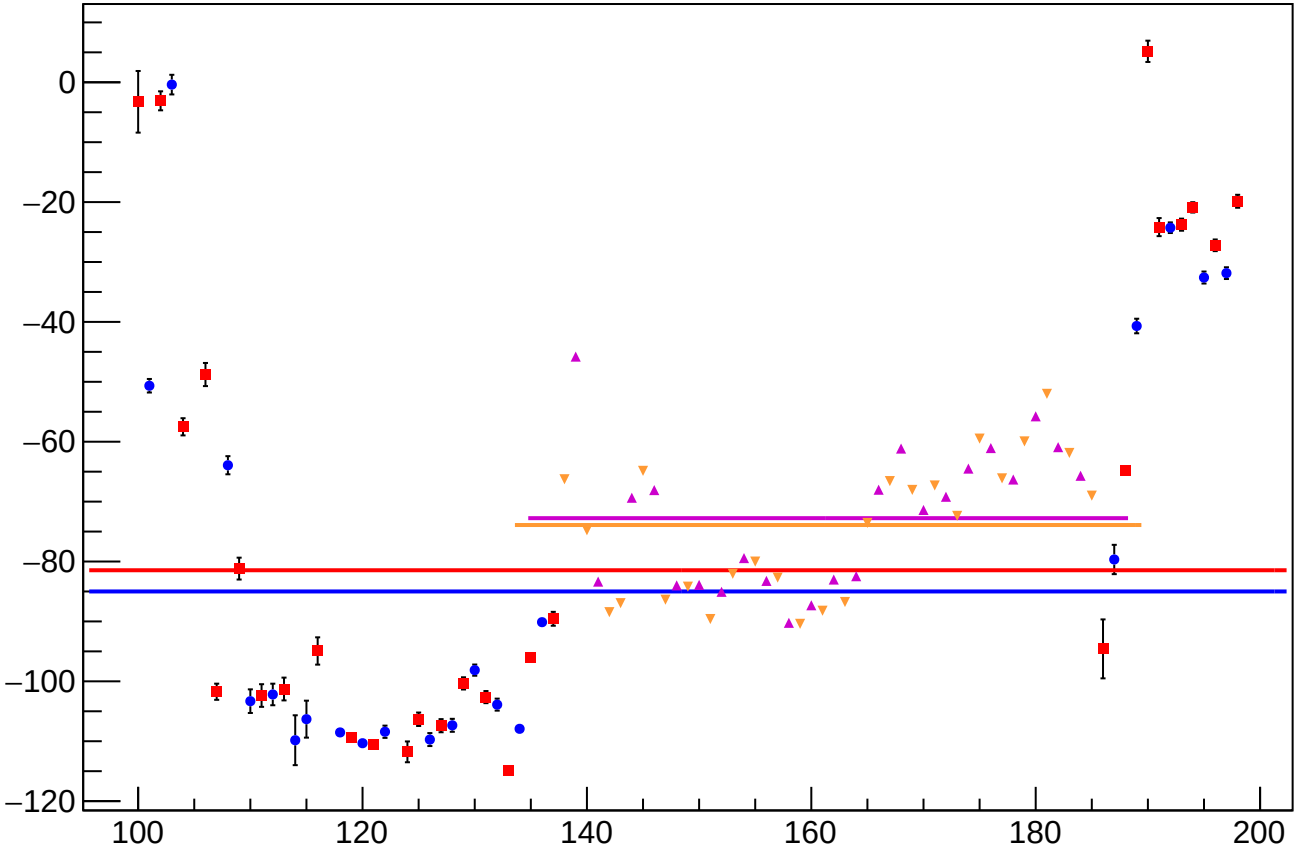
Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 9.222+/-0.091 χ^2/NDF: 26554.3/45

All: 10.042+/-0.064 χ^2/NDF: 52603.6/95

- sign 10.830+/-0.089 χ^2/NDF: 25889.2/49

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -84.997+/-0.217 χ^2/NDF: 21541.6/20

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -81.458+/-0.205 χ^2/NDF: 32131.0/26

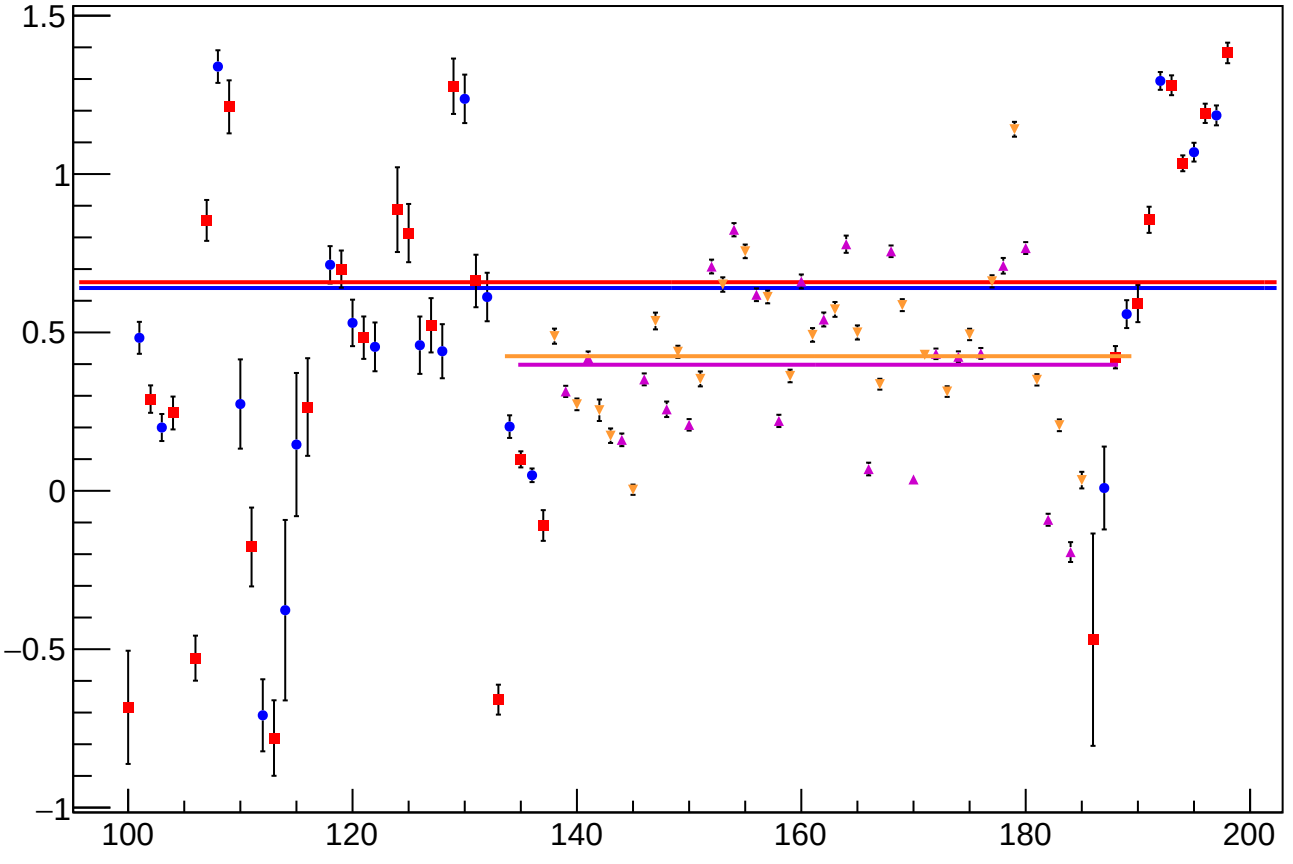
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -75.551+/-0.083 χ^2/NDF: 39336.8/45

All: -74.915+/-0.060 χ^2/NDF: 85690.7/95

- sign -74.258+/-0.085 χ^2/NDF: 46236.1/49

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.640+/-0.010 χ^2/NDF: 2530.3/20

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.659+/-0.009 χ^2/NDF: 3805.4/26

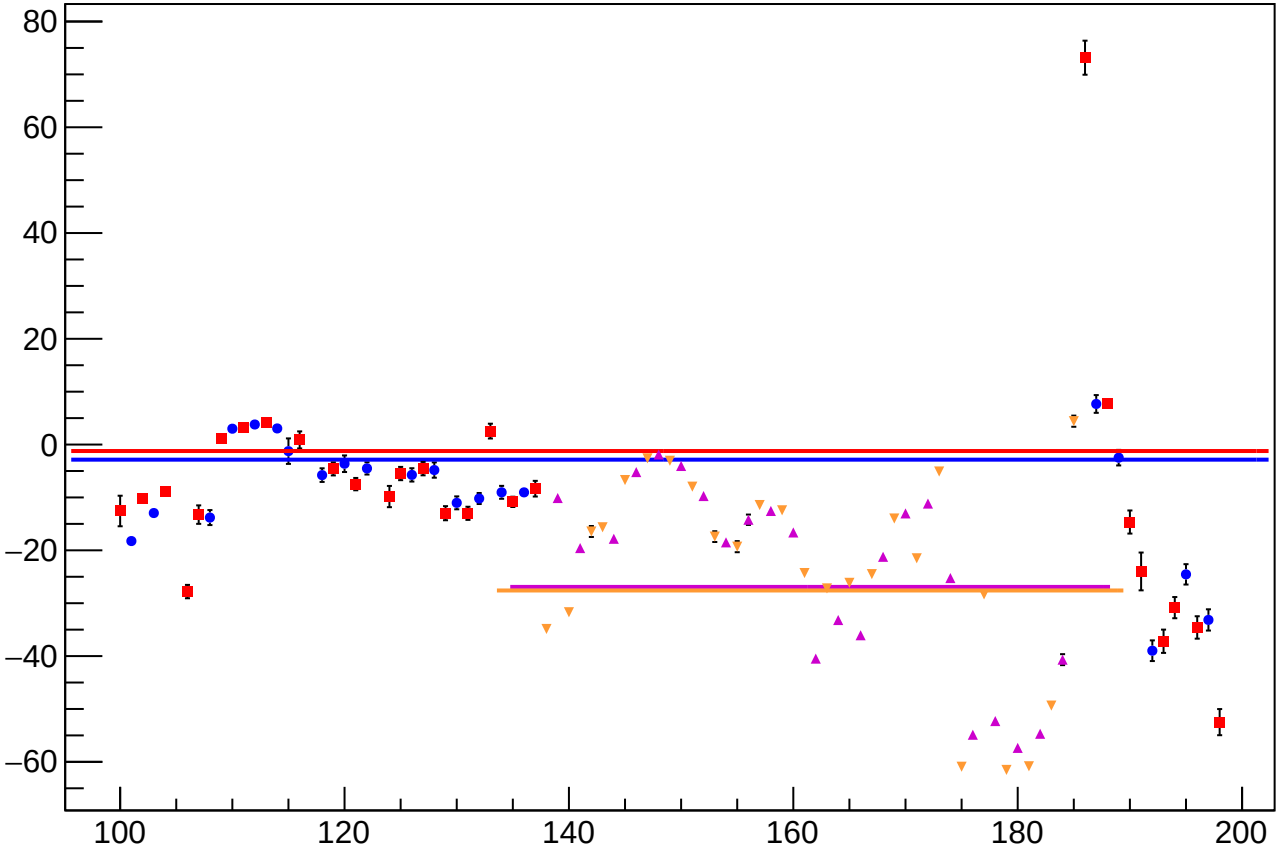
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.454+/-0.004 χ^2/NDF: 5951.9/45

All: 0.448+/-0.003 χ^2/NDF: 14690.4/95

- sign 0.441+/-0.004 χ^2/NDF: 8731.9/49

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.855+/-0.187 χ^2/NDF: 2239.0/20

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.222+/-0.164 χ^2/NDF: 3380.9/26

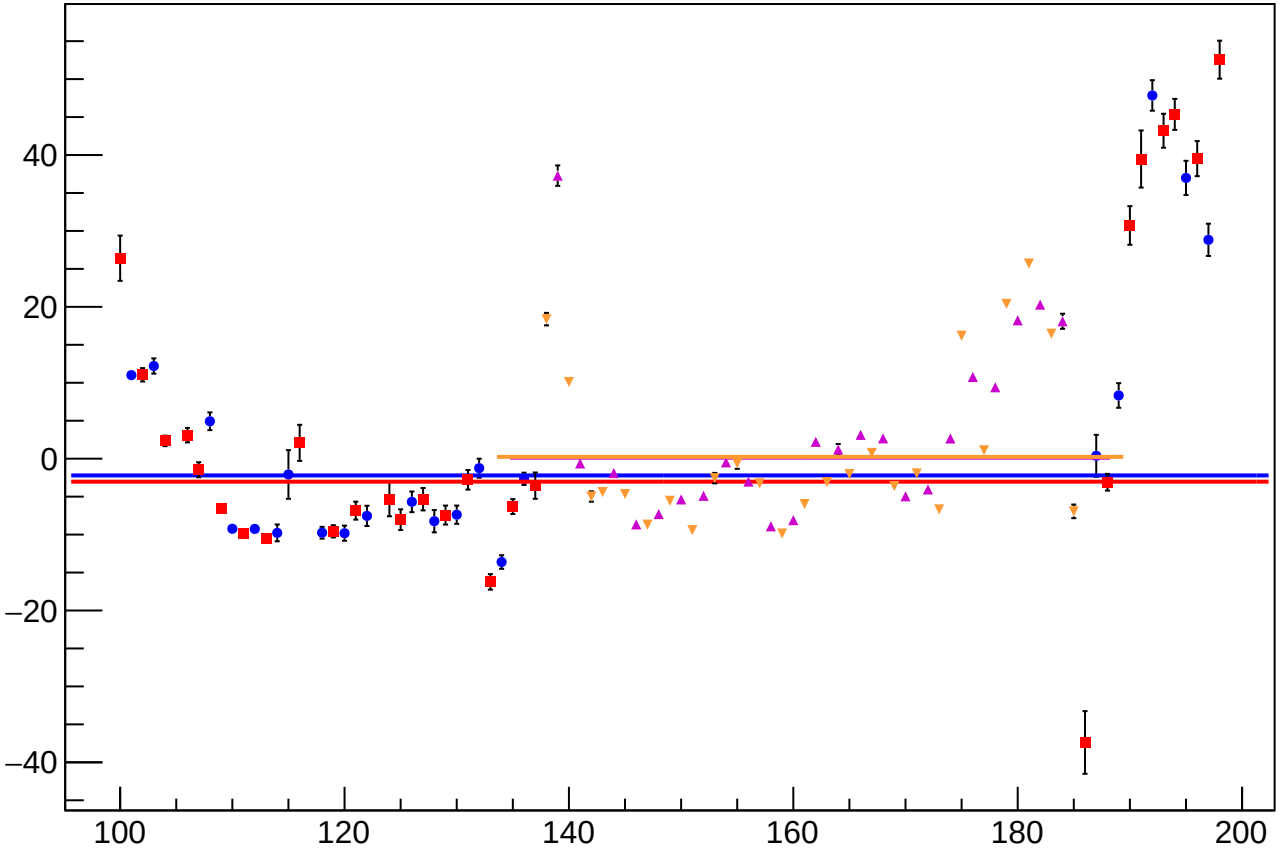
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.334+/-0.114 χ^2/NDF: 33000.9/45

All: -16.739+/-0.079 χ^2/NDF: 65760.9/95

- sign -15.251+/-0.110 χ^2/NDF: 32382.7/49

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -2.206+/-0.219 χ^2/NDF: 2653.4/20

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -3.028+/-0.209 χ^2/NDF: 3267.4/26

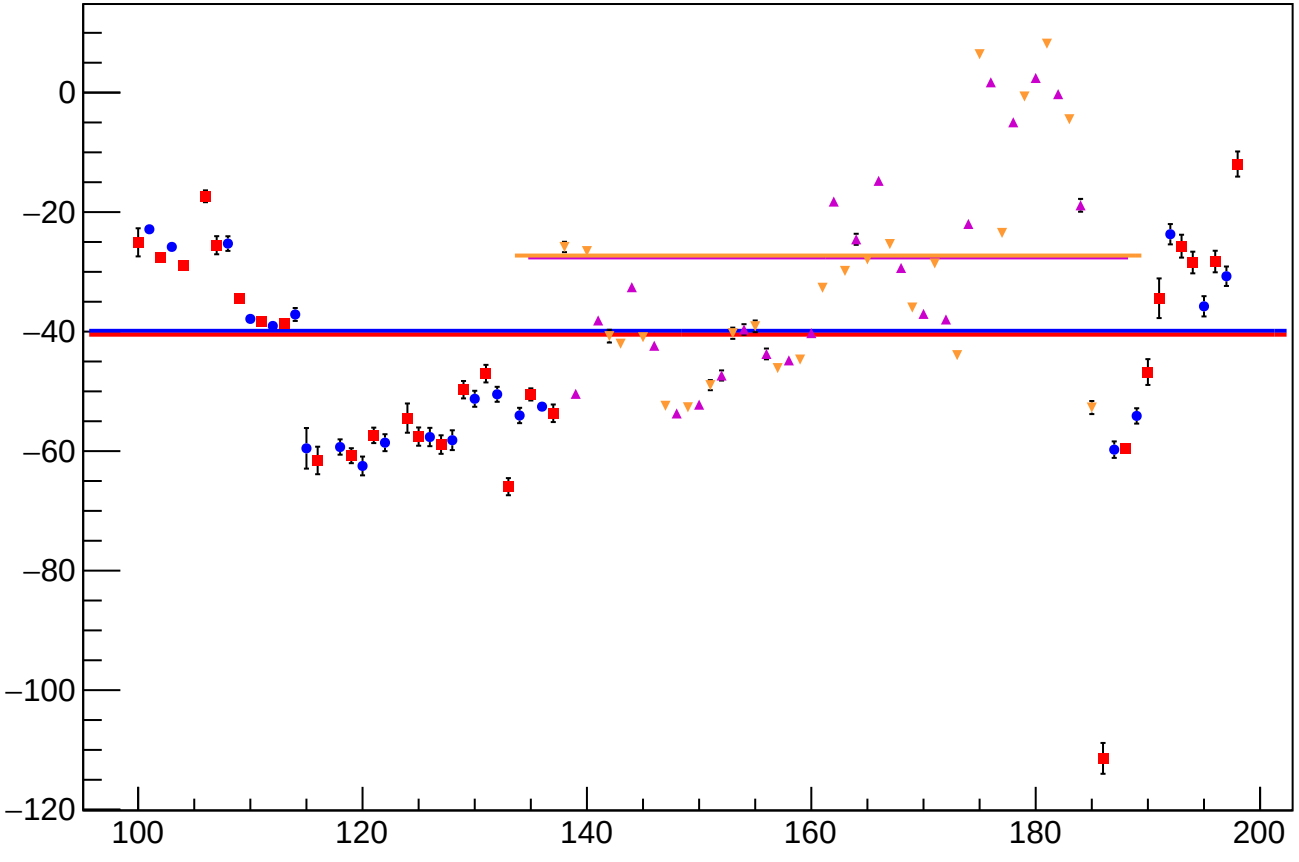
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.256+/-0.099 χ^2/NDF: 10788.2/45

All: -0.422+/-0.070 χ^2/NDF: 20074.1/95

- sign -0.595+/-0.100 χ^2/NDF: 9280.0/49

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.869+/-0.214 χ^2/NDF: 3420.1/20

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.516+/-0.195 χ^2/NDF: 4888.9/26

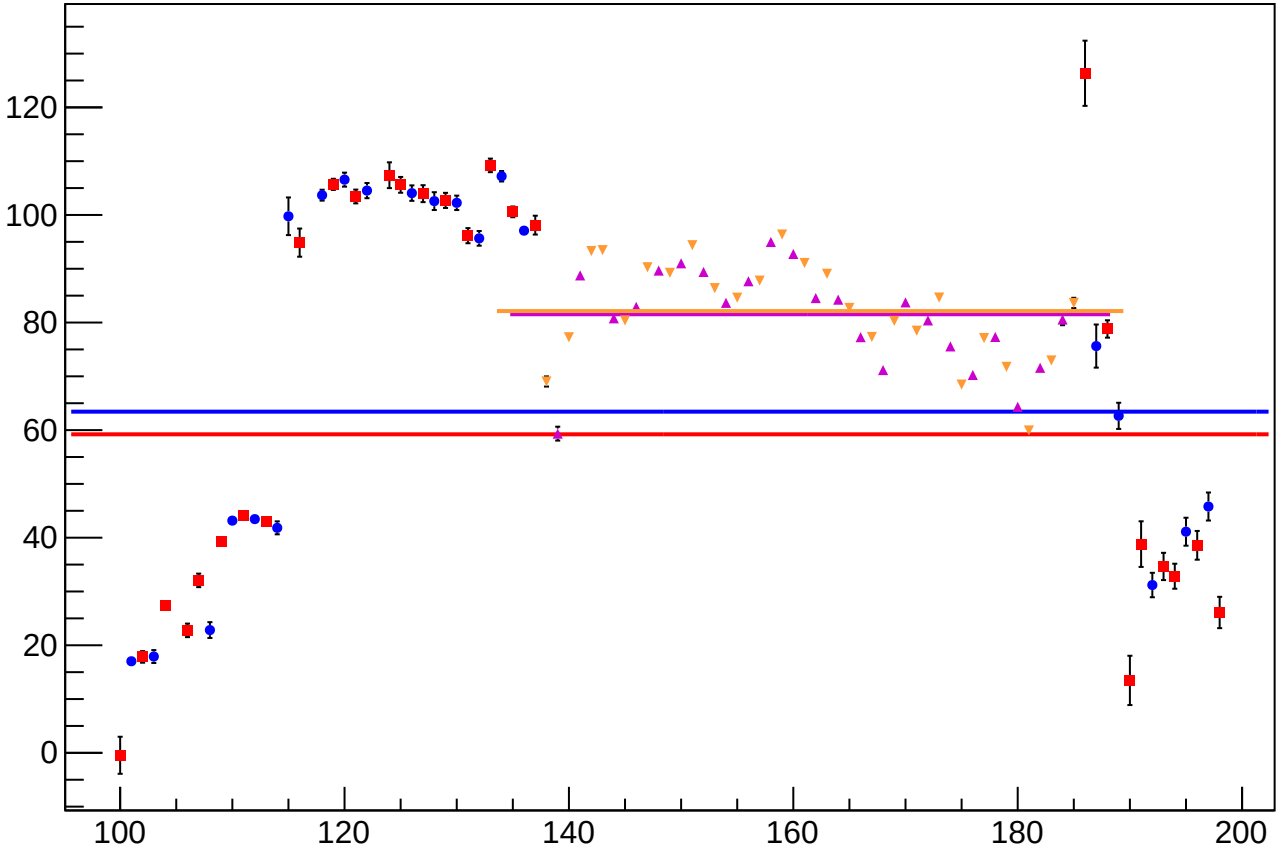
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.198+/-0.119 χ^2/NDF: 24336.4/45

All: -31.763+/-0.084 χ^2/NDF: 47705.1/95

- sign -32.316+/-0.118 χ^2/NDF: 23324.4/49

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 63.432+/-0.252 χ^2/NDF: 18935.1/20

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 59.219+/-0.241 χ^2/NDF: 18241.3/26

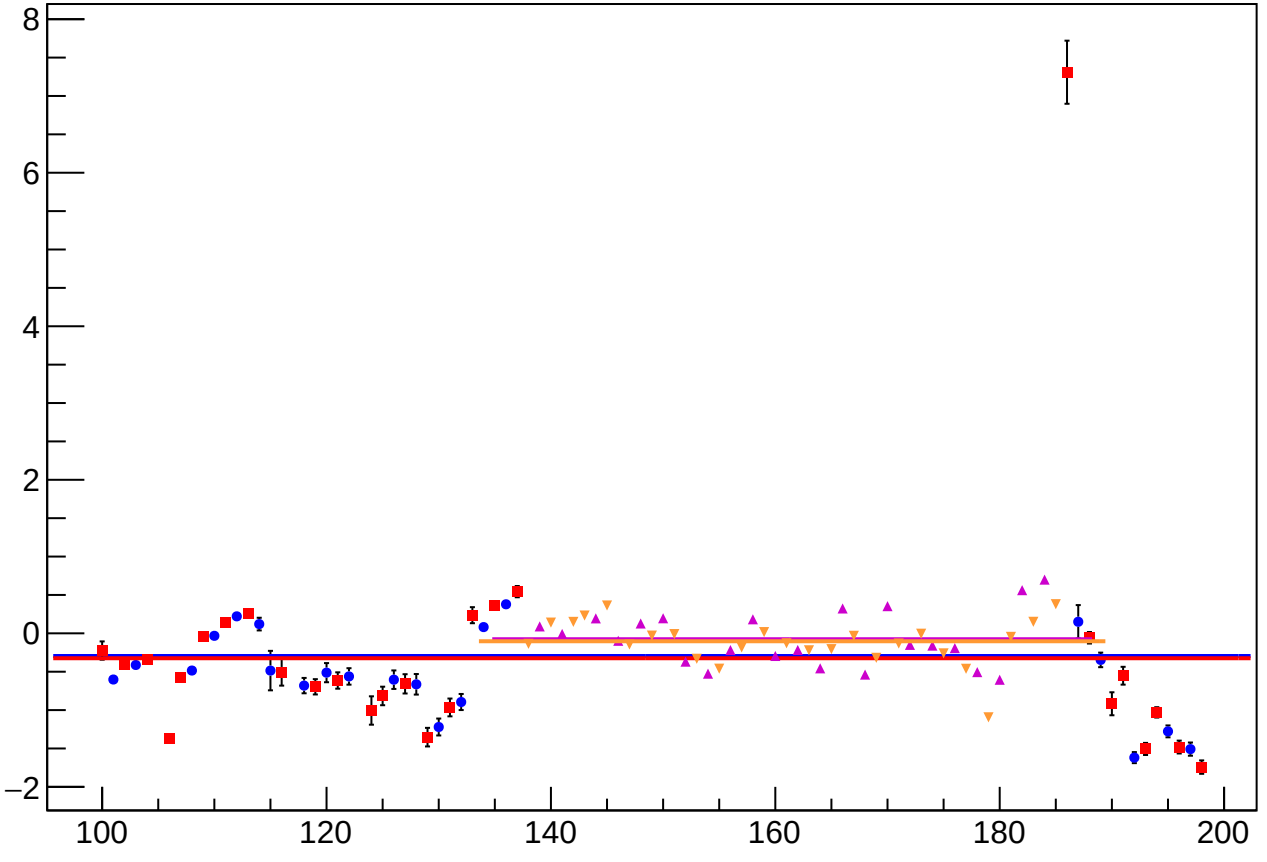
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.442+/-0.112 χ^2/NDF: 28746.7/45

All: 77.516+/-0.080 χ^2/NDF: 57856.5/95

- sign 76.558+/-0.114 χ^2/NDF: 28970.1/49

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.296+/-0.013 χ^2/NDF: 1681.2/20

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.325+/-0.012 χ^2/NDF: 2604.1/26

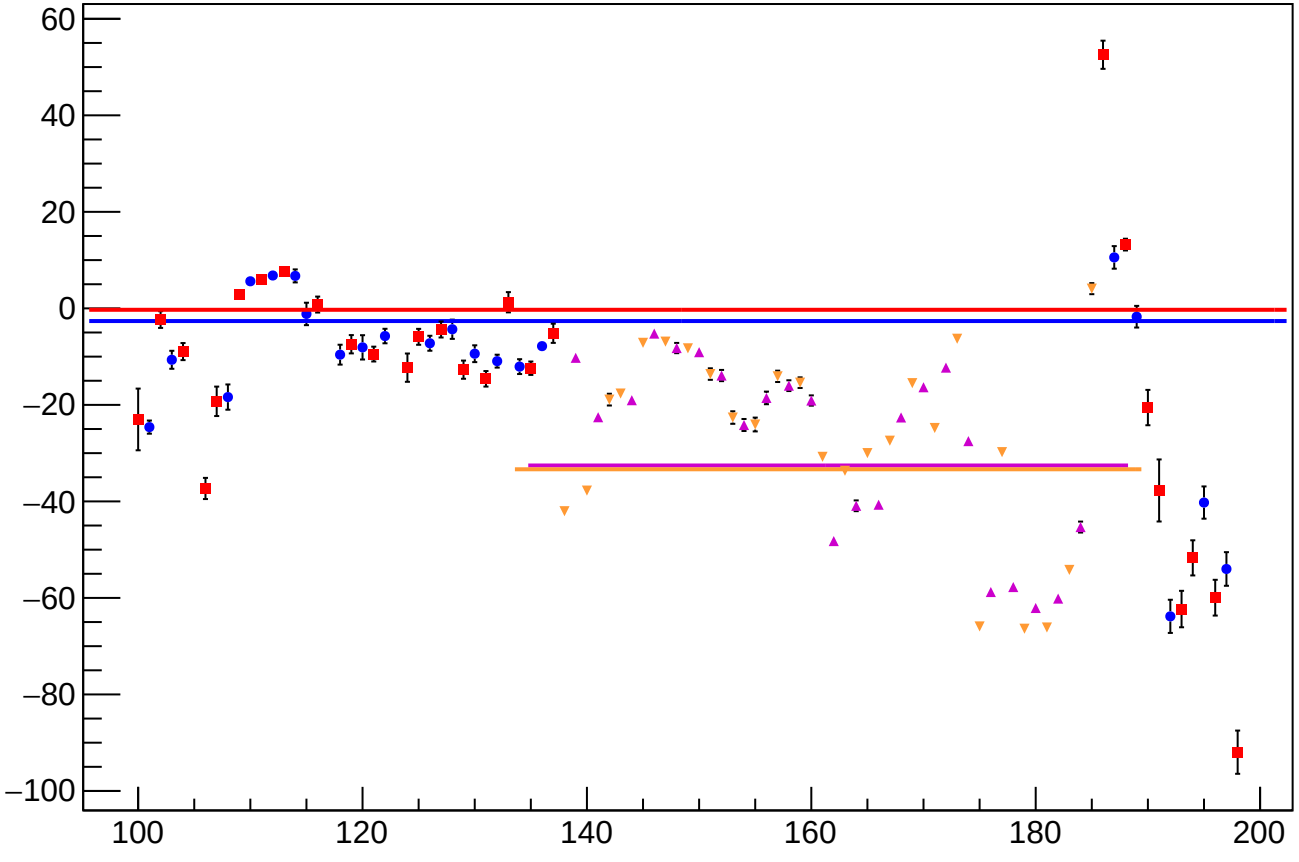
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.134+/-0.005 χ^2/NDF: 4280.6/45

All: -0.129+/-0.004 χ^2/NDF: 10554.1/95

- sign -0.123+/-0.005 χ^2/NDF: 6270.9/49

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -2.628+/-0.299 χ^2/NDF: 1603.0/20

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -0.295+/-0.270 χ^2/NDF: 2594.9/26

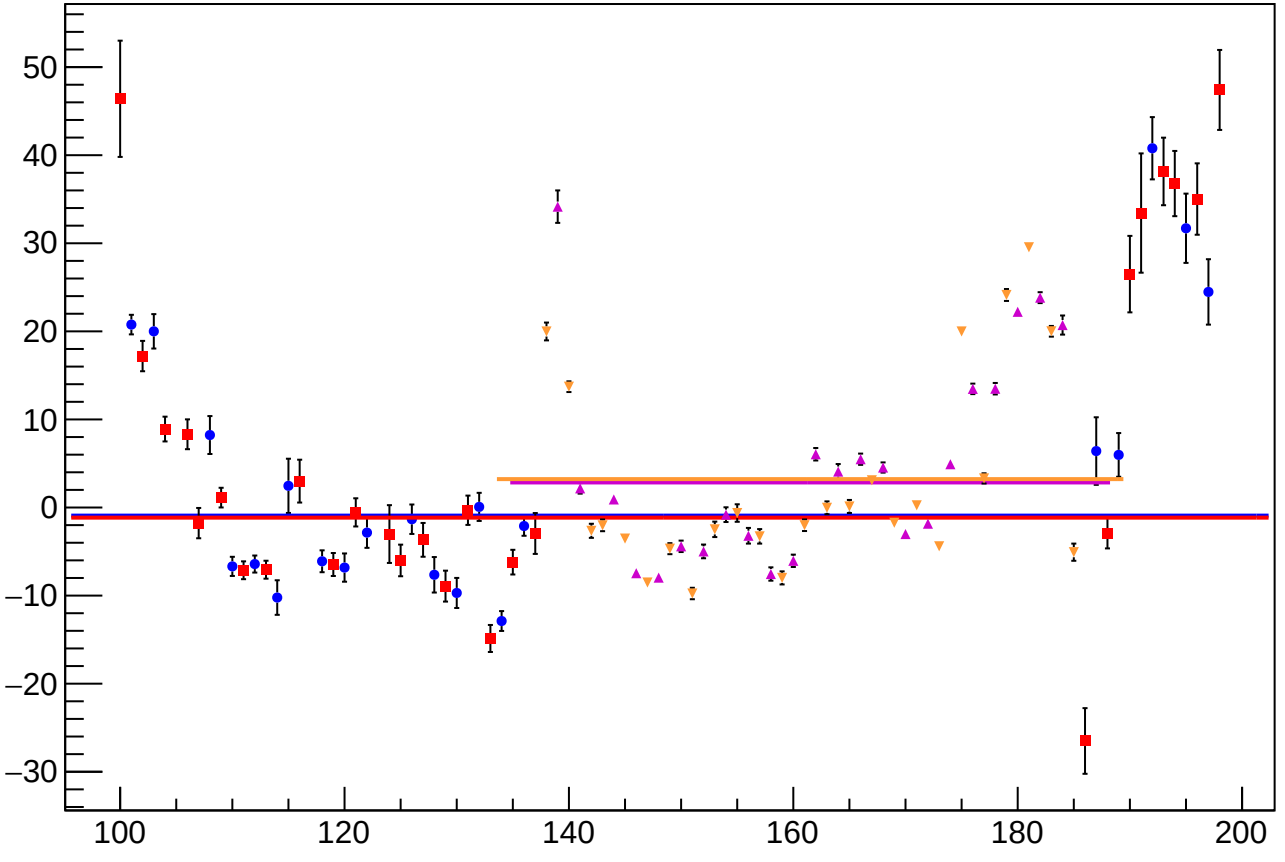
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.207+/-0.144 χ^2/NDF: 27685.9/45

All: -24.813+/-0.102 χ^2/NDF: 54620.6/95

- sign -23.432+/-0.143 χ^2/NDF: 26748.7/49

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -0.920+/-0.346 χ^2/NDF: 1048.2/20

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

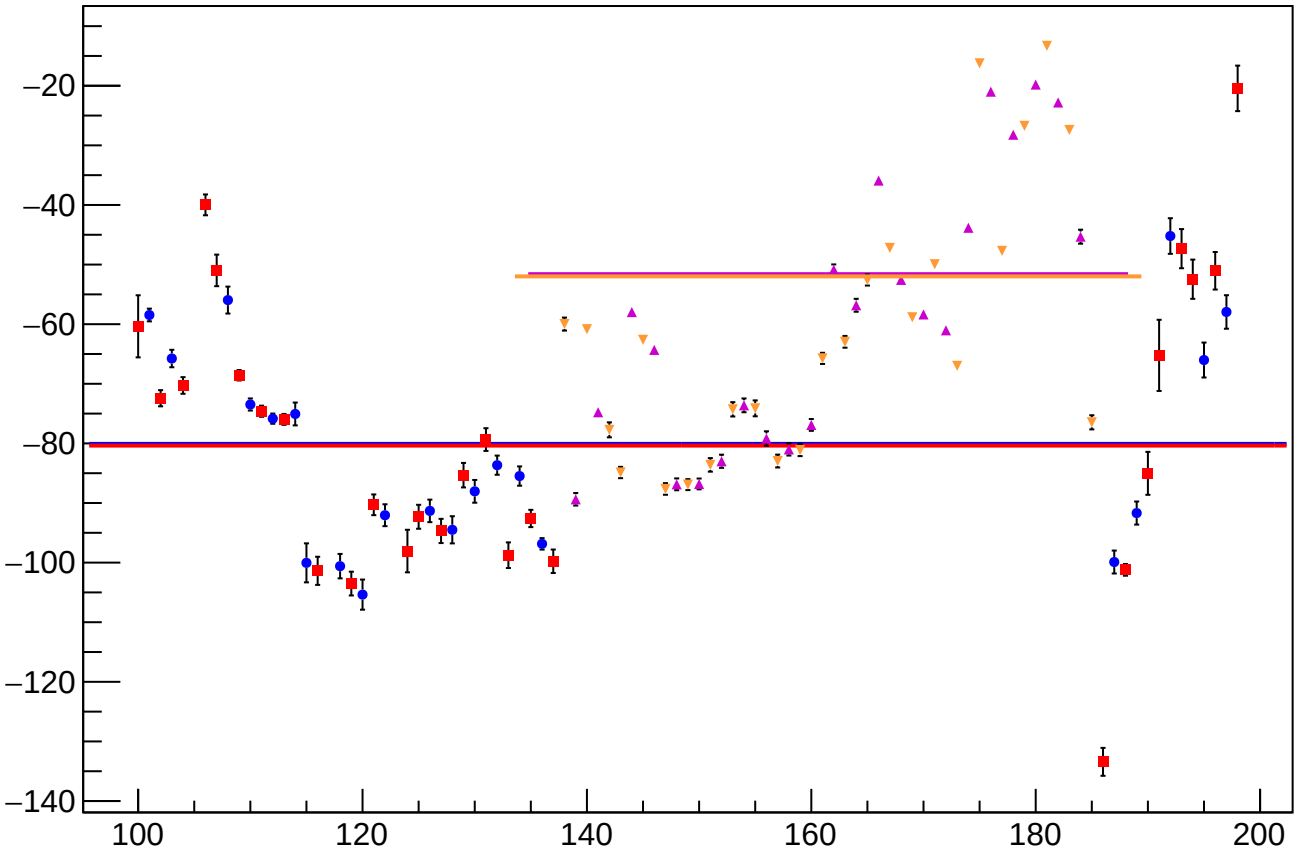
Right Out: -1.149+/-0.340 χ^2/NDF: 980.9/26

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.726+/-0.120 χ^2/NDF: 8849.7/45

All: 2.530+/-0.086 χ^2/NDF: 15411.7/95

- sign 2.327+/-0.122 χ^2/NDF: 6556.6/49



Right In: -80.084+/-0.345 χ^2/NDF: 1750.6/20

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.366+/-0.321 χ^2/NDF: 3080.8/26

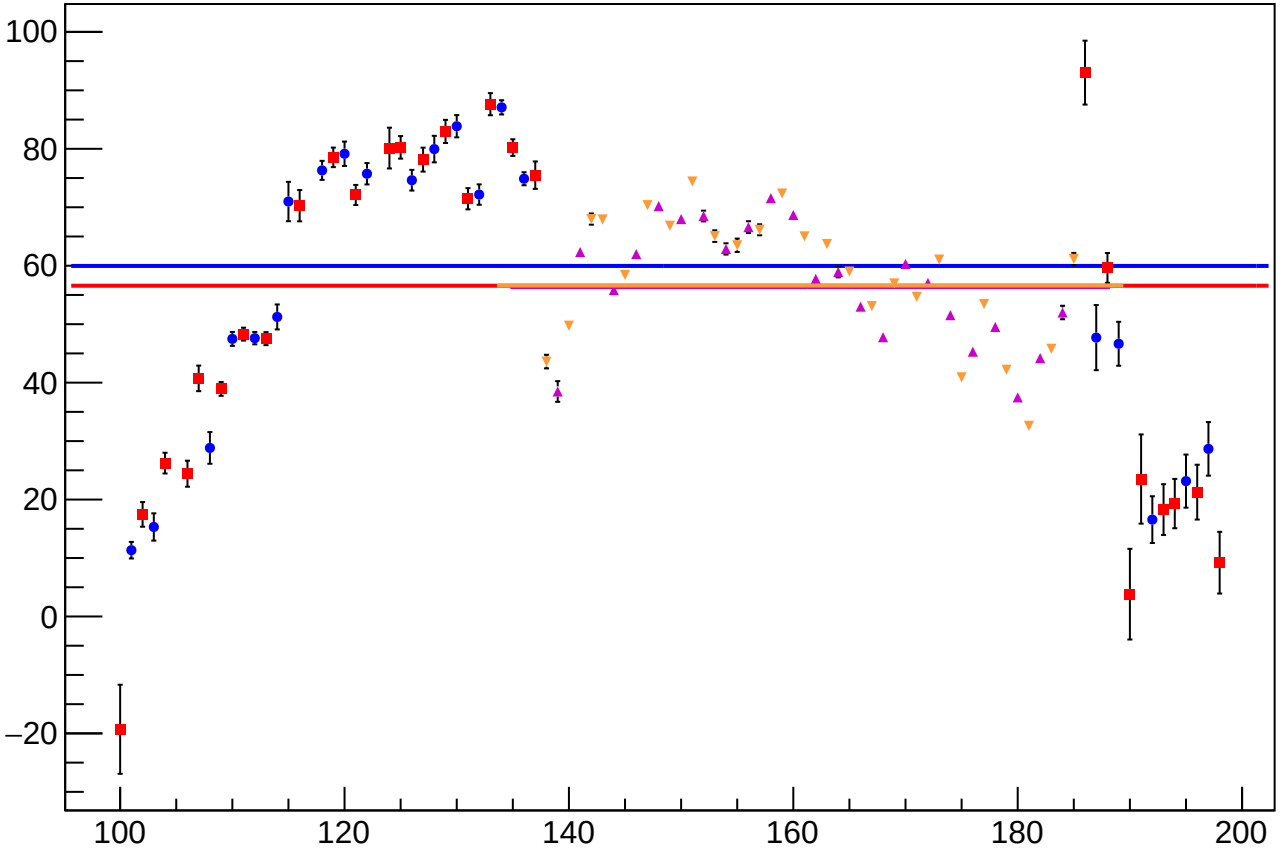
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.214+/-0.149 χ^2/NDF: 28051.1/45

All: -57.527+/-0.105 χ^2/NDF: 55032.9/95

- sign -57.843+/-0.150 χ^2/NDF: 26972.9/49

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 59.964+/-0.392 χ^2/NDF: 3485.4/20

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 56.579+/-0.387 χ^2/NDF: 3187.5/26

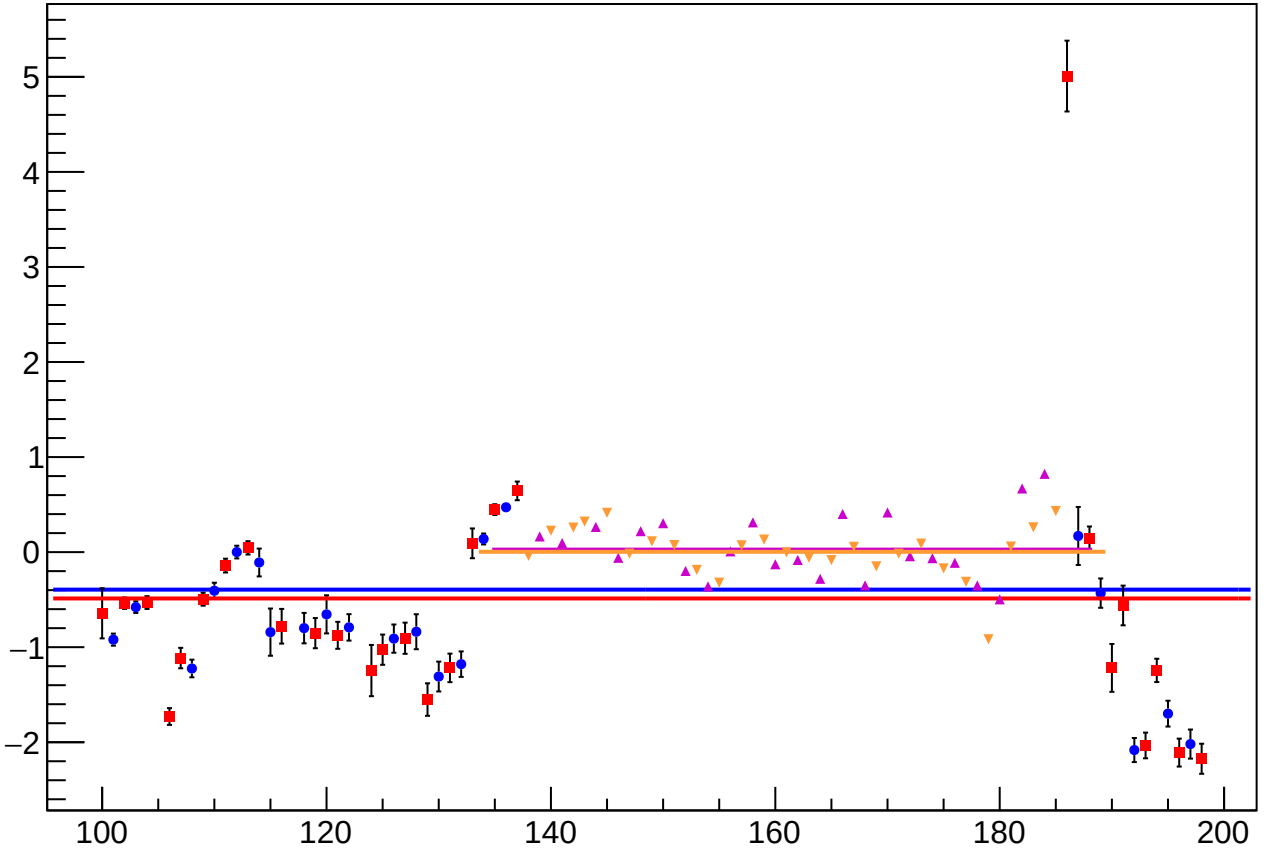
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 57.009+/-0.135 χ^2/NDF: 9215.8/45

All: 56.699+/-0.096 χ^2/NDF: 16383.1/95

- sign 56.377+/-0.138 χ^2/NDF: 7156.5/49

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.395+/-0.021 χ^2/NDF: 1141.7/20

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.488+/-0.020 χ^2/NDF: 1497.2/26

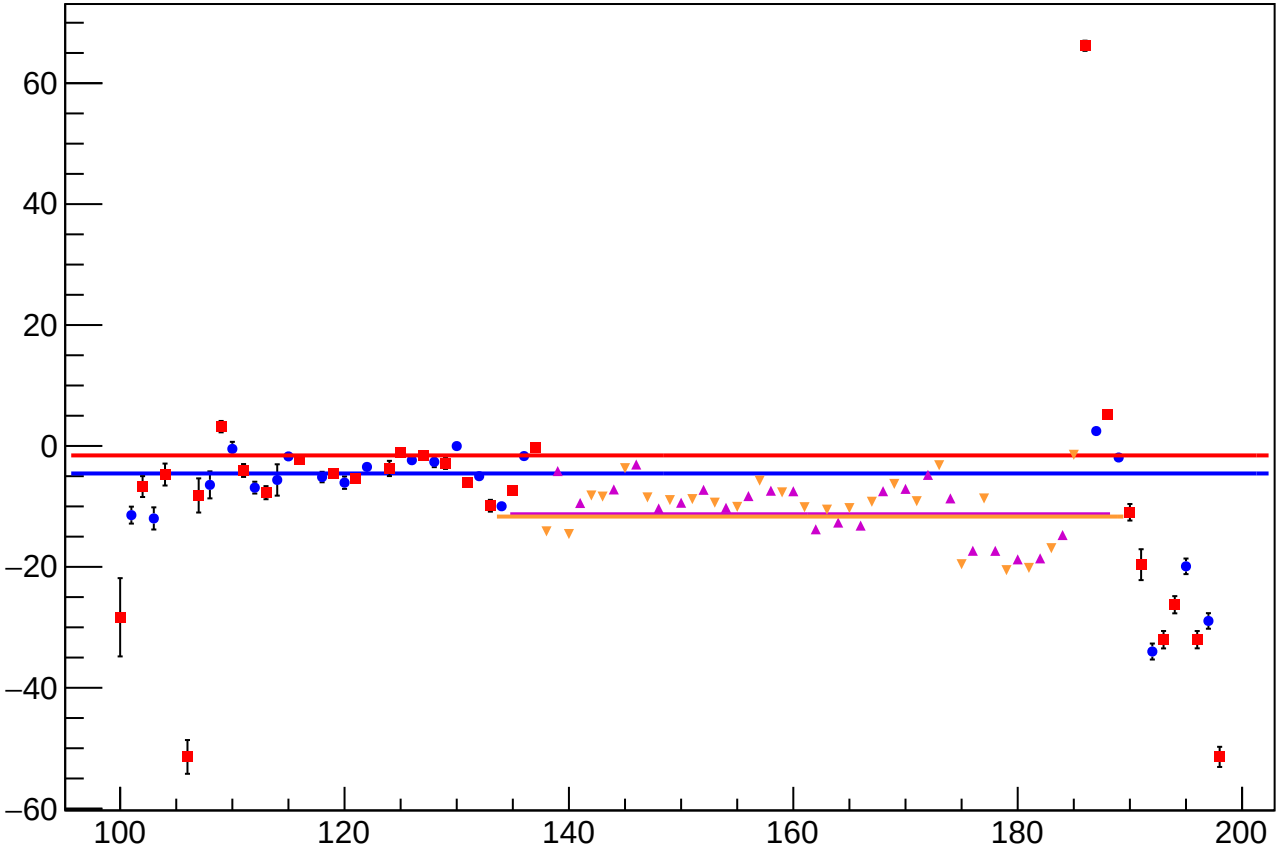
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.032+/-0.006 χ^2/NDF: 3181.7/45

All: -0.027+/-0.004 χ^2/NDF: 7603.9/95

- sign -0.022+/-0.006 χ^2/NDF: 4421.0/49

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.550+/-0.174 χ^2/NDF: 1342.3/20

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

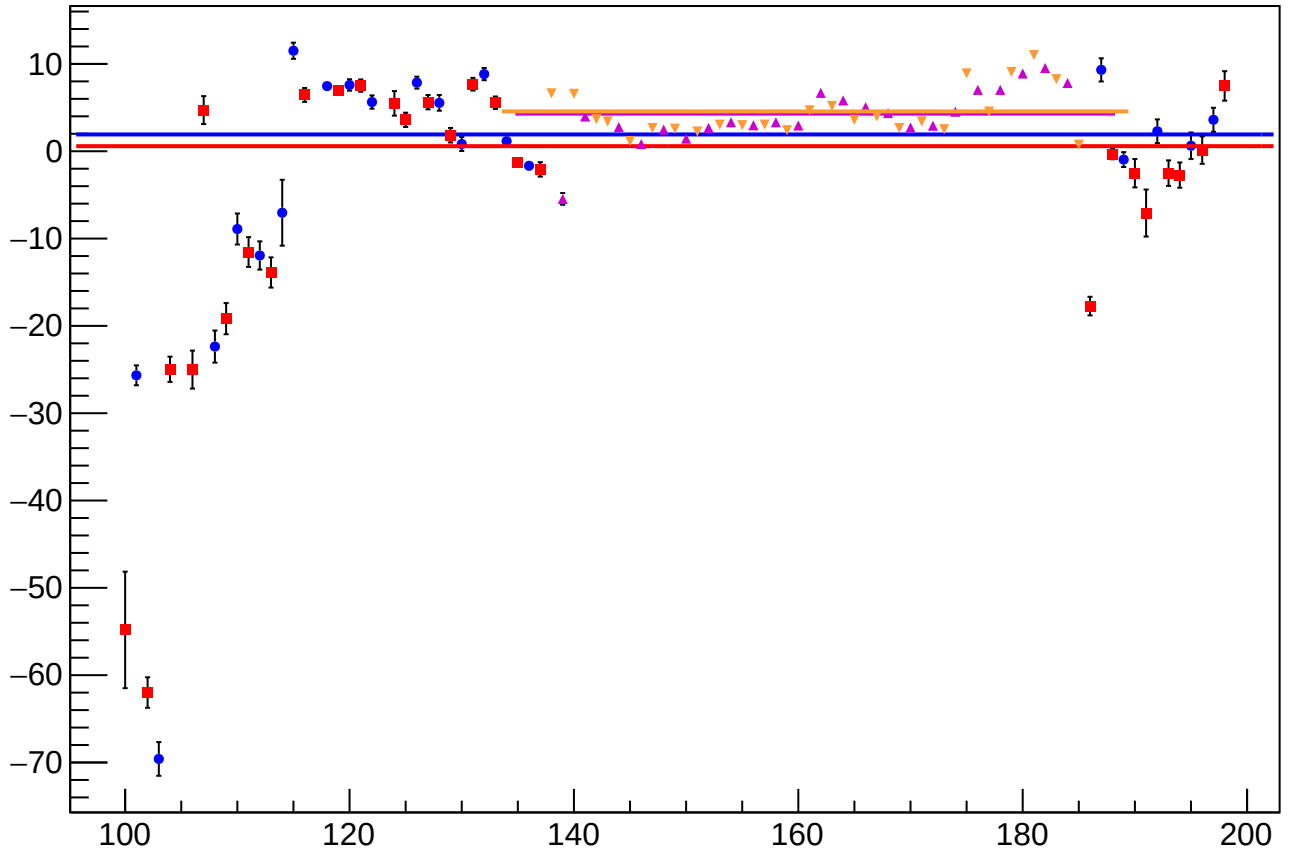
Right Out: -1.565+/-0.170 χ^2/NDF: 9623.7/26

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.083+/-0.050 χ^2/NDF: 15480.6/45

All: -10.753+/-0.036 χ^2/NDF: 37398.0/95

- sign -10.410+/-0.051 χ^2/NDF: 21830.2/49



Right In: 1.925+/-0.178 χ^2/NDF: 2883.0/20

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.583+/-0.186 χ^2/NDF: 2917.1/26

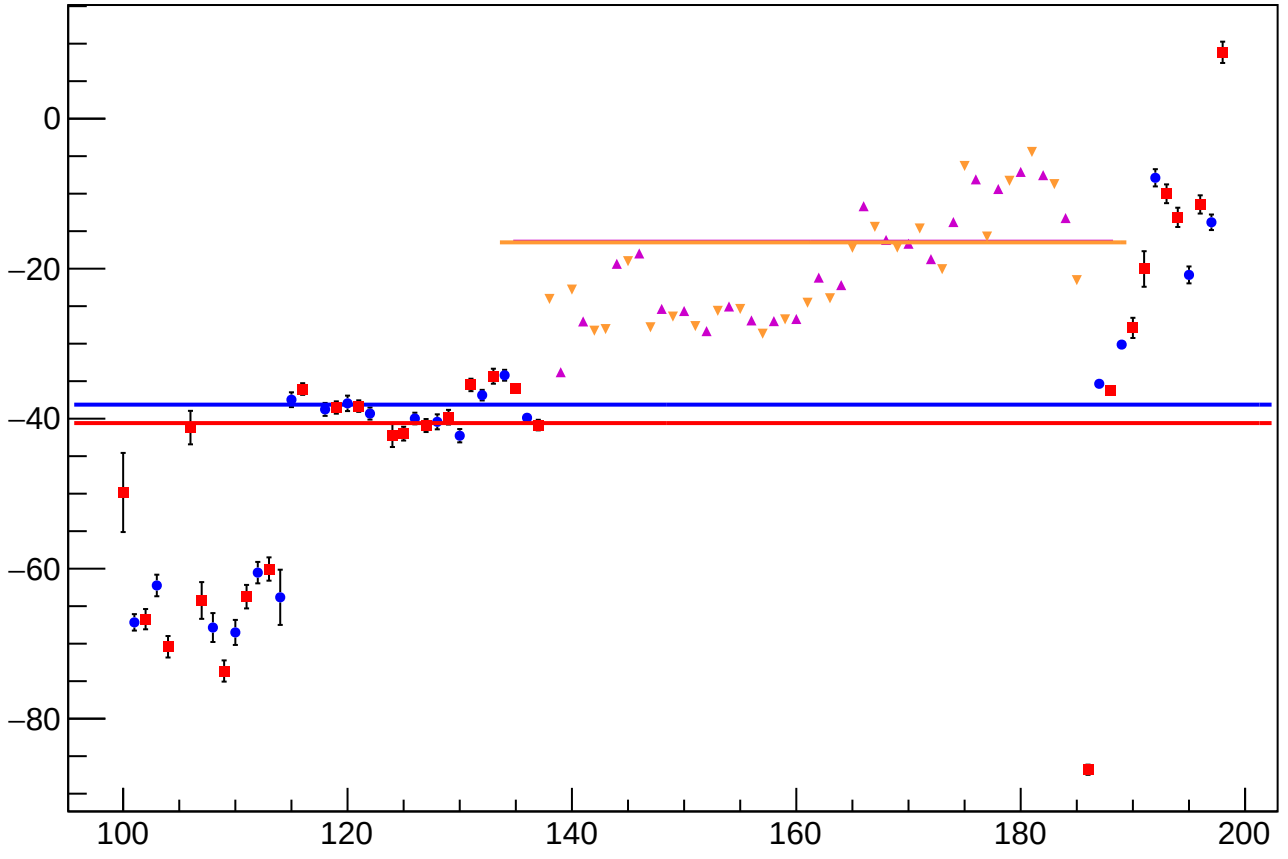
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

\+ sign 4.429+/-0.040 χ^2/NDF: 7447.1/45

All: 4.280+/-0.029 χ^2/NDF: 14382.9/95

\- sign 4.126+/-0.041 χ^2/NDF: 6908.2/49

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -38.129+/-0.182 χ^2/NDF: 3583.1/20

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -40.589+/-0.174 χ^2/NDF: 9868.6/26

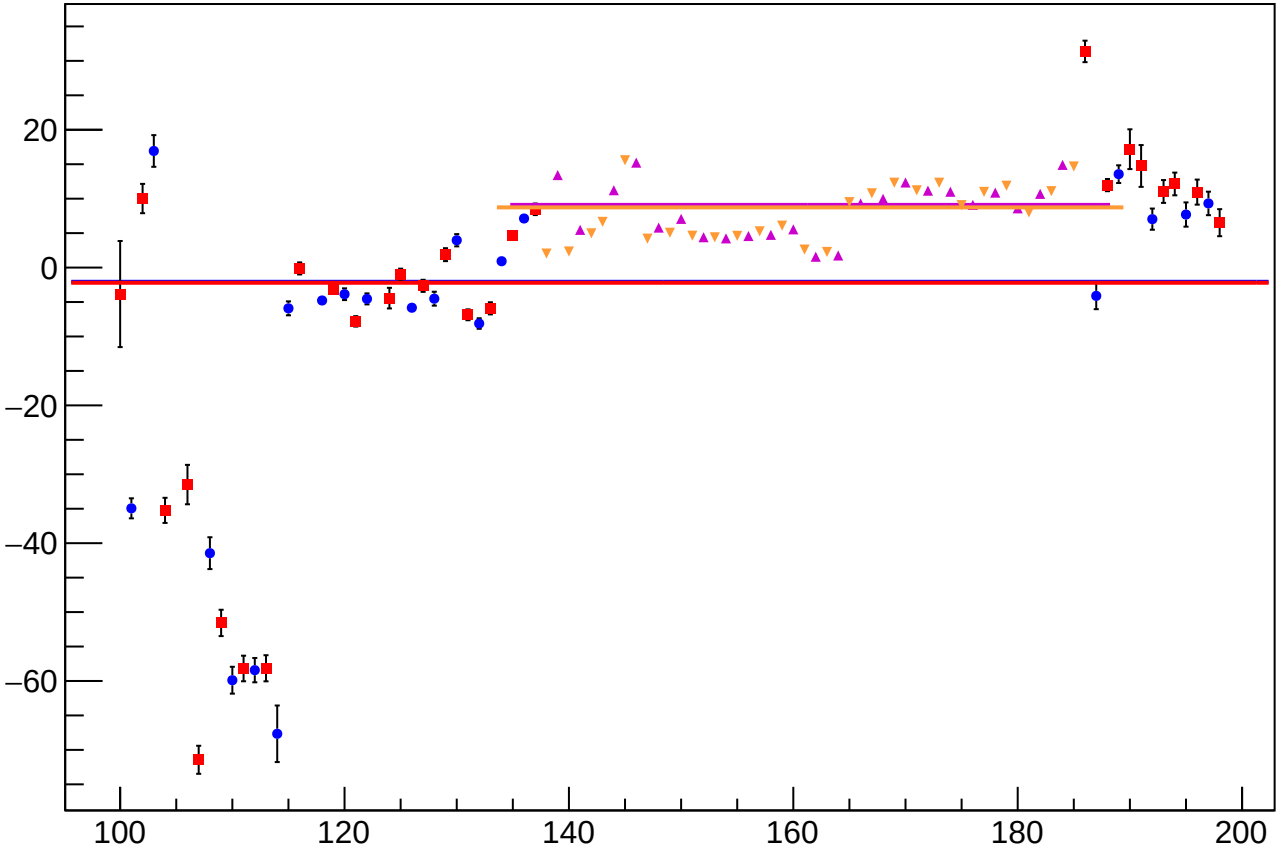
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.174+/-0.051 χ^2/NDF: 38626.7/45

All: -18.344+/-0.036 χ^2/NDF: 84163.7/95

- sign -18.520+/-0.052 χ^2/NDF: 45514.2/49

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.065+/-0.201 χ^2/NDF: 4002.1/20

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -2.203+/-0.214 χ^2/NDF: 5532.3/26

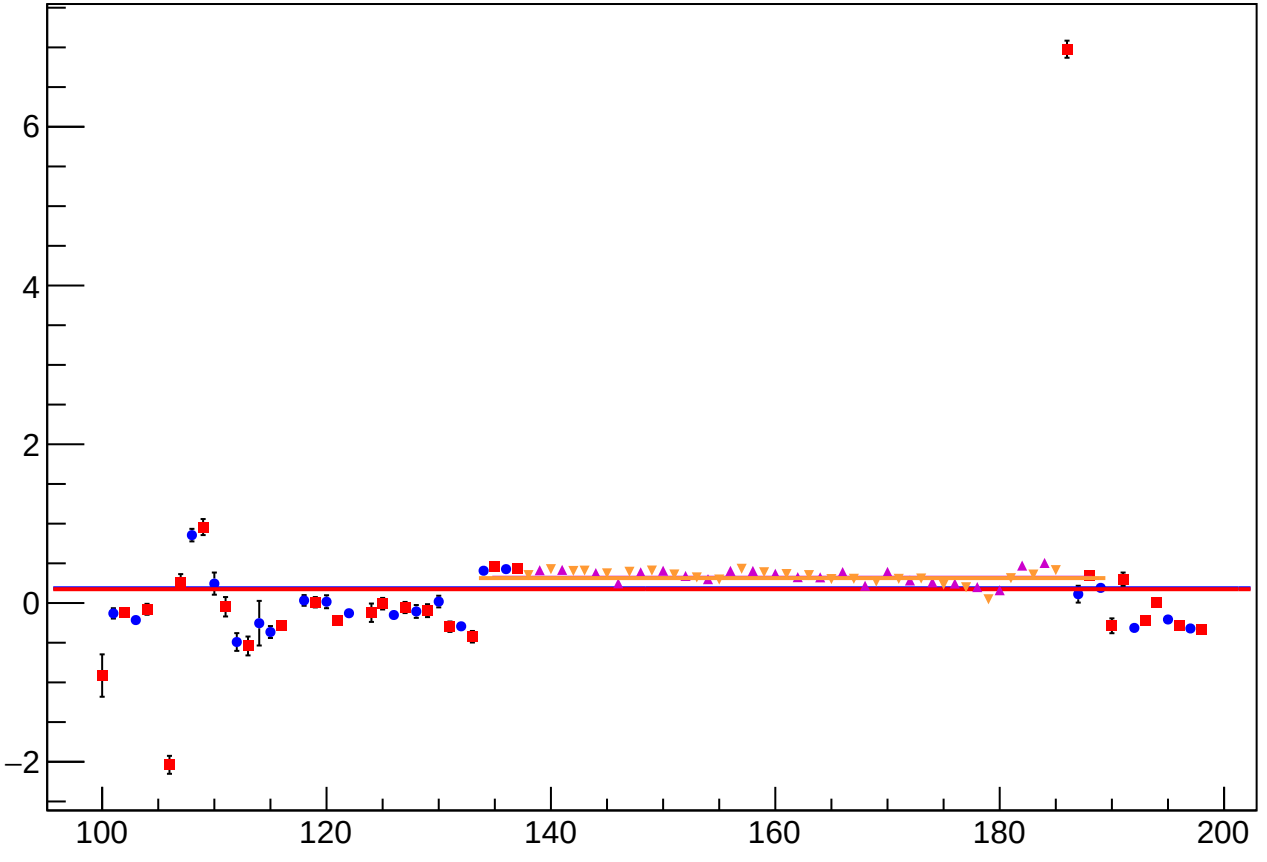
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.194+/-0.045 χ^2/NDF: 13615.5/45

All: 8.380+/-0.032 χ^2/NDF: 27579.8/95

- sign 8.575+/-0.046 χ^2/NDF: 13929.3/49

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.186+/-0.010 χ^2/NDF: 903.6/20

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

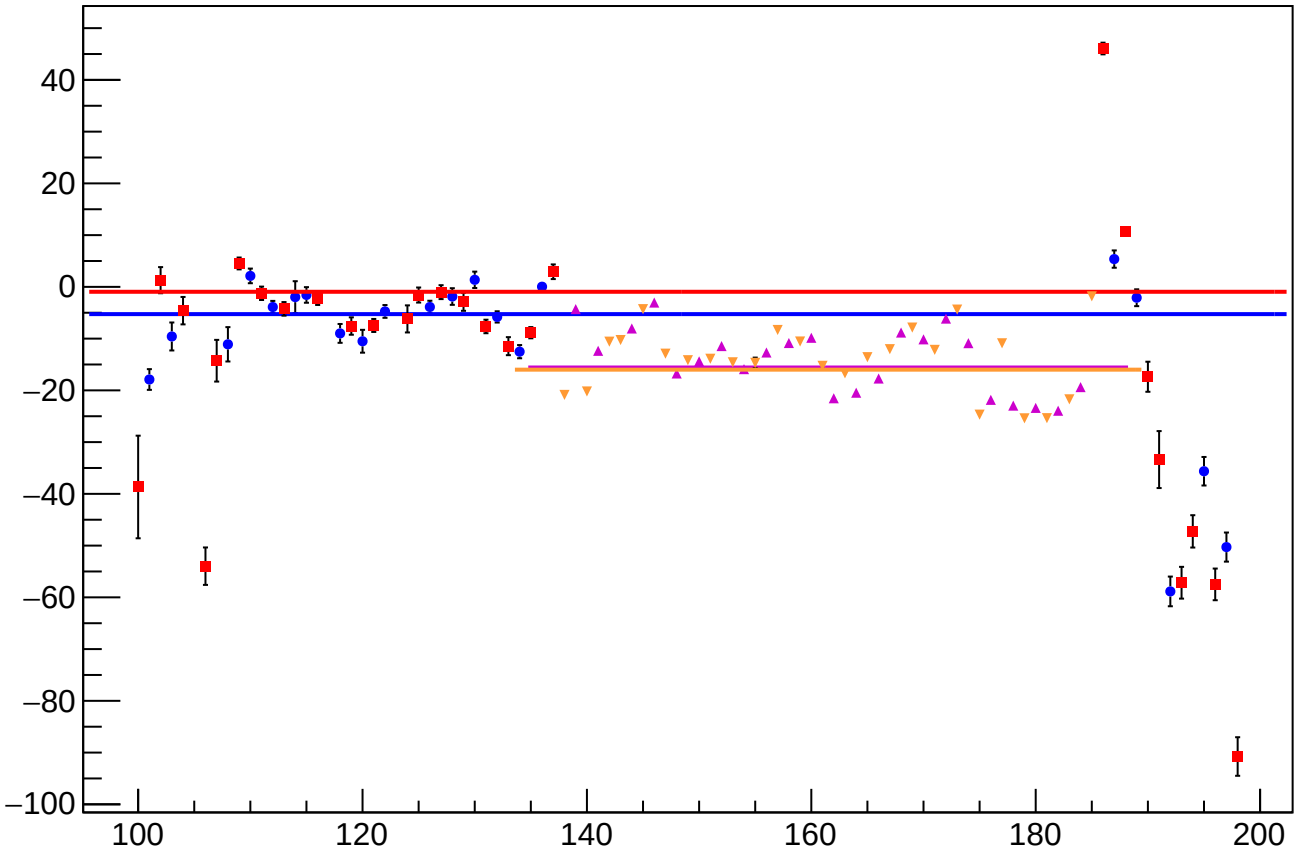
Right Out: 0.174+/-0.011 χ^2/NDF: 5276.7/26

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.309+/-0.002 χ^2/NDF: 2649.8/45

All: 0.311+/-0.001 χ^2/NDF: 9876.6/95

- sign 0.314+/-0.002 χ^2/NDF: 7224.2/49



Right In: -5.265+/-0.325 χ^2/NDF: 974.8/20

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -0.948+/-0.310 χ^2/NDF: 3885.3/26

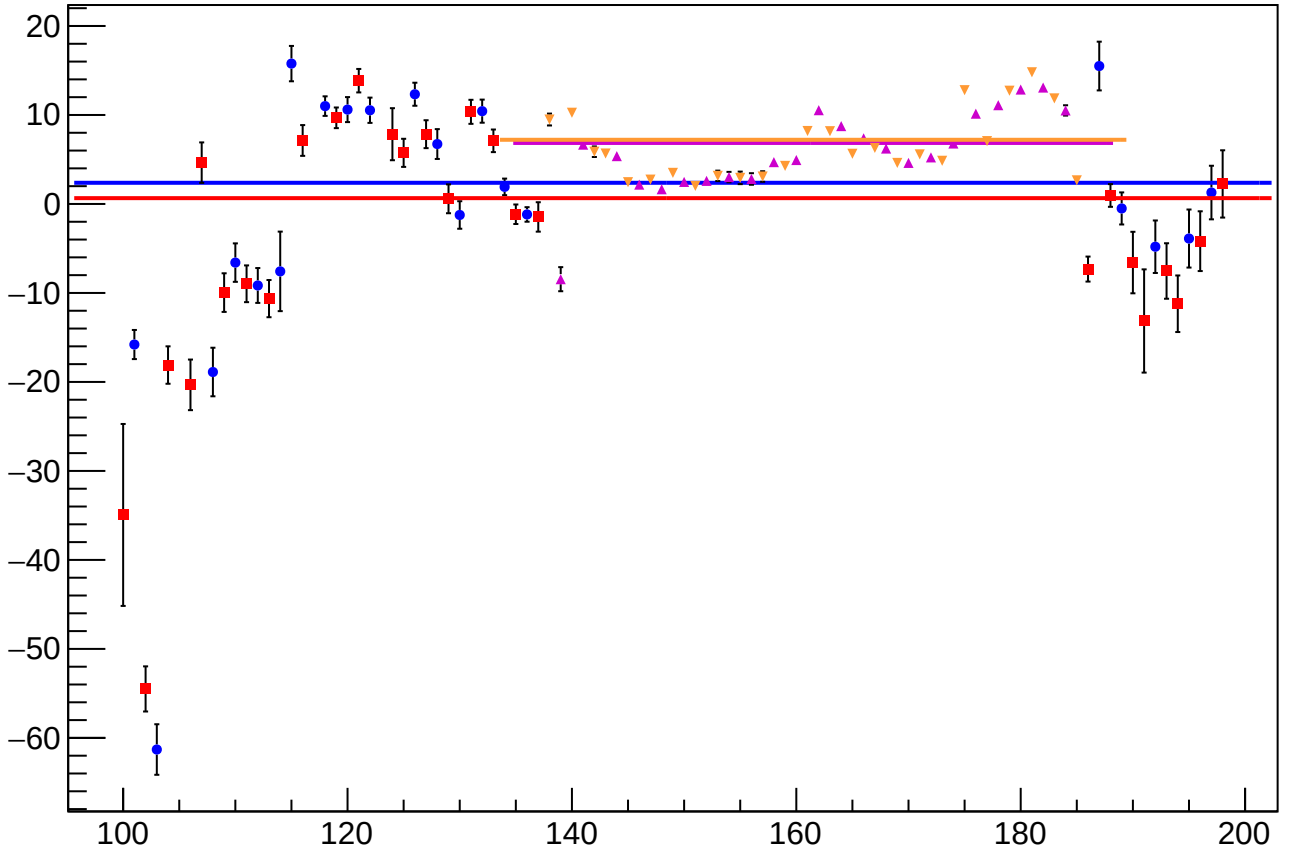
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

\+ sign -15.082+/-0.095 χ^2/NDF: 7935.2/45

All: -14.628+/-0.068 χ^2/NDF: 18635.3/95

\- sign -14.155+/-0.097 χ^2/NDF: 10653.4/49

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.379+/-0.341 χ^2/NDF: 1082.1/20

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.654+/-0.347 χ^2/NDF: 1056.3/26

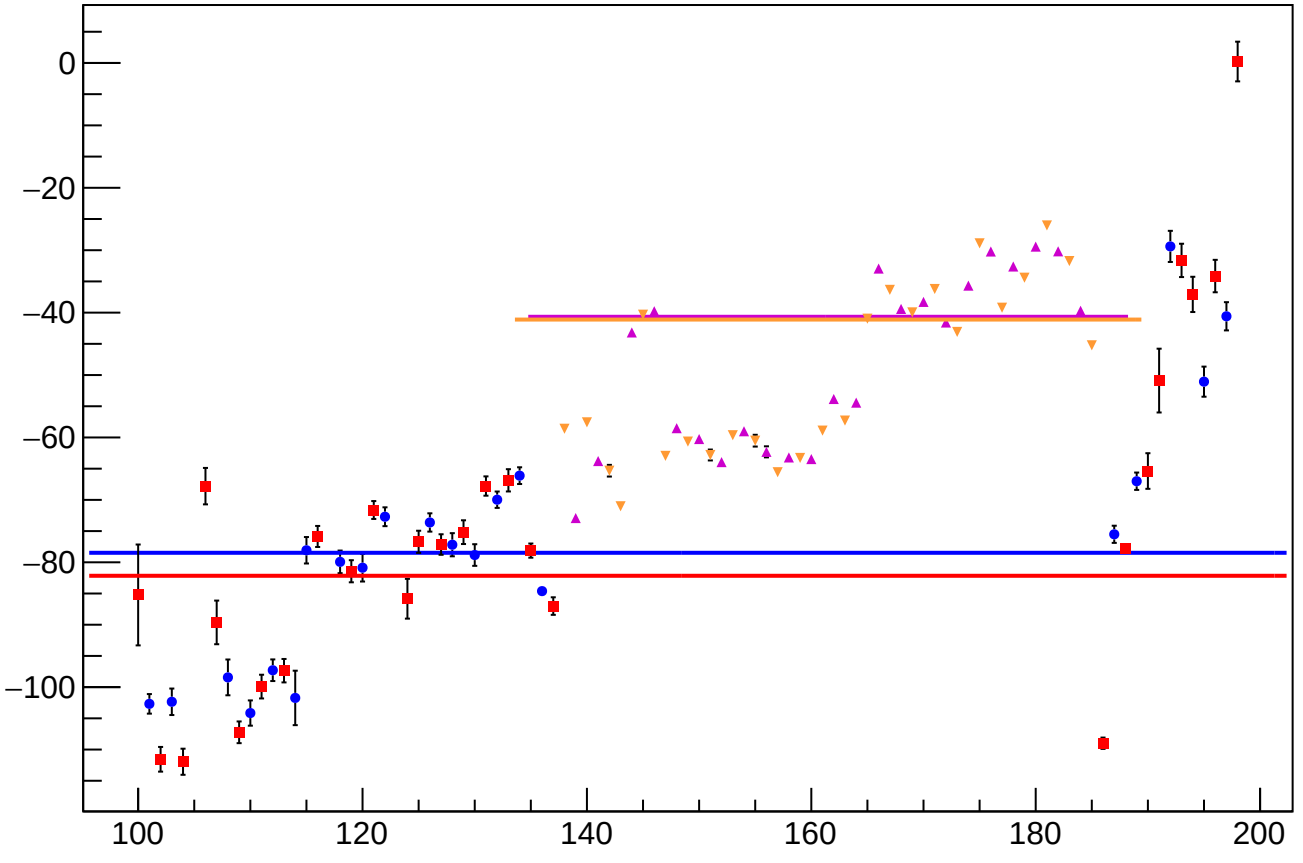
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.959+/-0.078 χ^2/NDF: 3728.7/45

All: 6.750+/-0.055 χ^2/NDF: 7258.9/95

- sign 6.535+/-0.079 χ^2/NDF: 3515.6/49

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -78.476+/-0.346 χ^2/NDF: 1821.2/20

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -82.160+/-0.323 χ^2/NDF: 3712.2/26

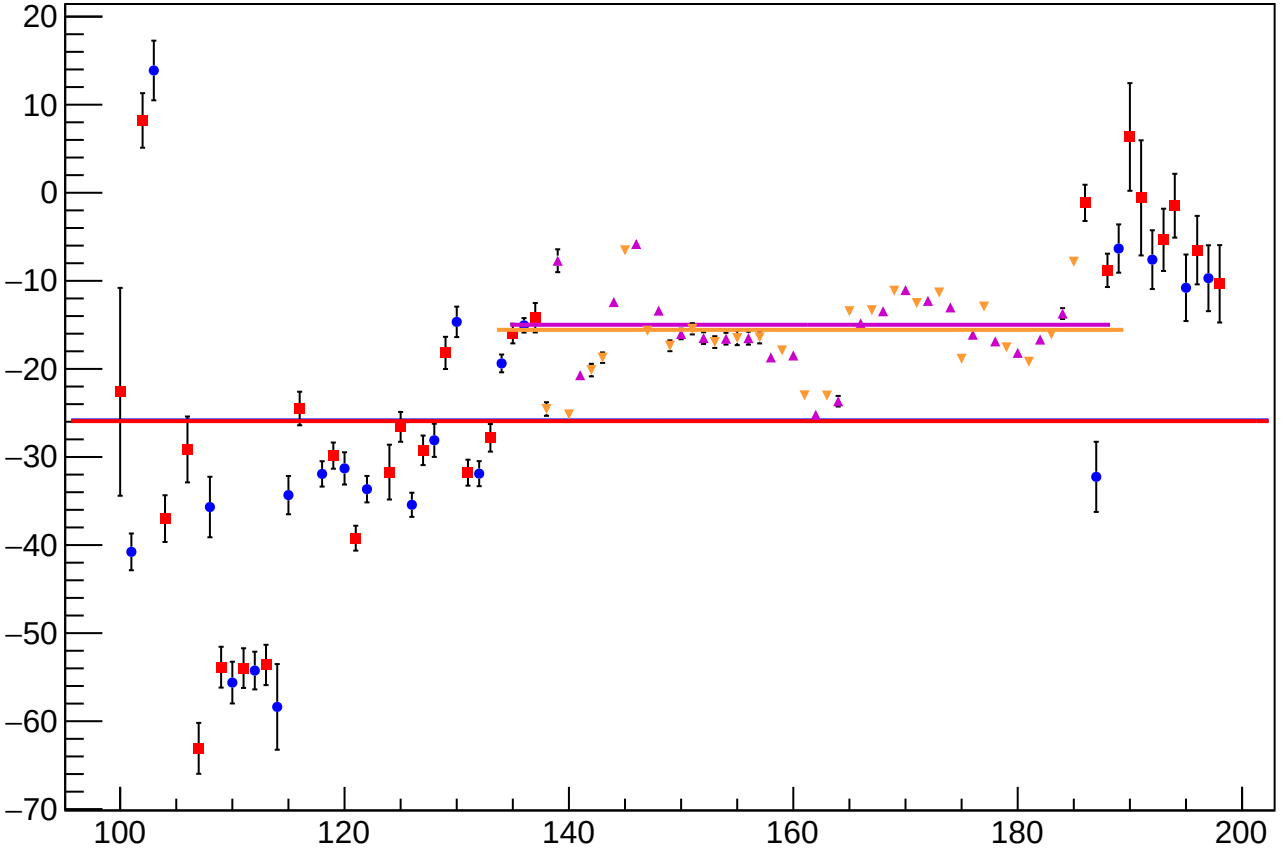
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.989+/-0.096 χ^2/NDF: 28576.8/45

All: -44.214+/-0.068 χ^2/NDF: 60850.4/95

- sign -44.444+/-0.097 χ^2/NDF: 32262.5/49

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -25.850+/-0.383 χ^2/NDF: 1086.9/20

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -25.928+/-0.401 χ^2/NDF: 1405.6/26

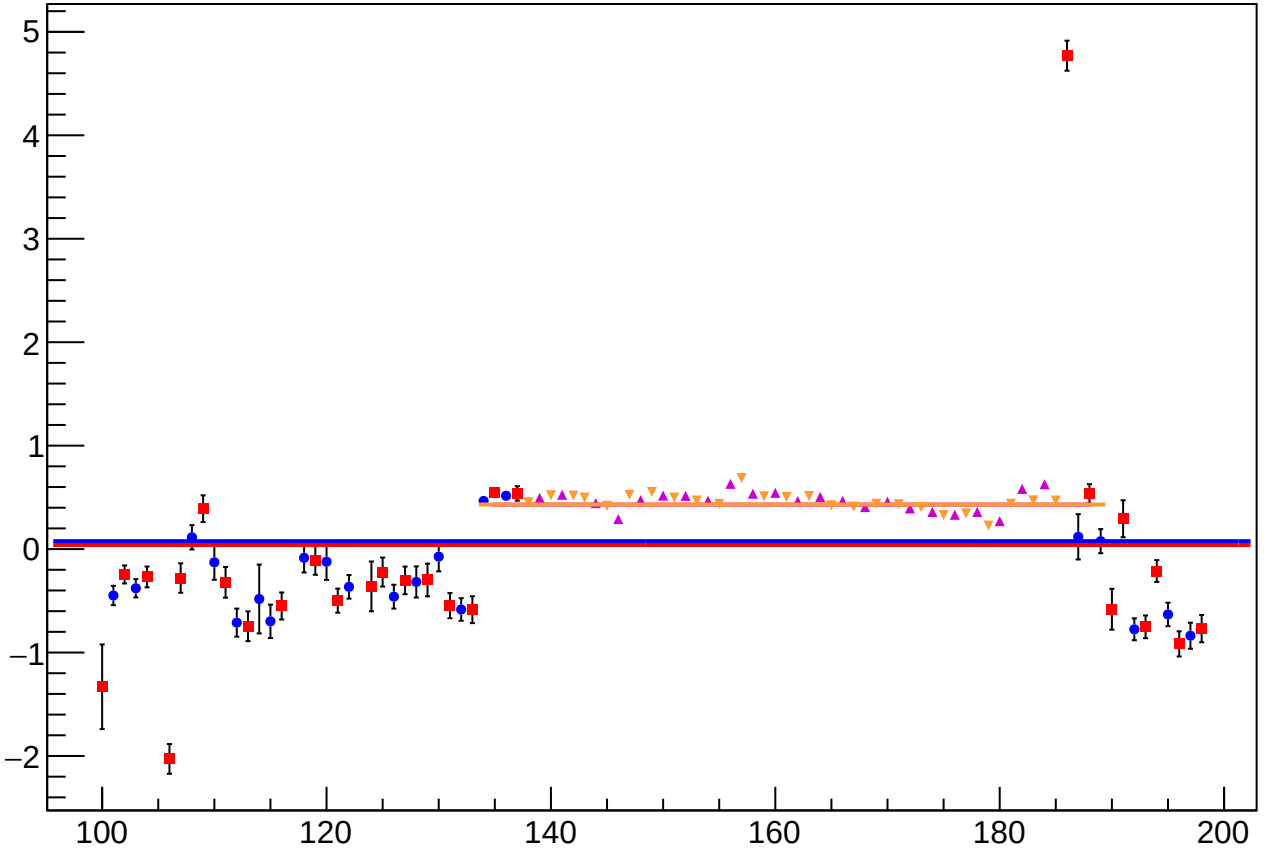
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.088+/-0.087 χ^2/NDF: 4321.2/45

All: -15.808+/-0.062 χ^2/NDF: 8607.3/95

- sign -15.518+/-0.088 χ^2/NDF: 4264.8/49

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.077+/-0.020 χ^2/NDF: 595.4/20

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.040+/-0.021 χ^2/NDF: 1833.1/26

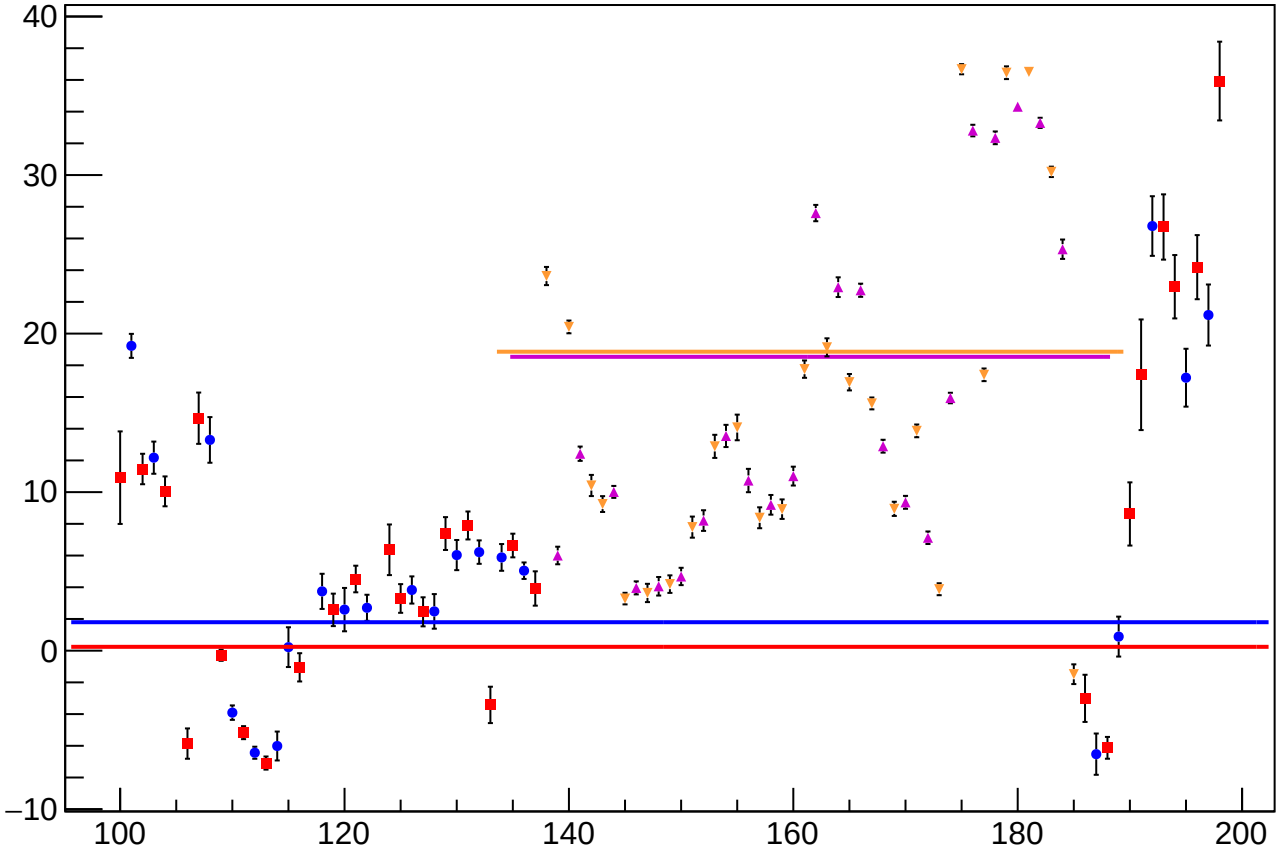
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.417+/-0.004 χ^2/NDF: 1316.0/45

All: 0.417+/-0.003 χ^2/NDF: 4055.6/95

- sign 0.416+/-0.004 χ^2/NDF: 2739.5/49

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.795+/-0.177 χ^2/NDF: 1917.0/20

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.243+/-0.159 χ^2/NDF: 1924.9/26

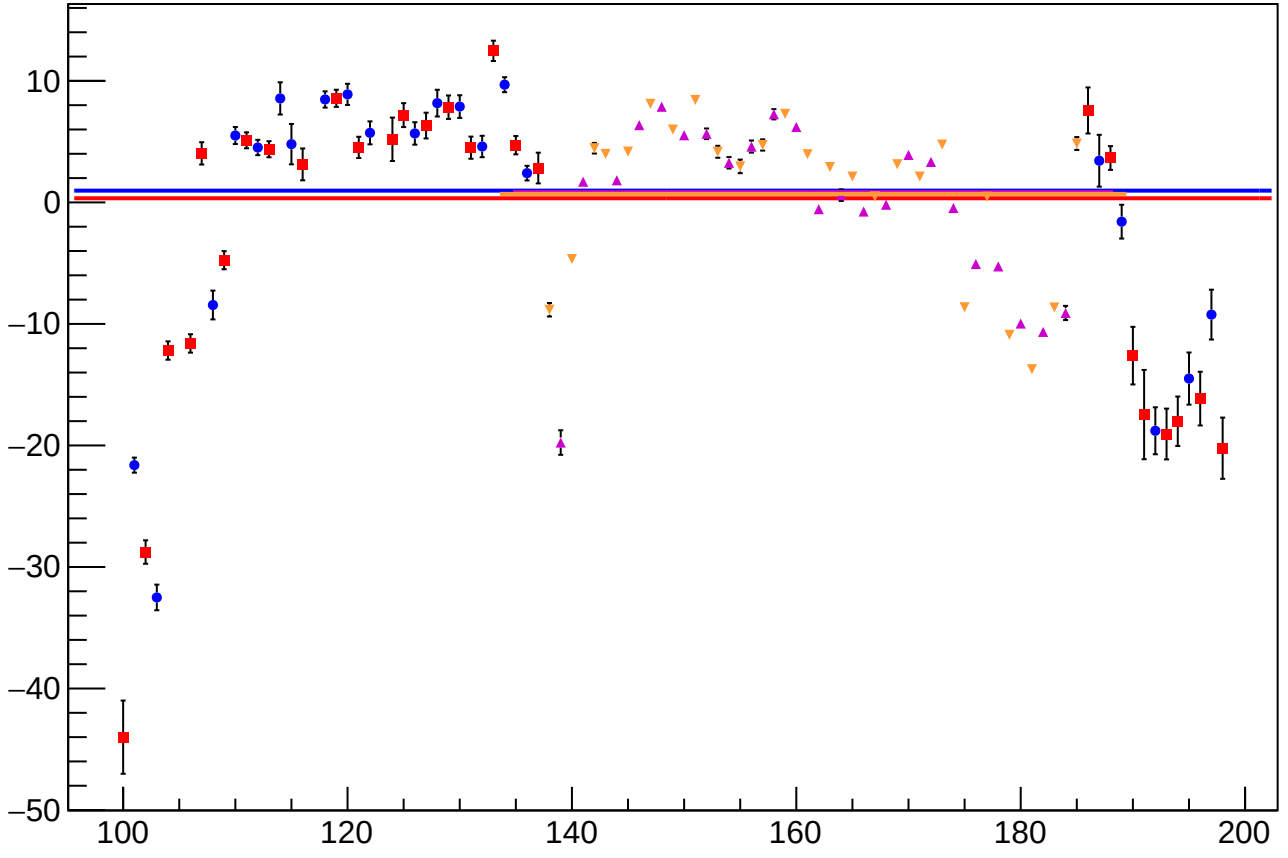
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.329+/-0.081 χ^2/NDF: 27657.6/45

All: 14.595+/-0.057 χ^2/NDF: 53649.1/95

- sign 13.862+/-0.080 χ^2/NDF: 25825.3/49

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.969+/-0.198 χ^2/NDF: 3271.9/20

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.340+/-0.193 χ^2/NDF: 2753.9/26

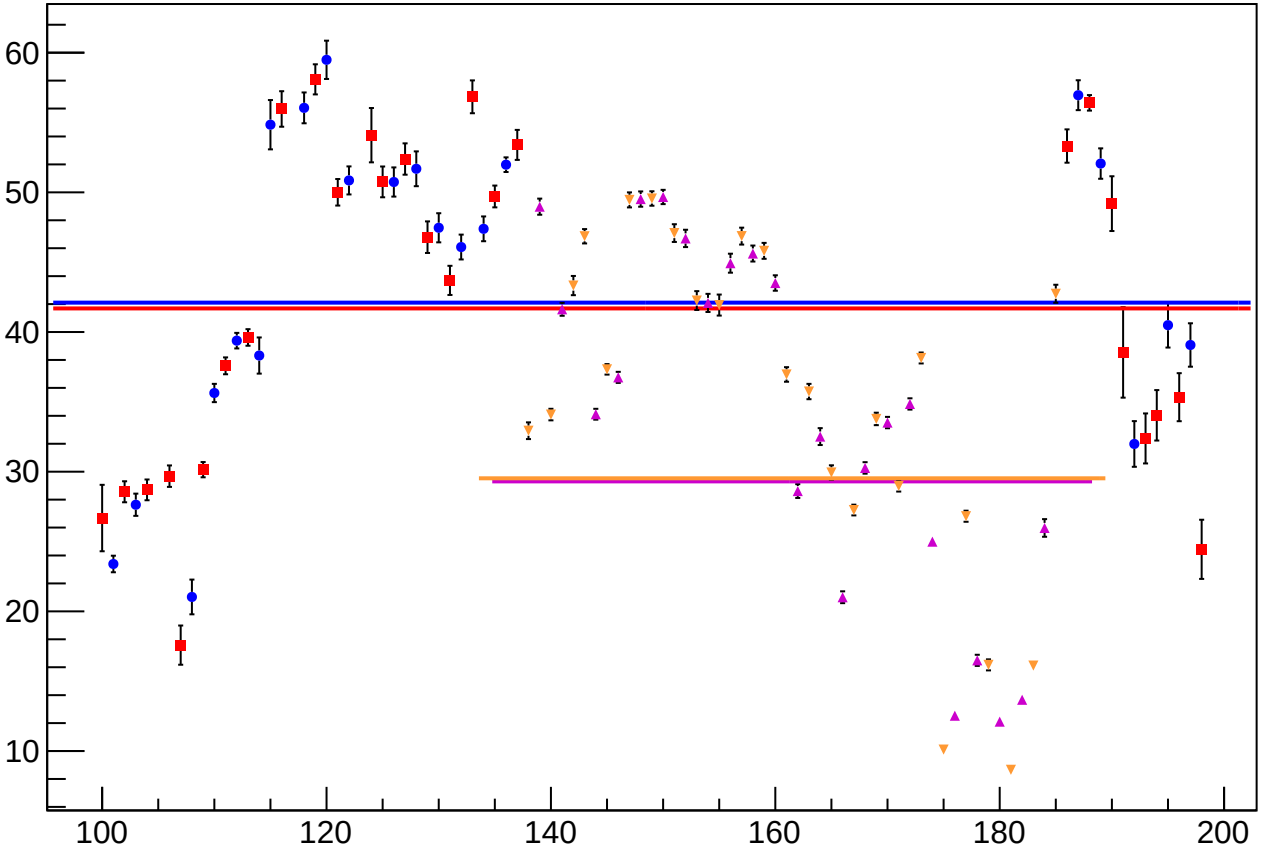
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.732+/-0.066 χ^2/NDF: 11511.3/45

All: 0.758+/-0.047 χ^2/NDF: 20316.9/95

- sign 0.784+/-0.068 χ^2/NDF: 8805.3/49

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 42.104+/-0.198 χ^2/NDF: 3076.3/20

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.689+/-0.183 χ^2/NDF: 3679.5/26

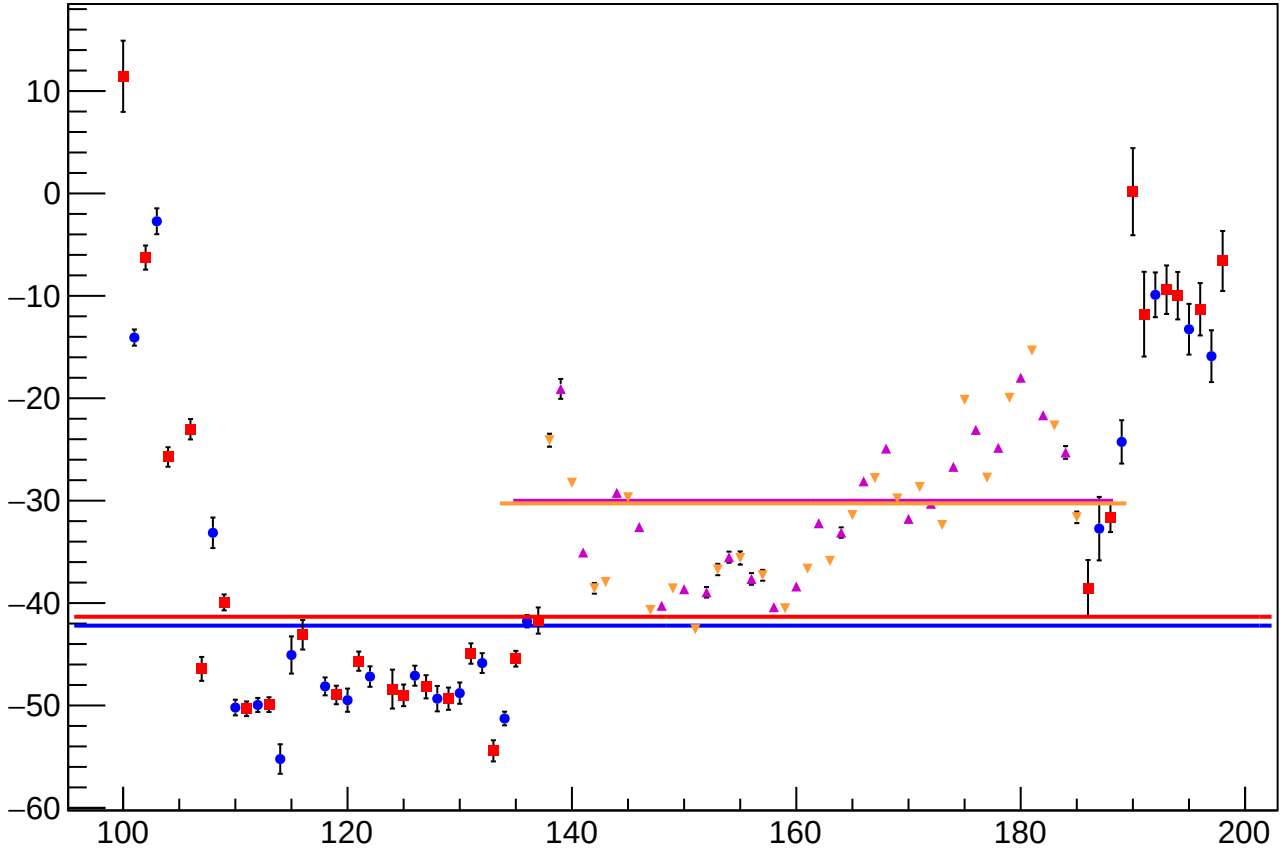
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.698+/-0.082 χ^2/NDF: 27488.7/45

All: 31.771+/-0.058 χ^2/NDF: 52669.1/95

- sign 31.846+/-0.083 χ^2/NDF: 25178.8/49

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -42.203+/-0.224 χ^2/NDF: 3551.4/20

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -41.335+/-0.221 χ^2/NDF: 3334.7/26

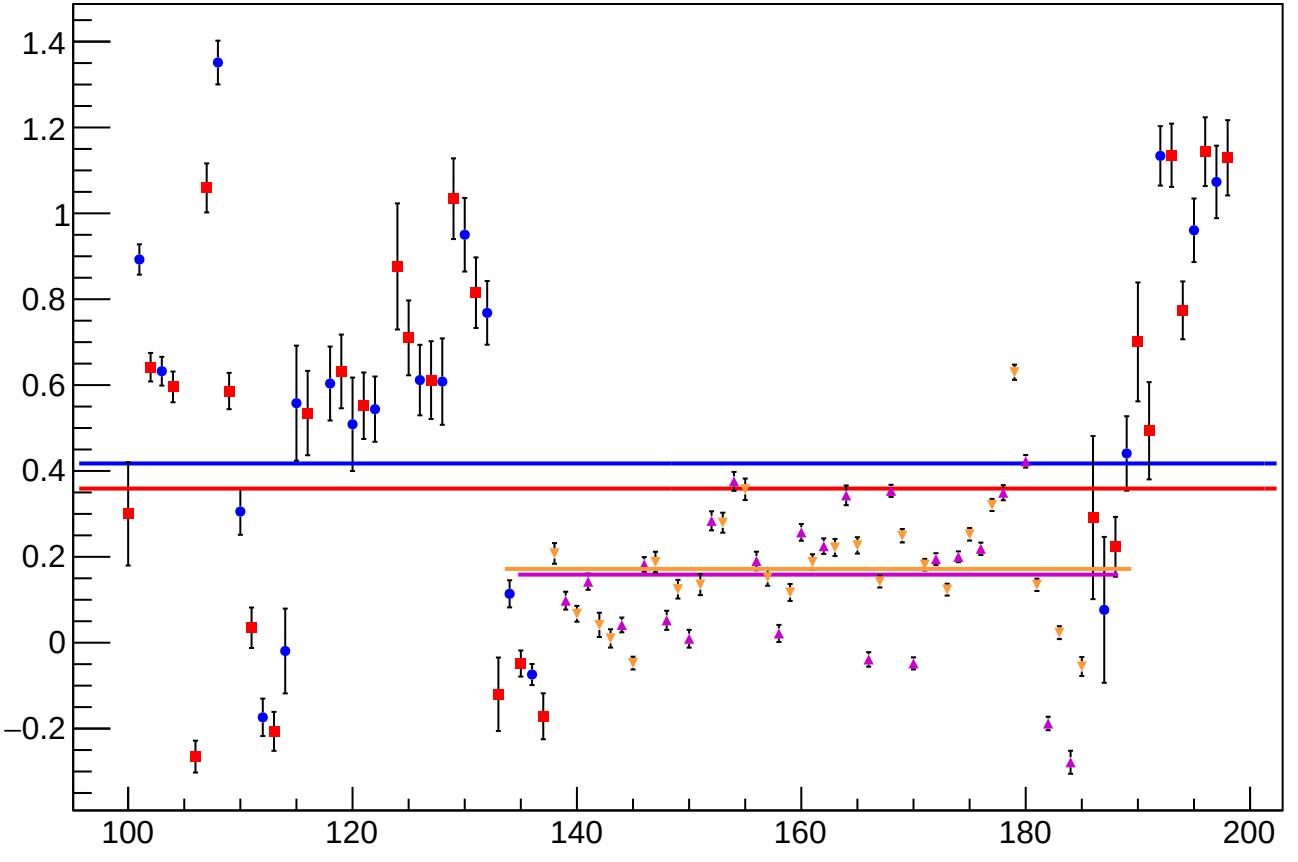
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.592+/-0.075 χ^2/NDF: 14568.0/45

All: -31.478+/-0.053 χ^2/NDF: 26297.4/95

- sign -31.359+/-0.076 χ^2/NDF: 11724.7/49

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.417+/-0.012 χ^2/NDF: 1562.7/20

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.359+/-0.011 χ^2/NDF: 1563.2/26

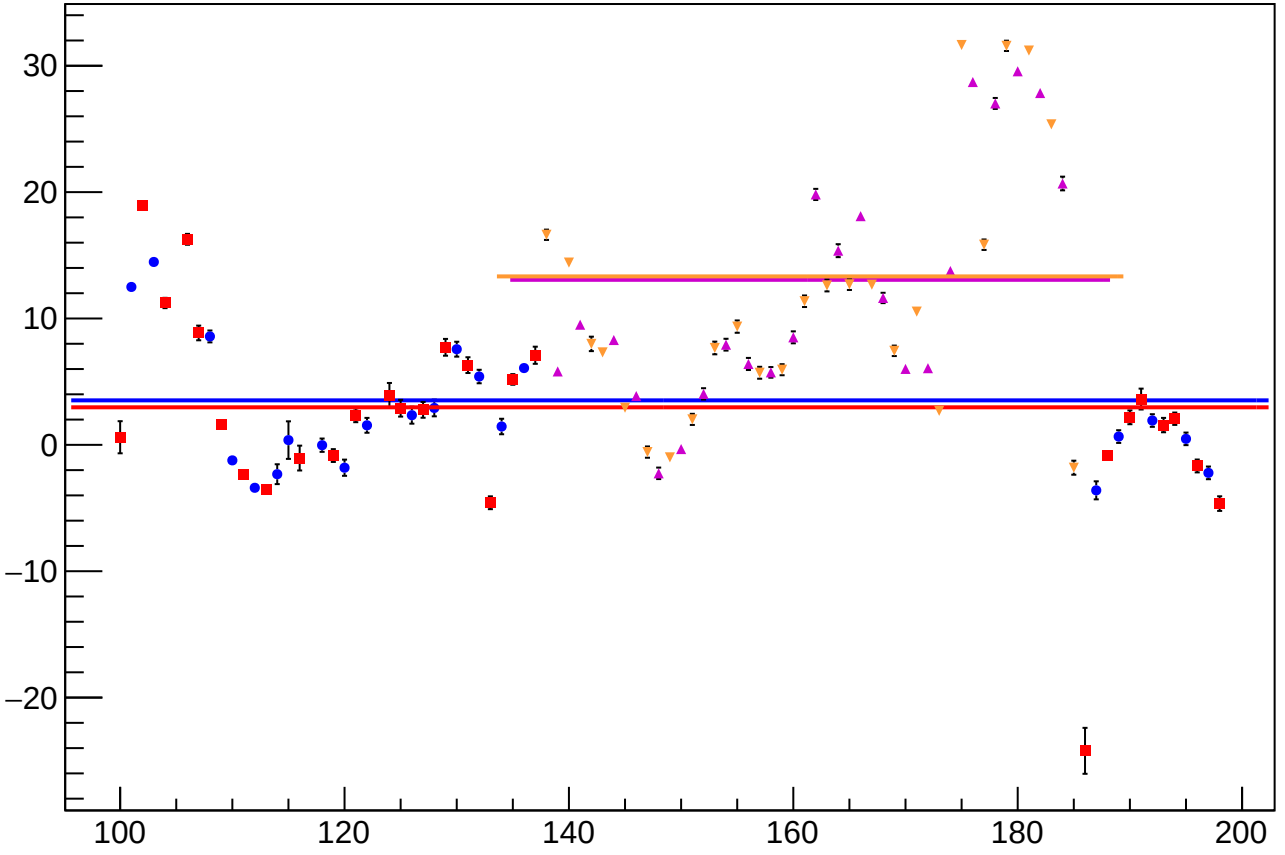
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.193+/-0.003 χ^2/NDF: 3472.8/45

All: 0.185+/-0.002 χ^2/NDF: 7520.3/95

- sign 0.177+/-0.003 χ^2/NDF: 4037.3/49

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.521+/-0.105 χ^2/NDF: 2993.4/20

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.971+/-0.092 χ^2/NDF: 5076.3/26

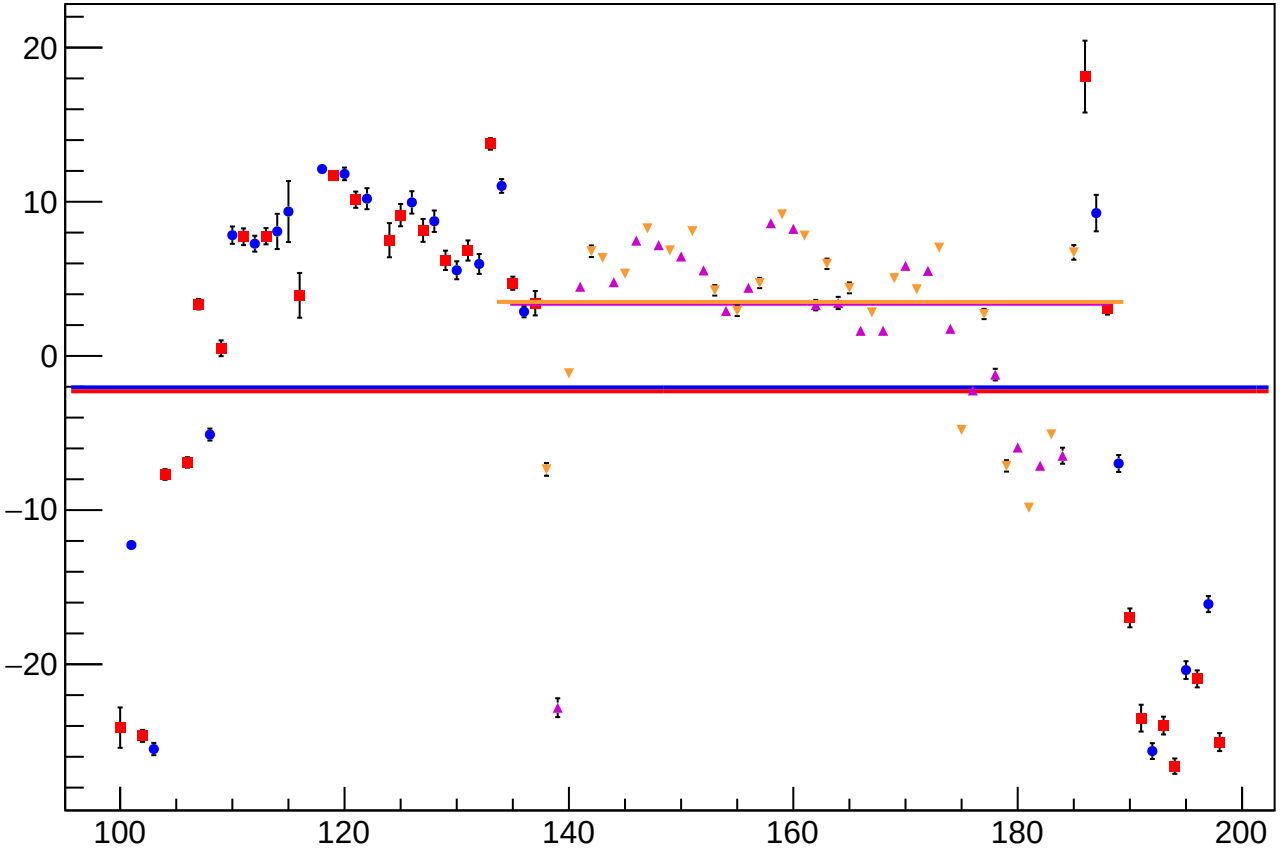
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 9.906+/-0.062 χ^2/NDF: 28126.9/45

All: 9.314+/-0.043 χ^2/NDF: 55842.4/95

- sign 8.757+/-0.060 χ^2/NDF: 27538.3/49

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -2.041+/-0.106 χ^2/NDF: 15047.8/20

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -2.294+/-0.097 χ^2/NDF: 18417.4/26

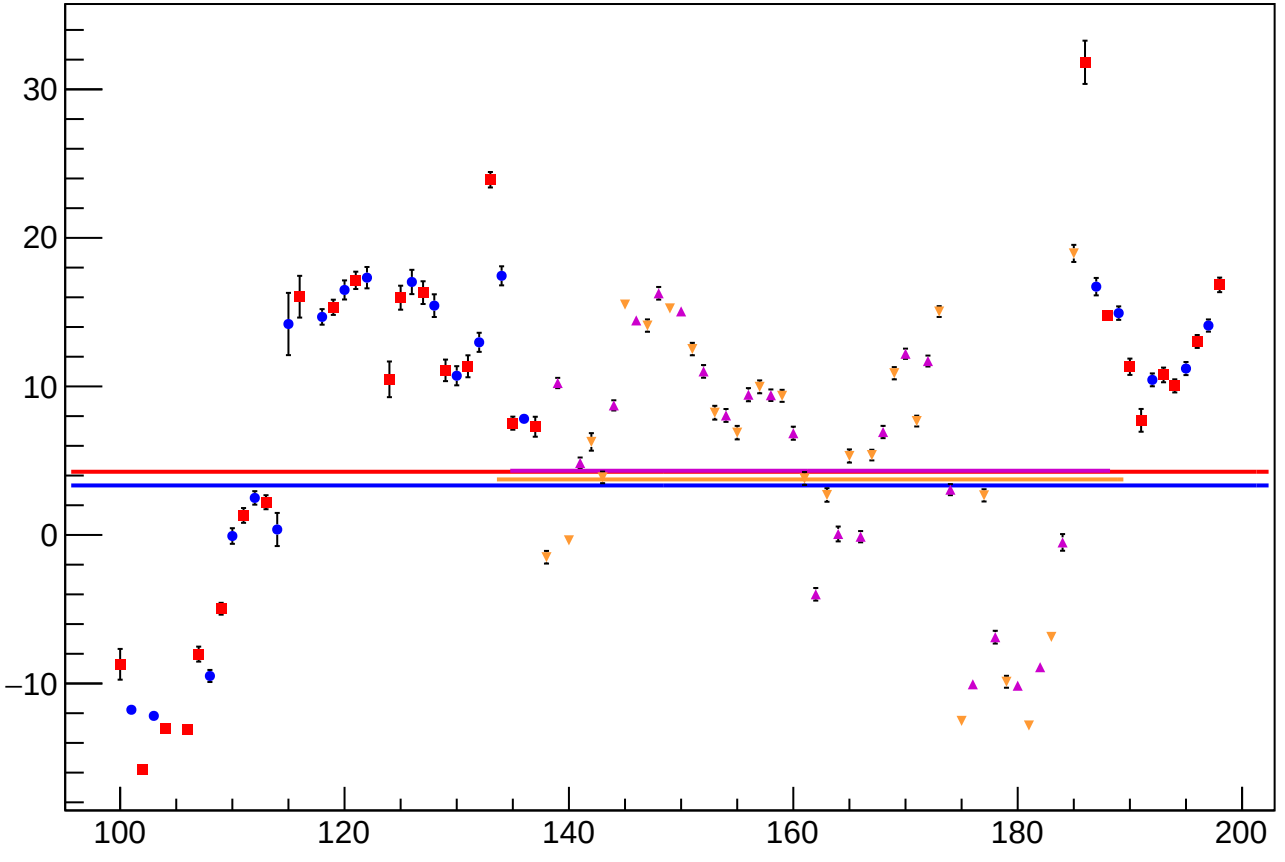
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.207+/-0.051 χ^2/NDF: 25053.3/45

All: 1.997+/-0.036 χ^2/NDF: 52655.5/95

- sign 1.784+/-0.052 χ^2/NDF: 27568.5/49

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 3.333+/-0.103 χ^2/NDF: 12513.2/20

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

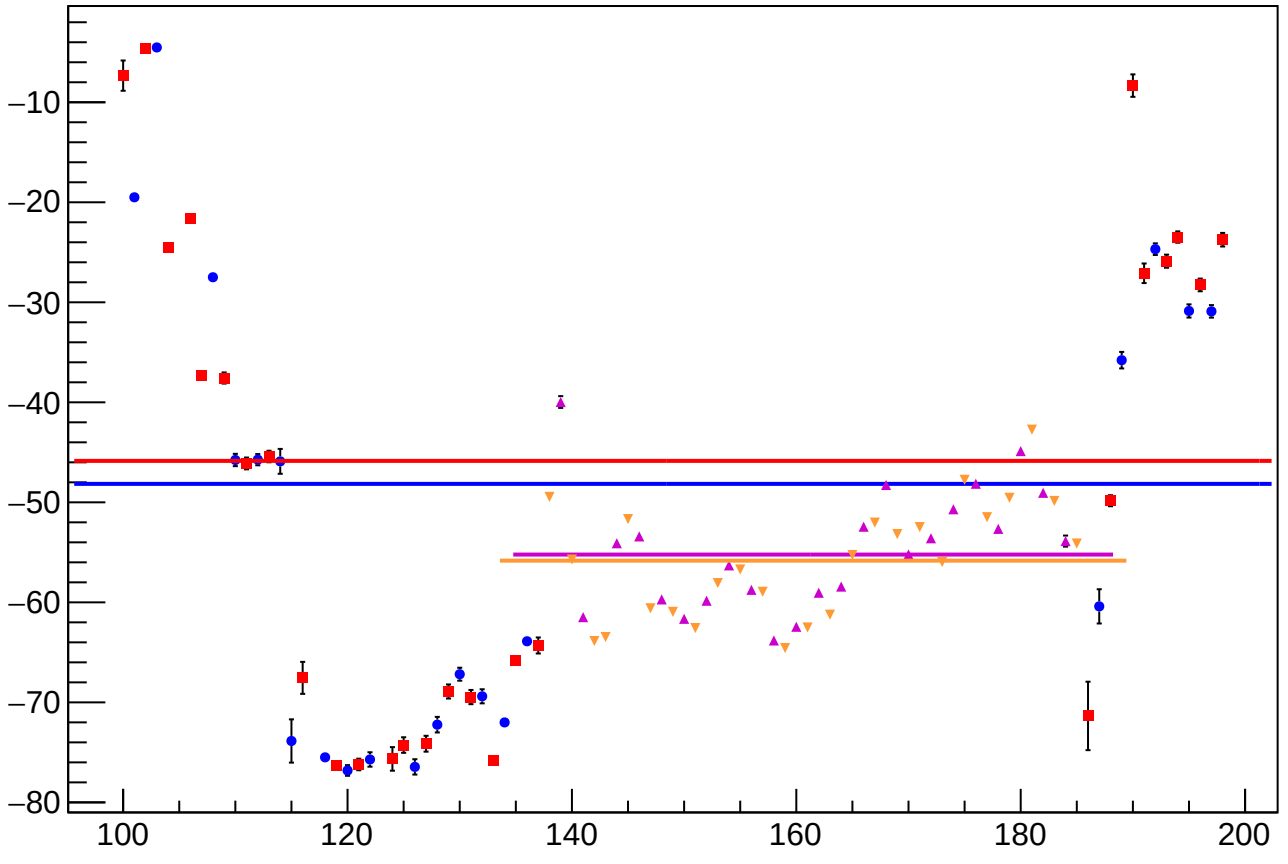
Right Out: 4.255+/-0.090 χ^2/NDF: 19109.1/26

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.594+/-0.061 χ^2/NDF: 28109.9/45

All: 3.956+/-0.043 χ^2/NDF: 59769.8/95

- sign 4.293+/-0.059 χ^2/NDF: 31592.8/49



Right In: -48.155+/-0.125 χ^2/NDF: 37645.9/20

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

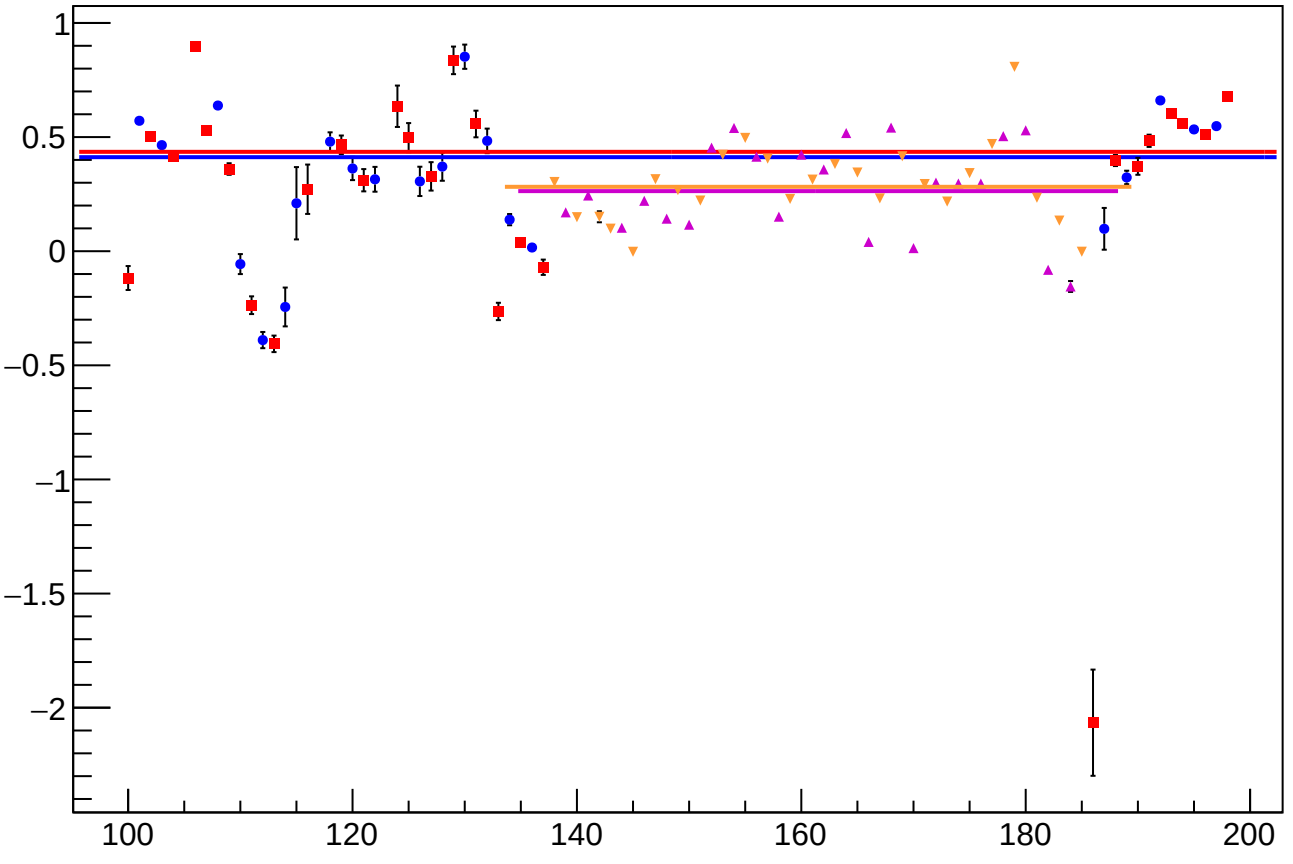
Right Out: -45.856+/-0.116 χ^2/NDF: 40799.4/26

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

\+ sign -54.147+/-0.059 χ^2/NDF: 48177.9/45

All: -53.479+/-0.042 χ^2/NDF: 100388.4/95

\- sign -52.800+/-0.059 χ^2/NDF: 51948.8/49



Right In: 0.412+/-0.005 χ^2/NDF: 2214.0/20

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.435+/-0.005 χ^2/NDF: 3284.2/26

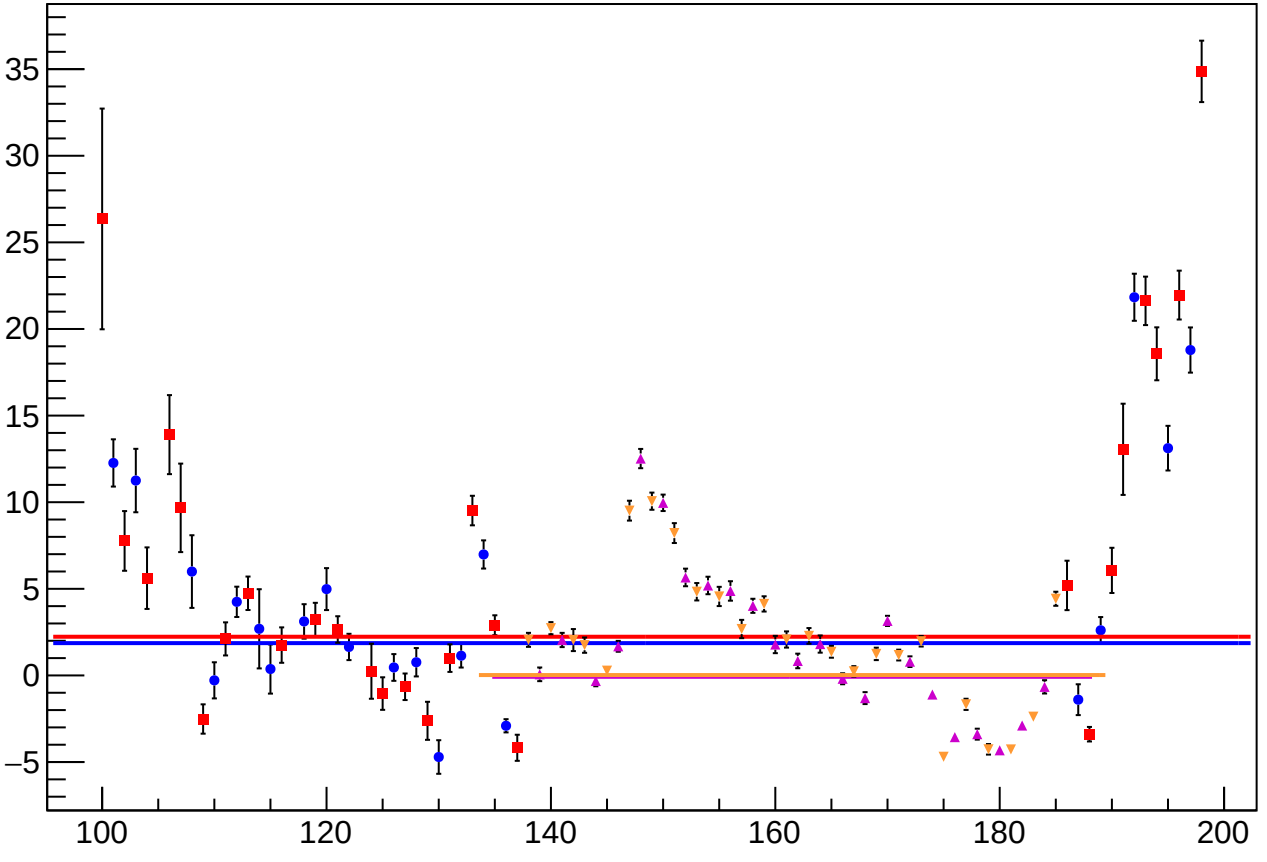
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.312+/-0.003 χ^2/NDF: 5367.3/45

All: 0.312+/-0.002 χ^2/NDF: 13379.7/95

- sign 0.311+/-0.003 χ^2/NDF: 8012.2/49

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.865+/-0.193 χ^2/NDF: 832.3/20

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

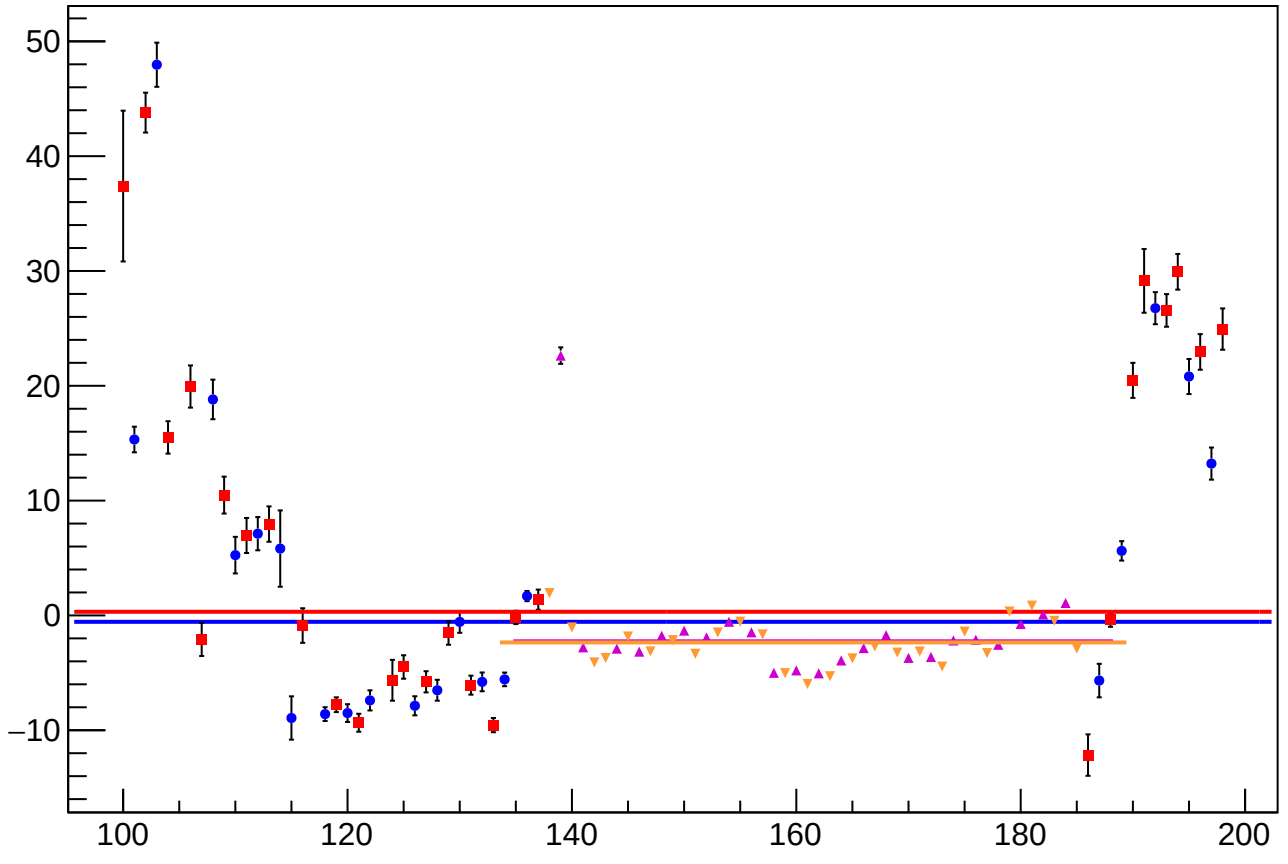
Right Out: 2.234+/-0.186 χ^2/NDF: 1349.7/26

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.229+/-0.065 χ^2/NDF: 3672.7/45

All: 0.220+/-0.046 χ^2/NDF: 7621.8/95

- sign 0.211+/-0.066 χ^2/NDF: 3949.0/49



Right In: -0.557+/-0.200 χ^2/NDF: 2374.6/20

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 0.317+/-0.202 χ^2/NDF: 3116.5/26

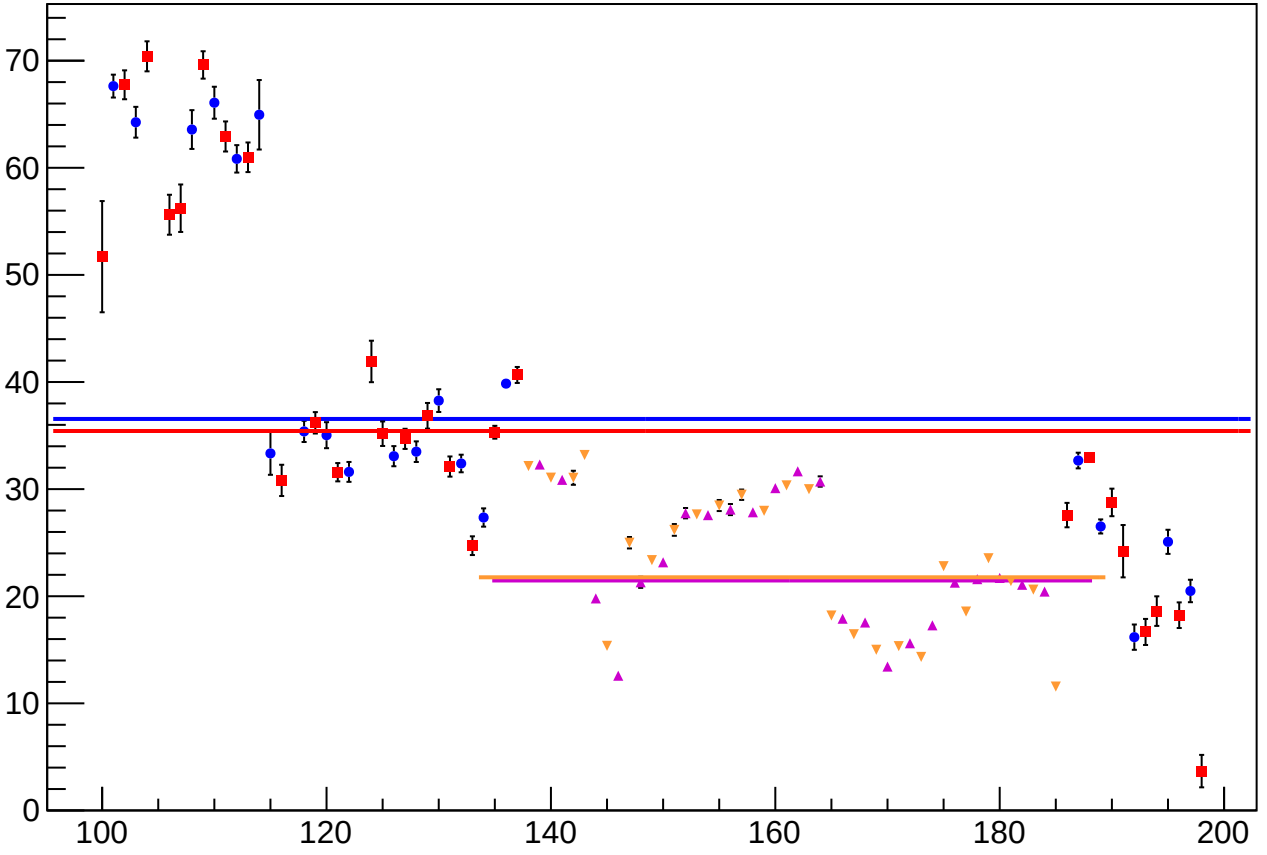
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.226+/-0.053 χ^2/NDF: 3574.9/45

All: -2.150+/-0.038 χ^2/NDF: 8722.7/95

- sign -2.071+/-0.054 χ^2/NDF: 5143.7/49

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 36.552+/-0.199 χ^2/NDF: 3441.0/20

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

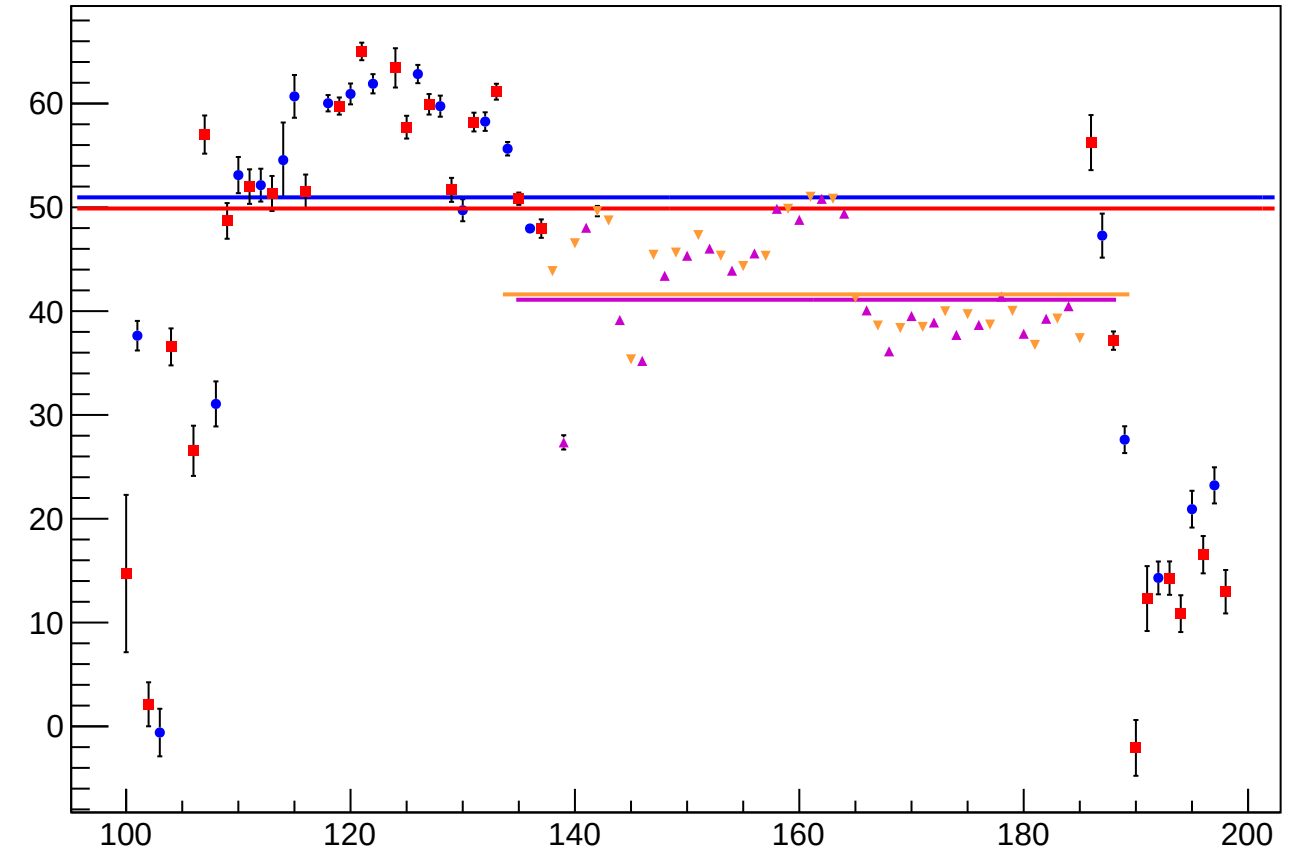
Right Out: 35.427+/-0.187 χ^2/NDF: 4287.0/26

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.350+/-0.065 χ^2/NDF: 15186.0/45

All: 23.281+/-0.046 χ^2/NDF: 30130.0/95

- sign 23.211+/-0.066 χ^2/NDF: 14941.8/49



Right In: 50.960+/-0.227 χ^2/NDF: 2905.1/20

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 49.887+/-0.235 χ^2/NDF: 4036.8/26

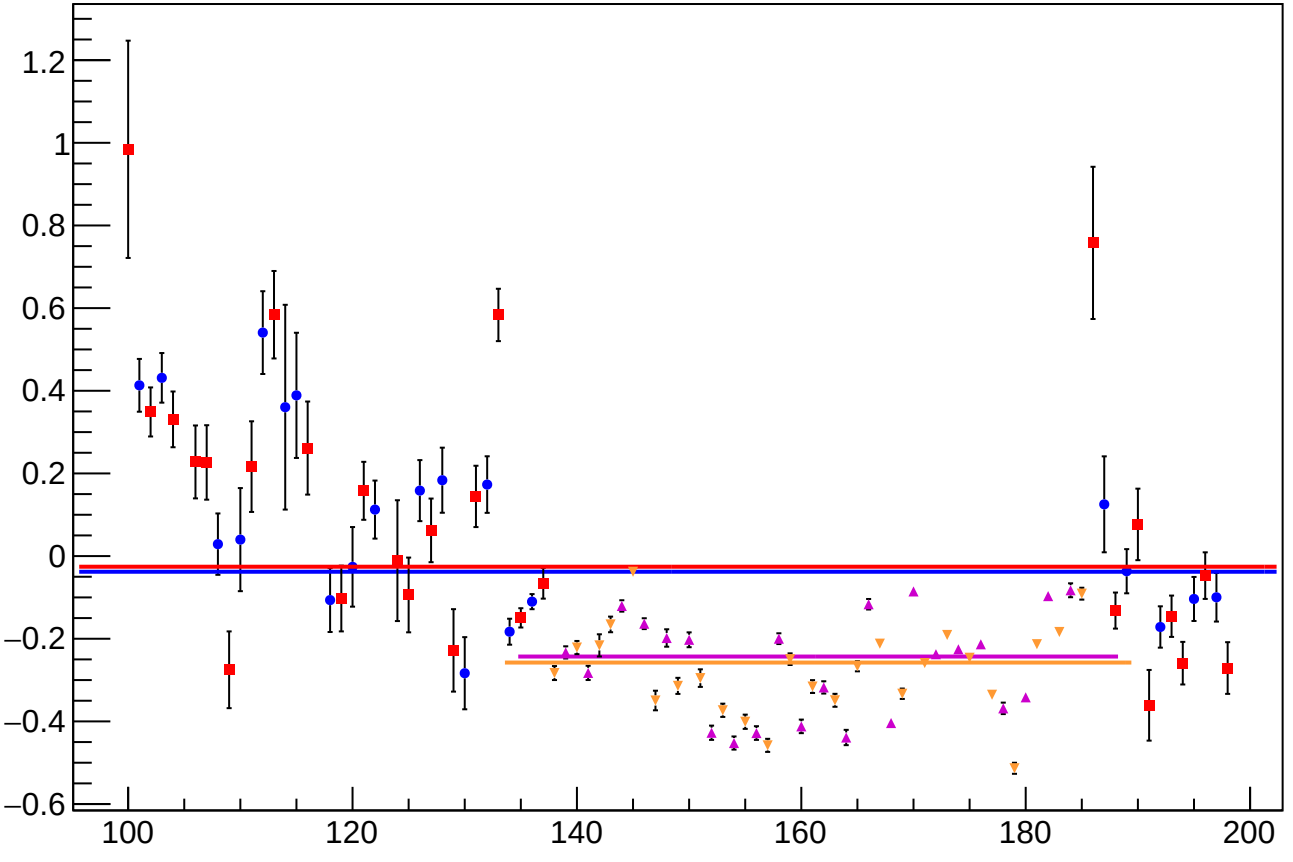
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.246+/-0.059 χ^2/NDF: 10259.2/45

All: 41.971+/-0.042 χ^2/NDF: 21126.9/95

- sign 41.682+/-0.061 χ^2/NDF: 10823.3/49

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.038+/-0.011 χ^2/NDF: 242.5/20

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

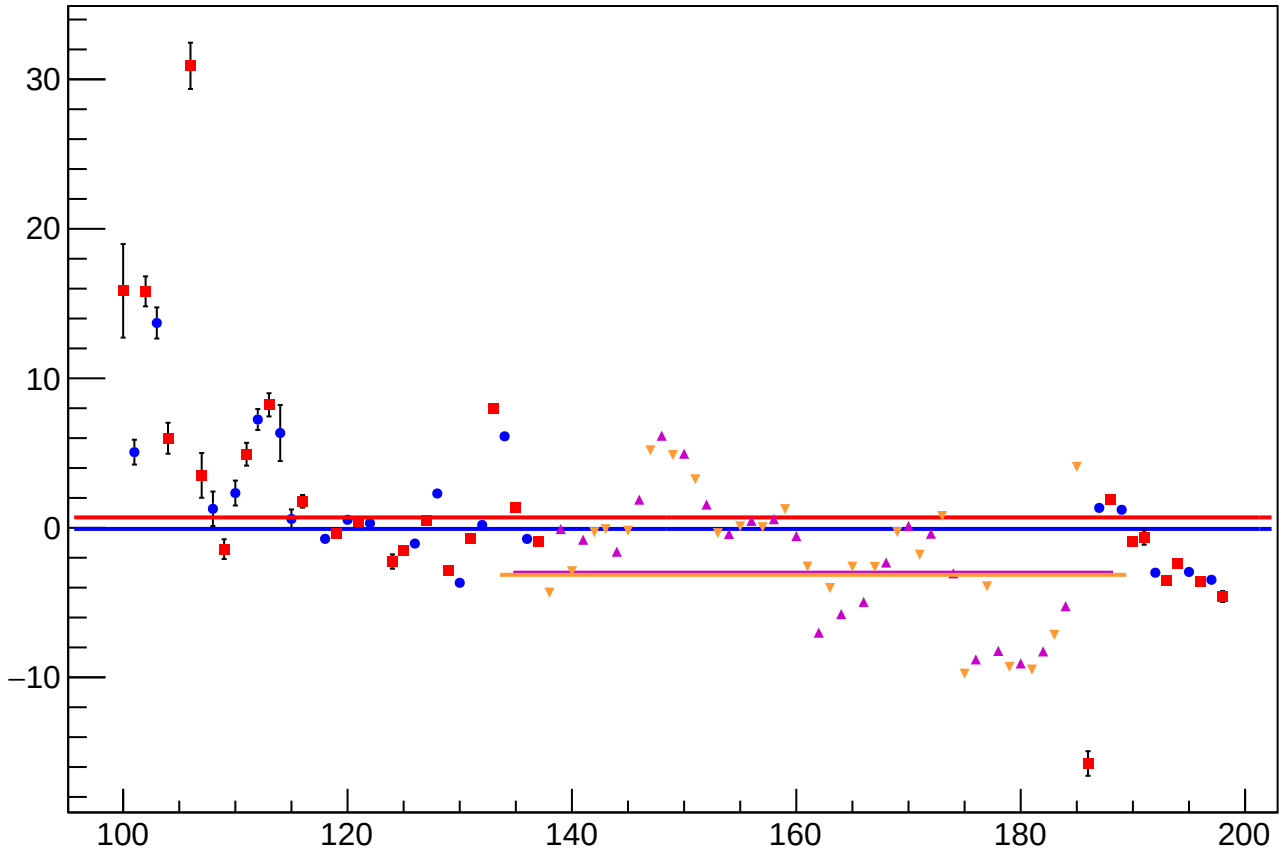
Right Out: -0.026+/-0.012 χ^2/NDF: 373.8/26

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.246+/-0.003 χ^2/NDF: 2103.6/45

All: -0.239+/-0.002 χ^2/NDF: 4621.1/95

- sign -0.232+/-0.003 χ^2/NDF: 2503.4/49



Right In: -0.072+/-0.065 χ^2/NDF: 1536.5/20

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.697+/-0.059 χ^2/NDF: 3795.7/26

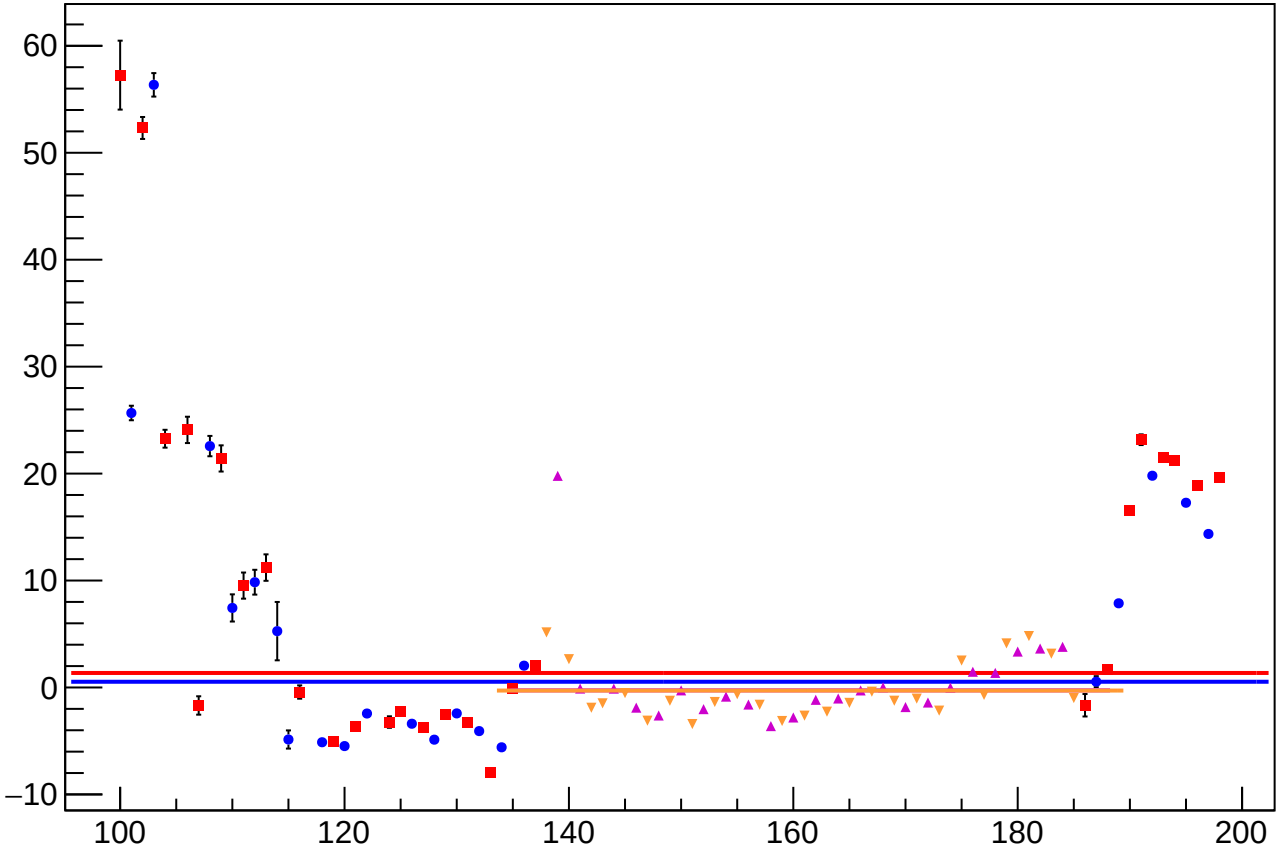
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.677+/-0.026 χ^2/NDF: 28762.2/45

All: -2.487+/-0.018 χ^2/NDF: 58308.4/95

- sign -2.295+/-0.026 χ^2/NDF: 29434.5/49

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.535+/-0.063 χ^2/NDF: 19229.4/20

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 1.357+/-0.059 χ^2/NDF: 29938.8/26

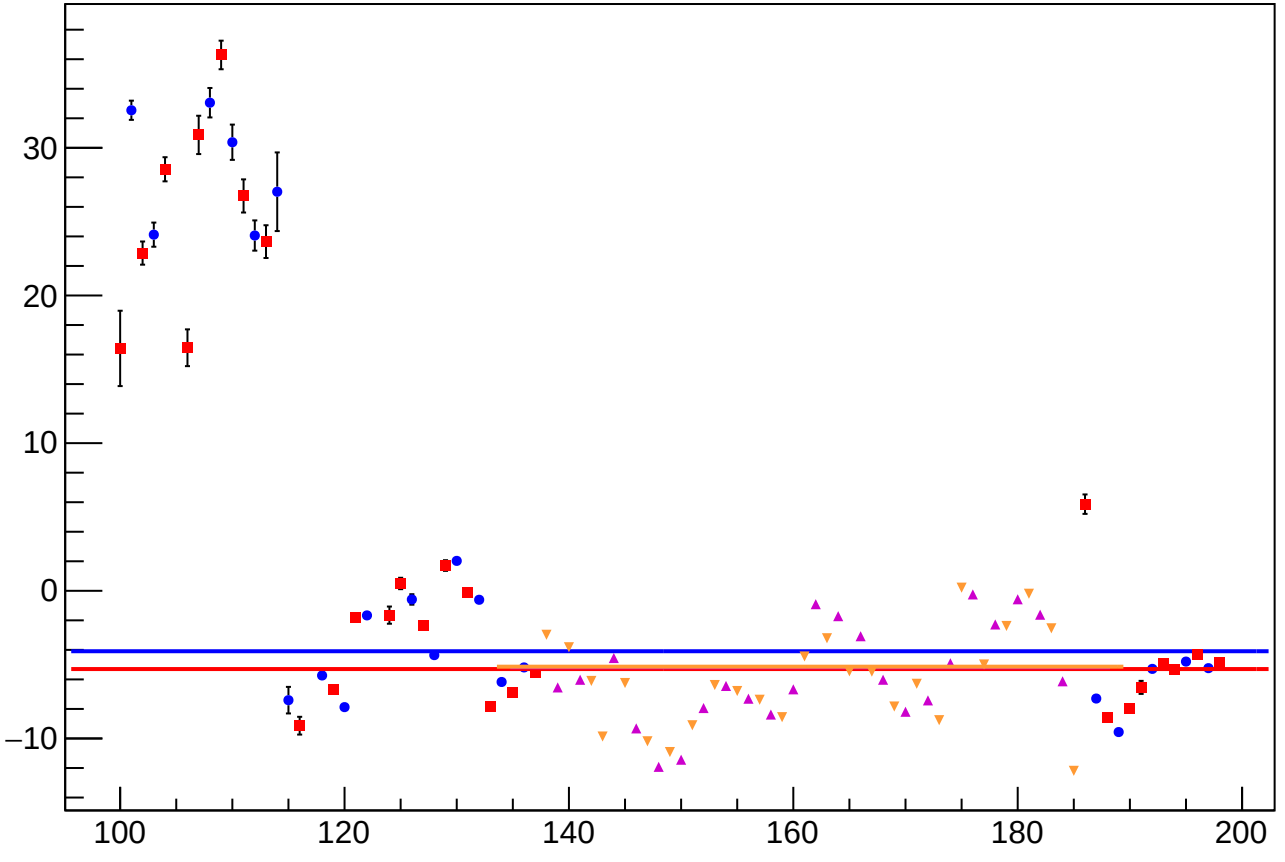
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.200+/-0.021 χ^2/NDF: 31579.1/45

All: -0.136+/-0.015 χ^2/NDF: 75418.4/95

- sign -0.070+/-0.021 χ^2/NDF: 43819.5/49

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.092+/-0.066 χ^2/NDF: 9346.5/20

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.298+/-0.056 χ^2/NDF: 10479.2/26

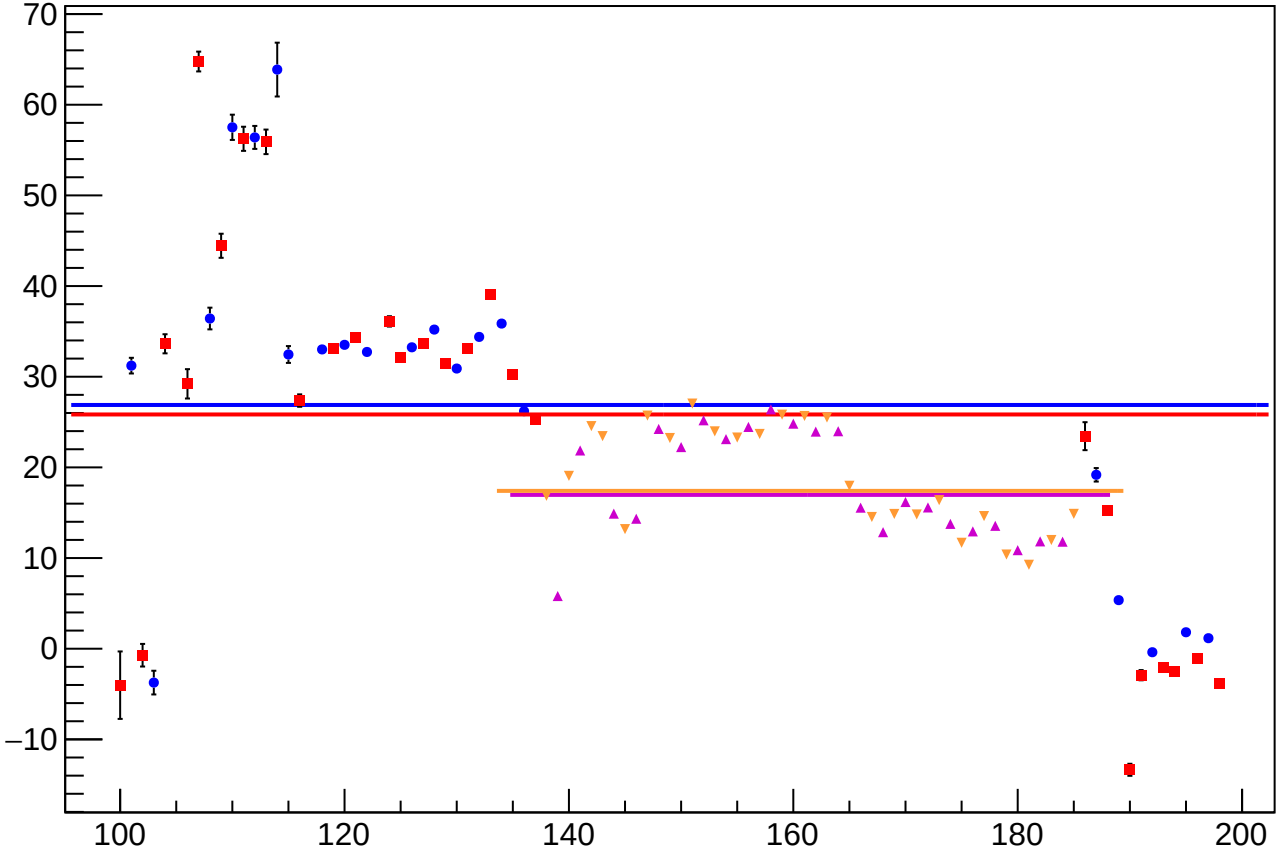
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.978+/-0.026 χ^2/NDF: 24188.6/45

All: -5.091+/-0.018 χ^2/NDF: 48673.8/95

- sign -5.202+/-0.025 χ^2/NDF: 24446.6/49

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 26.884+/-0.074 χ^2/NDF: 26799.4/20

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 25.837+/-0.070 χ^2/NDF: 45757.2/26

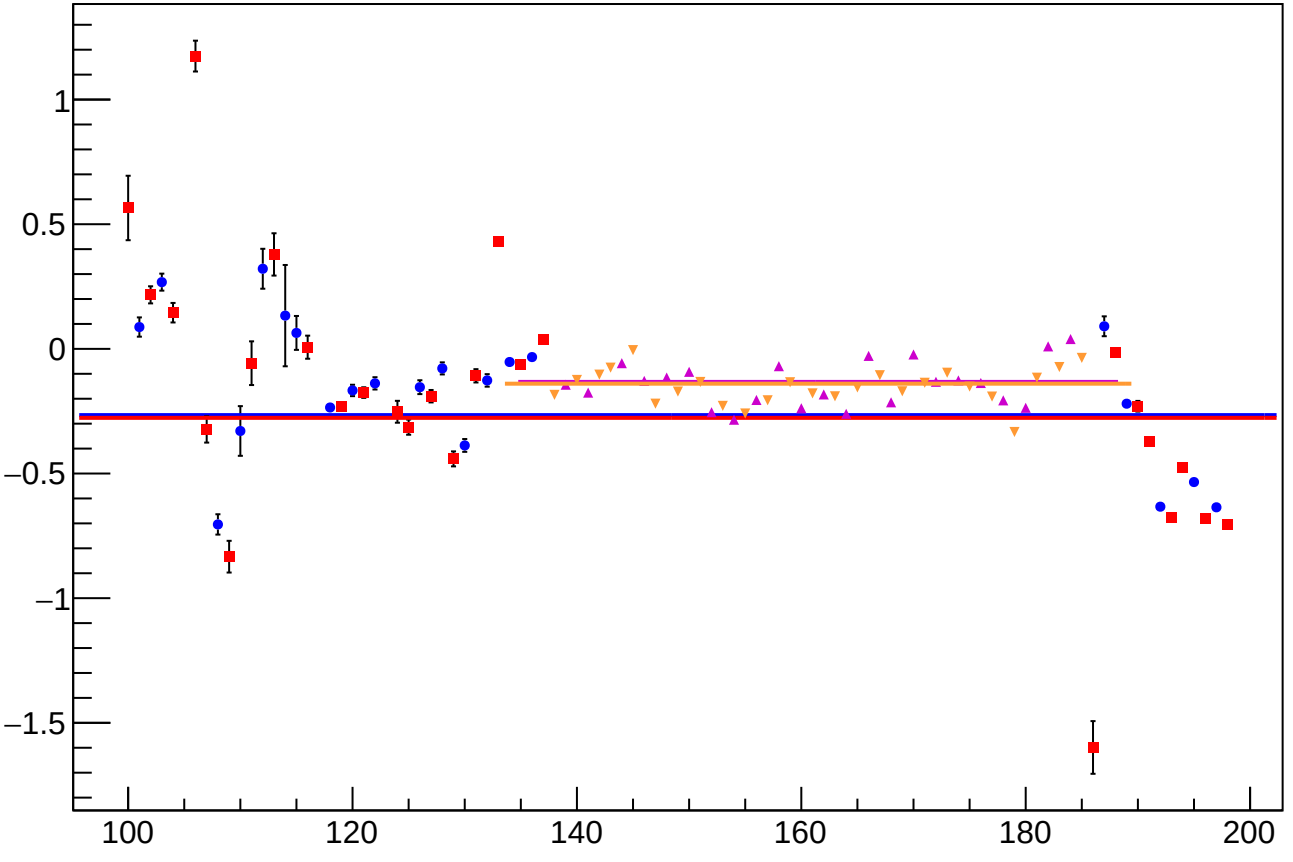
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.346+/-0.023 χ^2/NDF: 92281.9/45

All: 18.157+/-0.017 χ^2/NDF: 192219.7/95

- sign 17.962+/-0.024 χ^2/NDF: 99803.0/49

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.266+/-0.004 χ^2/NDF: 5061.5/20

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.277+/-0.003 χ^2/NDF: 9507.3/26

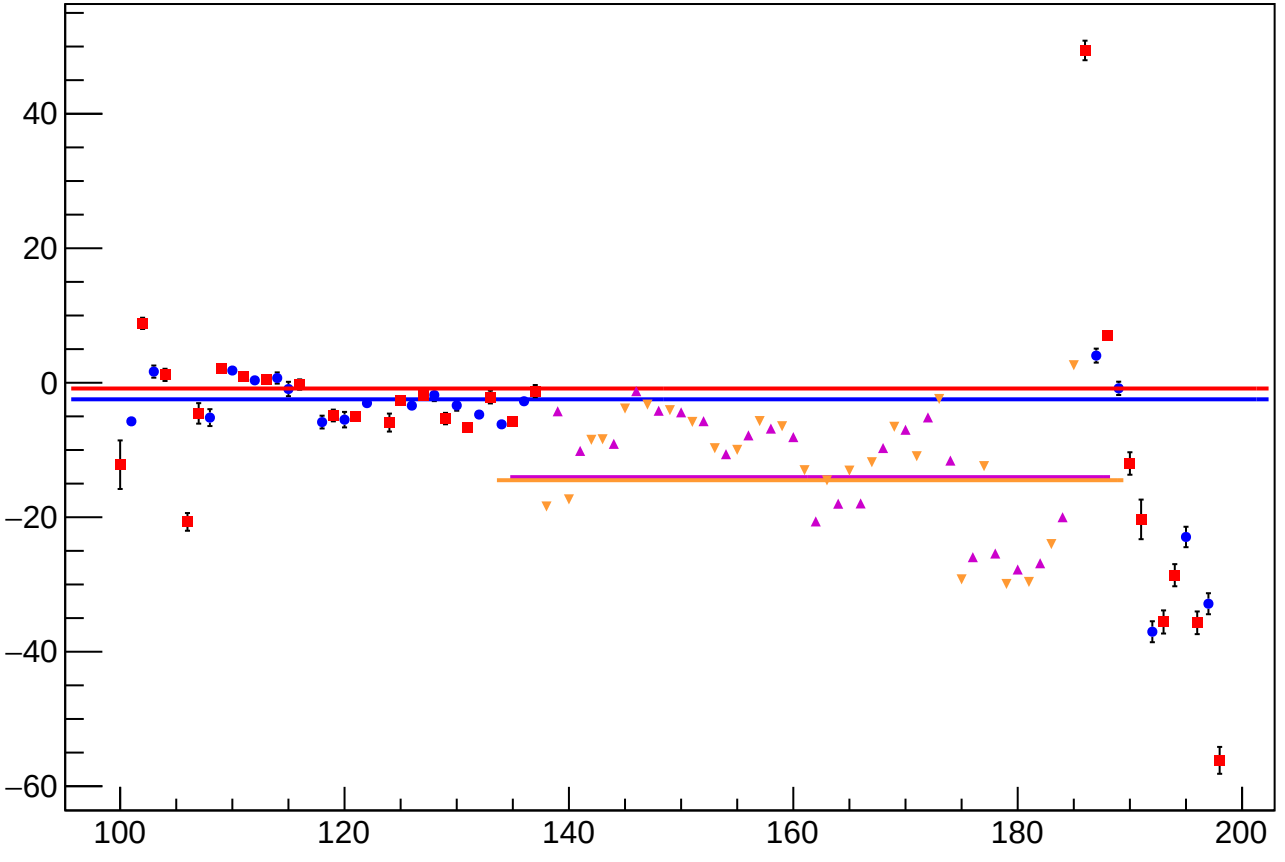
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.150+/-0.001 χ^2/NDF: 10235.1/45

All: -0.148+/-0.001 χ^2/NDF: 26866.5/95

- sign -0.146+/-0.001 χ^2/NDF: 16625.4/49

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -2.463+/-0.151 χ^2/NDF: 1410.0/20

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -0.856+/-0.140 χ^2/NDF: 4124.6/26

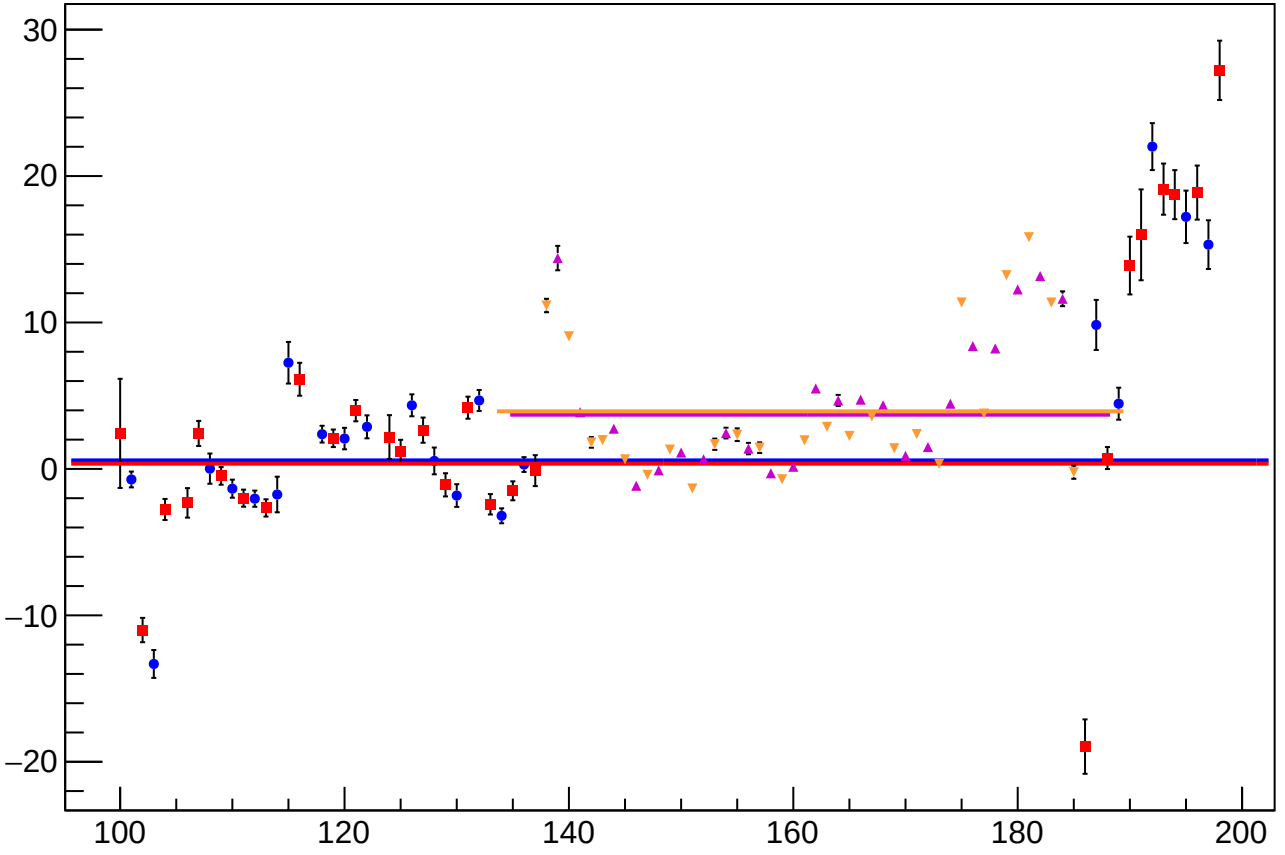
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.132+/-0.067 χ^2/NDF: 23726.2/45

