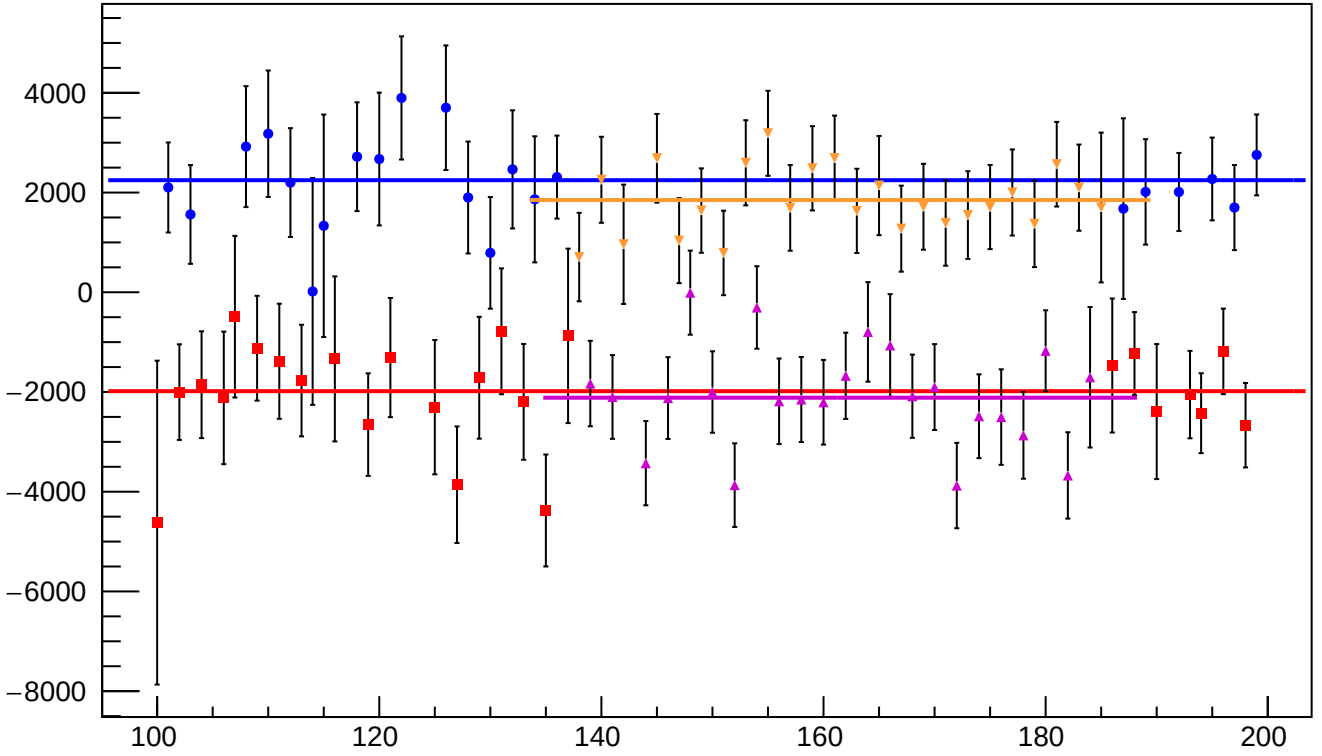
reg_asym_us_avg_mean vs Slug



Right In: 2247.769+/-229.249 χ^2/NDF: 8.9/21

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

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

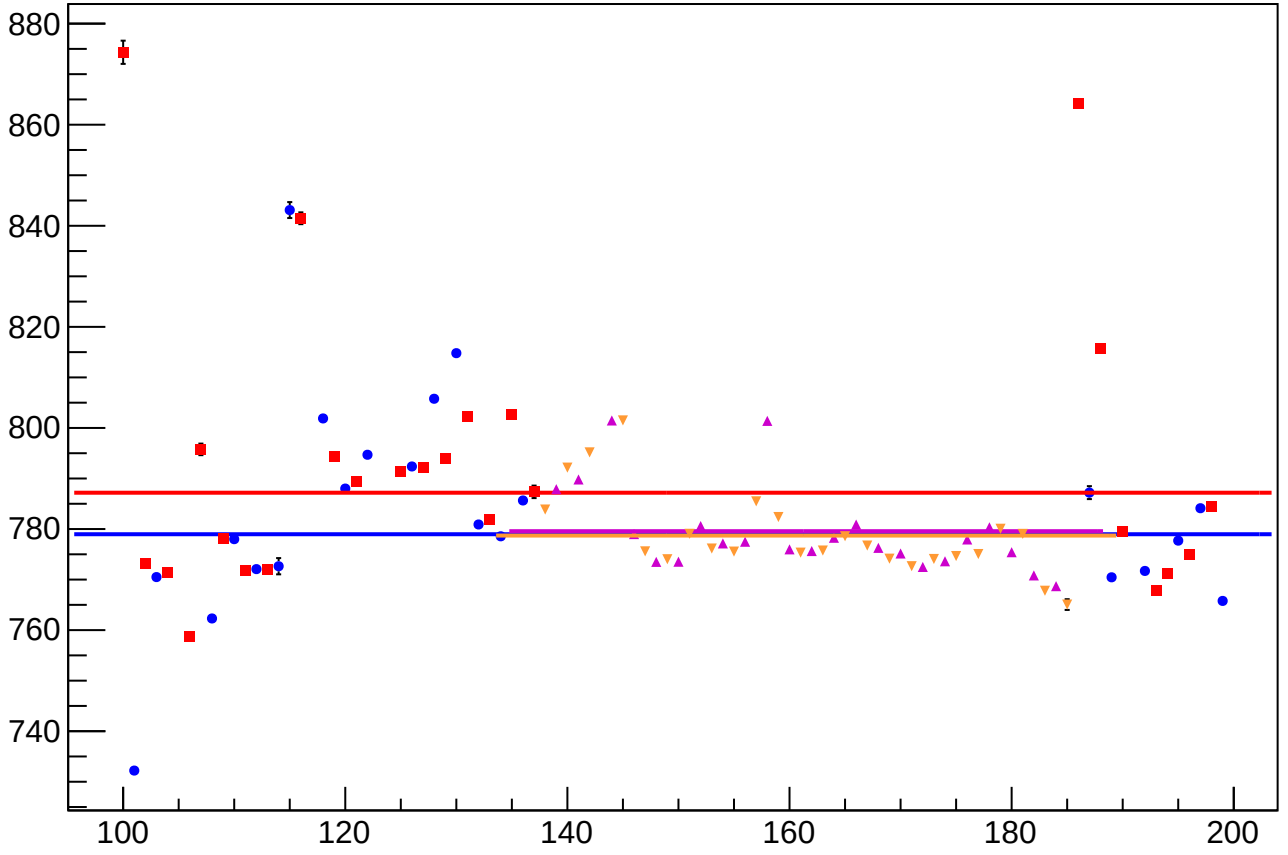
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2002.219+/-141.933 χ^2/NDF: 23.6/45

All: -42.137+/-100.061 χ^2/NDF: 482.2/93

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

reg_asym_us_avg_rms vs Slug



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

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

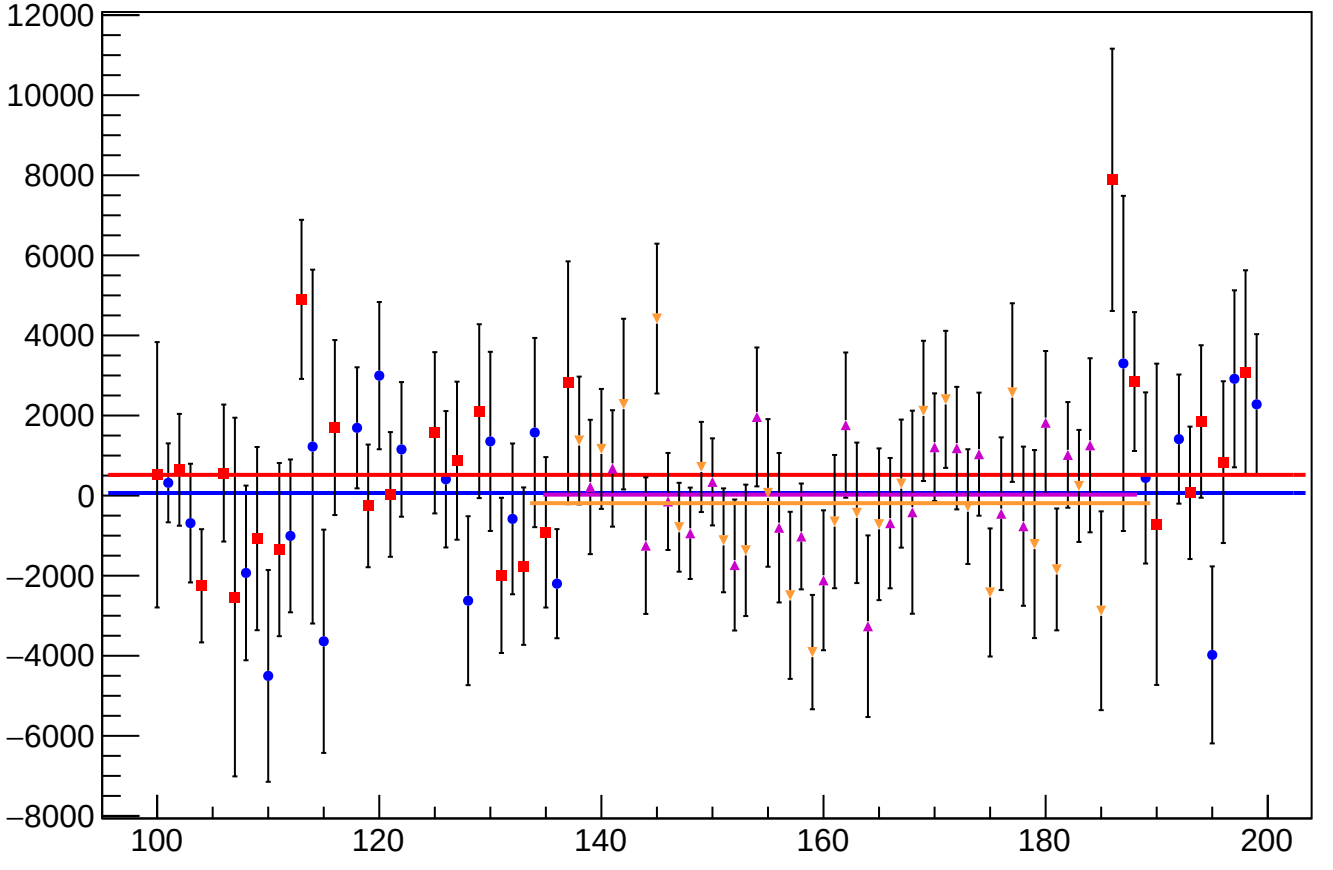
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 778.810+/-0.100 χ^2/NDF: 16830.7/45

All: 780.723+/-0.071 χ^2/NDF: 41550.0/93

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

asym_us_avg_reg_correction_mean vs Slug



Right In: 65.239+/-390.945 χ^2/NDF: 23.6/21

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

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

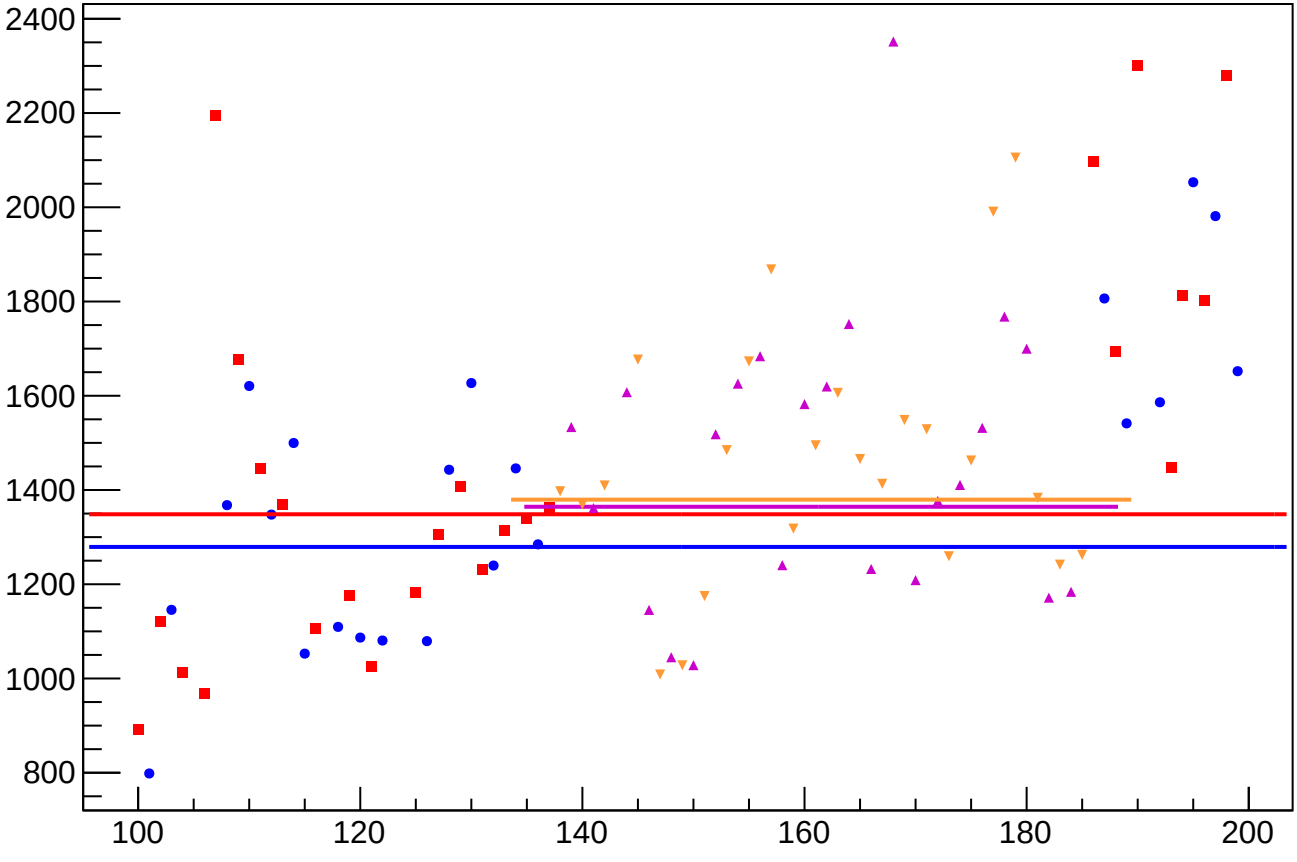
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -84.096+/-251.129 χ^2/NDF: 53.5/45

All: 69.111+/-177.779 χ^2/NDF: 93.3/93

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

asym_us_avg_reg_correction_rms vs Slug



Right In: 1279.180+/-0.276 χ^2/NDF: 1394844.8/21

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

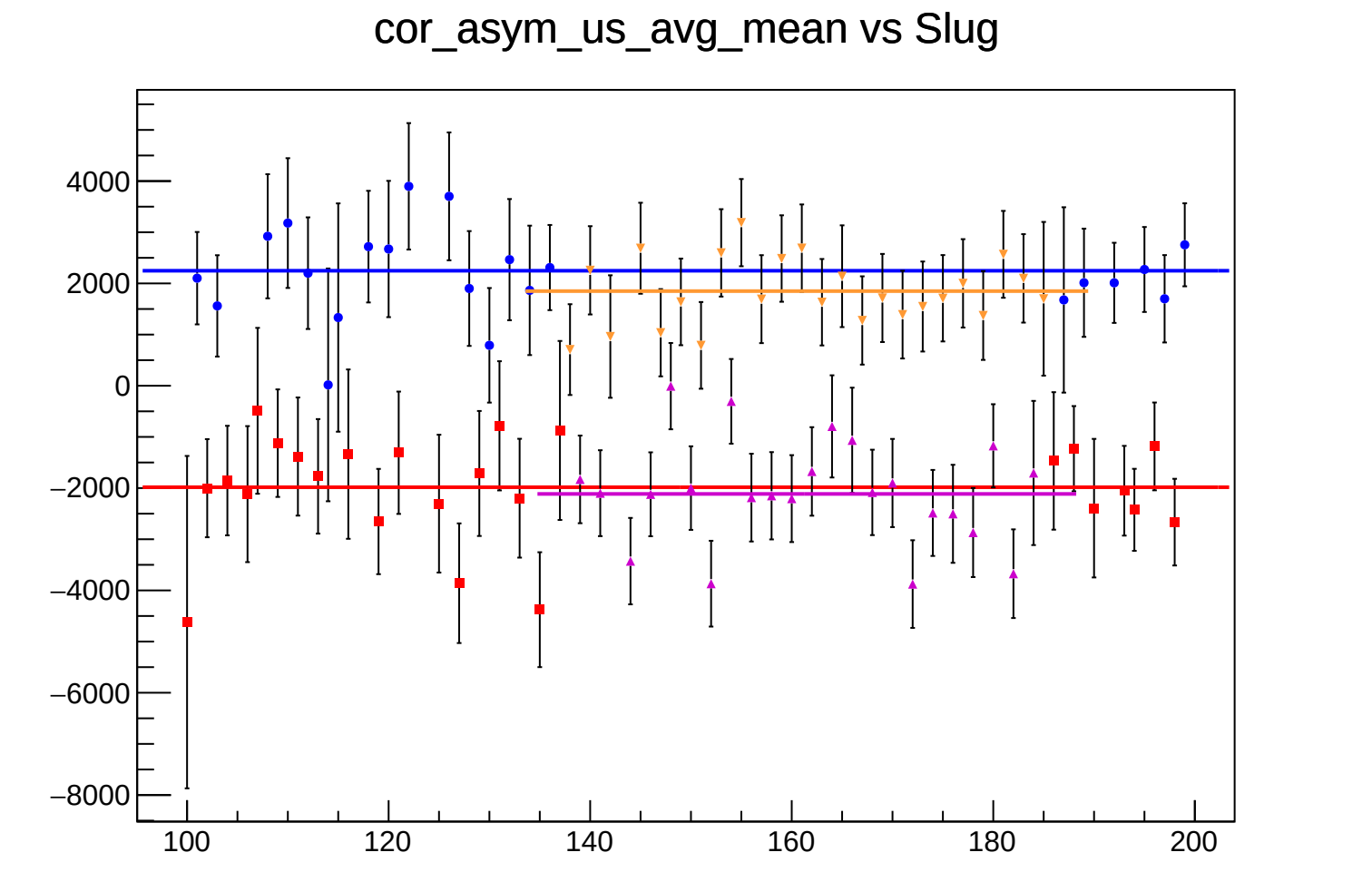
Right Out: 1348.510+/-0.280 χ^2/NDF: 1372271.2/24

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

+ sign 1338.126+/-0.178 χ^2/NDF: 2630723.1/45

All: 1348.041+/-0.126 χ^2/NDF: 5323463.9/93

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



Right In: 2247.769+/-229.249 χ^2/NDF: 8.9/21

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

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

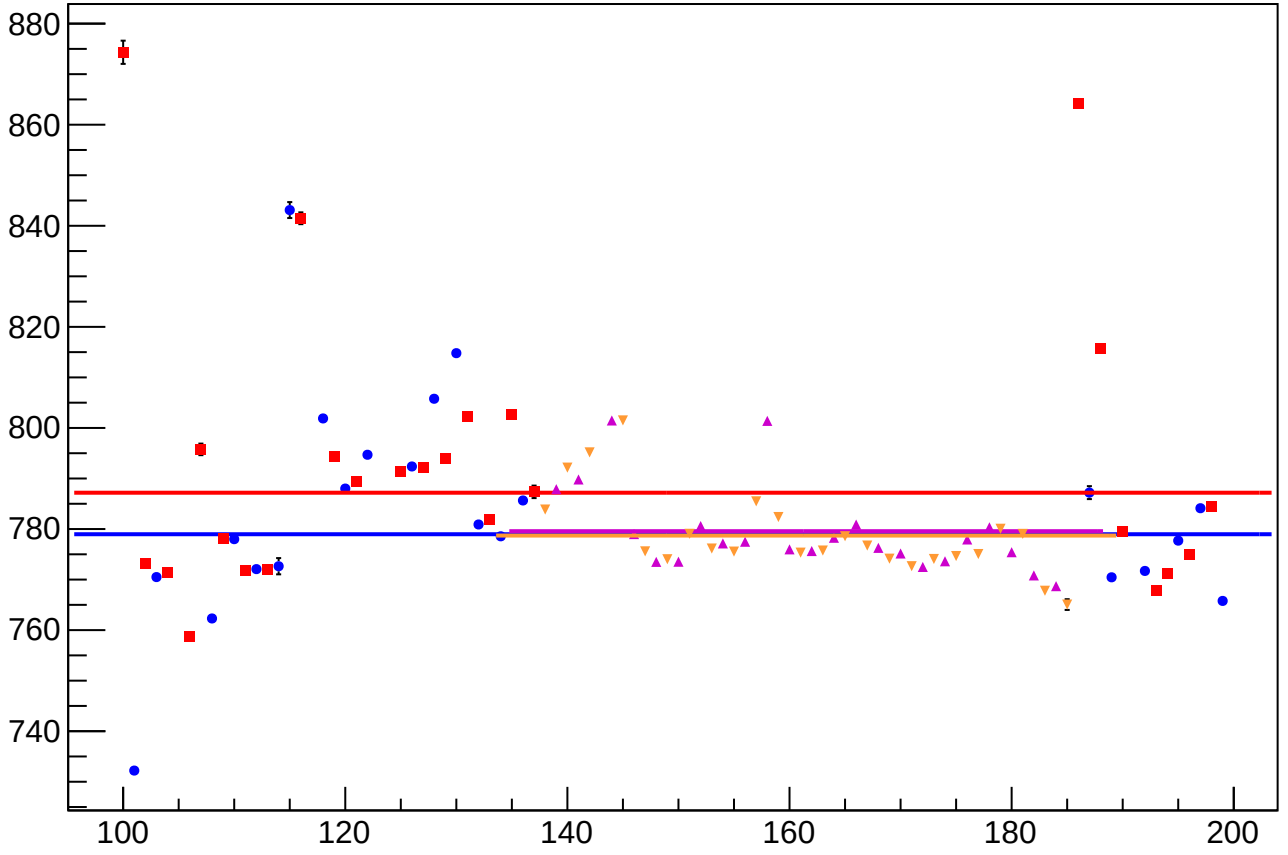
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2002.219+/-141.933 χ^2/NDF: 23.6/45

All: -42.137+/-100.061 χ^2/NDF: 482.2/93

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

cor_asym_us_avg_rms vs Slug



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

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

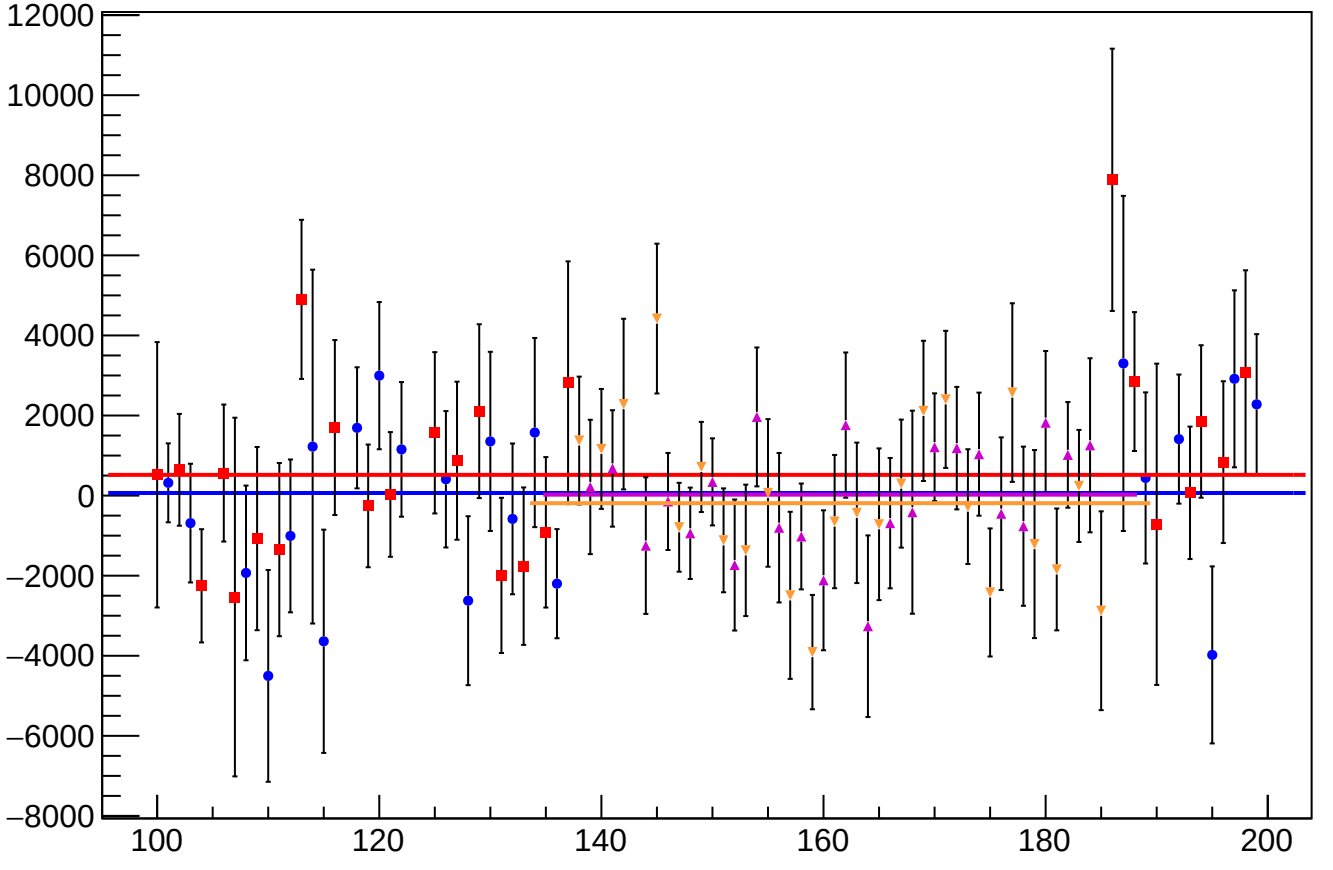
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 778.810+/-0.100 χ^2/NDF: 16830.7/45

All: 780.723+/-0.071 χ^2/NDF: 41550.0/93

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

asym_us_avg_cor_correction_mean vs Slug



Right In: 65.239+/-390.945 χ^2/NDF: 23.6/21

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

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

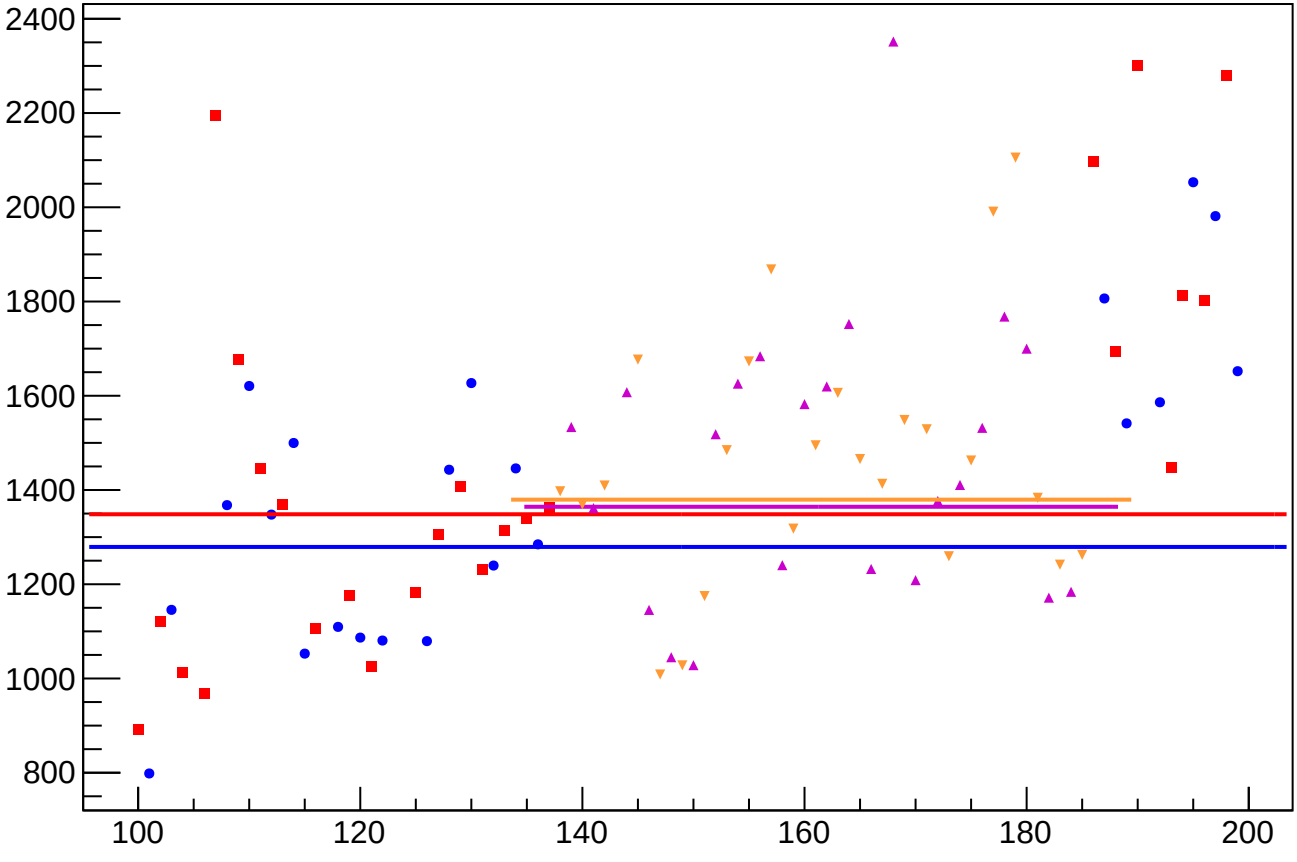
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -84.096+/-251.129 χ^2/NDF: 53.5/45

All: 69.111+/-177.779 χ^2/NDF: 93.3/93

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

asym_us_avg_cor_correction_rms vs Slug



Right In: 1279.180+/-0.276 χ^2/NDF: 1394844.8/21

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

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

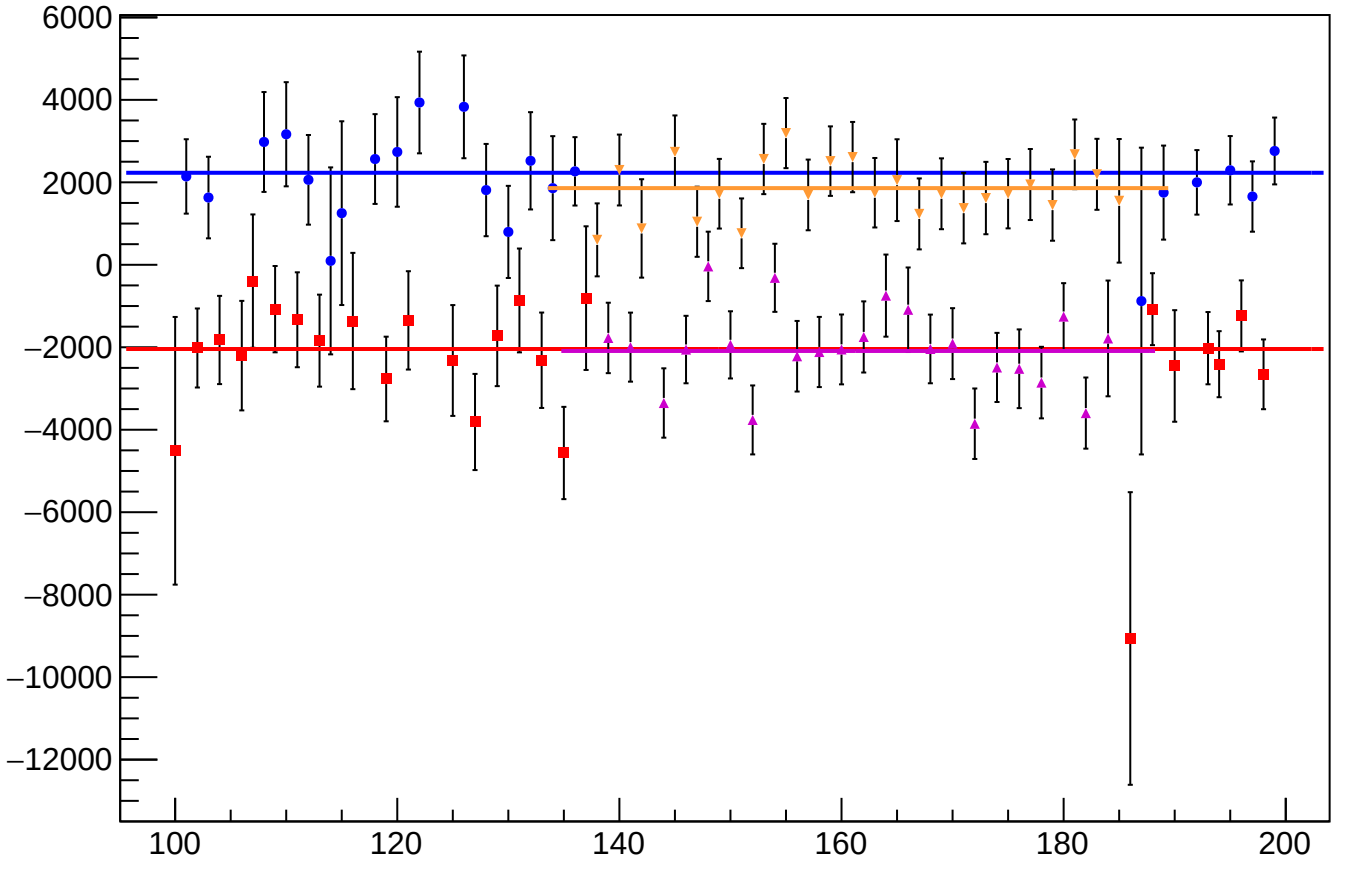
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1338.126+/-0.178 χ^2/NDF: 2630723.1/45

All: 1348.041+/-0.126 χ^2/NDF: 5323463.9/93

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

overload_cor_asym_us_avg_mean vs Slug



Right In: 2231.566+/-231.005 χ^2/NDF: 10.0/21

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

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

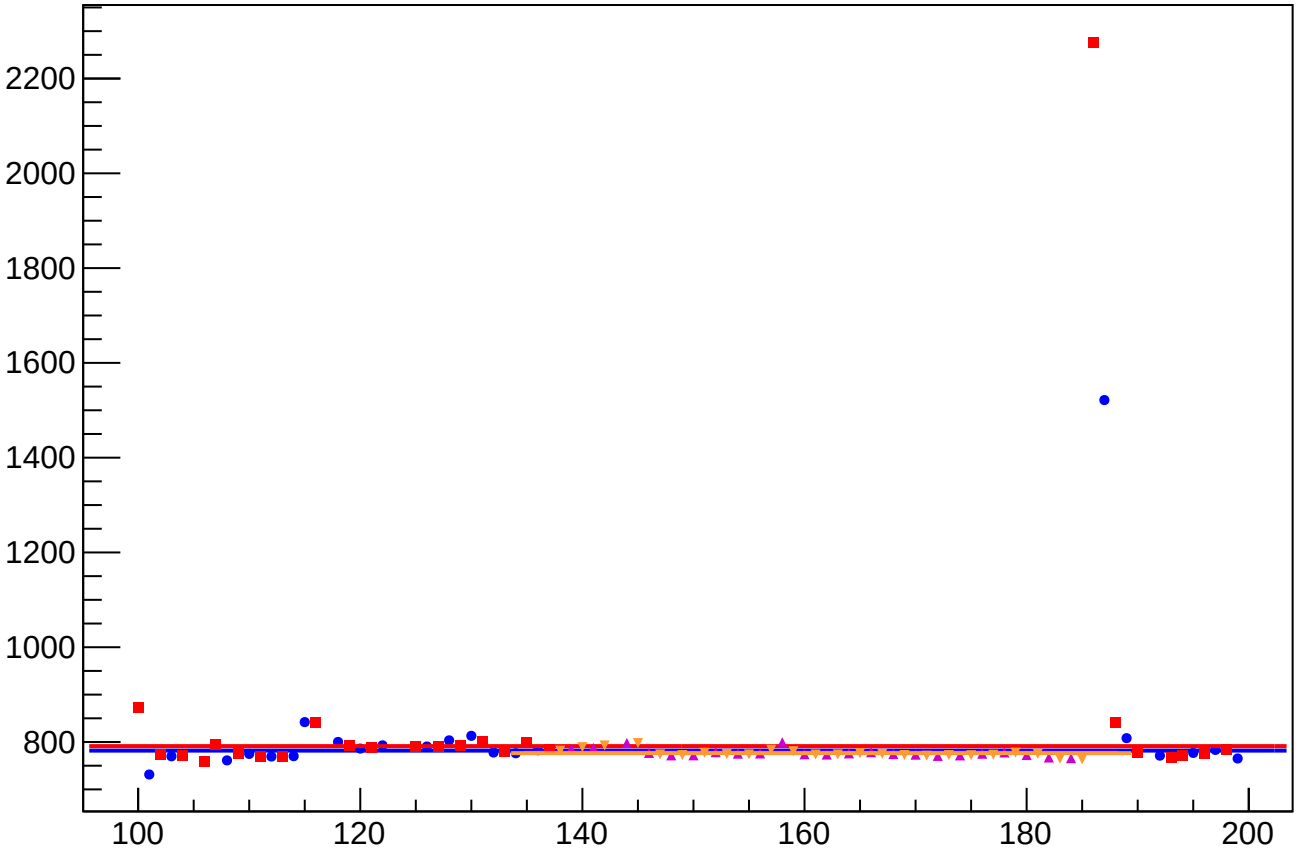
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2000.302+/-142.098 χ^2/NDF: 25.1/45

All: -42.189+/-100.309 χ^2/NDF: 486.3/93

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

overload_cor_asym_us_avg_rms vs Slug



Right In: 781.870+/-0.163 χ^2/NDF: 93606.9/21

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

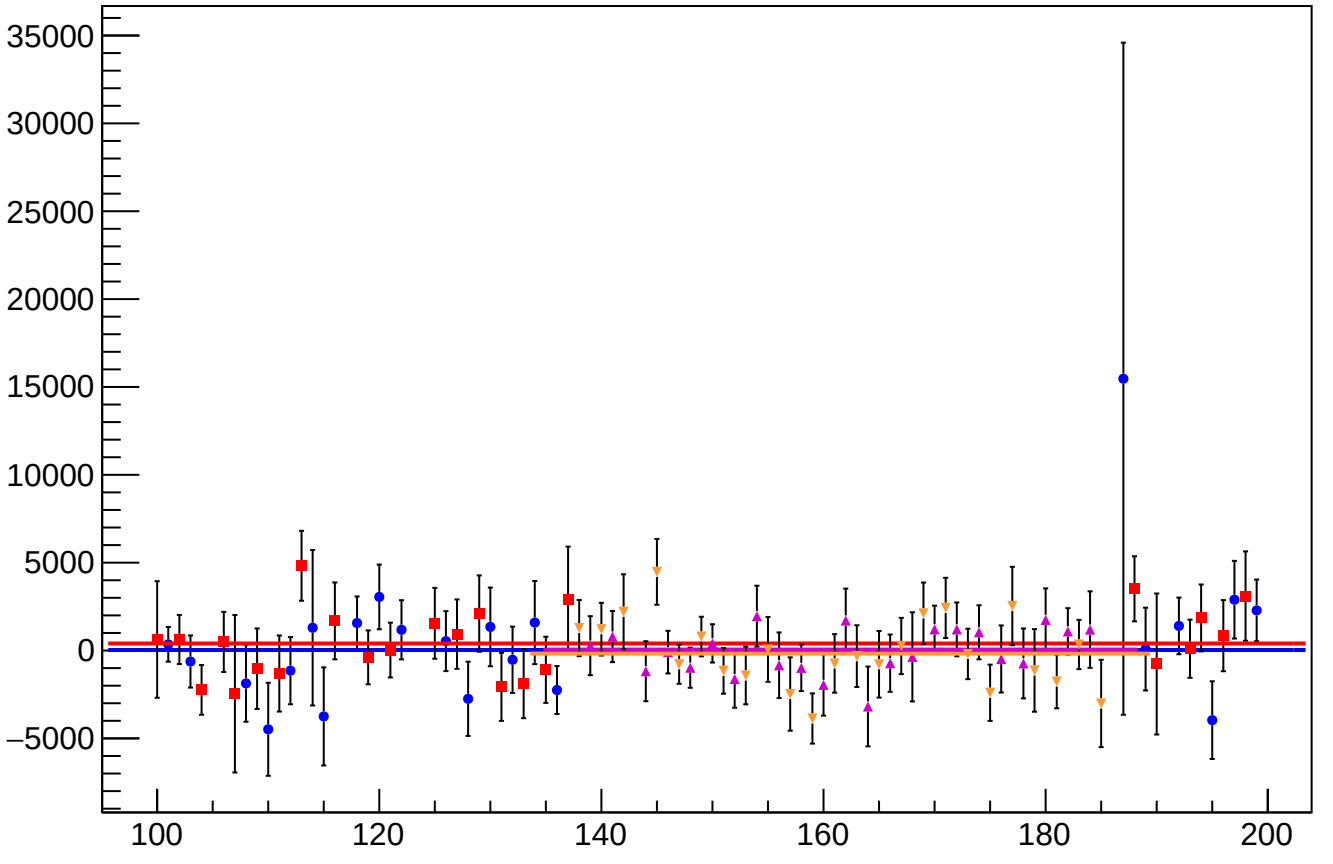
Right Out: 791.332+/-0.160 χ^2/NDF: 368798.4/24

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

\+ sign 778.546+/-0.100 χ^2/NDF: 97410.1/45

All: 780.710+/-0.071 χ^2/NDF: 475797.3/93

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



Right In: 31.718+/-394.078 χ^2/NDF: 23.9/21

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

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

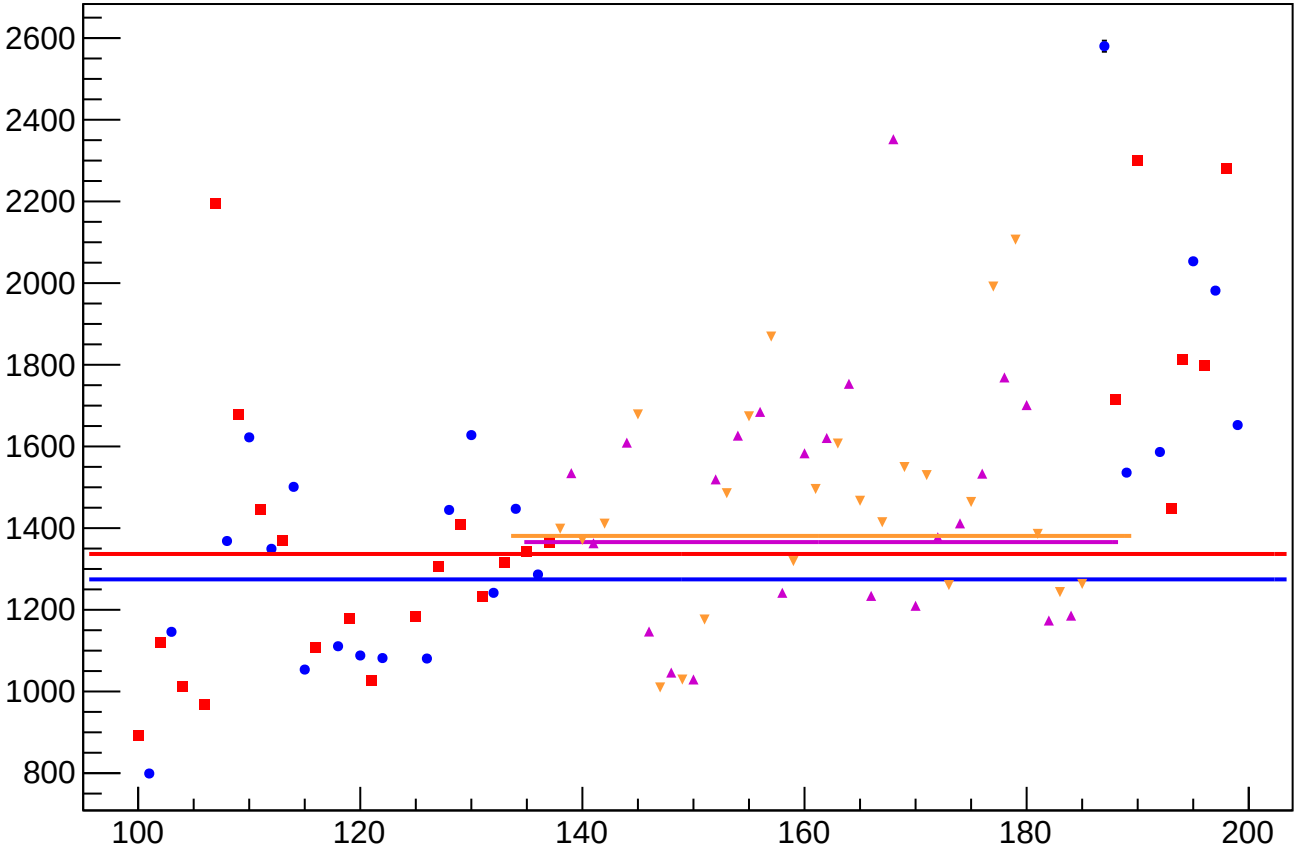
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -90.363+/-252.098 χ^2/NDF: 53.7/45

All: 49.911+/-178.581 χ^2/NDF: 88.2/92

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

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1274.500+/-0.279 χ^2/NDF: 1362924.5/21

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

Right Out: 1336.726+/-0.284 χ^2/NDF: 1259044.7/23

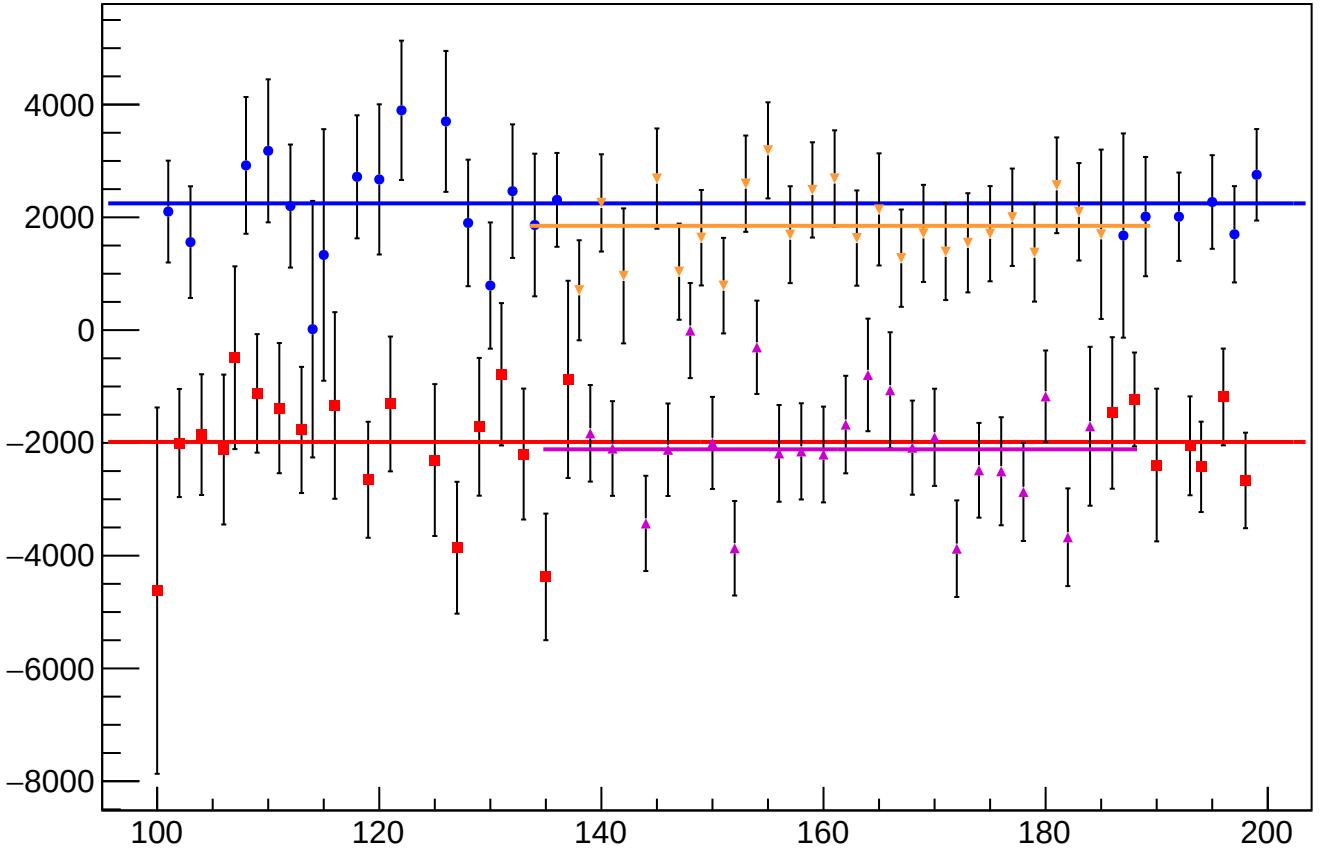
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1337.388+/-0.178 χ^2/NDF: 2604577.9/45

All: 1345.779+/-0.126 χ^2/NDF: 5183266.4/92

- sign 1354.231+/-0.179 χ^2/NDF: 2574240.8/46

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2247.769+/-229.249 χ^2/NDF: 8.9/21

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

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

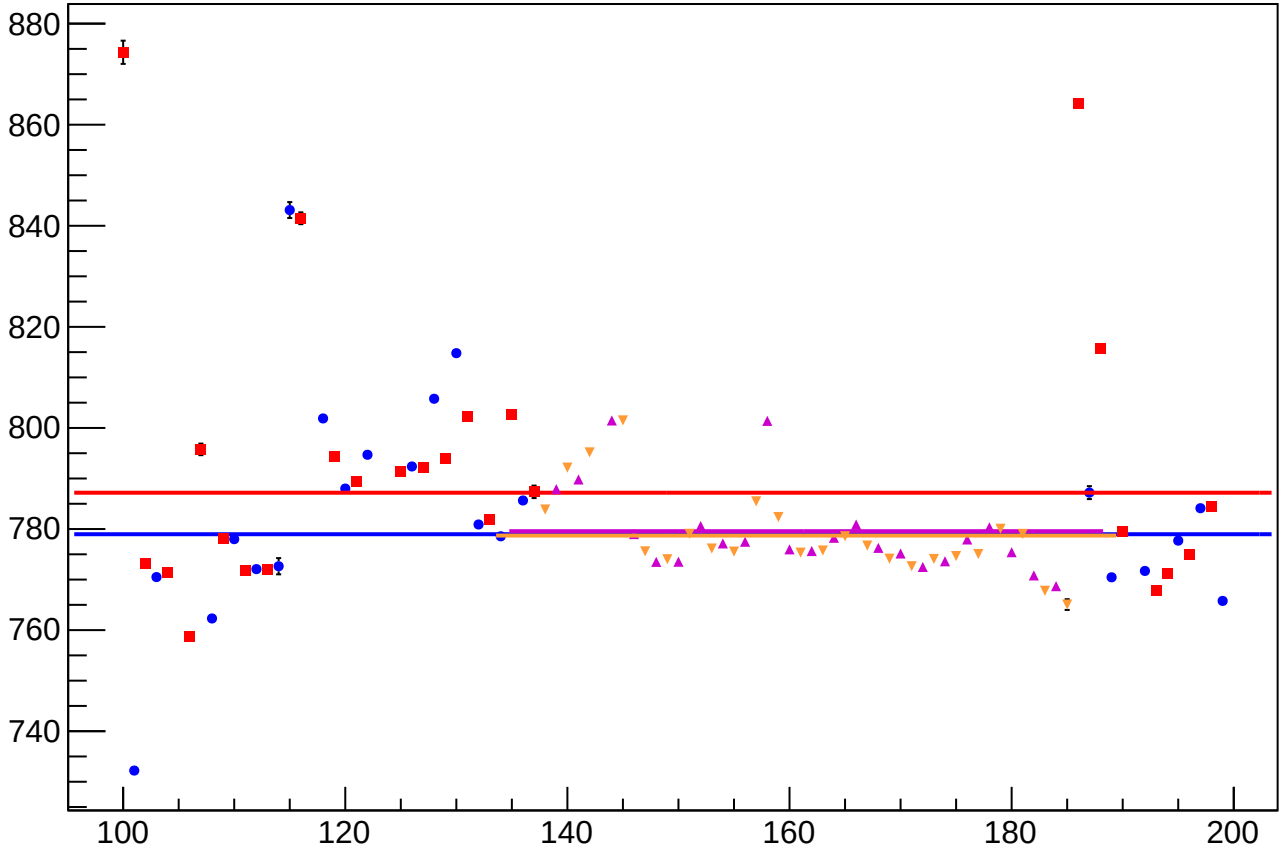
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2002.219+/-141.933 χ^2/NDF: 23.6/45

All: -42.137+/-100.061 χ^2/NDF: 482.2/93

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

eigen_cor_asym_us_avg_rms vs Slug



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

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

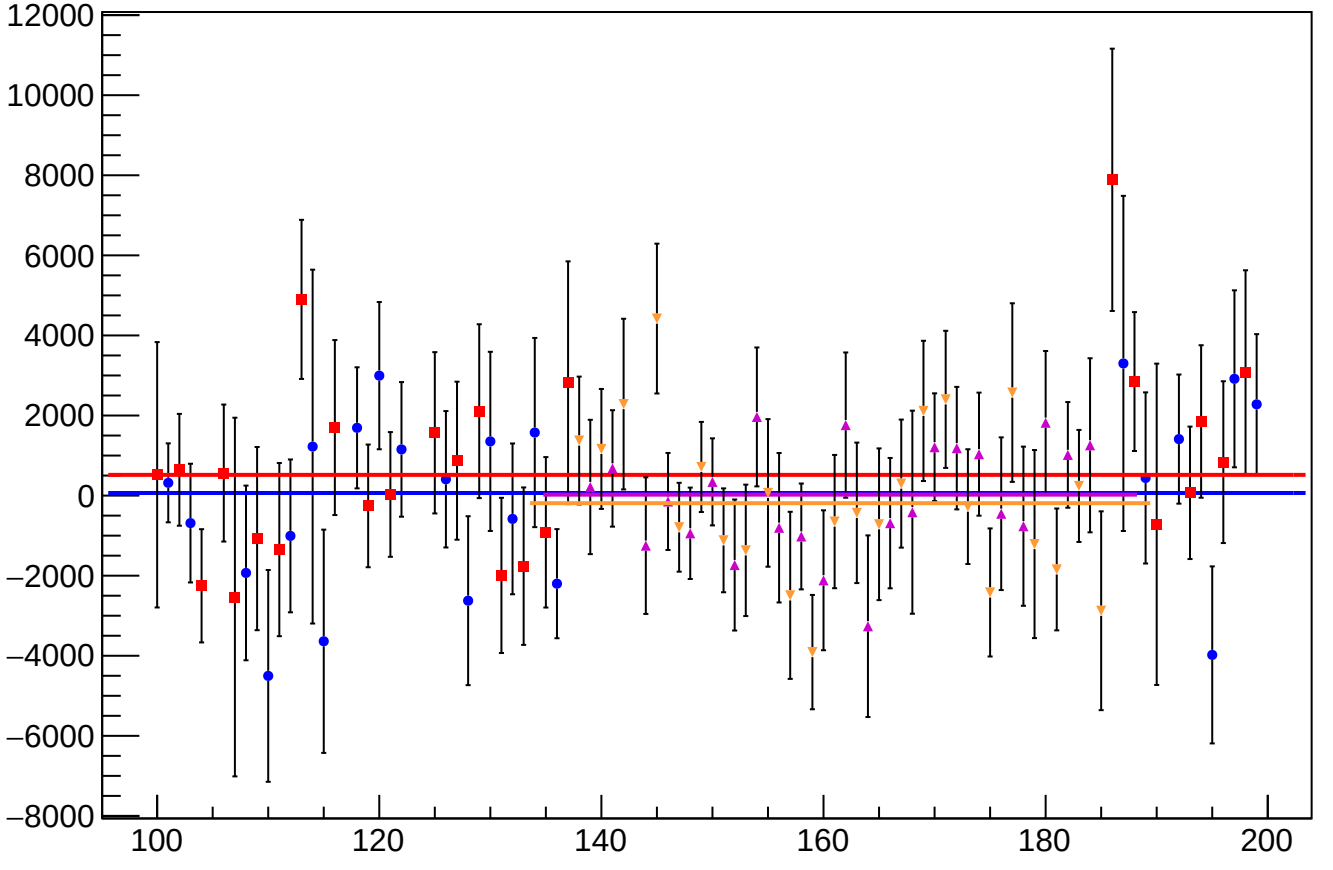
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 778.810+/-0.100 χ^2/NDF: 16830.7/45

All: 780.723+/-0.071 χ^2/NDF: 41550.0/93

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

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: 65.239+/-390.945 χ^2/NDF: 23.6/21

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

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

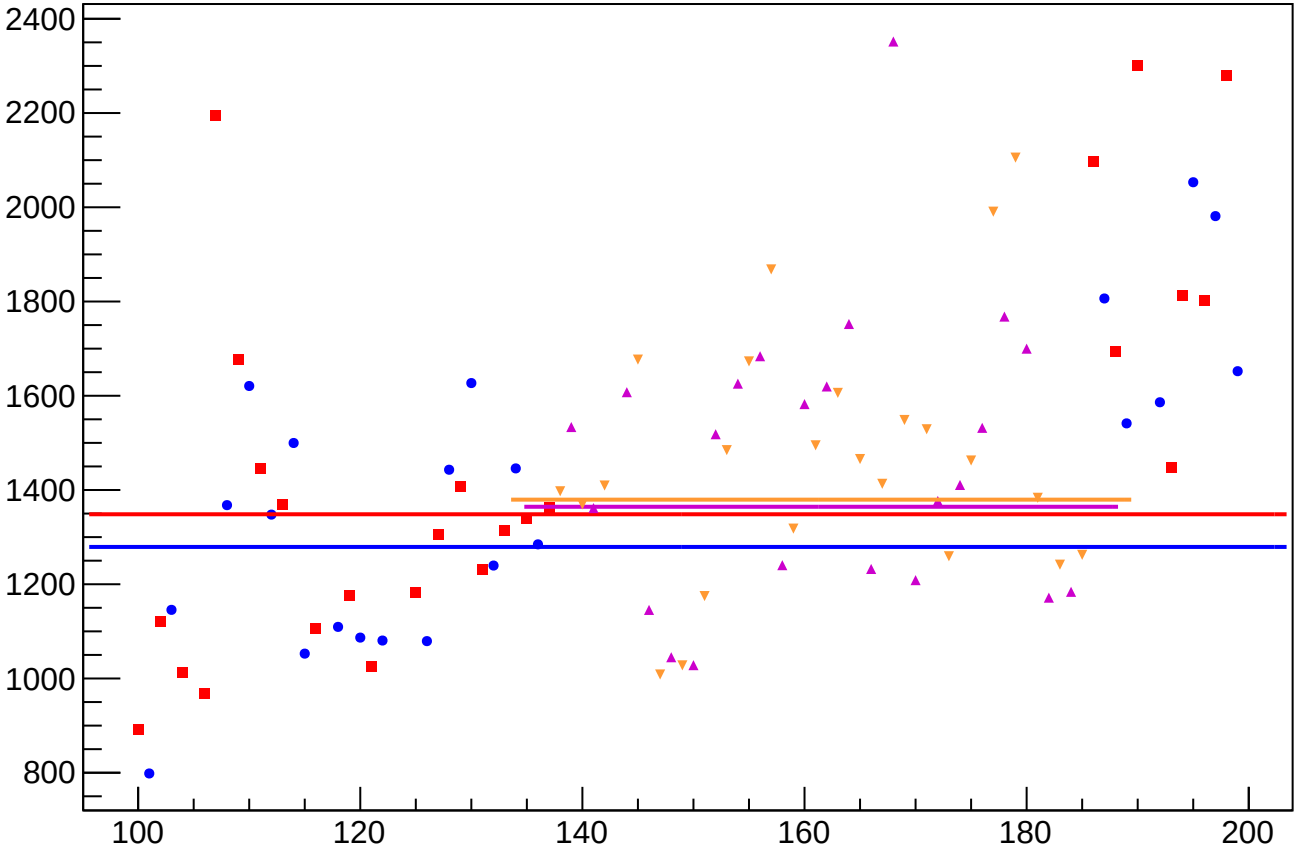
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -84.096+/-251.129 χ^2/NDF: 53.5/45

All: 69.111+/-177.779 χ^2/NDF: 93.3/93

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

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1279.180+/-0.276 χ^2/NDF: 1394844.8/21

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

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

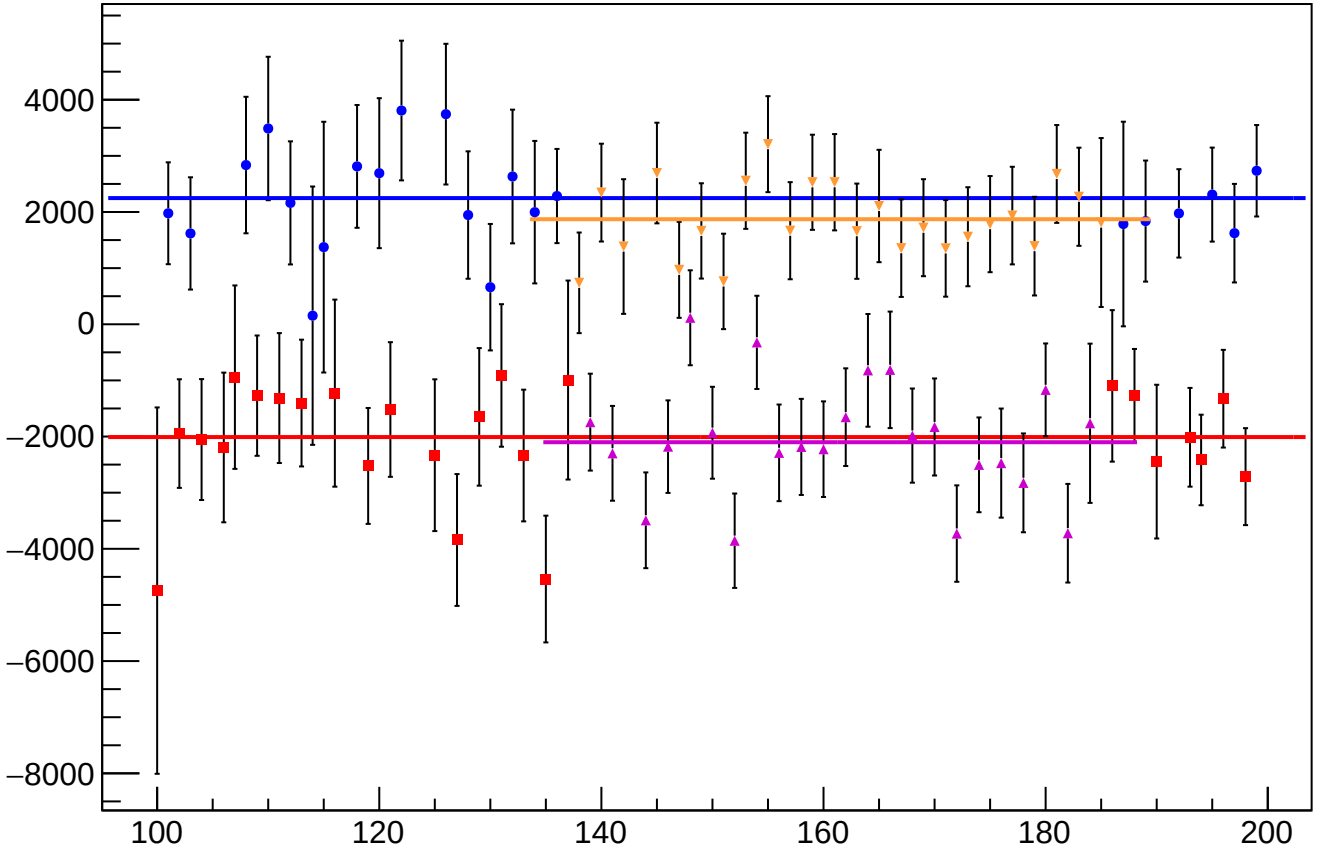
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1338.126+/-0.178 χ^2/NDF: 2630723.1/45

All: 1348.041+/-0.126 χ^2/NDF: 5323463.9/93

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

dit_asym_us_avg_mean vs Slug



Right In: 2247.886+/-231.126 χ^2/NDF: 9.4/21

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

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

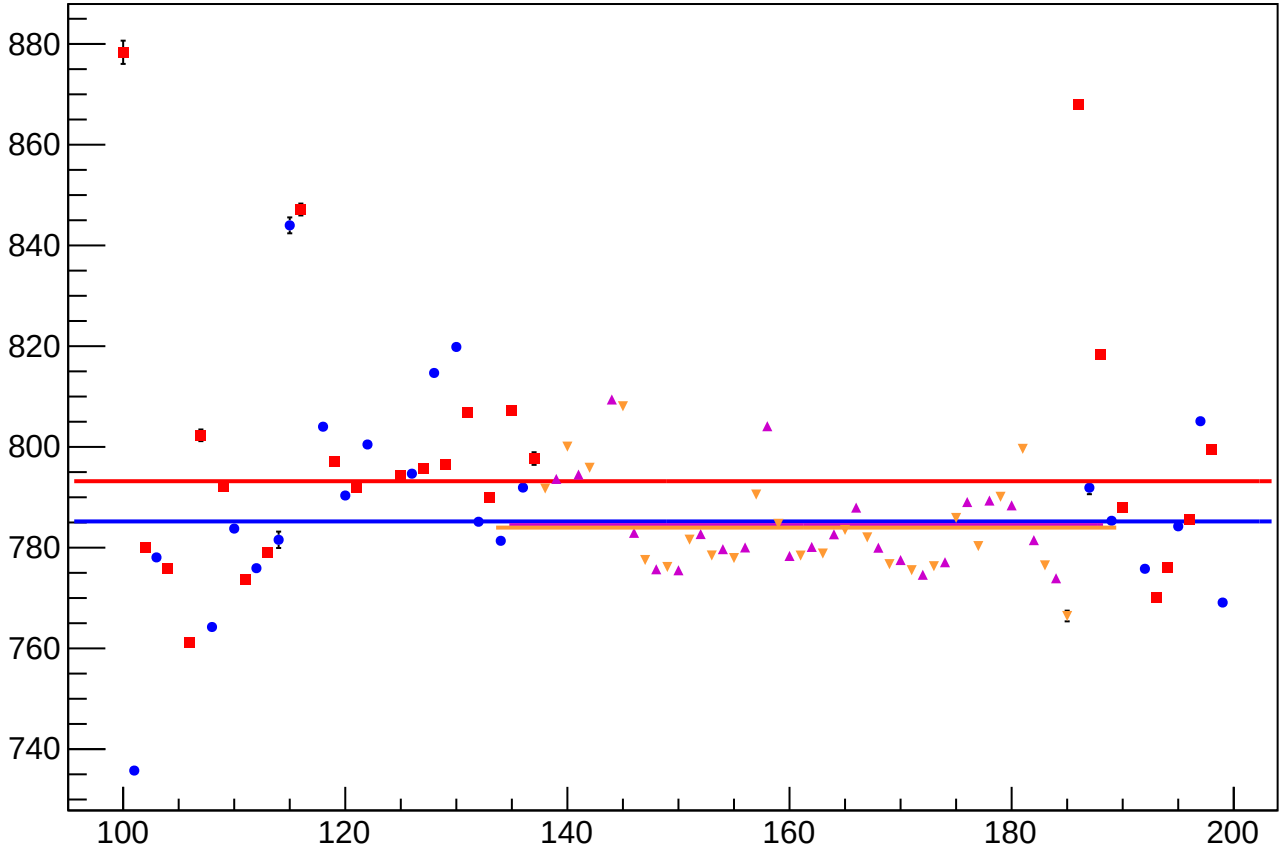
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2015.511+/-142.978 χ^2/NDF: 23.5/45

All: -37.650+/-100.774 χ^2/NDF: 479.7/93

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

dit_asym_us_avg_rms vs Slug



Right In: 785.208+/-0.163 χ^2/NDF: 14723.5/21

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

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

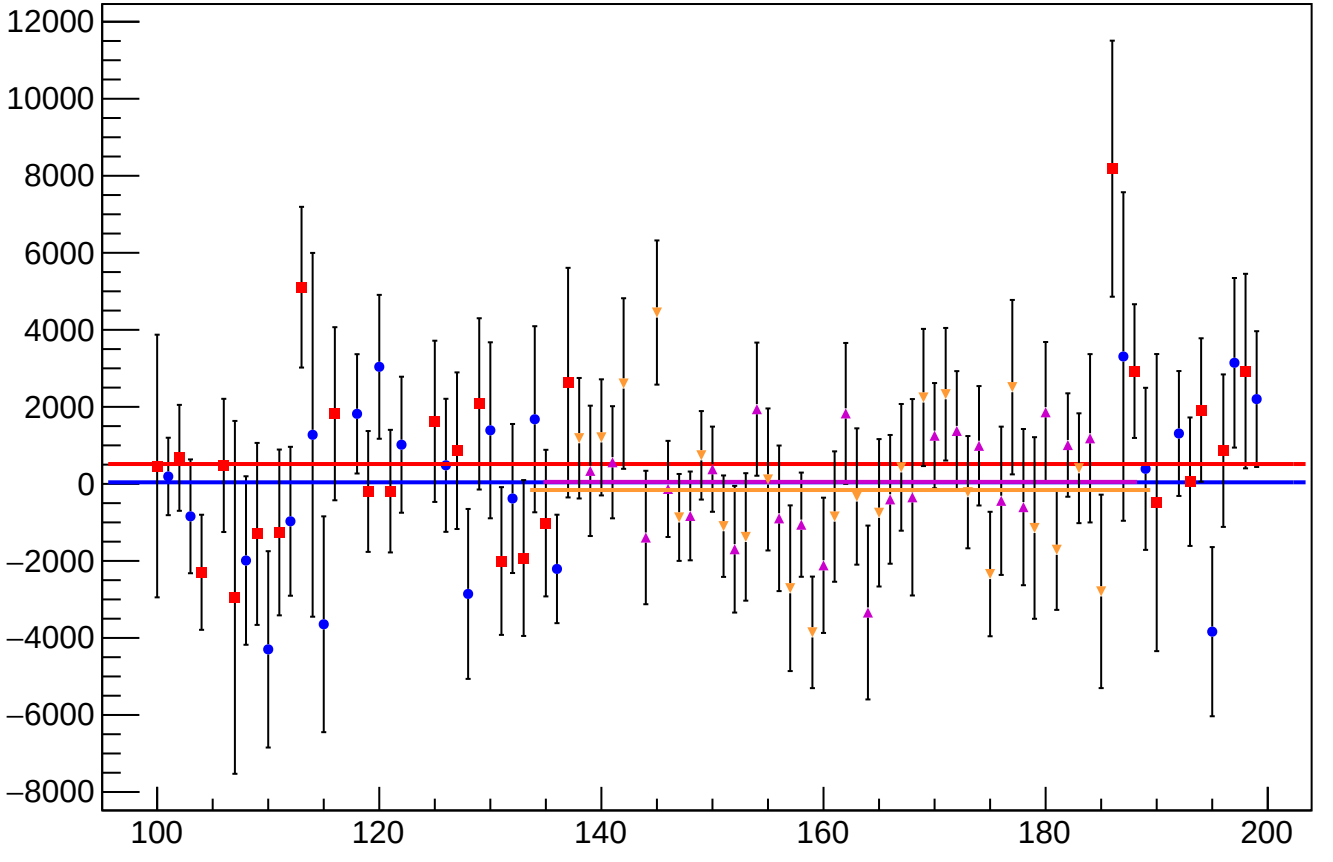
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.451+/-0.101 χ^2/NDF: 19686.3/45

All: 786.211+/-0.071 χ^2/NDF: 44621.5/93

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

asym_us_avg_dit_correction_mean vs Slug



Right In: 40.873+/-397.000 χ^2/NDF: 23.4/21

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

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

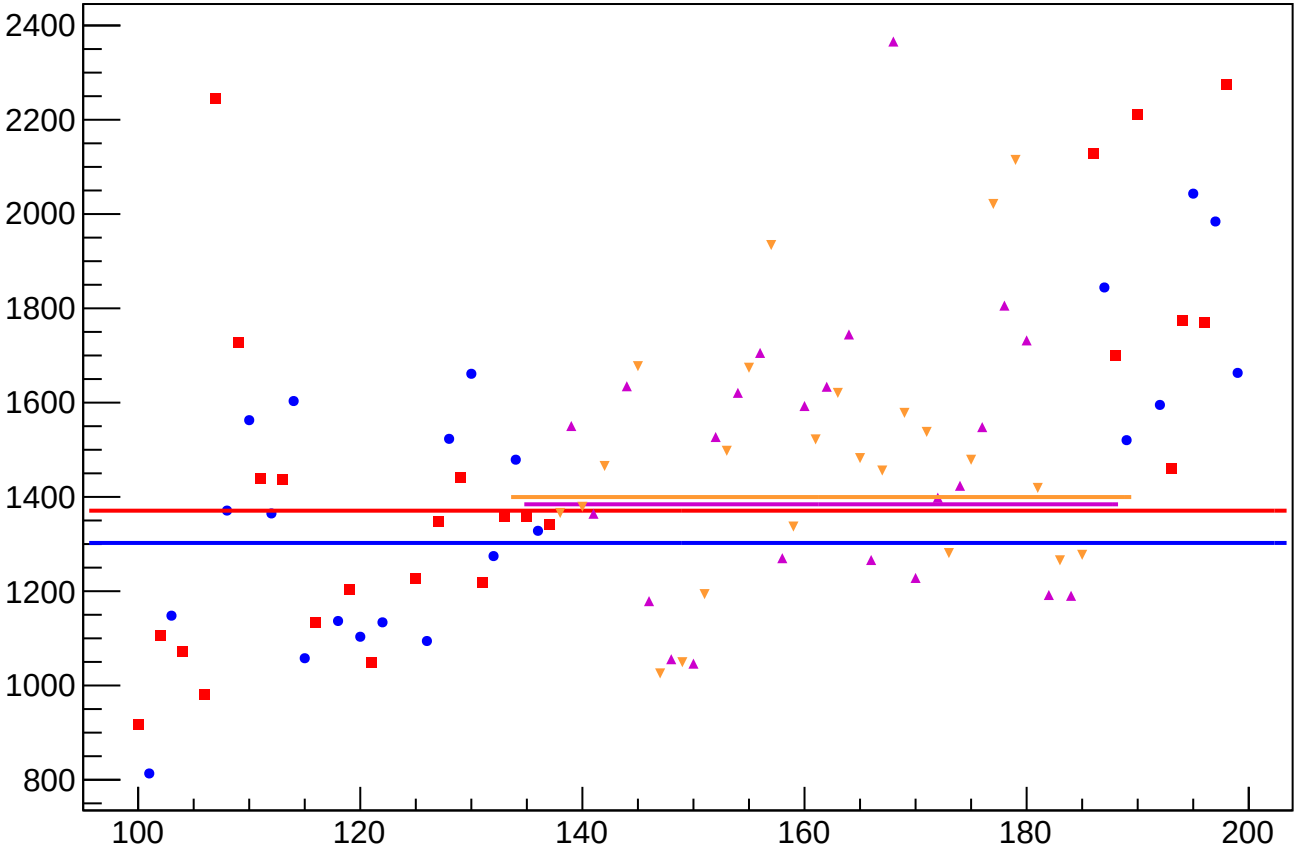
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -76.850+/-254.767 χ^2/NDF: 52.7/45

All: 80.875+/-180.268 χ^2/NDF: 92.7/93

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

asym_us_avg_dit_correction_rms vs Slug



Right In: 1302.377+/-0.281 χ^2/NDF: 1338965.6/21

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

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

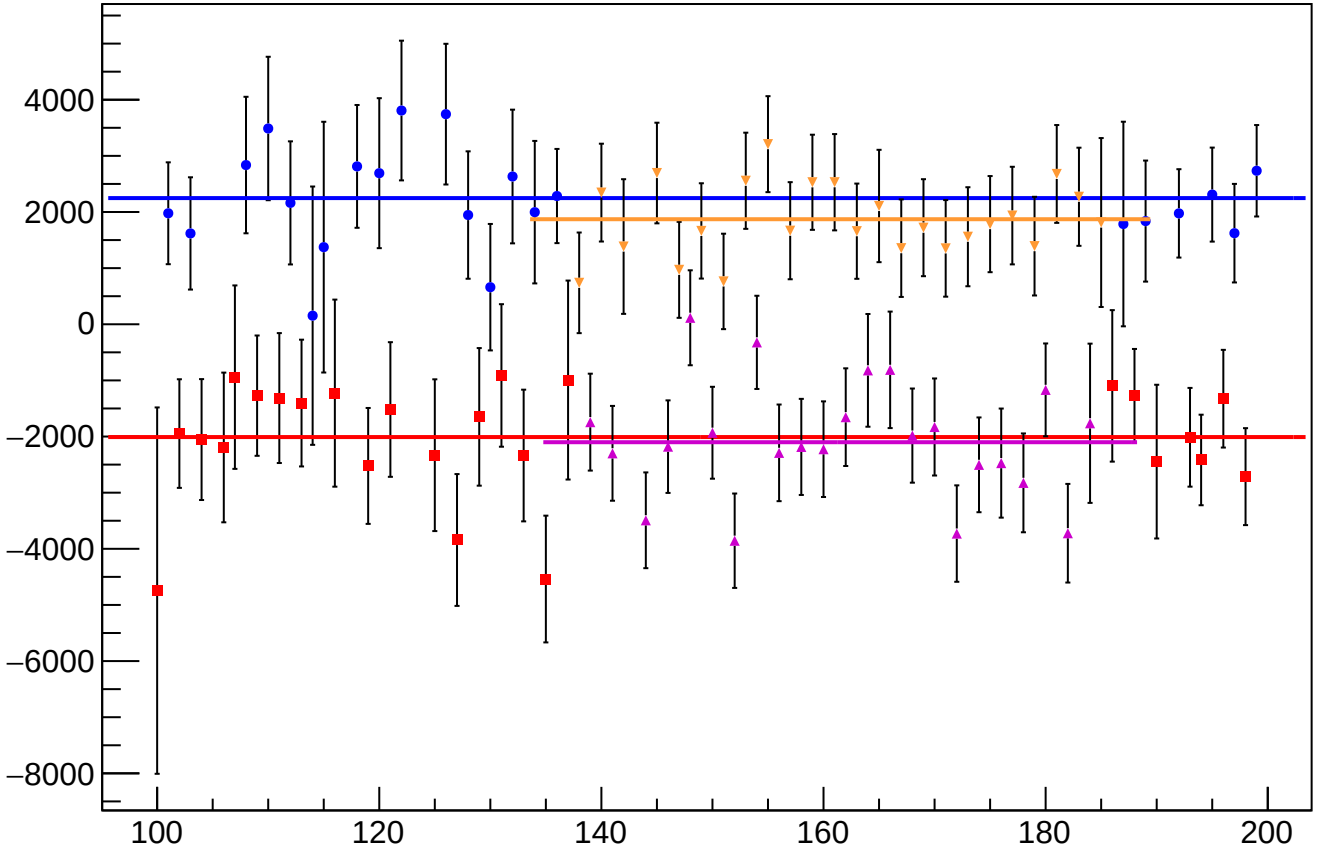
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1359.631+/-0.180 χ^2/NDF: 2546036.2/45

All: 1369.243+/-0.127 χ^2/NDF: 5095701.3/93

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

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2247.885+/-231.126 χ^2/NDF: 9.4/21

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

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

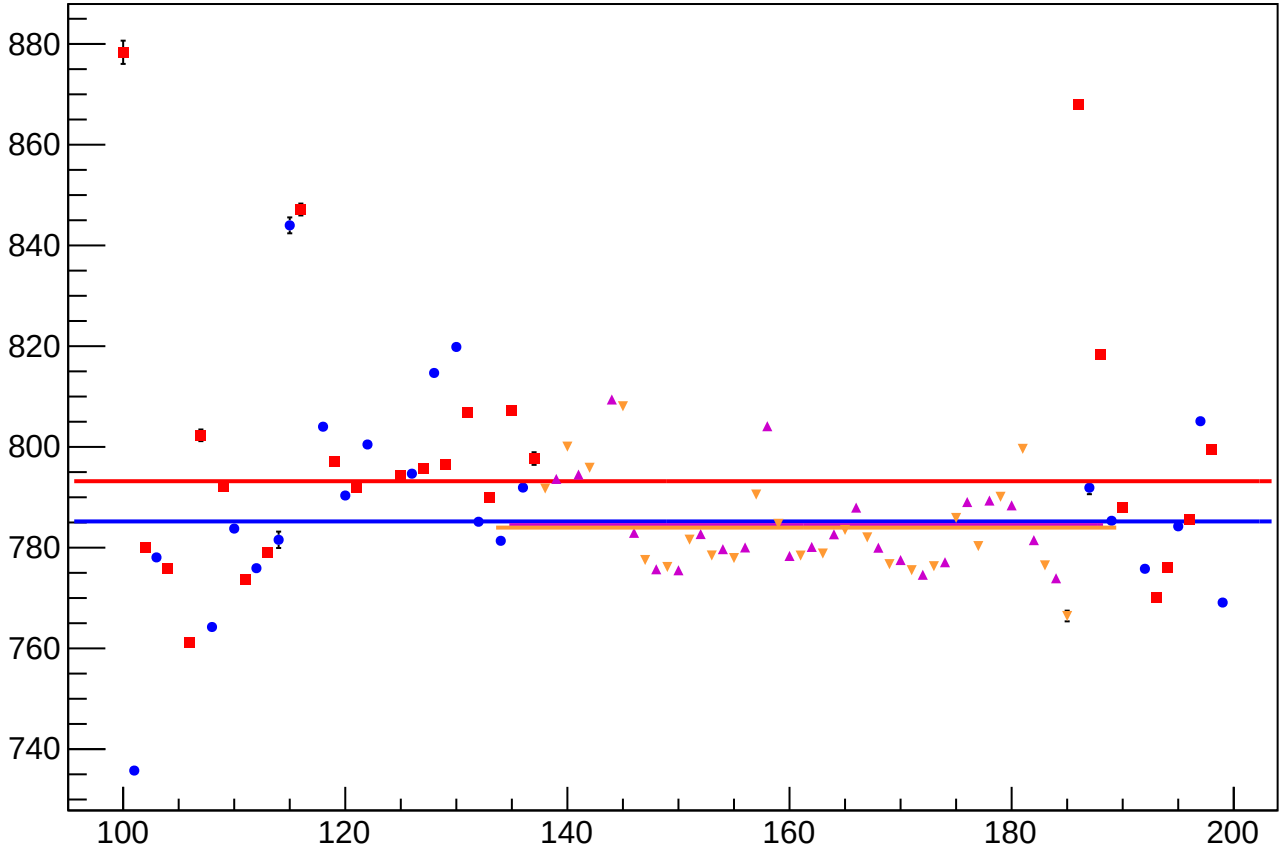
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2015.509+/-142.978 χ^2/NDF: 23.5/45

All: -37.650+/-100.774 χ^2/NDF: 479.7/93

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

eigen_dit_asym_us_avg_rms vs Slug



Right In: 785.208+/-0.163 χ^2/NDF: 14723.5/21

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

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

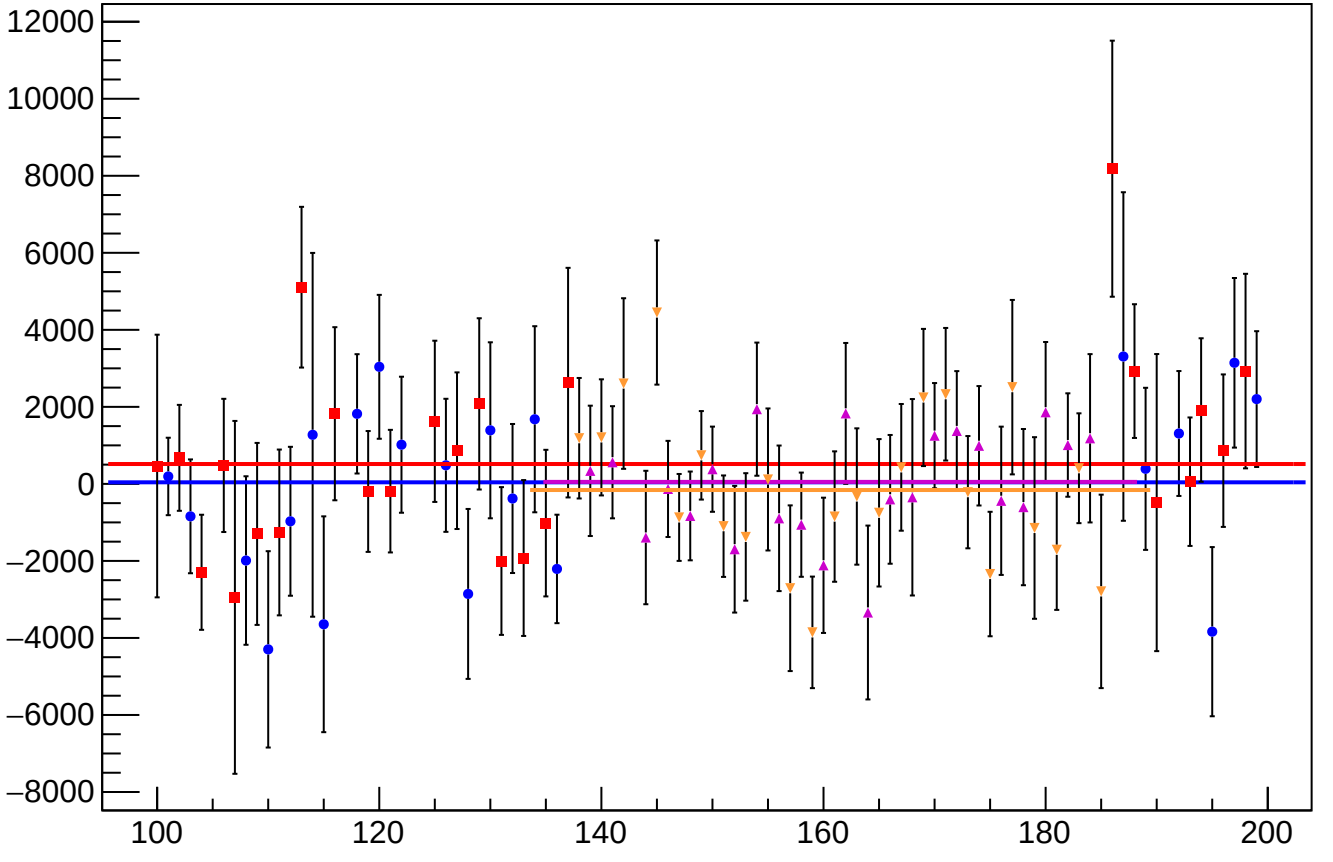
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.451+/-0.101 χ^2/NDF: 19686.3/45

All: 786.211+/-0.071 χ^2/NDF: 44621.4/93

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

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 40.873+/-397.000 χ^2/NDF: 23.4/21

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

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

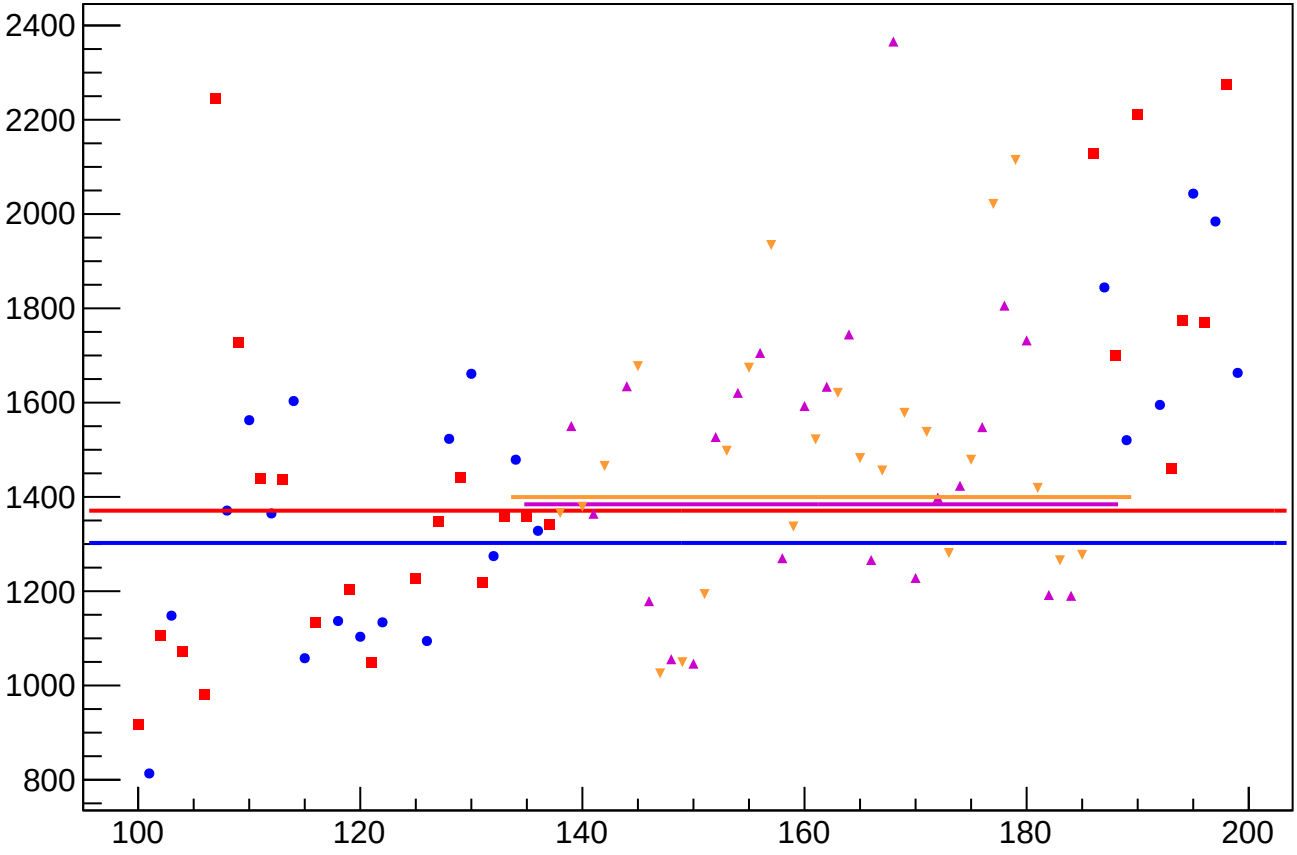
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -76.852+/-254.767 χ^2/NDF: 52.7/45

All: 80.874+/-180.268 χ^2/NDF: 92.7/93

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

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1302.374+/-0.281 χ^2/NDF: 1338974.6/21

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

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

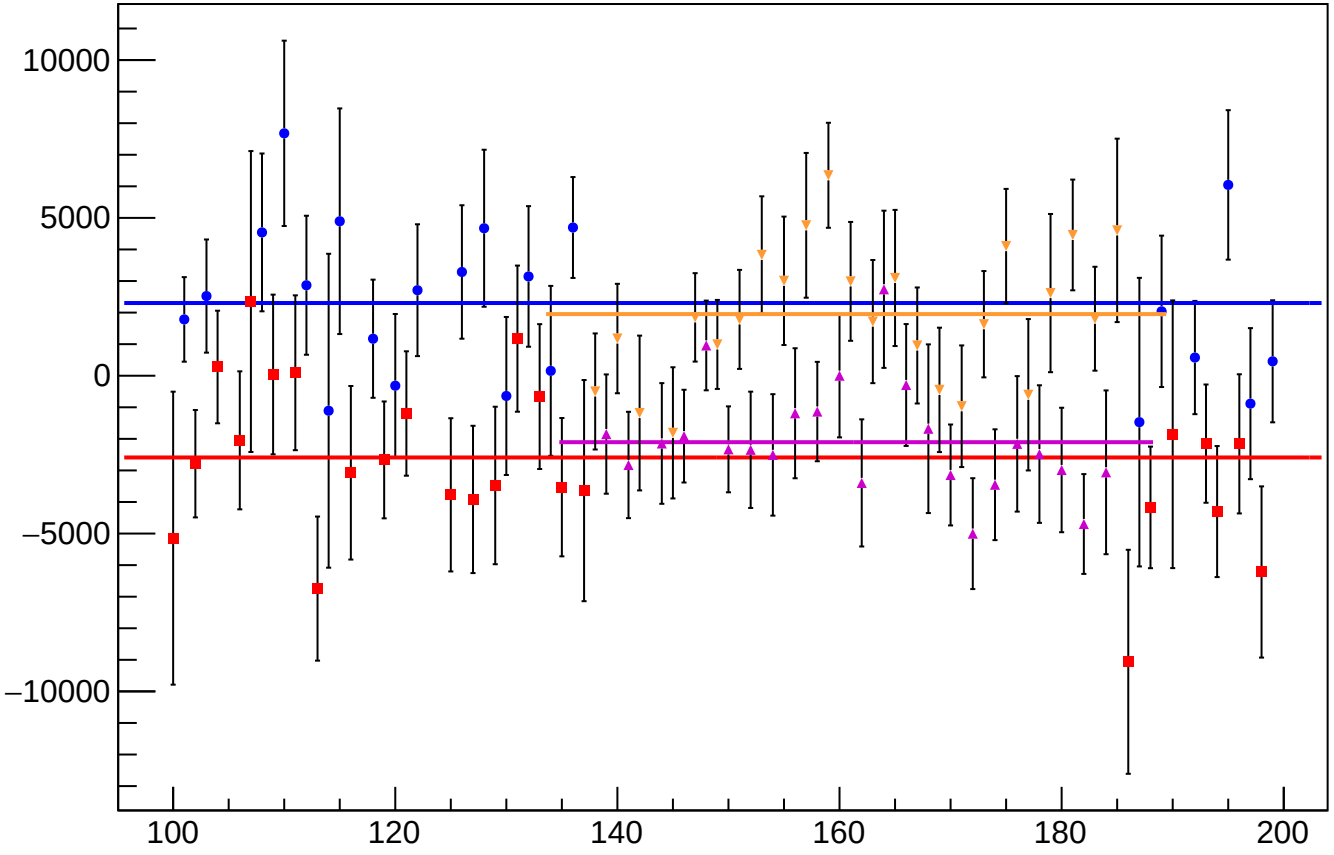
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1359.631+/-0.180 χ^2/NDF: 2546054.0/45

All: 1369.244+/-0.127 χ^2/NDF: 5095731.8/93

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

asym_us_avg_mean vs Slug



Right In: 2303.410+/-465.870 χ^2/NDF: 19.4/21

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

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

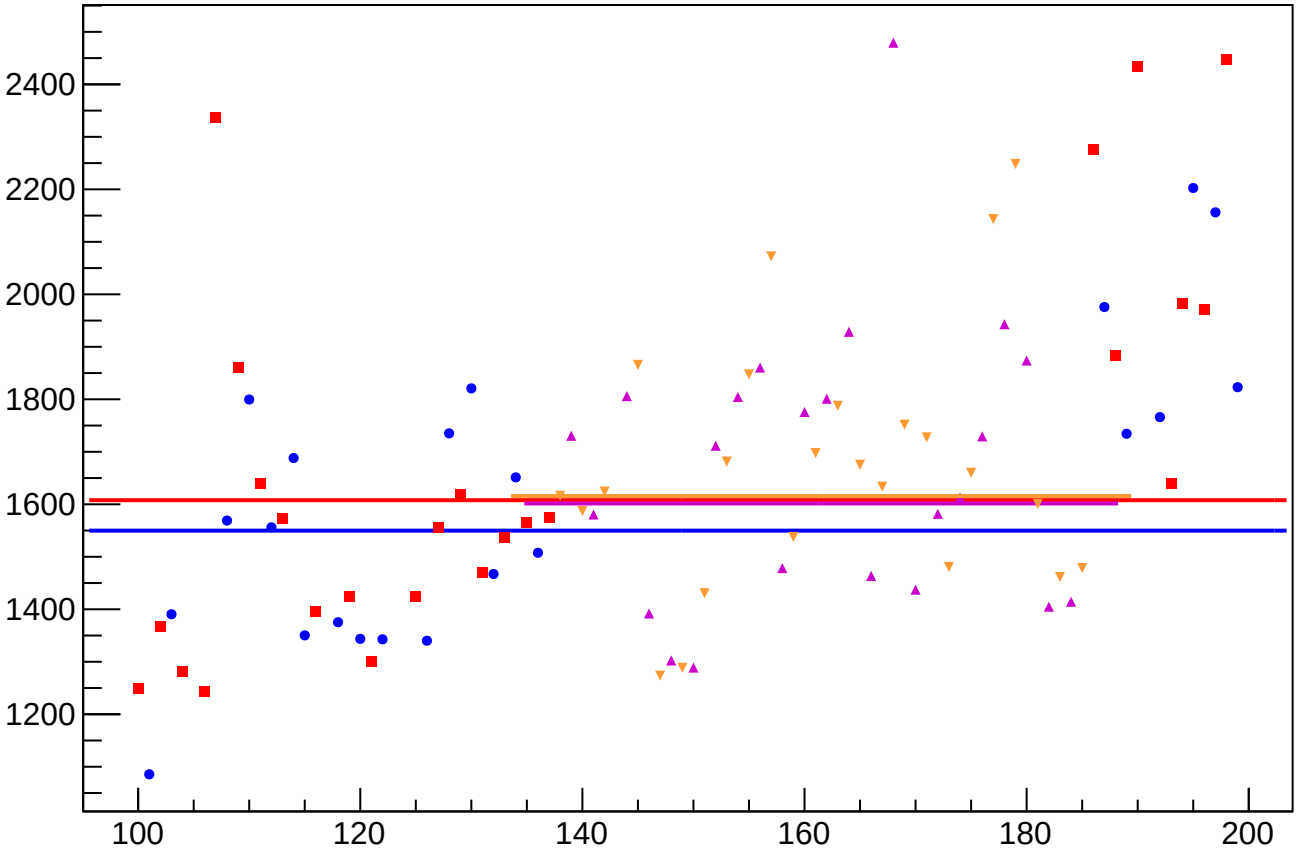
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2092.758+/-294.590 χ^2/NDF: 47.2/45

All: -106.210+/-208.140 χ^2/NDF: 198.7/93

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

asym_us_avg_rms vs Slug



Right In: 1549.824+/-0.329 χ^2/NDF: 771792.3/21

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

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

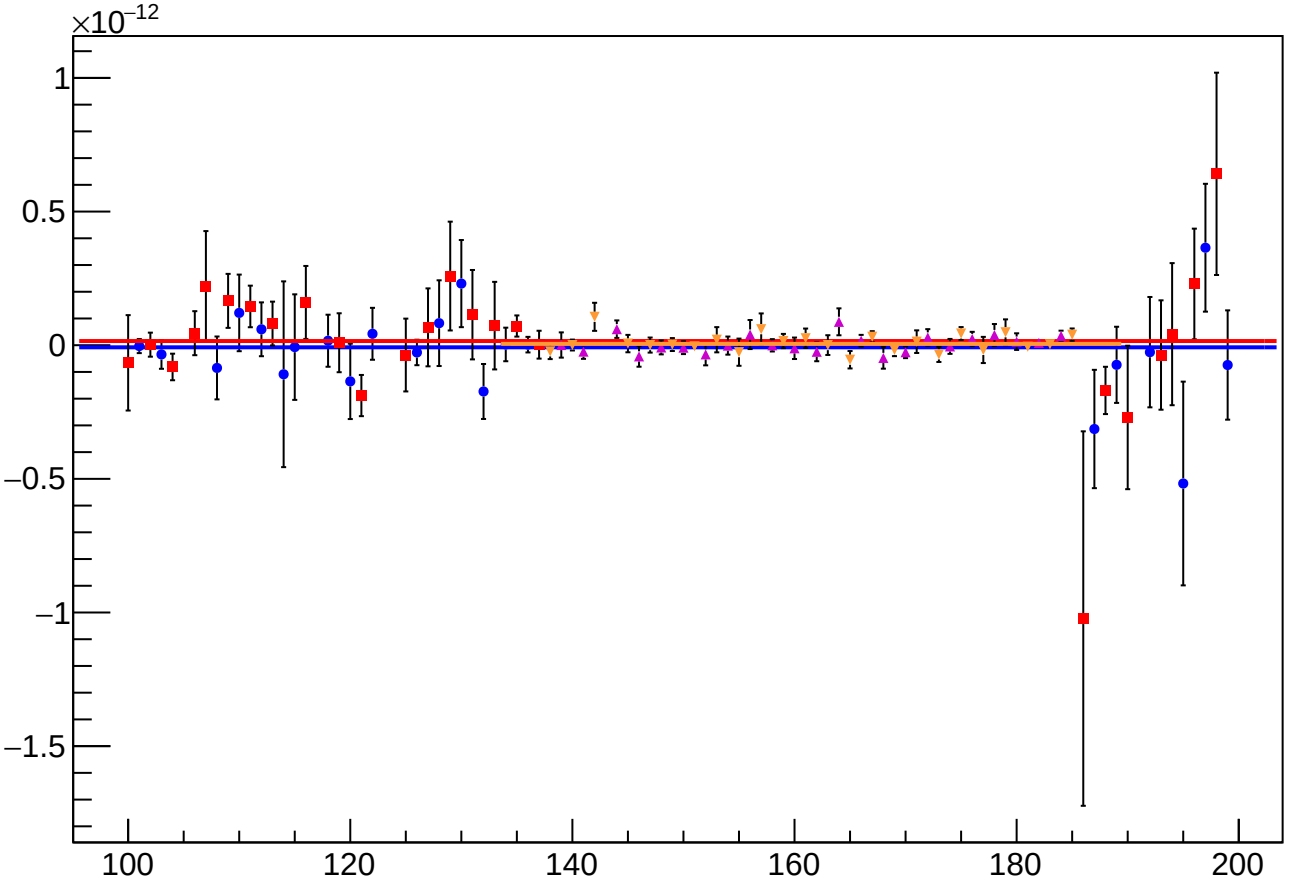
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1589.451+/-0.208 χ^2/NDF: 1490257.5/45

All: 1596.742+/-0.147 χ^2/NDF: 3129547.0/93

- 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: 15.0/21

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

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

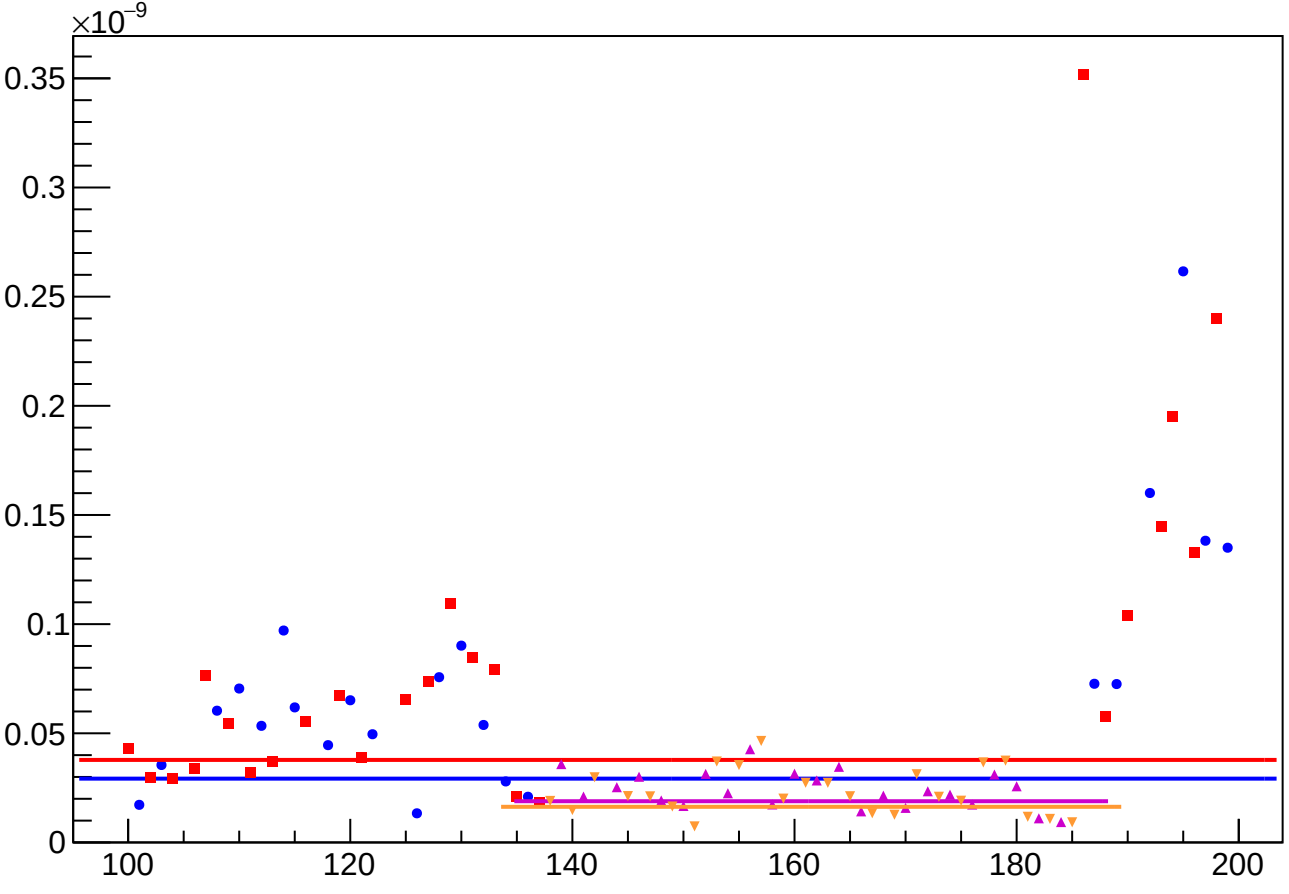
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.6/45

All: 0.000+/-0.000 χ^2/NDF: 91.2/93

- sign 0.000+/-0.000 χ^2/NDF: 54.5/47

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4965550.3/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4680779.4/24

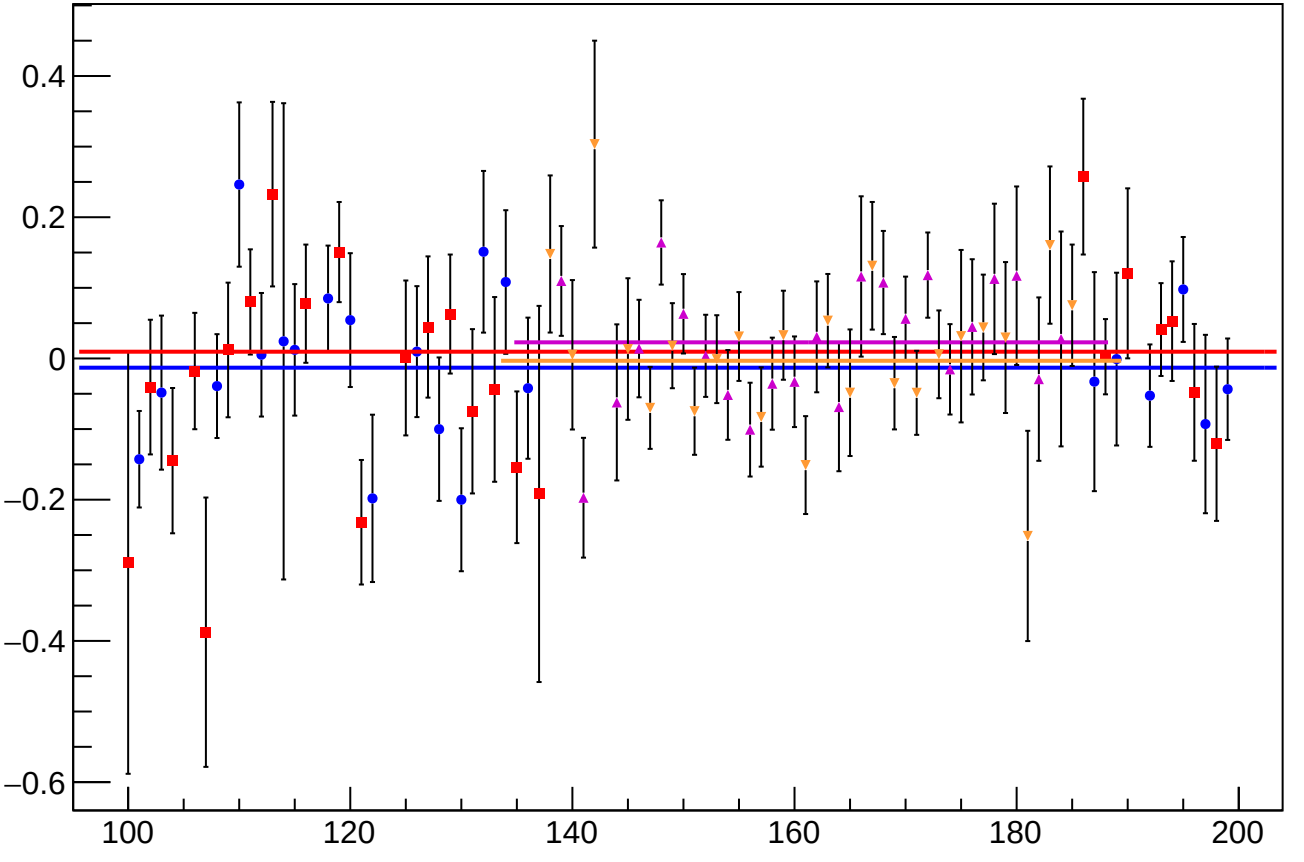
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10553967.2/45

All: 0.000+/-0.000 χ^2/NDF: 20897195.9/93

- sign 0.000+/-0.000 χ^2/NDF: 10026100.4/47

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

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

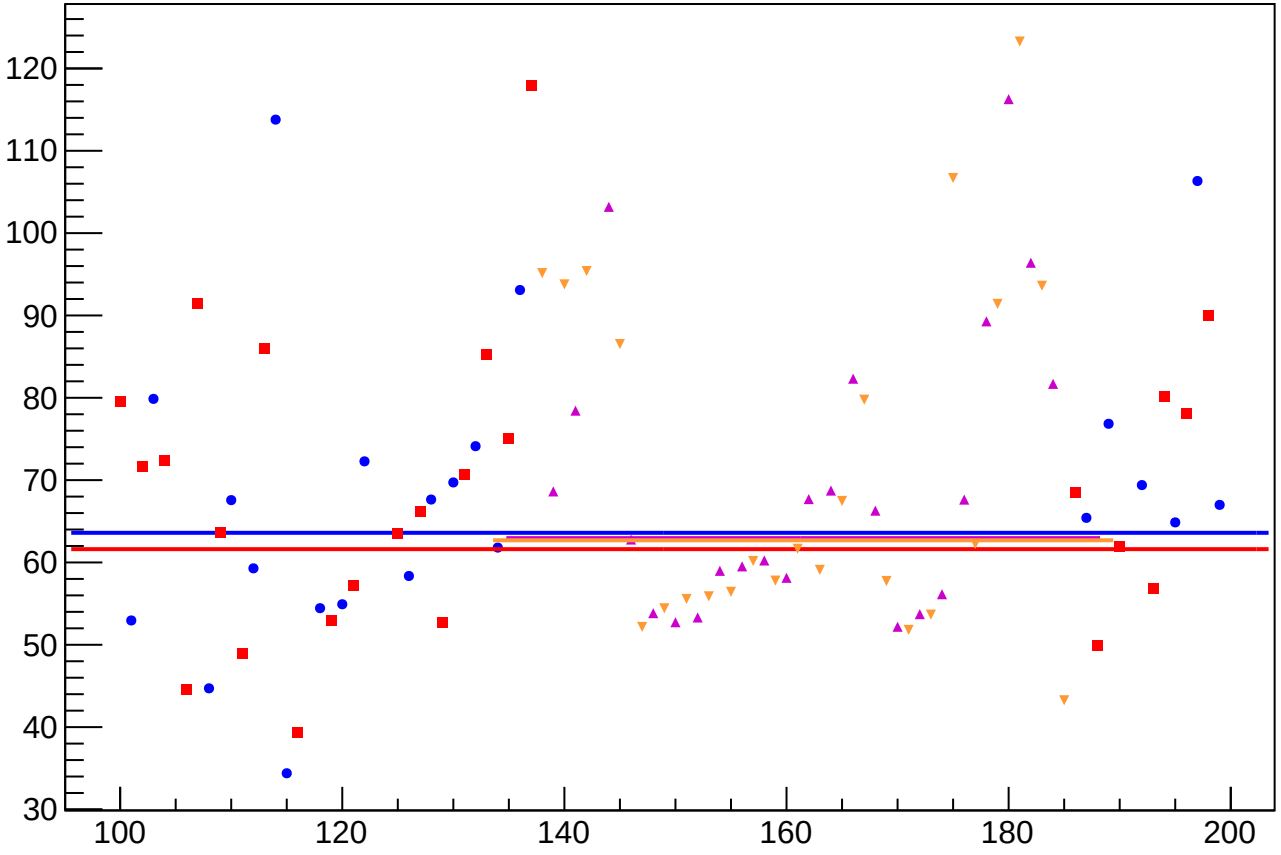
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.007+/-0.012 χ^2/NDF: 50.5/45

All: 0.006+/-0.009 χ^2/NDF: 118.0/93

- sign 0.017+/-0.012 χ^2/NDF: 65.5/47

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.602+/-0.014 χ^2/NDF: 1009543.3/21

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

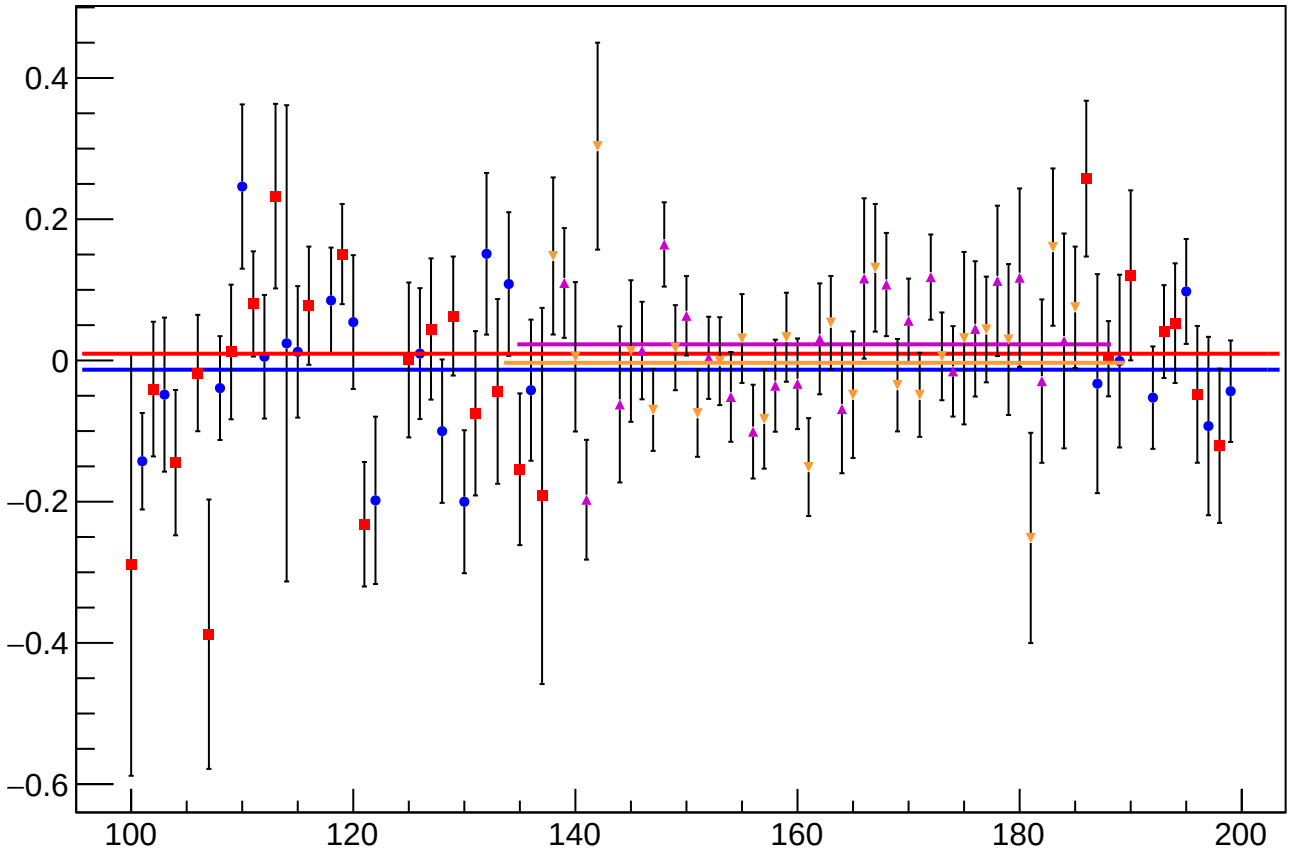
Right Out: 61.616+/-0.013 χ^2/NDF: 1119879.2/24

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

\+ sign 63.034+/-0.009 χ^2/NDF: 2951519.5/45

All: 62.716+/-0.006 χ^2/NDF: 5510498.2/93

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



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

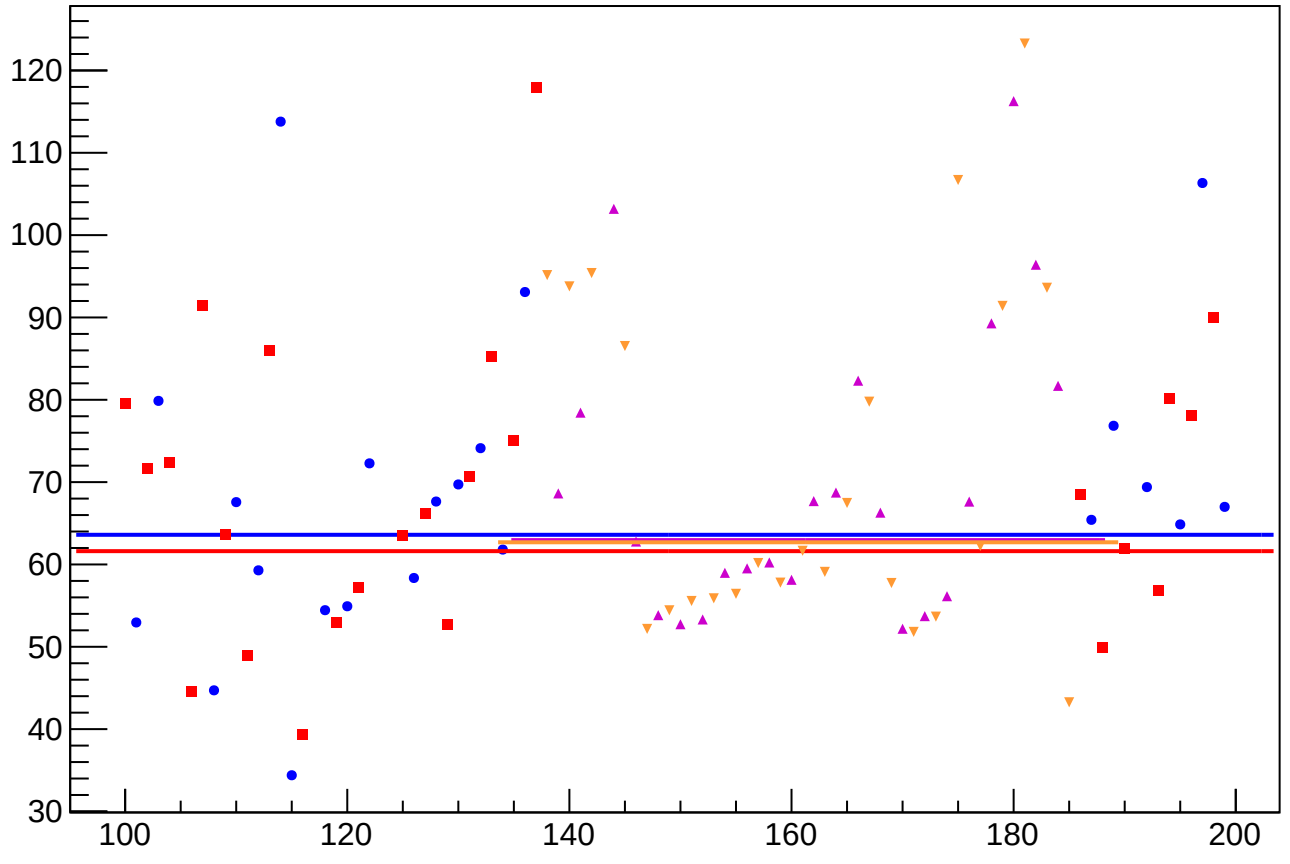
Right Out: 0.010+/-0.019 χ^2/NDF: 36.2/24

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

+ sign -0.007+/-0.012 χ^2/NDF: 50.5/45

All: 0.006+/-0.009 χ^2/NDF: 118.0/93

- sign 0.017+/-0.012 χ^2/NDF: 65.5/47



Right In: 63.602+/-0.014 χ^2/NDF: 1009543.3/21

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

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

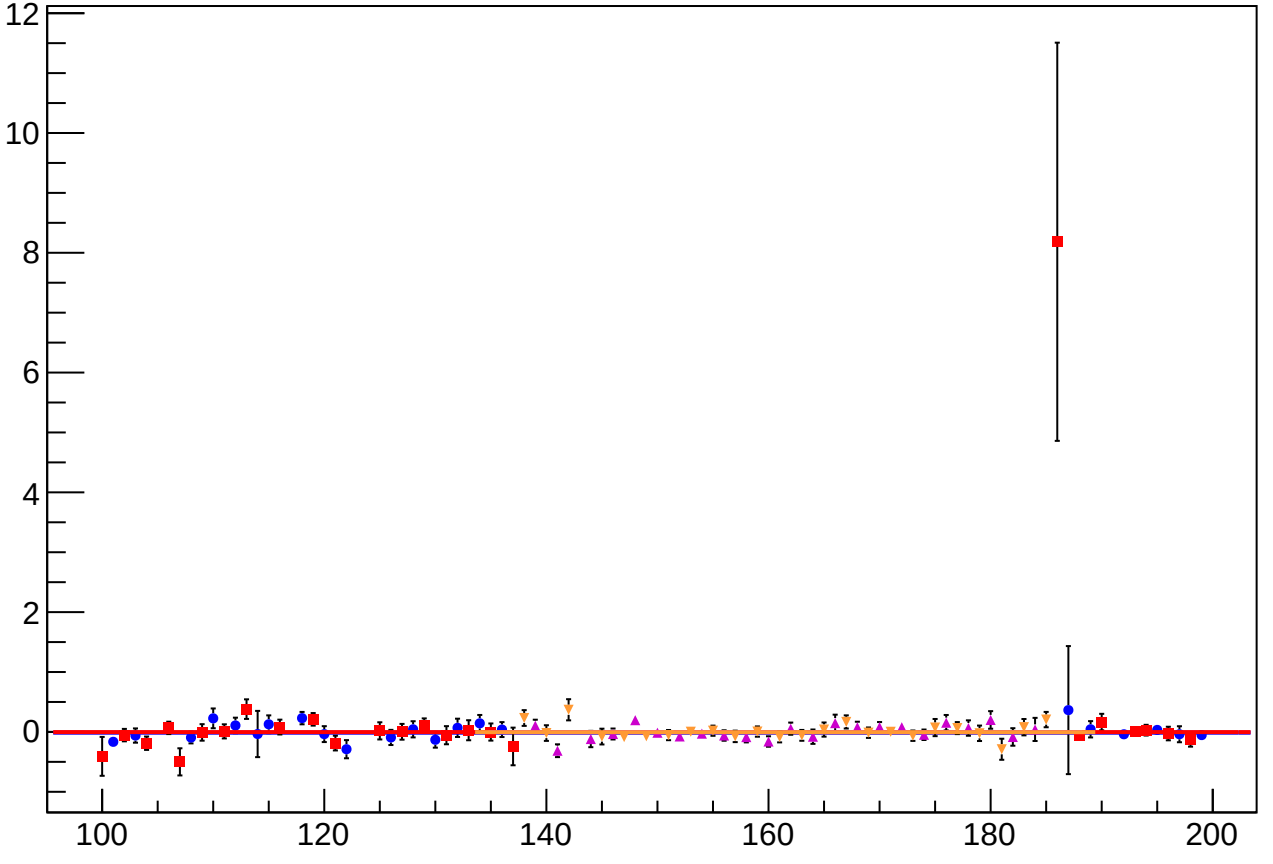
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 63.034+/-0.009 χ^2/NDF: 2951519.5/45

All: 62.716+/-0.006 χ^2/NDF: 5510498.2/93

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

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.013+/-0.025 χ^2/NDF: 21.2/21

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

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

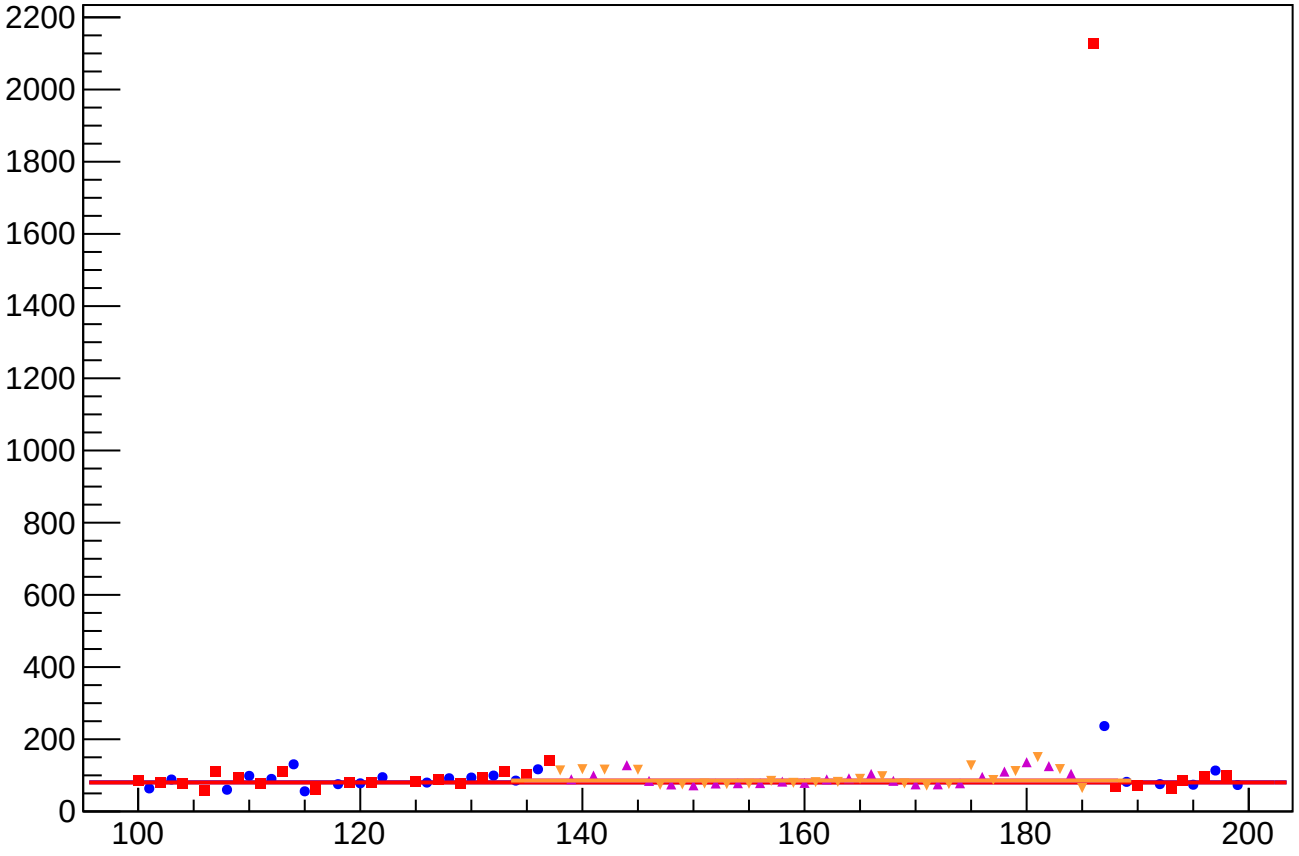
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.008+/-0.016 χ^2/NDF: 42.6/45

All: -0.005+/-0.011 χ^2/NDF: 106.5/93

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

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 80.725+/-0.018 χ^2/NDF: 764215.2/21

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

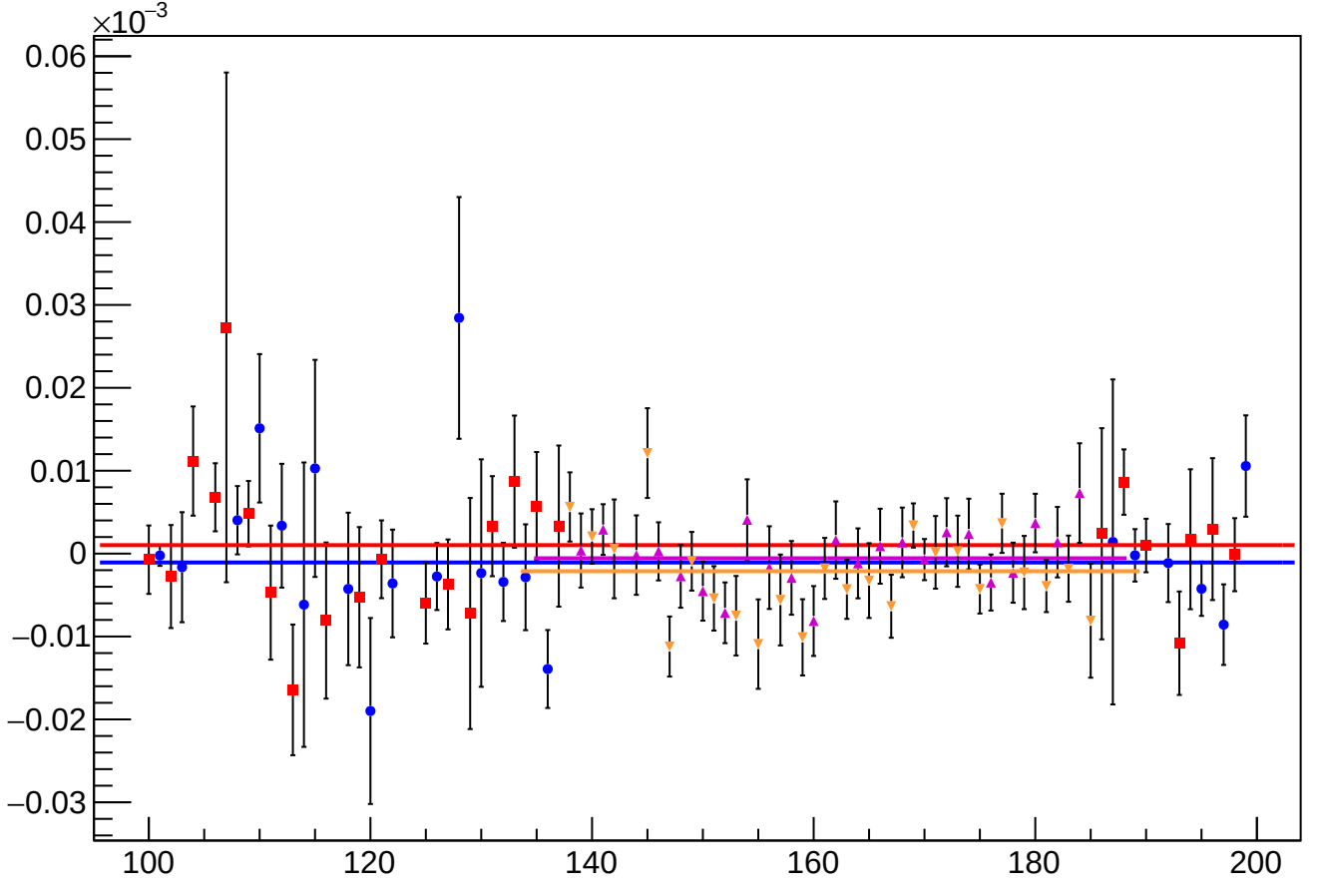
Right Out: 80.269+/-0.017 χ^2/NDF: 1512746.4/24

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

+ sign 83.665+/-0.011 χ^2/NDF: 2162699.1/45

All: 83.537+/-0.008 χ^2/NDF: 4728927.7/93

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



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/21

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

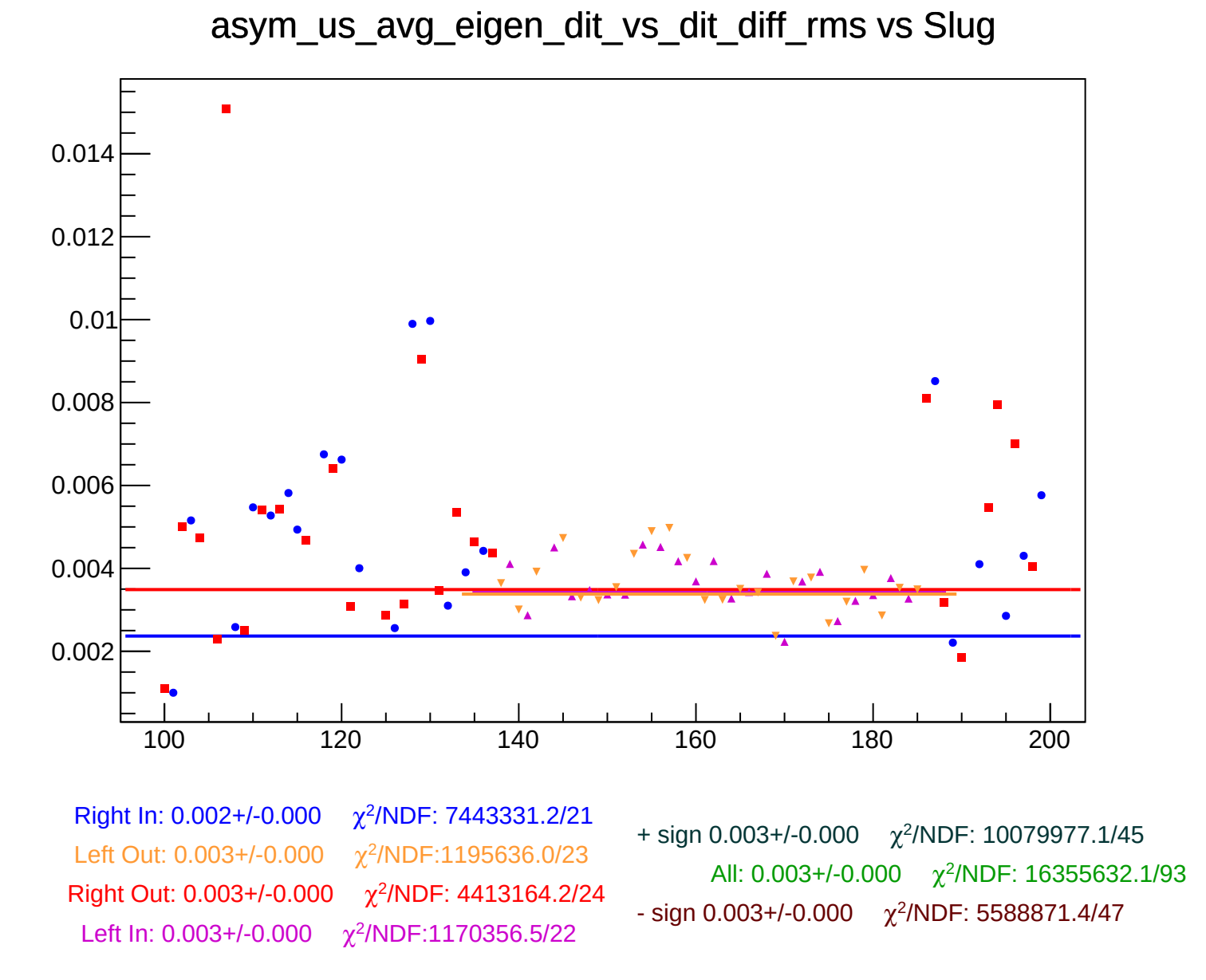
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/24

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

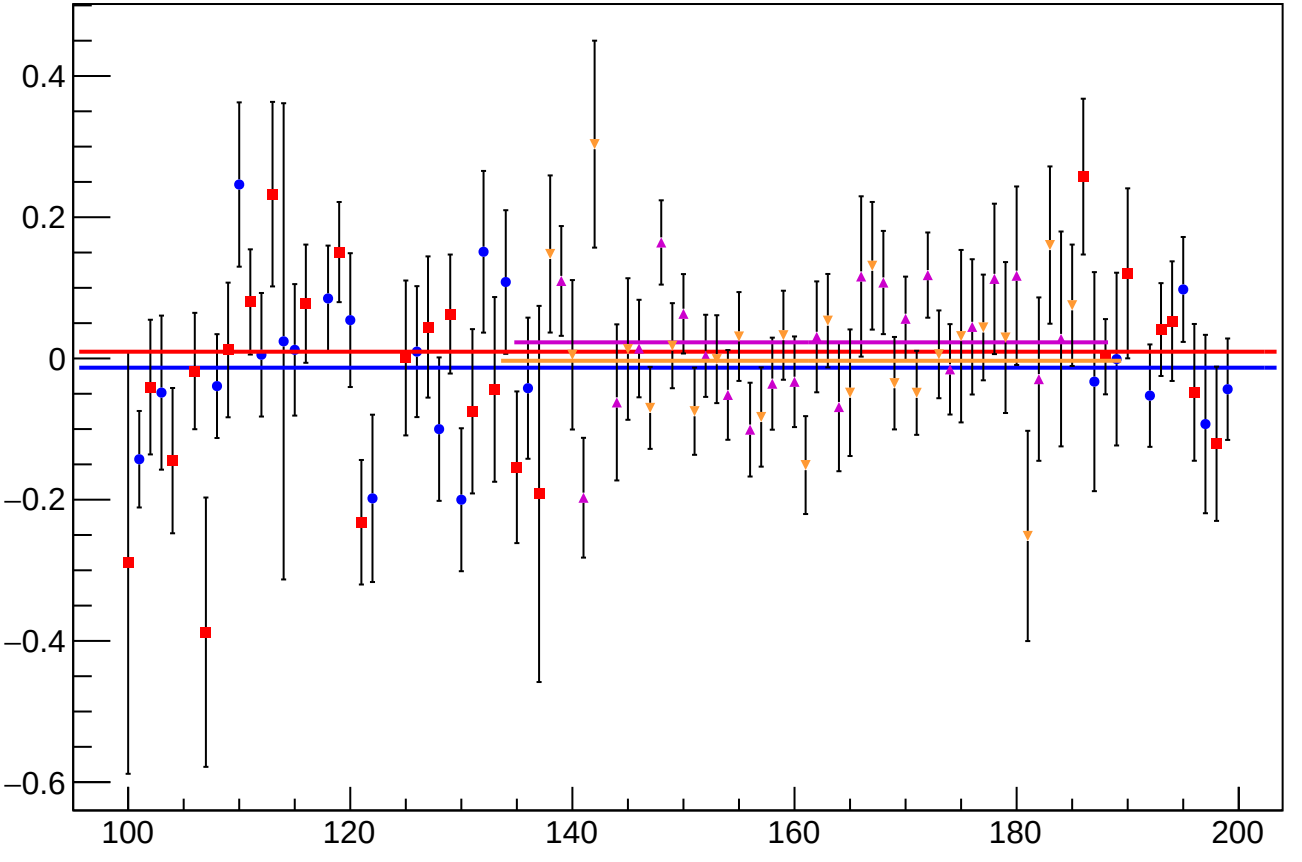
+ sign -0.000+/-0.000 χ^2/NDF: 66.6/45

All: -0.000+/-0.000 χ^2/NDF: 113.6/93

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


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 7443331.2/21
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 4413164.2/24
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
+ sign 0.003+/-0.000 χ²/NDF: 10079977.1/45
All: 0.003+/-0.000 χ²/NDF: 16355632.1/93
- sign 0.003+/-0.000 χ²/NDF: 5588871.4/47

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

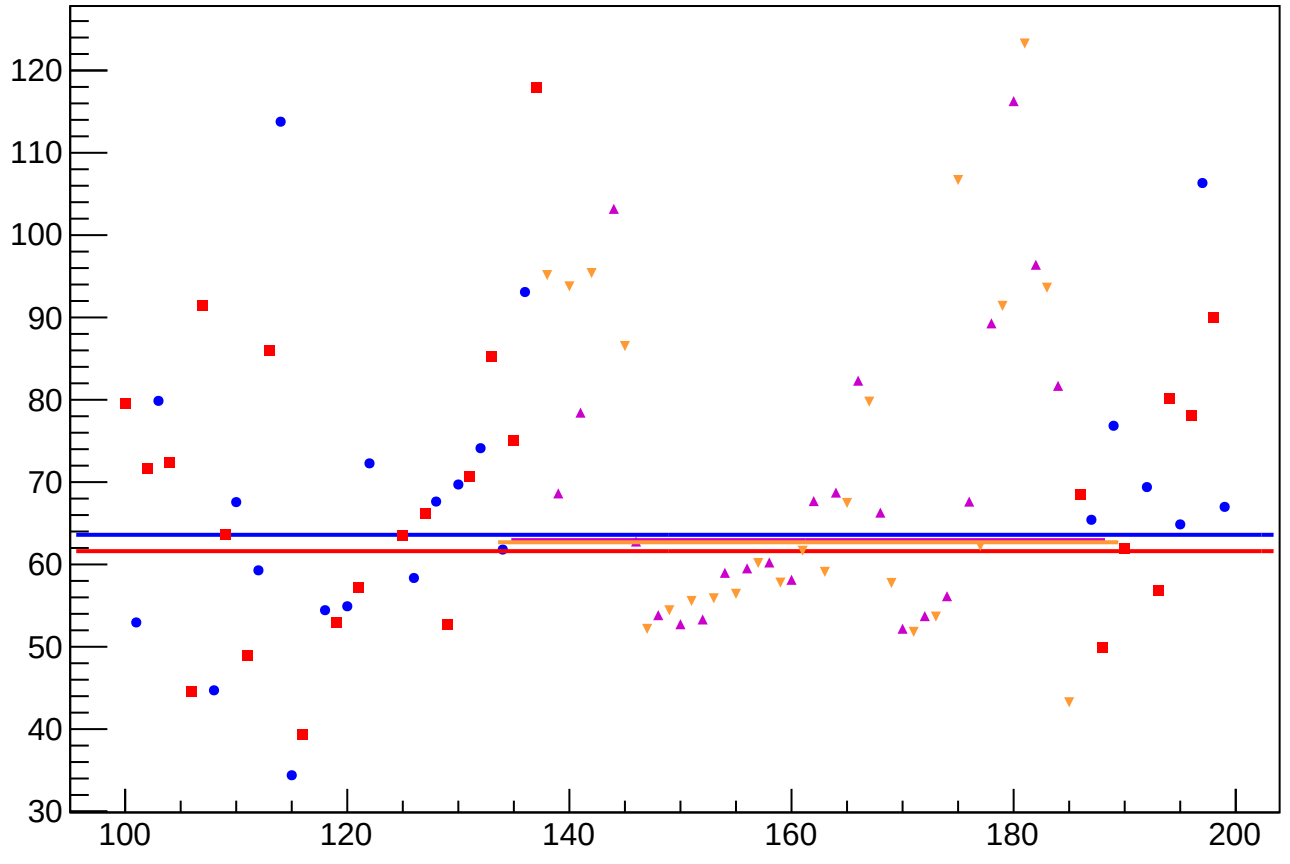
Right Out: 0.010+/-0.019 χ^2/NDF: 36.2/24

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

+ sign -0.007+/-0.012 χ^2/NDF: 50.5/45

All: 0.006+/-0.009 χ^2/NDF: 118.0/93

- sign 0.017+/-0.012 χ^2/NDF: 65.5/47



Right In: 63.601+/-0.014 χ^2/NDF: 1009584.5/21

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

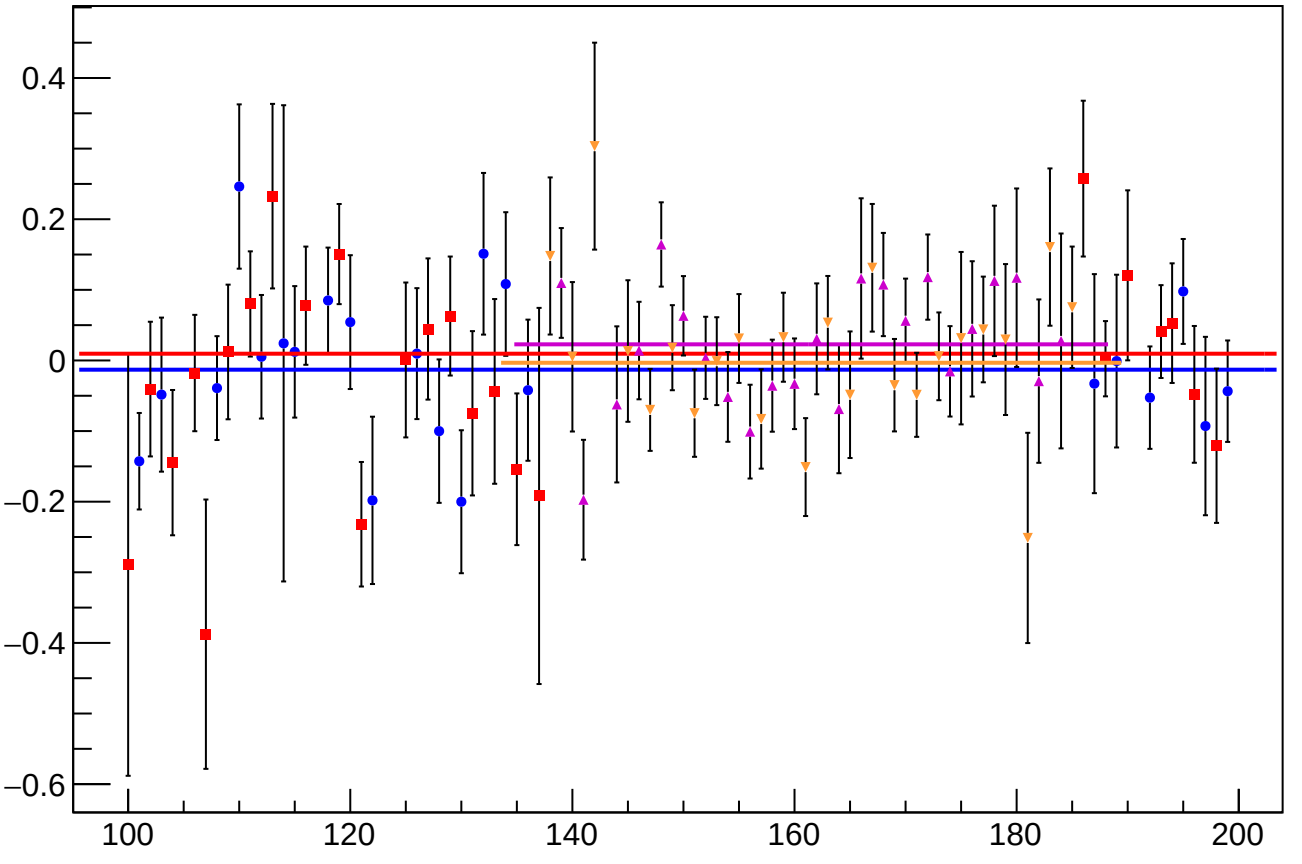
Right Out: 61.615+/-0.013 χ^2/NDF: 1119832.2/24

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

+ sign 63.034+/-0.009 χ^2/NDF: 2951534.7/45

All: 62.716+/-0.006 χ^2/NDF: 5510456.2/93

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



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

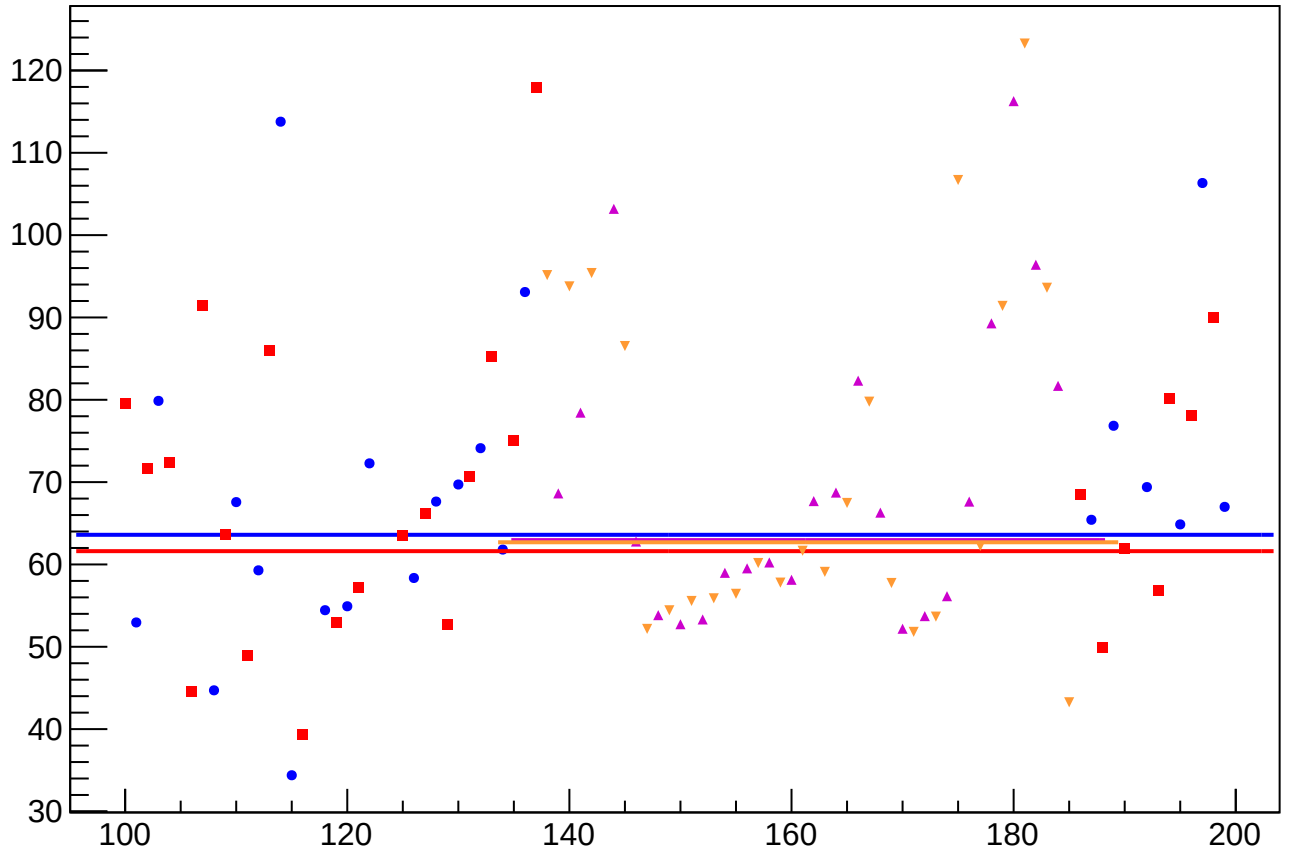
Right Out: 0.010+/-0.019 χ^2/NDF: 36.2/24

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

\+ sign -0.007+/-0.012 χ^2/NDF: 50.5/45

All: 0.006+/-0.009 χ^2/NDF: 118.0/93

\- sign 0.017+/-0.012 χ^2/NDF: 65.5/47



Right In: 63.601+/-0.014 χ^2/NDF: 1009584.5/21

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

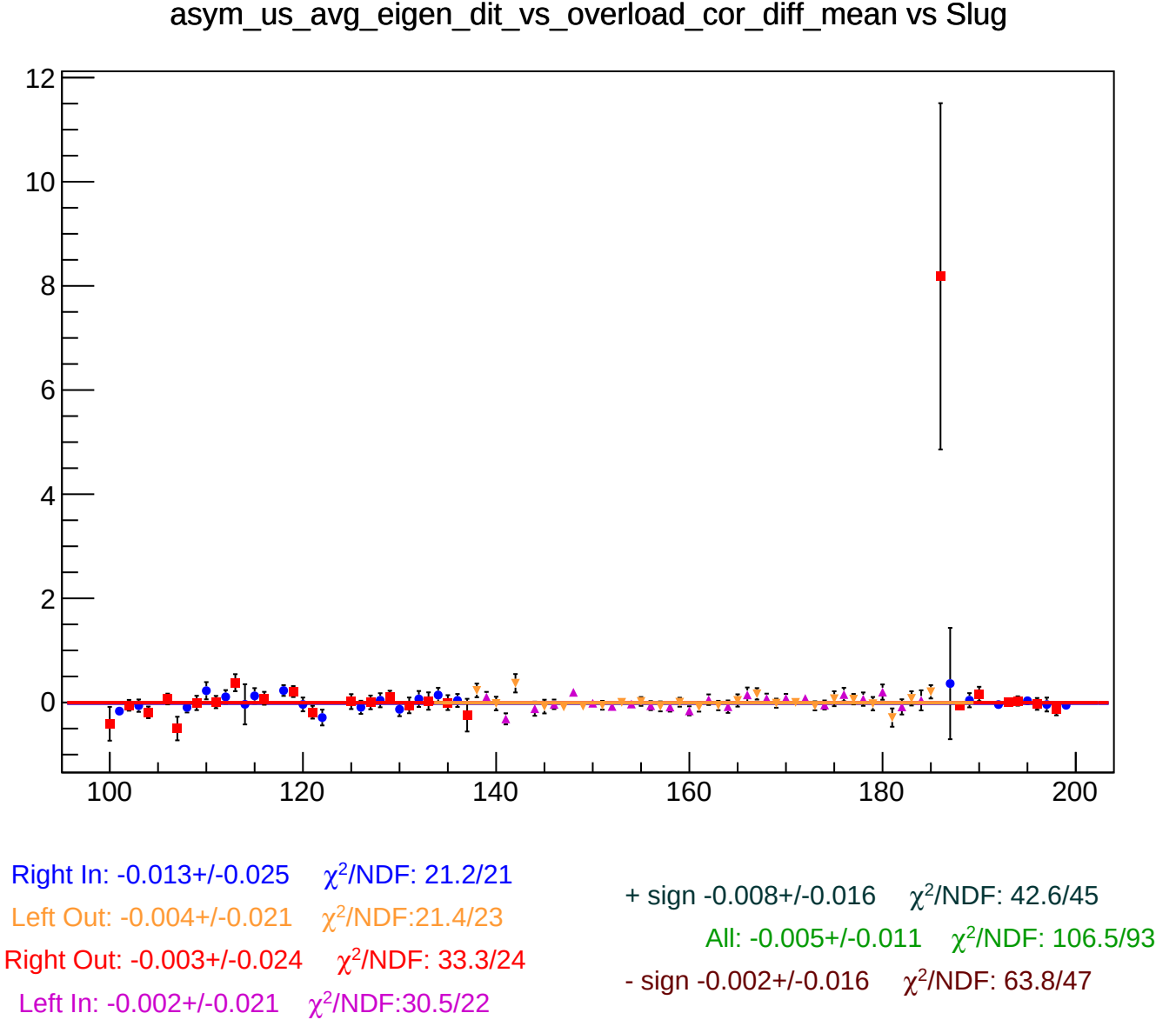
Right Out: 61.615+/-0.013 χ^2/NDF: 1119832.2/24

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

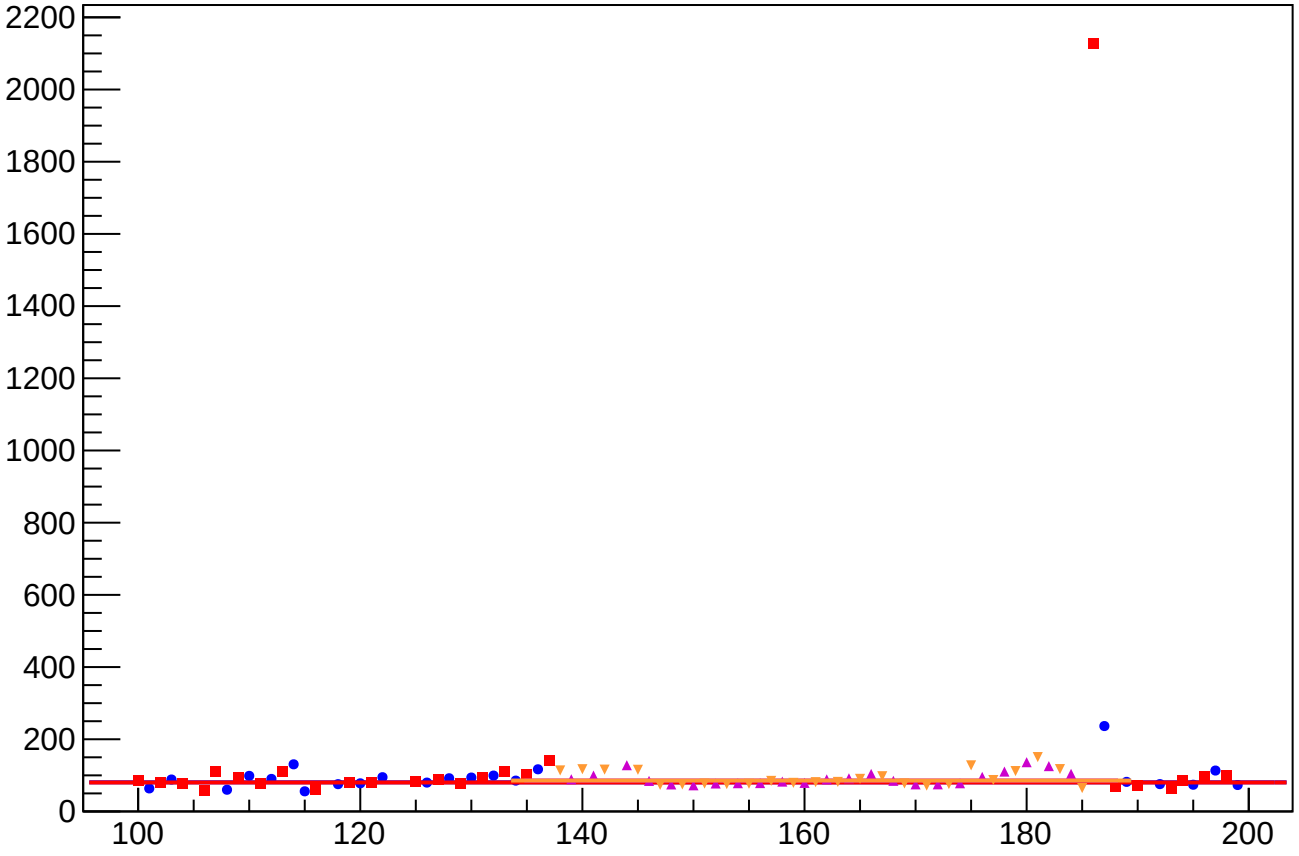
\+ sign 63.034+/-0.009 χ^2/NDF: 2951534.7/45

All: 62.716+/-0.006 χ^2/NDF: 5510456.2/93

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


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: -0.013+/-0.025 χ²/NDF: 21.2/21
Left Out: -0.004+/-0.021 χ²/NDF:21.4/23
Right Out: -0.003+/-0.024 χ²/NDF: 33.3/24
Left In: -0.002+/-0.021 χ²/NDF:30.5/22
+ sign -0.008+/-0.016 χ²/NDF: 42.6/45
All: -0.005+/-0.011 χ²/NDF: 106.5/93
- sign -0.002+/-0.016 χ²/NDF: 63.8/47

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 80.724+/-0.018 χ^2/NDF: 764204.8/21

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

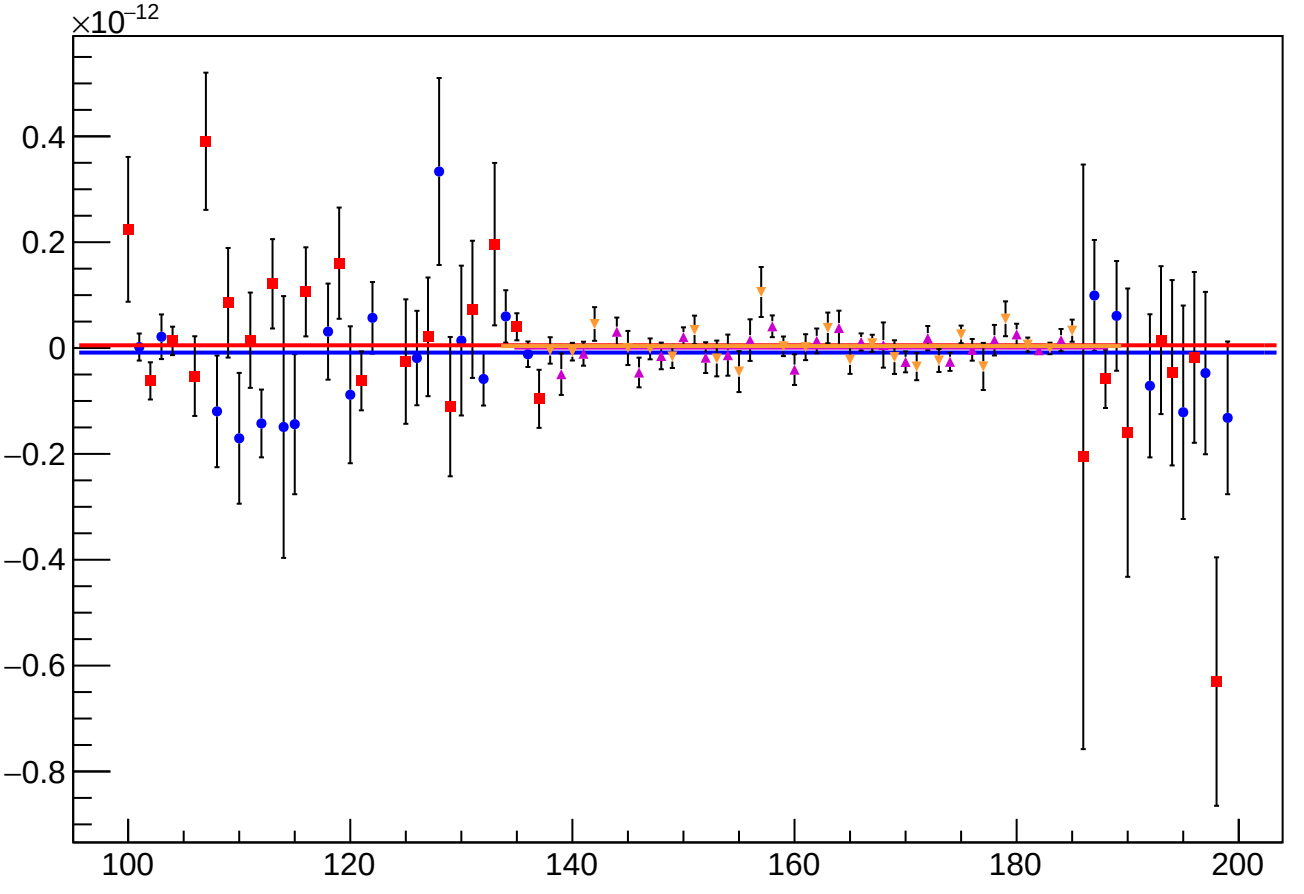
Right Out: 80.268+/-0.017 χ^2/NDF: 1512714.6/24

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

+ sign 83.665+/-0.011 χ^2/NDF: 2162698.9/45

All: 83.537+/-0.008 χ^2/NDF: 4728905.6/93

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



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/21

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

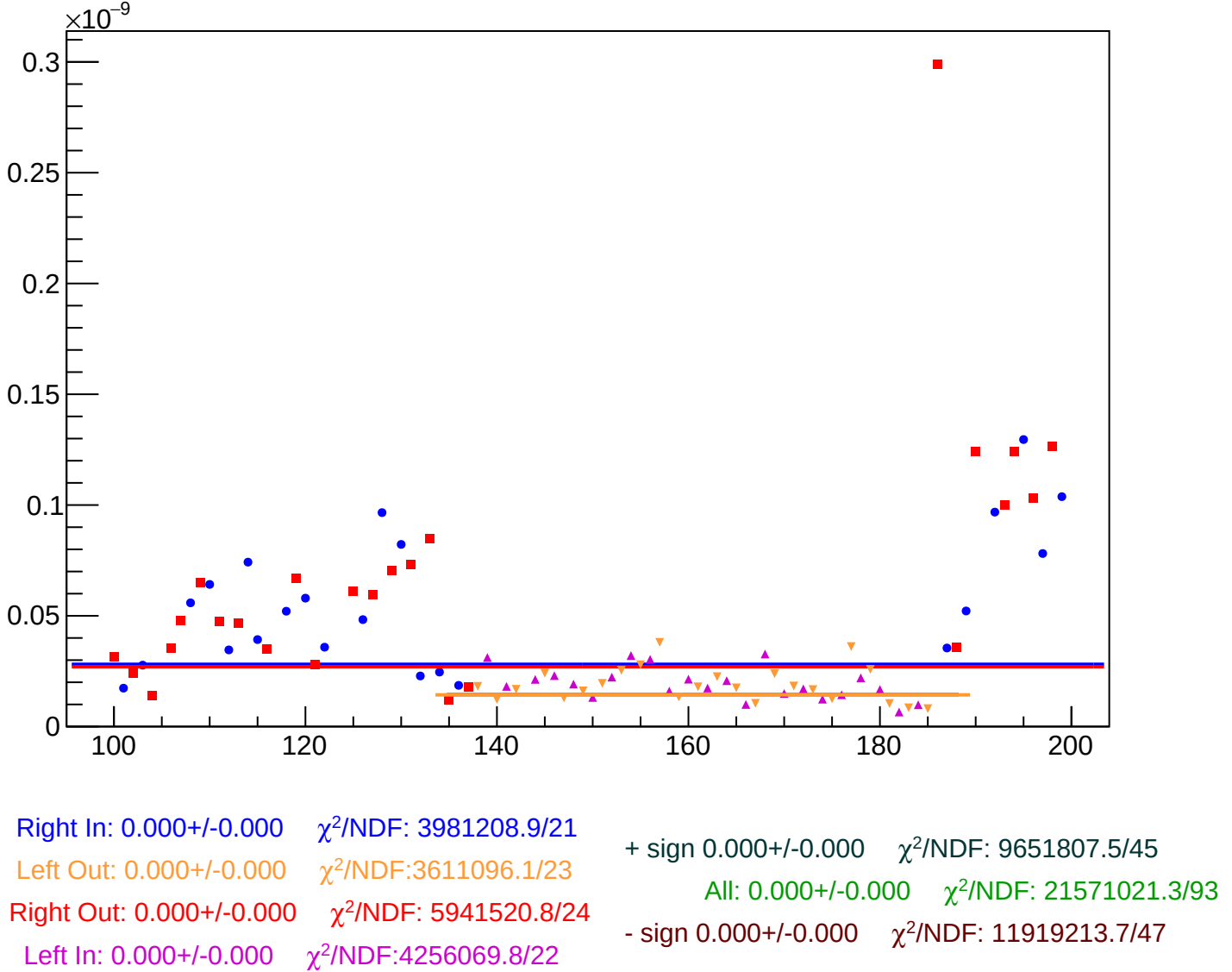
Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/24

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

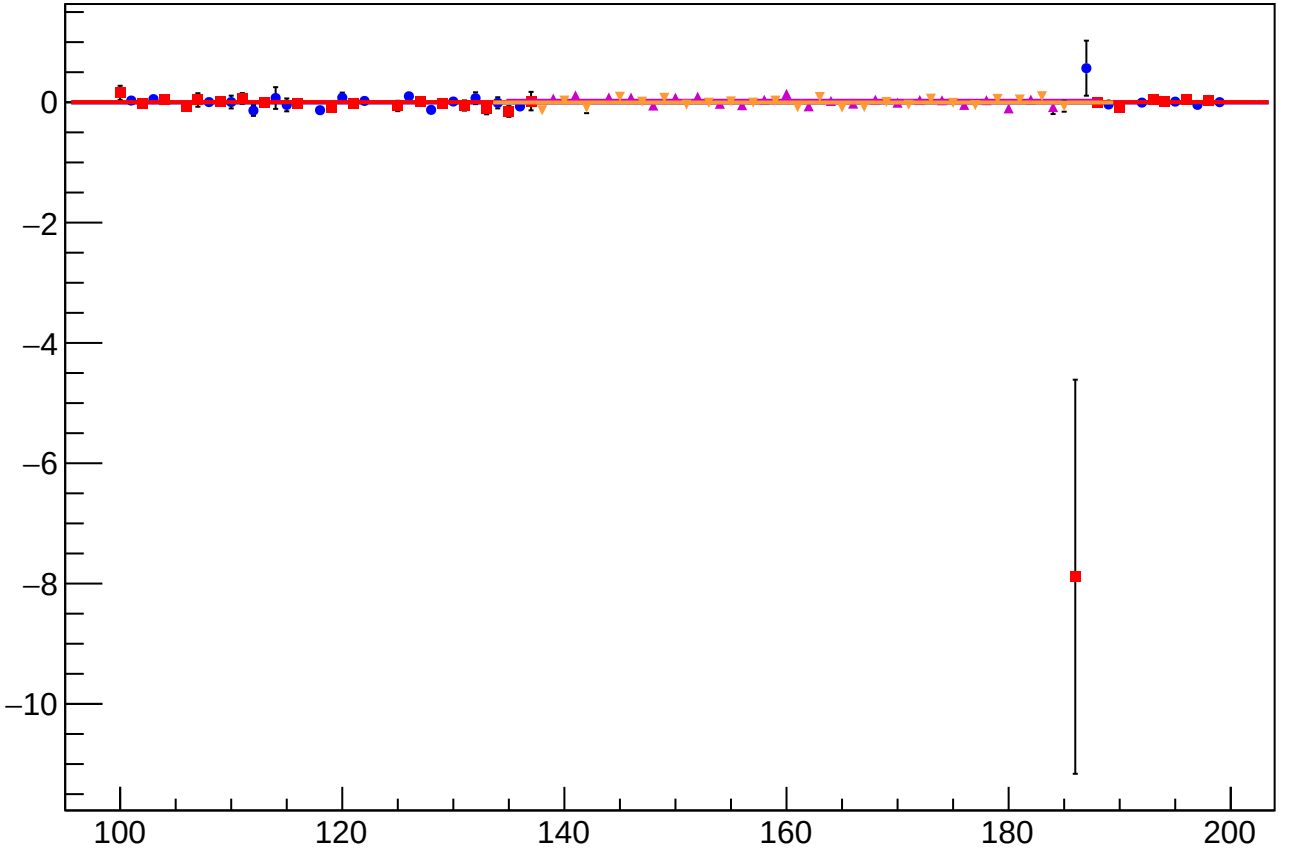
+ sign 0.000+/-0.000 χ^2/NDF: 46.1/45

All: 0.000+/-0.000 χ^2/NDF: 110.4/93

- 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: 3981208.9/21
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: 9651807.5/45
All: 0.000+/-0.000 χ²/NDF: 21571021.3/93
- sign 0.000+/-0.000 χ²/NDF: 11919213.7/47

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.010 χ^2/NDF: 19.6/21

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

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

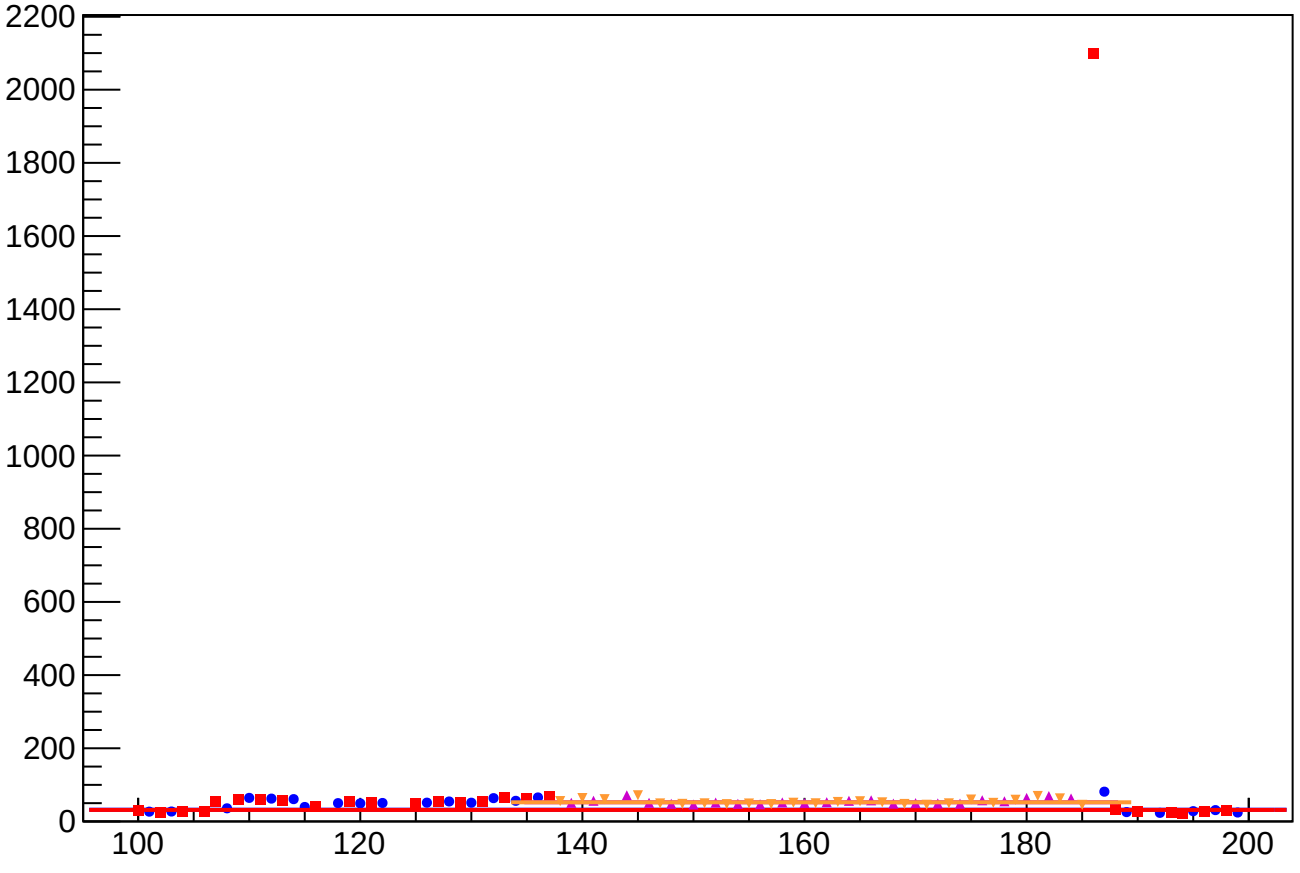
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 42.8/45

All: 0.005+/-0.006 χ^2/NDF: 99.7/93

- sign 0.012+/-0.008 χ^2/NDF: 55.0/47

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 32.108+/-0.007 χ^2/NDF: 2637016.0/21

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

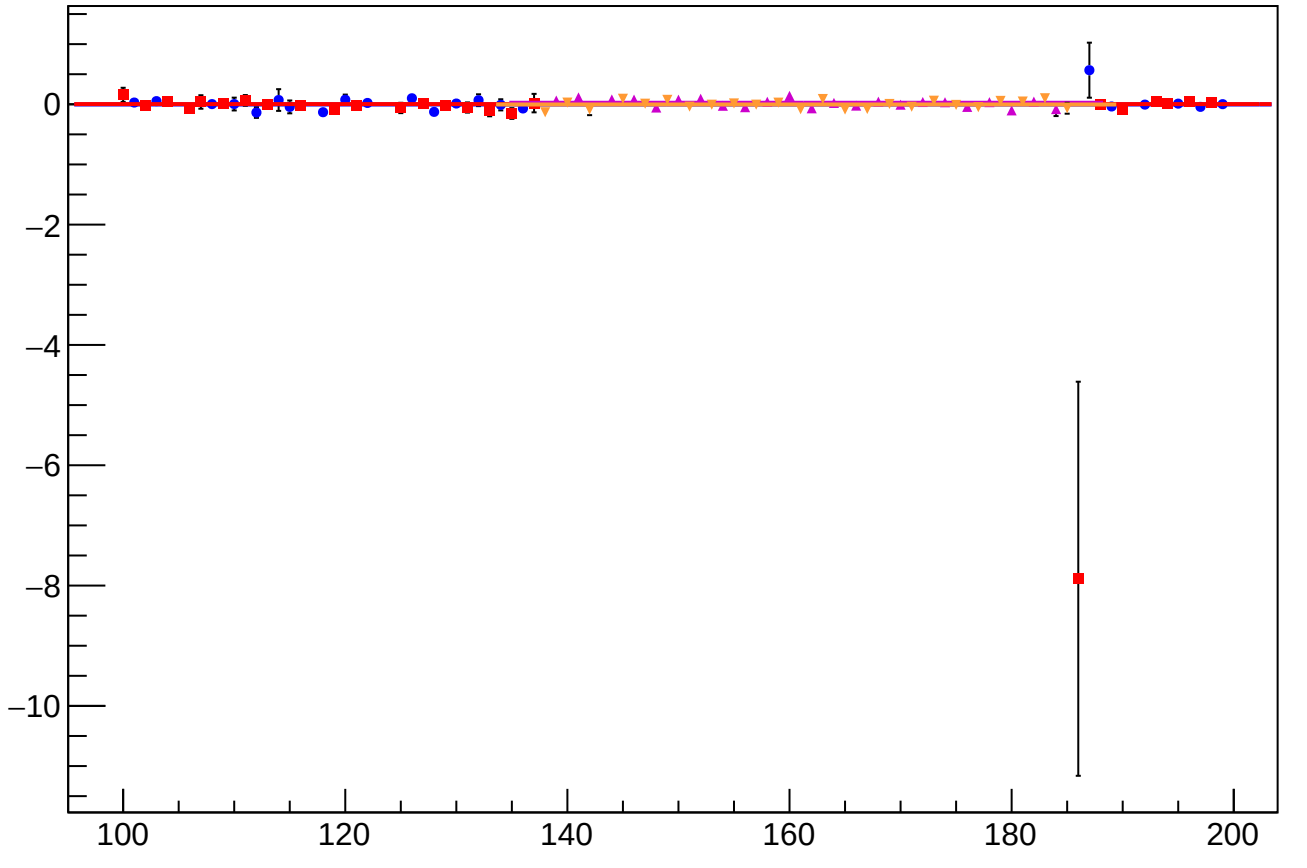
Right Out: 31.509+/-0.007 χ^2/NDF: 3578519.0/24

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

+ sign 40.493+/-0.006 χ^2/NDF: 6276960.6/45

All: 40.090+/-0.004 χ^2/NDF: 13735259.6/93

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



Right In: -0.003+/-0.010 χ^2/NDF: 19.6/21

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

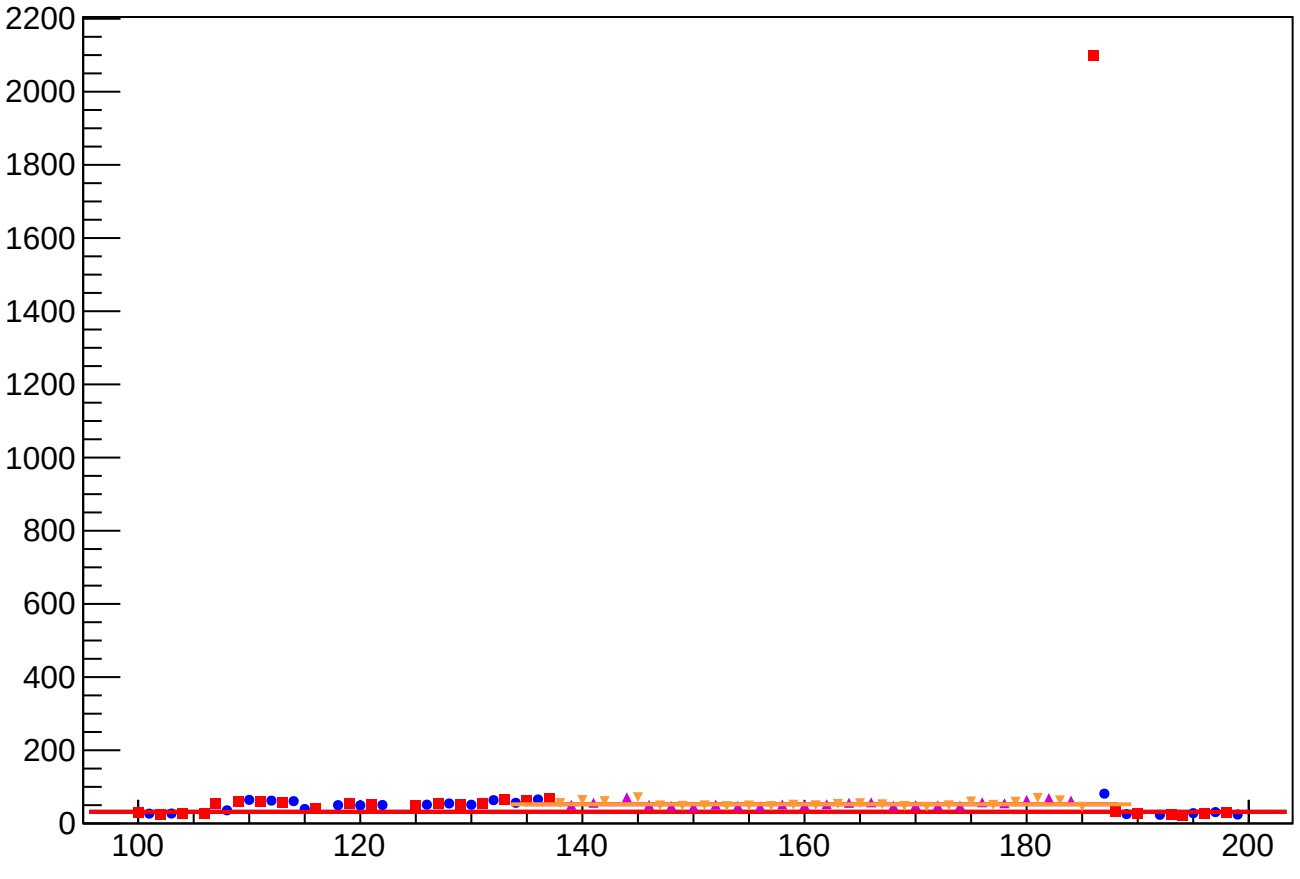
Right Out: 0.003+/-0.010 χ^2/NDF: 28.9/24

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

+ sign -0.003+/-0.008 χ^2/NDF: 42.8/45

All: 0.005+/-0.006 χ^2/NDF: 99.7/93

- sign 0.012+/-0.008 χ^2/NDF: 55.0/47



Right In: 32.108+/-0.007 χ^2/NDF: 2637016.0/21

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

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

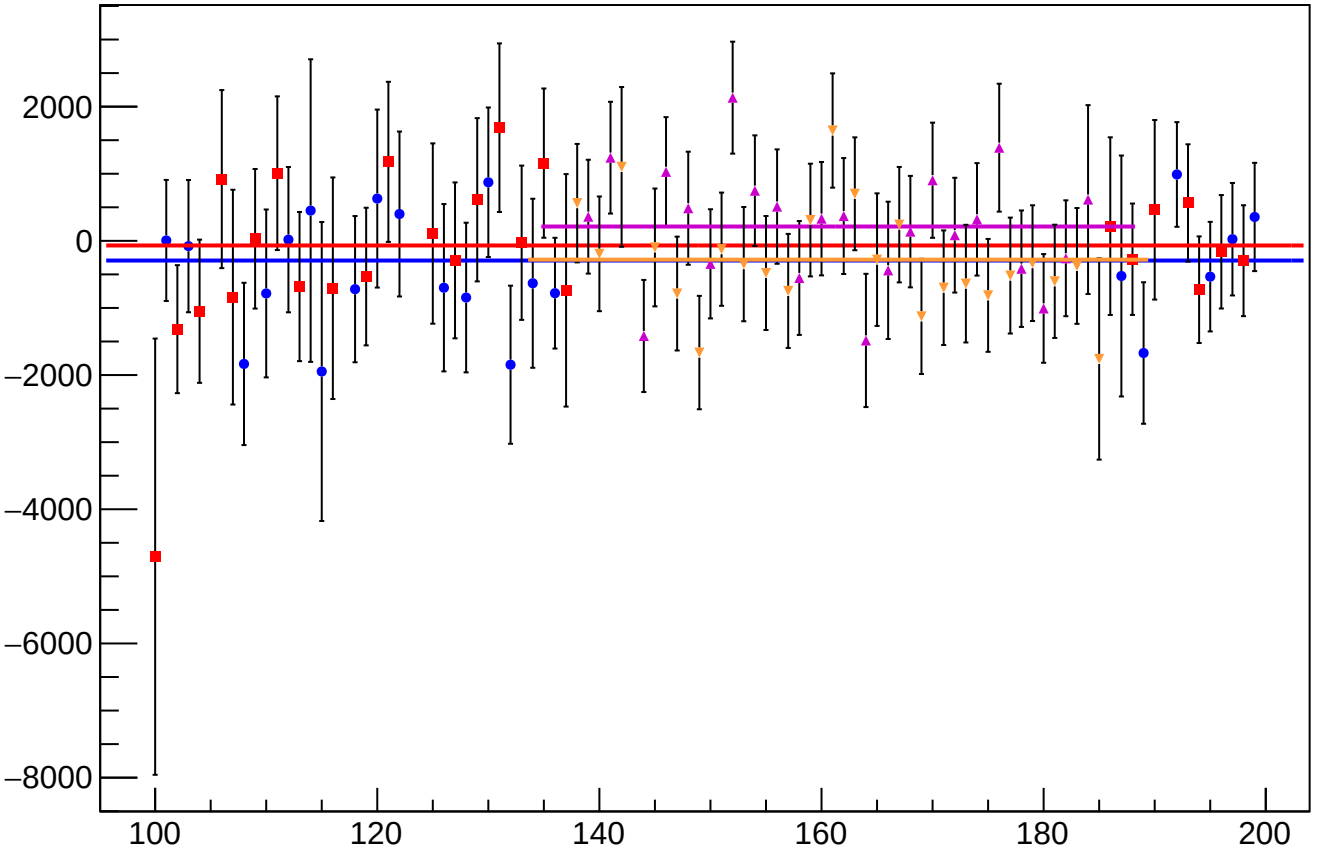
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 40.493+/-0.006 χ^2/NDF: 6276960.6/45

All: 40.090+/-0.004 χ^2/NDF: 13735259.6/93

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

reg_asym_us_dd_mean vs Slug



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

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

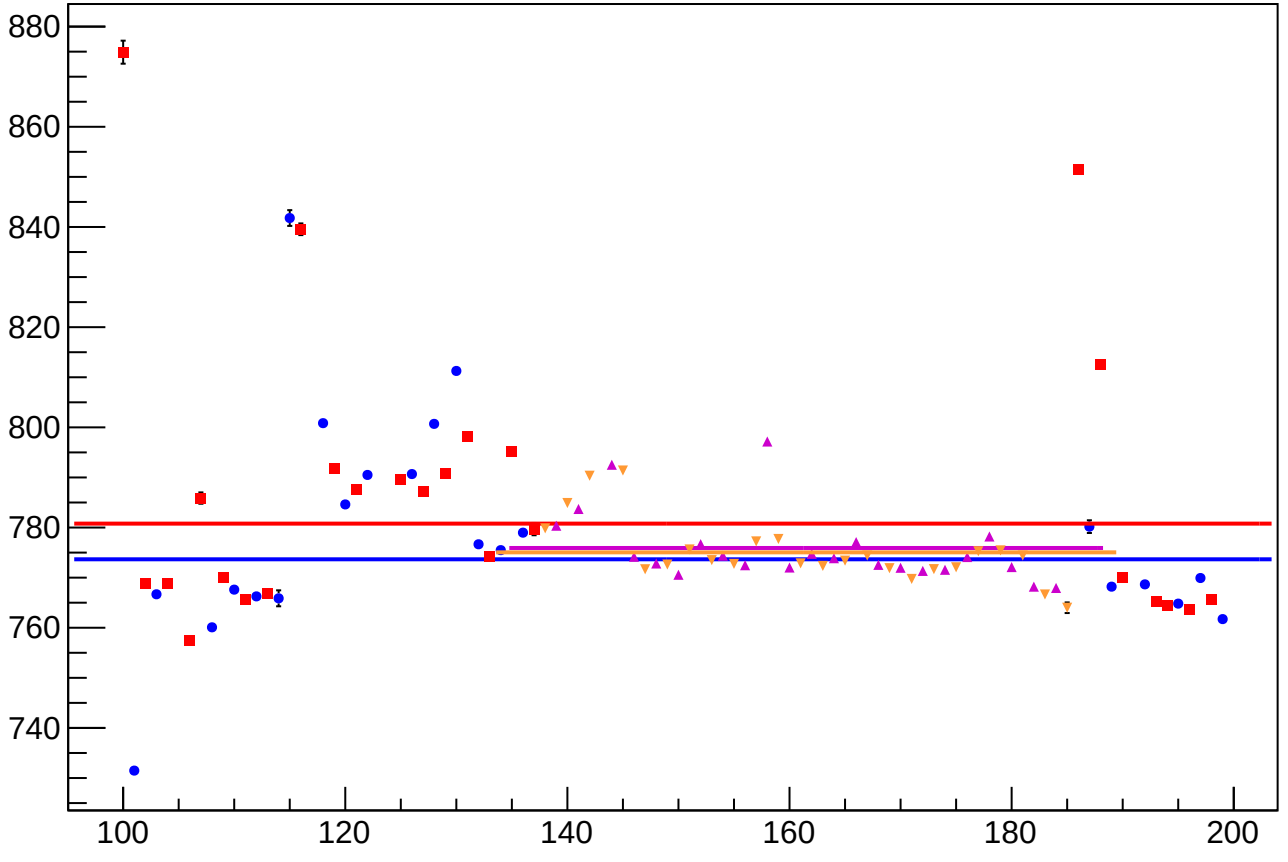
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -285.370+/-141.145 χ^2/NDF: 28.6/45

All: -91.296+/-99.478 χ^2/NDF: 69.0/93

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

reg_asym_us_dd_rms vs Slug



Right In: 773.663+/-0.161 χ^2/NDF: 13315.9/21

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

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

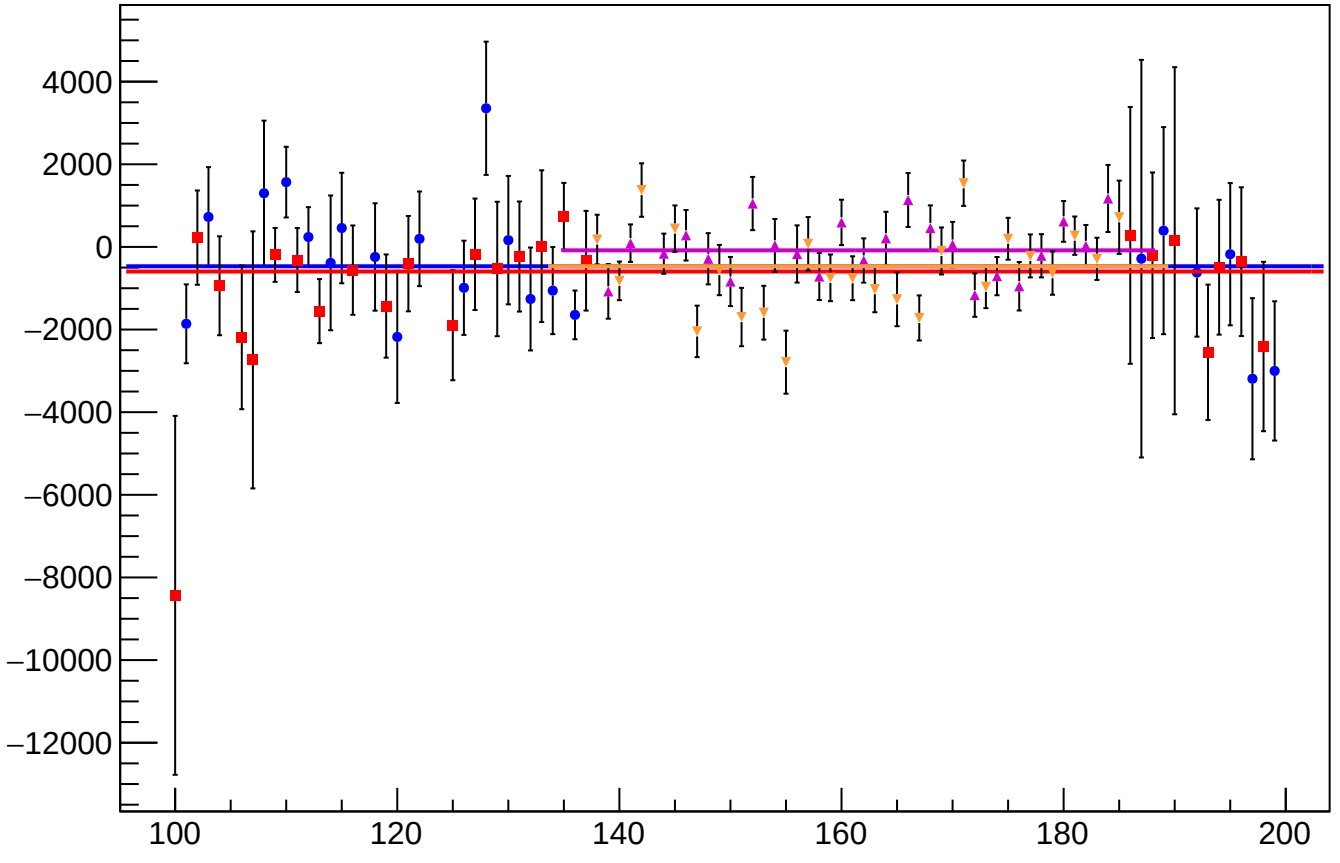
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 774.517+/-0.100 χ^2/NDF: 15312.8/45

All: 776.205+/-0.070 χ^2/NDF: 38850.3/93

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

asym_us_dd_reg_correction_mean vs Slug



Right In: -468.484+/-252.950 χ^2/NDF: 27.8/21

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

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

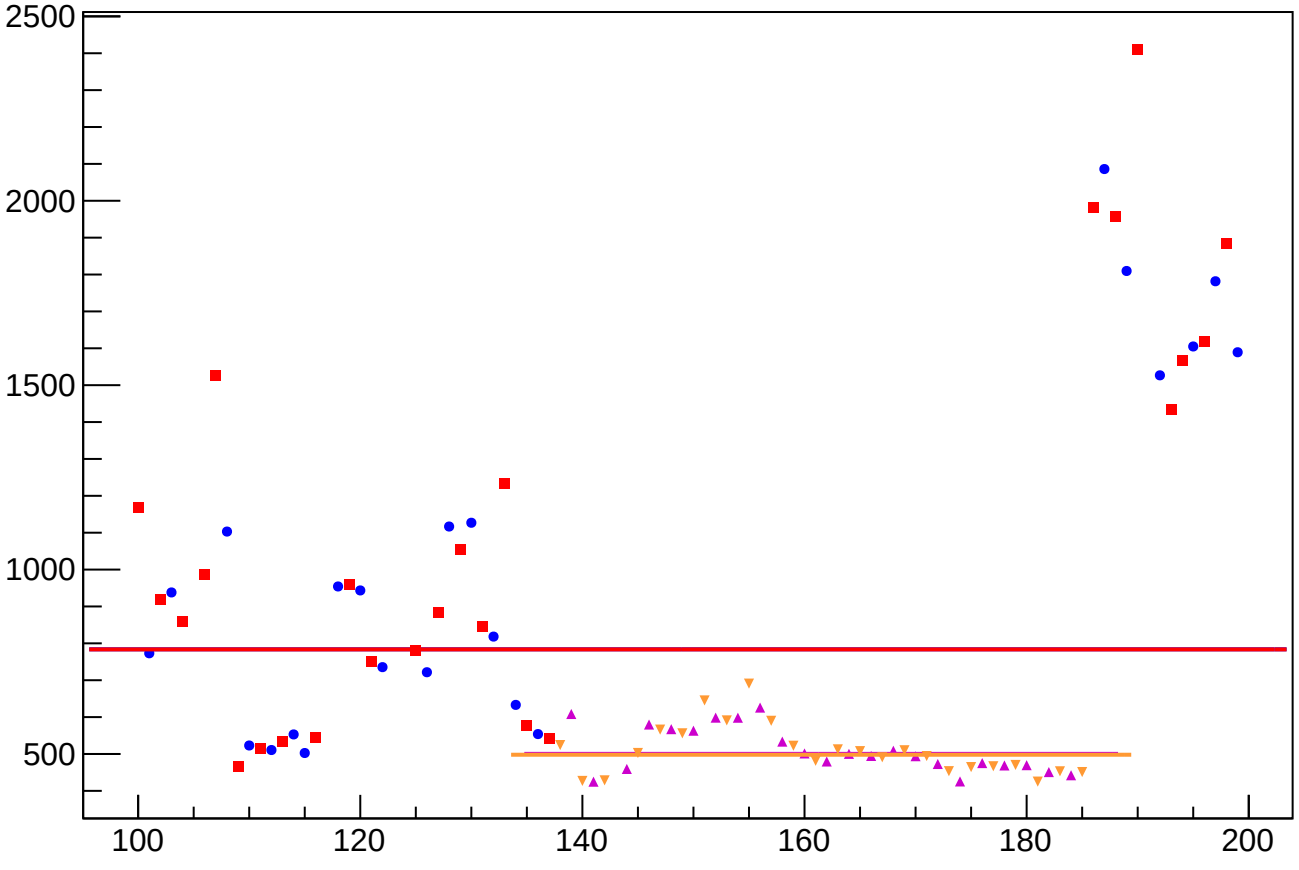
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -467.385+/-105.975 χ^2/NDF: 92.3/45

All: -322.883+/-75.108 χ^2/NDF: 141.7/93

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

asym_us_dd_reg_correction_rms vs Slug



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

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

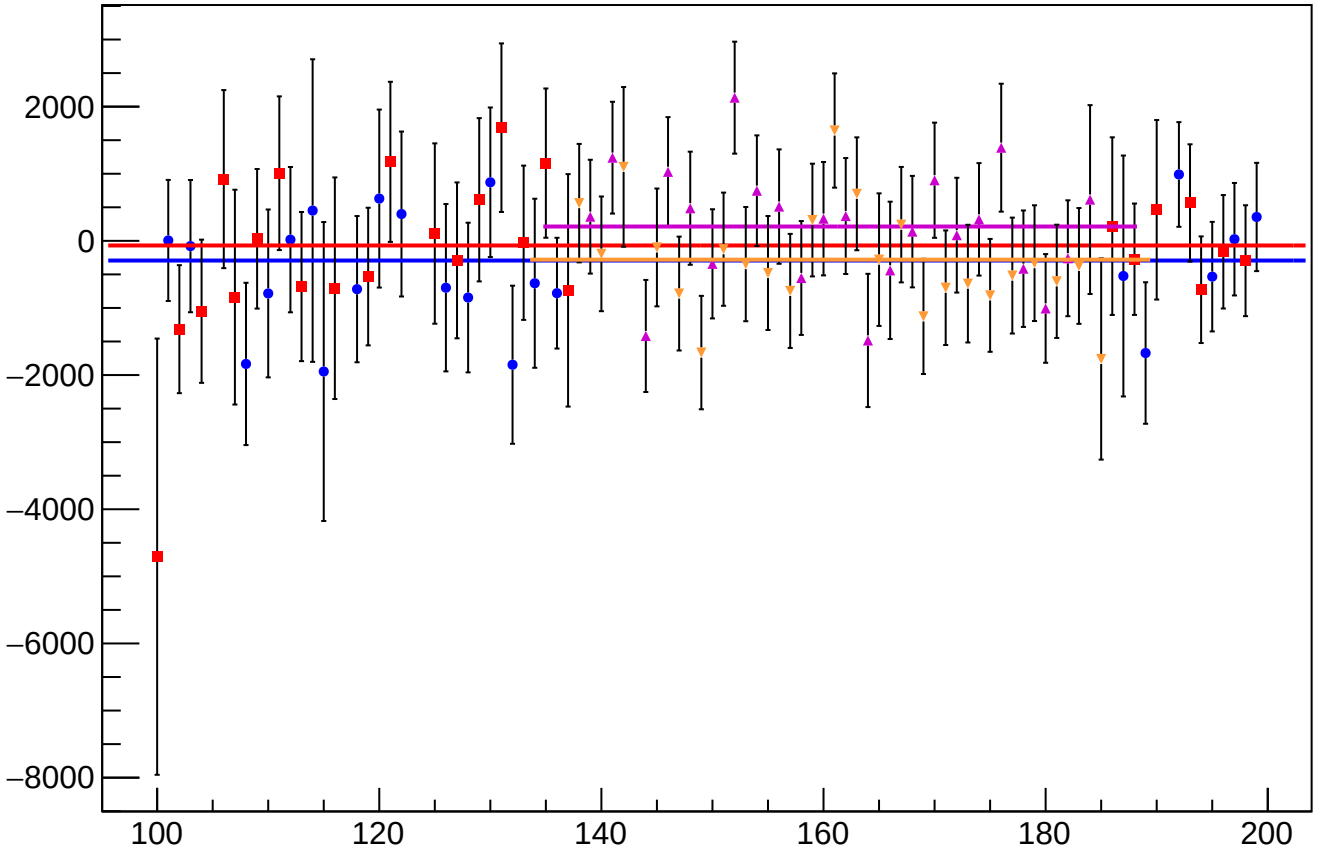
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 548.138+/-0.075 χ^2/NDF: 6299413.1/45

All: 550.174+/-0.053 χ^2/NDF: 13616712.9/93

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

cor_asym_us_dd_mean vs Slug



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

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

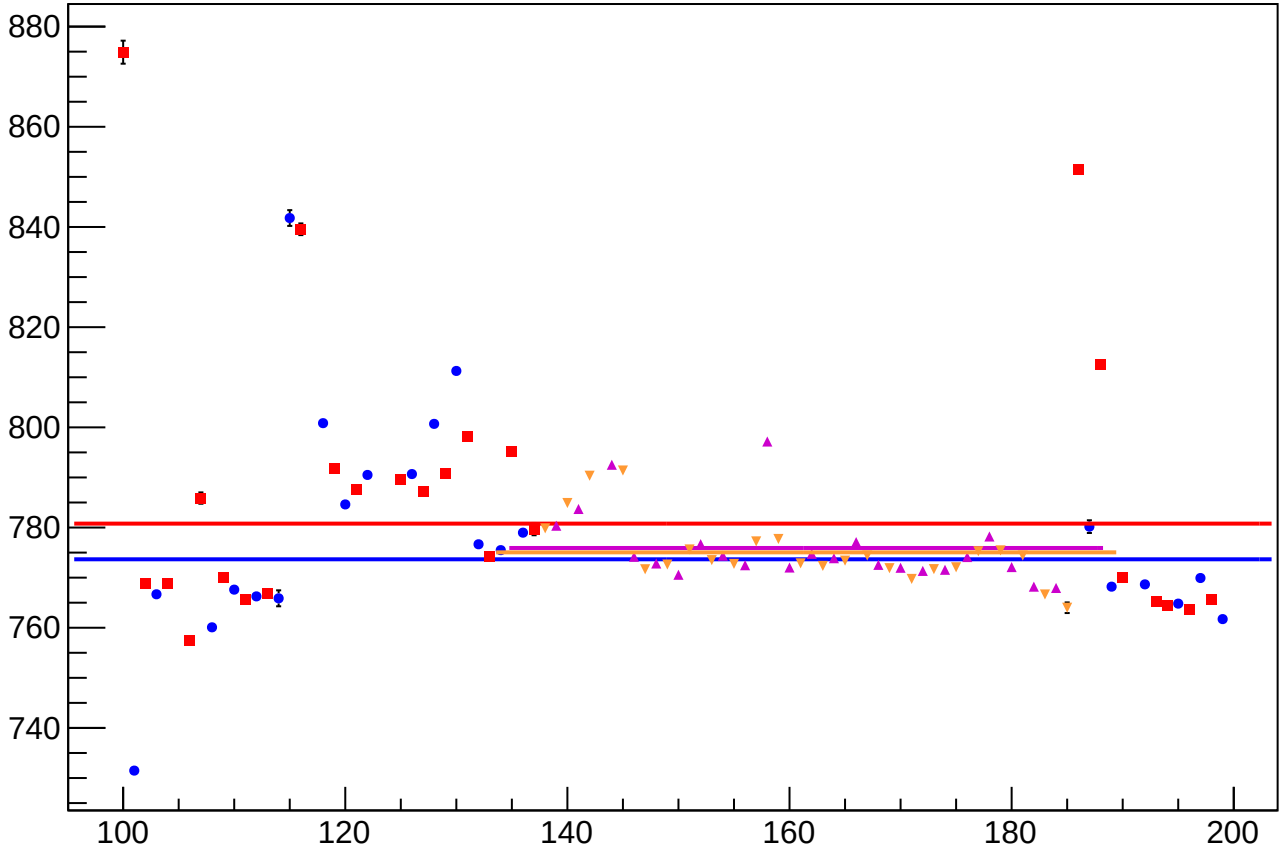
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -285.370+/-141.145 χ^2/NDF: 28.6/45

All: -91.296+/-99.478 χ^2/NDF: 69.0/93

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

cor_asym_us_dd_rms vs Slug



Right In: 773.663+/-0.161 χ^2/NDF: 13315.9/21

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

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

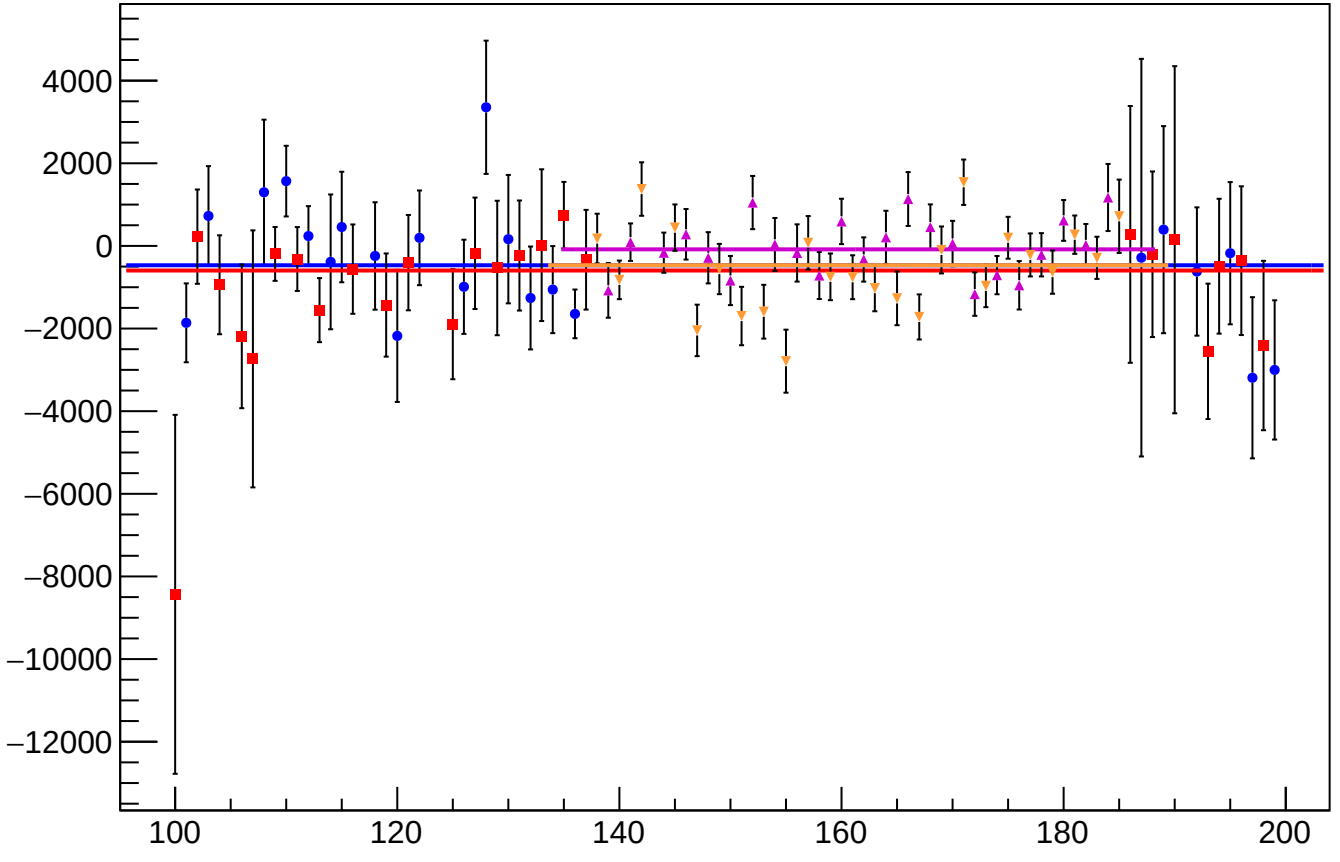
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 774.517+/-0.100 χ^2/NDF: 15312.8/45

All: 776.205+/-0.070 χ^2/NDF: 38850.3/93

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

asym_us_dd_cor_correction_mean vs Slug



Right In: -468.484+/-252.950 χ^2/NDF: 27.8/21

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

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

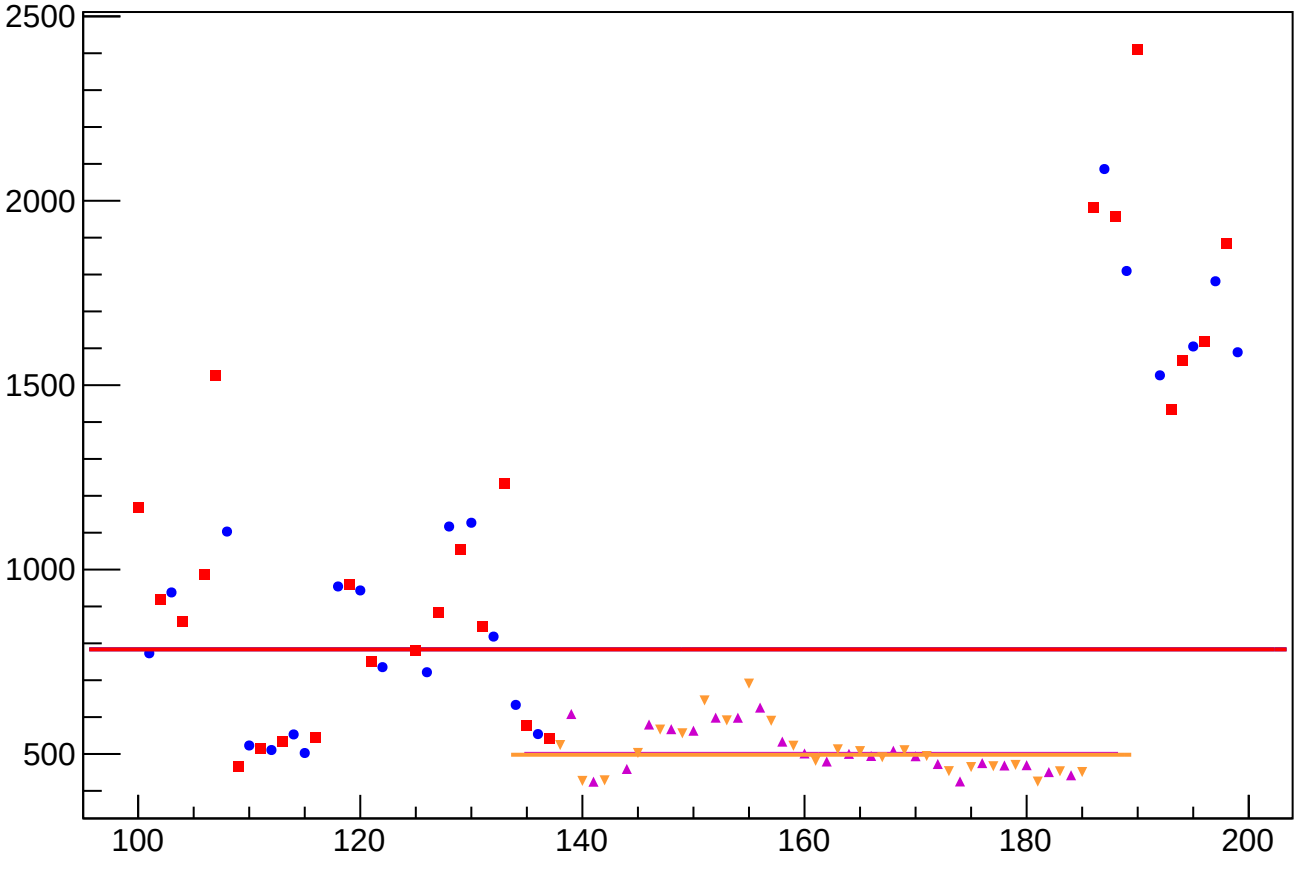
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -467.385+/-105.975 χ^2/NDF: 92.3/45

All: -322.883+/-75.108 χ^2/NDF: 141.7/93

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

asym_us_dd_cor_correction_rms vs Slug



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

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

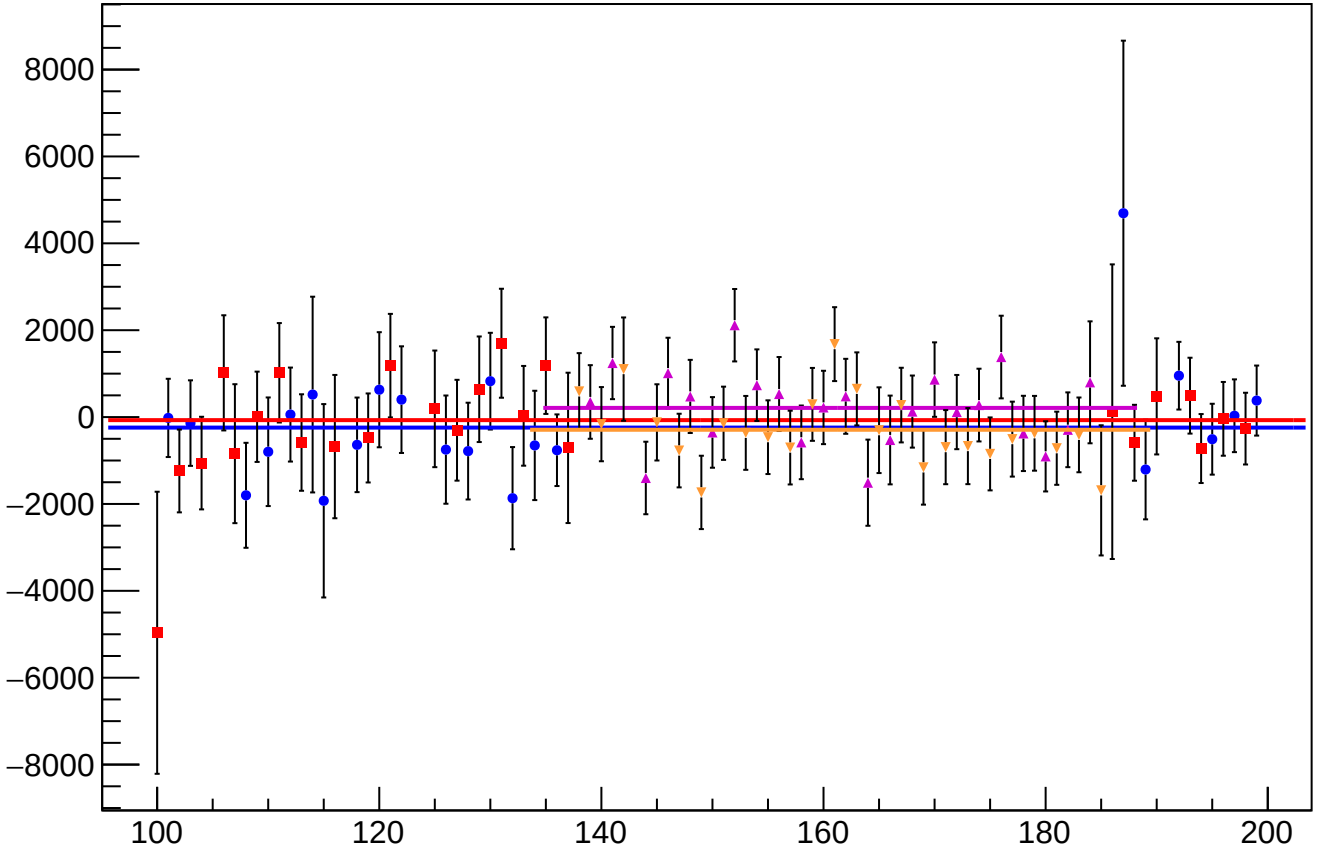
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 548.138+/-0.075 χ^2/NDF: 6299413.1/45

All: 550.174+/-0.053 χ^2/NDF: 13616712.9/93

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

overload_cor_asym_us_dd_mean vs Slug



Right In: -241.957+/-229.802 χ^2/NDF: 12.7/21

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

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

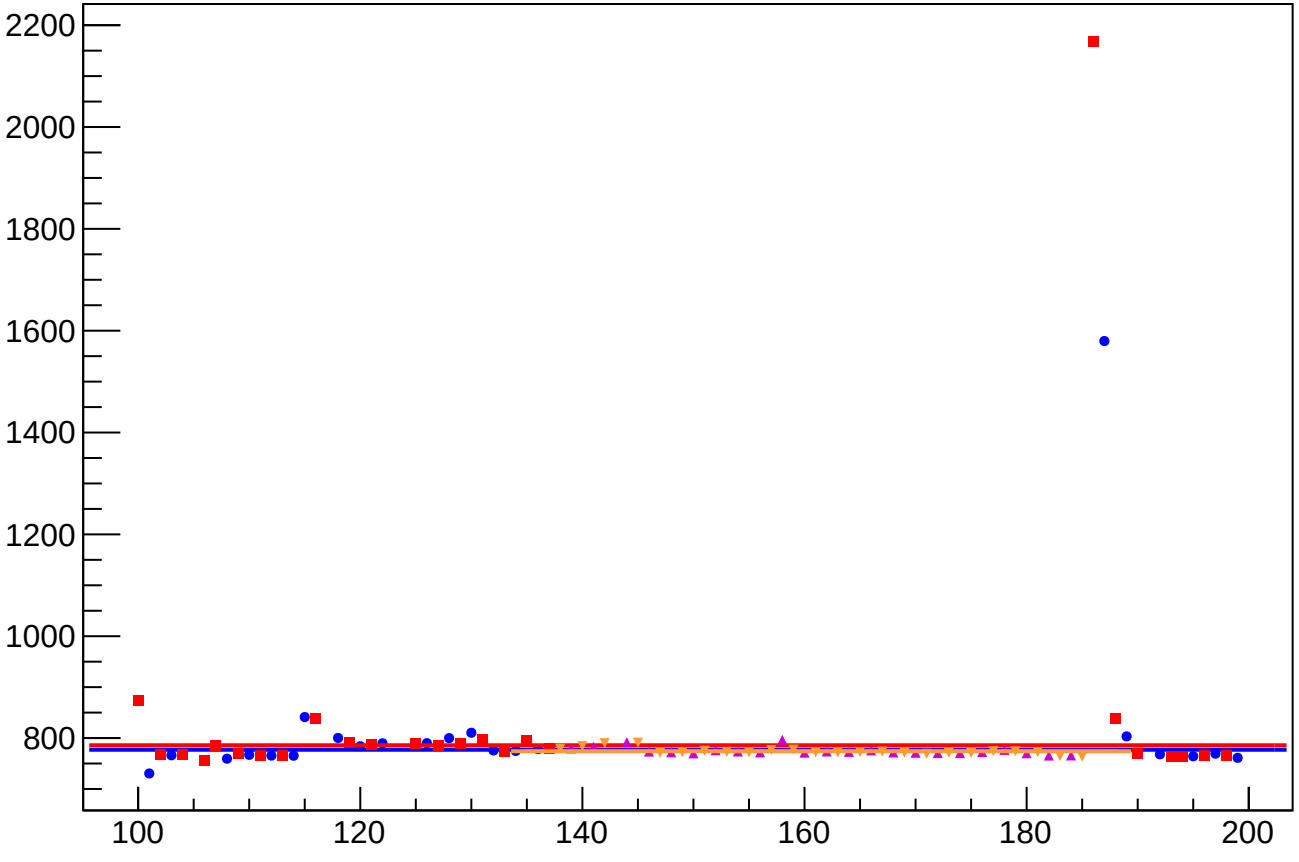
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

\+ sign -273.037+/-141.543 χ^2/NDF: 29.3/45

All: -85.465+/-99.883 χ^2/NDF: 69.5/93

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

overload_cor_asym_us_dd_rms vs Slug



Right In: 777.036+/-0.162 χ^2/NDF: 96525.3/21

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

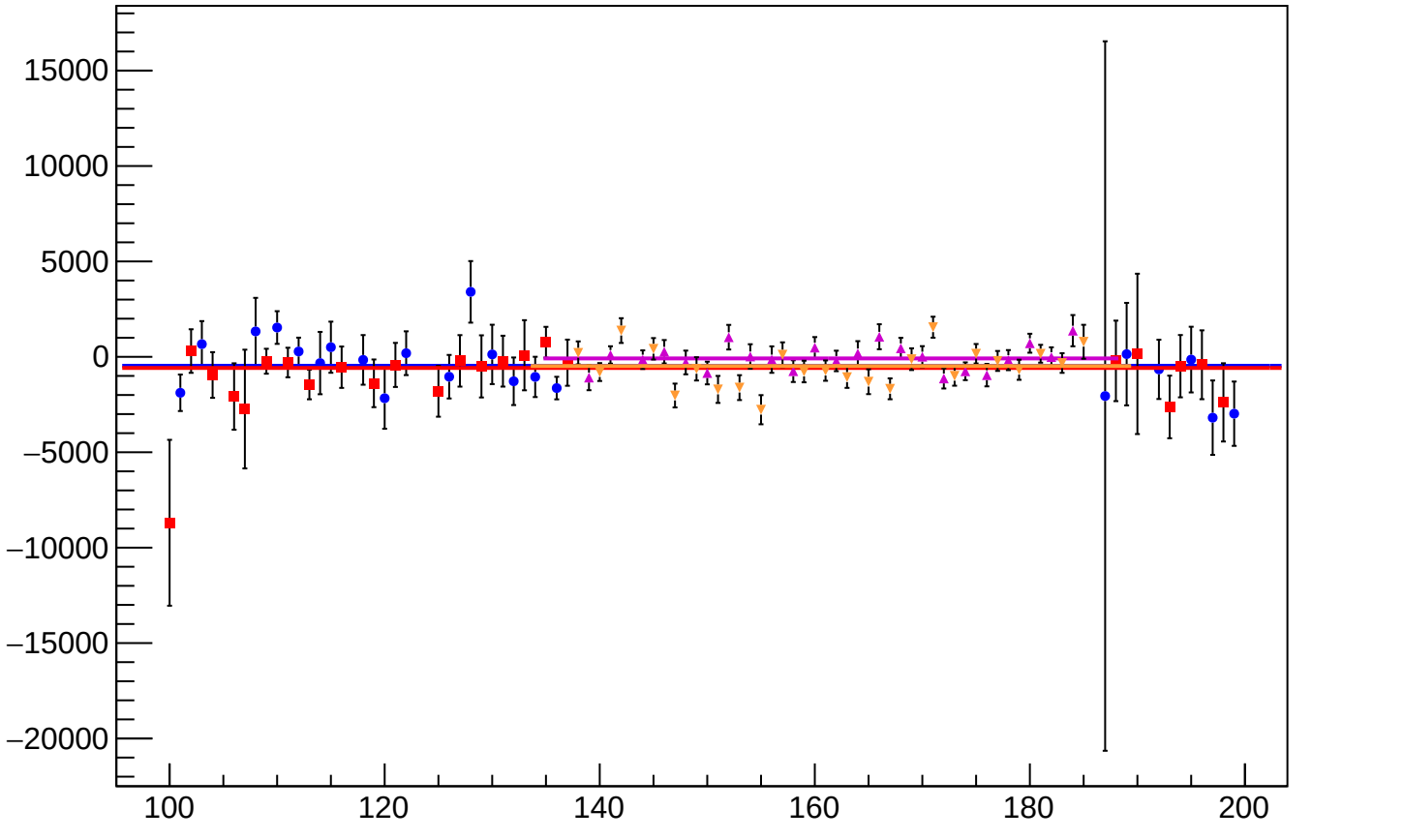
Right Out: 785.836+/-0.159 χ^2/NDF: 352721.1/24

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

+ sign 775.240+/-0.100 χ^2/NDF: 98782.7/45

All: 777.255+/-0.071 χ^2/NDF: 458284.0/93

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



Right In: -468.878+/-253.781 χ^2/NDF: 27.8/21

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

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

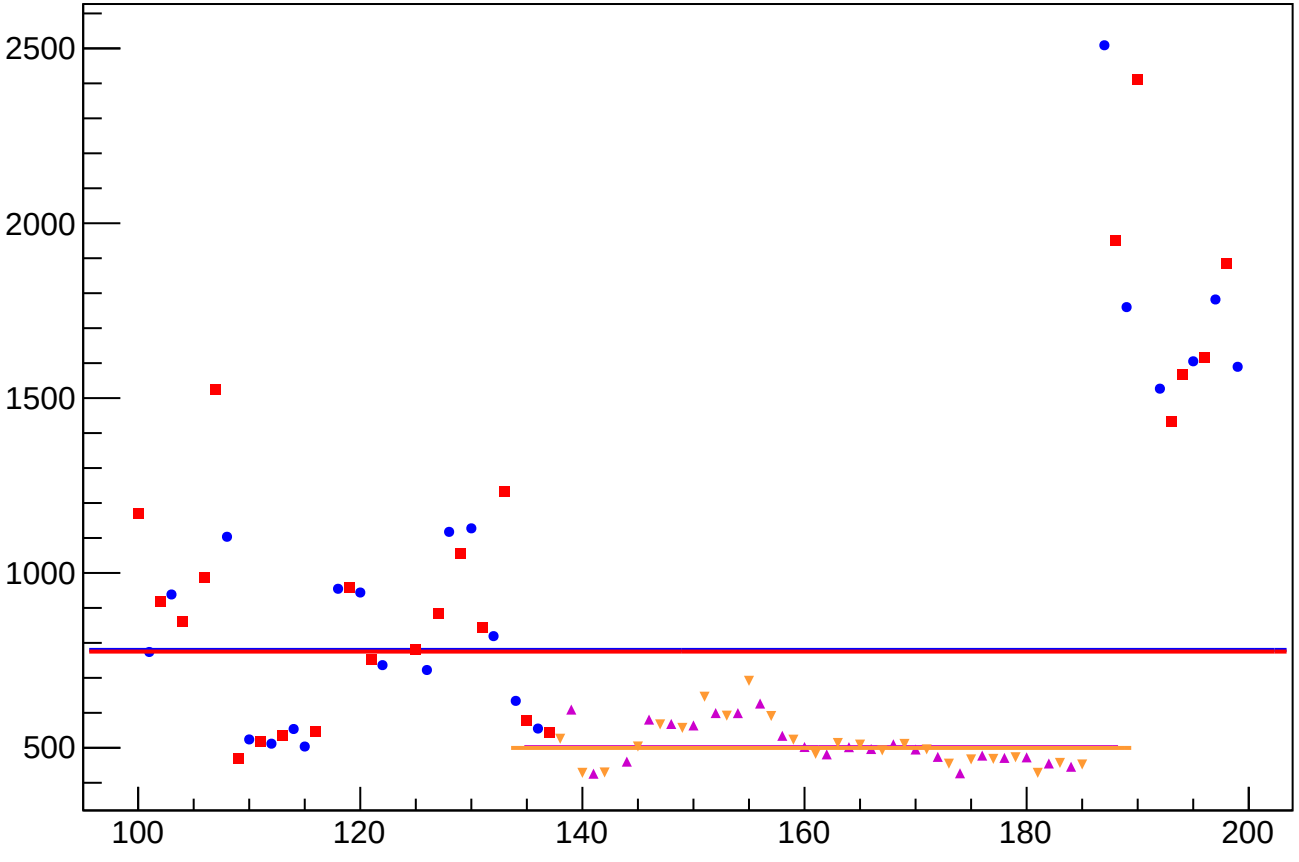
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -479.131+/-106.320 χ^2/NDF: 91.3/45

All: -327.587+/-75.368 χ^2/NDF: 140.8/92

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

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 779.957+/-0.179 χ^2/NDF: 3456397.2/21

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

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

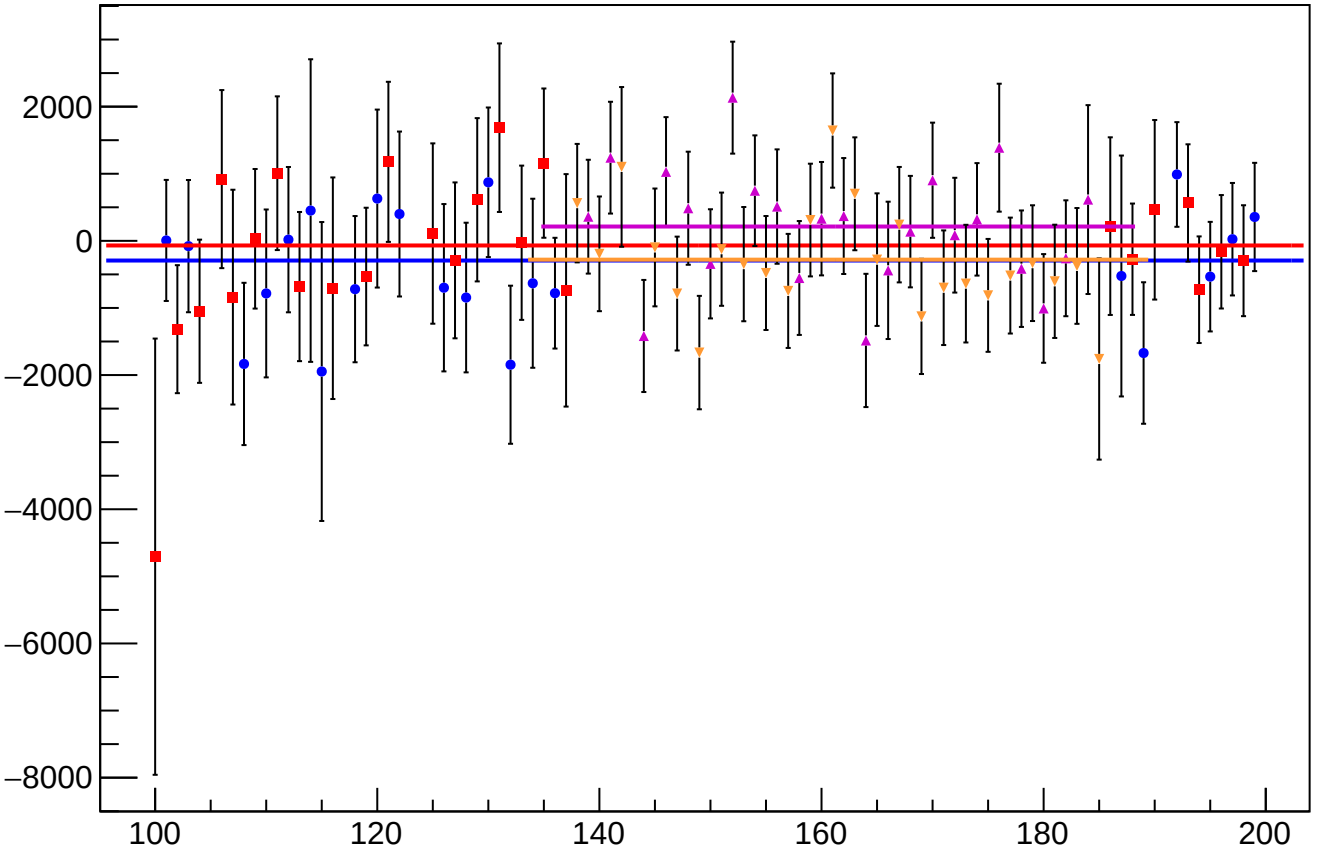
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 548.865+/-0.075 χ^2/NDF: 5984127.4/45

All: 550.382+/-0.053 χ^2/NDF: 12729629.5/92

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

eigen_cor_asym_us_dd_mean vs Slug



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

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

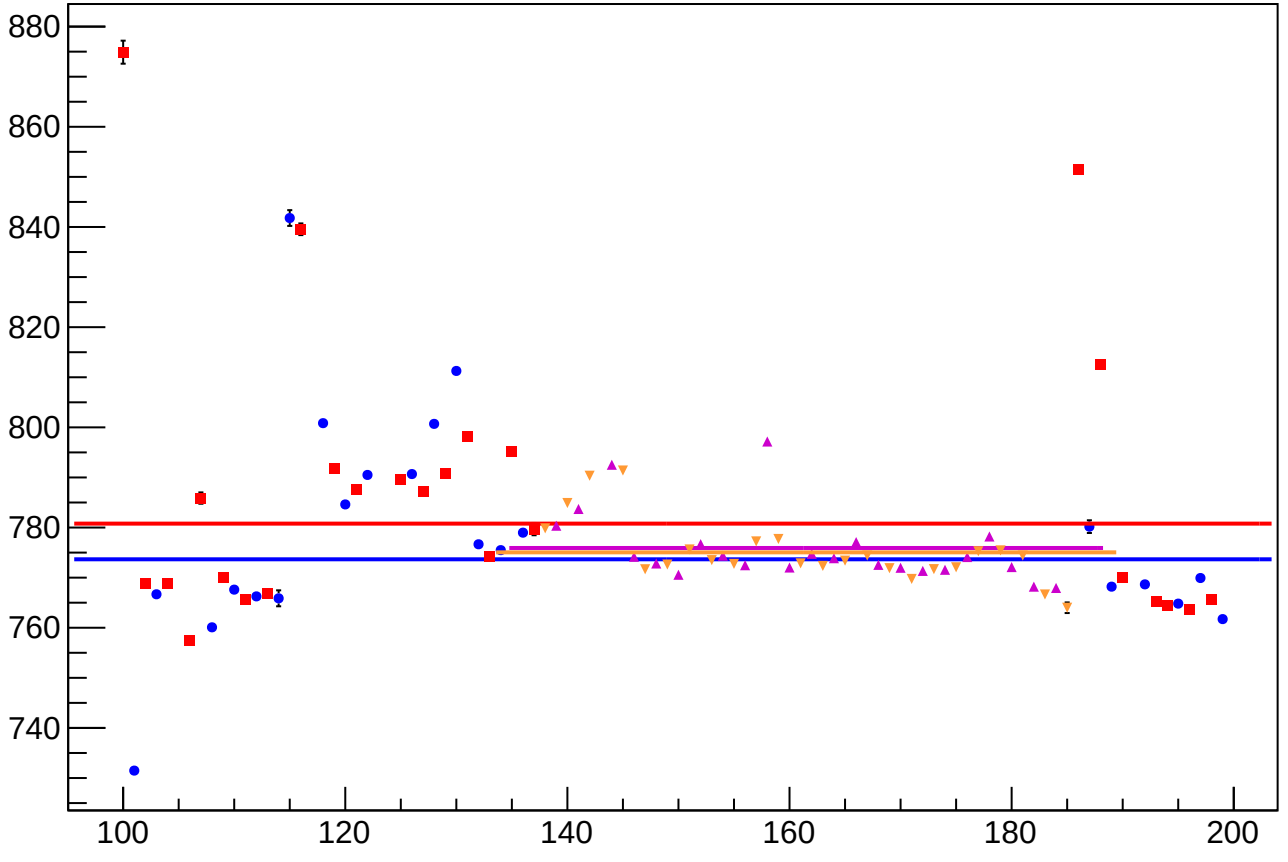
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -285.370+/-141.145 χ^2/NDF: 28.6/45

All: -91.296+/-99.478 χ^2/NDF: 69.0/93

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

eigen_cor_asym_us_dd_rms vs Slug



Right In: 773.663+/-0.161 χ^2/NDF: 13315.9/21

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

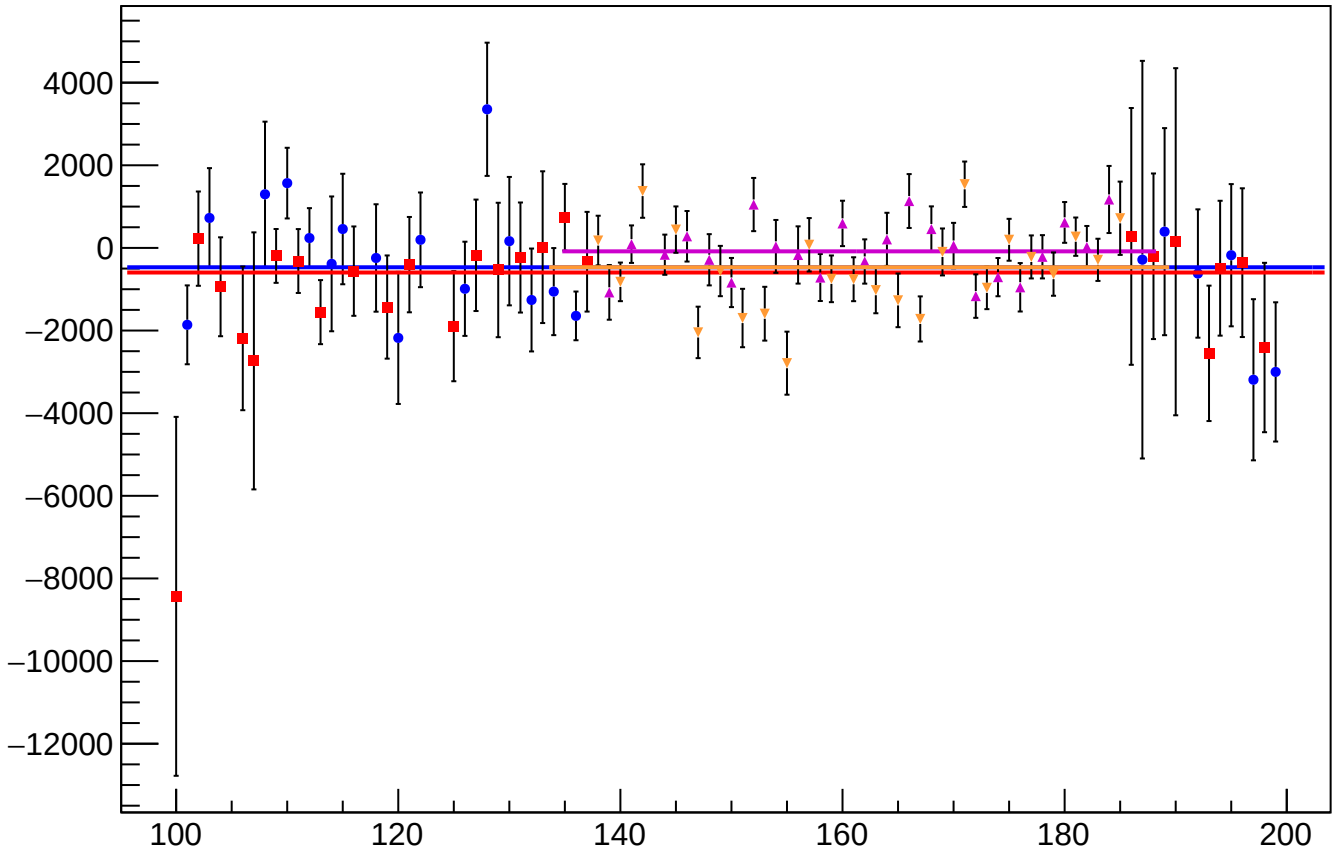
Right Out: 780.784+/-0.157 χ^2/NDF: 19418.3/24

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

+ sign 774.517+/-0.100 χ^2/NDF: 15312.8/45

All: 776.205+/-0.070 χ^2/NDF: 38850.3/93

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



Right In: -468.484+/-252.950 χ^2/NDF: 27.8/21

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

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

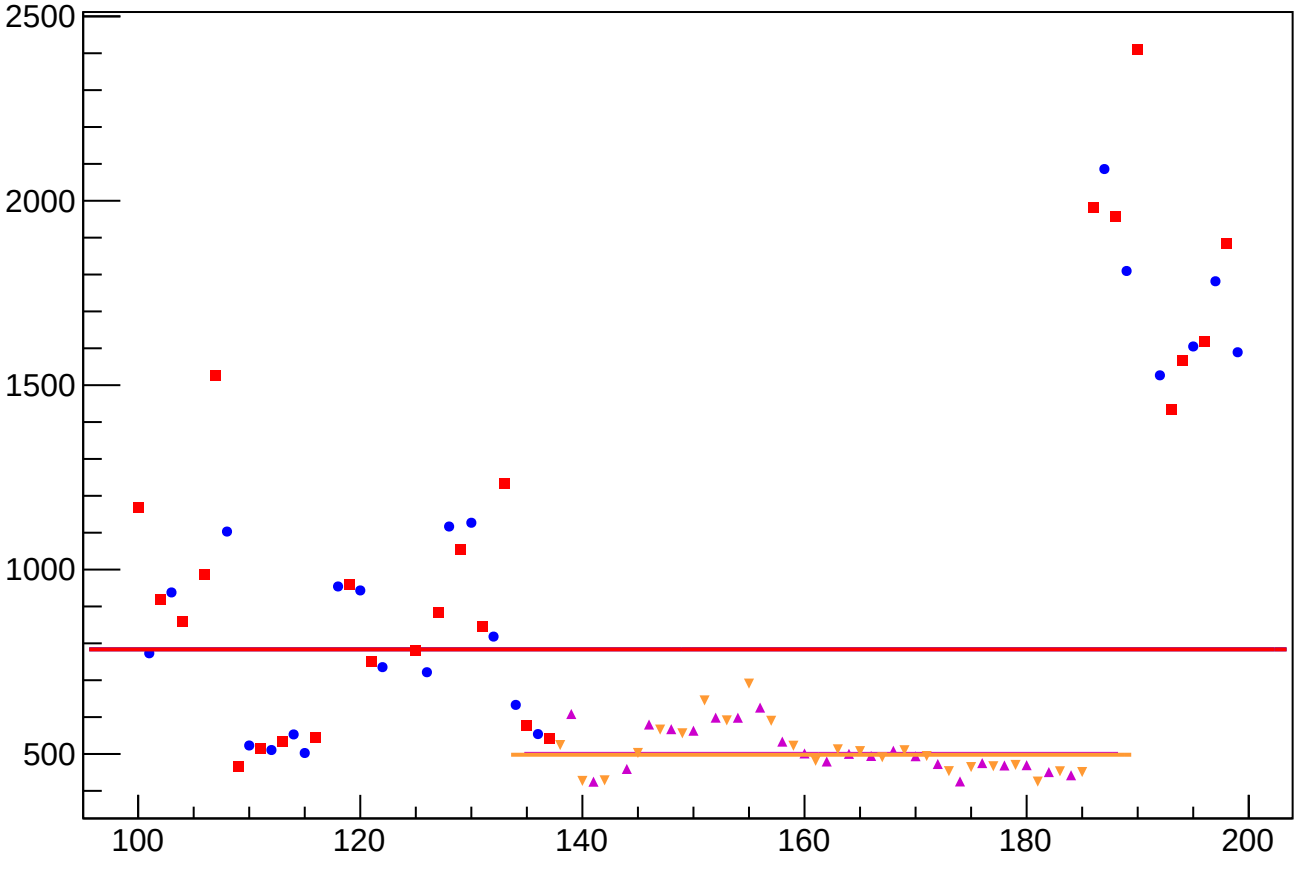
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -467.385+/-105.975 χ^2/NDF: 92.3/45

All: -322.883+/-75.108 χ^2/NDF: 141.7/93

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

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

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

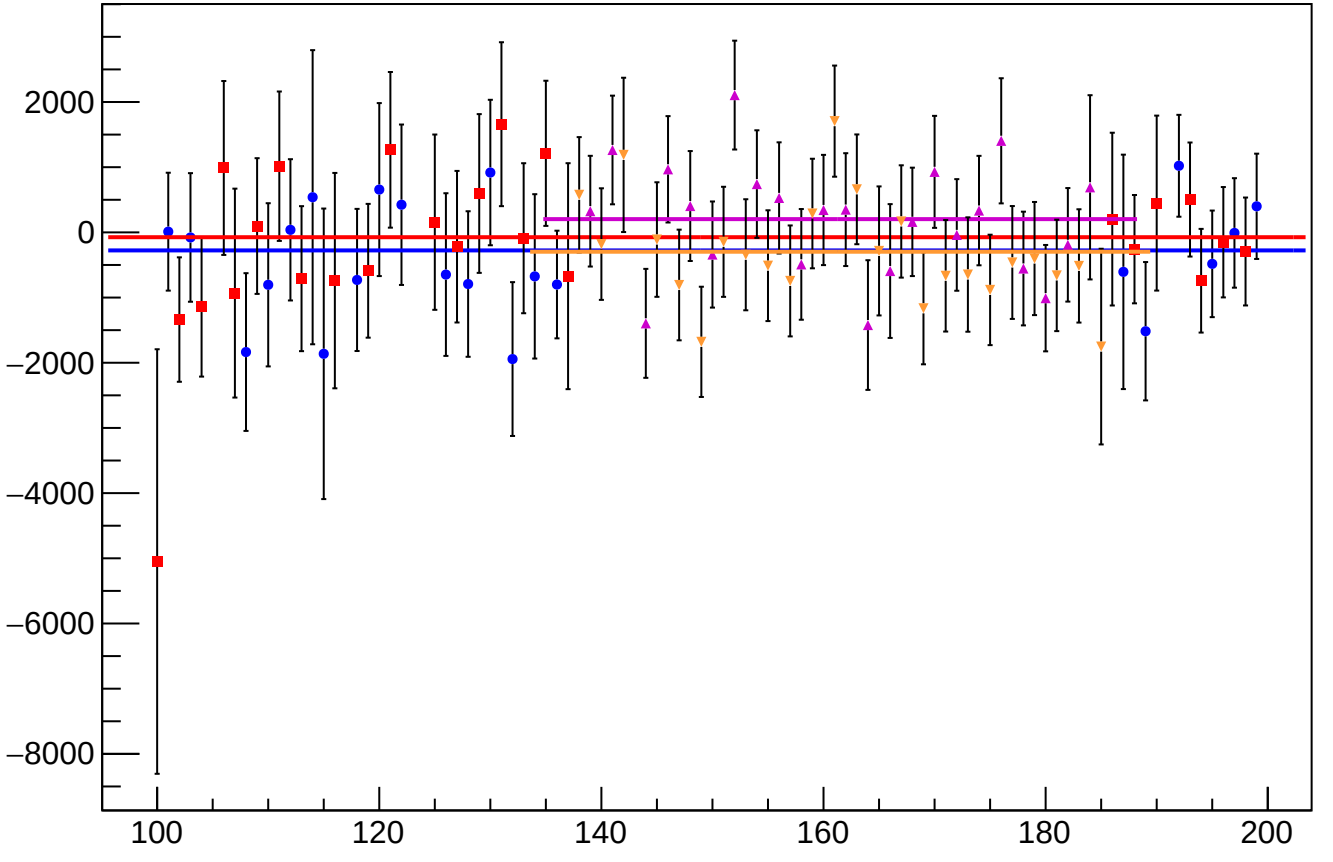
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 548.138+/-0.075 χ^2/NDF: 6299413.1/45

All: 550.174+/-0.053 χ^2/NDF: 13616712.9/93

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

dit_asym_us_dd_mean vs Slug



Right In: -276.655+/-228.007 χ^2/NDF: 12.7/21

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

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

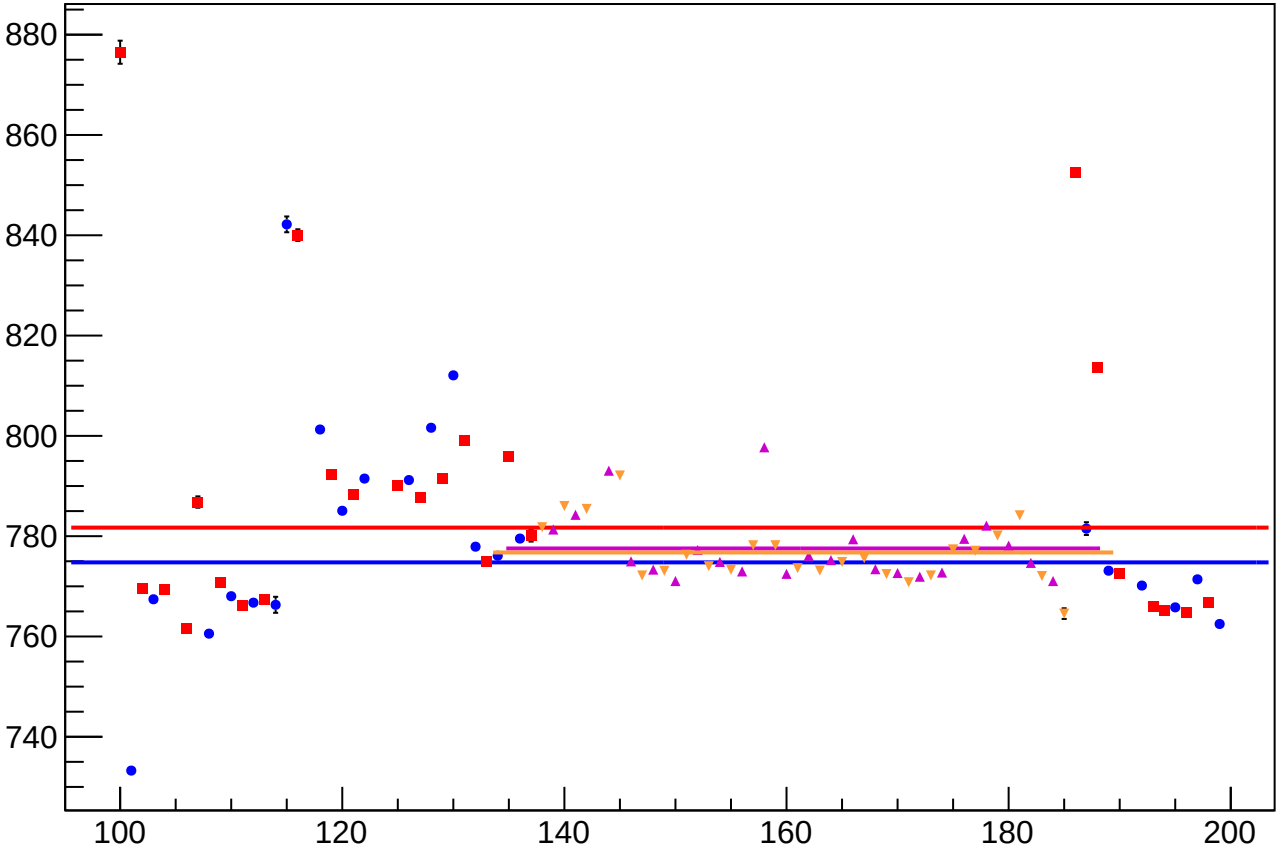
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -289.033+/-141.416 χ^2/NDF: 29.4/45

All: -97.238+/-99.659 χ^2/NDF: 70.2/93

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

dit_asym_us_dd_rms vs Slug



Right In: 774.774+/-0.161 χ^2/NDF: 12958.0/21

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

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

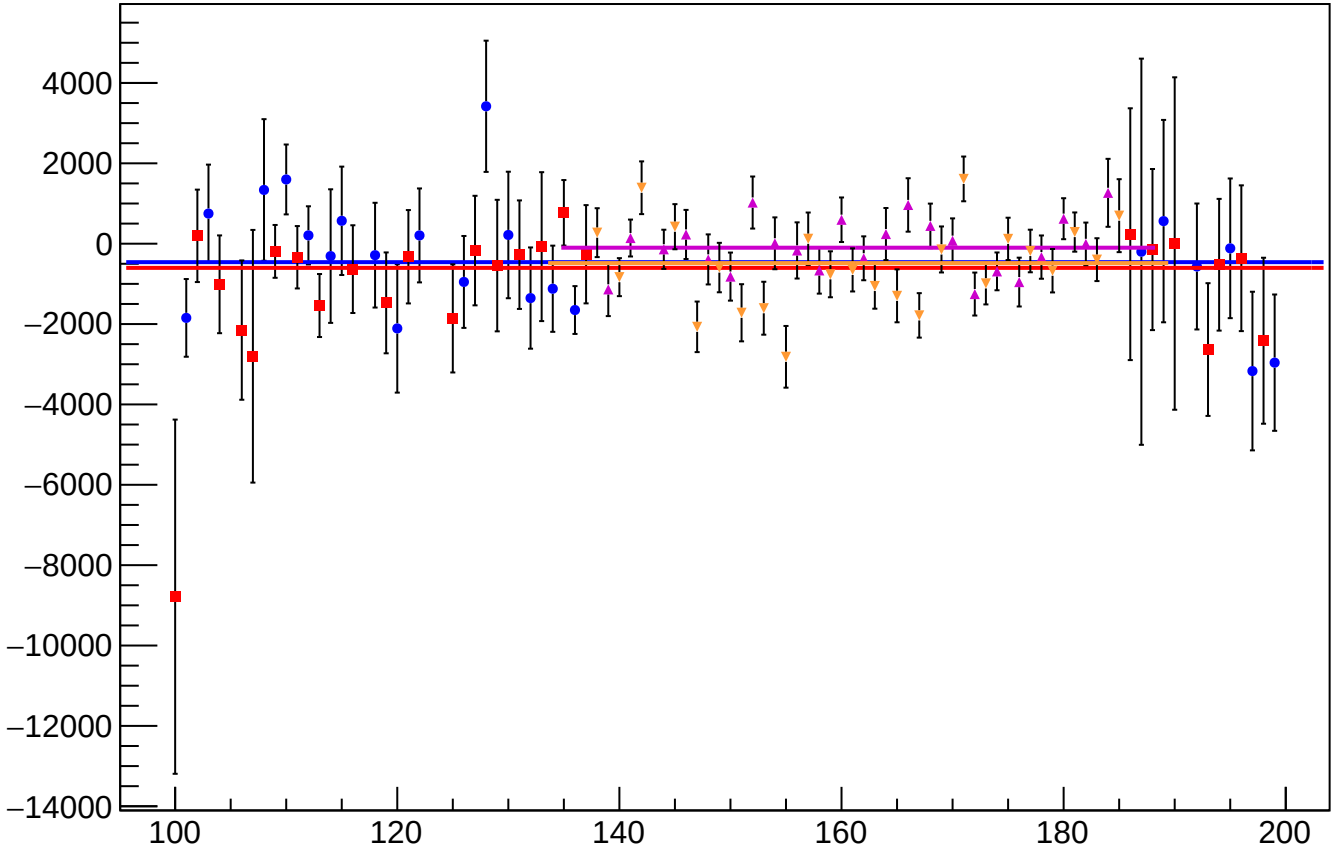
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 775.990+/-0.100 χ^2/NDF: 14876.8/45

All: 777.615+/-0.070 χ^2/NDF: 37784.8/93

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

asym_us_dd_dit_correction_mean vs Slug



Right In: -459.845+/-255.400 χ^2/NDF: 27.7/21

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

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

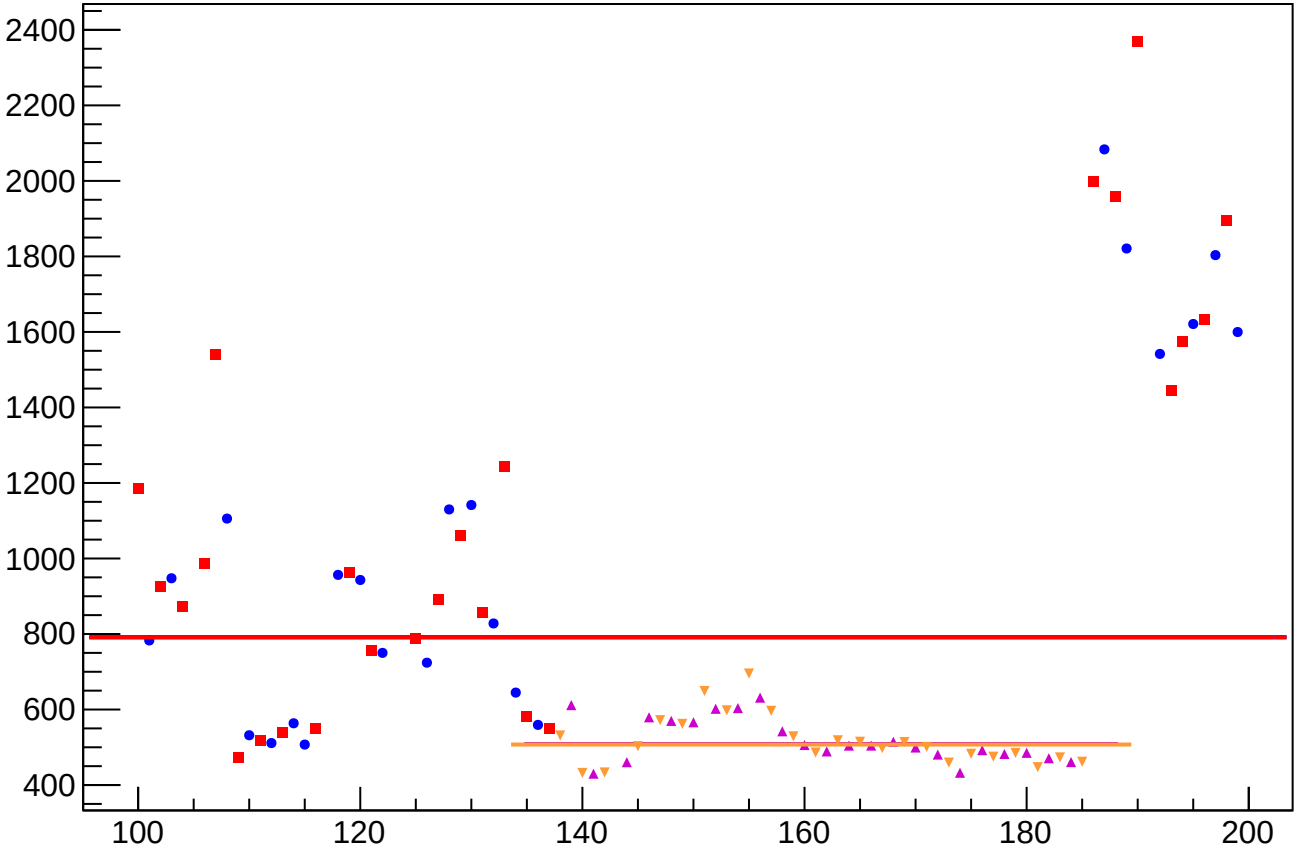
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -478.787+/-107.721 χ^2/NDF: 92.8/45

All: -336.284+/-76.272 χ^2/NDF: 141.3/93

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

asym_us_dd_dit_correction_rms vs Slug



Right In: 791.628+/-0.181 χ^2/NDF: 3661776.0/21

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

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

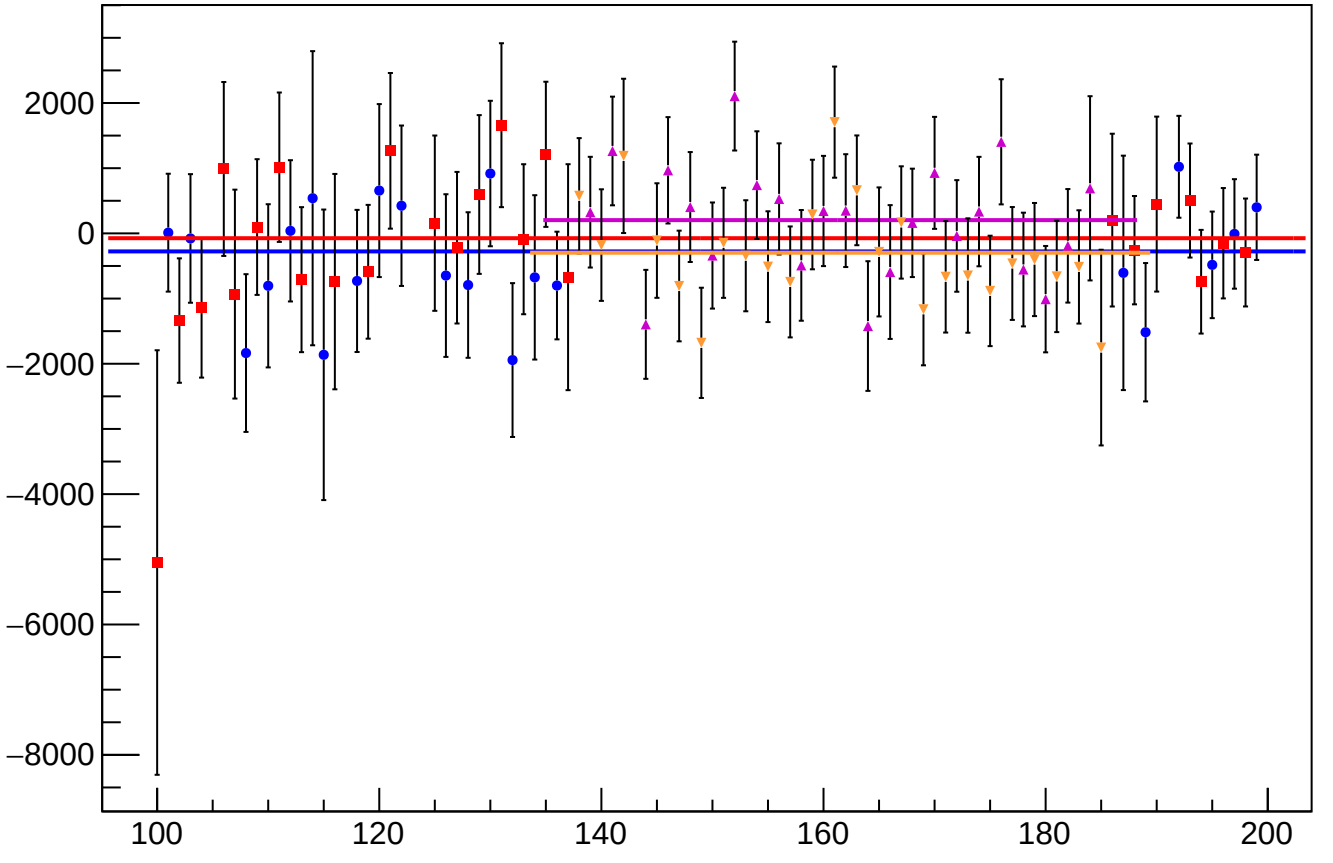
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

+ sign 557.896+/-0.076 χ^2/NDF: 6173262.8/45

All: 559.443+/-0.054 χ^2/NDF: 13361743.5/93

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

eigen_dit_asym_us_dd_mean vs Slug



Right In: -276.655+/-228.007 χ^2/NDF: 12.7/21

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

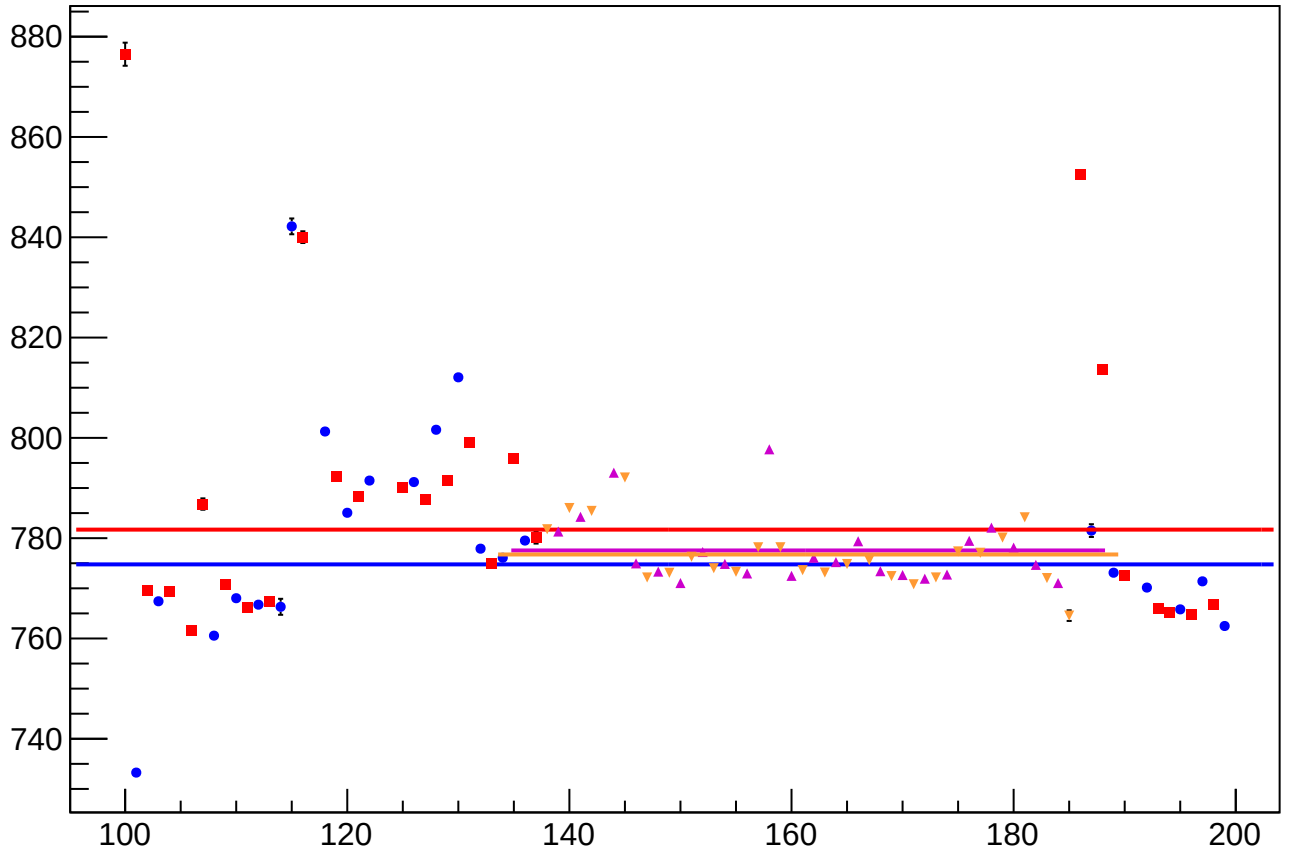
Right Out: -74.086+/-221.725 χ^2/NDF: 14.1/24

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

+ sign -289.033+/-141.416 χ^2/NDF: 29.4/45

All: -97.238+/-99.659 χ^2/NDF: 70.2/93

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



Right In: 774.774+/-0.161 χ^2/NDF: 12958.0/21

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

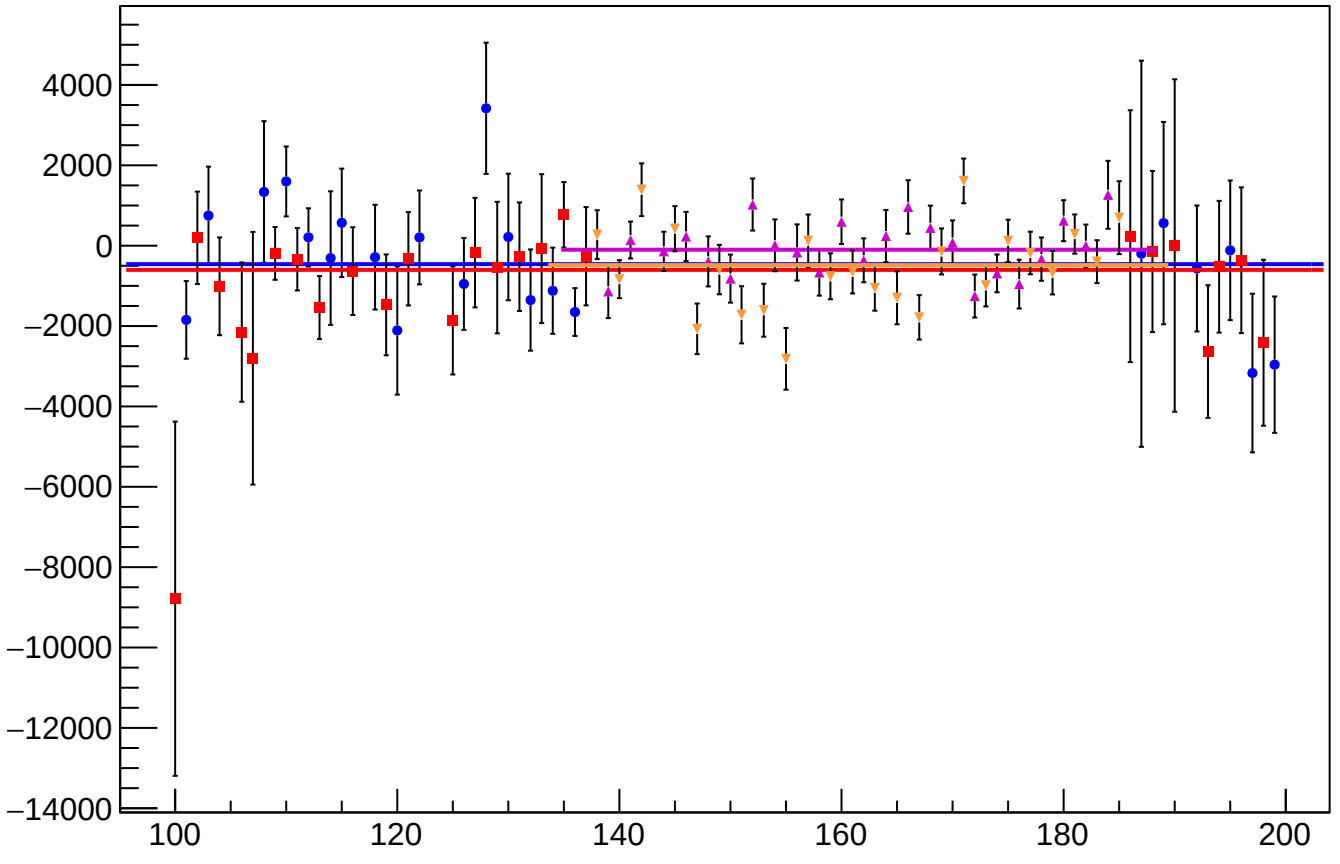
Right Out: 781.707+/-0.157 χ^2/NDF: 19211.8/24

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

+ sign 775.990+/-0.100 χ^2/NDF: 14876.8/45

All: 777.615+/-0.070 χ^2/NDF: 37784.8/93

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



Right In: -459.840+/-255.398 χ^2/NDF: 27.7/21

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

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

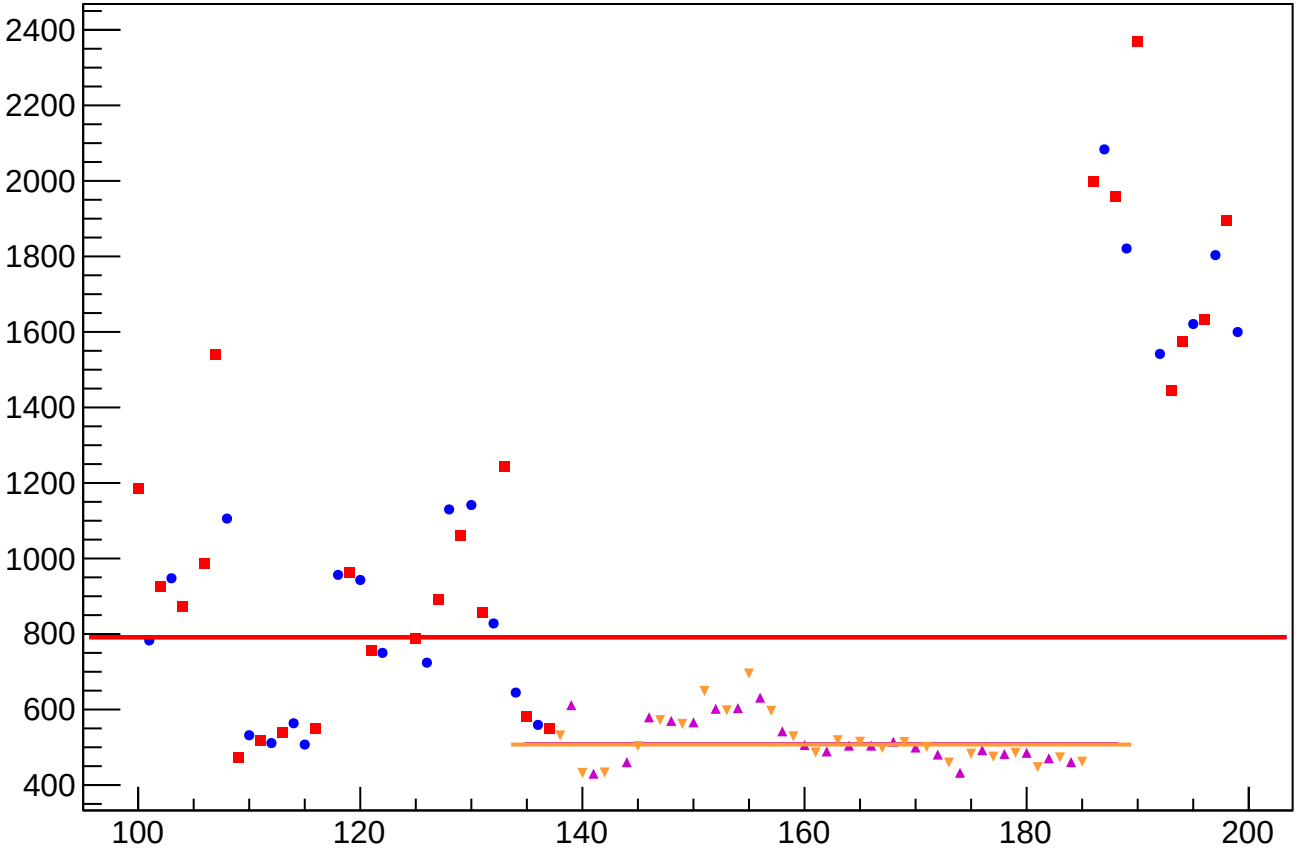
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -478.786+/-107.721 χ^2/NDF: 92.8/45

All: -336.283+/-76.272 χ^2/NDF: 141.3/93

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

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 791.624+/-0.181 χ^2/NDF: 3661807.7/21

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

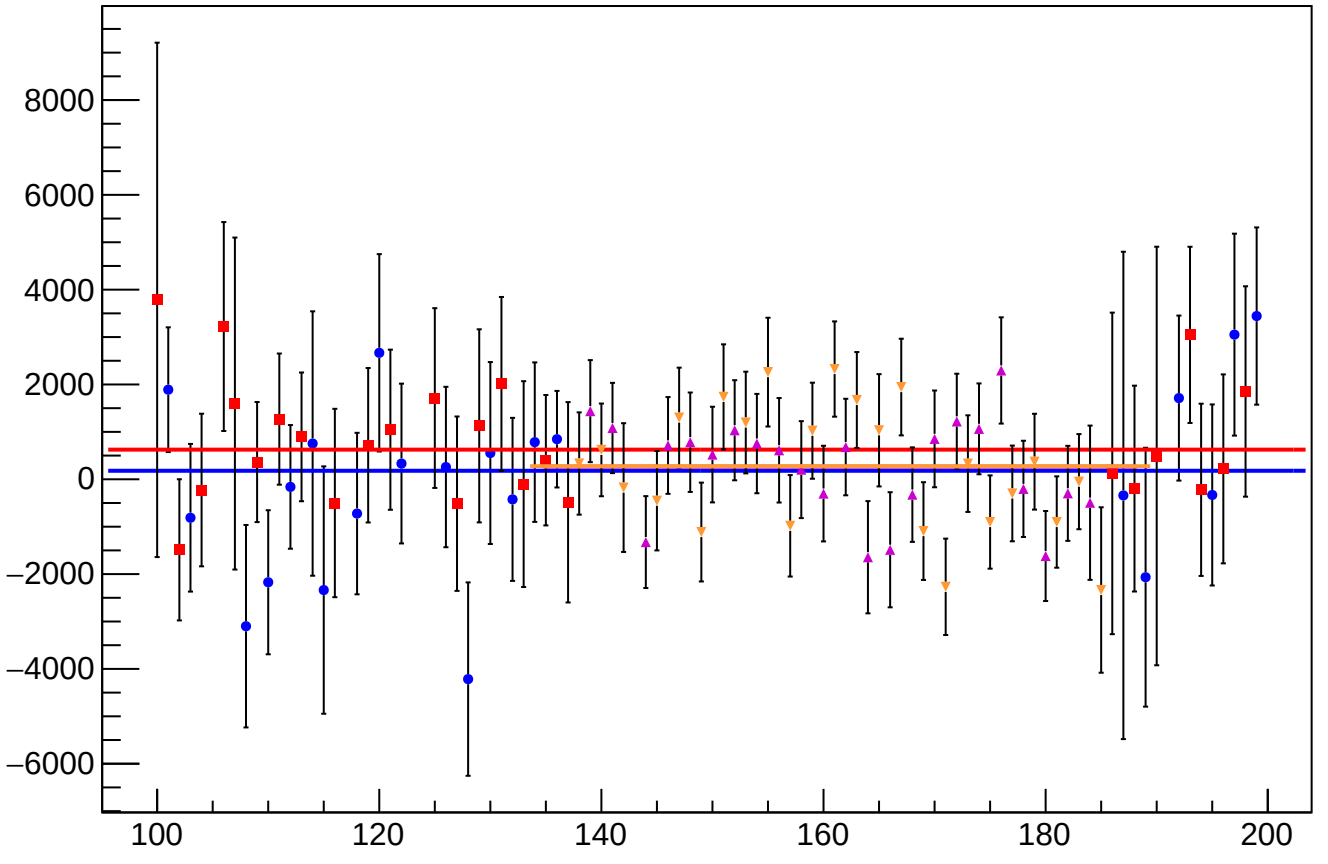
Right Out: 790.962+/-0.177 χ^2/NDF: 4690983.4/24

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

+ sign 557.895+/-0.076 χ^2/NDF: 6173258.7/45

All: 559.443+/-0.054 χ^2/NDF: 13361751.0/93

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



Right In: 179.690+/-371.826 χ^2/NDF: 21.4/21

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

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

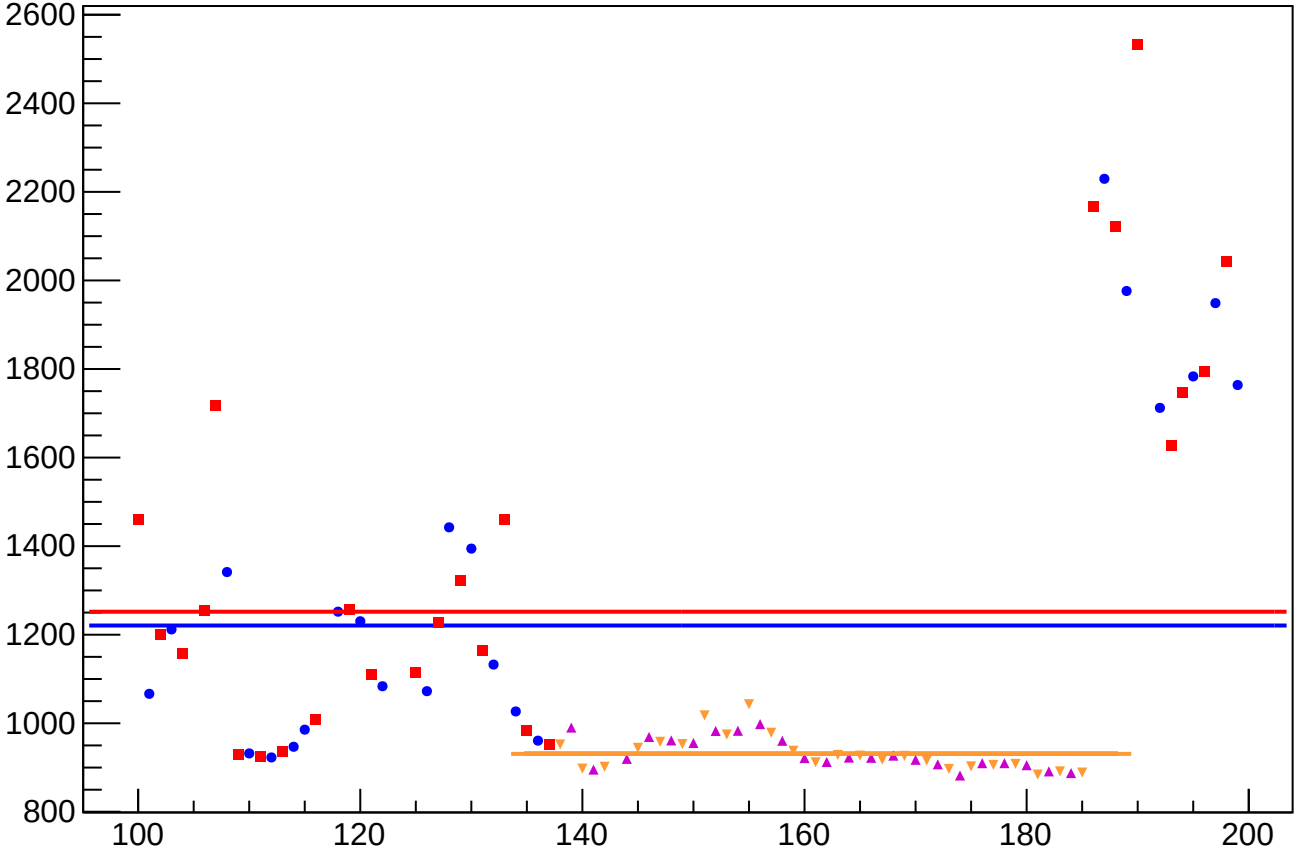
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 251.039+/-186.960 χ^2/NDF: 55.0/45

All: 304.911+/-132.437 χ^2/NDF: 86.3/93

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

asym_us_dd_rms vs Slug



Right In: 1220.772+/-0.263 χ^2/NDF: 1443226.3/21

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

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

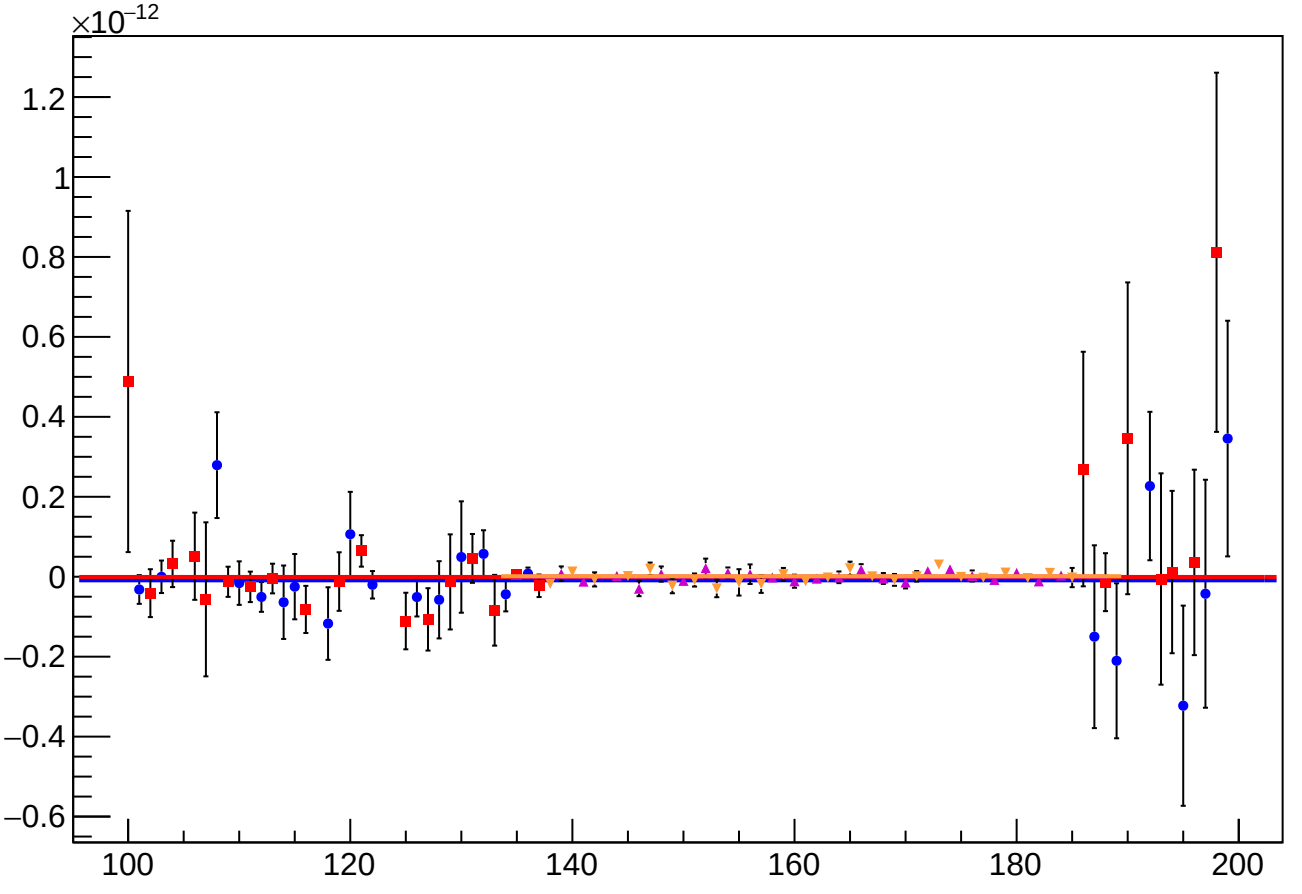
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1004.203+/-0.132 χ^2/NDF: 2413248.8/45

All: 1009.044+/-0.094 χ^2/NDF: 5439981.8/93

- 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: 19.9/21

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

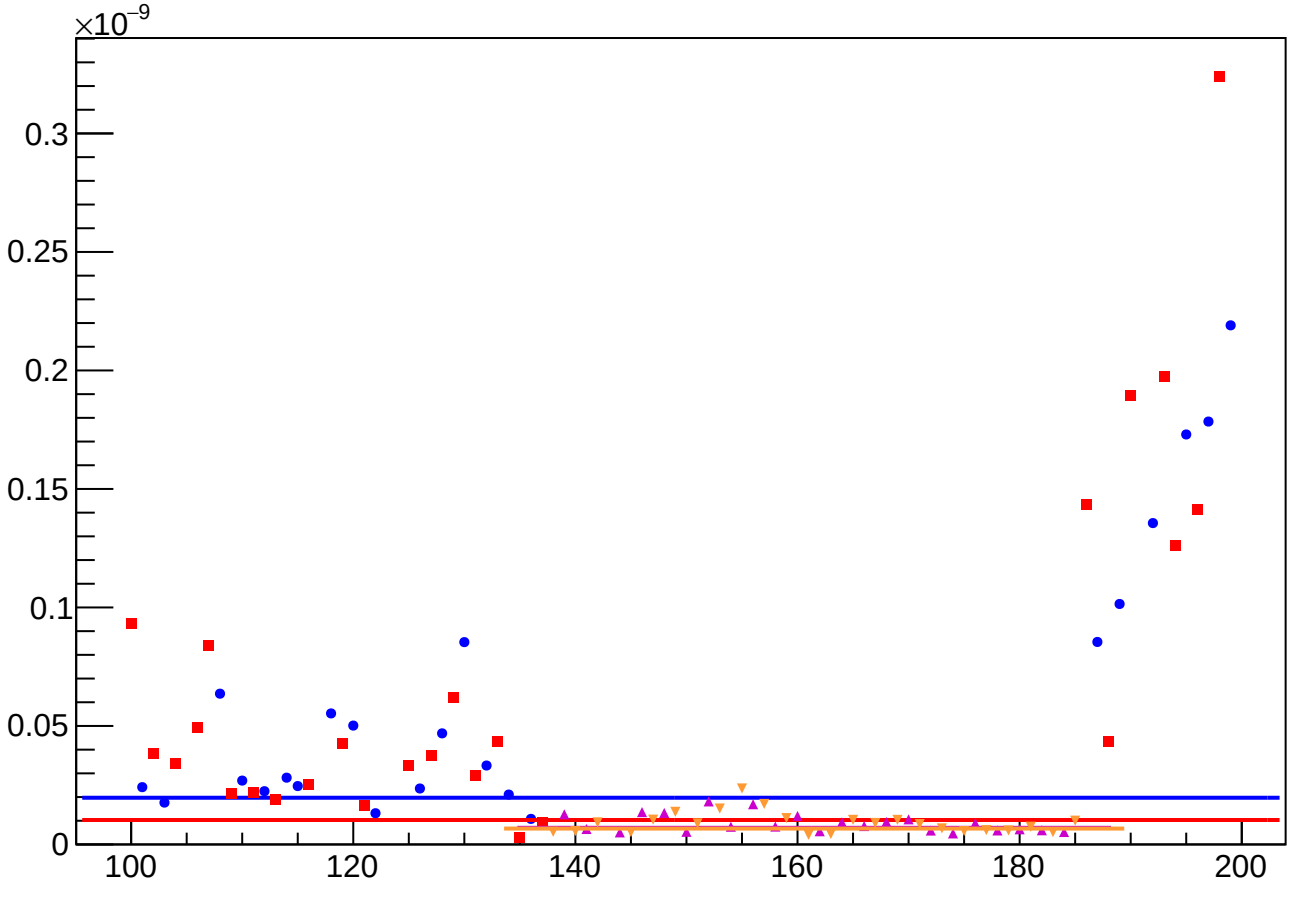
Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/24

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

+ sign 0.000+/-0.000 χ^2/NDF: 46.6/45

All: 0.000+/-0.000 χ^2/NDF: 88.0/93

- sign 0.000+/-0.000 χ^2/NDF: 41.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 5864352.7/21

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

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

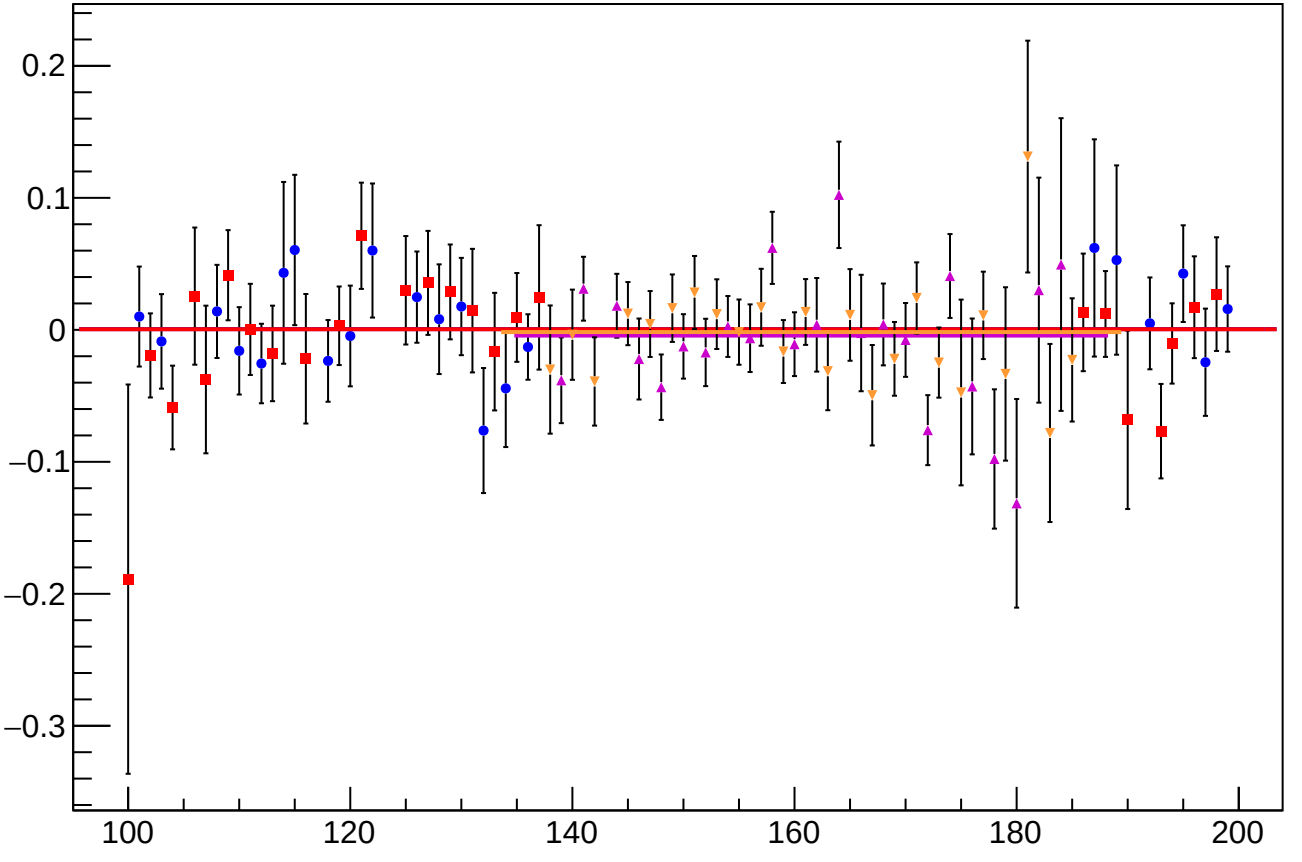
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11905323.3/45

All: 0.000+/-0.000 χ^2/NDF: 24416591.9/93

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

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

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

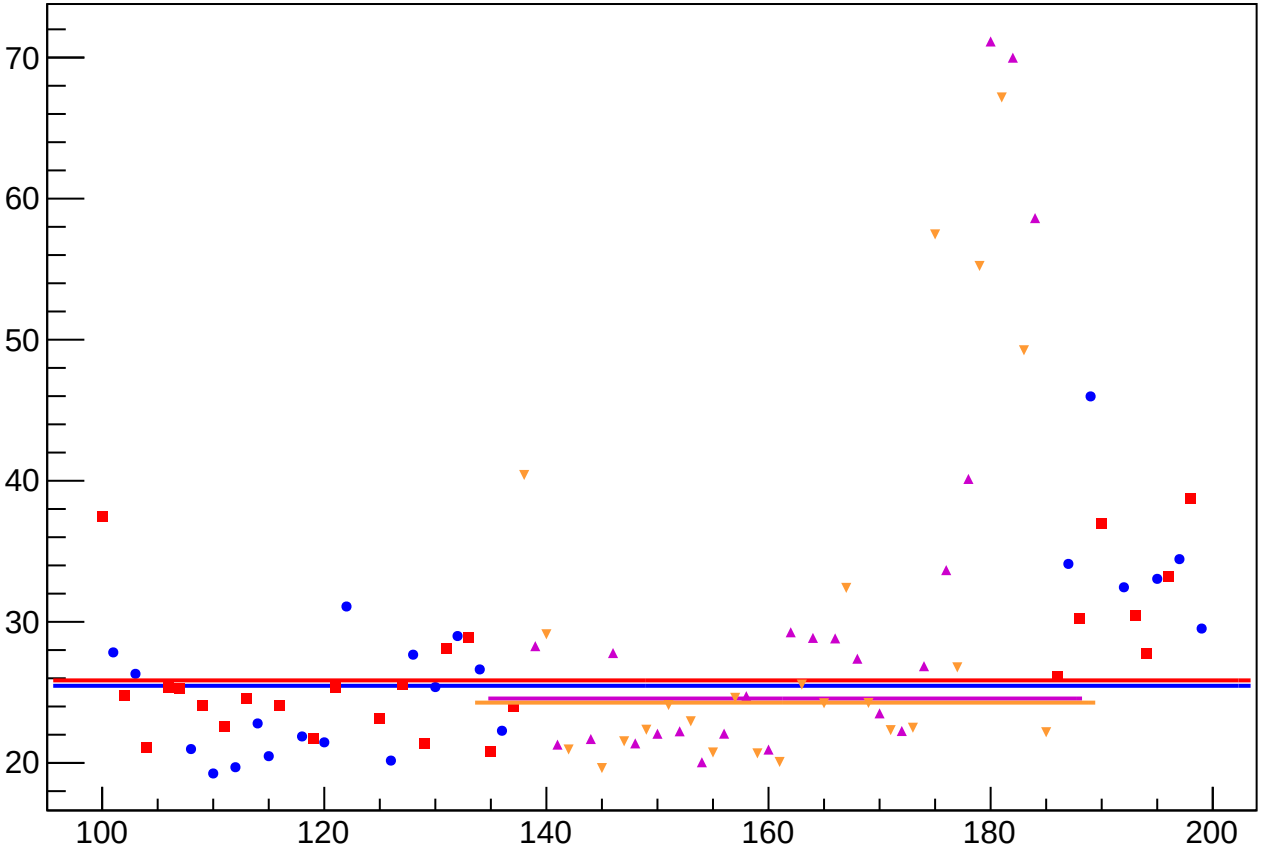
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/45

All: -0.002+/-0.004 χ^2/NDF: 84.2/93

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

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.467+/-0.006 χ^2/NDF: 856143.6/21

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

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

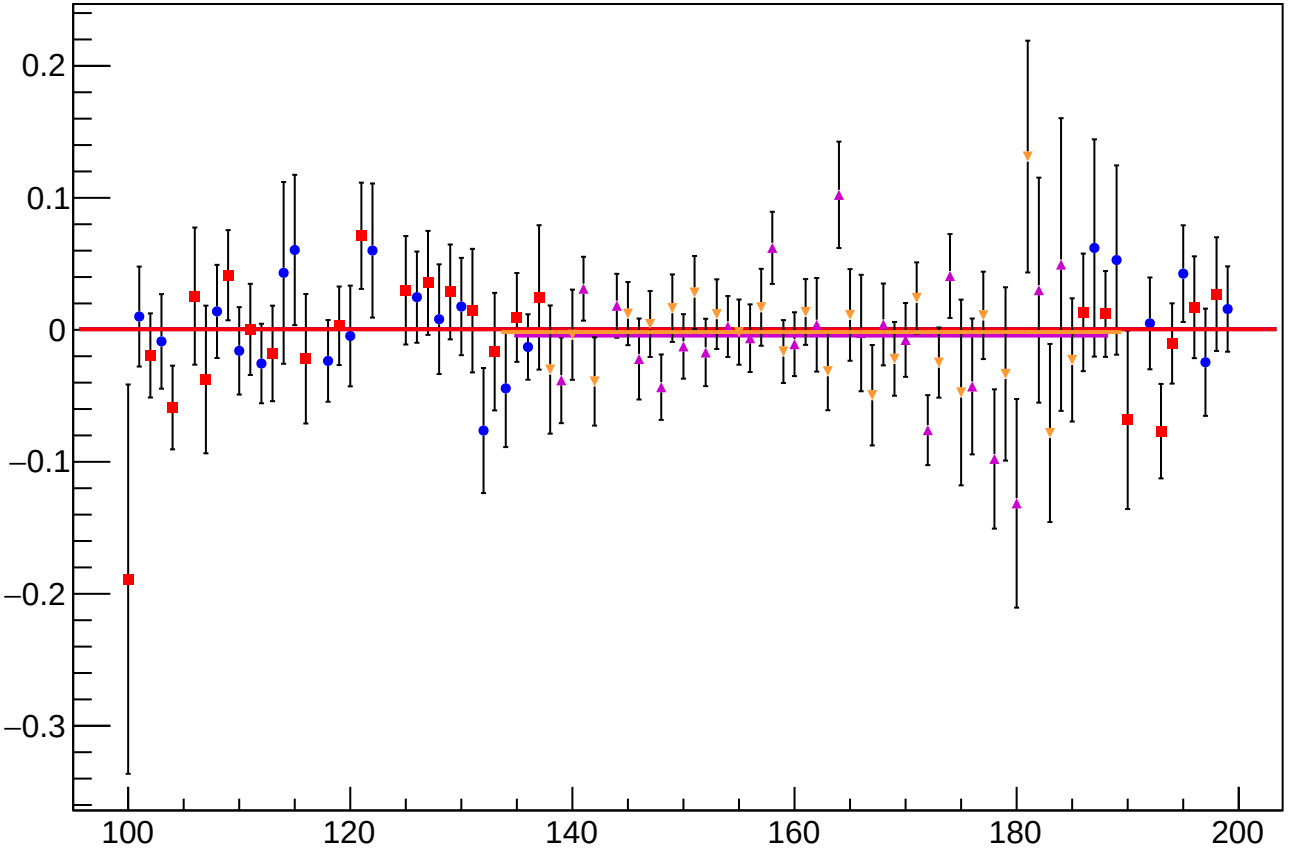
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.726+/-0.004 χ^2/NDF: 3193604.4/45

All: 24.904+/-0.002 χ^2/NDF: 5977504.4/93

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

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

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

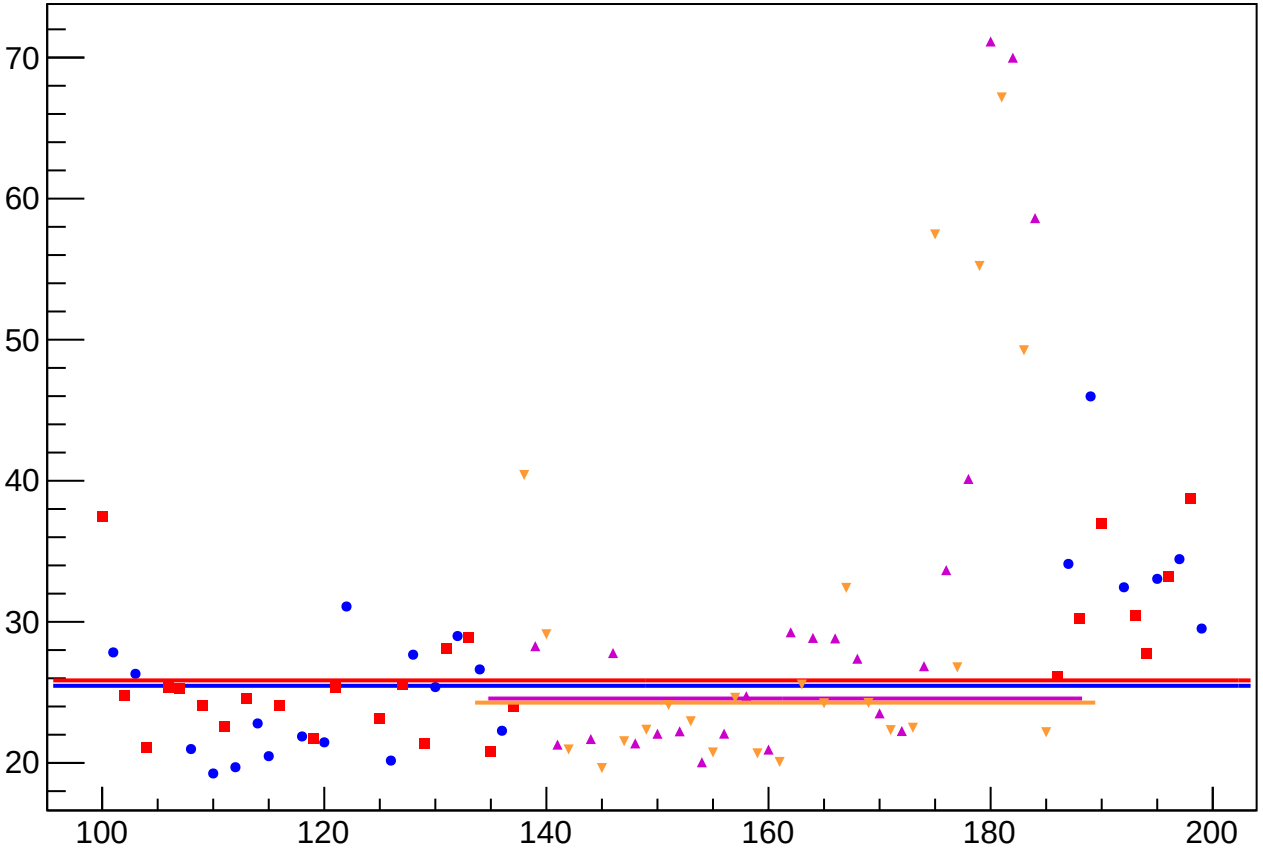
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/45

All: -0.002+/-0.004 χ^2/NDF: 84.2/93

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

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.467+/-0.006 χ^2/NDF: 856143.6/21

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

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

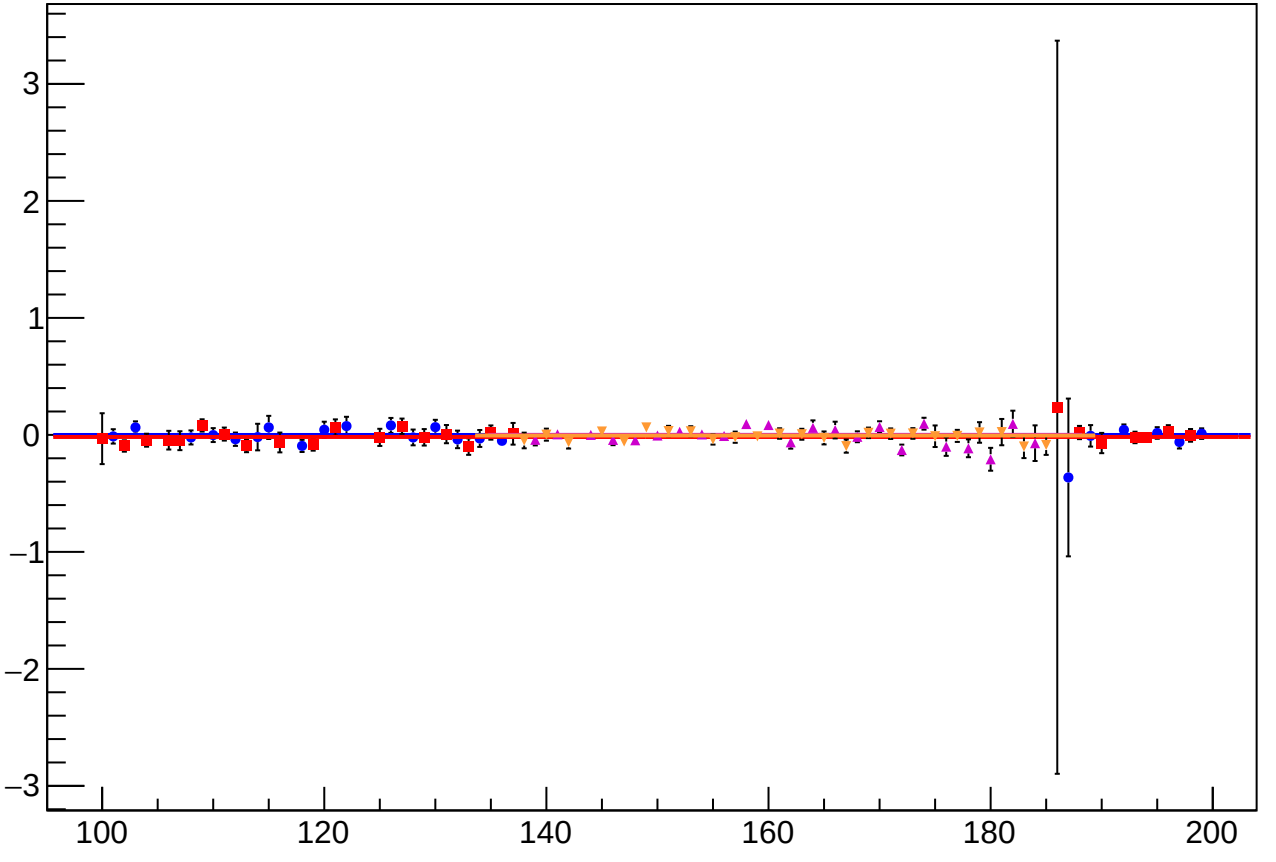
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.726+/-0.004 χ^2/NDF: 3193604.4/45

All: 24.904+/-0.002 χ^2/NDF: 5977504.4/93

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

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.001+/-0.013 χ^2/NDF: 14.2/21

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

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

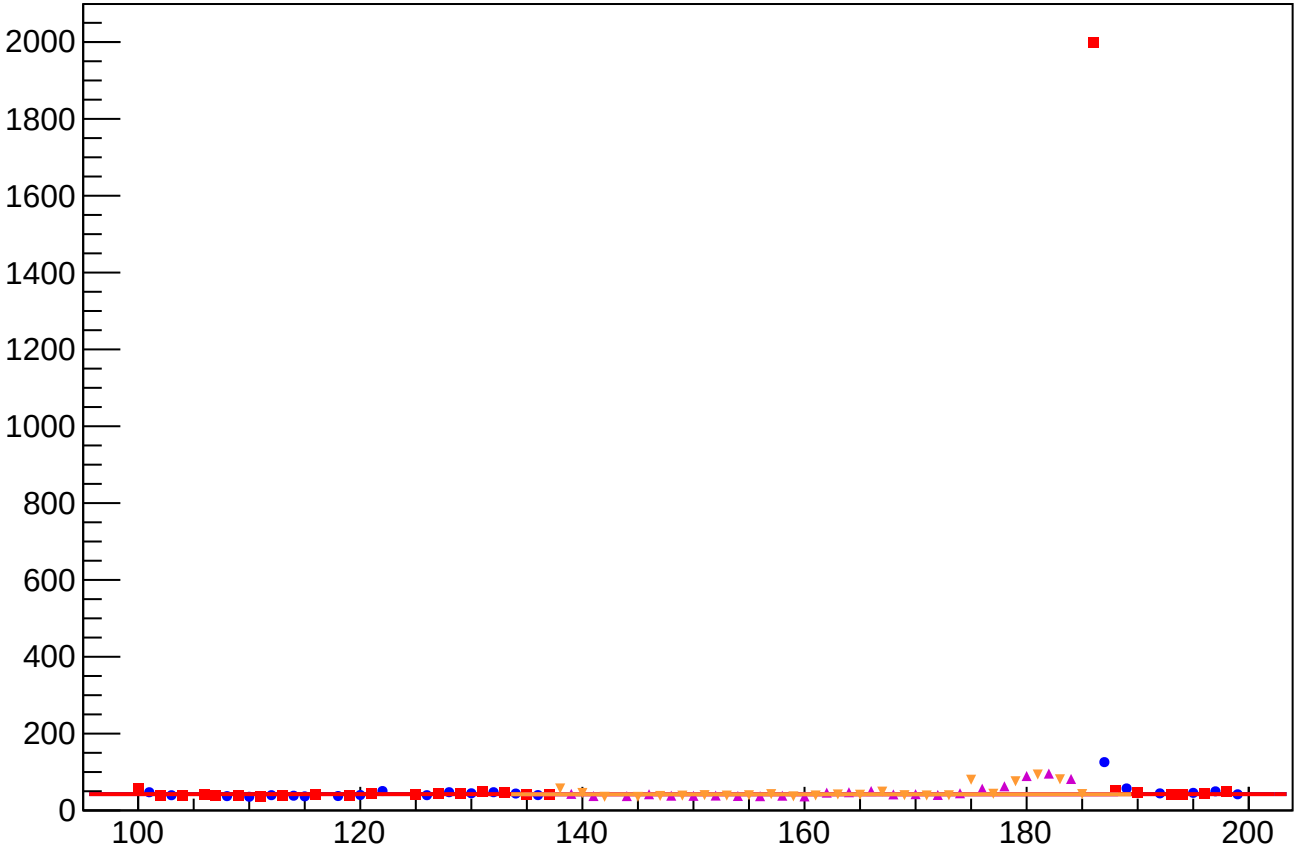
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.008 χ^2/NDF: 28.1/45

All: -0.005+/-0.006 χ^2/NDF: 84.7/93

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

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.709+/-0.009 χ^2/NDF: 276437.7/21

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

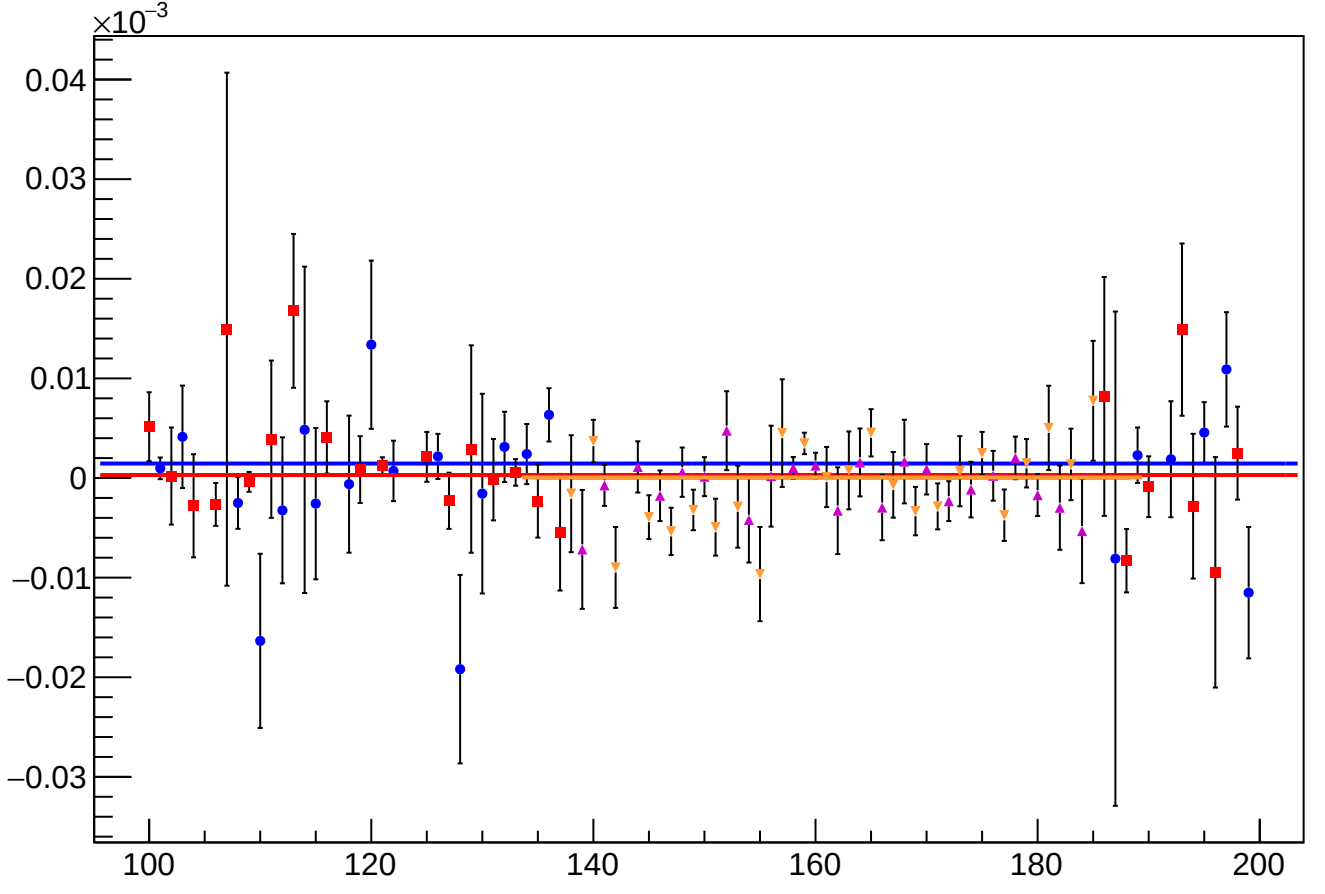
Right Out: 42.470+/-0.009 χ^2/NDF: 991880.1/24

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

+ sign 42.329+/-0.006 χ^2/NDF: 1995247.6/45

All: 42.282+/-0.004 χ^2/NDF: 4531913.4/93

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



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/21

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

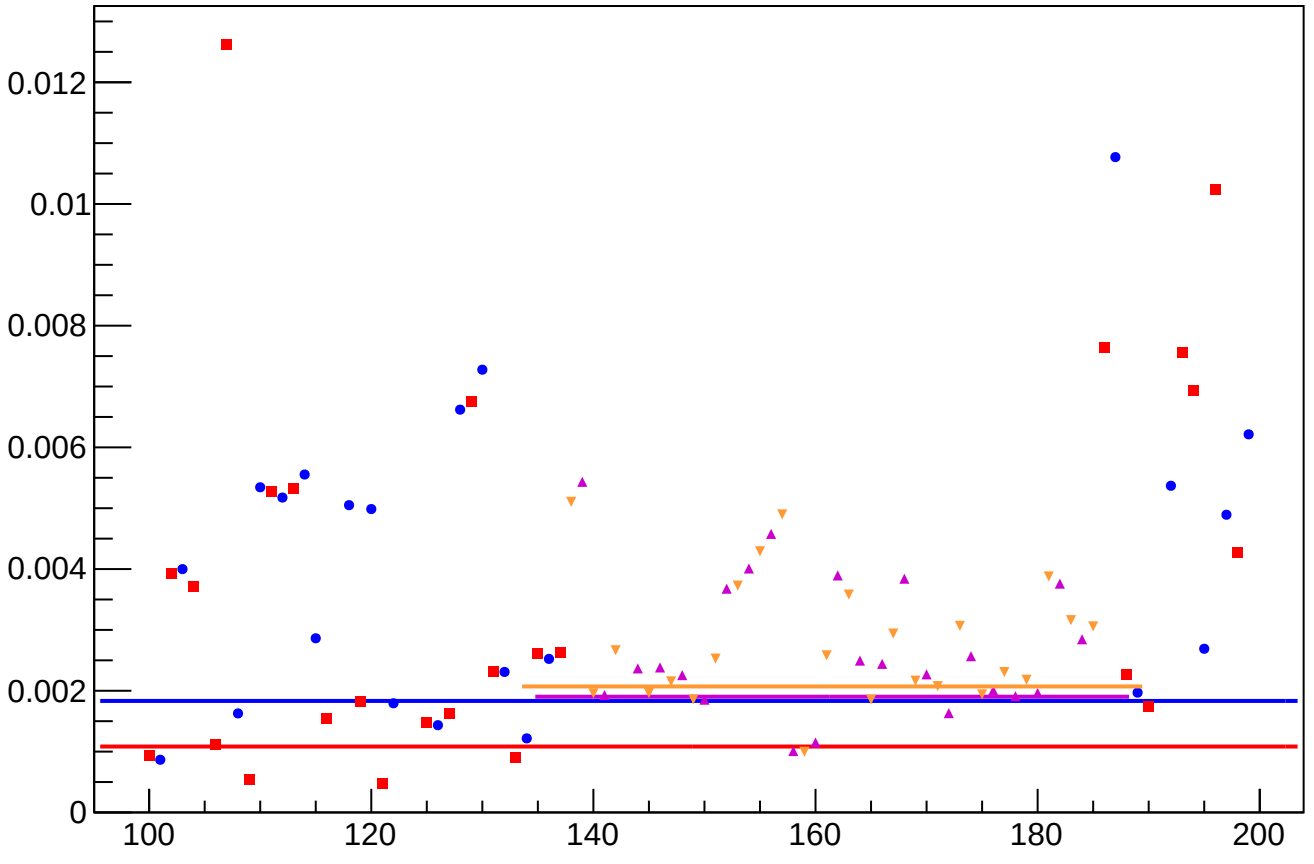
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/24

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

+ sign 0.000+/-0.000 χ^2/NDF: 80.5/45

All: 0.000+/-0.000 χ^2/NDF: 121.1/93

- sign 0.000+/-0.000 χ^2/NDF: 40.1/47



Right In: 0.002+/-0.000 χ^2/NDF: 7574696.8/21

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

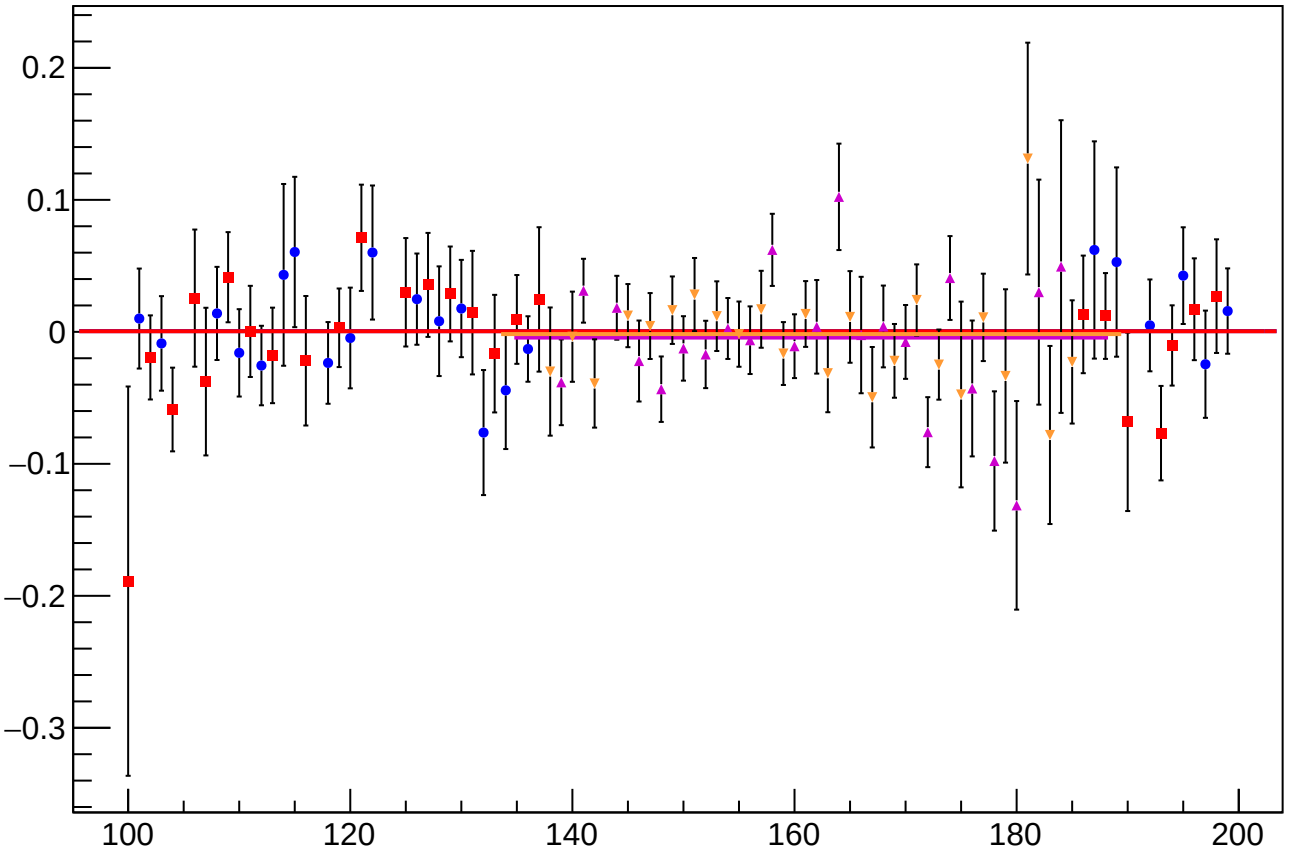
Right Out: 0.001+/-0.000 χ^2/NDF: 11561974.1/24

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

+ sign 0.002+/-0.000 χ^2/NDF: 12988678.4/45

All: 0.002+/-0.000 χ^2/NDF: 35044544.4/93

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



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

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

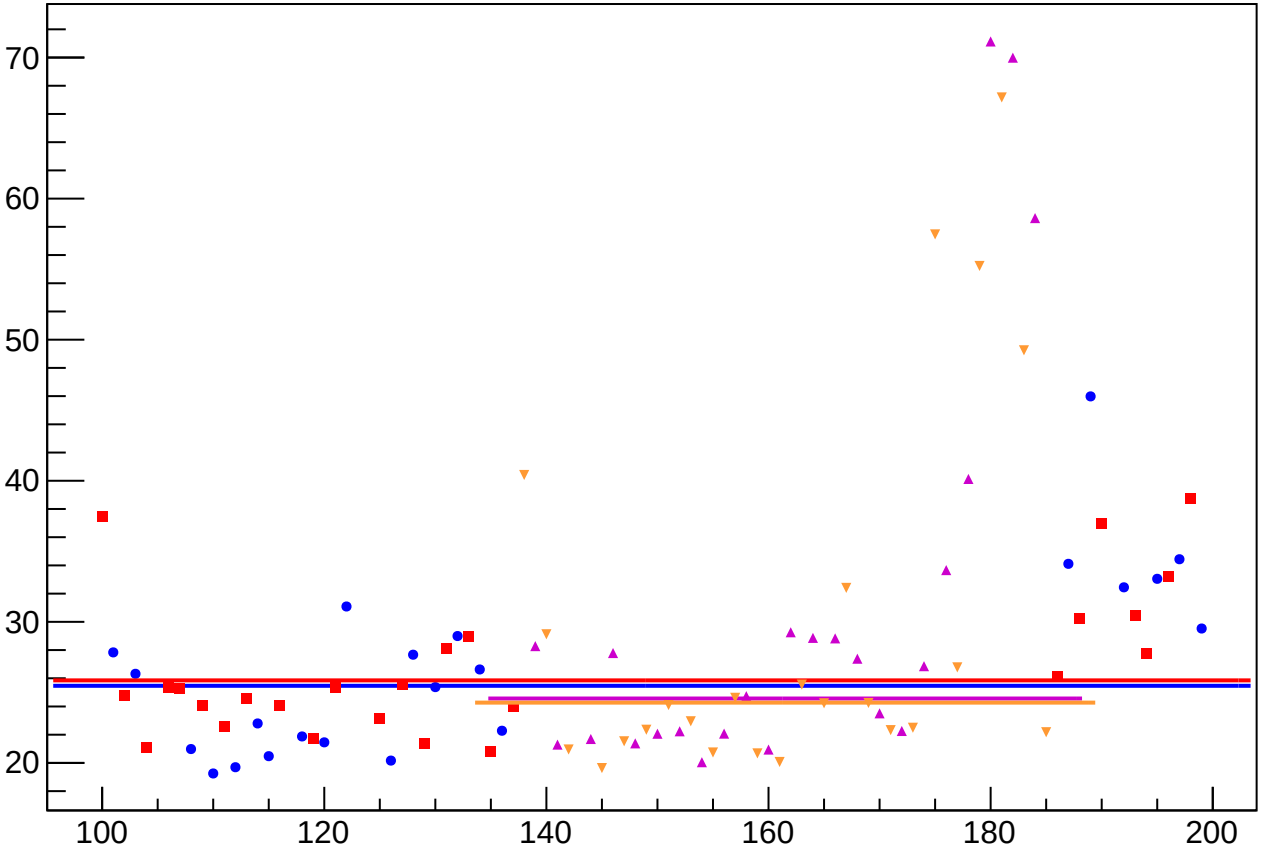
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/45

All: -0.002+/-0.004 χ^2/NDF: 84.2/93

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

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.467+/-0.006 χ^2/NDF: 856095.0/21

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

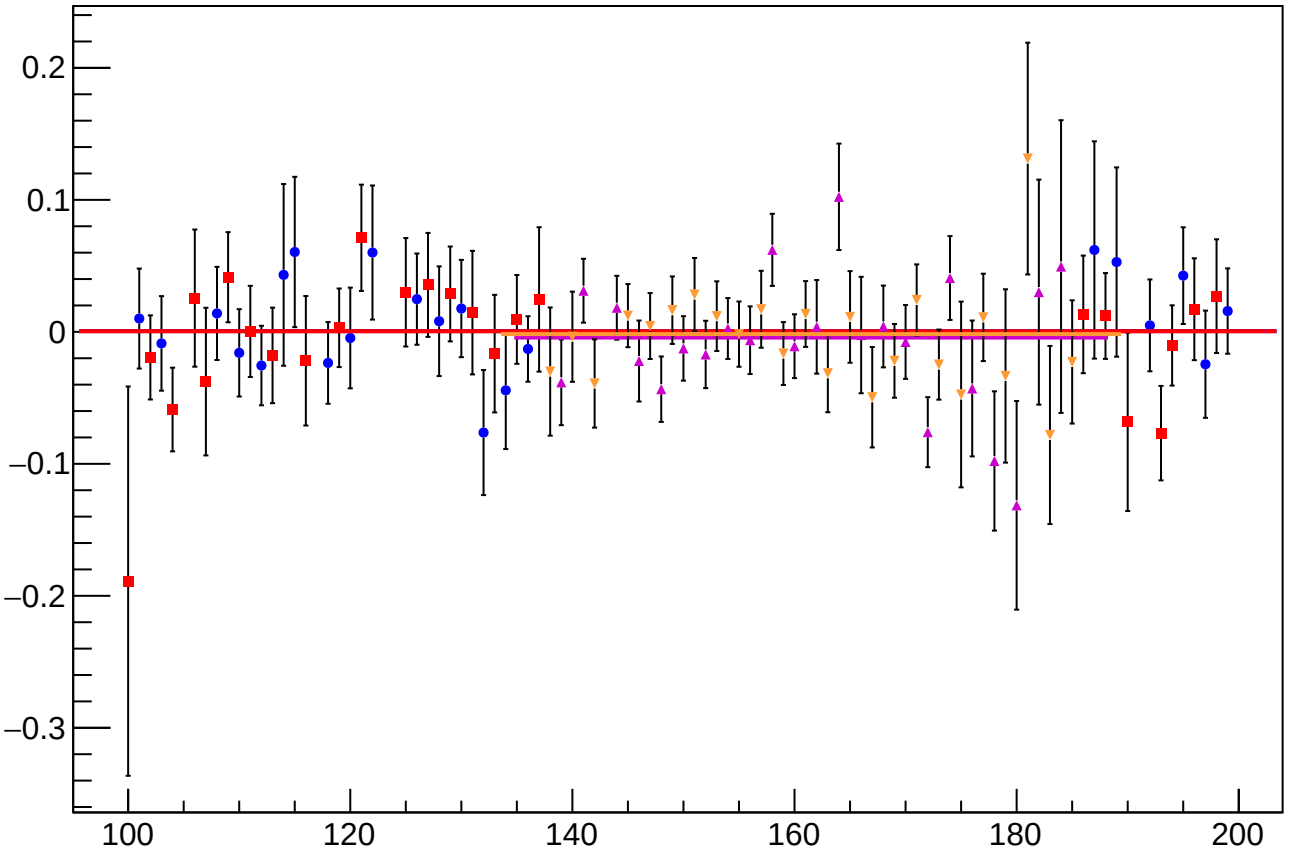
Right Out: 25.851+/-0.006 χ^2/NDF: 613555.7/24

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

+ sign 24.726+/-0.004 χ^2/NDF: 3193527.5/45

All: 24.904+/-0.002 χ^2/NDF: 5977219.5/93

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



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

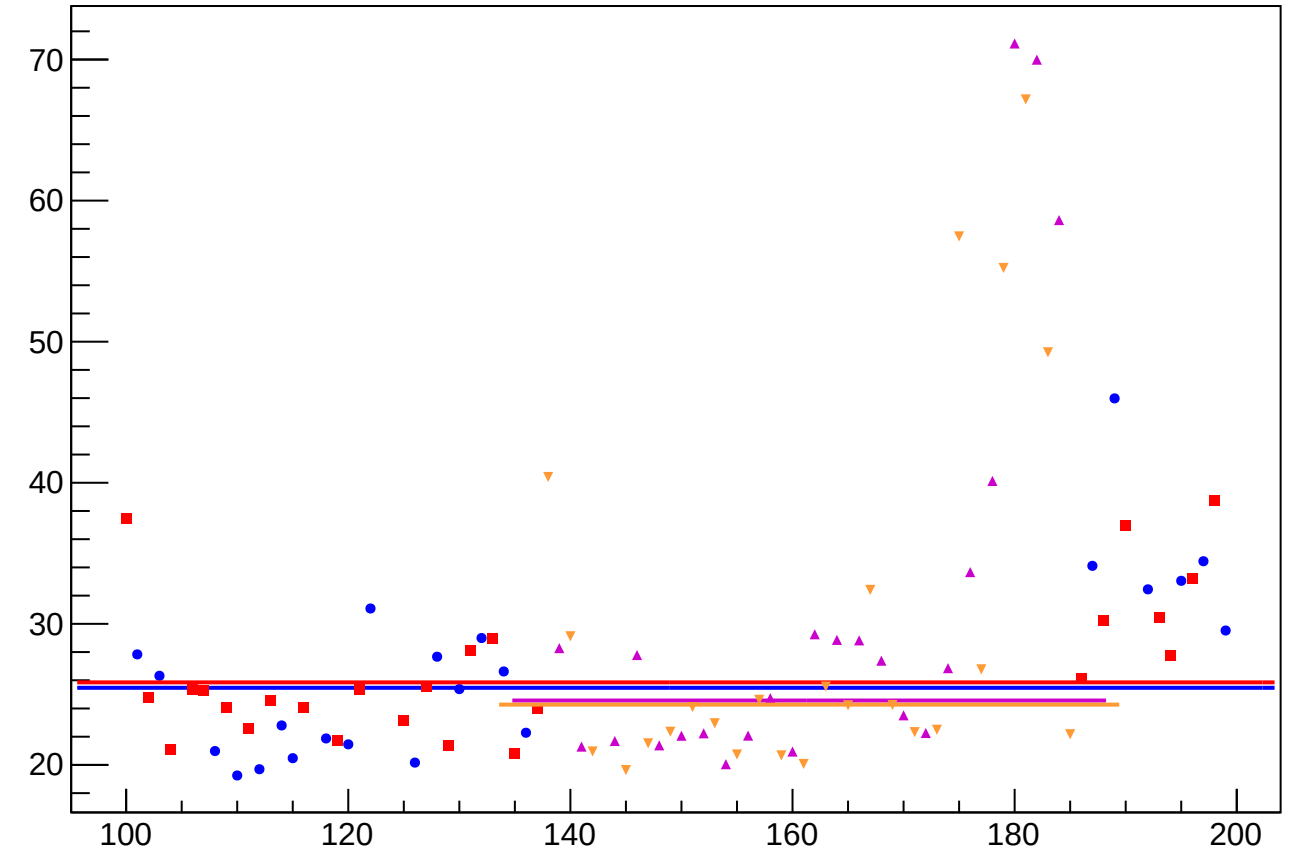
Right Out: 0.000+/-0.008 χ^2/NDF: 20.3/24

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

+ sign -0.001+/-0.005 χ^2/NDF: 27.1/45

All: -0.002+/-0.004 χ^2/NDF: 84.2/93

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



Right In: 25.467+/-0.006 χ^2/NDF: 856095.0/21

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

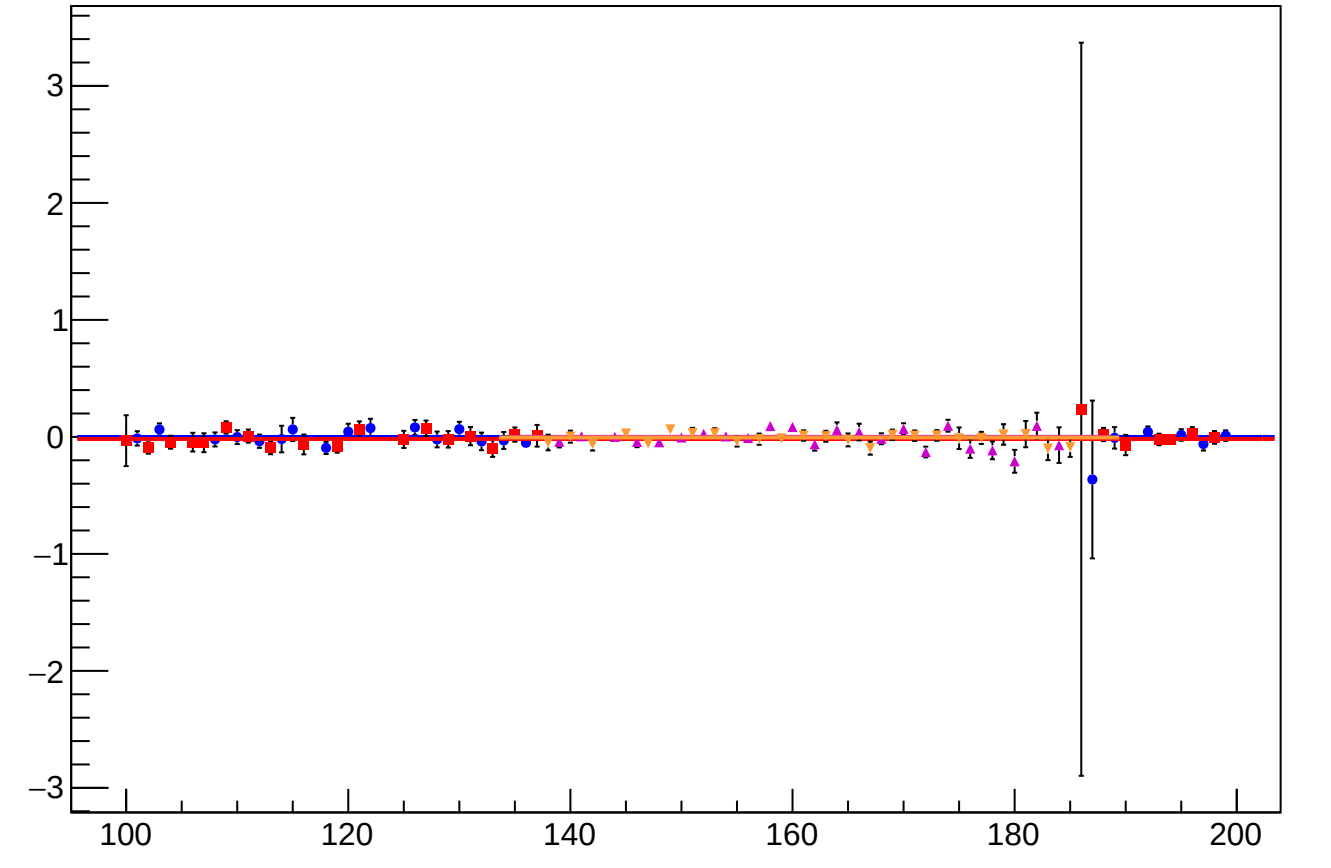
Right Out: 25.851+/-0.006 χ^2/NDF: 613555.7/24

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

+ sign 24.726+/-0.004 χ^2/NDF: 3193527.5/45

All: 24.904+/-0.002 χ^2/NDF: 5977219.5/93

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



Right In: -0.001+/-0.013 χ^2/NDF: 14.2/21

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

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

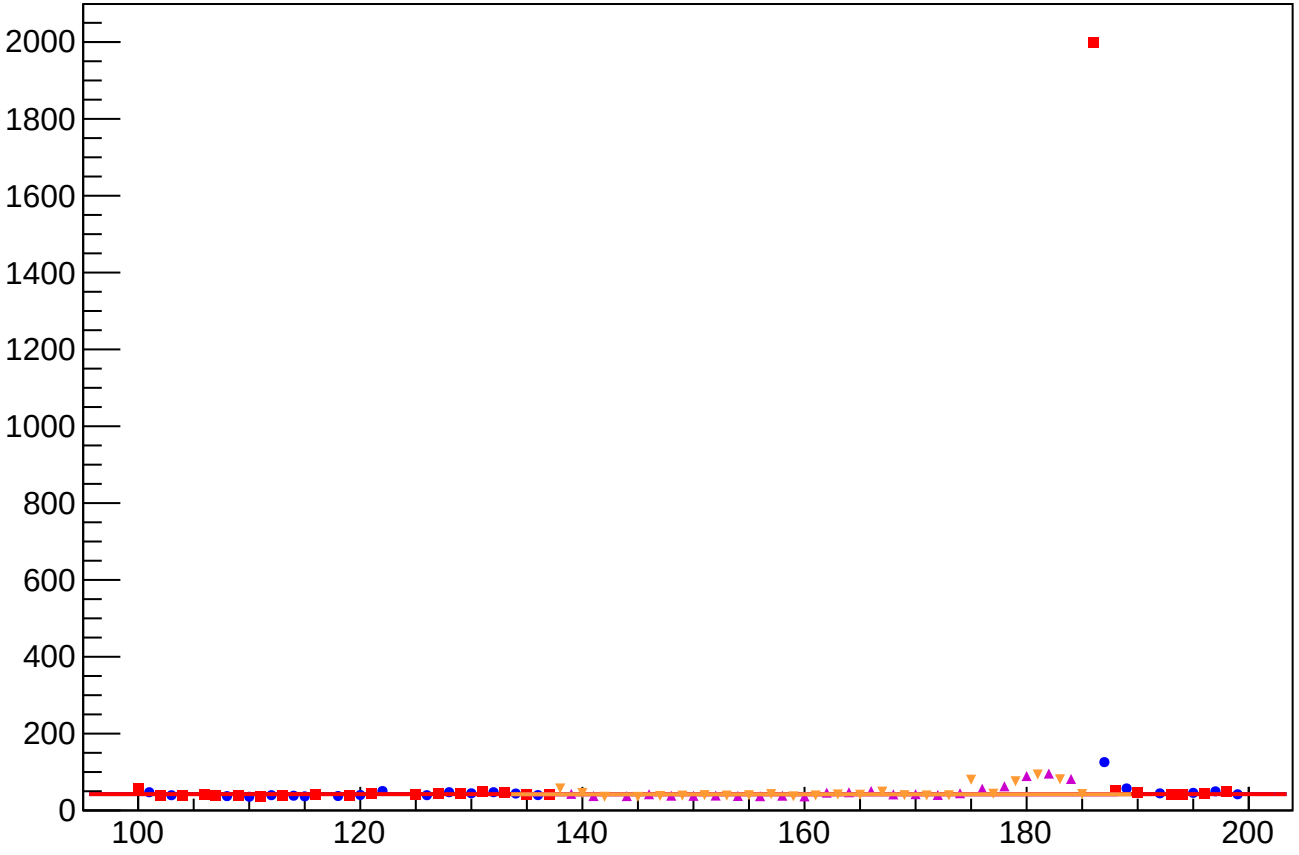
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.008 χ^2/NDF: 28.1/45

All: -0.005+/-0.006 χ^2/NDF: 84.7/93

- 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: 42.709+/-0.009 χ^2/NDF: 276400.7/21

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

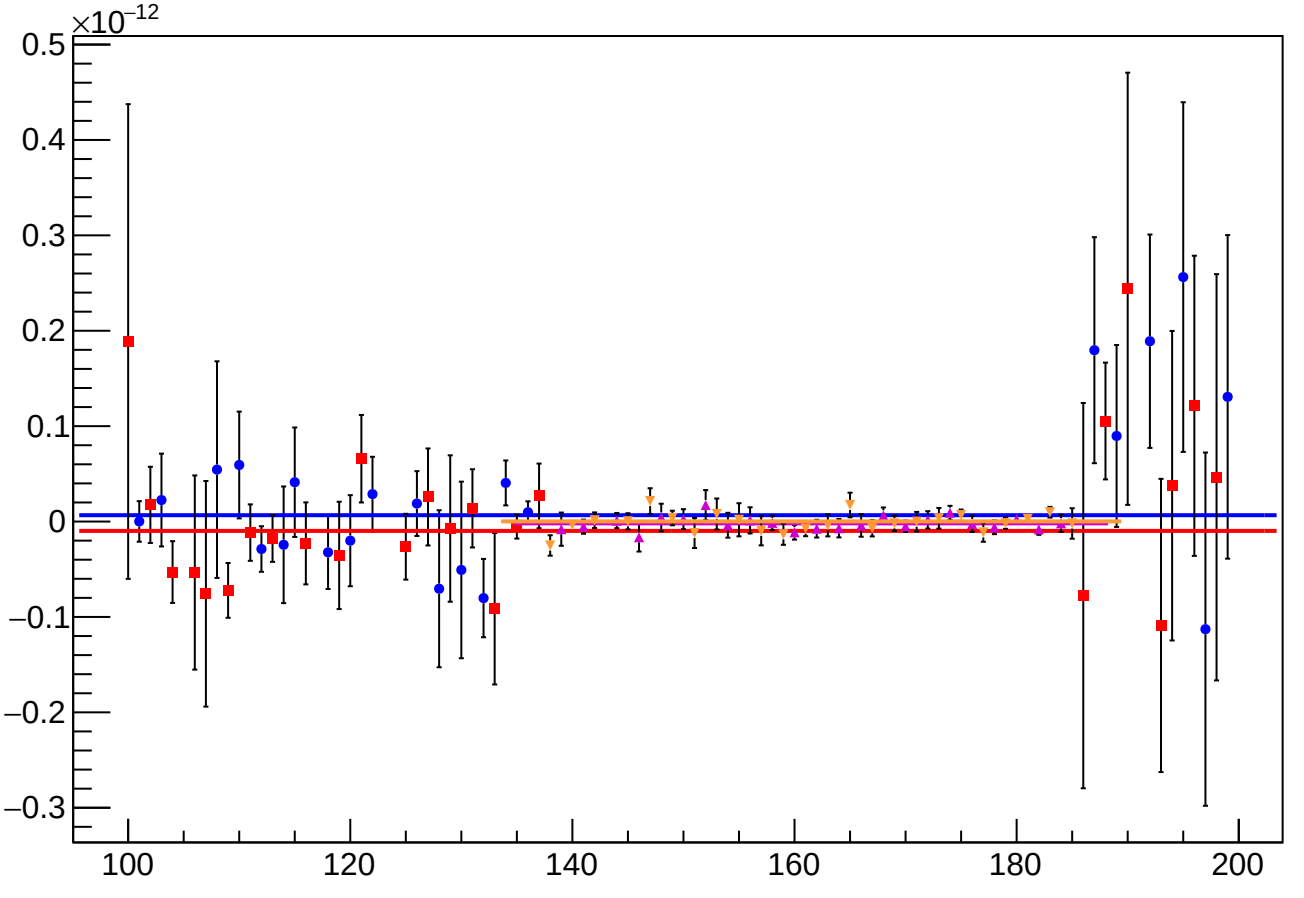
Right Out: 42.470+/-0.009 χ^2/NDF: 991872.1/24

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

+ sign 42.329+/-0.006 χ^2/NDF: 1995198.2/45

All: 42.282+/-0.004 χ^2/NDF: 4531829.8/93

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



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/21

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

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

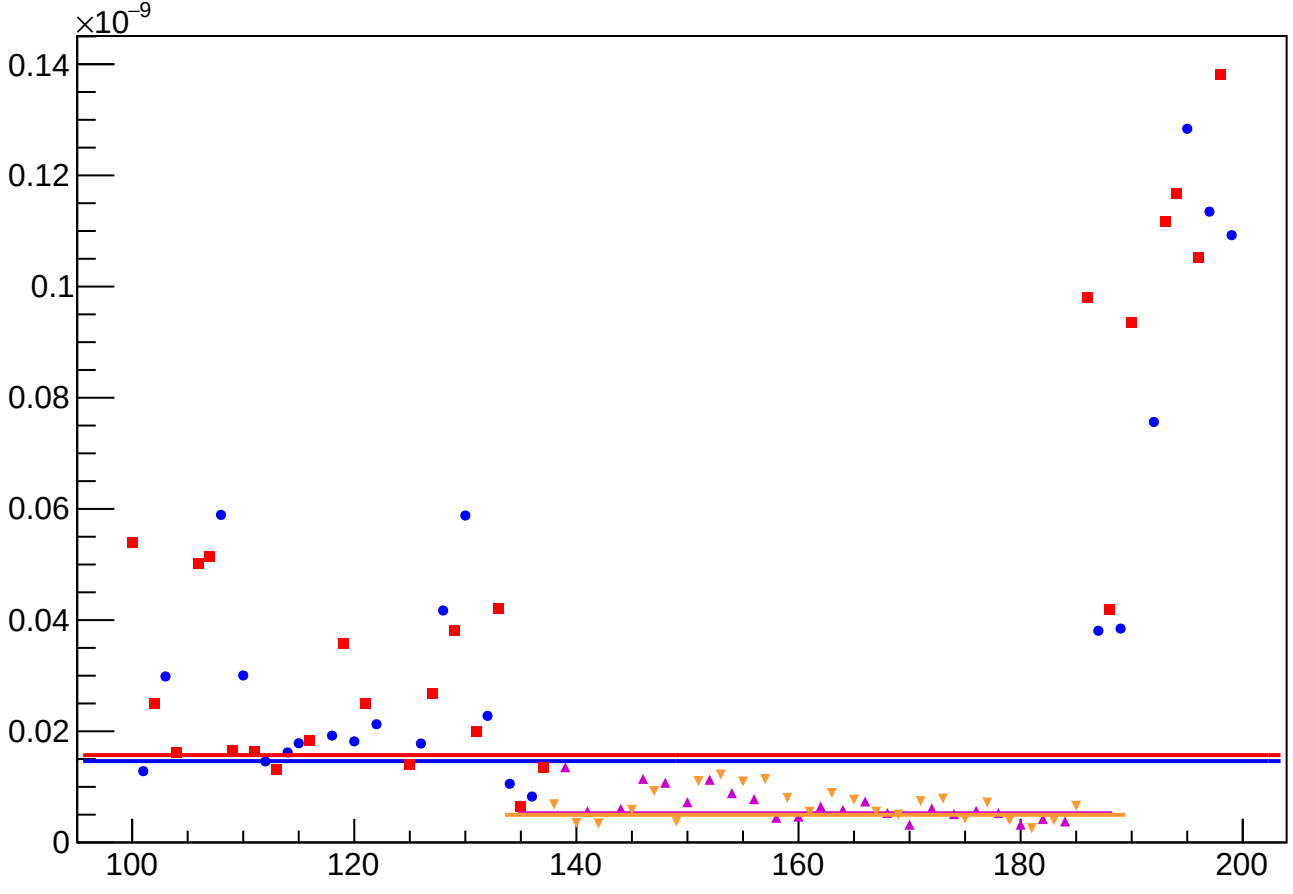
Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/45

All: -0.000+/-0.000 χ^2/NDF: 79.0/93

- 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: 4988709.8/21

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

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

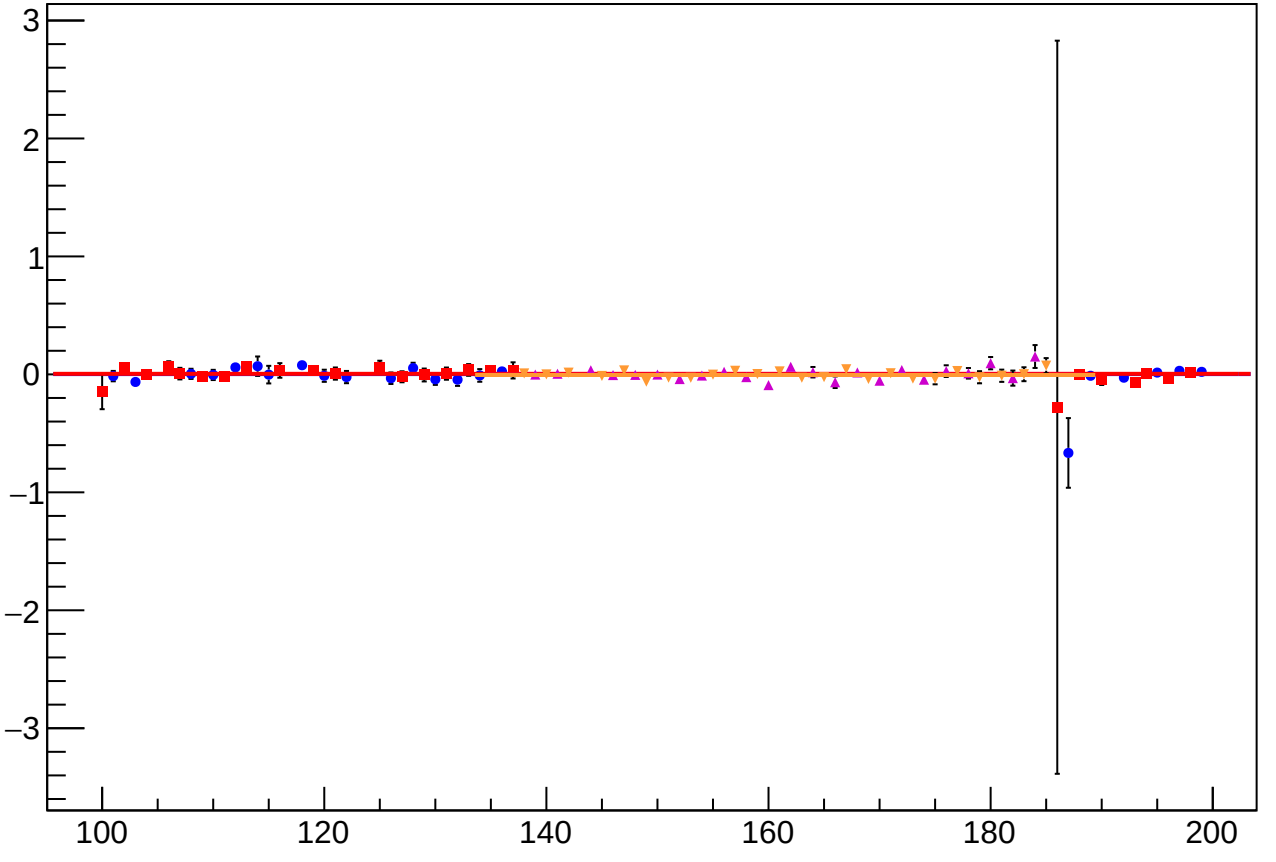
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11847412.8/45

All: 0.000+/-0.000 χ^2/NDF: 24373705.2/93

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

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.008 χ^2/NDF: 23.5/21

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

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

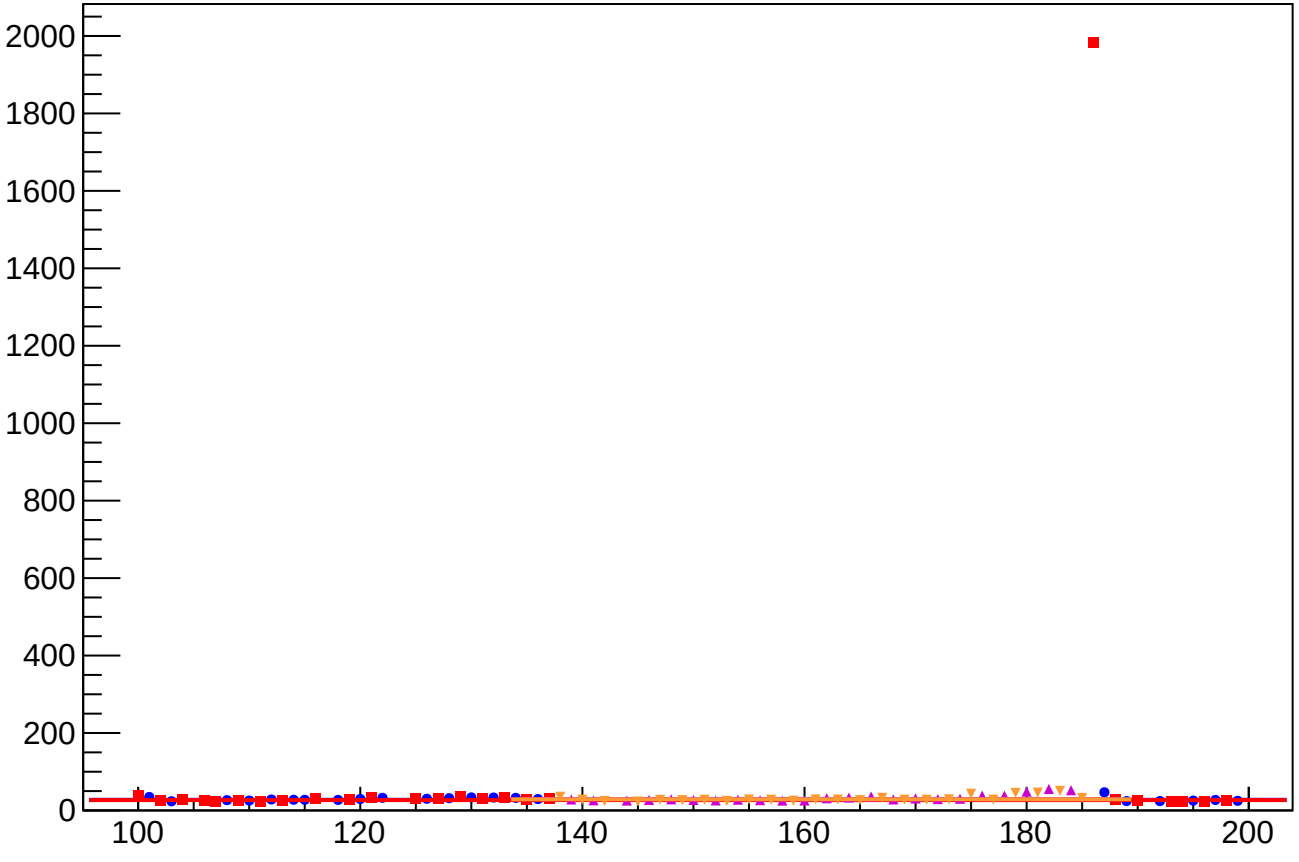
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.002+/-0.005 χ^2/NDF: 40.7/45

All: -0.001+/-0.004 χ^2/NDF: 93.6/93

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

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 27.468+/-0.006 χ^2/NDF: 305232.9/21

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

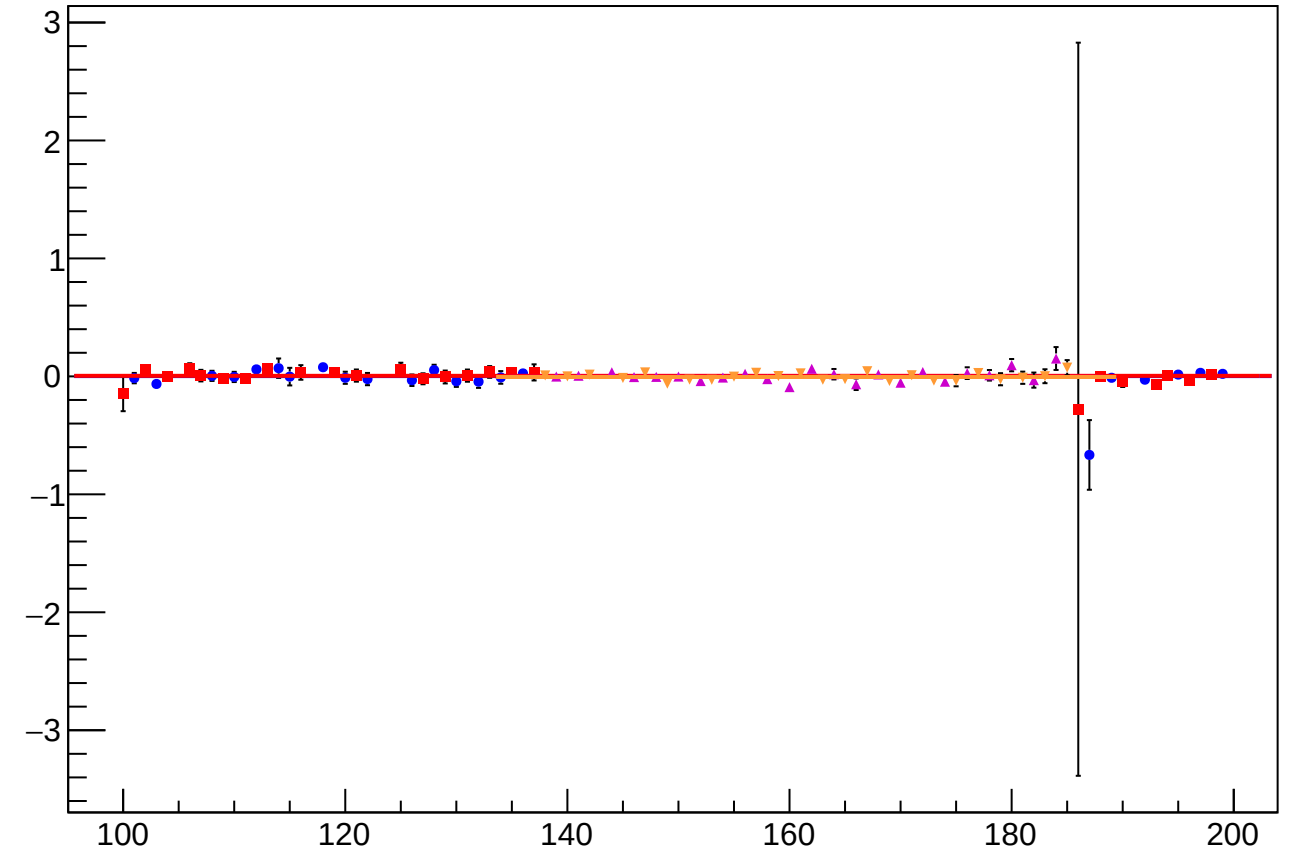
Right Out: 26.764+/-0.006 χ^2/NDF: 1079739.3/24

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

+ sign 28.245+/-0.004 χ^2/NDF: 1504098.1/45

All: 28.203+/-0.003 χ^2/NDF: 3830085.7/93

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



Right In: 0.002+/-0.008 χ^2/NDF: 23.5/21

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

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

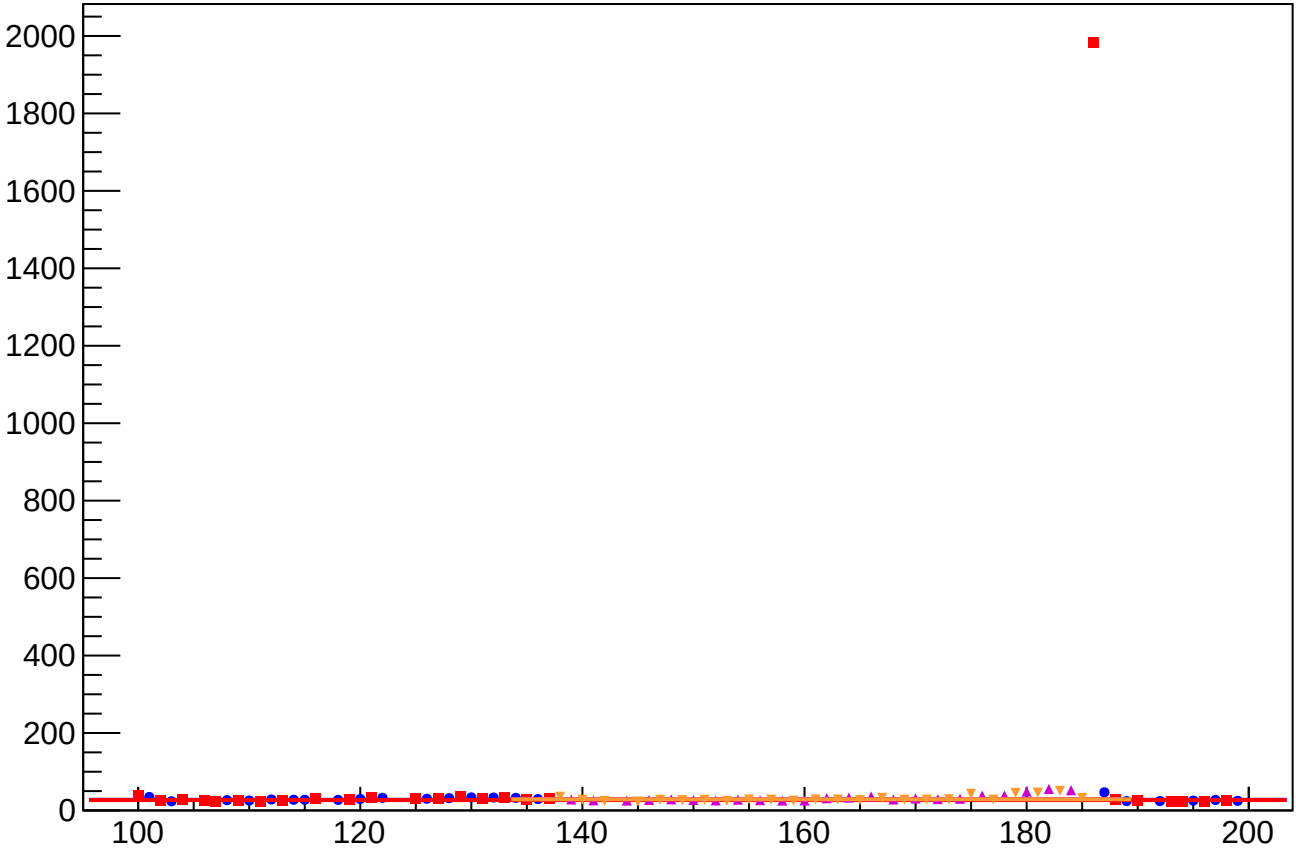
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.002+/-0.005 χ^2/NDF: 40.7/45

All: -0.001+/-0.004 χ^2/NDF: 93.6/93

- 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: 27.468+/-0.006 χ^2/NDF: 305232.9/21

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

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

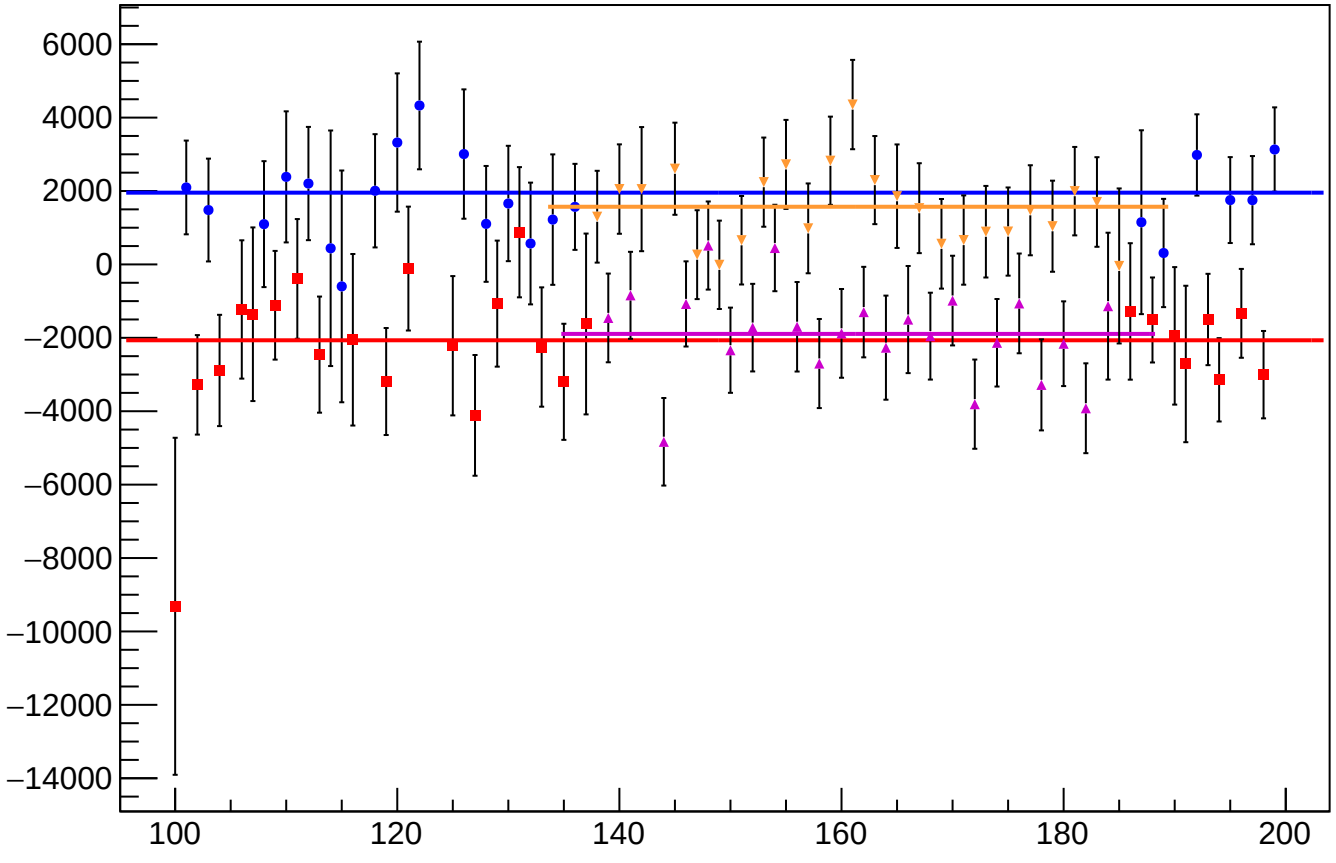
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

\+ sign 28.245+/-0.004 χ^2/NDF: 1504098.1/45

All: 28.203+/-0.003 χ^2/NDF: 3830085.7/93

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

reg_asym_usl_mean vs Slug



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

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

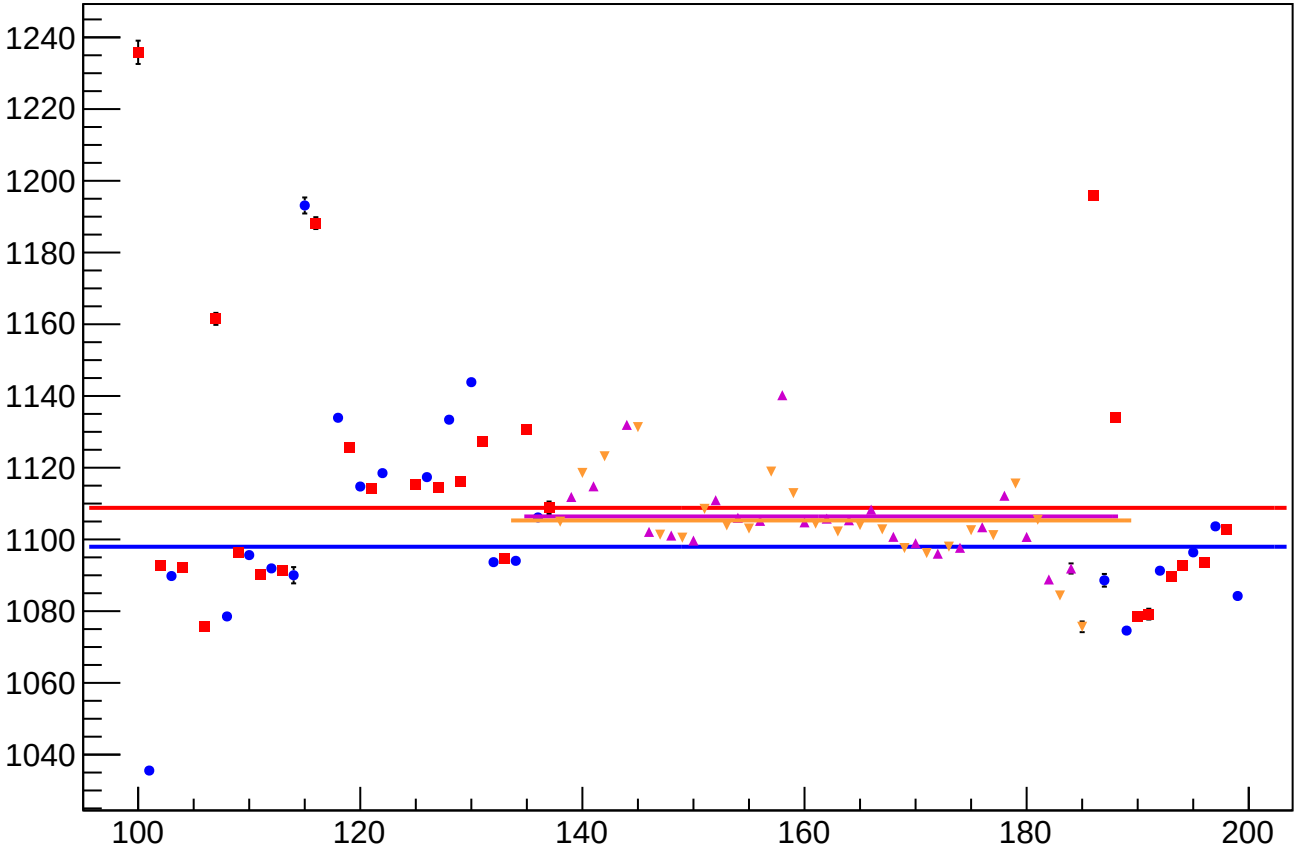
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1719.474+/-200.913 χ^2/NDF: 24.9/45

All: -141.865+/-141.313 χ^2/NDF: 234.2/94

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

reg_asym_usl_rms vs Slug



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

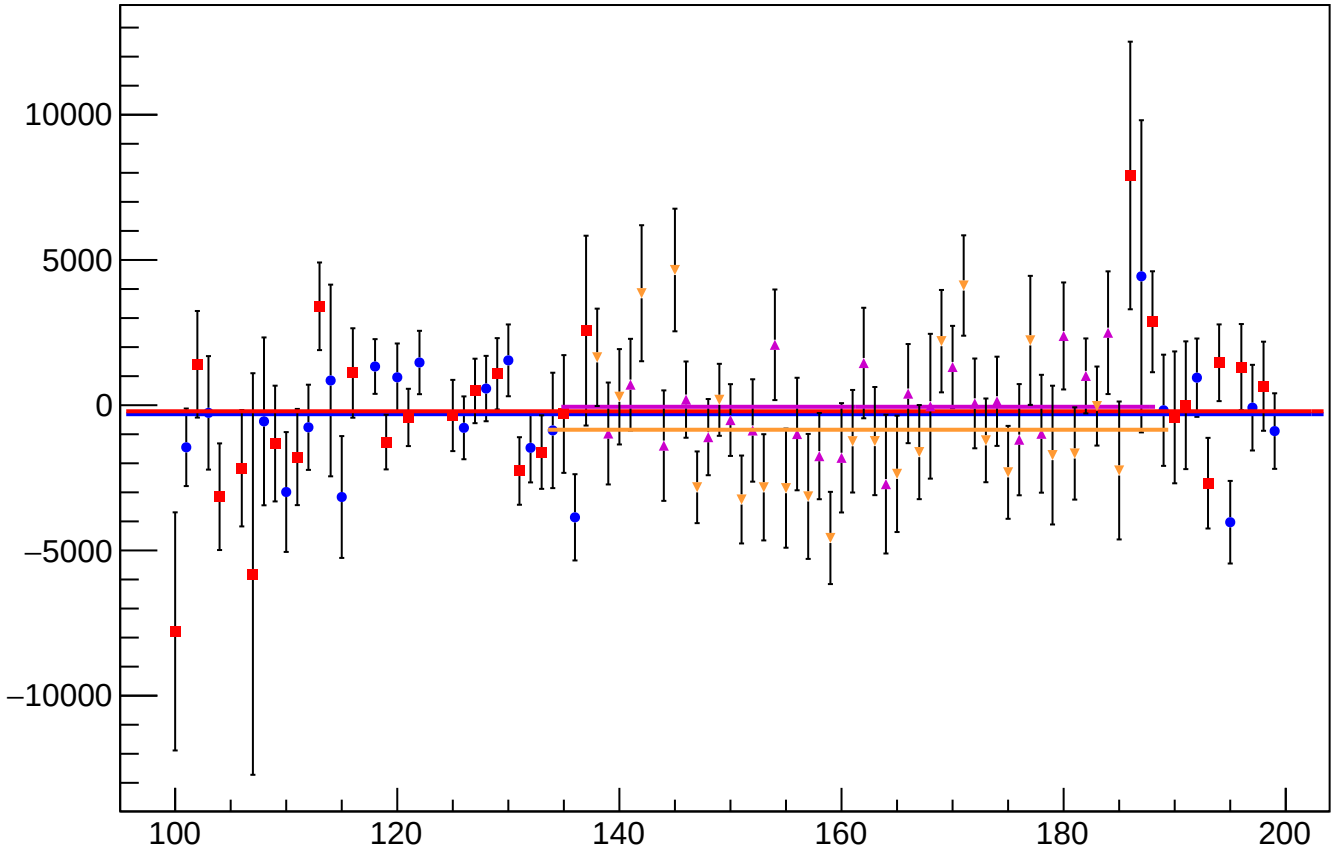
Right Out: 1108.806+/-0.220 χ^2/NDF: 15240.3/25

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

+ sign 1102.459+/-0.142 χ^2/NDF: 16294.7/45

All: 1104.948+/-0.100 χ^2/NDF: 35989.1/94

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



Right In: -309.490+/-304.523 χ^2/NDF: 29.9/21

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

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

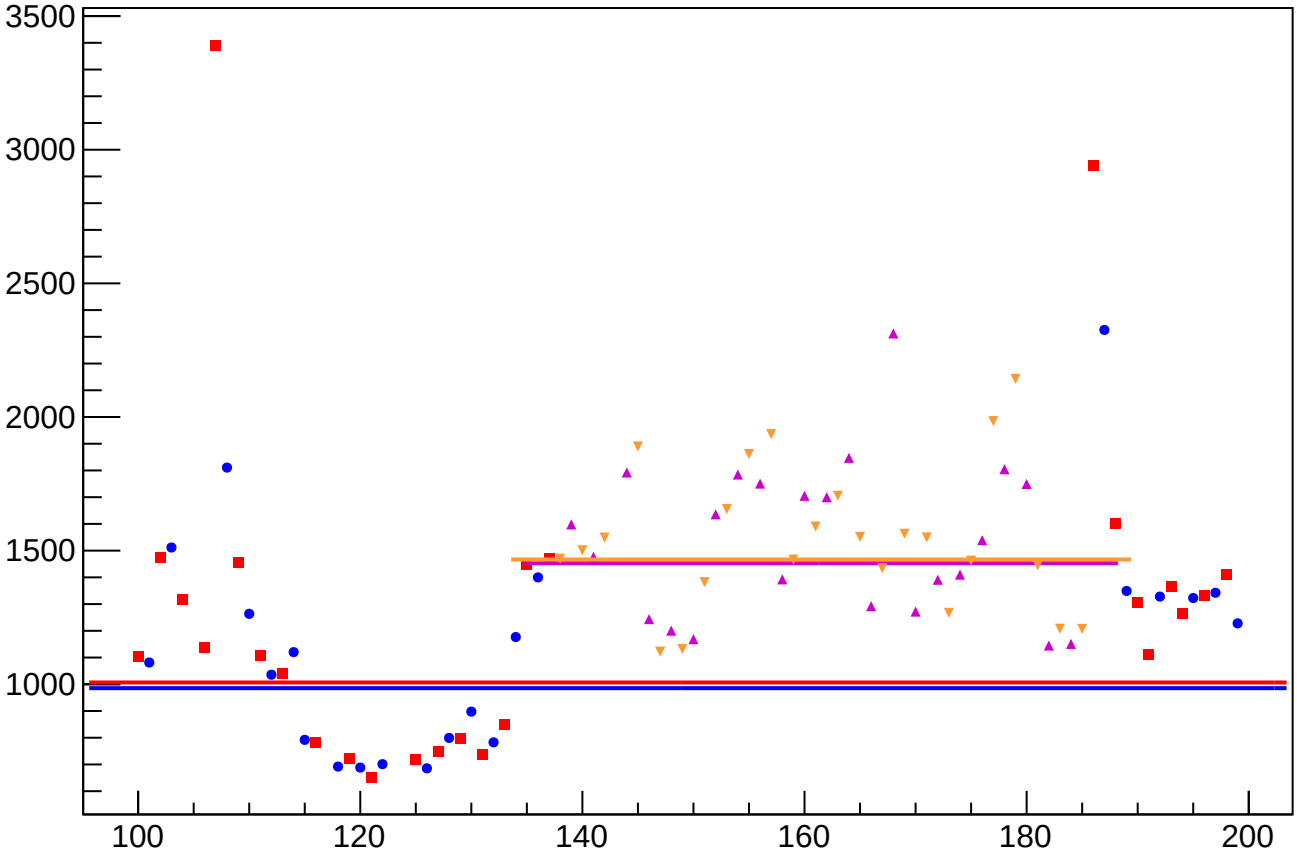
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -542.065+/-228.983 χ^2/NDF: 75.4/45

All: -340.480+/-161.229 χ^2/NDF: 125.8/94

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

asym_usl_reg_correction_rms vs Slug



Right In: 985.426+/-0.215 χ^2/NDF: 1913726.6/21

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

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

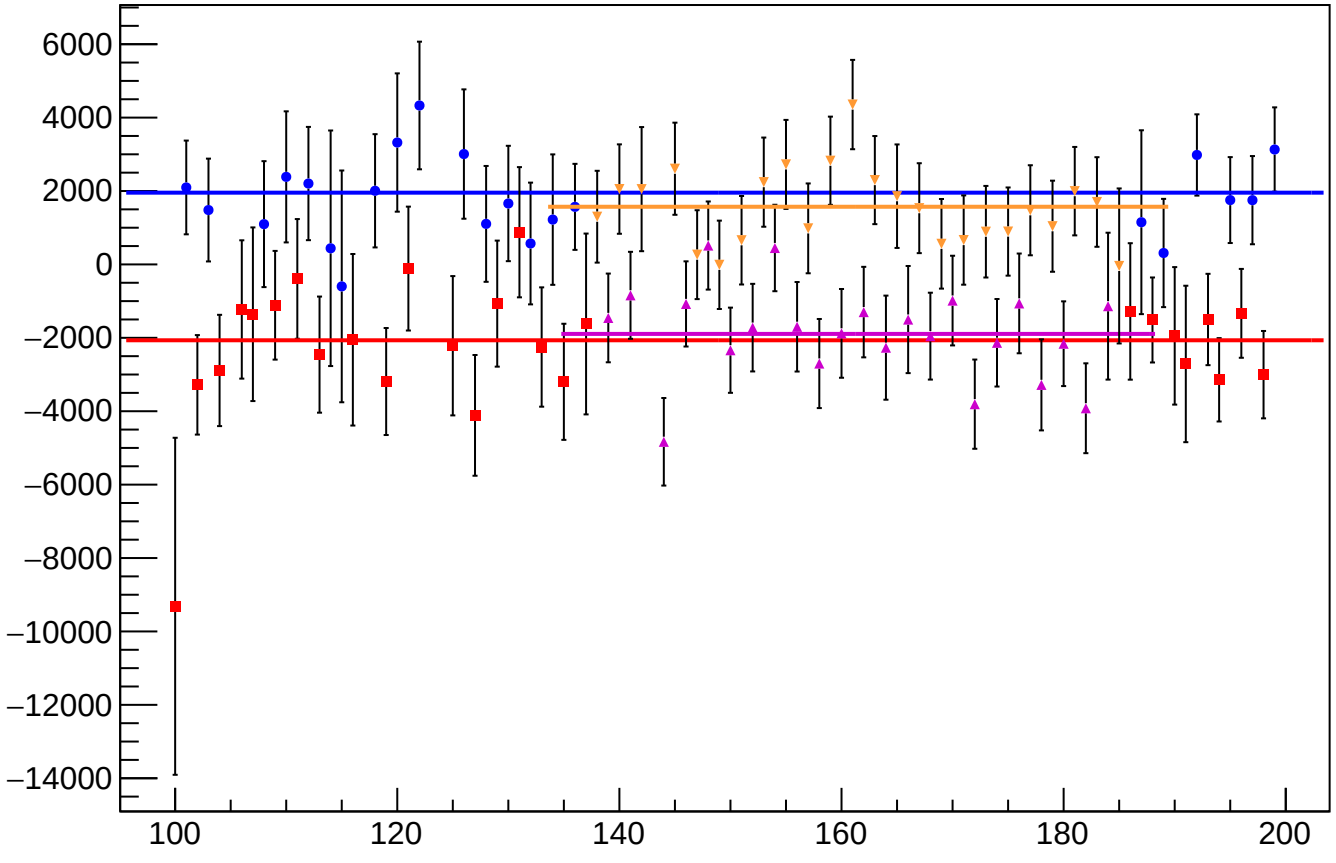
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1194.646+/-0.162 χ^2/NDF: 5129312.7/45

All: 1196.807+/-0.114 χ^2/NDF: 10774986.4/9

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

cor_asym_usl_mean vs Slug



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

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

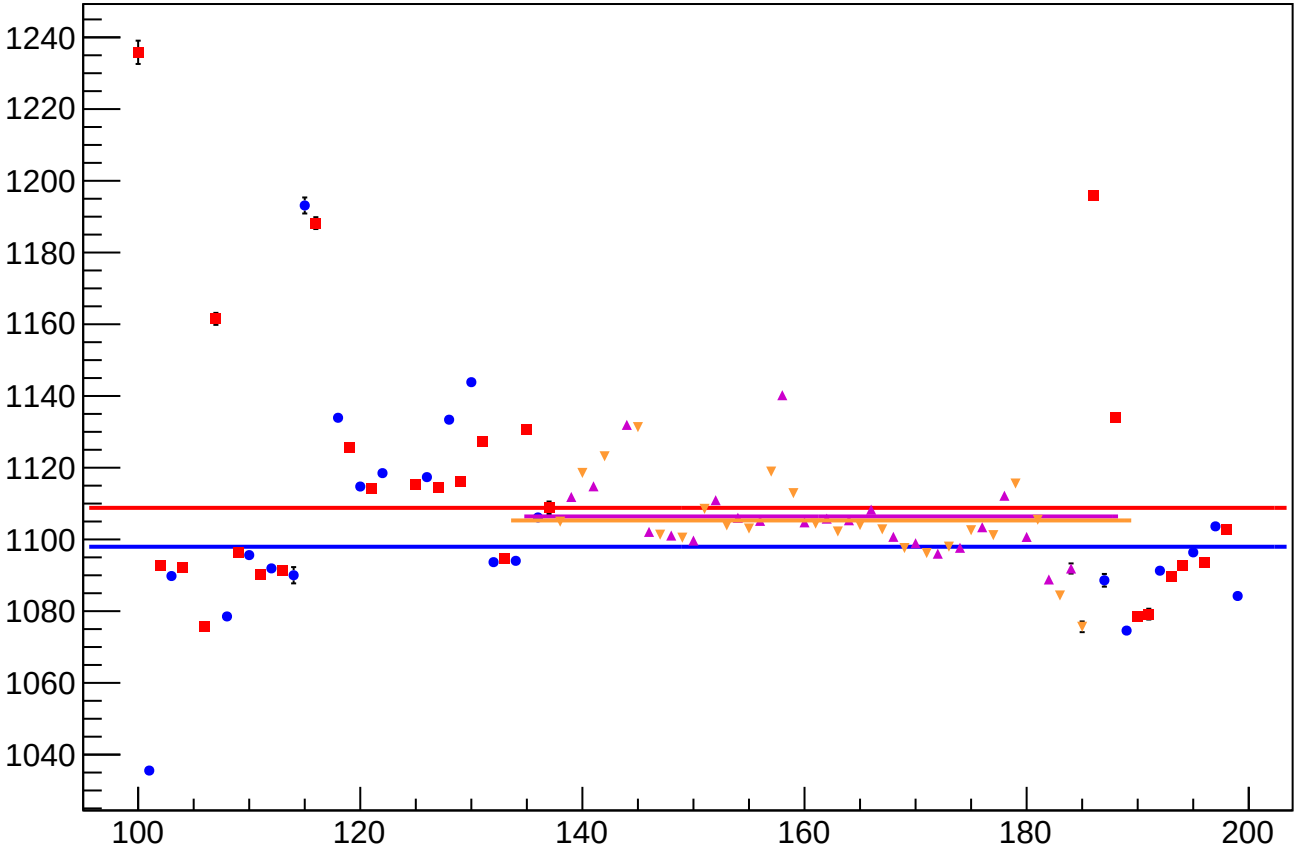
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1719.474+/-200.913 χ^2/NDF: 24.9/45

All: -141.863+/-141.313 χ^2/NDF: 234.2/94

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

cor_asym_usl_rms vs Slug



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

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

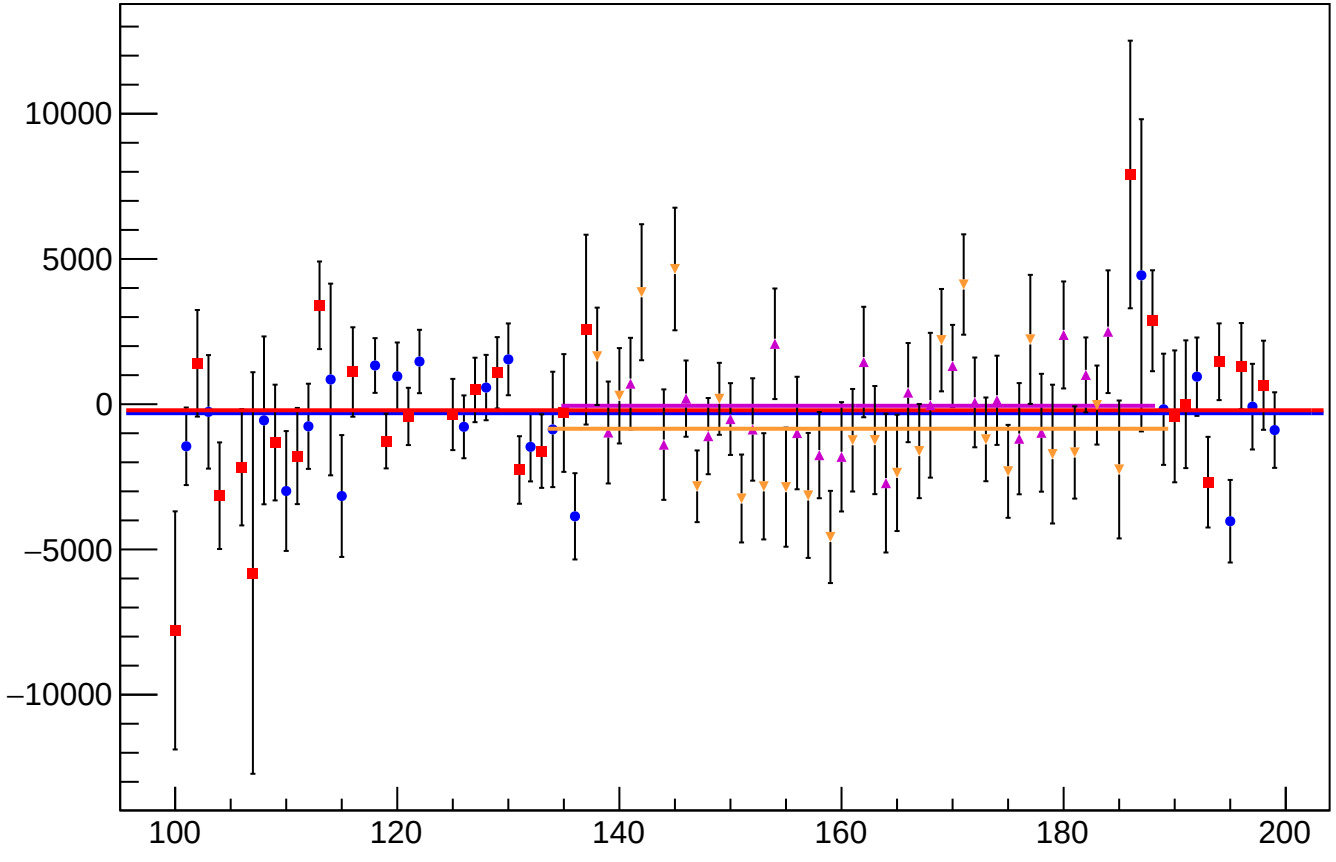
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1102.459+/-0.142 χ^2/NDF: 16294.7/45

All: 1104.948+/-0.100 χ^2/NDF: 35989.1/94

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

asym_usl_cor_correction_mean vs Slug



Right In: -309.490+/-304.523 χ^2/NDF: 29.9/21

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

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

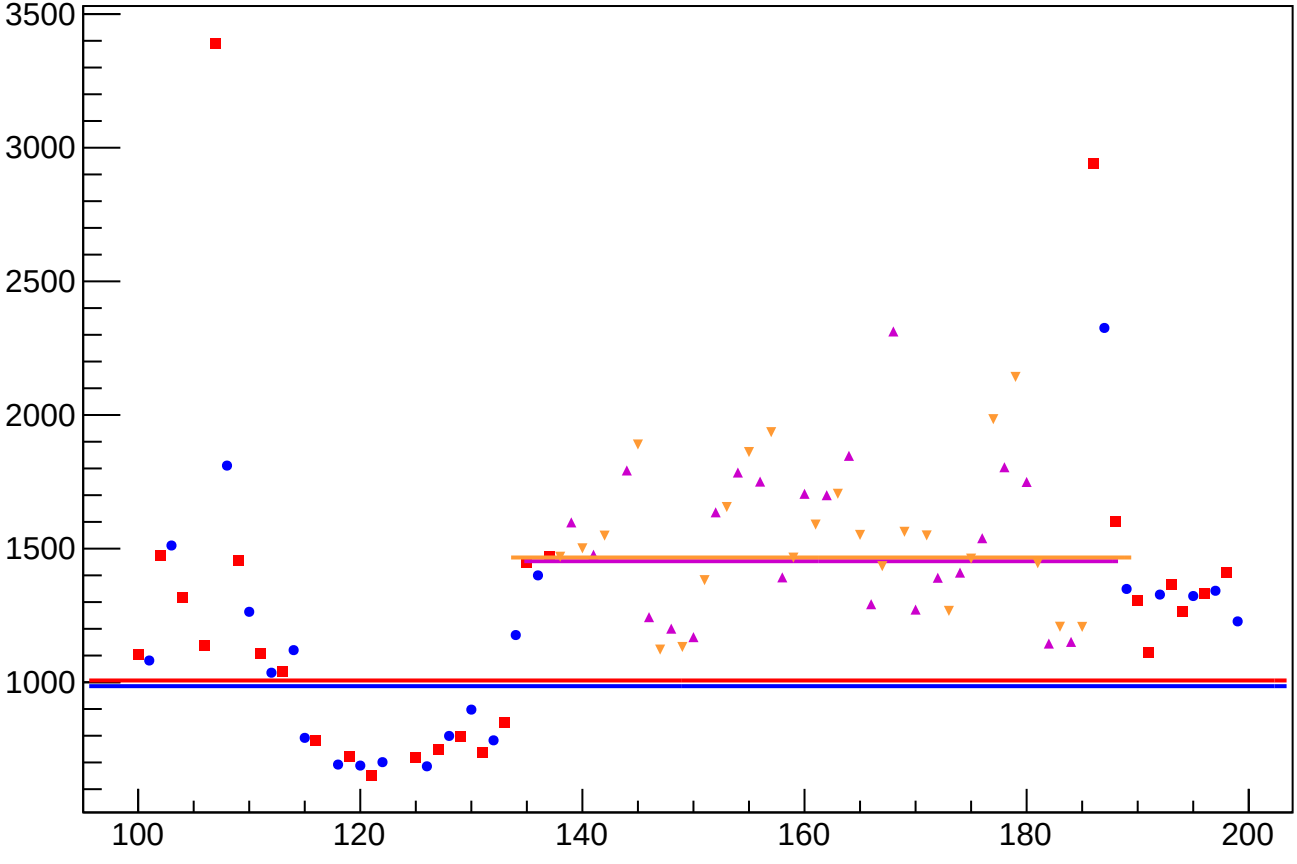
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -542.065+/-228.983 χ^2/NDF: 75.4/45

All: -340.480+/-161.229 χ^2/NDF: 125.8/94

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

asym_usl_cor_correction_rms vs Slug



Right In: 985.426+/-0.215 χ^2/NDF: 1913726.6/21

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

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

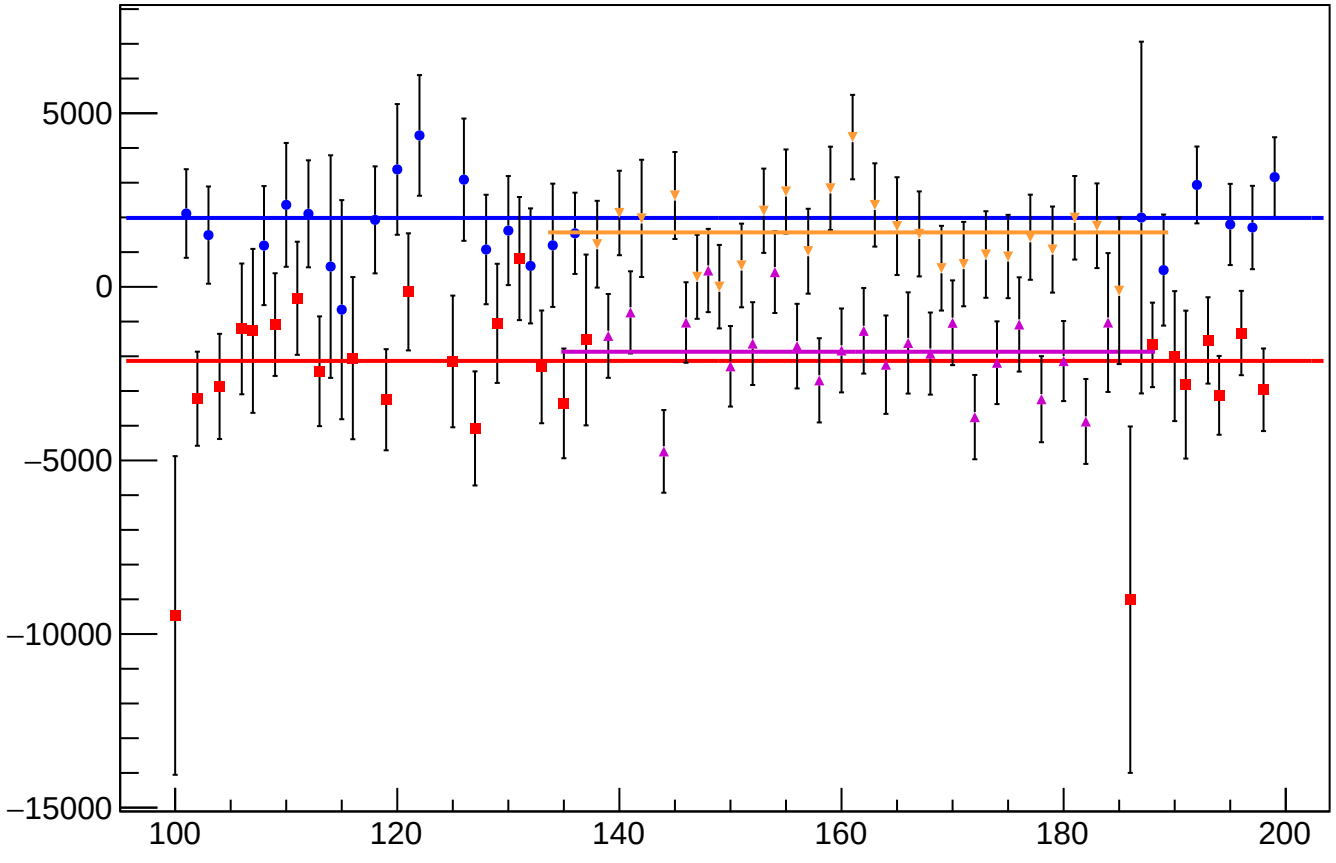
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1194.646+/-0.162 χ^2/NDF: 5129312.7/45

All: 1196.807+/-0.114 χ^2/NDF: 10774987.4/9

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

overload_cor_asym_usl_mean vs Slug



Right In: 1984.946+/-326.112 χ^2/NDF: 8.3/21

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

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

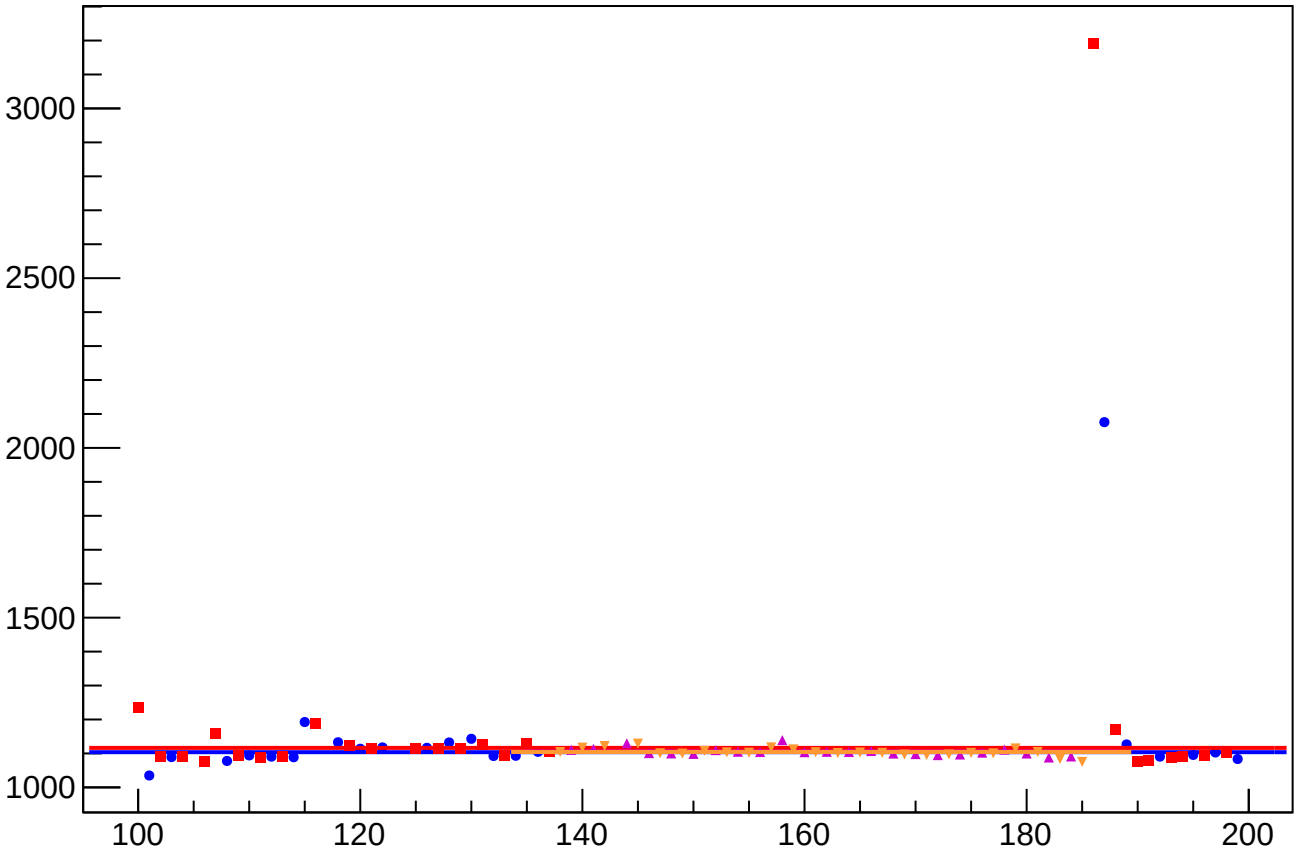
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1727.684+/-201.510 χ^2/NDF: 24.7/45

All: -138.339+/-141.922 χ^2/NDF: 235.5/94

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

overload_cor_asym_usl_rms vs Slug



Right In: 1103.681+/-0.231 χ^2/NDF: 86431.7/21

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

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

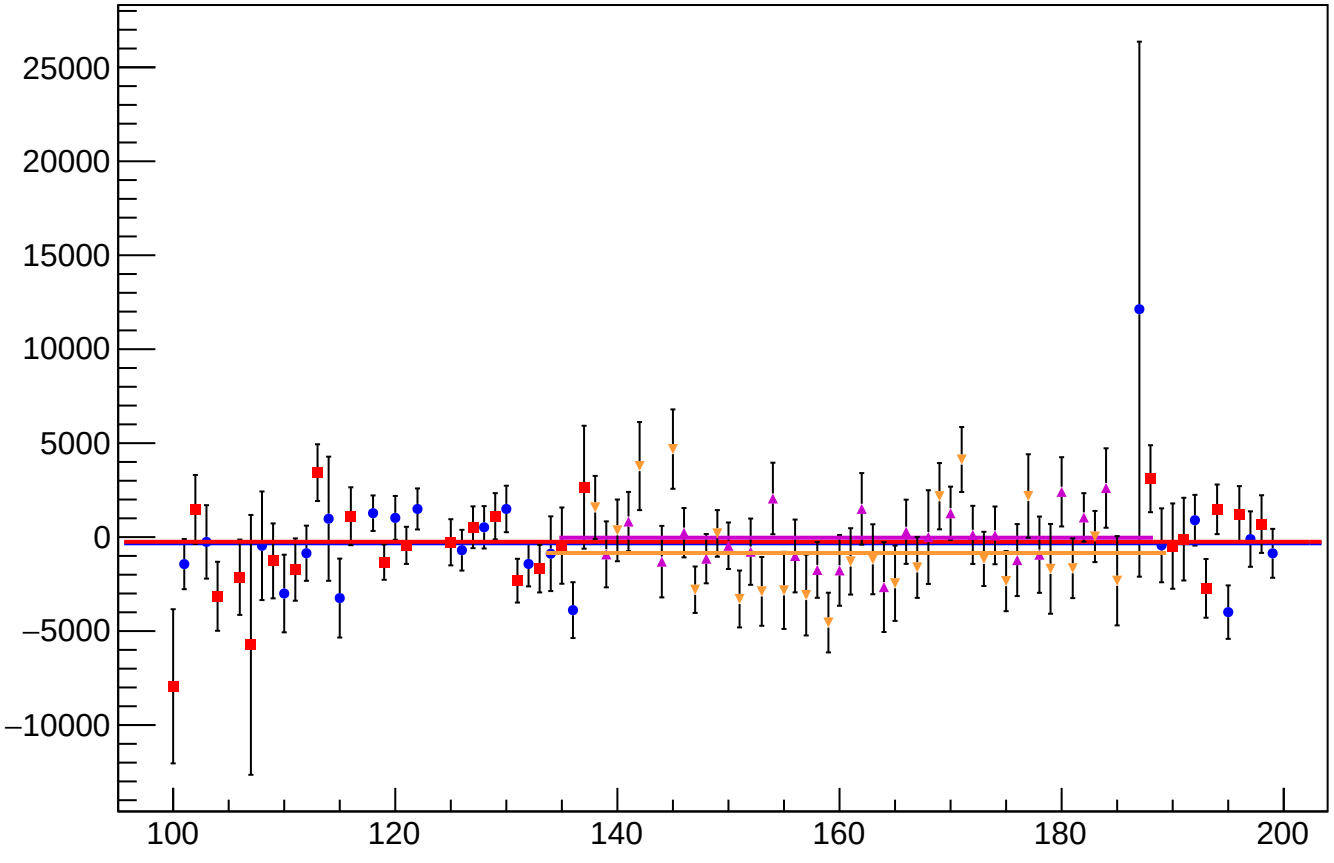
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1104.038+/-0.142 χ^2/NDF: 89434.8/45

All: 1106.929+/-0.100 χ^2/NDF: 457638.7/94

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

asym_usl_overload_cor_correction_mean vs Slug



Right In: -328.292+/-305.545 χ^2/NDF: 29.5/21

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

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

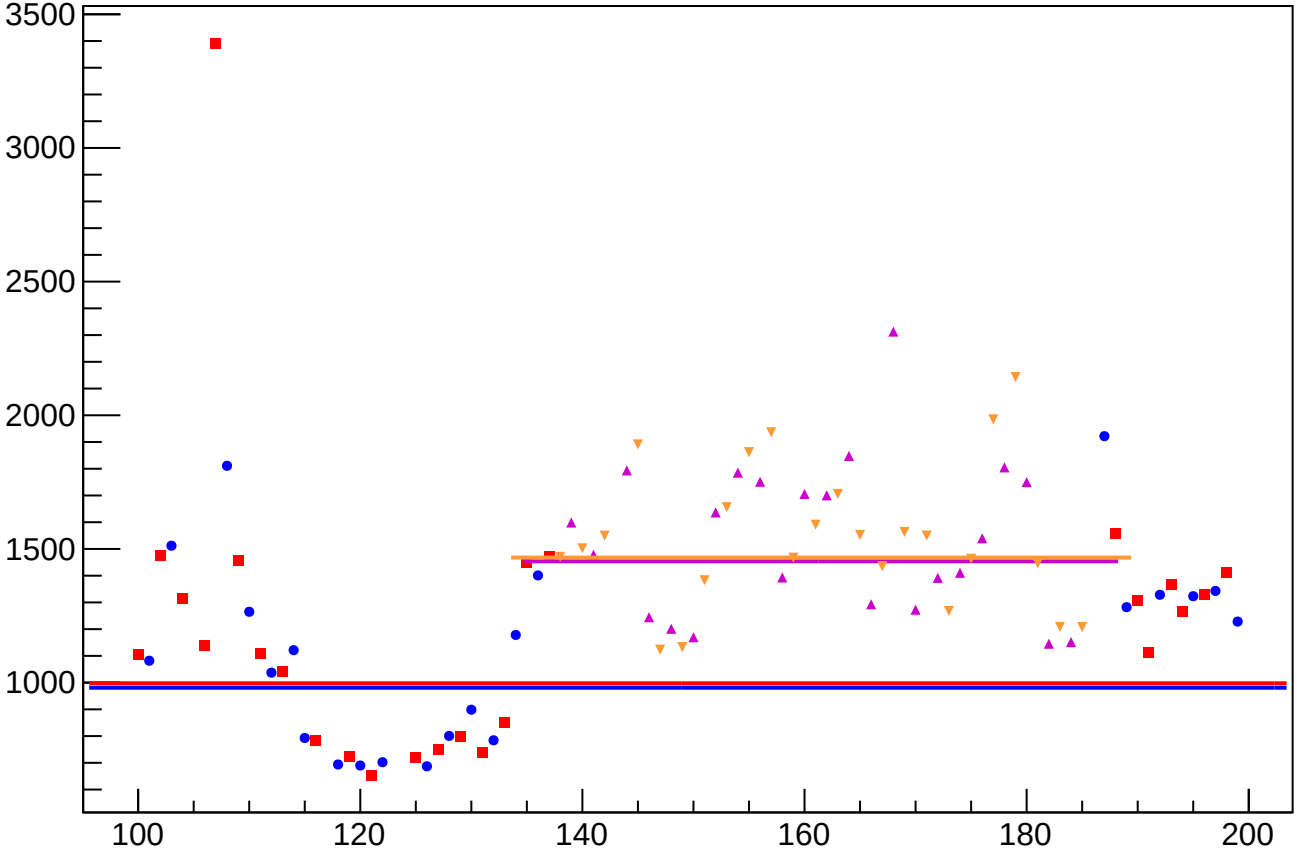
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

\+ sign -552.809+/-229.471 χ^2/NDF: 74.8/45

All: -352.348+/-161.615 χ^2/NDF: 123.2/93

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

asym_usl_overload_cor_correction_rms vs Slug



Right In: 980.910+/-0.216 χ^2/NDF: 1762526.7/21

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

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

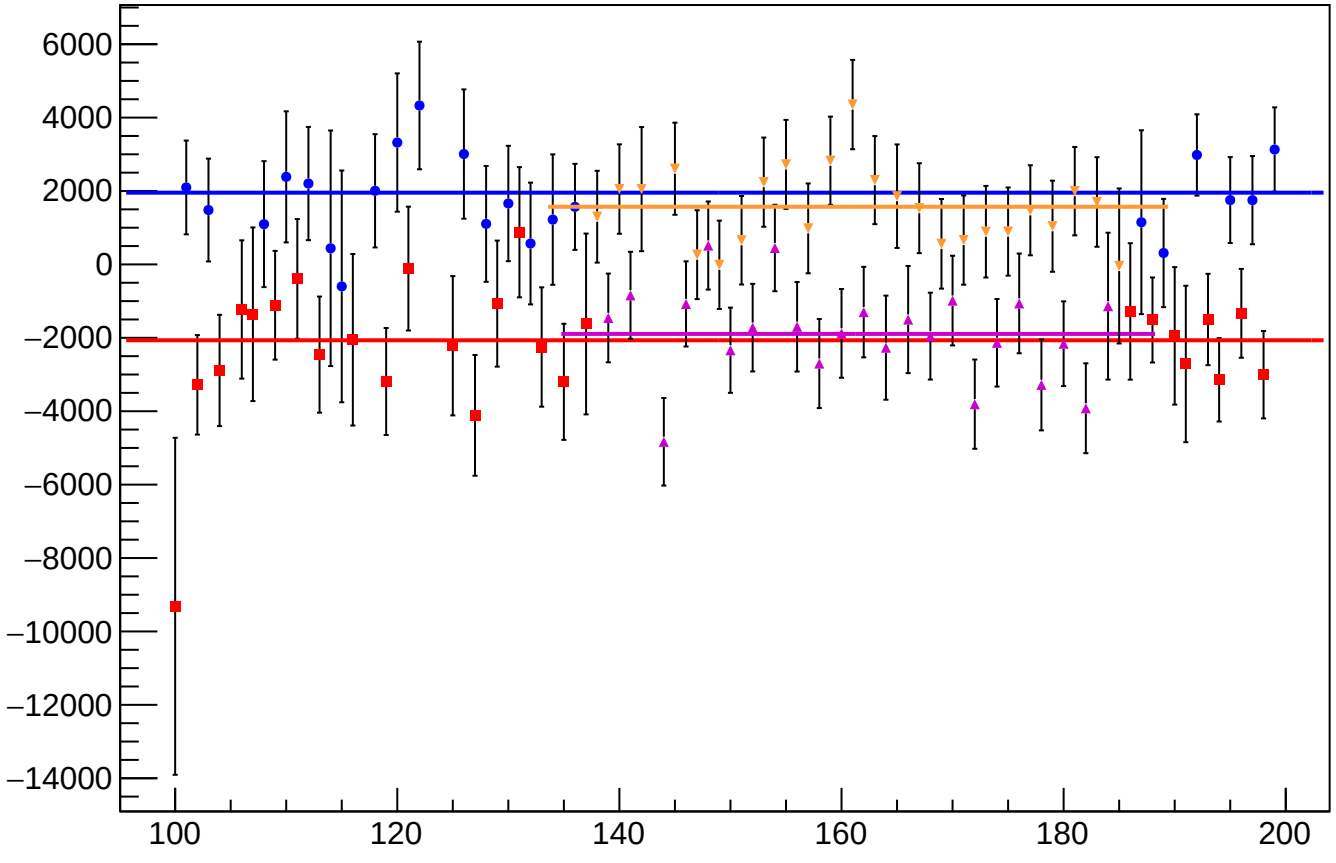
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1193.132+/-0.162 χ^2/NDF: 5017547.4/45

All: 1194.009+/-0.114 χ^2/NDF: 10330895.5/9

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

eigen_cor_asym_usl_mean vs Slug



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

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

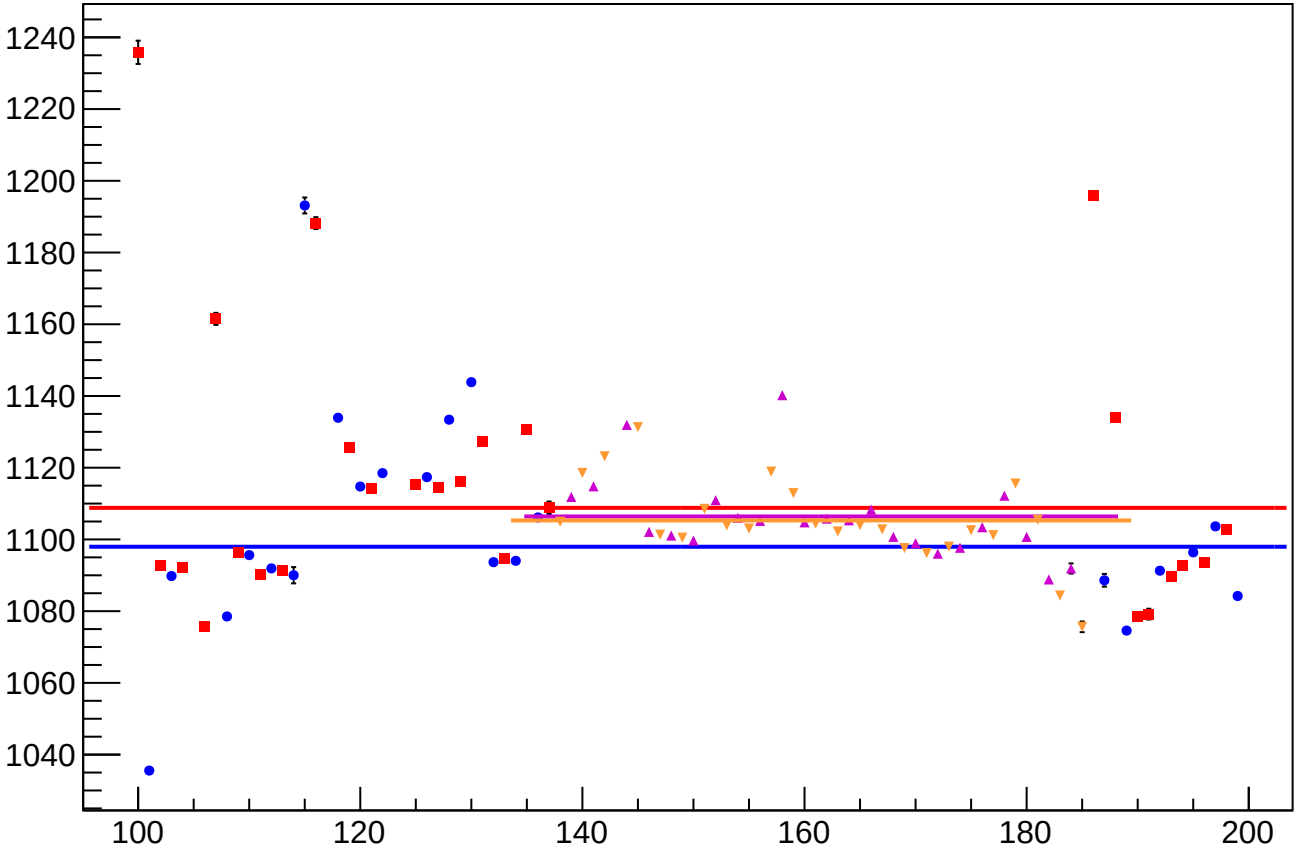
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1719.474+/-200.913 χ^2/NDF: 24.9/45

All: -141.863+/-141.313 χ^2/NDF: 234.2/94

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

eigen_cor_asym_usl_rms vs Slug



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

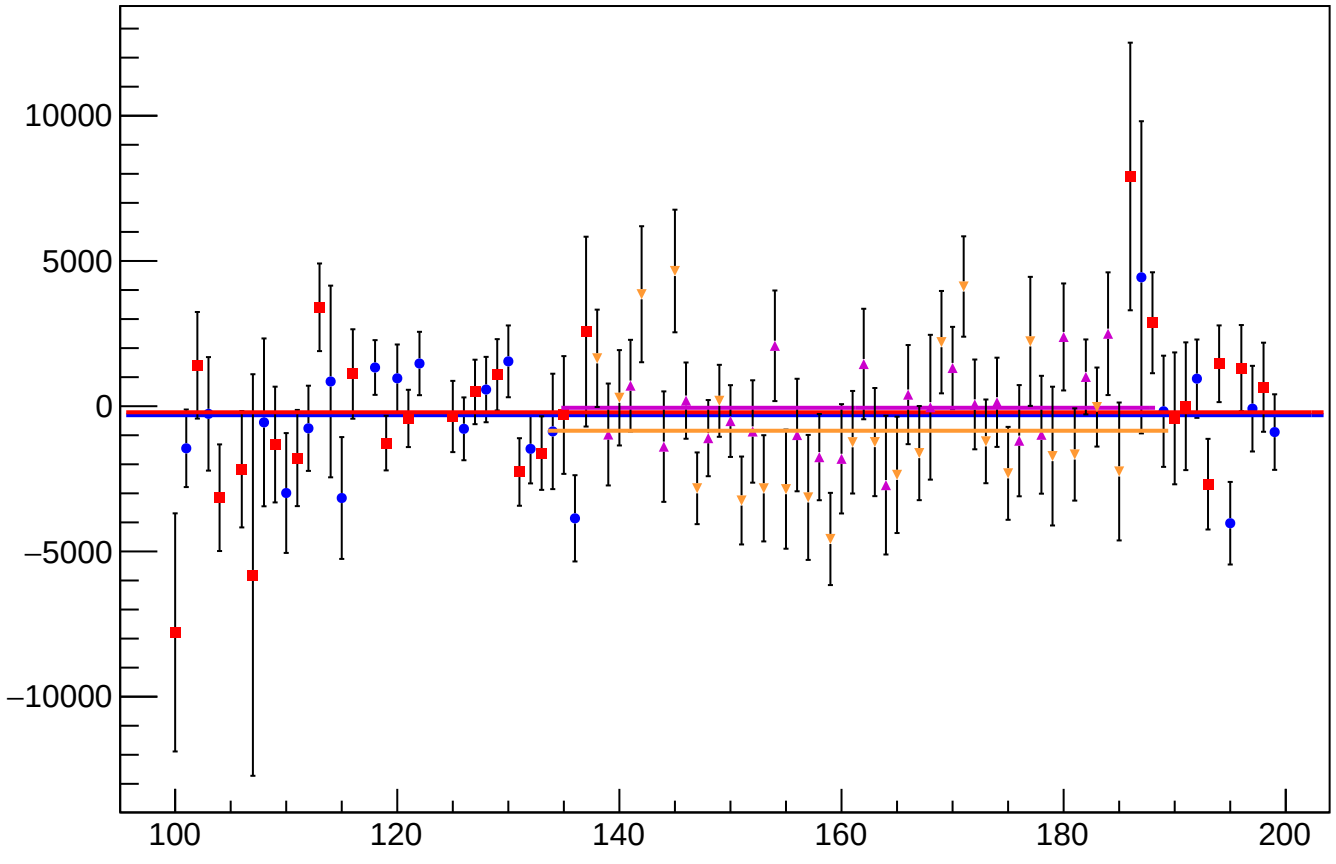
Right Out: 1108.806+/-0.220 χ^2/NDF: 15240.3/25

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

+ sign 1102.459+/-0.142 χ^2/NDF: 16294.7/45

All: 1104.948+/-0.100 χ^2/NDF: 35989.1/94

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



Right In: -309.490+/-304.523 χ^2/NDF: 29.9/21

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

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

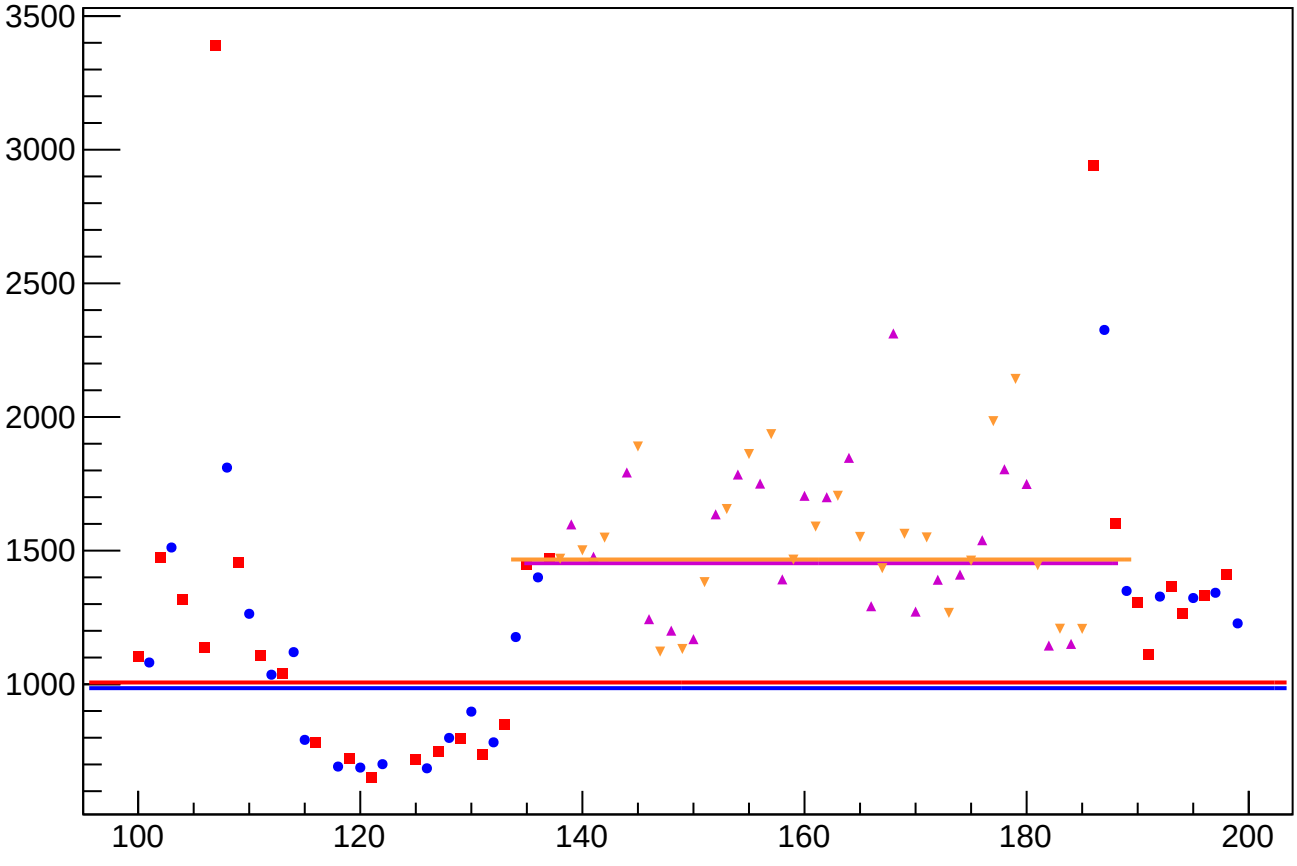
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -542.065+/-228.983 χ^2/NDF: 75.4/45

All: -340.480+/-161.229 χ^2/NDF: 125.8/94

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

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 985.426+/-0.215 χ^2/NDF: 1913726.6/21

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

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

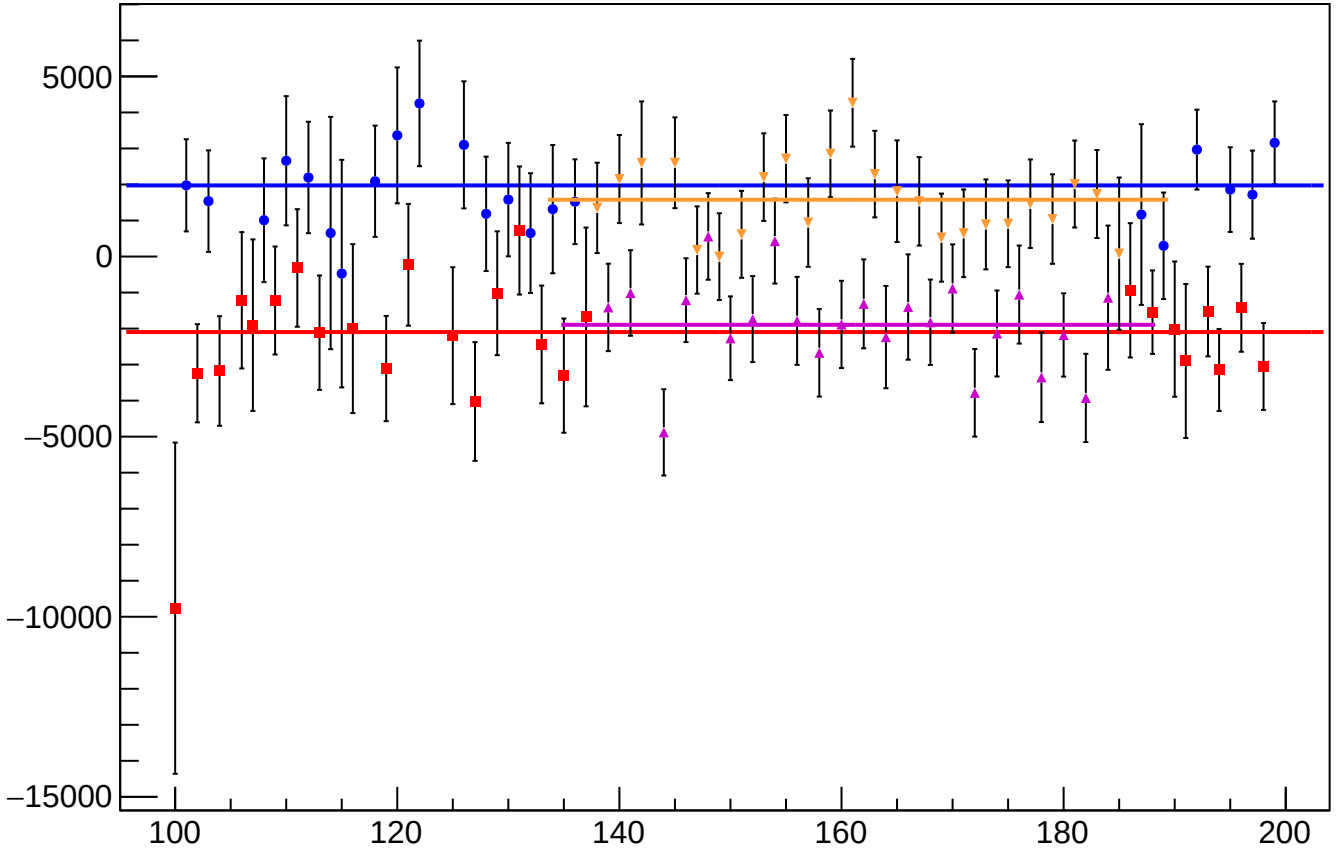
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1194.646+/-0.162 χ^2/NDF: 5129312.7/45

All: 1196.807+/-0.114 χ^2/NDF: 10774987.4/9

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

dit_asym_usl_mean vs Slug



Right In: 1974.236+/-324.368 χ^2/NDF: 8.5/21

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

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

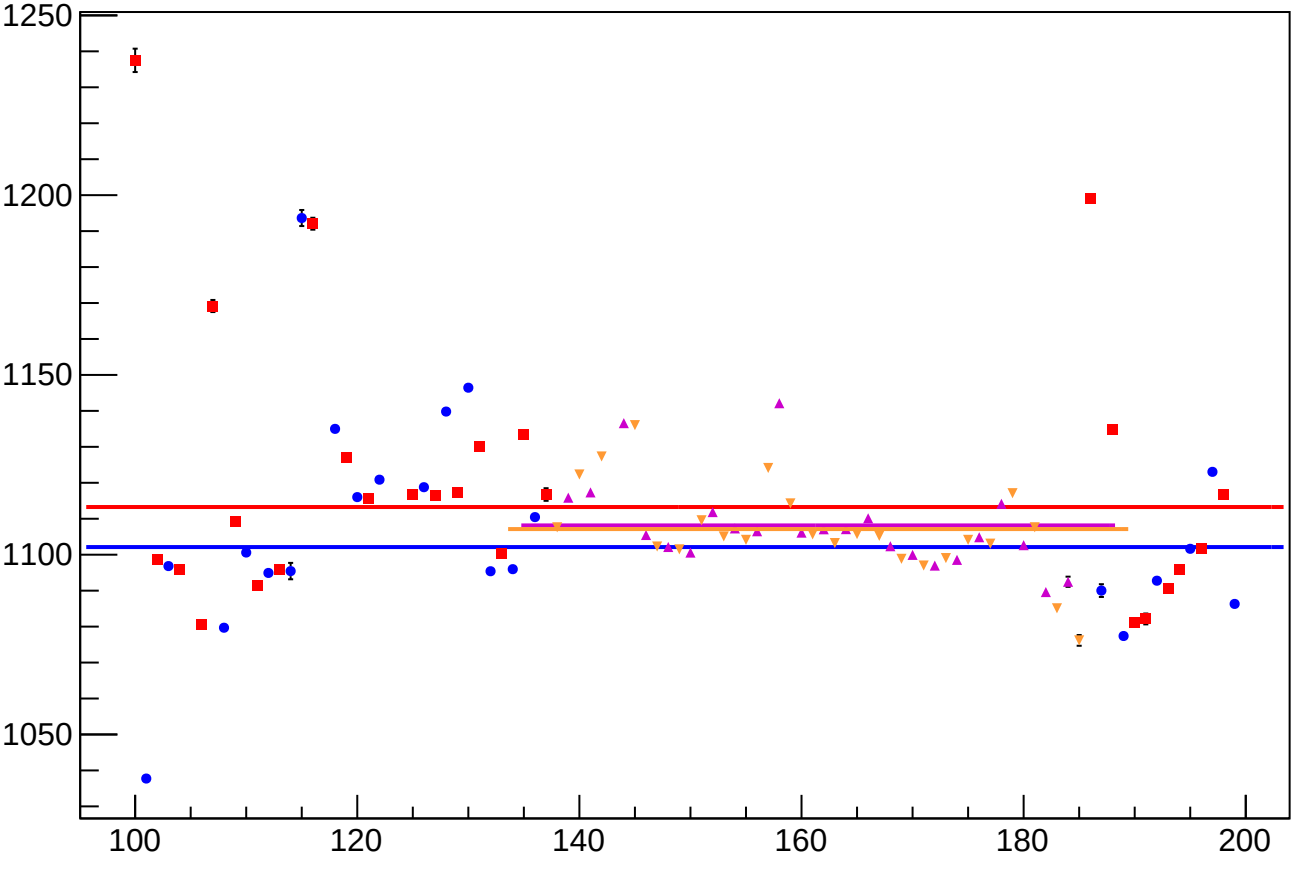
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1730.446+/-201.438 χ^2/NDF: 25.0/45

All: -143.079+/-141.681 χ^2/NDF: 235.7/94

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

dit_asym_usl_rms vs Slug



Right In: 1102.123+/-0.229 χ^2/NDF: 13165.8/21

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

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

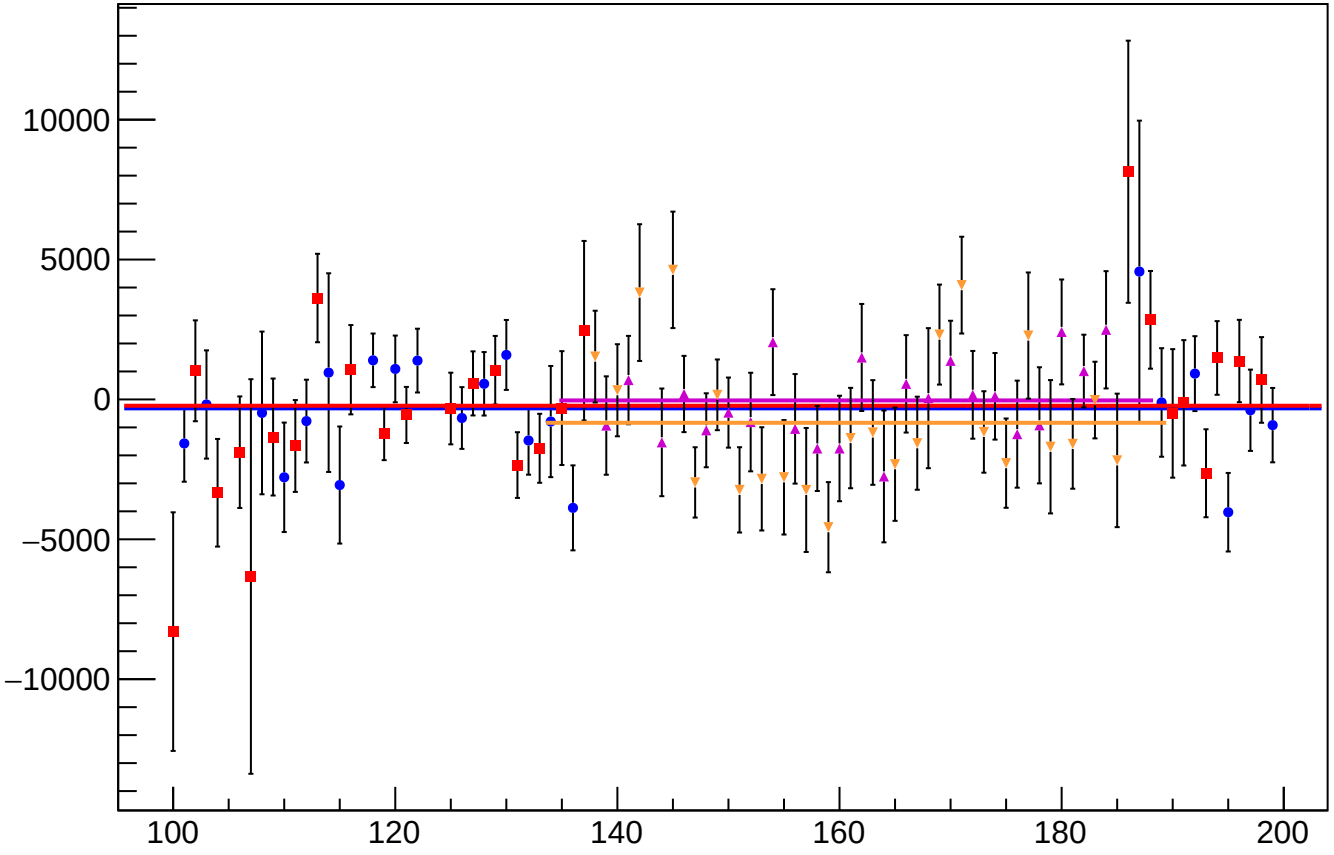
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.197+/-0.142 χ^2/NDF: 17242.0/45

All: 1107.738+/-0.100 χ^2/NDF: 36990.0/94

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

asym_usl_dit_correction_mean vs Slug



Right In: -319.085+/-308.505 χ^2/NDF: 29.6/21

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

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

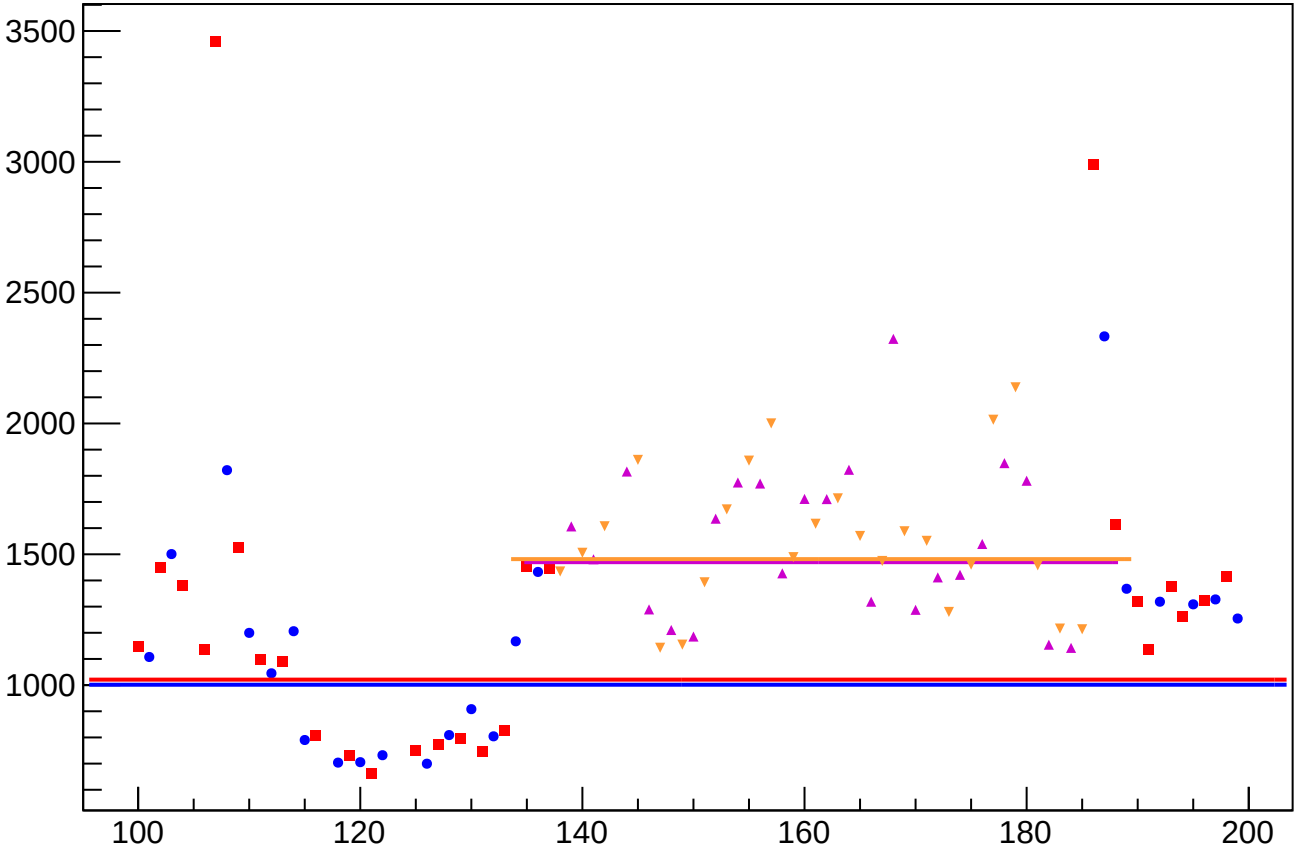
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -544.341+/-231.611 χ^2/NDF: 74.4/45

All: -342.265+/-163.086 χ^2/NDF: 125.0/94

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

asym_usl_dit_correction_rms vs Slug



Right In: 1001.515+/-0.218 χ^2/NDF: 1801581.4/21

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

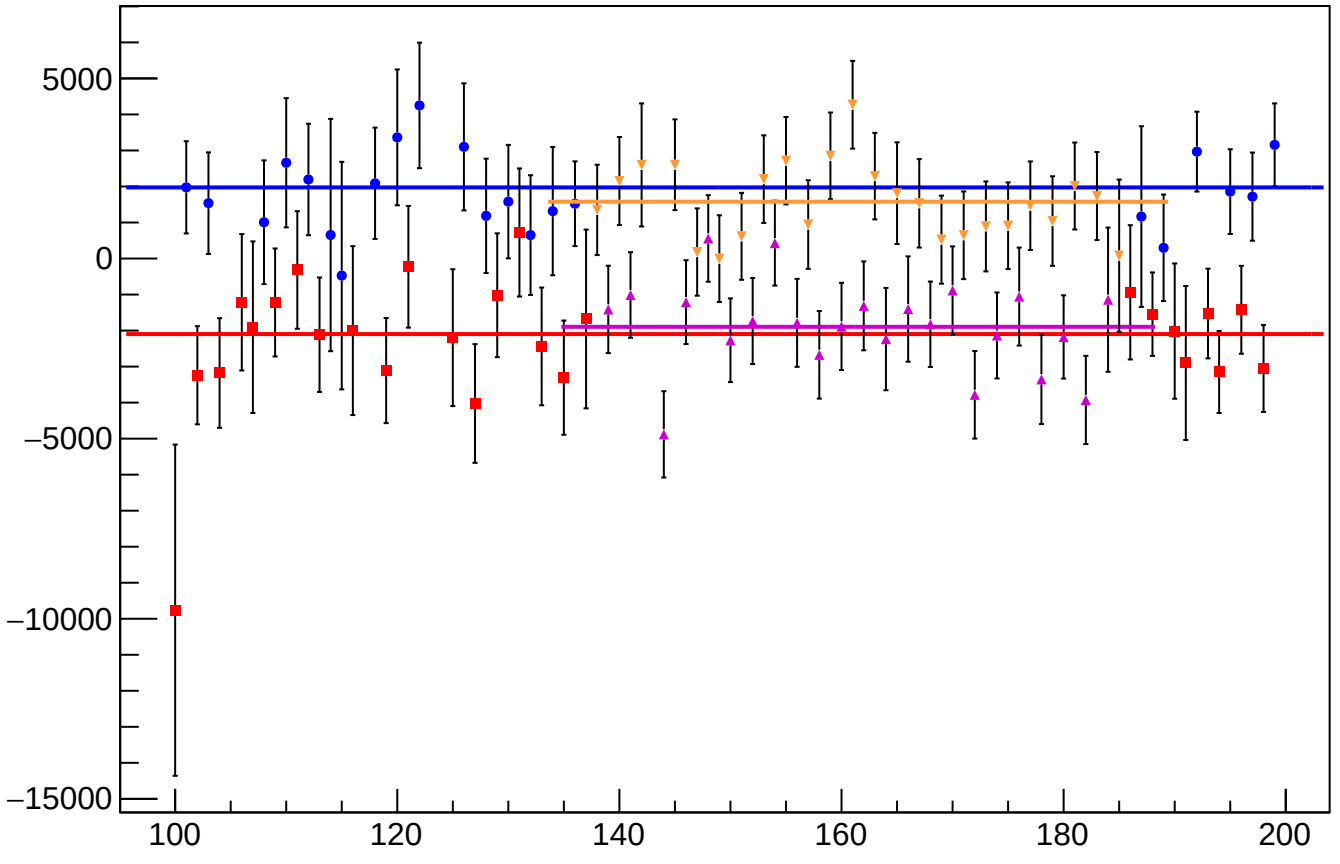
Right Out: 1020.949+/-0.215 χ^2/NDF: 2572276.2/25

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

+ sign 1210.986+/-0.164 χ^2/NDF: 4932027.9/45

All: 1212.852+/-0.115 χ^2/NDF: 10474257.4/9

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



Right In: 1974.235+/-324.368 χ^2/NDF: 8.5/21

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

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

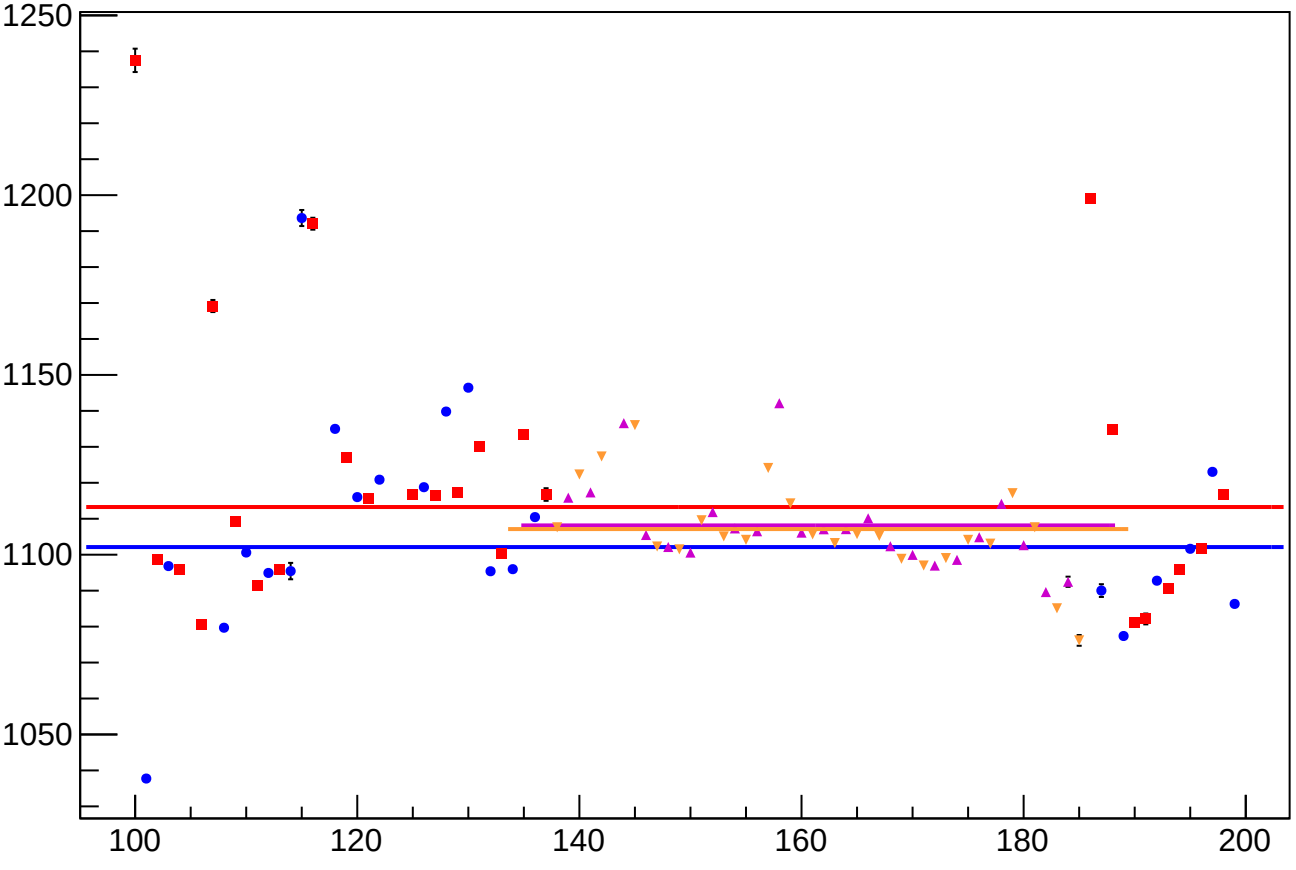
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1730.444+/-201.438 χ^2/NDF: 25.0/45

All: -143.080+/-141.681 χ^2/NDF: 235.7/94

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

eigen_dit_asym_usl_rms vs Slug



Right In: 1102.123+/-0.229 χ^2/NDF: 13165.9/21

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

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

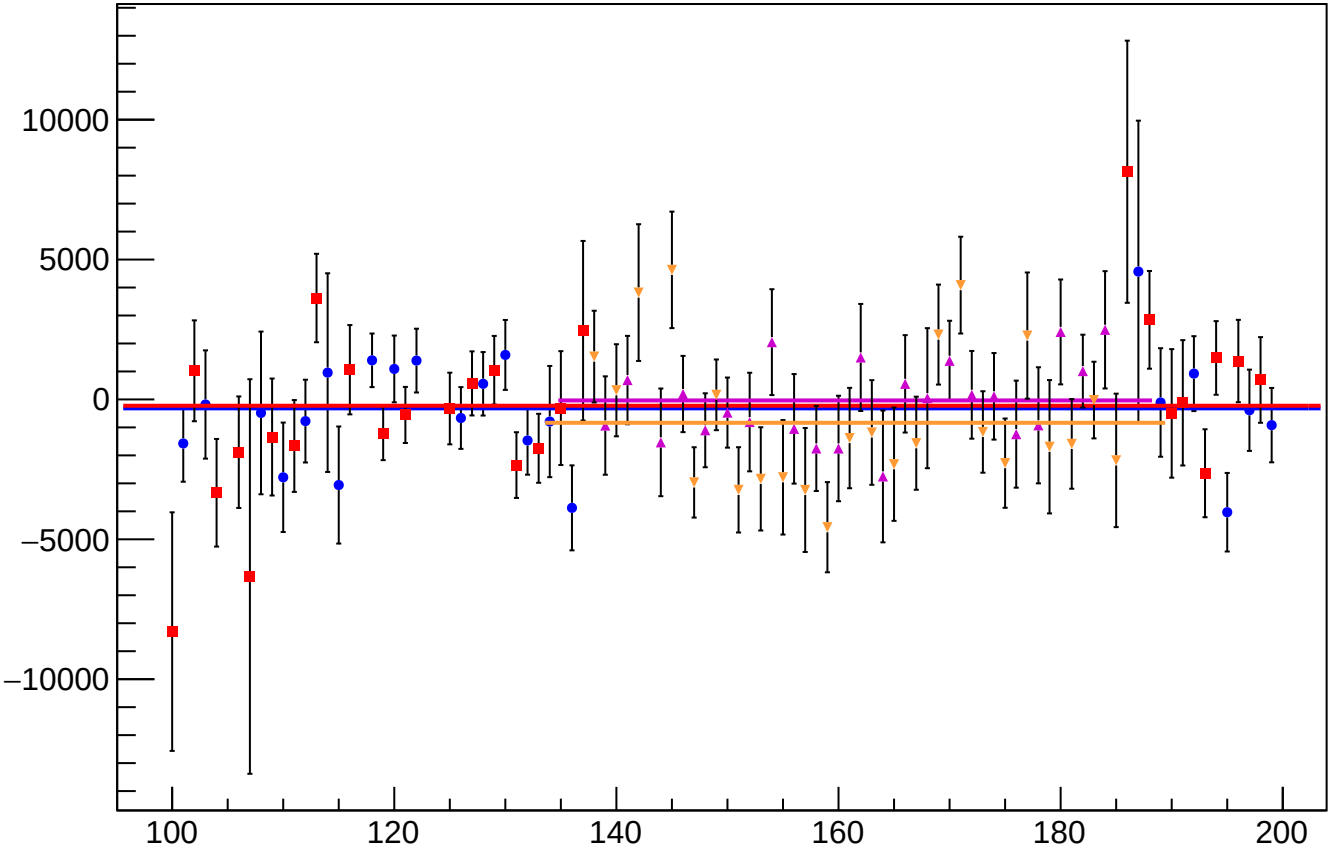
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.197+/-0.142 χ^2/NDF: 17242.0/45

All: 1107.738+/-0.100 χ^2/NDF: 36989.9/94

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

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -319.083+/-308.505 χ^2/NDF: 29.6/21

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

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

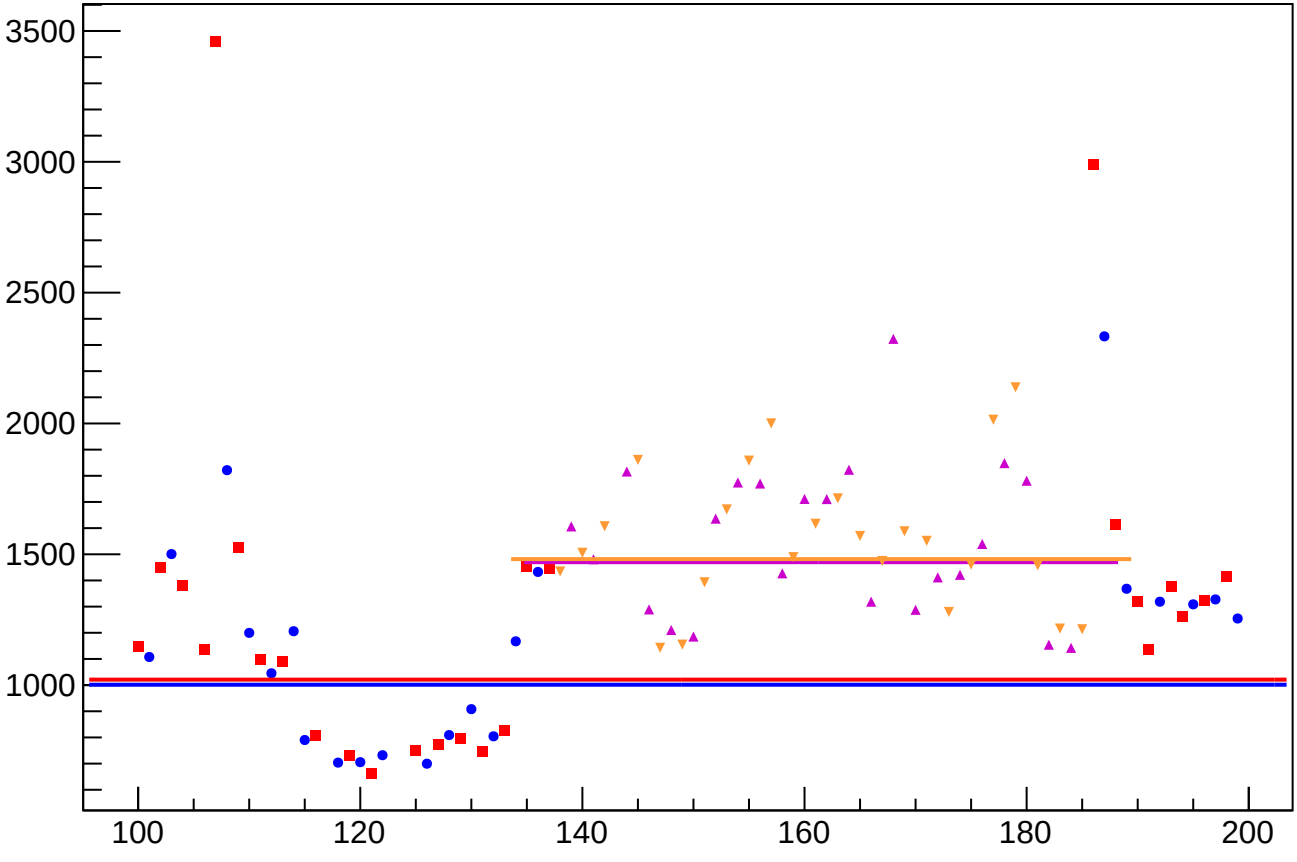
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -544.341+/-231.611 χ^2/NDF: 74.4/45

All: -342.265+/-163.086 χ^2/NDF: 125.0/94

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

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 1001.513+/-0.218 χ^2/NDF: 1801592.8/21

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

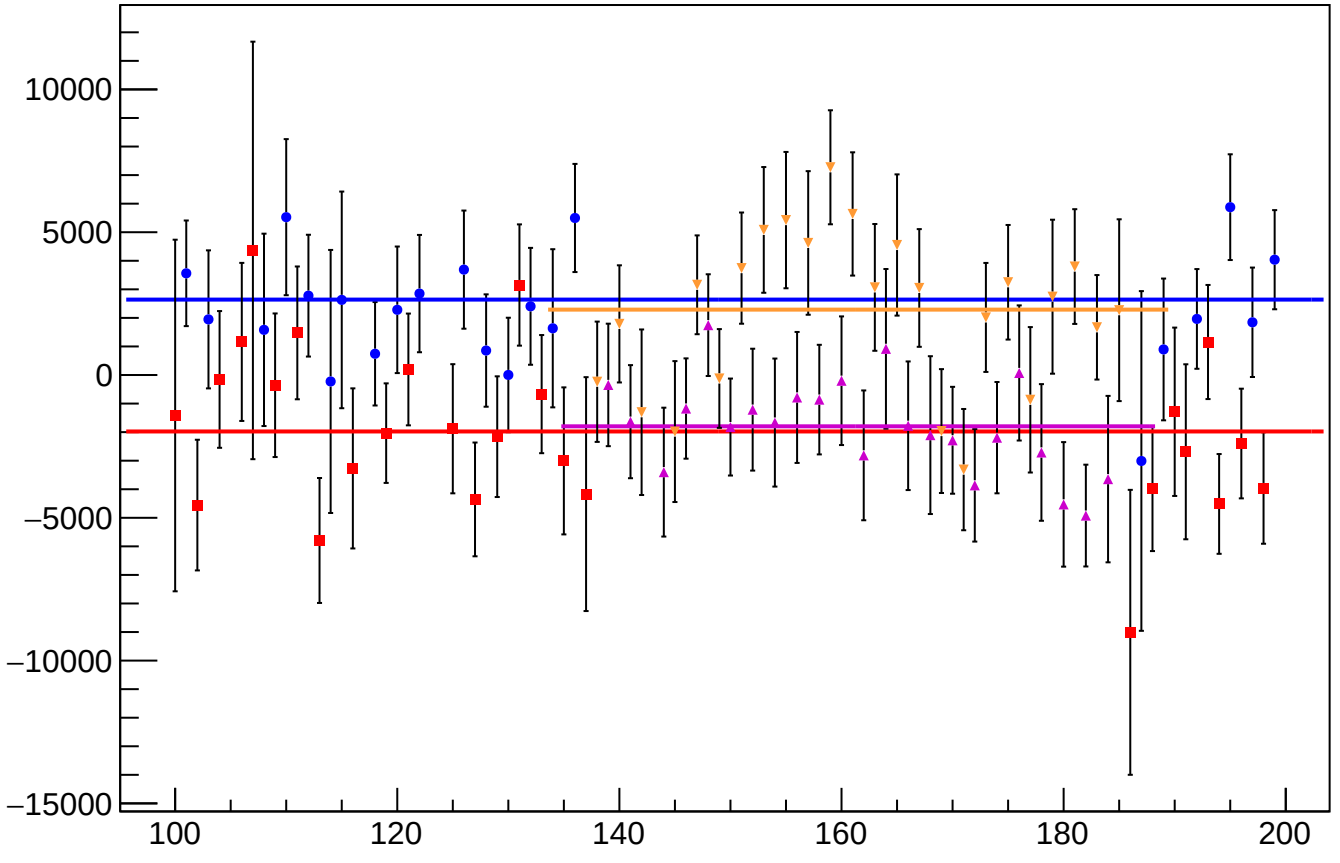
Right Out: 1020.947+/-0.215 χ^2/NDF: 2572288.8/25

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

+ sign 1210.985+/-0.164 χ^2/NDF: 4932065.4/45

All: 1212.851+/-0.115 χ^2/NDF: 10474333.6/9

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



Right In: 2640.804+/-467.685 χ^2/NDF: 13.7/21

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

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

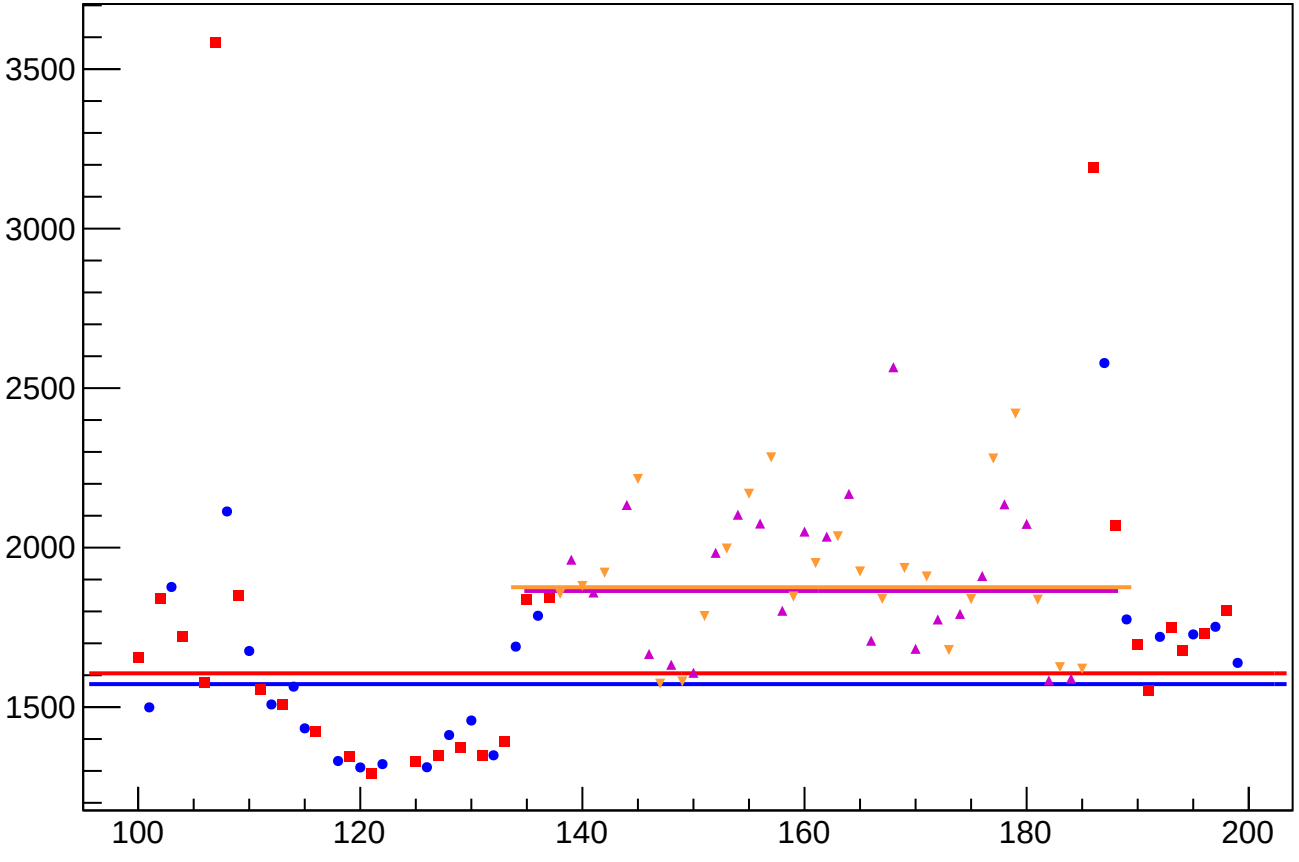
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2454.286+/-320.208 χ^2/NDF: 50.1/45

All: 267.727+/-225.467 χ^2/NDF: 184.6/94

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

asym_usl_rms vs Slug



Right In: 1572.120+/-0.331 χ^2/NDF: 411032.4/21

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

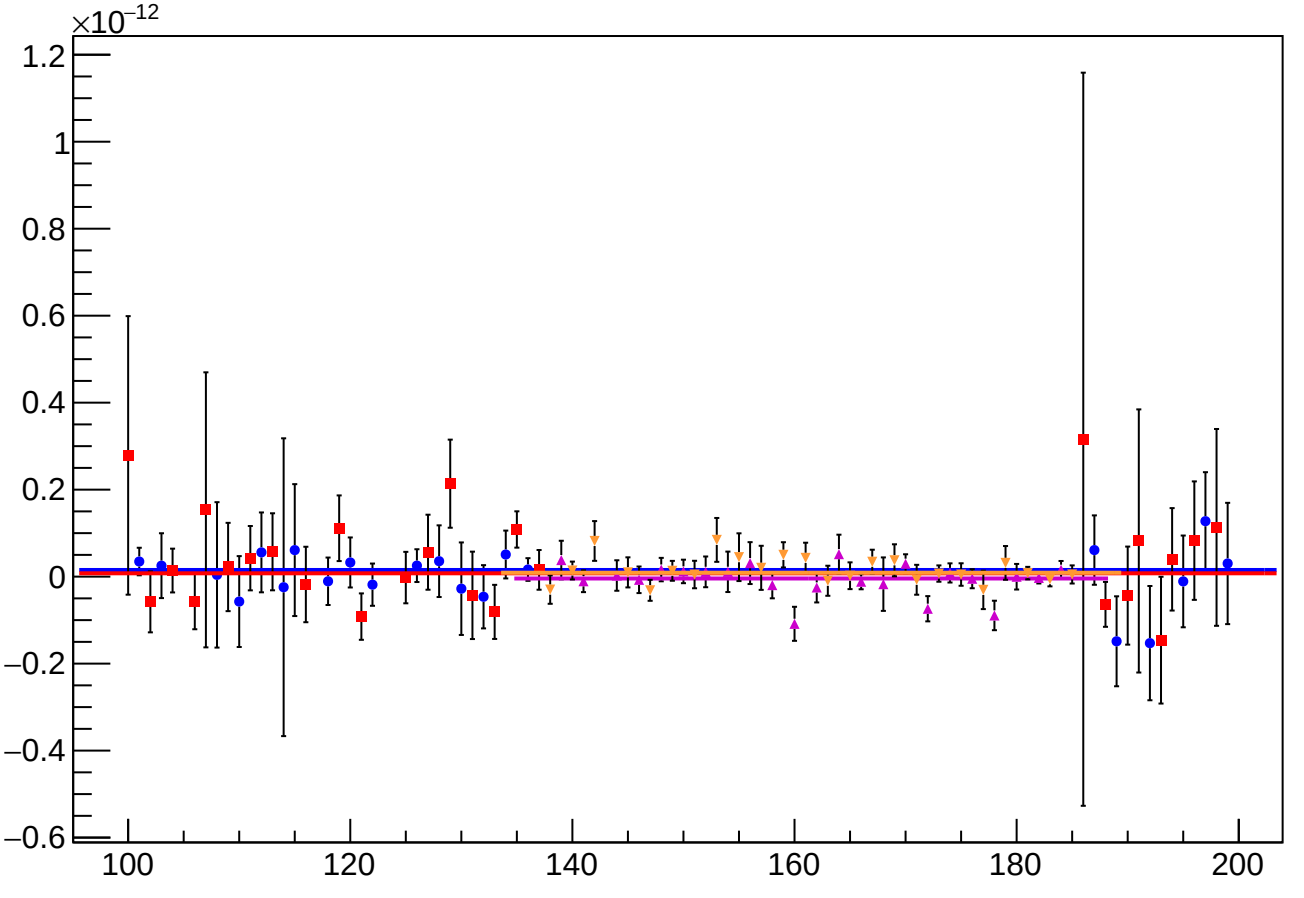
Right Out: 1605.942+/-0.325 χ^2/NDF: 800386.1/25

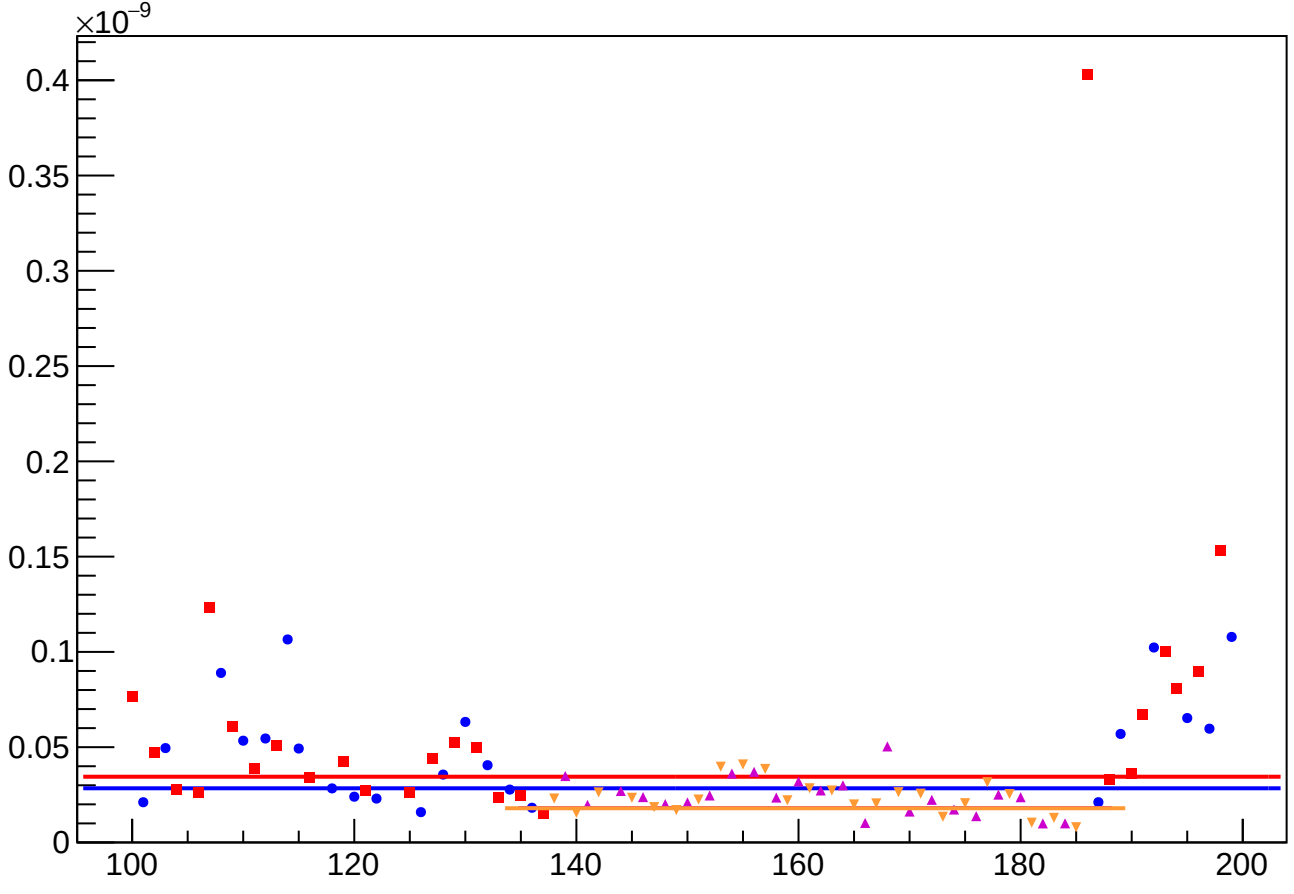
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1733.455+/-0.226 χ^2/NDF: 1331605.2/45

All: 1737.231+/-0.159 χ^2/NDF: 2973120.8/94

- 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: 9.0/21
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: 25.7/45
All: 0.000+/-0.000 χ²/NDF: 83.1/94
- sign -0.000+/-0.000 χ²/NDF: 54.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 3646823.4/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3306014.1/25

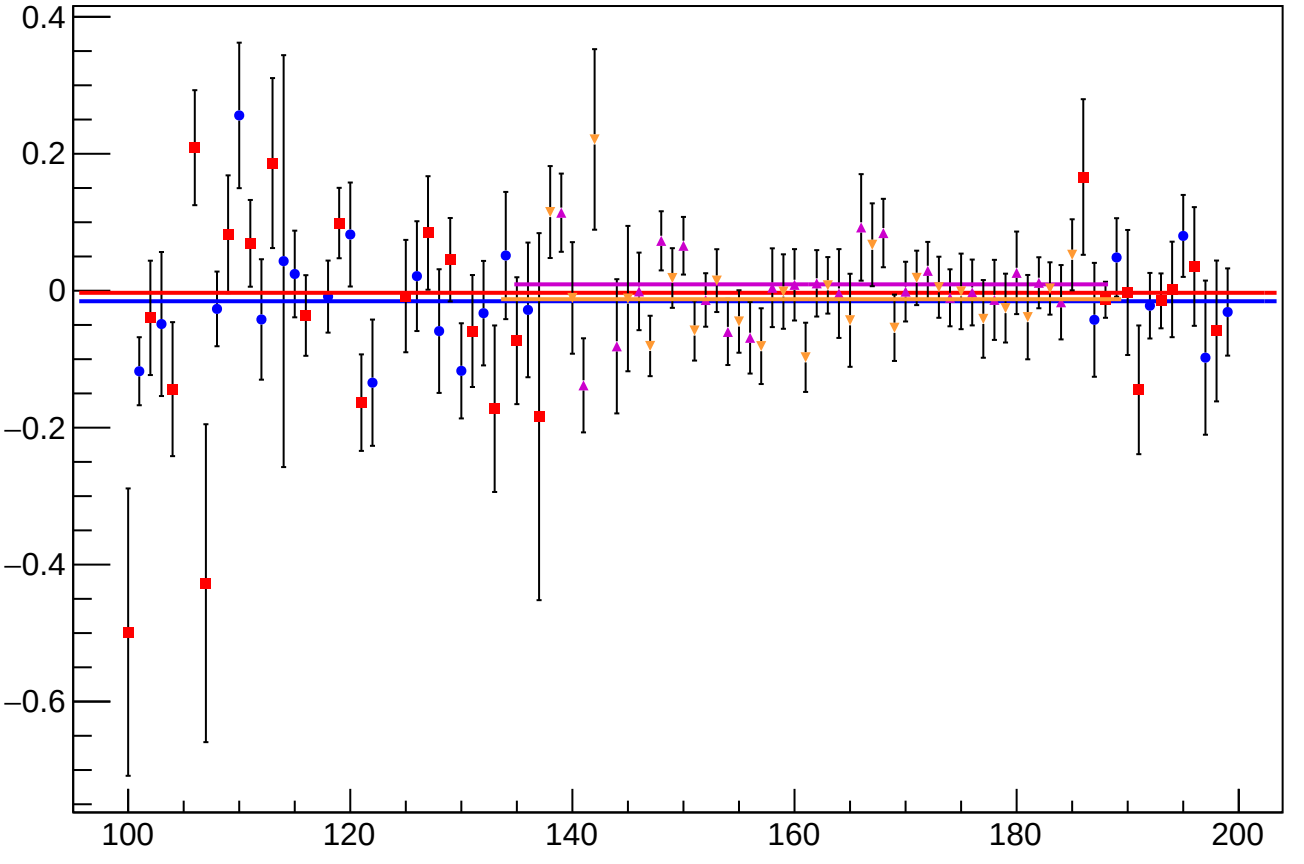
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8253517.2/45

All: 0.000+/-0.000 χ^2/NDF: 17897018.5/94

- sign 0.000+/-0.000 χ^2/NDF: 9634077.1/48

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

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

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

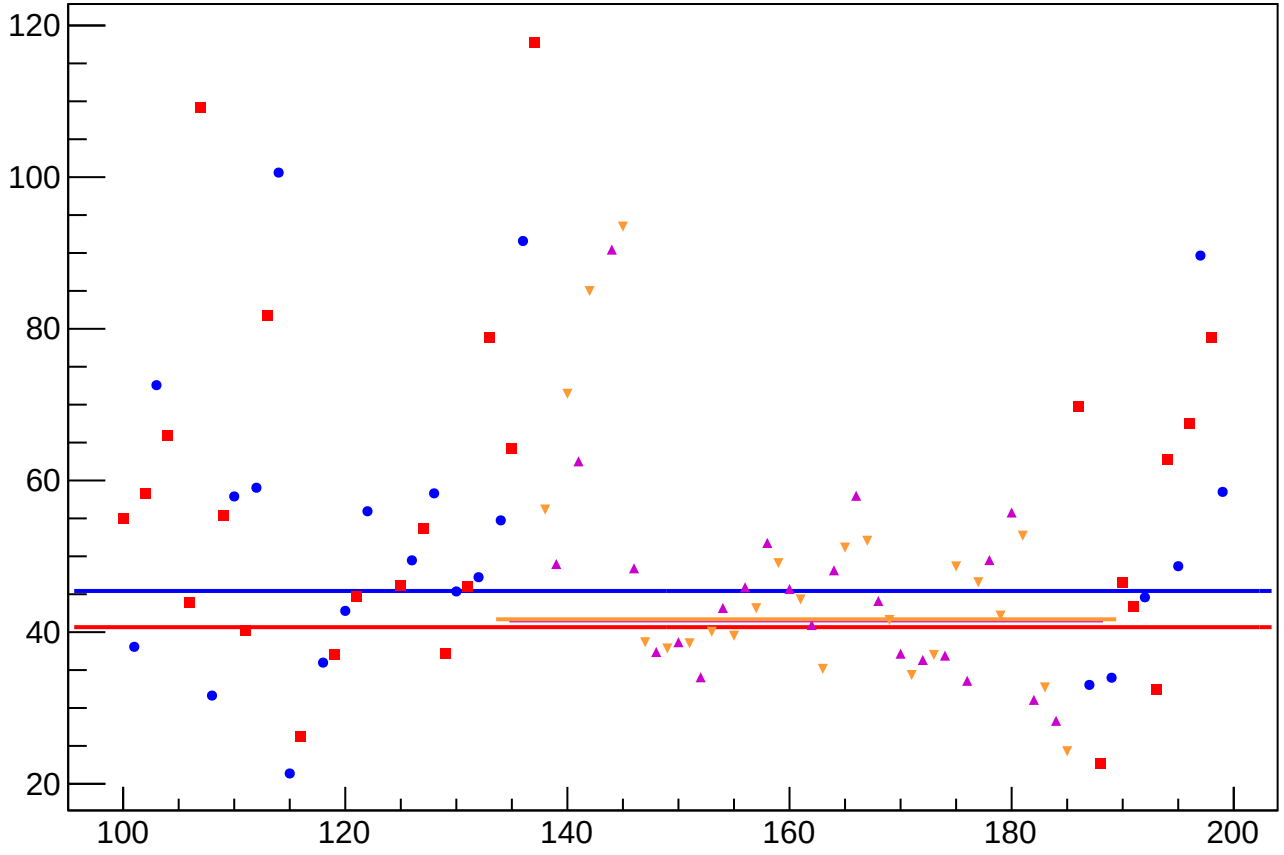
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.4/45

All: -0.004+/-0.006 χ^2/NDF: 111.1/94

- sign 0.005+/-0.008 χ^2/NDF: 64.4/48

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 45.431+/-0.011 χ^2/NDF: 1860787.9/21

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

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

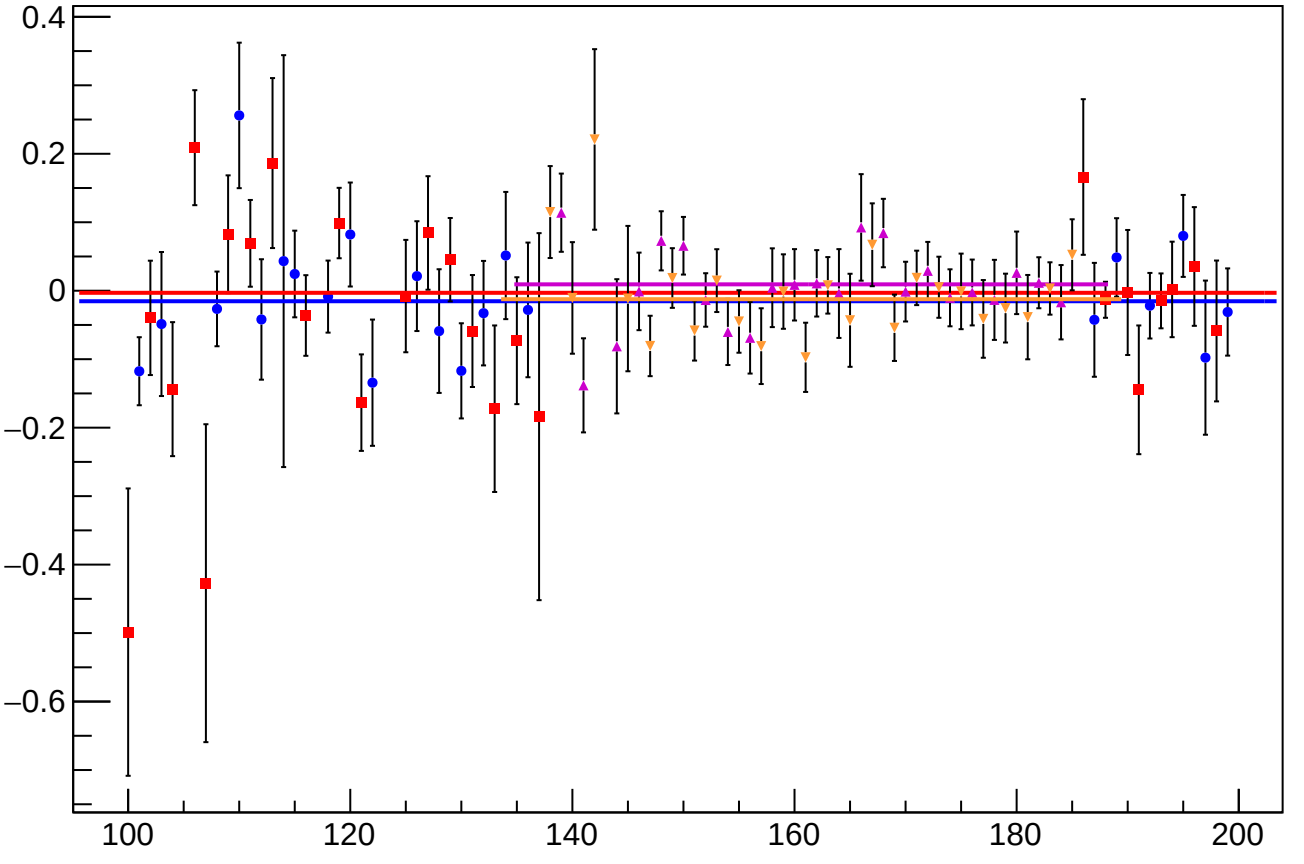
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.901+/-0.006 χ^2/NDF: 3764452.8/45

All: 42.023+/-0.004 χ^2/NDF: 8635704.2/94

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

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

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

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

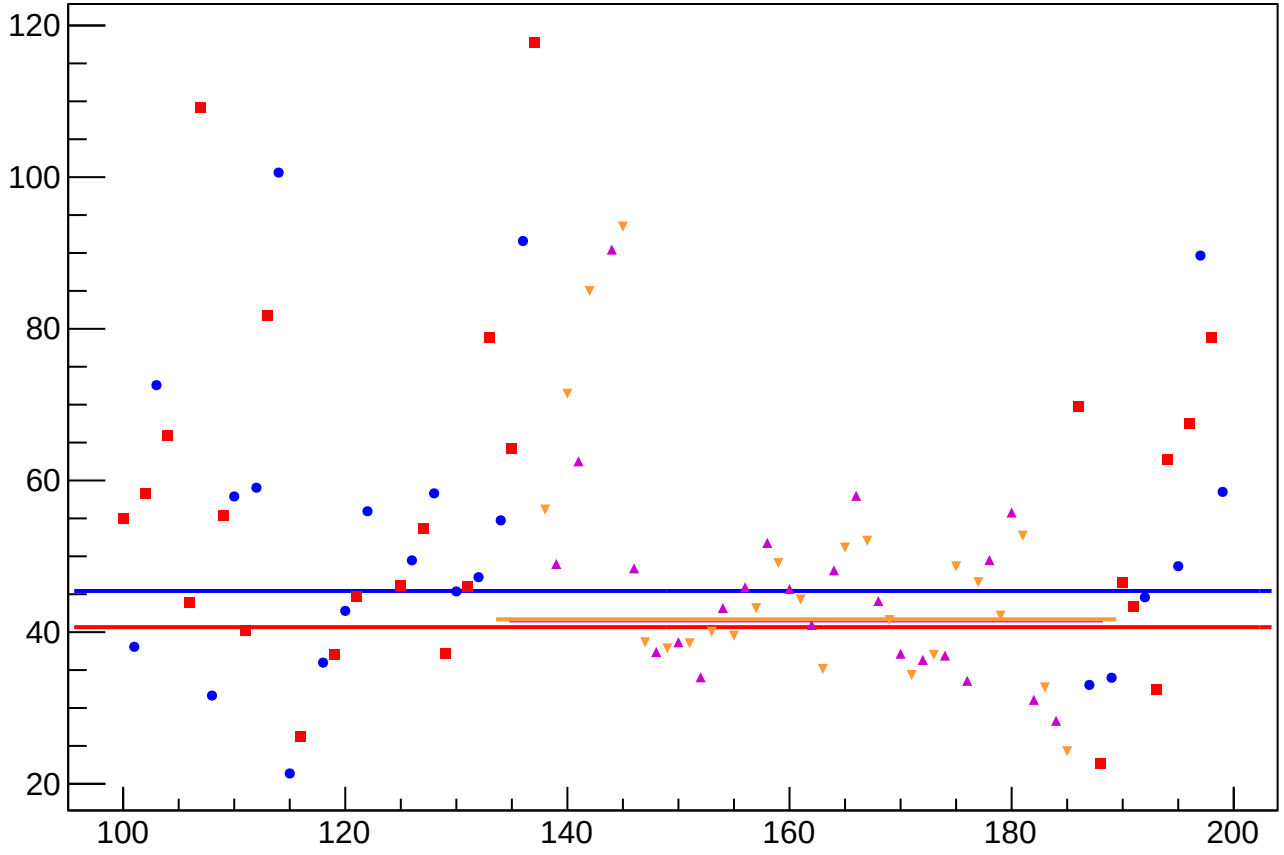
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.4/45

All: -0.004+/-0.006 χ^2/NDF: 111.1/94

- sign 0.005+/-0.008 χ^2/NDF: 64.4/48

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.431+/-0.011 χ^2/NDF: 1860787.9/21

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

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

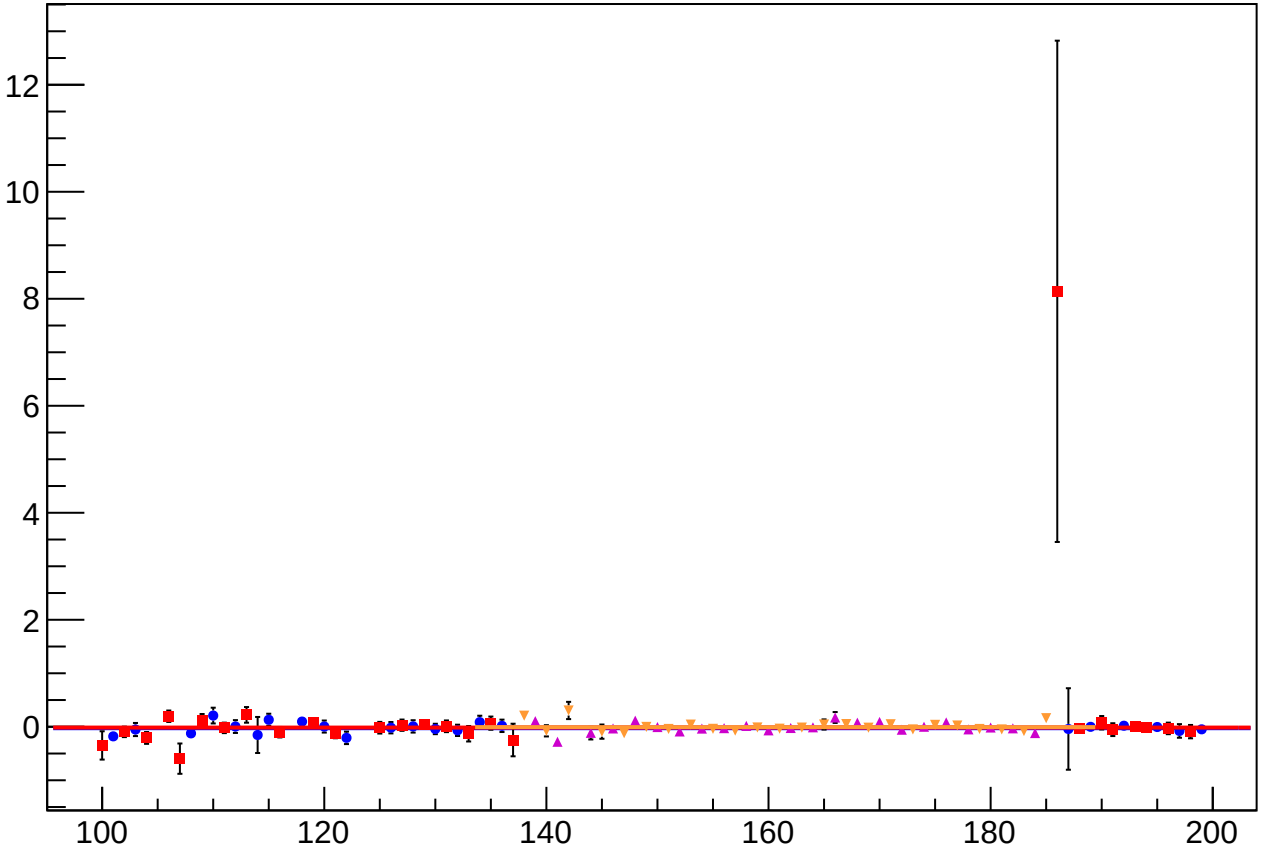
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.901+/-0.006 χ^2/NDF: 3764452.8/45

All: 42.023+/-0.004 χ^2/NDF: 8635704.2/94

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

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.027+/-0.021 χ^2/NDF: 18.5/21

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.015+/-0.020 χ^2/NDF: 27.2/25

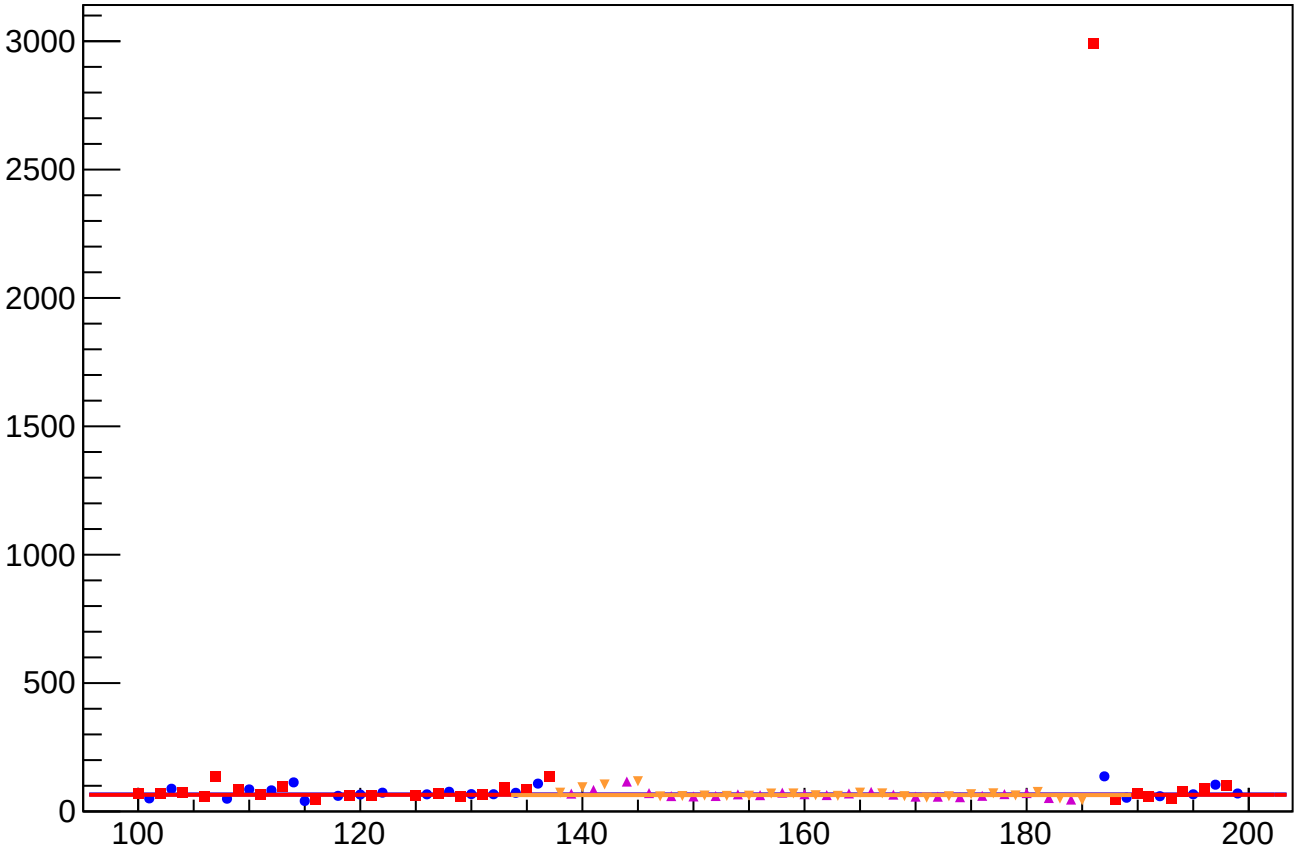
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.012 χ^2/NDF: 42.7/45

All: -0.012+/-0.009 χ^2/NDF: 98.2/94

- sign -0.010+/-0.012 χ^2/NDF: 55.5/48

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.227+/-0.015 χ^2/NDF: 1039829.0/21

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 64.811+/-0.014 χ^2/NDF: 2161613.0/25

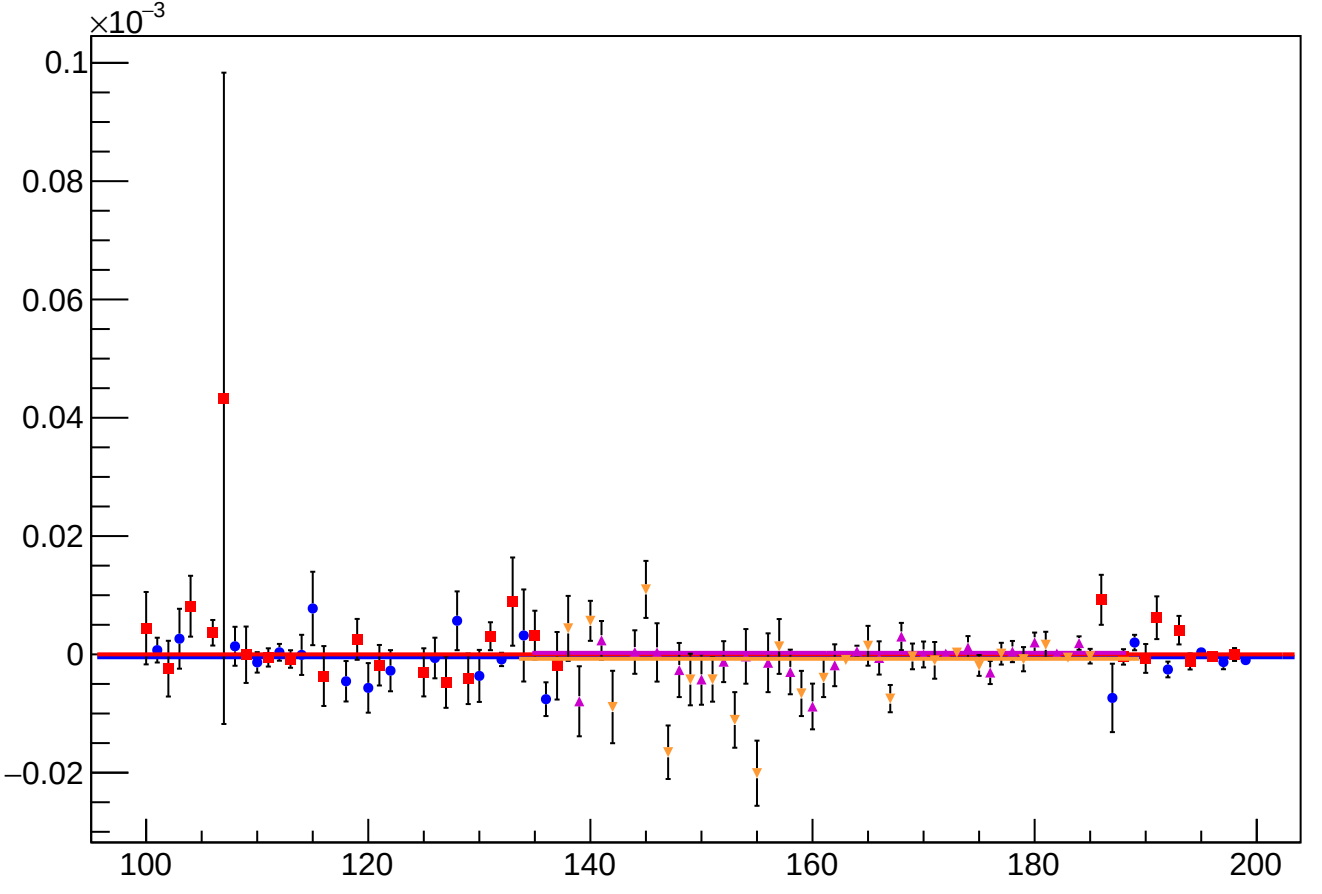
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.628+/-0.009 χ^2/NDF: 2136178.9/45

All: 64.474+/-0.006 χ^2/NDF: 5139051.1/94

- 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: 26.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/25

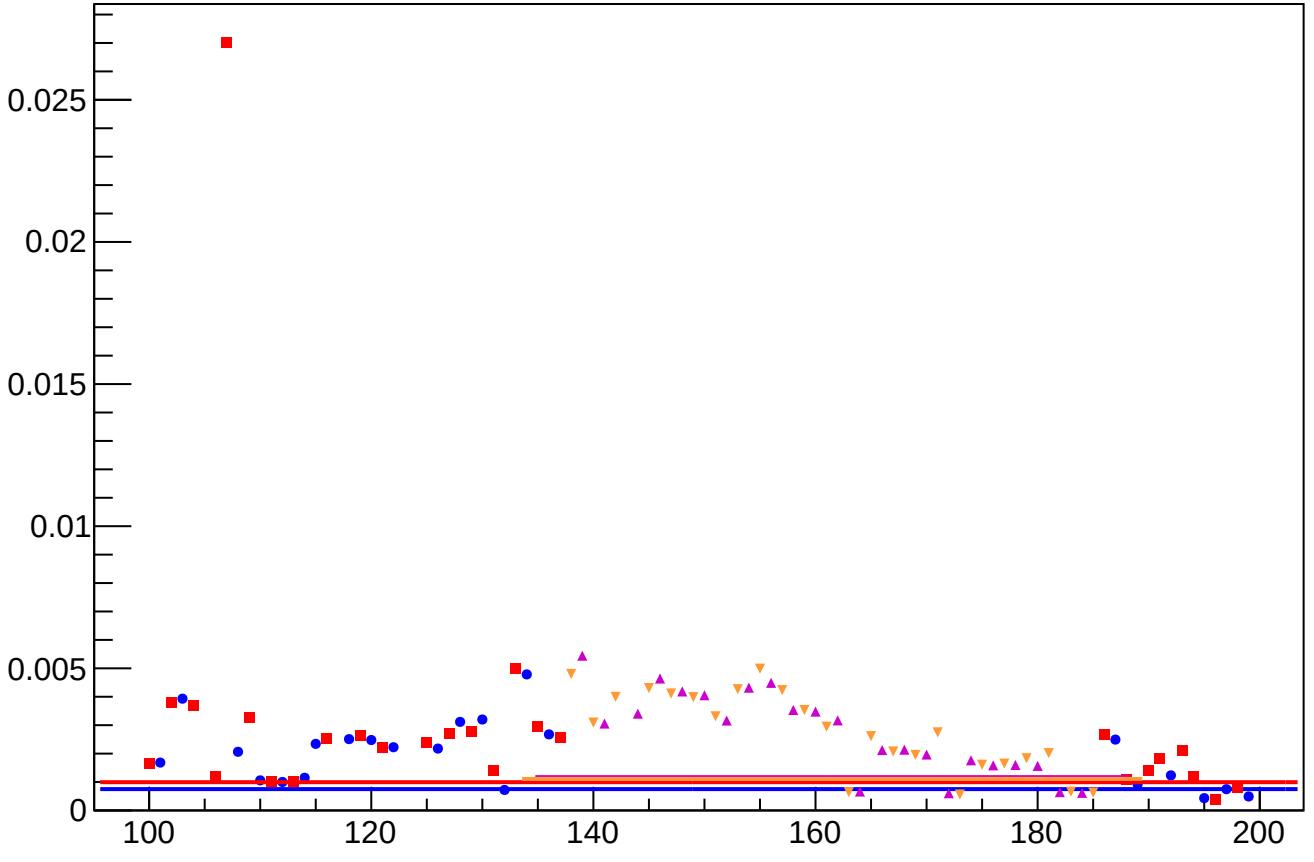
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

\+ sign -0.000+/-0.000 χ^2/NDF: 87.1/45

All: -0.000+/-0.000 χ^2/NDF: 137.9/94

\- 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: 7635080.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 8305963.0/25

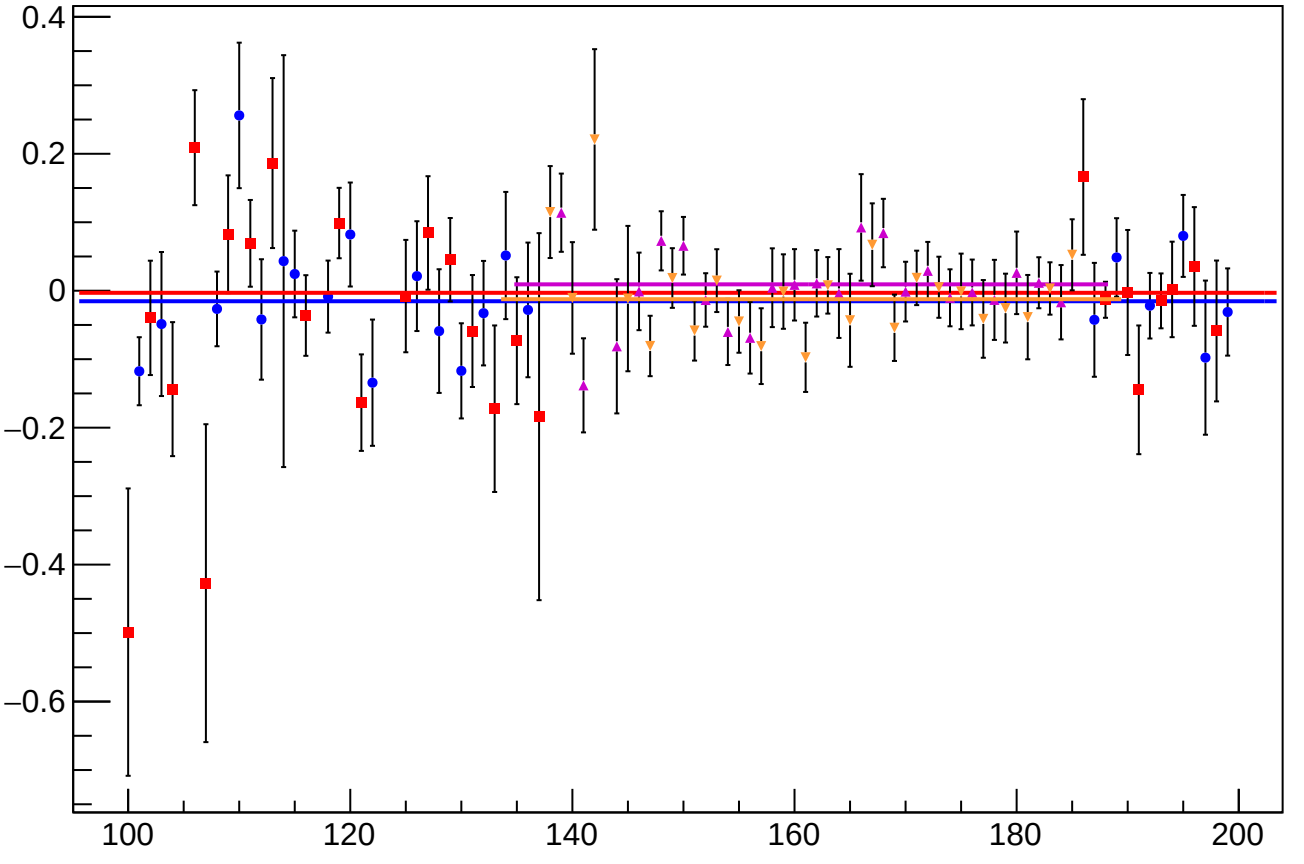
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 24079247.9/45

All: 0.001+/-0.000 χ^2/NDF: 47480828.1/94

- sign 0.001+/-0.000 χ^2/NDF: 22796276.2/48

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

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

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

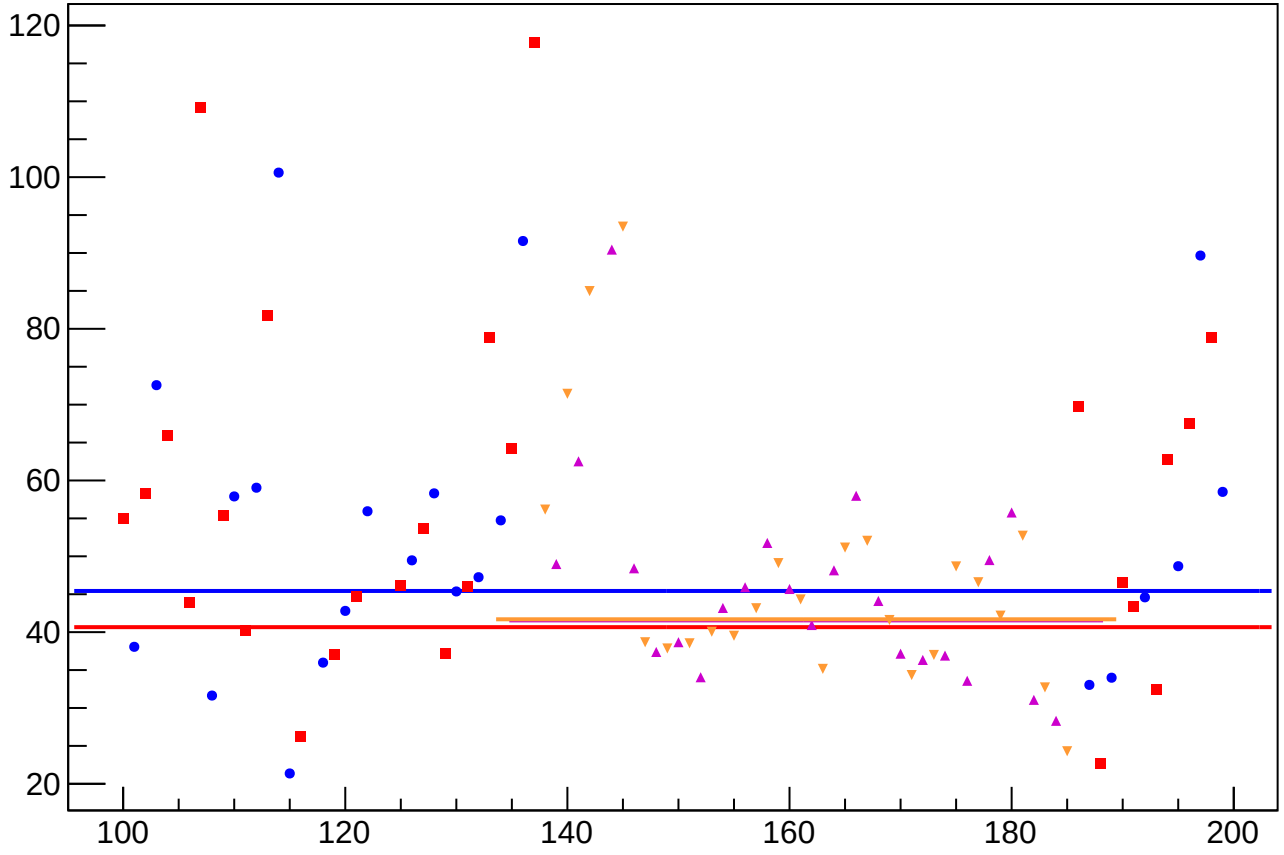
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.4/45

All: -0.004+/-0.006 χ^2/NDF: 111.1/94

- sign 0.005+/-0.008 χ^2/NDF: 64.4/48

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.431+/-0.011 χ^2/NDF: 1860866.3/21

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

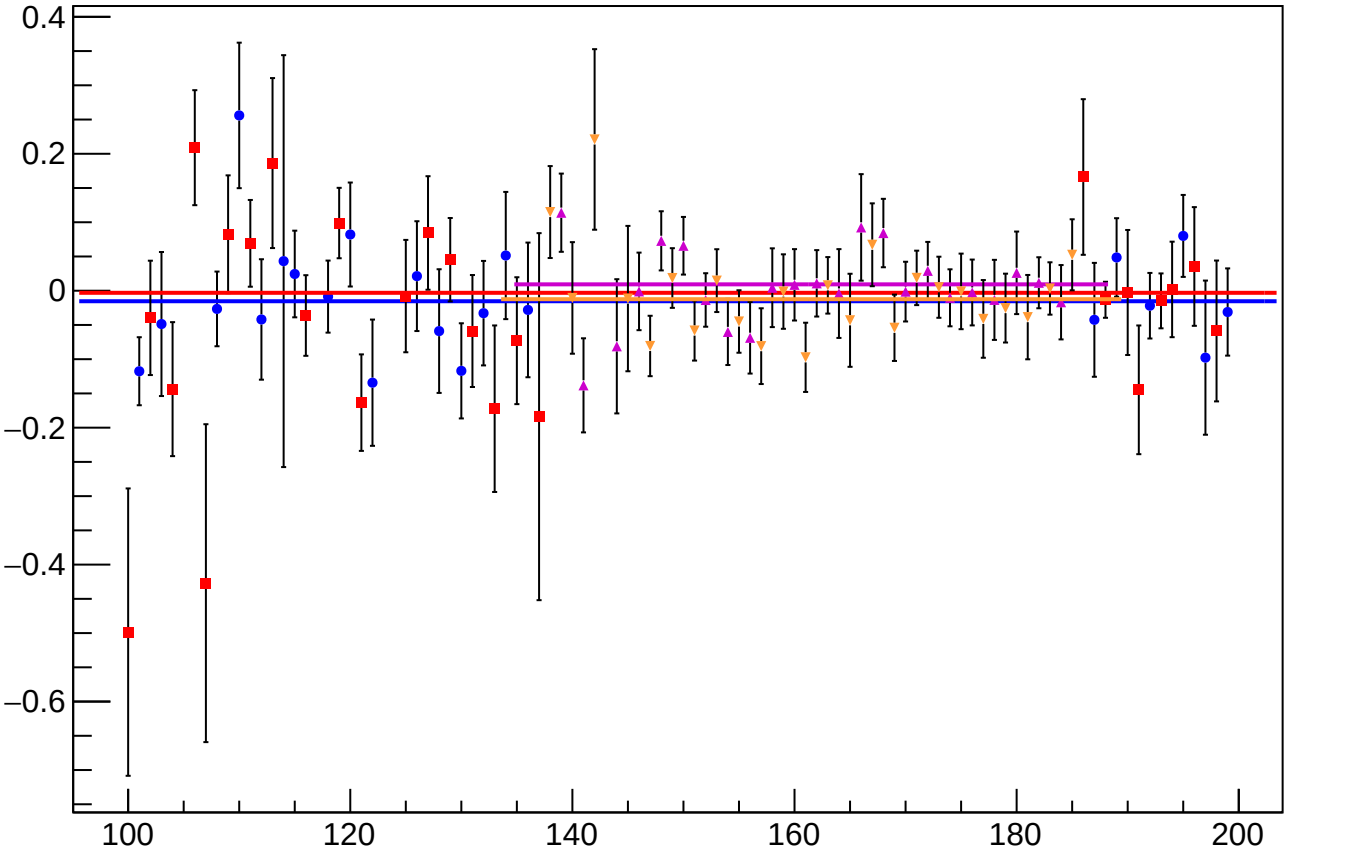
Right Out: 40.658+/-0.010 χ^2/NDF: 3212984.2/25

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

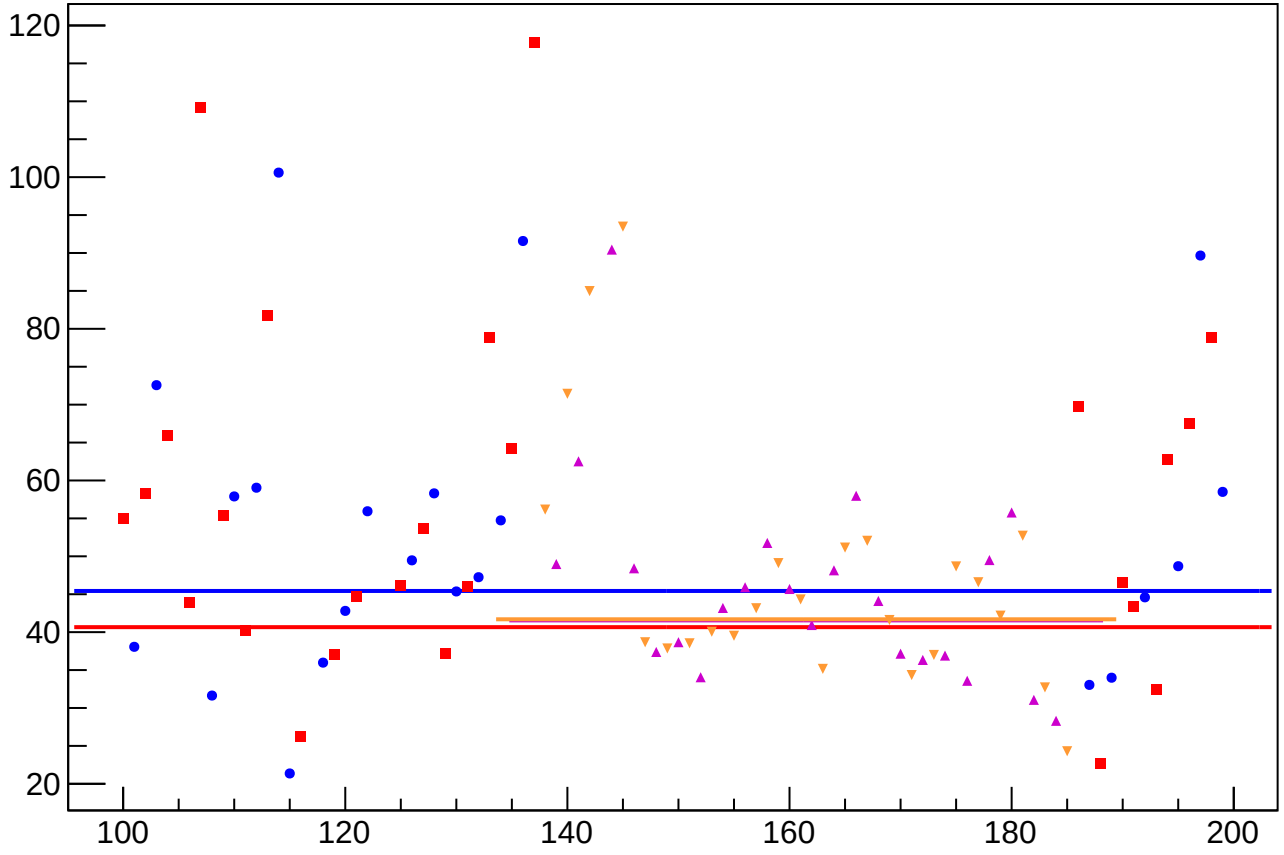
+ sign 42.900+/-0.006 χ^2/NDF: 3764462.5/45

All: 42.023+/-0.004 χ^2/NDF: 8635474.8/94

- 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: -0.015+/-0.015 χ²/NDF: 22.4/21
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: 44.4/45
All: -0.004+/-0.006 χ²/NDF: 111.1/94
- sign 0.005+/-0.008 χ²/NDF: 64.4/48

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.431+/-0.011 χ^2/NDF: 1860866.3/21

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 40.658+/-0.010 χ^2/NDF: 3212984.2/25

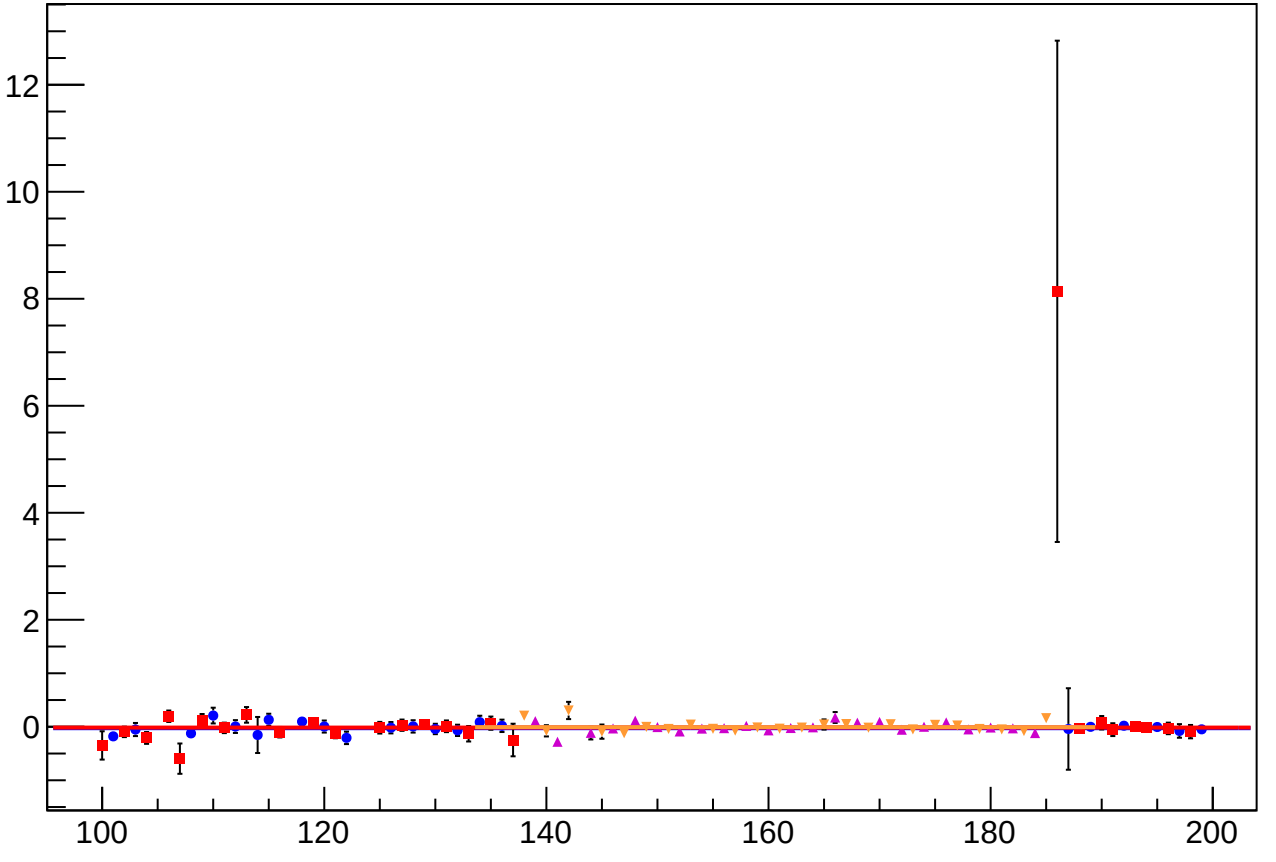
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.900+/-0.006 χ^2/NDF: 3764462.5/45

All: 42.023+/-0.004 χ^2/NDF: 8635474.8/94

- sign 41.216+/-0.006 χ^2/NDF: 4831366.4/48

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.027+/-0.021 χ^2/NDF: 18.5/21

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.015+/-0.020 χ^2/NDF: 27.2/25

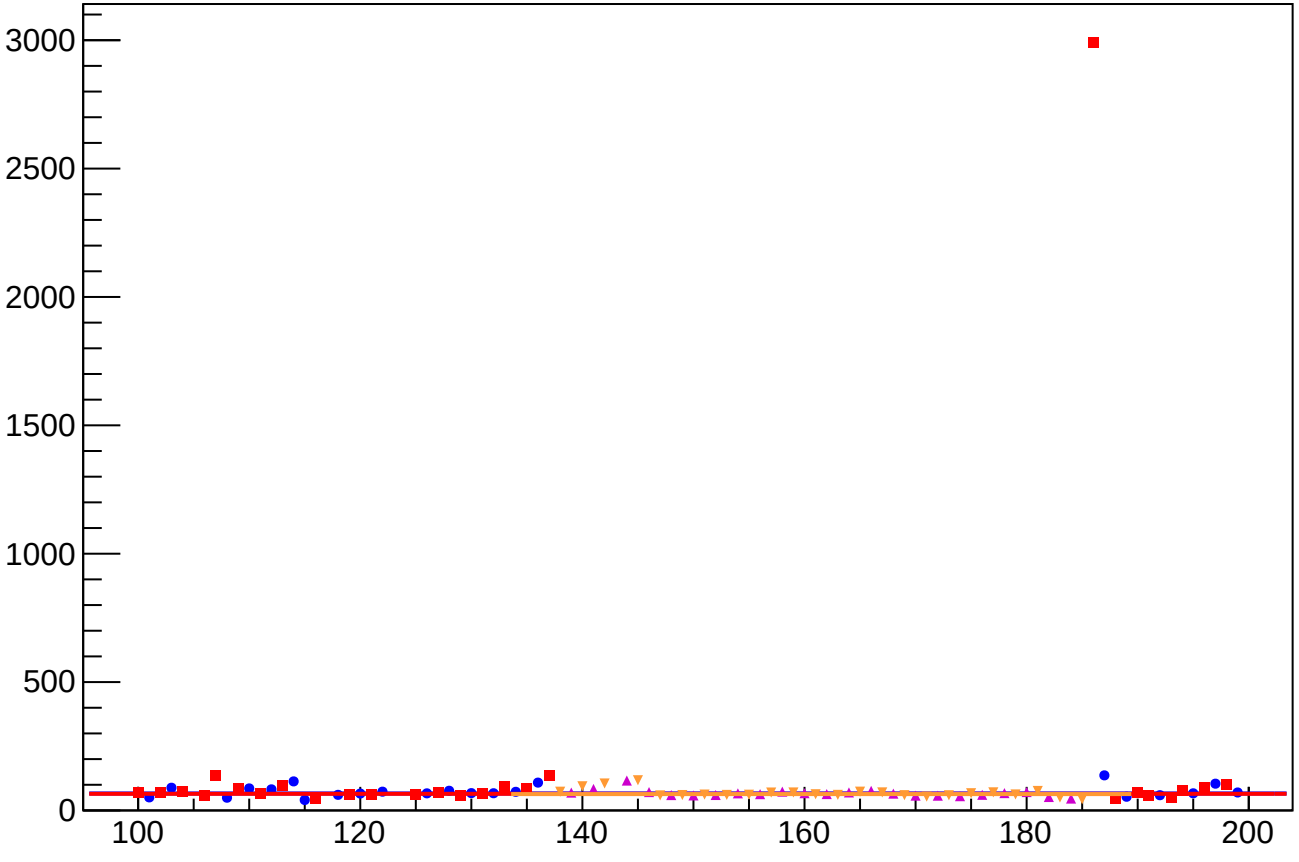
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.012 χ^2/NDF: 42.7/45

All: -0.012+/-0.009 χ^2/NDF: 98.2/94

- sign -0.010+/-0.012 χ^2/NDF: 55.5/48

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.227+/-0.015 χ^2/NDF: 1039842.1/21

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

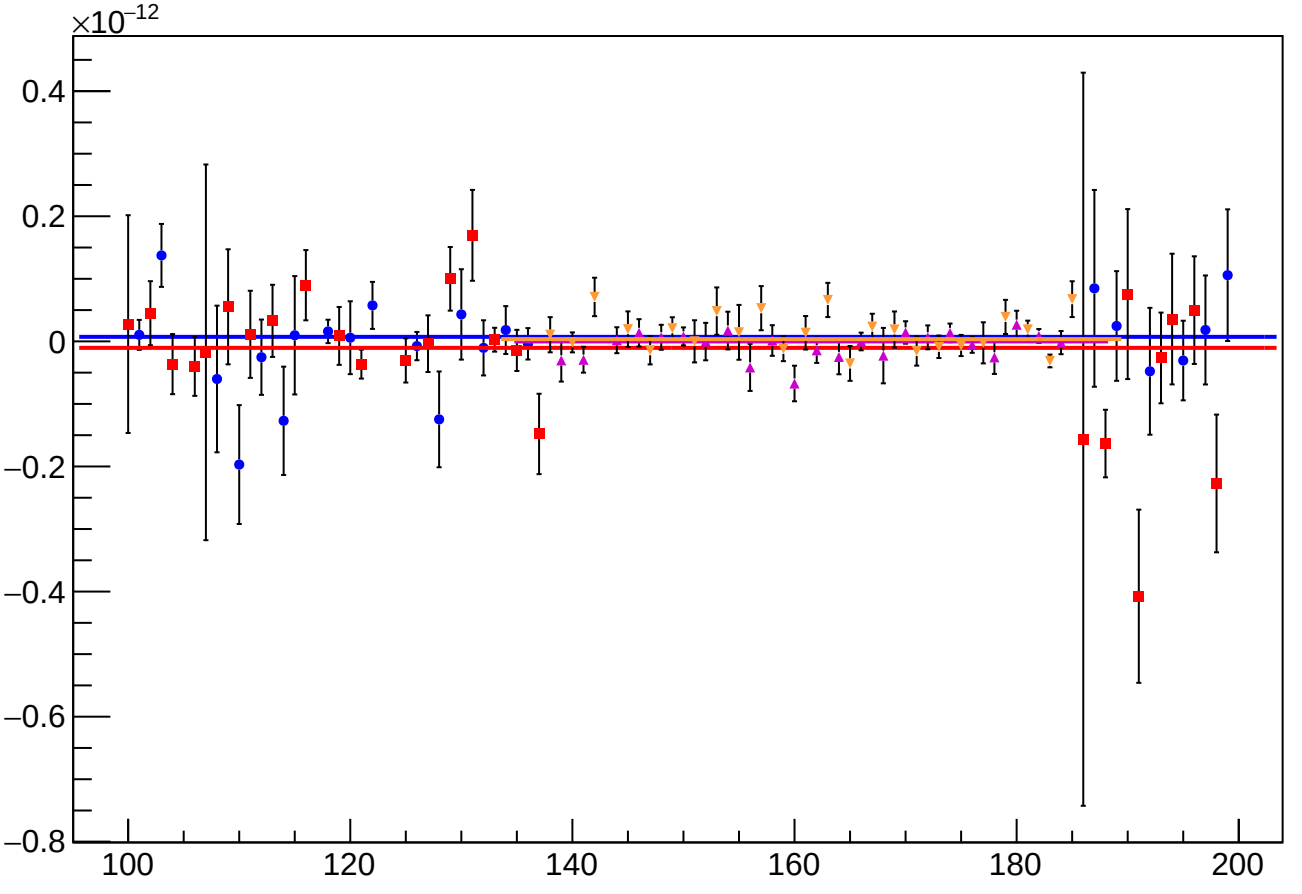
Right Out: 64.811+/-0.014 χ^2/NDF: 2161592.3/25

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.628+/-0.009 χ^2/NDF: 2136173.8/45

All: 64.474+/-0.006 χ^2/NDF: 5139017.9/94

- sign 64.325+/-0.009 χ^2/NDF: 3002241.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/25

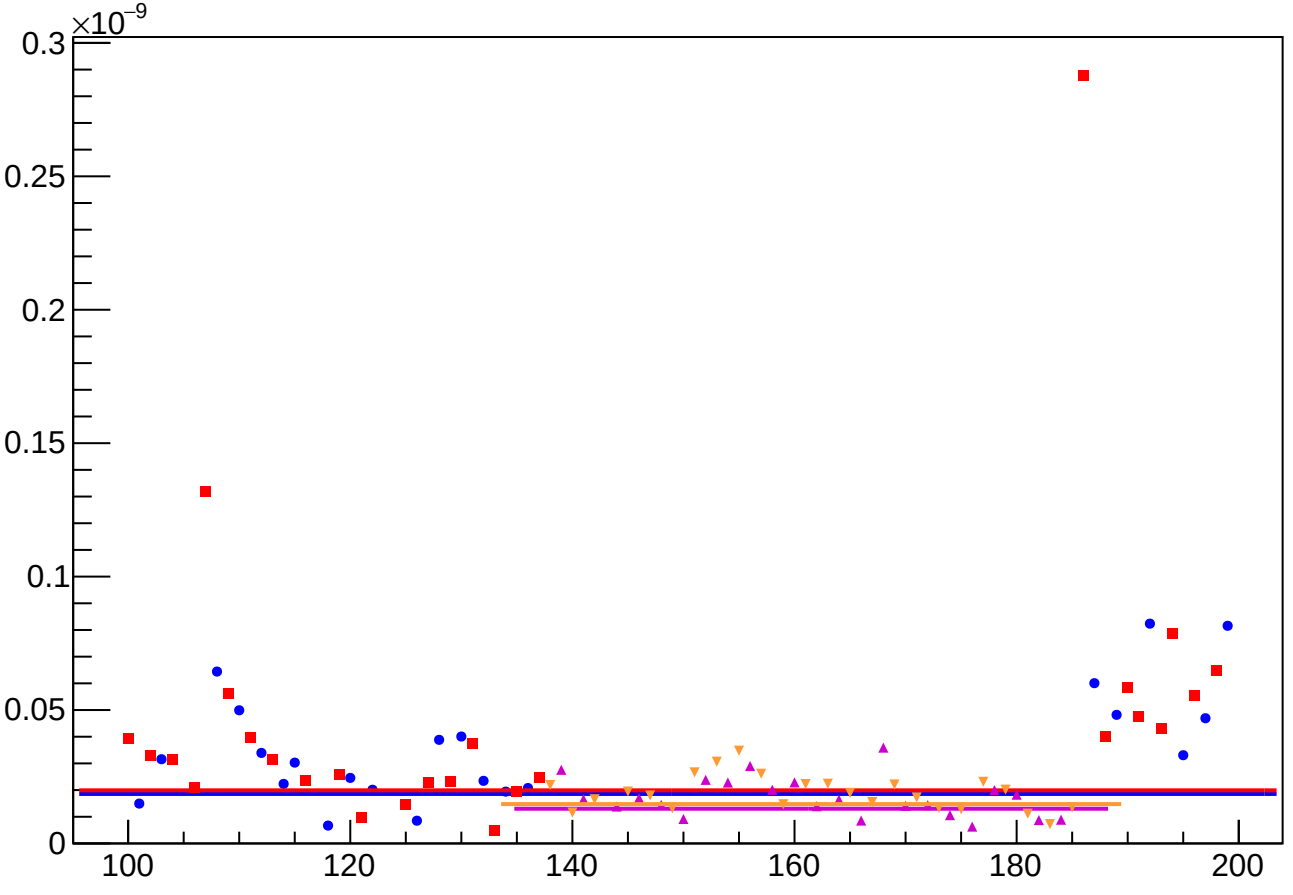
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.0/45

All: 0.000+/-0.000 χ^2/NDF: 127.6/94

- 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: 4642694.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5397859.7/25

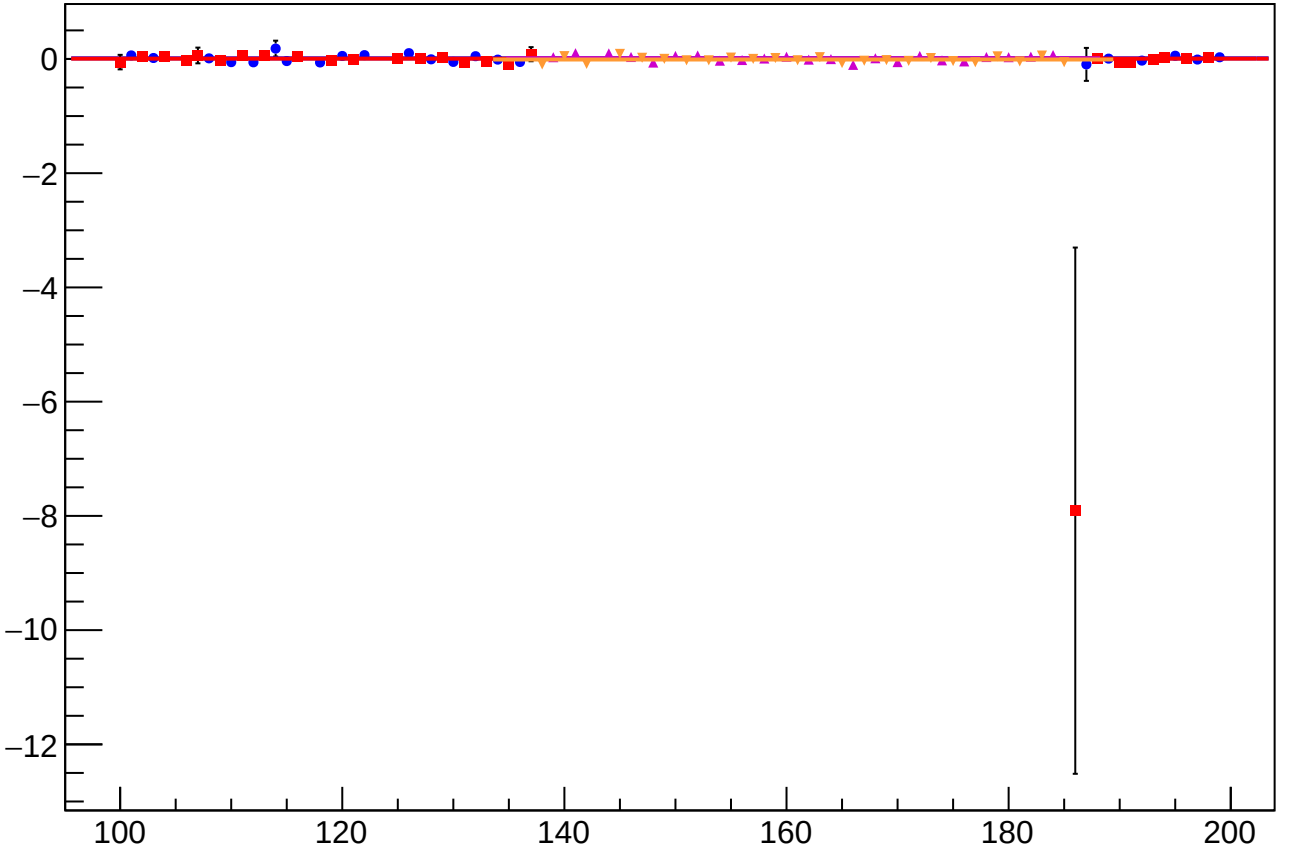
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8467207.5/45

All: 0.000+/-0.000 χ^2/NDF: 18832099.9/94

- sign 0.000+/-0.000 χ^2/NDF: 10231459.8/48

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.011 χ^2/NDF: 18.4/21

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.005+/-0.010 χ^2/NDF: 16.4/25

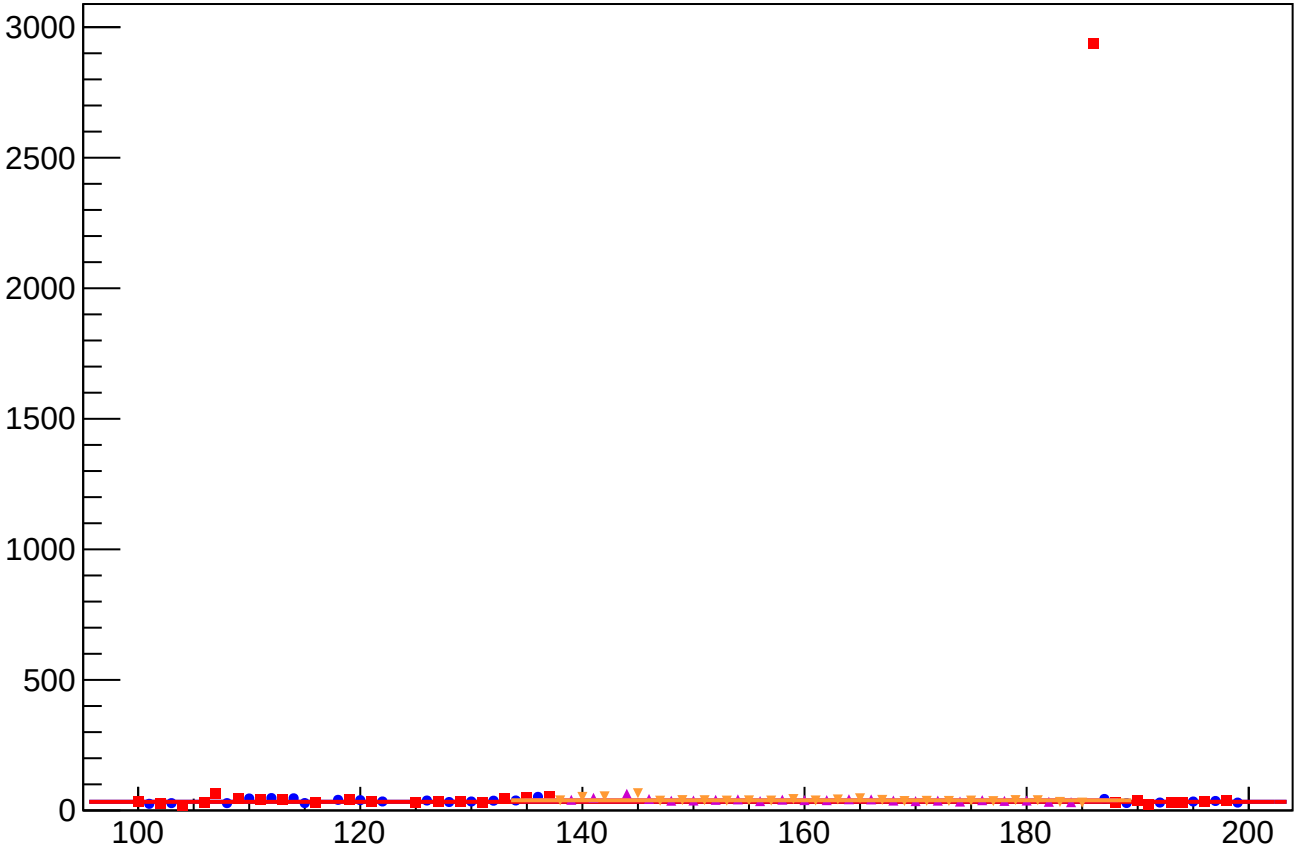
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.001+/-0.007 χ^2/NDF: 40.0/45

All: 0.004+/-0.005 χ^2/NDF: 80.6/94

- sign 0.008+/-0.007 χ^2/NDF: 39.8/48

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.255+/-0.007 χ^2/NDF: 718699.1/21

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

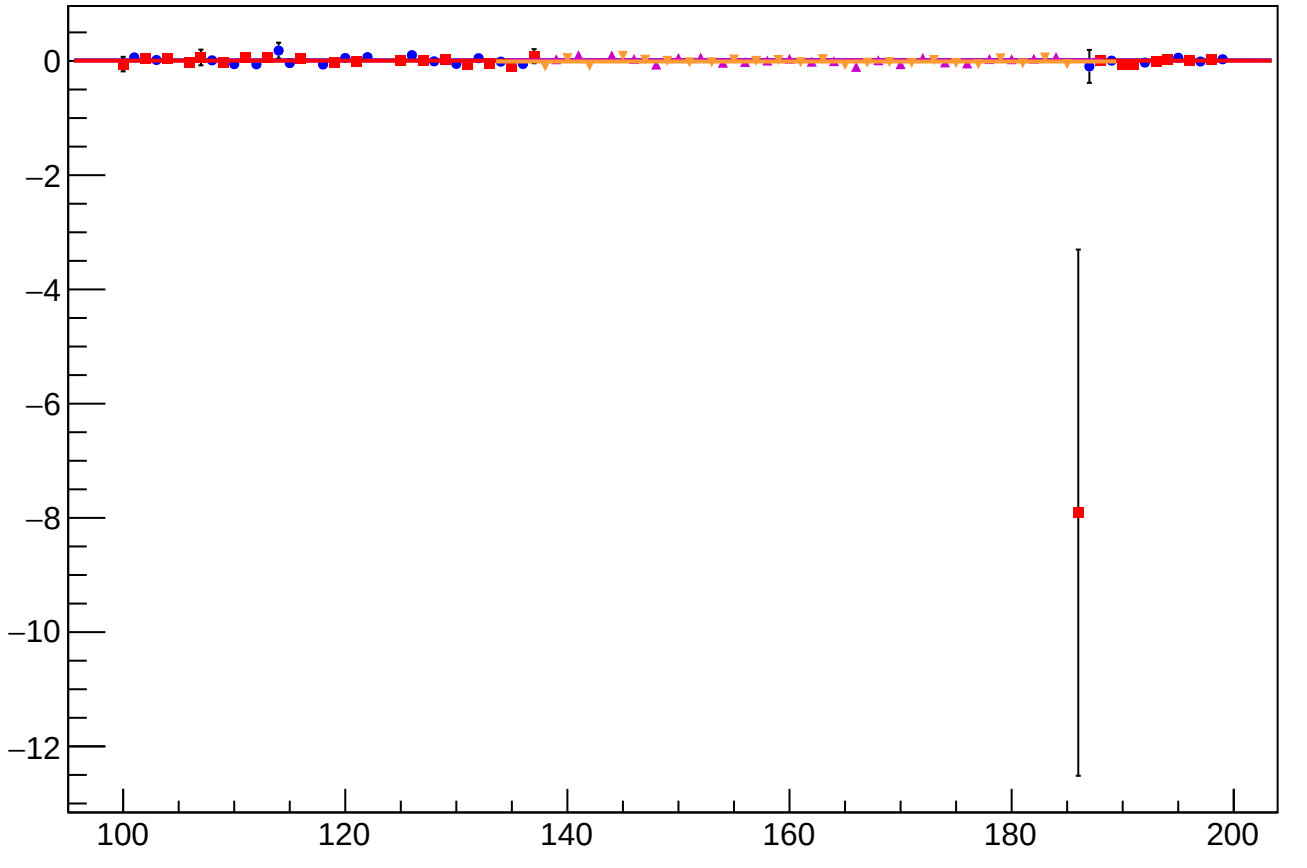
Right Out: 33.000+/-0.007 χ^2/NDF: 1838688.8/25

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 36.410+/-0.005 χ^2/NDF: 1670264.6/45

All: 36.334+/-0.003 χ^2/NDF: 4425983.8/94

- sign 36.259+/-0.005 χ^2/NDF: 2755251.3/48



Right In: 0.011+/-0.011 χ^2/NDF: 18.4/21

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.005+/-0.010 χ^2/NDF: 16.4/25

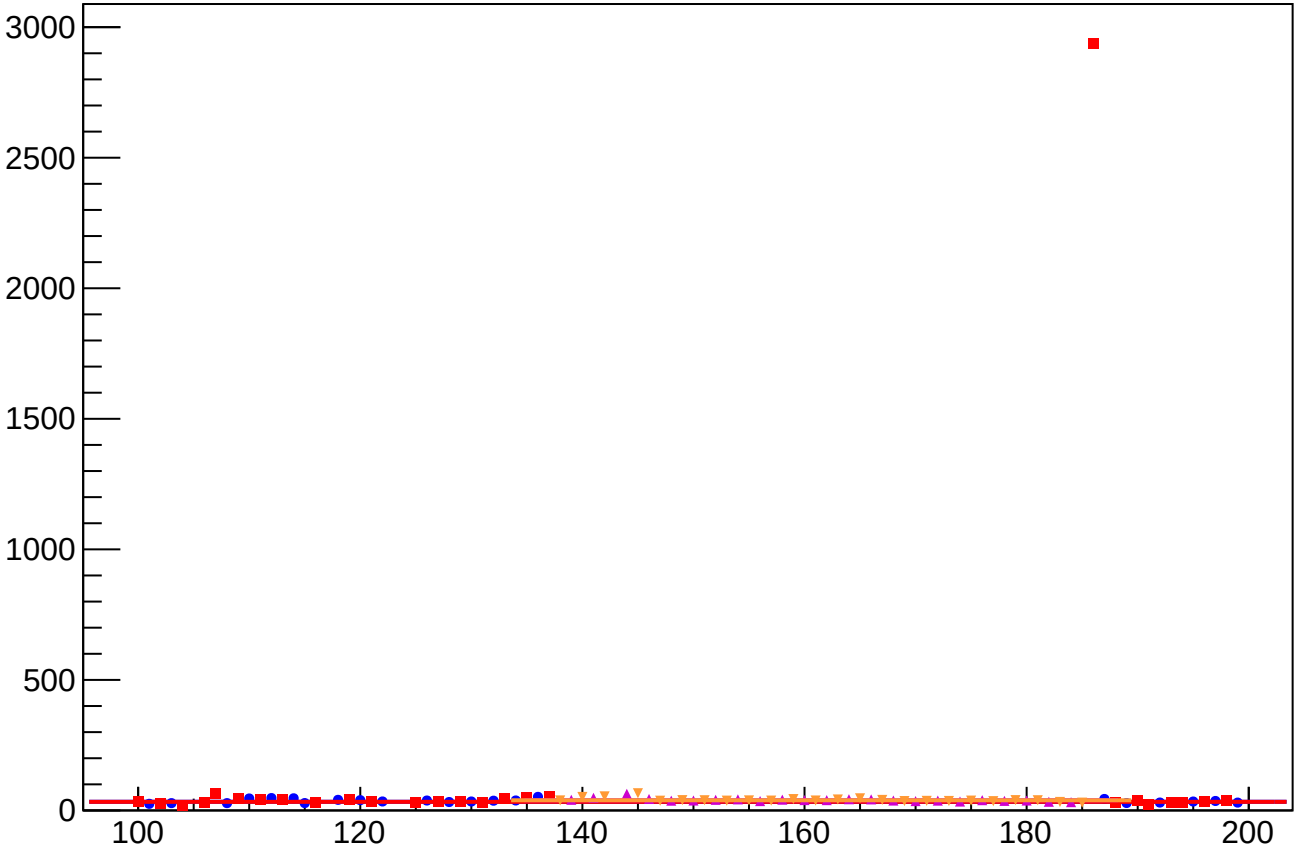
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.001+/-0.007 χ^2/NDF: 40.0/45

All: 0.004+/-0.005 χ^2/NDF: 80.6/94

- sign 0.008+/-0.007 χ^2/NDF: 39.8/48

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 33.255+/-0.007 χ^2/NDF: 718699.1/21

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.000+/-0.007 χ^2/NDF: 1838688.8/25

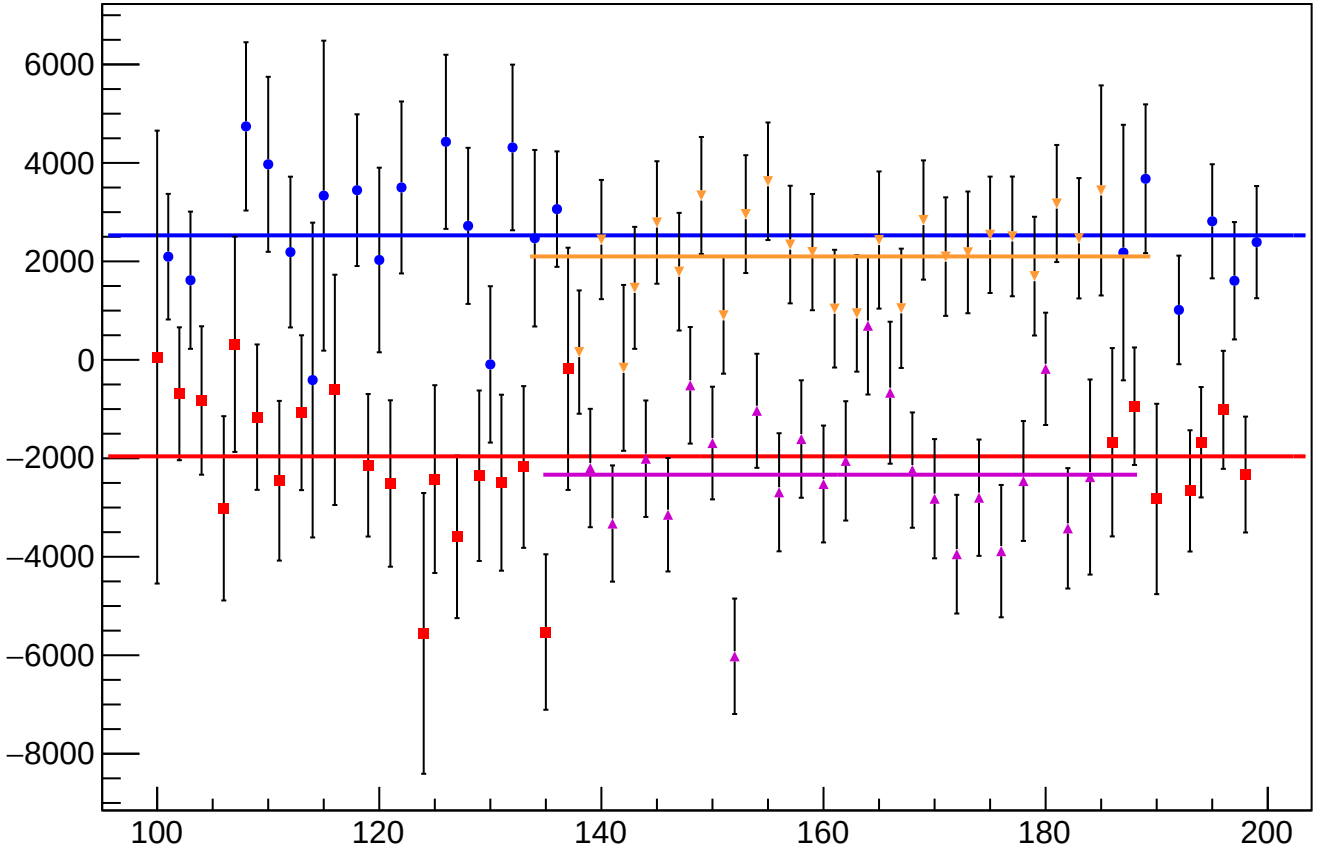
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 36.410+/-0.005 χ^2/NDF: 1670264.6/45

All: 36.334+/-0.003 χ^2/NDF: 4425983.8/94

- sign 36.259+/-0.005 χ^2/NDF: 2755251.3/48

reg_asym_usr_mean vs Slug



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1959.699+/-312.354 χ^2/NDF: 14.7/25

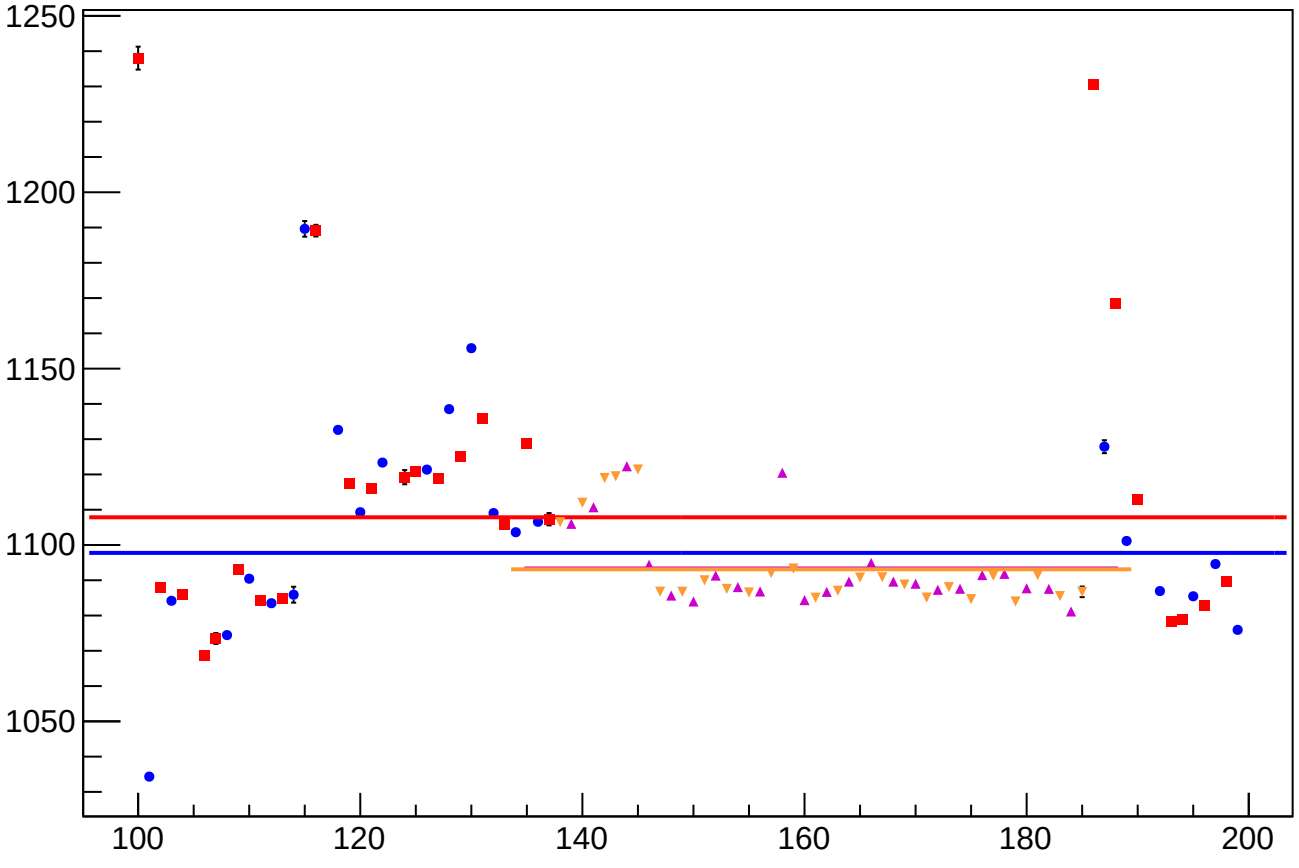
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2259.429+/-196.876 χ^2/NDF: 27.9/46

All: 46.866+/-139.491 χ^2/NDF: 326.5/95

- sign -2183.478+/-197.665 χ^2/NDF: 45.0/48

reg_asym_usr_rms vs Slug



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

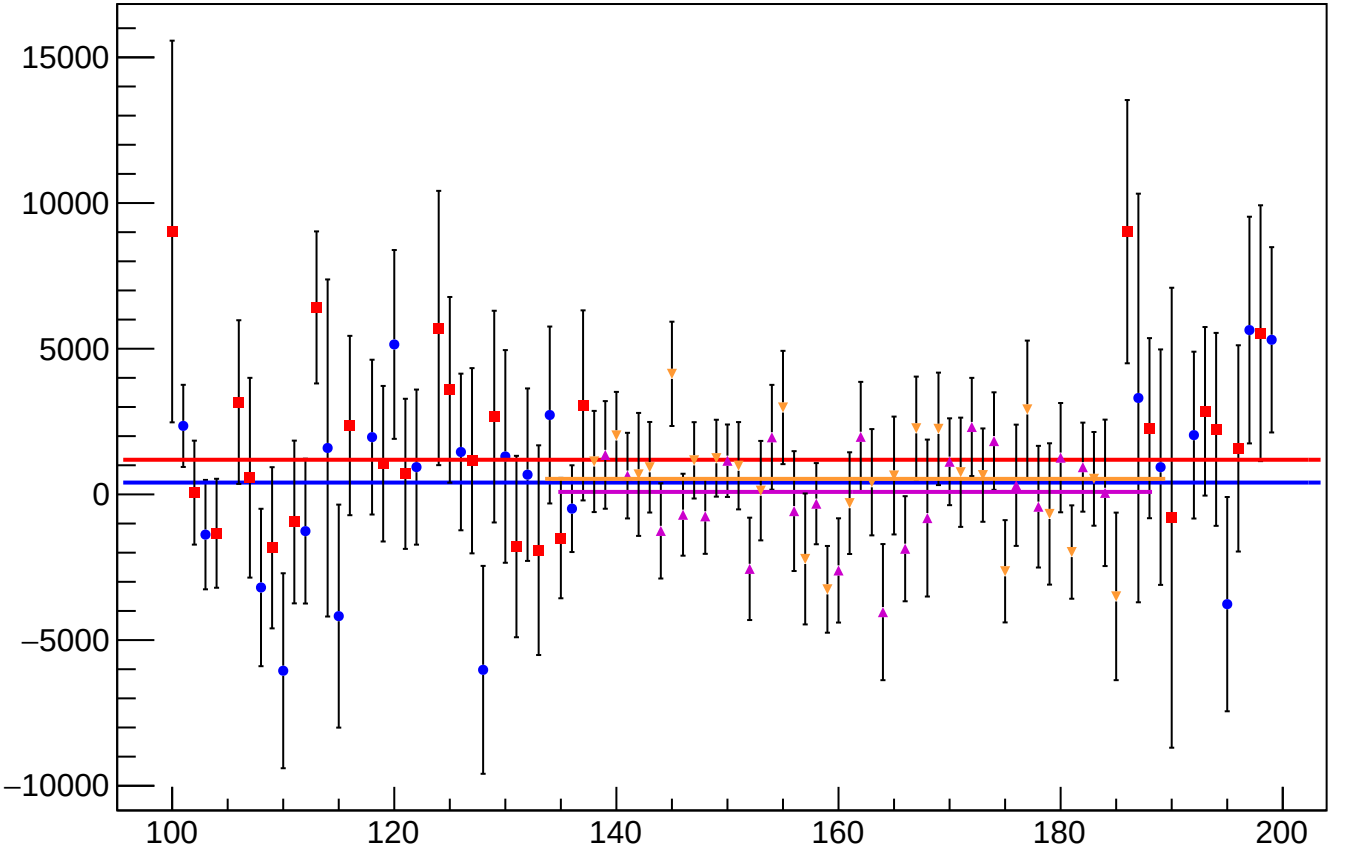
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.832+/-0.139 χ^2/NDF: 19237.7/46

All: 1096.983+/-0.099 χ^2/NDF: 51946.0/95

- sign 1099.151+/-0.140 χ^2/NDF: 32228.9/48

asym_usr_reg_correction_mean vs Slug



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1189.000+/-579.589 χ^2/NDF: 20.1/25