All: -11.557+/-0.047 χ^2/NDF: 48319.7/95

- sign -10.977+/-0.067 χ^2/NDF: 24445.6/49

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.582+/-0.167 χ^2/NDF: 807.3/20

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.359+/-0.168 χ^2/NDF: 1078.4/26

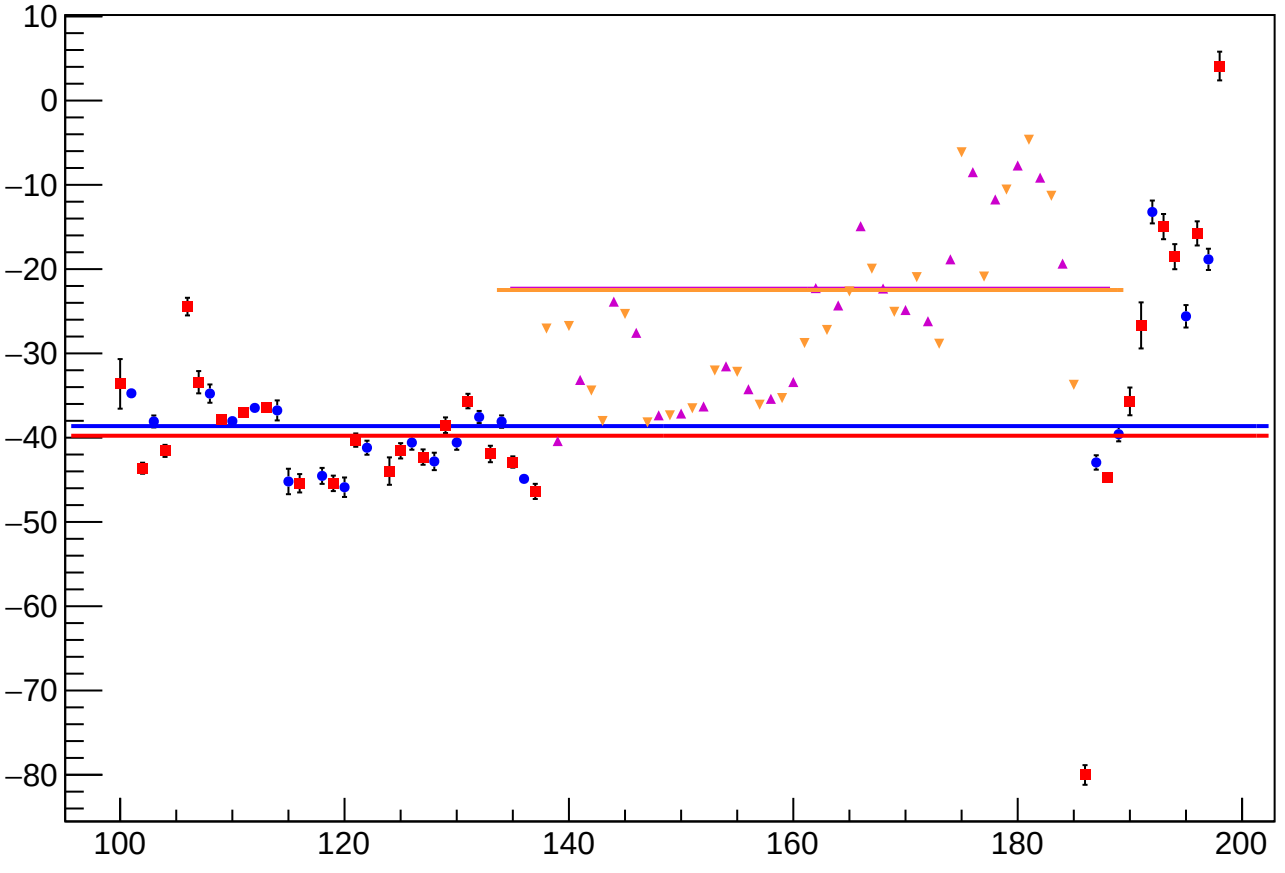
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.574+/-0.055 χ^2/NDF: 8143.9/45

All: 3.456+/-0.039 χ^2/NDF: 14373.1/95

- sign 3.332+/-0.056 χ^2/NDF: 6219.6/49

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -38.626+/-0.168 χ^2/NDF: 1152.0/20

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.770+/-0.160 χ^2/NDF: 3334.3/26

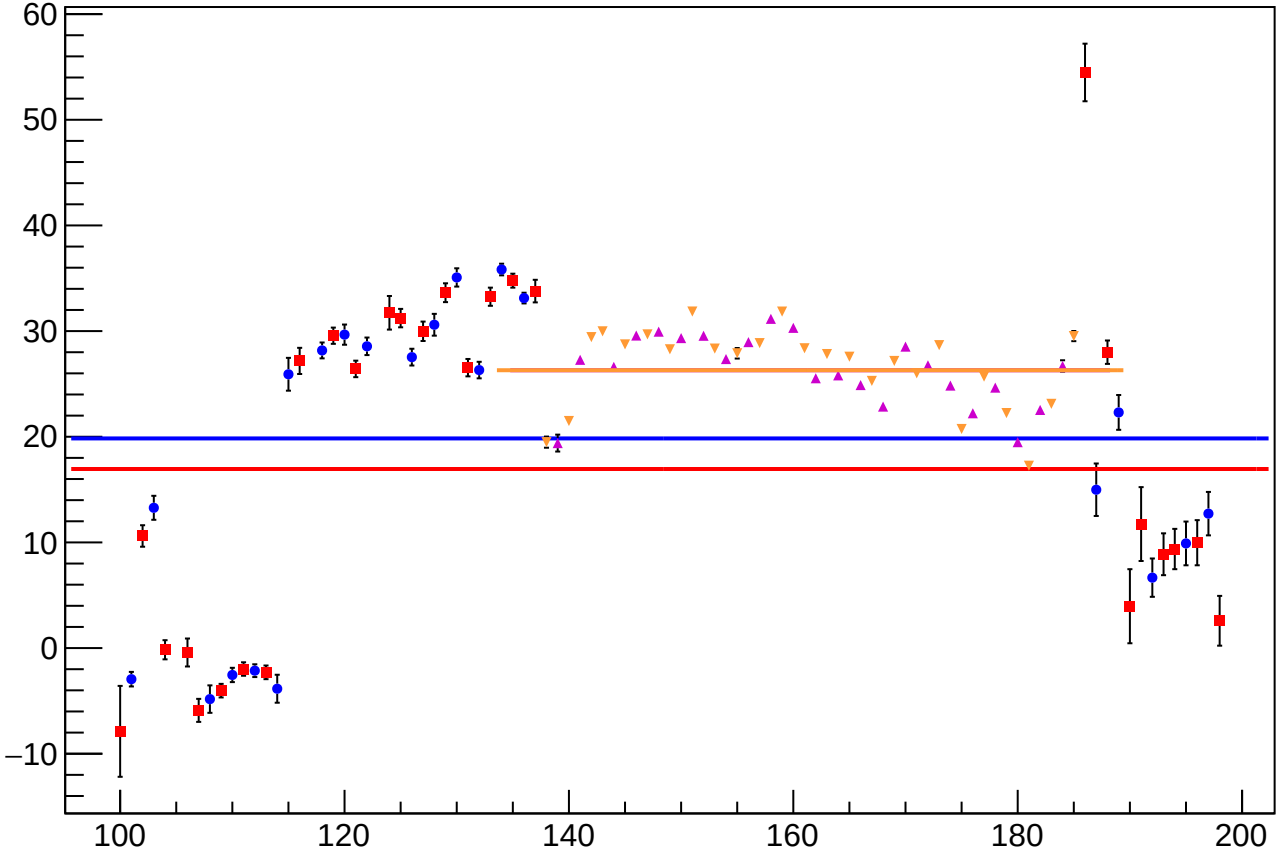
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.138+/-0.068 χ^2/NDF: 29251.6/45

All: -25.350+/-0.049 χ^2/NDF: 59389.2/95

- sign -25.565+/-0.069 χ^2/NDF: 30118.4/49

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.841+/-0.190 χ^2/NDF: 6780.8/20

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.948+/-0.192 χ^2/NDF: 7125.3/26

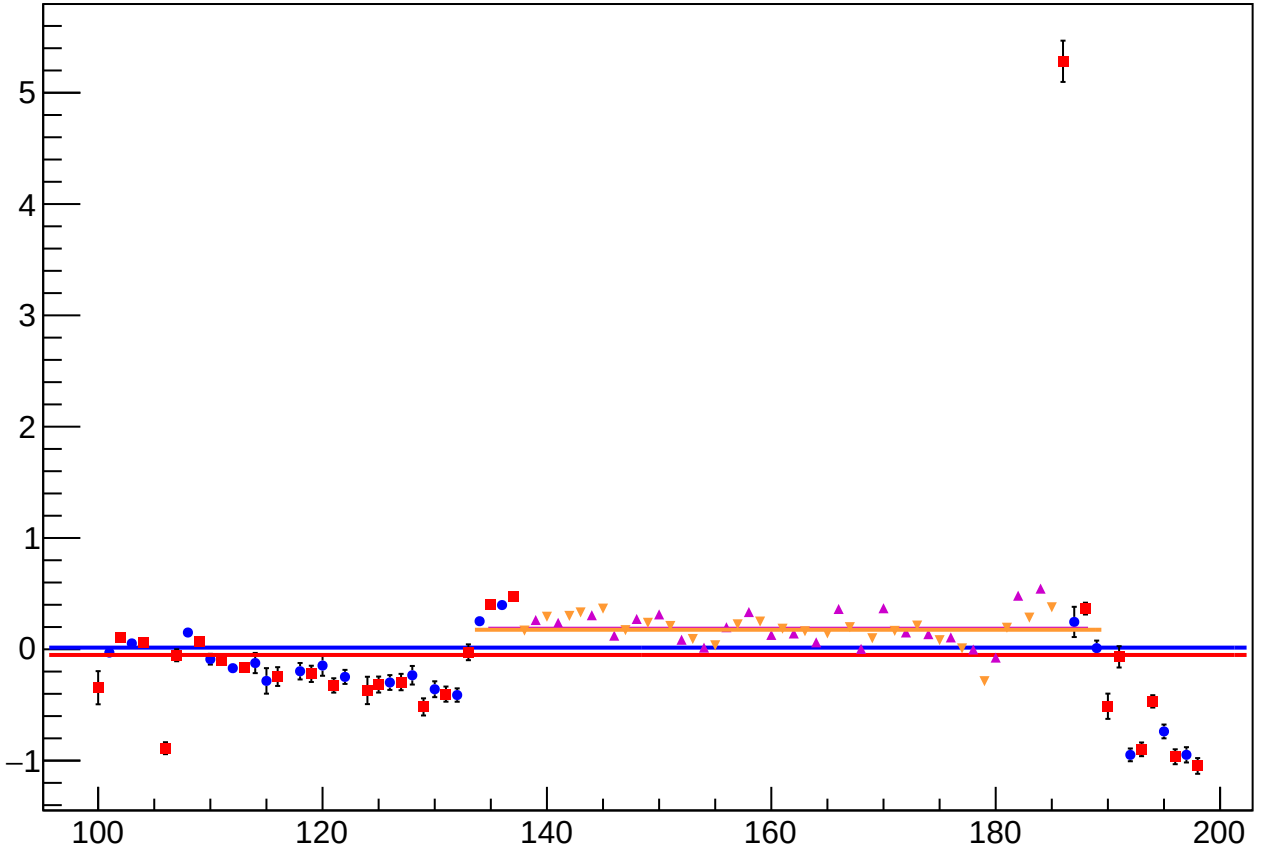
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.618+/-0.062 χ^2/NDF: 11120.9/45

All: 25.457+/-0.044 χ^2/NDF: 22559.3/95

- sign 25.288+/-0.063 χ^2/NDF: 11424.3/49

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.015+/-0.010 χ^2/NDF: 1242.9/20

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.051+/-0.010 χ^2/NDF: 2403.3/26

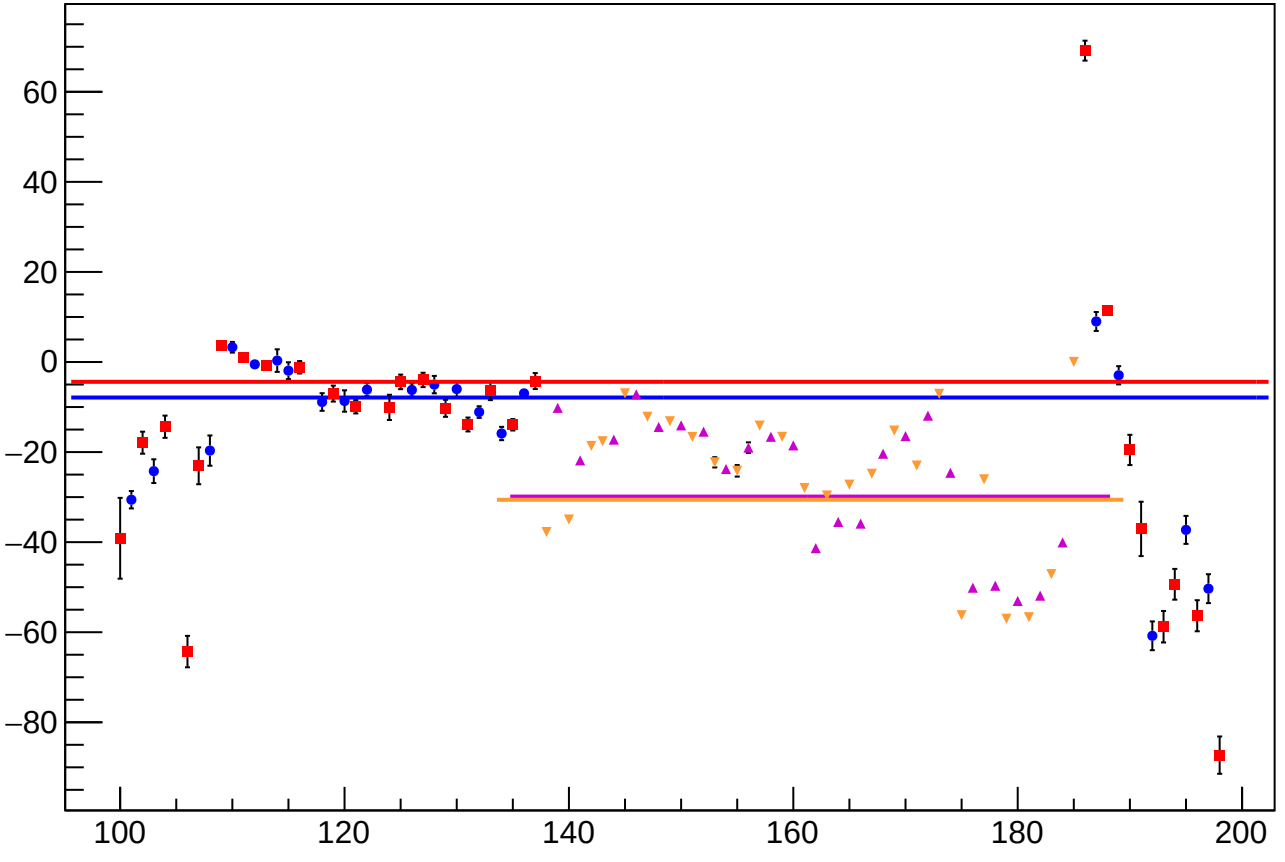
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.163+/-0.003 χ^2/NDF: 3421.9/45

All: 0.164+/-0.002 χ^2/NDF: 8867.1/95

- sign 0.166+/-0.003 χ^2/NDF: 5444.5/49

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -7.885+/-0.357 χ^2/NDF: 1006.1/20

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -4.399+/-0.337 χ^2/NDF: 3010.5/26

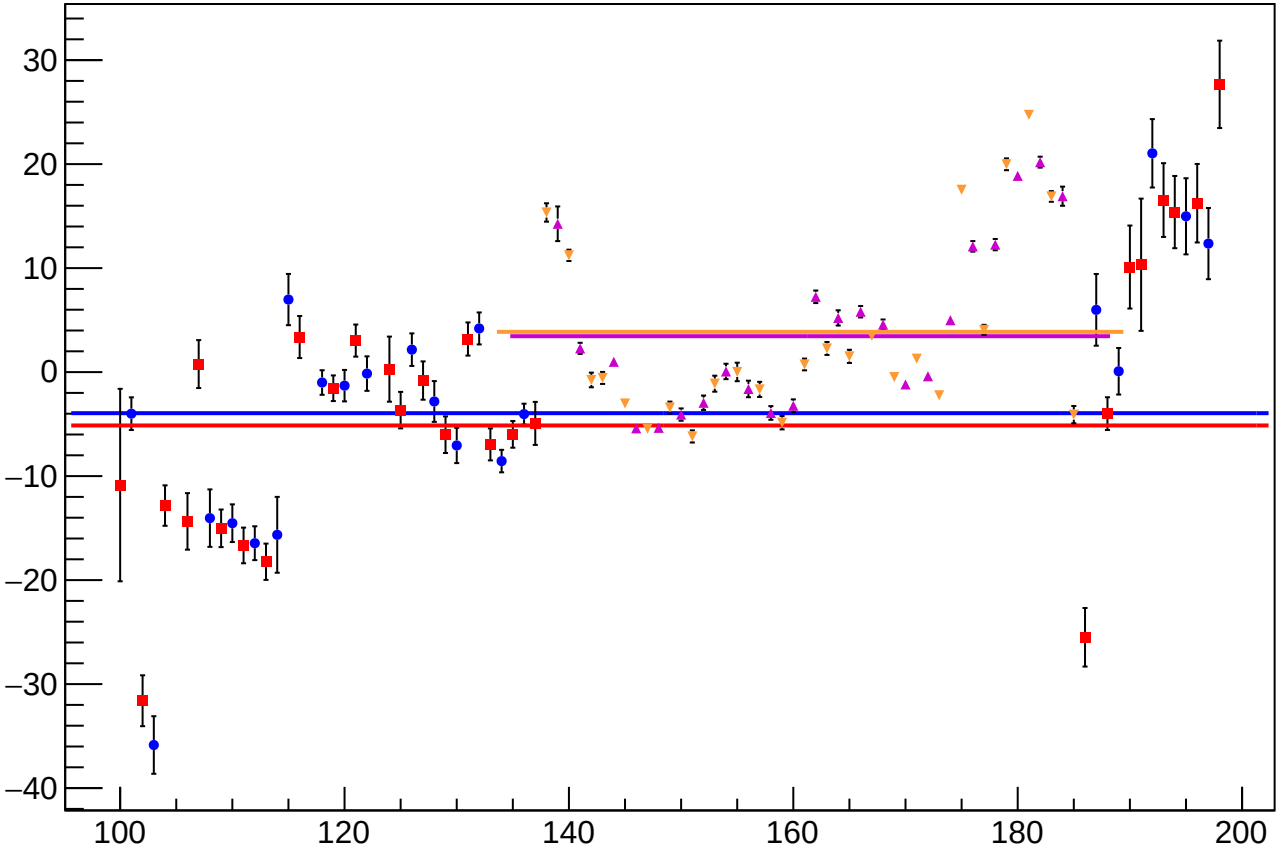
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.478+/-0.132 χ^2/NDF: 20546.4/45

All: -26.677+/-0.094 χ^2/NDF: 40466.5/95

- sign -25.850+/-0.134 χ^2/NDF: 19845.4/49

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.949+/-0.380 χ^2/NDF: 467.6/20

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -5.130+/-0.387 χ^2/NDF: 613.9/26

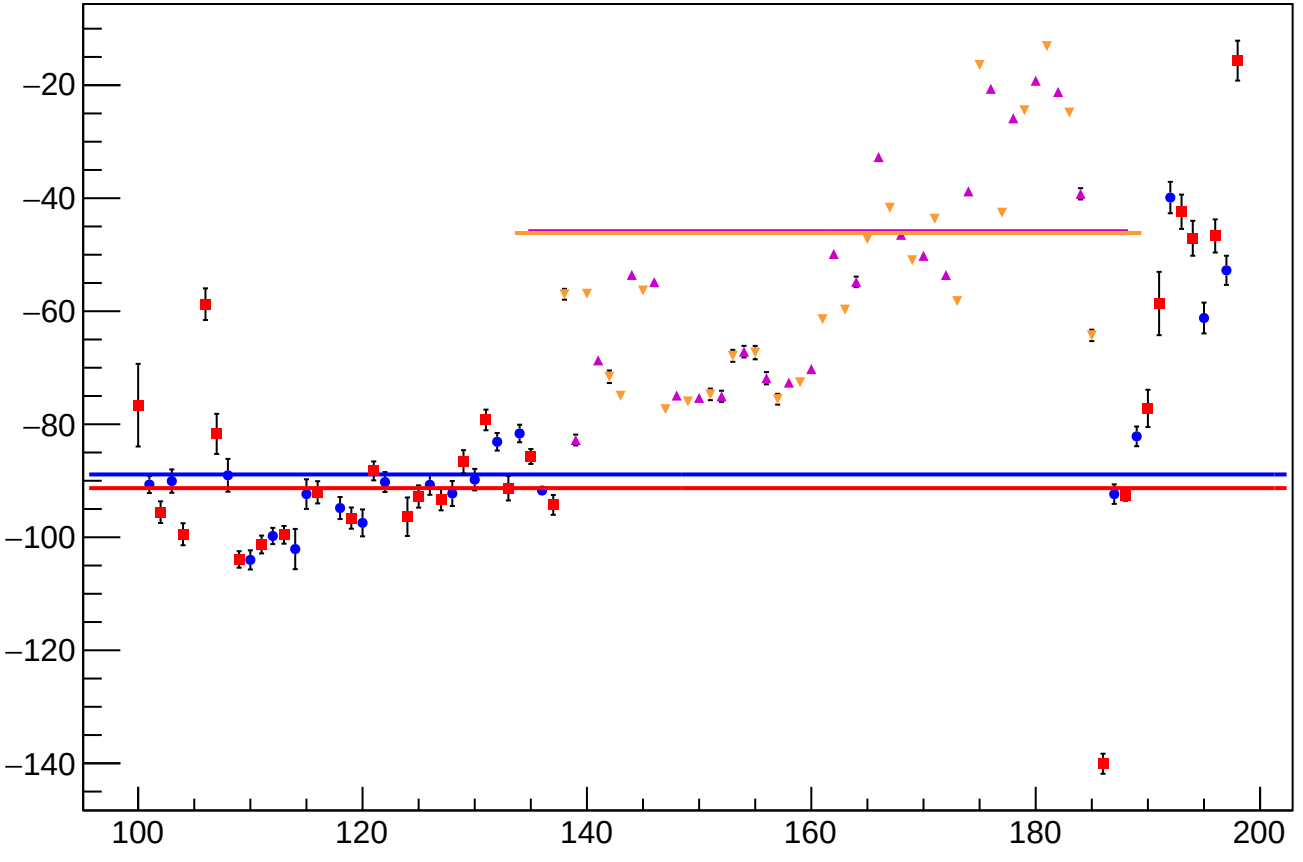
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.255+/-0.107 χ^2/NDF: 7400.4/45

All: 3.019+/-0.076 χ^2/NDF: 13170.5/95

- sign 2.772+/-0.109 χ^2/NDF: 5760.0/49

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -88.885+/-0.388 χ^2/NDF: 854.3/20

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -91.302+/-0.371 χ^2/NDF: 2358.2/26

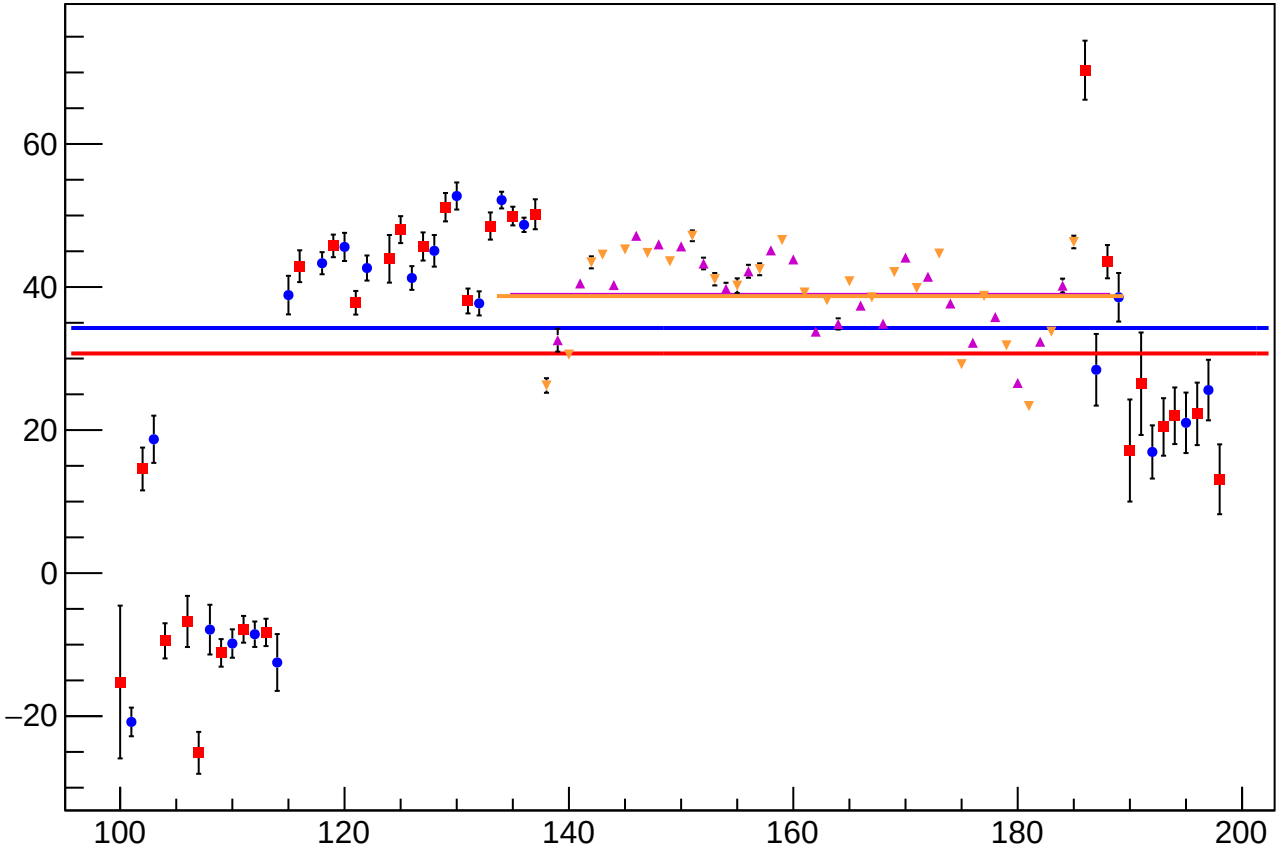
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

\+ sign -51.224+/-0.134 χ^2/NDF: 32993.9/45

All: -51.575+/-0.095 χ^2/NDF: 66308.5/95

\- sign -51.937+/-0.136 χ^2/NDF: 33300.6/49

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.273+/-0.429 χ^2/NDF: 2848.9/20

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.710+/-0.443 χ^2/NDF: 3066.6/26

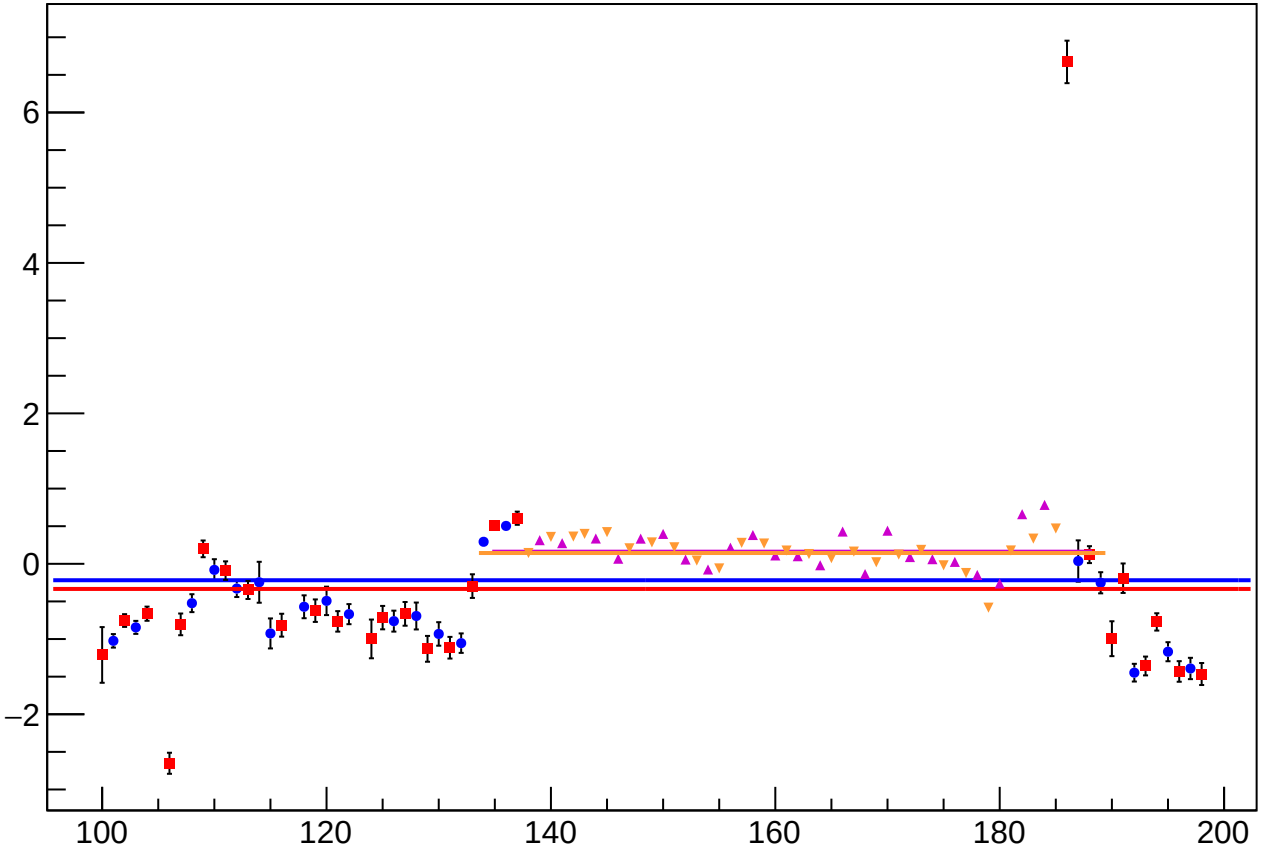
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.384+/-0.120 χ^2/NDF: 5730.1/45

All: 38.333+/-0.086 χ^2/NDF: 11084.2/95

- sign 38.280+/-0.123 χ^2/NDF: 5353.7/49

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.218+/-0.022 χ^2/NDF: 890.3/20

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.334+/-0.023 χ^2/NDF: 1674.5/26

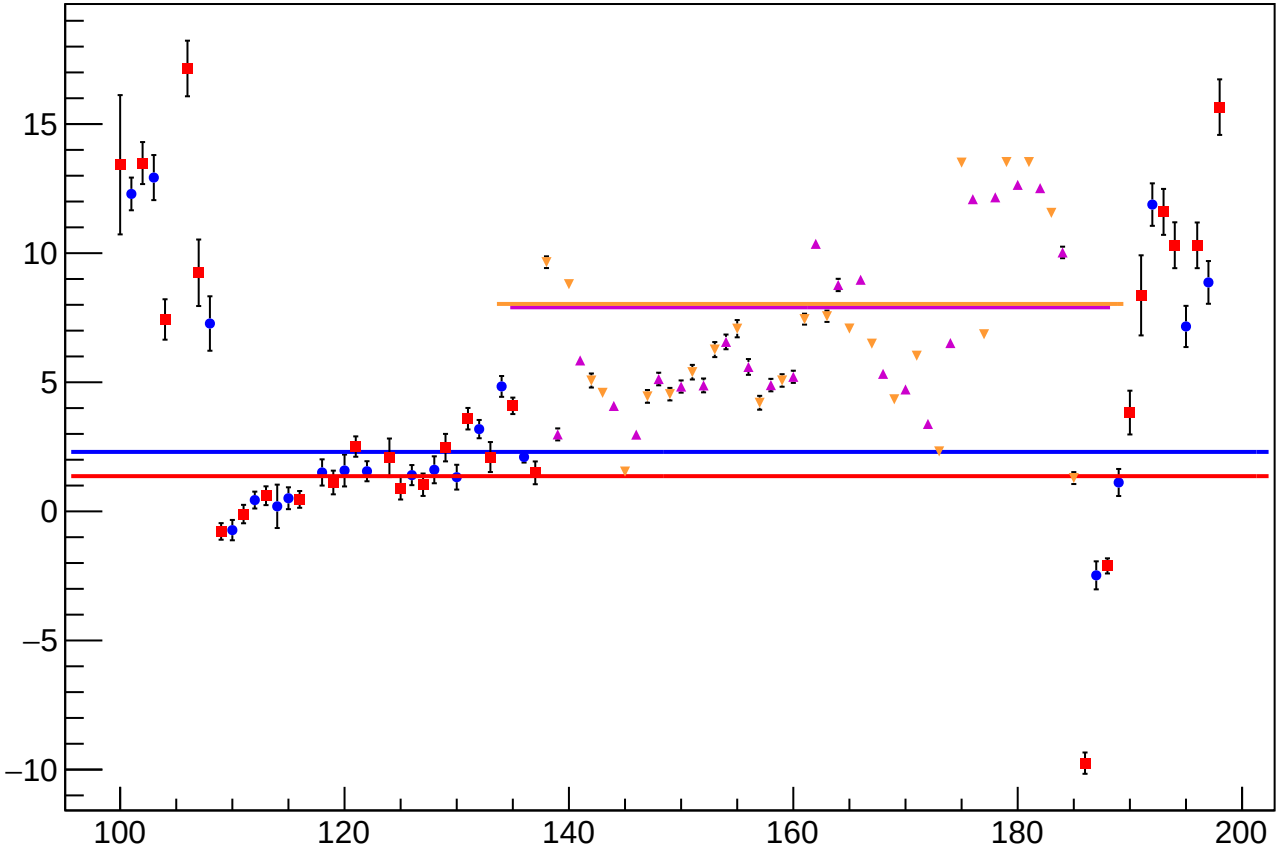
Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.123+/-0.005 χ^2/NDF: 2577.5/45

All: 0.128+/-0.004 χ^2/NDF: 6593.9/95

- sign 0.134+/-0.006 χ^2/NDF: 4014.4/49

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.303+/-0.099 χ^2/NDF: 918.7/20

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.364+/-0.094 χ^2/NDF: 2153.7/26

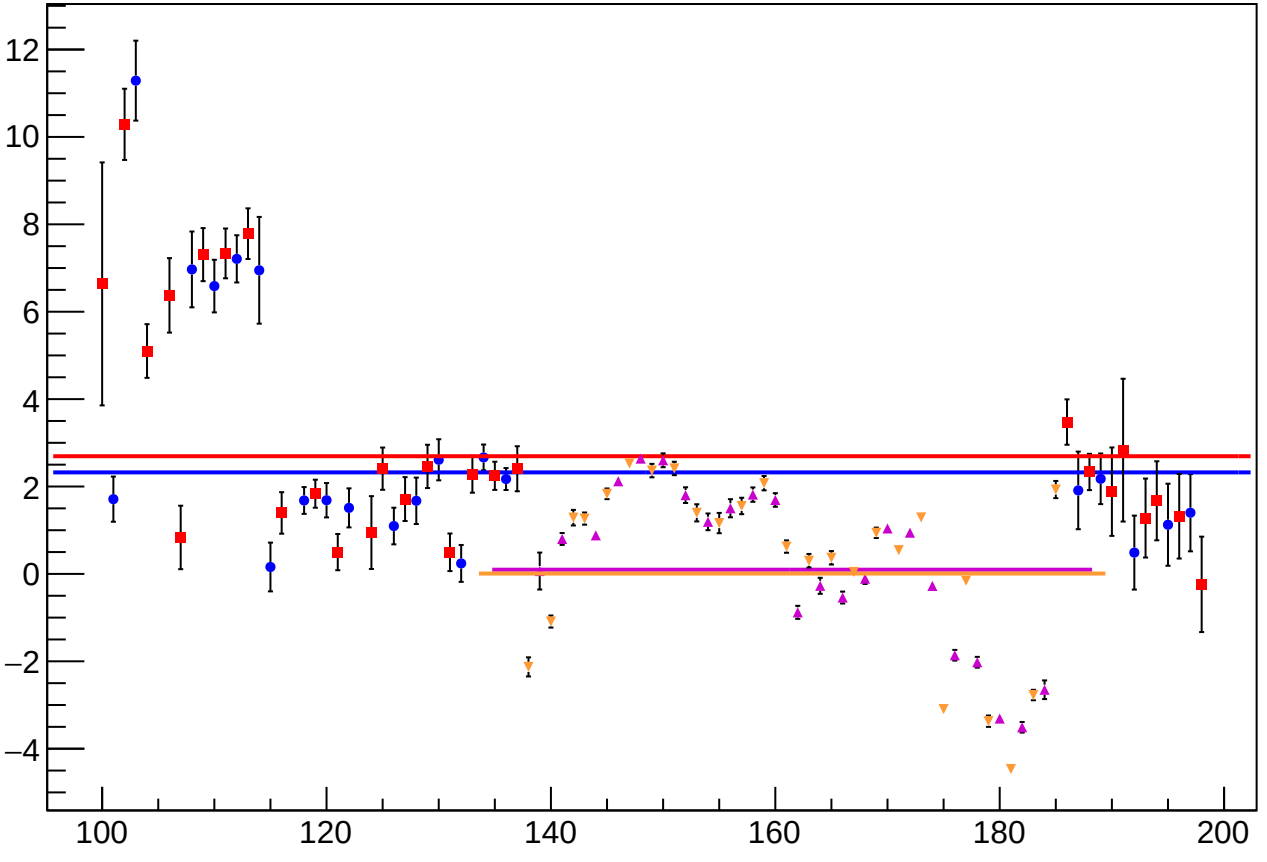
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.405+/-0.033 χ^2/NDF: 17832.9/45

All: 7.241+/-0.023 χ^2/NDF: 34303.8/95

- sign 7.070+/-0.033 χ^2/NDF: 16419.8/49

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.323+/-0.104 χ^2/NDF: 342.0/20

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.693+/-0.106 χ^2/NDF: 428.2/26

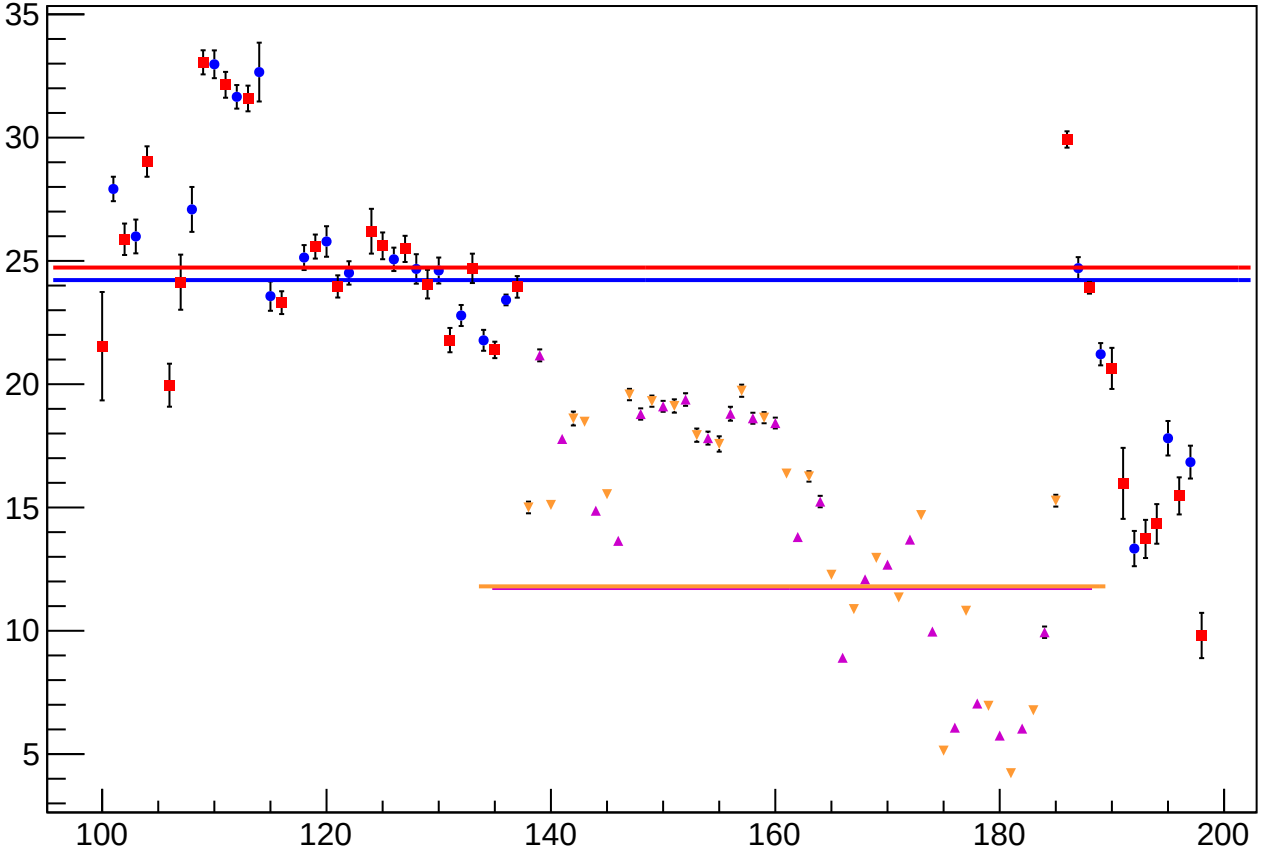
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.161+/-0.027 χ^2/NDF: 6570.0/45

All: 0.213+/-0.019 χ^2/NDF: 12004.1/95

- sign 0.268+/-0.027 χ^2/NDF: 5426.1/49

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 24.222+/-0.106 χ^2/NDF: 1162.0/20

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 24.731+/-0.100 χ^2/NDF: 2014.9/26

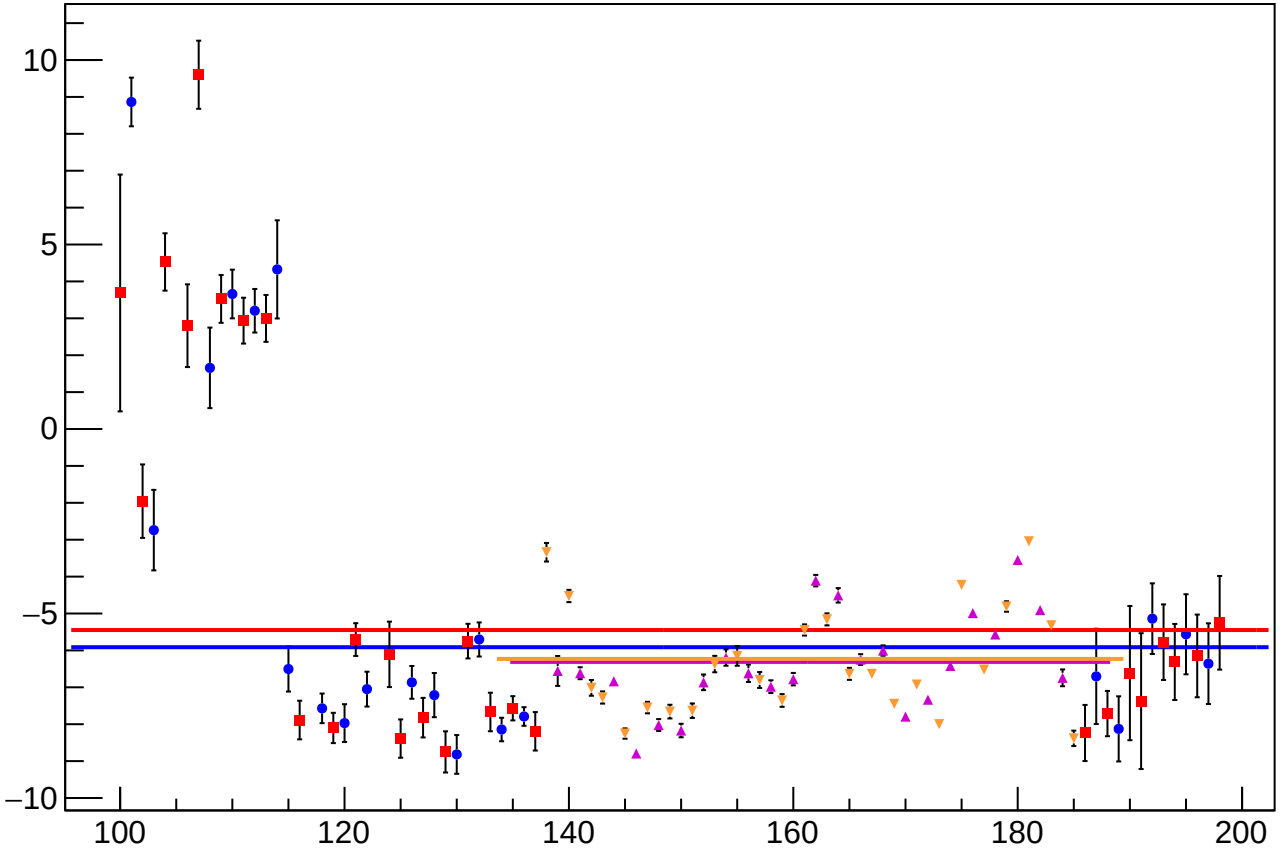
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.008+/-0.033 χ^2/NDF: 34976.5/45

All: 13.109+/-0.024 χ^2/NDF: 69991.2/95

- sign 13.213+/-0.034 χ^2/NDF: 34995.8/49

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.913+/-0.117 χ^2/NDF: 1259.1/20

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.448+/-0.121 χ^2/NDF: 1324.7/26

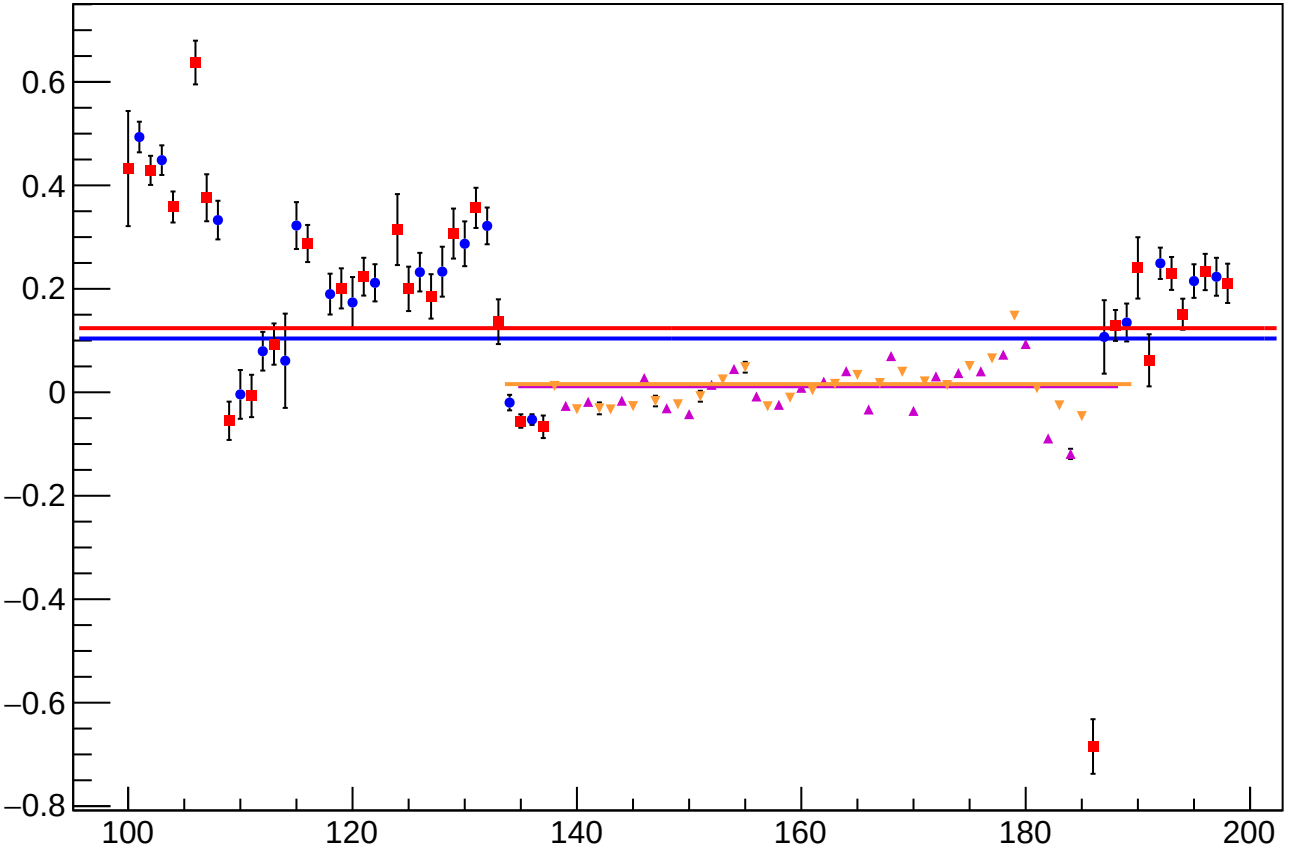
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.210+/-0.030 χ^2/NDF: 3716.1/45

All: -6.233+/-0.021 χ^2/NDF: 7119.6/95

- sign -6.257+/-0.030 χ^2/NDF: 3402.4/49

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.104+/-0.006 χ^2/NDF: 820.2/20

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

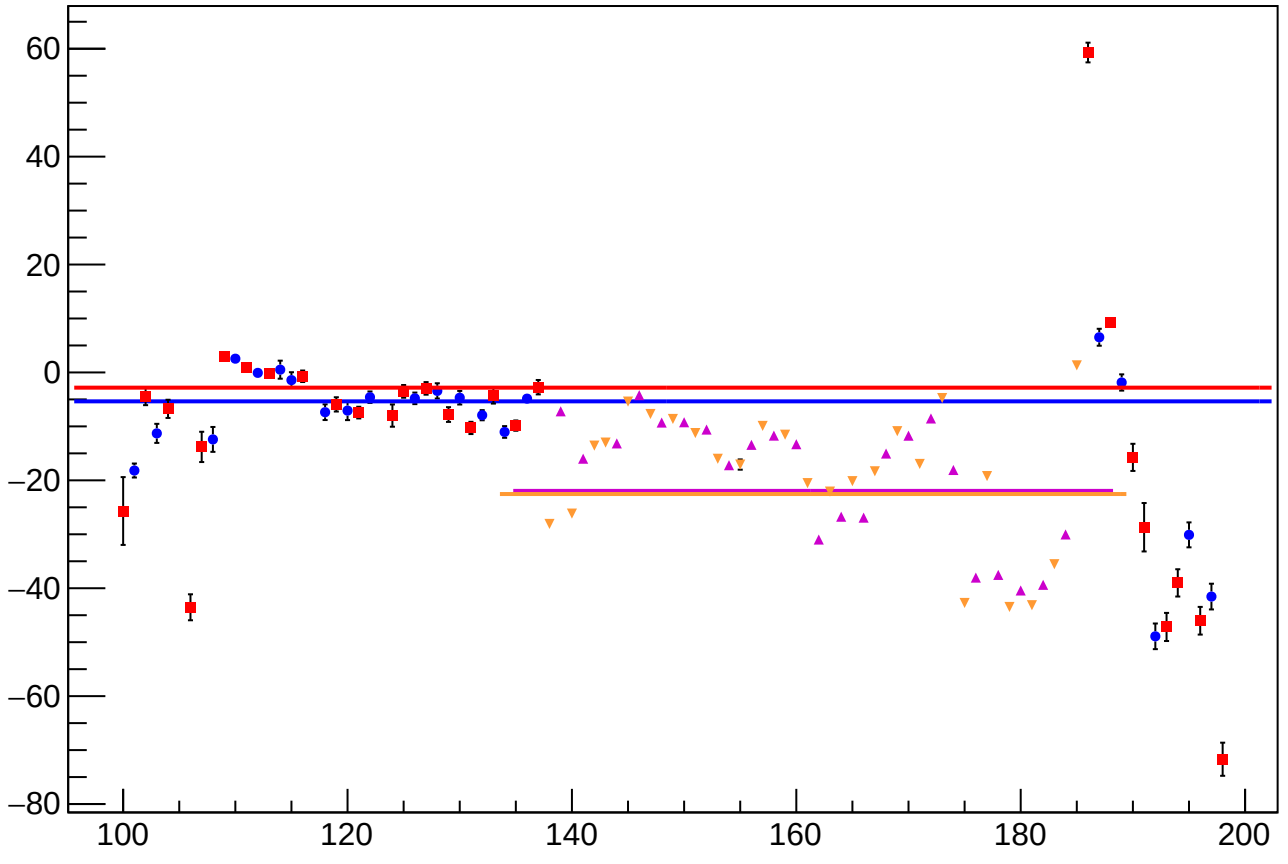
Right Out: 0.124+/-0.006 χ^2/NDF: 1029.2/26

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.020+/-0.001 χ^2/NDF: 1951.4/45

All: 0.018+/-0.001 χ^2/NDF: 4574.0/95

- sign 0.017+/-0.001 χ^2/NDF: 2619.8/49



Right In: -5.359+/-0.256 χ^2/NDF: 1086.0/20

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -2.821+/-0.241 χ^2/NDF: 3299.8/26

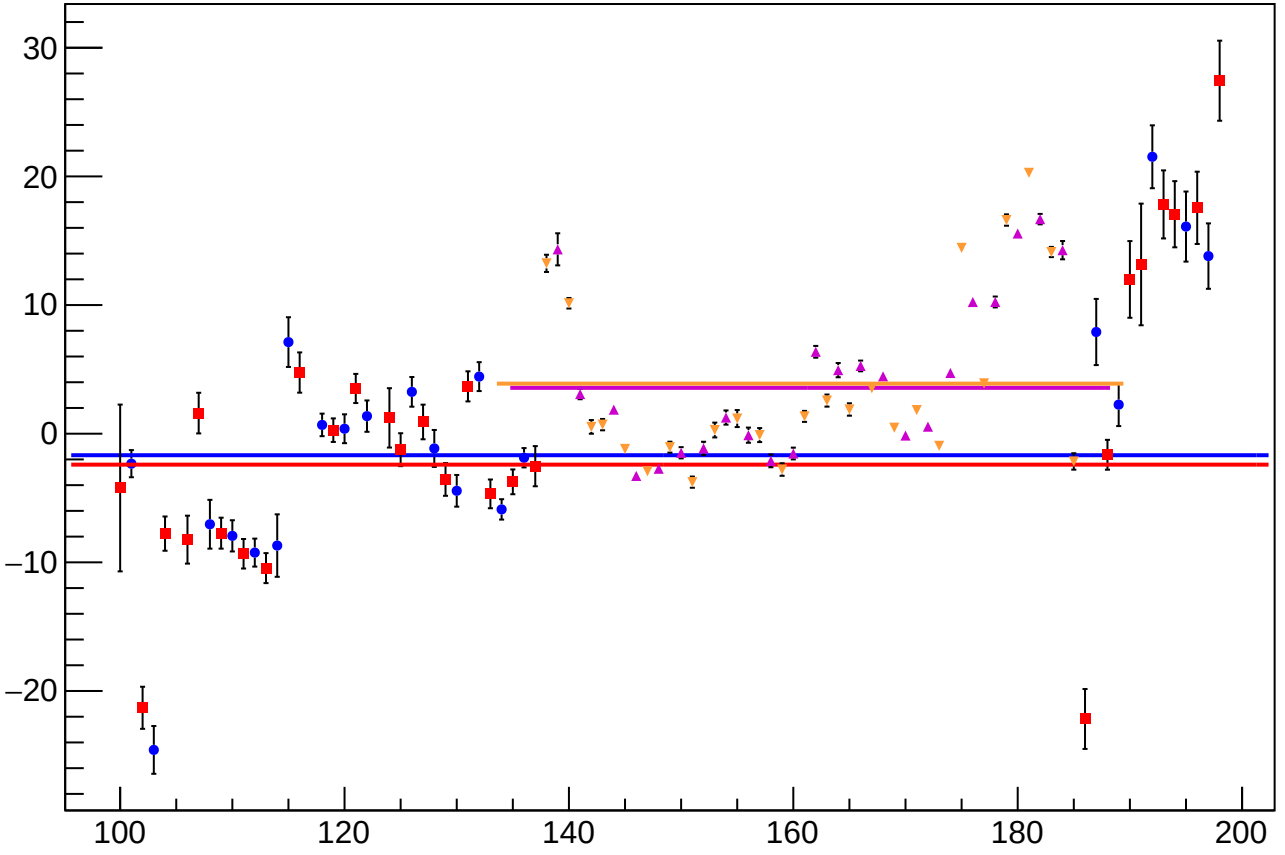
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.937+/-0.100 χ^2/NDF: 21449.7/45

All: -19.275+/-0.071 χ^2/NDF: 42631.6/95

- sign -18.594+/-0.101 χ^2/NDF: 21092.2/49

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.673+/-0.275 χ^2/NDF: 551.9/20

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

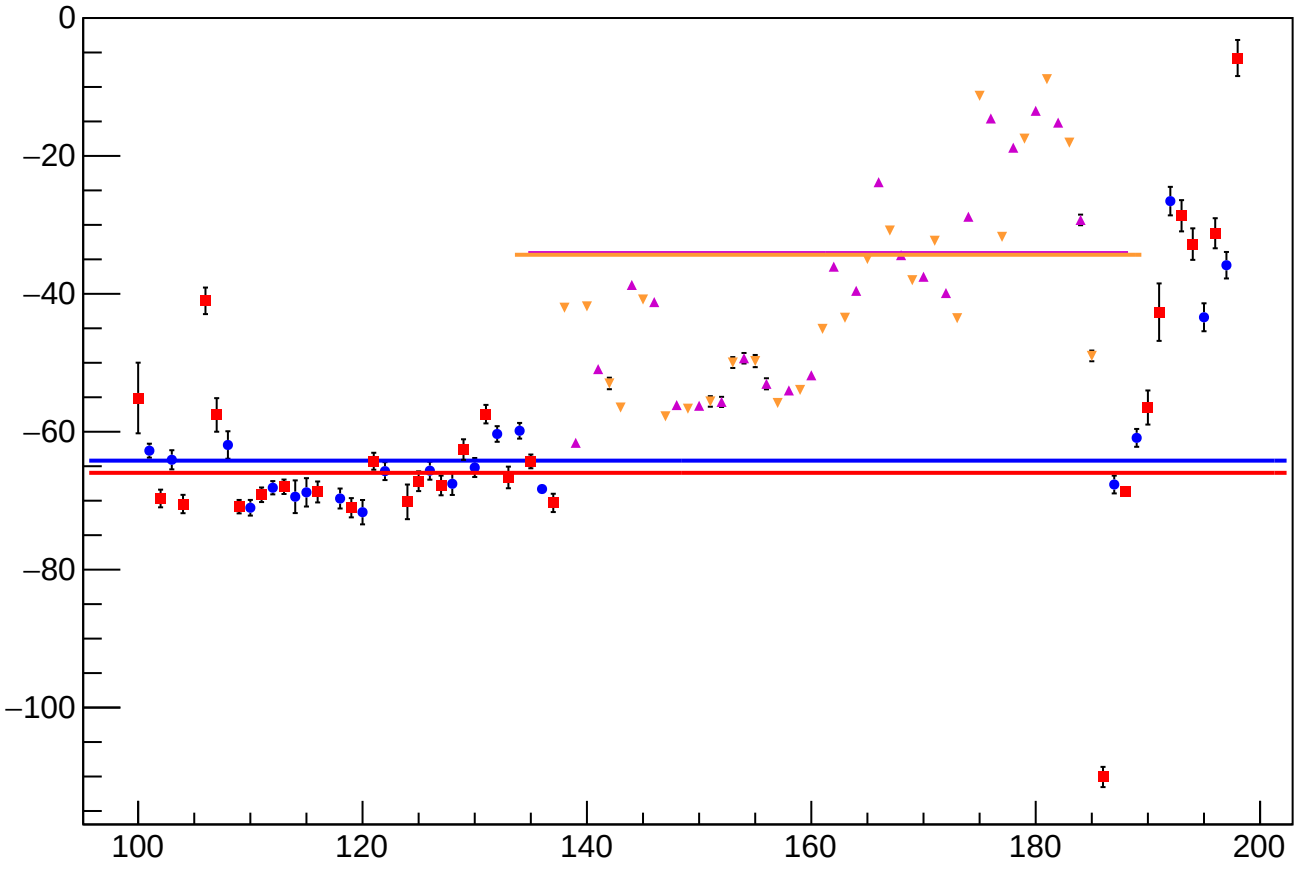
Right Out: -2.406+/-0.279 χ^2/NDF: 734.7/26

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.414+/-0.081 χ^2/NDF: 7650.1/45

All: 3.234+/-0.058 χ^2/NDF: 13551.5/95

- sign 3.047+/-0.082 χ^2/NDF: 5891.2/49



Right In: -64.191+/-0.280 χ^2/NDF: 839.7/20

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -65.960+/-0.268 χ^2/NDF: 2556.8/26

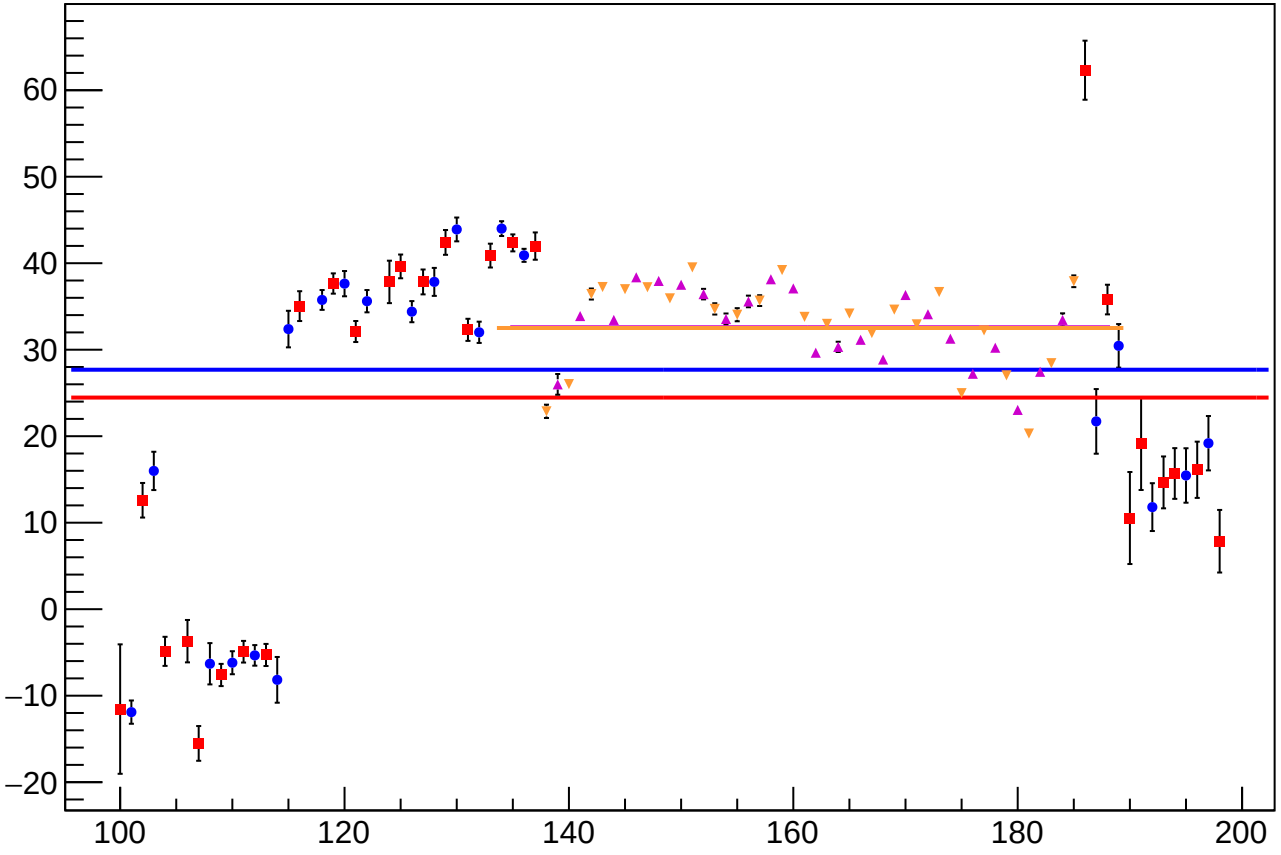
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.215+/-0.101 χ^2/NDF: 31924.6/45

All: -38.484+/-0.072 χ^2/NDF: 64311.7/95

- sign -38.761+/-0.102 χ^2/NDF: 32372.6/49

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.686+/-0.311 χ^2/NDF: 3788.6/20

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.466+/-0.320 χ^2/NDF: 4064.0/26

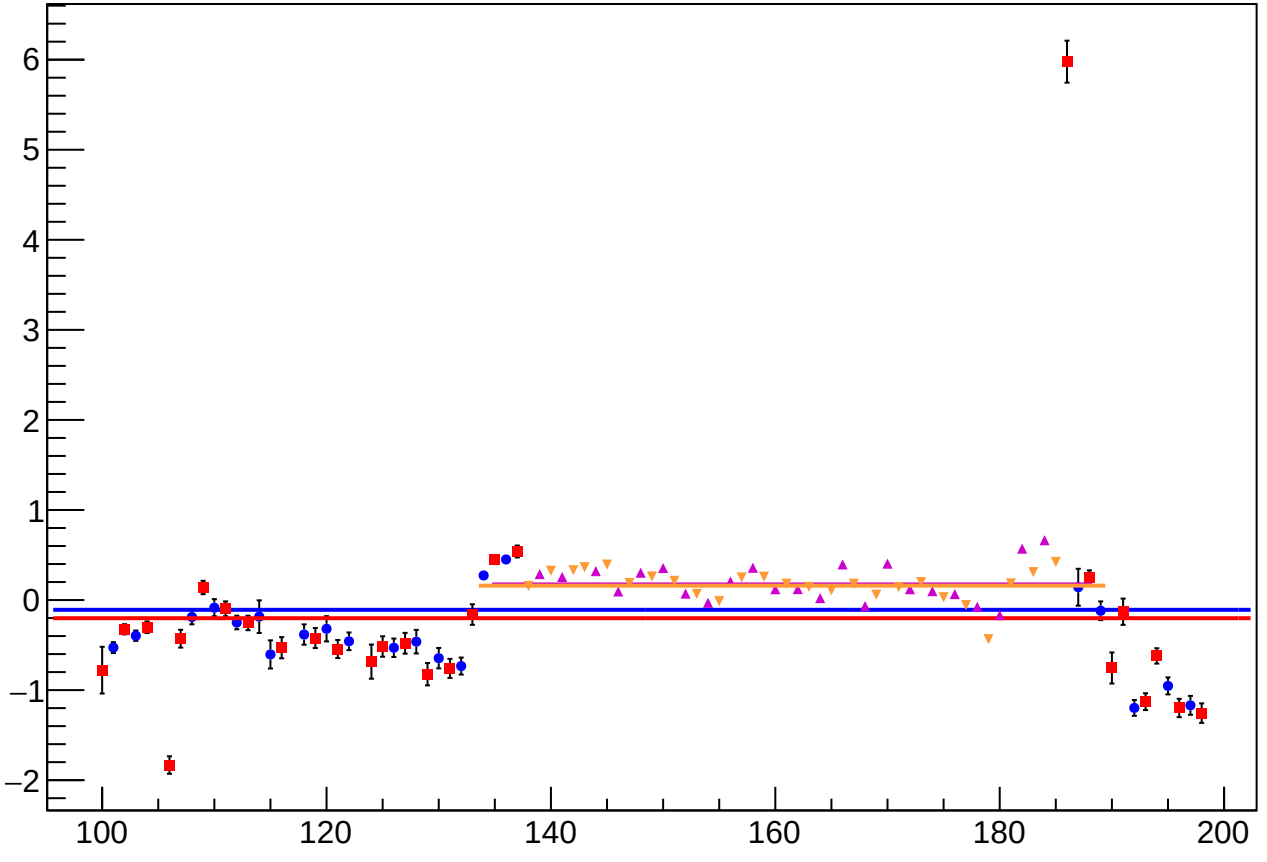
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.103+/-0.090 χ^2/NDF: 6946.8/45

All: 32.012+/-0.065 χ^2/NDF: 13618.0/95

- sign 31.916+/-0.093 χ^2/NDF: 6669.1/49

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.108+/-0.016 χ^2/NDF: 958.1/20

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.202+/-0.017 χ^2/NDF: 1887.4/26

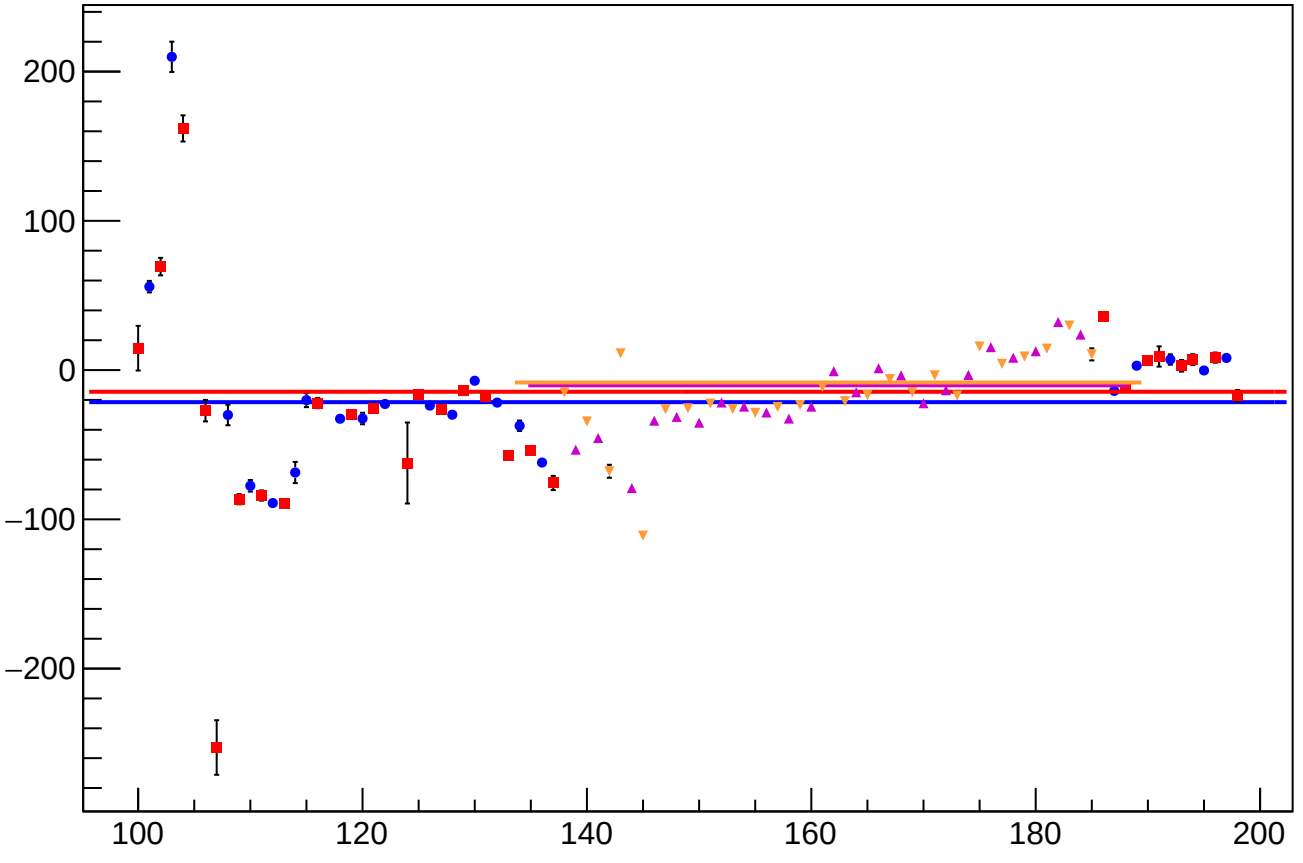
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.143+/-0.004 χ^2/NDF: 2825.6/45

All: 0.146+/-0.003 χ^2/NDF: 7305.9/95

- sign 0.150+/-0.004 χ^2/NDF: 4478.7/49

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -21.486+/-0.679 χ^2/NDF: 2390.0/20

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -14.519+/-0.586 χ^2/NDF: 4044.1/26

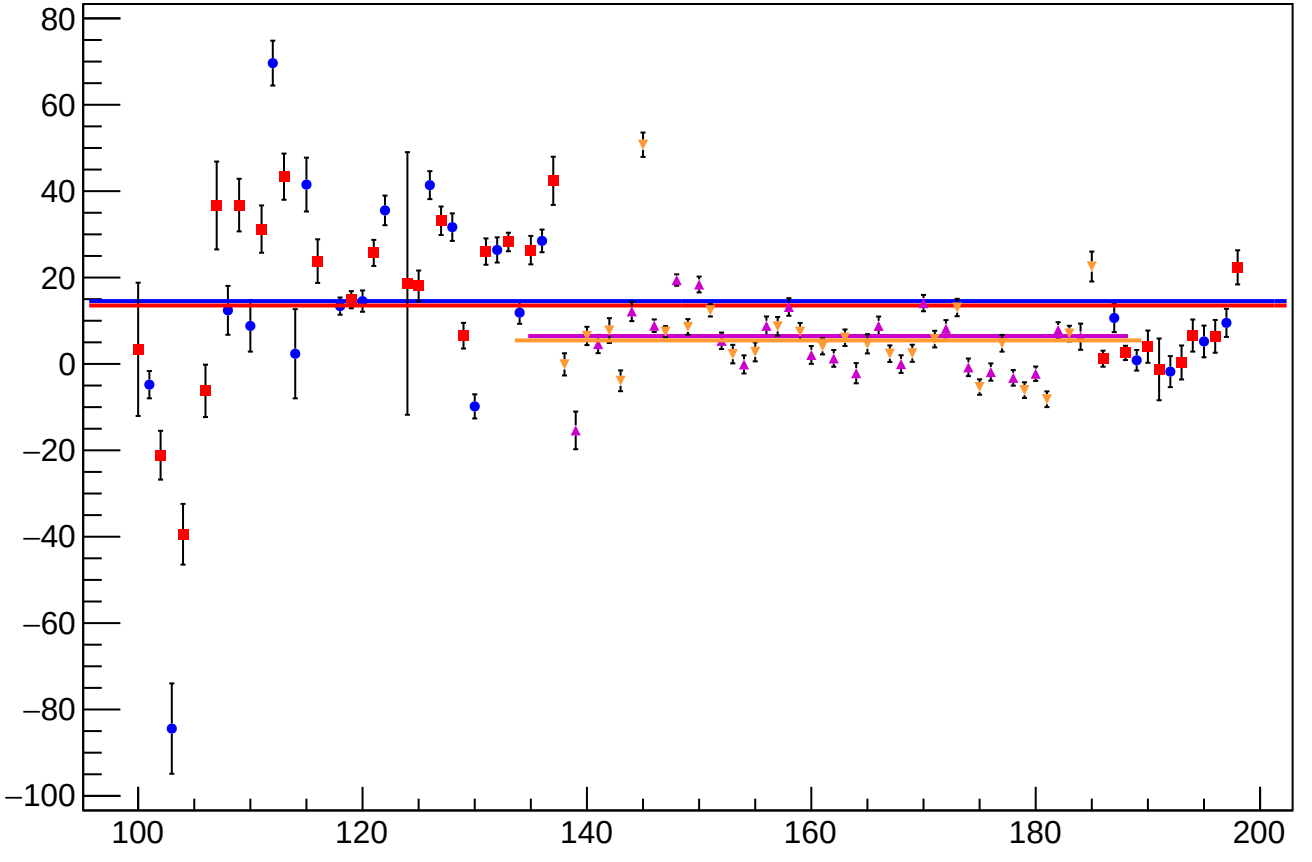
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -13.098+/-0.410 χ^2/NDF: 5189.6/45

All: -12.586+/-0.283 χ^2/NDF: 11785.4/95

- sign -12.118+/-0.392 χ^2/NDF: 6592.8/49

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 14.551+/-0.709 χ^2/NDF: 581.6/20

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 13.531+/-0.653 χ^2/NDF: 458.0/26

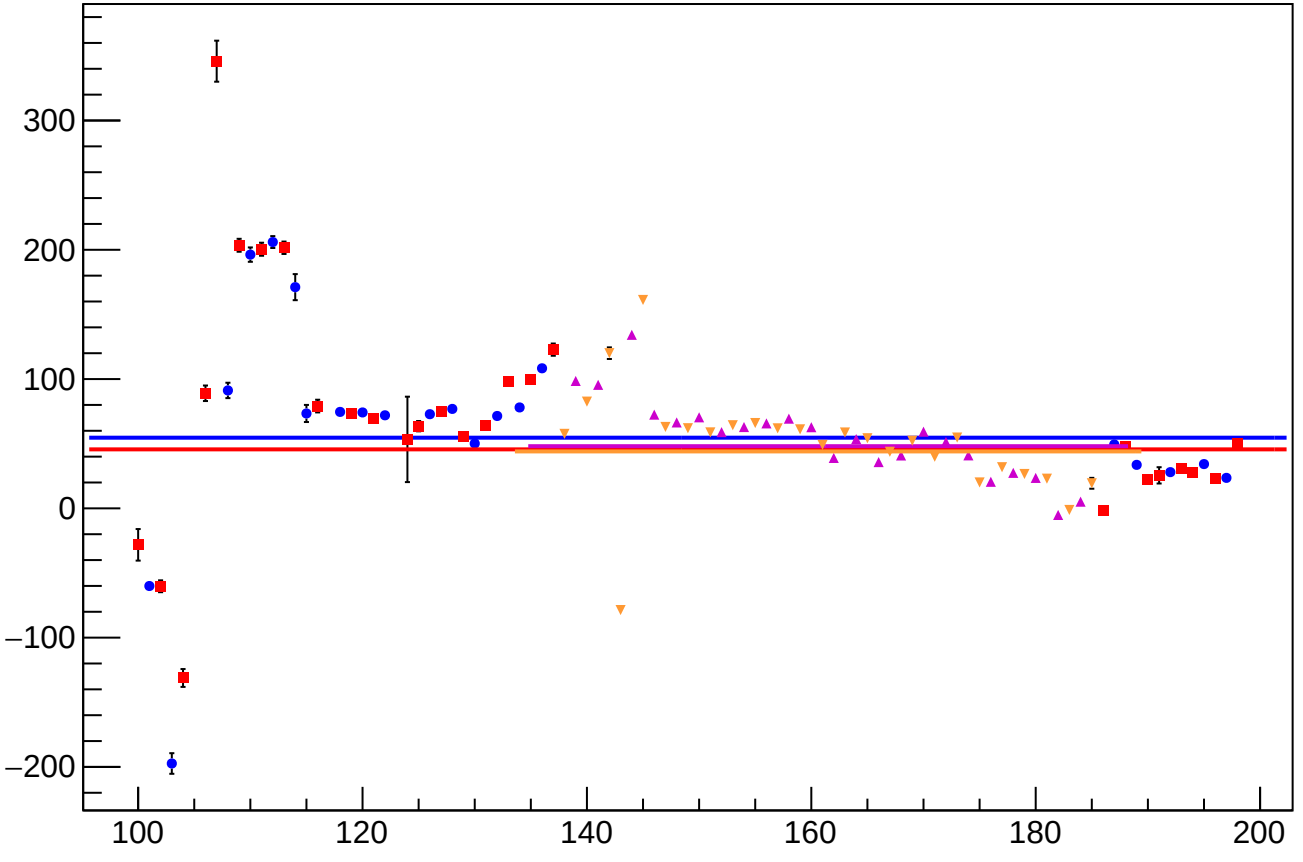
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.596+/-0.344 χ^2/NDF: 1201.5/45

All: 8.018+/-0.244 χ^2/NDF: 2082.7/95

- sign 8.445+/-0.346 χ^2/NDF: 878.2/49

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 54.659+/-0.668 χ^2/NDF: 5586.9/20

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 45.625+/-0.547 χ^2/NDF: 7524.3/26

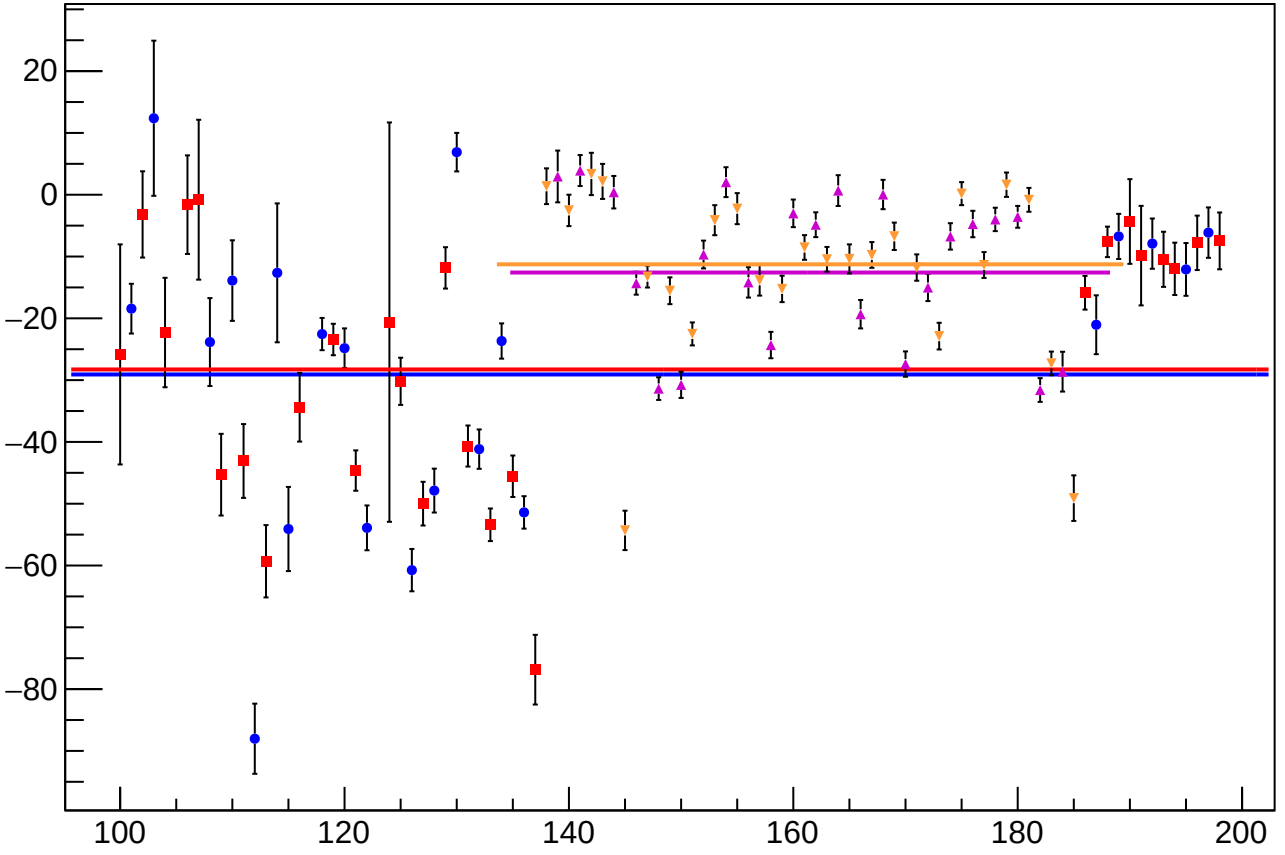
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 47.952+/-0.405 χ^2/NDF: 10310.5/45

All: 47.393+/-0.276 χ^2/NDF: 21225.3/95

- sign 46.909+/-0.377 χ^2/NDF: 10911.3/49

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -29.085+/-0.839 χ^2/NDF: 654.2/20

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -28.273+/-0.802 χ^2/NDF: 548.7/26

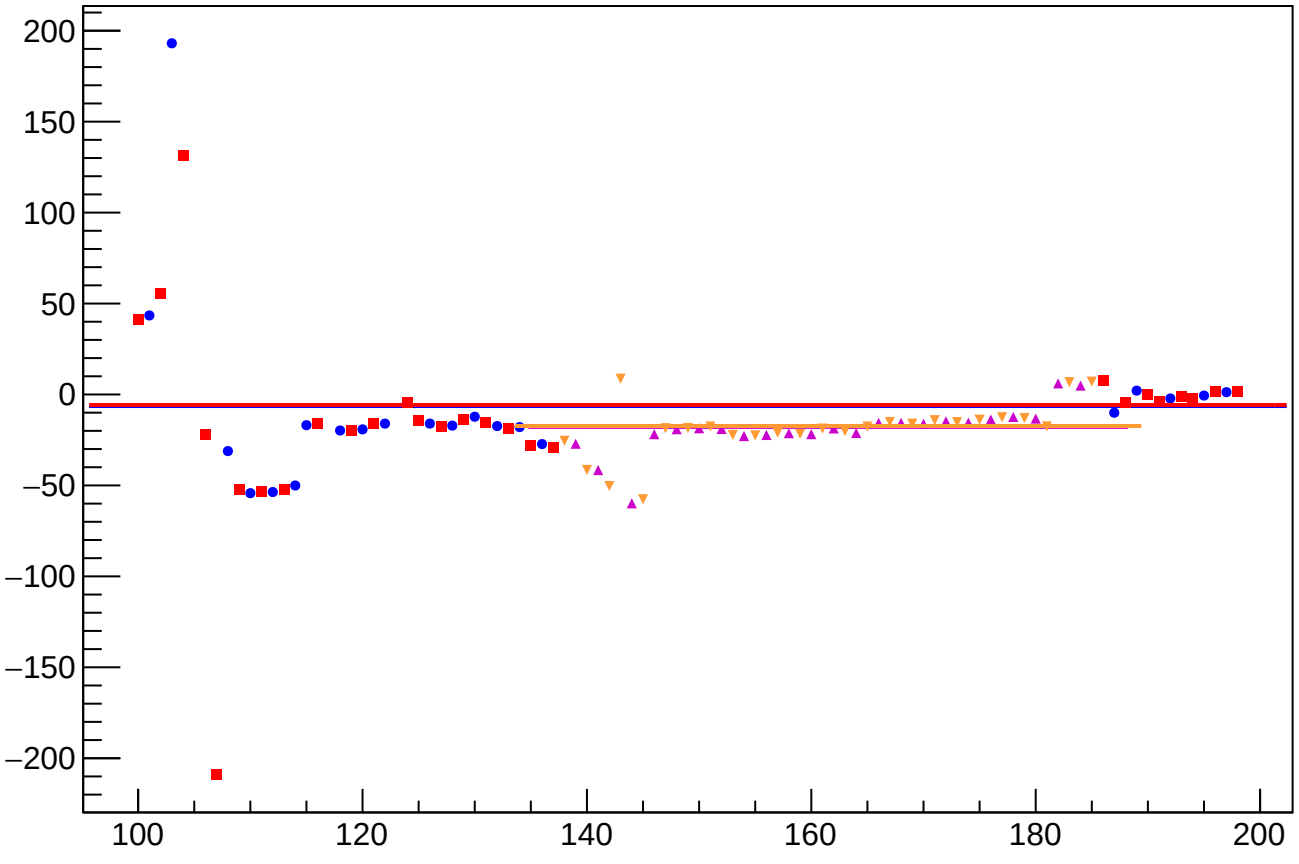
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.173+/-0.393 χ^2/NDF: 1649.8/45

All: -15.805+/-0.280 χ^2/NDF: 3163.5/95

- sign -16.454+/-0.398 χ^2/NDF: 1508.4/49

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -6.350+/-0.043 χ^2/NDF: 536325.6/20

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -5.775+/-0.041 χ^2/NDF: 476735.7/26

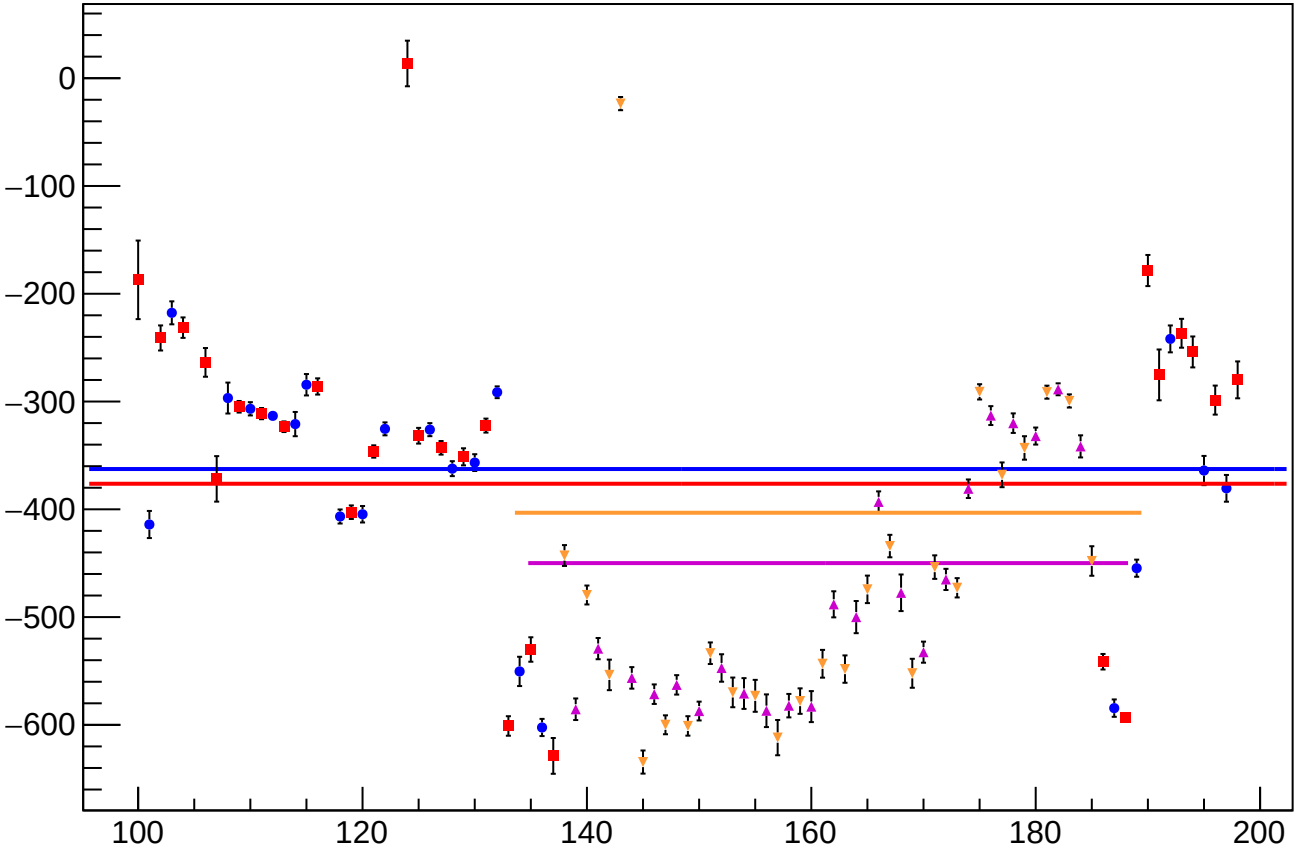
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -15.403+/-0.018 χ^2/NDF: 937178.8/45

All: -15.409+/-0.013 χ^2/NDF: 1752020.2/95

- sign -15.415+/-0.018 χ^2/NDF: 814841.1/49

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -362.628+/-1.691 χ^2/NDF: 2904.2/20

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -376.283+/-1.538 χ^2/NDF: 6142.9/26

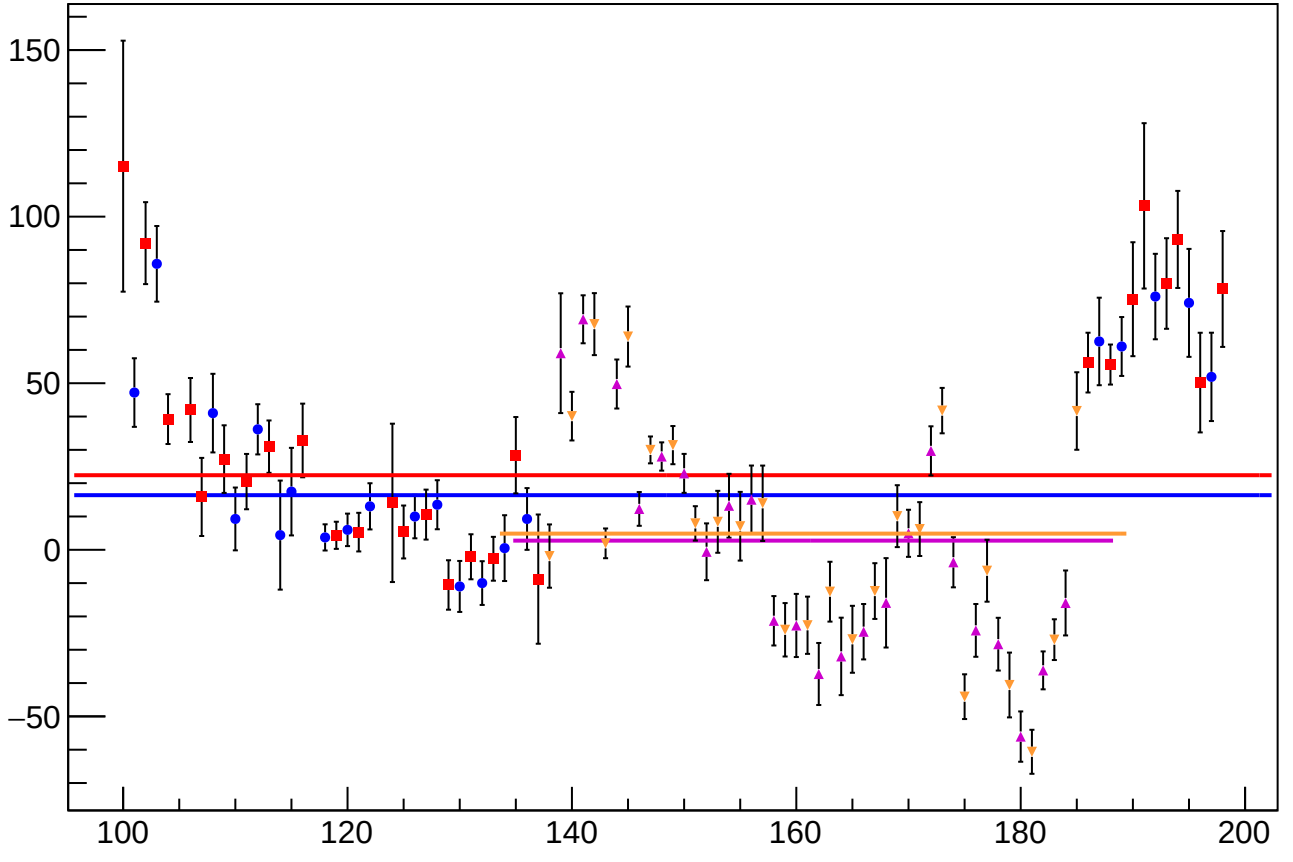
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -380.265+/-1.271 χ^2/NDF: 10904.9/45

All: -391.974+/-0.884 χ^2/NDF: 21259.6/95

- sign -402.923+/-1.229 χ^2/NDF: 10190.5/49

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 16.398+/-1.744 χ^2/NDF: 186.5/20

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 22.388+/-1.681 χ^2/NDF: 256.0/26

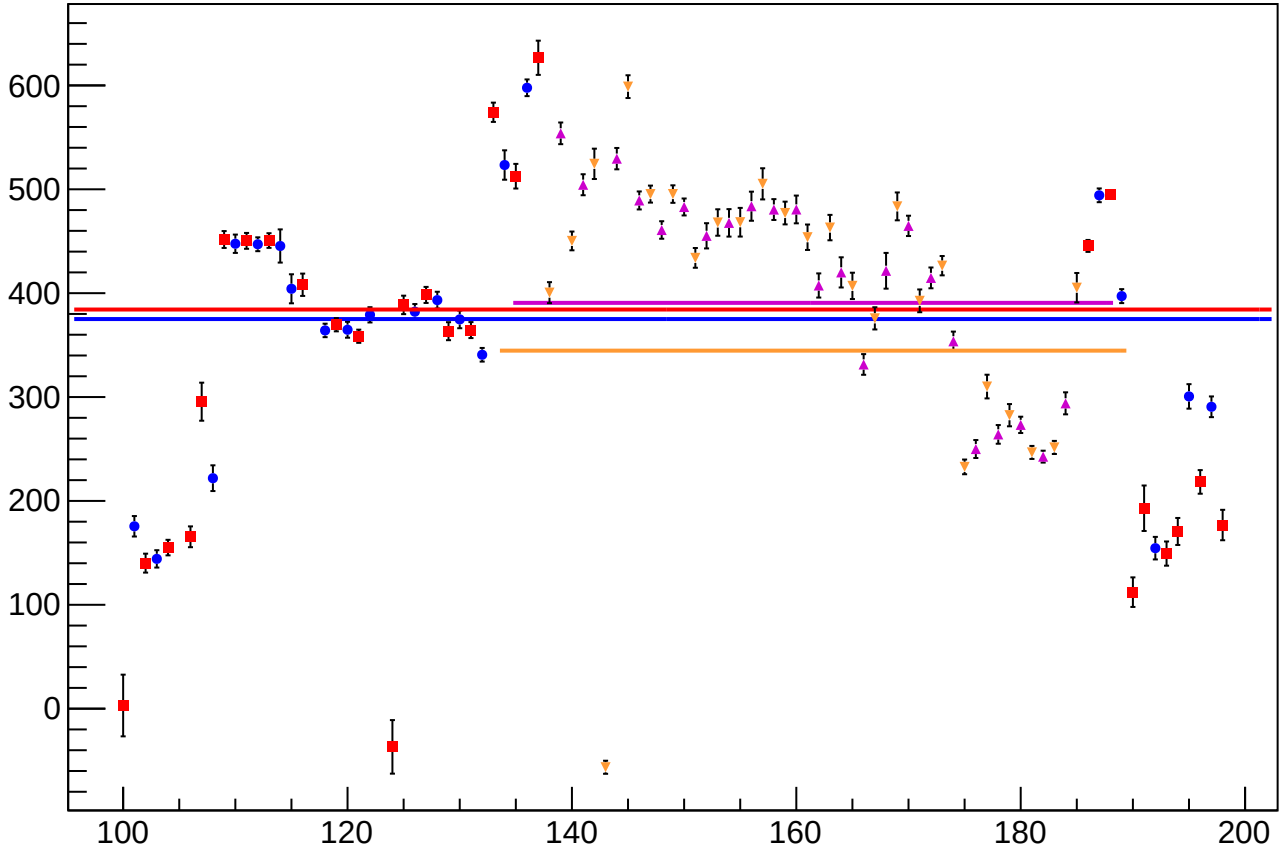
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 9.562+/-1.114 χ^2/NDF: 669.6/45

All: 10.656+/-0.797 χ^2/NDF: 1400.7/95

- sign 11.805+/-1.141 χ^2/NDF: 729.1/49

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.082+/-1.836 χ^2/NDF: 3308.1/20

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 384.260+/-1.612 χ^2/NDF: 6290.2/26

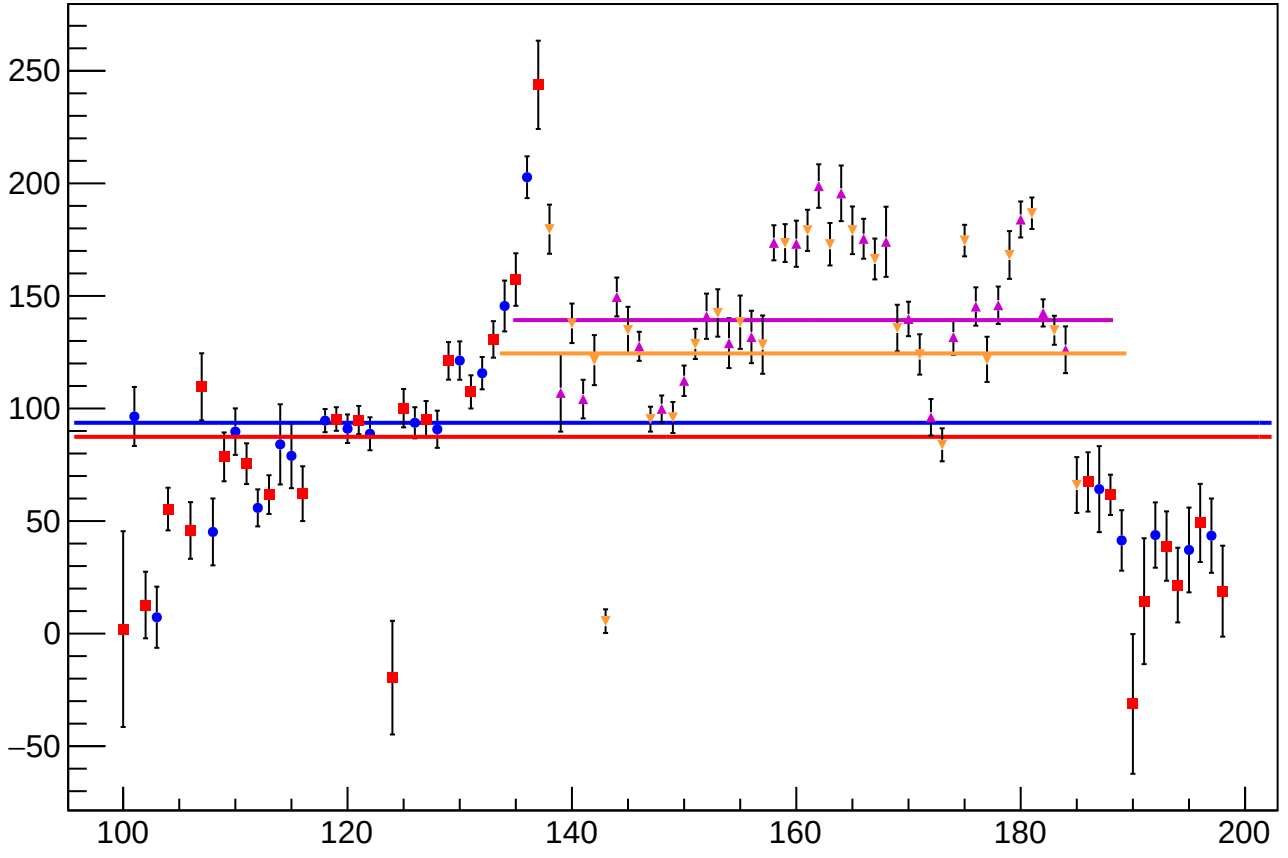
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 360.596+/-1.328 χ^2/NDF: 10717.0/45

All: 374.331+/-0.915 χ^2/NDF: 19889.7/95

- sign 386.741+/-1.262 χ^2/NDF: 8969.1/49

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 93.648+/-2.054 χ^2/NDF: 301.2/20

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 87.404+/-1.989 χ^2/NDF: 320.1/26

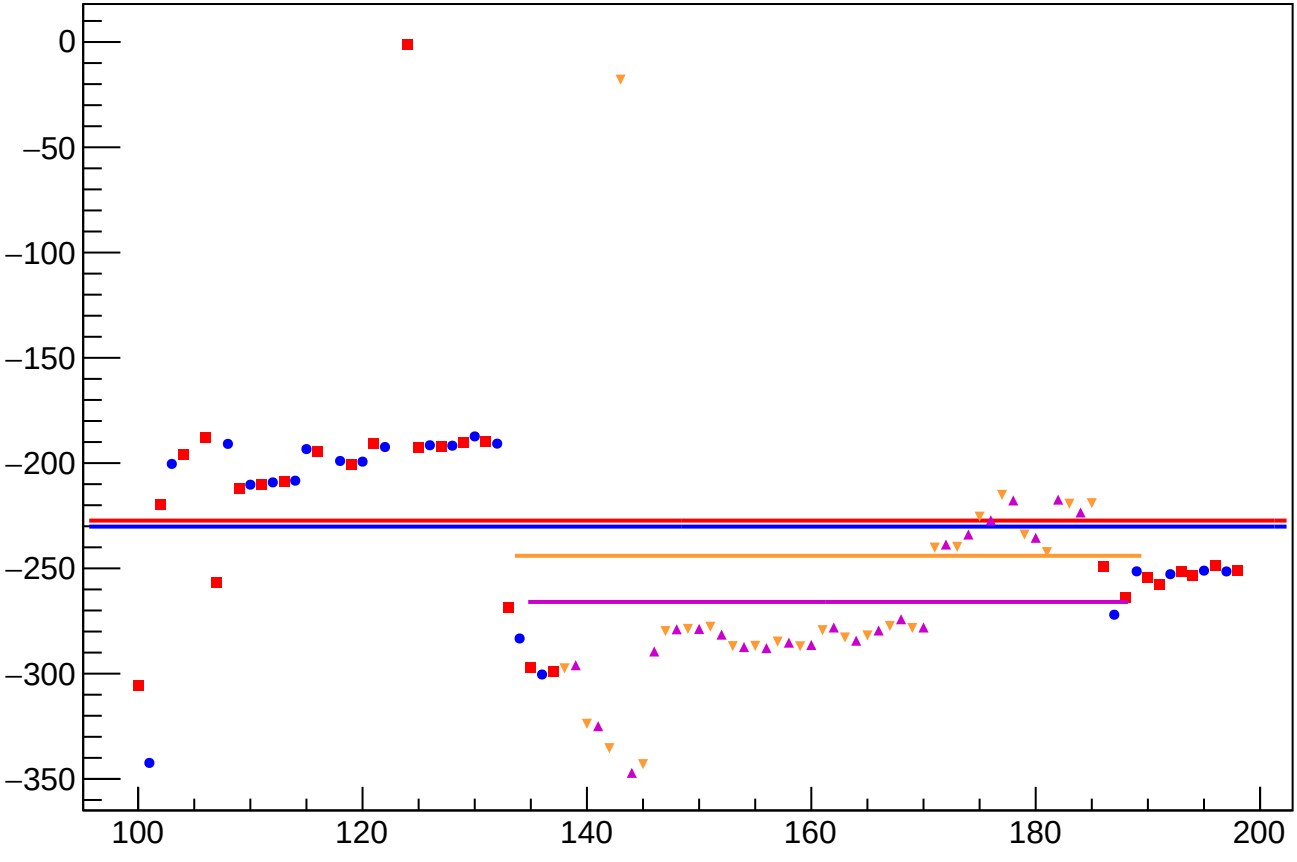
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 112.273+/-1.292 χ^2/NDF: 1374.8/45

All: 114.268+/-0.924 χ^2/NDF: 2340.4/95

- sign 116.355+/-1.322 χ^2/NDF: 960.7/49

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -230.159+/-0.122 χ^2/NDF: 131844.4/20

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -227.309+/-0.113 χ^2/NDF: 106880.0/26

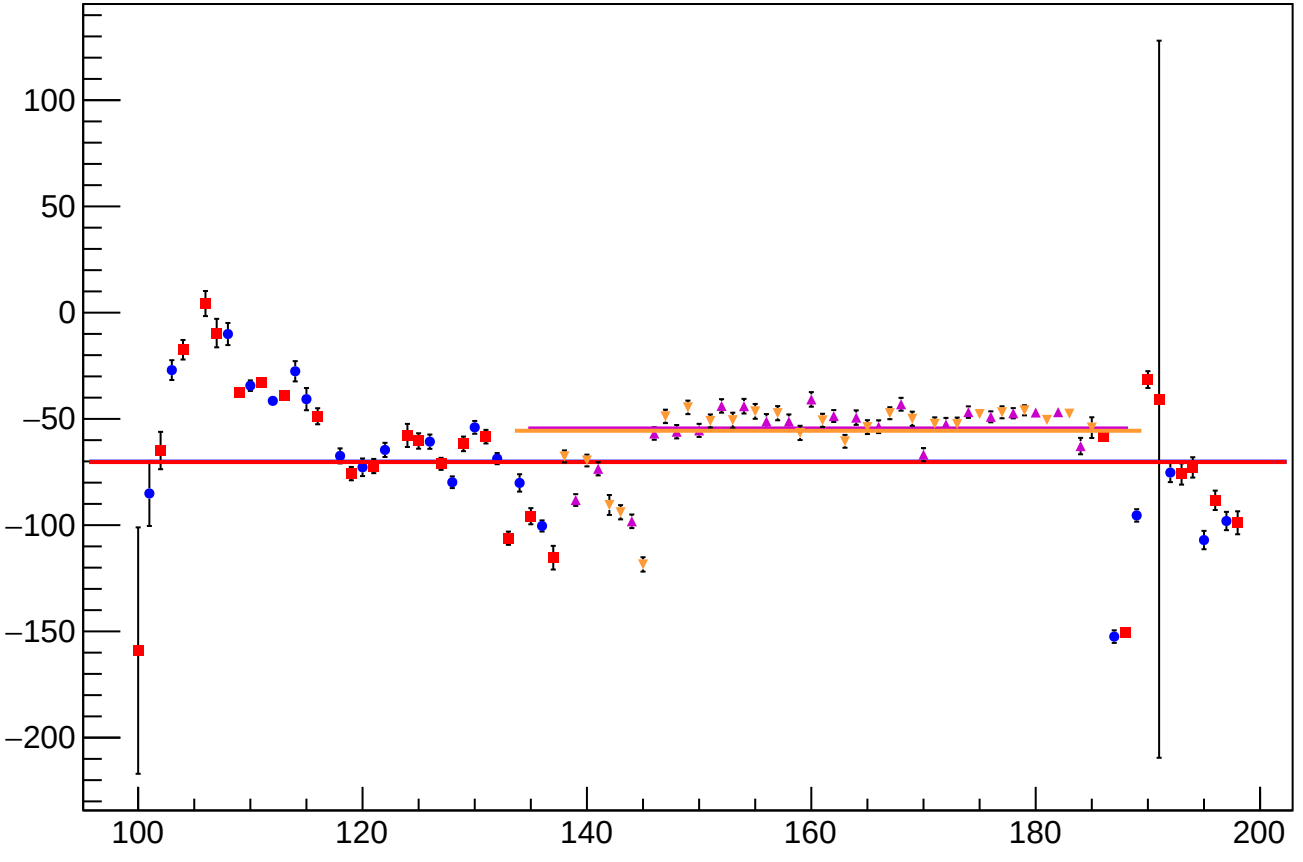
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.050+/-0.065 χ^2/NDF: 1139009.1/45

All: -246.443+/-0.046 χ^2/NDF: 1513011.1/95

- sign -252.866+/-0.065 χ^2/NDF: 354797.5/49

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -70.106+/-0.737 χ^2/NDF: 1872.4/20

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.315+/-0.635 χ^2/NDF: 3758.9/26

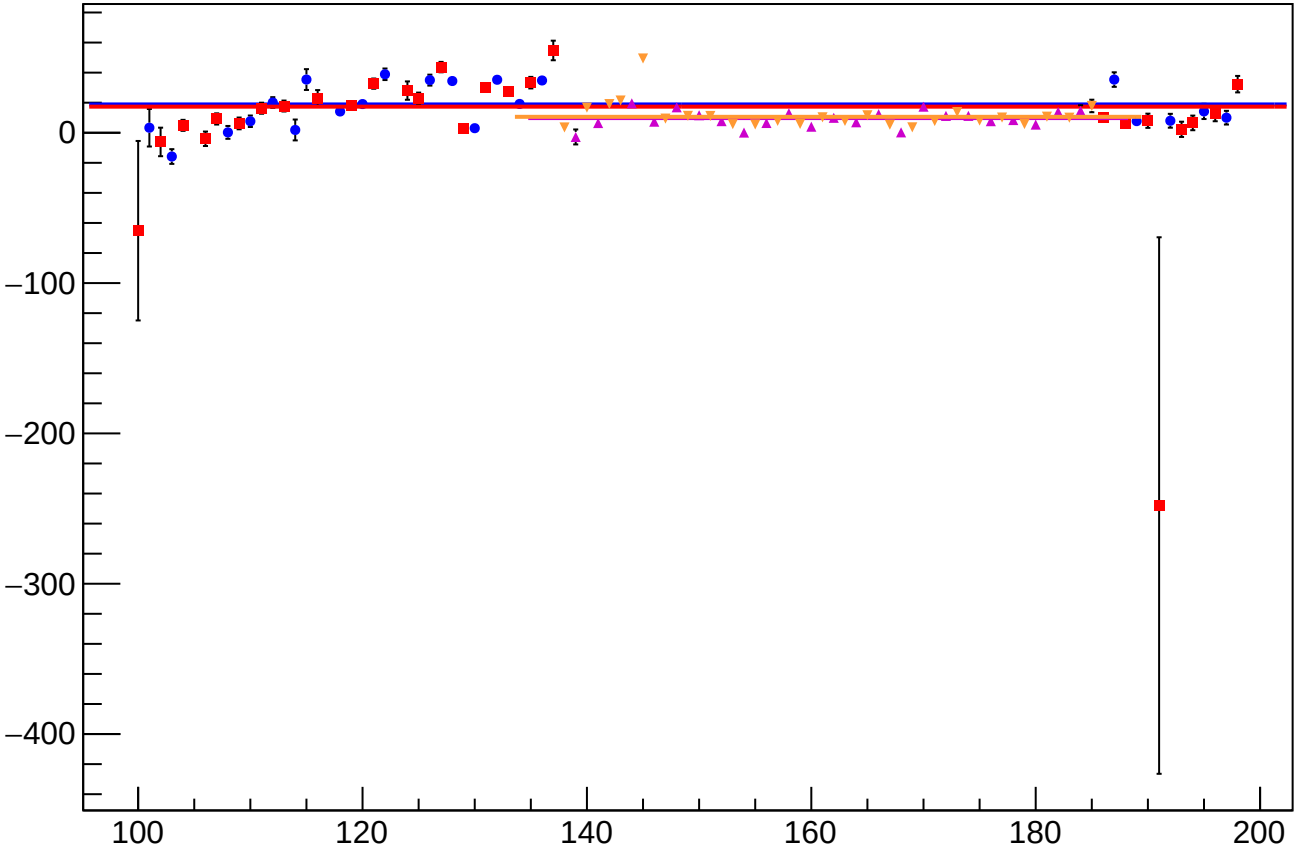
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -61.253+/-0.461 χ^2/NDF: 2795.9/45

All: -61.669+/-0.318 χ^2/NDF: 7381.5/95

\- sign -62.045+/-0.438 χ^2/NDF: 4584.0/49

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.841+/-0.790 χ^2/NDF: 282.4/20

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 17.364+/-0.710 χ^2/NDF: 301.1/26

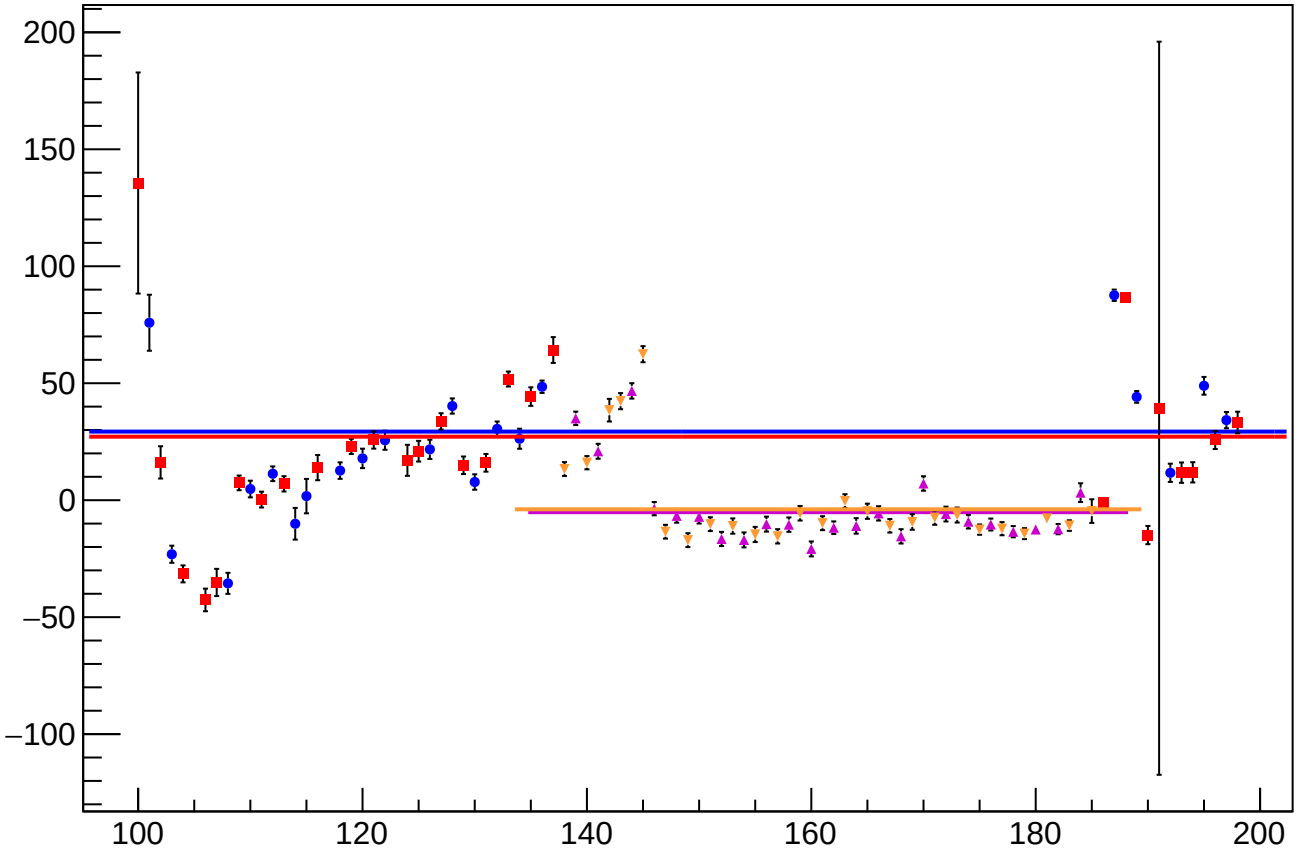
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.616+/-0.391 χ^2/NDF: 619.7/45

All: 12.336+/-0.276 χ^2/NDF: 1122.7/95

- sign 12.057+/-0.390 χ^2/NDF: 502.0/49

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 29.321+/-0.781 χ^2/NDF: 1356.5/20

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.148+/-0.640 χ^2/NDF: 3281.1/26

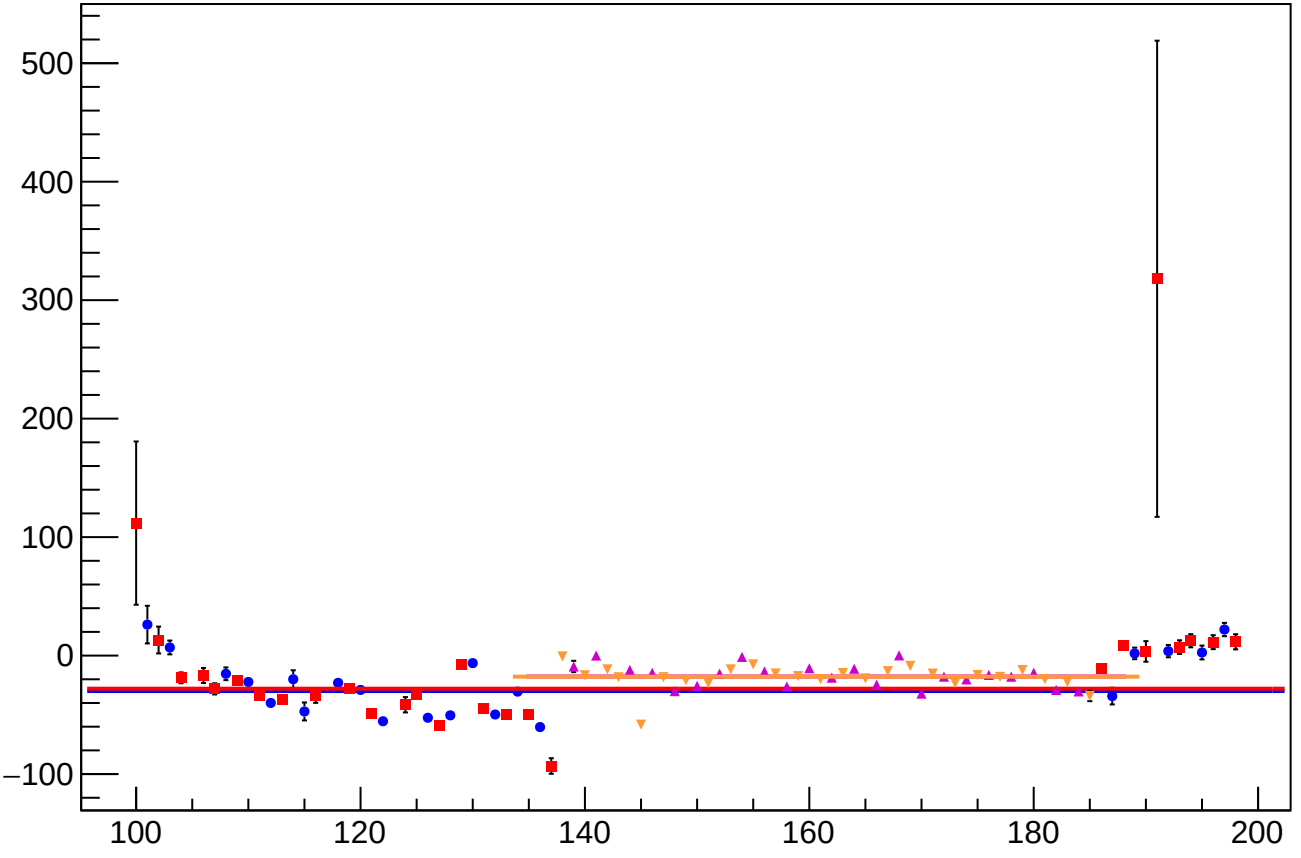
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 8.042+/-0.468 χ^2/NDF: 3365.0/45

All: 9.065+/-0.320 χ^2/NDF: 8658.6/95

- sign 9.958+/-0.438 χ^2/NDF: 5284.7/49

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -29.927+/-0.921 χ^2/NDF: 572.3/20

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

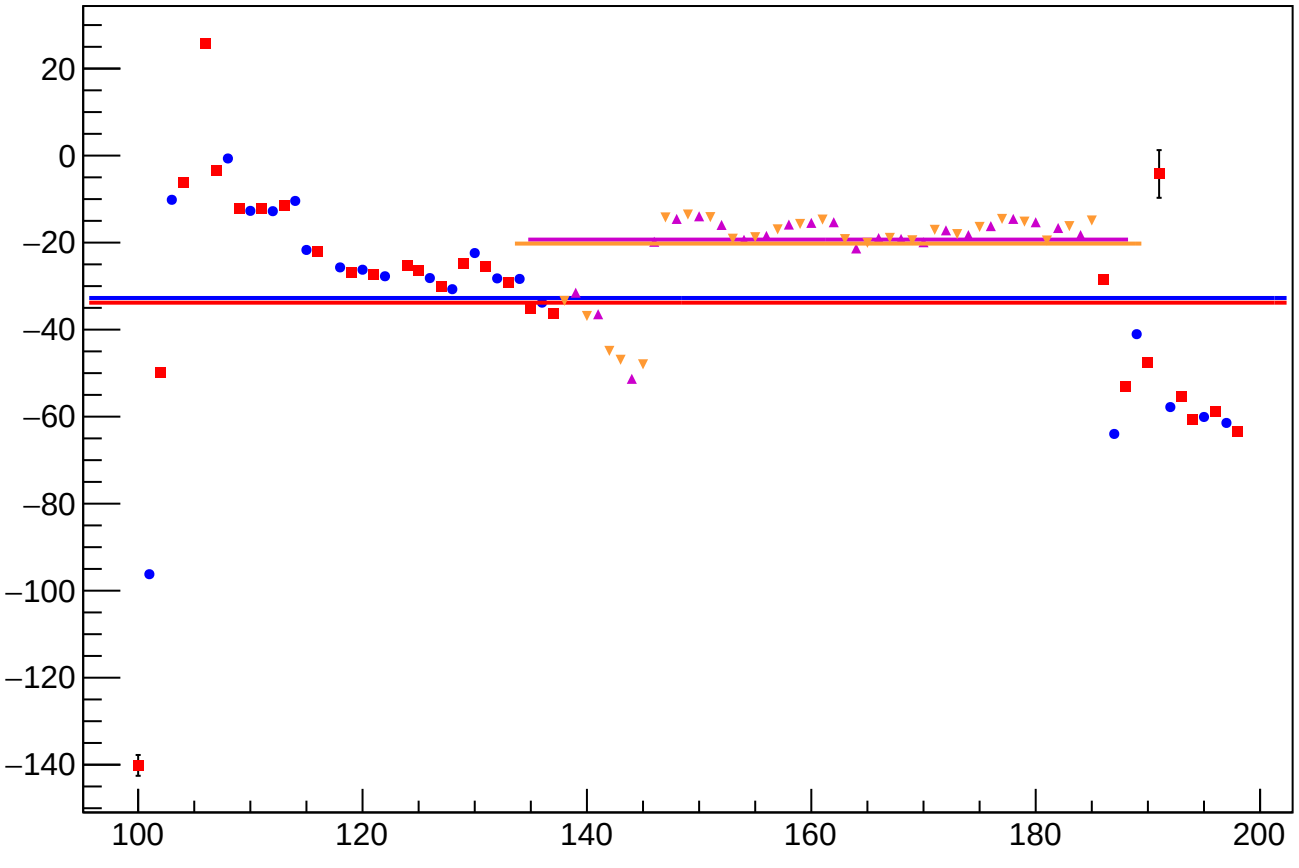
Right Out: -27.931+/-0.855 χ^2/NDF: 712.3/26

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

\+ sign -20.618+/-0.445 χ^2/NDF: 957.3/45

All: -20.544+/-0.316 χ^2/NDF: 2060.6/95

\- sign -20.469+/-0.448 χ^2/NDF: 1103.3/49



Right In: -32.725+/-0.049 χ^2/NDF: 157189.5/20

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -33.806+/-0.046 χ^2/NDF: 242120.4/26

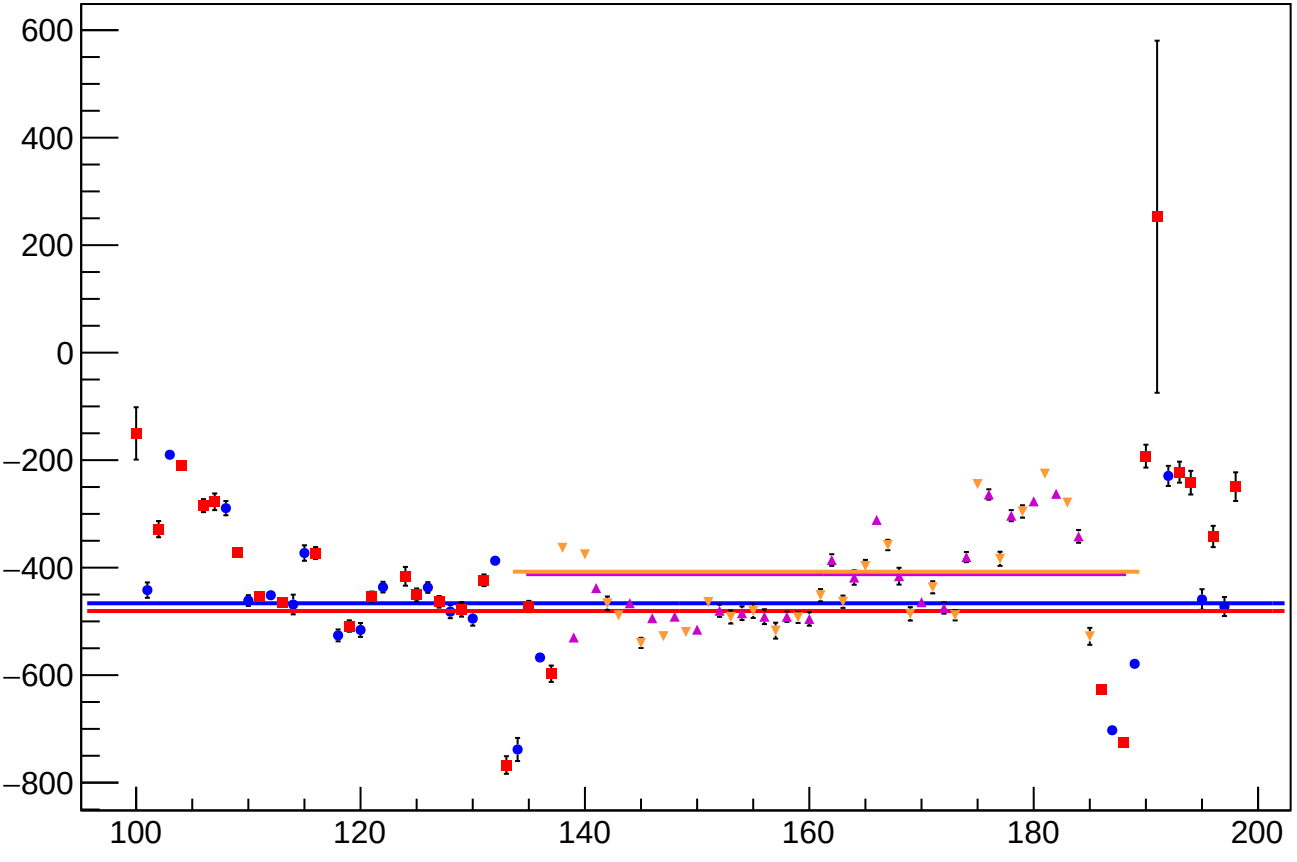
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -22.488+/-0.021 χ^2/NDF: 358630.1/45

All: -22.383+/-0.015 χ^2/NDF: 773388.8/95

- sign -22.278+/-0.021 χ^2/NDF: 414707.6/49

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -466.290+/-2.419 χ^2/NDF: 2622.8/20

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -480.714+/-2.100 χ^2/NDF: 5842.8/26

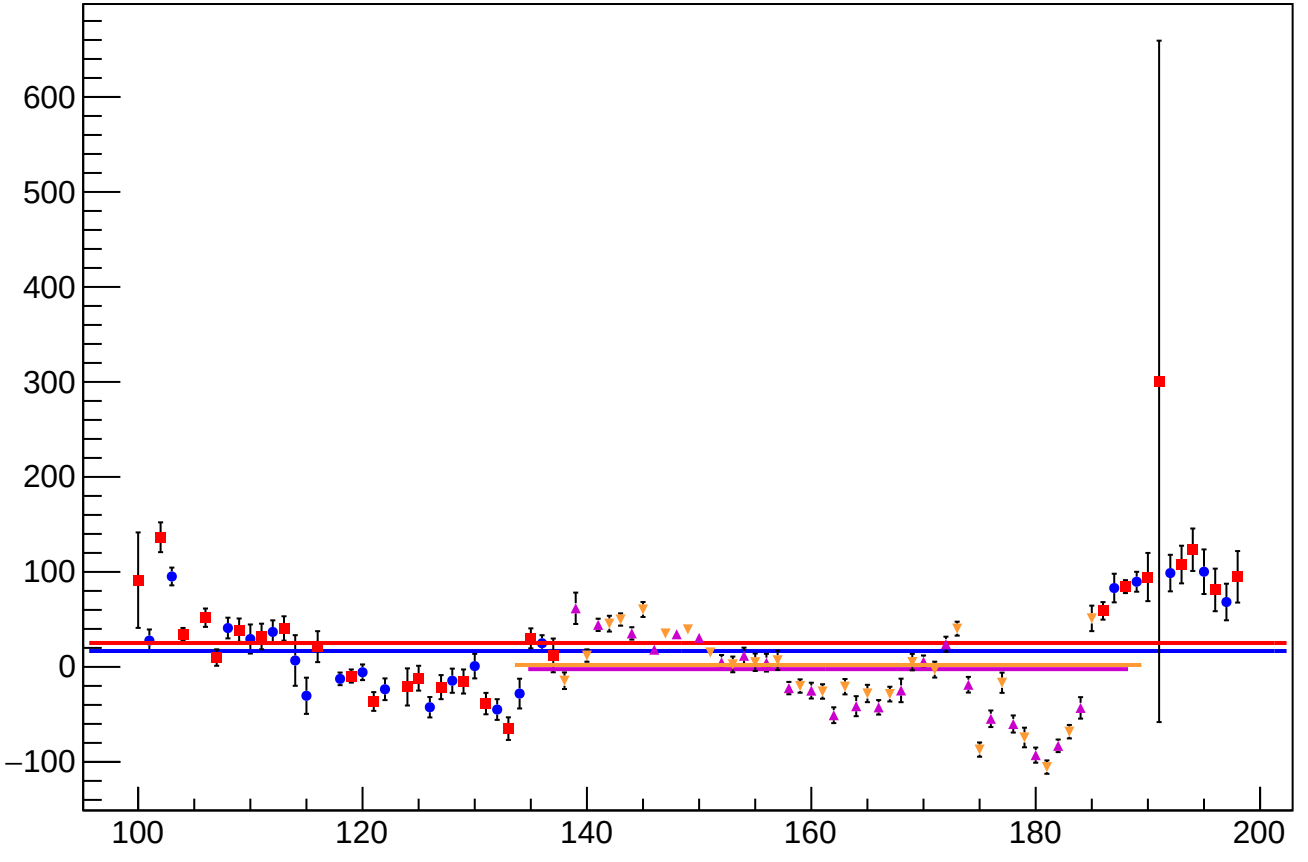
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -430.701+/-1.519 χ^2/NDF: 5852.6/45

All: -438.111+/-1.049 χ^2/NDF: 14480.8/95

- sign -444.880+/-1.451 χ^2/NDF: 8582.7/49

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 16.742+/-2.539 χ^2/NDF: 309.8/20

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 25.188+/-2.260 χ^2/NDF: 406.3/26

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

\+ sign 5.561+/-1.243 χ^2/NDF: 1246.0/45

All: 5.742+/-0.878 χ^2/NDF: 2489.7/95

\- sign 5.922+/-1.240 χ^2/NDF: 1243.6/49

reg_asym_atr2_diff_bpm4eX_slope vs Slug

Right In: 627.993+/-2.455 χ^2/NDF: 4801.9/20

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 636.510+/-2.053 χ^2/NDF: 8061.8/26

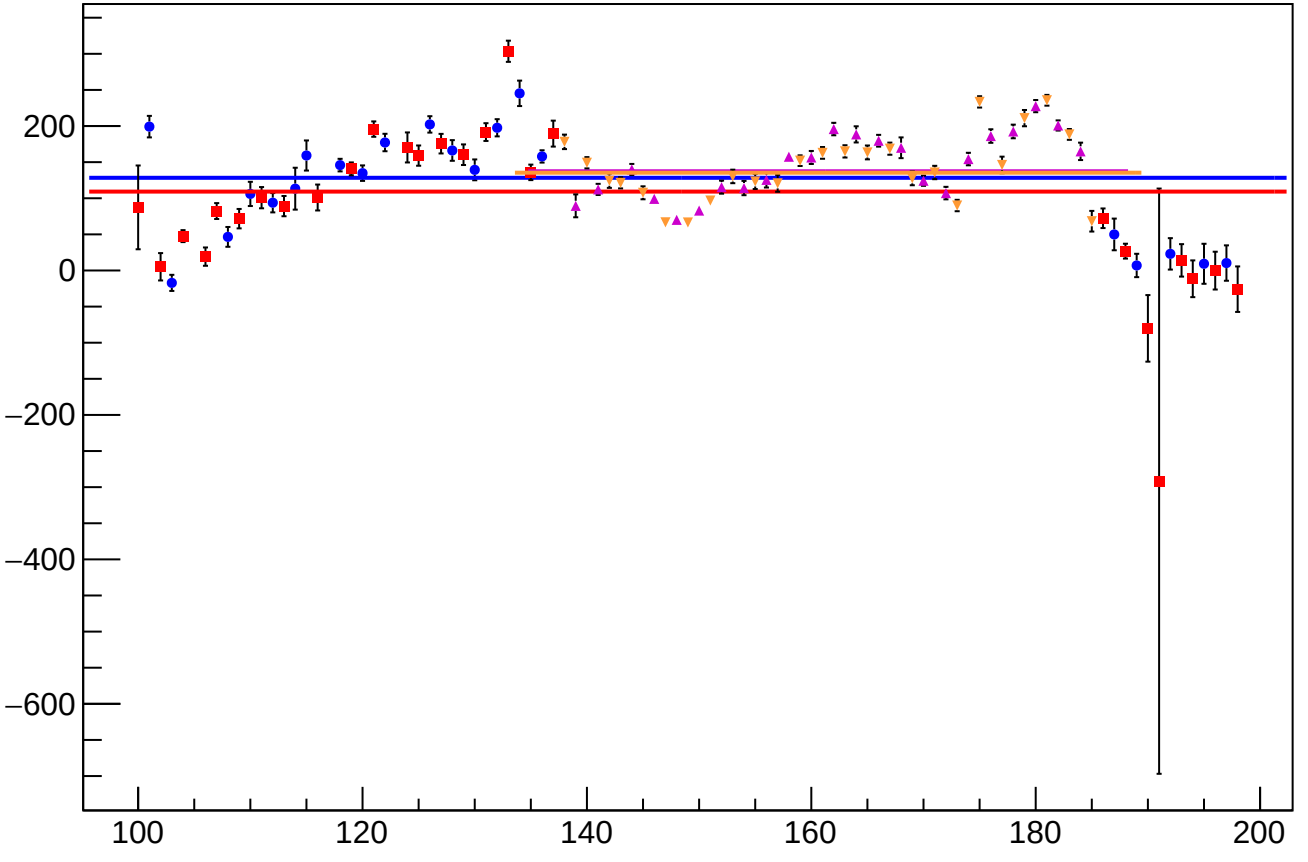
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 555.169+/-1.520 χ^2/NDF: 8890.8/45

All: 564.257+/-1.040 χ^2/NDF: 21001.3/95

- sign 572.261+/-1.427 χ^2/NDF: 12043.3/49

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 128.341+/-2.992 χ^2/NDF: 534.1/20

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 109.234+/-2.731 χ^2/NDF: 701.4/26

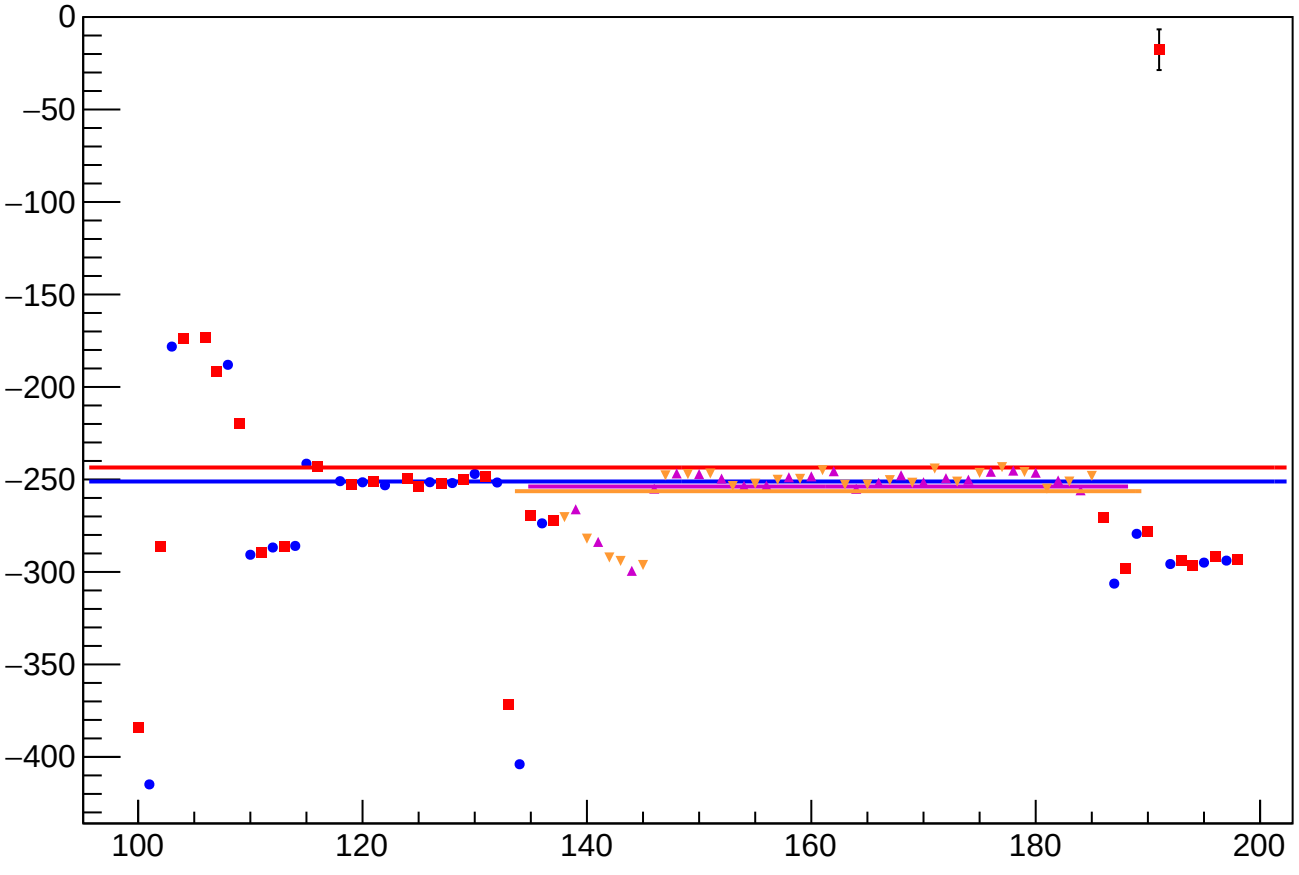
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 133.761+/-1.444 χ^2/NDF: 1461.5/45

All: 131.632+/-1.021 χ^2/NDF: 2949.7/95

- sign 129.501+/-1.445 χ^2/NDF: 1483.8/49

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -251.098+/-0.149 χ^2/NDF: 188423.9/20

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -243.531+/-0.139 χ^2/NDF: 137417.2/26

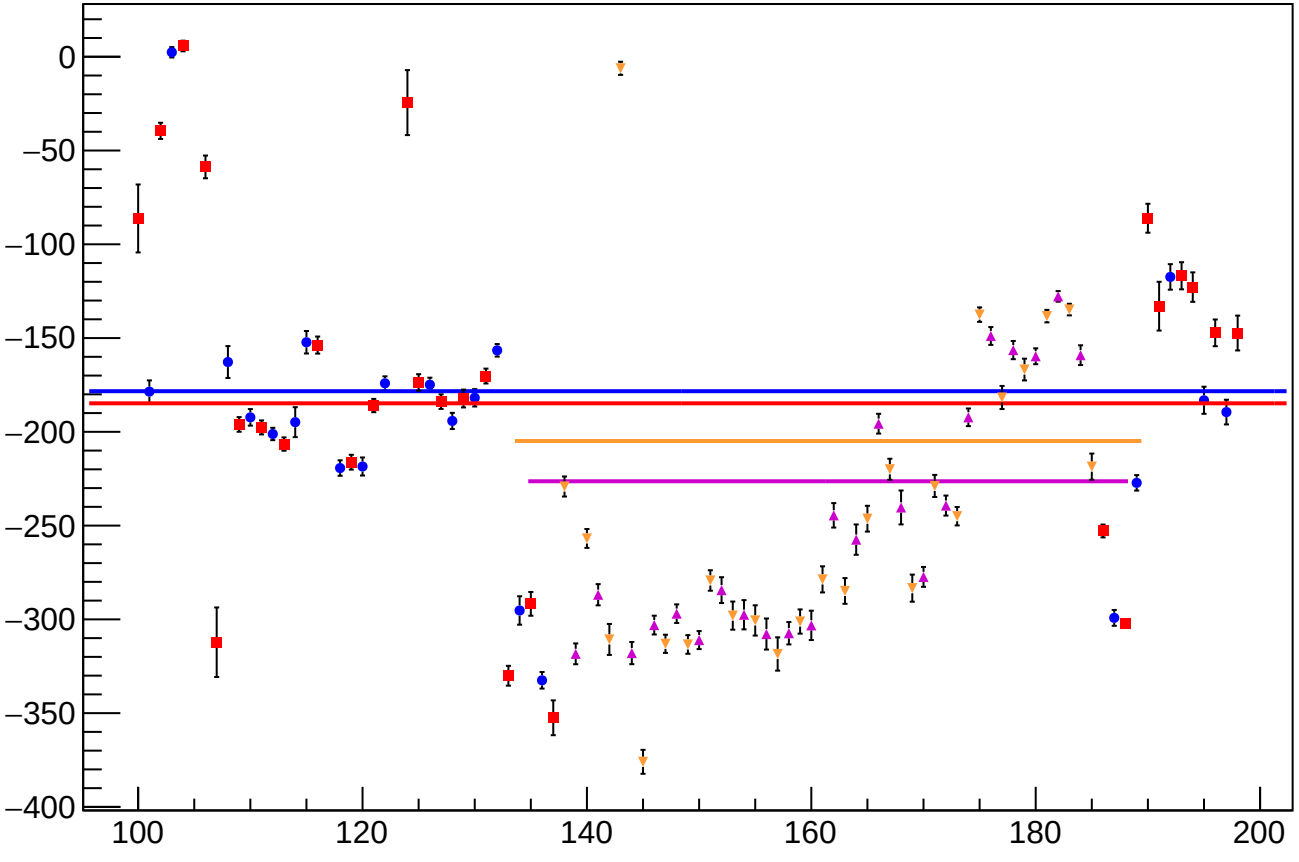
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -255.239+/-0.068 χ^2/NDF: 228914.9/45

All: -253.291+/-0.048 χ^2/NDF: 396174.5/95

- sign -251.370+/-0.068 χ^2/NDF: 165649.5/49

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -178.333+/-0.979 χ^2/NDF: 7037.9/20

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -184.794+/-0.881 χ^2/NDF: 11227.9/26

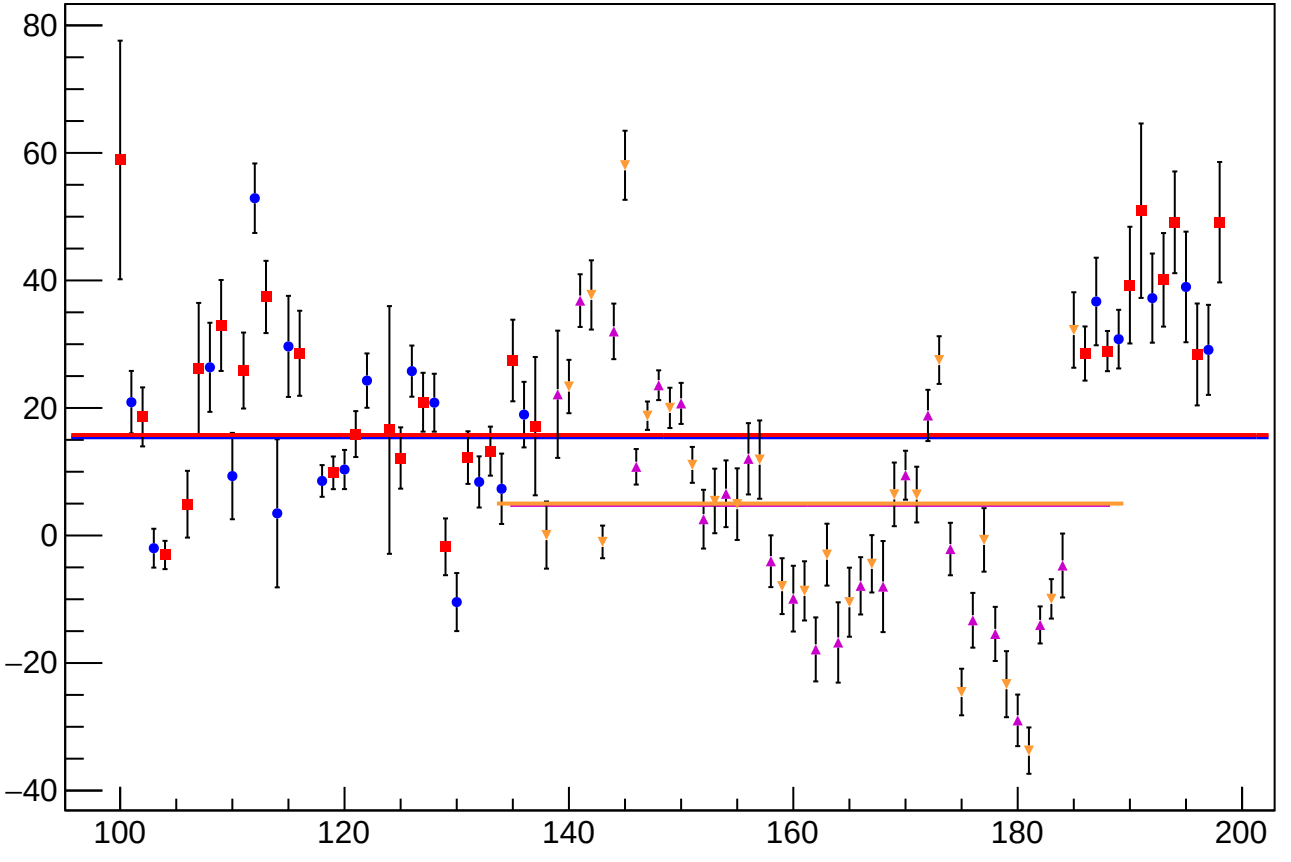
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -190.664+/-0.717 χ^2/NDF: 15205.6/45

All: -196.008+/-0.497 χ^2/NDF: 31625.2/95

- sign -200.939+/-0.689 χ^2/NDF: 16312.7/49

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 15.407+/-1.007 χ^2/NDF: 191.1/20

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 15.756+/-0.926 χ^2/NDF: 220.3/26

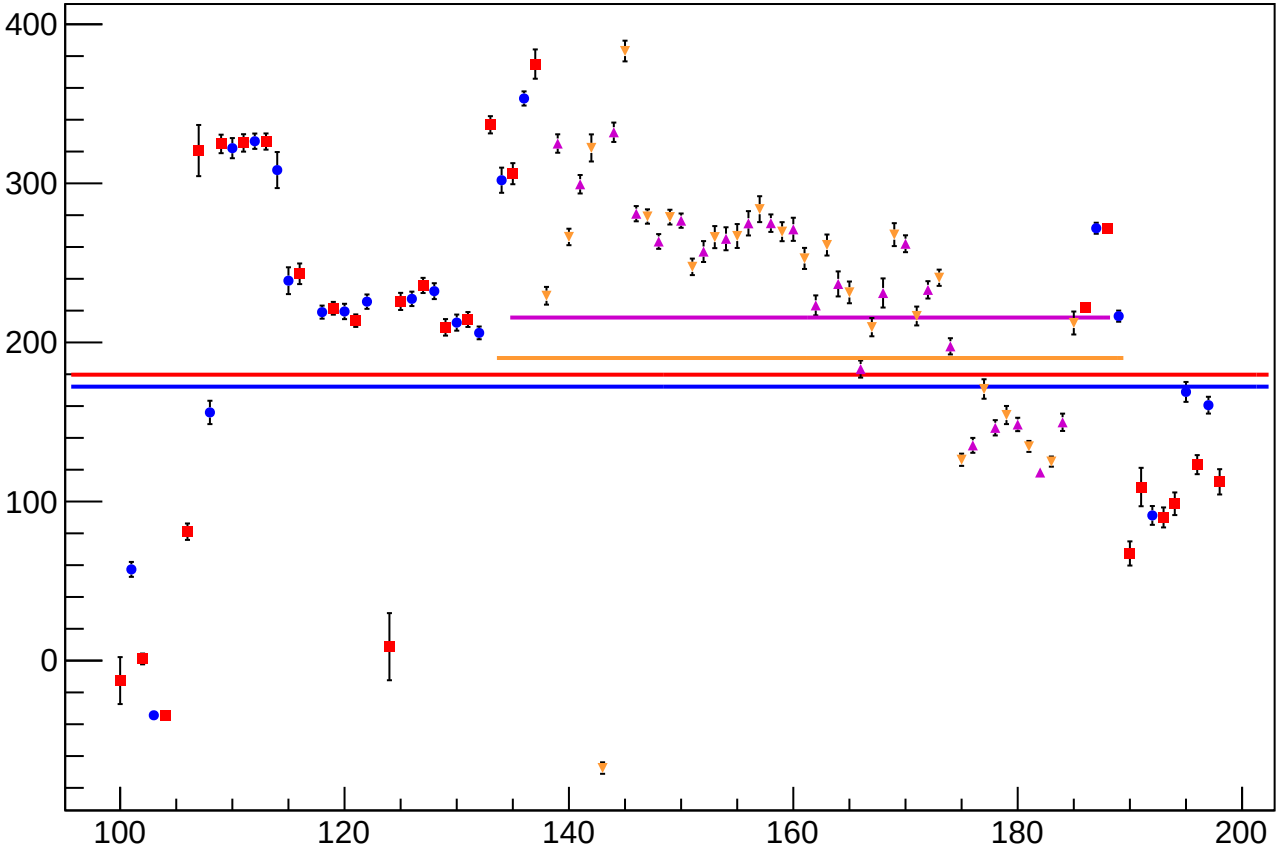
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 8.987+/-0.623 χ^2/NDF: 805.4/45

All: 9.387+/-0.441 χ^2/NDF: 1529.2/95

- sign 9.789+/-0.625 χ^2/NDF: 723.0/49

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 172.211+/-0.987 χ^2/NDF: 15235.0/20

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 179.735+/-0.856 χ^2/NDF: 20505.6/26

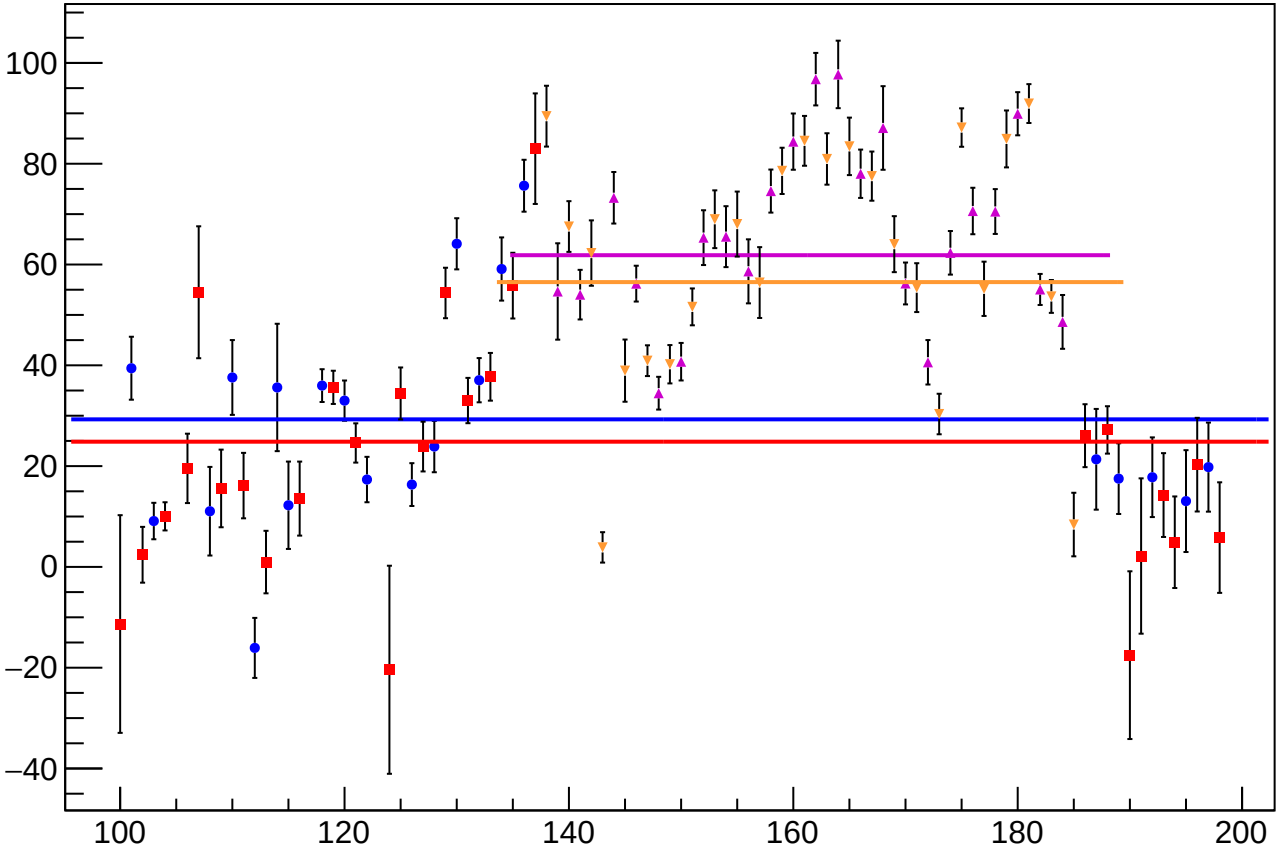
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 180.661+/-0.719 χ^2/NDF: 24775.1/45

All: 187.385+/-0.492 χ^2/NDF: 49996.2/95

- sign 193.312+/-0.675 χ^2/NDF: 25056.7/49

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 29.278+/-1.192 χ^2/NDF: 287.2/20

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 24.846+/-1.115 χ^2/NDF: 207.2/26

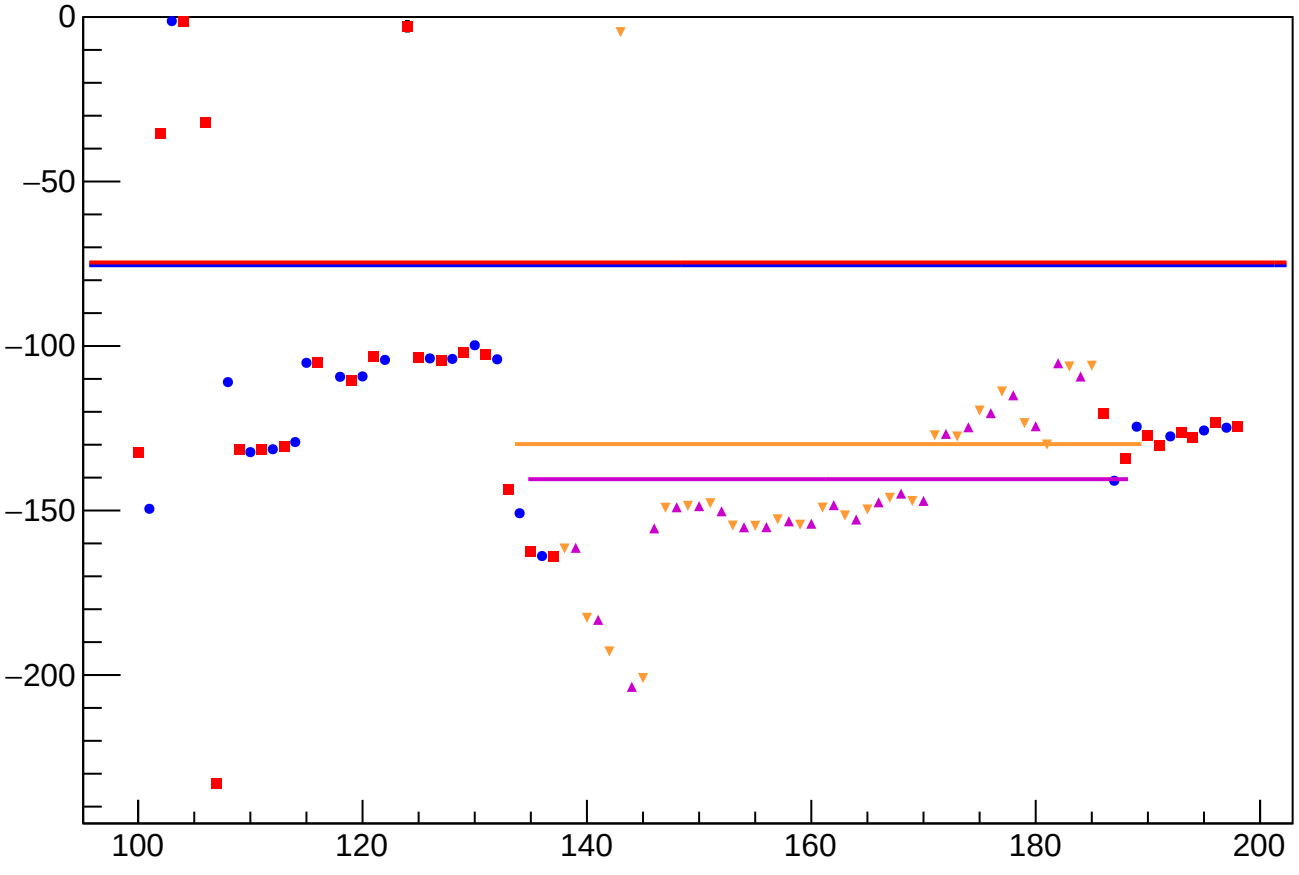
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 46.494+/-0.723 χ^2/NDF: 1416.3/45

All: 46.282+/-0.513 χ^2/NDF: 2576.2/95

- sign 46.066+/-0.728 χ^2/NDF: 1159.7/49

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -75.439+/-0.058 χ^2/NDF: 1208572.6/20

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -74.602+/-0.054 χ^2/NDF: 1179462.0/26

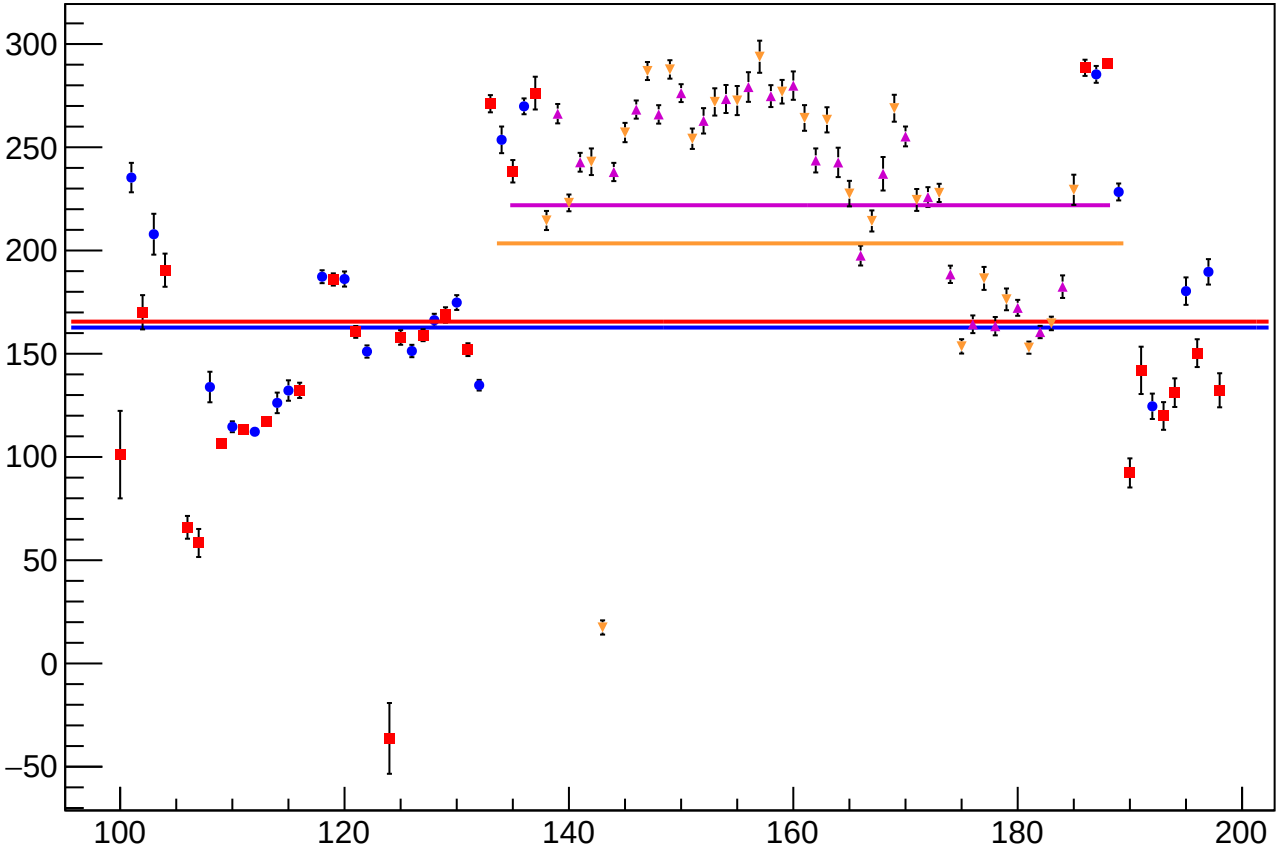
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.021+/-0.034 χ^2/NDF: 2808335.3/45

All: -112.782+/-0.024 χ^2/NDF: 5144098.5/95

- sign -114.531+/-0.034 χ^2/NDF: 2330451.1/49

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 162.687+/-0.811 χ^2/NDF: 3603.6/20

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 165.560+/-0.736 χ^2/NDF: 8043.4/26