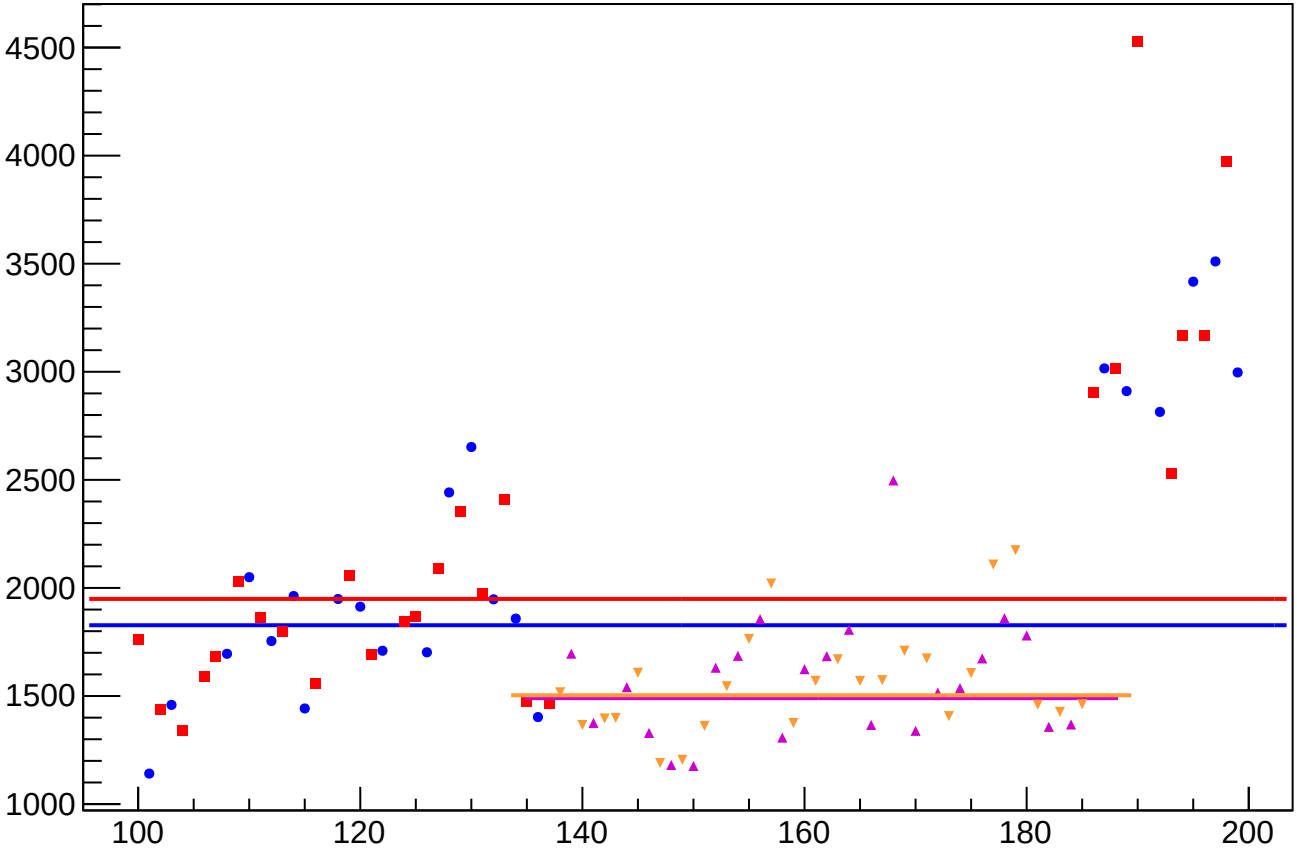
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 498.806+/-296.768 χ^2/NDF: 49.6/46

All: 442.963+/-211.695 χ^2/NDF: 90.5/95

- sign 385.108+/-302.065 χ^2/NDF: 40.8/48

asym_usr_reg_correction_rms vs Slug



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

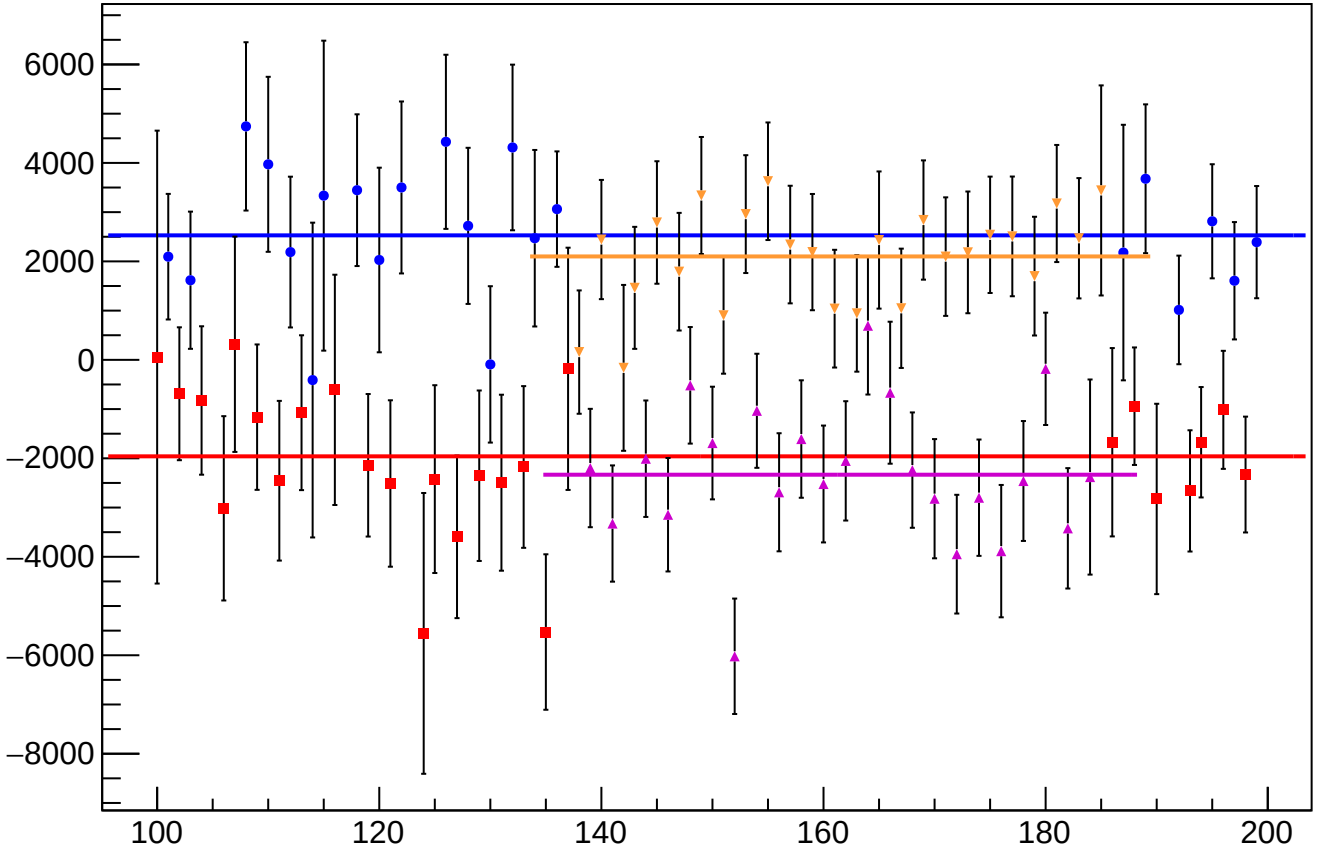
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1590.765+/-0.210 χ^2/NDF: 3655656.0/46

All: 1602.652+/-0.150 χ^2/NDF: 7802603.8/95

- sign 1614.967+/-0.214 χ^2/NDF: 4140415.3/48

cor_asym_usr_mean vs Slug



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1959.699+/-312.354 χ^2/NDF: 14.7/25

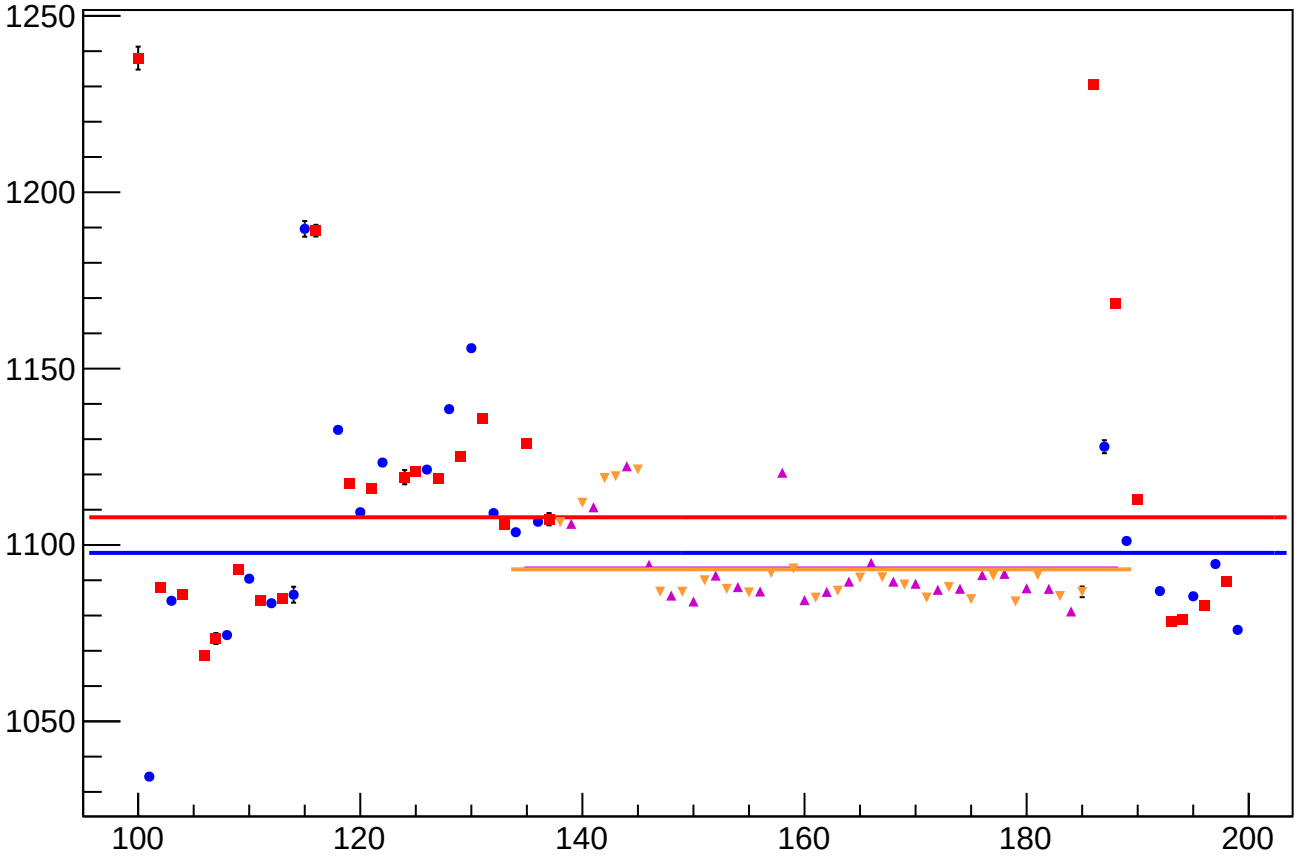
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2259.429+/-196.876 χ^2/NDF: 27.9/46

All: 46.866+/-139.491 χ^2/NDF: 326.5/95

- sign -2183.478+/-197.665 χ^2/NDF: 45.0/48

cor_asym_usr_rms vs Slug



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

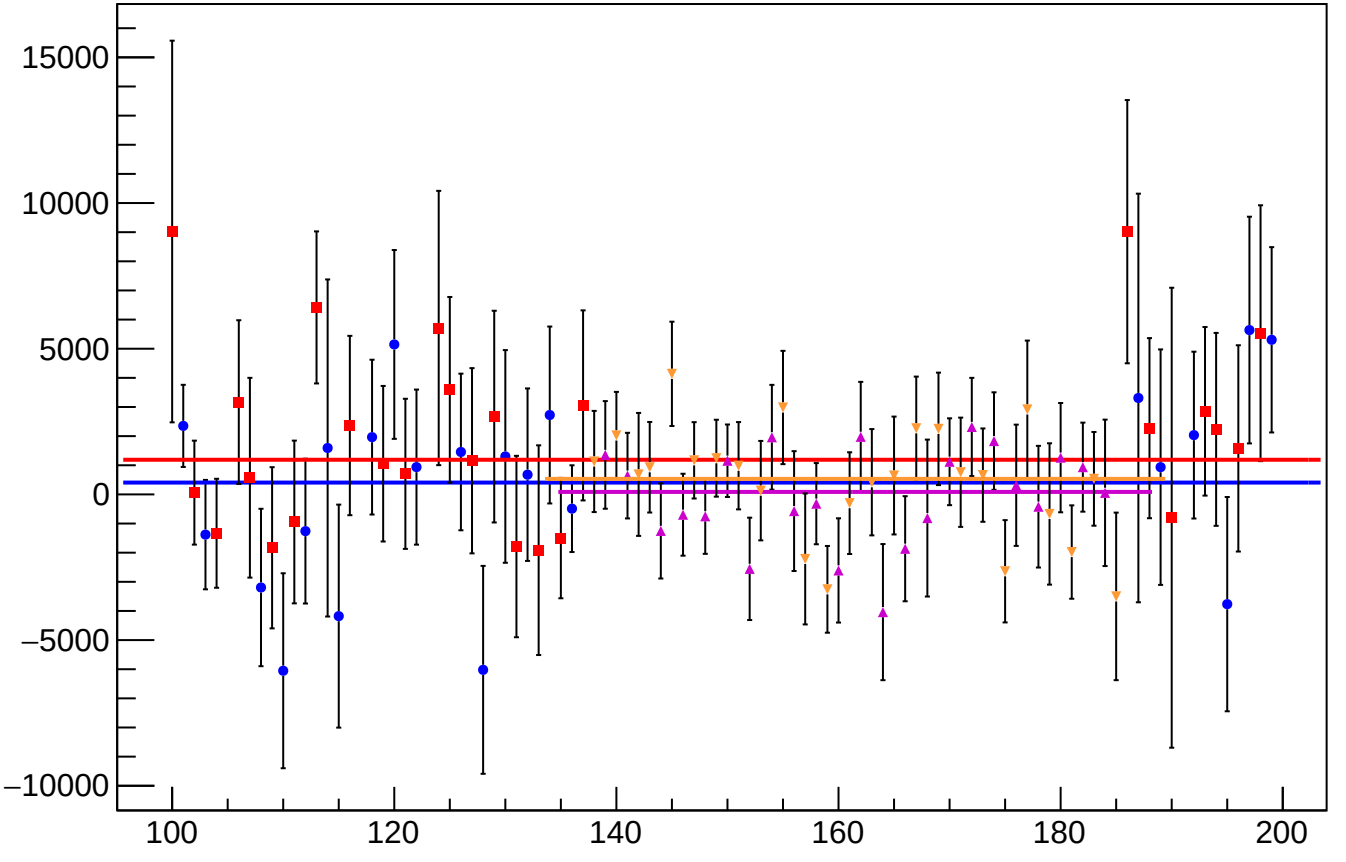
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.832+/-0.139 χ^2/NDF: 19237.7/46

All: 1096.983+/-0.099 χ^2/NDF: 51946.0/95

- sign 1099.151+/-0.140 χ^2/NDF: 32228.9/48

asym_usr_cor_correction_mean vs Slug



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1189.000+/-579.589 χ^2/NDF: 20.1/25

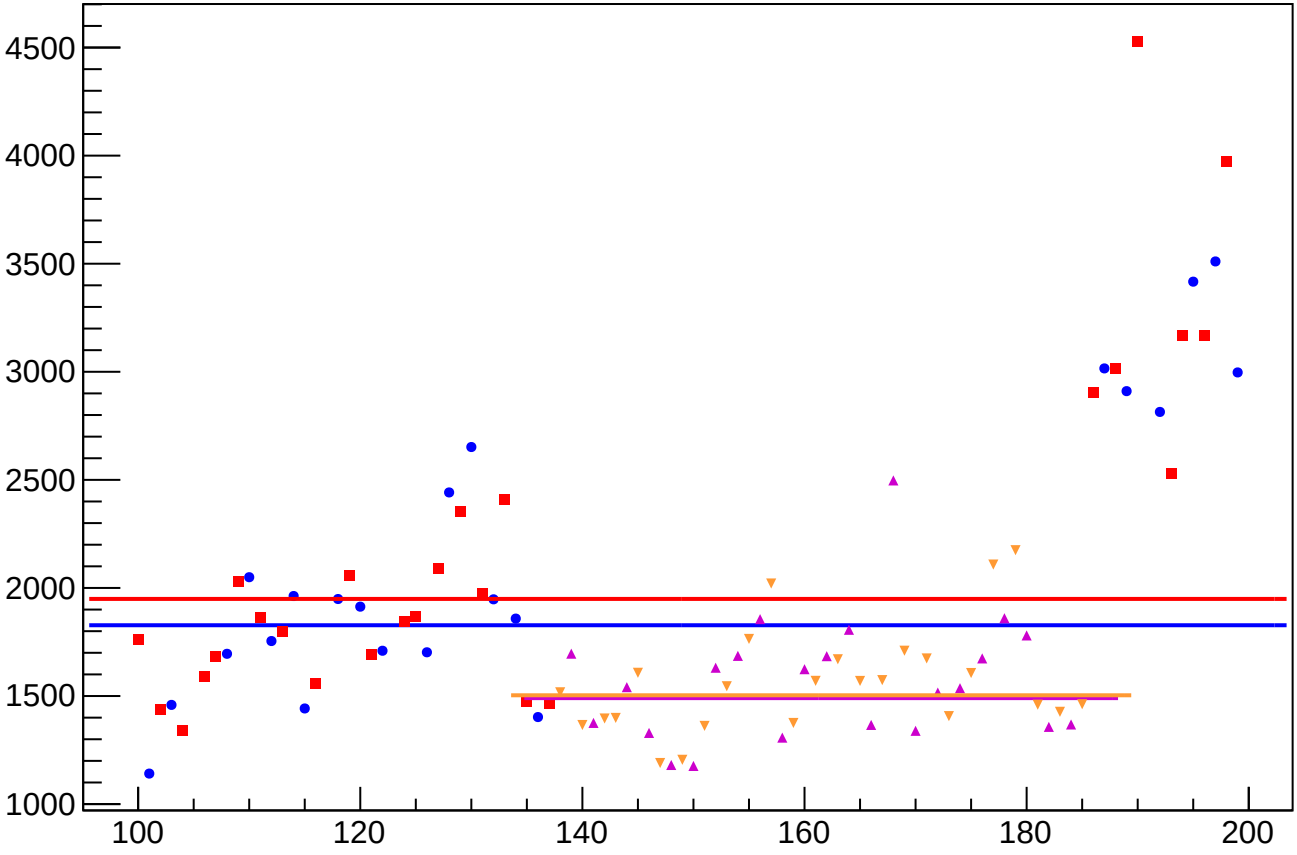
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 498.806+/-296.768 χ^2/NDF: 49.6/46

All: 442.963+/-211.695 χ^2/NDF: 90.5/95

- sign 385.108+/-302.065 χ^2/NDF: 40.8/48

asym_usr_cor_correction_rms vs Slug



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

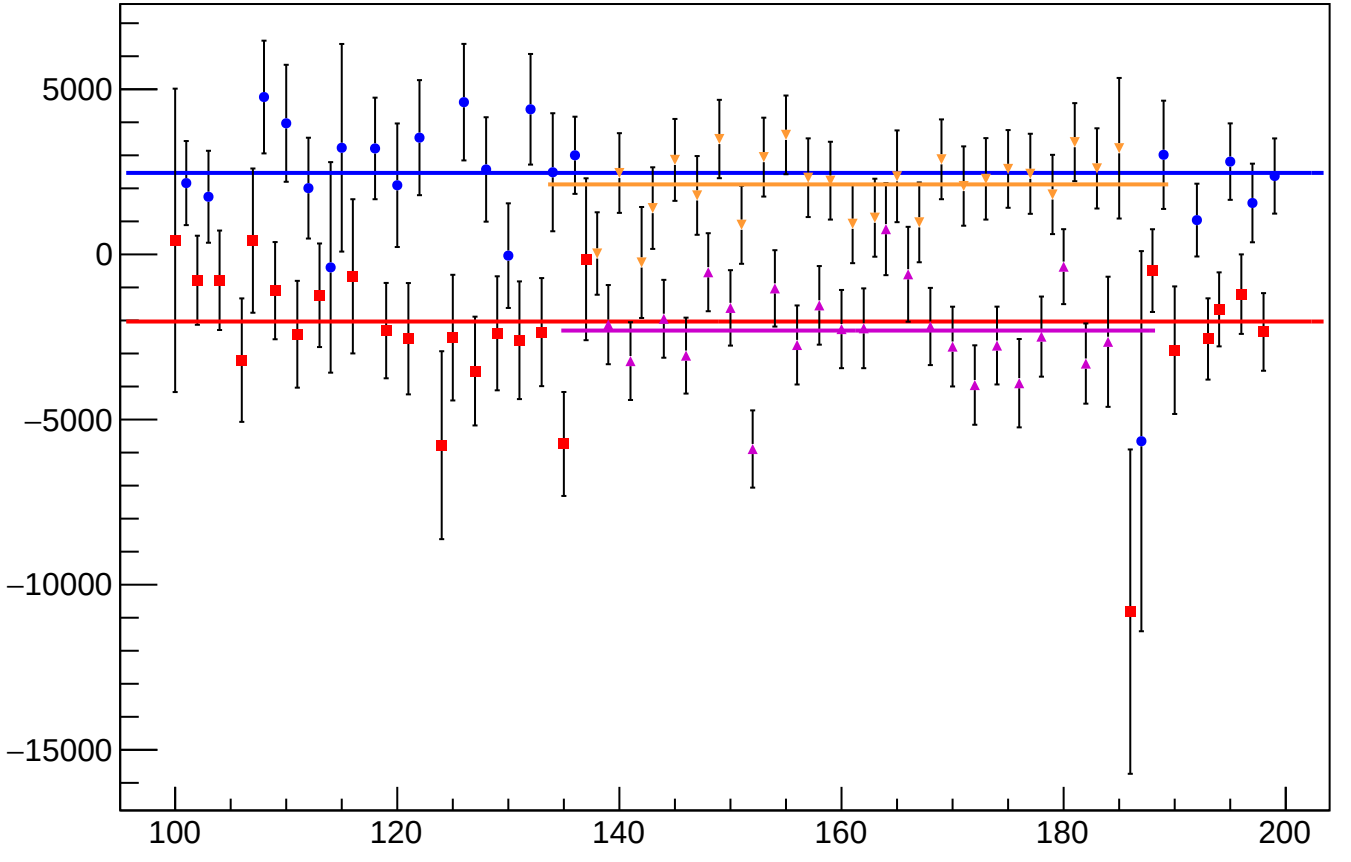
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1590.765+/-0.210 χ^2/NDF: 3655656.0/46

All: 1602.652+/-0.150 χ^2/NDF: 7802603.8/95

- sign 1614.967+/-0.214 χ^2/NDF: 4140415.3/48

overload_cor_asym_usr_mean vs Slug



Right In: 2467.705+/-325.572 χ^2/NDF: 14.4/21

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2031.910+/-316.515 χ^2/NDF: 19.4/25

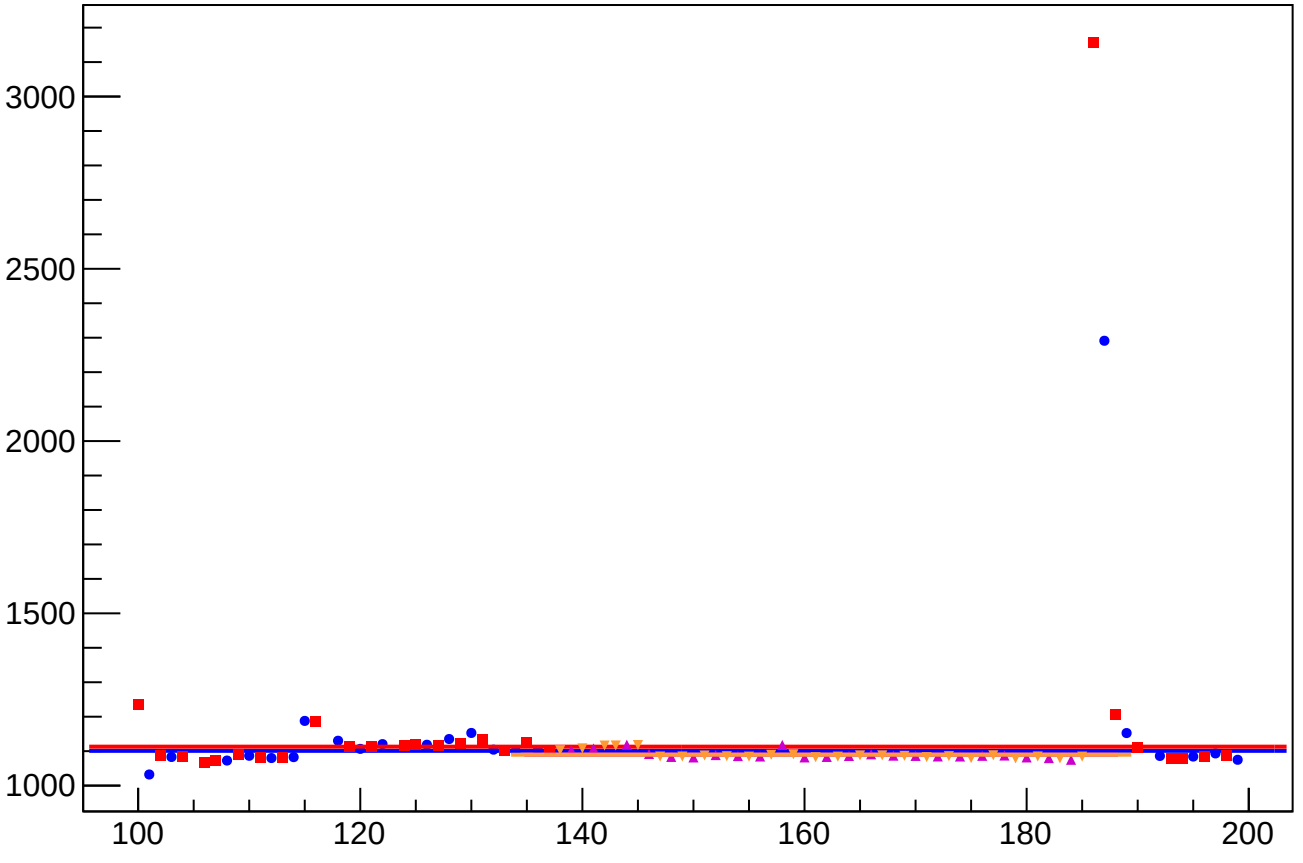
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2247.358+/-197.053 χ^2/NDF: 30.3/46

All: 39.087+/-139.789 χ^2/NDF: 331.4/95

- sign -2198.019+/-198.335 χ^2/NDF: 48.3/48

overload_cor_asym_usr_rms vs Slug



Right In: 1100.954+/-0.230 χ^2/NDF: 102507.0/21

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1113.048+/-0.224 χ^2/NDF: 372104.3/25

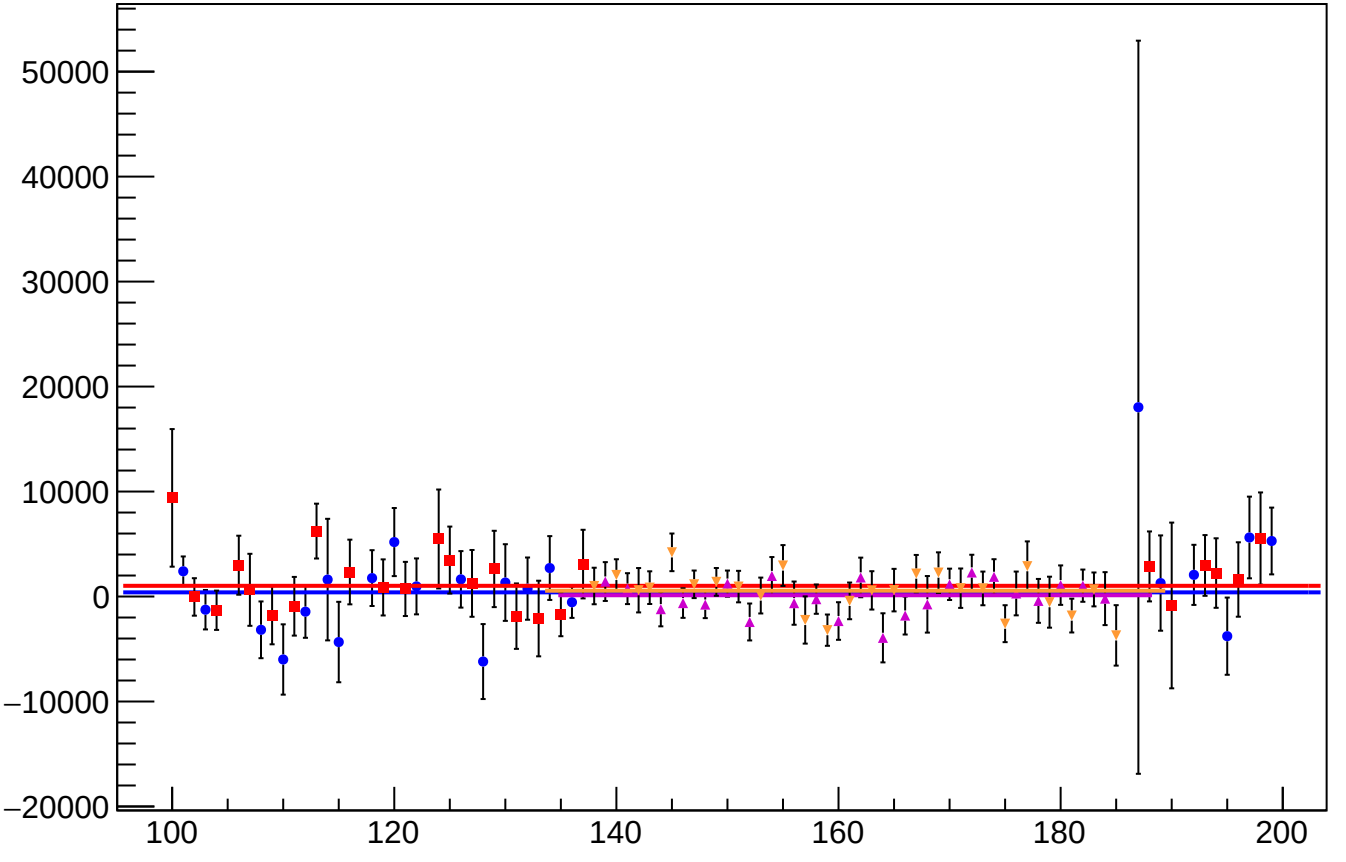
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1093.850+/-0.139 χ^2/NDF: 108067.2/46

All: 1096.422+/-0.099 χ^2/NDF: 491214.2/95

- sign 1099.028+/-0.140 χ^2/NDF: 382461.1/48

asym_usr_overload_cor_correction_mean vs Slug



Right In: 396.703+/-575.327 χ^2/NDF: 23.6/21

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 1020.381+/-586.398 χ^2/NDF: 17.2/24

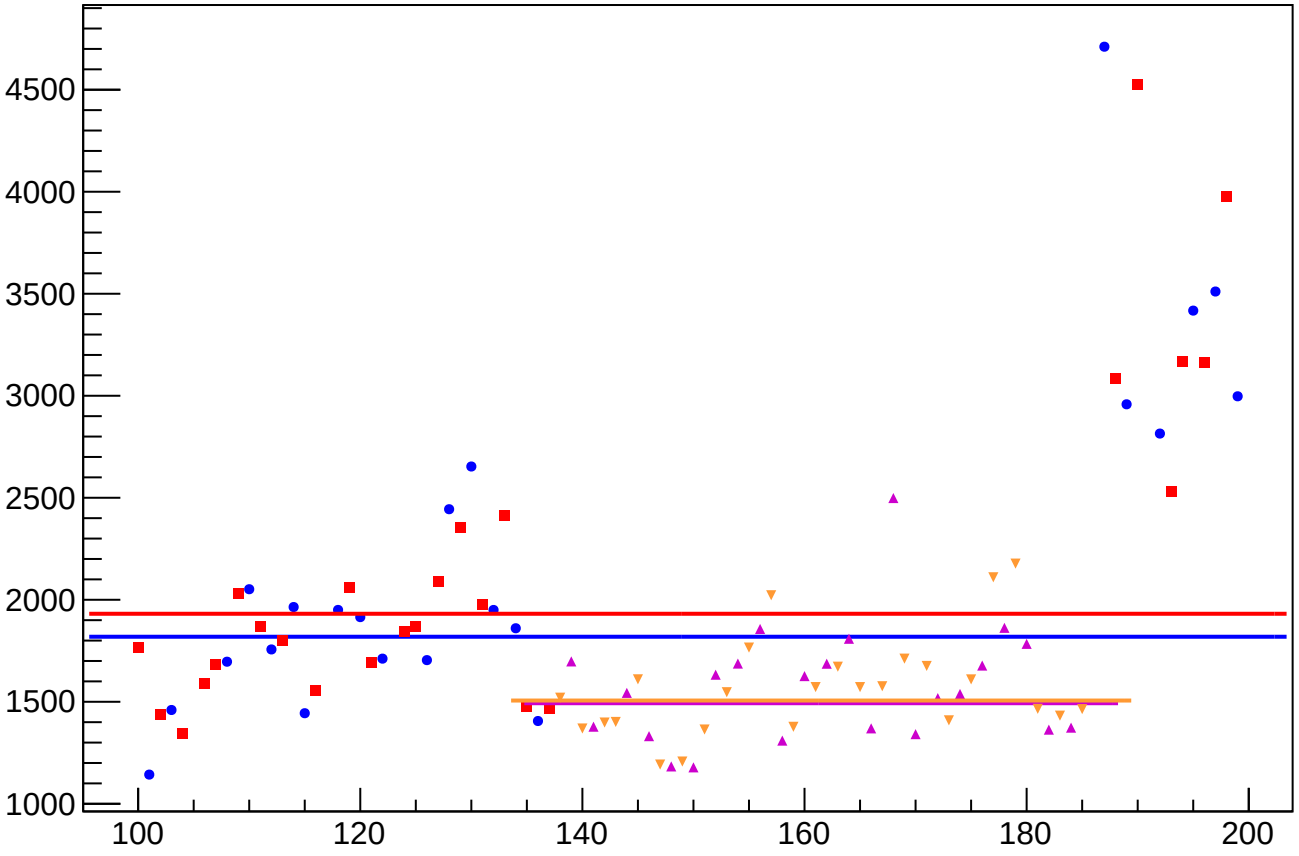
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 511.722+/-297.648 χ^2/NDF: 49.8/46

All: 438.326+/-212.472 χ^2/NDF: 85.9/94

- sign 362.067+/-303.397 χ^2/NDF: 36.0/47

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1818.820+/-0.407 χ^2/NDF: 2315886.5/21

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1931.405+/-0.415 χ^2/NDF: 2152768.2/24

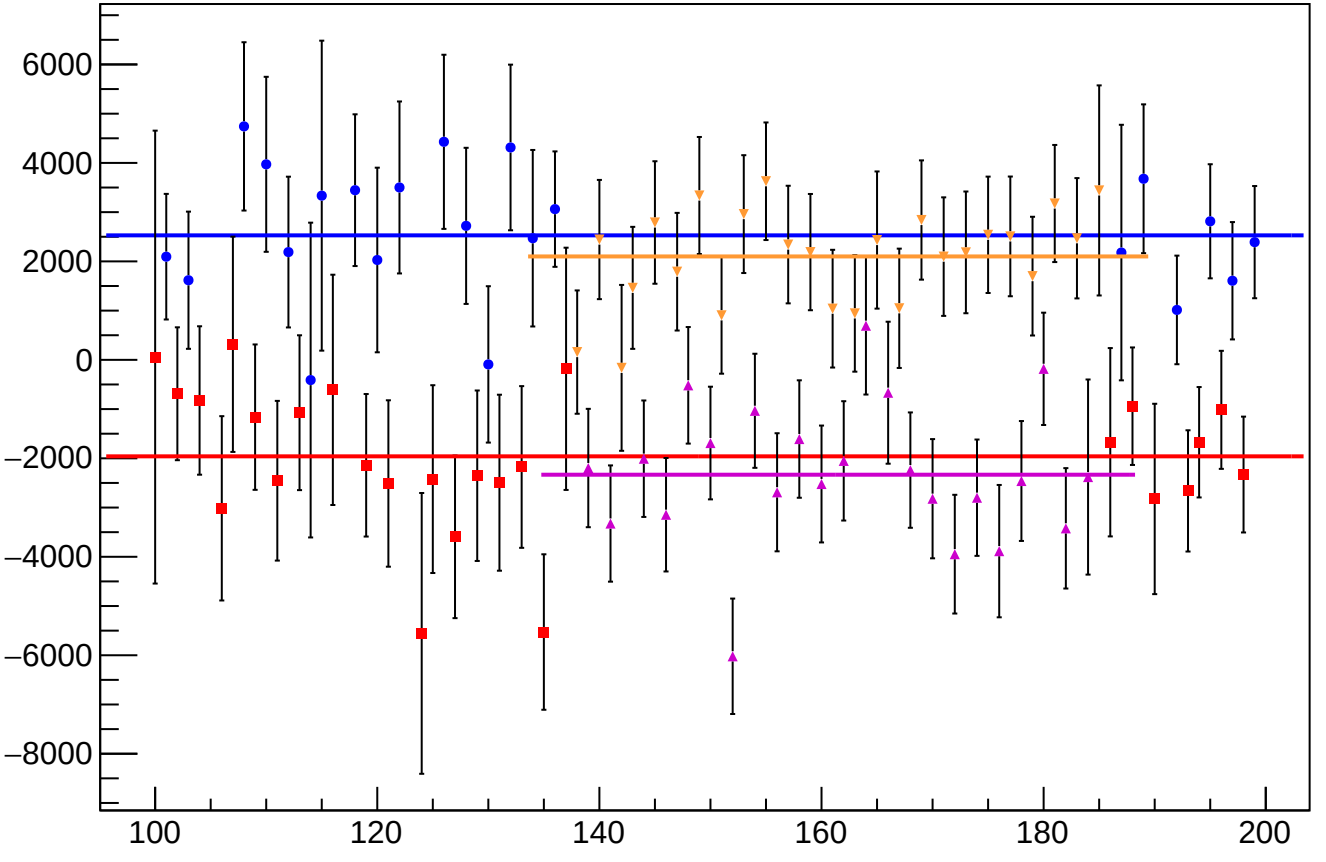
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1589.803+/-0.210 χ^2/NDF: 3545020.5/46

All: 1599.876+/-0.150 χ^2/NDF: 7485538.6/94

- sign 1610.341+/-0.215 χ^2/NDF: 3935848.2/47

eigen_cor_asym_usr_mean vs Slug



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1959.699+/-312.354 χ^2/NDF: 14.7/25

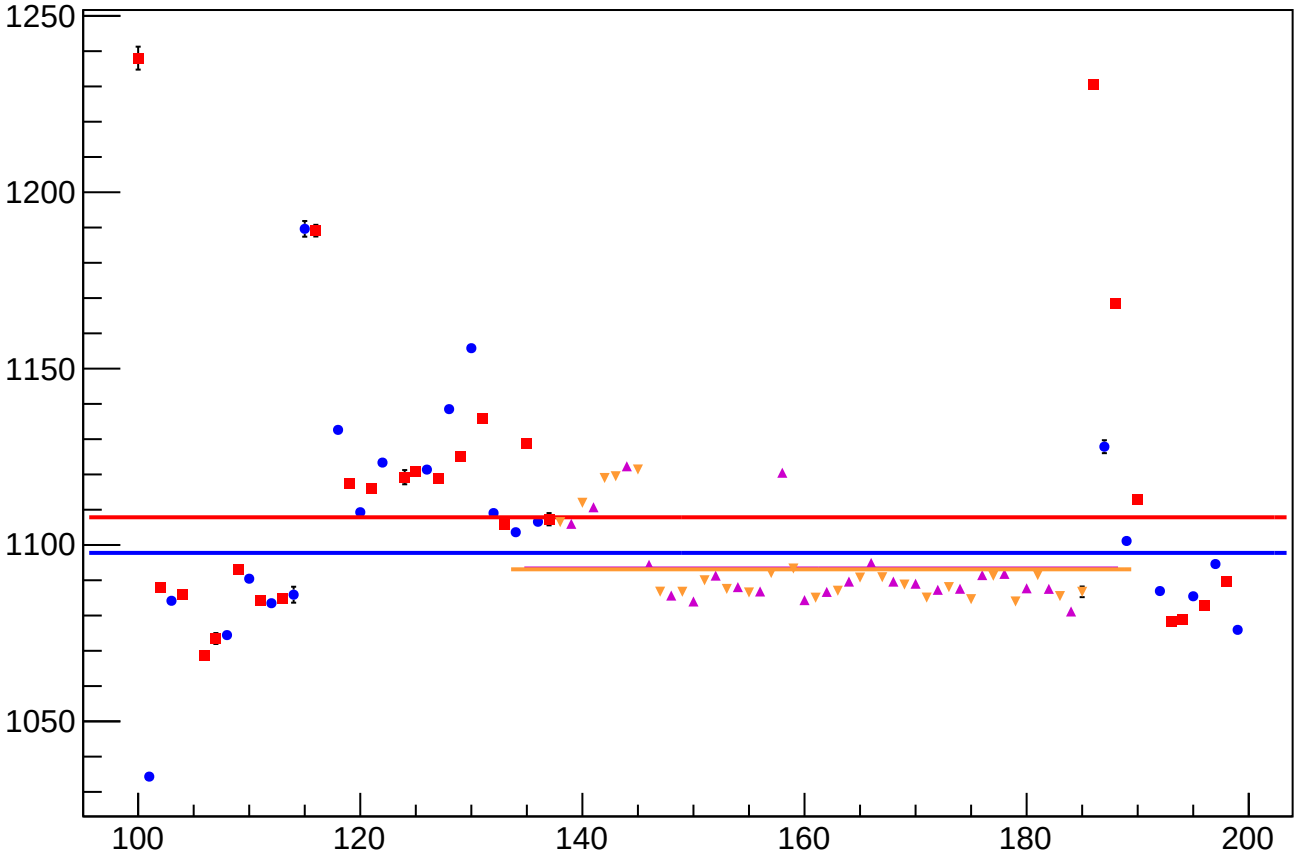
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2259.429+/-196.876 χ^2/NDF: 27.9/46

All: 46.866+/-139.491 χ^2/NDF: 326.5/95

- sign -2183.478+/-197.665 χ^2/NDF: 45.0/48

eigen_cor_asym_usr_rms vs Slug



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

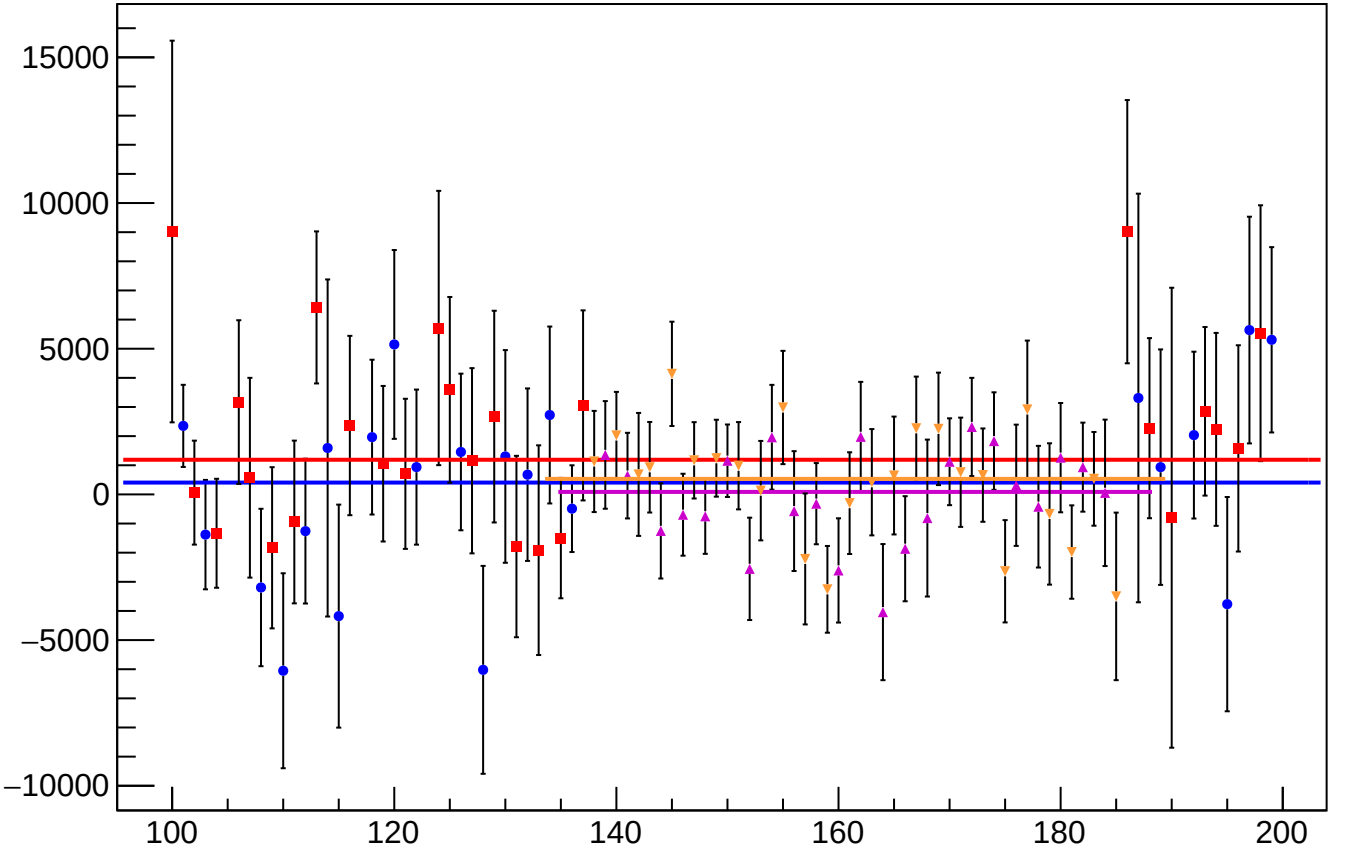
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.832+/-0.139 χ^2/NDF: 19237.7/46

All: 1096.983+/-0.099 χ^2/NDF: 51946.0/95

- sign 1099.151+/-0.140 χ^2/NDF: 32228.9/48

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1189.000+/-579.589 χ^2/NDF: 20.1/25

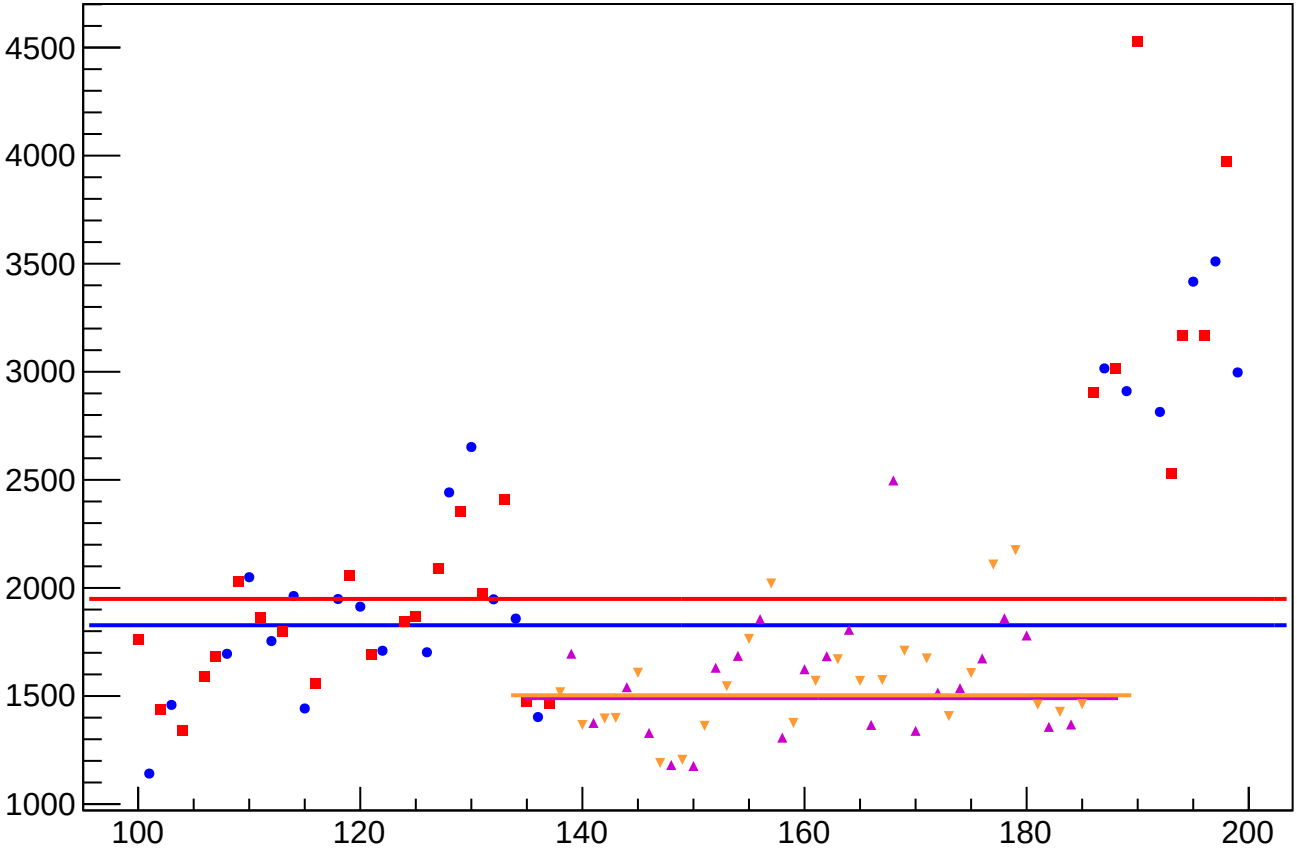
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 498.806+/-296.768 χ^2/NDF: 49.6/46

All: 442.963+/-211.695 χ^2/NDF: 90.5/95

- sign 385.108+/-302.065 χ^2/NDF: 40.8/48

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

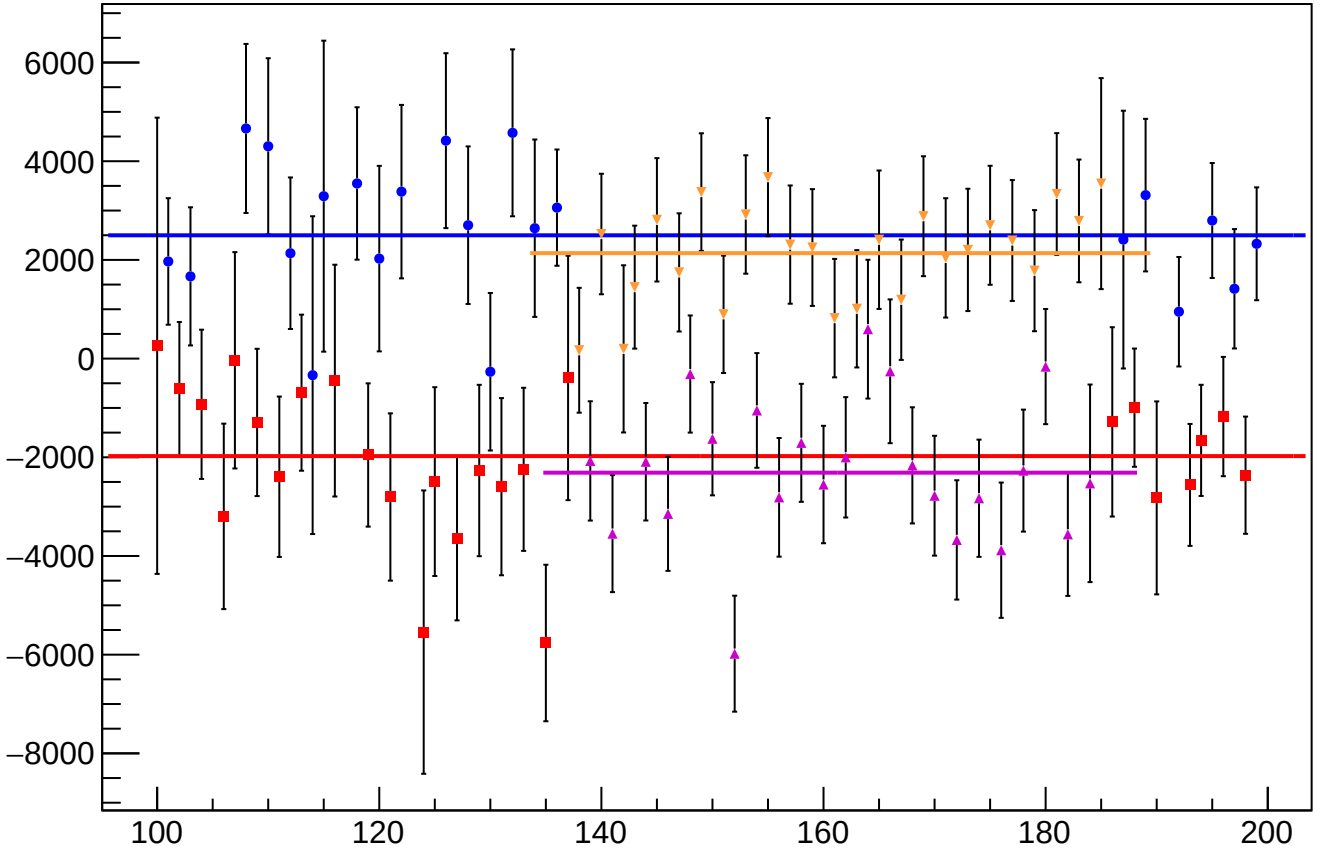
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1590.765+/-0.210 χ^2/NDF: 3655656.0/46

All: 1602.652+/-0.150 χ^2/NDF: 7802603.8/95

- sign 1614.967+/-0.214 χ^2/NDF: 4140415.3/48

dit_asym_usr_mean vs Slug



Right In: 2498.704+/-325.017 χ^2/NDF: 13.9/21

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -1975.899+/-313.948 χ^2/NDF: 15.3/25

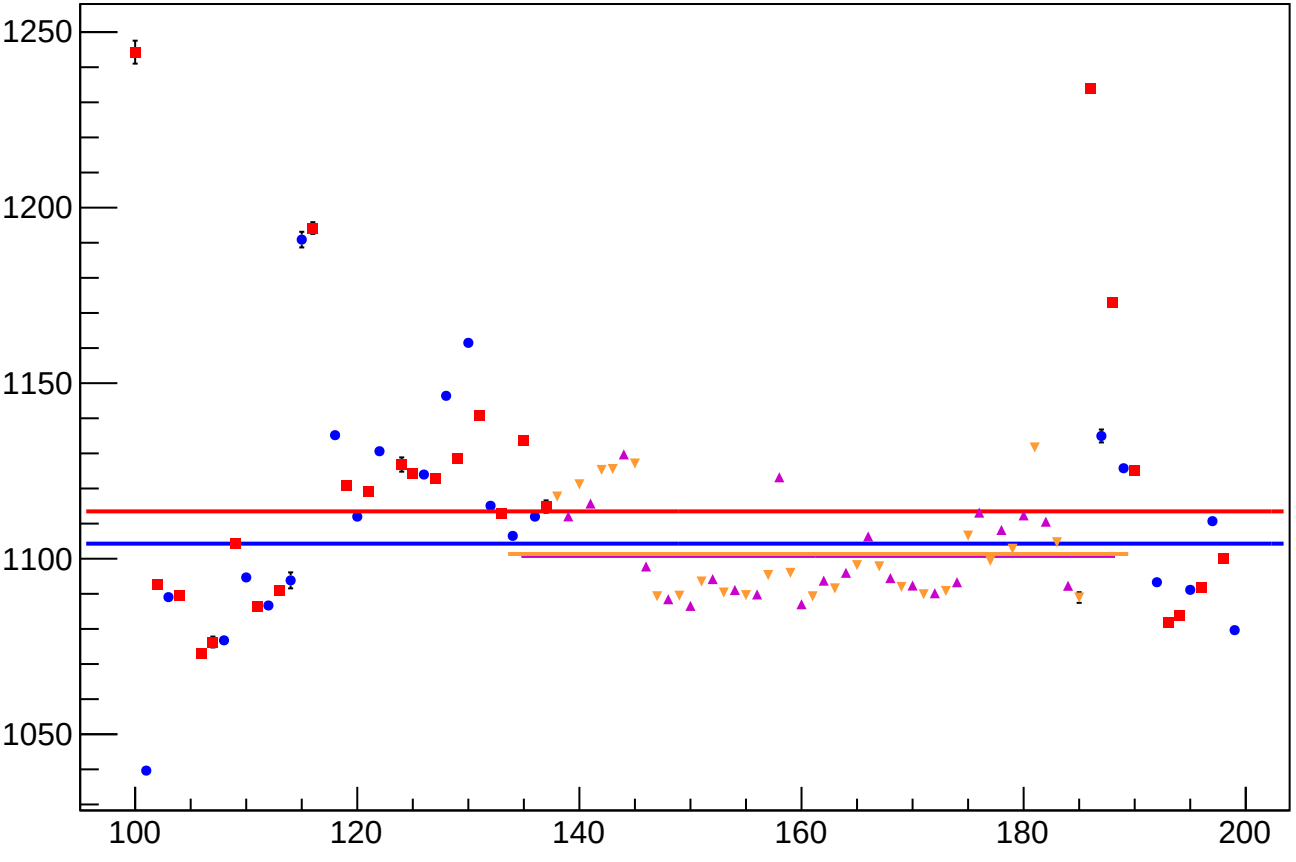
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2271.701+/-198.257 χ^2/NDF: 28.6/46

All: 54.367+/-140.409 χ^2/NDF: 325.5/95

- sign -2176.977+/-198.882 χ^2/NDF: 45.9/48

dit_asym_usr_rms vs Slug



Right In: 1104.291+/-0.230 χ^2/NDF: 15449.6/21

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1113.481+/-0.222 χ^2/NDF: 25178.7/25

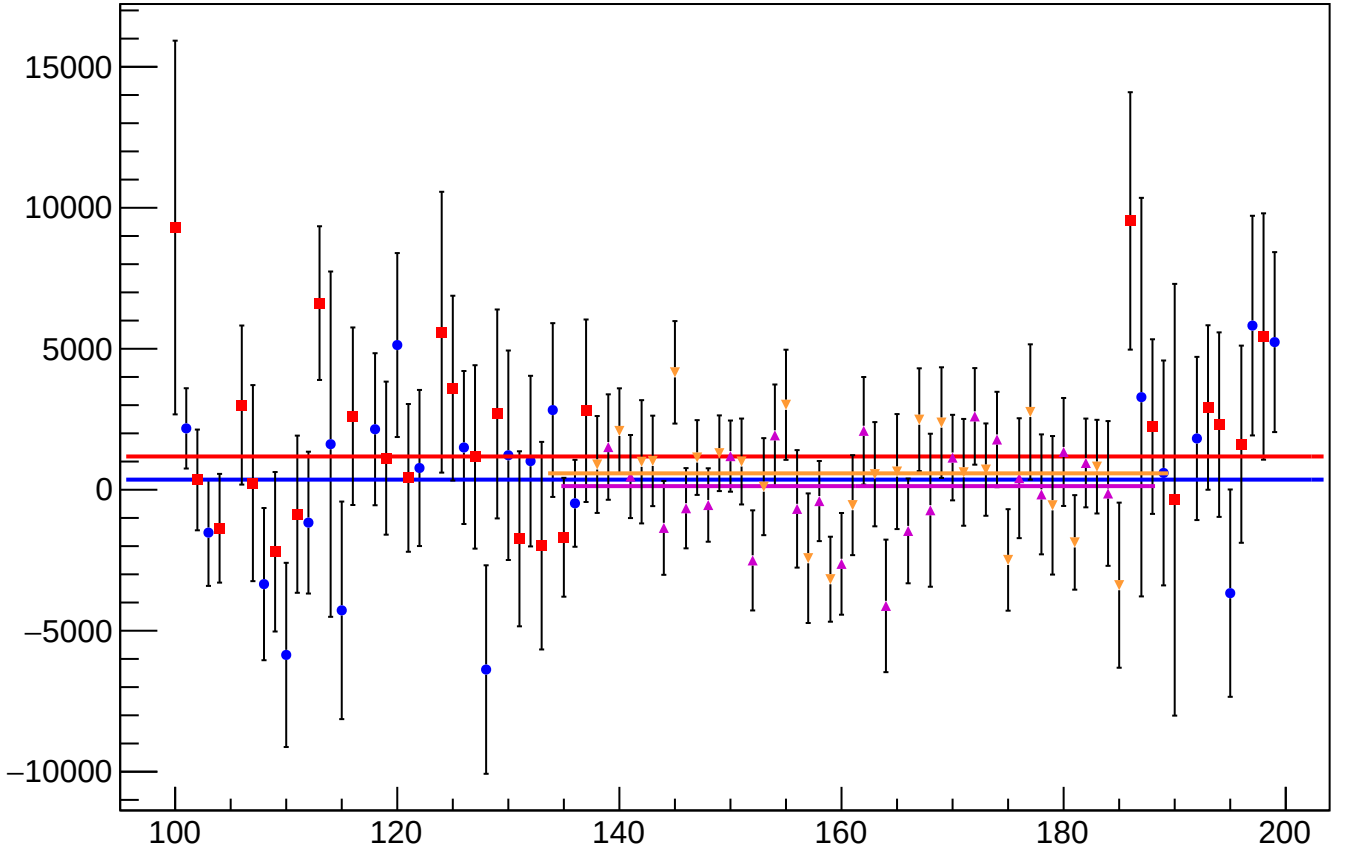
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1102.447+/-0.140 χ^2/NDF: 21502.9/46

All: 1104.160+/-0.099 χ^2/NDF: 53578.9/95

- sign 1105.885+/-0.141 χ^2/NDF: 31776.3/48

asym_usr_dit_correction_mean vs Slug



Right In: 359.002+/-579.725 χ^2/NDF: 23.0/21

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1180.216+/-587.480 χ^2/NDF: 20.4/25

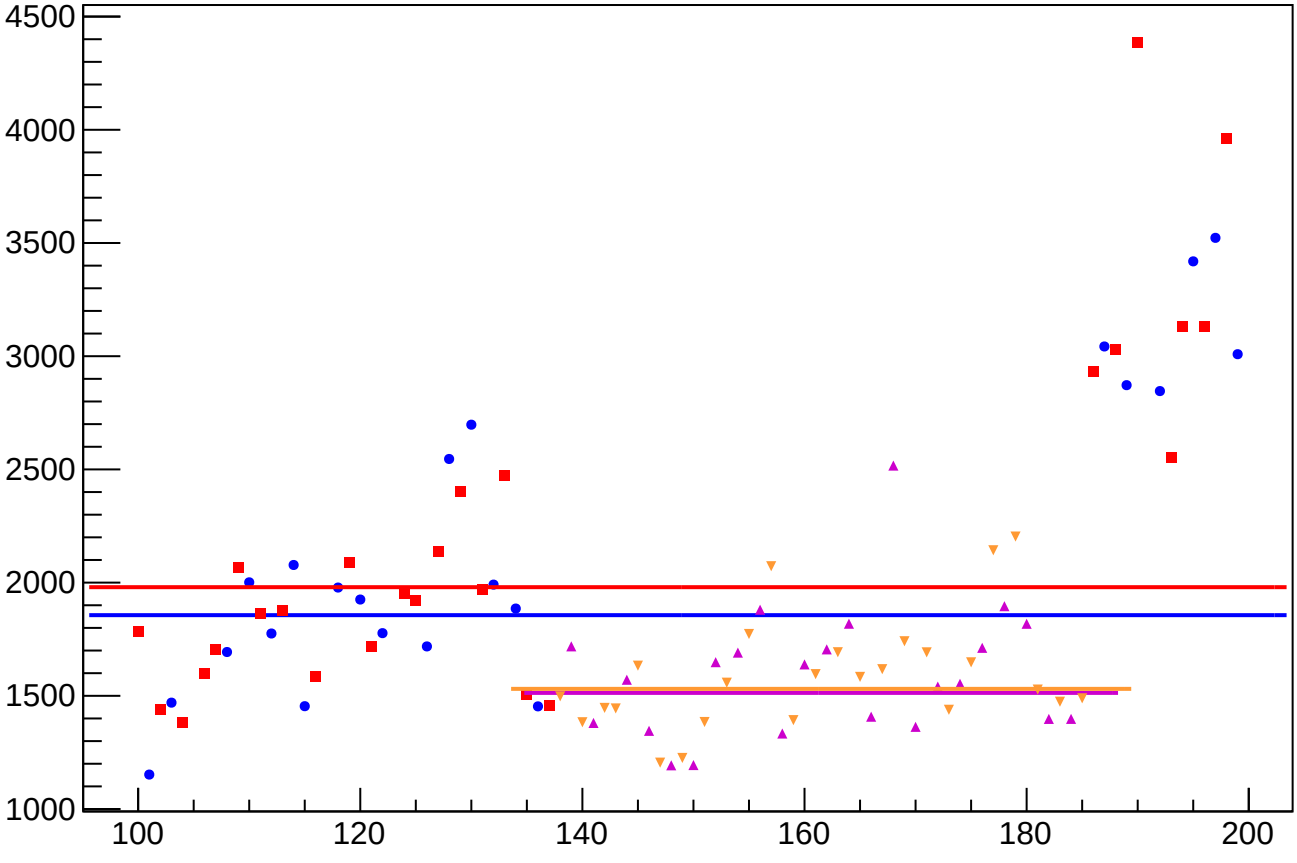
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 521.168+/-301.746 χ^2/NDF: 48.5/46

All: 468.800+/-214.997 χ^2/NDF: 89.1/95

- sign 414.799+/-306.412 χ^2/NDF: 40.5/48

asym_usr_dit_correction_rms vs Slug



Right In: 1856.276+/-0.410 χ^2/NDF: 2343342.3/21

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1979.861+/-0.415 χ^2/NDF: 2175860.2/25

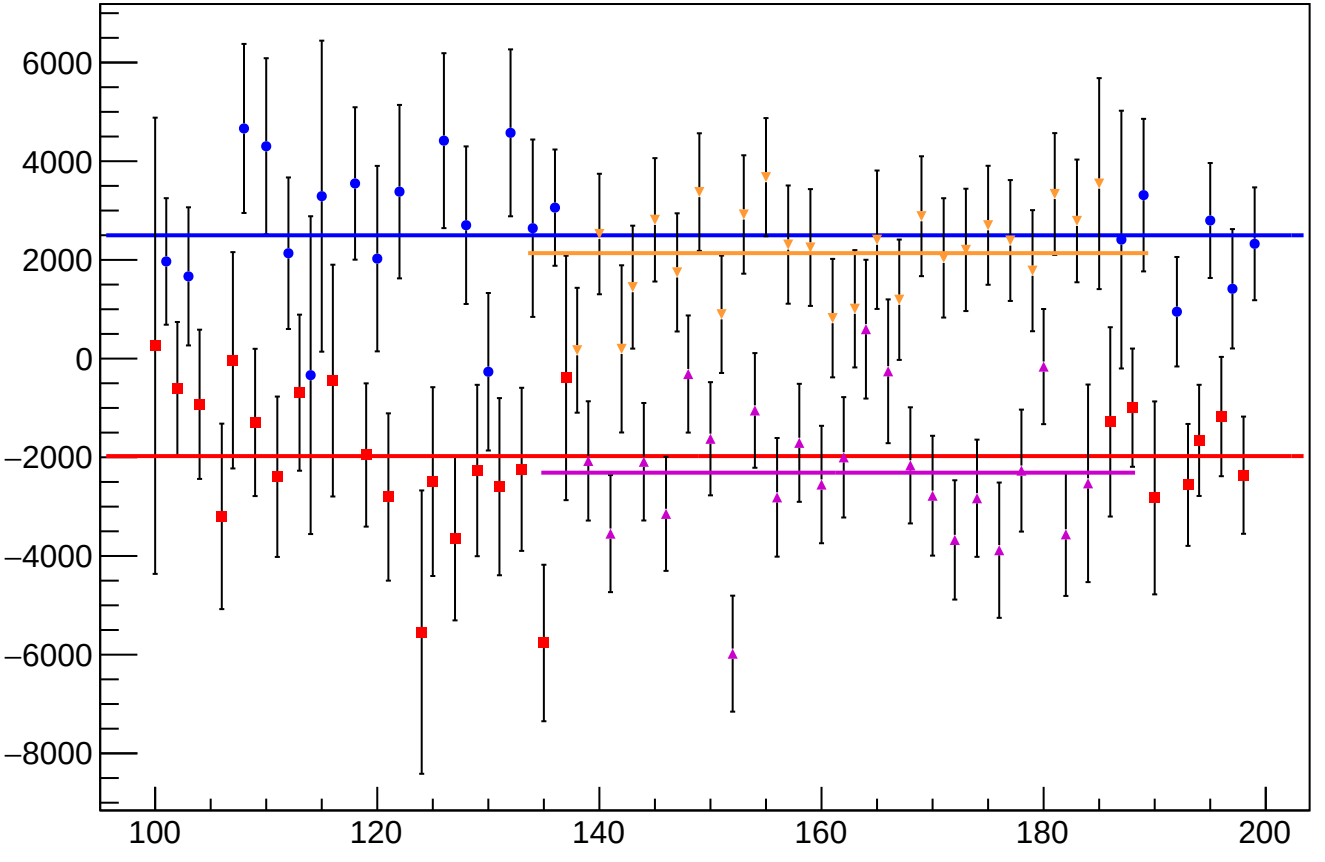
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1618.951+/-0.213 χ^2/NDF: 3598700.0/46

All: 1629.296+/-0.152 χ^2/NDF: 7656058.6/95

- sign 1639.964+/-0.217 χ^2/NDF: 4052583.8/48

eigen_dit_asym_usr_mean vs Slug



Right In: 2498.702+/-325.017 χ^2/NDF: 13.9/21

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -1975.899+/-313.947 χ^2/NDF: 15.3/25

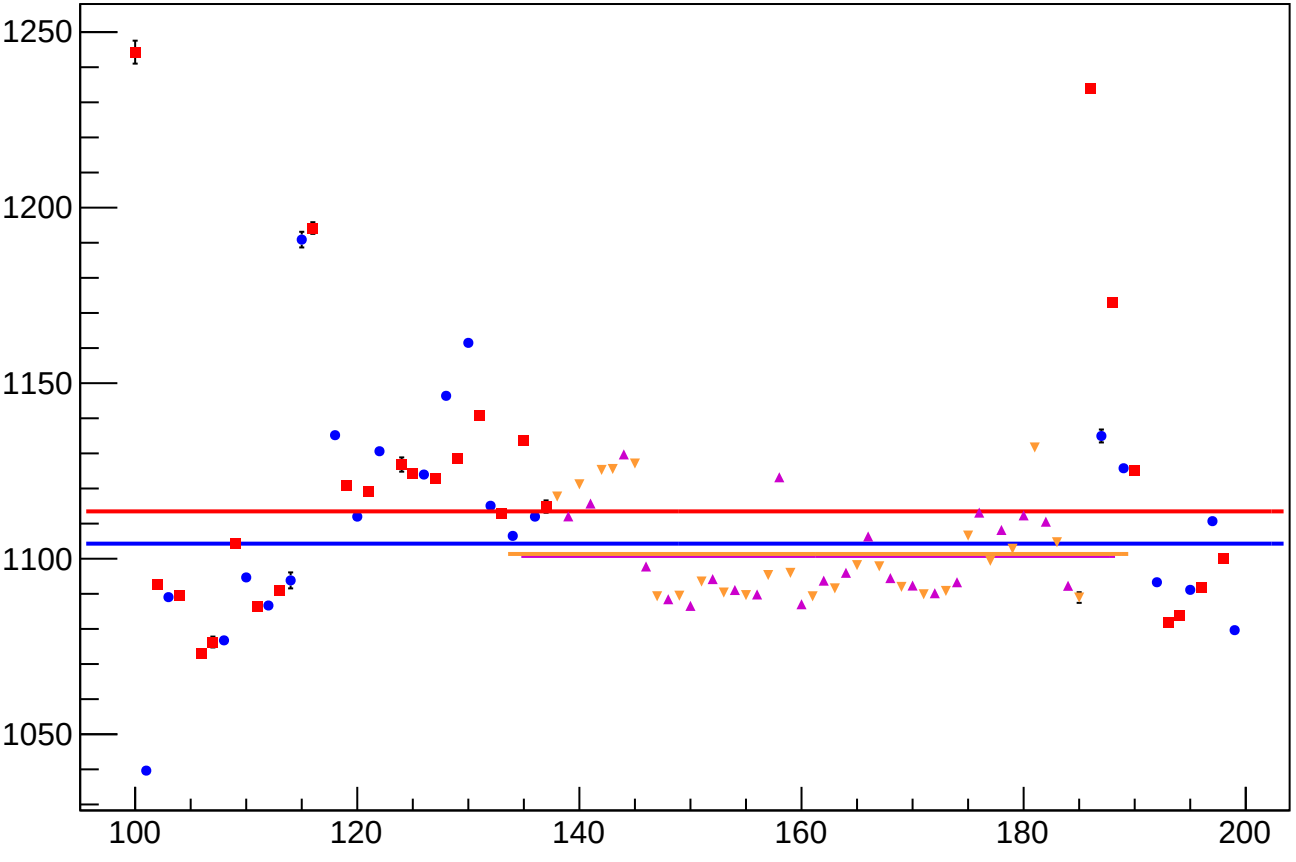
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2271.699+/-198.257 χ^2/NDF: 28.6/46

All: 54.366+/-140.409 χ^2/NDF: 325.5/95

- sign -2176.977+/-198.882 χ^2/NDF: 45.9/48

eigen_dit_asym_usr_rms vs Slug



Right In: 1104.291+/-0.230 χ^2/NDF: 15449.5/21

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

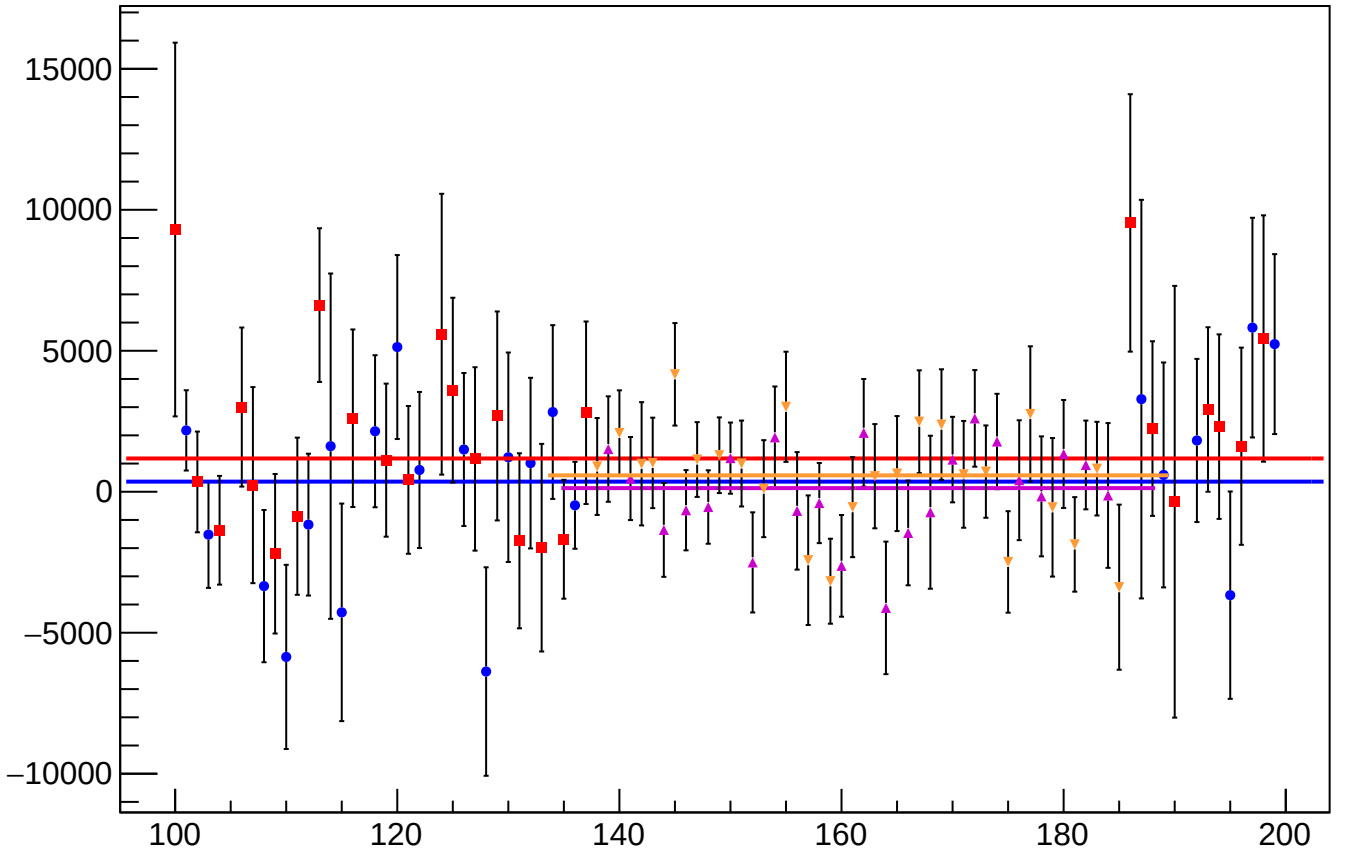
Right Out: 1113.481+/-0.222 χ^2/NDF: 25178.7/25

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1102.447+/-0.140 χ^2/NDF: 21502.7/46

All: 1104.160+/-0.099 χ^2/NDF: 53578.8/95

- sign 1105.884+/-0.141 χ^2/NDF: 31776.3/48



Right In: 358.998+/-579.725 χ^2/NDF: 23.0/21

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1180.217+/-587.479 χ^2/NDF: 20.4/25

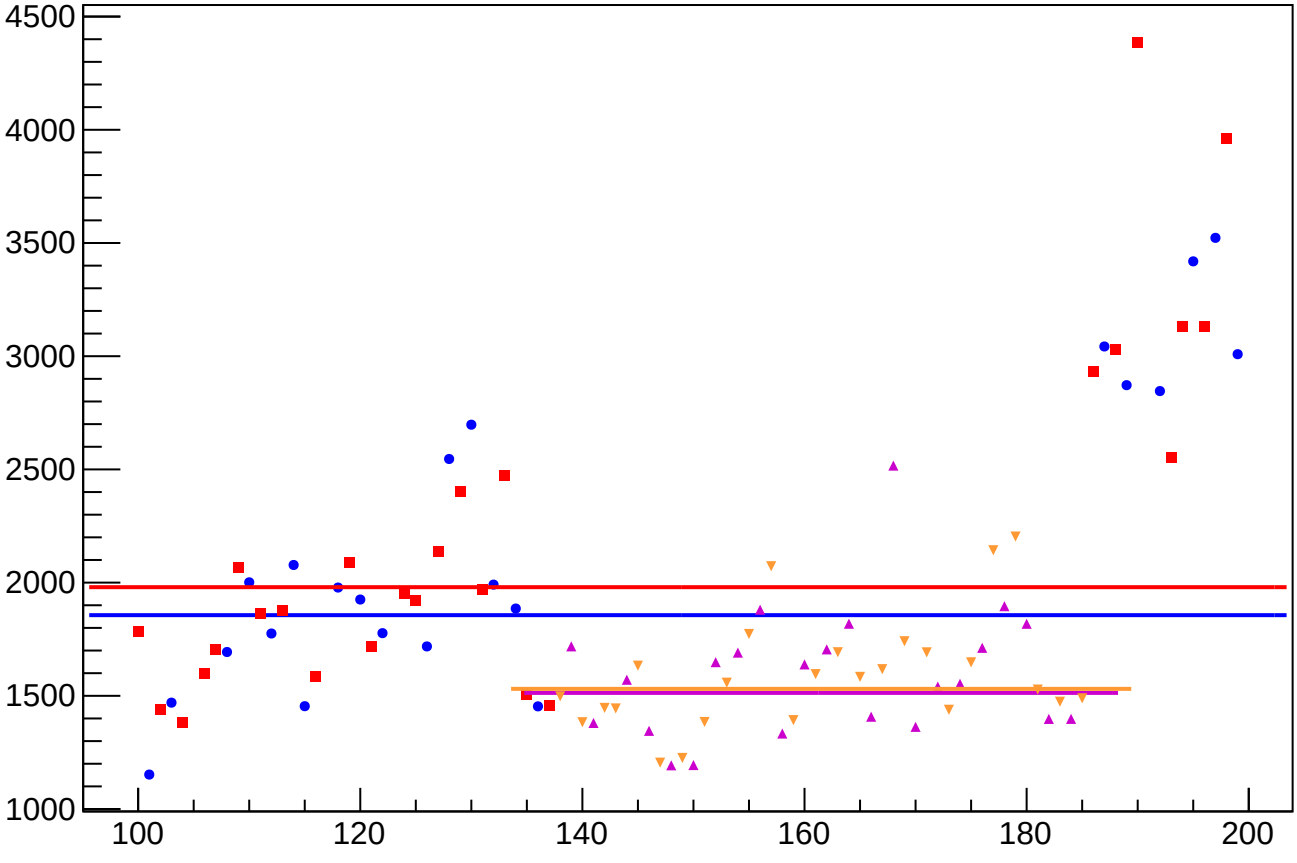
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 521.166+/-301.746 χ^2/NDF: 48.5/46

All: 468.799+/-214.997 χ^2/NDF: 89.1/95

- sign 414.801+/-306.412 χ^2/NDF: 40.5/48

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1856.274+/-0.410 χ^2/NDF: 2343336.1/21

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

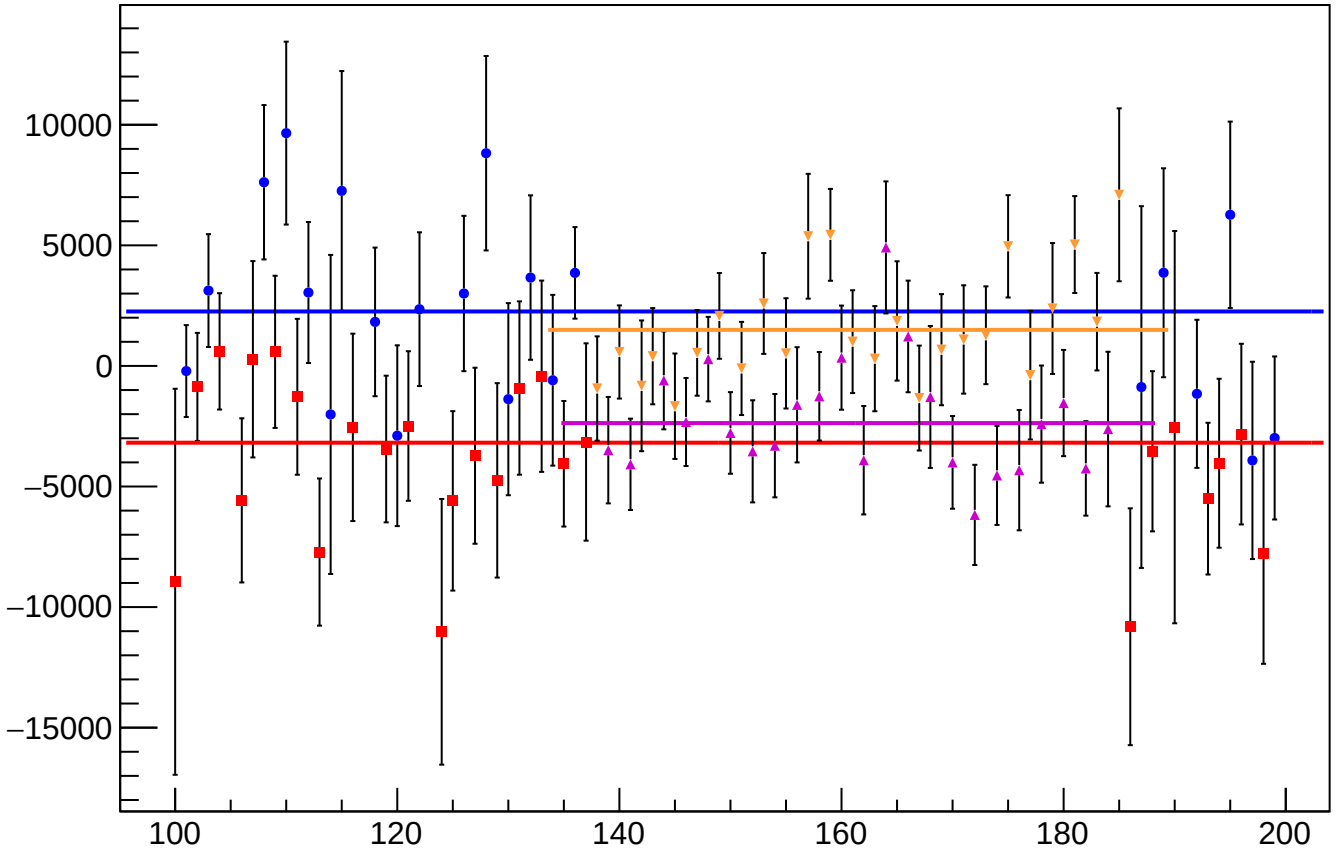
Right Out: 1979.860+/-0.415 χ^2/NDF: 2175848.4/25

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1618.954+/-0.213 χ^2/NDF: 3598680.4/46

All: 1629.299+/-0.152 χ^2/NDF: 7656011.4/95

- sign 1639.967+/-0.217 χ^2/NDF: 4052556.2/48



Right In: 2258.503+/-684.242 χ^2/NDF: 24.2/21

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3183.644+/-681.316 χ^2/NDF: 17.0/25

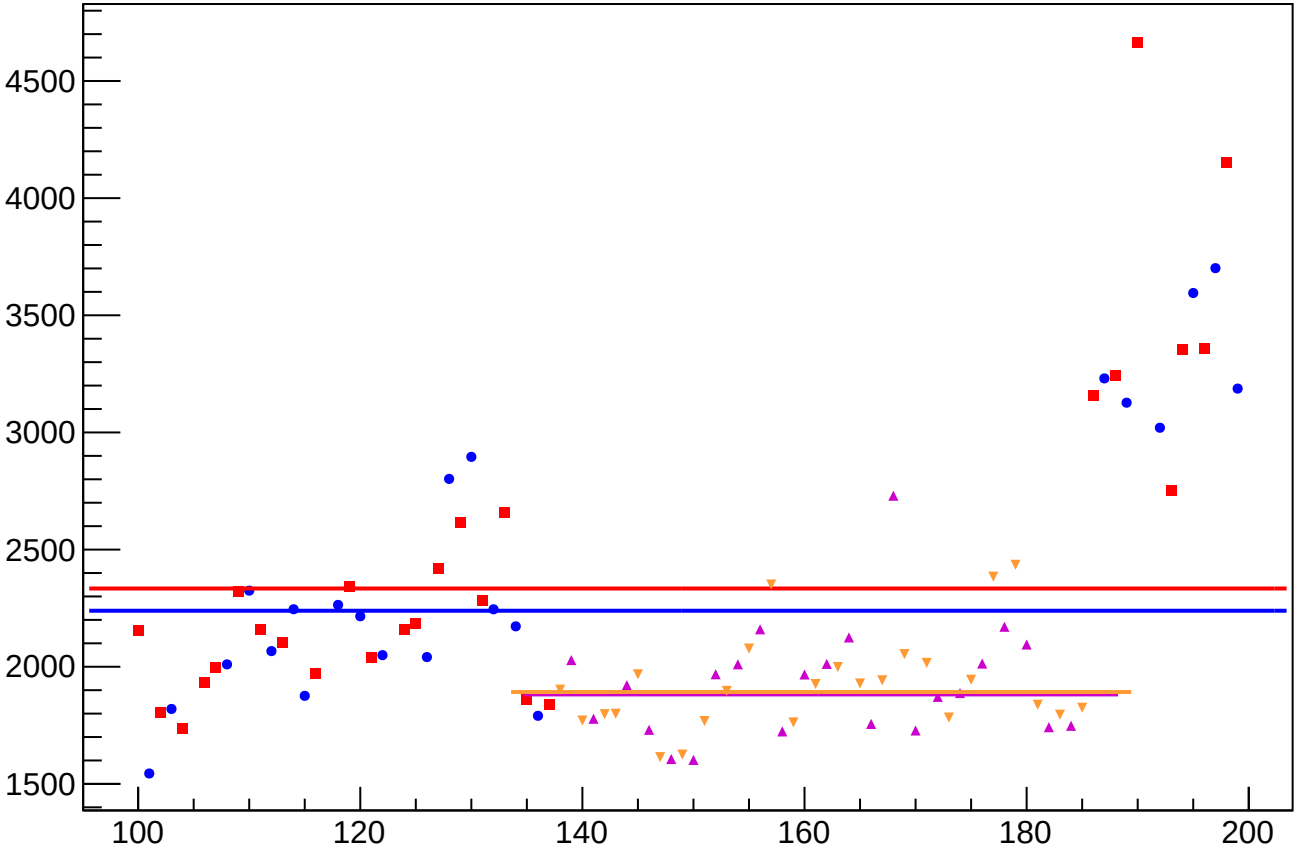
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1713.479+/-366.010 χ^2/NDF: 48.9/46

All: -417.952+/-260.681 χ^2/NDF: 159.4/95

- sign -2612.224+/-371.366 χ^2/NDF: 41.7/48

asym_usr_rms vs Slug



Right In: 2239.042+/-0.484 χ^2/NDF: 1486810.3/21

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

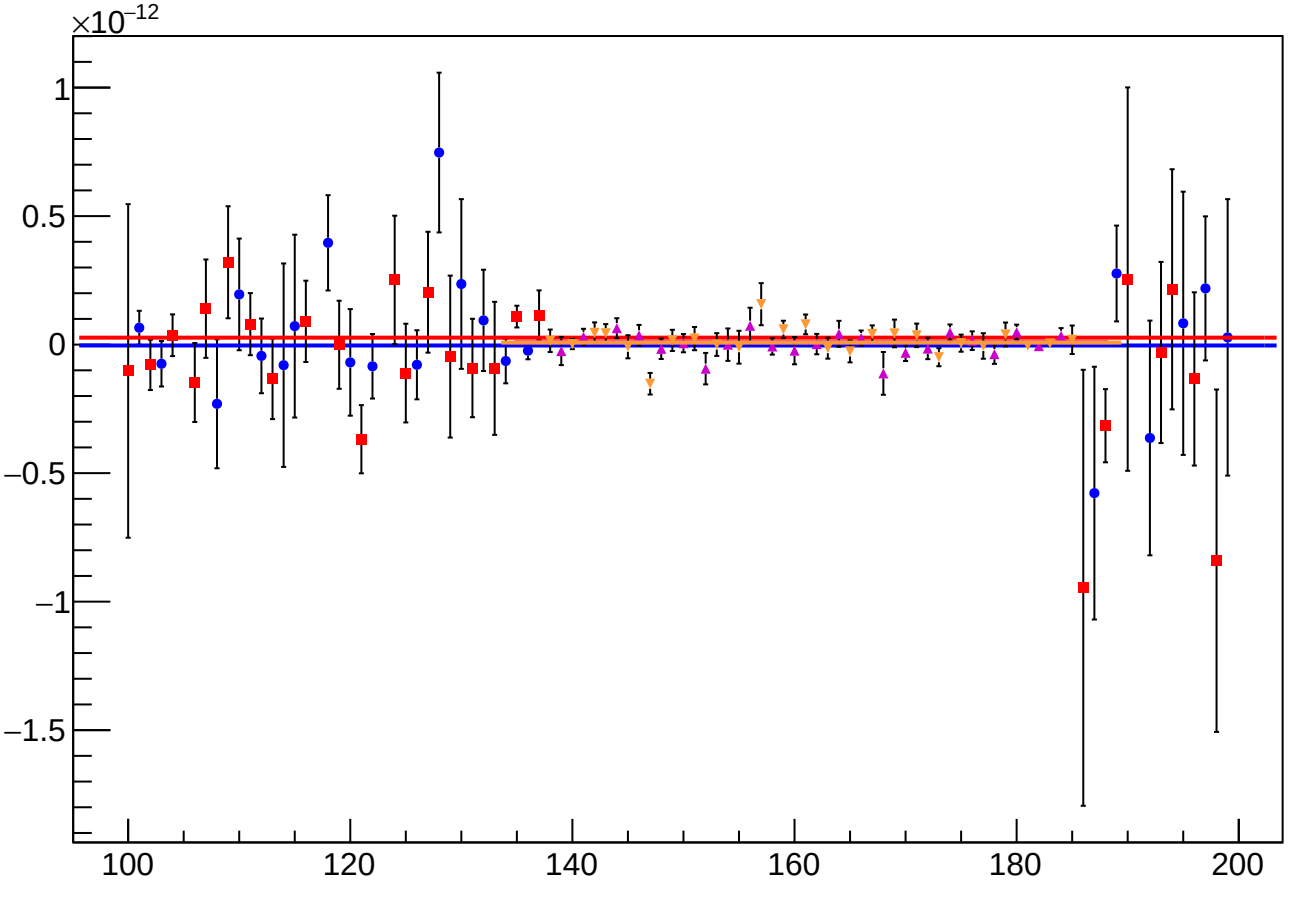
Right Out: 2333.963+/-0.482 χ^2/NDF: 1496916.6/25

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1991.384+/-0.259 χ^2/NDF: 2243488.0/46

All: 2003.613+/-0.184 χ^2/NDF: 4826522.4/95

- sign 2016.204+/-0.263 χ^2/NDF: 2578502.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/25

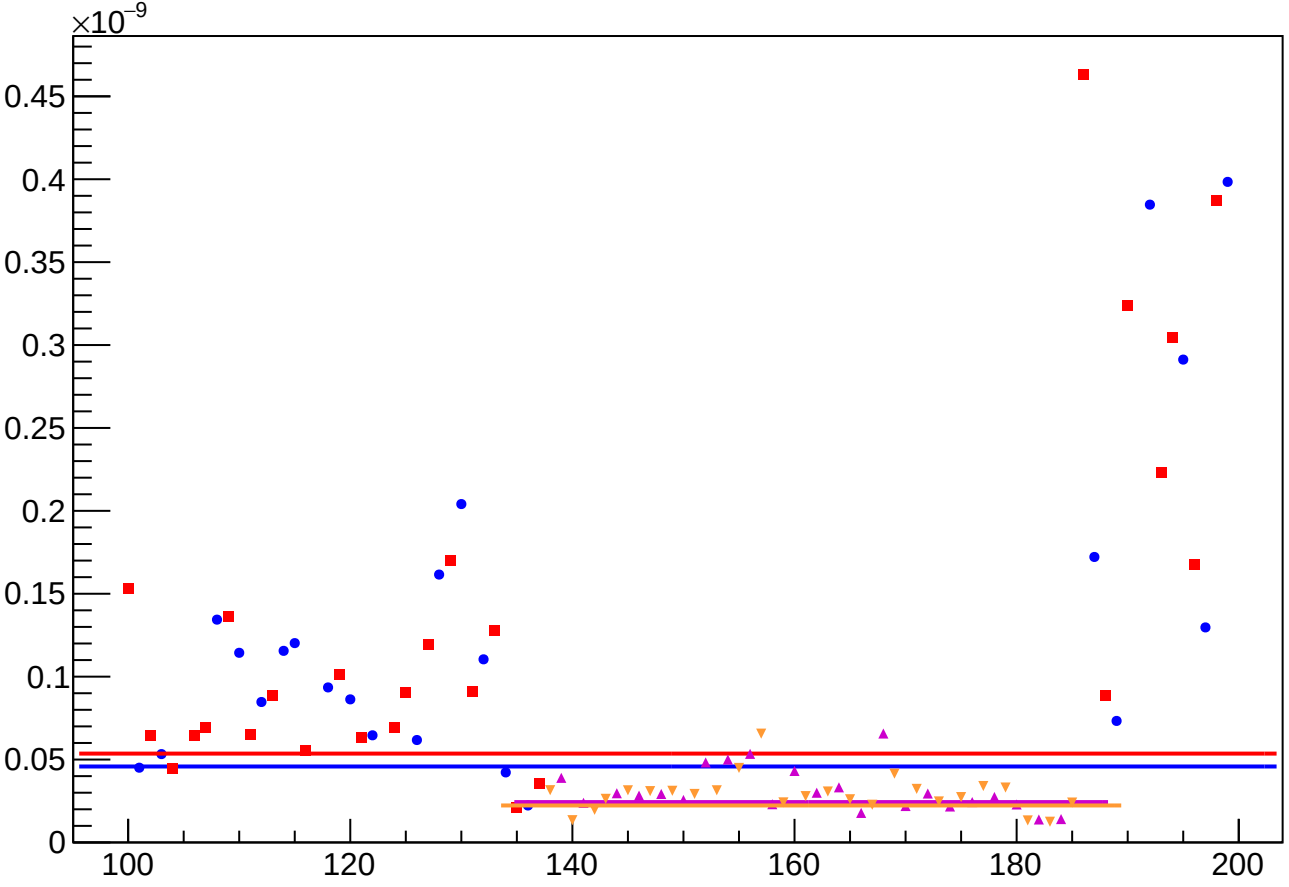
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/46

All: 0.000+/-0.000 χ^2/NDF: 105.0/95

- 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: 5753715.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5300283.9/25

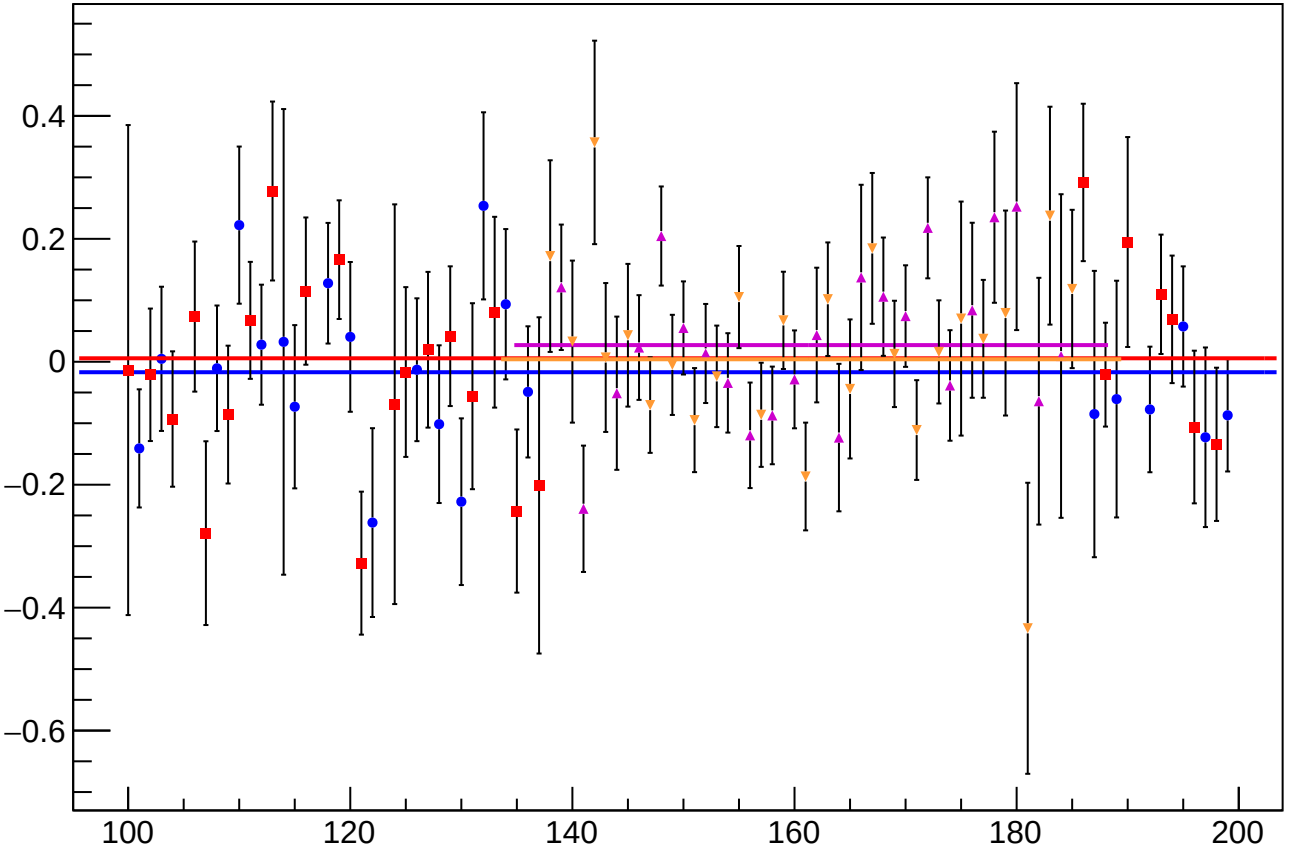
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11171816.2/46

All: 0.000+/-0.000 χ^2/NDF: 22008709.6/95

- sign 0.000+/-0.000 χ^2/NDF: 10712742.2/48

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.006+/-0.024 χ^2/NDF: 35.8/25

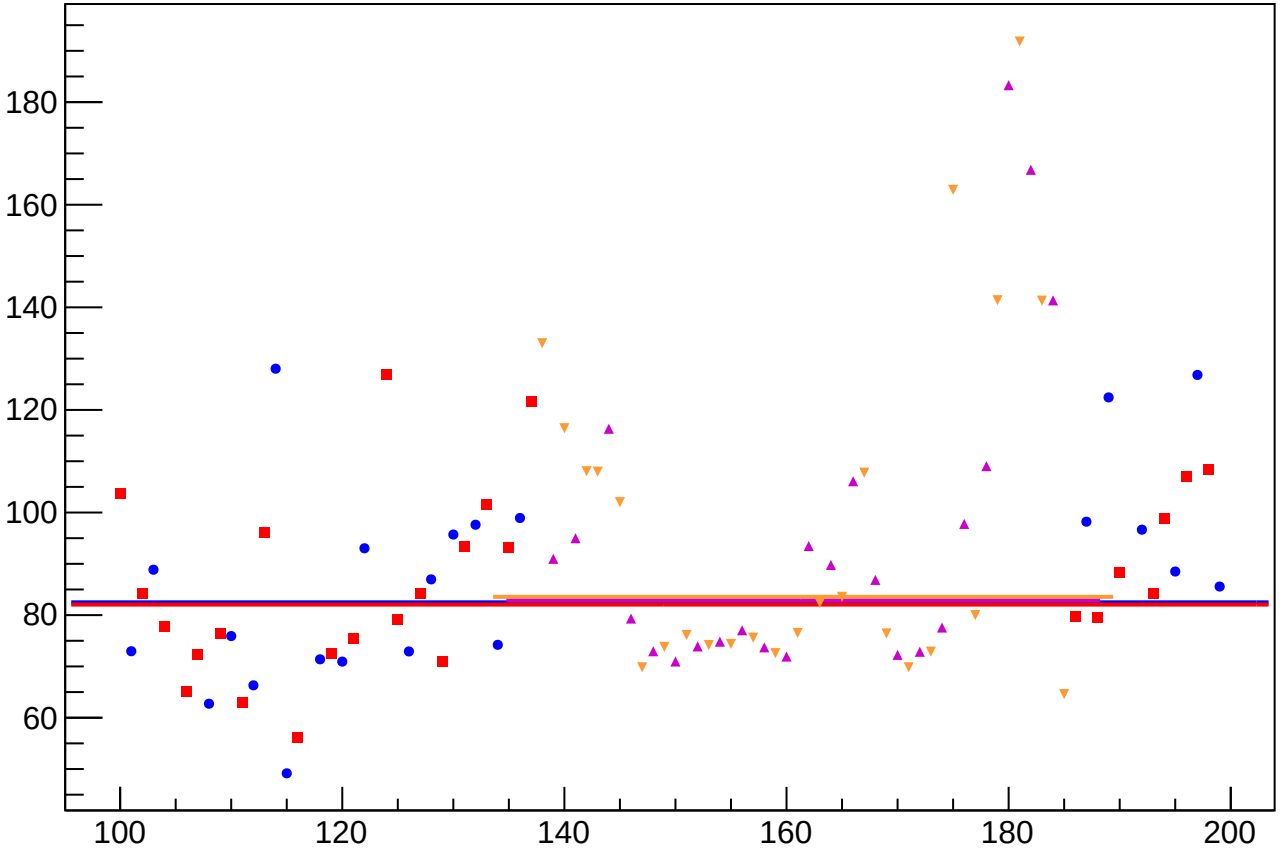
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.004+/-0.016 χ^2/NDF: 48.2/46

All: 0.007+/-0.011 χ^2/NDF: 117.4/95

- sign 0.018+/-0.016 χ^2/NDF: 68.2/48

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 82.495+/-0.018 χ^2/NDF: 807626.3/21

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 82.054+/-0.017 χ^2/NDF: 664634.6/25

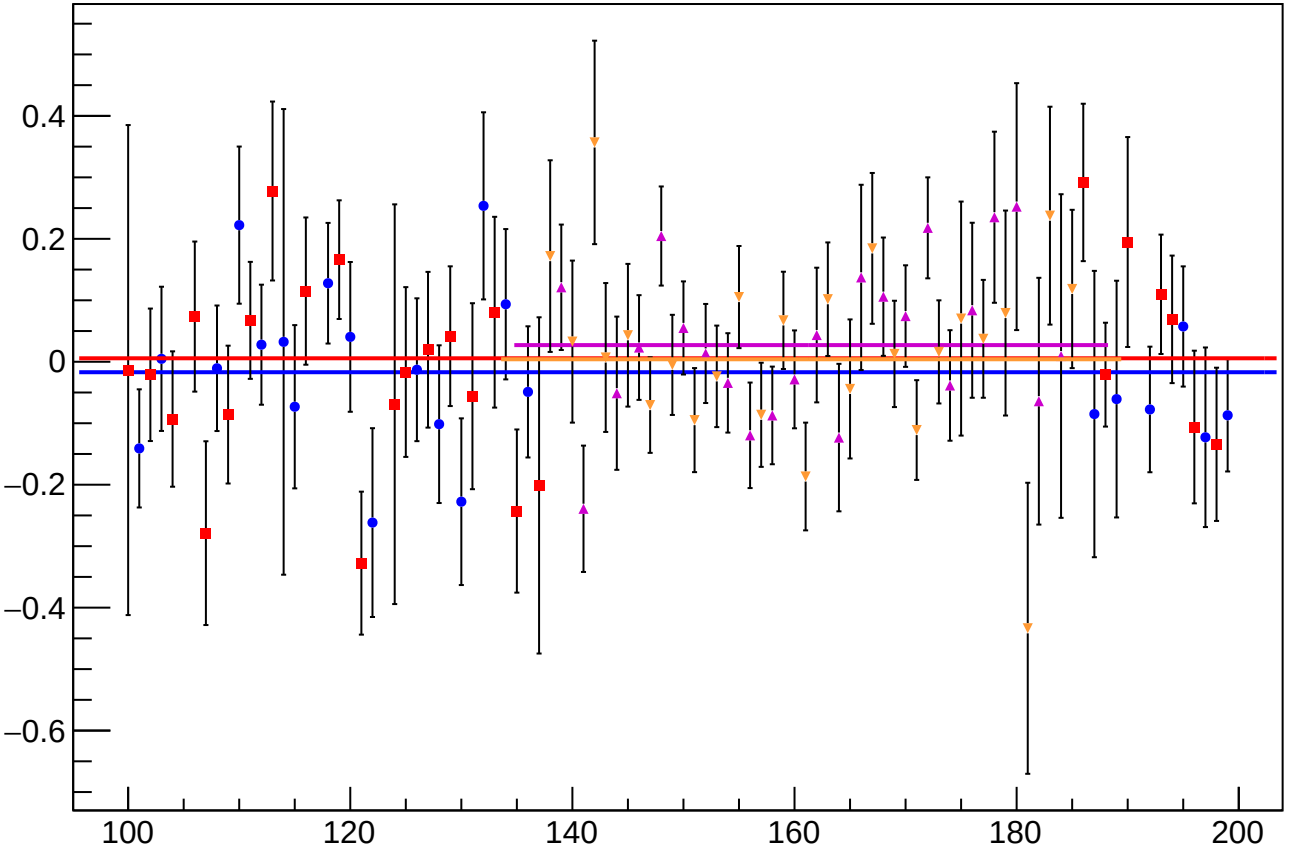
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 83.152+/-0.011 χ^2/NDF: 2982695.2/46

All: 82.843+/-0.008 χ^2/NDF: 5223209.0/95

- sign 82.542+/-0.011 χ^2/NDF: 2239020.1/48

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.006+/-0.024 χ^2/NDF: 35.8/25

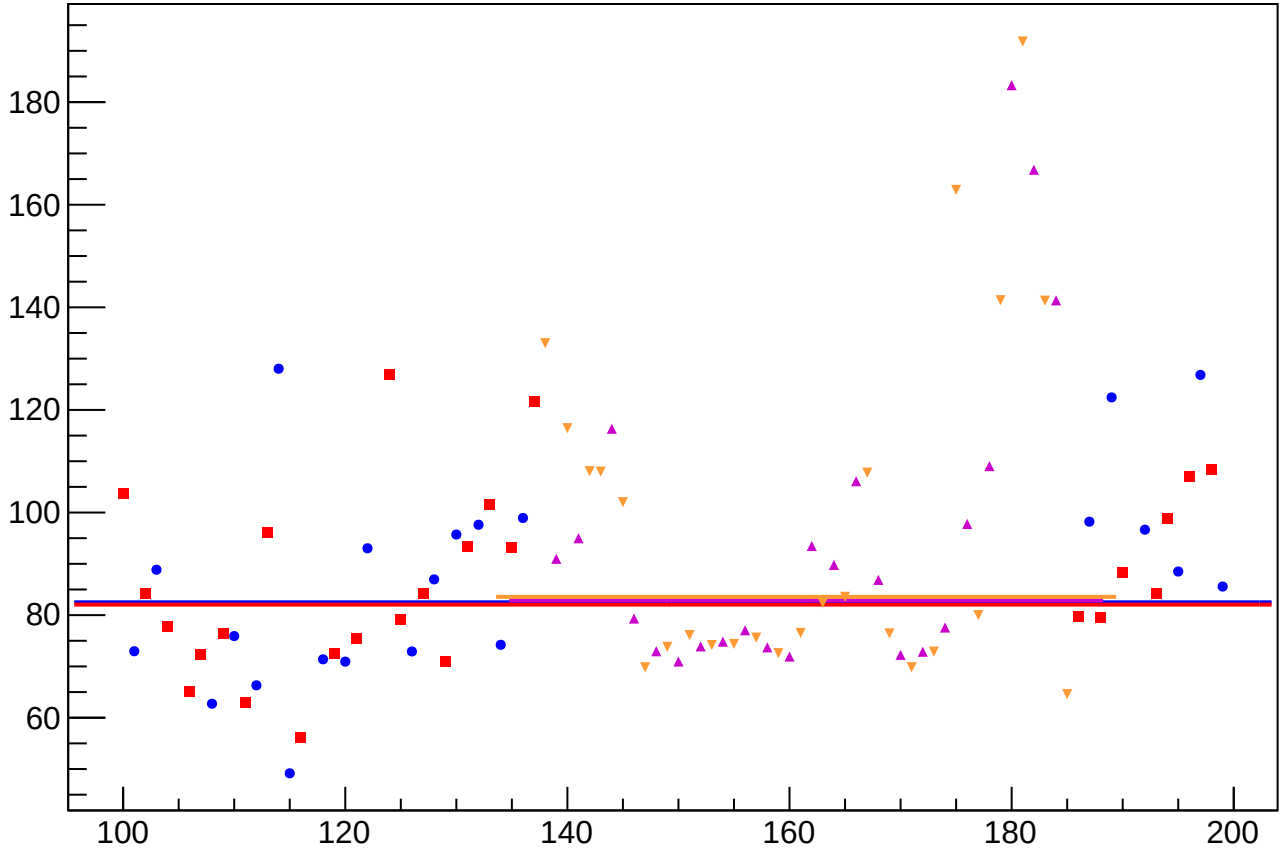
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.004+/-0.016 χ^2/NDF: 48.2/46

All: 0.007+/-0.011 χ^2/NDF: 117.4/95

- sign 0.018+/-0.016 χ^2/NDF: 68.2/48

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 82.495+/-0.018 χ^2/NDF: 807626.3/21

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 82.054+/-0.017 χ^2/NDF: 664634.6/25

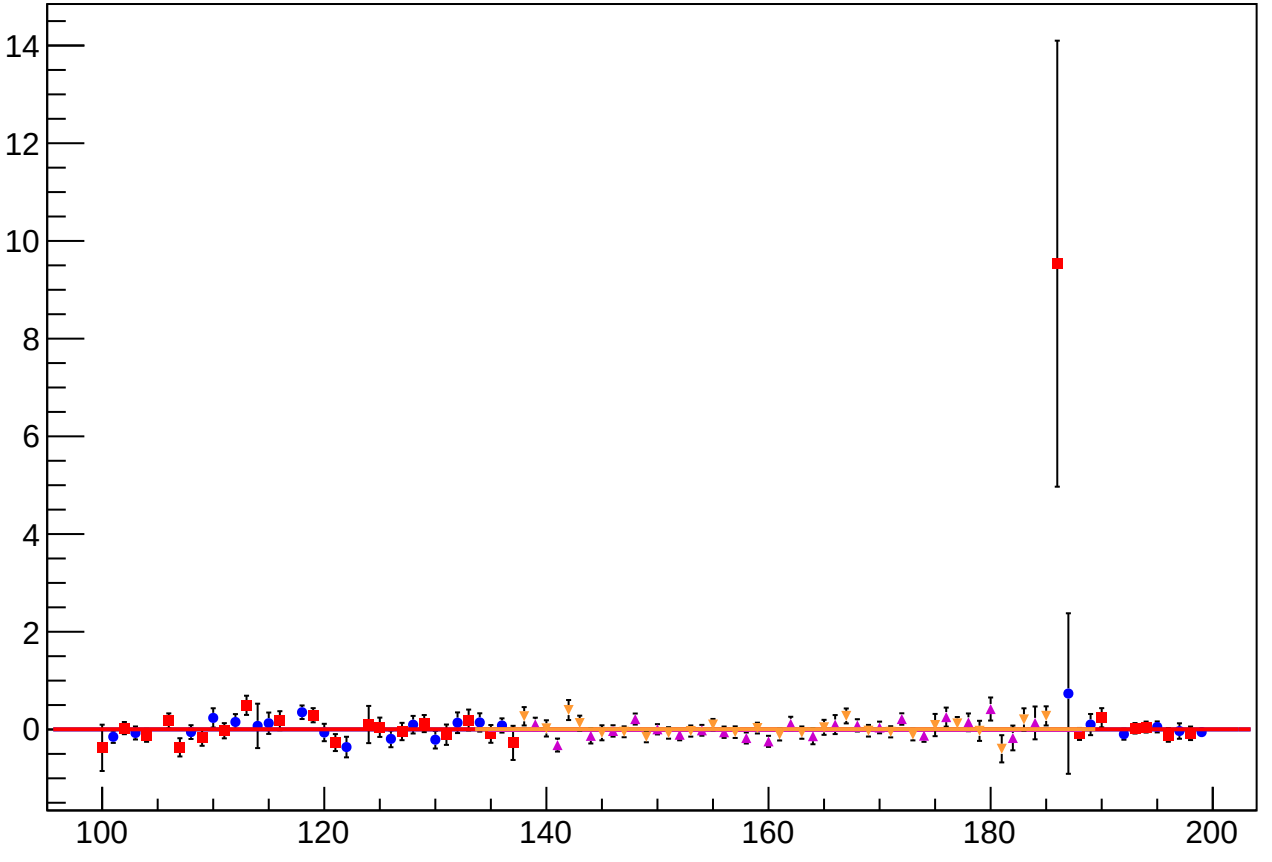
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 83.152+/-0.011 χ^2/NDF: 2982695.2/46

All: 82.843+/-0.008 χ^2/NDF: 5223209.0/95

- sign 82.542+/-0.011 χ^2/NDF: 2239020.1/48

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.001+/-0.034 χ^2/NDF: 20.0/21

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.004+/-0.032 χ^2/NDF: 31.5/25

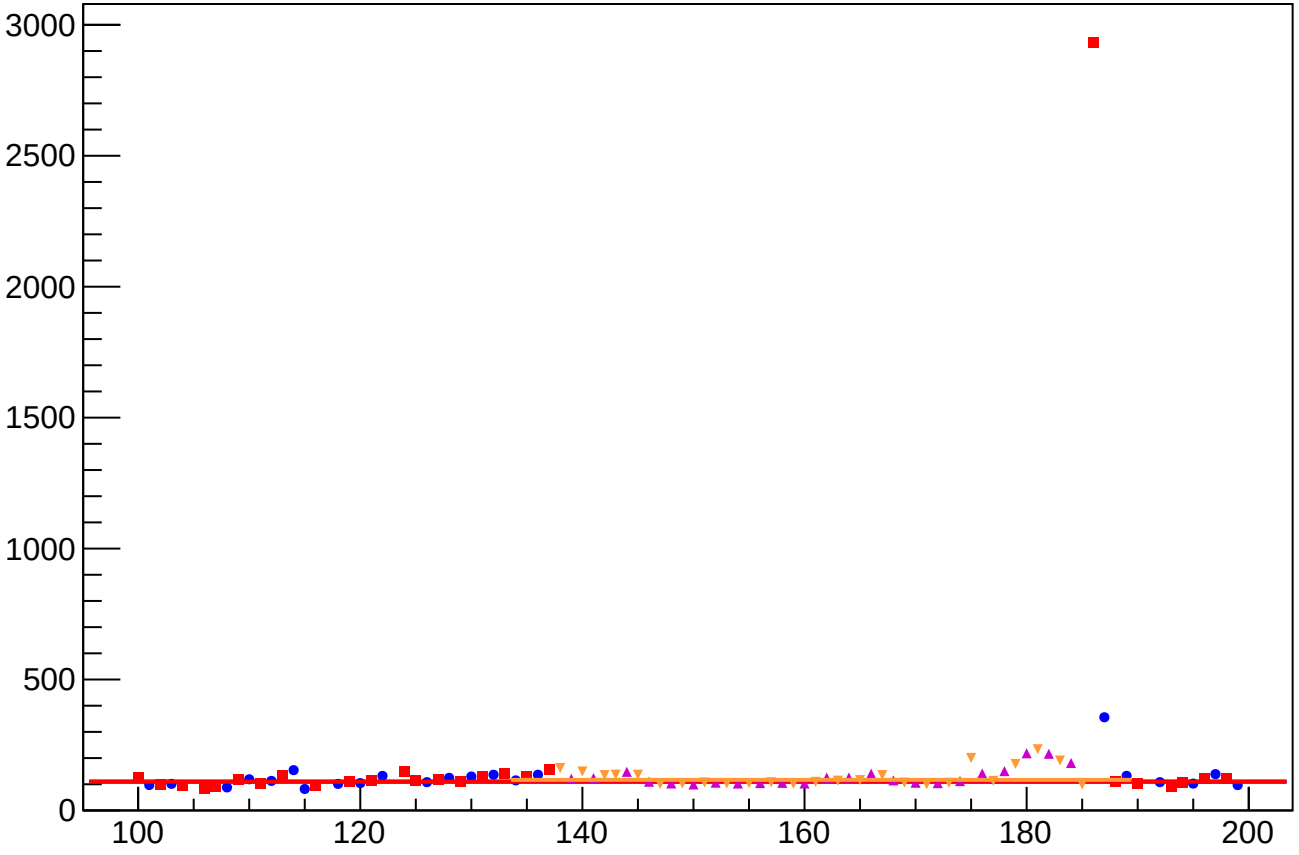
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.004+/-0.021 χ^2/NDF: 41.3/46

All: -0.000+/-0.015 χ^2/NDF: 104.3/95

- sign -0.004+/-0.021 χ^2/NDF: 62.9/48

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.169+/-0.024 χ^2/NDF: 472597.7/21

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 109.672+/-0.023 χ^2/NDF: 1170638.4/25

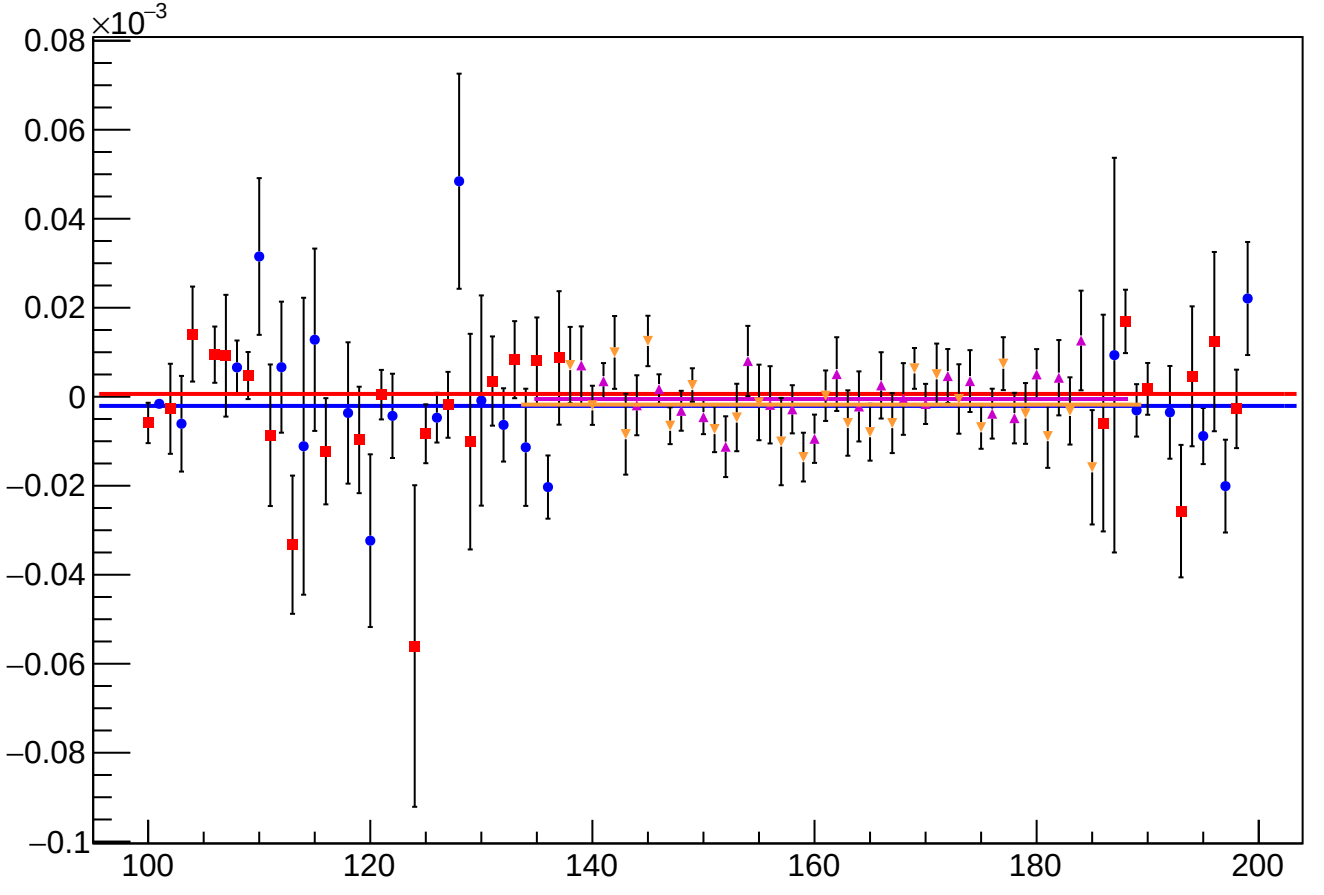
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 114.183+/-0.015 χ^2/NDF: 2116501.9/46

All: 113.688+/-0.011 χ^2/NDF: 4562048.3/95

- 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: 29.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/25

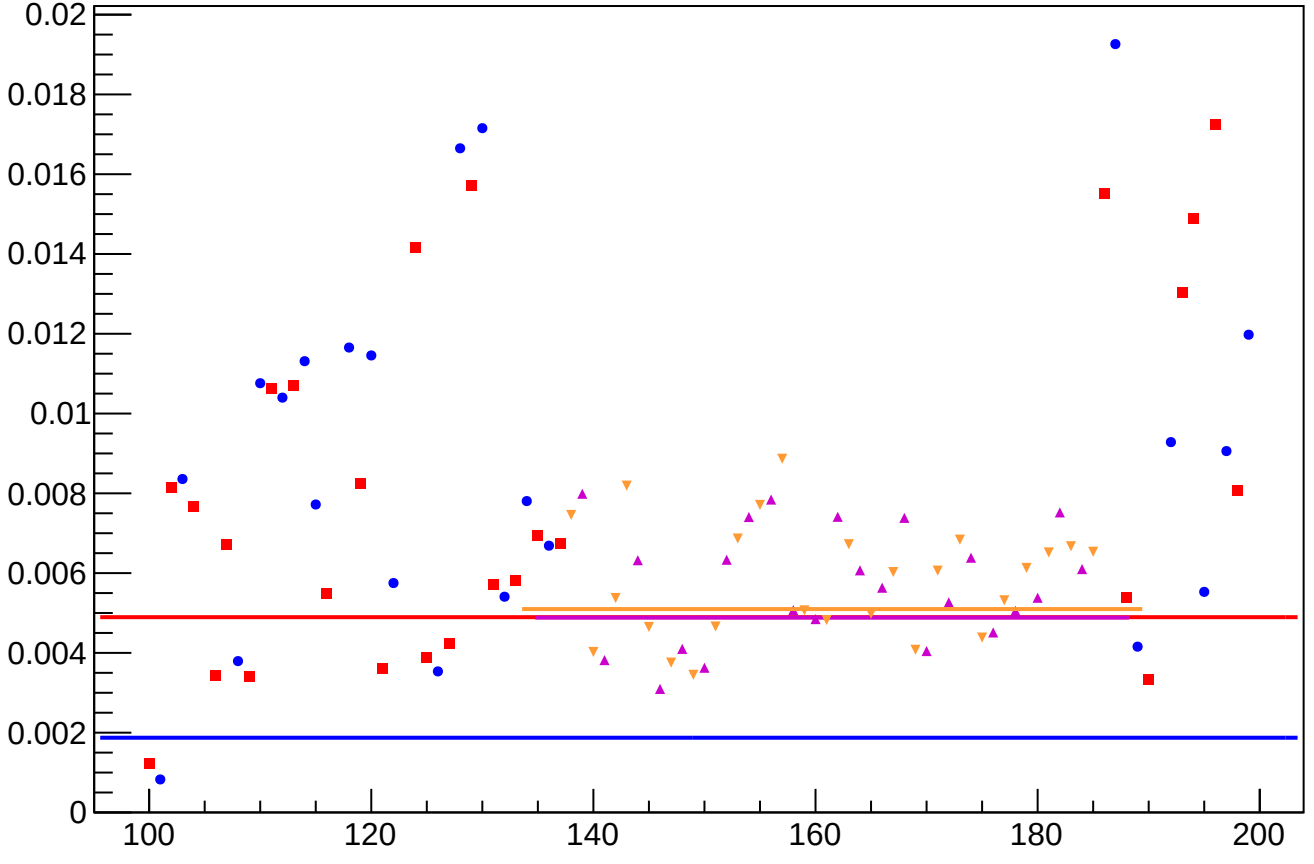
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/46

All: -0.000+/-0.000 χ^2/NDF: 107.6/95

- 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: 13978939.2/21

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 6462801.5/25

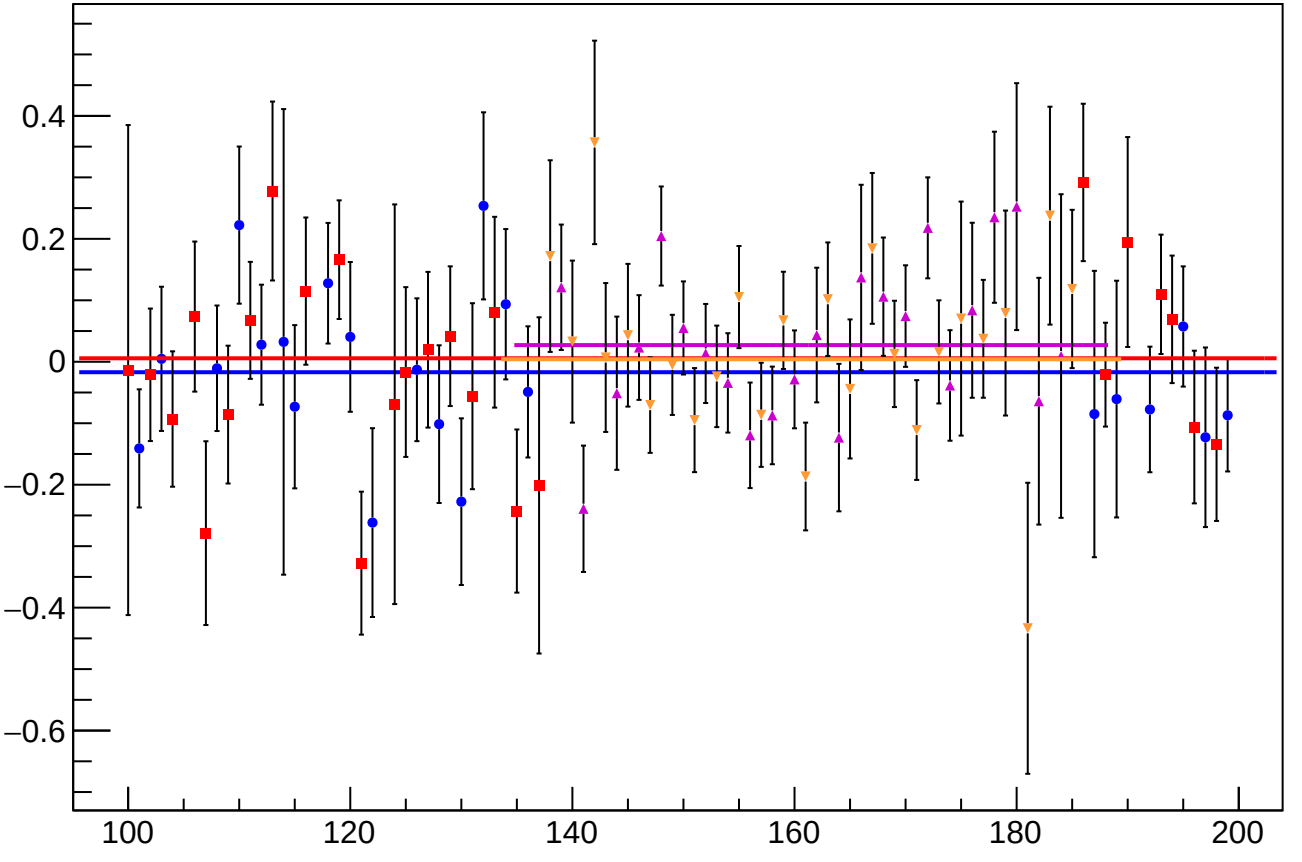
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 25215634.9/46

All: 0.004+/-0.000 χ^2/NDF: 38728376.5/95

- sign 0.005+/-0.000 χ^2/NDF: 9188320.5/48

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.006+/-0.024 χ^2/NDF: 35.8/25

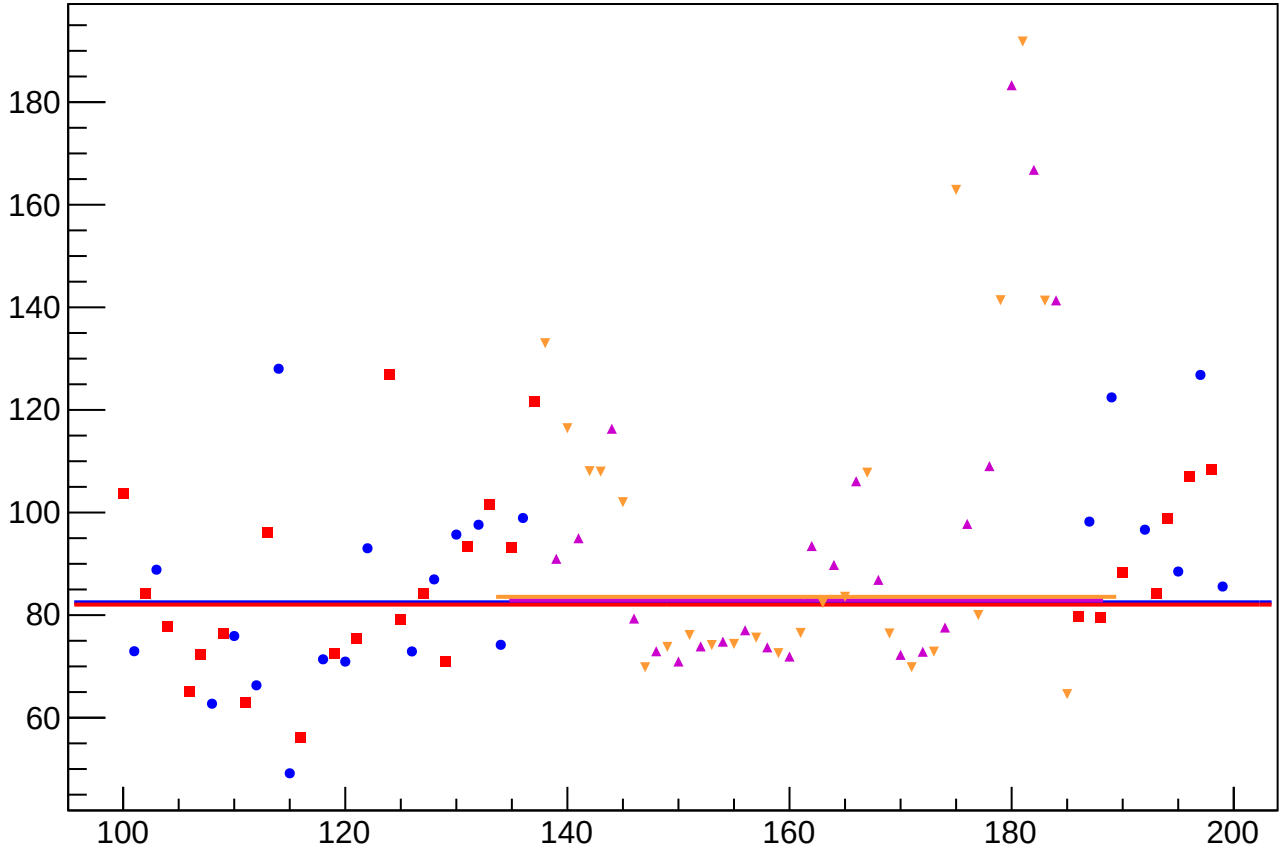
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.004+/-0.016 χ^2/NDF: 48.2/46

All: 0.007+/-0.011 χ^2/NDF: 117.4/95

- sign 0.018+/-0.016 χ^2/NDF: 68.2/48

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 82.493+/-0.018 χ^2/NDF: 807645.8/21

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

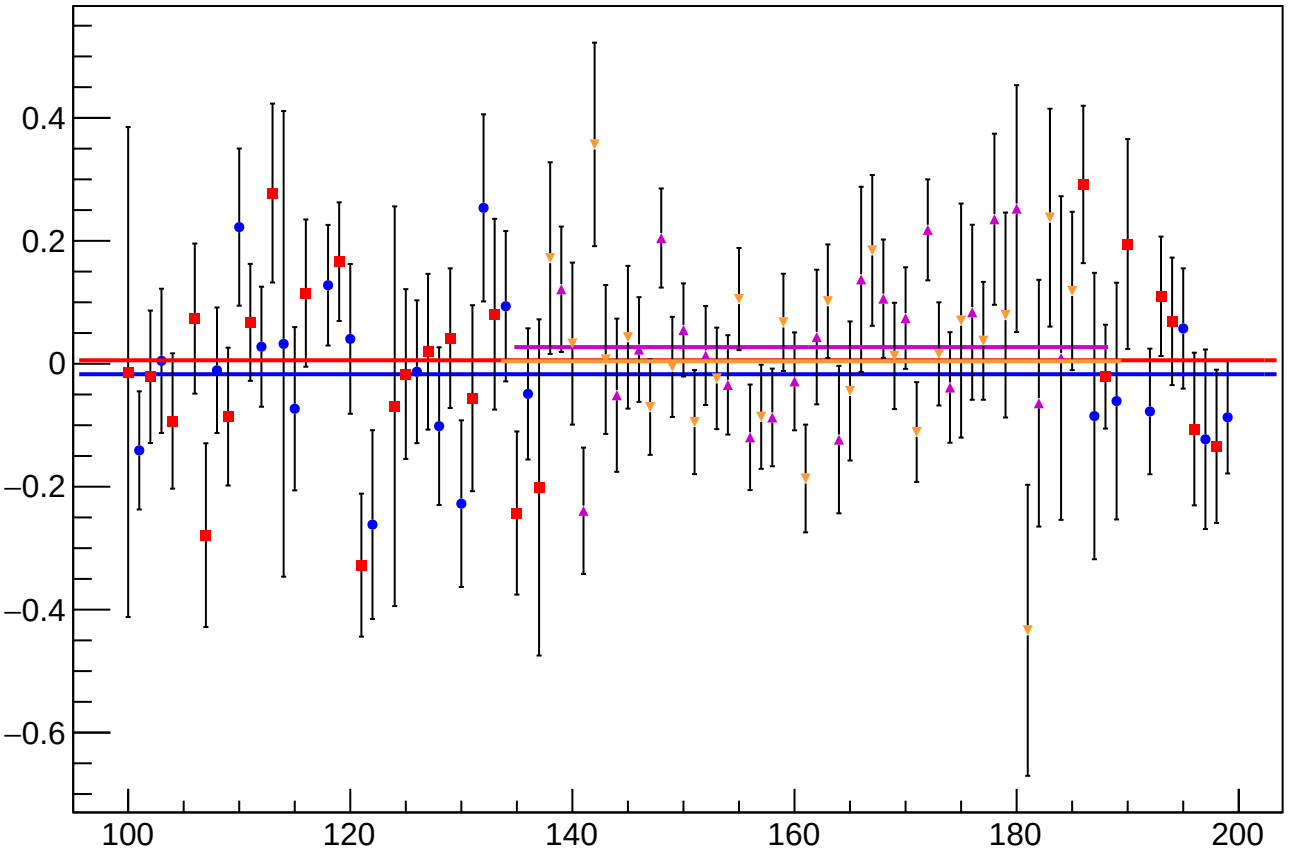
Right Out: 82.053+/-0.017 χ^2/NDF: 664649.0/25

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

\+ sign 83.152+/-0.011 χ^2/NDF: 2982712.4/46

All: 82.842+/-0.008 χ^2/NDF: 5223225.4/95

\- sign 82.541+/-0.011 χ^2/NDF: 2239018.5/48



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

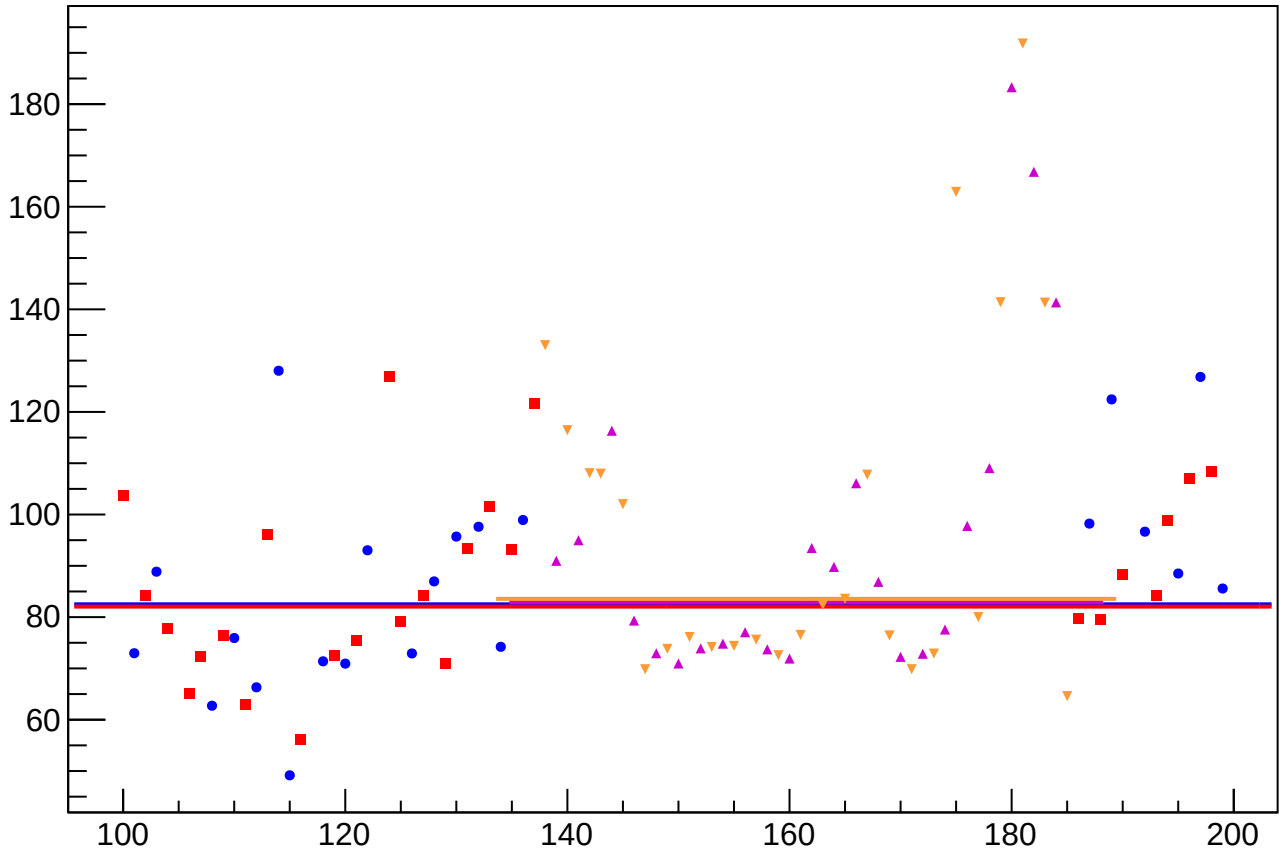
Right Out: 0.006+/-0.024 χ^2/NDF: 35.8/25

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

\+ sign -0.004+/-0.016 χ^2/NDF: 48.2/46

All: 0.007+/-0.011 χ^2/NDF: 117.4/95

\- sign 0.018+/-0.016 χ^2/NDF: 68.2/48



Right In: 82.493+/-0.018 χ^2/NDF: 807645.8/21

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

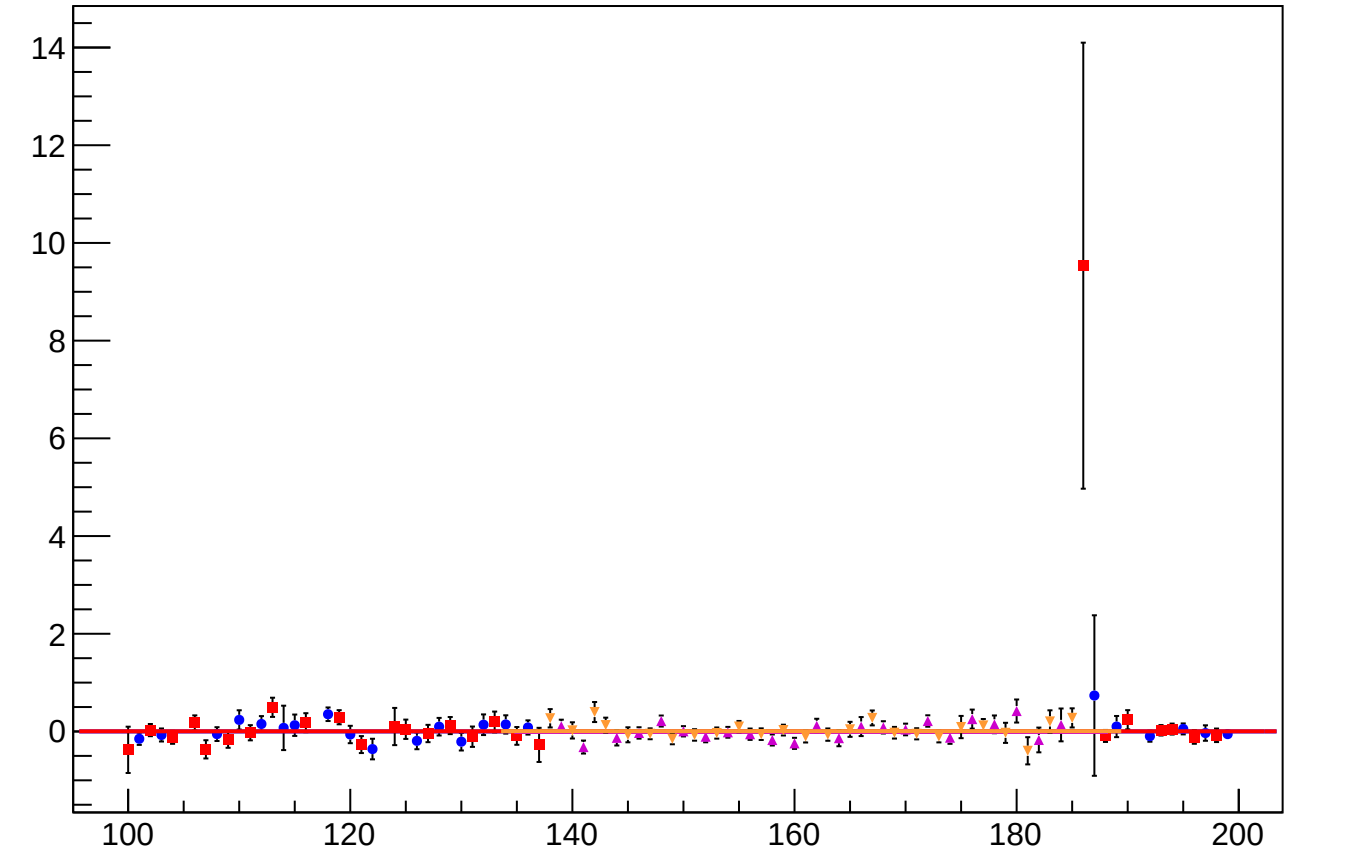
Right Out: 82.053+/-0.017 χ^2/NDF: 664649.0/25

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

\+ sign 83.152+/-0.011 χ^2/NDF: 2982712.4/46

All: 82.842+/-0.008 χ^2/NDF: 5223225.4/95

\- sign 82.541+/-0.011 χ^2/NDF: 2239018.5/48



Right In: 0.001+/-0.034 χ^2/NDF: 20.0/21

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

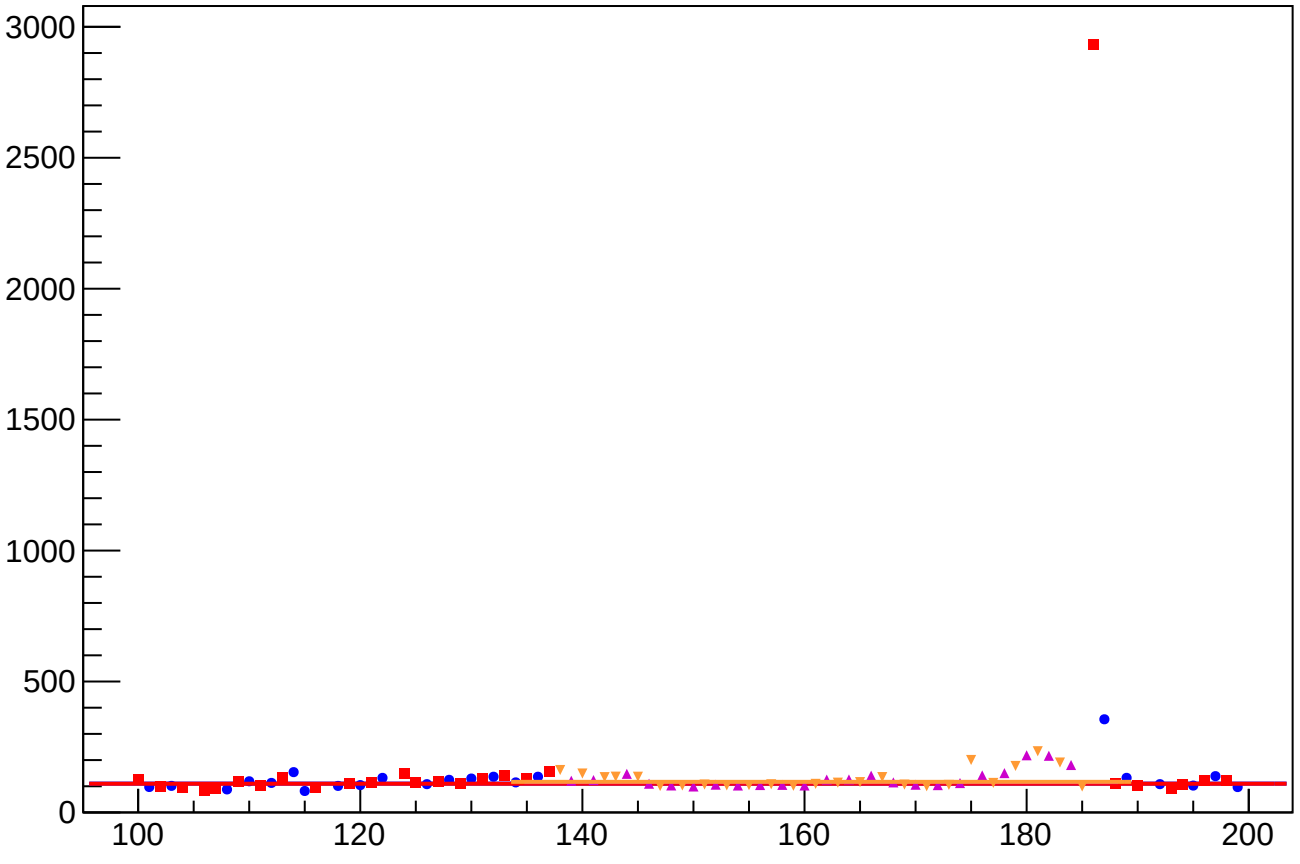
Right Out: 0.004+/-0.032 χ^2/NDF: 31.5/25

Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.004+/-0.021 χ^2/NDF: 41.3/46

All: -0.000+/-0.015 χ^2/NDF: 104.3/95

- sign -0.004+/-0.021 χ^2/NDF: 62.9/48



Right In: 110.168+/-0.024 χ^2/NDF: 472568.5/21

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 109.672+/-0.023 χ^2/NDF: 1170612.0/25

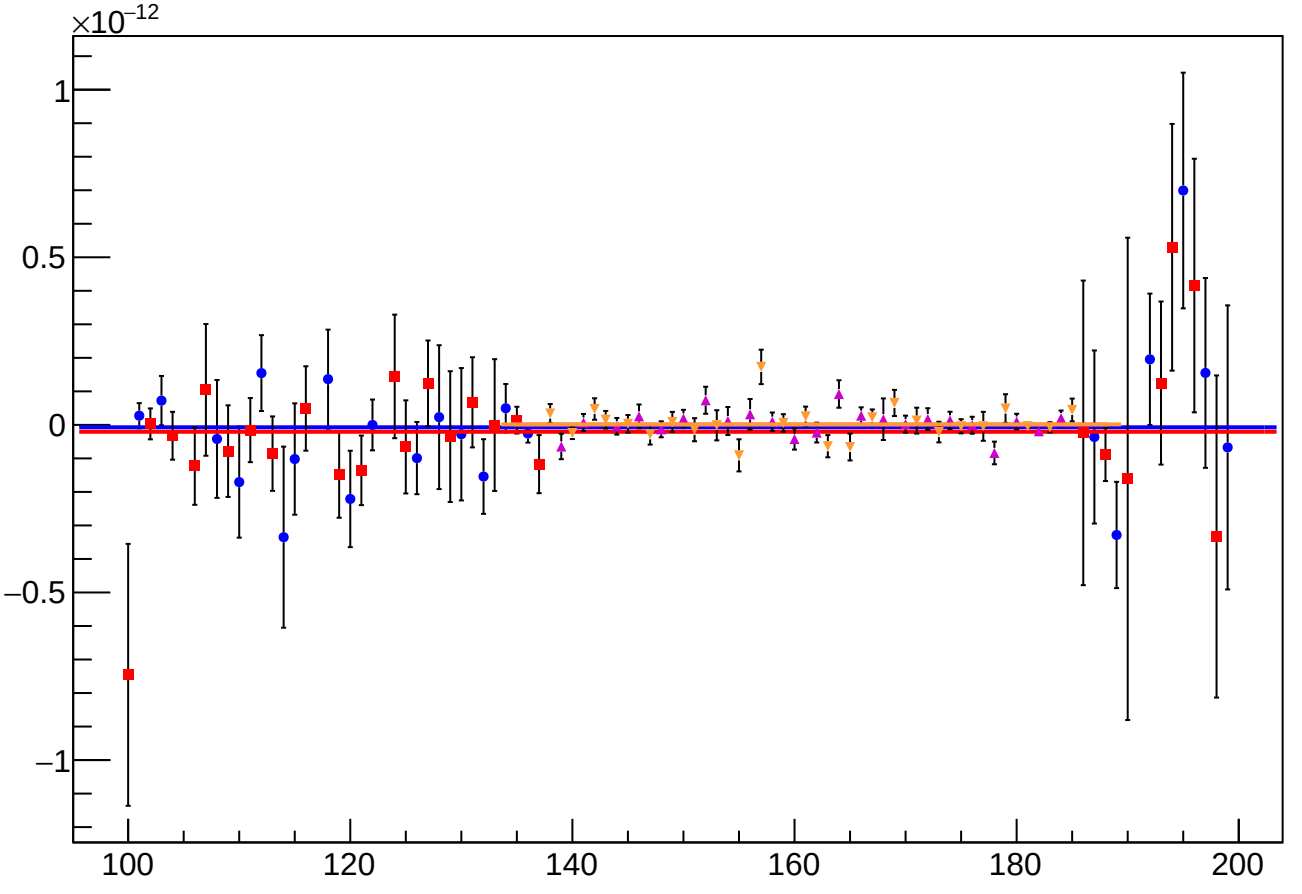
Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 114.182+/-0.015 χ^2/NDF: 2116485.5/46

All: 113.688+/-0.011 χ^2/NDF: 4562008.6/95

- sign 113.202+/-0.015 χ^2/NDF: 2443417.8/48

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

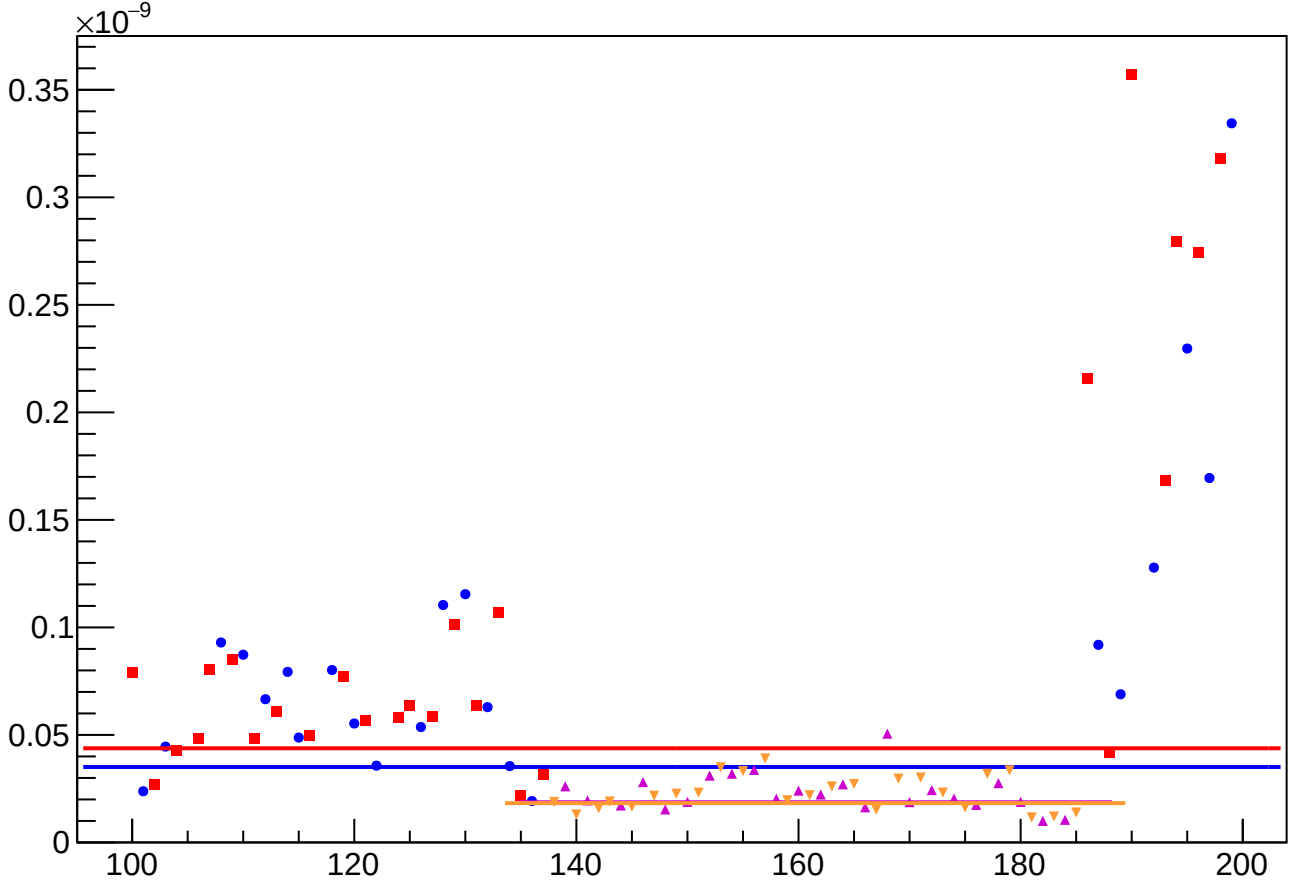
Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/25

Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/46

All: -0.000+/-0.000 χ^2/NDF: 105.5/95

- sign -0.000+/-0.000 χ^2/NDF: 45.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 5214624.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

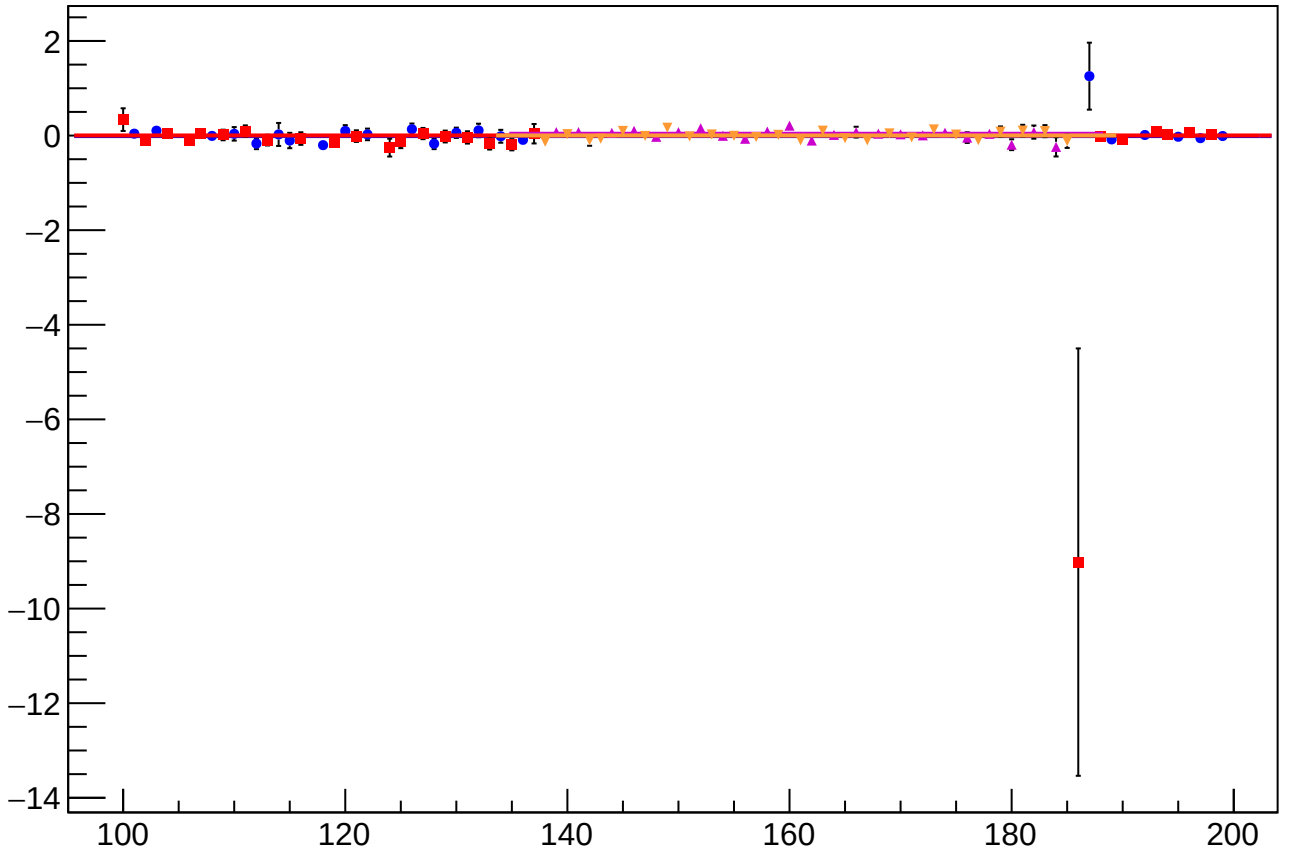
Right Out: 0.000+/-0.000 χ^2/NDF: 5328127.1/25

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9904899.8/46

All: 0.000+/-0.000 χ^2/NDF: 21019907.1/95

- sign 0.000+/-0.000 χ^2/NDF: 11094713.3/48



Right In: -0.011+/-0.016 χ^2/NDF: 22.6/21

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.015 χ^2/NDF: 32.9/25

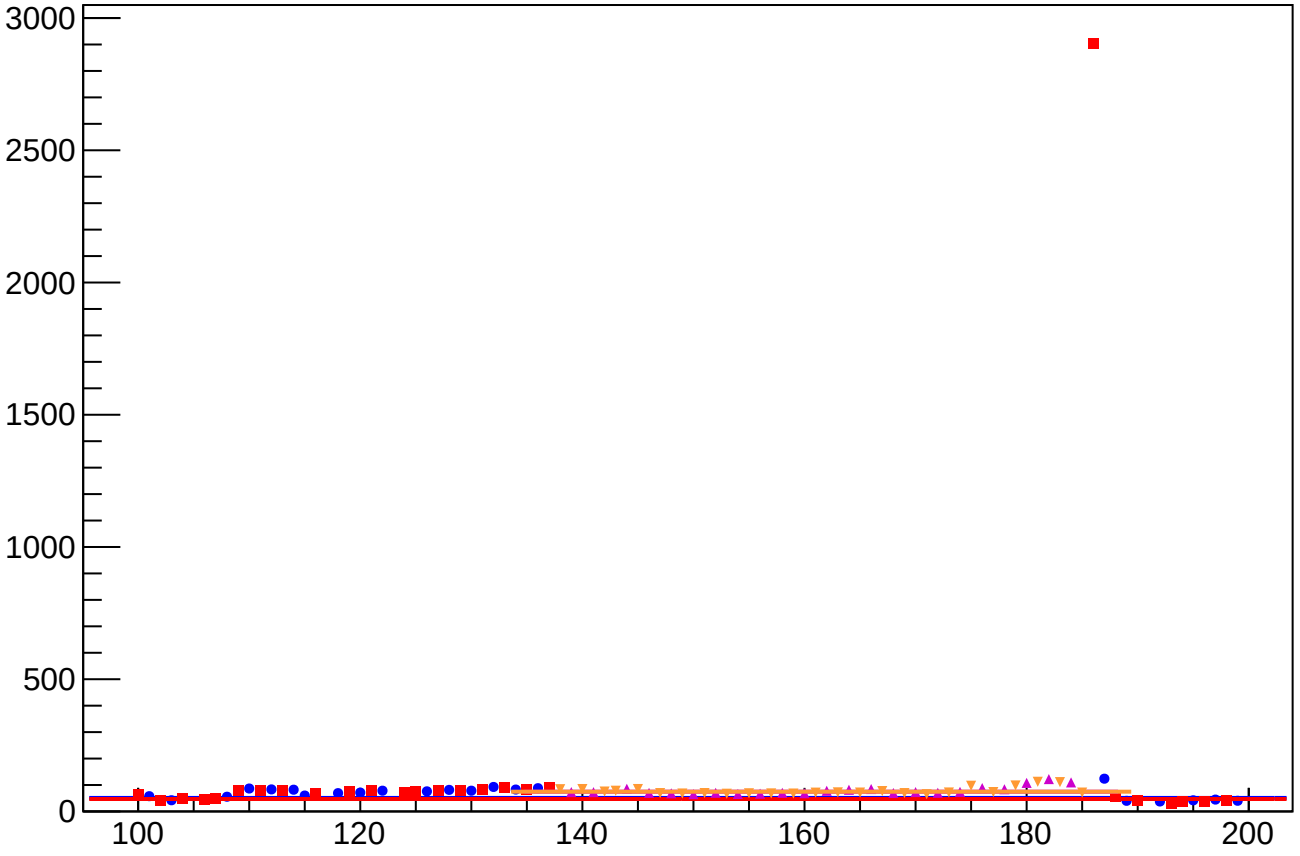
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.004+/-0.012 χ^2/NDF: 44.4/46

All: 0.007+/-0.008 χ^2/NDF: 103.0/95

- sign 0.017+/-0.011 χ^2/NDF: 56.9/48

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 51.113+/-0.012 χ^2/NDF: 2077406.3/21

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

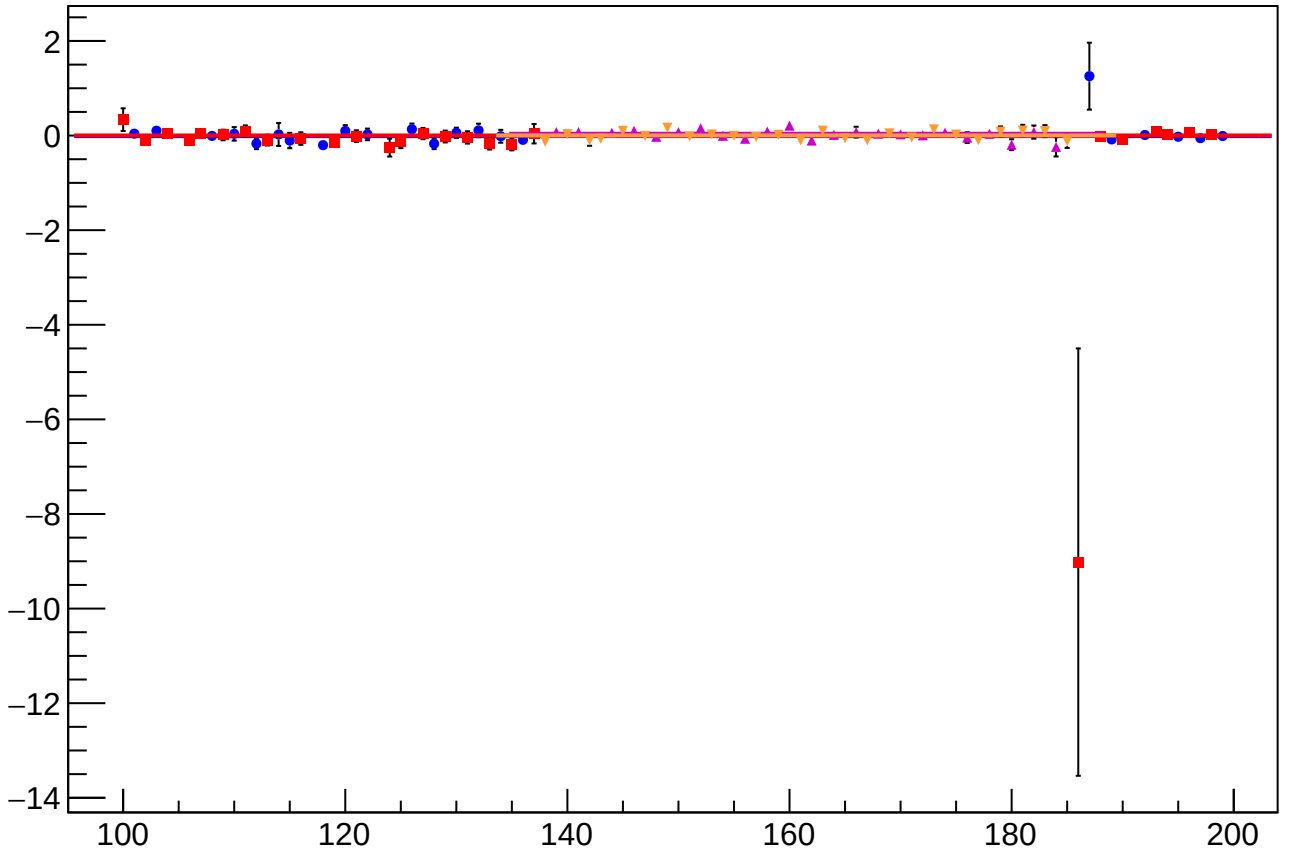
Right Out: 47.104+/-0.011 χ^2/NDF: 3507255.4/25

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 62.149+/-0.008 χ^2/NDF: 4783207.4/46

All: 60.178+/-0.006 χ^2/NDF: 11904632.3/95

- sign 58.360+/-0.008 χ^2/NDF: 7016080.9/48



Right In: -0.011+/-0.016 χ^2/NDF: 22.6/21

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.015 χ^2/NDF: 32.9/25

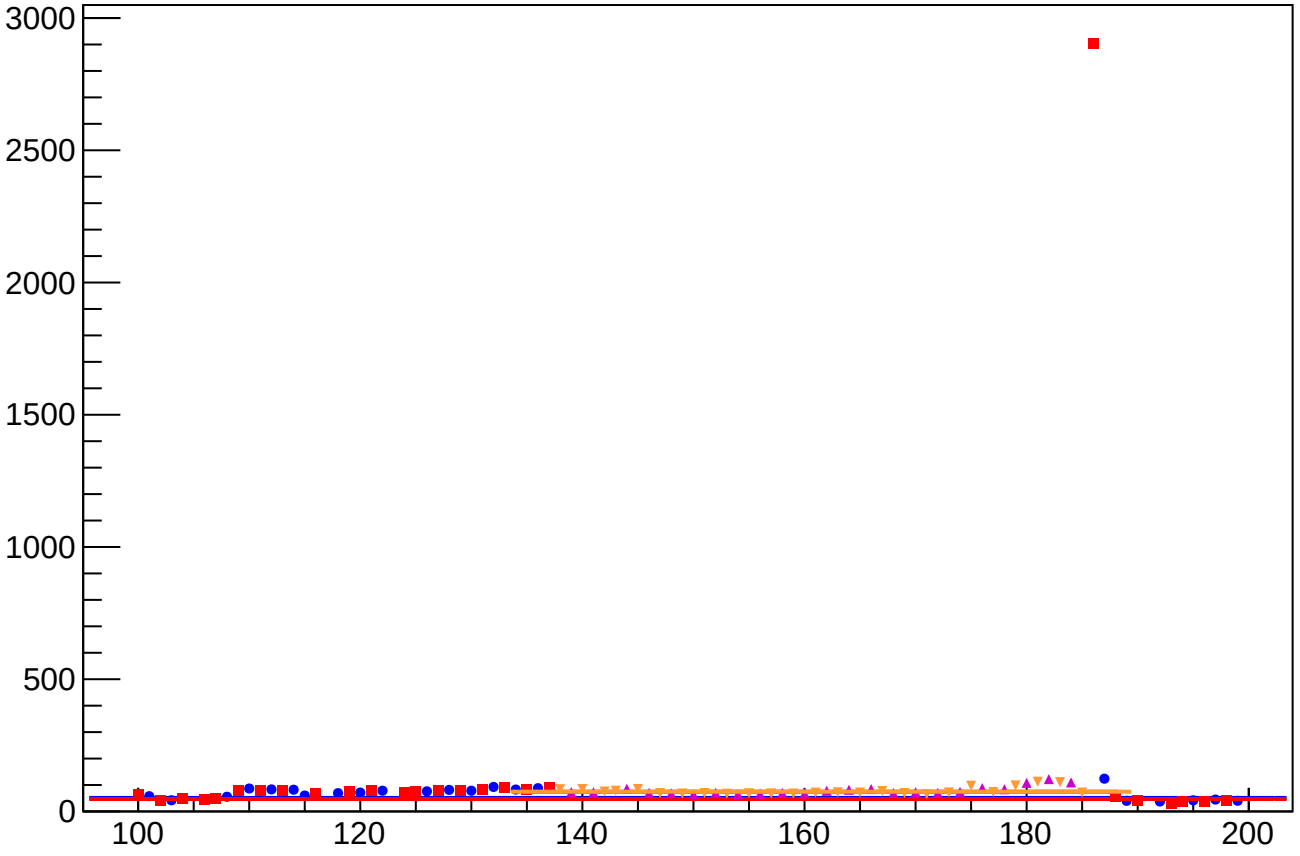
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.004+/-0.012 χ^2/NDF: 44.4/46

All: 0.007+/-0.008 χ^2/NDF: 103.0/95

- sign 0.017+/-0.011 χ^2/NDF: 56.9/48

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 51.113+/-0.012 χ^2/NDF: 2077406.3/21

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 47.104+/-0.011 χ^2/NDF: 3507255.4/25

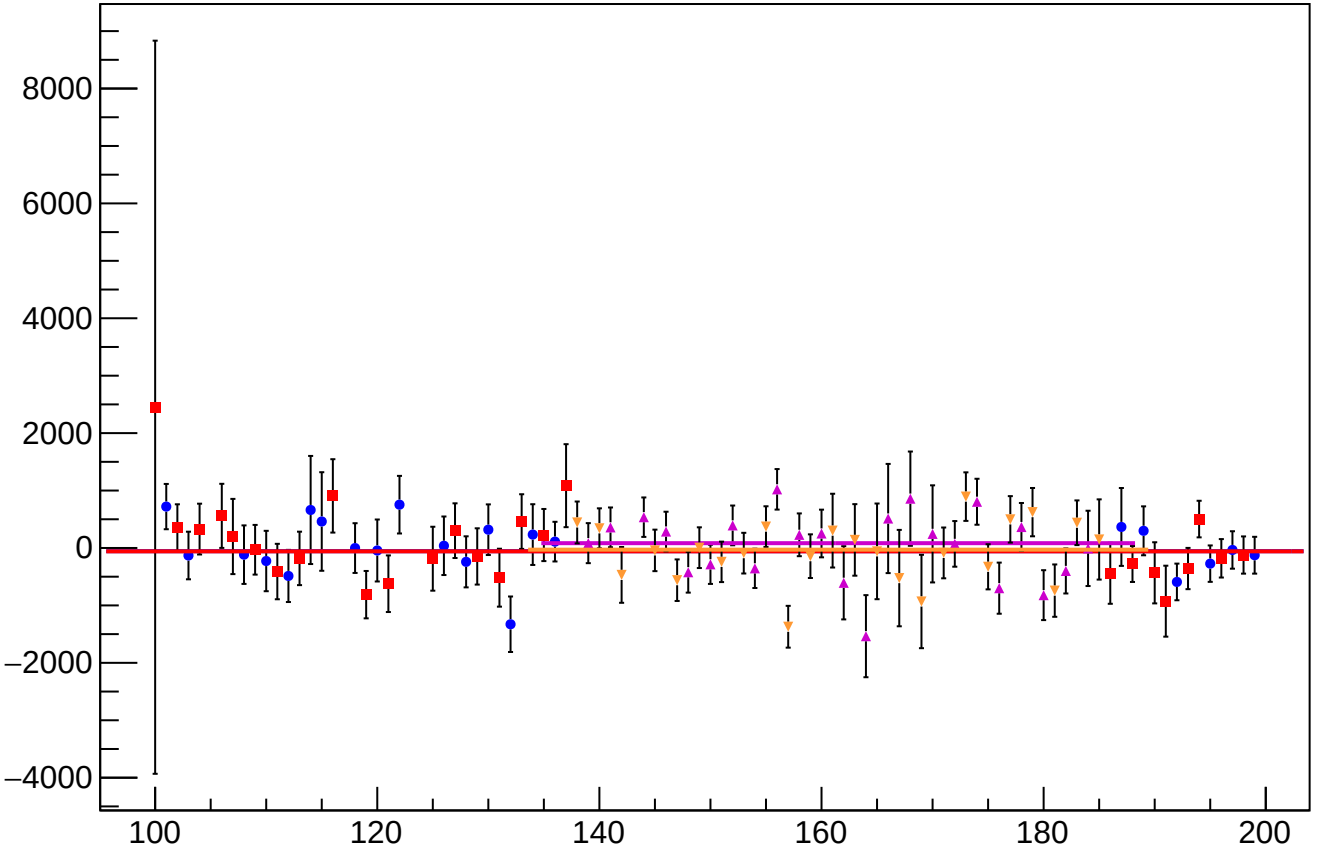
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 62.149+/-0.008 χ^2/NDF: 4783207.4/46

All: 60.178+/-0.006 χ^2/NDF: 11904632.3/95

- sign 58.360+/-0.008 χ^2/NDF: 7016080.9/48

asym_dsl_mean vs Slug



Right In: -56.068+/-92.566 χ^2/NDF: 21.3/21

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -58.490+/-88.976 χ^2/NDF: 23.9/25

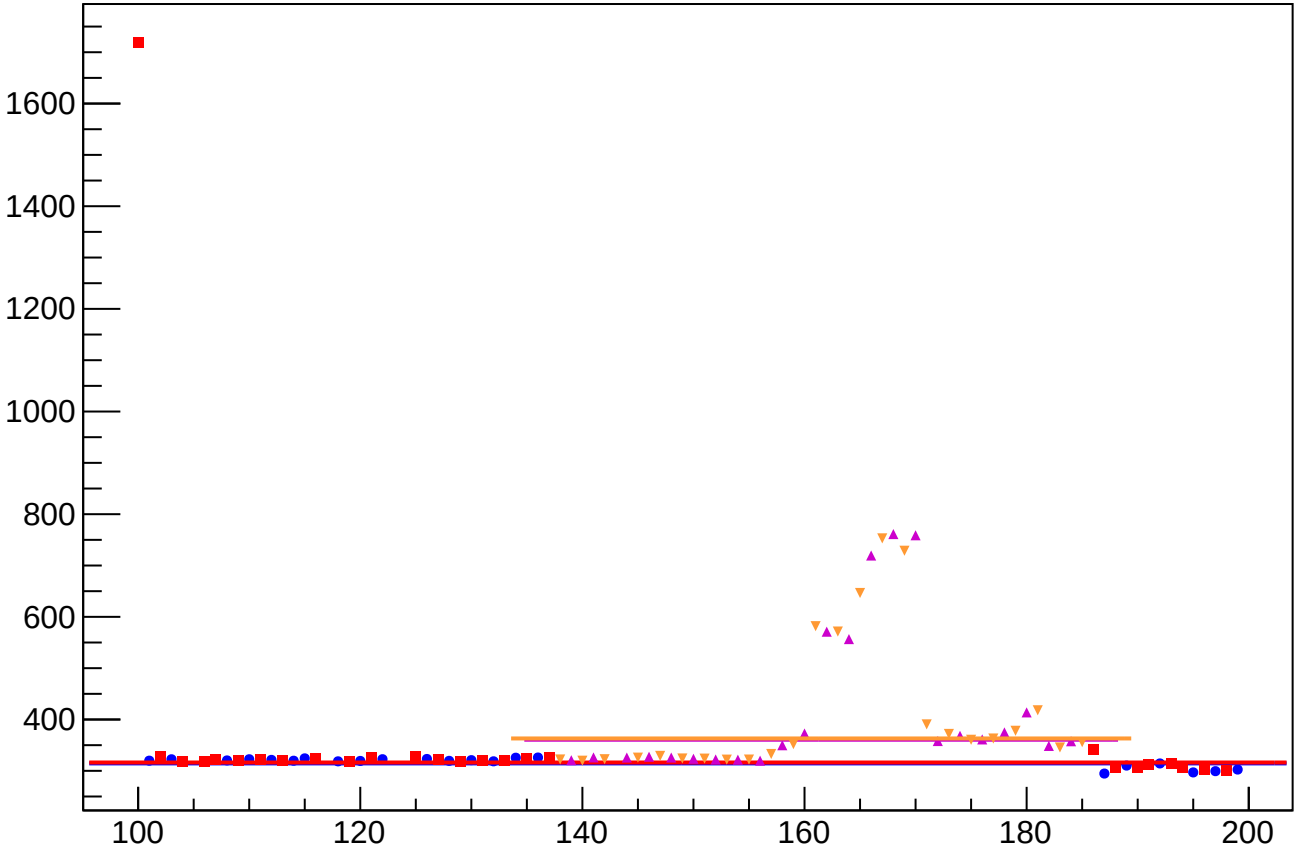
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

\+ sign -41.808+/-63.212 χ^2/NDF: 57.9/45

All: -13.043+/-44.268 χ^2/NDF: 119.4/94

\- sign 14.640+/-62.013 χ^2/NDF: 61.0/48

asym_dsl_rms vs Slug



Right In: 314.469+/-0.065 χ^2/NDF: 23056.0/21

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

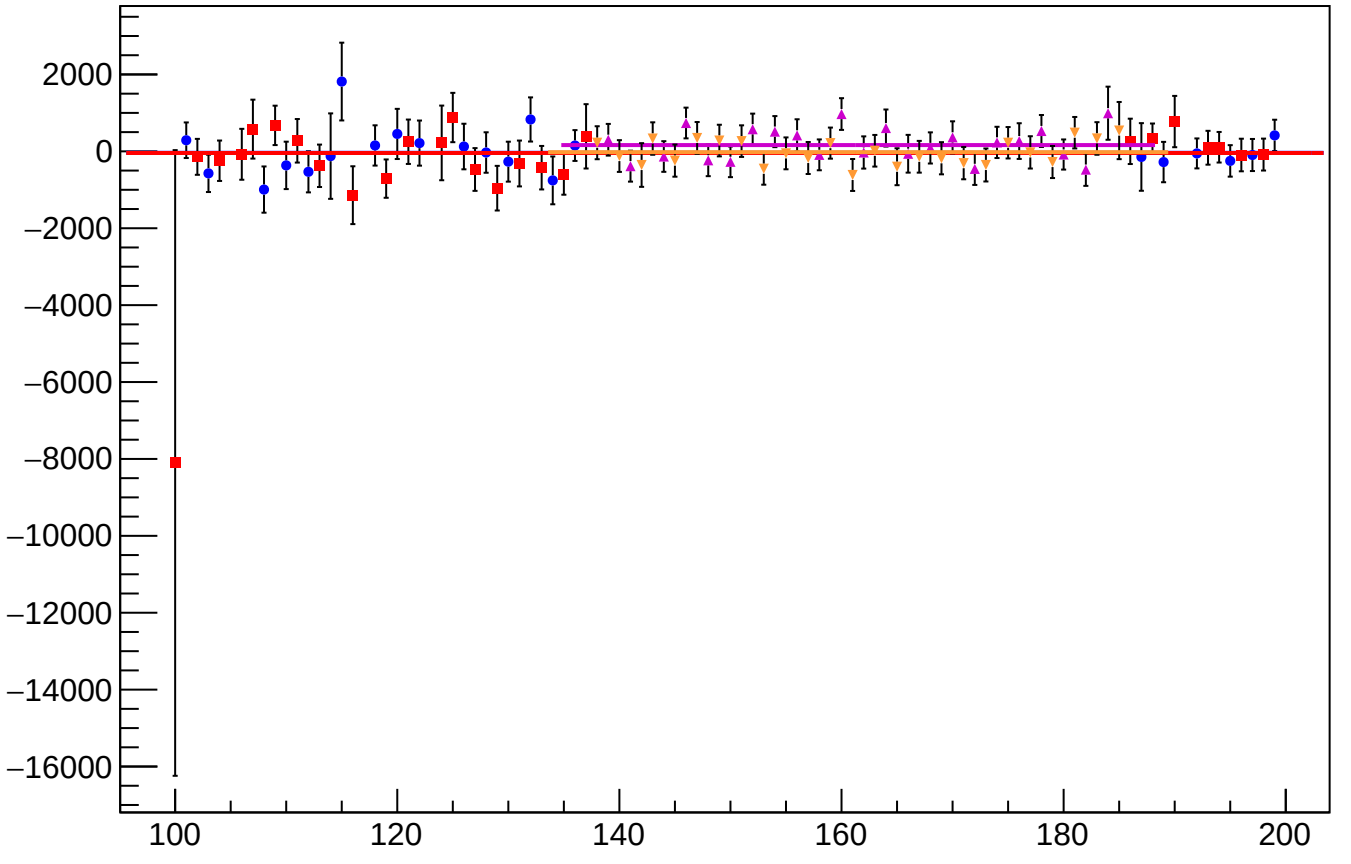
Right Out: 316.238+/-0.063 χ^2/NDF: 119941.6/25

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 340.411+/-0.045 χ^2/NDF: 2112967.0/45

All: 339.714+/-0.031 χ^2/NDF: 4306580.4/94

- sign 339.043+/-0.044 χ^2/NDF: 2193136.6/48



Right In: -38.155+/-111.986 χ^2/NDF: 15.5/21

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -42.963+/-107.628 χ^2/NDF: 18.8/25

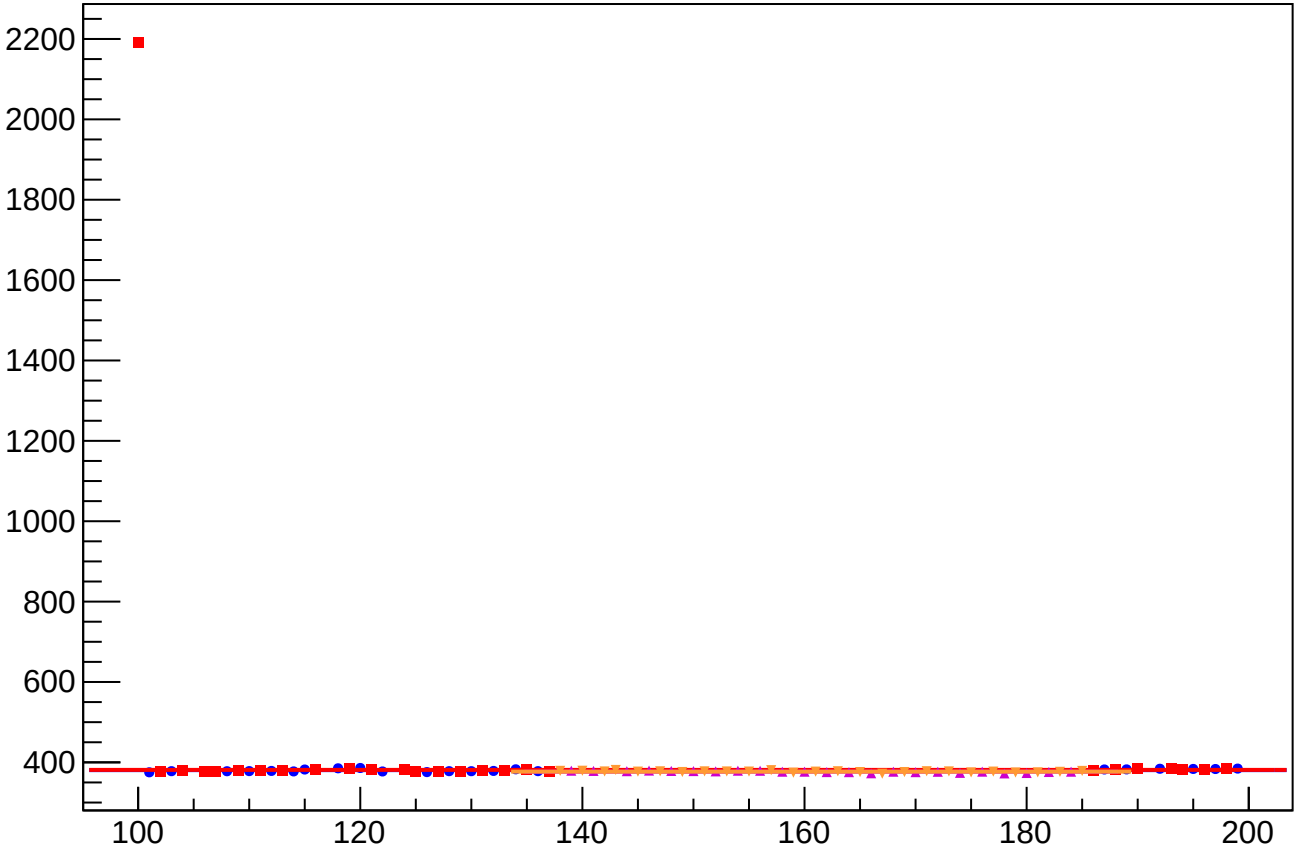
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

\+ sign -27.367+/-68.018 χ^2/NDF: 28.1/46

All: 26.474+/-48.133 χ^2/NDF: 72.1/95

\- sign 80.482+/-68.123 χ^2/NDF: 42.8/48

asym_dsr_rms vs Slug



Right In: 380.647+/-0.079 χ^2/NDF: 1706.9/21

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.236+/-0.076 χ^2/NDF: 100262.6/25

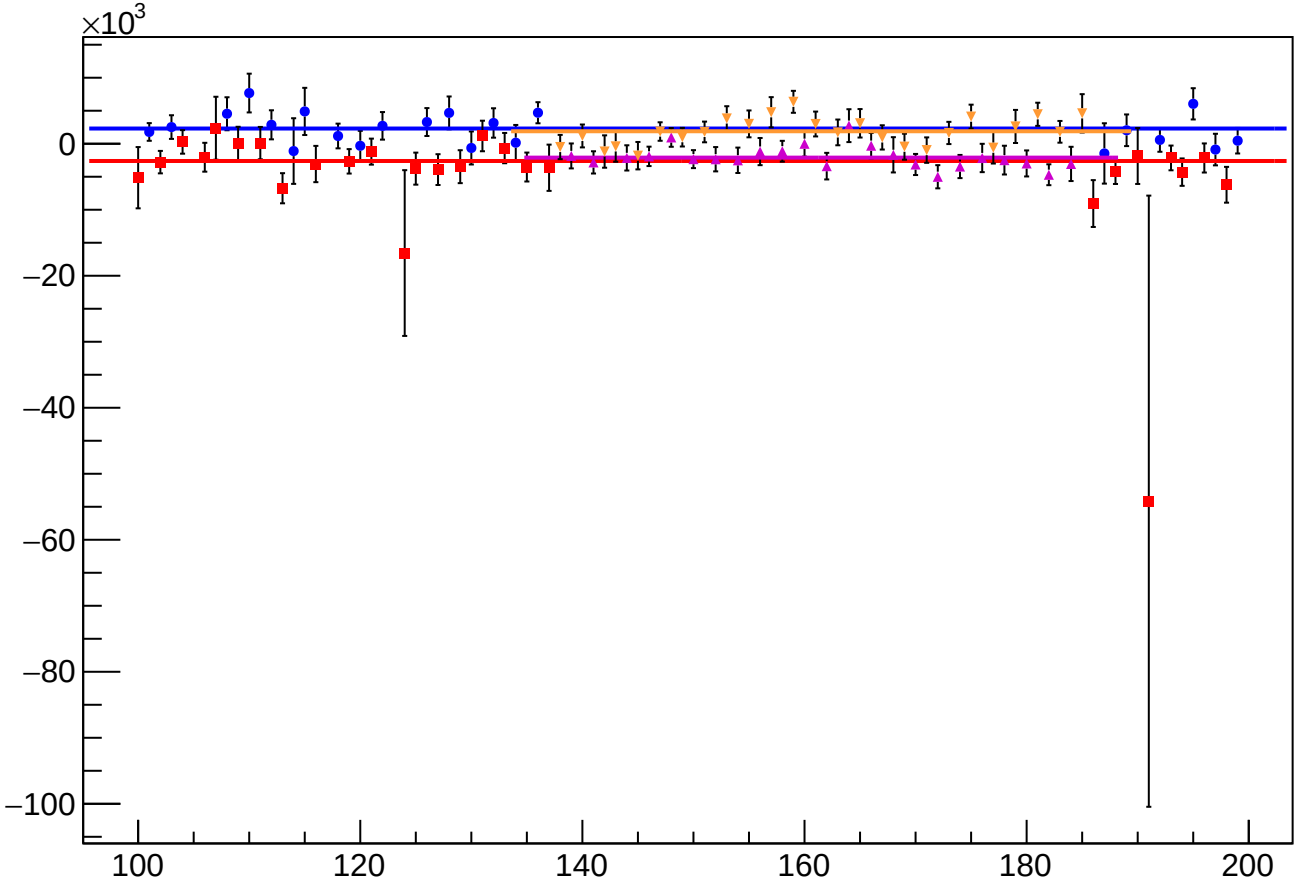
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.286+/-0.048 χ^2/NDF: 4173.7/46

All: 378.445+/-0.034 χ^2/NDF: 107526.4/95

- sign 378.605+/-0.048 χ^2/NDF: 103330.8/48

asym_us_agg_avg_mean vs Slug



Right In: 2303.410+/-465.870 χ^2/NDF: 19.4/21

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2614.264+/-465.912 χ^2/NDF: 23.5/26

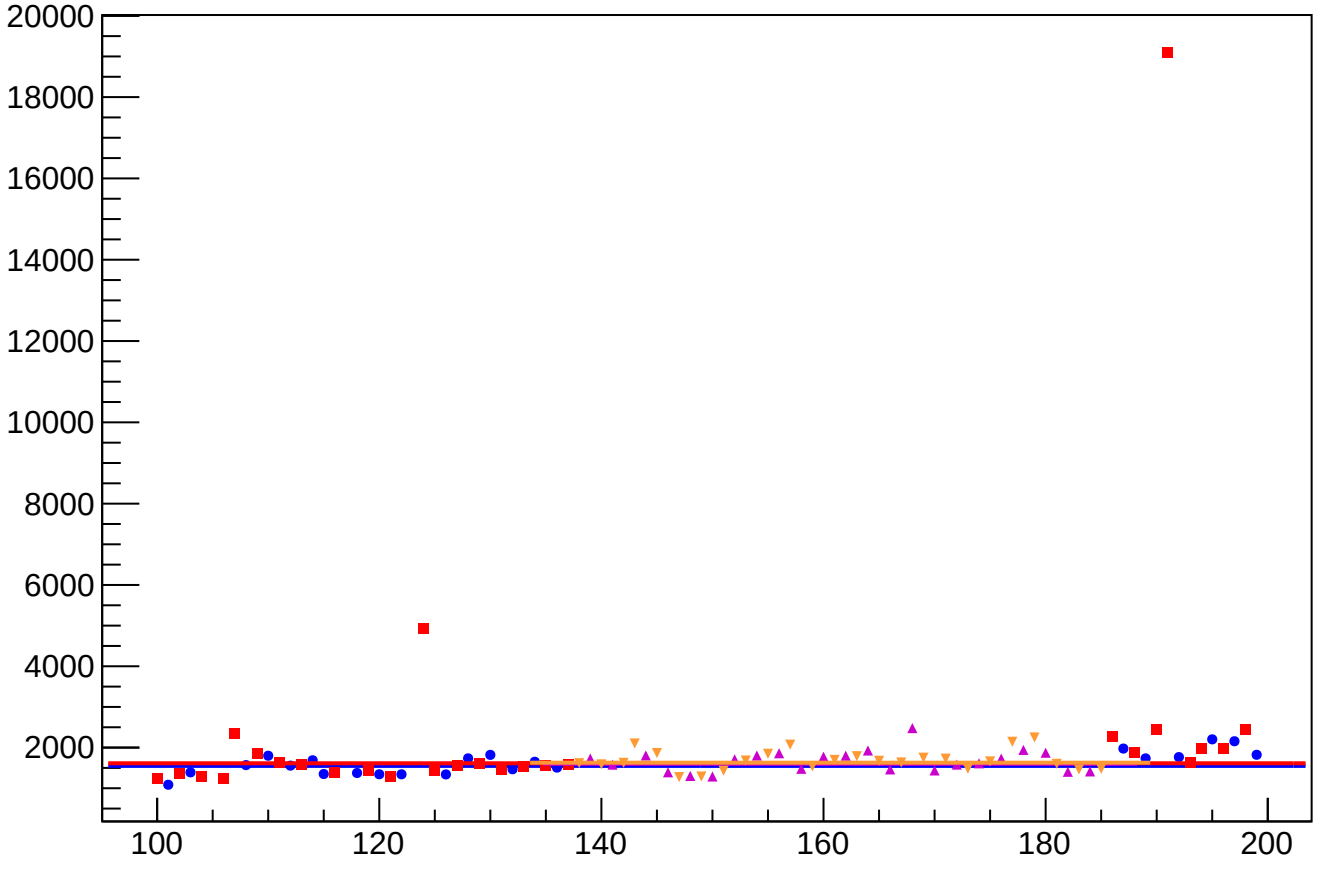
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2053.426+/-292.257 χ^2/NDF: 48.3/46

All: -114.111+/-207.282 χ^2/NDF: 201.8/96

- sign -2308.077+/-294.033 χ^2/NDF: 42.8/49

asym_us_agg_avg_rms vs Slug



Right In: 1549.824+/-0.329 χ^2/NDF: 771792.3/21

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1614.173+/-0.329 χ^2/NDF: 1270181.5/26

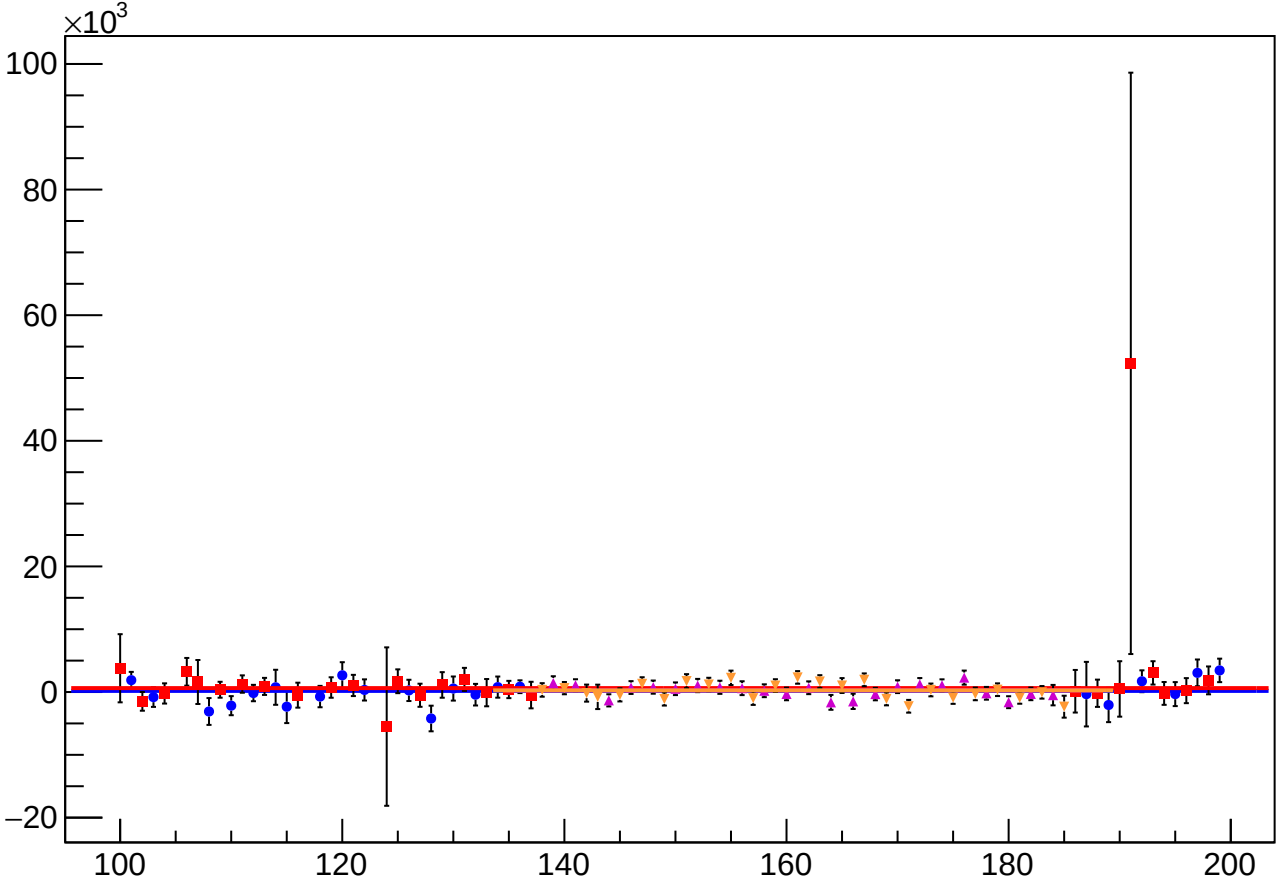
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1597.524+/-0.207 χ^2/NDF: 1585460.9/46

All: 1602.007+/-0.147 χ^2/NDF: 3651202.9/96

- sign 1606.545+/-0.208 χ^2/NDF: 2064795.0/49

asym_us_agg_dd_mean vs Slug



Right In: 179.690+/-371.826 χ^2/NDF: 21.4/21

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 623.423+/-369.906 χ^2/NDF: 10.5/26

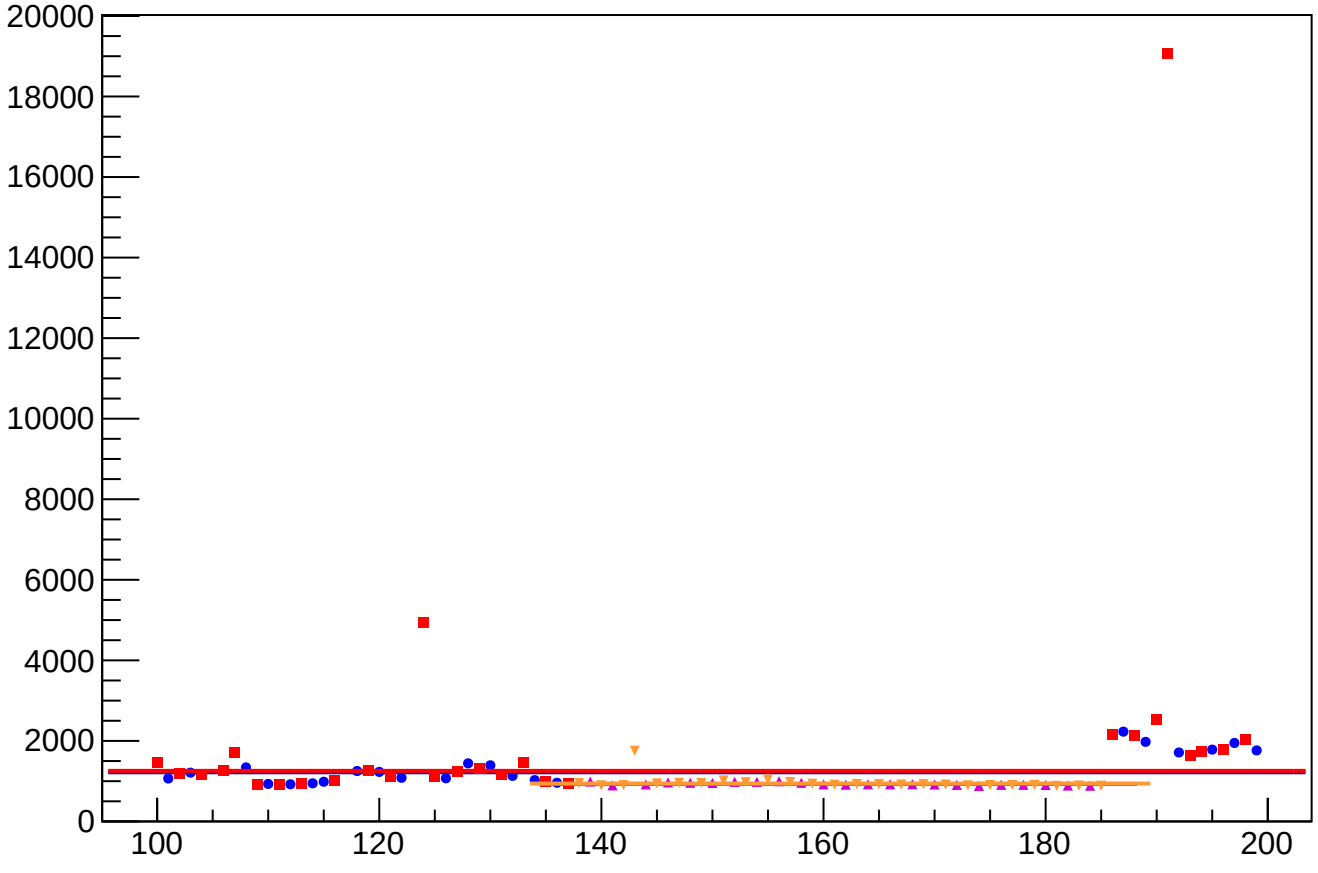
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 241.668+/-186.100 χ^2/NDF: 55.3/46

All: 299.725+/-132.123 χ^2/NDF: 88.0/96

- sign 358.728+/-187.609 χ^2/NDF: 32.5/49

asym_us_agg_dd_rms vs Slug



Right In: 1220.772+/-0.263 χ^2/NDF: 1443226.3/21

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1256.285+/-0.262 χ^2/NDF: 2332735.9/26

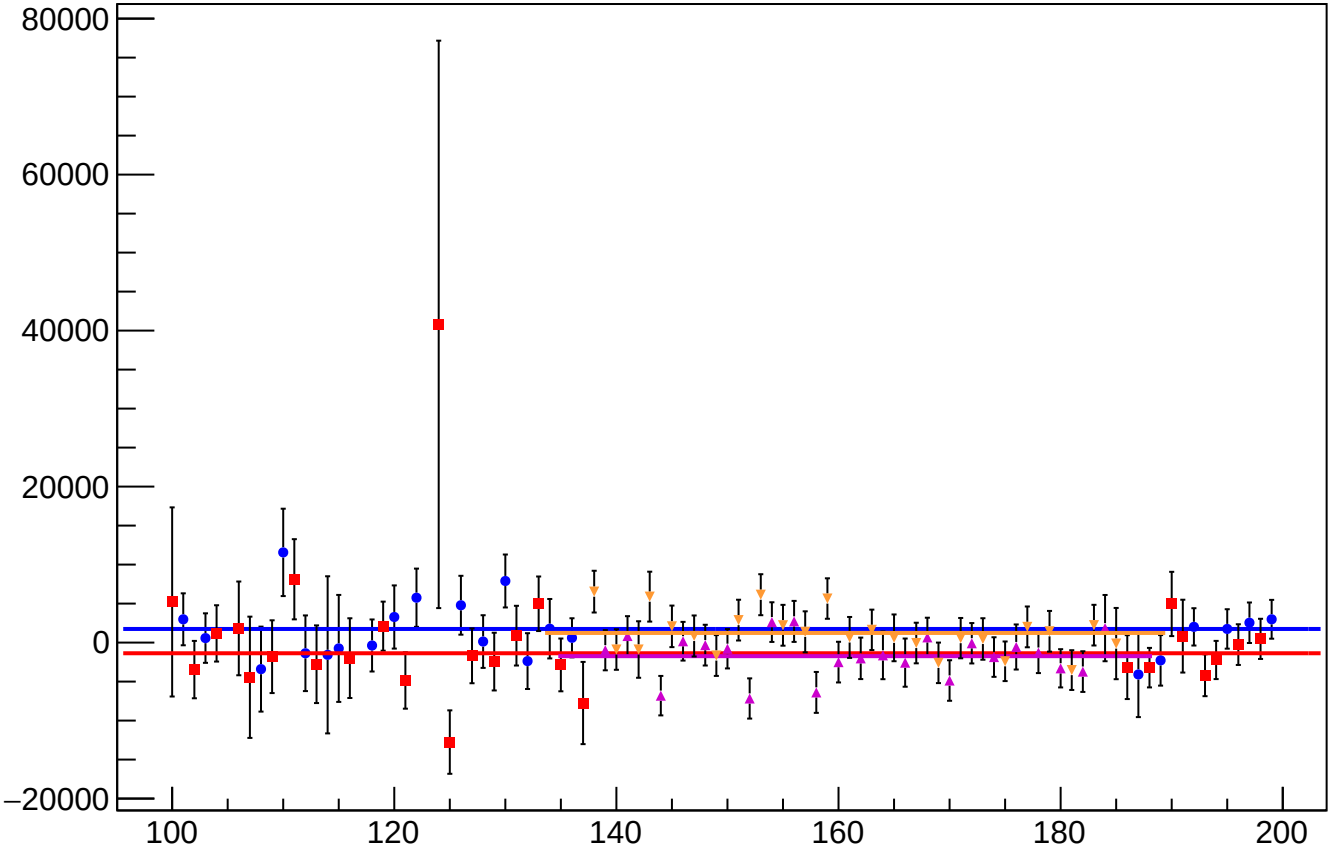
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1011.094+/-0.132 χ^2/NDF: 2709502.6/46

All: 1013.076+/-0.093 χ^2/NDF: 6236402.3/96

- sign 1015.092+/-0.133 χ^2/NDF: 3526442.0/49

reg_asym_atl1_mean vs Slug



Right In: 1746.171+/-730.908 χ^2/NDF: 15.3/21

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1368.043+/-715.360 χ^2/NDF: 27.0/26

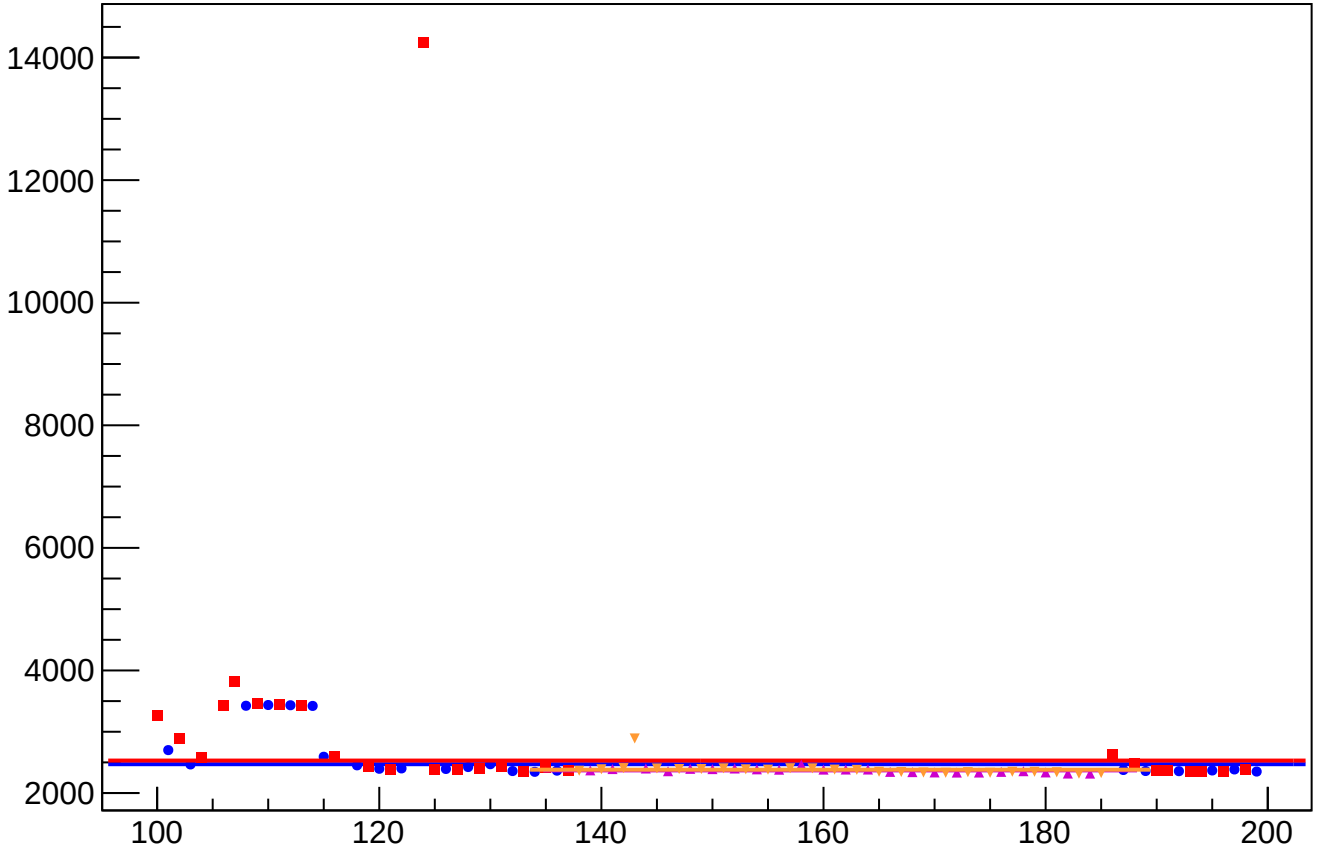
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1415.877+/-434.992 χ^2/NDF: 39.5/46

All: -83.837+/-308.518 χ^2/NDF: 115.0/96

- sign -1601.870+/-437.641 χ^2/NDF: 51.6/49

reg_asym_atl1_rms vs Slug



Right In: 2470.435+/-0.517 χ^2/NDF: 255177.0/21

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2529.780+/-0.506 χ^2/NDF: 606296.9/26

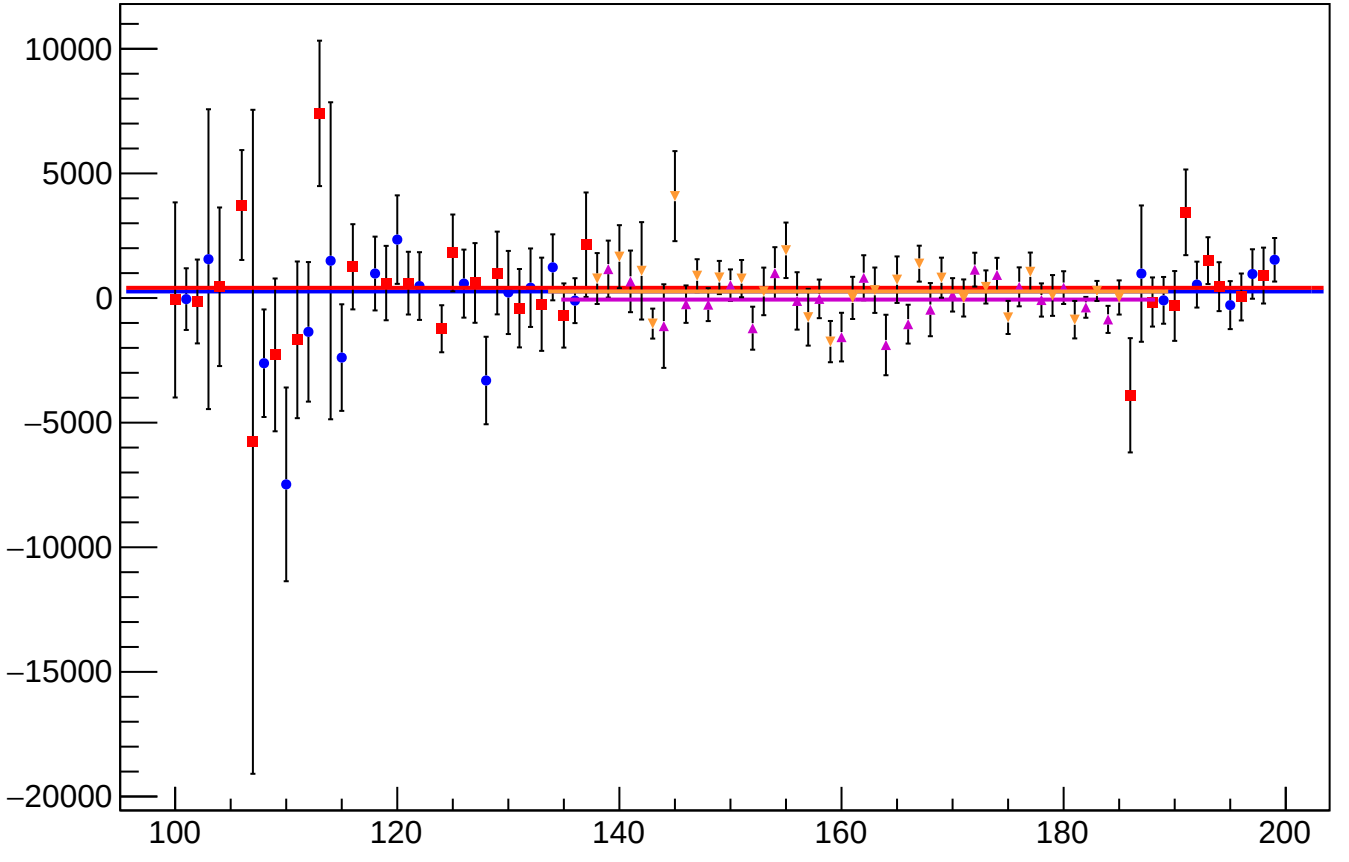
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2412.829+/-0.308 χ^2/NDF: 332037.3/46

All: 2421.072+/-0.218 χ^2/NDF: 1009728.4/96

- sign 2429.416+/-0.309 χ^2/NDF: 676246.0/49

asym_atl1_reg_correction_mean vs Slug



Right In: 264.453+/-289.554 χ^2/NDF: 17.5/21

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 409.771+/-283.325 χ^2/NDF: 24.6/26

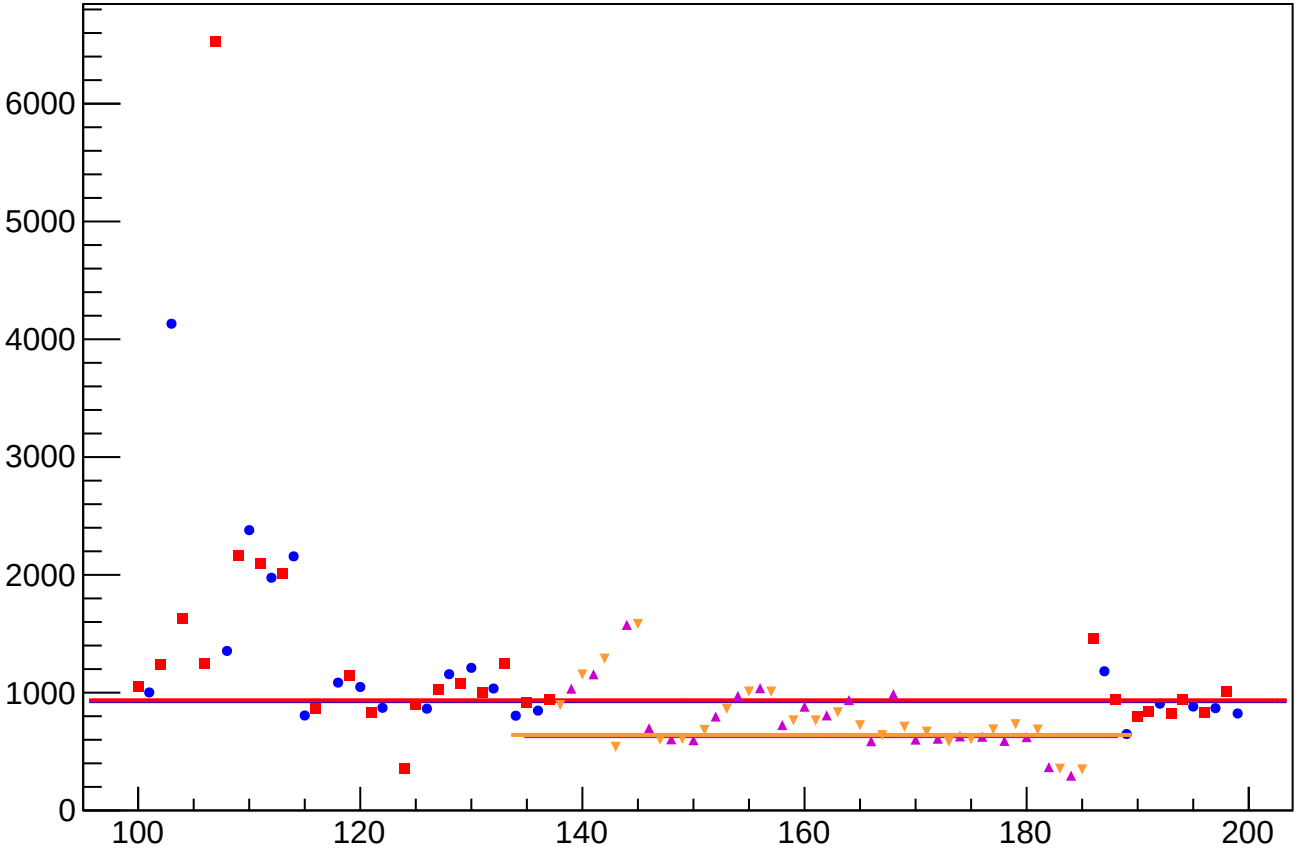
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 262.445+/-135.972 χ^2/NDF: 48.7/46

All: 157.126+/-96.713 χ^2/NDF: 98.6/96

- sign 49.288+/-137.589 χ^2/NDF: 48.7/49

asym_atl1_reg_correction_rms vs Slug



Right In: 927.982+/-0.205 χ^2/NDF: 1702379.3/21

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 935.152+/-0.200 χ^2/NDF: 2513260.2/26

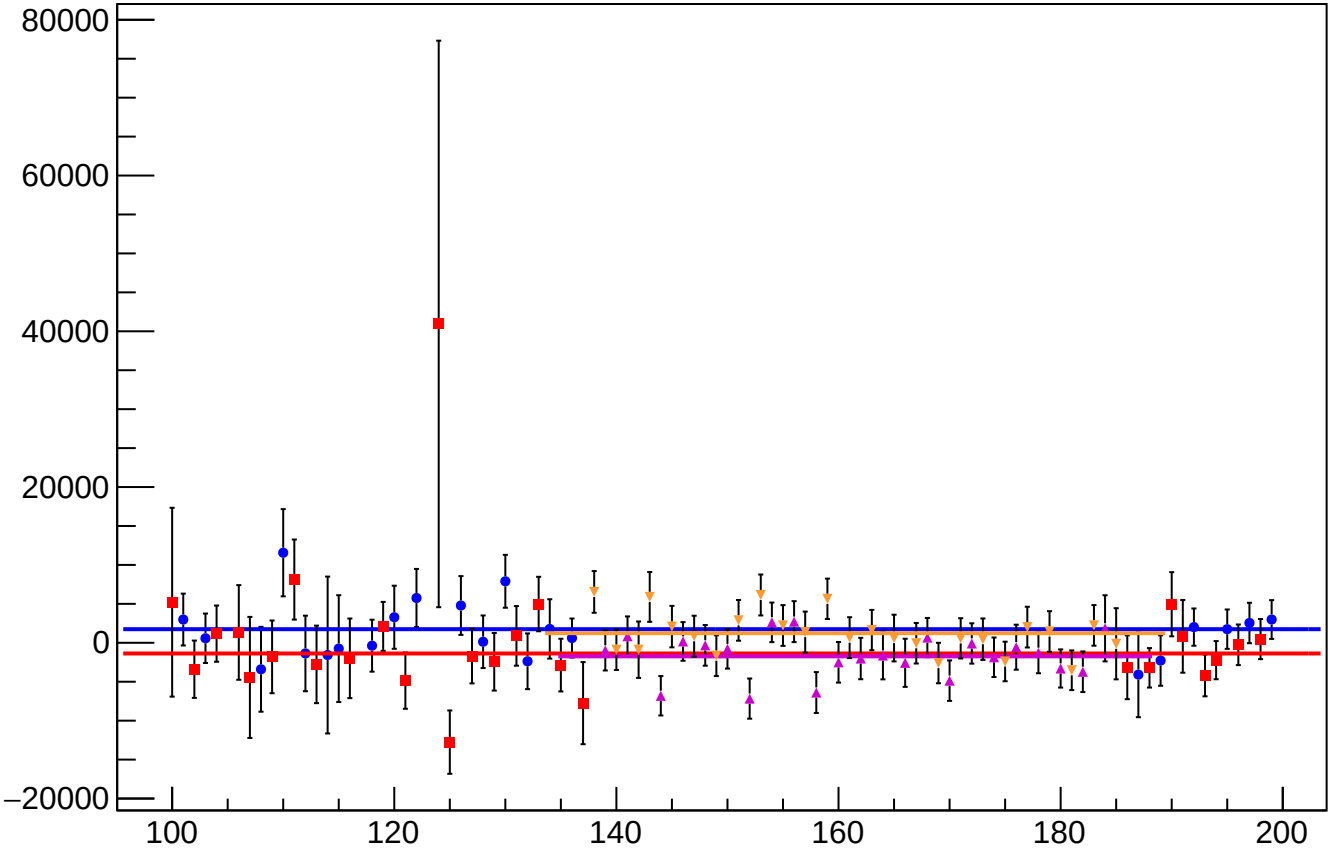
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 704.406+/-0.096 χ^2/NDF: 6706971.2/46

All: 703.652+/-0.068 χ^2/NDF: 14954793.9/96

- sign 702.879+/-0.097 χ^2/NDF: 8247698.1/49

cor_asym_atl1_mean vs Slug



Right In: 1746.419+/-730.908 χ^2/NDF: 15.3/21

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1373.136+/-715.475 χ^2/NDF: 26.9/26

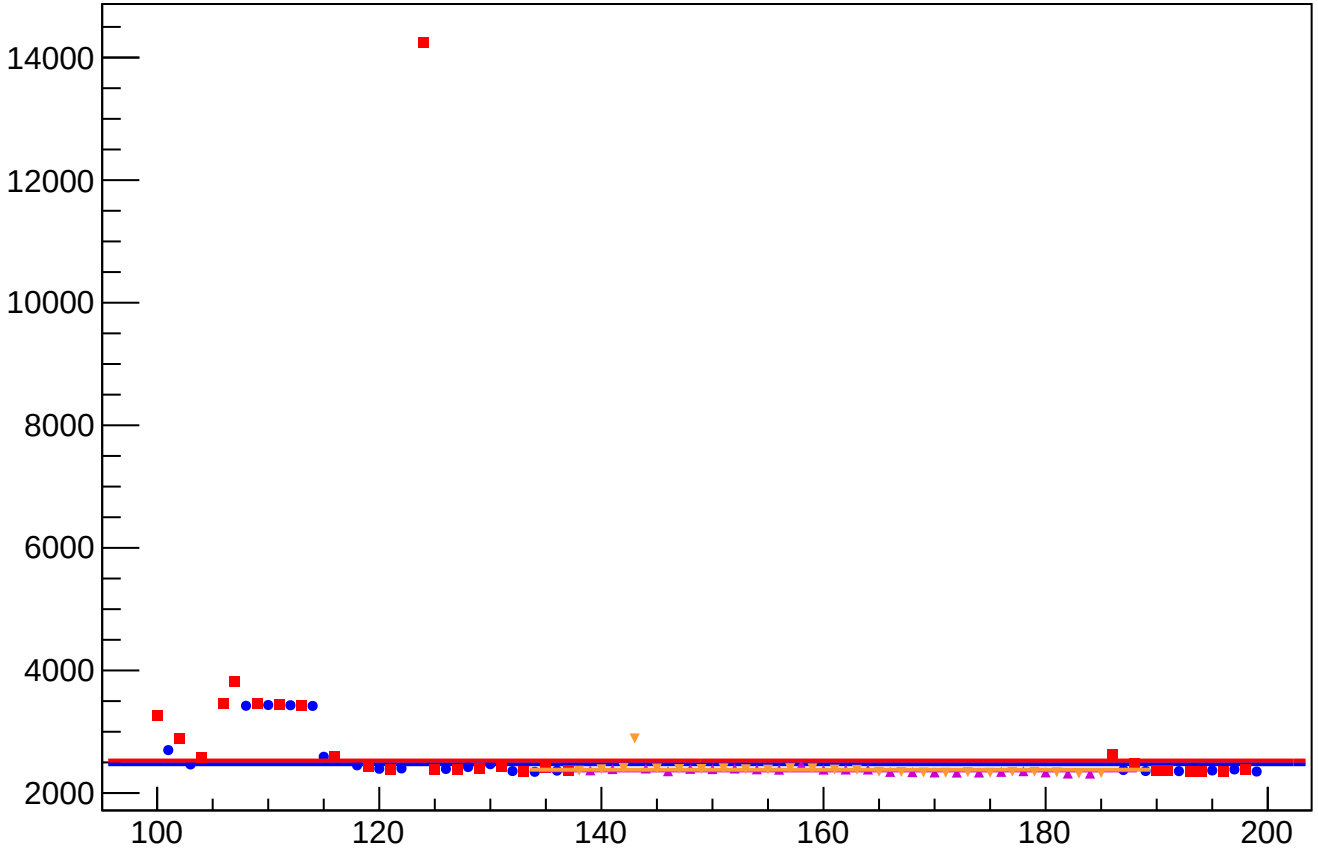
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1415.950+/-434.992 χ^2/NDF: 39.5/46

All: -84.688+/-308.527 χ^2/NDF: 114.9/96

- sign -1603.838+/-437.667 χ^2/NDF: 51.5/49

cor_asym_atl1_rms vs Slug



Right In: 2470.436+/-0.517 χ^2/NDF: 255177.0/21

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2530.036+/-0.506 χ^2/NDF: 609127.4/26

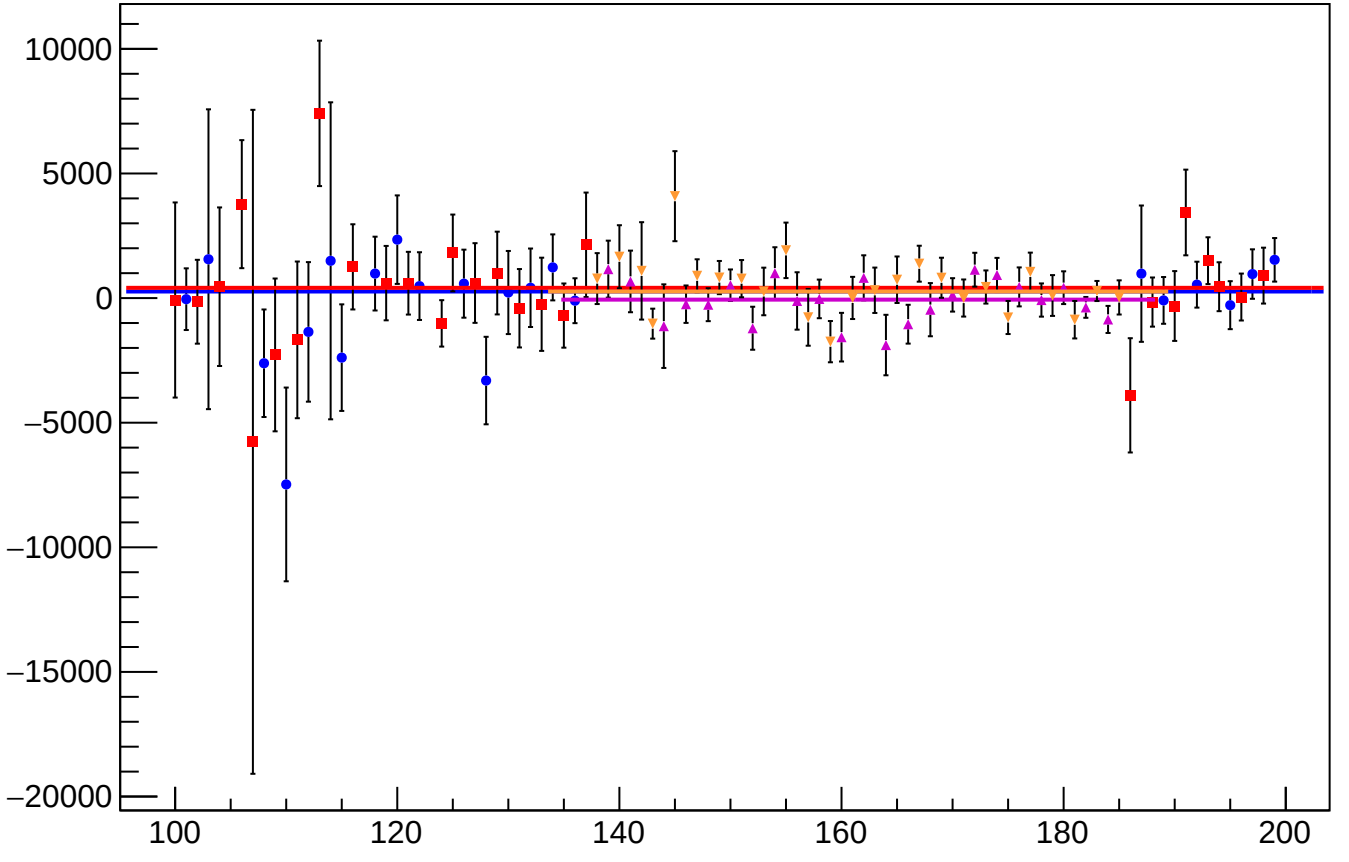
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2412.829+/-0.308 χ^2/NDF: 332037.3/46

All: 2421.113+/-0.218 χ^2/NDF: 1012761.7/96

- sign 2429.500+/-0.309 χ^2/NDF: 679264.8/49

asym_atl1_cor_correction_mean vs Slug



Right In: 264.414+/-289.553 χ^2/NDF: 17.6/21

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 411.514+/-283.602 χ^2/NDF: 23.4/26

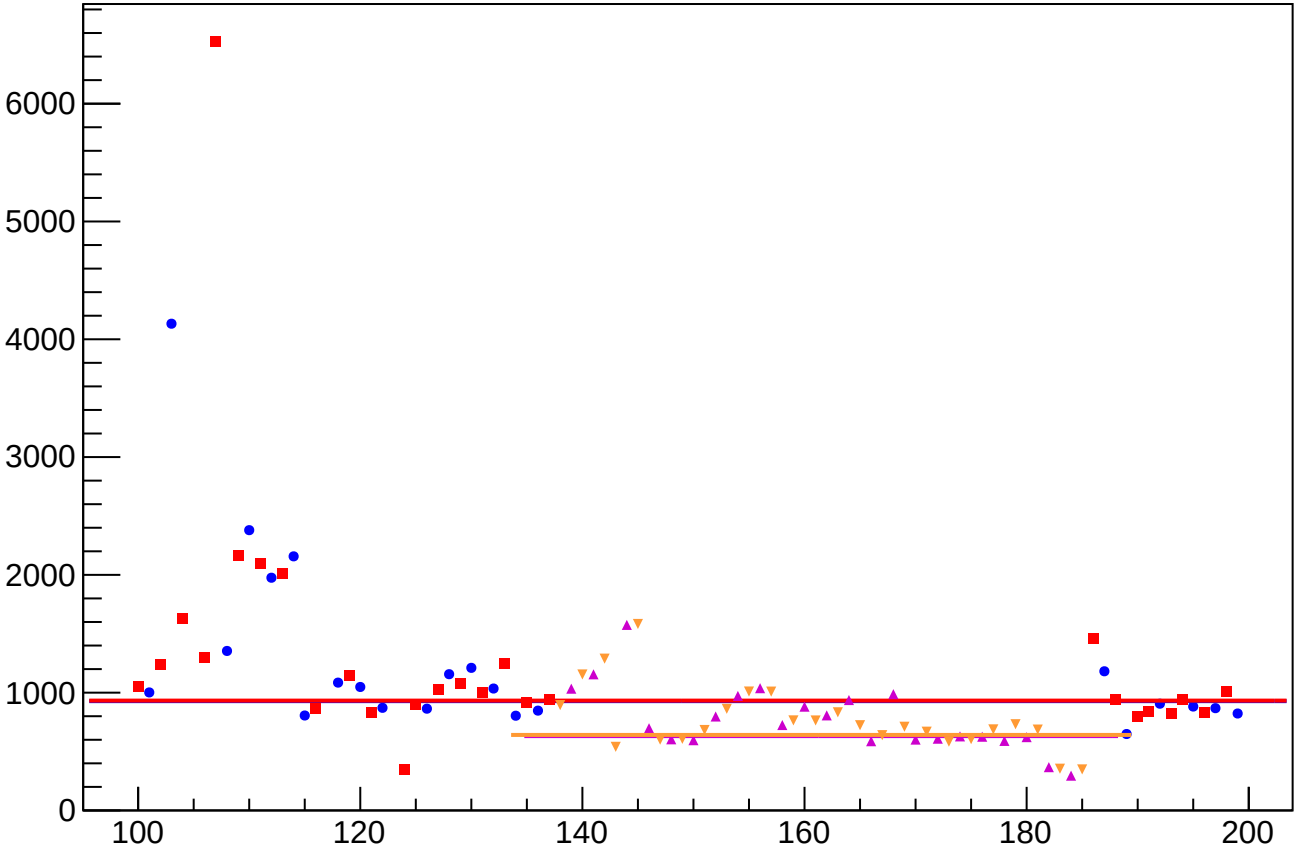
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 262.657+/-135.974 χ^2/NDF: 48.7/46

All: 157.371+/-96.725 χ^2/NDF: 97.4/96

- sign 49.519+/-137.620 χ^2/NDF: 47.5/49

asym_atl1_cor_correction_rms vs Slug



Right In: 927.983+/-0.205 χ^2/NDF: 1702341.1/21

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 932.563+/-0.201 χ^2/NDF: 2544747.9/26

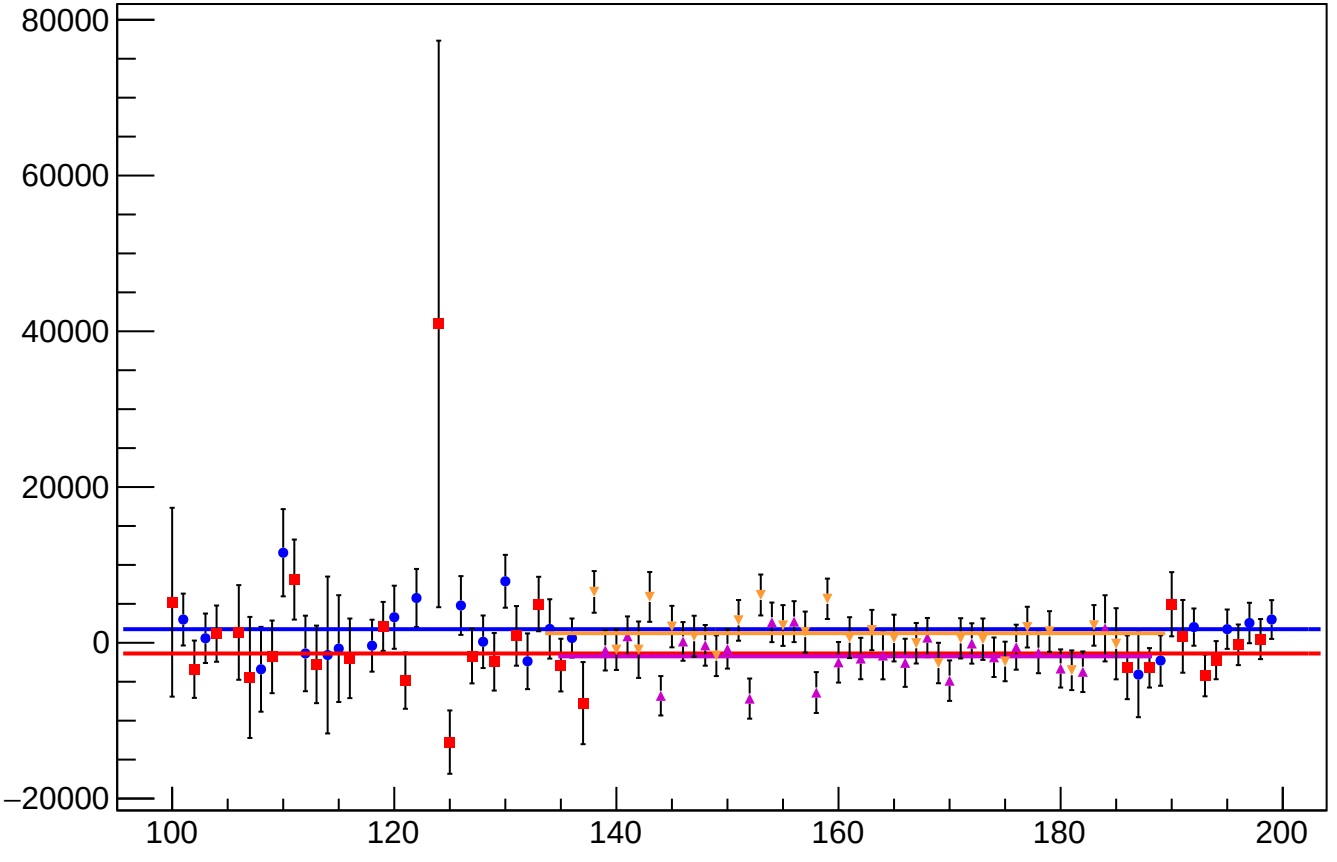
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 704.418+/-0.096 χ^2/NDF: 6706521.0/46

All: 703.303+/-0.068 χ^2/NDF: 14953709.4/96

- sign 702.160+/-0.097 χ^2/NDF: 8246916.0/49

eigen_cor_asym_atl1_mean vs Slug



Right In: 1746.419+/-730.908 χ^2/NDF: 15.3/21

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1373.136+/-715.475 χ^2/NDF: 26.9/26

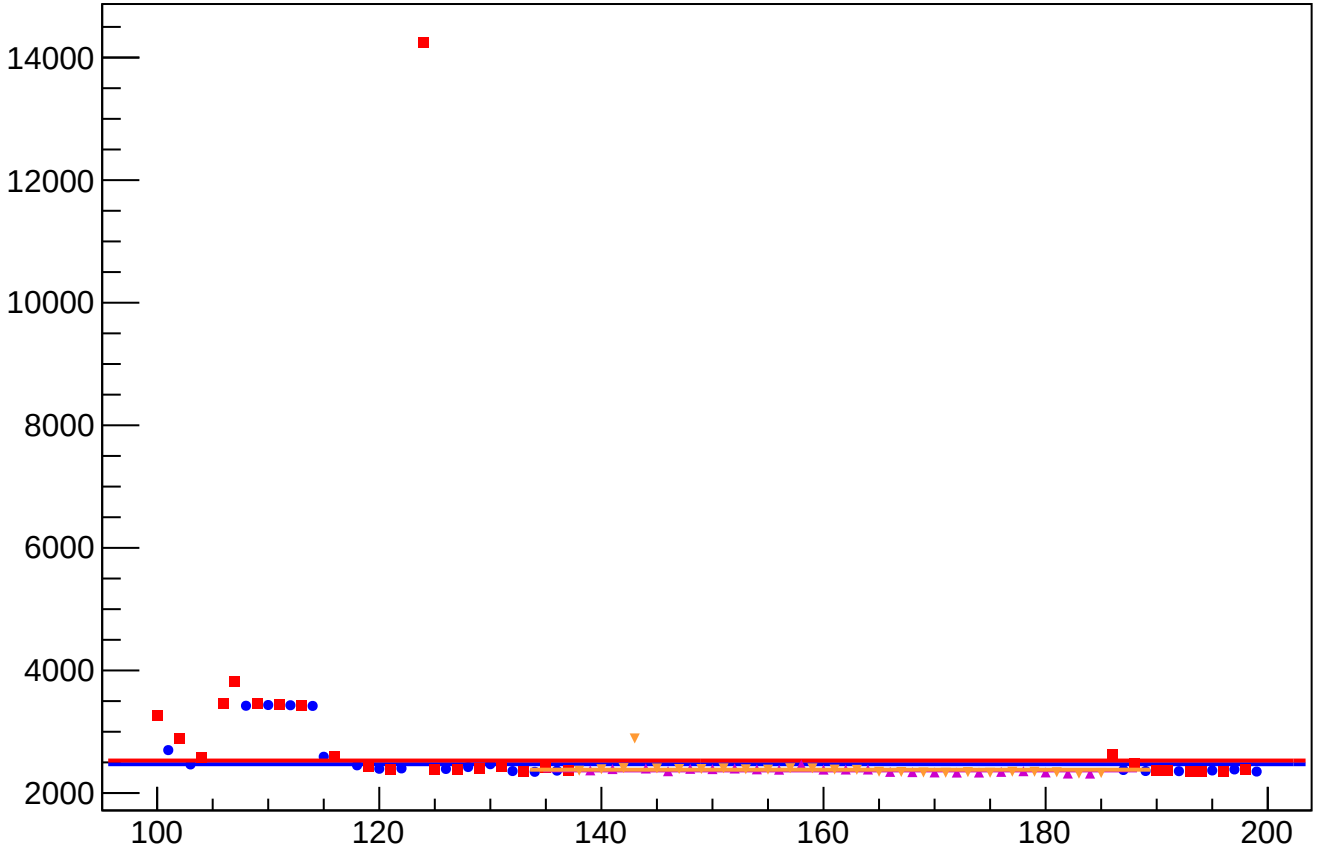
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1415.950+/-434.992 χ^2/NDF: 39.5/46

All: -84.688+/-308.527 χ^2/NDF: 114.9/96

- sign -1603.838+/-437.667 χ^2/NDF: 51.5/49

eigen_cor_asym_atl1_rms vs Slug



Right In: 2470.436+/-0.517 χ^2/NDF: 255177.0/21

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2530.036+/-0.506 χ^2/NDF: 609127.4/26

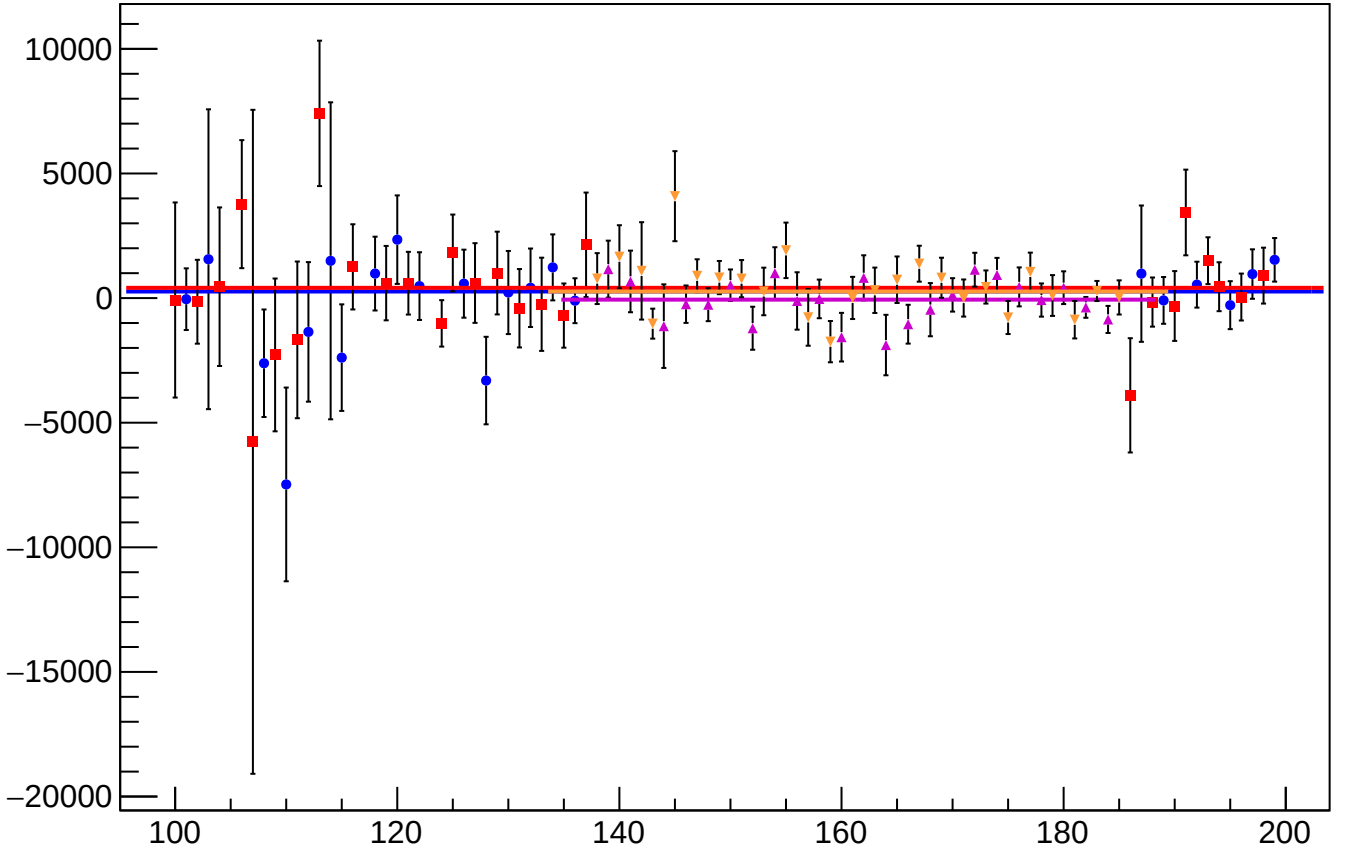
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2412.829+/-0.308 χ^2/NDF: 332037.3/46

All: 2421.113+/-0.218 χ^2/NDF: 1012761.7/96

- sign 2429.500+/-0.309 χ^2/NDF: 679264.8/49

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 264.414+/-289.553 χ^2/NDF: 17.6/21

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 411.514+/-283.602 χ^2/NDF: 23.4/26

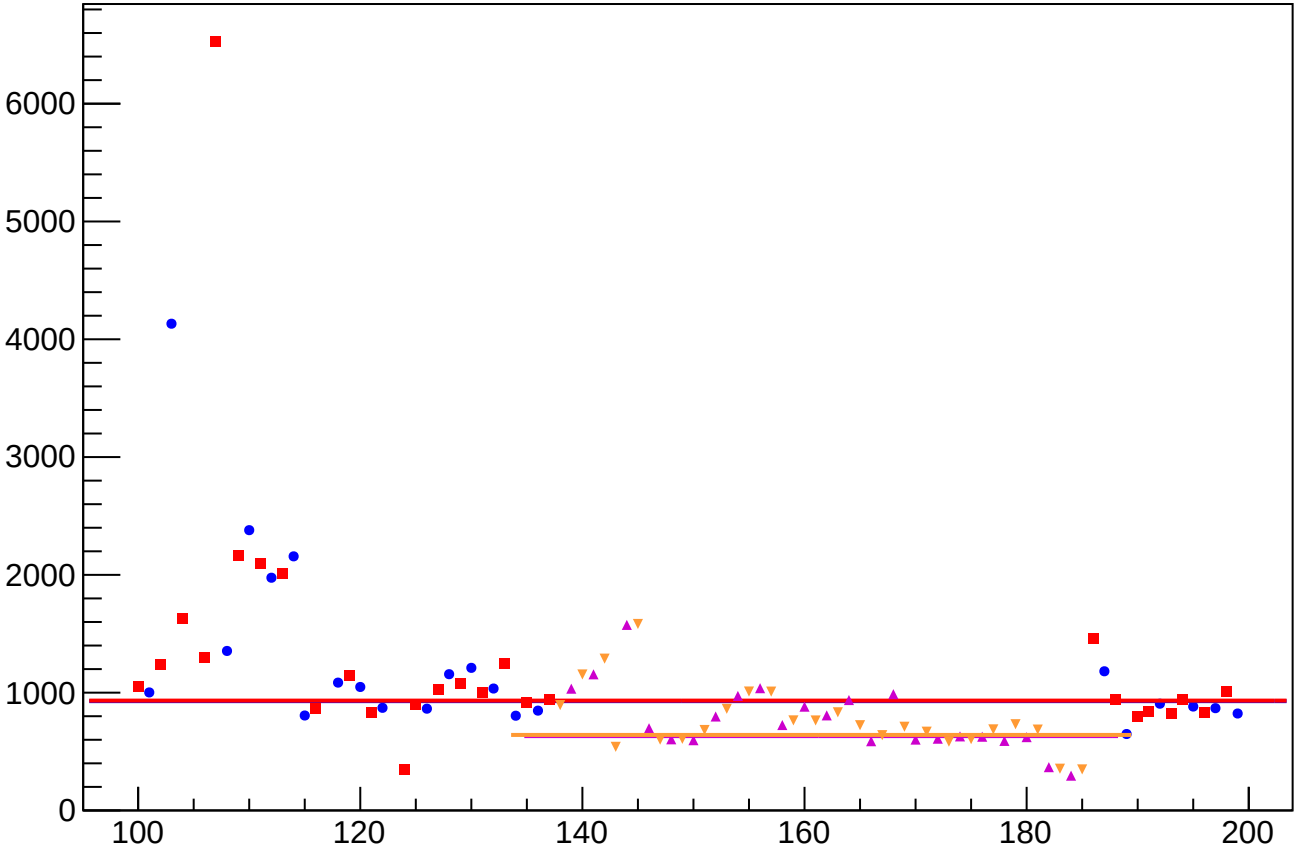
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 262.657+/-135.974 χ^2/NDF: 48.7/46

All: 157.371+/-96.725 χ^2/NDF: 97.4/96

- sign 49.519+/-137.620 χ^2/NDF: 47.5/49

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 927.983+/-0.205 χ^2/NDF: 1702341.1/21

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 932.563+/-0.201 χ^2/NDF: 2544747.9/26

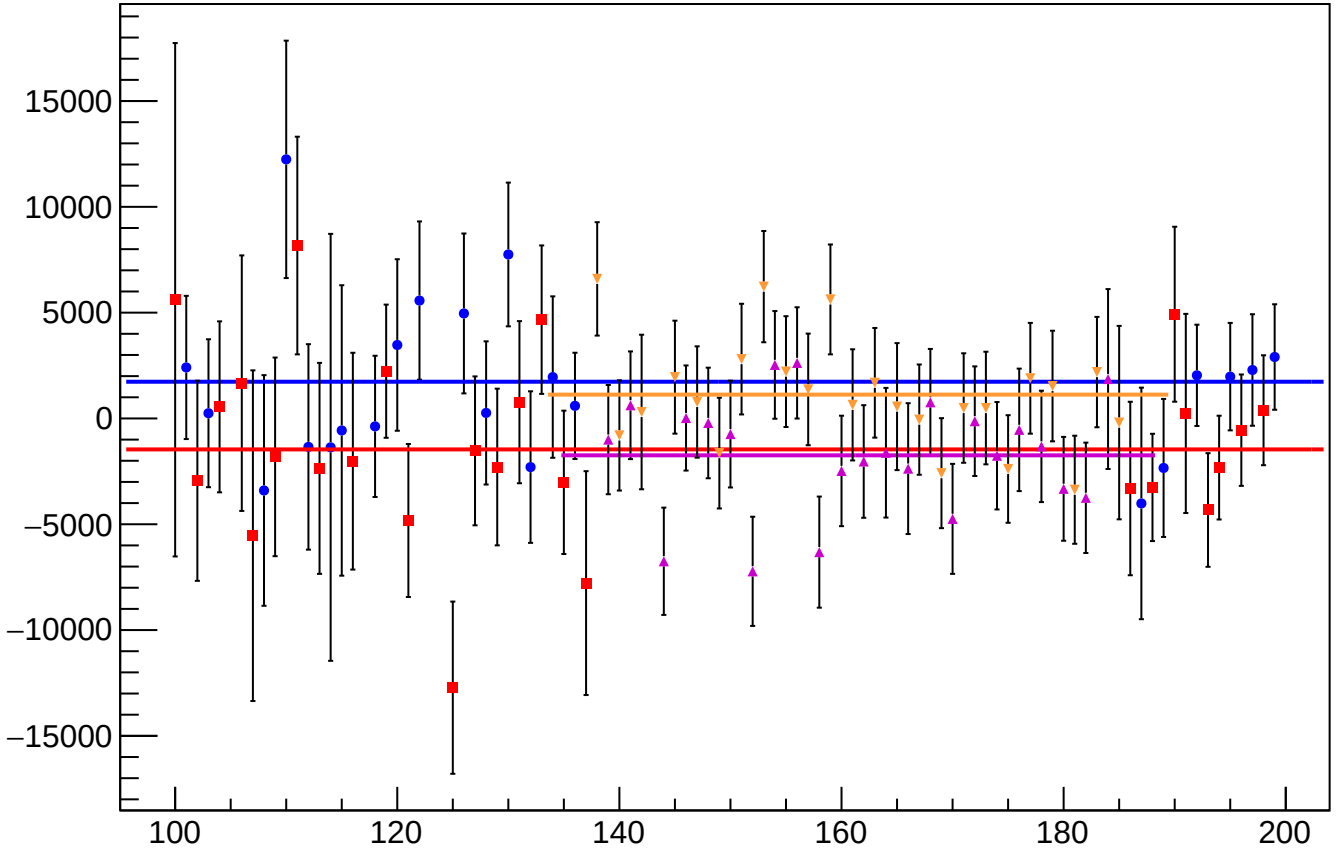
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 704.418+/-0.096 χ^2/NDF: 6706521.0/46

All: 703.303+/-0.068 χ^2/NDF: 14953709.4/96

- sign 702.160+/-0.097 χ^2/NDF: 8246916.0/49

dit_asym_atl1_mean vs Slug



Right In: 1735.193+/-736.815 χ^2/NDF: 15.4/21

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1462.862+/-725.767 χ^2/NDF: 24.9/25

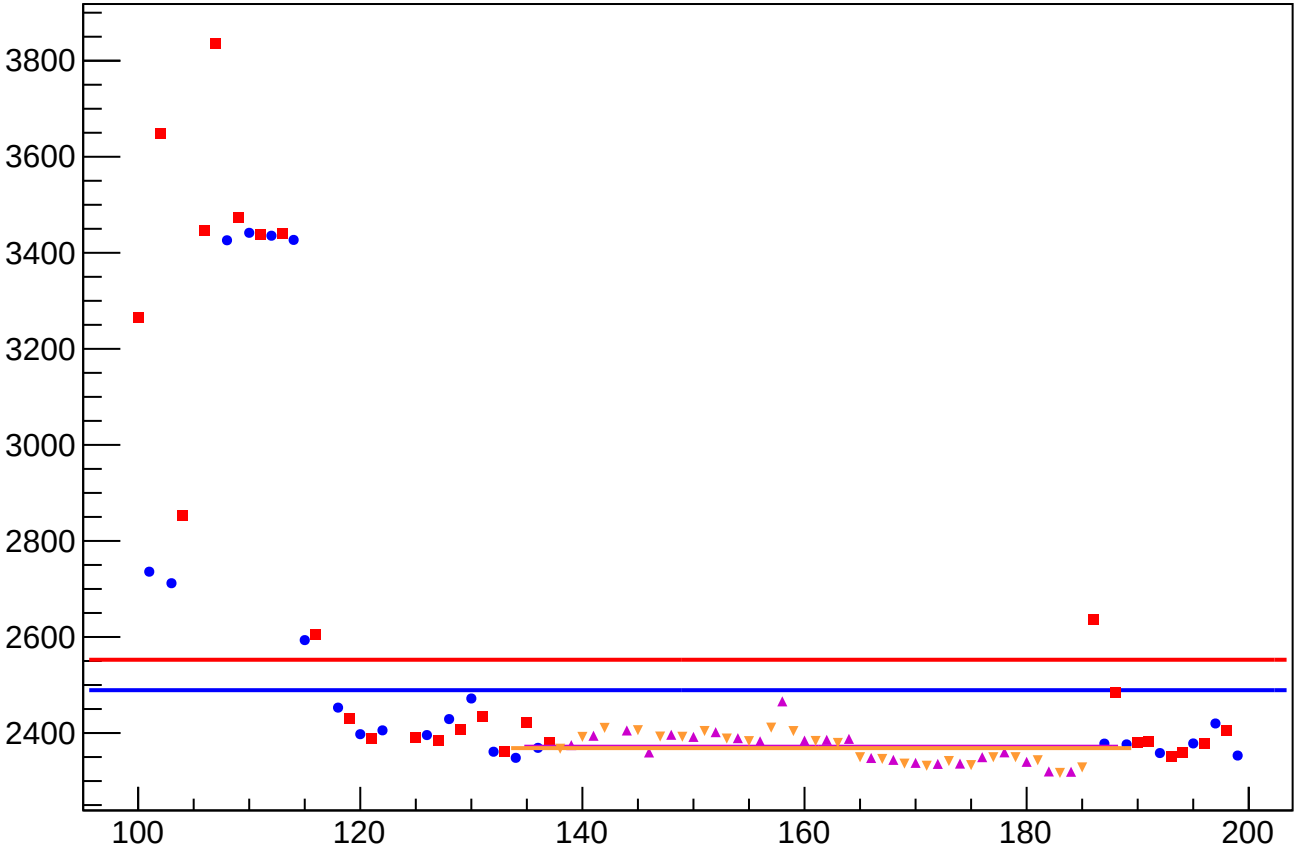
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1343.616+/-440.663 χ^2/NDF: 37.0/45

All: -149.356+/-311.447 χ^2/NDF: 108.7/94

- sign -1639.483+/-440.243 χ^2/NDF: 48.7/48

dit_asym_atl1_rms vs Slug



Right In: 2489.223+/-0.521 χ^2/NDF: 263650.7/21

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2552.577+/-0.513 χ^2/NDF: 501478.7/25

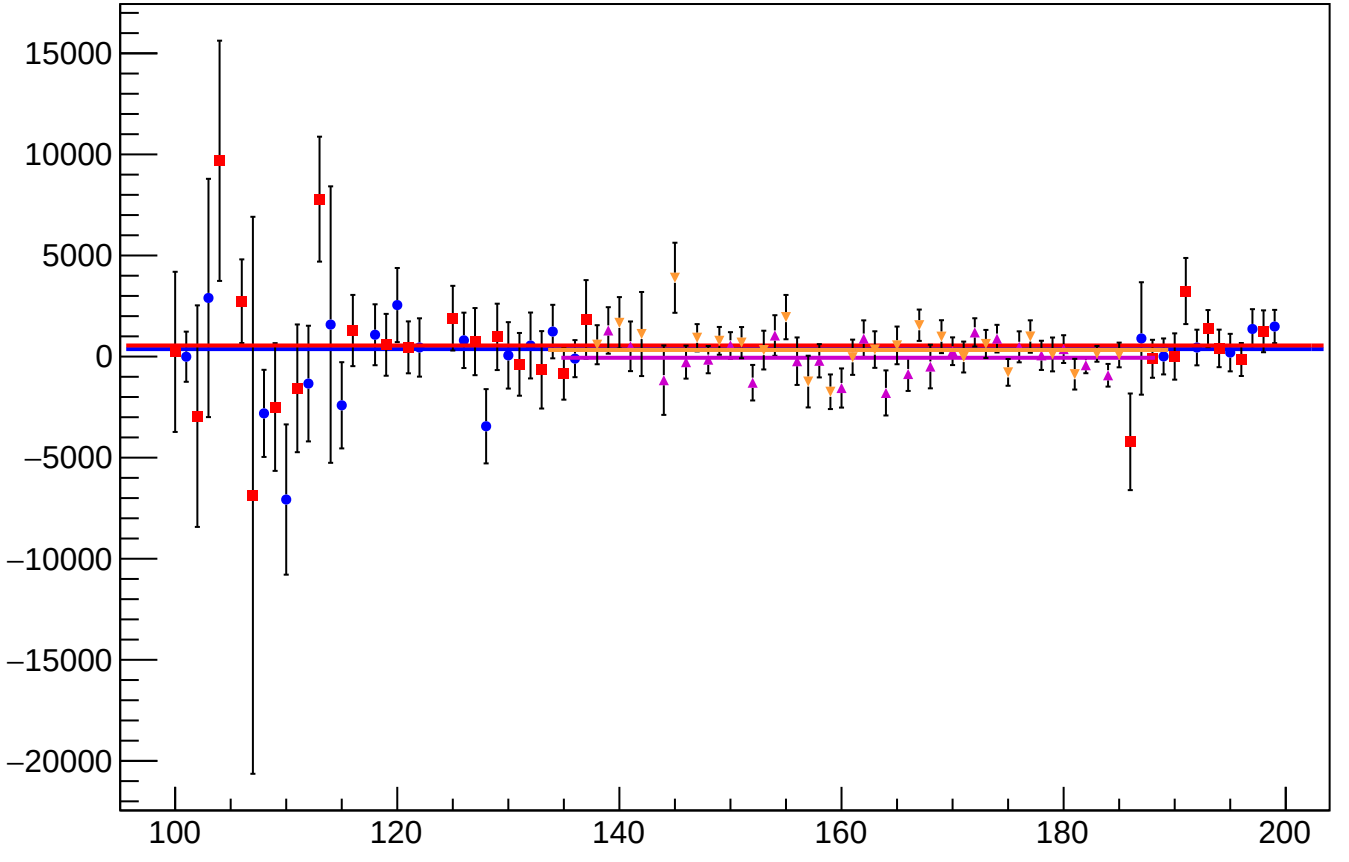
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2411.725+/-0.312 χ^2/NDF: 303668.4/45

All: 2424.944+/-0.220 χ^2/NDF: 894470.5/94

- sign 2438.139+/-0.311 χ^2/NDF: 587205.5/48

asym_atl1_dit_correction_mean vs Slug



Right In: 369.296+/-285.740 χ^2/NDF: 18.5/21

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 548.619+/-289.313 χ^2/NDF: 23.9/25

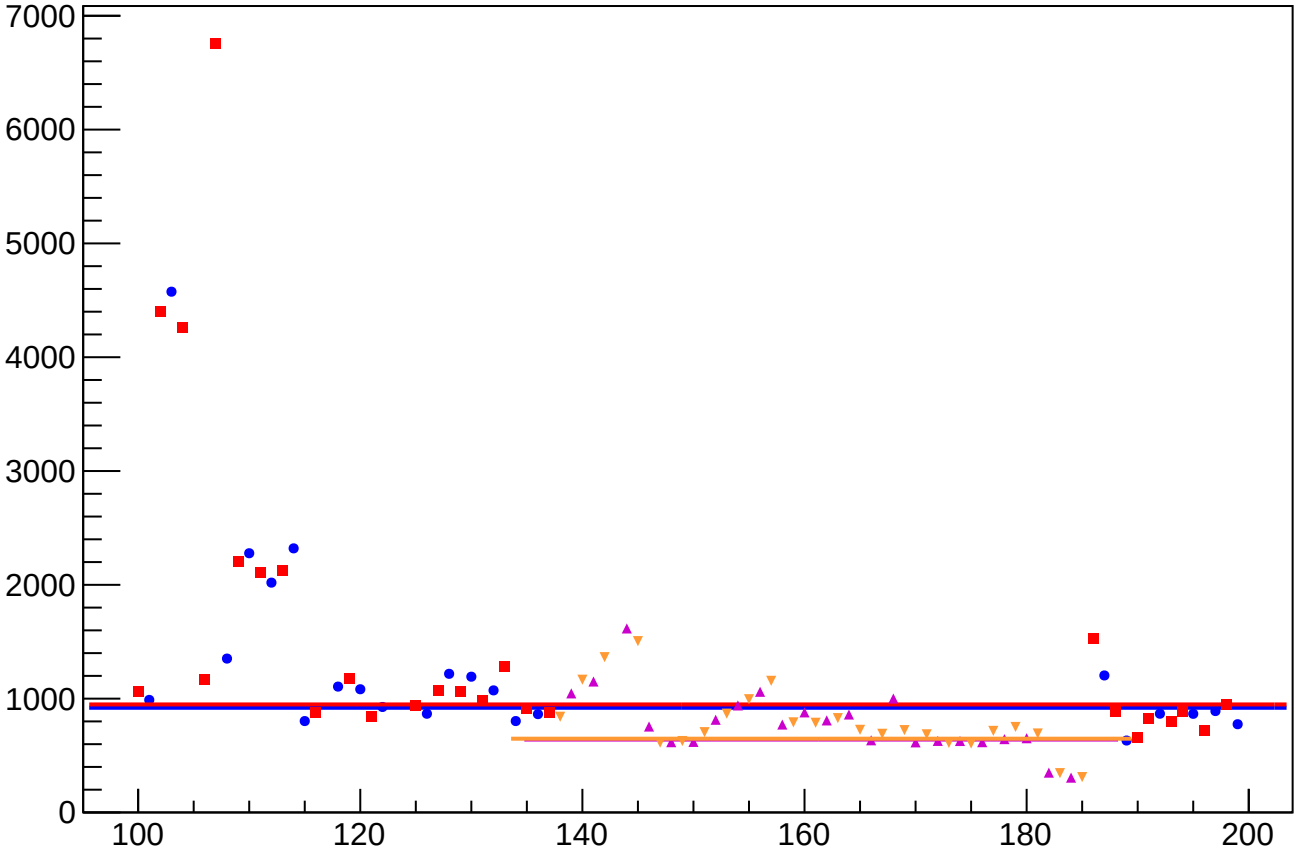
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 336.305+/-139.631 χ^2/NDF: 45.3/45

All: 209.493+/-98.791 χ^2/NDF: 96.9/94

- sign 82.388+/-139.793 χ^2/NDF: 50.0/48

asym_atl1_dit_correction_rms vs Slug



Right In: 919.883+/-0.202 χ^2/NDF: 2013427.8/21

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

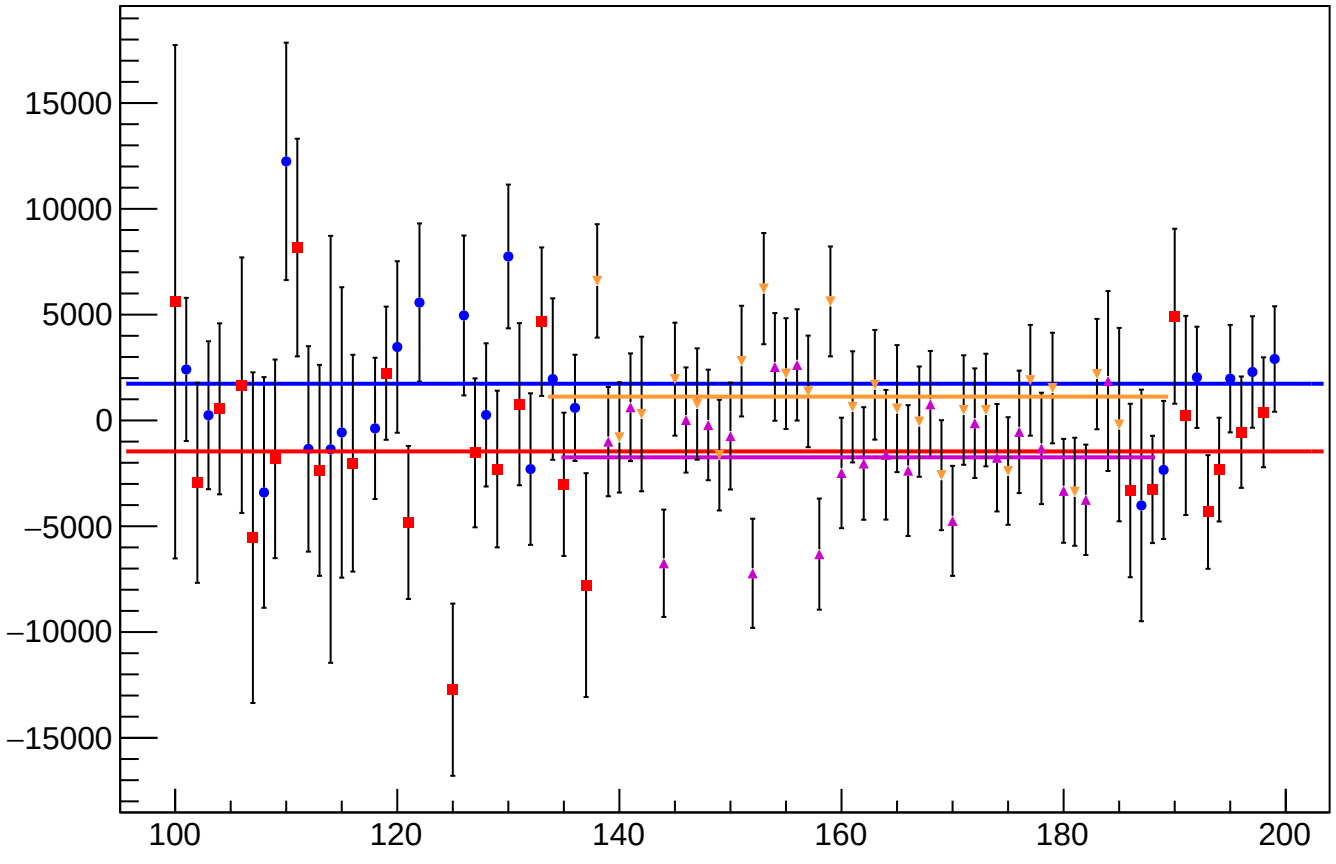
Right Out: 949.127+/-0.205 χ^2/NDF: 3300574.4/25

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 713.001+/-0.099 χ^2/NDF: 7277736.6/45

All: 712.749+/-0.070 χ^2/NDF: 16452539.1/94

- sign 712.496+/-0.099 χ^2/NDF: 9174789.5/48



Right In: 1735.191+/-736.815 χ^2/NDF: 15.4/21

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1462.861+/-725.767 χ^2/NDF: 24.9/25

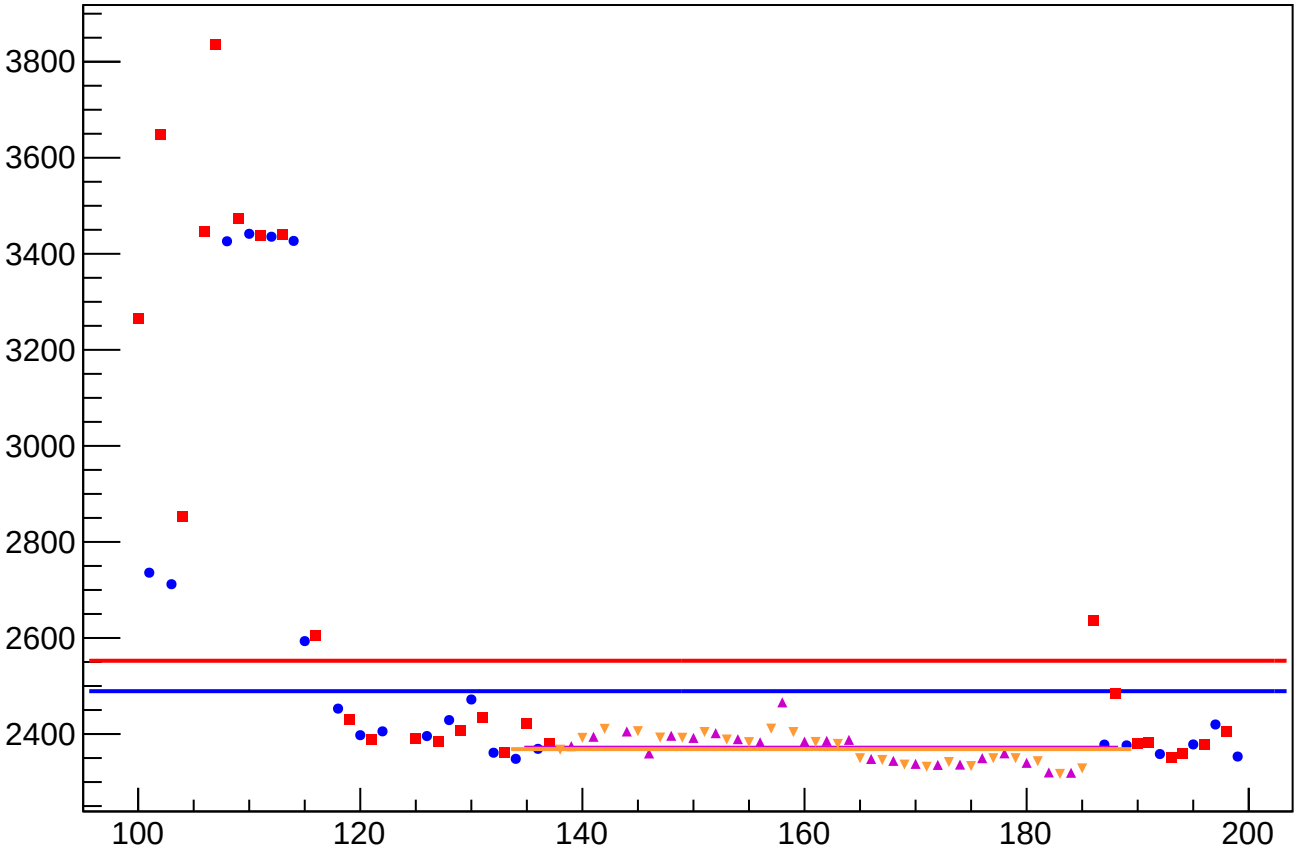
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1343.615+/-440.663 χ^2/NDF: 37.0/45

All: -149.356+/-311.447 χ^2/NDF: 108.7/94

- sign -1639.483+/-440.243 χ^2/NDF: 48.7/48

eigen_dit_asym_atl1_rms vs Slug



Right In: 2489.222+/-0.521 χ^2/NDF: 263650.3/21

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2552.577+/-0.513 χ^2/NDF: 501477.9/25

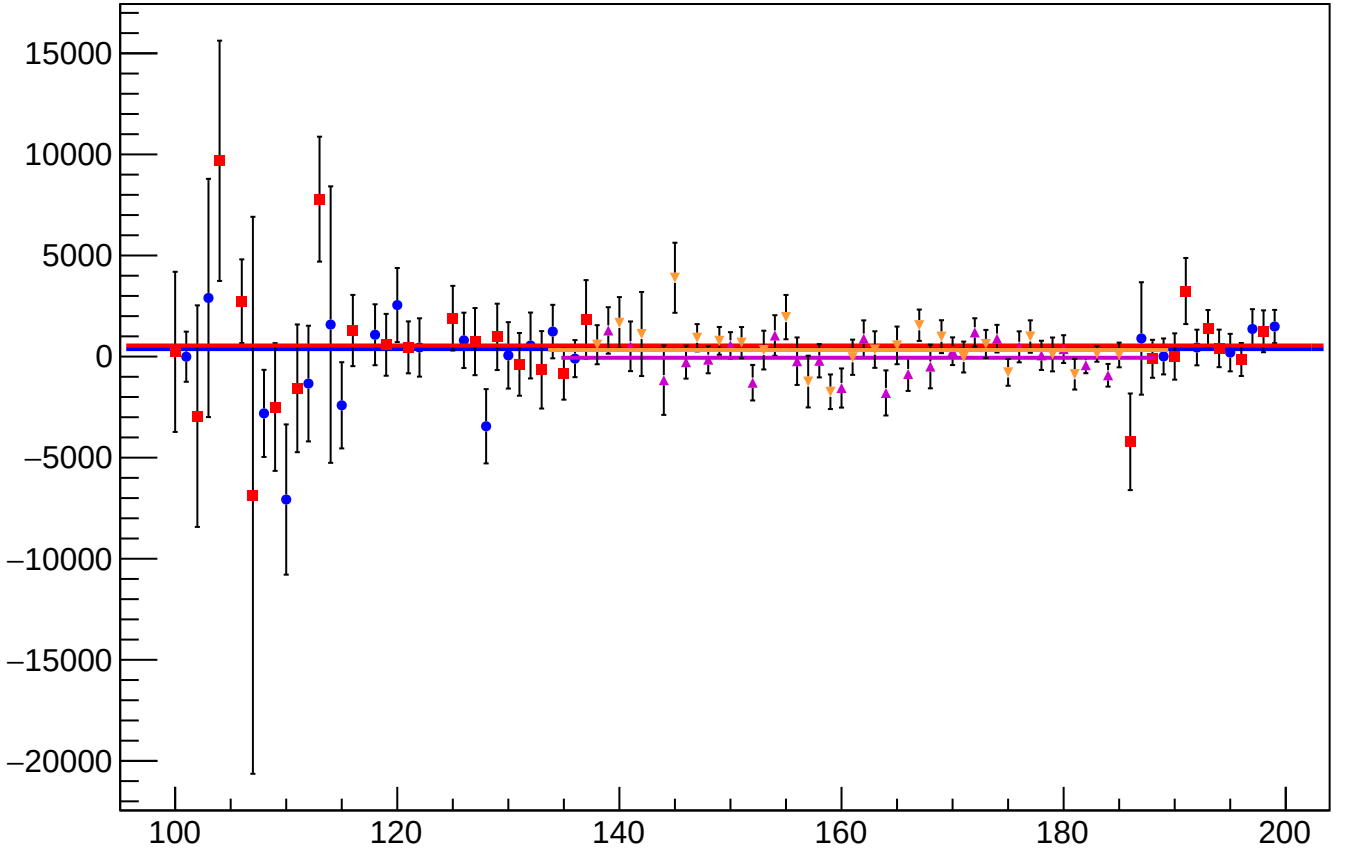
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2411.724+/-0.312 χ^2/NDF: 303667.9/45

All: 2424.944+/-0.220 χ^2/NDF: 894469.0/94

- sign 2438.139+/-0.311 χ^2/NDF: 587204.5/48

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 369.295+/-285.740 χ^2/NDF: 18.5/21

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 548.620+/-289.313 χ^2/NDF: 23.9/25

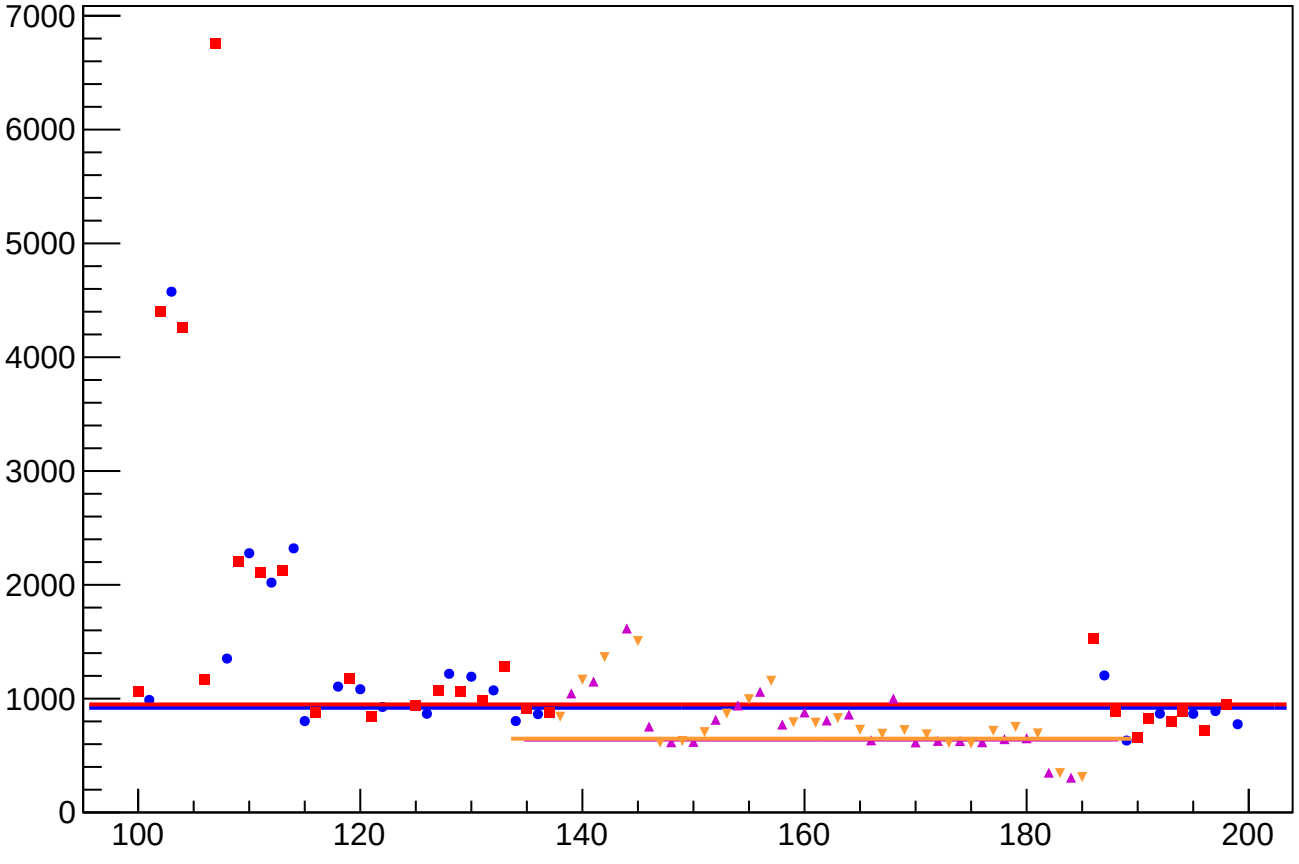
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

\+ sign 336.304+/-139.632 χ^2/NDF: 45.3/45

All: 209.493+/-98.791 χ^2/NDF: 96.9/94

\- sign 82.388+/-139.793 χ^2/NDF: 50.0/48

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 919.883+/-0.202 χ^2/NDF: 2013425.7/21

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 949.127+/-0.205 χ^2/NDF: 3300572.9/25

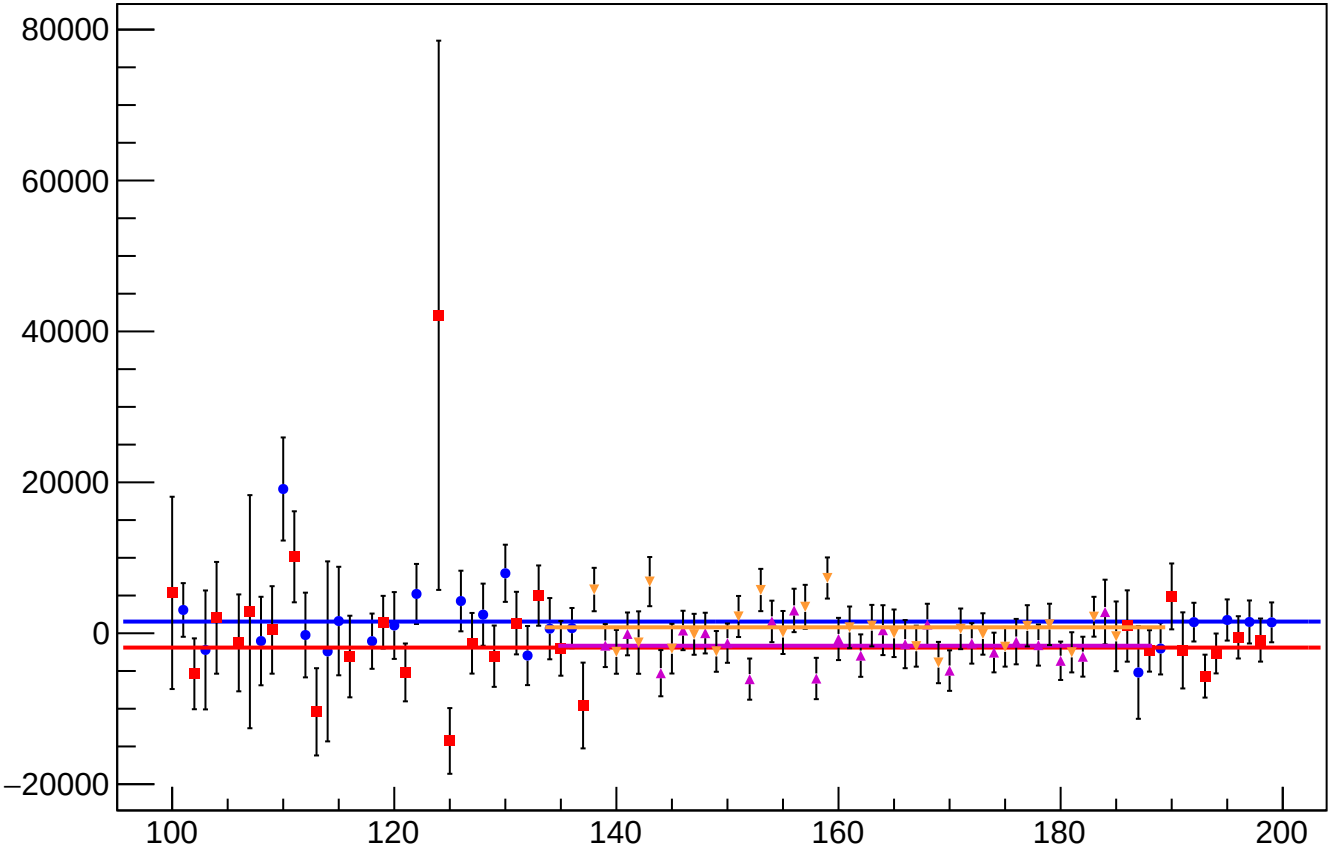
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 713.001+/-0.099 χ^2/NDF: 7277732.7/45

All: 712.749+/-0.070 χ^2/NDF: 16452535.6/94

- sign 712.497+/-0.099 χ^2/NDF: 9174789.8/48

asym_atl1_mean vs Slug



Right In: 1548.774+/-812.580 χ^2/NDF: 16.0/21

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1896.831+/-800.671 χ^2/NDF: 29.4/26

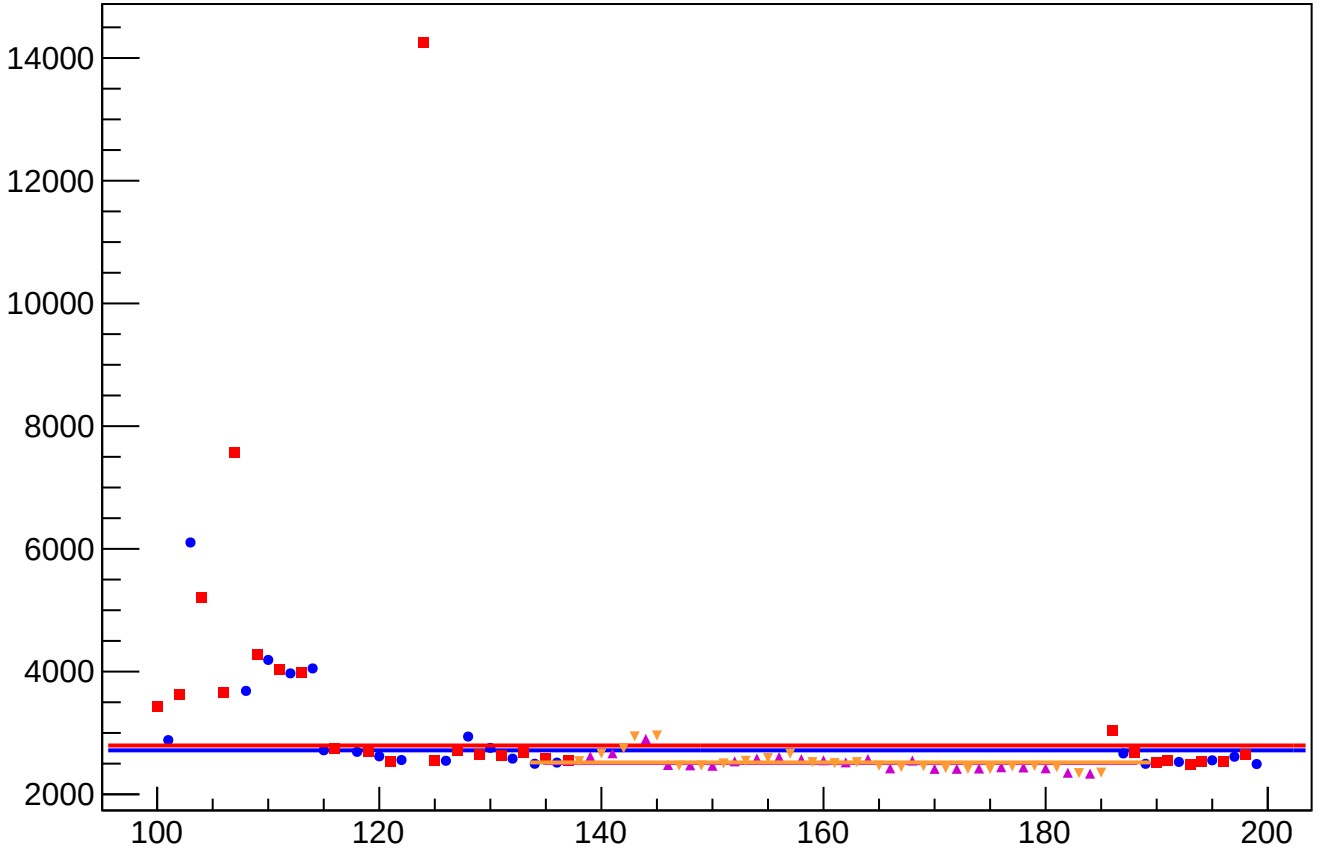
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1043.113+/-468.427 χ^2/NDF: 43.7/46

All: -333.725+/-332.931 χ^2/NDF: 107.9/96

- sign -1739.254+/-473.282 χ^2/NDF: 46.7/49

asym_atl1_rms vs Slug



Right In: 2716.494+/-0.575 χ^2/NDF: 723238.0/21

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2795.597+/-0.566 χ^2/NDF: 1127691.4/26

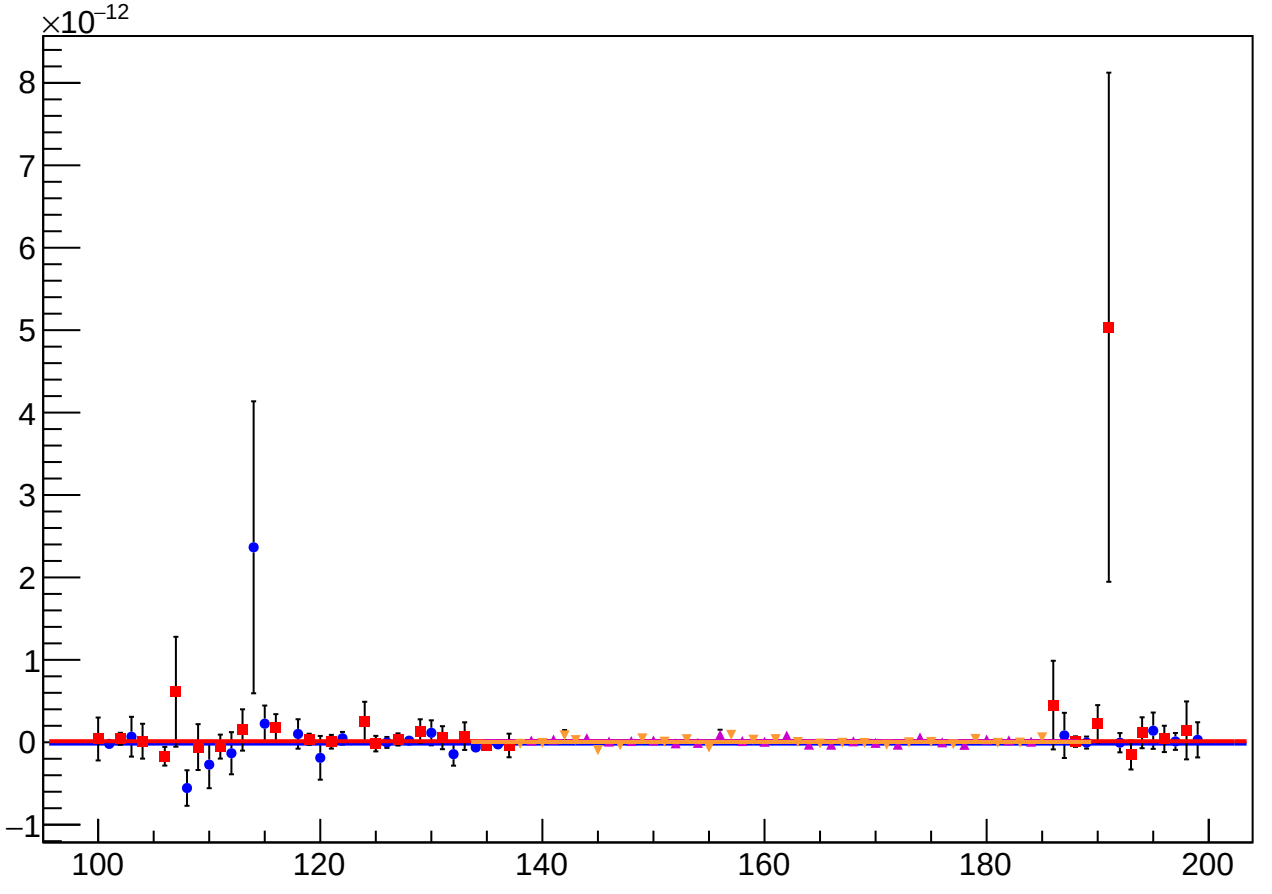
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2584.975+/-0.331 χ^2/NDF: 916912.7/46

All: 2597.304+/-0.235 χ^2/NDF: 2286548.6/96

- 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: 16.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

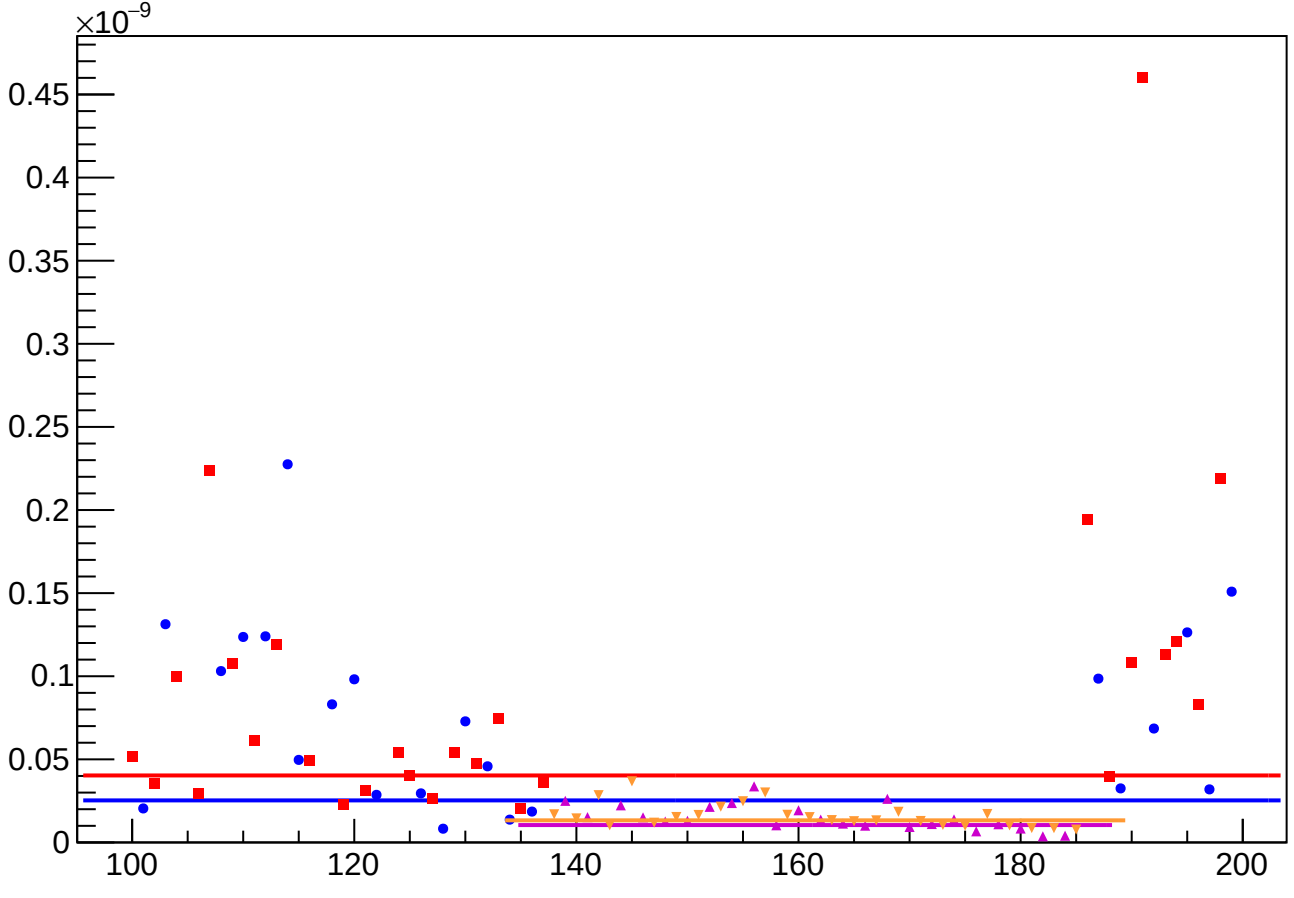
Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/26

Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.3/46

All: 0.000+/-0.000 χ^2/NDF: 95.3/96

- sign 0.000+/-0.000 χ^2/NDF: 46.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 3974130.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3095217.7/26

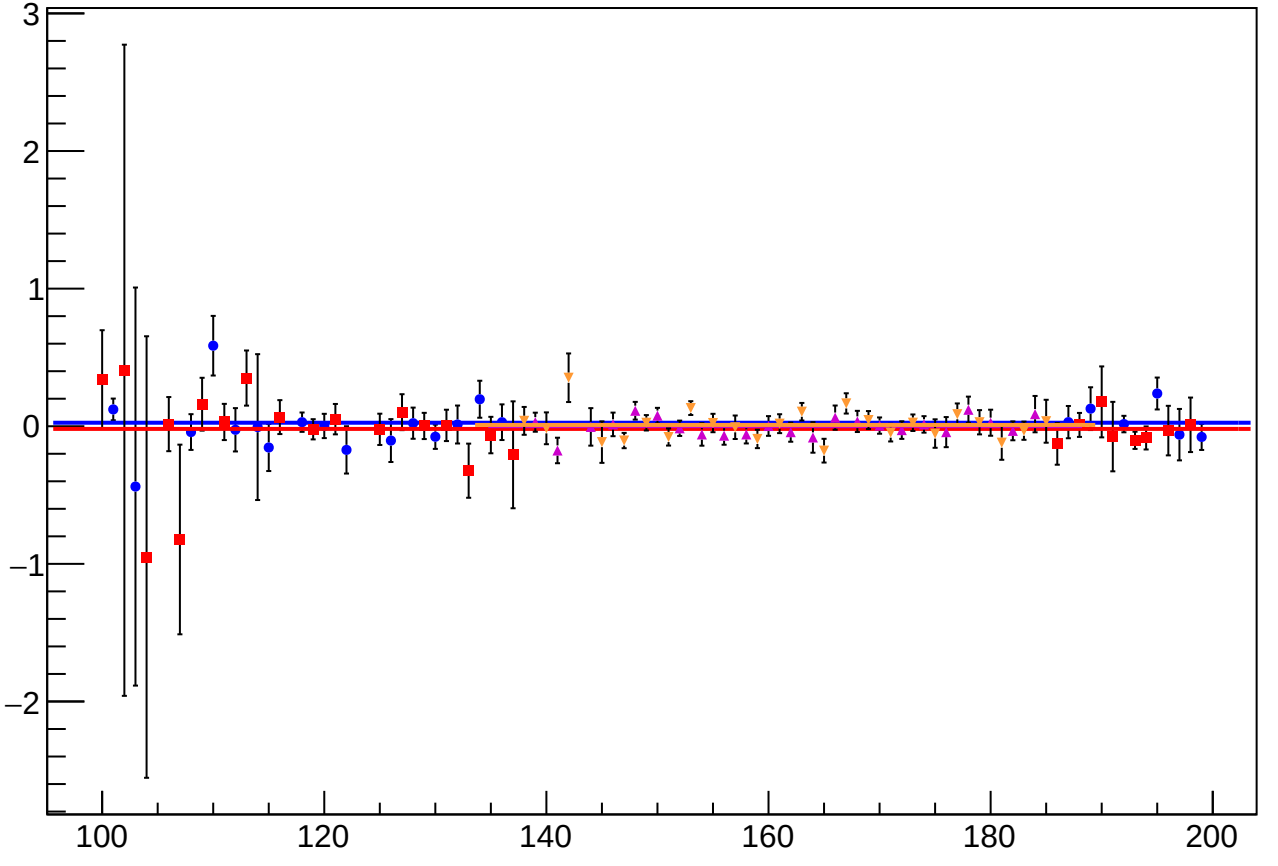
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6440499.4/46

All: 0.000+/-0.000 χ^2/NDF: 16136385.4/96

- sign 0.000+/-0.000 χ^2/NDF: 9400741.5/49

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.025 χ^2/NDF: 15.5/25

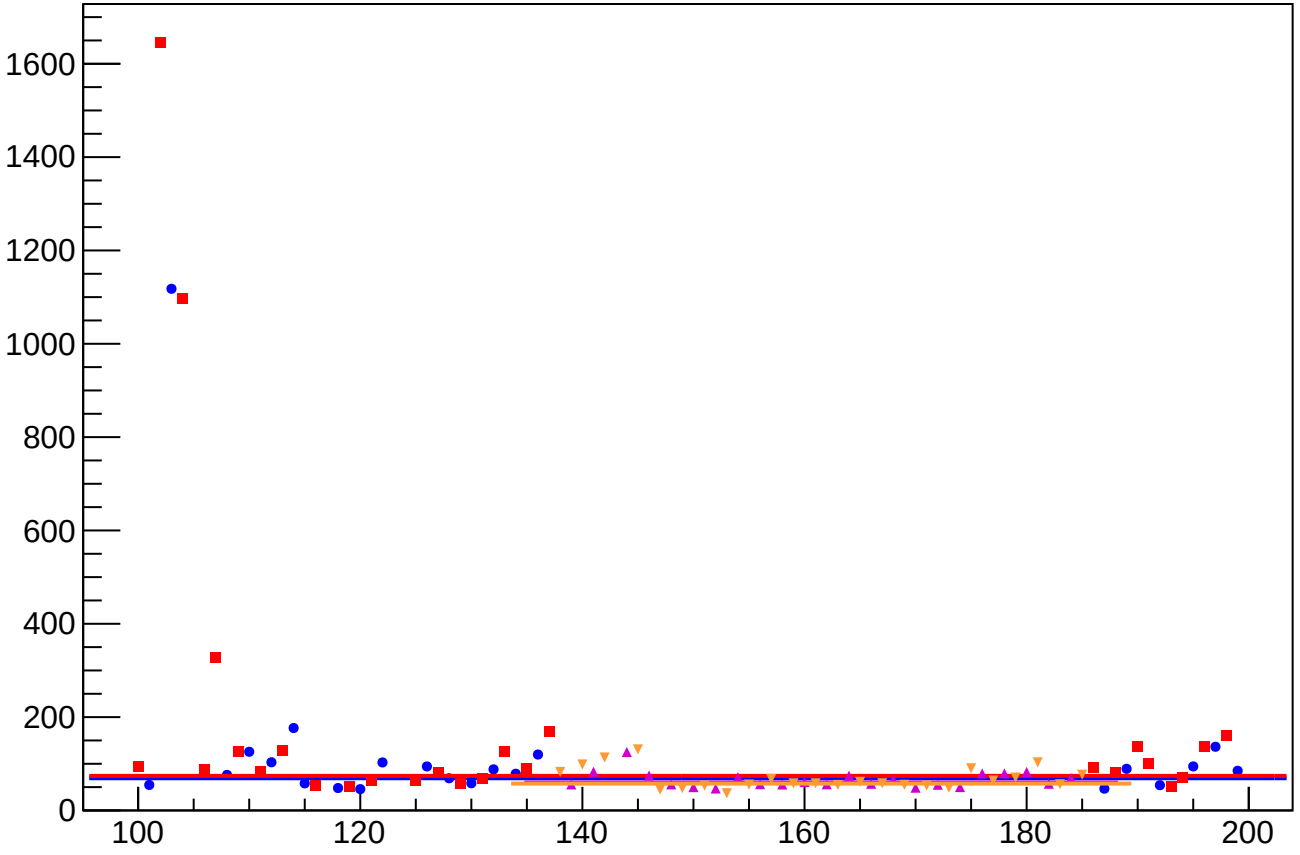
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 55.1/45

All: 0.005+/-0.009 χ^2/NDF: 87.6/94

- sign -0.005+/-0.013 χ^2/NDF: 31.5/48

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 69.027+/-0.017 χ^2/NDF: 2921340.1/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002884.6/25

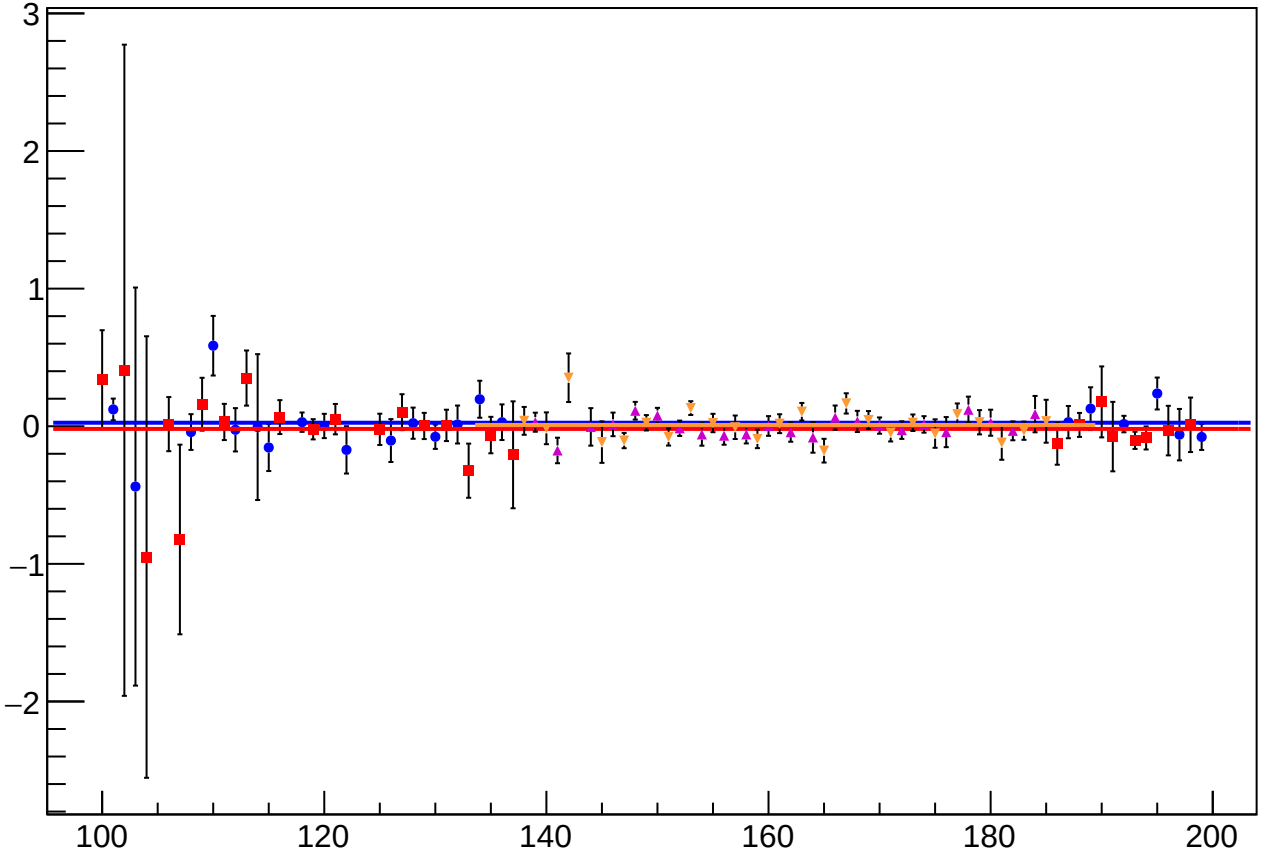
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 60.810+/-0.009 χ^2/NDF: 5455138.2/45

All: 62.214+/-0.007 χ^2/NDF: 11310607.5/94

- sign 63.710+/-0.009 χ^2/NDF: 5805831.7/48

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.025 χ^2/NDF: 15.5/25

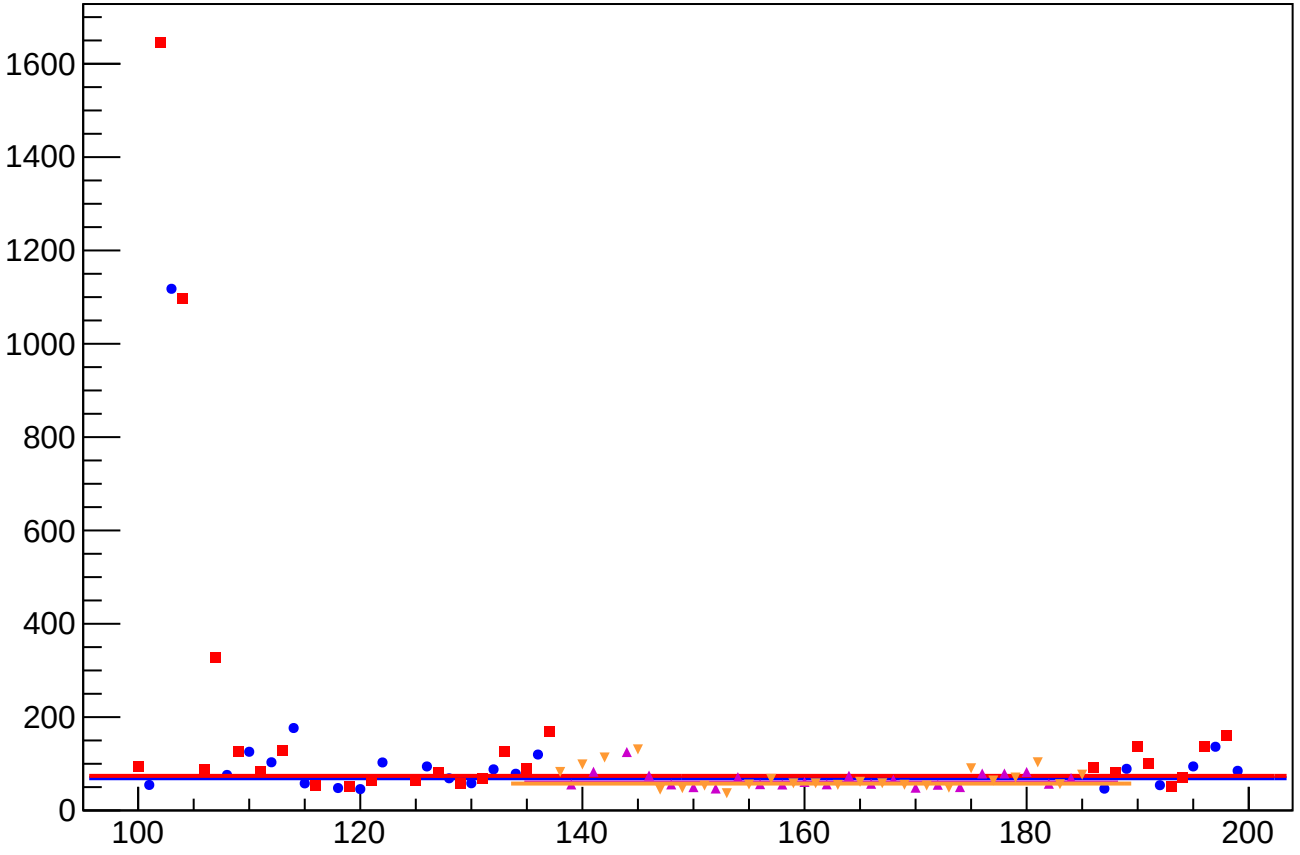
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 55.1/45

All: 0.005+/-0.009 χ^2/NDF: 87.6/94

- sign -0.005+/-0.013 χ^2/NDF: 31.5/48

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.027+/-0.017 χ^2/NDF: 2921340.1/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002884.6/25

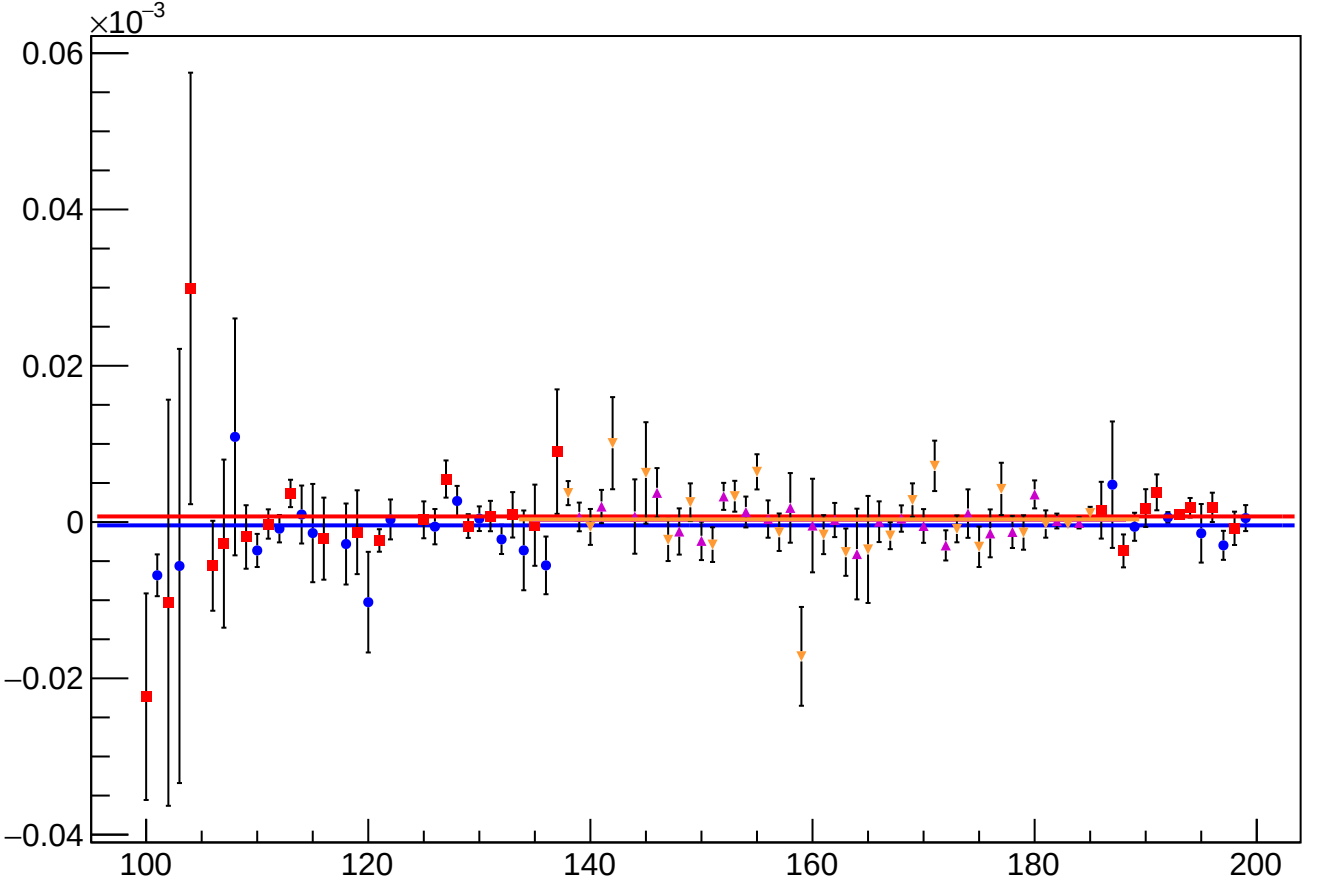
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 60.810+/-0.009 χ^2/NDF: 5455138.2/45

All: 62.214+/-0.007 χ^2/NDF: 11310607.5/94

- 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: 22.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/25

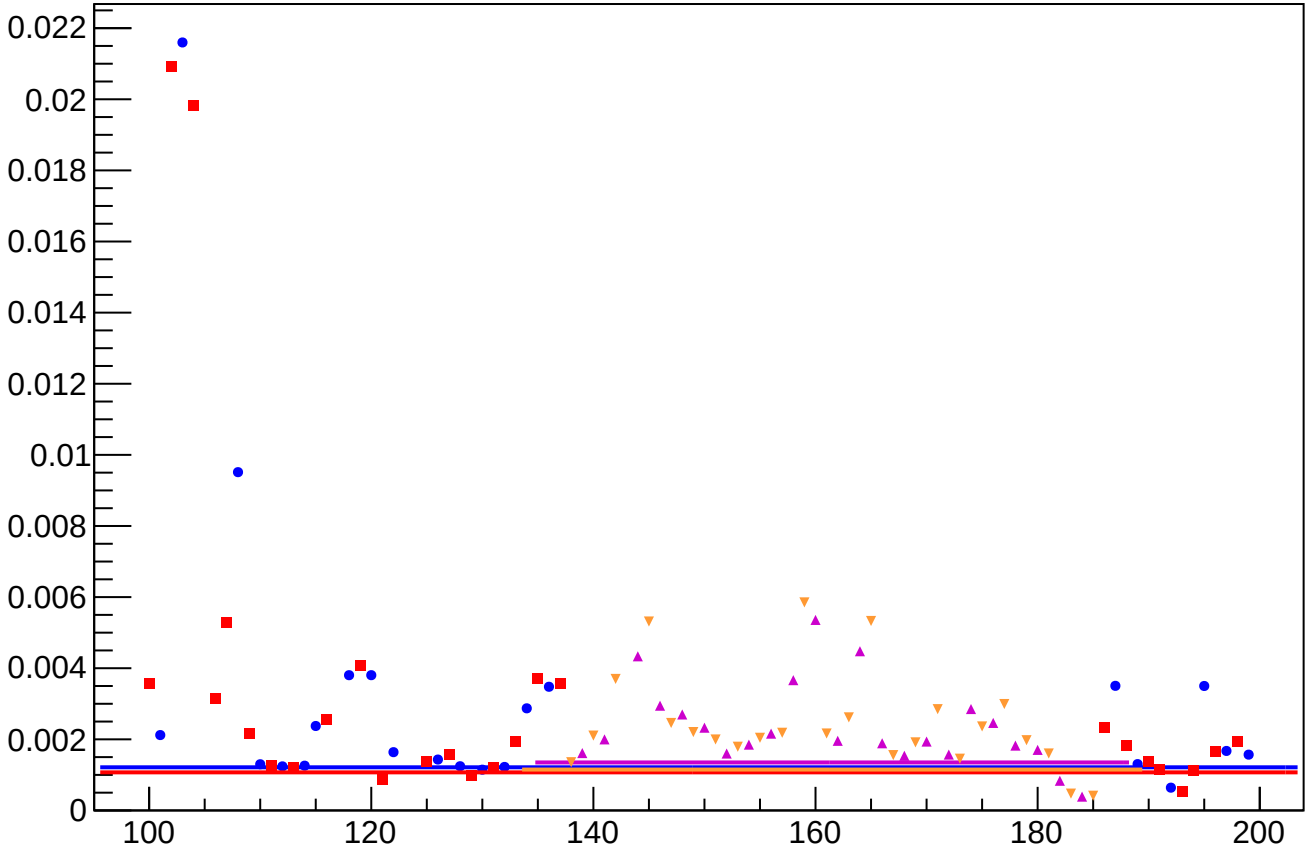
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.2/45

All: 0.000+/-0.000 χ^2/NDF: 116.5/94

- 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: 6363888.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7452271.7/25

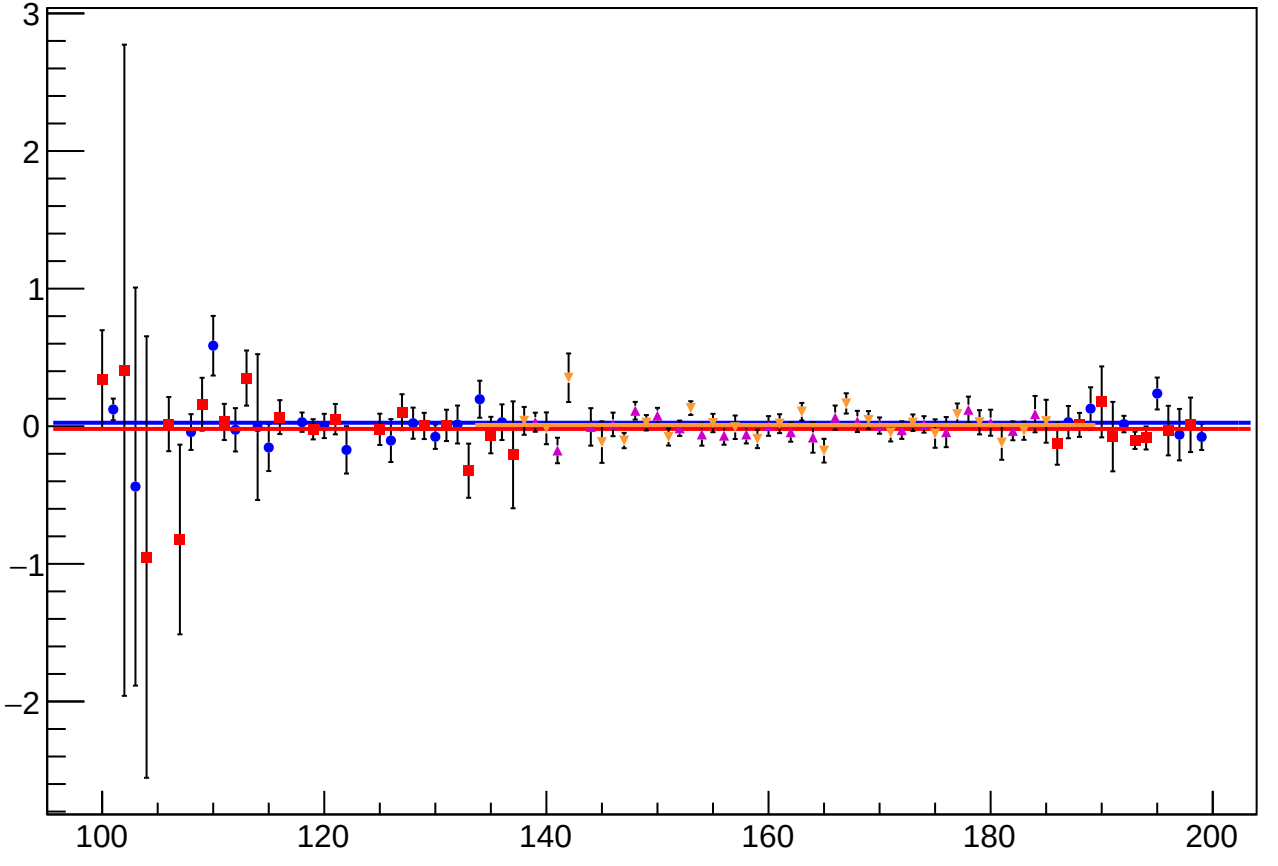
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

\+ sign 0.001+/-0.000 χ^2/NDF: 19632945.3/45

All: 0.001+/-0.000 χ^2/NDF: 37888783.3/94

\- sign 0.001+/-0.000 χ^2/NDF: 18240019.4/48

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.025 χ^2/NDF: 15.5/25

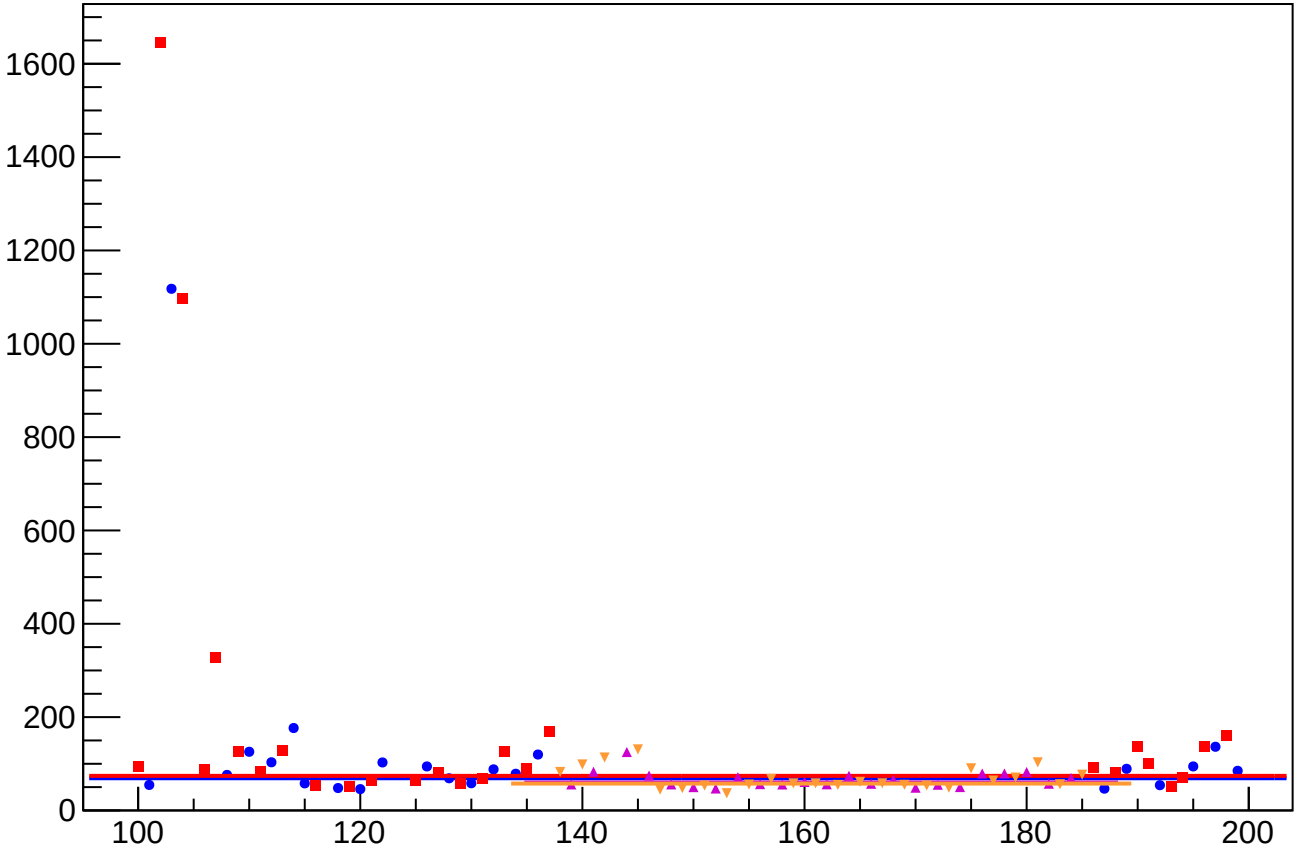
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 55.1/45

All: 0.005+/-0.009 χ^2/NDF: 87.6/94

- sign -0.005+/-0.013 χ^2/NDF: 31.5/48

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.027+/-0.017 χ^2/NDF: 2921467.4/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002902.9/25

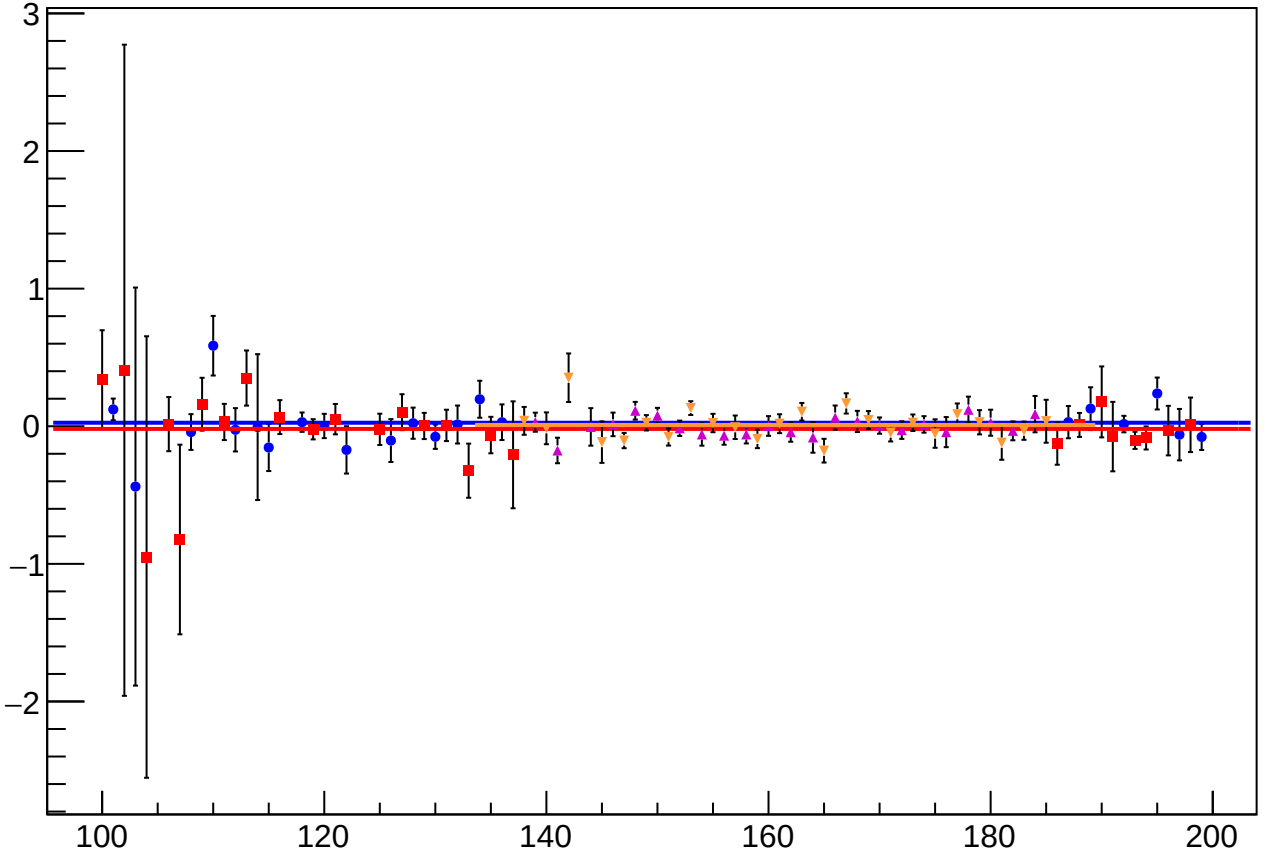
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 60.809+/-0.009 χ^2/NDF: 5455298.5/45

All: 62.214+/-0.007 χ^2/NDF: 11310742.4/94

- sign 63.710+/-0.009 χ^2/NDF: 5805798.7/48

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

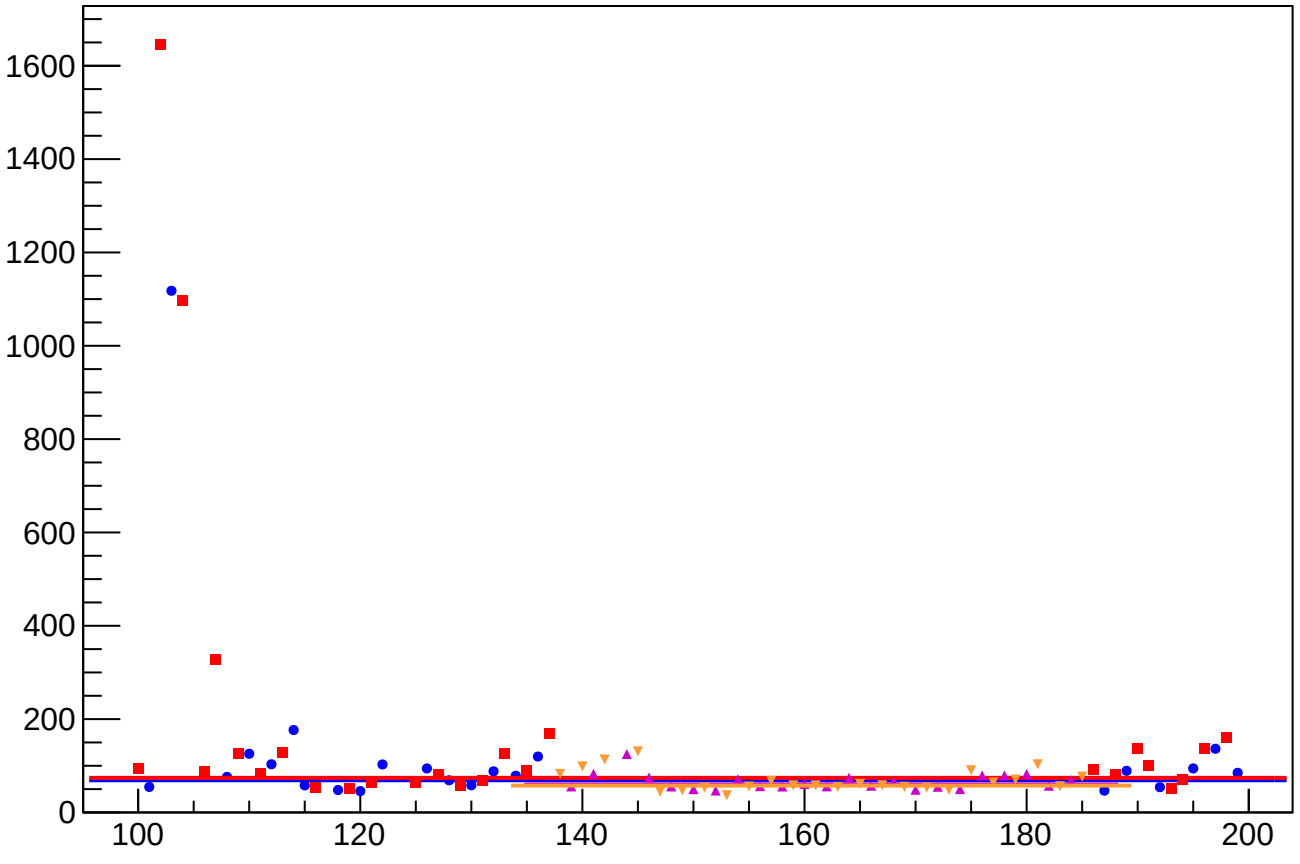
Right Out: -0.019+/-0.025 χ^2/NDF: 15.5/25

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 55.1/45

All: 0.005+/-0.009 χ^2/NDF: 87.6/94

- sign -0.005+/-0.013 χ^2/NDF: 31.5/48



Right In: 69.027+/-0.017 χ^2/NDF: 2921467.4/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

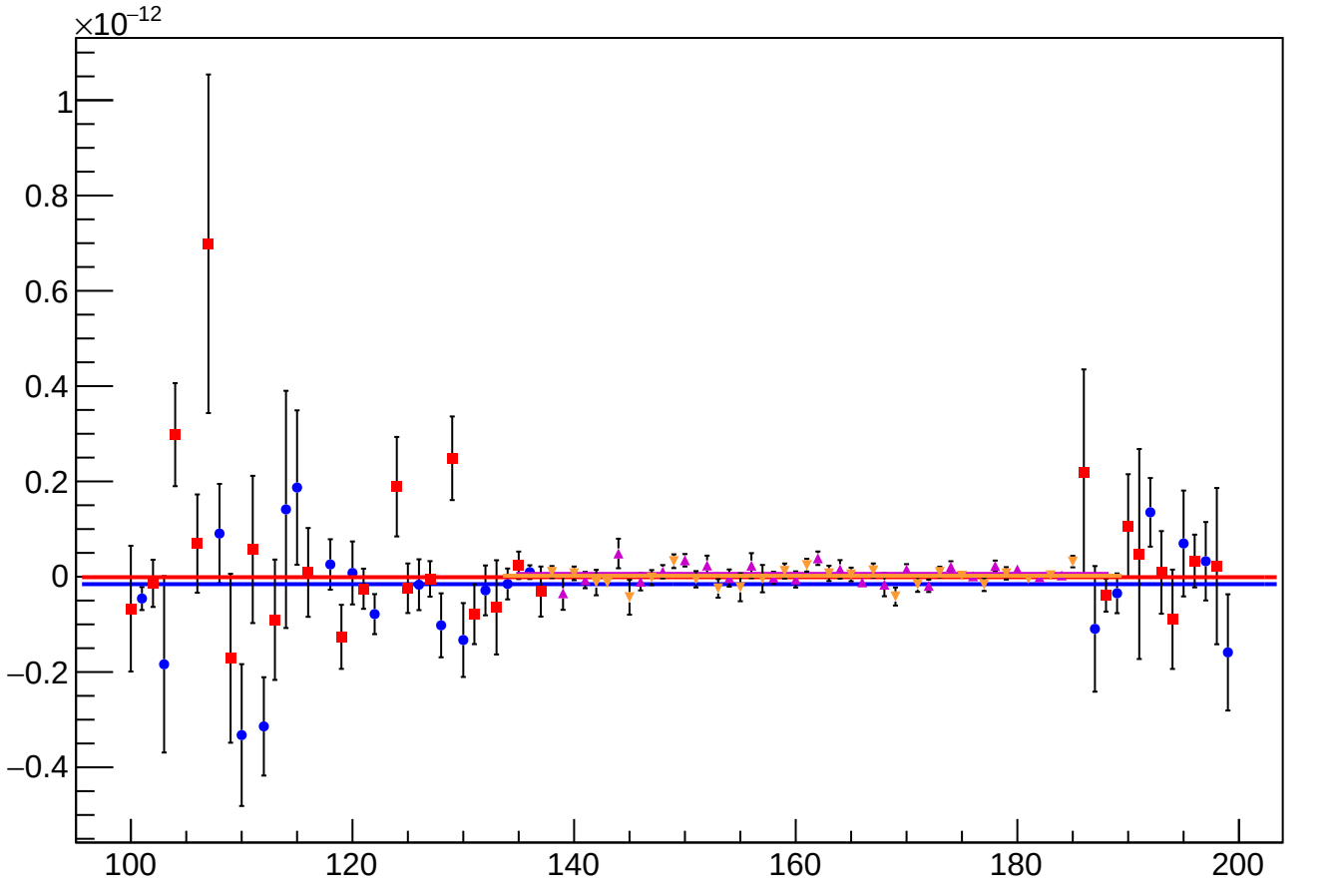
Right Out: 74.116+/-0.018 χ^2/NDF: 4002902.9/25

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

\+ sign 60.809+/-0.009 χ^2/NDF: 5455298.5/45

All: 62.214+/-0.007 χ^2/NDF: 11310742.4/94

\- sign 63.710+/-0.009 χ^2/NDF: 5805798.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

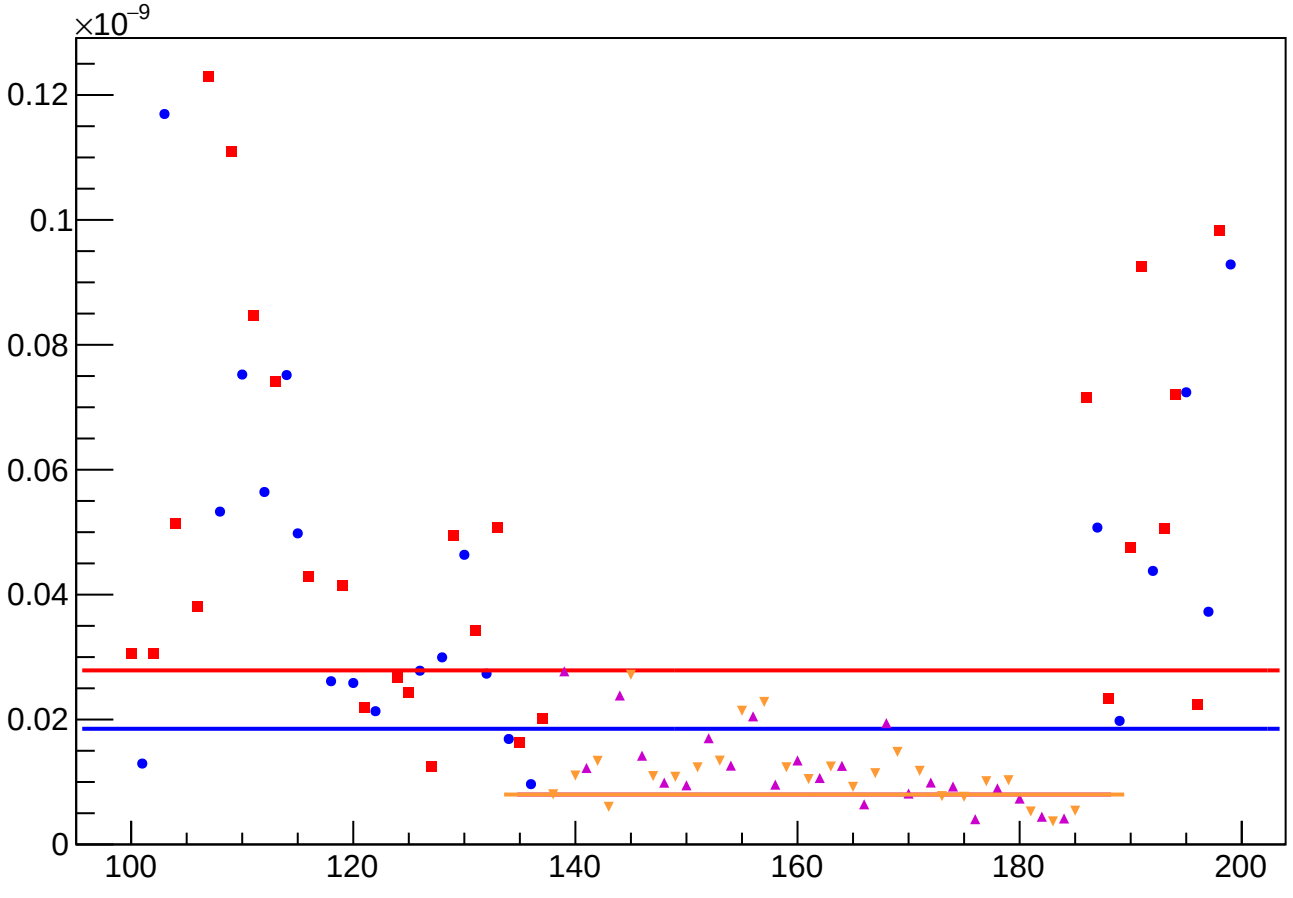
Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/26

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.8/46

All: 0.000+/-0.000 χ^2/NDF: 142.3/96

- sign 0.000+/-0.000 χ^2/NDF: 69.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 4584654.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3615121.6/26

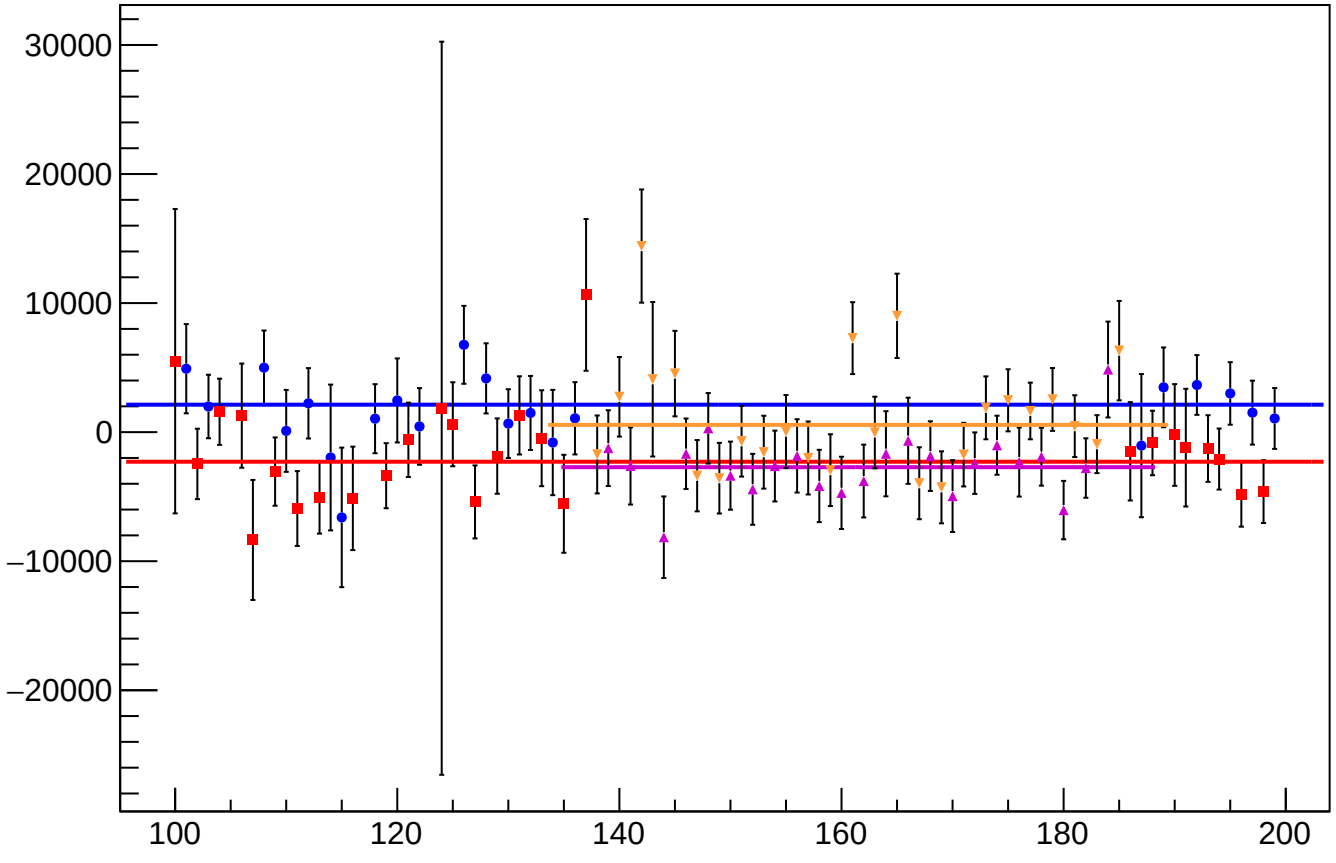
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

\+ sign 0.000+/-0.000 χ^2/NDF: 11786823.4/46

All: 0.000+/-0.000 χ^2/NDF: 25506277.0/96

\- sign 0.000+/-0.000 χ^2/NDF: 13716552.8/49

reg_asym_atl2_mean vs Slug



Right In: 2127.400+/-626.357 χ^2/NDF: 11.0/21

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2292.285+/-603.238 χ^2/NDF: 21.0/26

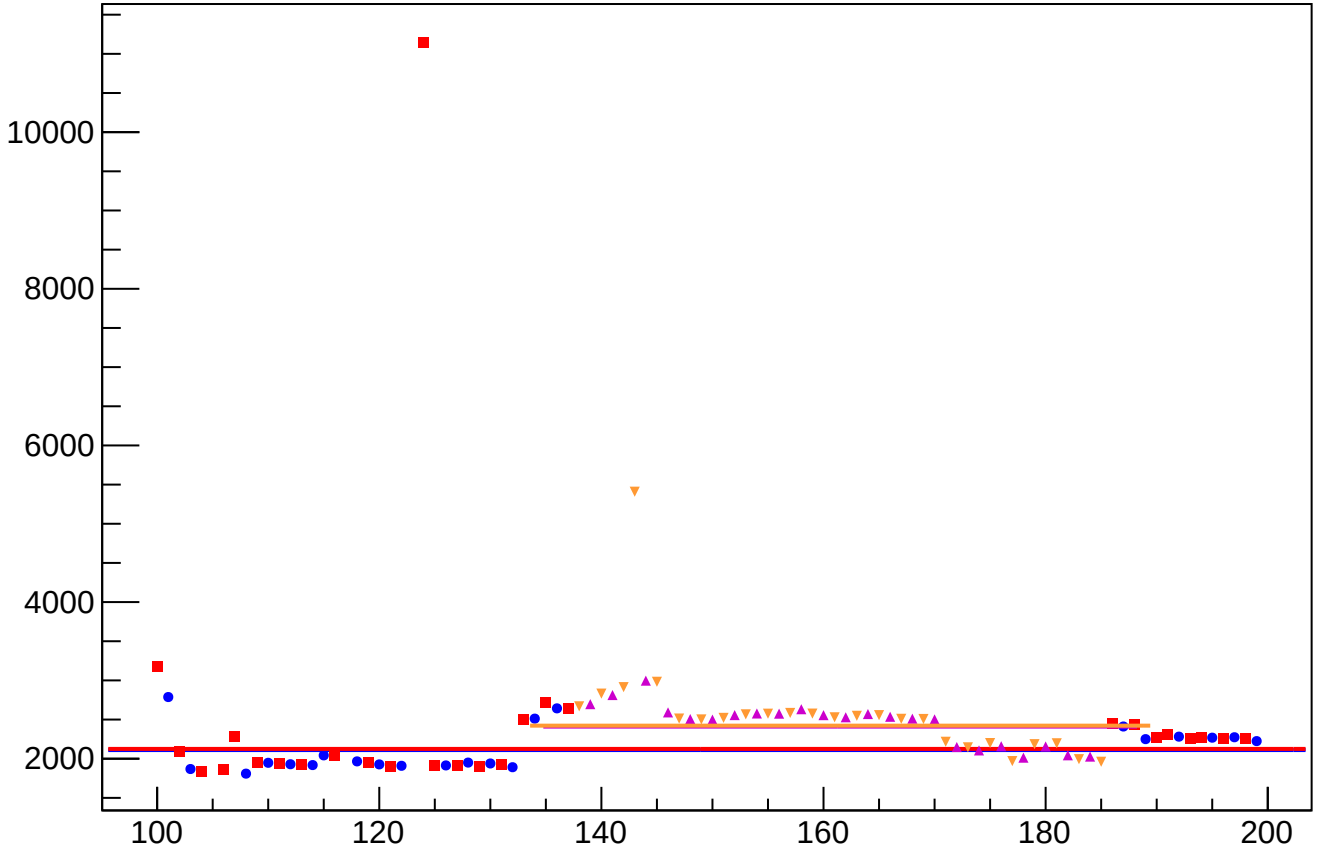
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1253.922+/-416.360 χ^2/NDF: 58.4/46

All: -647.888+/-293.158 χ^2/NDF: 135.3/96

- sign -2517.655+/-412.838 χ^2/NDF: 35.5/49

reg_asym_atl2_rms vs Slug



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.4/21

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.253+/-0.427 χ^2/NDF: 505328.2/26

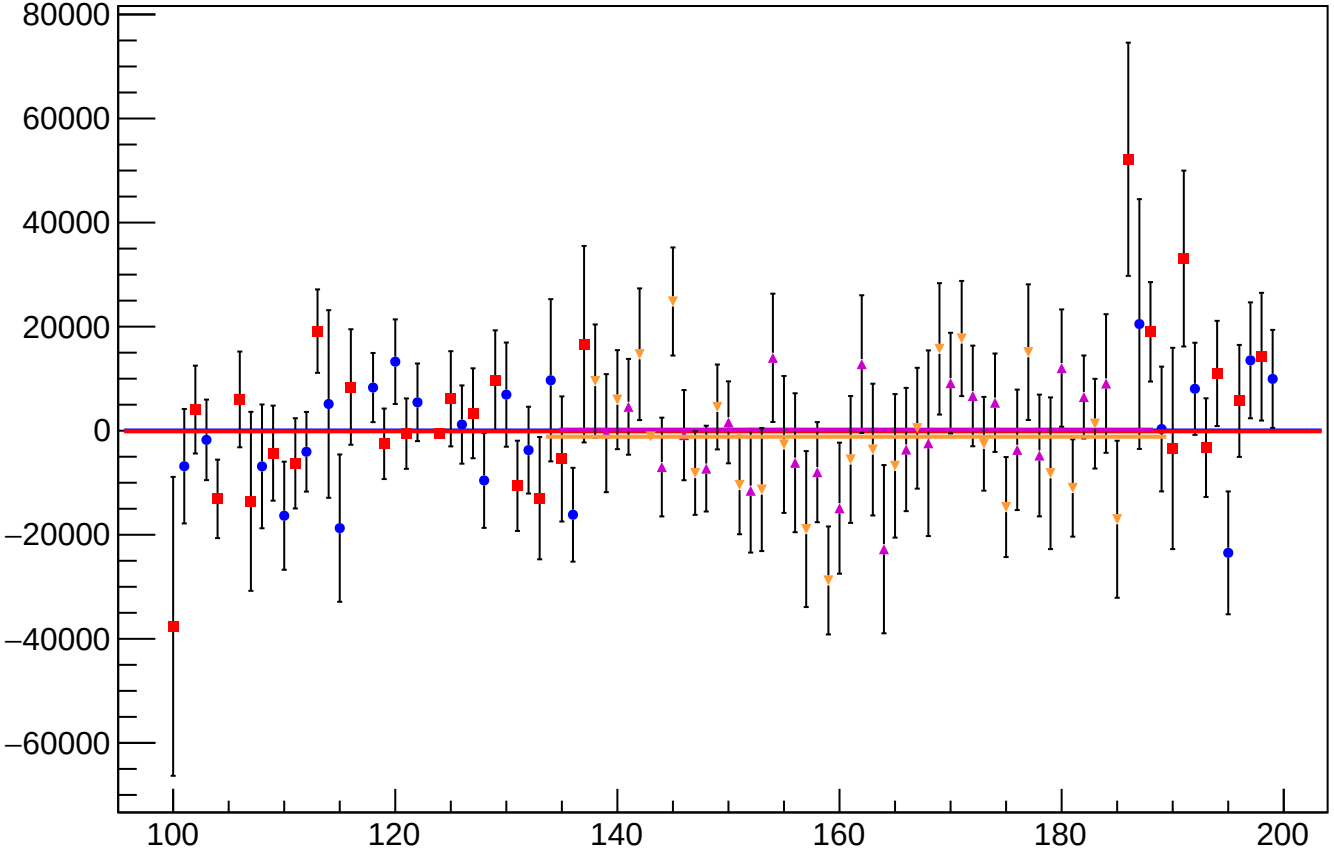
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2284.420+/-0.294 χ^2/NDF: 1555063.5/46

All: 2280.446+/-0.207 χ^2/NDF: 2725729.7/96

- sign 2276.539+/-0.292 χ^2/NDF: 1170304.9/49

asym_atl2_reg_correction_mean vs Slug



Right In: 42.903+/-2038.841 χ^2/NDF: 23.6/21

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -119.110+/-756.045 χ^2/NDF: 35.0/26

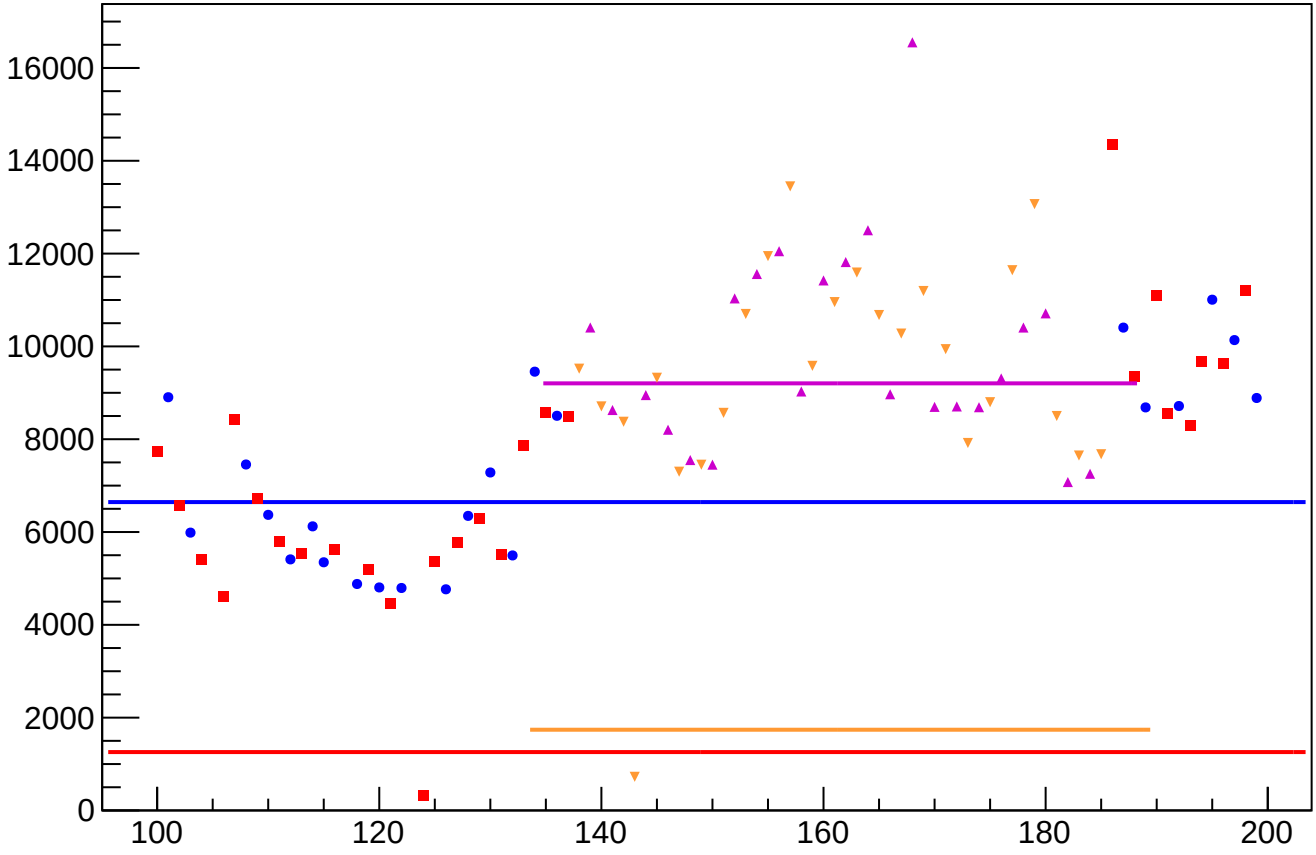
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1012.424+/-710.320 χ^2/NDF: 55.9/46

All: -551.273+/-503.860 χ^2/NDF: 105.1/96

- sign -84.244+/-714.832 χ^2/NDF: 48.4/49

asym_atl2_reg_correction_rms vs Slug



Right In: 6645.177+/-1.442 χ^2/NDF: 1668711.0/21

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1258.081+/-0.535 χ^2/NDF: 19690349.5/26

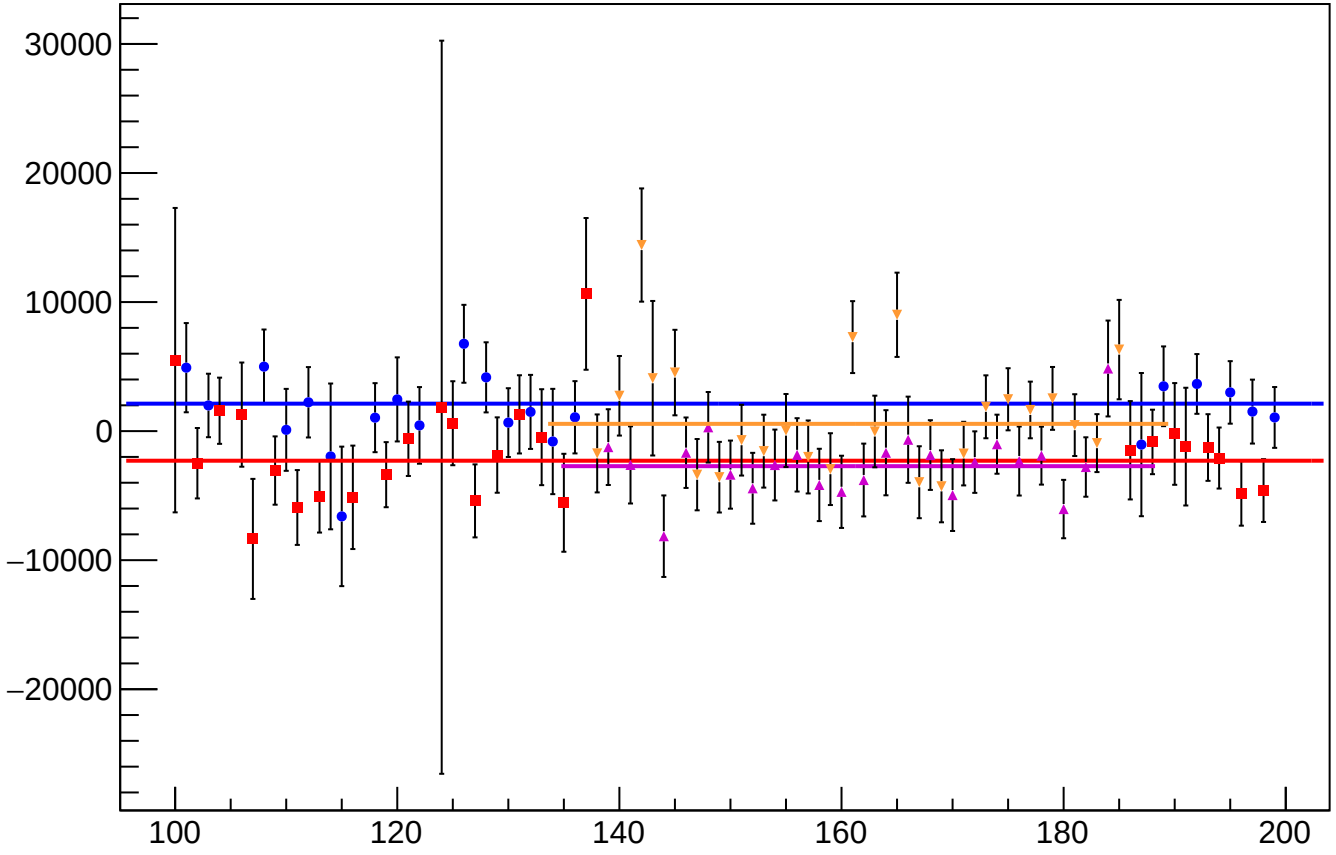
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2335.111+/-0.502 χ^2/NDF: 39575292.4/46

All: 2218.663+/-0.356 χ^2/NDF: 84072662.1/9

- sign 2100.730+/-0.505 χ^2/NDF: 44389181.6/49

cor_asym_atl2_mean vs Slug



Right In: 2127.459+/-626.357 χ^2/NDF: 11.0/21

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2293.457+/-603.242 χ^2/NDF: 21.0/26

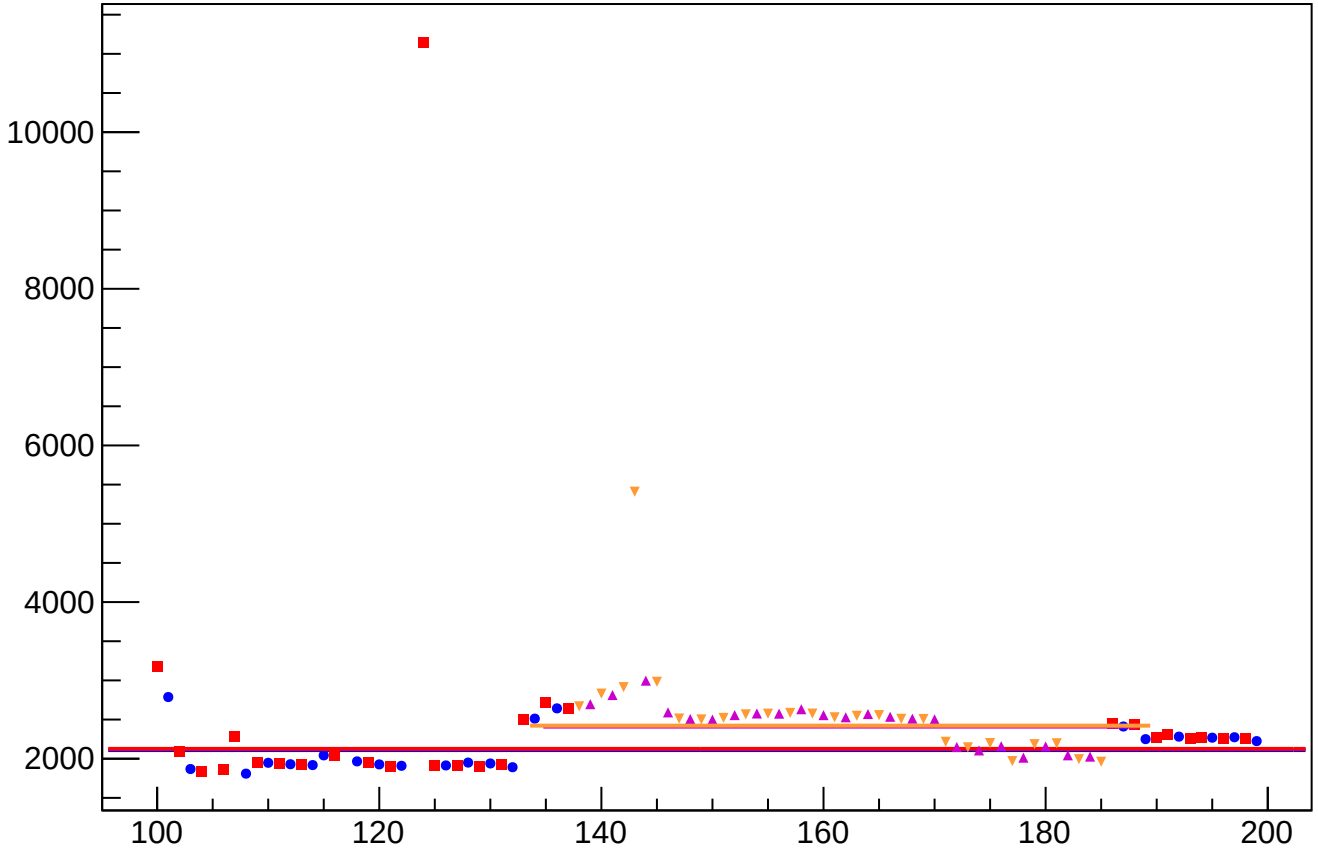
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1253.949+/-416.360 χ^2/NDF: 58.4/46

All: -648.136+/-293.158 χ^2/NDF: 135.3/96

- sign -2518.185+/-412.839 χ^2/NDF: 35.5/49

cor_asym_atl2_rms vs Slug



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.3/21

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.268+/-0.427 χ^2/NDF: 505323.5/26

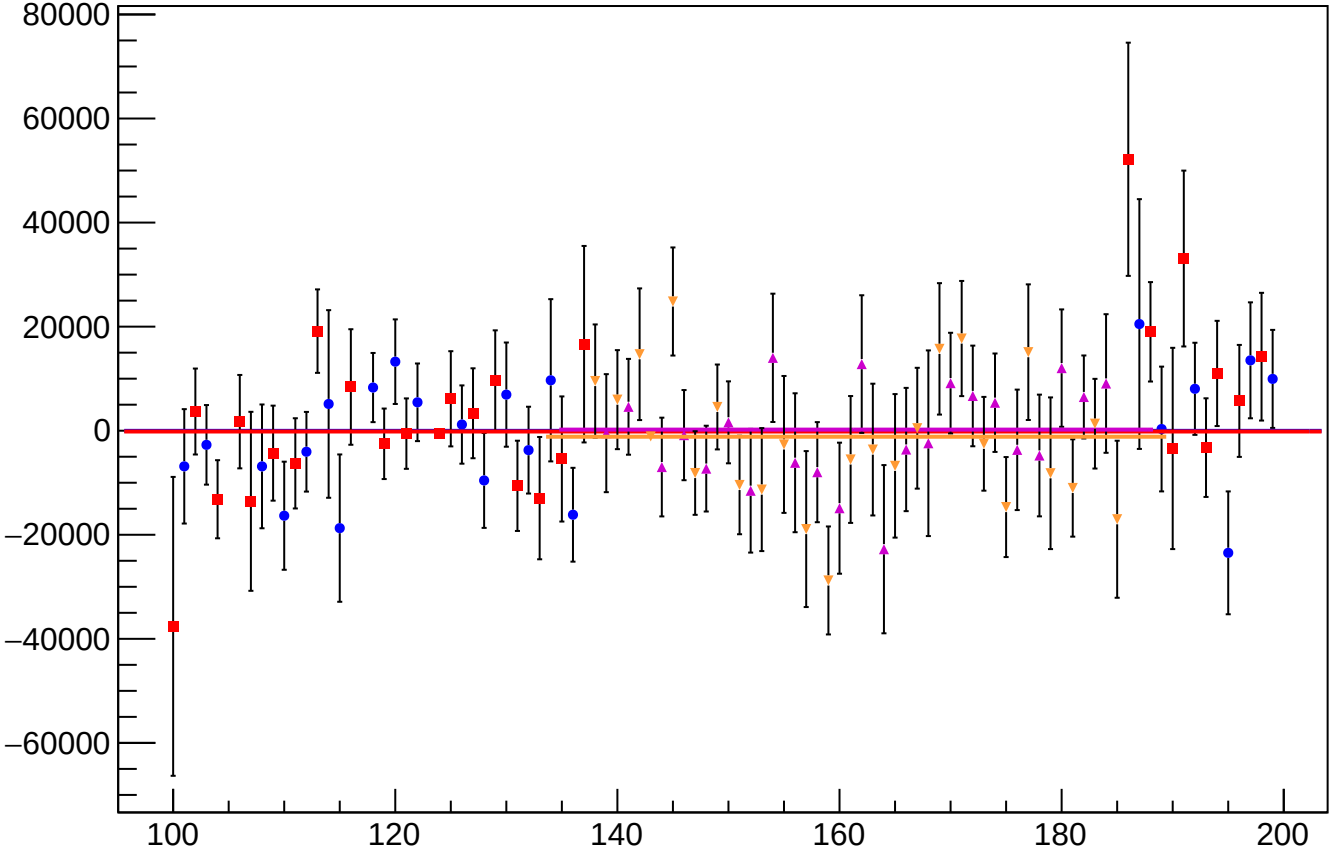
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2284.420+/-0.294 χ^2/NDF: 1555063.6/46

All: 2280.450+/-0.207 χ^2/NDF: 2725697.8/96

- sign 2276.547+/-0.292 χ^2/NDF: 1170273.6/49

asym_atl2_cor_correction_mean vs Slug



Right In: -28.781+/-2037.156 χ^2/NDF: 23.7/21

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -151.691+/-755.721 χ^2/NDF: 34.6/26

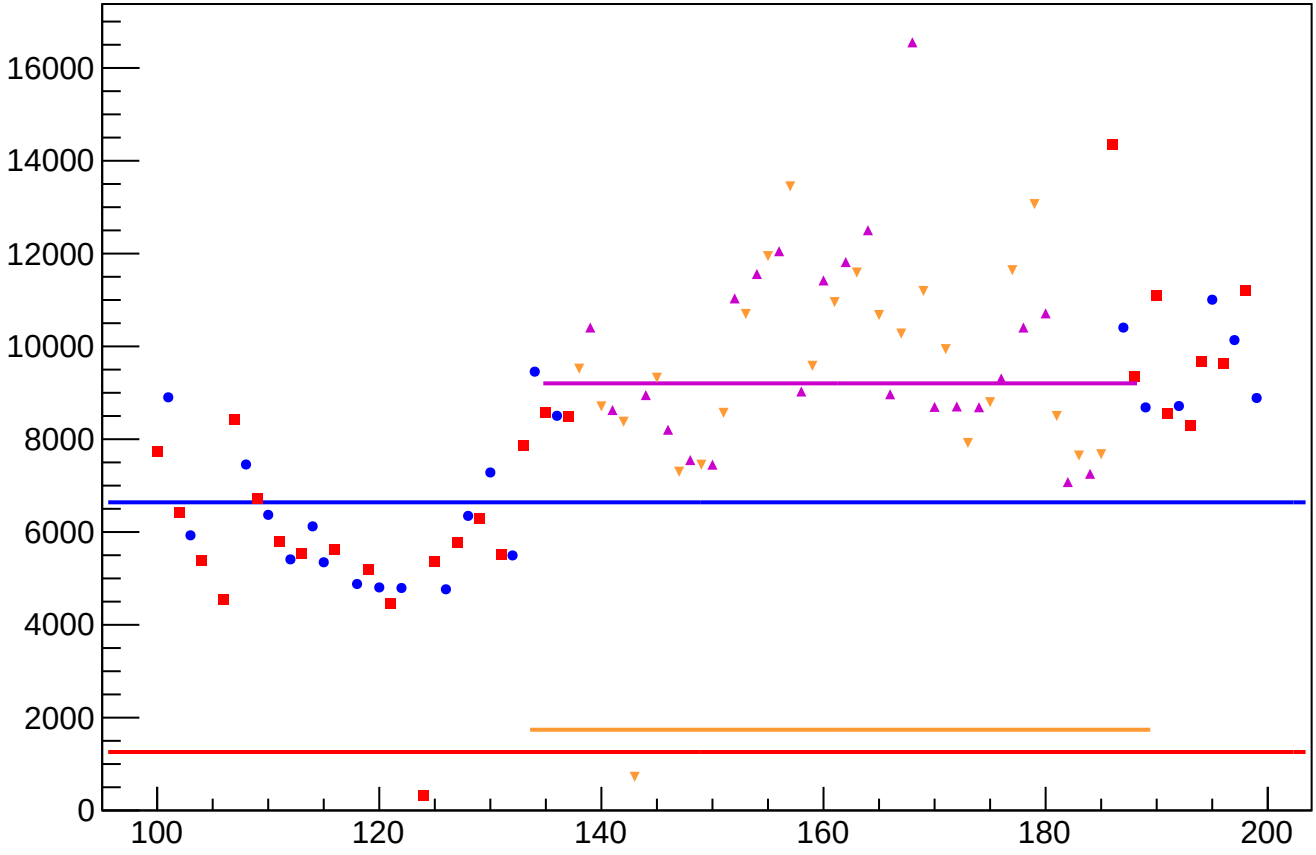
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1020.736+/-710.195 χ^2/NDF: 55.9/46

All: -569.854+/-503.719 χ^2/NDF: 104.8/96

- sign -113.415+/-714.558 χ^2/NDF: 48.1/49

asym_atl2_cor_correction_rms vs Slug



Right In: 6639.910+/-1.440 χ^2/NDF: 1671684.0/21

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1259.520+/-0.534 χ^2/NDF: 19683514.5/26

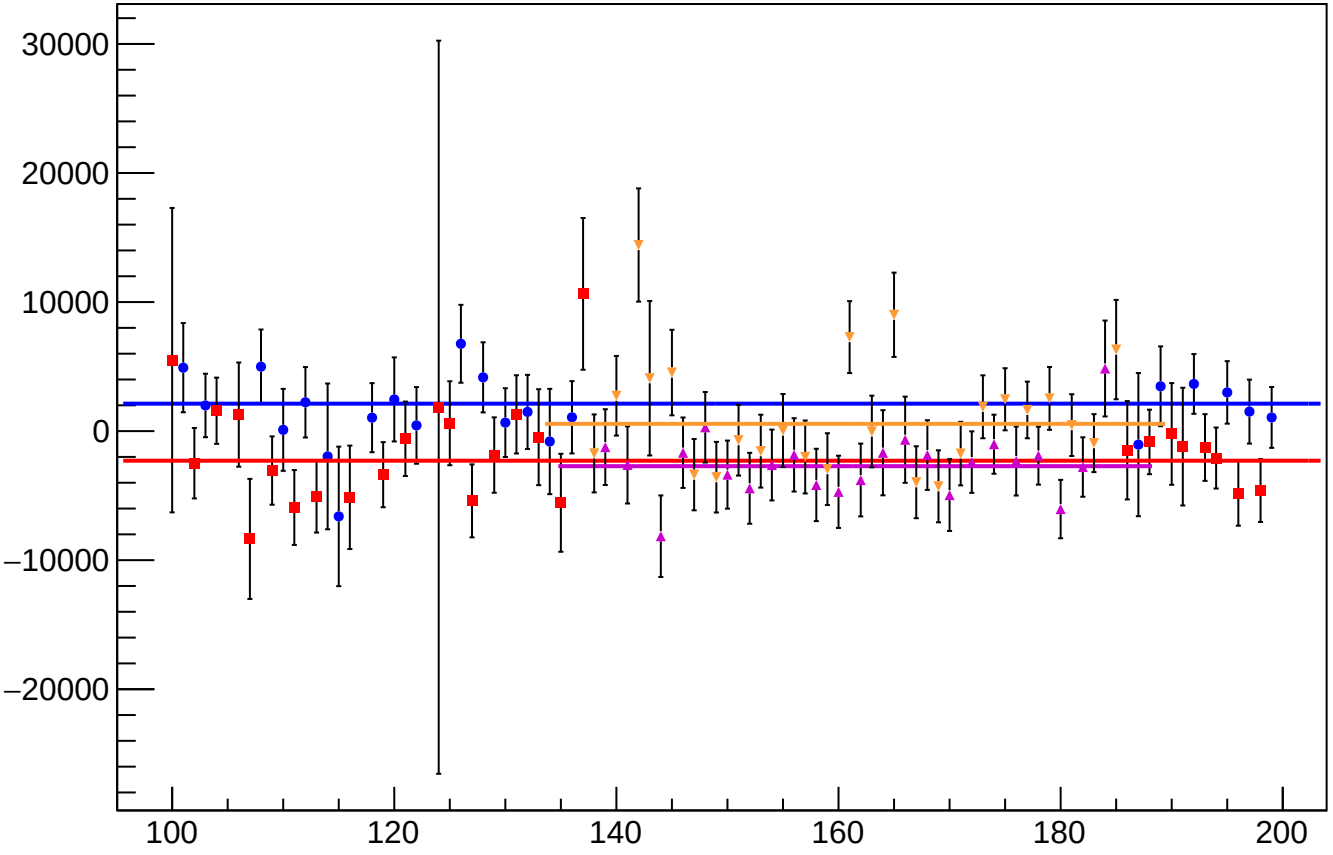
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2335.042+/-0.502 χ^2/NDF: 39573420.0/46

All: 2218.922+/-0.356 χ^2/NDF: 84056987.1/9

- sign 2101.372+/-0.505 χ^2/NDF: 44375974.8/49

eigen_cor_asym_atl2_mean vs Slug



Right In: 2127.459+/-626.357 χ^2/NDF: 11.0/21

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2293.457+/-603.242 χ^2/NDF: 21.0/26

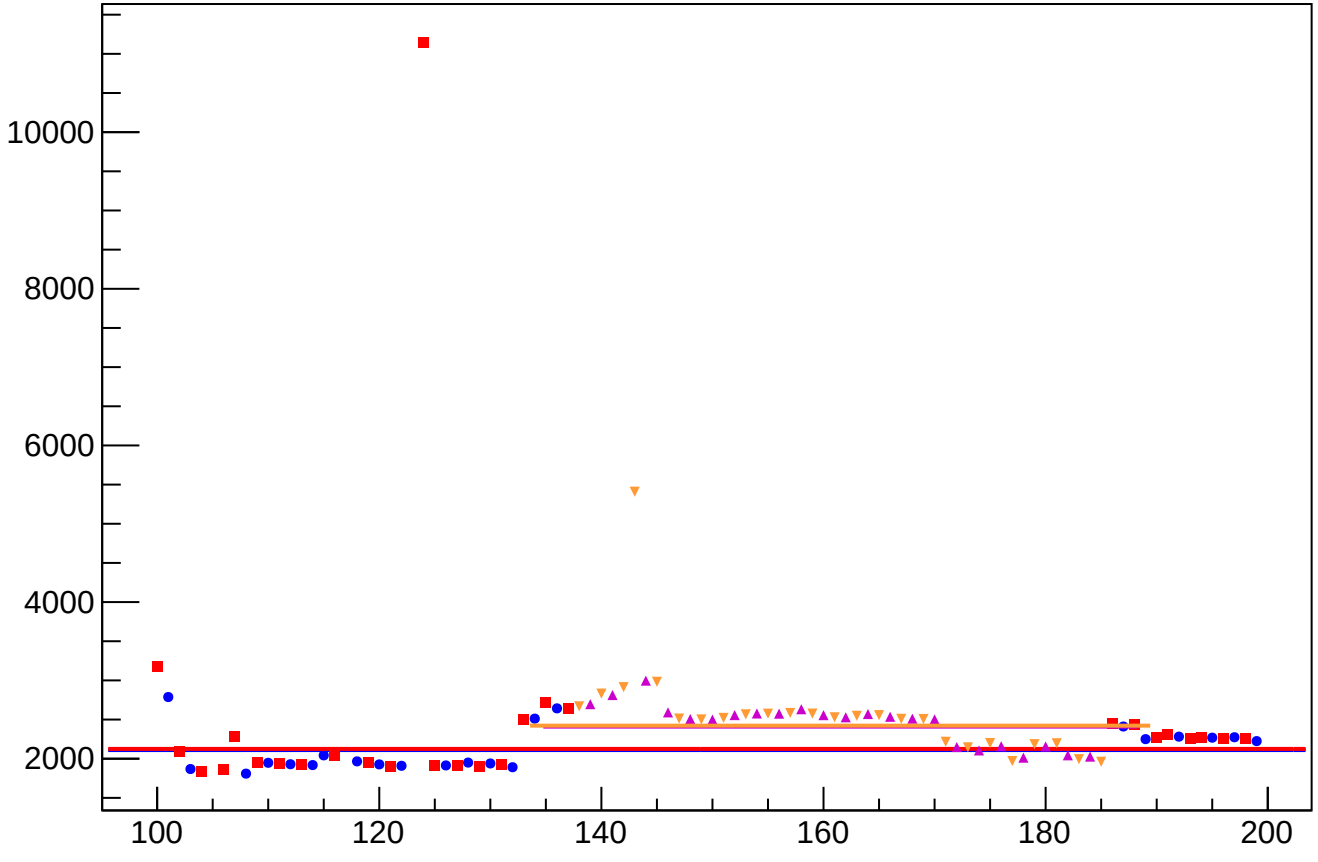
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1253.949+/-416.360 χ^2/NDF: 58.4/46

All: -648.136+/-293.158 χ^2/NDF: 135.3/96

- sign -2518.185+/-412.839 χ^2/NDF: 35.5/49

eigen_cor_asym_atl2_rms vs Slug



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.3/21

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.268+/-0.427 χ^2/NDF: 505323.5/26

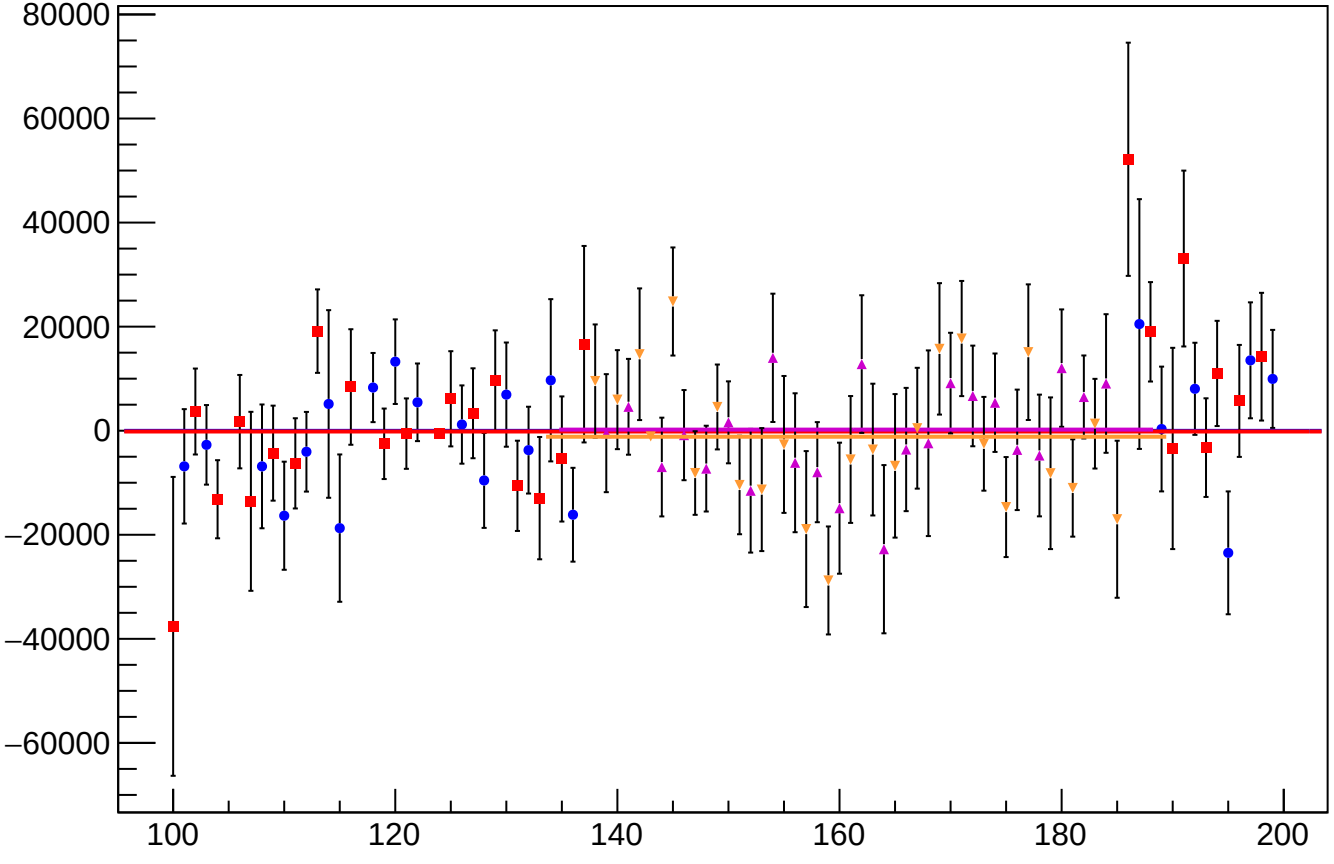
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2284.420+/-0.294 χ^2/NDF: 1555063.6/46

All: 2280.450+/-0.207 χ^2/NDF: 2725697.8/96

- sign 2276.547+/-0.292 χ^2/NDF: 1170273.6/49

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -28.781+/-2037.156 χ^2/NDF: 23.7/21

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -151.691+/-755.721 χ^2/NDF: 34.6/26

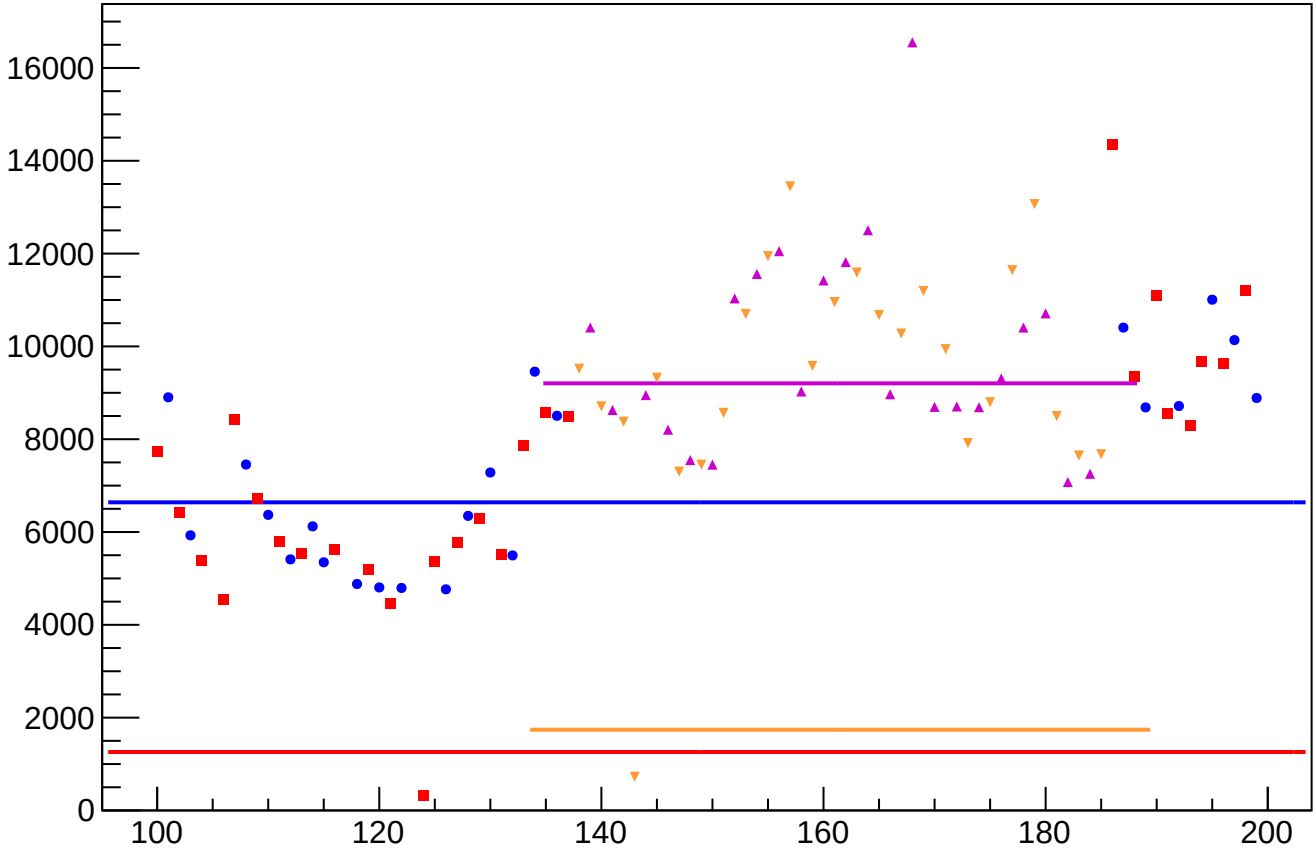
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1020.736+/-710.195 χ^2/NDF: 55.9/46

All: -569.854+/-503.719 χ^2/NDF: 104.8/96

- sign -113.415+/-714.558 χ^2/NDF: 48.1/49

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6639.910+/-1.440 χ^2/NDF: 1671684.0/21

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1259.520+/-0.534 χ^2/NDF: 19683514.5/26

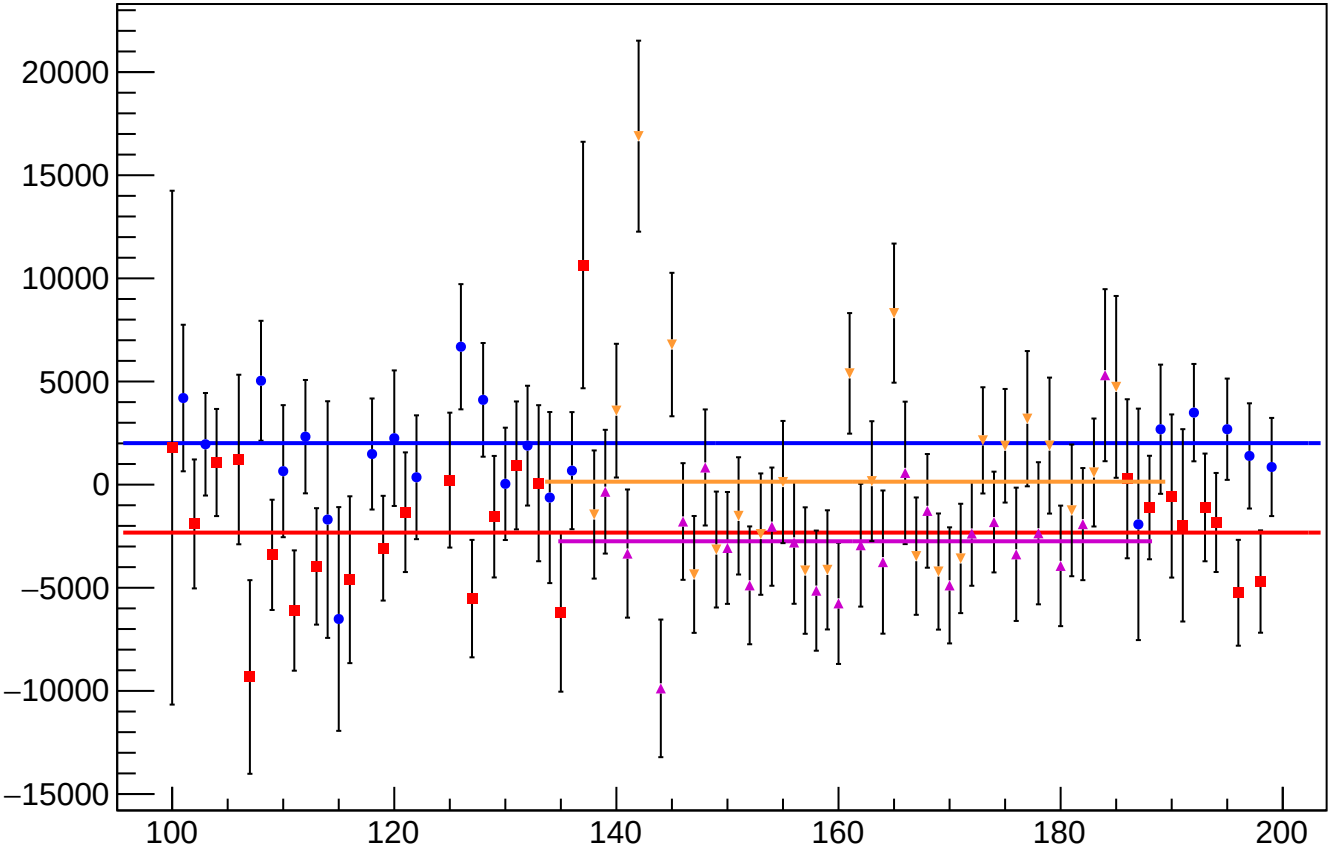
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2335.042+/-0.502 χ^2/NDF: 39573420.0/46

All: 2218.922+/-0.356 χ^2/NDF: 84056987.1/9

- sign 2101.372+/-0.505 χ^2/NDF: 44375974.8/49

dit_asym_atl2_mean vs Slug



Right In: 2012.062+/-634.914 χ^2/NDF: 10.3/21

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2325.456+/-614.121 χ^2/NDF: 20.0/25

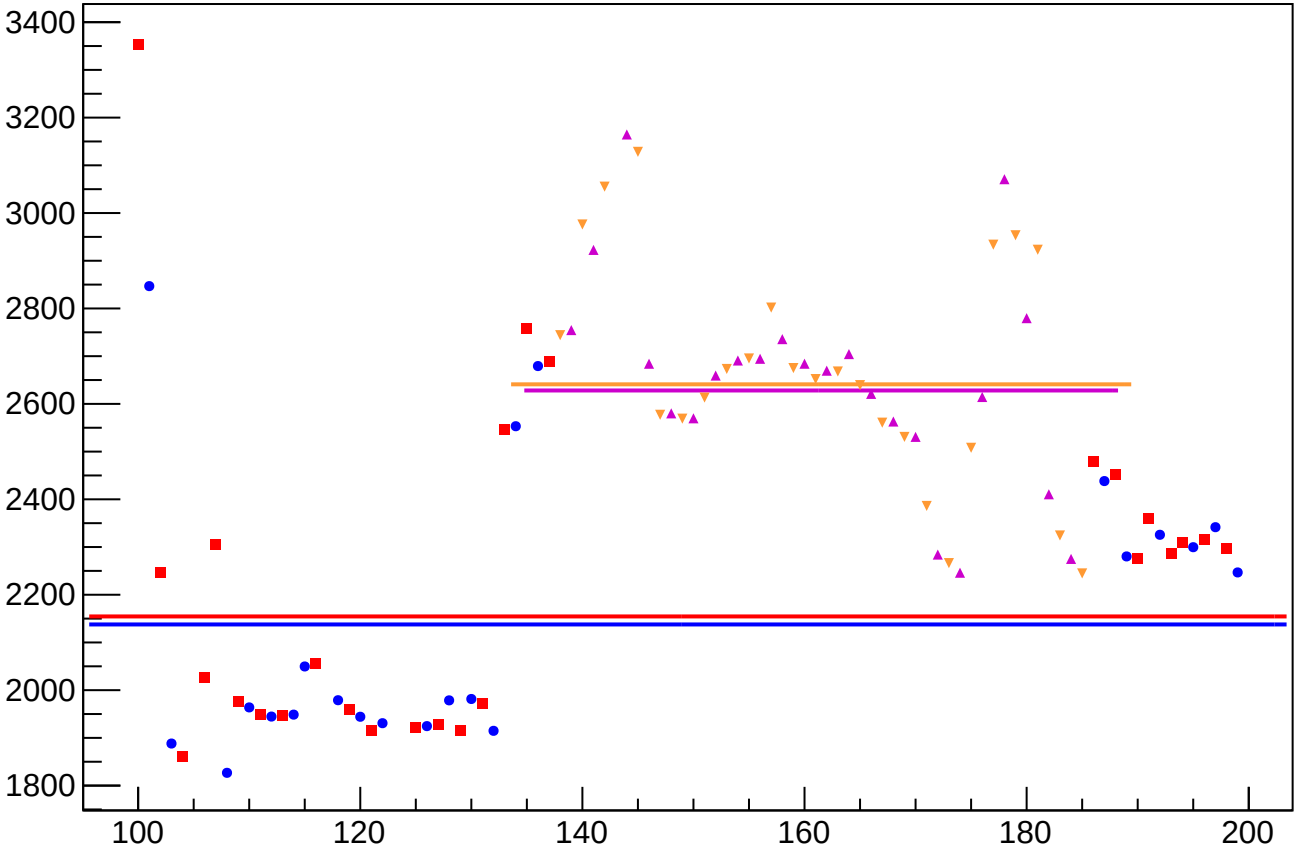
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1048.610+/-442.014 χ^2/NDF: 60.6/45

All: -772.054+/-310.025 χ^2/NDF: 129.7/94

- sign -2535.035+/-434.955 χ^2/NDF: 35.7/48

dit_asym_atl2_rms vs Slug



Right In: 2137.736+/-0.449 χ^2/NDF: 340588.0/21

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2154.536+/-0.434 χ^2/NDF: 311559.5/25

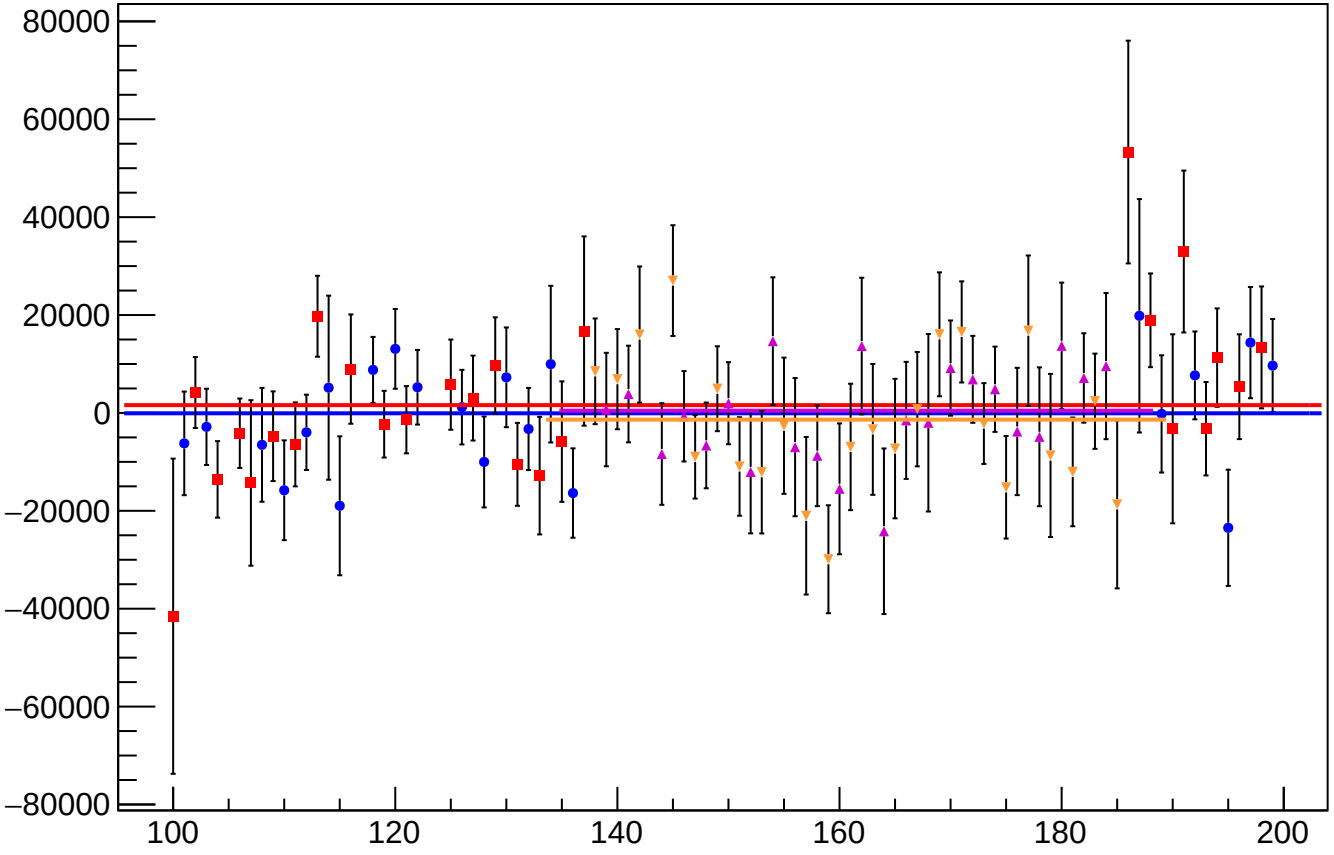
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2397.080+/-0.313 χ^2/NDF: 1241528.6/45

All: 2393.648+/-0.219 χ^2/NDF: 2384130.5/94

- sign 2390.327+/-0.307 χ^2/NDF: 1142364.6/48

asym_atl2_dit_correction_mean vs Slug



Right In: -75.123+/-2054.396 χ^2/NDF: 23.5/21

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 1591.268+/-1919.591 χ^2/NDF: 34.0/25

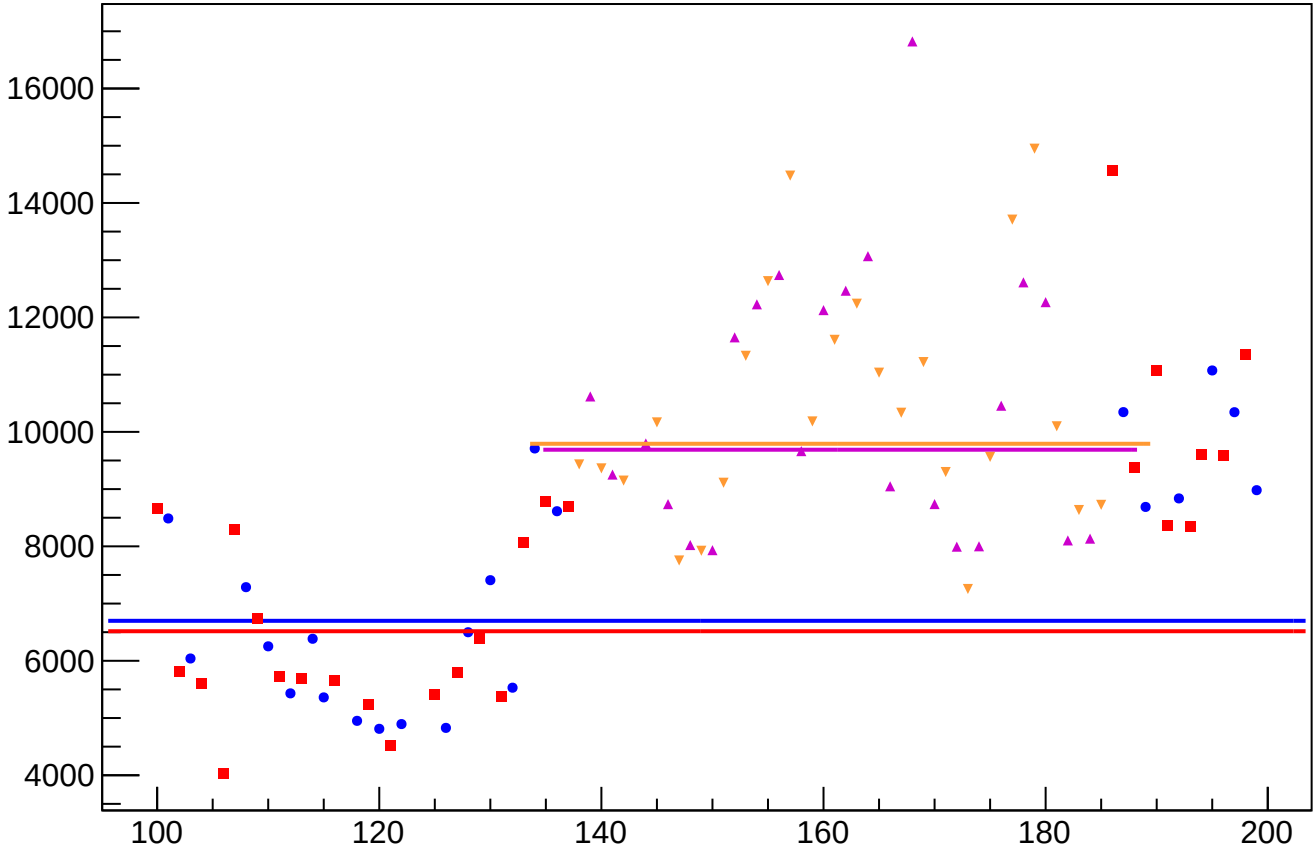
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -641.117+/-1539.877 χ^2/NDF: 54.9/45

All: 281.939+/-1066.134 χ^2/NDF: 102.9/94

- sign 1131.769+/-1477.536 χ^2/NDF: 47.3/48

asym_atl2_dit_correction_rms vs Slug



Right In: 6698.659+/-1.453 χ^2/NDF: 1643390.3/21

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6516.621+/-1.357 χ^2/NDF: 2110726.1/25

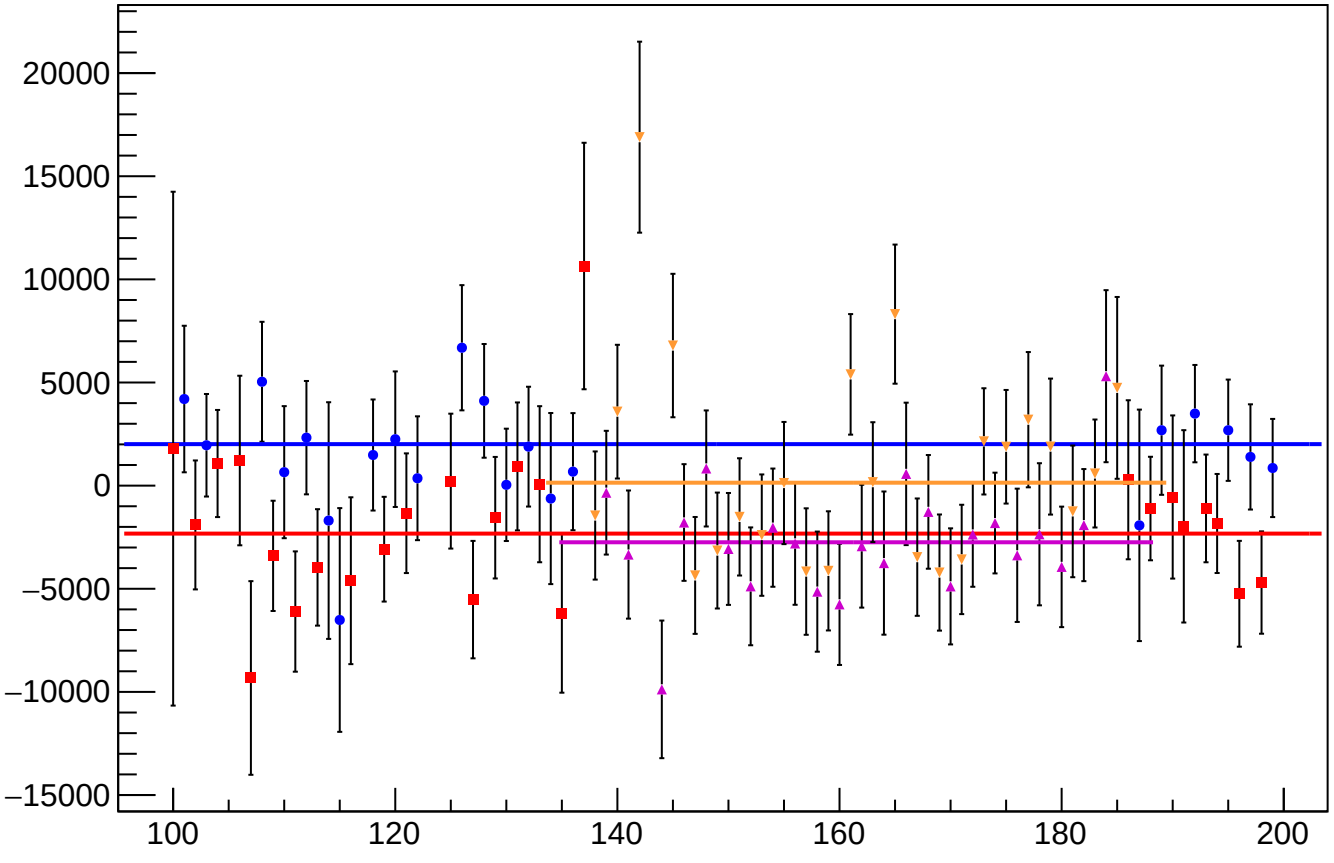
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8054.176+/-1.089 χ^2/NDF: 4849588.2/45

All: 7926.607+/-0.754 χ^2/NDF: 10589841.9/9

- sign 7809.158+/-1.045 χ^2/NDF: 5713890.2/48

eigen_dit_asym_atl2_mean vs Slug



Right In: 2012.060+/-634.914 χ^2/NDF: 10.3/21

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2325.457+/-614.121 χ^2/NDF: 20.0/25

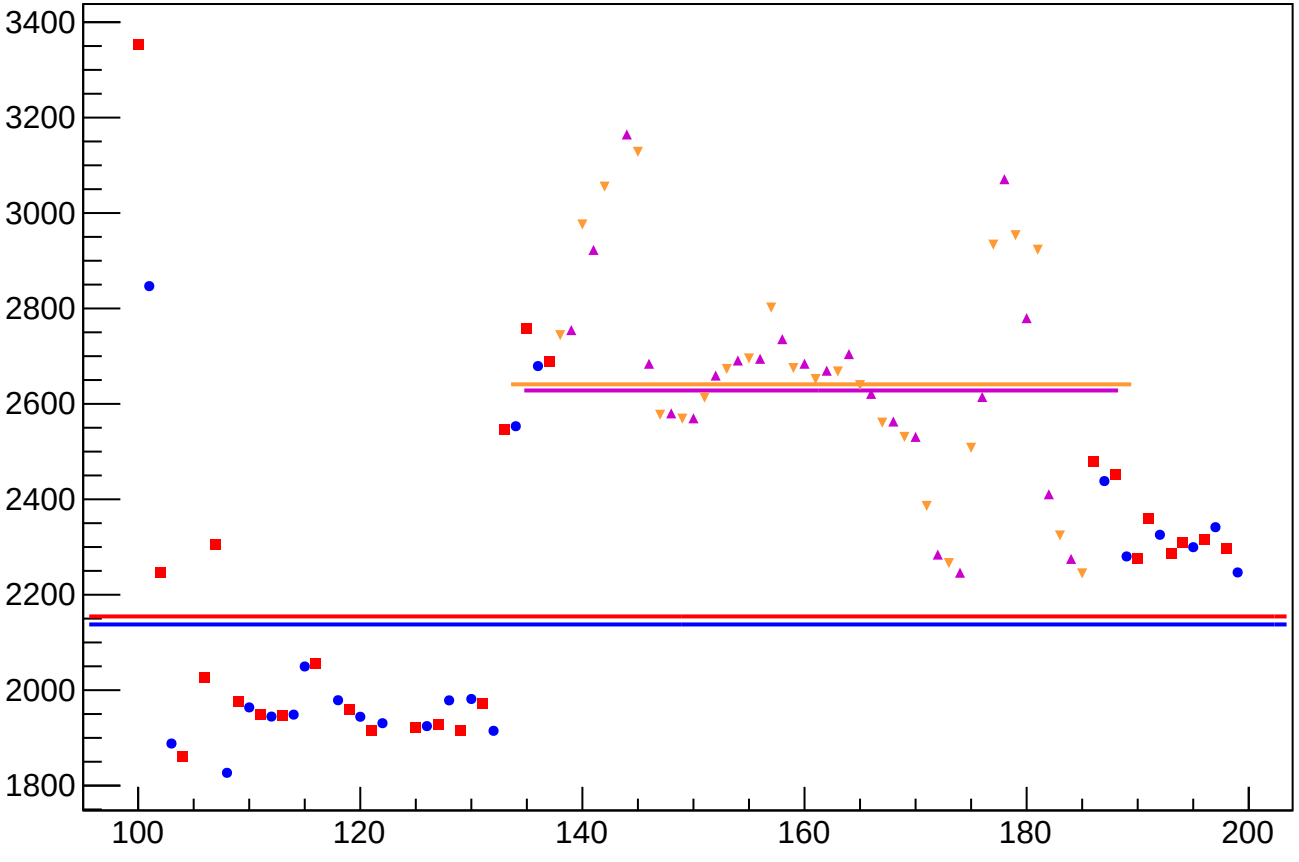
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1048.605+/-442.014 χ^2/NDF: 60.6/45

All: -772.056+/-310.025 χ^2/NDF: 129.7/94

- sign -2535.034+/-434.955 χ^2/NDF: 35.7/48

eigen_dit_asym_atl2_rms vs Slug



Right In: 2137.736+/-0.449 χ^2/NDF: 340588.1/21

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2154.536+/-0.434 χ^2/NDF: 311560.0/25

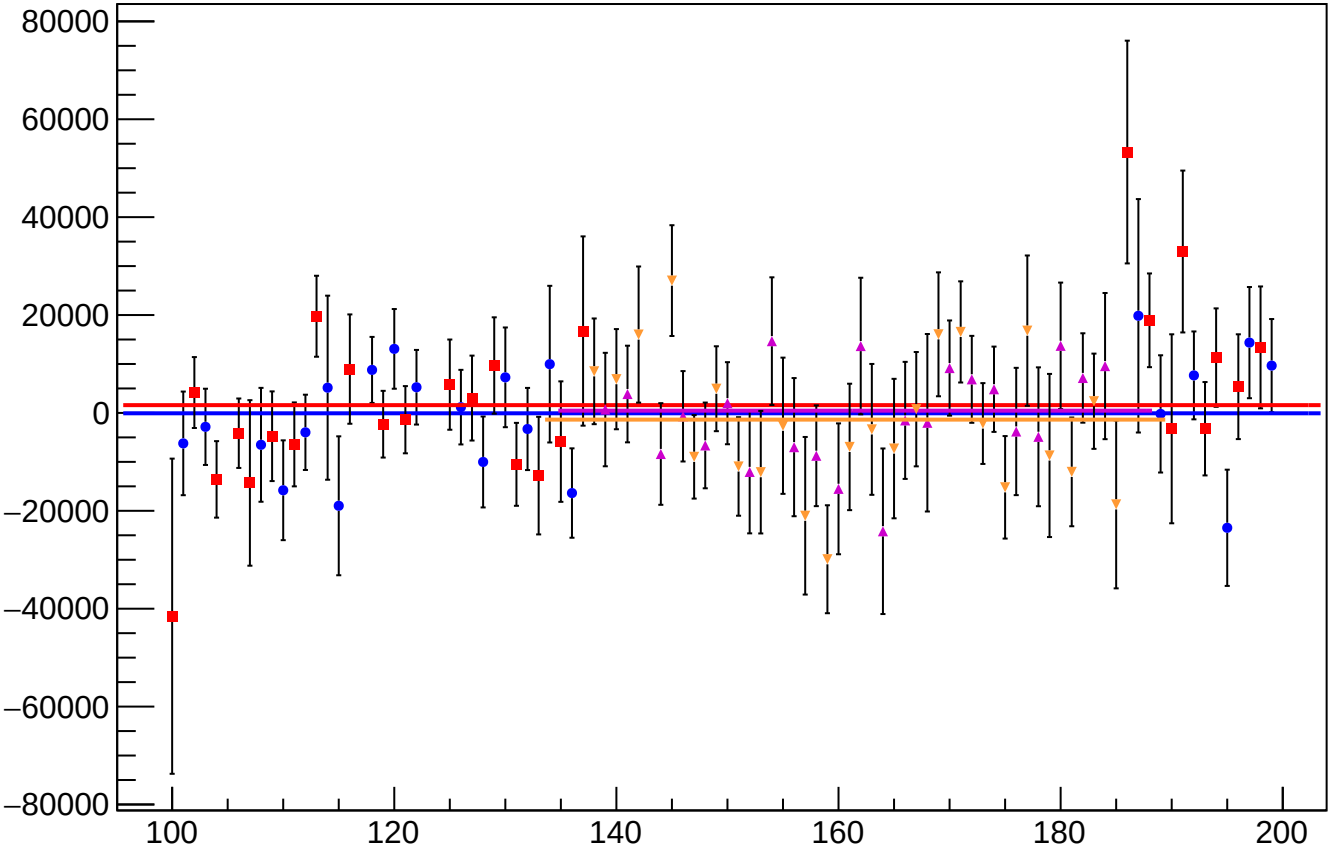
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2397.081+/-0.313 χ^2/NDF: 1241542.9/45

All: 2393.649+/-0.219 χ^2/NDF: 2384159.4/94

- sign 2390.328+/-0.307 χ^2/NDF: 1142379.1/48

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -75.116+/-2054.392 χ^2/NDF: 23.5/21

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 1591.255+/-1919.587 χ^2/NDF: 34.0/25

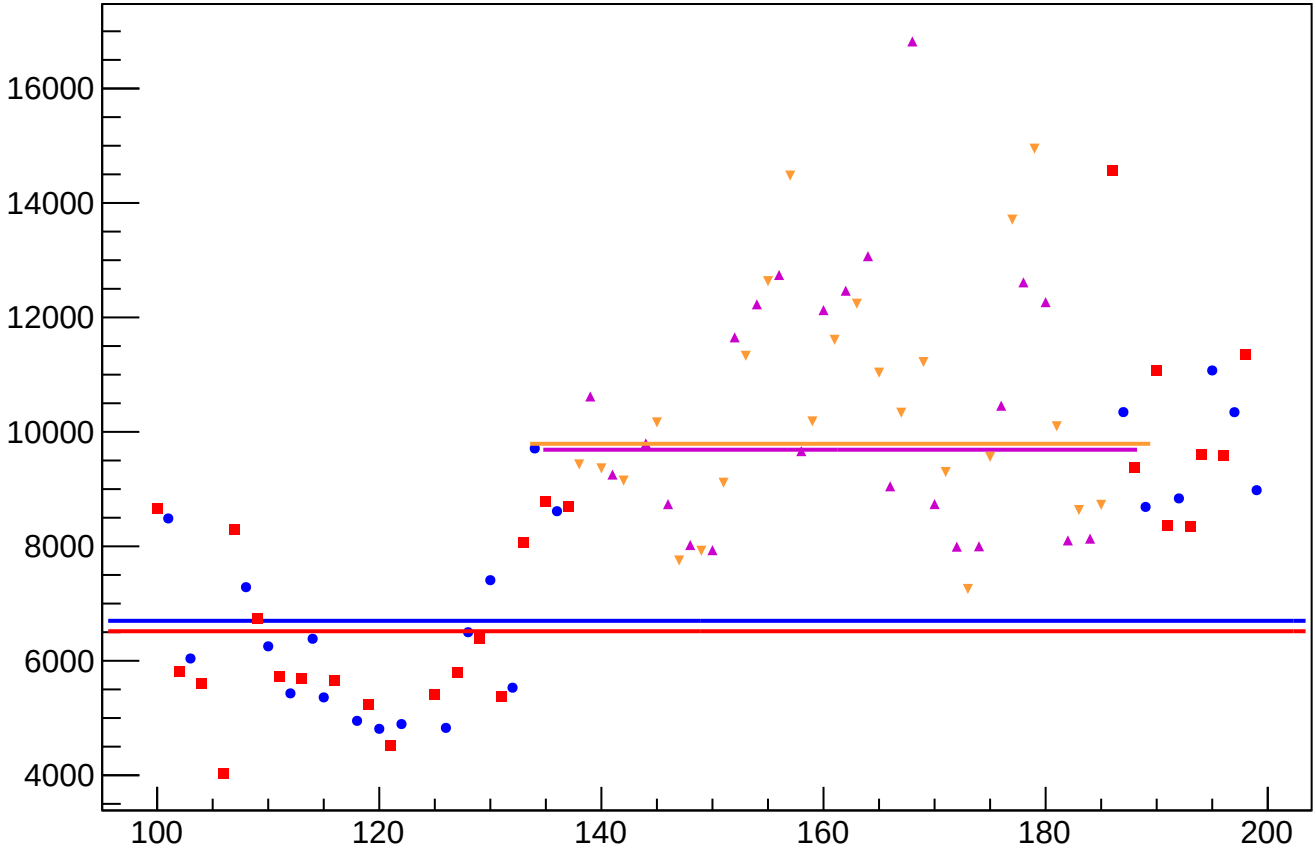
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

\+ sign -641.115+/-1539.876 χ^2/NDF: 54.9/45

All: 281.937+/-1066.133 χ^2/NDF: 102.9/94

\- sign 1131.765+/-1477.536 χ^2/NDF: 47.3/48

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6698.640+/-1.453 χ^2/NDF: 1643415.9/21

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6516.605+/-1.357 χ^2/NDF: 2110748.5/25

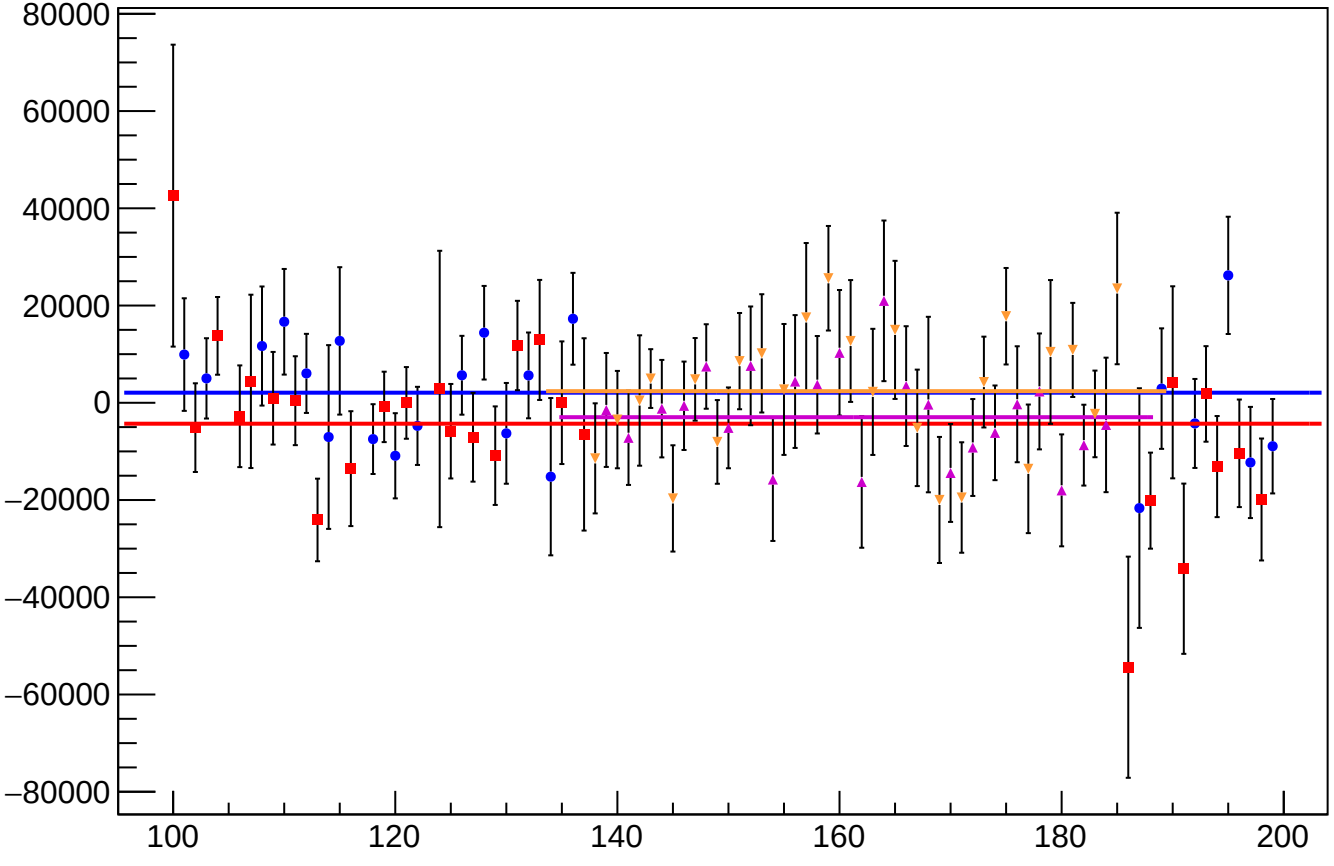
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8054.167+/-1.089 χ^2/NDF: 4849659.0/45

All: 7926.598+/-0.754 χ^2/NDF: 10589980.0/9

- sign 7809.149+/-1.045 χ^2/NDF: 5713957.5/48

asym_atl2_mean vs Slug



Right In: 2075.845+/-2152.287 χ^2/NDF: 23.3/21

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -4303.684+/-2060.979 χ^2/NDF: 34.0/26

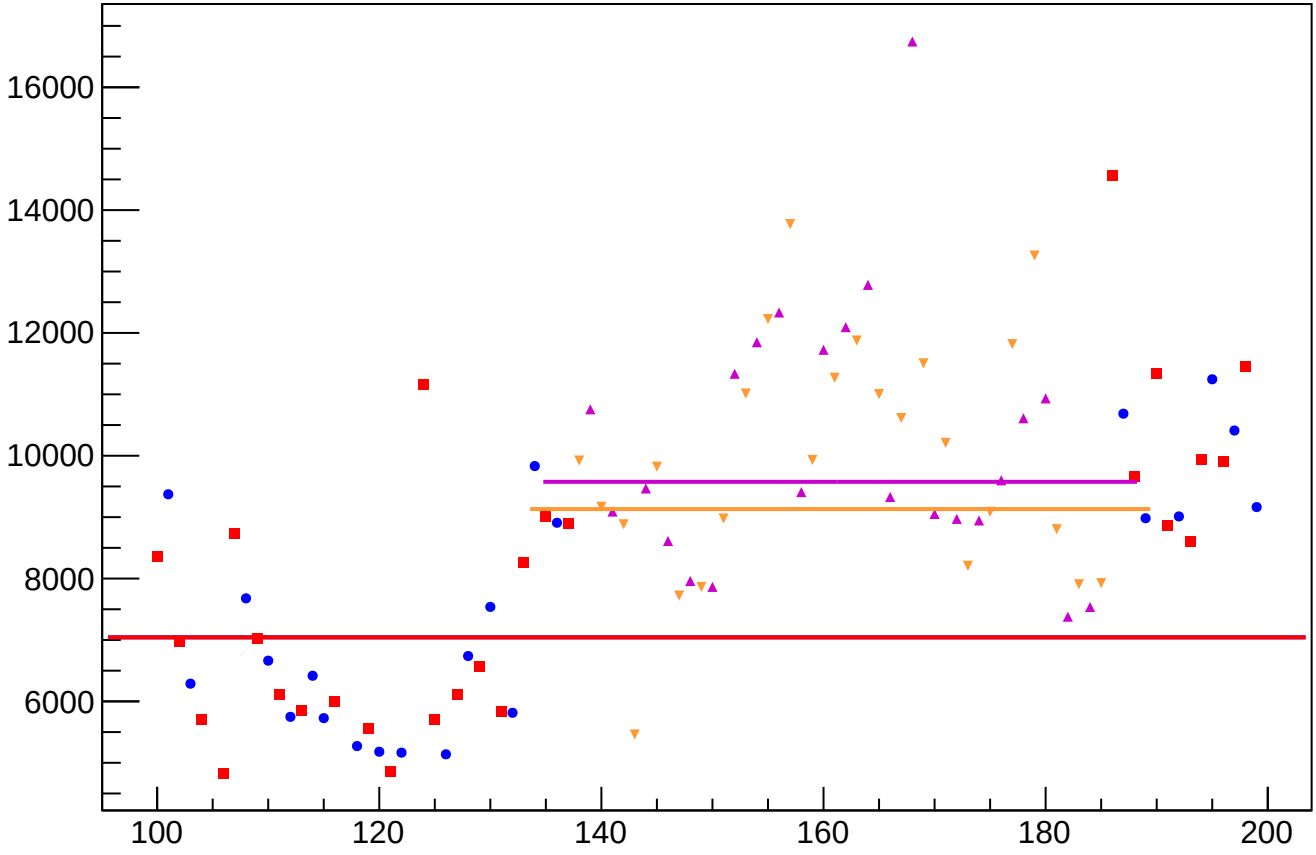
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2232.997+/-1516.295 χ^2/NDF: 53.1/46

All: -709.908+/-1076.504 χ^2/NDF: 107.9/96

- sign -3700.743+/-1528.593 χ^2/NDF: 47.2/49

asym_atl2_rms vs Slug



Right In: 7042.776+/-1.522 χ^2/NDF: 1485081.8/21

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7042.329+/-1.457 χ^2/NDF: 1791543.7/26

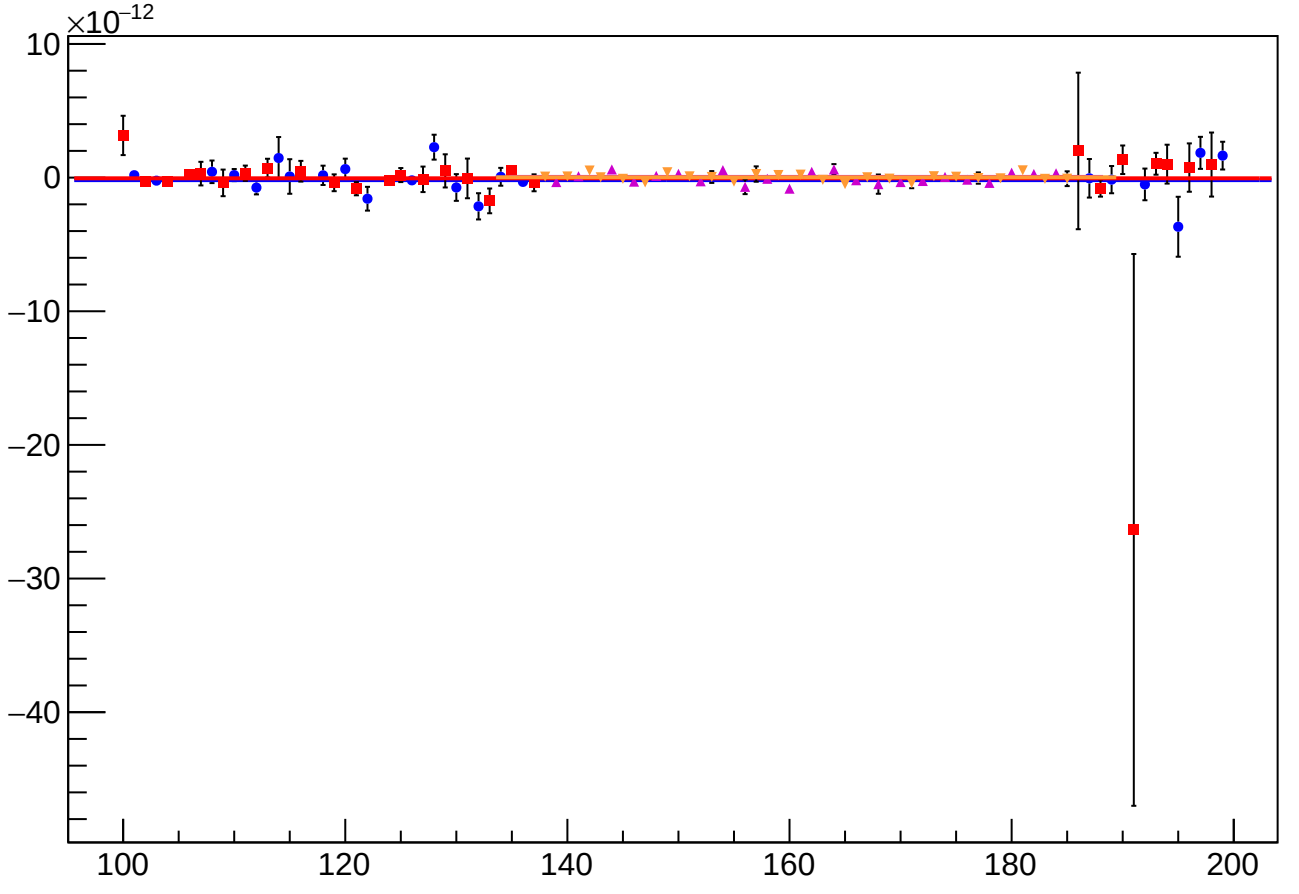
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8094.919+/-1.072 χ^2/NDF: 4245665.6/46

All: 8138.057+/-0.761 χ^2/NDF: 8553351.1/96

- 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: 29.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

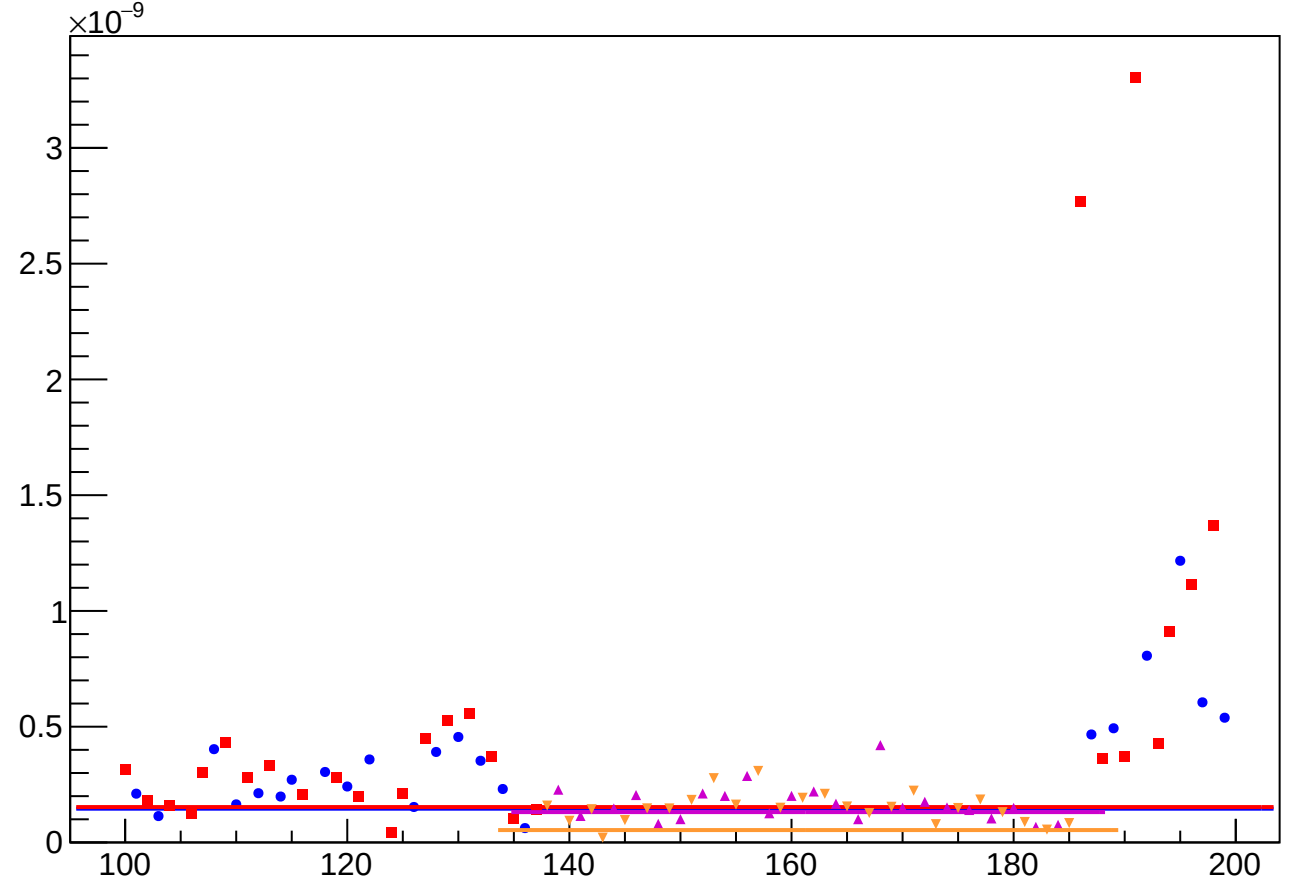
Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/26

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/46

All: 0.000+/-0.000 χ^2/NDF: 118.2/96

- sign 0.000+/-0.000 χ^2/NDF: 66.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 3770611.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4980014.1/26

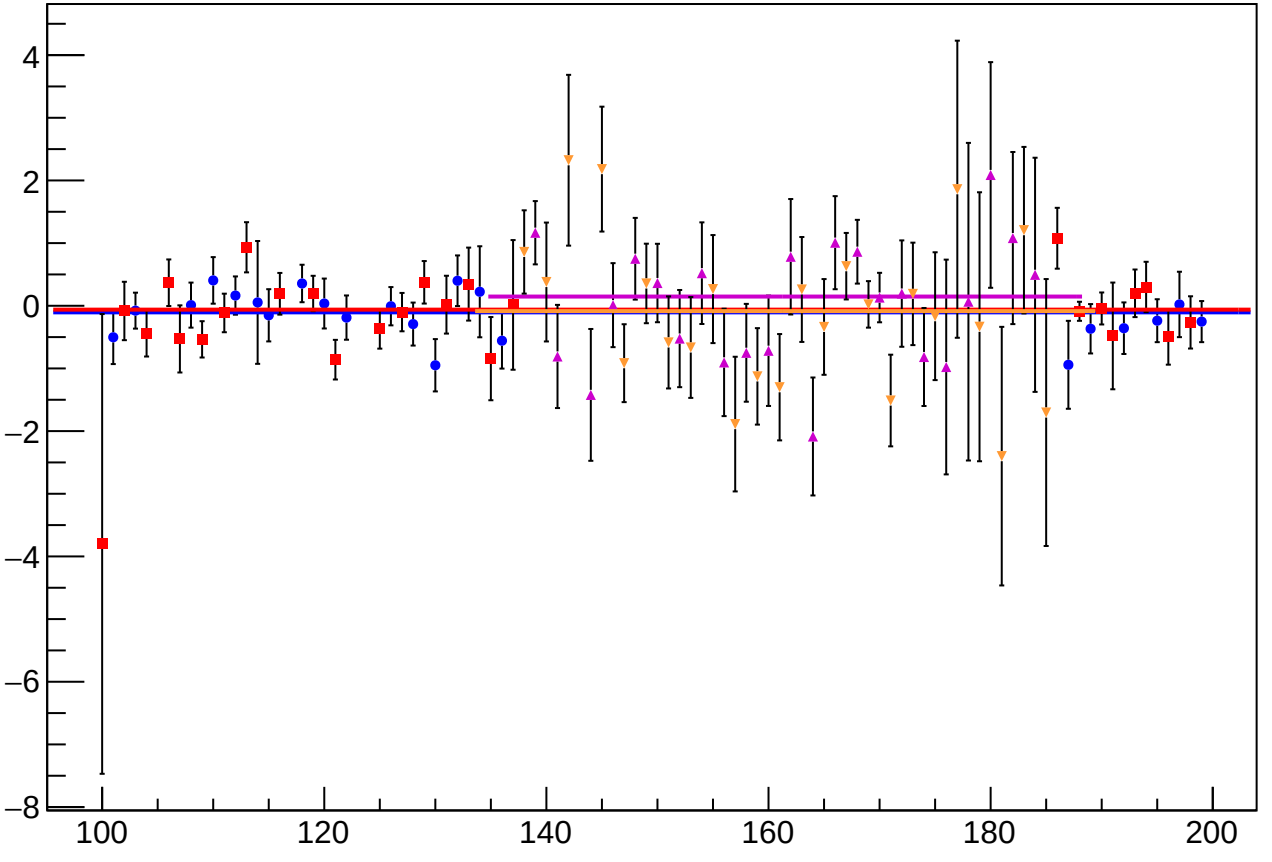
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12787126.9/46

All: 0.000+/-0.000 χ^2/NDF: 23448619.7/96

- sign 0.000+/-0.000 χ^2/NDF: 6965206.5/49

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.069 χ^2/NDF: 33.7/25

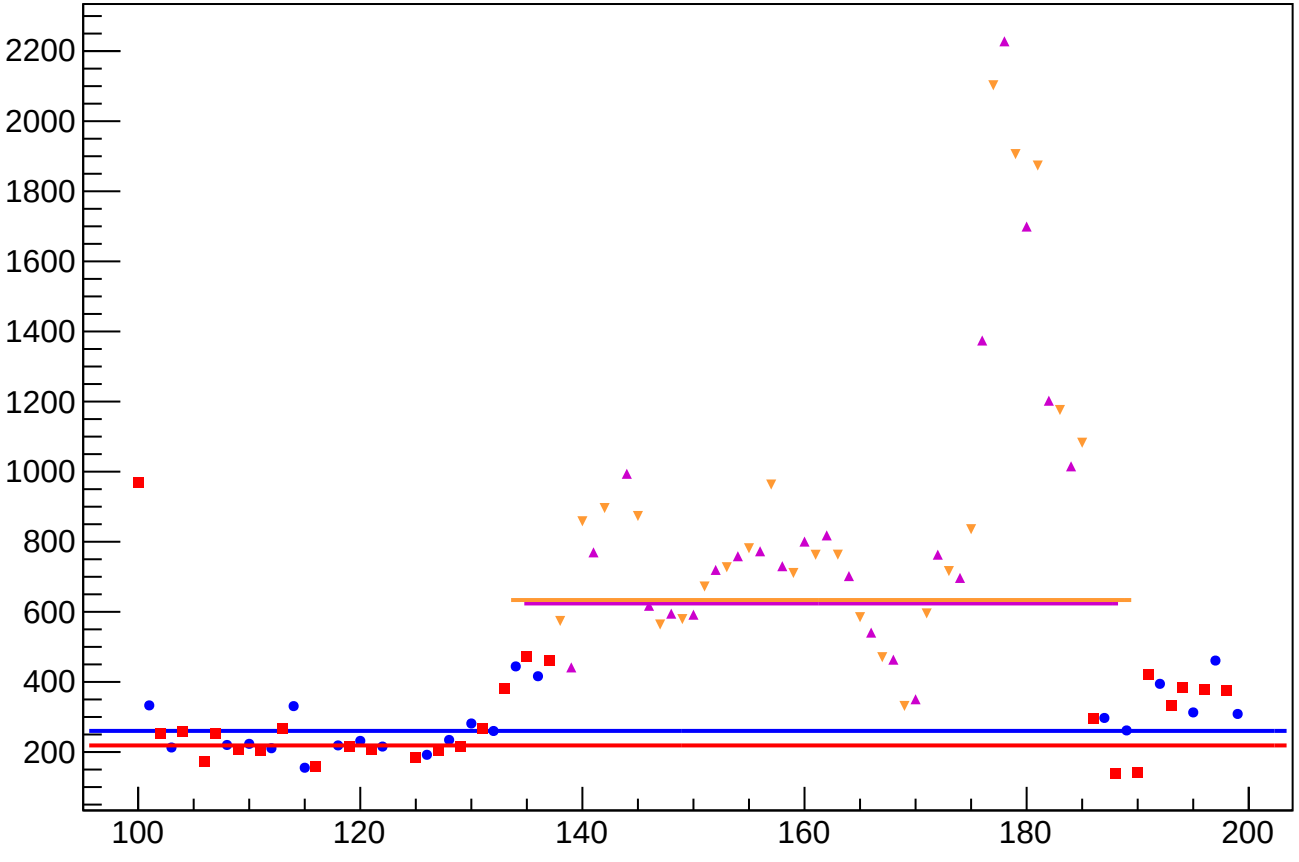
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.101+/-0.073 χ^2/NDF: 46.4/45

All: -0.059+/-0.048 χ^2/NDF: 108.6/94

- sign -0.028+/-0.063 χ^2/NDF: 61.6/48

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 260.274+/-0.058 χ^2/NDF: 1523566.4/21

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 218.792+/-0.049 χ^2/NDF: 2834753.5/25

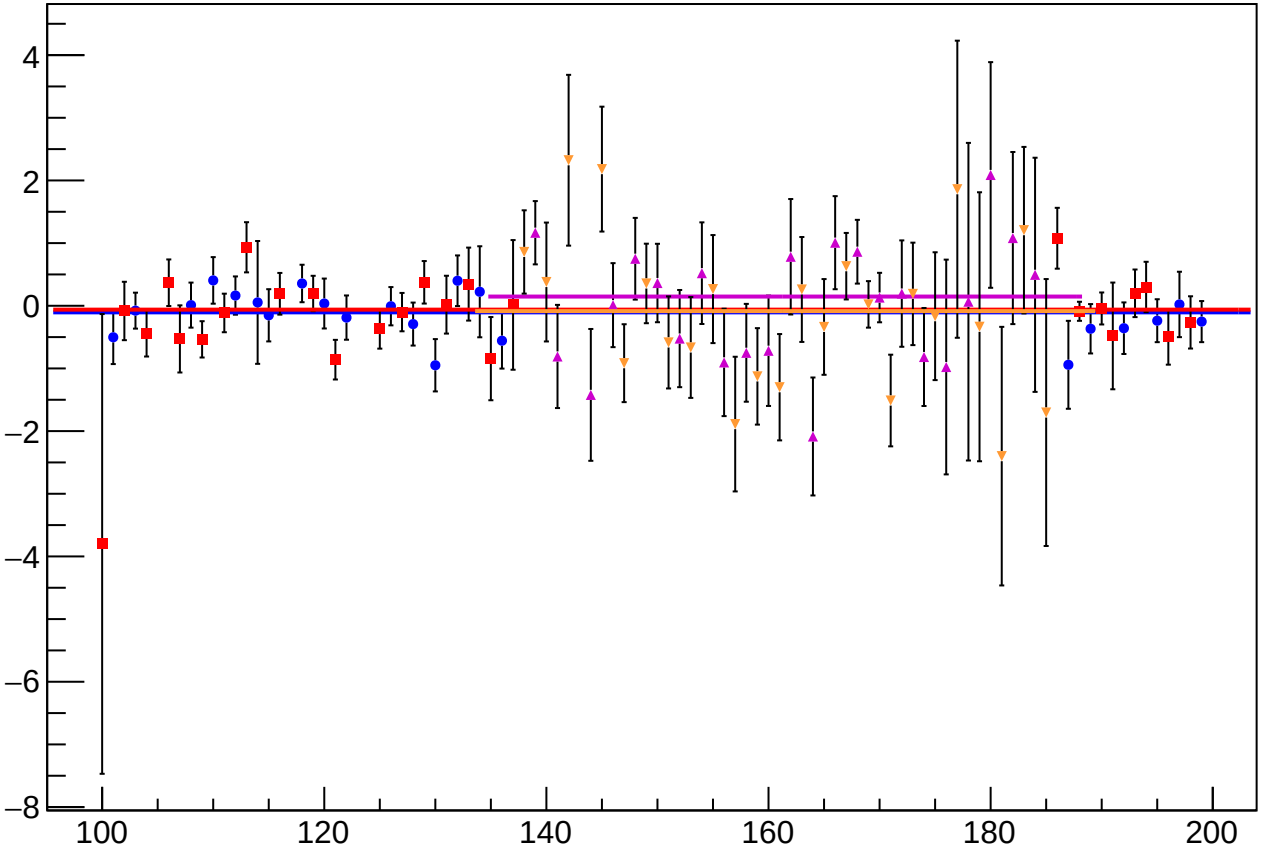
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.526+/-0.052 χ^2/NDF: 15032979.0/45

All: 305.964+/-0.034 χ^2/NDF: 34053501.7/94

- sign 283.134+/-0.045 χ^2/NDF: 18407268.1/48

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.069 χ^2/NDF: 33.7/25

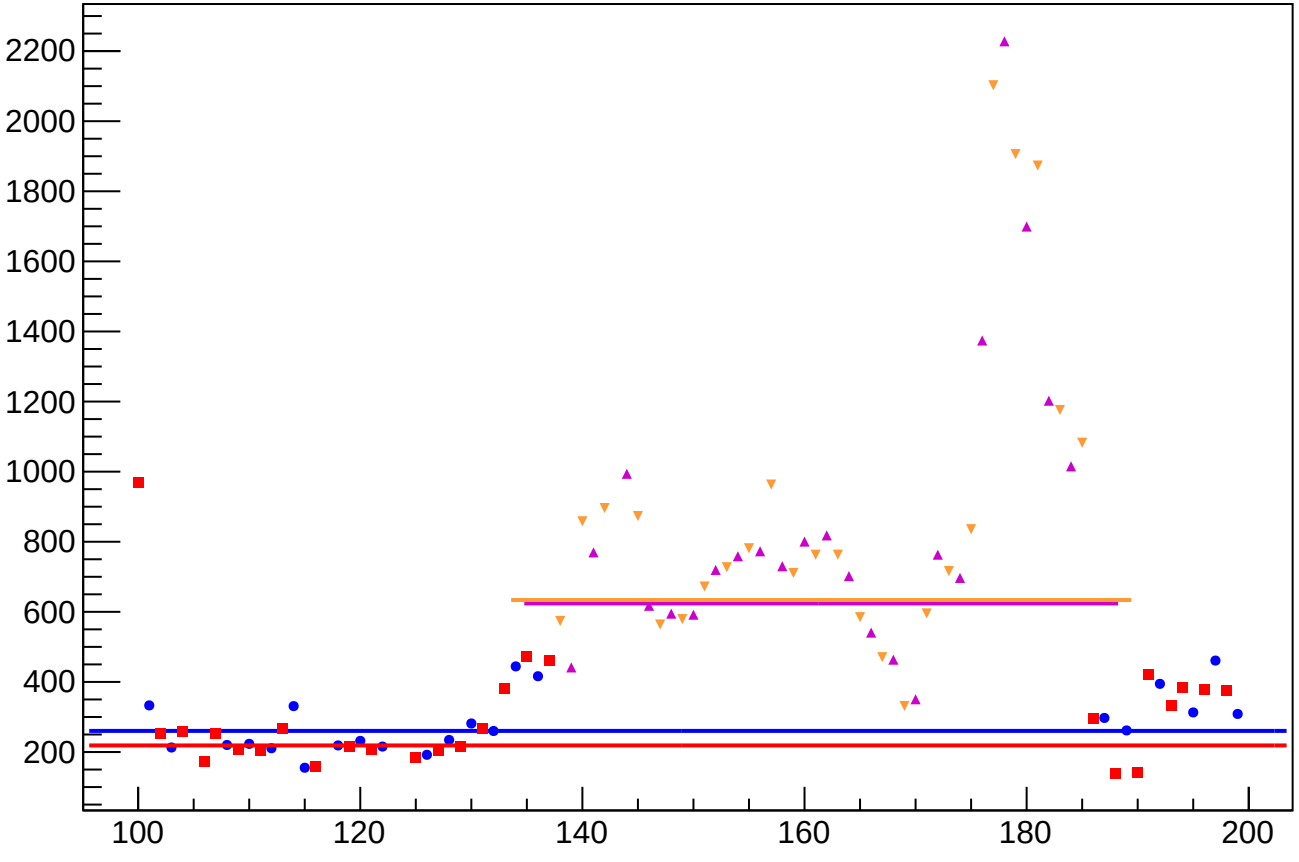
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.101+/-0.073 χ^2/NDF: 46.4/45

All: -0.059+/-0.048 χ^2/NDF: 108.6/94

- sign -0.028+/-0.063 χ^2/NDF: 61.6/48

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 260.274+/-0.058 χ^2/NDF: 1523566.4/21

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 218.792+/-0.049 χ^2/NDF: 2834753.5/25

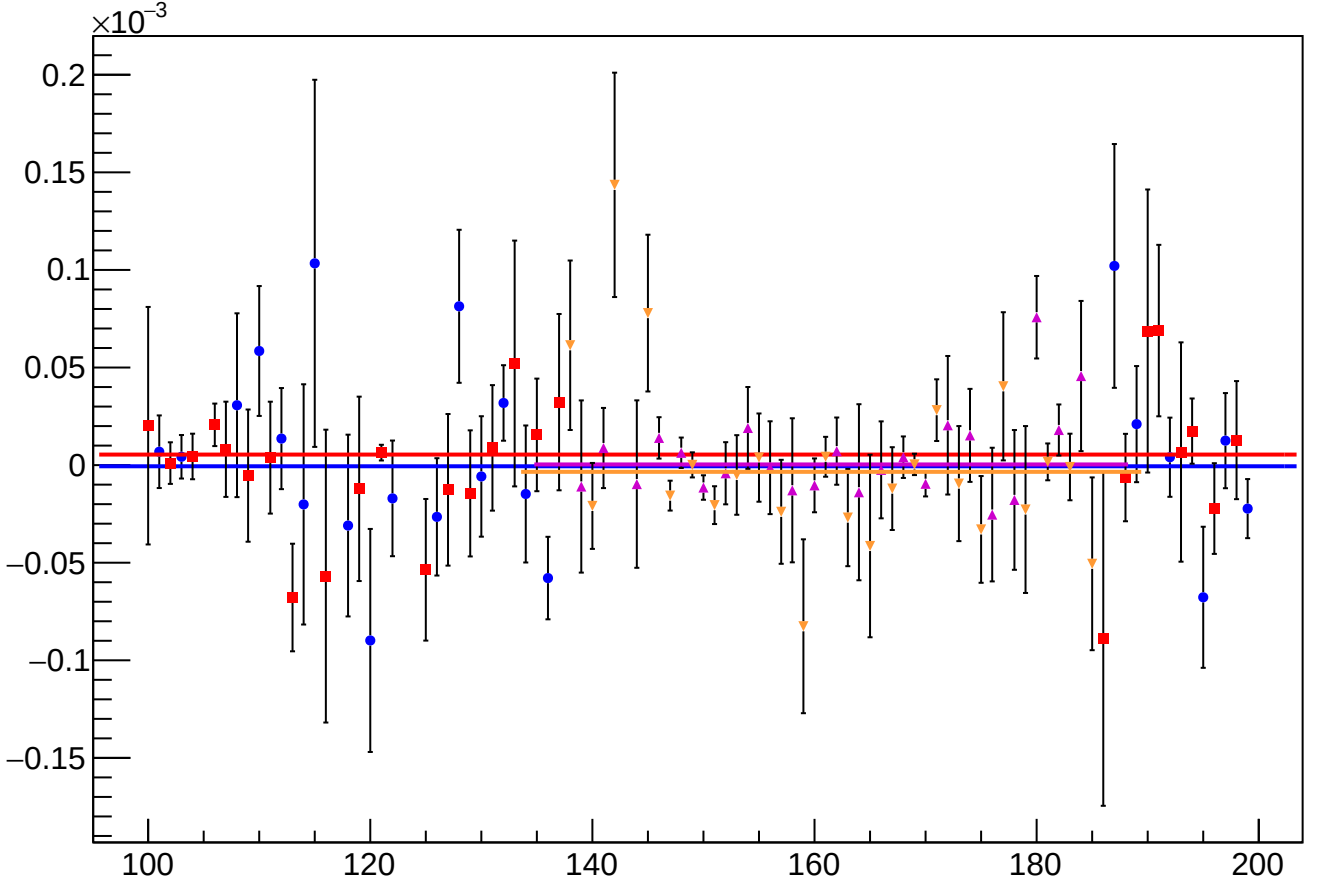
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.526+/-0.052 χ^2/NDF: 15032979.0/45

All: 305.964+/-0.034 χ^2/NDF: 34053501.7/94

- sign 283.134+/-0.045 χ^2/NDF: 18407268.1/48

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/25

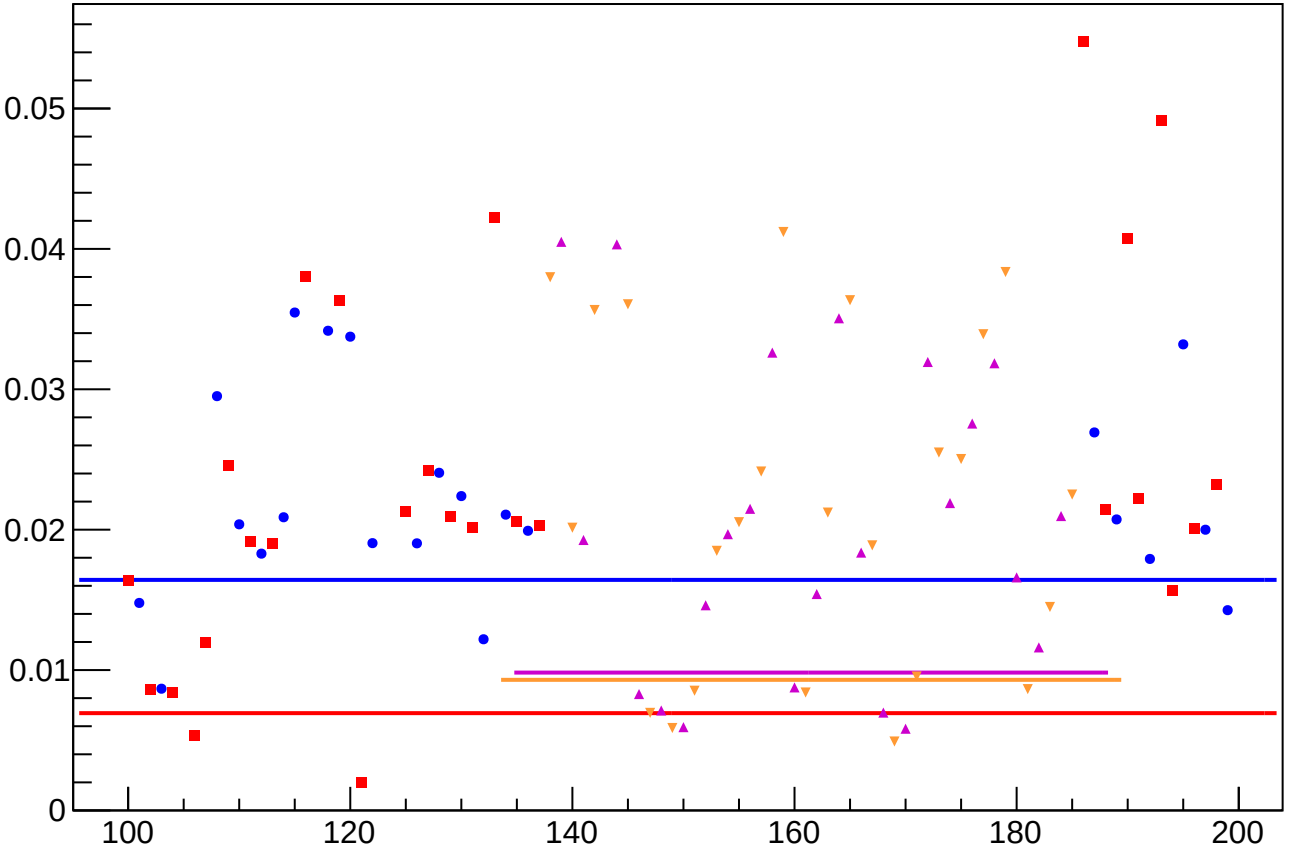
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.8/45

All: 0.000+/-0.000 χ^2/NDF: 121.0/94

- sign 0.000+/-0.000 χ^2/NDF: 50.2/48

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2733057.6/21

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 13369716.8/25

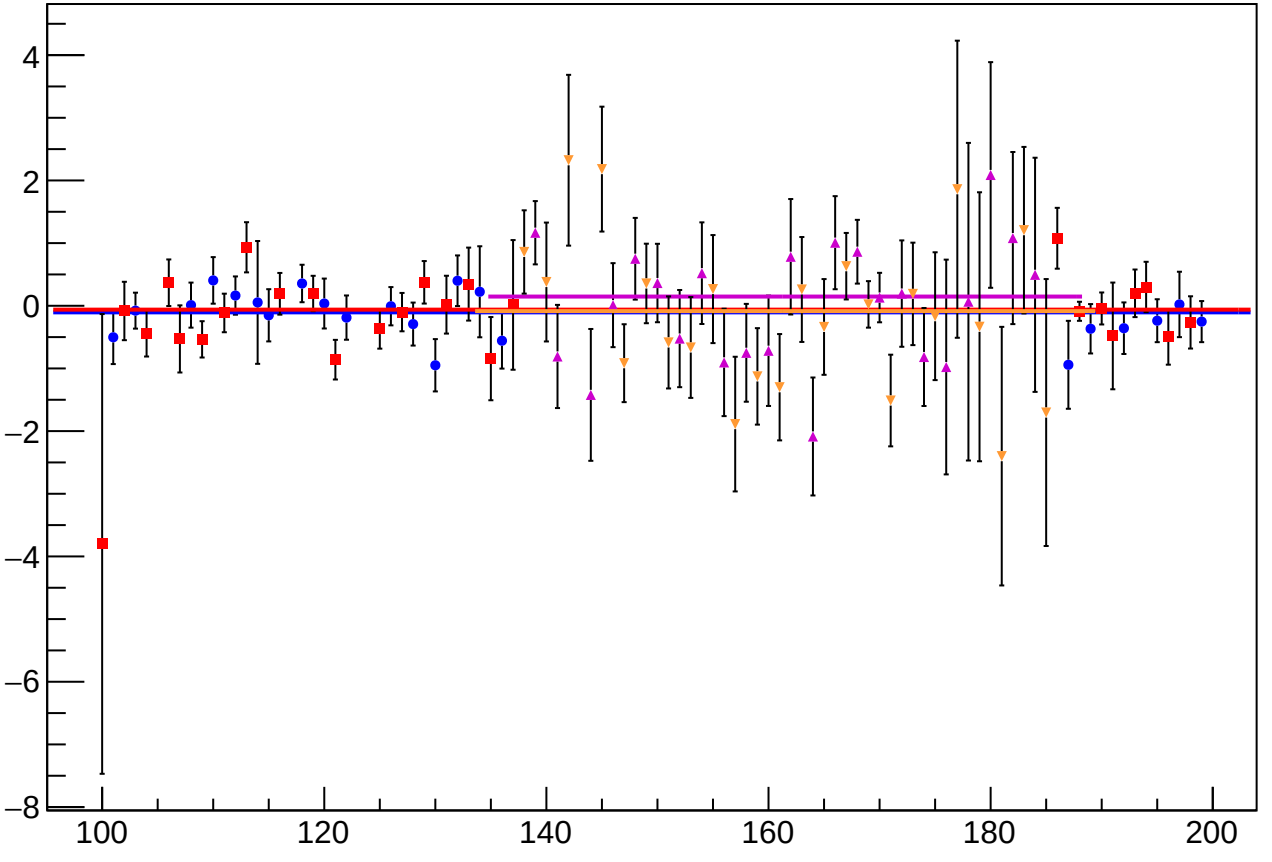
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 17775768.0/45

All: 0.009+/-0.000 χ^2/NDF: 43461617.2/94

- sign 0.008+/-0.000 χ^2/NDF: 24620525.2/48

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.069 χ^2/NDF: 33.7/25

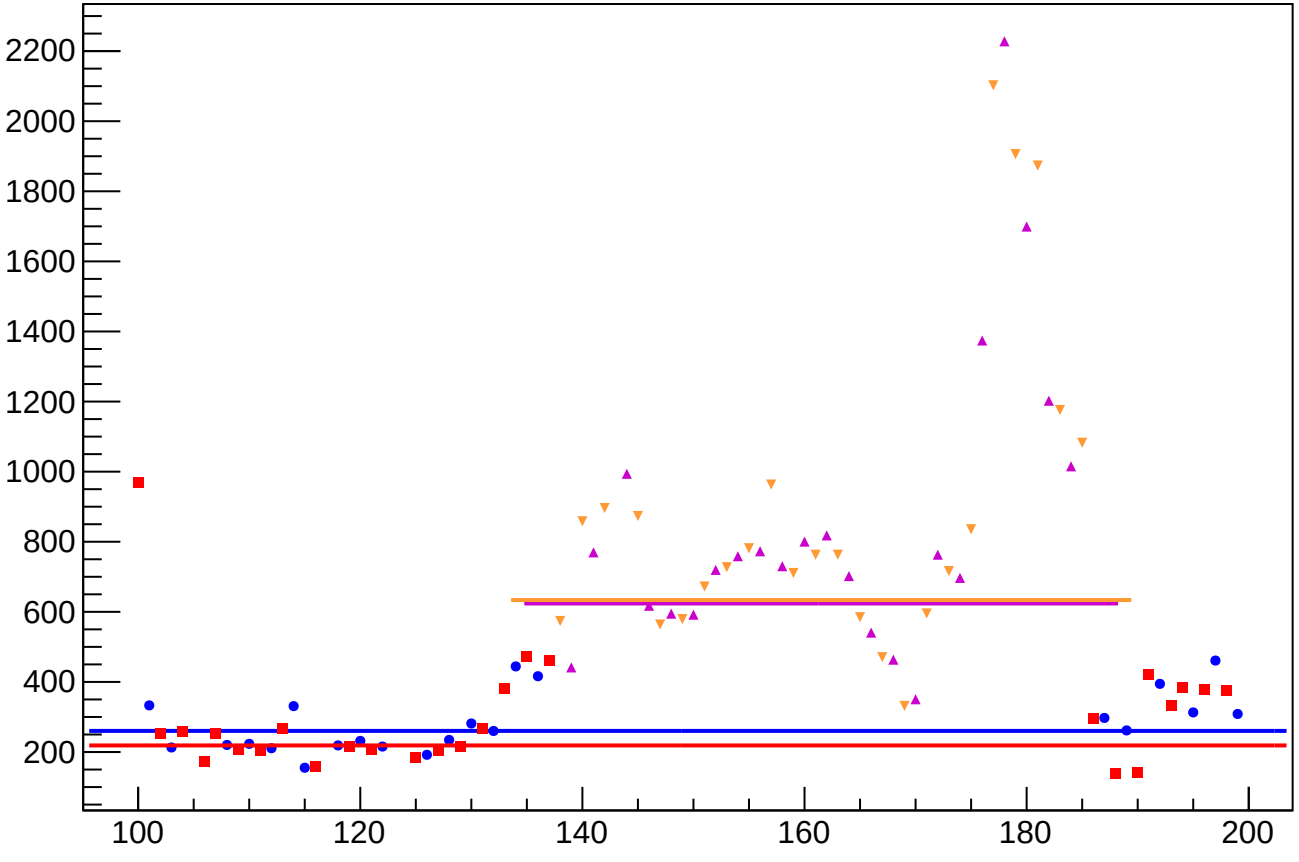
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.101+/-0.073 χ^2/NDF: 46.4/45

All: -0.059+/-0.048 χ^2/NDF: 108.6/94

- sign -0.028+/-0.063 χ^2/NDF: 61.6/48

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 260.275+/-0.058 χ^2/NDF: 1523526.8/21

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

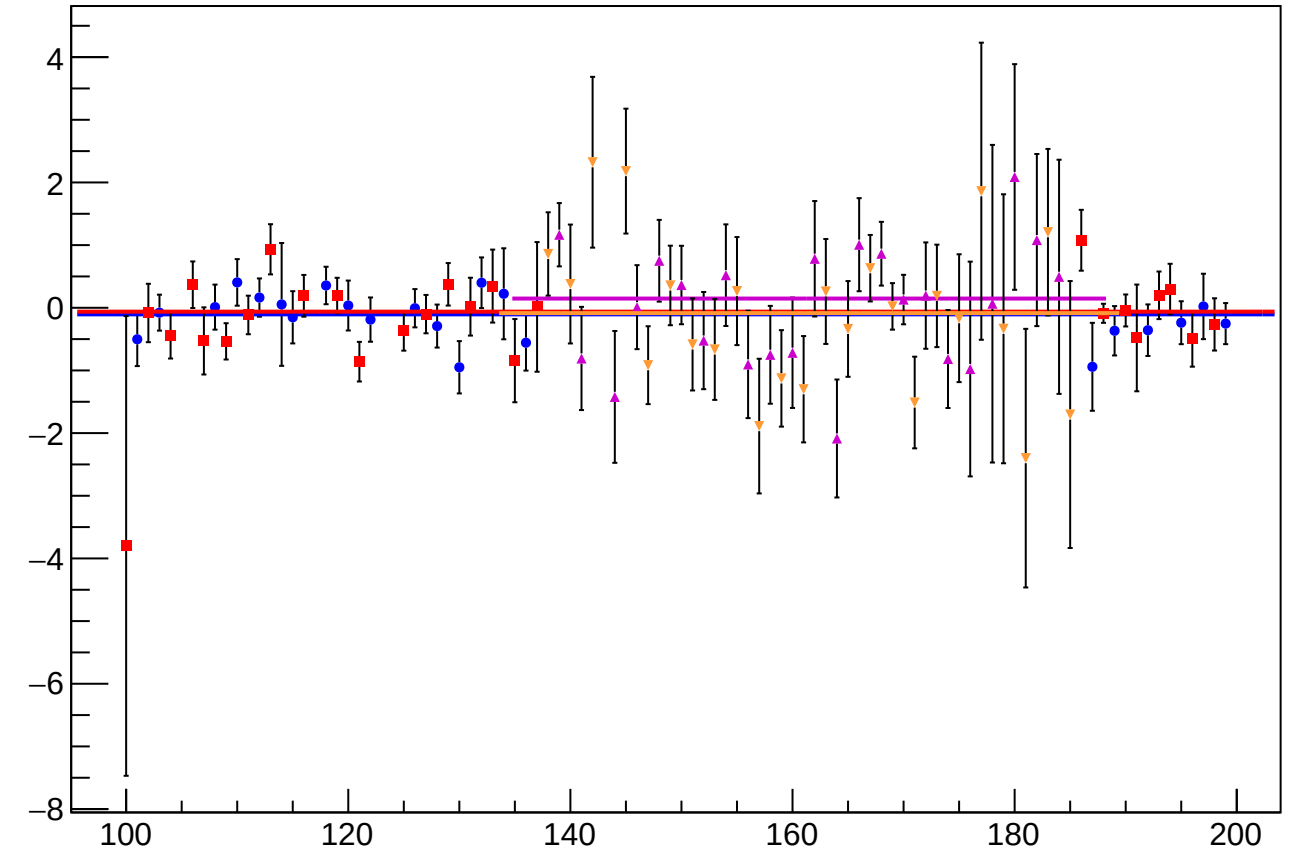
Right Out: 218.790+/-0.049 χ^2/NDF: 2834854.5/25

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.527+/-0.052 χ^2/NDF: 15033036.5/45

All: 305.962+/-0.034 χ^2/NDF: 34054053.9/94

- sign 283.131+/-0.045 χ^2/NDF: 18407671.9/48



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.069 χ^2/NDF: 33.7/25

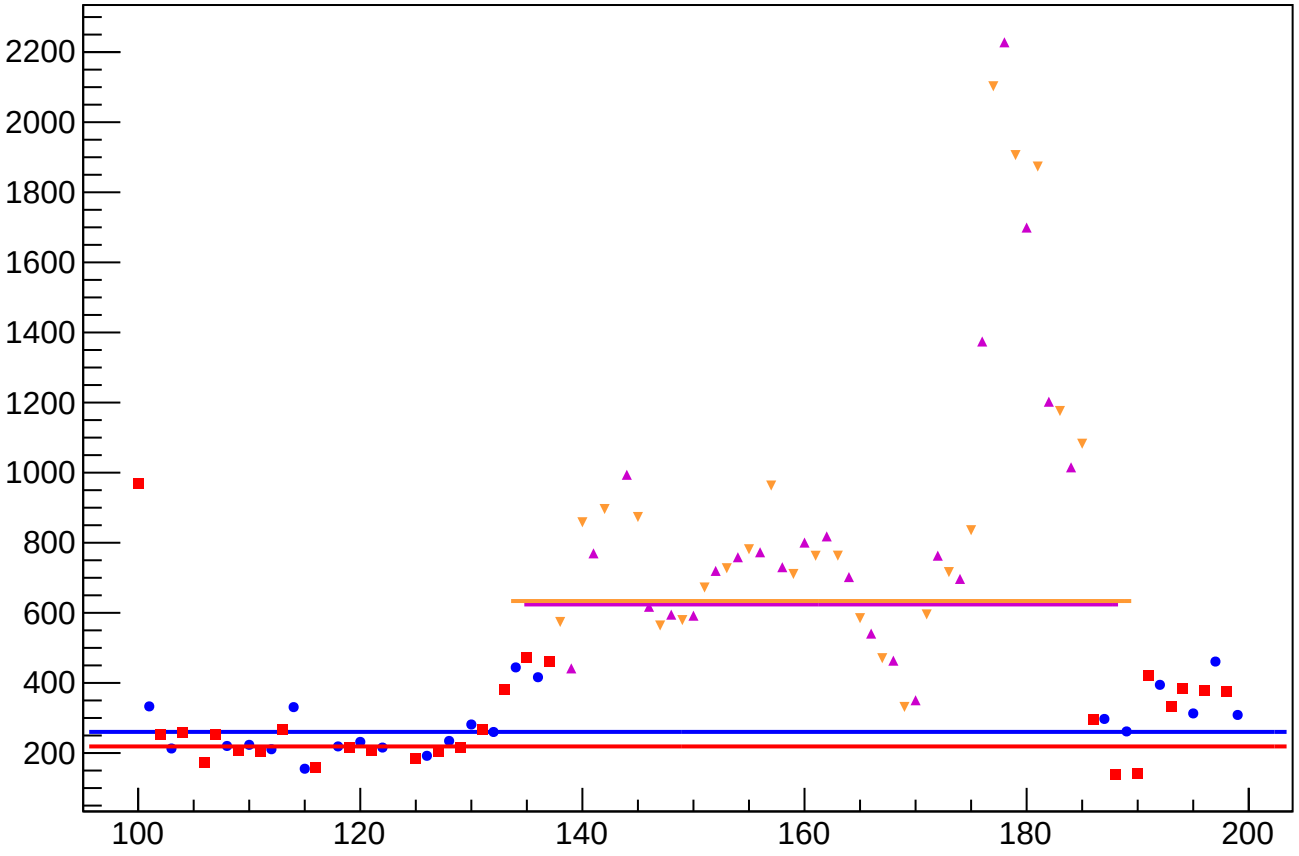
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.101+/-0.073 χ^2/NDF: 46.4/45

All: -0.059+/-0.048 χ^2/NDF: 108.6/94

- sign -0.028+/-0.063 χ^2/NDF: 61.6/48

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 260.275+/-0.058 χ^2/NDF: 1523526.8/21

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 218.790+/-0.049 χ^2/NDF: 2834854.5/25

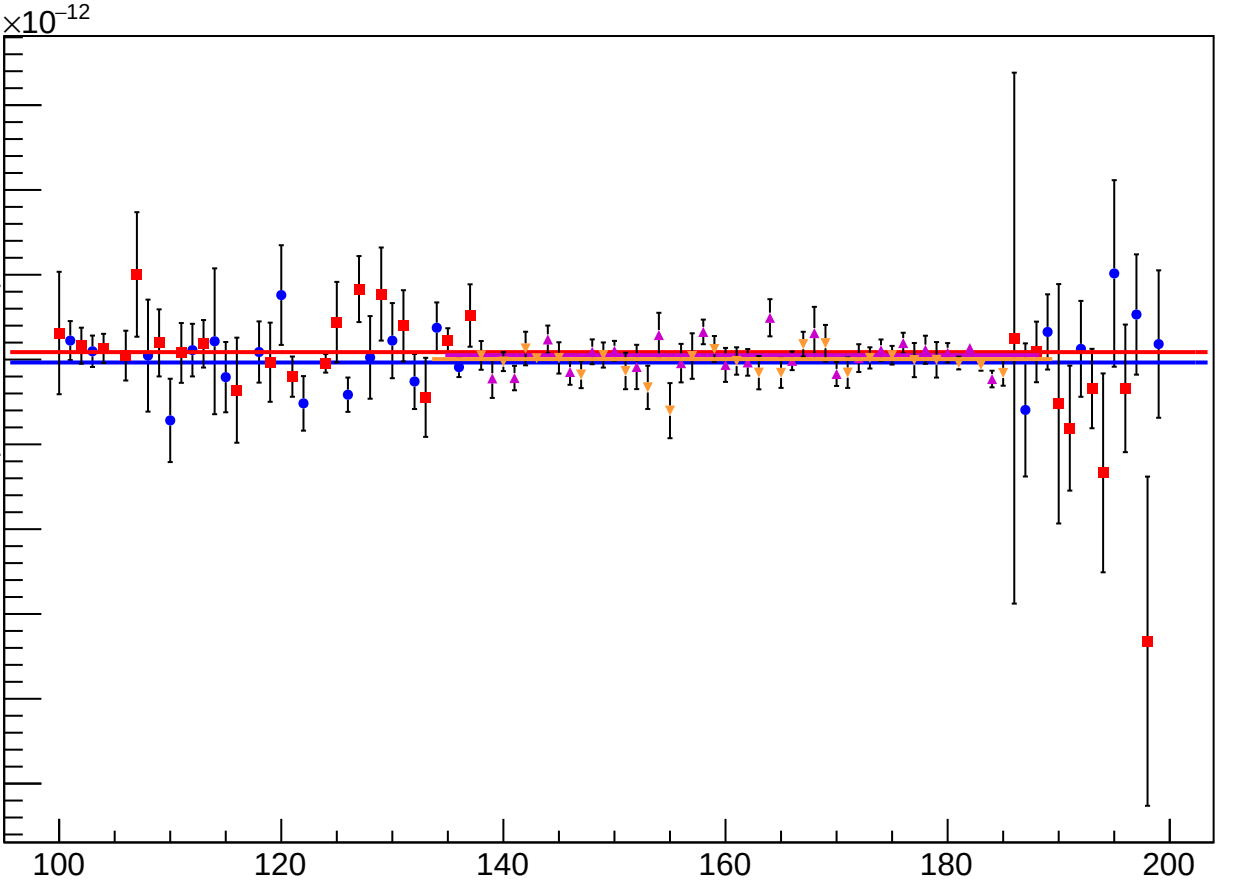
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.527+/-0.052 χ^2/NDF: 15033036.5/45

All: 305.962+/-0.034 χ^2/NDF: 34054053.9/94

- 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: 17.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

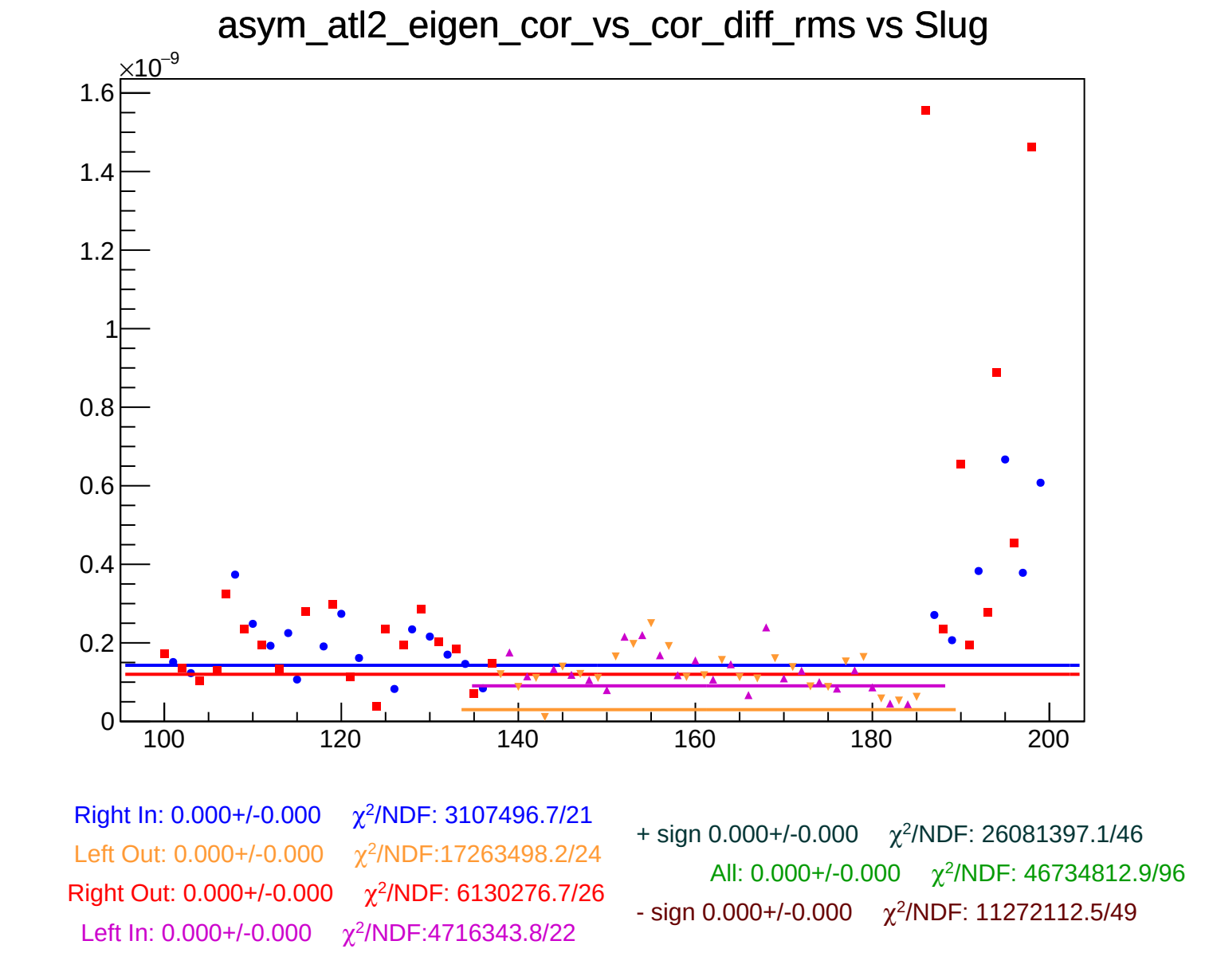
Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/26

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

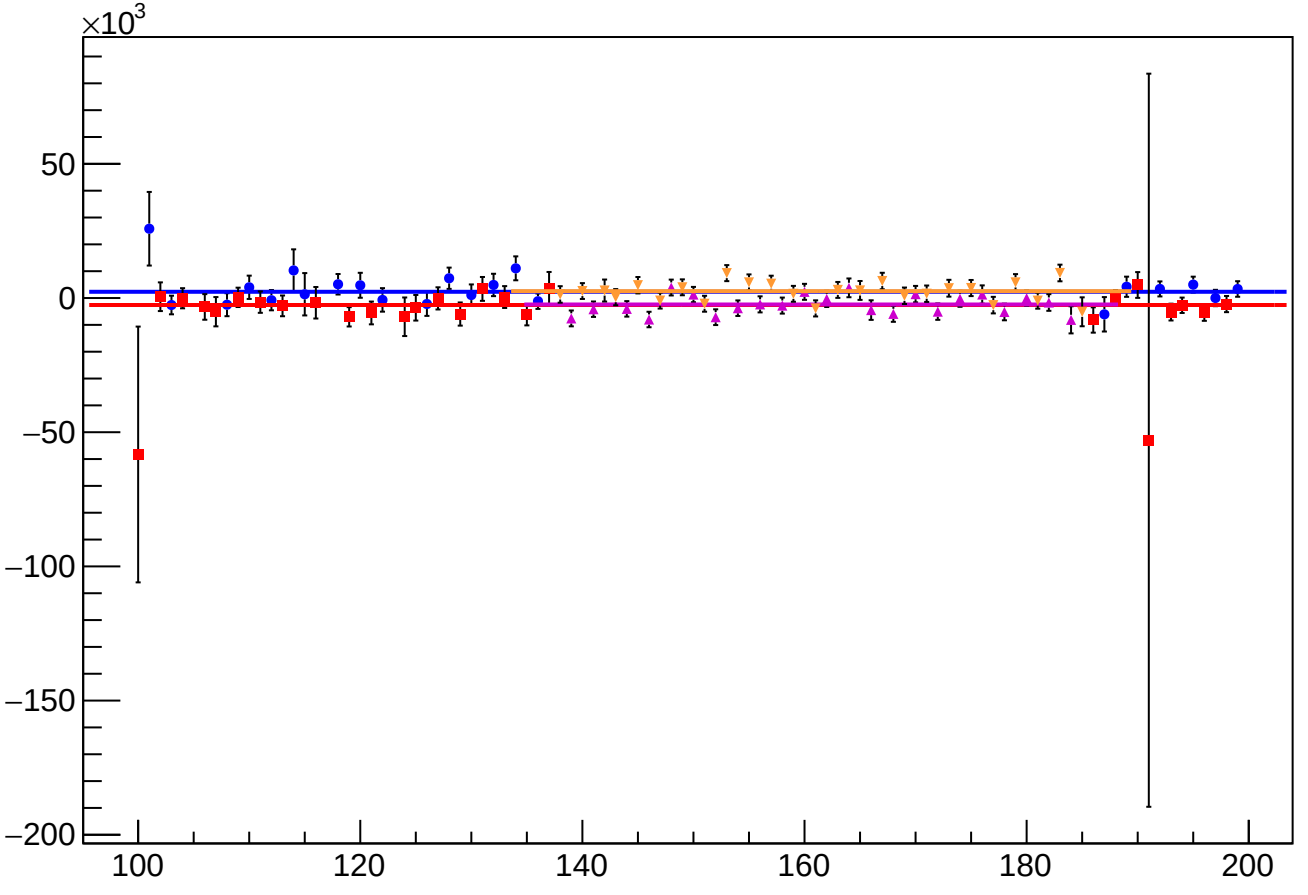
+ sign 0.000+/-0.000 χ^2/NDF: 33.9/46

All: 0.000+/-0.000 χ^2/NDF: 94.2/96

- sign 0.000+/-0.000 χ^2/NDF: 56.6/49


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3107496.7/21
Left Out: 0.000+/-0.000 χ²/NDF:17263498.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 6130276.7/26
Left In: 0.000+/-0.000 χ²/NDF:4716343.8/22
+ sign 0.000+/-0.000 χ²/NDF: 26081397.1/46
All: 0.000+/-0.000 χ²/NDF: 46734812.9/96
- sign 0.000+/-0.000 χ²/NDF: 11272112.5/49

reg_asym_atr1_mean vs Slug



Right In: 2327.950+/-834.541 χ^2/NDF: 21.5/21

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2597.917+/-796.574 χ^2/NDF: 17.1/26

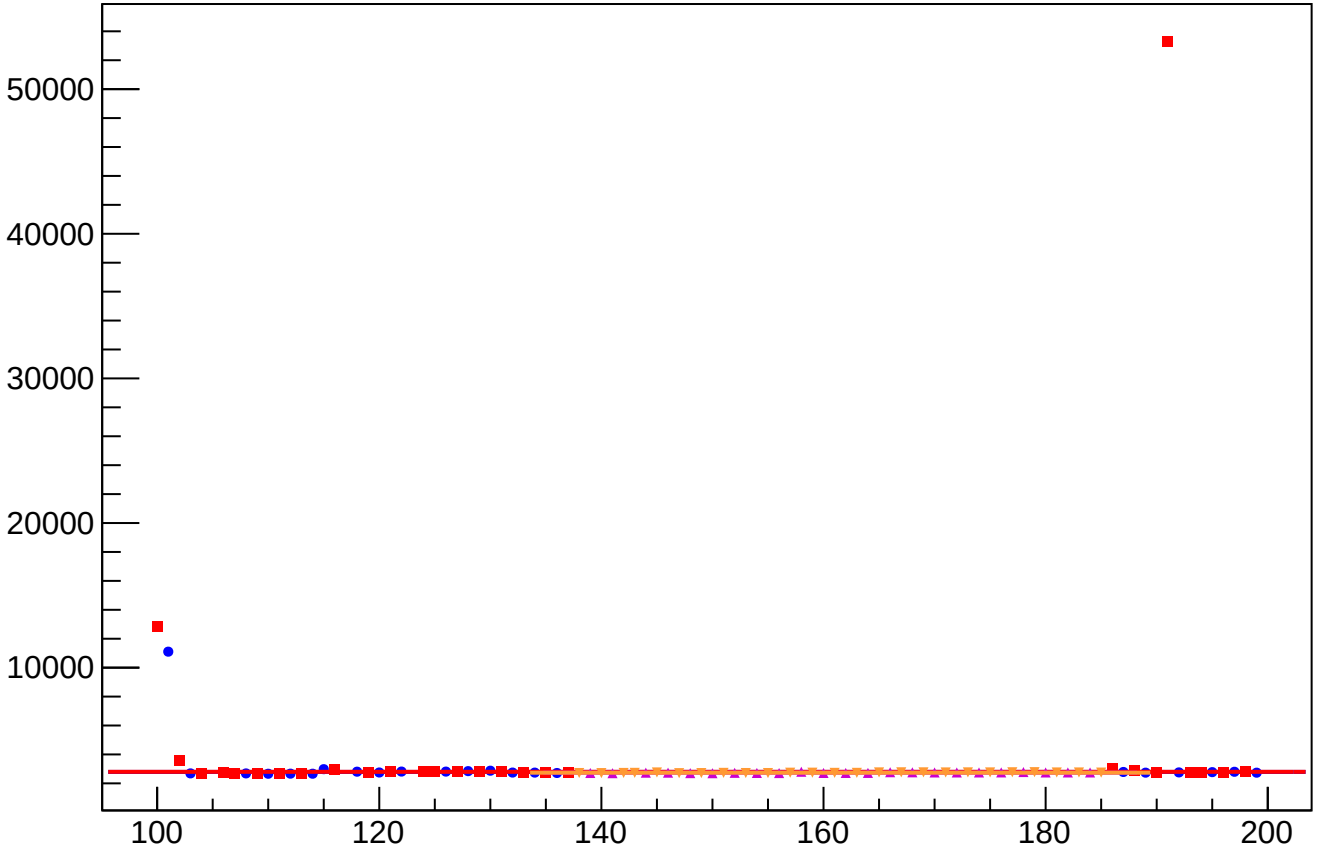
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2475.119+/-498.630 χ^2/NDF: 53.1/46

All: -2.985+/-352.640 χ^2/NDF: 151.1/96

- sign -2482.658+/-498.788 χ^2/NDF: 48.5/49

reg_asym_atr1_rms vs Slug



Right In: 2789.397+/-0.590 χ^2/NDF: 747983.1/21

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2798.042+/-0.563 χ^2/NDF: 478602.4/26

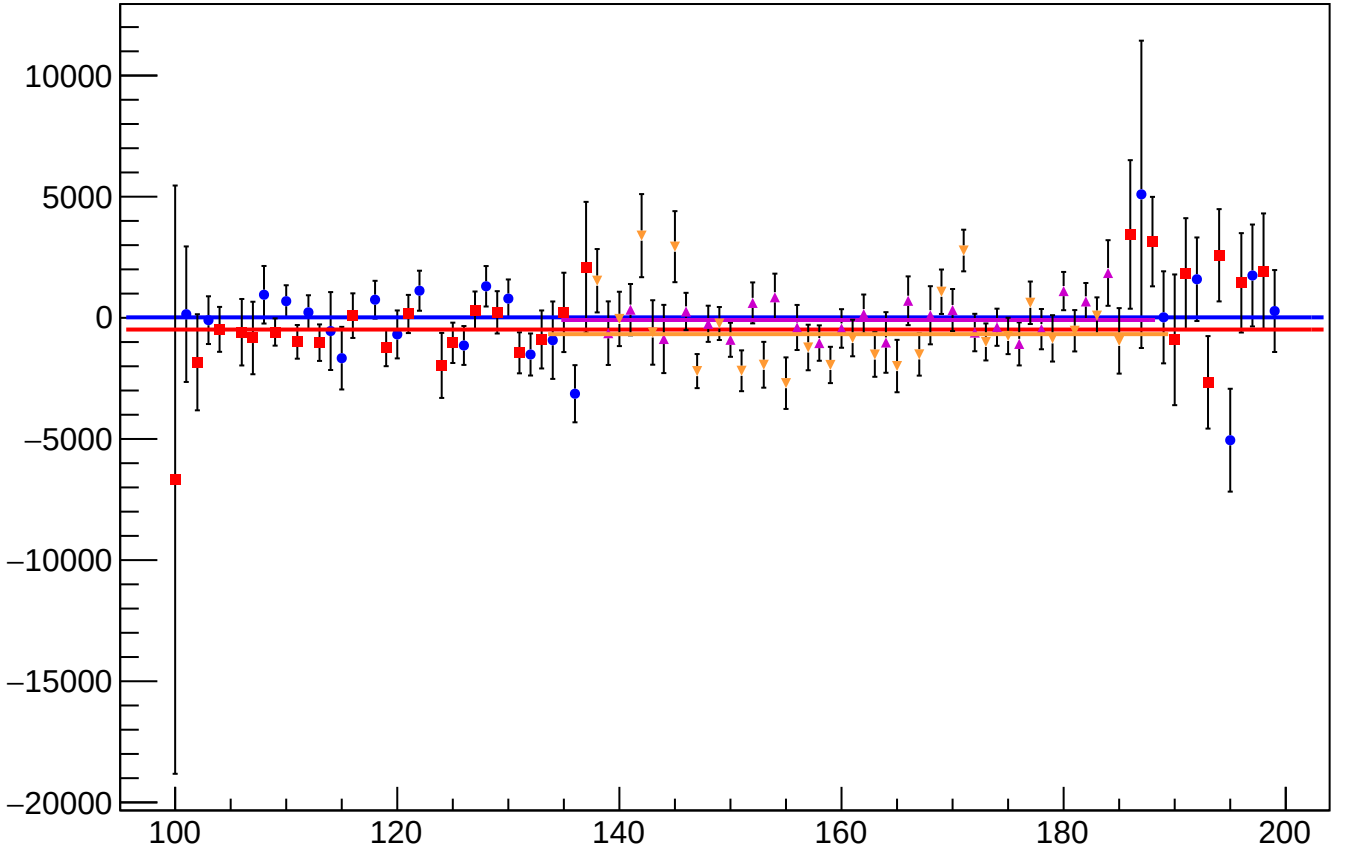
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.039+/-0.353 χ^2/NDF: 755270.3/46

All: 2759.356+/-0.249 χ^2/NDF: 1243897.5/96

- sign 2762.674+/-0.353 χ^2/NDF: 488450.1/49

asym_atr1_reg_correction_mean vs Slug



Right In: 19.634+/-224.849 χ^2/NDF: 30.6/21

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -483.416+/-207.900 χ^2/NDF: 22.0/26

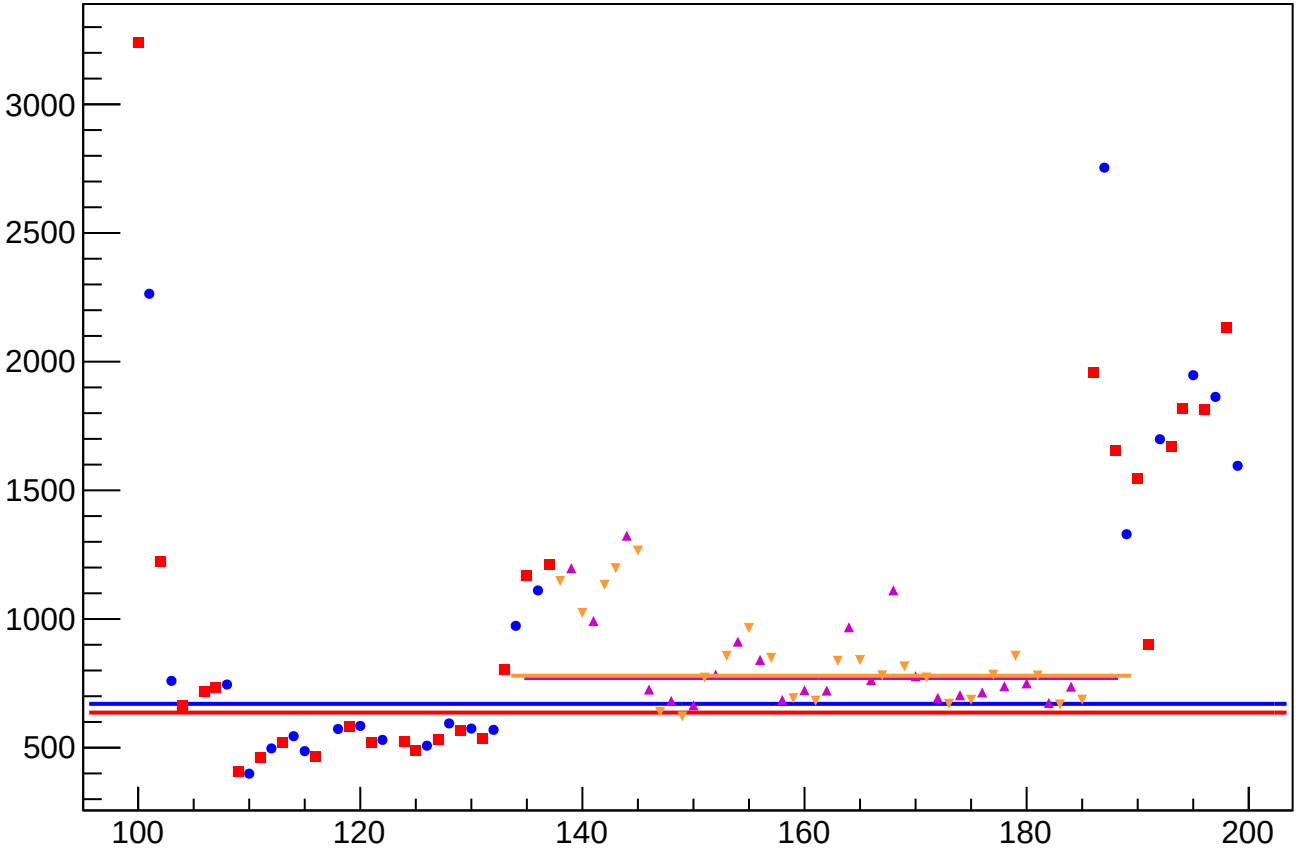
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -400.653+/-141.103 χ^2/NDF: 94.7/46

All: -329.569+/-98.503 χ^2/NDF: 134.1/96

- sign -261.998+/-137.572 χ^2/NDF: 38.8/49

asym_atr1_reg_correction_rms vs Slug



Right In: 670.442+/-0.159 χ^2/NDF: 4931481.9/21

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

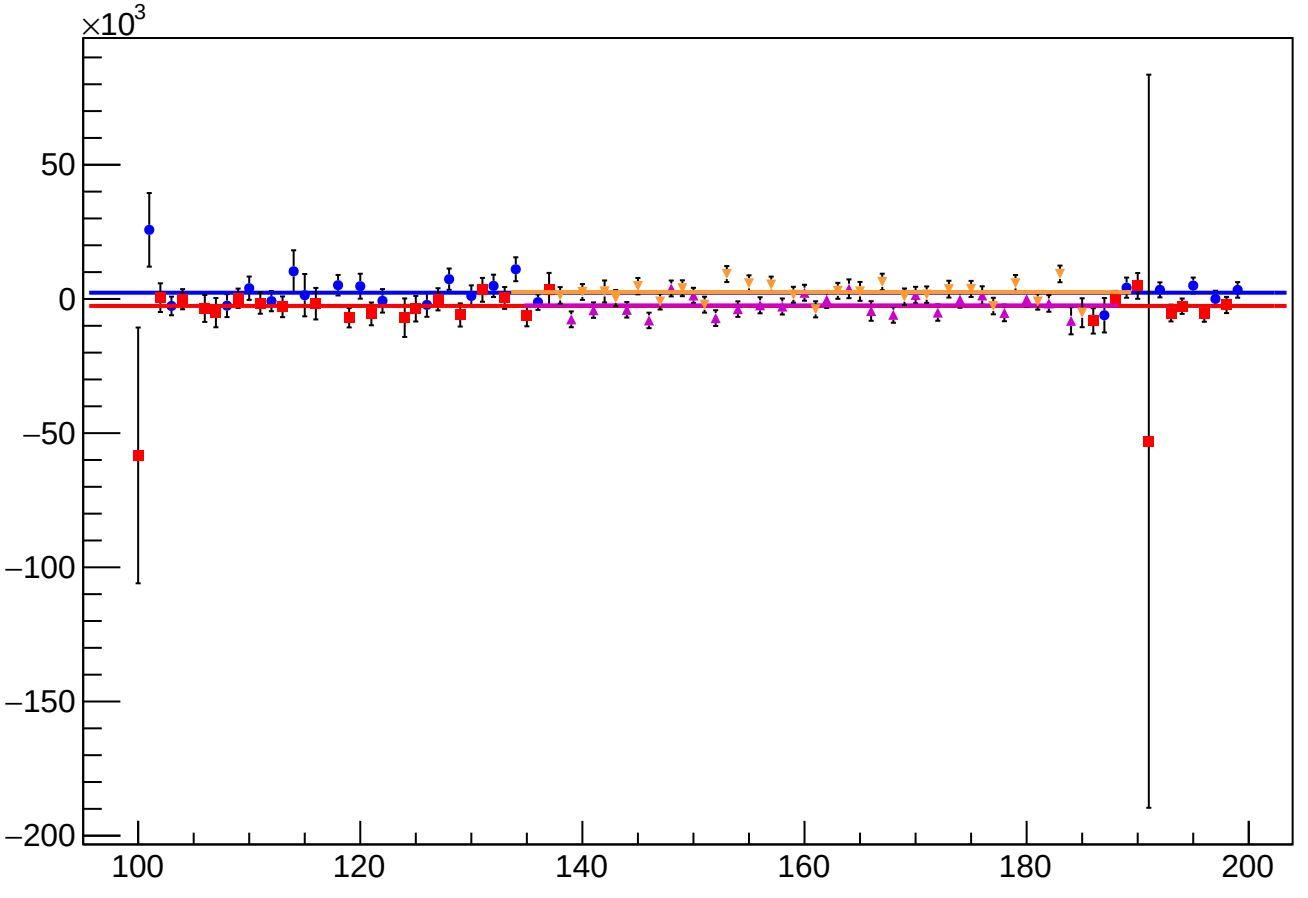
Right Out: 636.418+/-0.147 χ^2/NDF: 5446994.1/26

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 736.682+/-0.100 χ^2/NDF: 6461564.0/46

All: 724.005+/-0.070 χ^2/NDF: 13486082.4/96

- sign 711.954+/-0.097 χ^2/NDF: 6993028.4/49



Right In: 2327.549+/-834.541 χ^2/NDF: 21.5/21

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2601.919+/-797.658 χ^2/NDF: 17.1/26

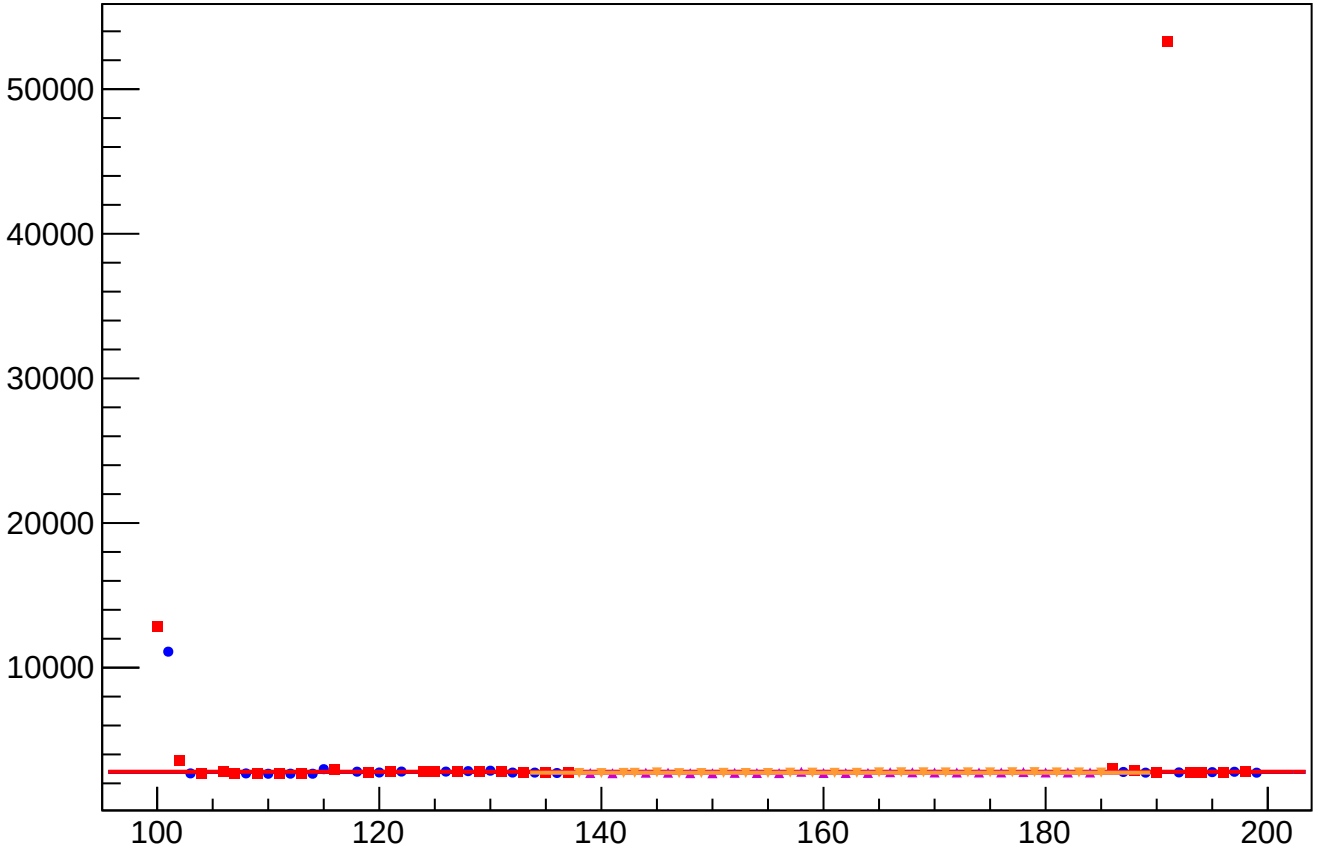
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2474.950+/-498.630 χ^2/NDF: 53.1/46

All: -2.513+/-352.734 χ^2/NDF: 151.0/96

- sign -2484.188+/-499.054 χ^2/NDF: 48.5/49

cor_asym_atr1_rms vs Slug



Right In: 2789.397+/-0.590 χ^2/NDF: 747982.3/21

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.220+/-0.564 χ^2/NDF: 478186.0/26

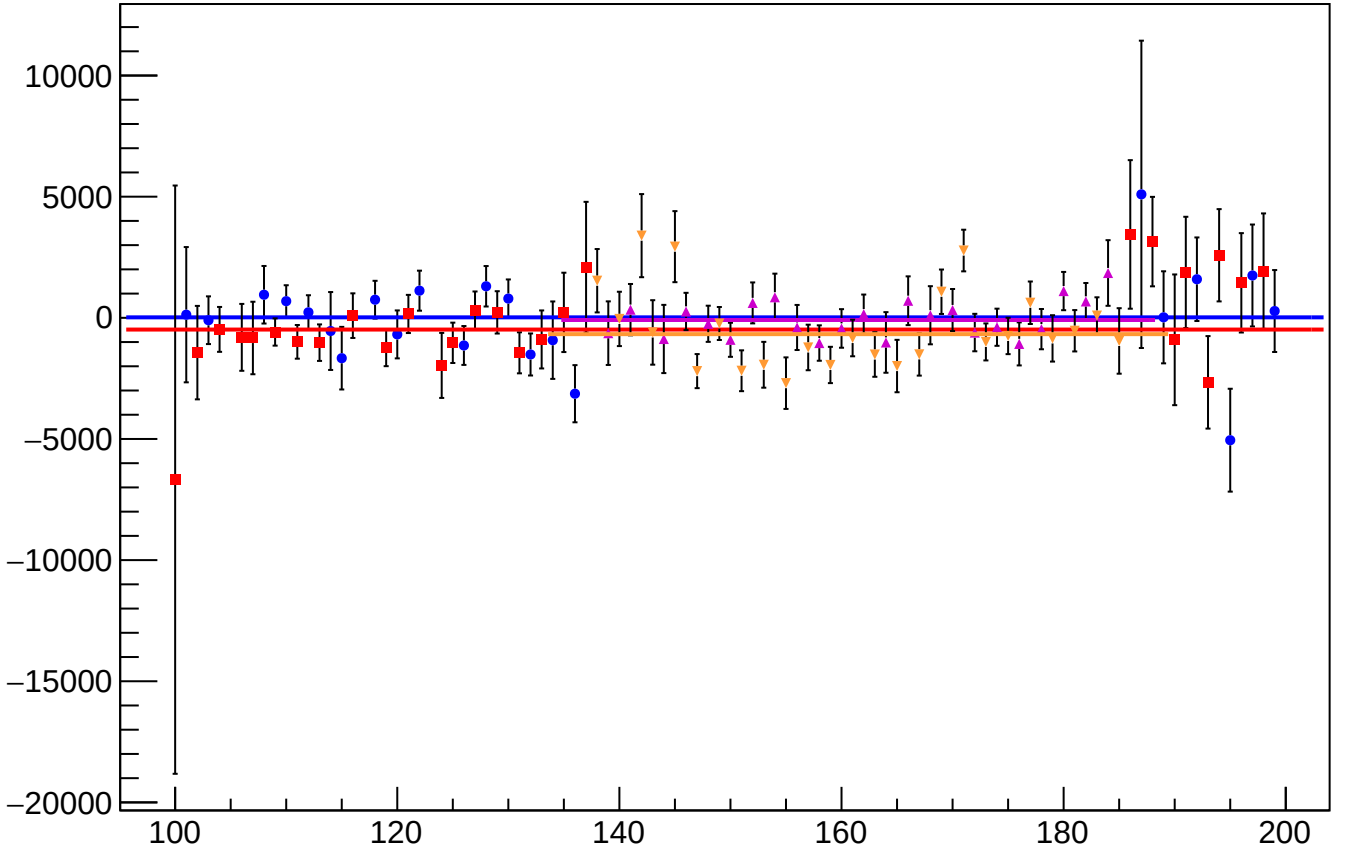
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.039+/-0.353 χ^2/NDF: 755269.4/46

All: 2759.956+/-0.249 χ^2/NDF: 1244266.2/96

- sign 2763.881+/-0.353 χ^2/NDF: 488749.6/49

asym_atr1_cor_correction_mean vs Slug



Right In: 19.602+/-224.839 χ^2/NDF: 30.6/21

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -484.255+/-207.865 χ^2/NDF: 21.9/26

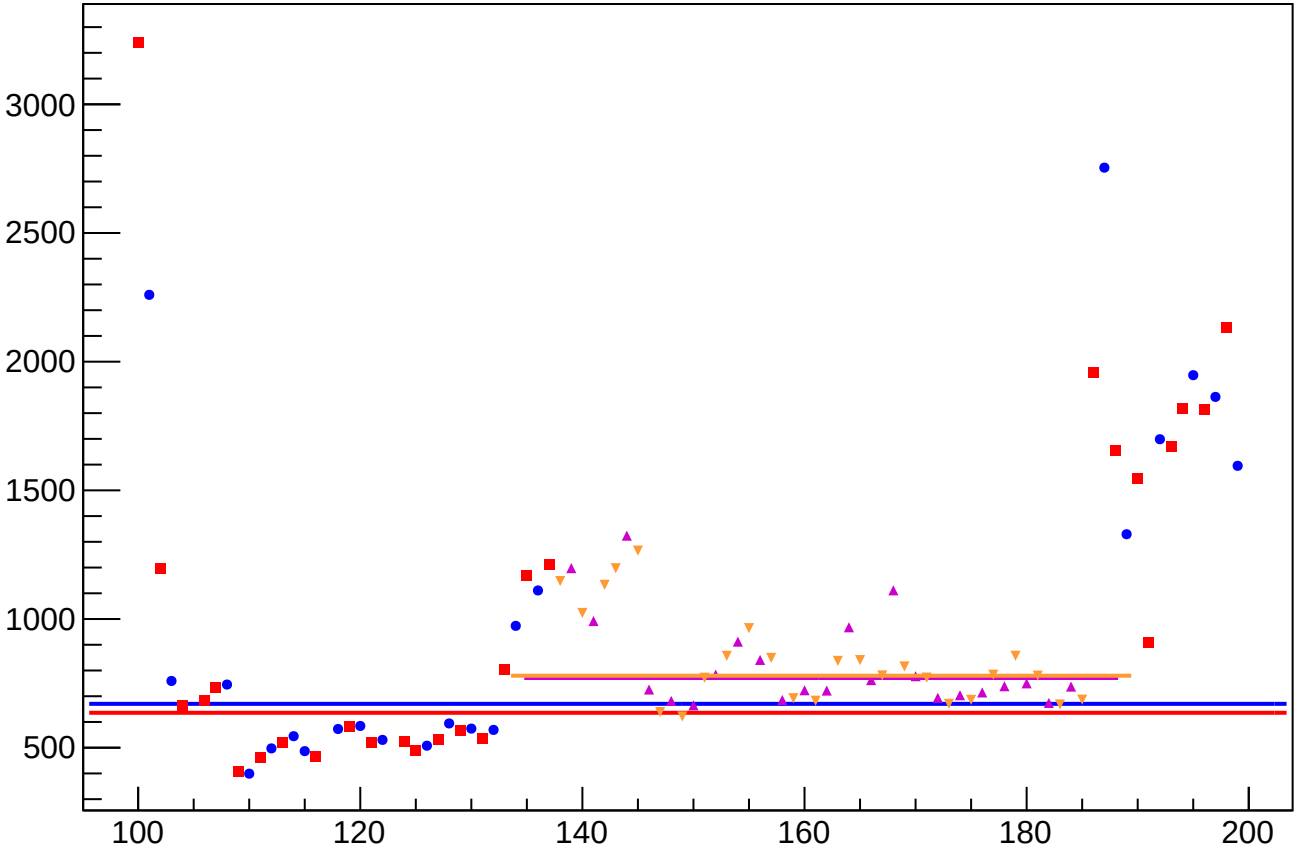
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -400.599+/-141.100 χ^2/NDF: 94.8/46

All: -329.781+/-98.498 χ^2/NDF: 134.0/96

- sign -262.469+/-137.562 χ^2/NDF: 38.7/49

asym_atr1_cor_correction_rms vs Slug



Right In: 670.433+/-0.159 χ^2/NDF: 4930539.7/21

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 635.733+/-0.147 χ^2/NDF: 5438405.1/26

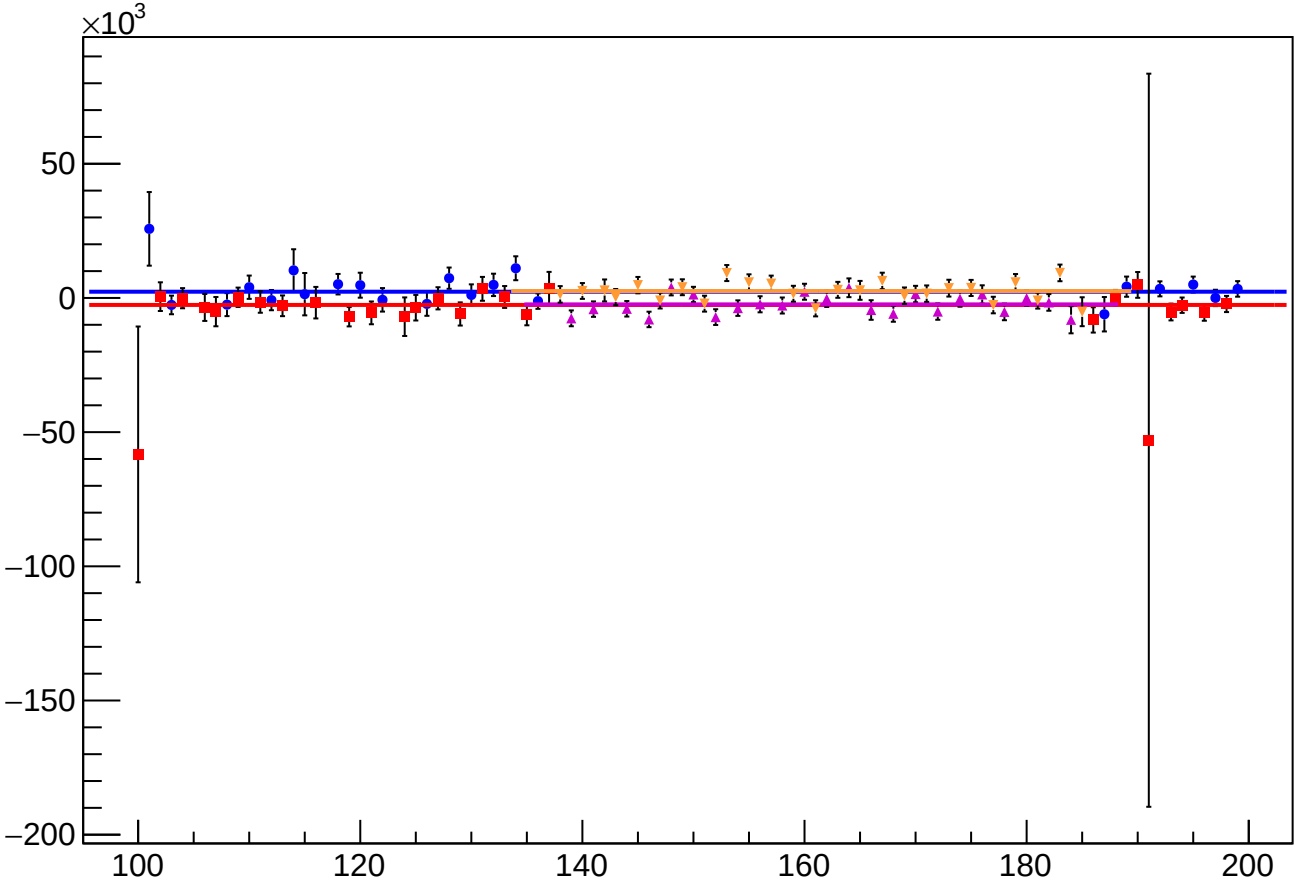
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 736.675+/-0.100 χ^2/NDF: 6460701.6/46

All: 723.842+/-0.070 χ^2/NDF: 13482259.5/96

- sign 711.645+/-0.097 χ^2/NDF: 6989291.1/49

eigen_cor_asym_atr1_mean vs Slug



Right In: 2327.549+/-834.541 χ^2/NDF: 21.5/21

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2601.919+/-797.658 χ^2/NDF: 17.1/26

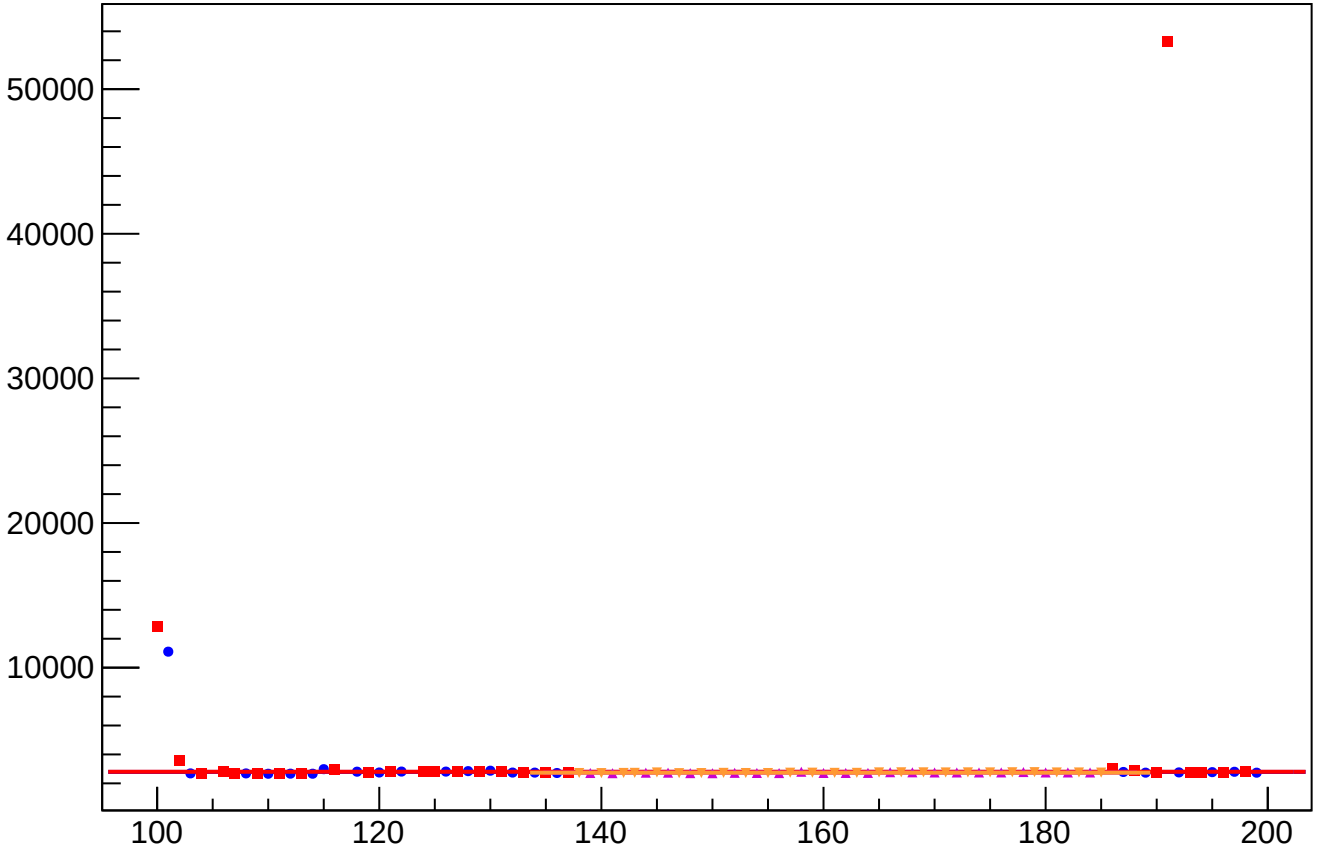
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2474.950+/-498.630 χ^2/NDF: 53.1/46

All: -2.513+/-352.734 χ^2/NDF: 151.0/96

- sign -2484.188+/-499.054 χ^2/NDF: 48.5/49

eigen_cor_asym_atr1_rms vs Slug



Right In: 2789.397+/-0.590 χ^2/NDF: 747982.3/21

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.220+/-0.564 χ^2/NDF: 478186.0/26

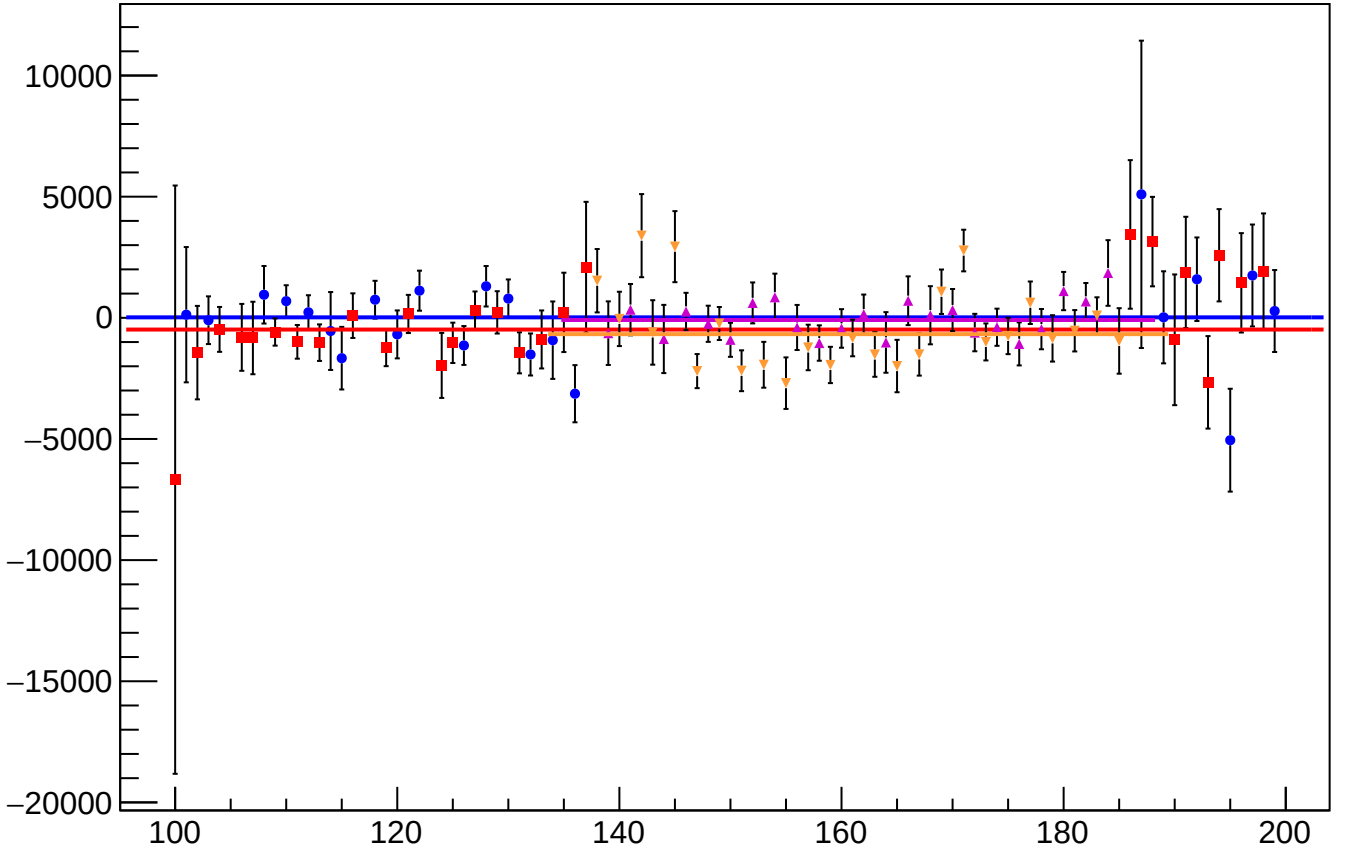
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.039+/-0.353 χ^2/NDF: 755269.4/46

All: 2759.956+/-0.249 χ^2/NDF: 1244266.2/96

- sign 2763.881+/-0.353 χ^2/NDF: 488749.6/49

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 19.602+/-224.839 χ^2/NDF: 30.6/21

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -484.255+/-207.865 χ^2/NDF: 21.9/26

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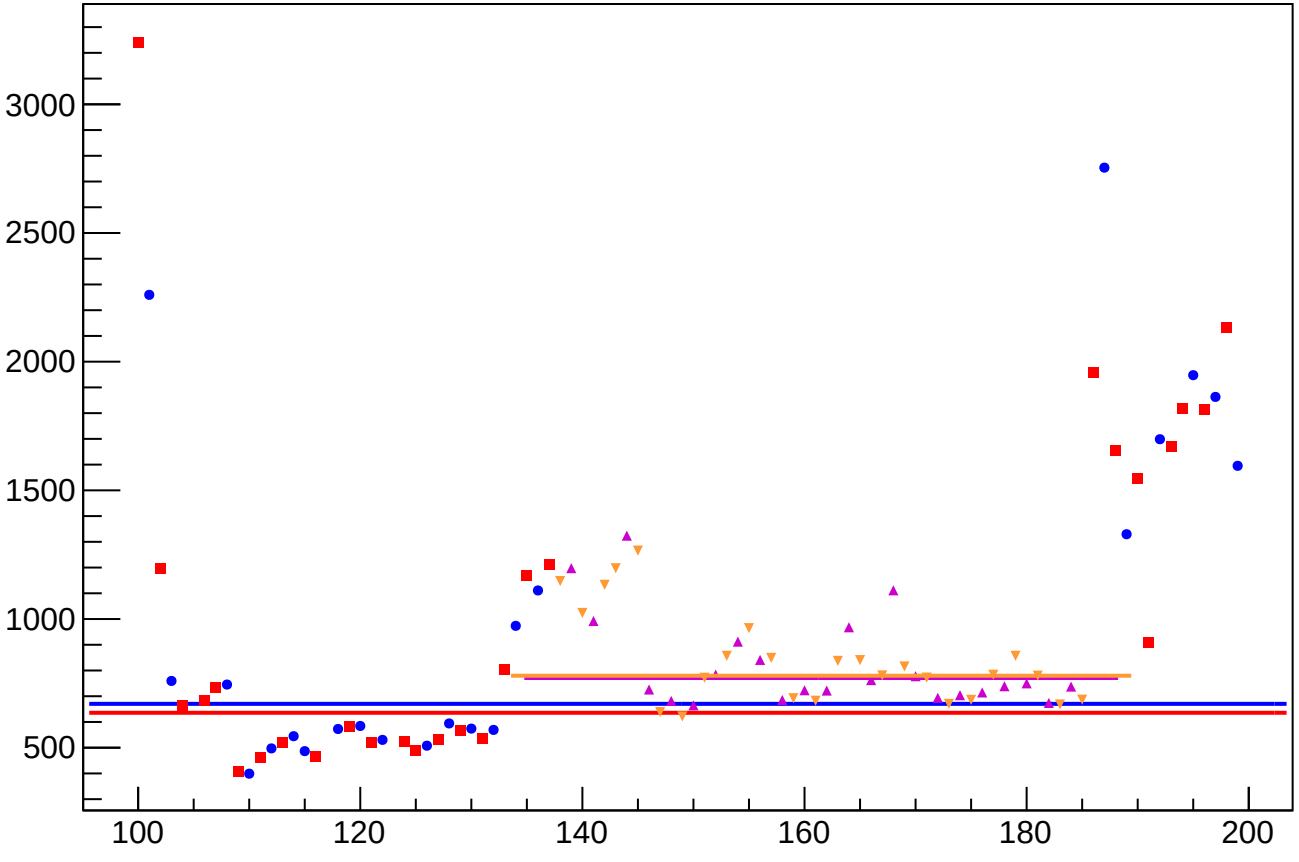
+ sign -400.599+/-141.100 χ^2/NDF: 94.8/46

All: -329.781+/-98.498 χ^2/NDF: 134.0/96

- sign -262.469+/-137.562 χ^2/NDF: 38.7/49

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 670.433+/-0.159 χ^2/NDF: 4930539.7/21

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 635.733+/-0.147 χ^2/NDF: 5438405.1/26

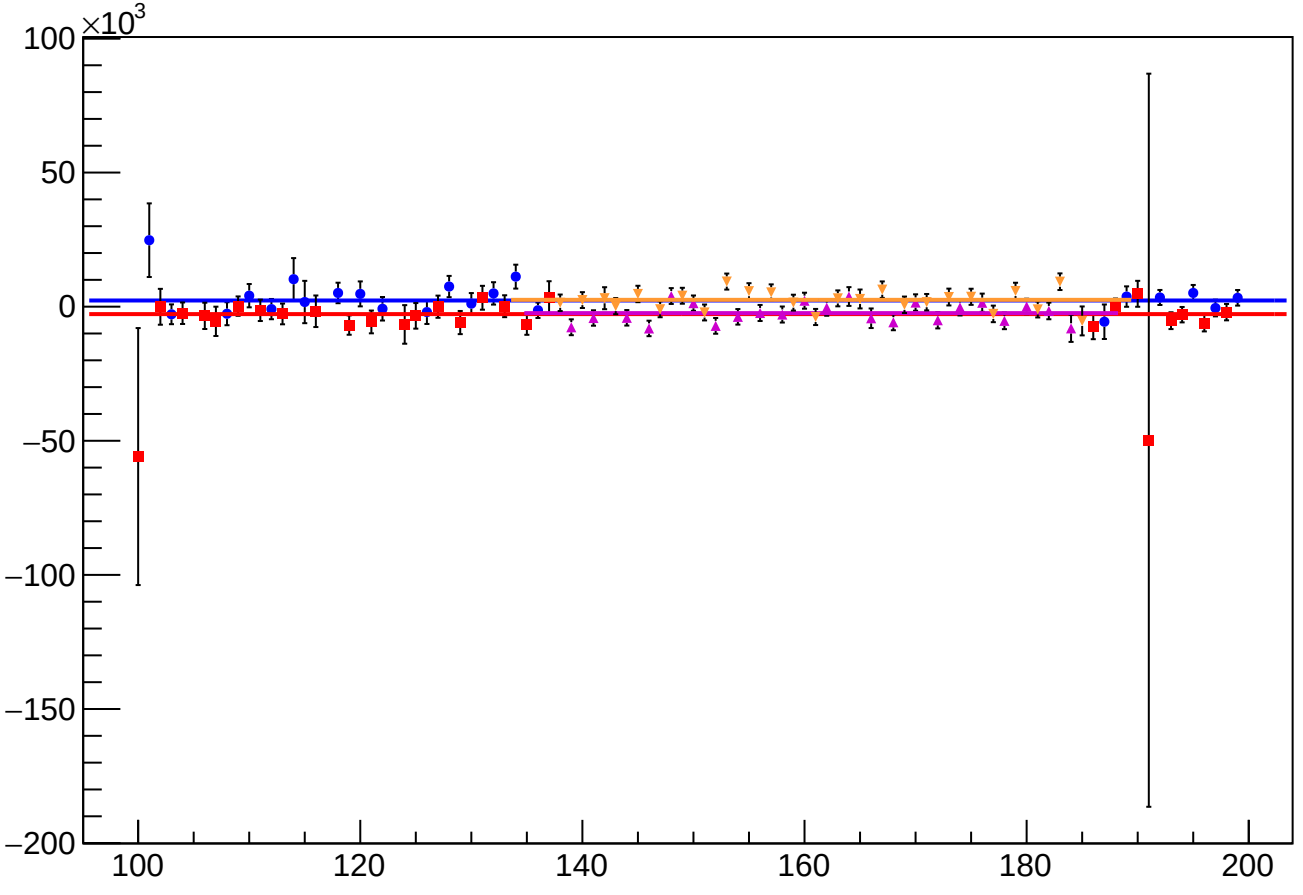
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 736.675+/-0.100 χ^2/NDF: 6460701.6/46

All: 723.842+/-0.070 χ^2/NDF: 13482259.5/96

- sign 711.645+/-0.097 χ^2/NDF: 6989291.1/49

dit_asym_atr1_mean vs Slug



Right In: 2303.254+/-840.375 χ^2/NDF: 21.6/21

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2772.755+/-805.111 χ^2/NDF: 16.2/26

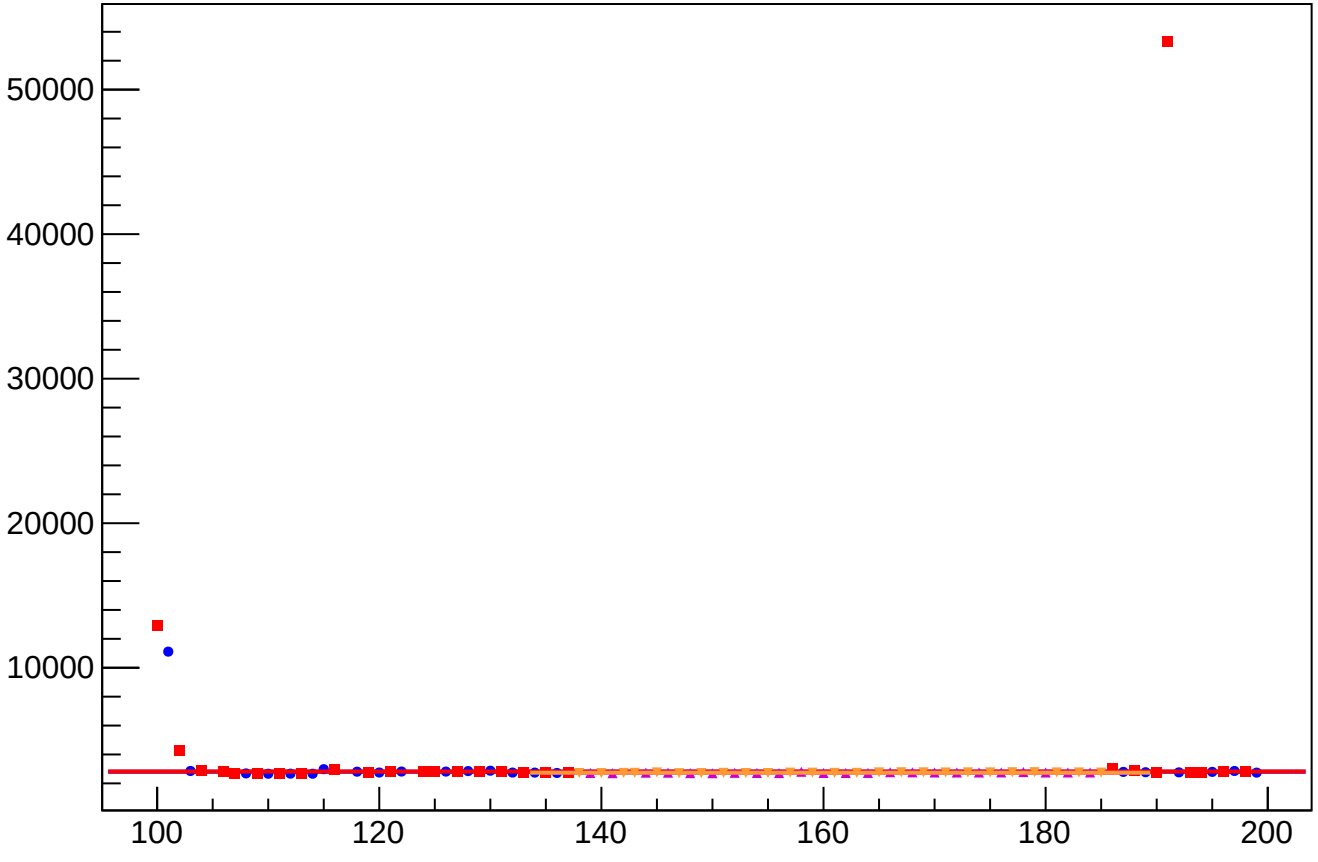
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2459.425+/-500.077 χ^2/NDF: 53.5/46

All: -39.776+/-353.946 χ^2/NDF: 151.7/96

- sign -2548.563+/-501.035 χ^2/NDF: 48.2/49

dit_asym_atr1_rms vs Slug



Right In: 2808.751+/-0.594 χ^2/NDF: 746581.3/21

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2819.885+/-0.569 χ^2/NDF: 531329.5/26

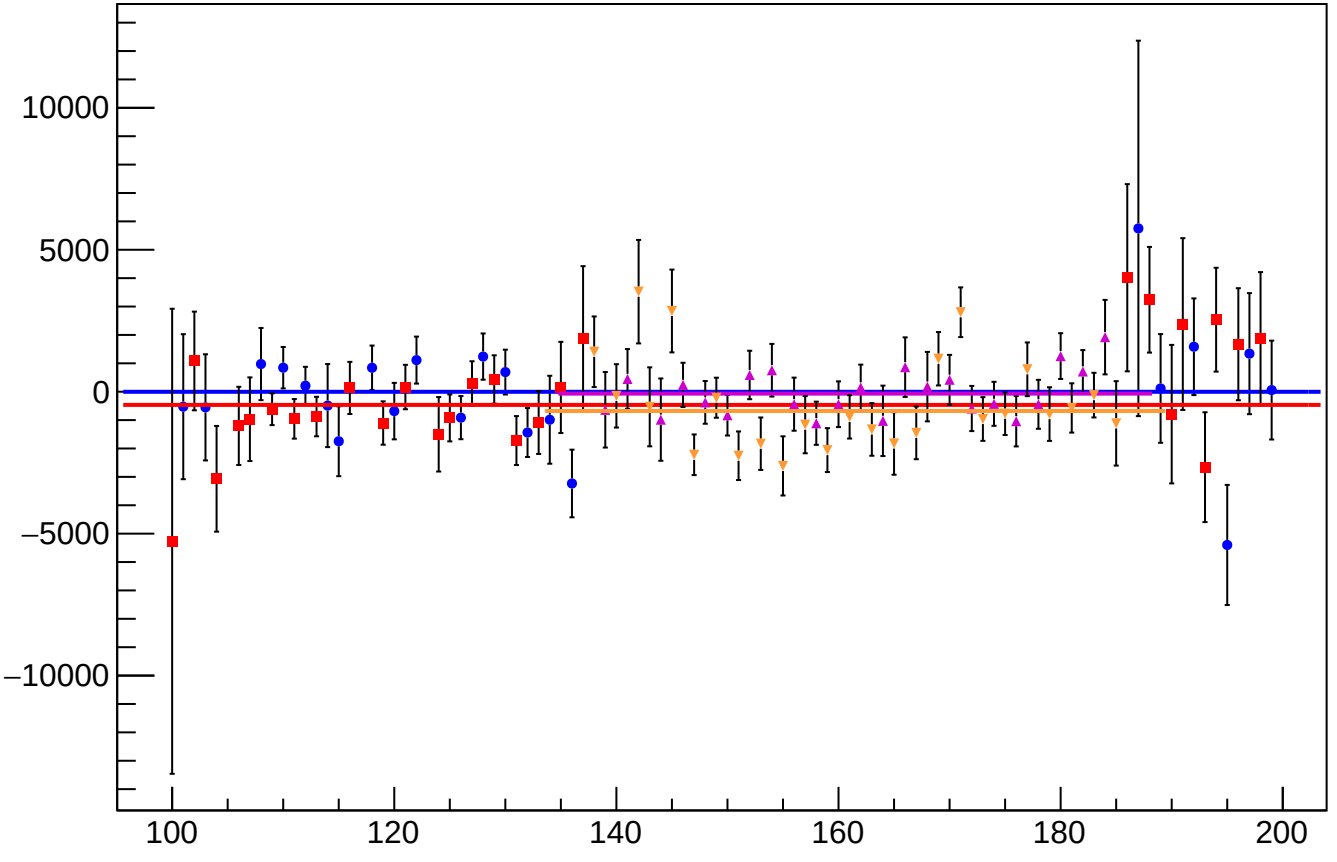
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.895+/-0.354 χ^2/NDF: 757725.3/46

All: 2767.835+/-0.250 χ^2/NDF: 1304321.6/96

- sign 2771.790+/-0.354 χ^2/NDF: 546347.4/49

asym_atr1_dit_correction_mean vs Slug



Right In: -3.034+/-228.521 χ^2/NDF: 31.3/21

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -465.280+/-209.059 χ^2/NDF: 25.4/26

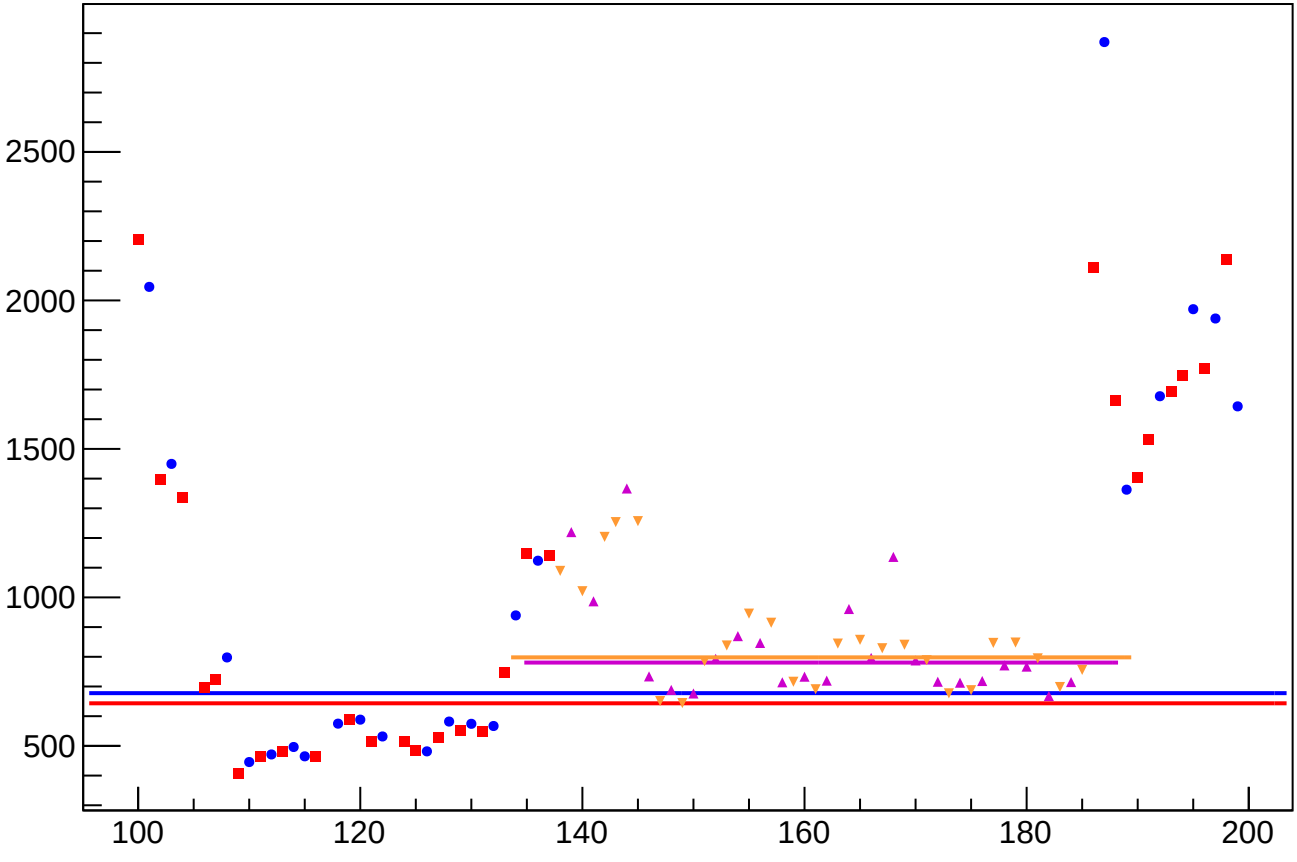
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -410.905+/-143.790 χ^2/NDF: 92.8/46

All: -323.665+/-99.837 χ^2/NDF: 136.8/96

- sign -242.463+/-138.726 χ^2/NDF: 43.3/49

asym_atr1_dit_correction_rms vs Slug



Right In: 677.564+/-0.162 χ^2/NDF: 5323222.6/21

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 643.385+/-0.148 χ^2/NDF: 6085377.3/26

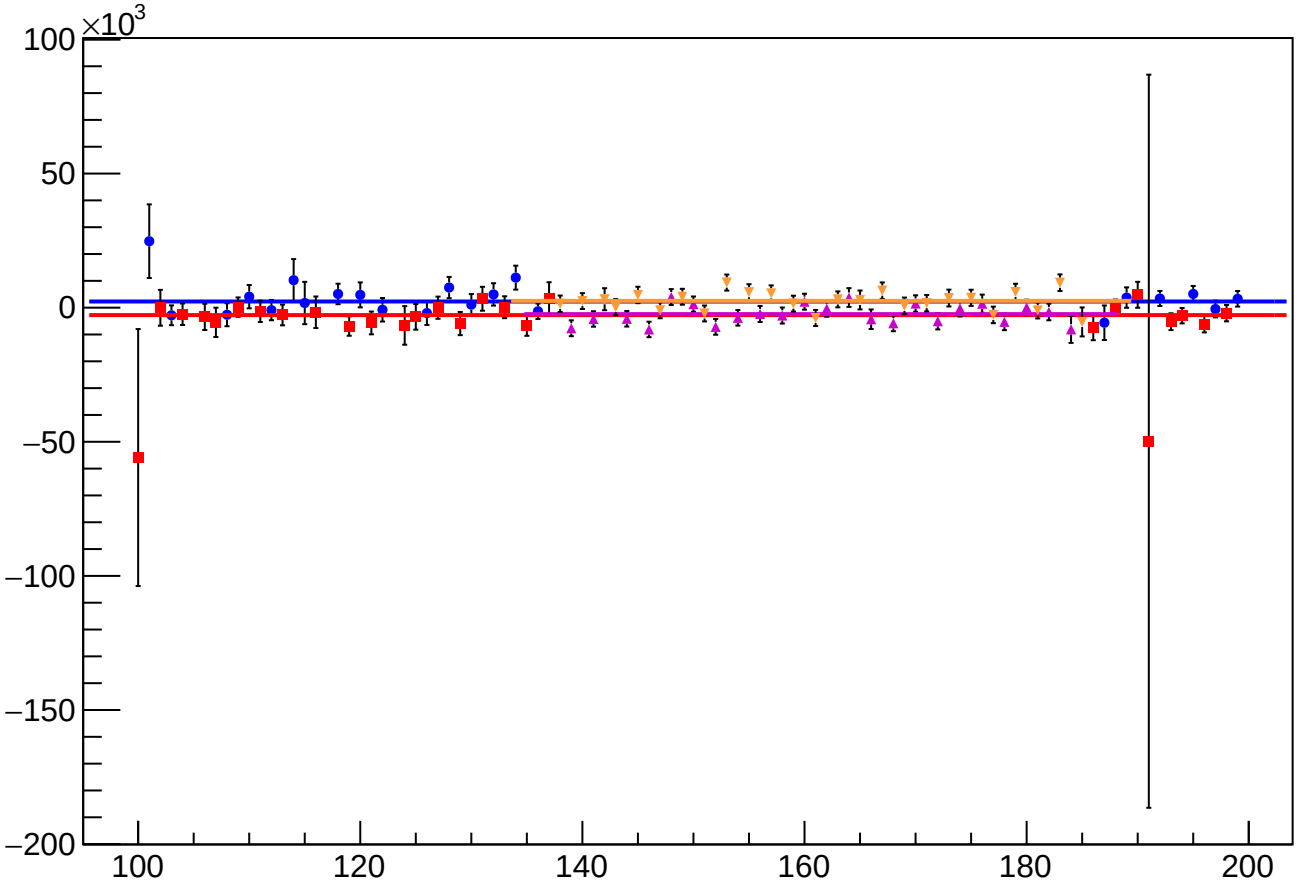
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 750.372+/-0.102 χ^2/NDF: 6827657.7/46

All: 734.713+/-0.071 χ^2/NDF: 14505335.3/96

- sign 720.138+/-0.098 χ^2/NDF: 7631881.3/49

eigen_dit_asym_atr1_mean vs Slug



Right In: 2303.254+/-840.375 χ^2/NDF: 21.6/21

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2772.752+/-805.111 χ^2/NDF: 16.2/26

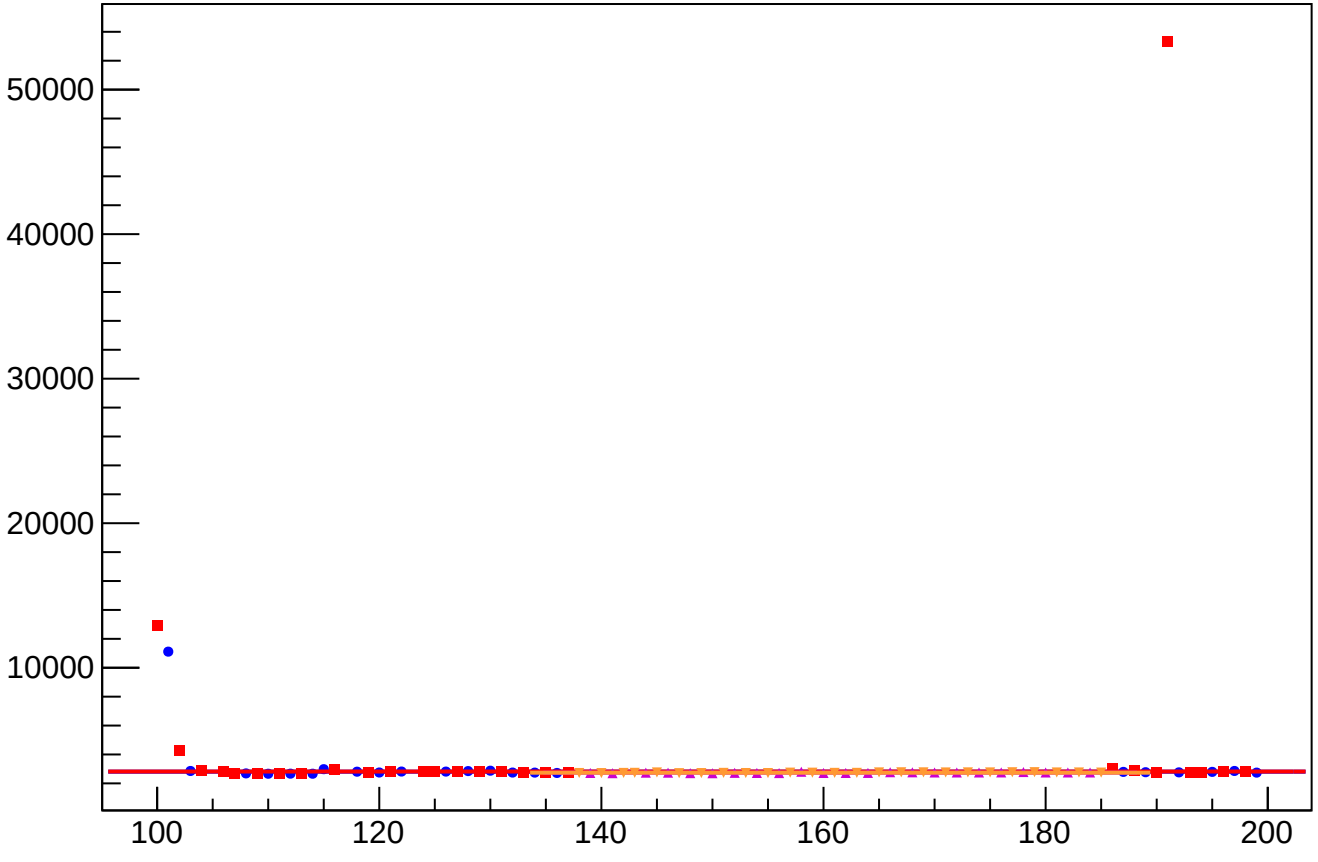
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2459.426+/-500.077 χ^2/NDF: 53.5/46

All: -39.775+/-353.946 χ^2/NDF: 151.7/96

- sign -2548.561+/-501.035 χ^2/NDF: 48.2/49

eigen_dit_asym_atr1_rms vs Slug



Right In: 2808.751+/-0.594 χ^2/NDF: 746581.3/21

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2819.885+/-0.569 χ^2/NDF: 531329.3/26

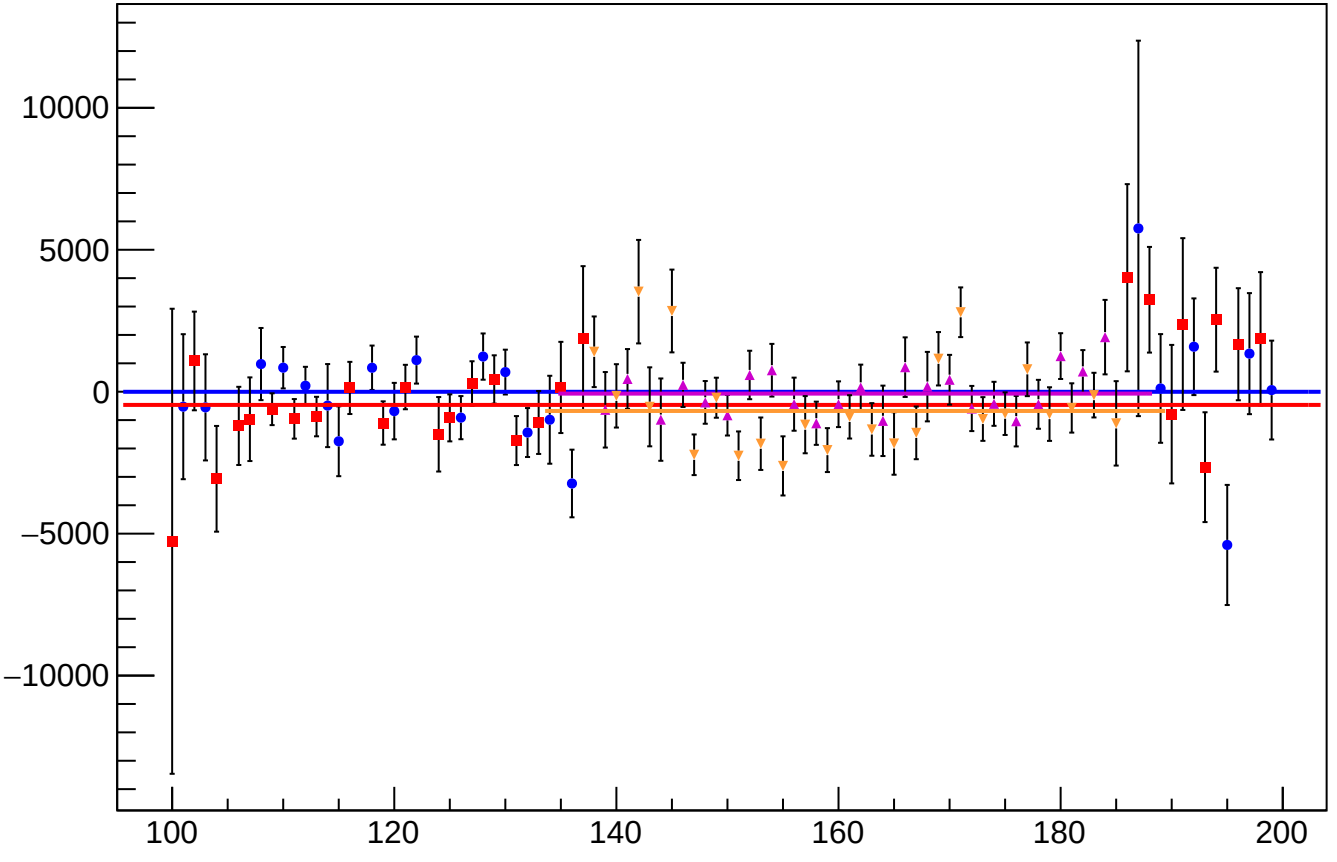
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.895+/-0.354 χ^2/NDF: 757725.3/46