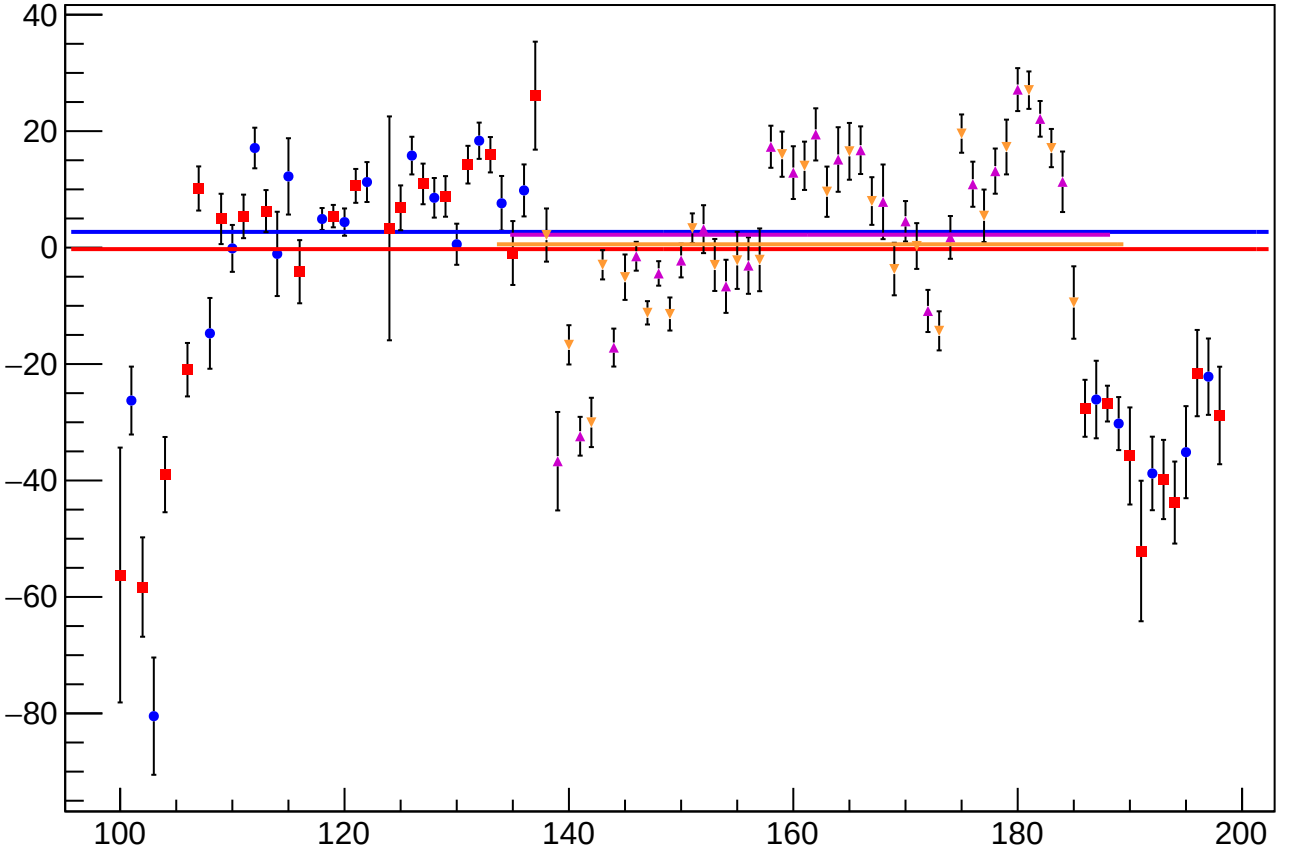
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 179.820+/-0.618 χ^2/NDF: 10155.9/45

All: 182.660+/-0.428 χ^2/NDF: 22280.1/95

- sign 185.278+/-0.593 χ^2/NDF: 12083.5/49

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 2.697+/-0.846 χ^2/NDF: 329.2/20

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -0.262+/-0.815 χ^2/NDF: 458.0/26

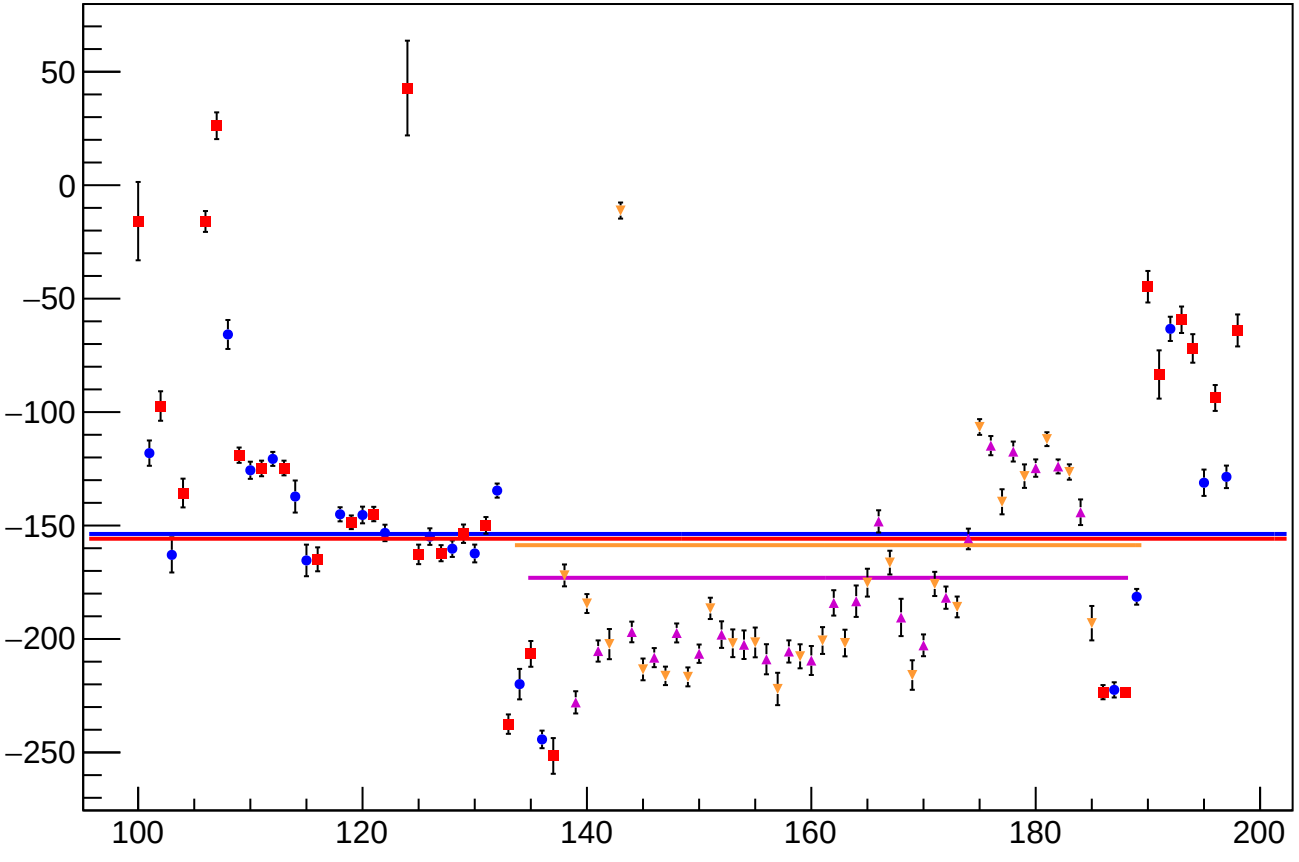
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 1.456+/-0.546 χ^2/NDF: 678.3/45

All: 1.261+/-0.390 χ^2/NDF: 1499.7/95

- sign 1.059+/-0.556 χ^2/NDF: 821.1/49

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -153.709+/-0.902 χ^2/NDF: 1923.7/20

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -155.814+/-0.797 χ^2/NDF: 6032.0/26

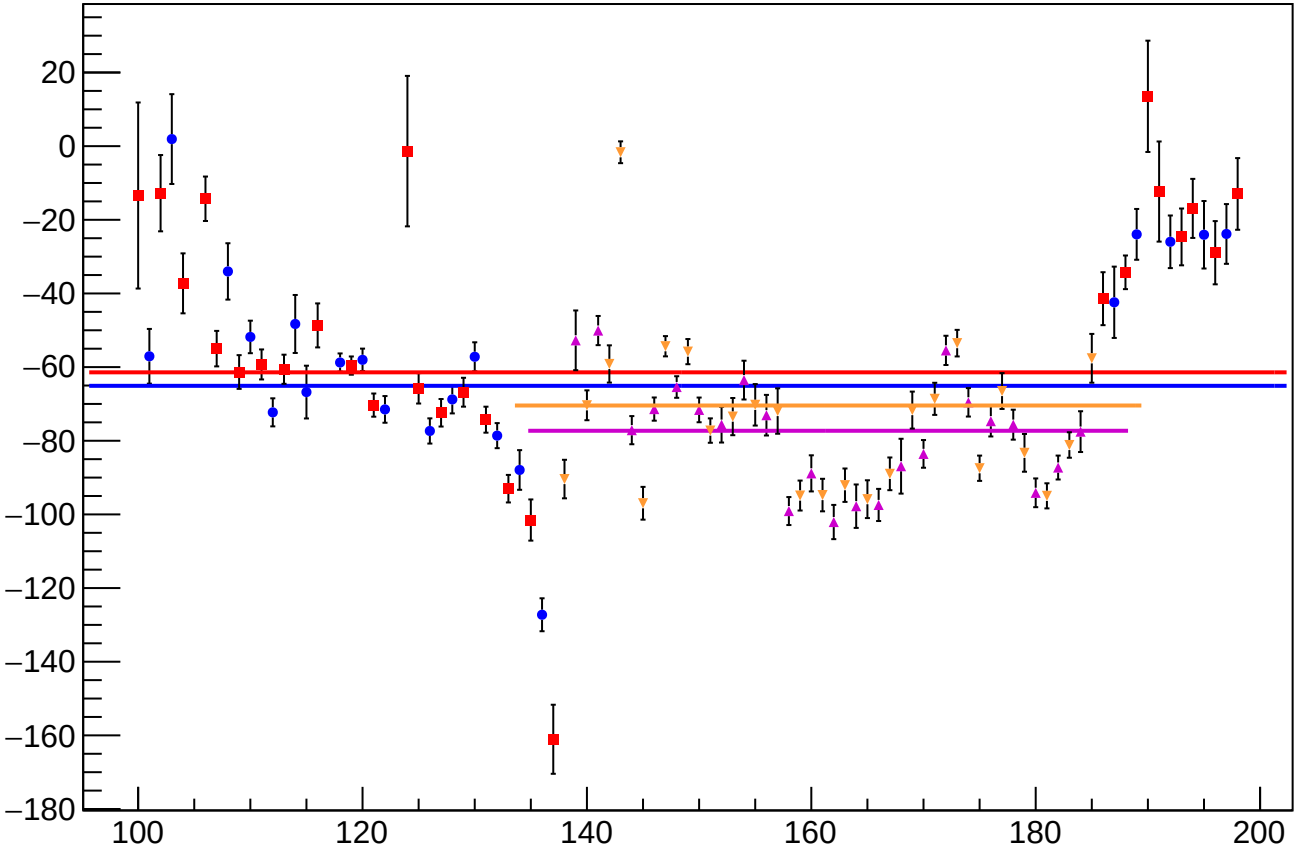
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -156.055+/-0.654 χ^2/NDF: 5429.7/45

All: -159.464+/-0.451 χ^2/NDF: 13095.7/95

- sign -162.547+/-0.622 χ^2/NDF: 7614.4/49

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -65.082+/-0.993 χ^2/NDF: 441.8/20

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -61.421+/-0.959 χ^2/NDF: 553.4/26

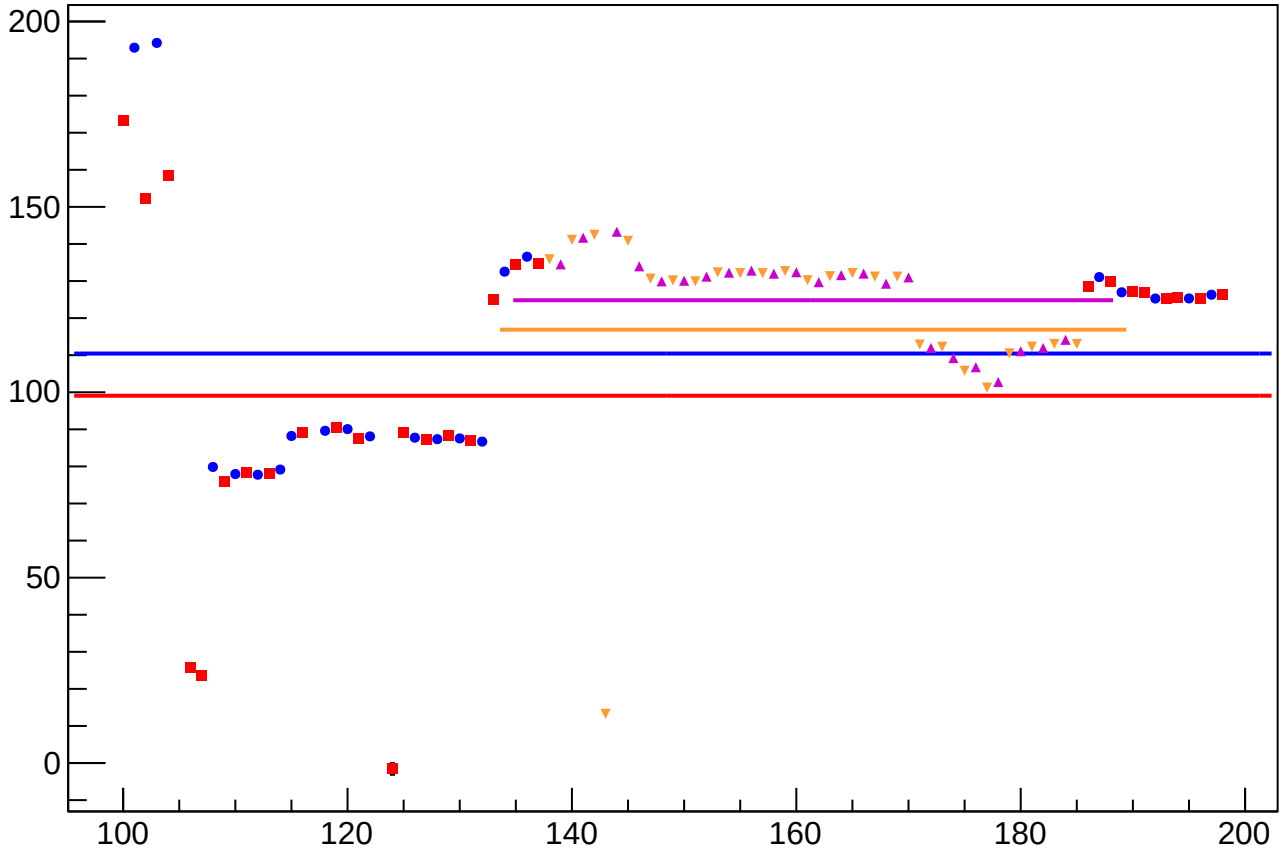
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -68.255+/-0.633 χ^2/NDF: 1360.7/45

All: -69.194+/-0.451 χ^2/NDF: 2323.6/95

- sign -70.163+/-0.643 χ^2/NDF: 958.5/49

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 110.446+/-0.062 χ^2/NDF: 259389.2/20

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 99.069+/-0.055 χ^2/NDF: 477963.2/26

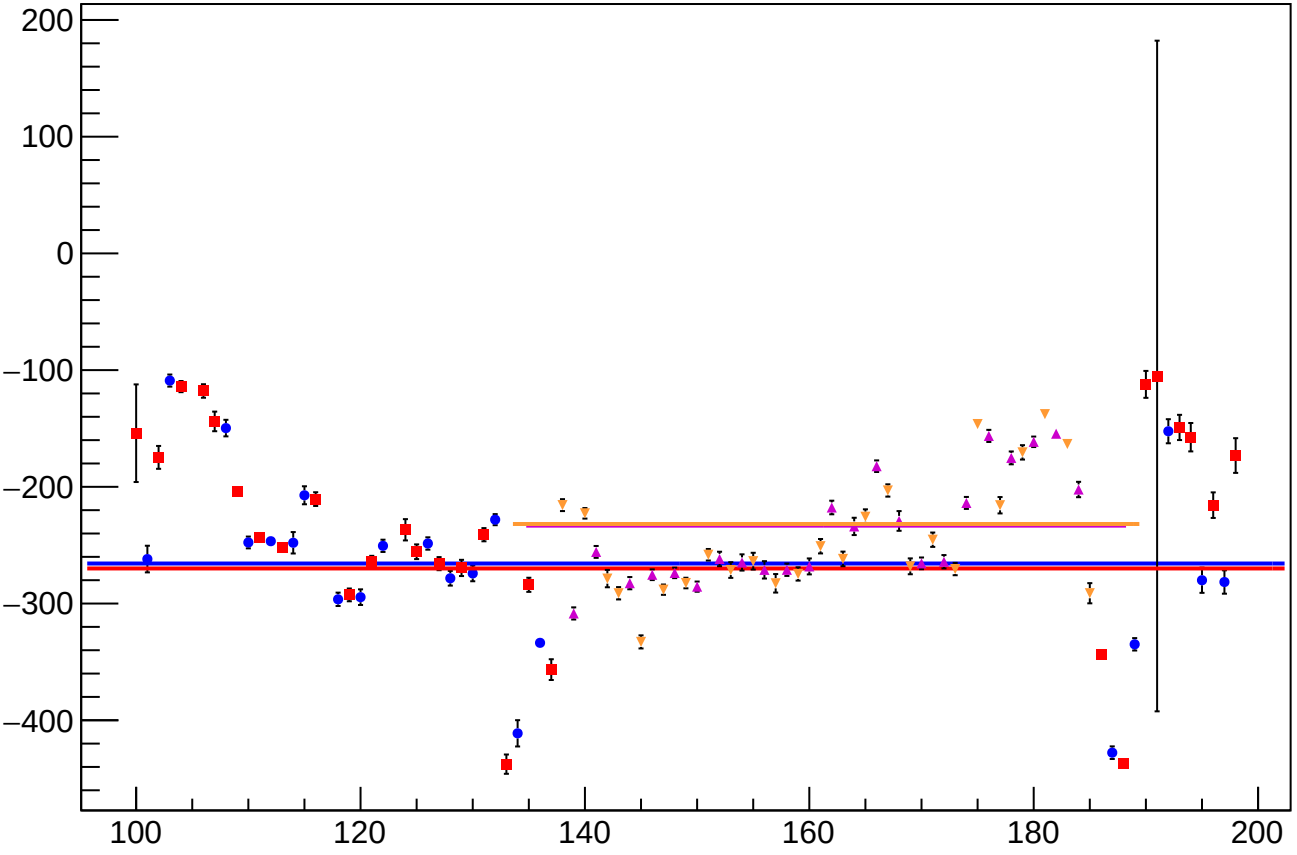
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 115.117+/-0.032 χ^2/NDF: 890321.1/45

All: 115.641+/-0.023 χ^2/NDF: 1601203.0/95

- sign 116.152+/-0.032 χ^2/NDF: 710366.4/49

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -265.711+/-1.312 χ^2/NDF: 3034.6/20

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -269.947+/-1.133 χ^2/NDF: 7250.7/26

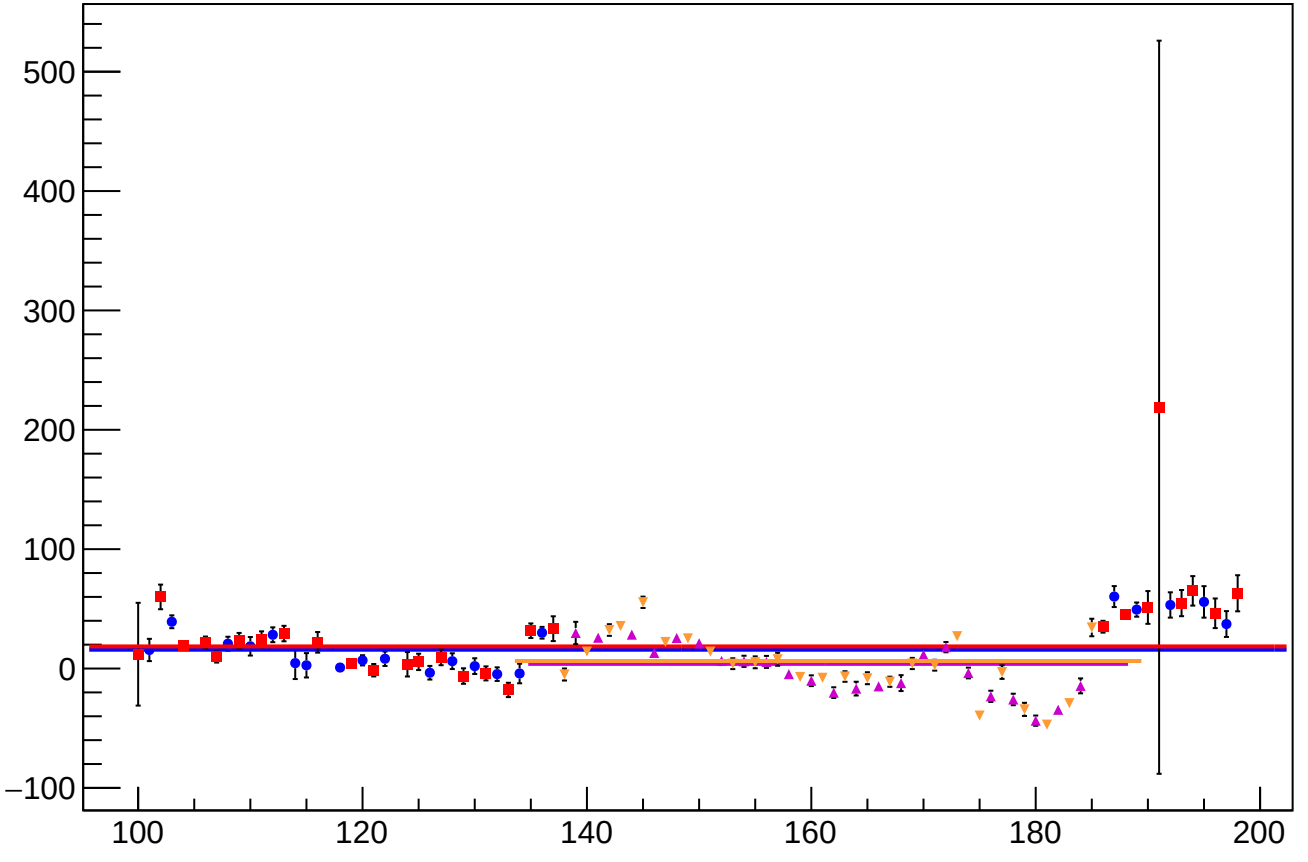
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.528+/-0.834 χ^2/NDF: 6108.3/45

All: -248.505+/-0.574 χ^2/NDF: 15986.5/95

- sign -251.190+/-0.792 χ^2/NDF: 9854.0/49

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 15.784+/-1.378 χ^2/NDF: 179.1/20

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 18.518+/-1.222 χ^2/NDF: 237.5/26

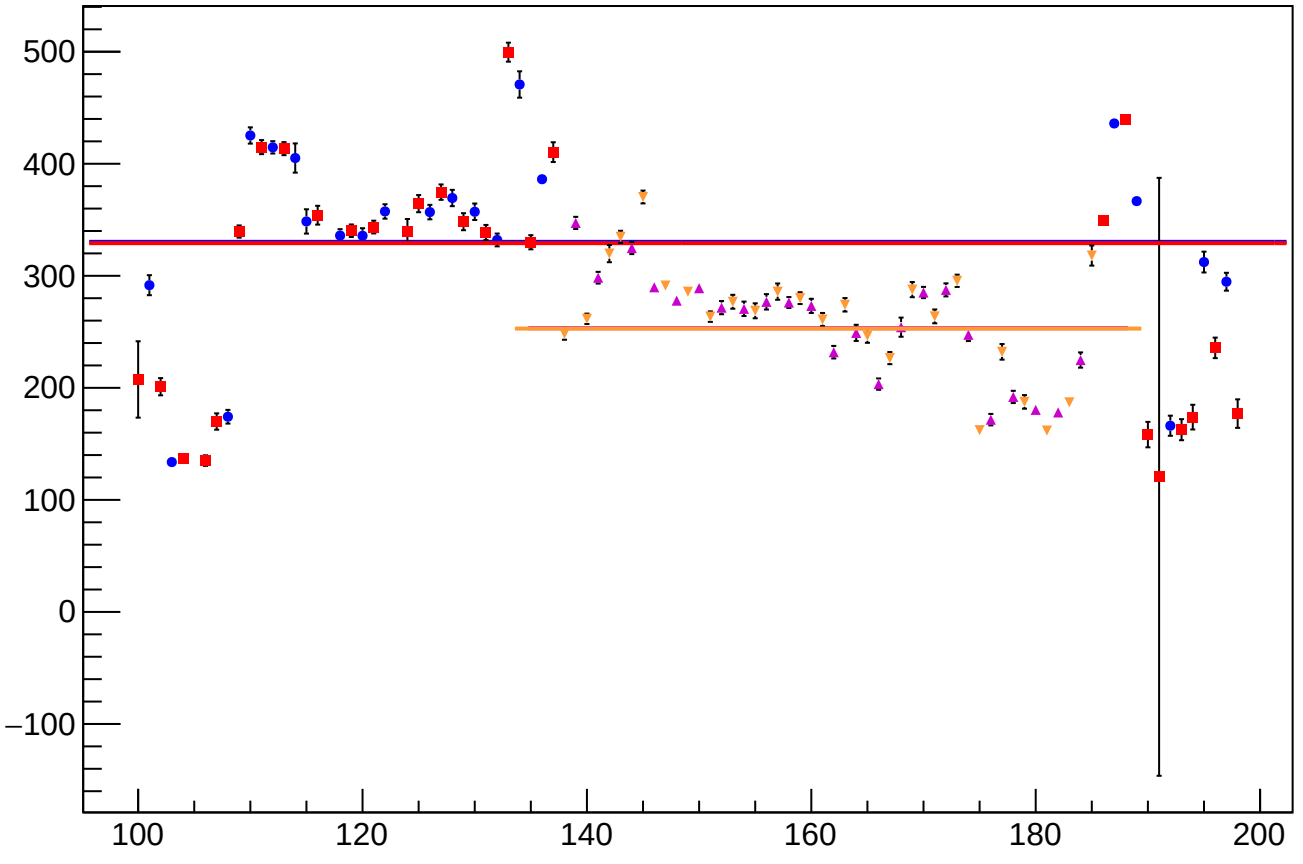
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 8.634+/-0.685 χ^2/NDF: 1086.3/45

All: 8.530+/-0.482 χ^2/NDF: 2072.8/95

- sign 8.427+/-0.680 χ^2/NDF: 986.4/49

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 330.321+/-1.363 χ^2/NDF: 4831.3/20

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 329.124+/-1.130 χ^2/NDF: 9305.0/26

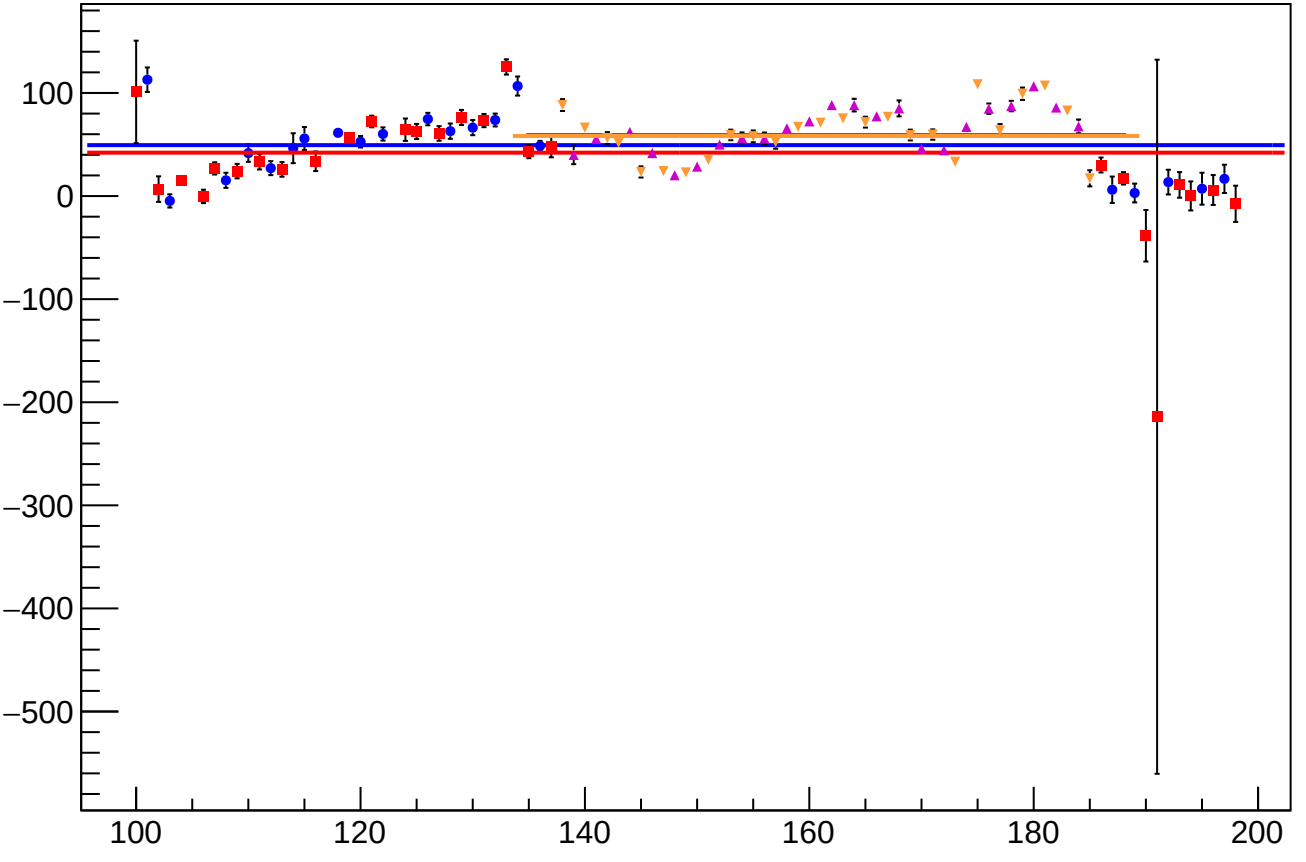
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 282.436+/-0.842 χ^2/NDF: 9407.2/45

All: 286.446+/-0.574 χ^2/NDF: 23143.1/95

- sign 289.939+/-0.786 χ^2/NDF: 13693.4/49

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 49.388+/-1.620 χ^2/NDF: 282.5/20

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 42.103+/-1.472 χ^2/NDF: 394.2/26

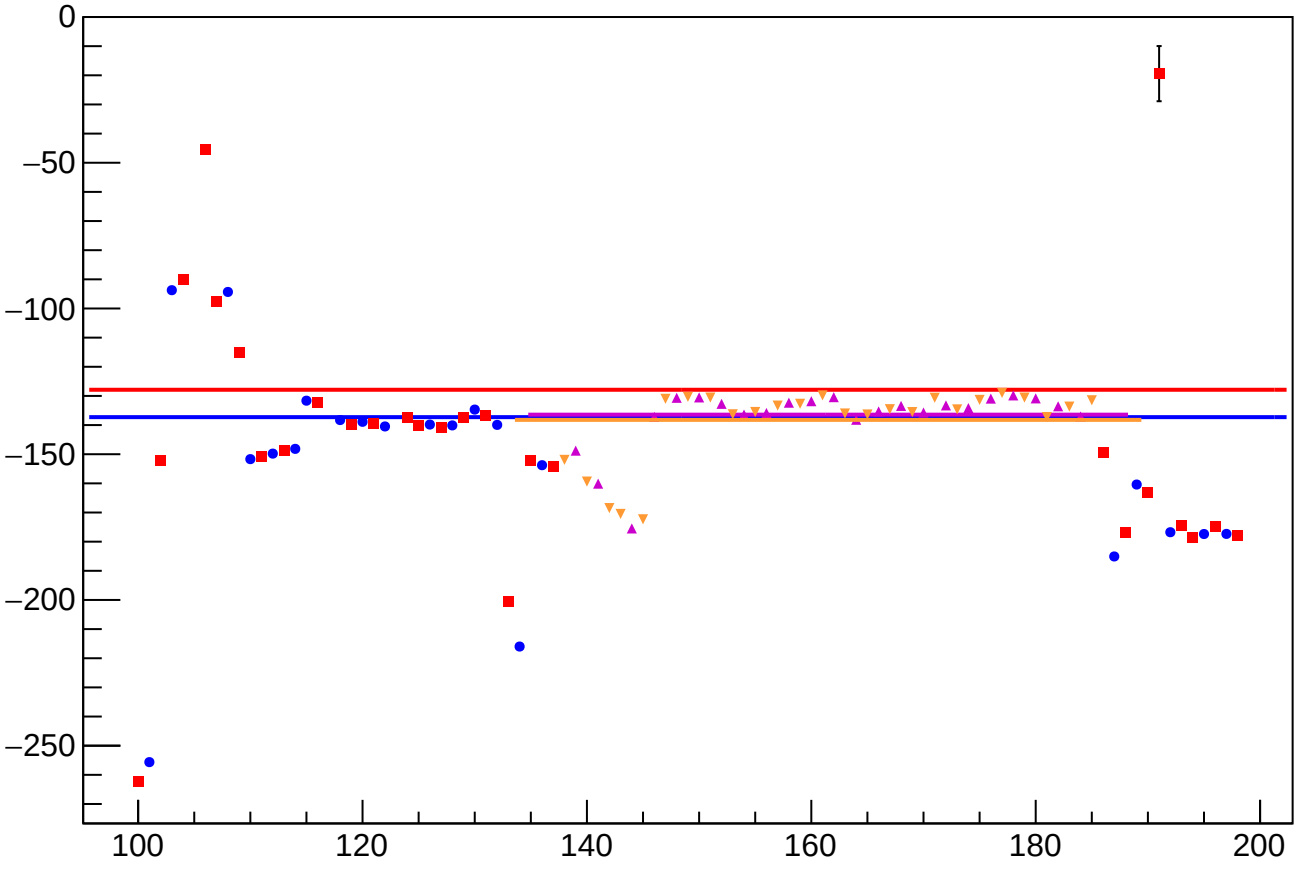
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 56.161+/-0.794 χ^2/NDF: 1155.8/45

All: 55.189+/-0.561 χ^2/NDF: 2280.8/95

- sign 54.224+/-0.791 χ^2/NDF: 1122.0/49

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -137.278+/-0.083 χ^2/NDF: 212585.4/20

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -127.885+/-0.076 χ^2/NDF: 302482.8/26

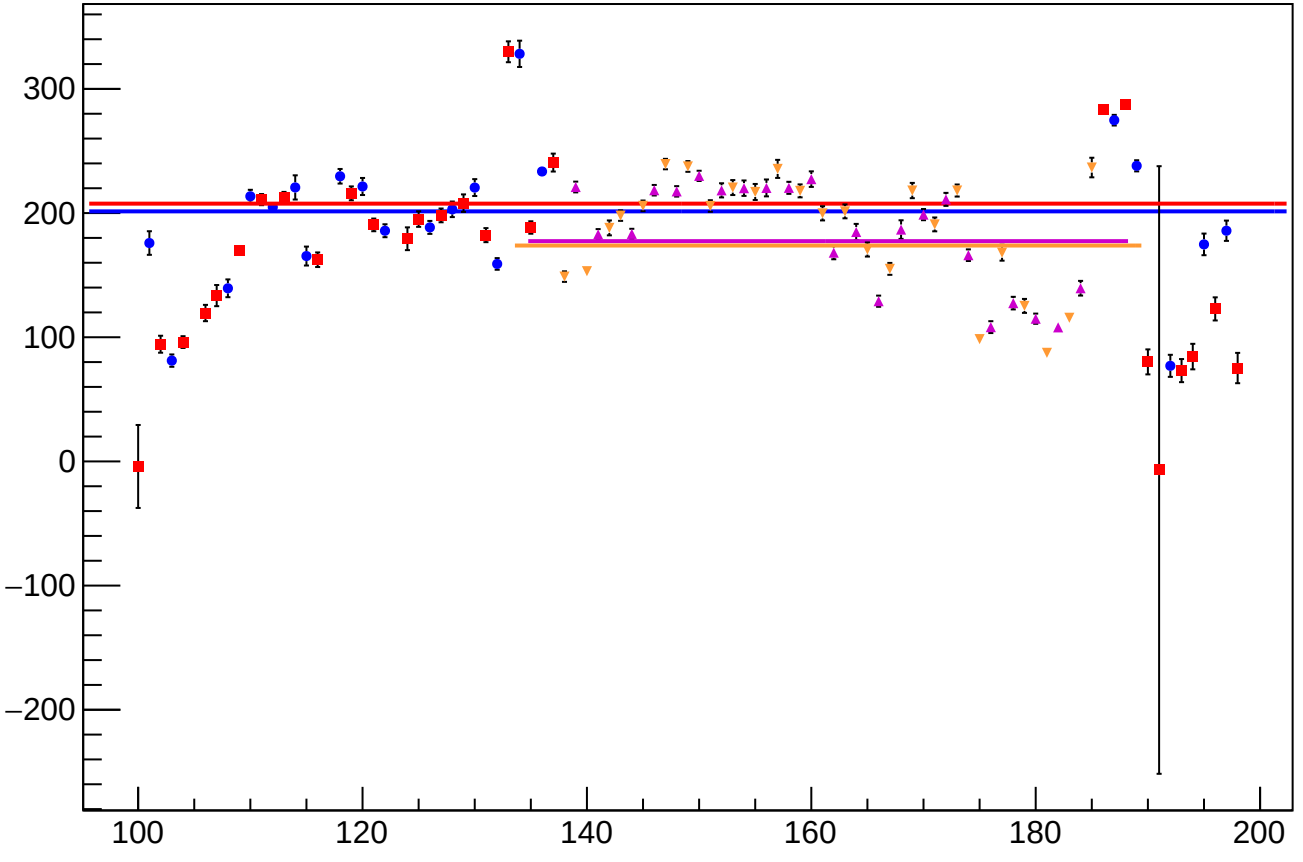
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -138.024+/-0.038 χ^2/NDF: 294514.7/45

All: -136.175+/-0.027 χ^2/NDF: 661045.5/95

- sign -134.376+/-0.037 χ^2/NDF: 361826.7/49

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 201.378+/-1.240 χ^2/NDF: 1630.4/20

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 207.598+/-1.064 χ^2/NDF: 3908.3/26

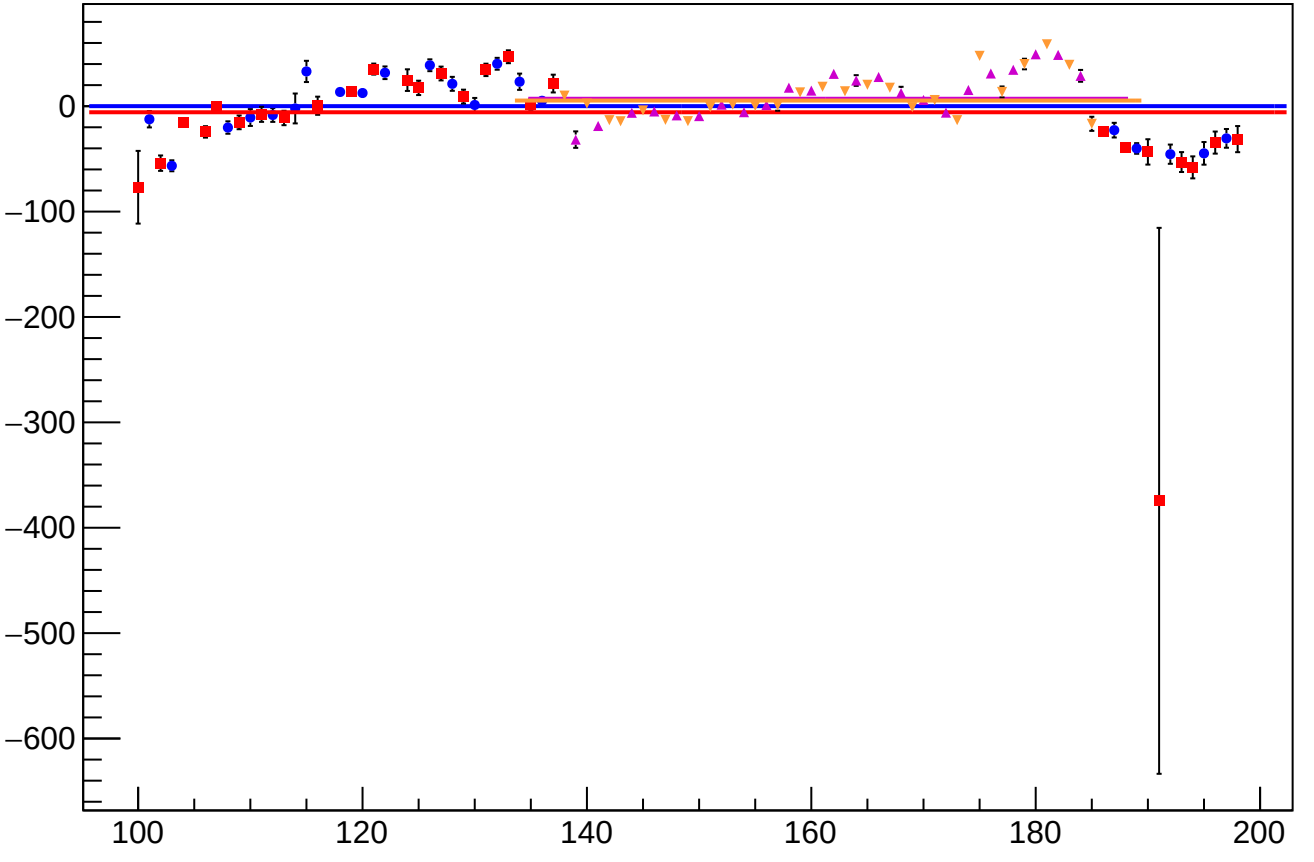
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 184.200+/-0.760 χ^2/NDF: 4565.3/45

All: 188.011+/-0.525 χ^2/NDF: 10914.1/95

- sign 191.497+/-0.727 χ^2/NDF: 6300.7/49

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 0.053+/-1.320 χ^2/NDF: 444.4/20

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -5.747+/-1.167 χ^2/NDF: 551.1/26

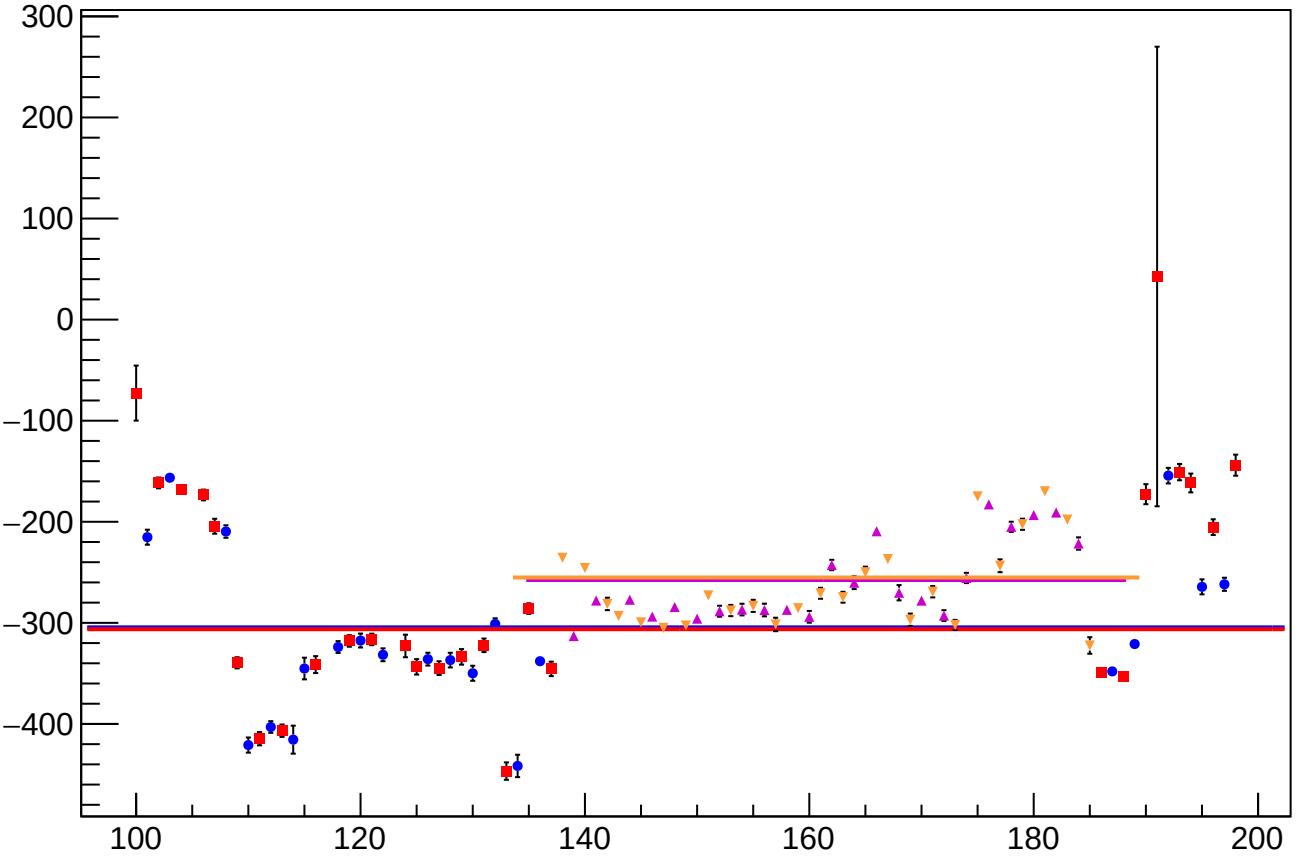
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 4.171+/-0.626 χ^2/NDF: 1266.9/45

All: 3.775+/-0.442 χ^2/NDF: 2614.2/95

- sign 3.380+/-0.626 χ^2/NDF: 1346.5/49

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -304.452+/-1.251 χ^2/NDF: 3408.6/20

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -306.275+/-1.028 χ^2/NDF: 6021.0/26

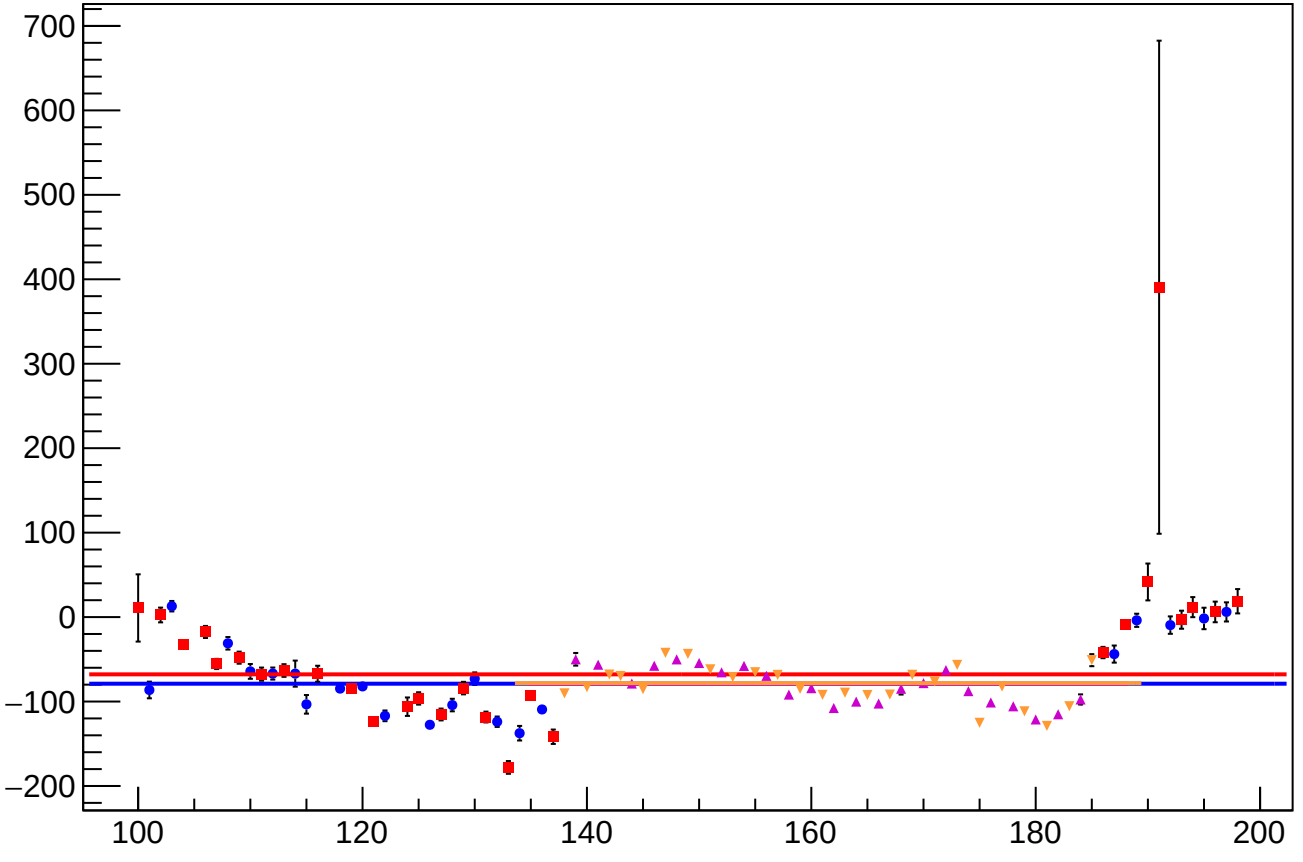
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -273.311+/-0.760 χ^2/NDF: 6734.6/45

All: -277.350+/-0.519 χ^2/NDF: 15785.5/95

- sign -280.889+/-0.711 χ^2/NDF: 8997.9/49

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -78.889+/-1.553 χ^2/NDF: 786.3/20

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -67.806+/-1.413 χ^2/NDF: 1094.1/26

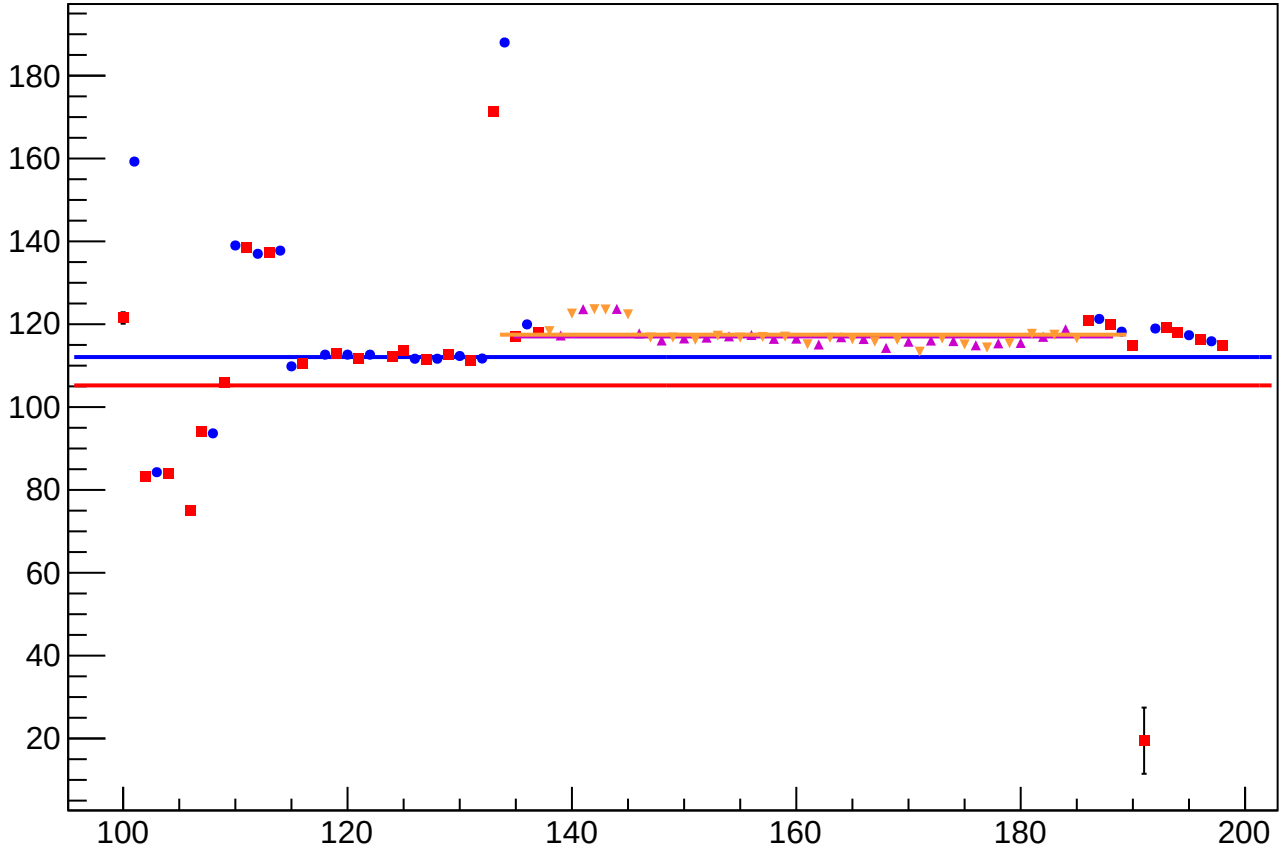
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -78.422+/-0.724 χ^2/NDF: 1654.6/45

All: -77.256+/-0.513 χ^2/NDF: 3503.2/95

- sign -76.080+/-0.728 χ^2/NDF: 1843.4/49

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.071+/-0.077 χ^2/NDF: 85030.2/20

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 105.229+/-0.070 χ^2/NDF: 73663.6/26

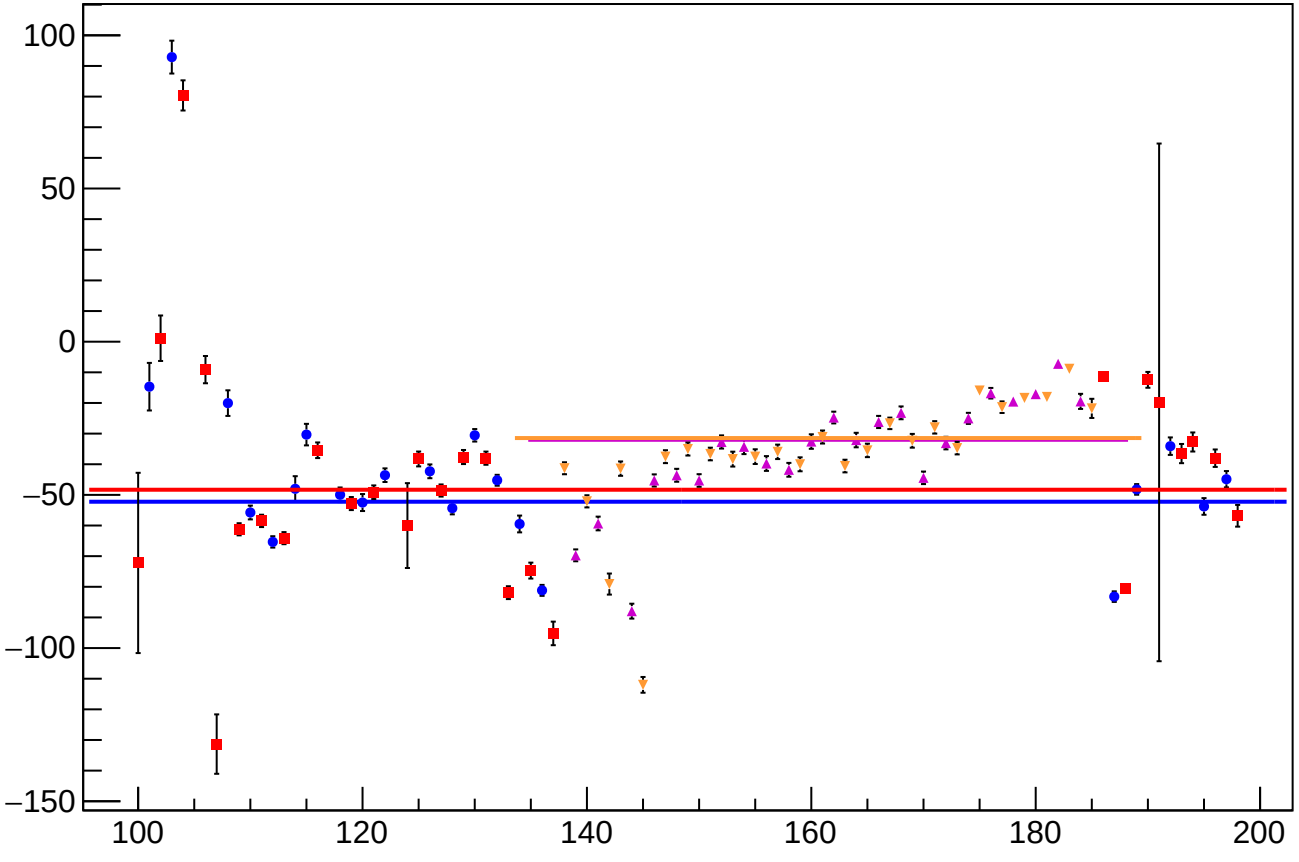
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.422+/-0.034 χ^2/NDF: 93716.2/45

All: 115.356+/-0.024 χ^2/NDF: 194383.1/95

- sign 114.306+/-0.034 χ^2/NDF: 98726.6/49

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -52.235+/-0.516 χ^2/NDF: 1716.0/20

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -48.319+/-0.439 χ^2/NDF: 4137.8/26

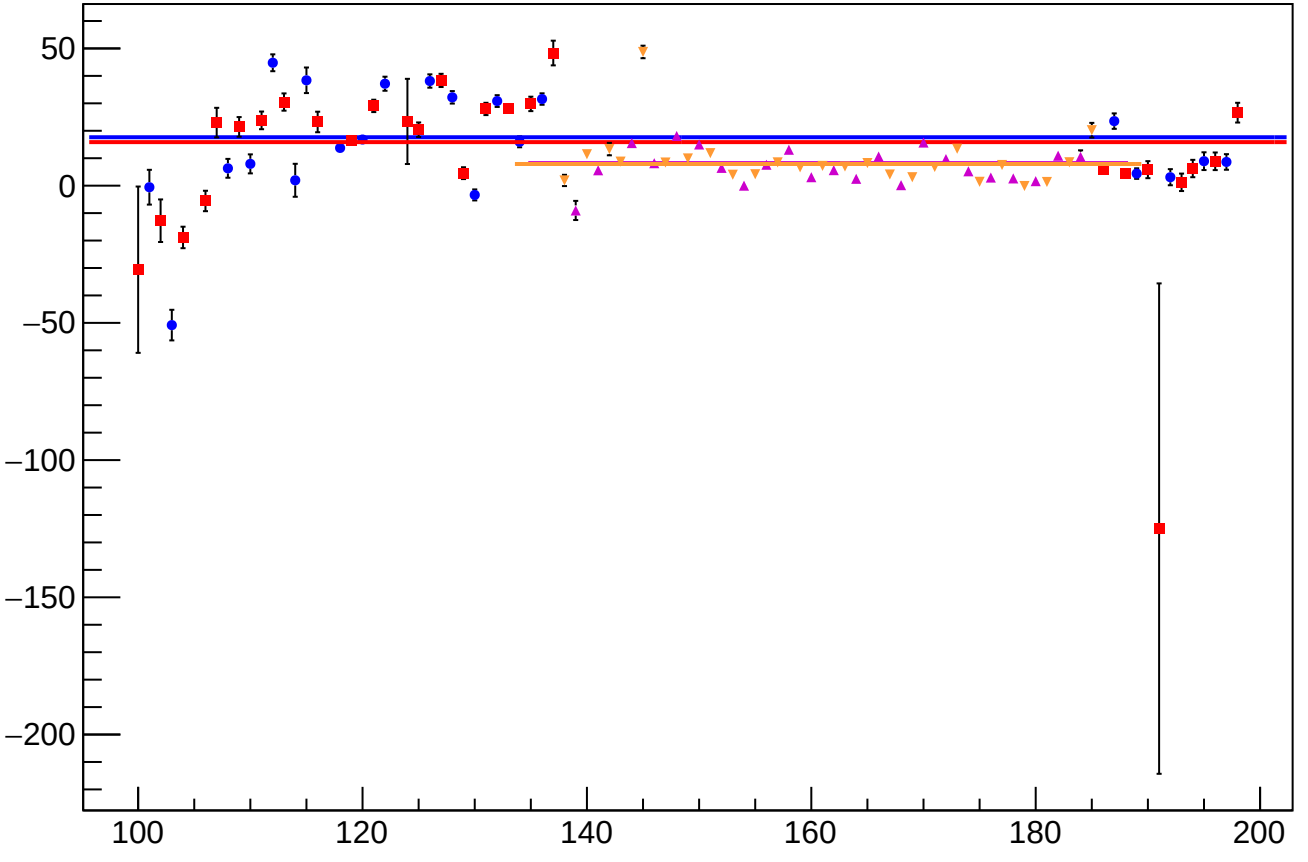
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -39.226+/-0.316 χ^2/NDF: 4723.7/45

All: -39.419+/-0.217 χ^2/NDF: 11513.7/95

- sign -39.592+/-0.299 χ^2/NDF: 6789.3/49

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 17.643+/-0.542 χ^2/NDF: 745.7/20

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 15.867+/-0.489 χ^2/NDF: 674.0/26

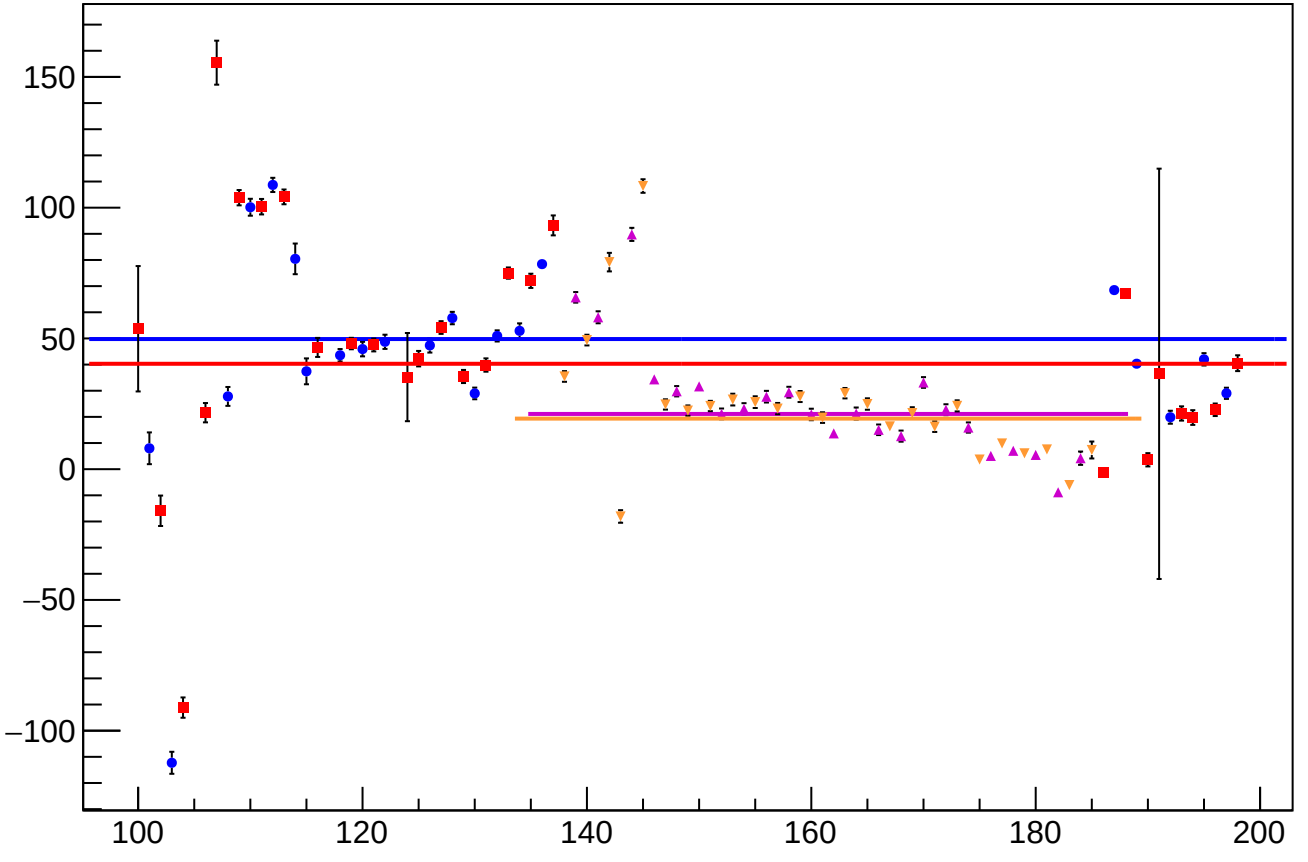
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.227+/-0.265 χ^2/NDF: 1482.2/45

All: 10.348+/-0.187 χ^2/NDF: 2667.9/95

\- sign 10.469+/-0.265 χ^2/NDF: 1185.3/49

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 49.765+/-0.528 χ^2/NDF: 3141.4/20

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 40.307+/-0.420 χ^2/NDF: 7411.0/26

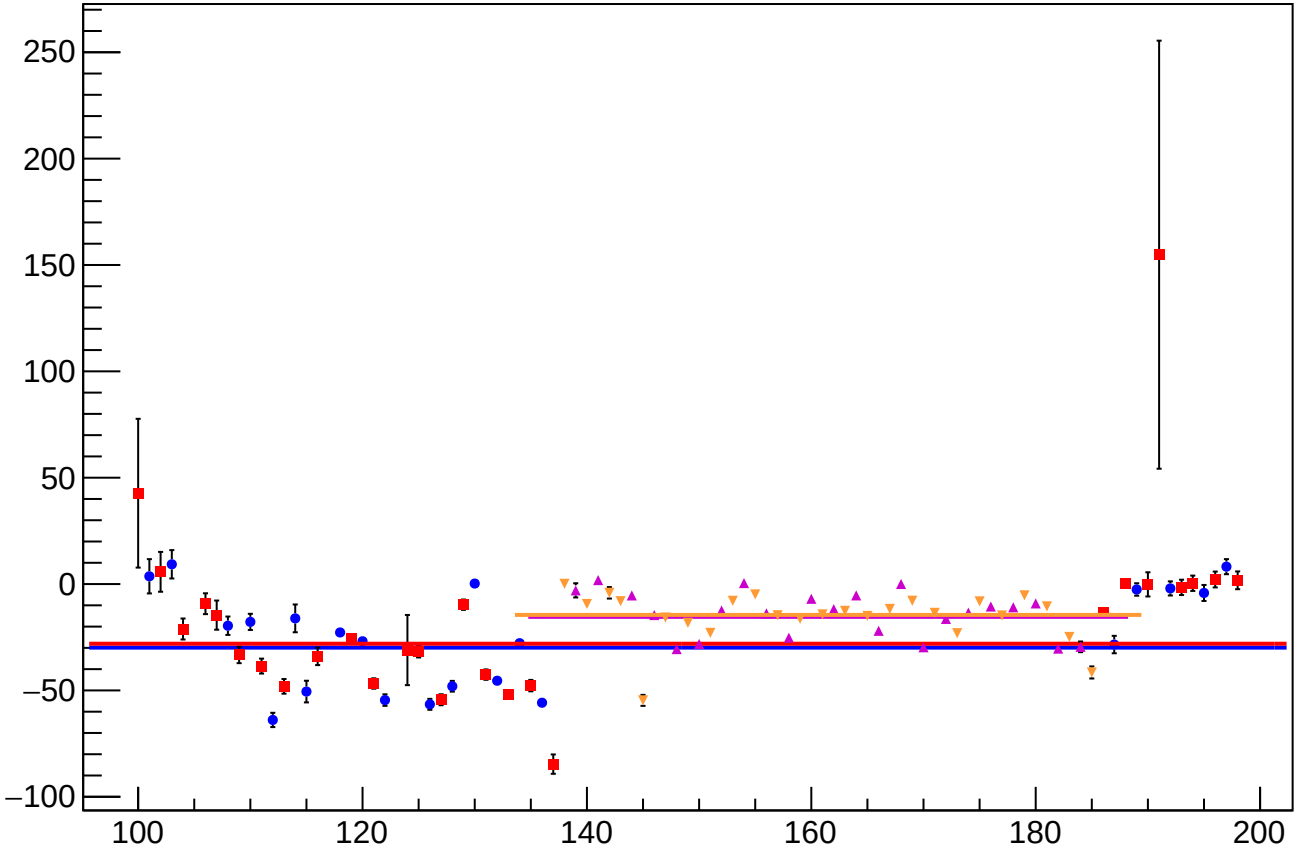
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 30.270+/-0.317 χ^2/NDF: 7949.1/45

All: 30.314+/-0.214 χ^2/NDF: 18945.4/95

\- sign 30.352+/-0.292 χ^2/NDF: 10996.2/49

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -29.877+/-0.638 χ^2/NDF: 1148.9/20

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -28.050+/-0.599 χ^2/NDF: 1223.3/26

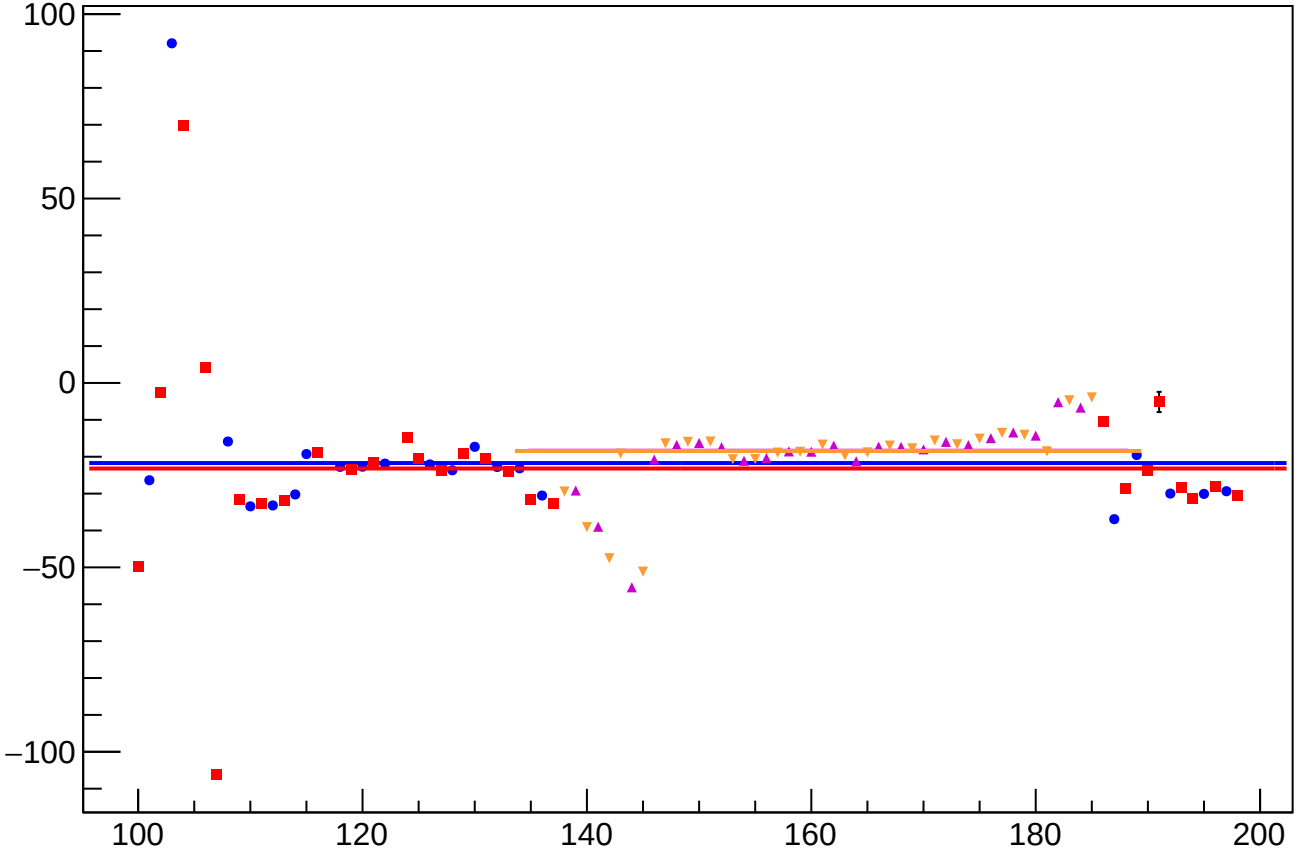
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.966+/-0.303 χ^2/NDF: 2240.1/45

All: -18.334+/-0.215 χ^2/NDF: 4594.4/95

- sign -18.708+/-0.306 χ^2/NDF: 2351.3/49

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.714+/-0.034 χ^2/NDF: 454687.0/20

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -23.196+/-0.032 χ^2/NDF: 377131.8/26

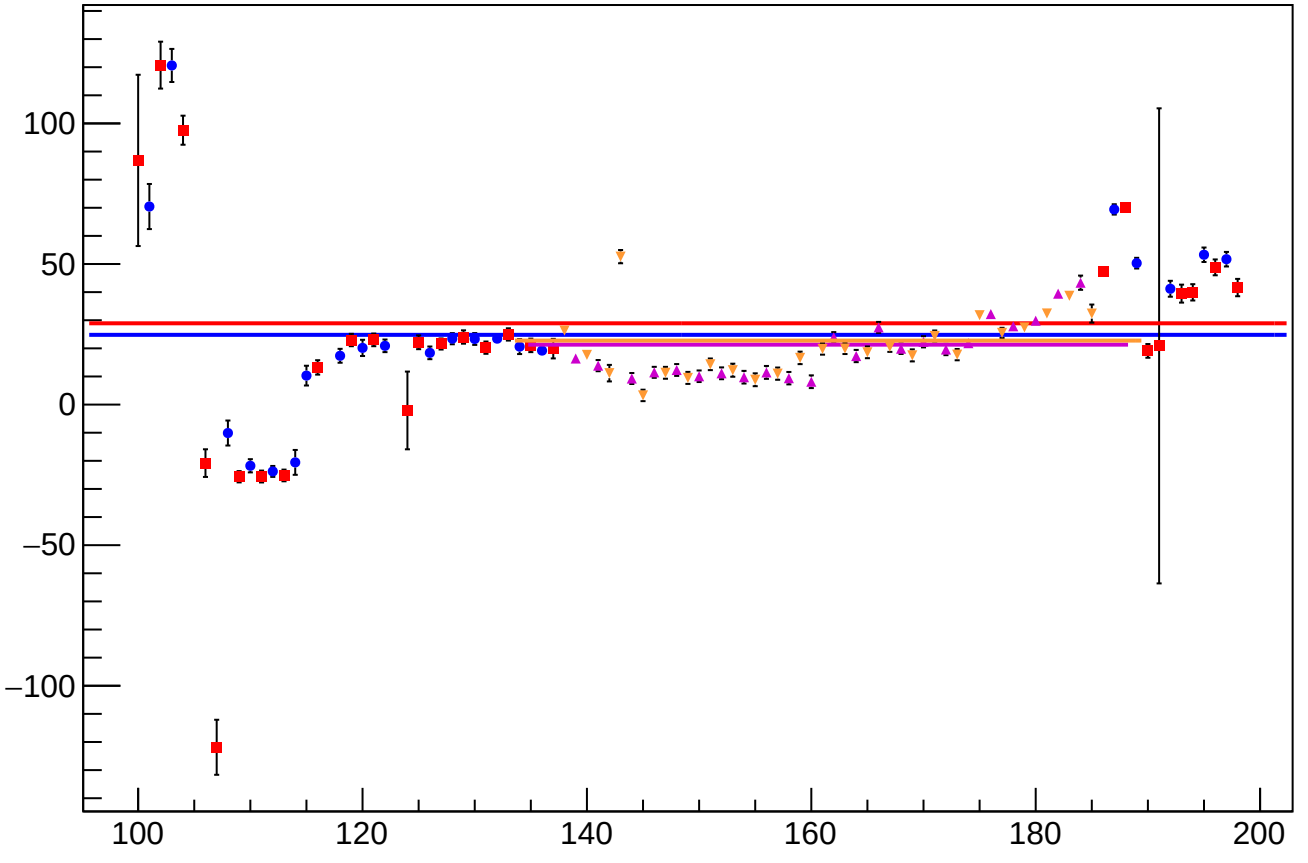
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.004+/-0.014 χ^2/NDF: 757596.7/45

All: -19.153+/-0.010 χ^2/NDF: 1402943.2/95

- sign -19.303+/-0.014 χ^2/NDF: 645123.4/49

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 24.809+/-0.524 χ^2/NDF: 2567.8/20

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 28.913+/-0.460 χ^2/NDF: 4622.8/26

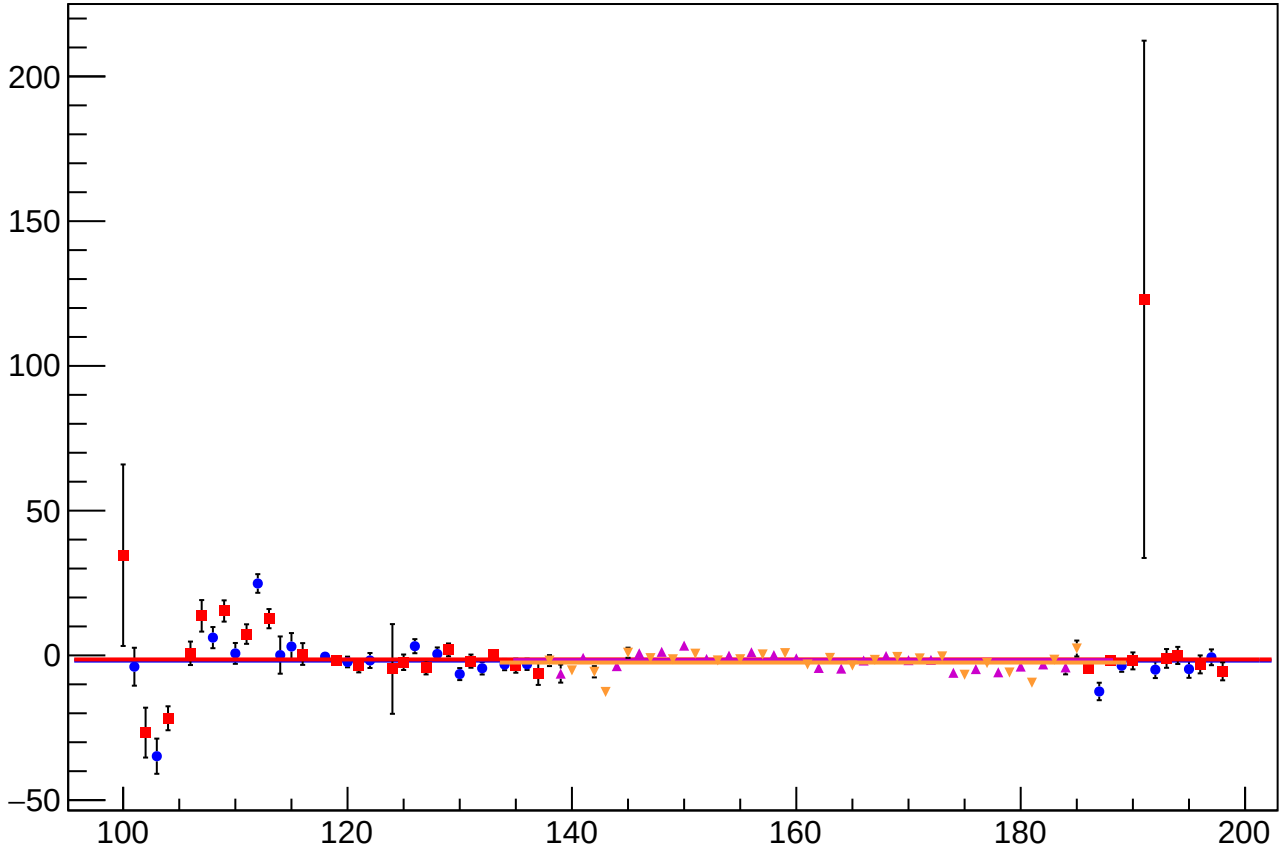
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

\+ sign 23.477+/-0.309 χ^2/NDF: 3300.5/45

All: 24.020+/-0.215 χ^2/NDF: 8716.7/95

\- sign 24.527+/-0.299 χ^2/NDF: 5410.2/49

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.803+/-0.550 χ^2/NDF: 133.6/20

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.401+/-0.510 χ^2/NDF: 103.6/26

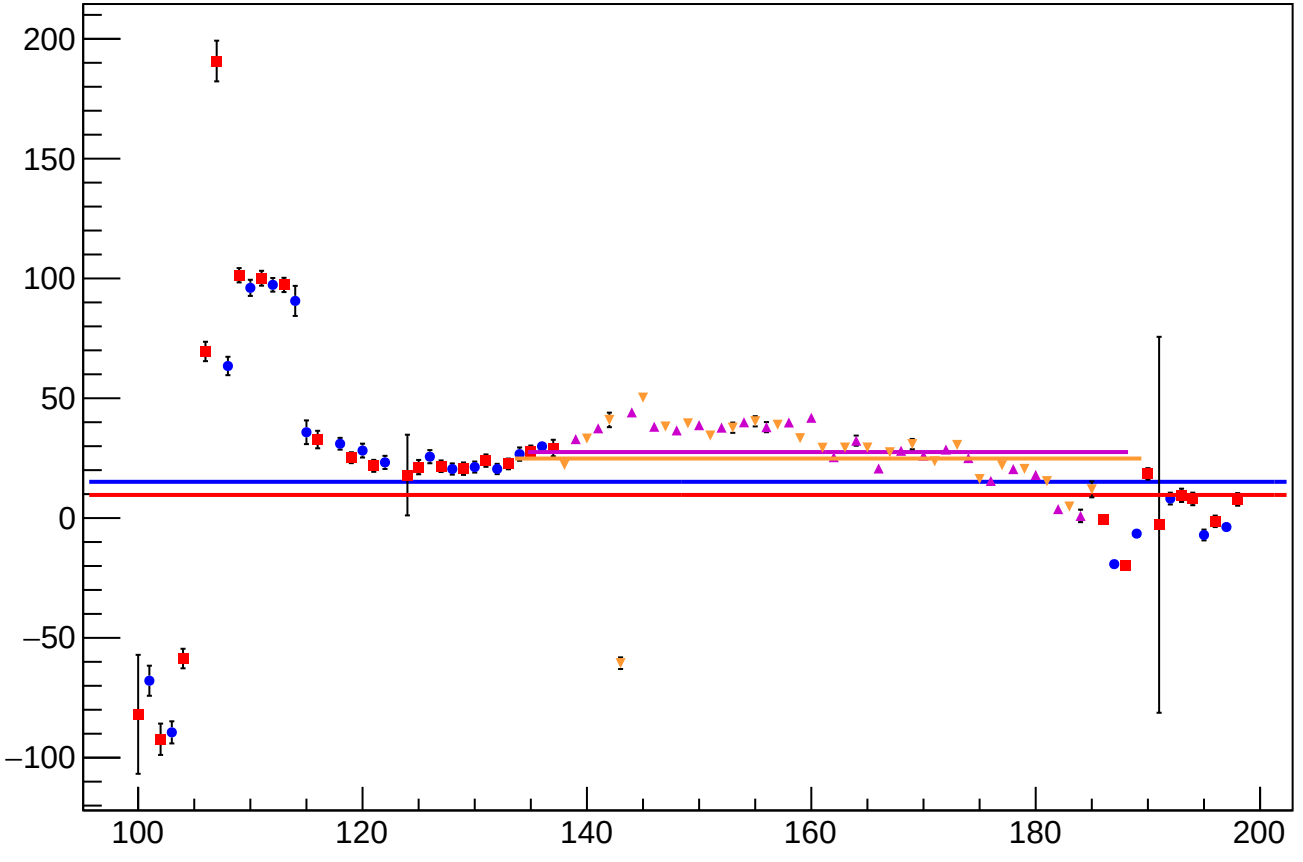
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.321+/-0.259 χ^2/NDF: 251.4/45

All: -1.960+/-0.184 χ^2/NDF: 429.3/95

- sign -1.592+/-0.261 χ^2/NDF: 174.0/49

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 15.130+/-0.539 χ^2/NDF: 3498.6/20

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.648+/-0.447 χ^2/NDF: 5479.5/26

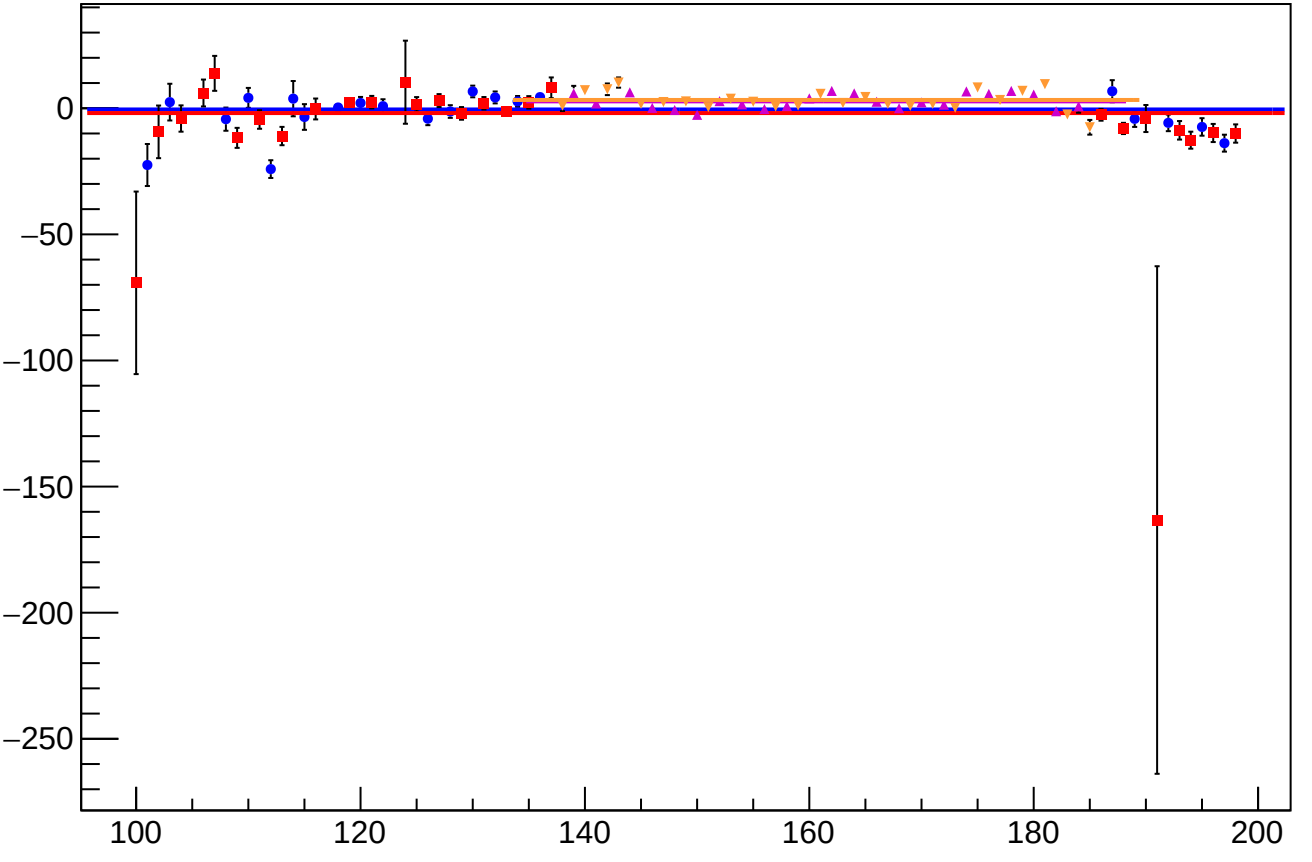
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 21.624+/-0.310 χ^2/NDF: 5764.6/45

All: 20.686+/-0.213 χ^2/NDF: 13055.2/95

- sign 19.848+/-0.294 χ^2/NDF: 7273.3/49

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.479+/-0.642 χ^2/NDF: 107.5/20

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -1.905+/-0.616 χ^2/NDF: 83.3/26

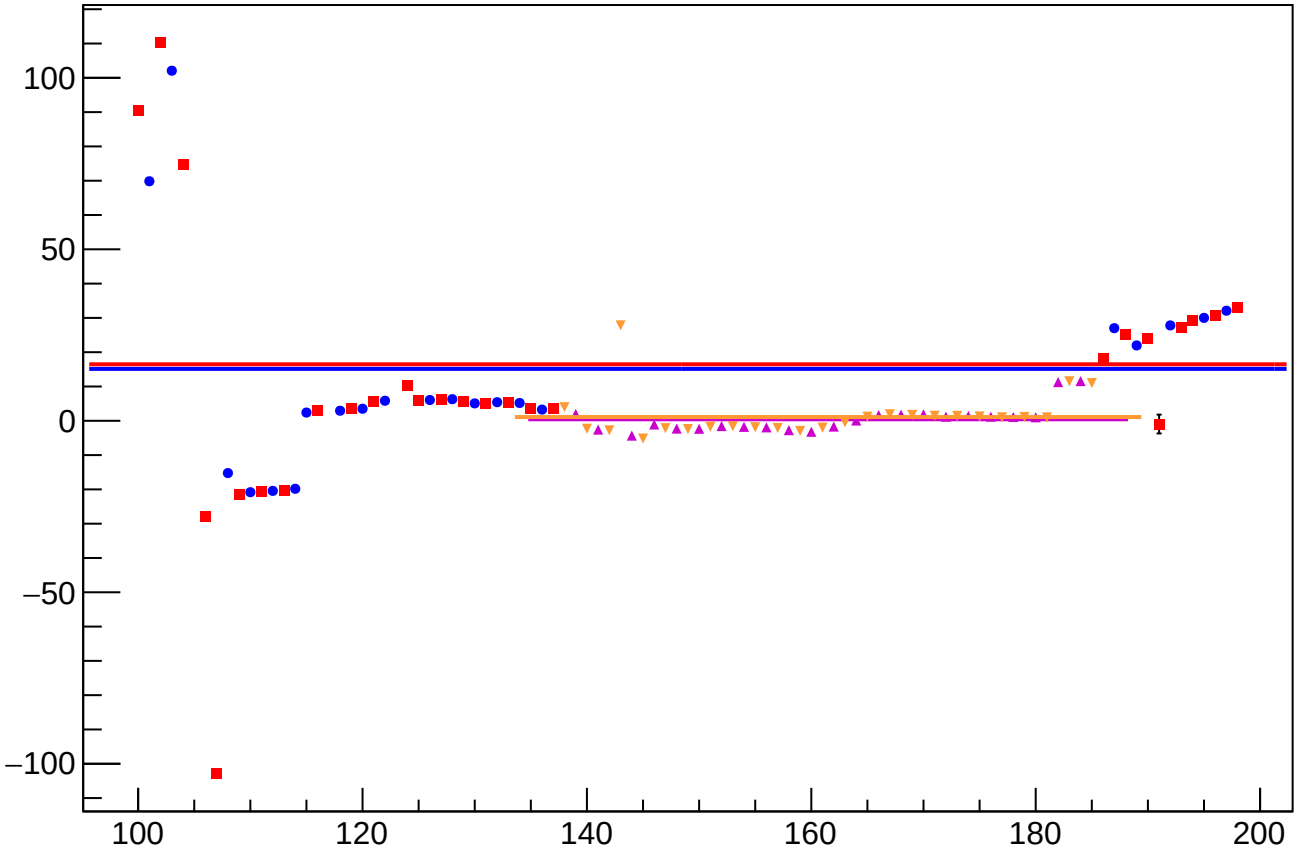
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.494+/-0.294 χ^2/NDF: 240.9/45

All: 2.073+/-0.210 χ^2/NDF: 446.1/95

- sign 1.638+/-0.299 χ^2/NDF: 201.0/49

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 15.128+/-0.034 χ^2/NDF: 422255.4/20

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 16.473+/-0.032 χ^2/NDF: 578439.8/26

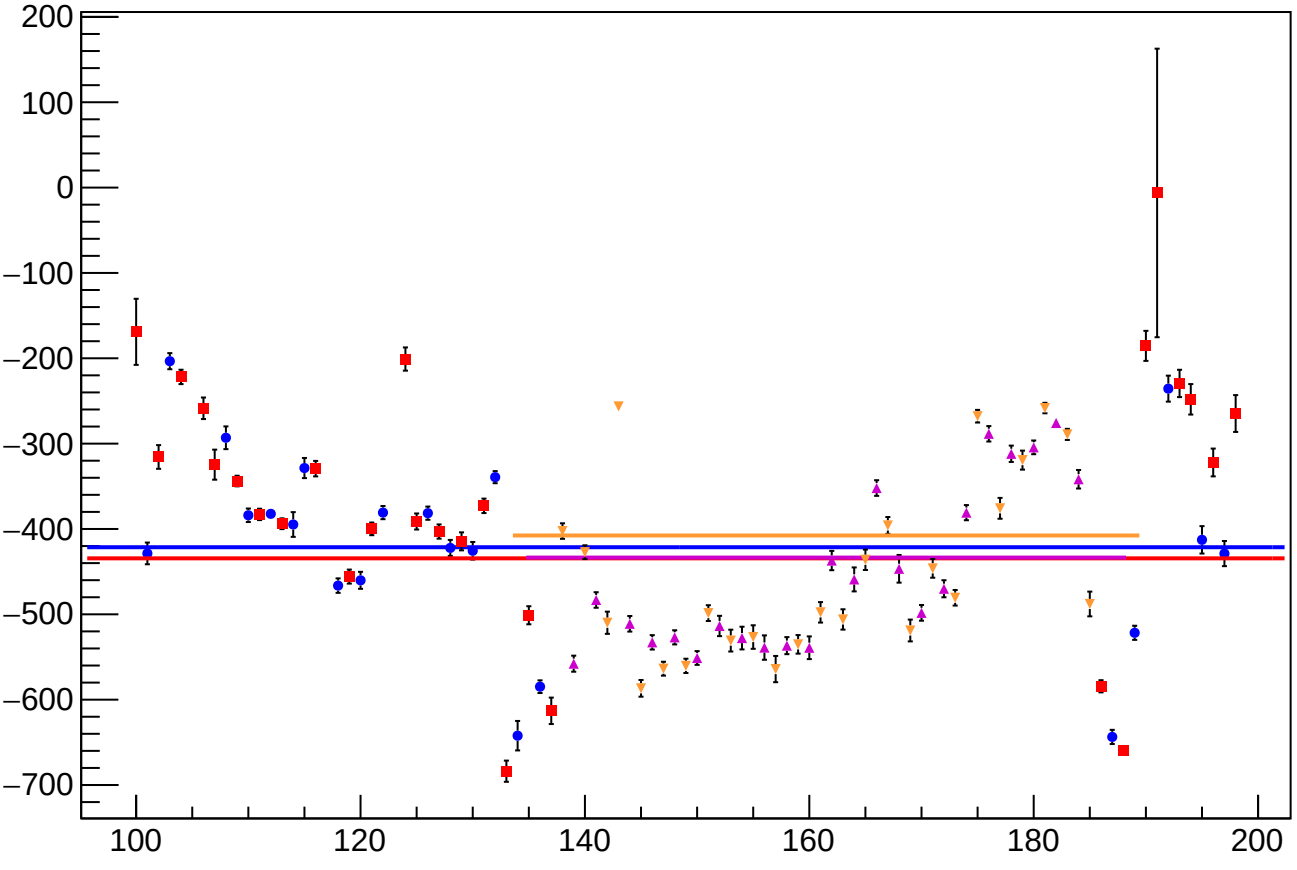
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 3.380+/-0.014 χ^2/NDF: 696746.7/45

All: 3.355+/-0.010 χ^2/NDF: 1531935.9/95

- sign 3.329+/-0.014 χ^2/NDF: 835182.4/49

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -421.390+/-2.033 χ^2/NDF: 2651.6/20

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -434.419+/-1.798 χ^2/NDF: 6090.4/26

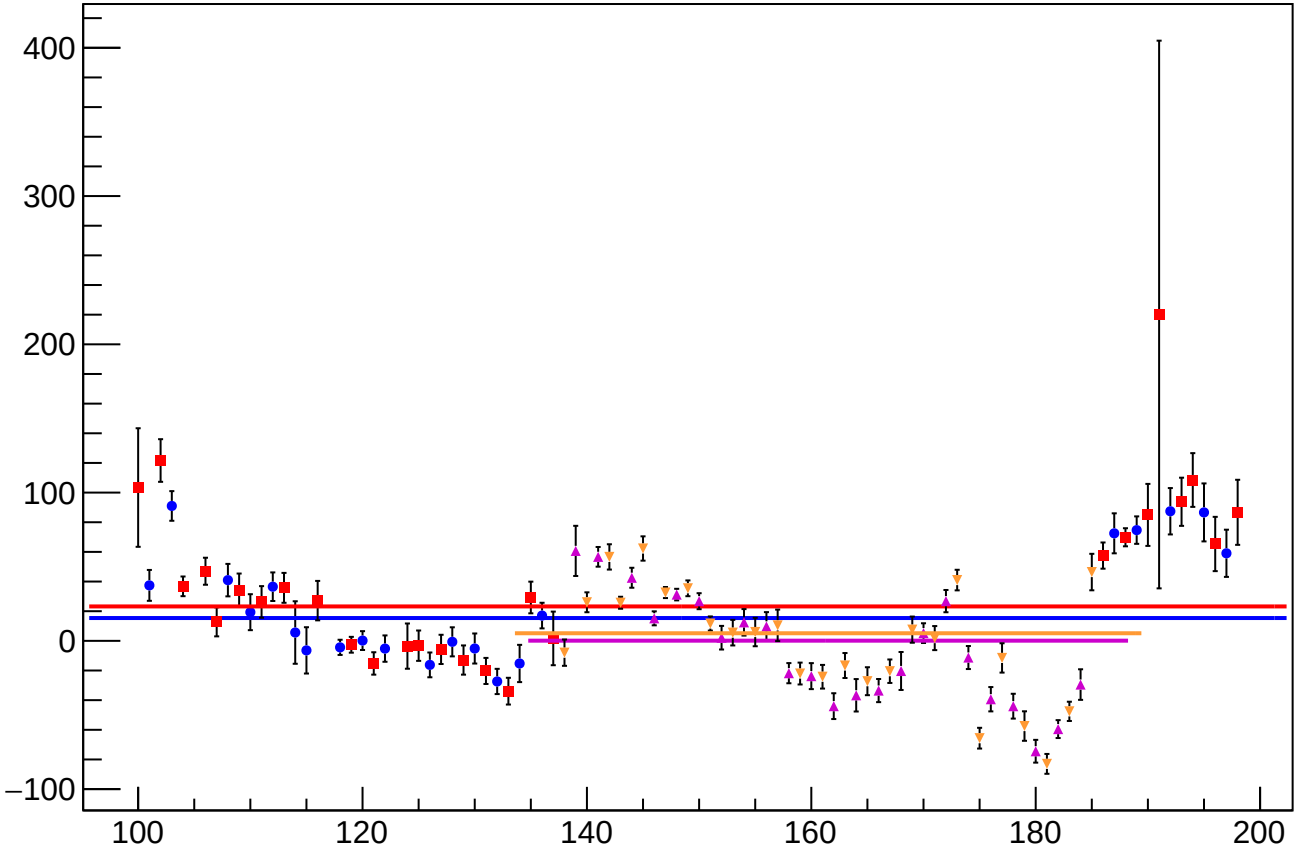
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -413.923+/-1.376 χ^2/NDF: 6682.1/45

All: -424.270+/-0.958 χ^2/NDF: 15607.1/95

- sign -434.020+/-1.335 χ^2/NDF: 8815.1/49

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.391+/-2.118 χ^2/NDF: 253.5/20

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 23.215+/-1.957 χ^2/NDF: 351.4/26

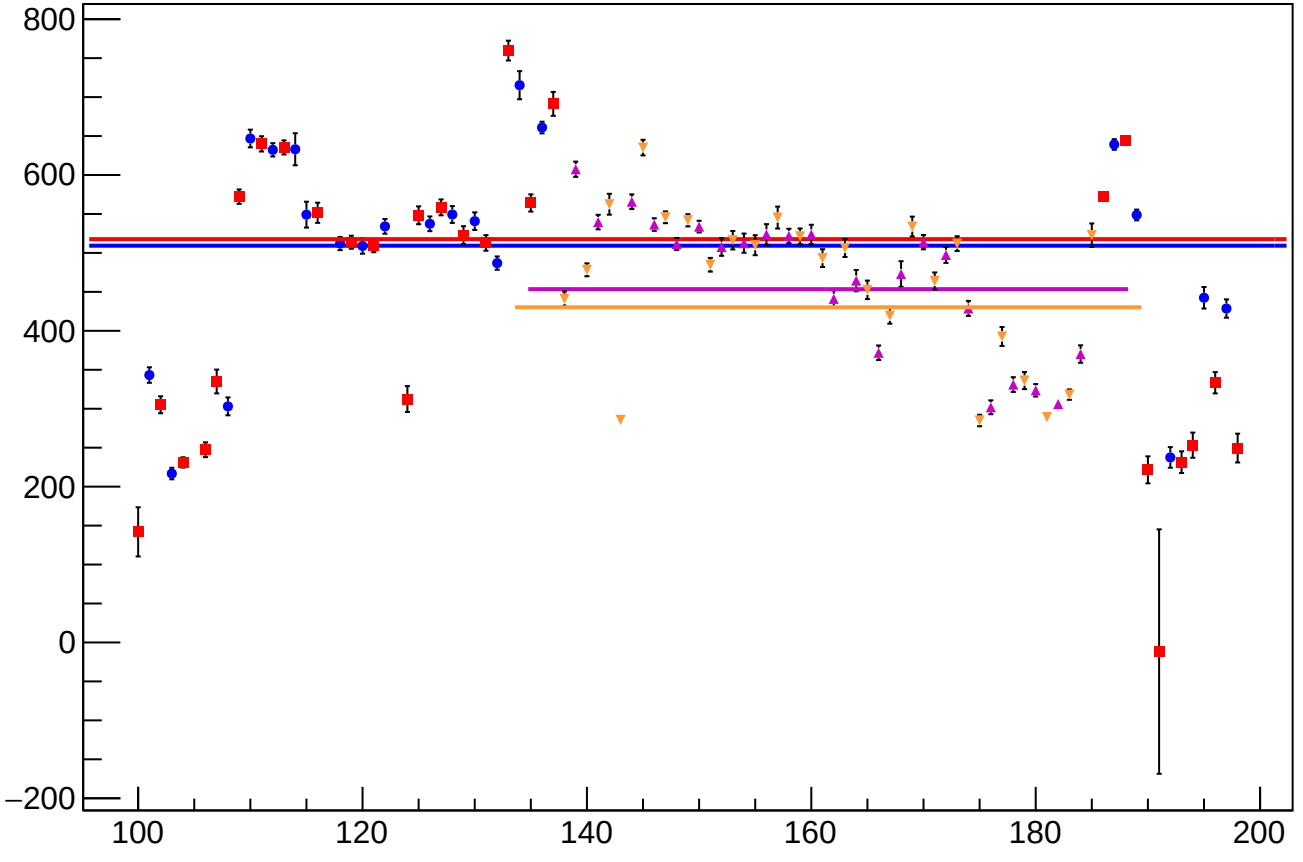
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

\+ sign 8.180+/-1.155 χ^2/NDF: 959.1/45

All: 8.381+/-0.827 χ^2/NDF: 1967.3/95

\- sign 8.593+/-1.185 χ^2/NDF: 1008.1/49

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 509.262+/-2.125 χ^2/NDF: 4030.4/20

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 517.698+/-1.809 χ^2/NDF: 7161.8/26

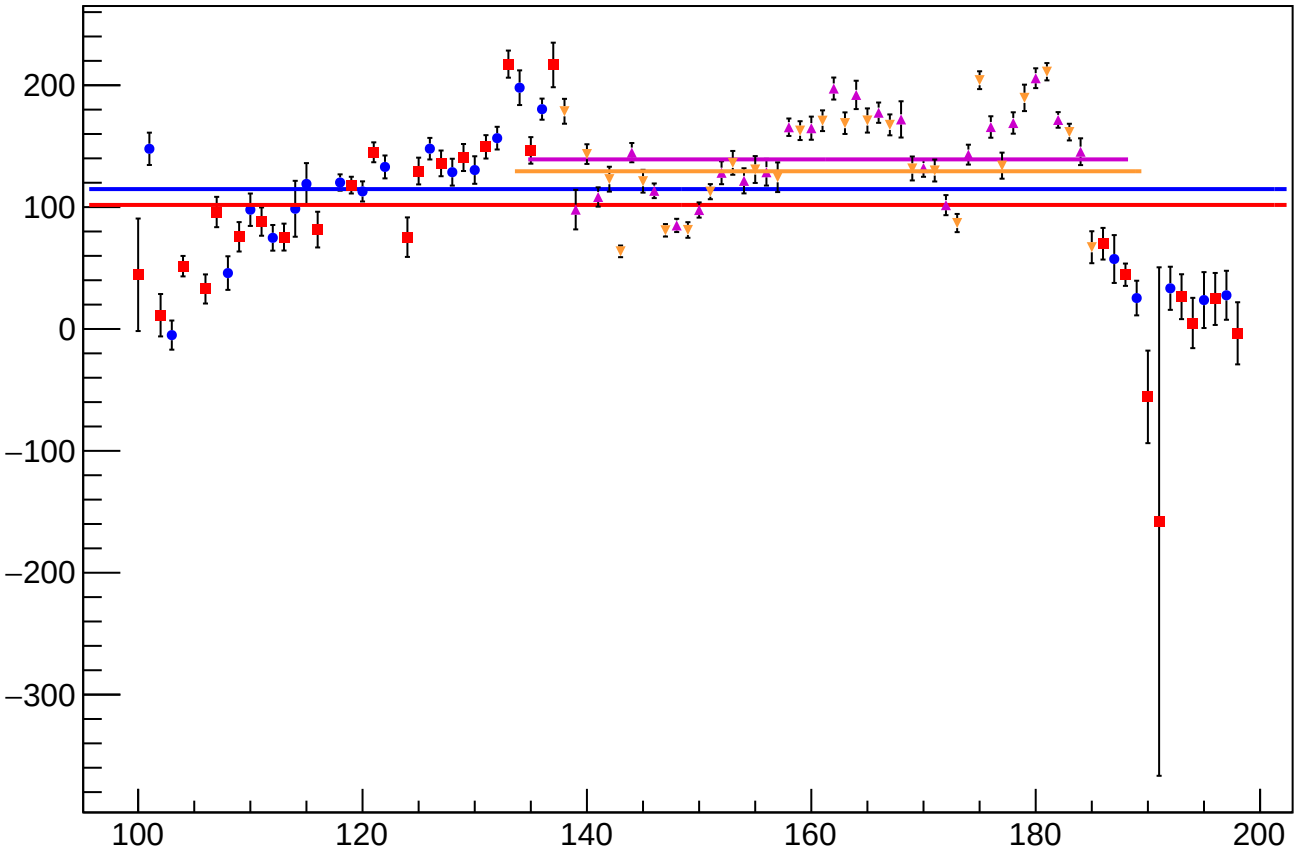
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 464.545+/-1.400 χ^2/NDF: 8218.3/45

All: 477.042+/-0.966 χ^2/NDF: 18526.6/95

- sign 488.384+/-1.334 χ^2/NDF: 10156.3/49

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 114.784+/-2.500 χ^2/NDF: 385.8/20

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 101.788+/-2.344 χ^2/NDF: 498.7/26

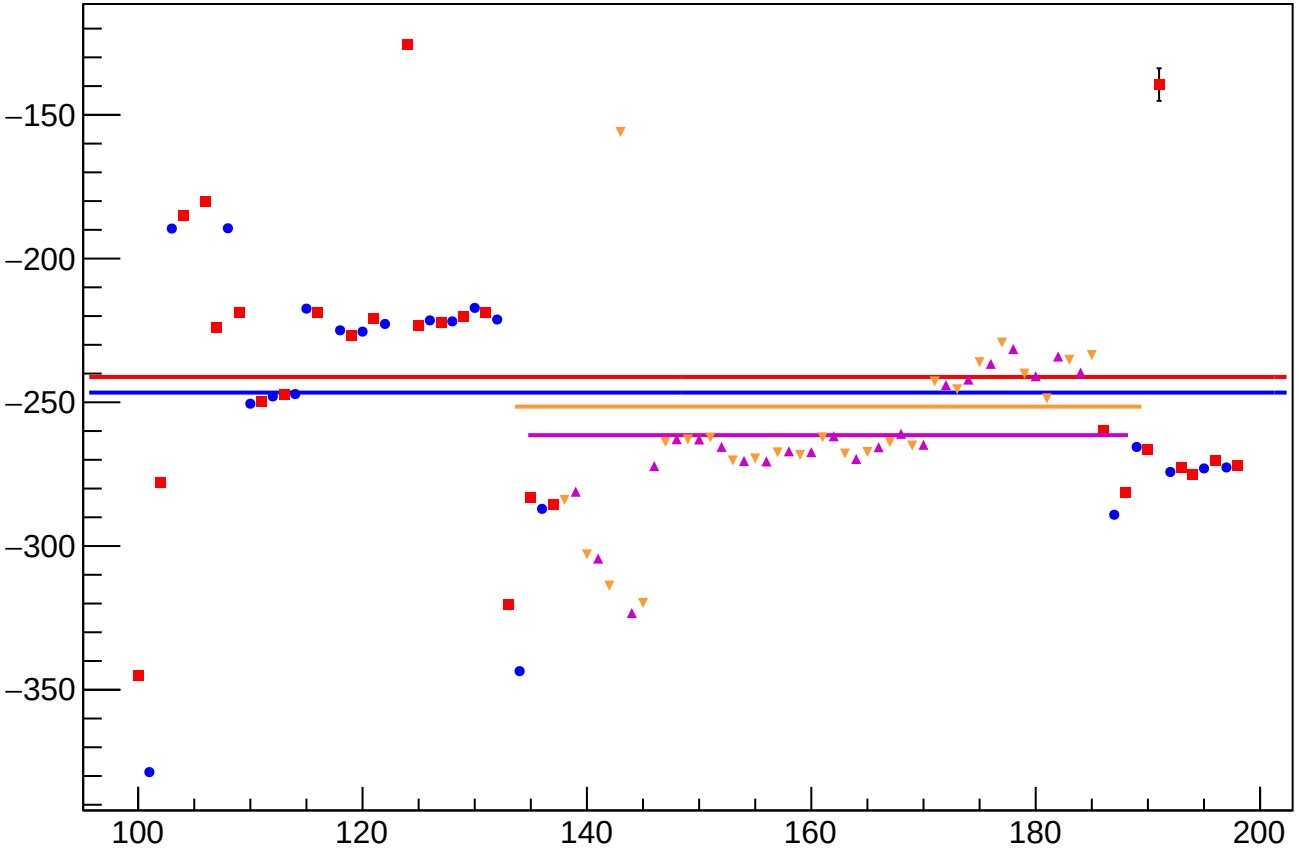
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 125.194+/-1.343 χ^2/NDF: 1224.4/45

All: 125.699+/-0.962 χ^2/NDF: 2323.9/95

- sign 126.232+/-1.379 χ^2/NDF: 1099.2/49

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -246.620+/-0.135 χ^2/NDF: 143414.0/20

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -241.189+/-0.127 χ^2/NDF: 106706.3/26

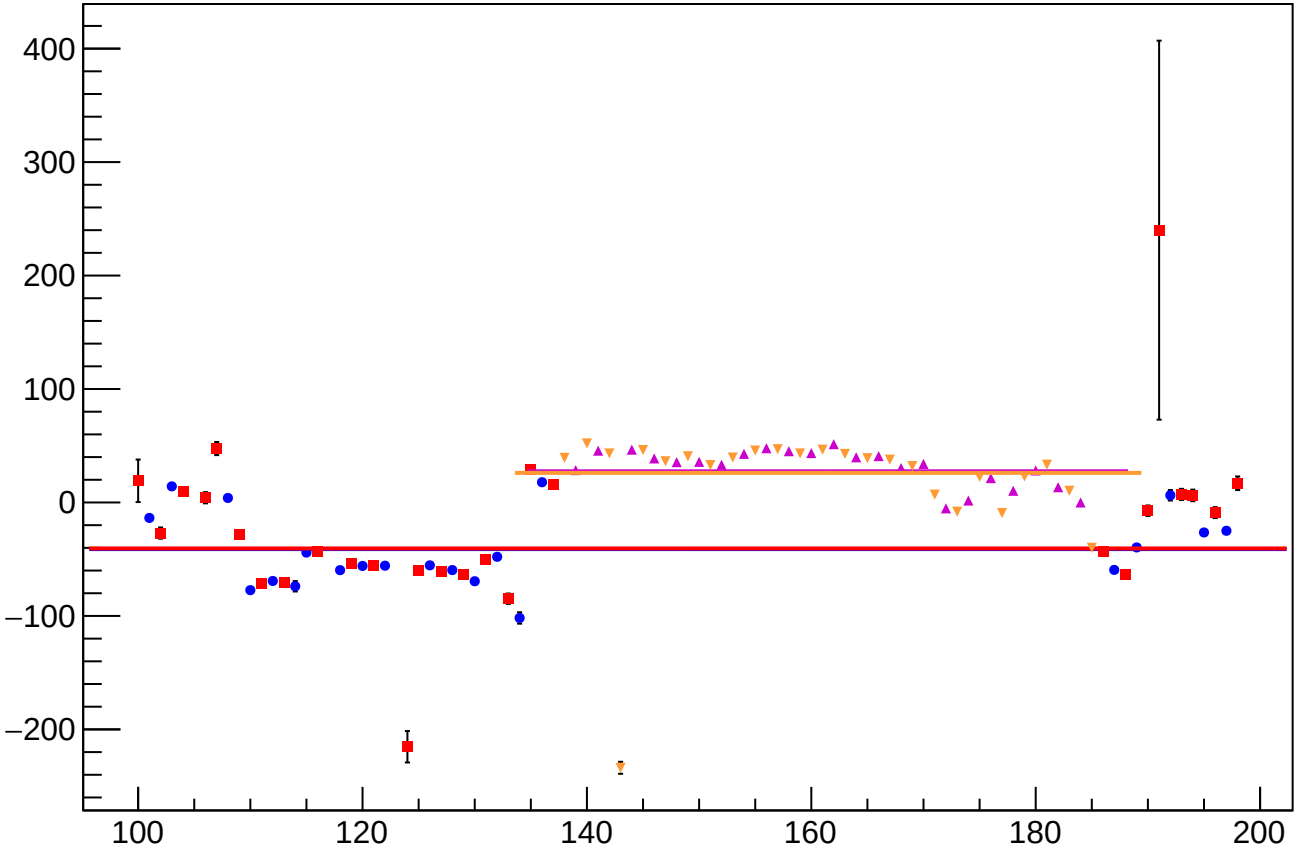
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -250.371+/-0.065 χ^2/NDF: 399337.0/45

All: -253.079+/-0.047 χ^2/NDF: 597628.6/95

- sign -255.868+/-0.066 χ^2/NDF: 194806.5/49

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.078+/-0.654 χ^2/NDF: 2585.2/20

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -40.542+/-0.562 χ^2/NDF: 3084.3/26

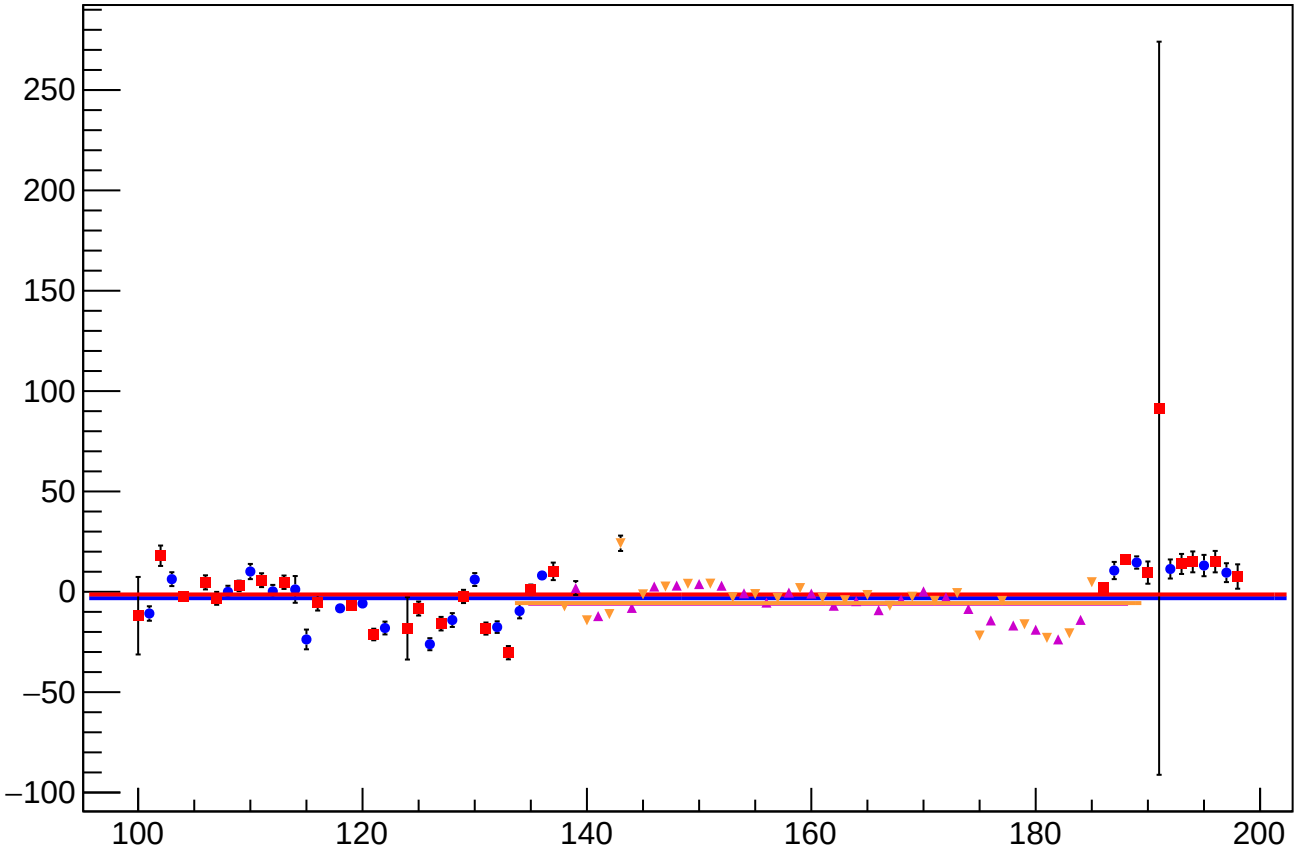
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.485+/-0.335 χ^2/NDF: 15155.5/45

All: 6.637+/-0.233 χ^2/NDF: 29700.1/95

- sign 4.910+/-0.324 χ^2/NDF: 14485.7/49

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -3.182+/-0.699 χ^2/NDF: 277.9/20

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -1.321+/-0.638 χ^2/NDF: 330.3/26

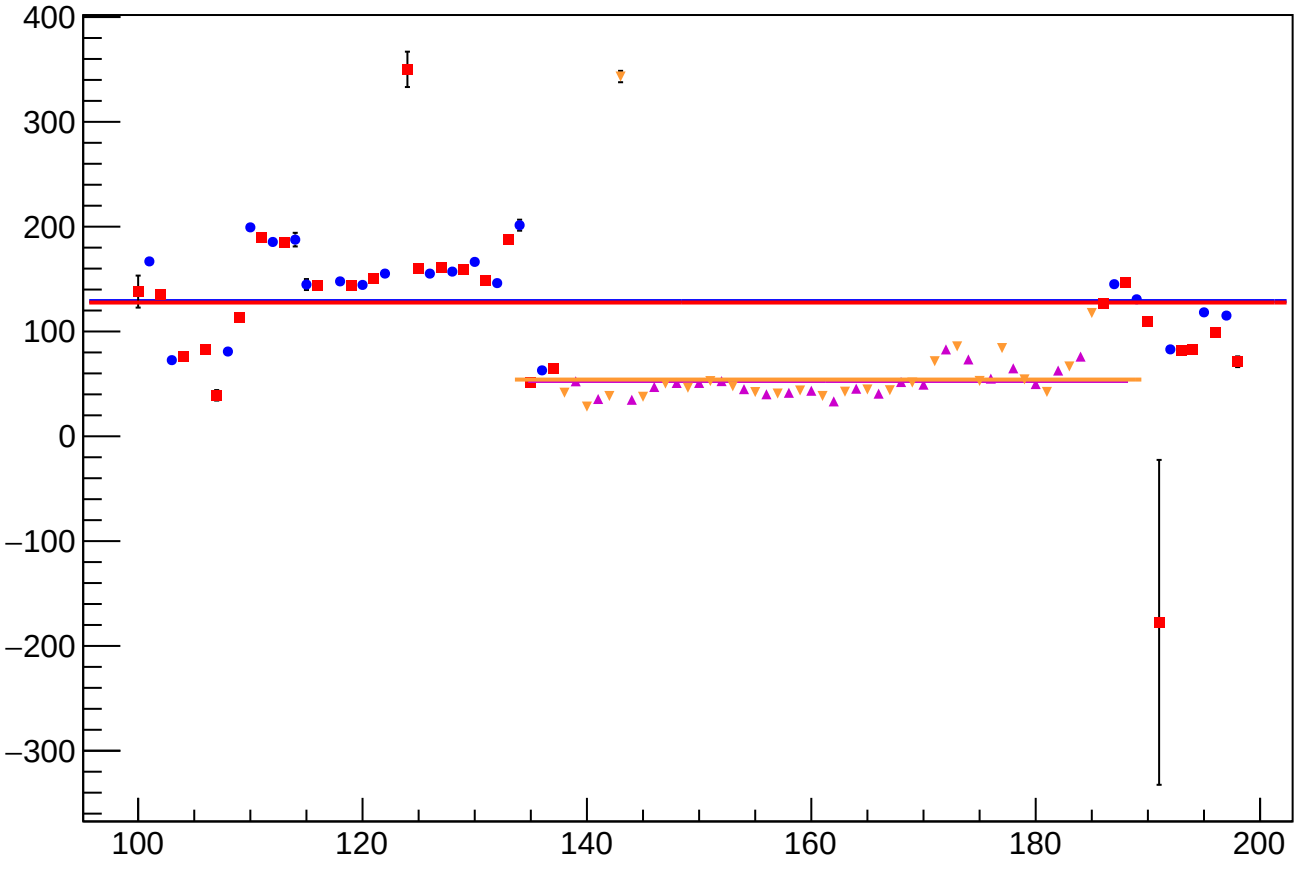
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

\+ sign -5.241+/-0.277 χ^2/NDF: 1181.5/45

All: -5.152+/-0.196 χ^2/NDF: 2266.7/95

\- sign -5.062+/-0.278 χ^2/NDF: 1085.0/49

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.007+/-0.679 χ^2/NDF: 3836.3/20

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 127.616+/-0.568 χ^2/NDF: 4165.4/26

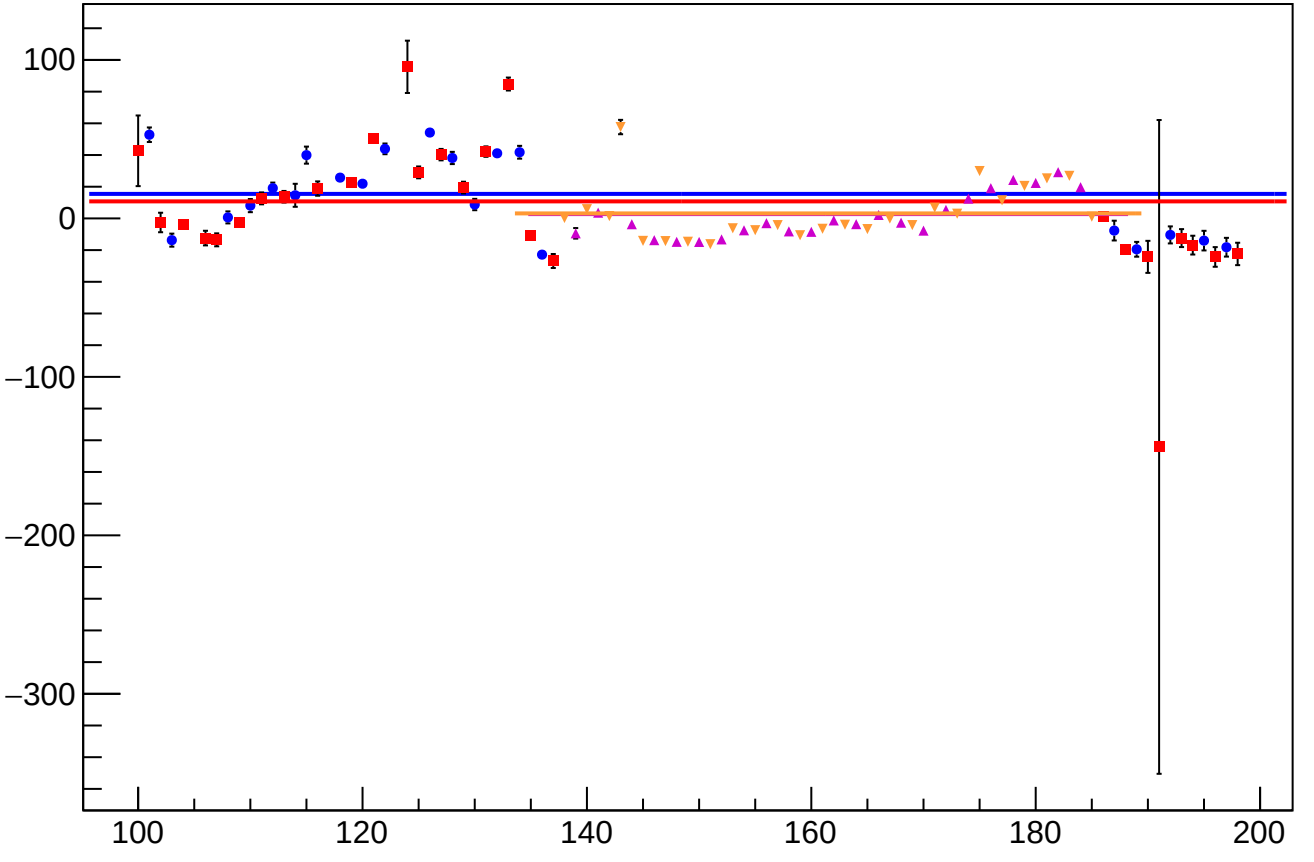
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 72.502+/-0.336 χ^2/NDF: 17604.6/45

All: 74.834+/-0.233 χ^2/NDF: 34580.6/95

- sign 76.982+/-0.323 χ^2/NDF: 16883.7/49

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 15.469+/-0.813 χ^2/NDF: 1023.2/20

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 10.744+/-0.762 χ^2/NDF: 1192.4/26

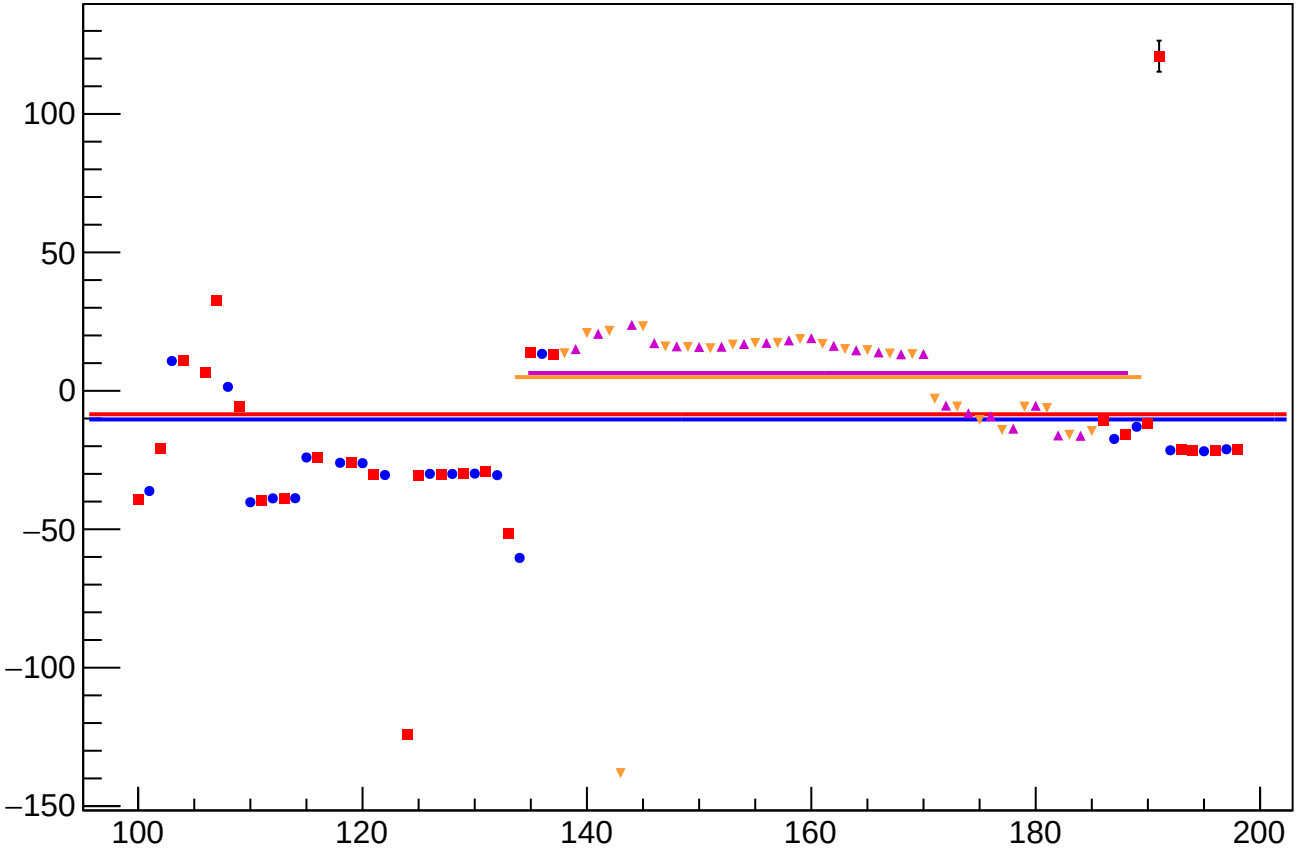
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

\+ sign 4.987+/-0.314 χ^2/NDF: 3230.9/45

All: 4.546+/-0.222 χ^2/NDF: 6254.4/95

\- sign 4.099+/-0.316 χ^2/NDF: 3019.4/49

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -10.335+/-0.041 χ^2/NDF: 281814.9/20

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -8.474+/-0.039 χ^2/NDF: 257485.3/26

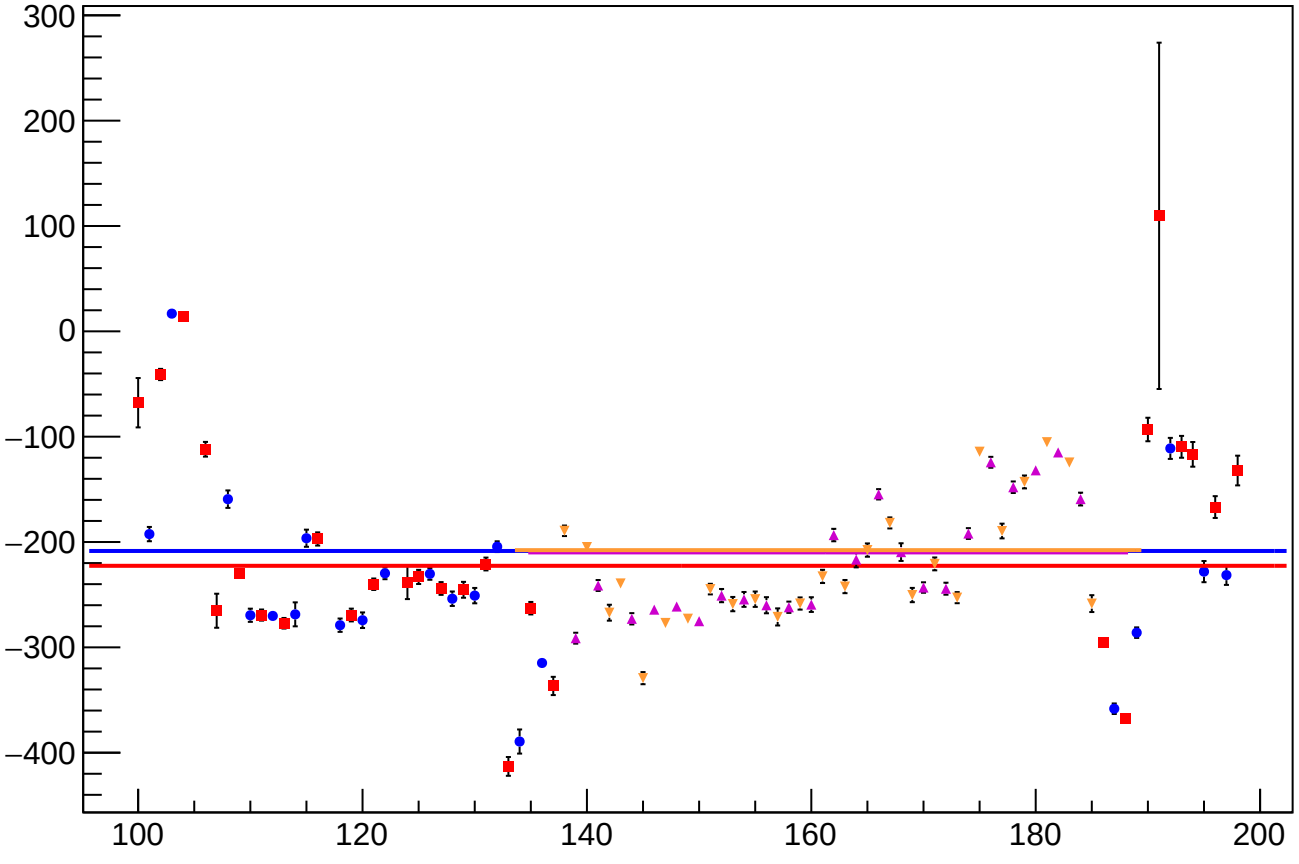
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.093+/-0.014 χ^2/NDF: 1540564.7/45

All: 3.788+/-0.010 χ^2/NDF: 2656701.4/95

- sign 4.486+/-0.014 χ^2/NDF: 1111381.9/49

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -208.500+/-1.282 χ^2/NDF: 8617.0/20

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -222.588+/-1.136 χ^2/NDF: 12006.3/26

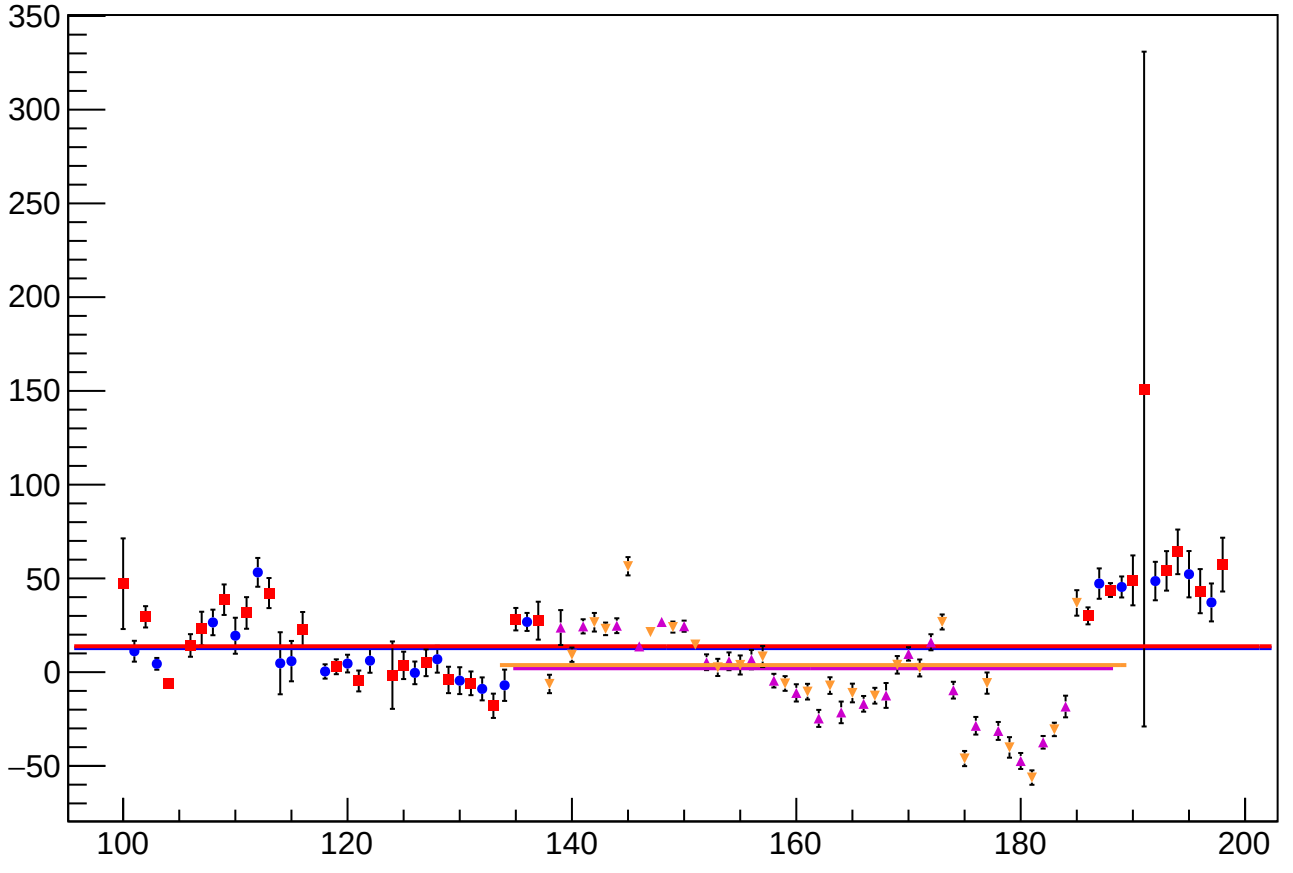
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -208.055+/-0.821 χ^2/NDF: 12104.4/45

All: -212.196+/-0.570 χ^2/NDF: 27236.1/95

- sign -216.034+/-0.791 χ^2/NDF: 15082.7/49

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.822+/-1.340 χ^2/NDF: 172.9/20

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 13.805+/-1.195 χ^2/NDF: 310.7/26

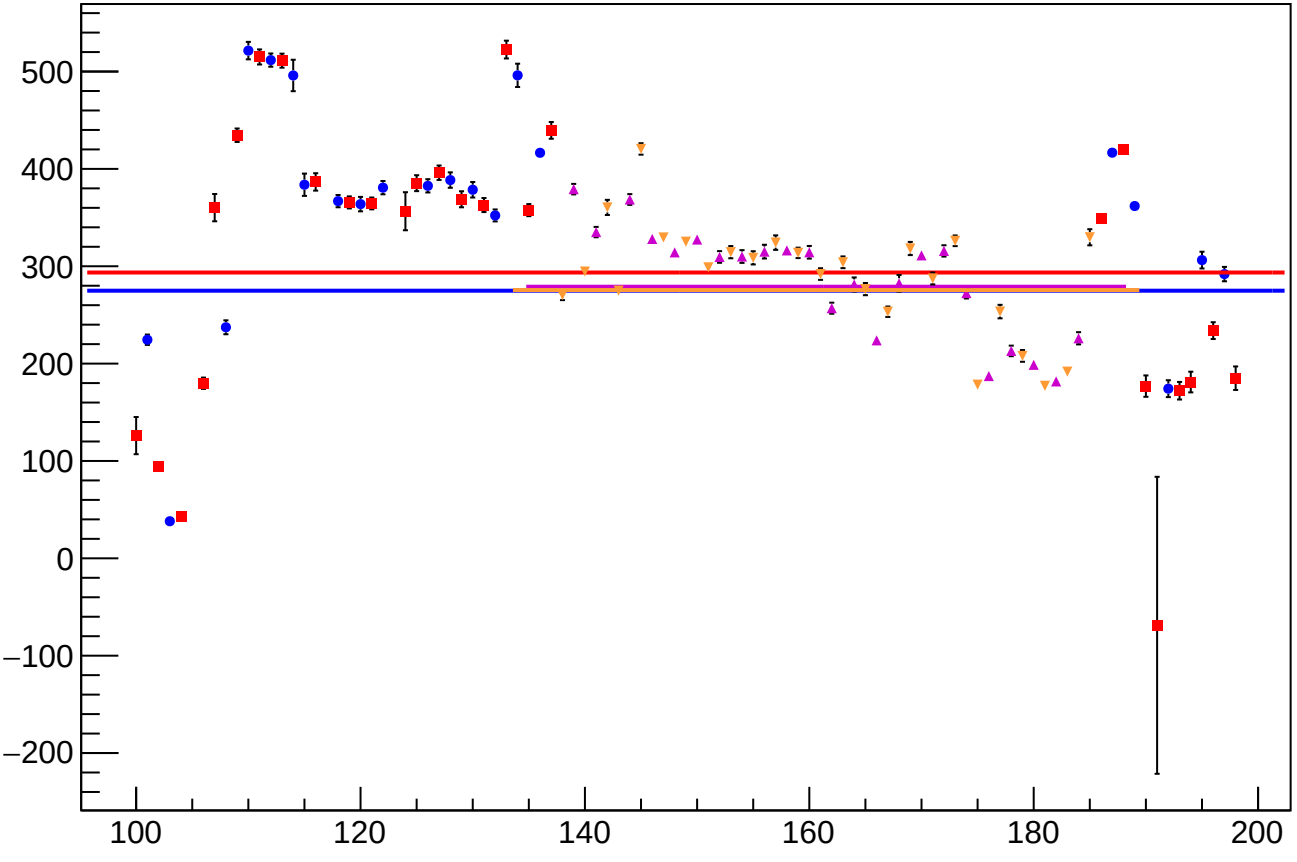
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 6.091+/-0.679 χ^2/NDF: 1178.9/45

All: 5.962+/-0.479 χ^2/NDF: 2325.4/95

\- sign 5.833+/-0.676 χ^2/NDF: 1146.4/49

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 274.891+/-1.234 χ^2/NDF: 17418.9/20

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 293.573+/-1.062 χ^2/NDF: 21620.4/26

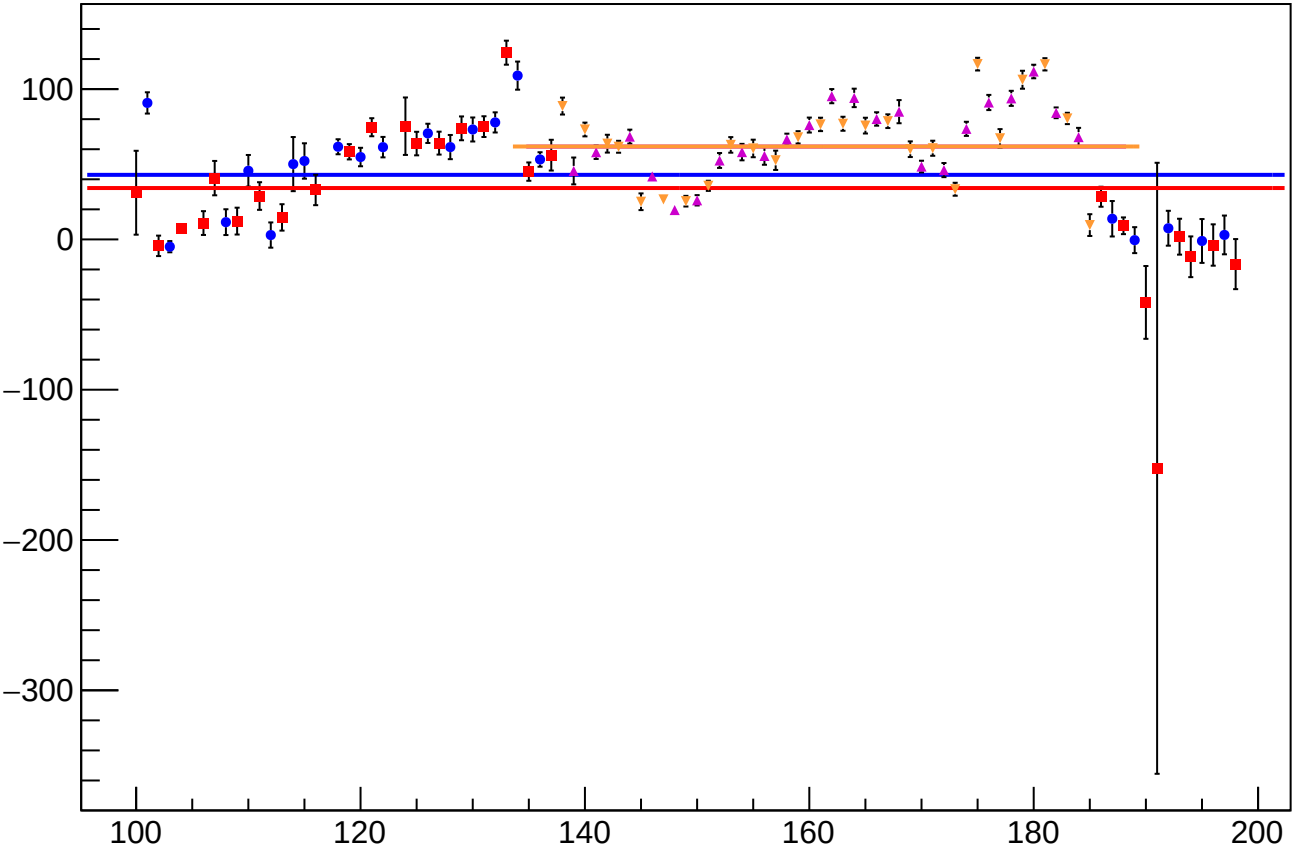
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 275.262+/-0.805 χ^2/NDF: 20742.2/45

All: 281.183+/-0.553 χ^2/NDF: 45671.7/95

- sign 286.465+/-0.760 χ^2/NDF: 24827.1/49

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.956+/-1.585 χ^2/NDF: 451.1/20

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 34.178+/-1.458 χ^2/NDF: 493.4/26

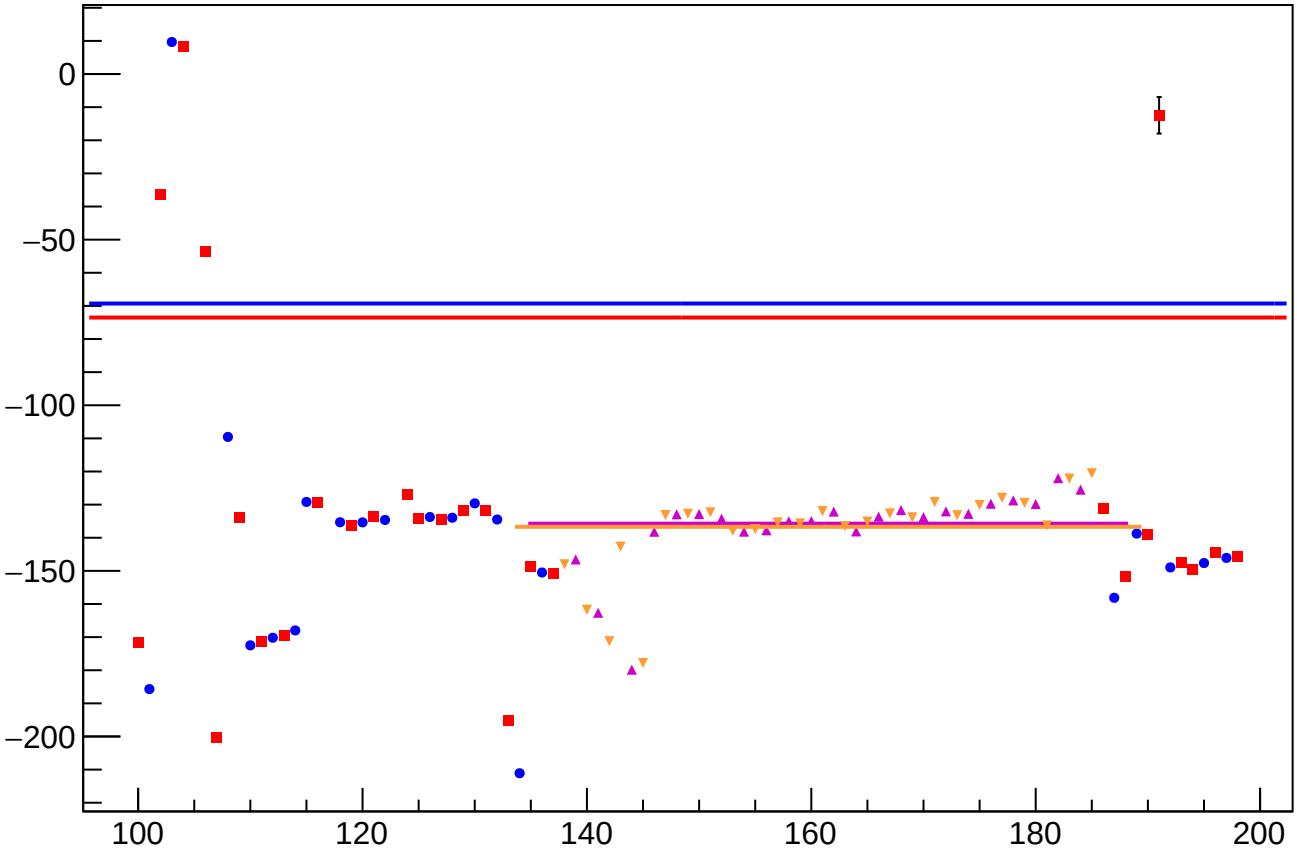
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 57.159+/-0.787 χ^2/NDF: 1517.3/45

All: 55.422+/-0.557 χ^2/NDF: 3009.6/95

- sign 53.678+/-0.789 χ^2/NDF: 1482.5/49

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -69.285+/-0.068 χ^2/NDF: 1399538.9/20

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -73.515+/-0.067 χ^2/NDF: 1130925.3/26

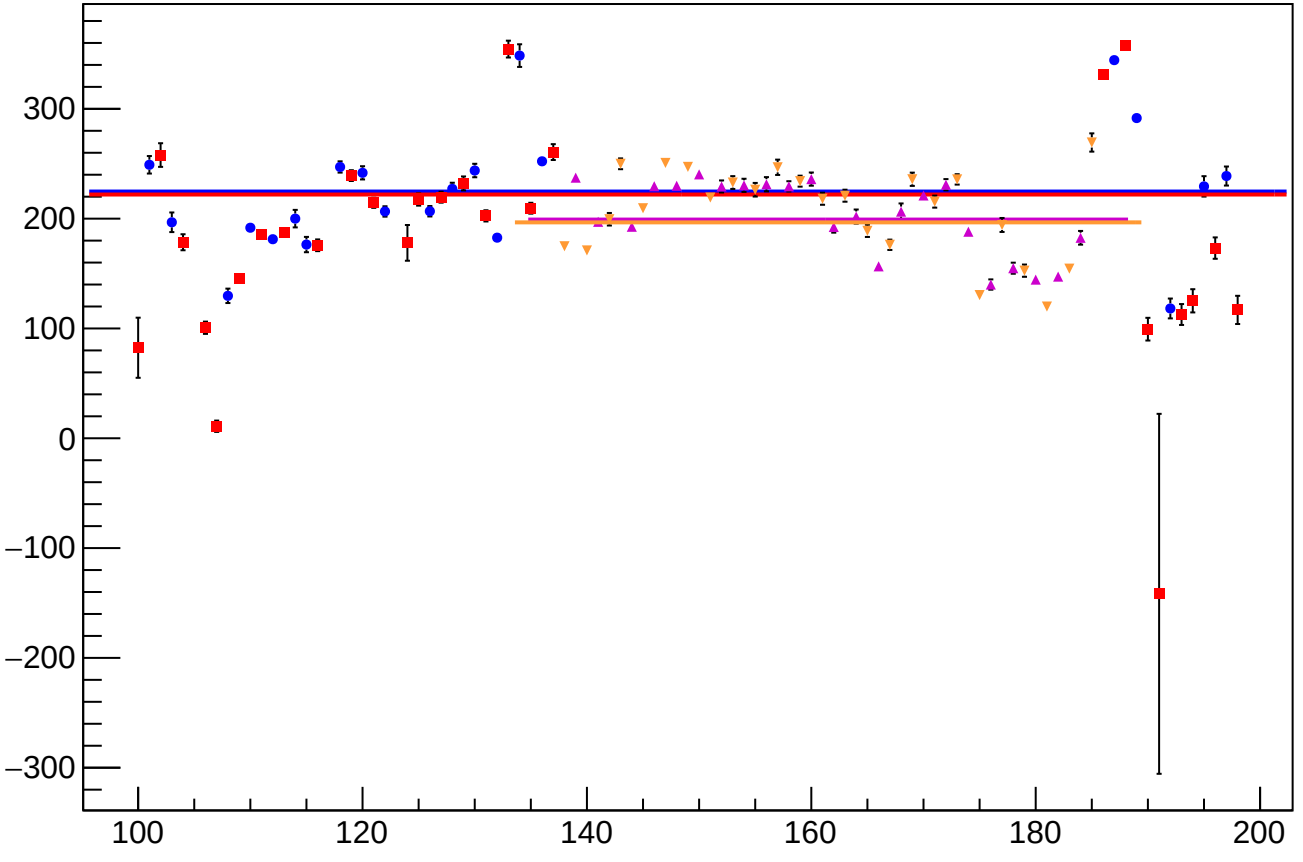
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.999+/-0.036 χ^2/NDF: 2184659.6/45

All: -117.896+/-0.025 χ^2/NDF: 3989069.3/95

- sign -117.792+/-0.036 χ^2/NDF: 1804393.1/49

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 224.688+/-1.171 χ^2/NDF: 1953.3/20

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.975+/-1.007 χ^2/NDF: 7930.5/26

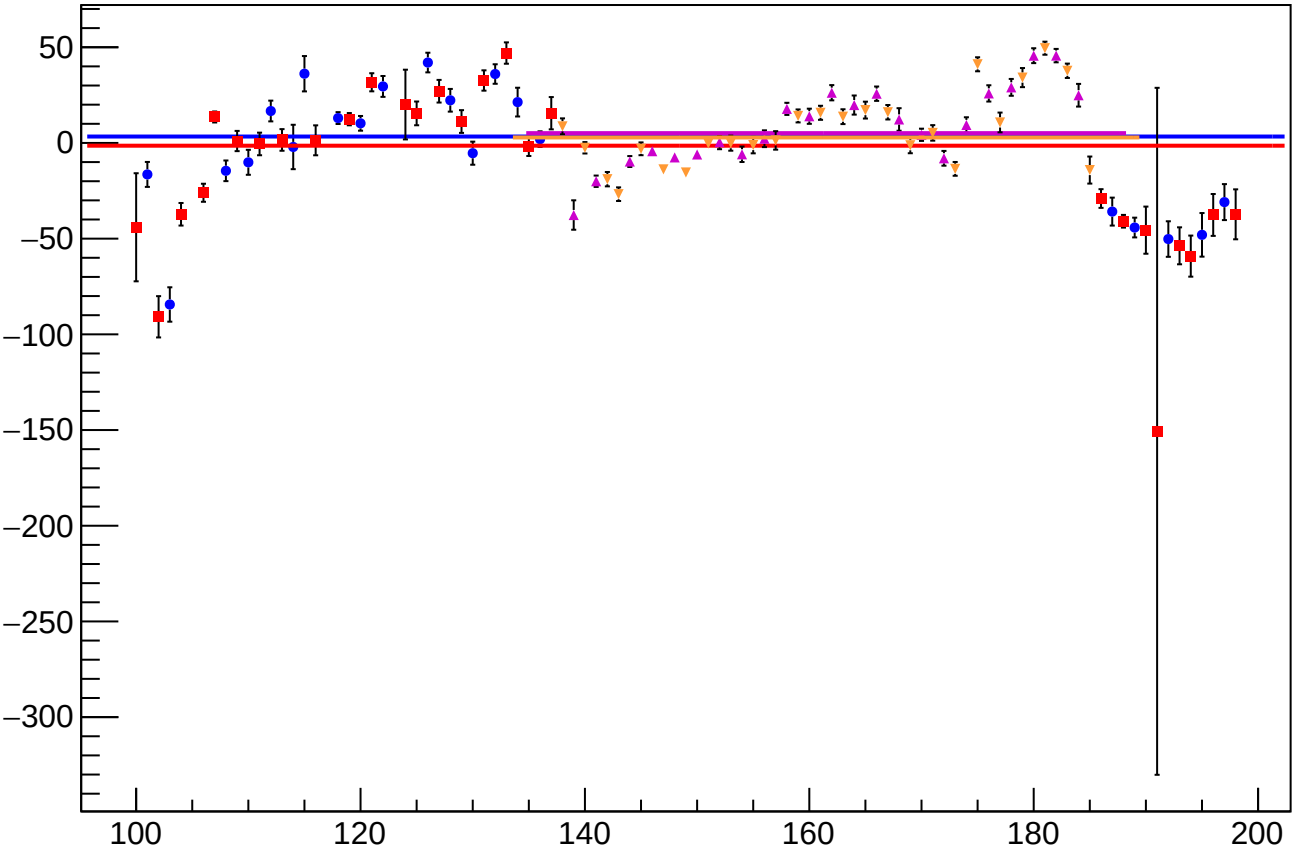
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

\+ sign 207.709+/-0.736 χ^2/NDF: 4376.6/45

All: 209.001+/-0.507 χ^2/NDF: 13873.2/95

\- sign 210.169+/-0.700 χ^2/NDF: 9490.7/49

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 3.353+/-1.240 χ^2/NDF: 471.4/20

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -1.440+/-1.091 χ^2/NDF: 651.7/26

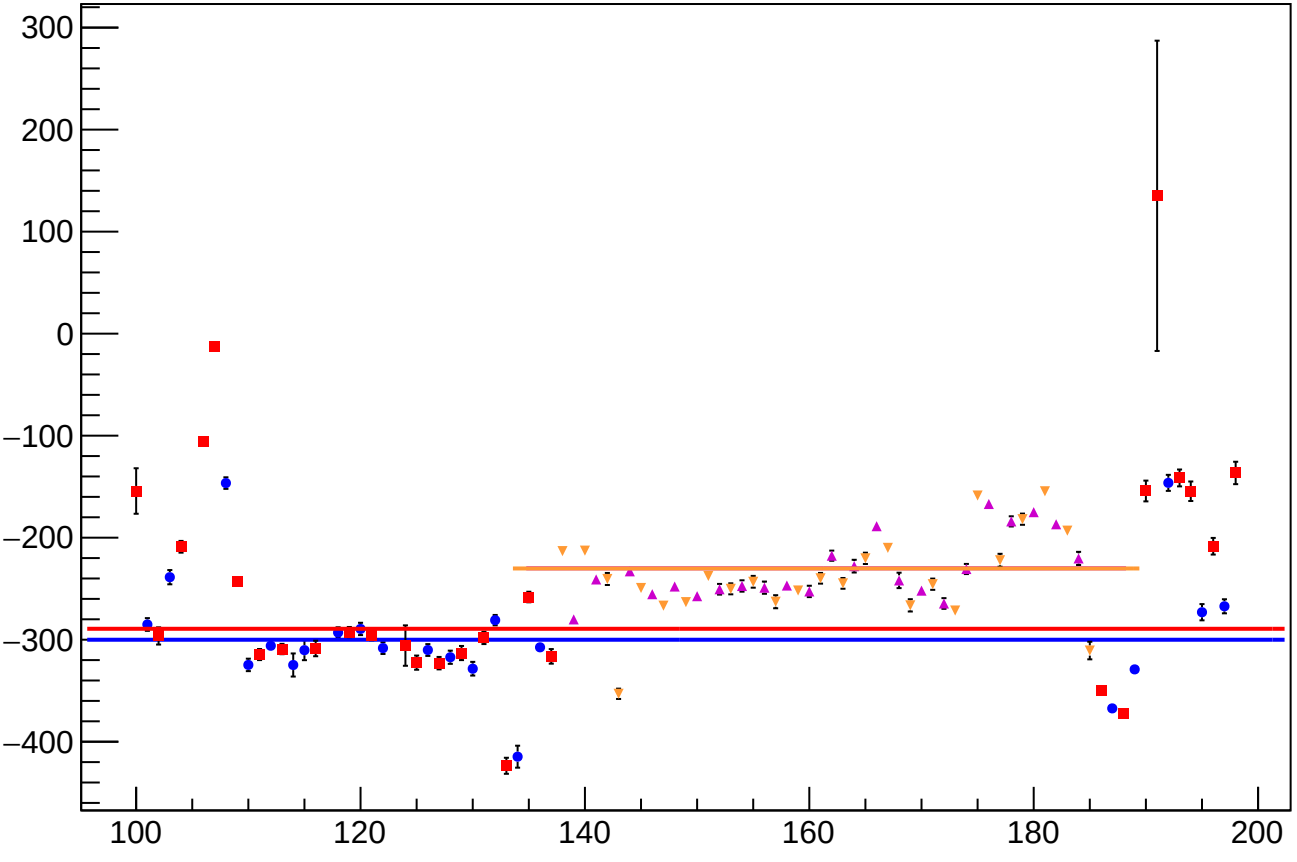
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

\+ sign 2.985+/-0.605 χ^2/NDF: 1224.3/45

All: 3.065+/-0.426 χ^2/NDF: 2529.9/95

\- sign 3.142+/-0.600 χ^2/NDF: 1305.5/49

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -300.044+/-1.231 χ^2/NDF: 1814.4/20

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -289.305+/-1.019 χ^2/NDF: 9469.9/26

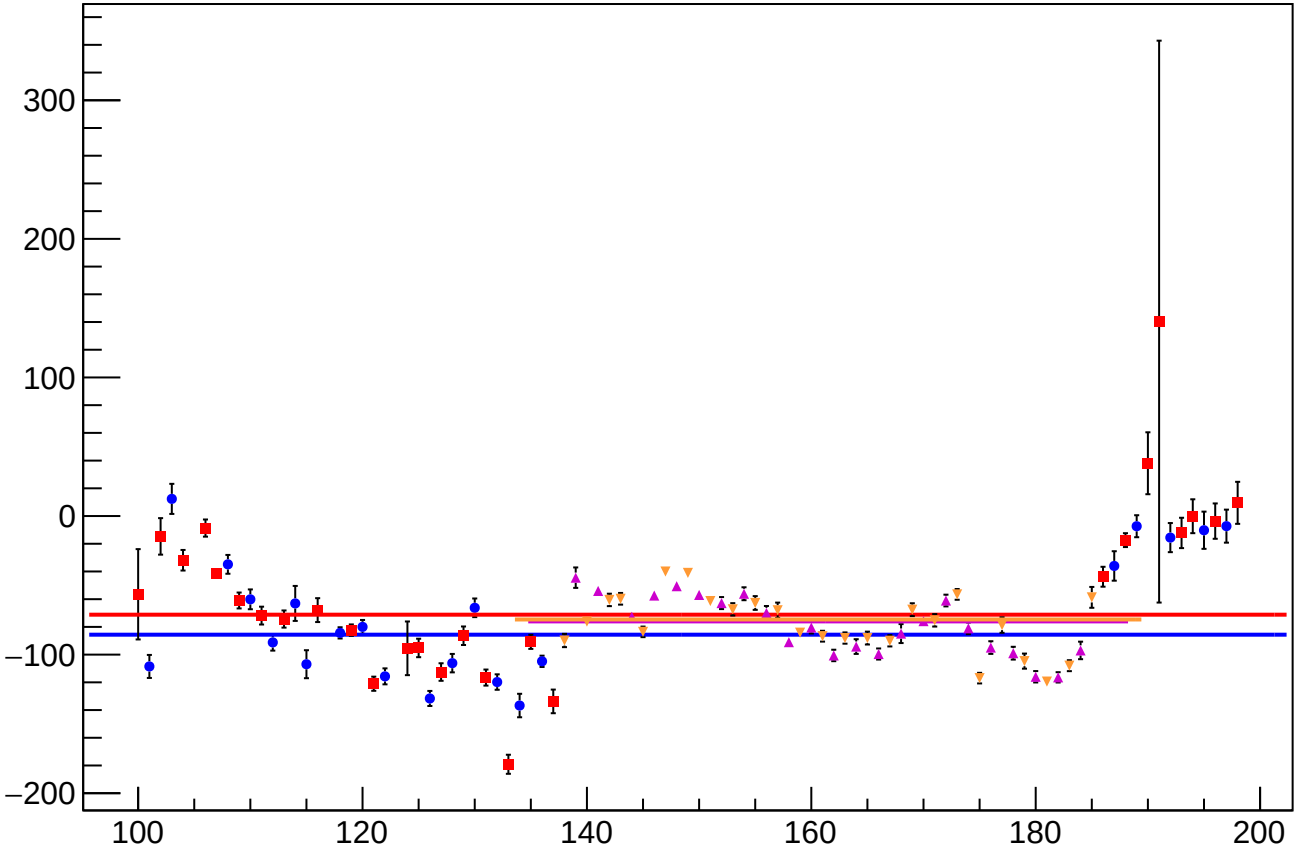
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -255.870+/-0.747 χ^2/NDF: 6031.7/45

All: -256.981+/-0.510 χ^2/NDF: 18390.6/95

- sign -257.955+/-0.699 χ^2/NDF: 12354.7/49

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -85.620+/-1.457 χ^2/NDF: 619.0/20

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -71.184+/-1.313 χ^2/NDF: 1033.4/26

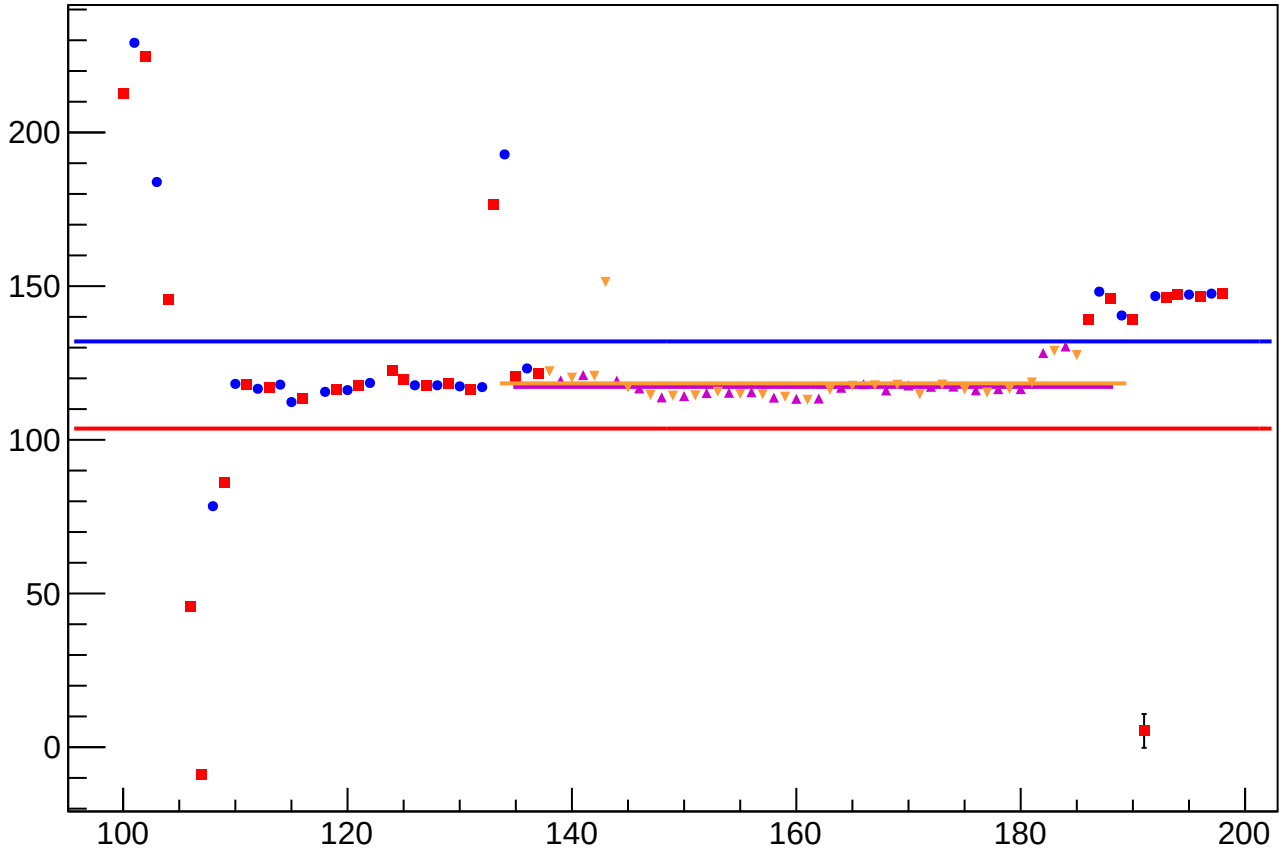
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -77.191+/-0.702 χ^2/NDF: 1493.6/45