All: 2767.835+/-0.250 χ^2/NDF: 1304321.3/96

- sign 2771.790+/-0.354 χ^2/NDF: 546347.2/49

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -3.033+/-228.521 χ^2/NDF: 31.3/21

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -465.280+/-209.059 χ^2/NDF: 25.4/26

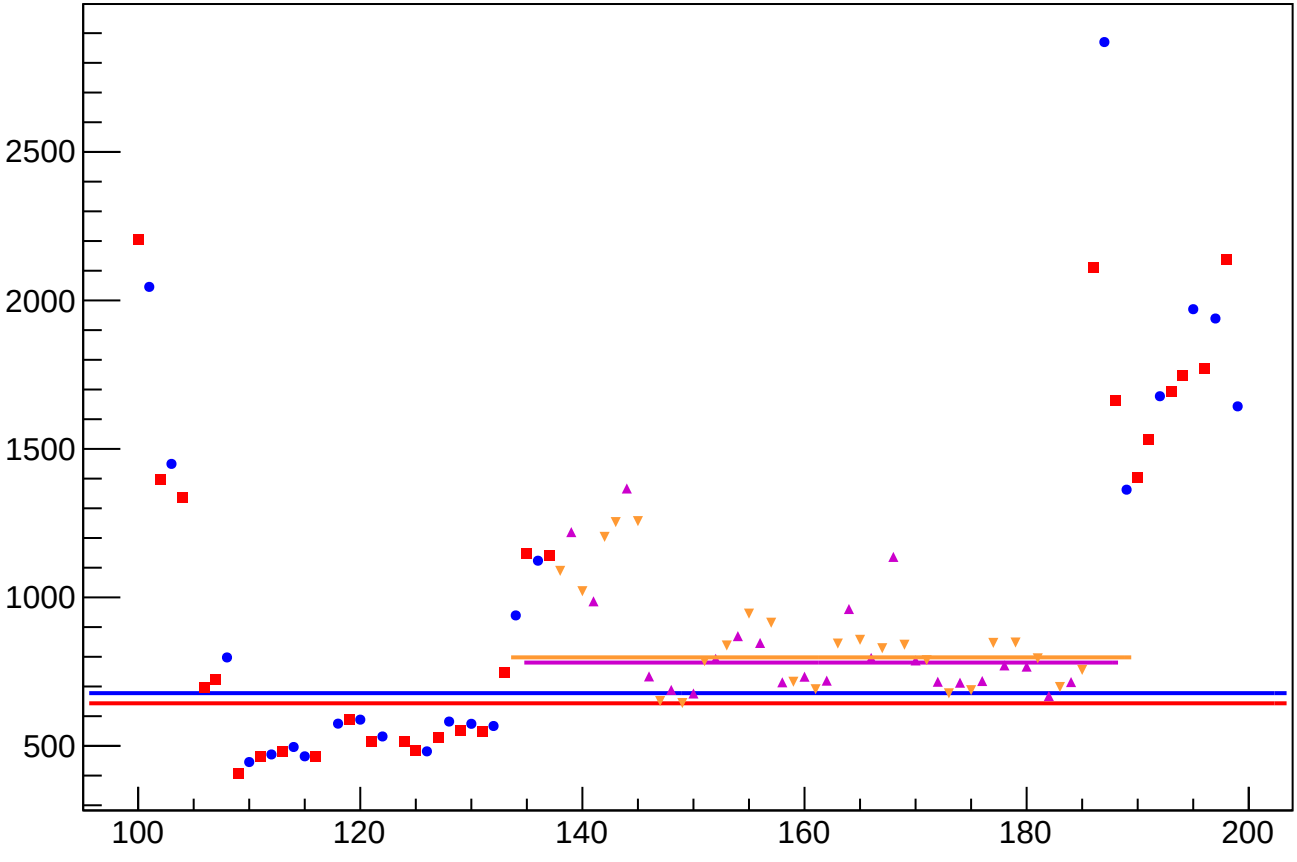
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -410.905+/-143.790 χ^2/NDF: 92.8/46

All: -323.666+/-99.837 χ^2/NDF: 136.8/96

- sign -242.463+/-138.726 χ^2/NDF: 43.3/49

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 677.564+/-0.162 χ^2/NDF: 5323218.5/21

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

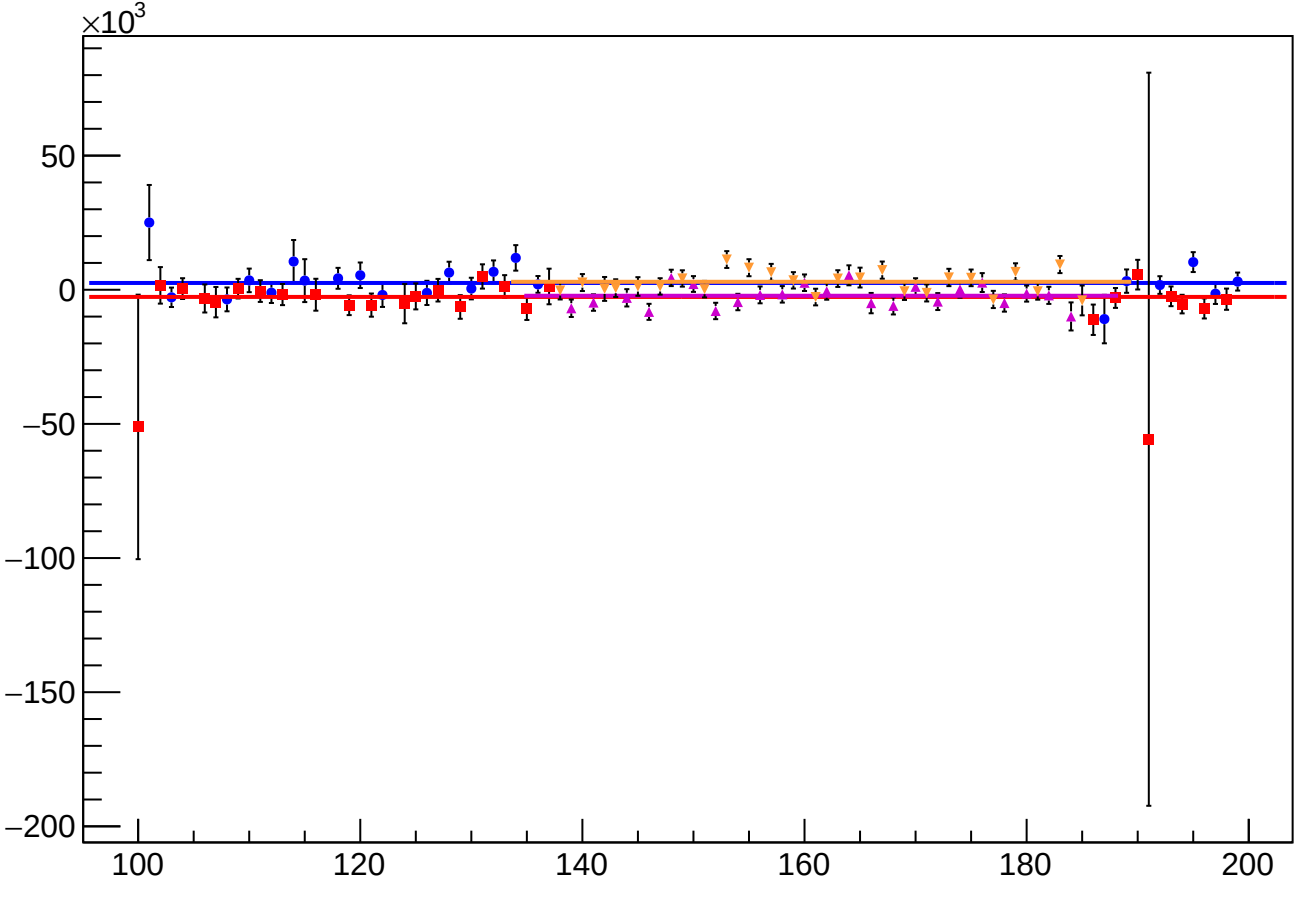
Right Out: 643.385+/-0.148 χ^2/NDF: 6085378.2/26

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

\+ sign 750.372+/-0.102 χ^2/NDF: 6827653.1/46

All: 734.713+/-0.071 χ^2/NDF: 14505333.6/96

\- sign 720.138+/-0.098 χ^2/NDF: 7631883.3/49



Right In: 2534.455+/-911.106 χ^2/NDF: 24.7/21

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2670.407+/-878.884 χ^2/NDF: 17.3/26

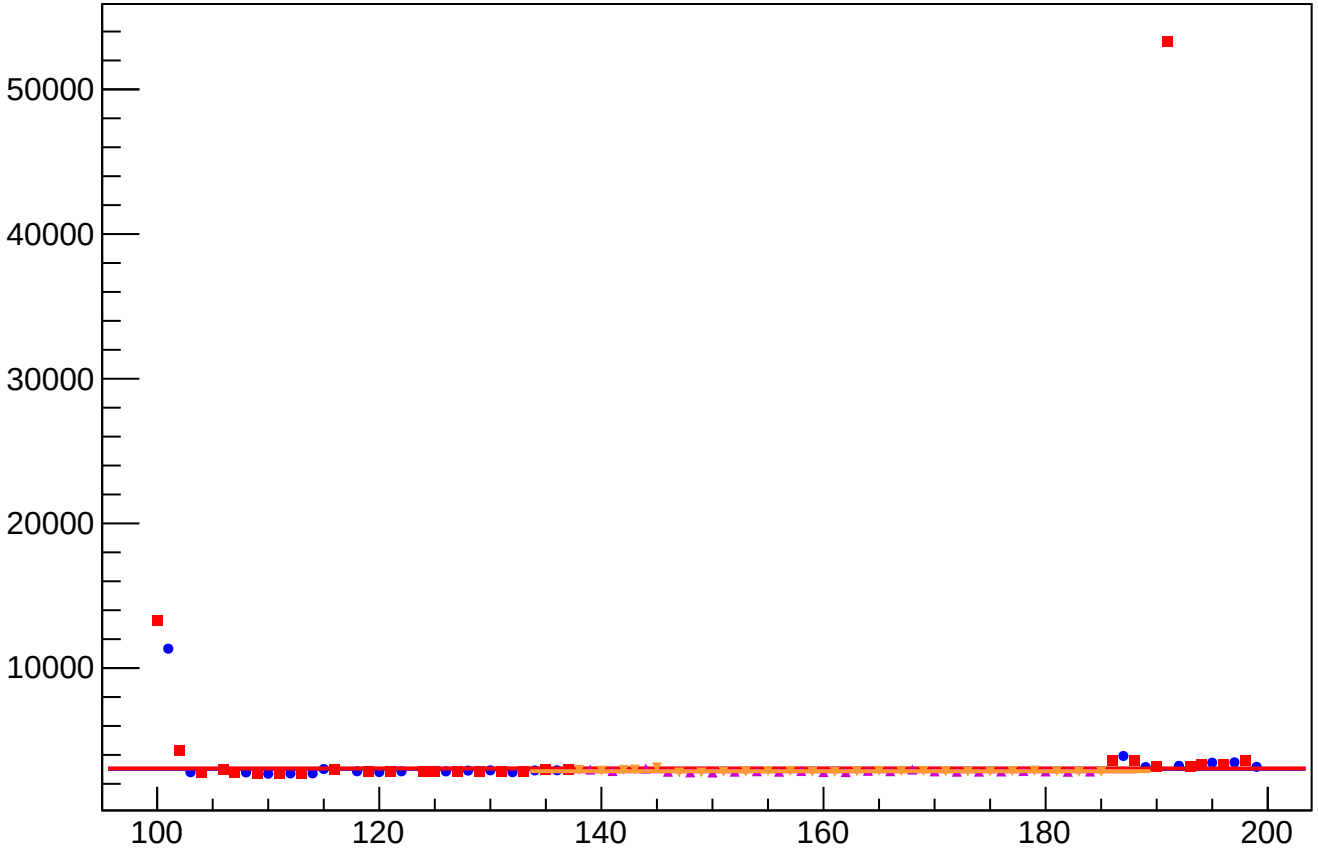
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2821.671+/-530.912 χ^2/NDF: 60.6/46

All: 222.696+/-376.146 χ^2/NDF: 160.0/96

- sign -2396.709+/-532.994 χ^2/NDF: 51.3/49

asym_atr1_rms vs Slug



Right In: 3035.027+/-0.644 χ^2/NDF: 858290.4/21

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3060.366+/-0.621 χ^2/NDF: 705015.5/26

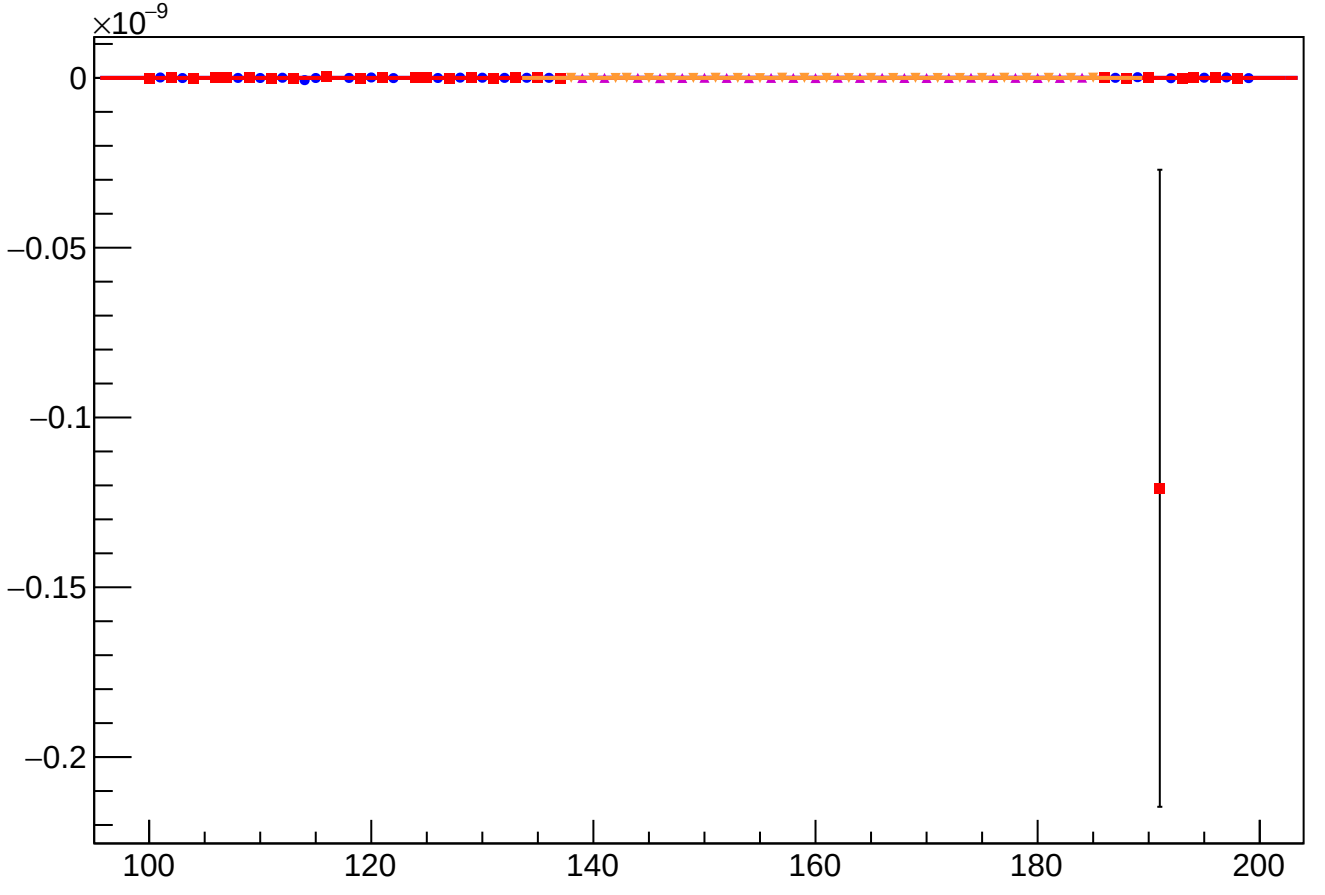
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2929.293+/-0.375 χ^2/NDF: 920862.1/46

All: 2934.680+/-0.266 χ^2/NDF: 1703205.9/96

- sign 2940.109+/-0.377 χ^2/NDF: 781930.4/49

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.0/26

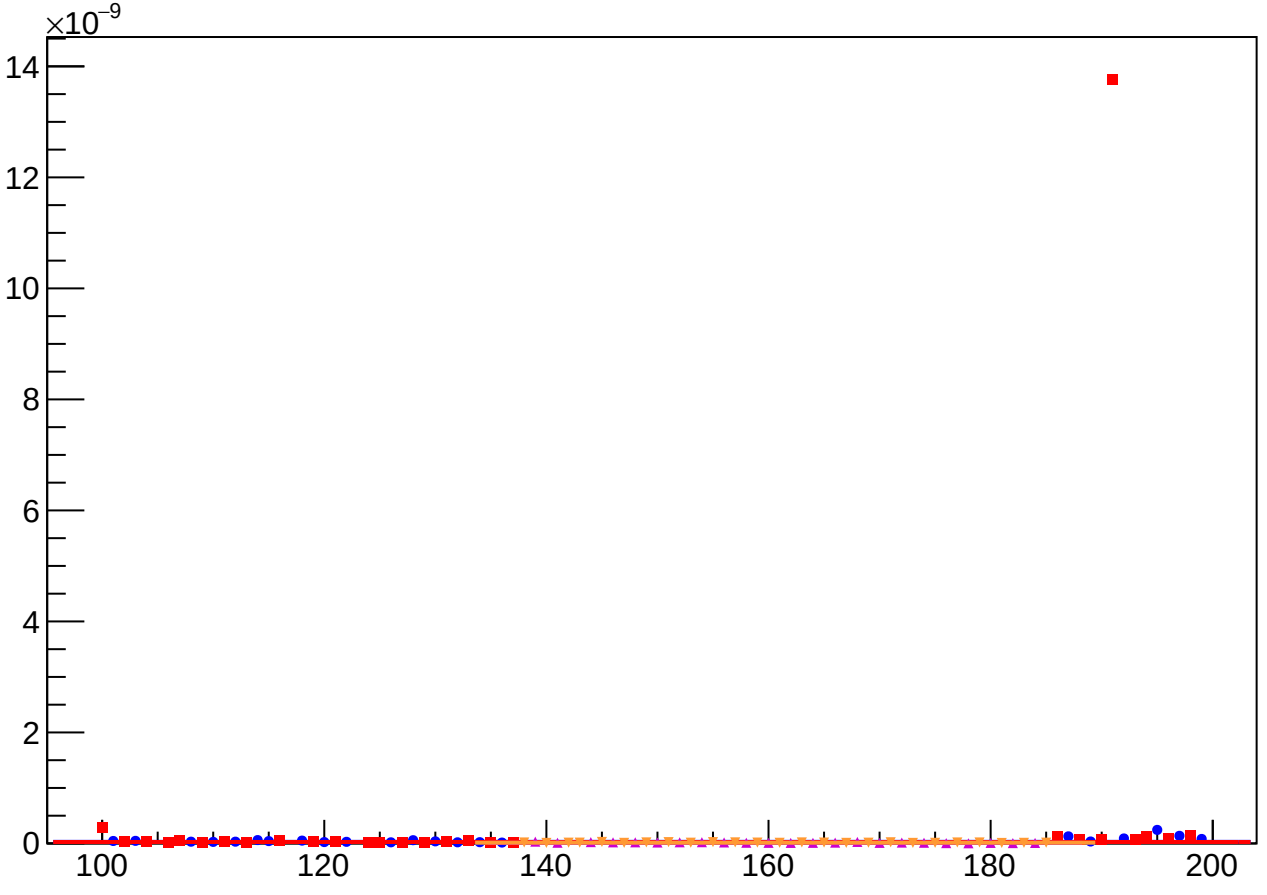
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.7/46

All: 0.000+/-0.000 χ^2/NDF: 90.5/96

- 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: 2630661.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2513740.6/26

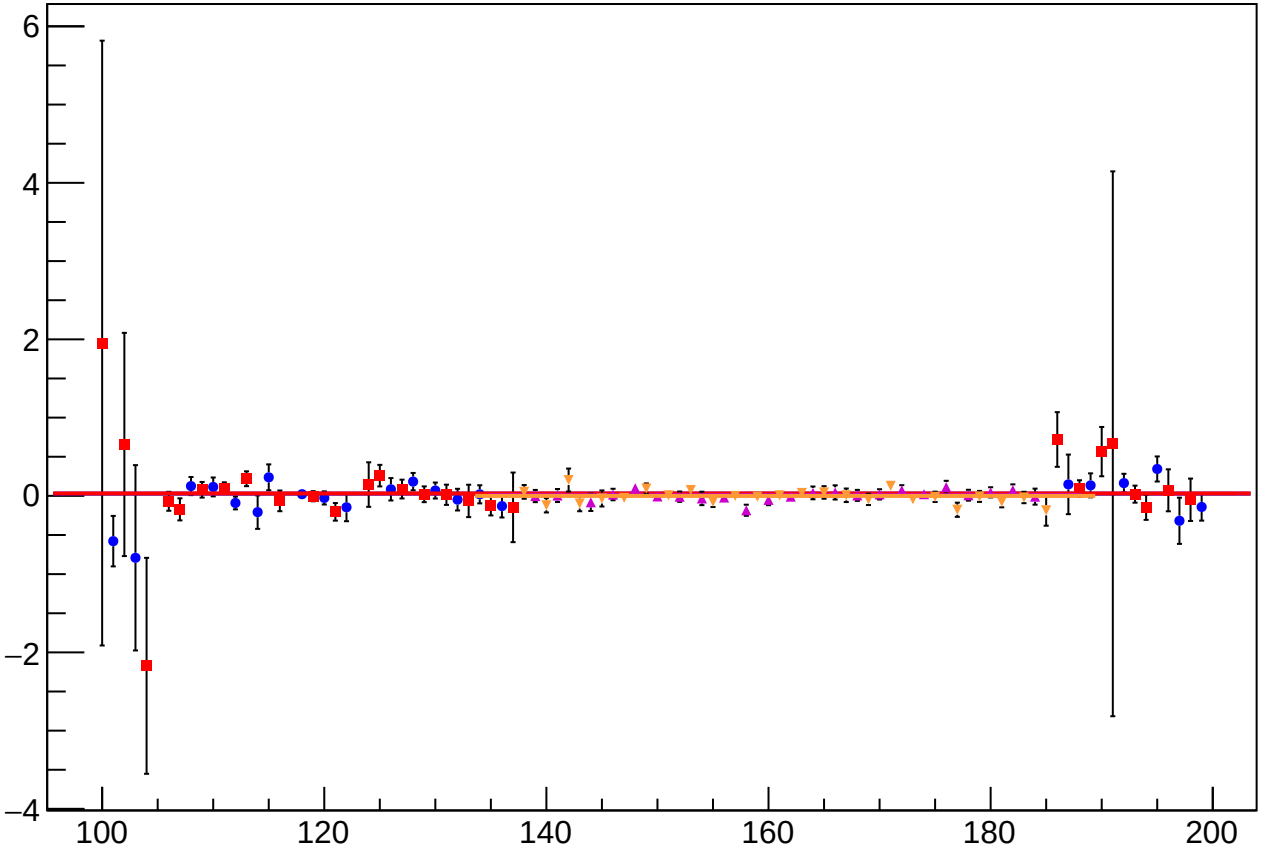
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5369749.4/46

All: 0.000+/-0.000 χ^2/NDF: 13115746.4/96

- sign 0.000+/-0.000 χ^2/NDF: 7467362.8/49

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.4/26

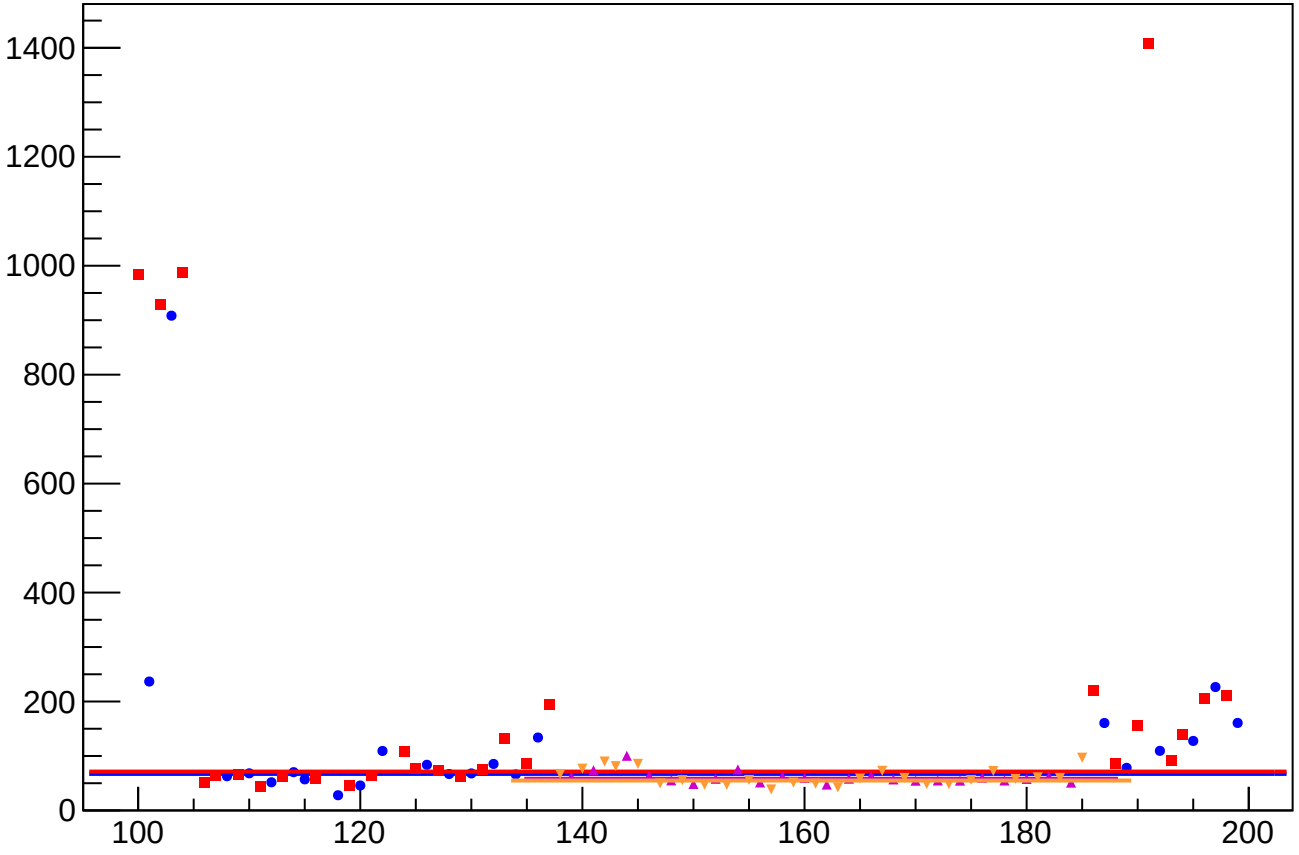
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.006+/-0.012 χ^2/NDF: 46.9/46

All: 0.010+/-0.009 χ^2/NDF: 92.5/96

\- sign 0.014+/-0.013 χ^2/NDF: 45.5/49

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 67.117+/-0.018 χ^2/NDF: 5287340.2/21

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144680.9/26

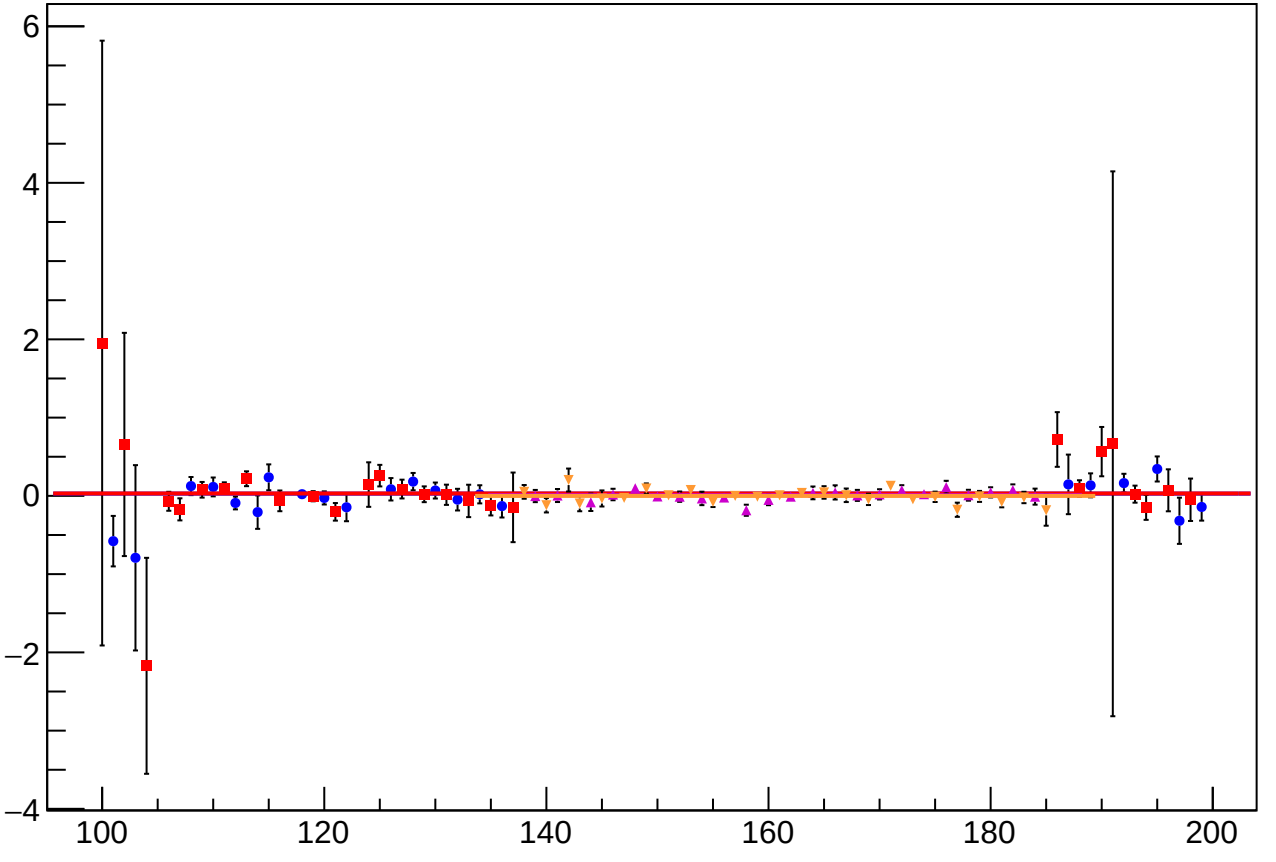
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 57.720+/-0.009 χ^2/NDF: 6927240.6/46

All: 59.527+/-0.006 χ^2/NDF: 13218165.7/96

- sign 61.470+/-0.009 χ^2/NDF: 6202462.8/49

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.4/26

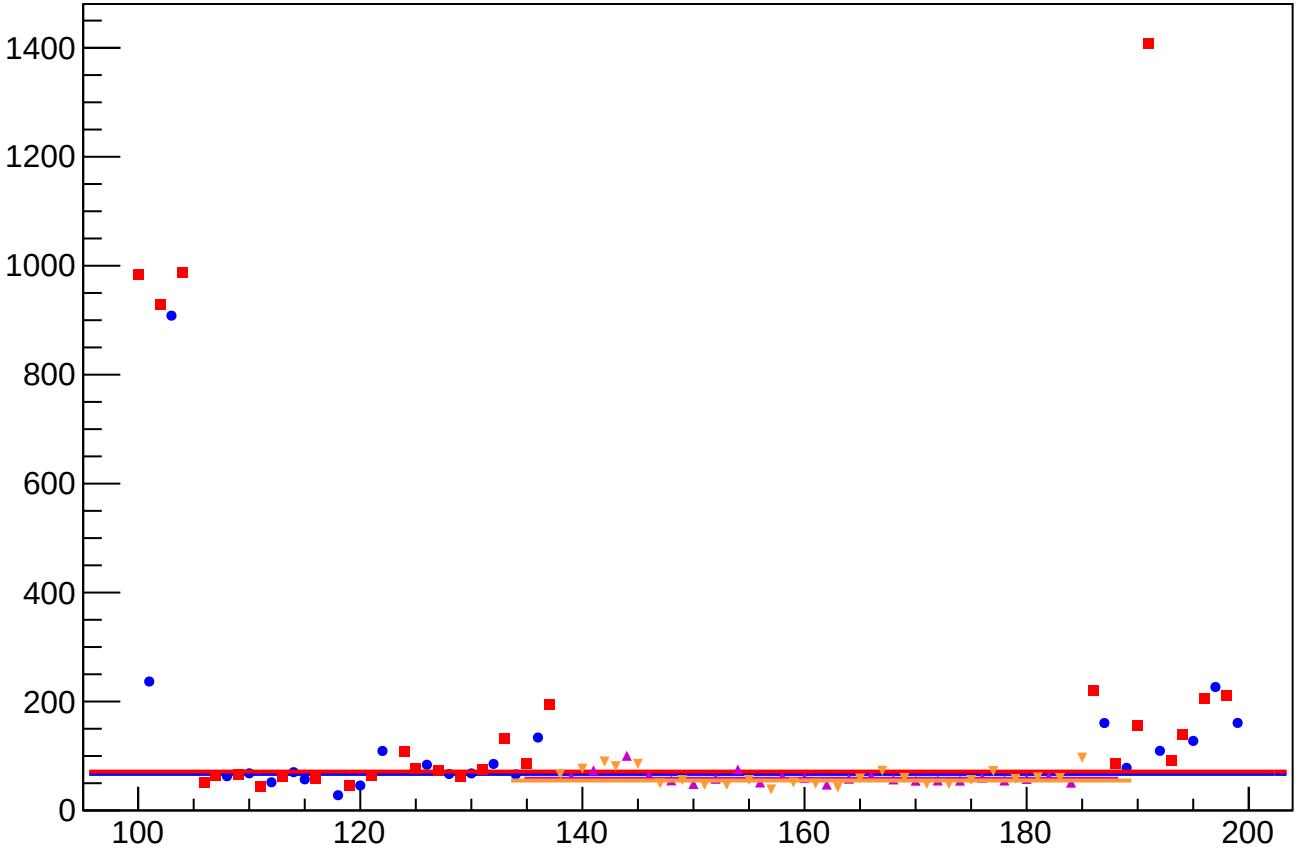
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 46.9/46

All: 0.010+/-0.009 χ^2/NDF: 92.5/96

- sign 0.014+/-0.013 χ^2/NDF: 45.5/49

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.117+/-0.018 χ^2/NDF: 5287340.2/21

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144680.9/26

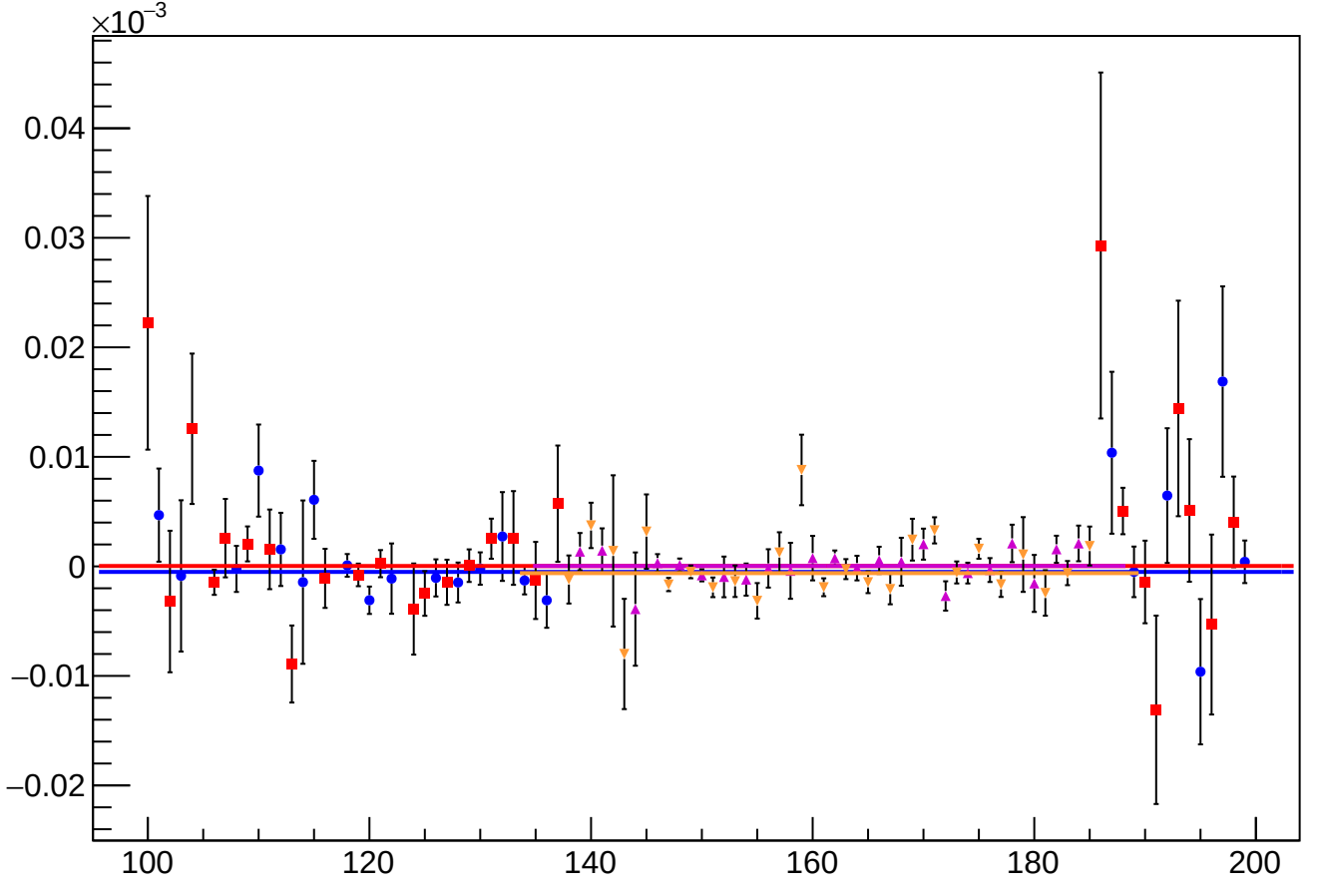
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 57.720+/-0.009 χ^2/NDF: 6927240.6/46

All: 59.527+/-0.006 χ^2/NDF: 13218165.7/96

- 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: 26.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/26

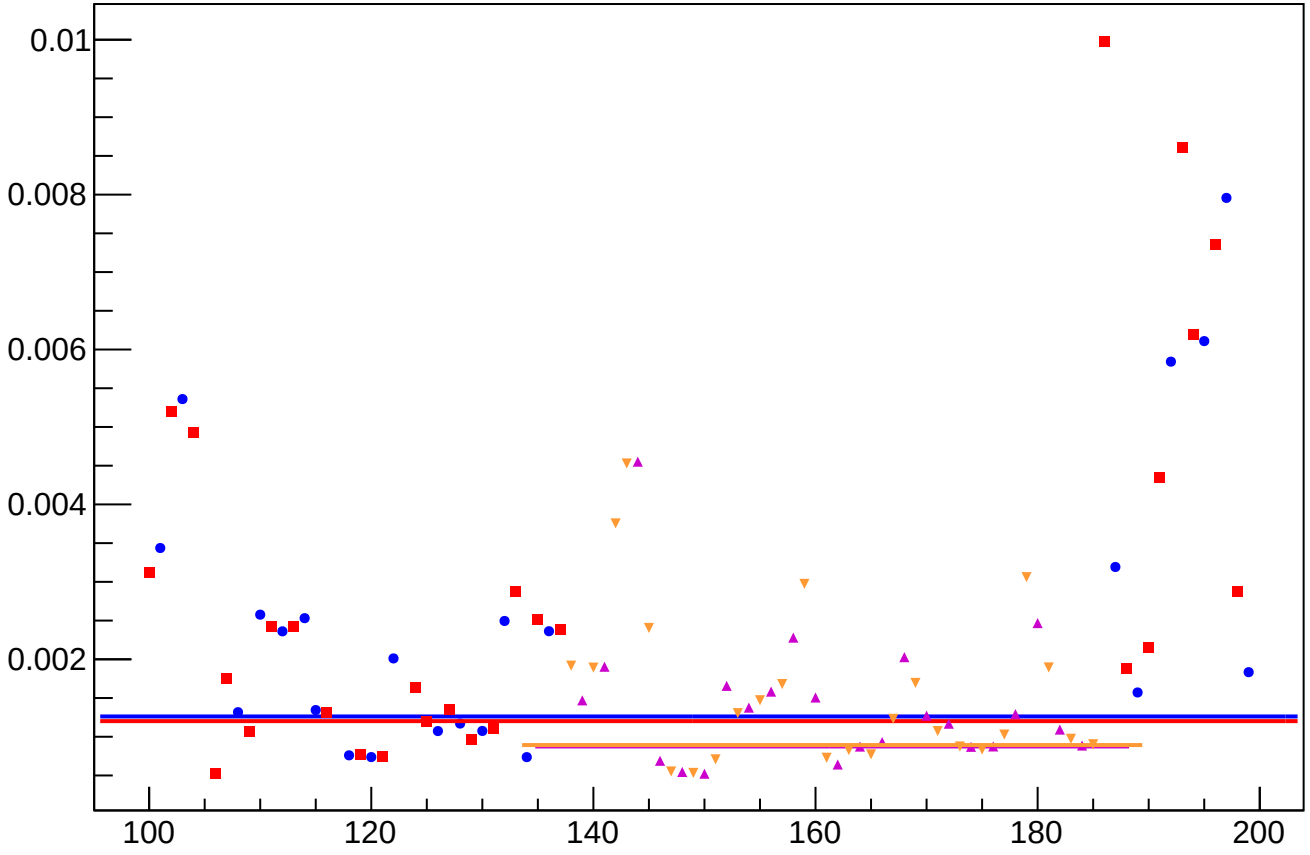
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.7/46

All: -0.000+/-0.000 χ^2/NDF: 143.1/96

- 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: 7316611.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9027333.0/26

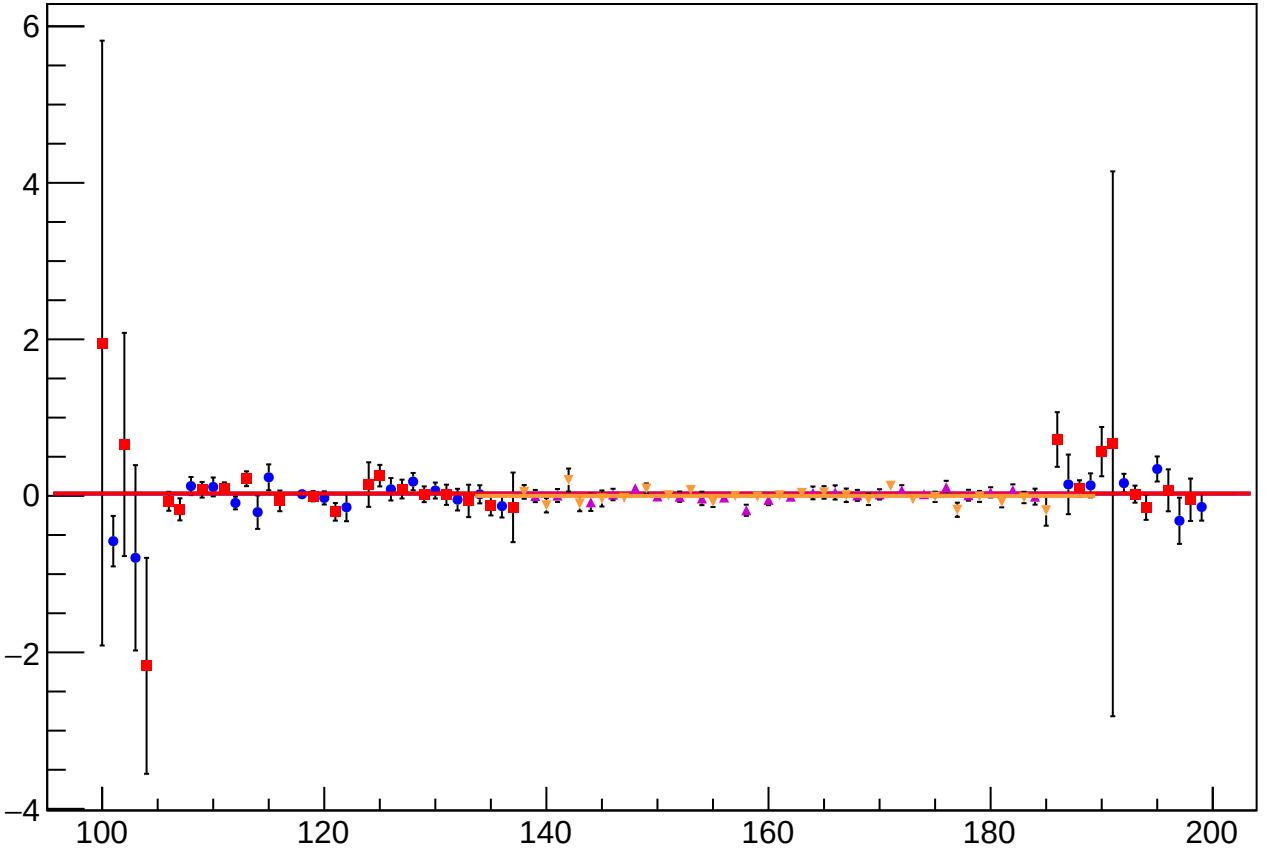
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 16075108.2/46

All: 0.001+/-0.000 χ^2/NDF: 32919224.7/96

- sign 0.001+/-0.000 χ^2/NDF: 16833650.0/49

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.4/26

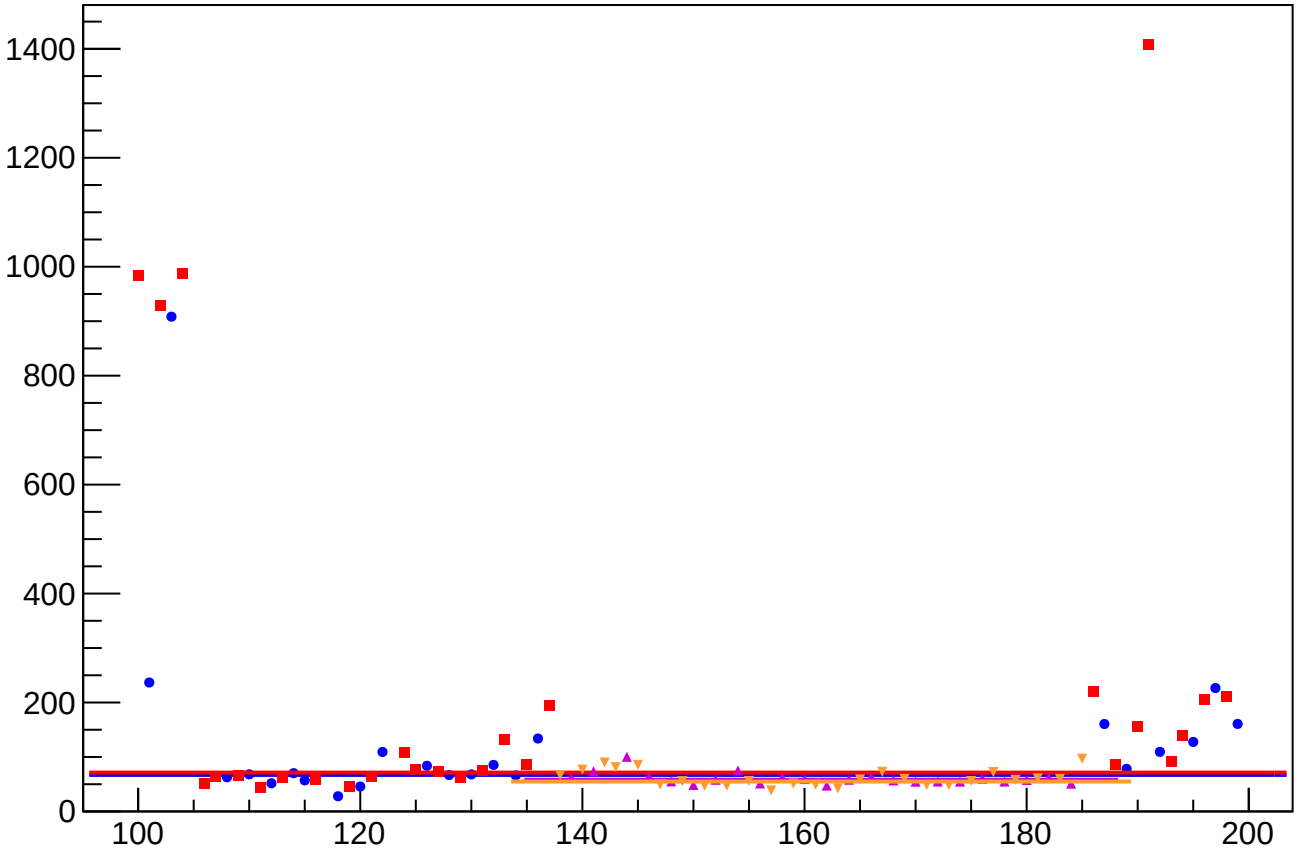
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.006+/-0.012 χ^2/NDF: 46.9/46

All: 0.010+/-0.009 χ^2/NDF: 92.5/96

\- sign 0.014+/-0.013 χ^2/NDF: 45.5/49

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.116+/-0.018 χ^2/NDF: 5287456.8/21

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144697.9/26

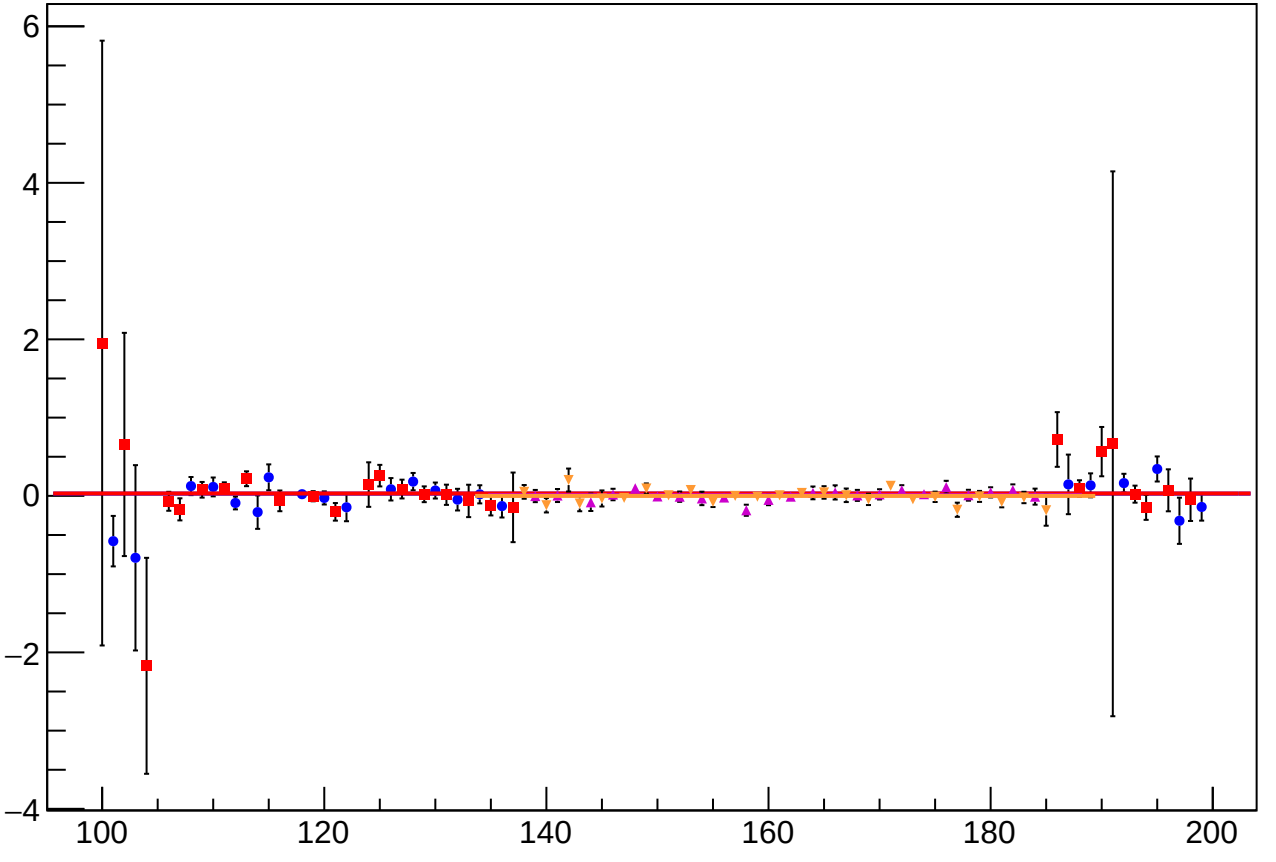
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 57.720+/-0.009 χ^2/NDF: 6927411.1/46

All: 59.527+/-0.006 χ^2/NDF: 13218381.7/96

- sign 61.470+/-0.009 χ^2/NDF: 6202484.7/49

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.4/26

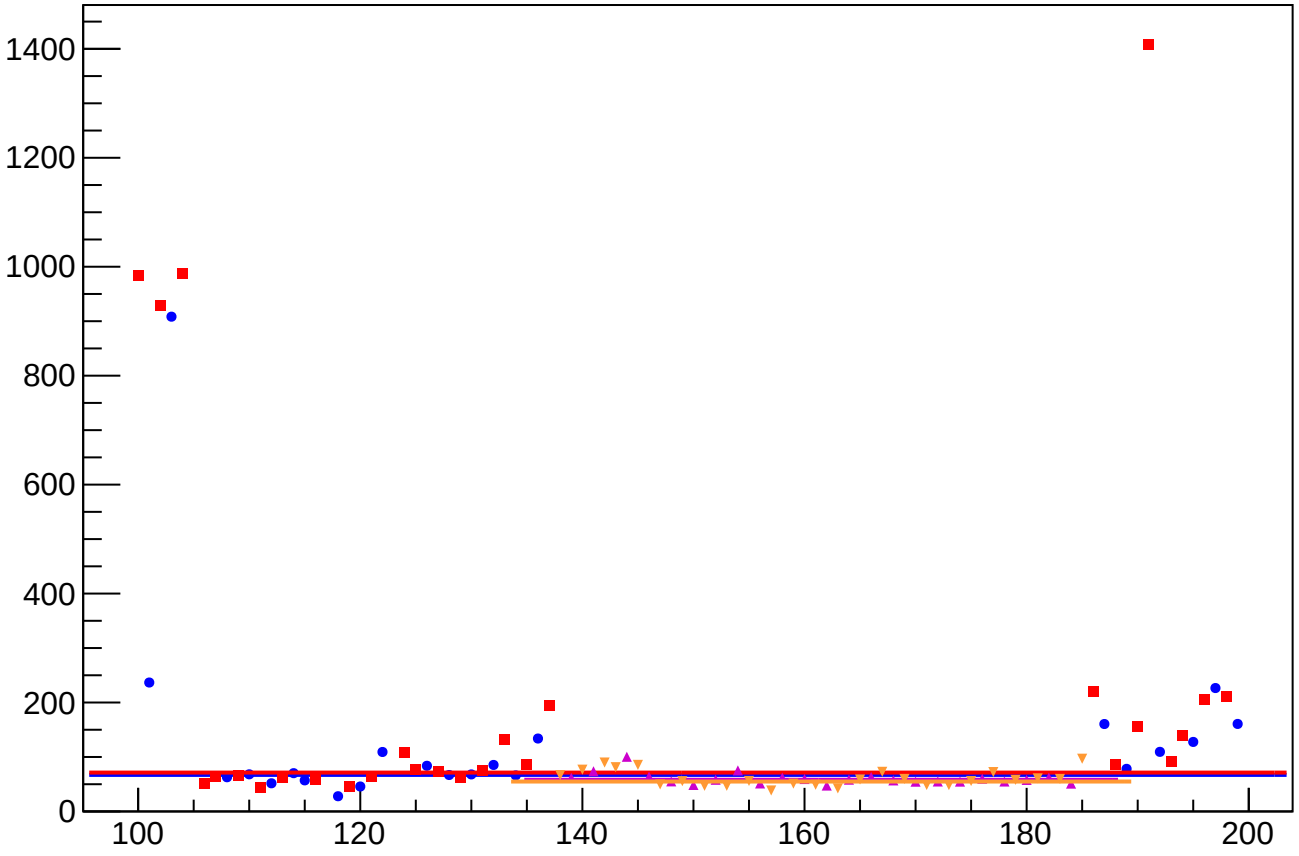
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.006+/-0.012 χ^2/NDF: 46.9/46

All: 0.010+/-0.009 χ^2/NDF: 92.5/96

\- sign 0.014+/-0.013 χ^2/NDF: 45.5/49

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.116+/-0.018 χ^2/NDF: 5287456.8/21

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144697.9/26

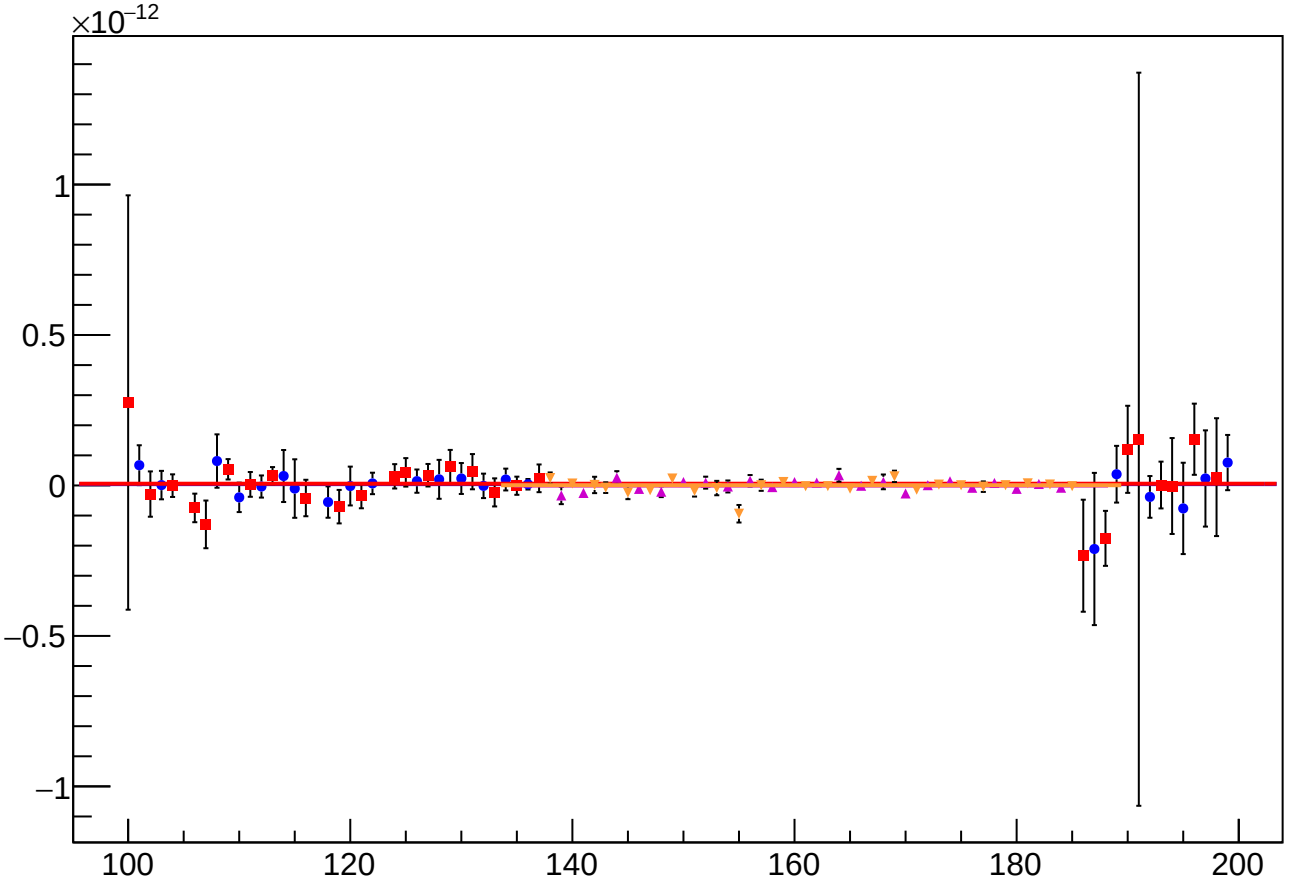
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 57.720+/-0.009 χ^2/NDF: 6927411.1/46

All: 59.527+/-0.006 χ^2/NDF: 13218381.7/96

- sign 61.470+/-0.009 χ^2/NDF: 6202484.7/49

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/26

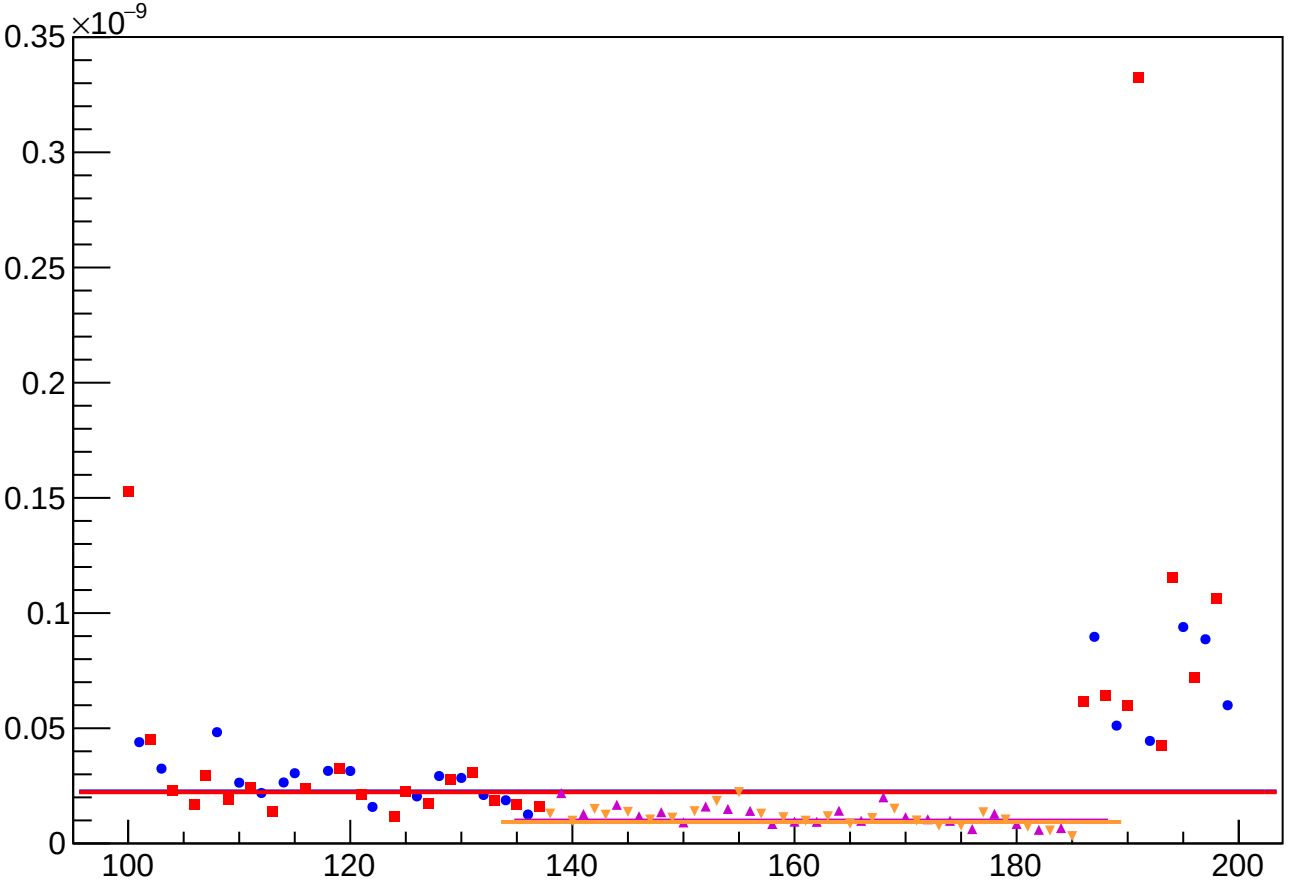
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/46

All: 0.000+/-0.000 χ^2/NDF: 76.6/96

- 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: 3036090.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3226088.6/26

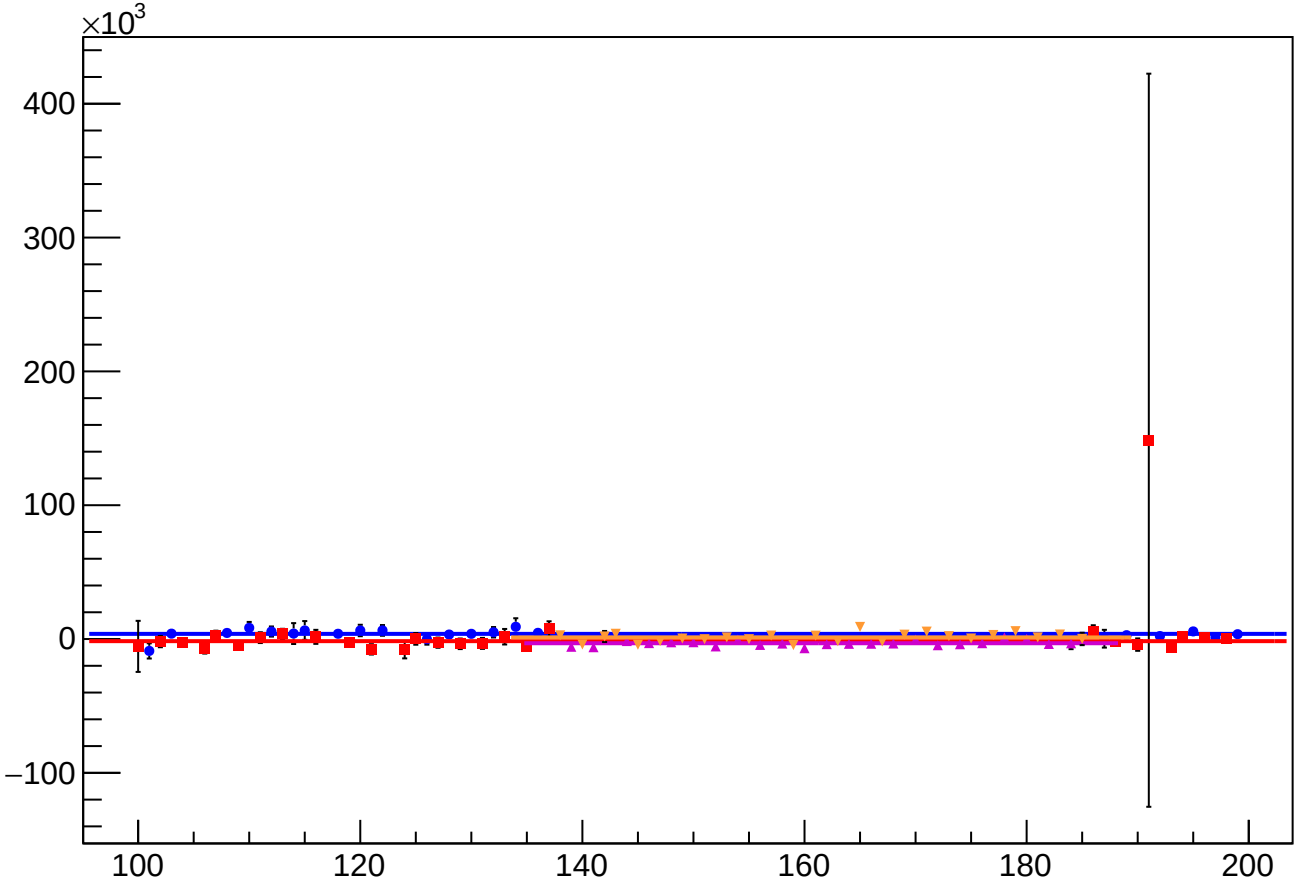
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9384225.4/46

All: 0.000+/-0.000 χ^2/NDF: 18101227.2/96

- sign 0.000+/-0.000 χ^2/NDF: 8655101.7/49

reg_asym_atr2_mean vs Slug



Right In: 3853.178+/-779.603 χ^2/NDF: 10.9/21

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1587.239+/-744.413 χ^2/NDF: 23.1/26

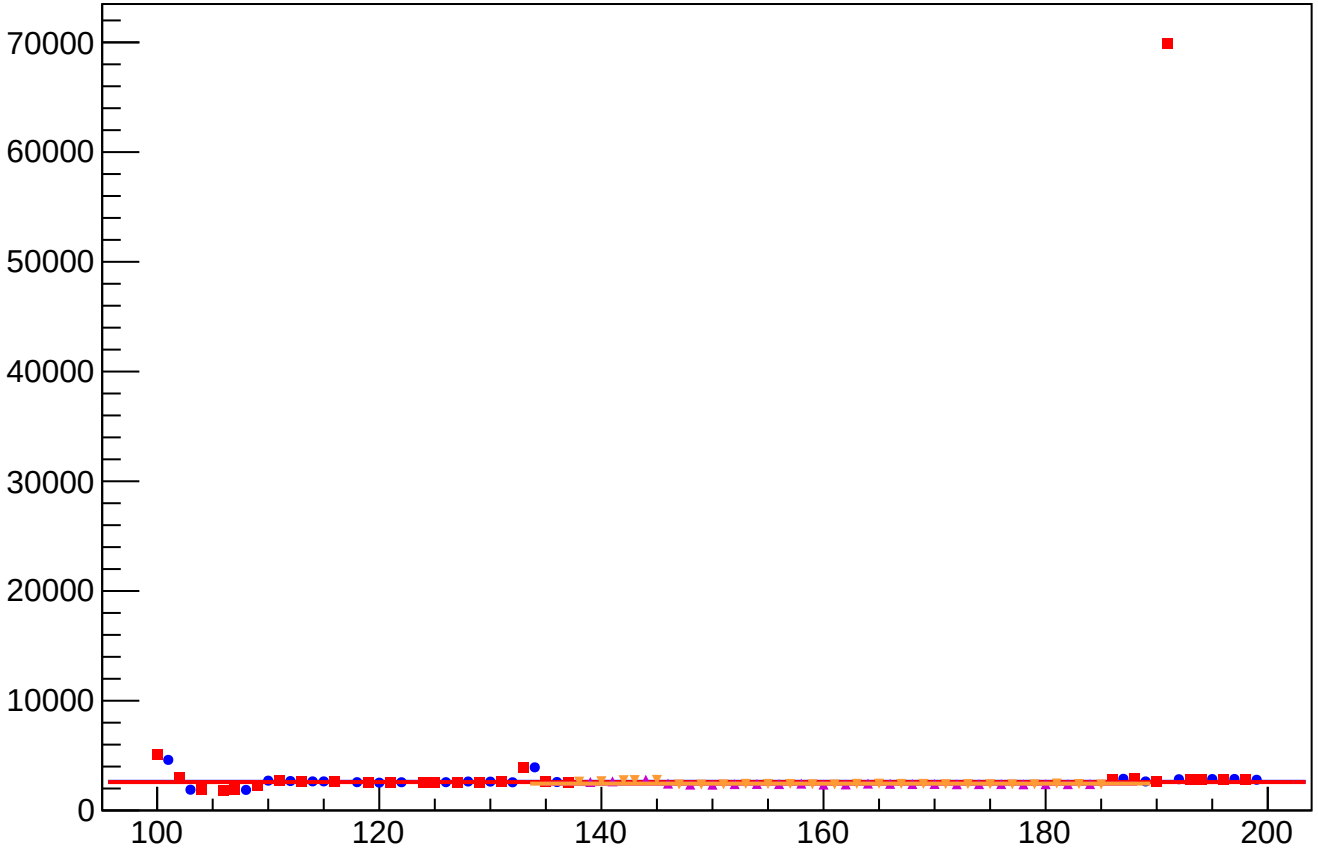
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2087.629+/-452.802 χ^2/NDF: 49.8/46

All: -245.292+/-319.958 χ^2/NDF: 141.4/96

- sign -2571.765+/-452.176 χ^2/NDF: 38.6/49

reg_asym_atr2_rms vs Slug



Right In: 2609.881+/-0.551 χ^2/NDF: 686590.1/21

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2585.453+/-0.526 χ^2/NDF: 709326.4/26

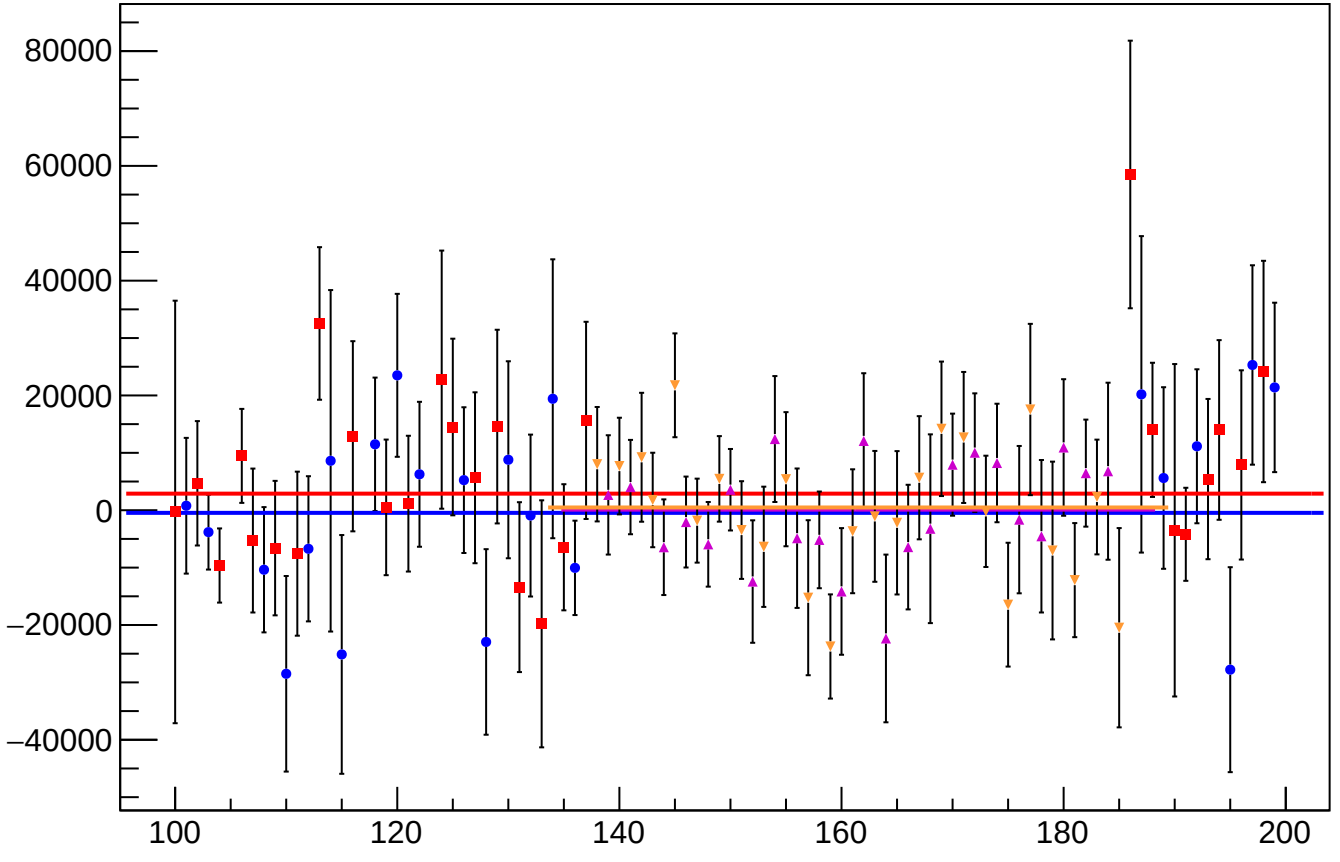
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2501.168+/-0.320 χ^2/NDF: 835293.9/46

All: 2496.133+/-0.226 χ^2/NDF: 1655208.7/96

- sign 2491.112+/-0.320 χ^2/NDF: 819420.8/49

asym_atr2_reg_correction_mean vs Slug



Right In: -458.685+/-2799.207 χ^2/NDF: 22.4/21

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2889.364+/-2469.171 χ^2/NDF: 26.2/26

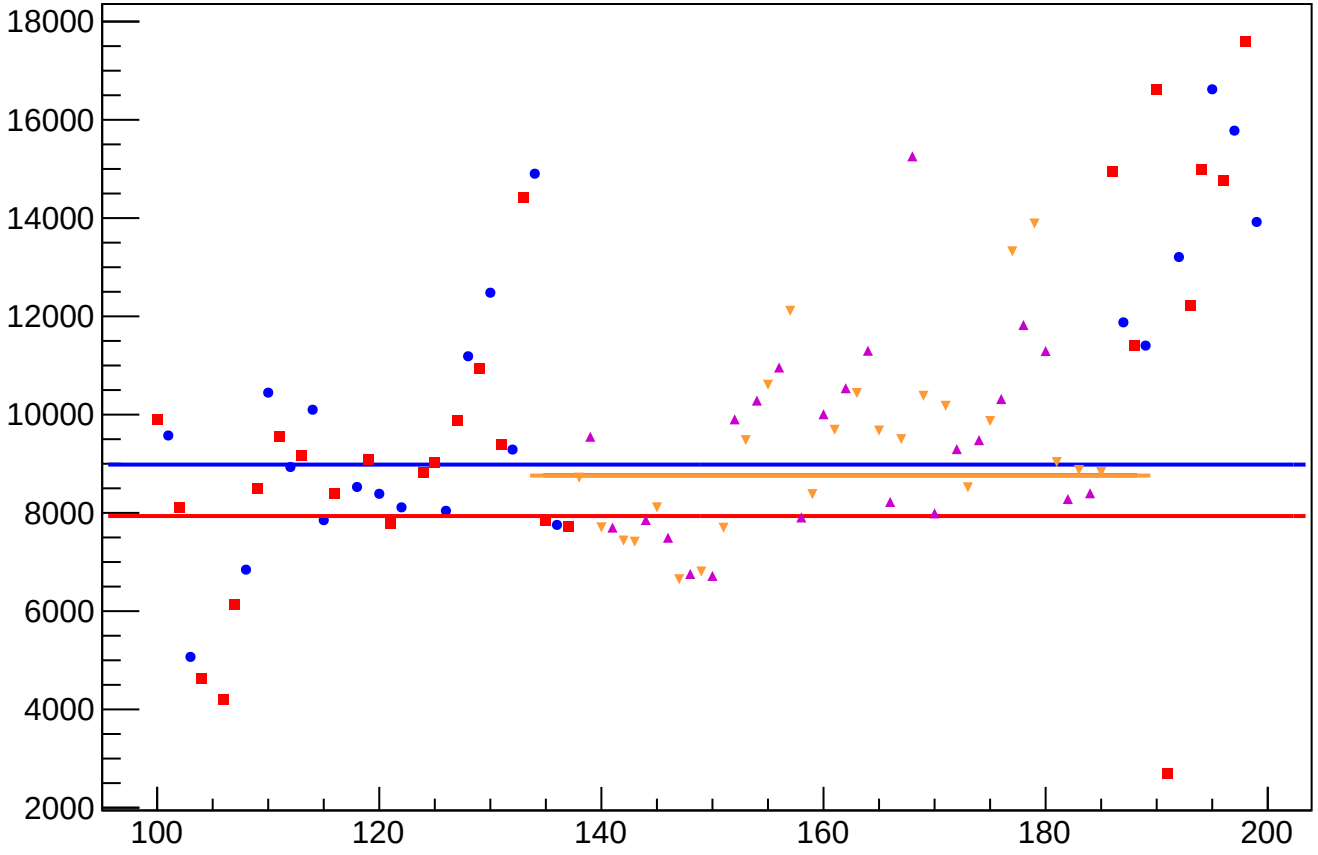
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 153.388+/-1646.510 χ^2/NDF: 49.9/46

All: 728.051+/-1145.855 χ^2/NDF: 91.5/96

- sign 1267.762+/-1595.653 χ^2/NDF: 41.4/49

asym_atr2_reg_correction_rms vs Slug



Right In: 8983.047+/-1.979 χ^2/NDF: 2299130.8/21

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 7935.757+/-1.746 χ^2/NDF: 4176933.4/26

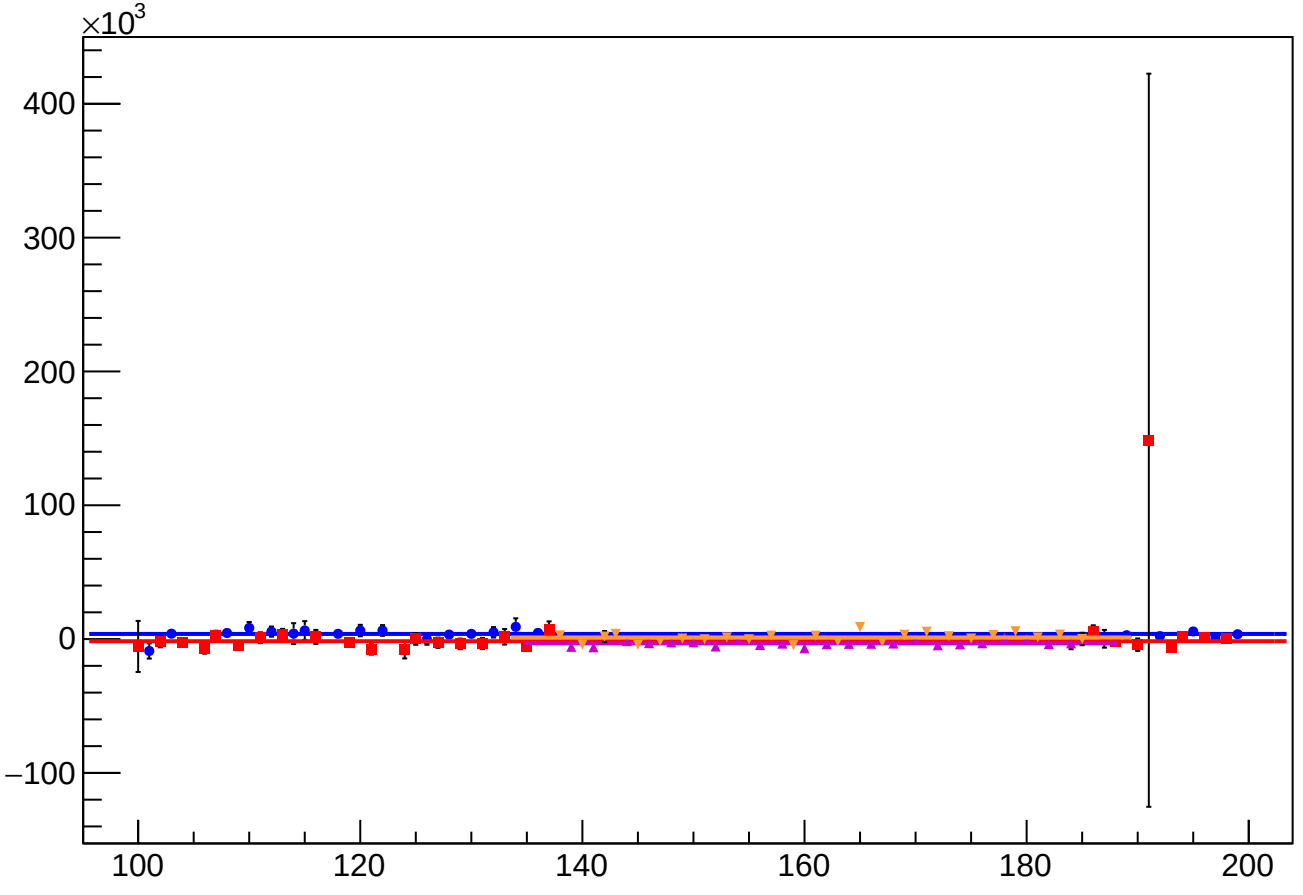
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8836.933+/-1.164 χ^2/NDF: 3529701.0/46

All: 8620.996+/-0.810 χ^2/NDF: 9196139.4/96

- sign 8418.194+/-1.128 χ^2/NDF: 5599731.6/49

cor_asym_atr2_mean vs Slug



Right In: 3852.921+/-779.603 χ^2/NDF: 10.9/21

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1587.641+/-744.416 χ^2/NDF: 23.1/26

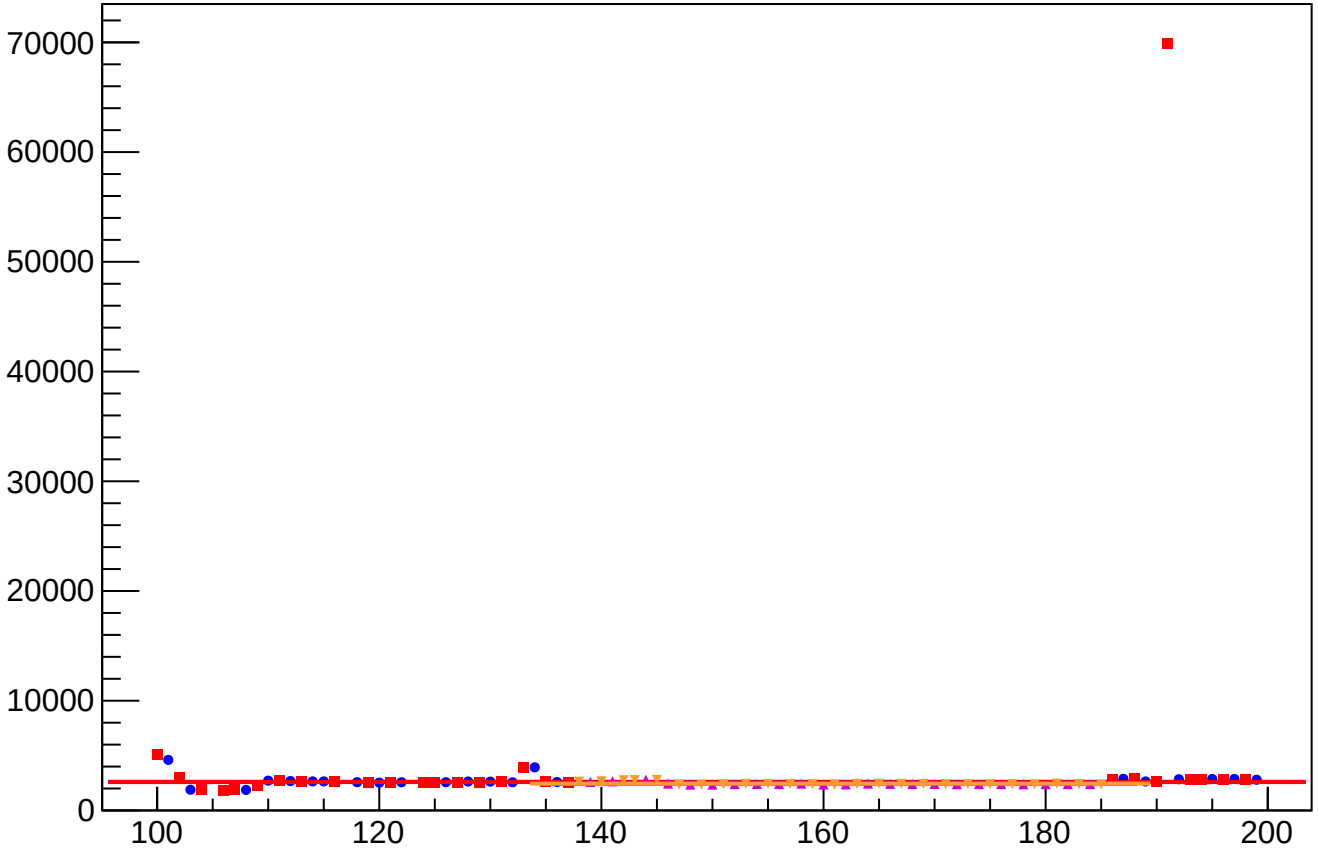
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2087.429+/-452.802 χ^2/NDF: 49.8/46

All: -245.402+/-319.958 χ^2/NDF: 141.4/96

- sign -2571.792+/-452.177 χ^2/NDF: 38.6/49

cor_asym_atr2_rms vs Slug



Right In: 2609.882+/-0.551 χ^2/NDF: 686587.4/21

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

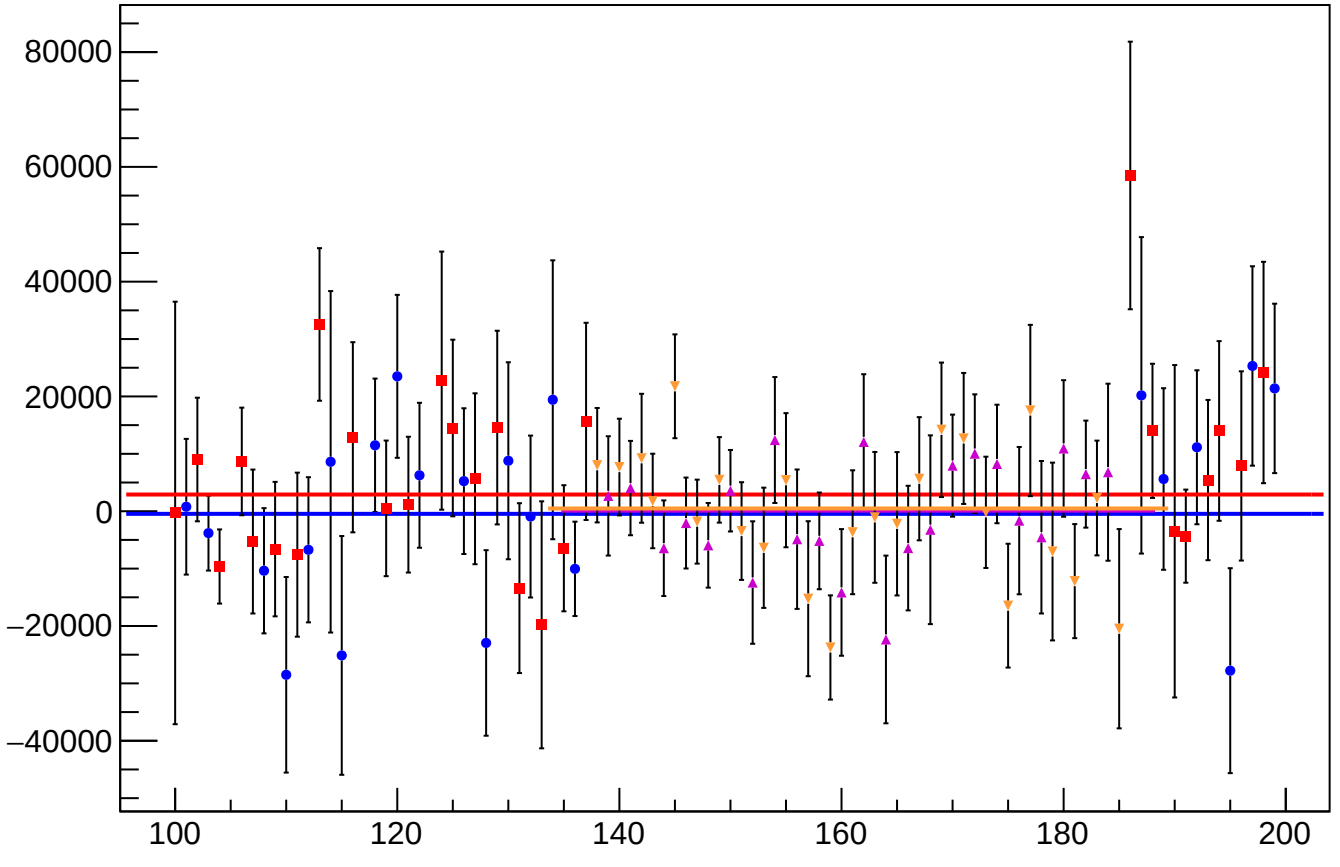
Right Out: 2585.470+/-0.526 χ^2/NDF: 709255.7/26

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2501.169+/-0.320 χ^2/NDF: 835291.7/46

All: 2496.136+/-0.226 χ^2/NDF: 1655146.6/96

- sign 2491.118+/-0.320 χ^2/NDF: 819361.6/49



Right In: -458.350+/-2799.273 χ^2/NDF: 22.4/21

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2907.742+/-2495.585 χ^2/NDF: 26.2/26

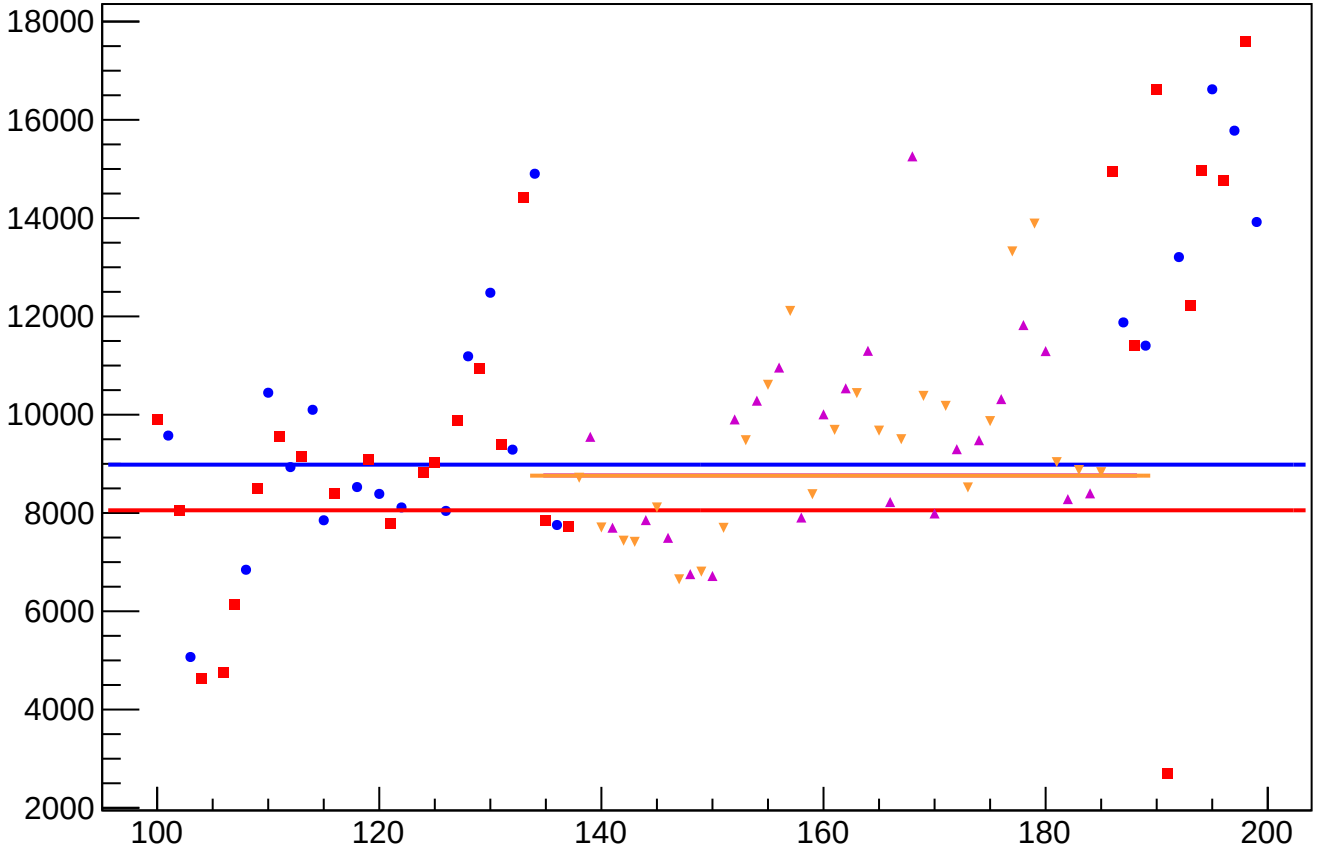
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 153.522+/-1646.523 χ^2/NDF: 49.9/46

All: 722.188+/-1148.466 χ^2/NDF: 91.6/96

- sign 1260.996+/-1602.715 χ^2/NDF: 41.5/49

asym_atr2_cor_correction_rms vs Slug



Right In: 8983.363+/-1.979 χ^2/NDF: 2298685.1/21

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8054.553+/-1.765 χ^2/NDF: 3983463.9/26

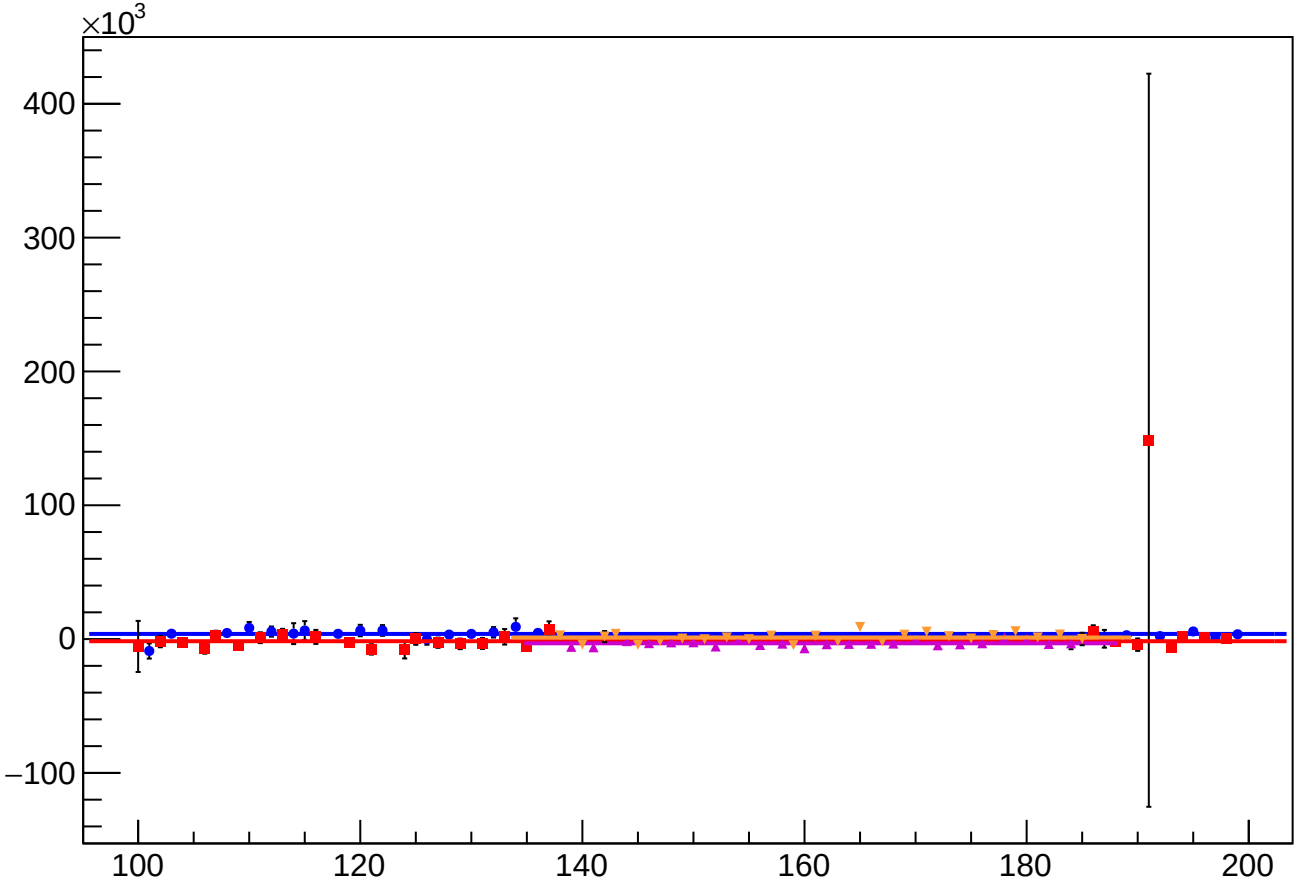
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8837.033+/-1.164 χ^2/NDF: 3529290.2/46

All: 8649.323+/-0.812 χ^2/NDF: 8950079.9/96

- sign 8471.468+/-1.133 χ^2/NDF: 5370166.8/49

eigen_cor_asym_atr2_mean vs Slug



Right In: 3852.921+/-779.603 χ^2/NDF: 10.9/21

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1587.641+/-744.416 χ^2/NDF: 23.1/26

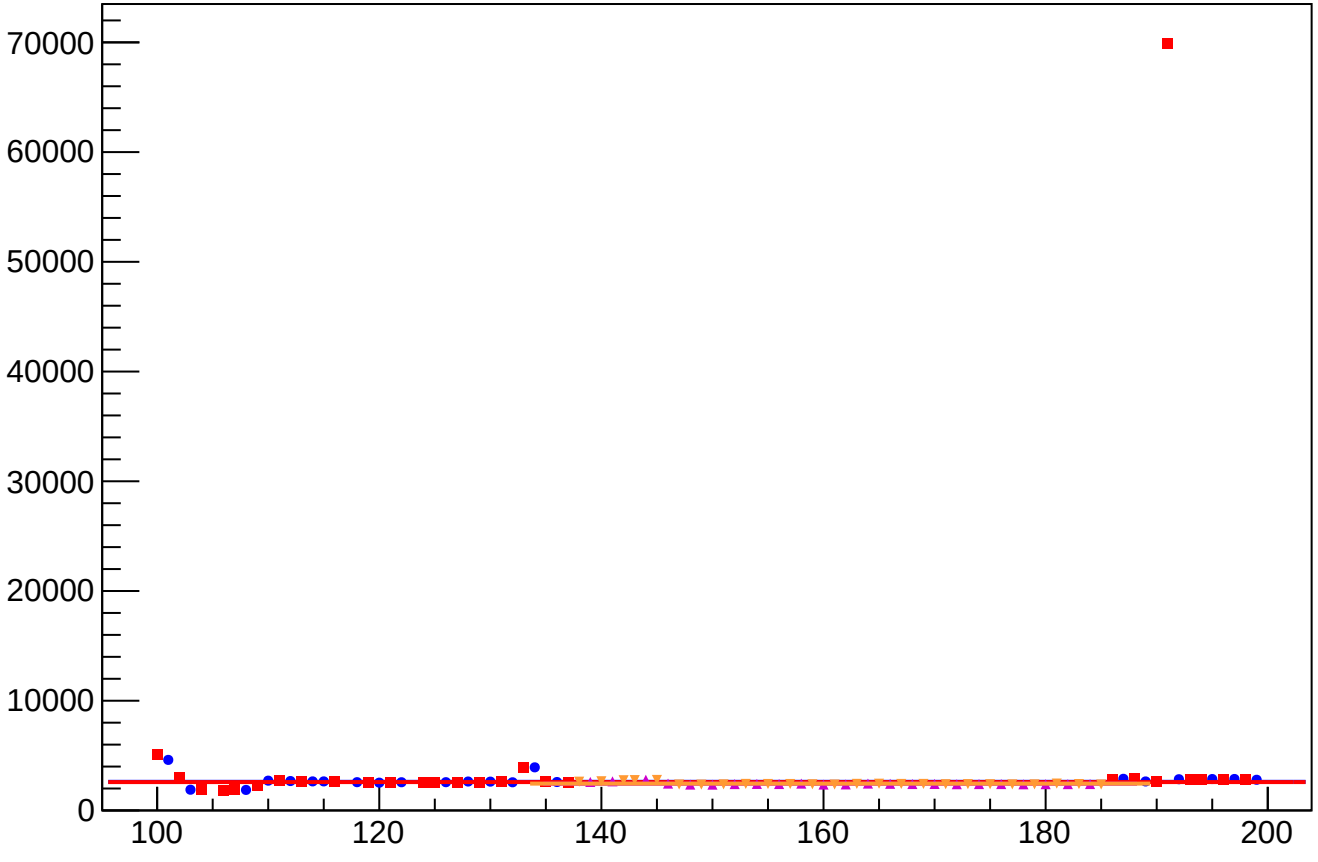
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2087.429+/-452.802 χ^2/NDF: 49.8/46

All: -245.402+/-319.958 χ^2/NDF: 141.4/96

- sign -2571.792+/-452.177 χ^2/NDF: 38.6/49

eigen_cor_asym_atr2_rms vs Slug



Right In: 2609.882+/-0.551 χ^2/NDF: 686587.4/21

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2585.470+/-0.526 χ^2/NDF: 709255.7/26

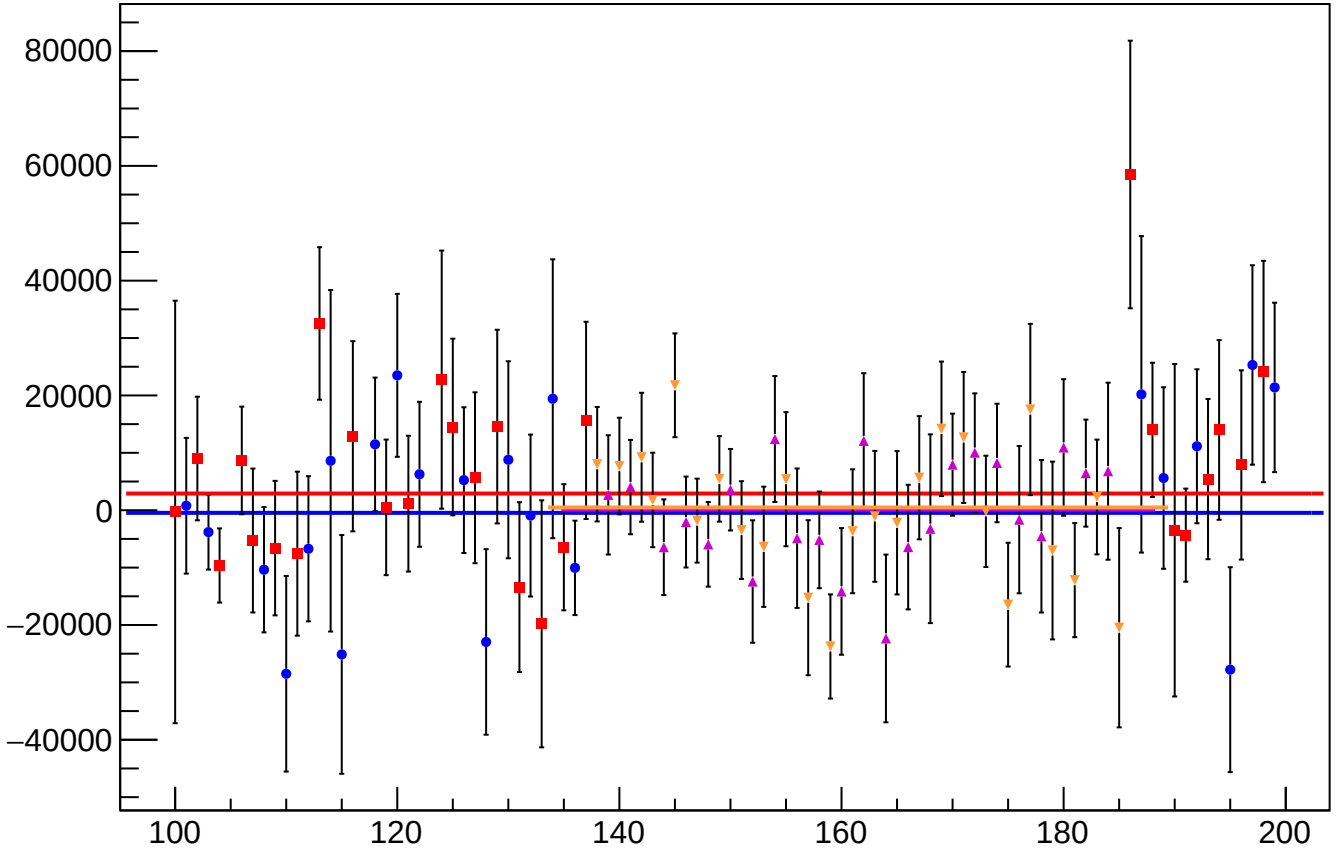
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2501.169+/-0.320 χ^2/NDF: 835291.7/46

All: 2496.136+/-0.226 χ^2/NDF: 1655146.6/96

- sign 2491.118+/-0.320 χ^2/NDF: 819361.6/49

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -458.350+/-2799.273 χ^2/NDF: 22.4/21

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2907.742+/-2495.585 χ^2/NDF: 26.2/26

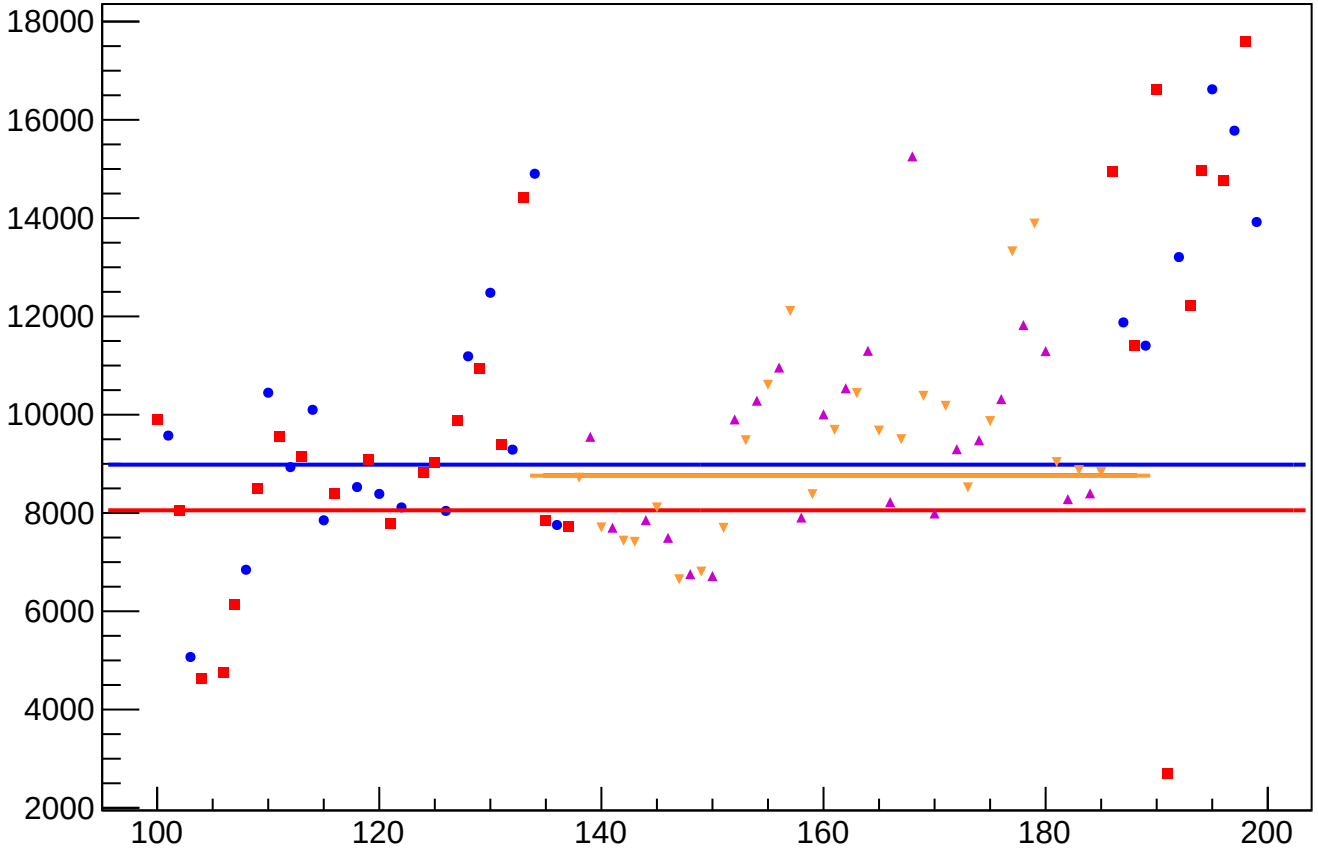
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 153.522+/-1646.523 χ^2/NDF: 49.9/46

All: 722.188+/-1148.466 χ^2/NDF: 91.6/96

- sign 1260.996+/-1602.715 χ^2/NDF: 41.5/49

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 8983.363+/-1.979 χ^2/NDF: 2298685.1/21

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8054.553+/-1.765 χ^2/NDF: 3983463.9/26

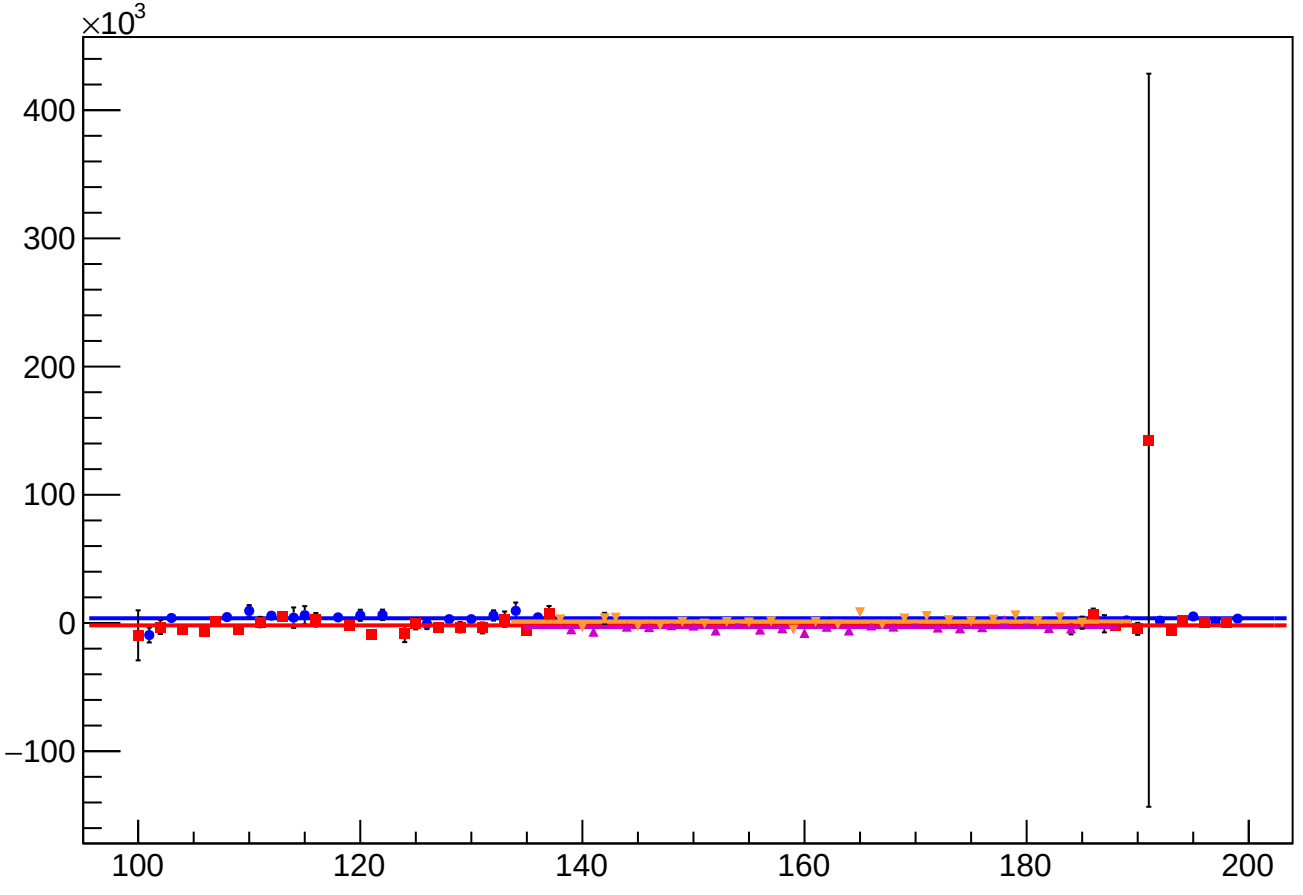
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8837.033+/-1.164 χ^2/NDF: 3529290.2/46

All: 8649.323+/-0.812 χ^2/NDF: 8950079.9/96

- sign 8471.468+/-1.133 χ^2/NDF: 5370166.8/49

dit_asym_atr2_mean vs Slug



Right In: 3692.101+/-807.126 χ^2/NDF: 12.3/21

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1828.427+/-772.723 χ^2/NDF: 26.5/26

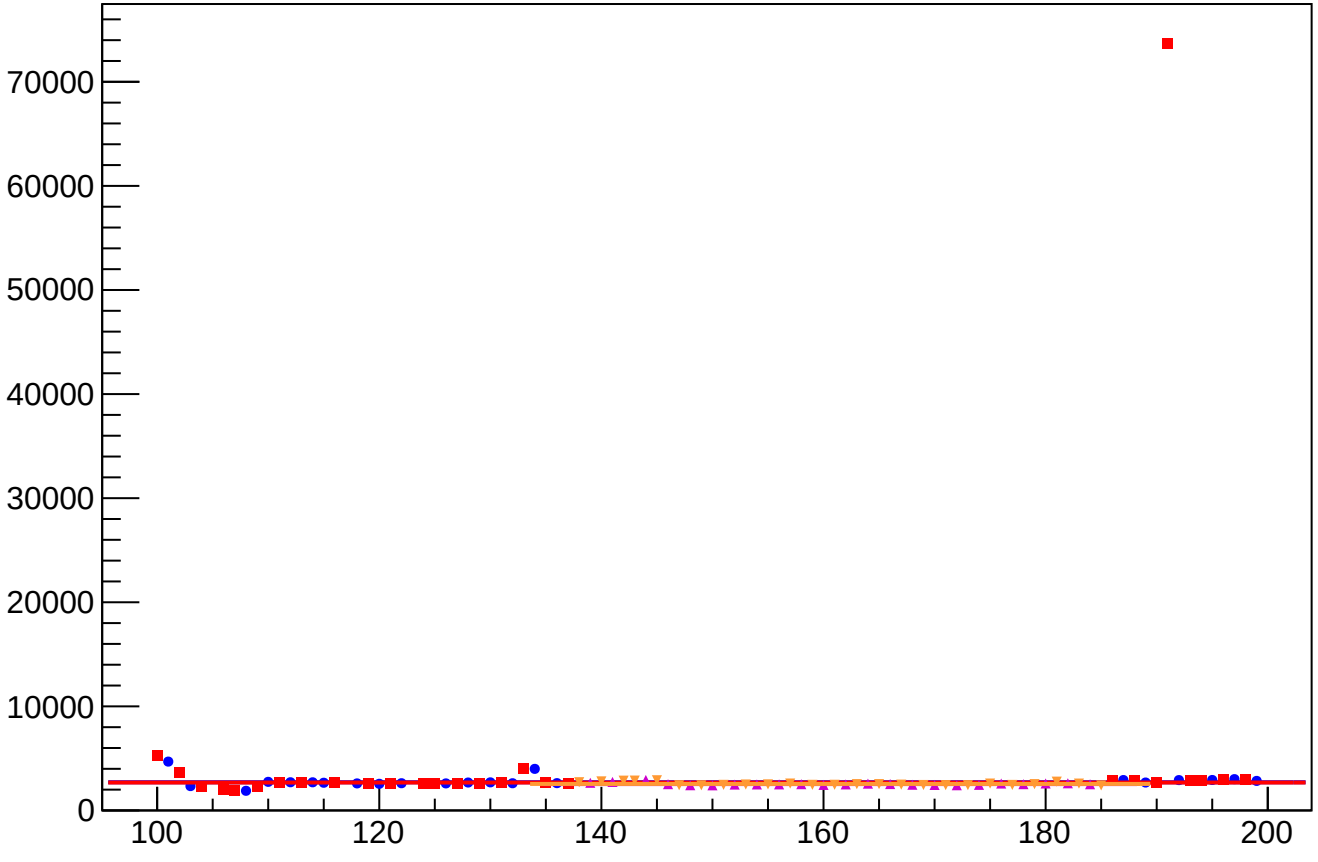
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2057.213+/-470.838 χ^2/NDF: 45.3/46

All: -306.239+/-332.635 χ^2/NDF: 140.5/96

- sign -2661.252+/-469.997 χ^2/NDF: 44.8/49

dit_asym_atr2_rms vs Slug



Right In: 2709.970+/-0.571 χ^2/NDF: 543929.9/21

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2682.796+/-0.546 χ^2/NDF: 620782.8/26

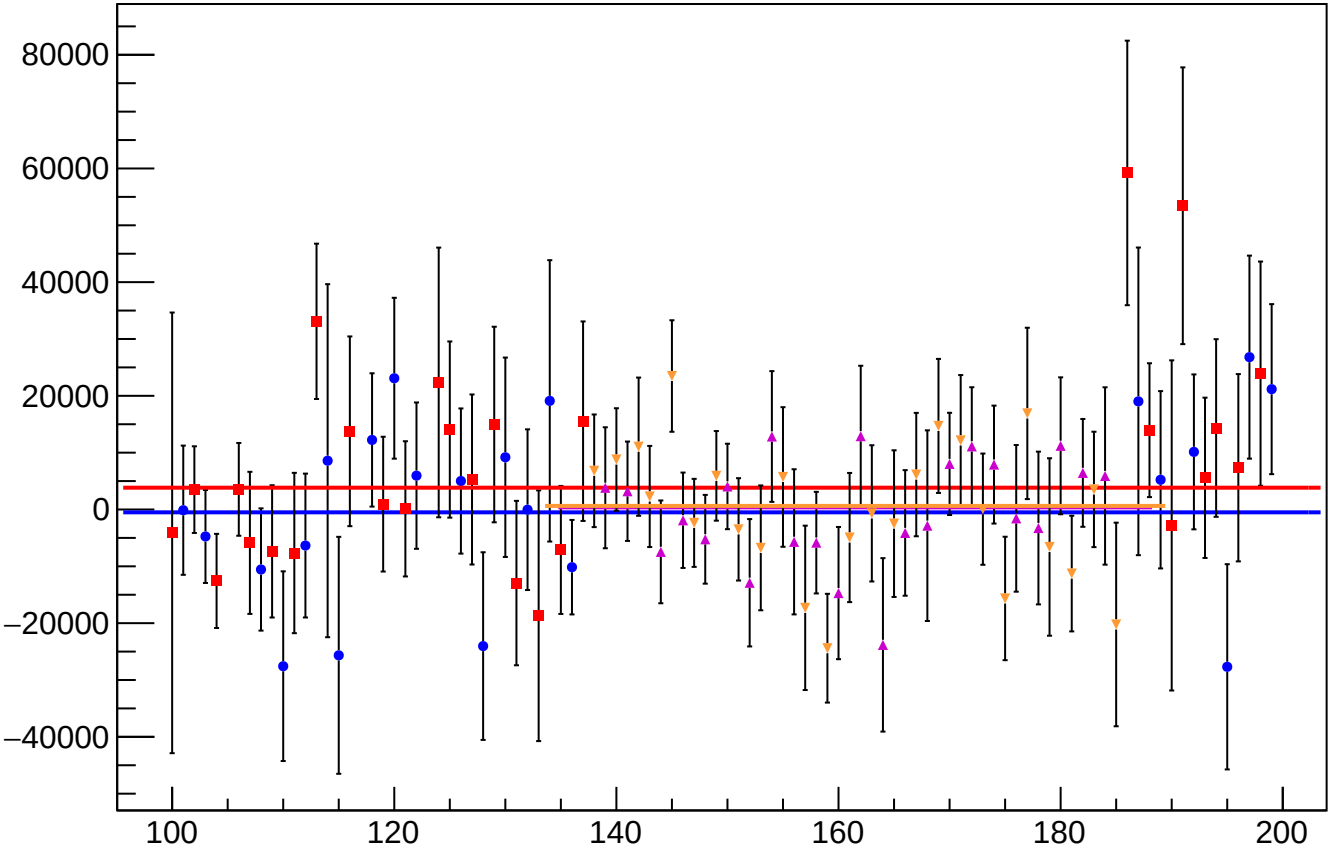
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2602.560+/-0.333 χ^2/NDF: 714917.7/46

All: 2595.416+/-0.235 χ^2/NDF: 1452581.3/96

- sign 2588.299+/-0.332 χ^2/NDF: 736744.5/49

asym_atr2_dit_correction_mean vs Slug



Right In: -501.479+/-2905.111 χ^2/NDF: 22.2/21

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 3834.508+/-2595.308 χ^2/NDF: 28.7/26

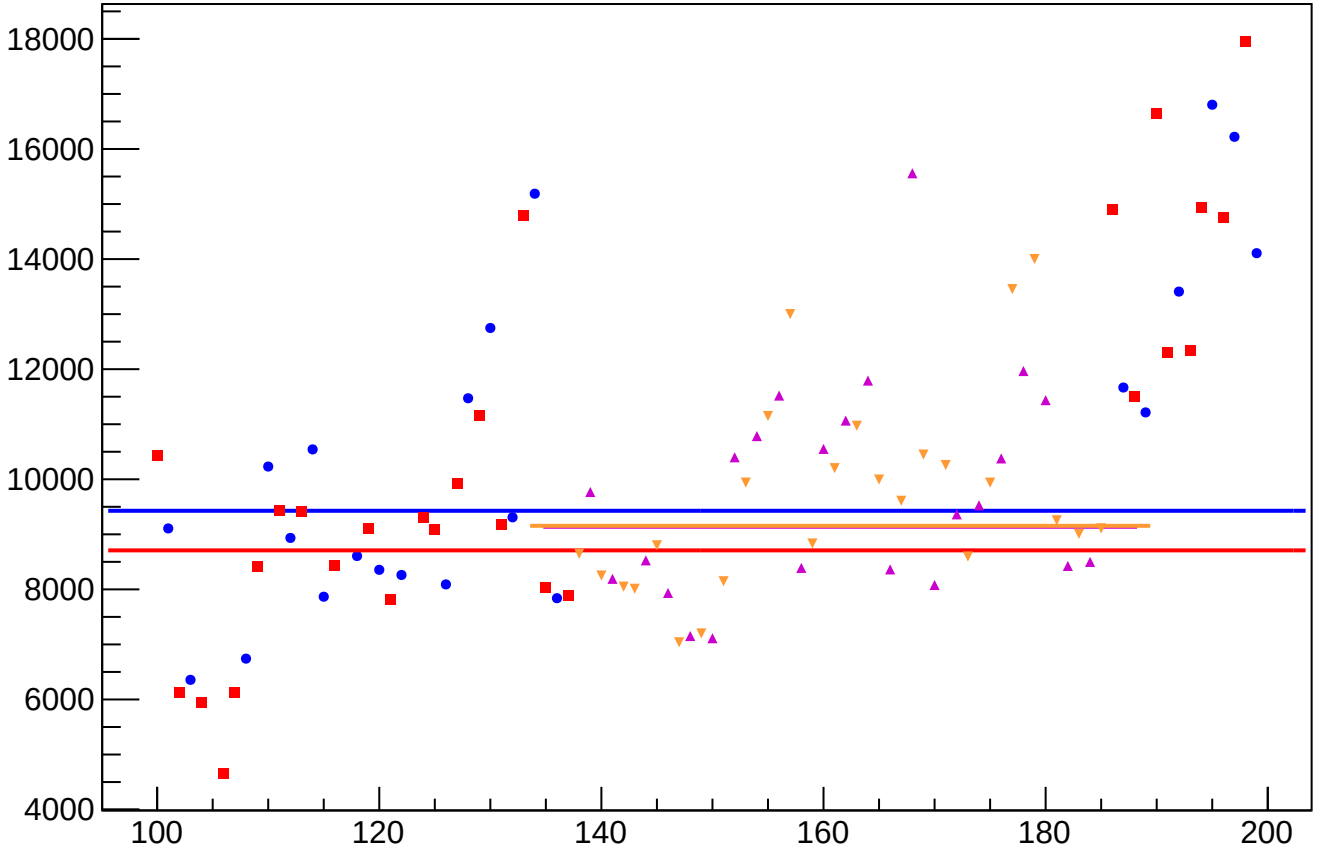
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 236.964+/-1714.135 χ^2/NDF: 49.0/46

All: 1042.570+/-1195.289 χ^2/NDF: 93.3/96

- sign 1805.041+/-1667.613 χ^2/NDF: 44.0/49

asym_atr2_dit_correction_rms vs Slug



Right In: 9427.817+/-2.054 χ^2/NDF: 1802527.0/21

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

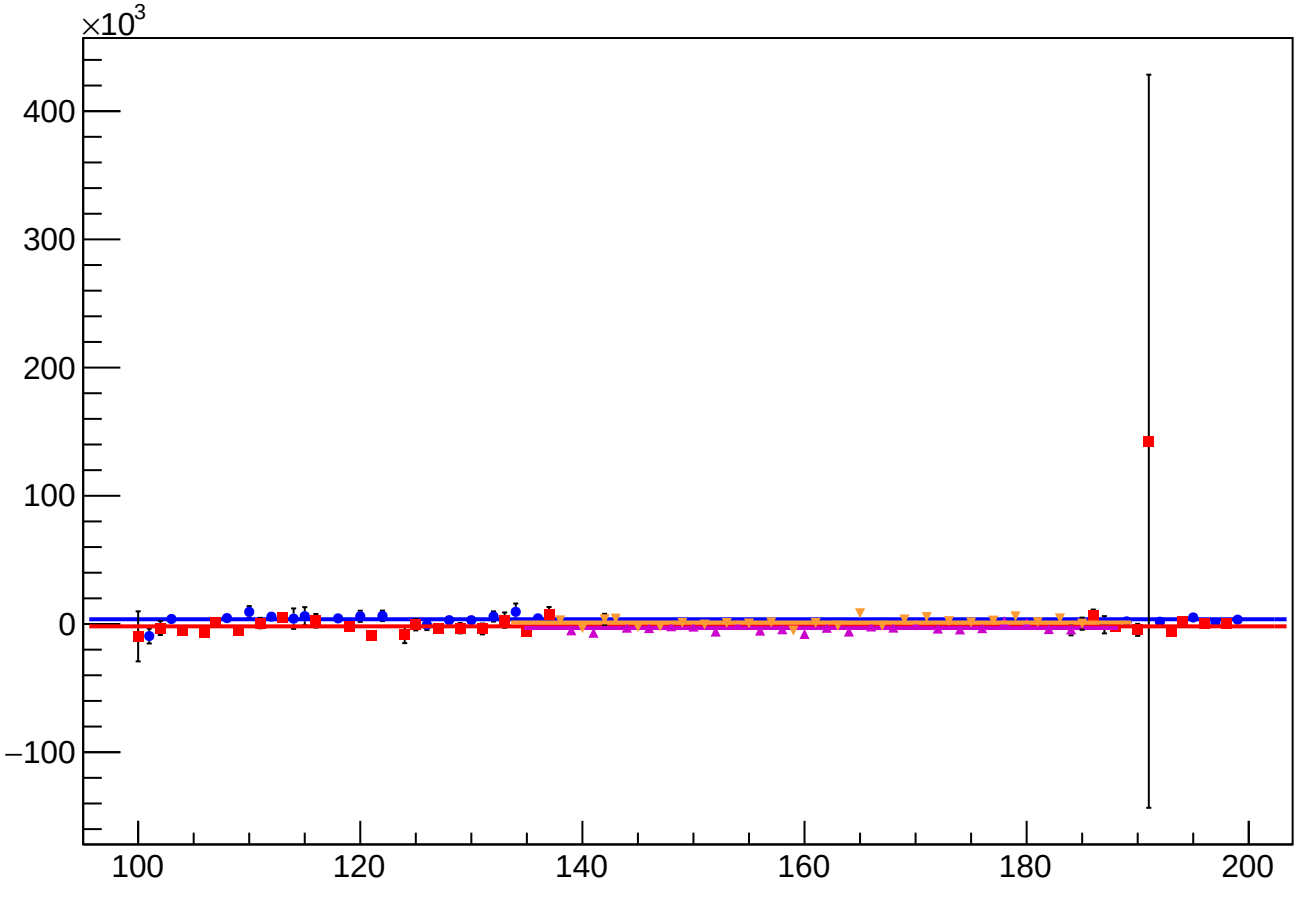
Right Out: 8708.600+/-1.835 χ^2/NDF: 2889637.6/26

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9249.778+/-1.212 χ^2/NDF: 2886124.6/46

All: 9101.142+/-0.845 χ^2/NDF: 7009906.2/96

- sign 8960.465+/-1.179 χ^2/NDF: 4094511.1/49



Right In: 3692.106+/-807.126 χ^2/NDF: 12.3/21

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1828.431+/-772.723 χ^2/NDF: 26.5/26

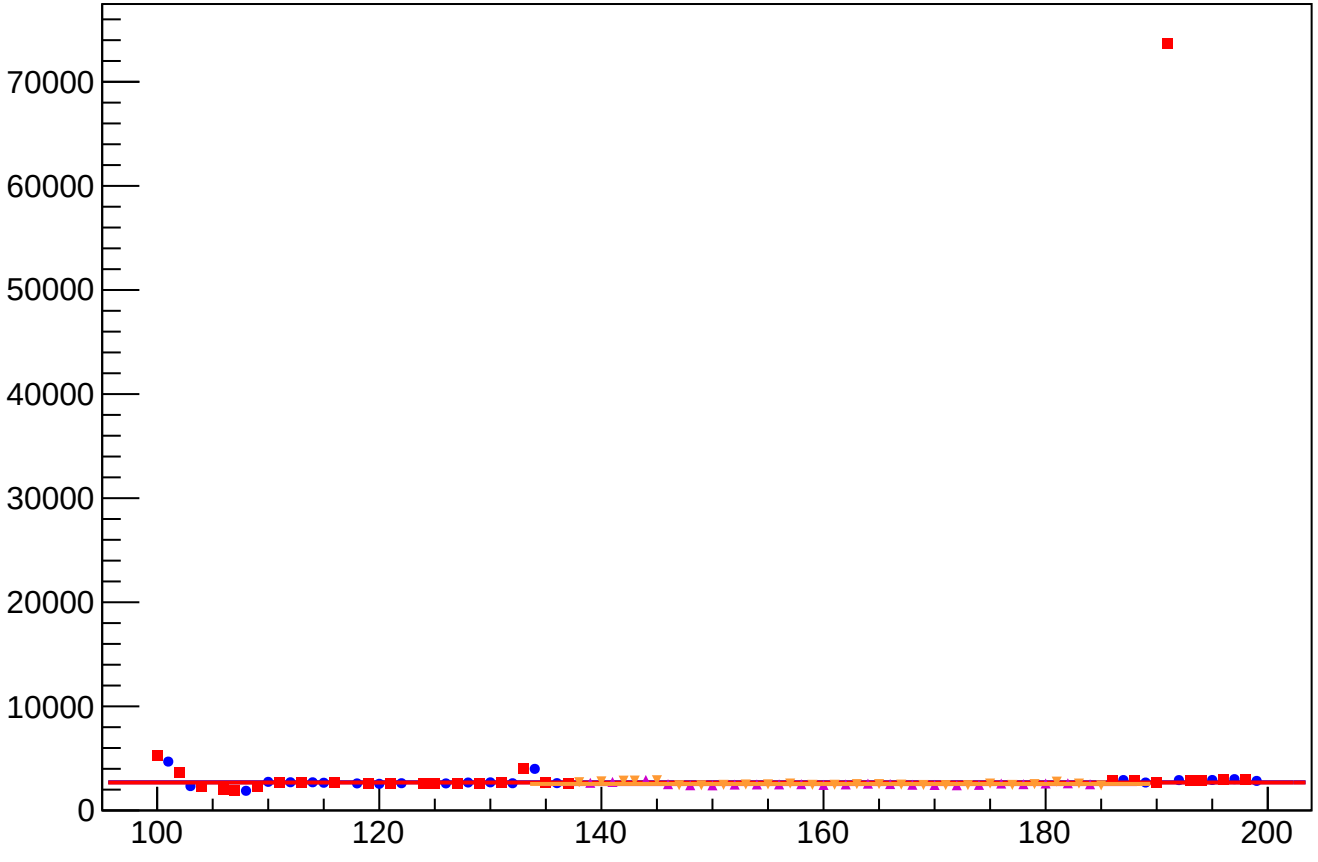
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2057.208+/-470.838 χ^2/NDF: 45.3/46

All: -306.241+/-332.635 χ^2/NDF: 140.5/96

- sign -2661.252+/-469.997 χ^2/NDF: 44.8/49

eigen_dit_asym_atr2_rms vs Slug



Right In: 2709.969+/-0.571 χ^2/NDF: 543930.4/21

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

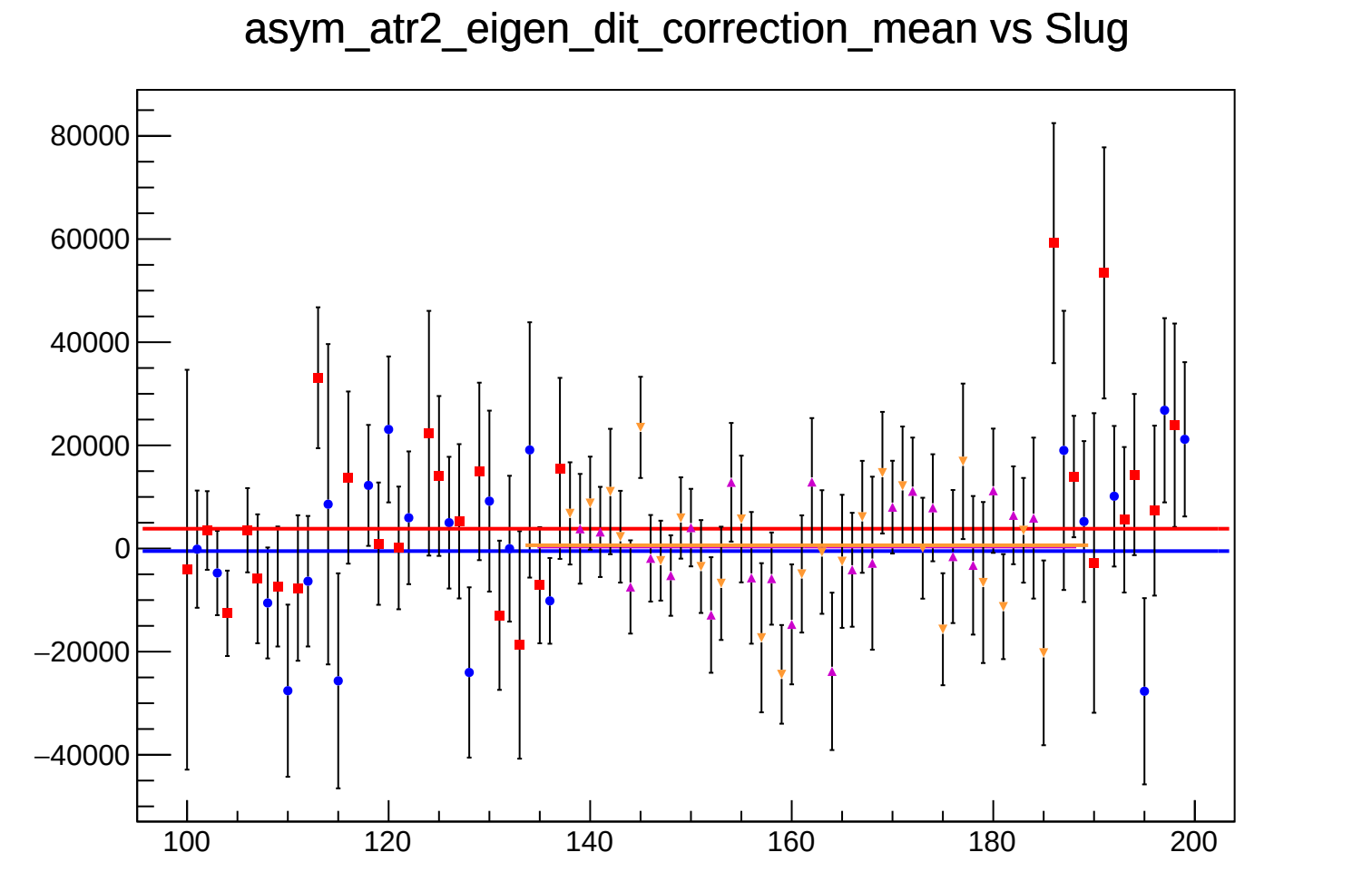
Right Out: 2682.795+/-0.546 χ^2/NDF: 620782.5/26

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2602.561+/-0.333 χ^2/NDF: 714916.5/46

All: 2595.417+/-0.235 χ^2/NDF: 1452578.4/96

- sign 2588.301+/-0.332 χ^2/NDF: 736742.8/49



Right In: -501.456+/-2905.108 χ^2/NDF: 22.2/21

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 3834.495+/-2595.304 χ^2/NDF: 28.7/26

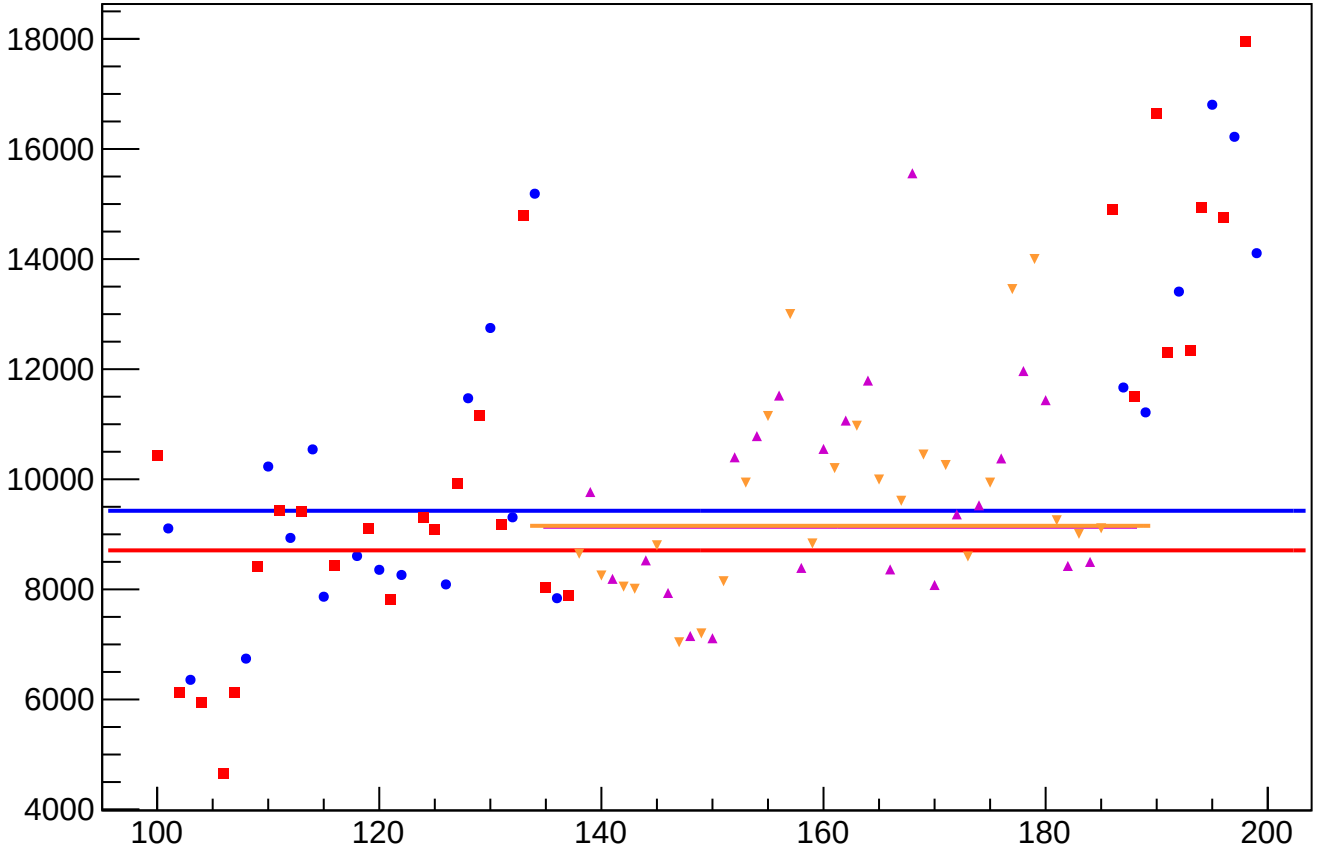
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign 236.968+/-1714.136 χ^2/NDF: 49.0/46

All: 1042.573+/-1195.290 χ^2/NDF: 93.3/96

- sign 1805.044+/-1667.614 χ^2/NDF: 44.0/49

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 9427.808+/-2.054 χ^2/NDF: 1802531.0/21

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 8708.588+/-1.835 χ^2/NDF: 2889642.9/26

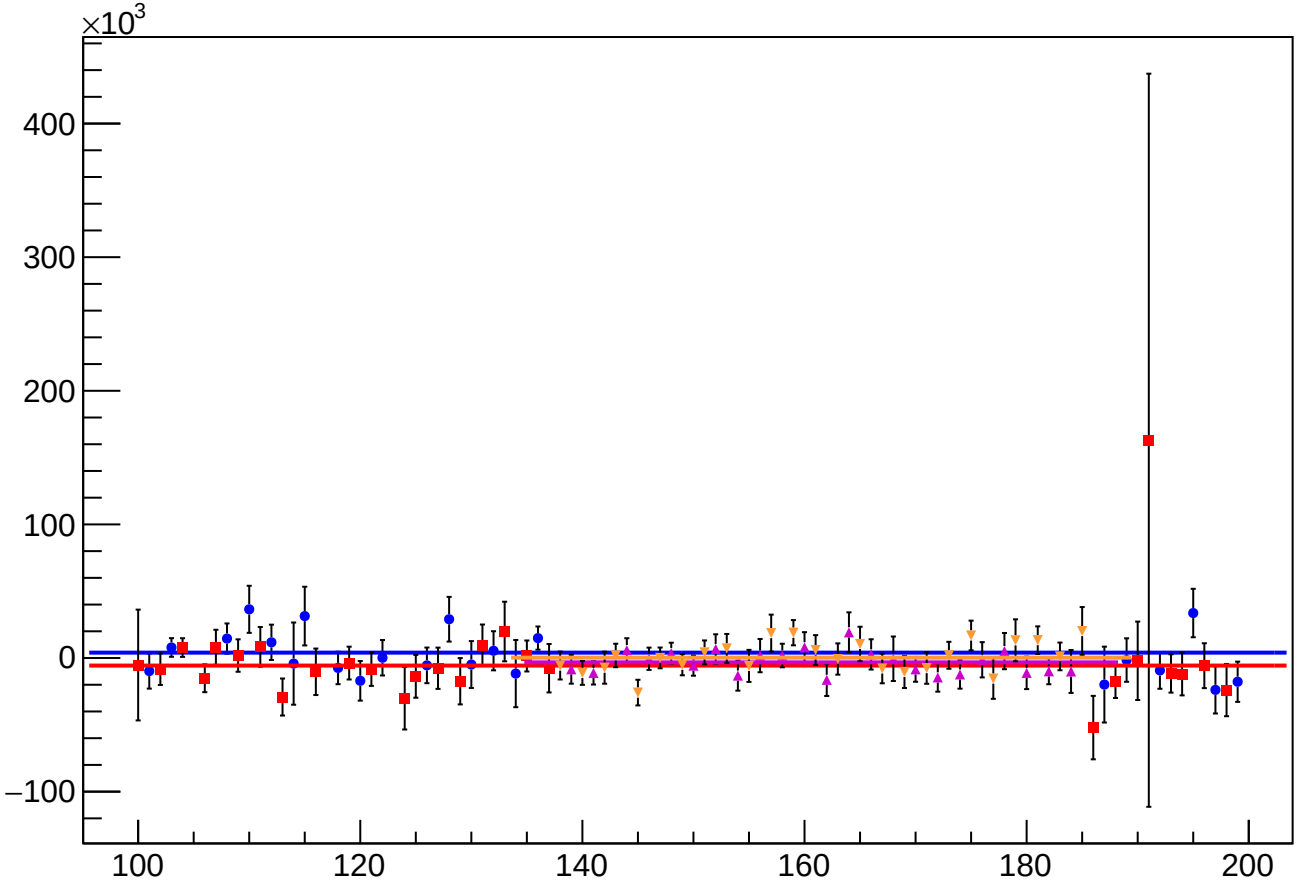
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9249.784+/-1.212 χ^2/NDF: 2886128.5/46

All: 9101.147+/-0.845 χ^2/NDF: 7009924.0/96

- sign 8960.468+/-1.179 χ^2/NDF: 4094524.2/49

asym_atr2_mean vs Slug



Right In: 4035.638+/-2932.836 χ^2/NDF: 24.6/21

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -5649.401+/-2763.507 χ^2/NDF: 21.0/26

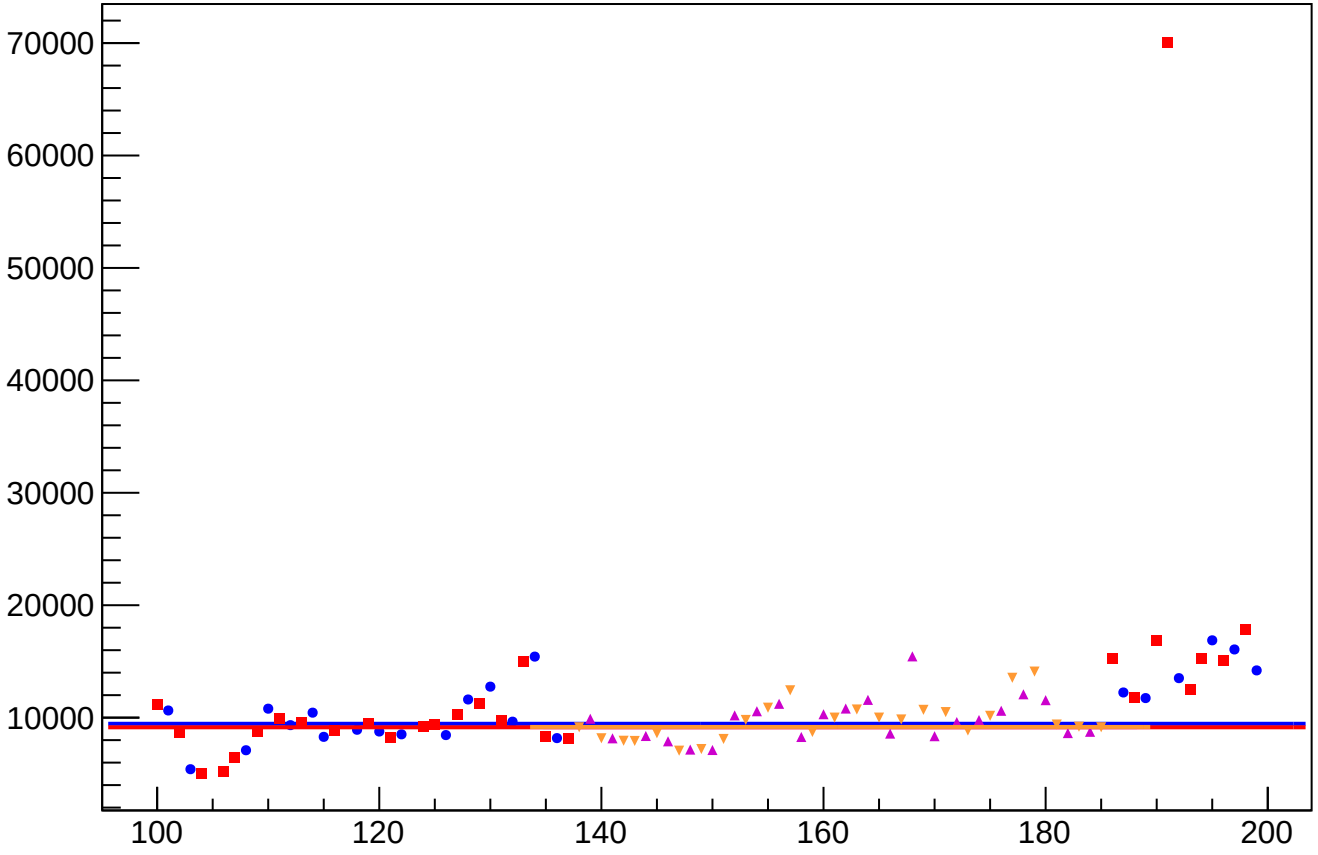
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1583.057+/-1720.990 χ^2/NDF: 52.0/46

All: -1304.487+/-1213.550 χ^2/NDF: 92.6/96

- sign -4160.229+/-1711.486 χ^2/NDF: 35.0/49

asym_atr2_rms vs Slug



Right In: 9454.667+/-2.074 χ^2/NDF: 2132286.6/21

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

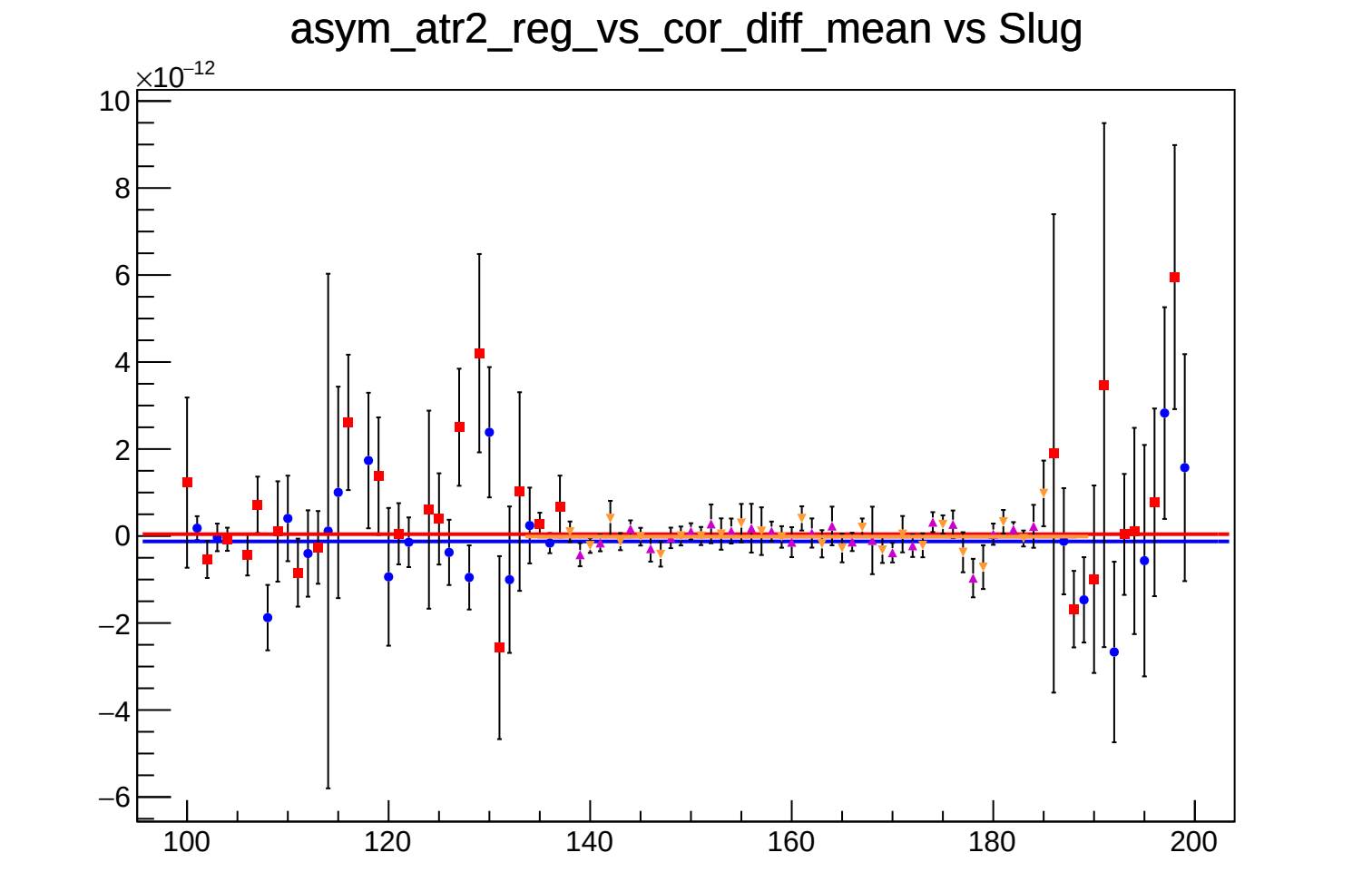
Right Out: 9139.922+/-1.954 χ^2/NDF: 2838763.6/26

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9269.874+/-1.217 χ^2/NDF: 3201343.5/46

All: 9211.466+/-0.858 χ^2/NDF: 7172303.1/96

- sign 9153.702+/-1.210 χ^2/NDF: 3966377.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

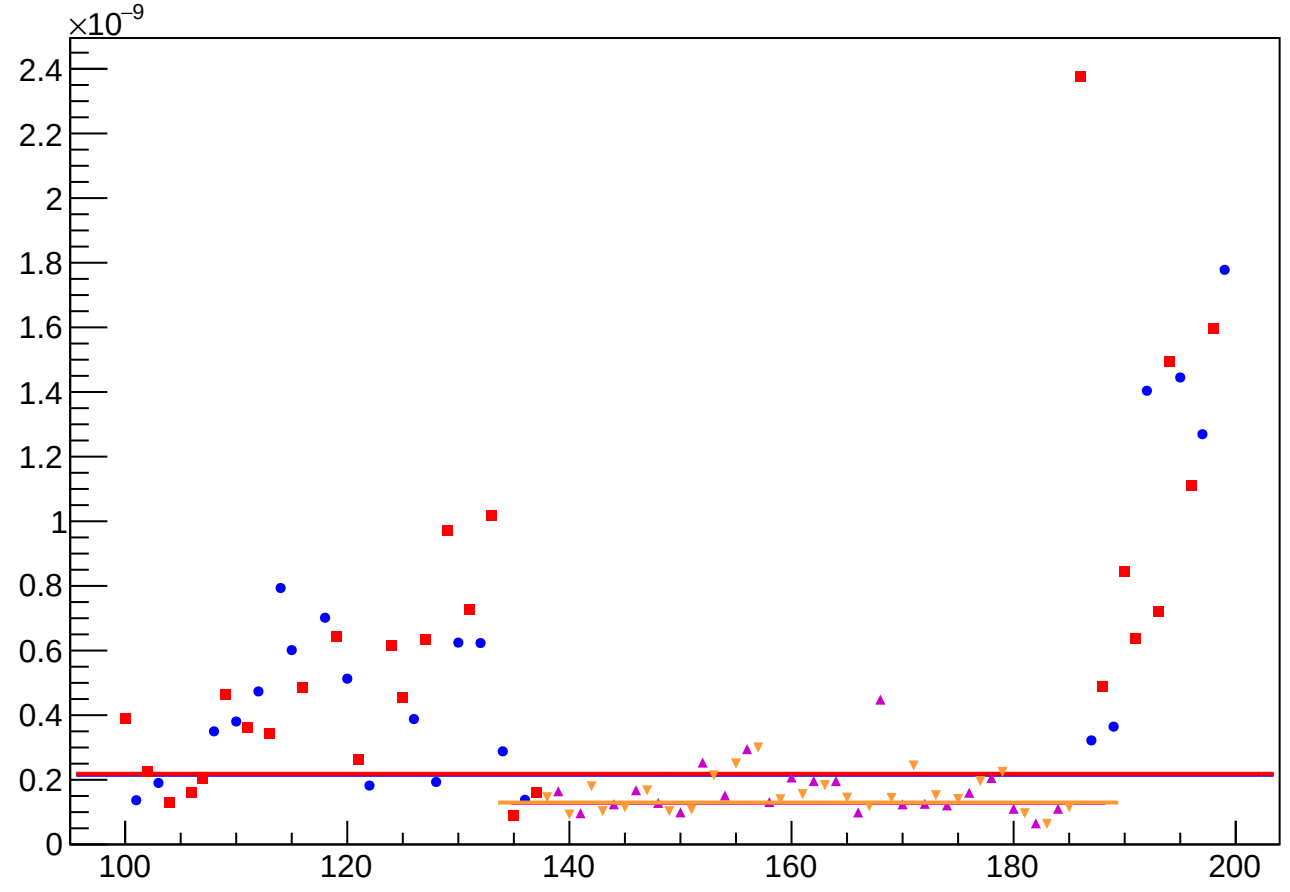
Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/26

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/46

All: -0.000+/-0.000 χ^2/NDF: 86.5/96

- sign -0.000+/-0.000 χ^2/NDF: 47.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 3620911.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4410357.3/26

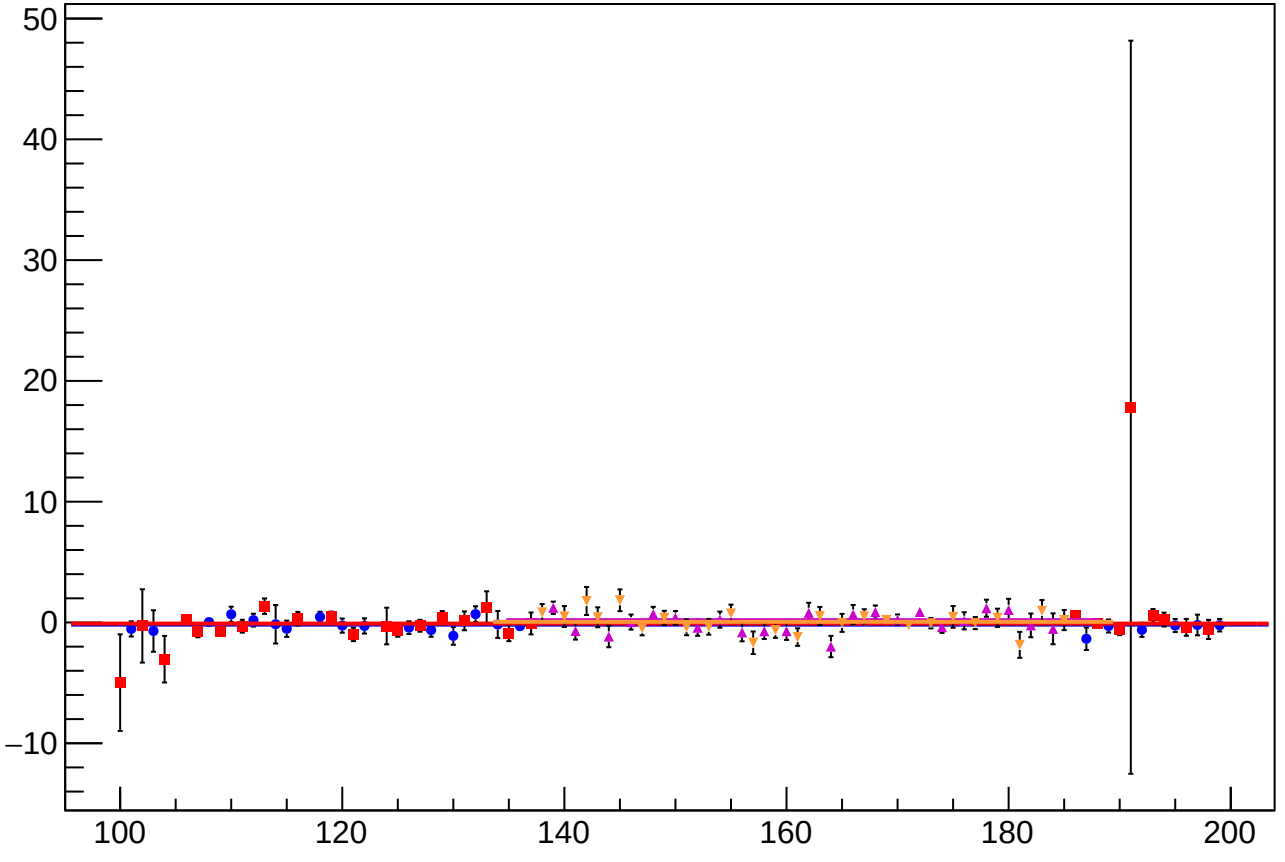
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5747713.0/46

All: 0.000+/-0.000 χ^2/NDF: 12437882.6/96

- sign 0.000+/-0.000 χ^2/NDF: 6689921.4/49

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.093+/-0.102 χ^2/NDF: 31.4/26

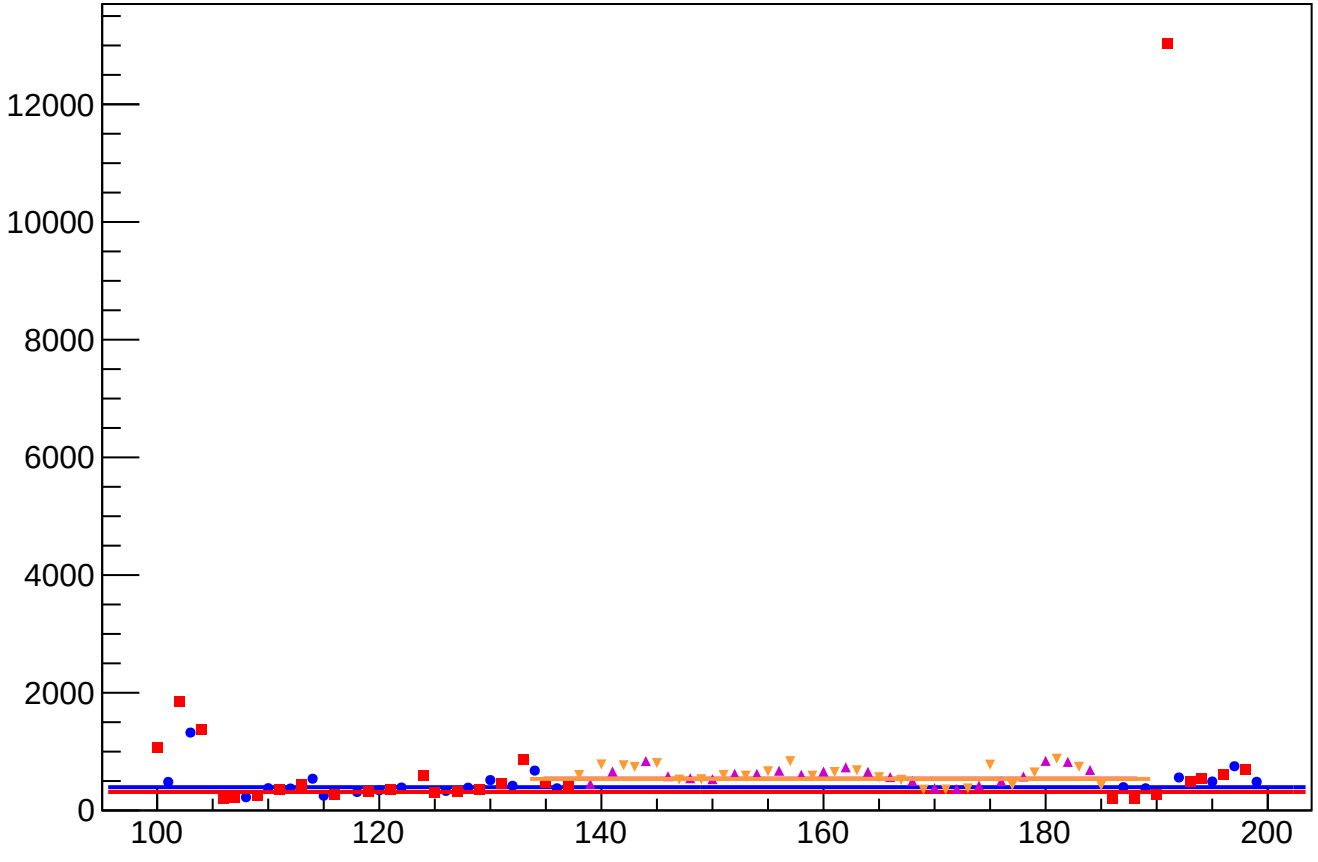
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.066+/-0.090 χ^2/NDF: 38.5/46

All: -0.023+/-0.060 χ^2/NDF: 104.3/96

- sign 0.012+/-0.081 χ^2/NDF: 65.4/49

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 395.197+/-0.089 χ^2/NDF: 2120296.7/21

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724753.0/26

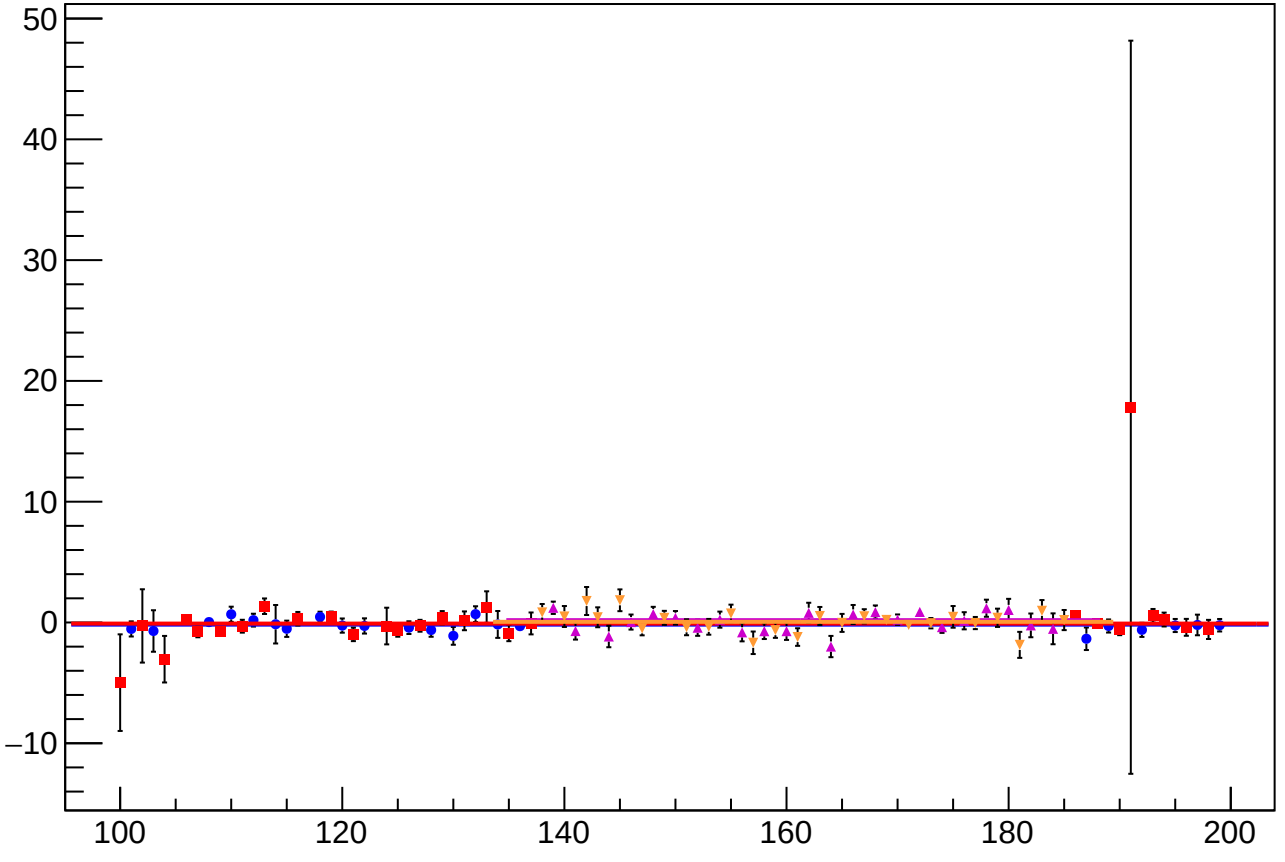
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 463.217+/-0.064 χ^2/NDF: 6090744.2/46

All: 427.042+/-0.043 χ^2/NDF: 16969294.9/96

- sign 397.768+/-0.057 χ^2/NDF: 10294301.4/49

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.093+/-0.102 χ^2/NDF: 31.4/26

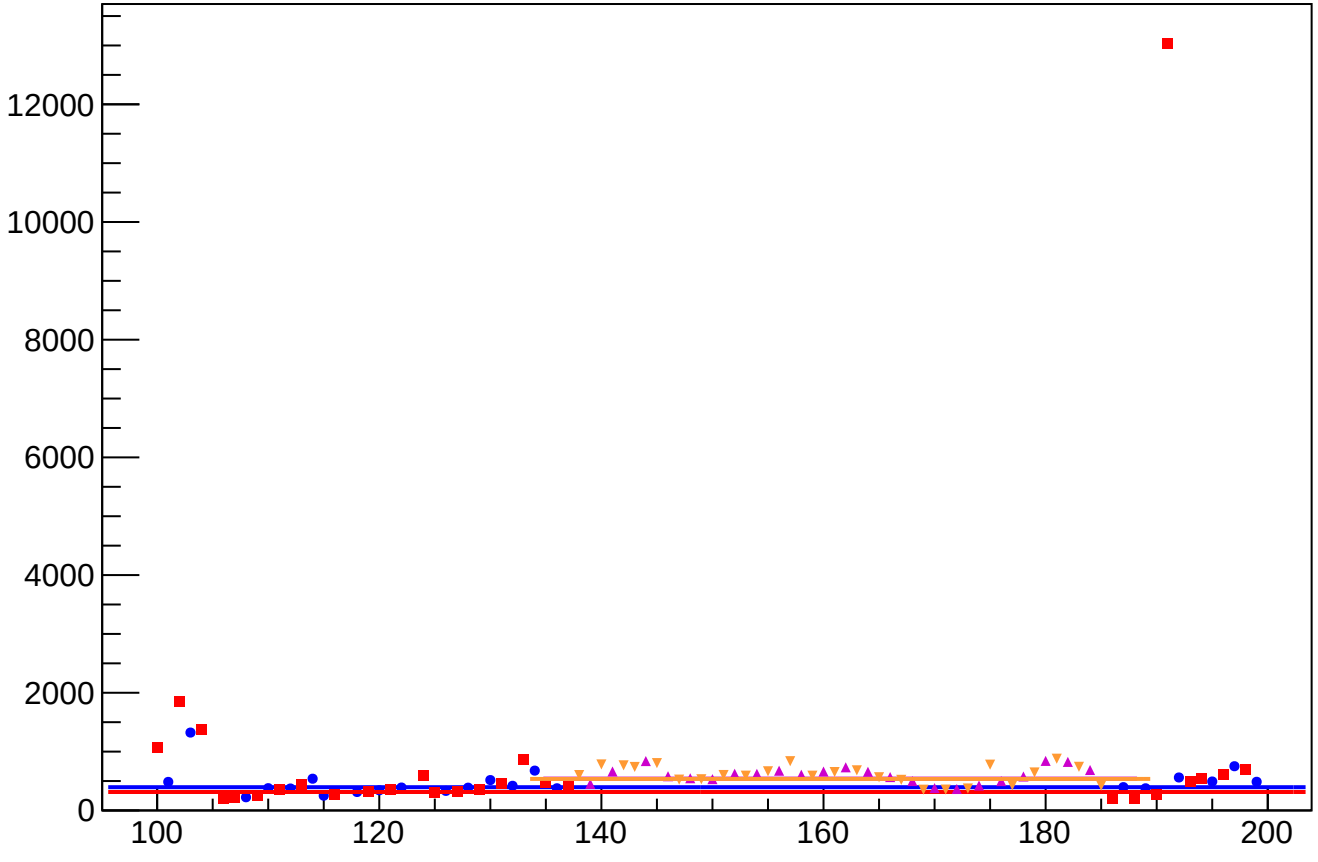
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.066+/-0.090 χ^2/NDF: 38.5/46

All: -0.023+/-0.060 χ^2/NDF: 104.3/96

- sign 0.012+/-0.081 χ^2/NDF: 65.4/49

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 395.197+/-0.089 χ^2/NDF: 2120296.7/21

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724753.0/26

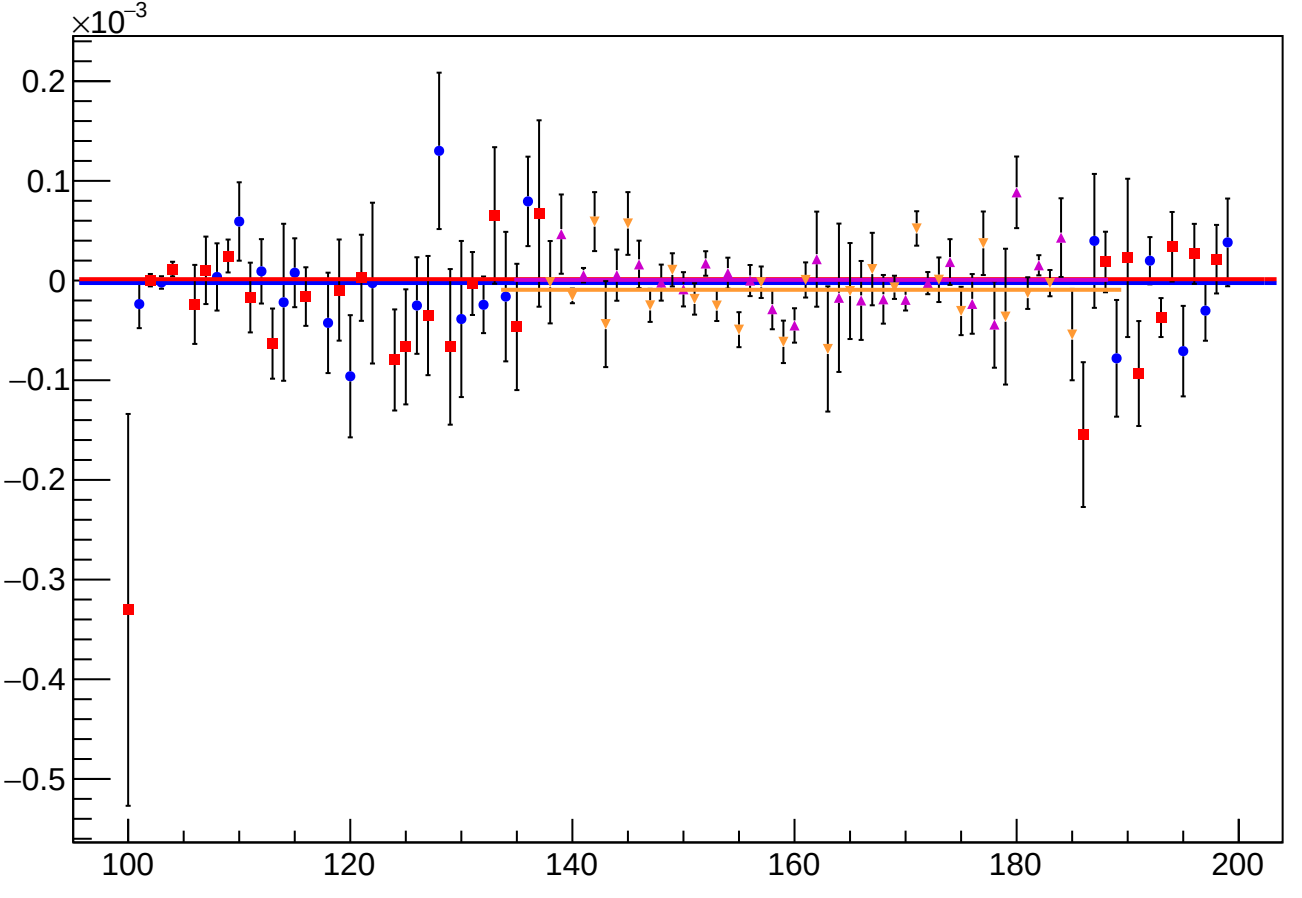
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 463.217+/-0.064 χ^2/NDF: 6090744.2/46

All: 427.042+/-0.043 χ^2/NDF: 16969294.9/96

- 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: 20.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/26

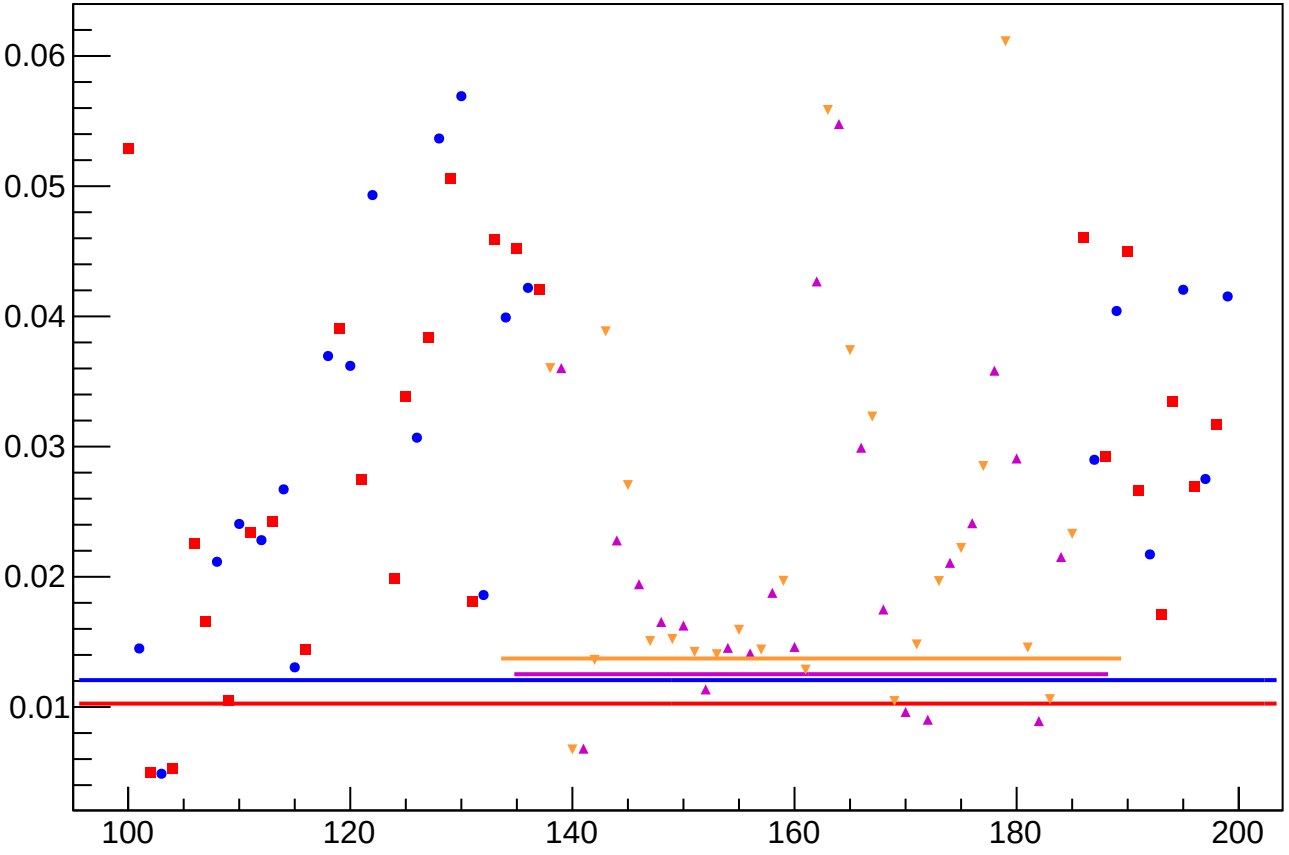
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/46

All: -0.000+/-0.000 χ^2/NDF: 133.5/96

- 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: 10611782.6/21

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 11556108.4/26

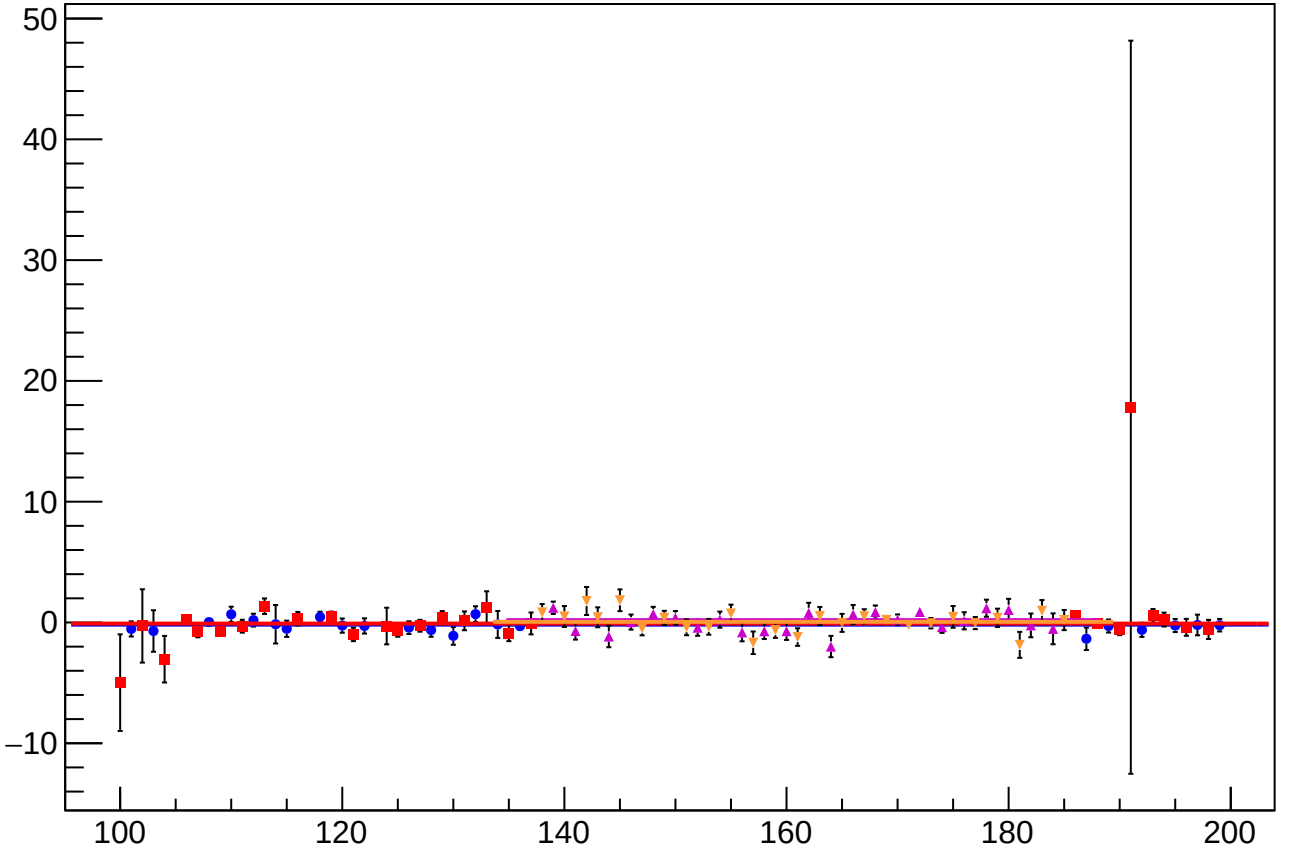
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 18470816.9/46

All: 0.012+/-0.000 χ^2/NDF: 37856792.1/96

- sign 0.012+/-0.000 χ^2/NDF: 19046593.3/49

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.093+/-0.102 χ^2/NDF: 31.4/26

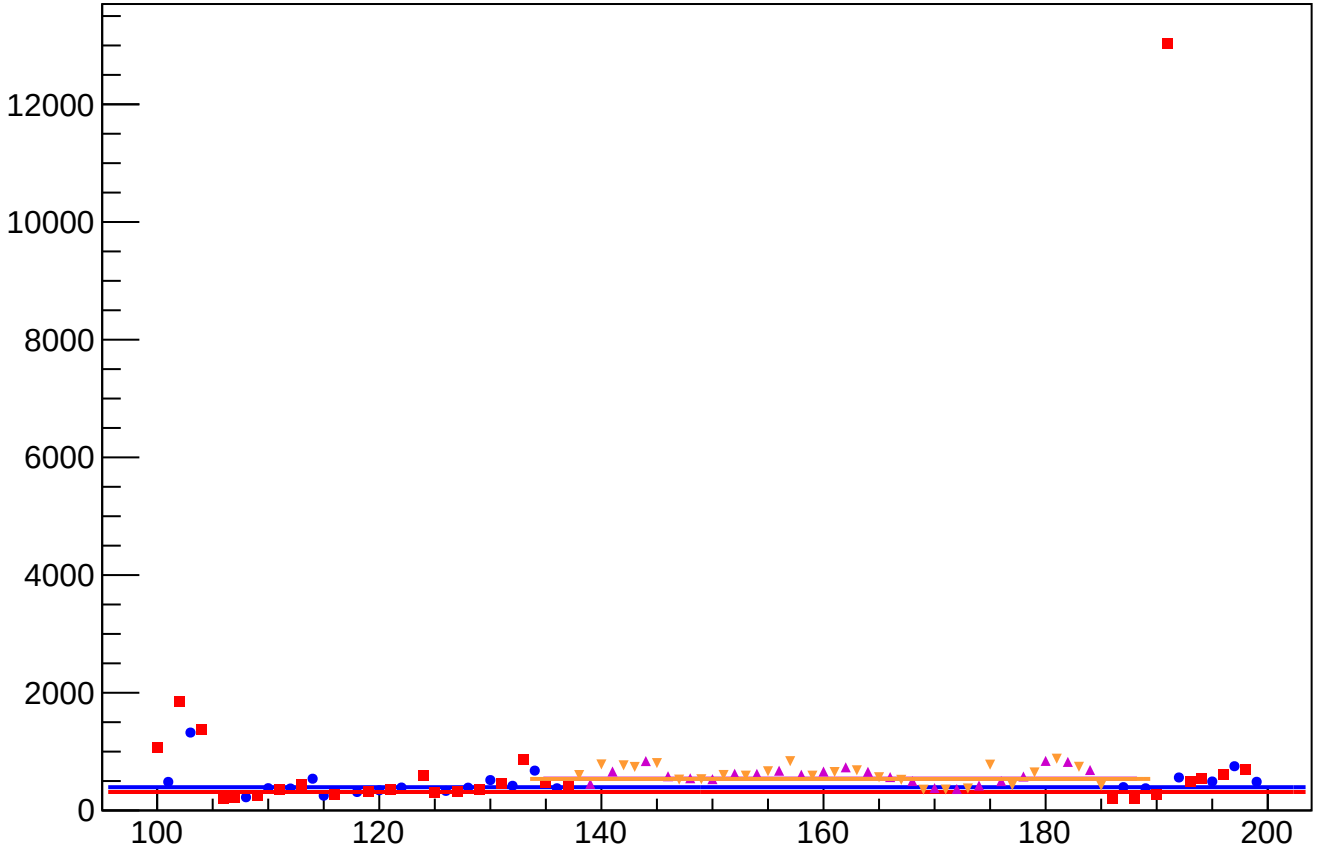
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.066+/-0.090 χ^2/NDF: 38.5/46

All: -0.023+/-0.060 χ^2/NDF: 104.3/96

- sign 0.012+/-0.081 χ^2/NDF: 65.4/49

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 395.194+/-0.089 χ^2/NDF: 2120317.6/21

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724704.2/26

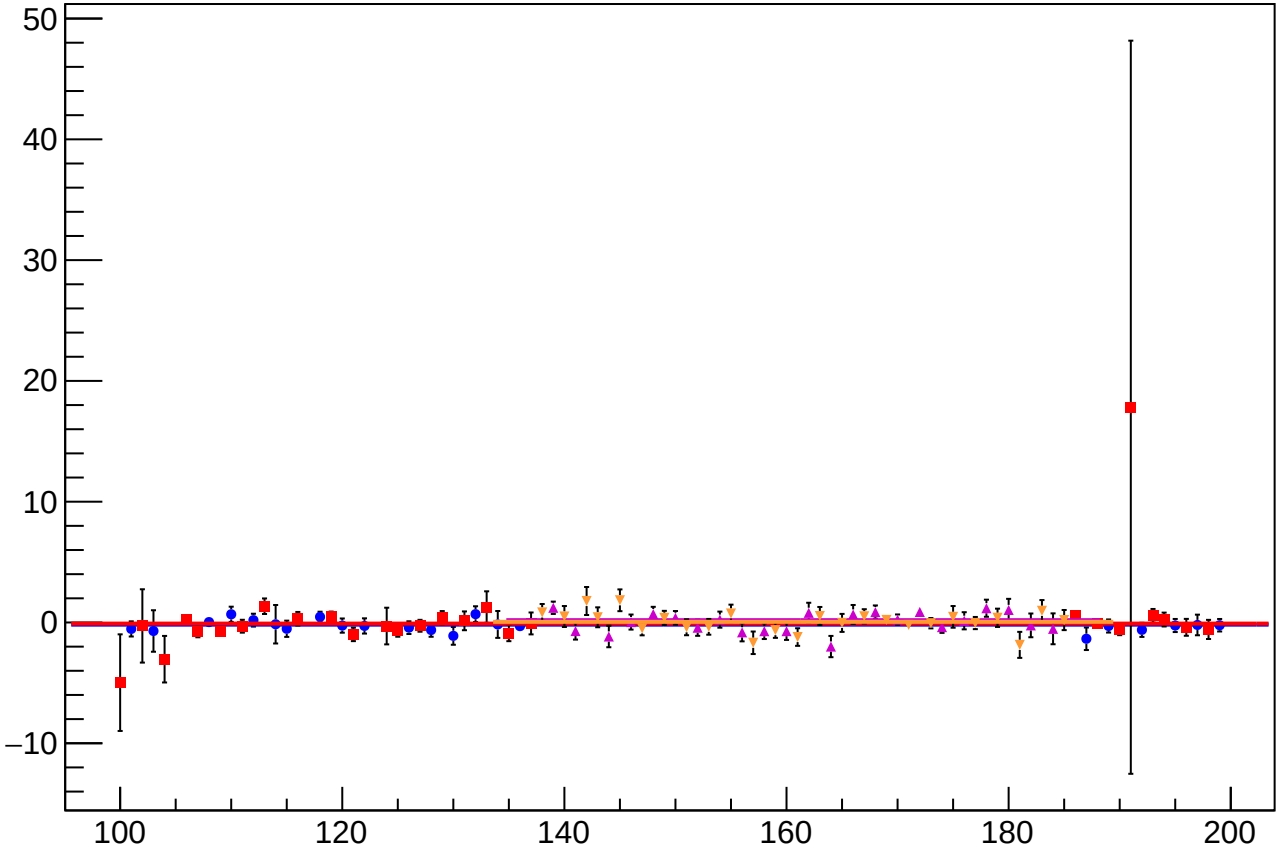
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 463.216+/-0.064 χ^2/NDF: 6090983.0/46

All: 427.042+/-0.043 χ^2/NDF: 16969616.1/96

- sign 397.769+/-0.057 χ^2/NDF: 10294412.0/49

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.093+/-0.102 χ^2/NDF: 31.4/26

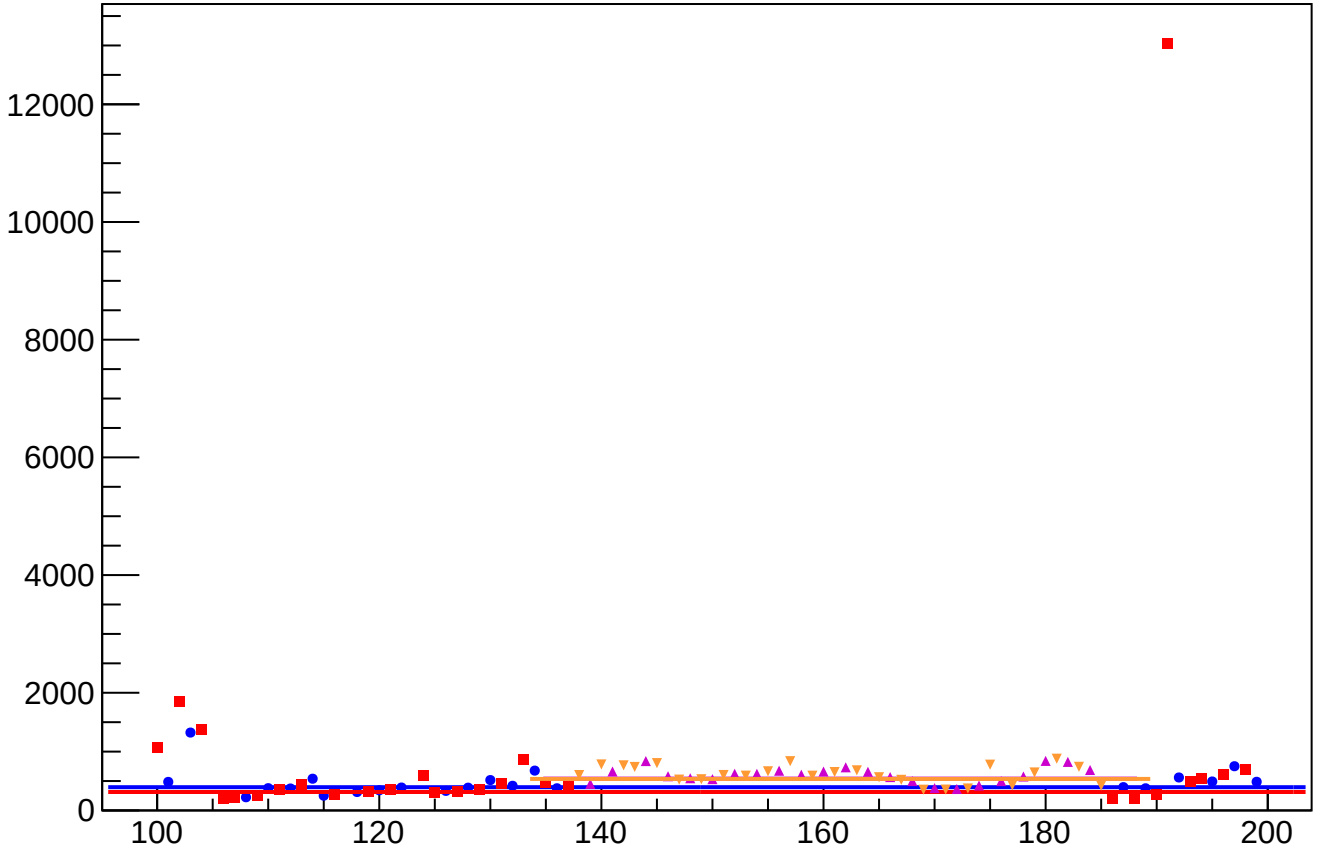
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.066+/-0.090 χ^2/NDF: 38.5/46

All: -0.023+/-0.060 χ^2/NDF: 104.3/96

- sign 0.012+/-0.081 χ^2/NDF: 65.4/49

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 395.194+/-0.089 χ^2/NDF: 2120317.6/21

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724704.2/26

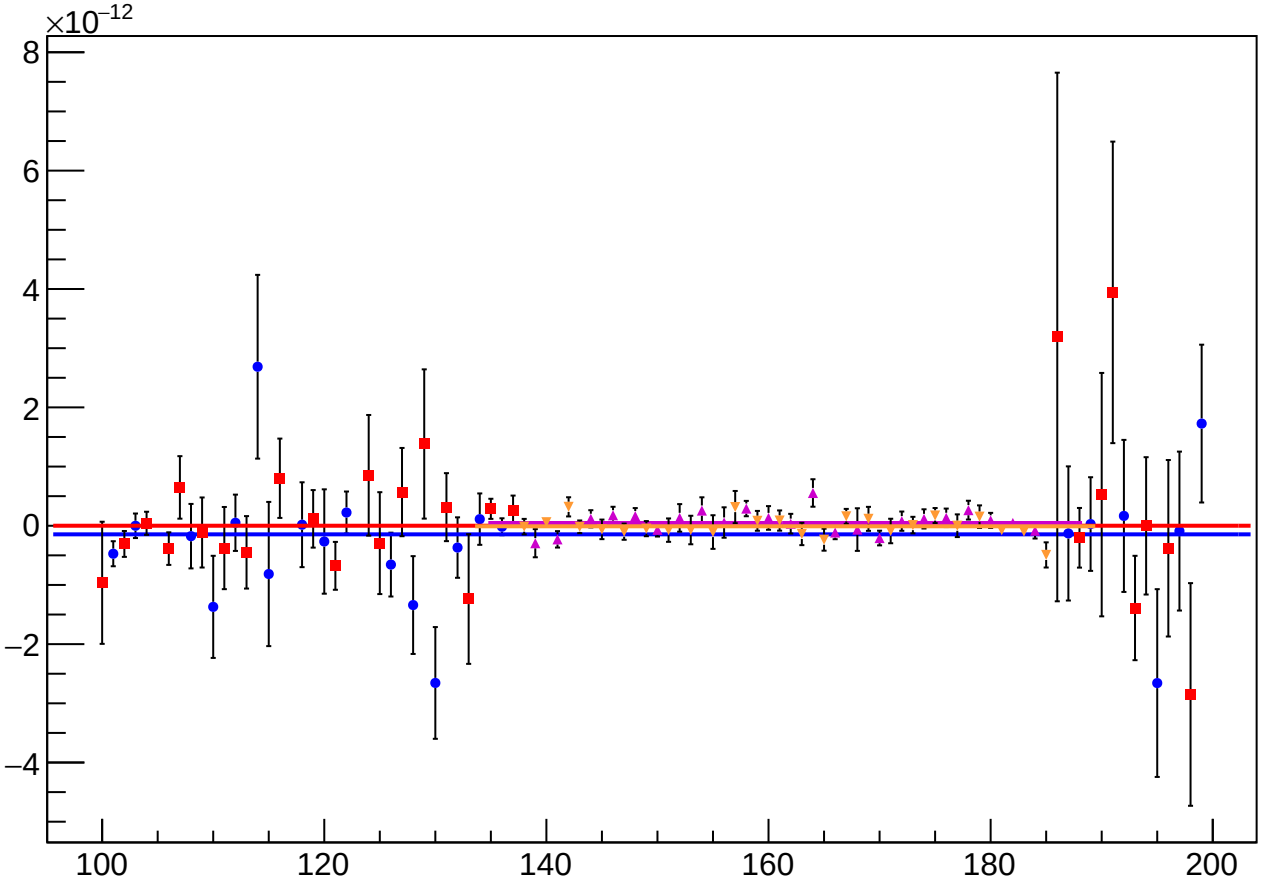
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 463.216+/-0.064 χ^2/NDF: 6090983.0/46

All: 427.042+/-0.043 χ^2/NDF: 16969616.1/96

- 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: 25.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

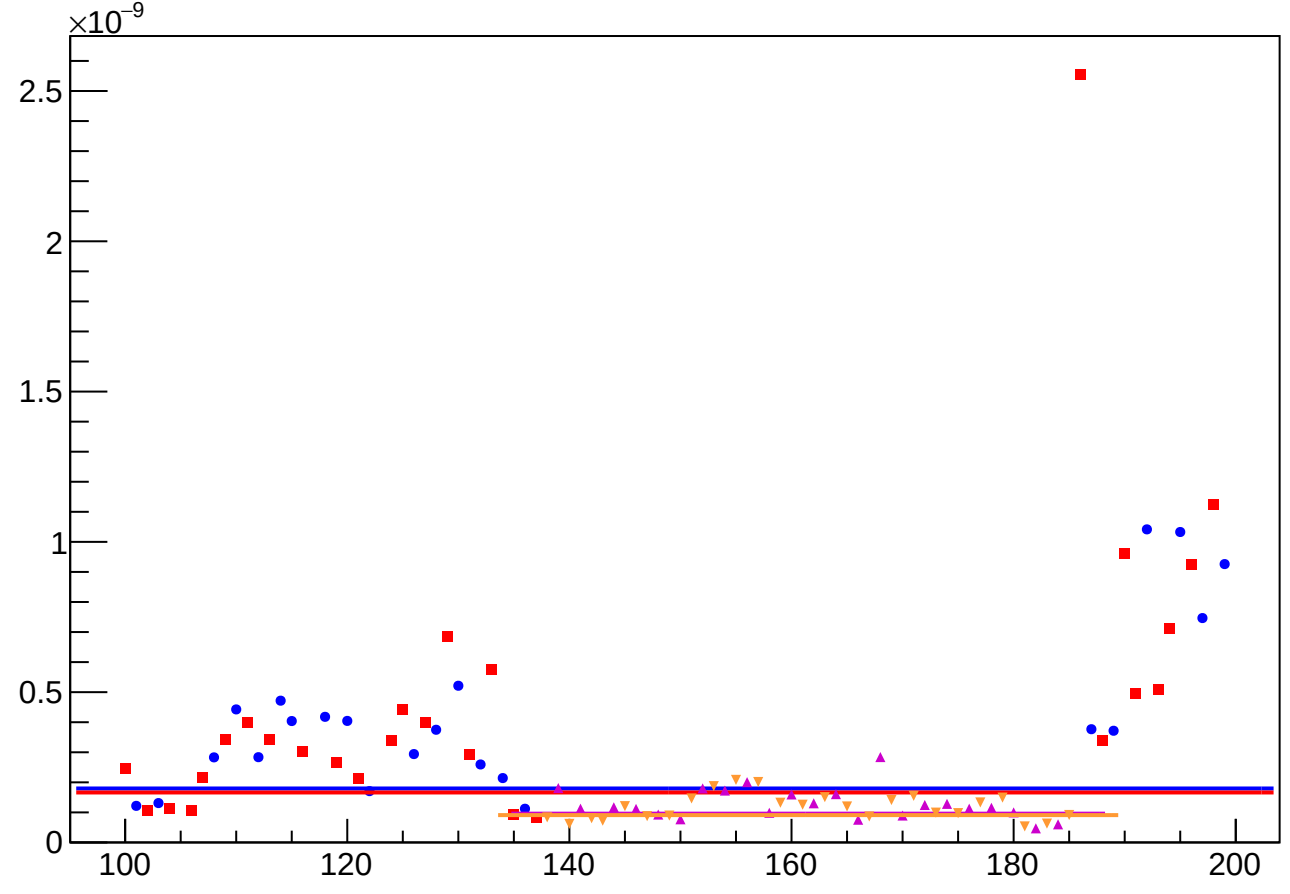
Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/26

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/46

All: 0.000+/-0.000 χ^2/NDF: 108.9/96

- sign 0.000+/-0.000 χ^2/NDF: 55.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 4717487.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5851886.3/26

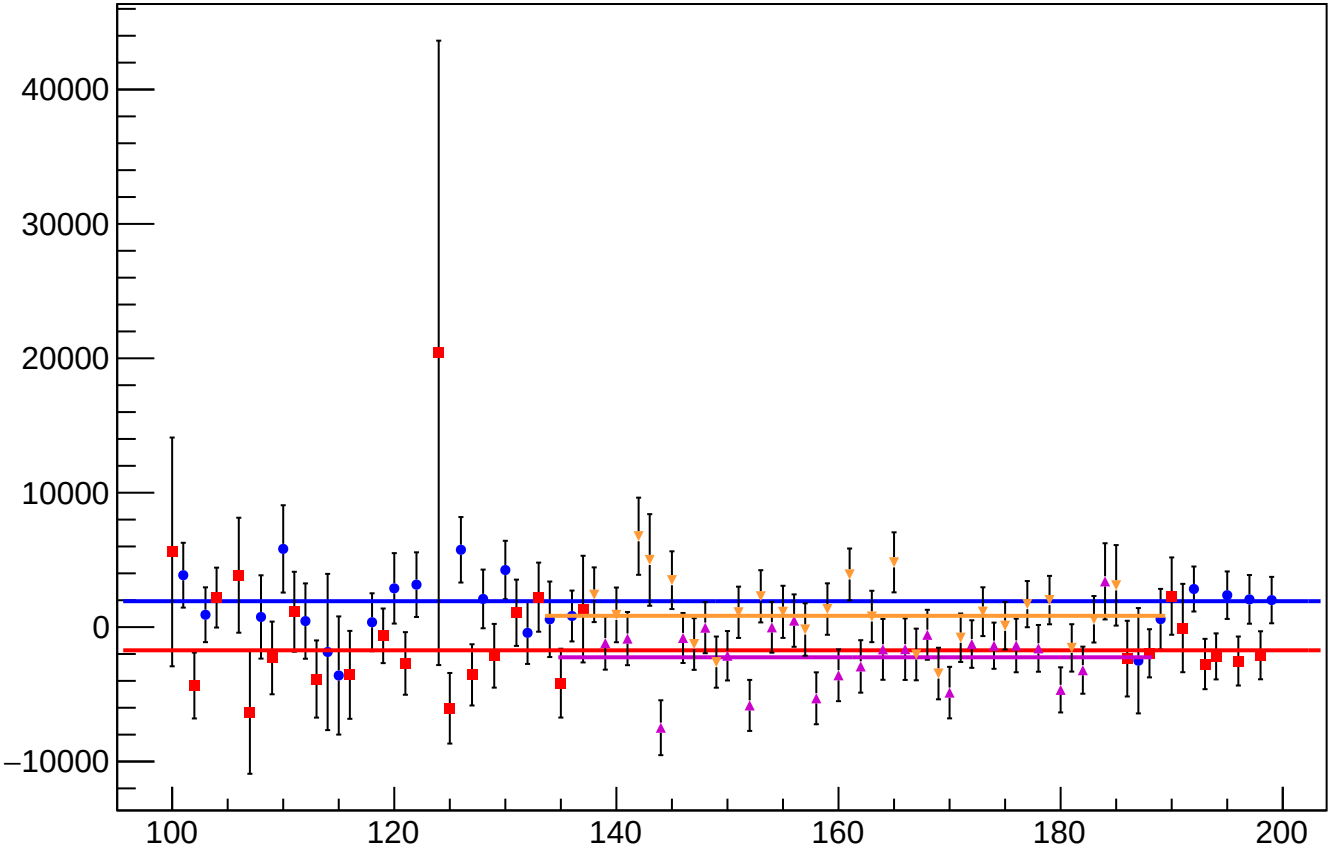
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

\+ sign 0.000+/-0.000 χ^2/NDF: 10016057.3/46

All: 0.000+/-0.000 χ^2/NDF: 21127658.6/96

\- sign 0.000+/-0.000 χ^2/NDF: 11083515.0/49

reg_asym_atl_avg_mean vs Slug



Right In: 1928.586+/-492.854 χ^2/NDF: 12.9/21

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1725.197+/-481.386 χ^2/NDF: 22.3/26

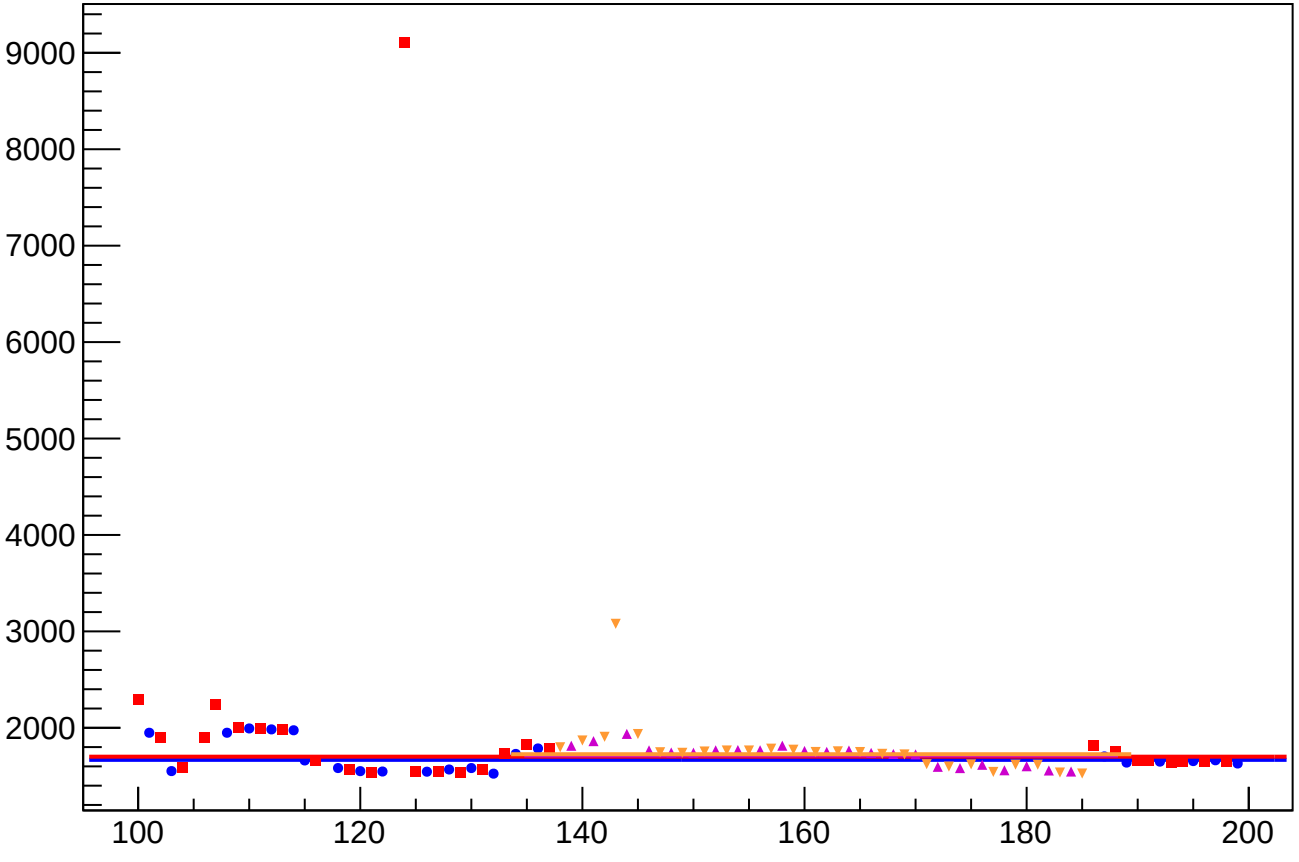
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1265.983+/-307.960 χ^2/NDF: 46.2/46

All: -382.951+/-217.773 χ^2/NDF: 156.0/96

- sign -2032.242+/-307.994 χ^2/NDF: 52.4/49

reg_asym_atl_avg_rms vs Slug



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.3/21

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1700.520+/-0.339 χ^2/NDF: 397287.8/26

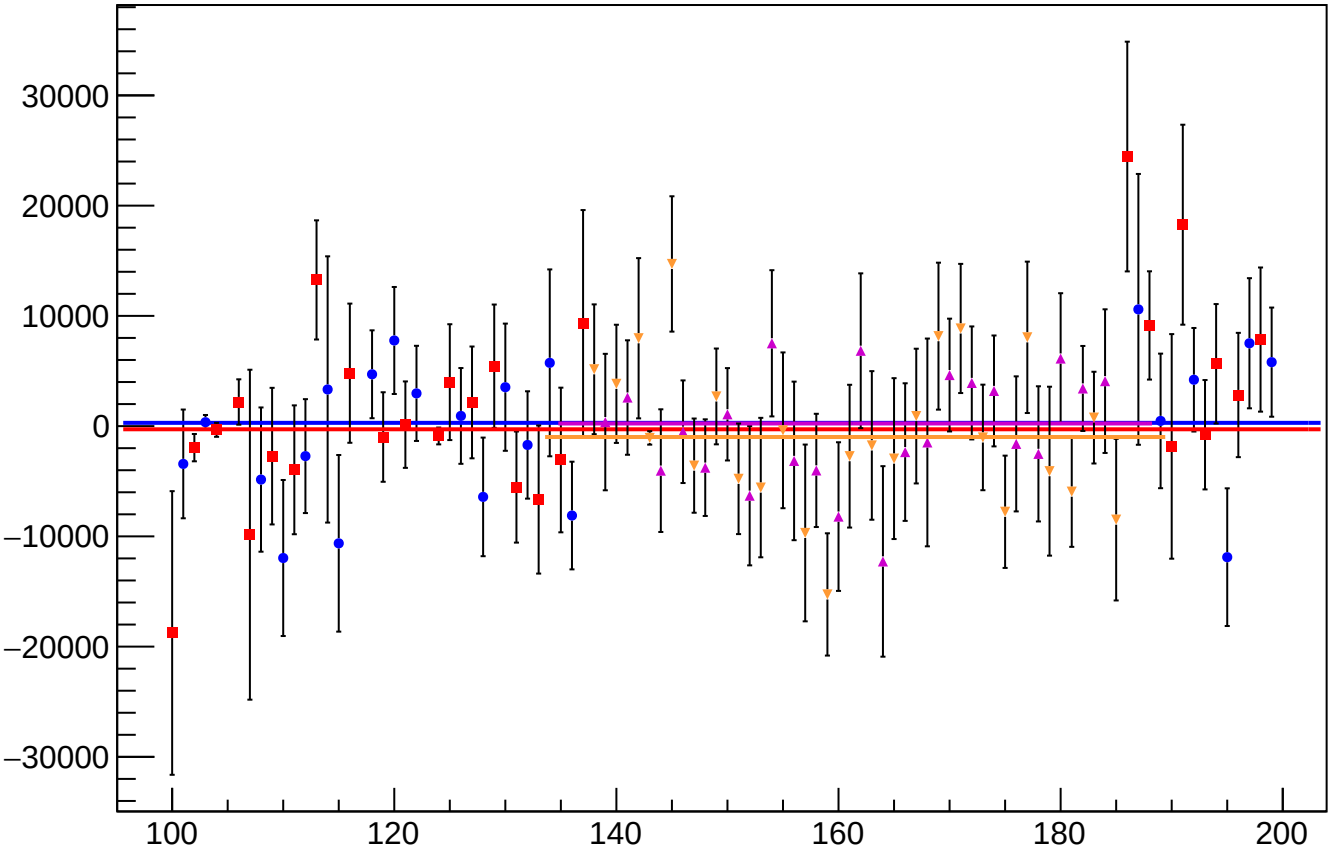
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1703.243+/-0.218 χ^2/NDF: 615939.4/46

All: 1705.607+/-0.154 χ^2/NDF: 1143569.9/96

- sign 1707.967+/-0.218 χ^2/NDF: 527394.9/49

asym_atl_avg_reg_correction_mean vs Slug



Right In: 297.653+/-574.379 χ^2/NDF: 23.8/21

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -286.548+/-417.245 χ^2/NDF: 35.4/26

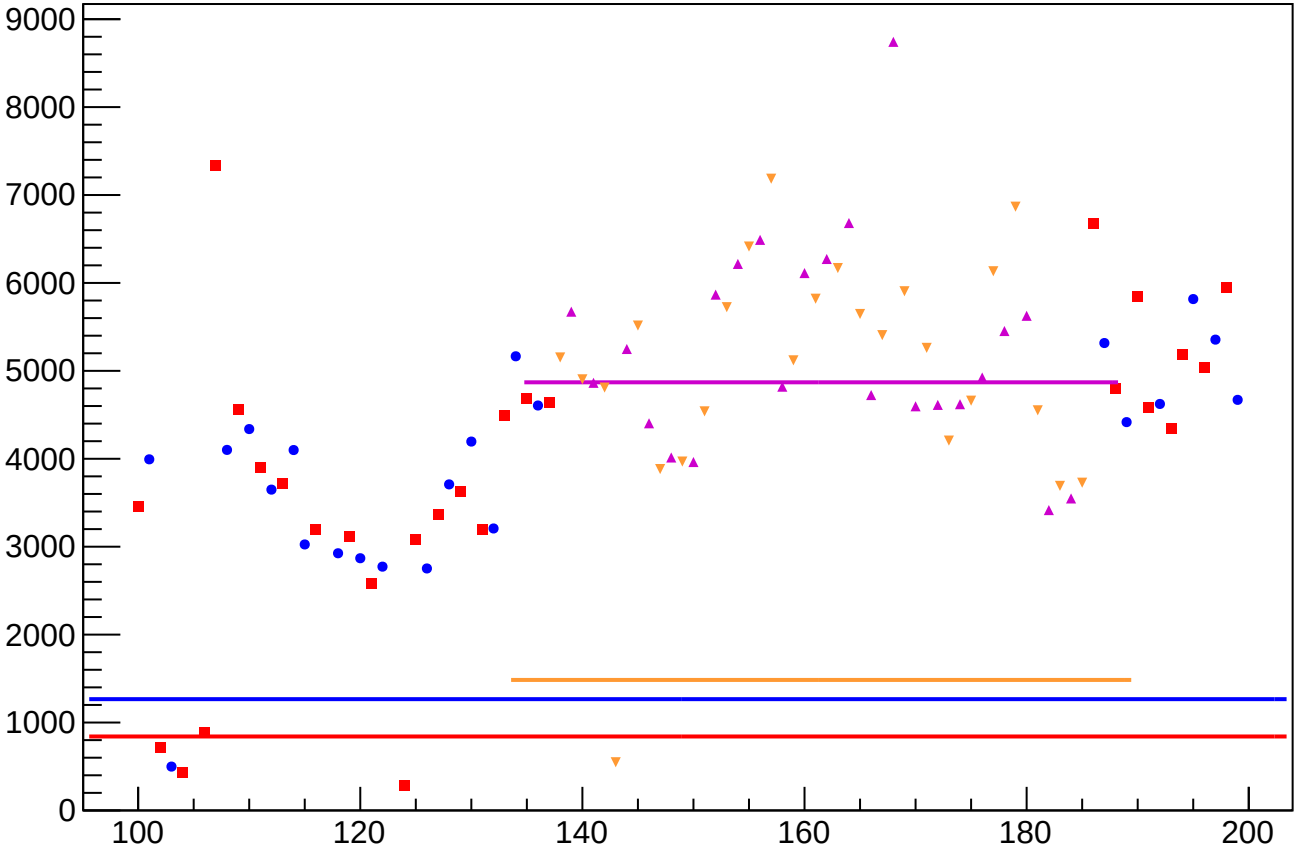
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -383.117+/-393.913 χ^2/NDF: 57.3/46

All: -304.709+/-278.149 χ^2/NDF: 106.5/96

- sign -226.738+/-392.813 χ^2/NDF: 49.2/49

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1265.939+/-0.406 χ^2/NDF: 13136191.5/21

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

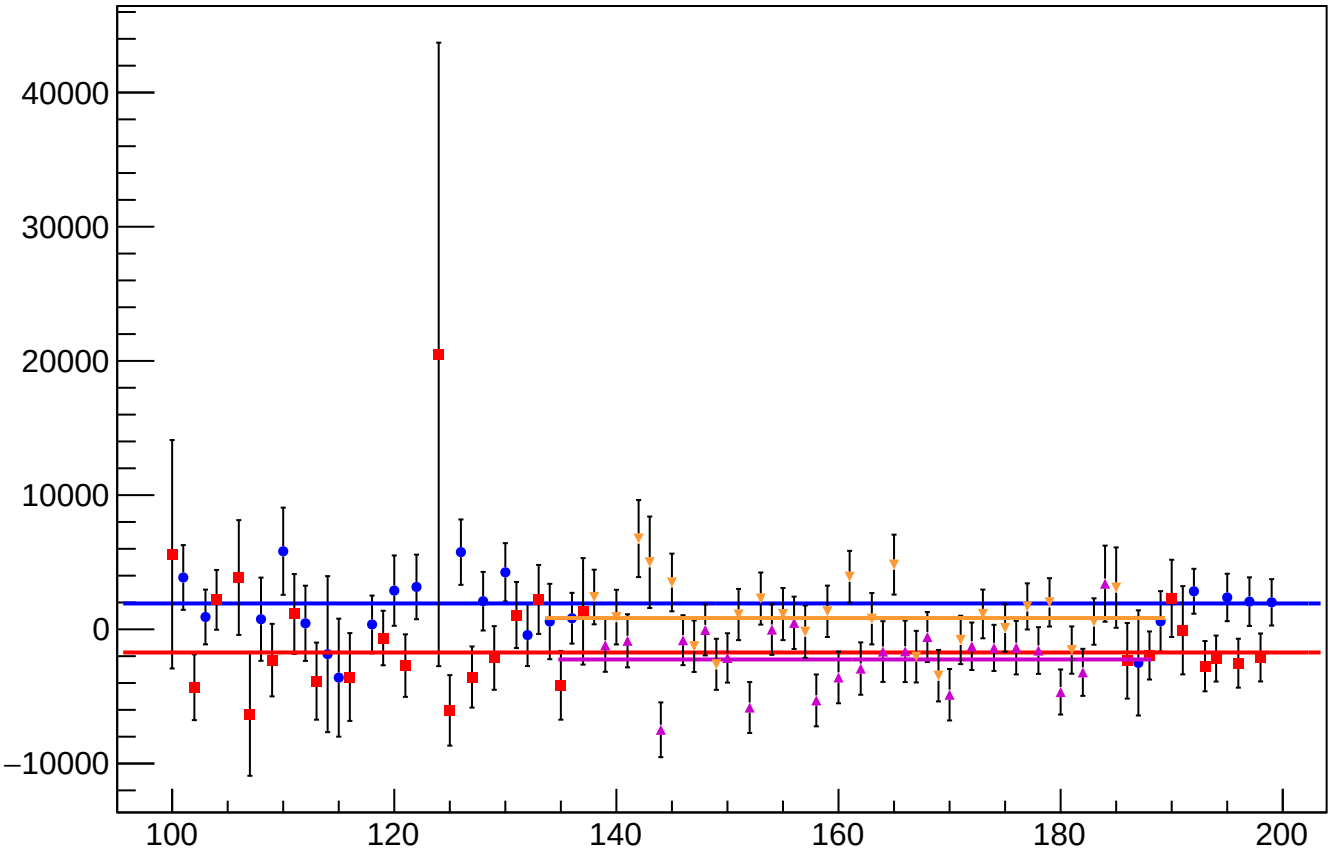
Right Out: 841.350+/-0.295 χ^2/NDF: 16257432.9/26

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1381.737+/-0.279 χ^2/NDF: 36514611.5/46

All: 1340.401+/-0.197 χ^2/NDF: 75483062.0/9

- sign 1299.295+/-0.278 χ^2/NDF: 38924525.9/49



Right In: 1928.662+/-492.854 χ^2/NDF: 12.9/21

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1723.823+/-481.388 χ^2/NDF: 22.3/26

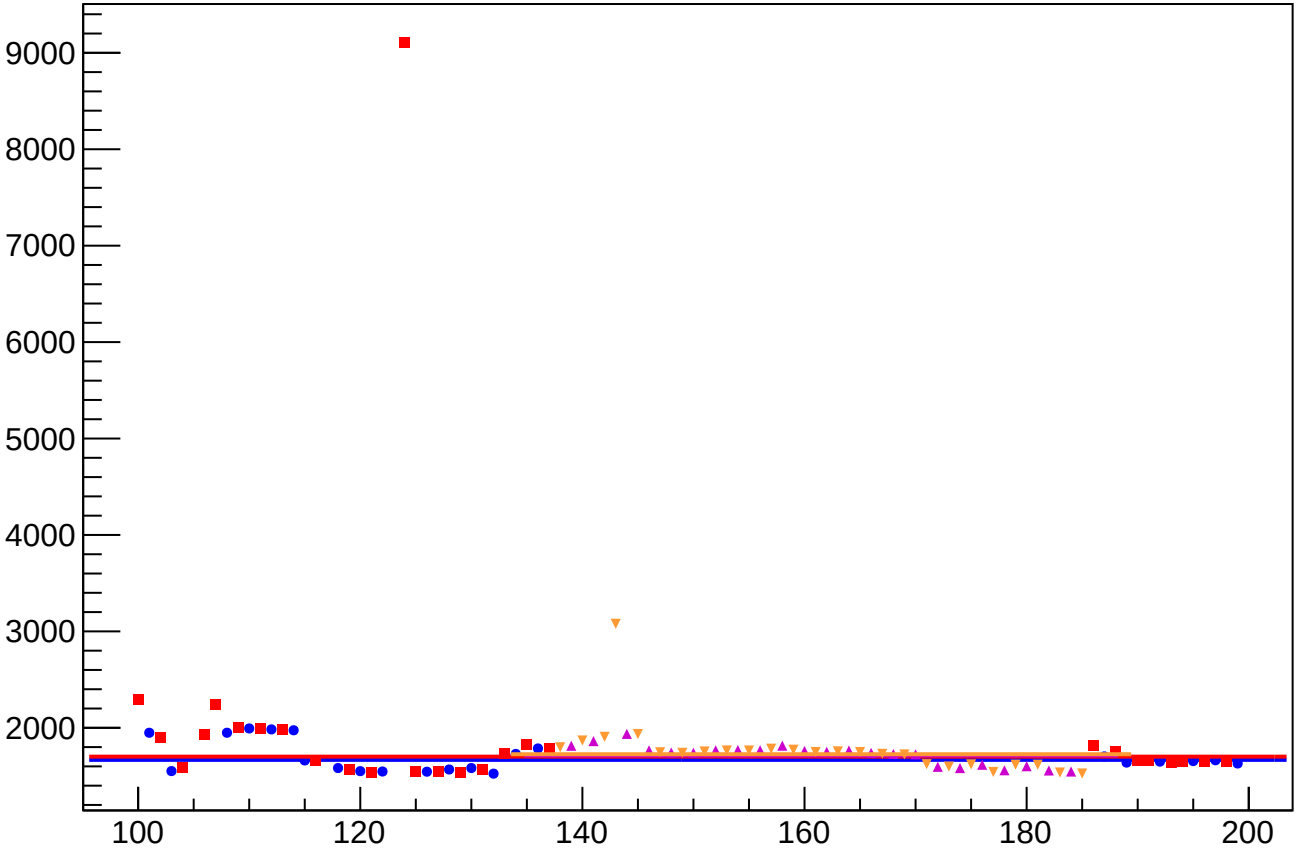
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1266.009+/-307.960 χ^2/NDF: 46.2/46

All: -382.661+/-217.773 χ^2/NDF: 156.0/96

- sign -2031.692+/-307.994 χ^2/NDF: 52.4/49

cor_asym_atl_avg_rms vs Slug



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.4/21

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1700.980+/-0.340 χ^2/NDF: 399176.0/26

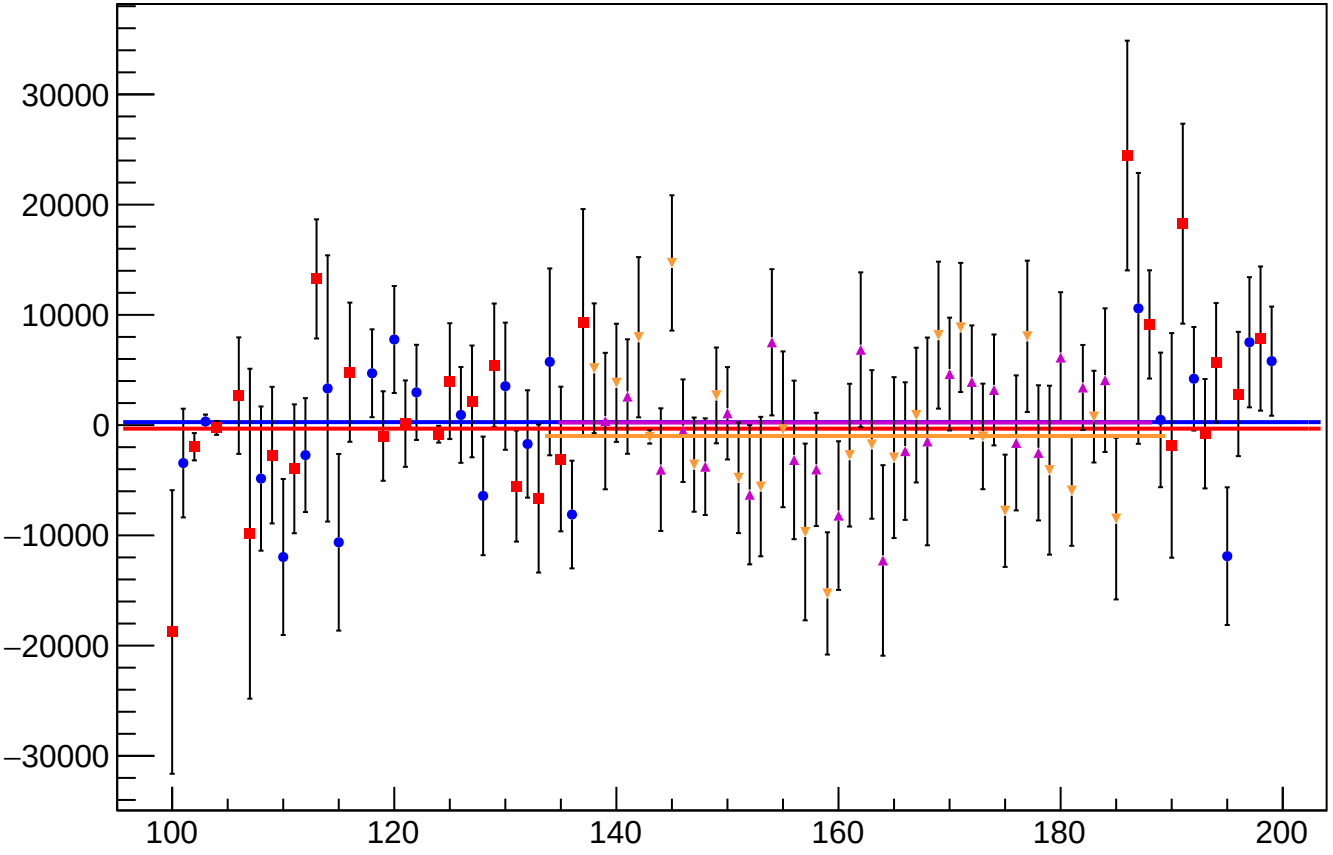
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1703.243+/-0.218 χ^2/NDF: 615939.5/46

All: 1705.702+/-0.154 χ^2/NDF: 1145418.9/96

- sign 1708.157+/-0.218 χ^2/NDF: 529224.4/49

asym_atl_avg_cor_correction_mean vs Slug



Right In: 272.114+/-563.148 χ^2/NDF: 23.8/21

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -319.202+/-422.774 χ^2/NDF: 34.2/26

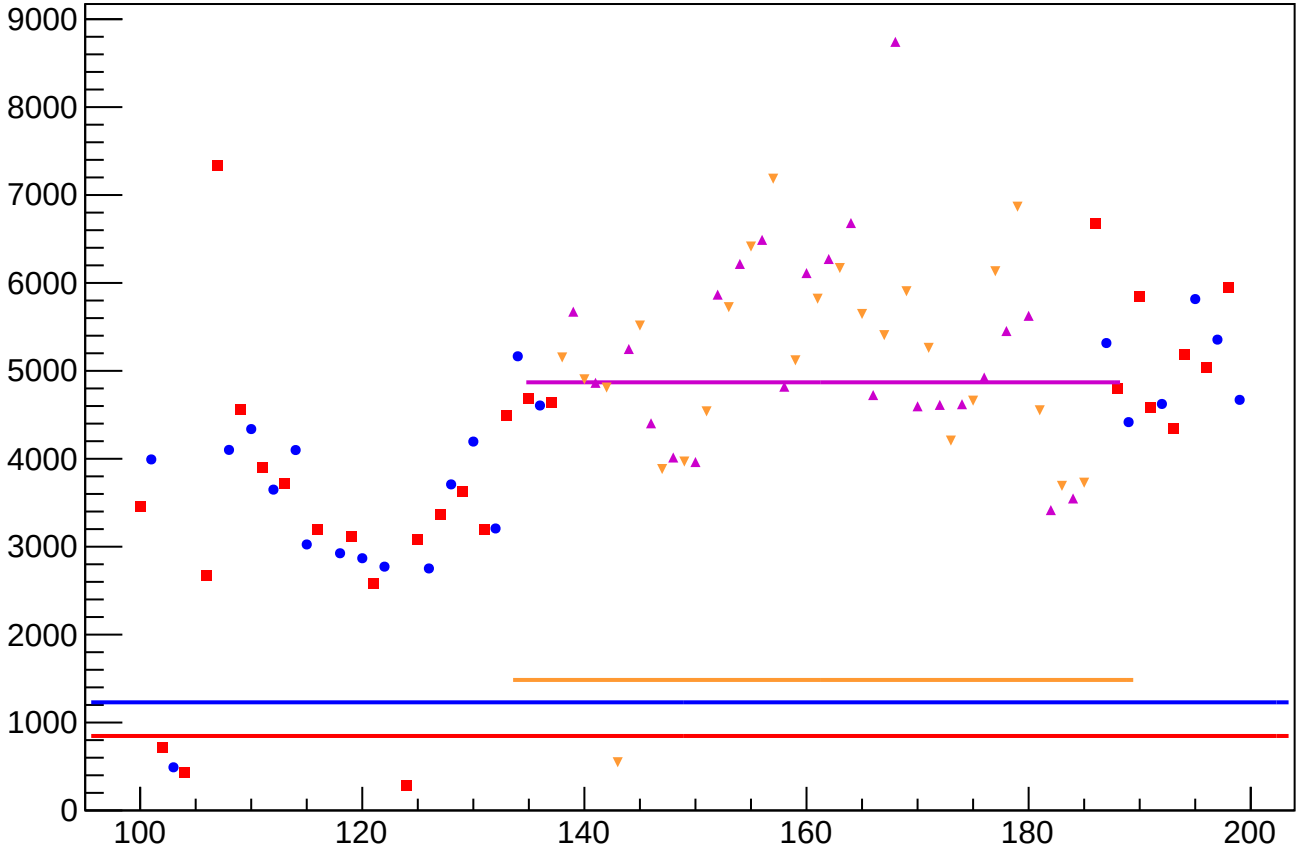
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -382.571+/-390.227 χ^2/NDF: 57.2/46

All: -319.554+/-278.439 χ^2/NDF: 105.2/96

- sign -254.194+/-397.416 χ^2/NDF: 47.9/49

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1229.889+/-0.398 χ^2/NDF: 13333324.1/21

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 847.122+/-0.299 χ^2/NDF: 16523123.0/26

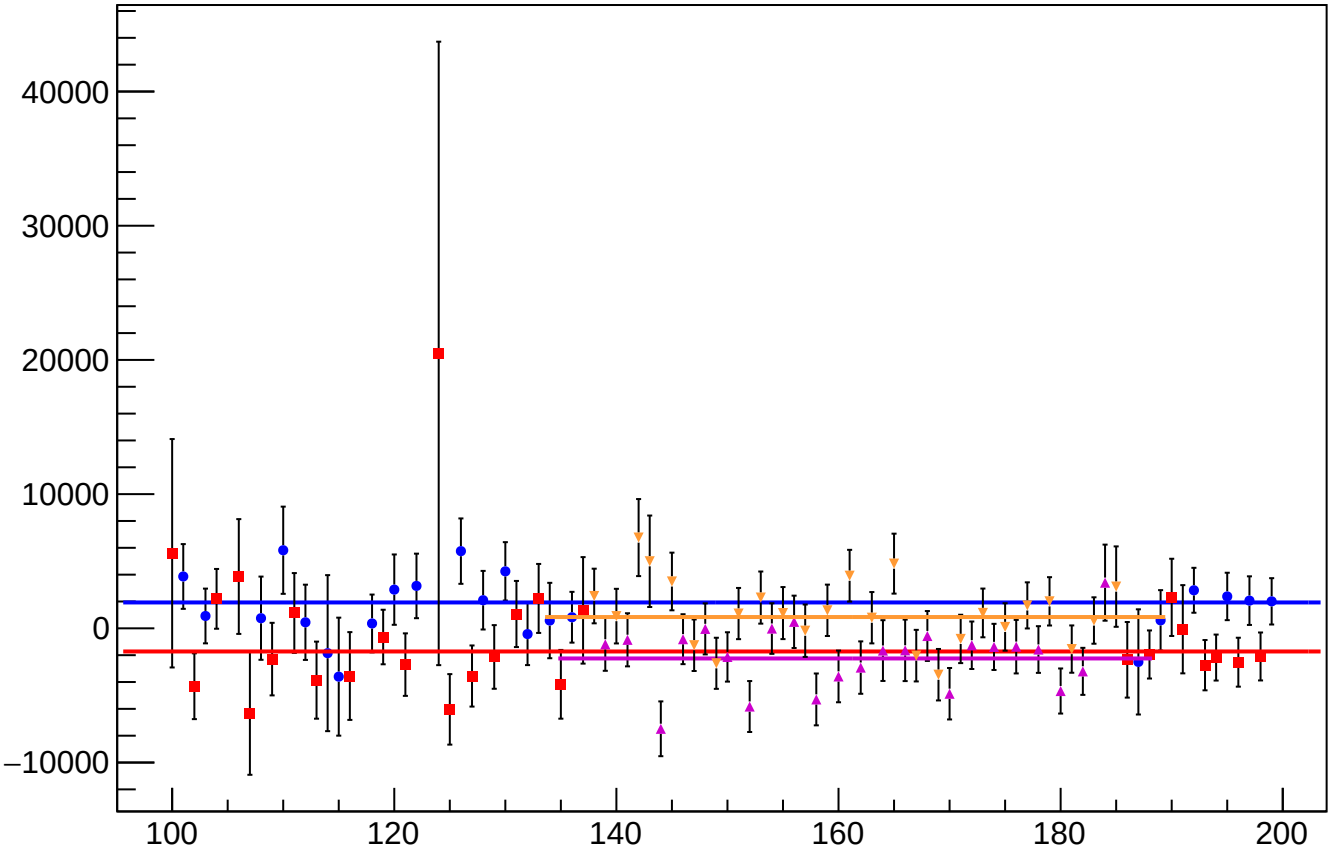
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1362.237+/-0.276 χ^2/NDF: 36771392.4/46

All: 1339.144+/-0.197 χ^2/NDF: 75851282.4/9

- sign 1315.192+/-0.281 χ^2/NDF: 39065621.0/49

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1928.662+/-492.854 χ^2/NDF: 12.9/21

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1723.823+/-481.388 χ^2/NDF: 22.3/26

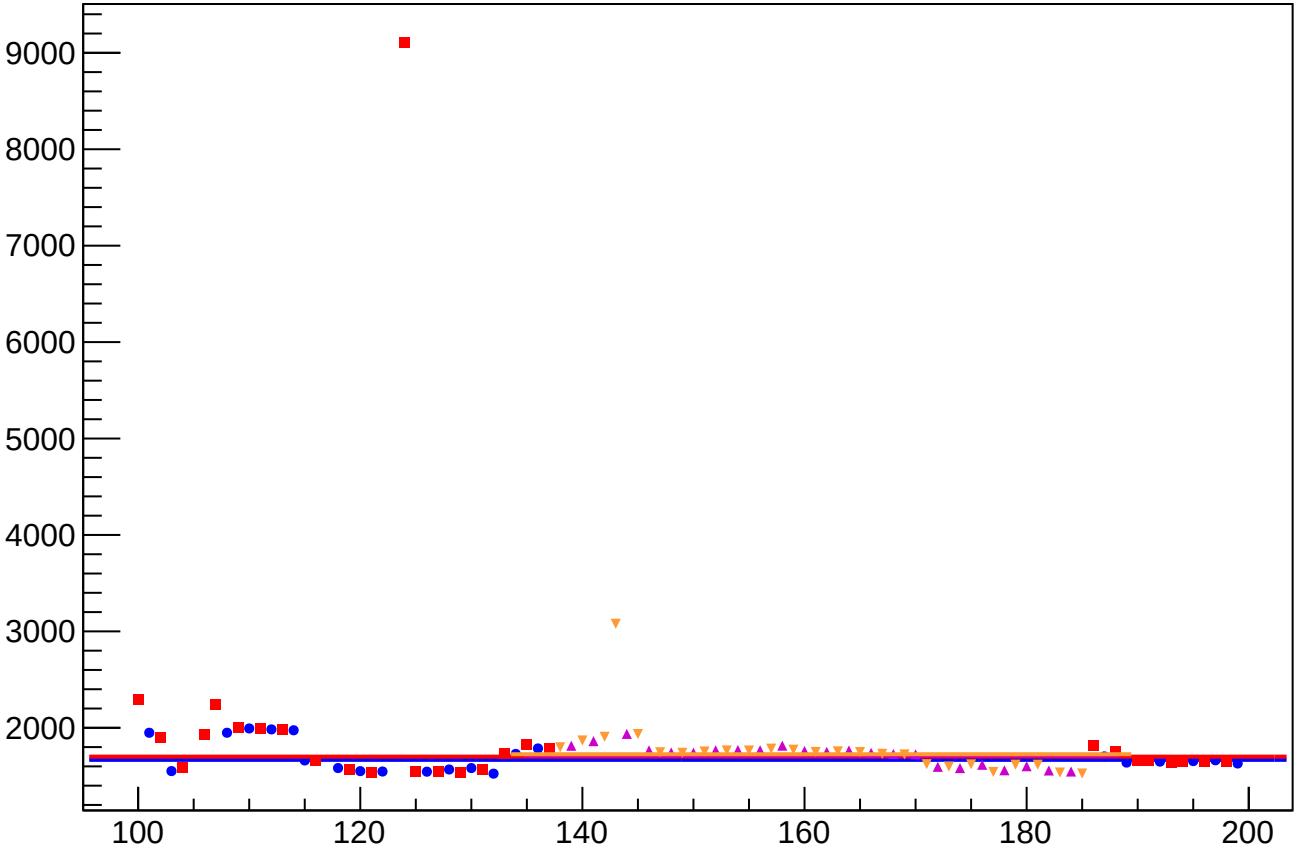
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1266.009+/-307.960 χ^2/NDF: 46.2/46

All: -382.661+/-217.773 χ^2/NDF: 156.0/96

- sign -2031.692+/-307.994 χ^2/NDF: 52.4/49

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.4/21

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

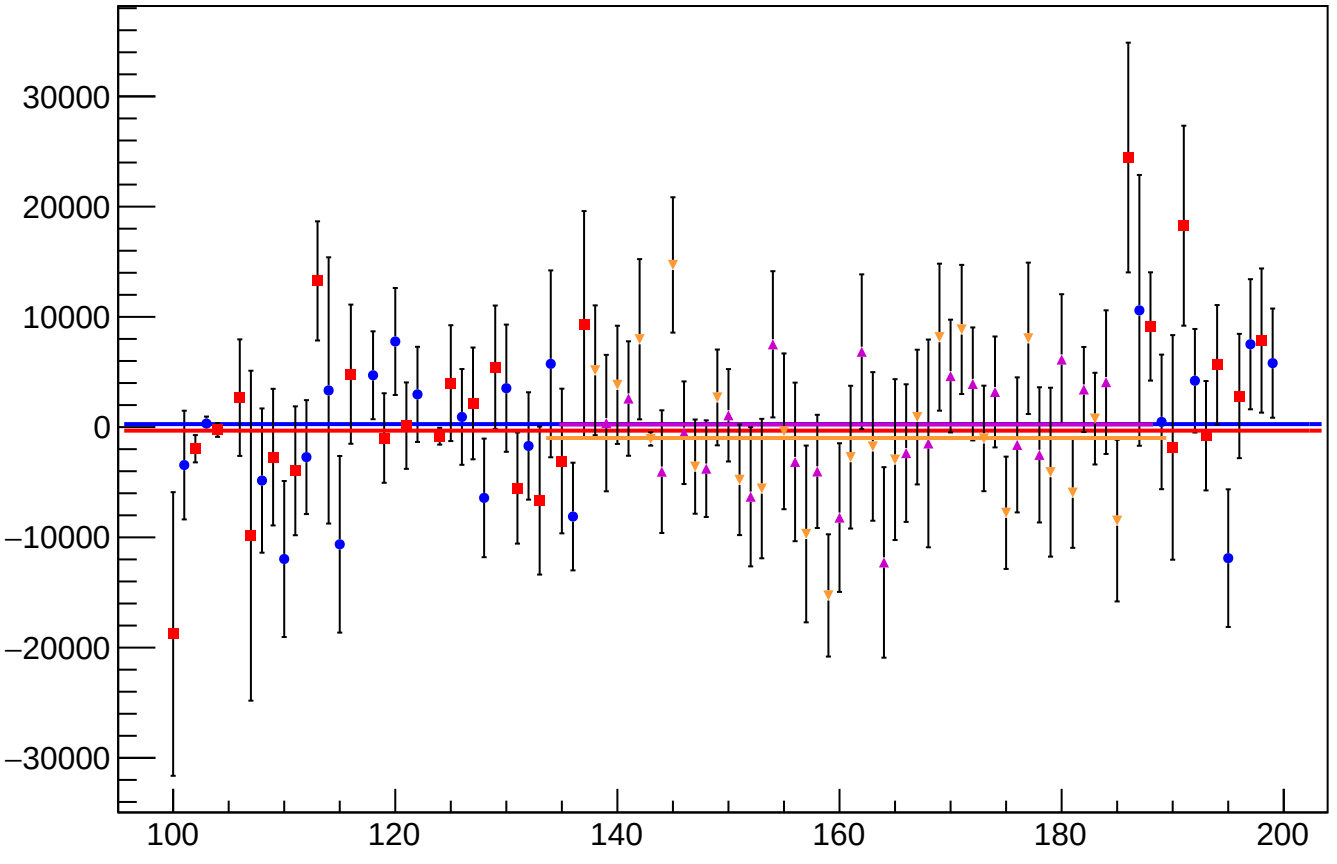
Right Out: 1700.980+/-0.340 χ^2/NDF: 399176.0/26

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1703.243+/-0.218 χ^2/NDF: 615939.5/46

All: 1705.702+/-0.154 χ^2/NDF: 1145418.9/96

- sign 1708.157+/-0.218 χ^2/NDF: 529224.4/49



Right In: 272.114+/-563.148 χ^2/NDF: 23.8/21

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -319.202+/-422.774 χ^2/NDF: 34.2/26

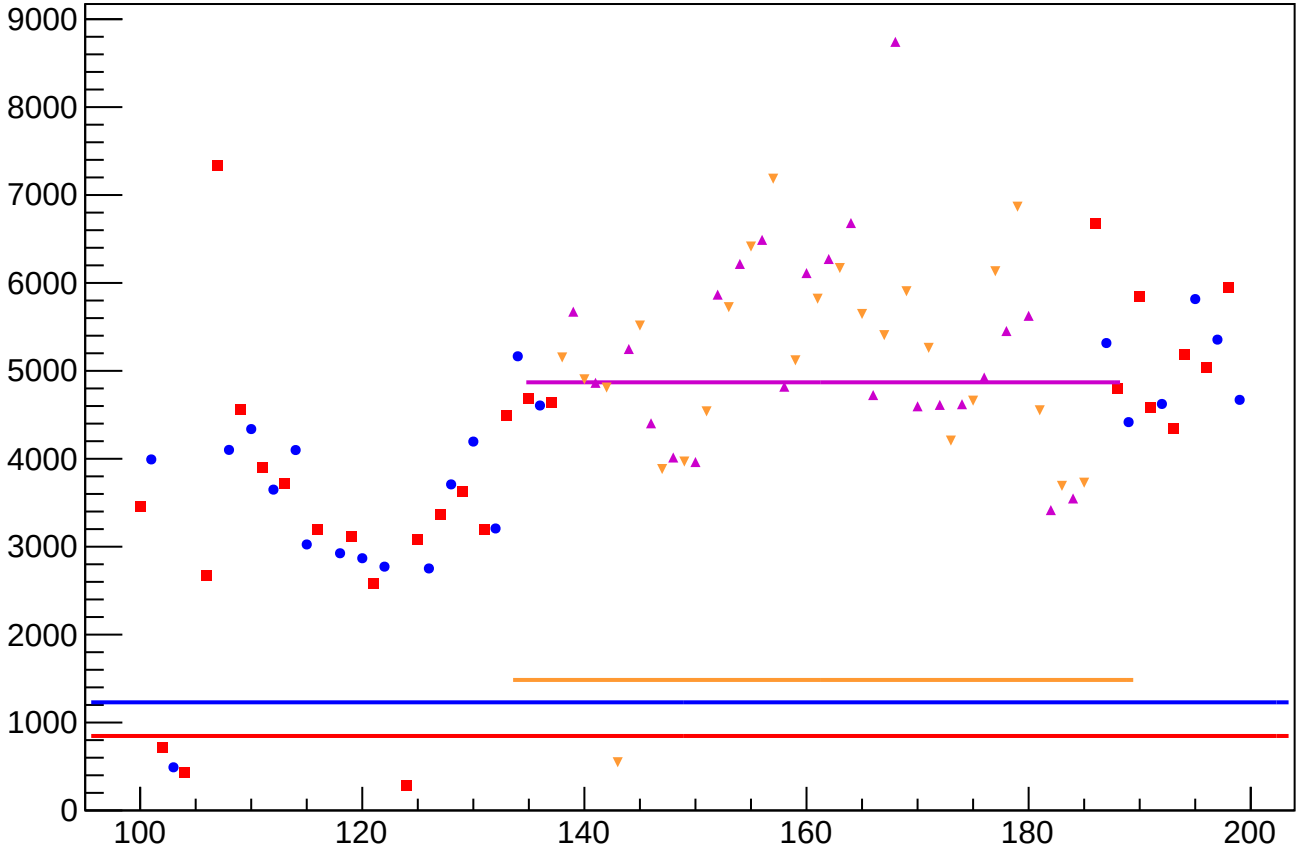
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -382.571+/-390.227 χ^2/NDF: 57.2/46

All: -319.554+/-278.439 χ^2/NDF: 105.2/96

\- sign -254.194+/-397.416 χ^2/NDF: 47.9/49

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1229.889+/-0.398 χ^2/NDF: 13333324.1/21

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 847.122+/-0.299 χ^2/NDF: 16523123.0/26

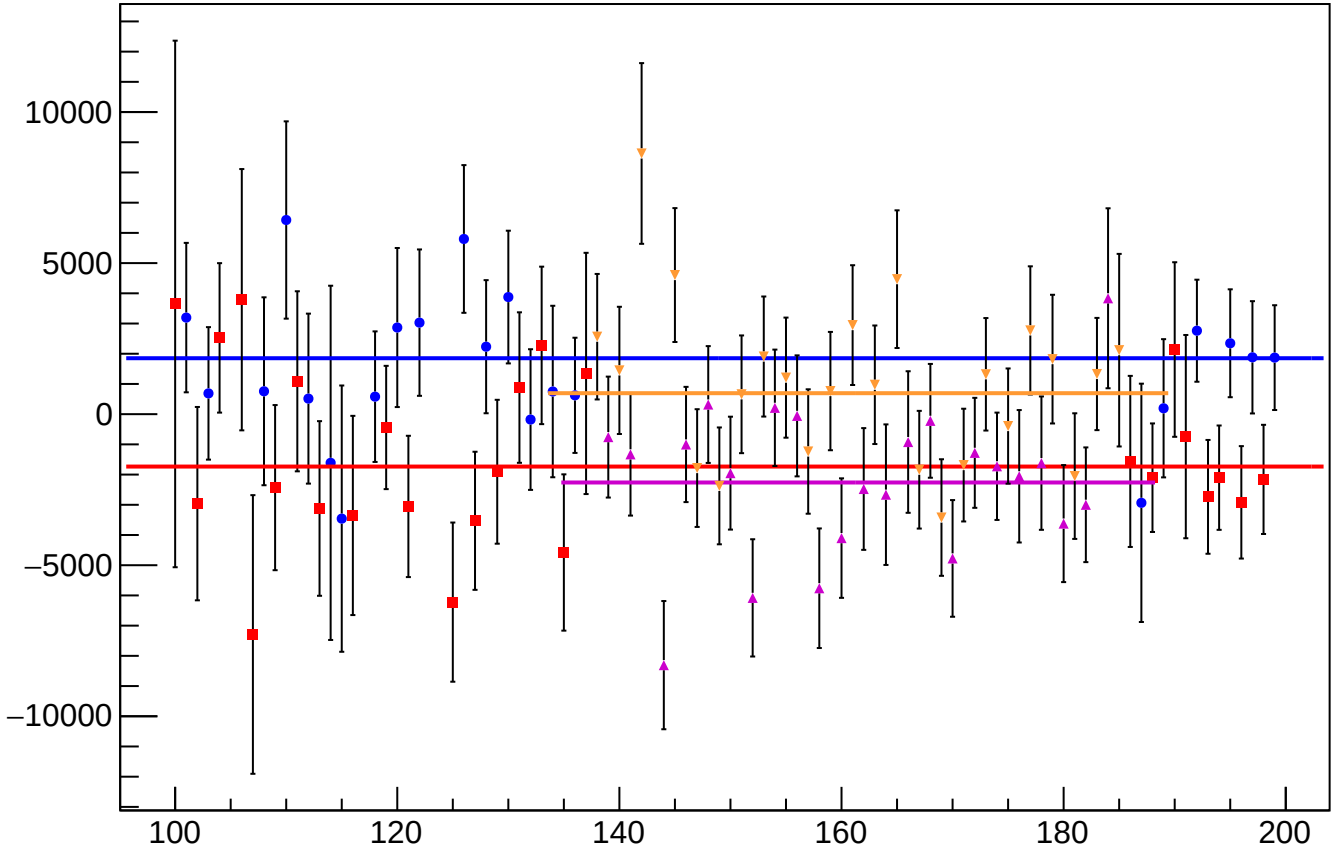
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1362.237+/-0.276 χ^2/NDF: 36771392.4/46

All: 1339.144+/-0.197 χ^2/NDF: 75851282.4/9

- sign 1315.192+/-0.281 χ^2/NDF: 39065621.0/49

dit_asym_atl_avg_mean vs Slug



Right In: 1851.685+/-499.348 χ^2/NDF: 12.6/21

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1734.389+/-491.268 χ^2/NDF: 20.2/25

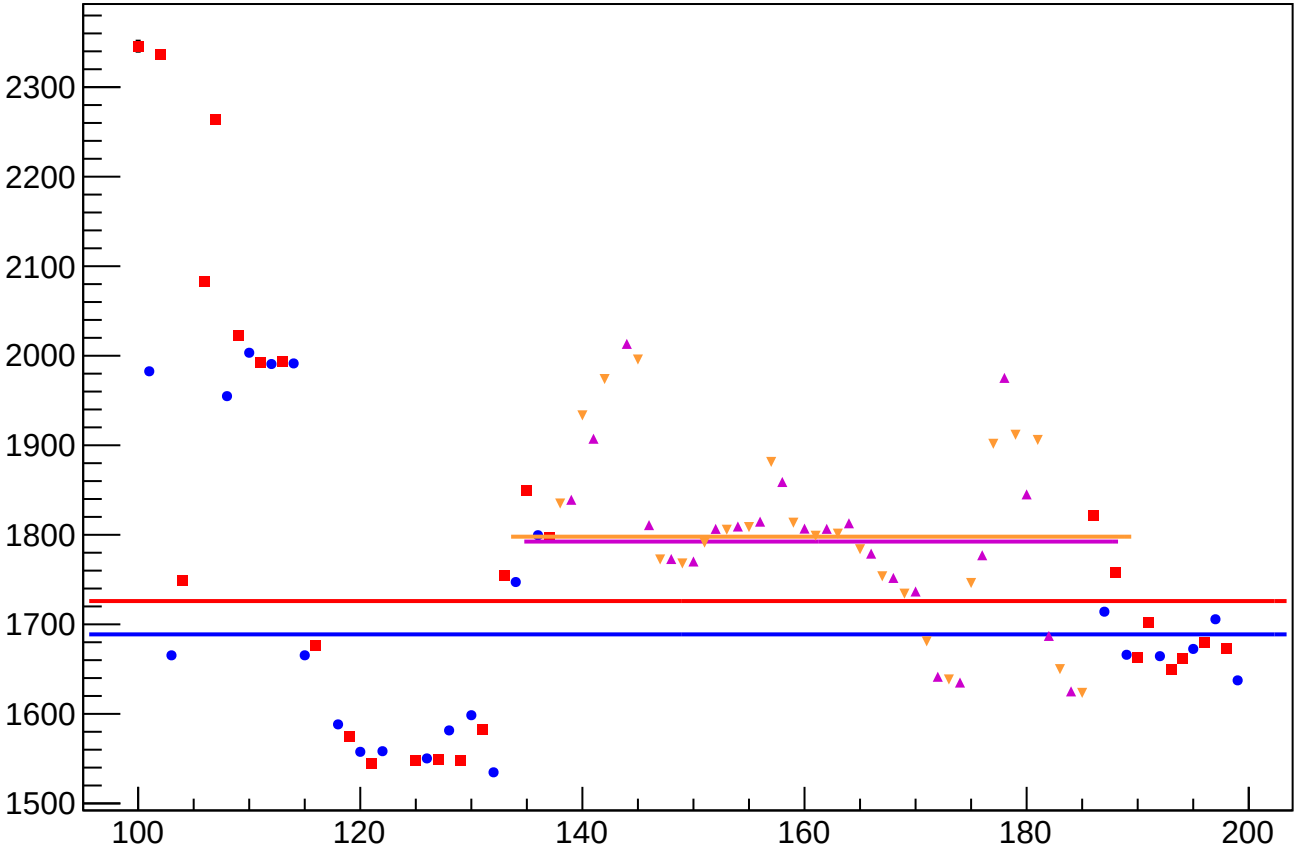
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1171.237+/-320.546 χ^2/NDF: 48.0/45

All: -442.564+/-226.067 χ^2/NDF: 149.7/94

- sign -2039.577+/-318.875 χ^2/NDF: 51.3/48

dit_asym_atl_avg_rms vs Slug



Right In: 1688.798+/-0.353 χ^2/NDF: 138860.3/21

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1726.006+/-0.347 χ^2/NDF: 264105.7/25

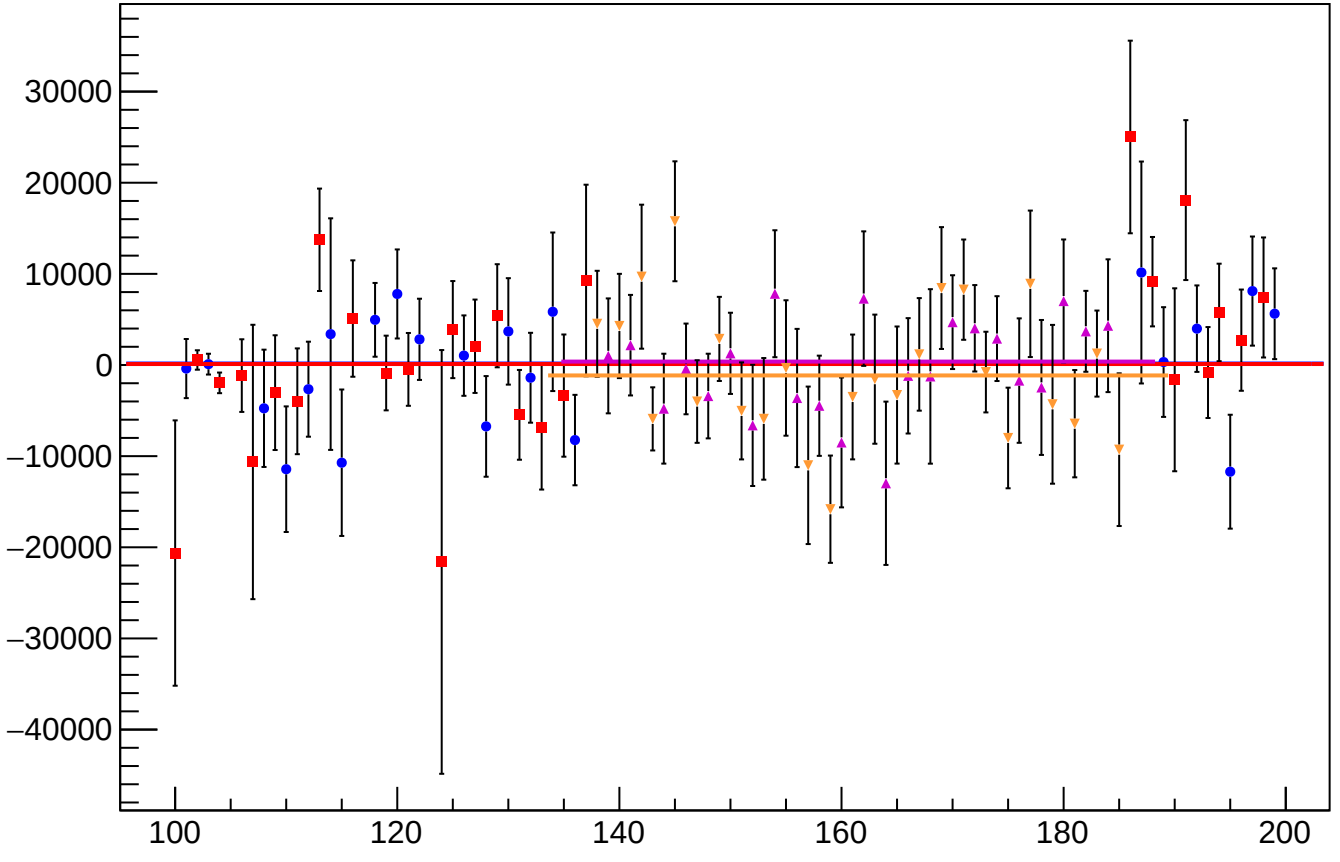
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1752.947+/-0.227 χ^2/NDF: 293004.7/45

All: 1758.715+/-0.160 χ^2/NDF: 672475.5/94

- sign 1764.416+/-0.225 χ^2/NDF: 378183.3/48

asym_atl_avg_dit_correction_mean vs Slug



Right In: 160.799+/-816.232 χ^2/NDF: 23.1/21

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 107.408+/-649.289 χ^2/NDF: 35.0/26

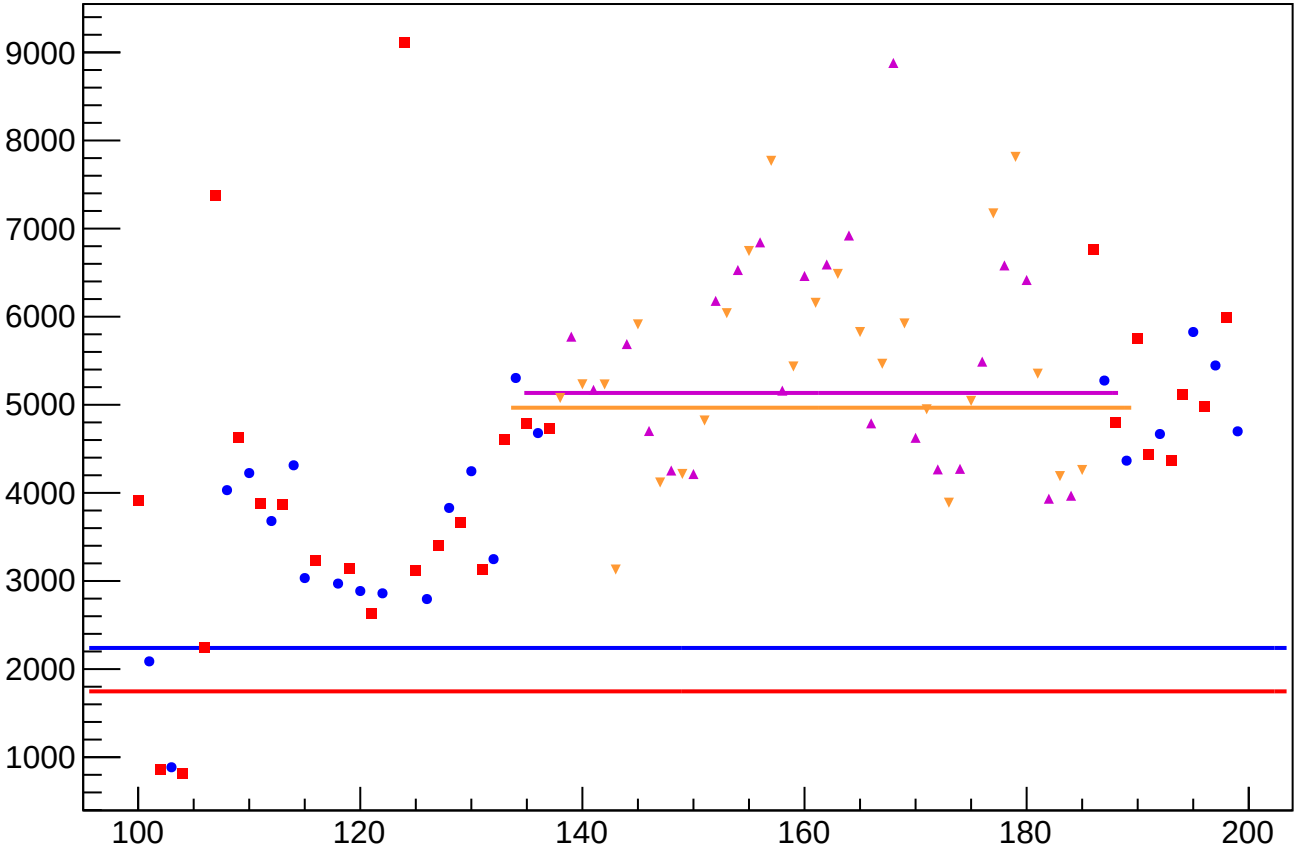
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -269.215+/-668.384 χ^2/NDF: 56.5/46

All: -18.871+/-435.488 χ^2/NDF: 105.0/96

- sign 165.805+/-574.065 χ^2/NDF: 48.3/49

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2239.940+/-0.577 χ^2/NDF: 7372611.7/21

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1747.156+/-0.459 χ^2/NDF: 10966751.9/26

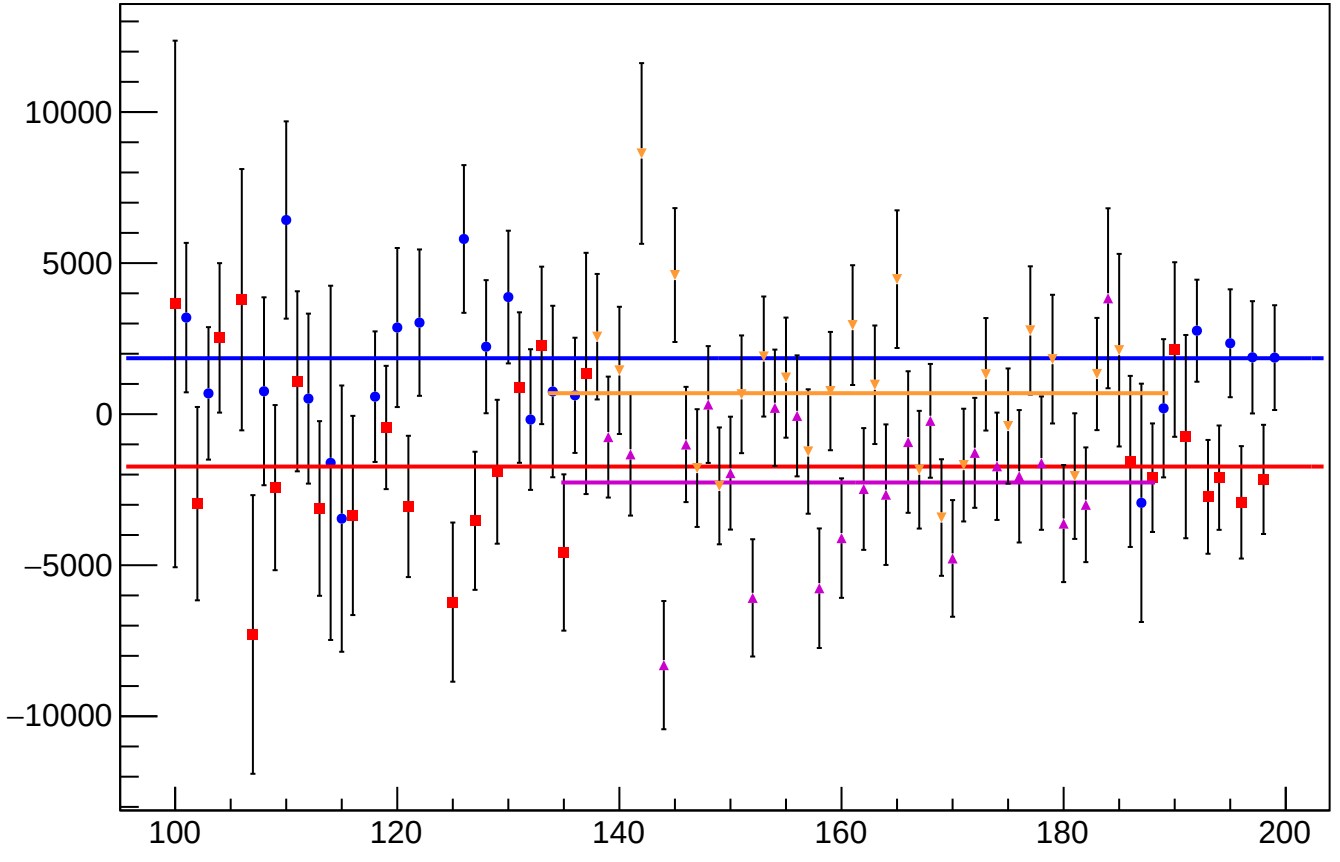
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3138.359+/-0.473 χ^2/NDF: 16645119.1/46

All: 2763.265+/-0.308 χ^2/NDF: 42075479.8/9

- sign 2486.564+/-0.406 χ^2/NDF: 24335824.2/49

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1851.681+/-499.348 χ^2/NDF: 12.6/21

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1734.386+/-491.268 χ^2/NDF: 20.2/25

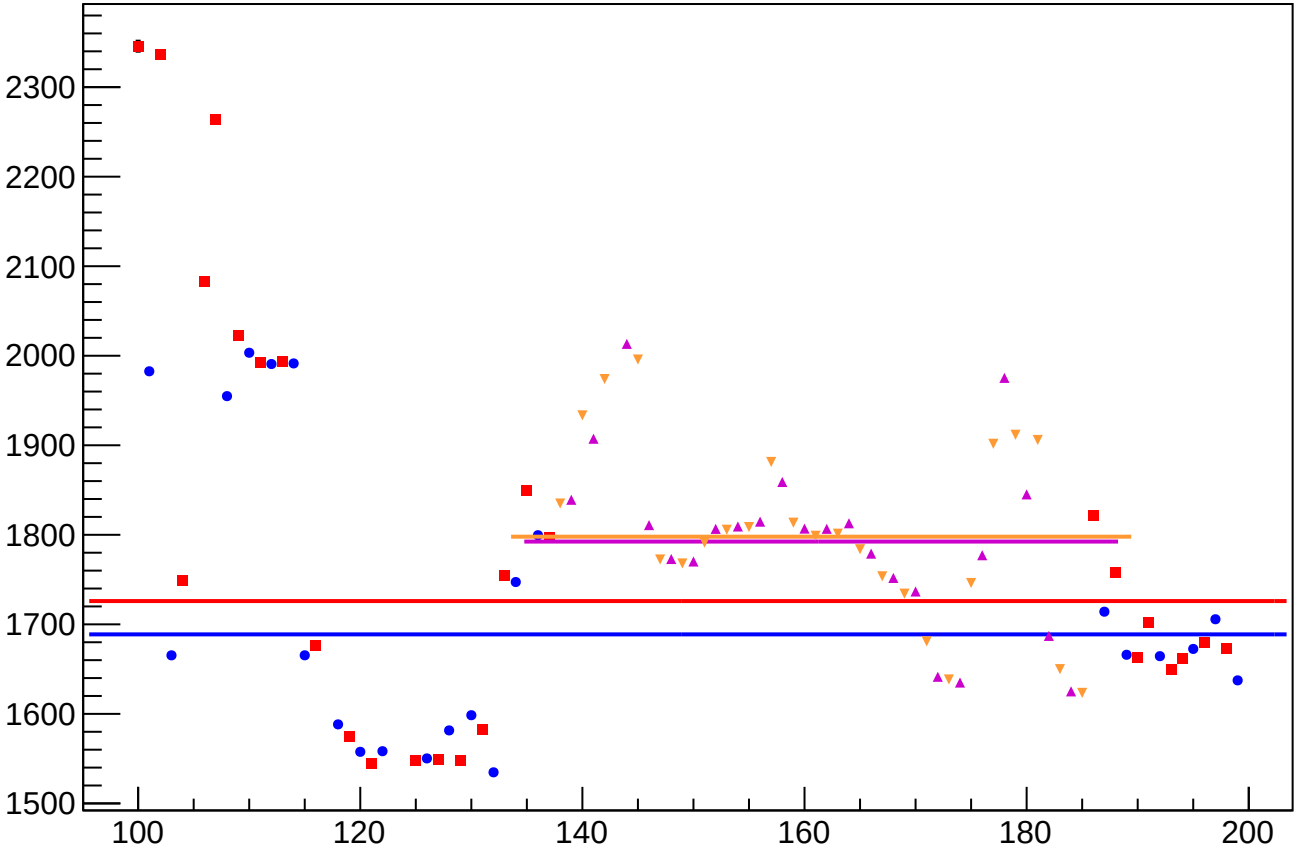
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1171.233+/-320.546 χ^2/NDF: 48.0/45

All: -442.565+/-226.067 χ^2/NDF: 149.7/94

- sign -2039.575+/-318.875 χ^2/NDF: 51.3/48

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1688.797+/-0.353 χ^2/NDF: 138860.6/21

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1726.006+/-0.347 χ^2/NDF: 264105.0/25

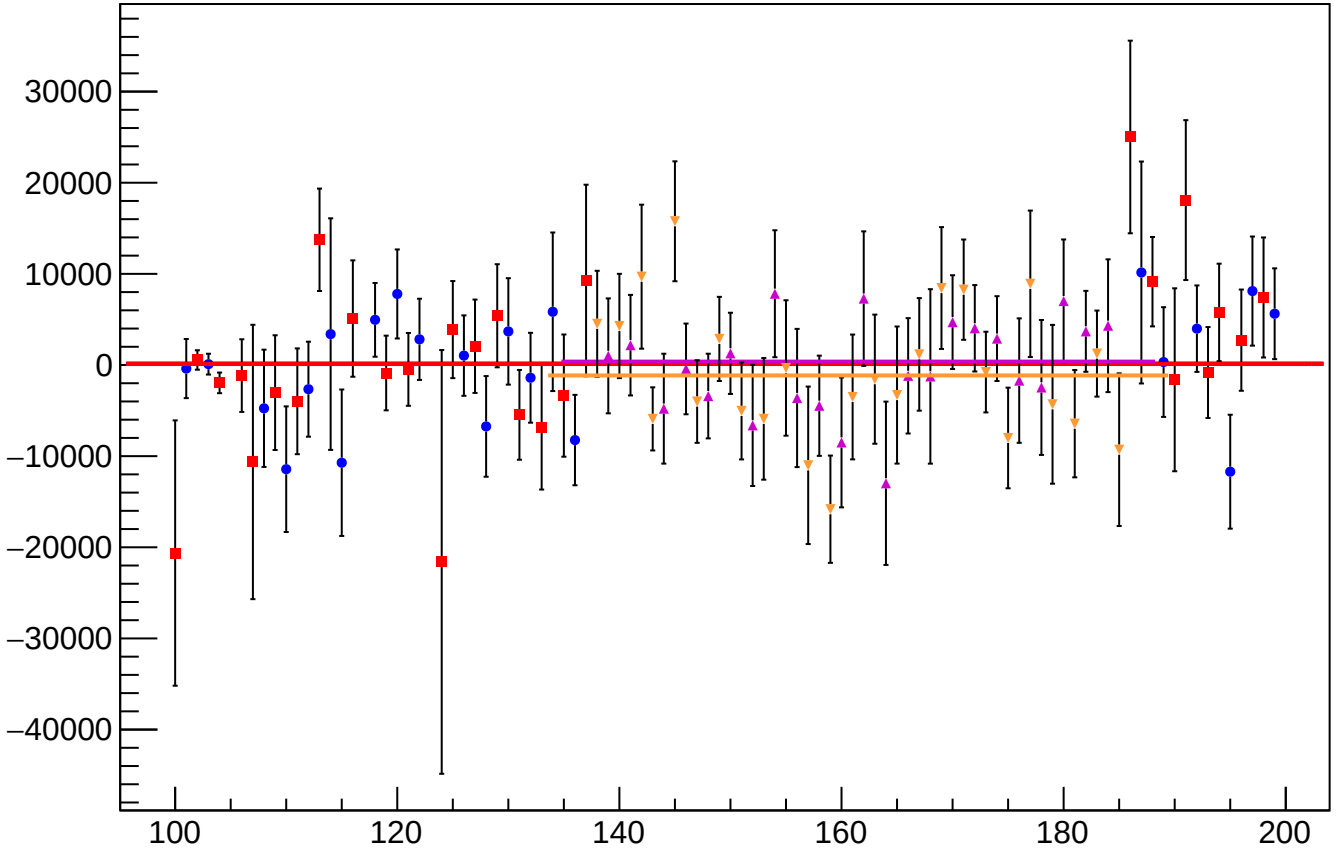
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1752.948+/-0.227 χ^2/NDF: 293009.9/45

All: 1758.715+/-0.160 χ^2/NDF: 672484.1/94

- sign 1764.416+/-0.225 χ^2/NDF: 378186.8/48

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 160.800+/-816.228 χ^2/NDF: 23.1/21

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 107.402+/-649.285 χ^2/NDF: 35.0/26

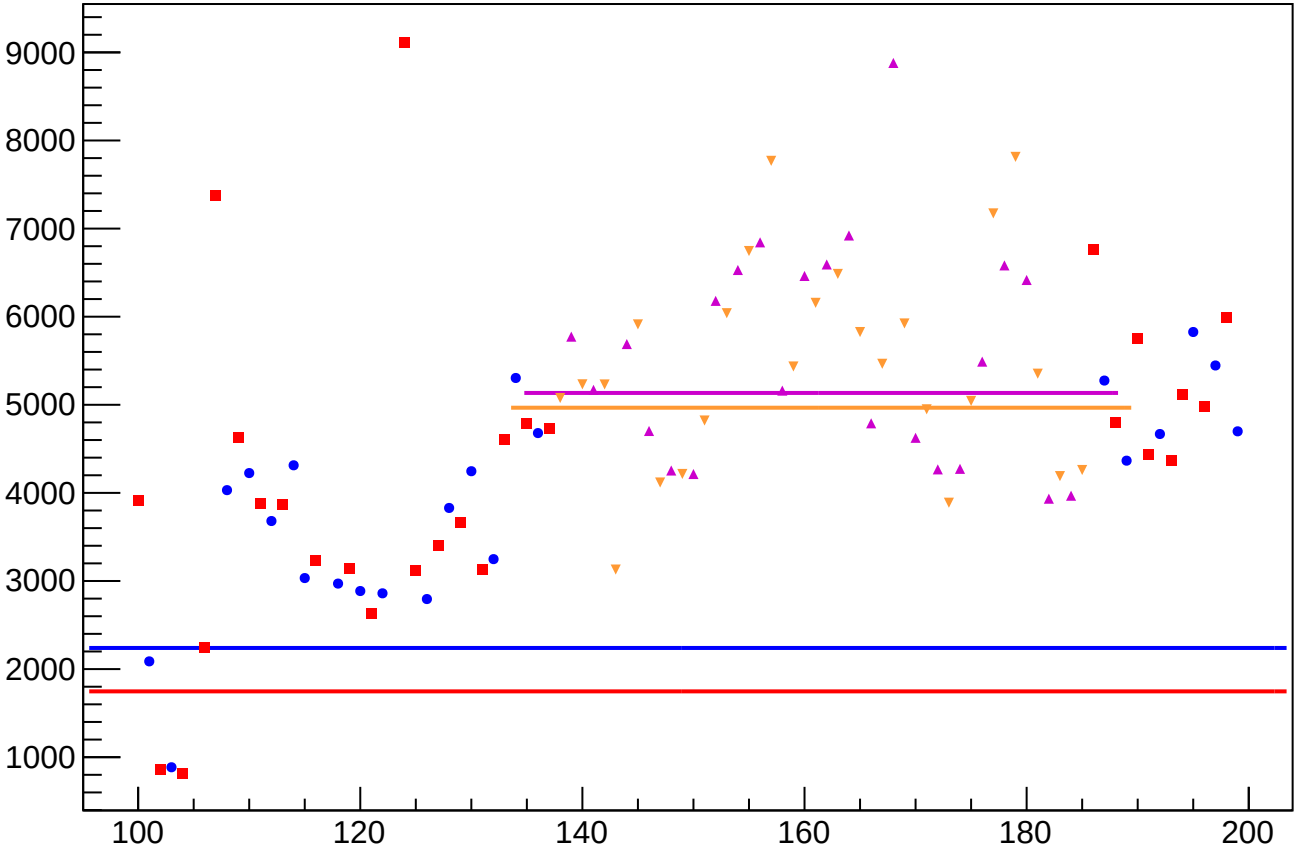
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -269.212+/-668.381 χ^2/NDF: 56.5/46

All: -18.872+/-435.486 χ^2/NDF: 105.0/96

- sign 165.799+/-574.063 χ^2/NDF: 48.3/49

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2239.921+/-0.577 χ^2/NDF: 7372689.8/21

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1747.140+/-0.459 χ^2/NDF: 10966834.9/26

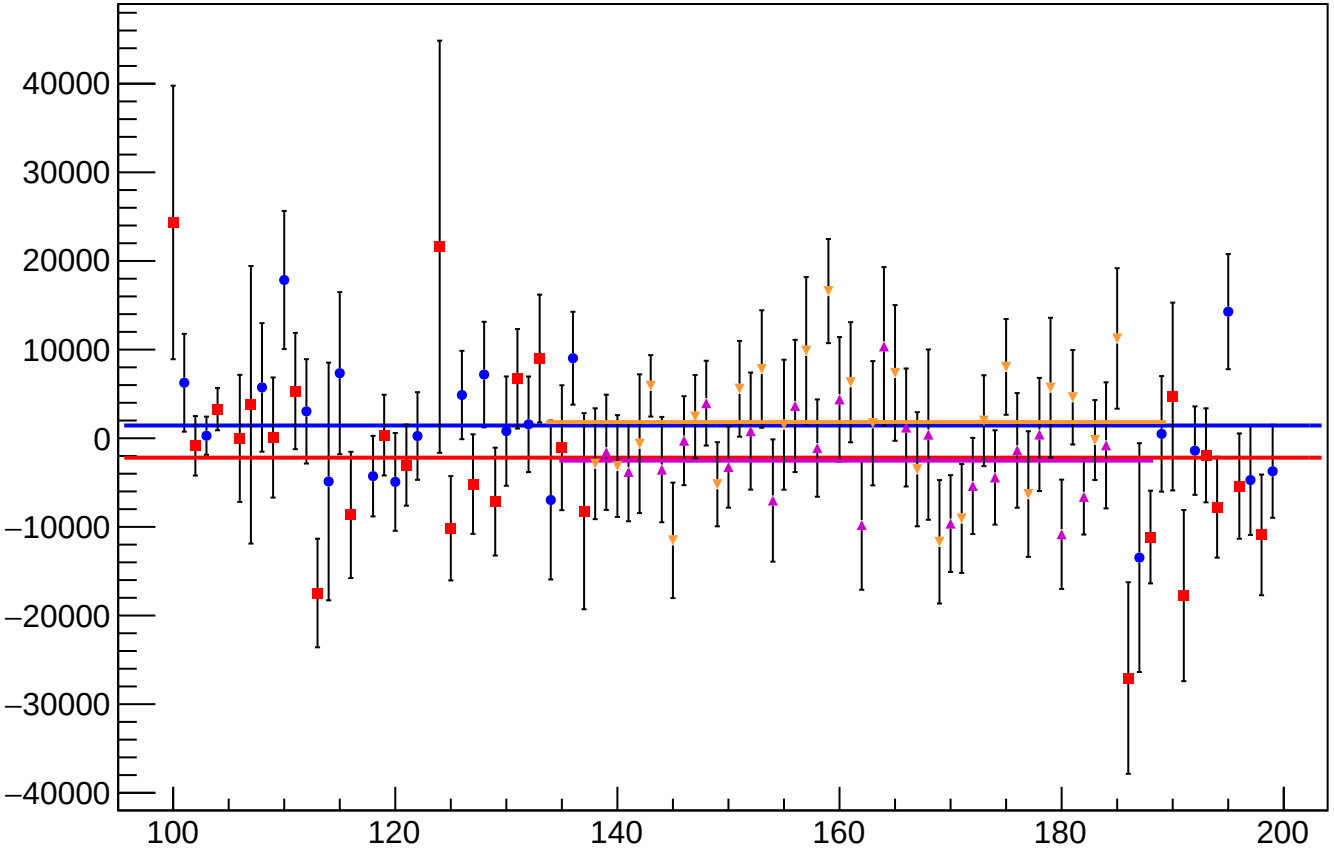
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3138.340+/-0.473 χ^2/NDF: 16645355.9/46

All: 2763.245+/-0.308 χ^2/NDF: 42075997.4/9

- sign 2486.543+/-0.406 χ^2/NDF: 24336089.3/49

asym_atl_avg_mean vs Slug



Right In: 1439.342+/-1127.588 χ^2/NDF: 21.5/21

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -2189.585+/-1097.707 χ^2/NDF: 40.6/26

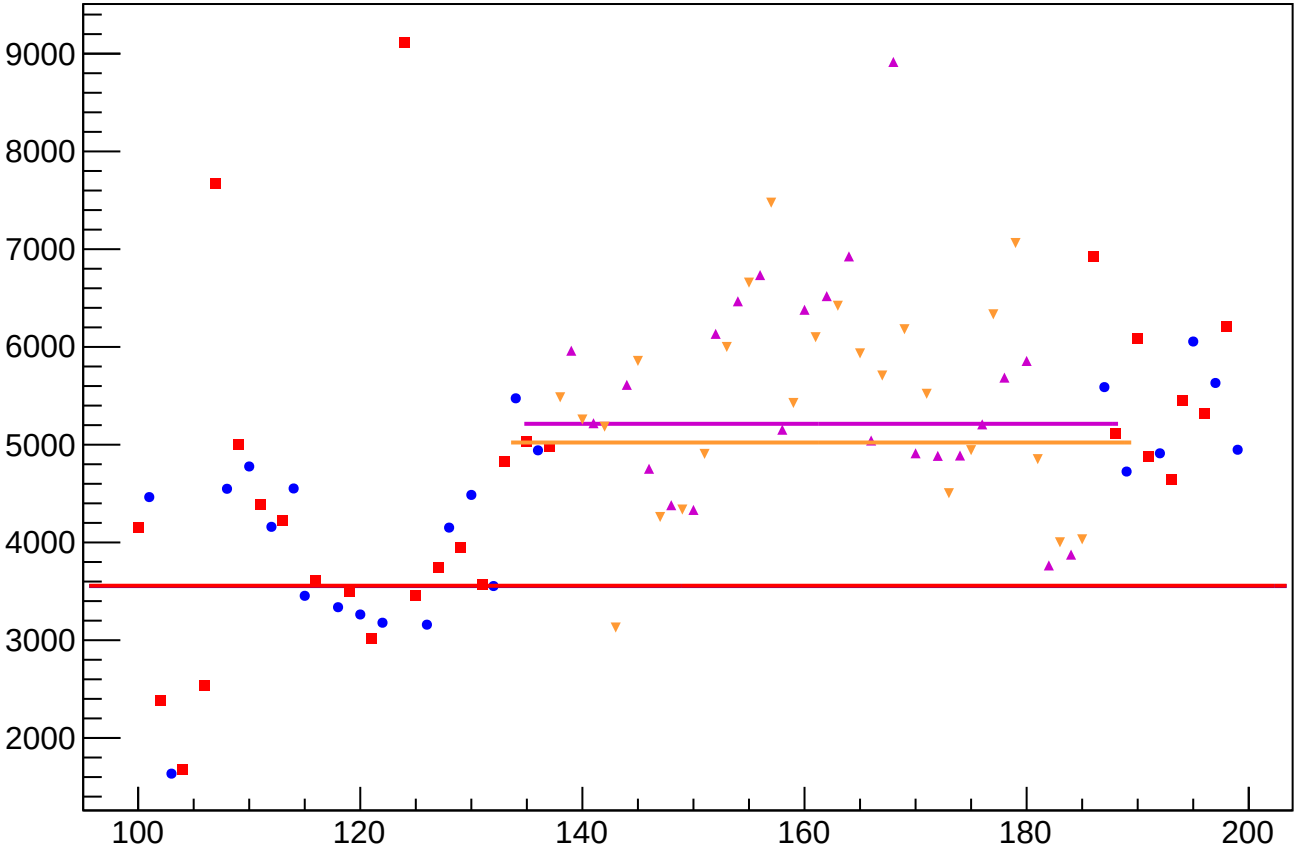
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1625.224+/-812.731 χ^2/NDF: 52.6/46

All: -333.002+/-578.116 χ^2/NDF: 118.2/96

- sign -2338.654+/-822.514 χ^2/NDF: 53.9/49

asym_atl_avg_rms vs Slug



Right In: 3553.878+/-0.797 χ^2/NDF: 3020188.2/21

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3557.146+/-0.767 χ^2/NDF: 3508627.5/26

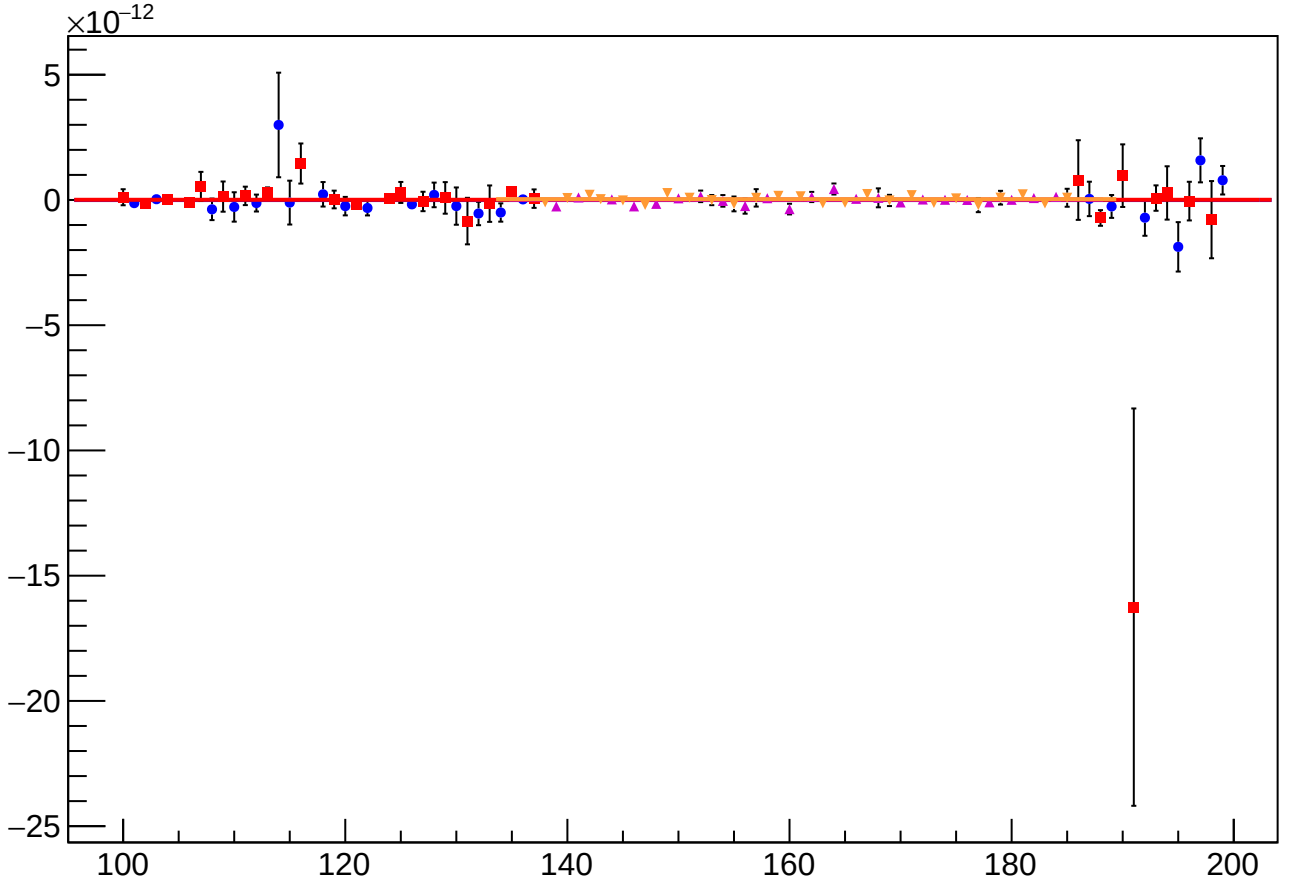
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4259.491+/-0.575 χ^2/NDF: 6326769.7/46

All: 4266.488+/-0.407 χ^2/NDF: 13077740.4/9

- sign 4273.556+/-0.578 χ^2/NDF: 6750672.7/49

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/26

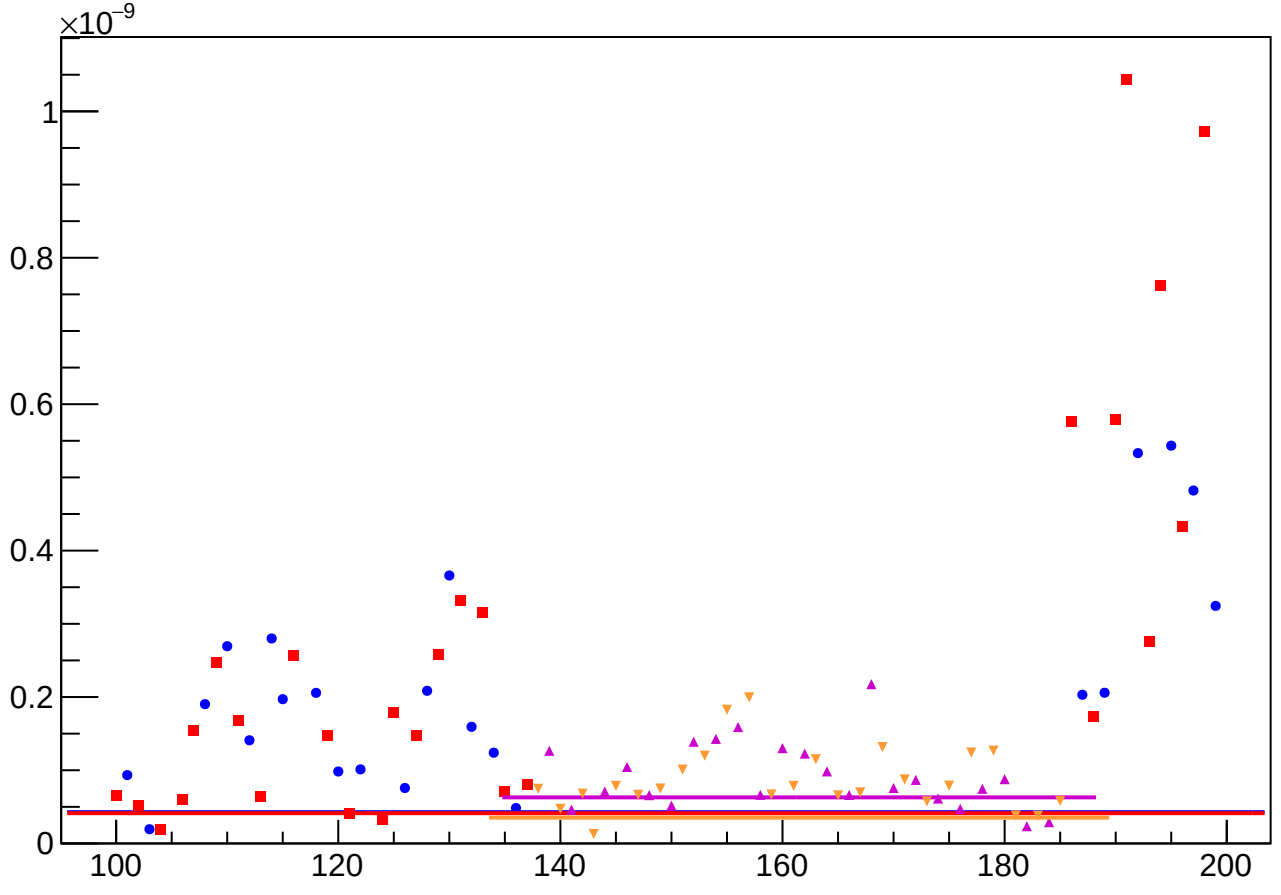
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/46

All: 0.000+/-0.000 χ^2/NDF: 91.7/96

- sign 0.000+/-0.000 χ^2/NDF: 44.9/49

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5719692.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6308564.3/26

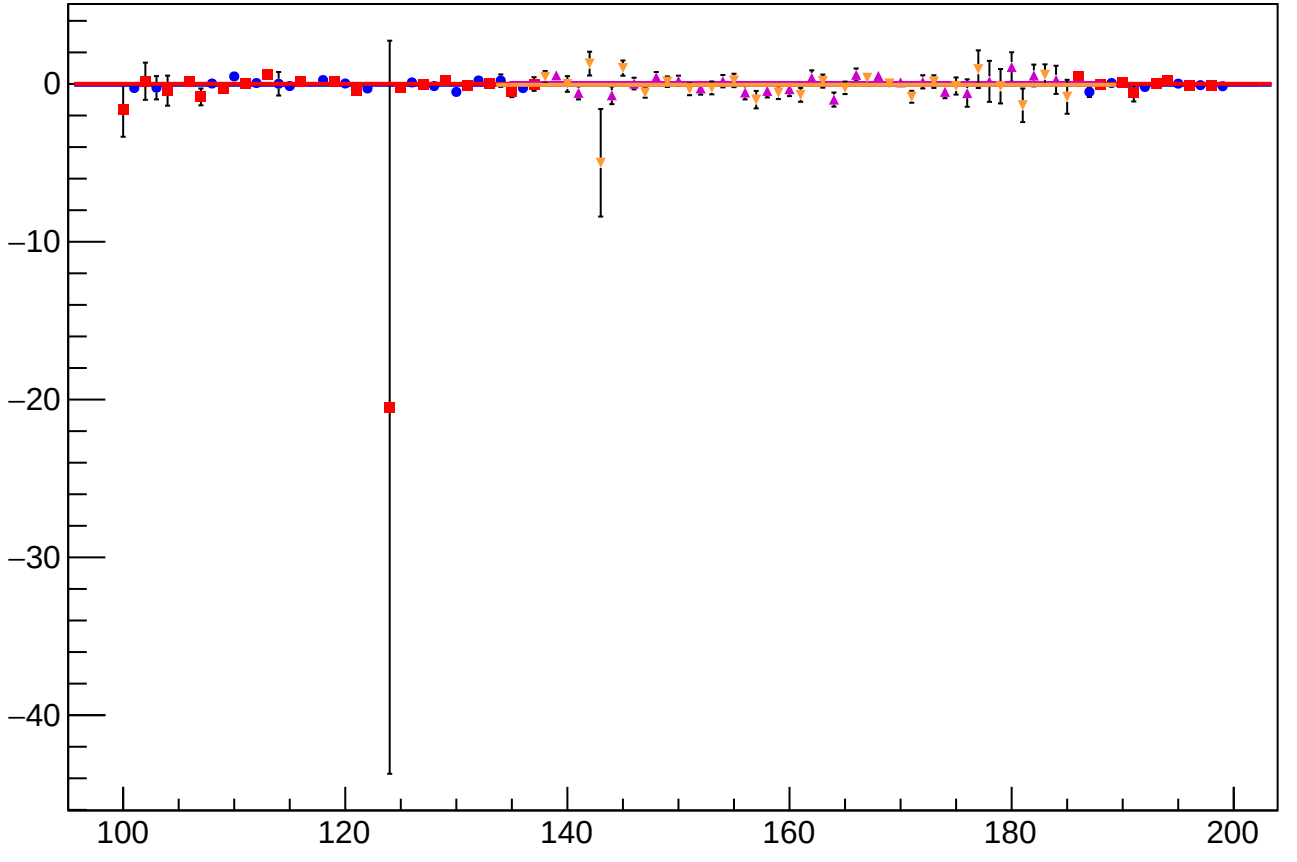
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12306125.2/46

All: 0.000+/-0.000 χ^2/NDF: 22877338.1/96

- sign 0.000+/-0.000 χ^2/NDF: 9761915.5/49

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.010+/-0.041 χ^2/NDF: 29.2/26

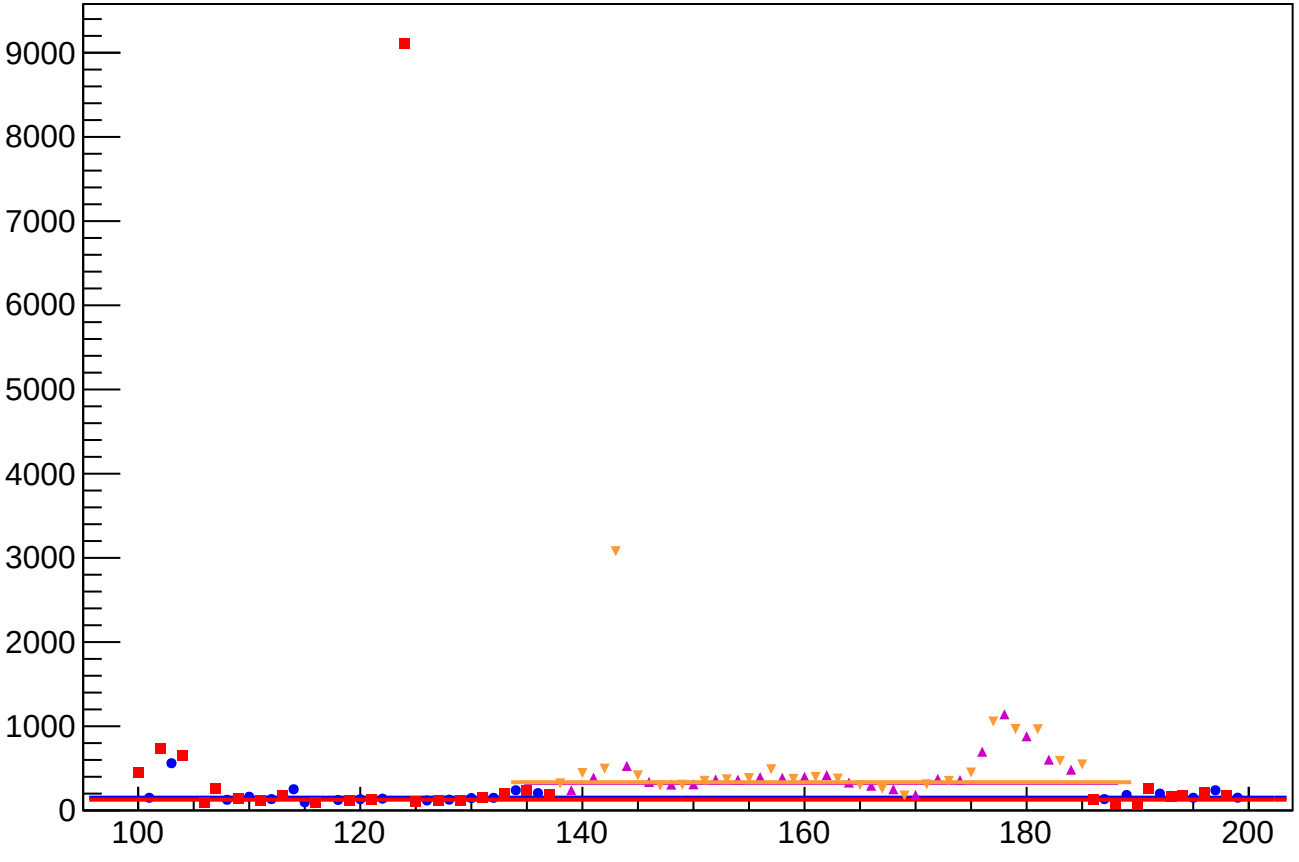
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.054+/-0.042 χ^2/NDF: 53.6/46

All: -0.012+/-0.028 χ^2/NDF: 112.9/96

- sign 0.020+/-0.037 χ^2/NDF: 57.6/49

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 152.177+/-0.034 χ^2/NDF: 1491688.4/21

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

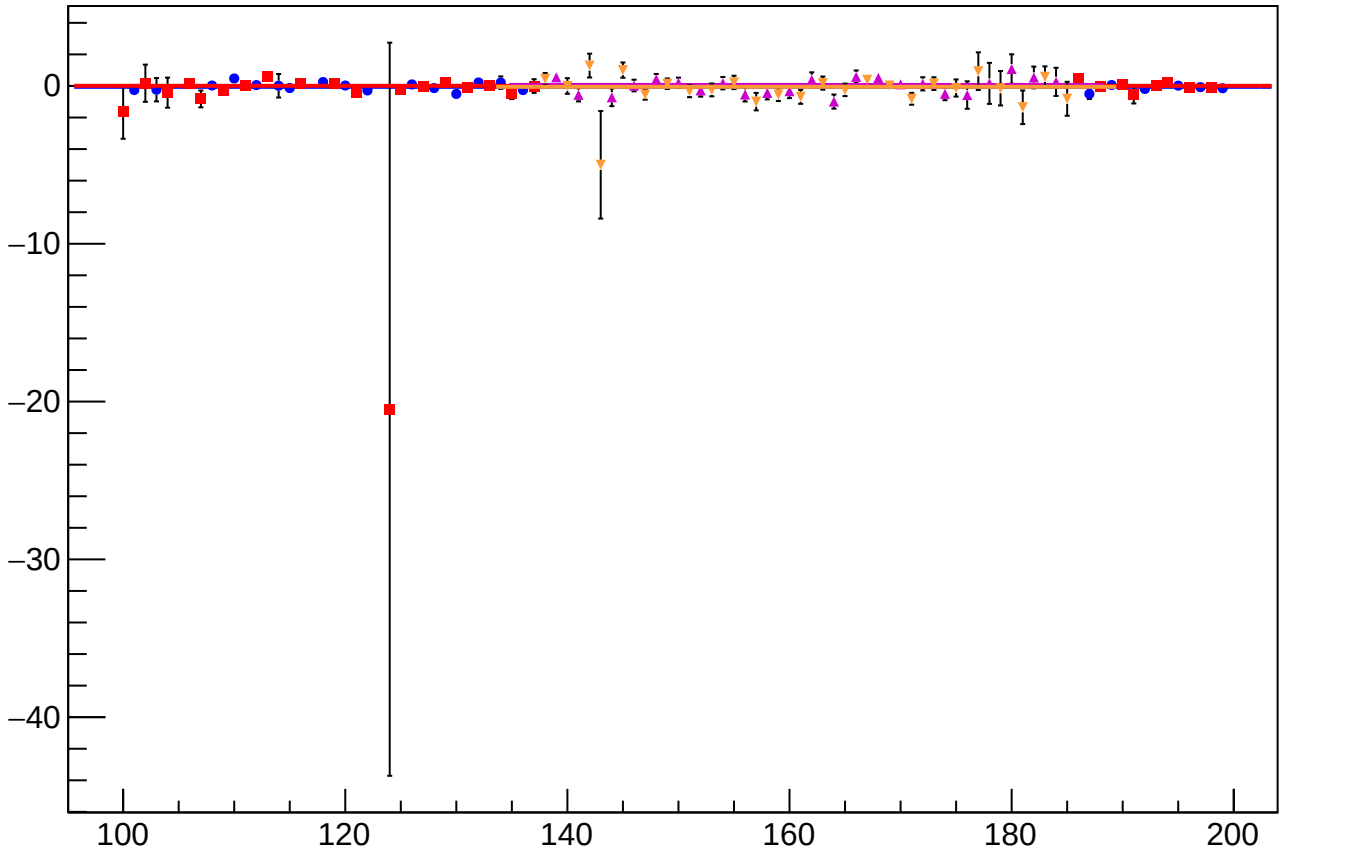
Right Out: 128.080+/-0.029 χ^2/NDF: 3620565.3/26

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 197.086+/-0.030 χ^2/NDF: 14402778.3/46

All: 180.600+/-0.020 χ^2/NDF: 32037216.9/96

- sign 167.808+/-0.026 χ^2/NDF: 17084997.2/49



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.010+/-0.041 χ^2/NDF: 29.2/26

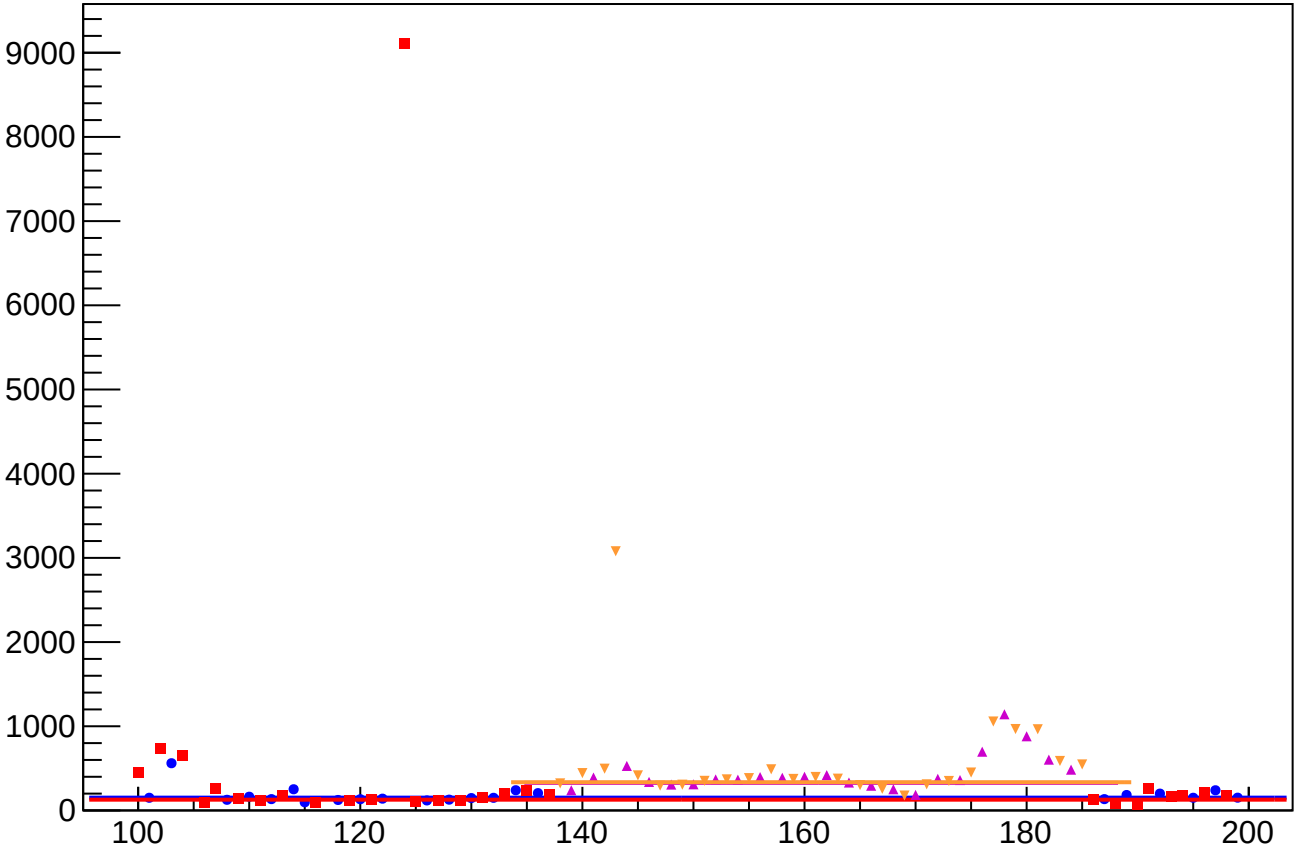
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.054+/-0.042 χ^2/NDF: 53.6/46

All: -0.012+/-0.028 χ^2/NDF: 112.9/96

- sign 0.020+/-0.037 χ^2/NDF: 57.6/49

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.177+/-0.034 χ^2/NDF: 1491688.4/21

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

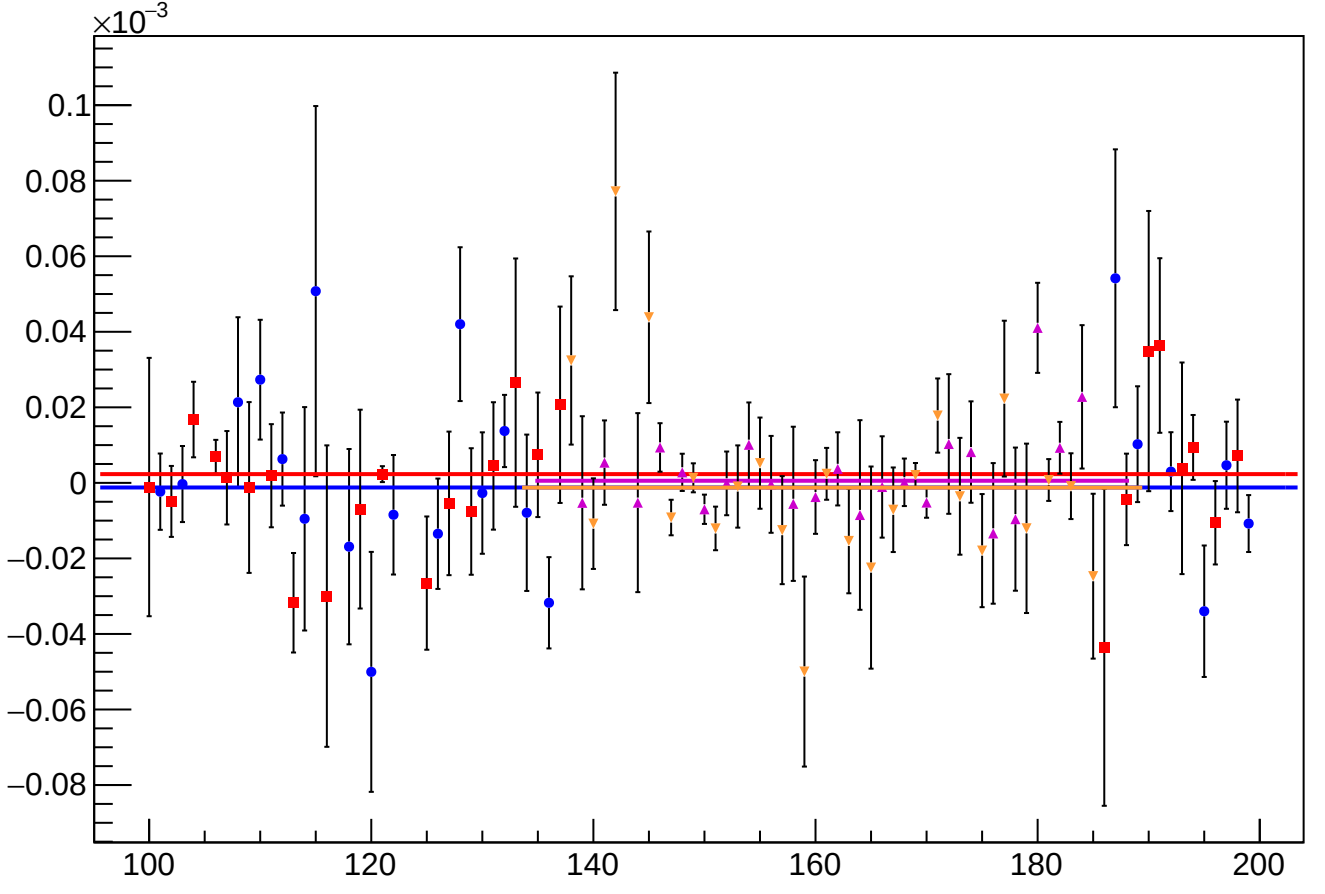
Right Out: 128.080+/-0.029 χ^2/NDF: 3620565.3/26

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 197.086+/-0.030 χ^2/NDF: 14402778.3/46

All: 180.600+/-0.020 χ^2/NDF: 32037216.9/96

- sign 167.808+/-0.026 χ^2/NDF: 17084997.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 31.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/25

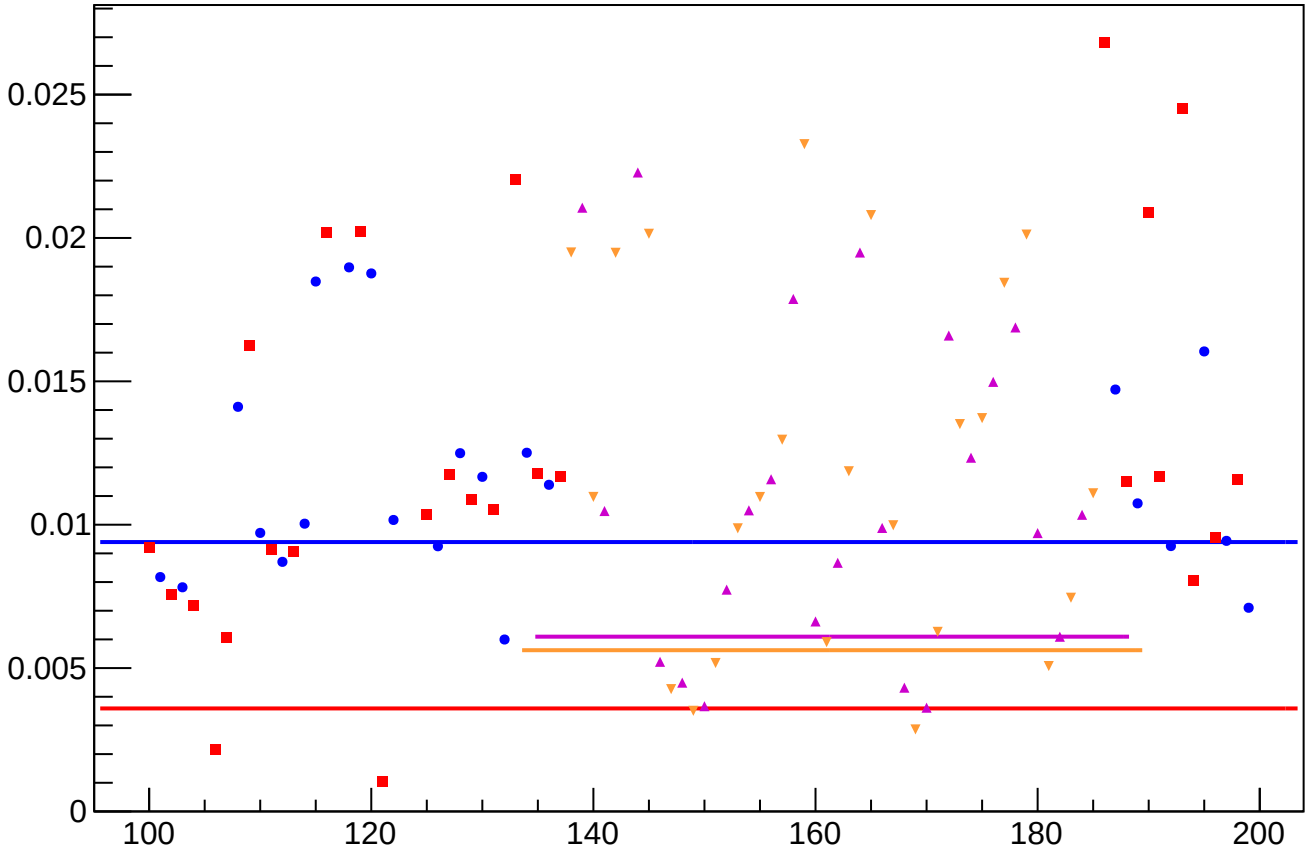
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.4/45

All: 0.000+/-0.000 χ^2/NDF: 117.8/94

- sign 0.000+/-0.000 χ^2/NDF: 48.2/48

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1676404.9/21

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

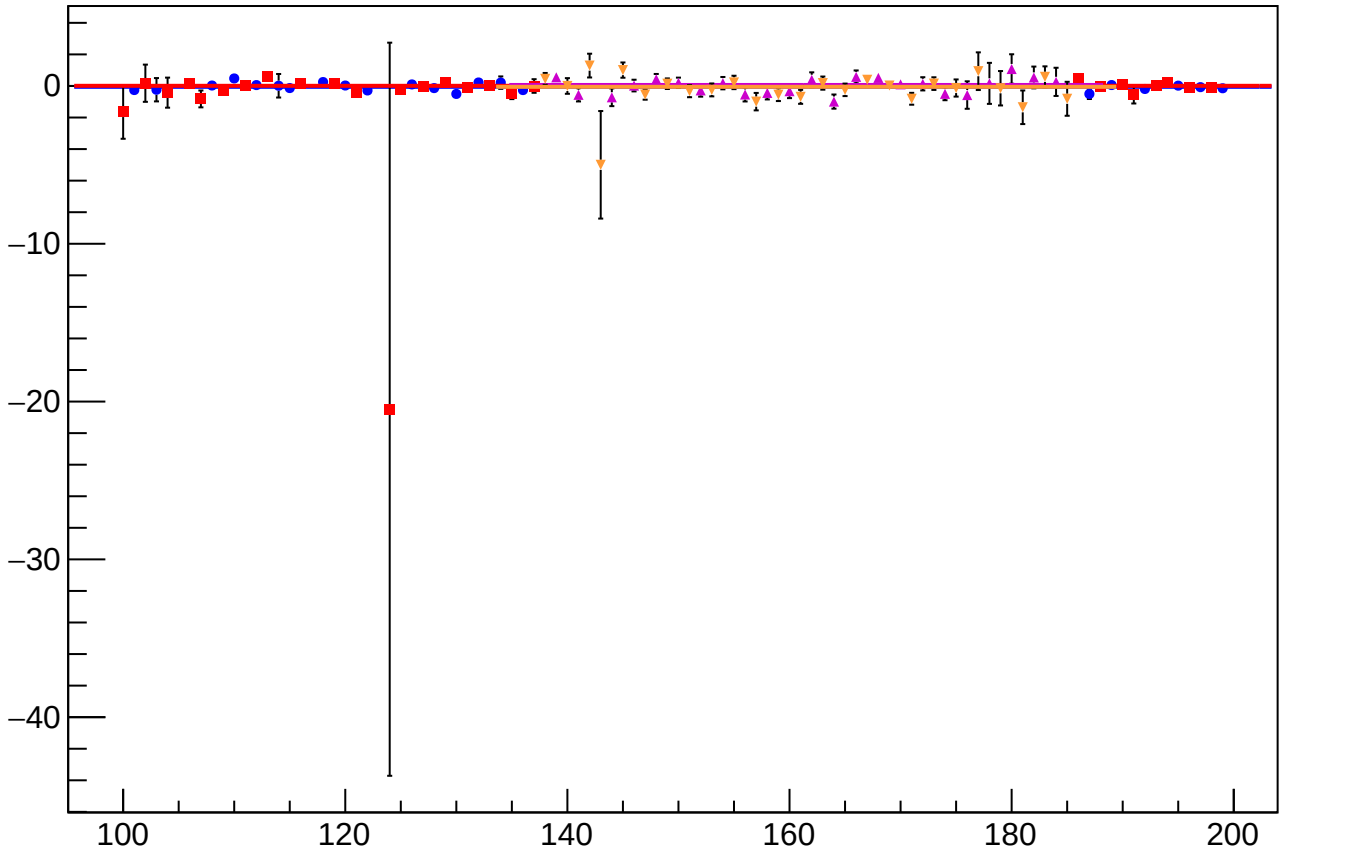
Right Out: 0.004+/-0.000 χ^2/NDF: 13947578.0/25

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 15358969.7/45

All: 0.005+/-0.000 χ^2/NDF: 42048022.5/94

- sign 0.005+/-0.000 χ^2/NDF: 24963794.5/48



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.010+/-0.041 χ^2/NDF: 29.3/26

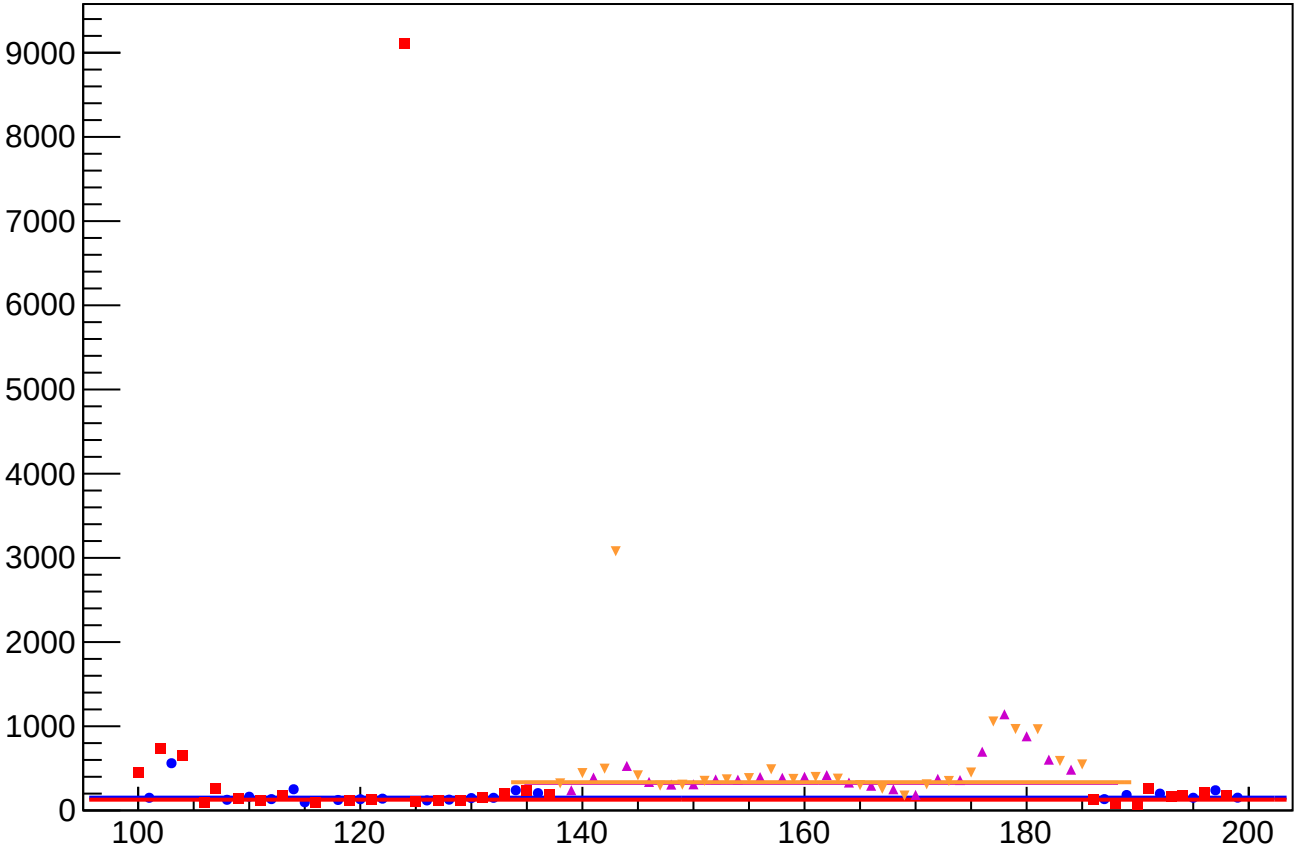
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.054+/-0.042 χ^2/NDF: 53.6/46

All: -0.012+/-0.028 χ^2/NDF: 112.9/96

- sign 0.020+/-0.037 χ^2/NDF: 57.6/49

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 152.176+/-0.034 χ^2/NDF: 1491712.7/21

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

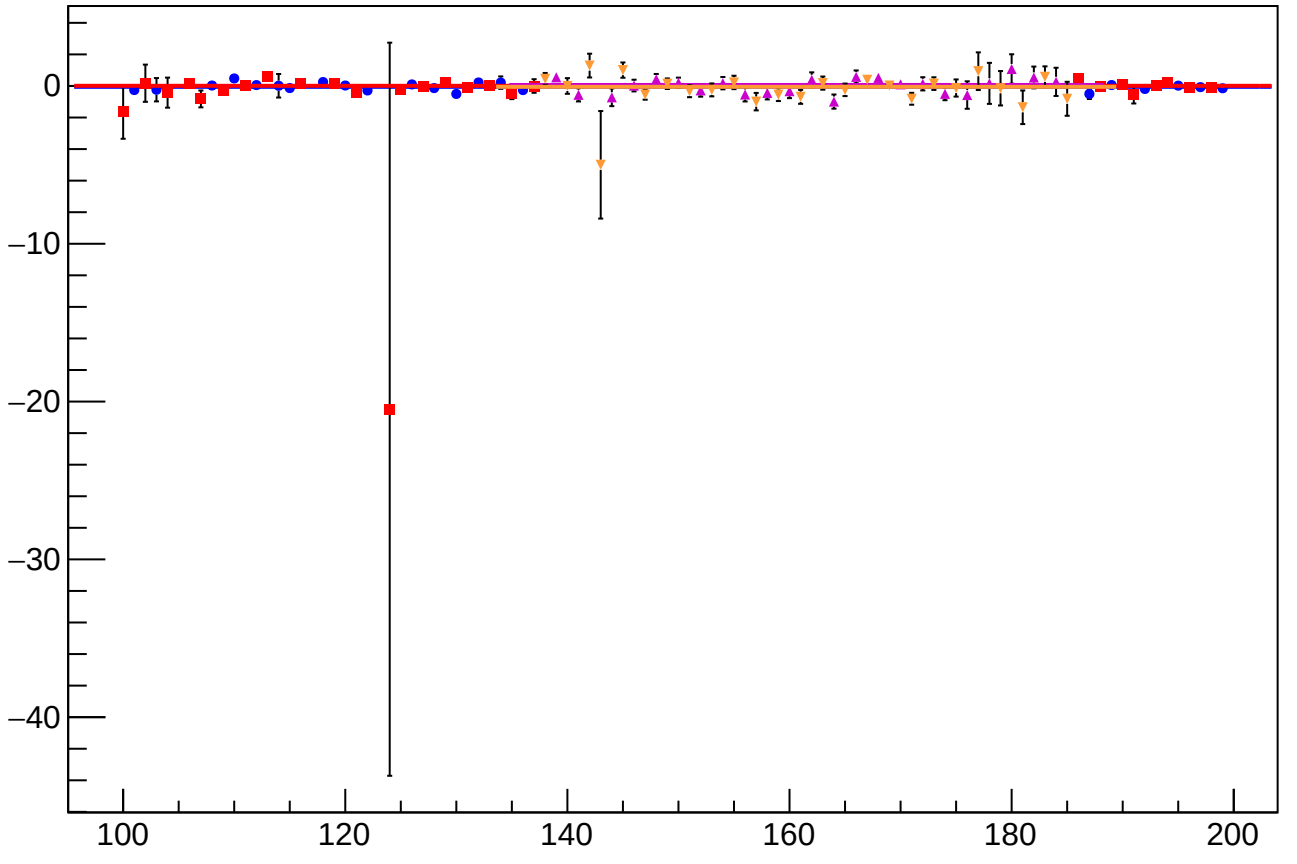
Right Out: 128.078+/-0.029 χ^2/NDF: 3620583.9/26

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 197.085+/-0.030 χ^2/NDF: 14403060.5/46

All: 180.598+/-0.020 χ^2/NDF: 32037950.6/96

- sign 167.806+/-0.026 χ^2/NDF: 17085395.4/49



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.010+/-0.041 χ^2/NDF: 29.3/26

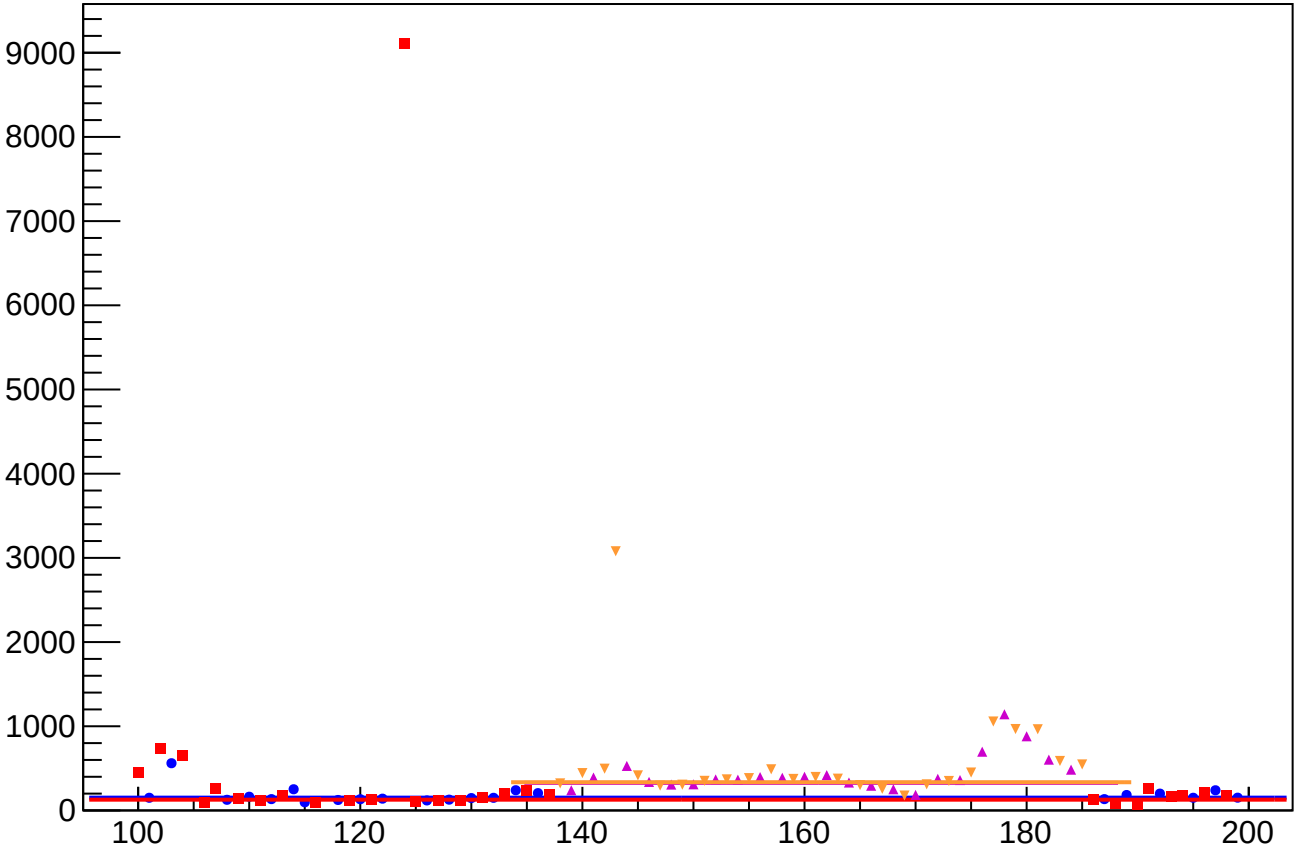
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

\+ sign -0.054+/-0.042 χ^2/NDF: 53.6/46

All: -0.012+/-0.028 χ^2/NDF: 112.9/96

\- 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: 152.176+/-0.034 χ^2/NDF: 1491712.7/21

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

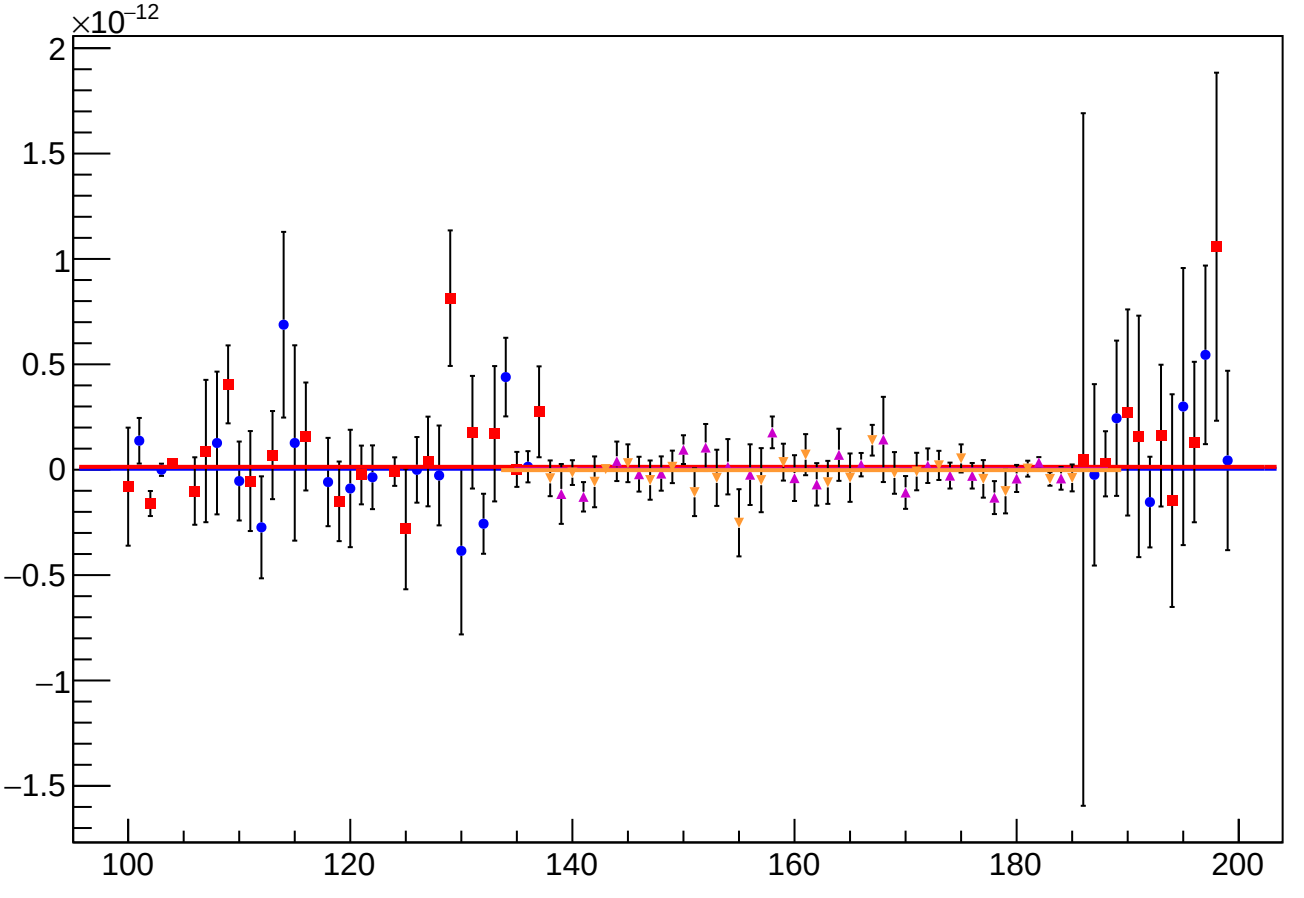
Right Out: 128.078+/-0.029 χ^2/NDF: 3620583.9/26

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 197.085+/-0.030 χ^2/NDF: 14403060.5/46

All: 180.598+/-0.020 χ^2/NDF: 32037950.6/96

- sign 167.806+/-0.026 χ^2/NDF: 17085395.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/26

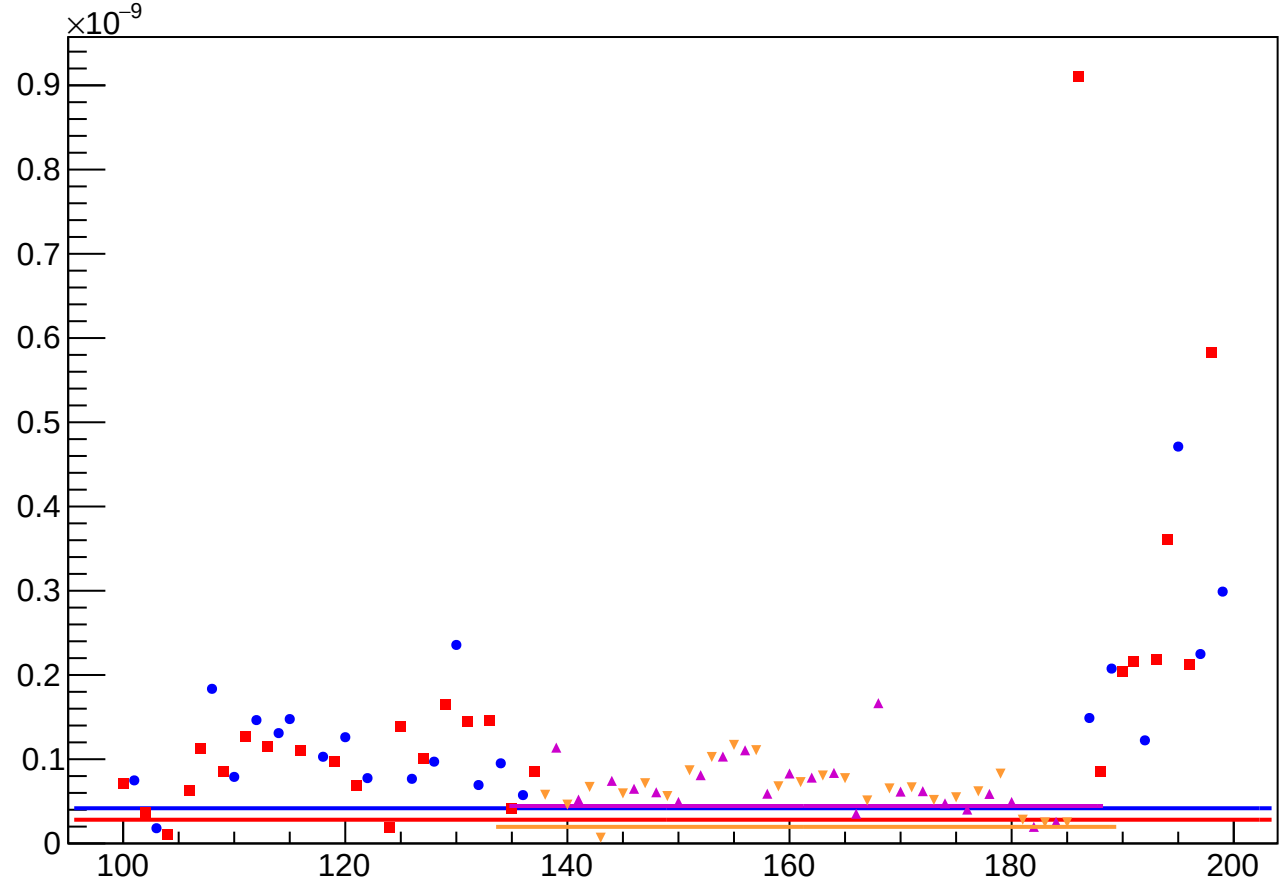
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/46

All: 0.000+/-0.000 χ^2/NDF: 82.6/96

- 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: 6765518.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8959704.9/26

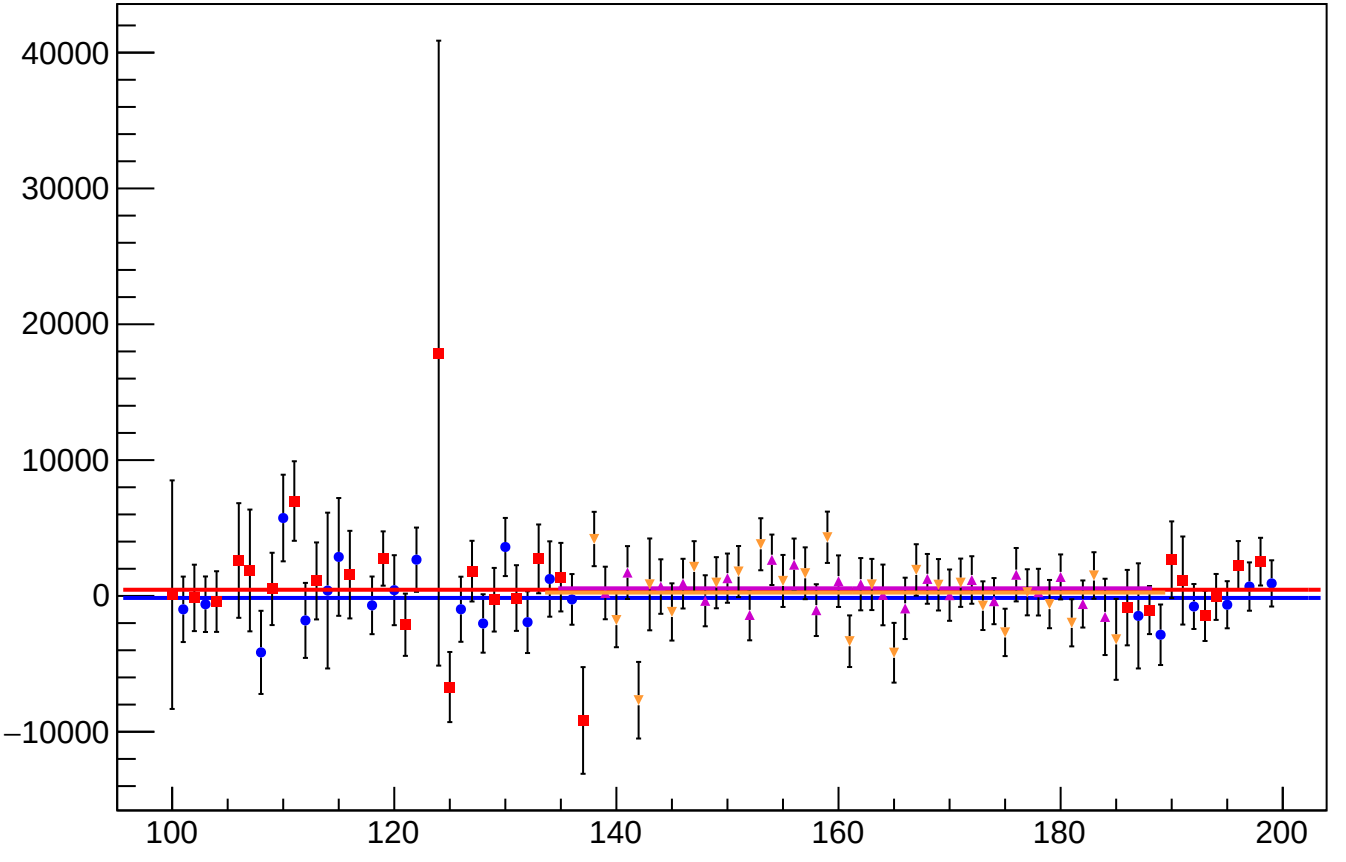
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 23213443.1/46

All: 0.000+/-0.000 χ^2/NDF: 41903964.8/96

- sign 0.000+/-0.000 χ^2/NDF: 15871026.1/49

reg_asym_atl_dd_mean vs Slug



Right In: -147.975+/-486.250 χ^2/NDF: 14.9/21

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 455.412+/-474.718 χ^2/NDF: 29.2/26

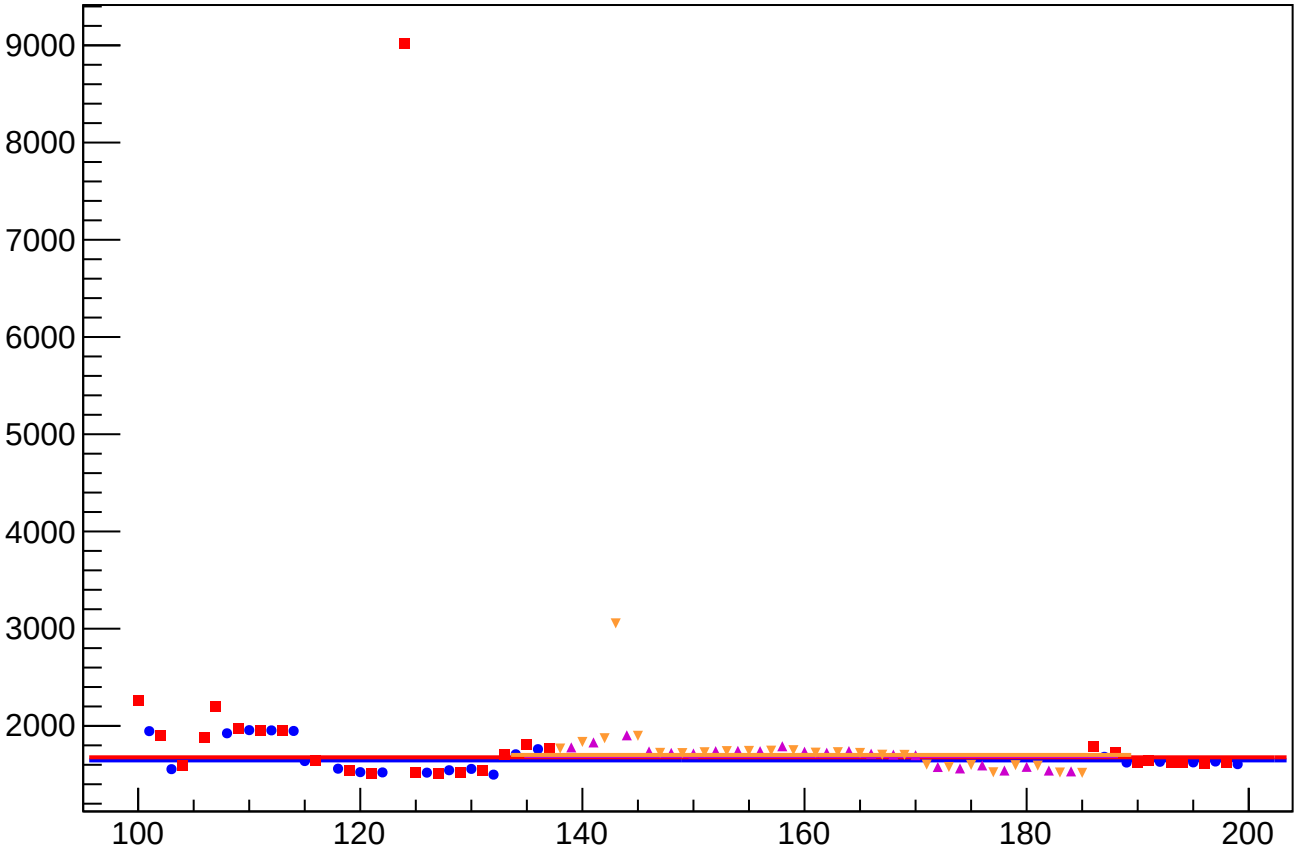
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

\+ sign 93.699+/-303.676 χ^2/NDF: 54.9/46

All: 305.440+/-214.735 χ^2/NDF: 92.7/96

\- sign 517.195+/-303.686 χ^2/NDF: 36.8/49

reg_asym_atl_dd_rms vs Slug



Right In: 1645.213+/-0.344 χ^2/NDF: 146638.6/21

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1677.044+/-0.335 χ^2/NDF: 401265.5/26

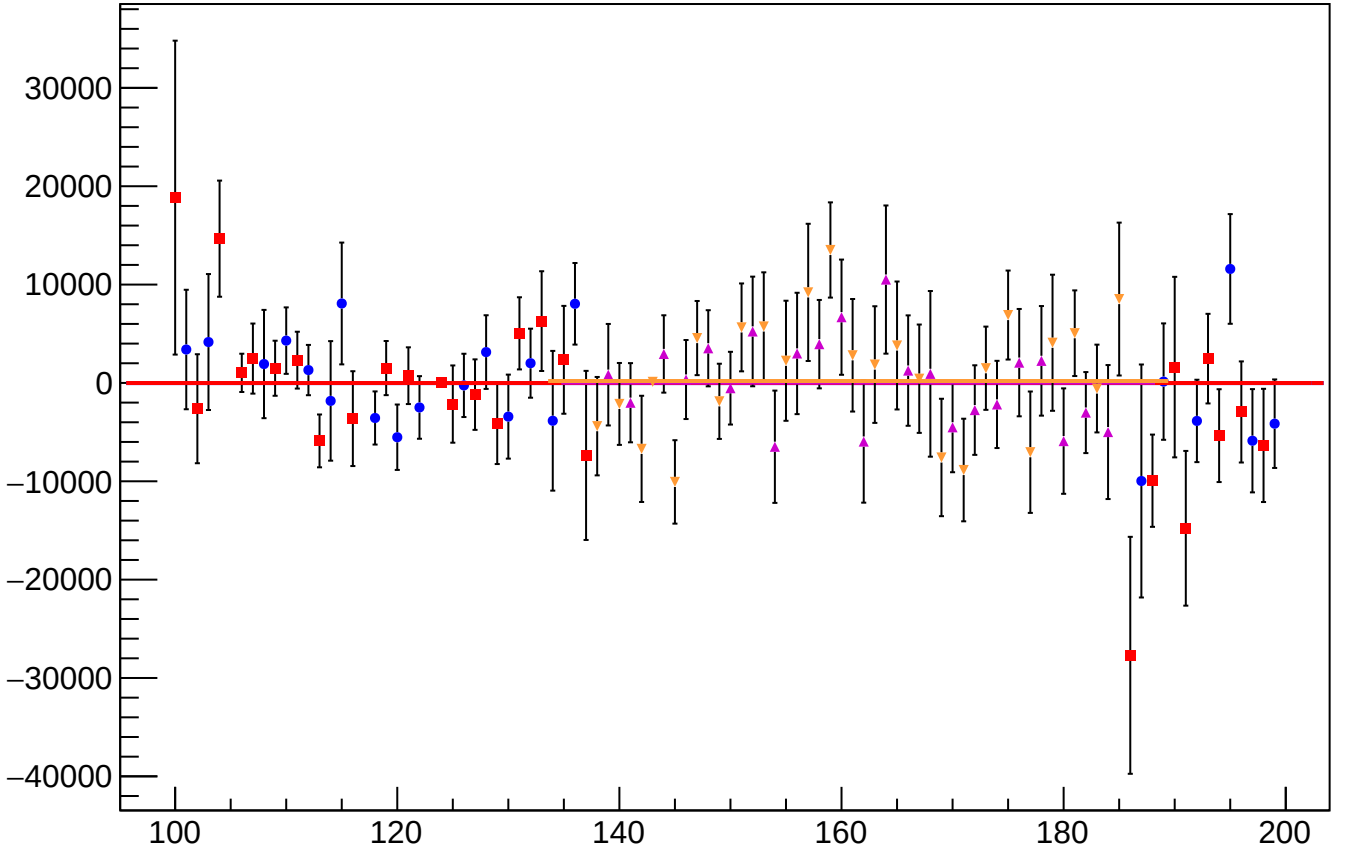
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1679.596+/-0.215 χ^2/NDF: 615412.8/46

All: 1681.923+/-0.152 χ^2/NDF: 1140015.5/96

- sign 1684.245+/-0.215 χ^2/NDF: 524368.2/49

asym_atl_dd_reg_correction_mean vs Slug



Right In: -15.079+/-879.370 χ^2/NDF: 23.3/21

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -9.117+/-319.694 χ^2/NDF: 37.5/26

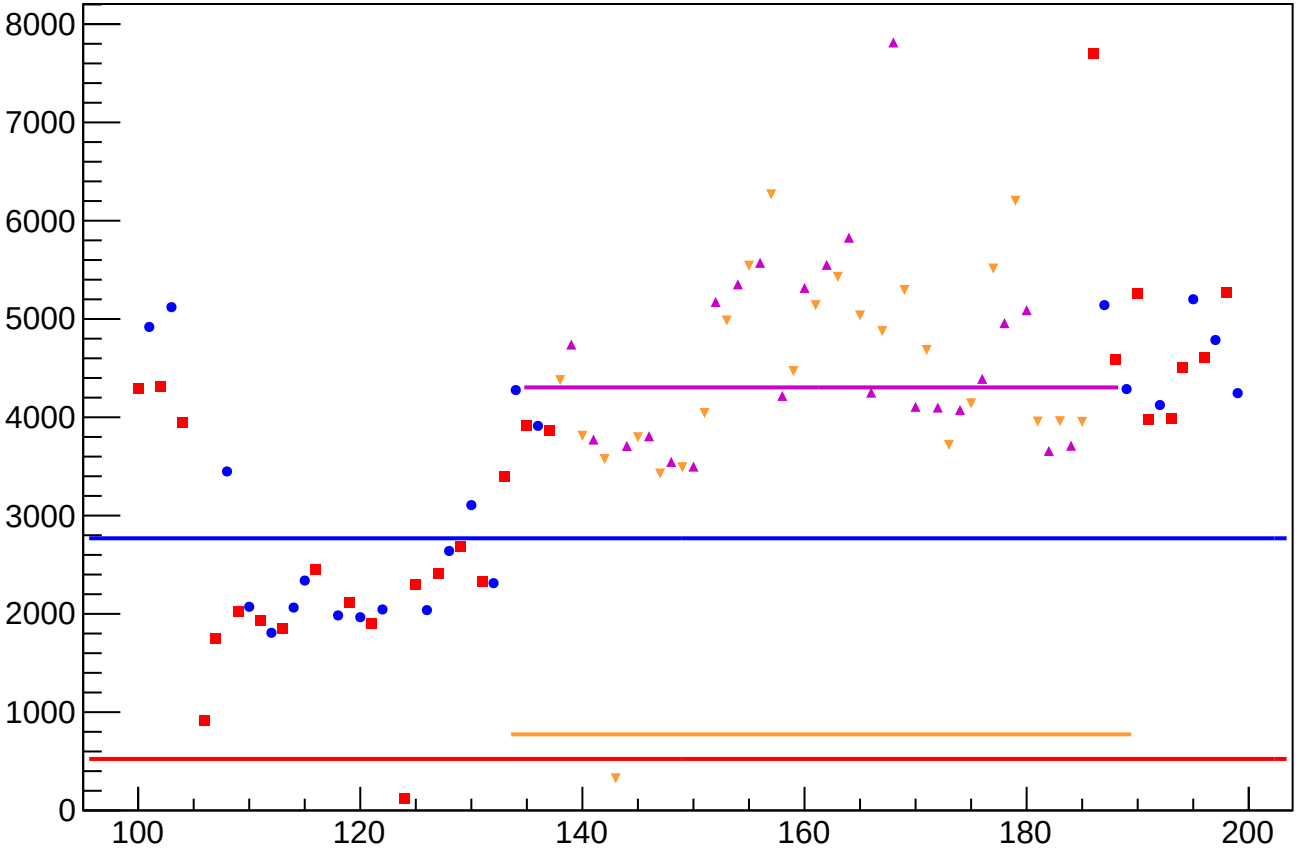
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 165.941+/-319.658 χ^2/NDF: 57.2/46

All: 76.119+/-220.746 χ^2/NDF: 108.1/96

- sign -5.765+/-305.207 χ^2/NDF: 50.7/49

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2768.860+/-0.622 χ^2/NDF: 3012258.5/21

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 524.038+/-0.226 χ^2/NDF: 19605415.9/26

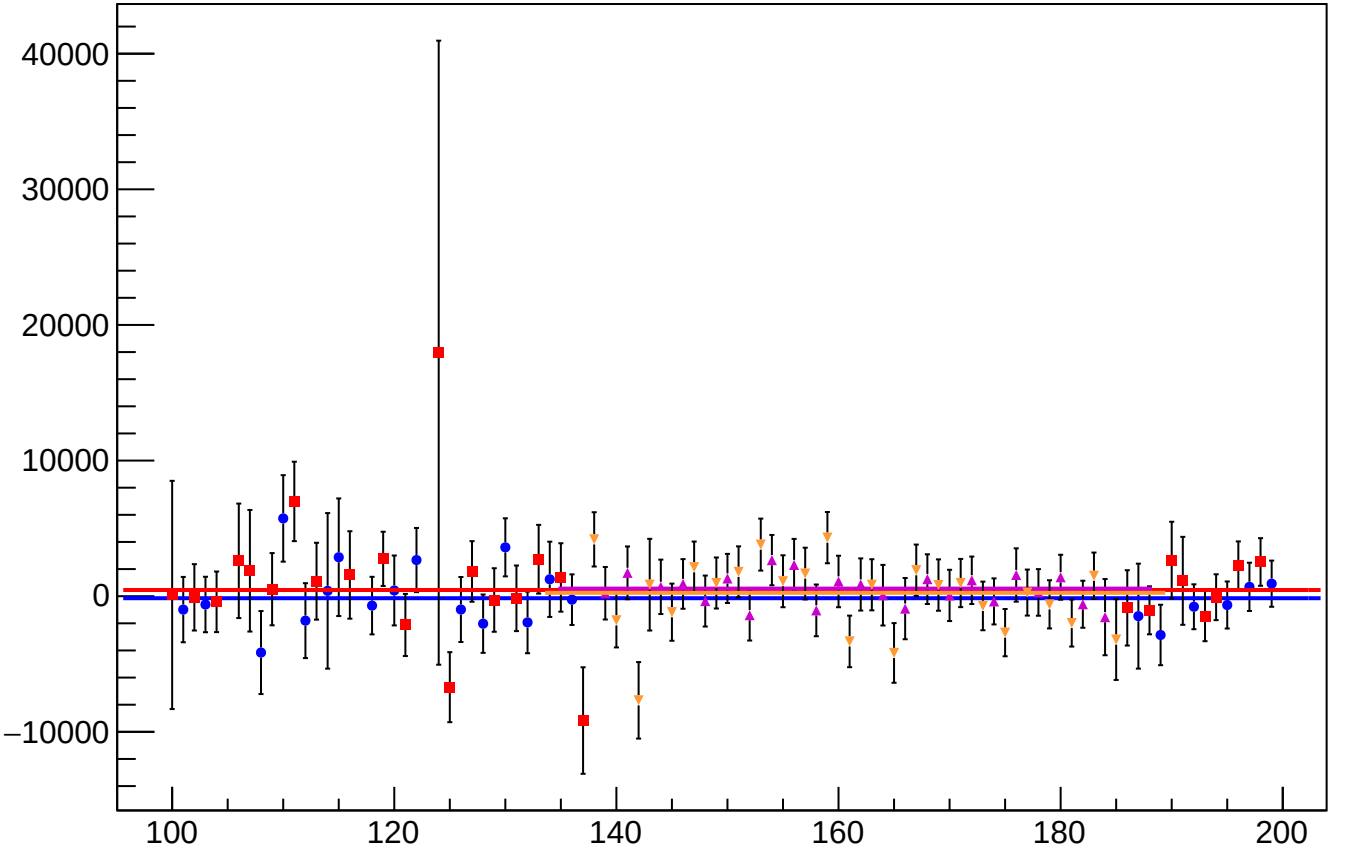
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1037.799+/-0.226 χ^2/NDF: 40028048.0/46

All: 944.196+/-0.156 χ^2/NDF: 85944662.4/96

- sign 858.866+/-0.216 χ^2/NDF: 45588794.6/49

cor_asym_atl_dd_mean vs Slug



Right In: -147.990+/-486.250 χ^2/NDF: 14.9/21

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 457.829+/-474.721 χ^2/NDF: 29.2/26

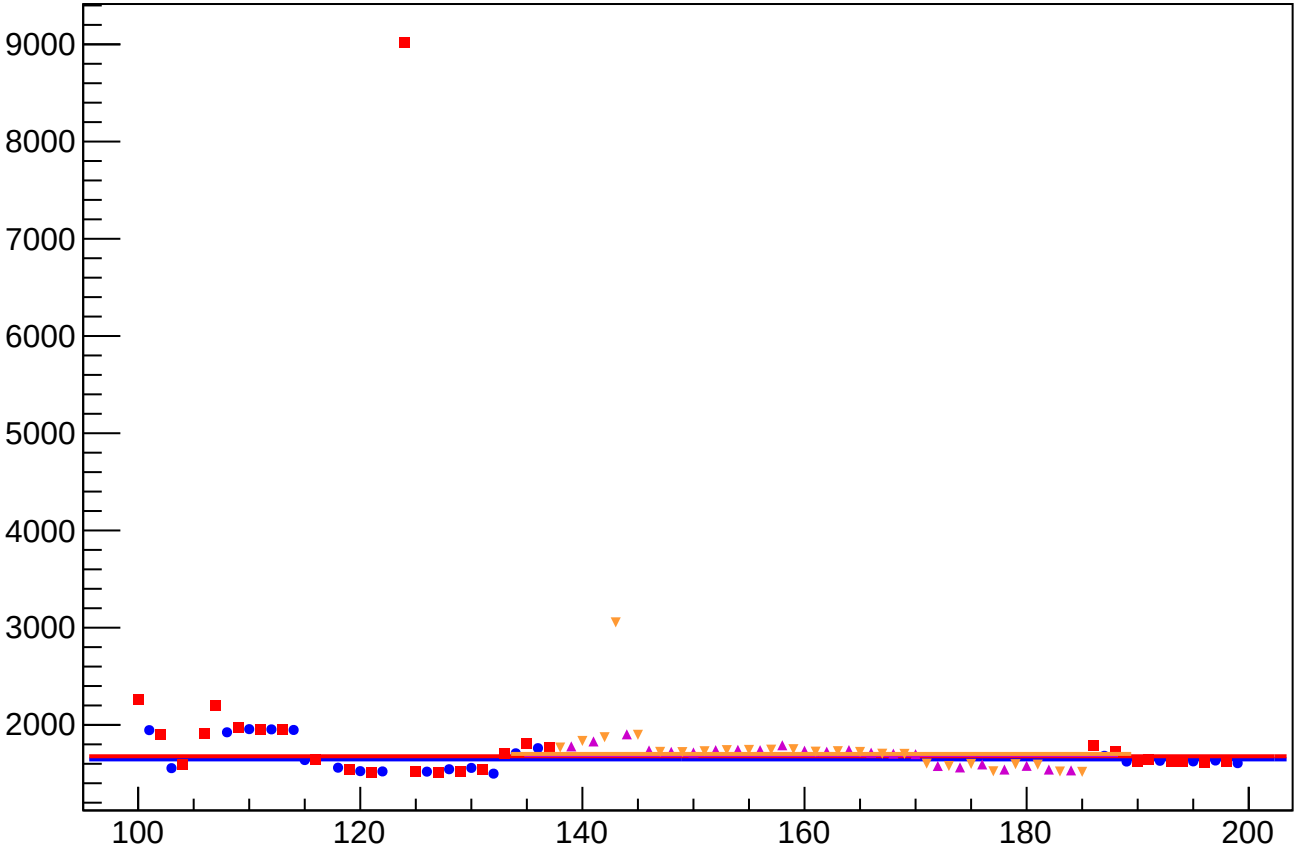
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 93.683+/-303.676 χ^2/NDF: 54.9/46

All: 305.915+/-214.735 χ^2/NDF: 92.7/96

- sign 518.164+/-303.687 χ^2/NDF: 36.8/49

cor_asym_atl_dd_rms vs Slug



Right In: 1645.212+/-0.344 χ^2/NDF: 146638.6/21

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

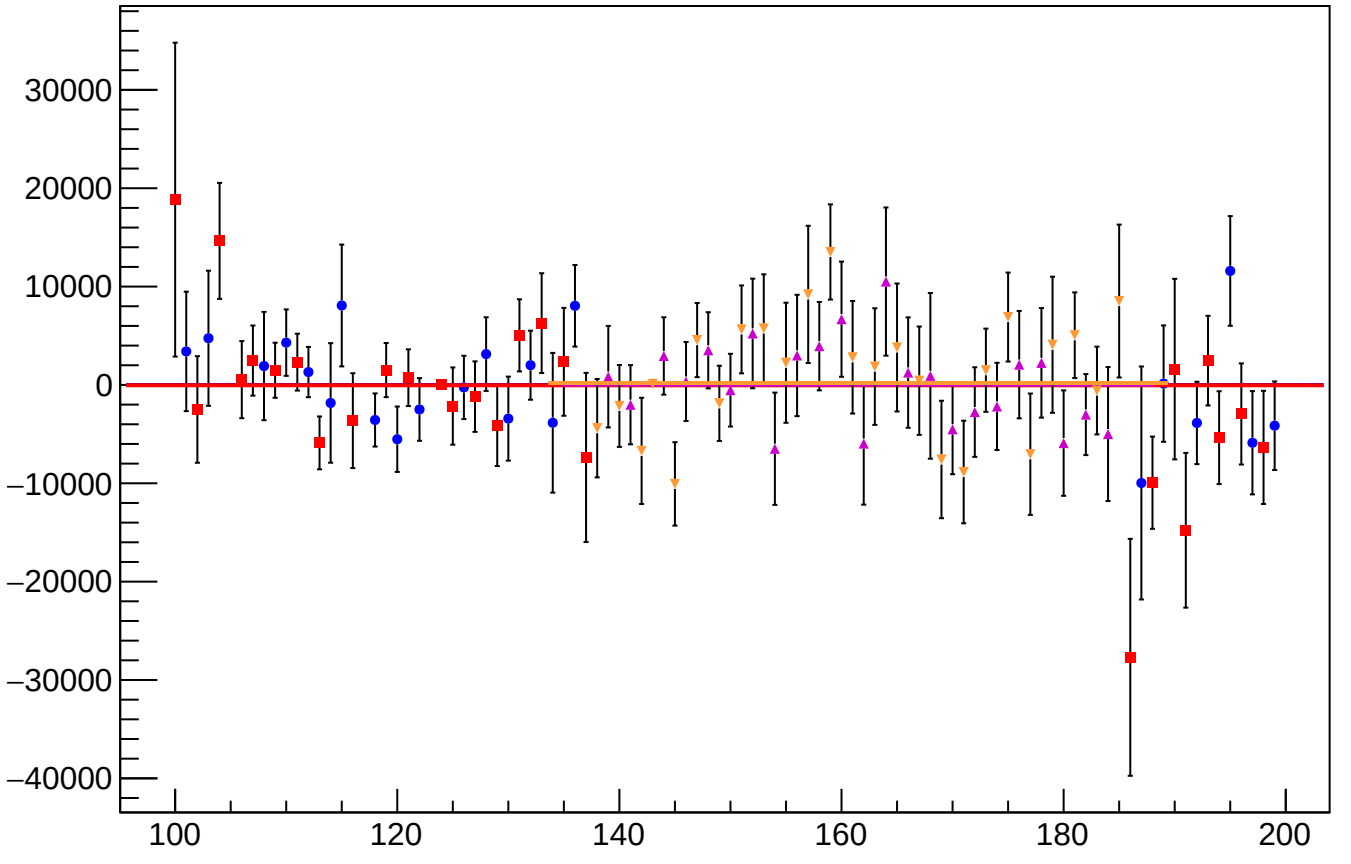
Right Out: 1677.480+/-0.335 χ^2/NDF: 403171.8/26

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1679.596+/-0.215 χ^2/NDF: 615412.9/46

All: 1682.013+/-0.152 χ^2/NDF: 1141885.0/96

- sign 1684.425+/-0.215 χ^2/NDF: 526219.1/49



Right In: -4.457+/-879.279 χ^2/NDF: 23.4/21

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -35.289+/-312.023 χ^2/NDF: 37.2/26

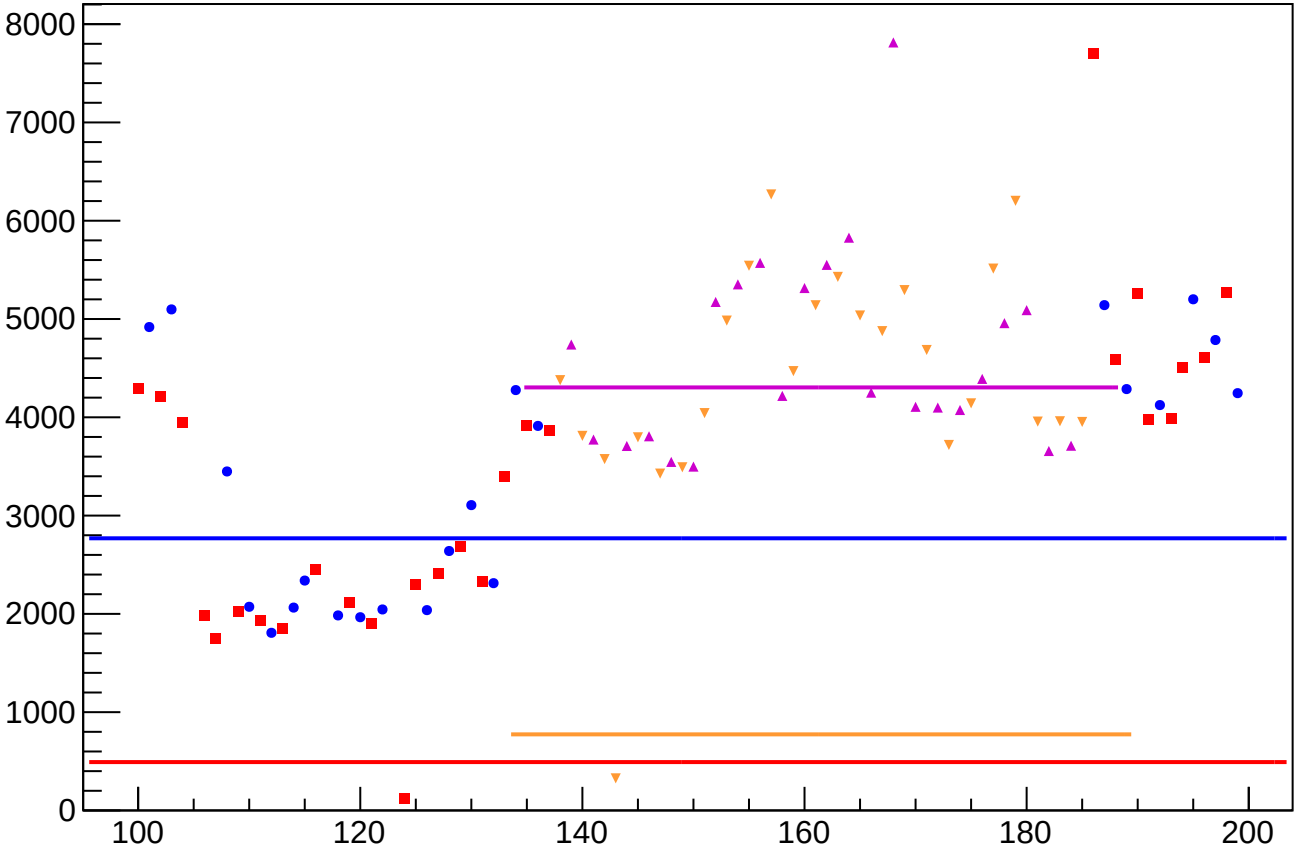
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 167.701+/-319.634 χ^2/NDF: 57.4/46

All: 62.177+/-218.165 χ^2/NDF: 108.0/96

- sign -29.861+/-298.511 χ^2/NDF: 50.5/49

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2768.929+/-0.622 χ^2/NDF: 3010387.6/21

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 492.142+/-0.221 χ^2/NDF: 20069329.6/26

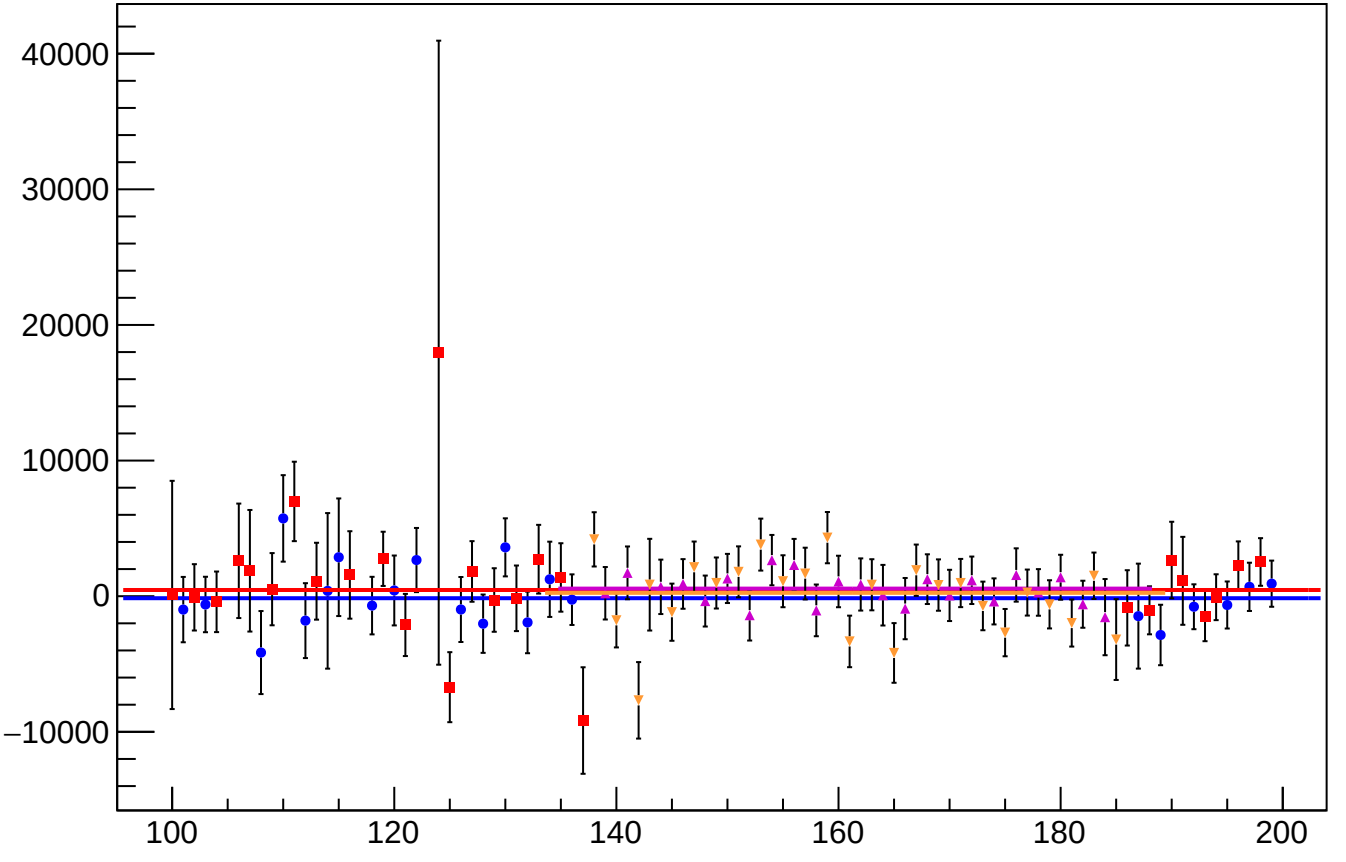
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1037.746+/-0.226 χ^2/NDF: 40030227.1/46

All: 918.845+/-0.154 χ^2/NDF: 87127022.2/96

- sign 815.141+/-0.211 χ^2/NDF: 46578664.0/49

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -147.990+/-486.250 χ^2/NDF: 14.9/21

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 457.829+/-474.721 χ^2/NDF: 29.2/26

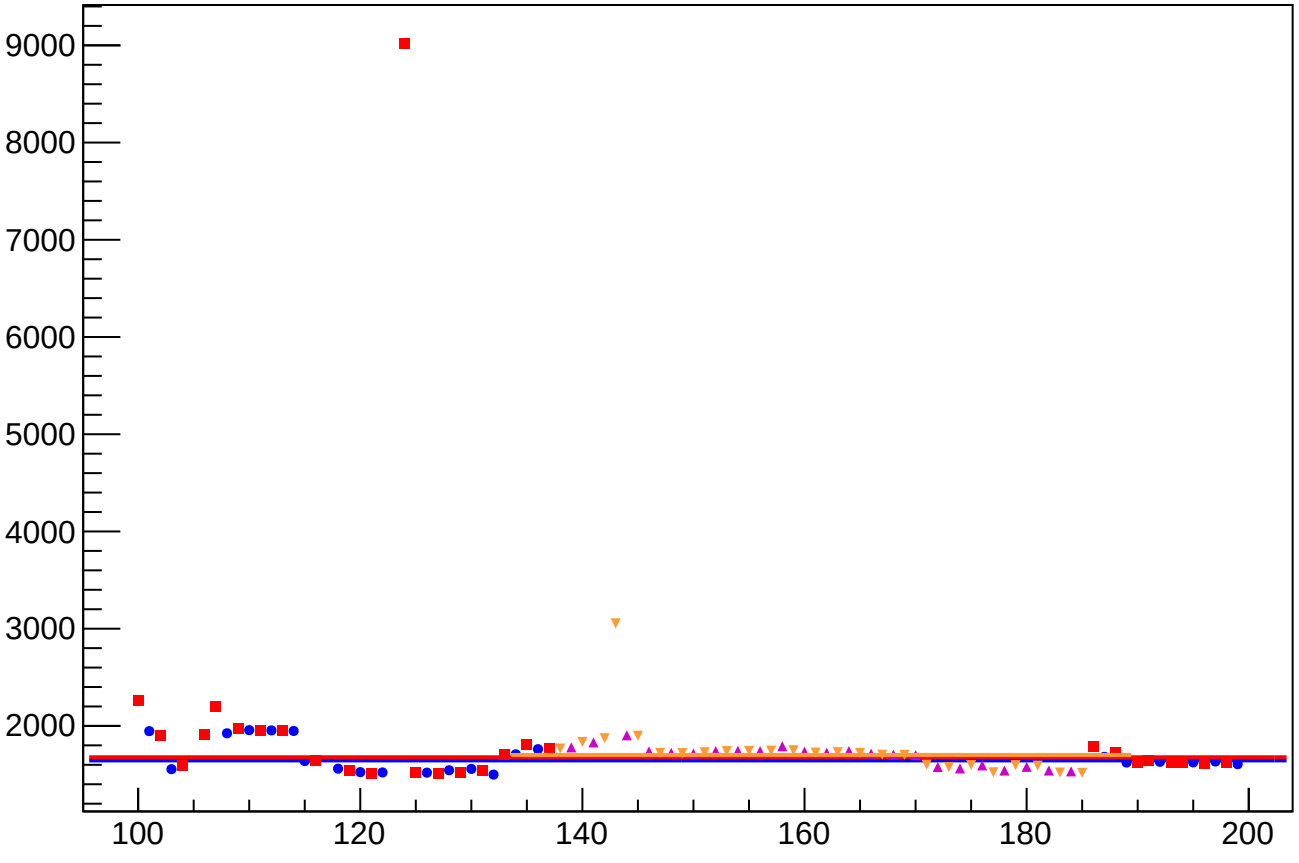
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 93.683+/-303.676 χ^2/NDF: 54.9/46

All: 305.915+/-214.735 χ^2/NDF: 92.7/96

- sign 518.164+/-303.687 χ^2/NDF: 36.8/49

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1645.212+/-0.344 χ^2/NDF: 146638.6/21

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

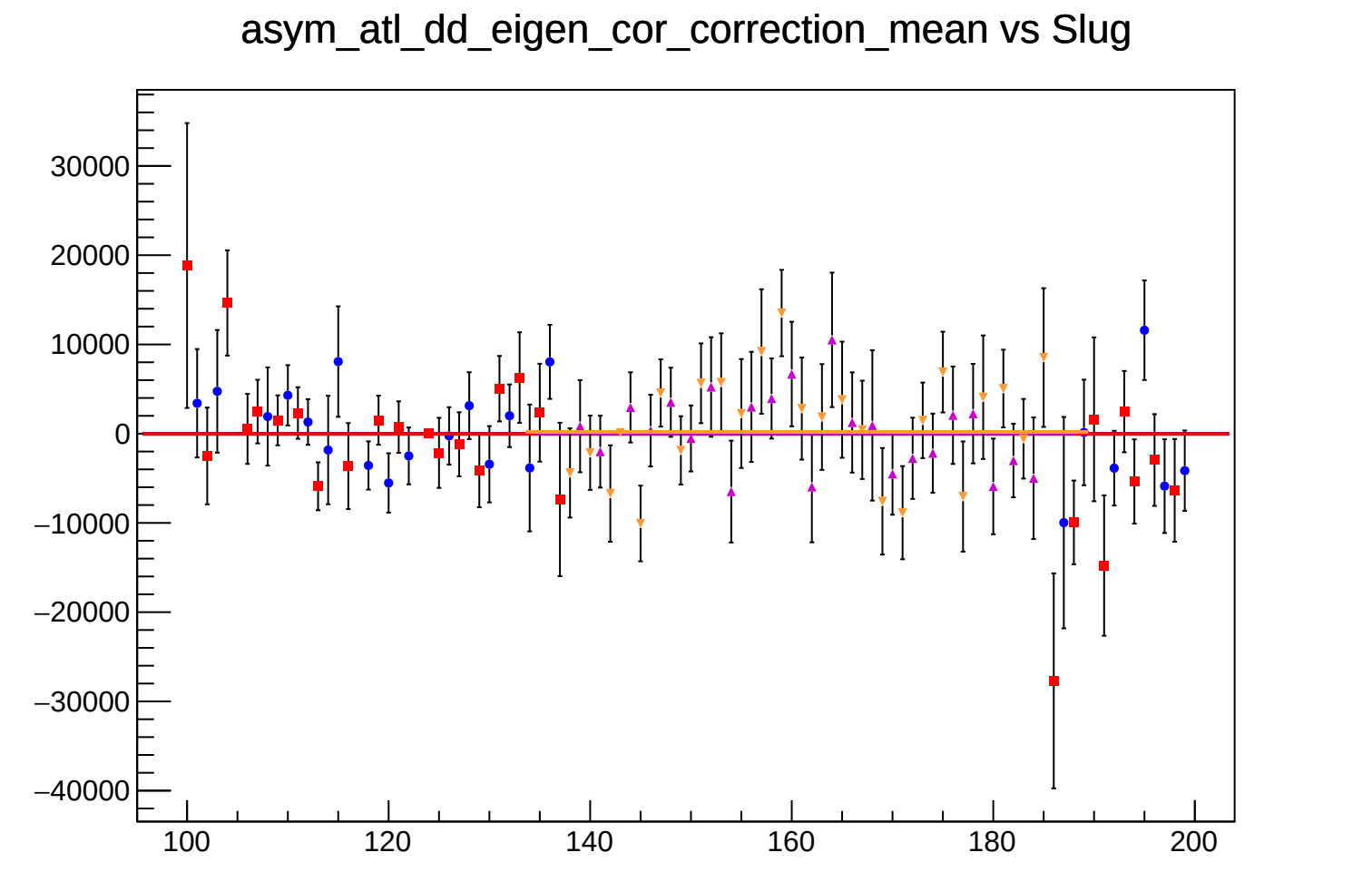
Right Out: 1677.480+/-0.335 χ^2/NDF: 403171.8/26

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1679.596+/-0.215 χ^2/NDF: 615412.9/46

All: 1682.013+/-0.152 χ^2/NDF: 1141885.0/96

- sign 1684.425+/-0.215 χ^2/NDF: 526219.1/49



Right In: -4.457+/-879.279 χ^2/NDF: 23.4/21

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -35.289+/-312.023 χ^2/NDF: 37.2/26

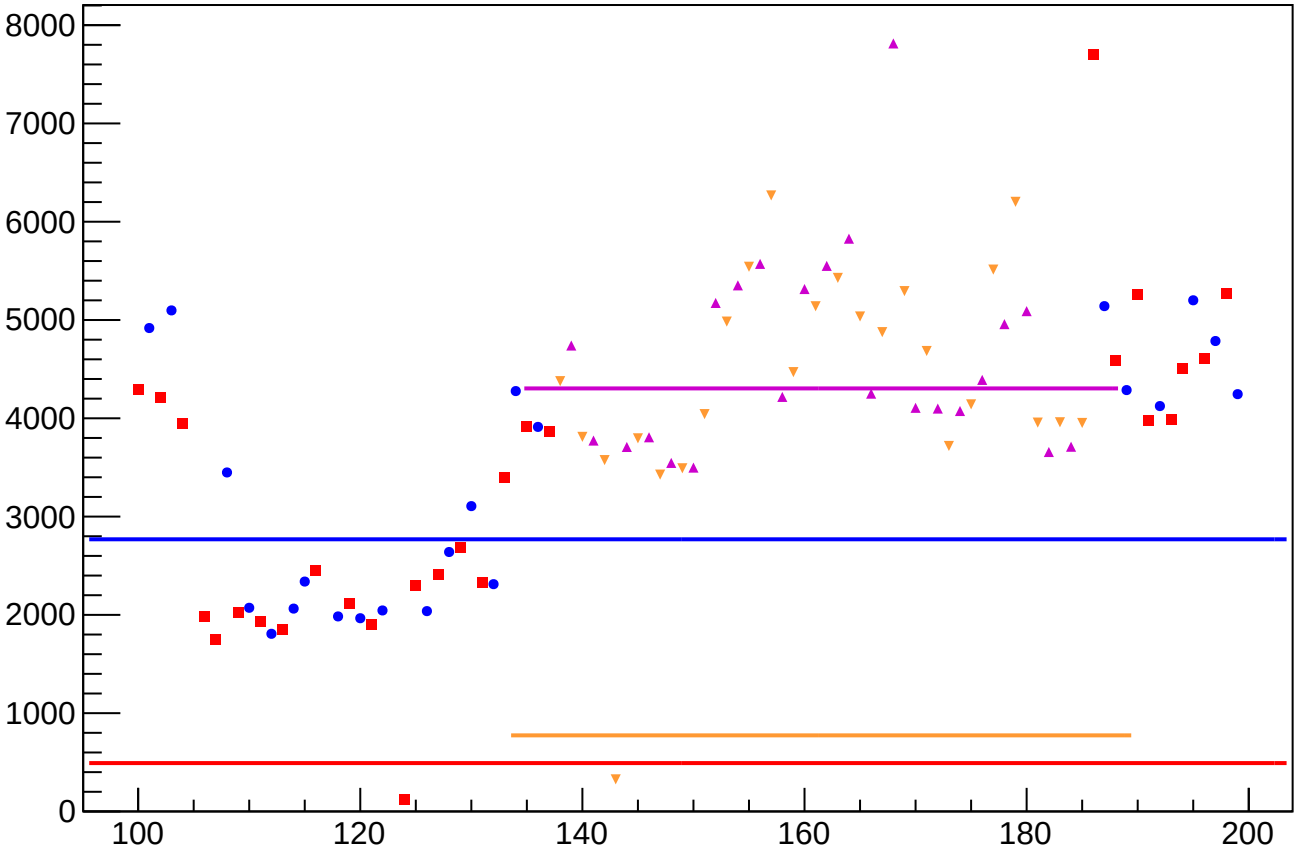
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 167.701+/-319.634 χ^2/NDF: 57.4/46

All: 62.177+/-218.165 χ^2/NDF: 108.0/96

- sign -29.861+/-298.511 χ^2/NDF: 50.5/49

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2768.929+/-0.622 χ^2/NDF: 3010387.6/21

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 492.142+/-0.221 χ^2/NDF: 20069329.6/26

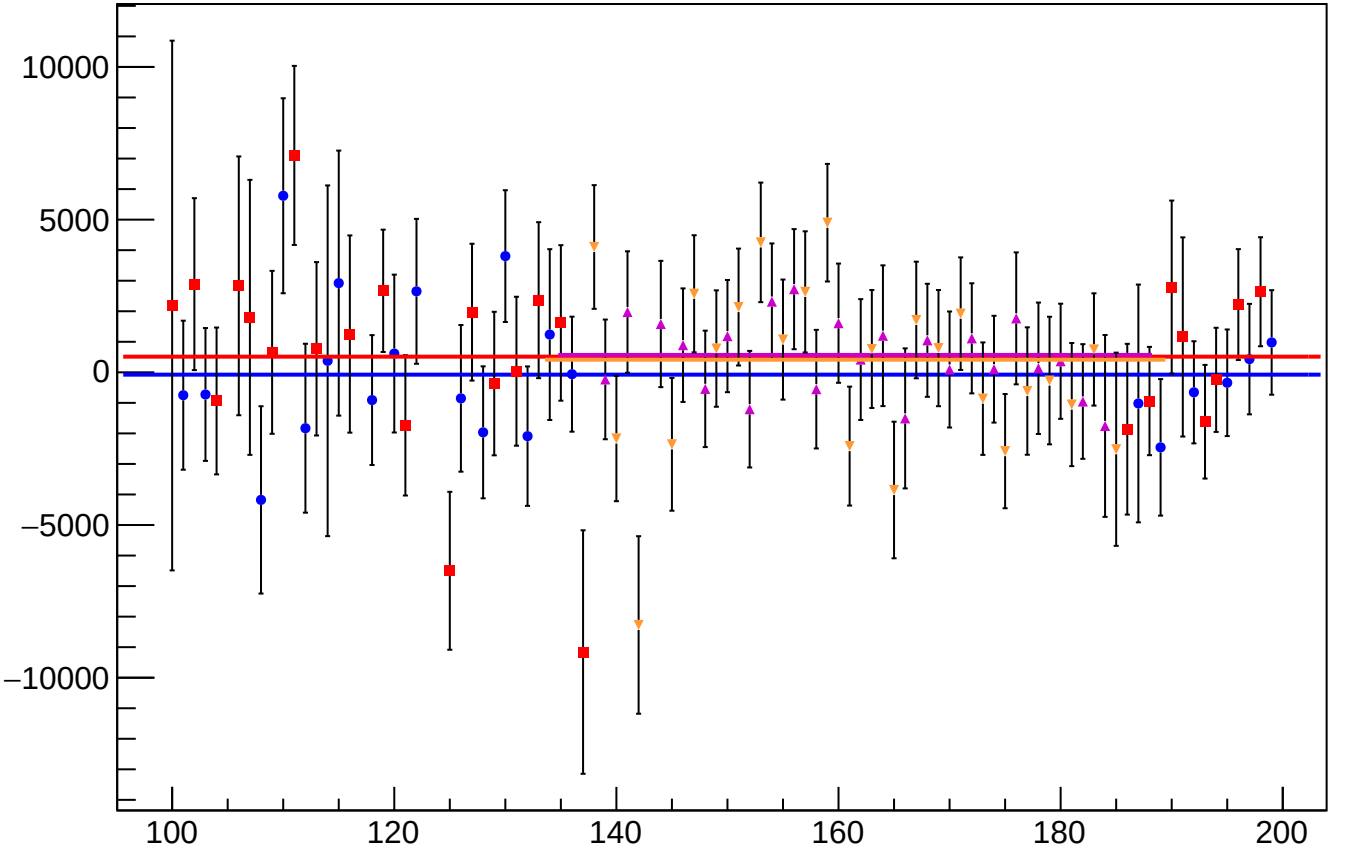
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1037.746+/-0.226 χ^2/NDF: 40030227.1/46

All: 918.845+/-0.154 χ^2/NDF: 87127022.2/96

- sign 815.141+/-0.211 χ^2/NDF: 46578664.0/49

dit_asym_atl_dd_mean vs Slug



Right In: -76.045+/-490.911 χ^2/NDF: 14.7/21

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 512.949+/-481.337 χ^2/NDF: 29.2/25

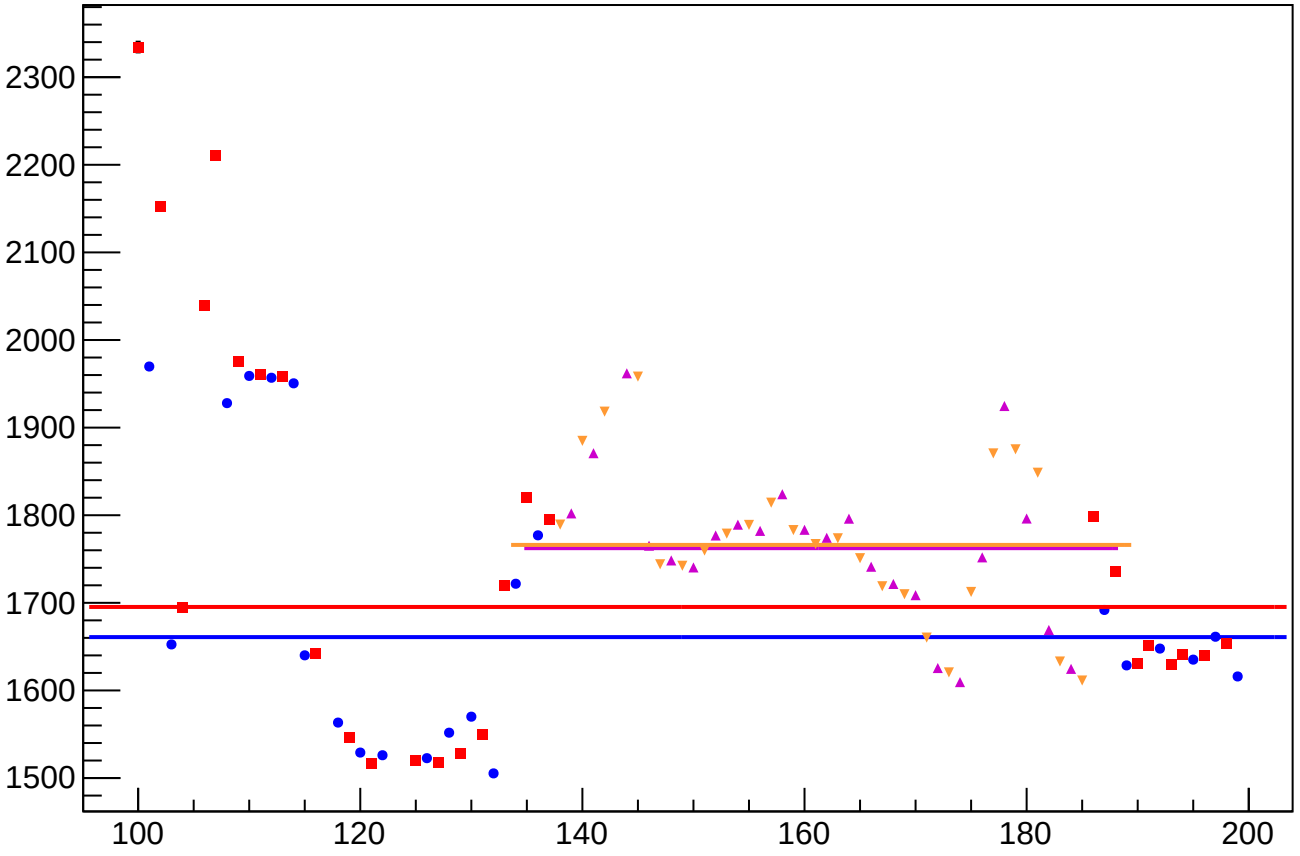
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

\+ sign 211.920+/-314.926 χ^2/NDF: 55.2/45

All: 379.568+/-222.010 χ^2/NDF: 92.7/94

\- sign 545.193+/-313.021 χ^2/NDF: 36.9/48

dit_asym_atl_dd_rms vs Slug



Right In: 1660.888+/-0.347 χ^2/NDF: 144192.6/21

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1695.302+/-0.340 χ^2/NDF: 242756.2/25

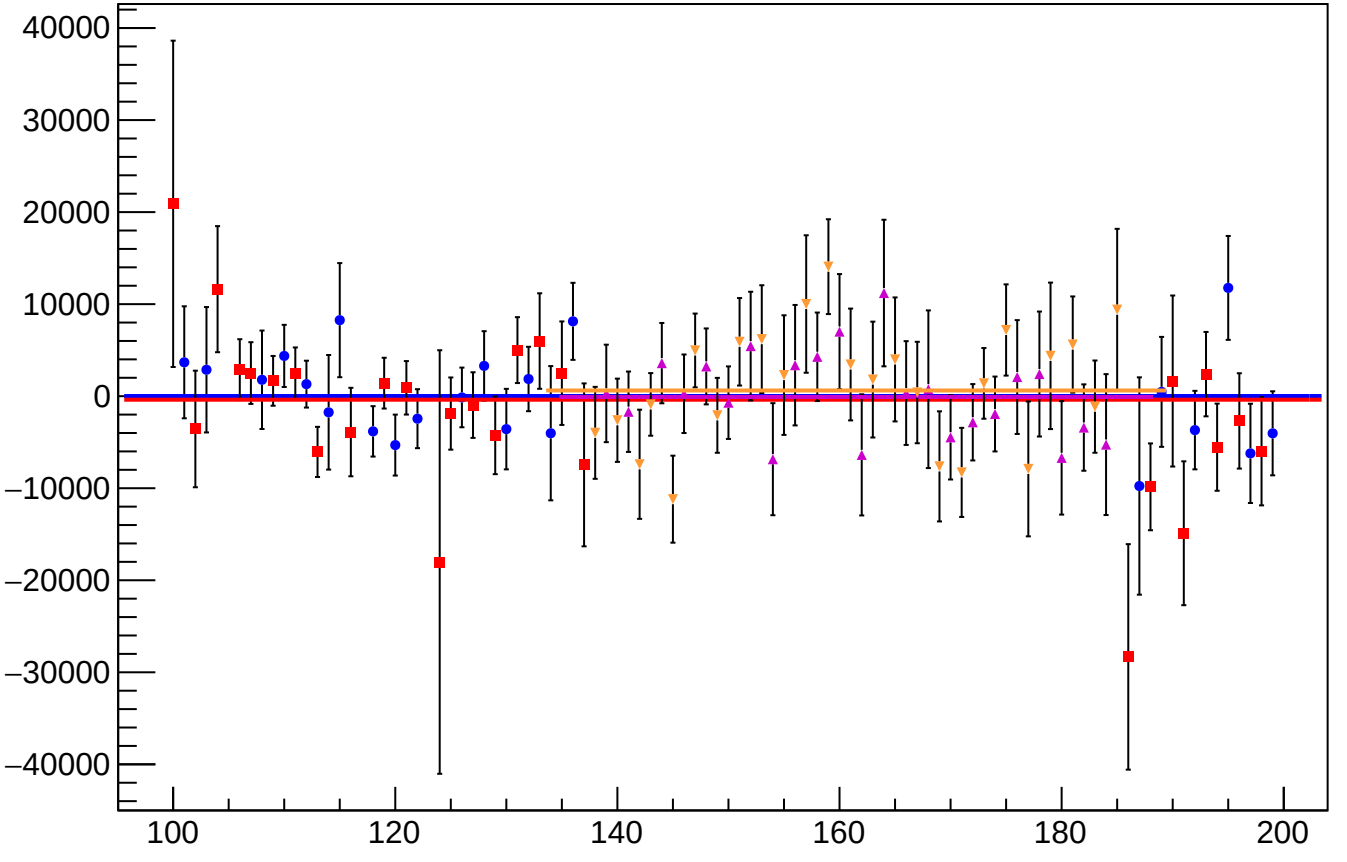
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1722.810+/-0.223 χ^2/NDF: 281520.3/45

All: 1728.434+/-0.157 χ^2/NDF: 628099.6/94

- sign 1733.984+/-0.221 χ^2/NDF: 345311.9/48

asym_atl_dd_dit_correction_mean vs Slug



Right In: 16.632+/-884.399 χ^2/NDF: 23.2/21

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -383.675+/-811.742 χ^2/NDF: 35.2/26

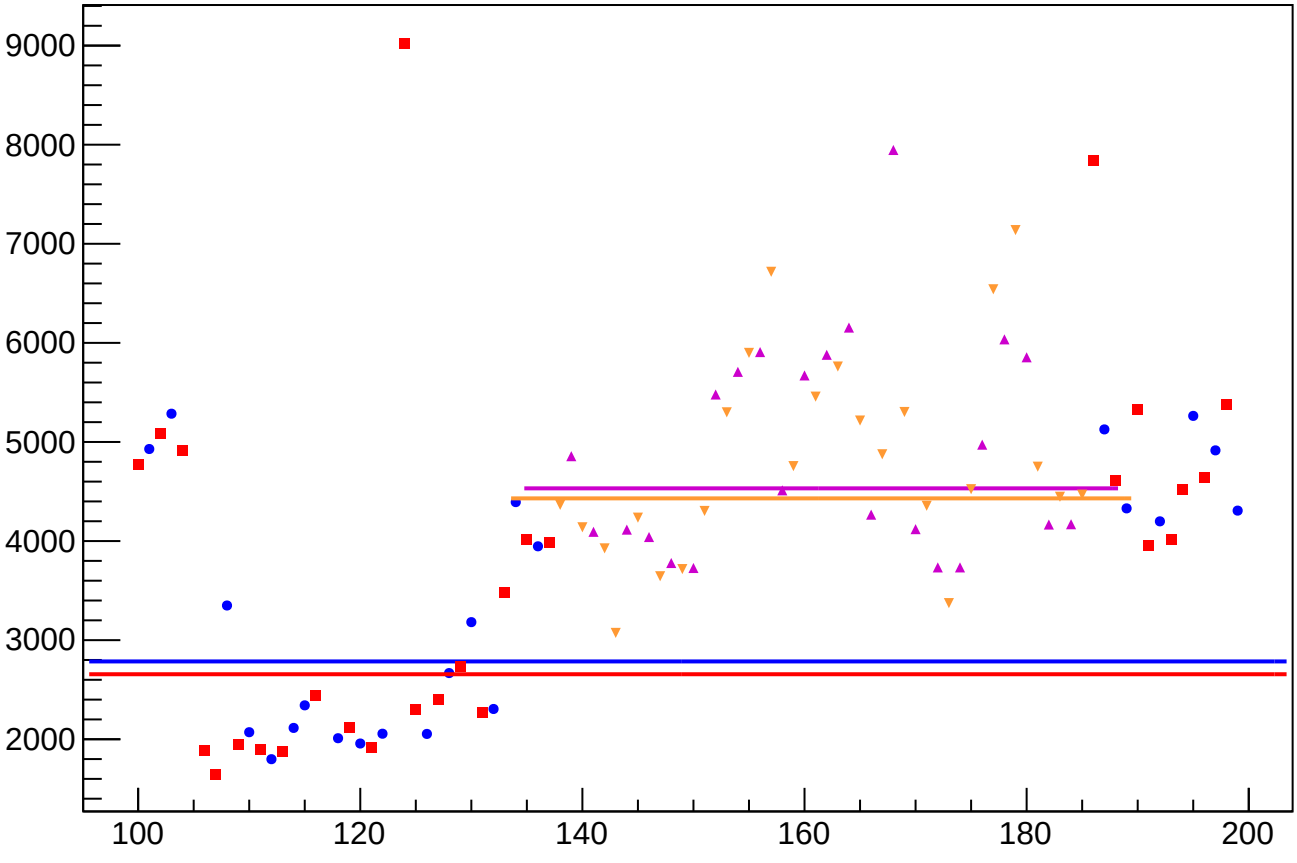
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 271.217+/-672.272 χ^2/NDF: 56.5/46

All: -12.030+/-467.084 χ^2/NDF: 105.0/96

- sign -276.359+/-649.434 χ^2/NDF: 48.2/49

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2785.339+/-0.625 χ^2/NDF: 3113156.8/21

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

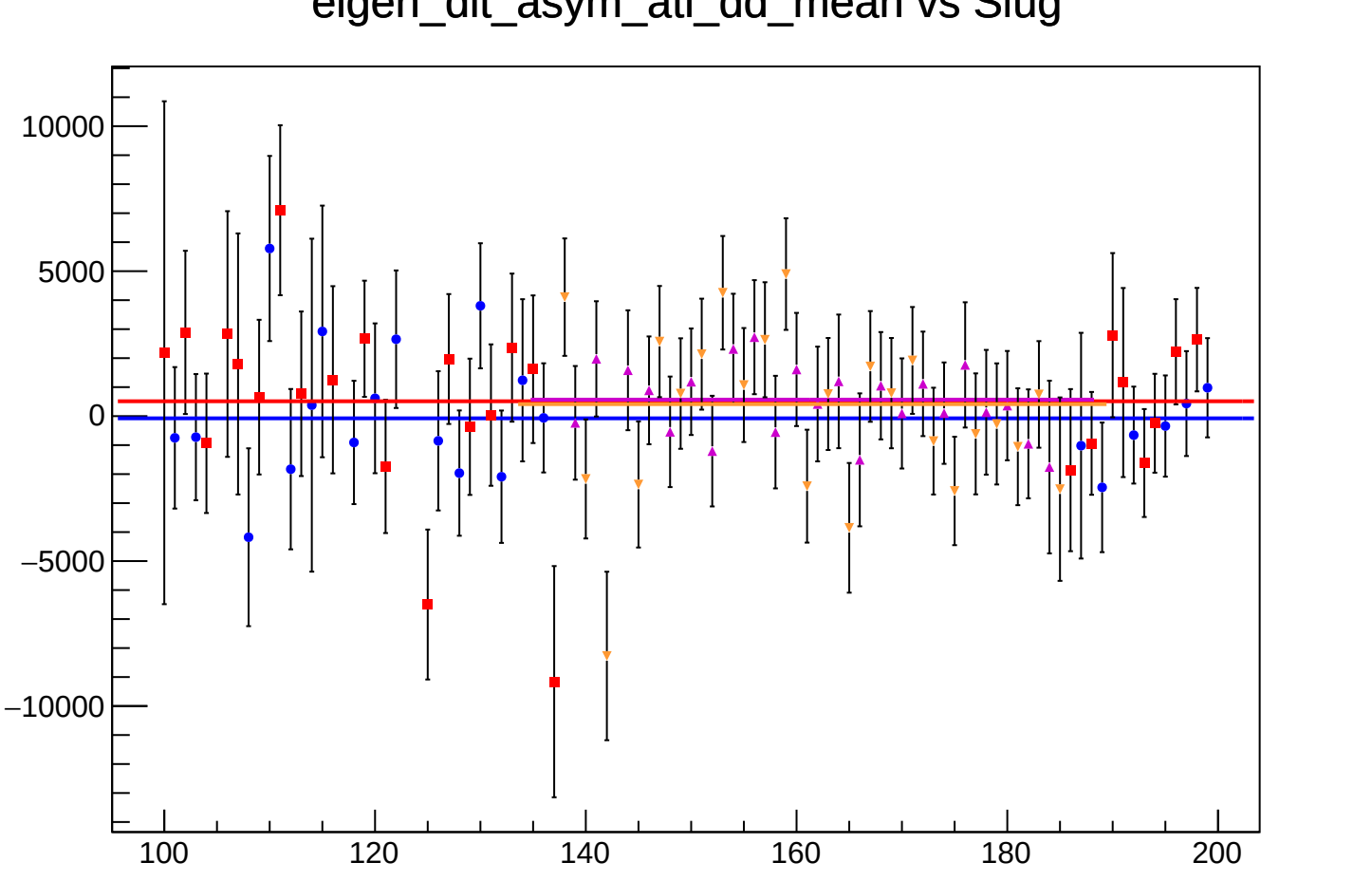
Right Out: 2656.109+/-0.574 χ^2/NDF: 4029291.8/26

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3480.016+/-0.475 χ^2/NDF: 7649256.3/46

All: 3403.070+/-0.330 χ^2/NDF: 16949734.2/9

- sign 3331.262+/-0.459 χ^2/NDF: 9249825.6/49



Right In: -76.044+/-490.911 χ^2/NDF: 14.7/21

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 512.949+/-481.337 χ^2/NDF: 29.2/25

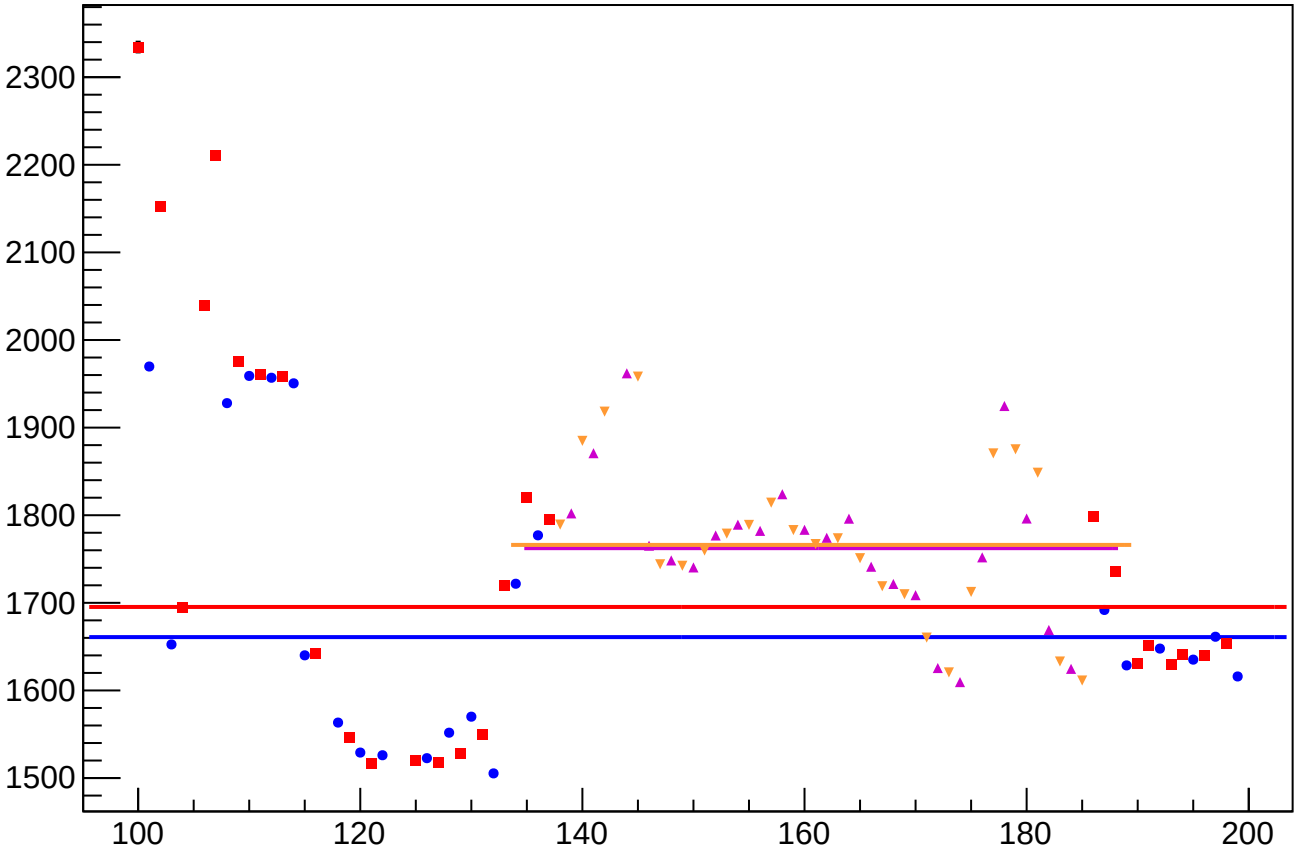
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 211.921+/-314.927 χ^2/NDF: 55.2/45

All: 379.568+/-222.010 χ^2/NDF: 92.7/94

- sign 545.192+/-313.021 χ^2/NDF: 36.9/48

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1660.888+/-0.347 χ^2/NDF: 144192.7/21

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1695.302+/-0.340 χ^2/NDF: 242755.2/25

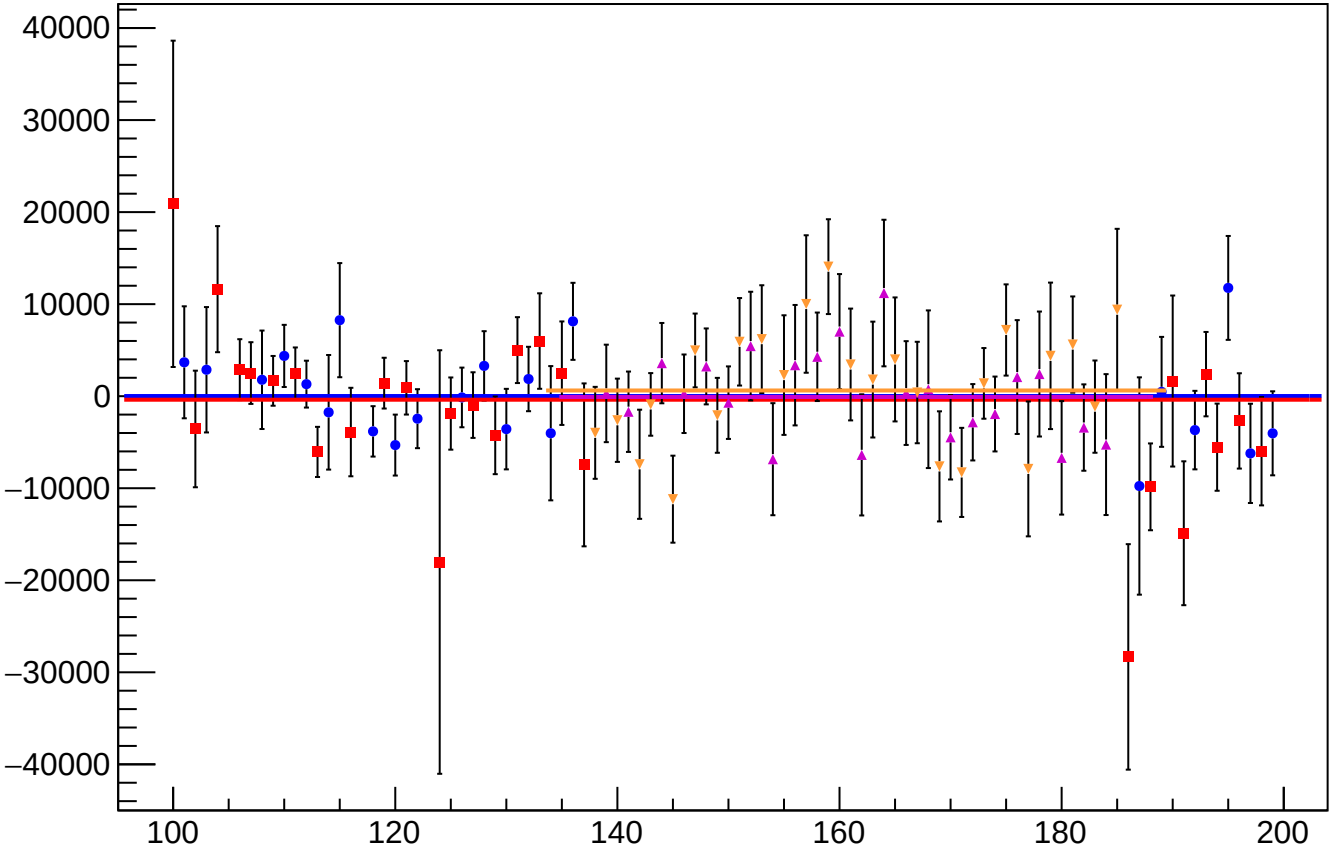
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1722.810+/-0.223 χ^2/NDF: 281524.3/45

All: 1728.435+/-0.157 χ^2/NDF: 628106.0/94

- sign 1733.985+/-0.221 χ^2/NDF: 345314.3/48

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 16.628+/-884.396 χ^2/NDF: 23.2/21

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -383.669+/-811.740 χ^2/NDF: 35.2/26

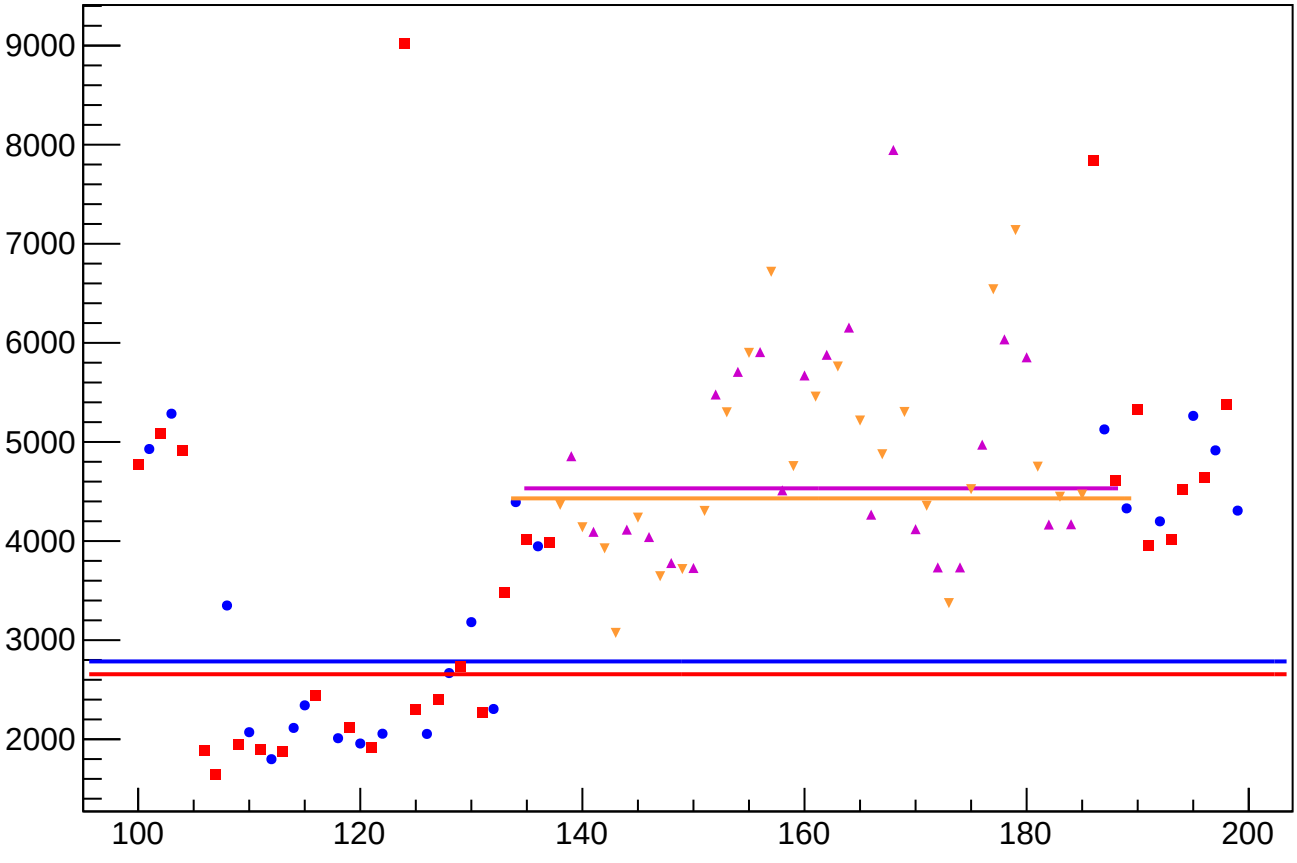
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 271.215+/-672.271 χ^2/NDF: 56.5/46

All: -12.029+/-467.084 χ^2/NDF: 105.0/96

- sign -276.356+/-649.433 χ^2/NDF: 48.2/49

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2785.328+/-0.625 χ^2/NDF: 3113194.1/21

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

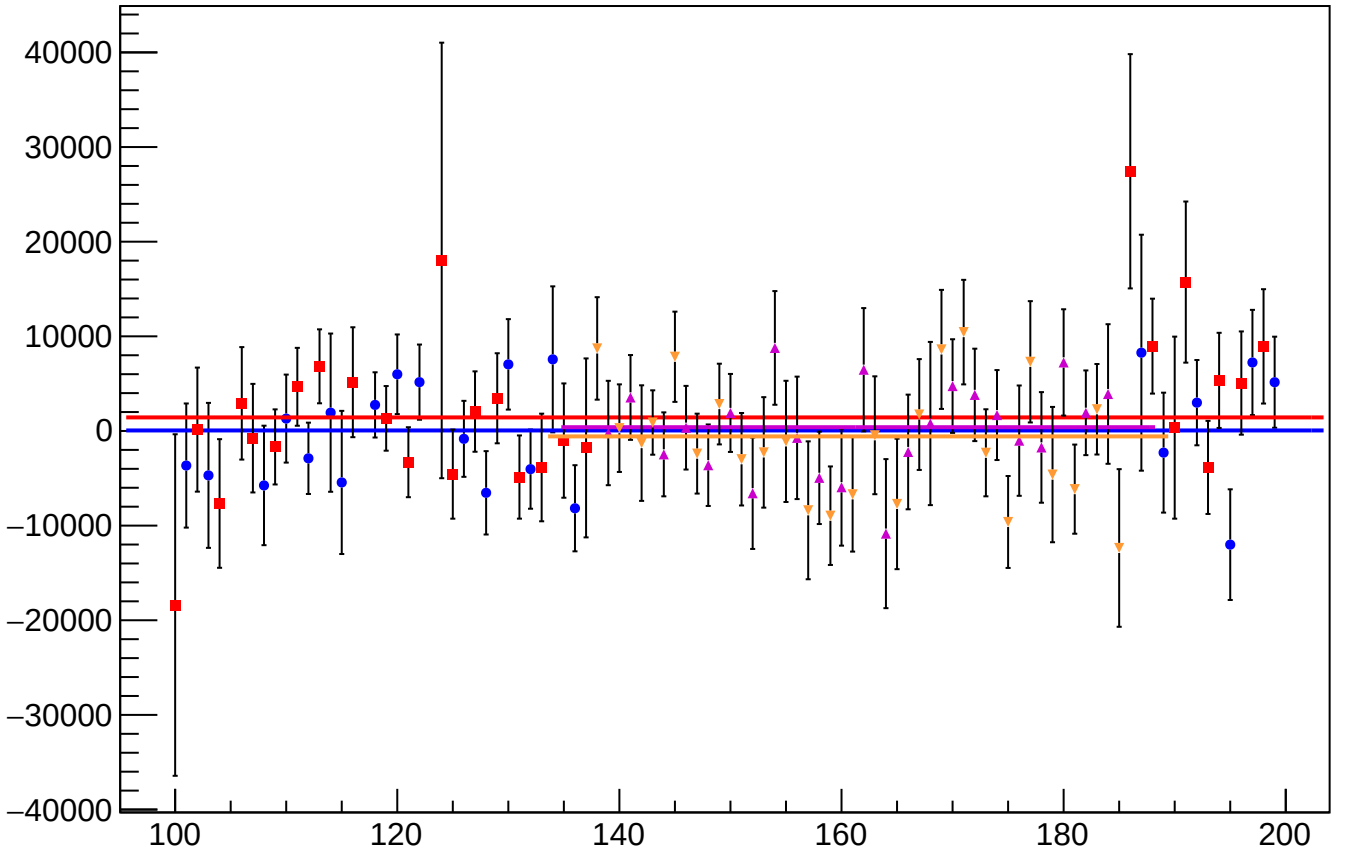
Right Out: 2656.100+/-0.574 χ^2/NDF: 4029325.4/26

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3480.009+/-0.475 χ^2/NDF: 7649361.8/46

All: 3403.063+/-0.330 χ^2/NDF: 16949941.1/9

- sign 3331.255+/-0.459 χ^2/NDF: 9249926.9/49



Right In: 54.830+/-1064.237 χ^2/NDF: 24.7/21

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1432.756+/-1018.457 χ^2/NDF: 27.2/26

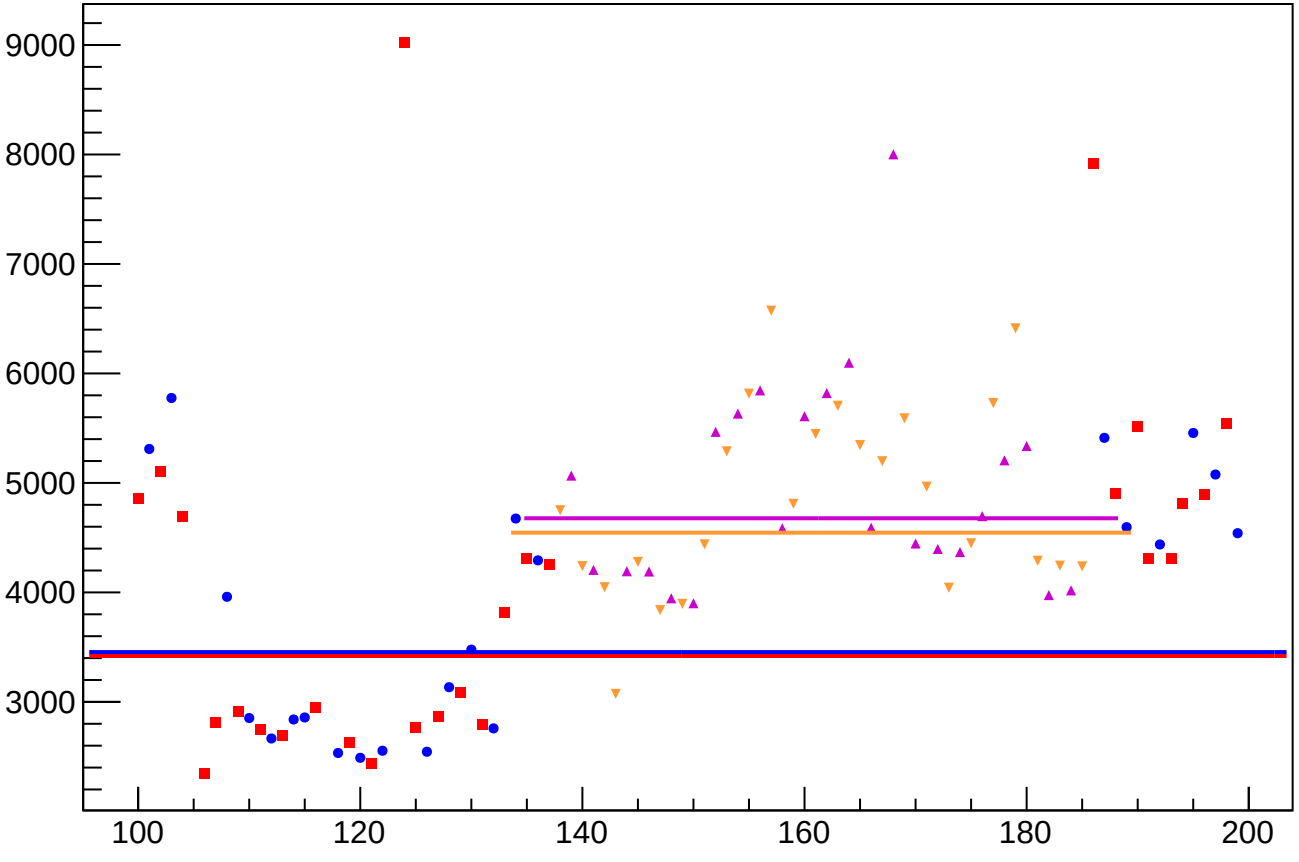
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -261.932+/-749.183 χ^2/NDF: 53.6/46

All: 348.014+/-530.140 χ^2/NDF: 96.7/96

- sign 959.748+/-750.280 χ^2/NDF: 41.7/49

asym_atl_dd_rms vs Slug



Right In: 3454.766+/-0.753 χ^2/NDF: 1855004.6/21

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3419.137+/-0.713 χ^2/NDF: 2246038.0/26

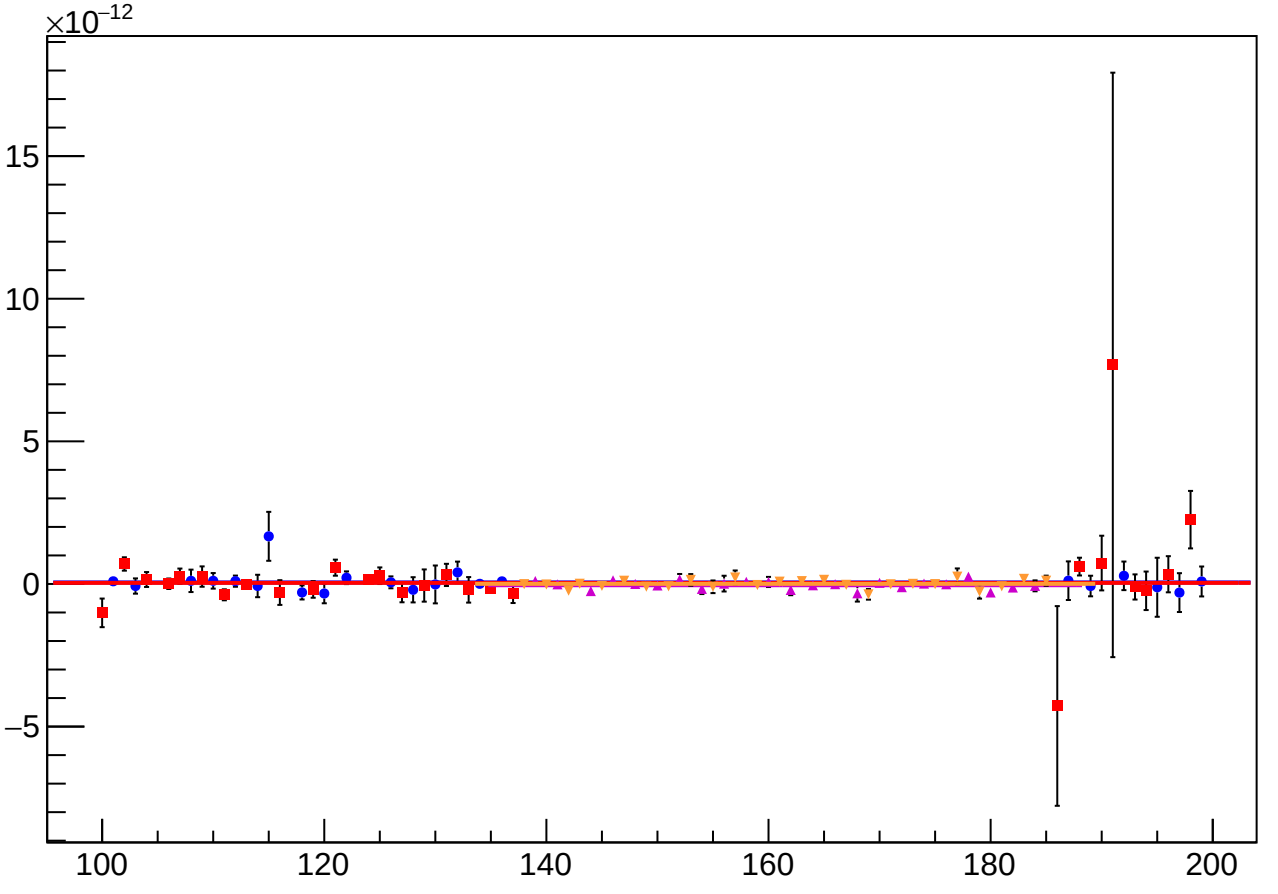
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

\+ sign 4004.967+/-0.530 χ^2/NDF: 4173256.3/46

All: 3996.323+/-0.374 χ^2/NDF: 8788479.7/96

\- sign 3987.753+/-0.527 χ^2/NDF: 4614693.1/49

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

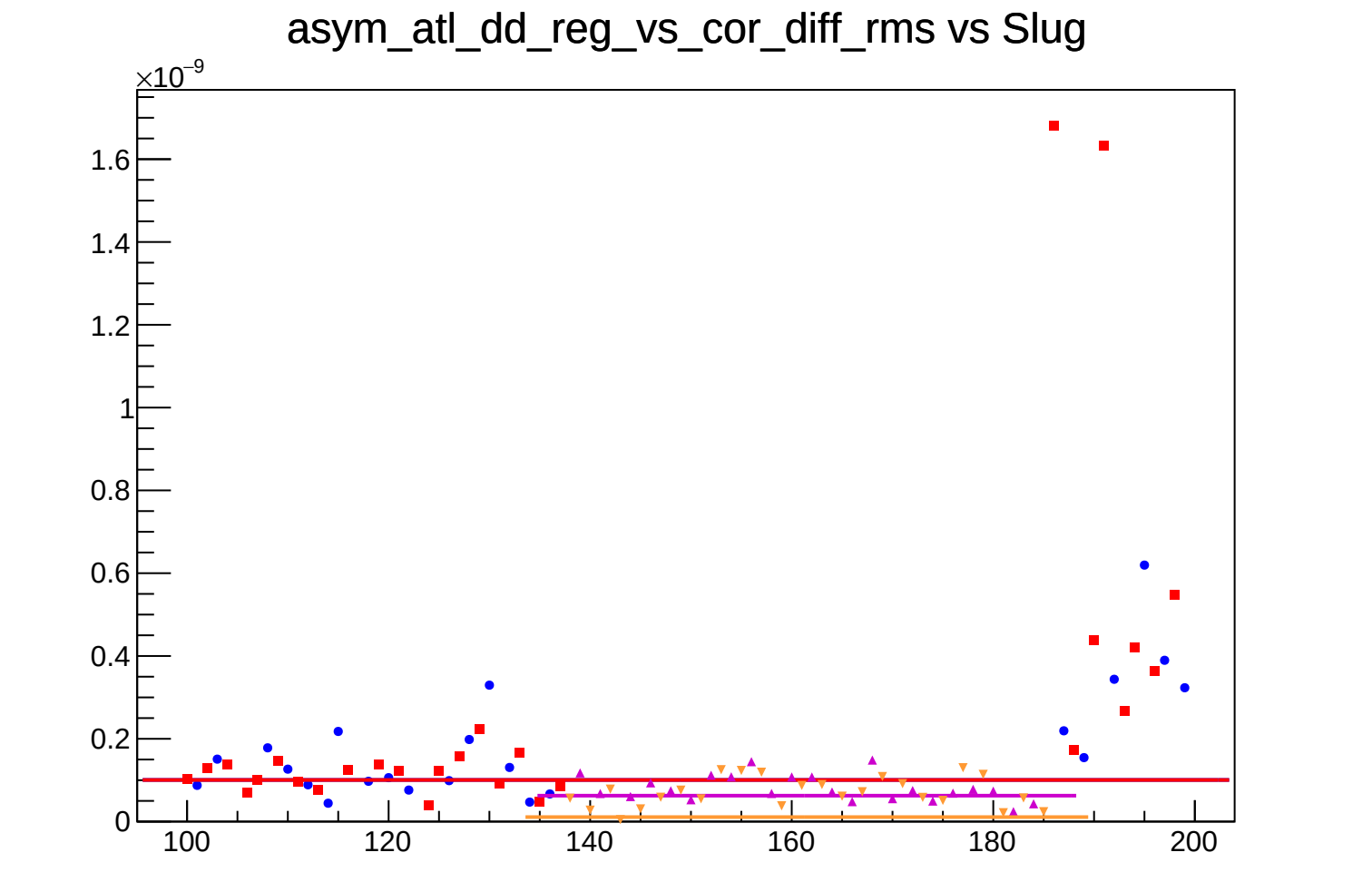
Right Out: 0.000+/-0.000 χ^2/NDF: 41.5/26

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.9/46

All: 0.000+/-0.000 χ^2/NDF: 94.8/96

- sign -0.000+/-0.000 χ^2/NDF: 64.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 2831666.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3390891.0/26

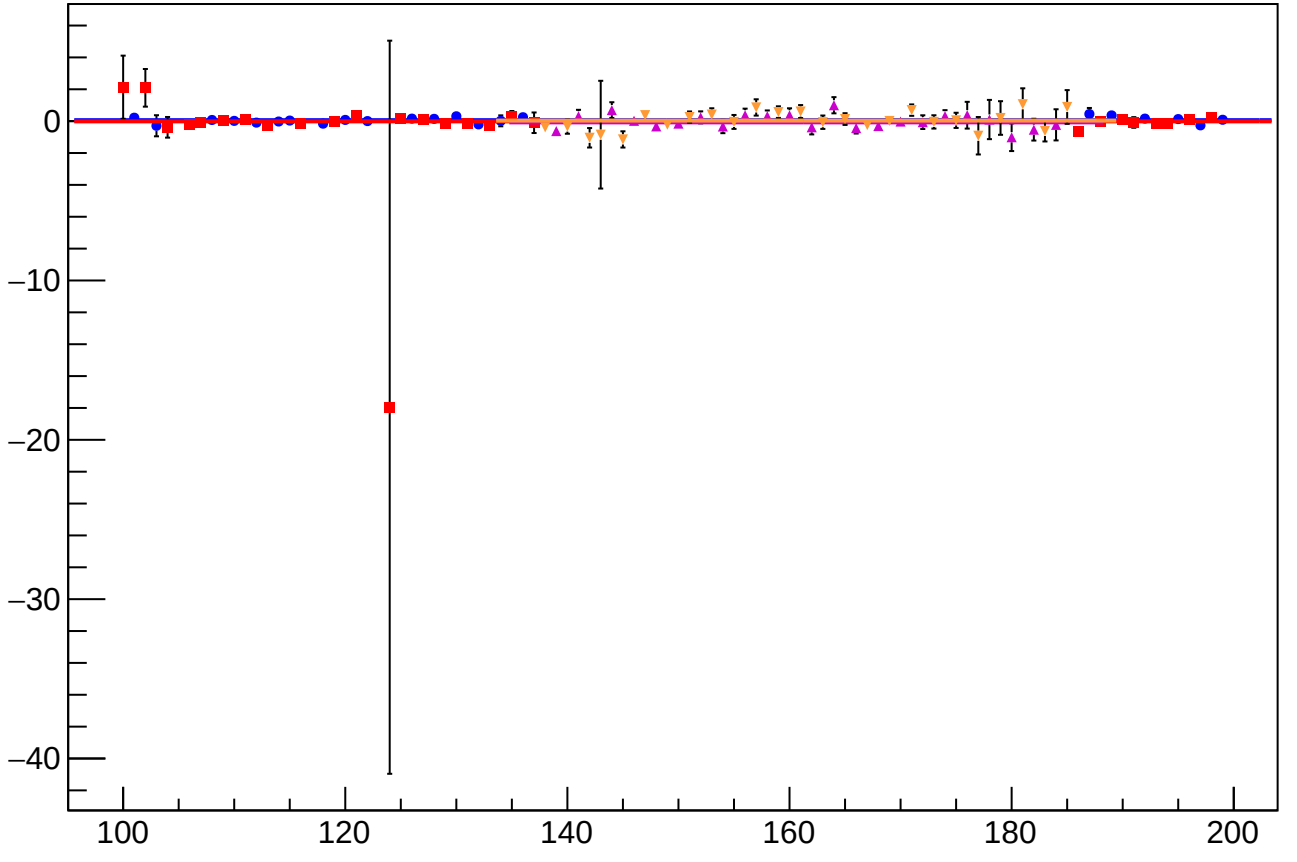
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17794286.0/46

All: 0.000+/-0.000 χ^2/NDF: 34554592.5/96

- sign 0.000+/-0.000 χ^2/NDF: 6282741.7/49

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.035 χ^2/NDF: 30.5/26

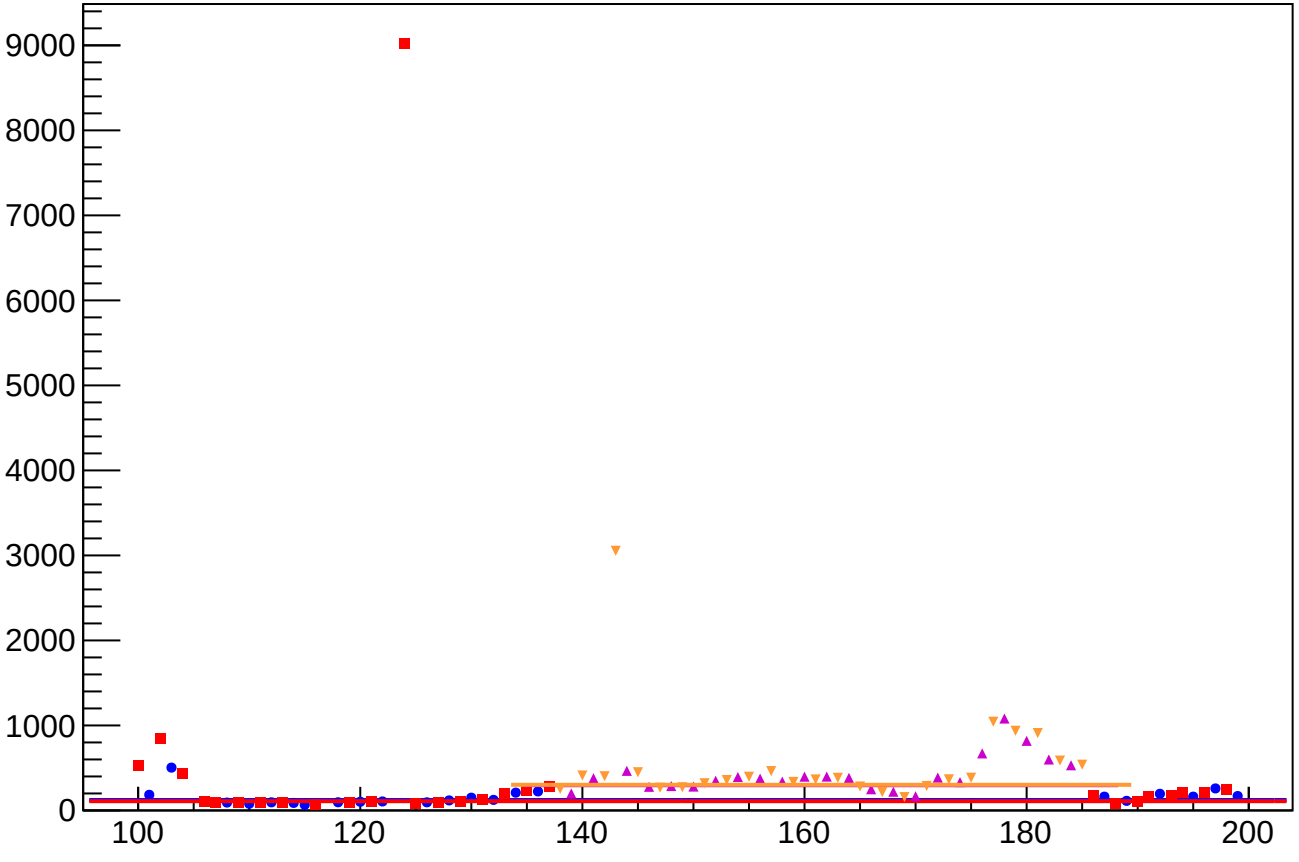
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/46

All: 0.011+/-0.024 χ^2/NDF: 103.4/96

- sign -0.025+/-0.032 χ^2/NDF: 55.2/49

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 122.233+/-0.028 χ^2/NDF: 3037335.4/21

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

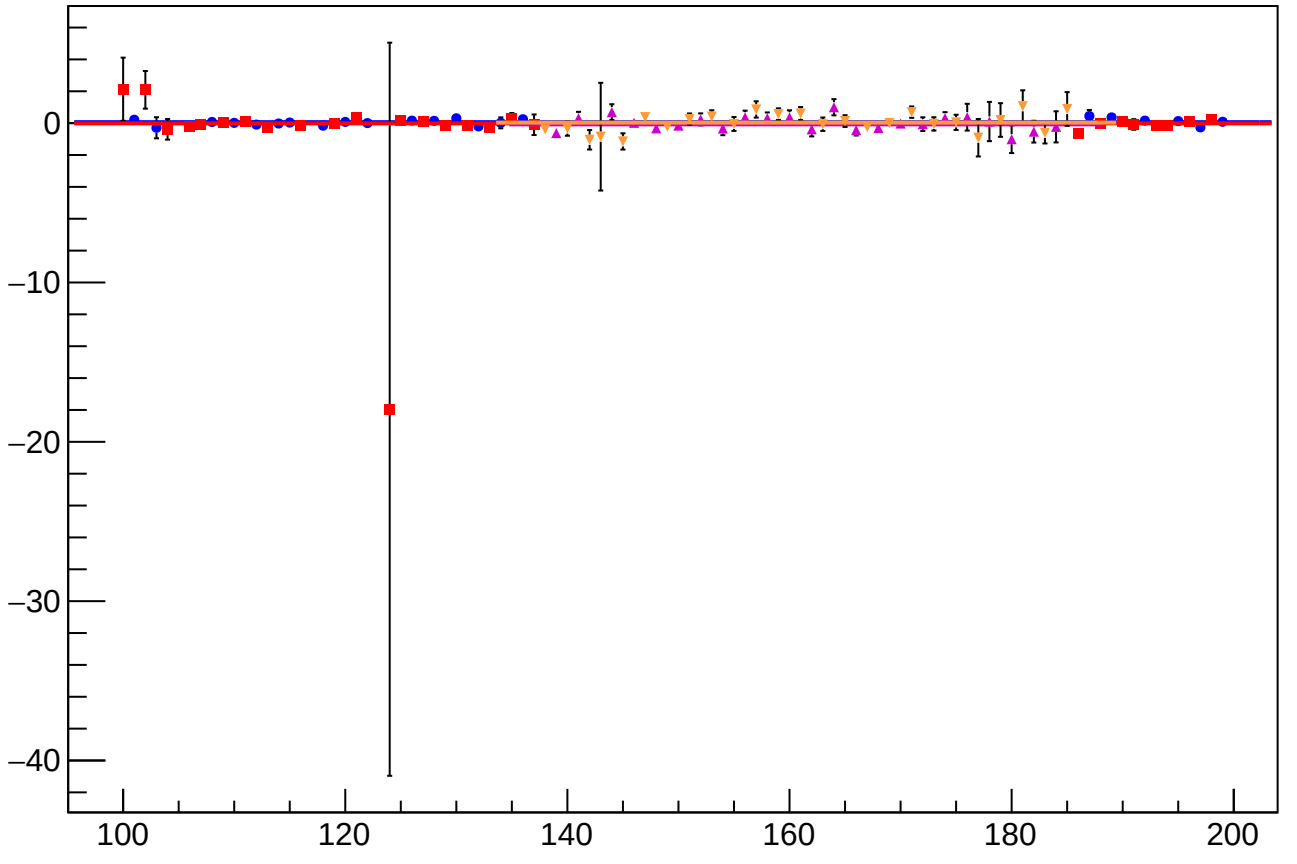
Right Out: 109.068+/-0.025 χ^2/NDF: 4554301.2/26

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 160.168+/-0.025 χ^2/NDF: 18317849.8/46

All: 150.469+/-0.017 χ^2/NDF: 38169353.7/96

- sign 142.540+/-0.023 χ^2/NDF: 19578108.5/49



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.035 χ^2/NDF: 30.5/26

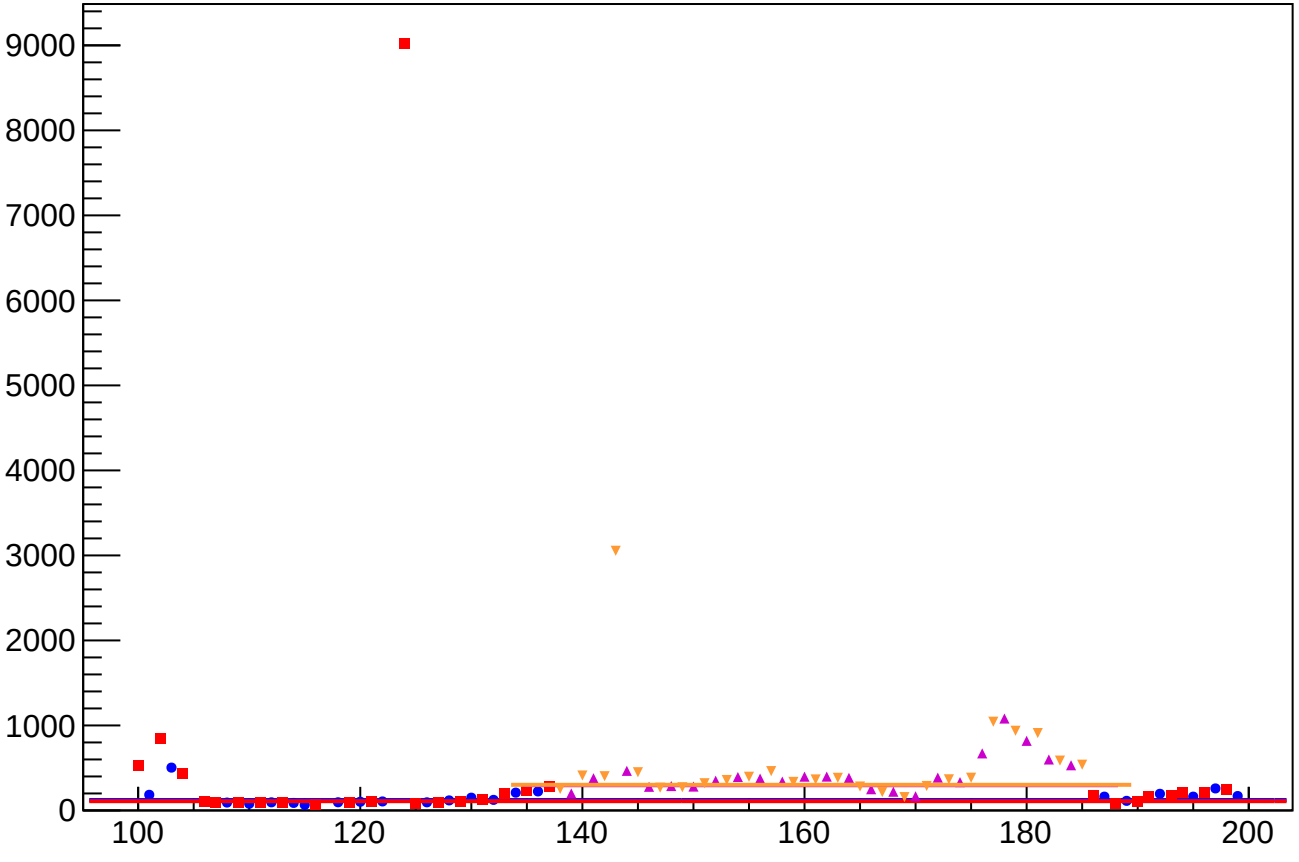
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/46

All: 0.011+/-0.024 χ^2/NDF: 103.4/96

- sign -0.025+/-0.032 χ^2/NDF: 55.2/49

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 122.233+/-0.028 χ^2/NDF: 3037335.4/21

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

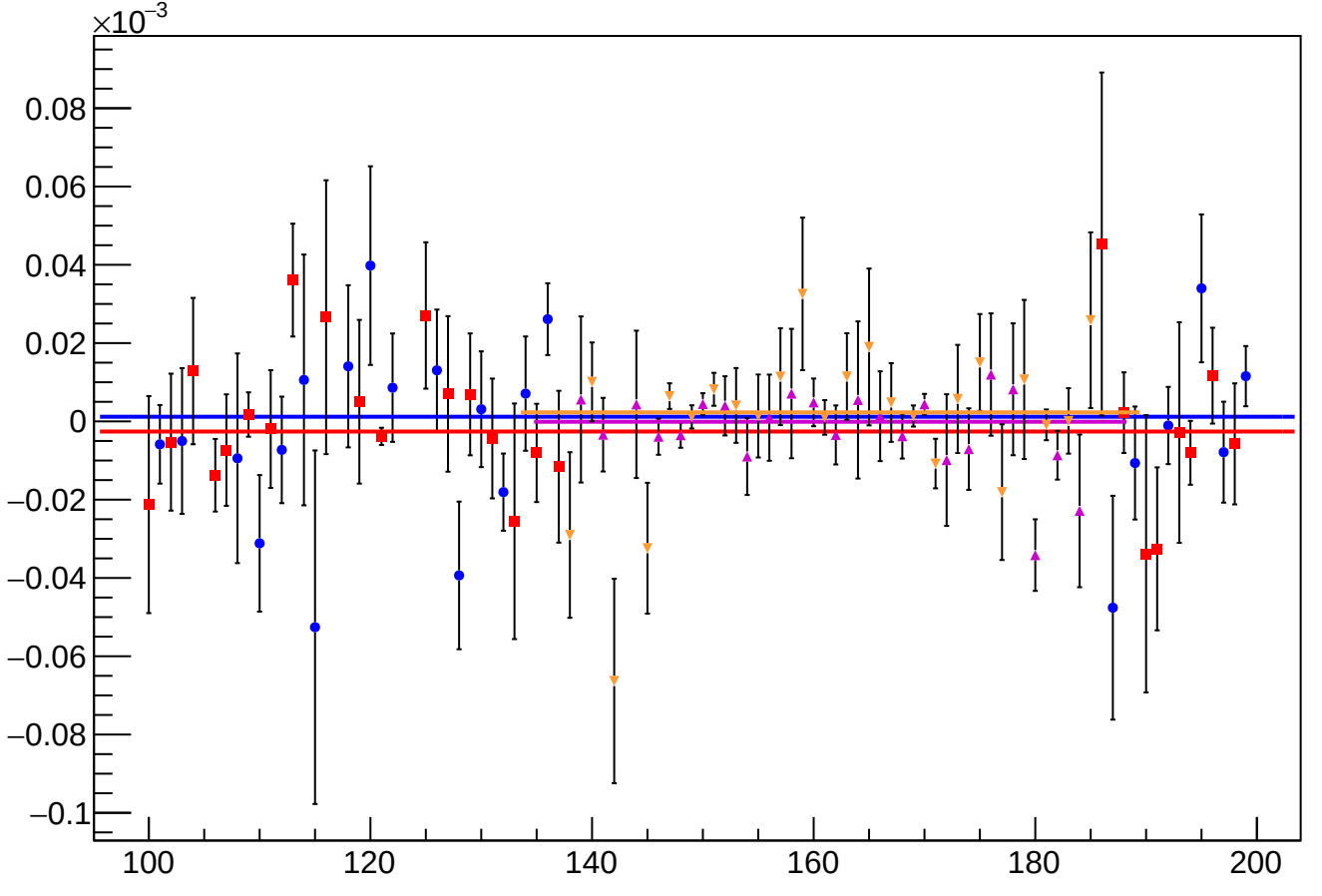
Right Out: 109.068+/-0.025 χ^2/NDF: 4554301.2/26

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 160.168+/-0.025 χ^2/NDF: 18317849.8/46

All: 150.469+/-0.017 χ^2/NDF: 38169353.7/96

- sign 142.540+/-0.023 χ^2/NDF: 19578108.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 34.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/25

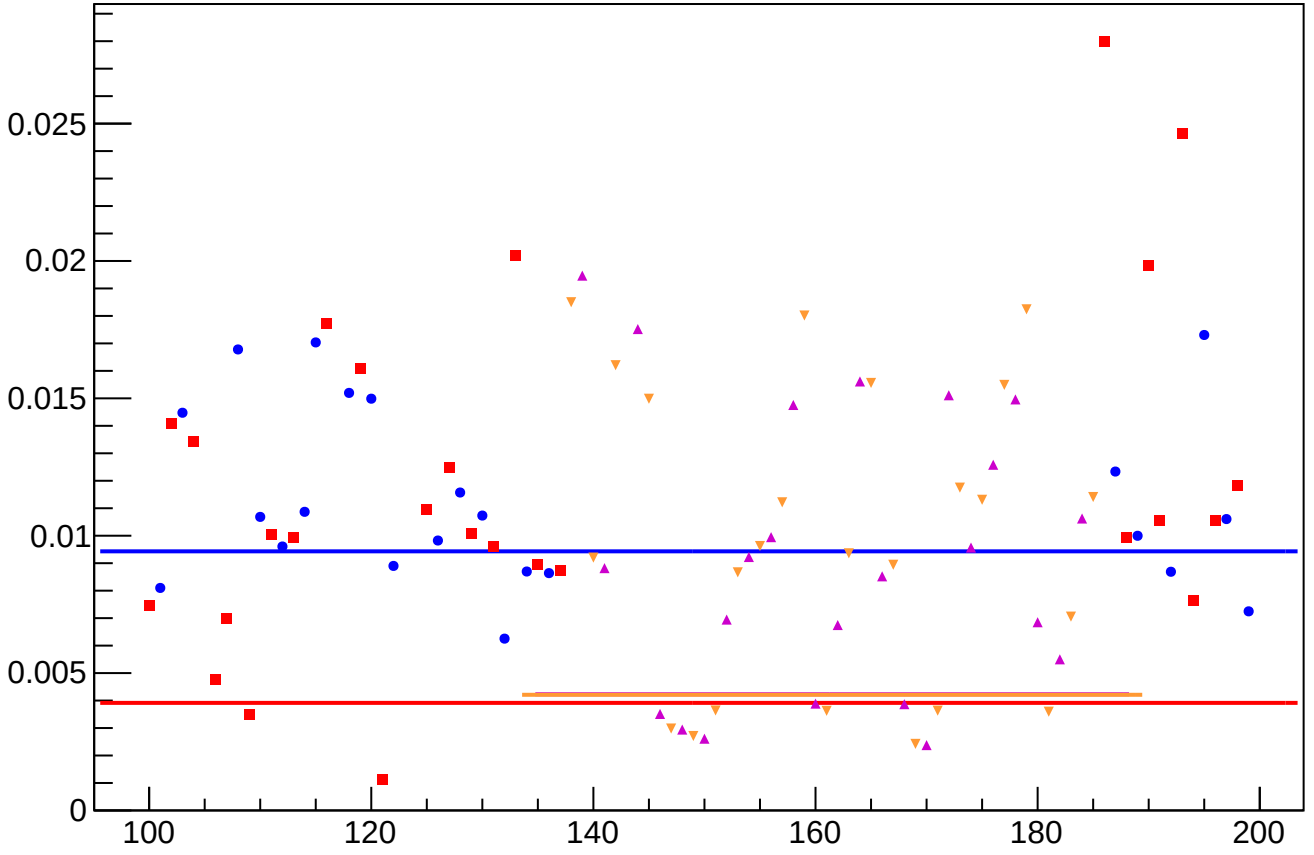
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/45

All: 0.000+/-0.000 χ^2/NDF: 122.3/94

- sign -0.000+/-0.000 χ^2/NDF: 52.3/48

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1488802.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

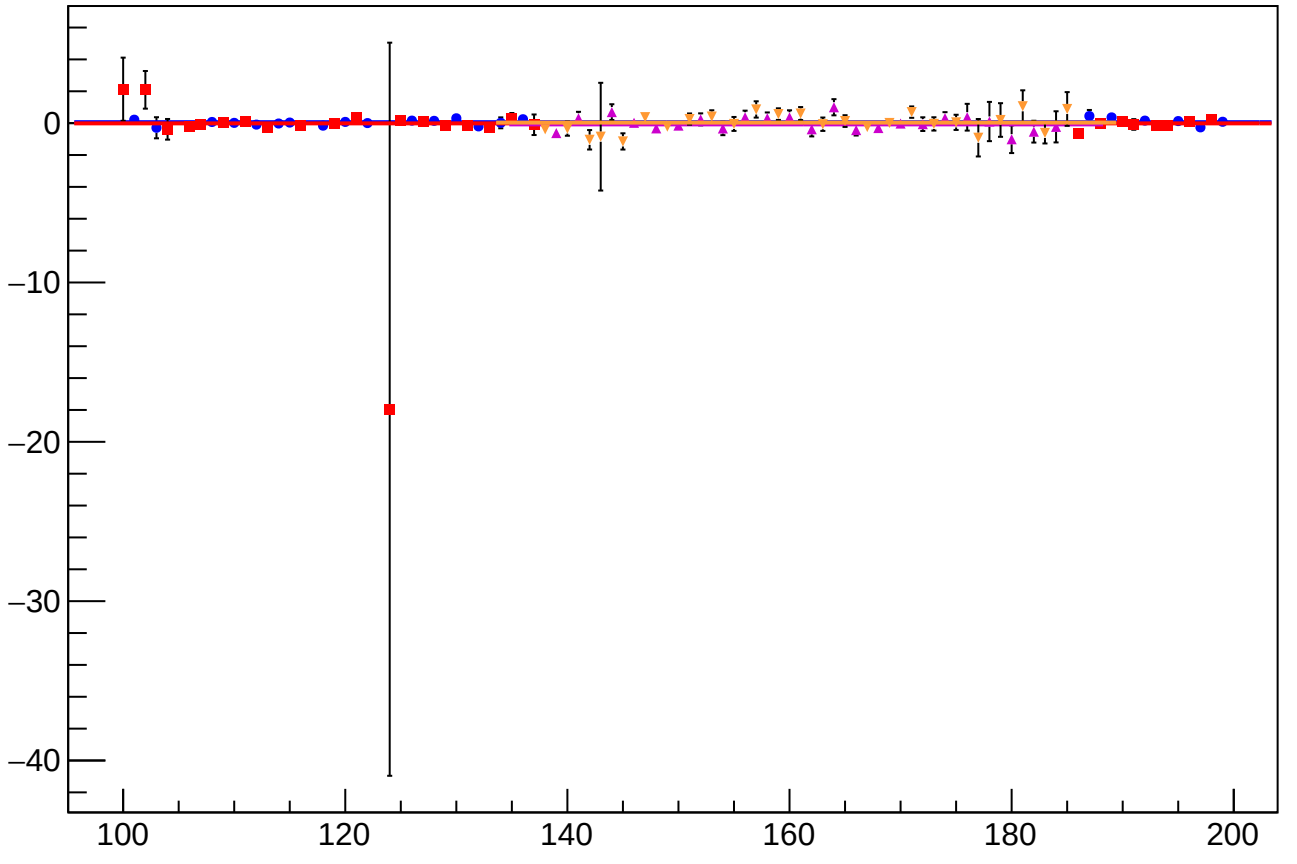
Right Out: 0.004+/-0.000 χ^2/NDF: 13060524.6/25

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 18840636.6/45

All: 0.005+/-0.000 χ^2/NDF: 43631083.9/94

- sign 0.004+/-0.000 χ^2/NDF: 24137884.2/48



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.035 χ^2/NDF: 30.5/26

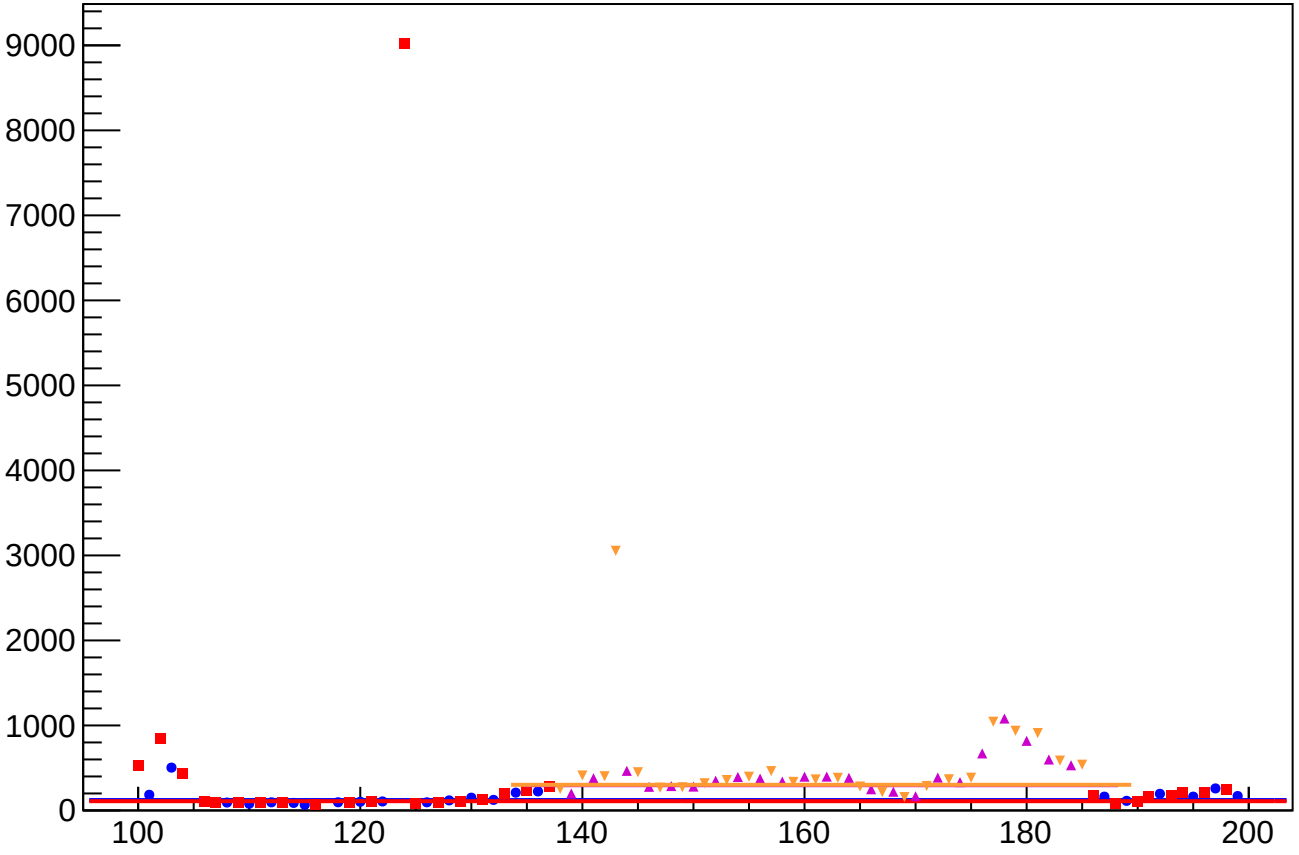
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/46

All: 0.011+/-0.024 χ^2/NDF: 103.4/96

- sign -0.025+/-0.032 χ^2/NDF: 55.2/49

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 122.233+/-0.028 χ^2/NDF: 3037277.2/21

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

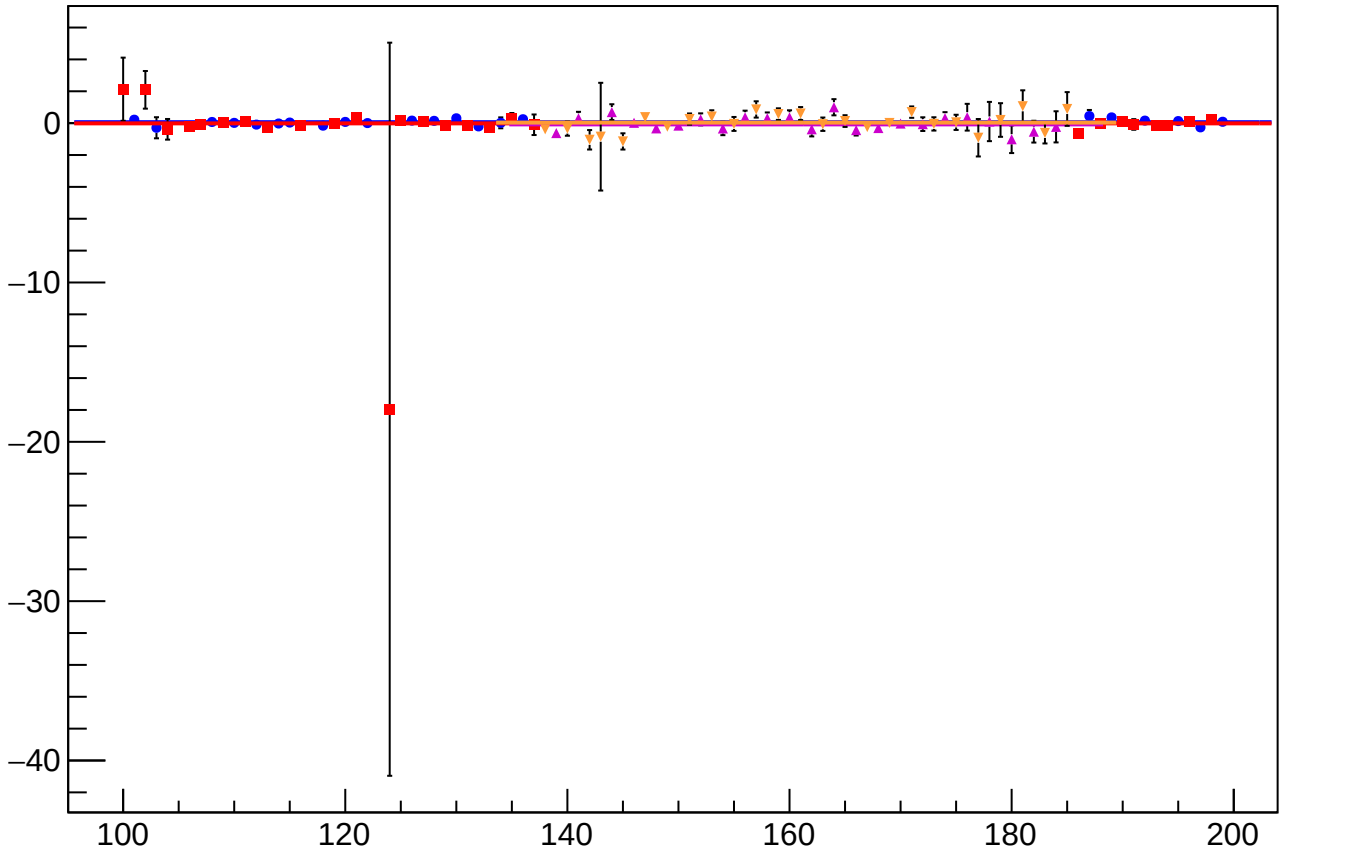
Right Out: 109.069+/-0.025 χ^2/NDF: 4554156.7/26

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 160.168+/-0.025 χ^2/NDF: 18317903.8/46

All: 150.469+/-0.017 χ^2/NDF: 38169306.7/96

- sign 142.541+/-0.023 χ^2/NDF: 19578023.2/49



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.035 χ^2/NDF: 30.5/26

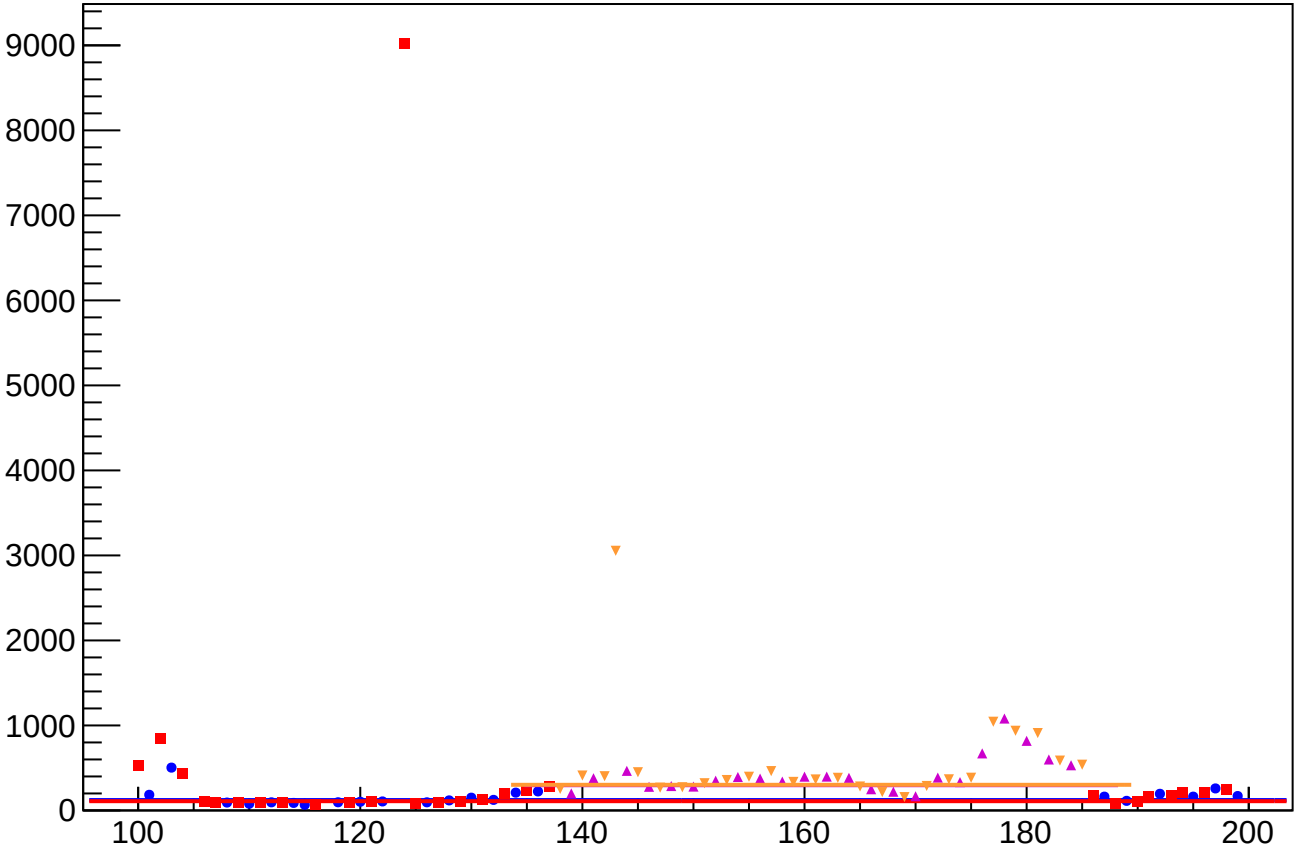
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/46

All: 0.011+/-0.024 χ^2/NDF: 103.4/96

- sign -0.025+/-0.032 χ^2/NDF: 55.2/49

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 122.233+/-0.028 χ^2/NDF: 3037277.2/21

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

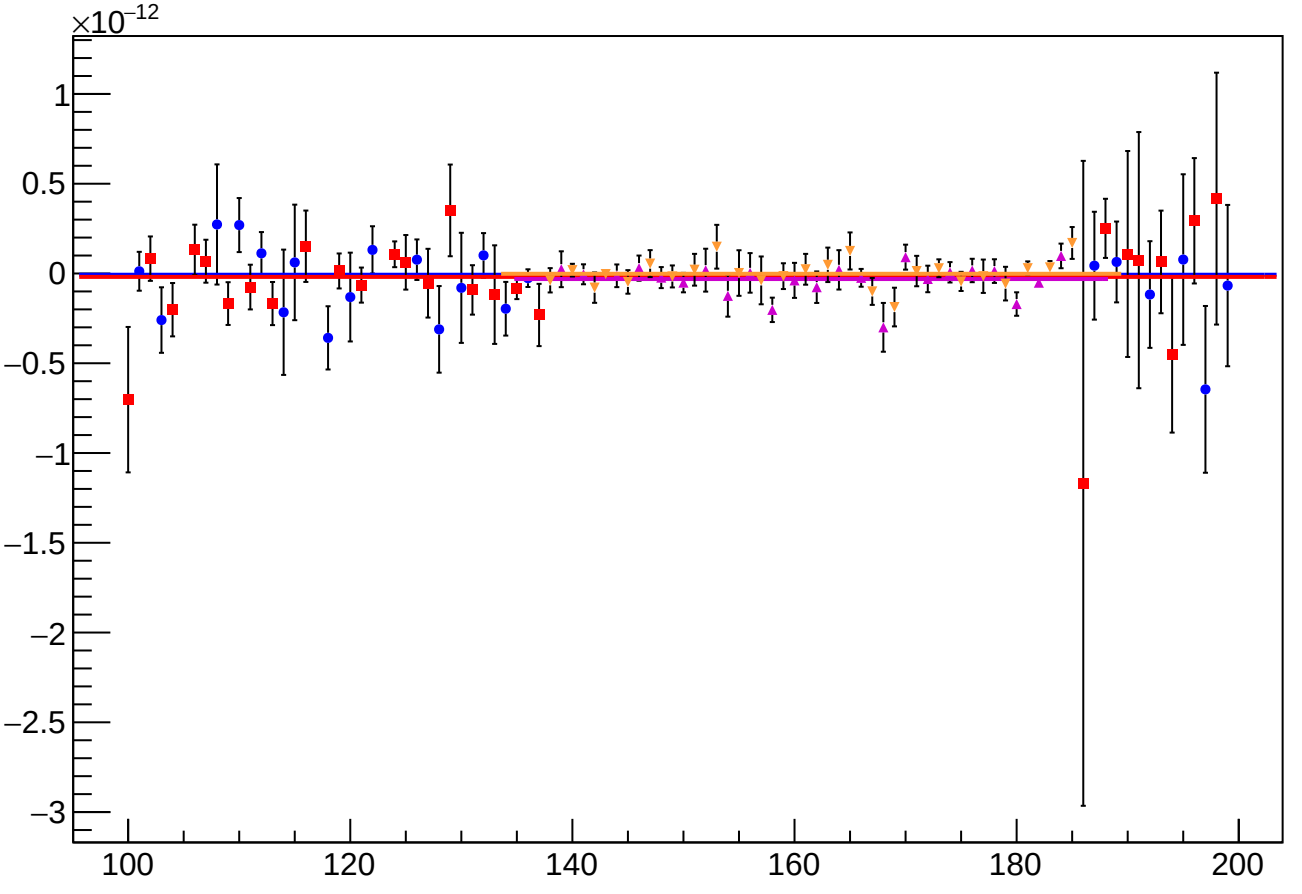
Right Out: 109.069+/-0.025 χ^2/NDF: 4554156.7/26

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 160.168+/-0.025 χ^2/NDF: 18317903.8/46

All: 150.469+/-0.017 χ^2/NDF: 38169306.7/96

- sign 142.541+/-0.023 χ^2/NDF: 19578023.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

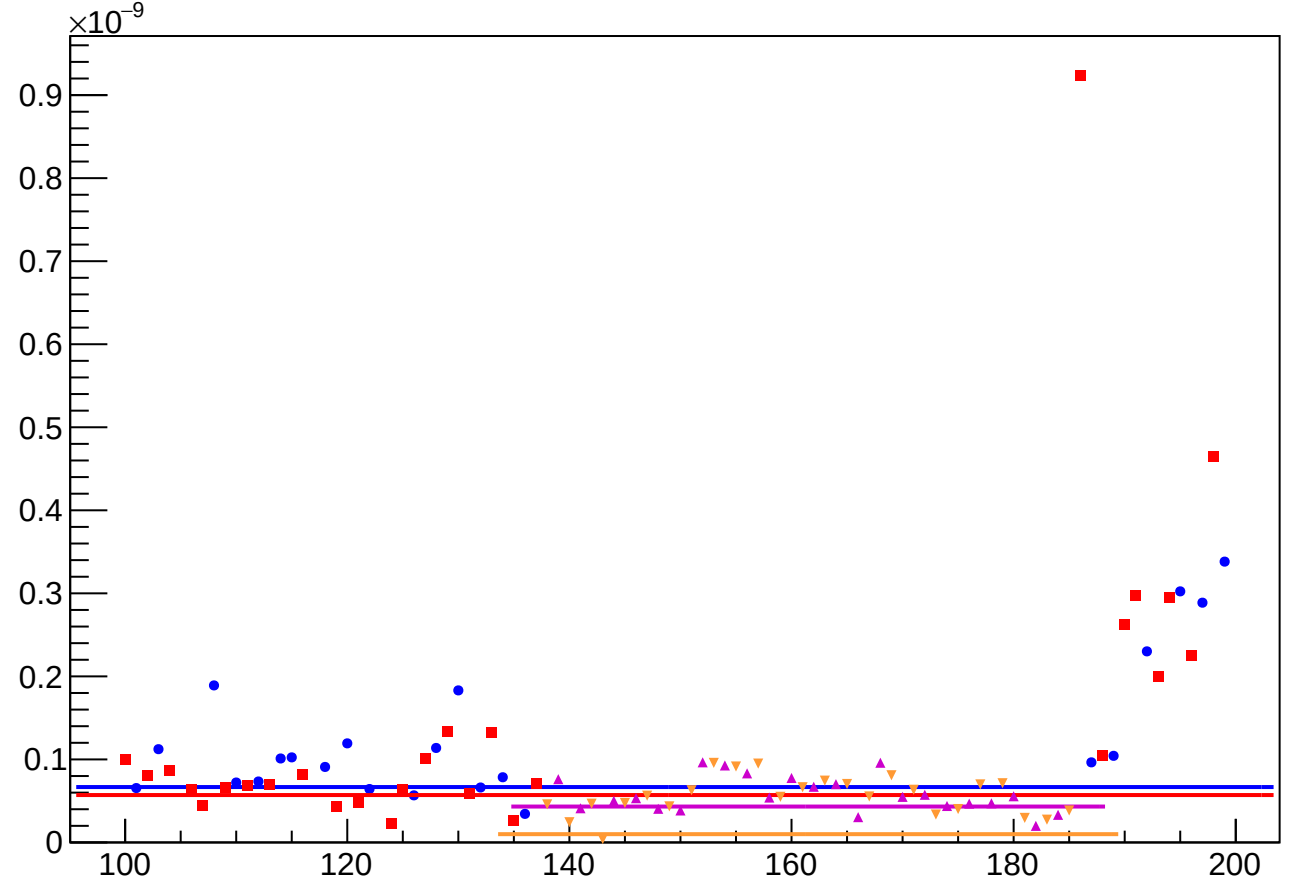
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.5/46

All: -0.000+/-0.000 χ^2/NDF: 93.5/96

- sign -0.000+/-0.000 χ^2/NDF: 51.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 4186761.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5121168.8/26

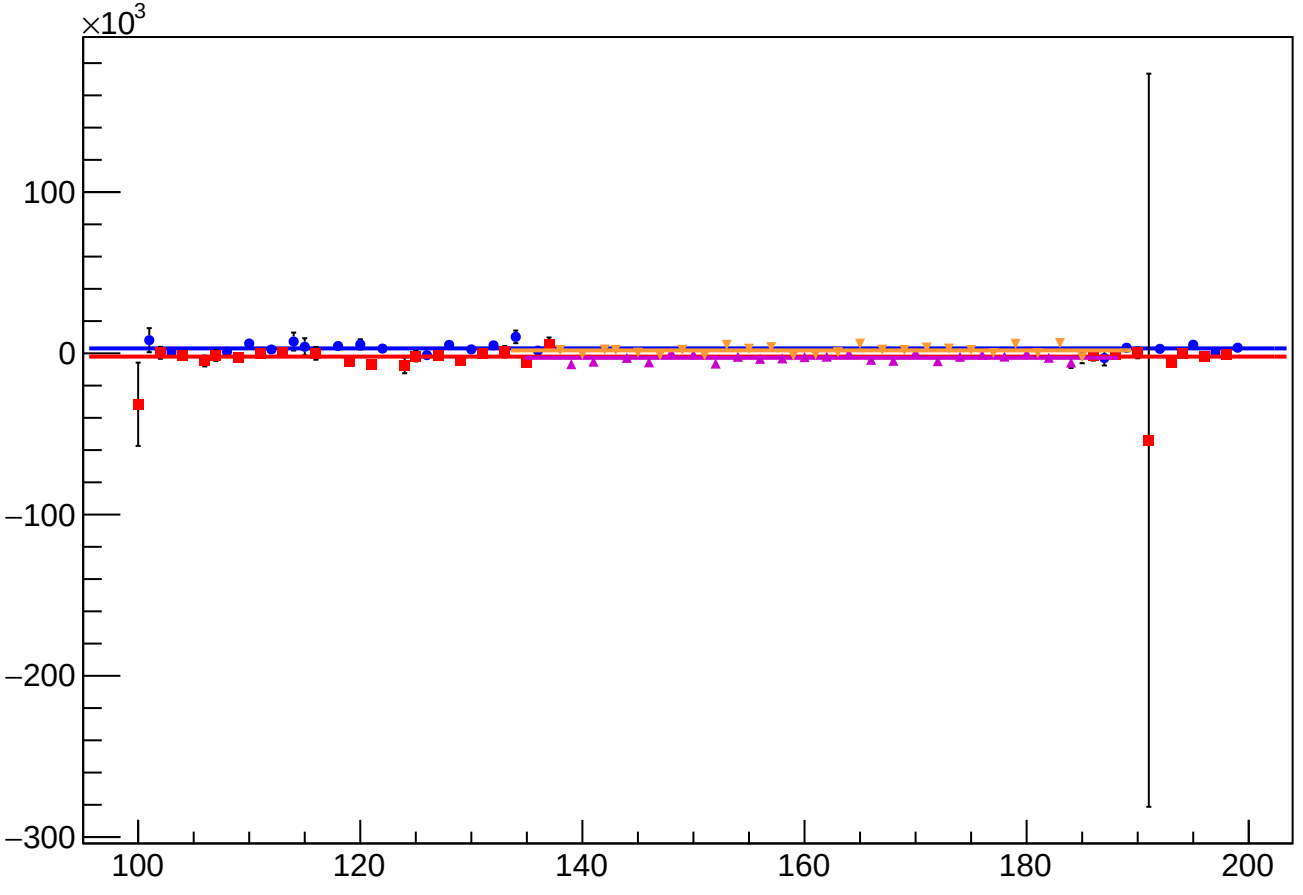
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 29273076.8/46

All: 0.000+/-0.000 χ^2/NDF: 53156427.1/96

- sign 0.000+/-0.000 χ^2/NDF: 9606153.5/49

reg_asym_atr_avg_mean vs Slug



Right In: 3065.039+/-581.127 χ^2/NDF: 15.9/21

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2024.240+/-556.023 χ^2/NDF: 21.0/26

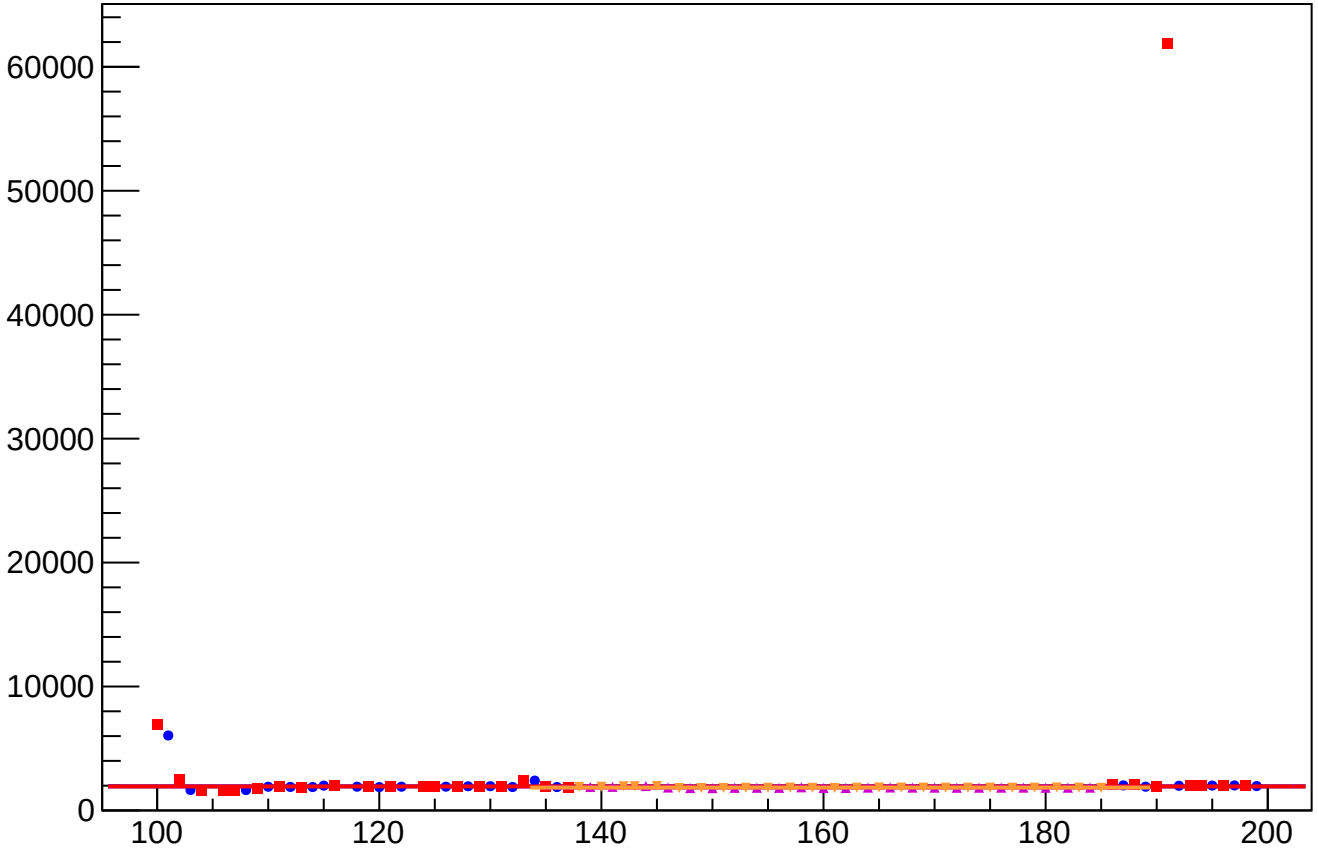
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2268.223+/-340.406 χ^2/NDF: 50.3/46

All: -111.571+/-240.765 χ^2/NDF: 195.7/96

- sign -2493.802+/-340.580 χ^2/NDF: 47.6/49

reg_asym_atr_avg_rms vs Slug



Right In: 1944.214+/-0.411 χ^2/NDF: 705767.3/21

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1939.385+/-0.392 χ^2/NDF: 402710.7/26

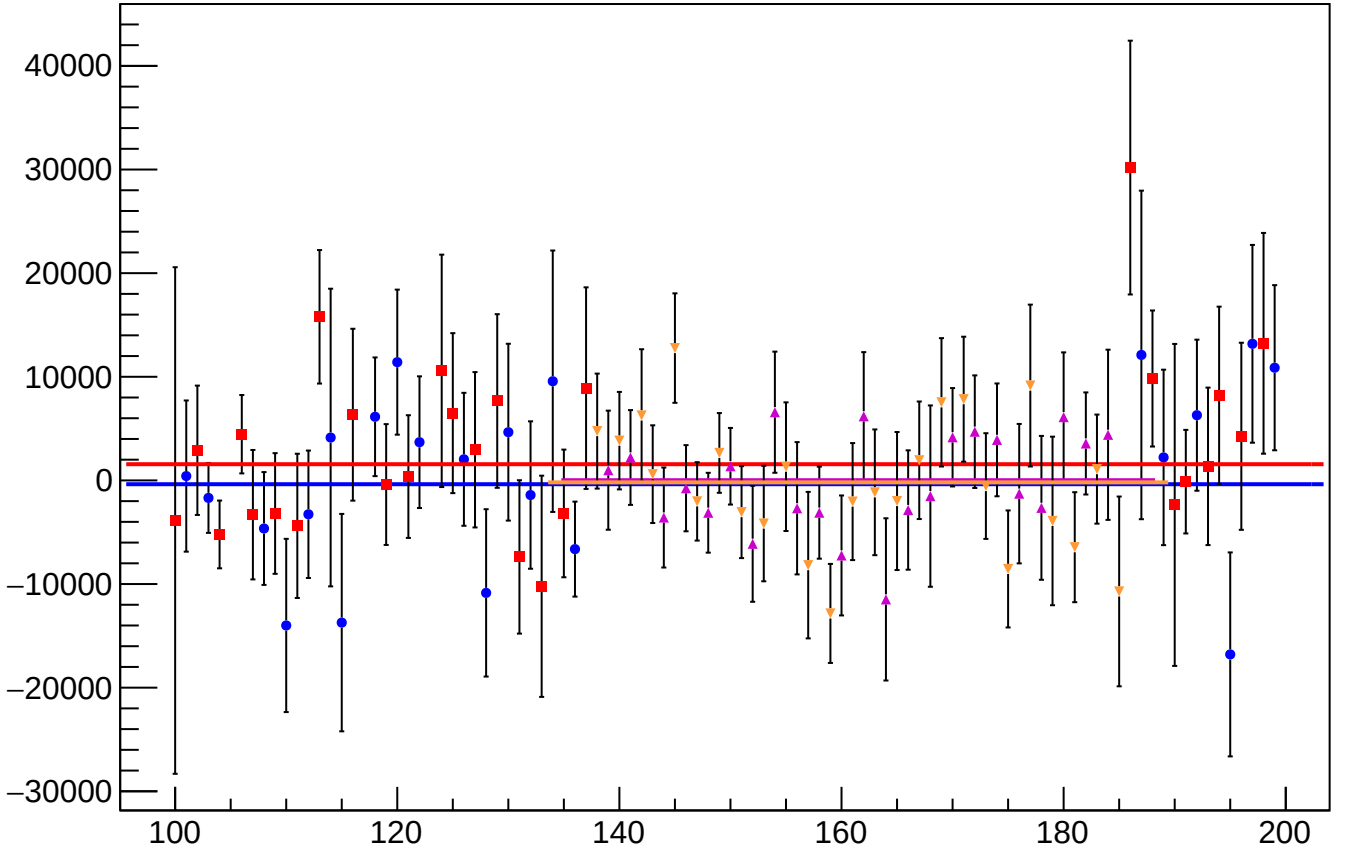
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1881.356+/-0.241 χ^2/NDF: 762276.3/46

All: 1880.950+/-0.170 χ^2/NDF: 1215075.7/96

- sign 1880.544+/-0.241 χ^2/NDF: 452793.7/49

asym_atr_avg_reg_correction_mean vs Slug



Right In: -367.009+/-1456.110 χ^2/NDF: 22.9/21

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1564.258+/-1280.271 χ^2/NDF: 26.9/26

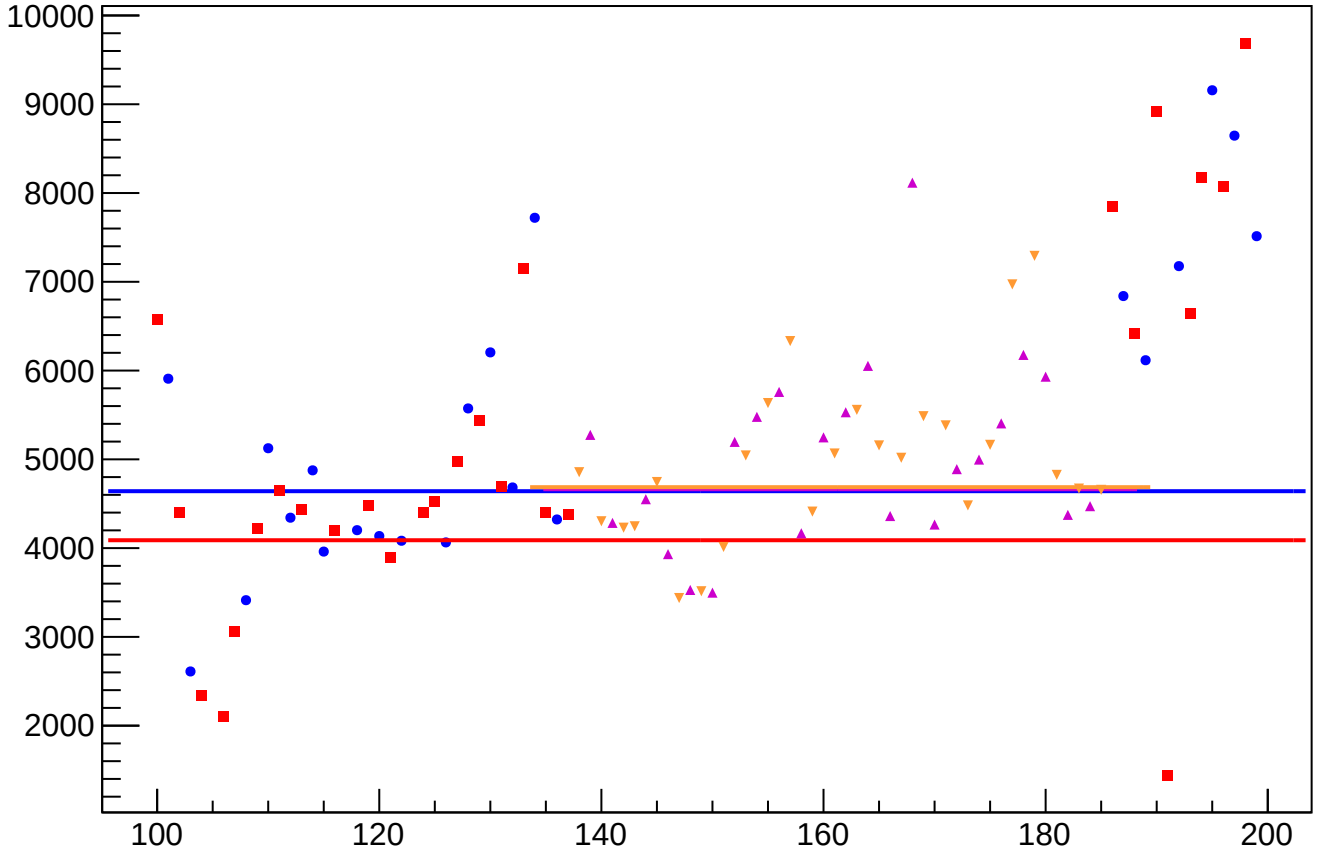
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -253.117+/-871.889 χ^2/NDF: 51.9/46

All: 233.057+/-604.848 χ^2/NDF: 94.0/96

- sign 684.085+/-839.783 χ^2/NDF: 41.5/49

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4641.254+/-1.030 χ^2/NDF: 2558412.0/21

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4088.741+/-0.905 χ^2/NDF: 4329232.4/26

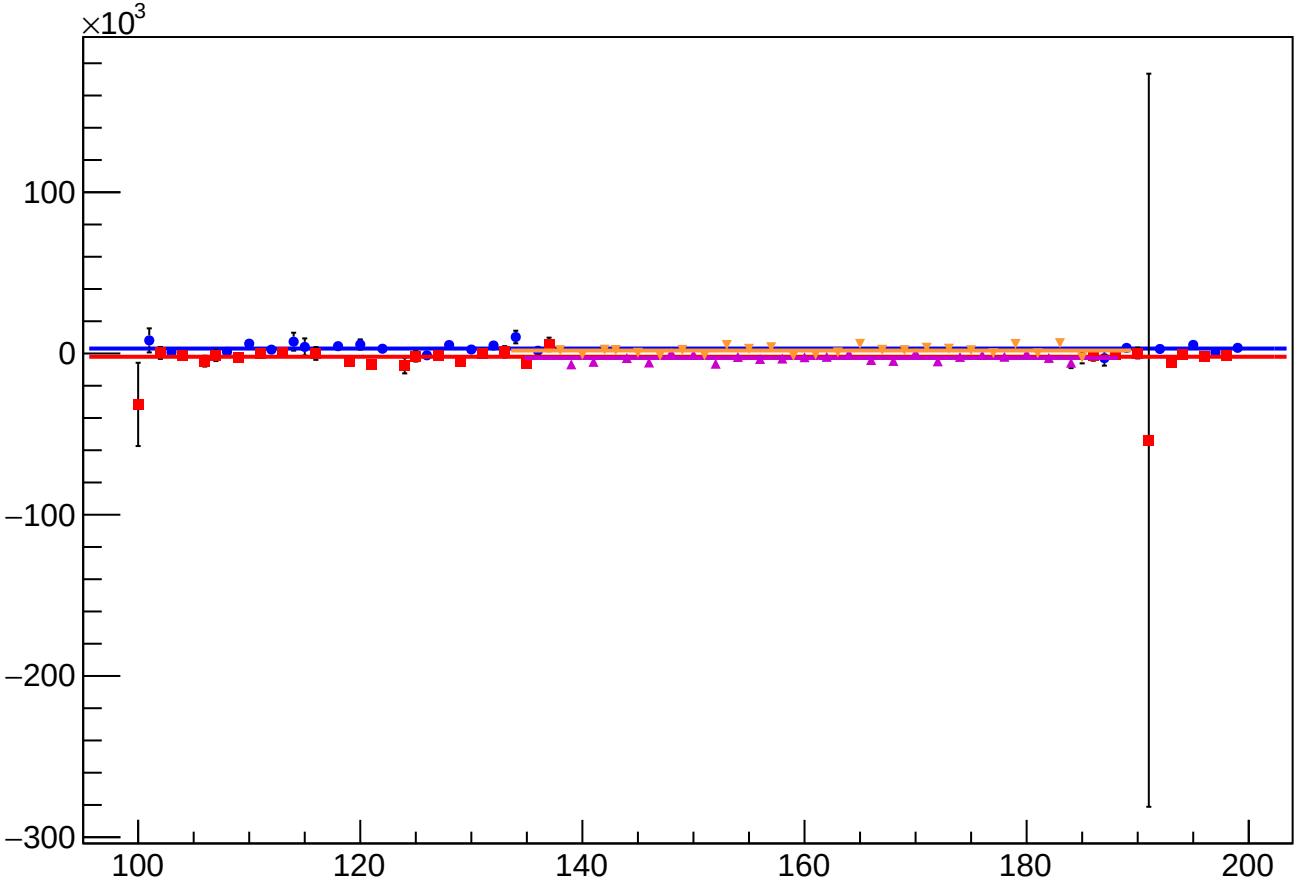
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4670.183+/-0.617 χ^2/NDF: 3744706.3/46

All: 4538.364+/-0.428 χ^2/NDF: 9678264.7/96

- sign 4416.074+/-0.594 χ^2/NDF: 5845431.4/49

cor_asym_atr_avg_mean vs Slug



Right In: 3064.657+/-581.127 χ^2/NDF: 15.9/21

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2024.896+/-556.025 χ^2/NDF: 21.0/26

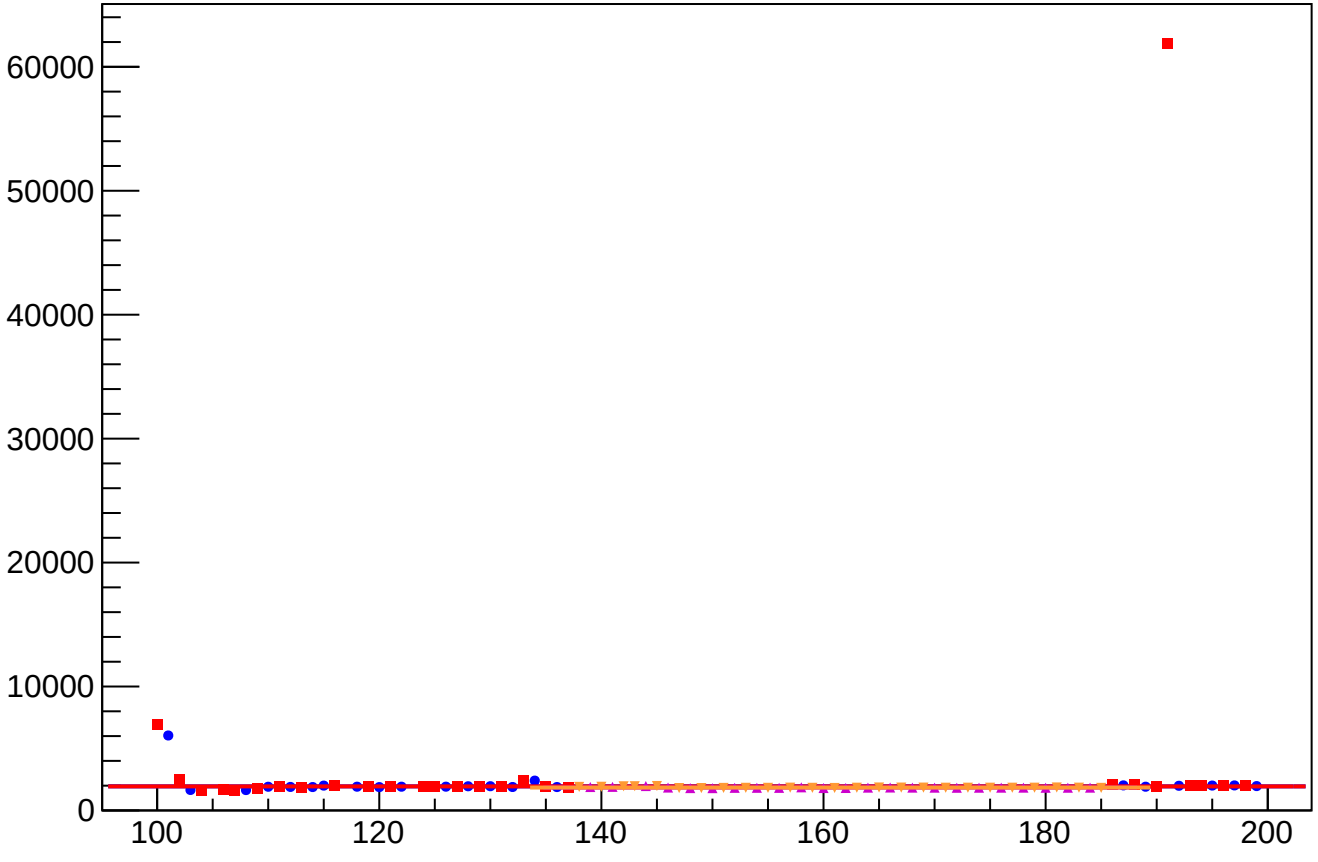
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2268.019+/-340.406 χ^2/NDF: 50.3/46

All: -111.786+/-240.765 χ^2/NDF: 195.7/96

- sign -2494.034+/-340.581 χ^2/NDF: 47.6/49

cor_asym_atr_avg_rms vs Slug



Right In: 1944.214+/-0.411 χ^2/NDF: 705766.3/21

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1941.939+/-0.393 χ^2/NDF: 394684.1/26

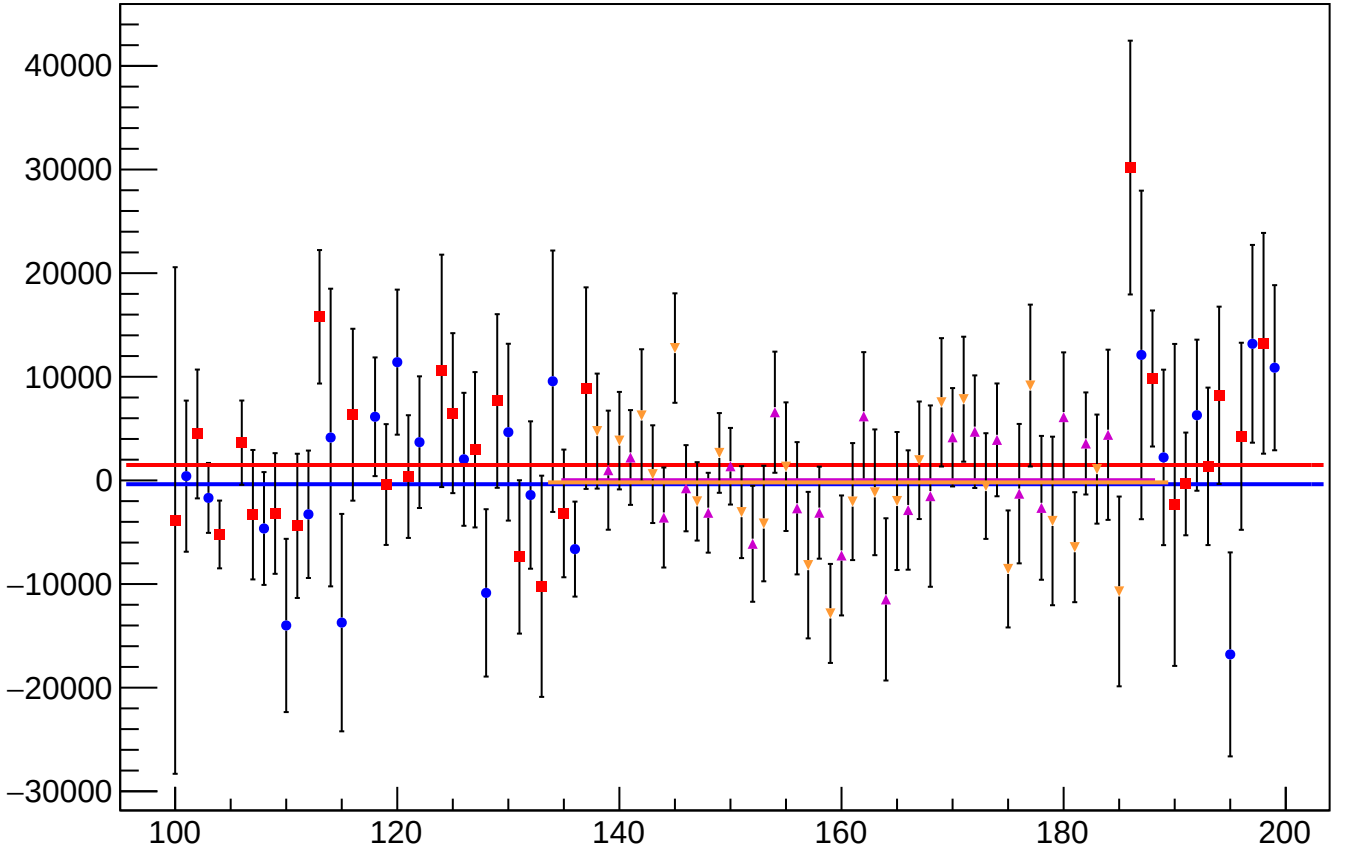
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1881.356+/-0.241 χ^2/NDF: 762275.5/46

All: 1881.404+/-0.170 χ^2/NDF: 1208966.4/96

- sign 1881.452+/-0.241 χ^2/NDF: 446690.8/49

asym_atr_avg_cor_correction_mean vs Slug



Right In: -367.283+/-1456.113 χ^2/NDF: 22.9/21

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1487.373+/-1289.464 χ^2/NDF: 26.8/26

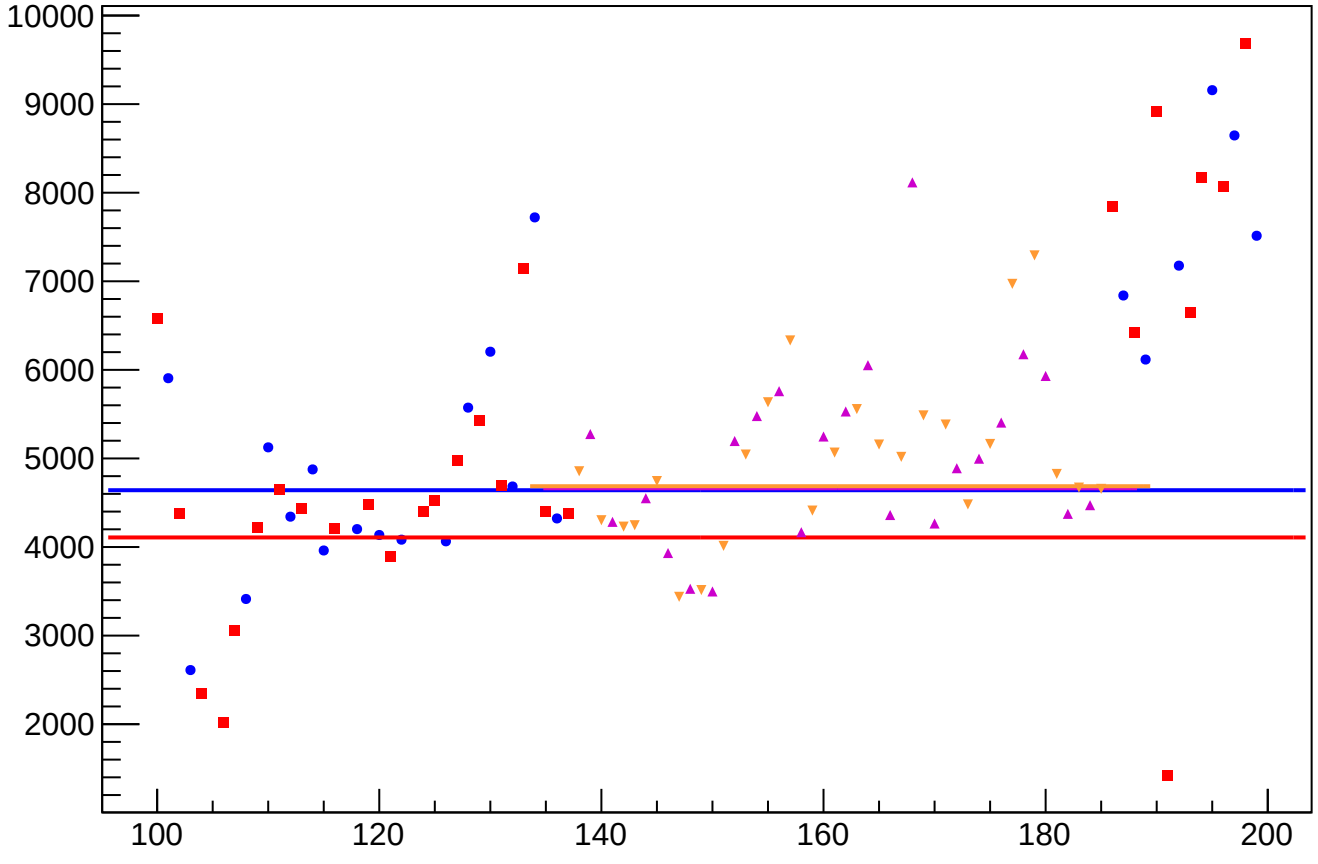
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -253.233+/-871.889 χ^2/NDF: 51.9/46

All: 211.807+/-605.810 χ^2/NDF: 93.7/96

- sign 645.883+/-842.362 χ^2/NDF: 41.3/49

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4641.334+/-1.030 χ^2/NDF: 2557838.8/21

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4108.042+/-0.912 χ^2/NDF: 4305430.9/26

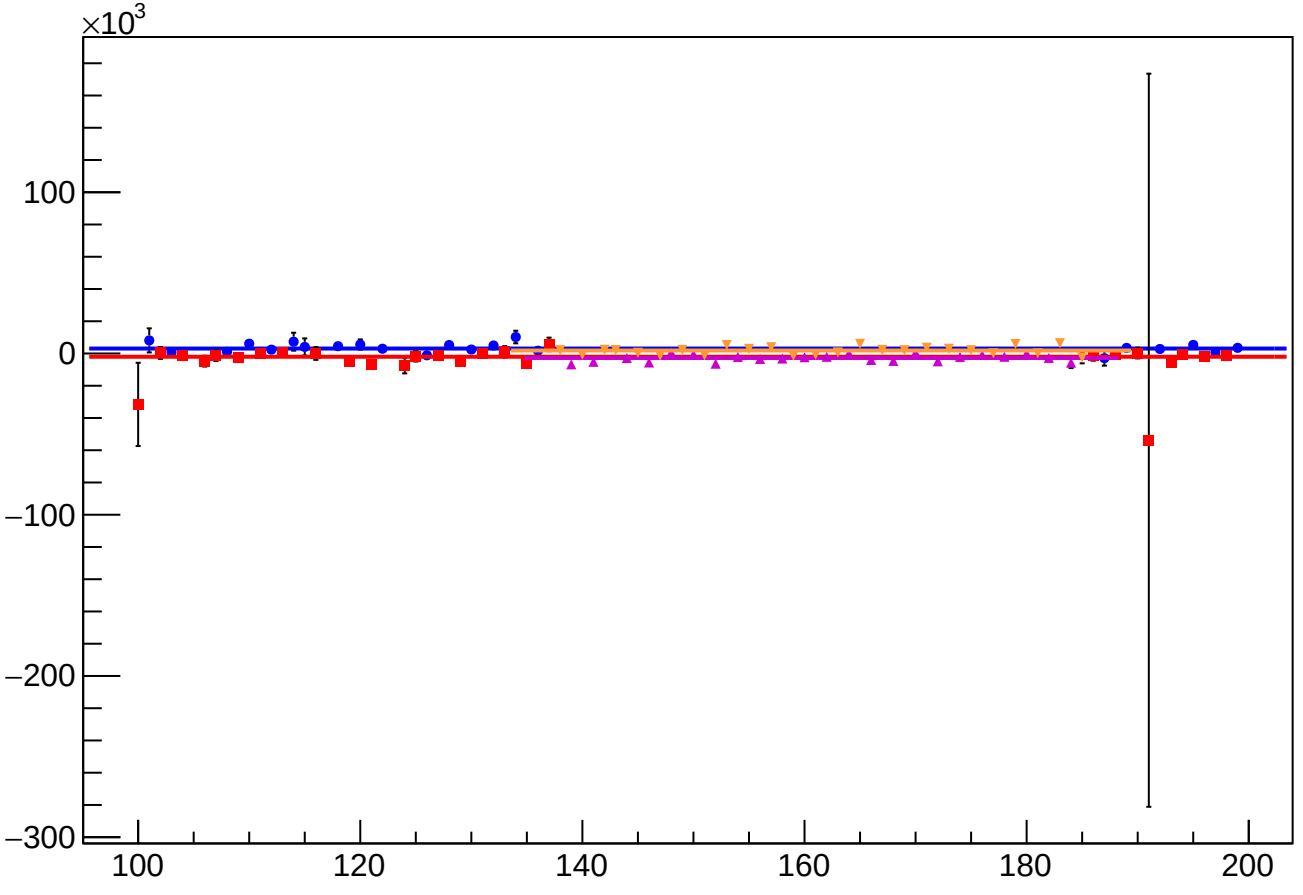
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4670.208+/-0.617 χ^2/NDF: 3744153.8/46

All: 4544.066+/-0.428 χ^2/NDF: 9629813.5/96

- sign 4426.325+/-0.596 χ^2/NDF: 5804723.0/49

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 3064.657+/-581.127 χ^2/NDF: 15.9/21

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2024.896+/-556.025 χ^2/NDF: 21.0/26

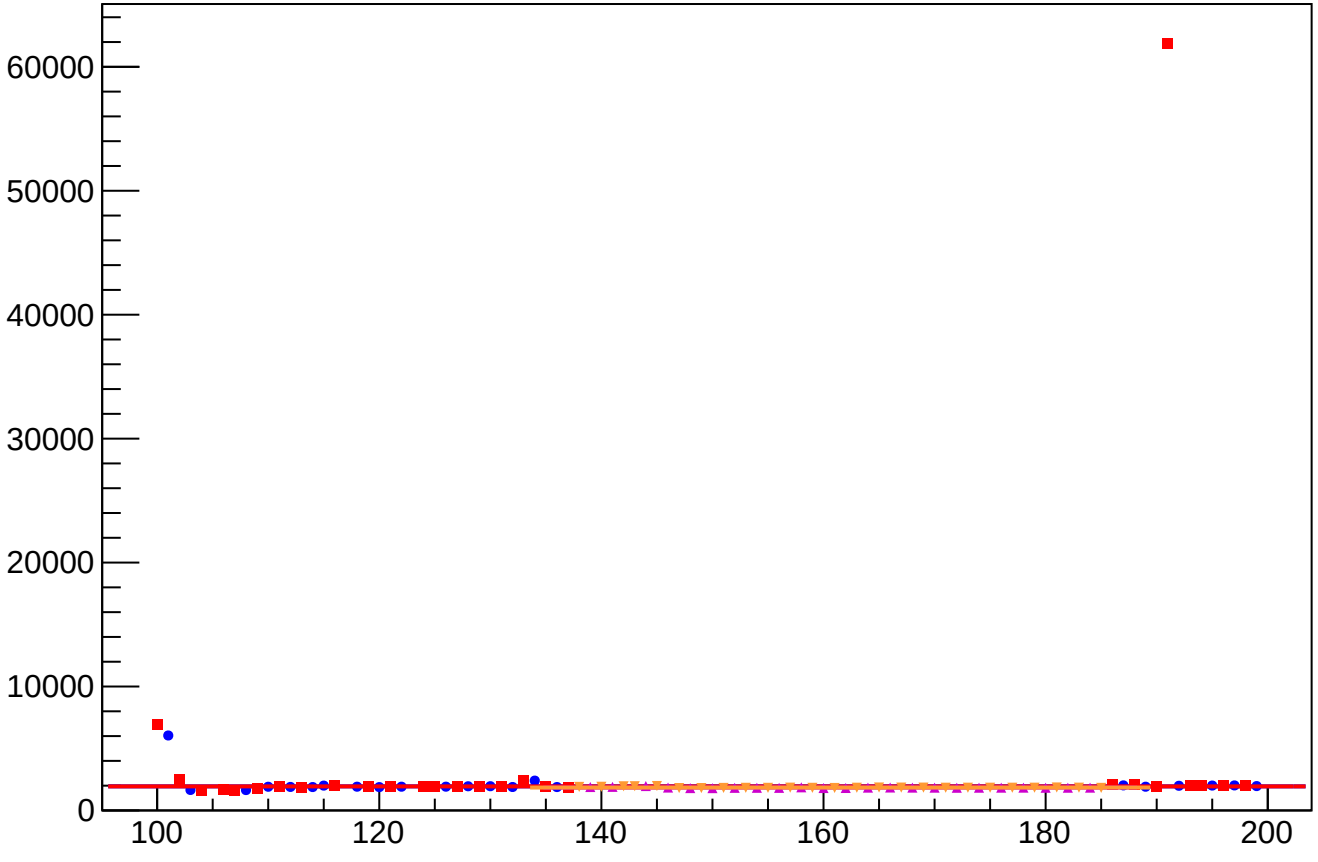
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2268.019+/-340.406 χ^2/NDF: 50.3/46

All: -111.786+/-240.765 χ^2/NDF: 195.7/96

- sign -2494.034+/-340.581 χ^2/NDF: 47.6/49

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1944.214+/-0.411 χ^2/NDF: 705766.3/21

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1941.939+/-0.393 χ^2/NDF: 394684.1/26

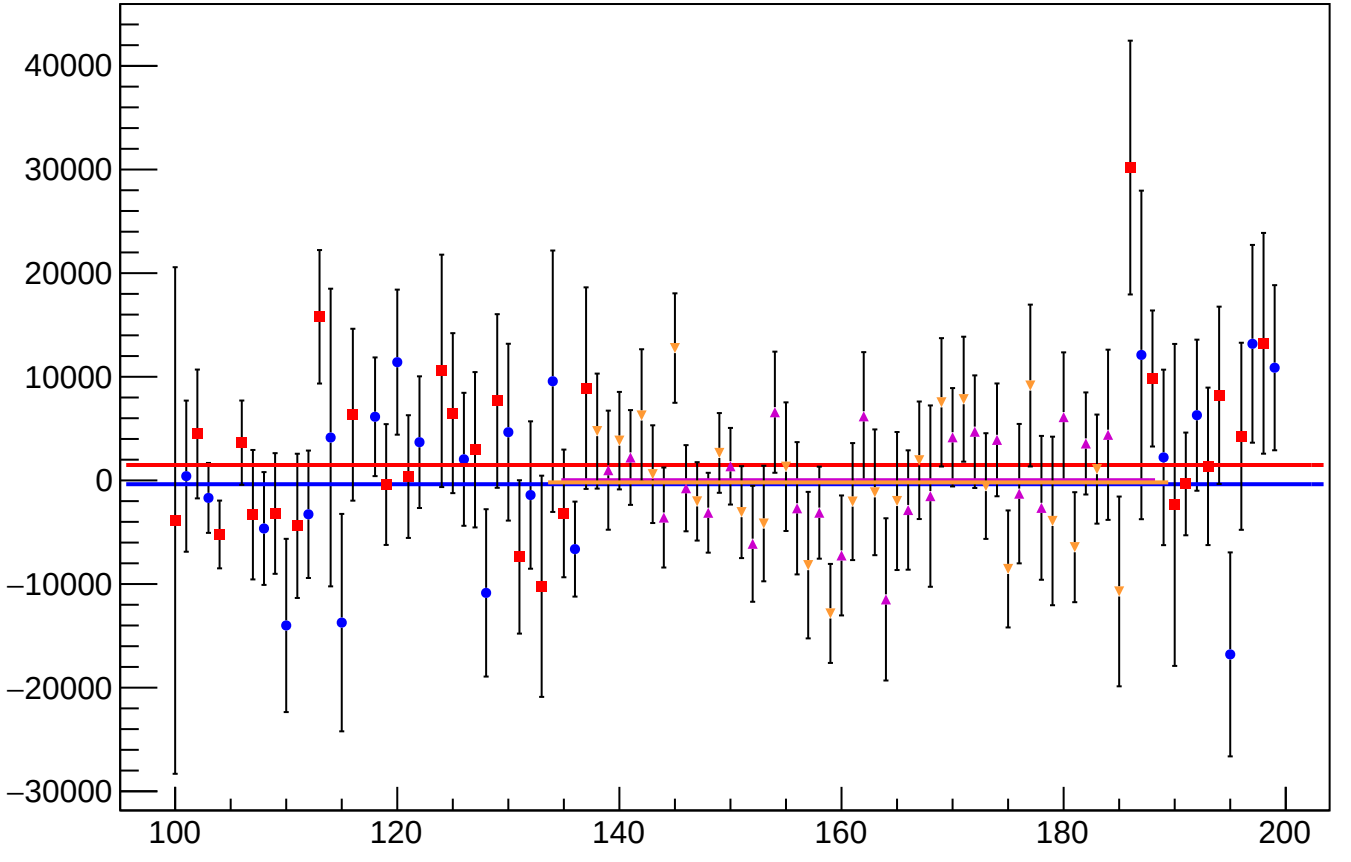
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1881.356+/-0.241 χ^2/NDF: 762275.5/46

All: 1881.404+/-0.170 χ^2/NDF: 1208966.4/96

- sign 1881.452+/-0.241 χ^2/NDF: 446690.8/49

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -367.283+/-1456.113 χ^2/NDF: 22.9/21

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

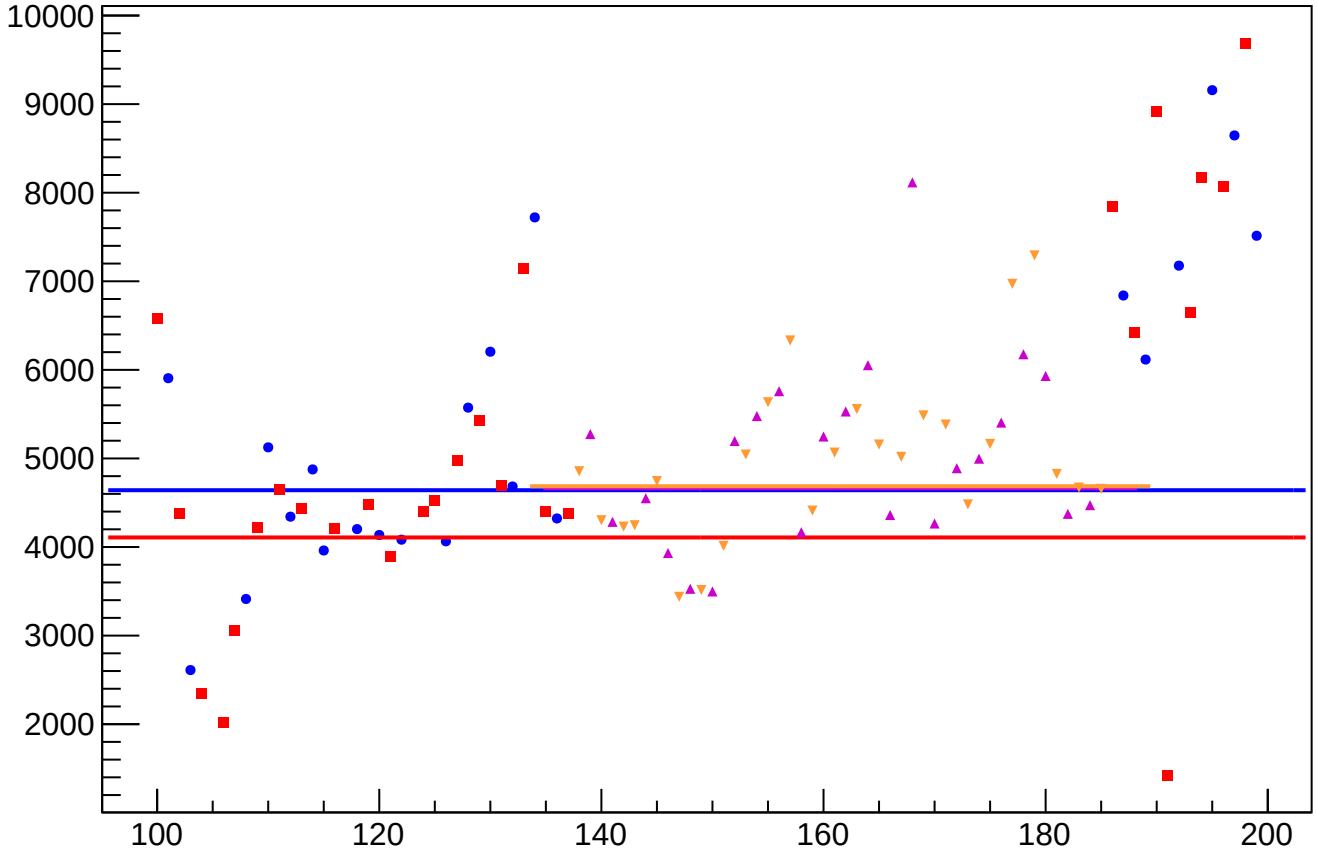
Right Out: 1487.373+/-1289.464 χ^2/NDF: 26.8/26

Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -253.233+/-871.889 χ^2/NDF: 51.9/46

All: 211.807+/-605.810 χ^2/NDF: 93.7/96

- sign 645.883+/-842.362 χ^2/NDF: 41.3/49



Right In: 4641.334+/-1.030 χ^2/NDF: 2557838.8/21

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

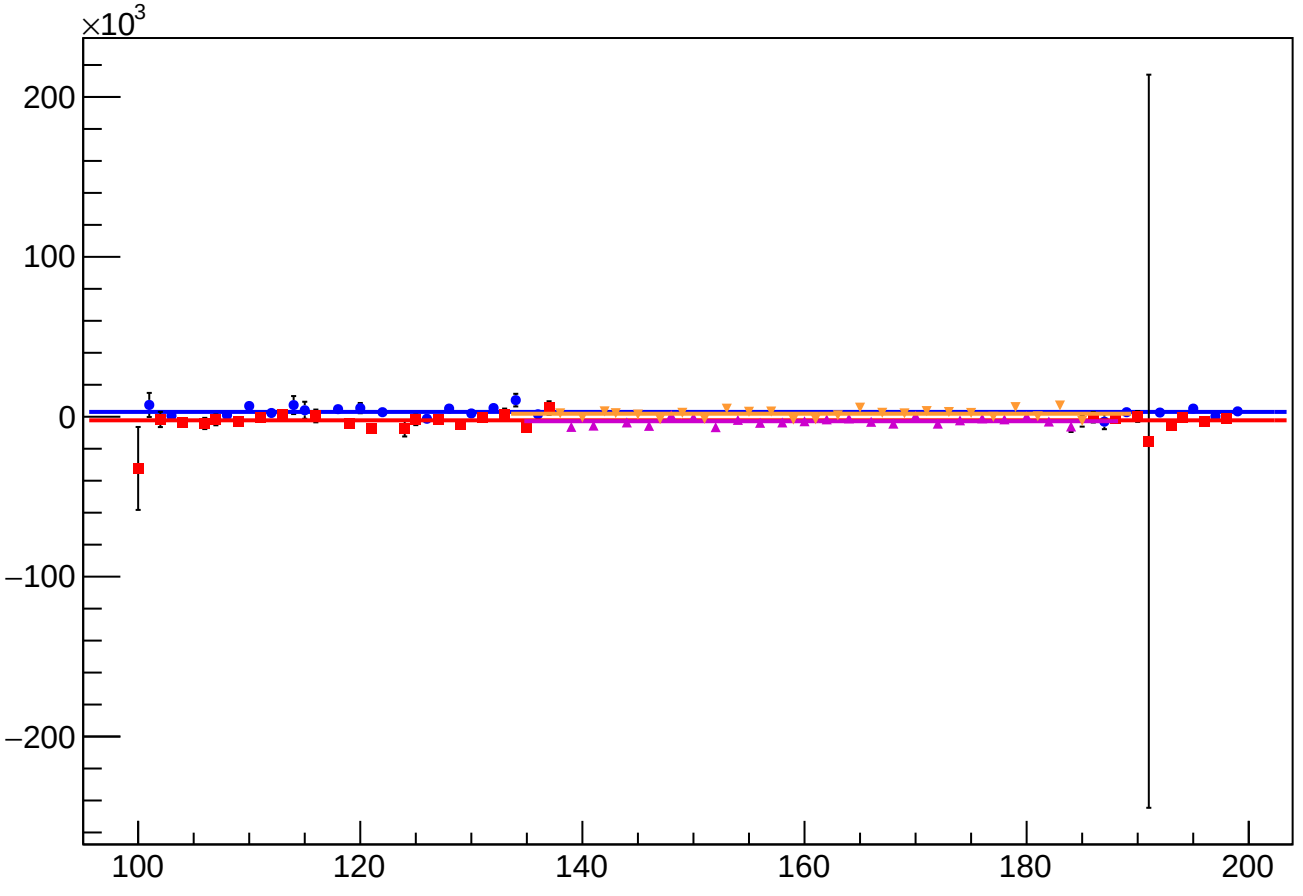
Right Out: 4108.042+/-0.912 χ^2/NDF: 4305430.9/26

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4670.208+/-0.617 χ^2/NDF: 3744153.8/46

All: 4544.066+/-0.428 χ^2/NDF: 9629813.5/96

- sign 4426.325+/-0.596 χ^2/NDF: 5804723.0/49



Right In: 3028.457+/-595.430 χ^2/NDF: 16.4/21

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2230.541+/-570.450 χ^2/NDF: 21.5/26

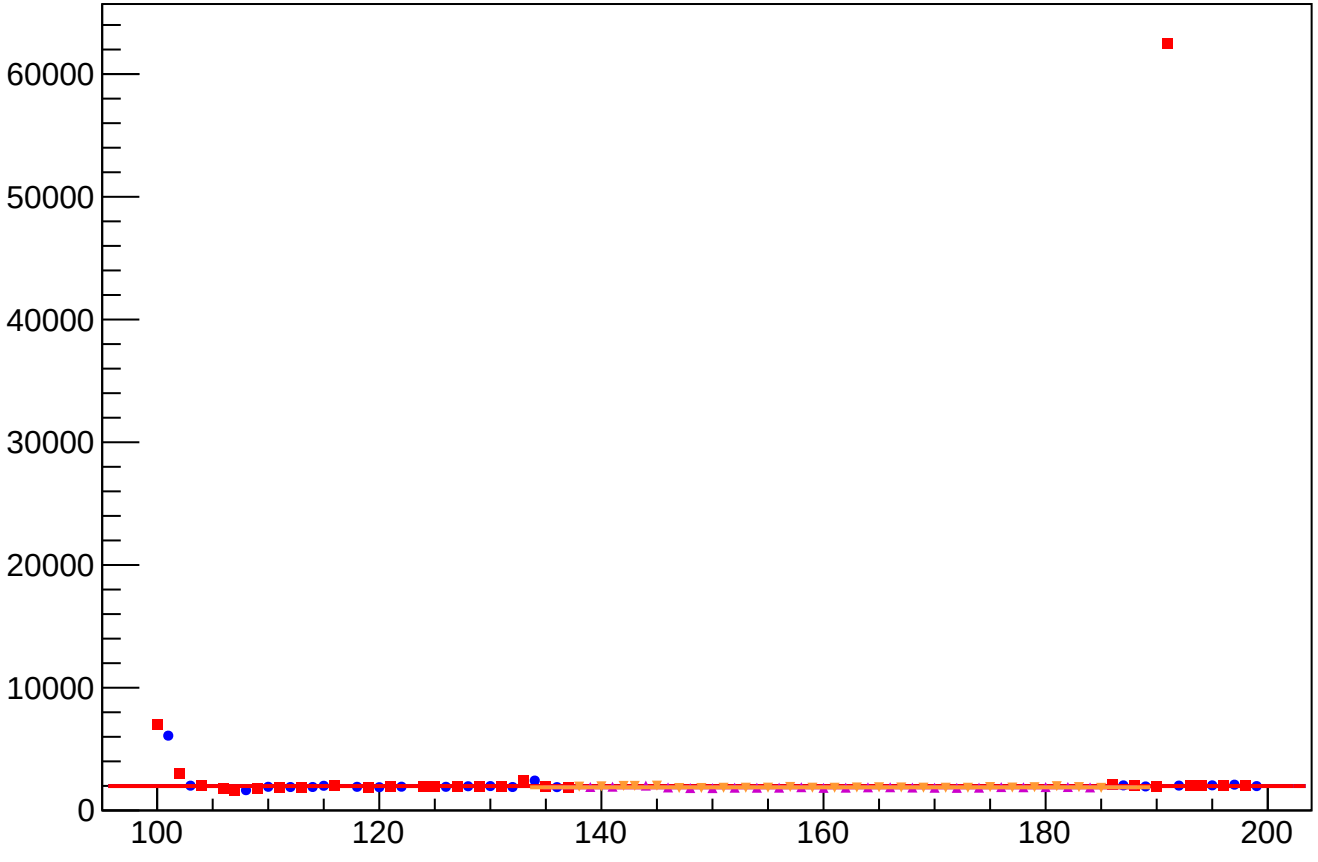
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2273.034+/-348.057 χ^2/NDF: 51.8/46

All: -157.263+/-246.101 χ^2/NDF: 196.8/96

- sign -2587.064+/-348.022 χ^2/NDF: 47.5/49

dit_asym_atr_avg_rms vs Slug



Right In: 1993.232+/-0.421 χ^2/NDF: 673215.0/21

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1987.290+/-0.403 χ^2/NDF: 417058.4/26

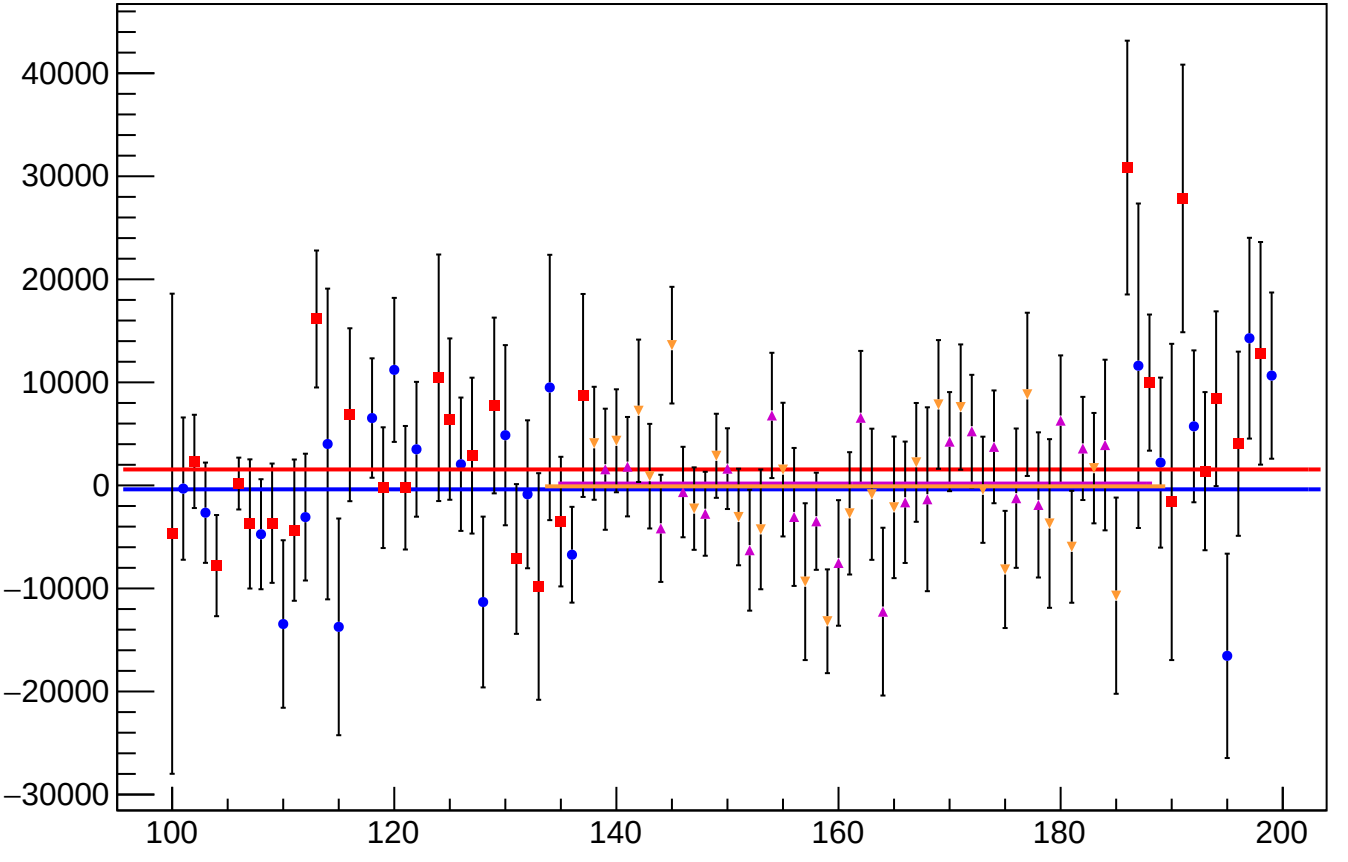
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1923.658+/-0.246 χ^2/NDF: 746650.6/46

All: 1921.989+/-0.174 χ^2/NDF: 1226808.5/96

- sign 1920.321+/-0.246 χ^2/NDF: 480066.0/49

asym_atr_avg_dit_correction_mean vs Slug



Right In: -382.432+/-1536.937 χ^2/NDF: 22.7/21

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1548.522+/-1260.446 χ^2/NDF: 30.1/26

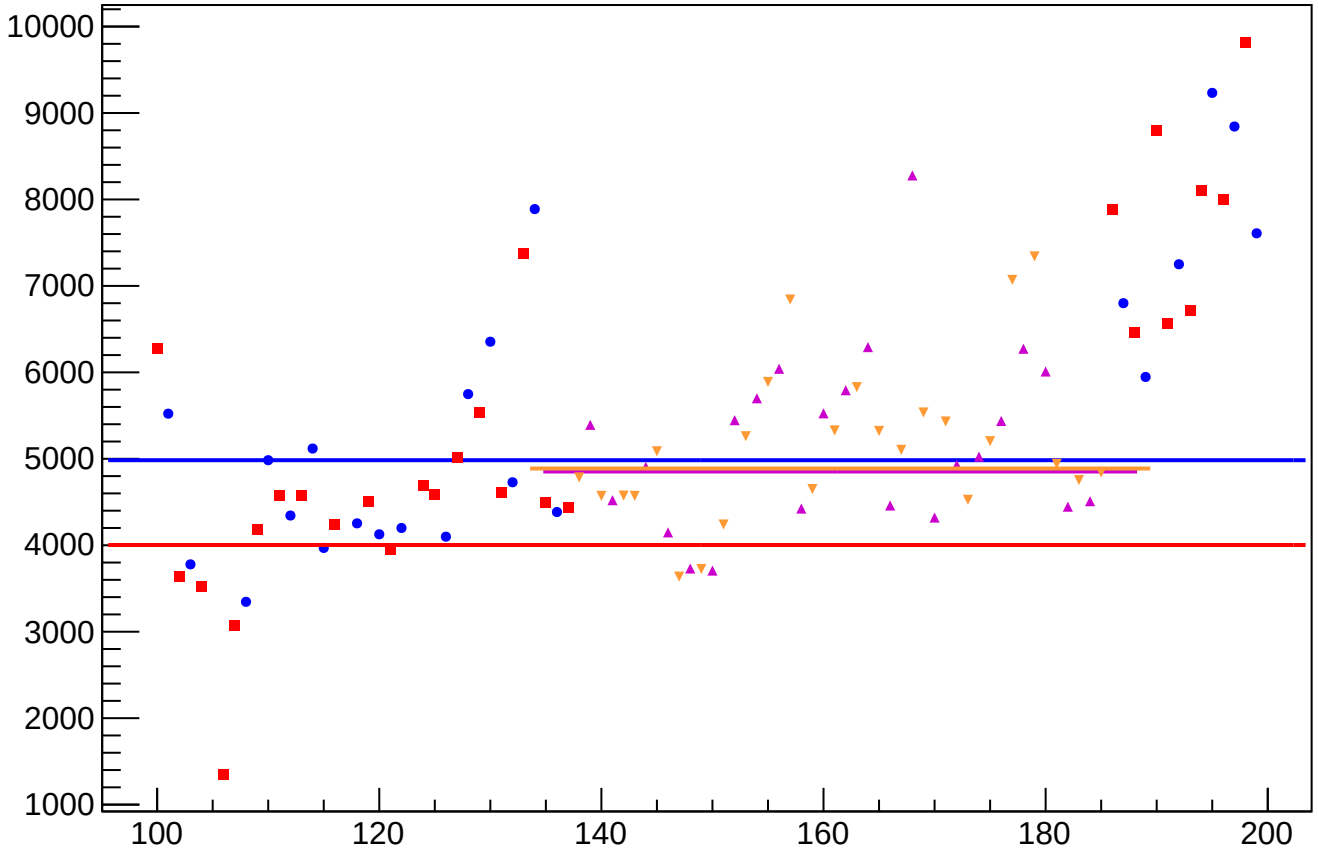
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -194.215+/-912.103 χ^2/NDF: 50.9/46

All: 338.717+/-622.610 χ^2/NDF: 95.8/96

- sign 803.701+/-851.975 χ^2/NDF: 44.3/49

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4983.945+/-1.087 χ^2/NDF: 1831019.3/21

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4003.176+/-0.891 χ^2/NDF: 5154798.6/26

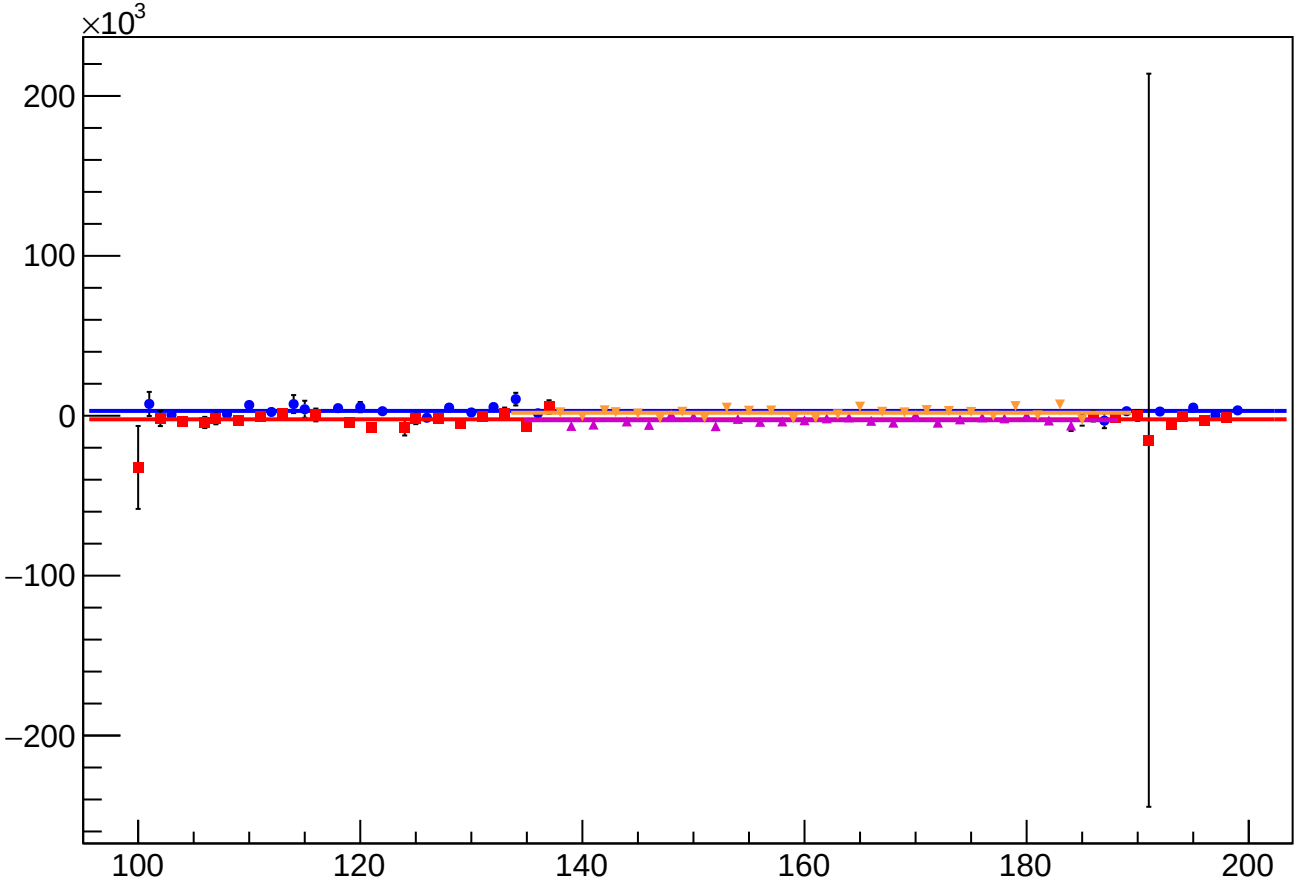
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4921.676+/-0.645 χ^2/NDF: 2899385.6/46

All: 4677.751+/-0.440 χ^2/NDF: 9994862.7/96

- sign 4464.926+/-0.602 χ^2/NDF: 6827636.6/49

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 3028.460+/-595.430 χ^2/NDF: 16.4/21

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2230.542+/-570.450 χ^2/NDF: 21.5/26

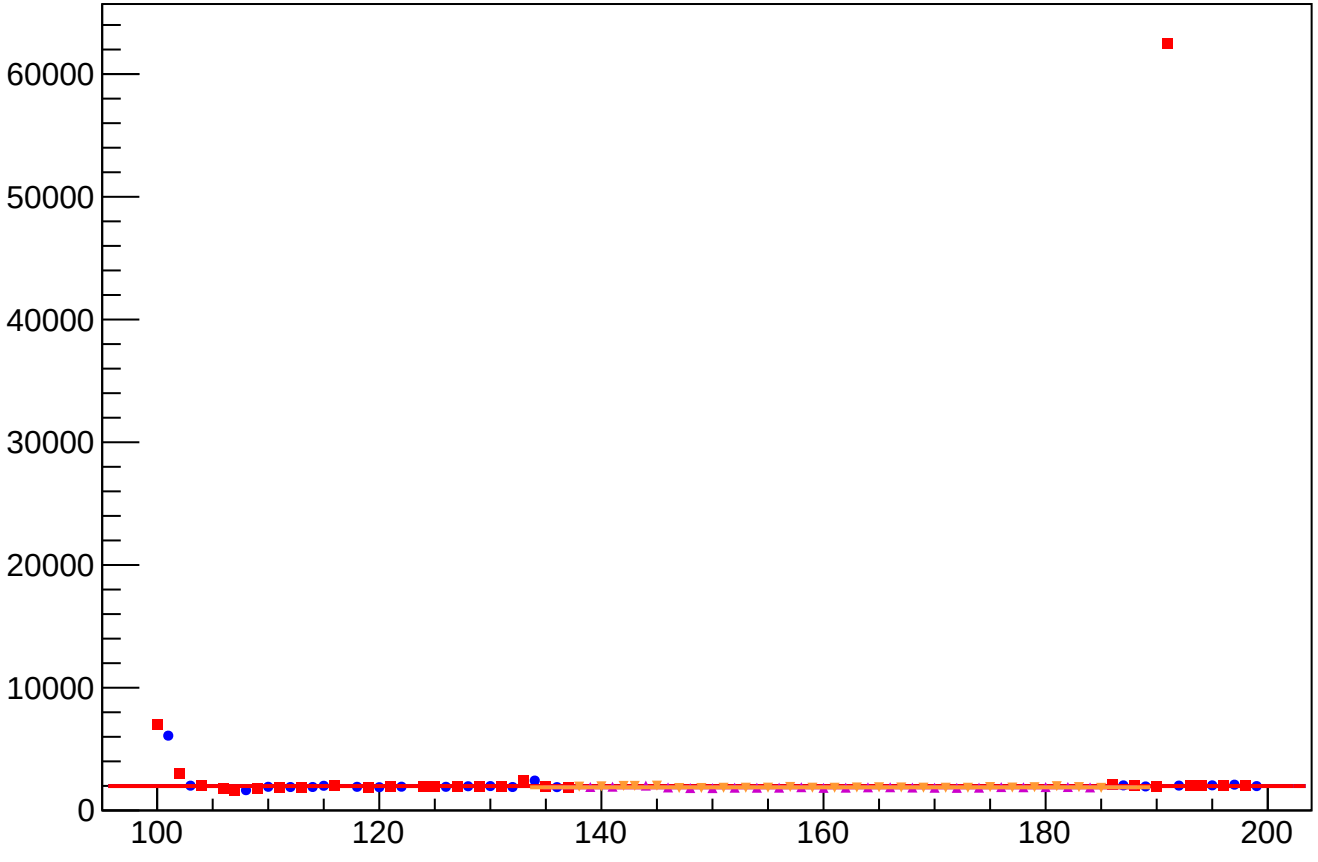
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2273.031+/-348.057 χ^2/NDF: 51.8/46