All: -75.917+/-0.495 χ^2/NDF: 3189.4/95

- sign -74.657+/-0.698 χ^2/NDF: 1689.2/49

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 132.016+/-0.080 χ^2/NDF: 190842.7/20

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 103.662+/-0.070 χ^2/NDF: 712390.4/26

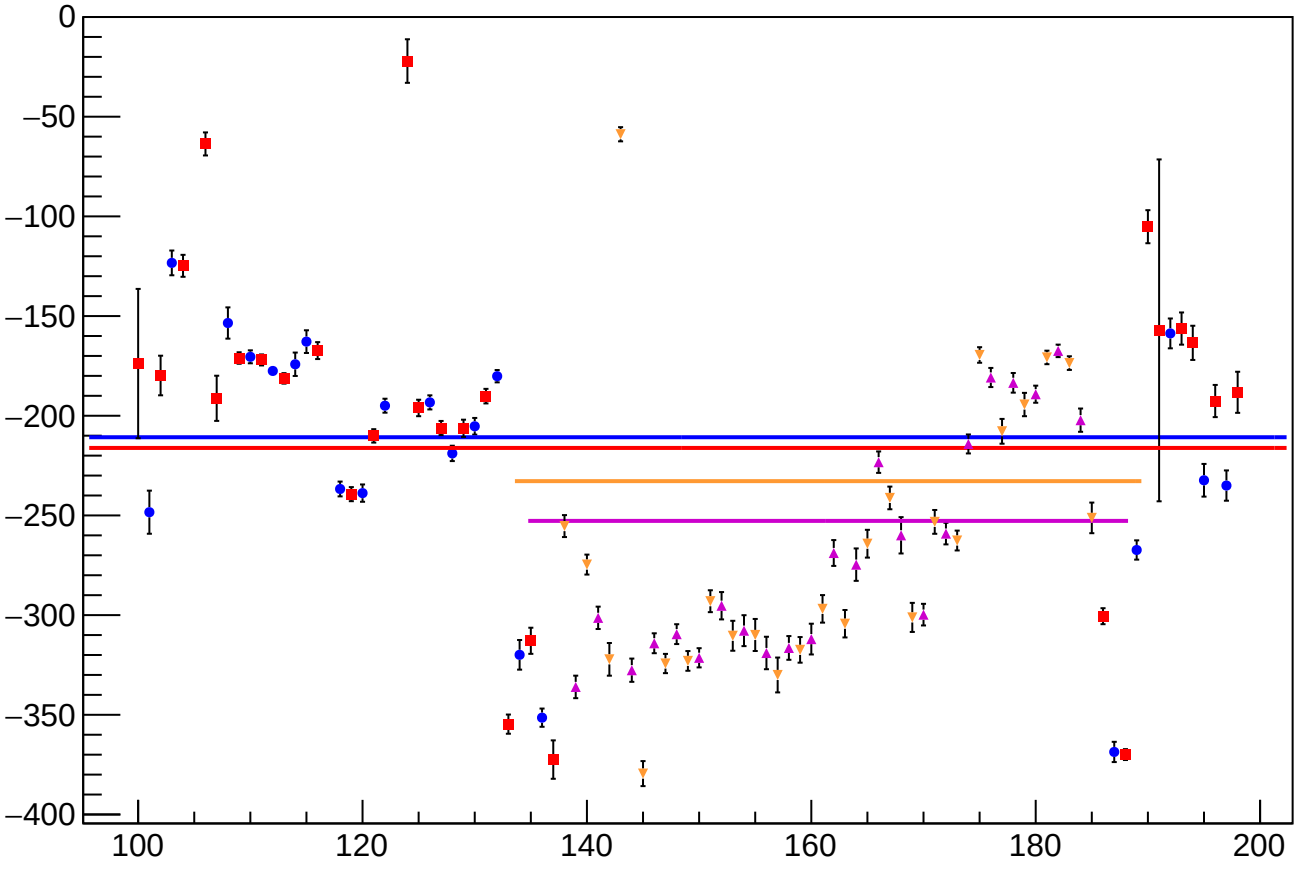
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

\+ sign 120.812+/-0.034 χ^2/NDF: 249627.9/45

All: 117.413+/-0.024 χ^2/NDF: 1021497.3/95

\- sign 114.157+/-0.033 χ^2/NDF: 752055.6/49

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -210.778+/-0.960 χ^2/NDF: 3282.0/20

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.144+/-0.871 χ^2/NDF: 7456.2/26

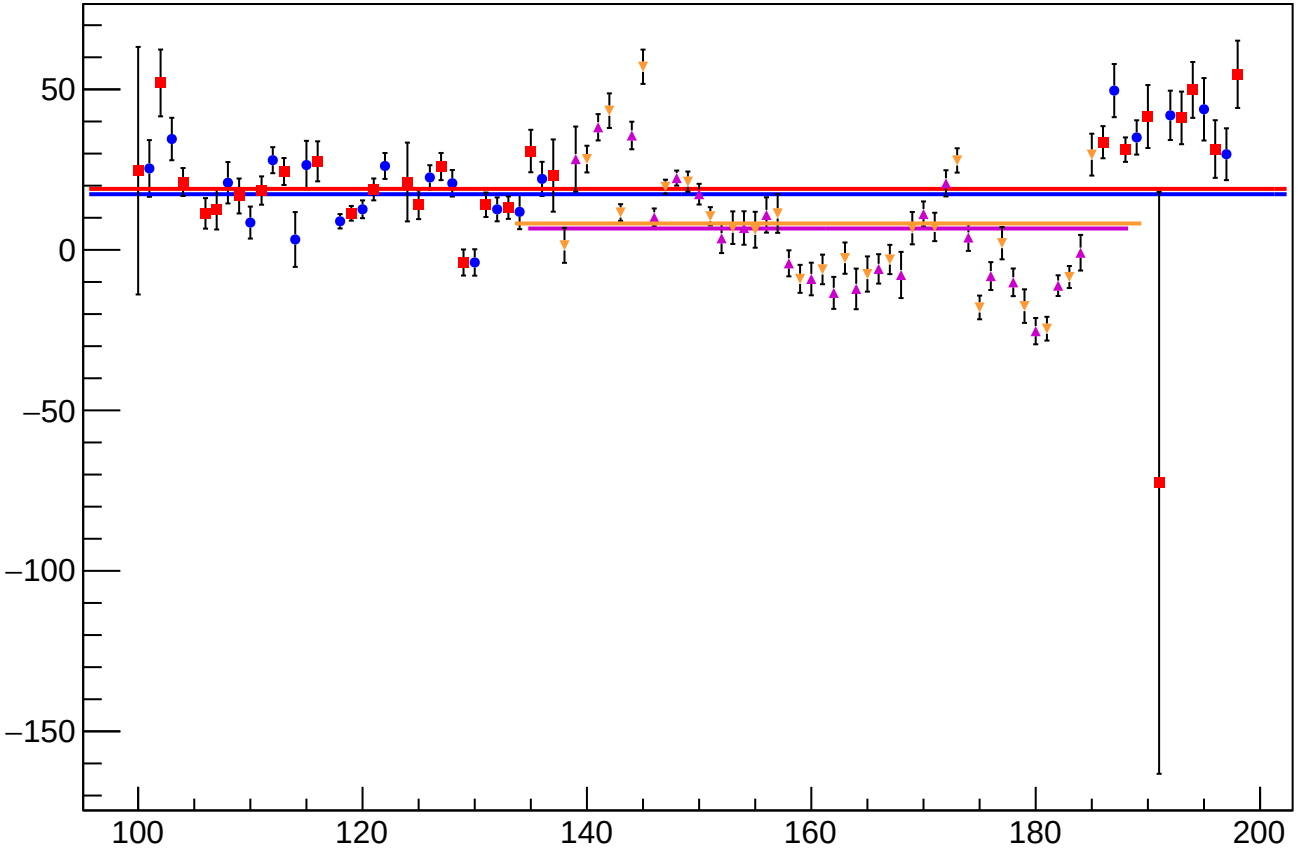
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.579+/-0.715 χ^2/NDF: 9280.1/45

All: -225.339+/-0.497 χ^2/NDF: 20393.1/95

- sign -229.770+/-0.690 χ^2/NDF: 11027.4/49

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.343+/-0.998 χ^2/NDF: 122.7/20

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.003+/-0.954 χ^2/NDF: 130.8/26

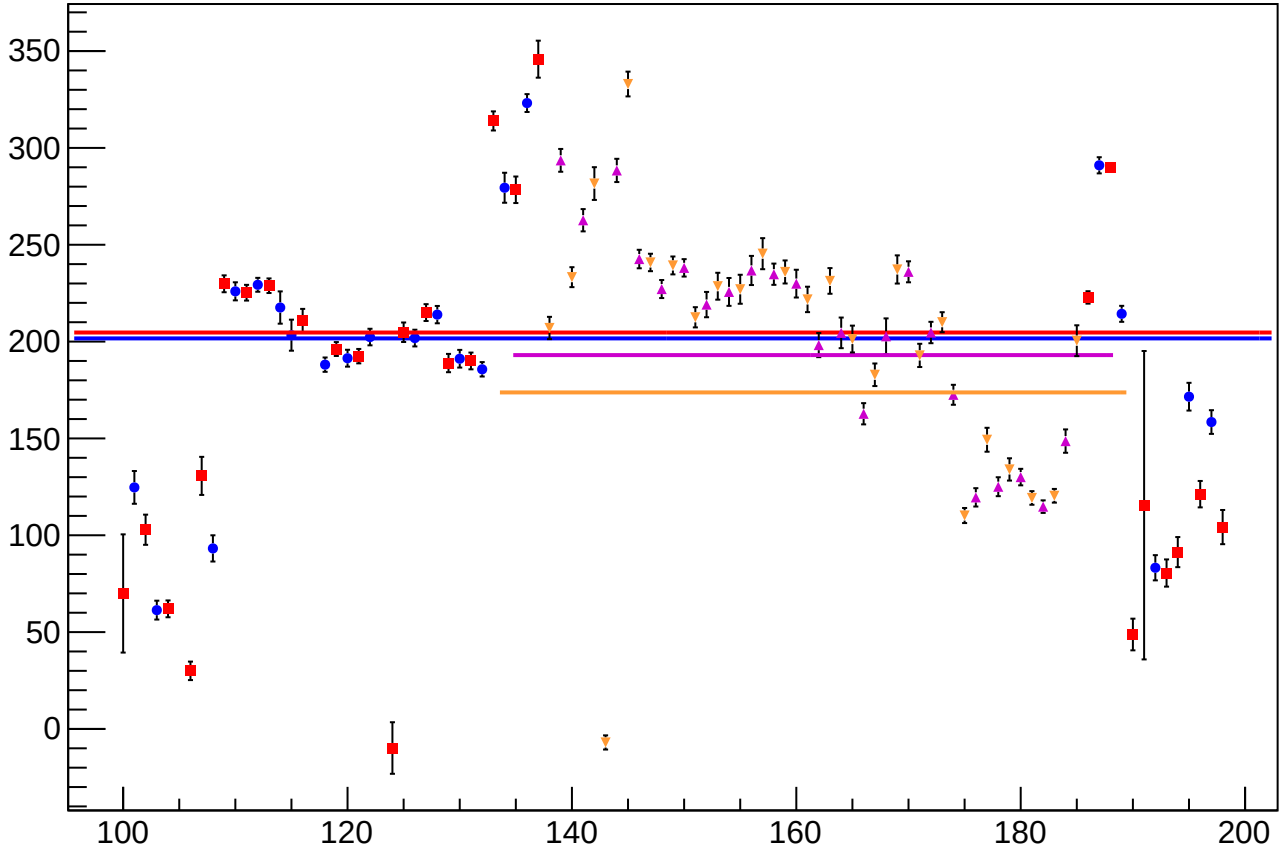
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.804+/-0.626 χ^2/NDF: 631.3/45

All: 11.989+/-0.447 χ^2/NDF: 1209.7/95

- sign 12.181+/-0.638 χ^2/NDF: 578.2/49

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 201.641+/-1.063 χ^2/NDF: 2970.8/20

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 204.682+/-0.935 χ^2/NDF: 6589.0/26

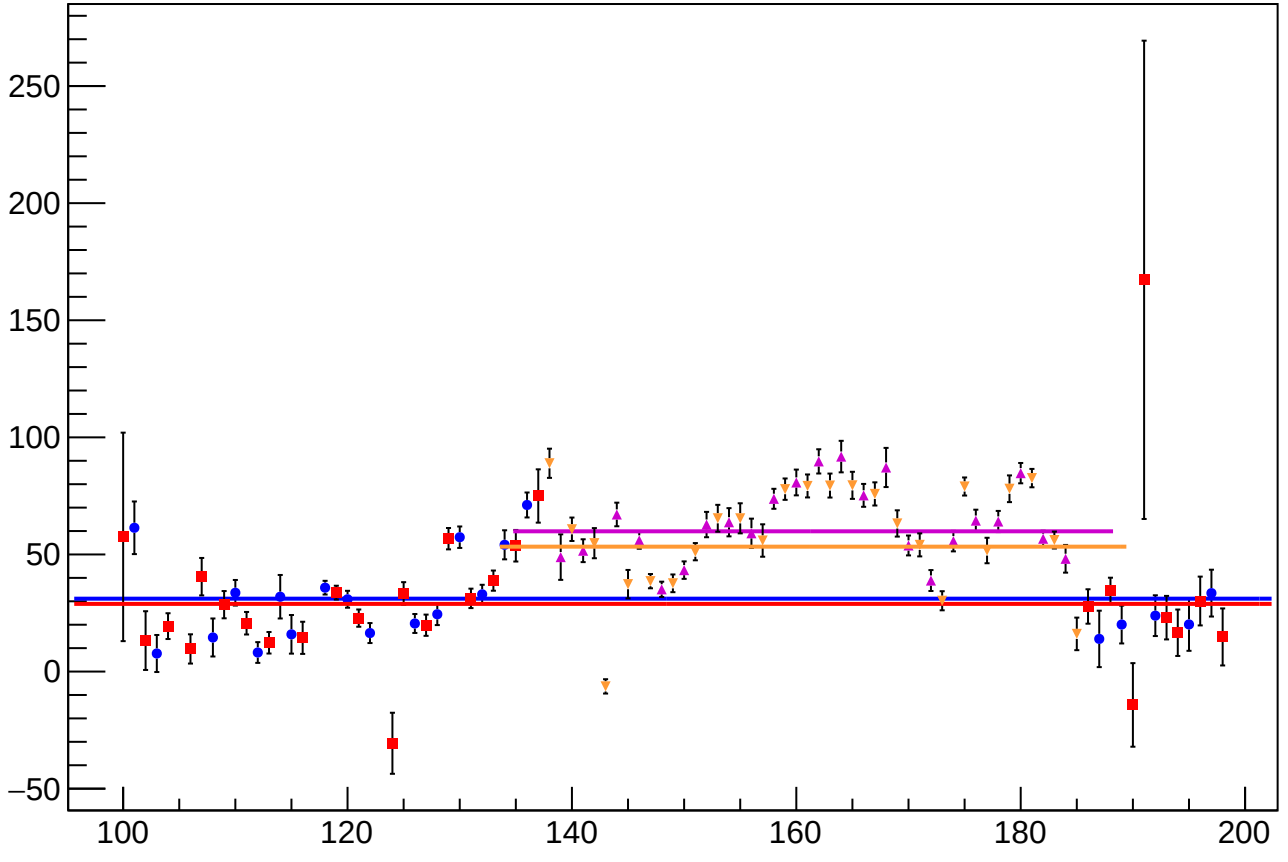
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 187.772+/-0.754 χ^2/NDF: 8573.9/45

All: 194.132+/-0.520 χ^2/NDF: 17874.5/95

- sign 199.908+/-0.718 χ^2/NDF: 9164.7/49

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.121+/-1.171 χ^2/NDF: 182.9/20

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.894+/-1.125 χ^2/NDF: 153.0/26

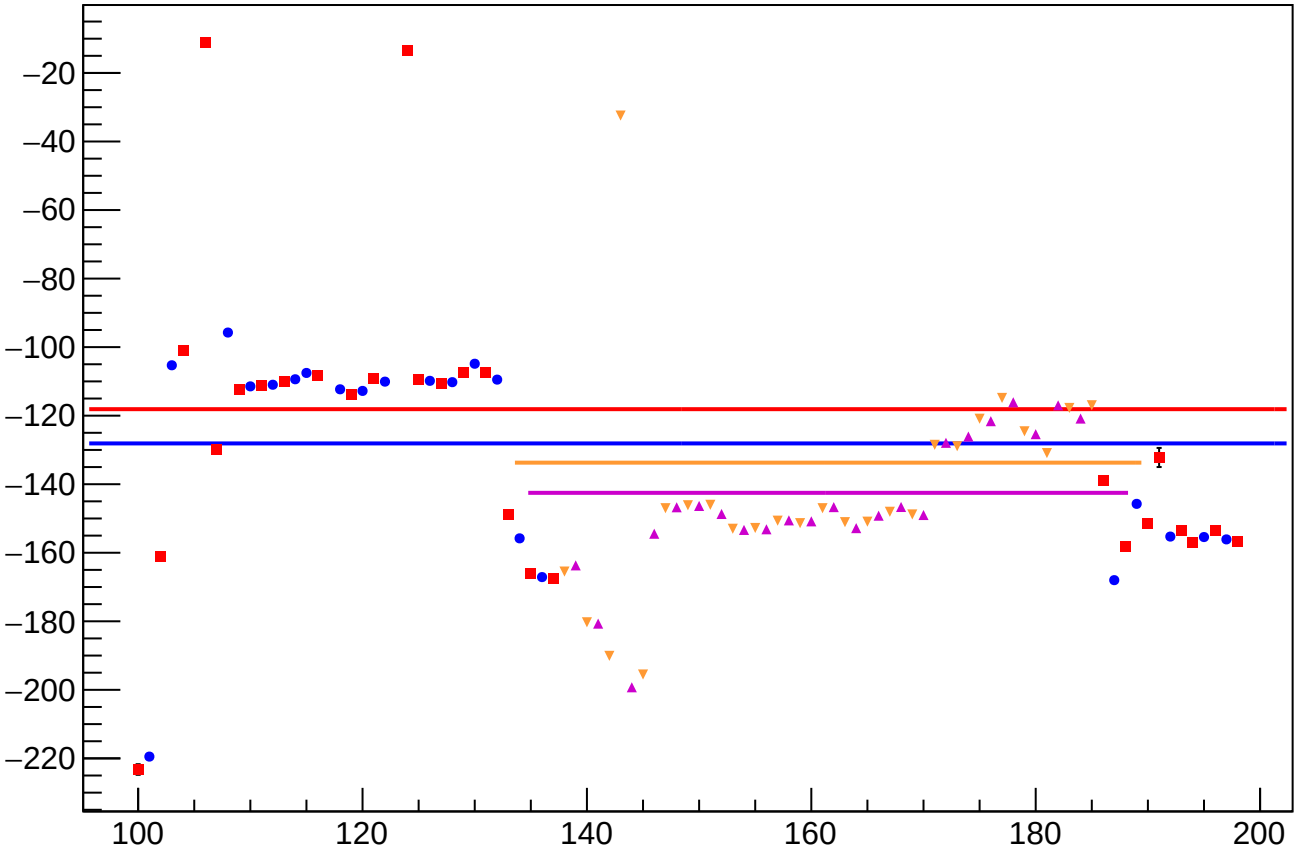
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 44.837+/-0.724 χ^2/NDF: 1183.9/45

All: 45.688+/-0.517 χ^2/NDF: 2023.3/95

- sign 46.571+/-0.738 χ^2/NDF: 836.6/49

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -128.099+/-0.071 χ^2/NDF: 156322.3/20

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -118.104+/-0.064 χ^2/NDF: 465428.9/26

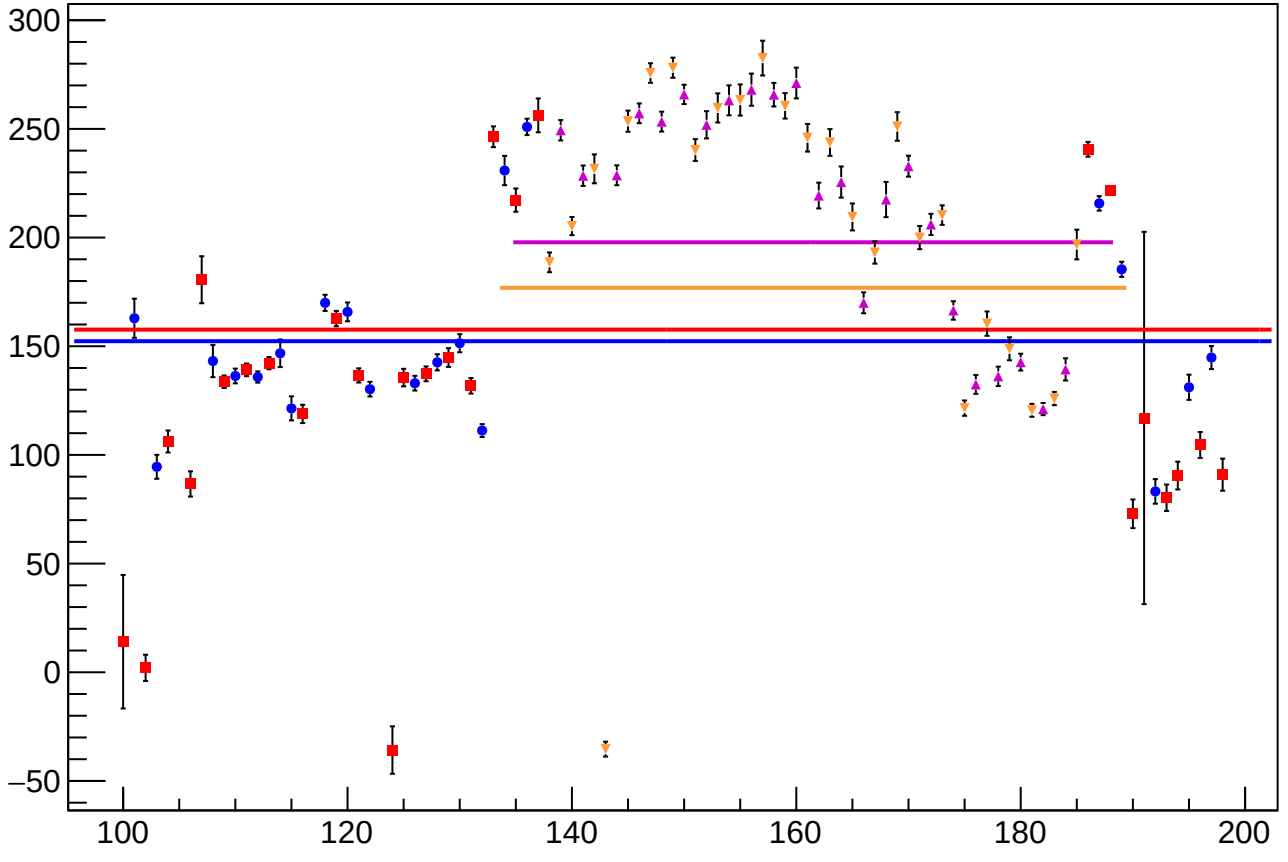
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -132.197+/-0.037 χ^2/NDF: 836871.5/45

All: -133.432+/-0.026 χ^2/NDF: 1580246.4/95

- sign -134.665+/-0.037 χ^2/NDF: 741101.2/49

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 152.318+/-0.890 χ^2/NDF: 1947.9/20

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 157.642+/-0.789 χ^2/NDF: 4770.4/26

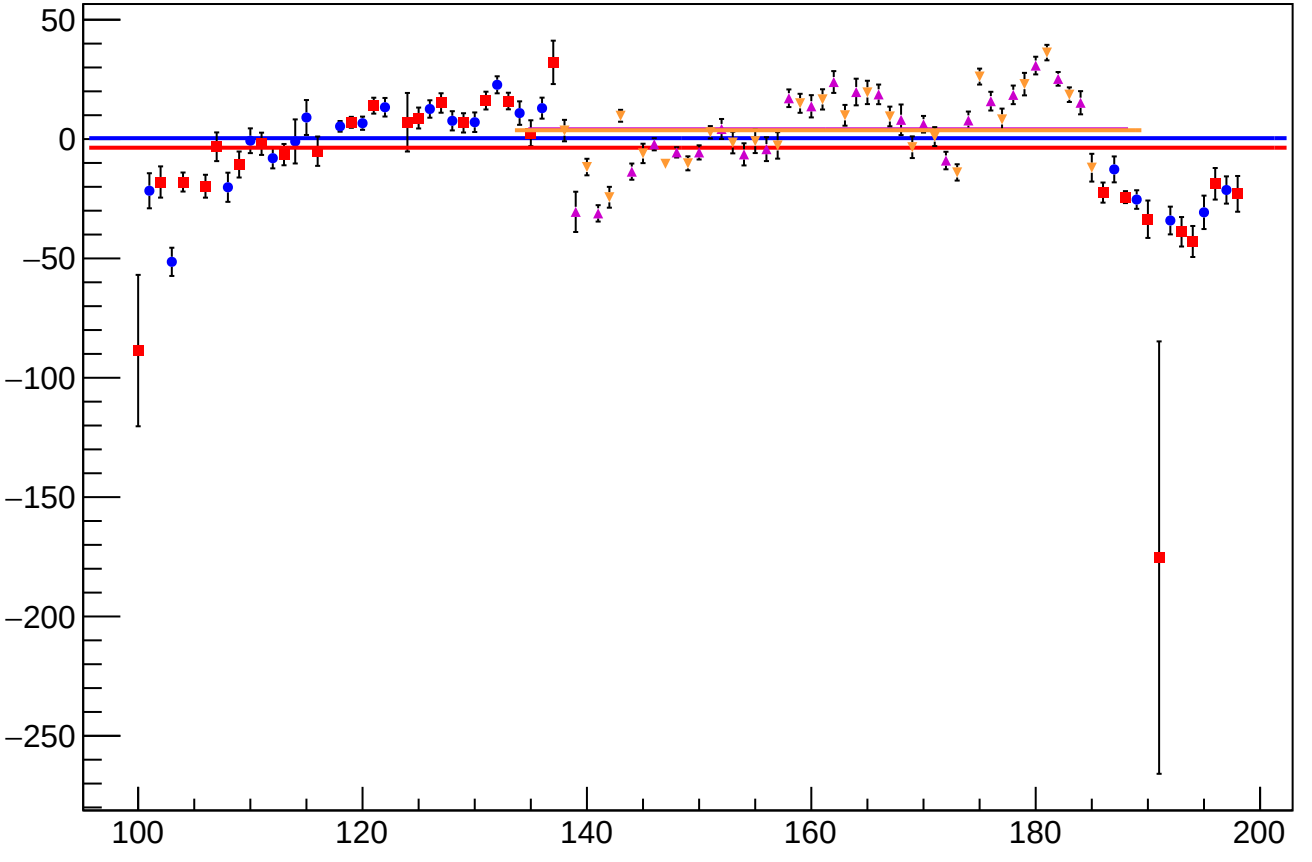
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

\+ sign 163.704+/-0.652 χ^2/NDF: 9725.8/45

All: 168.547+/-0.450 χ^2/NDF: 18557.5/95

\- sign 172.938+/-0.621 χ^2/NDF: 8726.5/49

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.385+/-0.936 χ^2/NDF: 311.5/20

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -3.617+/-0.877 χ^2/NDF: 388.5/26

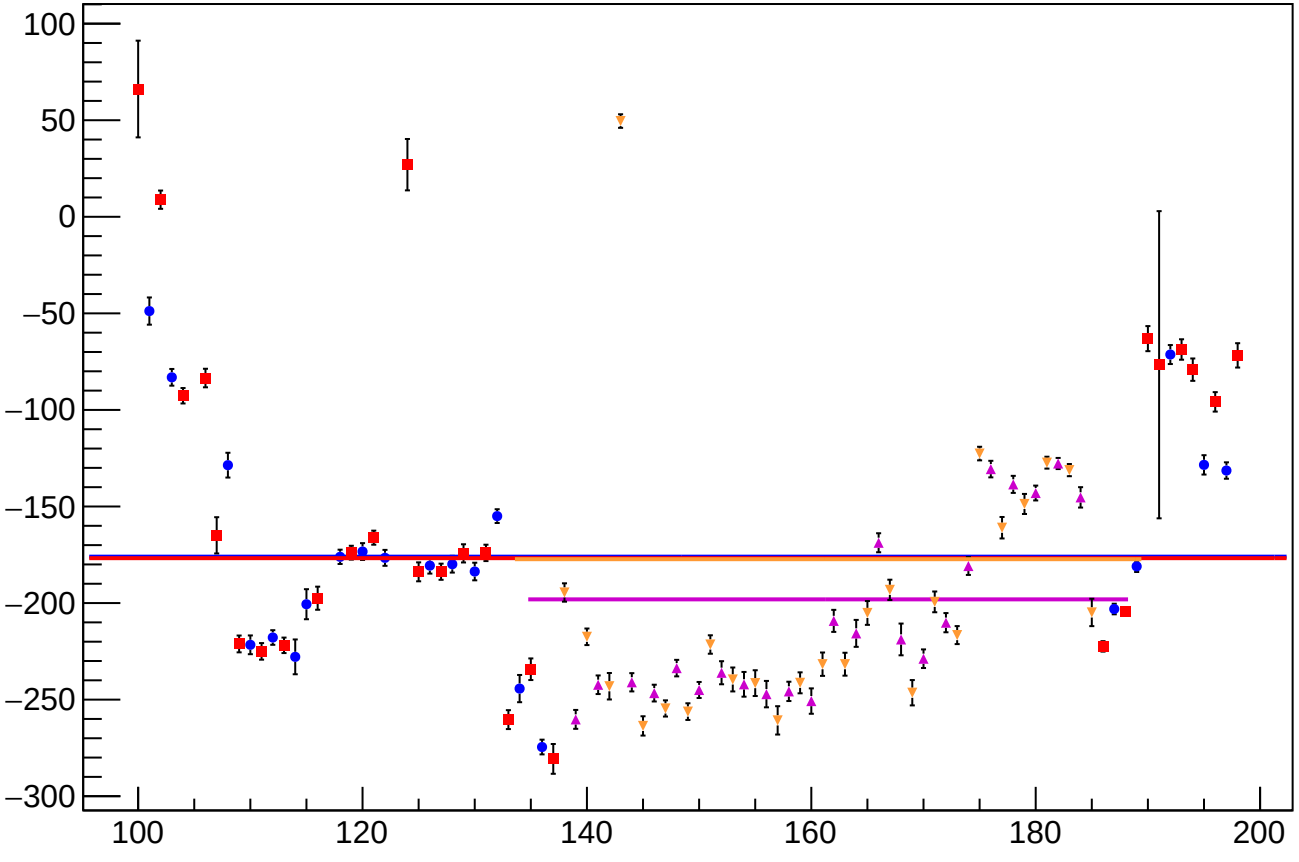
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 2.466+/-0.572 χ^2/NDF: 720.4/45

All: 1.616+/-0.407 χ^2/NDF: 1556.1/95

- sign 0.749+/-0.578 χ^2/NDF: 831.3/49

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -175.978+/-0.937 χ^2/NDF: 2651.2/20

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -176.756+/-0.794 χ^2/NDF: 5858.4/26

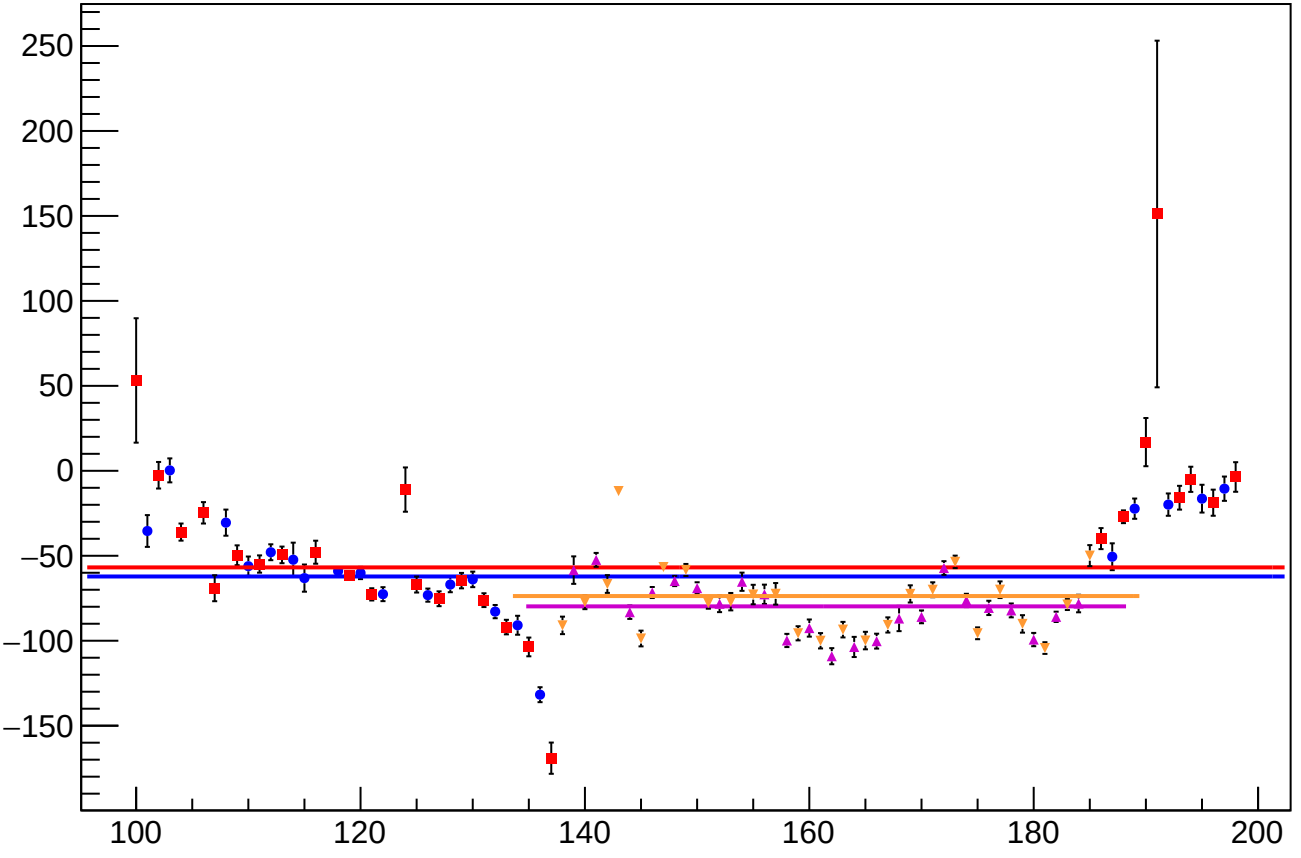
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

\+ sign -176.617+/-0.669 χ^2/NDF: 9692.2/45

All: -181.117+/-0.455 χ^2/NDF: 18300.2/95

\- sign -185.001+/-0.622 χ^2/NDF: 8523.8/49

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -62.188+/-1.105 χ^2/NDF: 608.2/20

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -56.842+/-1.051 χ^2/NDF: 726.1/26

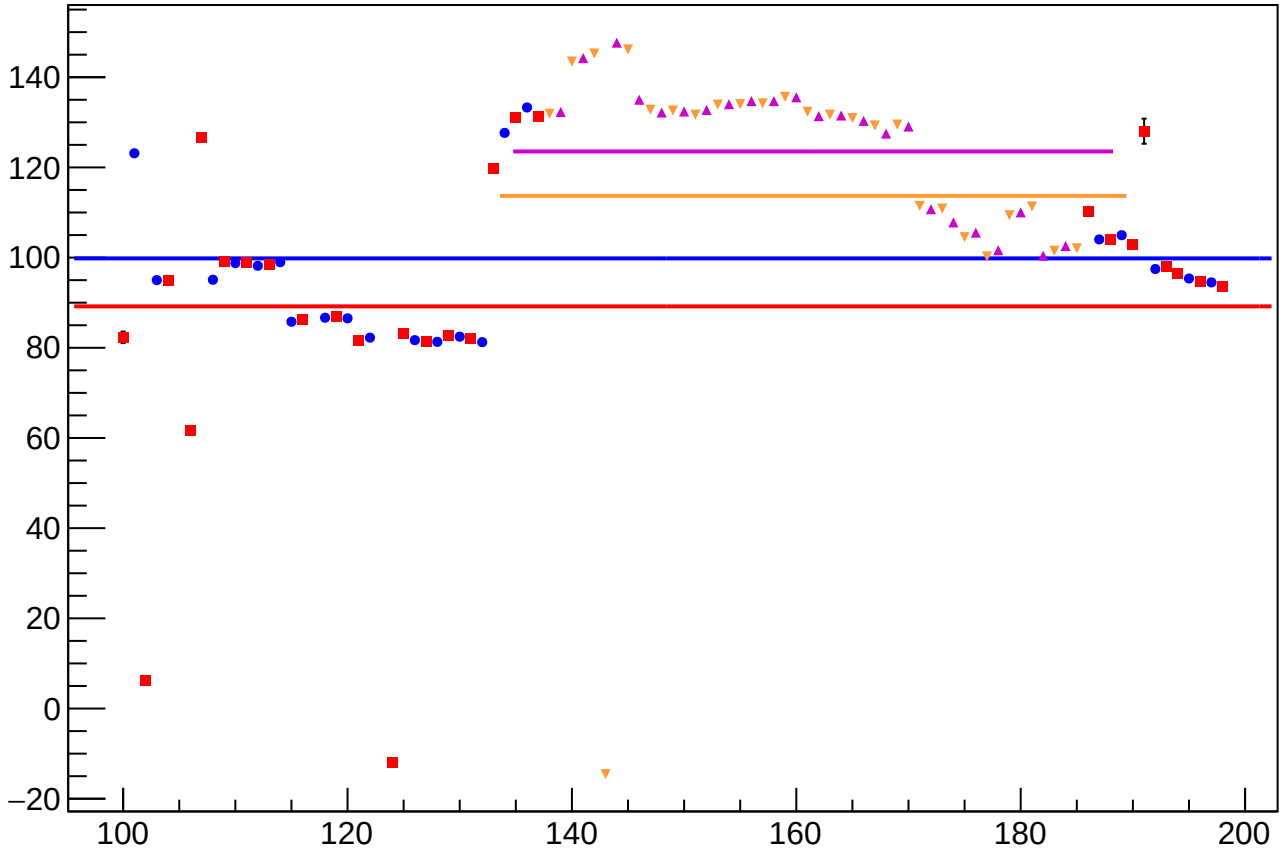
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -69.560+/-0.663 χ^2/NDF: 1517.3/45

All: -69.974+/-0.472 χ^2/NDF: 2802.9/95

- sign -70.399+/-0.672 χ^2/NDF: 1284.8/49

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.825+/-0.062 χ^2/NDF: 68916.8/20

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 89.185+/-0.056 χ^2/NDF: 281658.8/26

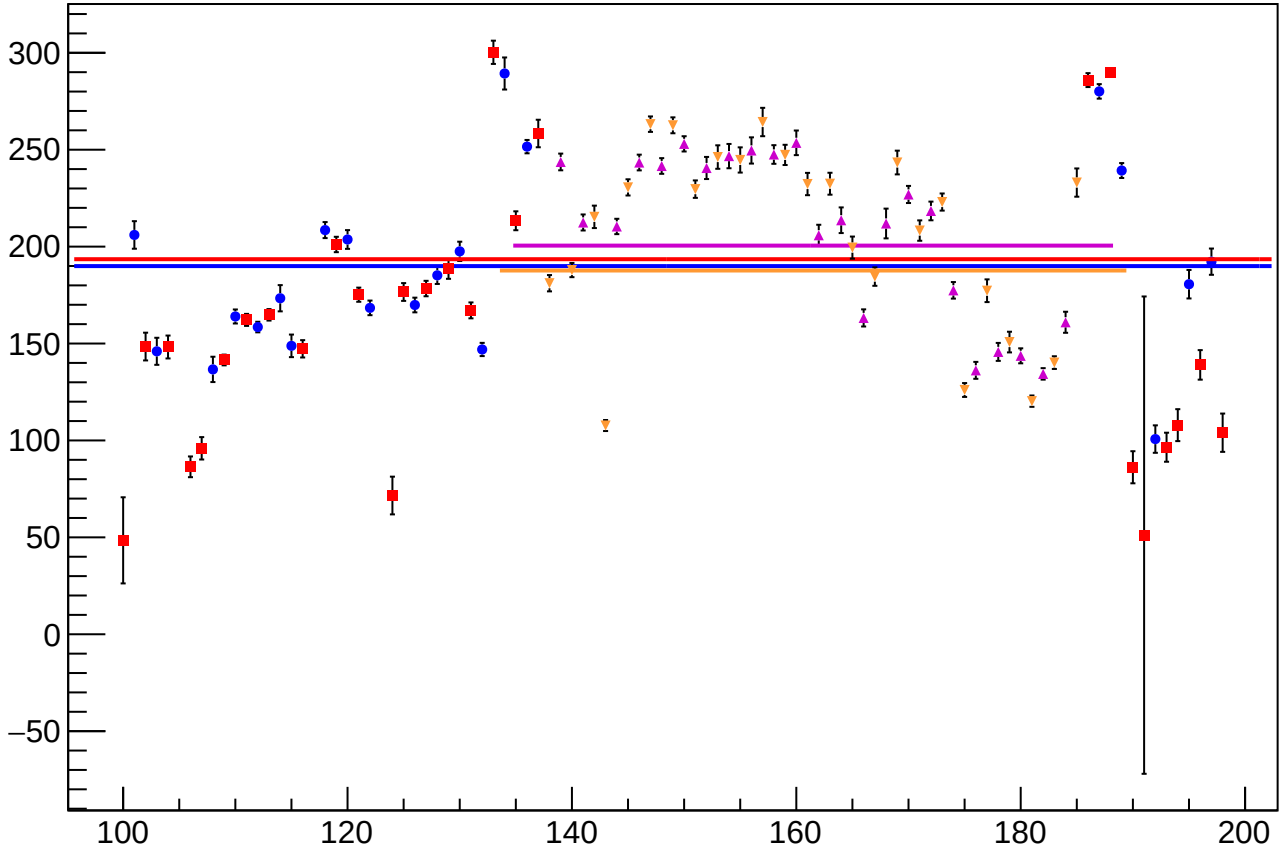
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

\+ sign 109.881+/-0.033 χ^2/NDF: 1067926.6/45

All: 110.991+/-0.023 χ^2/NDF: 1737305.9/95

\- sign 112.079+/-0.032 χ^2/NDF: 667094.9/49

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 189.951+/-0.980 χ^2/NDF: 1969.5/20

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

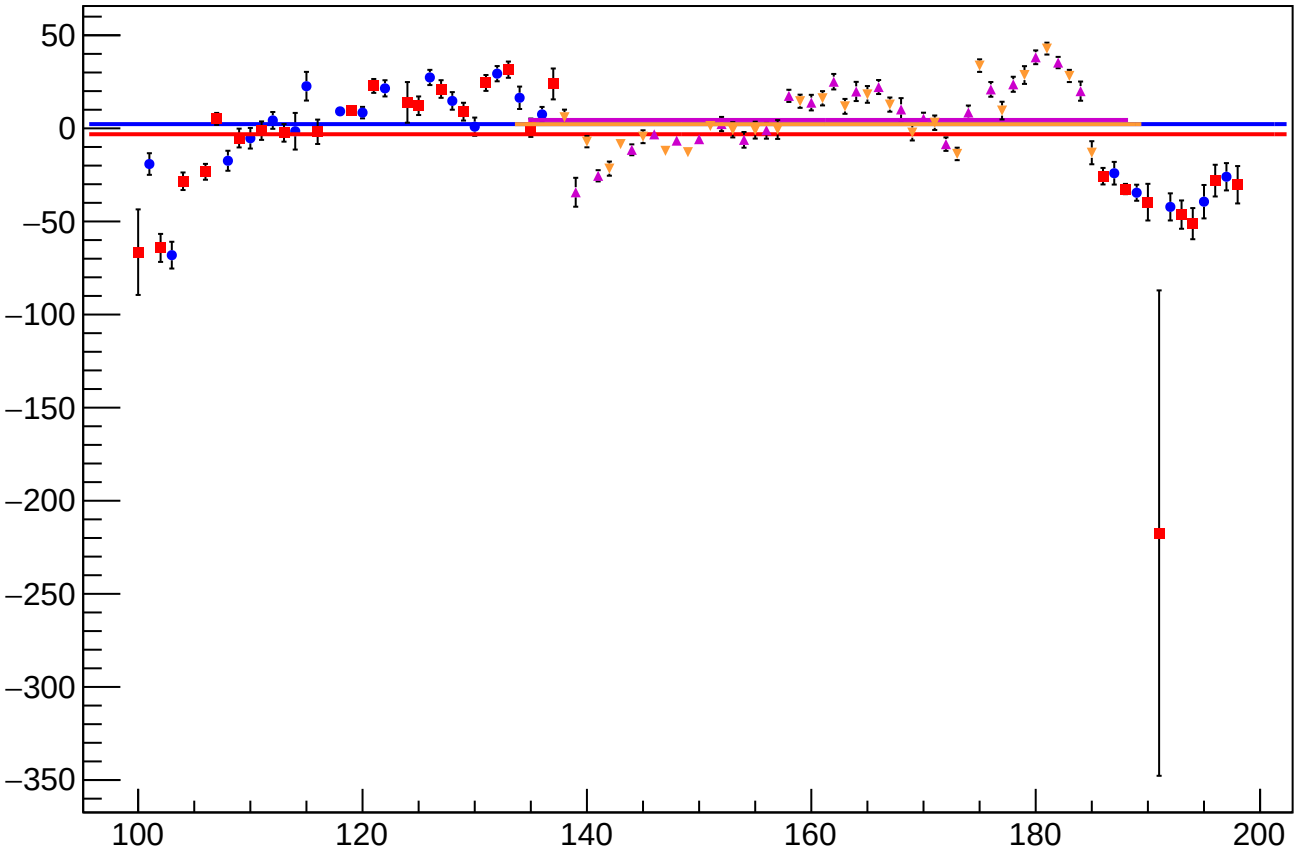
Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.716+/-0.662 χ^2/NDF: 5500.8/45

All: 192.824+/-0.459 χ^2/NDF: 13476.9/95

- sign 196.630+/-0.637 χ^2/NDF: 7901.9/49



Right In: 2.276+/-1.033 χ^2/NDF: 424.2/20

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -3.157+/-0.939 χ^2/NDF: 602.6/26

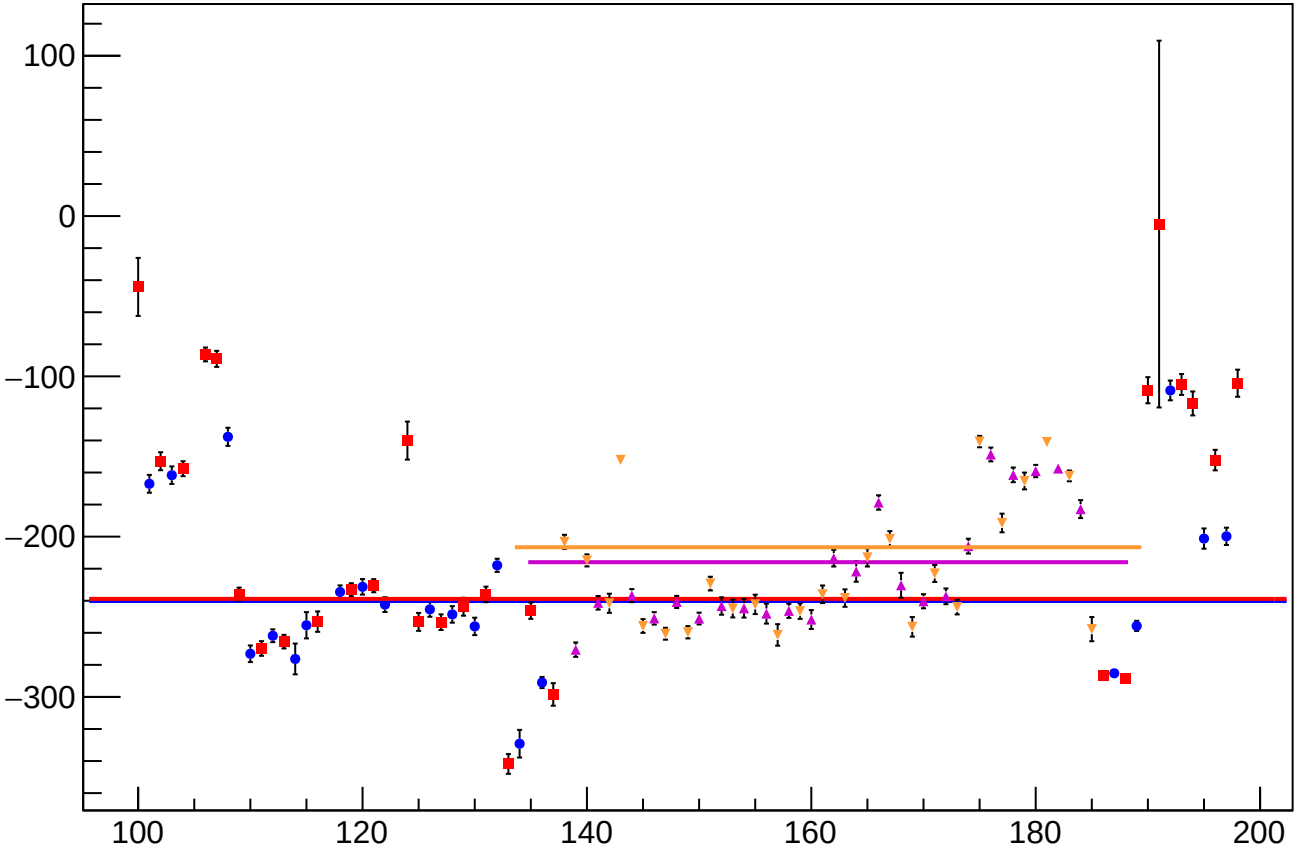
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 2.254+/-0.559 χ^2/NDF: 1025.1/45

All: 1.983+/-0.399 χ^2/NDF: 2217.6/95

\- sign 1.701+/-0.568 χ^2/NDF: 1192.0/49

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -240.172+/-1.035 χ^2/NDF: 1949.3/20

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -238.832+/-0.865 χ^2/NDF: 5982.0/26

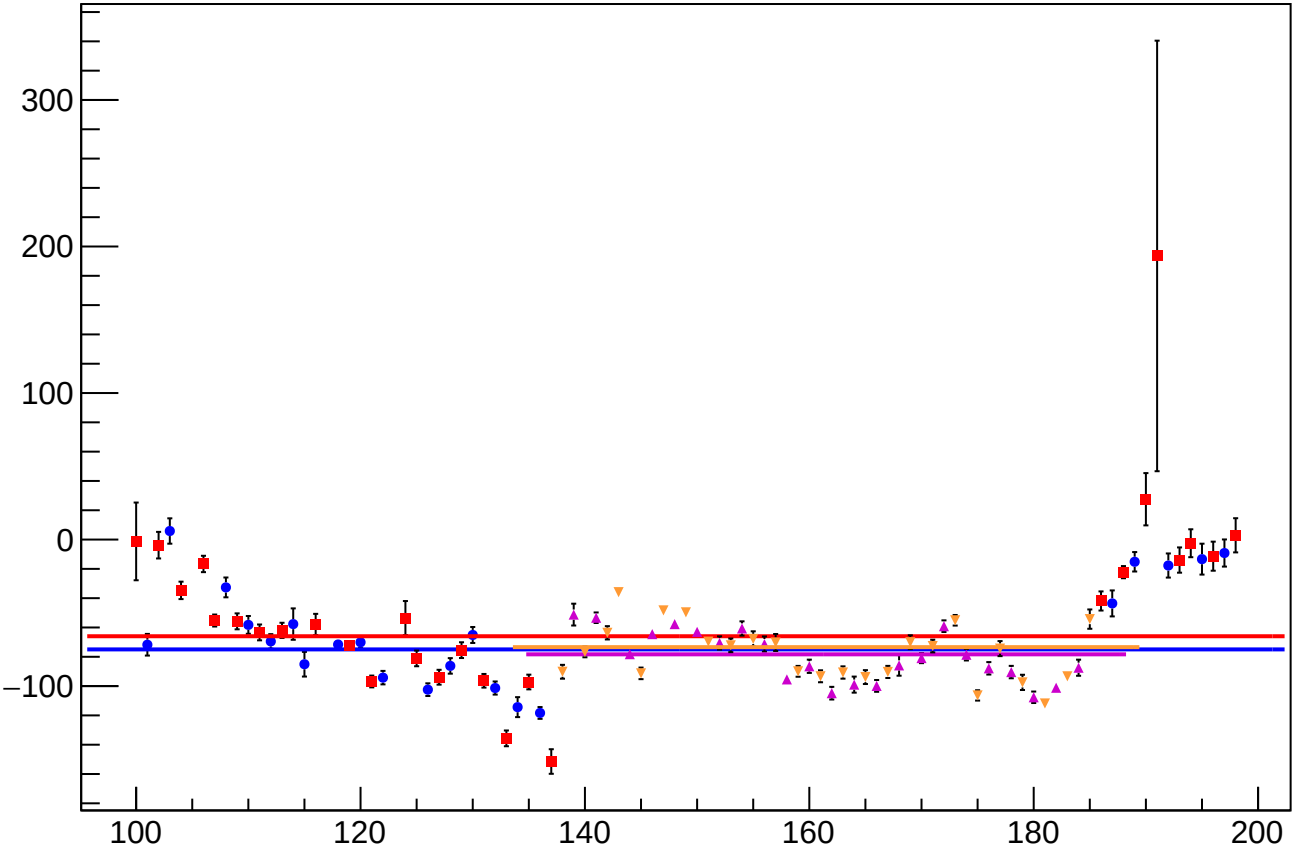
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -220.970+/-0.677 χ^2/NDF: 5018.6/45

All: -224.905+/-0.464 χ^2/NDF: 13095.4/95

- sign -228.408+/-0.638 χ^2/NDF: 8012.8/49

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -74.964+/-1.217 χ^2/NDF: 618.7/20

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

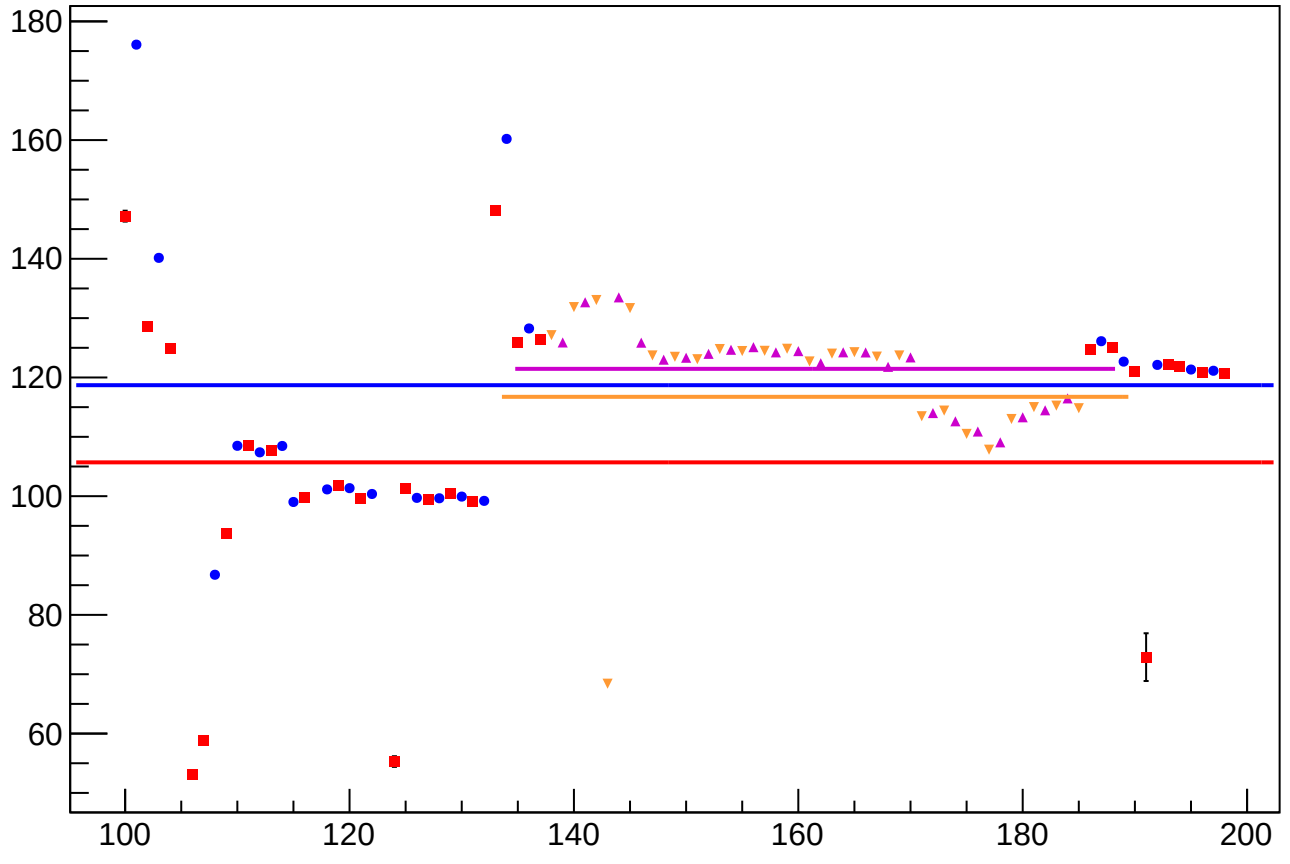
Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.863+/-0.649 χ^2/NDF: 1456.4/45

All: -73.965+/-0.463 χ^2/NDF: 2908.4/95

- sign -74.072+/-0.662 χ^2/NDF: 1451.9/49



Right In: 118.700+/-0.069 χ^2/NDF: 96249.7/20

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

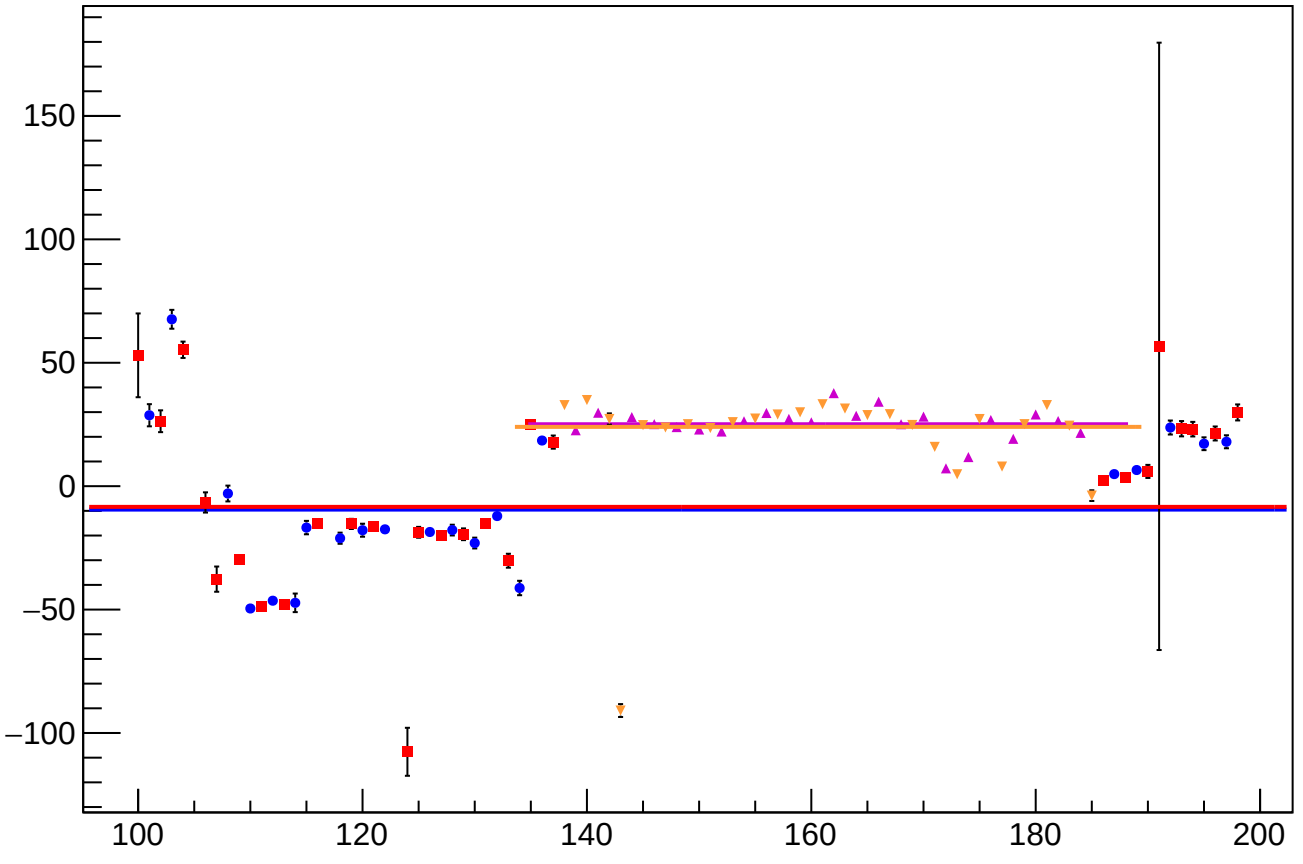
Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.158+/-0.032 χ^2/NDF: 300539.3/45

All: 117.127+/-0.022 χ^2/NDF: 573733.2/95

- sign 117.096+/-0.032 χ^2/NDF: 273192.0/49



Right In: -9.487+/-0.476 χ^2/NDF: 2726.0/20

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -8.386+/-0.420 χ^2/NDF: 3140.9/26

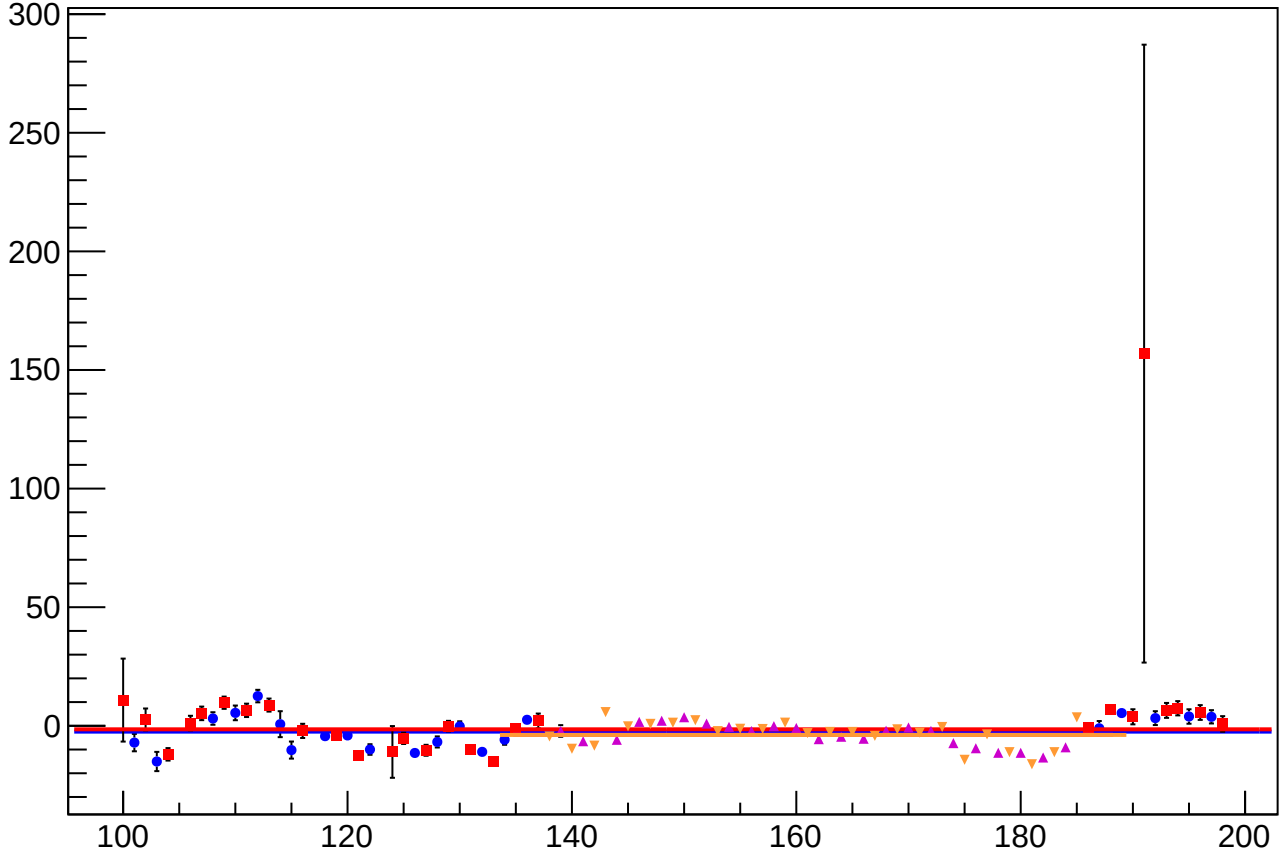
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.317+/-0.243 χ^2/NDF: 9197.3/45

All: 14.857+/-0.170 χ^2/NDF: 17171.4/95

- sign 14.417+/-0.237 χ^2/NDF: 7967.0/49

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -2.448+/-0.502 χ^2/NDF: 155.9/20

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.478+/-0.471 χ^2/NDF: 235.1/26

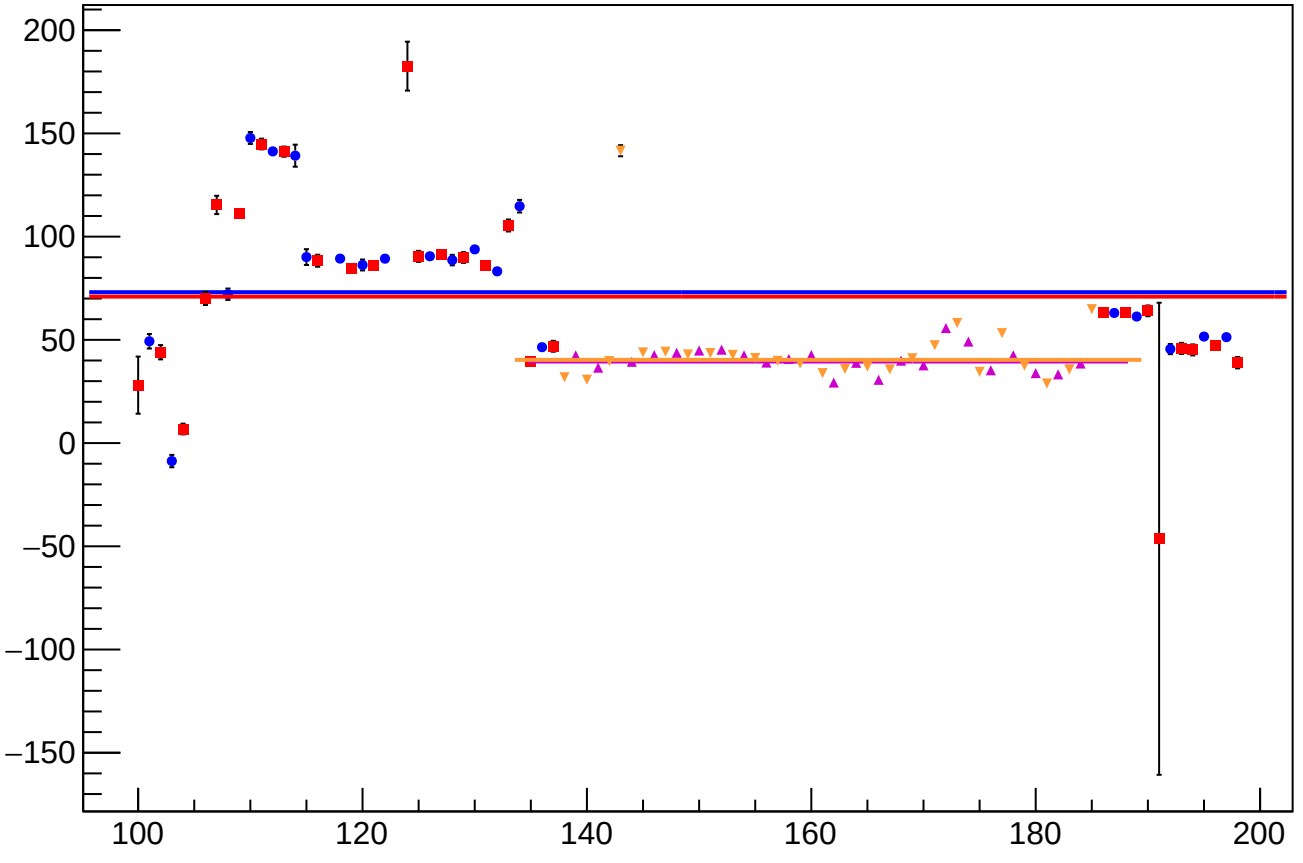
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.624+/-0.200 χ^2/NDF: 811.8/45

All: -3.491+/-0.142 χ^2/NDF: 1577.1/95

- sign -3.356+/-0.202 χ^2/NDF: 764.4/49

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 73.080+/-0.495 χ^2/NDF: 3821.4/20

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

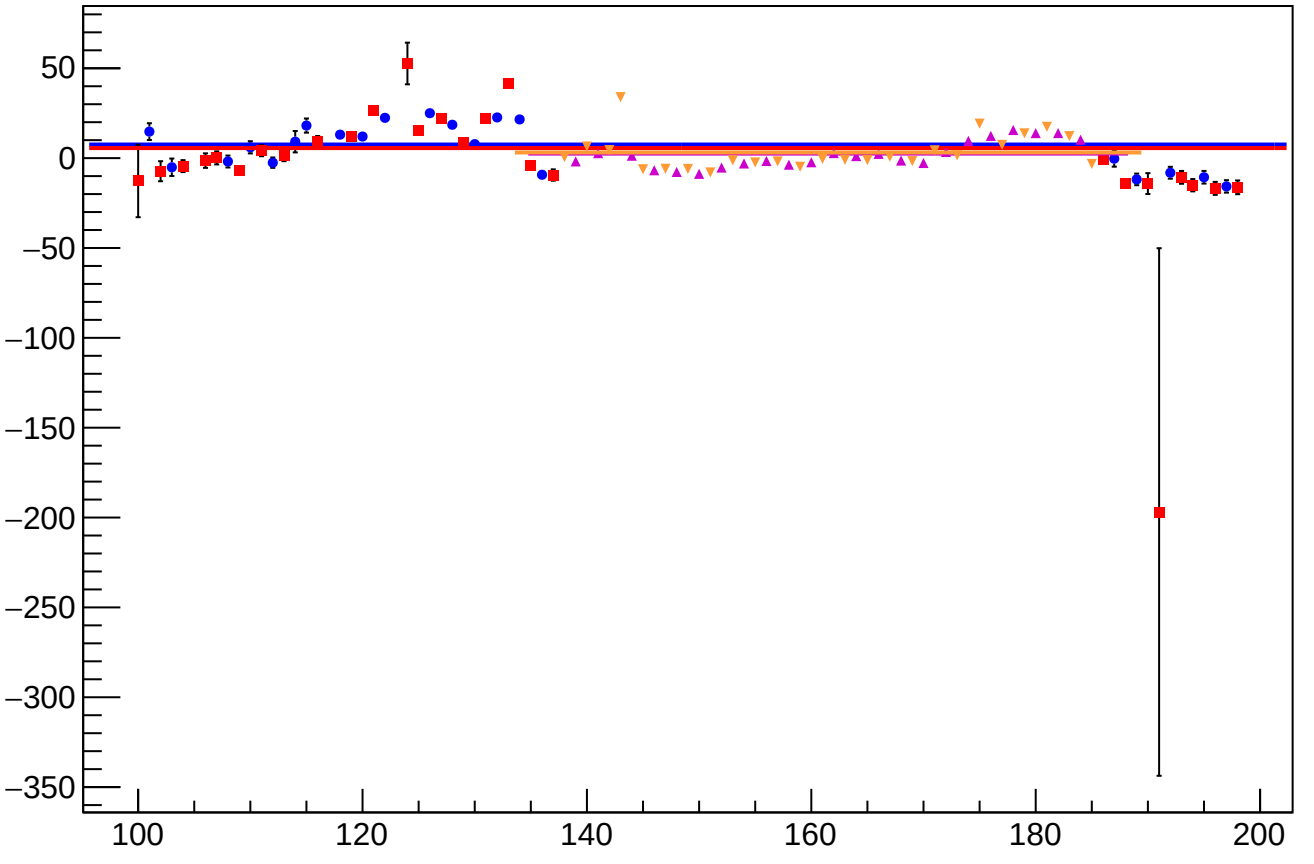
Right Out: 70.941+/-0.418 χ^2/NDF: 4218.2/26

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.263+/-0.244 χ^2/NDF: 9322.3/45

All: 48.886+/-0.169 χ^2/NDF: 17848.7/95

- sign 49.467+/-0.235 χ^2/NDF: 8513.9/49



Right In: 7.572+/-0.582 χ^2/NDF: 513.8/20

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

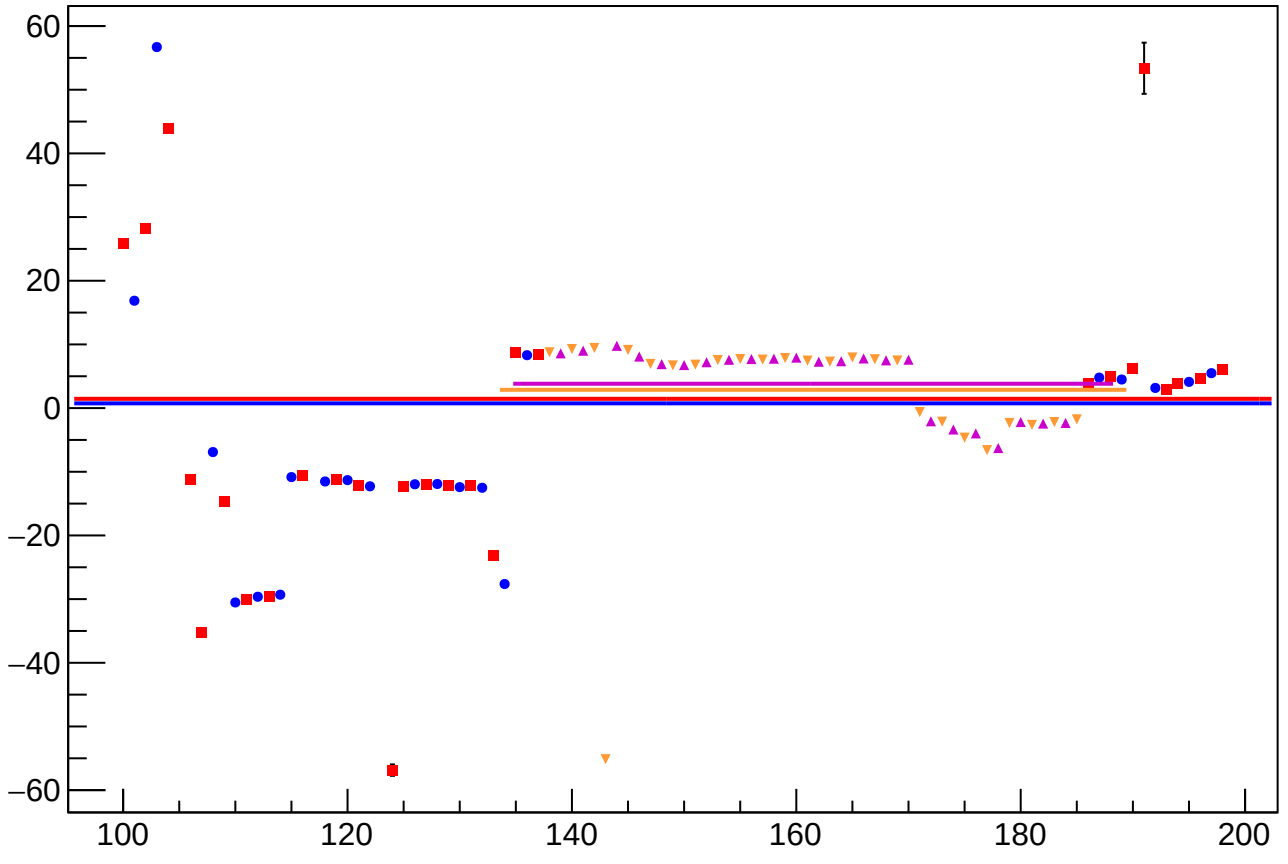
Right Out: 5.587+/-0.561 χ^2/NDF: 757.8/26

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.810+/-0.226 χ^2/NDF: 1830.0/45

All: 3.425+/-0.161 χ^2/NDF: 3586.7/95

- sign 3.030+/-0.229 χ^2/NDF: 1750.9/49



Right In: 0.744+/-0.030 χ^2/NDF: 374011.5/20

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

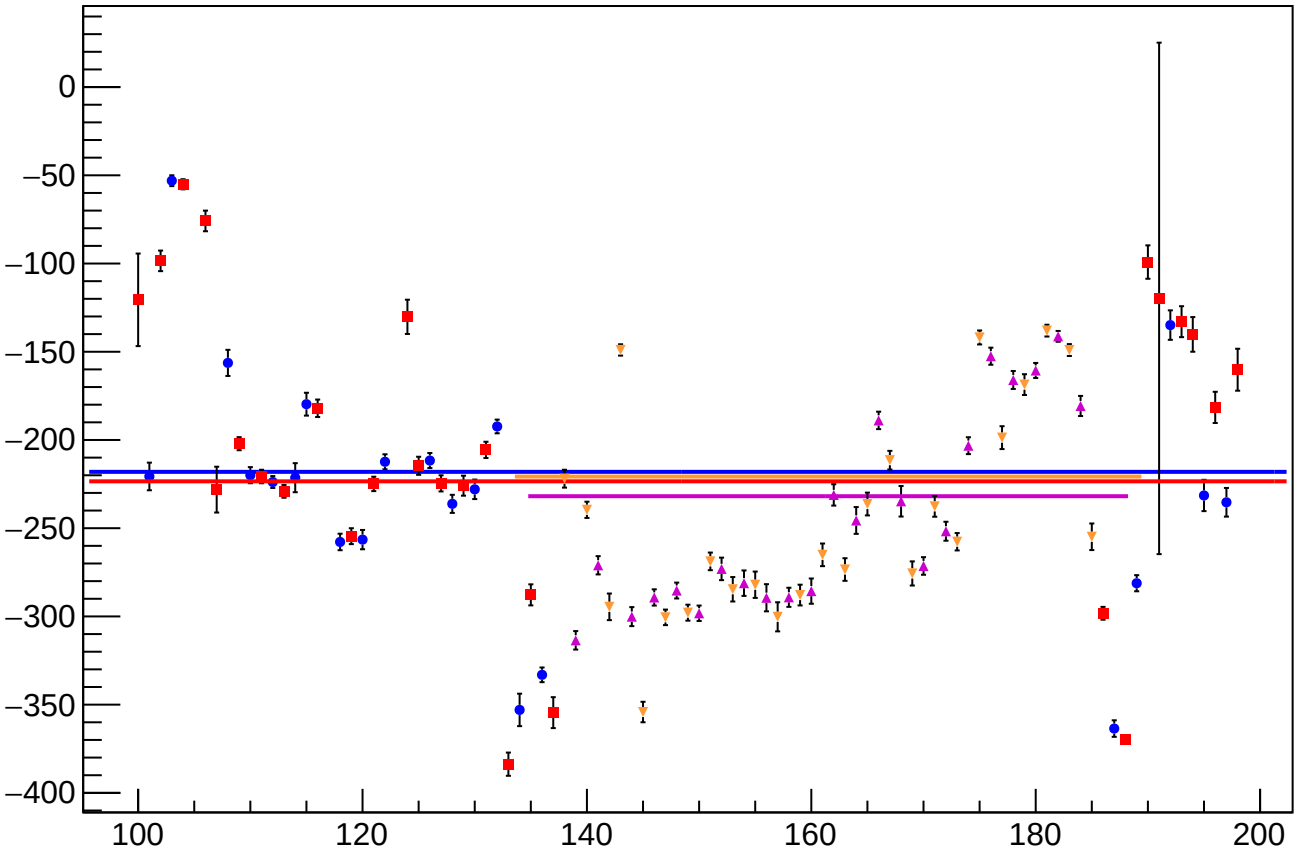
Right Out: 1.457+/-0.029 χ^2/NDF: 324774.5/26

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.620+/-0.010 χ^2/NDF: 890753.2/45

All: 3.067+/-0.007 χ^2/NDF: 1458422.1/95

- sign 3.519+/-0.010 χ^2/NDF: 563888.9/49



Right In: -218.059+/-1.086 χ^2/NDF: 5428.6/20

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -223.439+/-0.960 χ^2/NDF: 9988.3/26

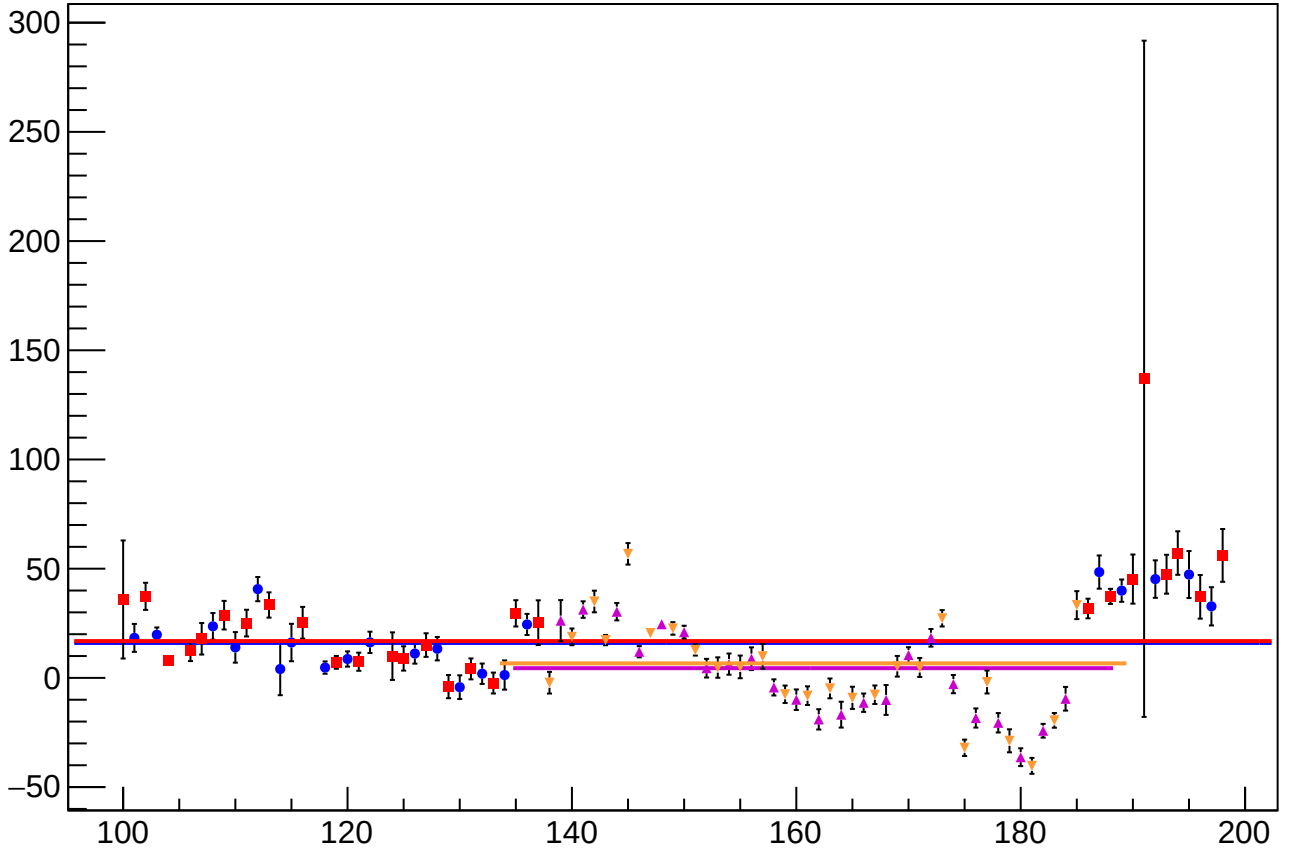
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -219.476+/-0.743 χ^2/NDF: 9484.0/45

All: -223.462+/-0.516 χ^2/NDF: 22722.5/95

- sign -227.174+/-0.717 χ^2/NDF: 13182.8/49

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 16.014+/-1.131 χ^2/NDF: 140.5/20

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 16.846+/-1.012 χ^2/NDF: 200.5/26

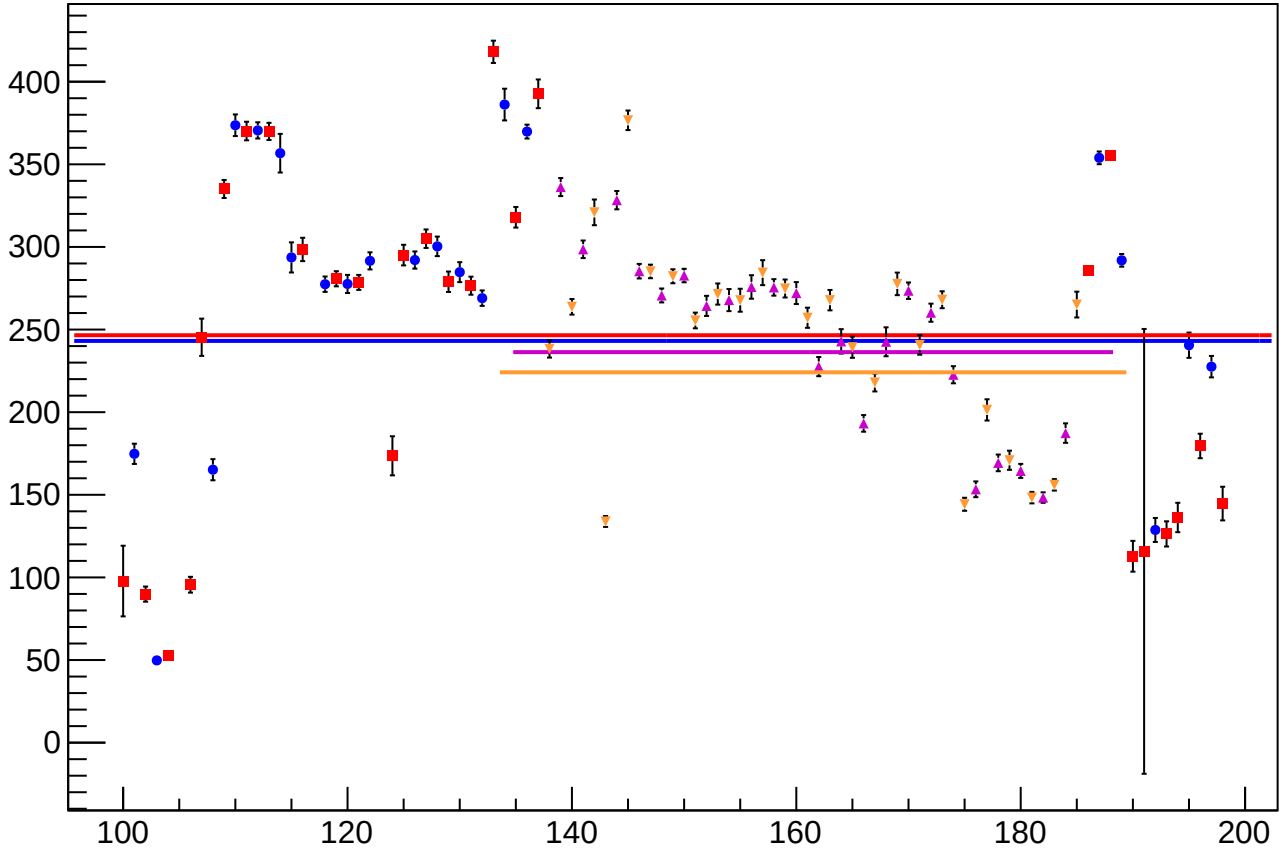
Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

\+ sign 9.519+/-0.626 χ^2/NDF: 923.0/45

All: 9.393+/-0.445 χ^2/NDF: 1782.4/95

\- sign 9.264+/-0.631 χ^2/NDF: 859.3/49

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 243.128+/-1.101 χ^2/NDF: 10727.4/20

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

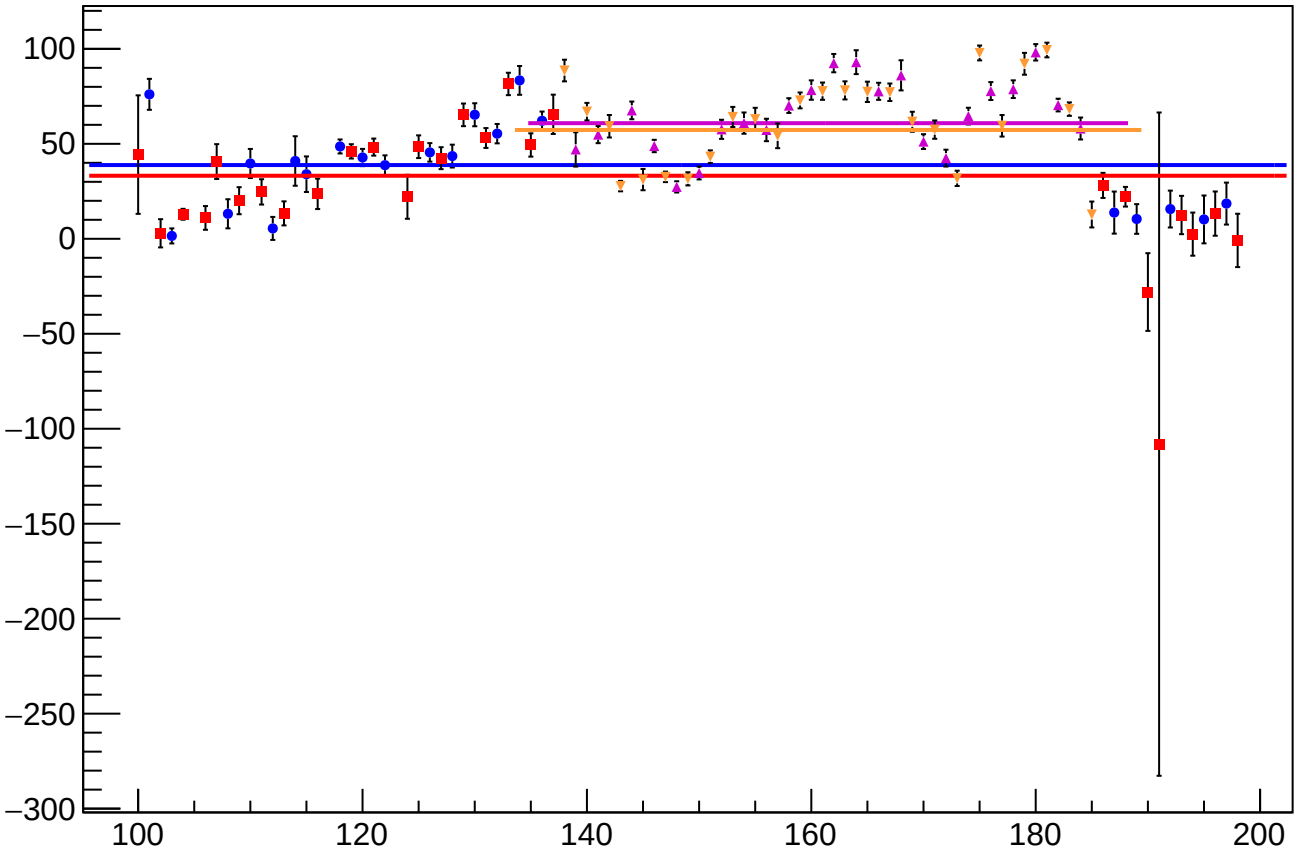
Right Out: 246.556+/-0.938 χ^2/NDF: 16241.2/26

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 232.845+/-0.746 χ^2/NDF: 14855.4/45

All: 237.736+/-0.512 χ^2/NDF: 34222.7/95

- sign 242.101+/-0.704 χ^2/NDF: 19285.9/49



Right In: 38.818+/-1.334 χ^2/NDF: 281.4/20

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

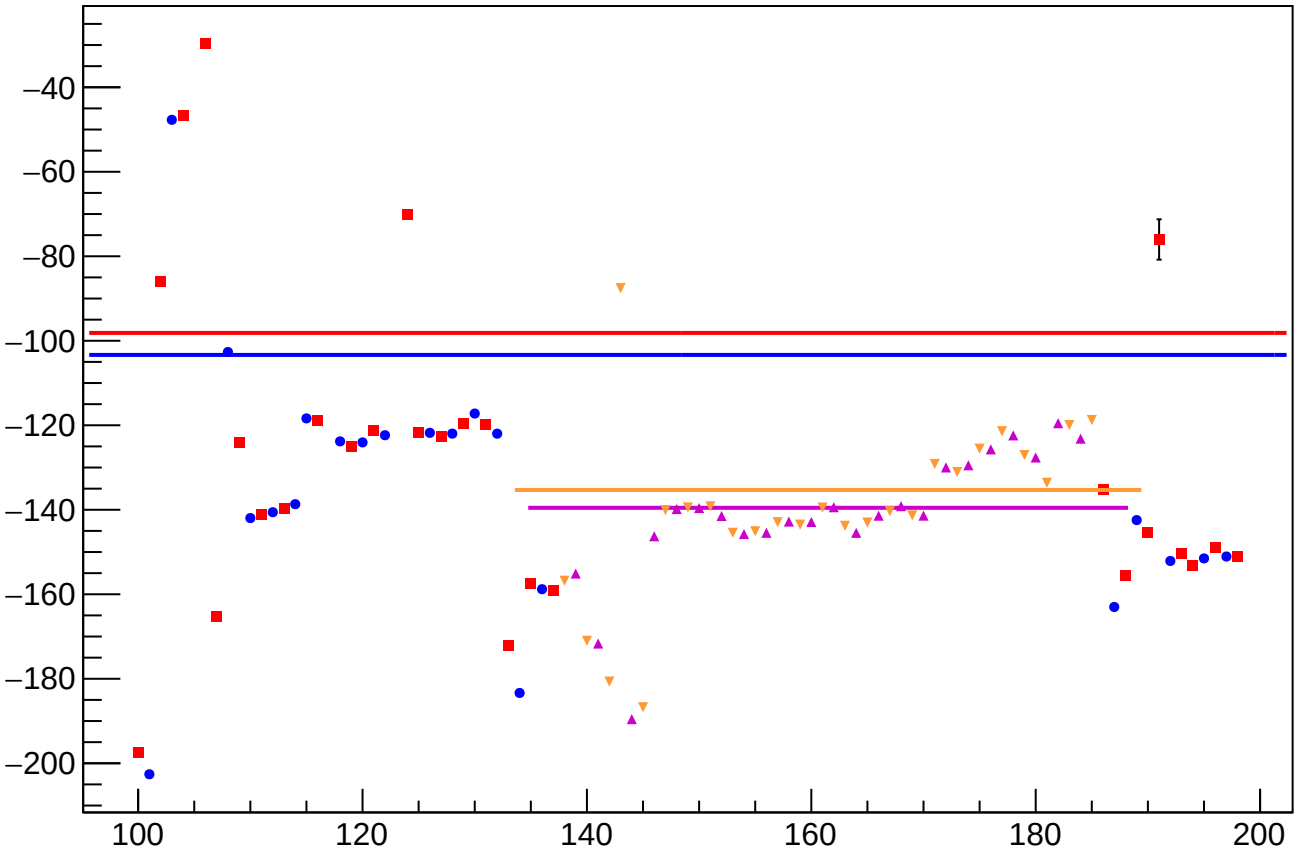
Right Out: 33.193+/-1.222 χ^2/NDF: 291.9/26

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 51.796+/-0.728 χ^2/NDF: 1183.9/45

All: 51.319+/-0.518 χ^2/NDF: 2258.2/95

- sign 50.830+/-0.736 χ^2/NDF: 1073.4/49



Right In: -103.345+/-0.064 χ^2/NDF: 610627.5/20

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -98.139+/-0.060 χ^2/NDF: 664065.6/26

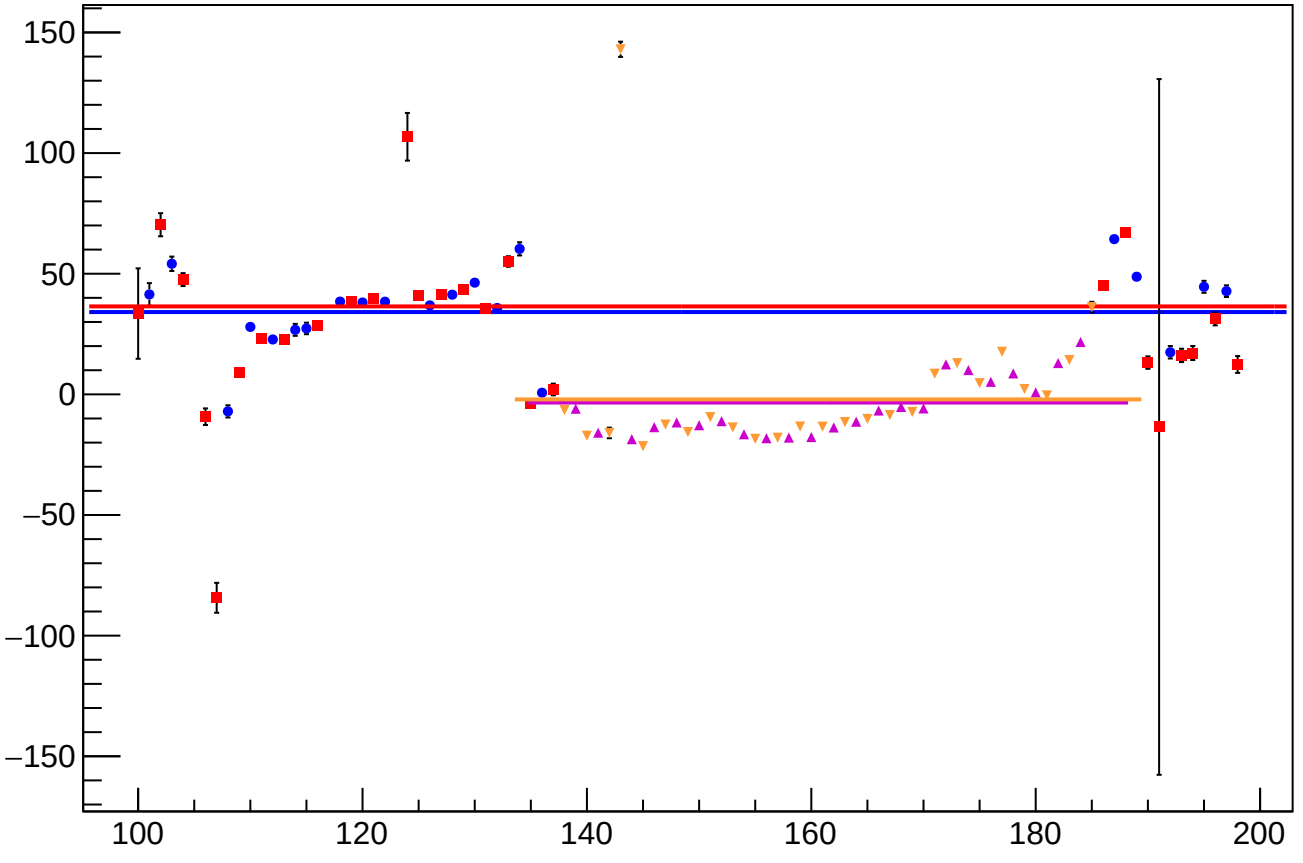
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -126.199+/-0.034 χ^2/NDF: 1050273.4/45

All: -126.066+/-0.024 χ^2/NDF: 2146364.4/95

- sign -125.931+/-0.035 χ^2/NDF: 1096060.7/49

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 34.109+/-0.373 χ^2/NDF: 2223.8/20

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

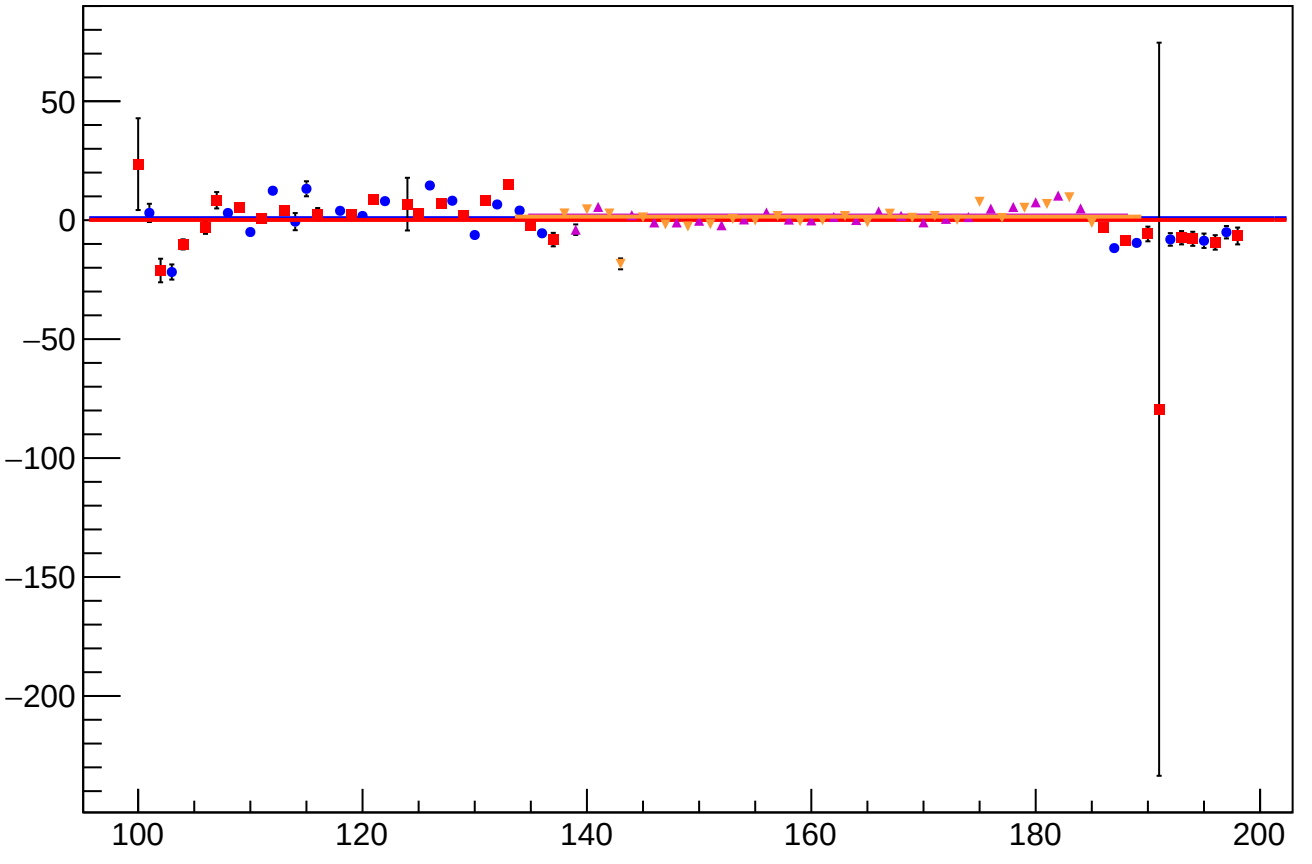
Right Out: 36.453+/-0.320 χ^2/NDF: 4536.4/26

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 10.166+/-0.217 χ^2/NDF: 12660.0/45

All: 11.778+/-0.150 χ^2/NDF: 28061.8/95

\- sign 13.247+/-0.207 χ^2/NDF: 15296.3/49



Right In: 0.839+/-0.403 χ^2/NDF: 381.7/20

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.103+/-0.370 χ^2/NDF: 348.5/26

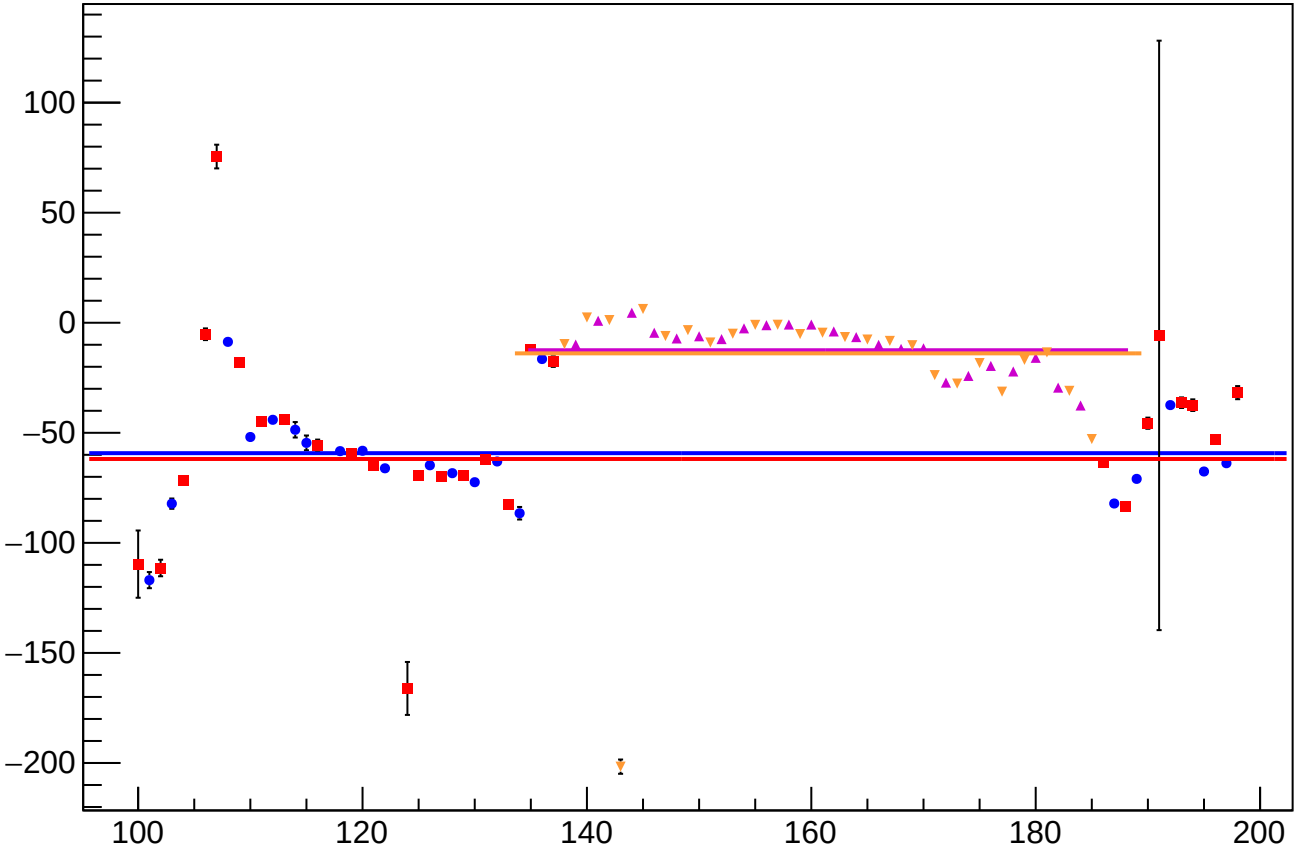
Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.355+/-0.183 χ^2/NDF: 712.4/45

All: 1.420+/-0.129 χ^2/NDF: 1320.3/95

\- sign 1.486+/-0.183 χ^2/NDF: 607.7/49

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -59.252+/-0.390 χ^2/NDF: 3220.2/20

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

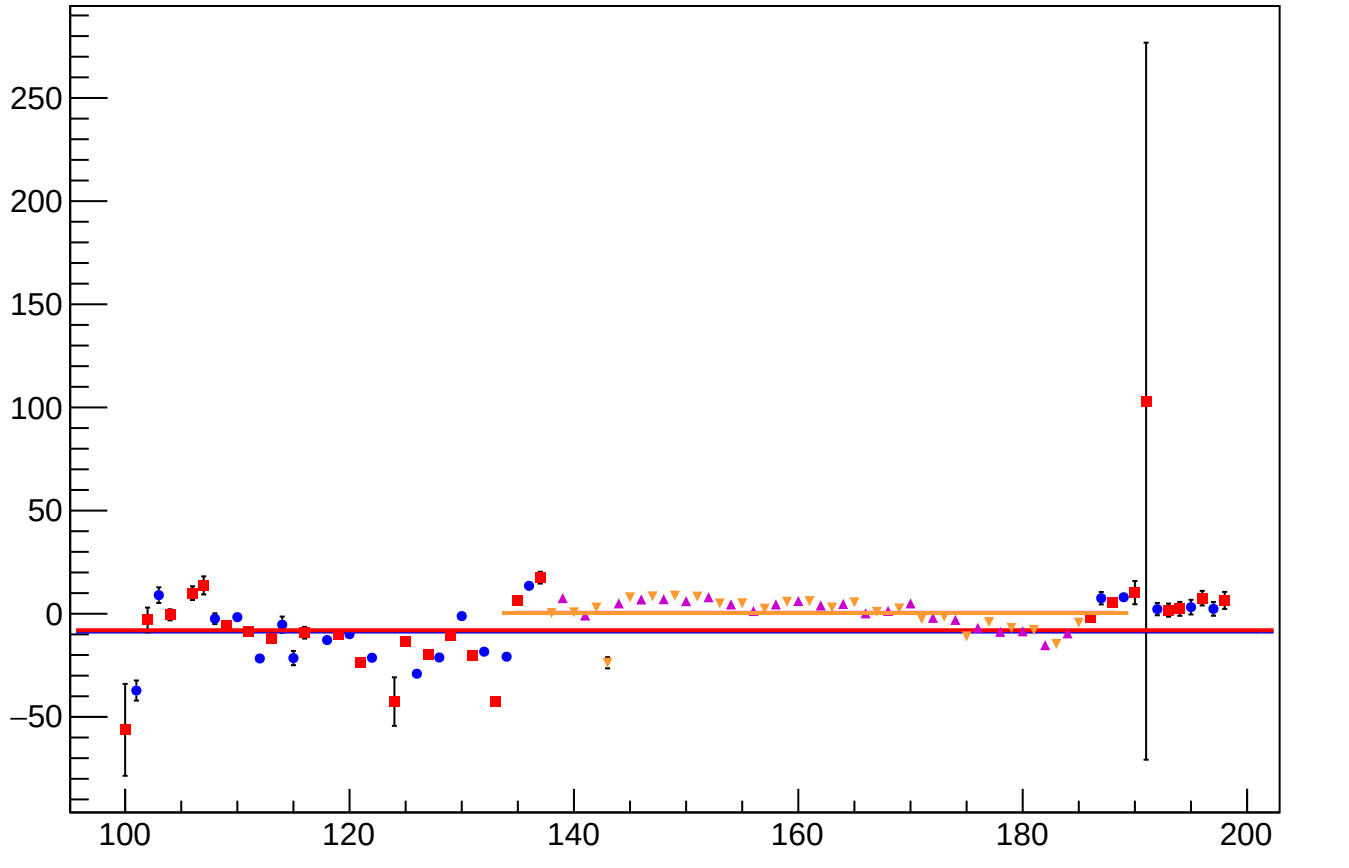
Right Out: -61.889+/-0.316 χ^2/NDF: 5307.7/26

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -28.210+/-0.219 χ^2/NDF: 17604.0/45

All: -30.871+/-0.150 χ^2/NDF: 38783.2/95

- sign -33.198+/-0.205 χ^2/NDF: 20902.5/49



Right In: -8.629+/-0.472 χ^2/NDF: 798.0/20

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

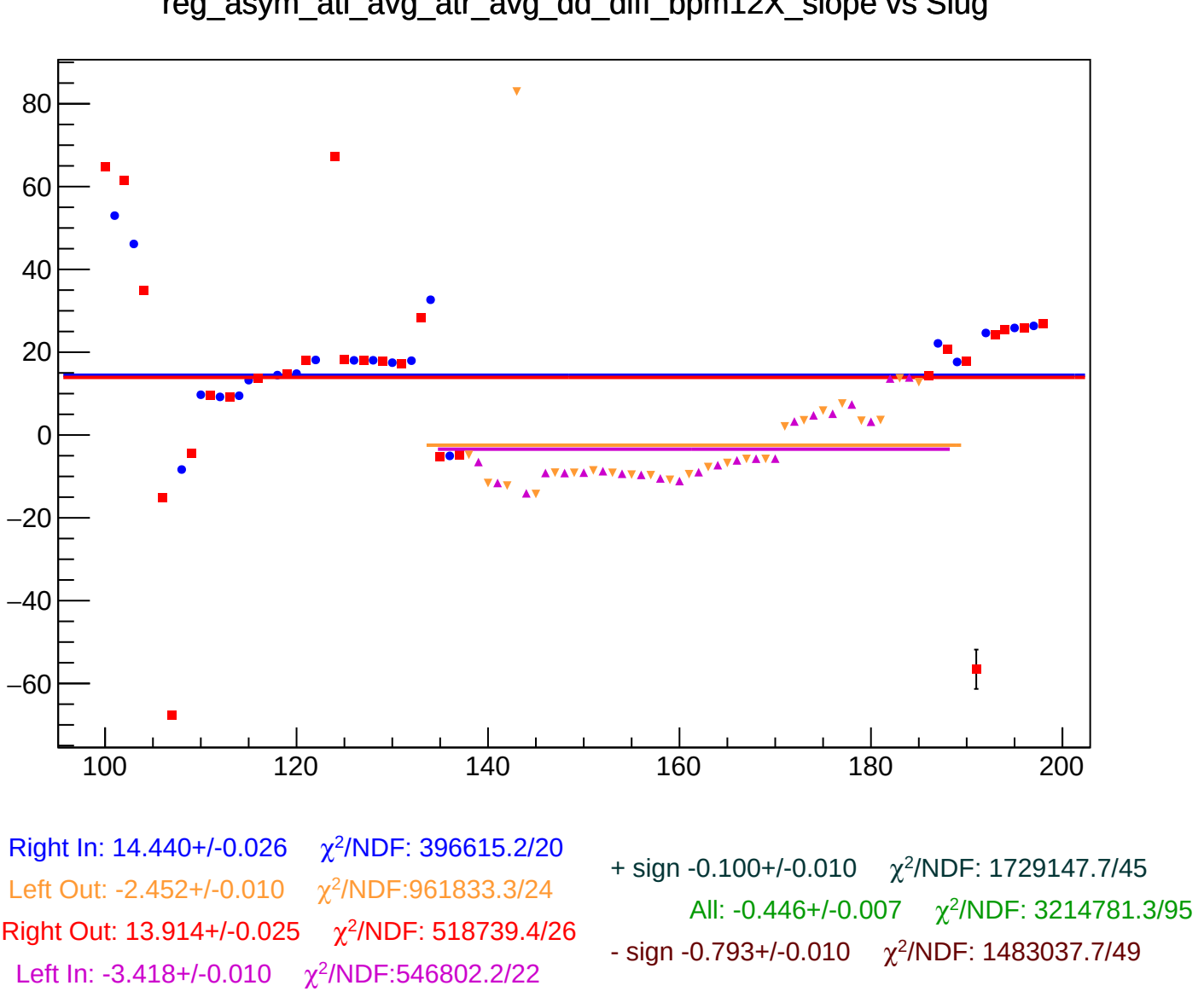
Right Out: -8.003+/-0.448 χ^2/NDF: 864.9/26

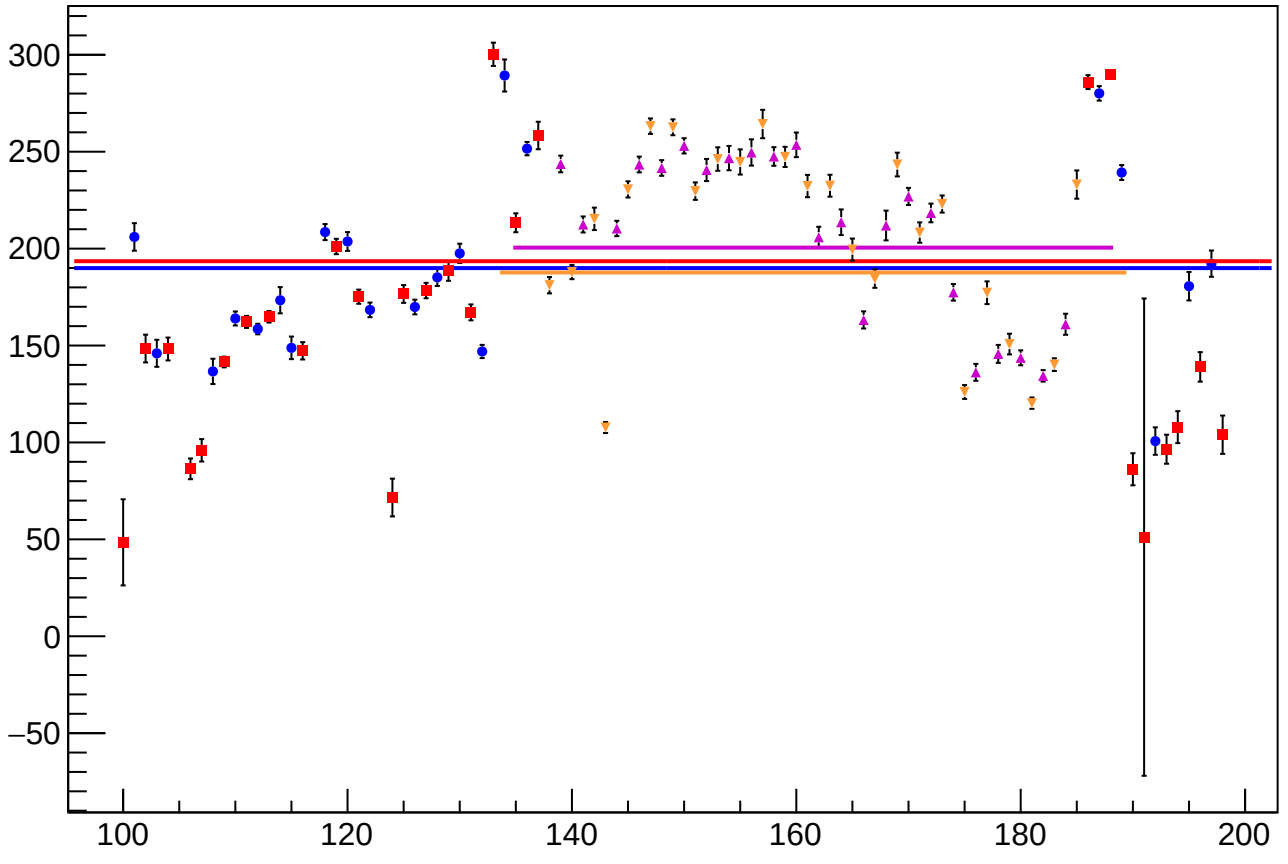
Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.394+/-0.208 χ^2/NDF: 2011.5/45

All: -1.401+/-0.147 χ^2/NDF: 3935.7/95

\- sign -1.408+/-0.209 χ^2/NDF: 1924.2/49


reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 14.440+/-0.026 χ²/NDF: 396615.2/20
Left Out: -2.452+/-0.010 χ²/NDF:961833.3/24
Right Out: 13.914+/-0.025 χ²/NDF: 518739.4/26
Left In: -3.418+/-0.010 χ²/NDF:546802.2/22
+ sign -0.100+/-0.010 χ²/NDF: 1729147.7/45
All: -0.446+/-0.007 χ²/NDF: 3214781.3/95
- sign -0.793+/-0.010 χ²/NDF: 1483037.7/49



Right In: 189.951+/-0.980 χ^2/NDF: 1969.5/20

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

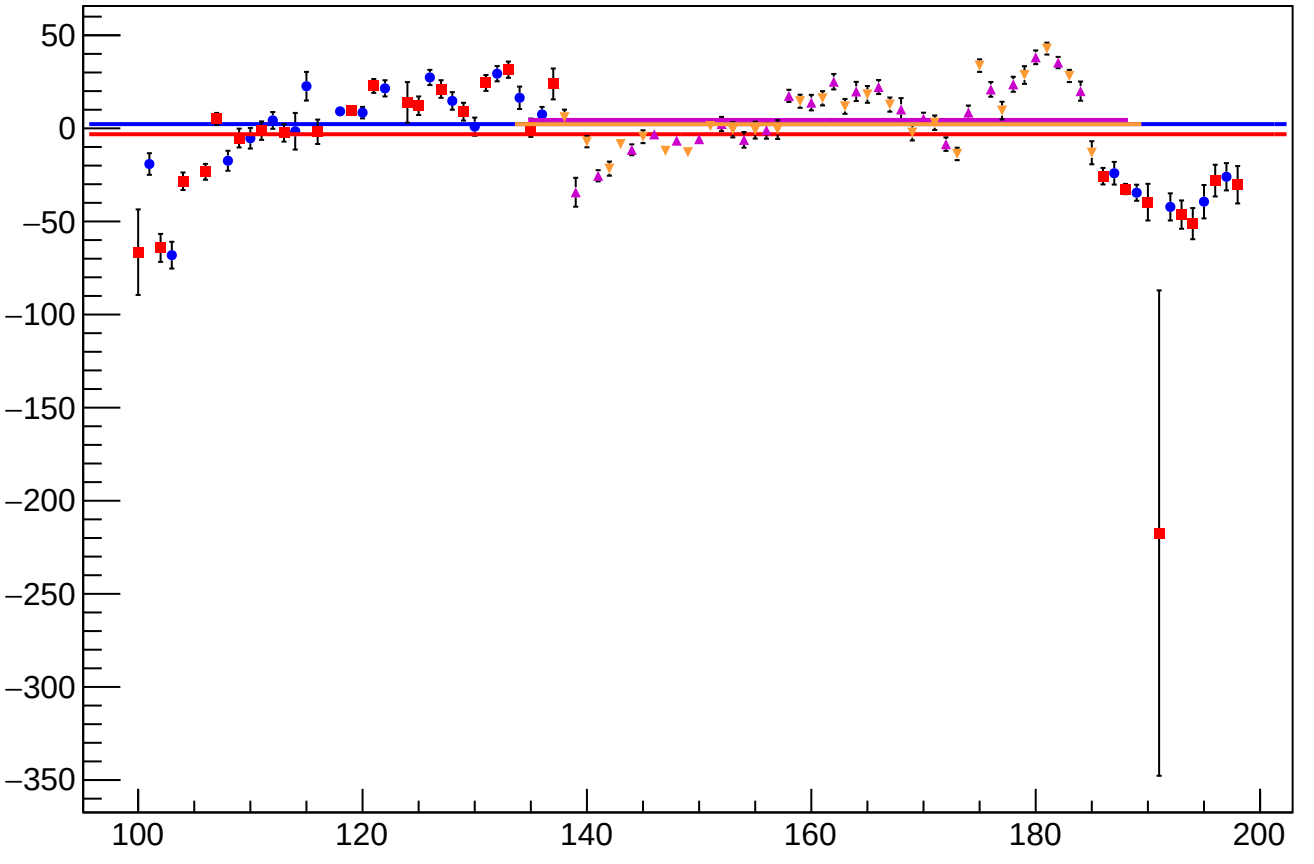
Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.716+/-0.662 χ^2/NDF: 5500.8/45

All: 192.824+/-0.459 χ^2/NDF: 13476.9/95

- sign 196.630+/-0.637 χ^2/NDF: 7901.9/49



Right In: 2.276+/-1.033 χ^2/NDF: 424.2/20

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

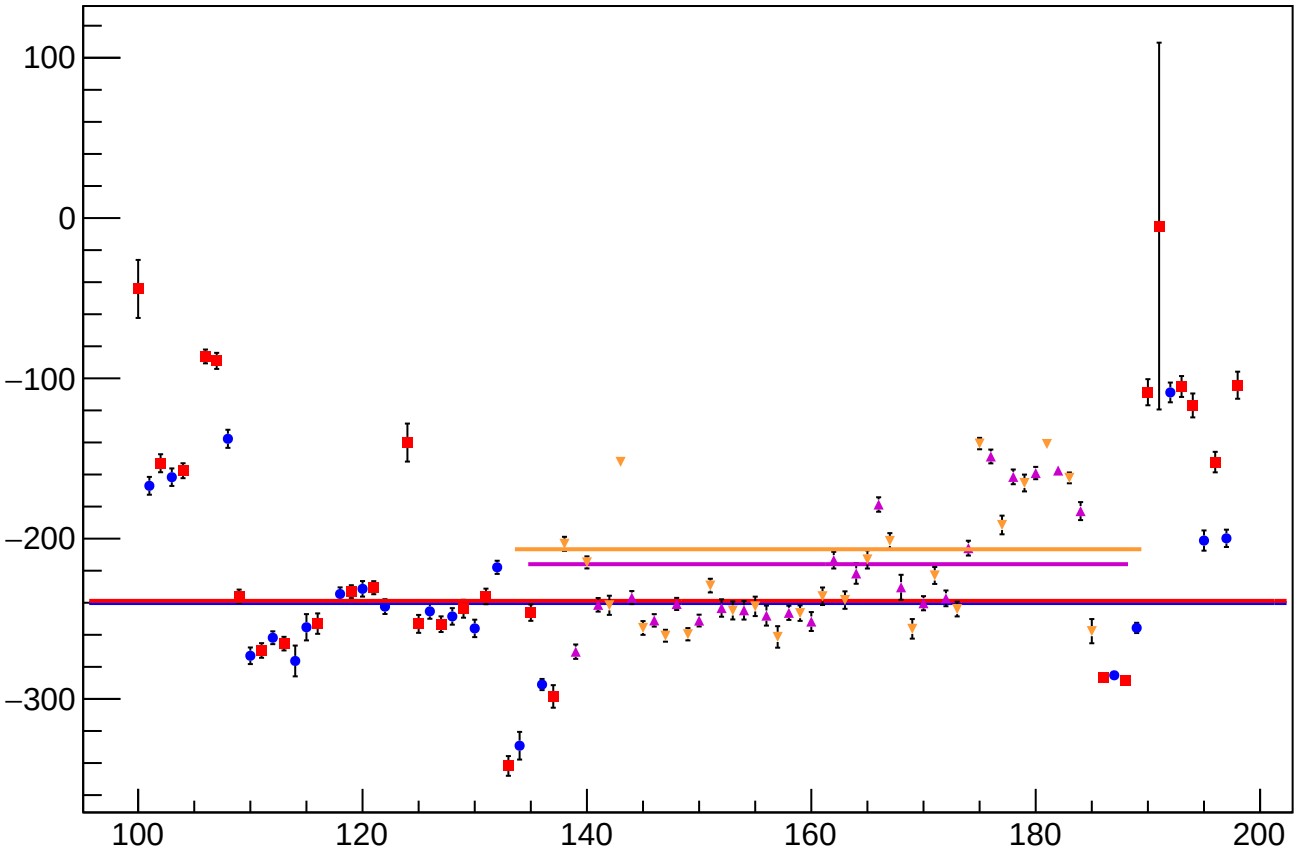
Right Out: -3.157+/-0.939 χ^2/NDF: 602.6/26

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 2.254+/-0.559 χ^2/NDF: 1025.1/45

All: 1.983+/-0.399 χ^2/NDF: 2217.6/95

\- sign 1.701+/-0.568 χ^2/NDF: 1192.0/49



Right In: -240.172+/-1.035 χ^2/NDF: 1949.3/20

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

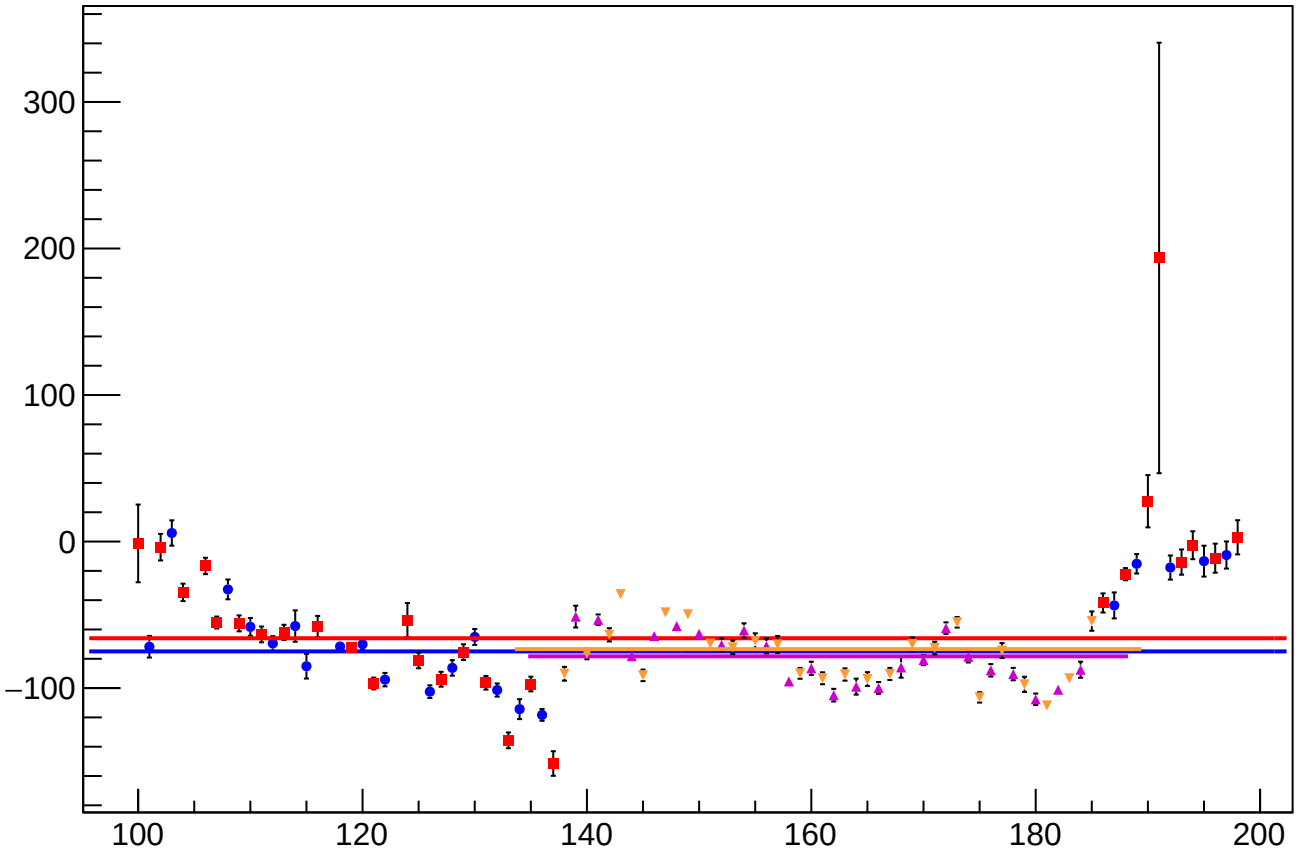
Right Out: -238.832+/-0.865 χ^2/NDF: 5982.0/26

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -220.970+/-0.677 χ^2/NDF: 5018.6/45

All: -224.905+/-0.464 χ^2/NDF: 13095.4/95

- sign -228.408+/-0.638 χ^2/NDF: 8012.8/49



Right In: -74.964+/-1.217 χ^2/NDF: 618.7/20

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

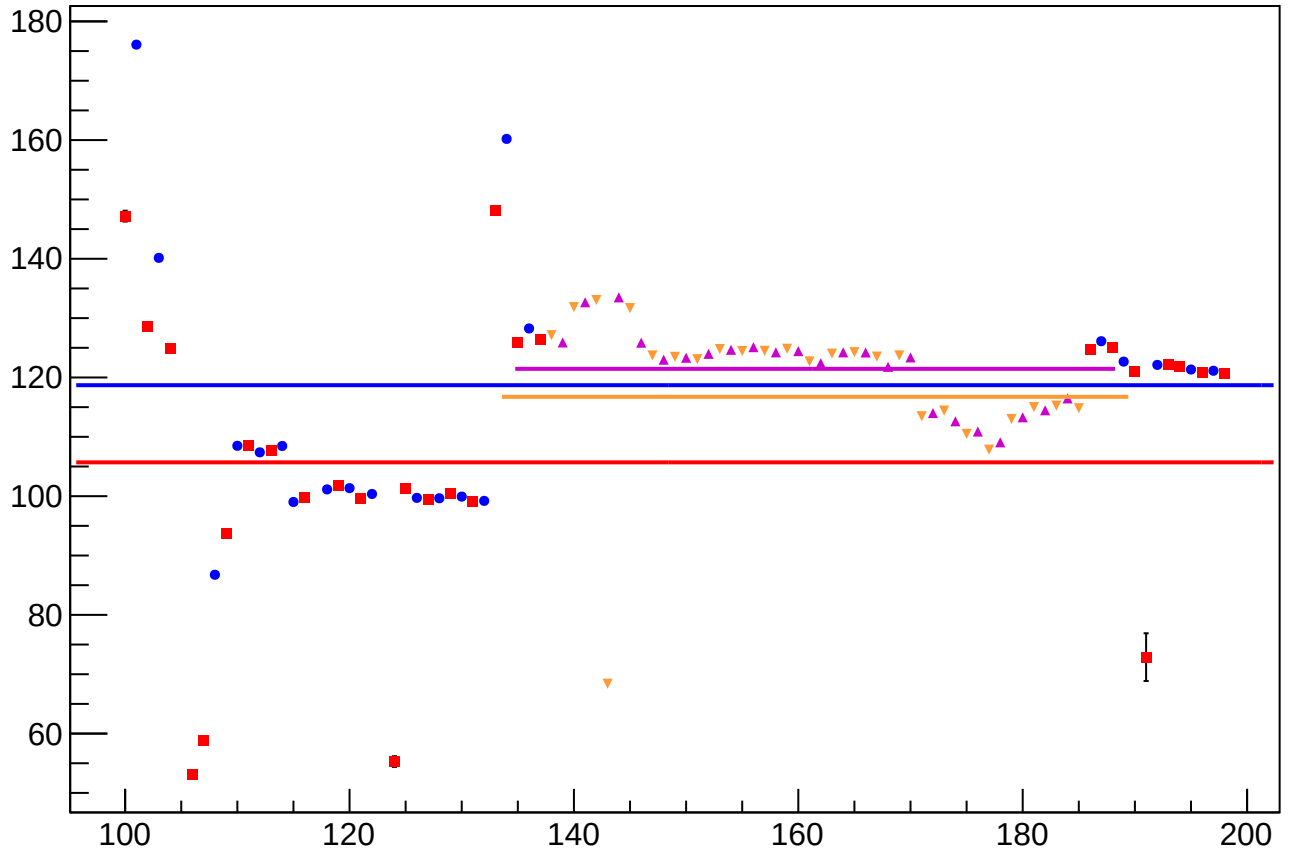
Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.863+/-0.649 χ^2/NDF: 1456.4/45

All: -73.965+/-0.463 χ^2/NDF: 2908.4/95

- sign -74.072+/-0.662 χ^2/NDF: 1451.9/49



Right In: 118.700+/-0.069 χ^2/NDF: 96249.7/20

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

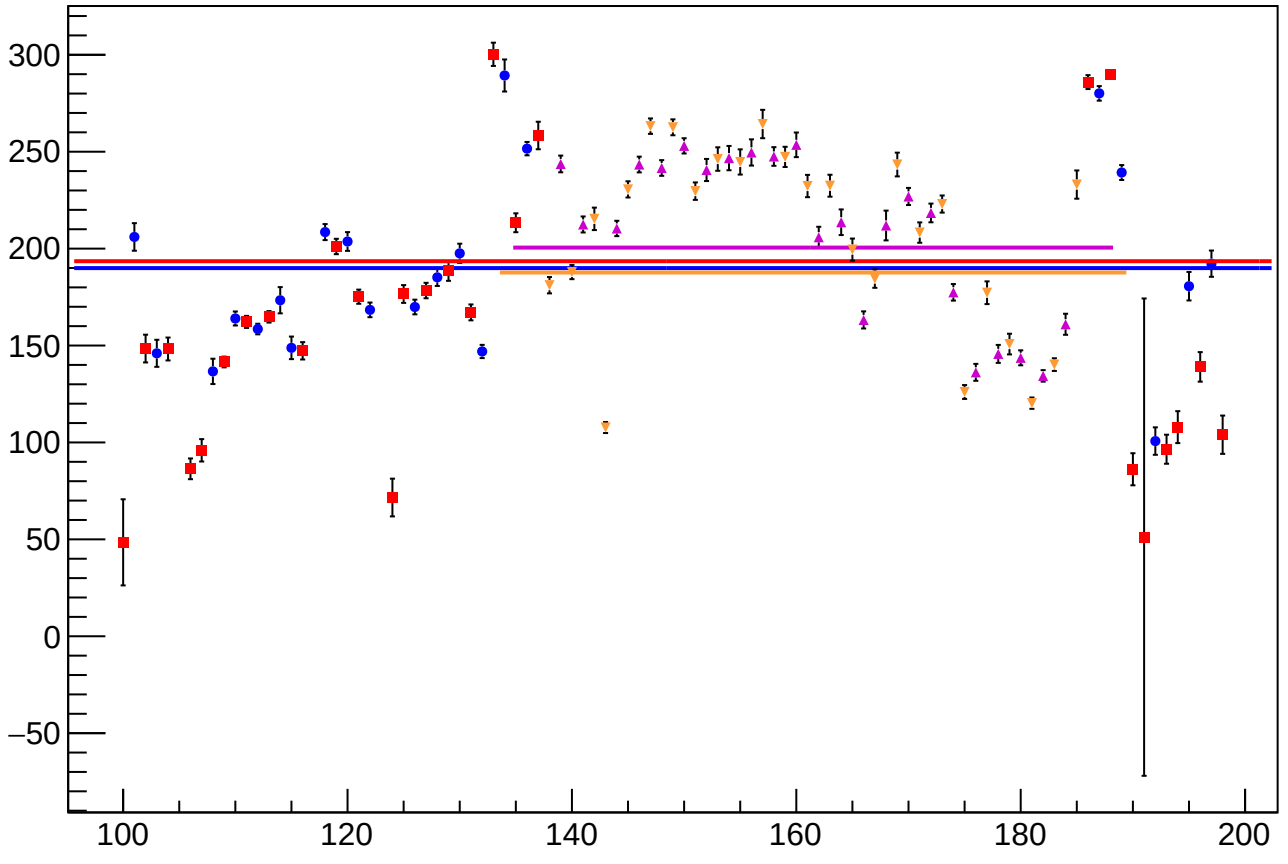
Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.158+/-0.032 χ^2/NDF: 300539.3/45

All: 117.127+/-0.022 χ^2/NDF: 573733.2/95

- sign 117.096+/-0.032 χ^2/NDF: 273192.0/49



Right In: 189.951+/-0.980 χ^2/NDF: 1969.5/20

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

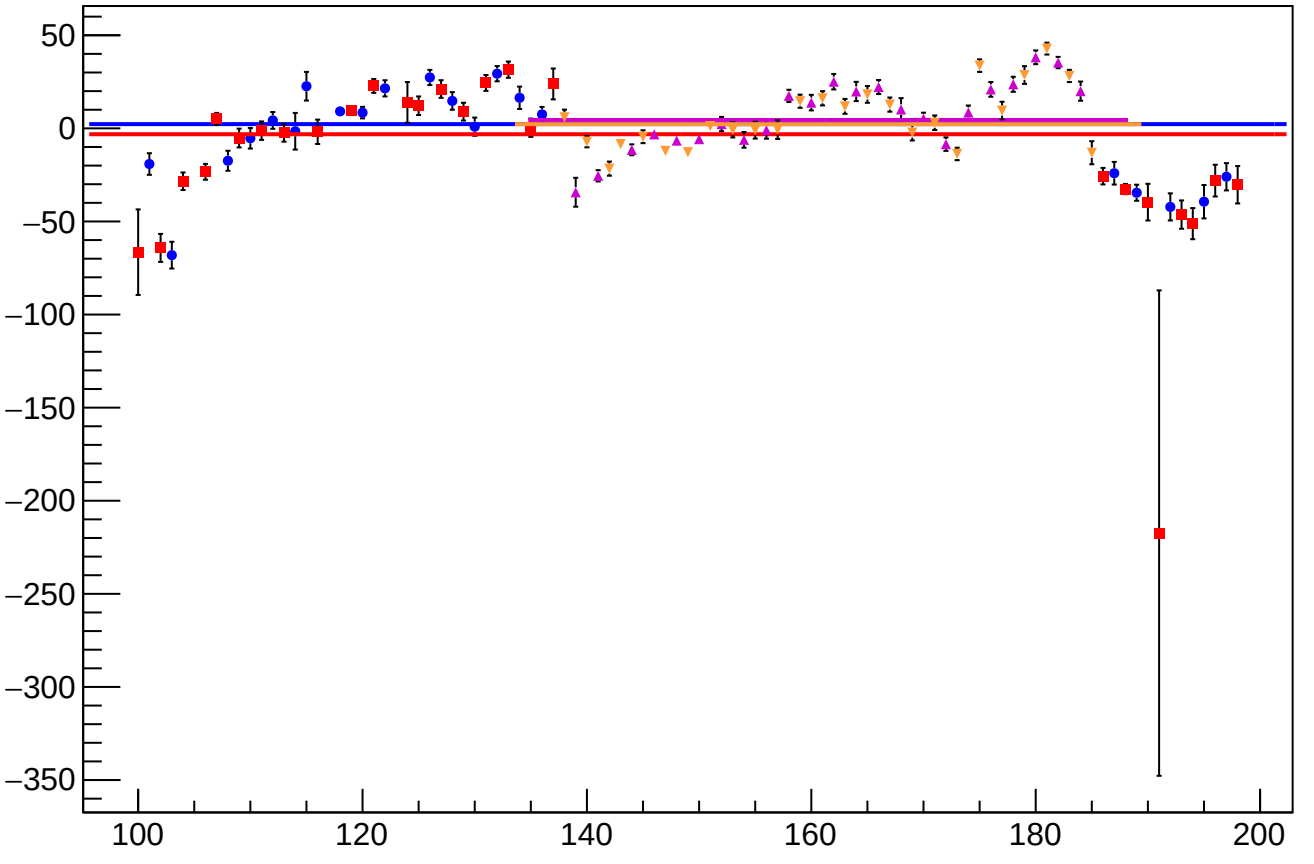
Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.716+/-0.662 χ^2/NDF: 5500.8/45

All: 192.824+/-0.459 χ^2/NDF: 13476.9/95

- sign 196.630+/-0.637 χ^2/NDF: 7901.9/49



Right In: 2.276+/-1.033 χ^2/NDF: 424.2/20

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -3.157+/-0.939 χ^2/NDF: 602.6/26

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.254+/-0.559 χ^2/NDF: 1025.1/45

All: 1.983+/-0.399 χ^2/NDF: 2217.6/95

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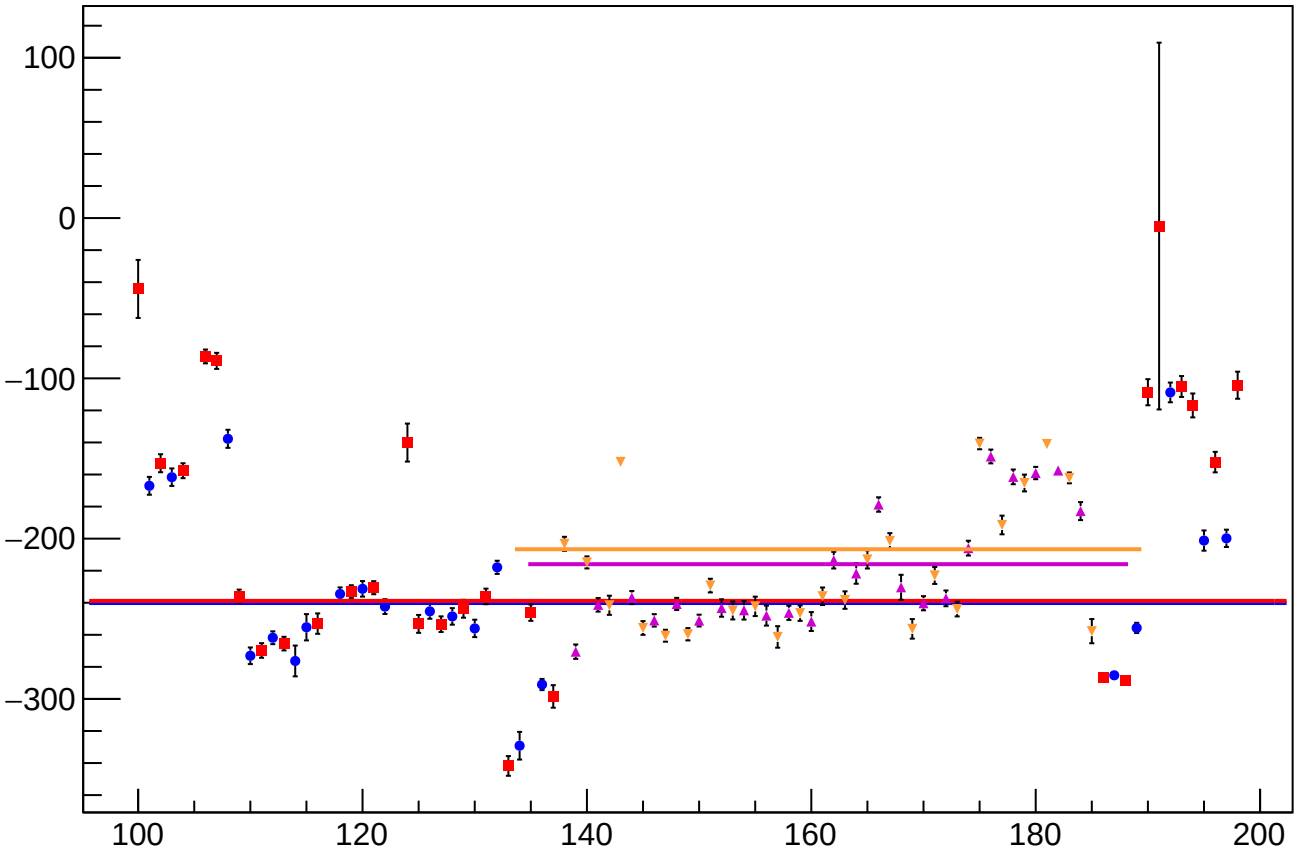


Right In: -240.172+/-1.035 χ^2/NDF: 1949.3/20

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

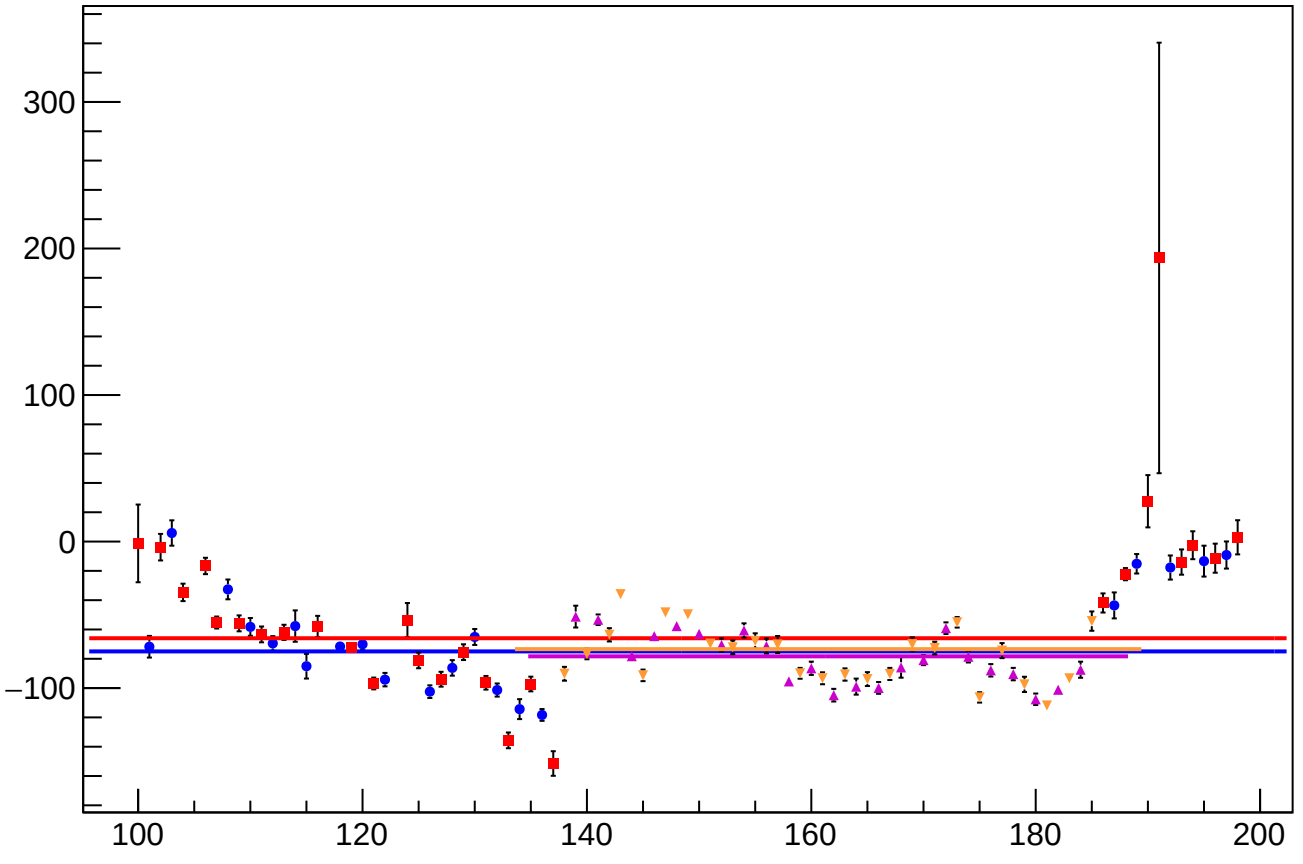
Right Out: -238.832+/-0.865 χ^2/NDF: 5982.0/26

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -220.970+/-0.677 χ^2/NDF: 5018.6/45

All: -224.905+/-0.464 χ^2/NDF: 13095.4/95

- sign -228.408+/-0.638 χ^2/NDF: 8012.8/49



Right In: -74.964+/-1.217 χ^2/NDF: 618.7/20

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

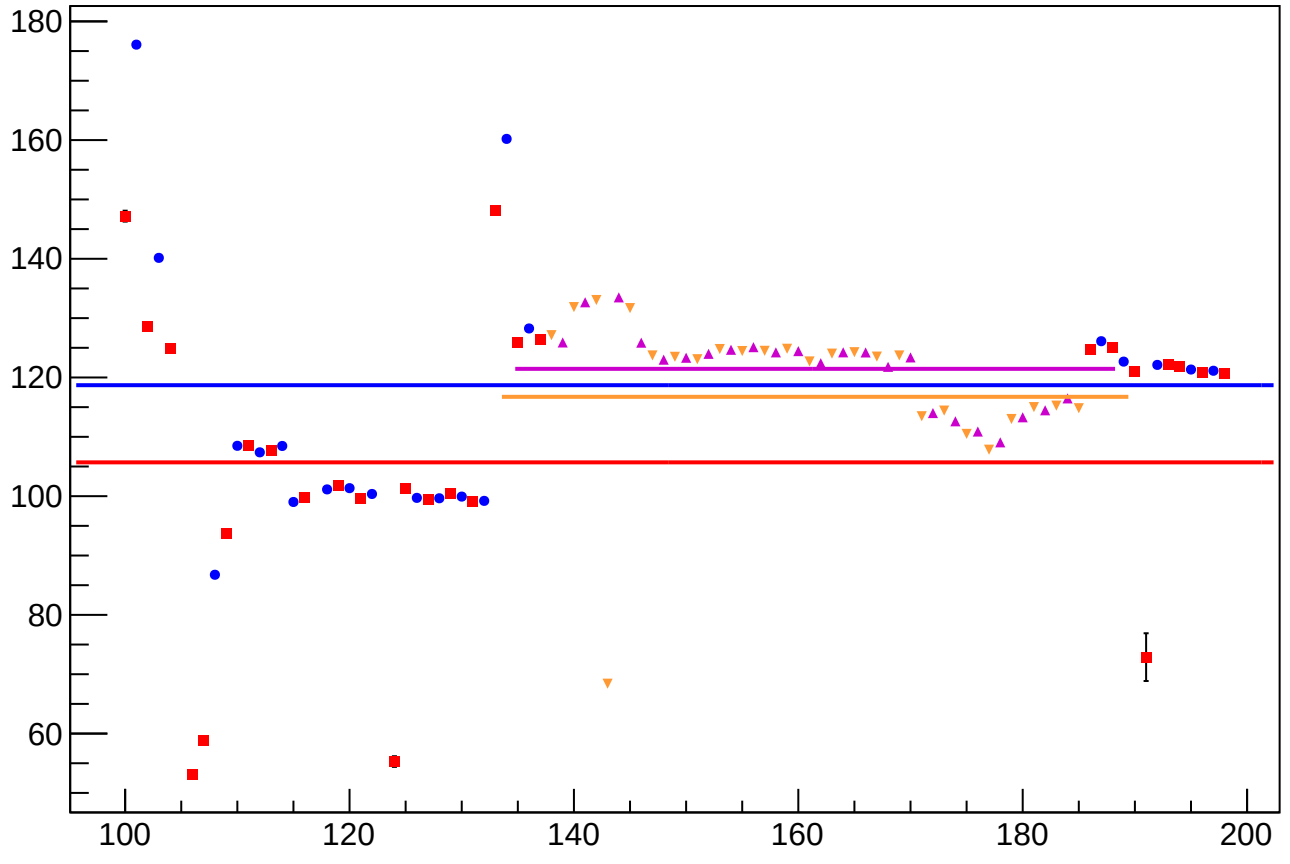
Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.863+/-0.649 χ^2/NDF: 1456.4/45

All: -73.965+/-0.463 χ^2/NDF: 2908.4/95

- sign -74.072+/-0.662 χ^2/NDF: 1451.9/49



Right In: 118.700+/-0.069 χ^2/NDF: 96249.7/20

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

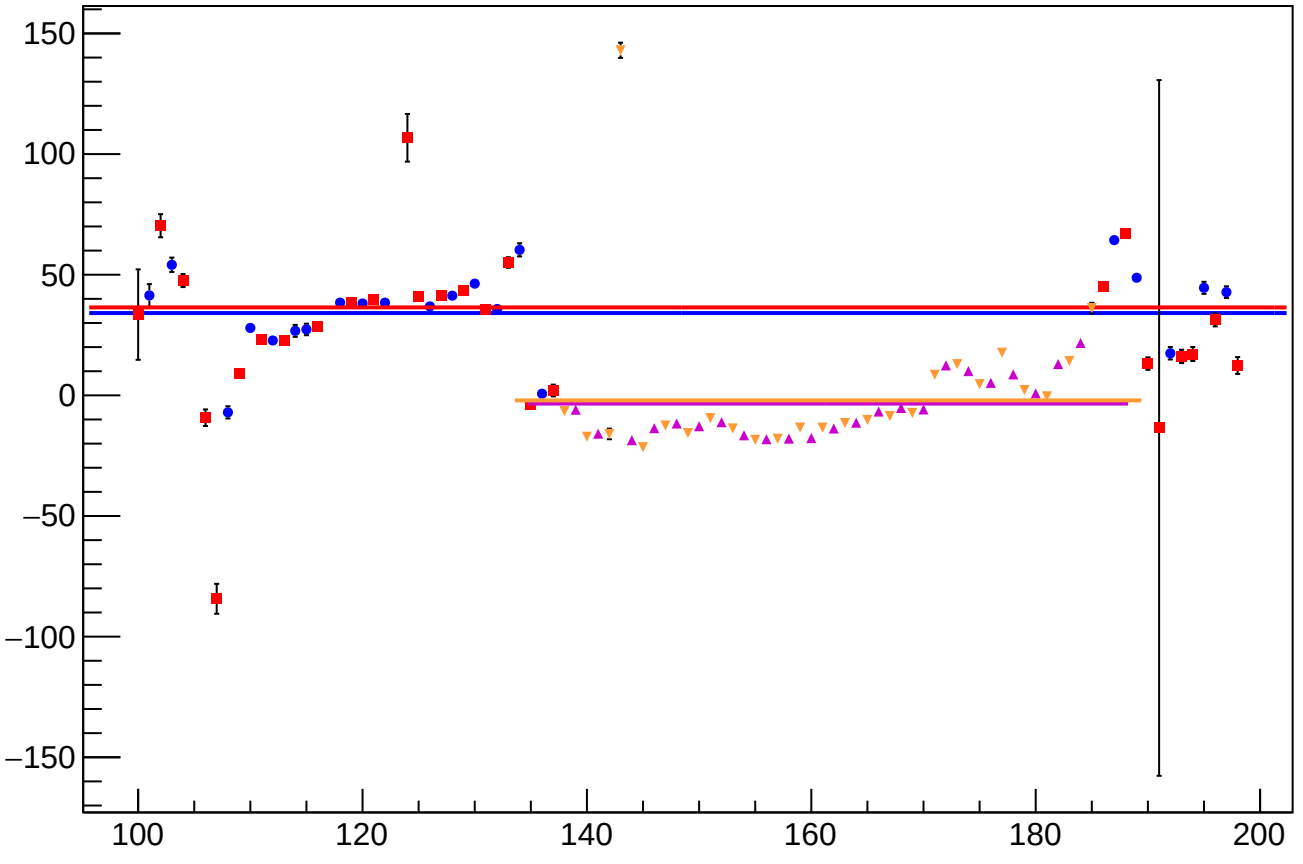
Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.158+/-0.032 χ^2/NDF: 300539.3/45

All: 117.127+/-0.022 χ^2/NDF: 573733.2/95

\- sign 117.096+/-0.032 χ^2/NDF: 273192.0/49



Right In: 34.109+/-0.373 χ^2/NDF: 2223.8/20

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

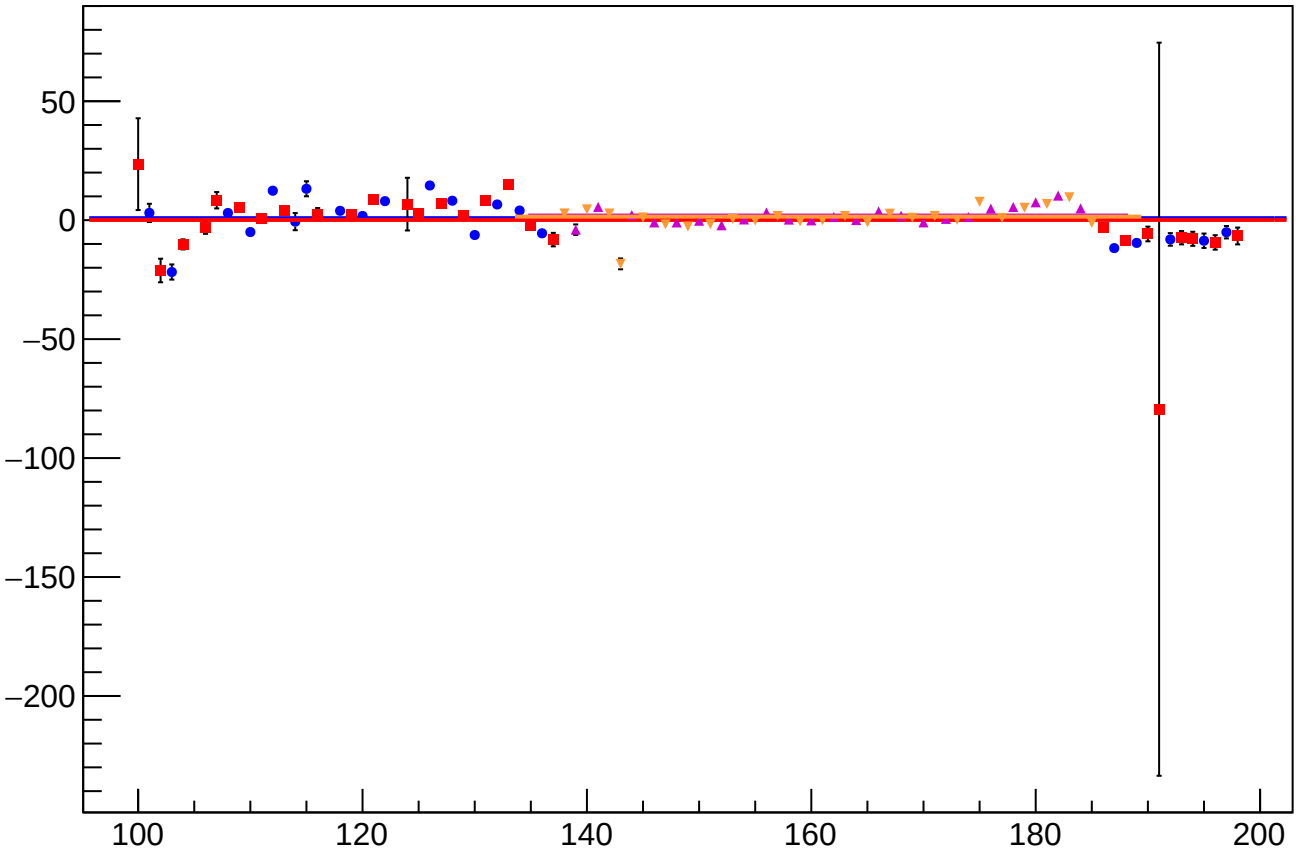
Right Out: 36.453+/-0.320 χ^2/NDF: 4536.4/26

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 10.166+/-0.217 χ^2/NDF: 12660.0/45

All: 11.778+/-0.150 χ^2/NDF: 28061.8/95

\- sign 13.247+/-0.207 χ^2/NDF: 15296.3/49



Right In: 0.839+/-0.403 χ^2/NDF: 381.7/20

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

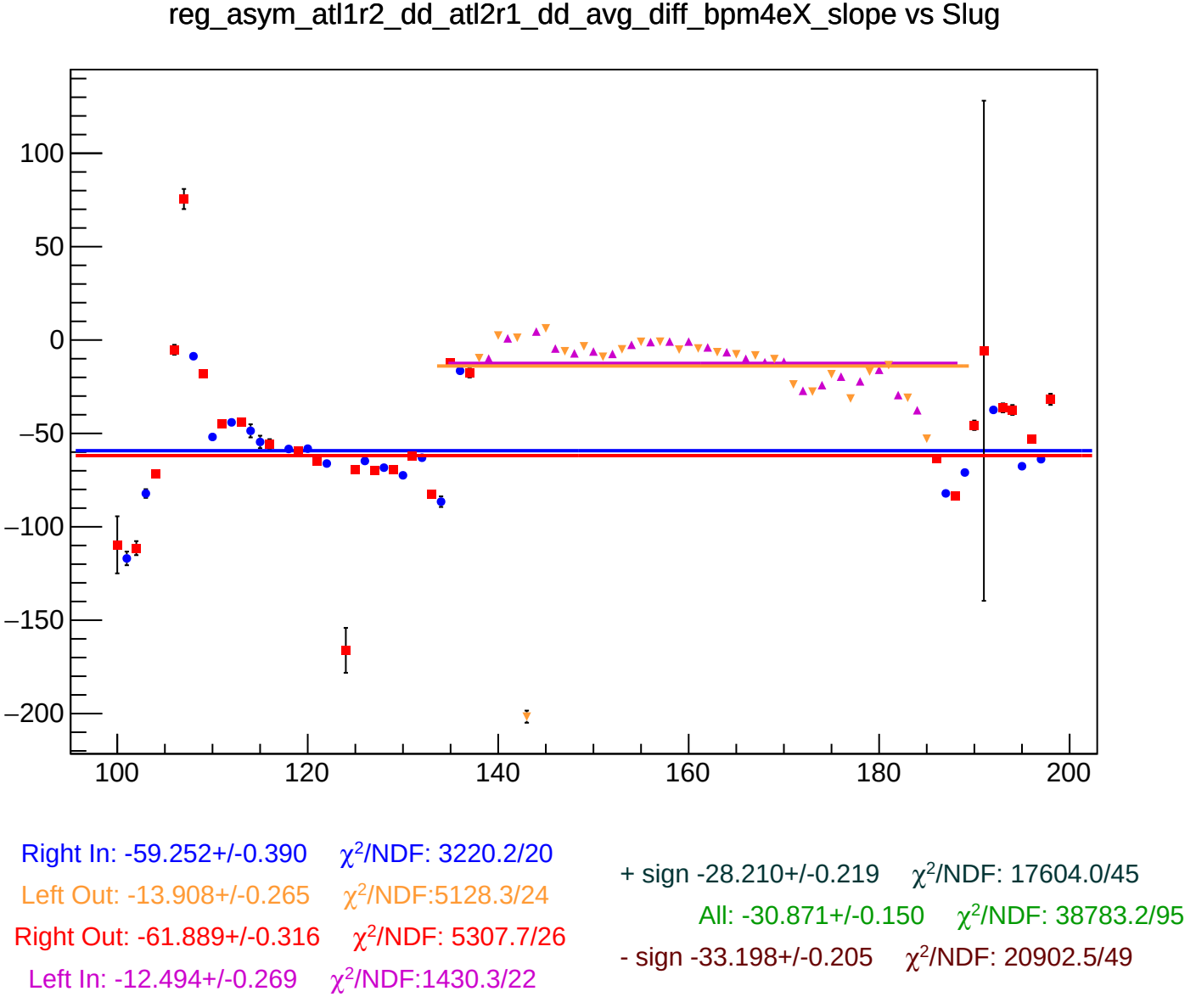
Right Out: 0.103+/-0.370 χ^2/NDF: 348.5/26

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.355+/-0.183 χ^2/NDF: 712.4/45

All: 1.420+/-0.129 χ^2/NDF: 1320.3/95

\- sign 1.486+/-0.183 χ^2/NDF: 607.7/49


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug
100
50
0
−50
−100
−150
−200
100
120
140
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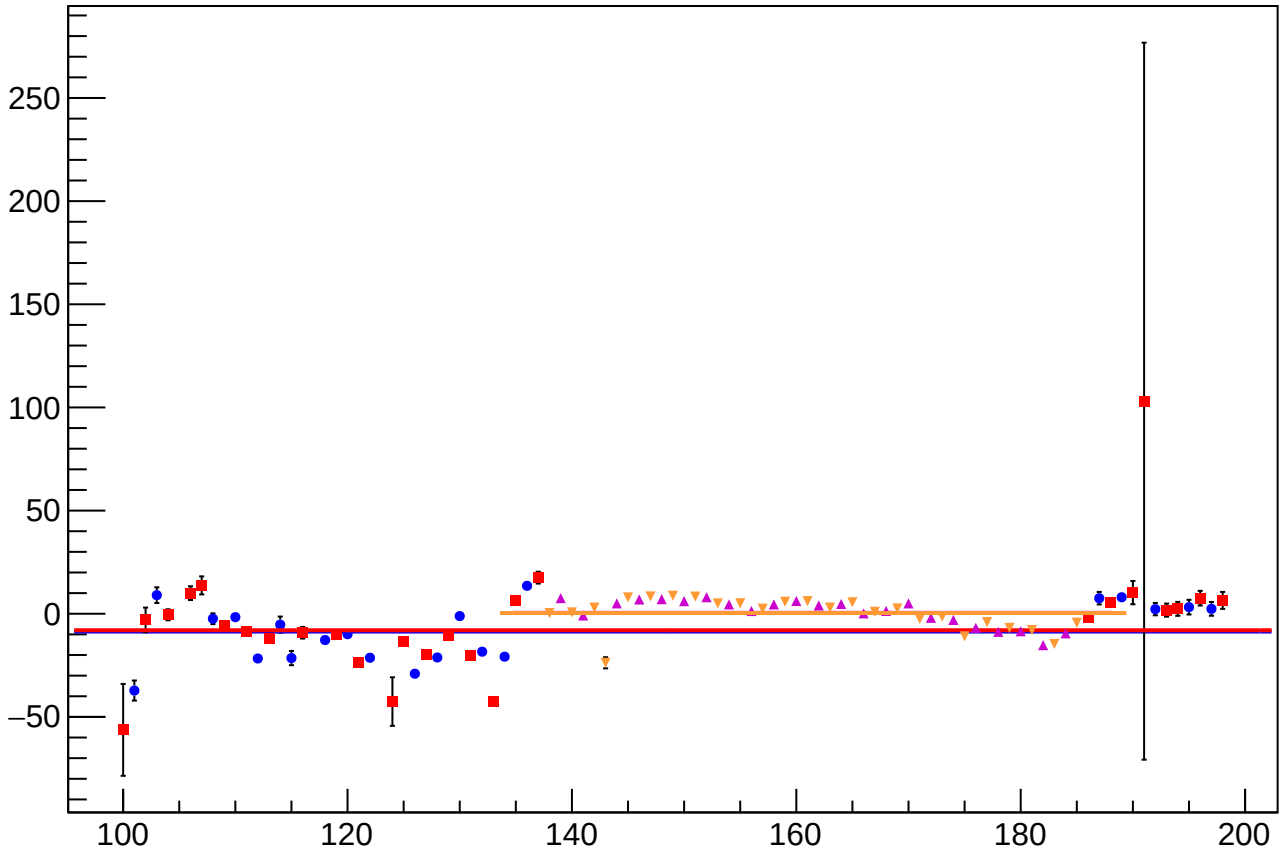
Right In: -59.252+/-0.390 χ²/NDF: 3220.2/20
Left Out: -13.908+/-0.265 χ²/NDF:5128.3/24
Right Out: -61.889+/-0.316 χ²/NDF: 5307.7/26
Left In: -12.494+/-0.269 χ²/NDF:1430.3/22
+ sign -28.210+/-0.219 χ²/NDF: 17604.0/45
All: -30.871+/-0.150 χ²/NDF: 38783.2/95
- sign -33.198+/-0.205 χ²/NDF: 20902.5/49



Right In: -8.629+/-0.472 χ^2/NDF: 798.0/20

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

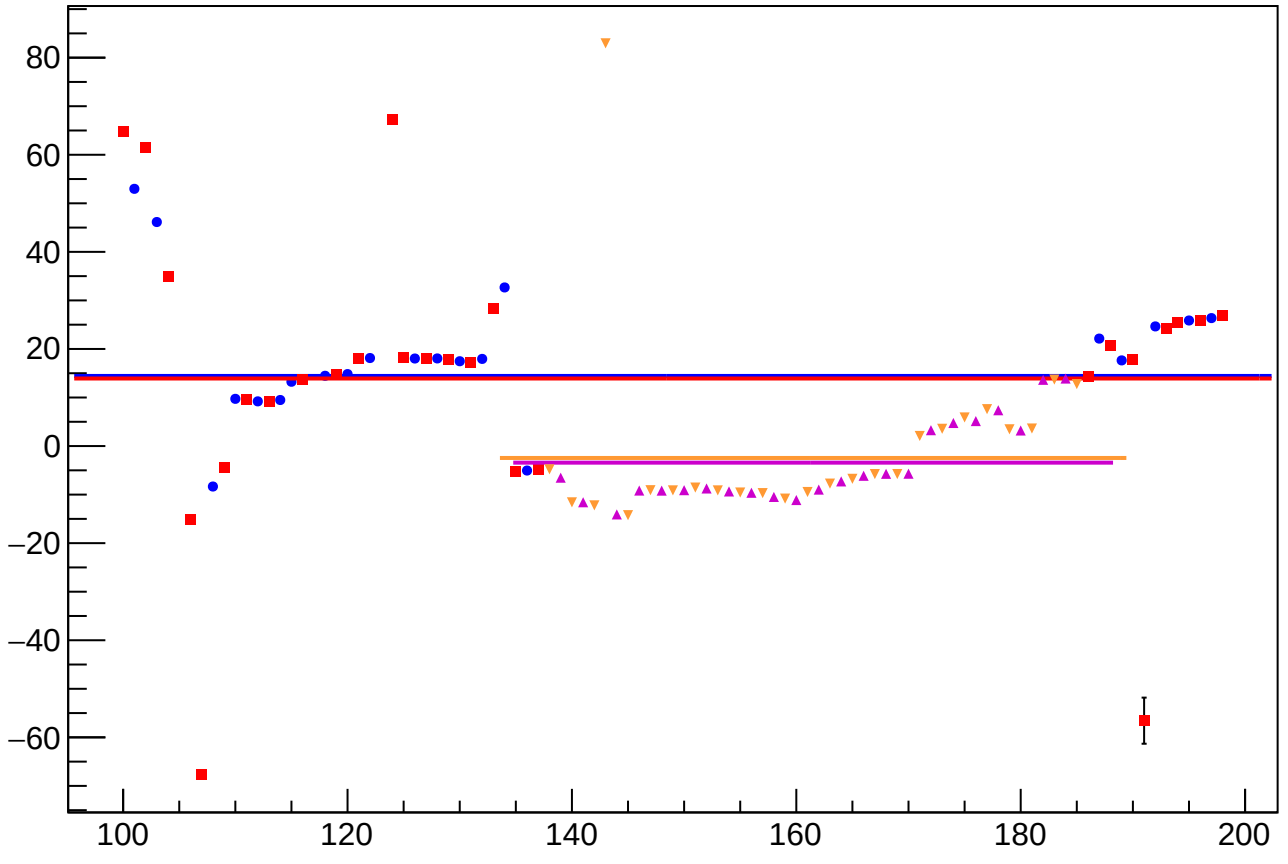
Right Out: -8.003+/-0.448 χ^2/NDF: 864.9/26

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.394+/-0.208 χ^2/NDF: 2011.5/45

All: -1.401+/-0.147 χ^2/NDF: 3935.7/95

\- sign -1.408+/-0.209 χ^2/NDF: 1924.2/49



Right In: 14.440+/-0.026 χ^2/NDF: 396615.2/20

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

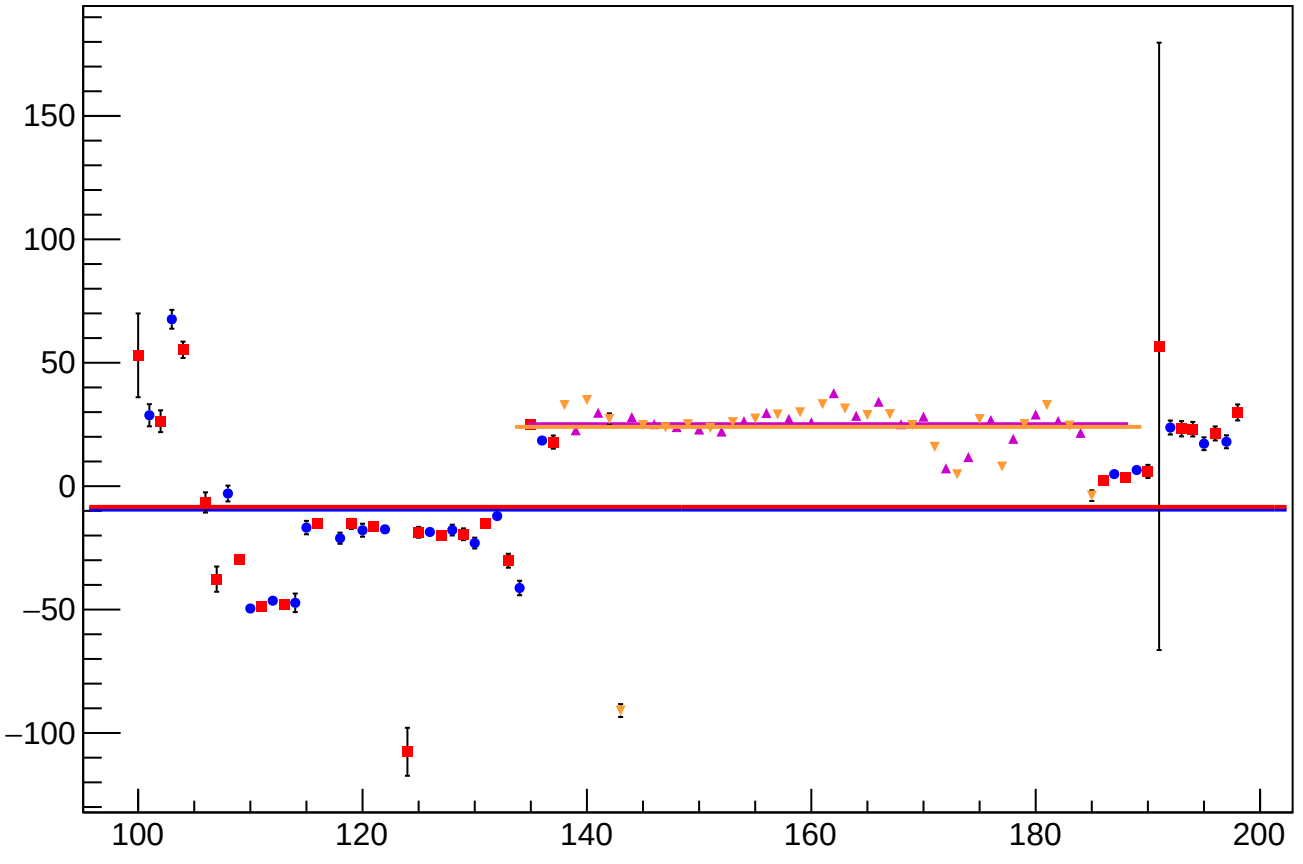
Right Out: 13.914+/-0.025 χ^2/NDF: 518739.4/26

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.100+/-0.010 χ^2/NDF: 1729147.7/45

All: -0.446+/-0.007 χ^2/NDF: 3214781.3/95

- sign -0.793+/-0.010 χ^2/NDF: 1483037.7/49



Right In: -9.487+/-0.476 χ^2/NDF: 2726.0/20

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -8.386+/-0.420 χ^2/NDF: 3140.9/26

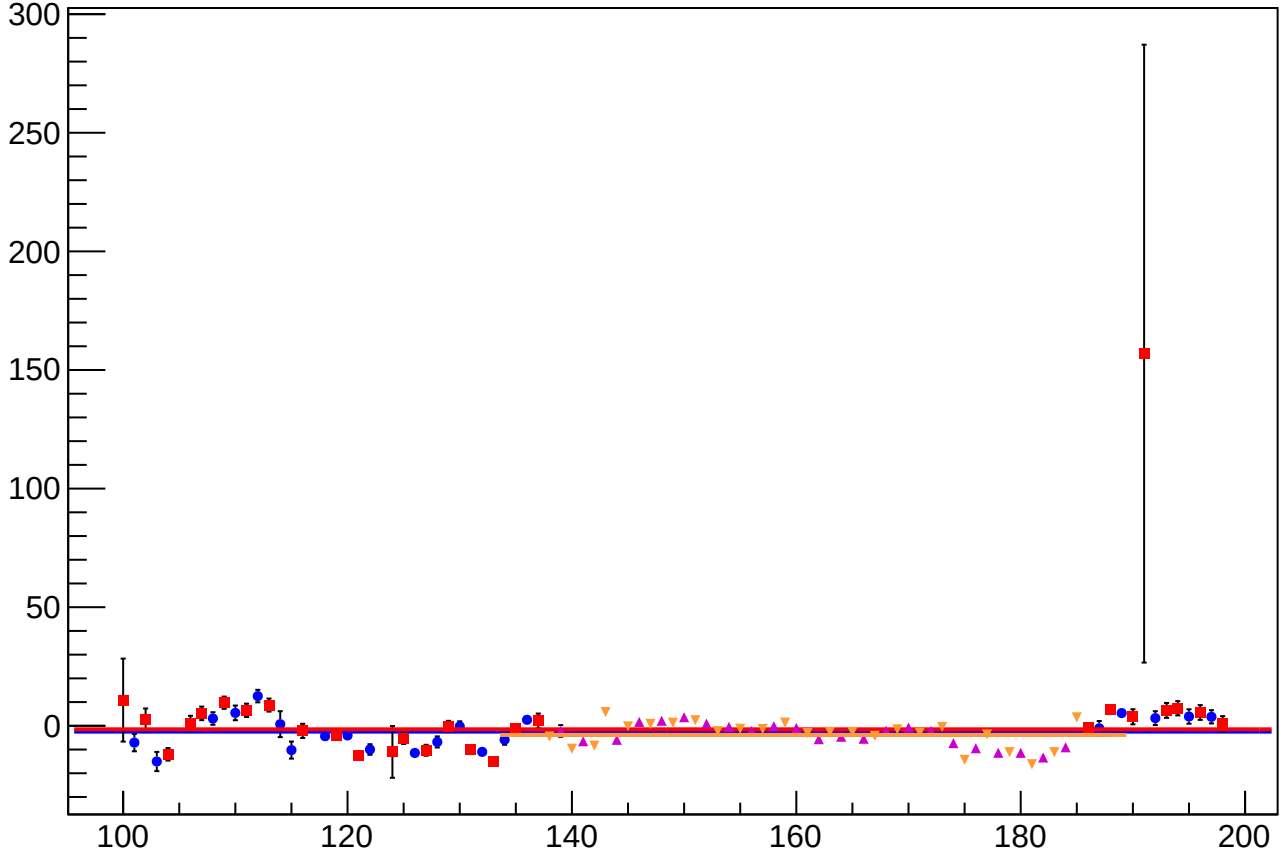
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

\+ sign 15.317+/-0.243 χ^2/NDF: 9197.3/45

All: 14.857+/-0.170 χ^2/NDF: 17171.4/95

\- sign 14.417+/-0.237 χ^2/NDF: 7967.0/49

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.448+/-0.502 χ^2/NDF: 155.9/20

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

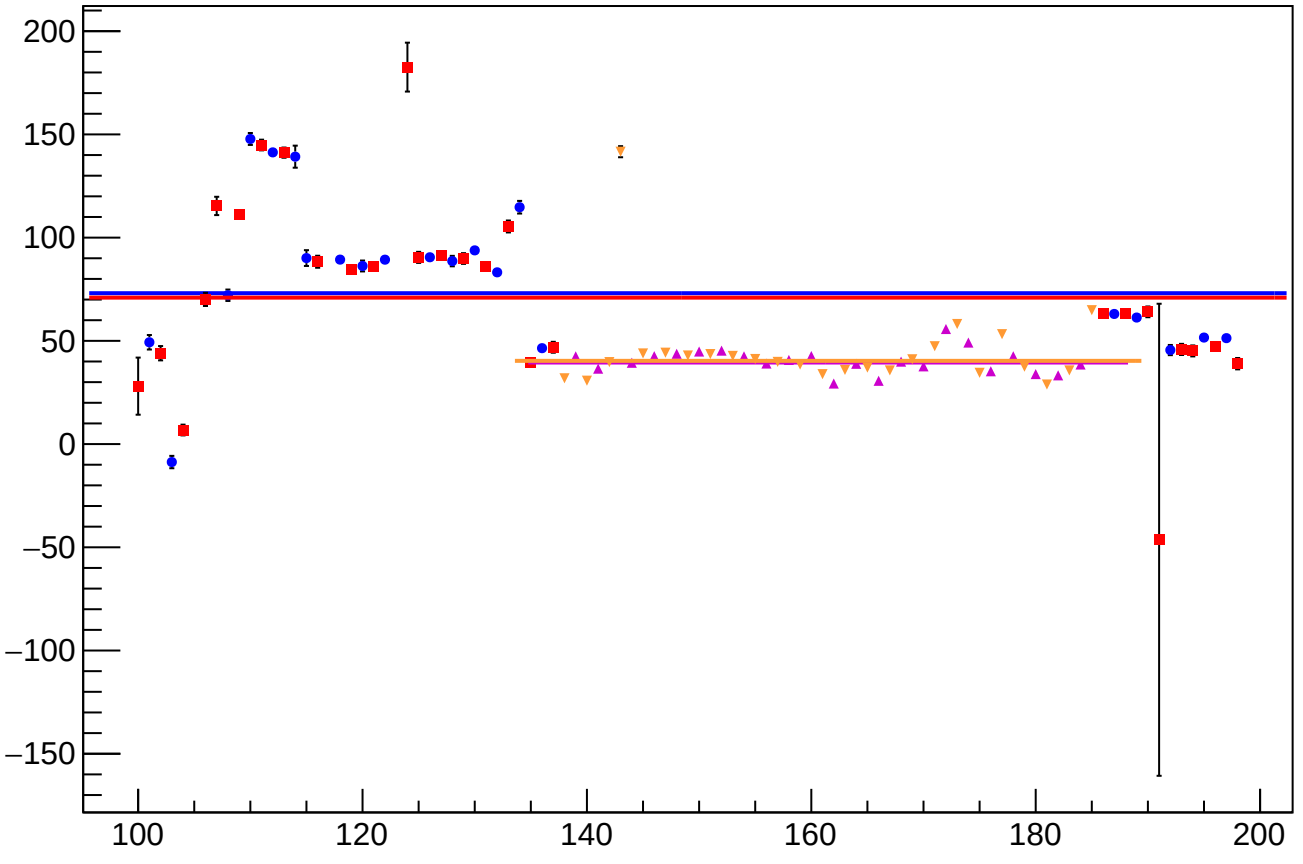
Right Out: -1.478+/-0.471 χ^2/NDF: 235.1/26

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.624+/-0.200 χ^2/NDF: 811.8/45

All: -3.491+/-0.142 χ^2/NDF: 1577.1/95

- sign -3.356+/-0.202 χ^2/NDF: 764.4/49



Right In: 73.080+/-0.495 χ^2/NDF: 3821.4/20

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

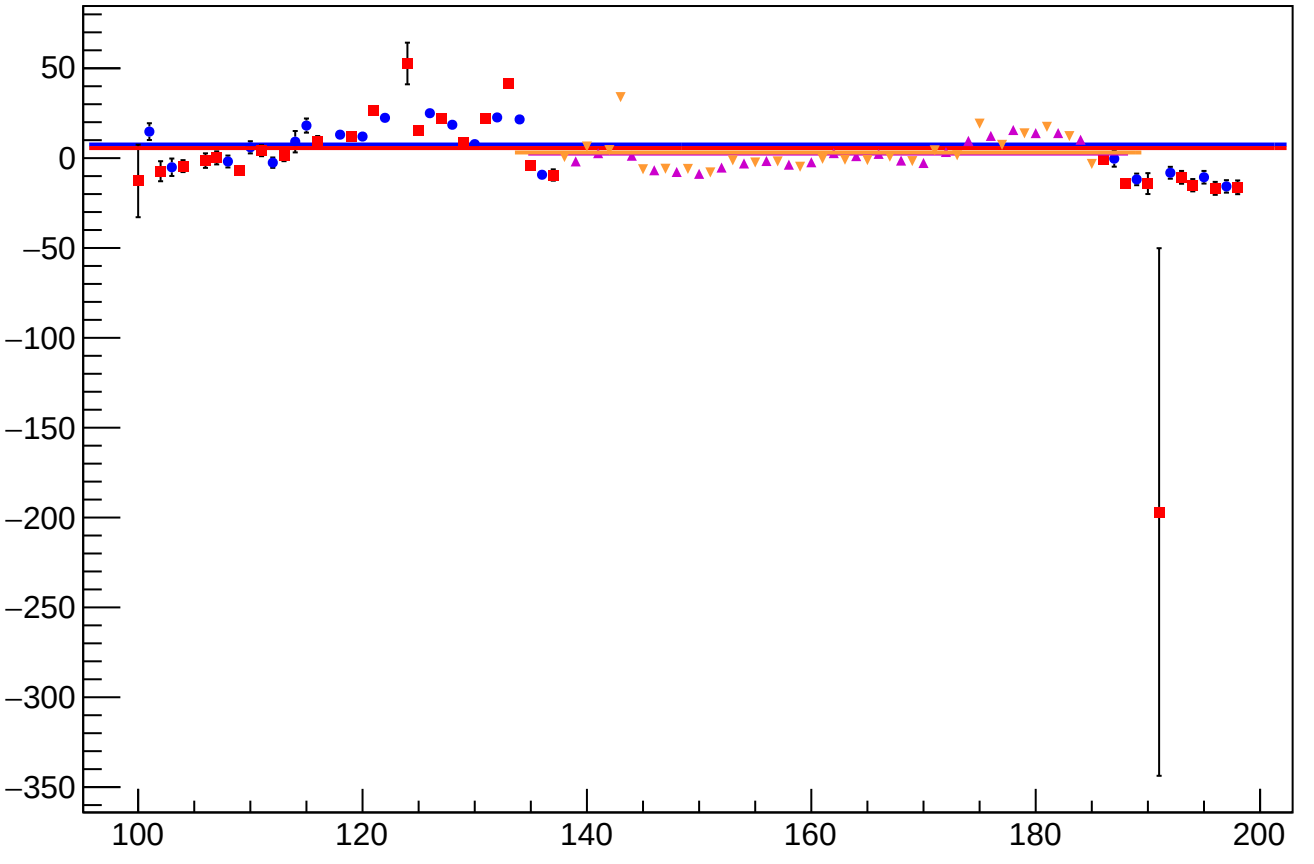
Right Out: 70.941+/-0.418 χ^2/NDF: 4218.2/26

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.263+/-0.244 χ^2/NDF: 9322.3/45

All: 48.886+/-0.169 χ^2/NDF: 17848.7/95

- sign 49.467+/-0.235 χ^2/NDF: 8513.9/49



Right In: 7.572+/-0.582 χ^2/NDF: 513.8/20

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

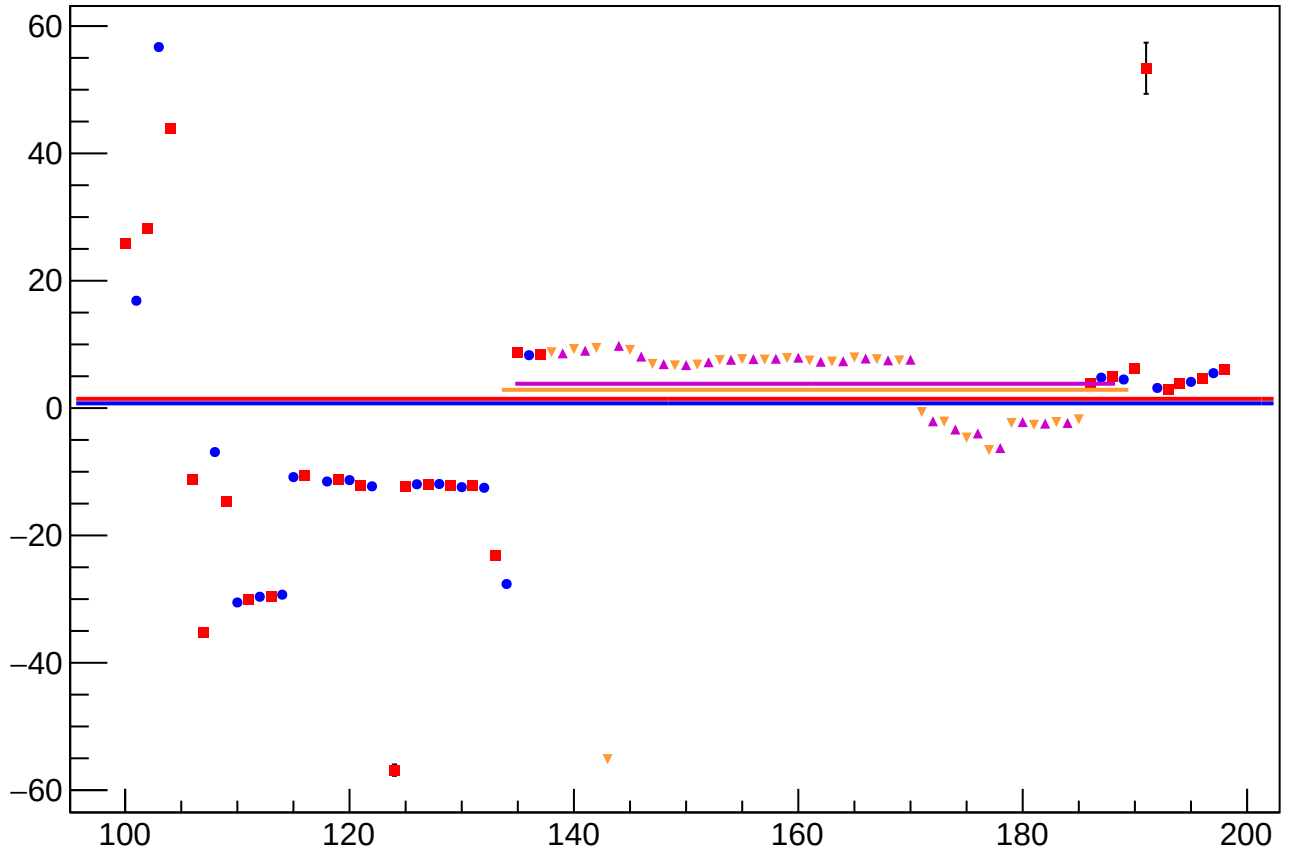
Right Out: 5.587+/-0.561 χ^2/NDF: 757.8/26

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.810+/-0.226 χ^2/NDF: 1830.0/45

All: 3.425+/-0.161 χ^2/NDF: 3586.7/95

- sign 3.030+/-0.229 χ^2/NDF: 1750.9/49



Right In: 0.744+/-0.030 χ^2/NDF: 374011.5/20

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.457+/-0.029 χ^2/NDF: 324774.5/26

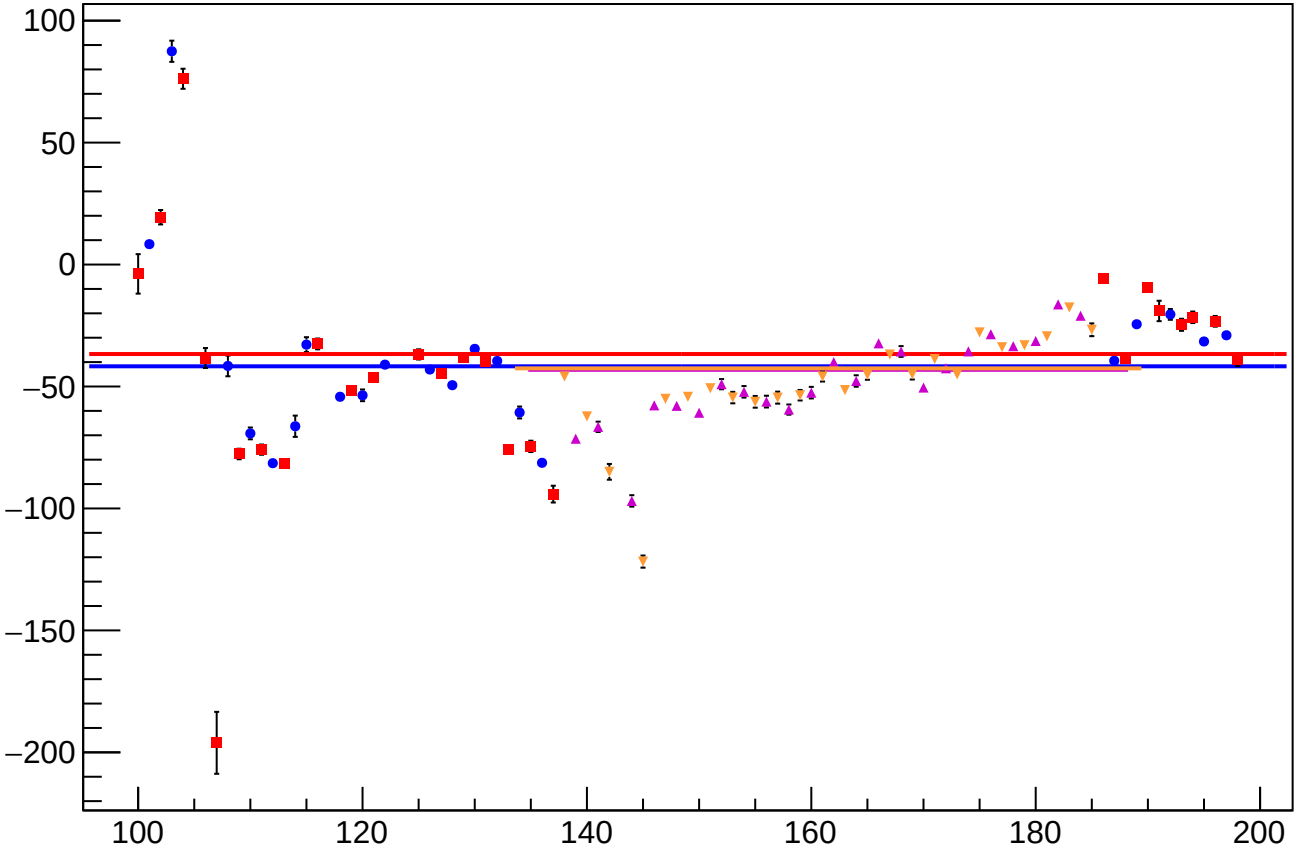
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.620+/-0.010 χ^2/NDF: 890753.2/45

All: 3.067+/-0.007 χ^2/NDF: 1458422.1/95

- sign 3.519+/-0.010 χ^2/NDF: 563888.9/49

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -41.721+/-0.437 χ^2/NDF: 3191.6/20

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -36.689+/-0.373 χ^2/NDF: 5086.2/25

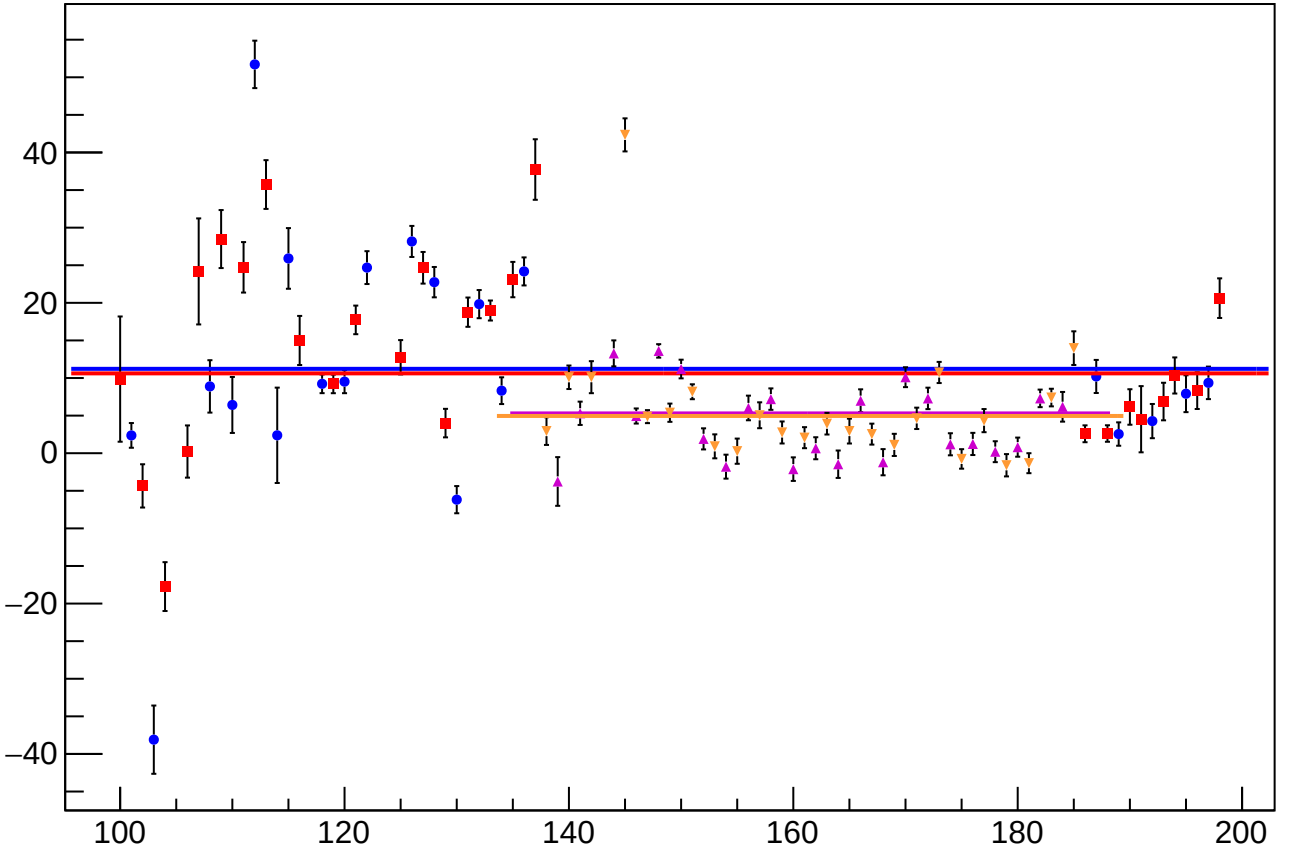
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -42.201+/-0.286 χ^2/NDF: 5520.2/44

All: -40.939+/-0.195 χ^2/NDF: 12996.2/93

\- sign -39.843+/-0.267 χ^2/NDF: 7439.7/48

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 11.222+/-0.451 χ^2/NDF: 678.7/20

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.619+/-0.412 χ^2/NDF: 547.7/25

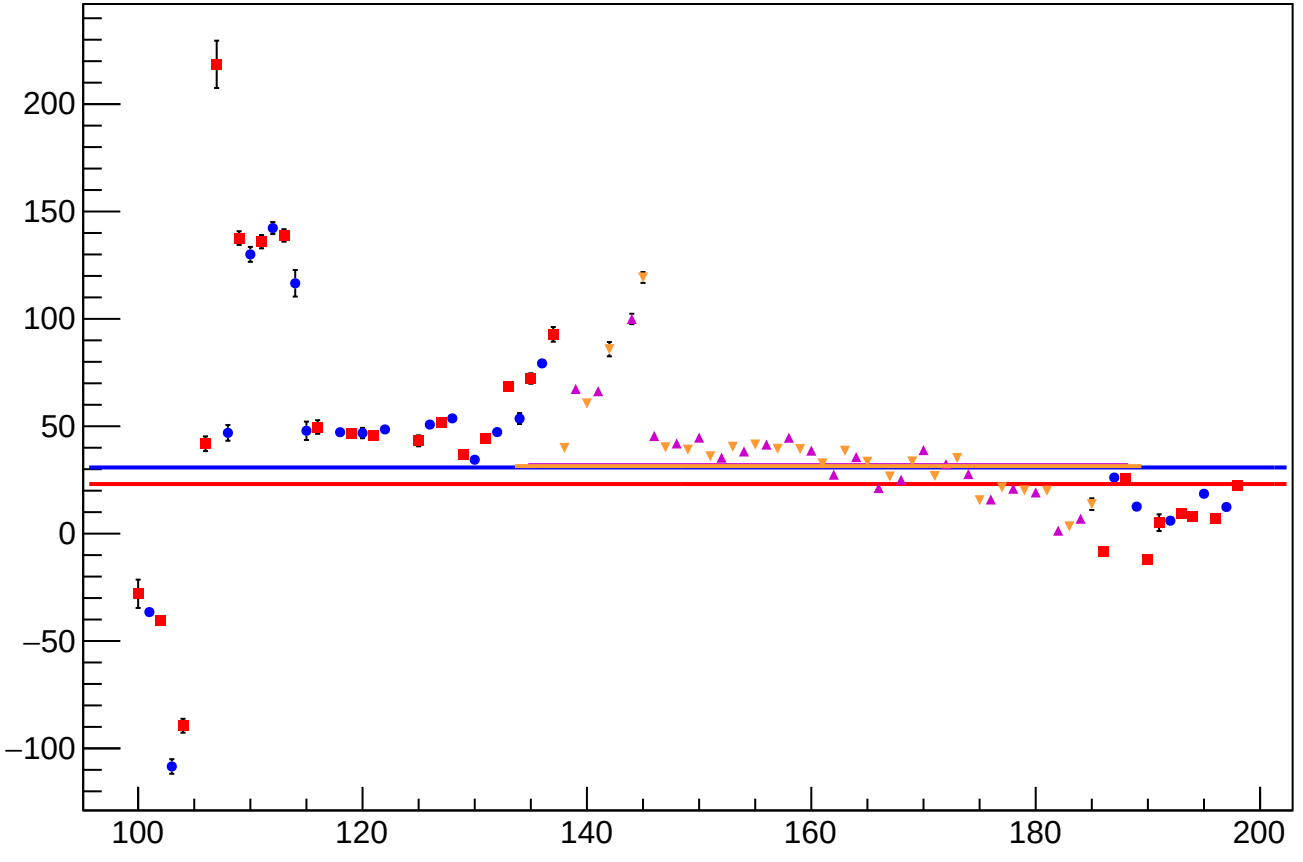
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.773+/-0.243 χ^2/NDF: 1264.7/44

All: 6.933+/-0.171 χ^2/NDF: 2210.1/93

- sign 7.089+/-0.240 χ^2/NDF: 944.6/48

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 30.809+/-0.430 χ^2/NDF: 8156.5/20

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 23.091+/-0.347 χ^2/NDF: 11098.0/25

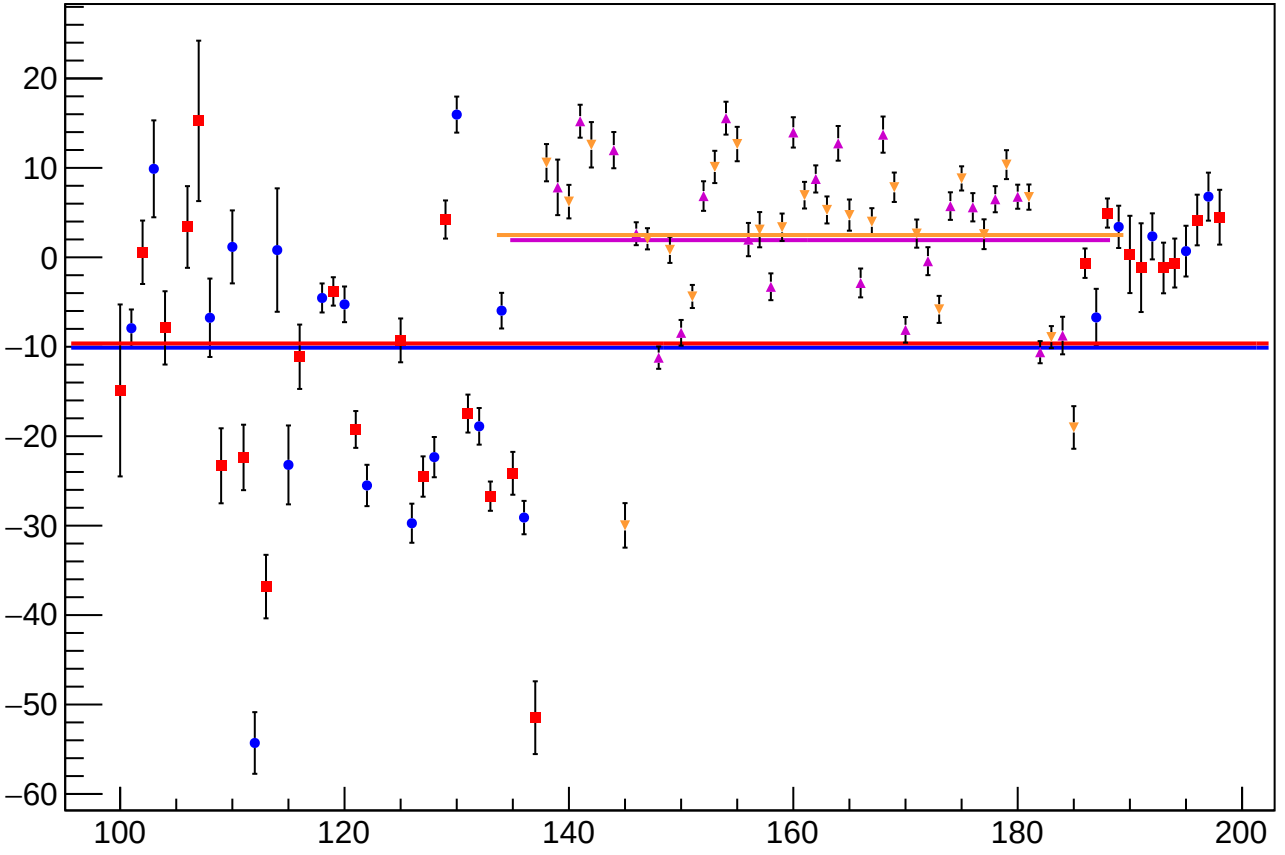
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 31.166+/-0.283 χ^2/NDF: 10919.8/44

All: 28.939+/-0.190 χ^2/NDF: 25191.8/93

- sign 27.119+/-0.256 χ^2/NDF: 14159.4/48

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -10.101+/-0.537 χ^2/NDF: 775.9/20

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -9.631+/-0.508 χ^2/NDF: 675.0/25

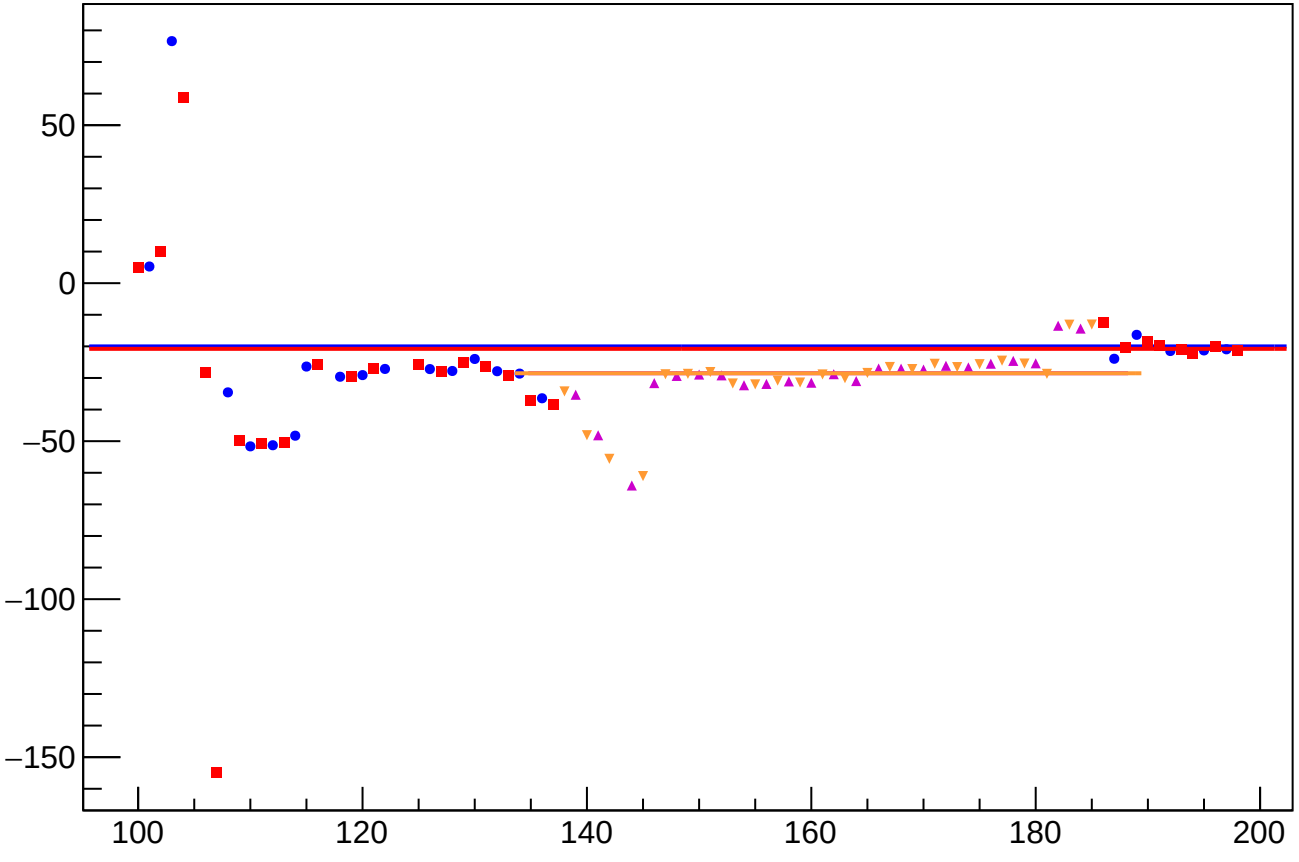
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.911+/-0.279 χ^2/NDF: 1736.4/44

All: -1.225+/-0.197 χ^2/NDF: 3455.0/93

- sign -1.536+/-0.278 χ^2/NDF: 1716.1/48

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -20.013+/-0.028 χ^2/NDF: 649444.4/20

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.778+/-0.026 χ^2/NDF: 553211.1/25

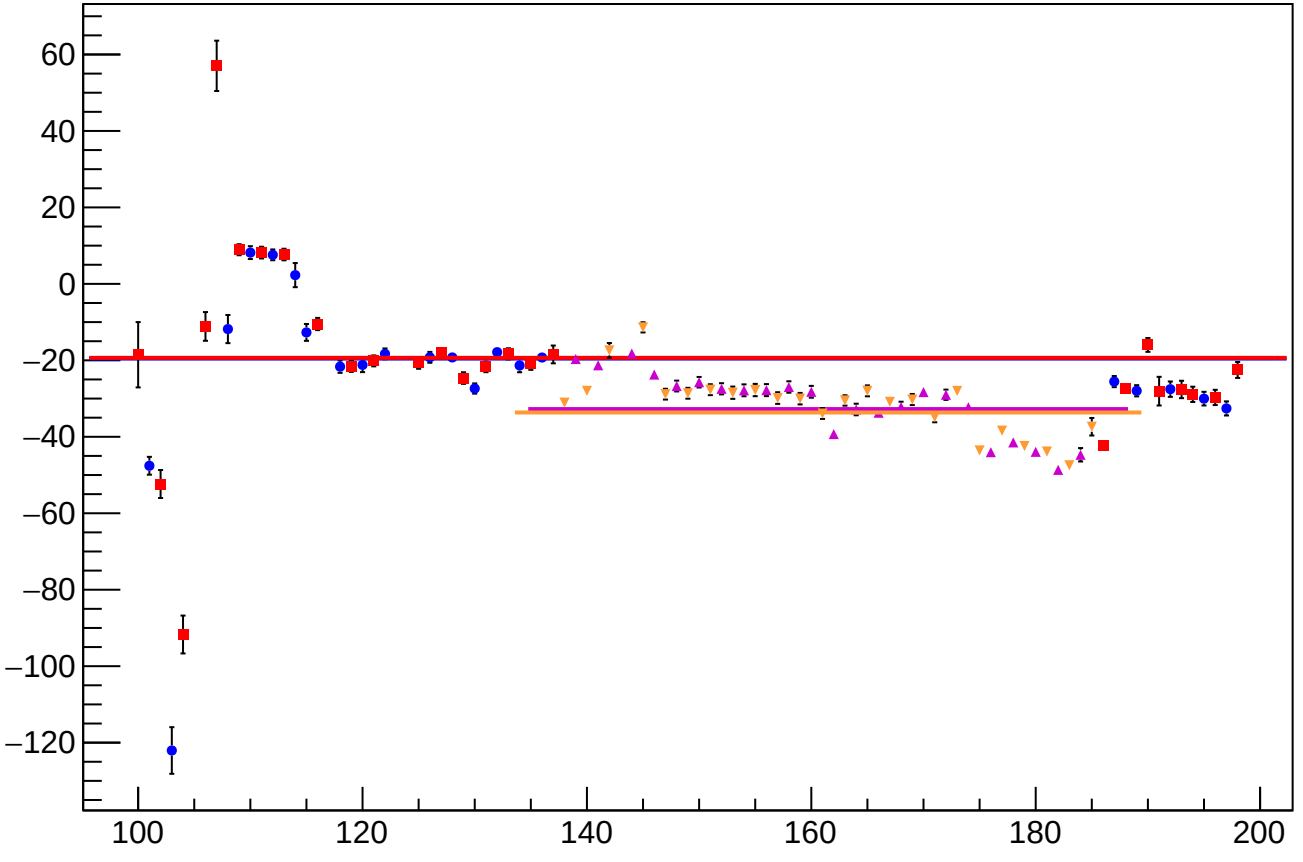
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -26.631+/-0.013 χ^2/NDF: 1056602.5/44

All: -26.596+/-0.009 χ^2/NDF: 1965600.9/93

- sign -26.562+/-0.013 χ^2/NDF: 908984.3/48

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -19.532+/-0.355 χ^2/NDF: 1319.5/20

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -19.347+/-0.327 χ^2/NDF: 2010.9/25

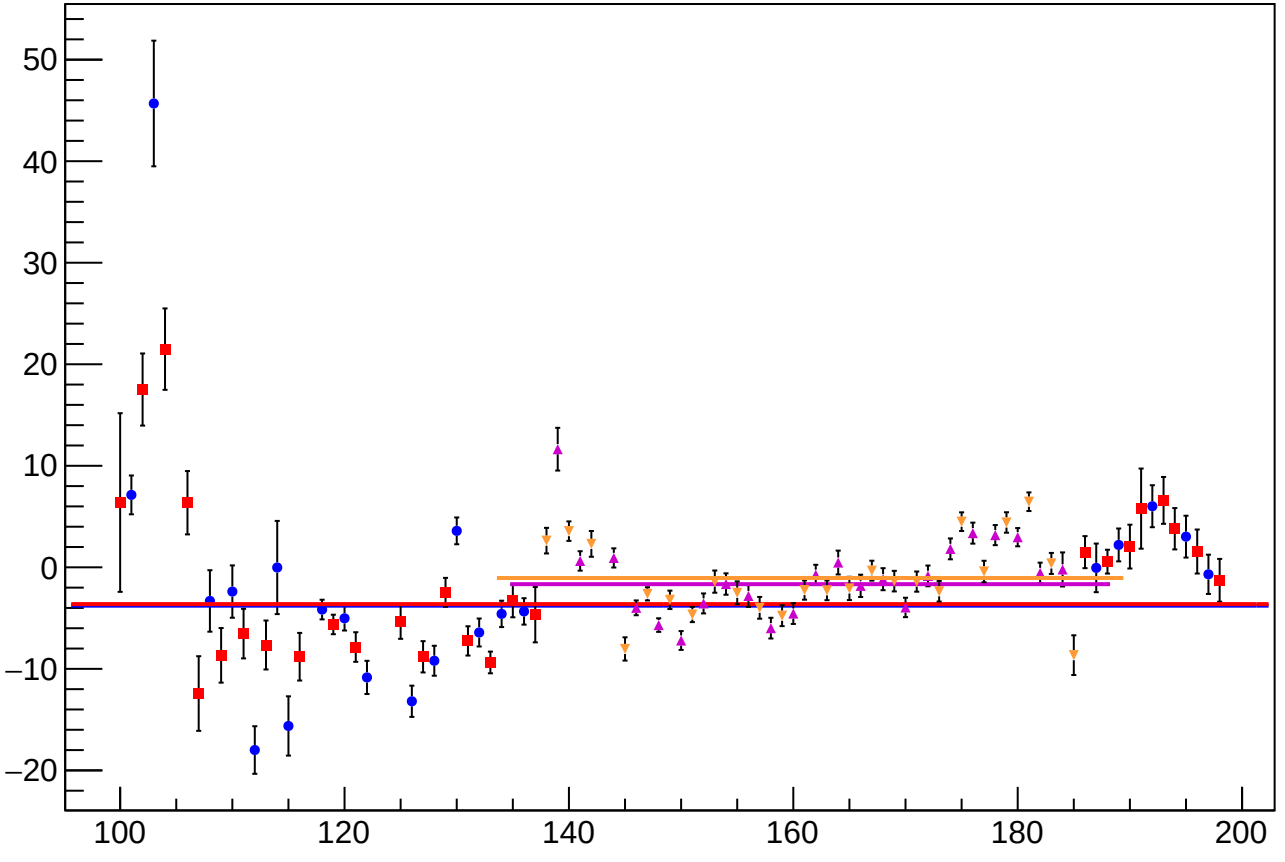
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -28.597+/-0.213 χ^2/NDF: 3348.2/44

All: -27.961+/-0.148 χ^2/NDF: 7523.1/93

\- sign -27.354+/-0.208 χ^2/NDF: 4157.3/48

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.774+/-0.365 χ^2/NDF: 309.1/20

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.623+/-0.354 χ^2/NDF: 241.4/25

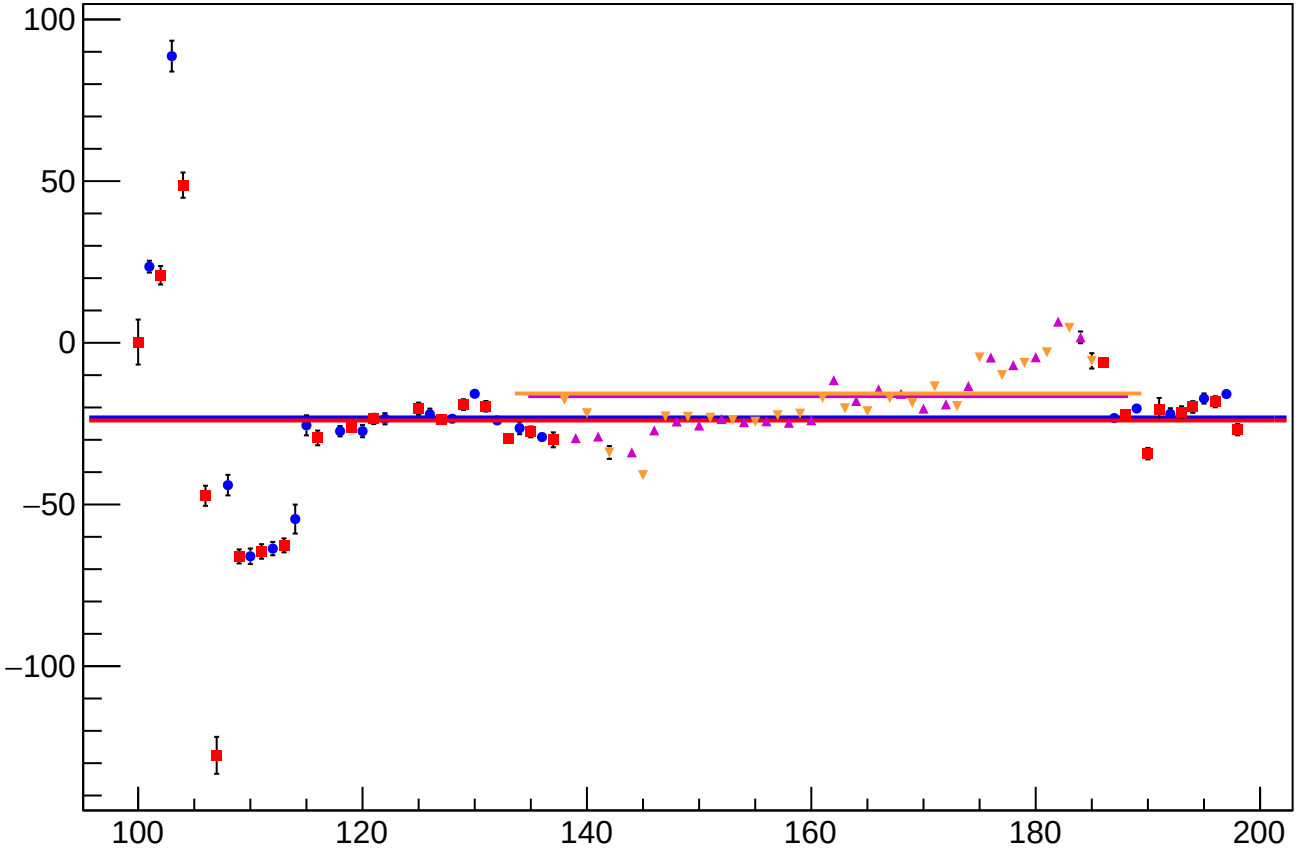
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.693+/-0.177 χ^2/NDF: 641.0/44

All: -1.923+/-0.126 χ^2/NDF: 1173.1/93

- sign -2.157+/-0.179 χ^2/NDF: 528.7/48

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -23.086+/-0.370 χ^2/NDF: 2105.8/20

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.023+/-0.329 χ^2/NDF: 2446.2/25

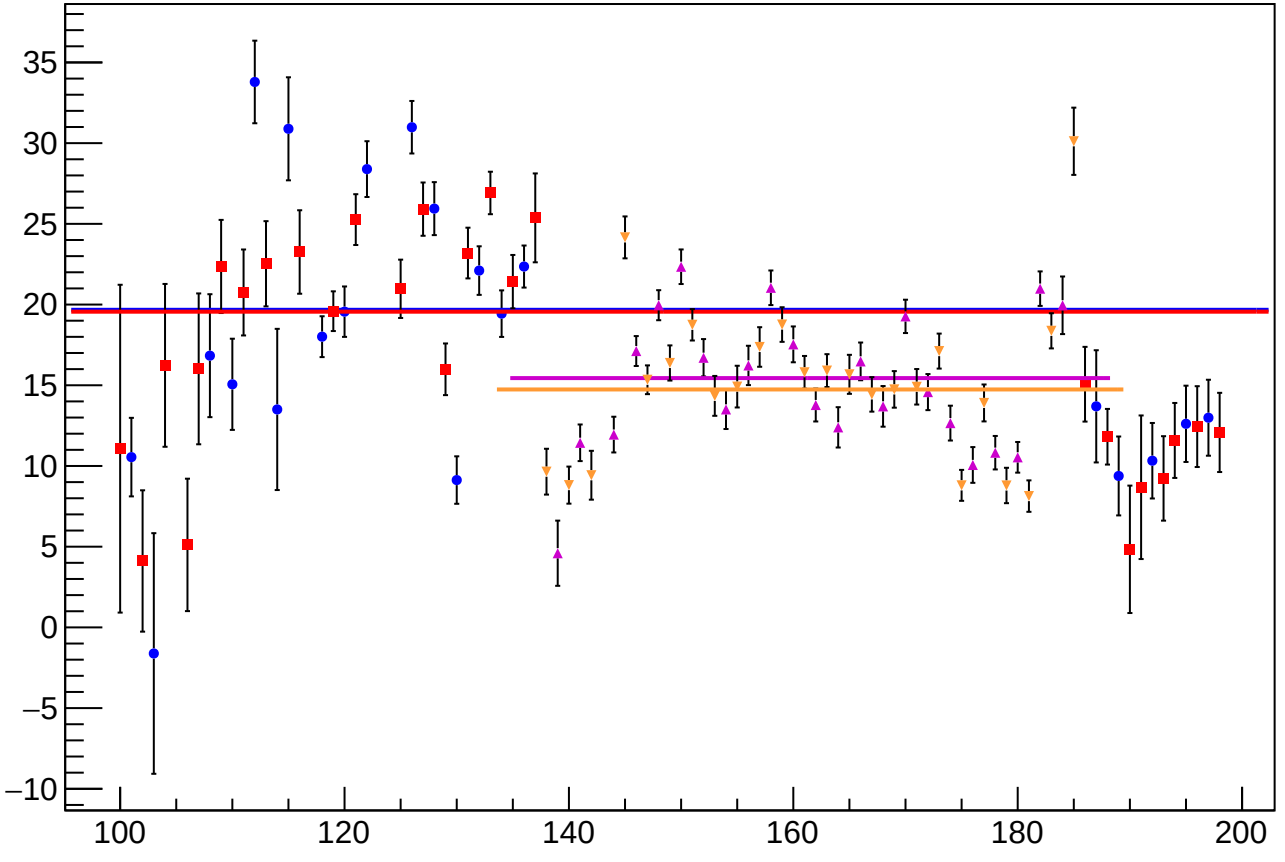
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -18.166+/-0.214 χ^2/NDF: 3893.5/44

All: -18.837+/-0.149 χ^2/NDF: 8374.4/93

\- sign -19.462+/-0.207 χ^2/NDF: 4462.0/48

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.676+/-0.424 χ^2/NDF: 271.9/20

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 19.559+/-0.420 χ^2/NDF: 195.5/25

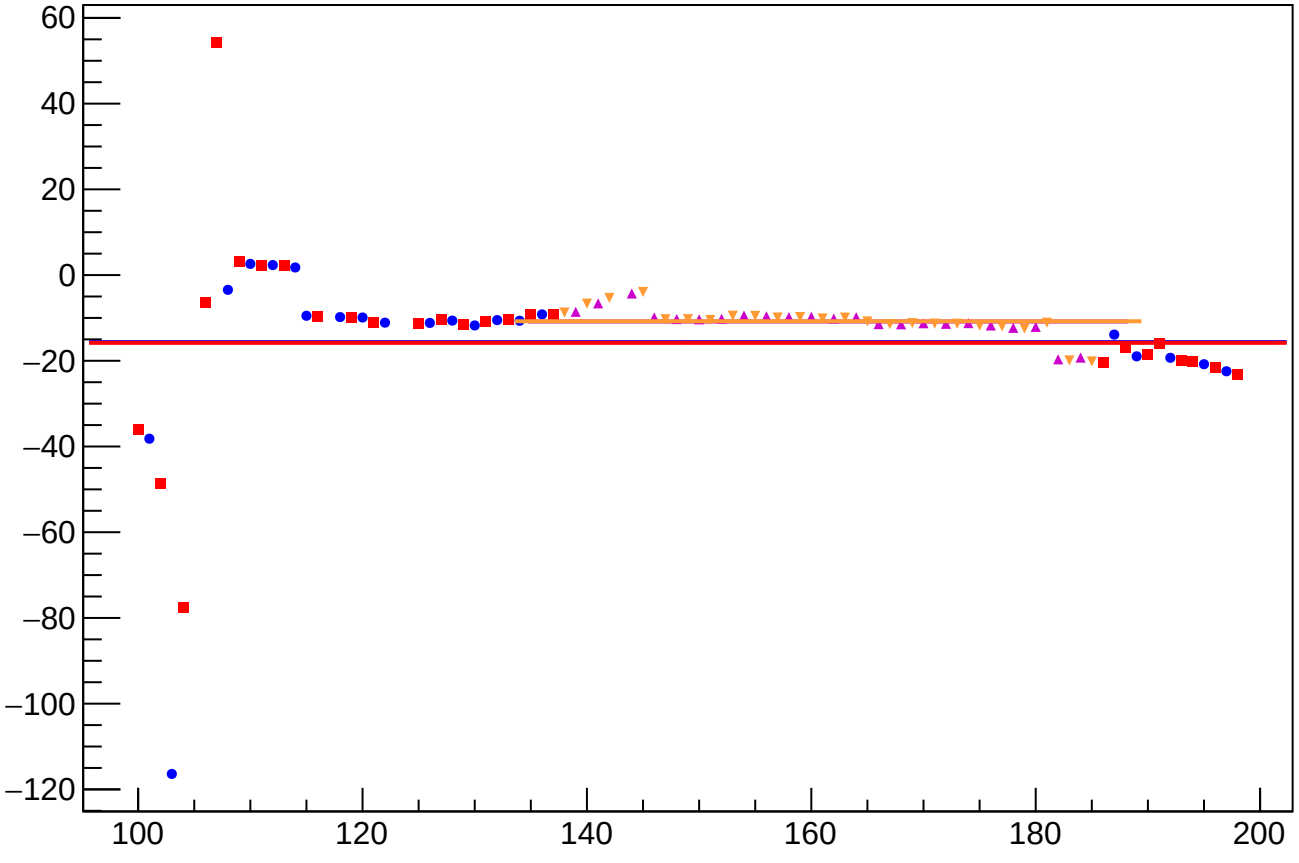
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.857+/-0.202 χ^2/NDF: 707.6/44

All: 16.132+/-0.143 χ^2/NDF: 1270.6/93

- sign 16.412+/-0.204 χ^2/NDF: 559.2/48

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -15.637+/-0.023 χ^2/NDF: 369936.6/20

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -15.804+/-0.022 χ^2/NDF: 356345.2/25

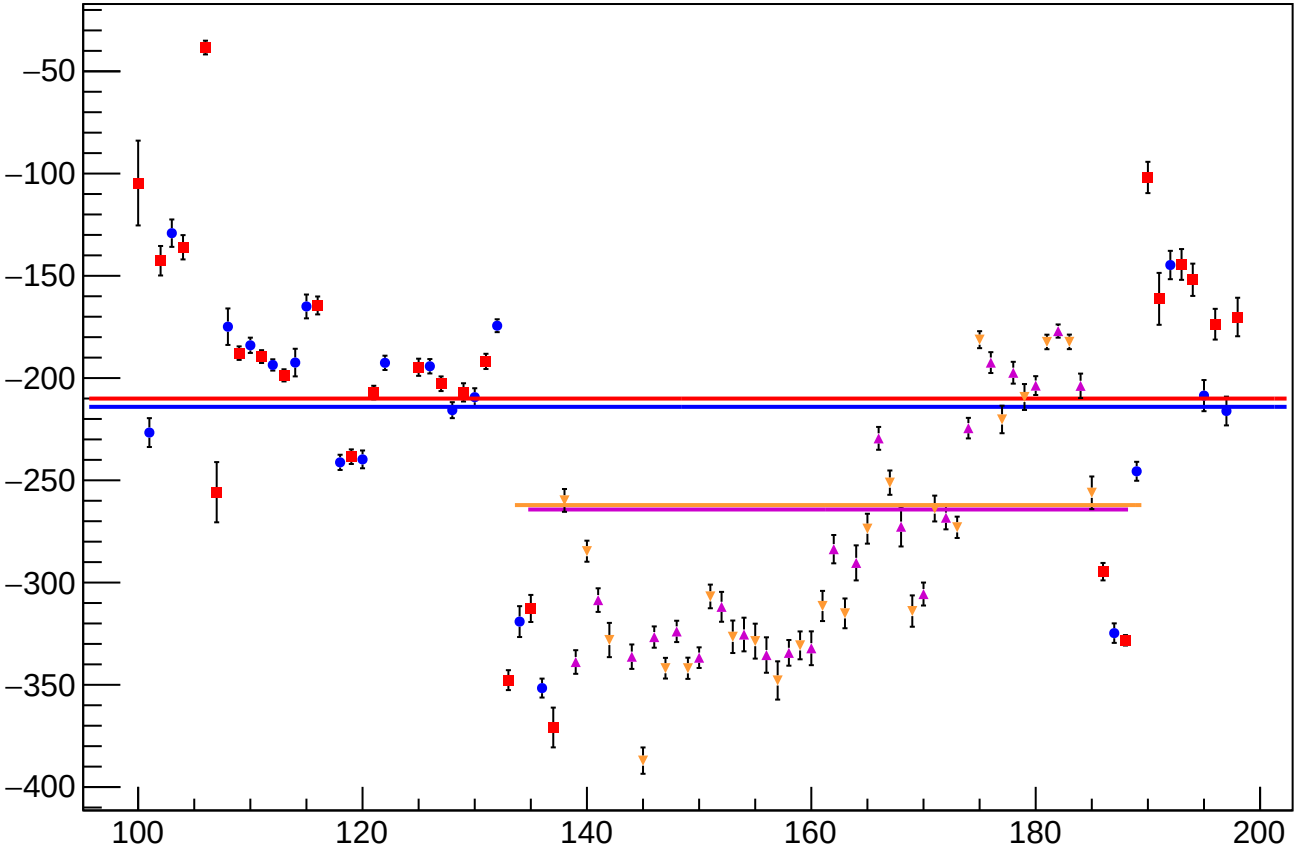
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.600+/-0.009 χ^2/NDF: 492456.1/44

All: -11.668+/-0.007 χ^2/NDF: 965168.0/93

- sign -11.736+/-0.009 χ^2/NDF: 472606.0/48

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -214.073+/-0.986 χ^2/NDF: 2461.7/20

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -210.024+/-0.878 χ^2/NDF: 7433.1/25

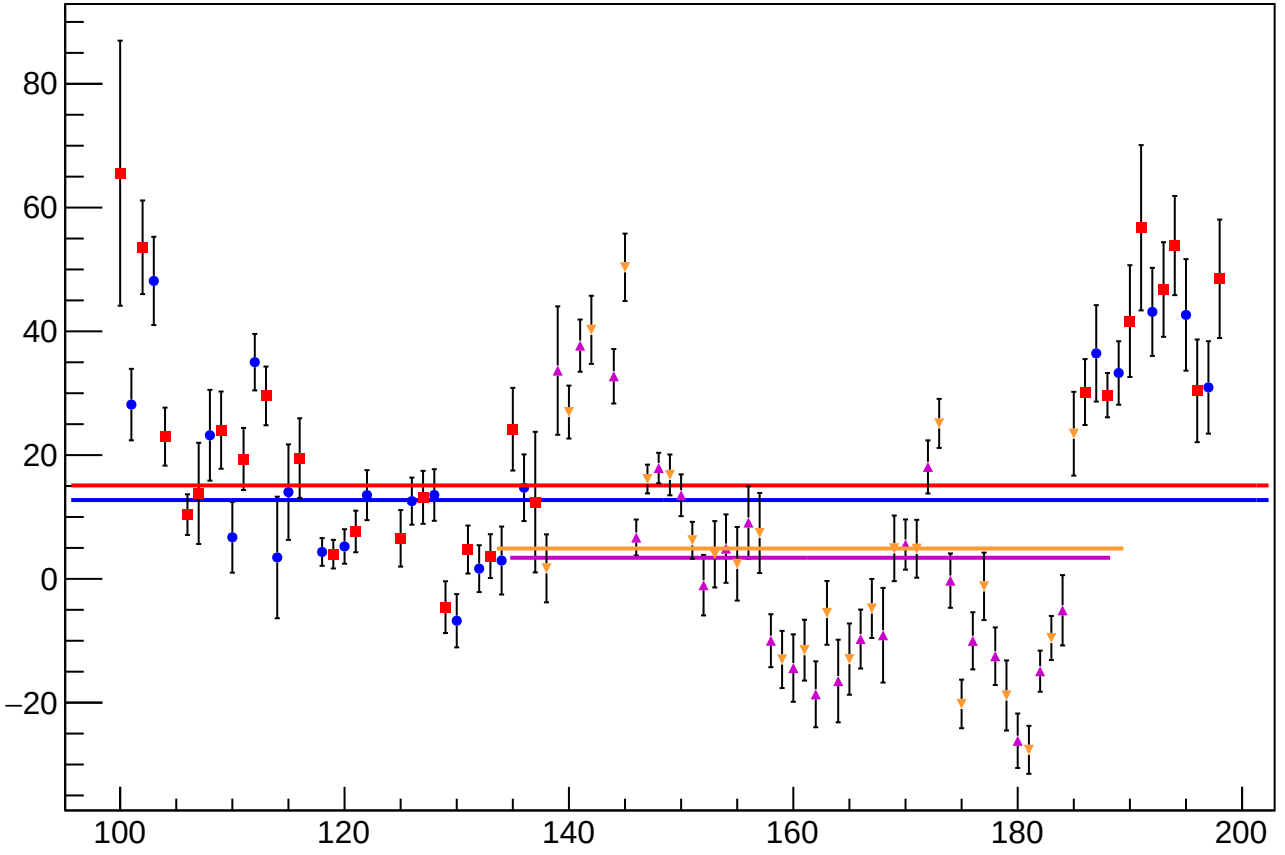
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -233.844+/-0.757 χ^2/NDF: 6402.5/44

All: -231.384+/-0.516 χ^2/NDF: 17949.1/93

- sign -229.244+/-0.706 χ^2/NDF: 11526.8/48

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.736+/-1.007 χ^2/NDF: 173.9/20

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 15.100+/-0.950 χ^2/NDF: 221.2/25

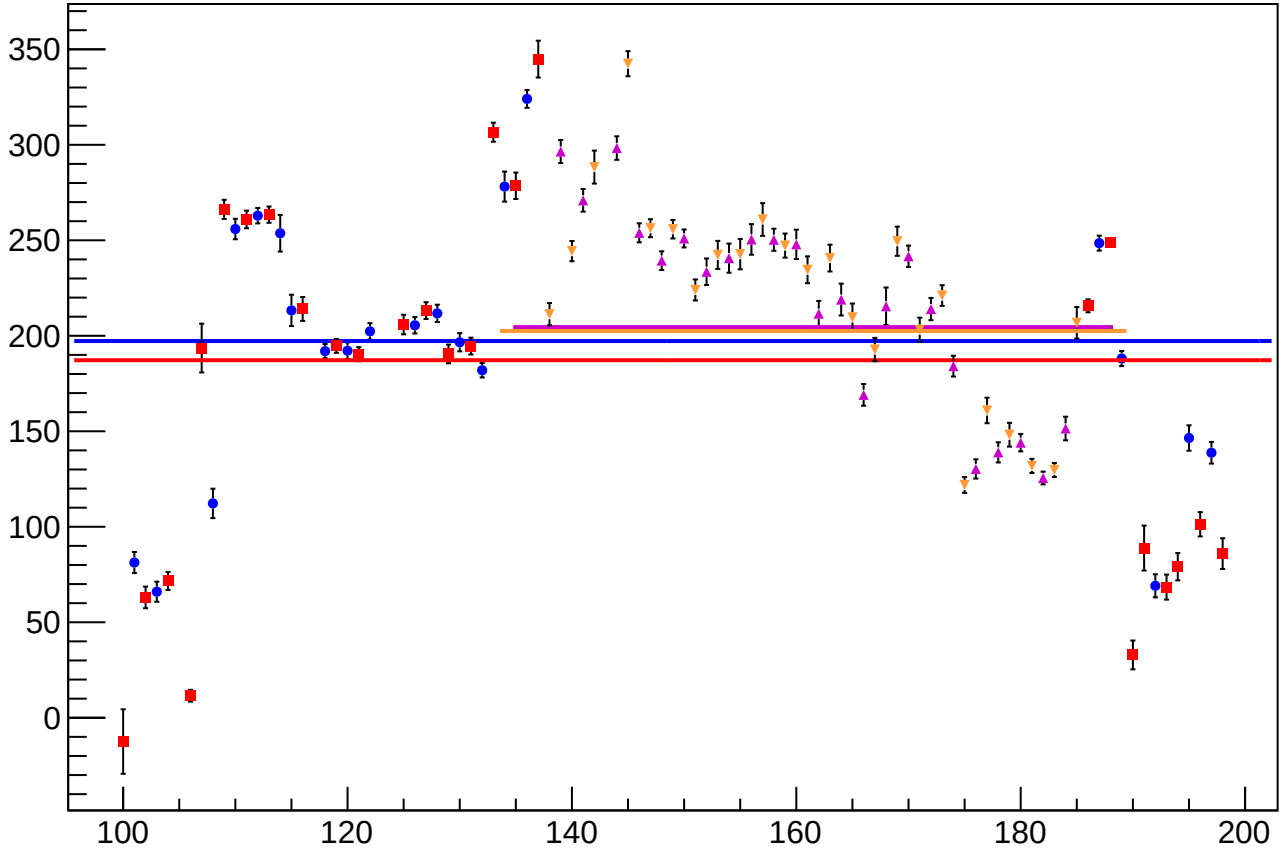
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 8.324+/-0.665 χ^2/NDF: 606.9/44

All: 8.638+/-0.466 χ^2/NDF: 1241.6/93

- sign 8.942+/-0.654 χ^2/NDF: 634.3/48

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 197.250+/-1.069 χ^2/NDF: 3277.9/20

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 187.205+/-0.915 χ^2/NDF: 8723.8/25

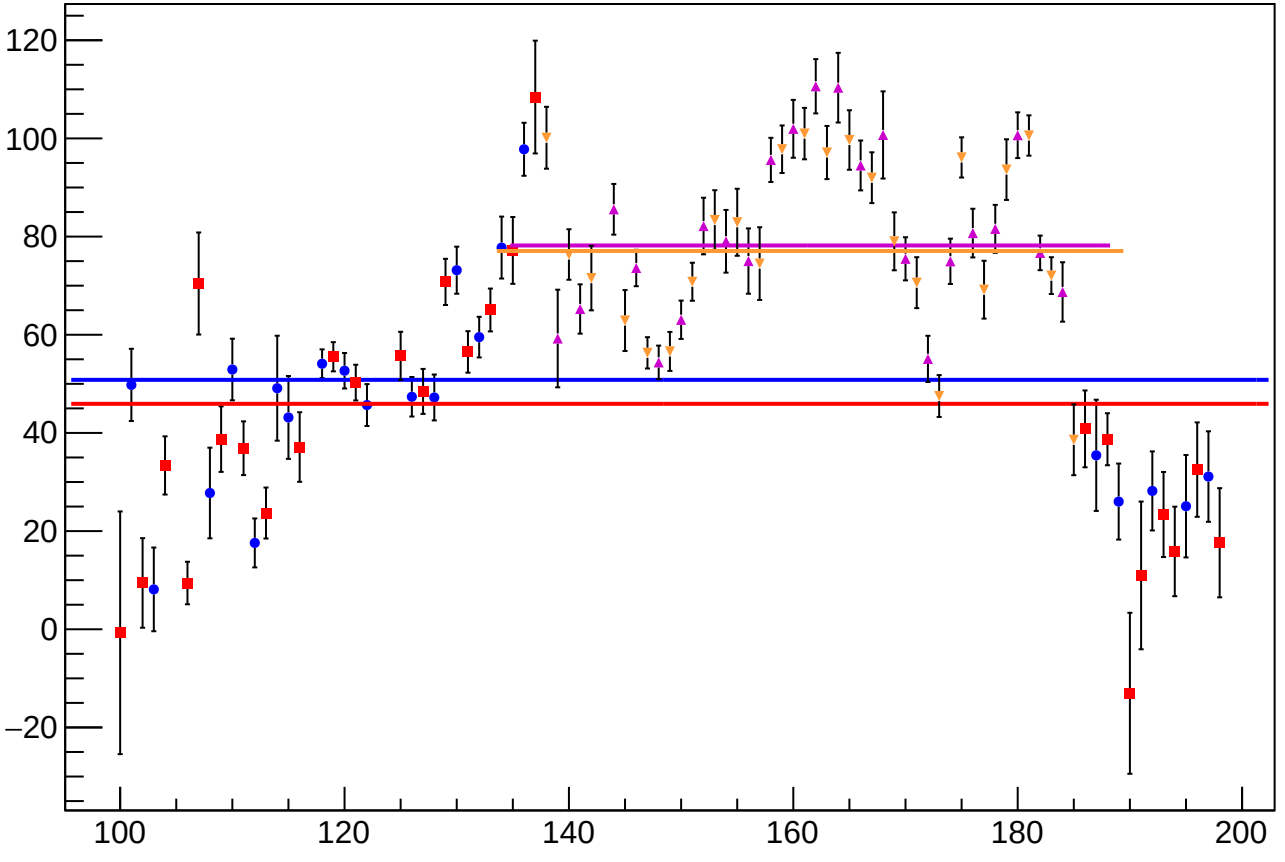
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 199.637+/-0.790 χ^2/NDF: 5682.4/44

All: 196.428+/-0.533 χ^2/NDF: 16857.7/93

- sign 193.743+/-0.722 χ^2/NDF: 11145.0/48

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 50.817+/-1.187 χ^2/NDF: 231.8/20

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 45.931+/-1.130 χ^2/NDF: 291.2/25

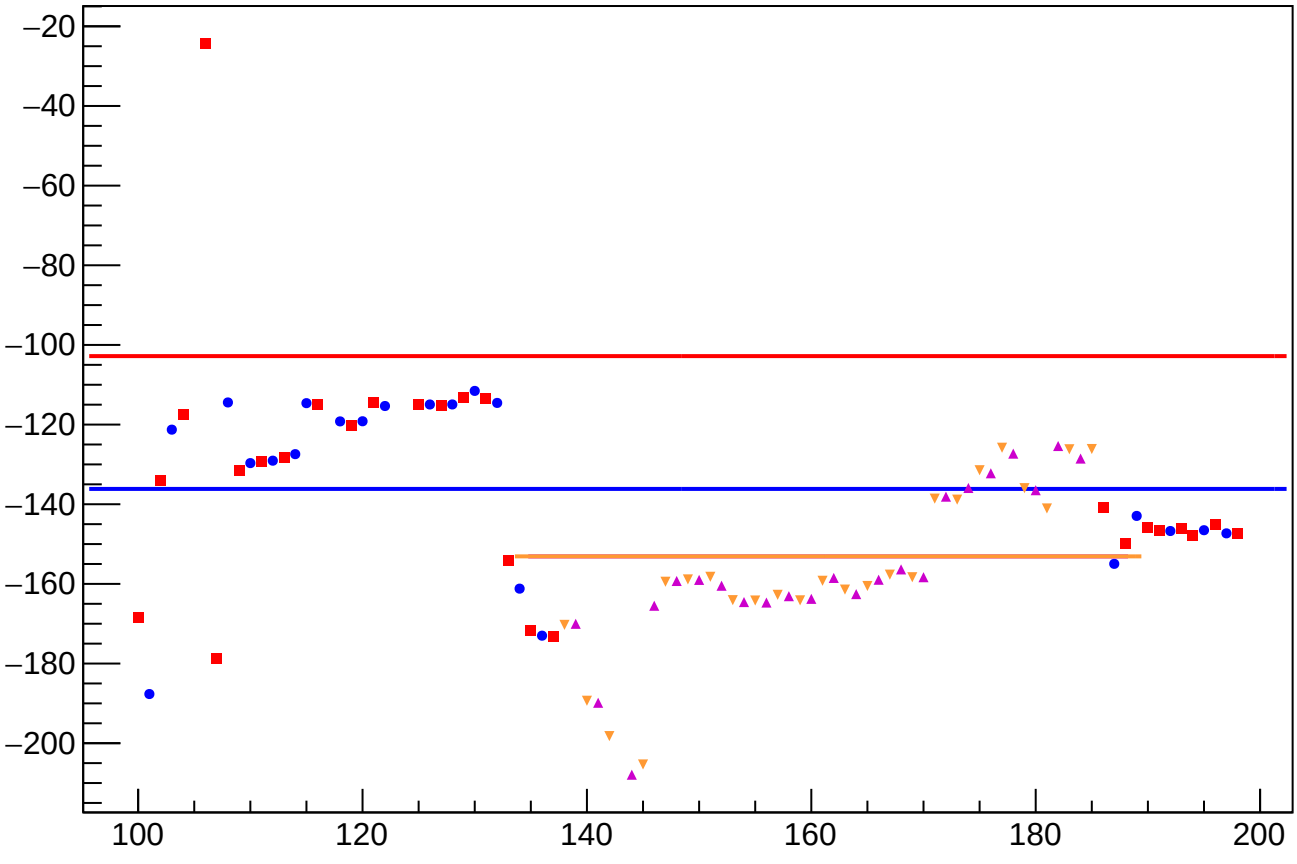
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 65.975+/-0.772 χ^2/NDF: 825.3/44

All: 64.782+/-0.541 χ^2/NDF: 1800.4/93

- sign 63.625+/-0.760 χ^2/NDF: 970.4/48

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -136.153+/-0.071 χ^2/NDF: 100606.4/20

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -102.807+/-0.056 χ^2/NDF: 922576.9/25

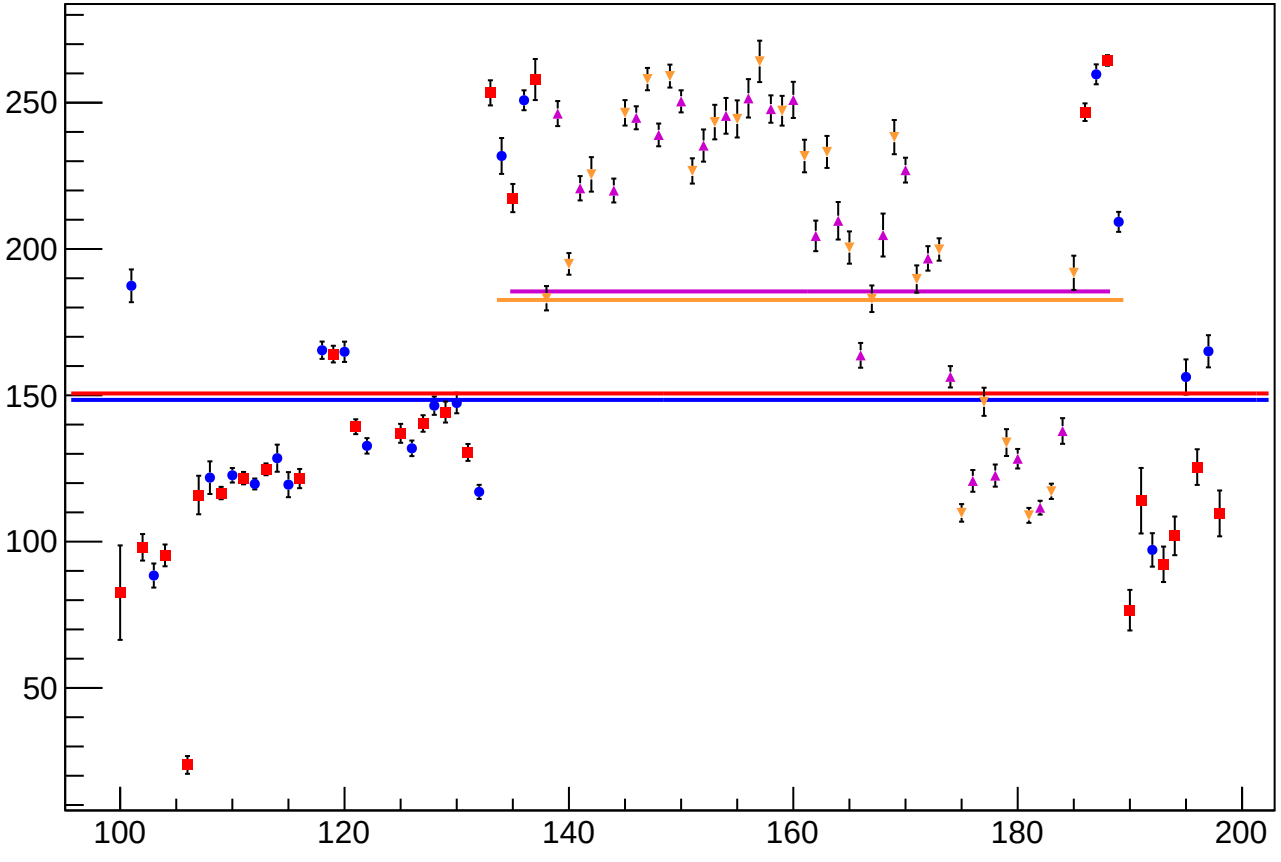
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.926+/-0.039 χ^2/NDF: 317889.7/44

All: -139.549+/-0.026 χ^2/NDF: 1967591.3/93

- sign -132.516+/-0.036 χ^2/NDF: 1565334.4/48

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 148.432+/-0.728 χ^2/NDF: 3561.4/20

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.634+/-0.646 χ^2/NDF: 9256.2/25

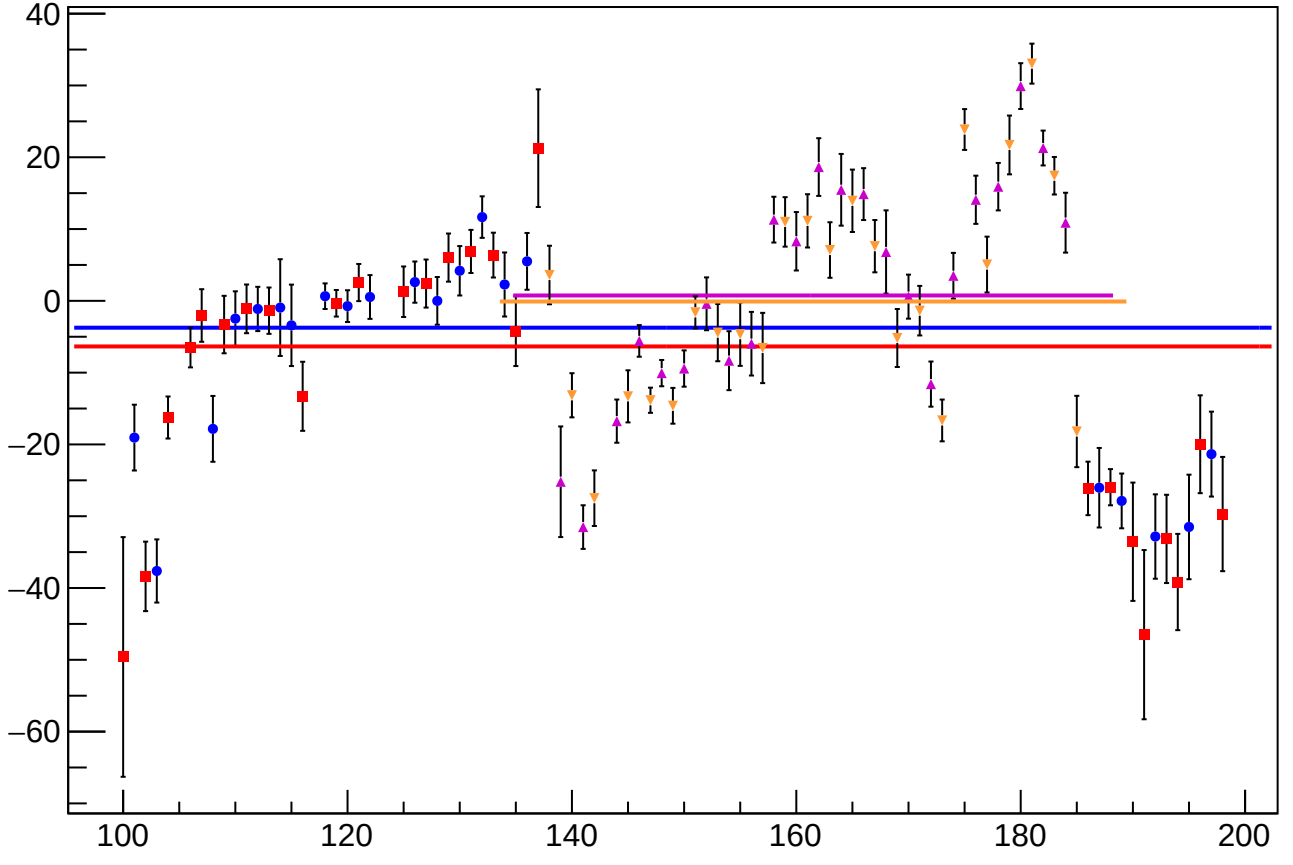
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 162.573+/-0.557 χ^2/NDF: 8625.7/44

All: 162.797+/-0.380 χ^2/NDF: 22735.3/93

- sign 162.991+/-0.519 χ^2/NDF: 14109.3/48

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -3.741+/-0.765 χ^2/NDF: 242.0/20

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.353+/-0.713 χ^2/NDF: 332.7/25

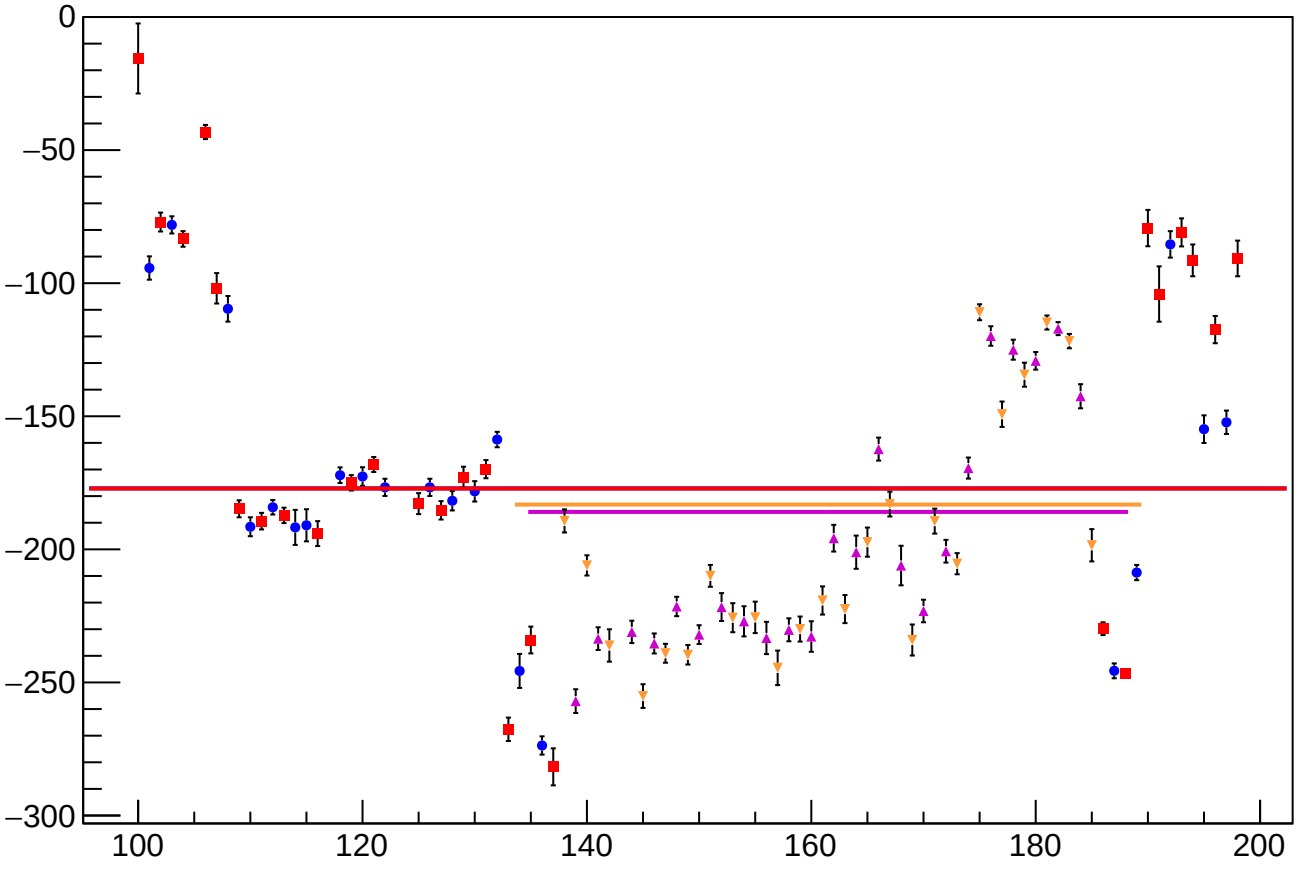
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -1.635+/-0.497 χ^2/NDF: 810.4/44

All: -2.106+/-0.348 χ^2/NDF: 1695.6/93

- sign -2.557+/-0.486 χ^2/NDF: 883.5/48

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -177.098+/-0.792 χ^2/NDF: 3593.2/20

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -177.136+/-0.675 χ^2/NDF: 9360.1/25

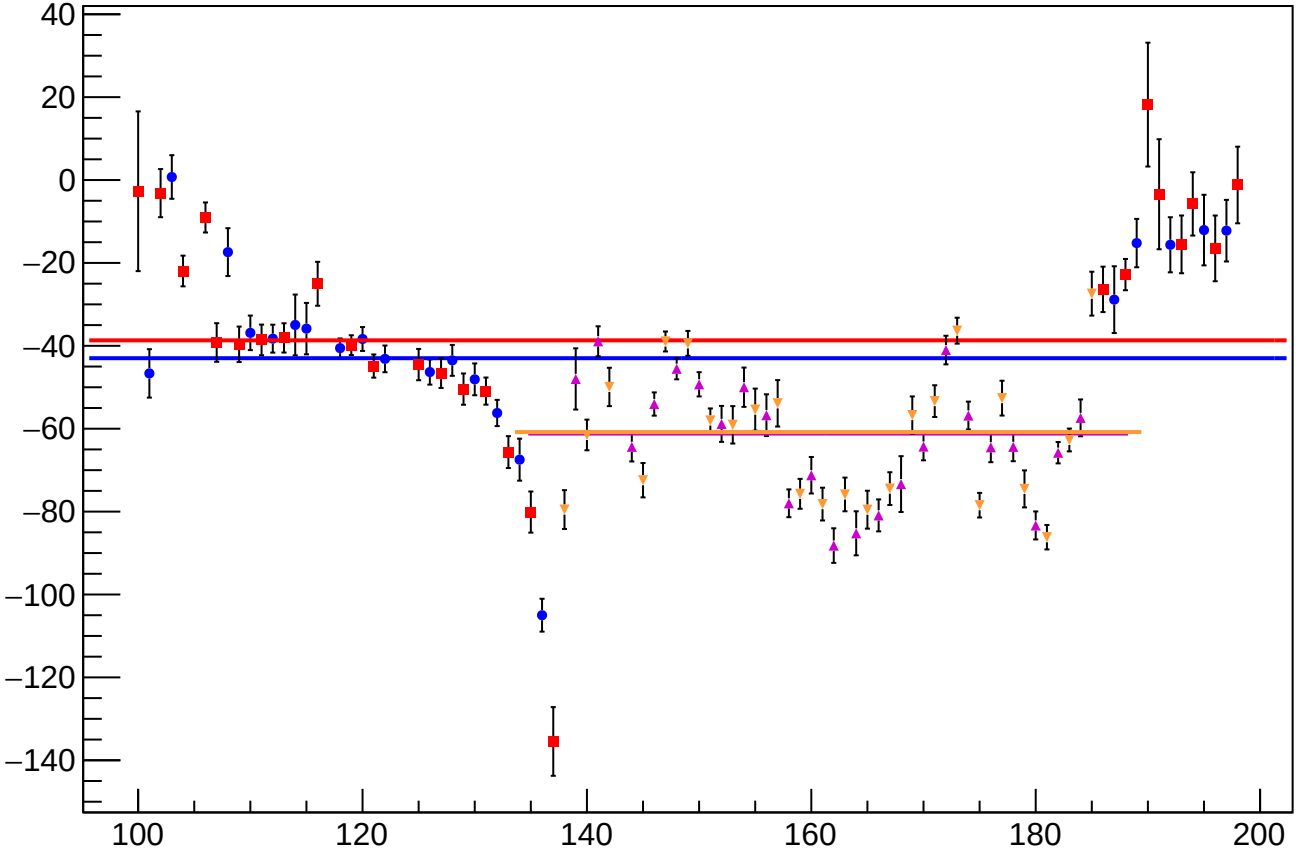
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -179.878+/-0.583 χ^2/NDF: 6981.3/44

All: -180.194+/-0.393 χ^2/NDF: 19587.6/93

- sign -180.457+/-0.533 χ^2/NDF: 12605.8/48

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -42.987+/-0.899 χ^2/NDF: 461.1/20

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -38.681+/-0.849 χ^2/NDF: 524.4/25

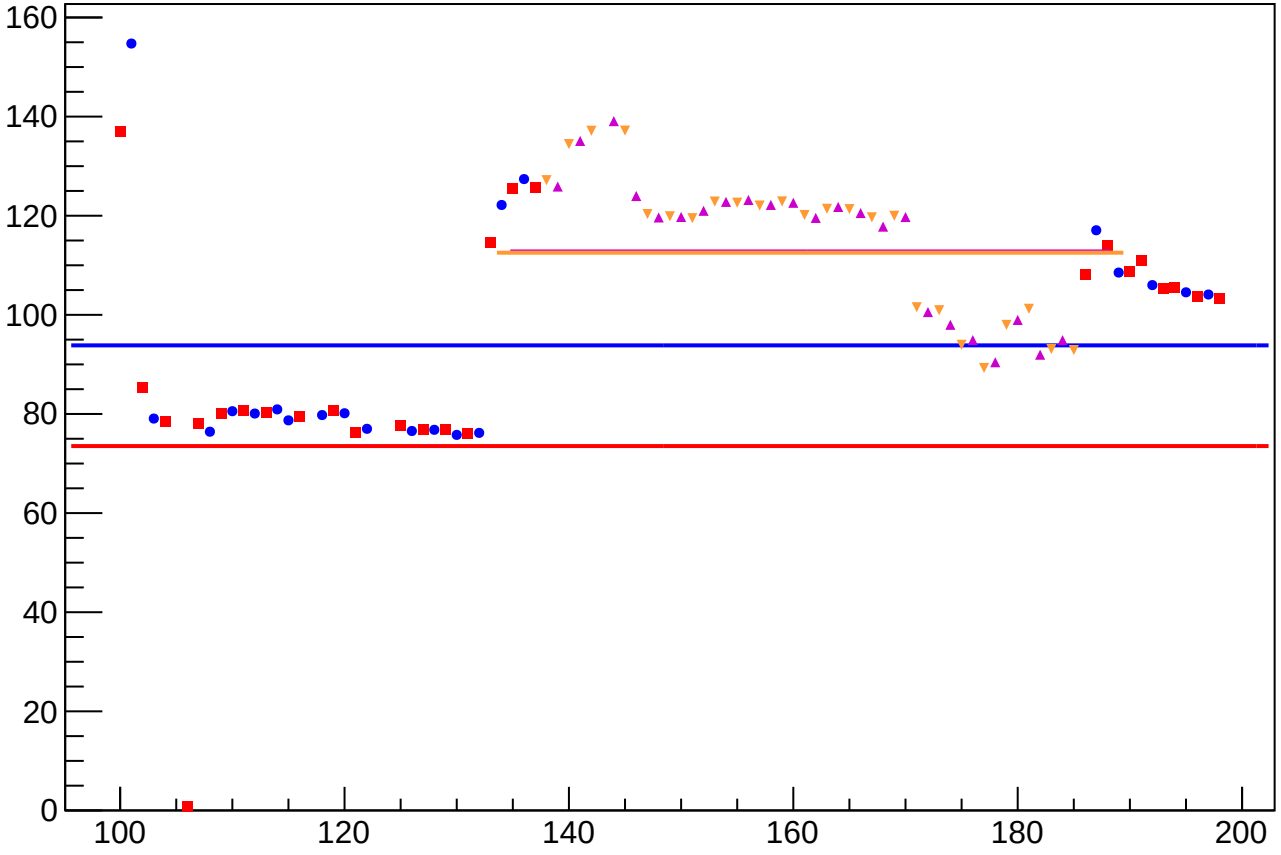
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -53.505+/-0.575 χ^2/NDF: 1166.9/44

All: -52.336+/-0.403 χ^2/NDF: 2407.5/93

- sign -51.209+/-0.565 χ^2/NDF: 1232.5/48

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 93.842+/-0.052 χ^2/NDF: 176340.0/20

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 73.522+/-0.044 χ^2/NDF: 831937.6/25

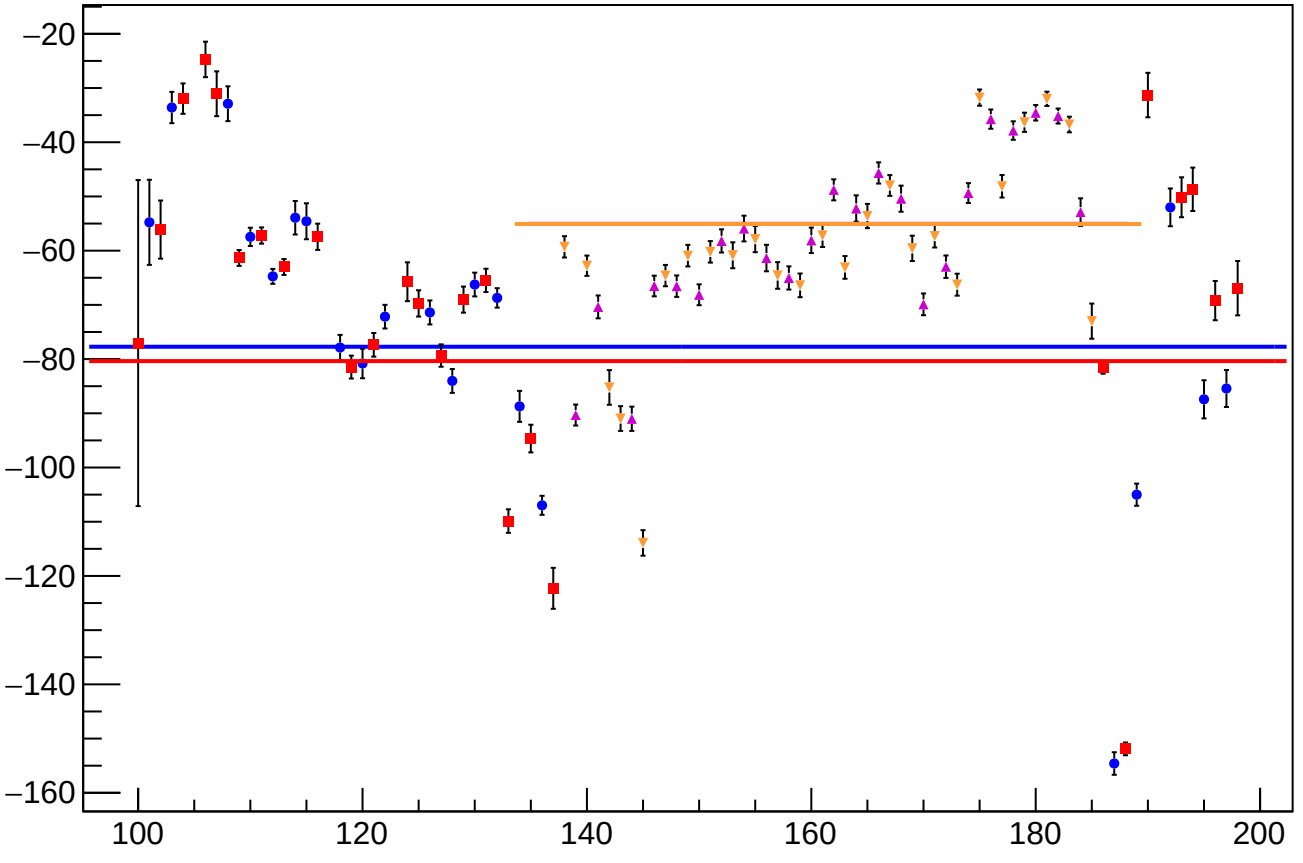
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.868+/-0.029 χ^2/NDF: 439509.0/44

All: 101.986+/-0.020 χ^2/NDF: 1996489.3/93

- sign 97.709+/-0.027 χ^2/NDF: 1503320.2/48

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -77.720+/-0.504 χ^2/NDF: 2758.0/20

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.370+/-0.432 χ^2/NDF: 5801.6/25

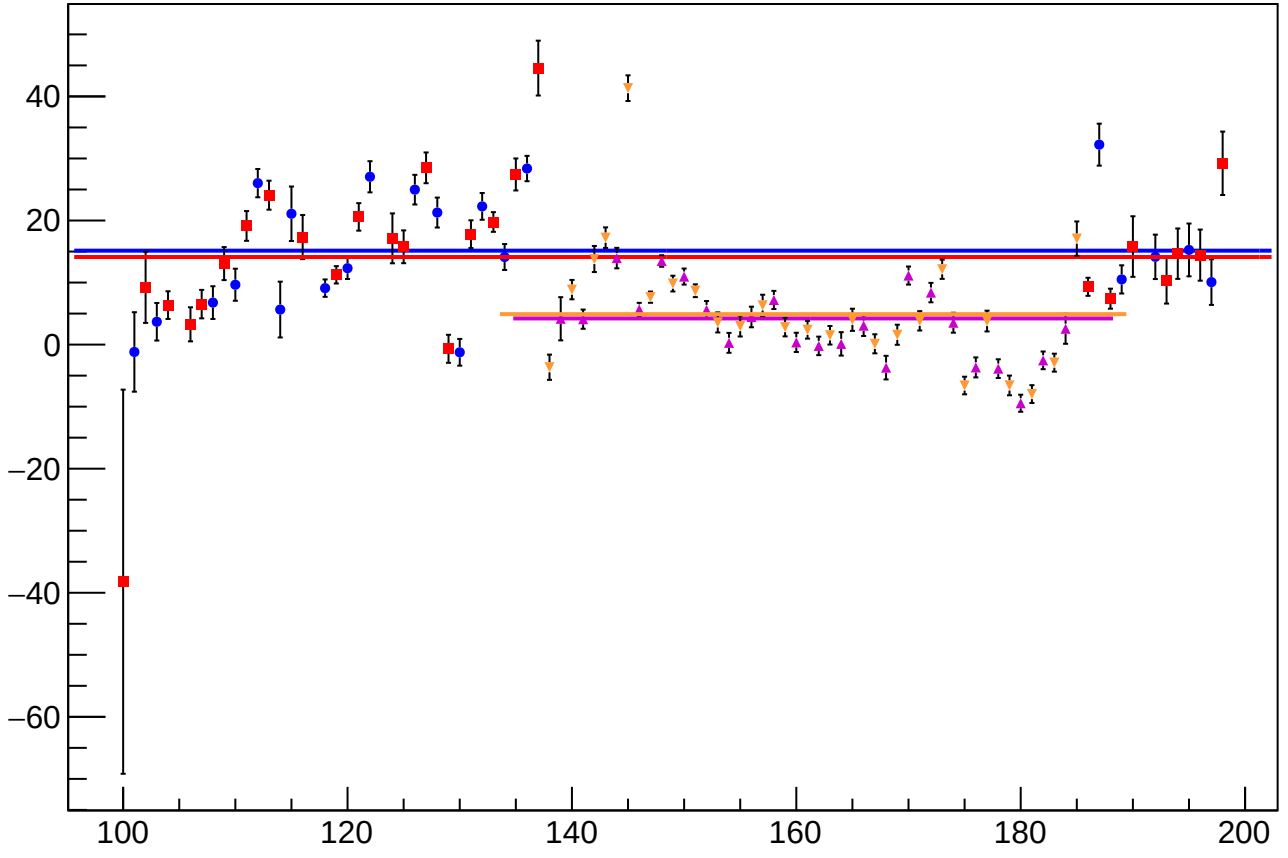
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.839+/-0.314 χ^2/NDF: 5997.3/45

All: -65.528+/-0.216 χ^2/NDF: 15199.6/94

- sign -67.051+/-0.298 χ^2/NDF: 9147.1/48

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.142+/-0.538 χ^2/NDF: 274.1/20

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.117+/-0.480 χ^2/NDF: 283.4/25

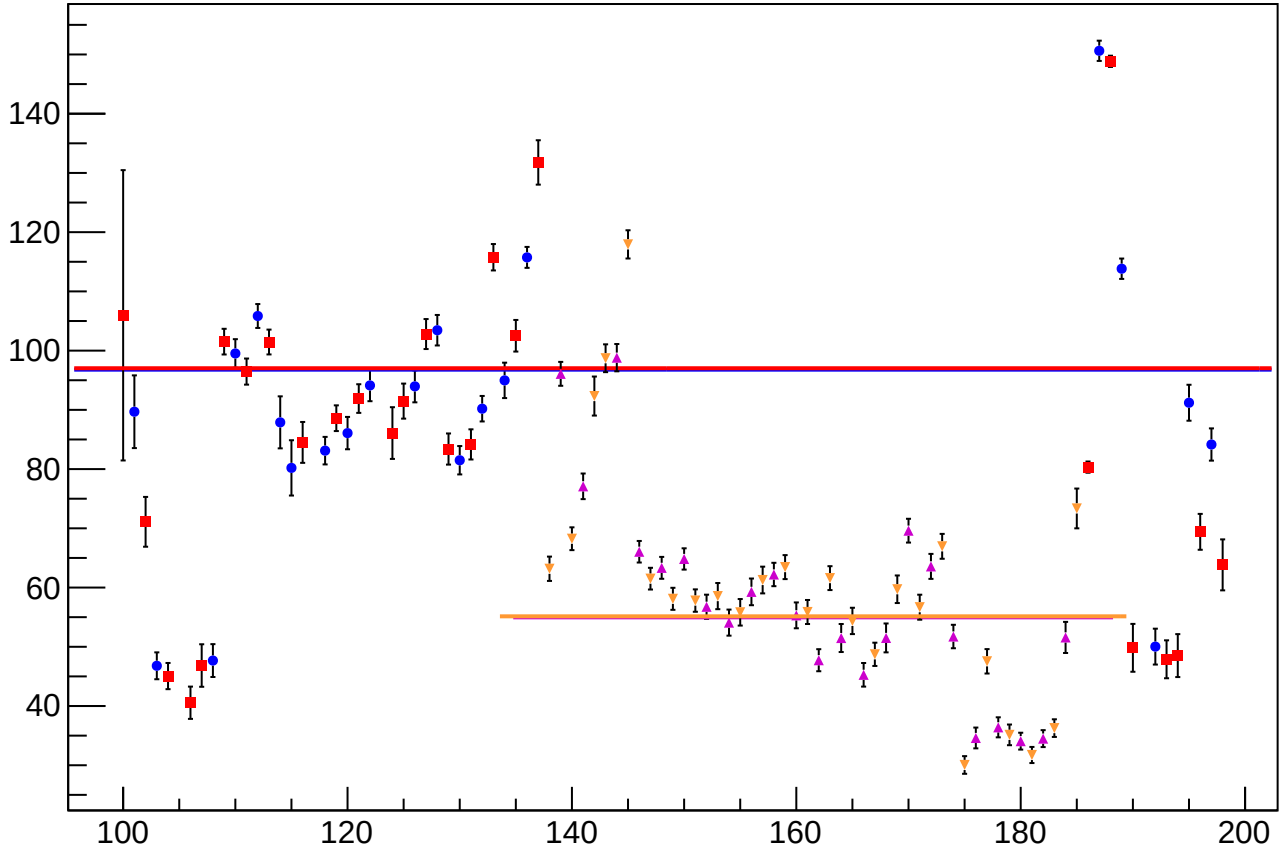
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.352+/-0.263 χ^2/NDF: 1290.7/45

All: 7.255+/-0.186 χ^2/NDF: 2288.2/94

- sign 7.159+/-0.262 χ^2/NDF: 997.2/48

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 96.789+/-0.537 χ^2/NDF: 2415.8/20

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 97.026+/-0.436 χ^2/NDF: 5473.3/25

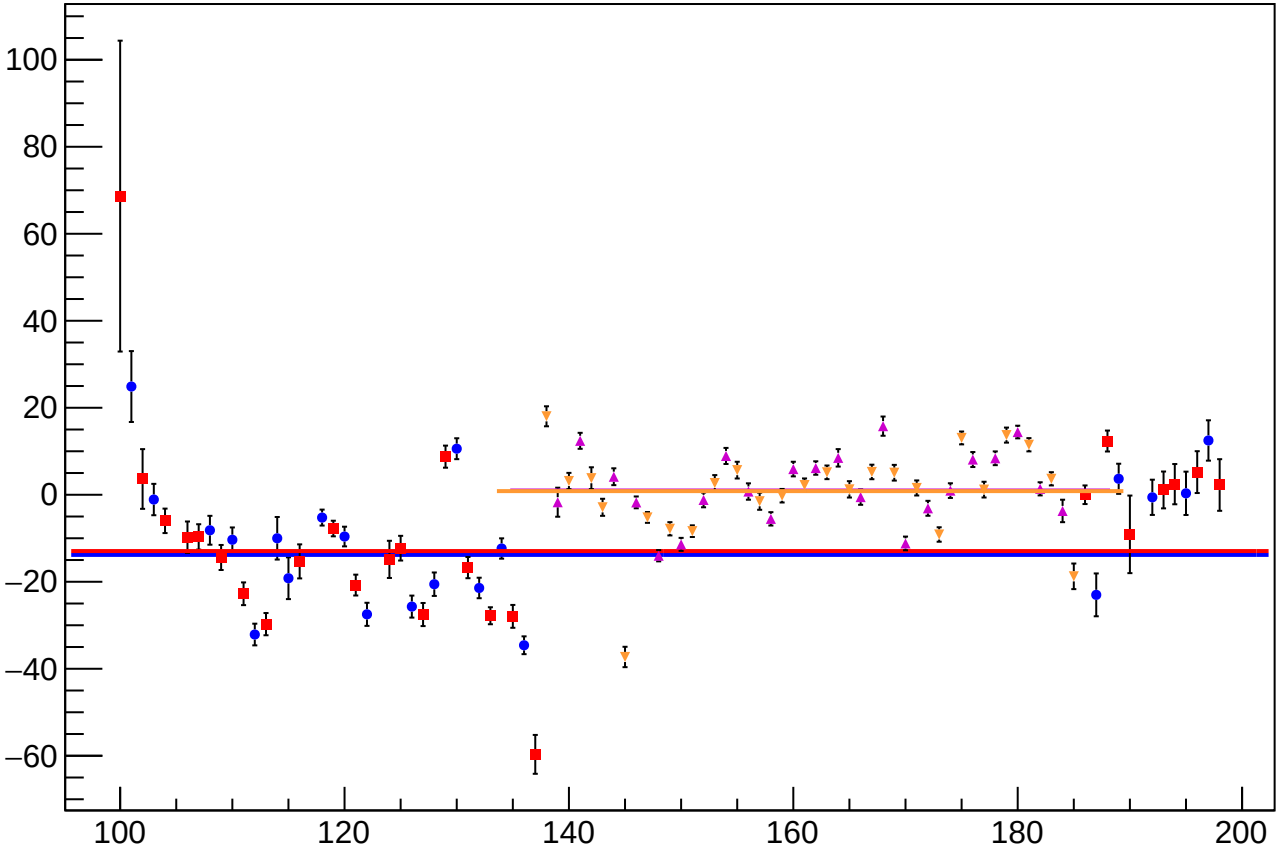
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.860+/-0.319 χ^2/NDF: 8549.0/45

All: 72.326+/-0.217 χ^2/NDF: 20897.0/94

- sign 74.463+/-0.297 χ^2/NDF: 12236.6/48

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.823+/-0.629 χ^2/NDF: 472.5/20

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

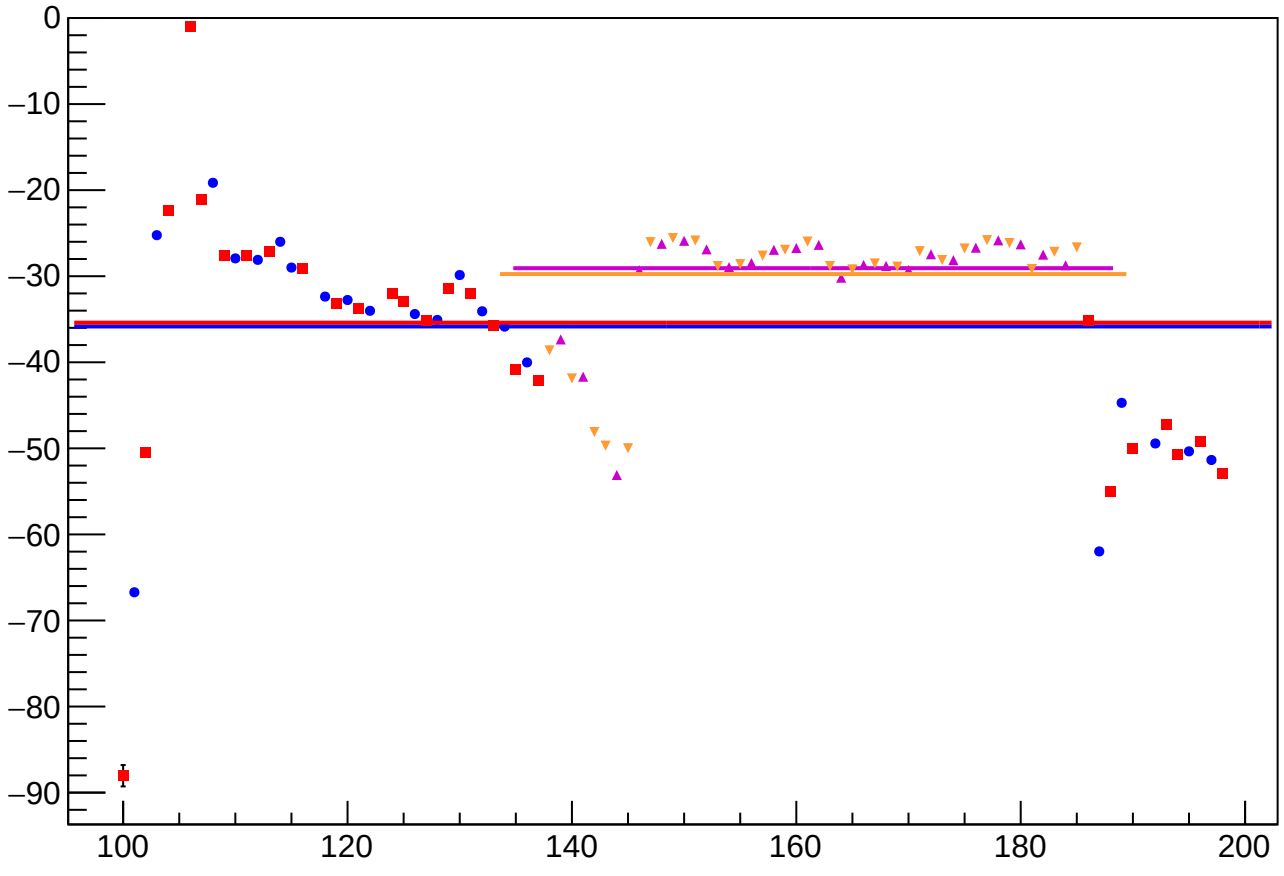
Right Out: -12.940+/-0.578 χ^2/NDF: 592.2/25

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.522+/-0.301 χ^2/NDF: 1609.0/45

All: -2.664+/-0.213 χ^2/NDF: 3182.2/94

\- sign -2.806+/-0.301 χ^2/NDF: 1572.7/48



Right In: -35.838+/-0.034 χ^2/NDF: 93055.1/20

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -35.395+/-0.032 χ^2/NDF: 188214.2/25

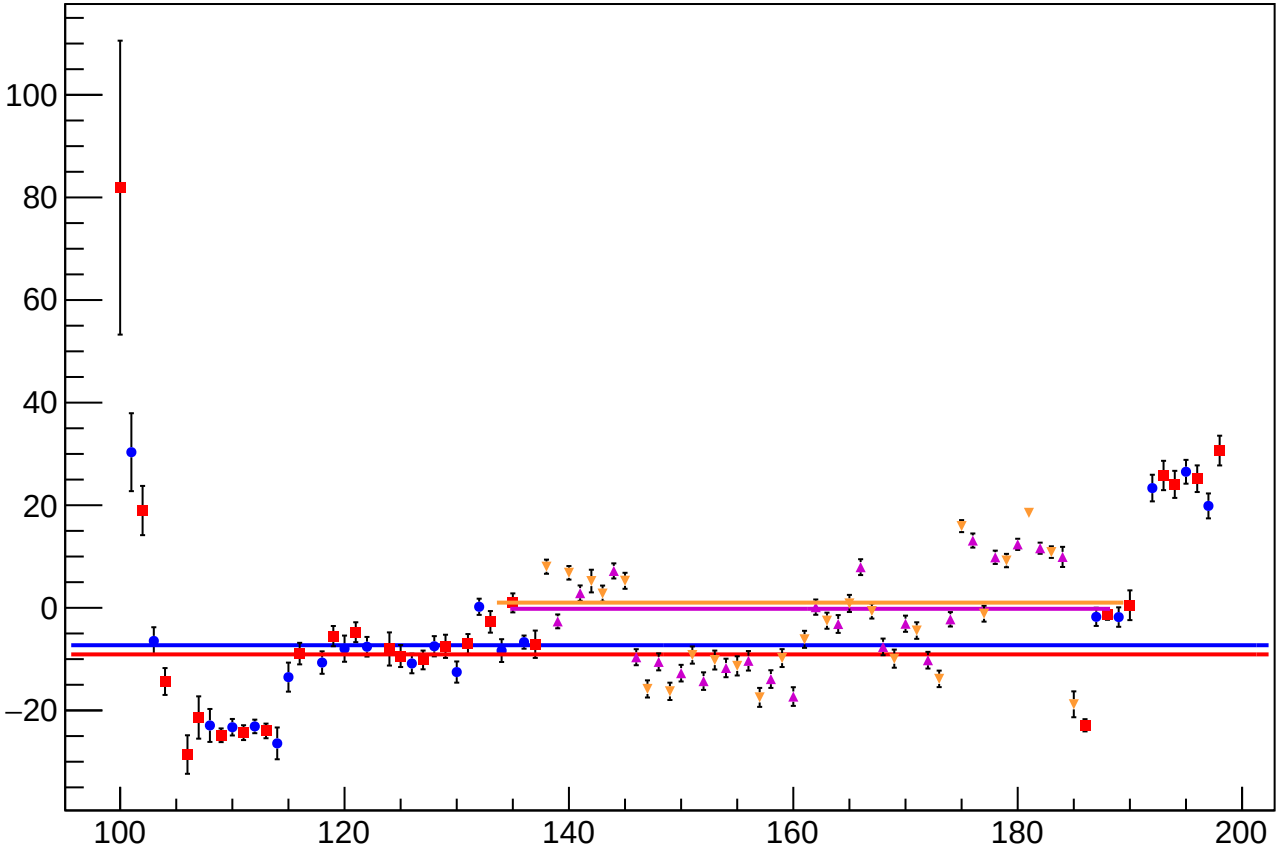
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.816+/-0.014 χ^2/NDF: 283249.0/45

All: -30.566+/-0.010 χ^2/NDF: 605323.0/94

- sign -30.317+/-0.014 χ^2/NDF: 321451.5/48

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -7.290+/-0.441 χ^2/NDF: 863.0/20

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -9.078+/-0.387 χ^2/NDF: 1365.8/25

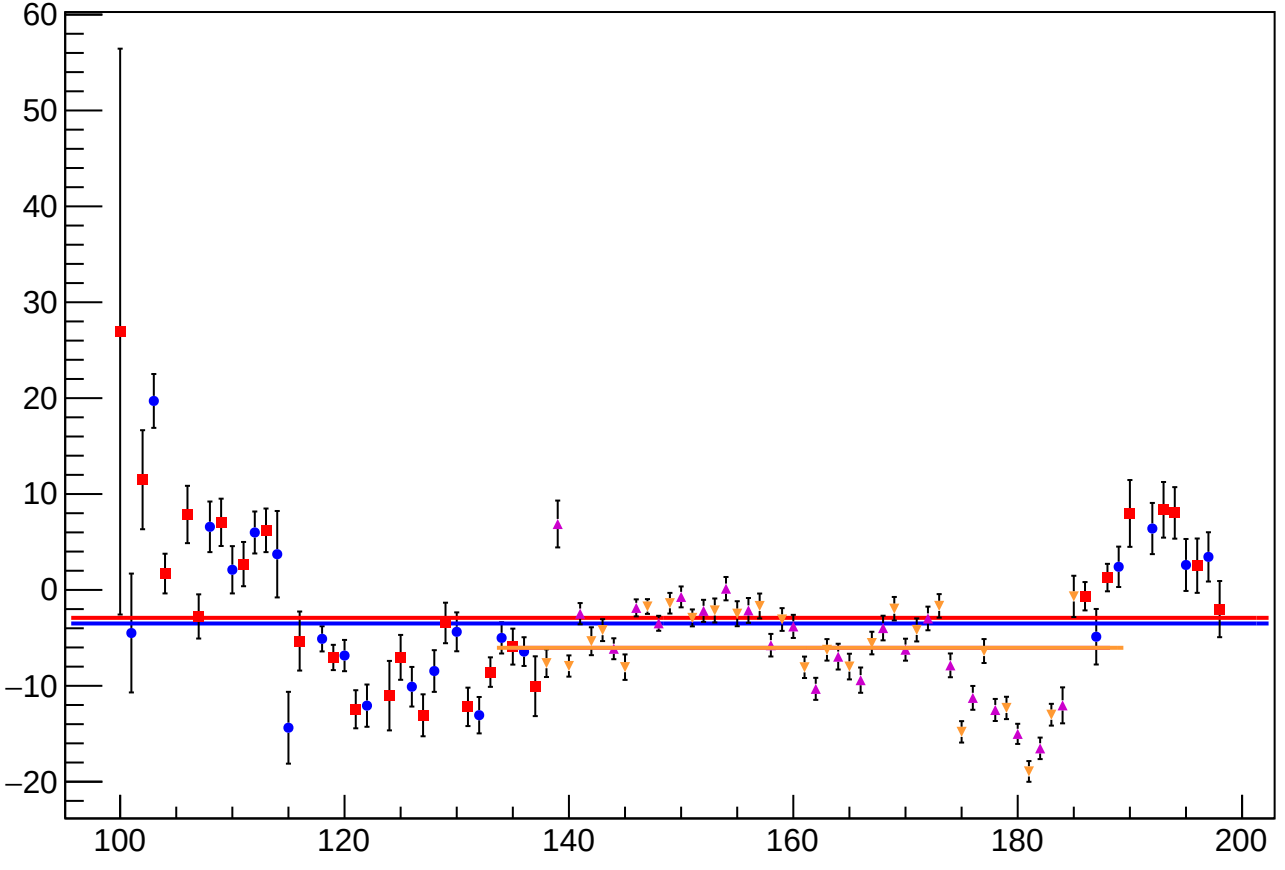
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -1.673+/-0.251 χ^2/NDF: 2438.4/45

All: -2.724+/-0.175 χ^2/NDF: 5138.2/94

- sign -3.721+/-0.244 χ^2/NDF: 2665.5/48

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.500+/-0.471 χ^2/NDF: 218.5/20

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.912+/-0.433 χ^2/NDF: 227.2/25

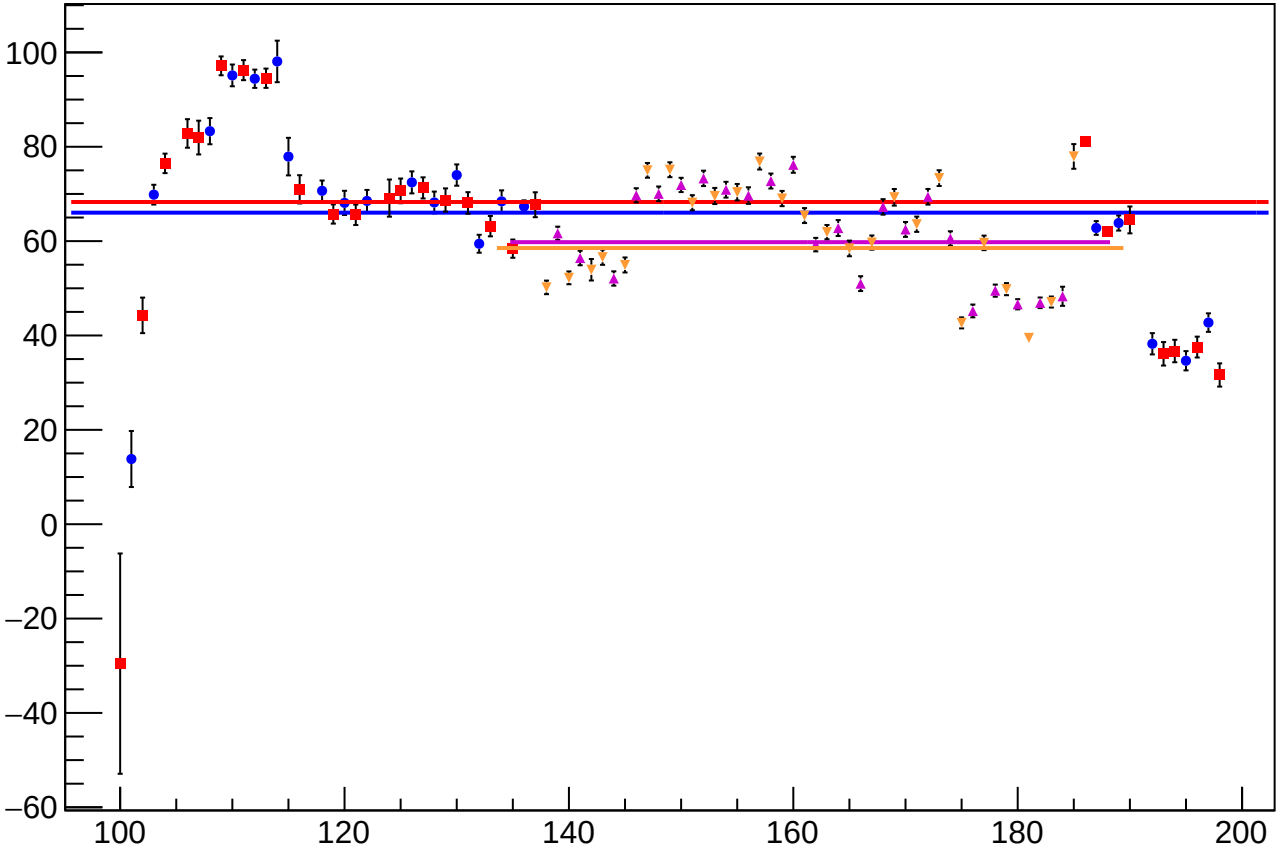
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.535+/-0.209 χ^2/NDF: 656.8/45

All: -5.417+/-0.149 χ^2/NDF: 1320.6/94

- sign -5.295+/-0.212 χ^2/NDF: 663.2/48

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 66.031+/-0.462 χ^2/NDF: 1132.0/20

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 68.291+/-0.390 χ^2/NDF: 1692.0/25

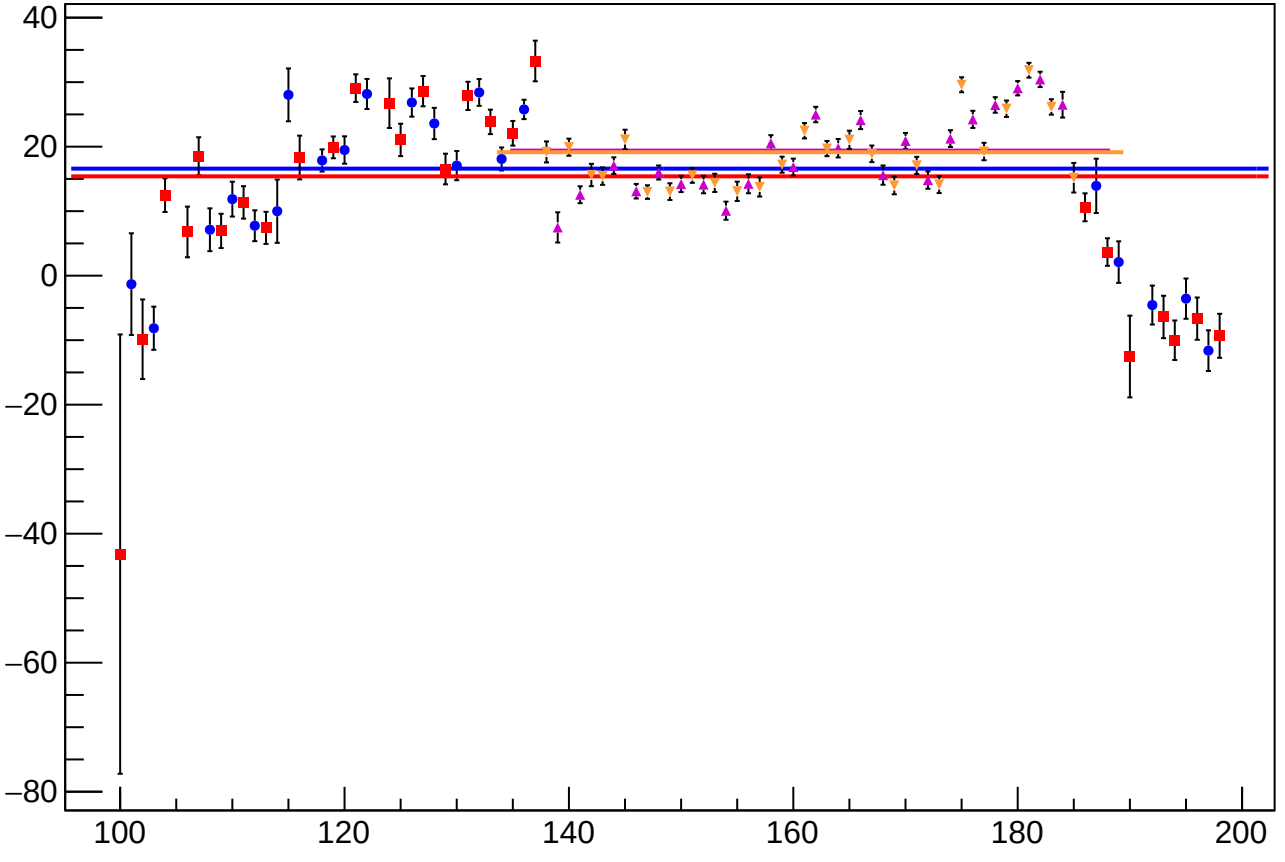
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 60.787+/-0.253 χ^2/NDF: 2765.2/45

All: 61.988+/-0.176 χ^2/NDF: 5862.0/94

- sign 63.096+/-0.243 χ^2/NDF: 3053.6/48

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 16.593+/-0.544 χ^2/NDF: 413.7/20

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 15.398+/-0.516 χ^2/NDF: 506.1/25

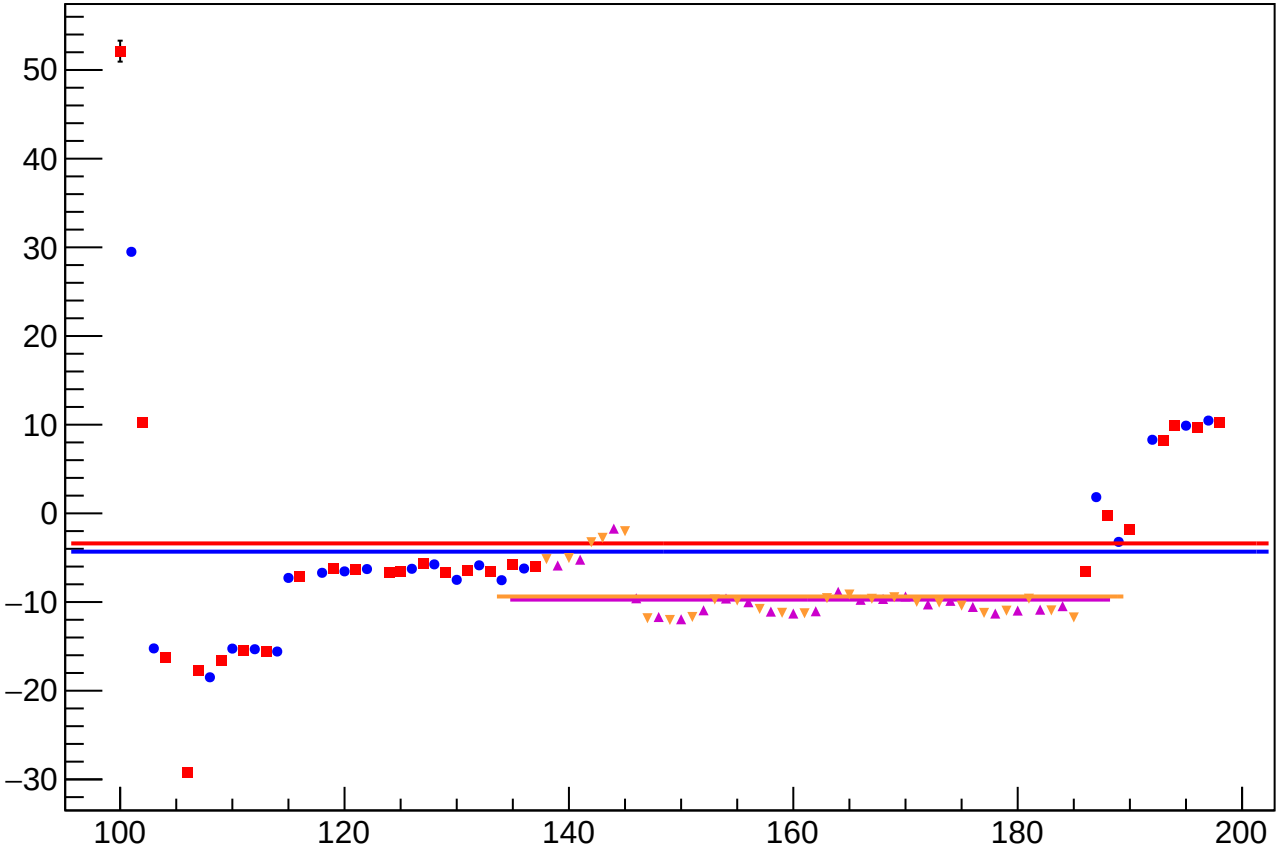
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.652+/-0.237 χ^2/NDF: 865.2/45

All: 18.585+/-0.169 χ^2/NDF: 1885.9/94

- sign 18.514+/-0.242 χ^2/NDF: 1020.5/48

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -4.319+/-0.028 χ^2/NDF: 115233.2/20

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -3.388+/-0.027 χ^2/NDF: 160151.0/25

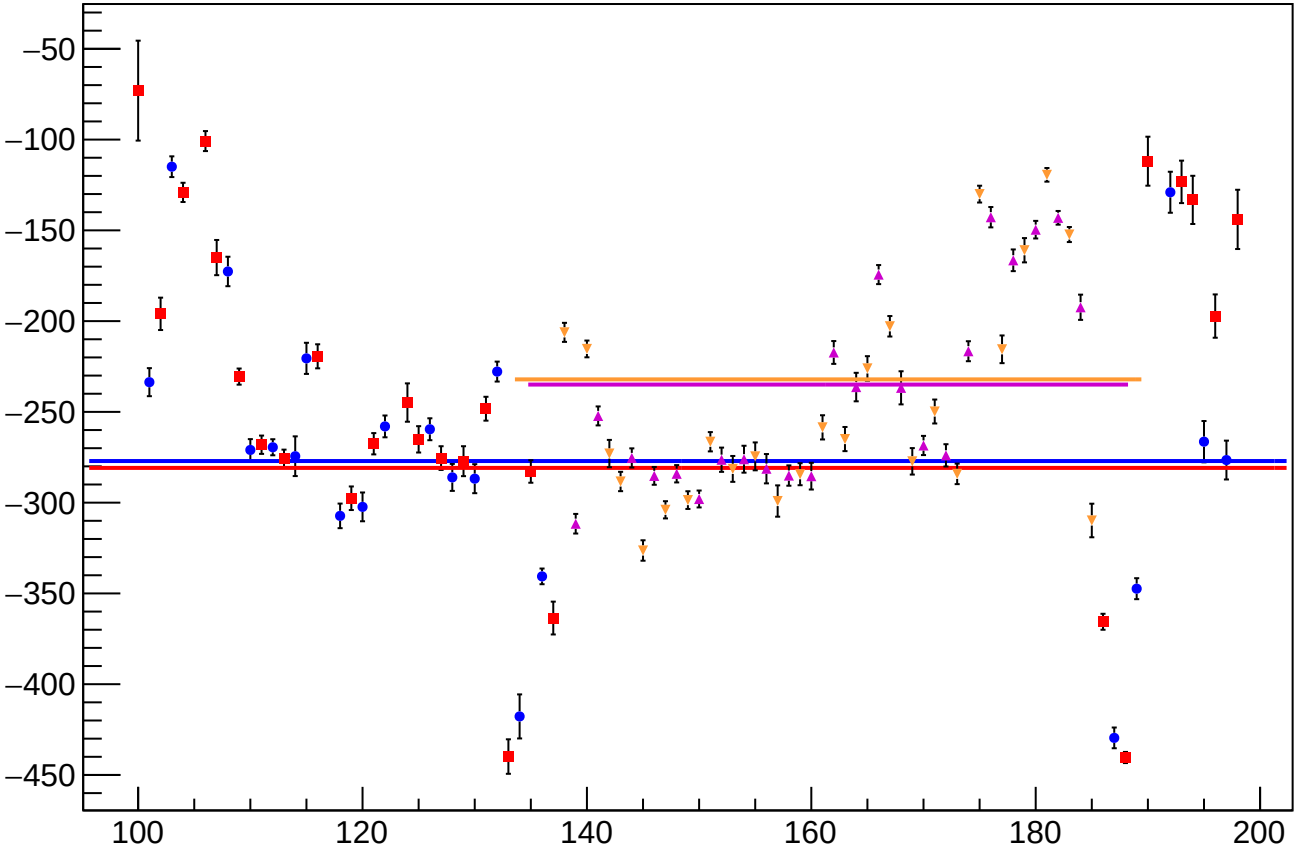
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -8.584+/-0.011 χ^2/NDF: 193494.6/45

All: -8.612+/-0.008 χ^2/NDF: 432473.8/94

- sign -8.641+/-0.011 χ^2/NDF: 238965.5/48

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -277.072+/-1.460 χ^2/NDF: 2568.8/20

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -280.856+/-1.262 χ^2/NDF: 6479.2/25

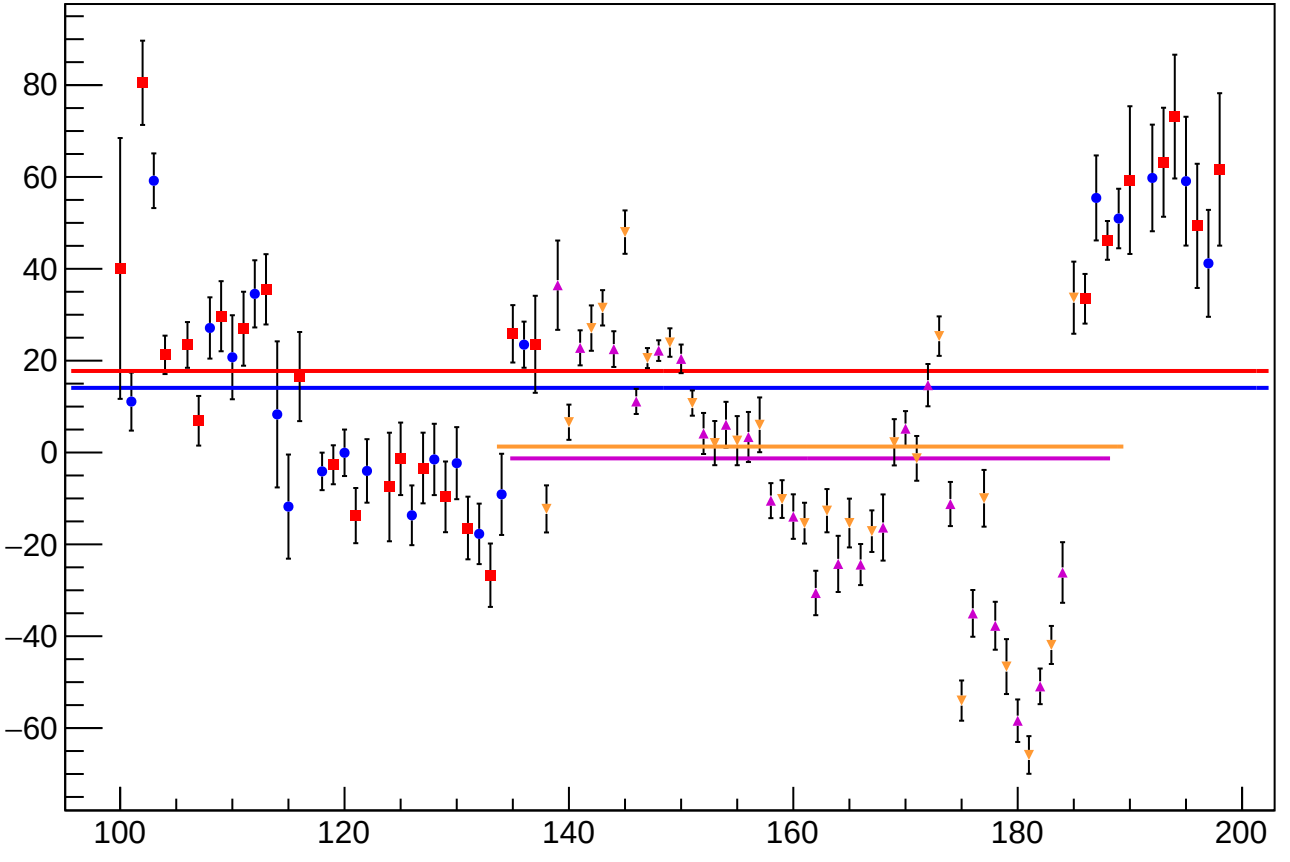
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -249.180+/-0.900 χ^2/NDF: 6427.1/45

All: -252.894+/-0.622 χ^2/NDF: 16117.7/94

- sign -256.286+/-0.860 χ^2/NDF: 9658.0/48

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.074+/-1.533 χ^2/NDF: 253.5/20

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 17.754+/-1.363 χ^2/NDF: 317.0/25

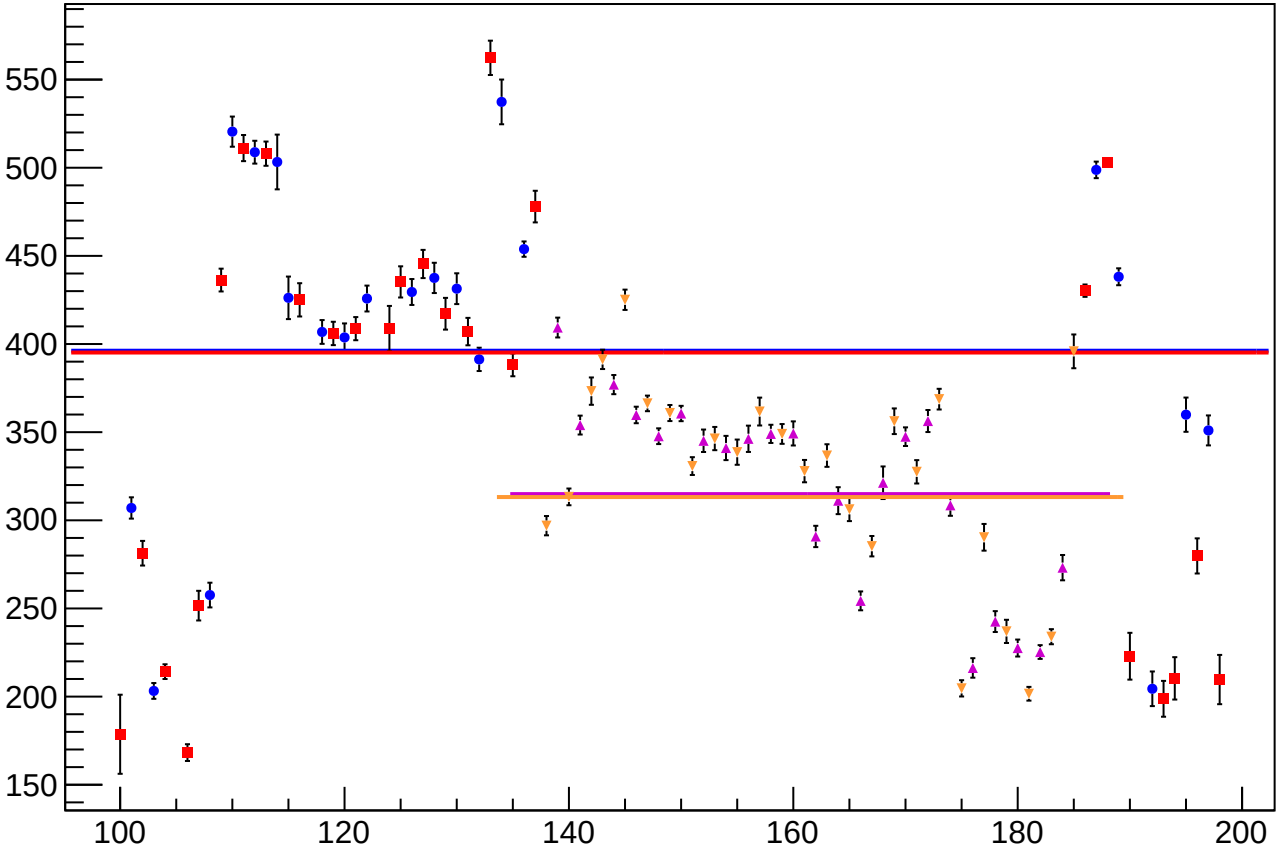
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 4.228+/-0.735 χ^2/NDF: 1356.5/45

All: 4.224+/-0.519 χ^2/NDF: 2623.3/94

- sign 4.219+/-0.733 χ^2/NDF: 1266.9/48

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 396.195+/-1.485 χ^2/NDF: 4388.8/20

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 395.179+/-1.237 χ^2/NDF: 8929.4/25

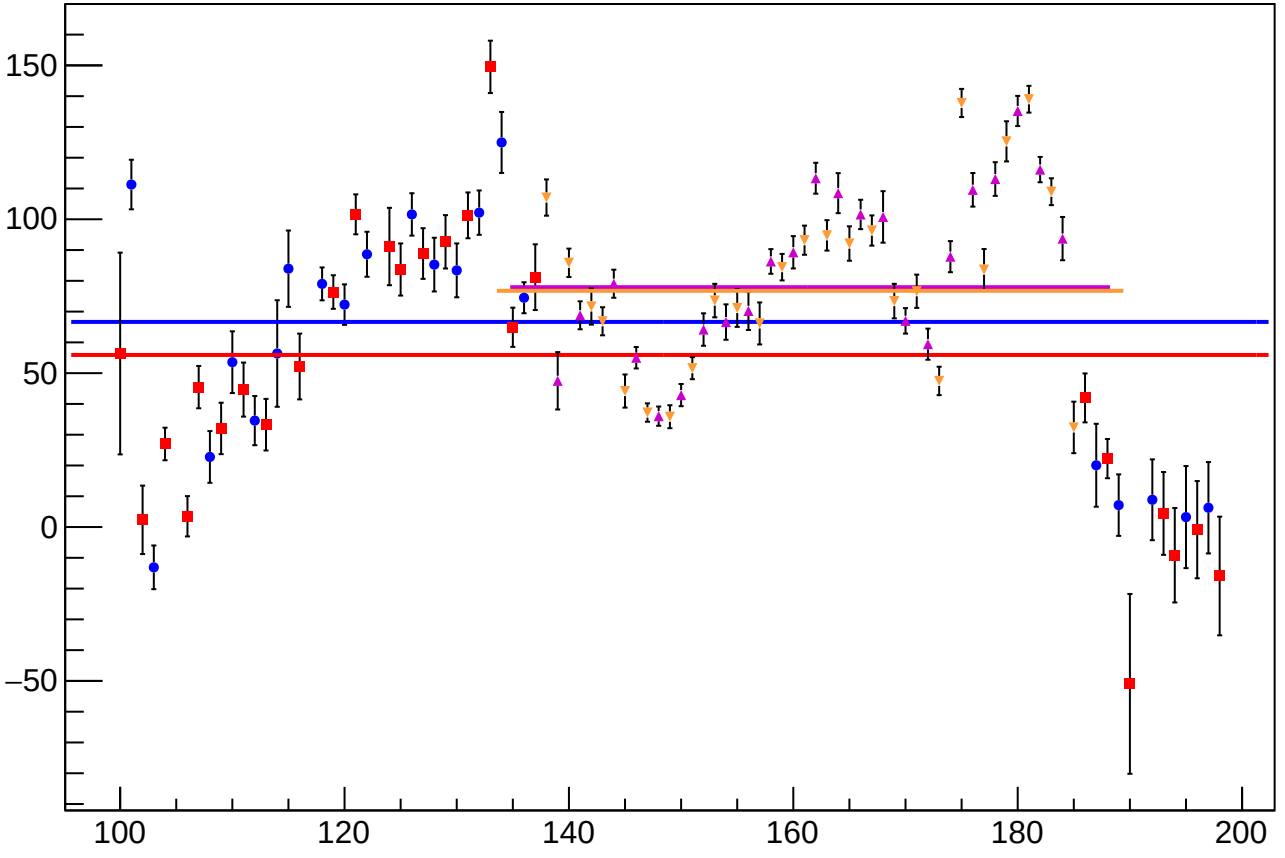
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 343.757+/-0.901 χ^2/NDF: 9497.0/45

All: 348.388+/-0.617 χ^2/NDF: 23144.8/94

- sign 352.476+/-0.847 χ^2/NDF: 13598.1/48

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 66.650+/-1.804 χ^2/NDF: 412.6/20

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 55.913+/-1.647 χ^2/NDF: 522.4/25

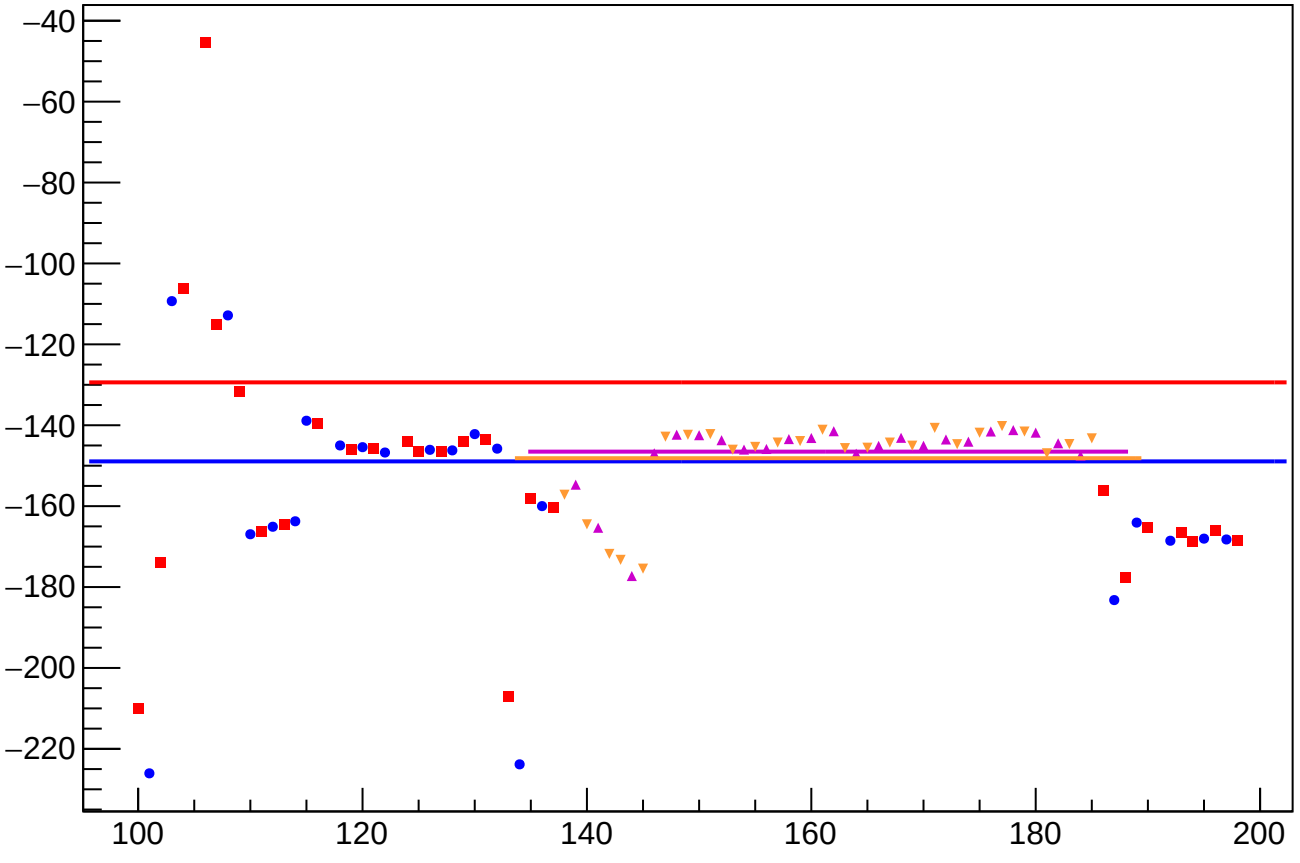
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 74.503+/-0.852 χ^2/NDF: 1472.3/45

All: 73.264+/-0.603 χ^2/NDF: 2913.5/94

- sign 72.023+/-0.853 χ^2/NDF: 1437.0/48

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -148.934+/-0.090 χ^2/NDF: 141476.3/20

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -129.400+/-0.080 χ^2/NDF: 330148.2/25

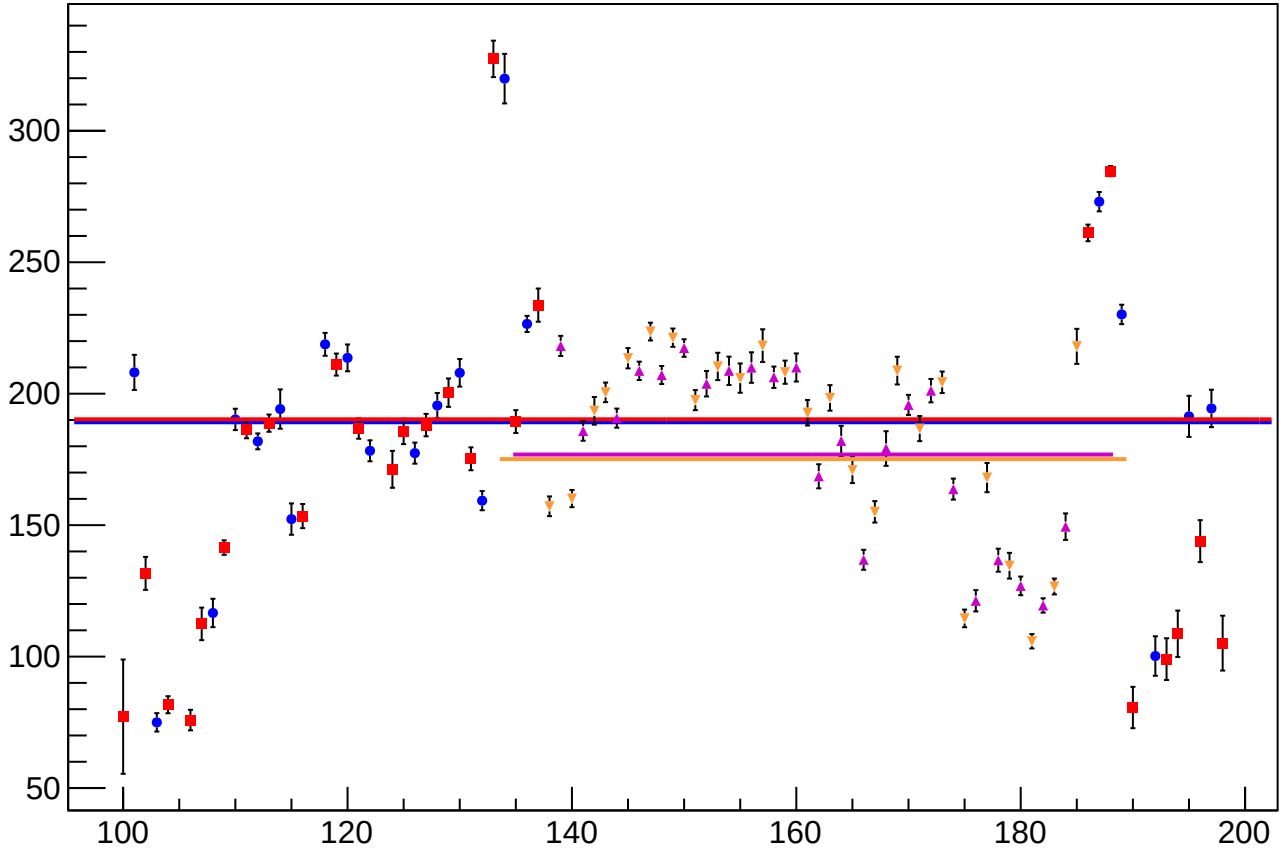
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.305+/-0.040 χ^2/NDF: 190447.1/45

All: -145.258+/-0.028 χ^2/NDF: 595598.7/94

- sign -142.326+/-0.040 χ^2/NDF: 393956.4/48

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 189.139+/-0.978 χ^2/NDF: 2589.7/20

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 190.258+/-0.835 χ^2/NDF: 6512.5/25