All: -157.264+/-246.101 χ^2/NDF: 196.8/96

- sign -2587.064+/-348.022 χ^2/NDF: 47.5/49

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1993.232+/-0.421 χ^2/NDF: 673215.1/21

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

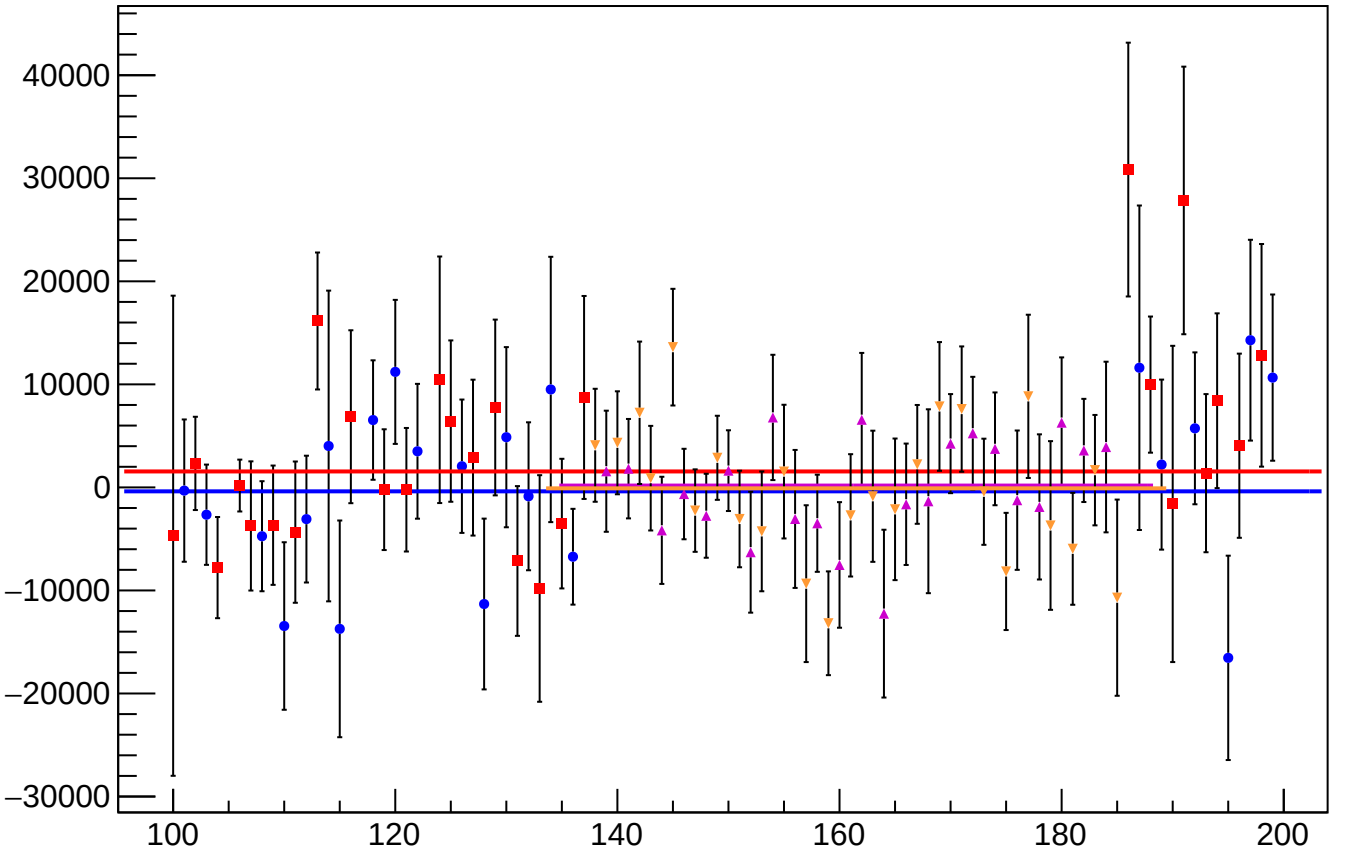
Right Out: 1987.290+/-0.403 χ^2/NDF: 417058.0/26

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1923.658+/-0.246 χ^2/NDF: 746649.9/46

All: 1921.989+/-0.174 χ^2/NDF: 1226806.7/96

- sign 1920.321+/-0.246 χ^2/NDF: 480064.8/49



Right In: -382.420+/-1536.935 χ^2/NDF: 22.7/21

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1548.518+/-1260.444 χ^2/NDF: 30.1/26

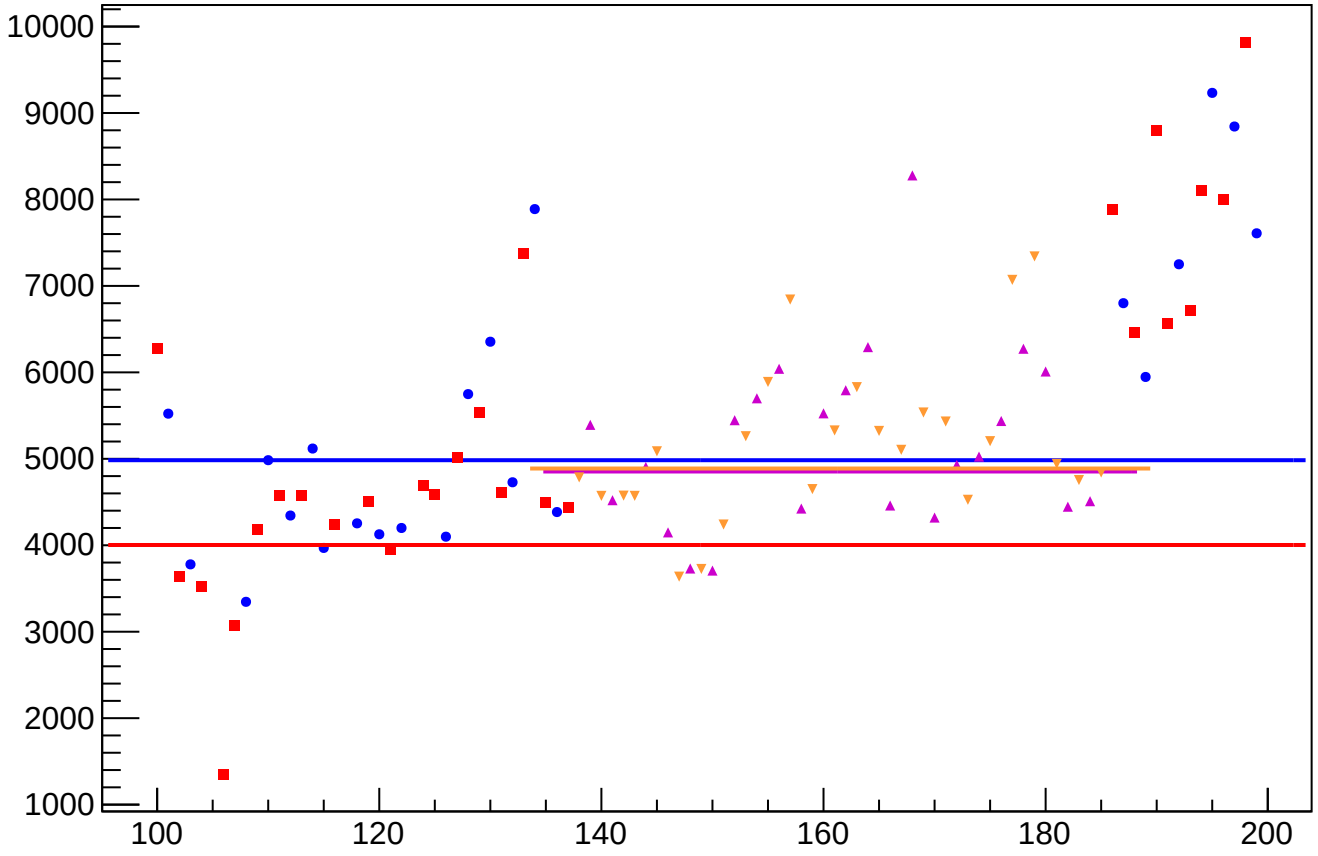
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -194.213+/-912.103 χ^2/NDF: 50.9/46

All: 338.718+/-622.610 χ^2/NDF: 95.8/96

- sign 803.702+/-851.975 χ^2/NDF: 44.3/49

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4983.938+/-1.087 χ^2/NDF: 1831028.5/21

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4003.167+/-0.891 χ^2/NDF: 5154817.9/26

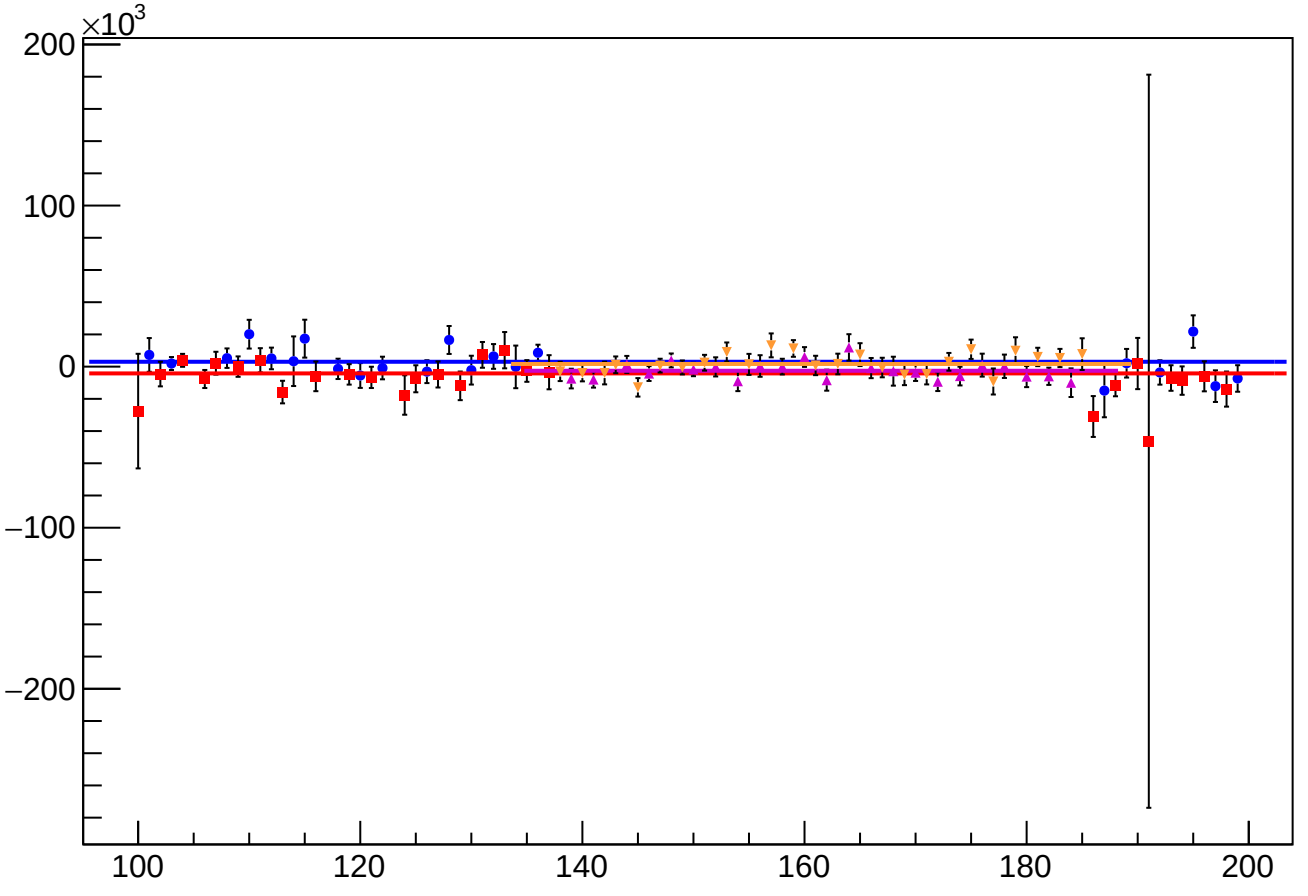
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4921.679+/-0.645 χ^2/NDF: 2899394.8/46

All: 4677.752+/-0.440 χ^2/NDF: 9994917.9/96

- sign 4464.925+/-0.602 χ^2/NDF: 6827677.8/49

asym_atr_avg_mean vs Slug



Right In: 3023.522+/-1614.523 χ^2/NDF: 22.0/21

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4203.321+/-1511.552 χ^2/NDF: 23.1/26

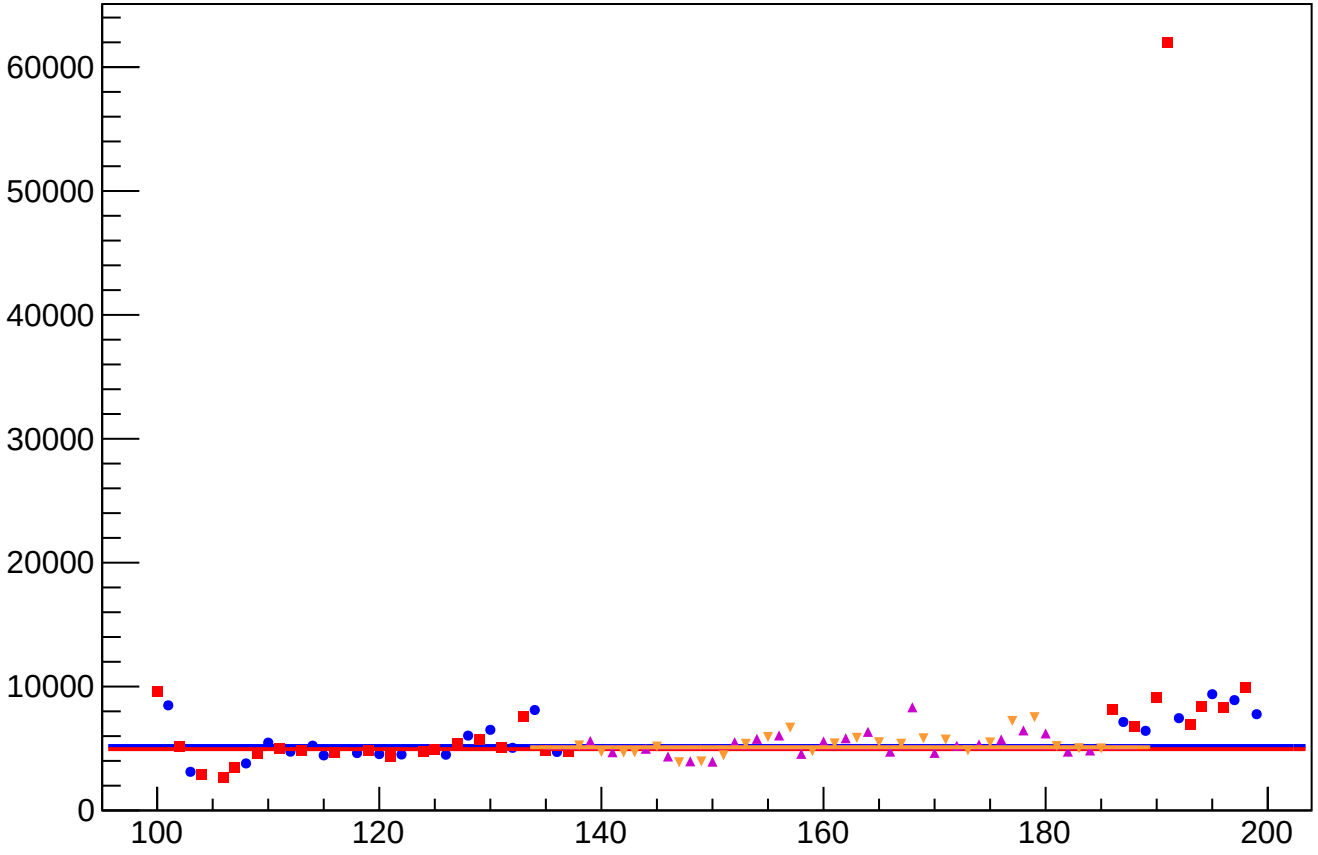
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2130.531+/-951.968 χ^2/NDF: 48.5/46

All: -563.068+/-669.581 χ^2/NDF: 104.1/96

- sign -3200.398+/-941.972 χ^2/NDF: 39.8/49

asym_atr_avg_rms vs Slug



Right In: 5199.809+/-1.142 χ^2/NDF: 2171593.6/21

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4950.316+/-1.061 χ^2/NDF: 2861175.0/26

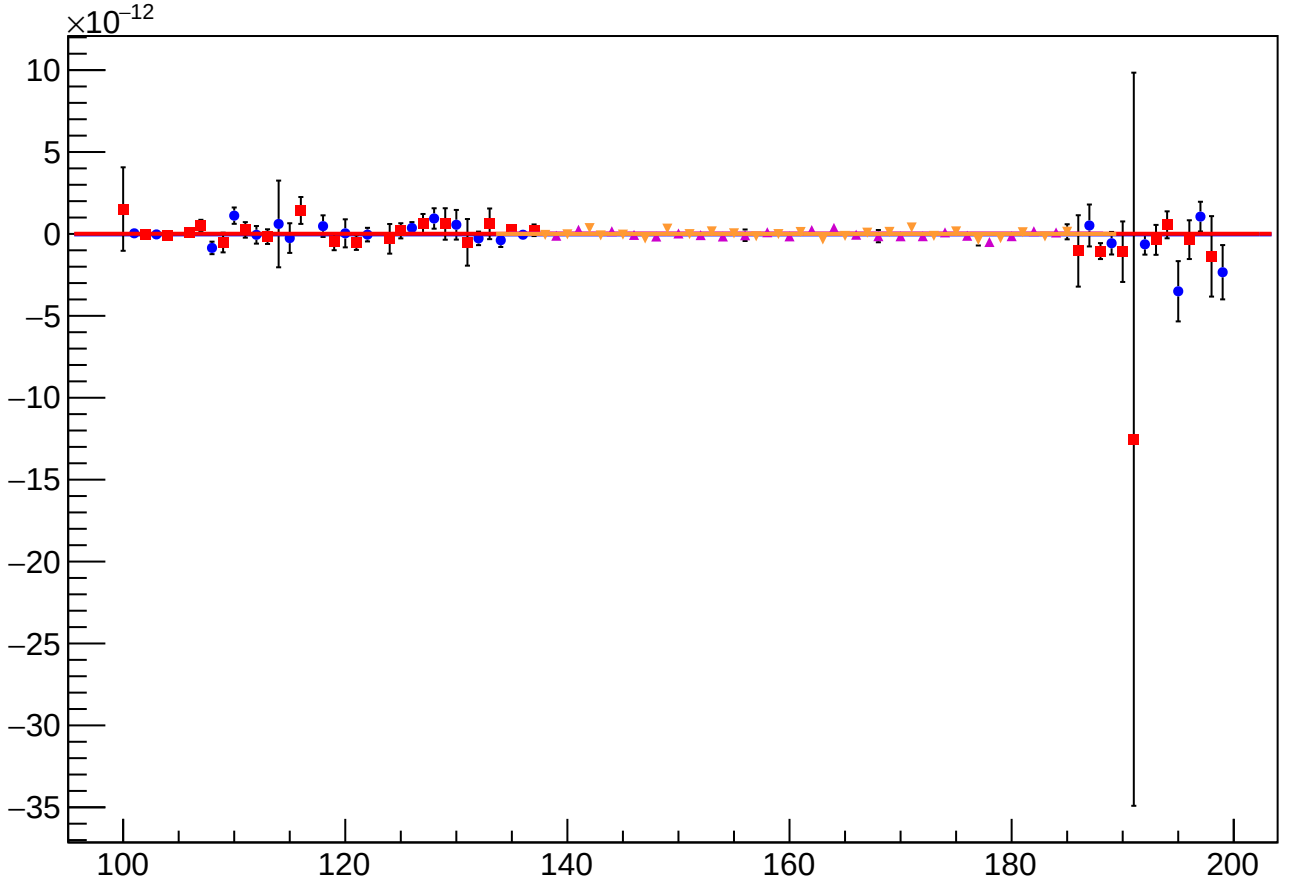
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5135.118+/-0.673 χ^2/NDF: 3085846.3/46

All: 5079.461+/-0.473 χ^2/NDF: 6960630.3/96

- 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: 24.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/26

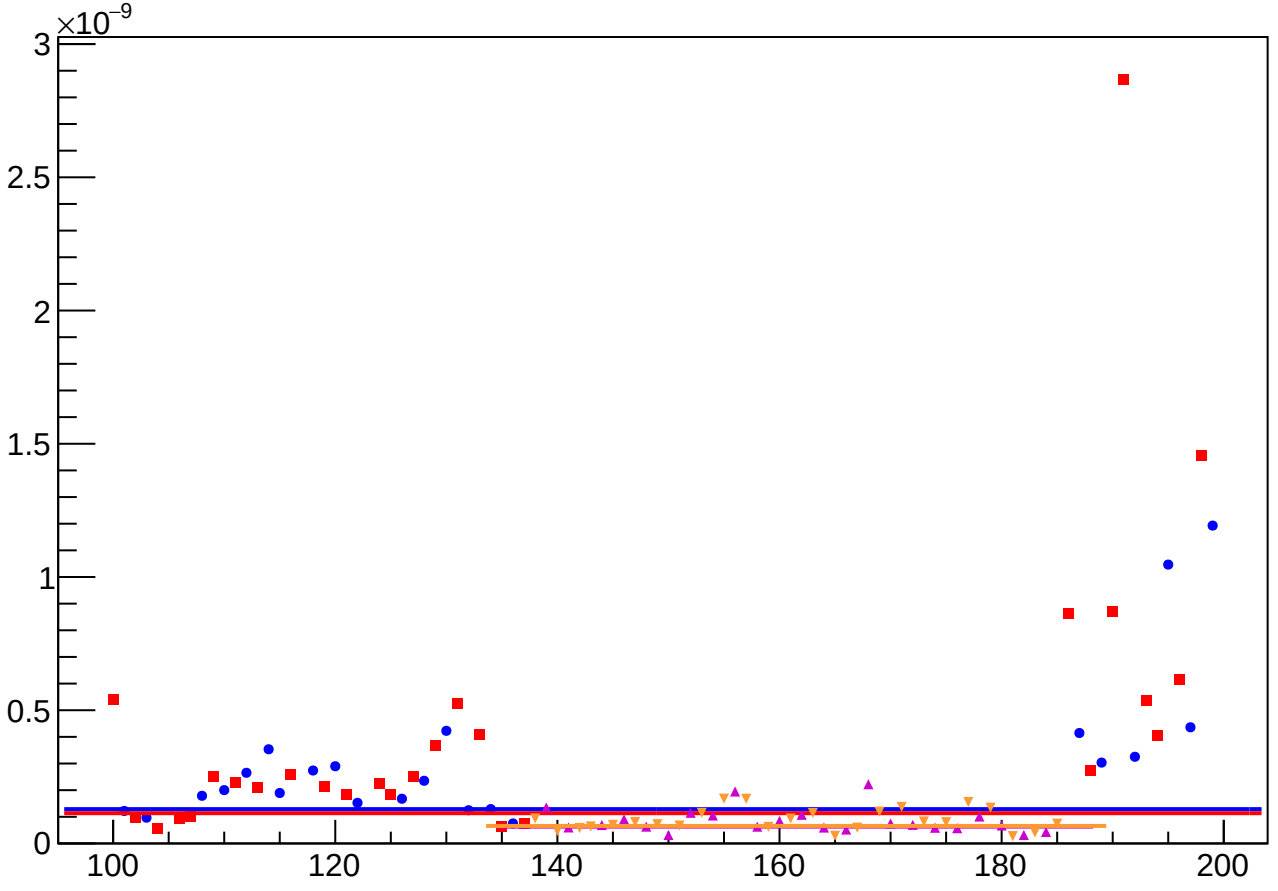
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.0/46

All: 0.000+/-0.000 χ^2/NDF: 112.5/96

- sign 0.000+/-0.000 χ^2/NDF: 54.2/49

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3122472.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4369465.2/26

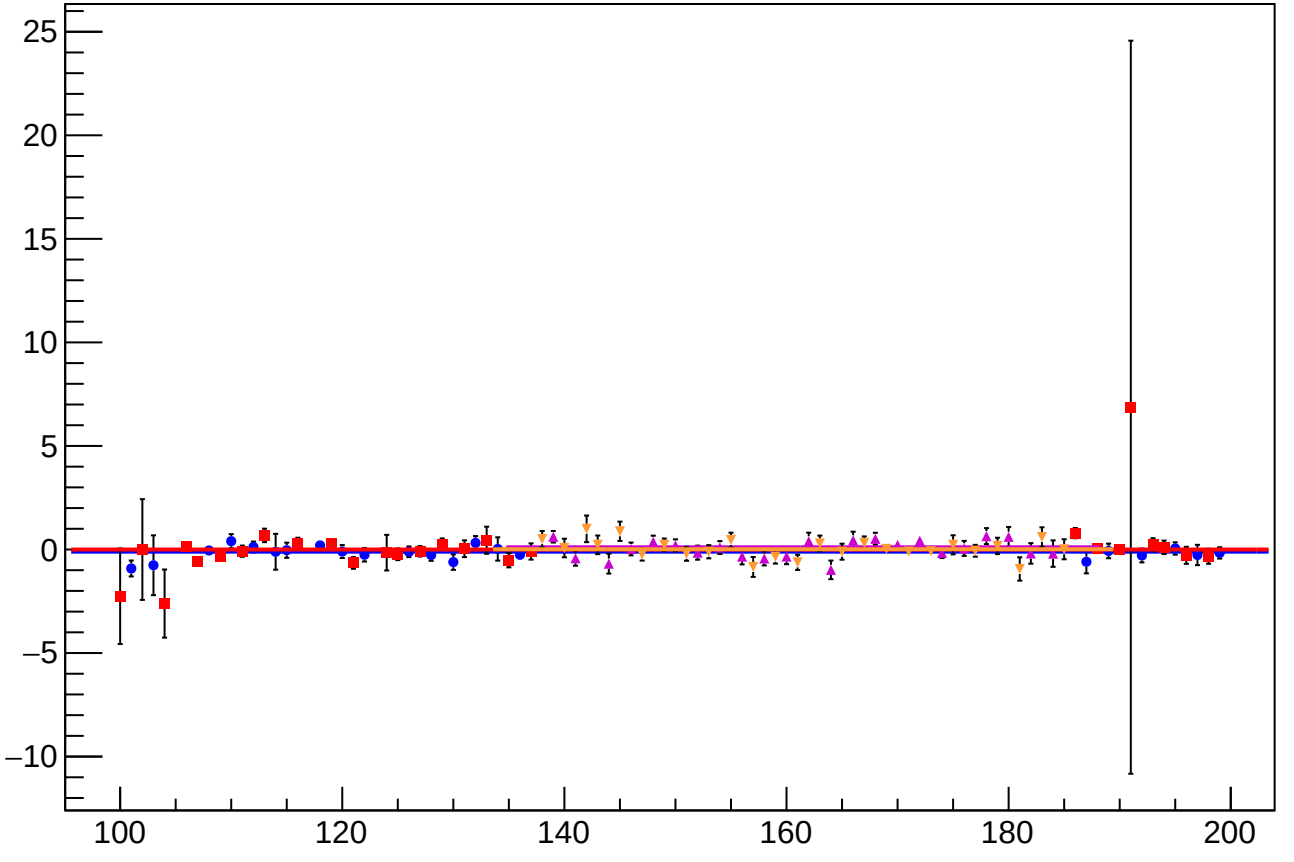
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6873347.8/46

All: 0.000+/-0.000 χ^2/NDF: 14332239.6/96

- sign 0.000+/-0.000 χ^2/NDF: 7438455.7/49

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.002+/-0.055 χ^2/NDF: 42.0/26

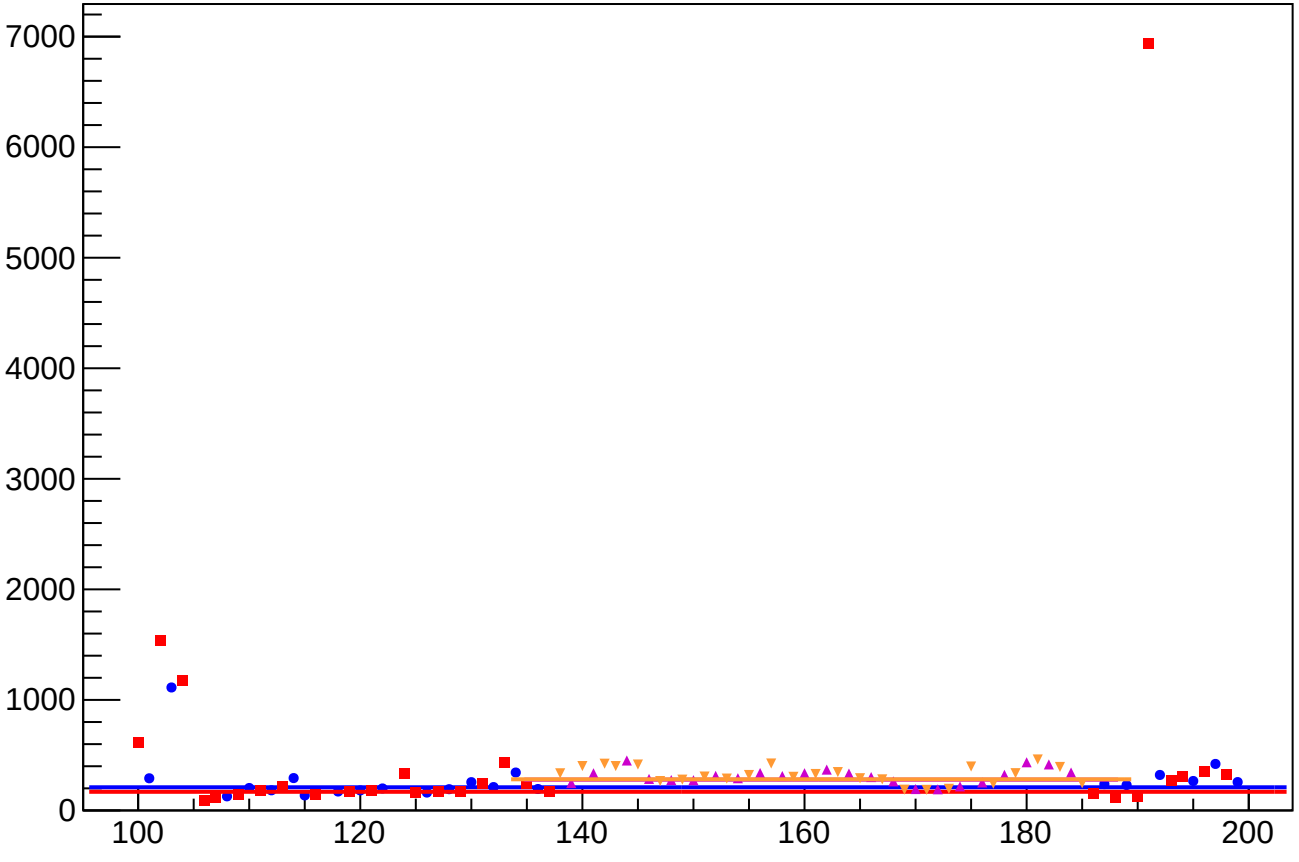
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.047+/-0.048 χ^2/NDF: 42.0/46

All: 0.002+/-0.032 χ^2/NDF: 118.8/96

- sign 0.040+/-0.043 χ^2/NDF: 75.0/49

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.7/21

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 168.745+/-0.039 χ^2/NDF: 4639379.3/26

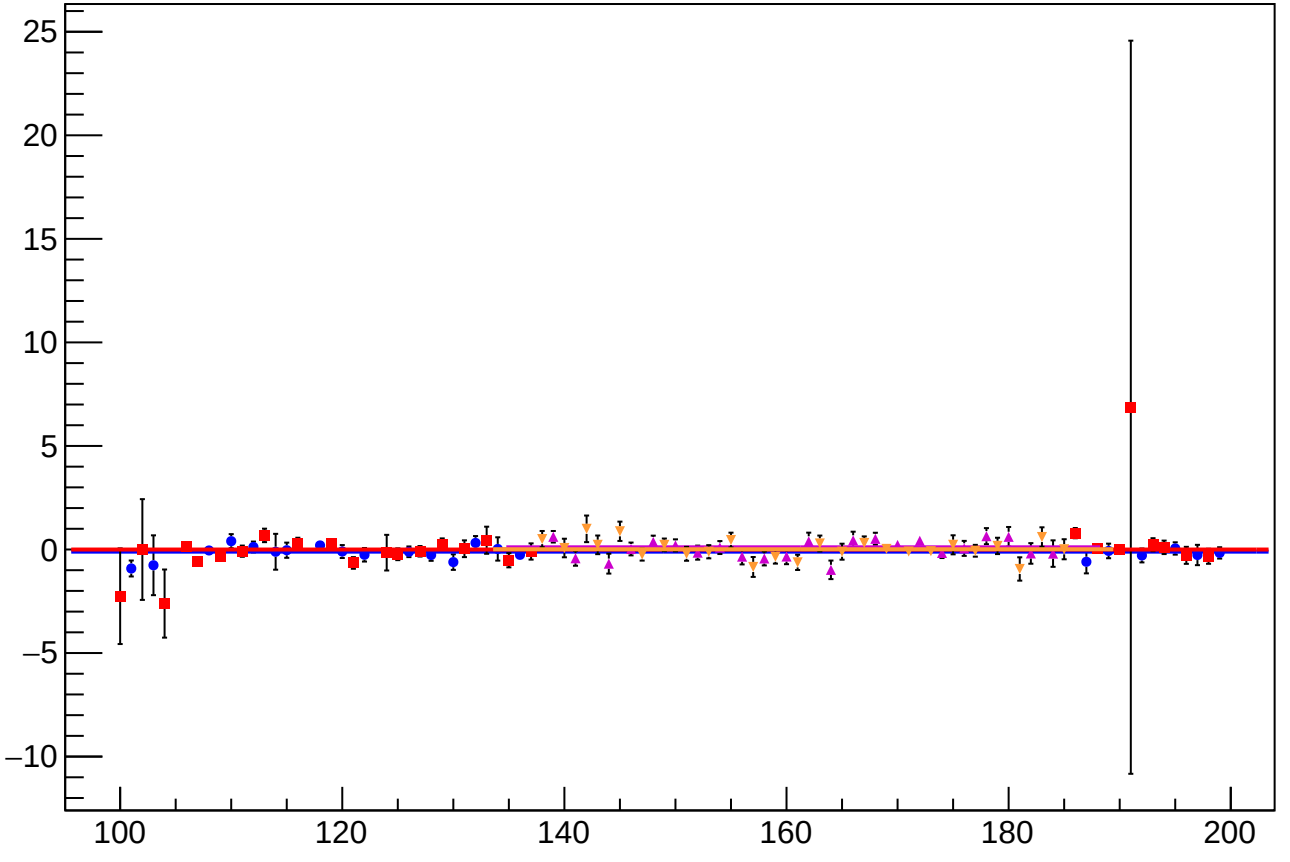
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 245.498+/-0.034 χ^2/NDF: 5990401.2/46

All: 226.882+/-0.023 χ^2/NDF: 16072993.5/96

- sign 211.902+/-0.030 χ^2/NDF: 9539022.1/49

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.002+/-0.055 χ^2/NDF: 42.0/26

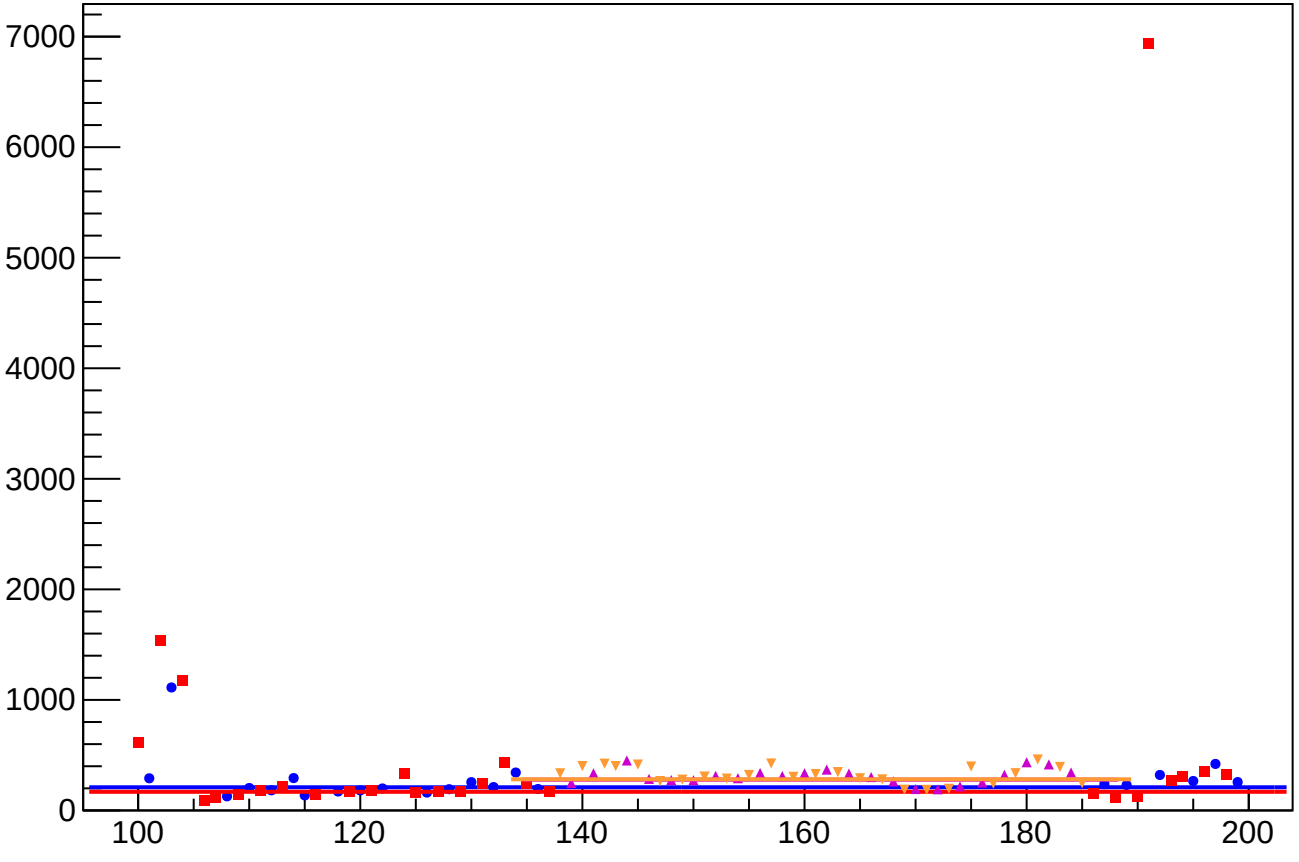
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.047+/-0.048 χ^2/NDF: 42.0/46

All: 0.002+/-0.032 χ^2/NDF: 118.8/96

- sign 0.040+/-0.043 χ^2/NDF: 75.0/49

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.7/21

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 168.745+/-0.039 χ^2/NDF: 4639379.3/26

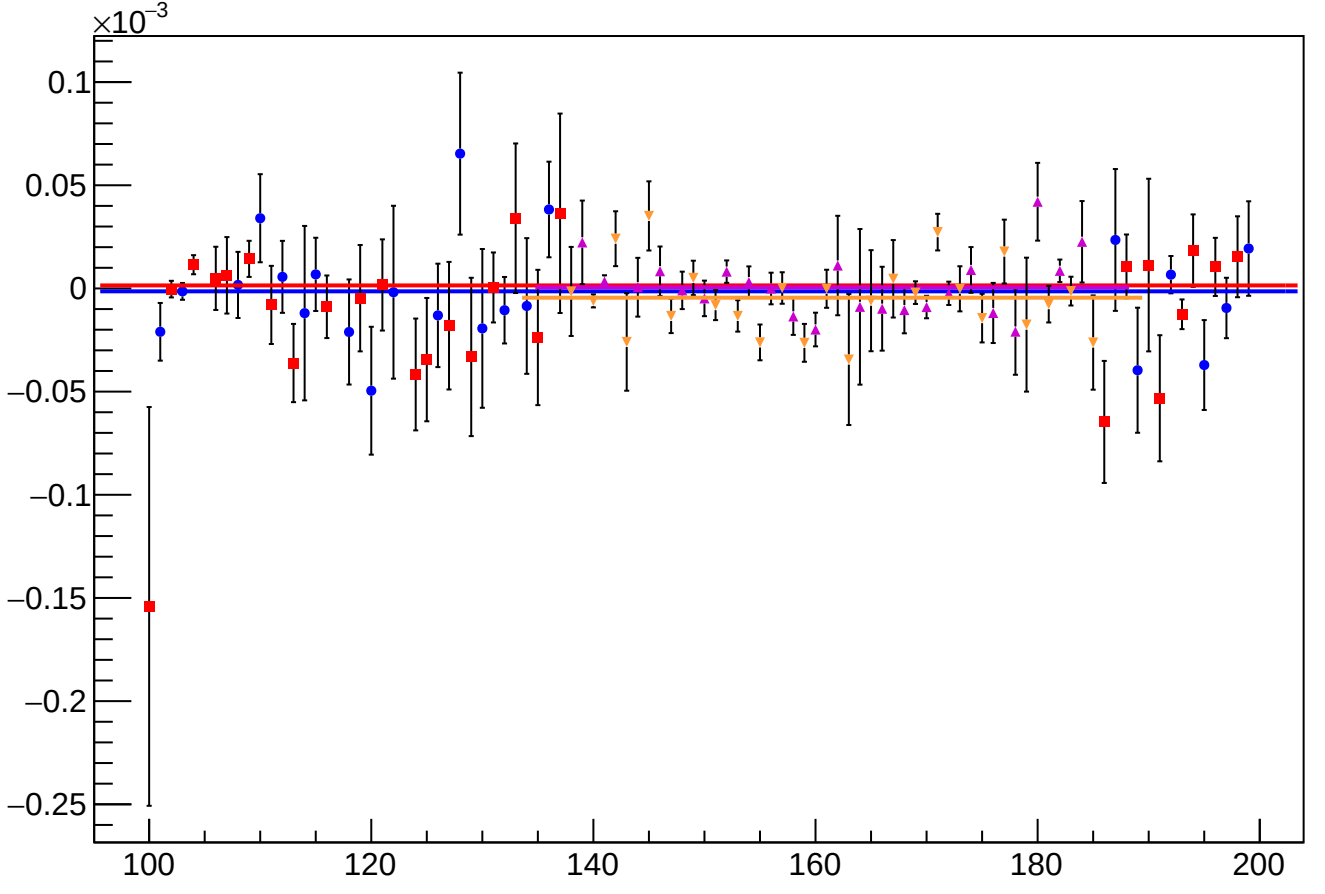
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 245.498+/-0.034 χ^2/NDF: 5990401.2/46

All: 226.882+/-0.023 χ^2/NDF: 16072993.5/96

- sign 211.902+/-0.030 χ^2/NDF: 9539022.1/49

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/26

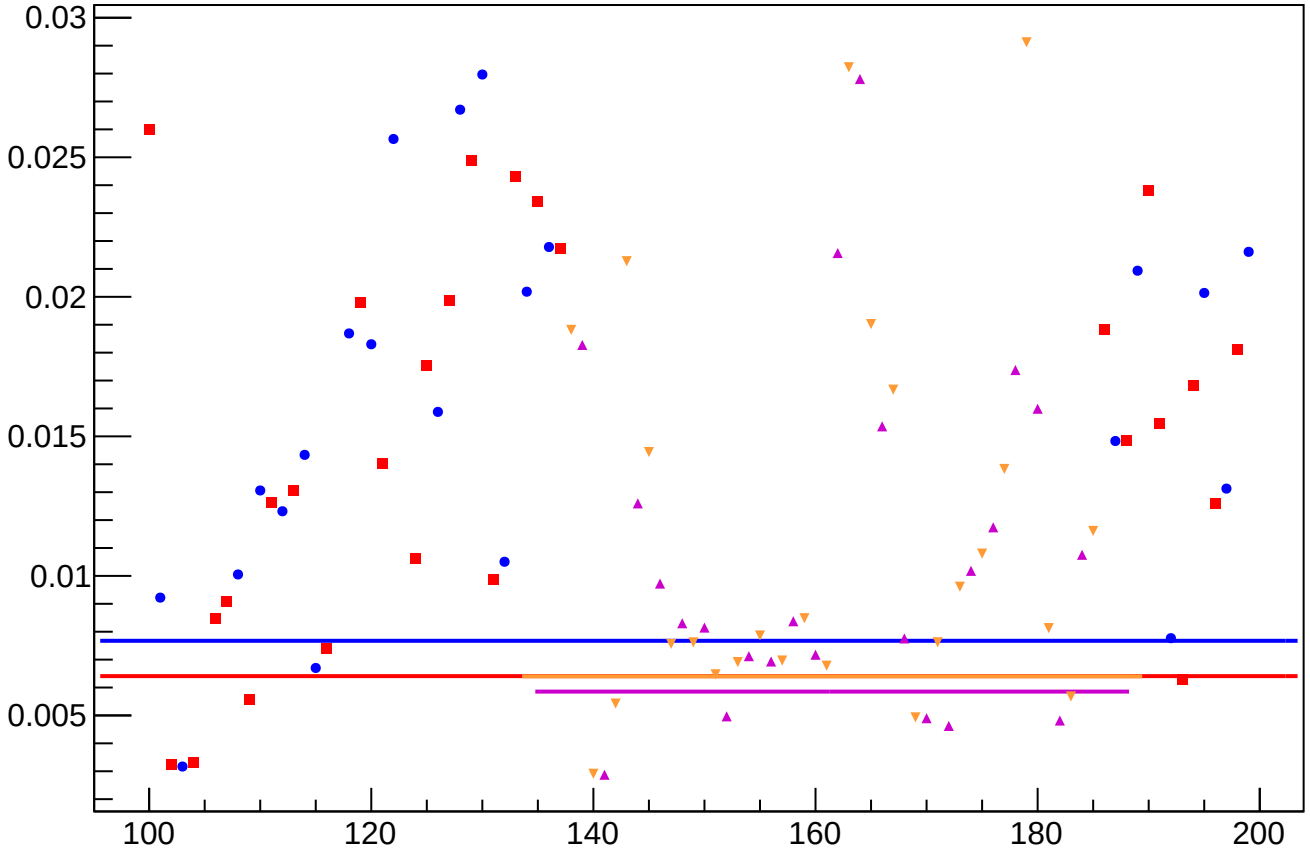
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.8/46

All: -0.000+/-0.000 χ^2/NDF: 139.1/96

- sign 0.000+/-0.000 χ^2/NDF: 65.0/49

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8291005.0/21

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9311048.5/26

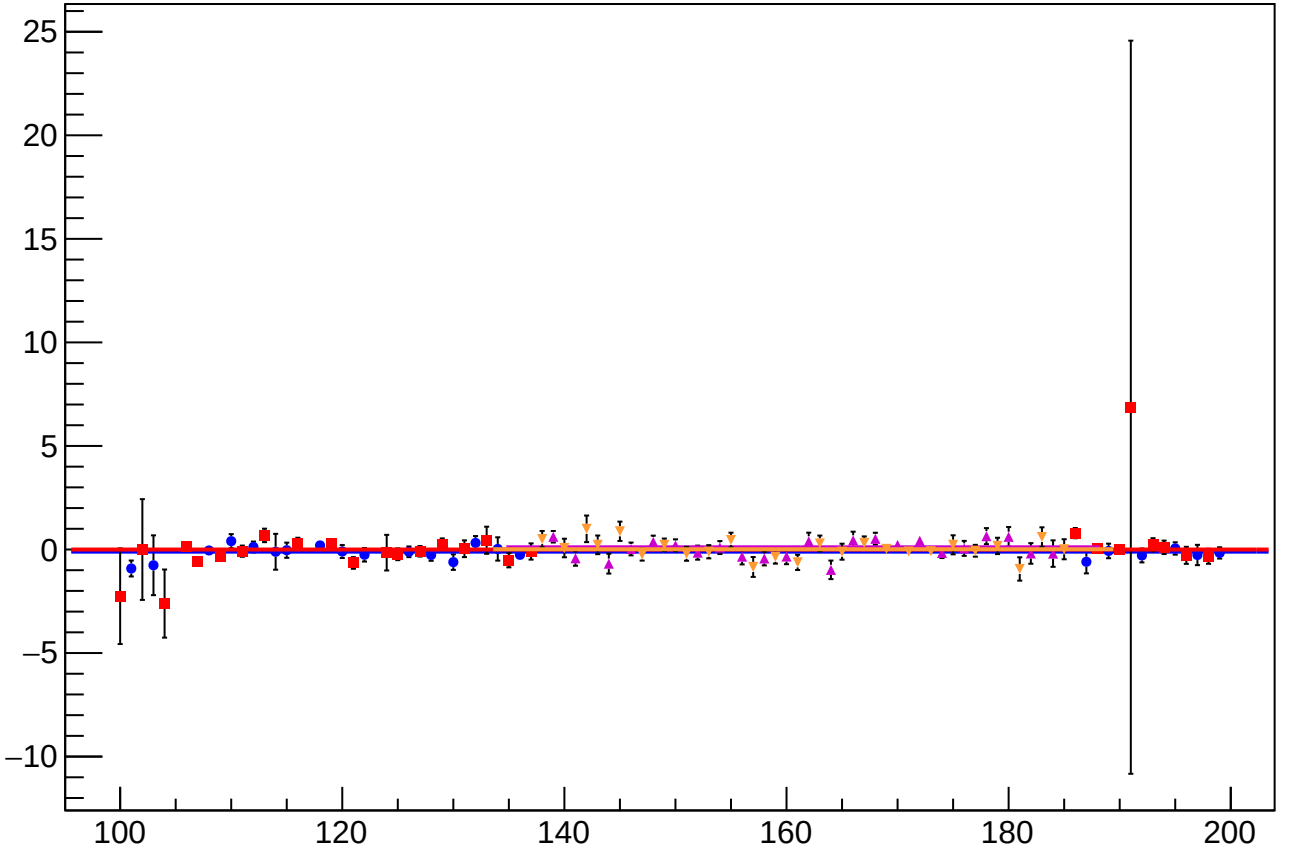
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 17532398.2/46

All: 0.006+/-0.000 χ^2/NDF: 35297539.8/96

- sign 0.006+/-0.000 χ^2/NDF: 17532615.1/49

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.002+/-0.055 χ^2/NDF: 42.0/26

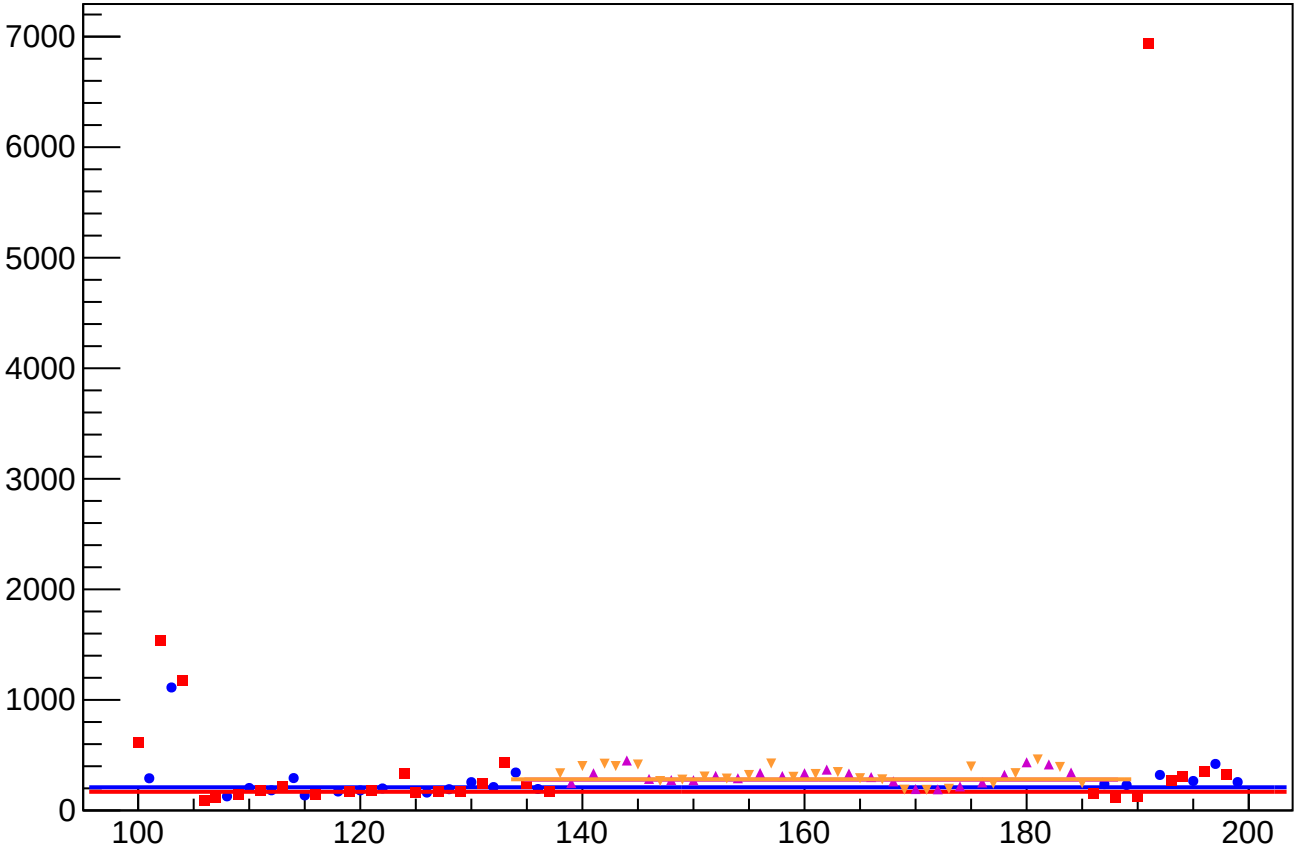
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.047+/-0.048 χ^2/NDF: 42.0/46

All: 0.002+/-0.032 χ^2/NDF: 118.8/96

- sign 0.040+/-0.043 χ^2/NDF: 75.0/49

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.6/21

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 168.742+/-0.039 χ^2/NDF: 4639484.7/26

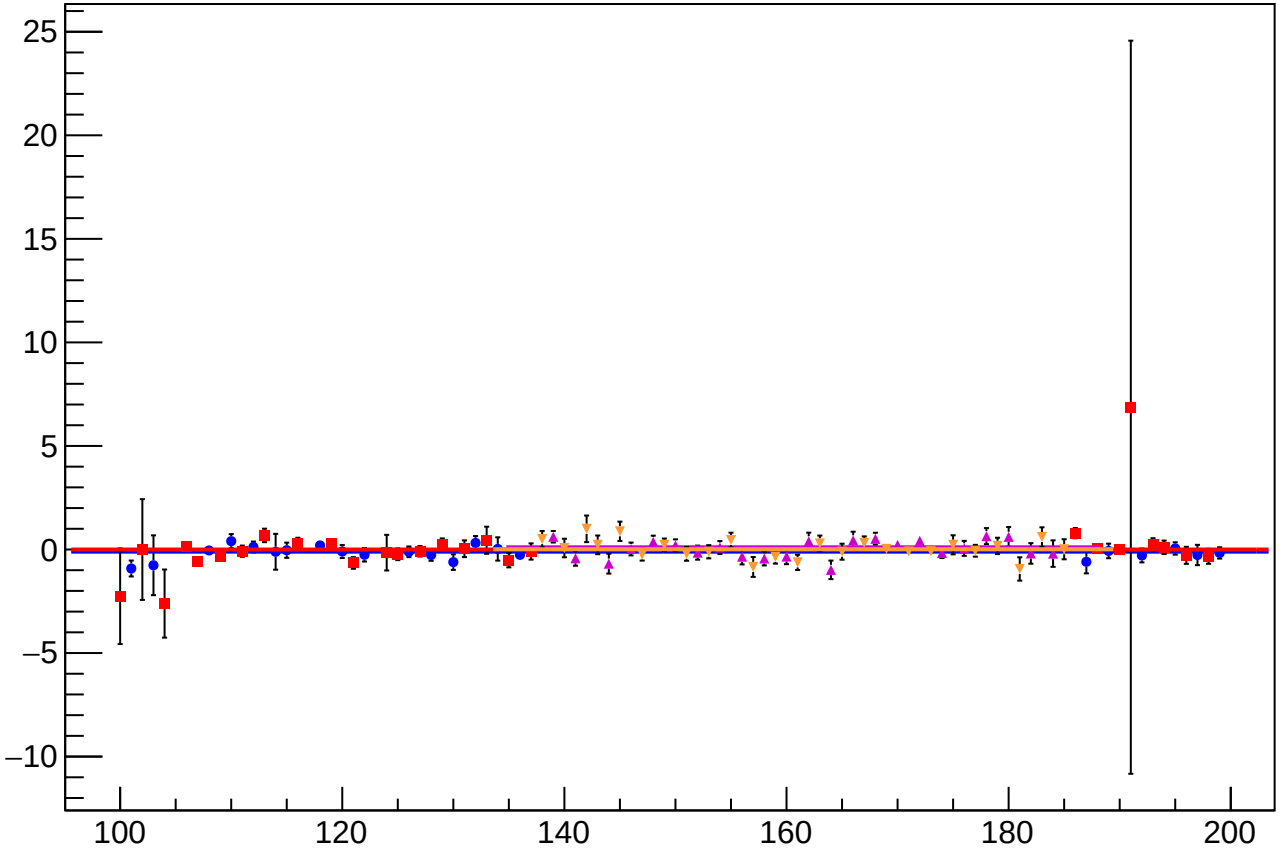
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 245.499+/-0.034 χ^2/NDF: 5990546.5/46

All: 226.881+/-0.023 χ^2/NDF: 16073709.2/96

- 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: -0.104+/-0.068 χ^2/NDF: 15.4/21

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.002+/-0.055 χ^2/NDF: 42.0/26

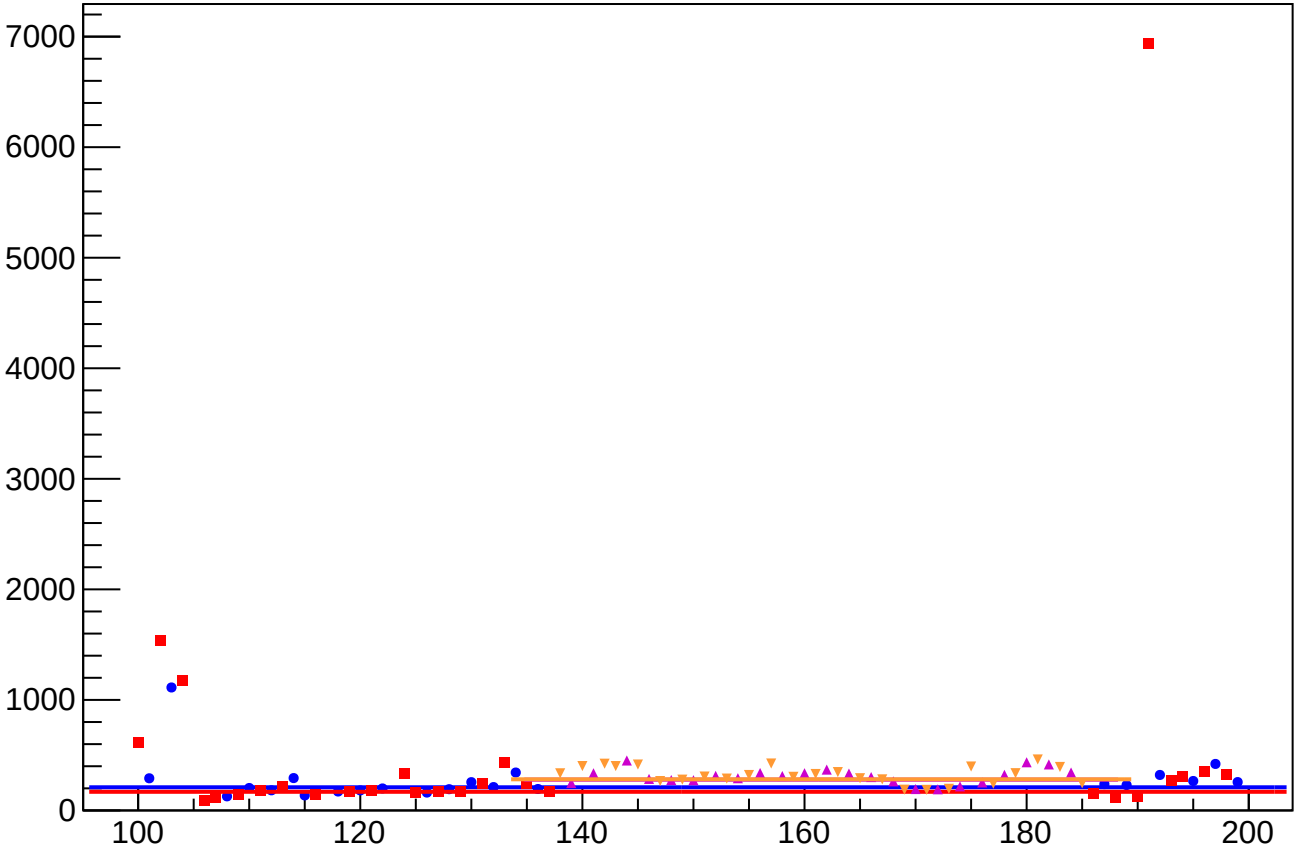
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.047+/-0.048 χ^2/NDF: 42.0/46

All: 0.002+/-0.032 χ^2/NDF: 118.8/96

- 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: 209.616+/-0.048 χ^2/NDF: 2336895.6/21

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 168.742+/-0.039 χ^2/NDF: 4639484.7/26

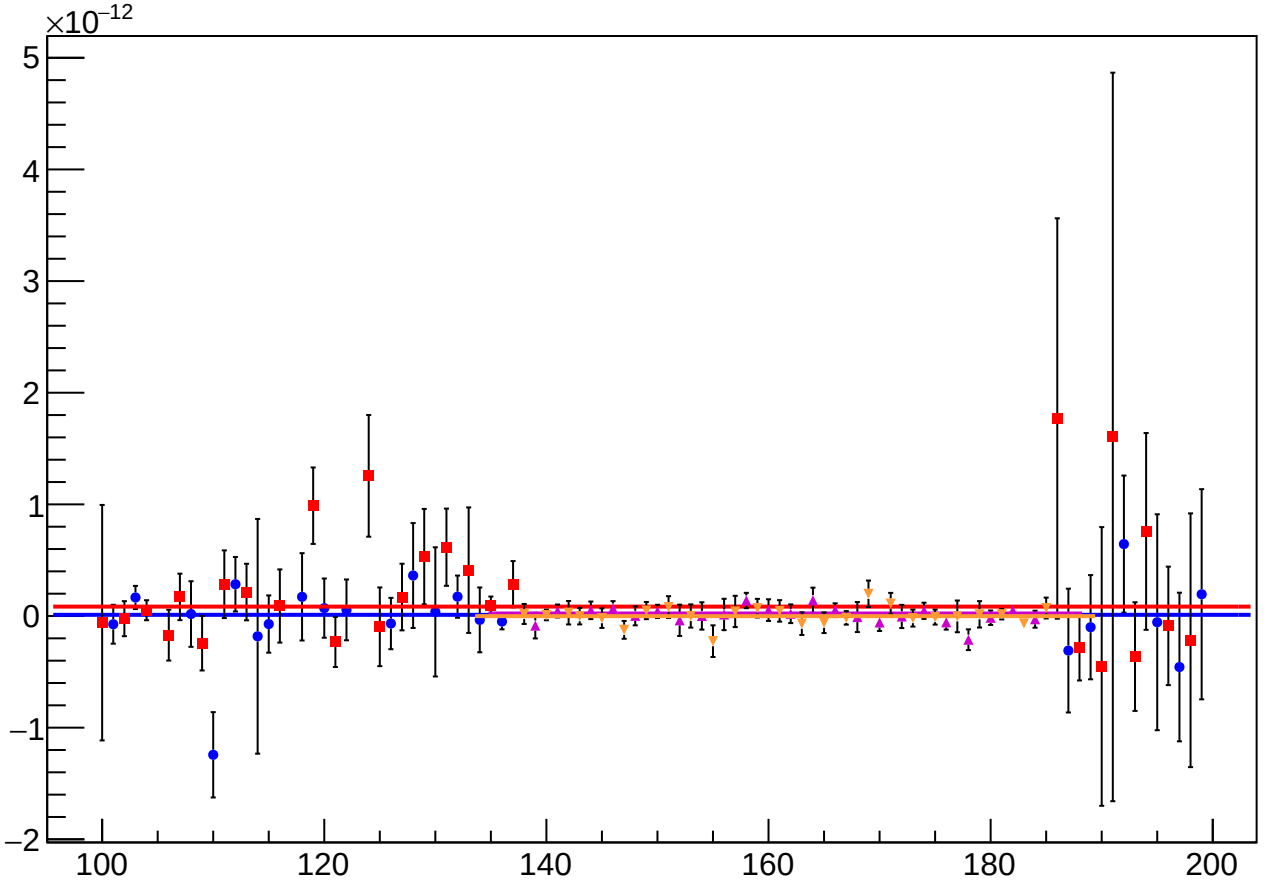
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 245.499+/-0.034 χ^2/NDF: 5990546.5/46

All: 226.881+/-0.023 χ^2/NDF: 16073709.2/96

- sign 211.899+/-0.030 χ^2/NDF: 9539494.7/49

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/26

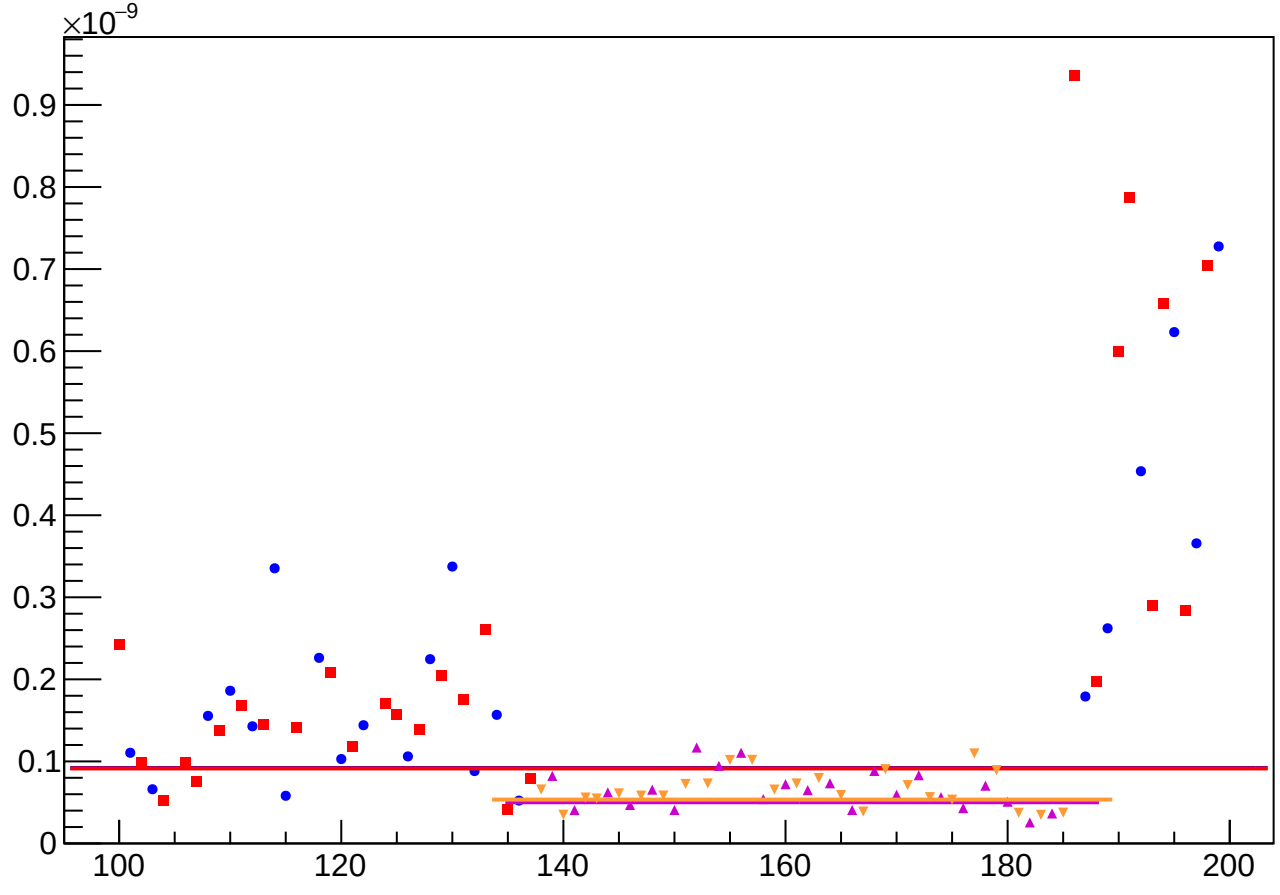
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.5/46

All: 0.000+/-0.000 χ^2/NDF: 82.8/96

- 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: 5037522.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5489603.3/26

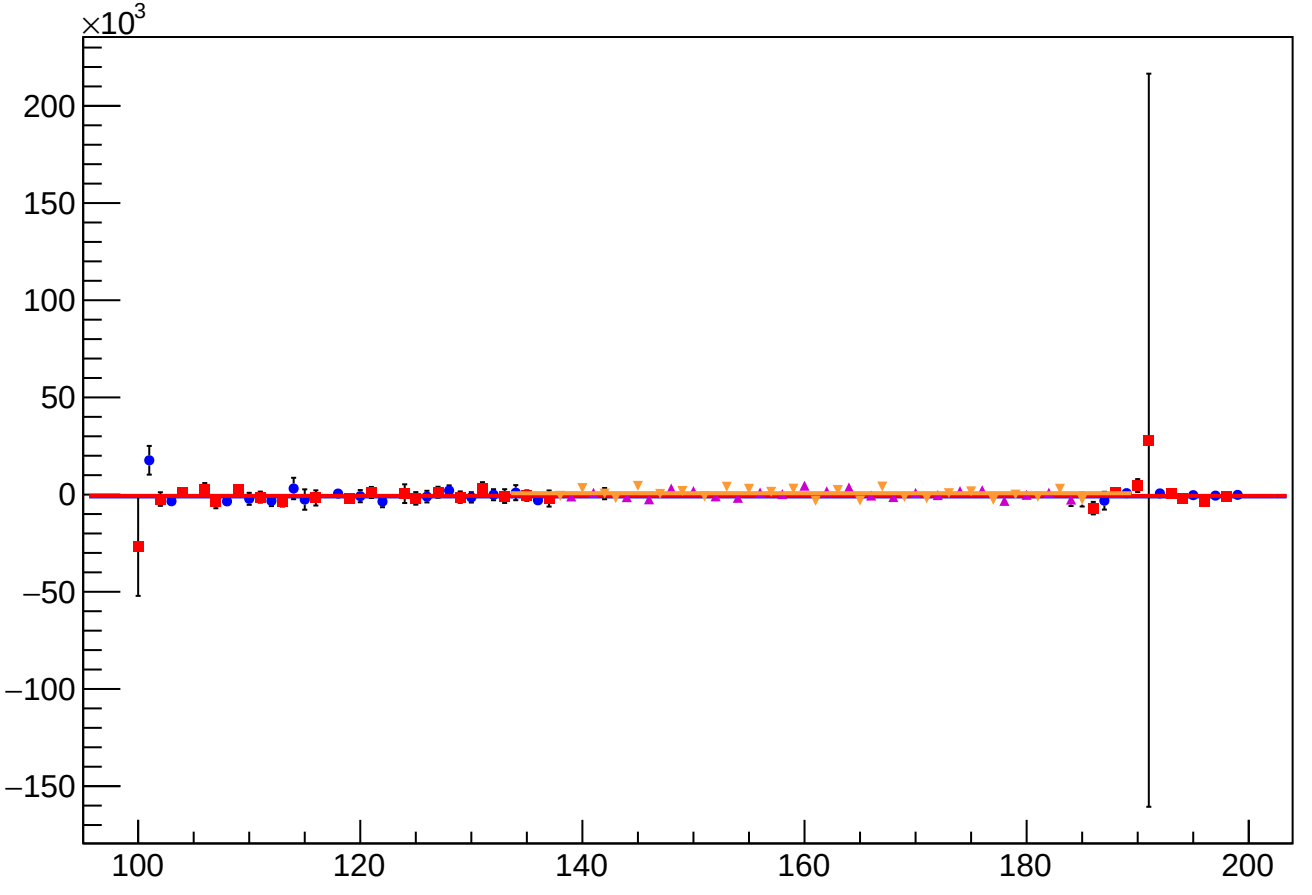
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9128634.3/46

All: 0.000+/-0.000 χ^2/NDF: 19605676.8/96

- sign 0.000+/-0.000 χ^2/NDF: 10438115.1/49

reg_asym_atr_dd_mean vs Slug



Right In: -944.320+/-574.536 χ^2/NDF: 15.5/21

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -650.516+/-549.645 χ^2/NDF: 19.6/26

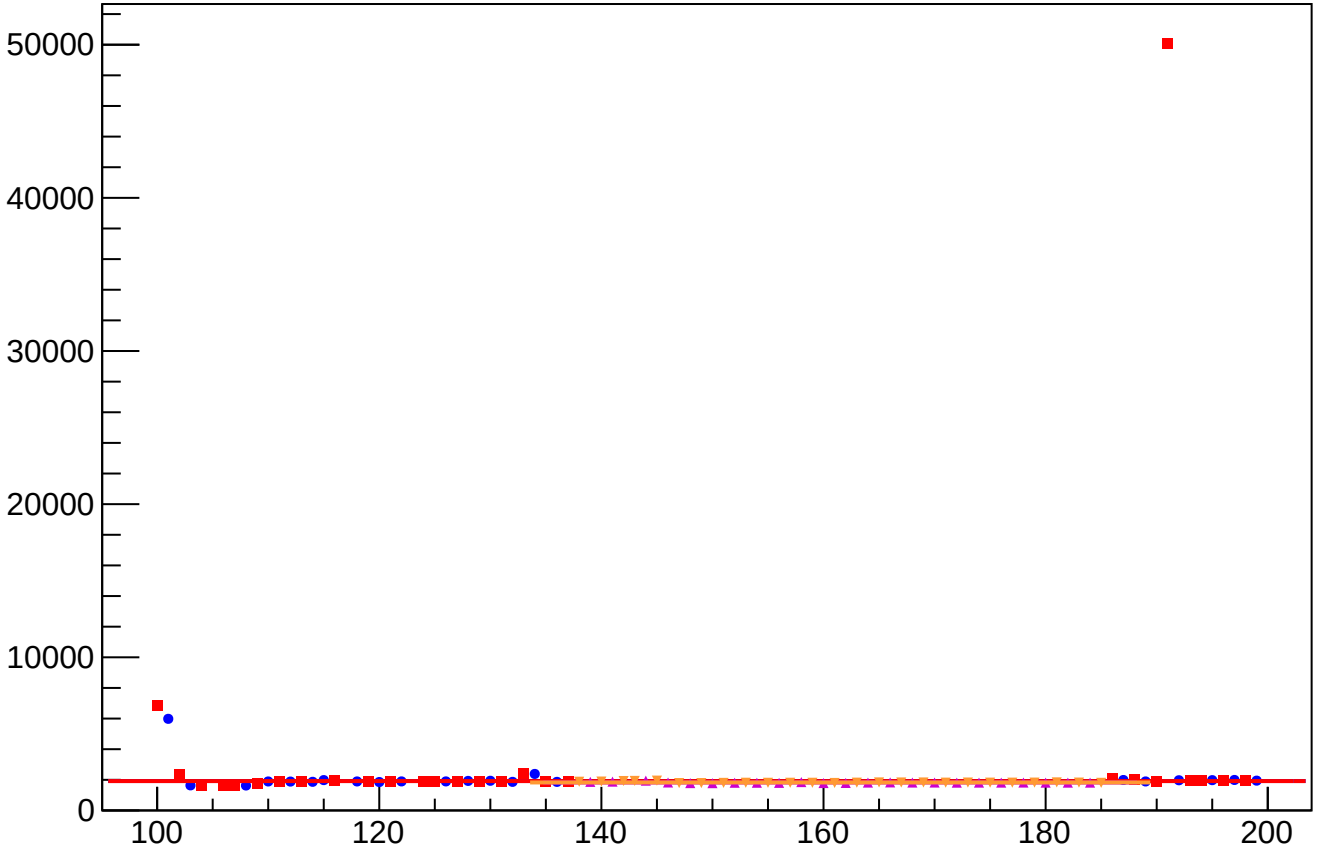
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 139.313+/-336.620 χ^2/NDF: 52.9/46

All: 73.438+/-238.095 χ^2/NDF: 95.6/96

- sign 7.486+/-336.815 χ^2/NDF: 42.7/49

reg_asym_atr_dd_rms vs Slug



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.0/21

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

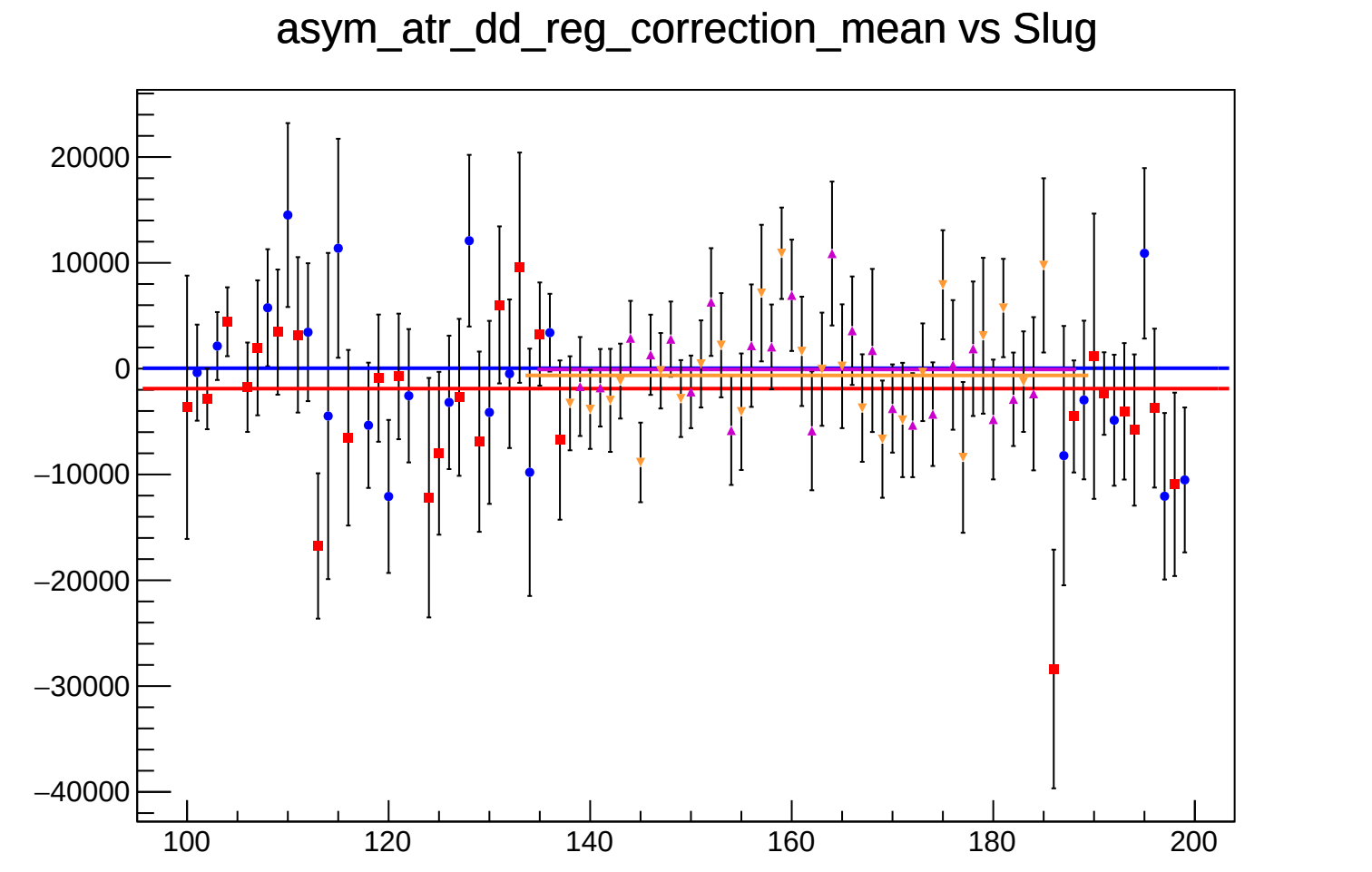
Right Out: 1917.842+/-0.388 χ^2/NDF: 373299.4/26

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1860.508+/-0.238 χ^2/NDF: 759786.4/46

All: 1860.282+/-0.168 χ^2/NDF: 1182048.9/96

- sign 1860.056+/-0.238 χ^2/NDF: 422260.7/49



Right In: 40.762+/-1335.814 χ^2/NDF: 21.7/21

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1887.670+/-1136.137 χ^2/NDF: 23.6/26

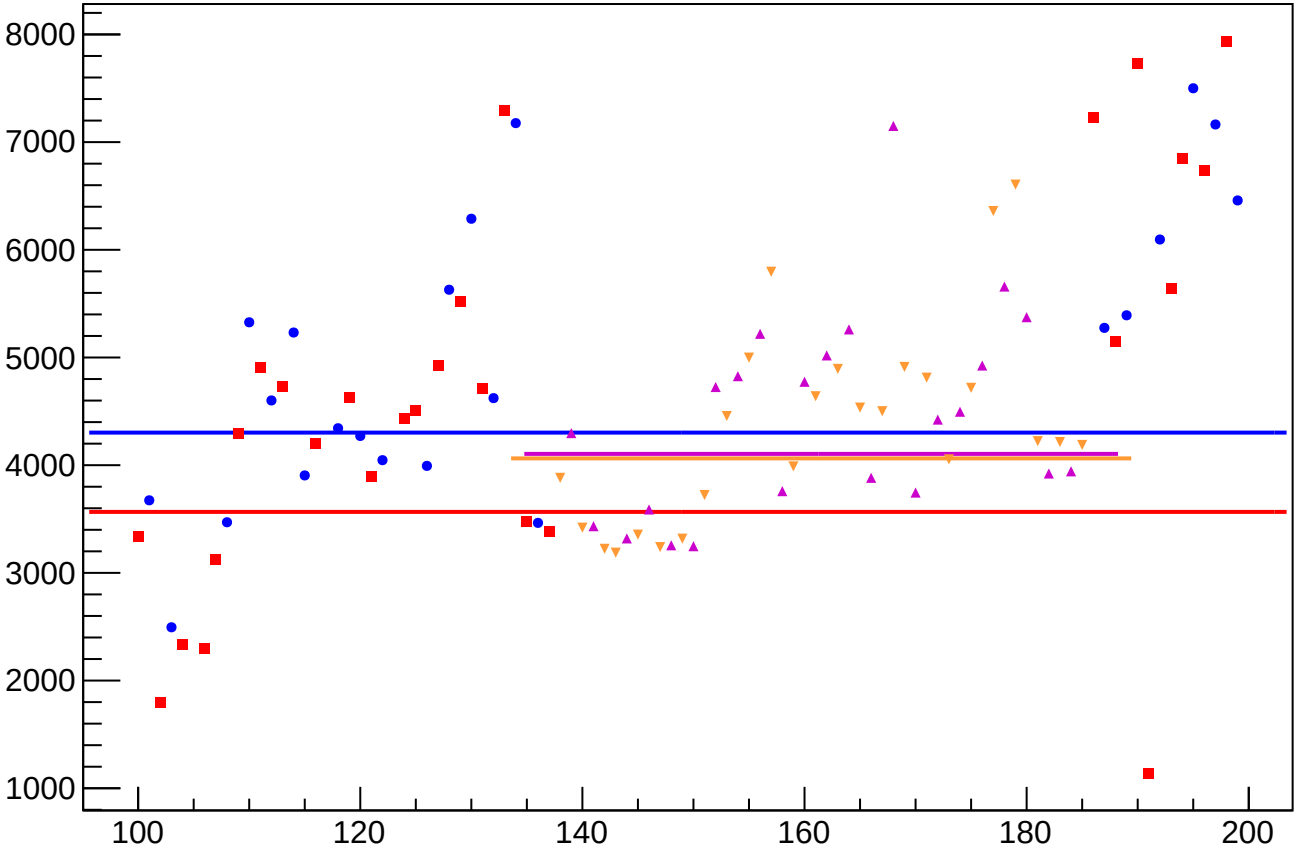
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

\+ sign -410.813+/-772.485 χ^2/NDF: 47.8/46

All: -638.654+/-535.194 χ^2/NDF: 88.5/96

\- sign -848.971+/-742.183 χ^2/NDF: 40.5/49

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4302.653+/-0.945 χ^2/NDF: 2157762.3/21

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3566.232+/-0.803 χ^2/NDF: 4820479.5/26

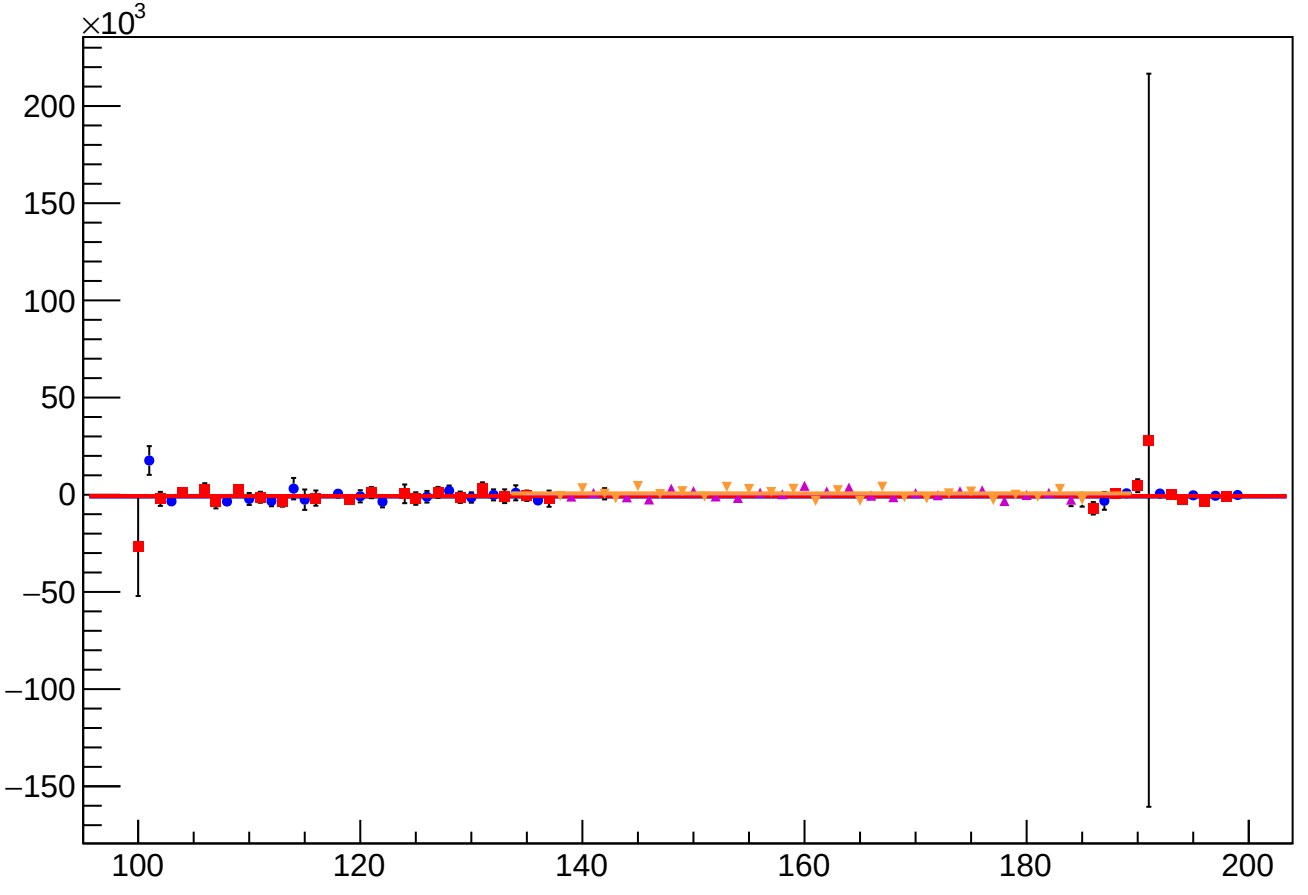
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4143.216+/-0.546 χ^2/NDF: 3605605.3/46

All: 4003.807+/-0.378 χ^2/NDF: 10168723.9/9

- sign 3875.121+/-0.525 χ^2/NDF: 6437853.5/49

cor_asym_atr_dd_mean vs Slug



Right In: -944.561+/-574.536 χ^2/NDF: 15.5/21

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -644.629+/-550.099 χ^2/NDF: 19.6/26

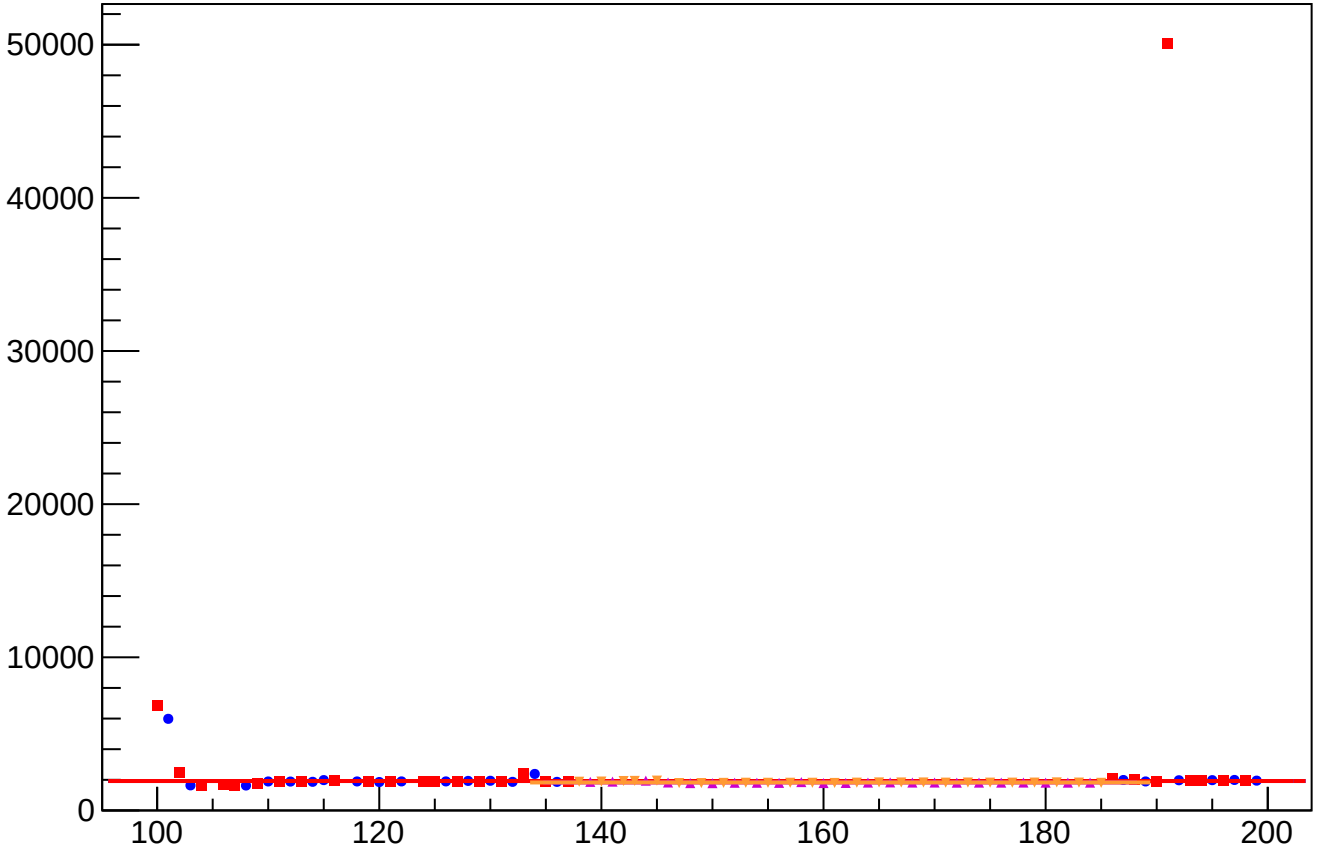
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 139.269+/-336.620 χ^2/NDF: 52.9/46

All: 74.692+/-238.132 χ^2/NDF: 95.5/96

- sign 10.000+/-336.920 χ^2/NDF: 42.6/49

cor_asym_atr_dd_rms vs Slug



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.2/21

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

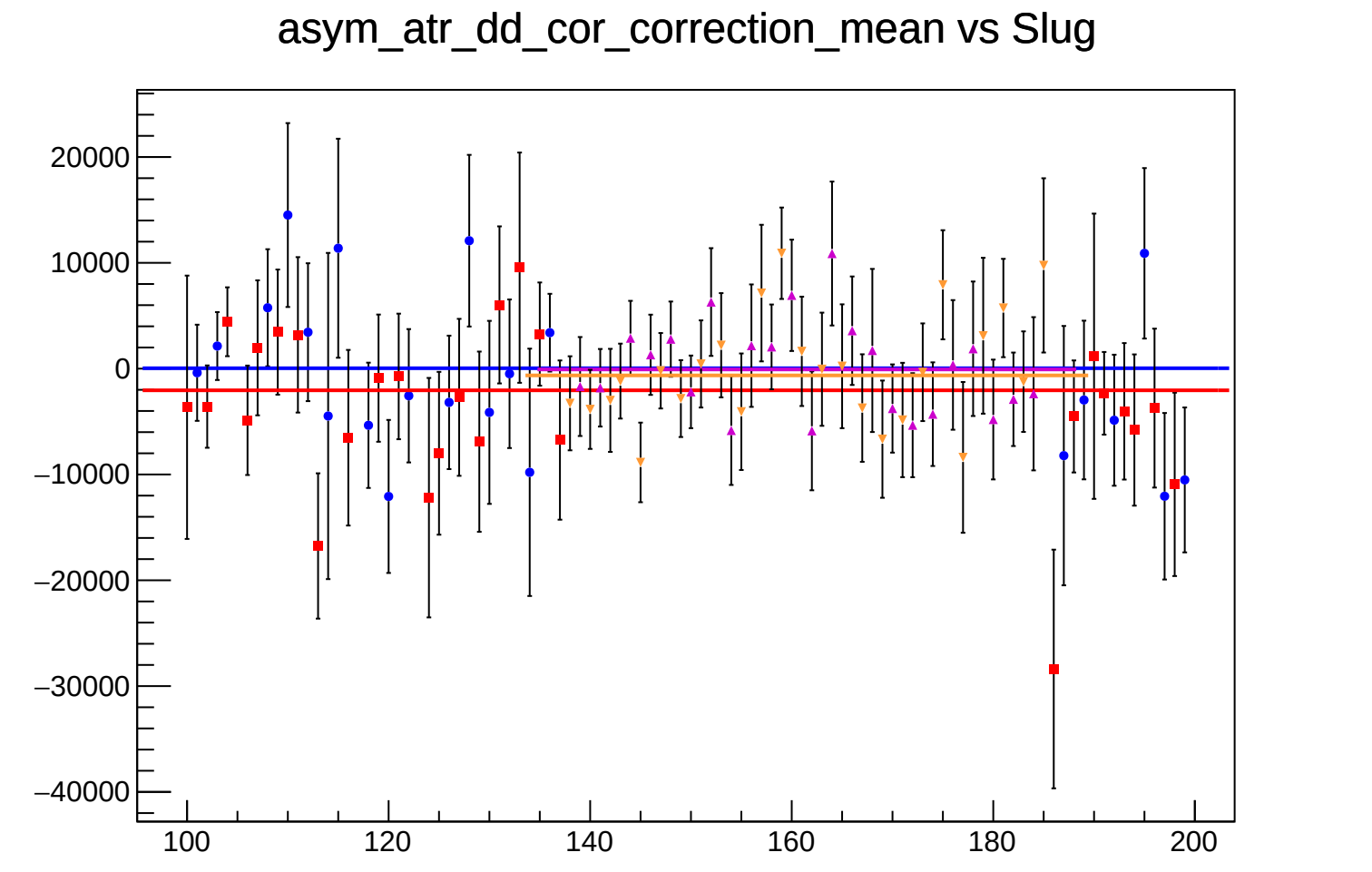
Right Out: 1922.147+/-0.389 χ^2/NDF: 379832.2/26

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1860.508+/-0.238 χ^2/NDF: 759786.5/46

All: 1861.048+/-0.168 χ^2/NDF: 1191879.7/96

- sign 1861.588+/-0.238 χ^2/NDF: 432083.0/49



Right In: 39.585+/-1335.941 χ^2/NDF: 21.7/21

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -2047.299+/-1195.021 χ^2/NDF: 24.0/26

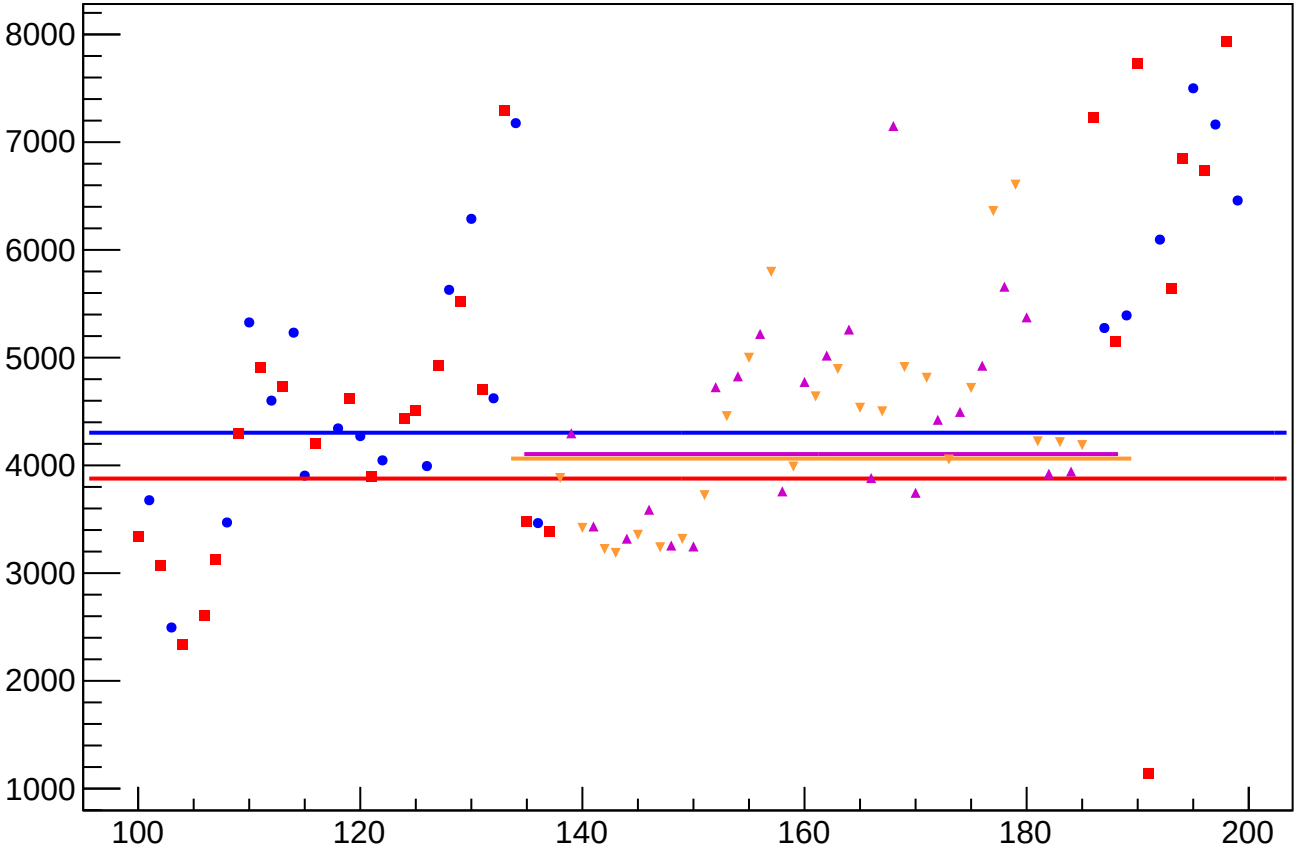
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -411.247+/-772.509 χ^2/NDF: 47.8/46

All: -644.375+/-541.003 χ^2/NDF: 89.1/96

- sign -868.762+/-757.888 χ^2/NDF: 41.1/49

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4303.171+/-0.945 χ^2/NDF: 2156801.1/21

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3877.710+/-0.845 χ^2/NDF: 3840518.2/26

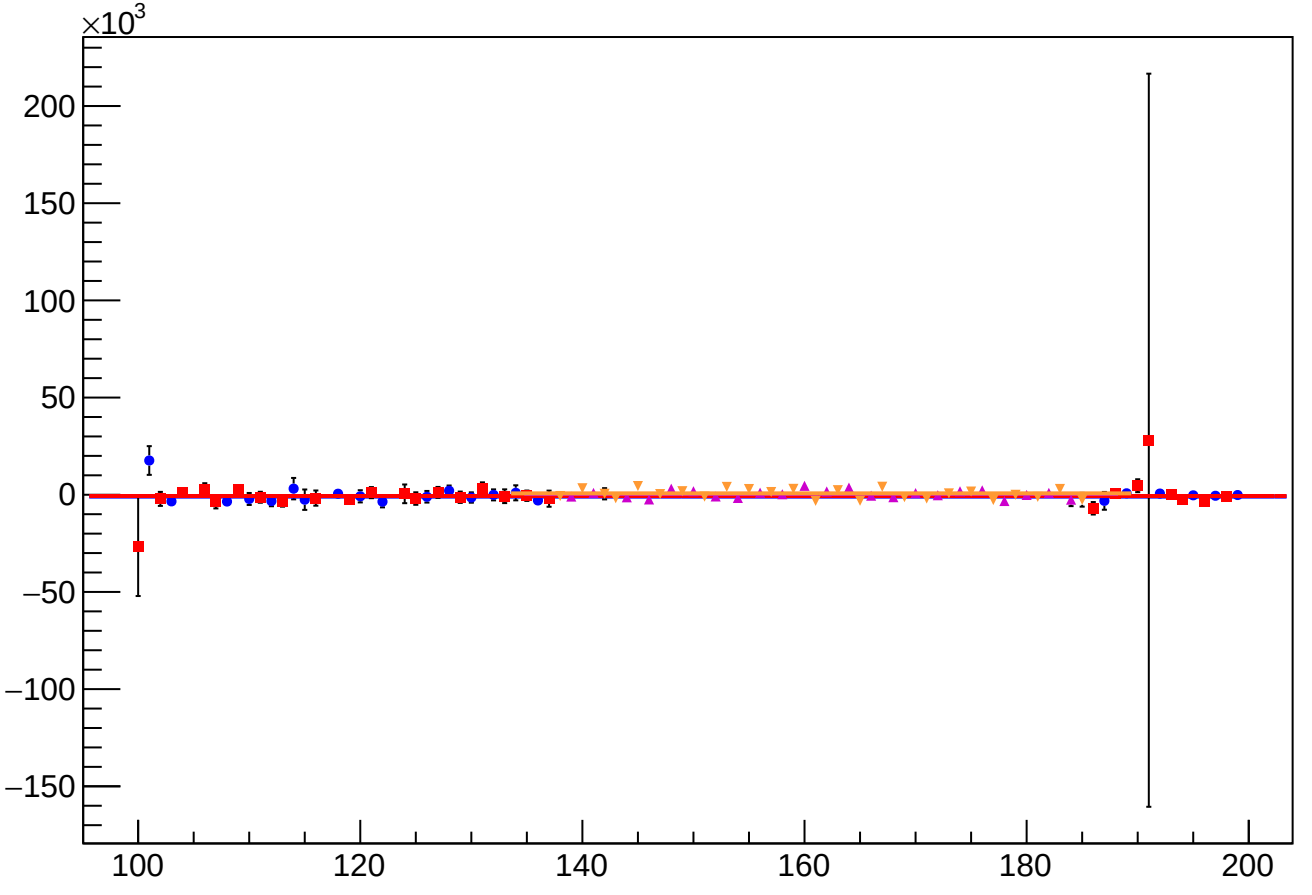
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4143.377+/-0.546 χ^2/NDF: 3604819.5/46

All: 4077.254+/-0.383 χ^2/NDF: 8876865.6/96

- sign 4013.610+/-0.536 χ^2/NDF: 5243289.0/49

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -944.561+/-574.536 χ^2/NDF: 15.5/21

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -644.629+/-550.099 χ^2/NDF: 19.6/26

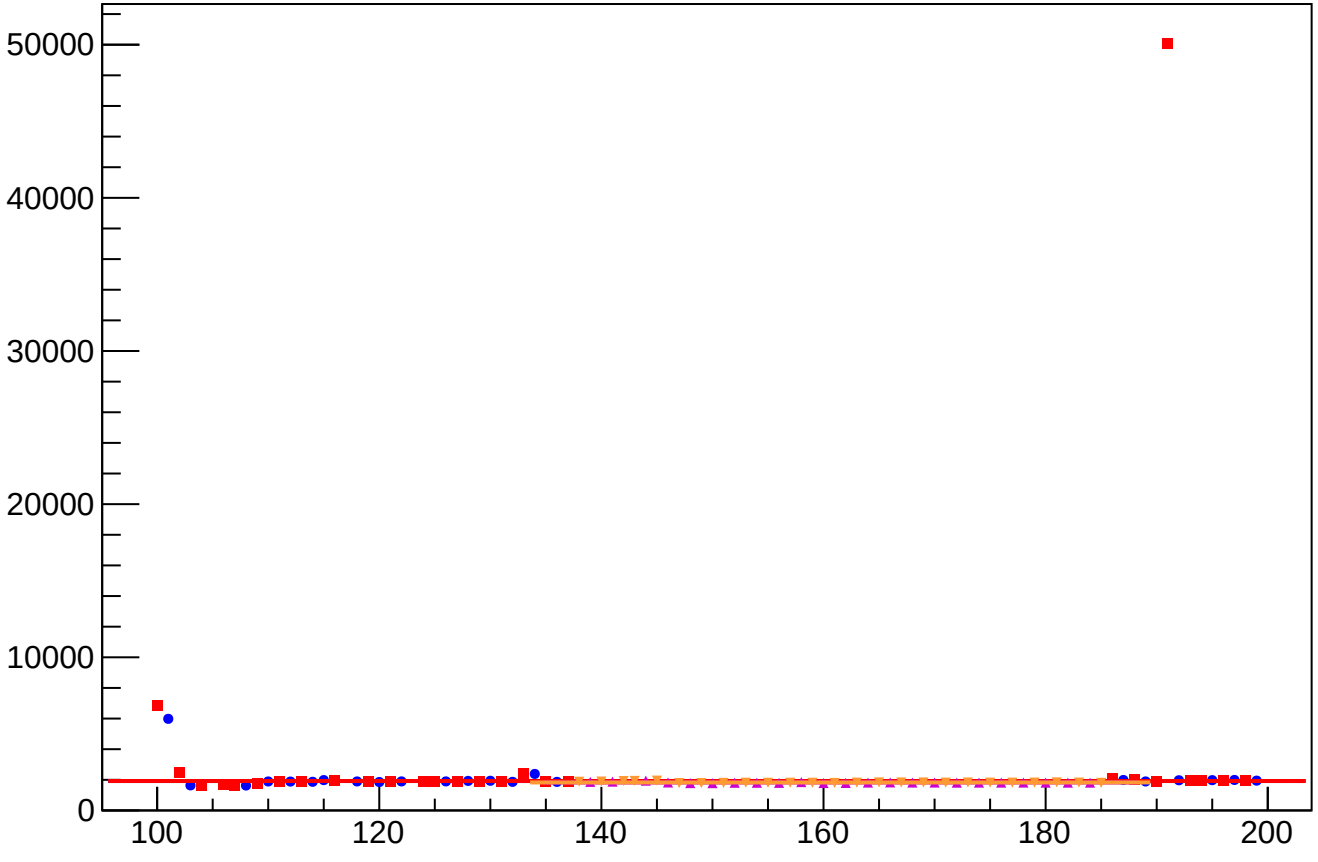
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 139.269+/-336.620 χ^2/NDF: 52.9/46

All: 74.692+/-238.132 χ^2/NDF: 95.5/96

- sign 10.000+/-336.920 χ^2/NDF: 42.6/49

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.2/21

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

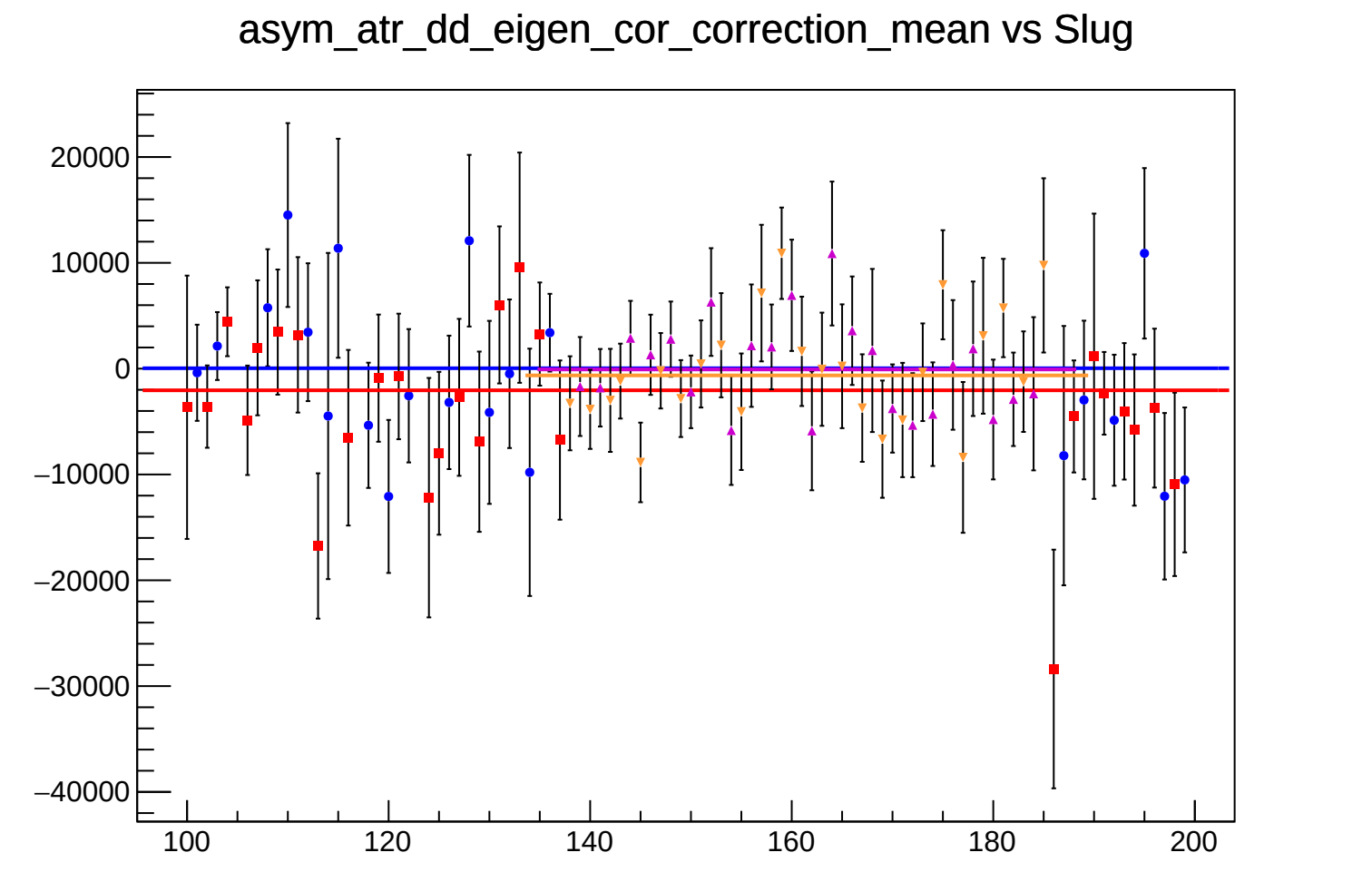
Right Out: 1922.147+/-0.389 χ^2/NDF: 379832.2/26

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1860.508+/-0.238 χ^2/NDF: 759786.5/46

All: 1861.048+/-0.168 χ^2/NDF: 1191879.7/96

- sign 1861.588+/-0.238 χ^2/NDF: 432083.0/49



Right In: 39.585+/-1335.941 χ^2/NDF: 21.7/21

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -2047.299+/-1195.021 χ^2/NDF: 24.0/26

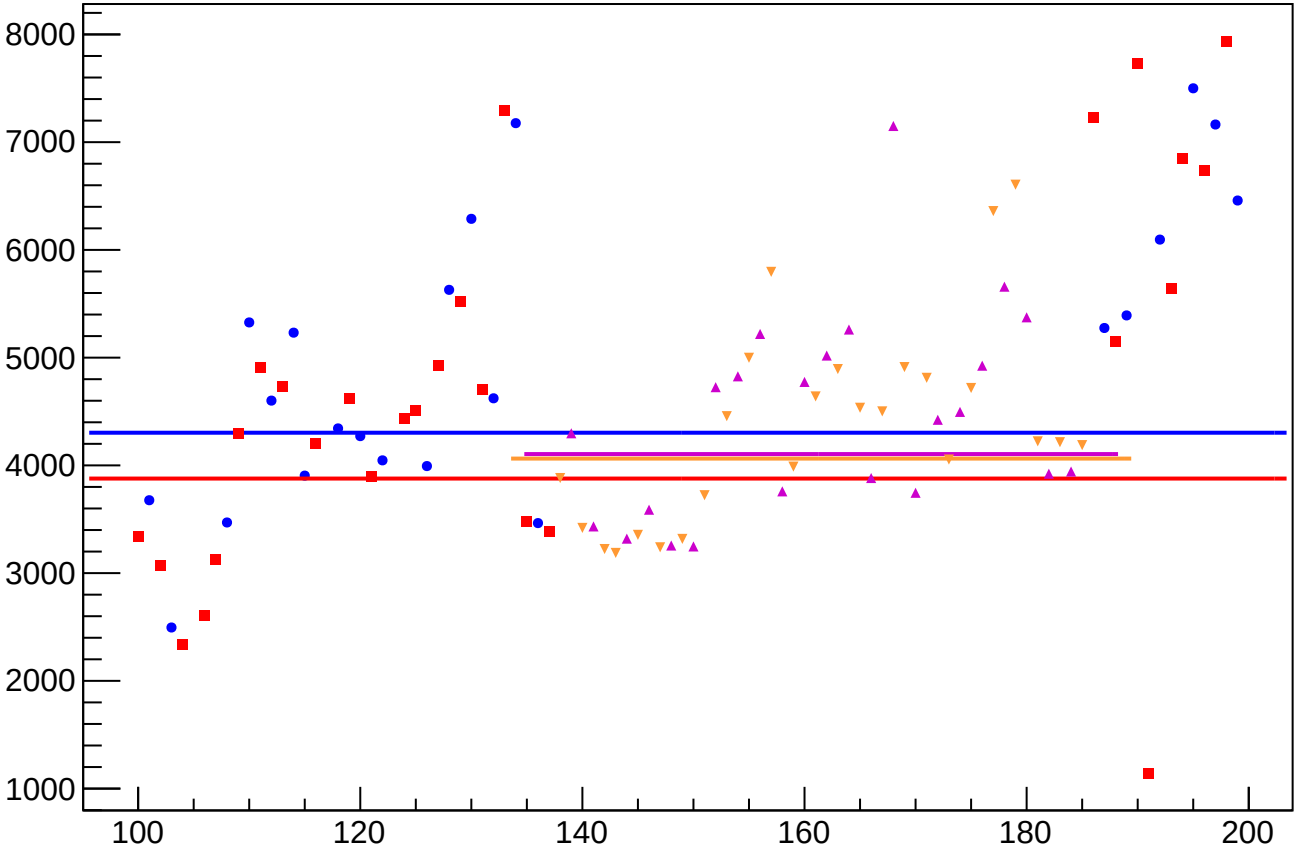
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -411.247+/-772.509 χ^2/NDF: 47.8/46

All: -644.375+/-541.003 χ^2/NDF: 89.1/96

- sign -868.762+/-757.888 χ^2/NDF: 41.1/49

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4303.171+/-0.945 χ^2/NDF: 2156801.1/21

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3877.710+/-0.845 χ^2/NDF: 3840518.2/26

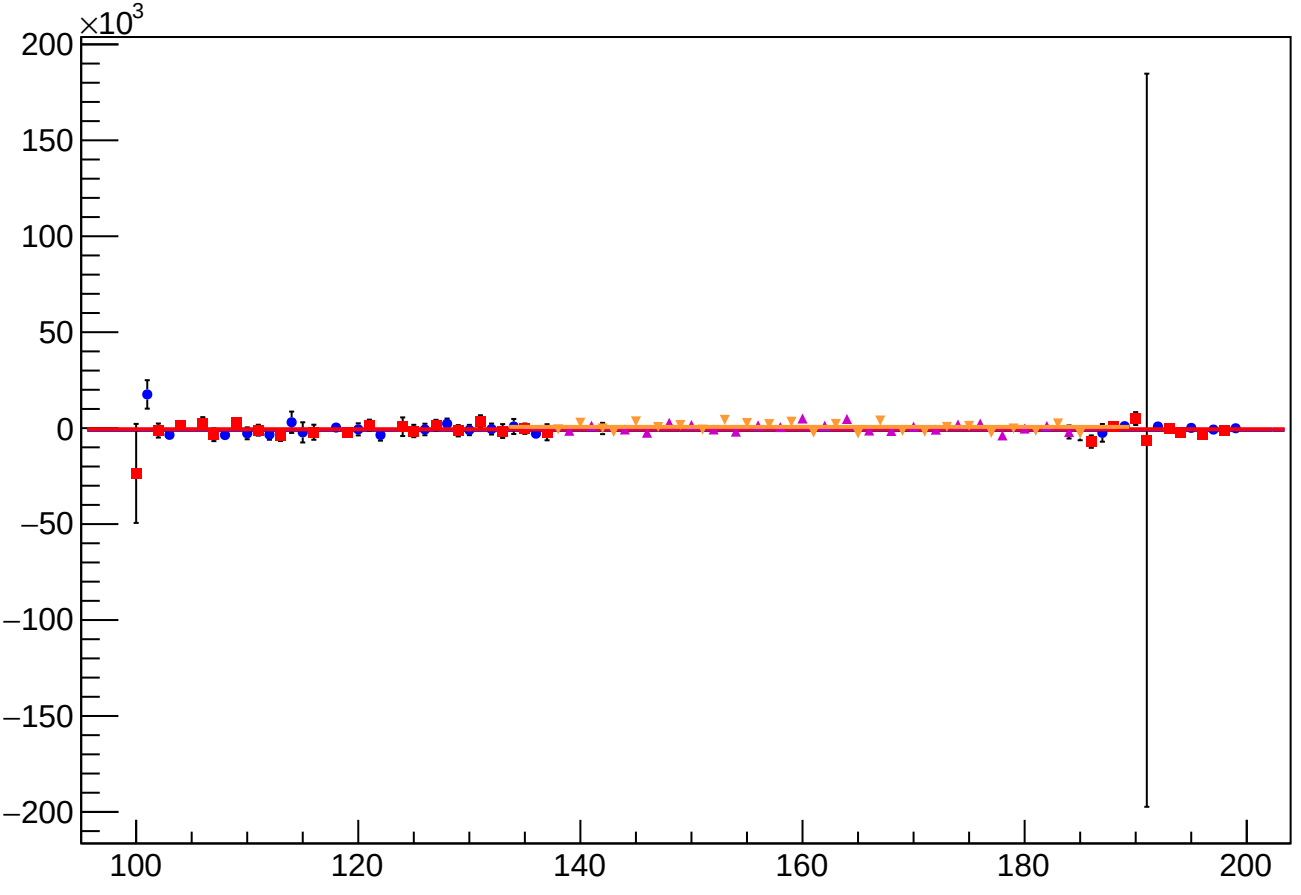
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4143.377+/-0.546 χ^2/NDF: 3604819.5/46

All: 4077.254+/-0.383 χ^2/NDF: 8876865.6/96

- sign 4013.610+/-0.536 χ^2/NDF: 5243289.0/49

dit_asym_atr_dd_mean vs Slug



Right In: -890.518+/-579.742 χ^2/NDF: 16.0/21

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -590.191+/-555.381 χ^2/NDF: 21.1/26

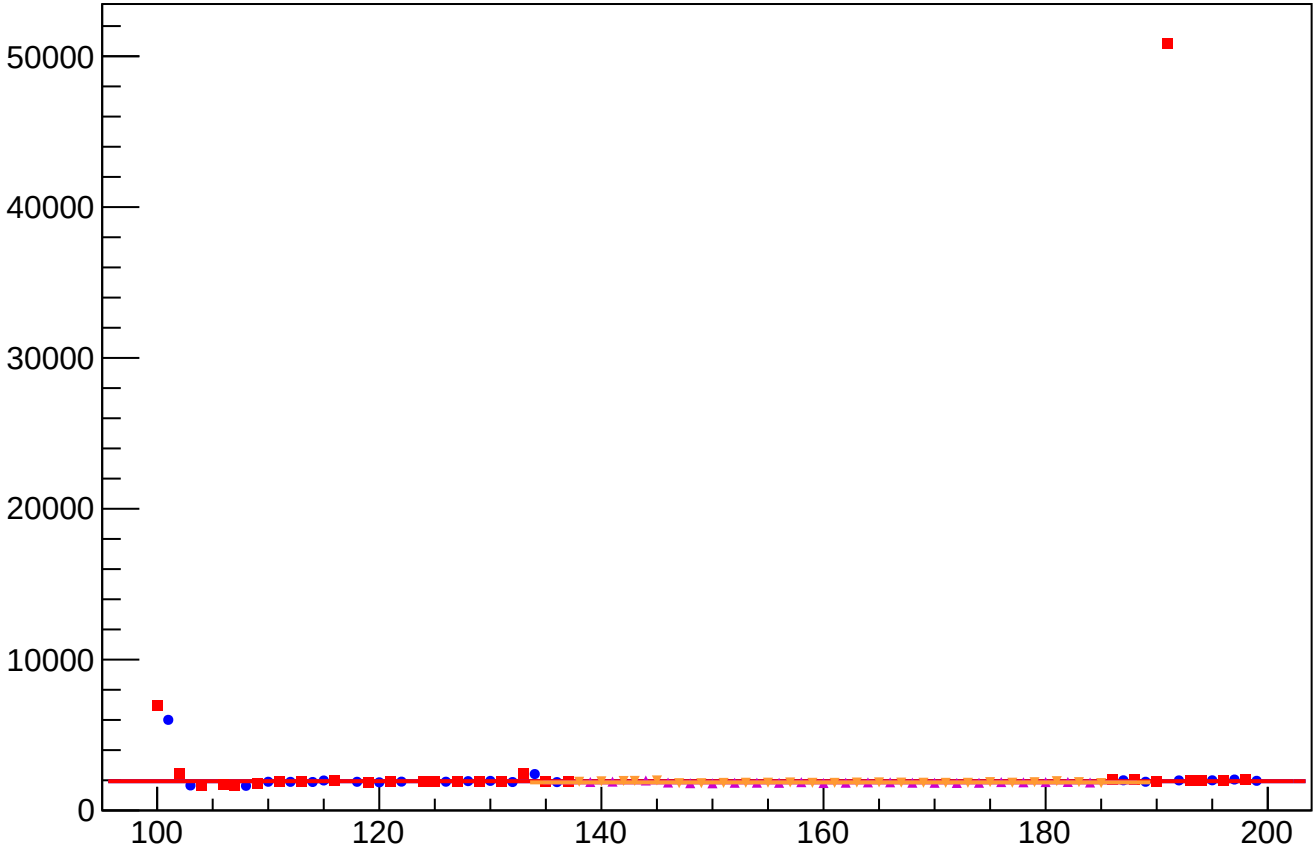
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 119.667+/-341.744 χ^2/NDF: 47.7/46

All: 75.597+/-241.705 χ^2/NDF: 94.4/96

- sign 31.488+/-341.900 χ^2/NDF: 46.7/49

dit_asym_atr_dd_rms vs Slug



Right In: 1939.461+/-0.410 χ^2/NDF: 707775.8/21

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

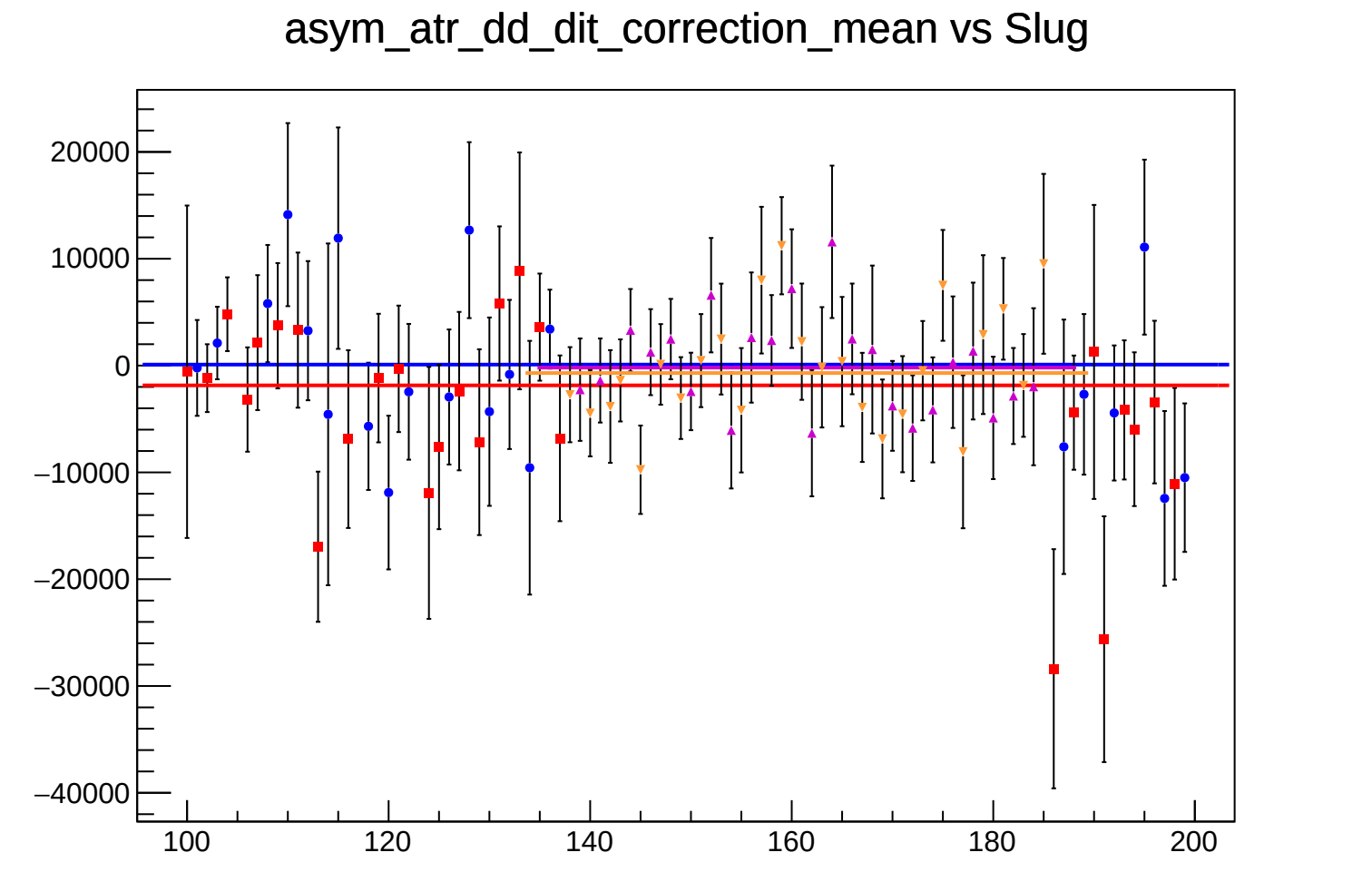
Right Out: 1940.227+/-0.392 χ^2/NDF: 388042.1/26

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1888.741+/-0.242 χ^2/NDF: 757251.0/46

All: 1888.859+/-0.171 χ^2/NDF: 1189148.2/96

- sign 1888.977+/-0.242 χ^2/NDF: 431896.8/49



Right In: 90.743+/-1353.193 χ^2/NDF: 21.5/21

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1852.896+/-1230.435 χ^2/NDF: 27.8/26

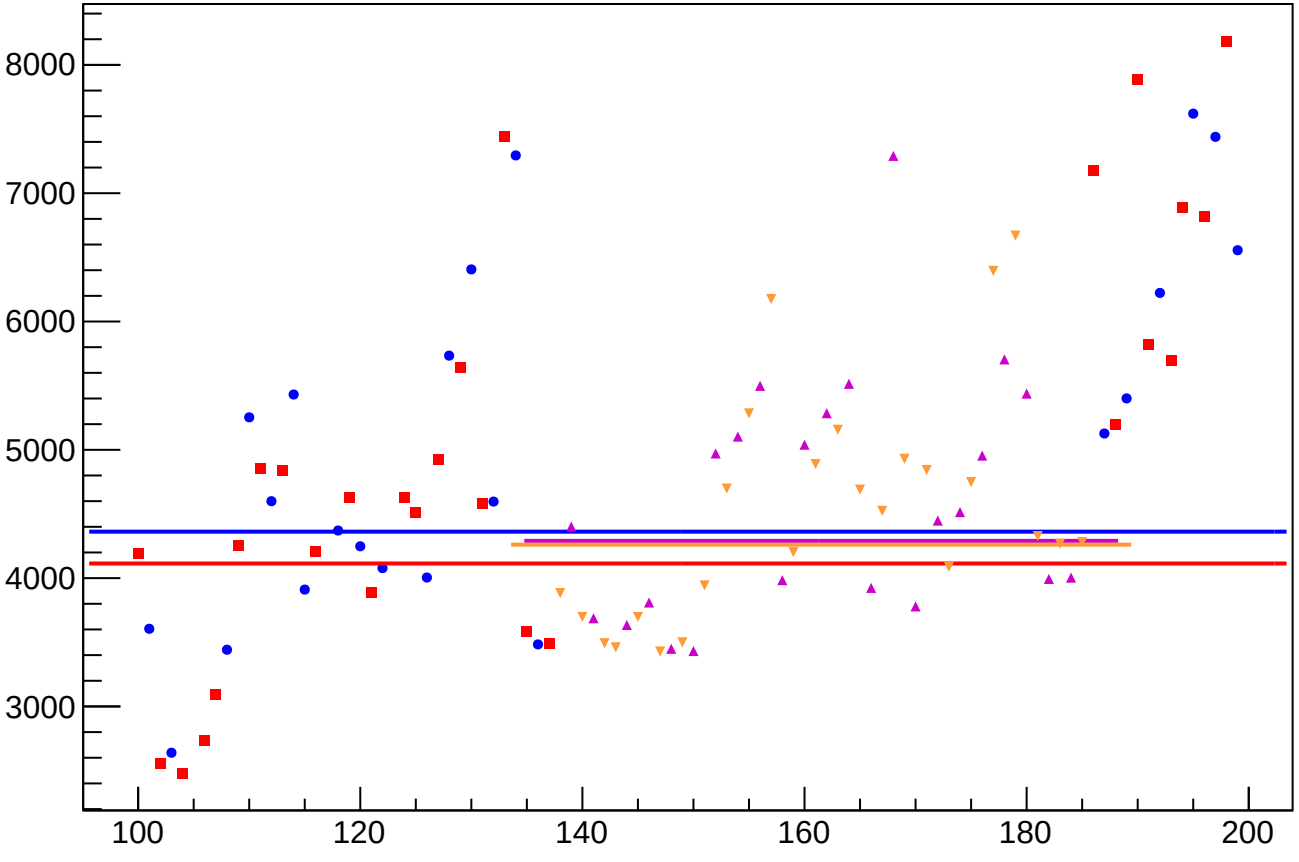
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -423.189+/-799.018 χ^2/NDF: 47.0/46

All: -650.515+/-560.474 χ^2/NDF: 91.2/96

- sign -870.713+/-786.391 χ^2/NDF: 44.0/49

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4362.228+/-0.957 χ^2/NDF: 2094705.5/21

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4114.158+/-0.870 χ^2/NDF: 3028984.2/26

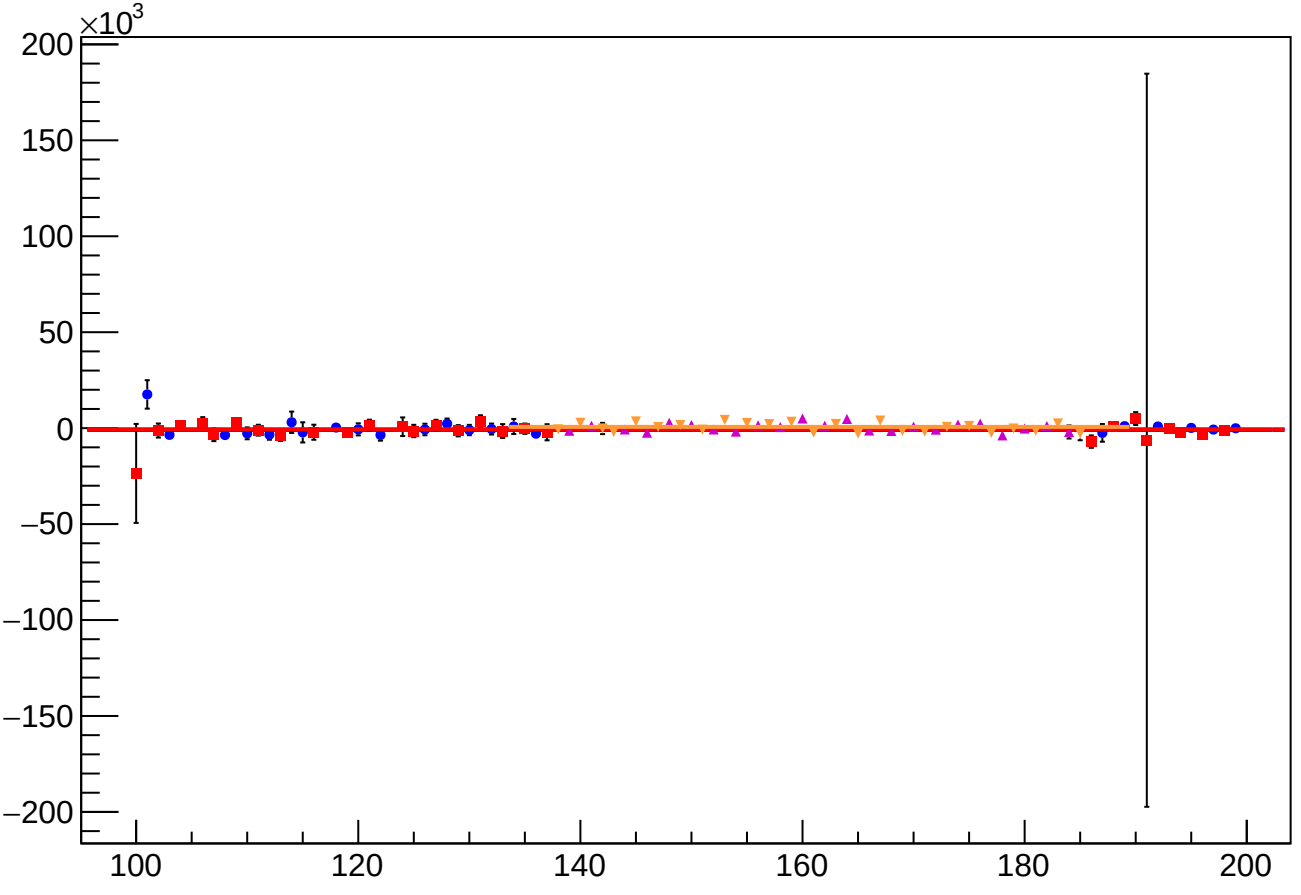
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4296.374+/-0.565 χ^2/NDF: 3292539.0/46

All: 4256.771+/-0.396 χ^2/NDF: 7569432.1/96

- sign 4218.409+/-0.556 χ^2/NDF: 4267220.4/49

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -890.521+/-579.742 χ^2/NDF: 16.0/21

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -590.187+/-555.381 χ^2/NDF: 21.1/26

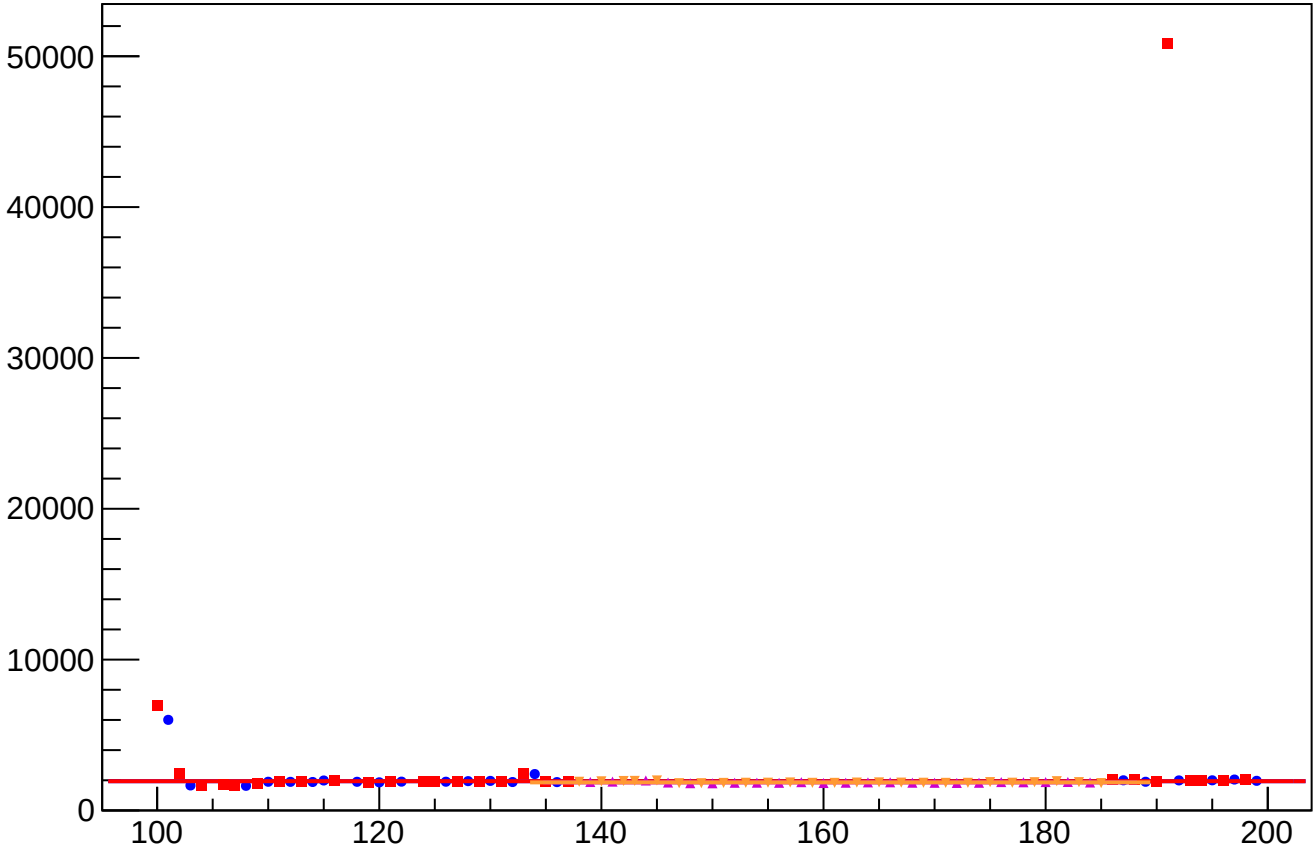
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 119.669+/-341.744 χ^2/NDF: 47.7/46

All: 75.599+/-241.705 χ^2/NDF: 94.4/96

- sign 31.489+/-341.900 χ^2/NDF: 46.7/49

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1939.461+/-0.410 χ^2/NDF: 707775.6/21

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

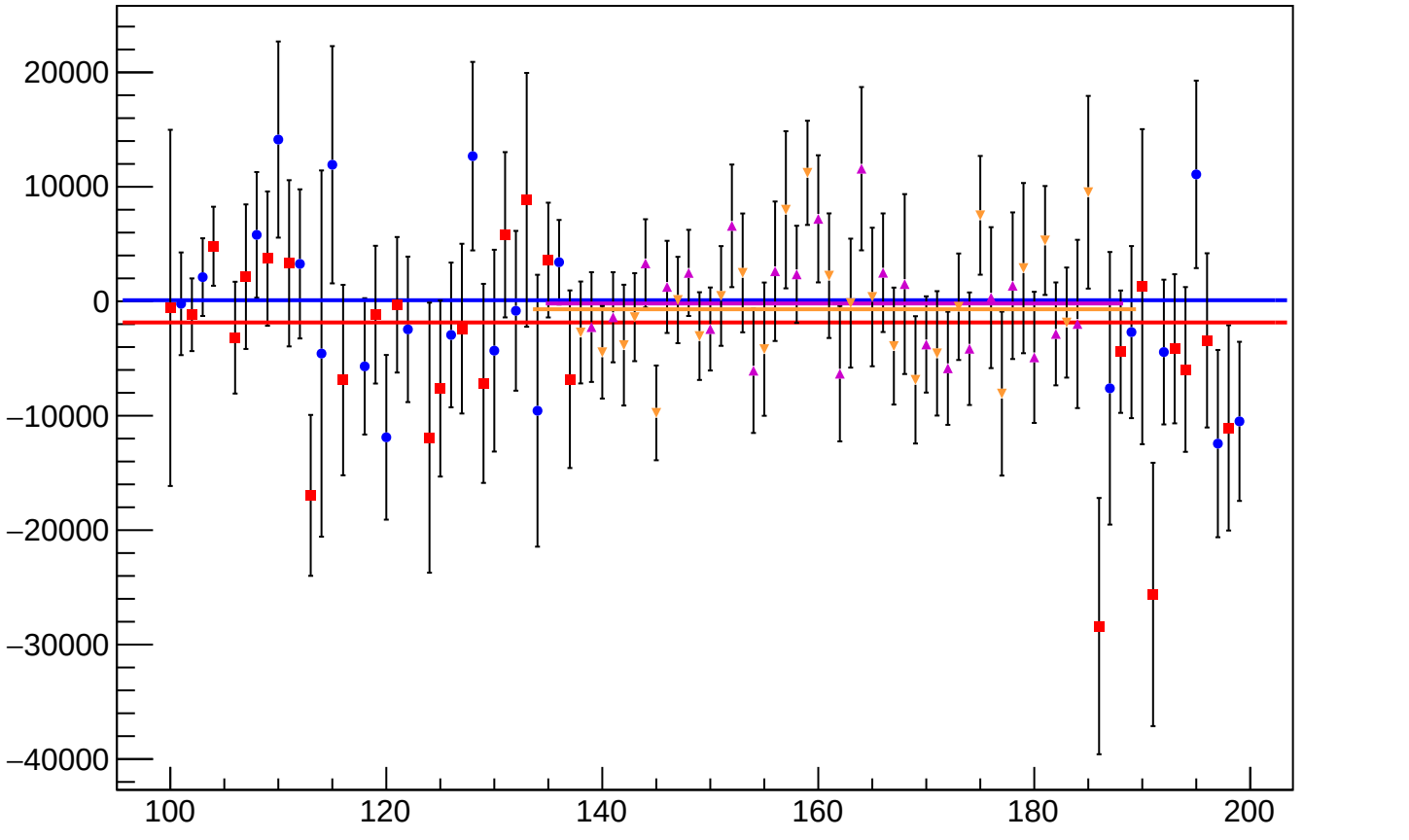
Right Out: 1940.227+/-0.392 χ^2/NDF: 388042.2/26

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1888.741+/-0.242 χ^2/NDF: 757250.4/46

All: 1888.859+/-0.171 χ^2/NDF: 1189147.2/96

- sign 1888.978+/-0.242 χ^2/NDF: 431896.4/49



Right In: 90.733+/-1353.192 χ^2/NDF: 21.5/21

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1852.893+/-1230.434 χ^2/NDF: 27.8/26

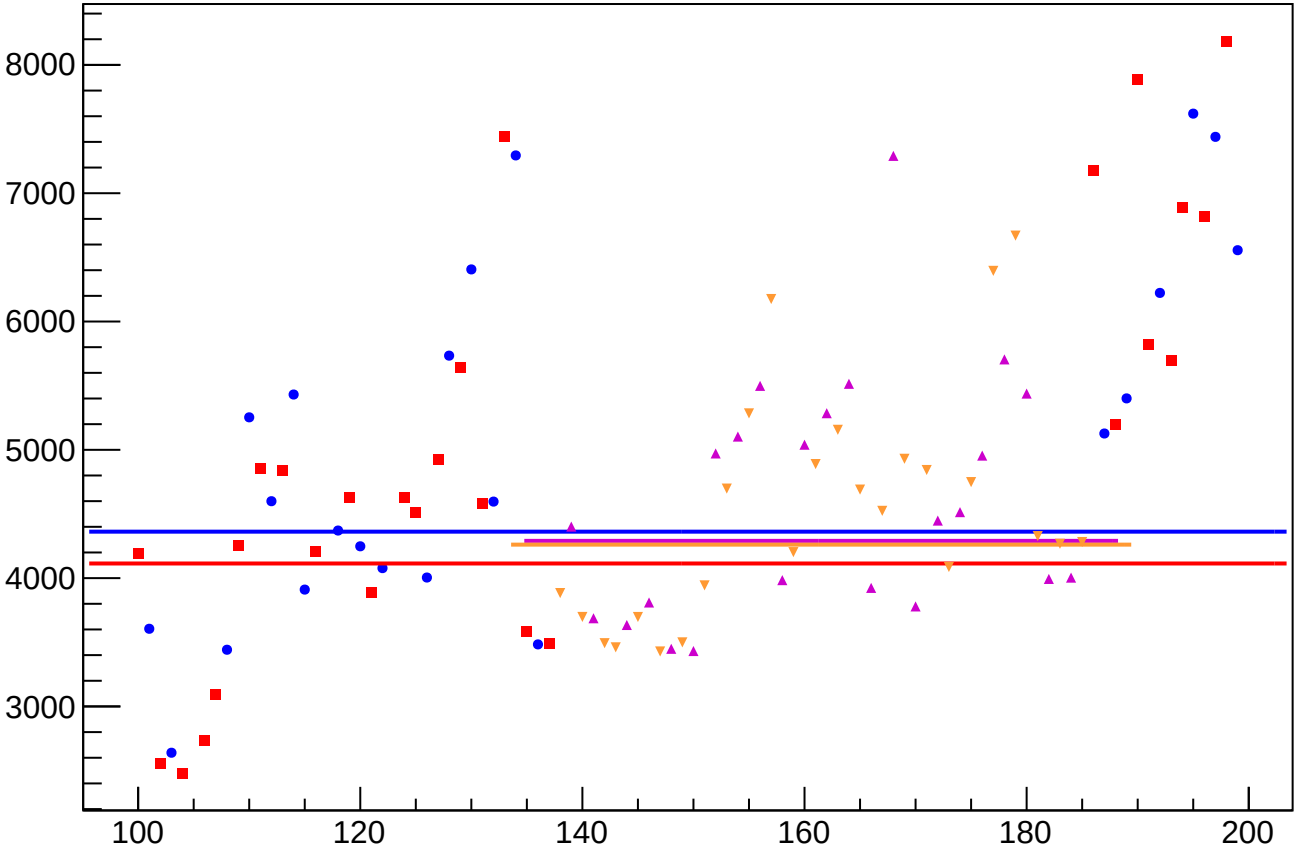
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

\+ sign -423.191+/-799.019 χ^2/NDF: 47.0/46

All: -650.517+/-560.474 χ^2/NDF: 91.2/96

\- sign -870.715+/-786.392 χ^2/NDF: 44.0/49

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4362.226+/-0.957 χ^2/NDF: 2094703.6/21

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4114.155+/-0.870 χ^2/NDF: 3028979.8/26

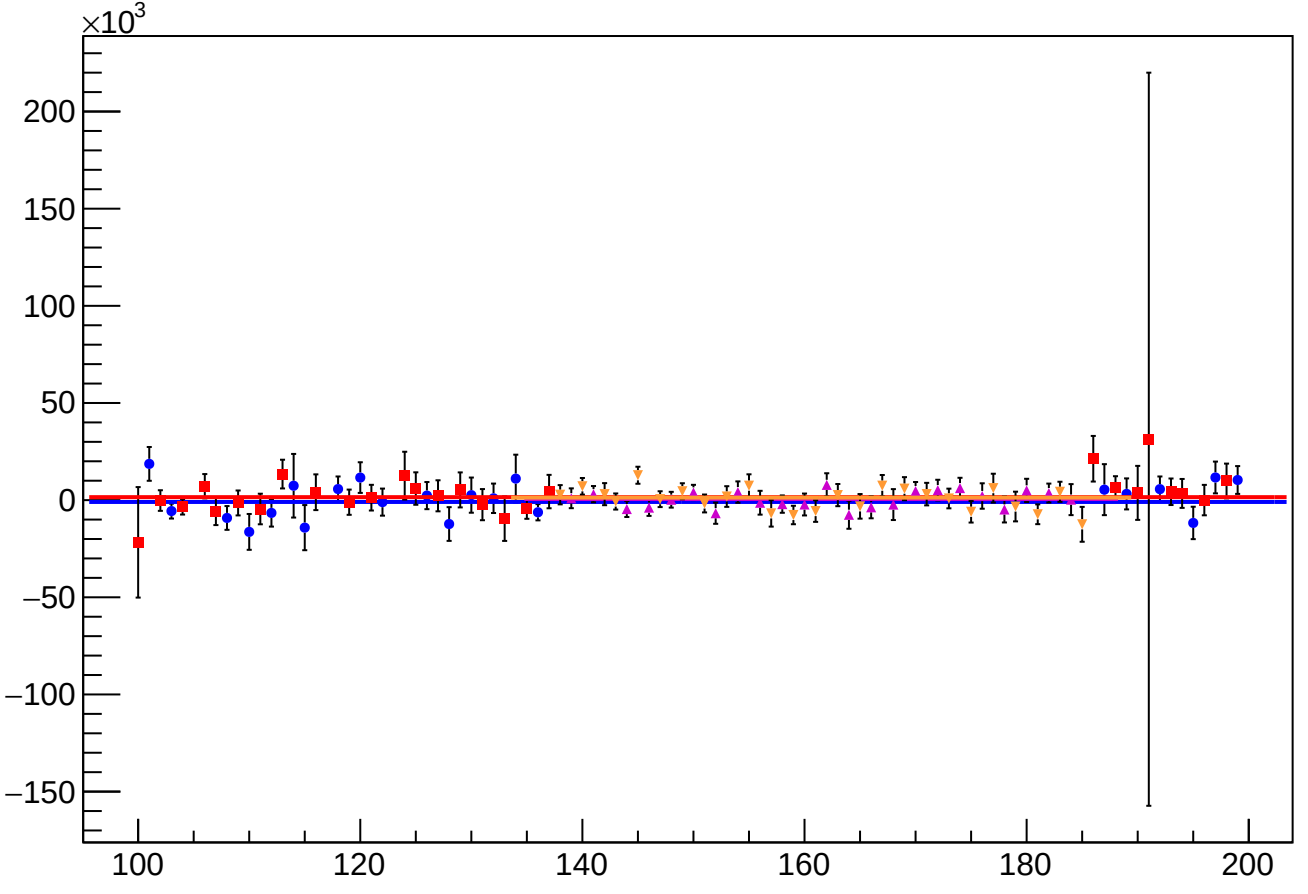
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4296.378+/-0.565 χ^2/NDF: 3292538.6/46

All: 4256.774+/-0.396 χ^2/NDF: 7569436.0/96

- sign 4218.412+/-0.556 χ^2/NDF: 4267224.4/49

asym_atr_dd_mean vs Slug



Right In: -935.405+/-1521.247 χ^2/NDF: 29.7/21

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1537.479+/-1427.003 χ^2/NDF: 16.1/26

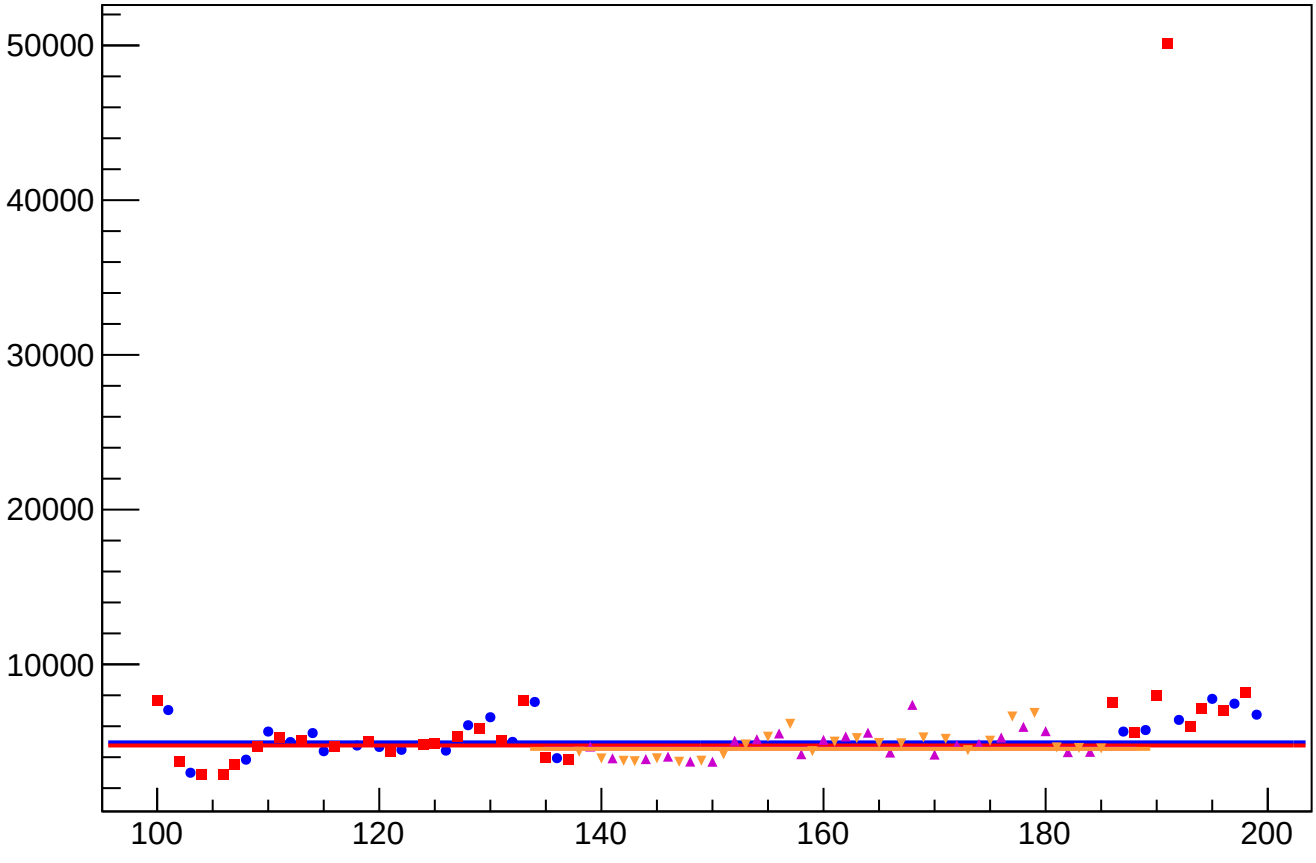
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 577.991+/-863.896 χ^2/NDF: 59.6/46

All: 752.988+/-610.282 χ^2/NDF: 90.6/96

- sign 927.317+/-862.246 χ^2/NDF: 30.8/49

asym_atr_dd_rms vs Slug



Right In: 4956.171+/-1.076 χ^2/NDF: 1715885.1/21

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

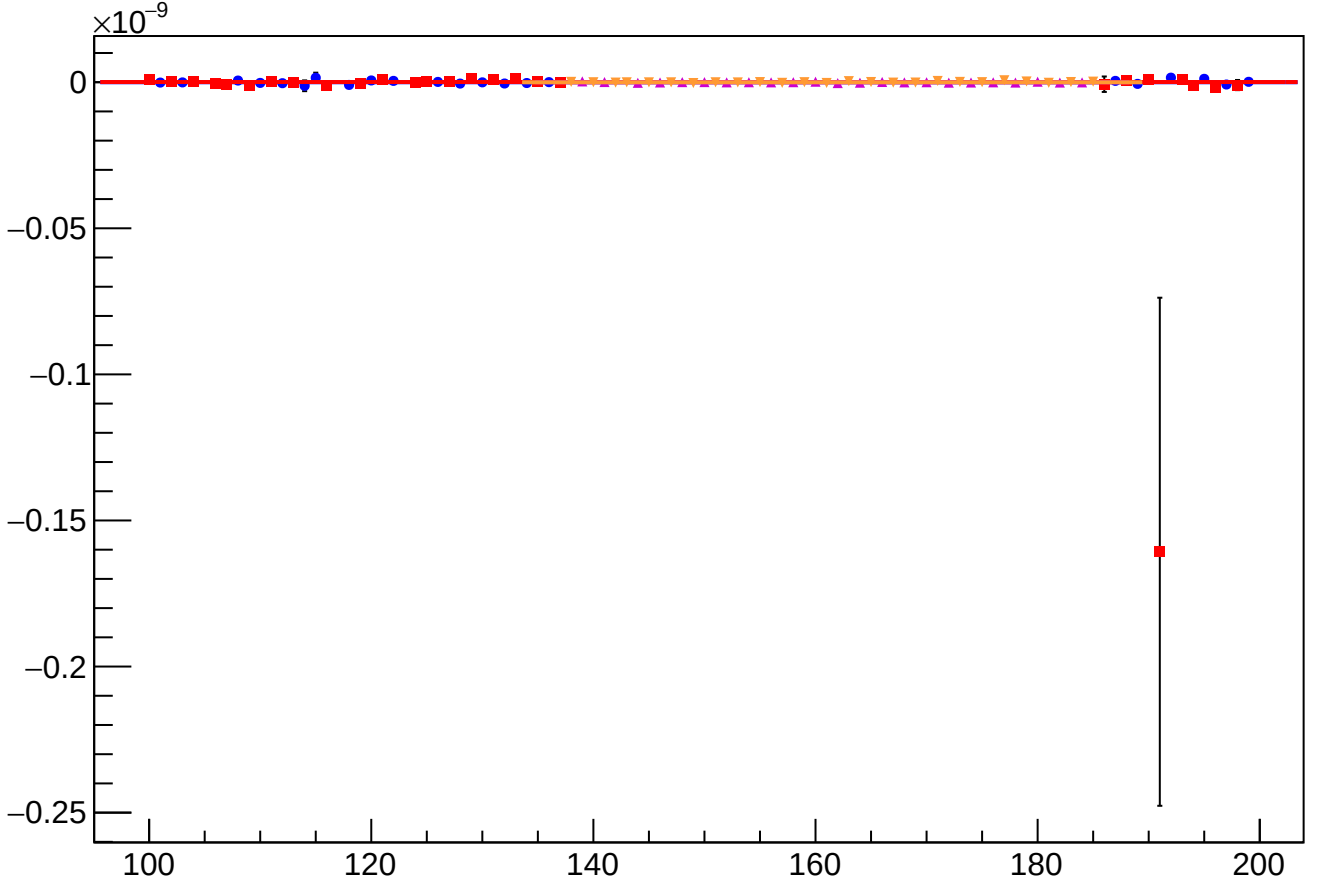
Right Out: 4757.089+/-1.003 χ^2/NDF: 2198668.1/26

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4672.813+/-0.611 χ^2/NDF: 2811211.1/46

All: 4652.751+/-0.431 χ^2/NDF: 6016521.0/96

- sign 4632.858+/-0.608 χ^2/NDF: 3203161.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

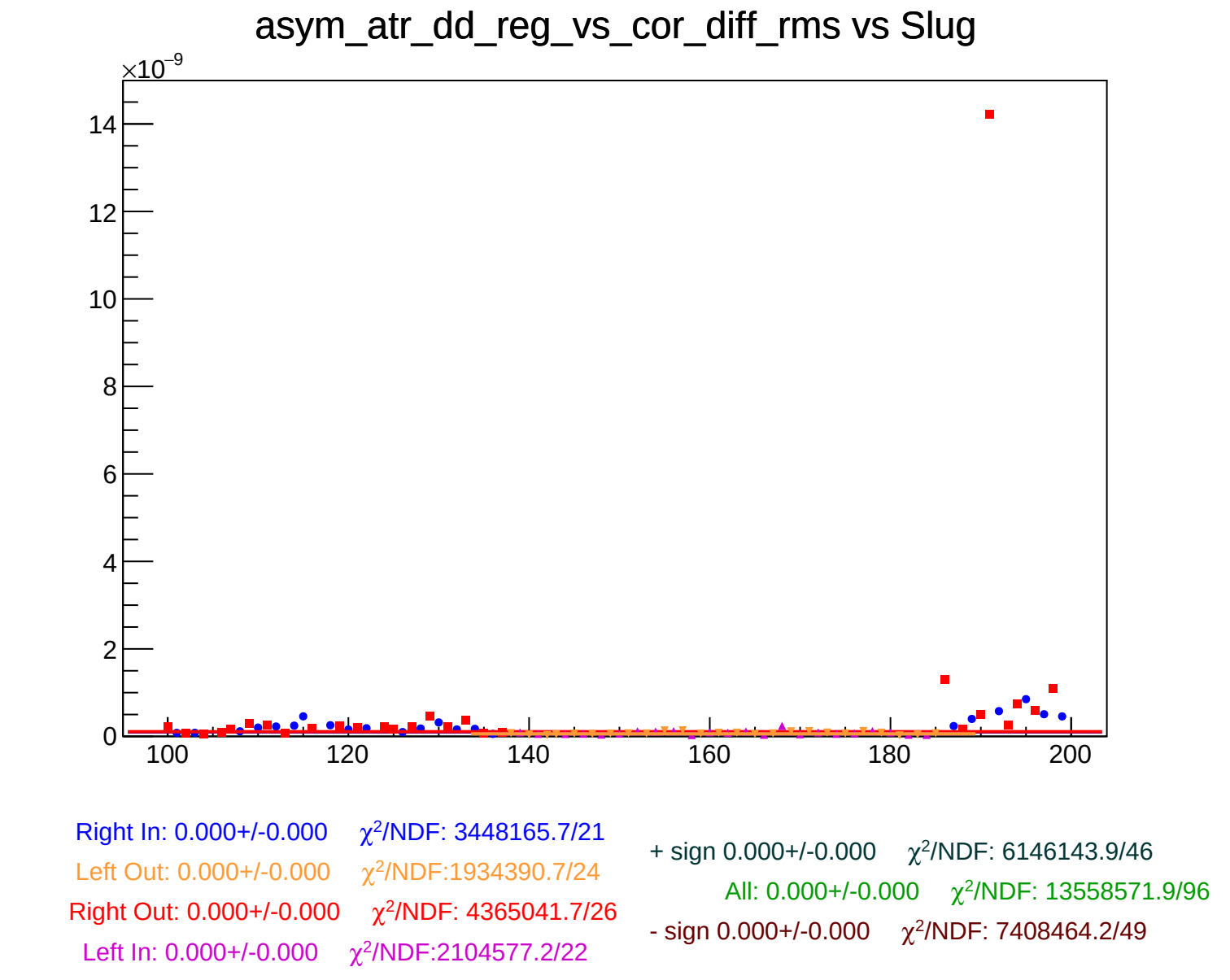
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/26

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

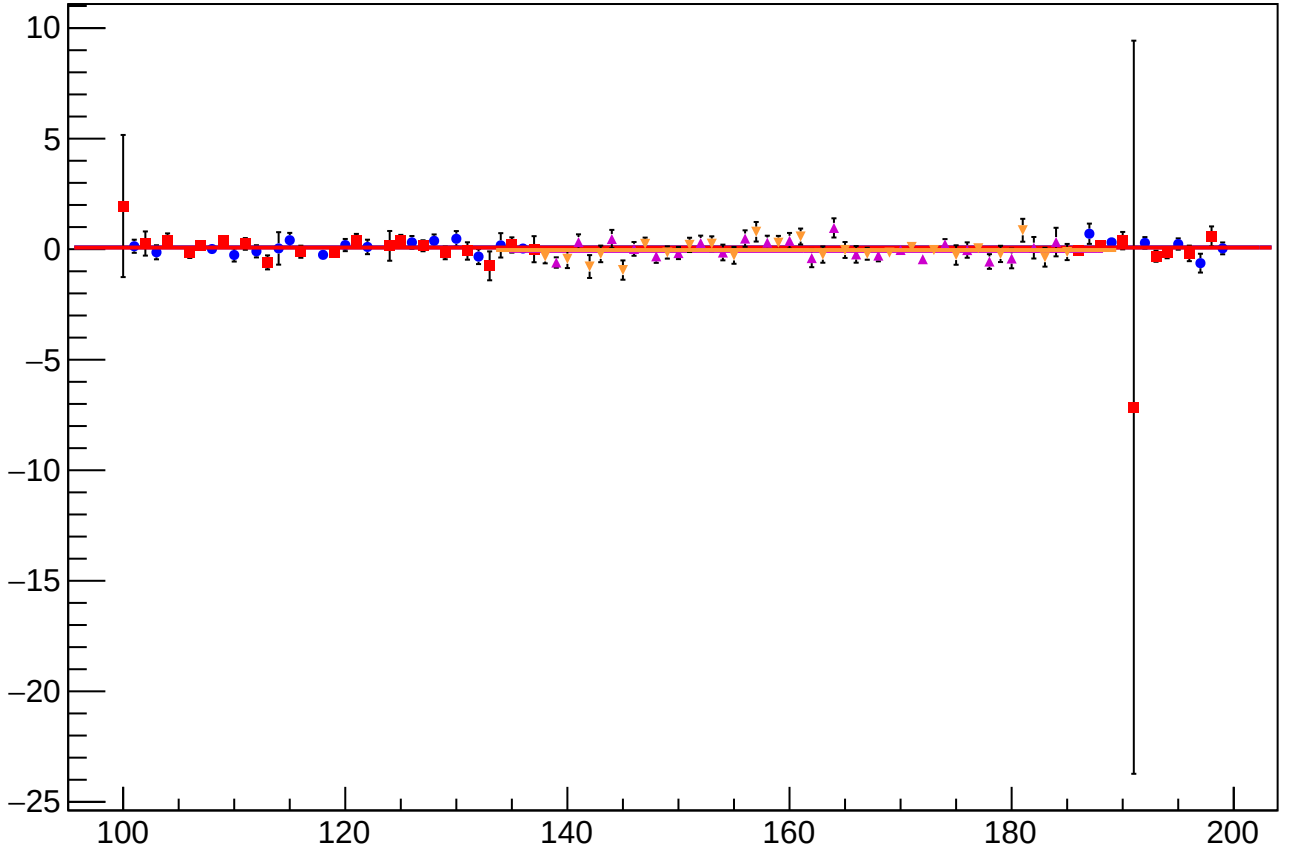
+ sign -0.000+/-0.000 χ^2/NDF: 56.0/46

All: -0.000+/-0.000 χ^2/NDF: 112.3/96

- 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: 3448165.7/21
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: 6146143.9/46
All: 0.000+/-0.000 χ²/NDF: 13558571.9/96
- sign 0.000+/-0.000 χ²/NDF: 7408464.2/49

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.073+/-0.054 χ^2/NDF: 24.7/26

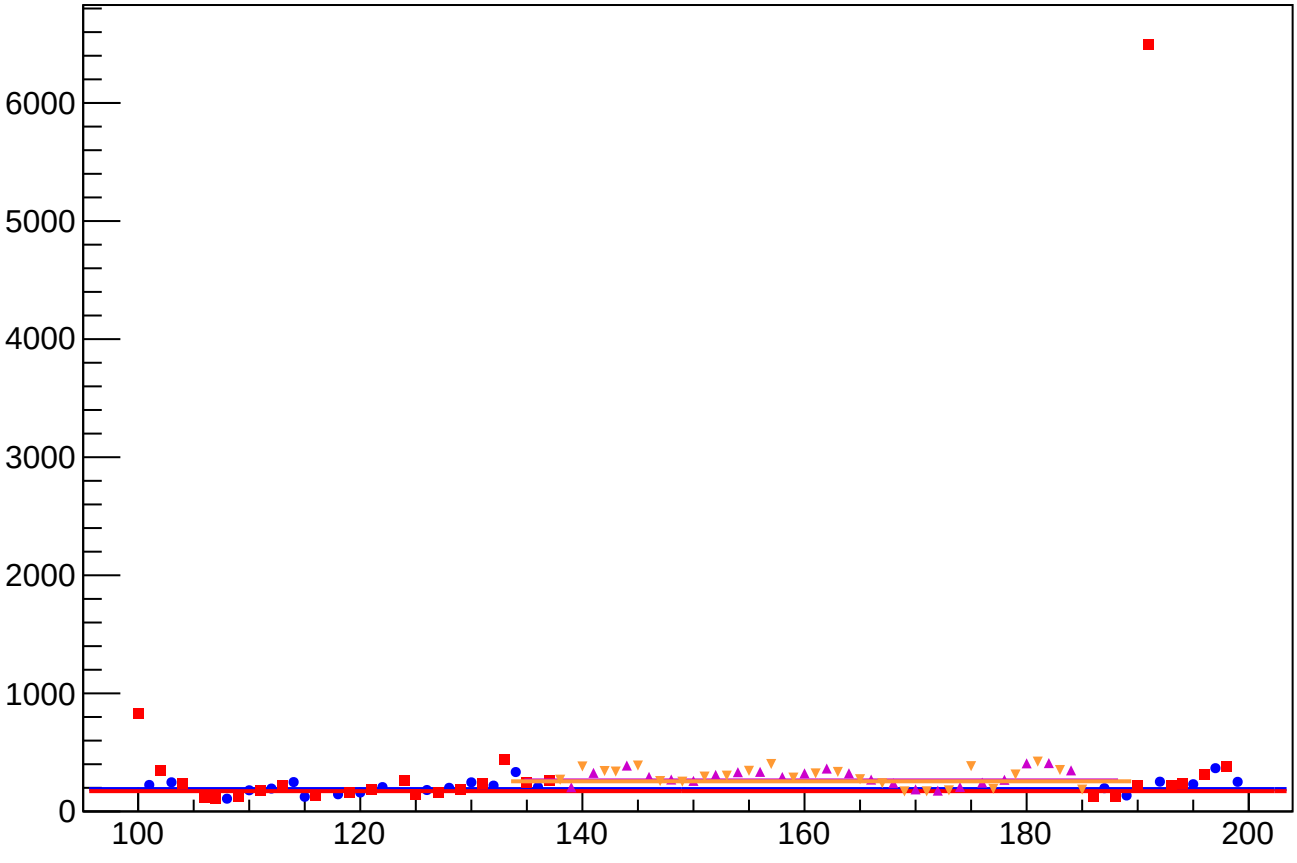
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.043 χ^2/NDF: 44.3/46

All: 0.018+/-0.030 χ^2/NDF: 103.4/96

- sign 0.012+/-0.041 χ^2/NDF: 59.0/49

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 189.609+/-0.042 χ^2/NDF: 1728434.9/21

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 171.965+/-0.038 χ^2/NDF: 2995043.0/26

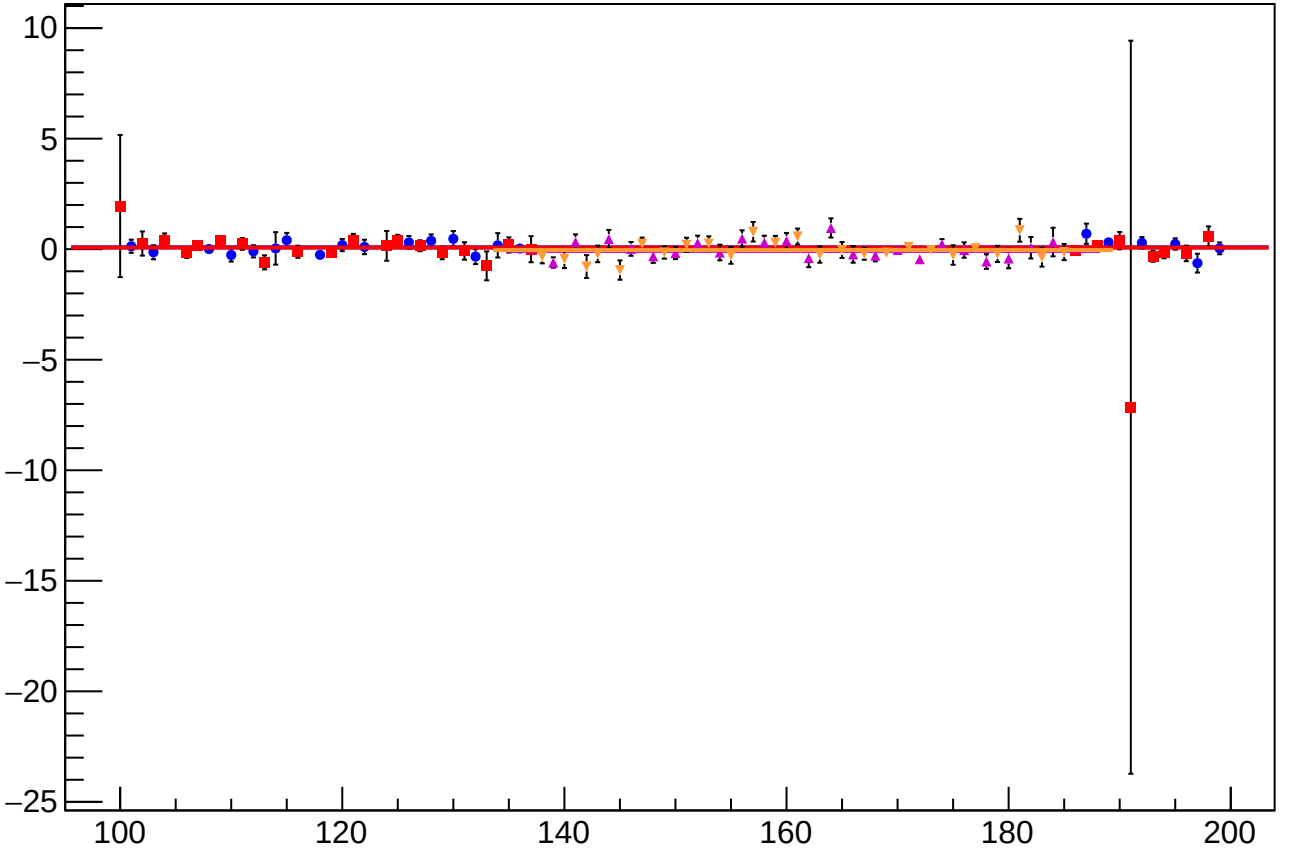
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 221.259+/-0.030 χ^2/NDF: 5832994.7/46

All: 214.845+/-0.021 χ^2/NDF: 13264509.2/96

- sign 208.896+/-0.029 χ^2/NDF: 7345585.7/49

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.073+/-0.054 χ^2/NDF: 24.7/26

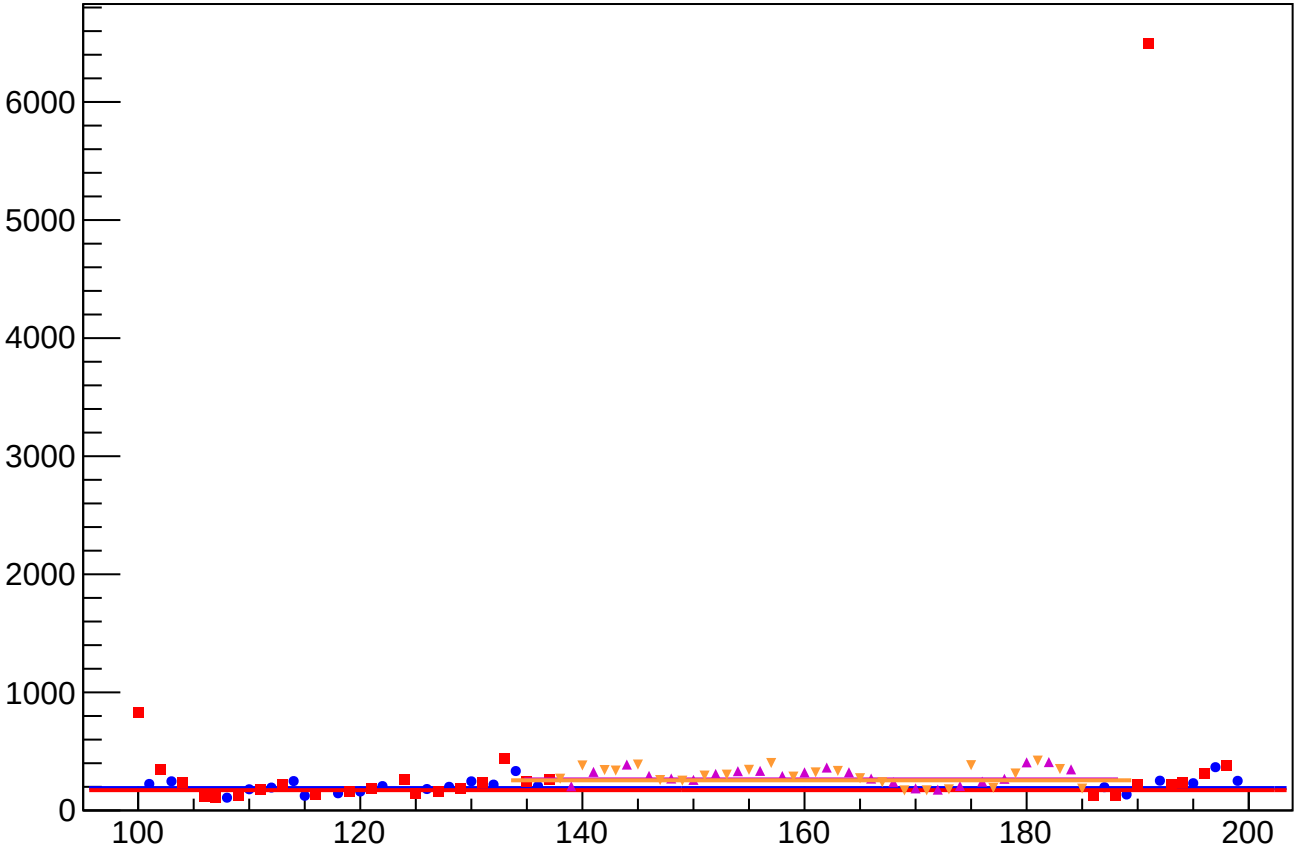
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.043 χ^2/NDF: 44.3/46

All: 0.018+/-0.030 χ^2/NDF: 103.4/96

- sign 0.012+/-0.041 χ^2/NDF: 59.0/49

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 189.609+/-0.042 χ^2/NDF: 1728434.9/21

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

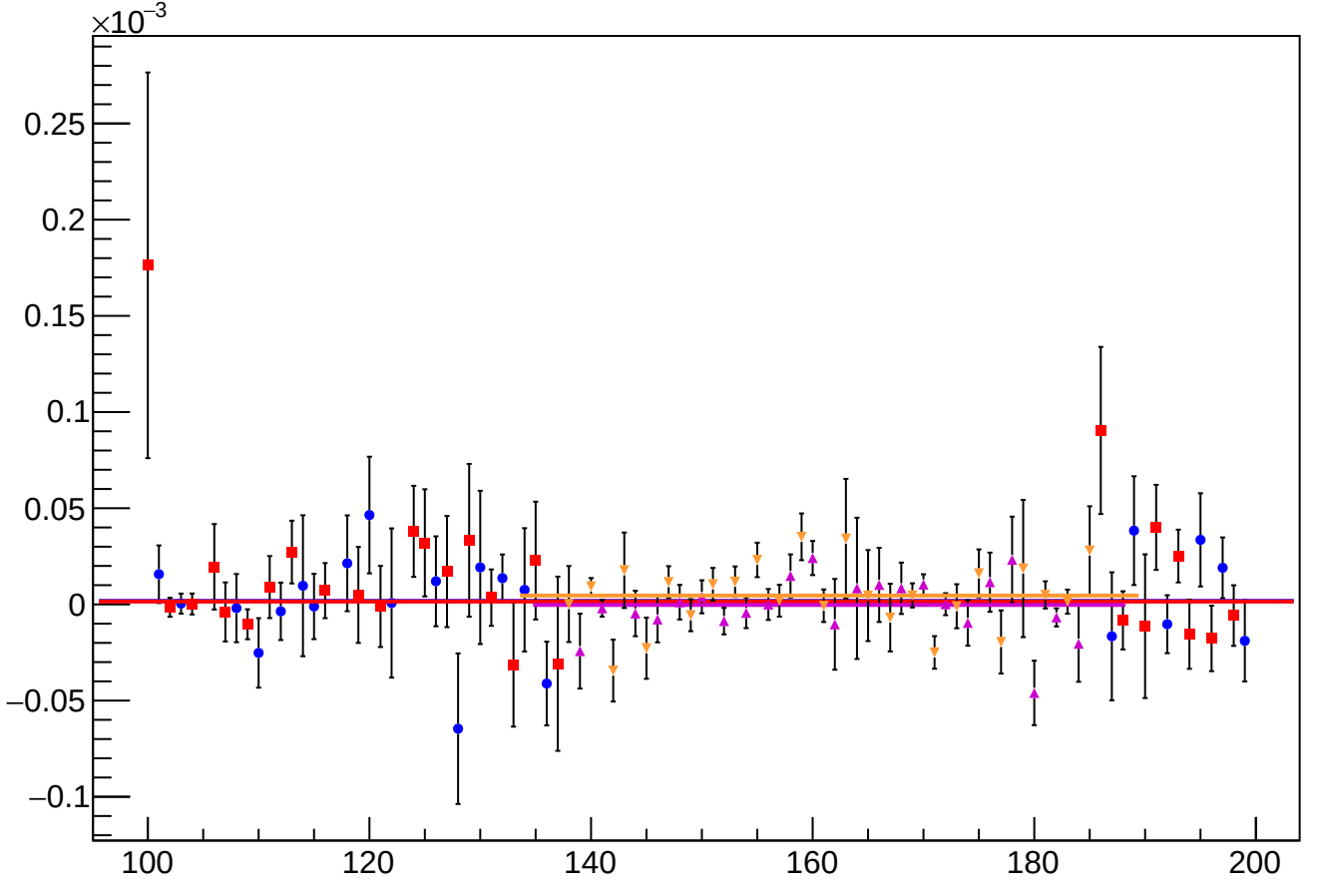
Right Out: 171.965+/-0.038 χ^2/NDF: 2995043.0/26

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

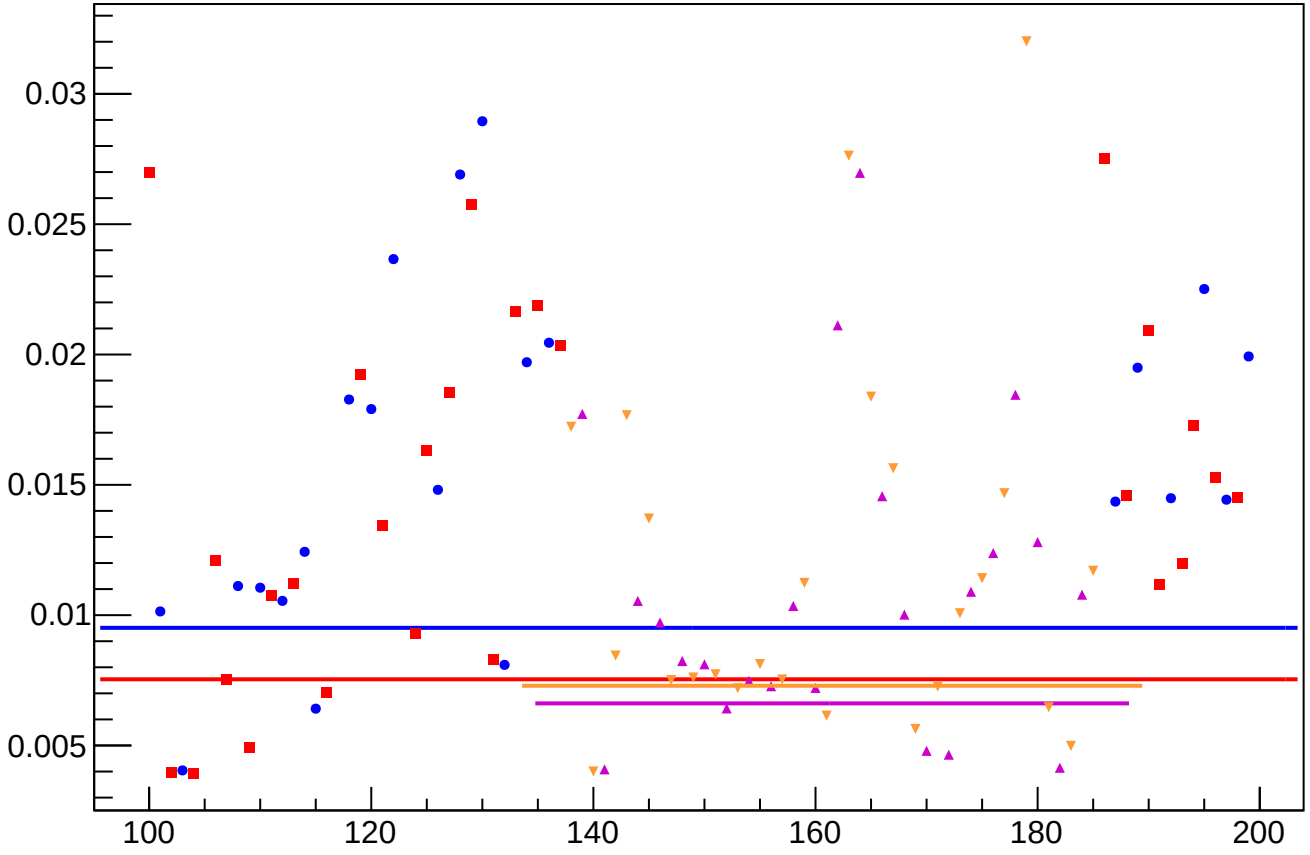
+ sign 221.259+/-0.030 χ^2/NDF: 5832994.7/46

All: 214.845+/-0.021 χ^2/NDF: 13264509.2/96

- 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: 20.8/21
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: 64.7/46
All: 0.000+/-0.000 χ²/NDF: 128.1/96
- sign 0.000+/-0.000 χ²/NDF: 60.7/49

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 6477184.8/21

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7772890.7/26

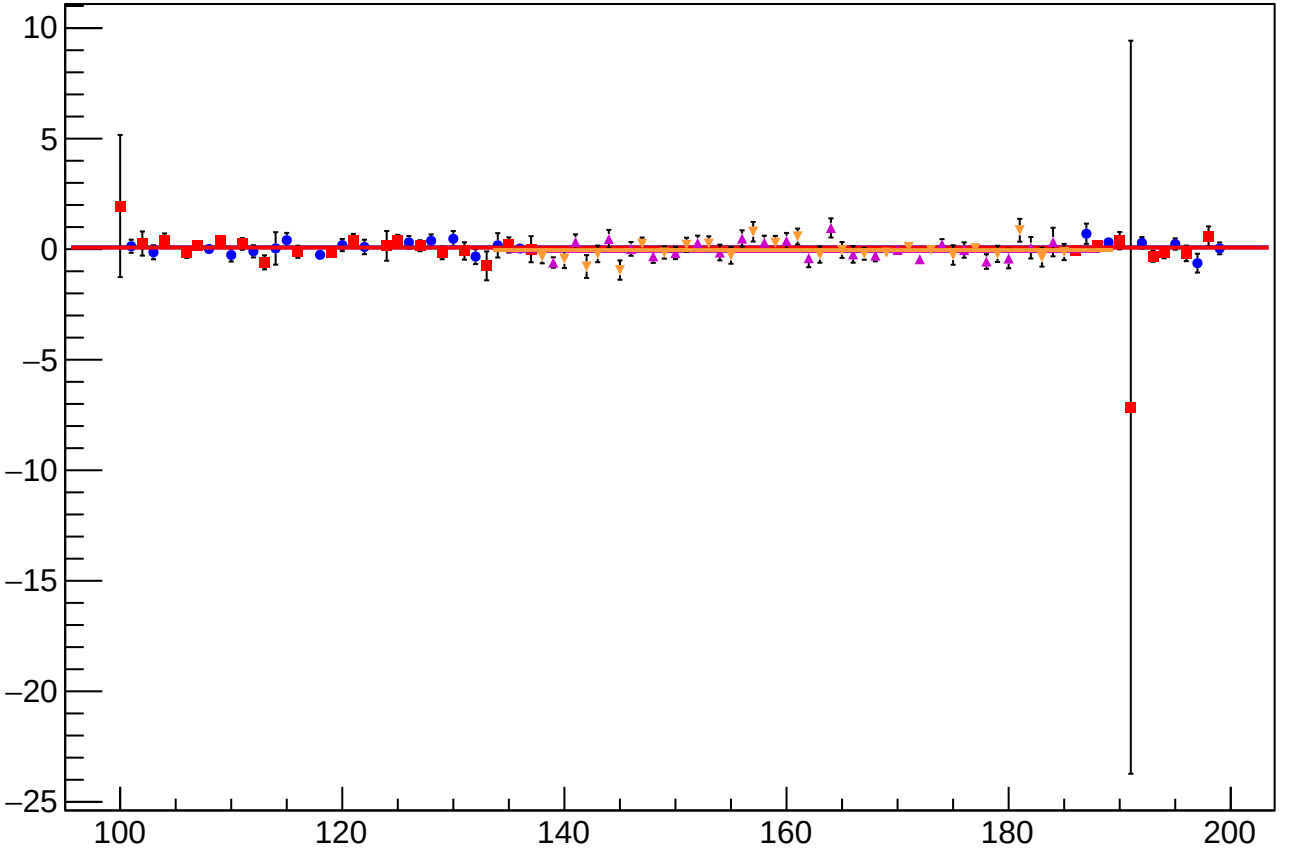
Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 13907327.2/46

All: 0.007+/-0.000 χ^2/NDF: 28593620.5/96

- sign 0.007+/-0.000 χ^2/NDF: 14355495.9/49

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.073+/-0.054 χ^2/NDF: 24.7/26

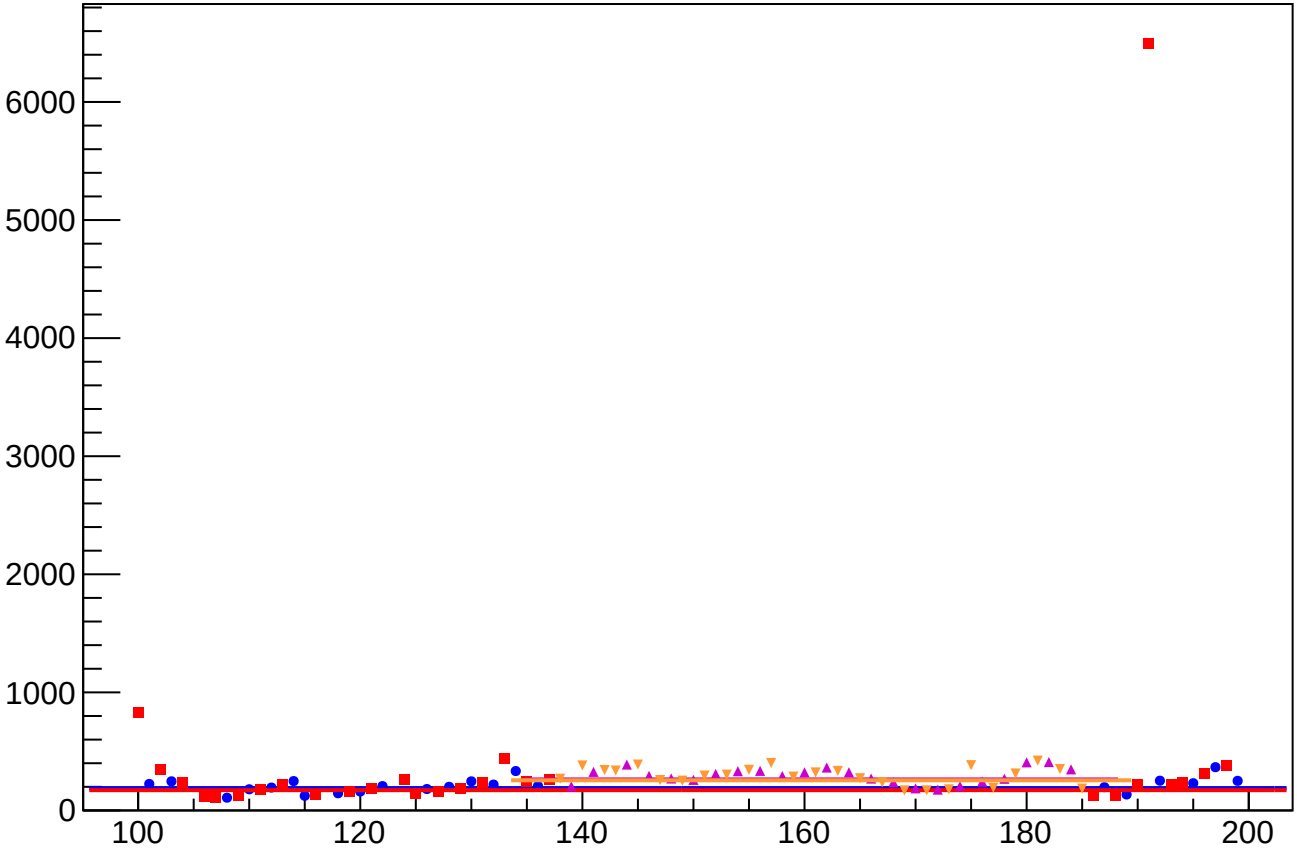
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.043 χ^2/NDF: 44.3/46

All: 0.018+/-0.030 χ^2/NDF: 103.4/96

- sign 0.012+/-0.041 χ^2/NDF: 59.0/49

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 189.609+/-0.042 χ^2/NDF: 1728431.6/21

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

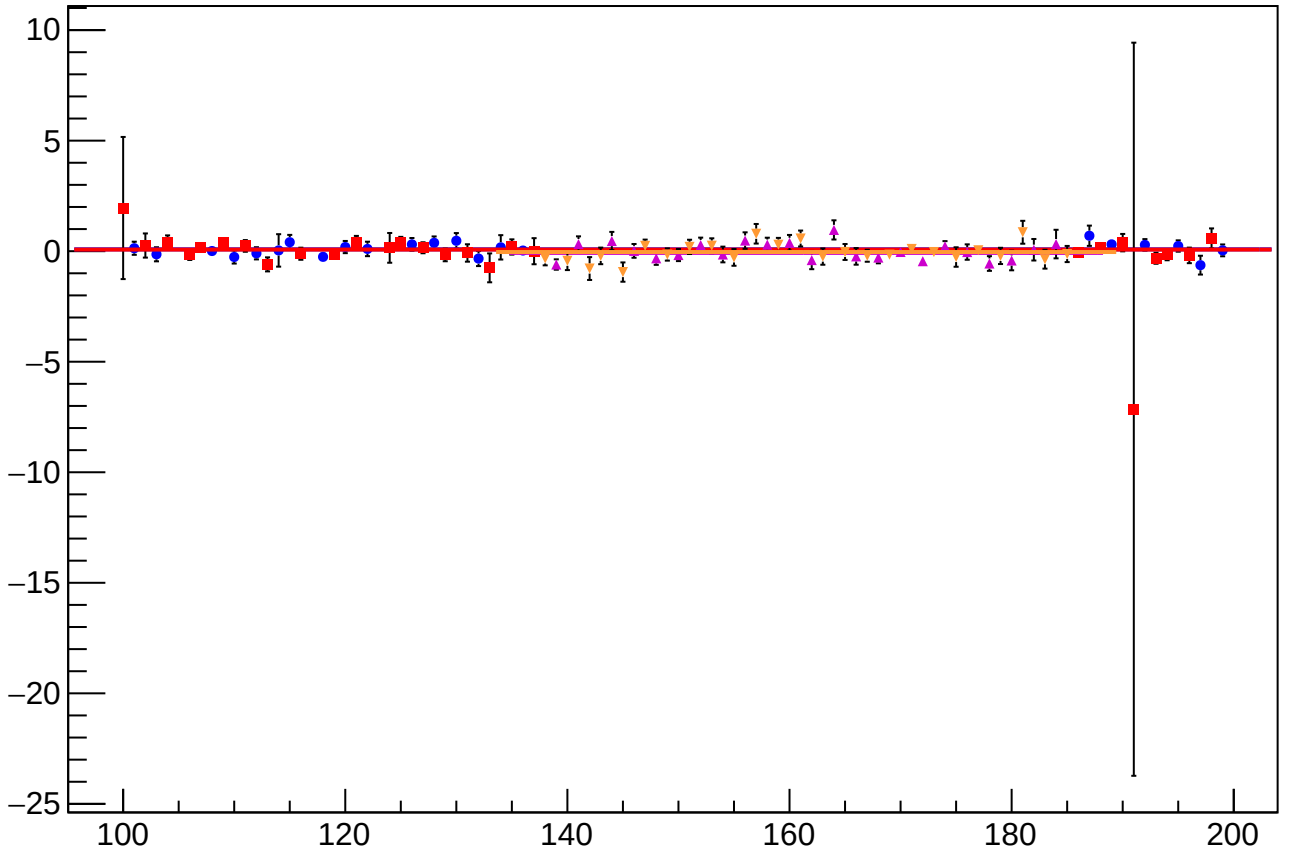
Right Out: 171.966+/-0.038 χ^2/NDF: 2994981.7/26

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 221.260+/-0.030 χ^2/NDF: 5833164.7/46

All: 214.846+/-0.021 χ^2/NDF: 13264660.3/96

- sign 208.897+/-0.029 χ^2/NDF: 7345584.3/49



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

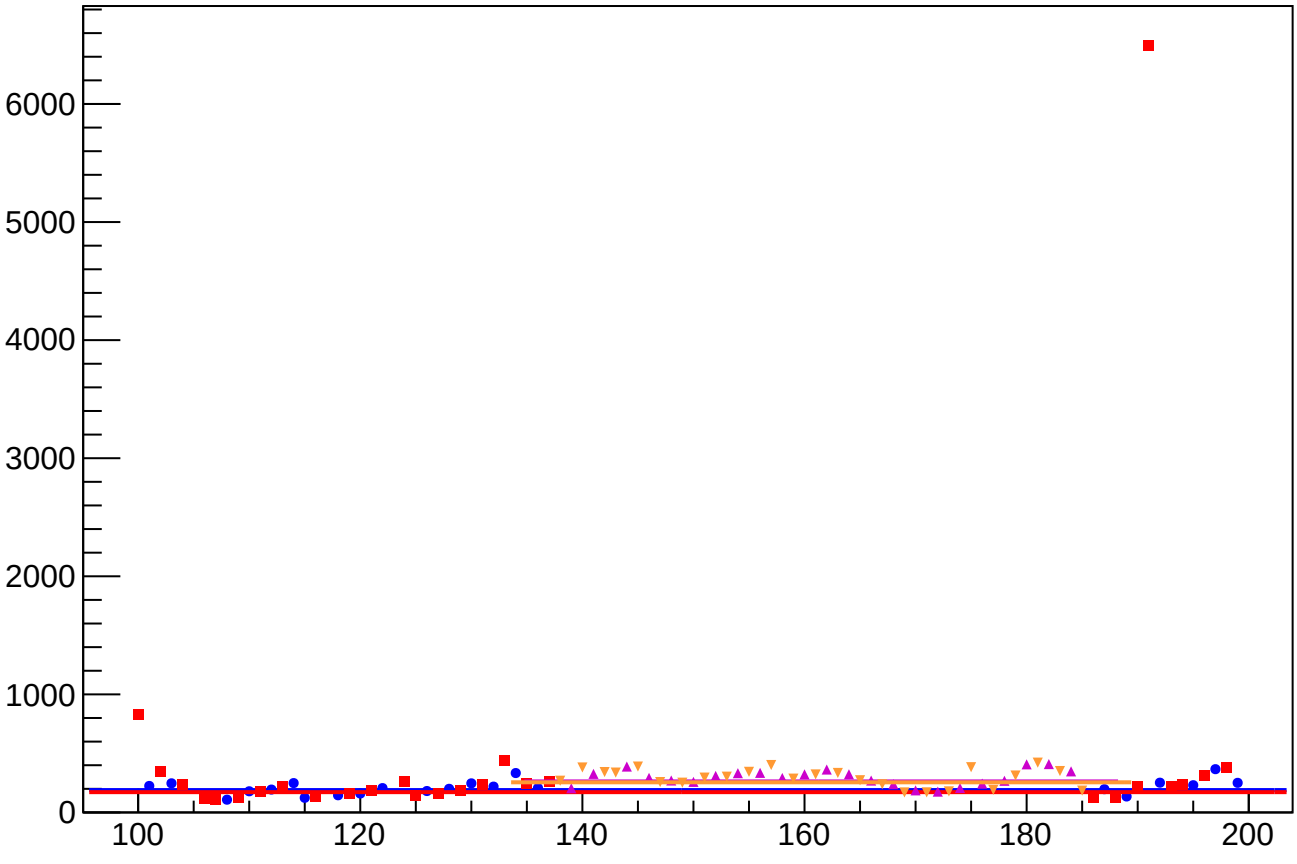
Right Out: 0.073+/-0.054 χ^2/NDF: 24.7/26

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.043 χ^2/NDF: 44.3/46

All: 0.018+/-0.030 χ^2/NDF: 103.4/96

- sign 0.012+/-0.041 χ^2/NDF: 59.0/49



Right In: 189.609+/-0.042 χ^2/NDF: 1728431.6/21

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

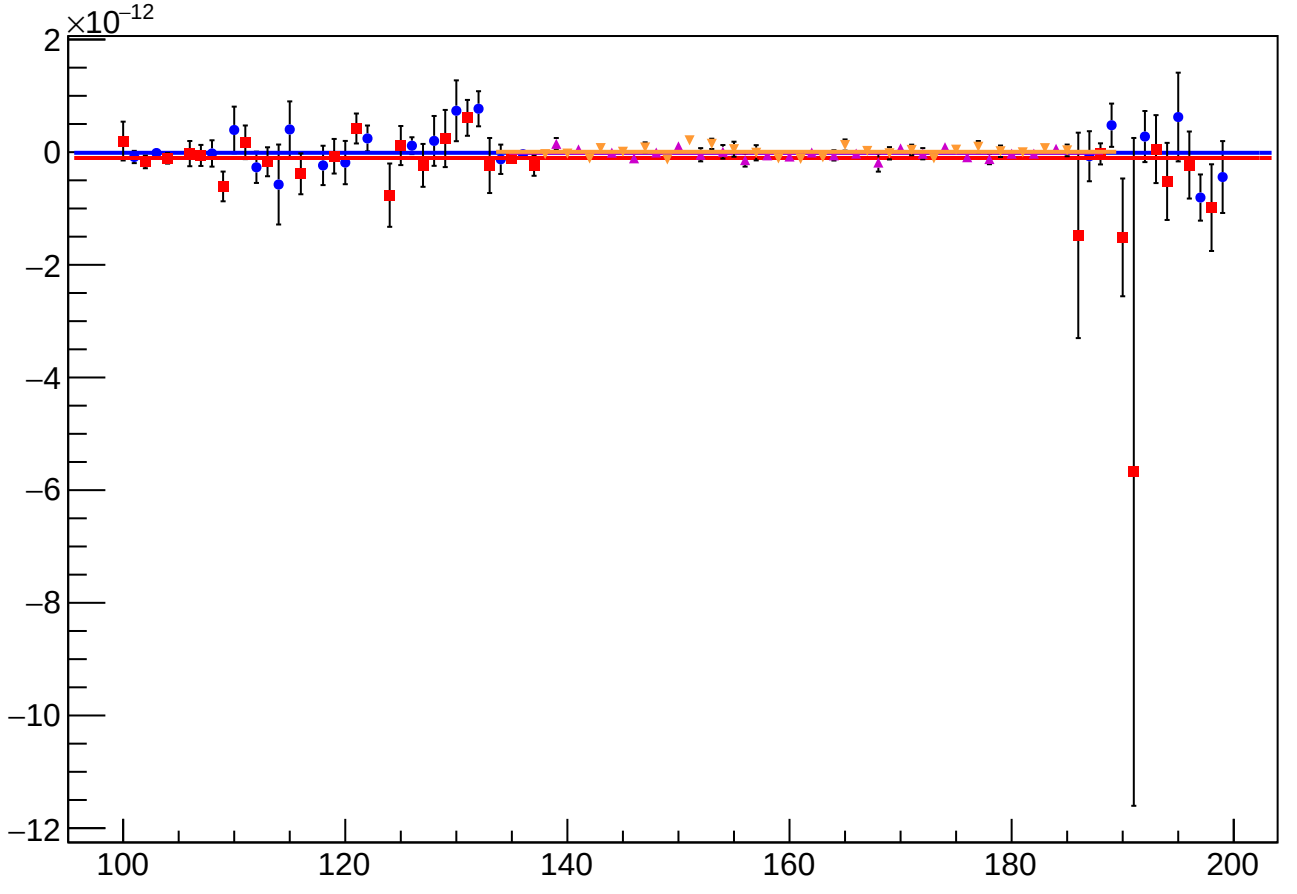
Right Out: 171.966+/-0.038 χ^2/NDF: 2994981.7/26

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 221.260+/-0.030 χ^2/NDF: 5833164.7/46

All: 214.846+/-0.021 χ^2/NDF: 13264660.3/96

- sign 208.897+/-0.029 χ^2/NDF: 7345584.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/26

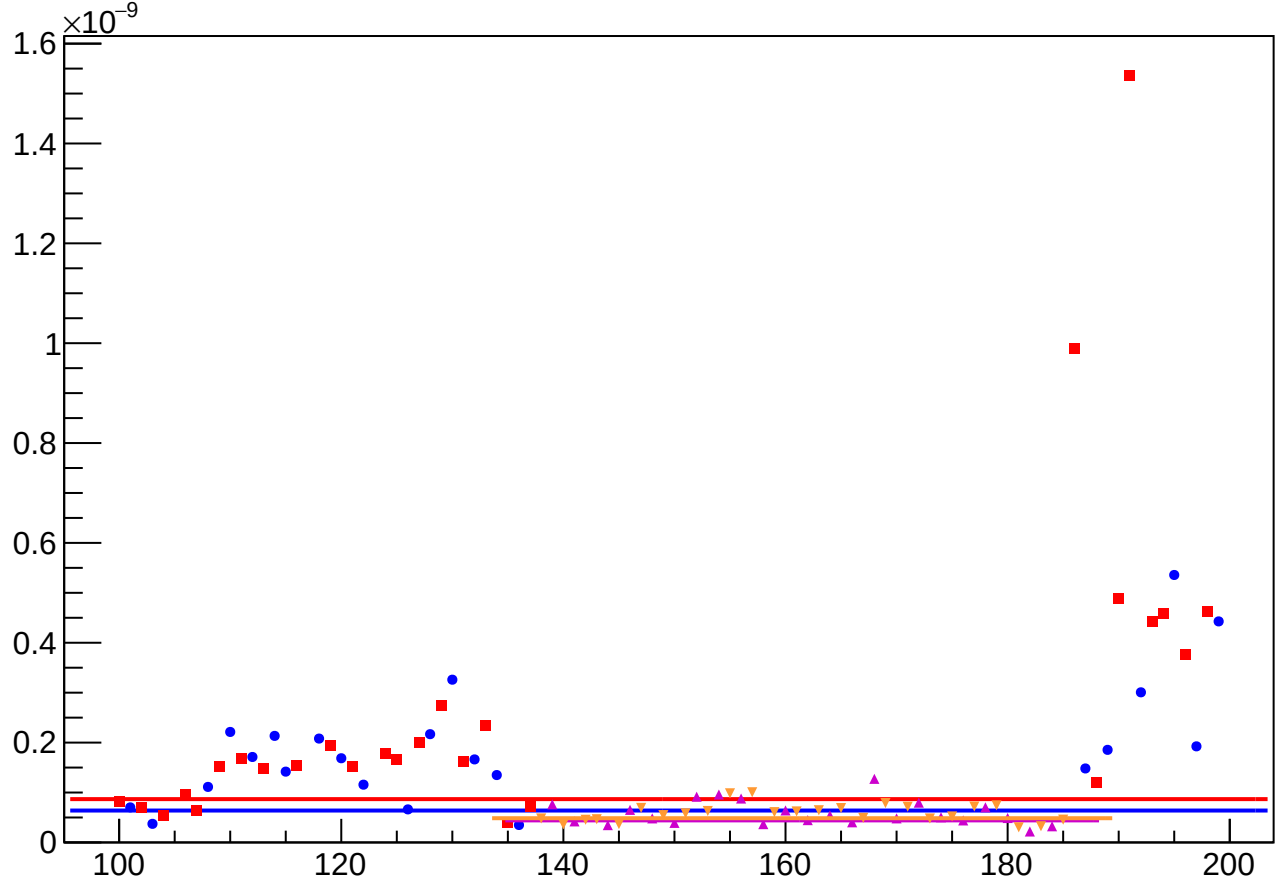
Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.7/46

All: -0.000+/-0.000 χ^2/NDF: 103.8/96

- 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: 5818908.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6020327.7/26

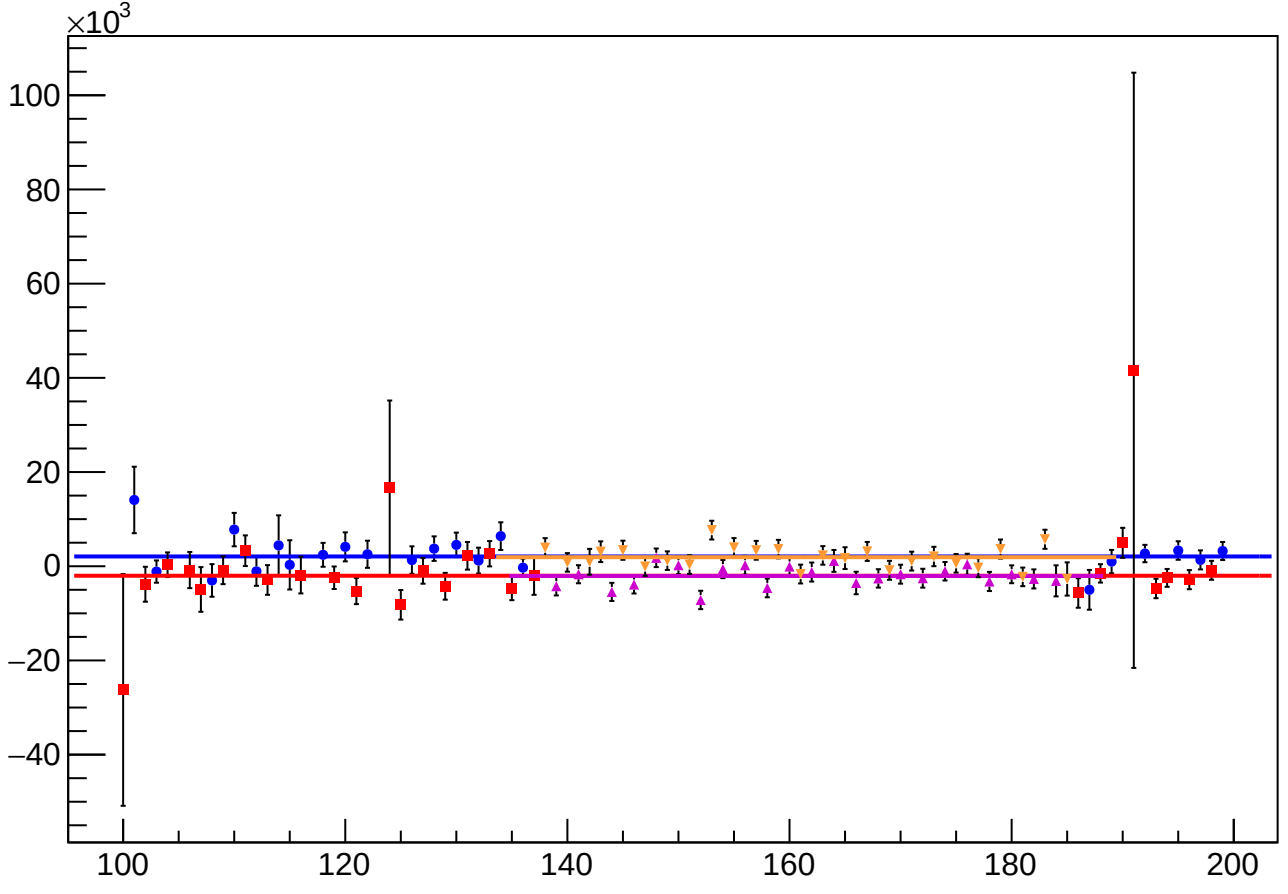
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8648943.1/46

All: 0.000+/-0.000 χ^2/NDF: 20283164.9/96

- sign 0.000+/-0.000 χ^2/NDF: 11606772.0/49

reg_asym_at1_avg_mean vs Slug



Right In: 2077.309+/-565.057 χ^2/NDF: 20.5/21

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2015.377+/-549.601 χ^2/NDF: 27.5/26

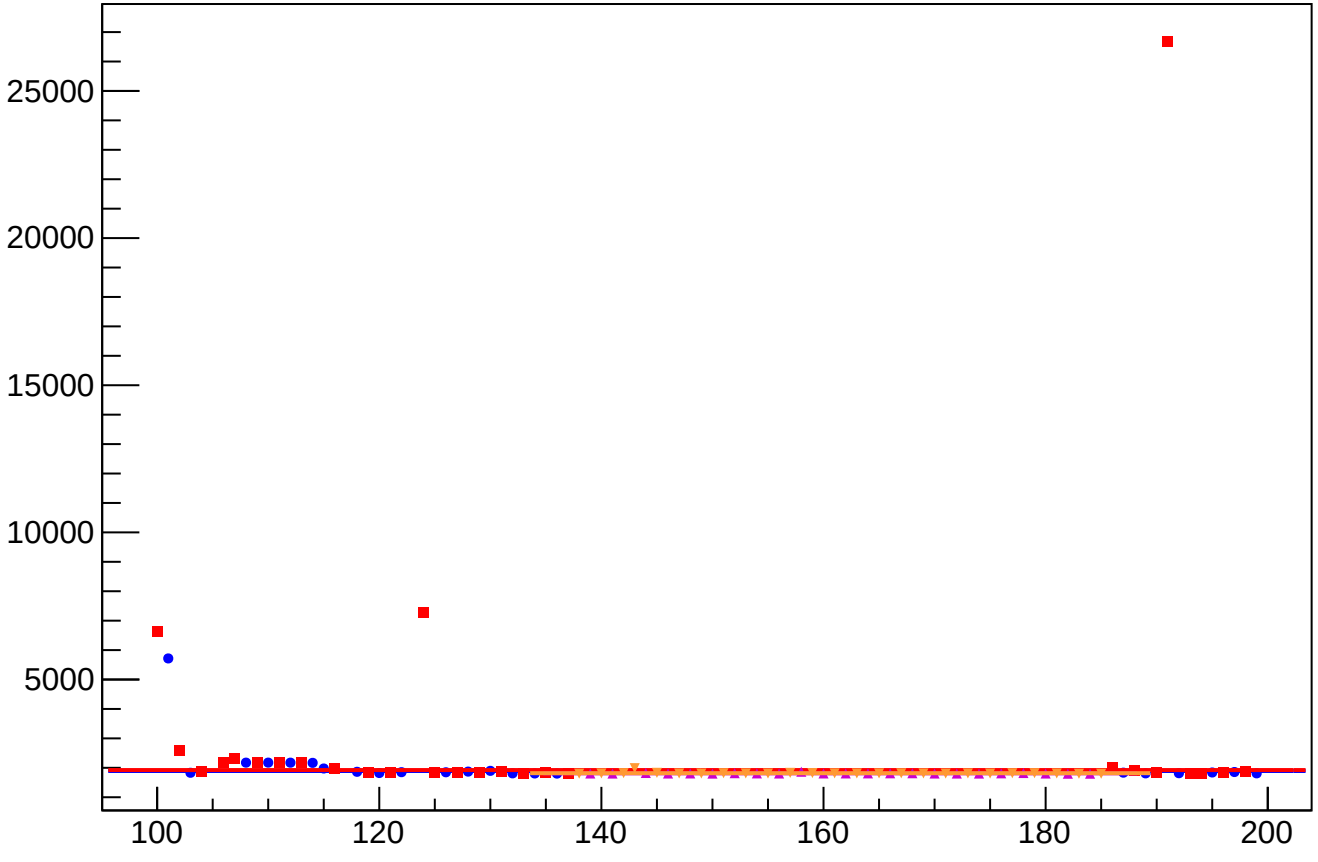
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1975.167+/-333.387 χ^2/NDF: 53.0/46

All: -26.969+/-236.418 χ^2/NDF: 179.7/96

- sign -2052.308+/-335.313 χ^2/NDF: 54.1/49

reg_asym_at1_avg_rms vs Slug



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

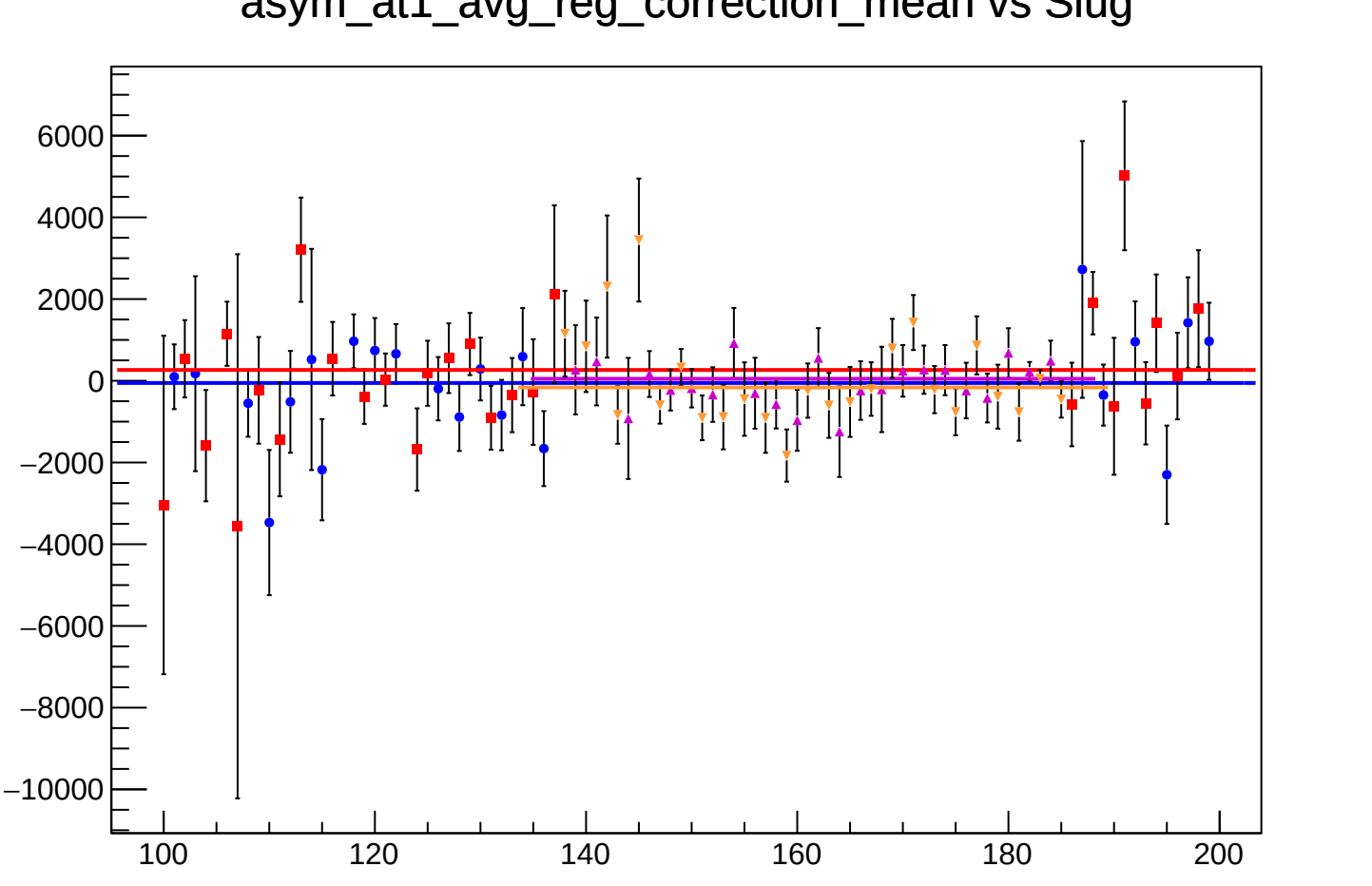
Right Out: 1923.598+/-0.389 χ^2/NDF: 717804.0/26

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1843.642+/-0.236 χ^2/NDF: 692782.7/46

All: 1848.732+/-0.167 χ^2/NDF: 1464799.9/96

- sign 1853.882+/-0.237 χ^2/NDF: 771079.4/49



Right In: -53.508+/-202.563 χ^2/NDF: 25.4/21

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 265.060+/-193.584 χ^2/NDF: 35.5/26

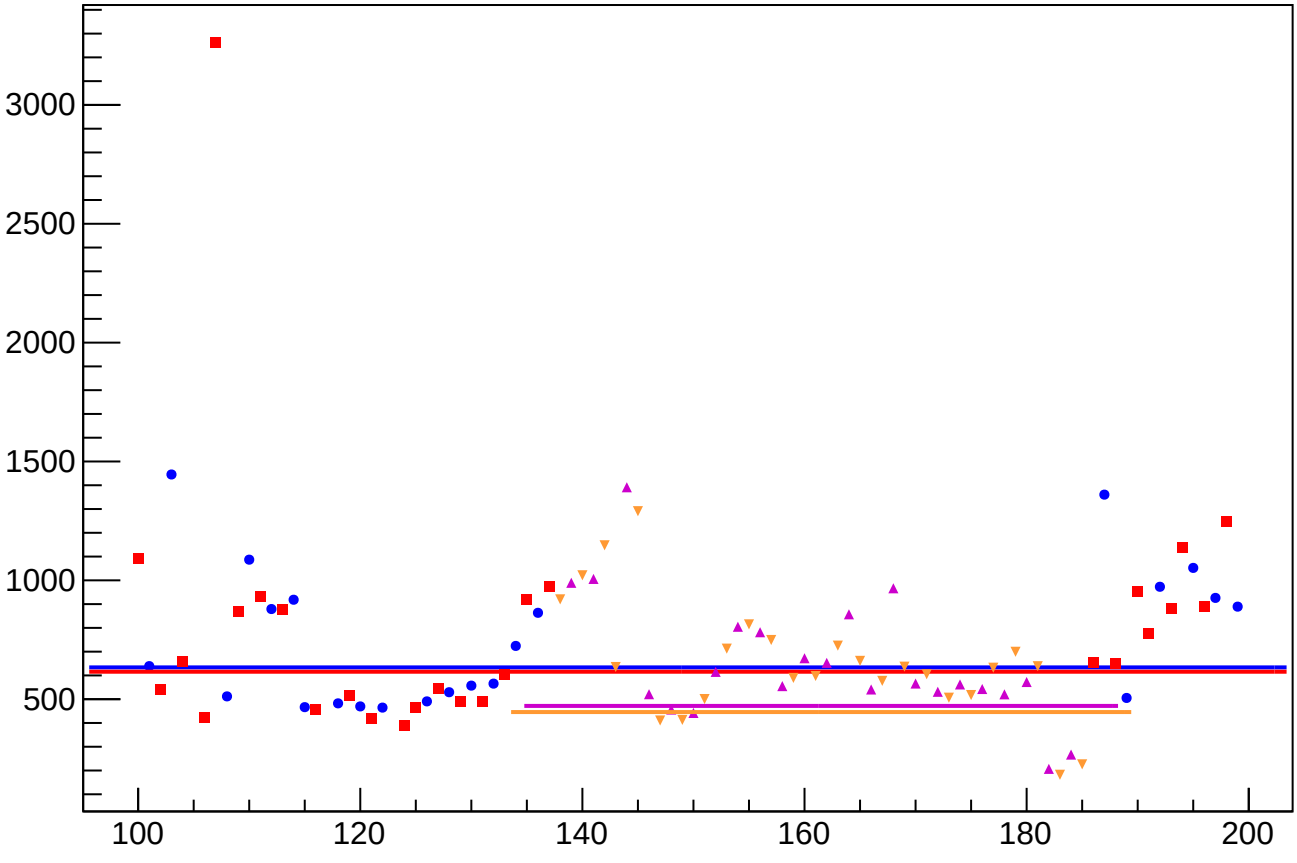
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -136.205+/-100.201 χ^2/NDF: 62.5/46

All: -16.700+/-72.035 χ^2/NDF: 113.1/96

- sign 111.124+/-103.631 χ^2/NDF: 47.7/49

asym_at1_avg_reg_correction_rms vs Slug



Right In: 633.791+/-0.143 χ^2/NDF: 2037962.6/21

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 615.601+/-0.137 χ^2/NDF: 2636527.8/26

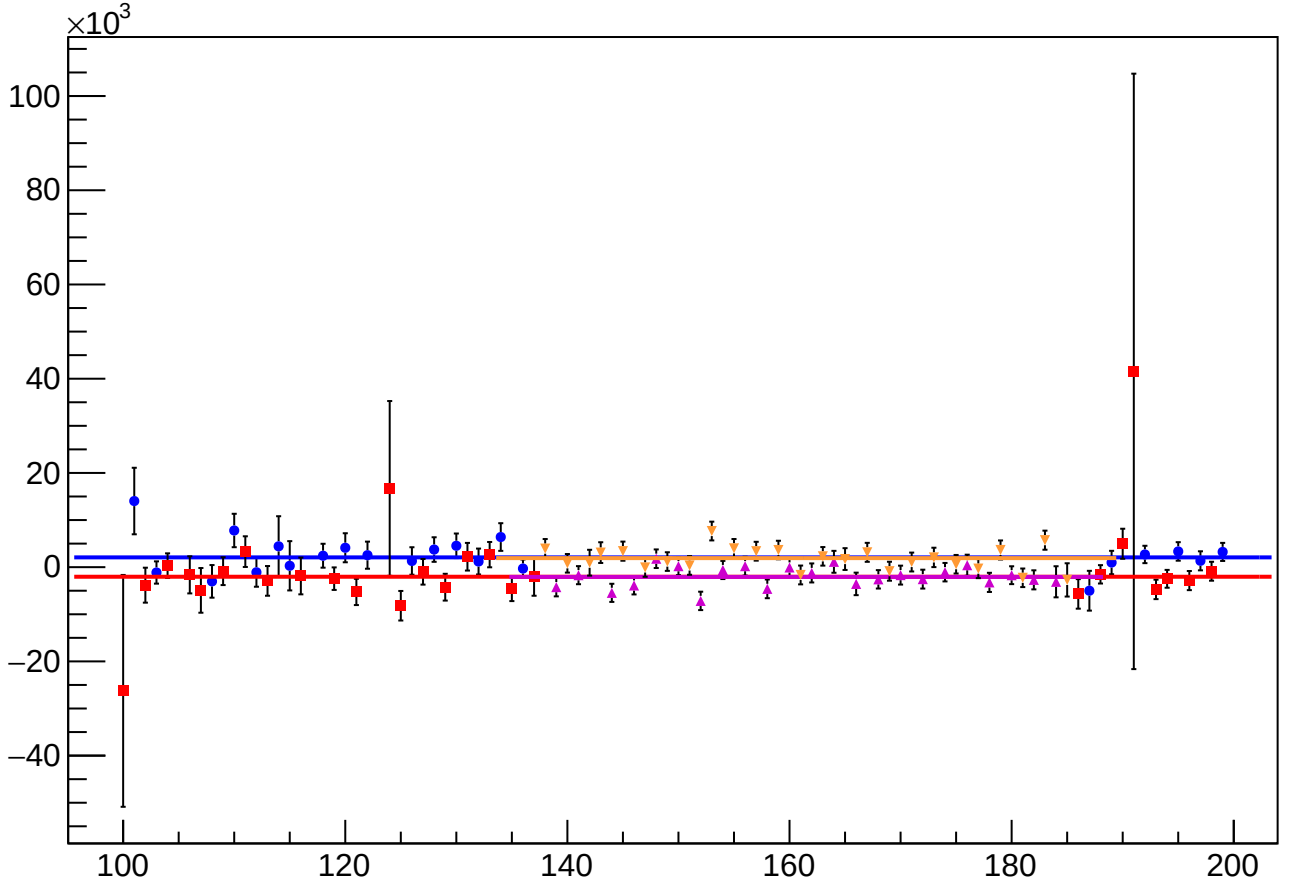
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 491.871+/-0.071 χ^2/NDF: 11320220.8/46

All: 502.066+/-0.051 χ^2/NDF: 21201444.5/96

- sign 512.971+/-0.073 χ^2/NDF: 9838372.6/49

cor_asym_at1_avg_mean vs Slug



Right In: 2077.159+/-565.057 χ^2/NDF: 20.5/21

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2032.727+/-549.870 χ^2/NDF: 27.4/26

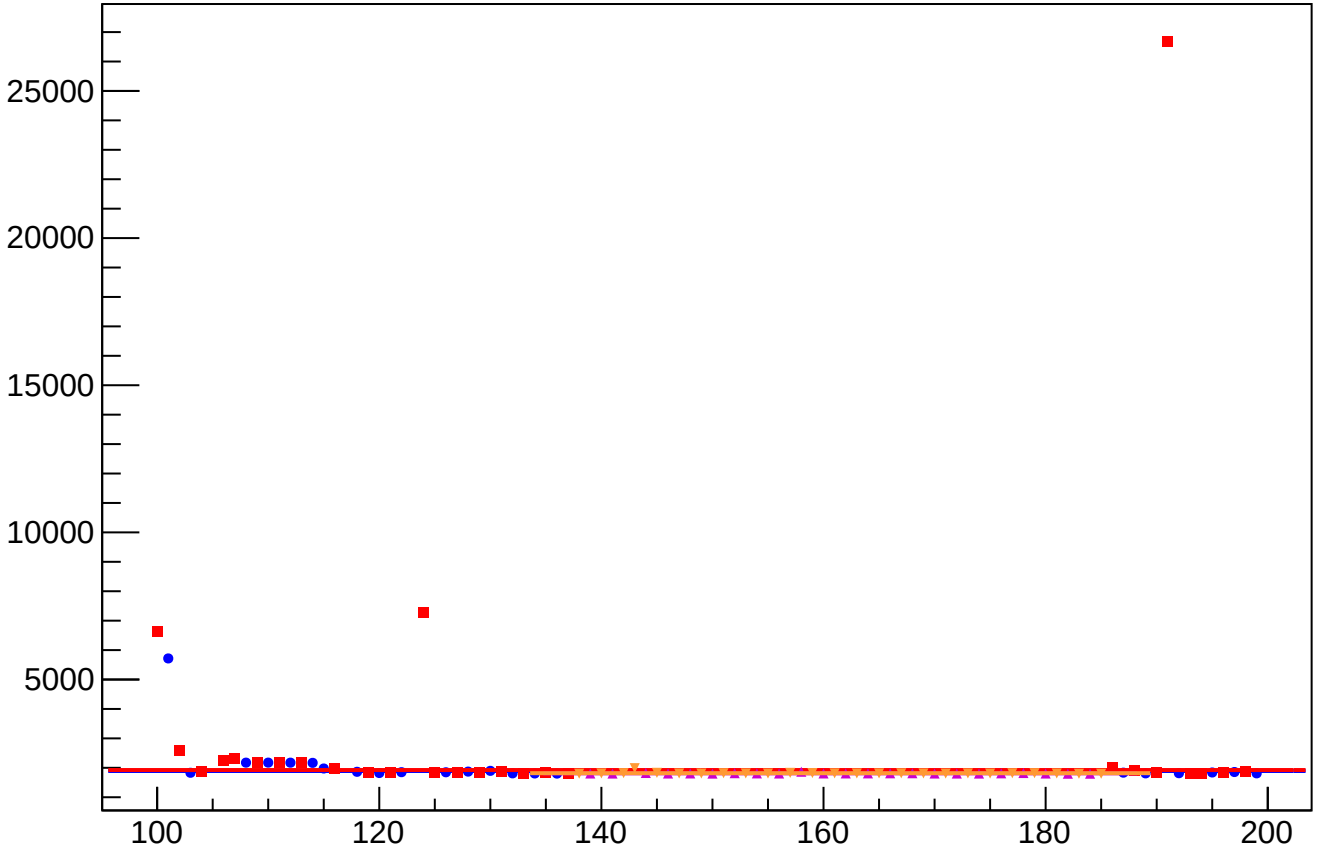
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1975.091+/-333.387 χ^2/NDF: 53.0/46

All: -29.886+/-236.440 χ^2/NDF: 179.8/96

- sign -2058.839+/-335.374 χ^2/NDF: 54.0/49

cor_asym_at1_avg_rms vs Slug



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1924.325+/-0.389 χ^2/NDF: 721190.0/26

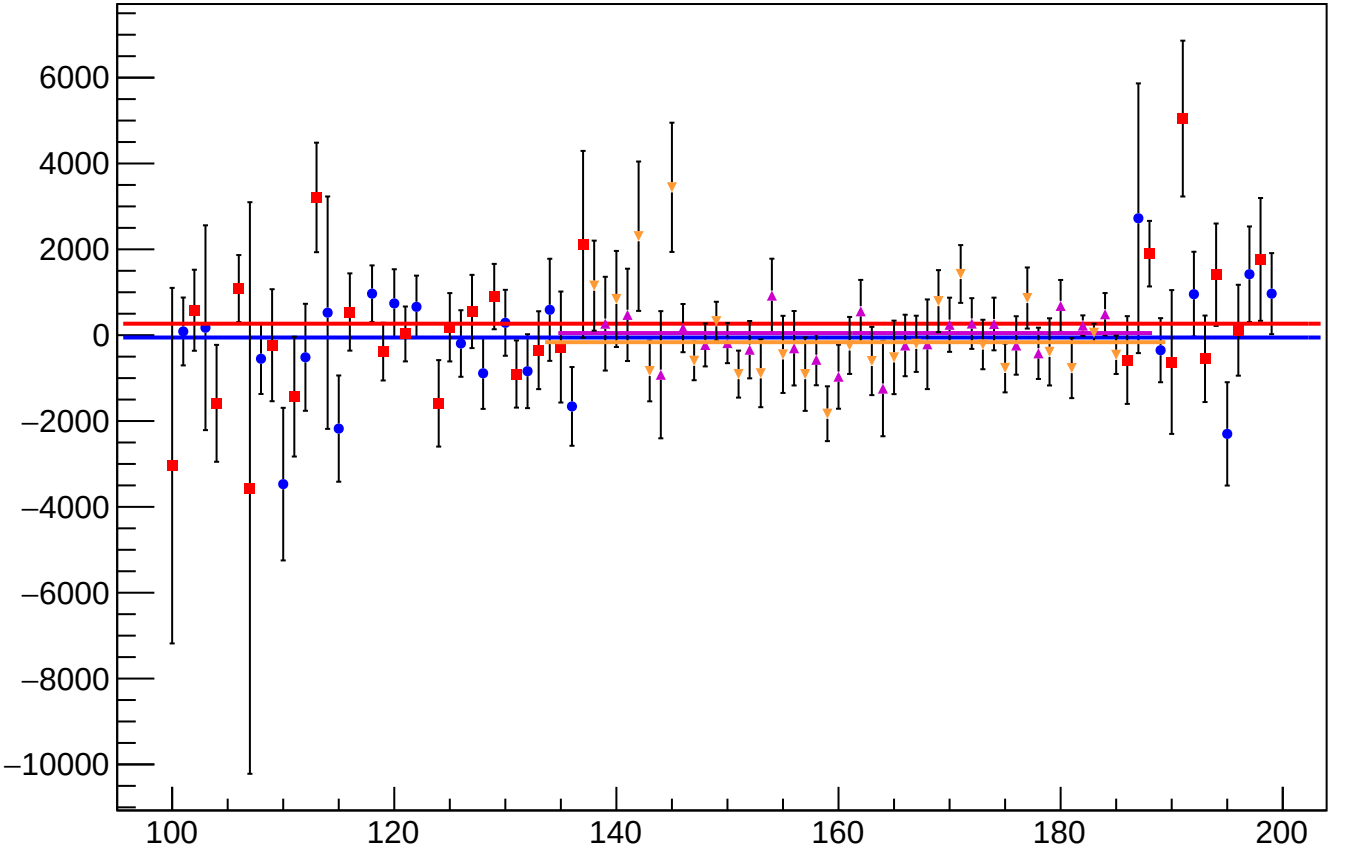
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1843.642+/-0.236 χ^2/NDF: 692782.6/46

All: 1848.853+/-0.167 χ^2/NDF: 1468872.8/96

- sign 1854.127+/-0.237 χ^2/NDF: 775107.1/49

asym_at1_avg_cor_correction_mean vs Slug



Right In: -54.155+/-202.530 χ^2/NDF: 25.4/21

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 267.634+/-193.485 χ^2/NDF: 35.1/26

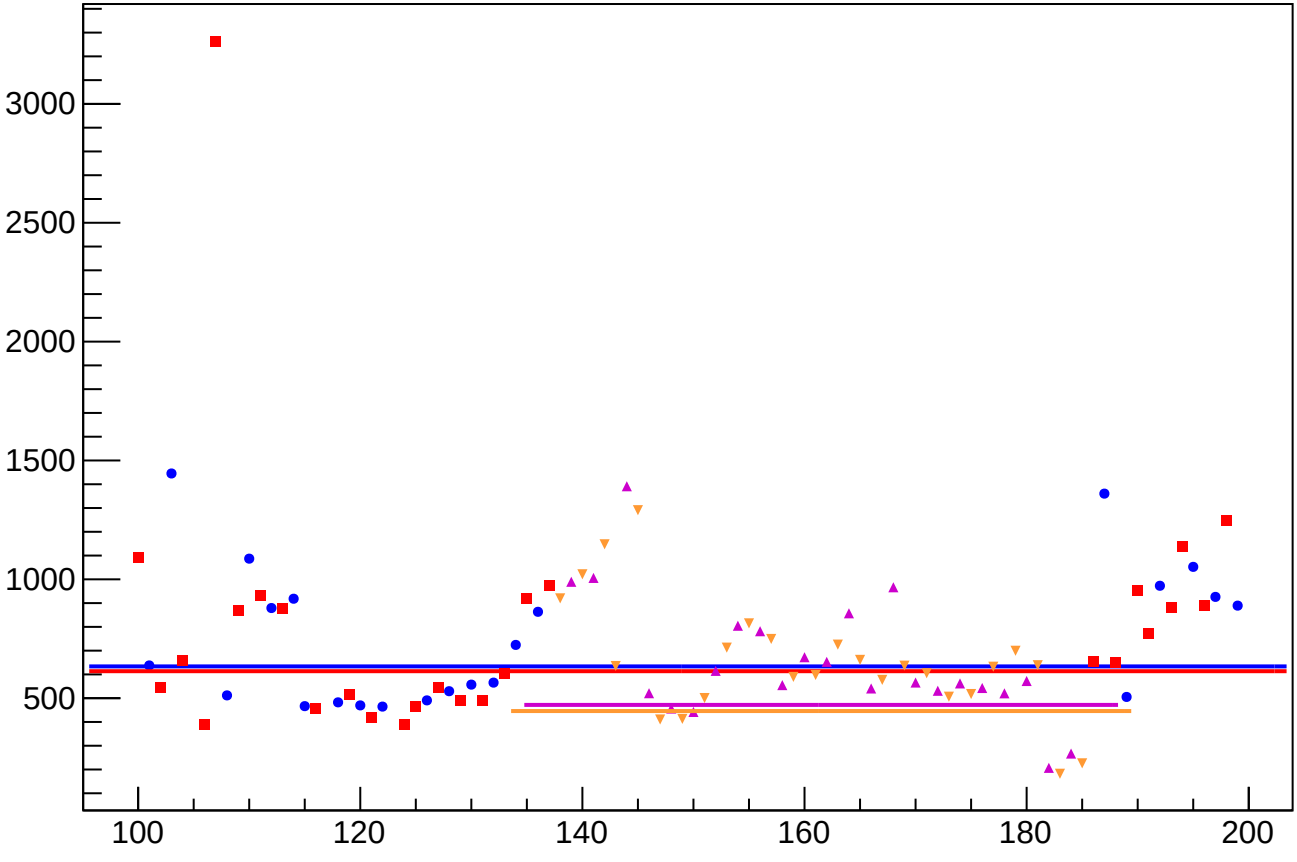
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -136.294+/-100.195 χ^2/NDF: 62.5/46

All: -16.352+/-72.028 χ^2/NDF: 112.8/96

- sign 111.923+/-103.617 χ^2/NDF: 47.4/49

asym_at1_avg_cor_correction_rms vs Slug



Right In: 633.704+/-0.143 χ^2/NDF: 2037989.3/21

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 613.543+/-0.137 χ^2/NDF: 2682587.4/26

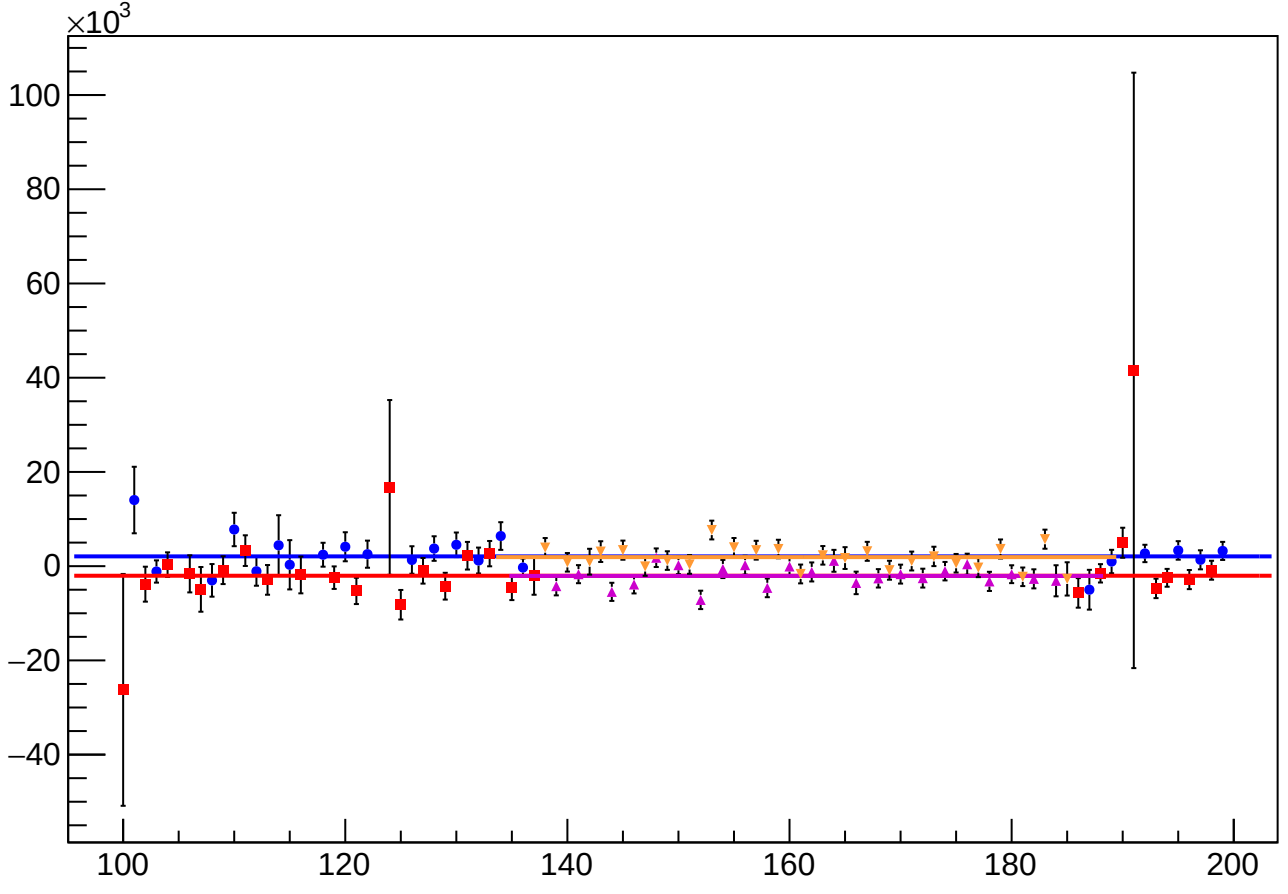
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 491.839+/-0.071 χ^2/NDF: 11321148.8/46

All: 501.784+/-0.051 χ^2/NDF: 21224177.0/96

- sign 512.420+/-0.073 χ^2/NDF: 9862249.6/49

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2077.159+/-565.057 χ^2/NDF: 20.5/21

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2032.727+/-549.870 χ^2/NDF: 27.4/26

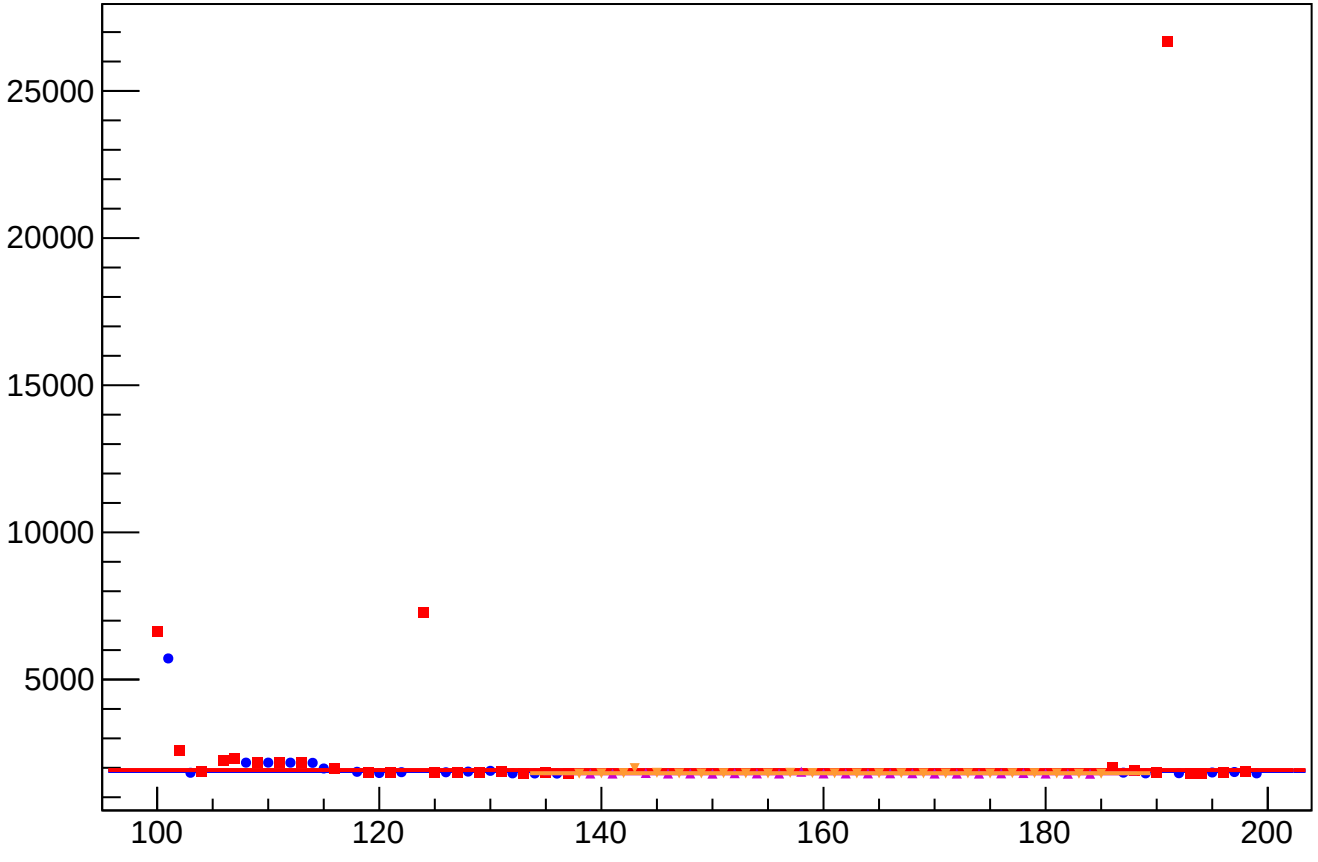
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1975.091+/-333.387 χ^2/NDF: 53.0/46

All: -29.886+/-236.440 χ^2/NDF: 179.8/96

- sign -2058.839+/-335.374 χ^2/NDF: 54.0/49

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

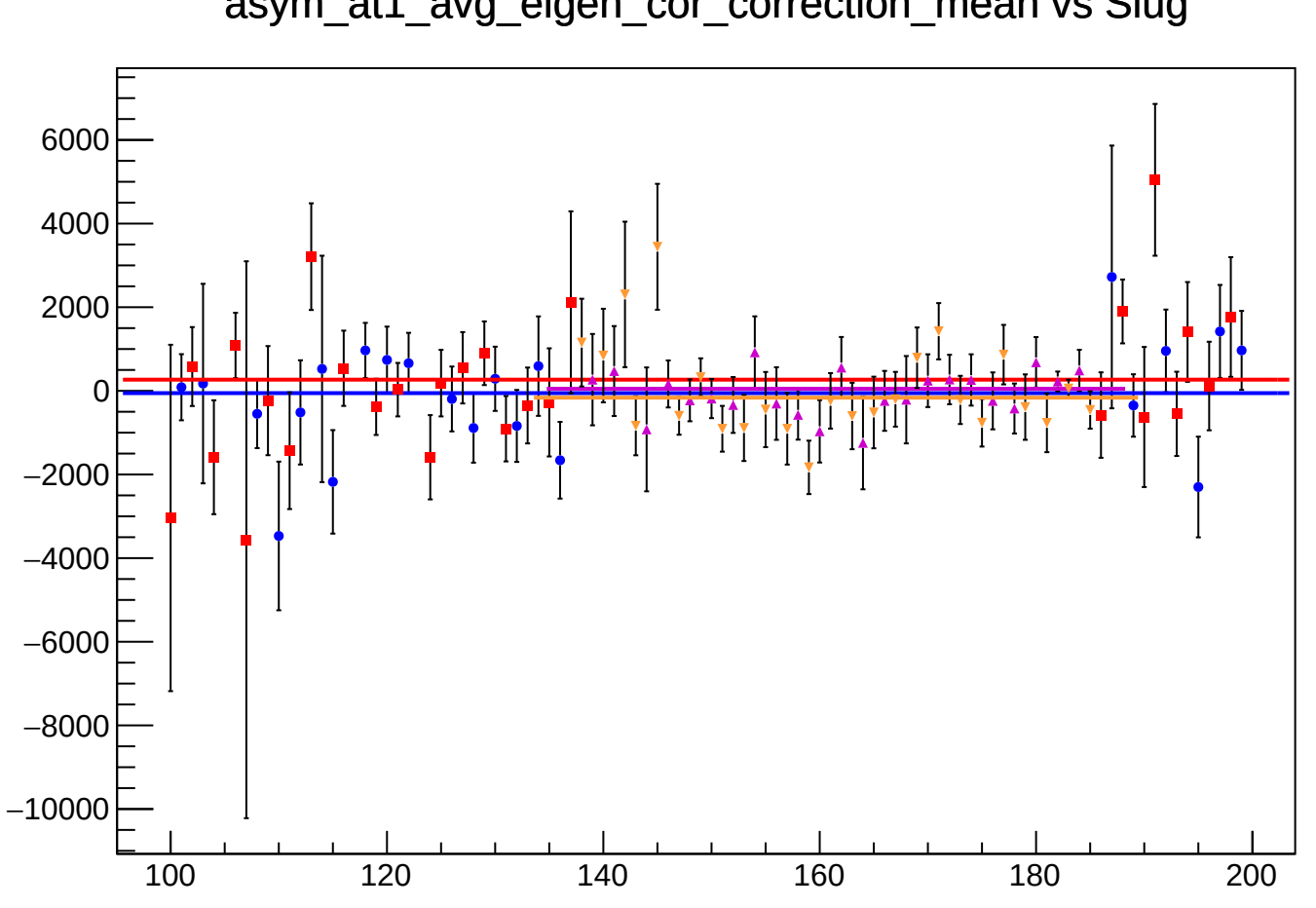
Right Out: 1924.325+/-0.389 χ^2/NDF: 721190.0/26

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1843.642+/-0.236 χ^2/NDF: 692782.6/46

All: 1848.853+/-0.167 χ^2/NDF: 1468872.8/96

- sign 1854.127+/-0.237 χ^2/NDF: 775107.1/49



Right In: -54.155+/-202.530 χ^2/NDF: 25.4/21

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 267.634+/-193.485 χ^2/NDF: 35.1/26

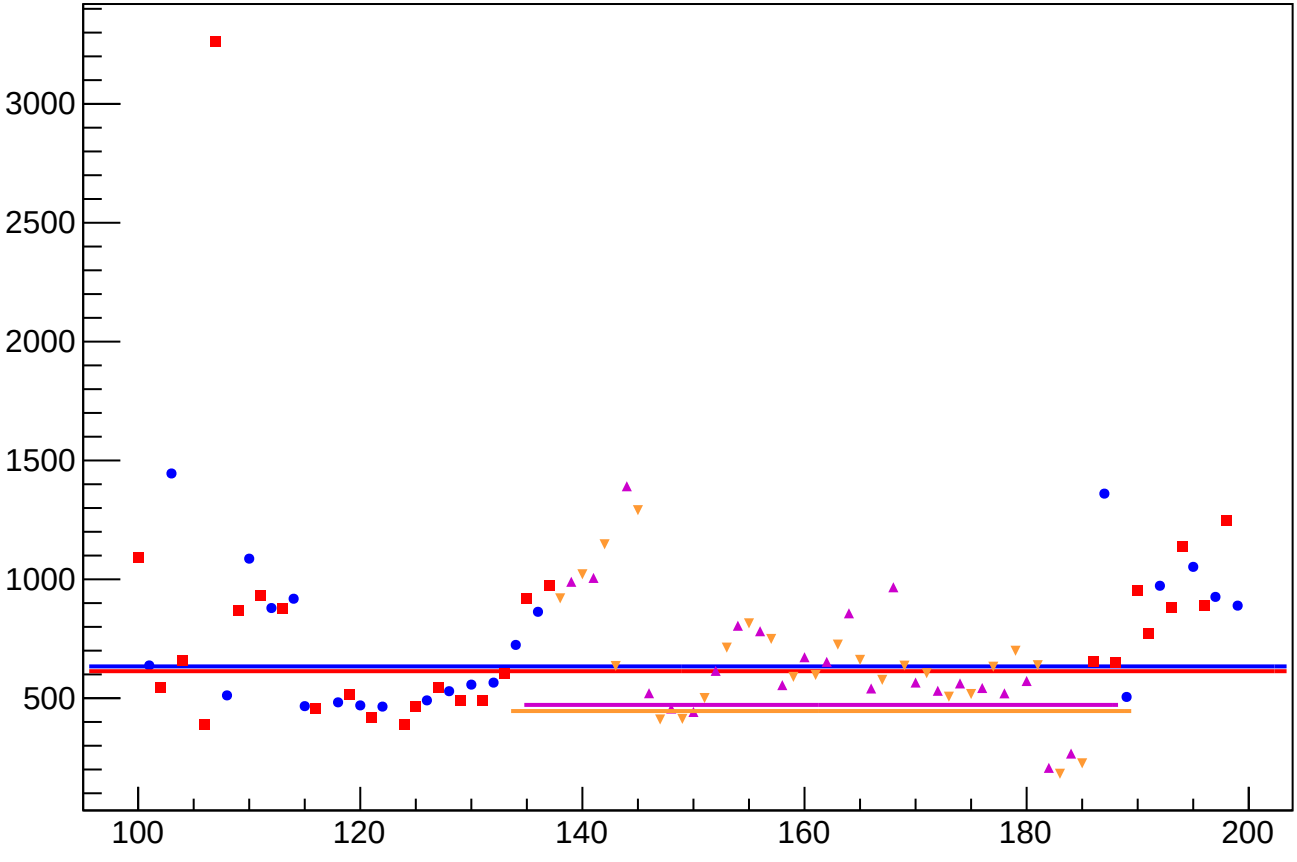
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -136.294+/-100.195 χ^2/NDF: 62.5/46

All: -16.352+/-72.028 χ^2/NDF: 112.8/96

- sign 111.923+/-103.617 χ^2/NDF: 47.4/49

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 633.704+/-0.143 χ^2/NDF: 2037989.3/21

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

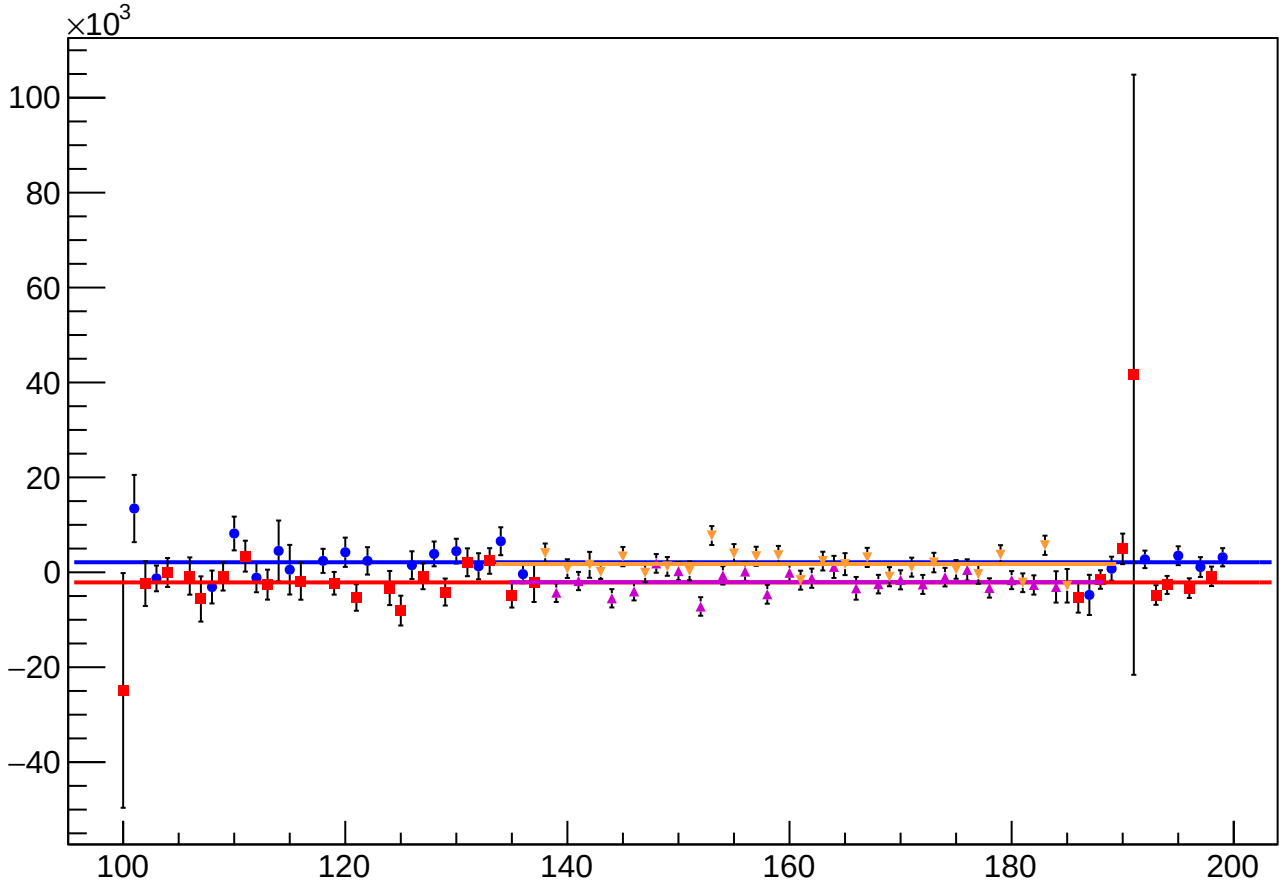
Right Out: 613.543+/-0.137 χ^2/NDF: 2682587.4/26

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 491.839+/-0.071 χ^2/NDF: 11321148.8/46

All: 501.784+/-0.051 χ^2/NDF: 21224177.0/96

- sign 512.420+/-0.073 χ^2/NDF: 9862249.6/49



Right In: 2119.295+/-572.204 χ^2/NDF: 20.6/21

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2125.019+/-551.850 χ^2/NDF: 25.7/26

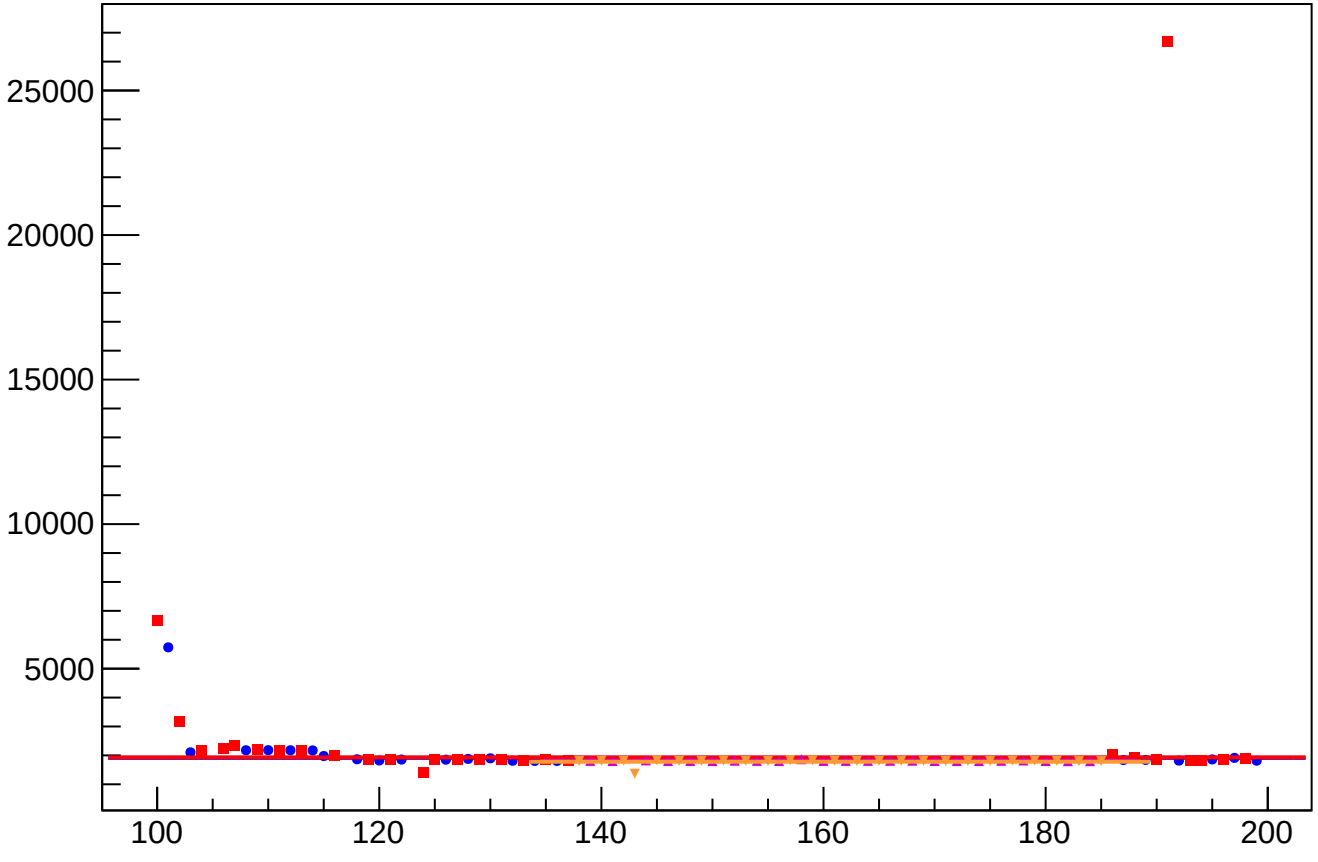
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1877.077+/-330.793 χ^2/NDF: 54.6/46

All: -76.486+/-235.741 χ^2/NDF: 178.2/96

- sign -2092.566+/-336.044 χ^2/NDF: 52.7/49

dit_asym_at1_avg_rms vs Slug



Right In: 1915.913+/-0.405 χ^2/NDF: 662974.5/21

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

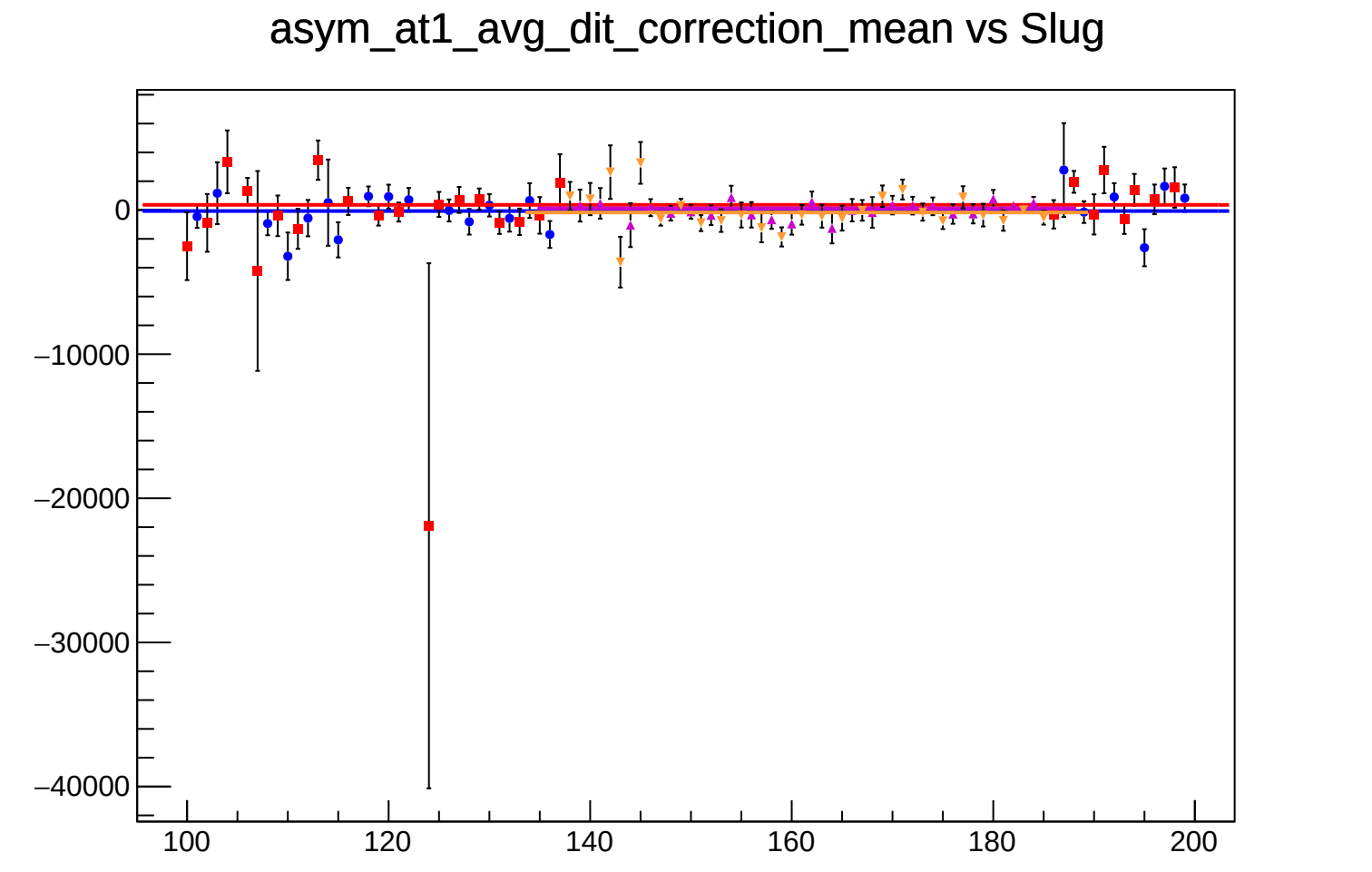
Right Out: 1929.617+/-0.390 χ^2/NDF: 678731.1/26

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.031+/-0.234 χ^2/NDF: 902032.0/46

All: 1841.343+/-0.167 χ^2/NDF: 1646386.6/96

- sign 1857.145+/-0.238 χ^2/NDF: 735646.5/49



Right In: -70.292+/-207.888 χ^2/NDF: 26.0/21

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 358.496+/-204.757 χ^2/NDF: 30.9/26

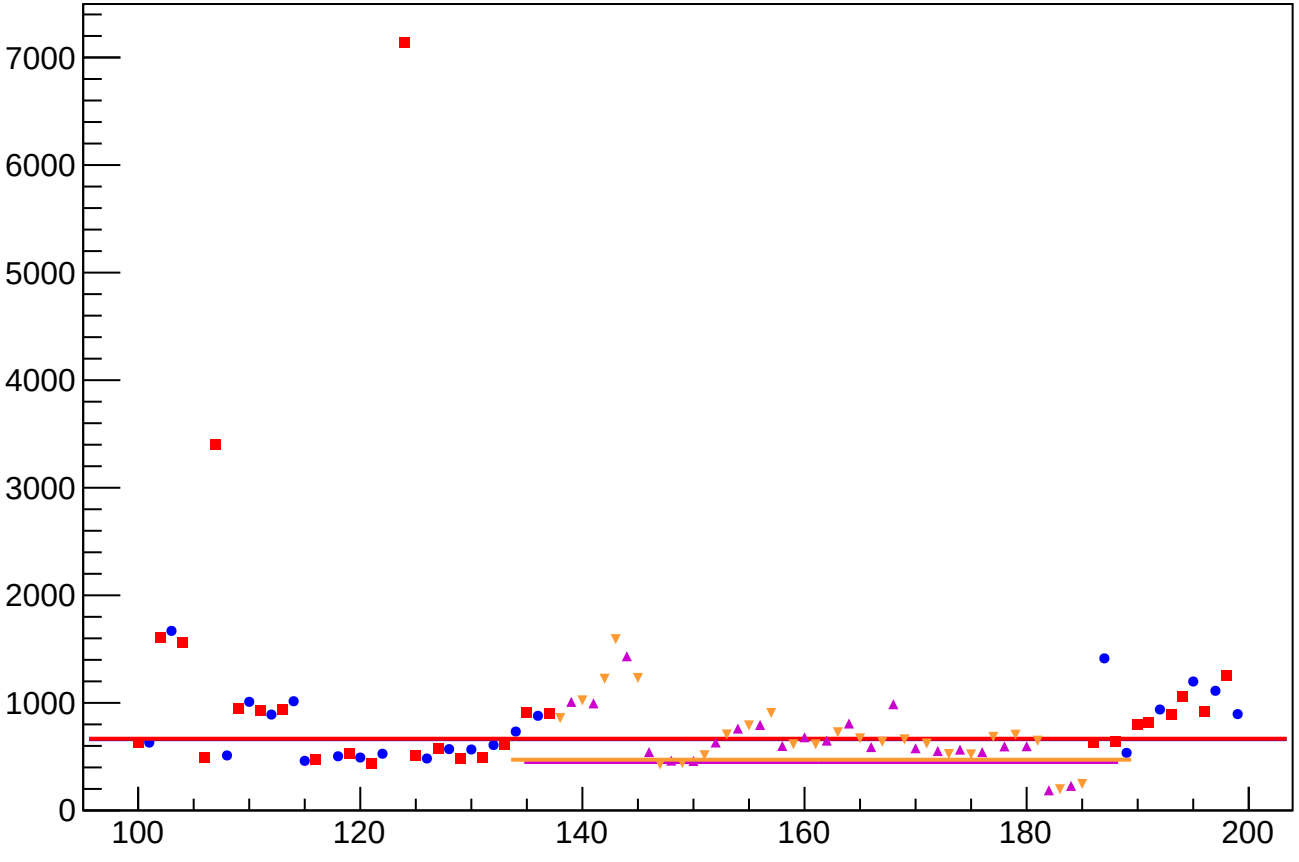
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

\+ sign -143.015+/-104.981 χ^2/NDF: 64.5/46

All: 20.320+/-73.661 χ^2/NDF: 113.5/96

\- sign 178.722+/-103.384 χ^2/NDF: 44.3/49

asym_at1_avg_dit_correction_rms vs Slug



Right In: 662.936+/-0.147 χ^2/NDF: 2341872.5/21

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

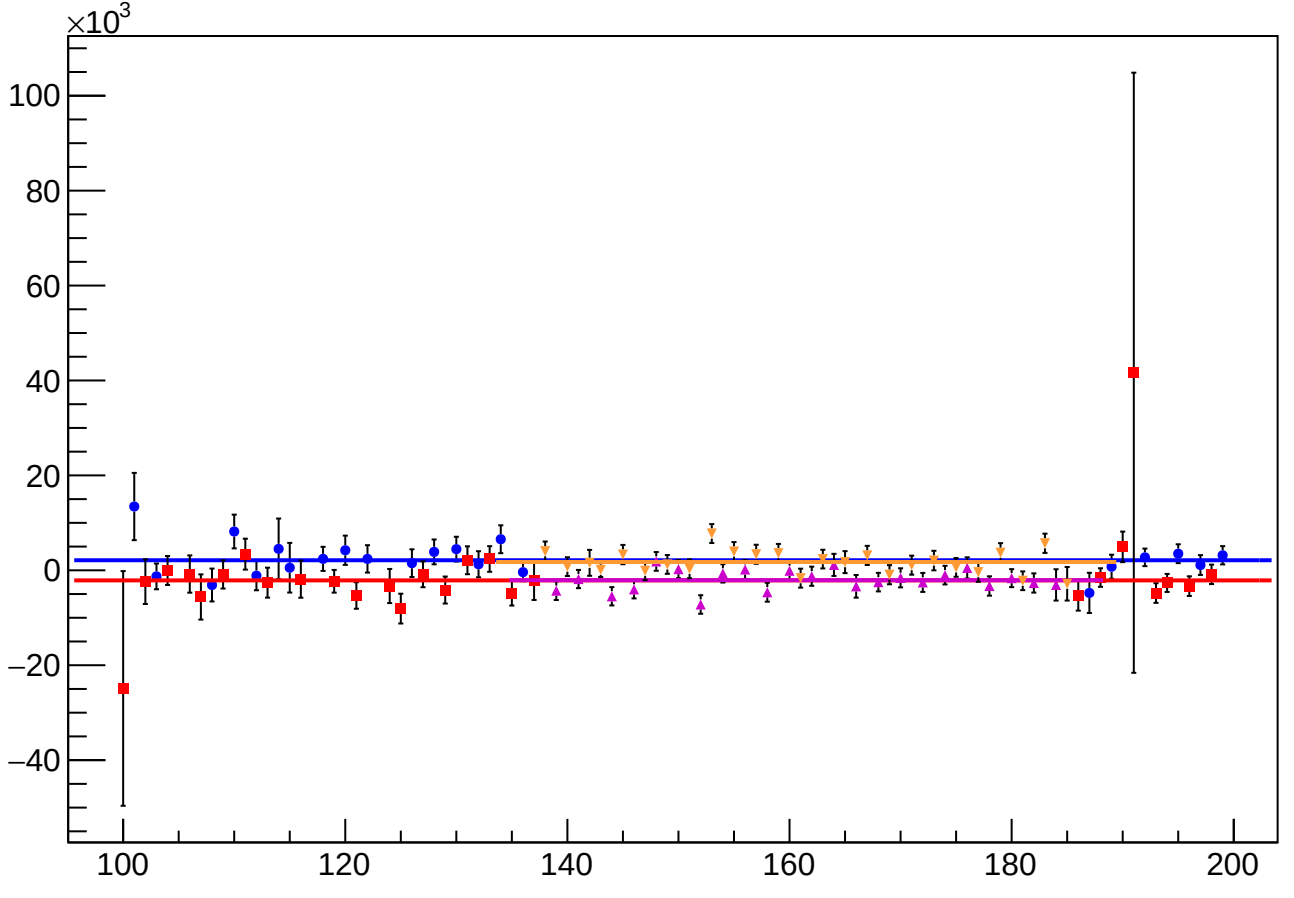
Right Out: 666.697+/-0.145 χ^2/NDF: 3338855.1/26

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 520.525+/-0.074 χ^2/NDF: 11714371.0/46

All: 513.014+/-0.052 χ^2/NDF: 24660691.2/96

- sign 505.729+/-0.073 χ^2/NDF: 12926152.0/49



Right In: 2119.294+/-572.204 χ^2/NDF: 20.6/21

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2125.016+/-551.850 χ^2/NDF: 25.7/26

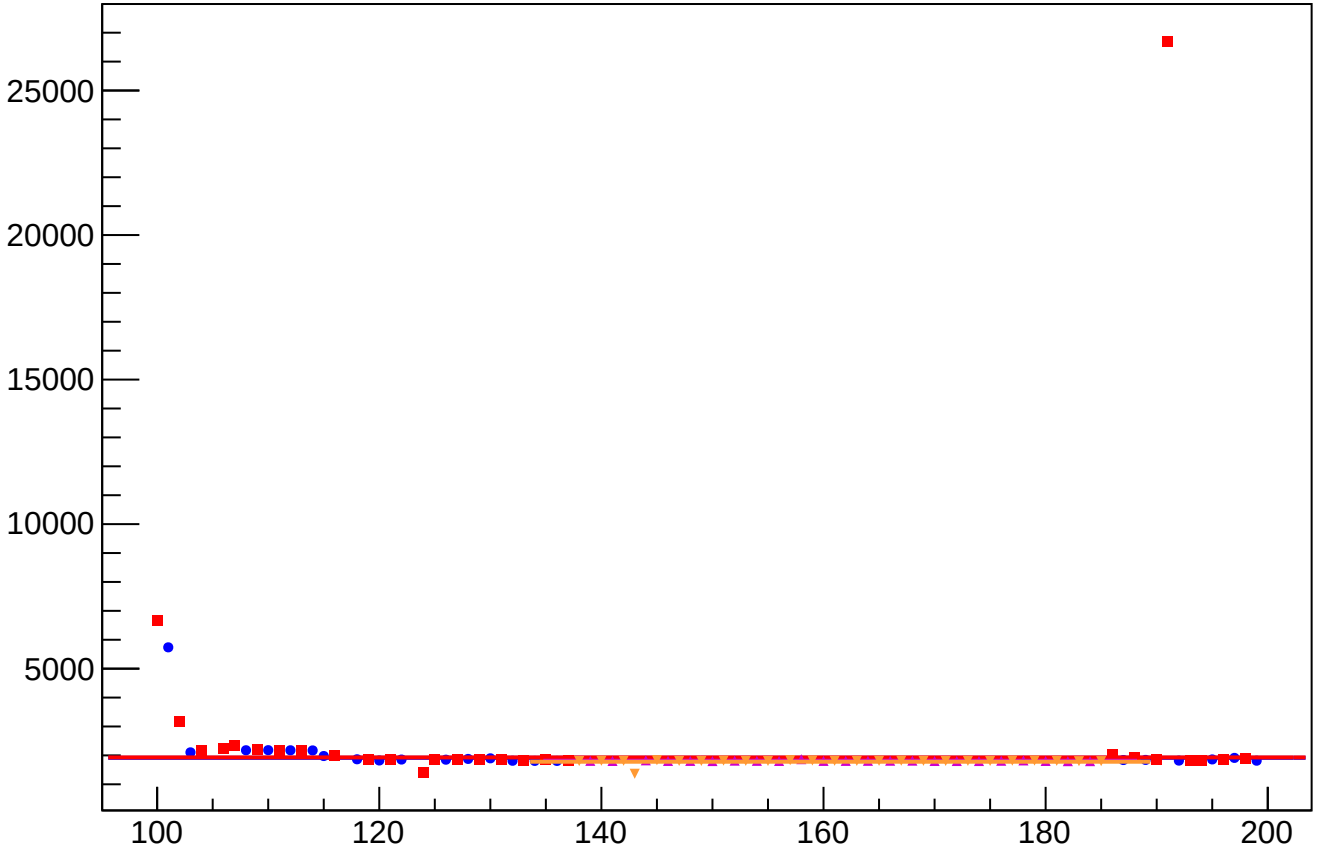
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1877.077+/-330.793 χ^2/NDF: 54.6/46