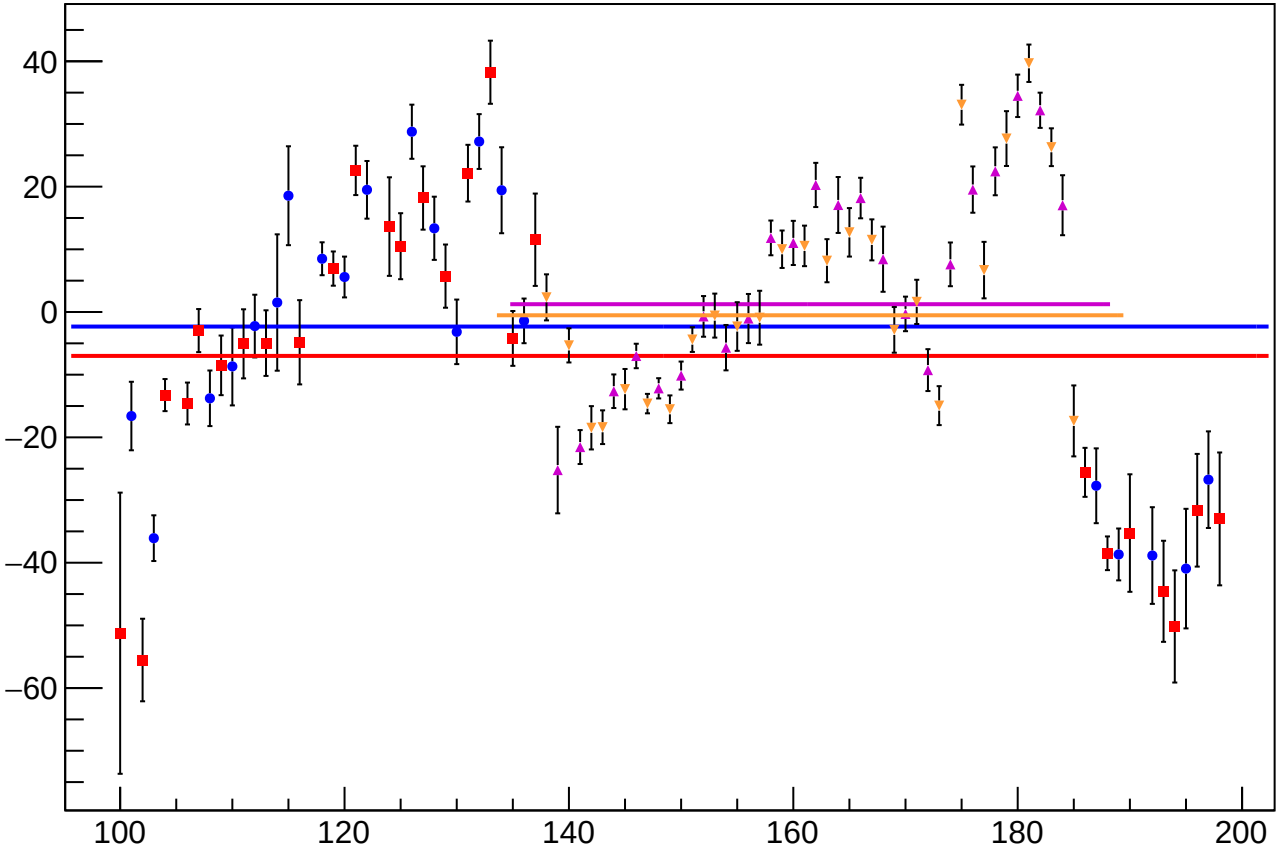
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

\+ sign 180.925+/-0.629 χ^2/NDF: 5005.1/45

All: 182.368+/-0.432 χ^2/NDF: 13410.6/94

\- sign 183.657+/-0.595 χ^2/NDF: 8395.5/48

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.322+/-1.026 χ^2/NDF: 414.1/20

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -7.005+/-0.898 χ^2/NDF: 559.4/25

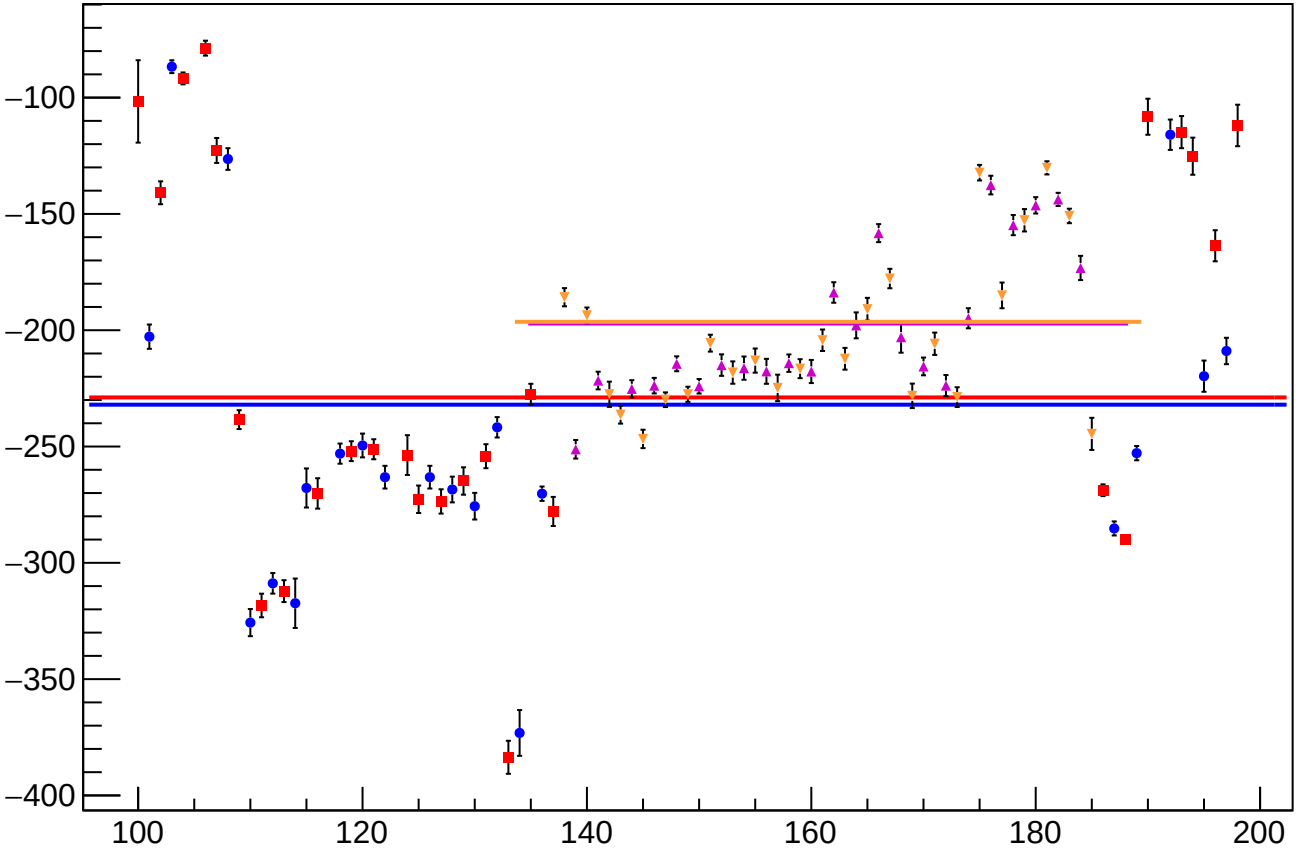
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -0.983+/-0.518 χ^2/NDF: 1140.8/45

All: -1.219+/-0.365 χ^2/NDF: 2378.1/94

- sign -1.451+/-0.513 χ^2/NDF: 1236.8/48

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -232.008+/-0.992 χ^2/NDF: 5257.3/20

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -228.892+/-0.815 χ^2/NDF: 10031.9/25

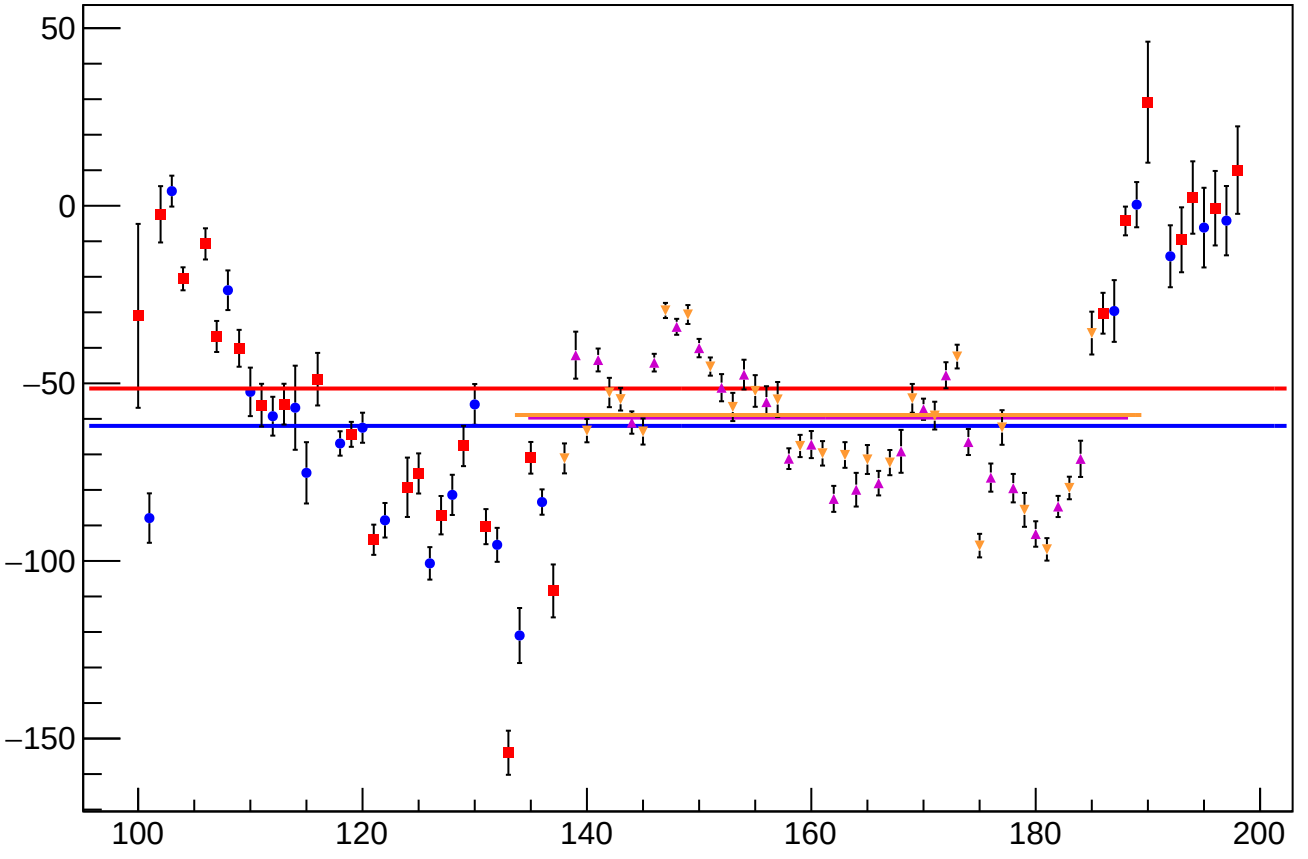
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -210.756+/-0.630 χ^2/NDF: 8024.8/45

All: -212.195+/-0.428 χ^2/NDF: 20407.3/94

- sign -213.430+/-0.584 χ^2/NDF: 12372.9/48

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -61.975+/-1.211 χ^2/NDF: 755.1/20

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -51.453+/-1.088 χ^2/NDF: 1109.4/25

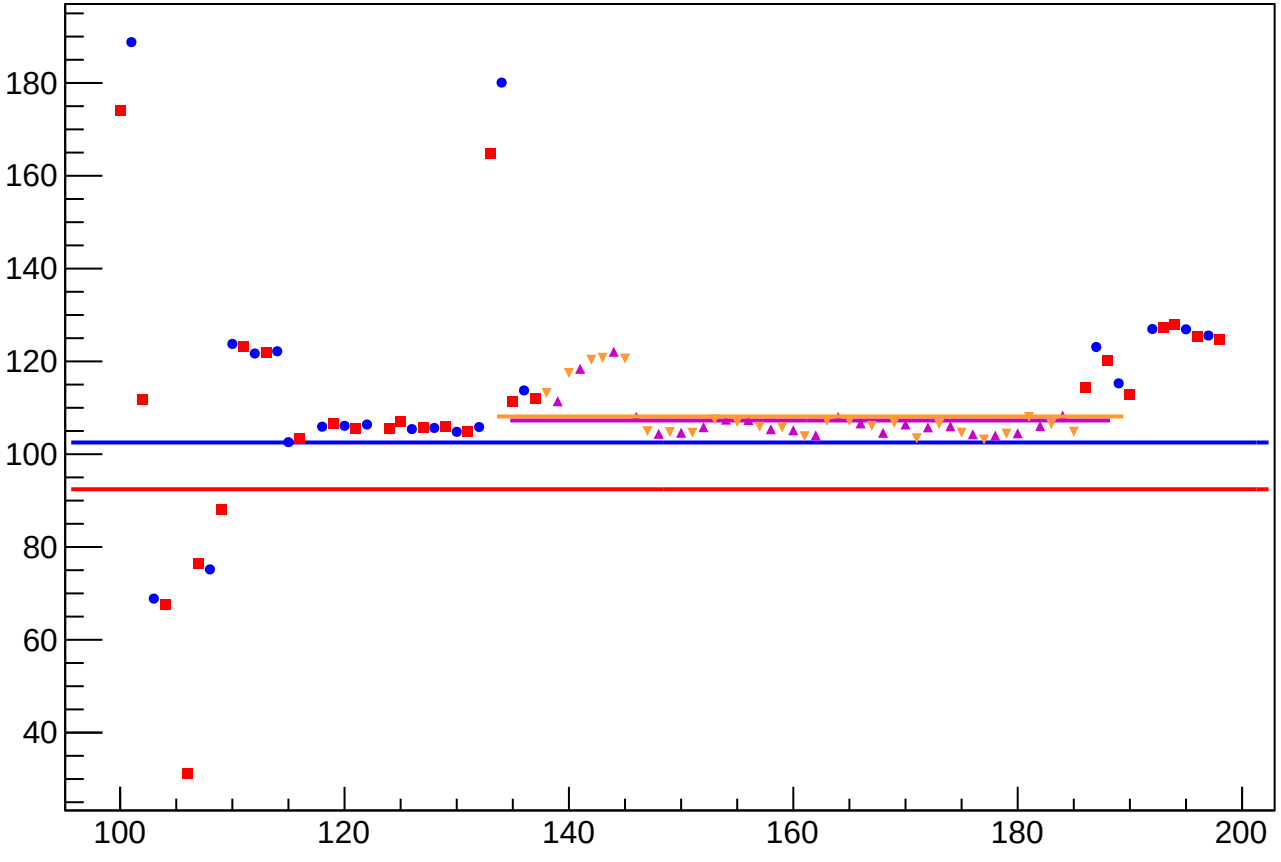
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -59.669+/-0.603 χ^2/NDF: 1542.4/45

All: -58.403+/-0.425 χ^2/NDF: 3297.1/94

- sign -57.152+/-0.599 χ^2/NDF: 1745.9/48

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 102.527+/-0.060 χ^2/NDF: 253380.1/20

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 92.442+/-0.054 χ^2/NDF: 353546.3/25

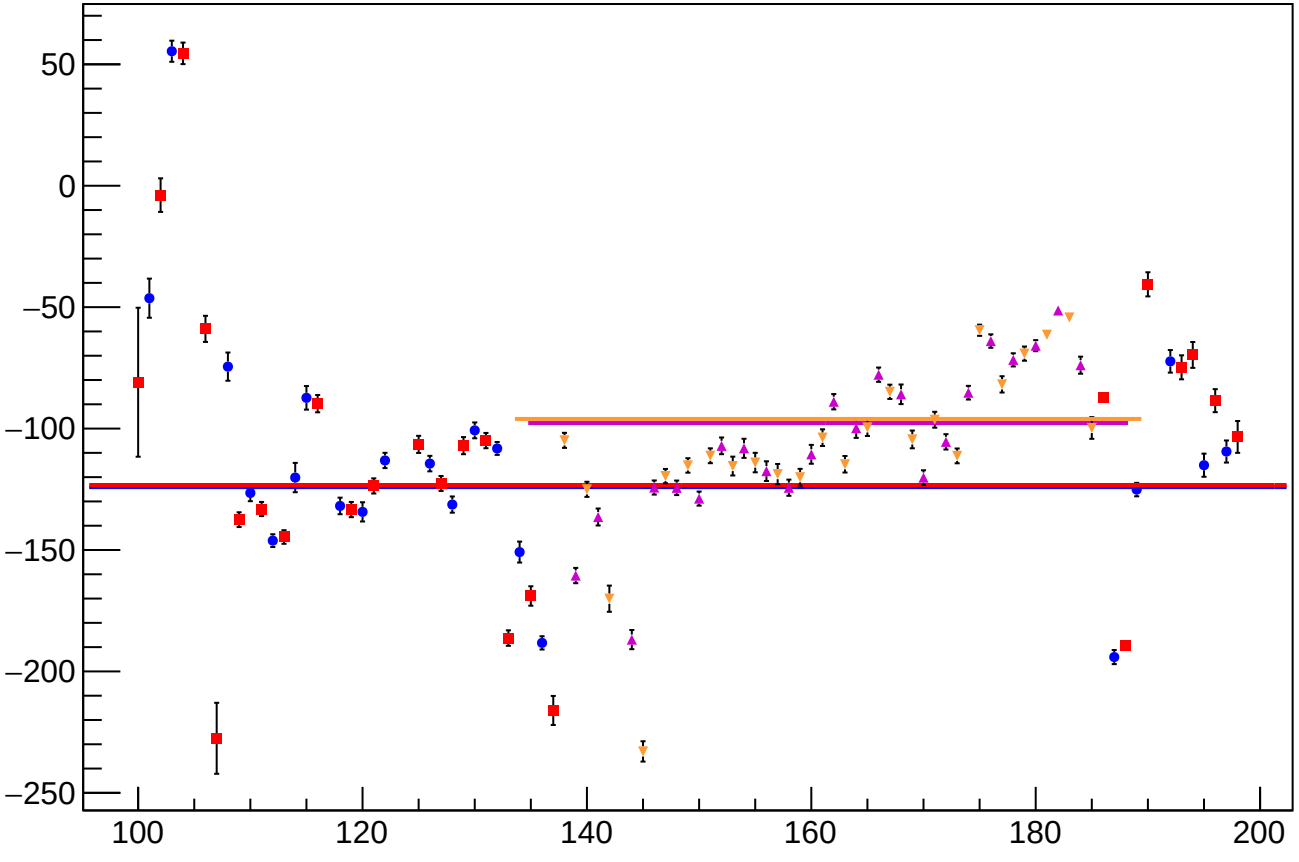
Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 106.878+/-0.029 χ^2/NDF: 286501.1/45

All: 105.039+/-0.020 χ^2/NDF: 720020.8/94

- sign 103.268+/-0.028 χ^2/NDF: 425396.9/48

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -124.106+/-0.779 χ^2/NDF: 3431.7/20

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -123.230+/-0.669 χ^2/NDF: 5786.0/24

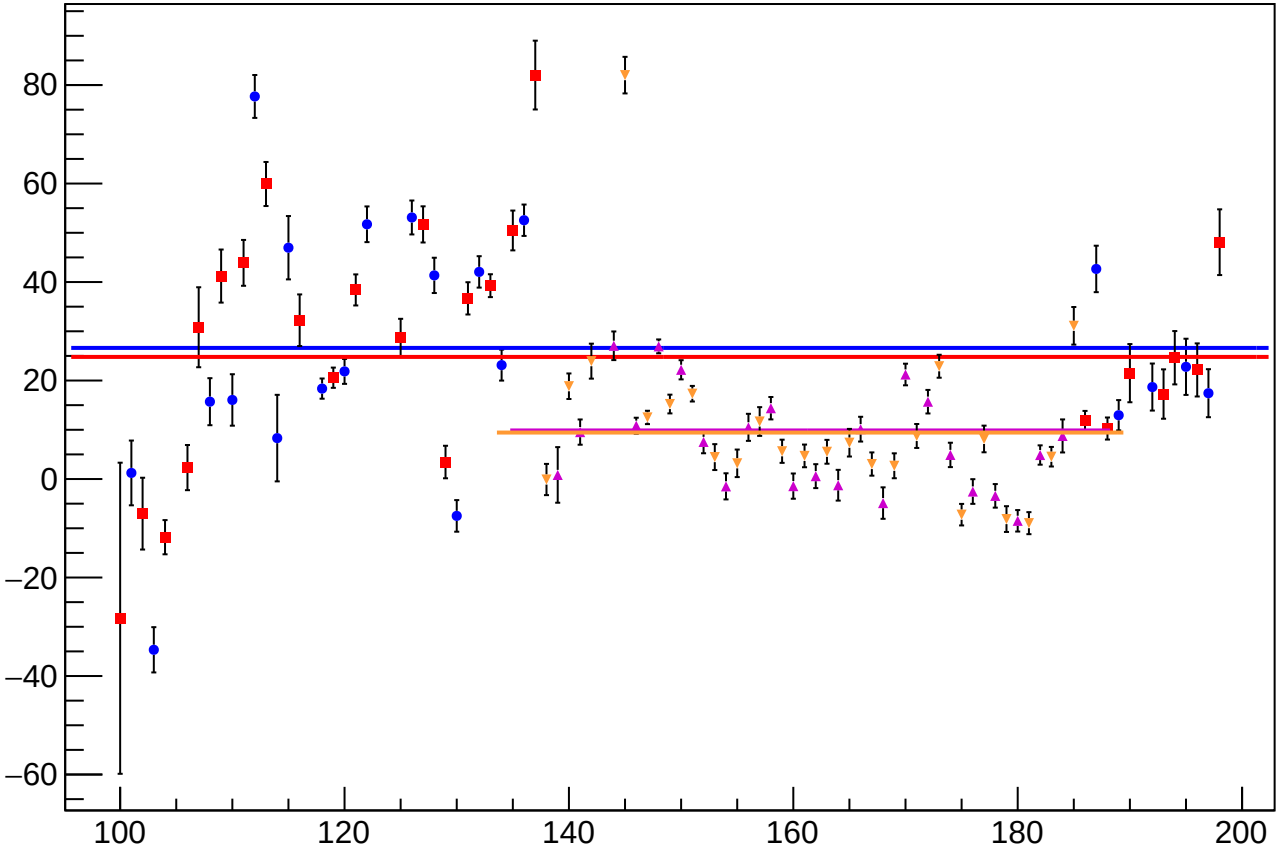
Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -107.235+/-0.492 χ^2/NDF: 6983.5/44

All: -108.638+/-0.337 χ^2/NDF: 16186.7/92

- sign -109.874+/-0.462 χ^2/NDF: 9187.9/47

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 26.626+/-0.807 χ^2/NDF: 739.7/20

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

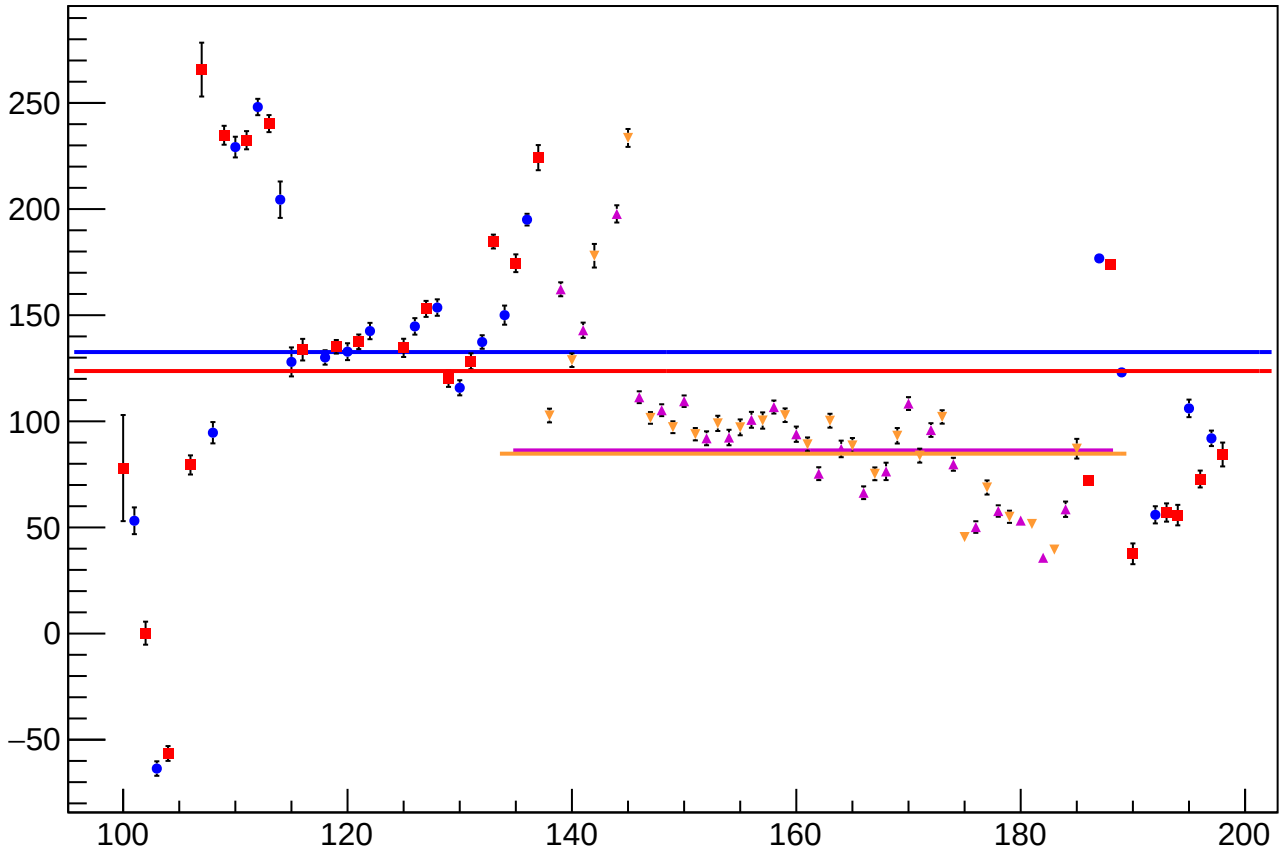
Right Out: 24.797+/-0.732 χ^2/NDF: 624.0/24

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

\+ sign 13.901+/-0.411 χ^2/NDF: 1811.8/44

All: 14.172+/-0.289 χ^2/NDF: 3210.4/92

\- sign 14.436+/-0.405 χ^2/NDF: 1397.8/47



Right In: 132.637+/-0.802 χ^2/NDF: 6359.4/20

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

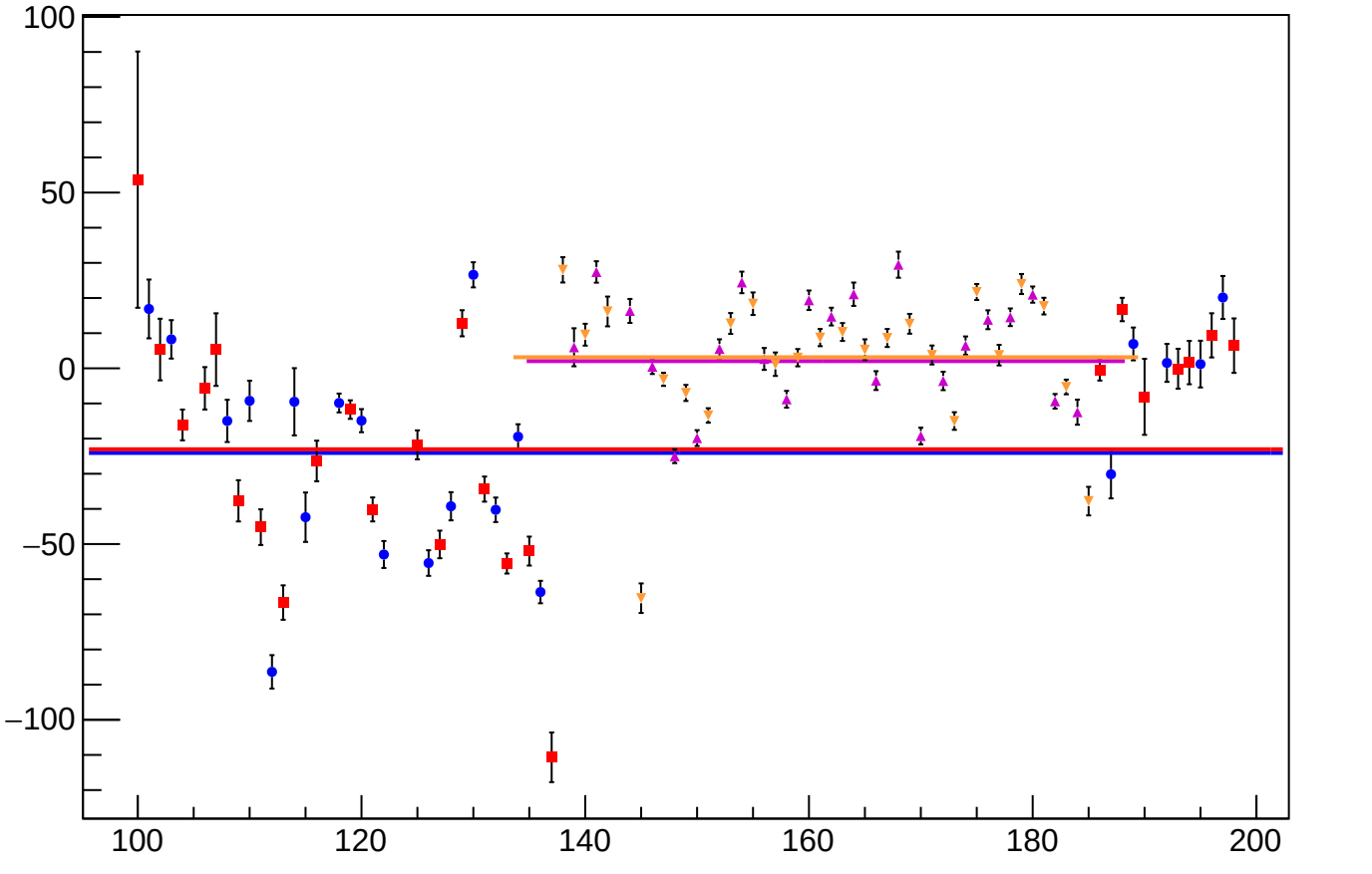
Right Out: 123.690+/-0.646 χ^2/NDF: 10332.4/24

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 102.997+/-0.495 χ^2/NDF: 11675.9/44

All: 103.853+/-0.334 χ^2/NDF: 26877.3/92

\- sign 104.566+/-0.452 χ^2/NDF: 15195.9/47



Right In: -24.073+/-0.950 χ^2/NDF: 941.4/20

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

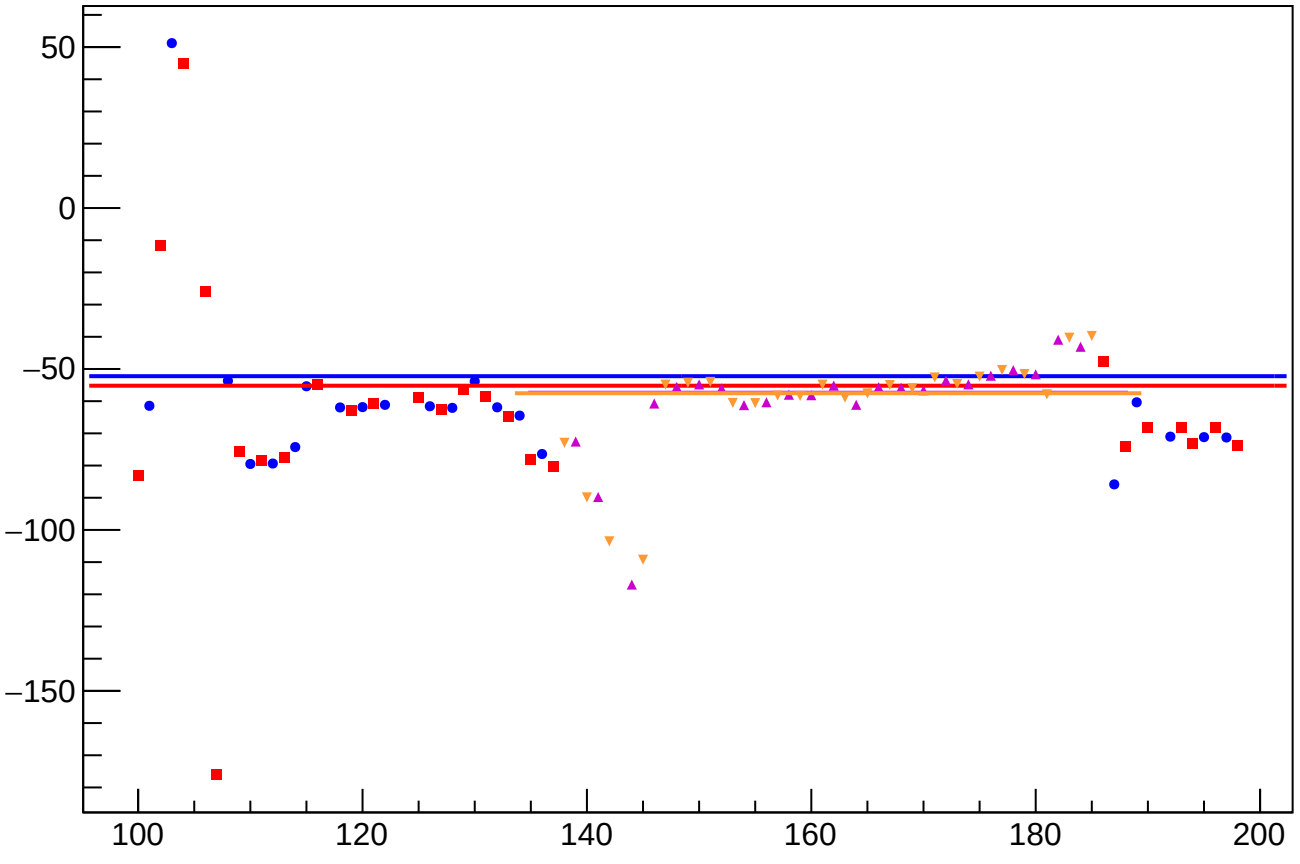
Right Out: -23.037+/-0.892 χ^2/NDF: 940.4/24

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.565+/-0.472 χ^2/NDF: 2373.8/44

All: -4.229+/-0.333 χ^2/NDF: 4741.7/92

\- sign -4.883+/-0.469 χ^2/NDF: 2364.0/47



Right In: -52.235+/-0.051 χ^2/NDF: 627736.9/20

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -55.196+/-0.048 χ^2/NDF: 556111.7/24

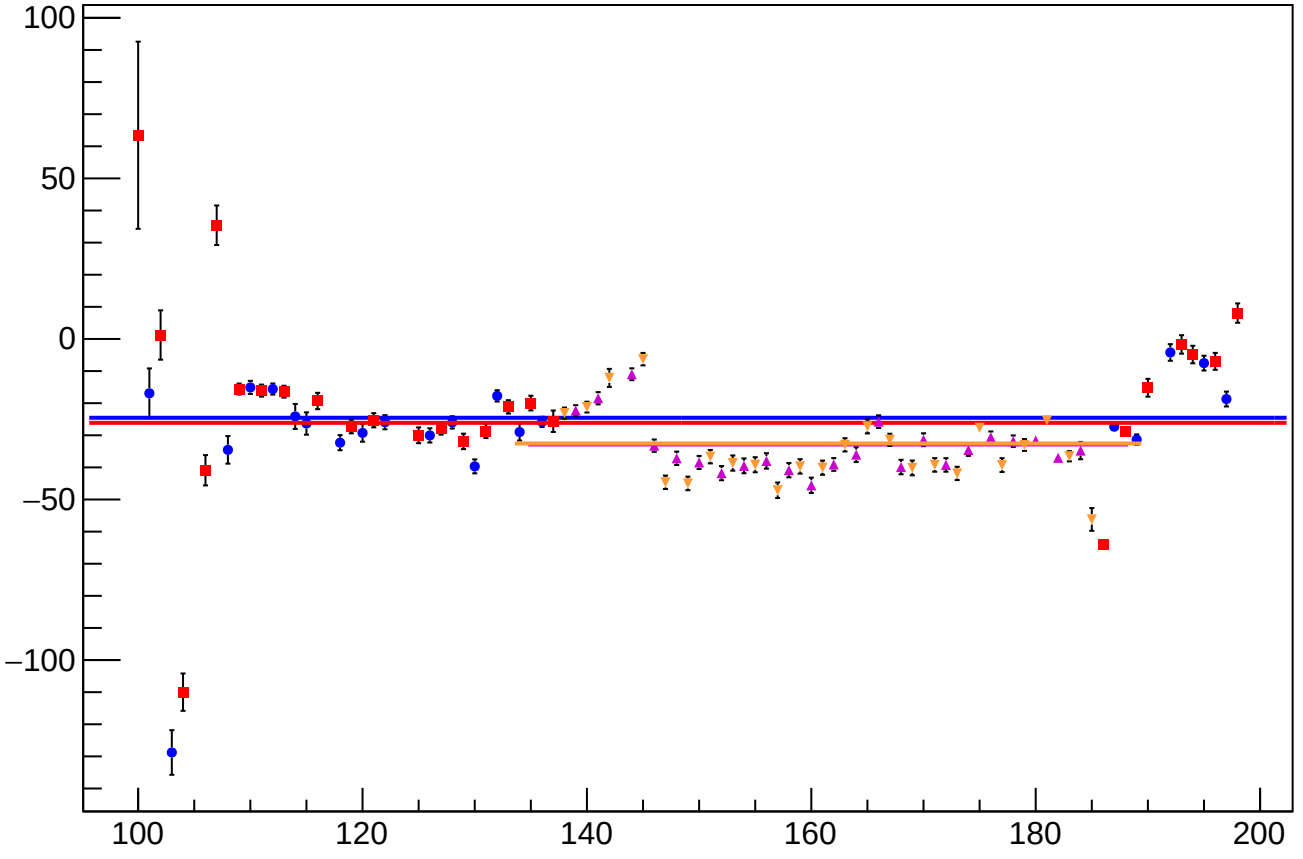
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -56.510+/-0.022 χ^2/NDF: 903592.1/44

All: -56.718+/-0.016 χ^2/NDF: 1688631.9/92

- sign -56.922+/-0.022 χ^2/NDF: 784866.7/47

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -24.544+/-0.484 χ^2/NDF: 510.8/20

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

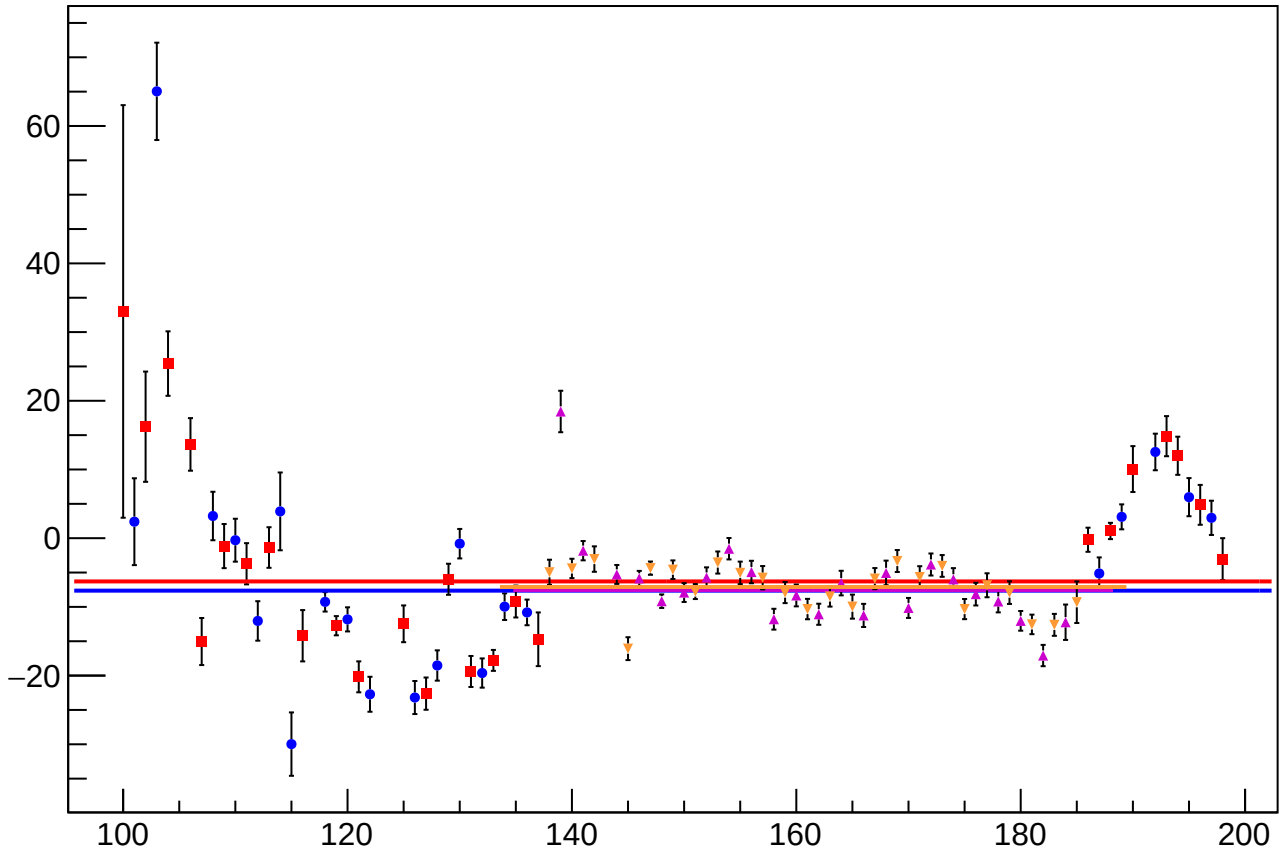
Right Out: -26.120+/-0.427 χ^2/NDF: 1517.7/24

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

\+ sign -29.241+/-0.311 χ^2/NDF: 1274.6/44

All: -29.440+/-0.215 χ^2/NDF: 3295.7/92

\- sign -29.620+/-0.296 χ^2/NDF: 2020.4/47



Right In: -7.636+/-0.520 χ^2/NDF: 443.0/20

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

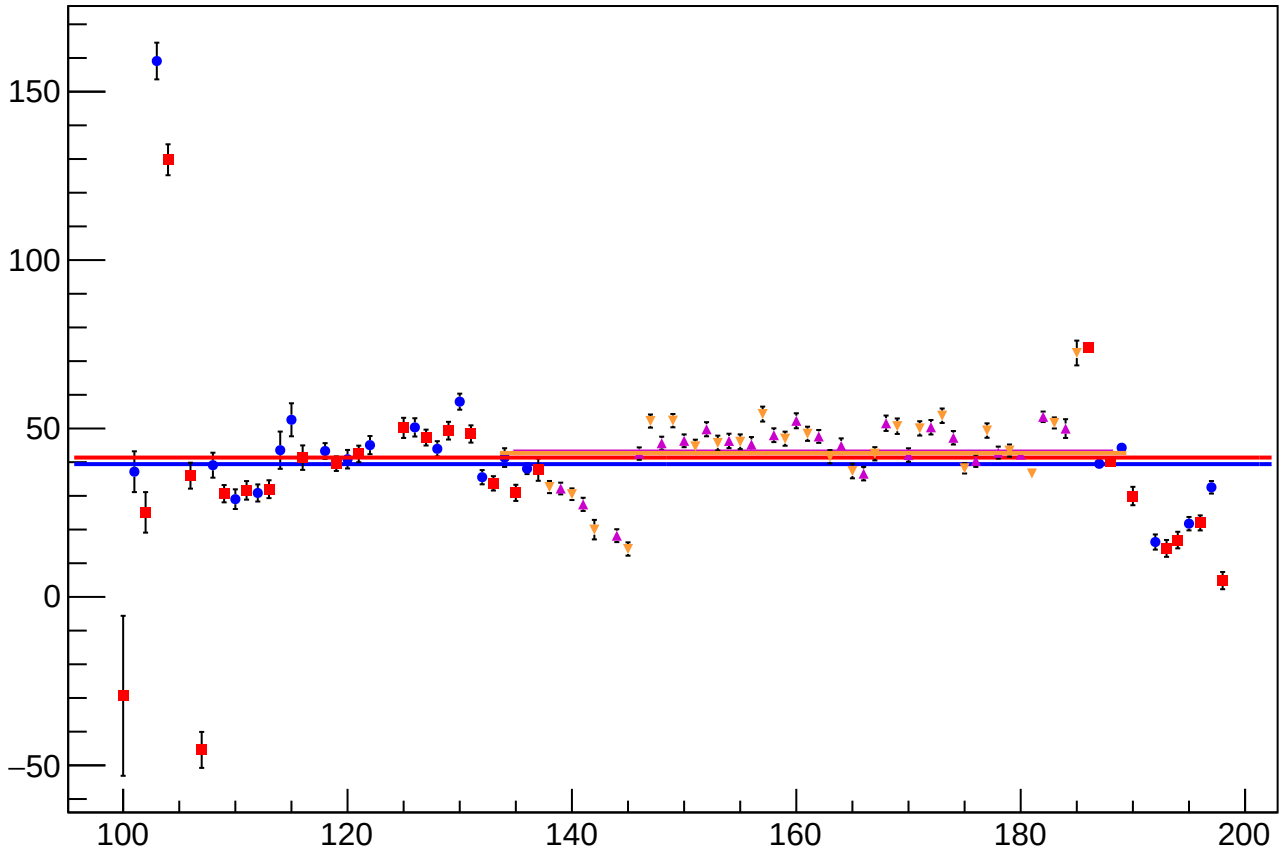
Right Out: -6.293+/-0.481 χ^2/NDF: 495.6/24

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.247+/-0.266 χ^2/NDF: 553.2/44

All: -7.209+/-0.187 χ^2/NDF: 1253.3/92

- sign -7.171+/-0.264 χ^2/NDF: 700.0/47



Right In: 39.423+/-0.489 χ^2/NDF: 818.2/20

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

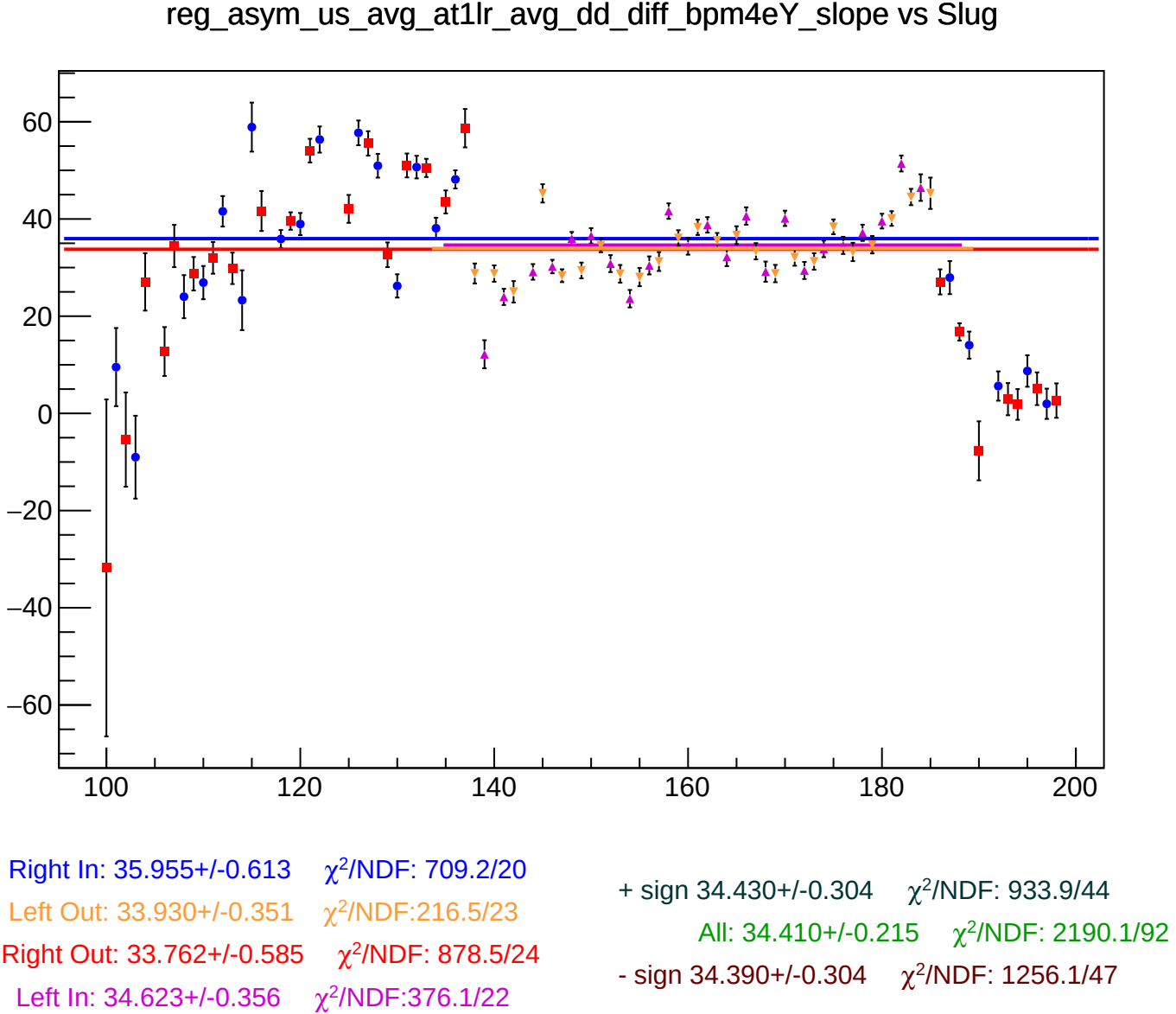
Right Out: 41.374+/-0.412 χ^2/NDF: 2115.5/24

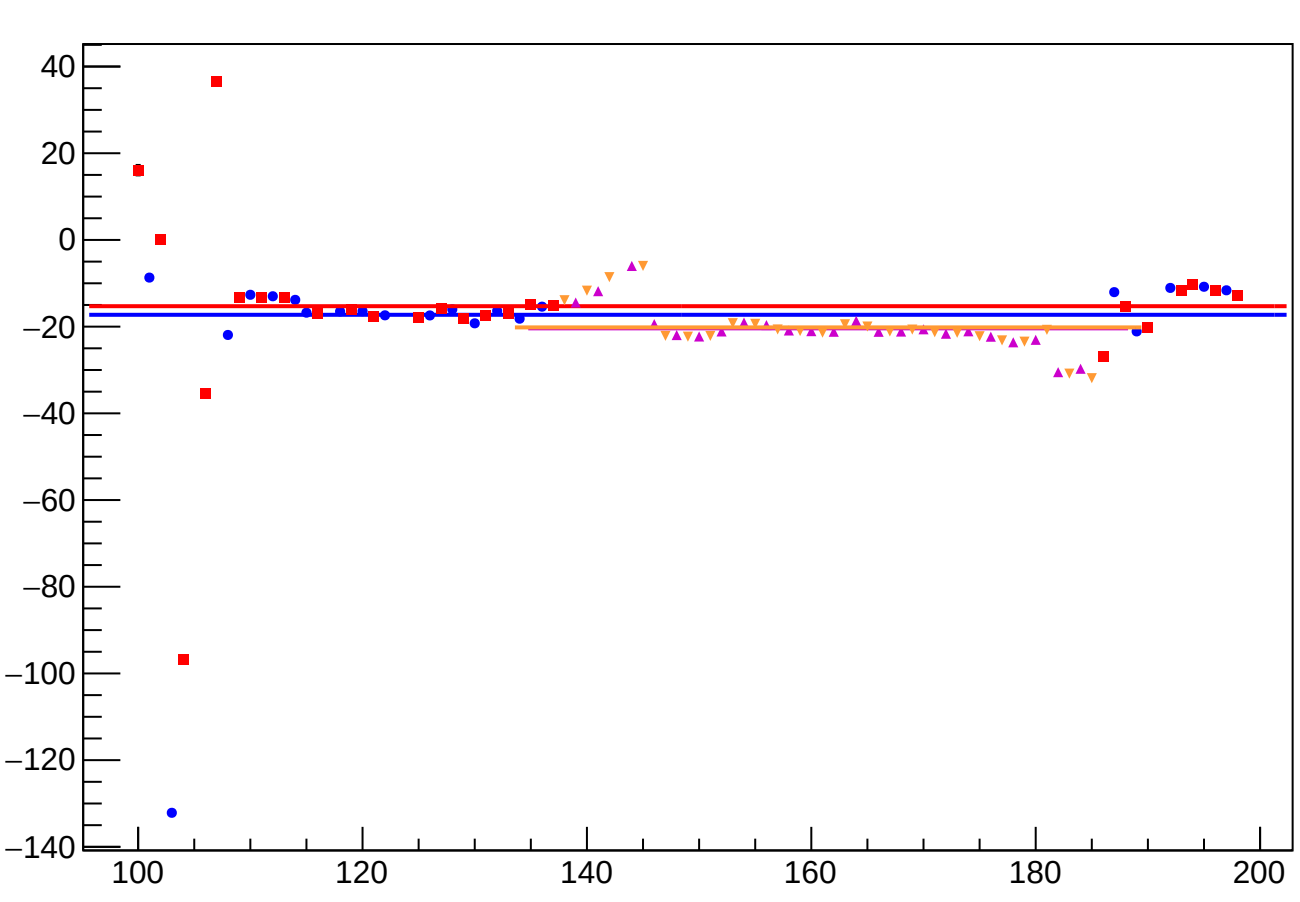
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 41.400+/-0.311 χ^2/NDF: 1477.2/44

All: 41.873+/-0.212 χ^2/NDF: 4019.6/92

- sign 42.282+/-0.290 χ^2/NDF: 2538.1/47


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 35.955+/-0.613 χ²/NDF: 709.2/20
Left Out: 33.930+/-0.351 χ²/NDF:216.5/23
Right Out: 33.762+/-0.585 χ²/NDF: 878.5/24
Left In: 34.623+/-0.356 χ²/NDF:376.1/22
+ sign 34.430+/-0.304 χ²/NDF: 933.9/44
All: 34.410+/-0.215 χ²/NDF: 2190.1/92
- sign 34.390+/-0.304 χ²/NDF: 1256.1/47



Right In: -17.269+/-0.032 χ^2/NDF: 264234.3/20

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.282+/-0.031 χ^2/NDF: 217140.3/24

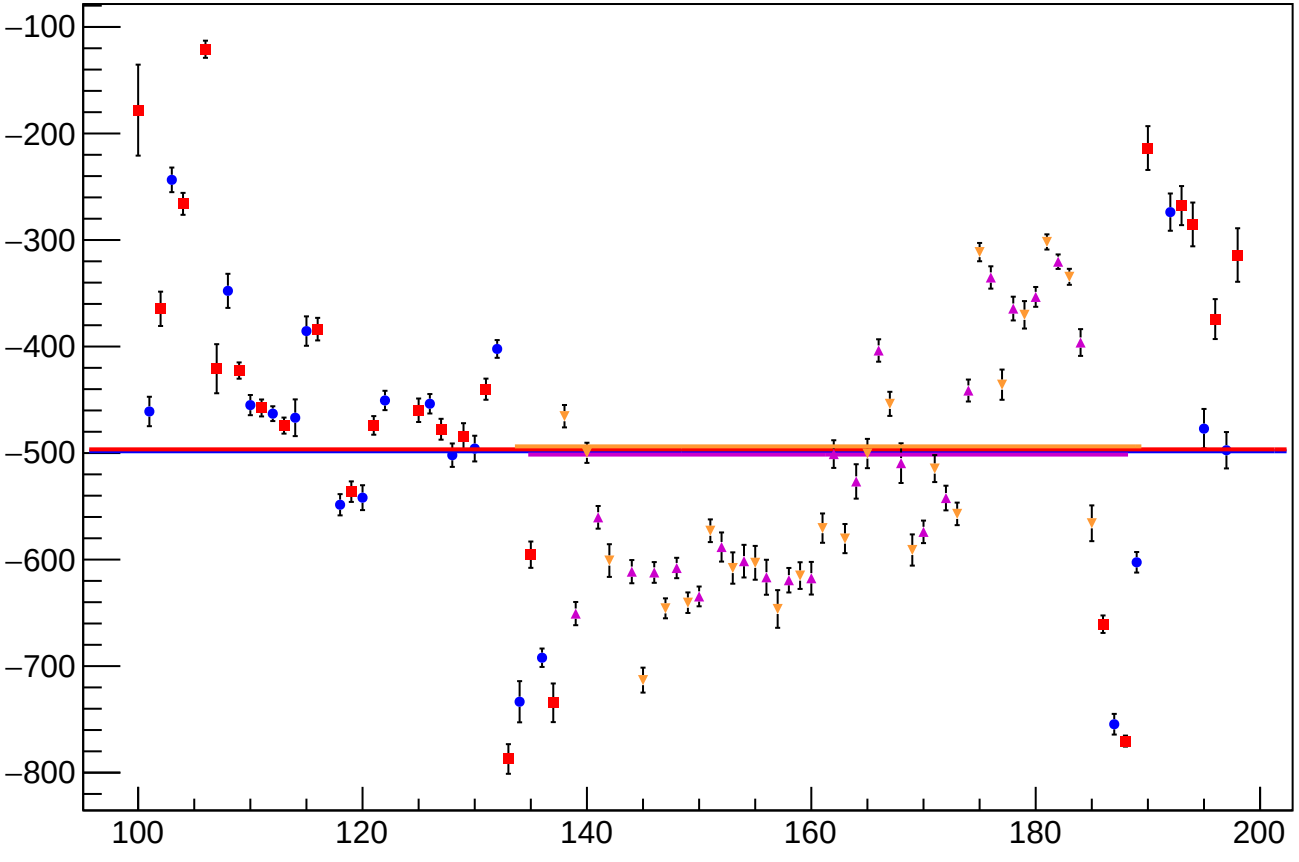
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

\+ sign -19.615+/-0.014 χ^2/NDF: 370705.9/44

All: -19.465+/-0.010 χ^2/NDF: 691350.6/92

\- sign -19.318+/-0.014 χ^2/NDF: 320423.3/47

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -498.323+/-2.389 χ^2/NDF: 2554.1/20

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

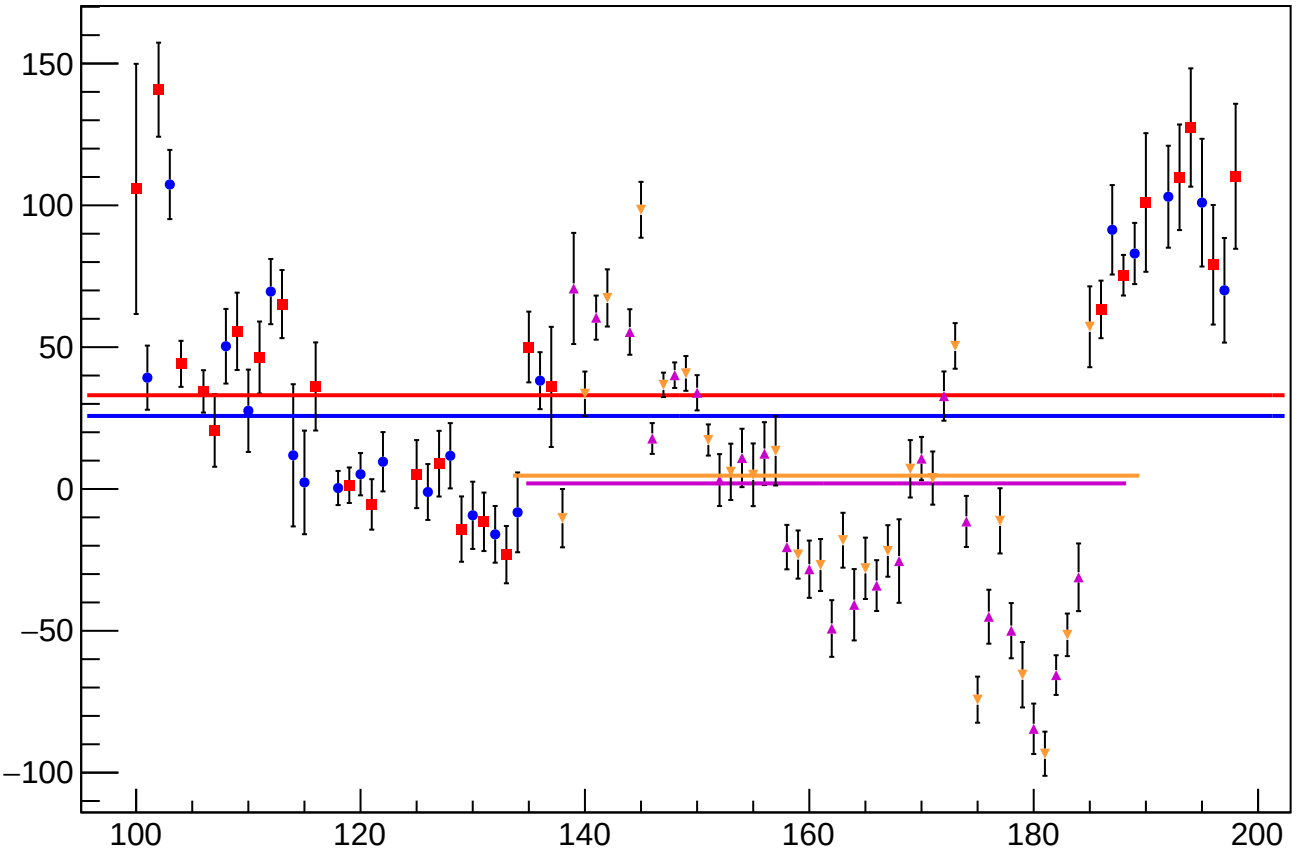
Right Out: -496.511+/-2.089 χ^2/NDF: 7555.9/24

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -495.930+/-1.655 χ^2/NDF: 5706.0/44

All: -497.421+/-1.131 χ^2/NDF: 15955.2/92

- sign -498.725+/-1.548 χ^2/NDF: 10247.7/47



Right In: 25.751+/-2.480 χ^2/NDF: 217.3/20

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 33.048+/-2.271 χ^2/NDF: 284.2/24

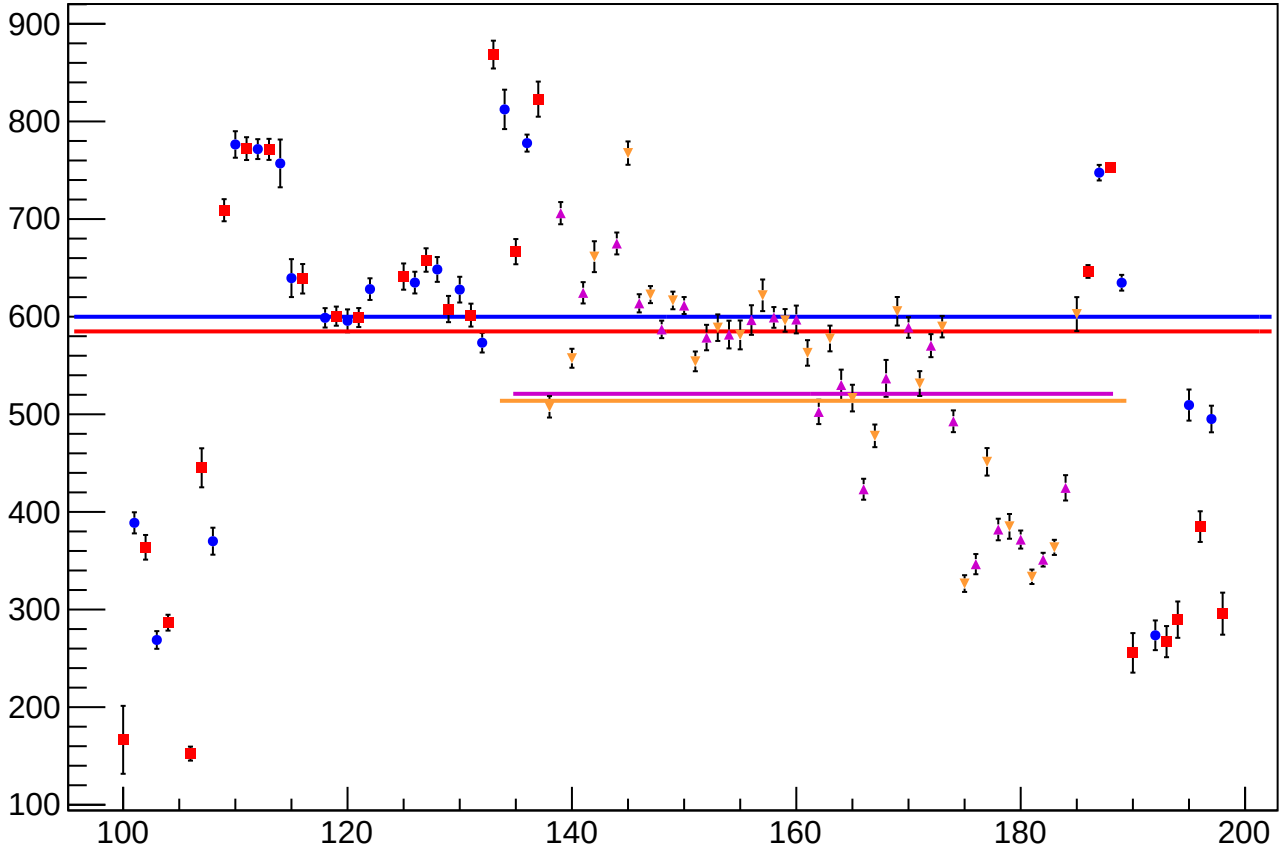
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 11.411+/-1.400 χ^2/NDF: 946.6/44

All: 12.381+/-0.980 χ^2/NDF: 1911.5/92

- sign 13.314+/-1.372 χ^2/NDF: 963.9/47

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 599.918+/-2.490 χ^2/NDF: 3974.7/20

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

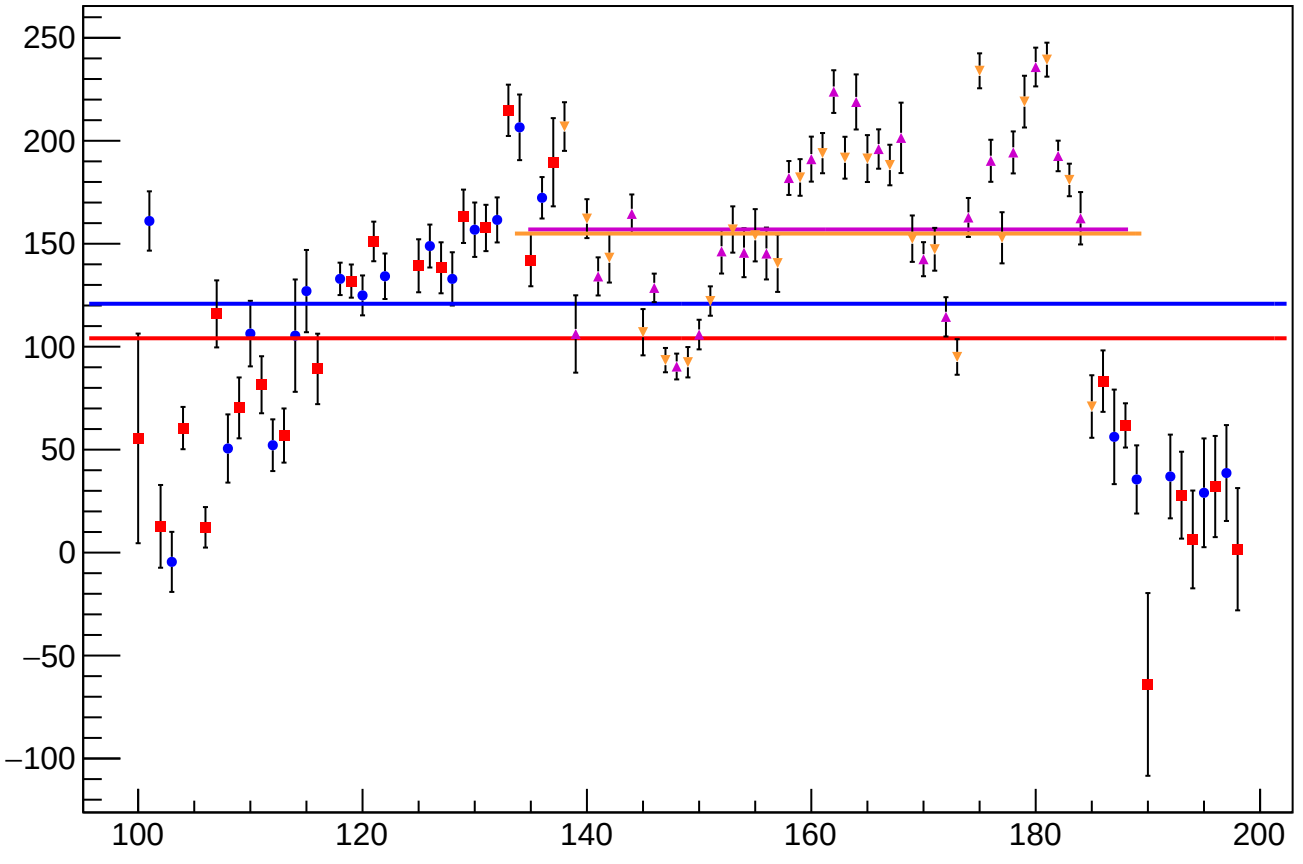
Right Out: 584.905+/-2.087 χ^2/NDF: 9834.5/24

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 553.029+/-1.680 χ^2/NDF: 7361.1/44

All: 554.540+/-1.136 χ^2/NDF: 20066.8/92

- sign 555.811+/-1.540 χ^2/NDF: 12704.2/47



Right In: 120.854+/-2.928 χ^2/NDF: 295.3/20

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

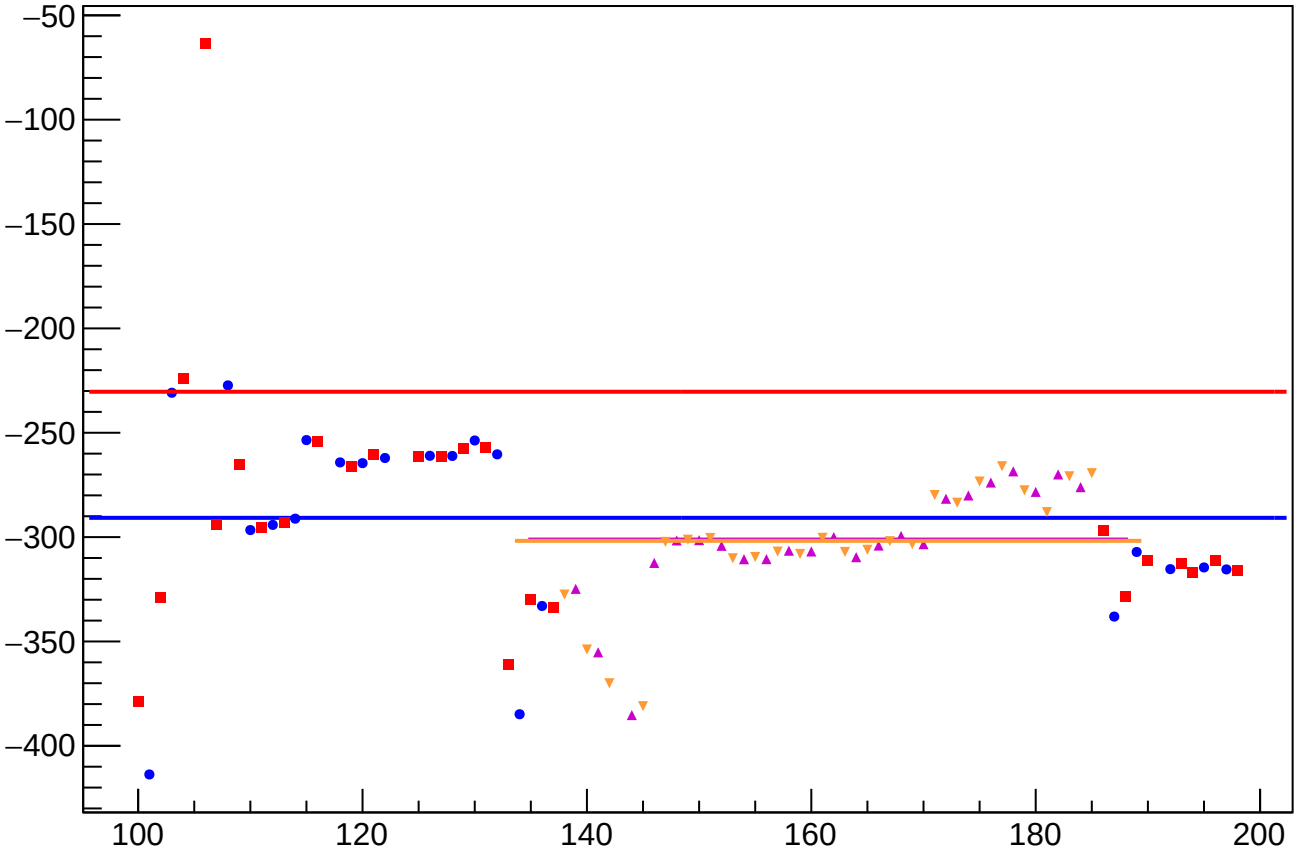
Right Out: 104.083+/-2.738 χ^2/NDF: 429.4/24

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 144.449+/-1.625 χ^2/NDF: 998.1/44

All: 141.628+/-1.140 χ^2/NDF: 2122.0/92

- sign 138.894+/-1.600 χ^2/NDF: 1118.0/47



Right In: -290.761+/-0.159 χ^2/NDF: 110591.0/20

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -230.350+/-0.133 χ^2/NDF: 647582.3/24

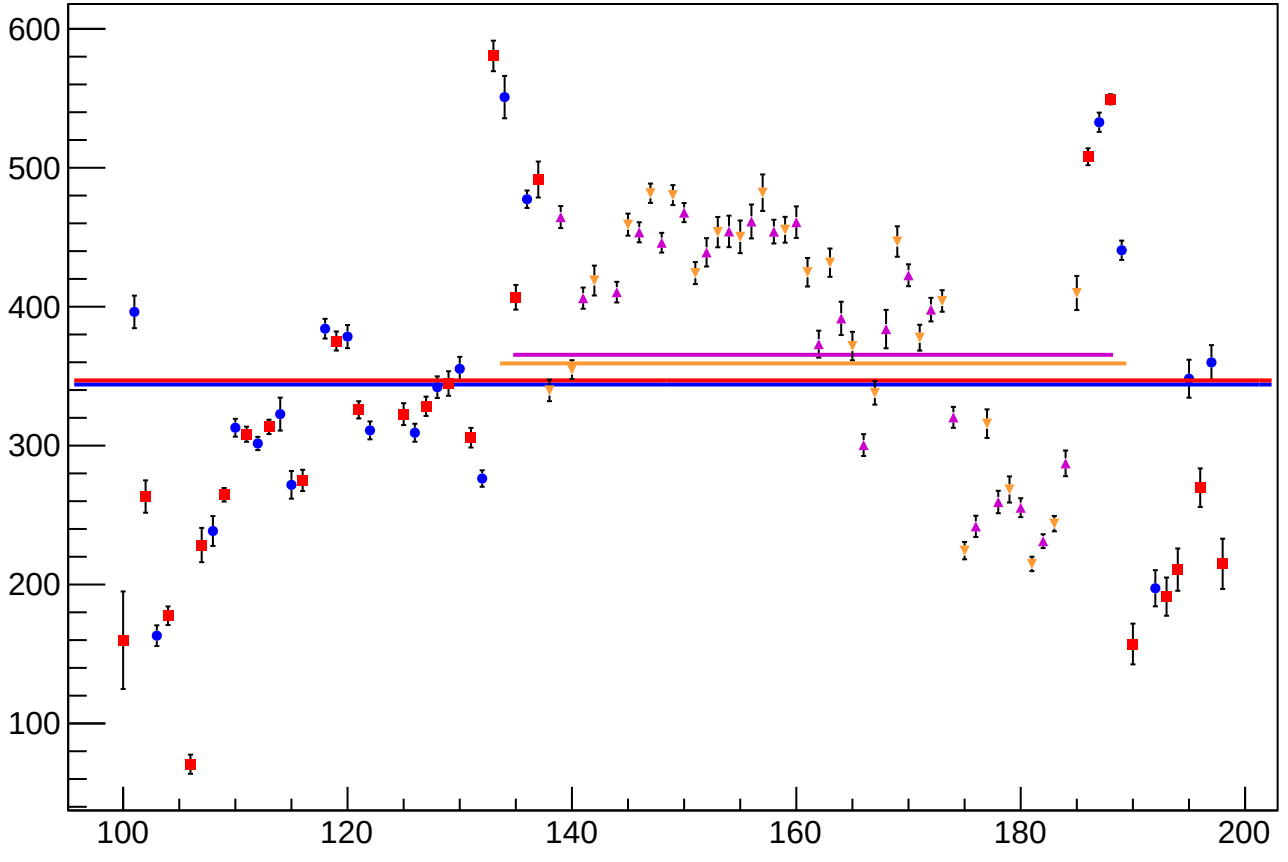
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.078+/-0.079 χ^2/NDF: 200931.9/44

All: -288.366+/-0.054 χ^2/NDF: 1154193.0/92

- sign -278.813+/-0.074 χ^2/NDF: 918352.9/47

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 344.001+/-1.692 χ^2/NDF: 2798.1/20

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

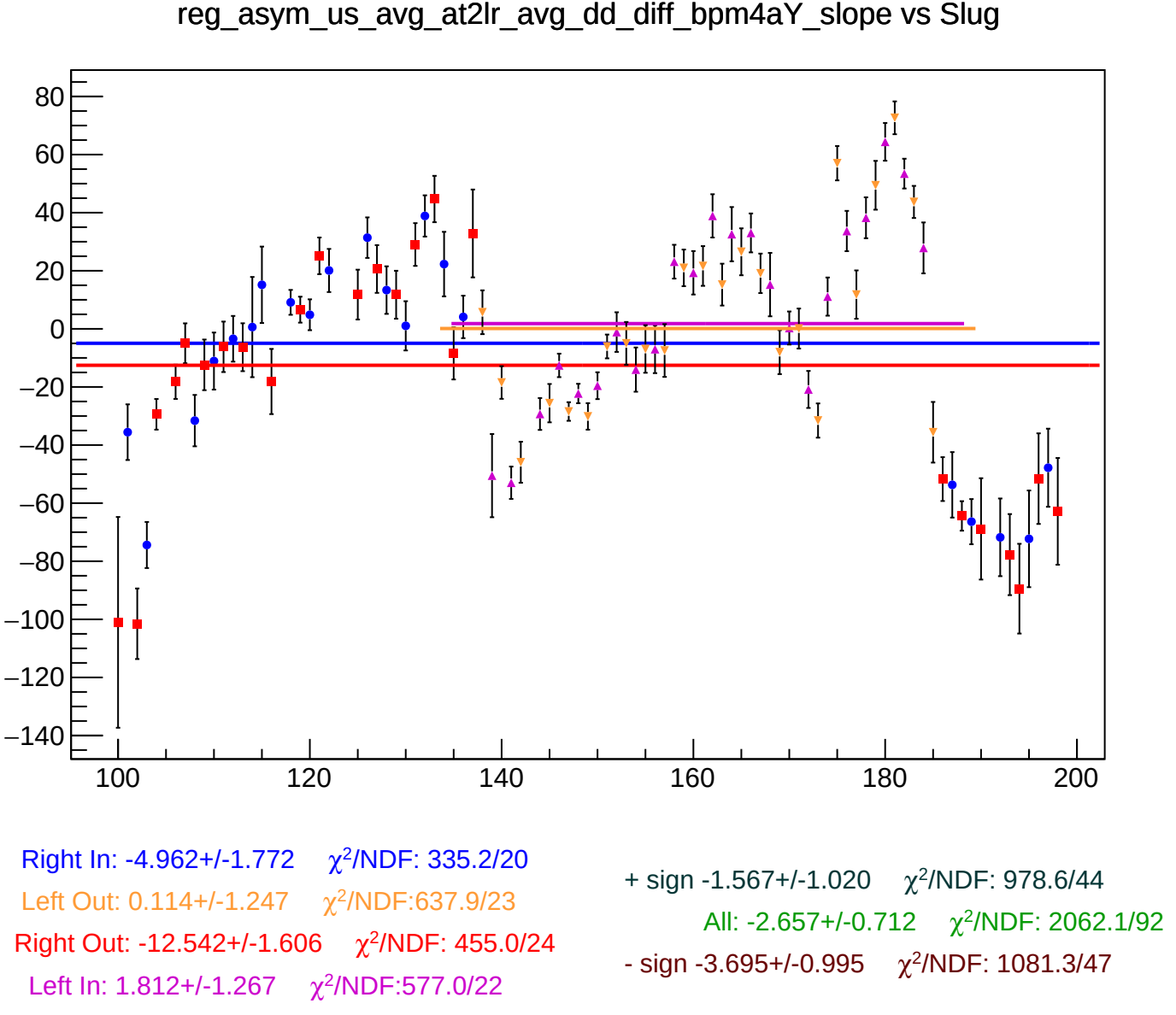
Right Out: 346.944+/-1.480 χ^2/NDF: 7817.5/24

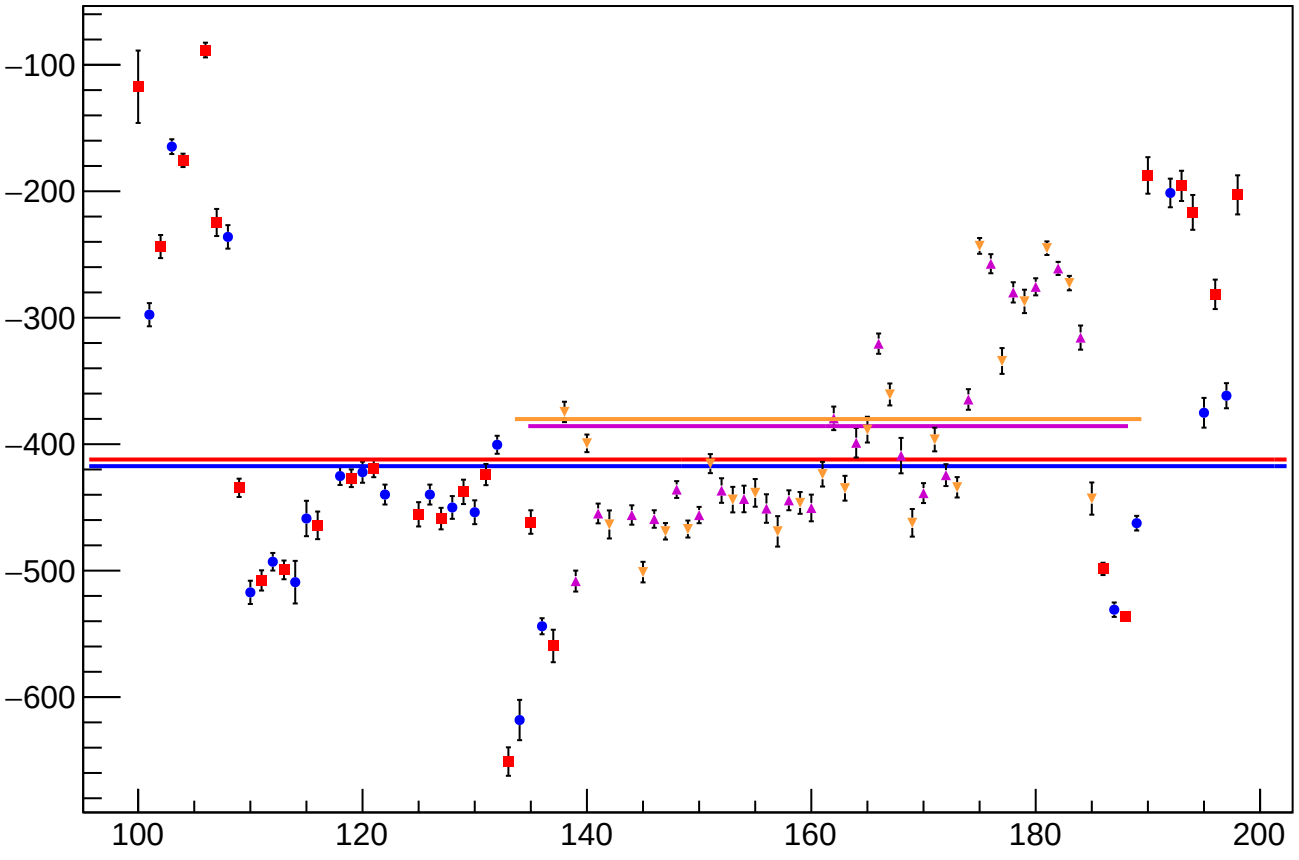
Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 351.644+/-1.193 χ^2/NDF: 6026.5/44

All: 353.395+/-0.814 χ^2/NDF: 16654.7/92

- sign 354.923+/-1.114 χ^2/NDF: 10624.1/47


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
200
Right In: -4.962+/-1.772 χ²/NDF: 335.2/20
Left Out: 0.114+/-1.247 χ²/NDF:637.9/23
Right Out: -12.542+/-1.606 χ²/NDF: 455.0/24
Left In: 1.812+/-1.267 χ²/NDF:577.0/22
+ sign -1.567+/-1.020 χ²/NDF: 978.6/44
All: -2.657+/-0.712 χ²/NDF: 2062.1/92
- sign -3.695+/-0.995 χ²/NDF: 1081.3/47



Right In: -417.384+/-1.773 χ^2/NDF: 4168.8/20

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

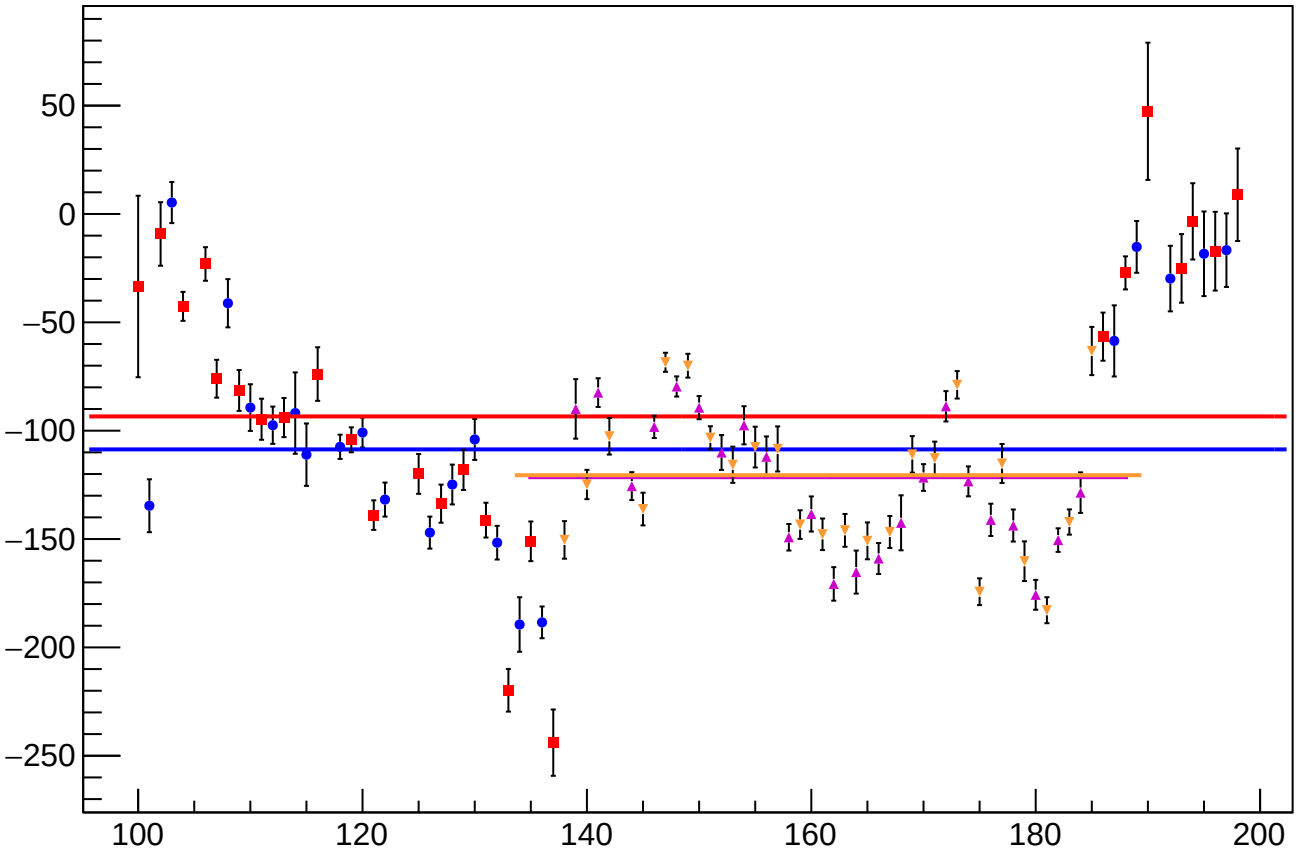
Right Out: -412.116+/-1.487 χ^2/NDF: 10020.8/24

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -397.651+/-1.215 χ^2/NDF: 7021.3/44

All: -399.201+/-0.821 χ^2/NDF: 19545.0/92

- sign -400.499+/-1.113 χ^2/NDF: 12520.8/47



Right In: -108.634+/-2.090 χ^2/NDF: 570.8/20

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

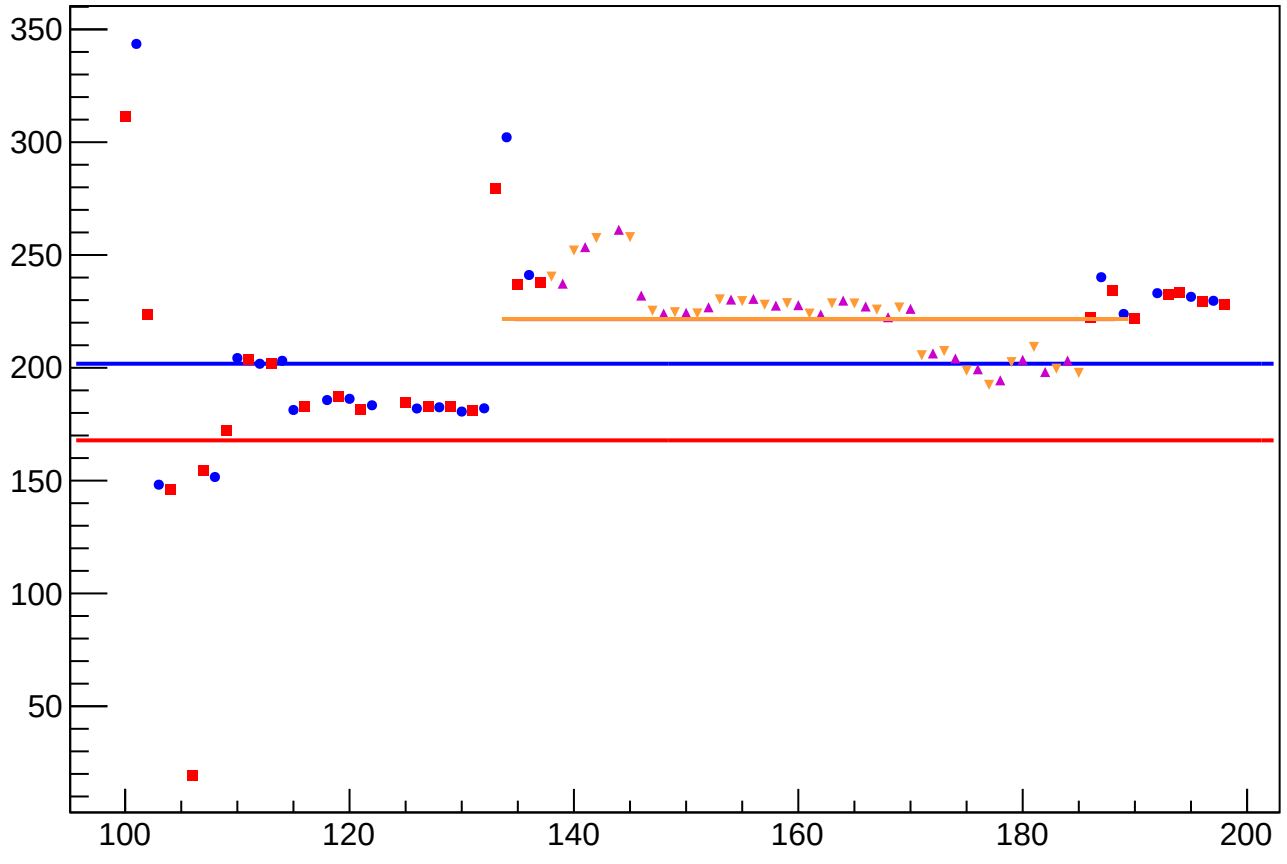
Right Out: -93.425+/-1.933 χ^2/NDF: 796.2/24

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -116.726+/-1.183 χ^2/NDF: 1204.4/44

All: -113.993+/-0.828 χ^2/NDF: 2578.2/92

- sign -111.366+/-1.160 χ^2/NDF: 1363.4/47



Right In: 201.813+/-0.113 χ^2/NDF: 191946.3/20

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 167.845+/-0.098 χ^2/NDF: 611263.9/24

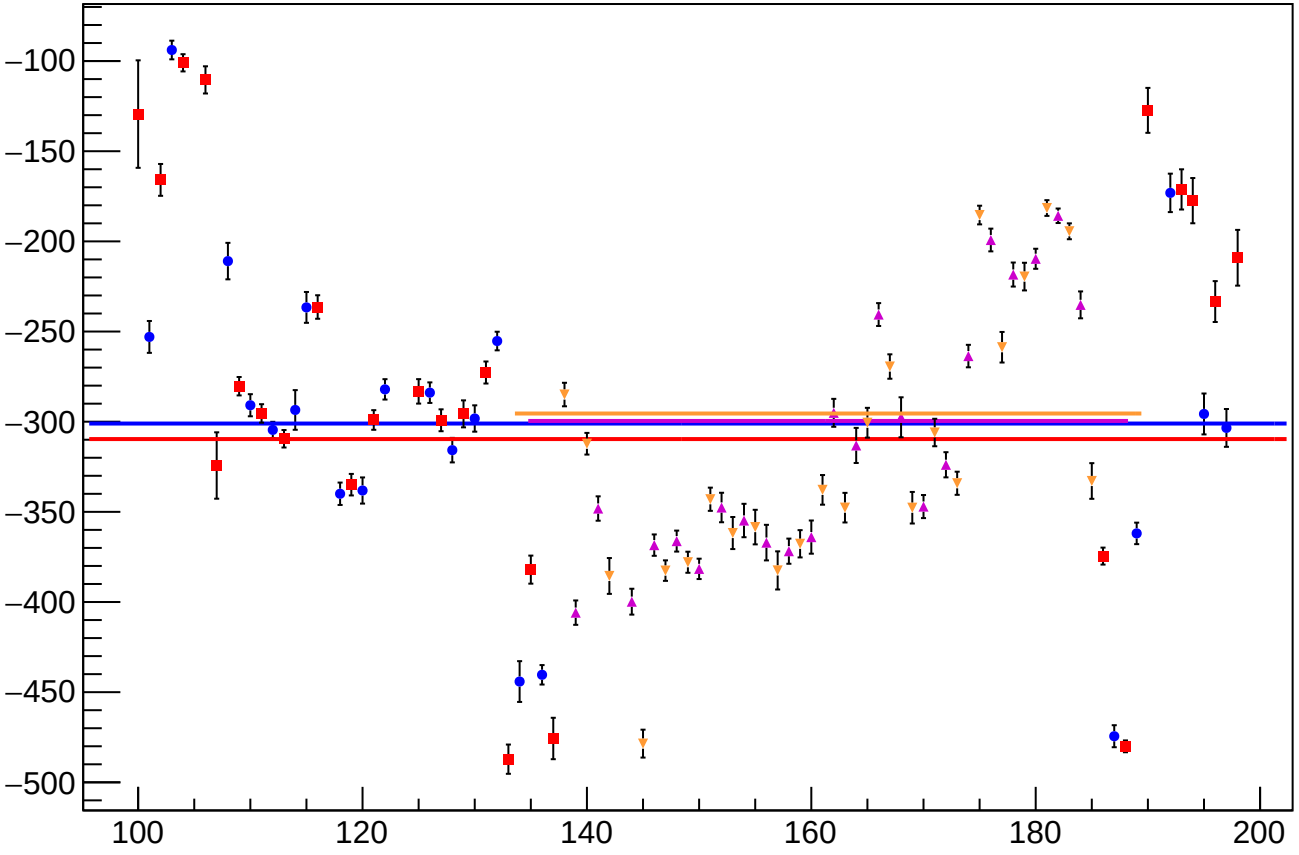
Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.504+/-0.057 χ^2/NDF: 282127.8/44

All: 210.336+/-0.040 χ^2/NDF: 1184412.8/92

- sign 204.701+/-0.055 χ^2/NDF: 880170.3/47

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -301.023+/-1.465 χ^2/NDF: 3822.2/20

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -309.635+/-1.306 χ^2/NDF: 7385.5/24

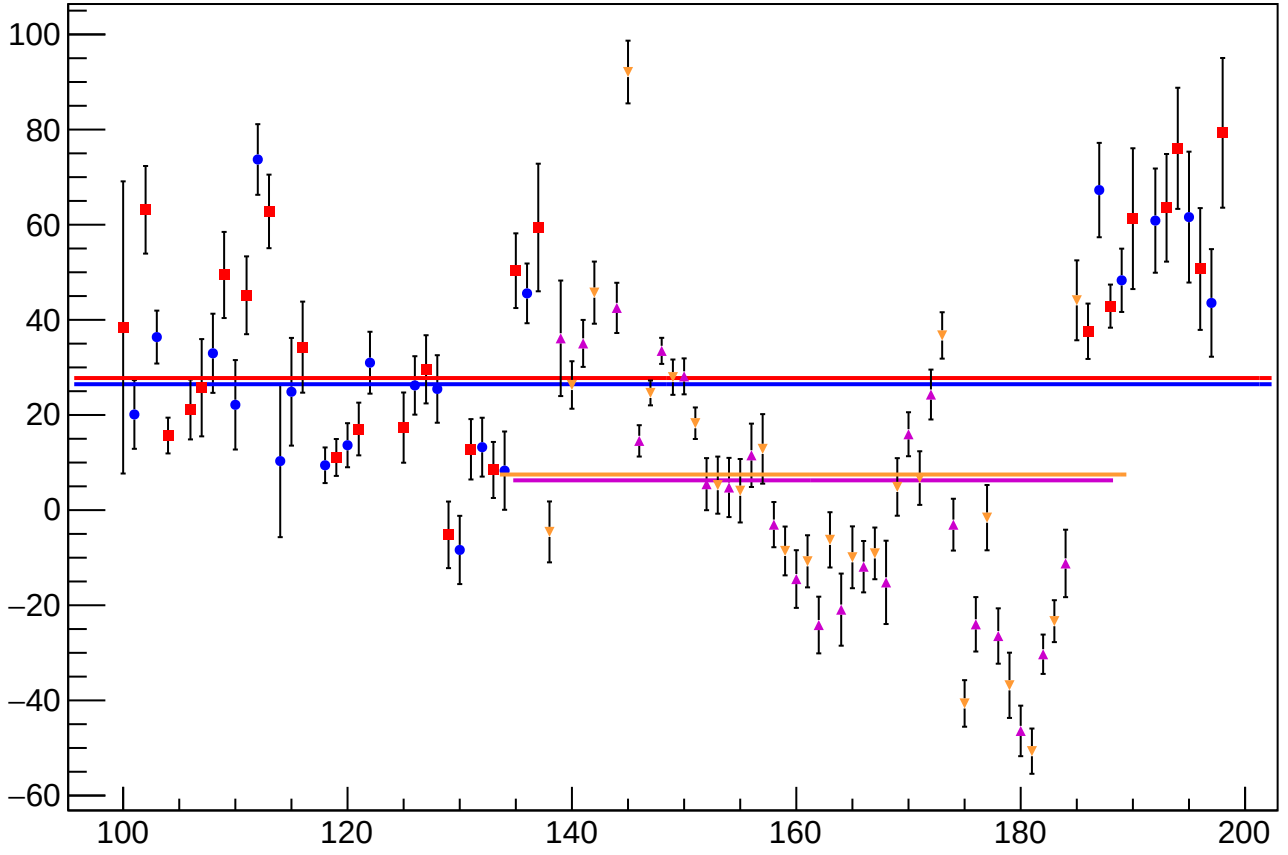
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -298.103+/-1.009 χ^2/NDF: 7176.1/44

All: -301.720+/-0.693 χ^2/NDF: 17585.2/92

- sign -304.949+/-0.954 χ^2/NDF: 10384.8/47

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 26.470+/-1.516 χ^2/NDF: 163.8/20

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

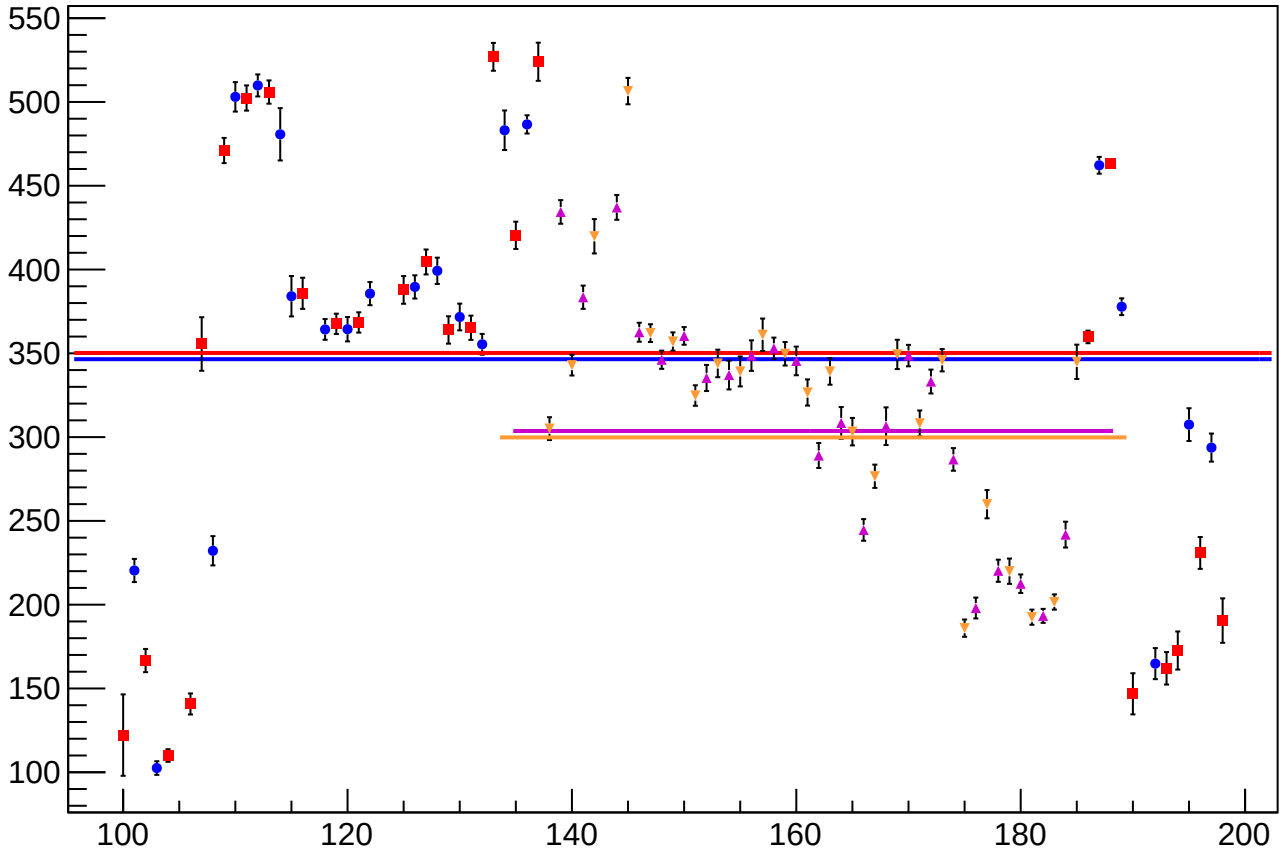
Right Out: 27.767+/-1.397 χ^2/NDF: 191.7/24

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 13.475+/-0.852 χ^2/NDF: 1009.6/44

All: 13.731+/-0.597 χ^2/NDF: 1912.9/92

- sign 13.979+/-0.837 χ^2/NDF: 903.2/47



Right In: 346.498+/-1.502 χ^2/NDF: 7073.9/20

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

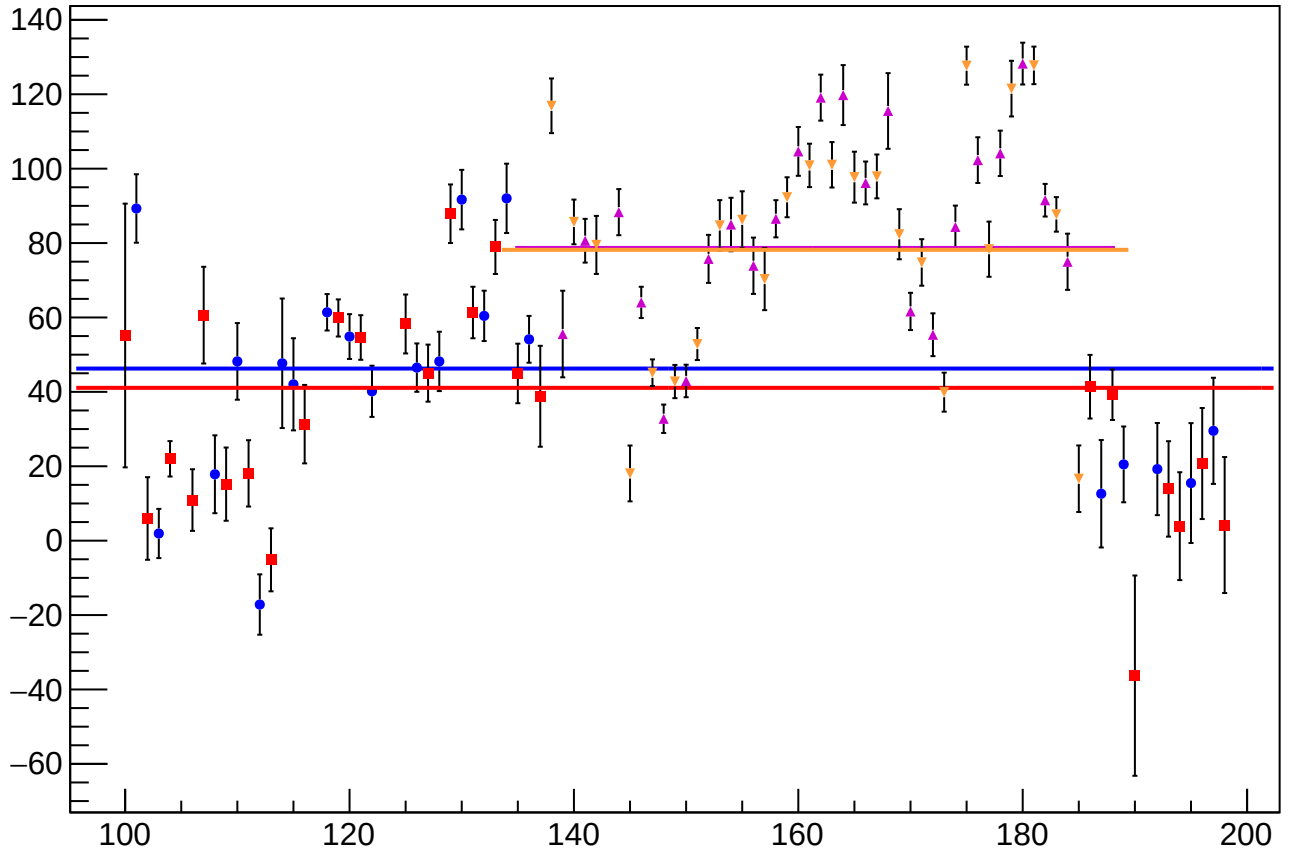
Right Out: 350.209+/-1.285 χ^2/NDF: 11054.5/24

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

\+ sign 321.204+/-1.017 χ^2/NDF: 10673.2/44

All: 325.198+/-0.691 χ^2/NDF: 25237.1/92

\- sign 328.623+/-0.941 χ^2/NDF: 14535.3/47



Right In: 46.267+/-1.790 χ^2/NDF: 231.7/20

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

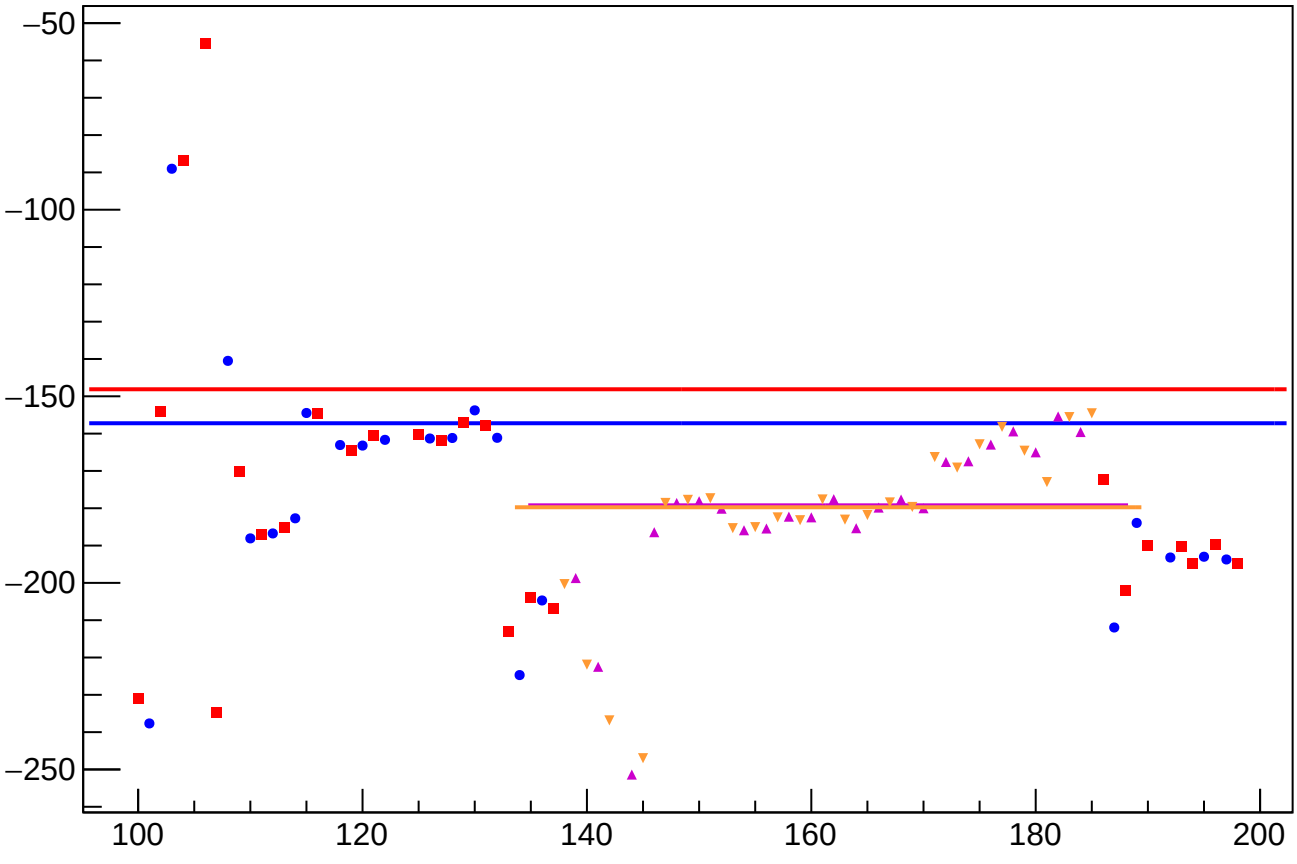
Right Out: 41.083+/-1.684 χ^2/NDF: 206.9/24

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 68.465+/-0.988 χ^2/NDF: 1116.1/44

All: 67.267+/-0.694 χ^2/NDF: 2146.1/92

- sign 66.101+/-0.975 χ^2/NDF: 1027.1/47



Right In: -157.221+/-0.092 χ^2/NDF: 289144.7/20

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

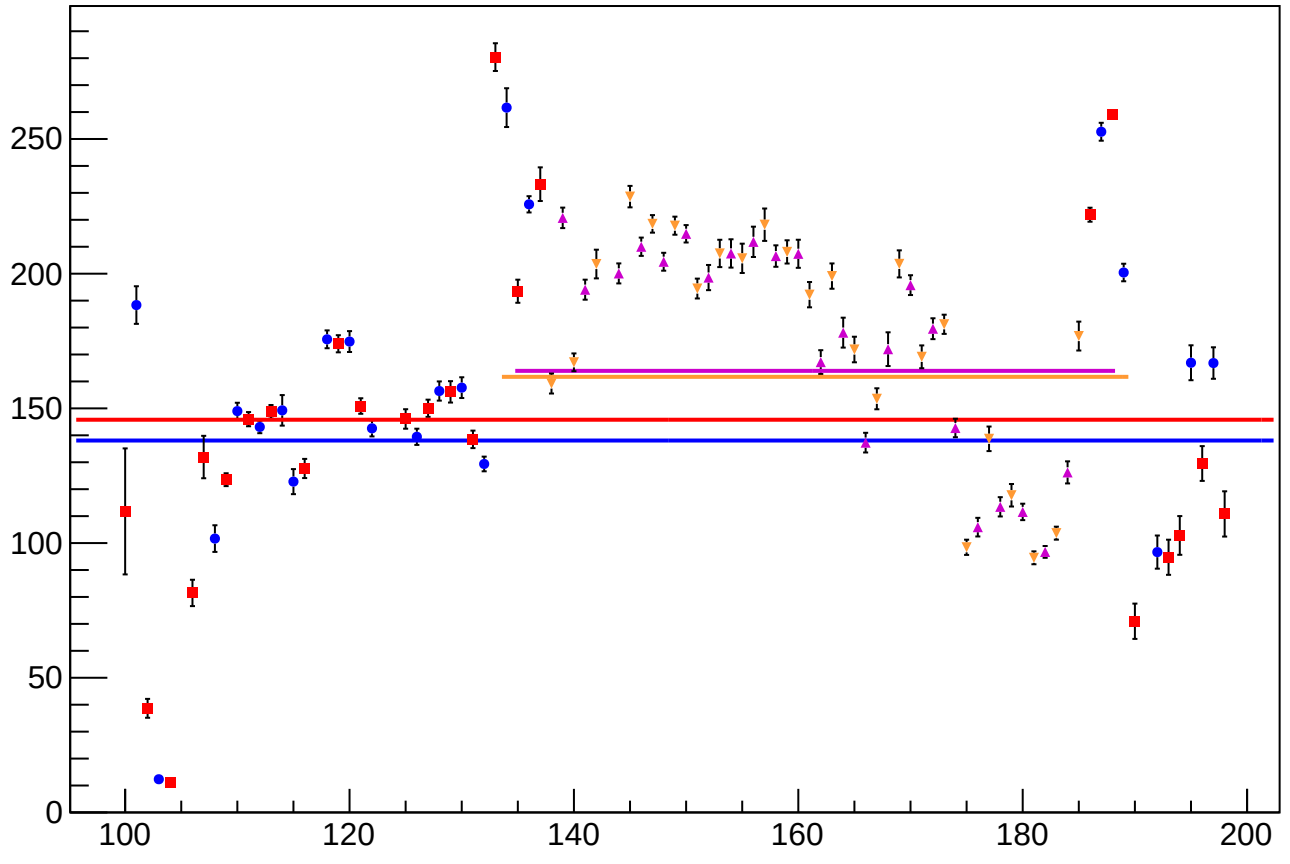
Right Out: -148.117+/-0.085 χ^2/NDF: 397604.7/24

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.767+/-0.047 χ^2/NDF: 465794.8/44

All: -171.922+/-0.033 χ^2/NDF: 1074591.0/92

- sign -170.172+/-0.046 χ^2/NDF: 605811.9/47



Right In: 138.068+/-0.748 χ^2/NDF: 7990.7/20

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

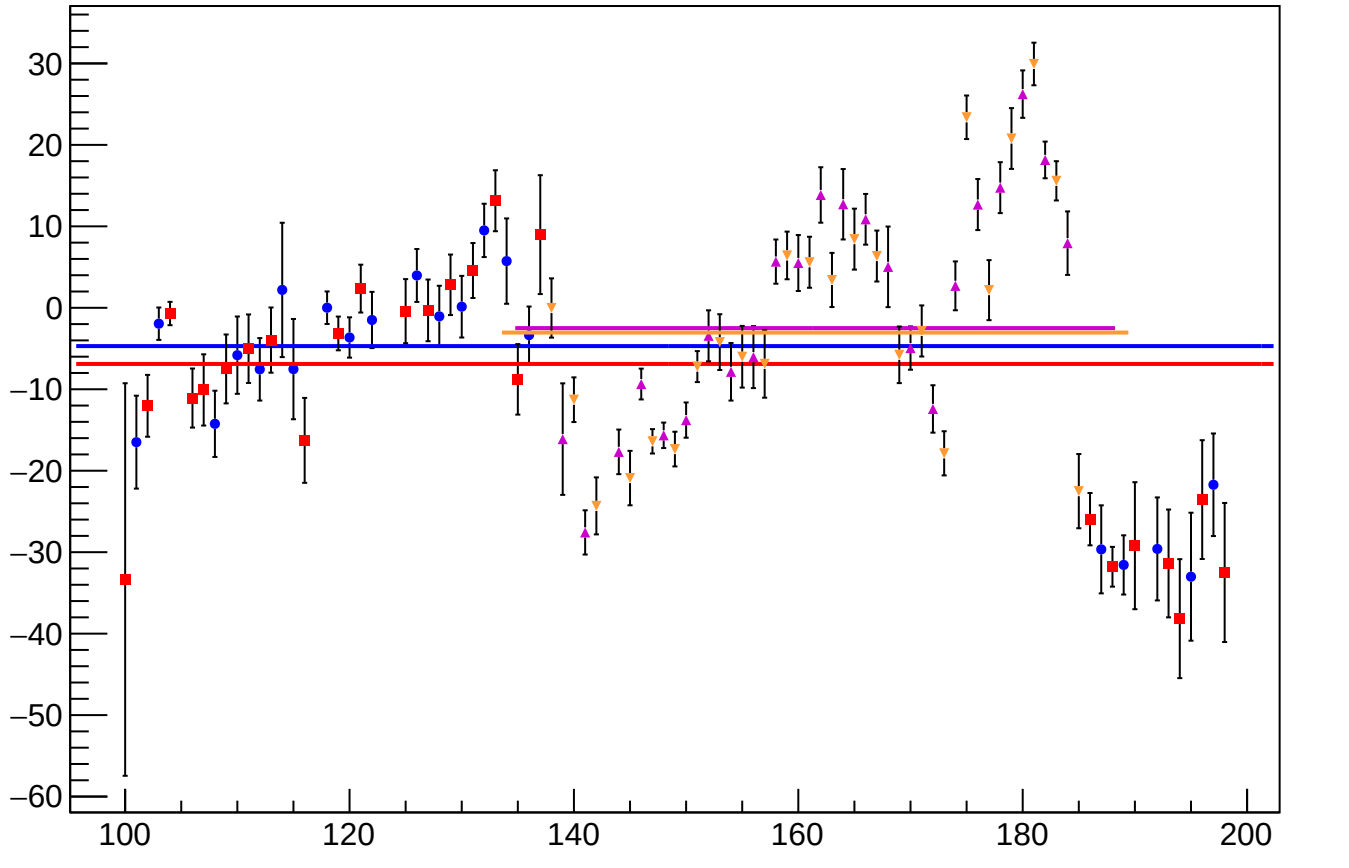
Right Out: 145.785+/-0.668 χ^2/NDF: 13029.7/24

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.457+/-0.539 χ^2/NDF: 12058.7/44

All: 151.583+/-0.369 χ^2/NDF: 28765.8/92

- sign 153.465+/-0.507 χ^2/NDF: 16677.7/47



Right In: -4.700+/-0.786 χ^2/NDF: 164.2/20

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

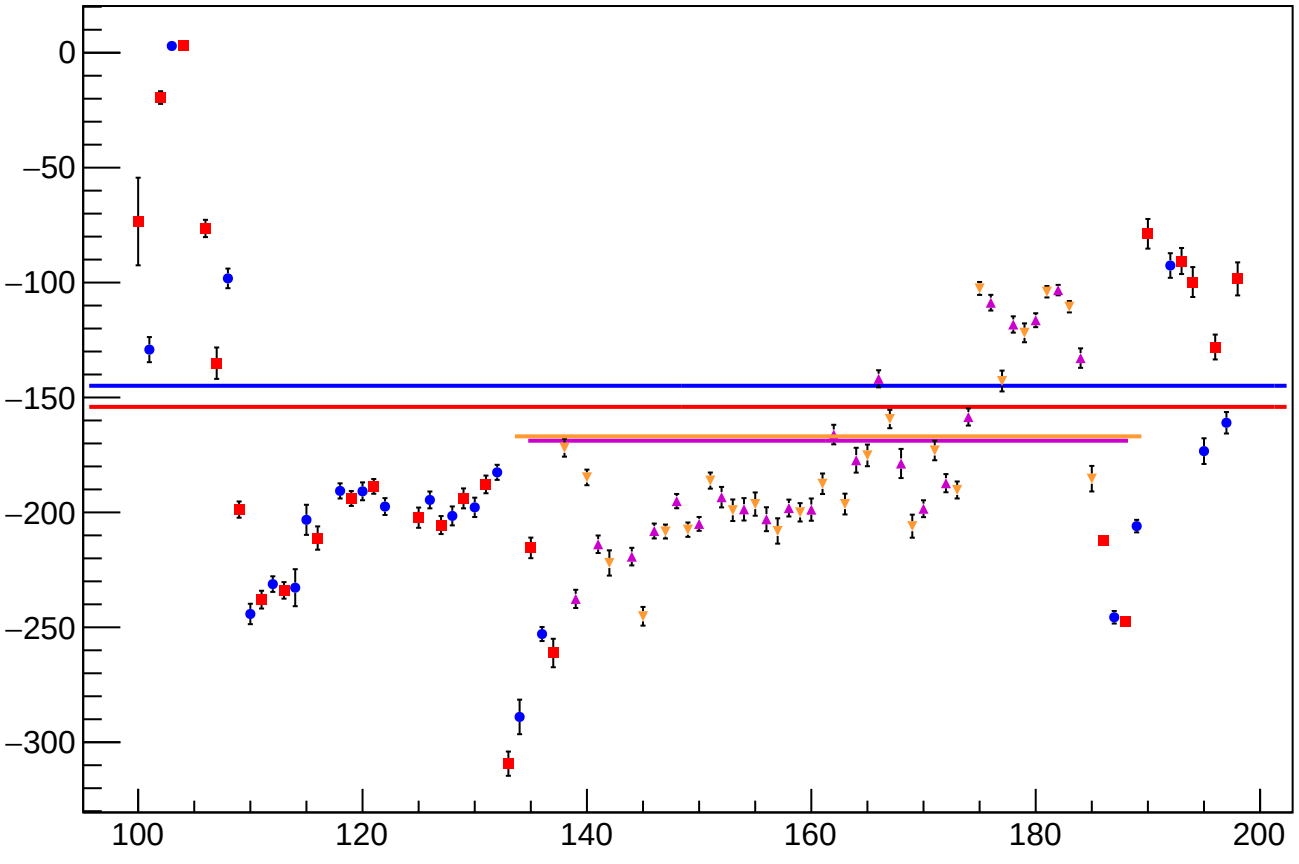
Right Out: -6.892+/-0.700 χ^2/NDF: 292.1/24

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

\+ sign -3.622+/-0.466 χ^2/NDF: 821.6/44

All: -3.977+/-0.324 χ^2/NDF: 1700.9/92

\- sign -4.308+/-0.450 χ^2/NDF: 878.2/47



Right In: -144.906+/-0.750 χ^2/NDF: 17012.5/20

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

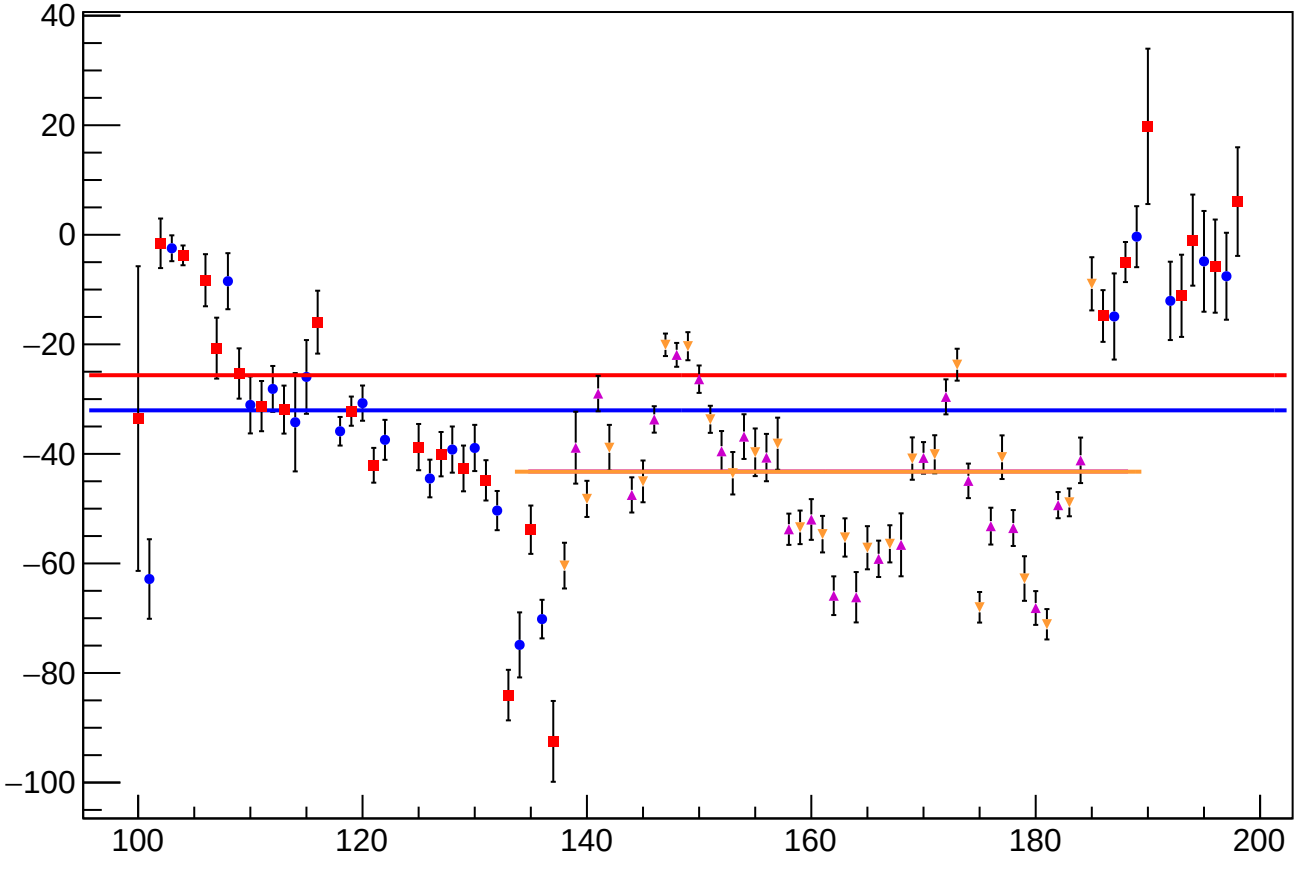
Right Out: -154.087+/-0.648 χ^2/NDF: 23585.4/24

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -155.611+/-0.538 χ^2/NDF: 20527.3/44

All: -158.073+/-0.365 χ^2/NDF: 47424.2/92

- sign -160.174+/-0.497 χ^2/NDF: 26858.1/47



Right In: -32.052+/-0.927 χ^2/NDF: 480.0/20

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -25.637+/-0.846 χ^2/NDF: 653.5/24

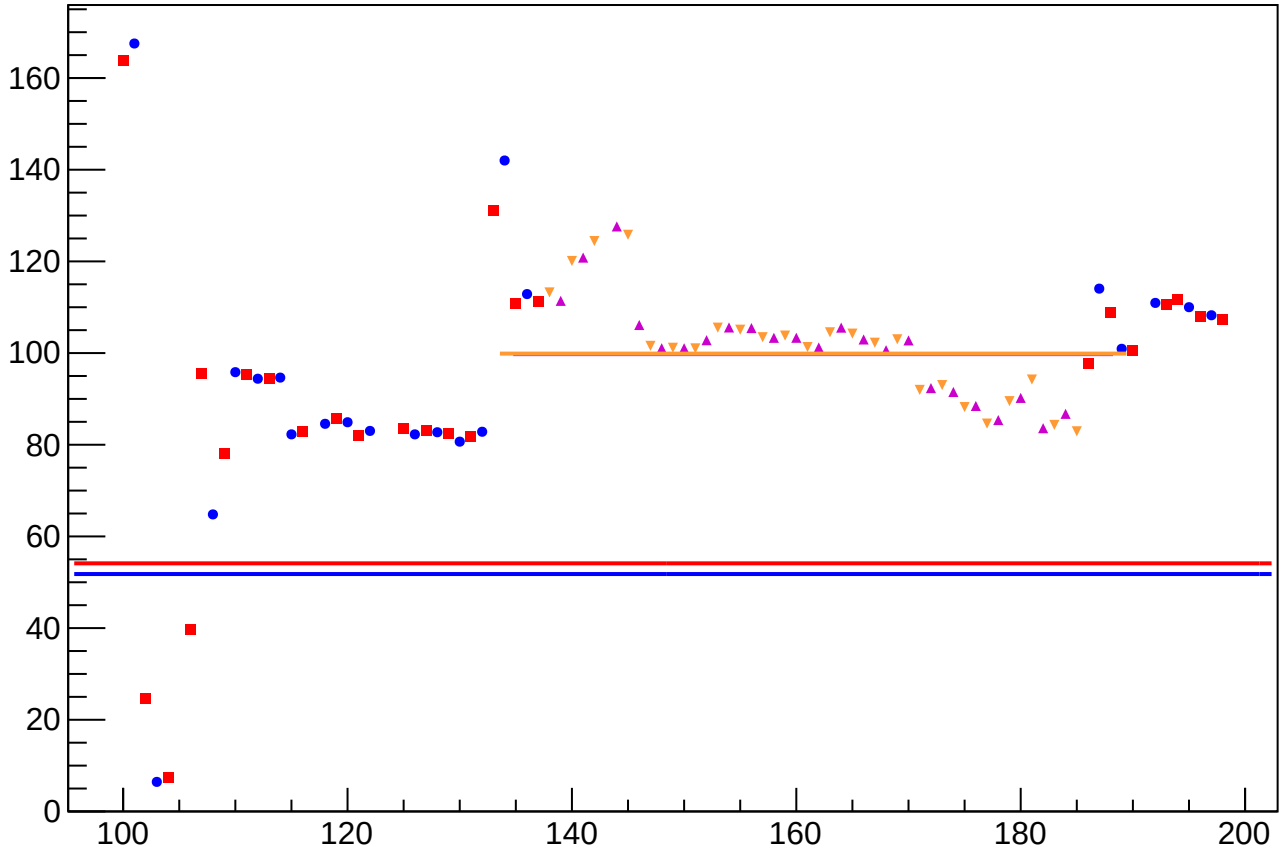
Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

\+ sign -39.454+/-0.540 χ^2/NDF: 1186.5/44

All: -37.904+/-0.376 χ^2/NDF: 2527.0/92

\- sign -36.436+/-0.525 χ^2/NDF: 1324.4/47

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 51.794+/-0.042 χ^2/NDF: 1324005.0/20

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

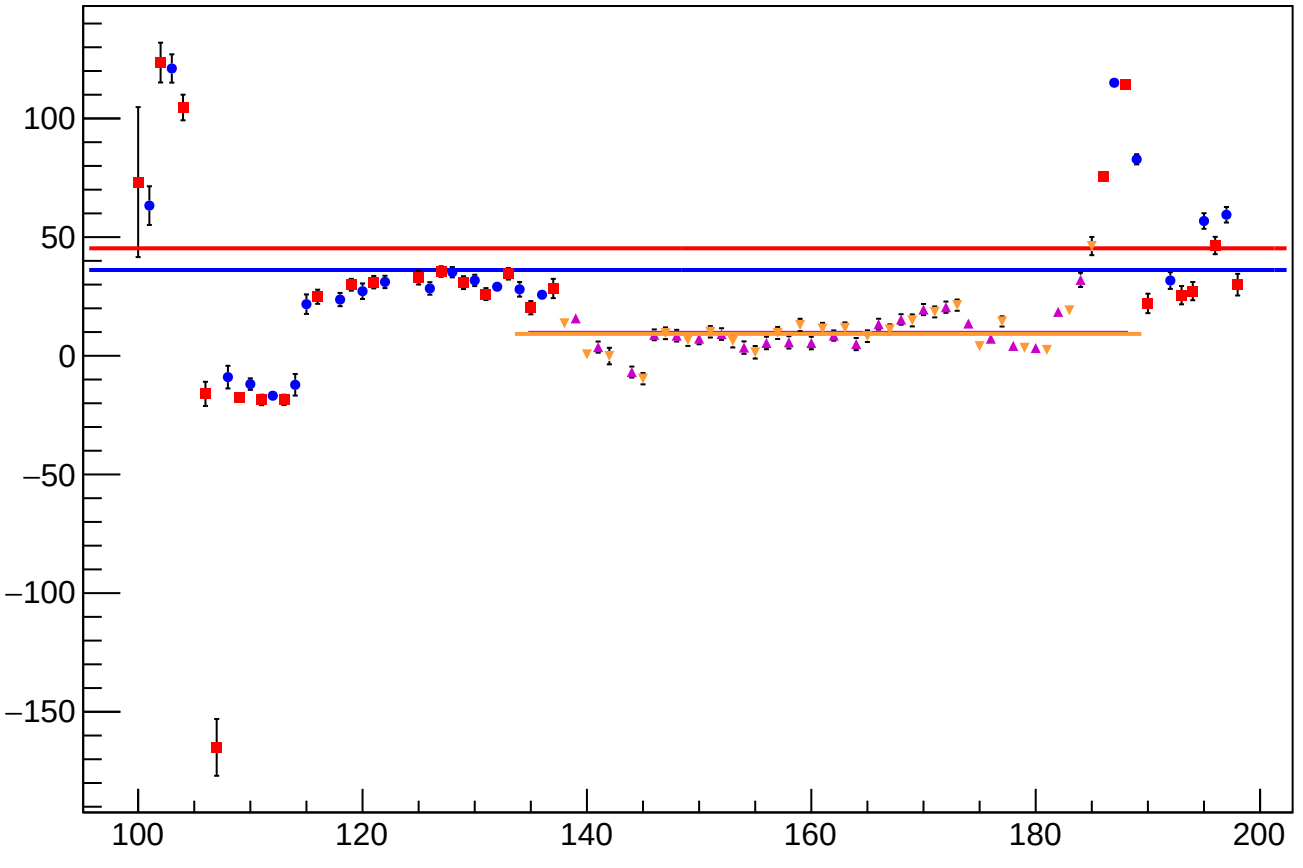
Right Out: 54.127+/-0.041 χ^2/NDF: 1161983.3/24

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 83.197+/-0.025 χ^2/NDF: 2295083.4/44

All: 83.341+/-0.017 χ^2/NDF: 4367145.4/92

- sign 83.480+/-0.025 χ^2/NDF: 2071996.7/47



Right In: 36.153+/-0.592 χ^2/NDF: 3740.3/20

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

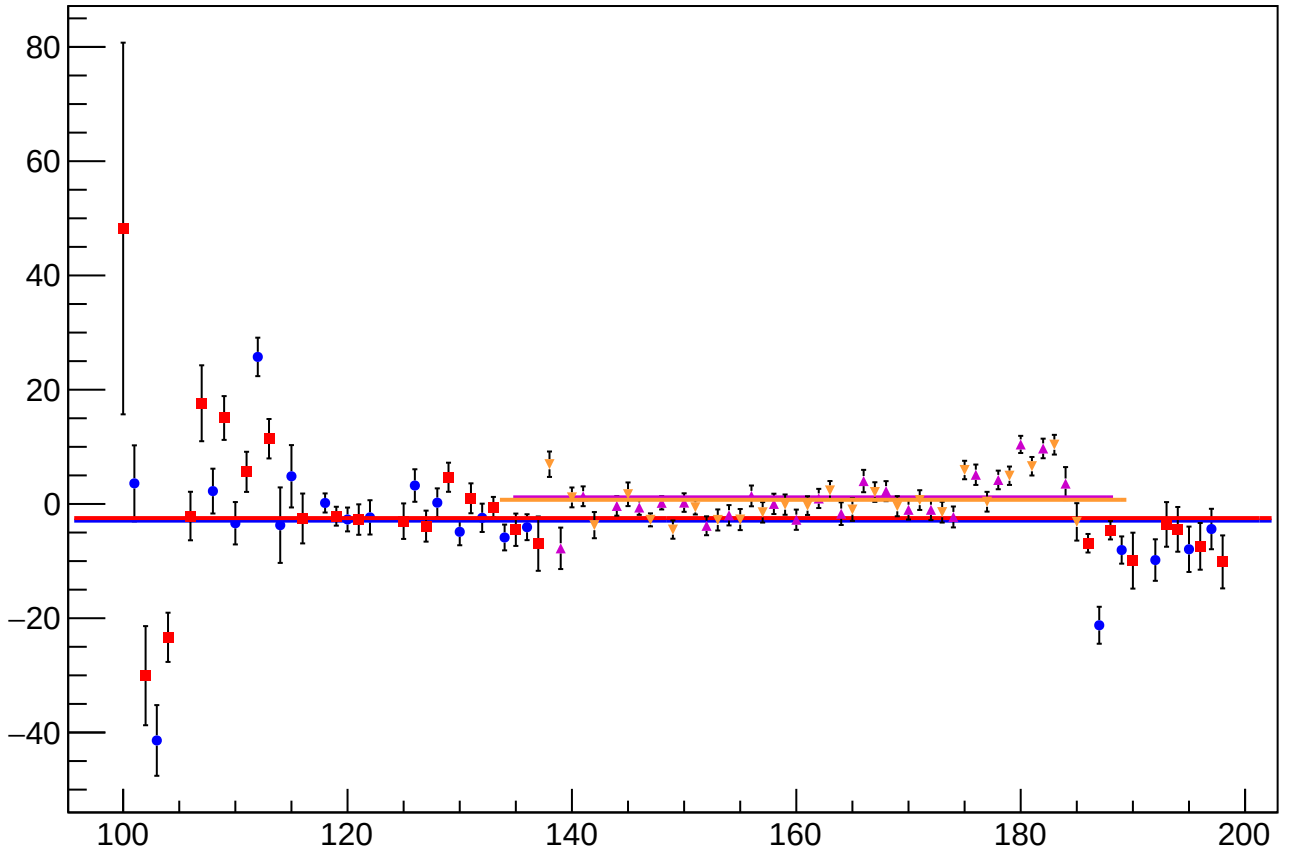
Right Out: 45.292+/-0.515 χ^2/NDF: 7789.8/24

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 19.275+/-0.361 χ^2/NDF: 5366.4/44

All: 22.585+/-0.249 χ^2/NDF: 16212.7/92

\- sign 25.583+/-0.344 χ^2/NDF: 10686.5/47



Right In: -2.917+/-0.628 χ^2/NDF: 170.3/20

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.472+/-0.577 χ^2/NDF: 116.1/24

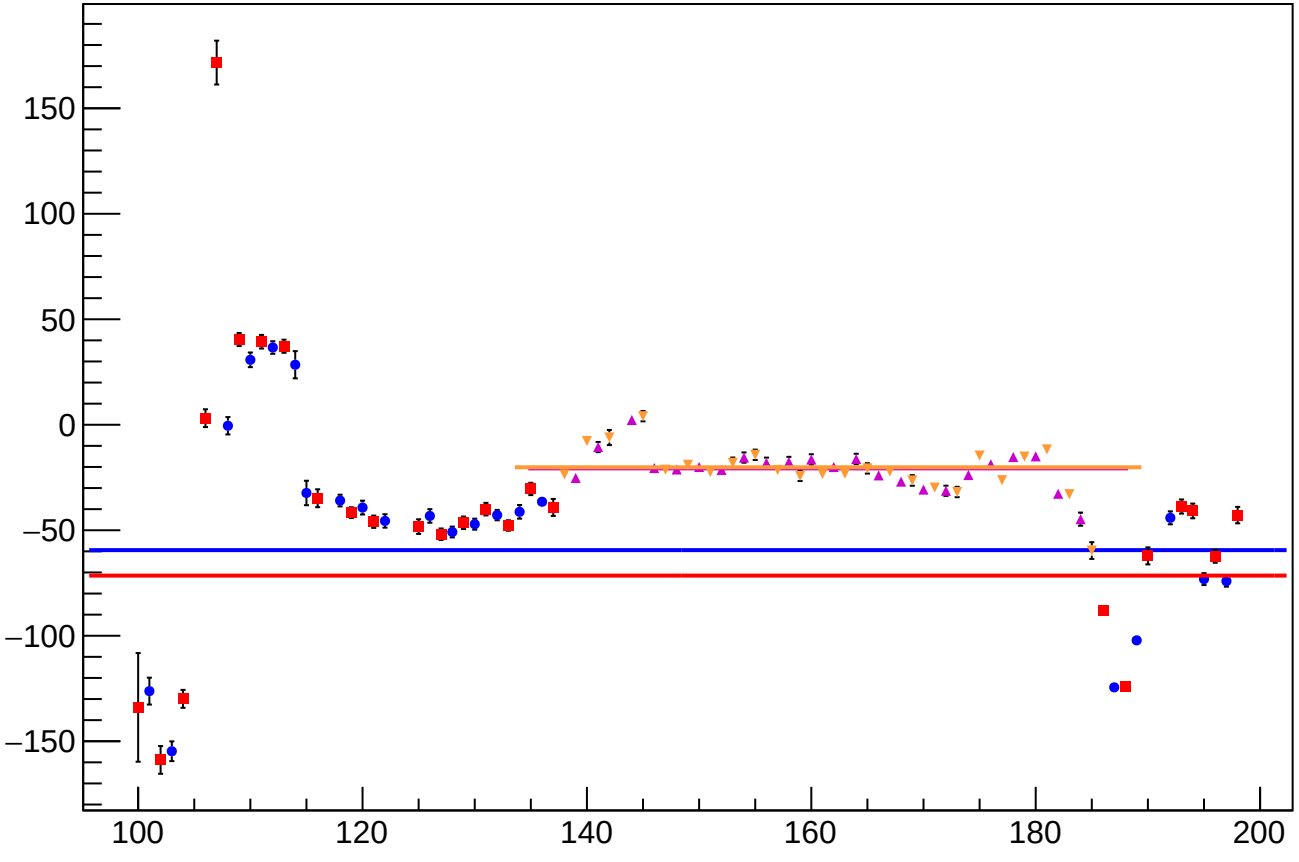
Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

+ sign -0.132+/-0.305 χ^2/NDF: 305.8/44

All: 0.009+/-0.215 χ^2/NDF: 561.4/92

- sign 0.149+/-0.304 χ^2/NDF: 255.1/47

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -59.422+/-0.610 χ^2/NDF: 5301.7/20

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

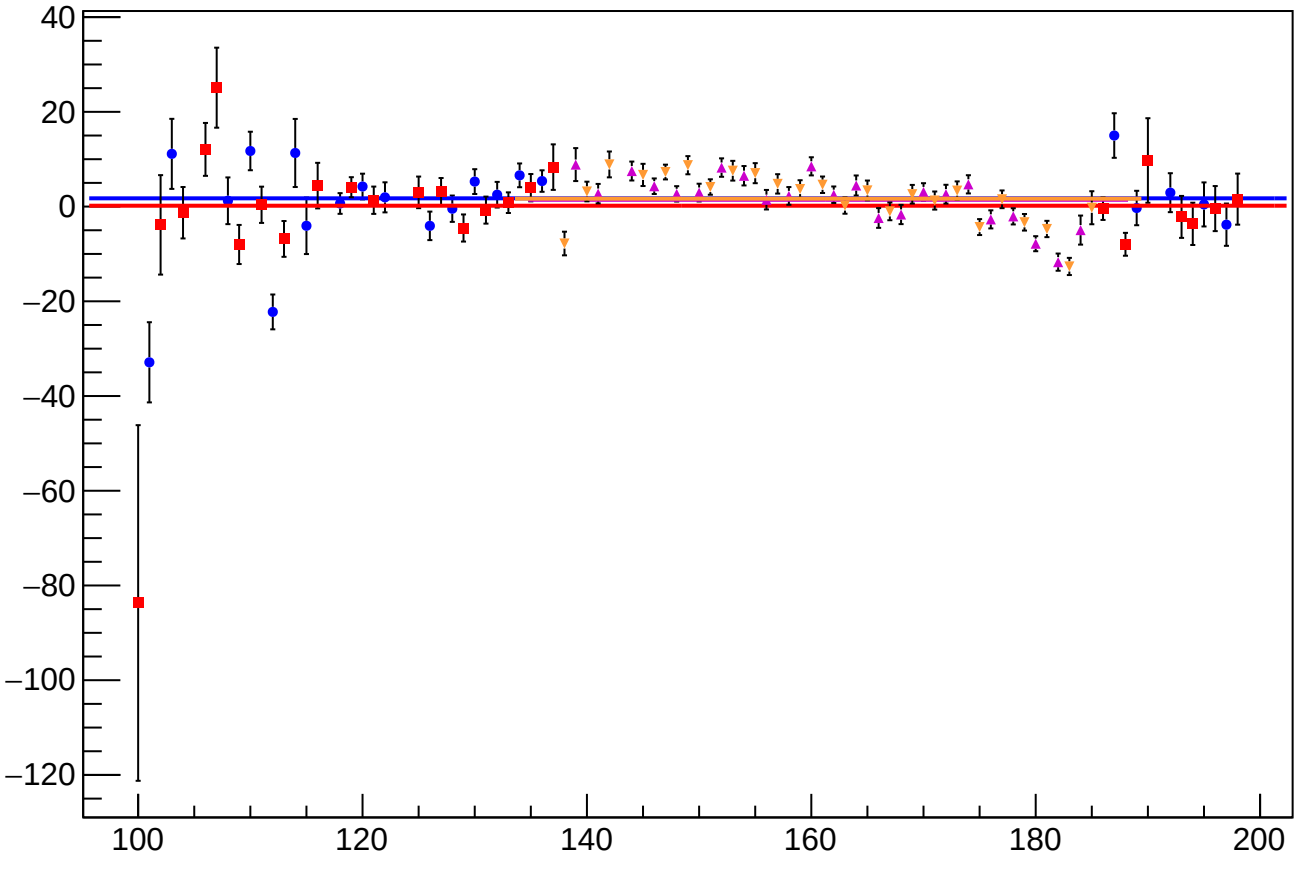
Right Out: -71.493+/-0.500 χ^2/NDF: 9507.4/24

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

+ sign -34.081+/-0.363 χ^2/NDF: 8394.6/44

All: -39.332+/-0.247 χ^2/NDF: 24224.3/92

- sign -43.859+/-0.337 χ^2/NDF: 15441.0/47



Right In: 1.742+/-0.735 χ^2/NDF: 93.3/20

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

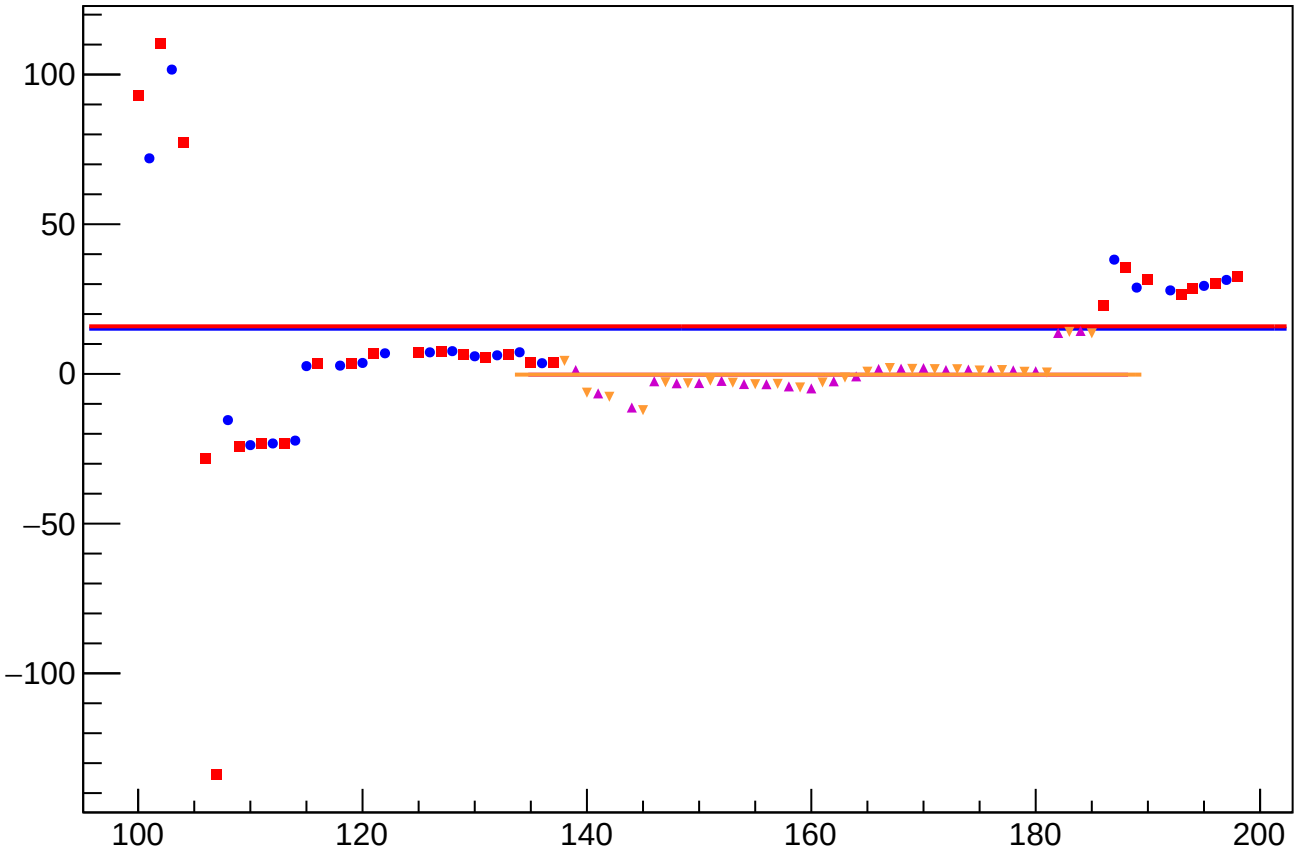
Right Out: 0.180+/-0.700 χ^2/NDF: 53.1/24

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.687+/-0.348 χ^2/NDF: 271.3/44

All: 1.403+/-0.246 χ^2/NDF: 490.9/92

- sign 1.118+/-0.349 χ^2/NDF: 218.3/47



Right In: 15.106+/-0.040 χ^2/NDF: 379510.5/20

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 15.900+/-0.038 χ^2/NDF: 557392.0/24

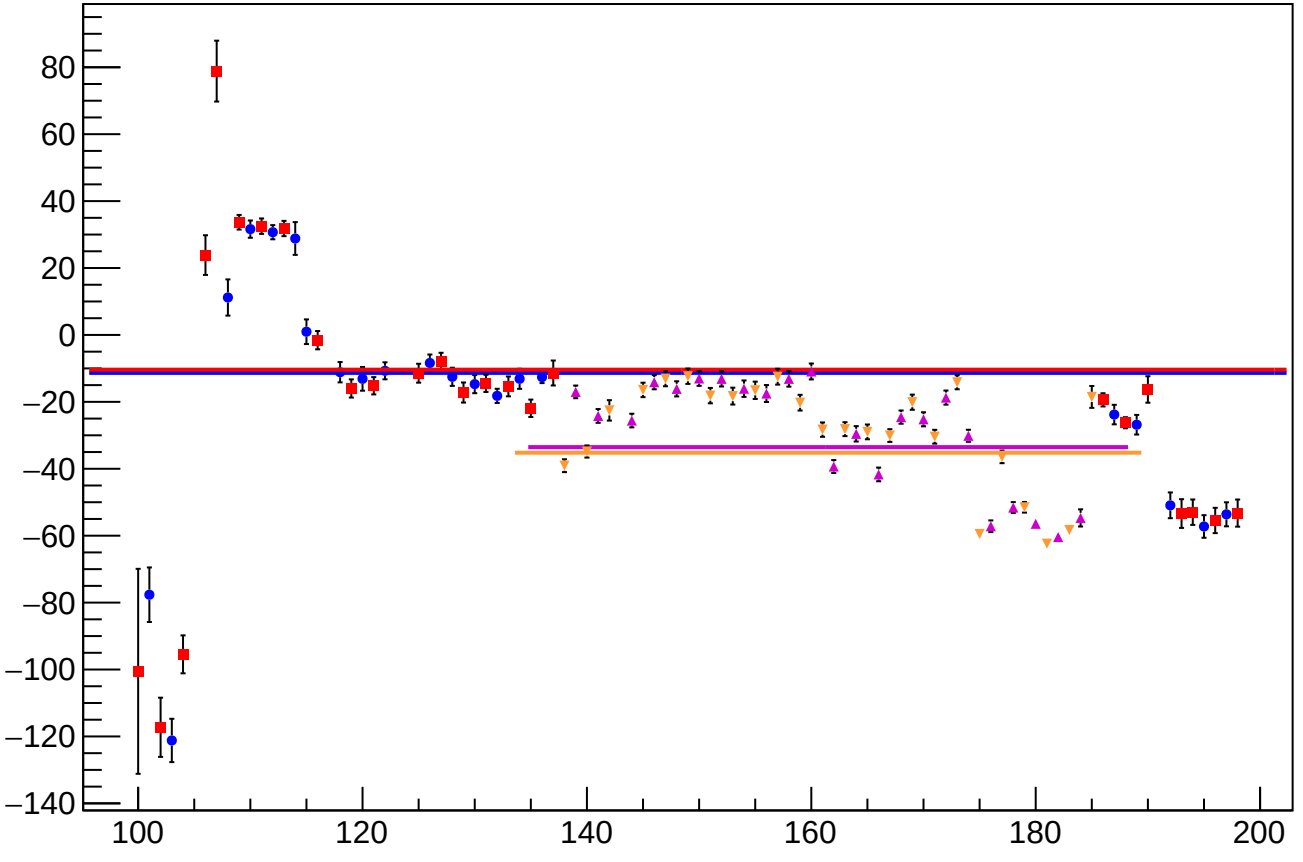
Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 2.278+/-0.016 χ^2/NDF: 584053.5/44

All: 2.427+/-0.011 χ^2/NDF: 1360619.4/92

- sign 2.575+/-0.016 χ^2/NDF: 776395.4/47

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -11.339+/-0.640 χ^2/NDF: 1609.9/20

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

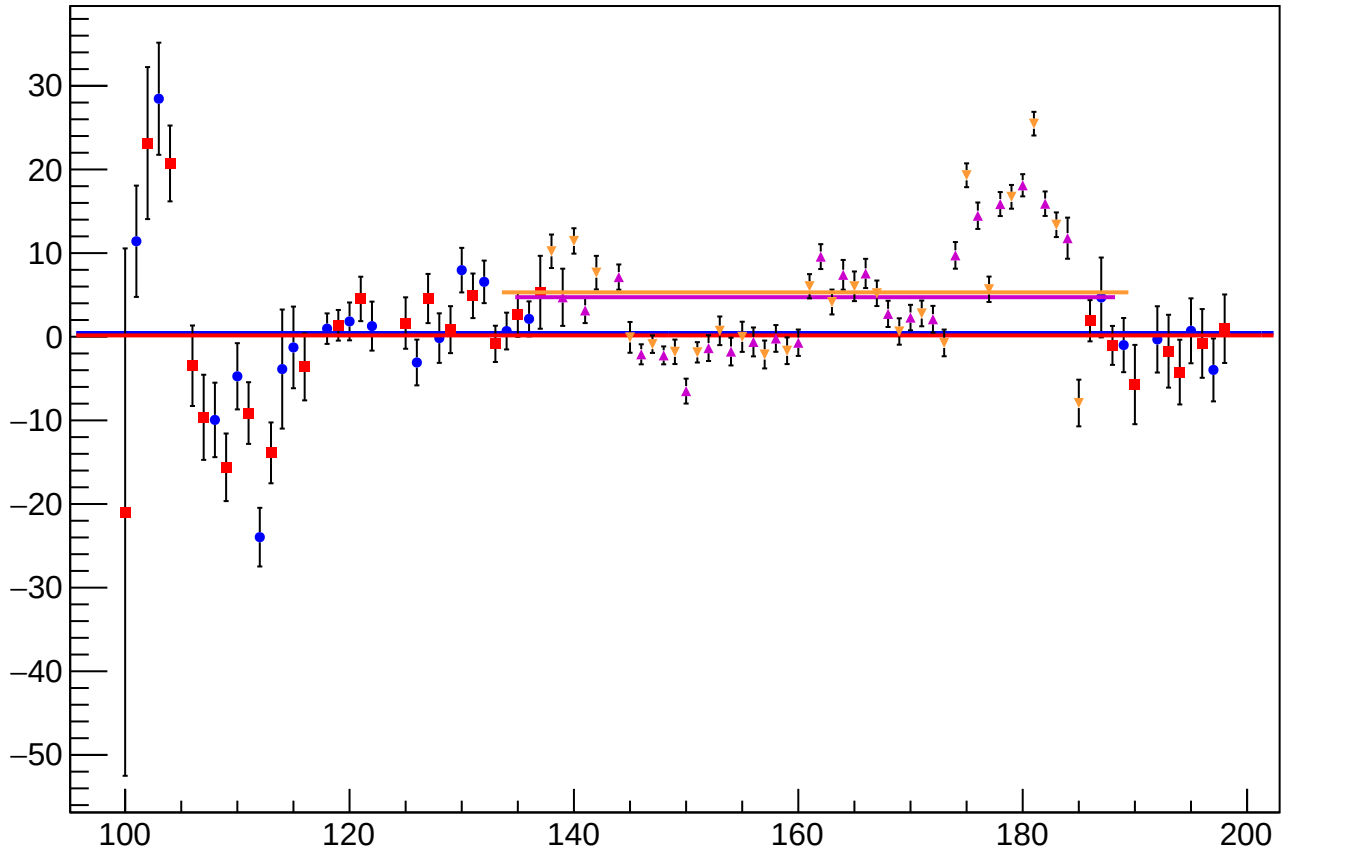
Right Out: -10.382+/-0.585 χ^2/NDF: 2246.1/24

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

\+ sign -28.302+/-0.344 χ^2/NDF: 4448.8/44

All: -27.036+/-0.241 χ^2/NDF: 9570.7/92

\- sign -25.816+/-0.338 χ^2/NDF: 5095.4/47



Right In: 0.447+/-0.669 χ^2/NDF: 95.3/20

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

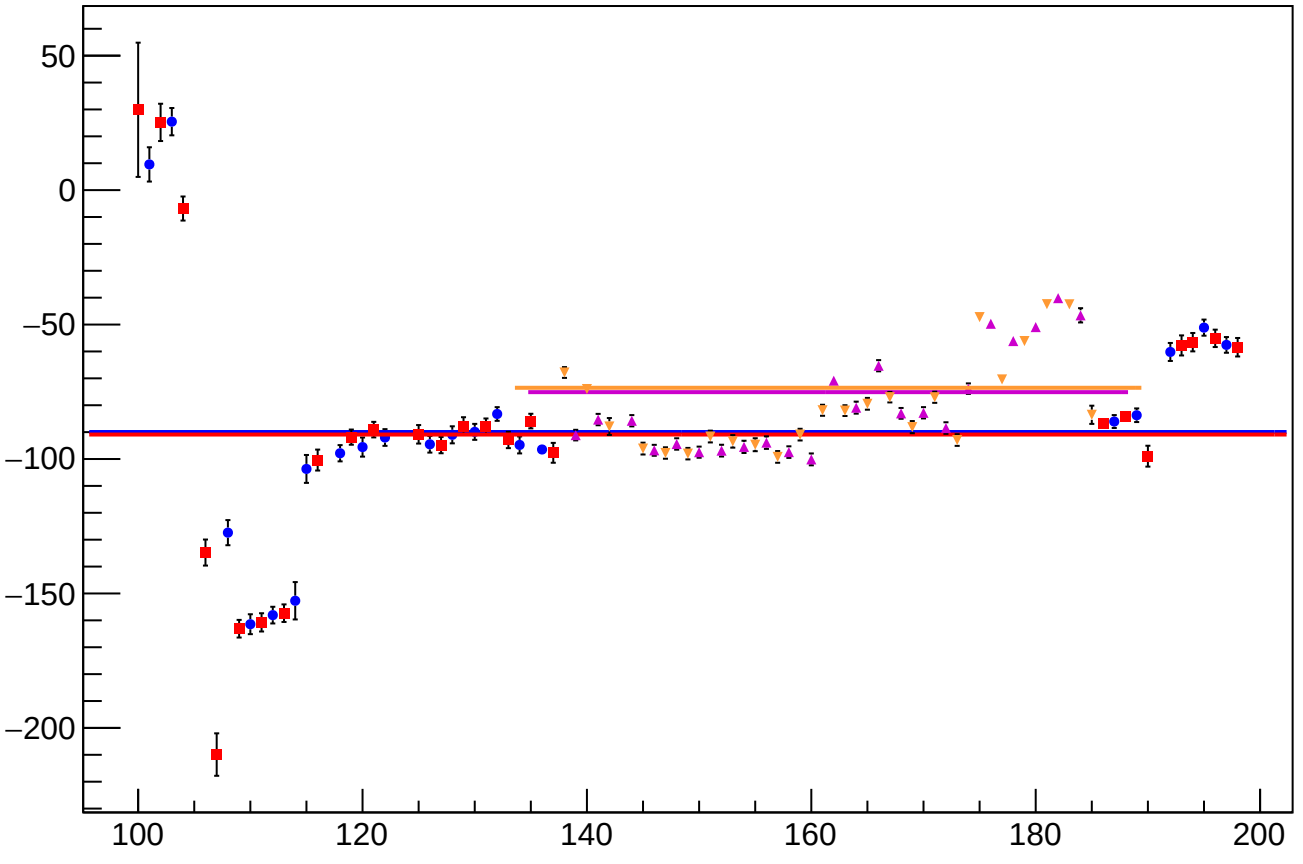
Right Out: 0.158+/-0.647 χ^2/NDF: 84.2/24

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.426+/-0.285 χ^2/NDF: 762.9/44

All: 4.128+/-0.202 χ^2/NDF: 1385.2/92

- sign 3.824+/-0.288 χ^2/NDF: 620.2/47



Right In: -89.962+/-0.680 χ^2/NDF: 2180.5/20

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

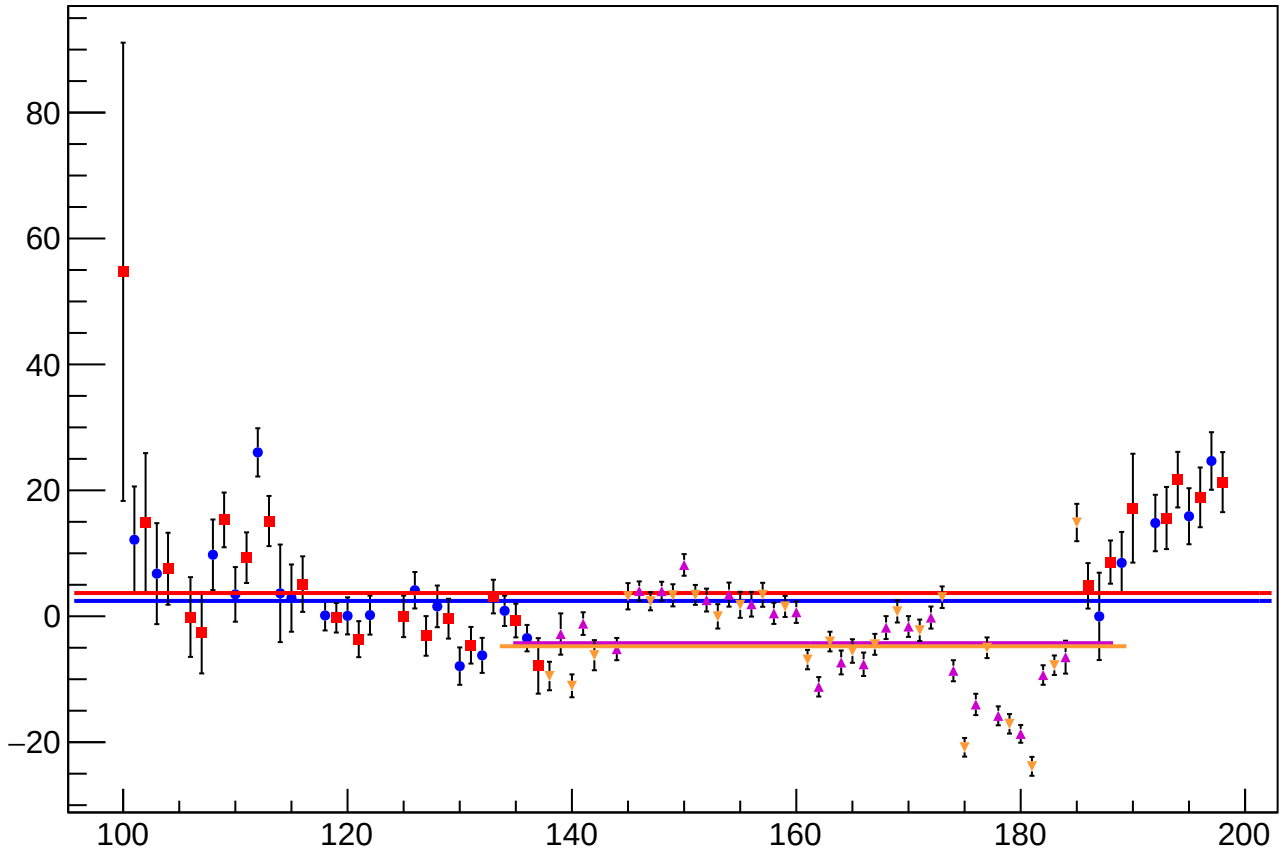
Right Out: -90.895+/-0.599 χ^2/NDF: 2732.4/24

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -77.818+/-0.348 χ^2/NDF: 5004.4/44

All: -79.026+/-0.243 χ^2/NDF: 10594.2/92

\- sign -80.167+/-0.338 χ^2/NDF: 5566.3/47



Right In: 2.436+/-0.769 χ^2/NDF: 116.1/20

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

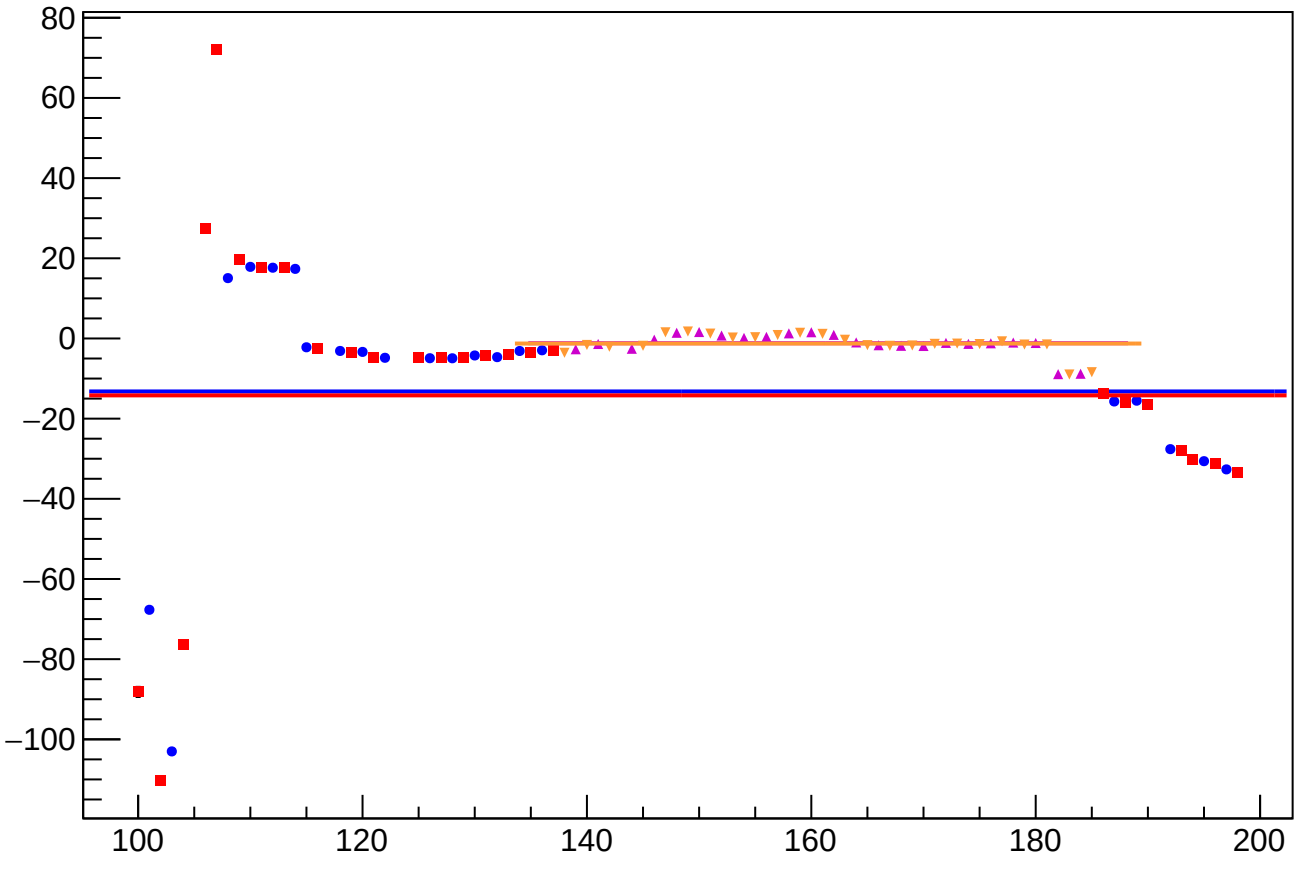
Right Out: 3.691+/-0.763 χ^2/NDF: 107.9/24

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

\+ sign -3.498+/-0.322 χ^2/NDF: 765.3/44

All: -3.163+/-0.229 χ^2/NDF: 1388.7/92

\- sign -2.820+/-0.326 χ^2/NDF: 621.2/47



Right In: -13.216+/-0.041 χ^2/NDF: 326941.1/20

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -14.196+/-0.040 χ^2/NDF: 425710.0/24

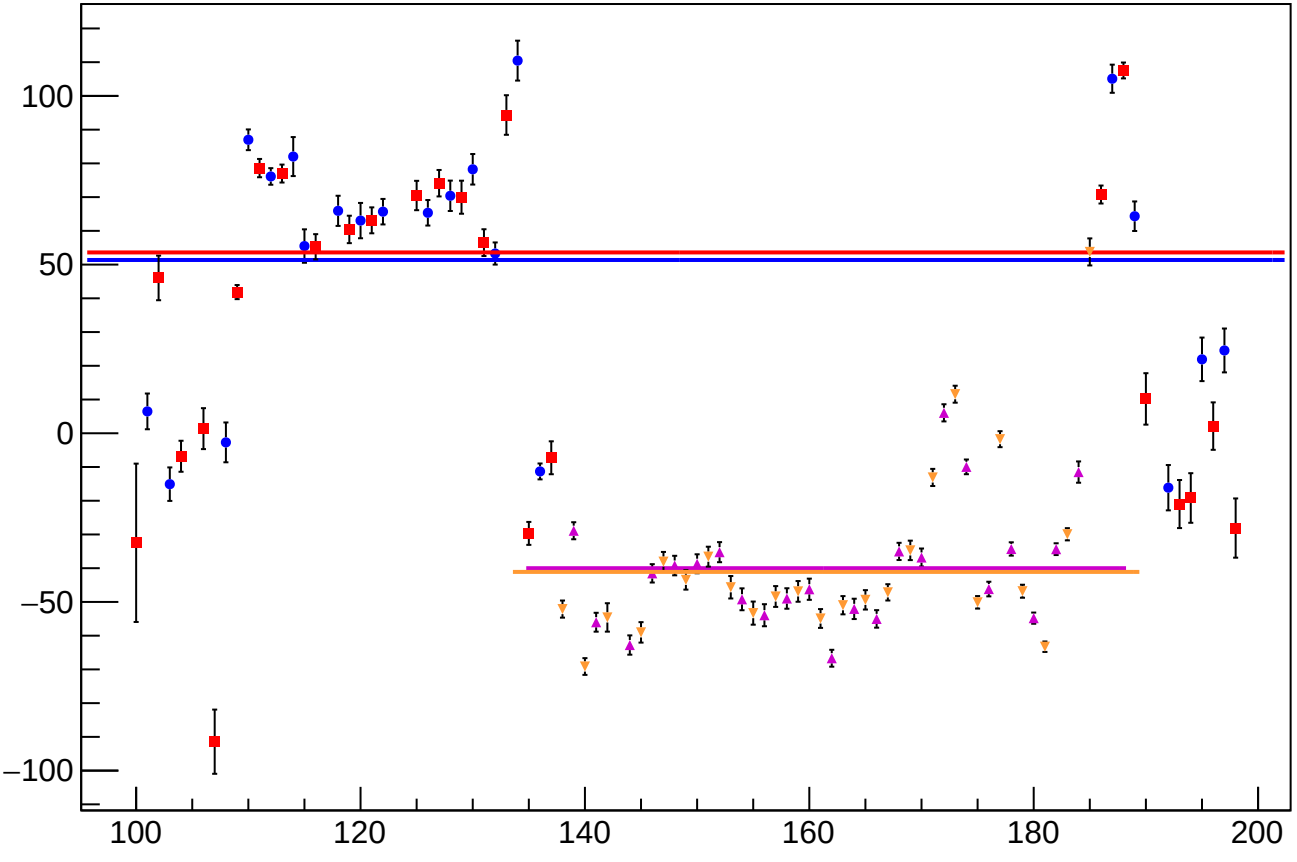
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

\+ sign -2.854+/-0.015 χ^2/NDF: 427389.1/44

All: -2.906+/-0.010 χ^2/NDF: 968777.4/92

\- sign -2.958+/-0.015 χ^2/NDF: 541363.9/47

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 51.365+/-0.894 χ^2/NDF: 1817.8/20

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 53.604+/-0.789 χ^2/NDF: 2502.2/24

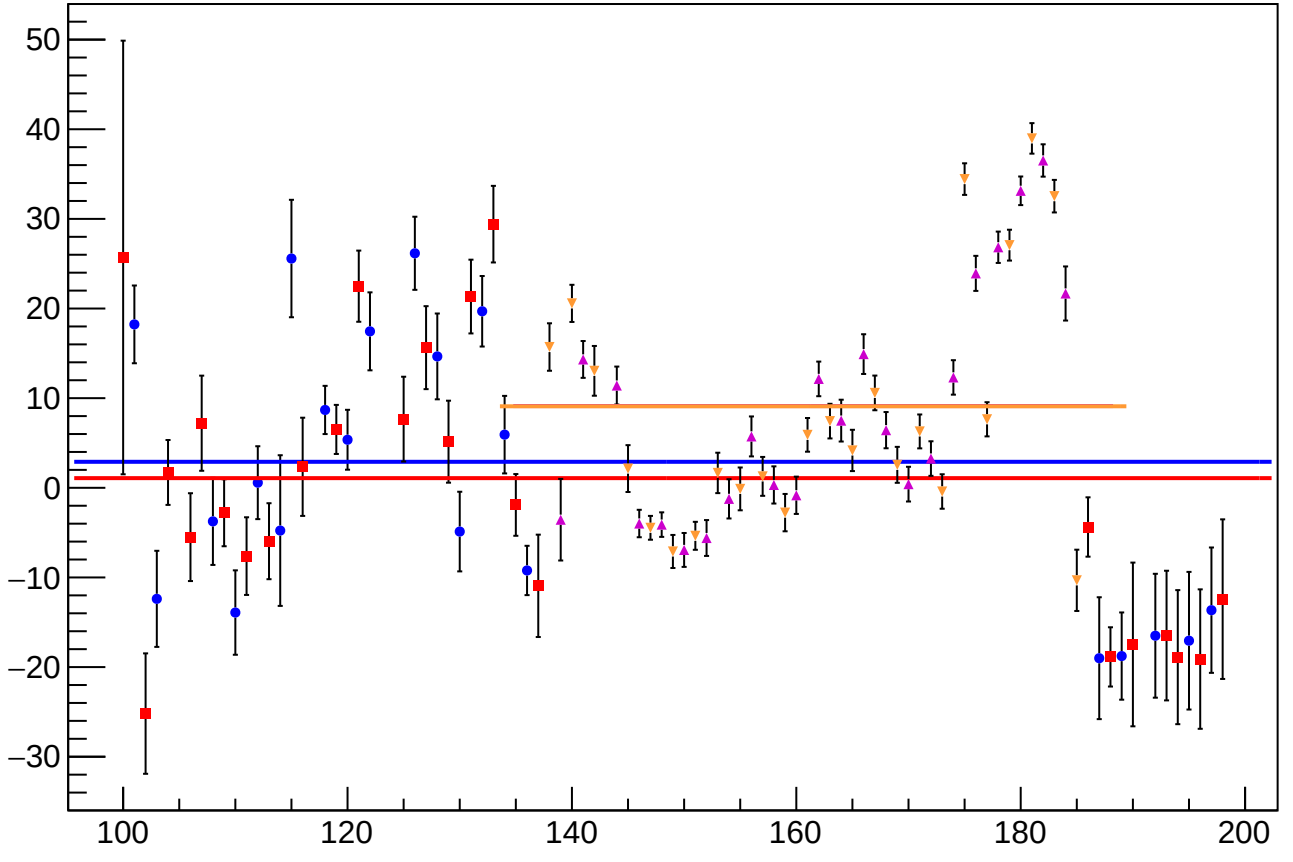
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

+ sign -17.882+/-0.448 χ^2/NDF: 11785.5/44

All: -14.523+/-0.313 χ^2/NDF: 25193.5/92

- sign -11.327+/-0.437 χ^2/NDF: 13298.2/47

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.901+/-0.962 χ^2/NDF: 195.0/20

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 1.079+/-0.906 χ^2/NDF: 211.8/24

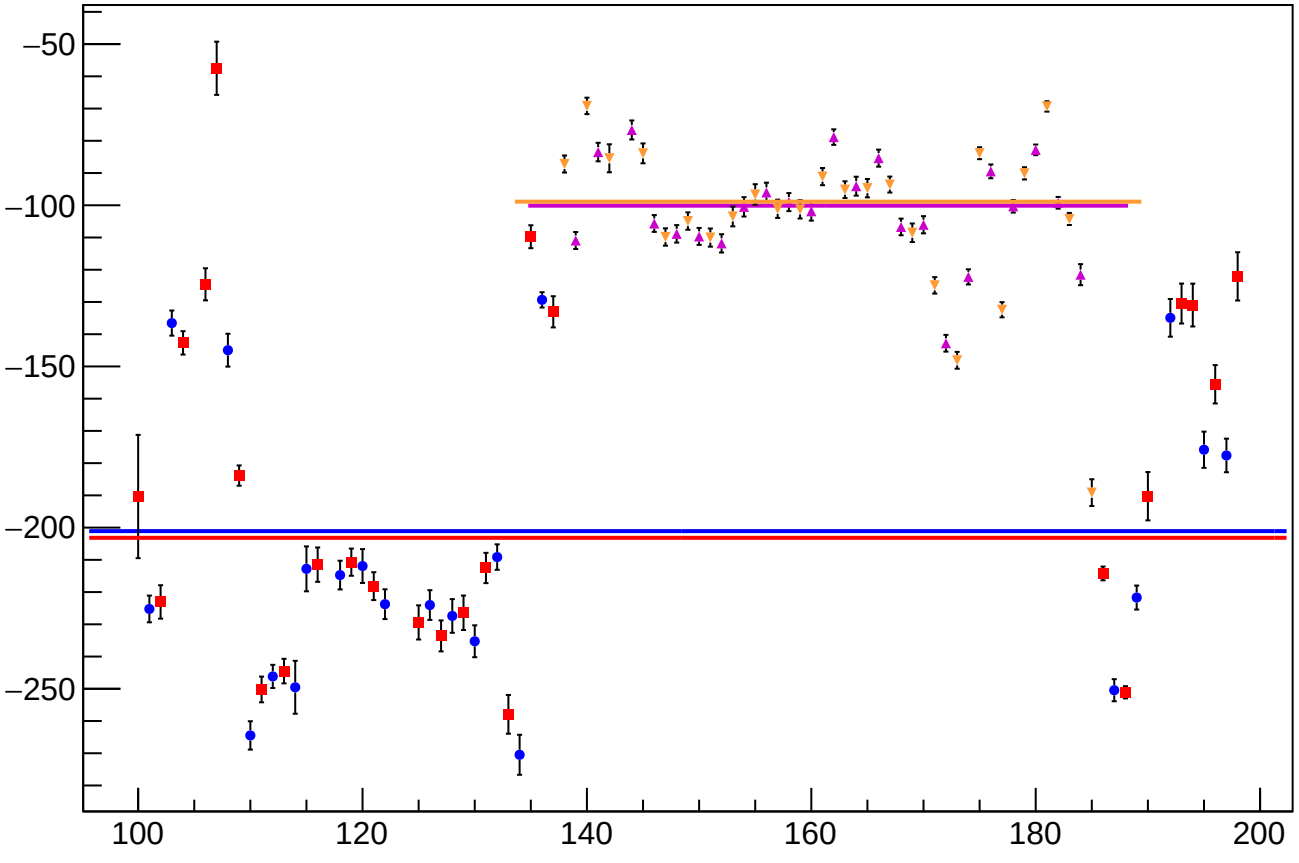
Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.176+/-0.370 χ^2/NDF: 1484.0/44

All: 7.970+/-0.263 χ^2/NDF: 2813.7/92

- sign 7.761+/-0.373 χ^2/NDF: 1329.0/47

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -201.091+/-0.950 χ^2/NDF: 2414.1/20

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -203.163+/-0.825 χ^2/NDF: 3343.9/24

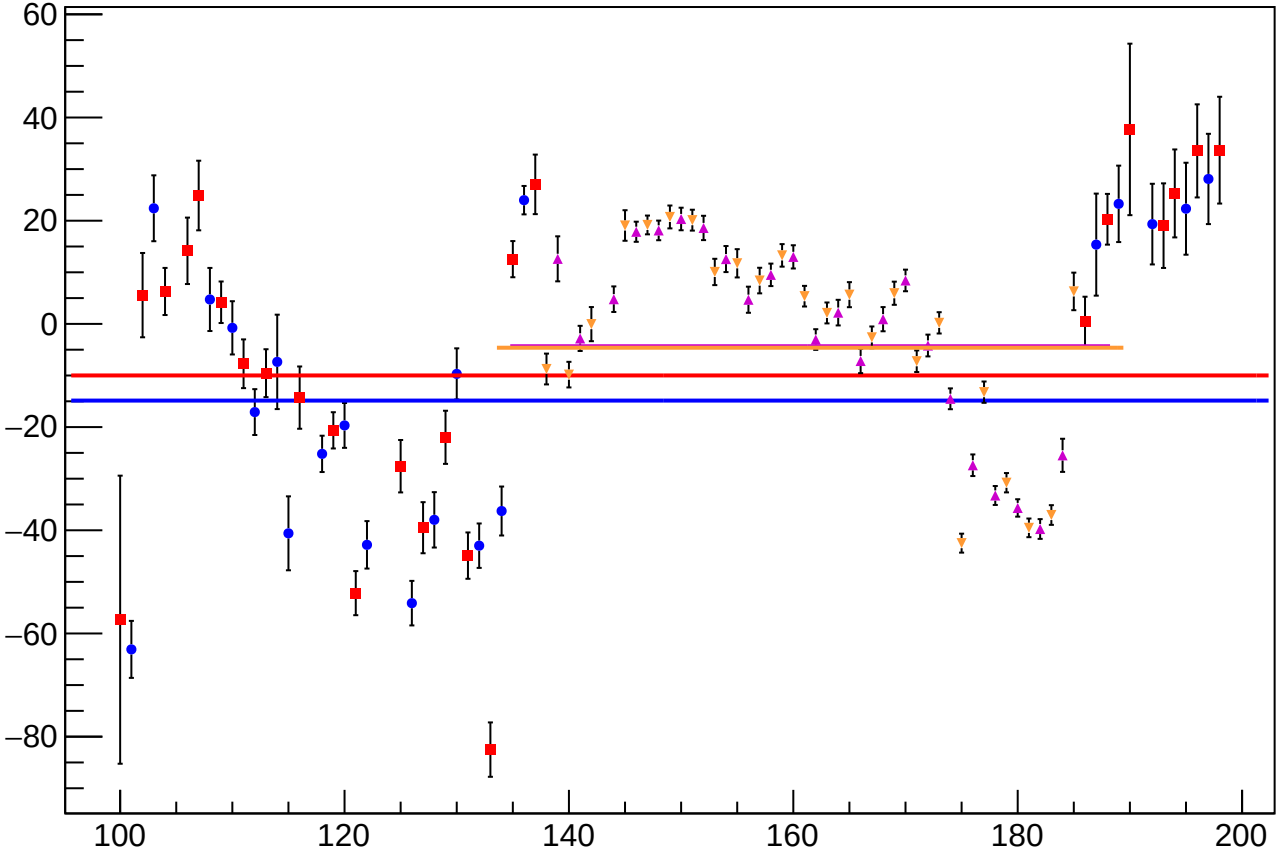
Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -122.024+/-0.452 χ^2/NDF: 13185.9/44

All: -125.818+/-0.315 χ^2/NDF: 28645.0/92

- sign -129.410+/-0.440 χ^2/NDF: 15322.0/47

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -14.863+/-1.108 χ^2/NDF: 649.5/20

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

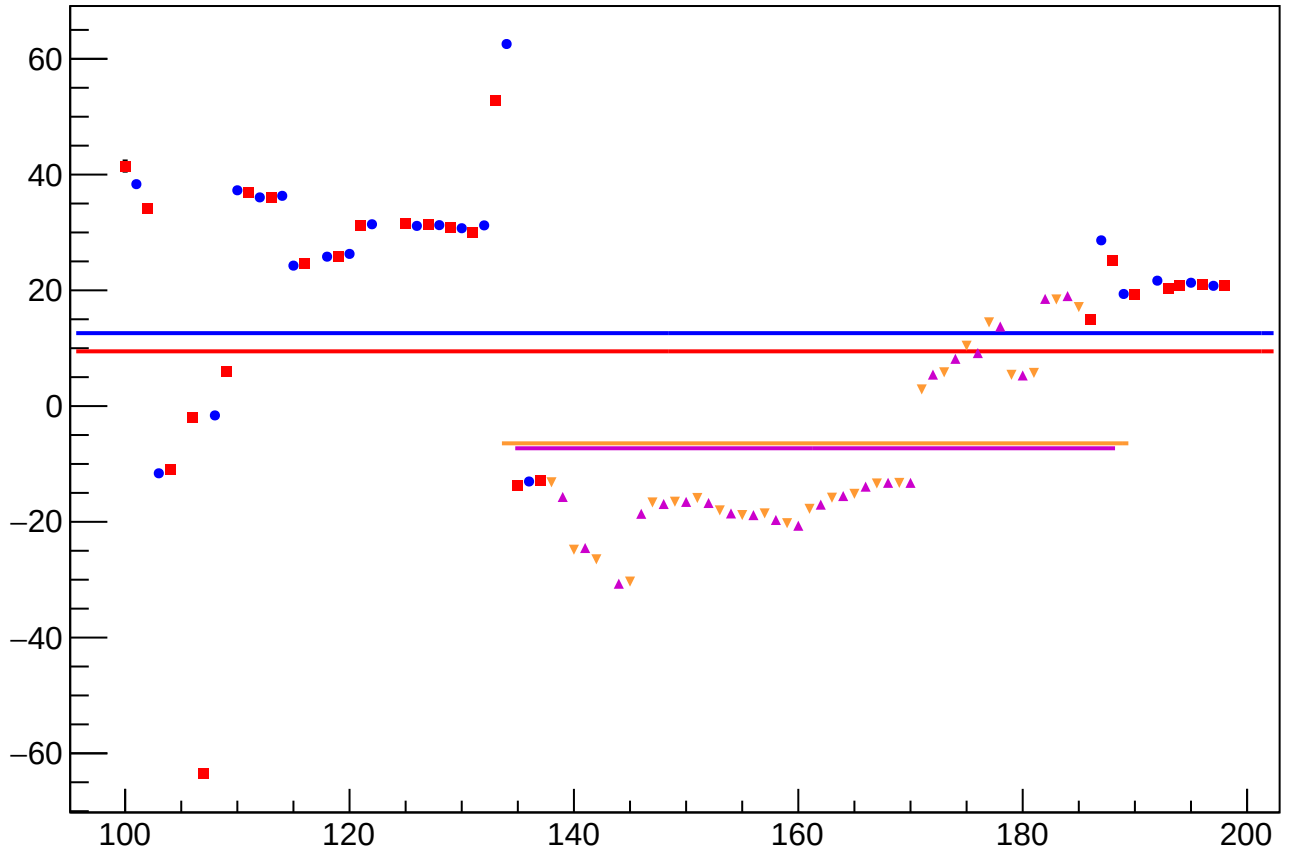
Right Out: -9.991+/-1.067 χ^2/NDF: 686.7/24

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.076+/-0.418 χ^2/NDF: 2801.1/44

All: -5.647+/-0.297 χ^2/NDF: 5367.8/92

- sign -5.212+/-0.421 χ^2/NDF: 2564.6/47



Right In: 12.603+/-0.057 χ^2/NDF: 170221.7/20

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

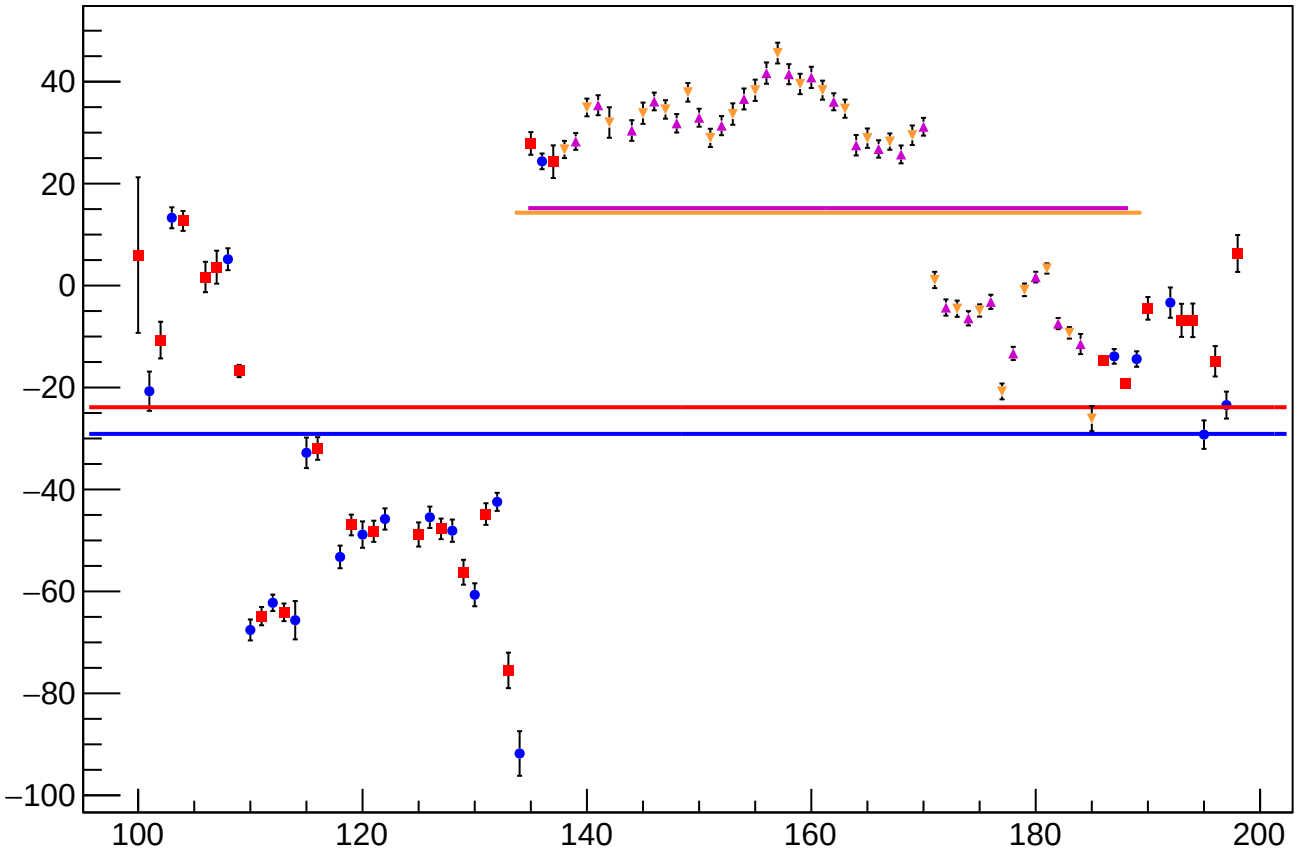
Right Out: 9.459+/-0.055 χ^2/NDF: 170270.0/24

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -4.317+/-0.019 χ^2/NDF: 765917.6/44

All: -4.802+/-0.013 χ^2/NDF: 1507256.4/92

- sign -5.286+/-0.019 χ^2/NDF: 740043.7/47



Right In: -29.098+/-0.465 χ^2/NDF: 3875.3/20

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

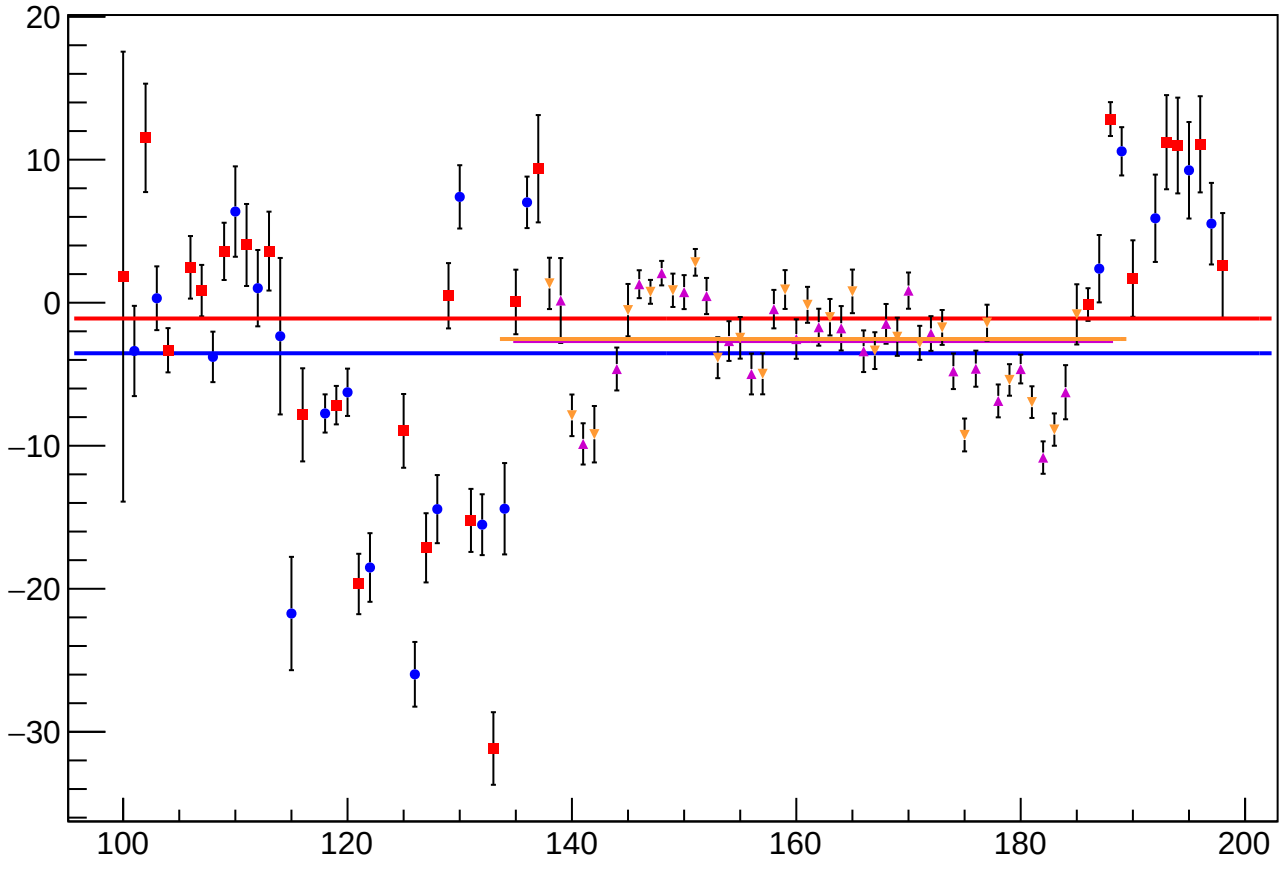
Right Out: -23.869+/-0.381 χ^2/NDF: 3736.9/24

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -0.558+/-0.272 χ^2/NDF: 13337.8/44

All: -1.369+/-0.185 χ^2/NDF: 26353.4/92

- sign -2.075+/-0.254 χ^2/NDF: 12998.9/47



Right In: -3.534+/-0.493 χ^2/NDF: 420.2/20

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.104+/-0.427 χ^2/NDF: 555.3/24

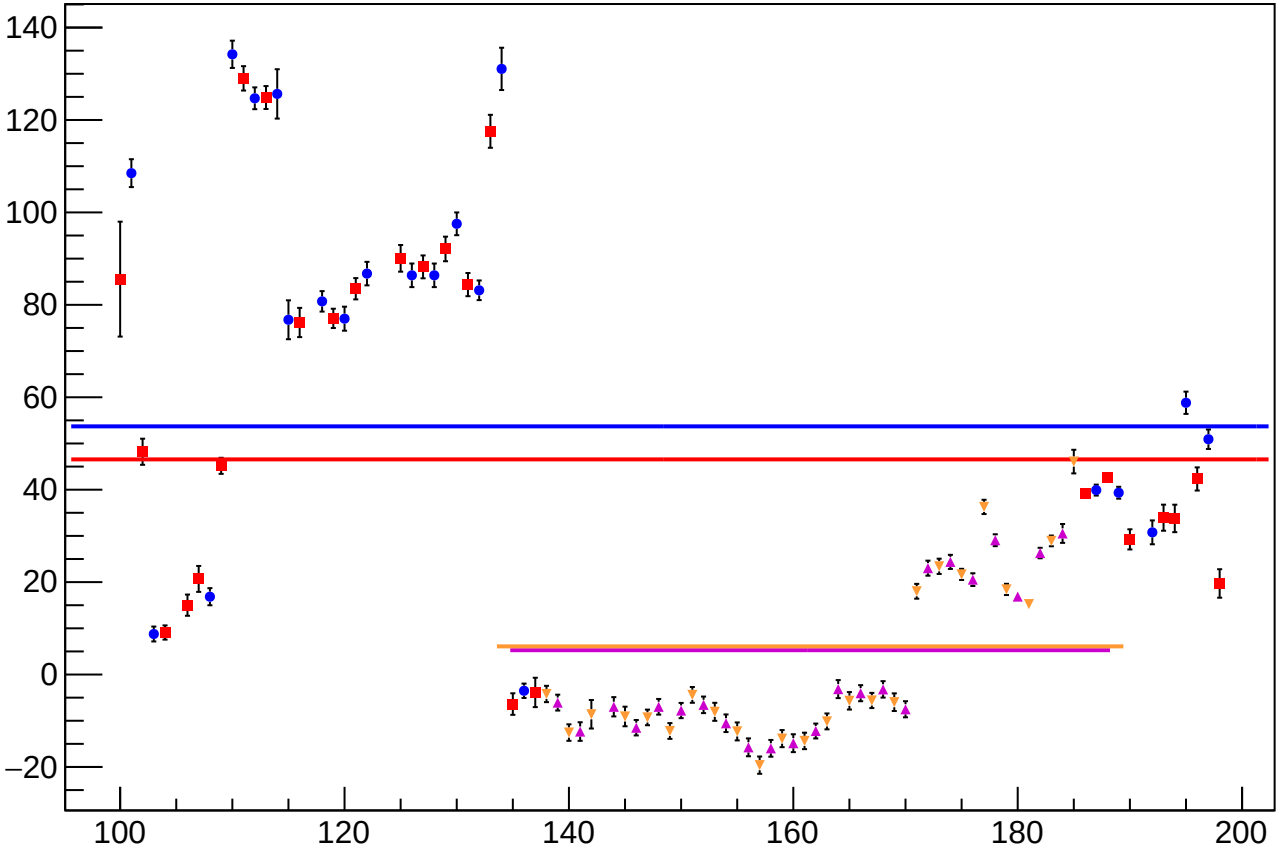
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

\+ sign -2.753+/-0.229 χ^2/NDF: 621.8/44

All: -2.493+/-0.161 χ^2/NDF: 1371.5/92

\- sign -2.243+/-0.225 χ^2/NDF: 747.1/47

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 53.704+/-0.461 χ^2/NDF: 6579.3/20

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

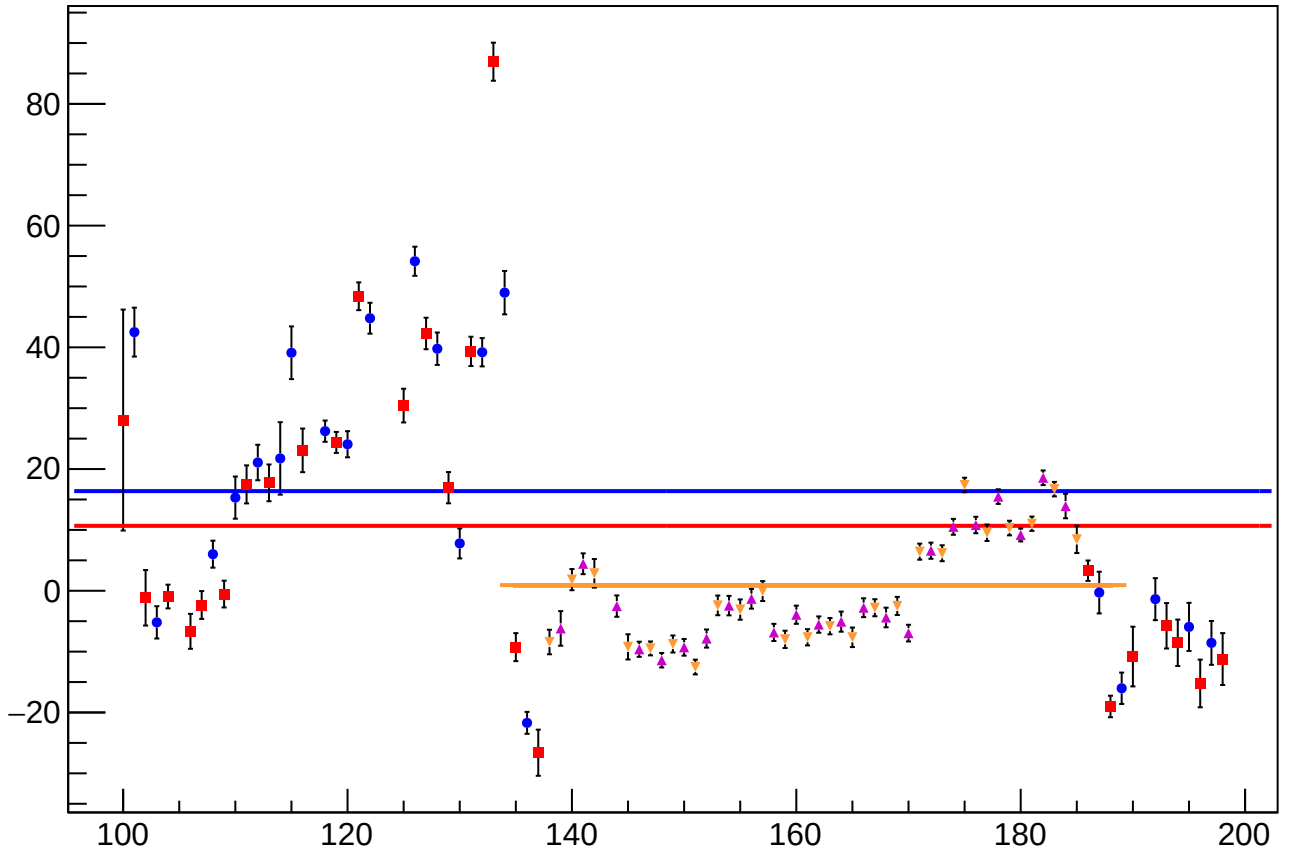
Right Out: 46.556+/-0.362 χ^2/NDF: 5916.1/24

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 22.392+/-0.270 χ^2/NDF: 16355.8/44

All: 23.490+/-0.182 χ^2/NDF: 31729.9/92

- sign 24.406+/-0.246 χ^2/NDF: 15343.8/47



Right In: 16.373+/-0.587 χ^2/NDF: 1583.6/20

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

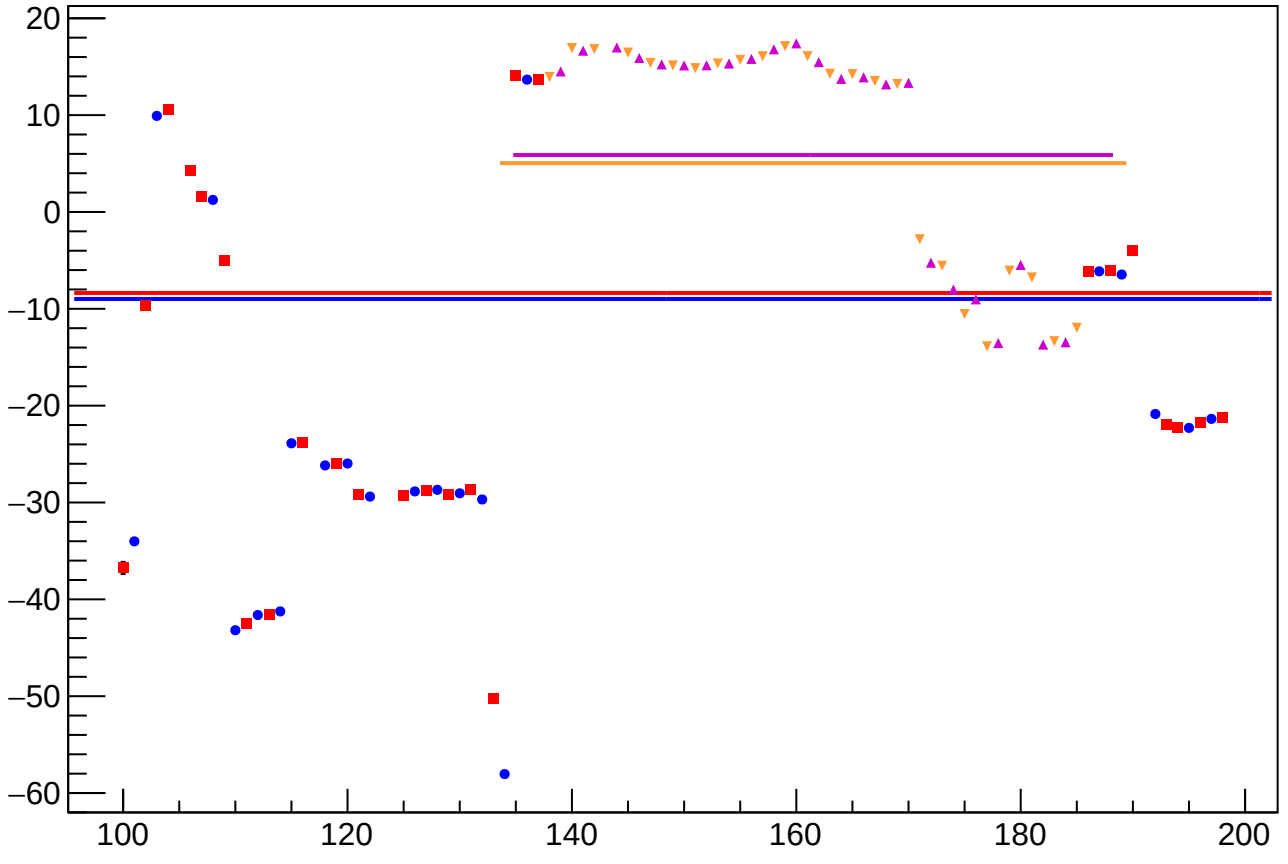
Right Out: 10.671+/-0.527 χ^2/NDF: 2047.5/24

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

\+ sign 3.988+/-0.261 χ^2/NDF: 3180.1/44

All: 3.610+/-0.184 χ^2/NDF: 6499.4/92

\- sign 3.239+/-0.259 χ^2/NDF: 3315.2/47



Right In: -8.983+/-0.029 χ^2/NDF: 451552.9/20

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

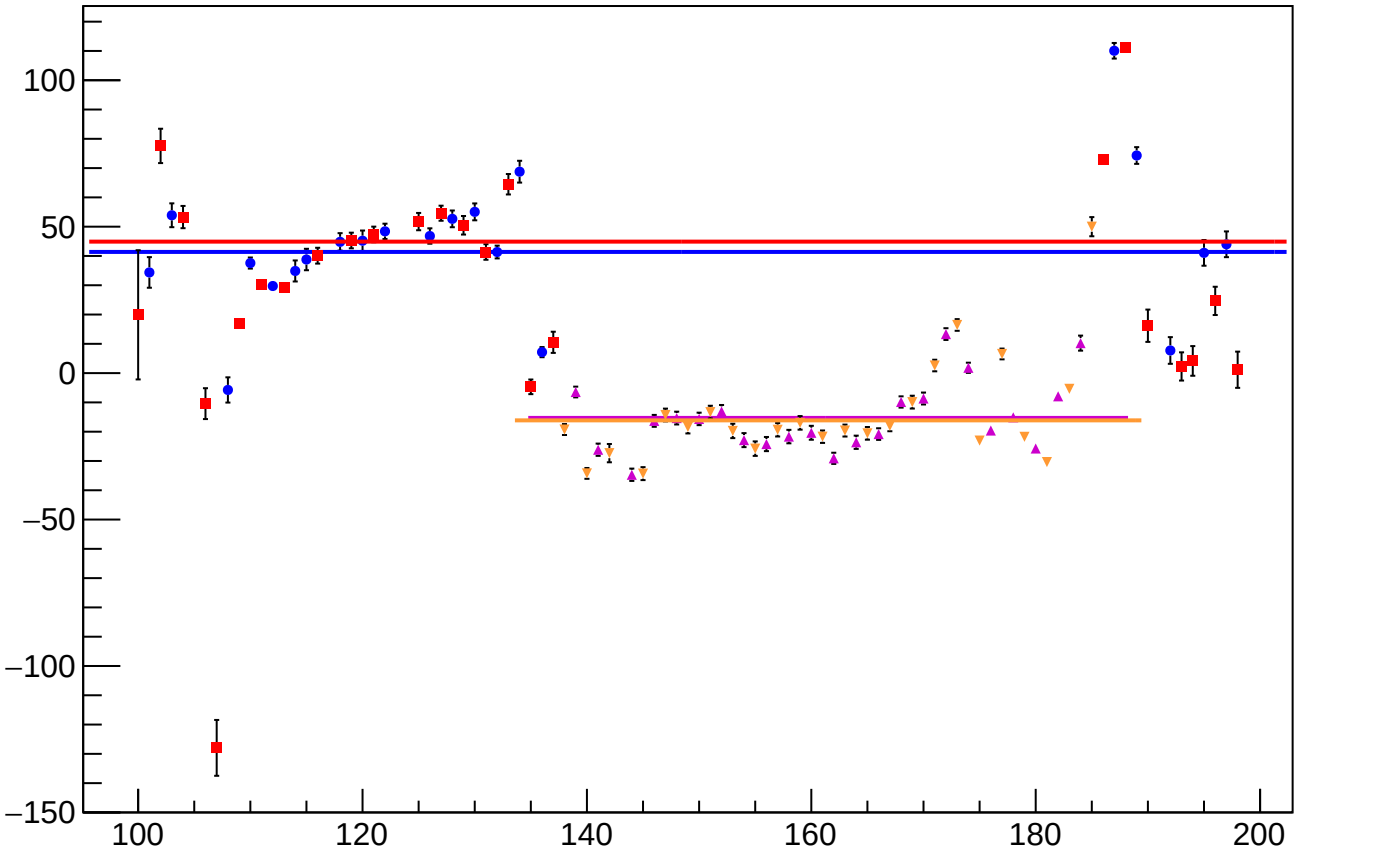
Right Out: -8.363+/-0.027 χ^2/NDF: 371553.6/24

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 2.632+/-0.012 χ^2/NDF: 1505252.1/44

All: 2.876+/-0.008 χ^2/NDF: 2952305.1/92

- sign 3.117+/-0.012 χ^2/NDF: 1446215.2/47



Right In: 41.378+/-0.605 χ^2/NDF: 1539.0/20

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.895+/-0.536 χ^2/NDF: 3943.4/24

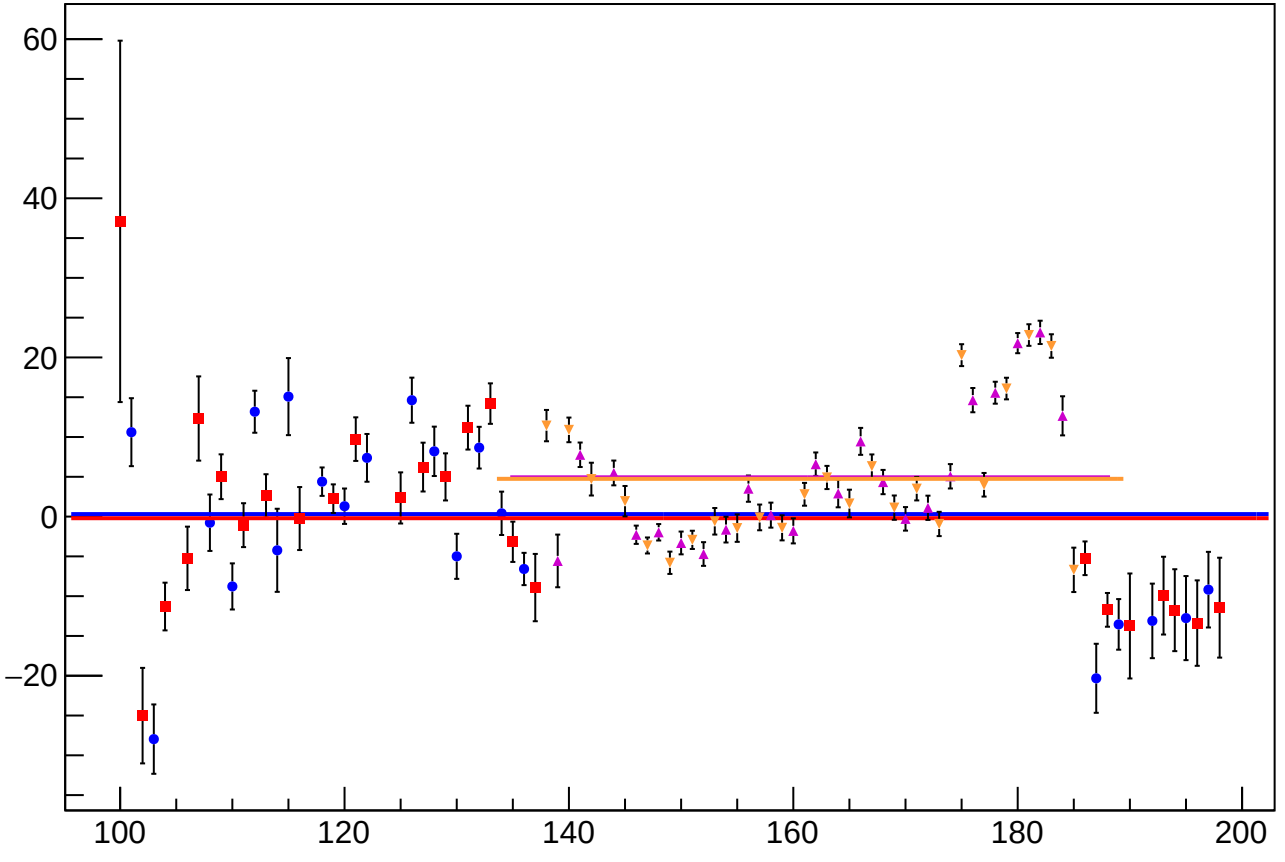
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 1.251+/-0.332 χ^2/NDF: 9218.3/44

All: 3.924+/-0.231 χ^2/NDF: 22094.0/92

- sign 6.438+/-0.322 χ^2/NDF: 12750.3/47

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 0.313+/-0.658 χ^2/NDF: 219.7/20

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -0.204+/-0.625 χ^2/NDF: 180.7/24

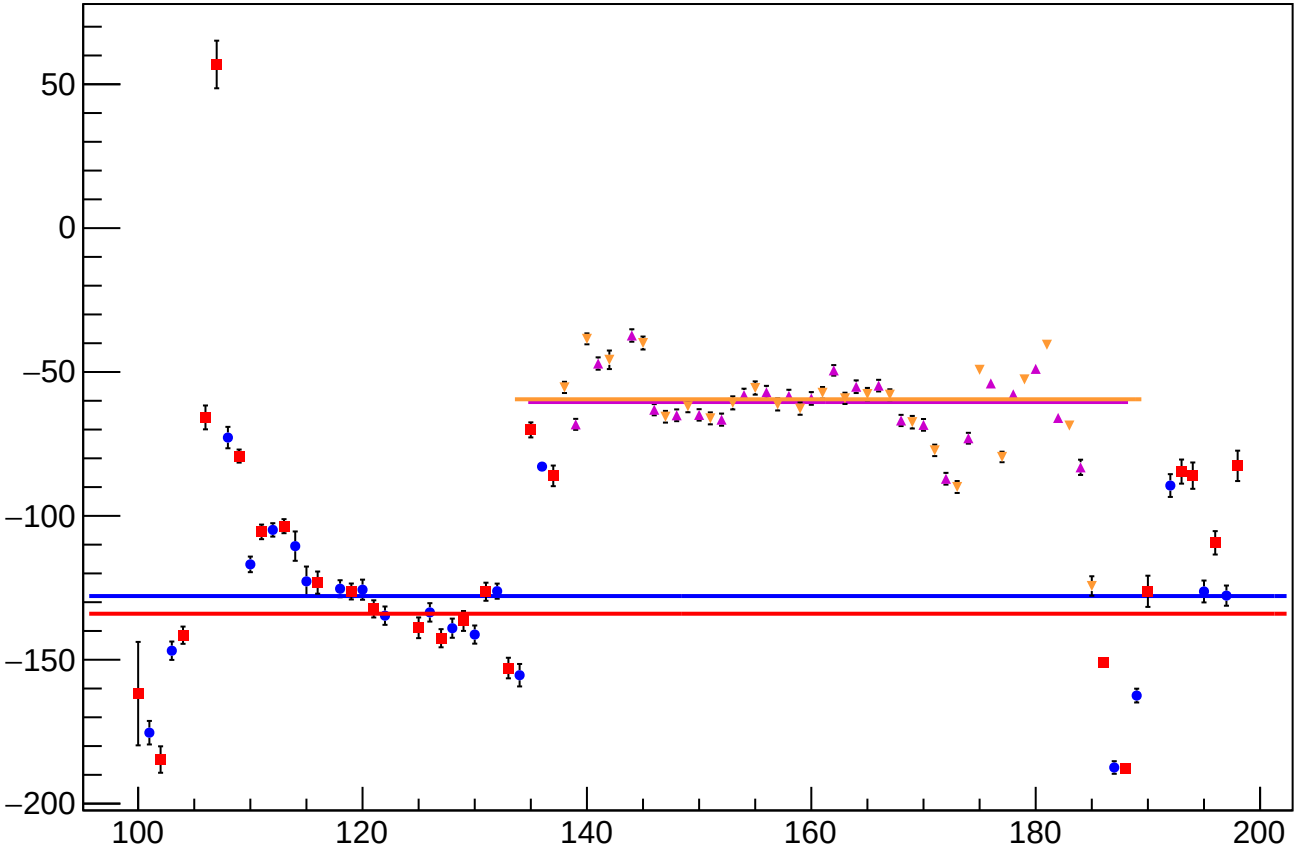
Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.954+/-0.278 χ^2/NDF: 1050.7/44

All: 3.929+/-0.197 χ^2/NDF: 1974.0/92

- sign 3.904+/-0.280 χ^2/NDF: 923.2/47

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -127.866+/-0.653 χ^2/NDF: 2306.2/20

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

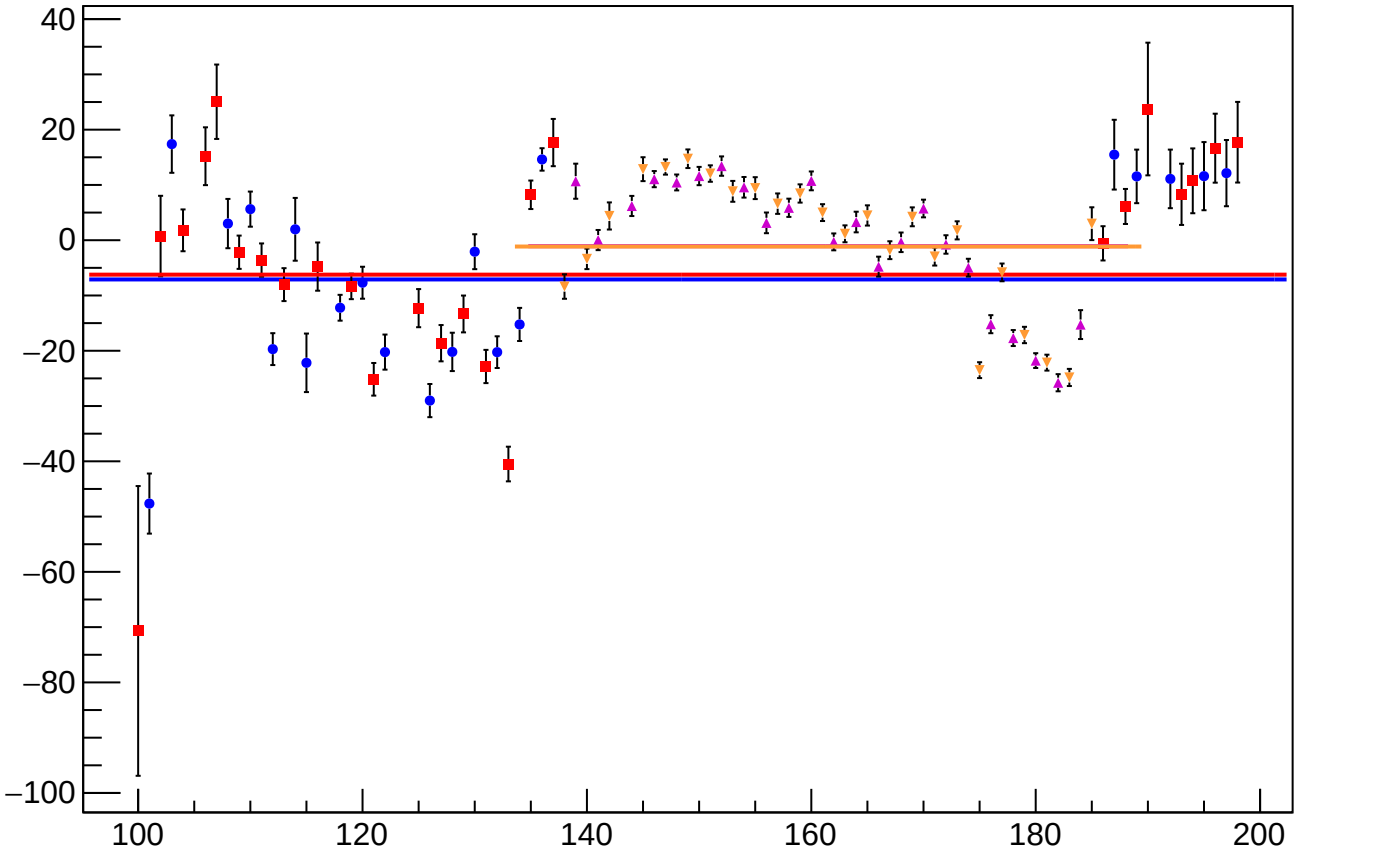
Right Out: -134.007+/-0.562 χ^2/NDF: 5109.3/24

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -77.778+/-0.338 χ^2/NDF: 11701.2/44

All: -81.594+/-0.234 χ^2/NDF: 29110.5/92

\- sign -85.135+/-0.326 χ^2/NDF: 17163.5/47



Right In: -7.099+/-0.759 χ^2/NDF: 422.7/20

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

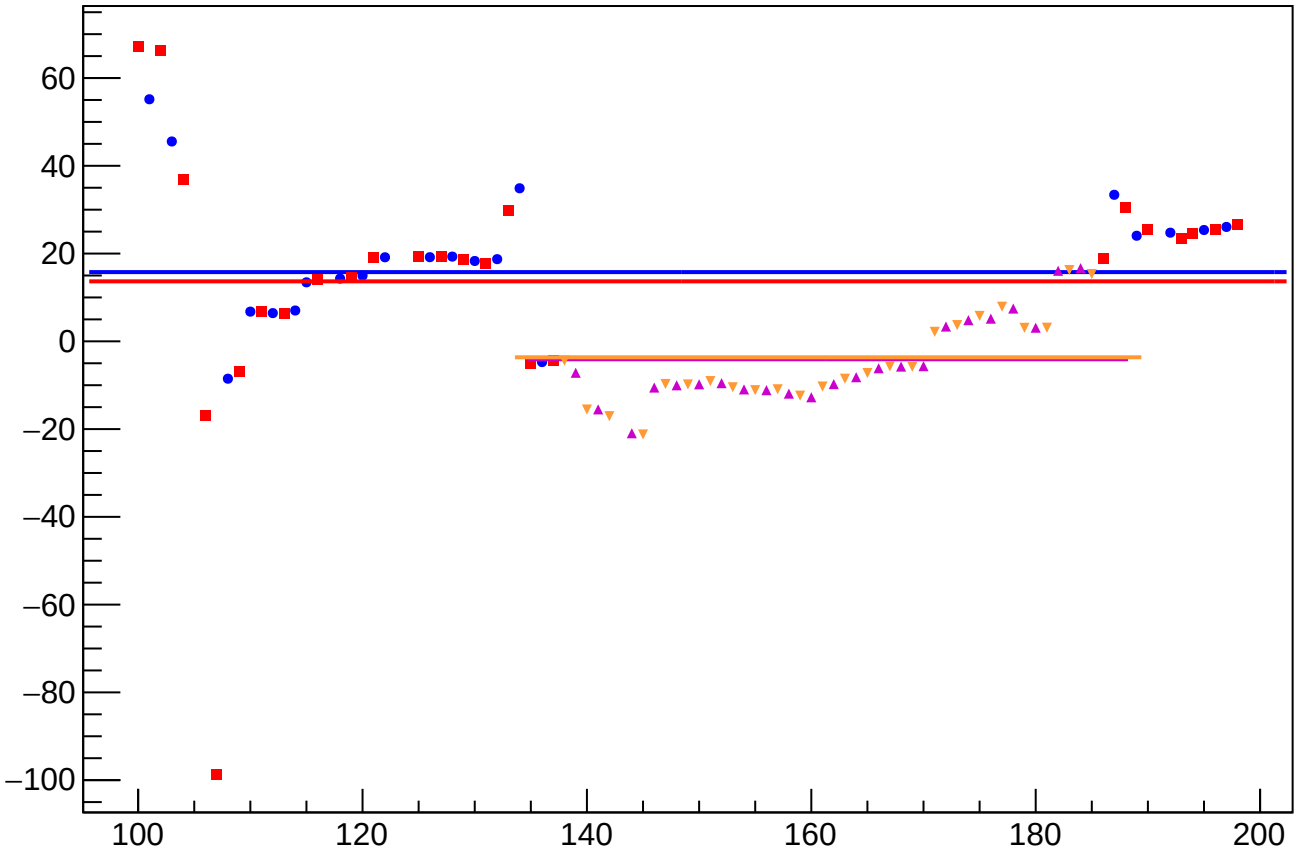
Right Out: -6.230+/-0.737 χ^2/NDF: 393.6/24

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.167+/-0.314 χ^2/NDF: 1776.7/44

All: -2.103+/-0.223 χ^2/NDF: 3367.5/92

- sign -2.037+/-0.317 χ^2/NDF: 1590.7/47



Right In: 15.775+/-0.041 χ^2/NDF: 198381.6/20

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

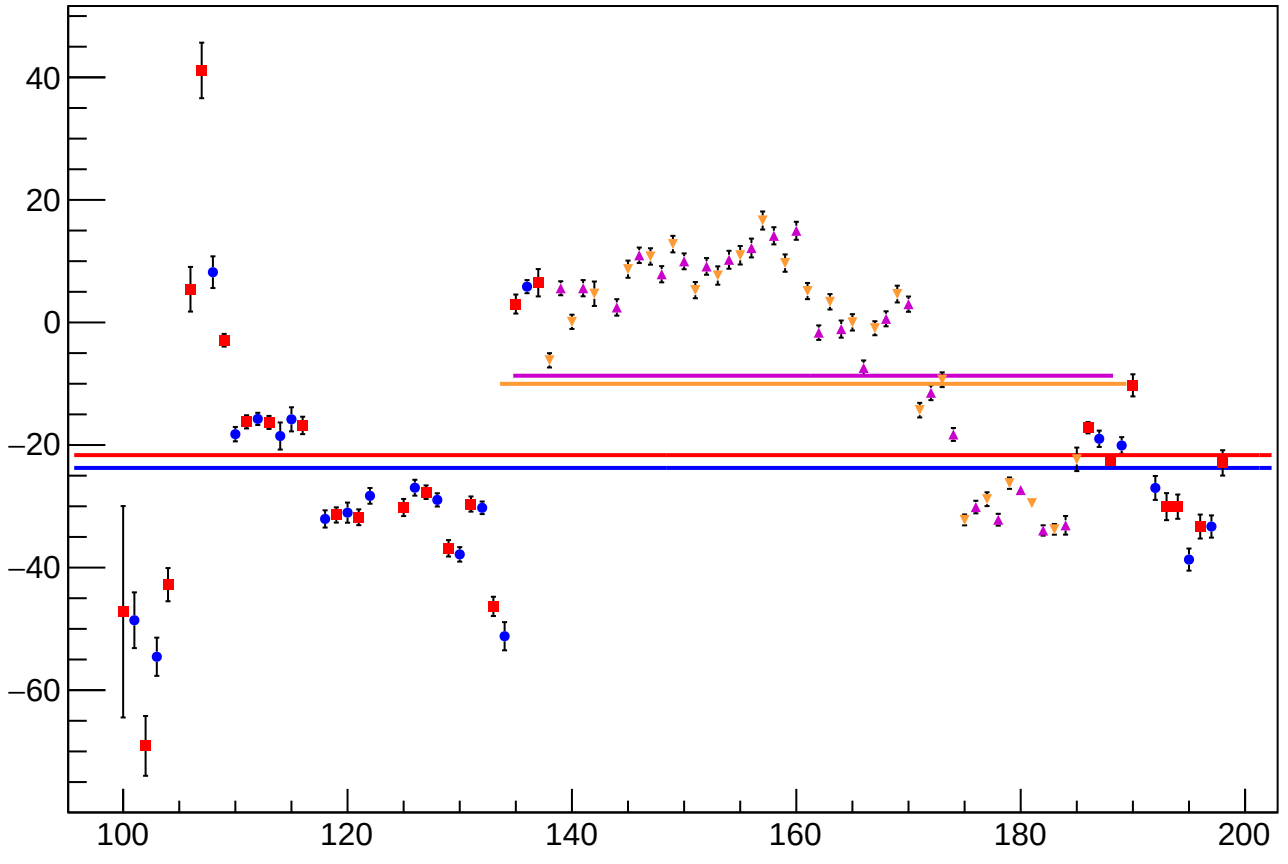
Right Out: 13.666+/-0.040 χ^2/NDF: 327640.9/24

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -1.191+/-0.014 χ^2/NDF: 743341.9/44

All: -1.477+/-0.010 χ^2/NDF: 1576340.6/92

- sign -1.764+/-0.014 χ^2/NDF: 832211.3/47



Right In: -23.736+/-0.314 χ^2/NDF: 1689.1/20

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

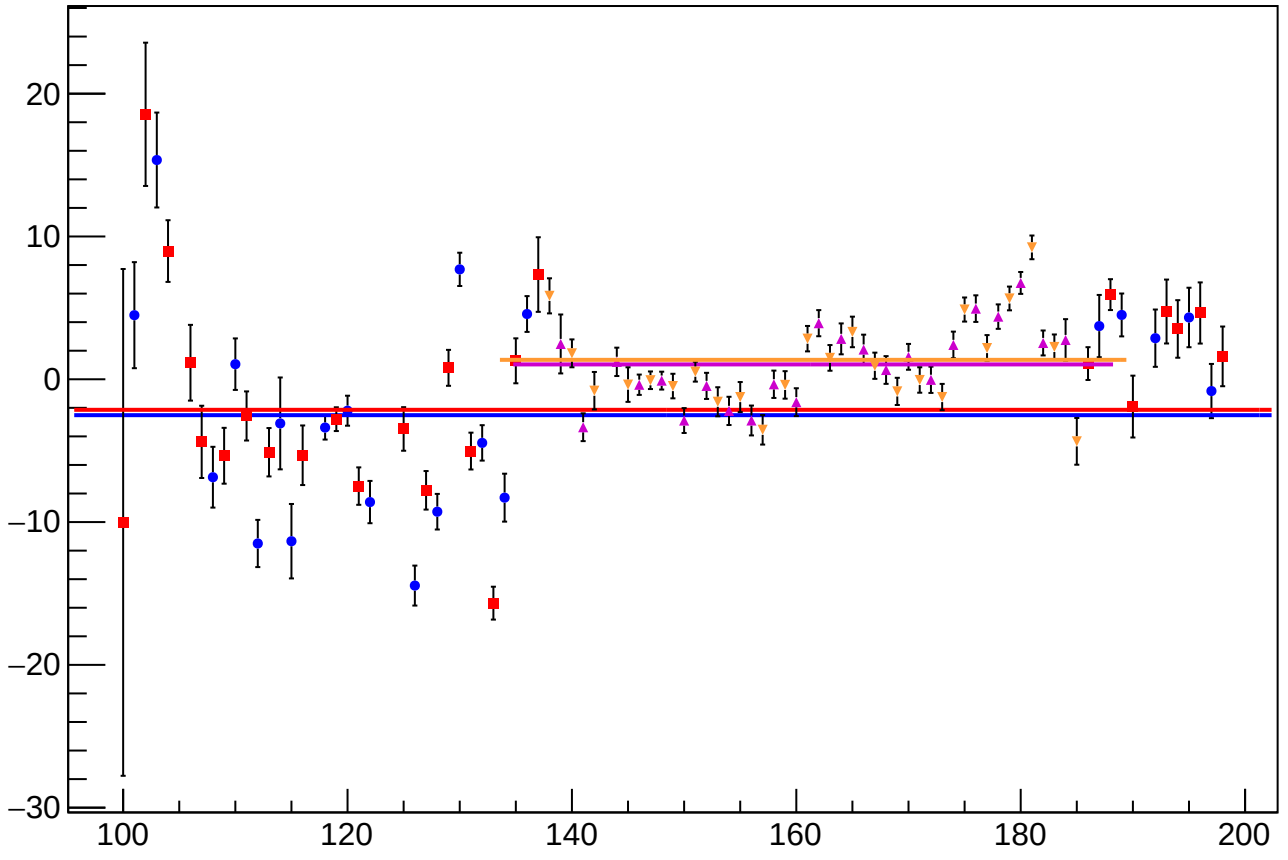
Right Out: -21.647+/-0.284 χ^2/NDF: 1946.7/24

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -15.182+/-0.193 χ^2/NDF: 7854.9/44

All: -14.722+/-0.134 χ^2/NDF: 16017.6/92

- sign -14.290+/-0.187 χ^2/NDF: 8151.6/47



Right In: -2.514+/-0.333 χ^2/NDF: 373.6/20

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

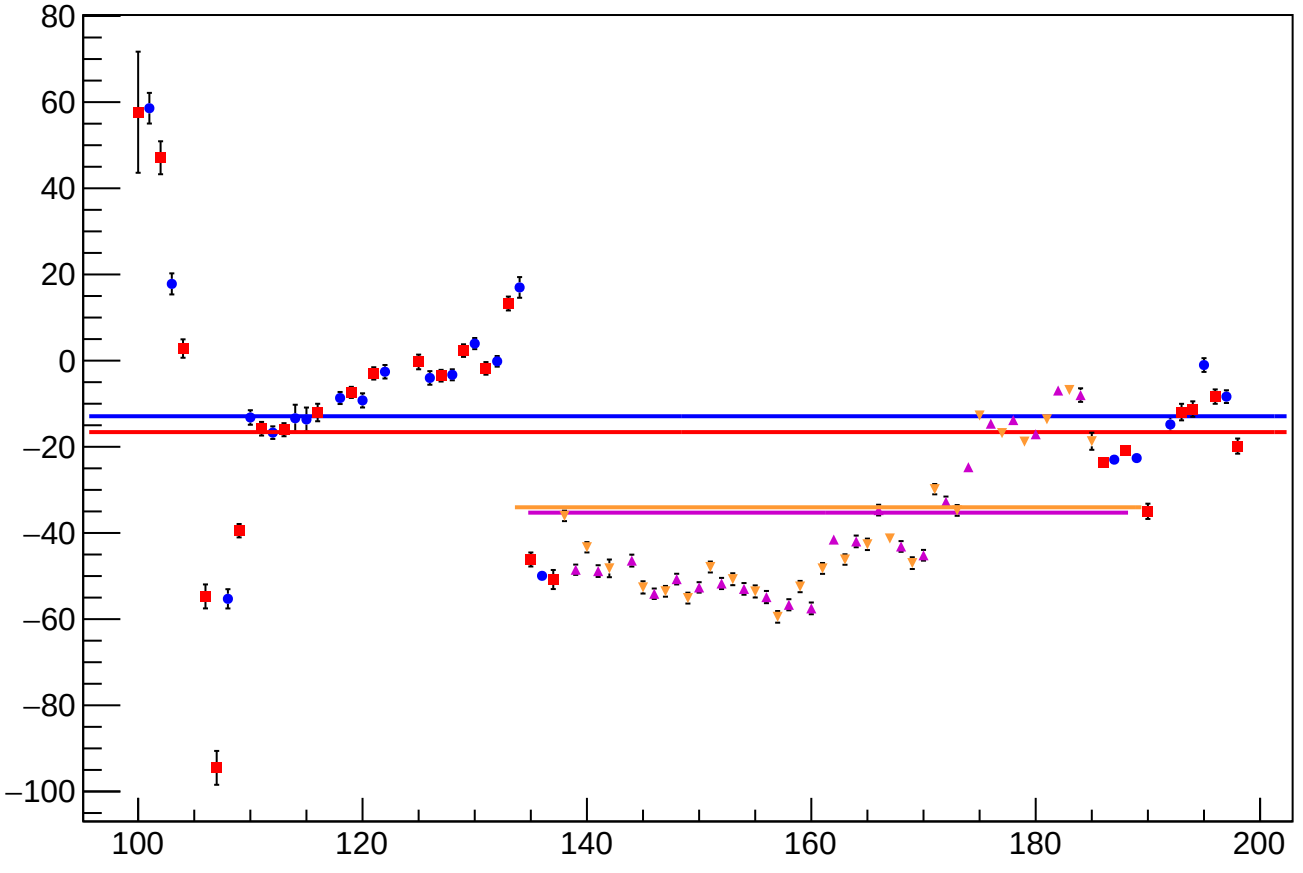
Right Out: -2.139+/-0.316 χ^2/NDF: 350.6/24

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.422+/-0.164 χ^2/NDF: 716.5/44

All: 0.302+/-0.116 χ^2/NDF: 1338.0/92

- sign 0.182+/-0.164 χ^2/NDF: 620.4/47



Right In: -12.907+/-0.336 χ^2/NDF: 2896.4/20

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

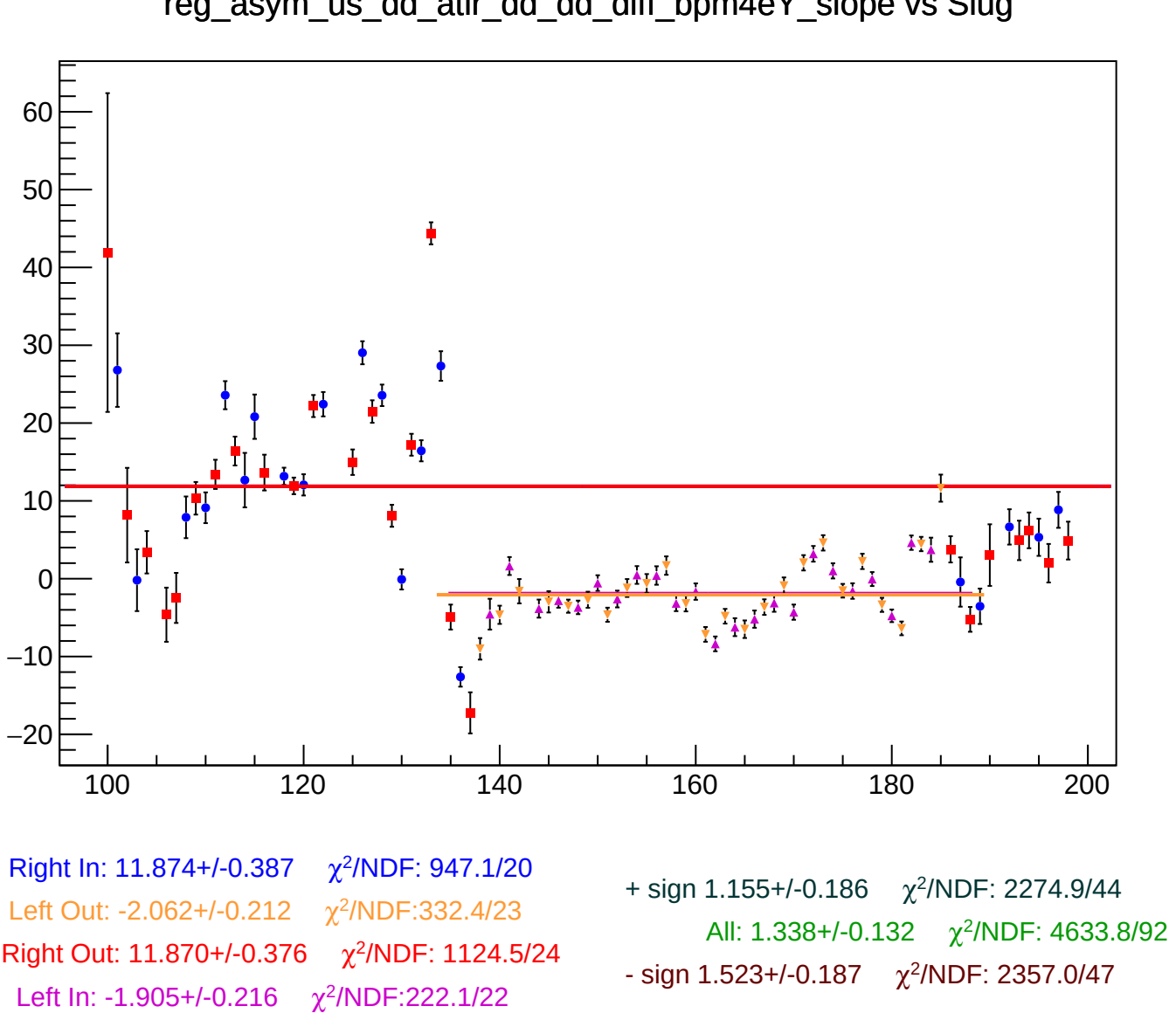
Right Out: -16.588+/-0.290 χ^2/NDF: 2991.0/24

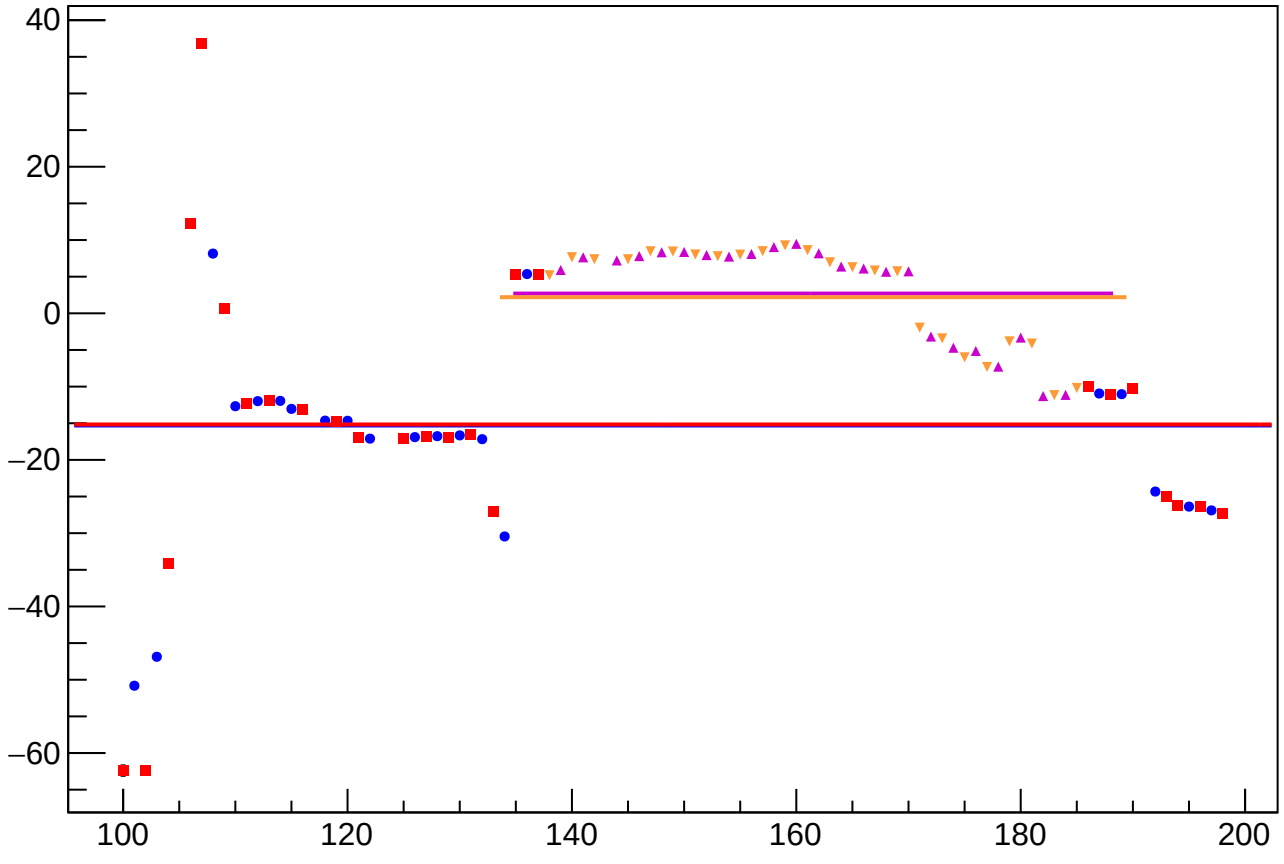
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -26.805+/-0.197 χ^2/NDF: 10459.5/44

All: -27.166+/-0.136 χ^2/NDF: 20873.6/92

\- sign -27.493+/-0.187 χ^2/NDF: 10407.7/47


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 11.874+/-0.387 χ²/NDF: 947.1/20
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 11.870+/-0.376 χ²/NDF: 1124.5/24
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
+ sign 1.155+/-0.186 χ²/NDF: 2274.9/44
All: 1.338+/-0.132 χ²/NDF: 4633.8/92
- sign 1.523+/-0.187 χ²/NDF: 2357.0/47



Right In: -15.304+/-0.022 χ^2/NDF: 446772.8/20

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -15.169+/-0.021 χ^2/NDF: 528954.3/24

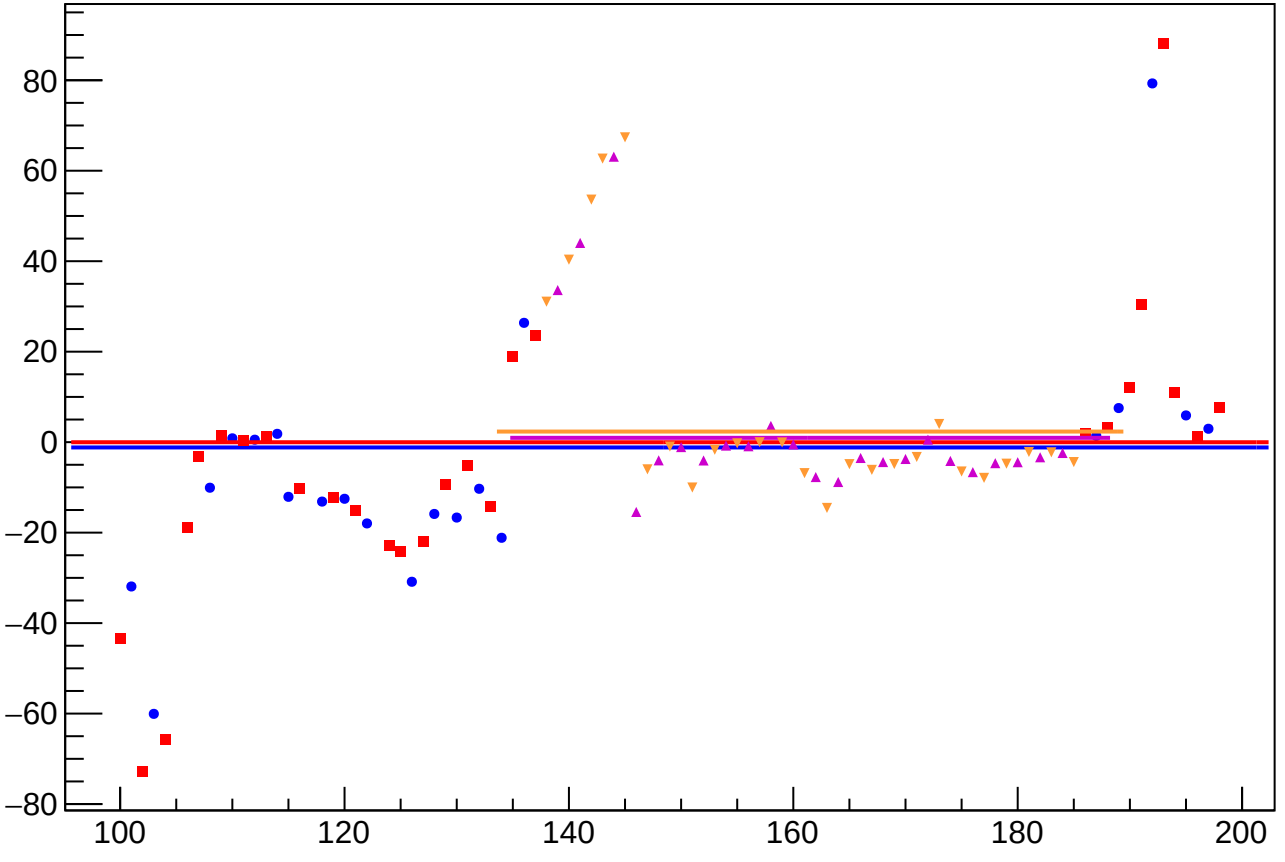
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

+ sign -0.653+/-0.009 χ^2/NDF: 1508814.5/44

All: -0.567+/-0.006 χ^2/NDF: 3158477.2/92

- sign -0.482+/-0.009 χ^2/NDF: 1649467.3/47

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -1.171+/-0.047 χ^2/NDF: 112735.6/20

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -0.019+/-0.039 χ^2/NDF: 115902.0/26

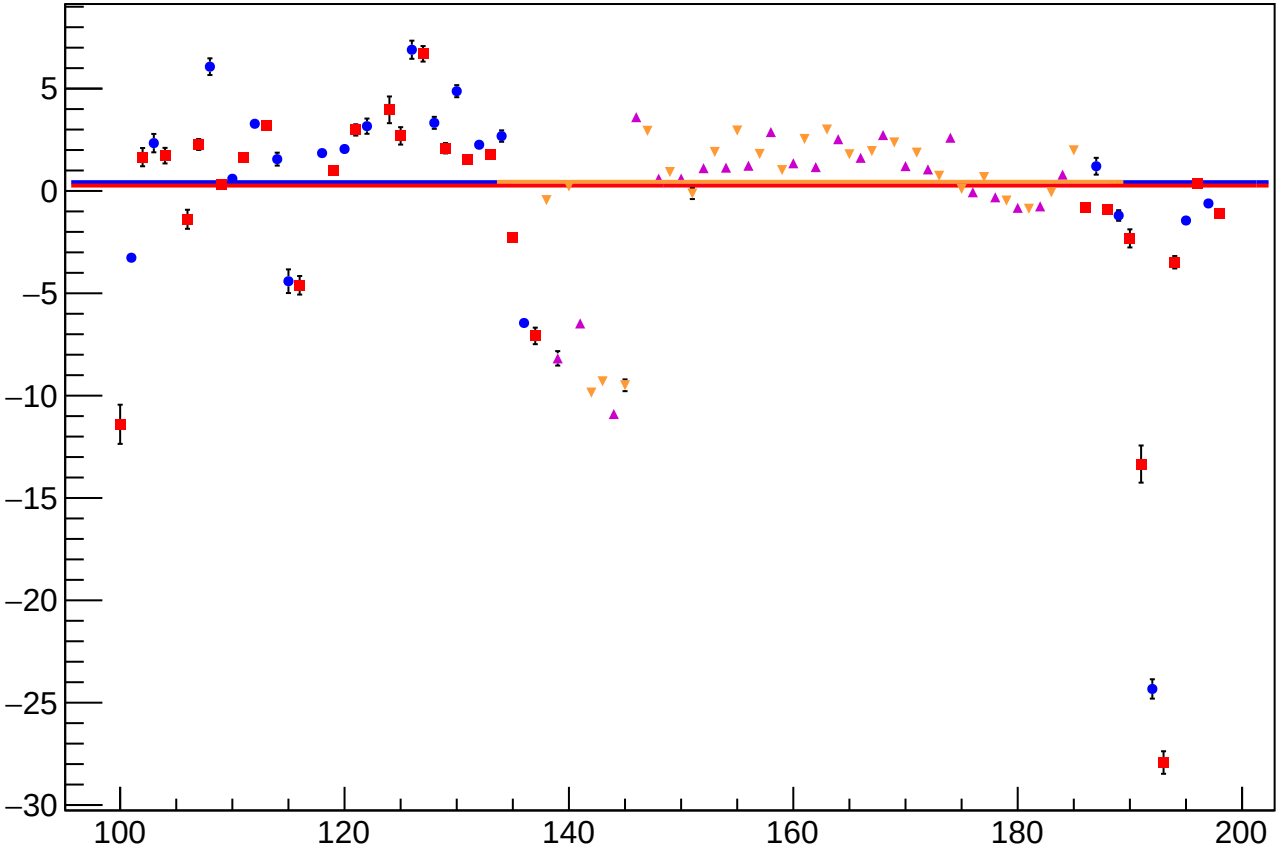
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.863+/-0.031 χ^2/NDF: 292923.3/45

All: 0.640+/-0.021 χ^2/NDF: 541748.8/95

- sign 0.456+/-0.028 χ^2/NDF: 248728.8/49

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.429+/-0.053 χ^2/NDF: 5656.9/20

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.264+/-0.048 χ^2/NDF: 4952.8/26

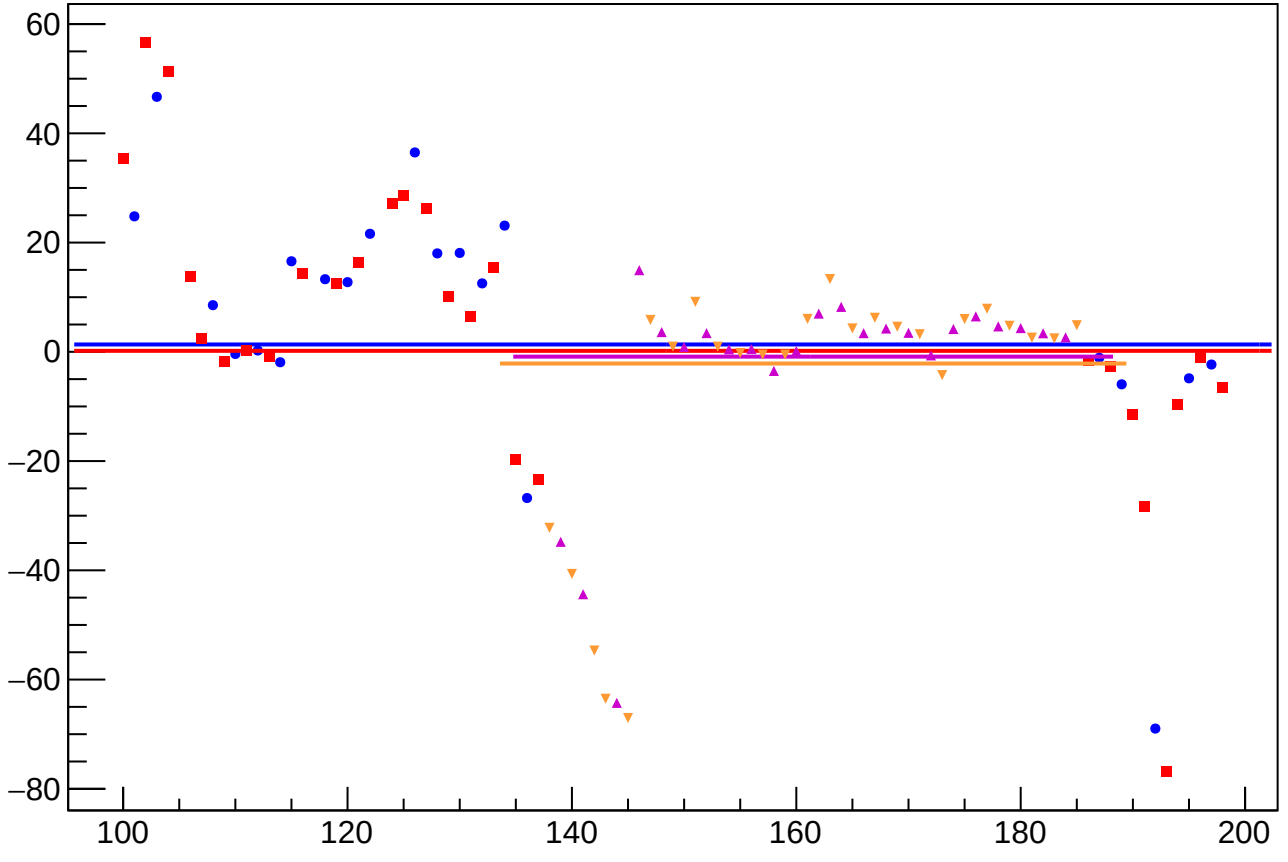
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.441+/-0.028 χ^2/NDF: 12701.4/45

All: 0.408+/-0.019 χ^2/NDF: 24767.1/95

- sign 0.379+/-0.026 χ^2/NDF: 12063.1/49

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 1.348+/-0.050 χ^2/NDF: 111794.9/20

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 0.182+/-0.042 χ^2/NDF: 114353.4/26

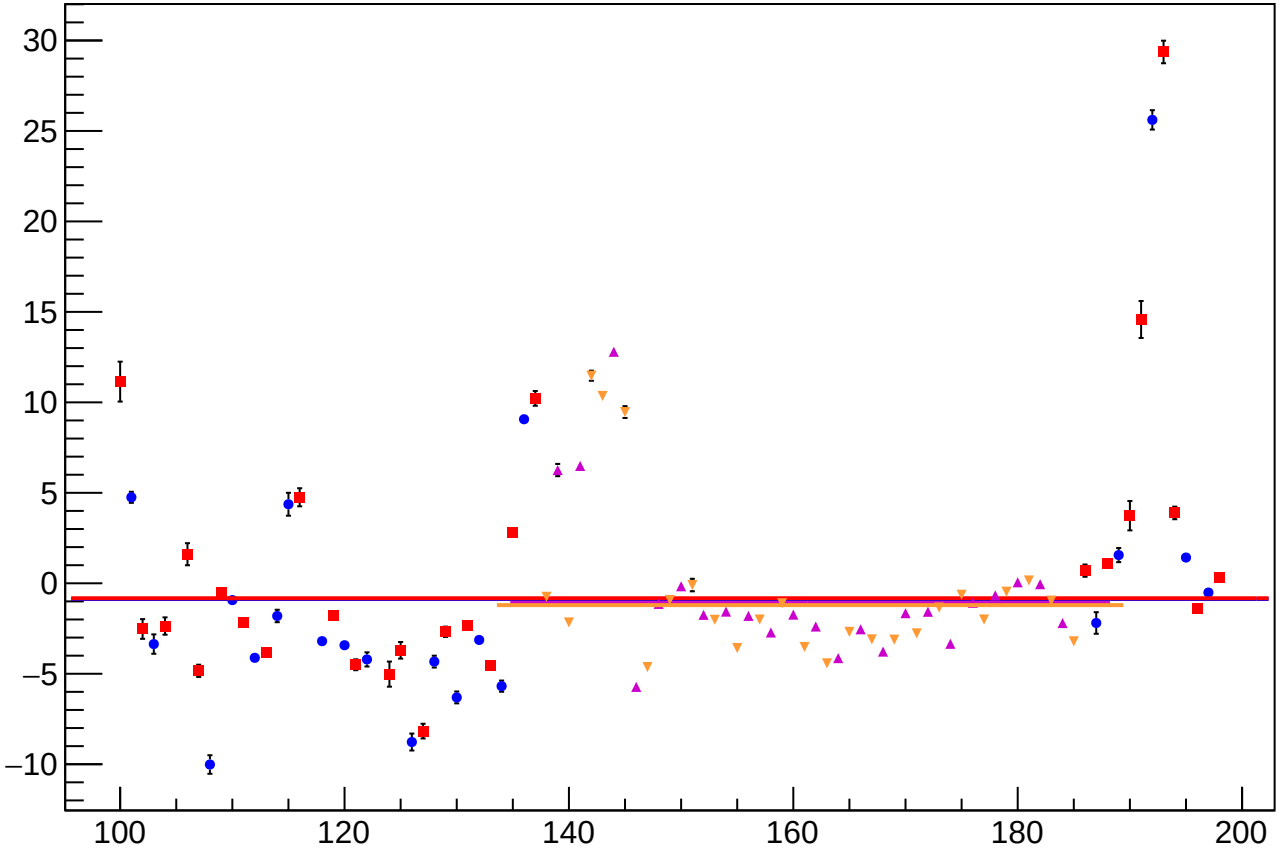
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -0.773+/-0.031 χ^2/NDF: 286017.7/45

All: -0.562+/-0.021 χ^2/NDF: 529993.5/95

- sign -0.385+/-0.029 χ^2/NDF: 243892.4/49

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.869+/-0.062 χ^2/NDF: 7236.5/20

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

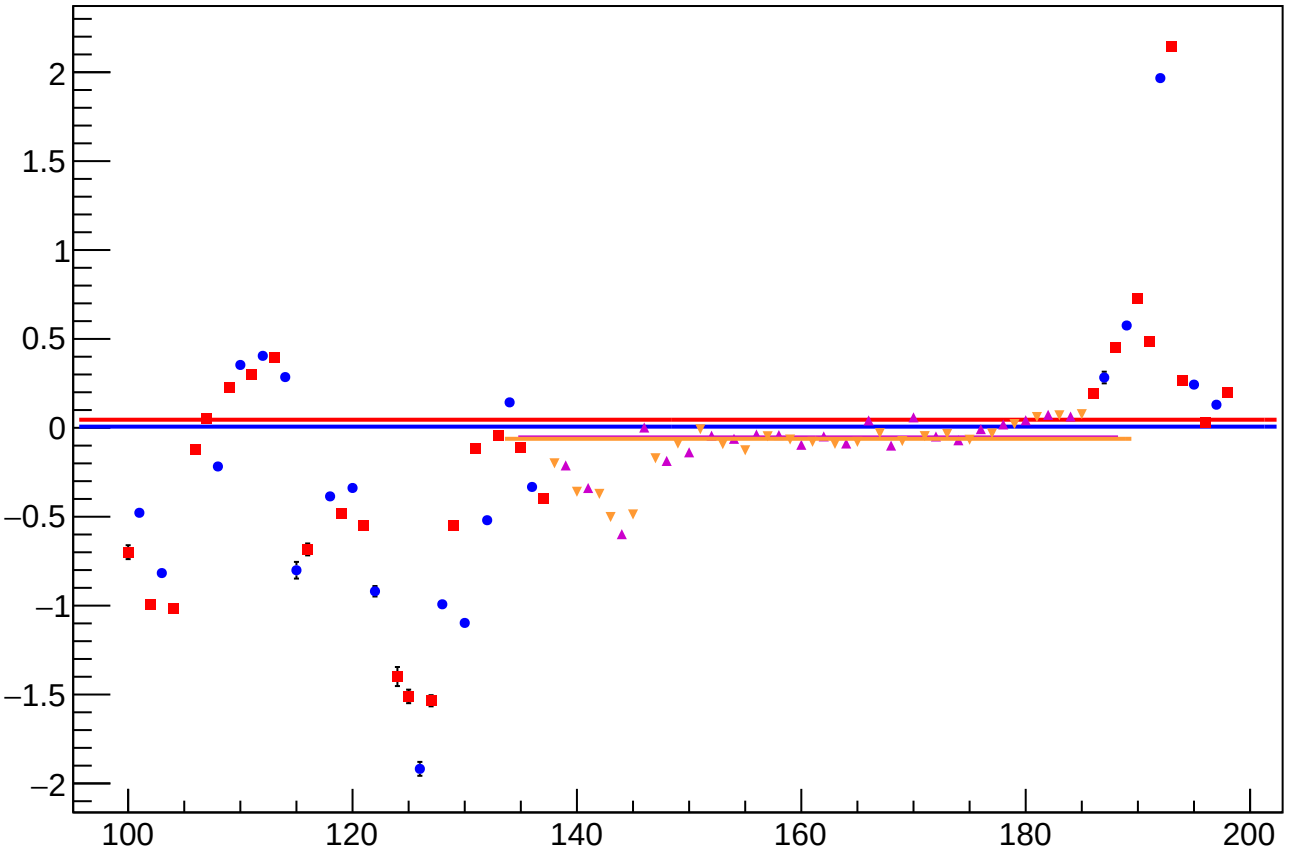
Right Out: -0.827+/-0.056 χ^2/NDF: 5520.3/26

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.120+/-0.031 χ^2/NDF: 14261.5/45

All: -1.067+/-0.022 χ^2/NDF: 26832.4/95

- sign -1.020+/-0.030 χ^2/NDF: 12565.5/49



Right In: 0.007+/-0.003 χ^2/NDF: 32532.5/20

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.046+/-0.003 χ^2/NDF: 33240.1/26

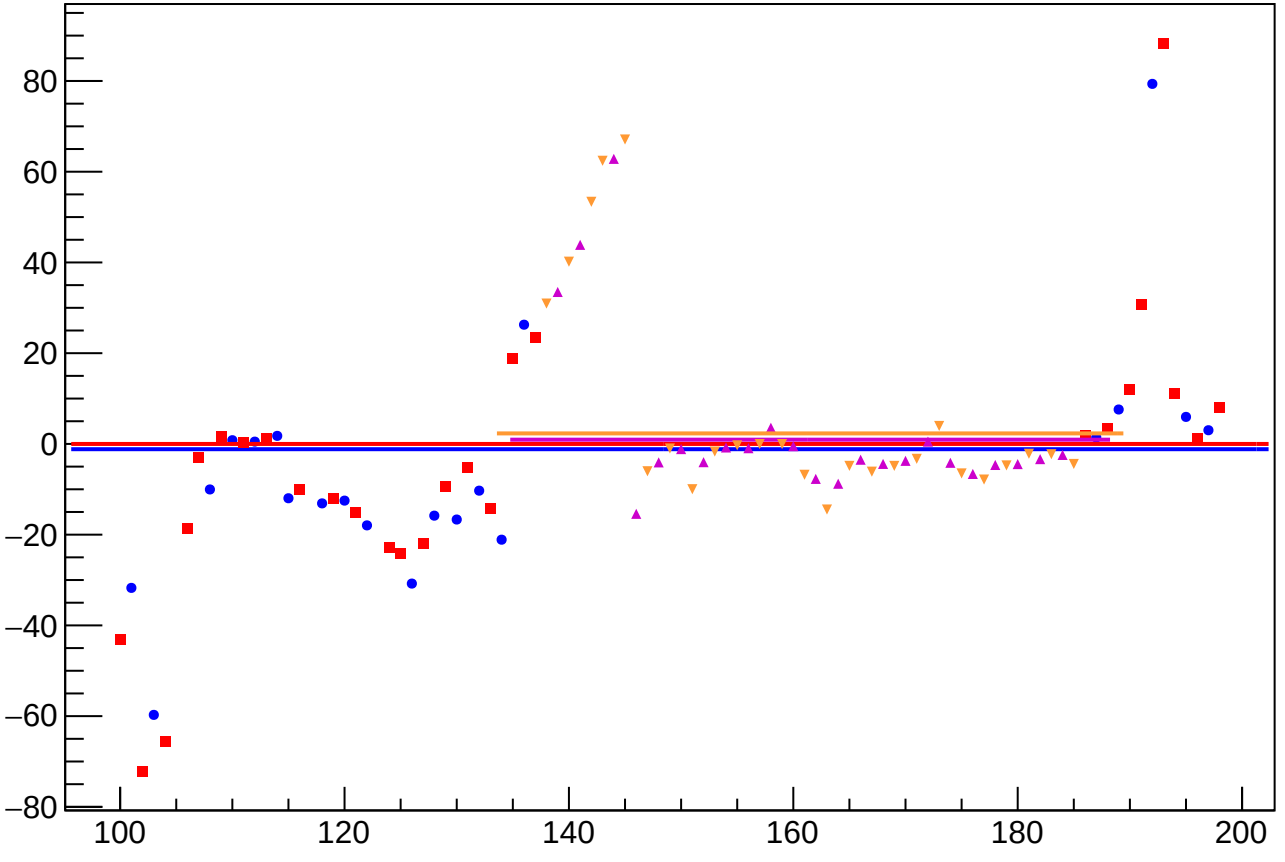
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.047+/-0.001 χ^2/NDF: 38631.5/45

All: -0.039+/-0.001 χ^2/NDF: 77948.5/95

- sign -0.032+/-0.001 χ^2/NDF: 39251.8/49

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -1.163+/-0.047 χ^2/NDF: 113100.4/20

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -0.005+/-0.039 χ^2/NDF: 116364.0/26

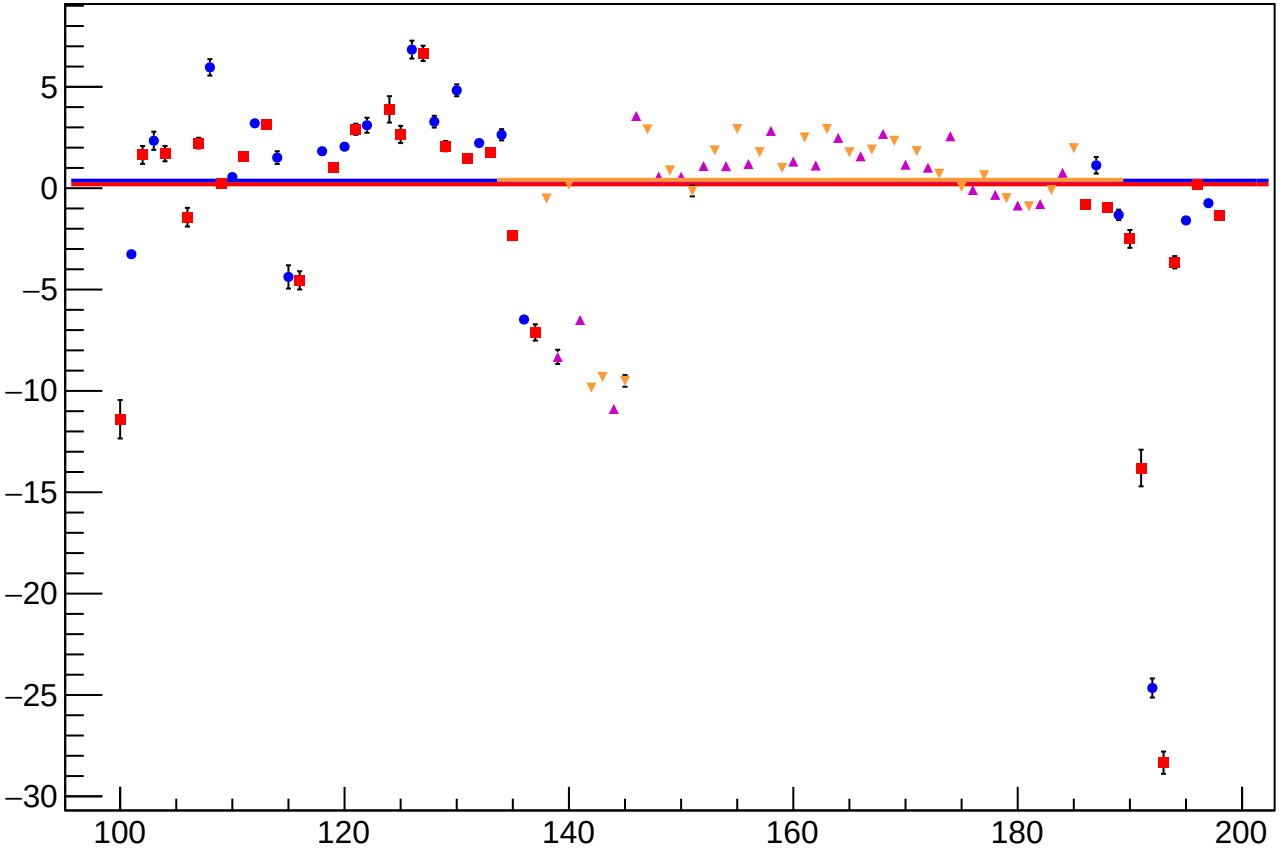
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.849+/-0.031 χ^2/NDF: 293021.1/45

All: 0.631+/-0.021 χ^2/NDF: 542171.5/95

- sign 0.450+/-0.028 χ^2/NDF: 249056.9/49

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.372+/-0.053 χ^2/NDF: 5767.1/20

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.190+/-0.048 χ^2/NDF: 5107.4/26

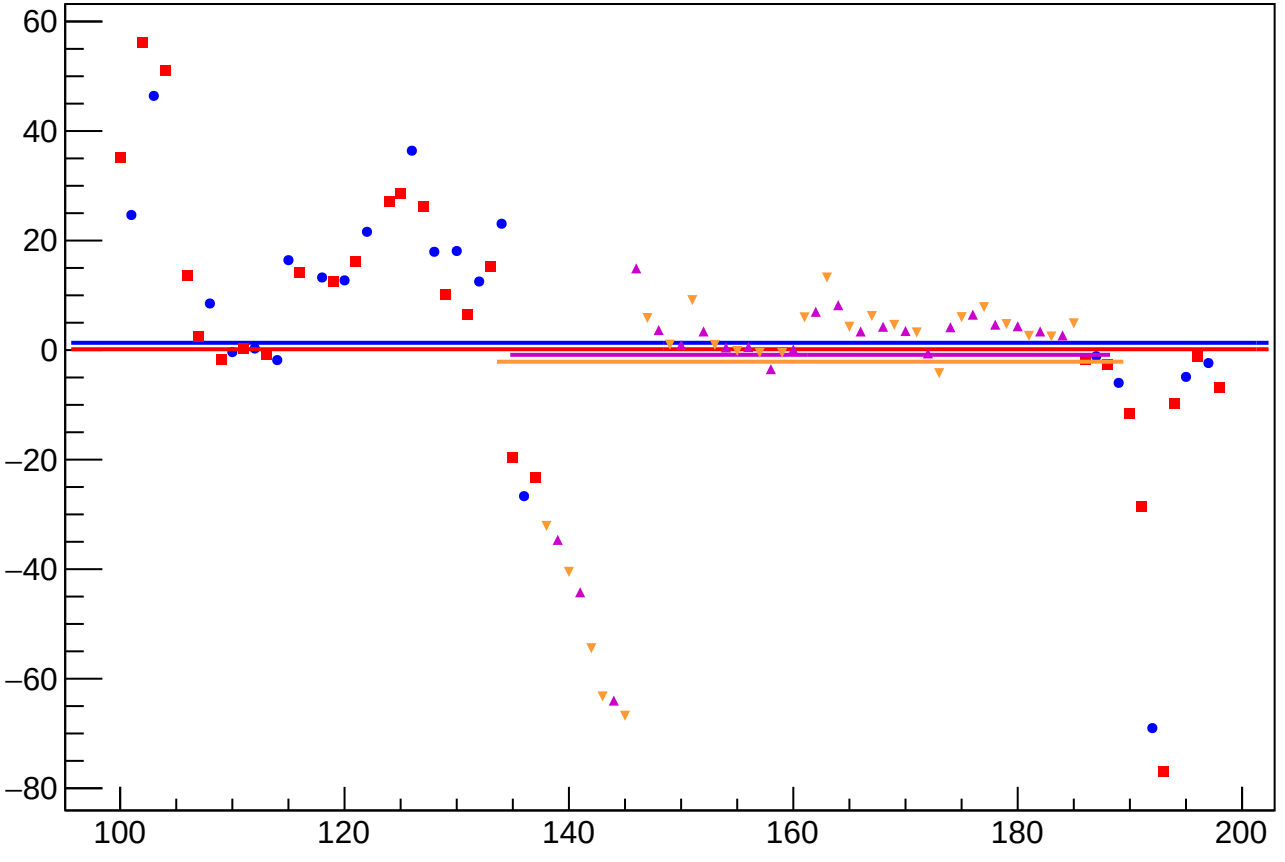
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.402+/-0.028 χ^2/NDF: 12814.8/45

All: 0.364+/-0.019 χ^2/NDF: 25052.0/95

- sign 0.329+/-0.026 χ^2/NDF: 12233.7/49

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 1.335+/-0.050 χ^2/NDF: 112150.9/20

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 0.159+/-0.042 χ^2/NDF: 114811.8/26

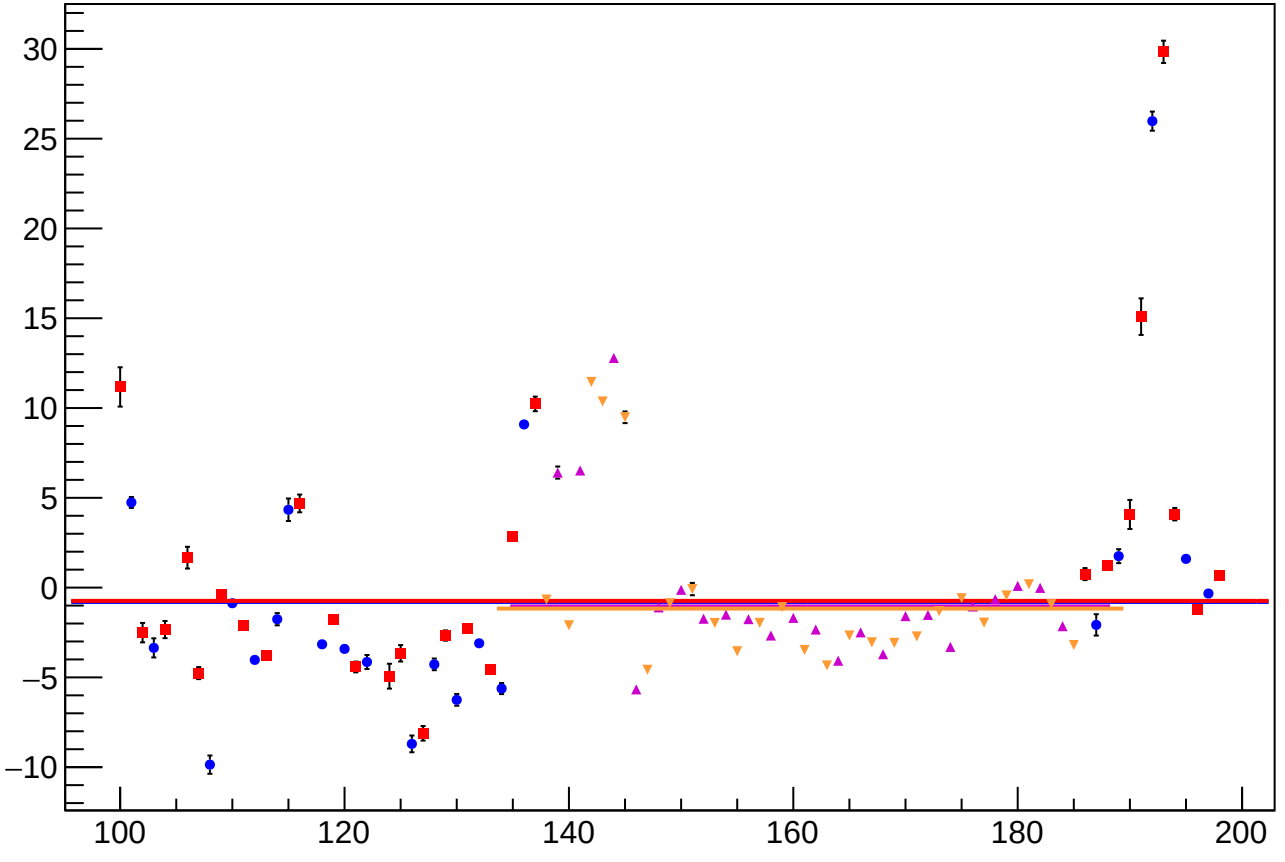
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -0.761+/-0.031 χ^2/NDF: 286106.0/45

All: -0.554+/-0.021 χ^2/NDF: 530398.8/95

- sign -0.381+/-0.029 χ^2/NDF: 244212.3/49

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.799+/-0.062 χ^2/NDF: 7335.1/20

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.738+/-0.056 χ^2/NDF: 5666.0/26

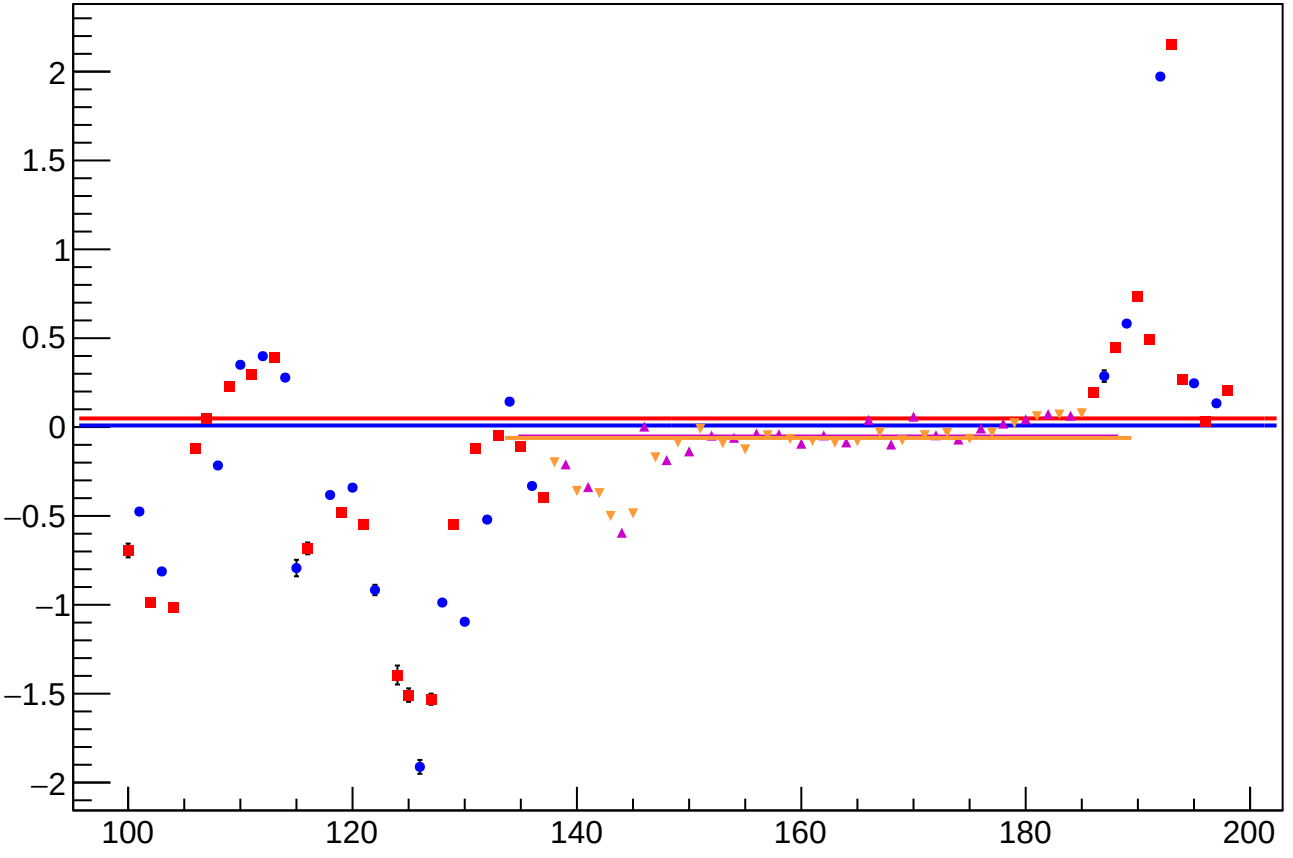
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.073+/-0.031 χ^2/NDF: 14363.0/45

All: -1.015+/-0.021 χ^2/NDF: 27098.4/95

- sign -0.963+/-0.030 χ^2/NDF: 12728.8/49

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.009+/-0.003 χ^2/NDF: 32789.5/20

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.049+/-0.003 χ^2/NDF: 33545.2/26

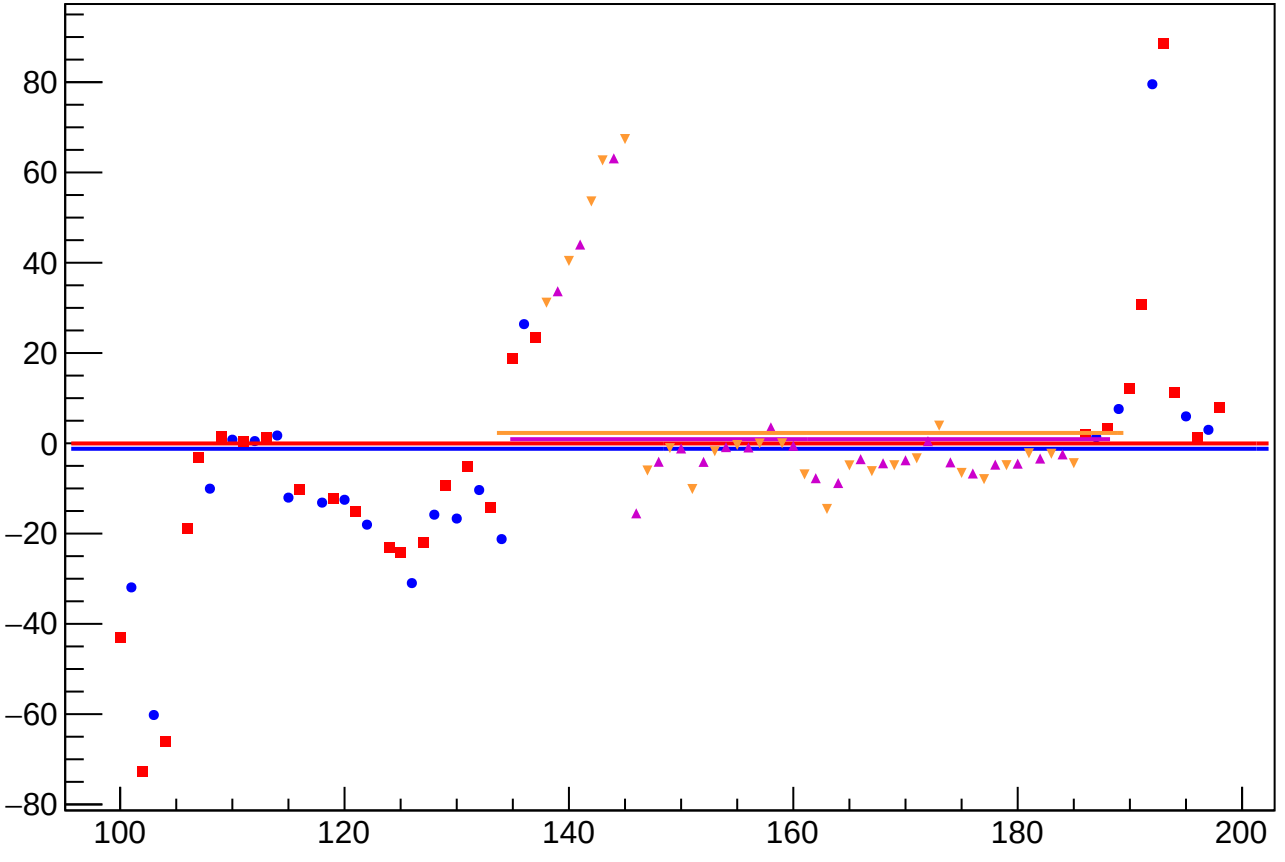
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.047+/-0.001 χ^2/NDF: 38929.4/45

All: -0.038+/-0.001 χ^2/NDF: 78585.8/95

- sign -0.030+/-0.001 χ^2/NDF: 39586.4/49

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -1.213+/-0.047 χ^2/NDF: 113084.3/20

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -0.033+/-0.039 χ^2/NDF: 116379.4/26

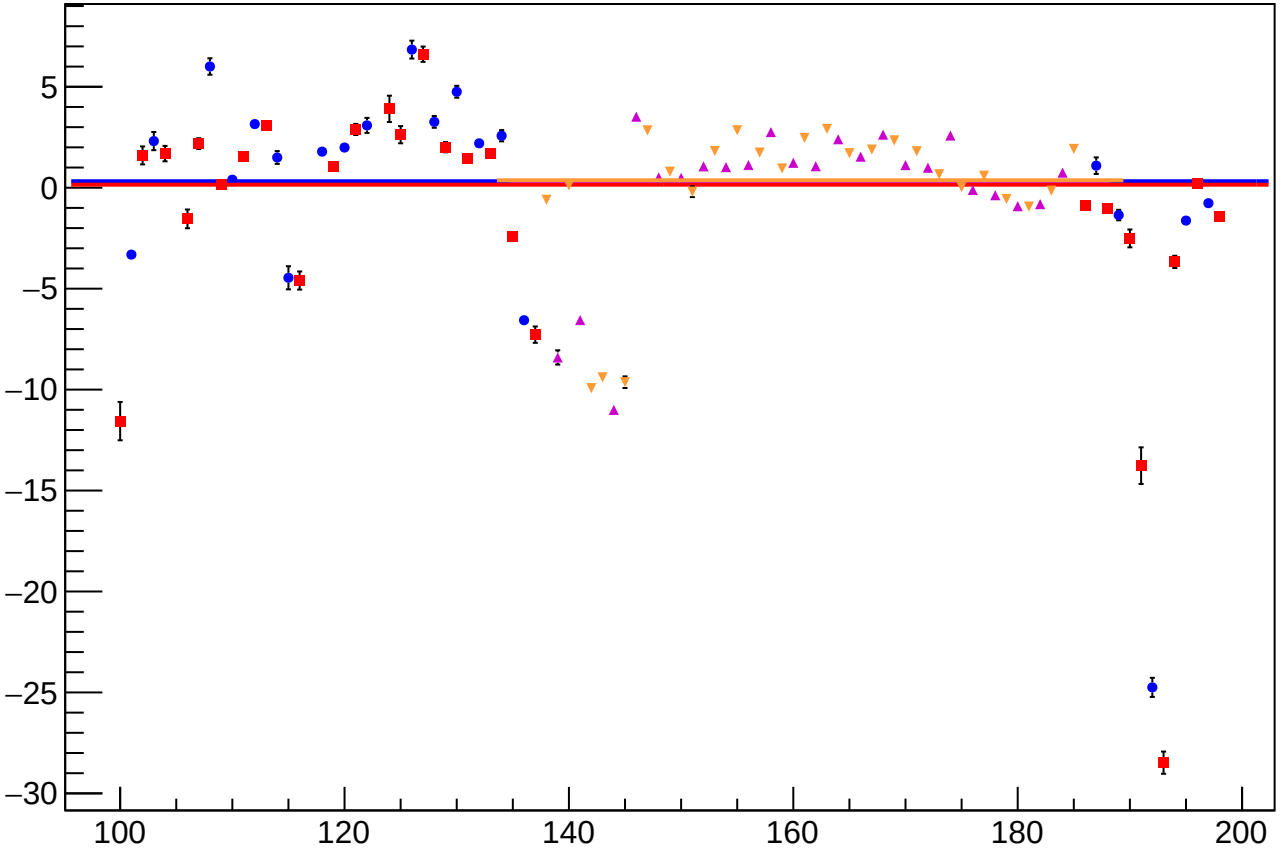
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.819+/-0.031 χ^2/NDF: 293461.6/45

All: 0.604+/-0.021 χ^2/NDF: 542793.1/95

- sign 0.426+/-0.028 χ^2/NDF: 249241.3/49

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.321+/-0.053 χ^2/NDF: 5757.9/20

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.150+/-0.048 χ^2/NDF: 5108.1/26

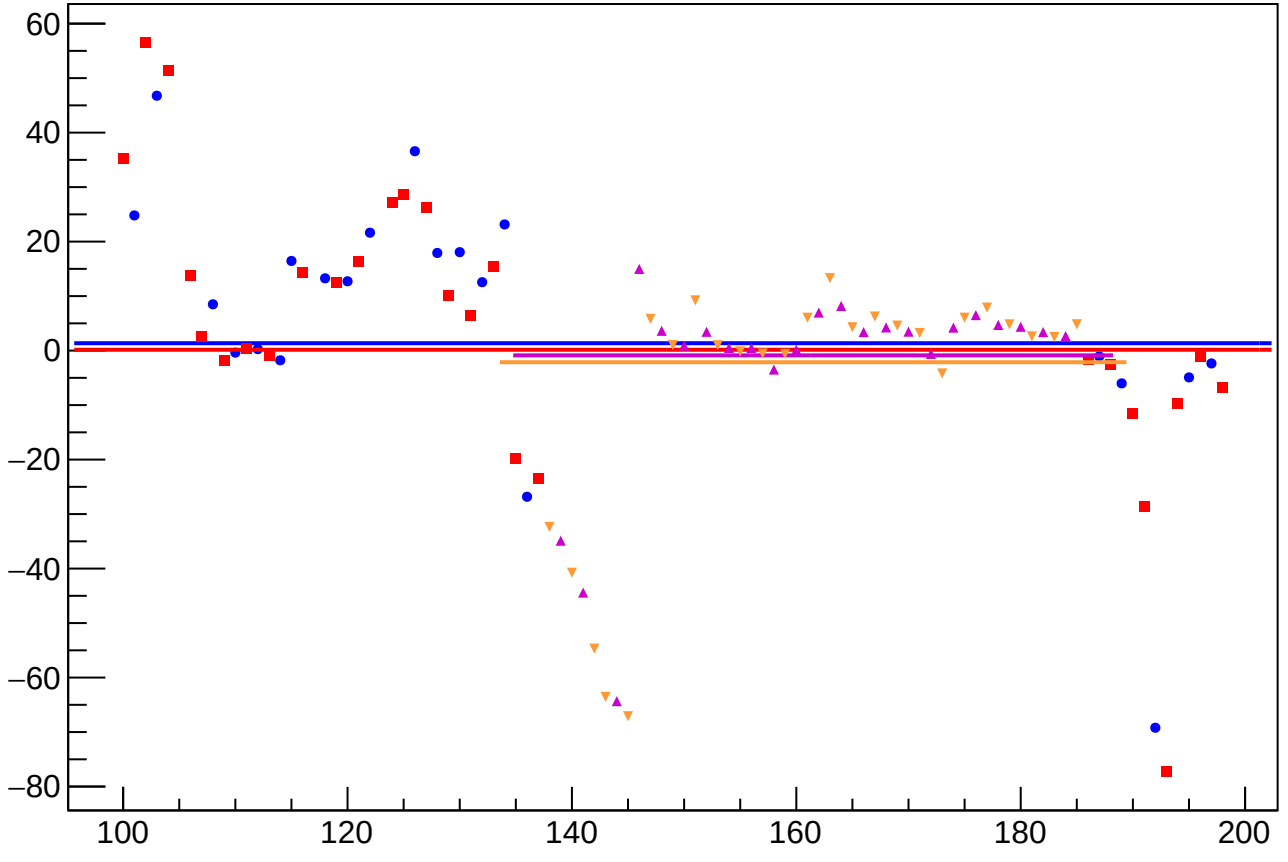
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.355+/-0.028 χ^2/NDF: 12826.5/45

All: 0.316+/-0.019 χ^2/NDF: 25043.1/95

- sign 0.281+/-0.026 χ^2/NDF: 12212.9/49

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 1.354+/-0.050 χ^2/NDF: 112148.6/20

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 0.155+/-0.042 χ^2/NDF: 114851.5/26

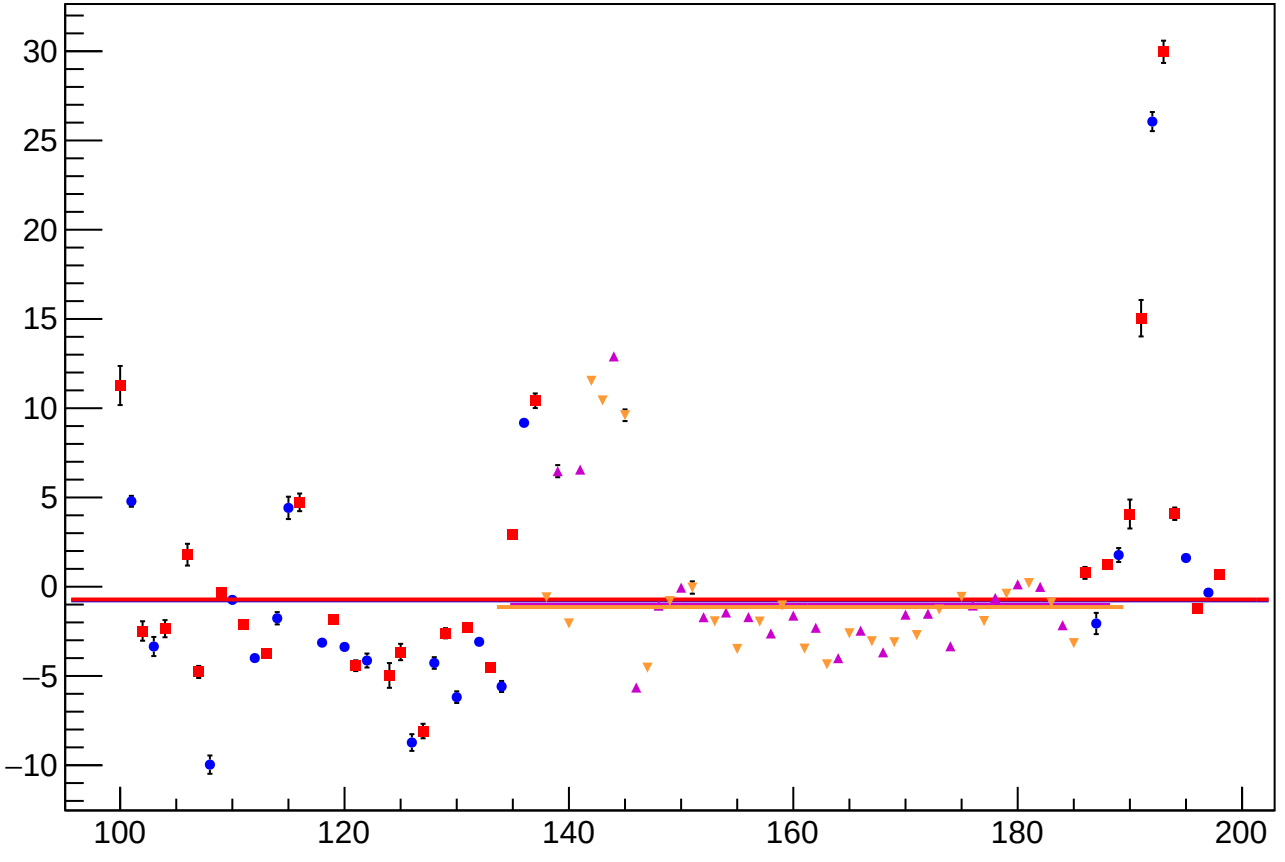
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -0.764+/-0.031 χ^2/NDF: 286555.8/45

All: -0.560+/-0.021 χ^2/NDF: 531067.1/95

- sign -0.390+/-0.029 χ^2/NDF: 244433.7/49

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.763+/-0.062 χ^2/NDF: 7332.3/20

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.716+/-0.056 χ^2/NDF: 5677.8/26

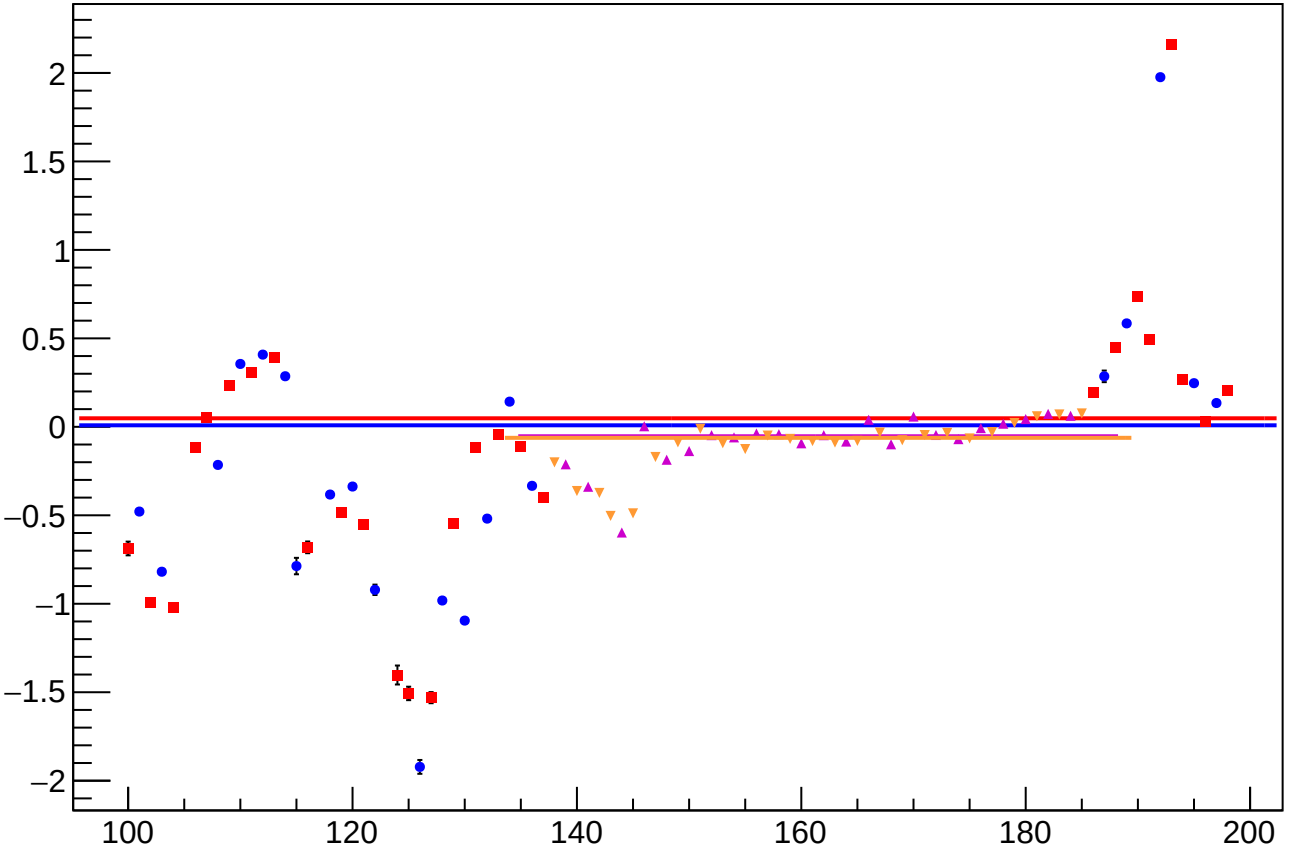
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.044+/-0.031 χ^2/NDF: 14382.6/45

All: -0.984+/-0.022 χ^2/NDF: 27114.6/95

- sign -0.931+/-0.030 χ^2/NDF: 12725.2/49

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.009+/-0.003 χ^2/NDF: 32781.3/20

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

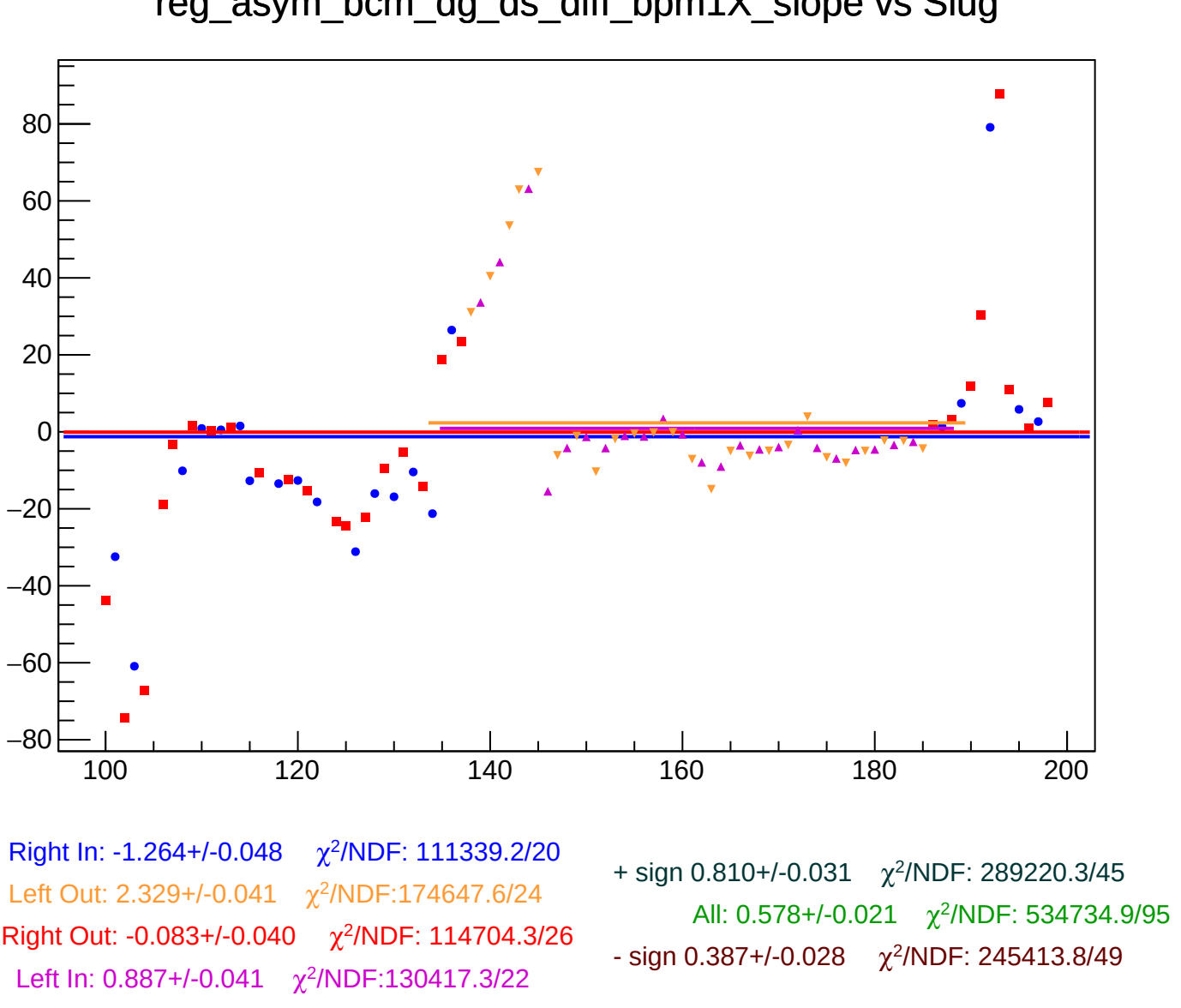
Right Out: 0.048+/-0.003 χ^2/NDF: 33502.7/26

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

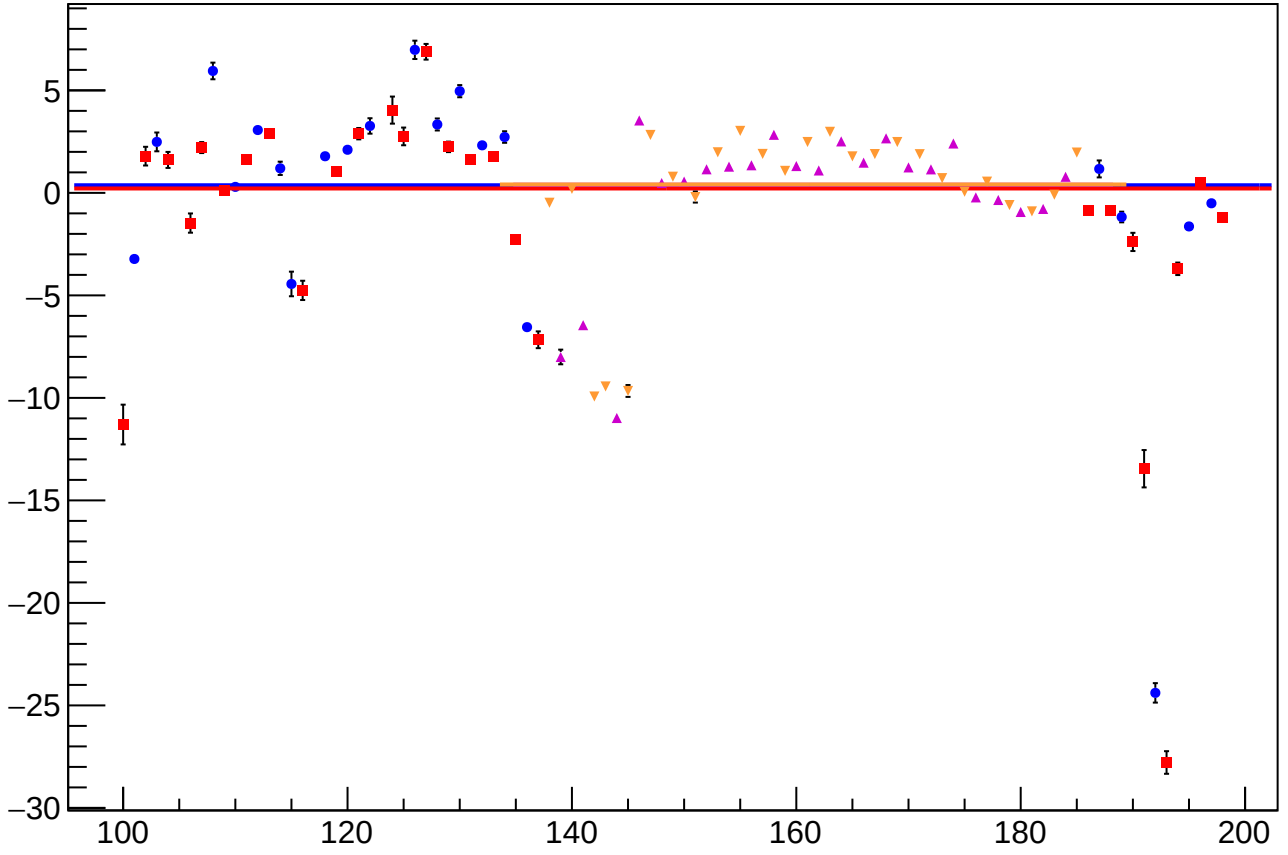
+ sign -0.047+/-0.001 χ^2/NDF: 38931.3/45

All: -0.039+/-0.001 χ^2/NDF: 78523.4/95

- sign -0.031+/-0.001 χ^2/NDF: 39518.3/49


reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug
80
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: -1.264+/-0.048 χ²/NDF: 111339.2/20
Left Out: 2.329+/-0.041 χ²/NDF:174647.6/24
Right Out: -0.083+/-0.040 χ²/NDF: 114704.3/26
Left In: 0.887+/-0.041 χ²/NDF:130417.3/22
+ sign 0.810+/-0.031 χ²/NDF: 289220.3/45
All: 0.578+/-0.021 χ²/NDF: 534734.9/95
- sign 0.387+/-0.028 χ²/NDF: 245413.8/49

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.372+/-0.054 χ^2/NDF: 5602.4/20

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.214+/-0.049 χ^2/NDF: 4881.2/26

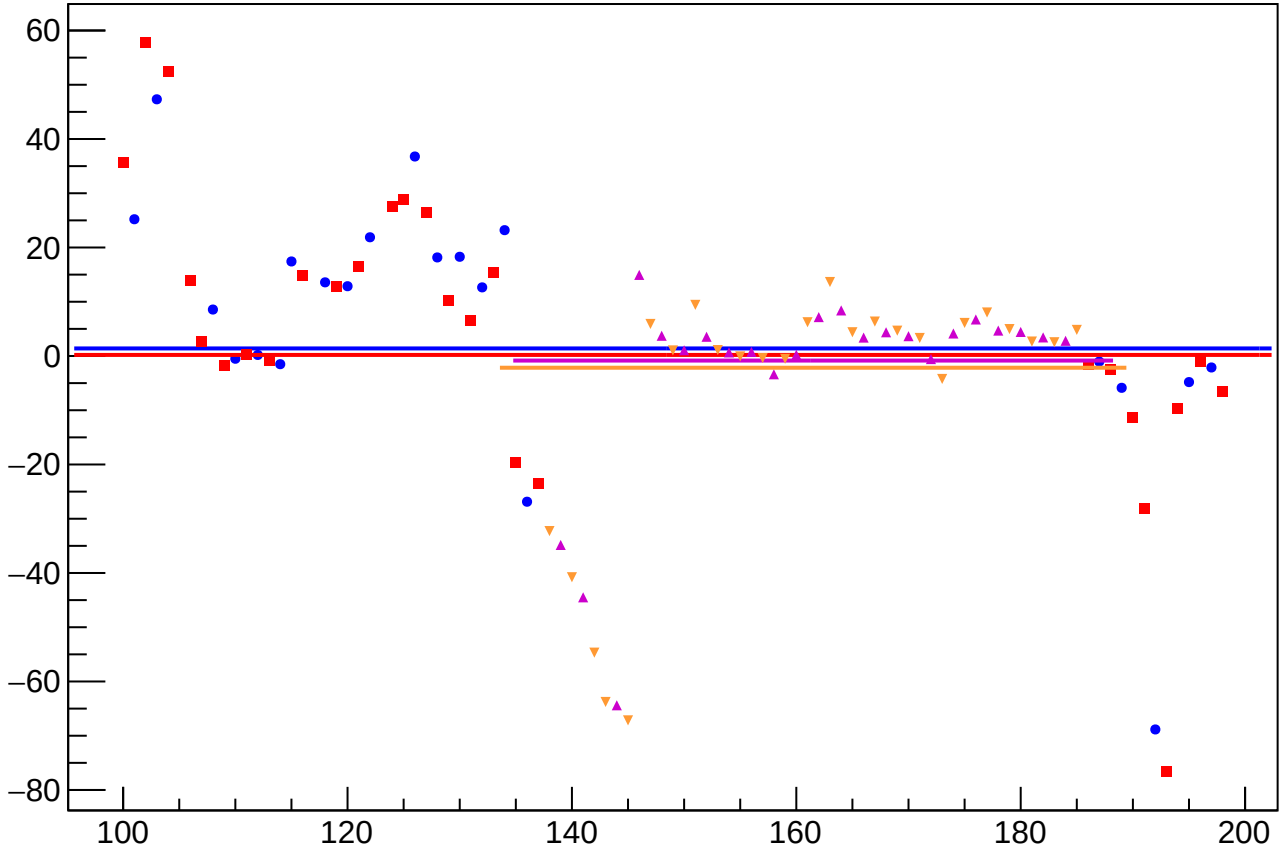
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.399+/-0.028 χ^2/NDF: 12650.6/45

All: 0.369+/-0.019 χ^2/NDF: 24475.7/95

- sign 0.341+/-0.027 χ^2/NDF: 11822.9/49

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 1.393+/-0.051 χ^2/NDF: 110442.9/20

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 0.197+/-0.042 χ^2/NDF: 113188.8/26

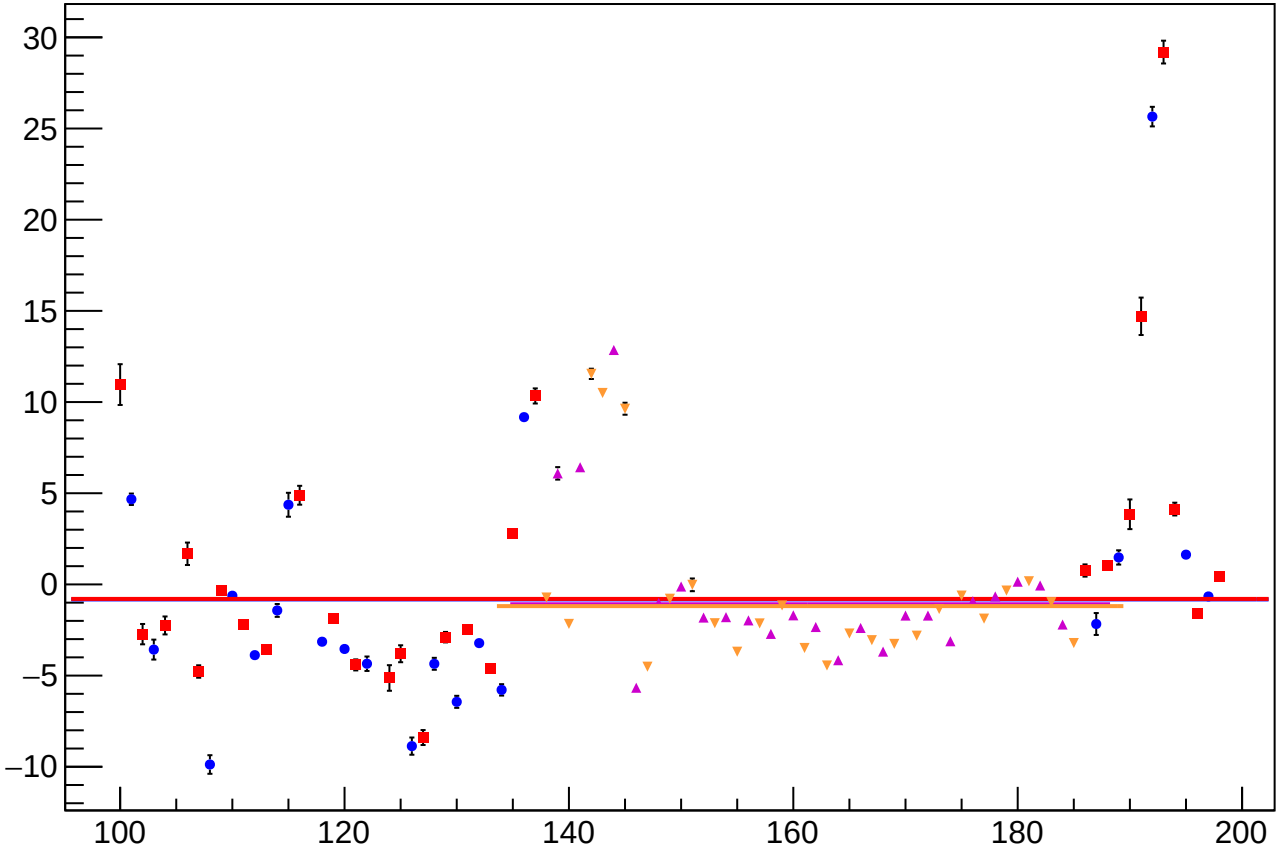
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -0.757+/-0.032 χ^2/NDF: 282399.4/45

All: -0.536+/-0.022 χ^2/NDF: 523128.6/95

- sign -0.351+/-0.029 χ^2/NDF: 240640.8/49

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.823+/-0.063 χ^2/NDF: 7174.9/20

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

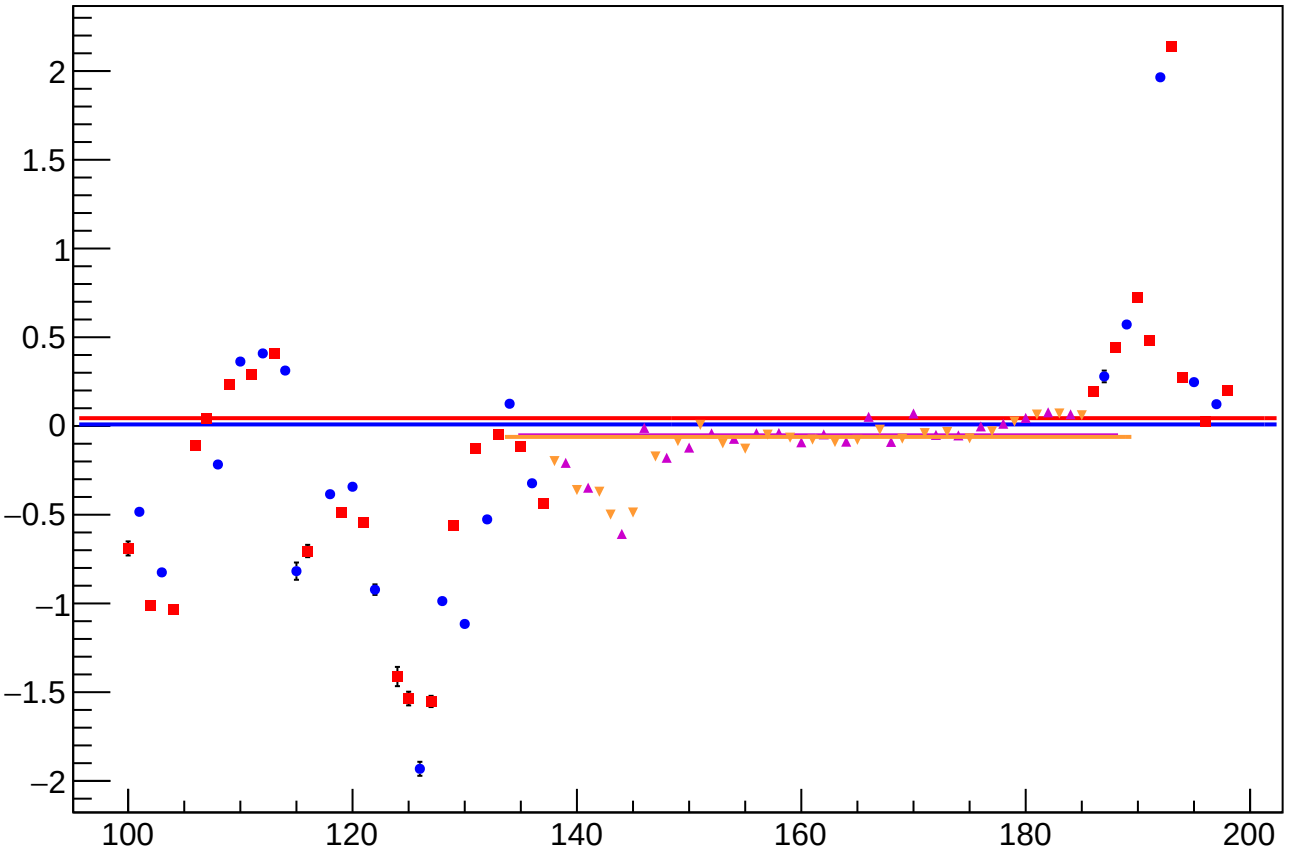
Right Out: -0.795+/-0.057 χ^2/NDF: 5458.1/26

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.096+/-0.032 χ^2/NDF: 14196.1/45

All: -1.050+/-0.022 χ^2/NDF: 26518.0/95

- sign -1.008+/-0.030 χ^2/NDF: 12317.8/49



Right In: 0.009+/-0.003 χ^2/NDF: 32082.6/20

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.044+/-0.003 χ^2/NDF: 33003.2/26

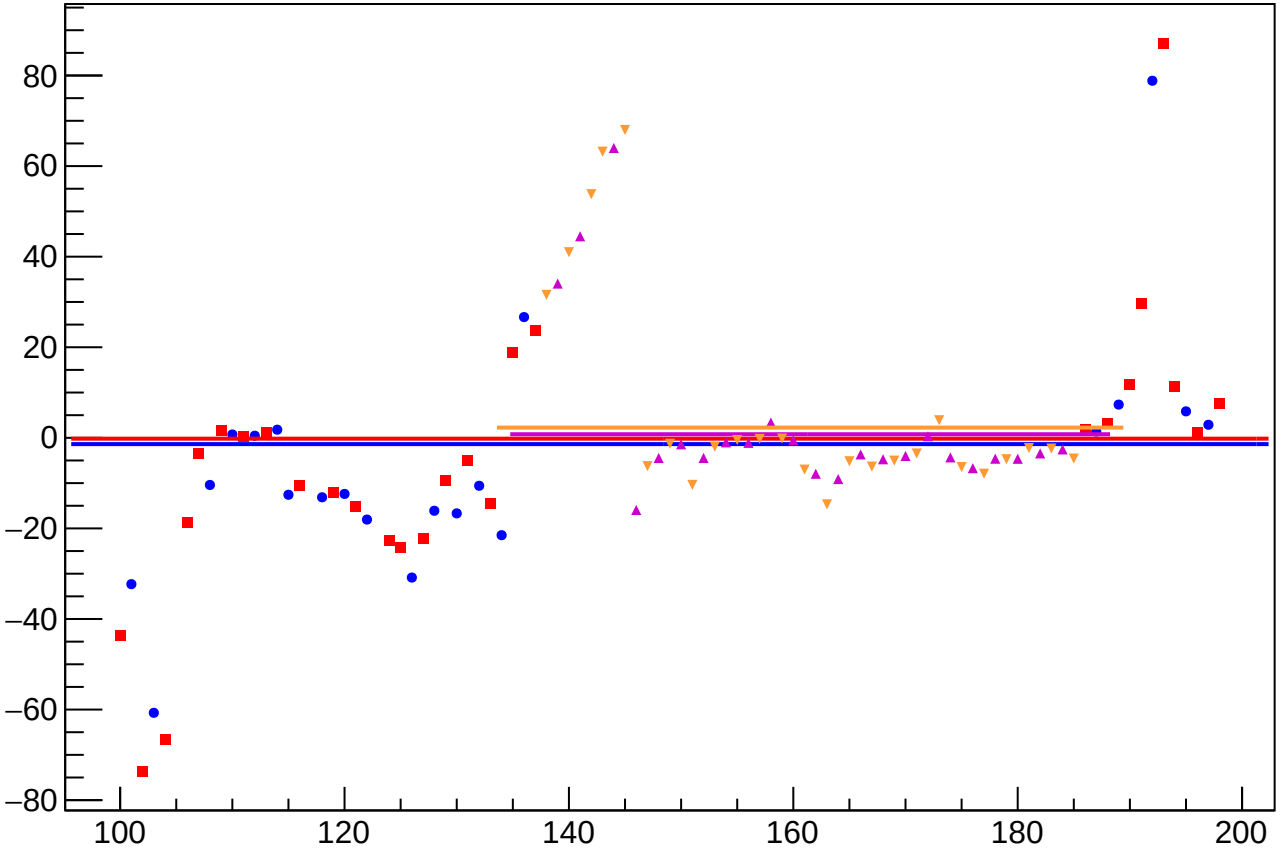
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.047+/-0.001 χ^2/NDF: 38043.5/45

All: -0.038+/-0.001 χ^2/NDF: 77047.7/95

- sign -0.031+/-0.001 χ^2/NDF: 38940.1/49

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -1.388+/-0.049 χ^2/NDF: 109651.5/20

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -0.184+/-0.040 χ^2/NDF: 112553.6/26

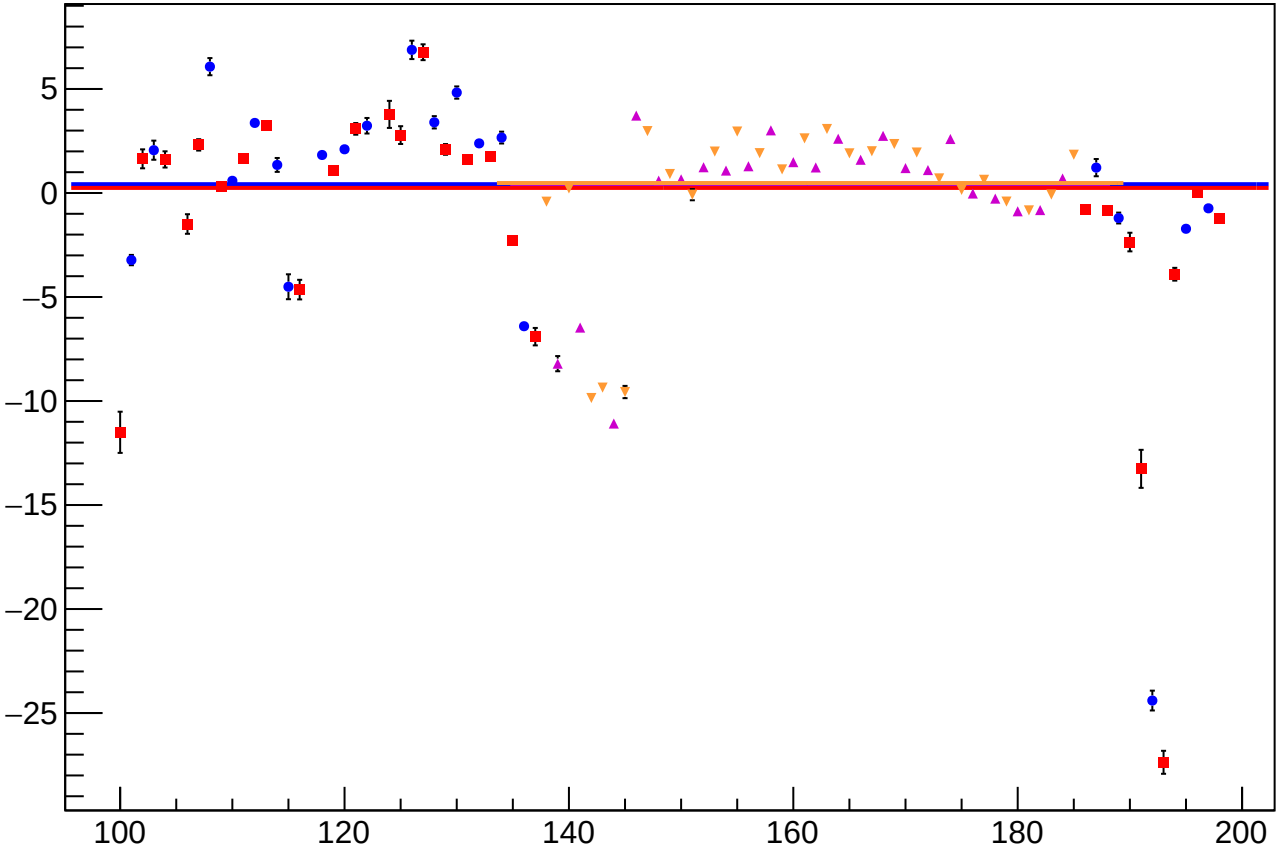
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 0.727+/-0.032 χ^2/NDF: 284555.0/45

All: 0.491+/-0.021 χ^2/NDF: 526326.0/95

- sign 0.295+/-0.029 χ^2/NDF: 241669.5/49

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.423+/-0.054 χ^2/NDF: 5536.9/20

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.244+/-0.049 χ^2/NDF: 4772.1/26

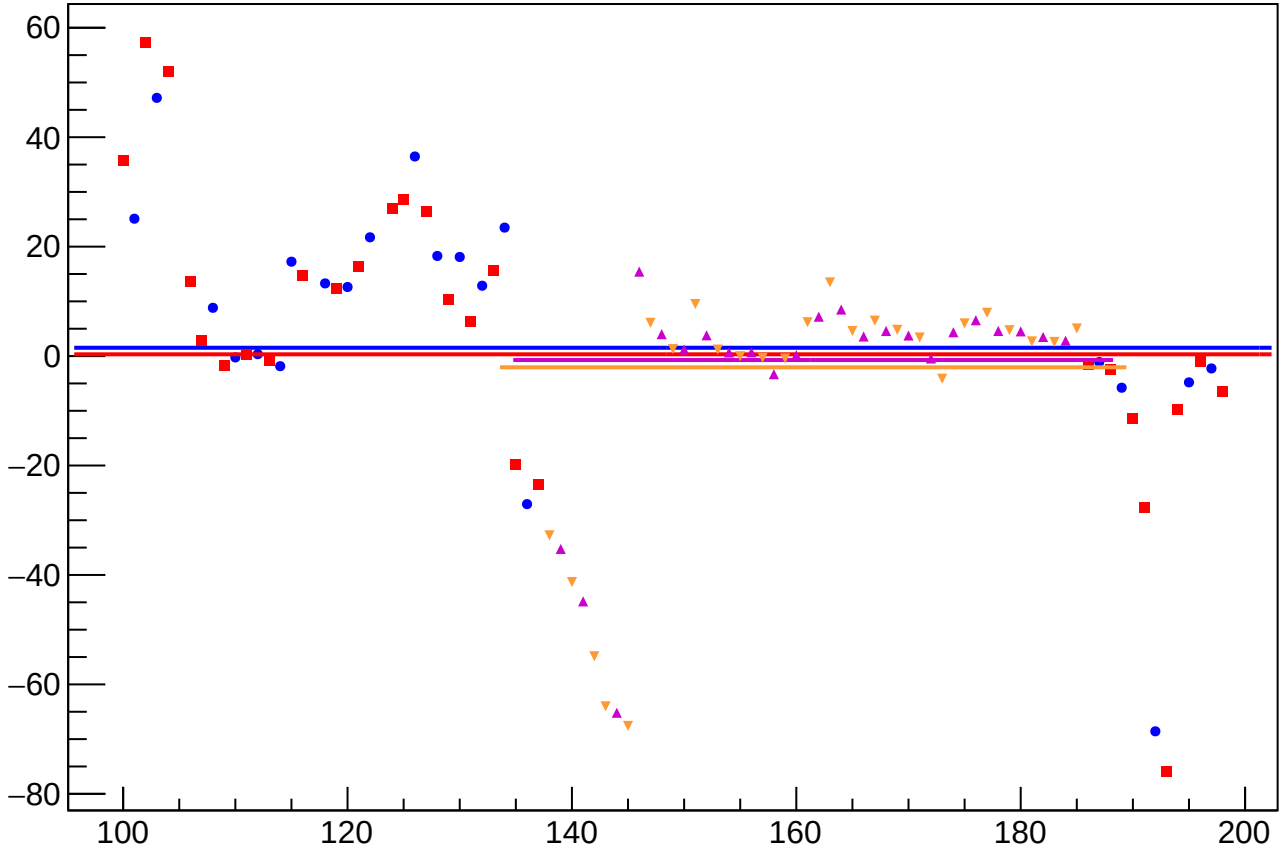
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.463+/-0.029 χ^2/NDF: 12345.8/45

All: 0.420+/-0.020 χ^2/NDF: 24026.8/95

- sign 0.381+/-0.027 χ^2/NDF: 11676.7/49

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 1.522+/-0.051 χ^2/NDF: 108766.6/20

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 0.324+/-0.043 χ^2/NDF: 111060.2/26

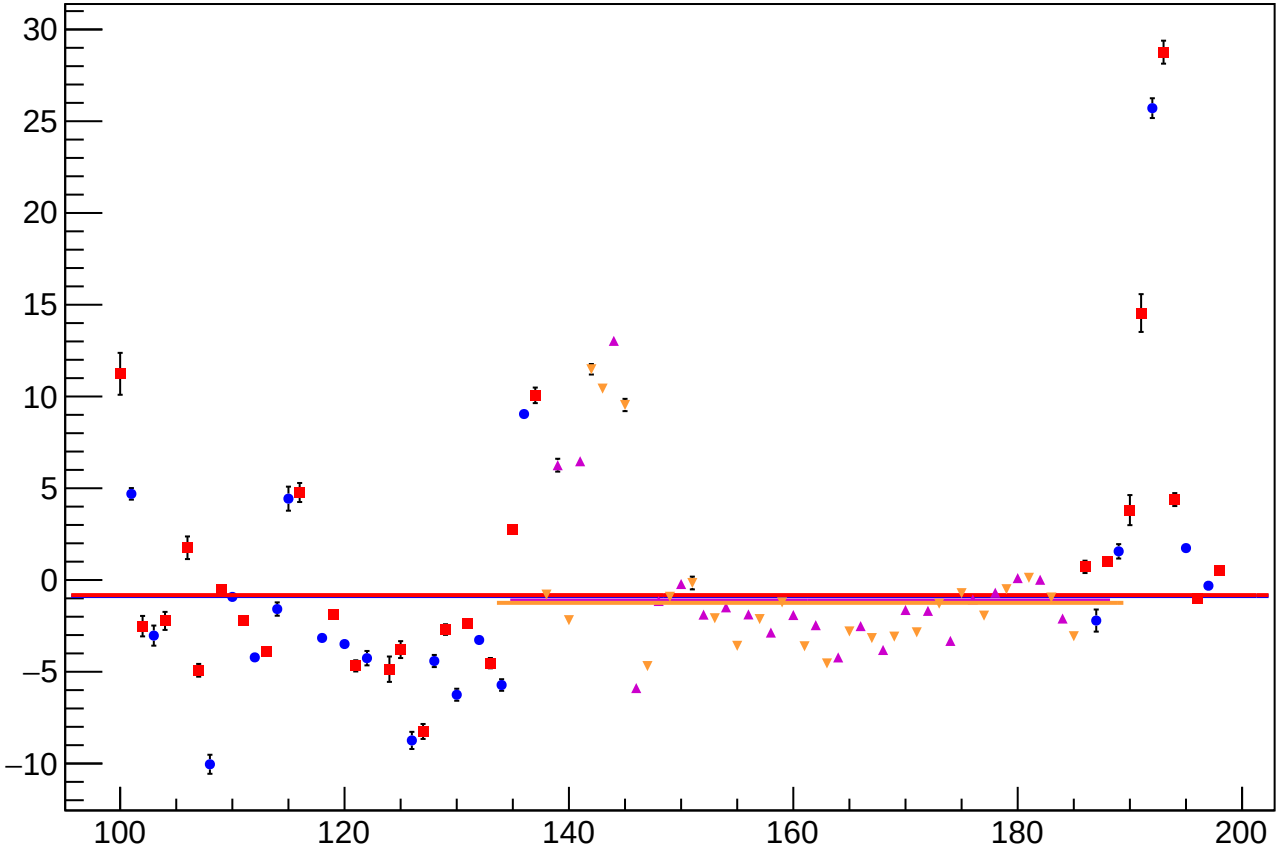
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

\+ sign -0.643+/-0.032 χ^2/NDF: 277702.1/45

All: -0.418+/-0.022 χ^2/NDF: 514693.6/95

\- sign -0.230+/-0.030 χ^2/NDF: 236902.2/49

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.875+/-0.064 χ^2/NDF: 7030.8/20

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

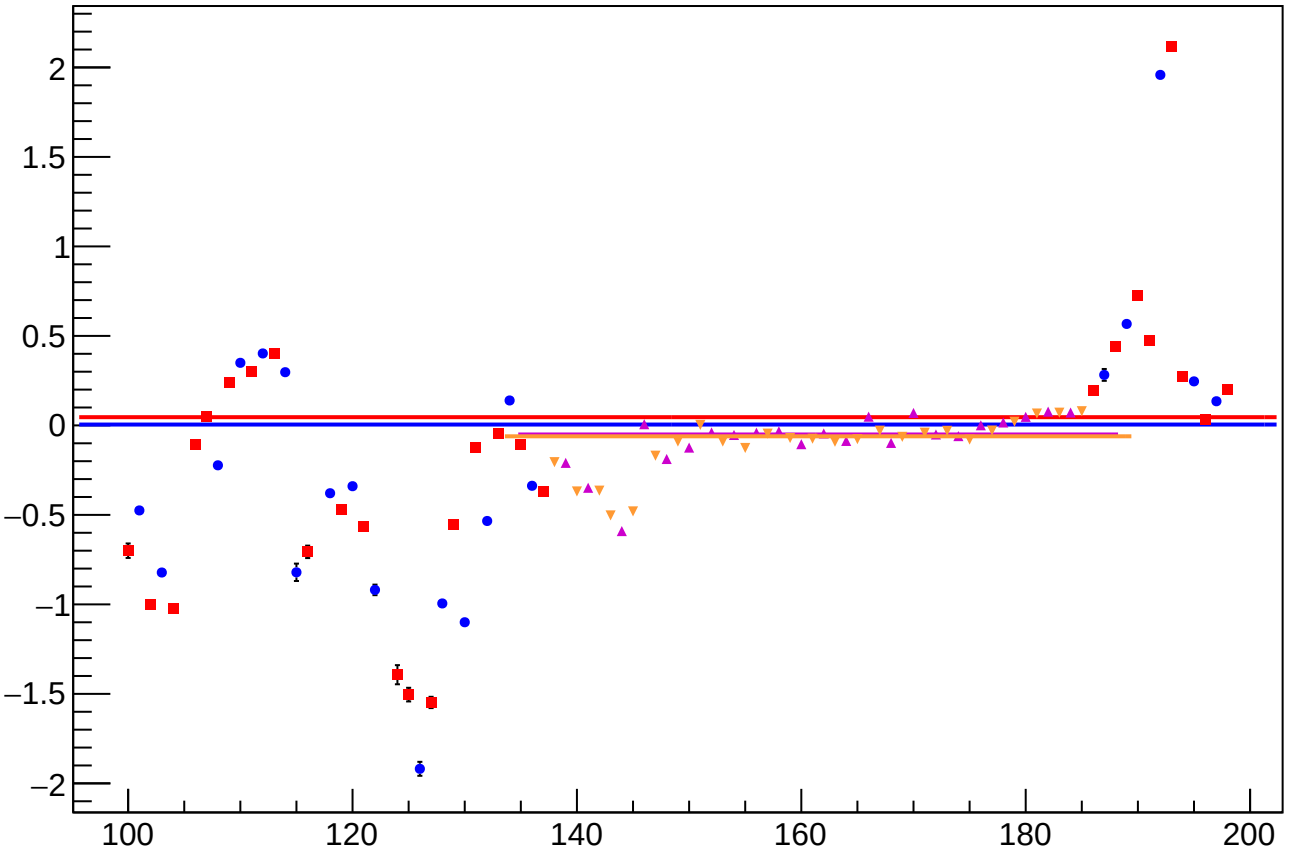
Right Out: -0.823+/-0.058 χ^2/NDF: 5304.4/26

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.150+/-0.032 χ^2/NDF: 13824.5/45

All: -1.090+/-0.022 χ^2/NDF: 25994.2/95

- sign -1.036+/-0.031 χ^2/NDF: 12163.1/49



Right In: 0.005+/-0.003 χ^2/NDF: 31661.1/20

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

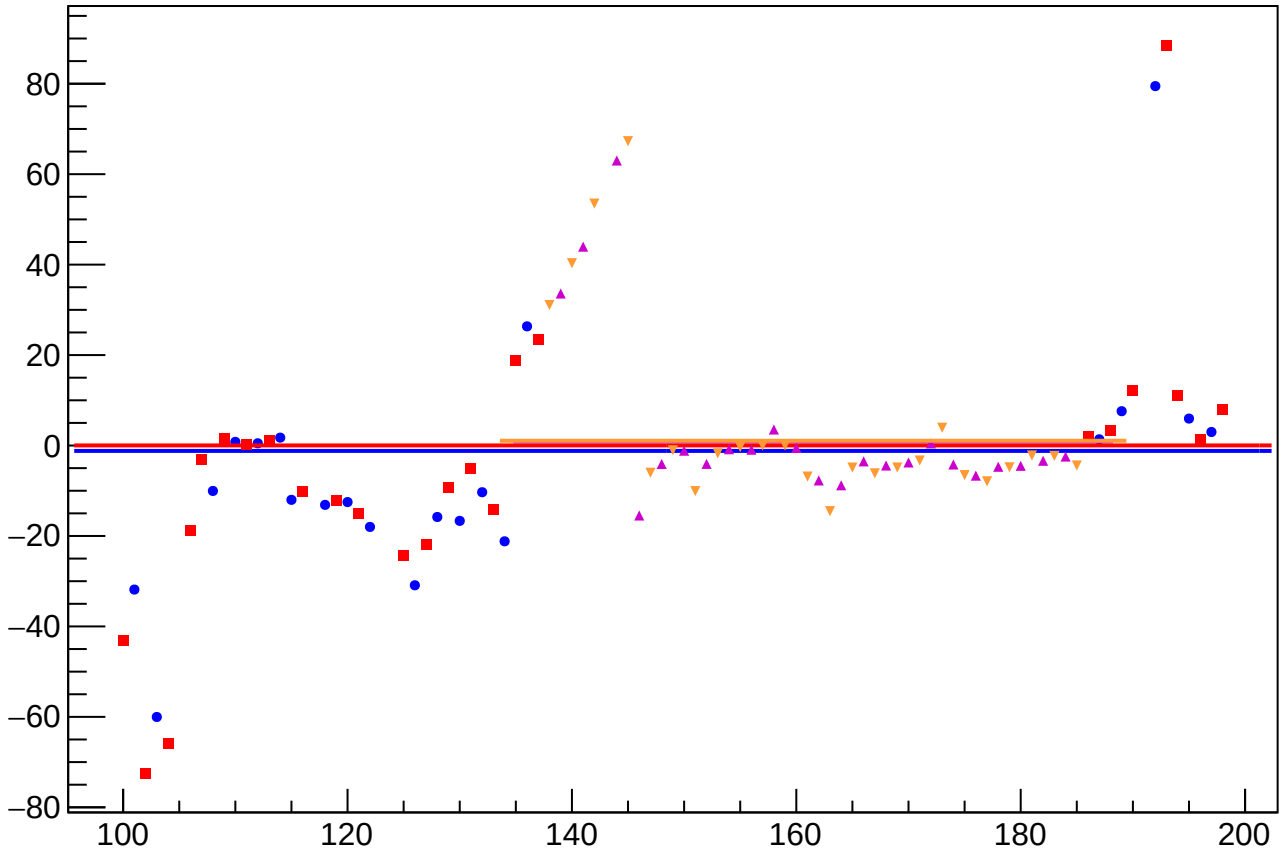
Right Out: 0.046+/-0.003 χ^2/NDF: 32118.3/26

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.047+/-0.001 χ^2/NDF: 37480.3/45

All: -0.038+/-0.001 χ^2/NDF: 75430.6/95

- sign -0.029+/-0.001 χ^2/NDF: 37869.2/49



Right In: -1.188+/-0.047 χ^2/NDF: 113292.7/20

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

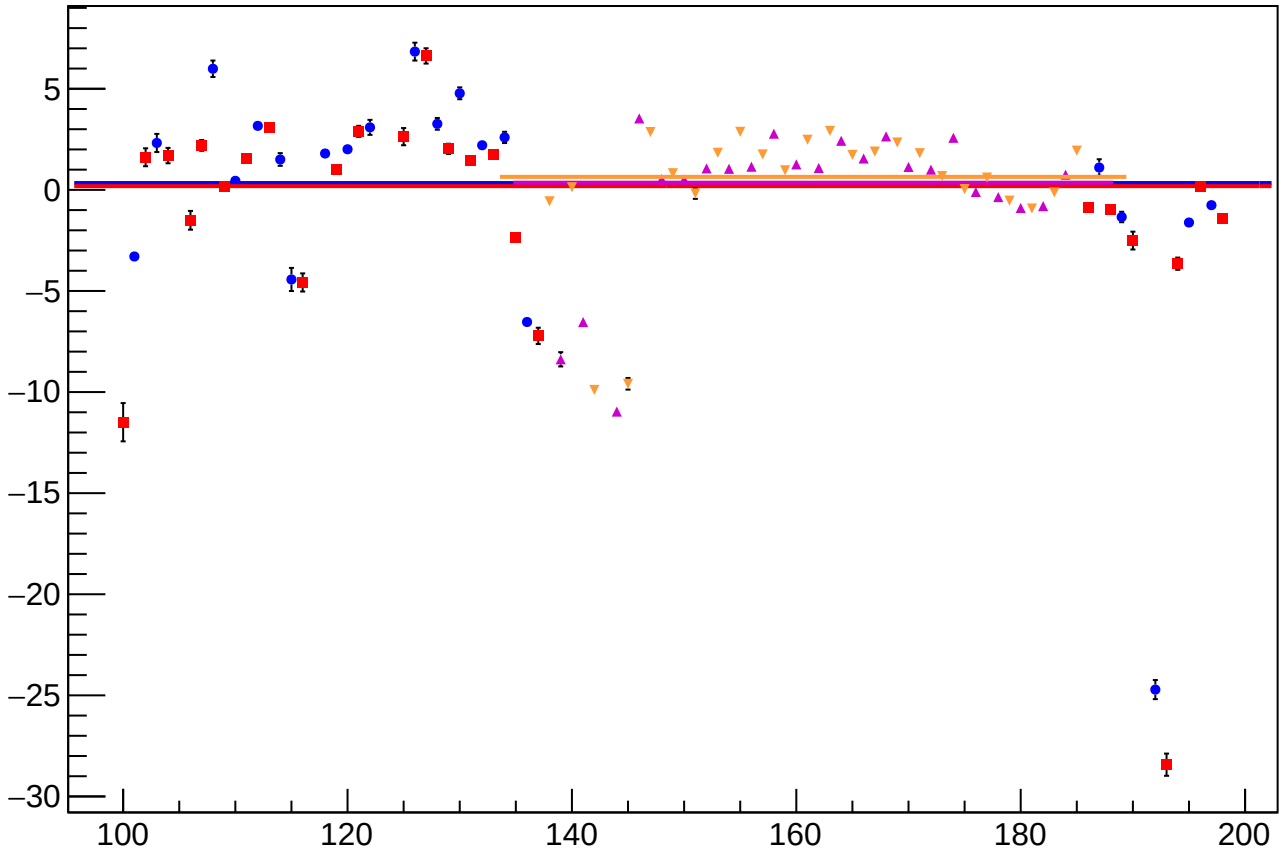
Right Out: 0.022+/-0.039 χ^2/NDF: 113722.5/24

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 0.098+/-0.031 χ^2/NDF: 245625.6/44

All: 0.294+/-0.021 χ^2/NDF: 492487.1/92

- sign 0.455+/-0.028 χ^2/NDF: 246787.0/47



Right In: 0.338+/-0.053 χ^2/NDF: 5771.5/20

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

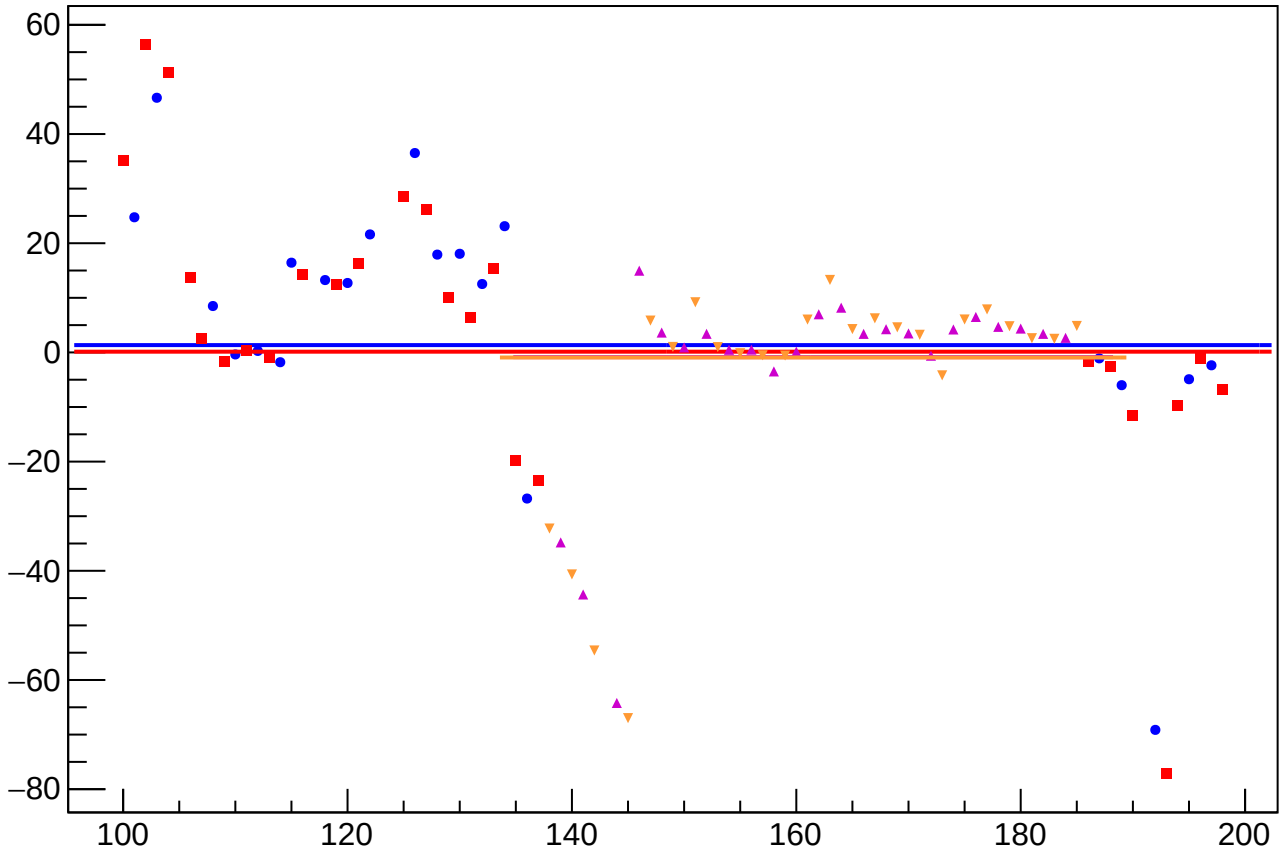
Right Out: 0.184+/-0.048 χ^2/NDF: 4846.9/24

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.557+/-0.028 χ^2/NDF: 10506.7/44

All: 0.422+/-0.019 χ^2/NDF: 22522.6/92

- sign 0.304+/-0.026 χ^2/NDF: 11972.8/47



Right In: 1.340+/-0.050 χ^2/NDF: 112350.5/20

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

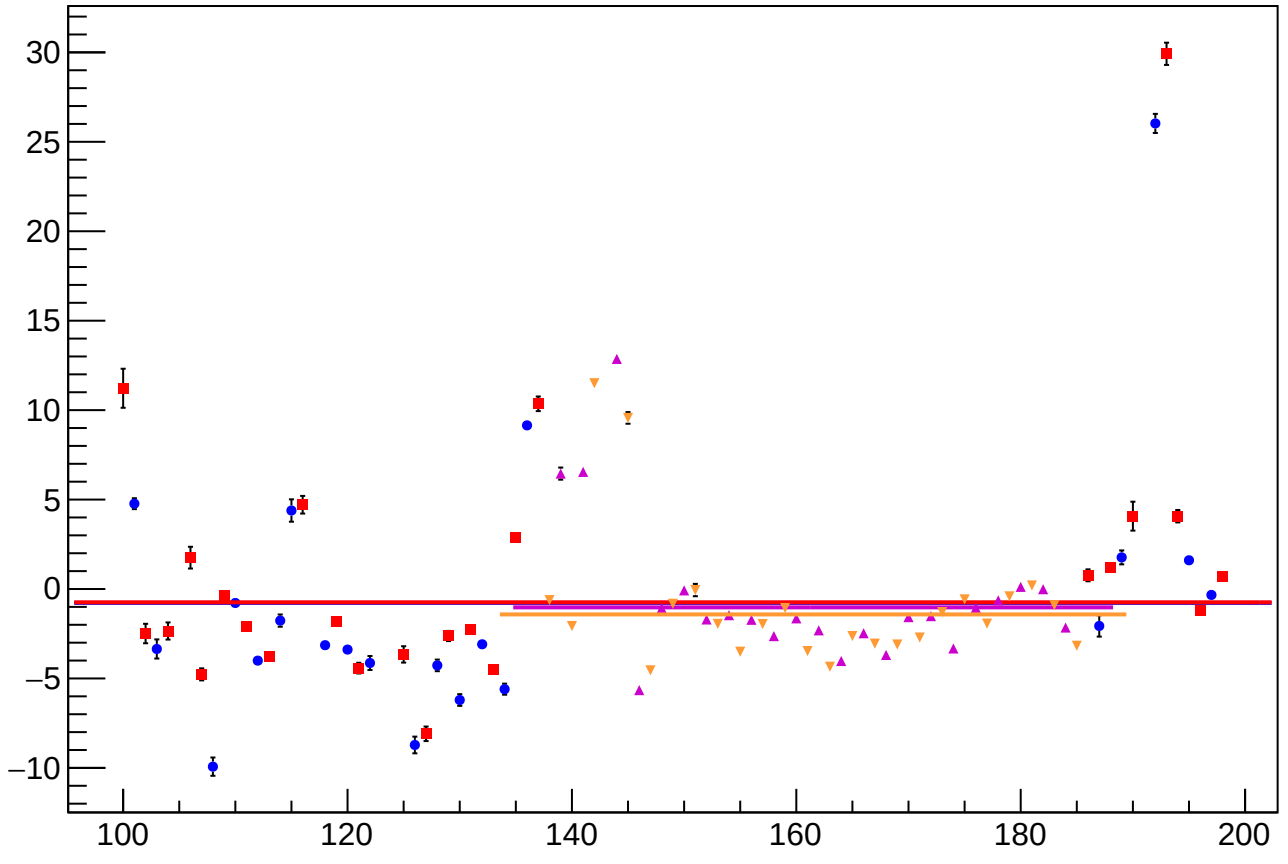
Right Out: 0.135+/-0.042 χ^2/NDF: 112267.8/24

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign -0.027+/-0.031 χ^2/NDF: 239974.4/44

All: -0.228+/-0.021 χ^2/NDF: 482103.2/92

- sign -0.395+/-0.029 χ^2/NDF: 242054.2/47



Right In: -0.775+/-0.062 χ^2/NDF: 7348.2/20

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

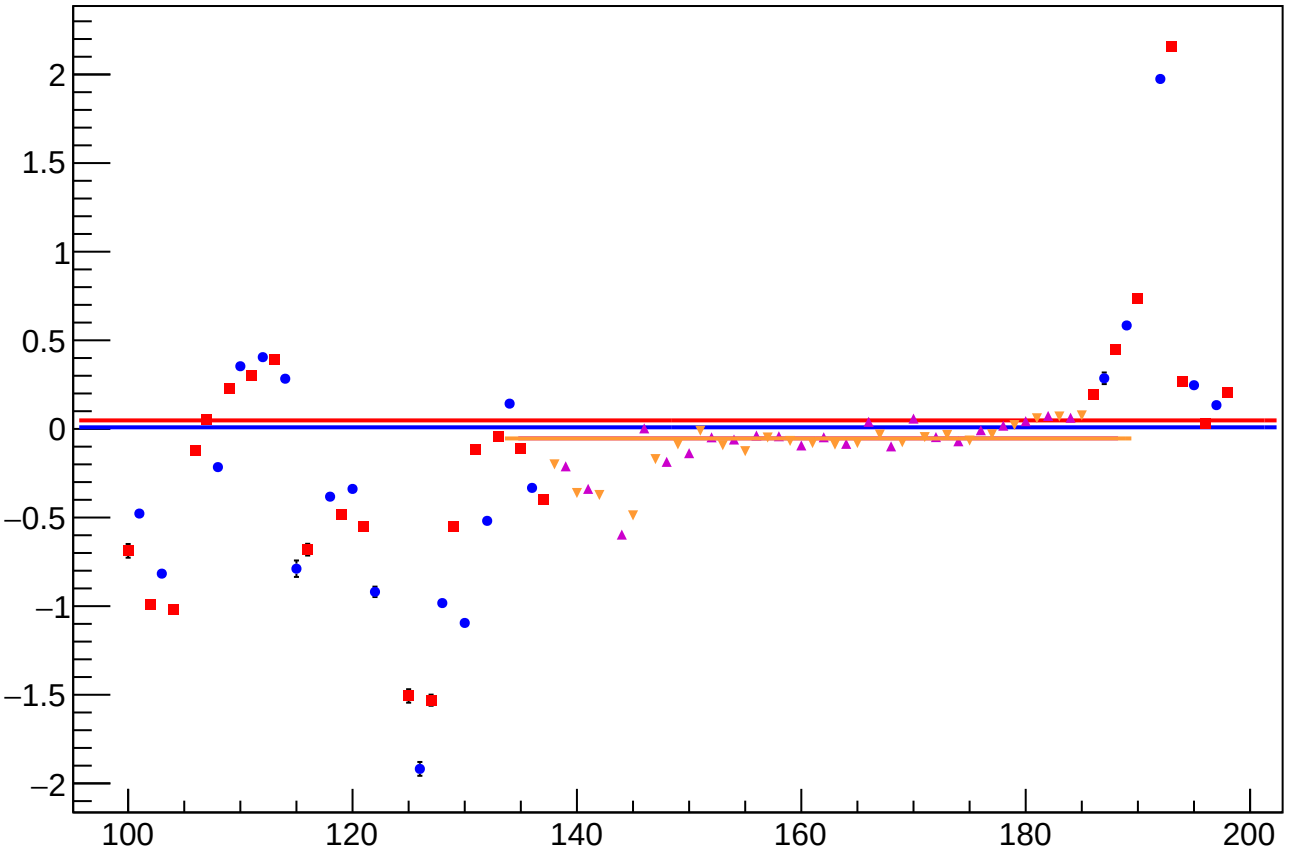
Right Out: -0.744+/-0.057 χ^2/NDF: 5408.2/24

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.252+/-0.032 χ^2/NDF: 12070.8/44

All: -1.091+/-0.022 χ^2/NDF: 24593.5/92

- sign -0.949+/-0.030 χ^2/NDF: 12473.3/47



Right In: 0.009+/-0.003 χ^2/NDF: 32842.4/20

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

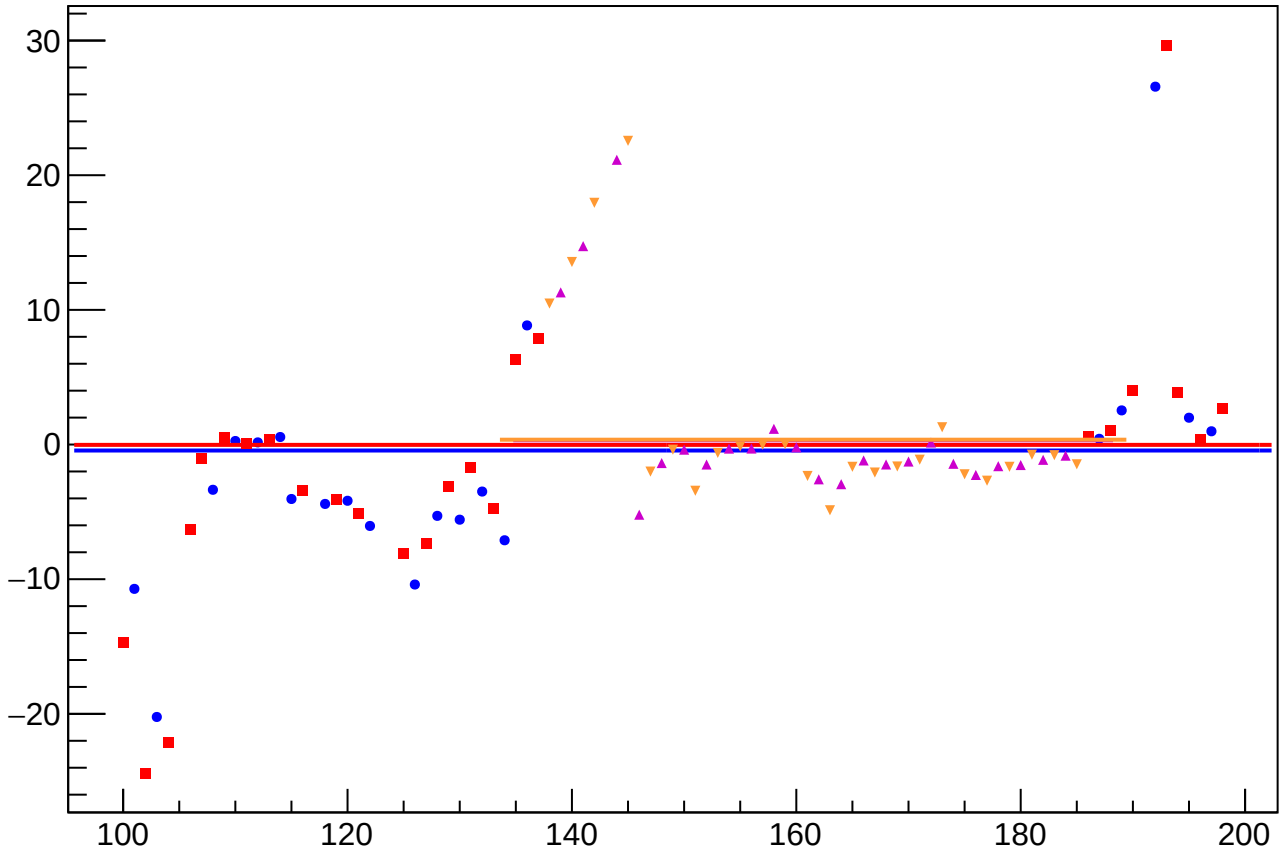
Right Out: 0.048+/-0.003 χ^2/NDF: 32589.6/24

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.040+/-0.001 χ^2/NDF: 37510.0/44

All: -0.035+/-0.001 χ^2/NDF: 76148.5/92

- sign -0.031+/-0.001 χ^2/NDF: 38614.2/47



Right In: -0.444+/-0.016 χ^2/NDF: 111308.6/20

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

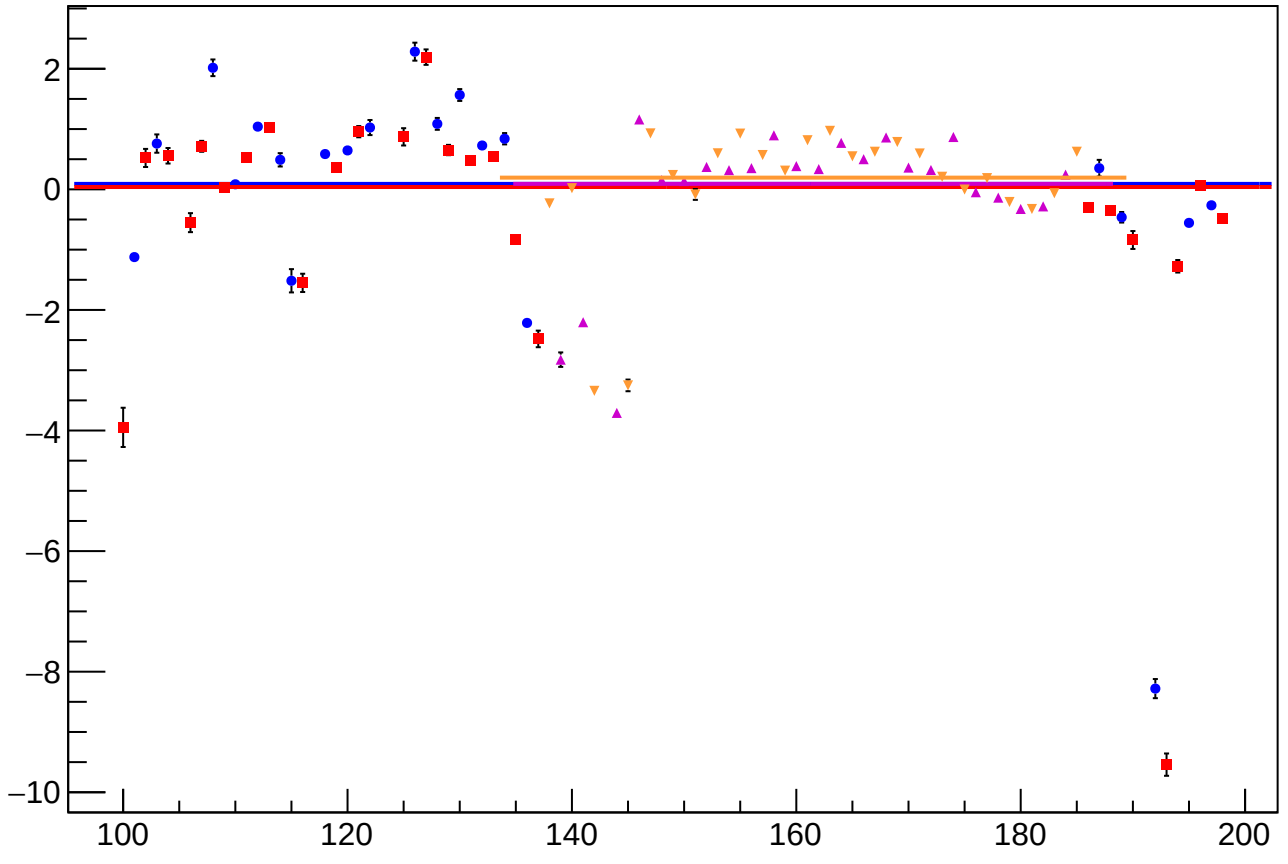
Right Out: -0.025+/-0.013 χ^2/NDF: 111986.3/24

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.019+/-0.011 χ^2/NDF: 241556.4/44

All: 0.087+/-0.007 χ^2/NDF: 484163.4/92

- sign 0.143+/-0.010 χ^2/NDF: 242530.9/47



Right In: 0.091+/-0.018 χ^2/NDF: 5657.9/20

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

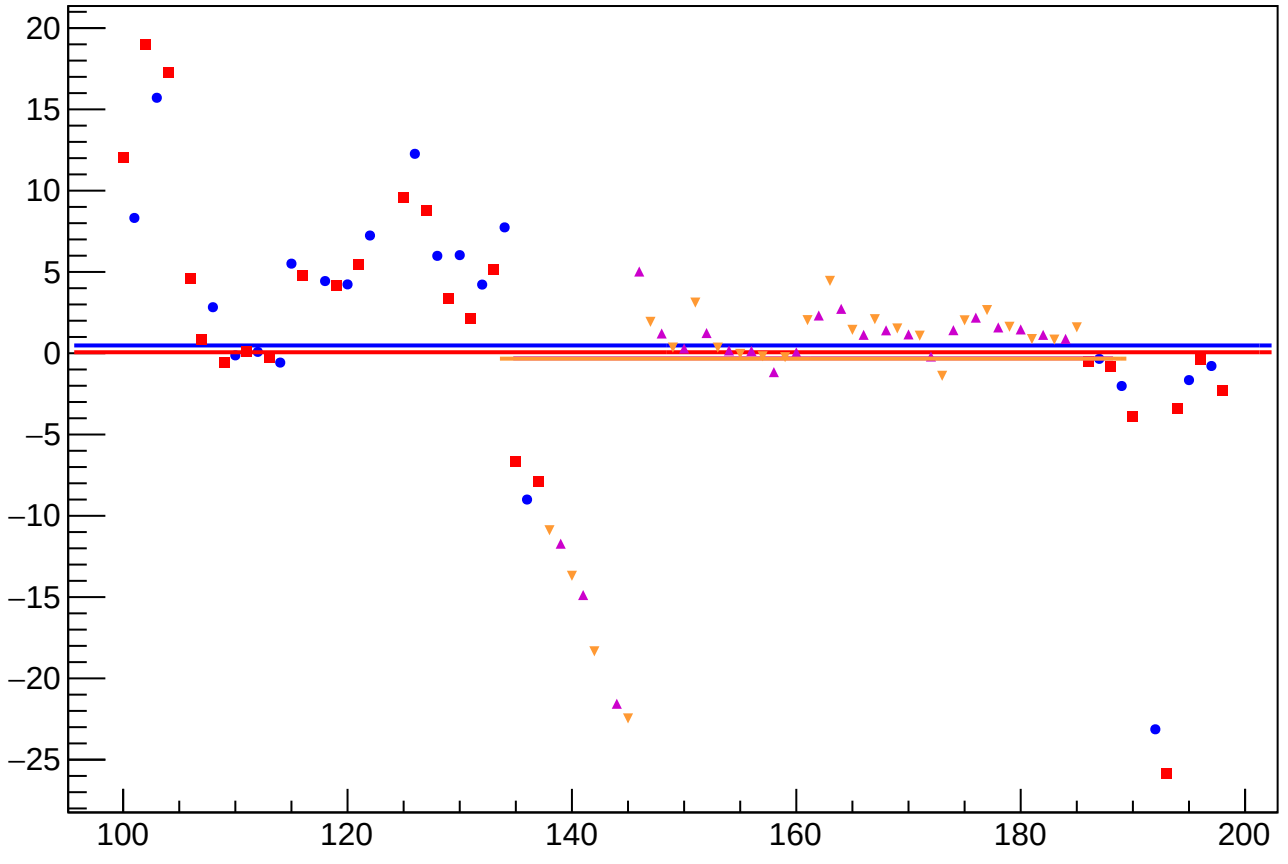
Right Out: 0.039+/-0.017 χ^2/NDF: 4768.9/24

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.165+/-0.010 χ^2/NDF: 10326.7/44

All: 0.117+/-0.007 χ^2/NDF: 22085.2/92

- sign 0.076+/-0.009 χ^2/NDF: 11712.4/47



Right In: 0.478+/-0.017 χ^2/NDF: 110403.3/20

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

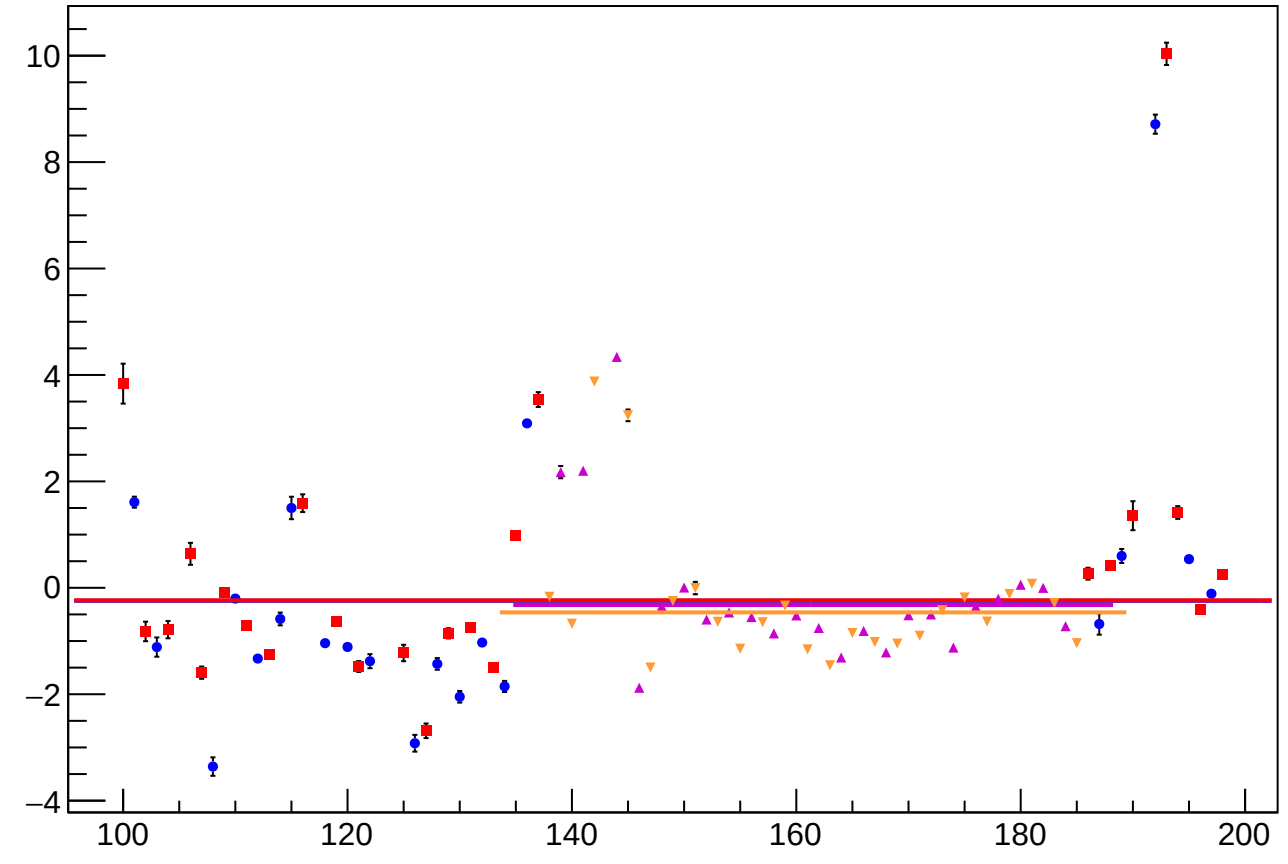
Right Out: 0.060+/-0.014 χ^2/NDF: 110584.5/24

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.011+/-0.011 χ^2/NDF: 235992.3/44

All: -0.081+/-0.007 χ^2/NDF: 474014.8/92

- sign -0.139+/-0.010 χ^2/NDF: 237946.1/47



Right In: -0.244+/-0.021 χ^2/NDF: 7199.7/20

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

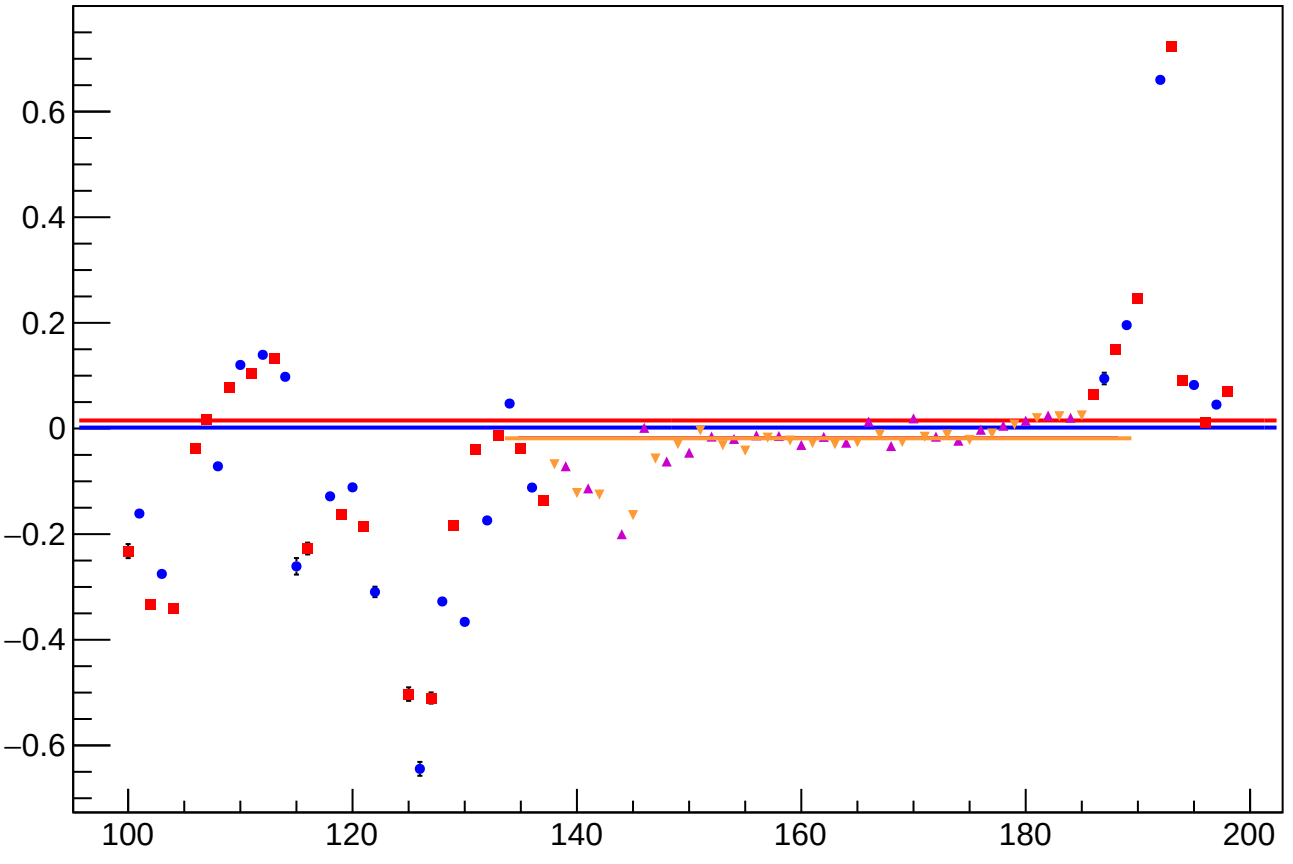
Right Out: -0.235+/-0.019 χ^2/NDF: 5325.3/24

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.405+/-0.011 χ^2/NDF: 11858.3/44

All: -0.349+/-0.007 χ^2/NDF: 24131.7/92

- sign -0.299+/-0.010 χ^2/NDF: 12222.1/47



Right In: 0.002+/-0.001 χ^2/NDF: 32268.2/20

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

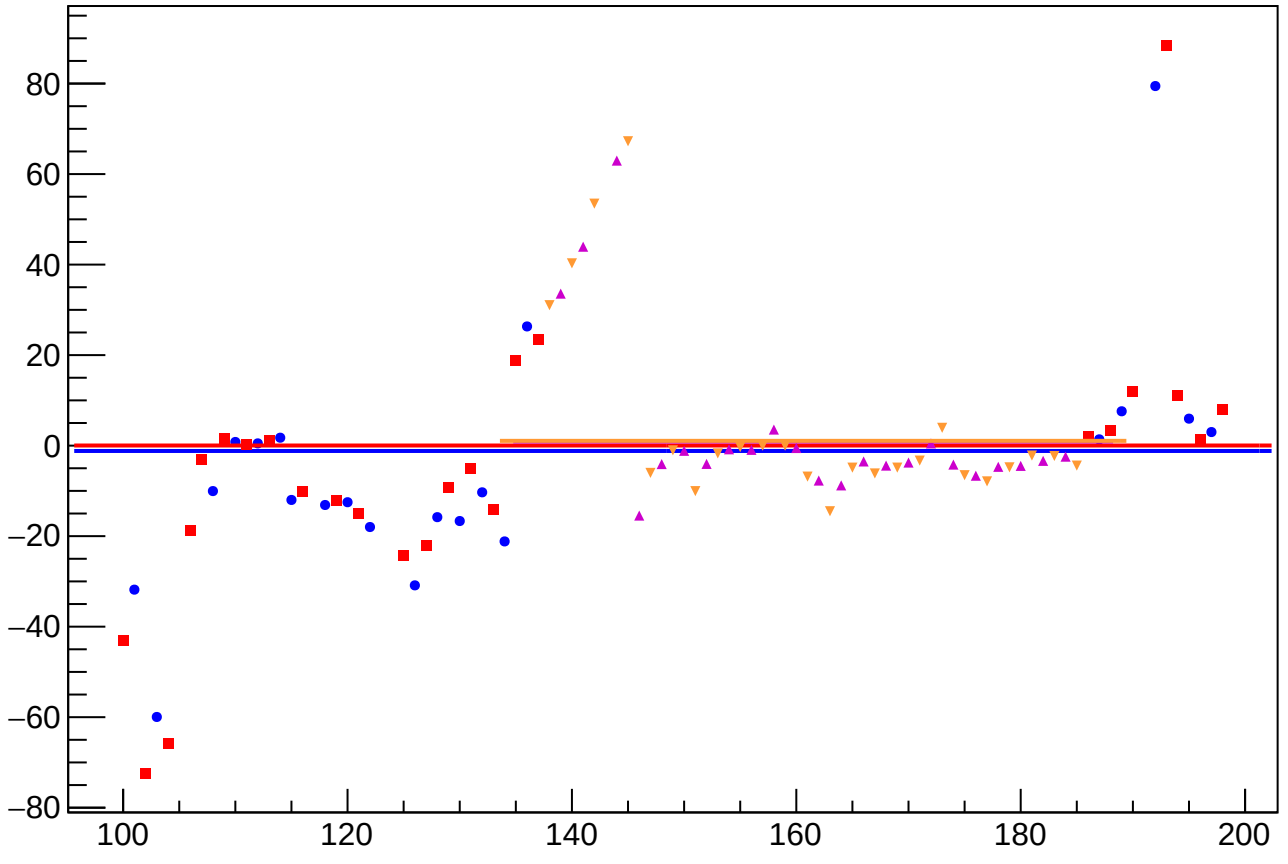
Right Out: 0.015+/-0.001 χ^2/NDF: 31994.4/24

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.014+/-0.000 χ^2/NDF: 36787.1/44

All: -0.012+/-0.000 χ^2/NDF: 74612.0/92

- sign -0.011+/-0.000 χ^2/NDF: 37796.5/47



Right In: -1.179+/-0.047 χ^2/NDF: 113321.2/20

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

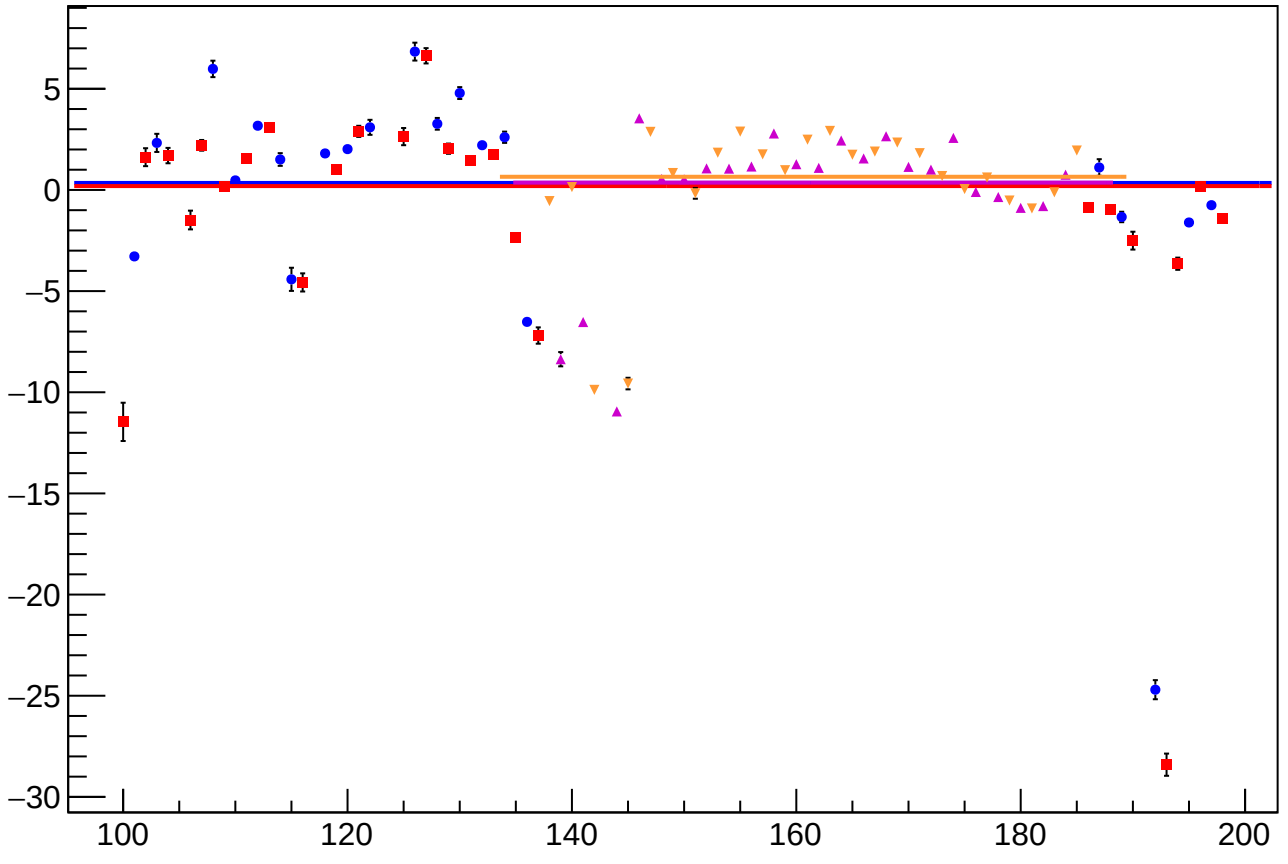
Right Out: 0.027+/-0.039 χ^2/NDF: 113742.7/24

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 0.103+/-0.031 χ^2/NDF: 245630.5/44

All: 0.299+/-0.021 χ^2/NDF: 492519.3/92

- sign 0.459+/-0.028 χ^2/NDF: 246814.9/47



Right In: 0.346+/-0.053 χ^2/NDF: 5774.3/20

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

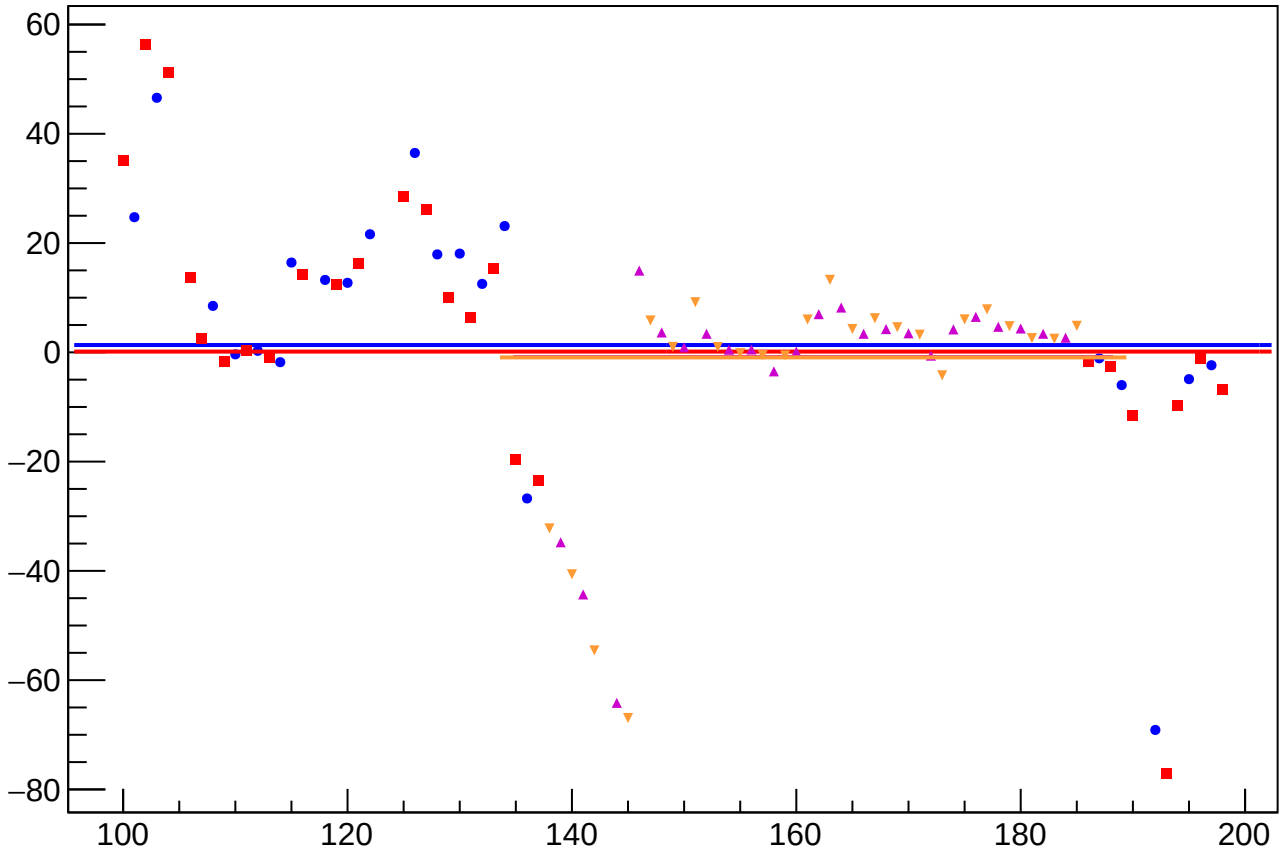
Right Out: 0.191+/-0.048 χ^2/NDF: 4847.3/24

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.565+/-0.028 χ^2/NDF: 10507.2/44

All: 0.430+/-0.019 χ^2/NDF: 22529.0/92

- sign 0.313+/-0.026 χ^2/NDF: 11978.8/47



Right In: 1.336+/-0.050 χ^2/NDF: 112376.4/20

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

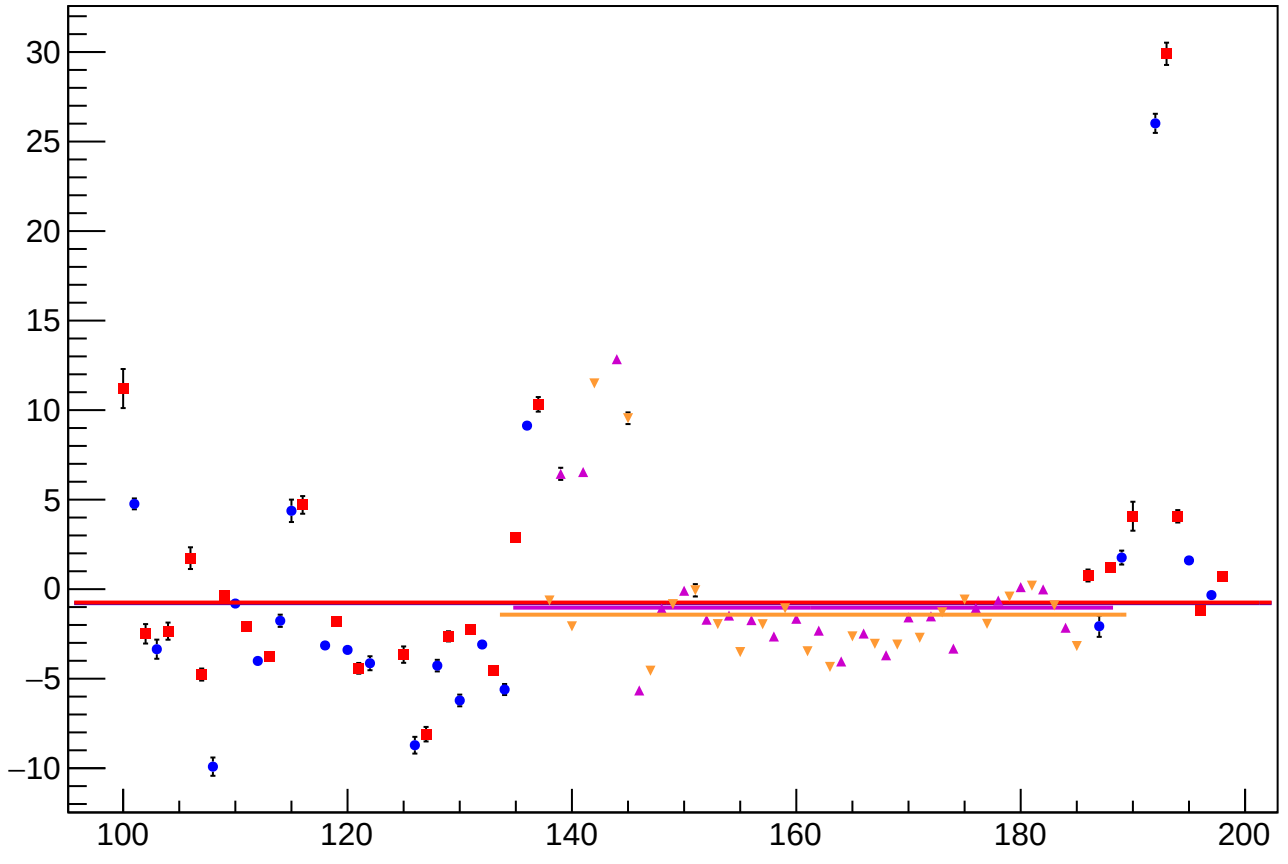
Right Out: 0.135+/-0.042 χ^2/NDF: 112283.6/24

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -0.027+/-0.031 χ^2/NDF: 239977.9/44

All: -0.227+/-0.021 χ^2/NDF: 482126.6/92

- sign -0.393+/-0.029 χ^2/NDF: 242074.6/47



Right In: -0.781+/-0.062 χ^2/NDF: 7350.6/20

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

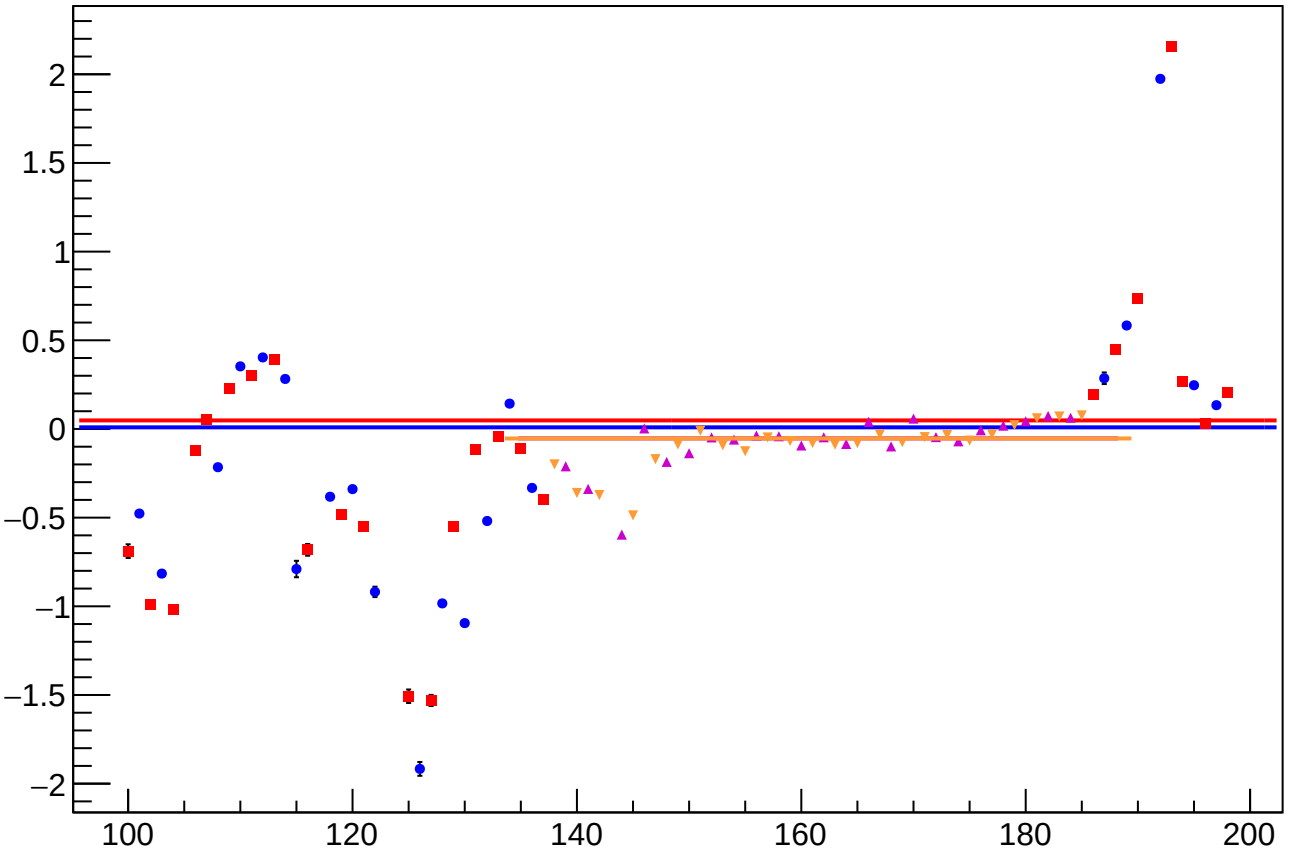
Right Out: -0.748+/-0.056 χ^2/NDF: 5407.1/24

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.257+/-0.031 χ^2/NDF: 12070.6/44

All: -1.096+/-0.022 χ^2/NDF: 24596.5/92

- sign -0.954+/-0.030 χ^2/NDF: 12476.7/47



Right In: 0.009+/-0.003 χ^2/NDF: 32851.2/20

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

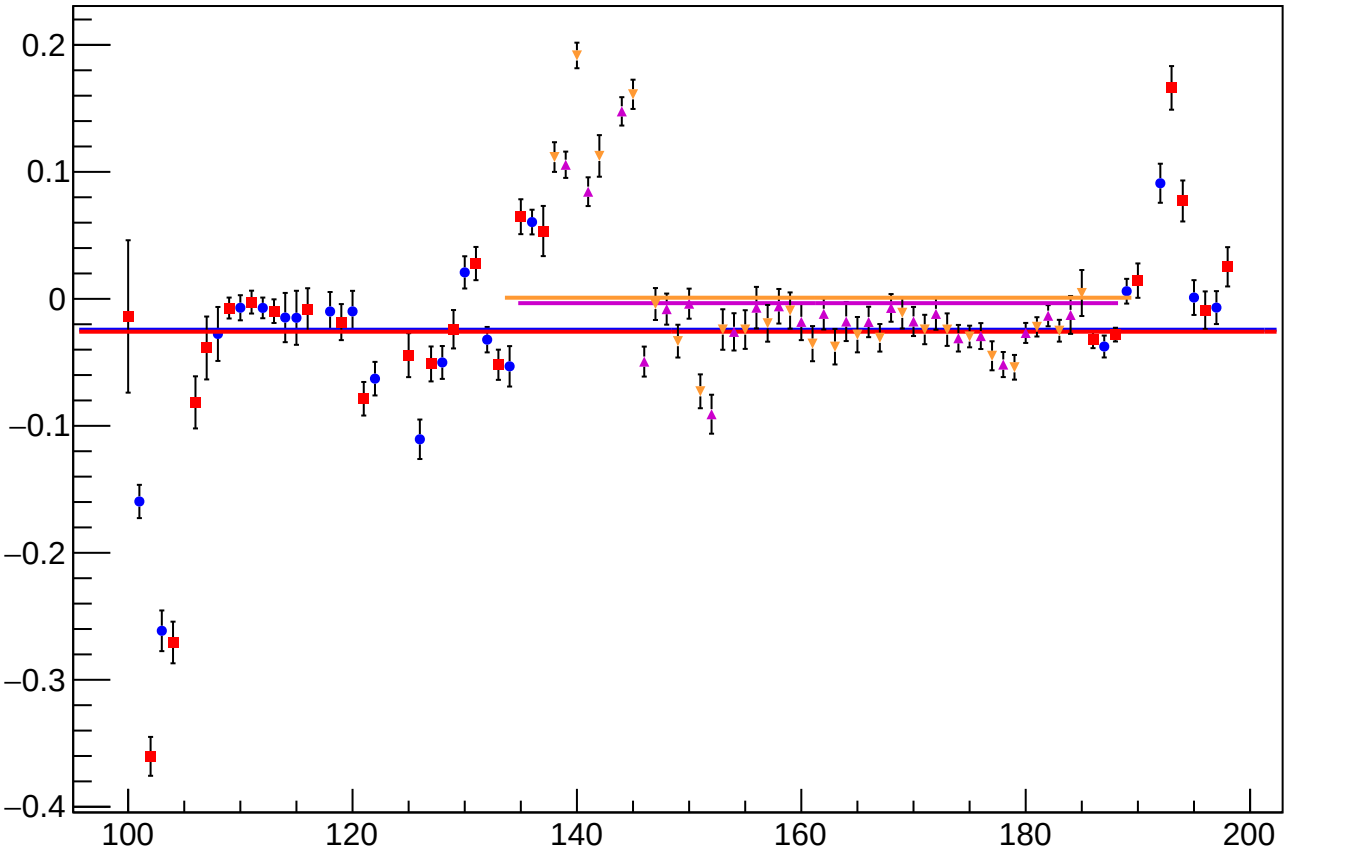
Right Out: 0.048+/-0.003 χ^2/NDF: 32603.9/24

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.040+/-0.001 χ^2/NDF: 37520.1/44

All: -0.035+/-0.001 χ^2/NDF: 76179.2/92

- sign -0.031+/-0.001 χ^2/NDF: 38635.3/47



Right In: -0.024+/-0.003 χ^2/NDF: 544.8/20

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

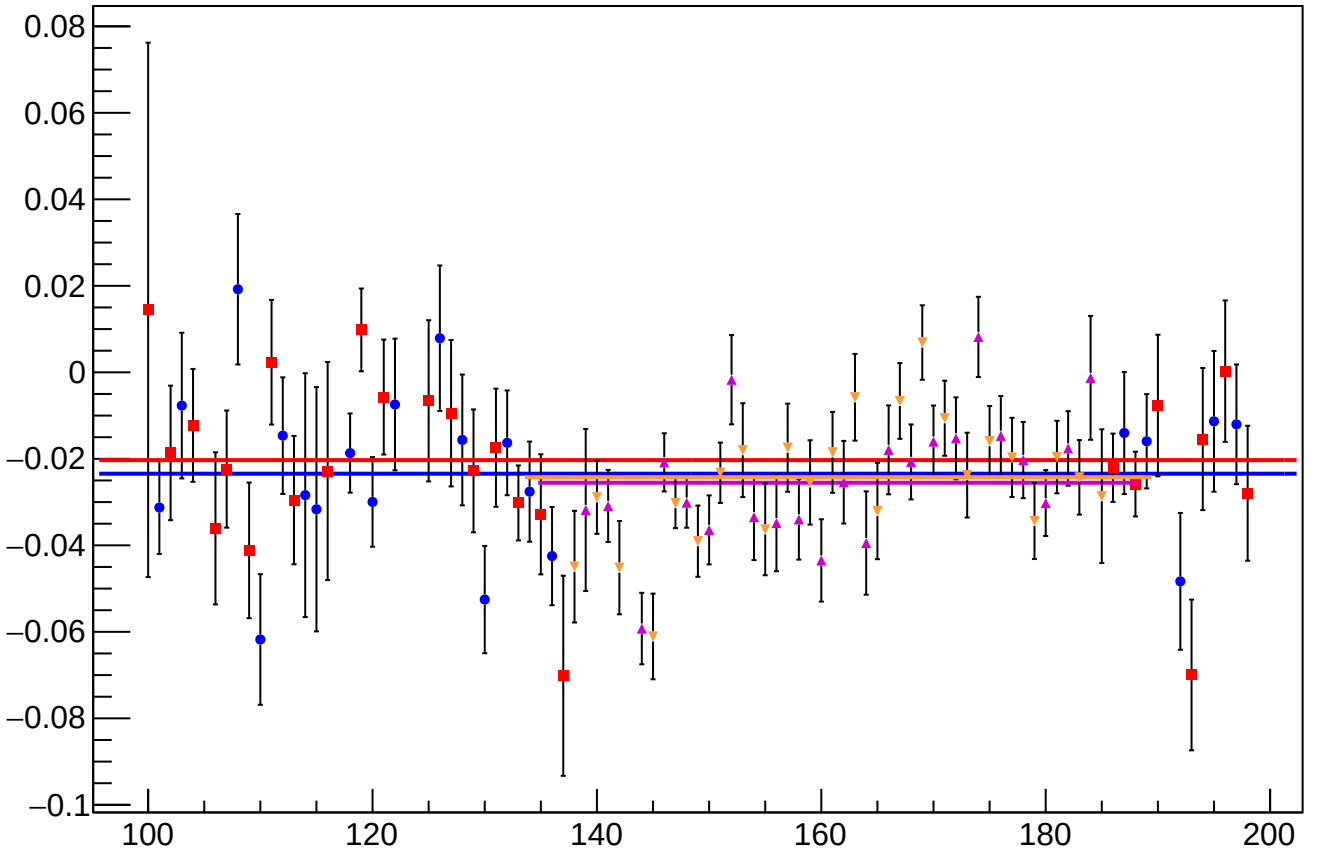
Right Out: -0.026+/-0.002 χ^2/NDF: 1013.0/24

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.010+/-0.002 χ^2/NDF: 1443.1/44

All: -0.013+/-0.001 χ^2/NDF: 2962.1/92

- sign -0.015+/-0.002 χ^2/NDF: 1515.4/47



Right In: -0.023+/-0.003 χ^2/NDF: 33.3/20

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

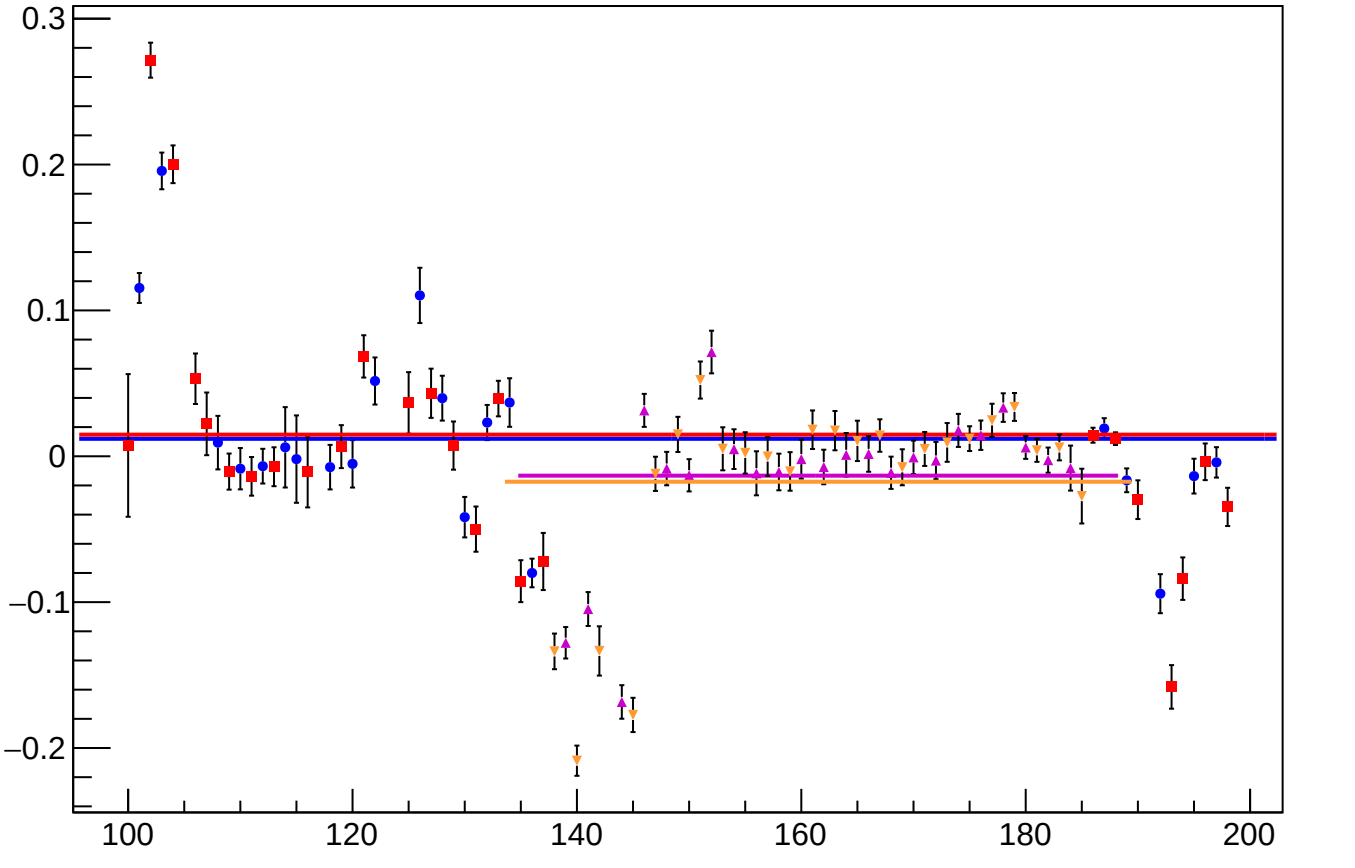
Right Out: -0.020+/-0.003 χ^2/NDF: 36.3/24

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 87.1/44

All: -0.024+/-0.001 χ^2/NDF: 181.0/92

- sign -0.024+/-0.002 χ^2/NDF: 93.9/47



Right In: 0.012+/-0.003 χ^2/NDF: 547.8/20

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

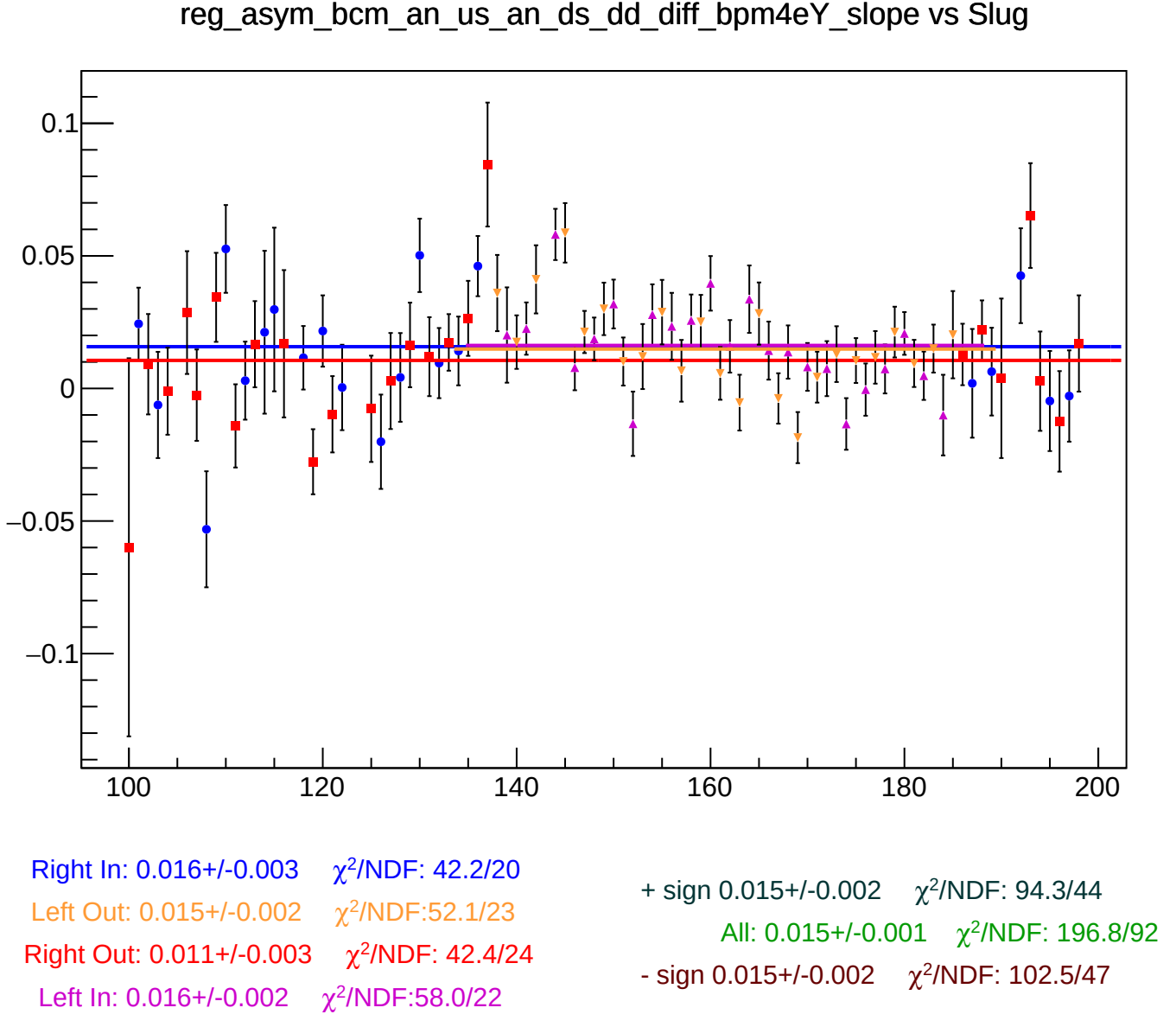
Right Out: 0.015+/-0.002 χ^2/NDF: 997.3/24

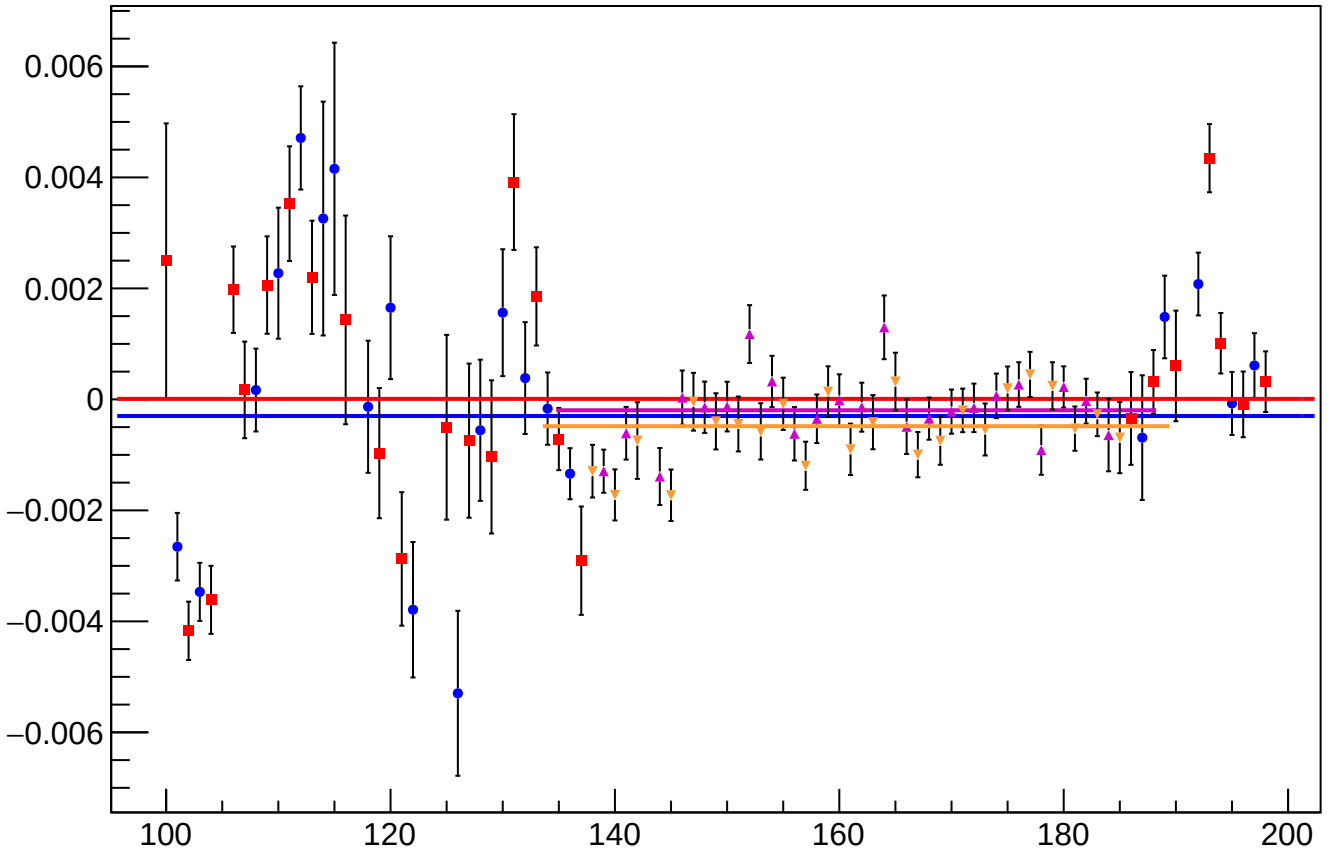
Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.005+/-0.002 χ^2/NDF: 1426.1/44

All: -0.001+/-0.001 χ^2/NDF: 2961.2/92

- sign 0.001+/-0.002 χ^2/NDF: 1528.7/47


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: 42.2/20
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.011+/-0.003 χ²/NDF: 42.4/24
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
+ sign 0.015+/-0.002 χ²/NDF: 94.3/44
All: 0.015+/-0.001 χ²/NDF: 196.8/92
- sign 0.015+/-0.002 χ²/NDF: 102.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 148.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 214.7/24

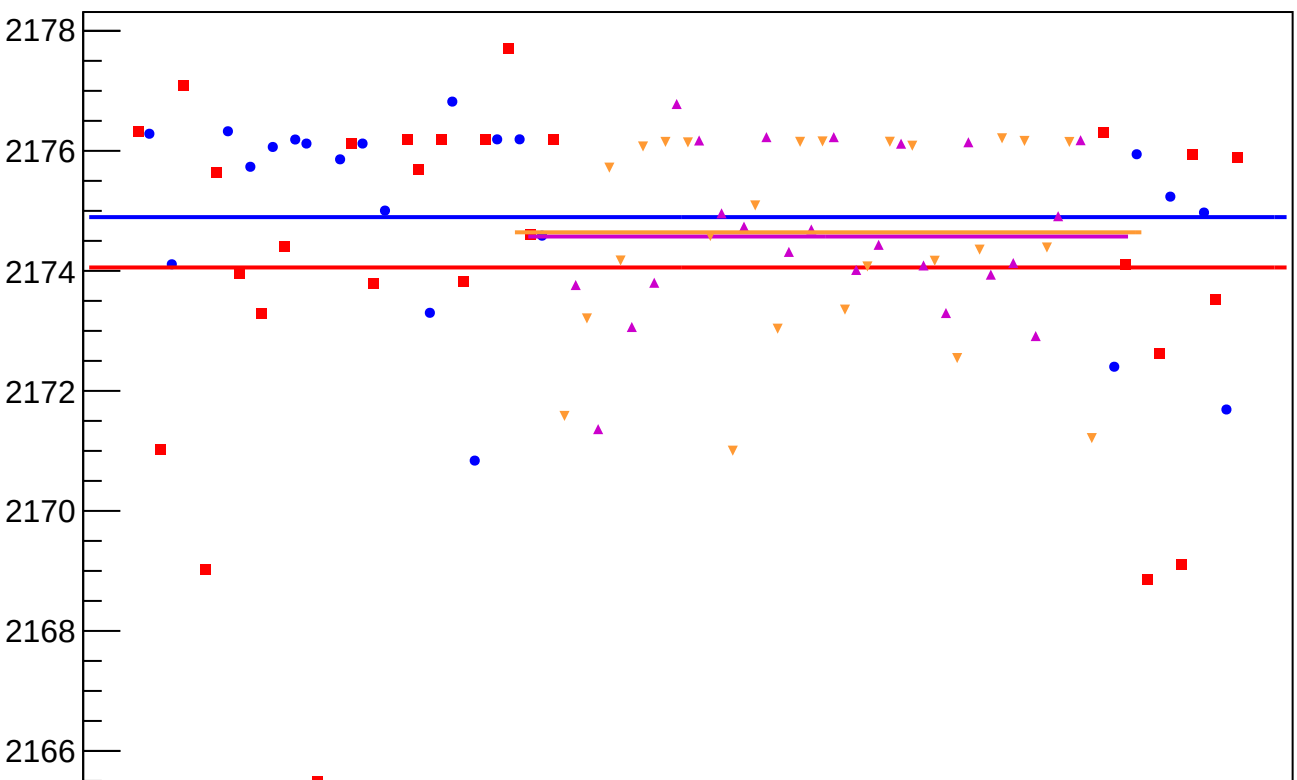
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 190.4/44

All: -0.000+/-0.000 χ^2/NDF: 450.2/92

- sign -0.000+/-0.000 χ^2/NDF: 253.2/47

HALLA_p_mean vs Slug



Right In: 2174.896+/-0.000 χ^2/NDF: 290789974999235707833423079931904 0.0/20

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

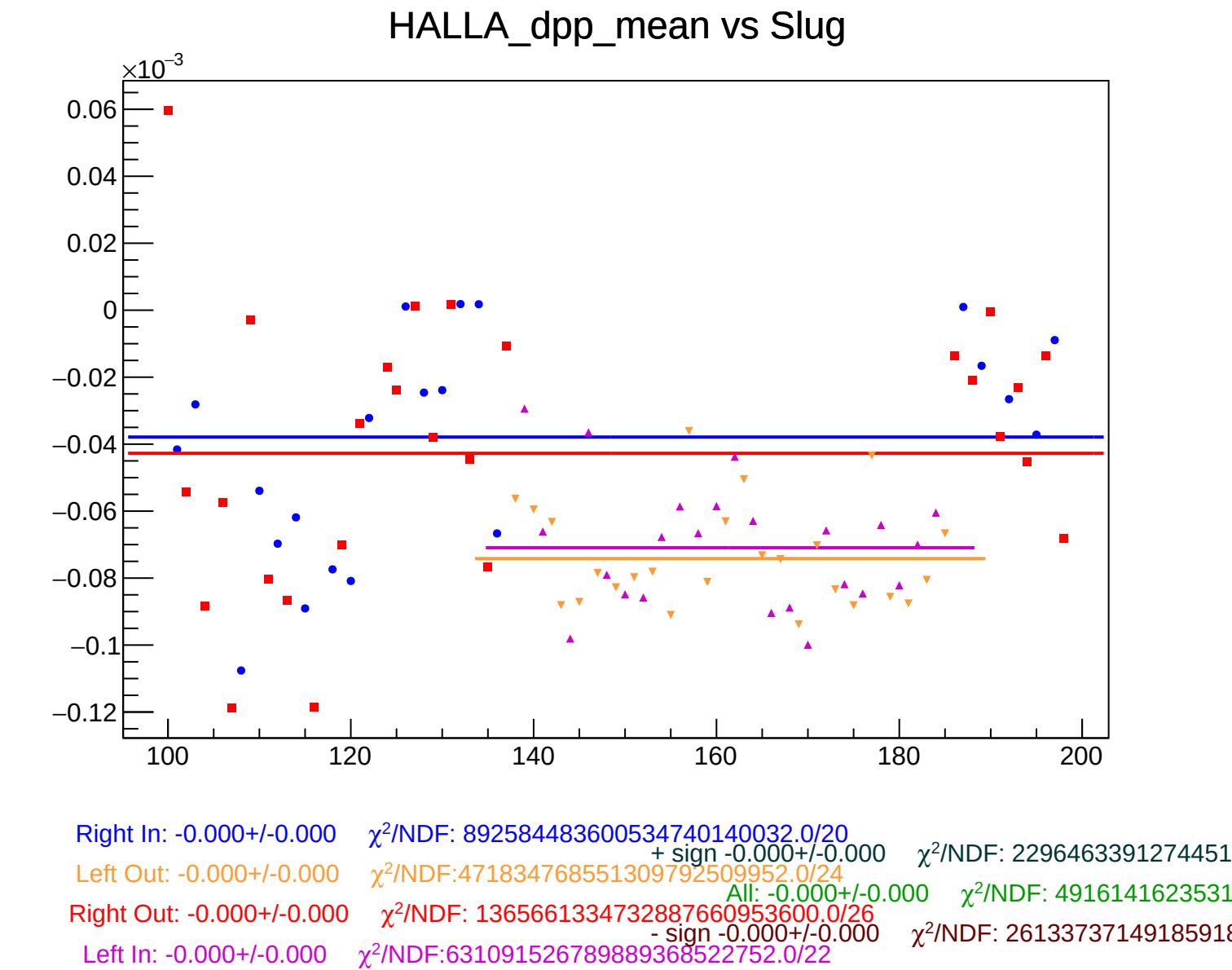
Right Out: 2174.057+/-0.000 χ^2/NDF: 935269271496885542761430546330419 2.0/26

Left In: 2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

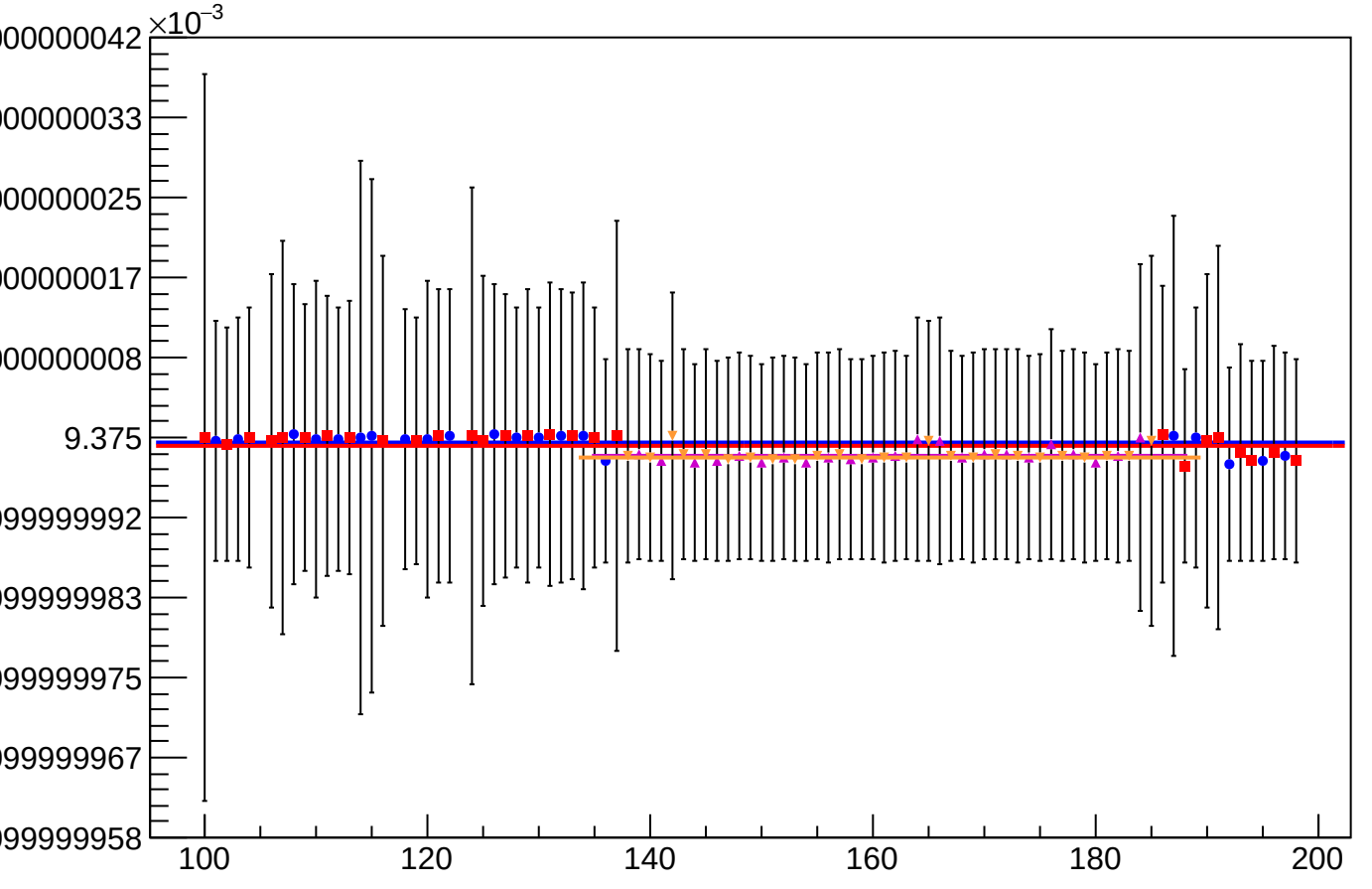
+ sign 2174.731+/-0.000 χ^2/NDF: 8164969051037

All: 2174.544+/-0.000 χ^2/NDF: 213696127

- sign 2174.363+/-0.000 χ^2/NDF: 1299029610317


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: 8925844836005347401400320/20
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: -0.000+/-0.000 χ²/NDF: 13656613347328876609536000/26
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 2296463391274451
All: -0.000+/-0.000 χ²/NDF: 4916141623531
- sign -0.000+/-0.000 χ²/NDF: 26133737149185918

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/26

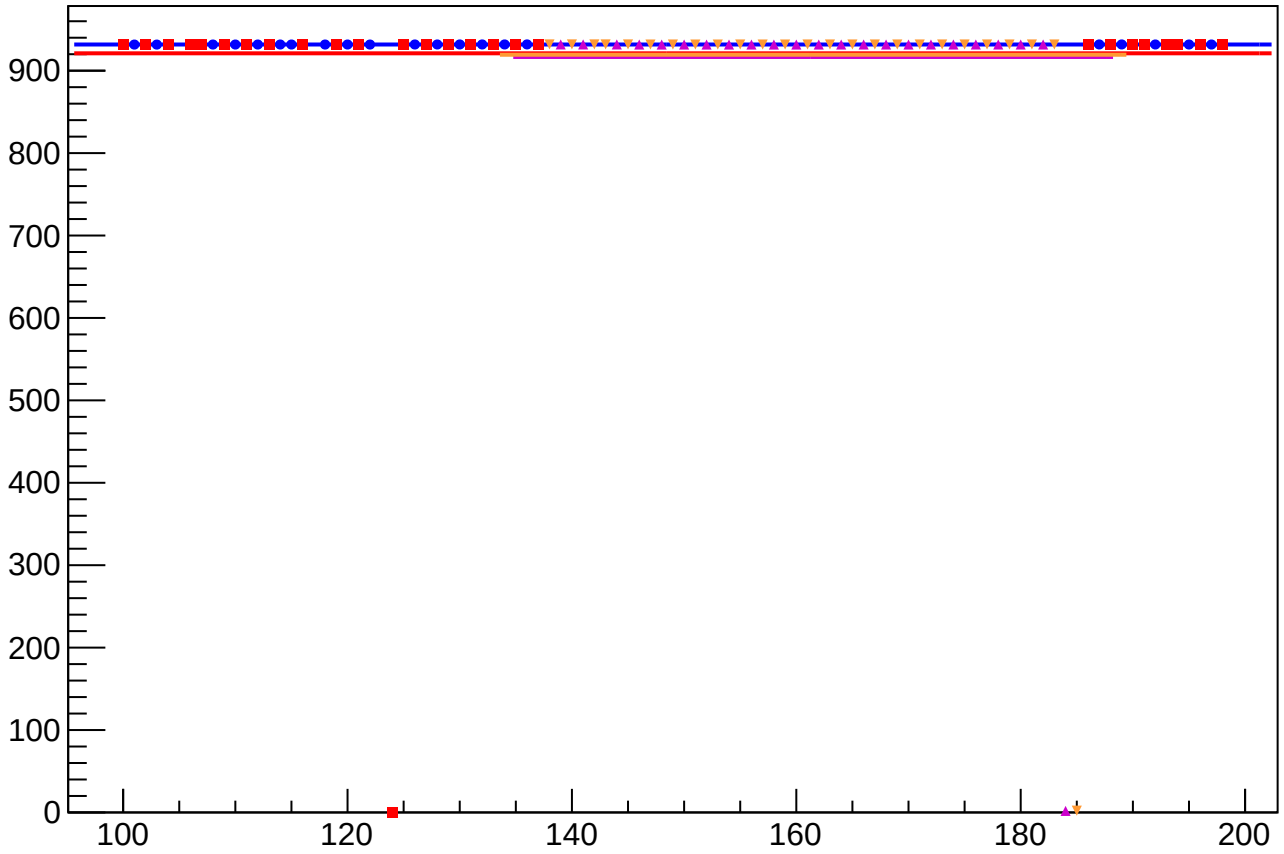
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.8/95

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.777+/-0.000 χ^2/NDF: 3182259391980394317402416873472.0/20

+ sign 923.704+/-0.000 χ^2/NDF: 231304031142544

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

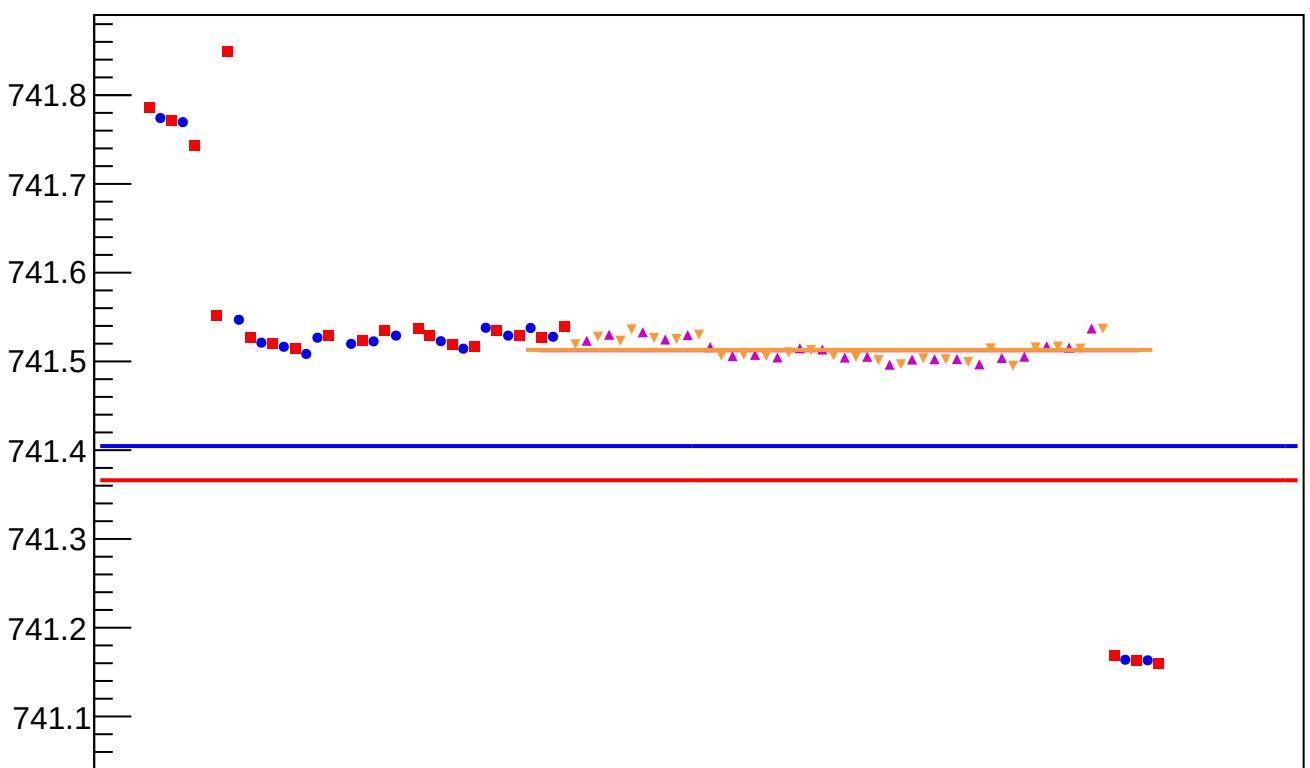
All: 921.037+/-0.000 χ^2/NDF: 624317559470

Right Out: 921.087+/-0.000 χ^2/NDF: 1287289408902968761186705756805870 3872.0/26

- sign 918.458+/-0.000 χ^2/NDF: 392578764846755

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.405+/-0.000 χ^2/NDF: 700709779168412110514894667776000.0/20

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.366+/-0.000 χ^2/NDF: 91258337436408266636202111664128.0/26

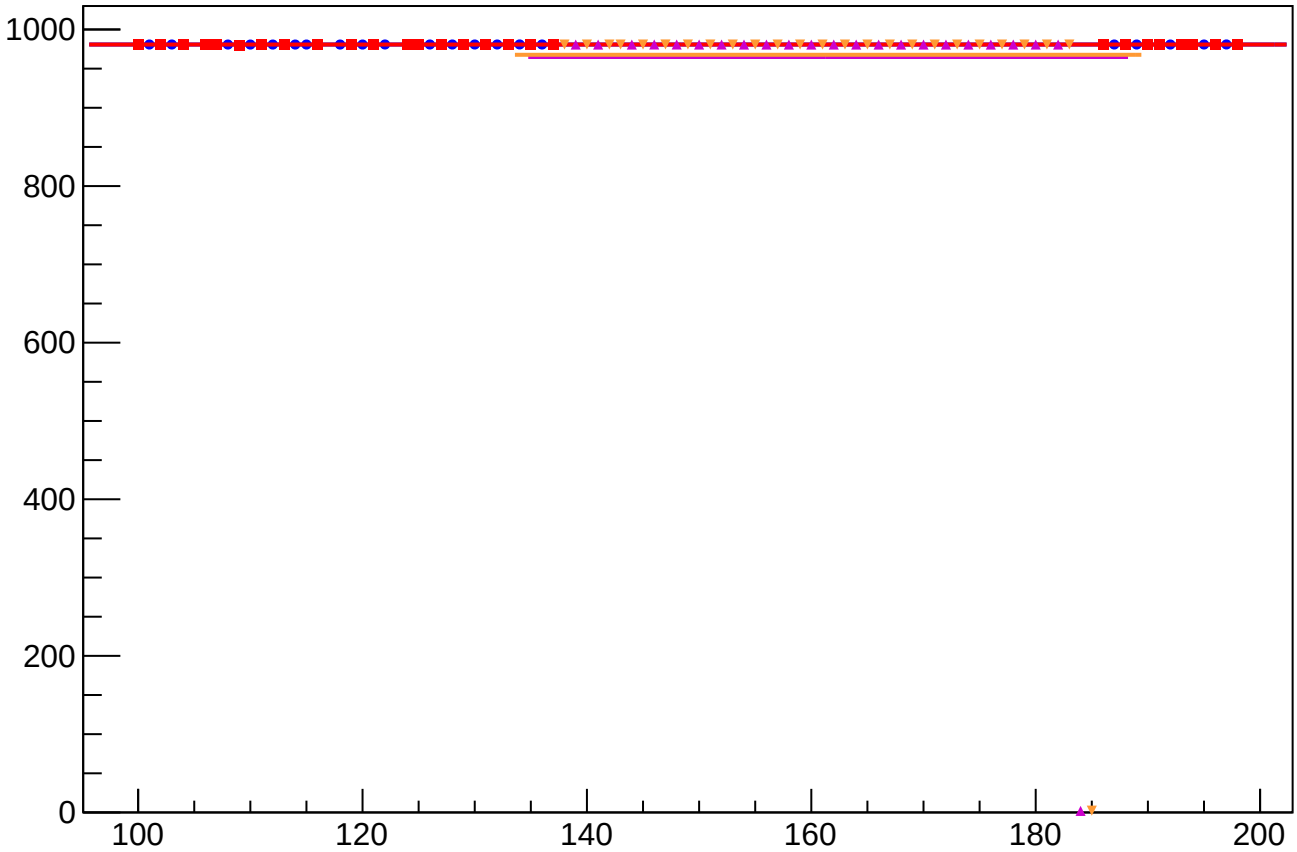
Left In: 741.513+/-0.000 χ^2/NDF:23470398303008542318589588 2752.0/22

+ sign 741.475+/-0.000 χ^2/NDF: 786261410960908

All: 741.464+/-0.000 χ^2/NDF: 187513596502

- sign 741.453+/-0.000 χ^2/NDF: 108123563549858

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.808+/-0.000 χ^2/NDF: 135321444574822124986372089446 4.0/20

+ sign 972.279+/-0.000 χ^2/NDF: 256271287131100

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369 2672.0/24

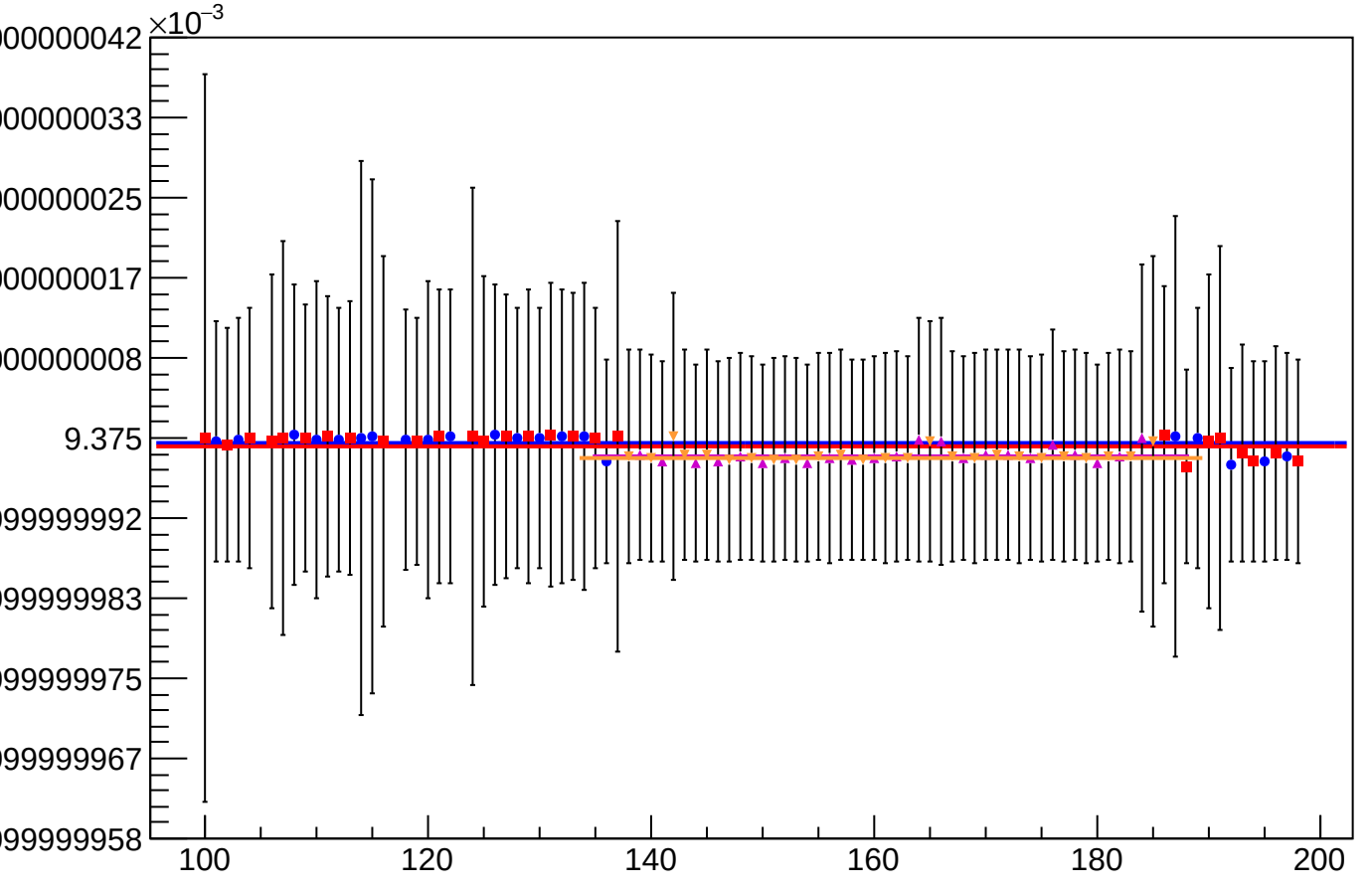
All: 971.797+/-0.000 χ^2/NDF: 55040999572

Right Out: 980.776+/-0.000 χ^2/NDF: 6337044260494635835977530710 4256.0/26

- sign 971.331+/-0.000 χ^2/NDF: 294124495619497

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: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/26

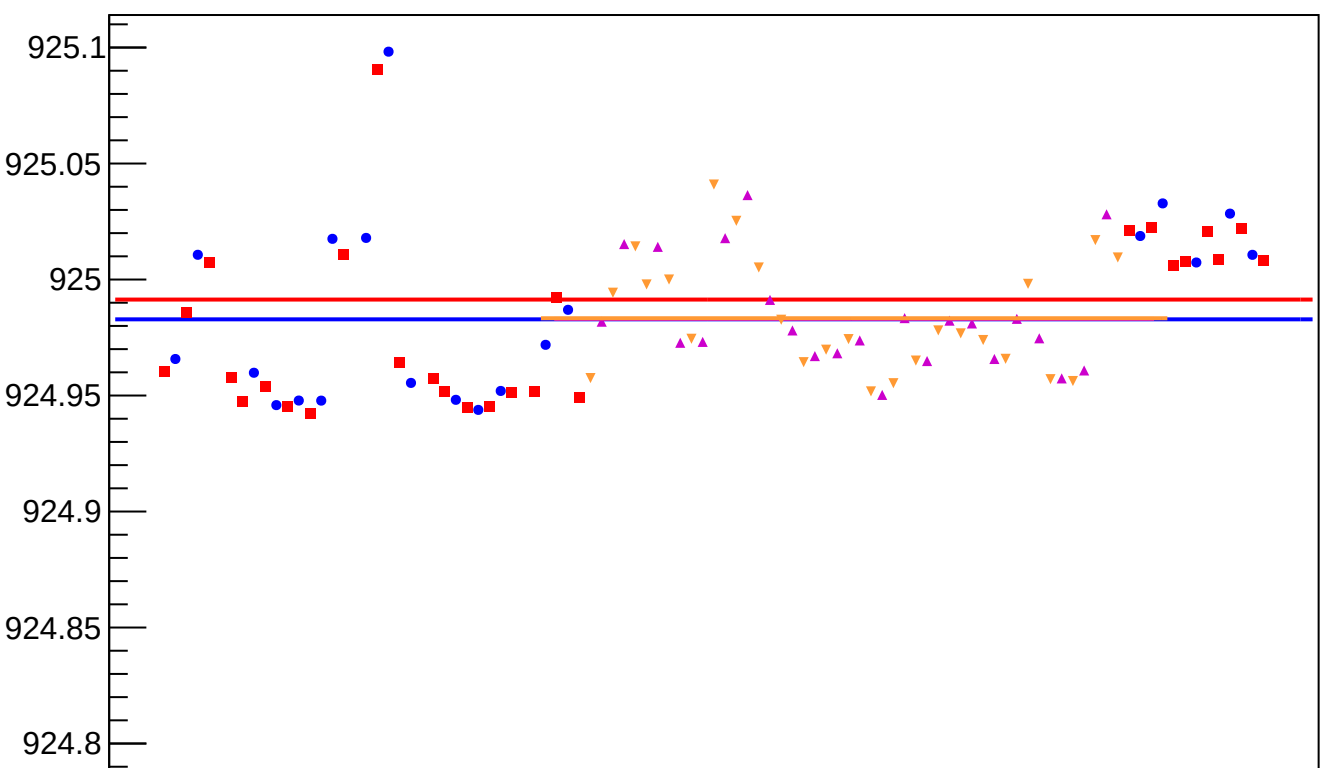
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.8/95

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.983+/-0.000 χ^2/NDF: 3222916970360606124249096126464.0/20

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.991+/-0.000 χ^2/NDF: 1816754931499636315168073318400.0/26

Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.983+/-0.000 χ^2/NDF: 438418482504337

All: 924.985+/-0.000 χ^2/NDF: 720013822065

- sign 924.986+/-0.000 χ^2/NDF: 279913377182833

HacR_D1_HP3458A_IOUT_mean vs Slug

Right In: 762.588+/-0.000 χ^2/NDF: 535090135553968030519126791290880.0/20

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 752.154+/-0.000 χ^2/NDF: 729749036773340497360556349525170585 6.0/26

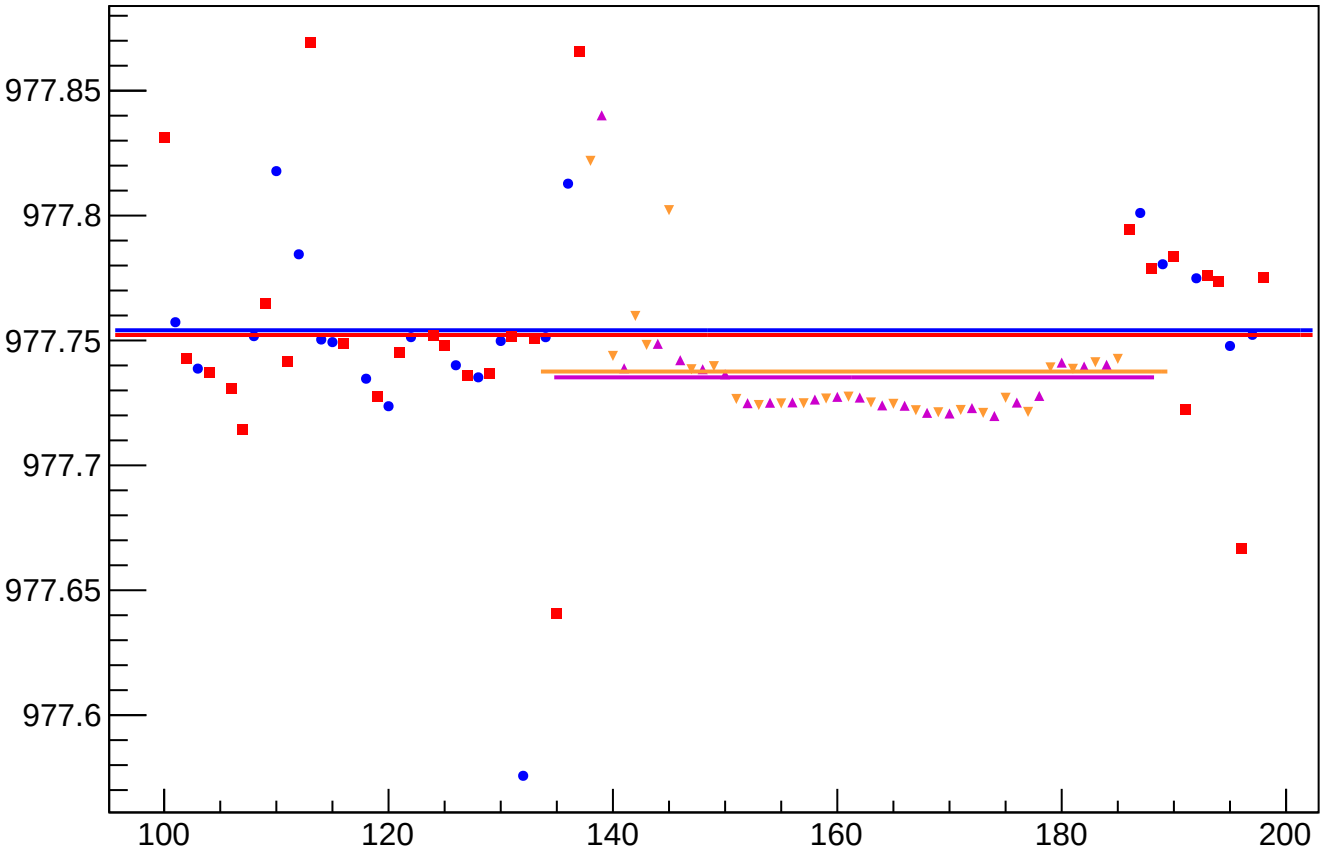
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.543+/-0.000 χ^2/NDF: 576796036526271

All: 760.387+/-0.000 χ^2/NDF: 740924195339

- sign 758.302+/-0.000 χ^2/NDF: 738078566401897

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.754+/-0.000 χ^2/NDF: 21032941303868552544574347673600.0/20

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.752+/-0.000 χ^2/NDF: 27351176692807969547394922577920.0/26

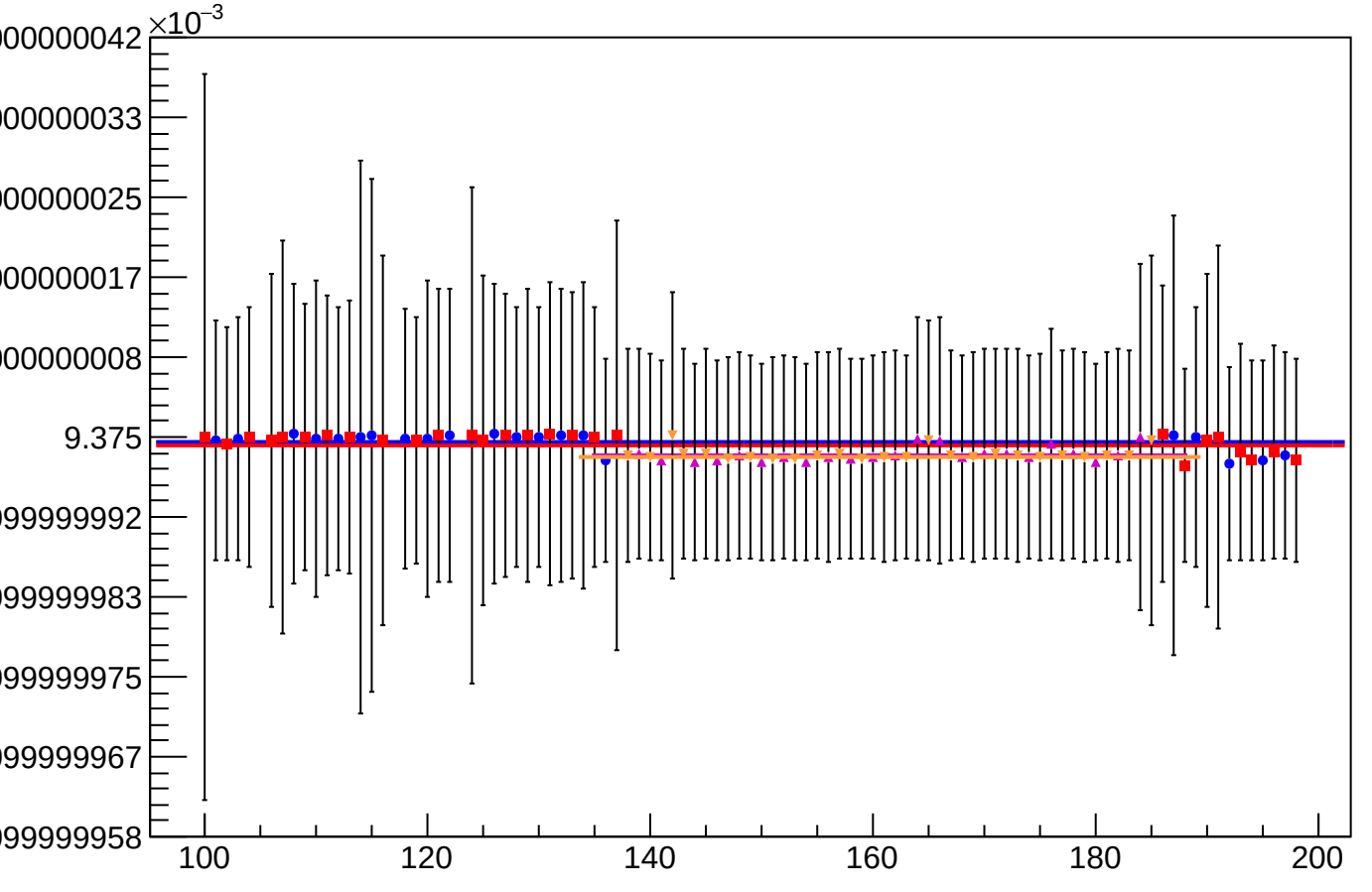
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

+ sign 977.743+/-0.000 χ^2/NDF: 347487413329088

All: 977.743+/-0.000 χ^2/NDF: 753196037766

- sign 977.742+/-0.000 χ^2/NDF: 405471294221427

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/26

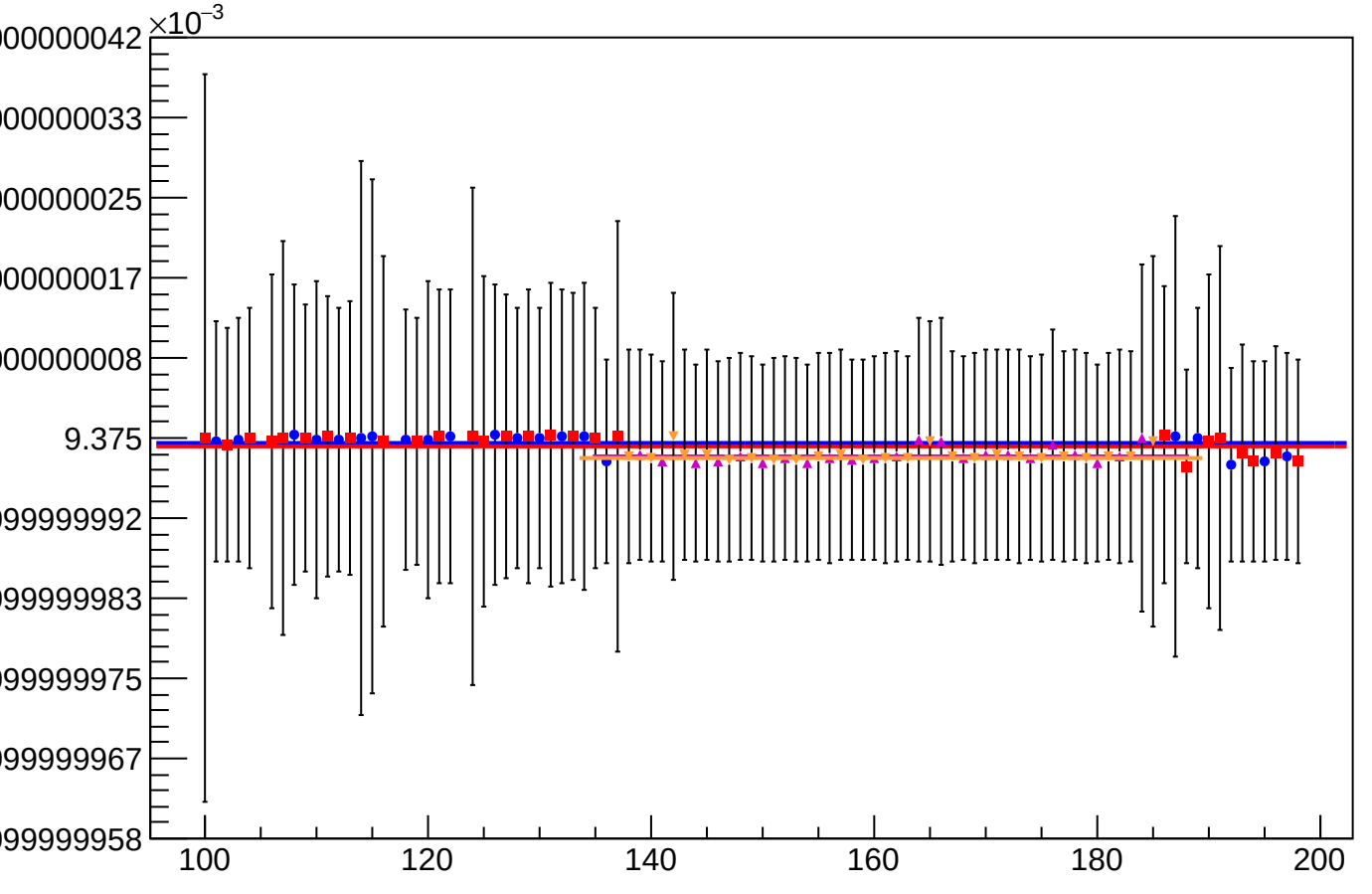
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.8/95

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/26

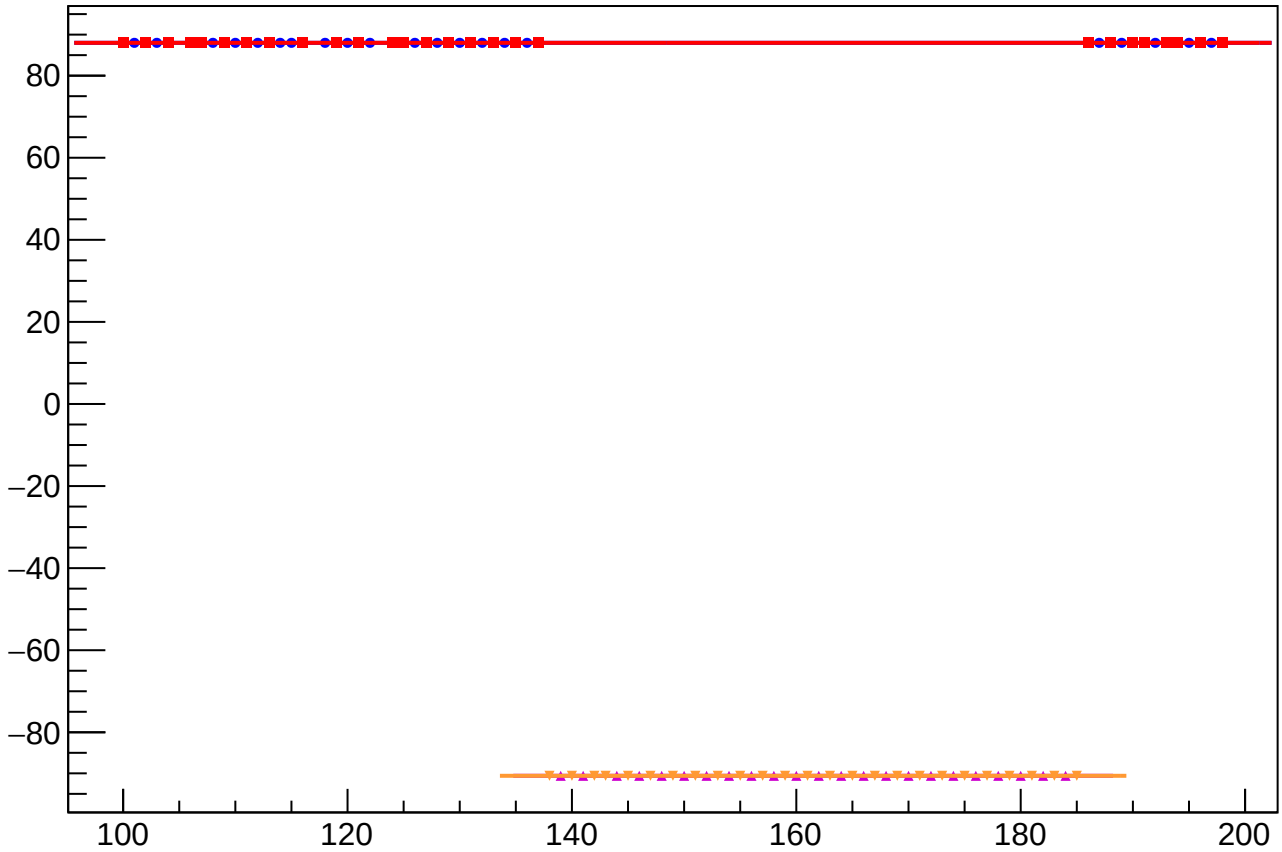
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.8/95

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 2397733.3/20

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF: 755484185763094291547118632960/26

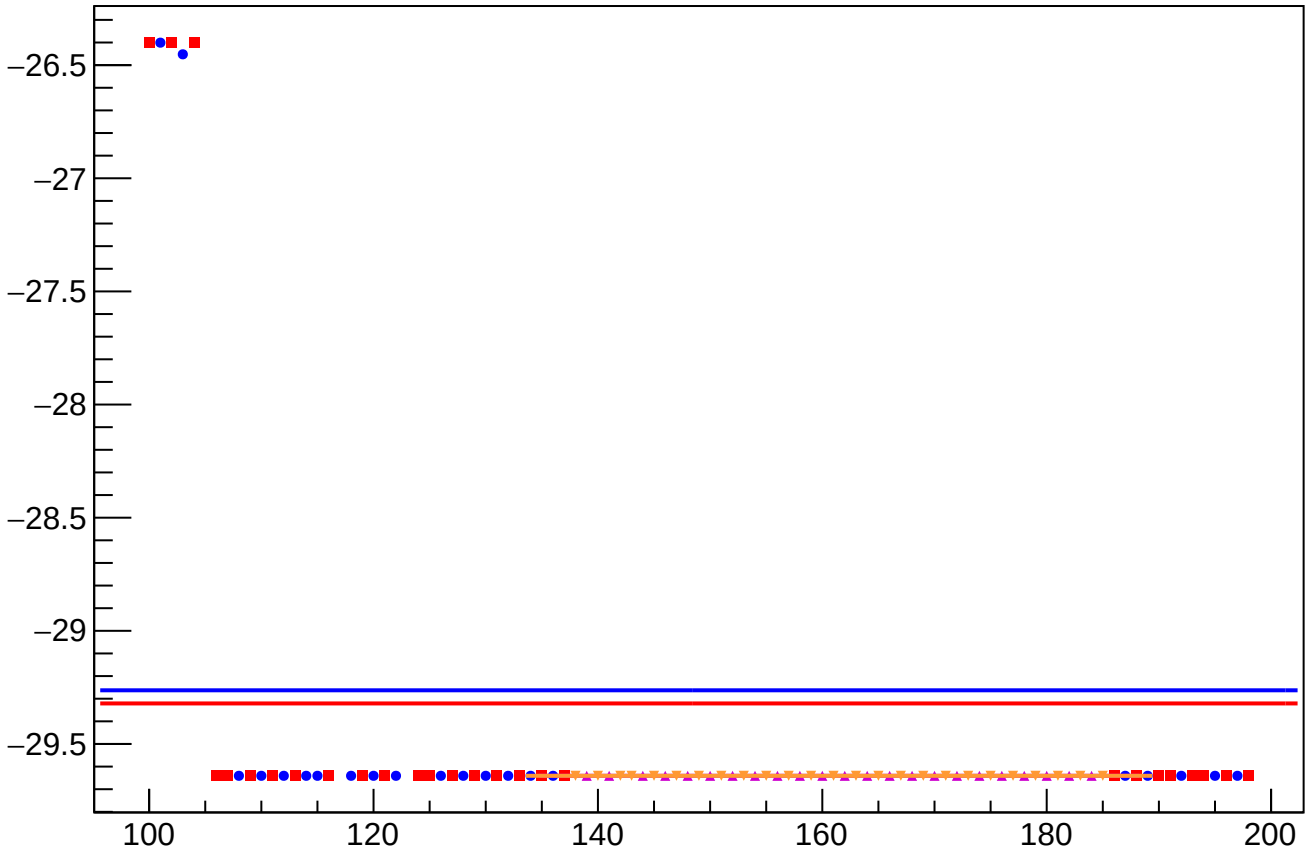
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -28.000+/-0.000 χ^2/NDF: 225616416774766

All: -22.889+/-0.000 χ^2/NDF: 474532357020

- sign -17.947+/-0.000 χ^2/NDF: 2473194913442604

HWienAngle_mean vs Slug



Right In: -29.263+/-0.000 χ^2/NDF: 116738600047226666649076602660454 4.0/20

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

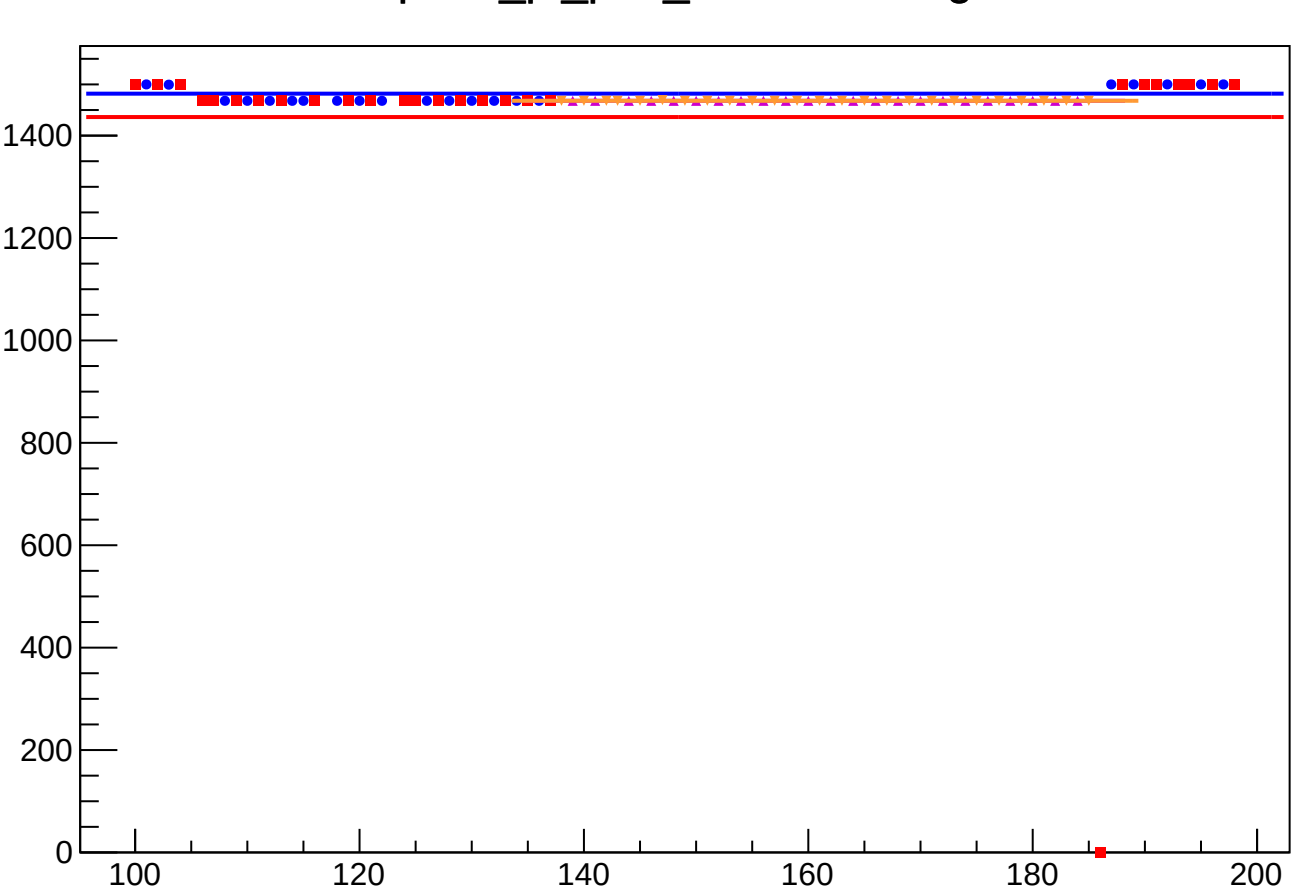
Right Out: -29.321+/-0.000 χ^2/NDF: 122053274001531120721763393916108 8.0/26

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.508+/-0.000 χ^2/NDF: 126836928476710

All: -29.509+/-0.000 χ^2/NDF: 256819850300

- sign -29.511+/-0.000 χ^2/NDF: 129982047731091



Right In: 1481.946+/-0.000 χ^2/NDF: 27359999079316173084139672480566476 8.0/20

+ sign 1472.921+/-0.000 χ^2/NDF: 4103165265684

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

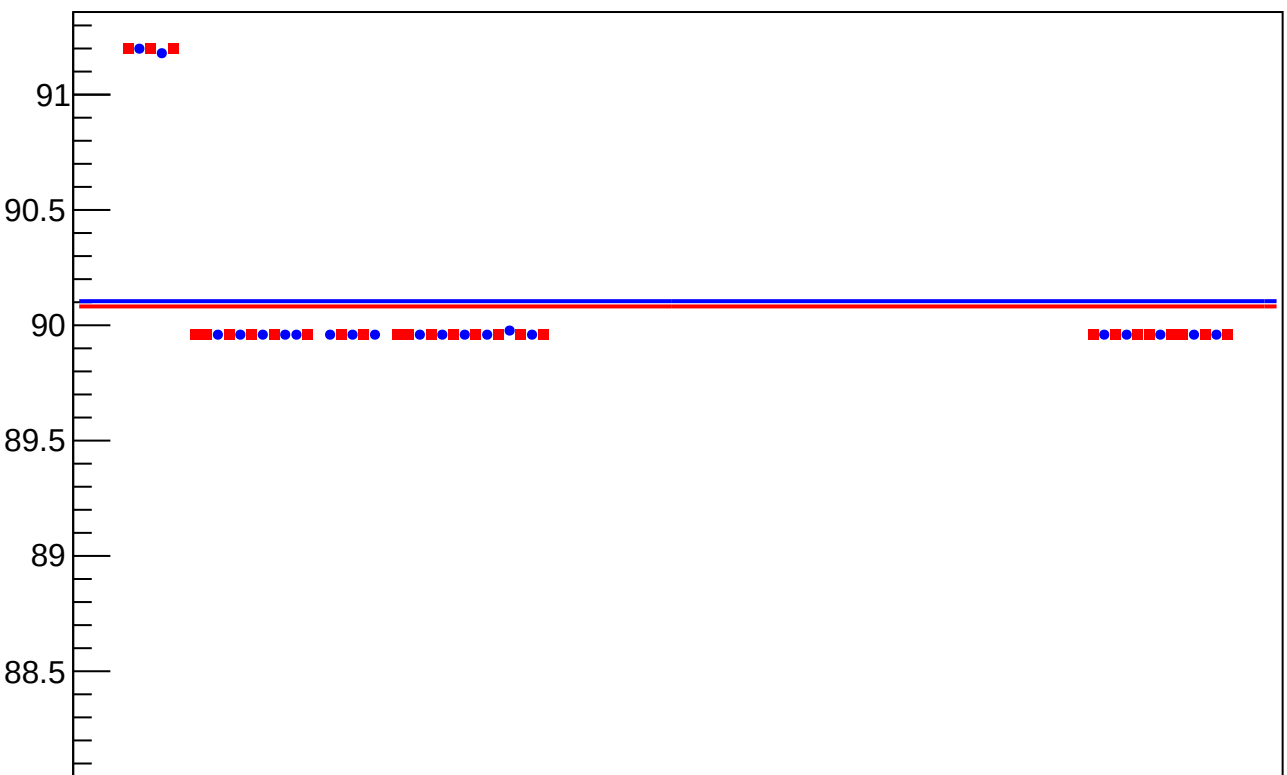
All: 1463.855+/-0.000 χ^2/NDF: 9153297753

Right Out: 1436.266+/-0.000 χ^2/NDF: 898398176612450565124347093001500098 56.0/26

- sign 1455.087+/-0.000 χ^2/NDF: 9062029614657

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Phi_FG_mean vs Slug



Right In: 90.105+/-0.000 χ^2/NDF: 17080004679637834068245888158924 8.0/20

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.082+/-0.000 χ^2/NDF: 17877335210407734228242706255052 8.0/26

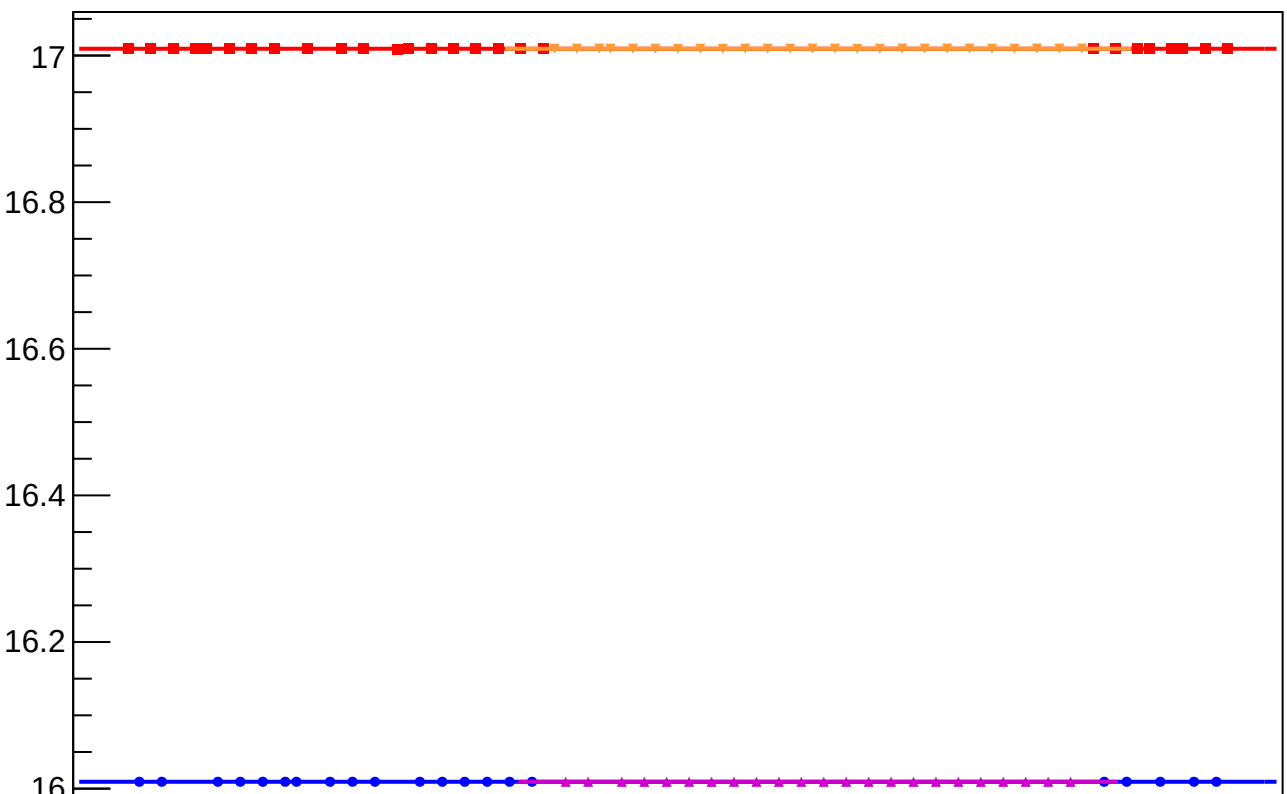
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.751+/-0.000 χ^2/NDF: 3242203438782286

All: 88.806+/-0.000 χ^2/NDF: 673273138193

- sign 88.859+/-0.000 χ^2/NDF: 3472106691820398

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 309258.7/20

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760/24

Right Out: 17.009+/-0.000 χ^2/NDF: 1735010593835772582821888 0.0/26

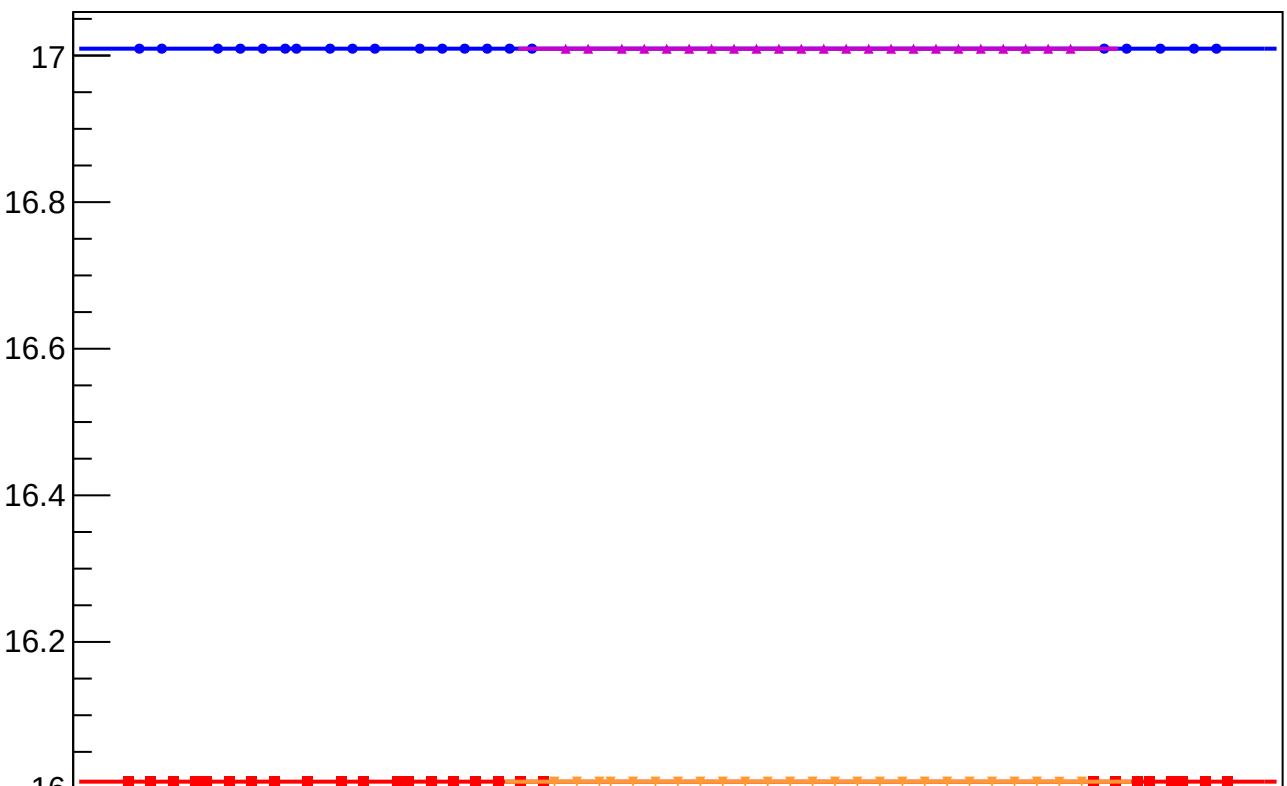
Left In: 16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

+ sign 16.650+/-0.000 χ^2/NDF: 6725417456015466

All: 16.534+/-0.000 χ^2/NDF: 147815196885

- sign 16.421+/-0.000 χ^2/NDF: 7278300893392338

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 230852.3/20

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 332798.3/26

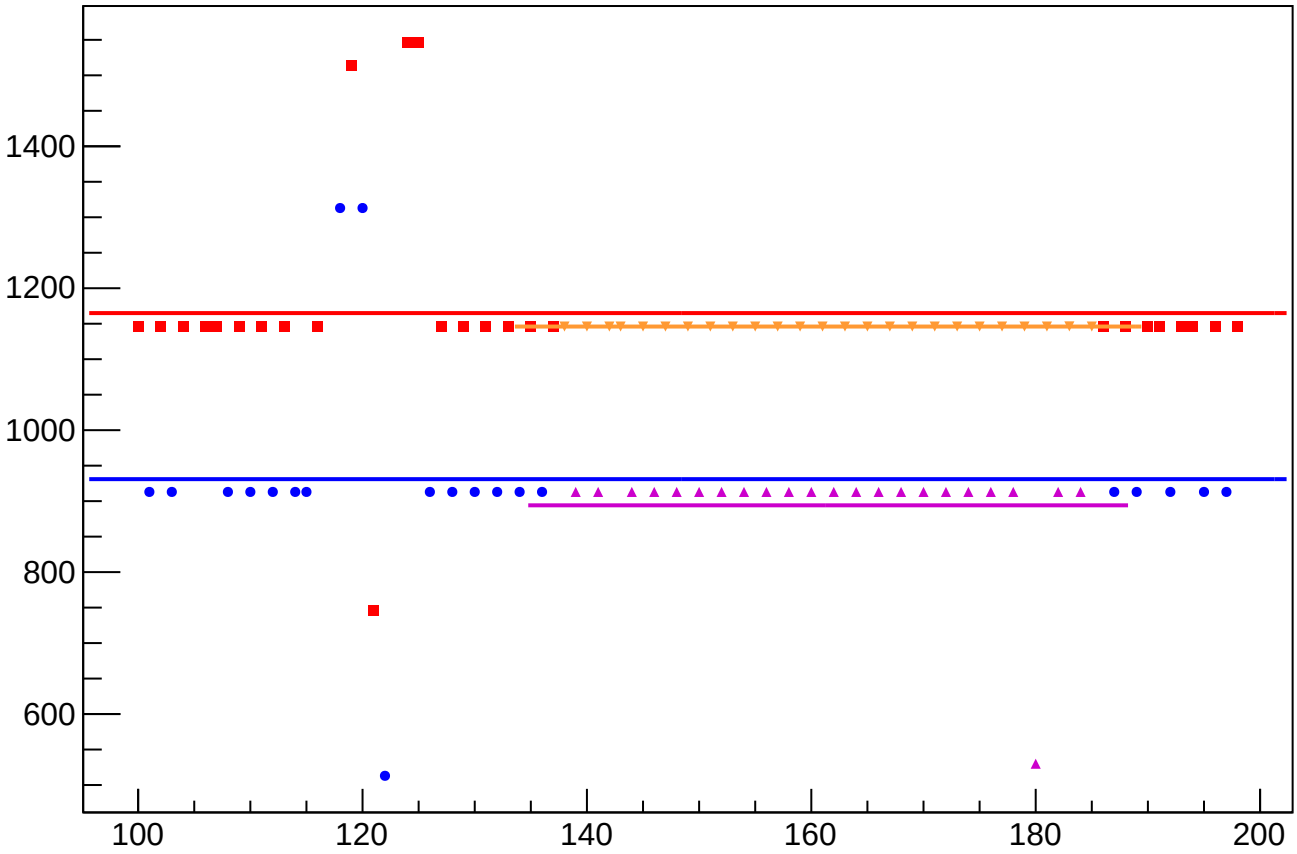
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.356+/-0.000 χ^2/NDF: 6897252961826184

All: 16.479+/-0.000 χ^2/NDF: 1546698151149

- sign 16.597+/-0.000 χ^2/NDF: 7662256897274122

RTPAPOSUCNT_mean vs Slug



Right In: 930.993+/-0.000 χ^2/NDF: 212486107296136865461603395590894387 20.0/20

+ sign 1070.653+/-0.000 χ^2/NDF: 539520000655 83

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

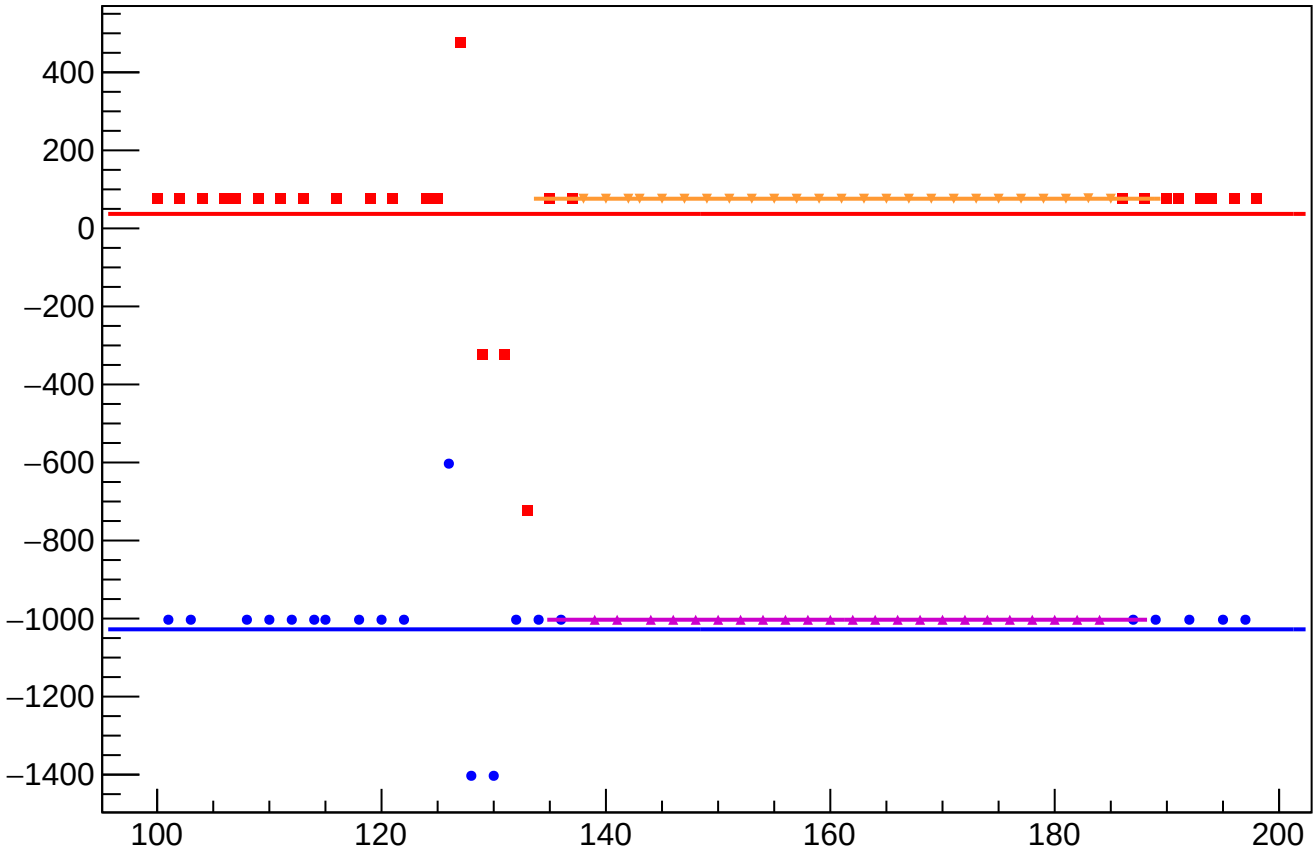
All: 1036.918+/-0.000 χ^2/NDF: 153380022 78

Right Out: 1164.985+/-0.000 χ^2/NDF: 22475766099128152402519712961073774592.0/26

- sign 1004.296+/-0.000 χ^2/NDF: 924727377361 58

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1027.599+/-0.000 χ^2/NDF: 2318010356868973575220724887643278540 8.0/20

+ sign -310.776+/-0.000 χ^2/NDF: 8847135803933

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

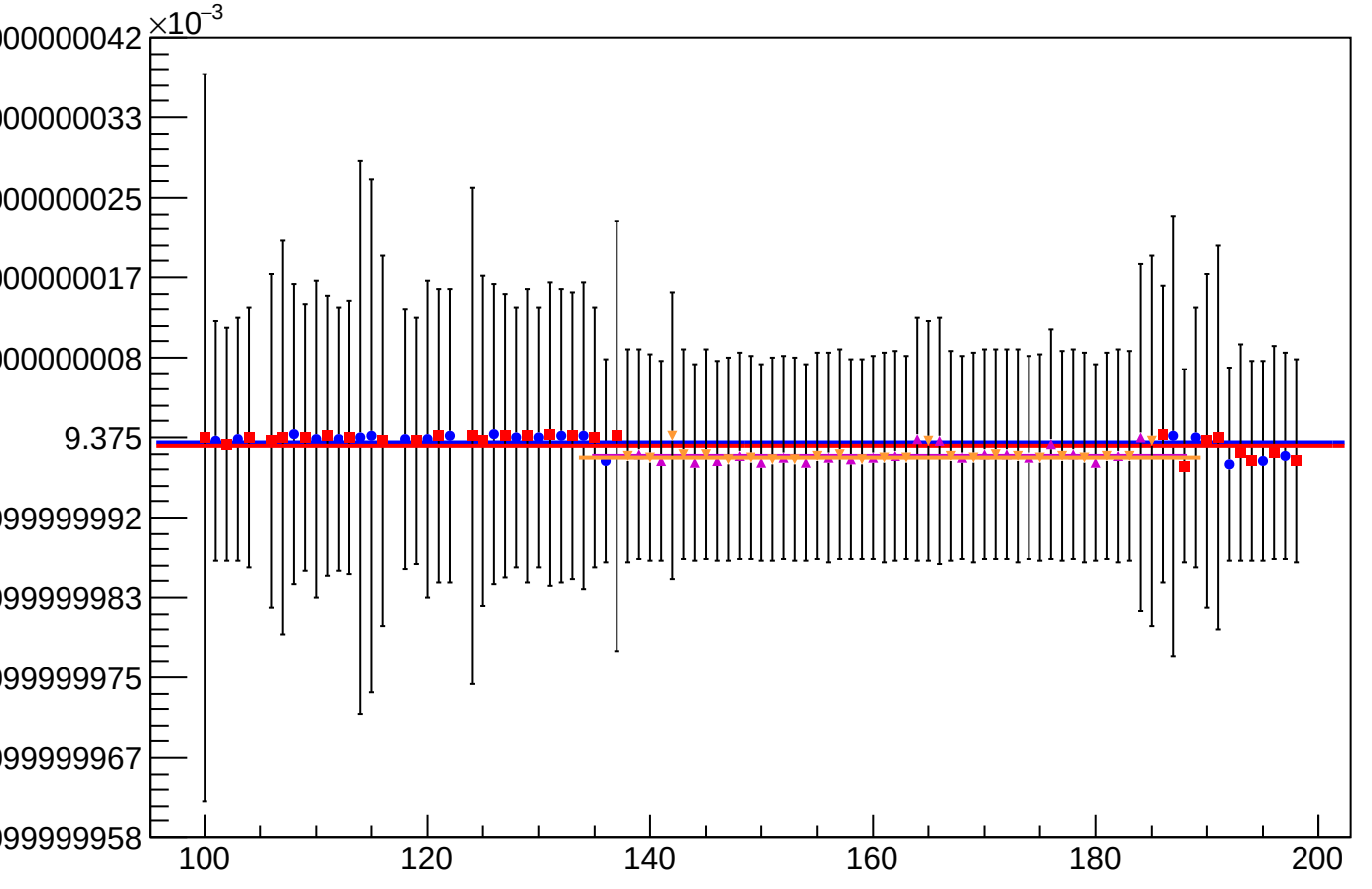
All: -447.585+/-0.000 χ^2/NDF: 1885376101

Right Out: 37.142+/-0.000 χ^2/NDF: 4746524582822622588247537282518194585 6.0/26

- sign -579.880+/-0.000 χ^2/NDF: 886277787518048

Left In: -1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/26

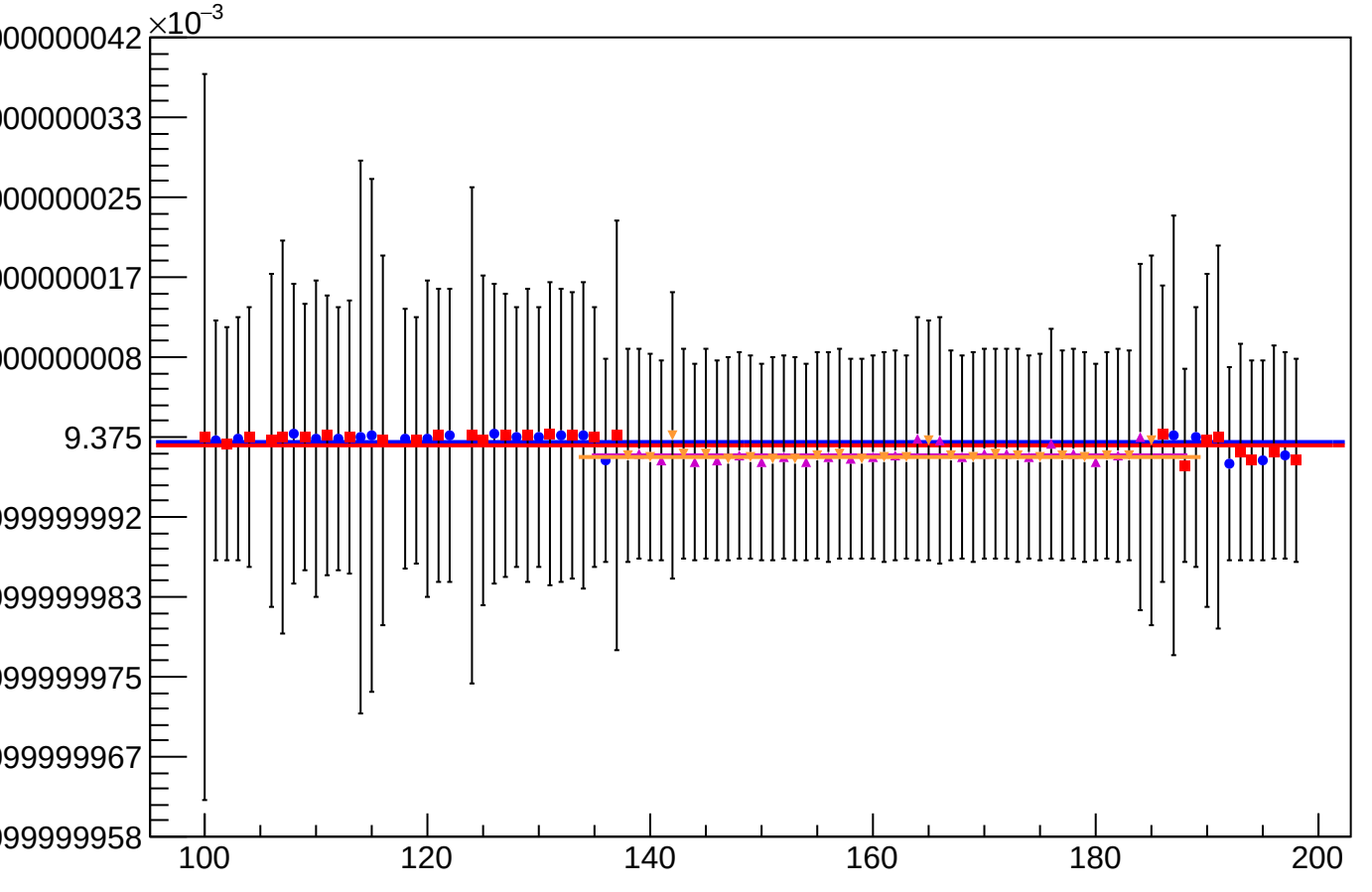
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.8/95

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.8/95

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49