All: -76.486+/-235.741 χ^2/NDF: 178.2/96

- sign -2092.565+/-336.044 χ^2/NDF: 52.7/49

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1915.913+/-0.405 χ^2/NDF: 662974.1/21

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1929.617+/-0.390 χ^2/NDF: 678729.8/26

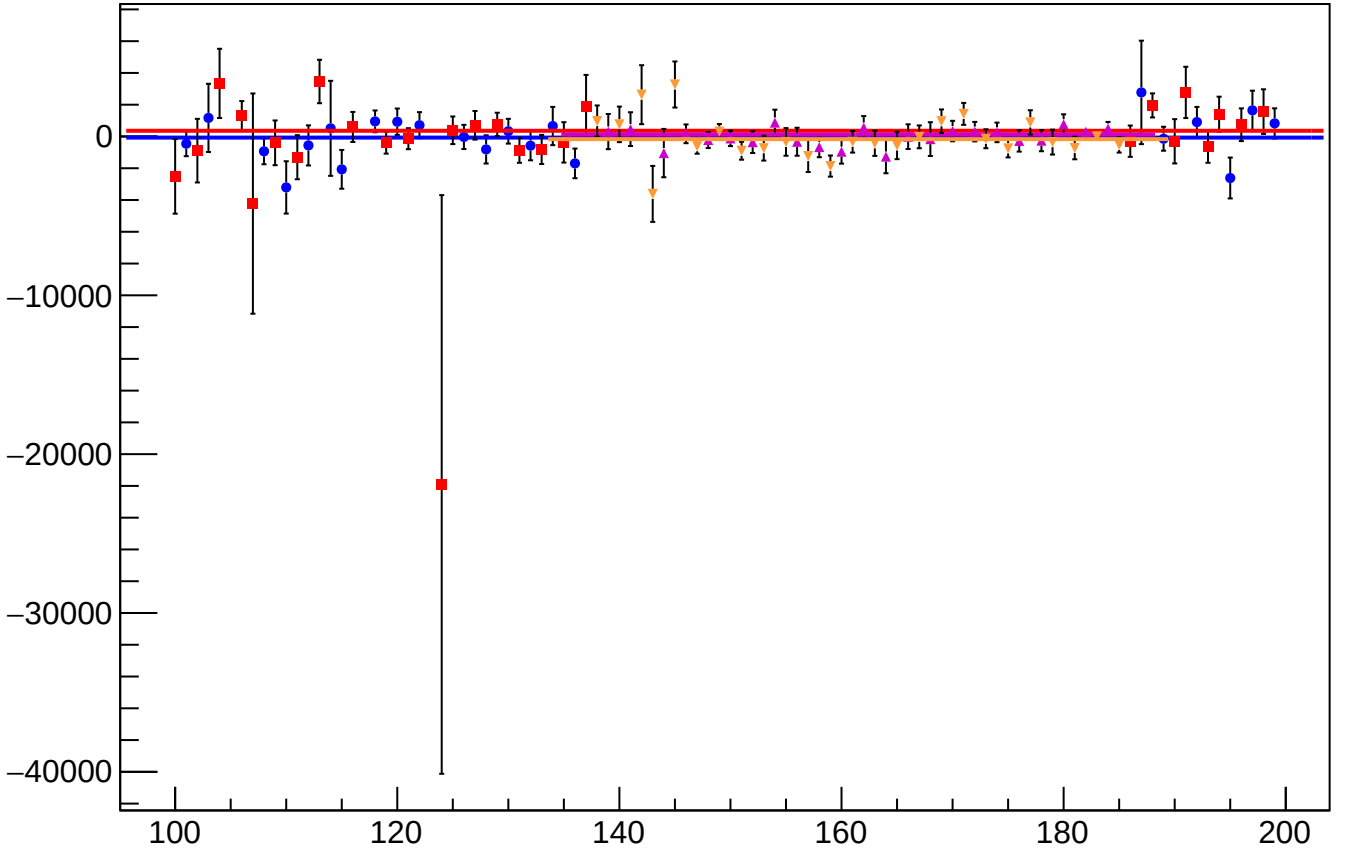
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.031+/-0.234 χ^2/NDF: 902031.5/46

All: 1841.343+/-0.167 χ^2/NDF: 1646384.5/96

- sign 1857.145+/-0.238 χ^2/NDF: 735645.0/49

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -70.293+/-207.888 χ^2/NDF: 26.0/21

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 358.495+/-204.757 χ^2/NDF: 30.9/26

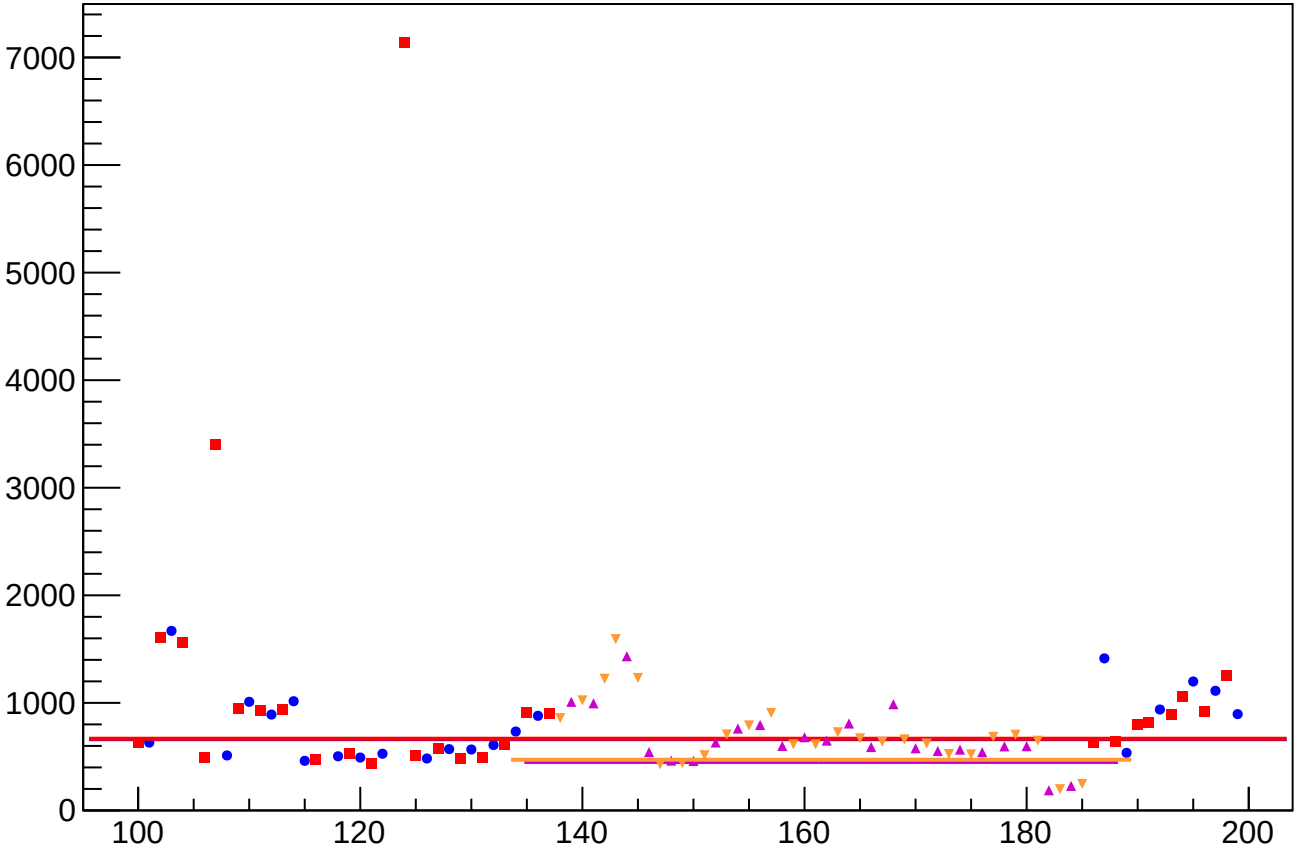
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

\+ sign -143.016+/-104.981 χ^2/NDF: 64.5/46

All: 20.320+/-73.662 χ^2/NDF: 113.5/96

\- sign 178.723+/-103.384 χ^2/NDF: 44.3/49

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 662.936+/-0.147 χ^2/NDF: 2341887.9/21

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 666.696+/-0.145 χ^2/NDF: 3338871.5/26

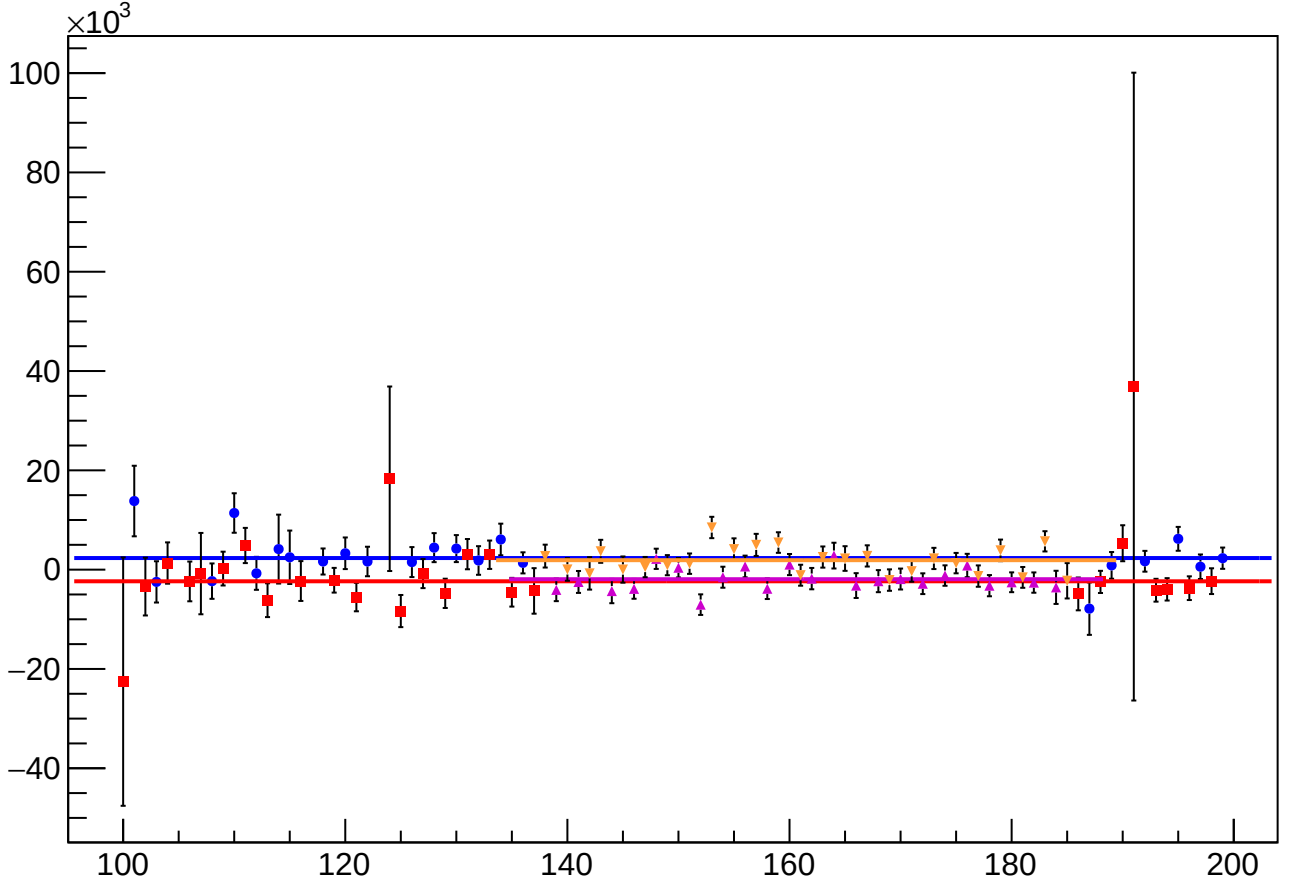
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 520.525+/-0.074 χ^2/NDF: 11714367.1/46

All: 513.014+/-0.052 χ^2/NDF: 24660664.3/96

- sign 505.730+/-0.073 χ^2/NDF: 12926129.7/49

asym_at1_avg_mean vs Slug



Right In: 2336.631+/-634.603 χ^2/NDF: 21.9/21

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2345.094+/-623.786 χ^2/NDF: 28.7/26

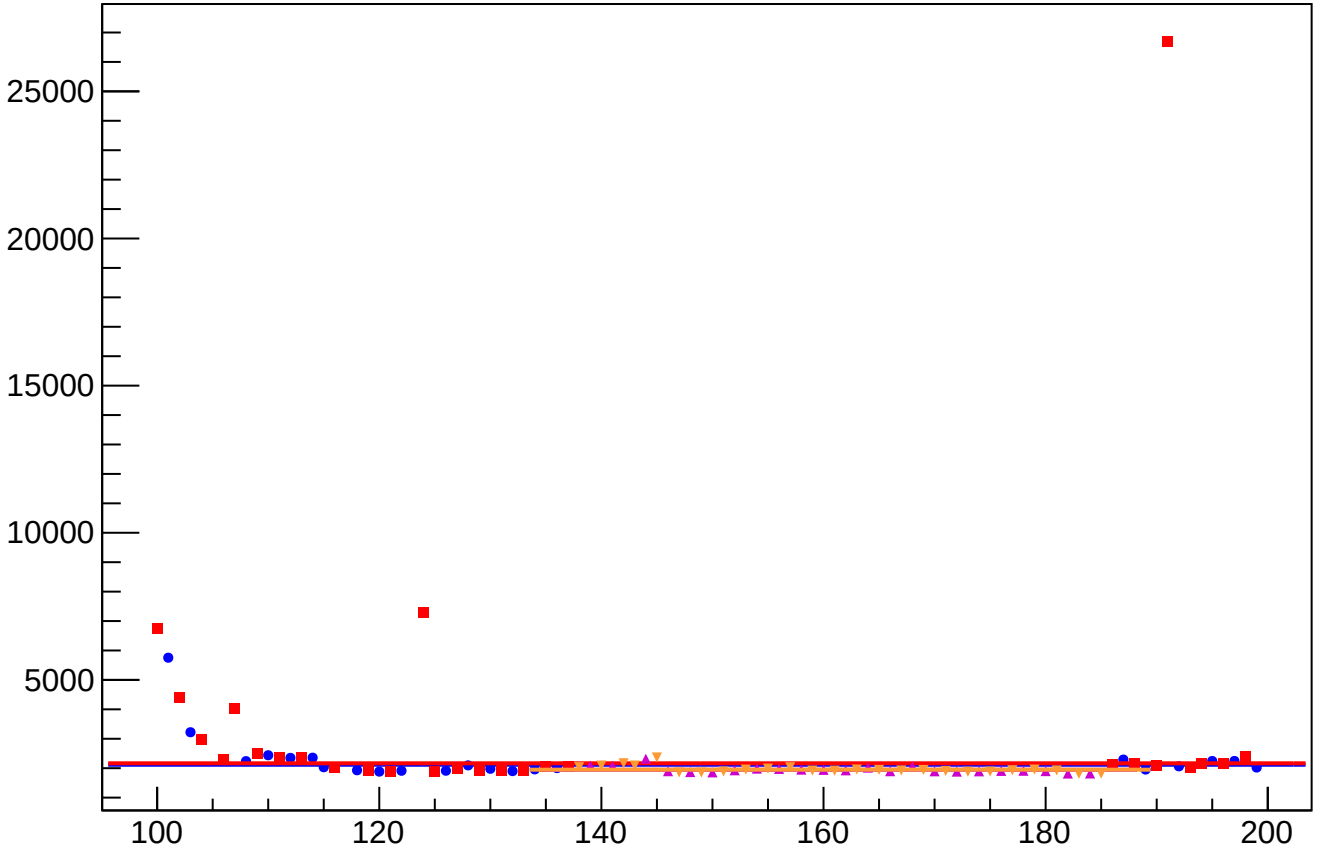
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2048.237+/-363.536 χ^2/NDF: 58.5/46

All: 10.728+/-258.462 χ^2/NDF: 175.8/96

- sign -2071.864+/-367.536 χ^2/NDF: 53.8/49

asym_at1_avg_rms vs Slug



Right In: 2116.769+/-0.449 χ^2/NDF: 785734.5/21

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

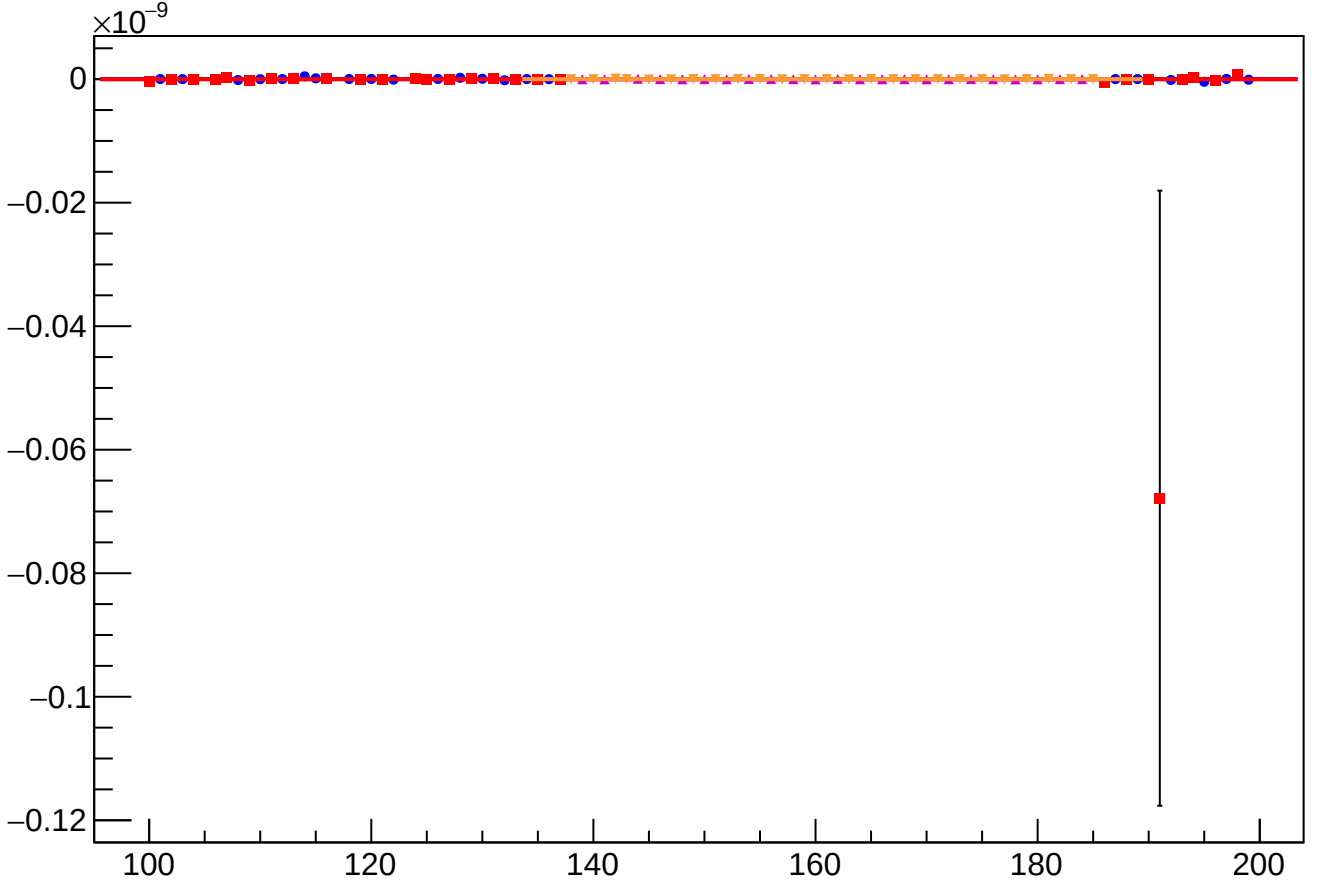
Right Out: 2166.051+/-0.441 χ^2/NDF: 1151865.3/26

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2004.057+/-0.257 χ^2/NDF: 988166.8/46

All: 2012.844+/-0.183 χ^2/NDF: 2402119.6/96

- sign 2021.826+/-0.260 χ^2/NDF: 1411589.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/26

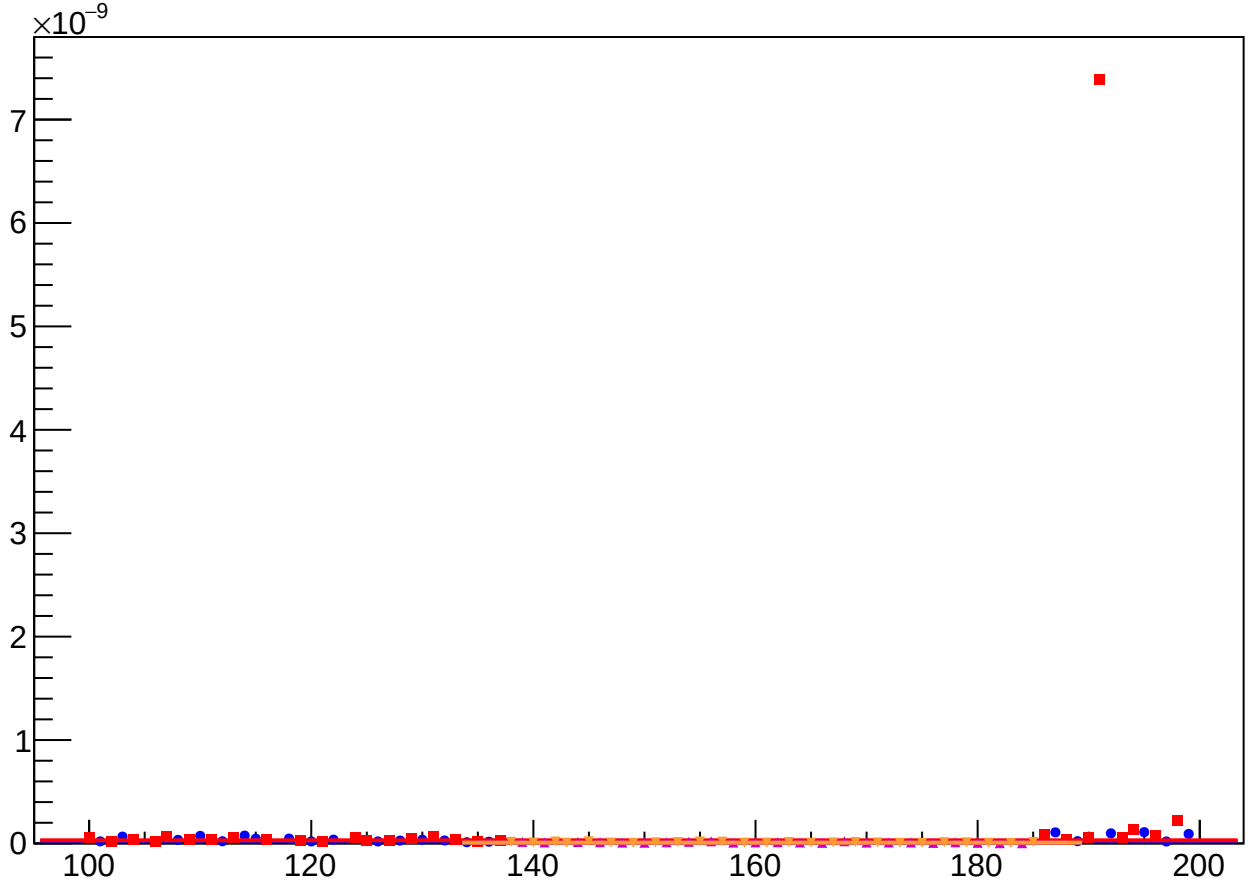
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/46

All: 0.000+/-0.000 χ^2/NDF: 113.6/96

- 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: 2482791.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2462816.7/26

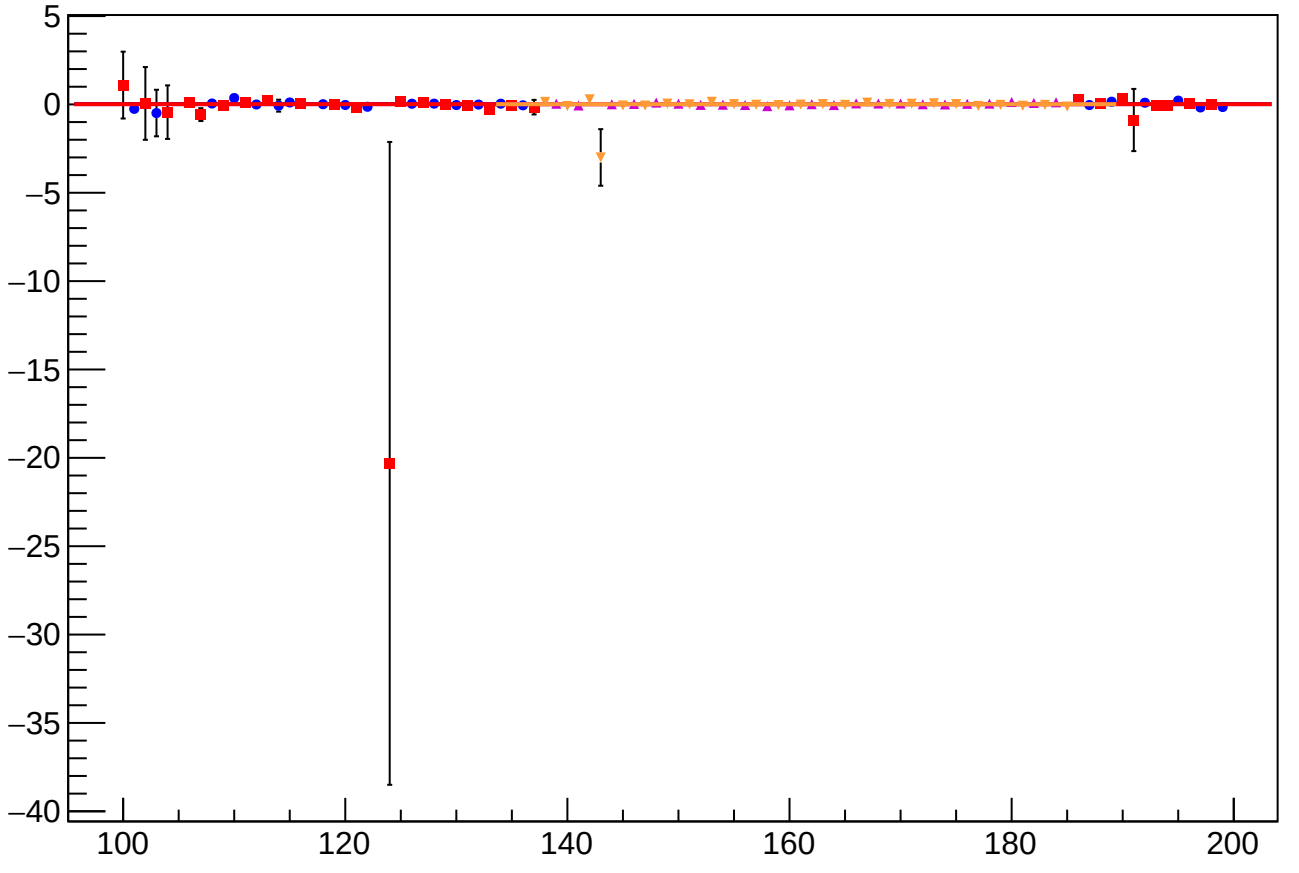
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7208369.4/46

All: 0.000+/-0.000 χ^2/NDF: 15773102.6/96

- sign 0.000+/-0.000 χ^2/NDF: 8563672.2/49

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/26

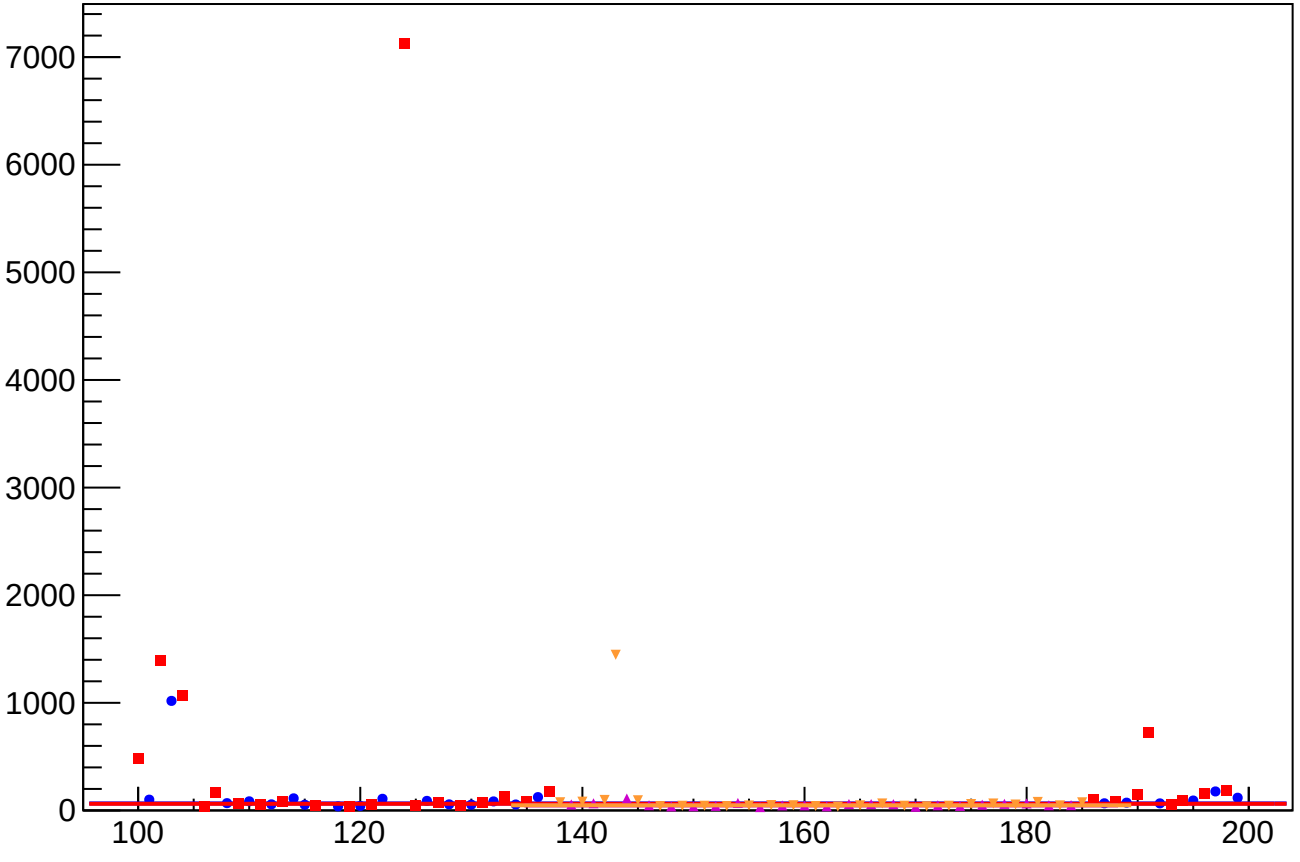
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 48.5/46

All: 0.015+/-0.008 χ^2/NDF: 92.9/96

- sign 0.017+/-0.011 χ^2/NDF: 44.2/49

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 65.304+/-0.017 χ^2/NDF: 3528841.9/21

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

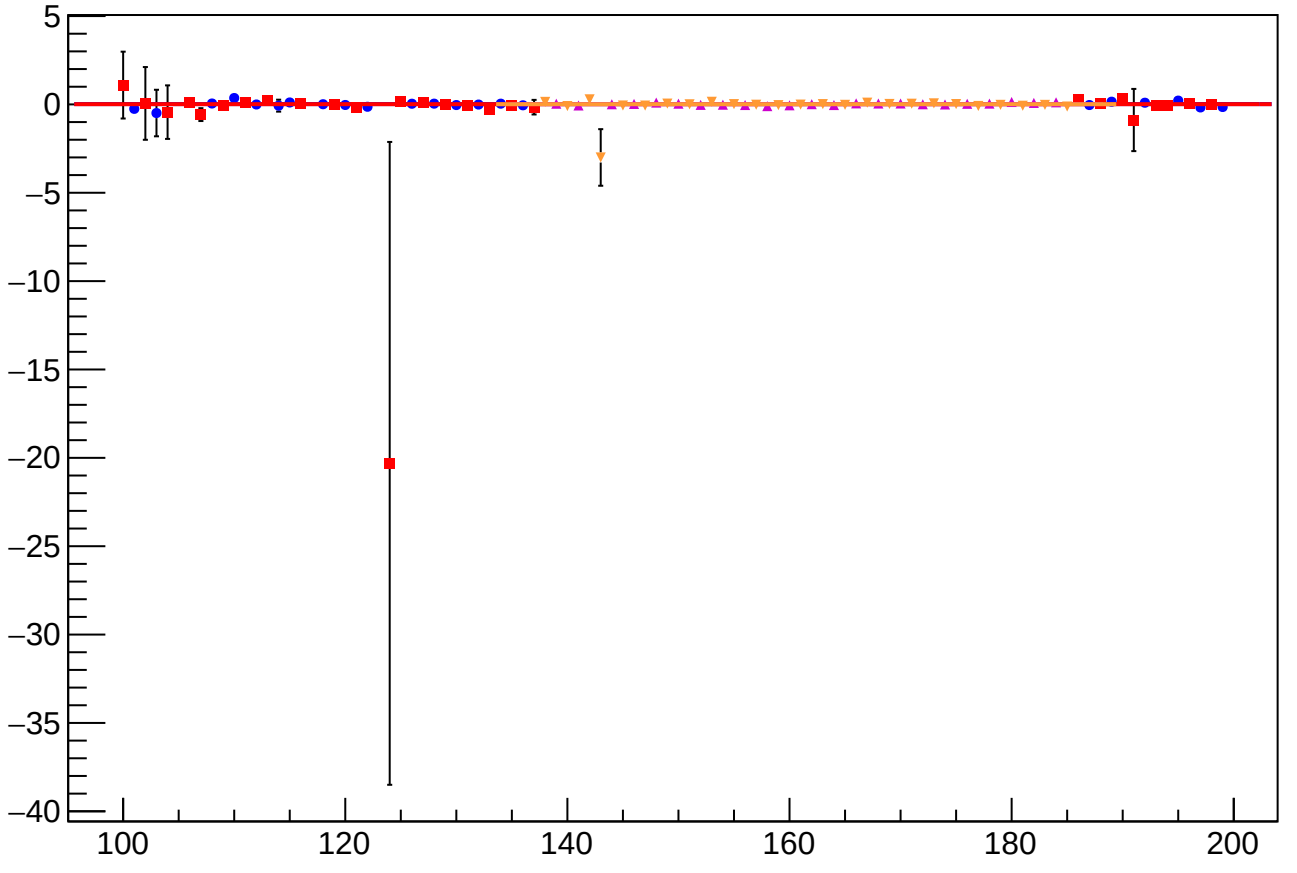
Right Out: 61.895+/-0.016 χ^2/NDF: 5488184.8/26

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 51.748+/-0.008 χ^2/NDF: 7890381.6/46

All: 50.996+/-0.005 χ^2/NDF: 16048676.6/96

- sign 50.276+/-0.008 χ^2/NDF: 8139922.9/49



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/26

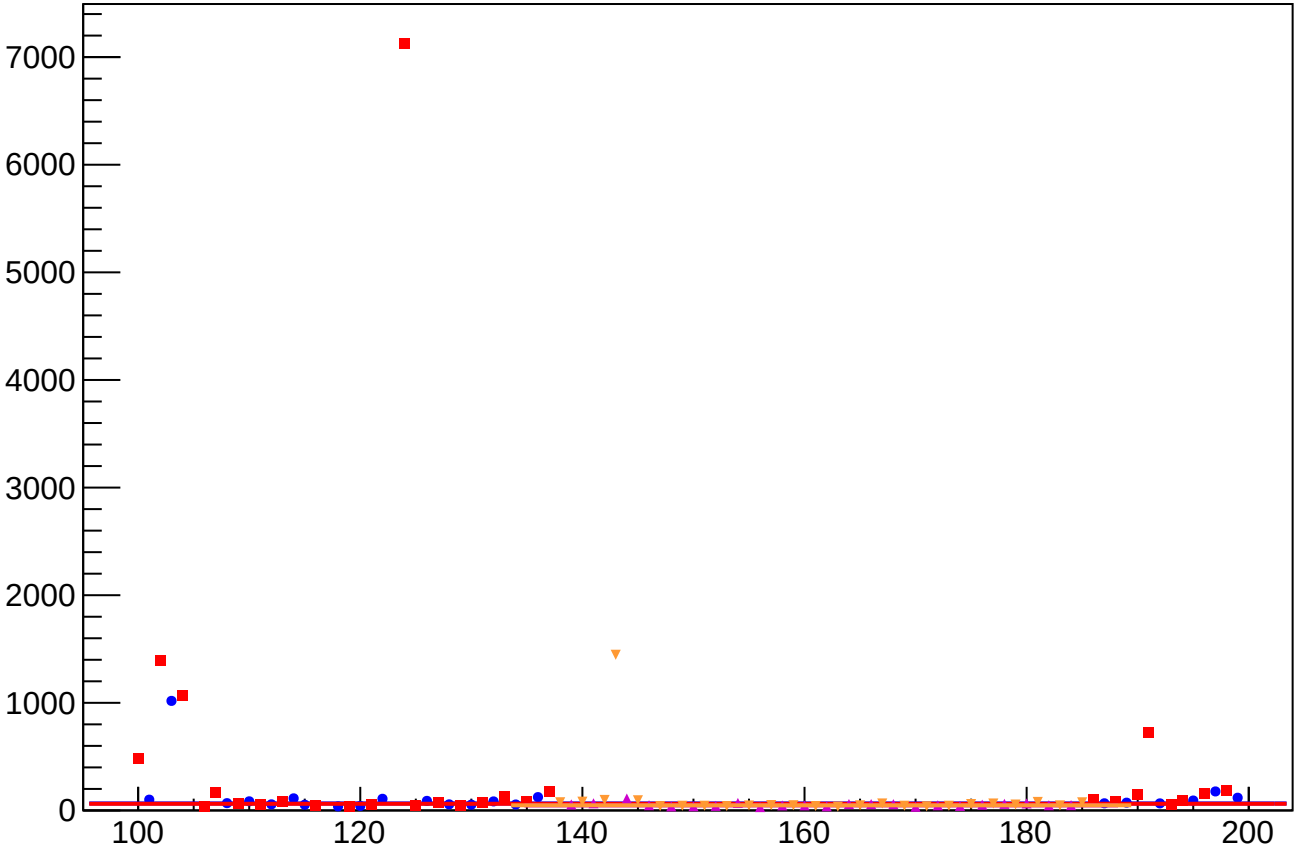
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 48.5/46

All: 0.015+/-0.008 χ^2/NDF: 92.9/96

- sign 0.017+/-0.011 χ^2/NDF: 44.2/49

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.304+/-0.017 χ^2/NDF: 3528841.9/21

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

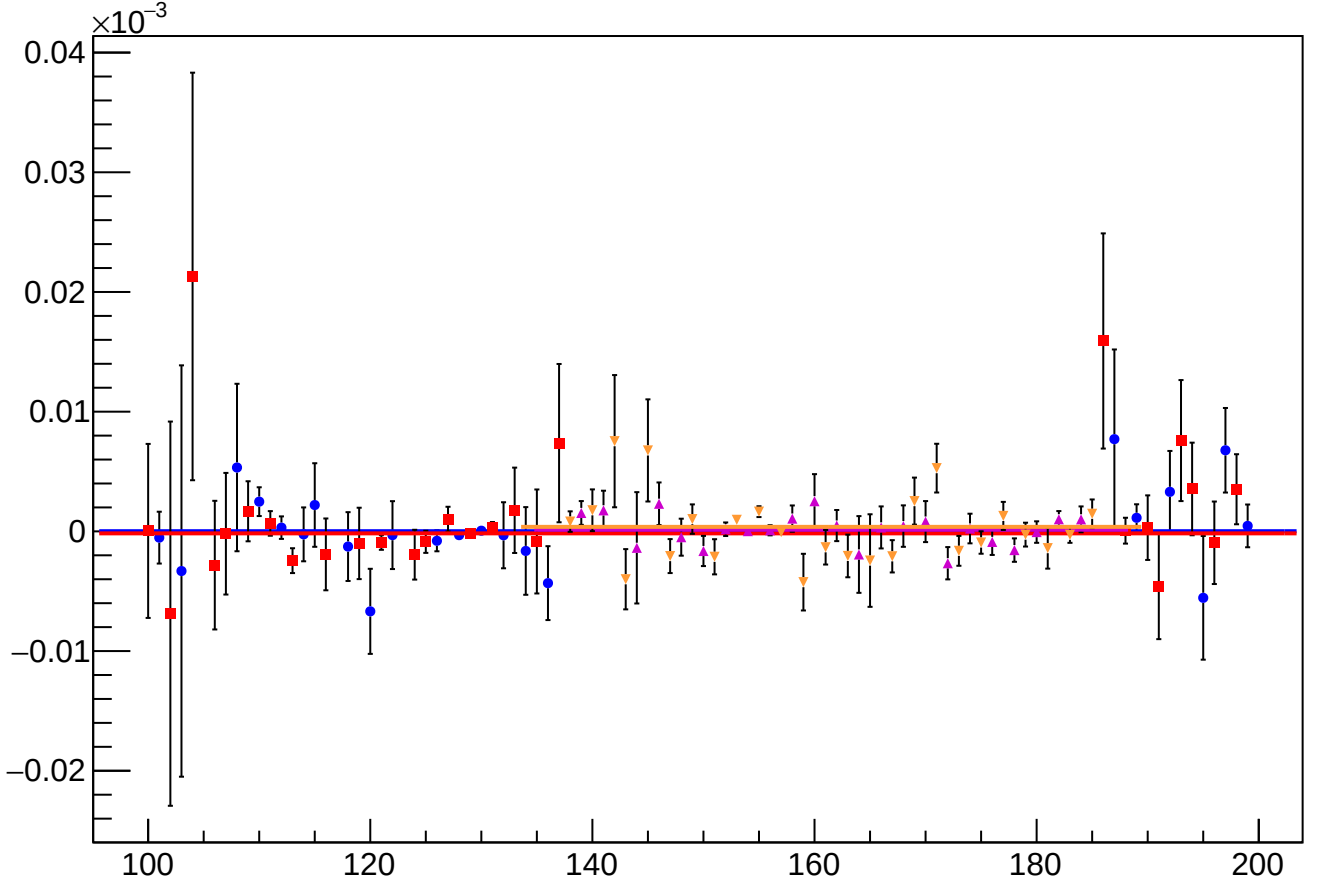
Right Out: 61.895+/-0.016 χ^2/NDF: 5488184.8/26

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 51.748+/-0.008 χ^2/NDF: 7890381.6/46

All: 50.996+/-0.005 χ^2/NDF: 16048676.6/96

- sign 50.276+/-0.008 χ^2/NDF: 8139922.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/26

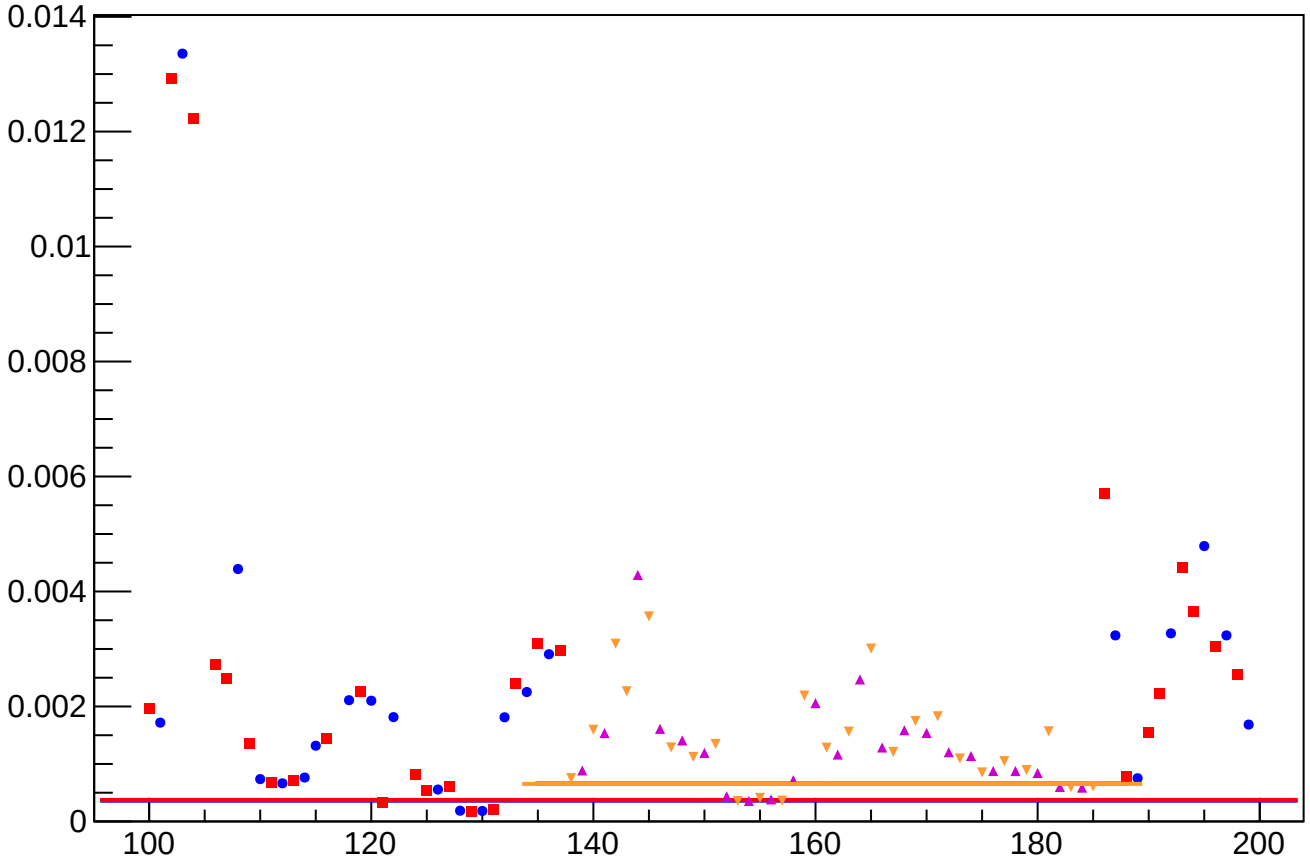
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.4/46

All: 0.000+/-0.000 χ^2/NDF: 121.8/96

- sign -0.000+/-0.000 χ^2/NDF: 46.1/49

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14784995.3/21

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

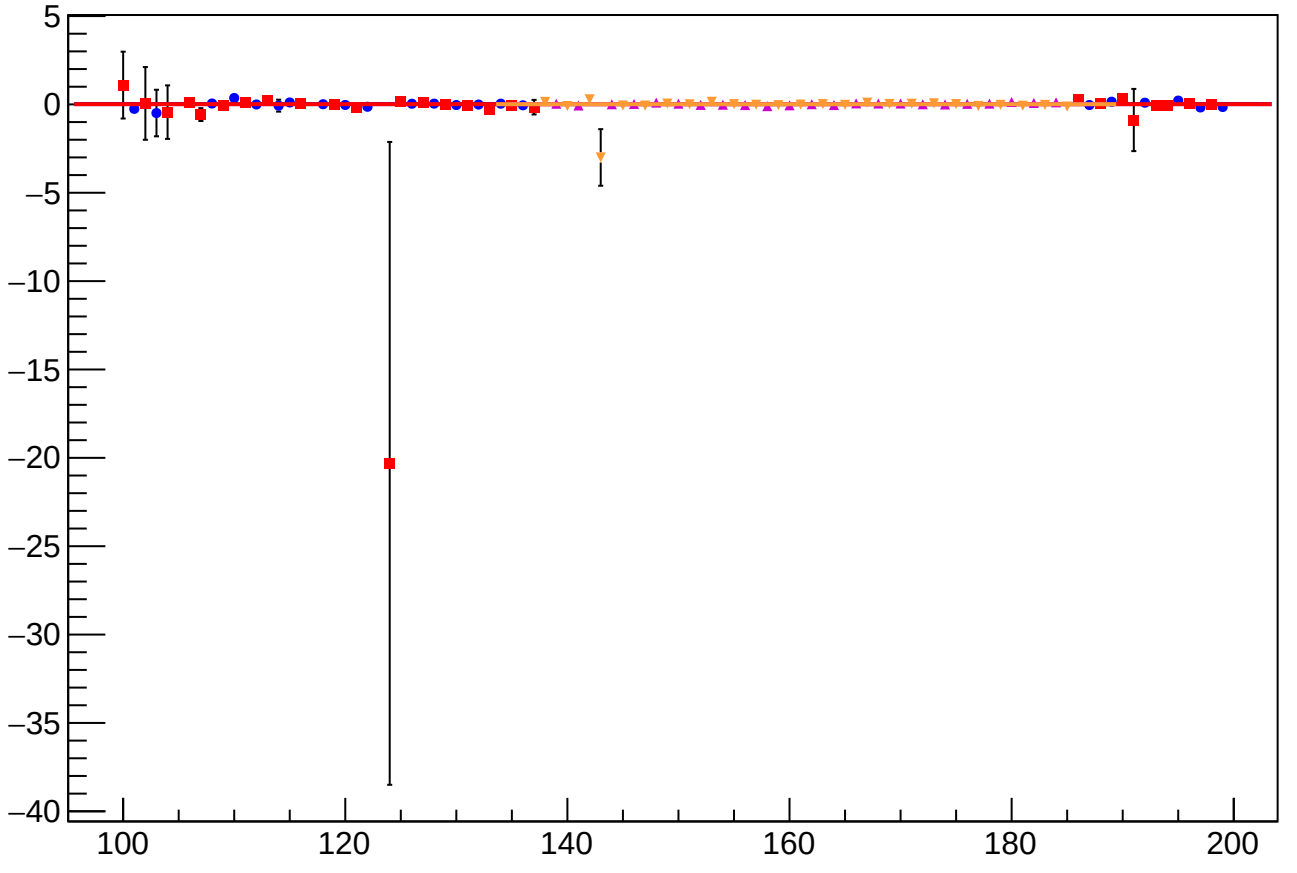
Right Out: 0.000+/-0.000 χ^2/NDF: 14927553.4/26

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 29345914.4/46

All: 0.001+/-0.000 χ^2/NDF: 56296877.7/96

- sign 0.001+/-0.000 χ^2/NDF: 26949605.2/49



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/26

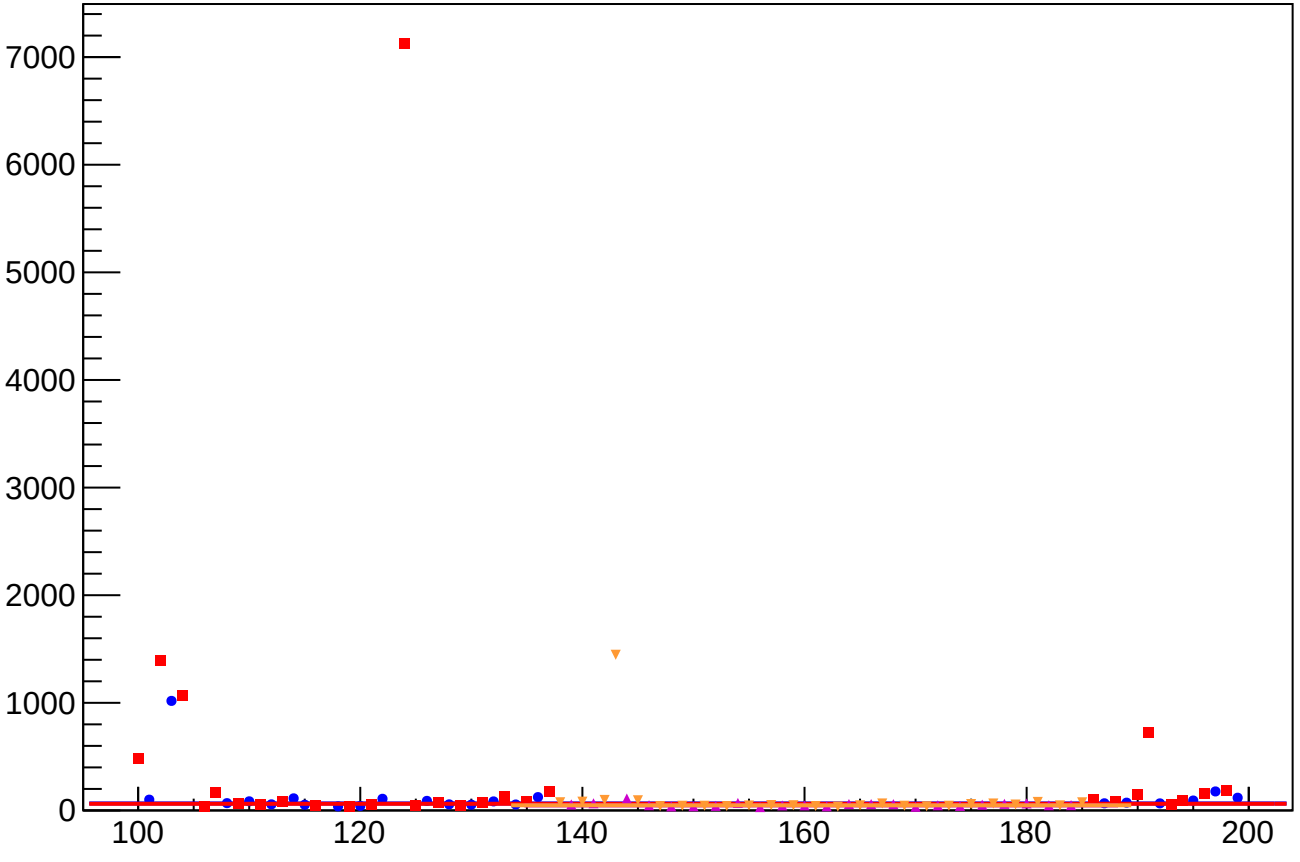
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 48.5/46

All: 0.015+/-0.008 χ^2/NDF: 92.9/96

- sign 0.017+/-0.011 χ^2/NDF: 44.2/49

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 65.304+/-0.017 χ^2/NDF: 3528884.0/21

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

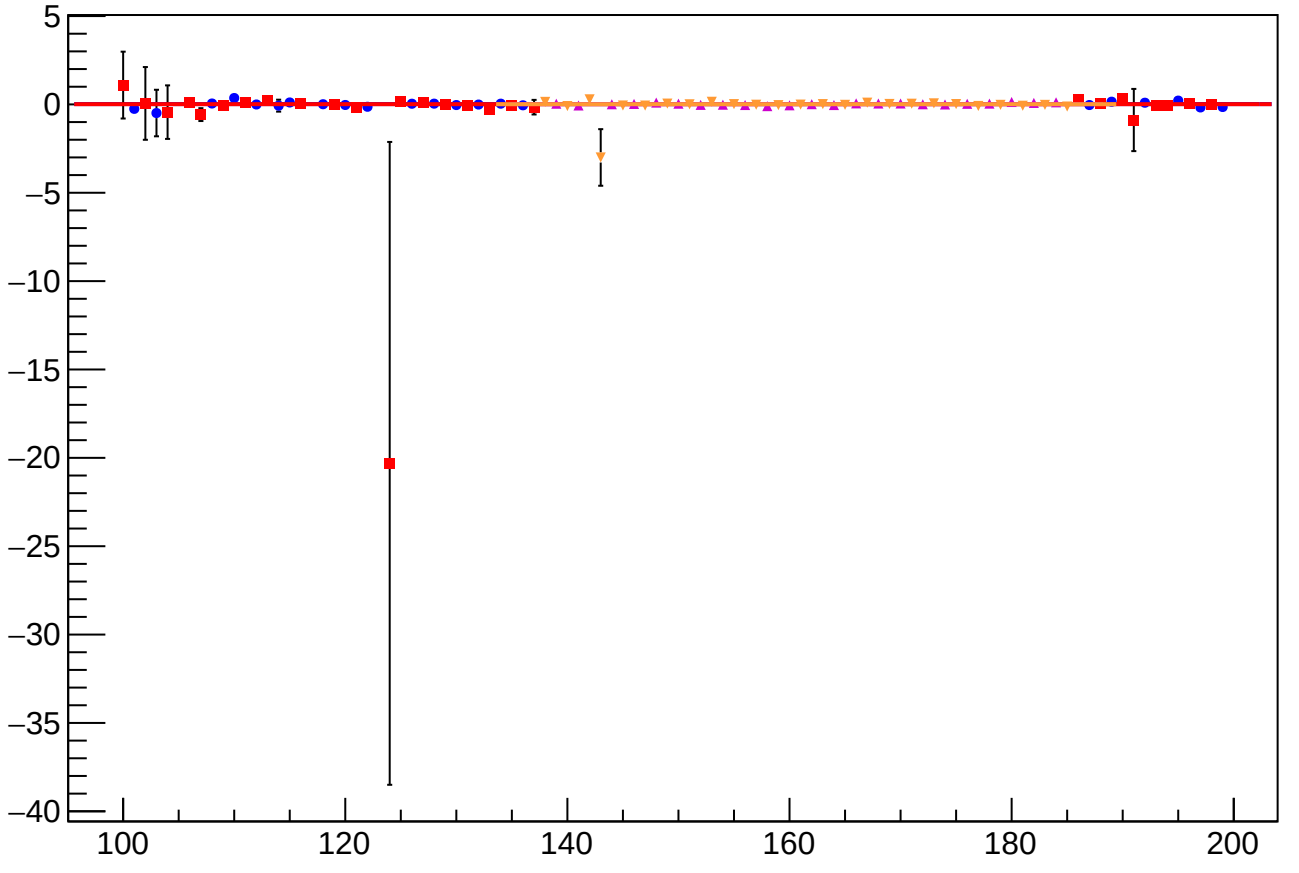
Right Out: 61.894+/-0.016 χ^2/NDF: 5488324.4/26

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 51.748+/-0.008 χ^2/NDF: 7890372.2/46

All: 50.996+/-0.005 χ^2/NDF: 16048723.6/96

- sign 50.275+/-0.008 χ^2/NDF: 8139969.9/49



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/26

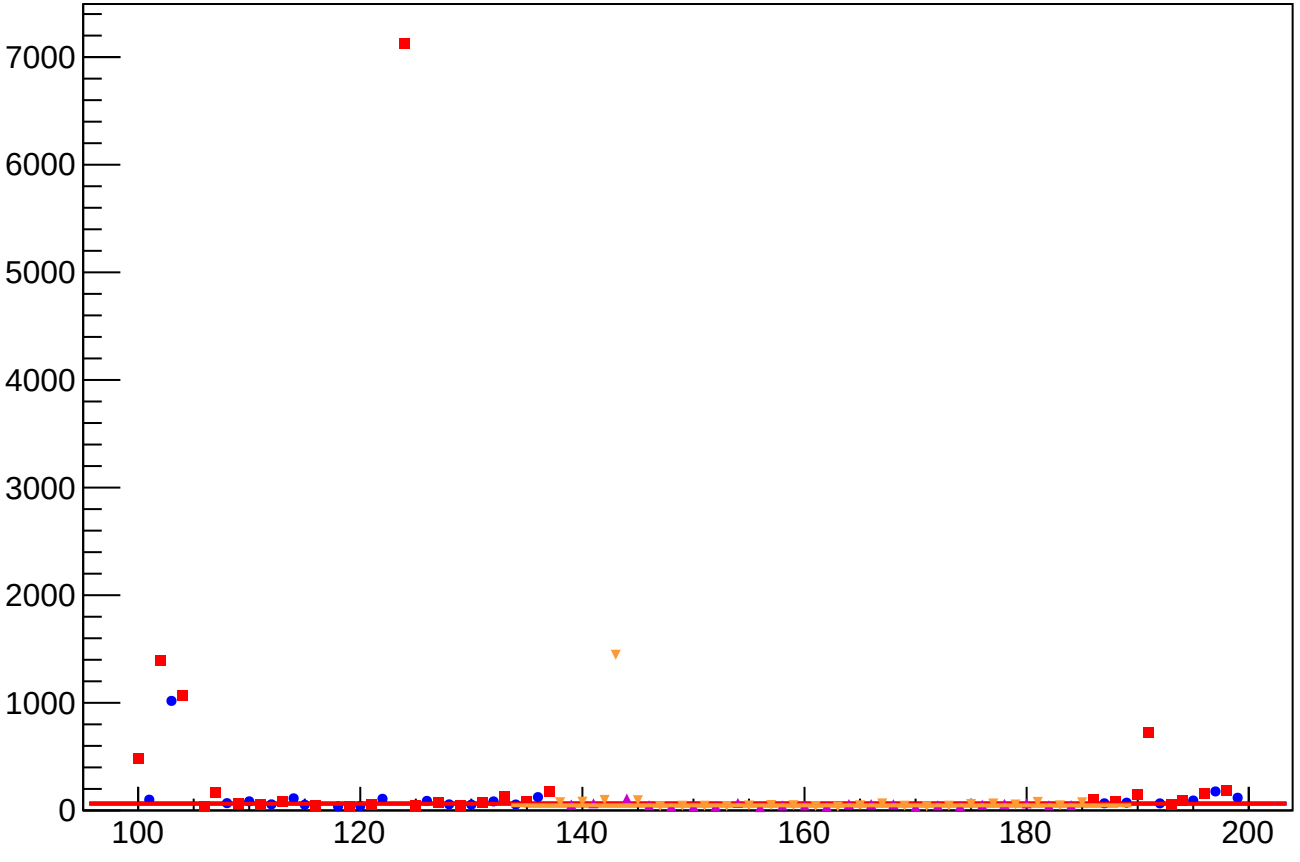
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 48.5/46

All: 0.015+/-0.008 χ^2/NDF: 92.9/96

- sign 0.017+/-0.011 χ^2/NDF: 44.2/49

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.304+/-0.017 χ^2/NDF: 3528884.0/21

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 61.894+/-0.016 χ^2/NDF: 5488324.4/26

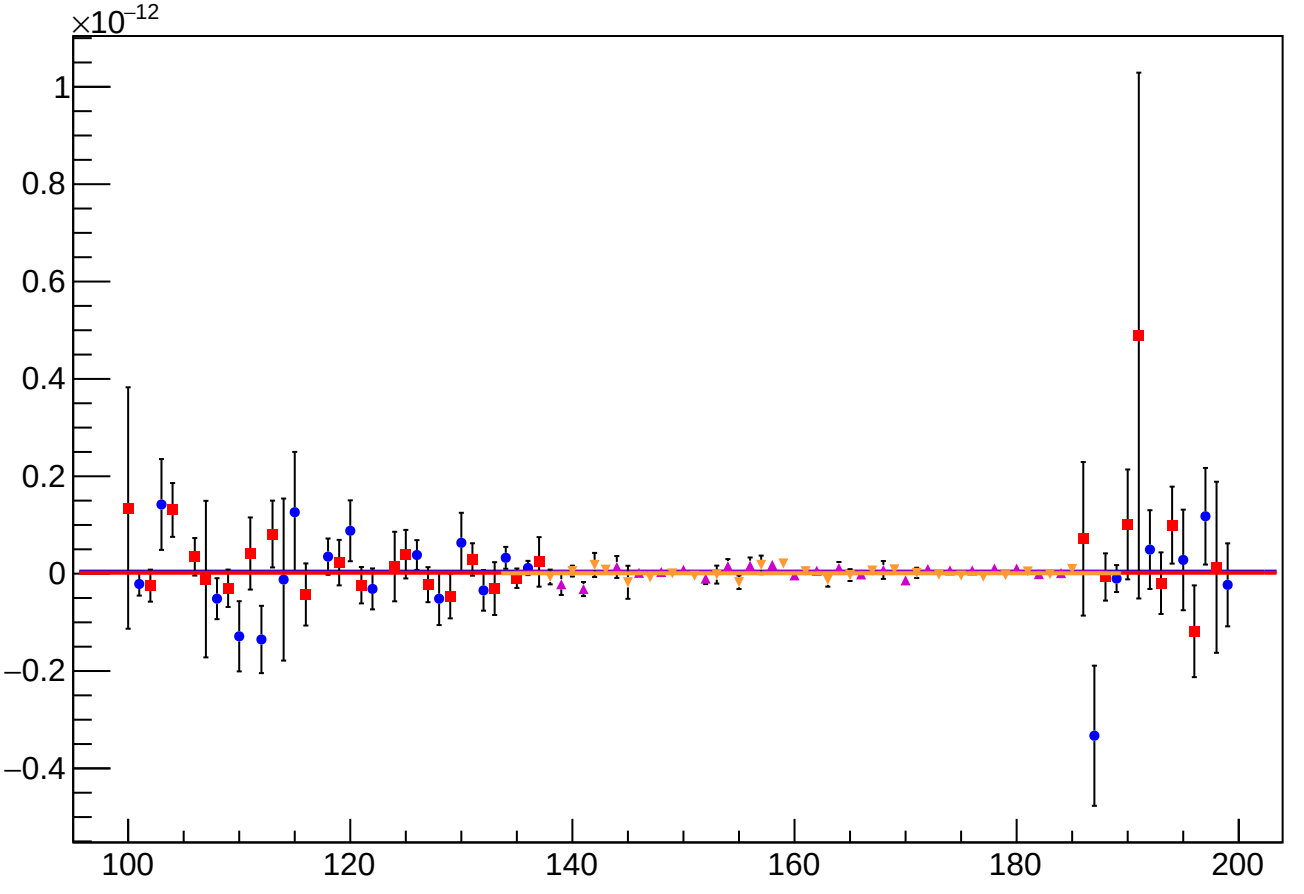
Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 51.748+/-0.008 χ^2/NDF: 7890372.2/46

All: 50.996+/-0.005 χ^2/NDF: 16048723.6/96

- 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: 30.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

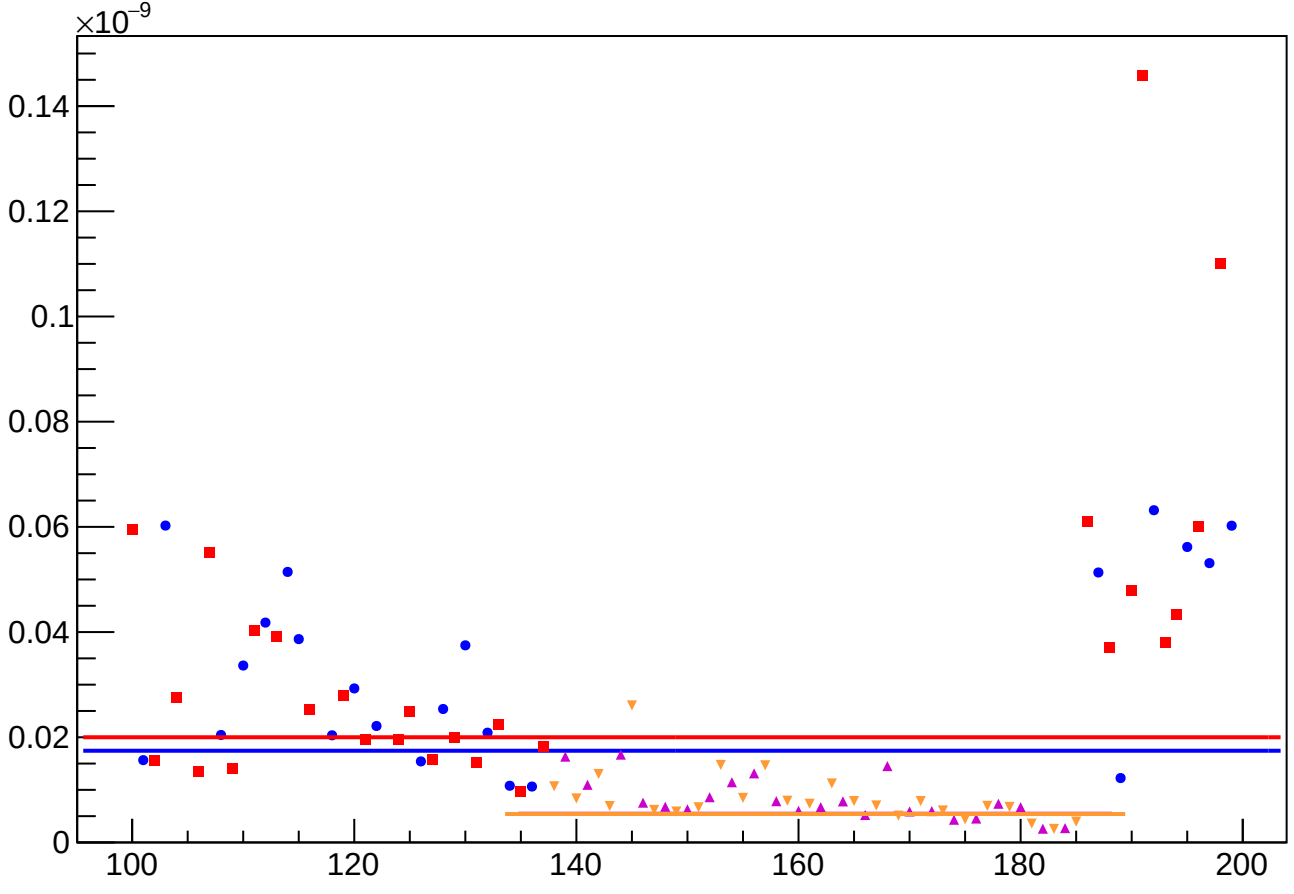
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/26

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/46

All: 0.000+/-0.000 χ^2/NDF: 87.1/96

- sign 0.000+/-0.000 χ^2/NDF: 41.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 3792934.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3172476.7/26

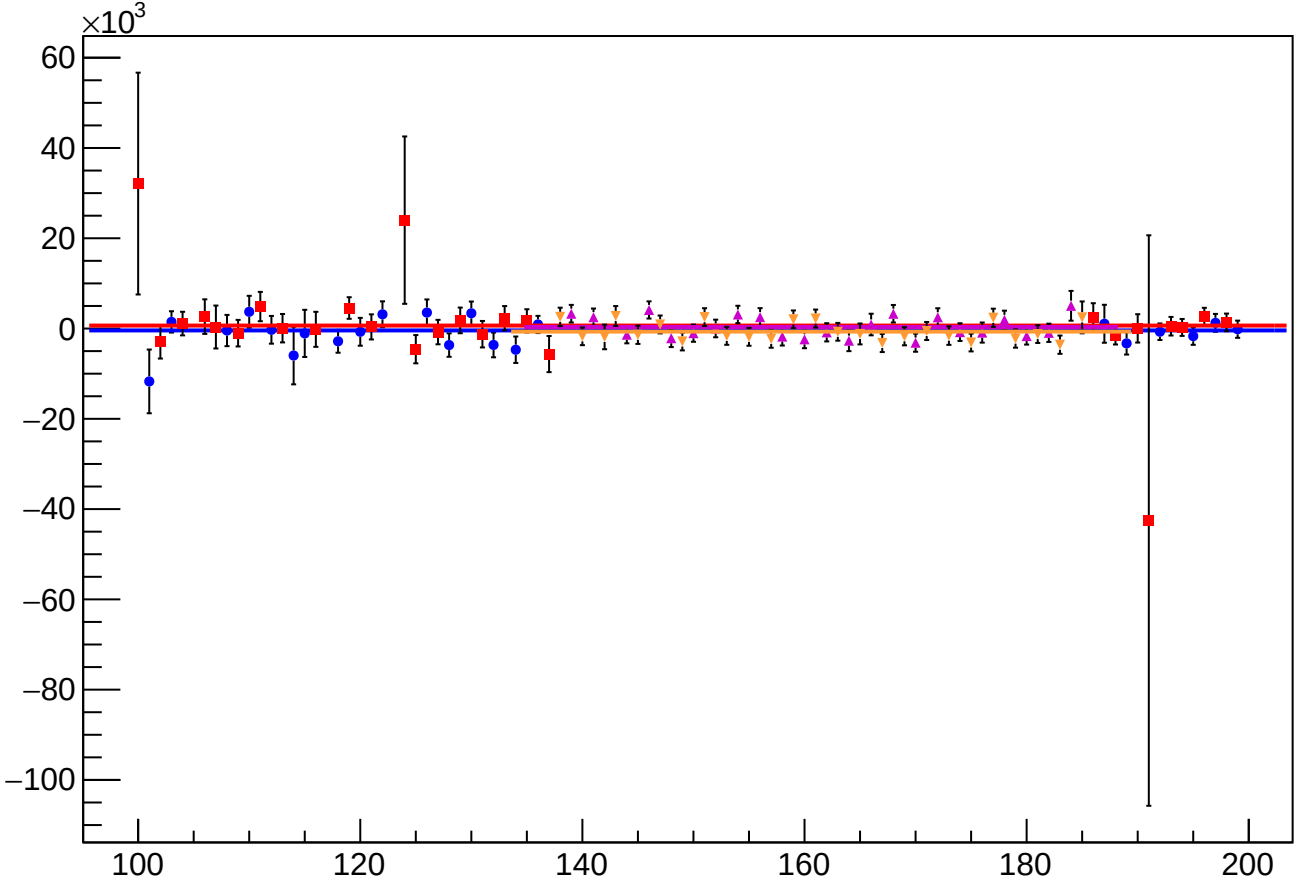
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13145093.1/46

All: 0.000+/-0.000 χ^2/NDF: 25942845.0/96

- sign 0.000+/-0.000 χ^2/NDF: 12796716.7/49

reg_asym_at1_dd_mean vs Slug



Right In: -417.432+/-562.047 χ^2/NDF: 20.0/21

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 658.548+/-546.243 χ^2/NDF: 19.2/26

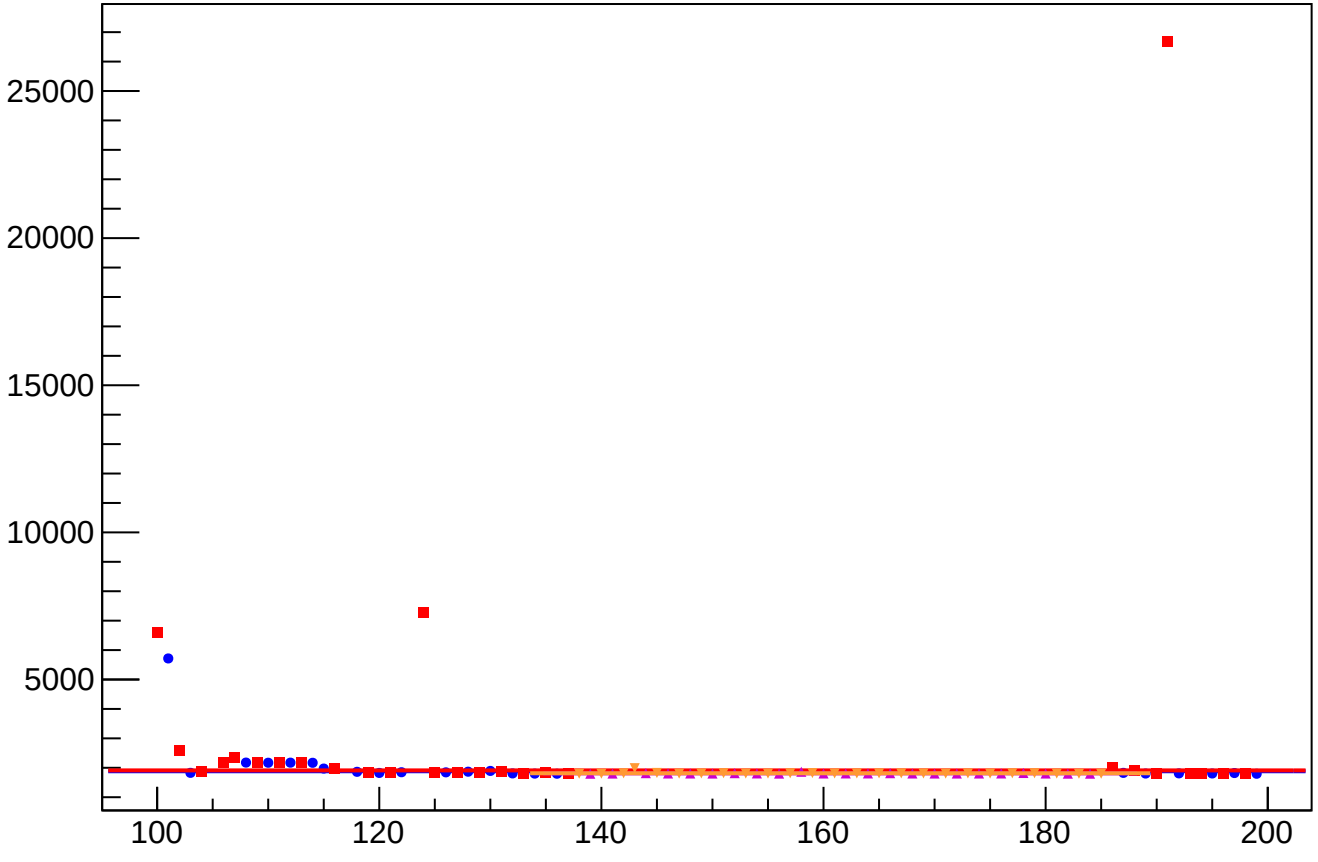
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

\+ sign -581.690+/-332.394 χ^2/NDF: 44.8/46

All: -63.254+/-235.710 χ^2/NDF: 99.2/96

\- sign 461.154+/-334.303 χ^2/NDF: 49.5/49

reg_asym_at1_dd_rms vs Slug



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.7/21

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1911.474+/-0.386 χ^2/NDF: 728030.2/26

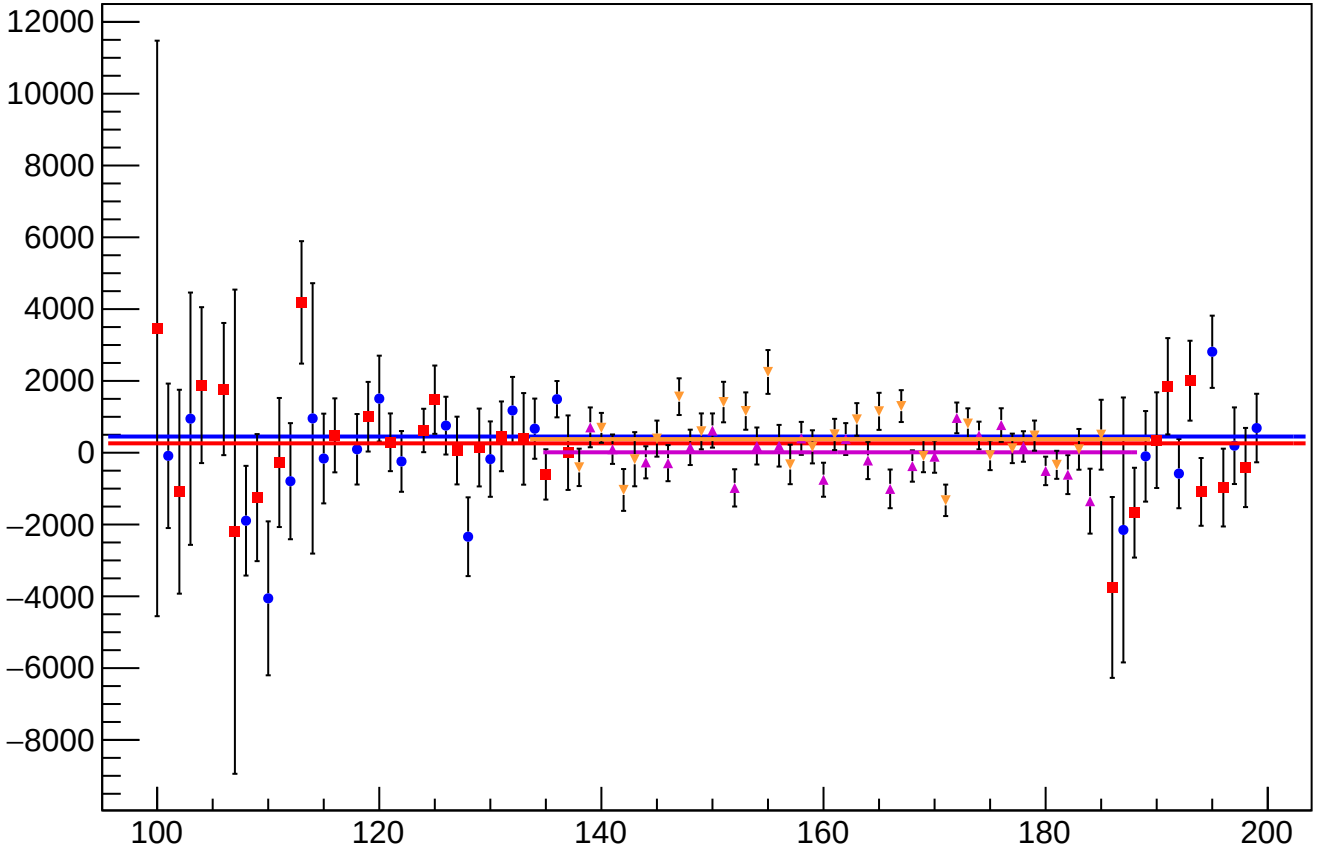
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1838.135+/-0.235 χ^2/NDF: 696238.6/46

All: 1843.185+/-0.167 χ^2/NDF: 1469944.2/96

- sign 1848.293+/-0.236 χ^2/NDF: 772777.0/49

asym_at1_dd_reg_correction_mean vs Slug



Right In: 450.799+/-225.324 χ^2/NDF: 28.6/21

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 261.063+/-217.365 χ^2/NDF: 24.7/26

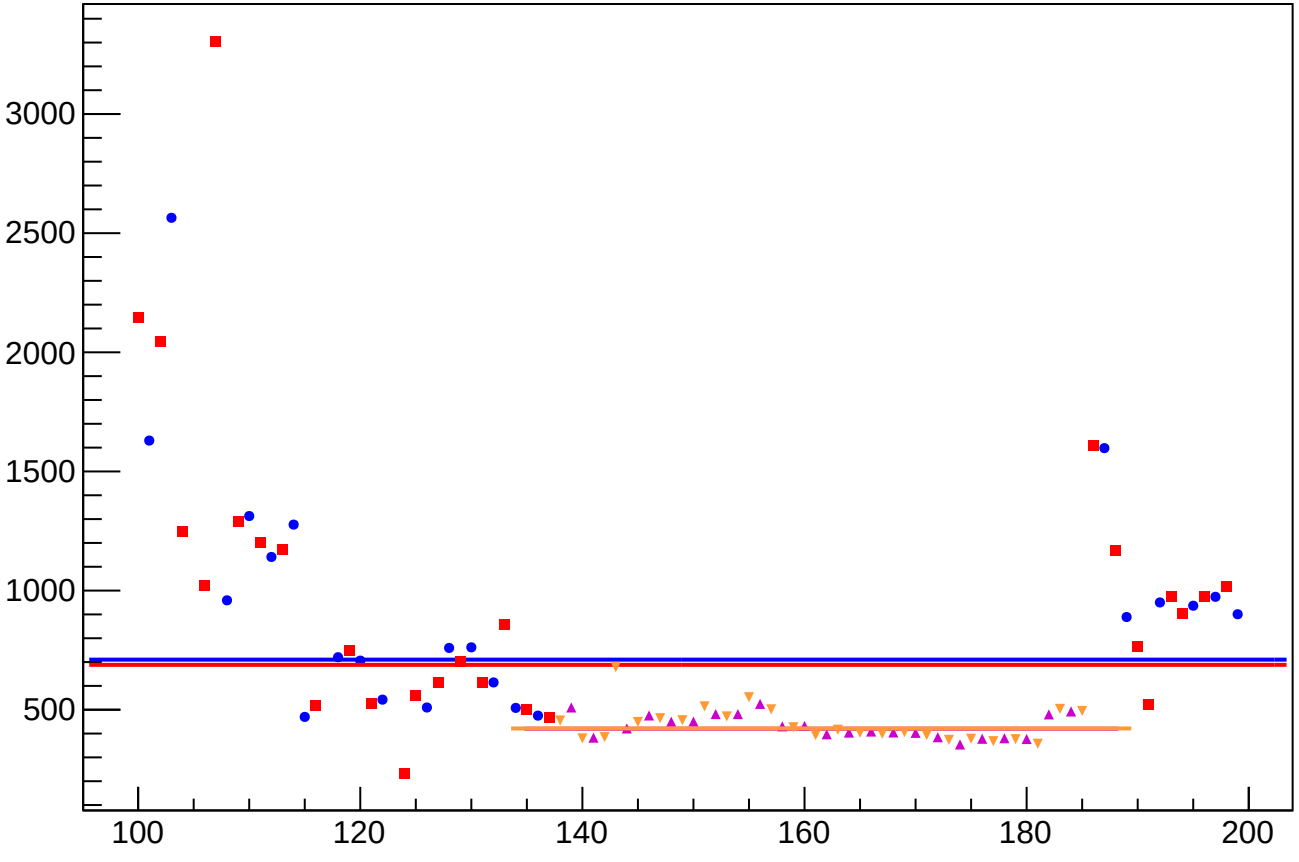
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 390.526+/-89.105 χ^2/NDF: 91.0/46

All: 224.277+/-63.348 χ^2/NDF: 155.0/96

- sign 54.381+/-90.077 χ^2/NDF: 56.9/49

asym_at1_dd_reg_correction_rms vs Slug



Right In: 710.220+/-0.159 χ^2/NDF: 2811216.4/21

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

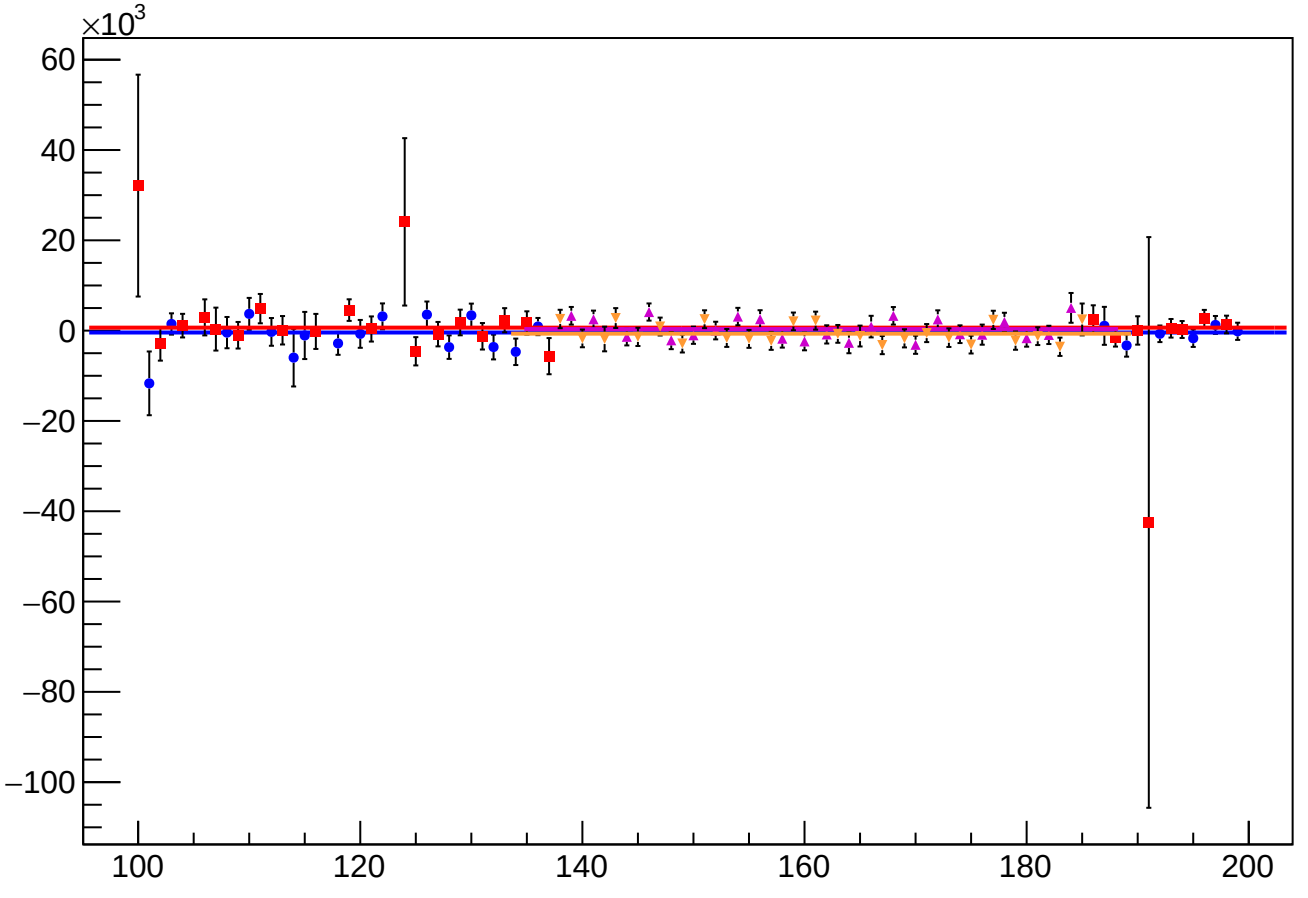
Right Out: 688.427+/-0.154 χ^2/NDF: 4342571.3/26

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 466.581+/-0.063 χ^2/NDF: 6326091.5/46

All: 466.433+/-0.045 χ^2/NDF: 13603857.7/96

- sign 466.282+/-0.064 χ^2/NDF: 7277755.0/49



Right In: -416.985+/-562.047 χ^2/NDF: 19.9/21

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 661.155+/-546.681 χ^2/NDF: 19.3/26

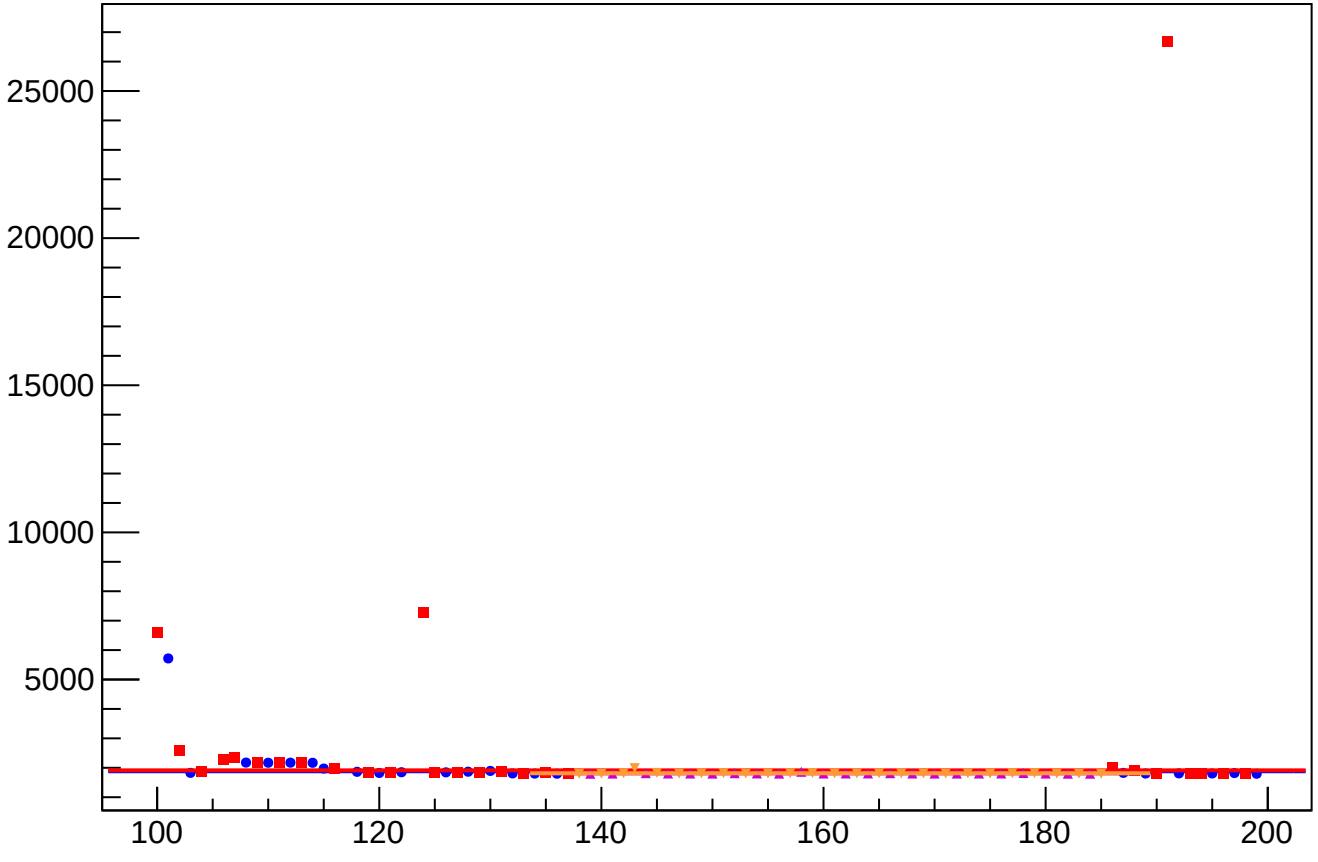
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -581.528+/-332.394 χ^2/NDF: 44.8/46

All: -62.890+/-235.745 χ^2/NDF: 99.3/96

- sign 462.039+/-334.404 χ^2/NDF: 49.6/49

cor_asym_at1_dd_rms vs Slug



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.6/21

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1912.567+/-0.387 χ^2/NDF: 733717.6/26

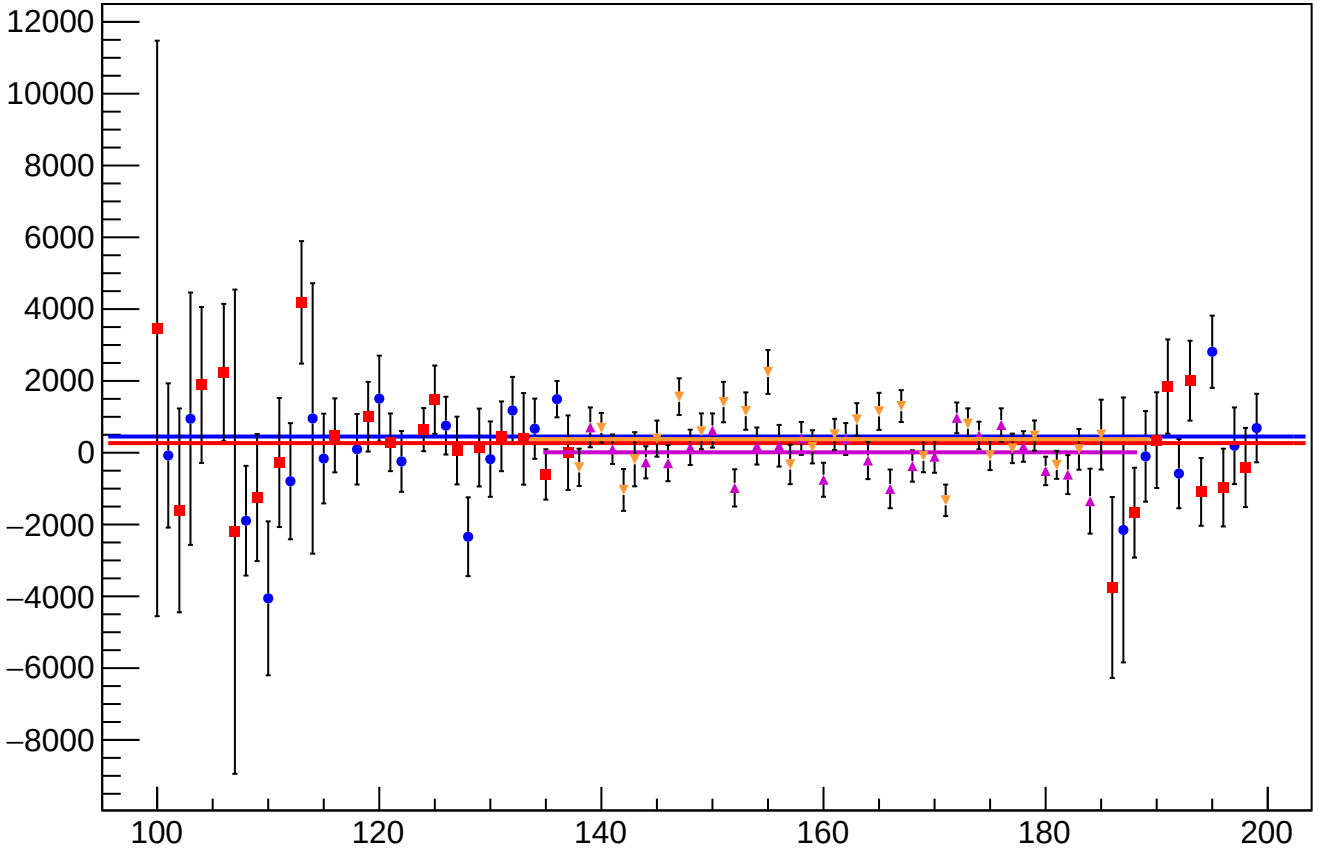
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1838.135+/-0.235 χ^2/NDF: 696238.5/46

All: 1843.368+/-0.167 χ^2/NDF: 1476587.2/96

- sign 1848.664+/-0.236 χ^2/NDF: 779351.4/49

asym_at1_dd_cor_correction_mean vs Slug



Right In: 450.827+/-225.317 χ^2/NDF: 28.6/21

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 267.662+/-217.149 χ^2/NDF: 25.4/26

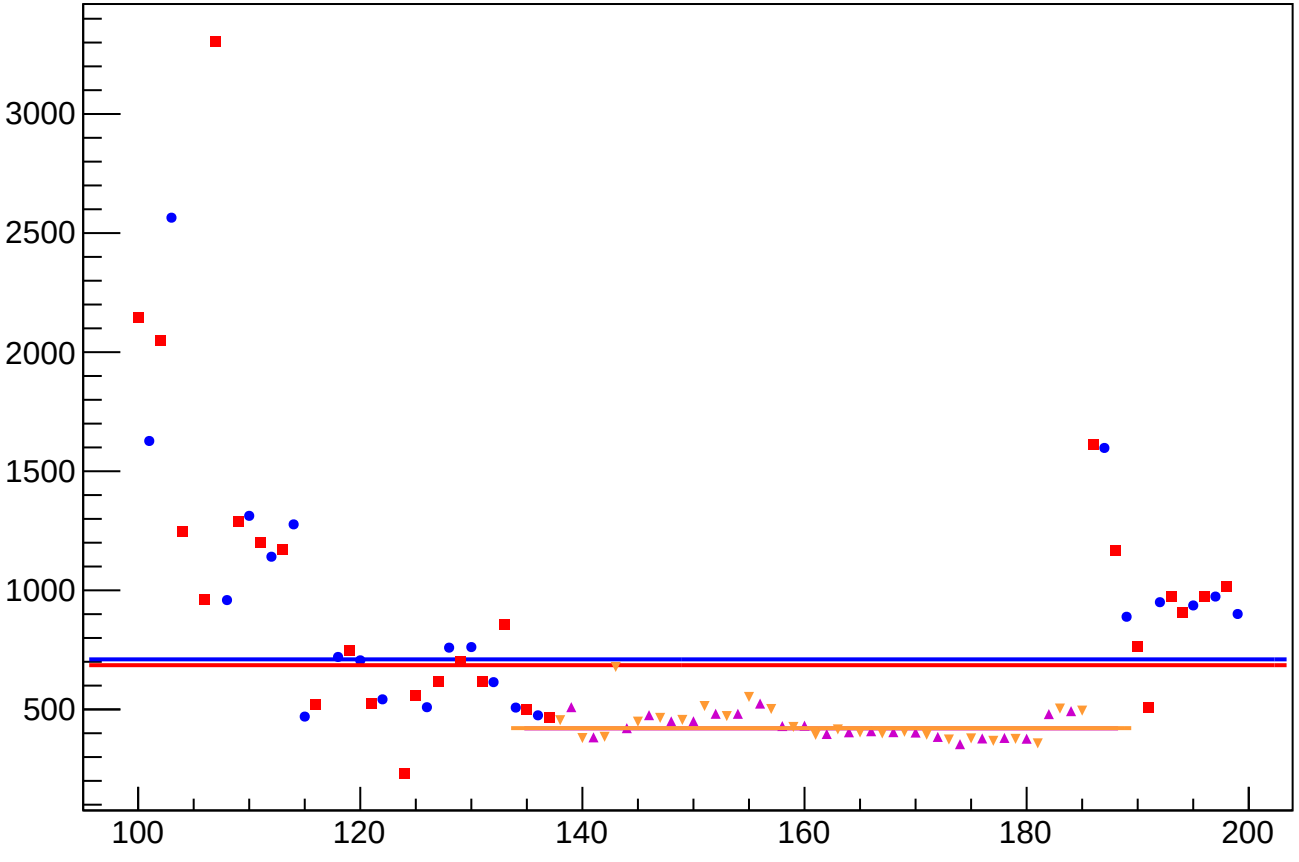
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 390.523+/-89.105 χ^2/NDF: 91.0/46

All: 224.846+/-63.342 χ^2/NDF: 155.7/96

- sign 55.596+/-90.061 χ^2/NDF: 57.7/49

asym_at1_dd_cor_correction_rms vs Slug



Right In: 710.215+/-0.159 χ^2/NDF: 2810400.4/21

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 685.717+/-0.154 χ^2/NDF: 4351833.7/26

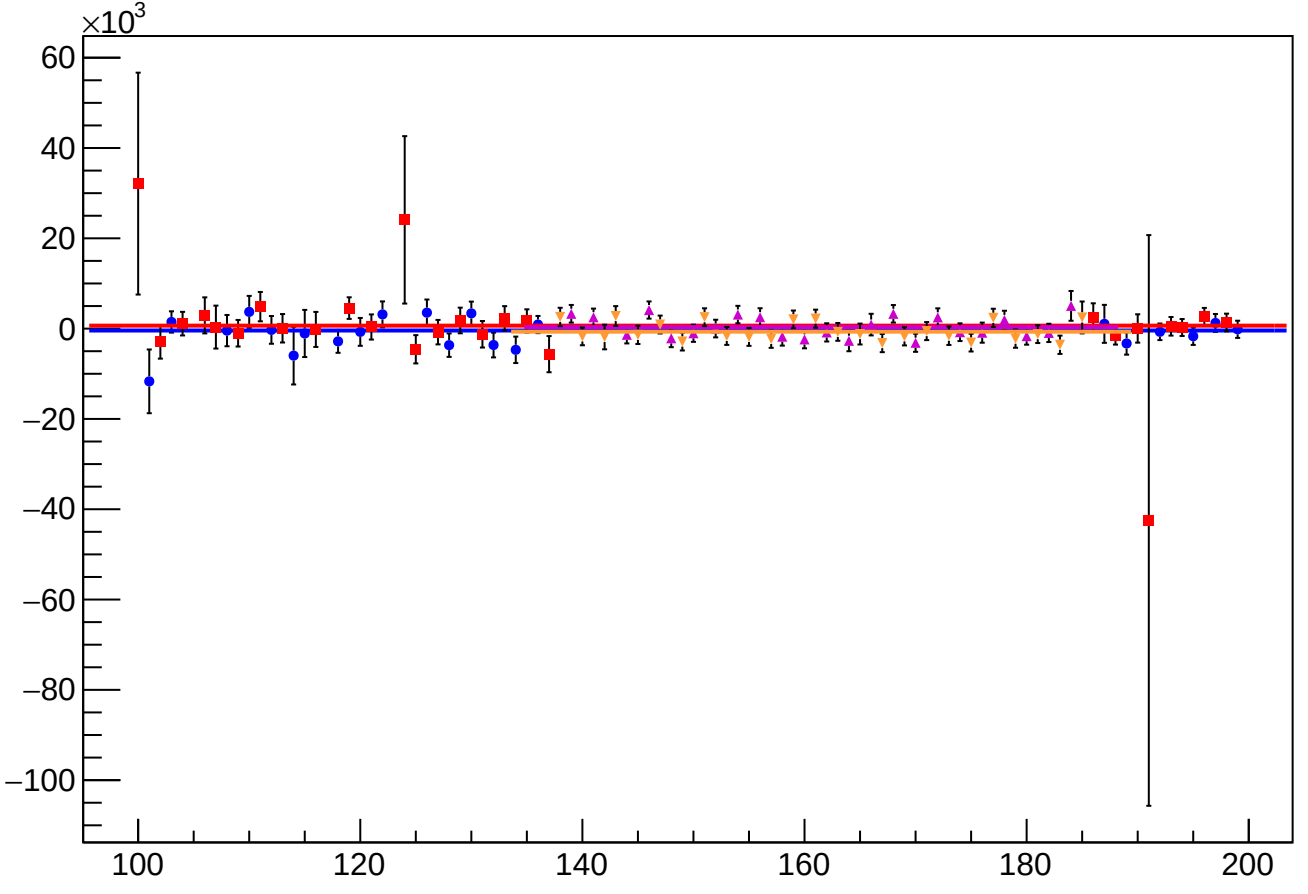
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 466.585+/-0.063 χ^2/NDF: 6325192.7/46

All: 466.240+/-0.045 χ^2/NDF: 13565750.9/96

- sign 465.887+/-0.064 χ^2/NDF: 7240497.5/49

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -416.985+/-562.047 χ^2/NDF: 19.9/21

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 661.155+/-546.681 χ^2/NDF: 19.3/26

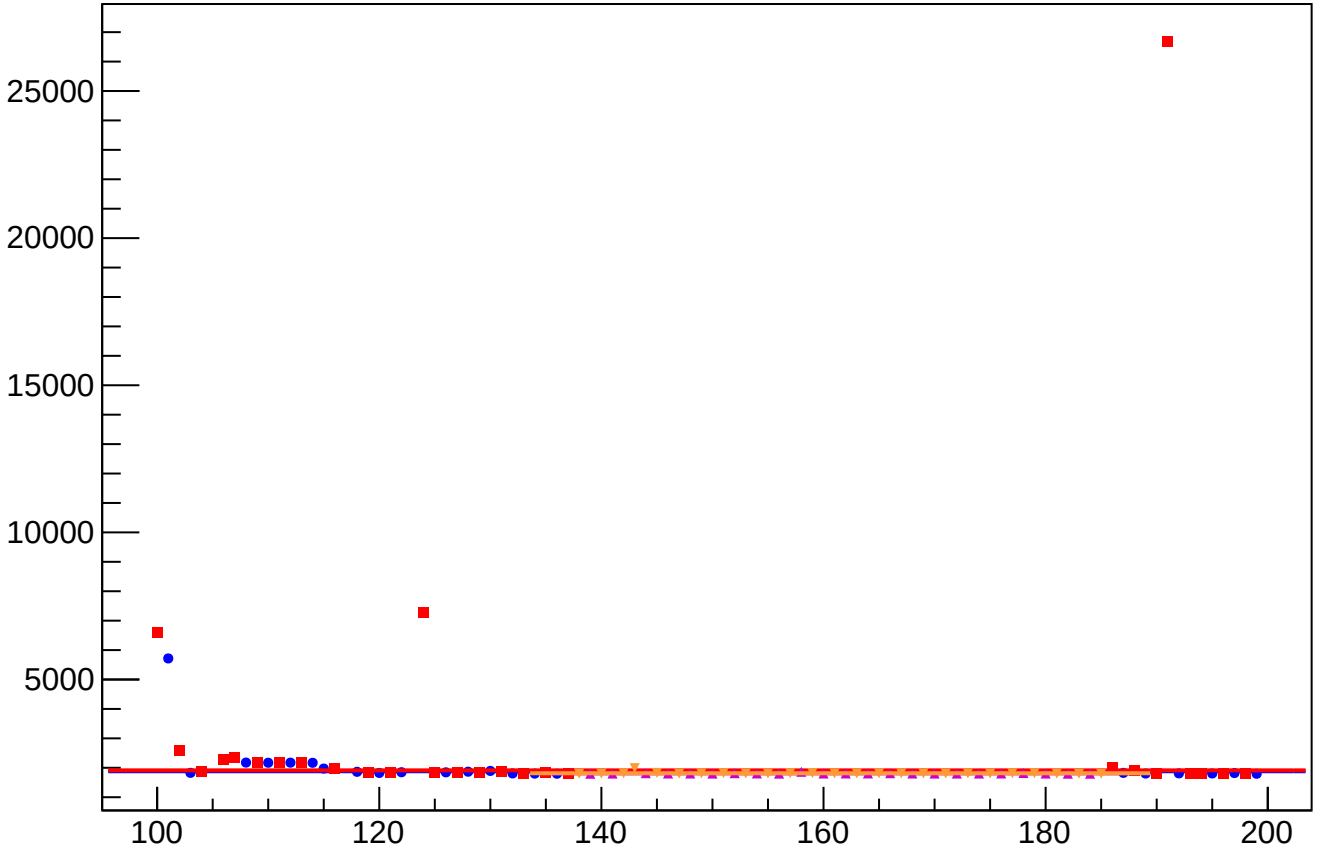
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -581.528+/-332.394 χ^2/NDF: 44.8/46

All: -62.890+/-235.745 χ^2/NDF: 99.3/96

- sign 462.039+/-334.404 χ^2/NDF: 49.6/49

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.6/21

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1912.567+/-0.387 χ^2/NDF: 733717.6/26

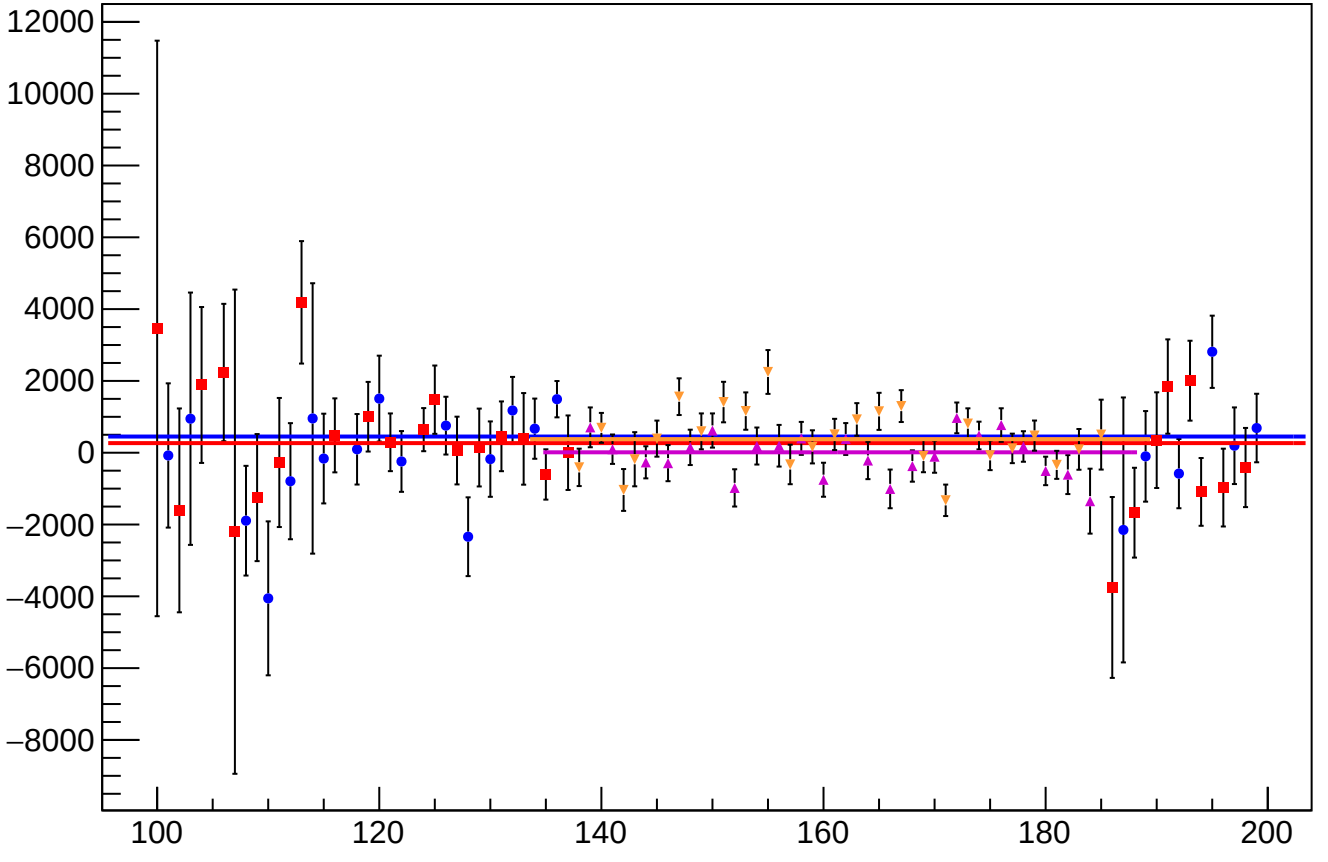
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1838.135+/-0.235 χ^2/NDF: 696238.5/46

All: 1843.368+/-0.167 χ^2/NDF: 1476587.2/96

- sign 1848.664+/-0.236 χ^2/NDF: 779351.4/49

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 450.827+/-225.317 χ^2/NDF: 28.6/21

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 267.662+/-217.149 χ^2/NDF: 25.4/26

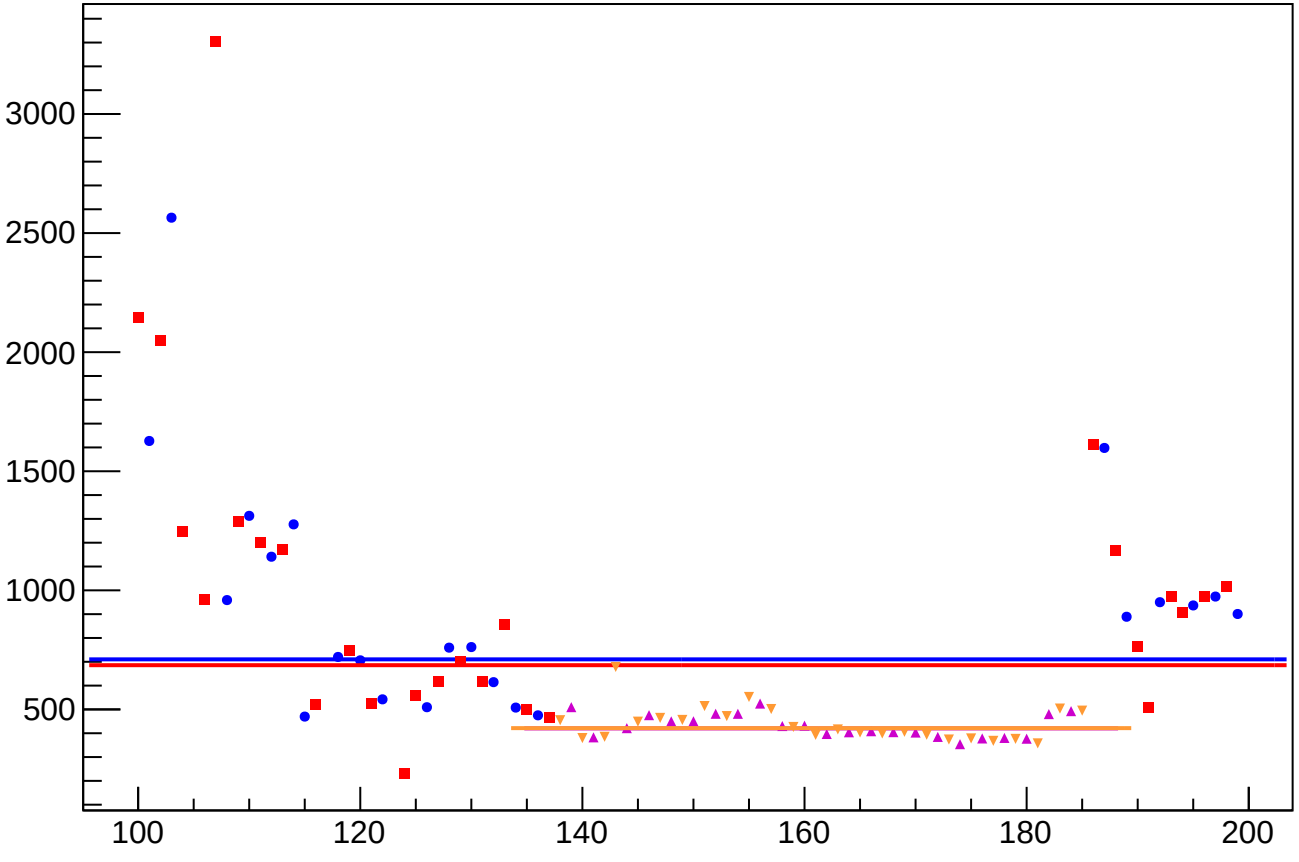
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 390.523+/-89.105 χ^2/NDF: 91.0/46

All: 224.846+/-63.342 χ^2/NDF: 155.7/96

- sign 55.596+/-90.061 χ^2/NDF: 57.7/49

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 710.215+/-0.159 χ^2/NDF: 2810400.4/21

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 685.717+/-0.154 χ^2/NDF: 4351833.7/26

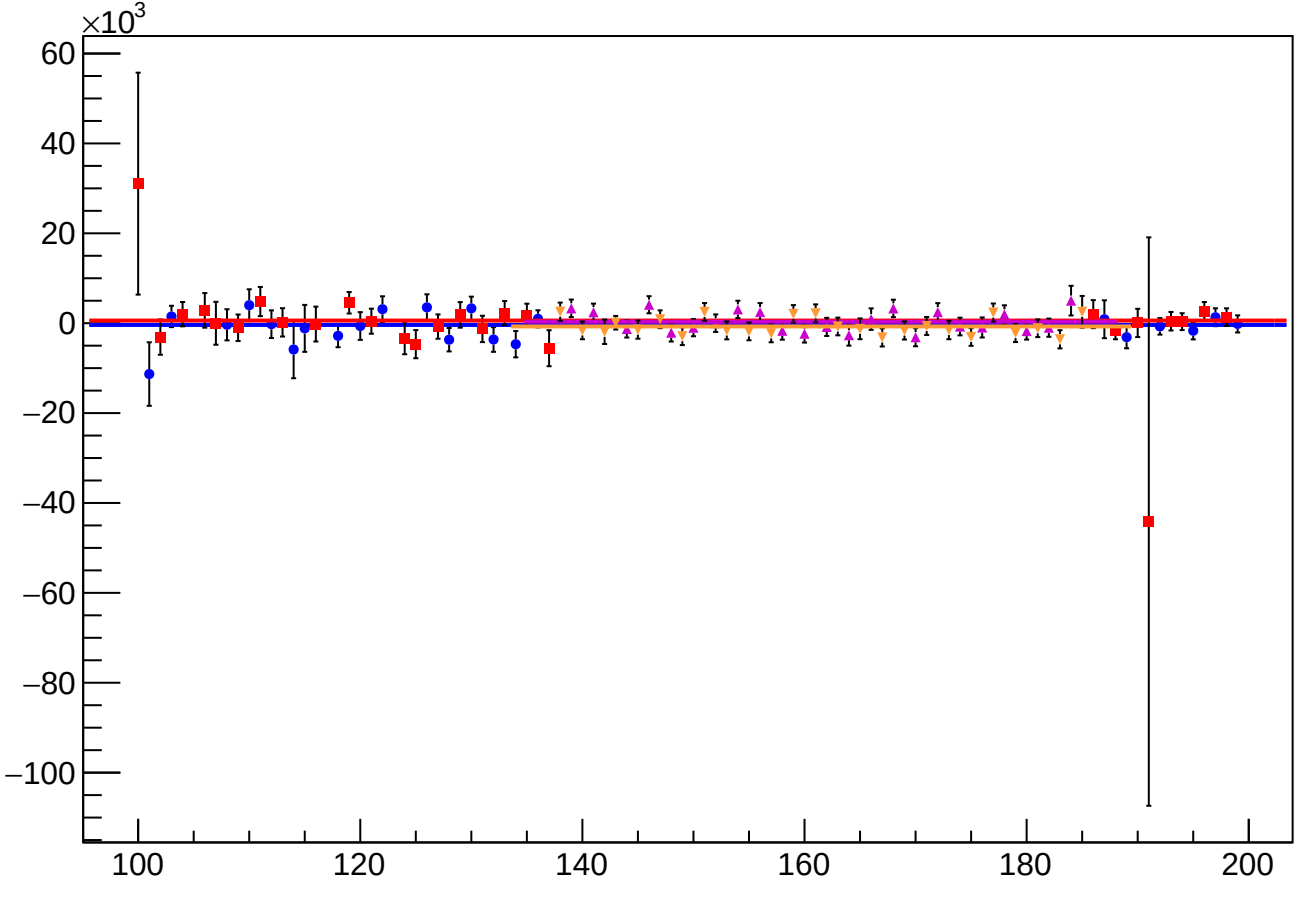
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 466.585+/-0.063 χ^2/NDF: 6325192.7/46

All: 466.240+/-0.045 χ^2/NDF: 13565750.9/96

- sign 465.887+/-0.064 χ^2/NDF: 7240497.5/49

dit_asym_at1_dd_mean vs Slug



Right In: -389.714+/-562.711 χ^2/NDF: 19.7/21

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 586.035+/-542.196 χ^2/NDF: 19.0/26

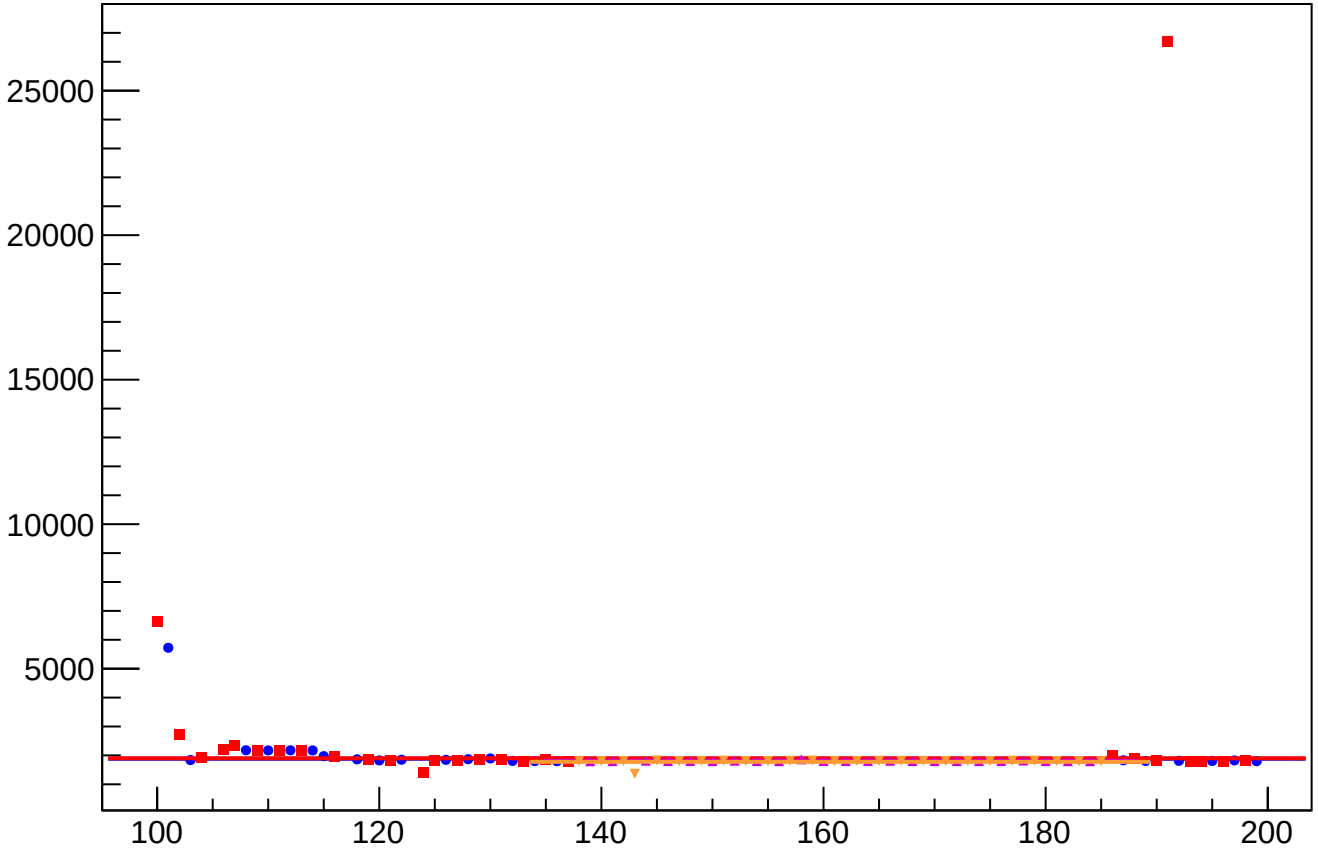
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -610.491+/-328.402 χ^2/NDF: 42.1/46

All: -96.290+/-233.976 χ^2/NDF: 95.8/96

- sign 433.812+/-333.441 χ^2/NDF: 48.7/49

dit_asym_at1_dd_rms vs Slug



Right In: 1884.259+/-0.398 χ^2/NDF: 663843.9/21

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1899.643+/-0.383 χ^2/NDF: 615895.6/26

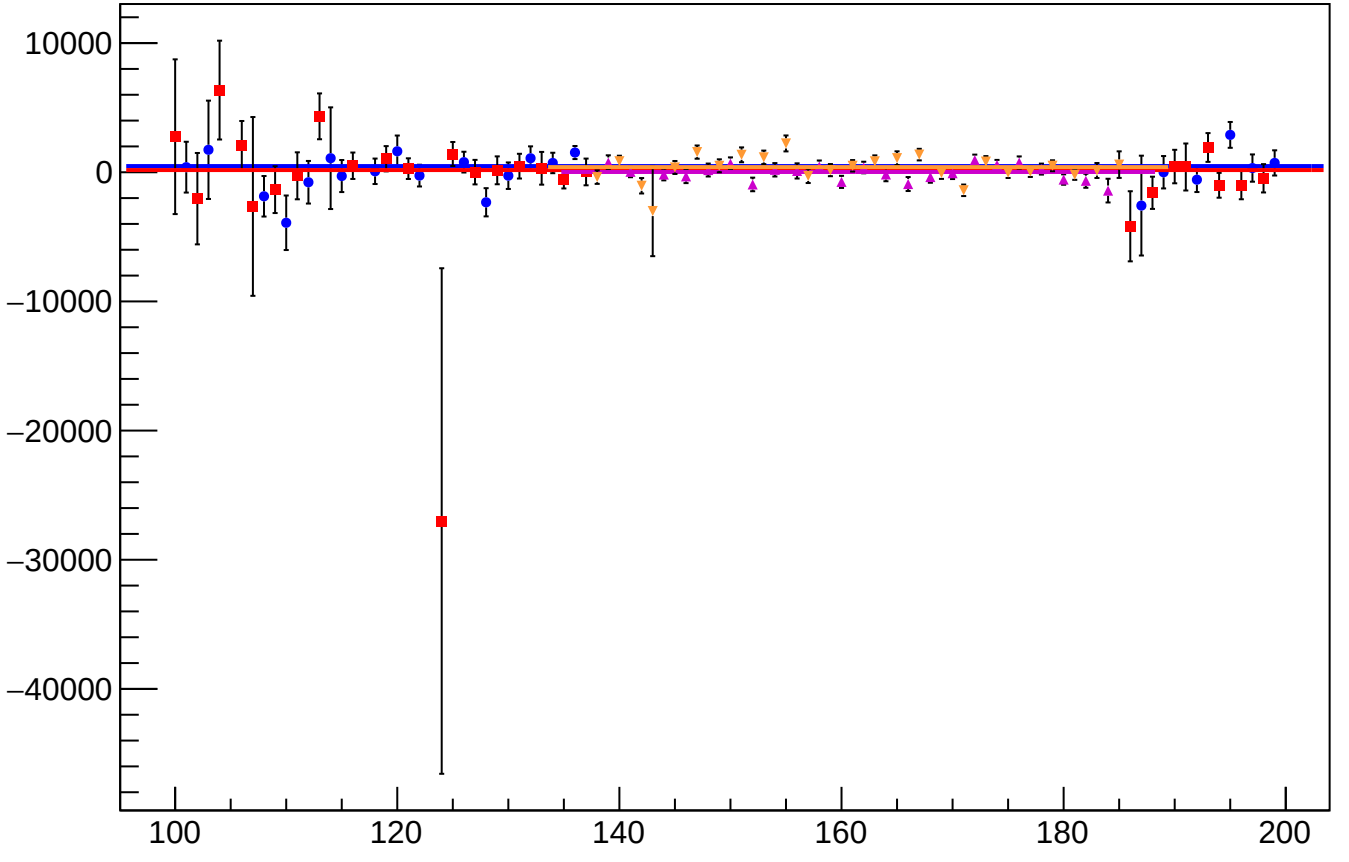
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.348+/-0.232 χ^2/NDF: 873303.7/46

All: 1828.725+/-0.165 χ^2/NDF: 1533246.6/96

- sign 1844.577+/-0.236 χ^2/NDF: 651037.8/49

asym_at1_dd_dit_correction_mean vs Slug



Right In: 478.652+/-224.095 χ^2/NDF: 29.4/21

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 169.996+/-235.531 χ^2/NDF: 26.6/26

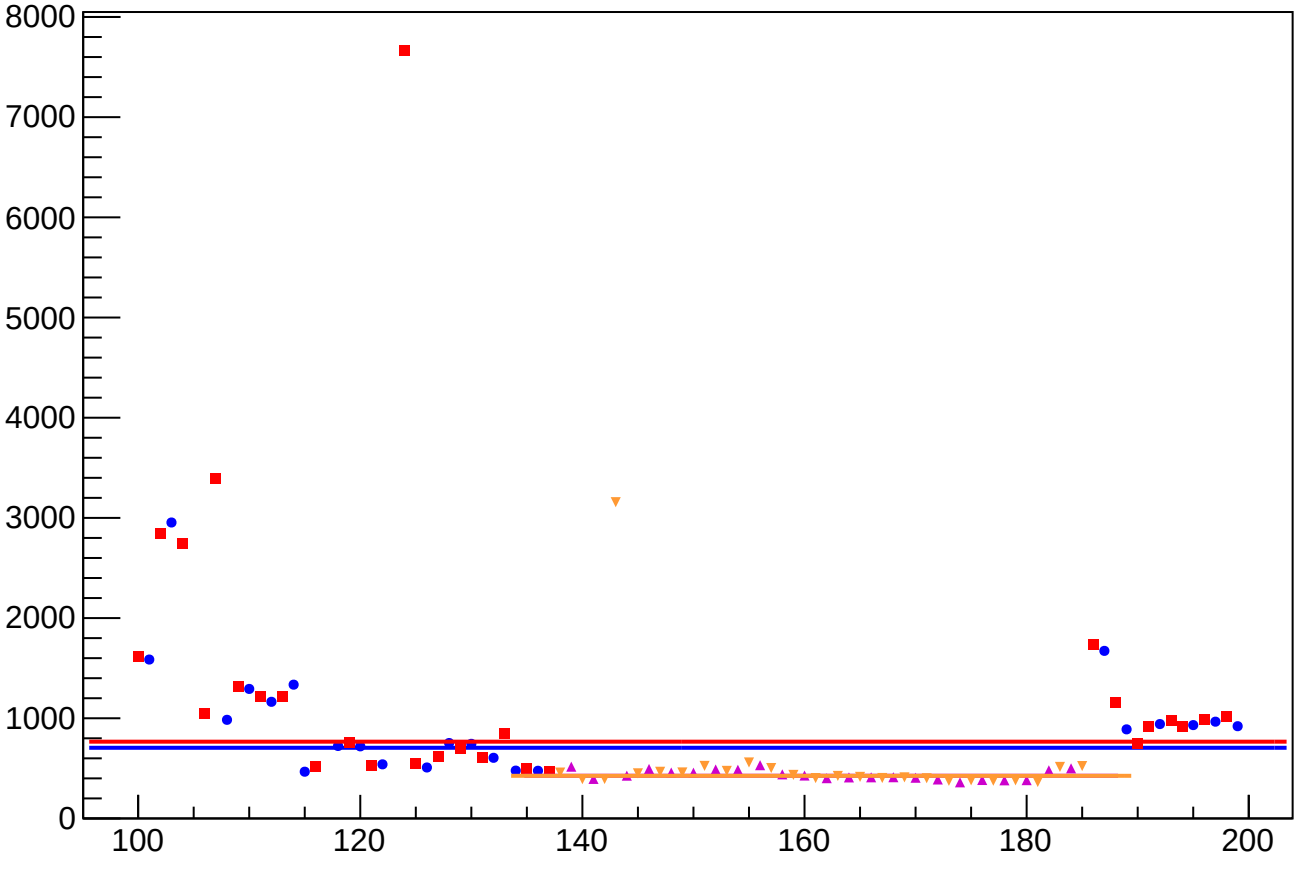
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 411.432+/-90.683 χ^2/NDF: 90.0/46

All: 230.988+/-64.670 χ^2/NDF: 155.8/96

- sign 44.241+/-92.253 χ^2/NDF: 57.7/49

asym_at1_dd_dit_correction_rms vs Slug



Right In: 705.427+/-0.158 χ^2/NDF: 3014610.3/21

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 766.424+/-0.167 χ^2/NDF: 4050246.4/26

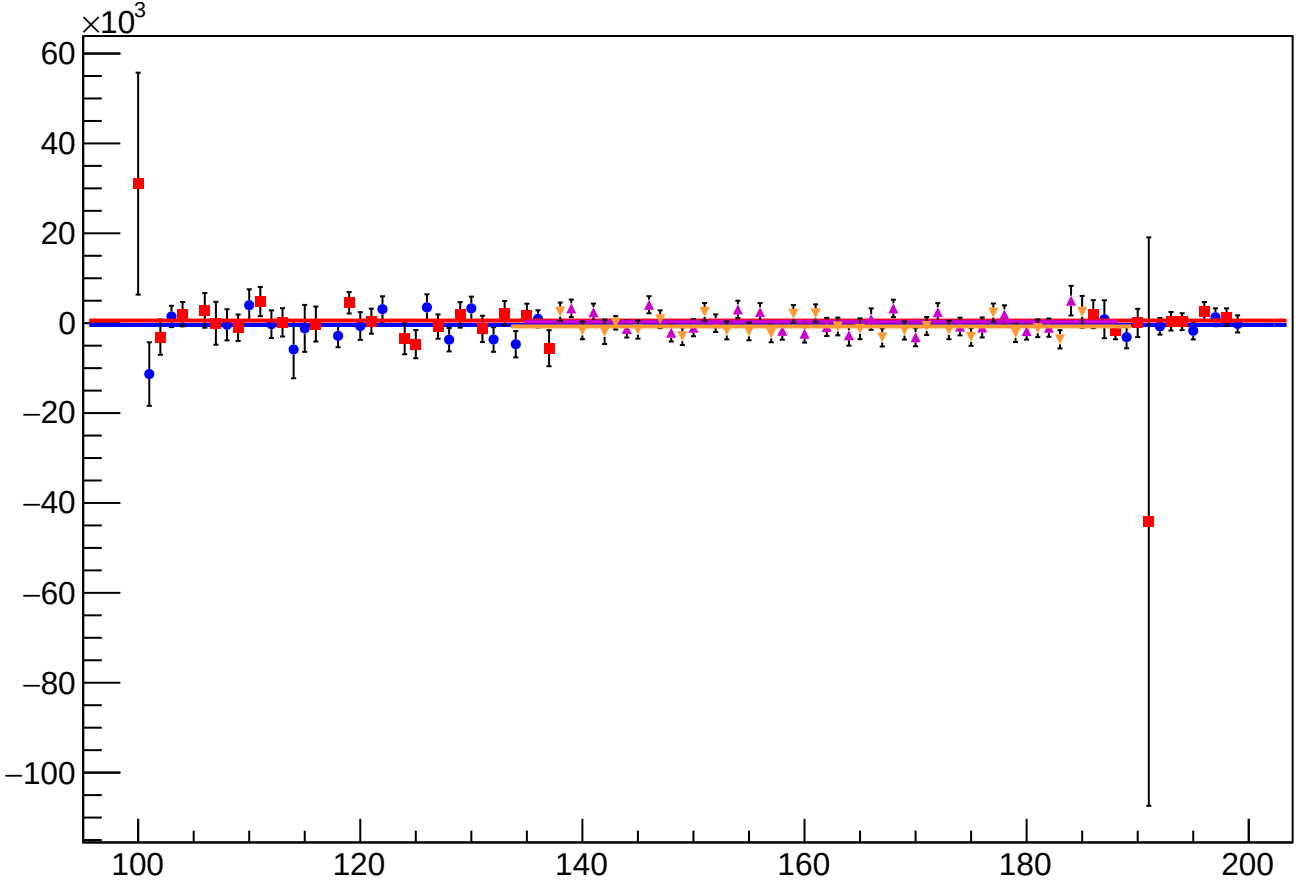
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 471.503+/-0.064 χ^2/NDF: 7338789.9/46

All: 474.867+/-0.046 χ^2/NDF: 15344129.3/96

- sign 478.348+/-0.065 χ^2/NDF: 7999739.6/49

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -389.715+/-562.711 χ^2/NDF: 19.7/21

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 586.034+/-542.196 χ^2/NDF: 19.0/26

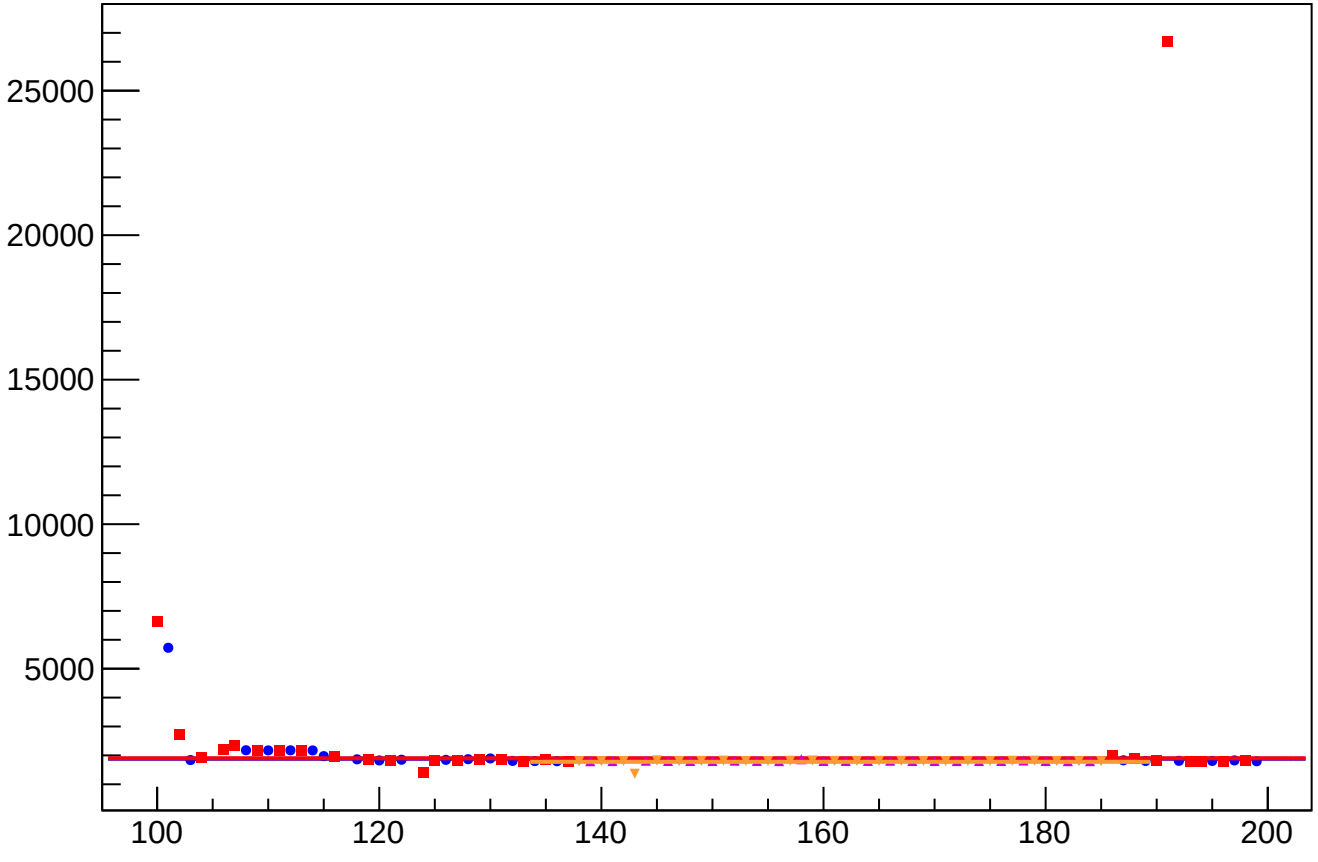
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -610.492+/-328.402 χ^2/NDF: 42.1/46

All: -96.291+/-233.976 χ^2/NDF: 95.8/96

- sign 433.811+/-333.441 χ^2/NDF: 48.7/49

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1884.259+/-0.398 χ^2/NDF: 663843.9/21

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1899.643+/-0.383 χ^2/NDF: 615895.4/26

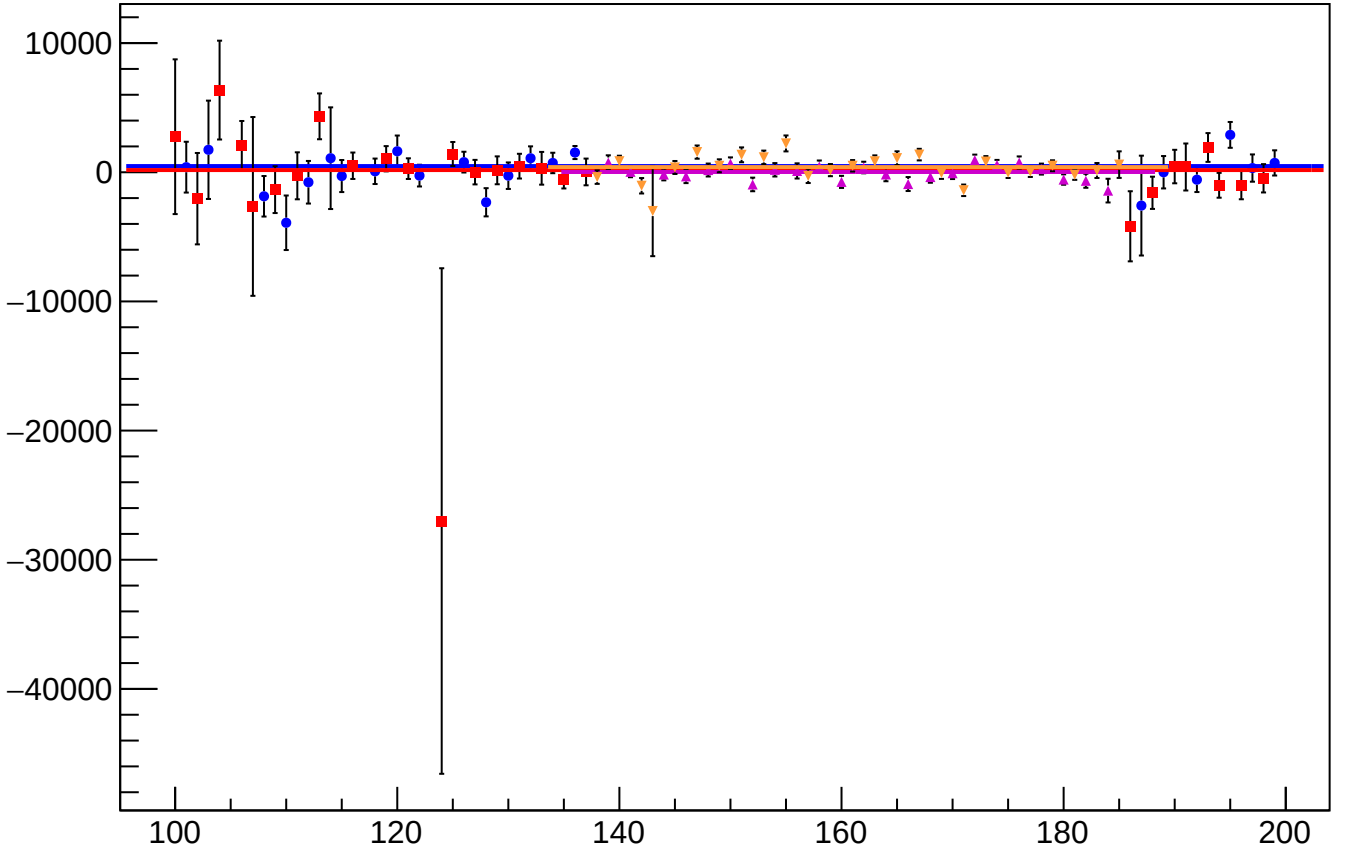
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.348+/-0.232 χ^2/NDF: 873303.6/46

All: 1828.725+/-0.165 χ^2/NDF: 1533246.4/96

- sign 1844.577+/-0.236 χ^2/NDF: 651037.6/49

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 478.650+/-224.095 χ^2/NDF: 29.4/21

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 169.996+/-235.531 χ^2/NDF: 26.6/26

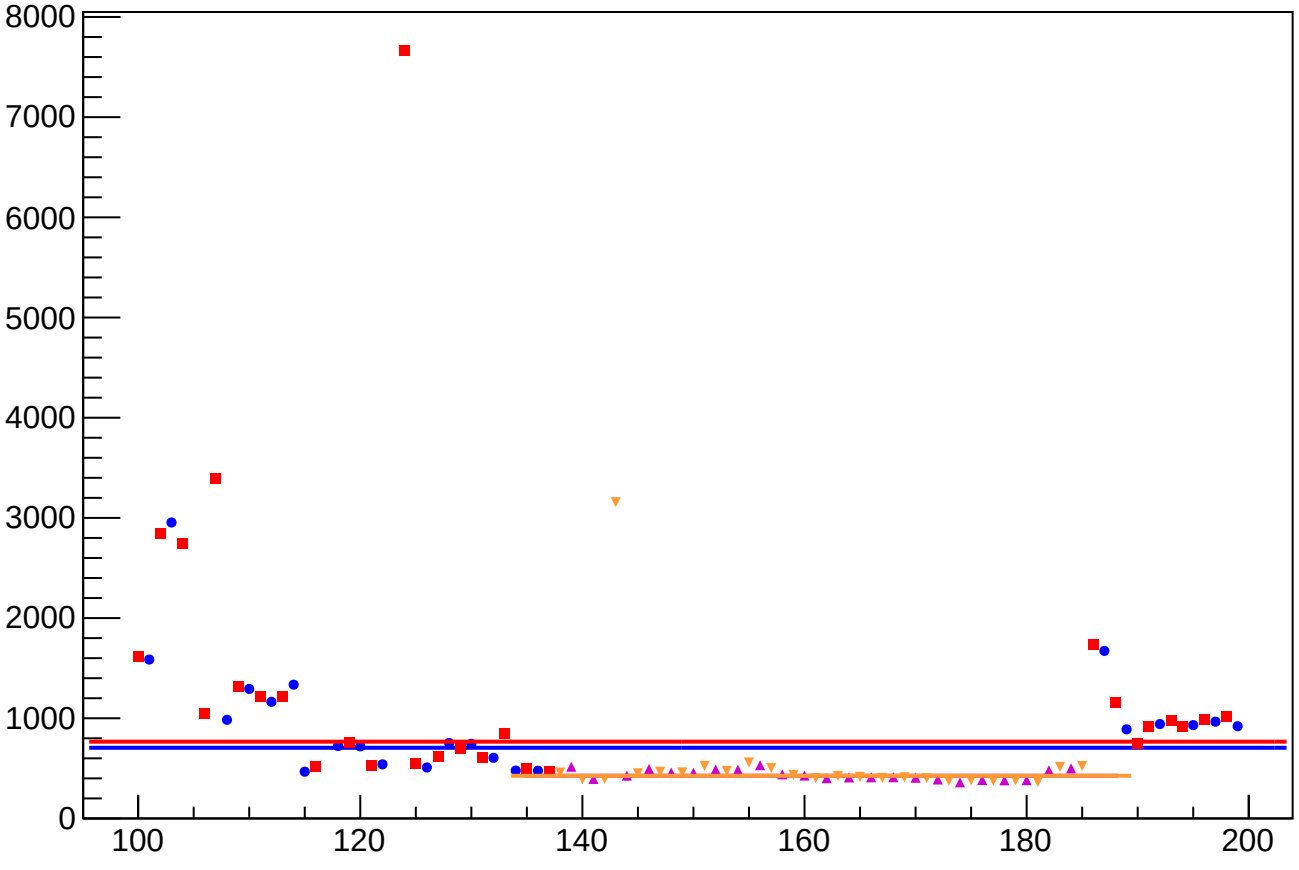
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 411.431+/-90.683 χ^2/NDF: 90.0/46

All: 230.988+/-64.670 χ^2/NDF: 155.8/96

- sign 44.241+/-92.253 χ^2/NDF: 57.7/49

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 705.427+/-0.158 χ^2/NDF: 3014611.6/21

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 766.424+/-0.167 χ^2/NDF: 4050249.8/26

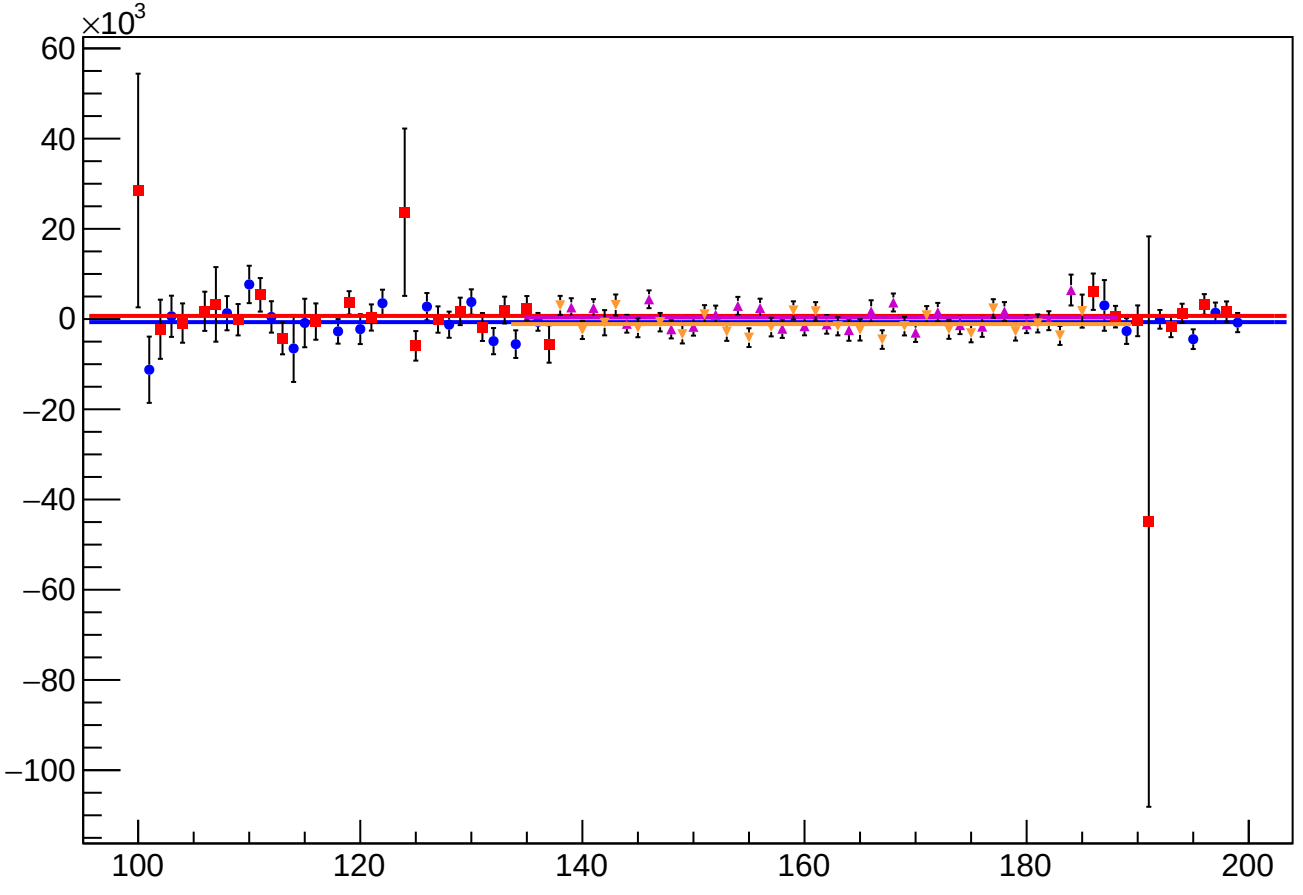
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 471.503+/-0.064 χ^2/NDF: 7338797.2/46

All: 474.867+/-0.046 χ^2/NDF: 15344145.1/96

- sign 478.348+/-0.065 χ^2/NDF: 7999748.0/49

asym_at1_dd_mean vs Slug



Right In: -677.183+/-630.565 χ^2/NDF: 23.3/21

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 698.104+/-624.133 χ^2/NDF: 20.8/26

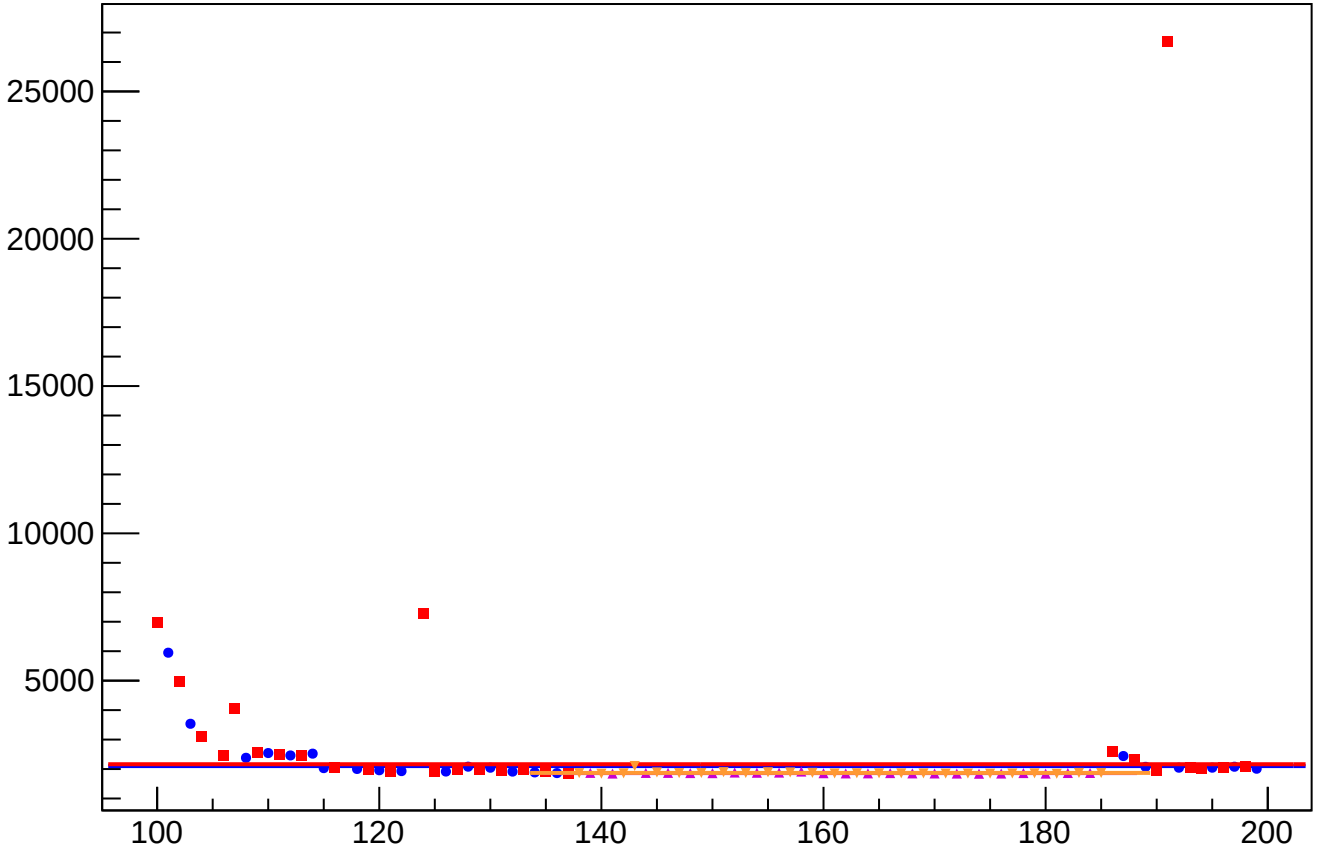
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -972.059+/-352.223 χ^2/NDF: 51.6/46

All: -264.508+/-250.677 χ^2/NDF: 109.6/96

- sign 461.730+/-356.844 χ^2/NDF: 49.8/49

asym_at1_dd_rms vs Slug



Right In: 2100.281+/-0.446 χ^2/NDF: 891065.8/21

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2163.247+/-0.441 χ^2/NDF: 1308031.5/26

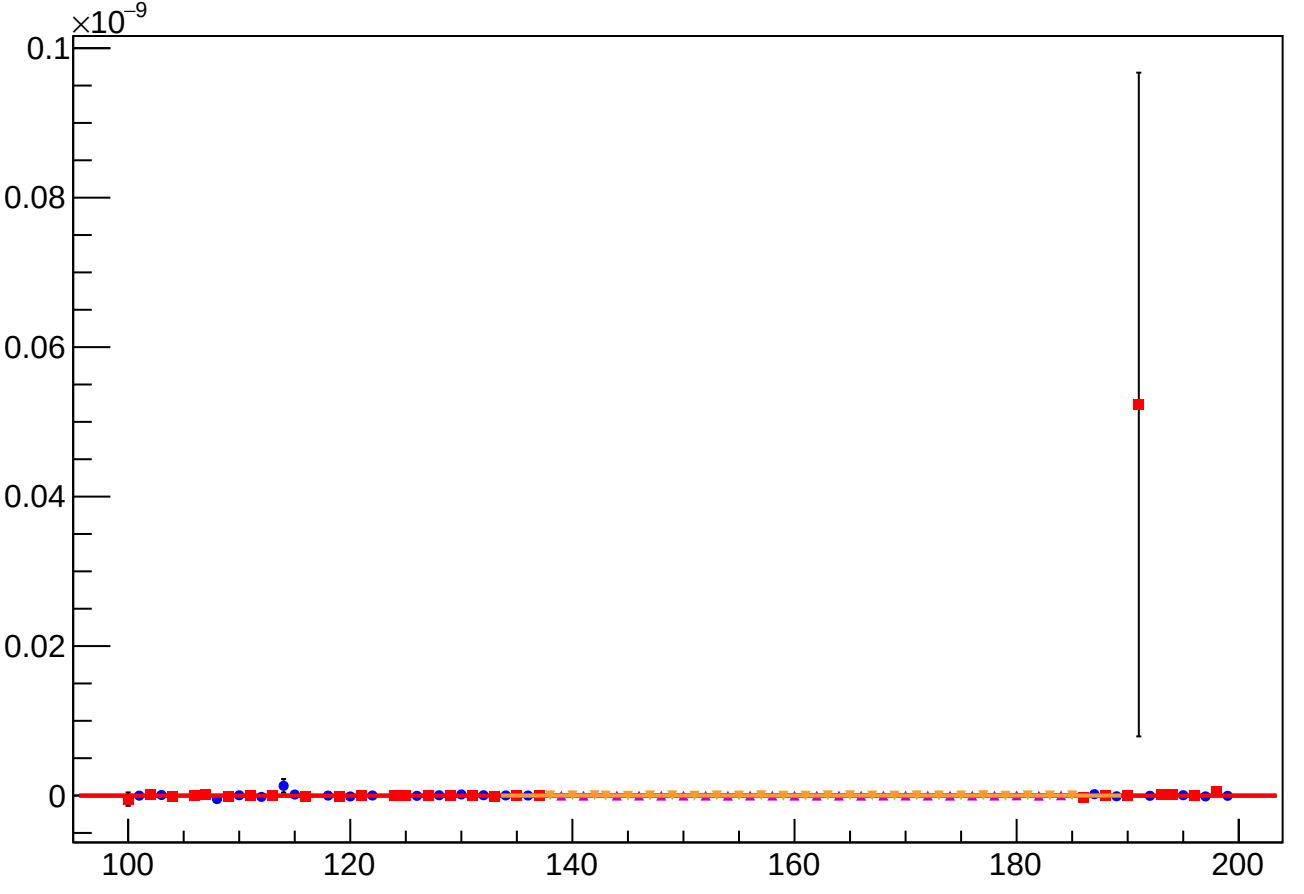
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1941.123+/-0.249 χ^2/NDF: 1099585.2/46

All: 1950.948+/-0.177 χ^2/NDF: 2725384.7/96

- 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: 22.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/26

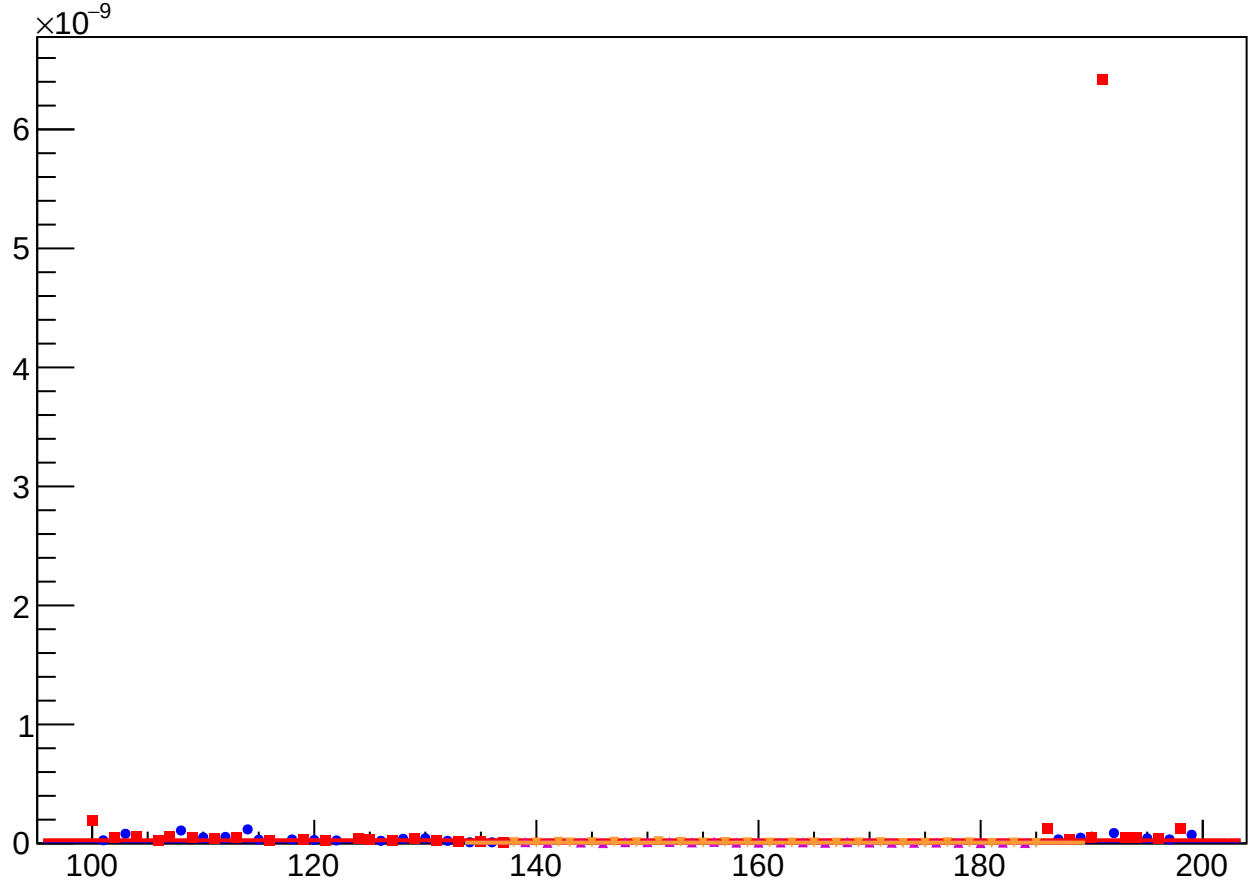
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/46

All: 0.000+/-0.000 χ^2/NDF: 110.7/96

- 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: 3774205.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2592770.8/26

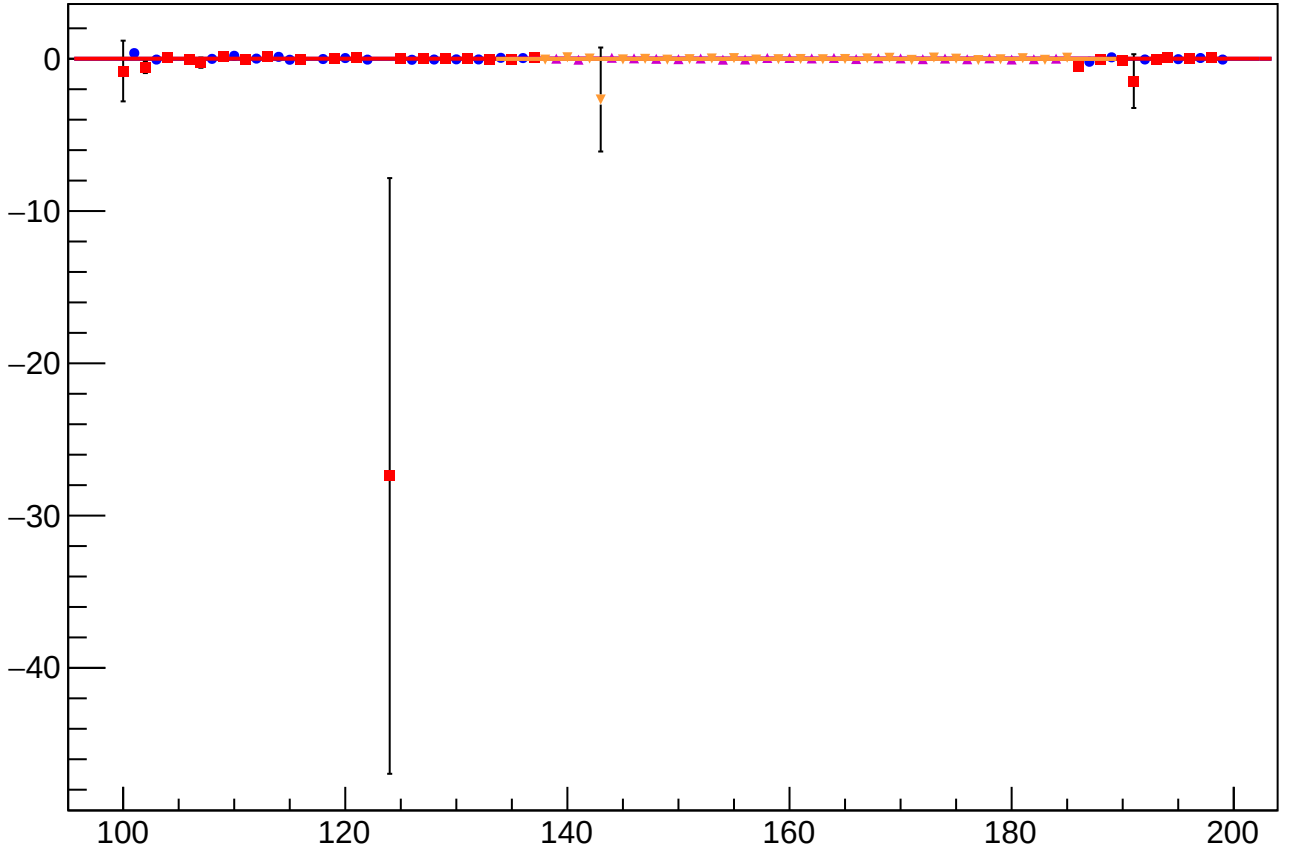
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7632907.7/46

All: 0.000+/-0.000 χ^2/NDF: 15226537.7/96

- sign 0.000+/-0.000 χ^2/NDF: 7591474.6/49

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.3/26

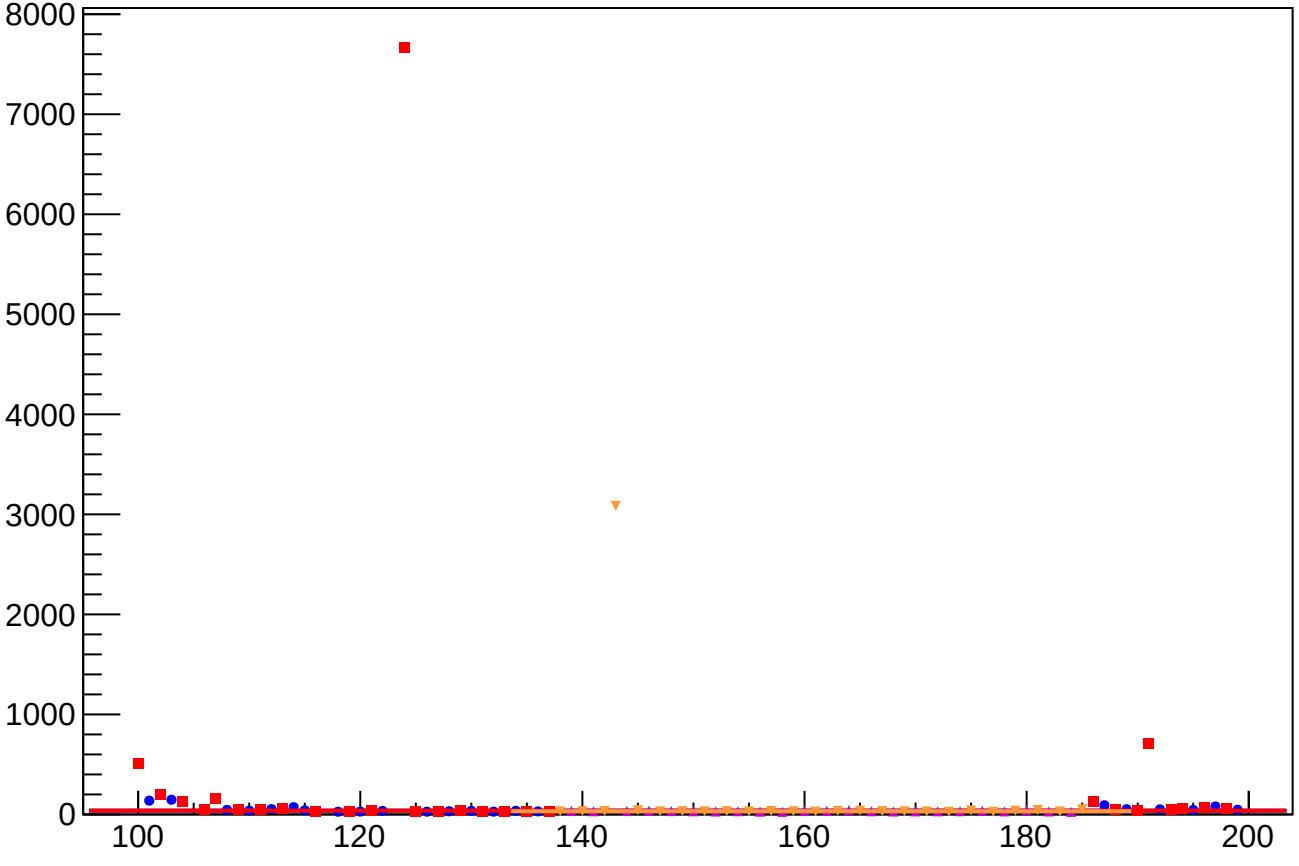
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.007 χ^2/NDF: 64.9/46

All: -0.002+/-0.005 χ^2/NDF: 112.7/96

- sign 0.004+/-0.007 χ^2/NDF: 46.2/49

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.881+/-0.009 χ^2/NDF: 2638155.0/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

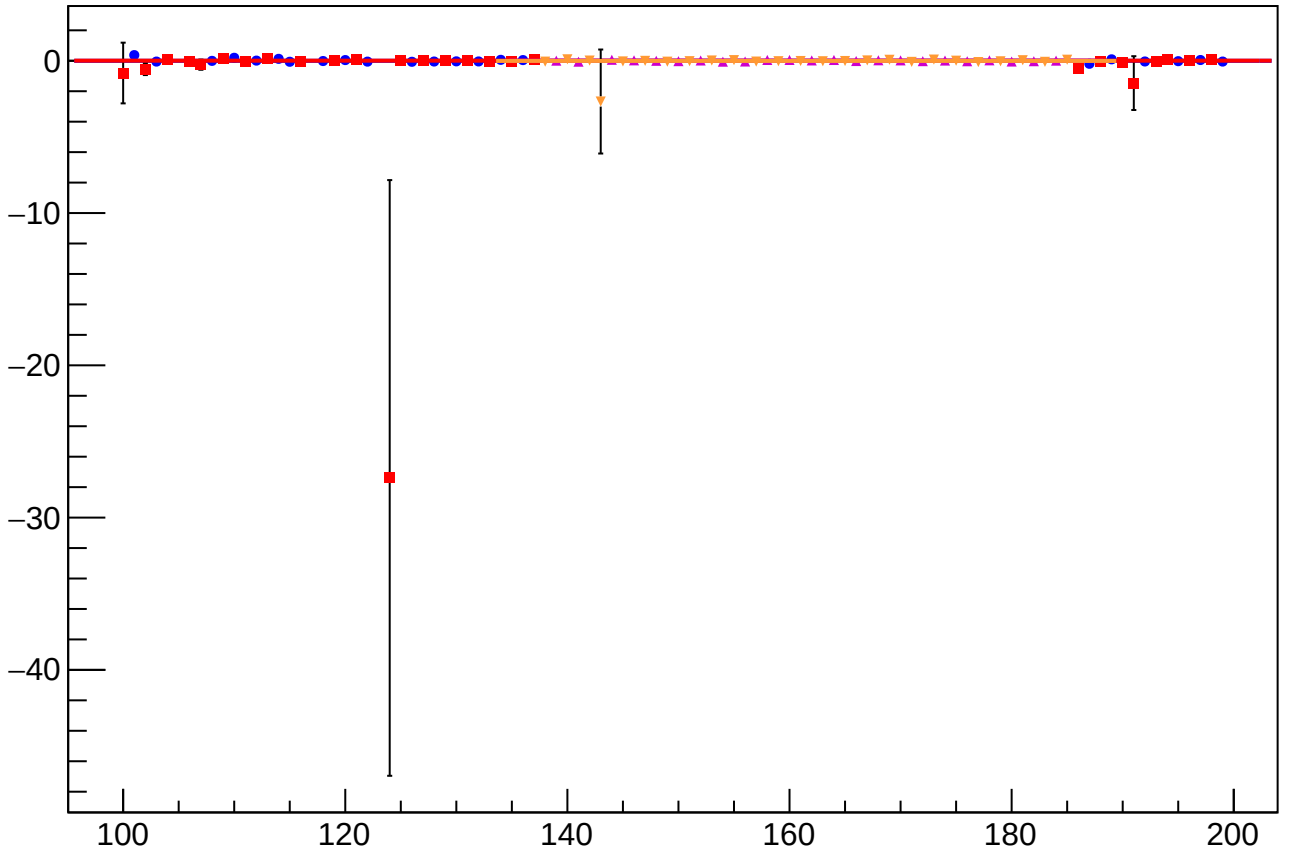
Right Out: 38.145+/-0.009 χ^2/NDF: 3801500.3/26

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.869+/-0.005 χ^2/NDF: 5022413.9/46

All: 33.971+/-0.003 χ^2/NDF: 9526208.9/96

- sign 34.073+/-0.005 χ^2/NDF: 4502940.7/49



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.3/26

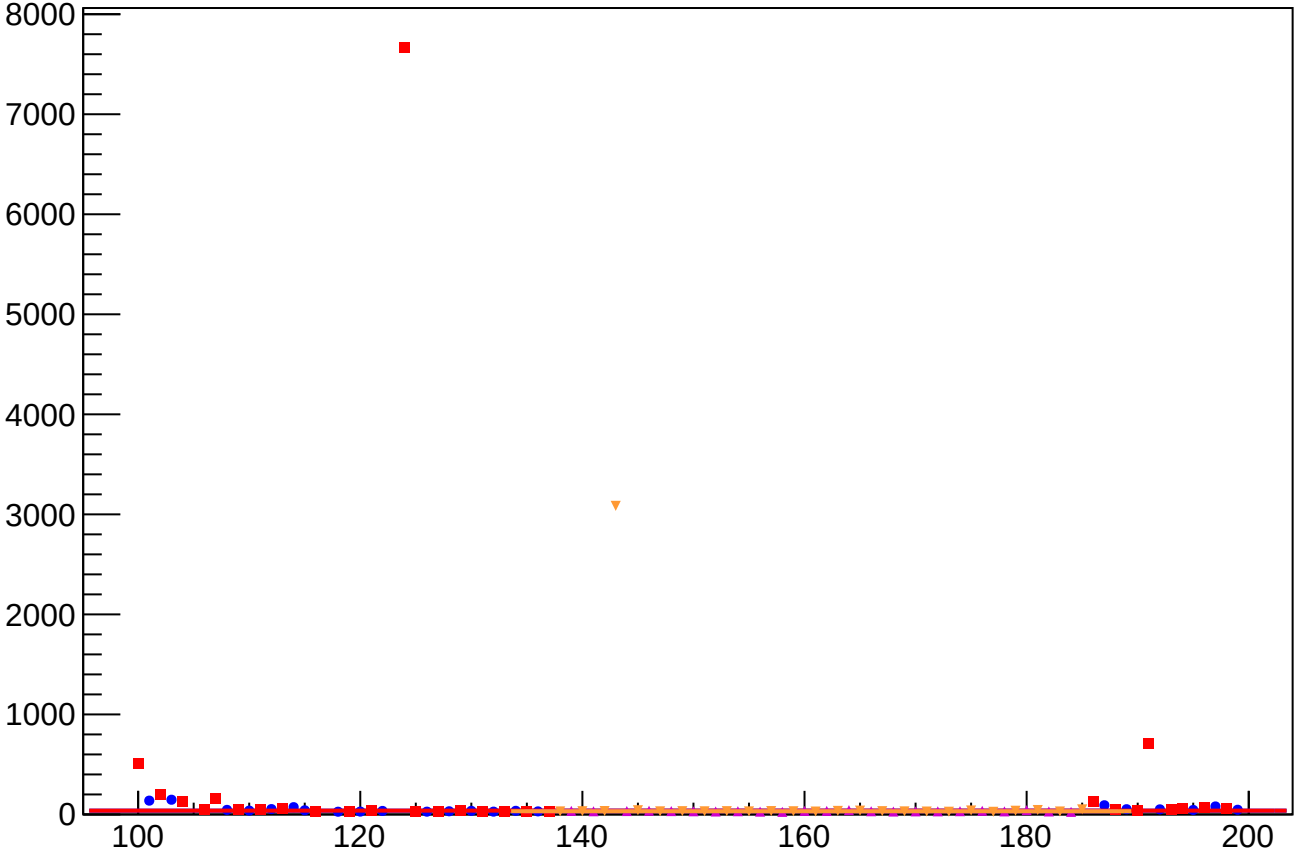
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.008+/-0.007 χ^2/NDF: 64.9/46

All: -0.002+/-0.005 χ^2/NDF: 112.7/96

\- sign 0.004+/-0.007 χ^2/NDF: 46.2/49

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.881+/-0.009 χ^2/NDF: 2638155.0/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

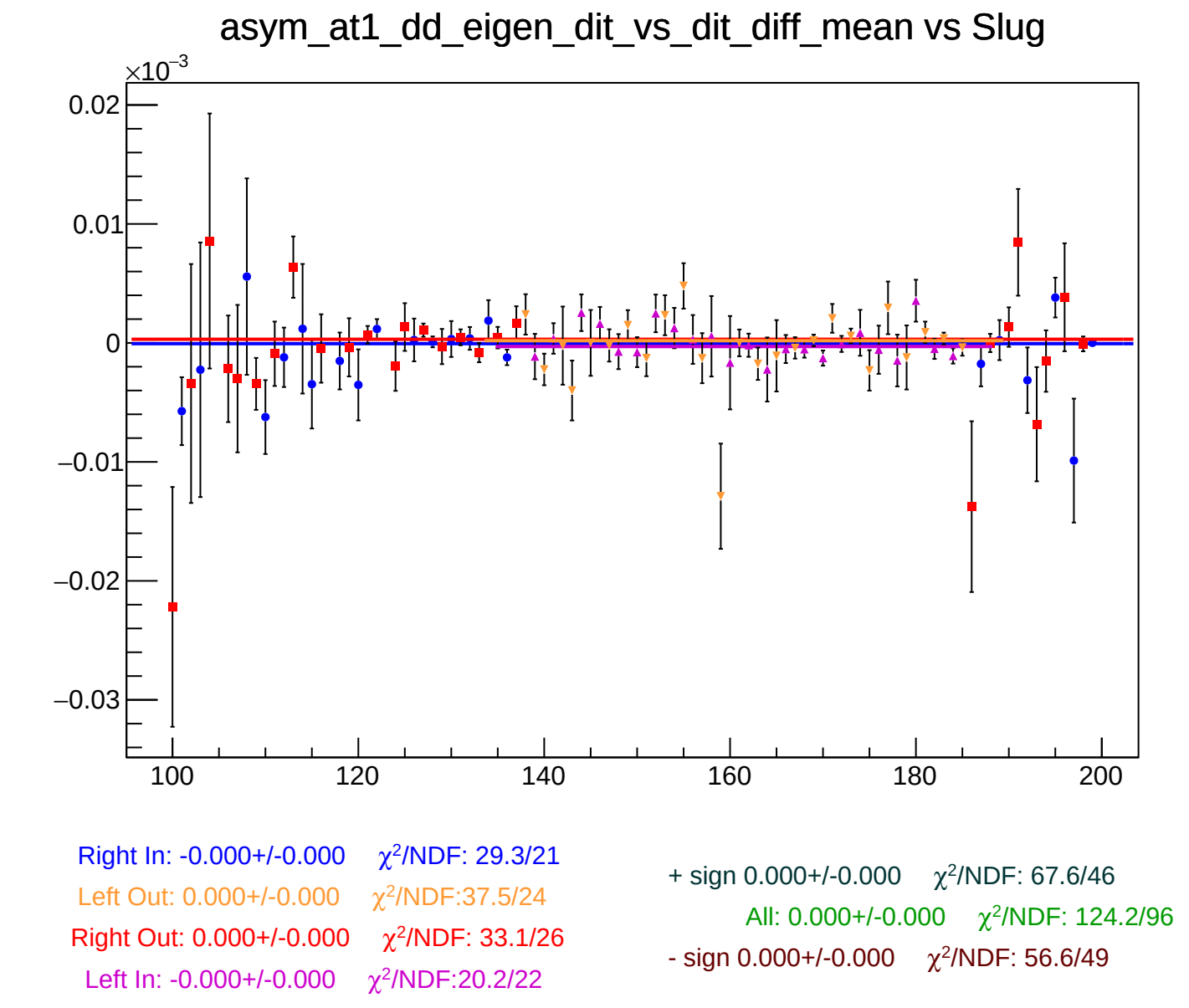
Right Out: 38.145+/-0.009 χ^2/NDF: 3801500.3/26

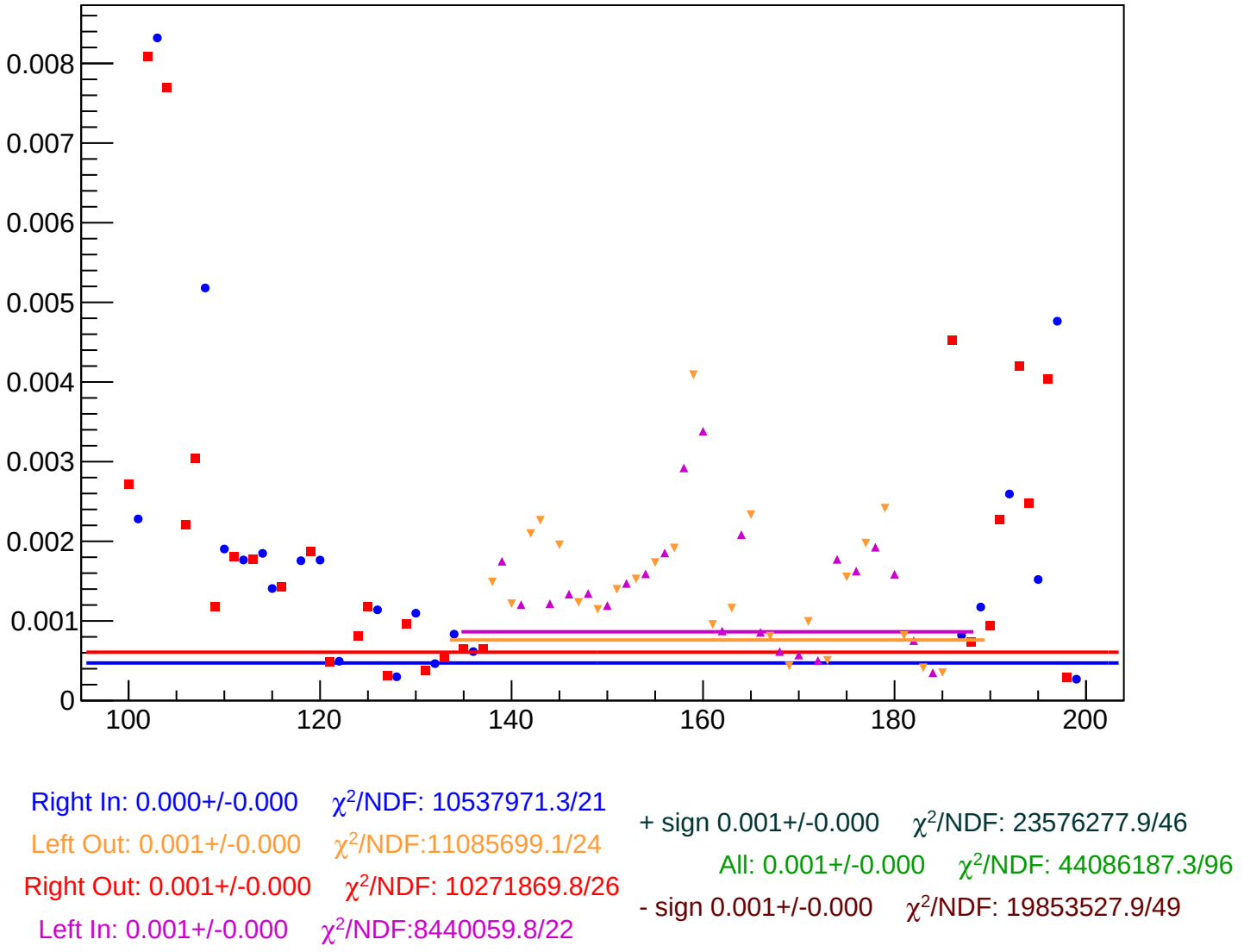
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

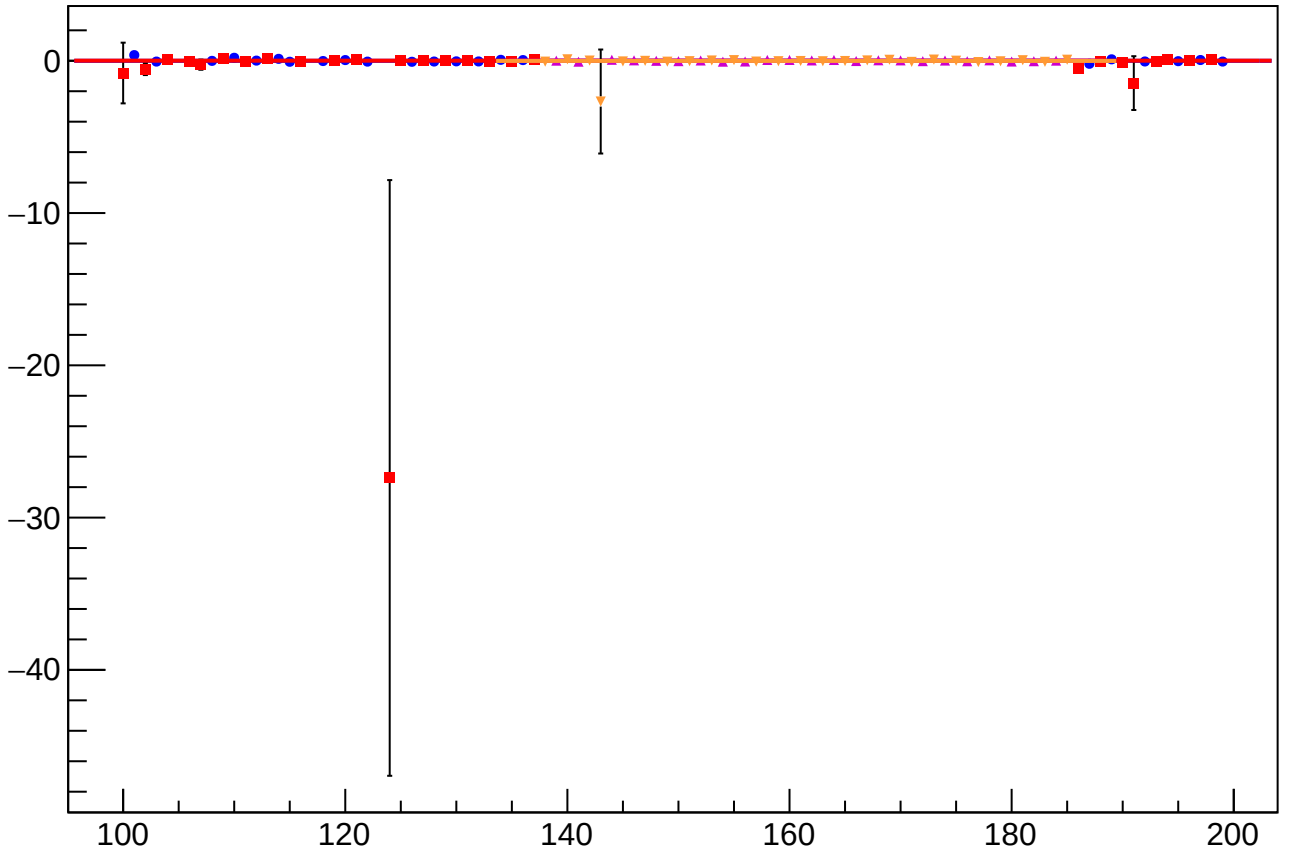
+ sign 33.869+/-0.005 χ^2/NDF: 5022413.9/46

All: 33.971+/-0.003 χ^2/NDF: 9526208.9/96

- 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: 29.3/21
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: 67.6/46
All: 0.000+/-0.000 χ²/NDF: 124.2/96
- sign 0.000+/-0.000 χ²/NDF: 56.6/49


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 10537971.3/21
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 10271869.8/26
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
+ sign 0.001+/-0.000 χ²/NDF: 23576277.9/46
All: 0.001+/-0.000 χ²/NDF: 44086187.3/96
- sign 0.001+/-0.000 χ²/NDF: 19853527.9/49



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.006+/-0.013 χ^2/NDF: 25.3/26

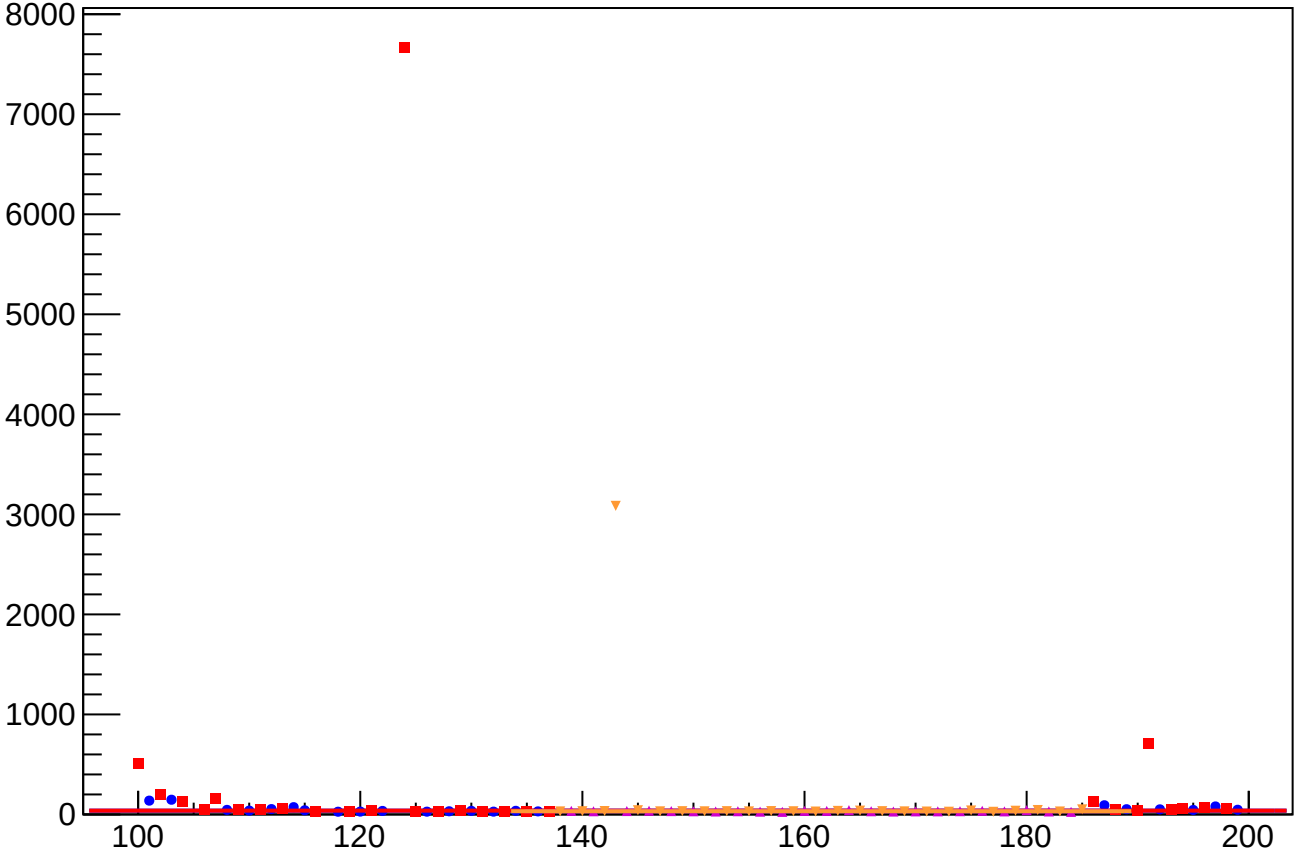
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.007 χ^2/NDF: 64.9/46

All: -0.002+/-0.005 χ^2/NDF: 112.7/96

- sign 0.004+/-0.007 χ^2/NDF: 46.2/49

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.881+/-0.009 χ^2/NDF: 2638123.6/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

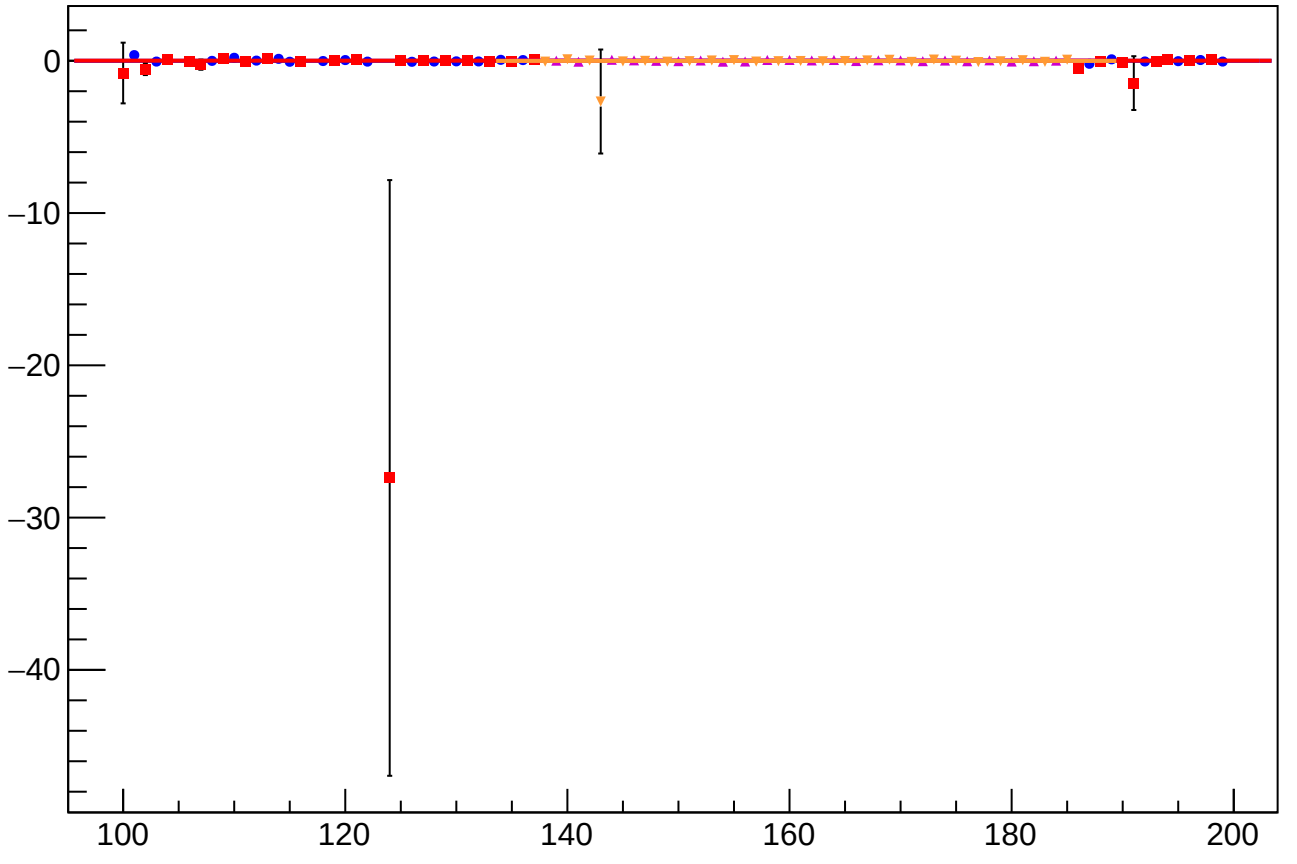
Right Out: 38.145+/-0.009 χ^2/NDF: 3801488.2/26

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.869+/-0.005 χ^2/NDF: 5022425.8/46

All: 33.971+/-0.003 χ^2/NDF: 9526093.1/96

- sign 34.073+/-0.005 χ^2/NDF: 4502811.1/49



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

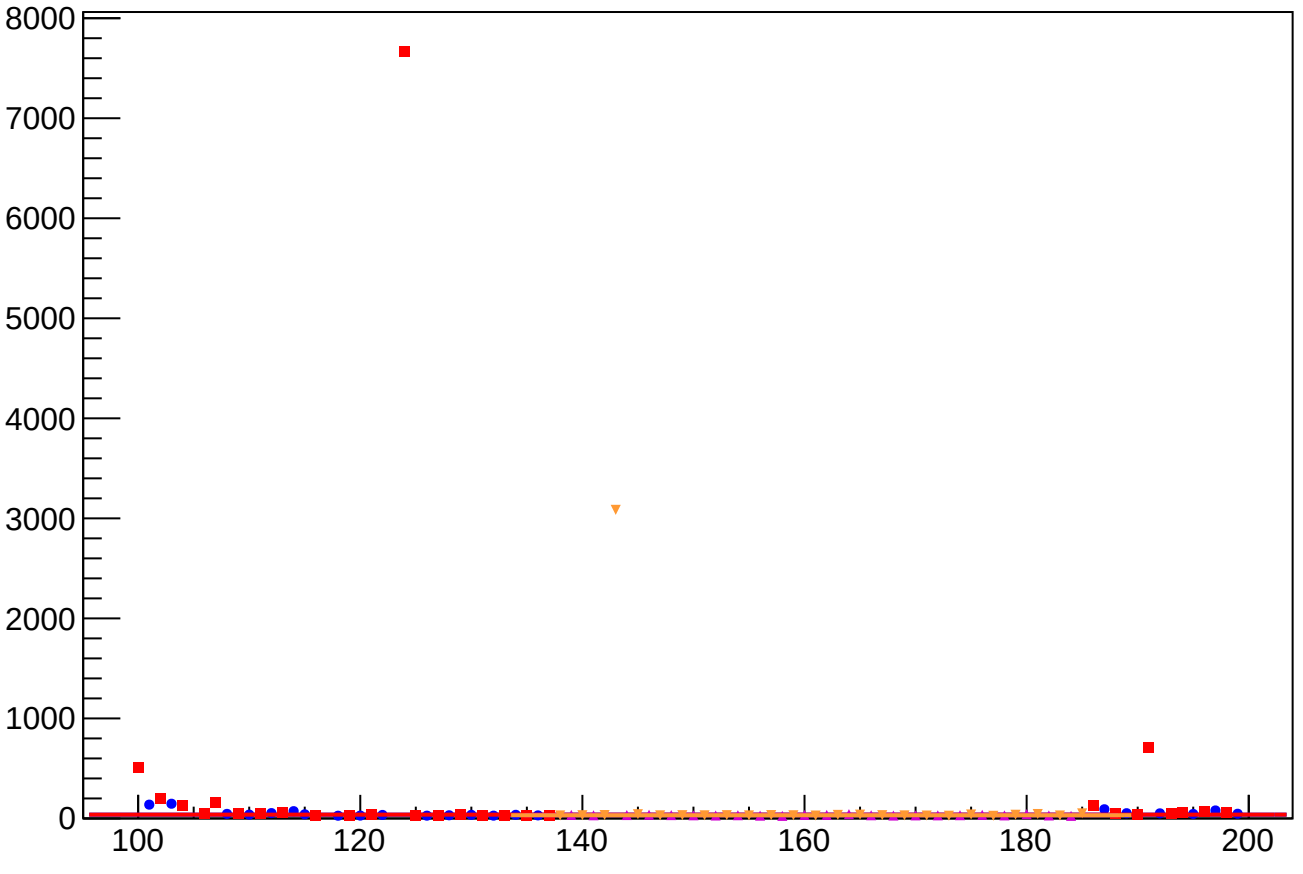
Right Out: 0.006+/-0.013 χ^2/NDF: 25.3/26

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.007 χ^2/NDF: 64.9/46

All: -0.002+/-0.005 χ^2/NDF: 112.7/96

- sign 0.004+/-0.007 χ^2/NDF: 46.2/49



Right In: 37.881+/-0.009 χ^2/NDF: 2638123.6/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

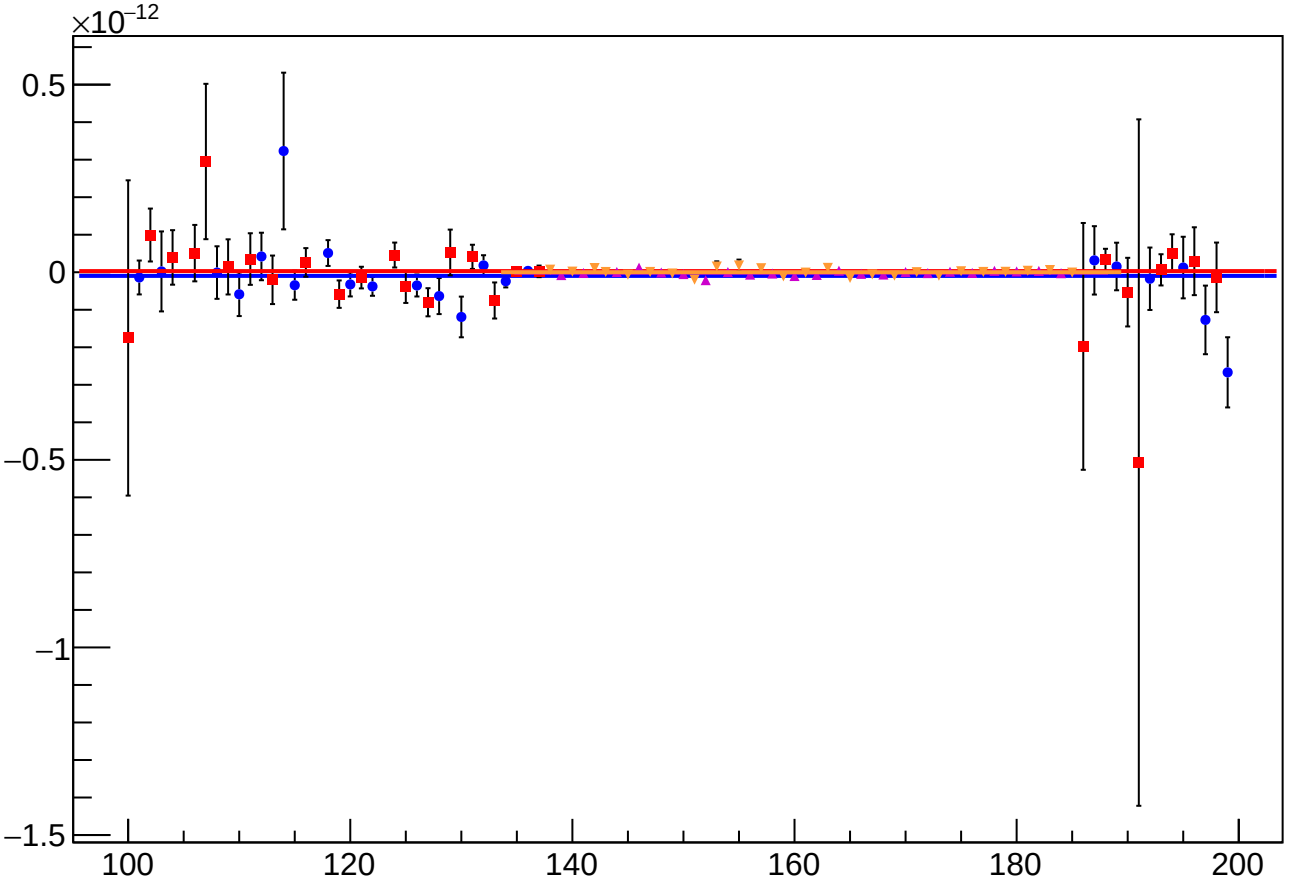
Right Out: 38.145+/-0.009 χ^2/NDF: 3801488.2/26

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.869+/-0.005 χ^2/NDF: 5022425.8/46

All: 33.971+/-0.003 χ^2/NDF: 9526093.1/96

- sign 34.073+/-0.005 χ^2/NDF: 4502811.1/49



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/26

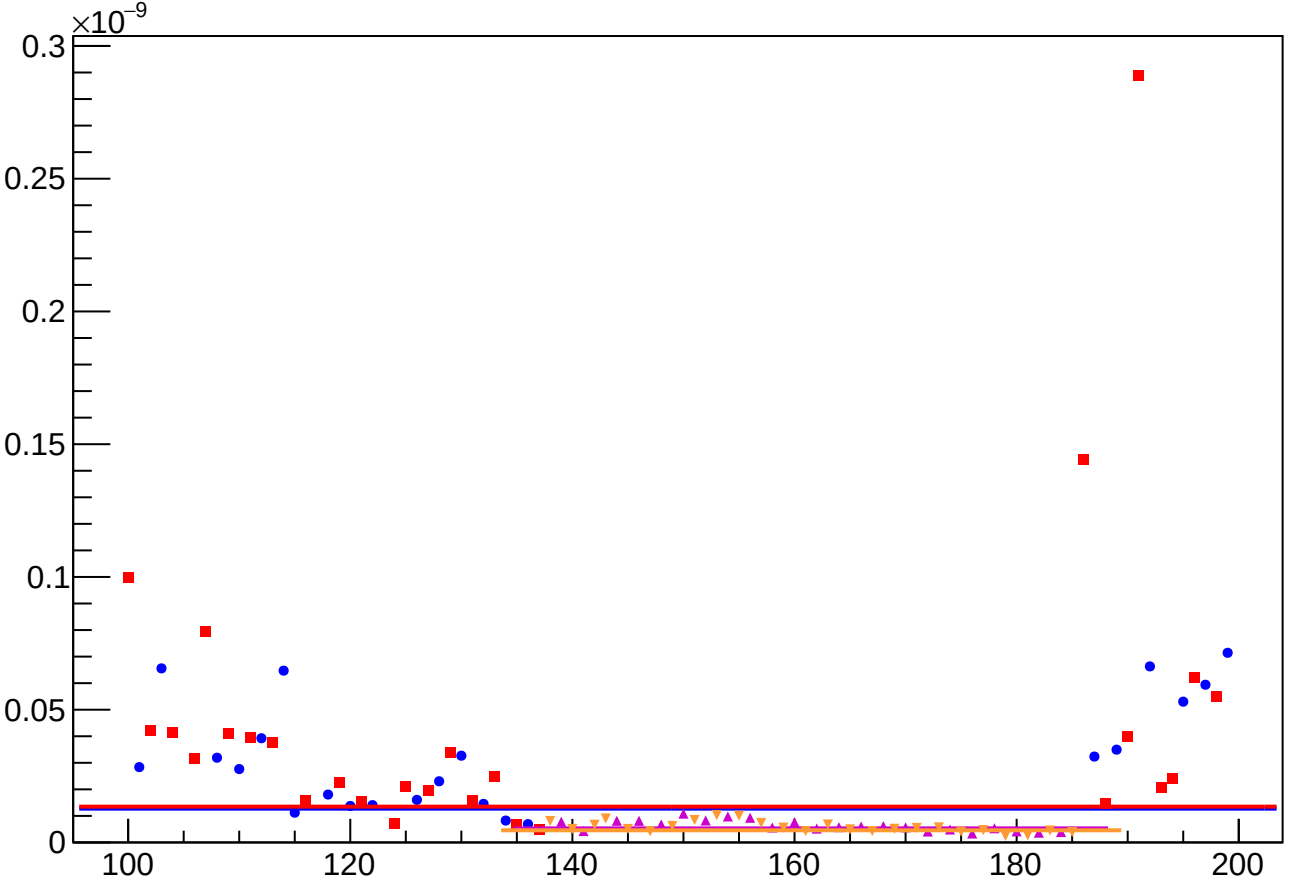
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.3/46

All: -0.000+/-0.000 χ^2/NDF: 85.9/96

- 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: 5866886.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5621735.0/26

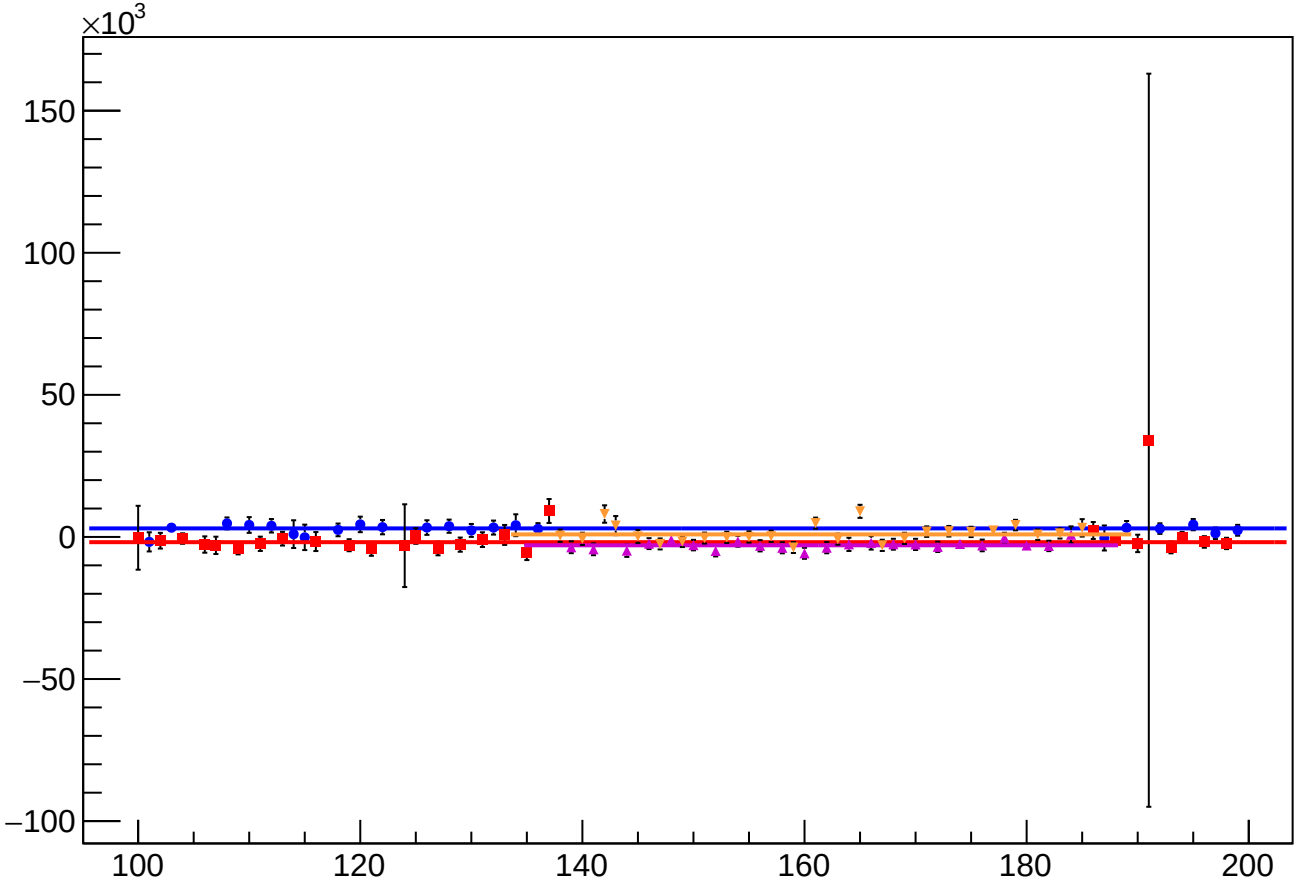
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11854486.5/46

All: 0.000+/-0.000 χ^2/NDF: 22681114.5/96

- sign 0.000+/-0.000 χ^2/NDF: 10581992.5/49

reg_asym_at2_avg_mean vs Slug



Right In: 3007.774+/-511.636 χ^2/NDF: 6.3/21

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1841.092+/-495.976 χ^2/NDF: 17.9/26

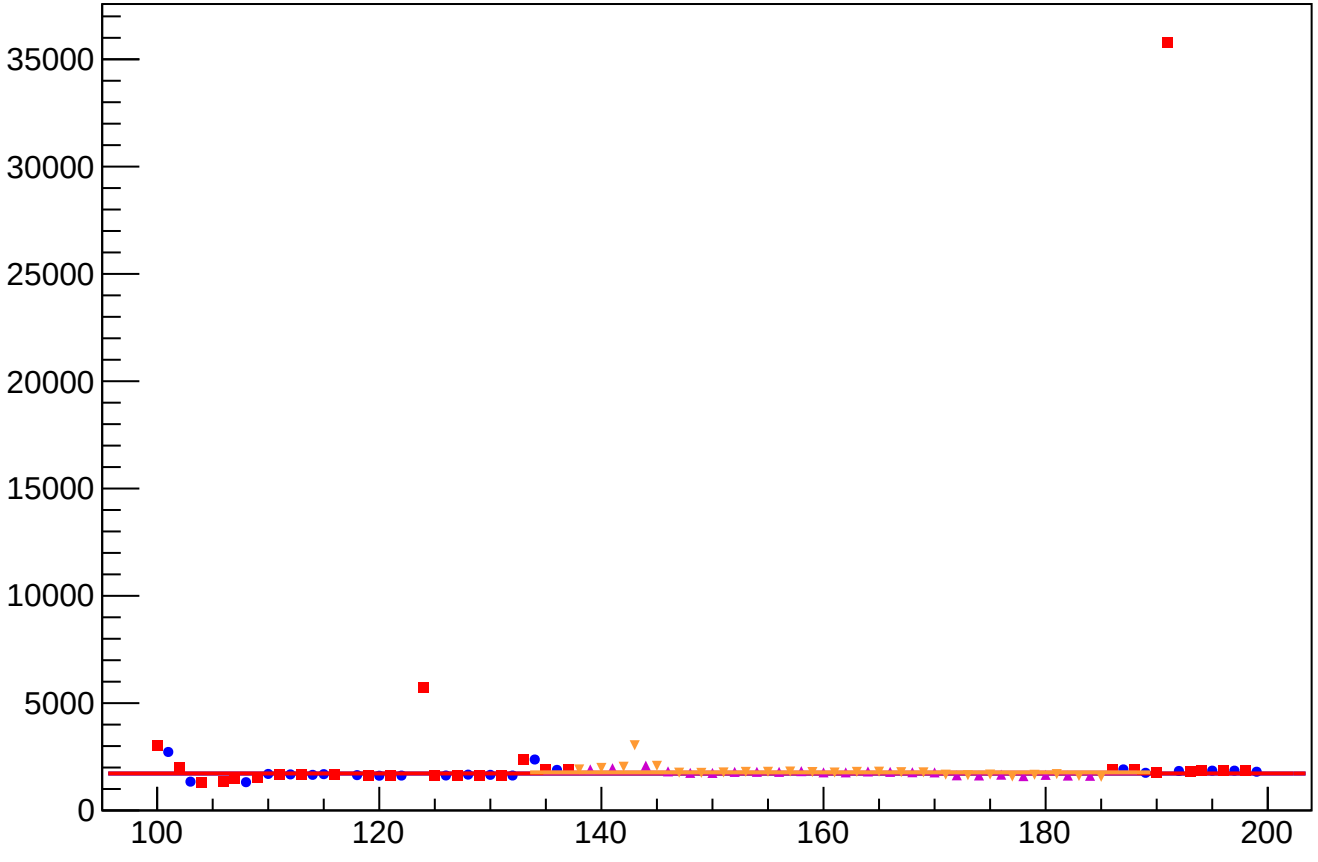
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1712.626+/-317.812 χ^2/NDF: 62.0/46

All: -395.981+/-224.422 χ^2/NDF: 181.2/96

- sign -2493.174+/-316.951 χ^2/NDF: 31.4/49

reg_asym_at2_avg_rms vs Slug



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.3/21

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.3/26

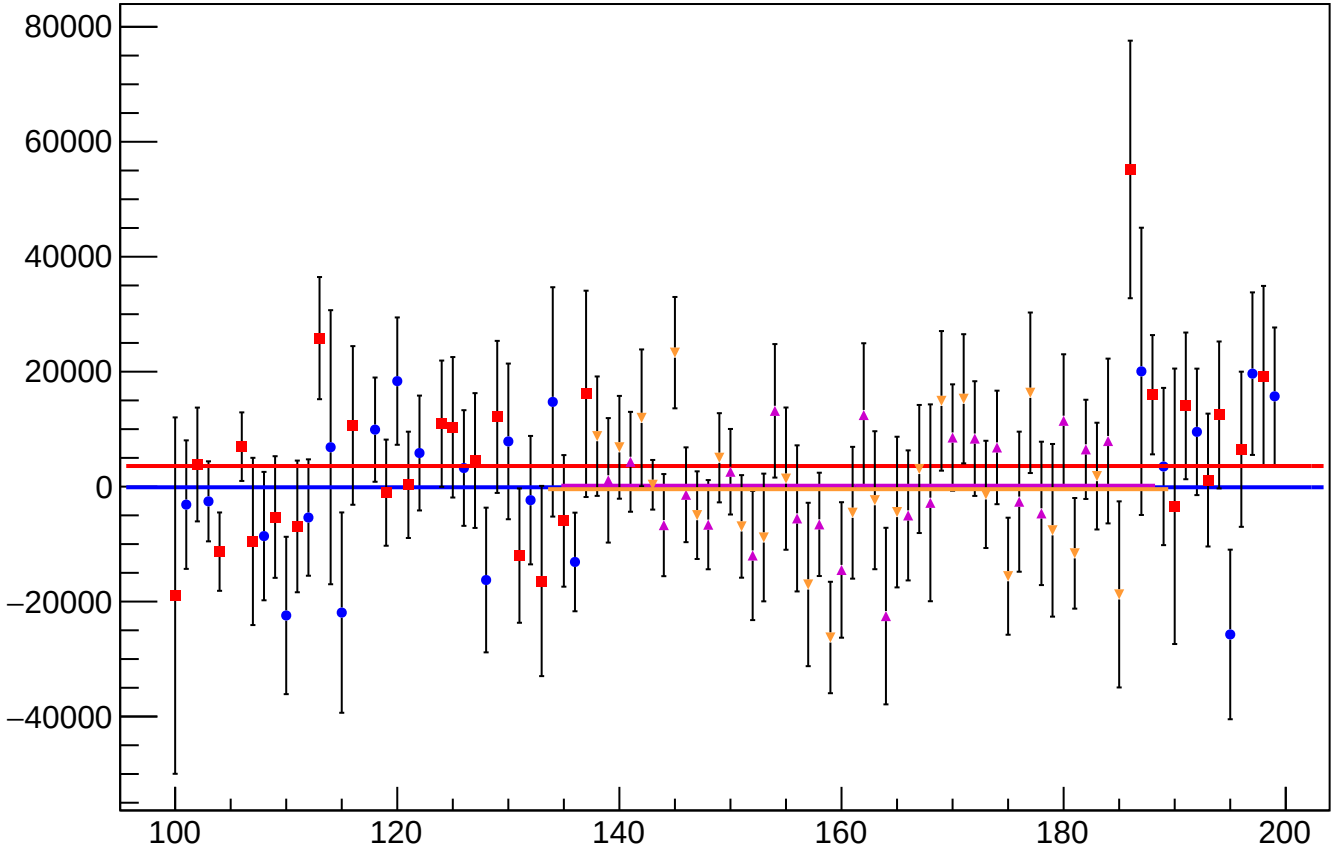
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1753.193+/-0.225 χ^2/NDF: 928193.4/46

All: 1749.674+/-0.159 χ^2/NDF: 1741992.7/96

- sign 1746.174+/-0.224 χ^2/NDF: 813310.2/49

asym_at2_avg_reg_correction_mean vs Slug



Right In: -113.486+/-2464.628 χ^2/NDF: 22.9/21

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3584.617+/-2173.590 χ^2/NDF: 27.7/26

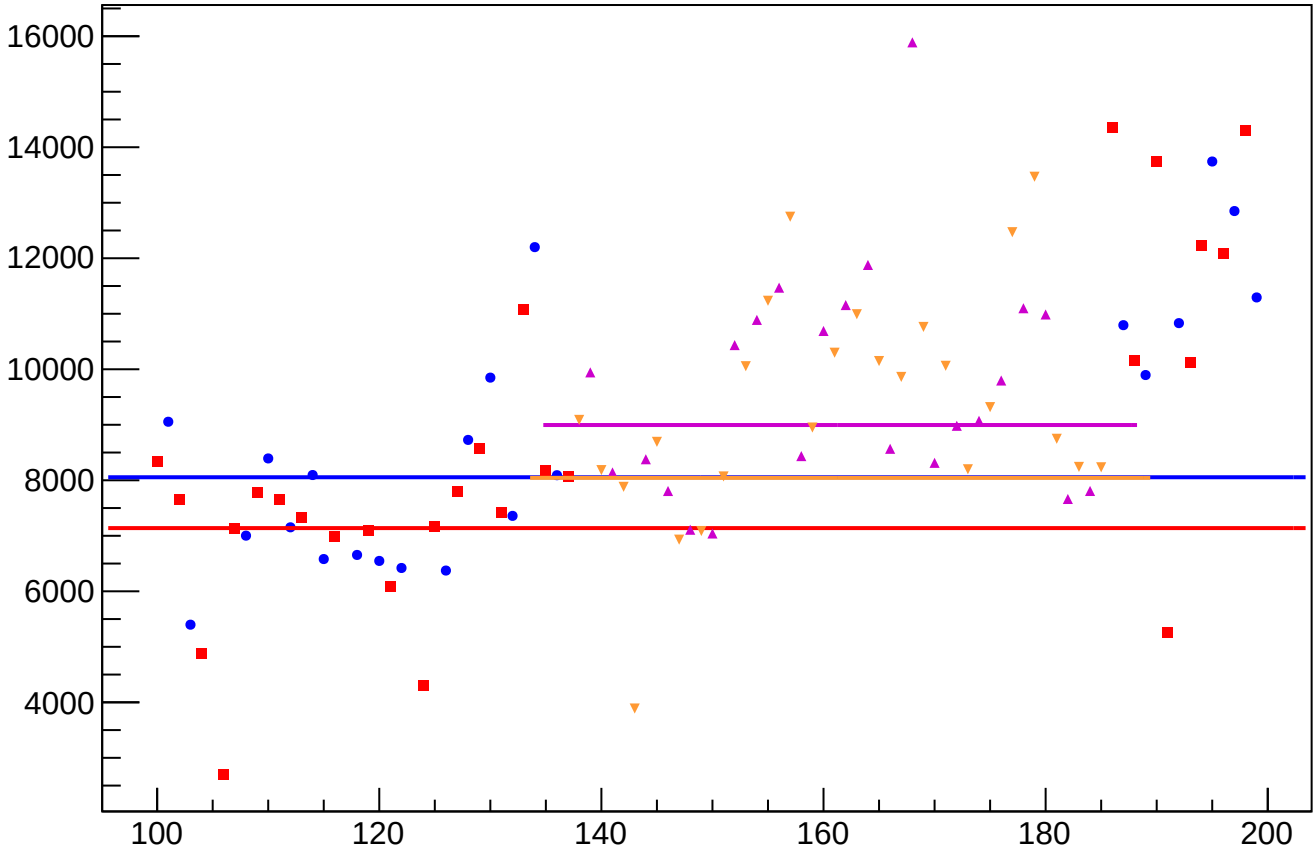
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -318.314+/-1517.389 χ^2/NDF: 52.4/46

All: 757.589+/-1076.060 χ^2/NDF: 96.1/96

- sign 1846.033+/-1526.206 χ^2/NDF: 42.7/49

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8054.706+/-1.743 χ^2/NDF: 1546423.4/21

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7138.692+/-1.537 χ^2/NDF: 3379101.3/26

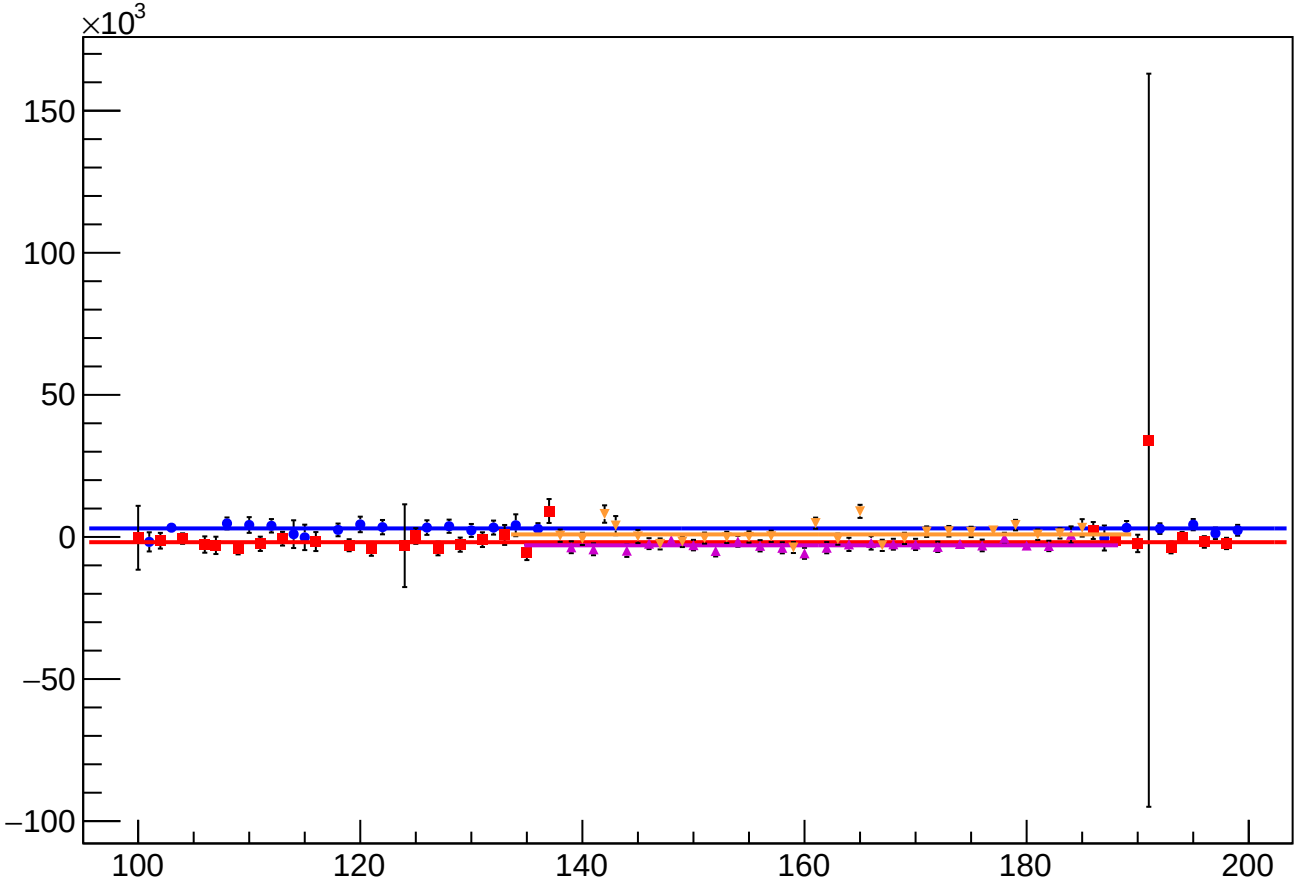
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8047.955+/-1.073 χ^2/NDF: 4909286.1/46

All: 8063.936+/-0.761 χ^2/NDF: 10236002.8/9

- sign 8080.104+/-1.079 χ^2/NDF: 5326270.4/49

cor_asym_at2_avg_mean vs Slug



Right In: 3007.857+/-511.636 χ^2/NDF: 6.3/21

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1840.979+/-495.976 χ^2/NDF: 17.9/26

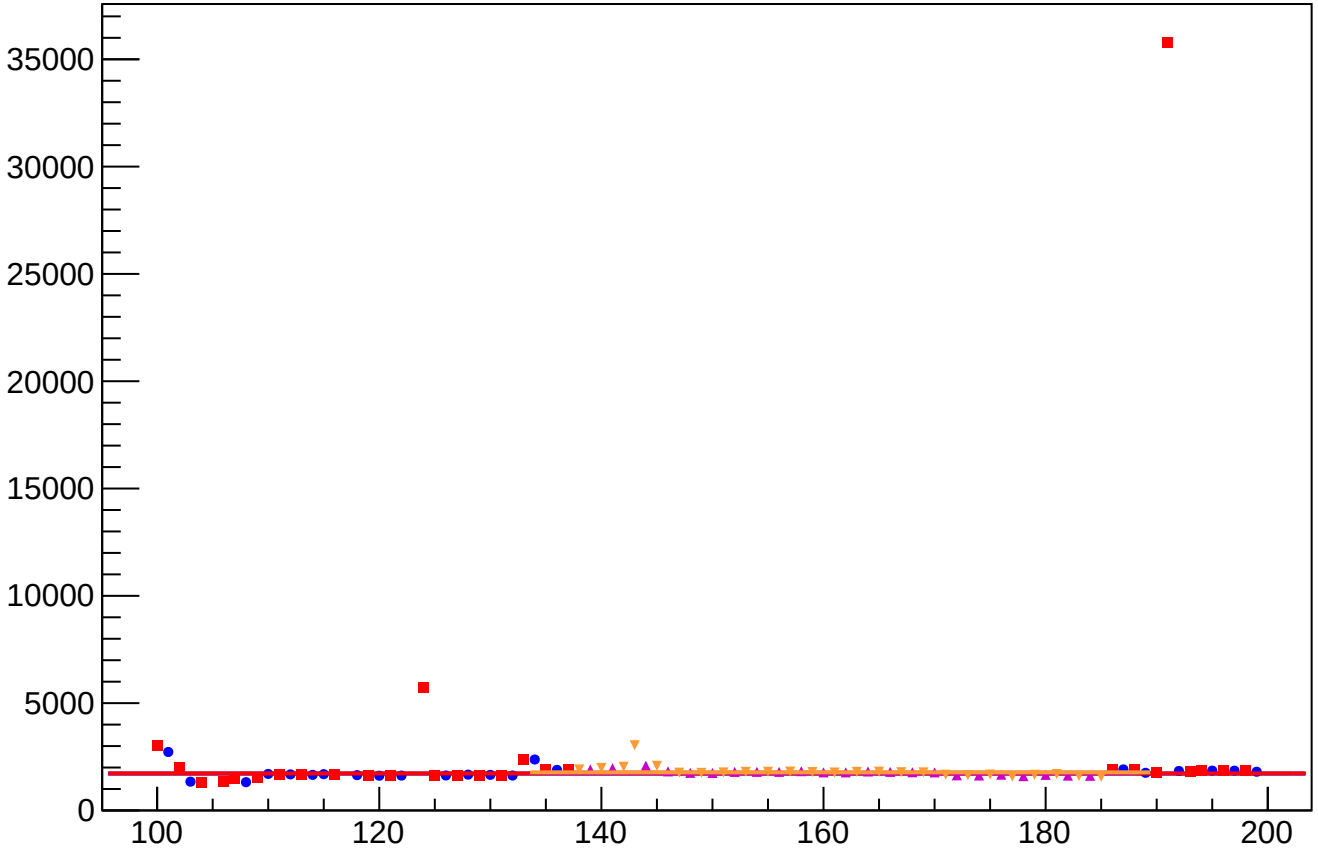
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1712.609+/-317.812 χ^2/NDF: 62.0/46

All: -395.933+/-224.422 χ^2/NDF: 181.2/96

- sign -2493.061+/-316.951 χ^2/NDF: 31.4/49

cor_asym_at2_avg_rms vs Slug



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.7/21

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.5/26

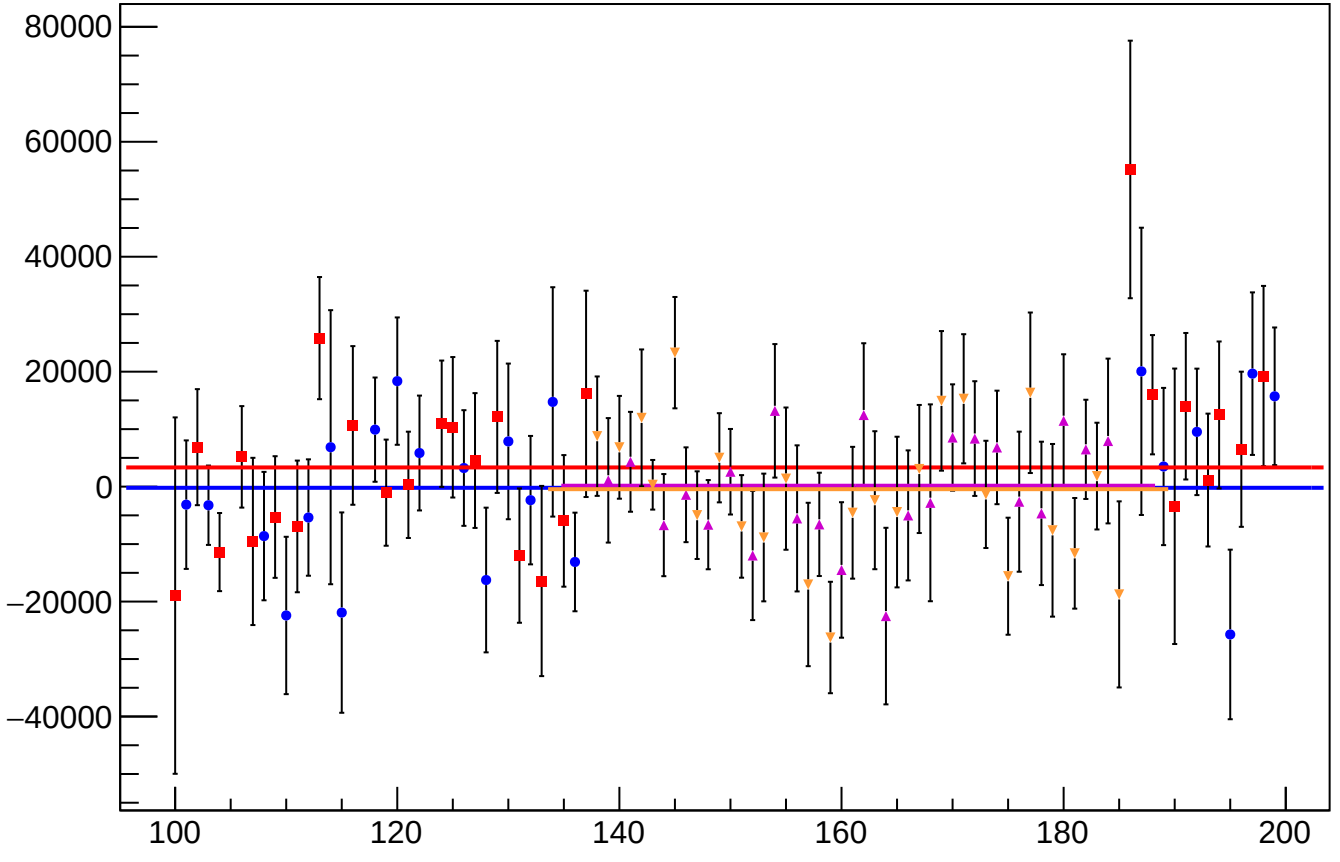
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1753.193+/-0.225 χ^2/NDF: 928193.9/46

All: 1749.674+/-0.159 χ^2/NDF: 1741993.4/96

- sign 1746.174+/-0.224 χ^2/NDF: 813310.5/49

asym_at2_avg_cor_correction_mean vs Slug



Right In: -205.156+/-2461.972 χ^2/NDF: 23.0/21

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3337.807+/-2258.016 χ^2/NDF: 27.5/26

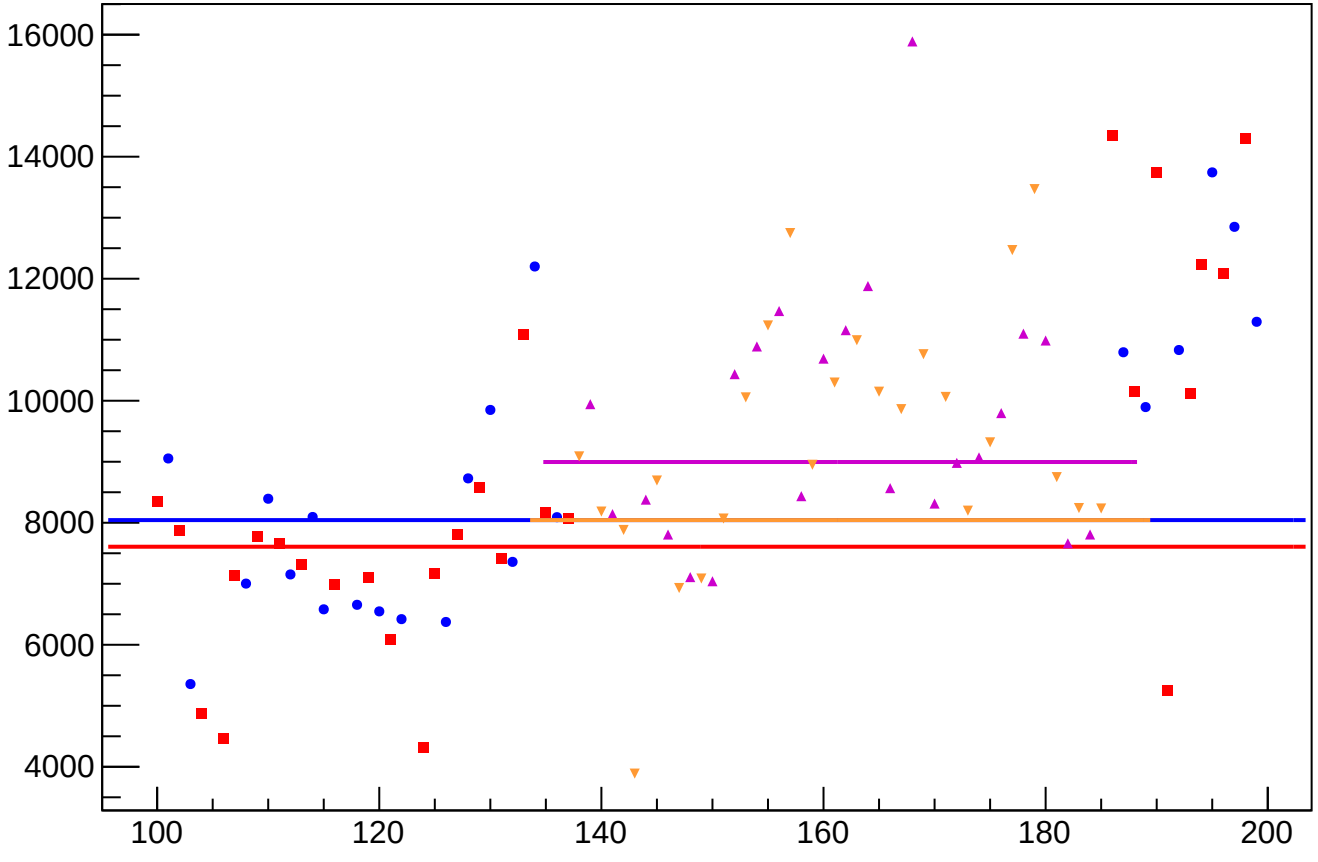
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -352.966+/-1516.767 χ^2/NDF: 52.5/46

All: 630.571+/-1085.640 χ^2/NDF: 95.7/96

- sign 1663.767+/-1554.586 χ^2/NDF: 42.4/49

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8043.590+/-1.741 χ^2/NDF: 1560866.6/21

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

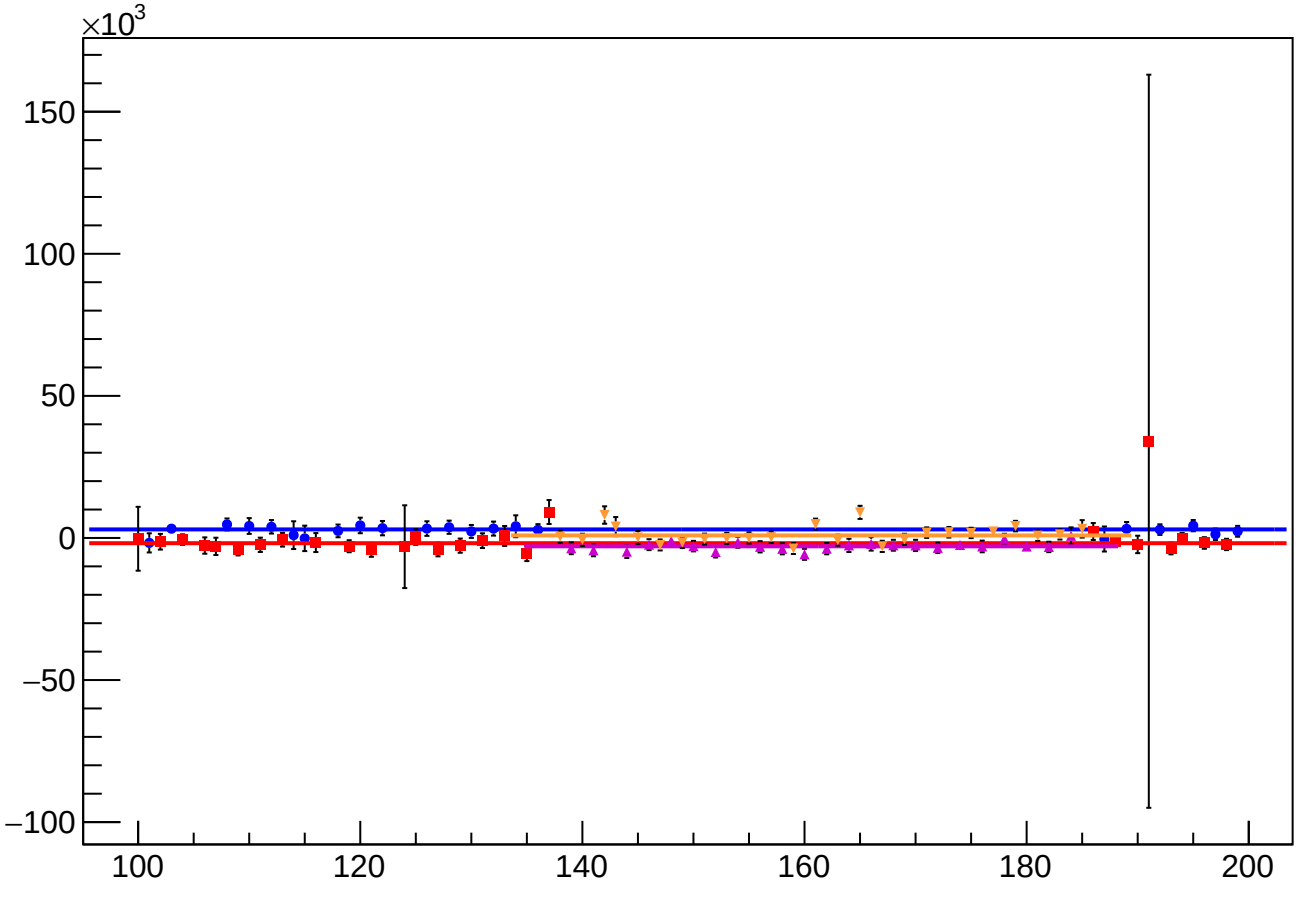
Right Out: 7607.149+/-1.597 χ^2/NDF: 2377085.9/26

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8043.726+/-1.073 χ^2/NDF: 4923782.3/46

All: 8186.989+/-0.768 χ^2/NDF: 8942367.8/96

- sign 8337.485+/-1.099 χ^2/NDF: 3981999.2/49



Right In: 3007.857+/-511.636 χ^2/NDF: 6.3/21

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1840.979+/-495.976 χ^2/NDF: 17.9/26

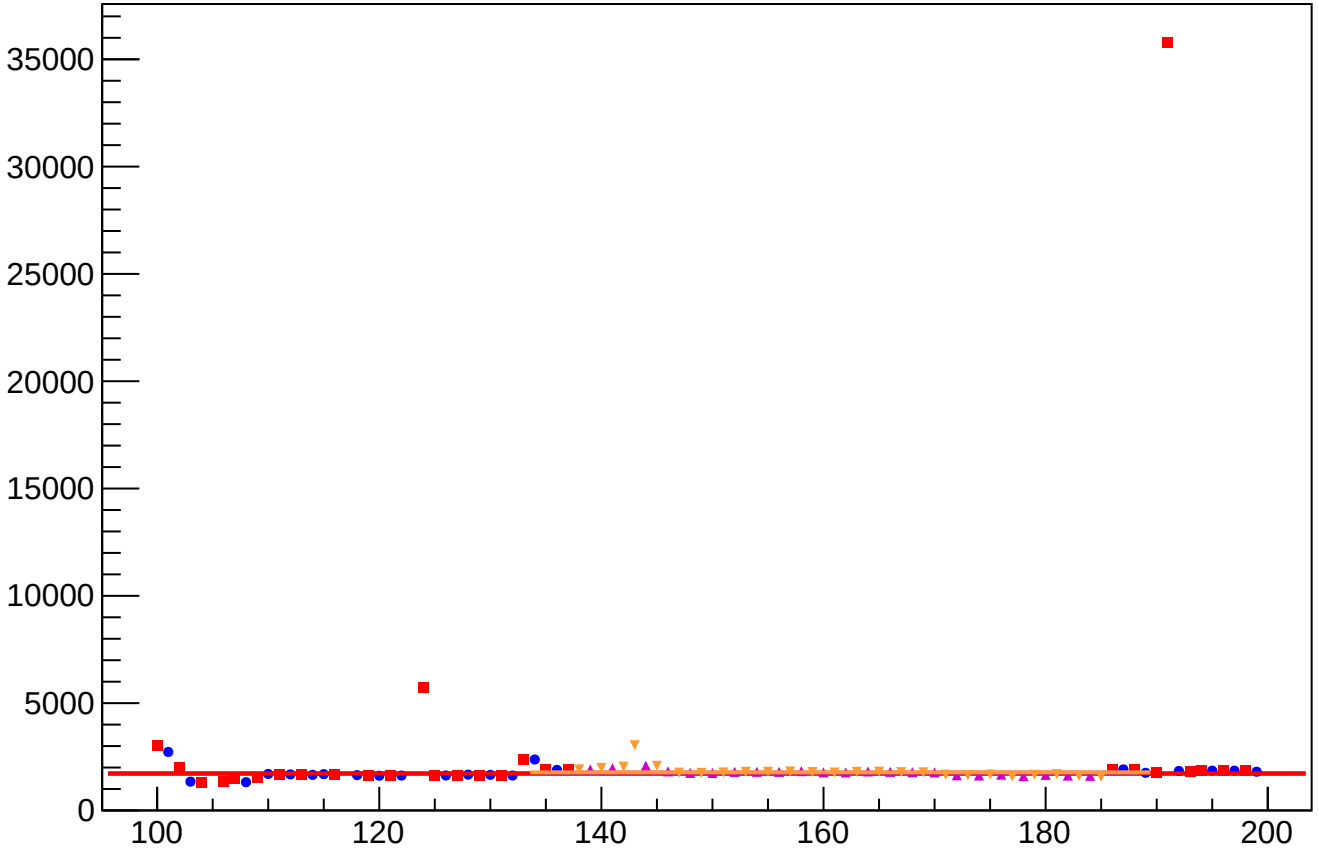
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1712.609+/-317.812 χ^2/NDF: 62.0/46

All: -395.933+/-224.422 χ^2/NDF: 181.2/96

- sign -2493.061+/-316.951 χ^2/NDF: 31.4/49

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.7/21

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.5/26

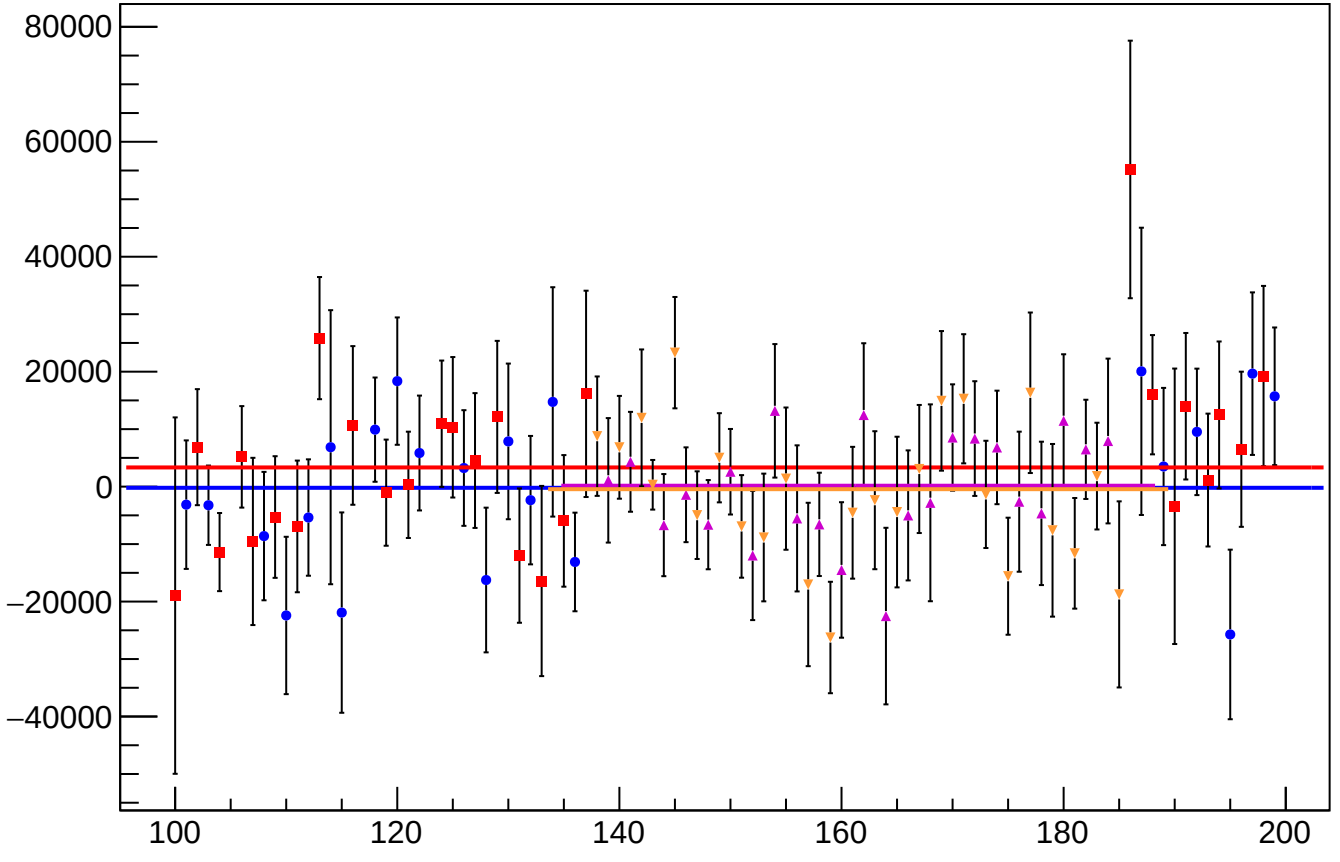
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1753.193+/-0.225 χ^2/NDF: 928193.9/46

All: 1749.674+/-0.159 χ^2/NDF: 1741993.4/96

- sign 1746.174+/-0.224 χ^2/NDF: 813310.5/49

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -205.156+/-2461.972 χ^2/NDF: 23.0/21

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3337.807+/-2258.016 χ^2/NDF: 27.5/26

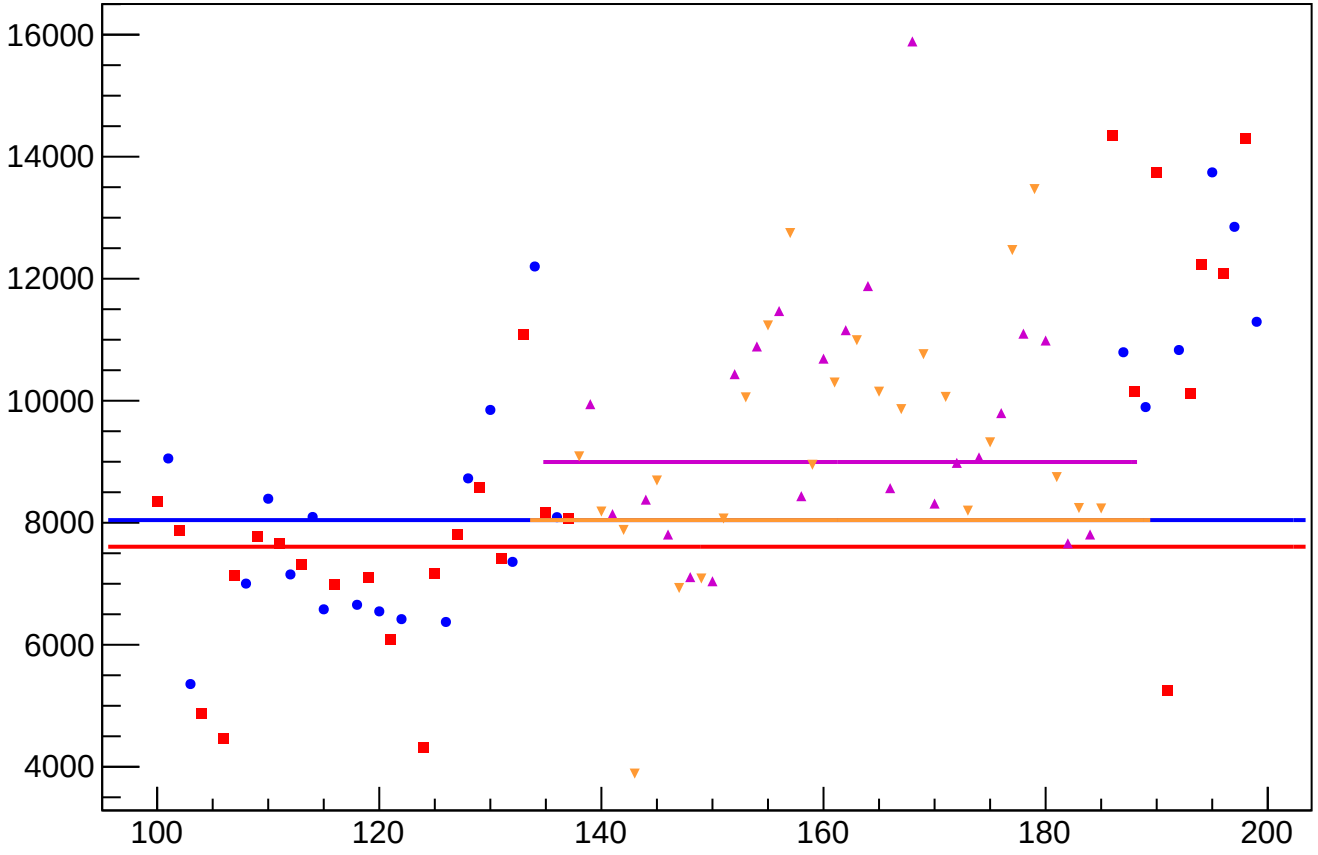
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -352.966+/-1516.767 χ^2/NDF: 52.5/46

All: 630.571+/-1085.640 χ^2/NDF: 95.7/96

\- sign 1663.767+/-1554.586 χ^2/NDF: 42.4/49

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8043.590+/-1.741 χ^2/NDF: 1560866.6/21

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7607.149+/-1.597 χ^2/NDF: 2377085.9/26

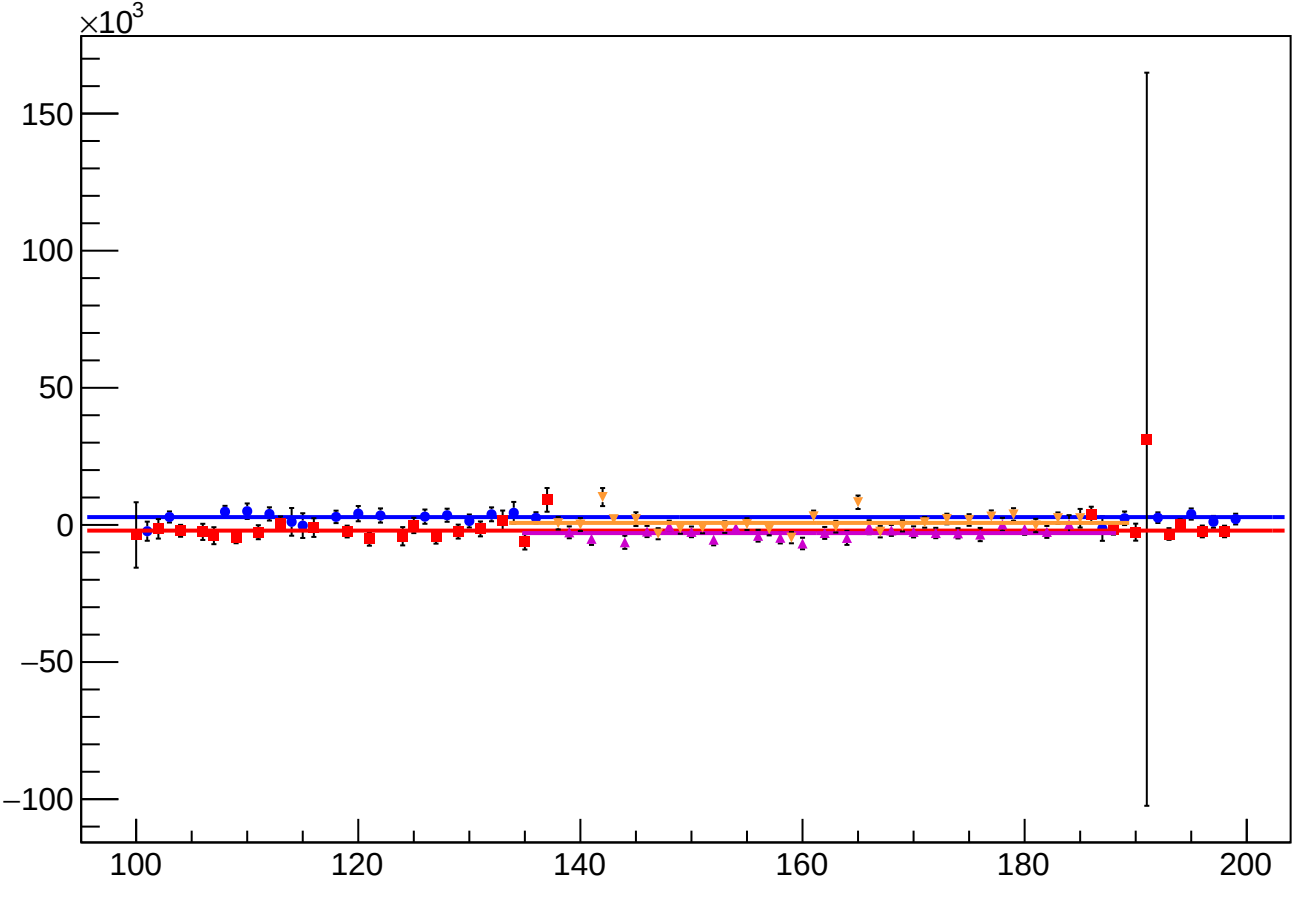
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8043.726+/-1.073 χ^2/NDF: 4923782.3/46

All: 8186.989+/-0.768 χ^2/NDF: 8942367.8/96

- sign 8337.485+/-1.099 χ^2/NDF: 3981999.2/49

dit_asym_at2_avg_mean vs Slug



Right In: 2854.230+/-530.822 χ^2/NDF: 7.4/21

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2068.094+/-510.591 χ^2/NDF: 21.6/26

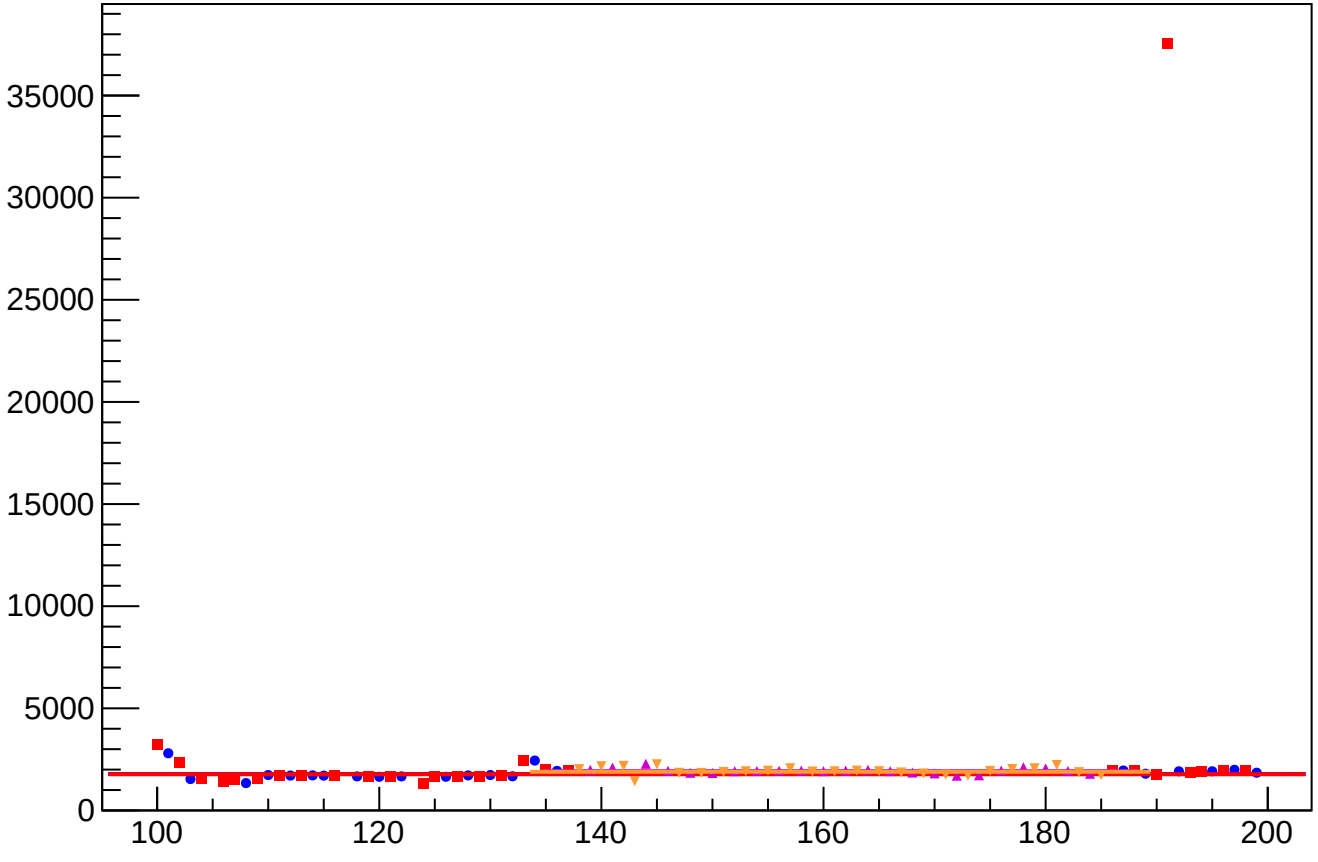
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1583.853+/-335.472 χ^2/NDF: 58.6/46

All: -484.333+/-238.012 χ^2/NDF: 174.1/96

- sign -2580.569+/-337.739 χ^2/NDF: 39.0/49

dit_asym_at2_avg_rms vs Slug



Right In: 1784.200+/-0.375 χ^2/NDF: 422057.8/21

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1773.552+/-0.361 χ^2/NDF: 526012.6/26

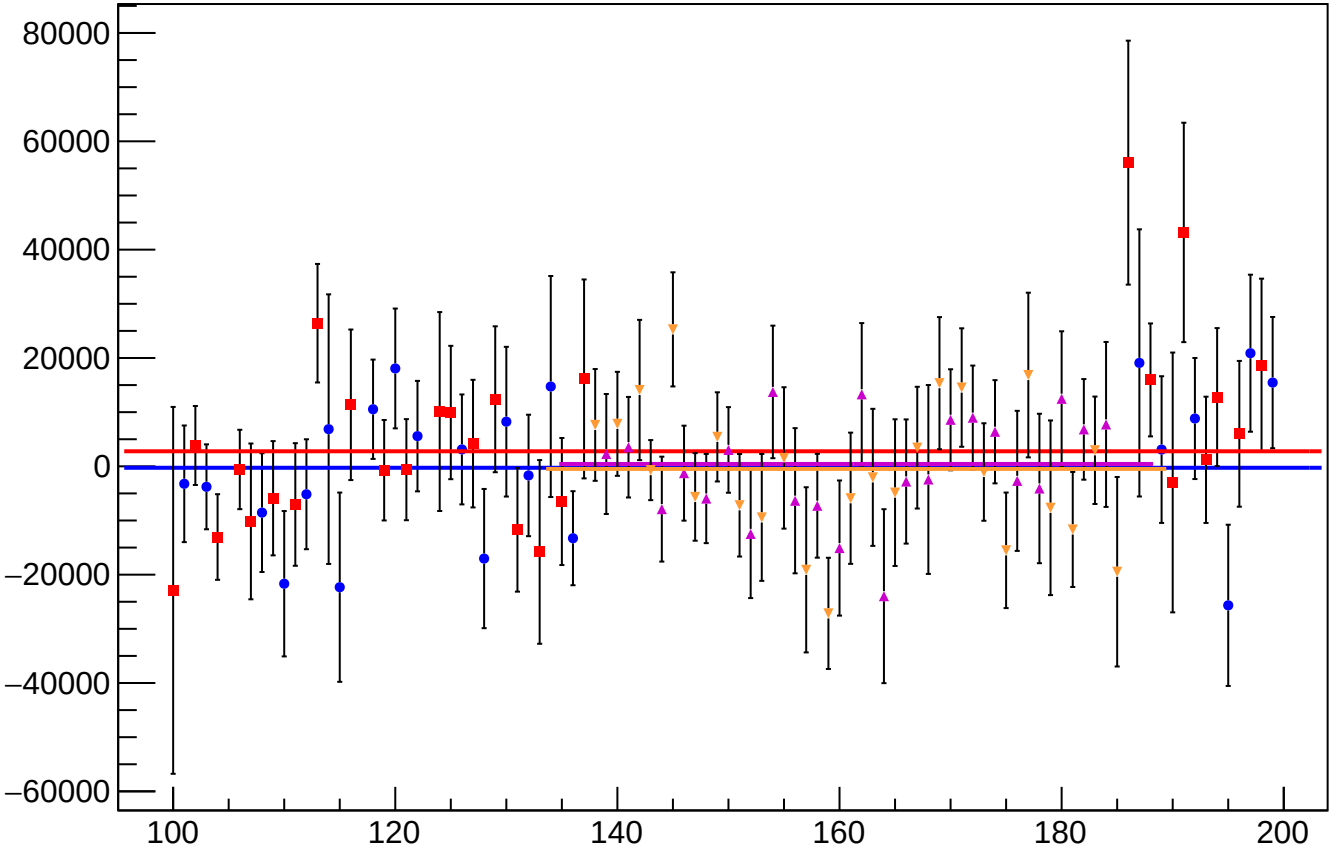
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1850.556+/-0.237 χ^2/NDF: 842682.5/46

All: 1854.062+/-0.168 χ^2/NDF: 1616561.3/96

- sign 1857.615+/-0.239 χ^2/NDF: 773439.0/49

asym_at2_avg_dit_correction_mean vs Slug



Right In: -266.332+/-2508.641 χ^2/NDF: 22.8/21

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 2778.321+/-2266.855 χ^2/NDF: 30.3/26

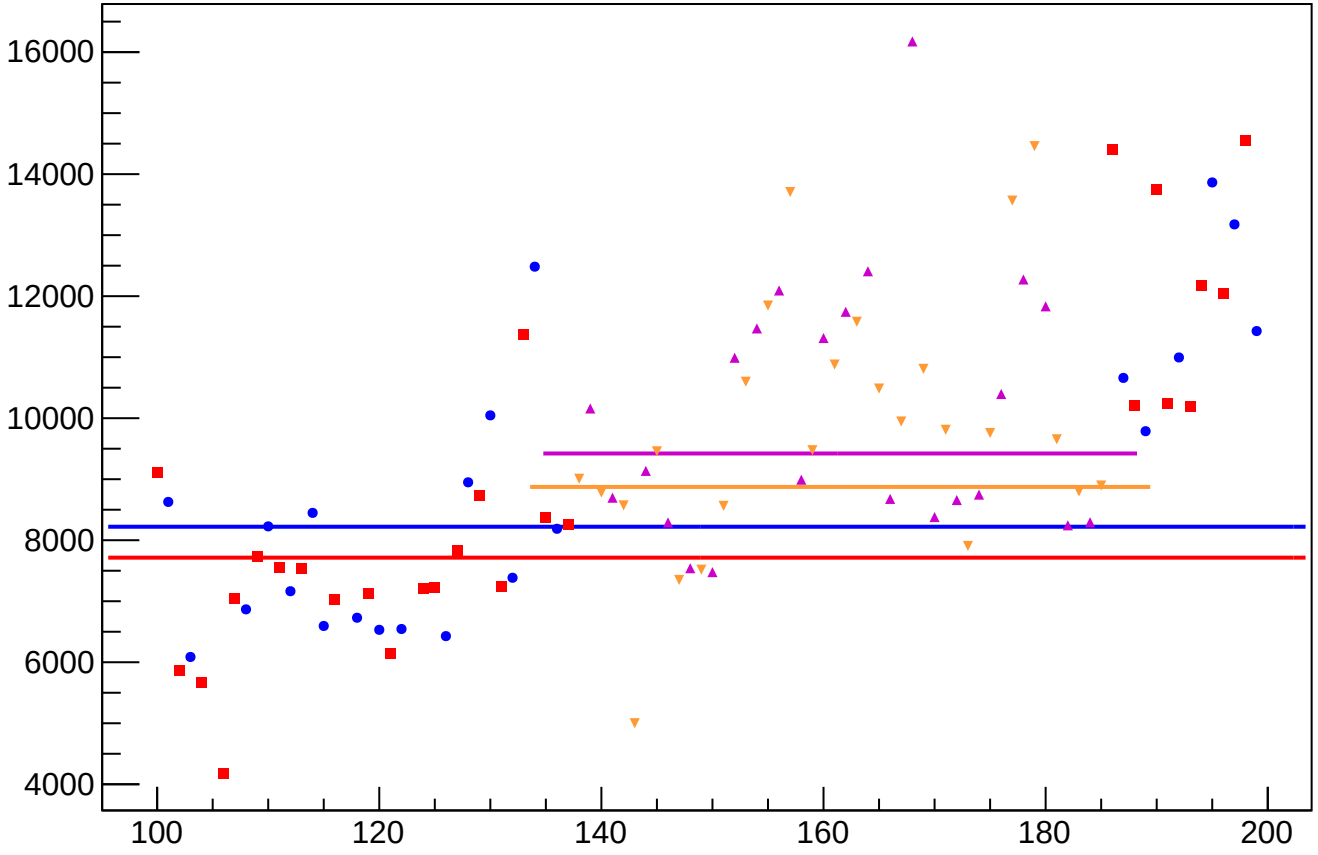
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

\+ sign -392.105+/-1605.404 χ^2/NDF: 51.6/46

All: 608.428+/-1131.563 χ^2/NDF: 96.8/96

\- sign 1596.270+/-1595.190 χ^2/NDF: 44.4/49

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8221.168+/-1.774 χ^2/NDF: 1407780.0/21

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7714.512+/-1.603 χ^2/NDF: 2287358.2/26

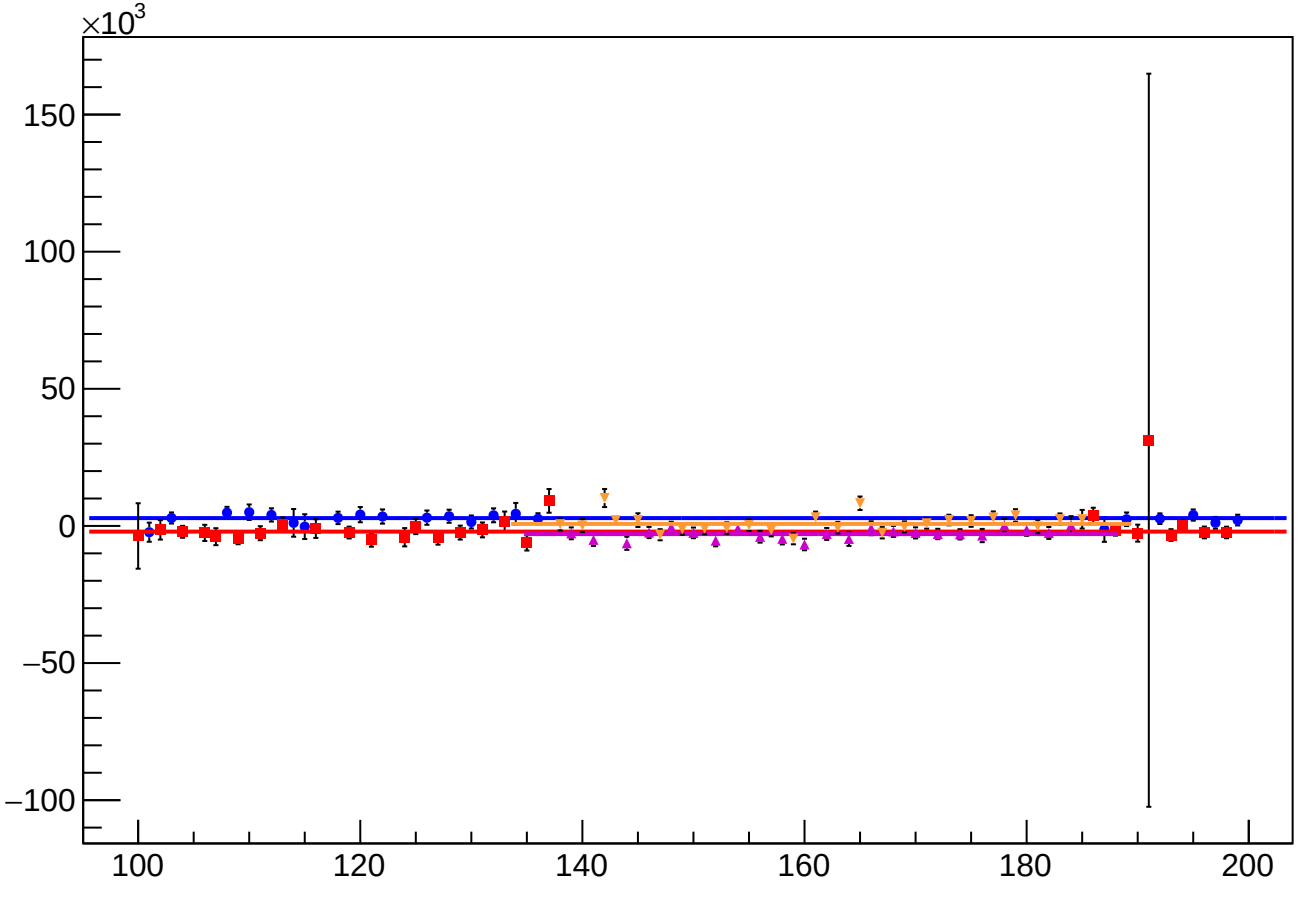
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8606.402+/-1.135 χ^2/NDF: 3690903.9/46

All: 8591.260+/-0.800 χ^2/NDF: 7756090.2/96

- sign 8576.311+/-1.128 χ^2/NDF: 4064832.8/49

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2854.230+/-530.821 χ^2/NDF: 7.4/21

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2068.097+/-510.591 χ^2/NDF: 21.6/26

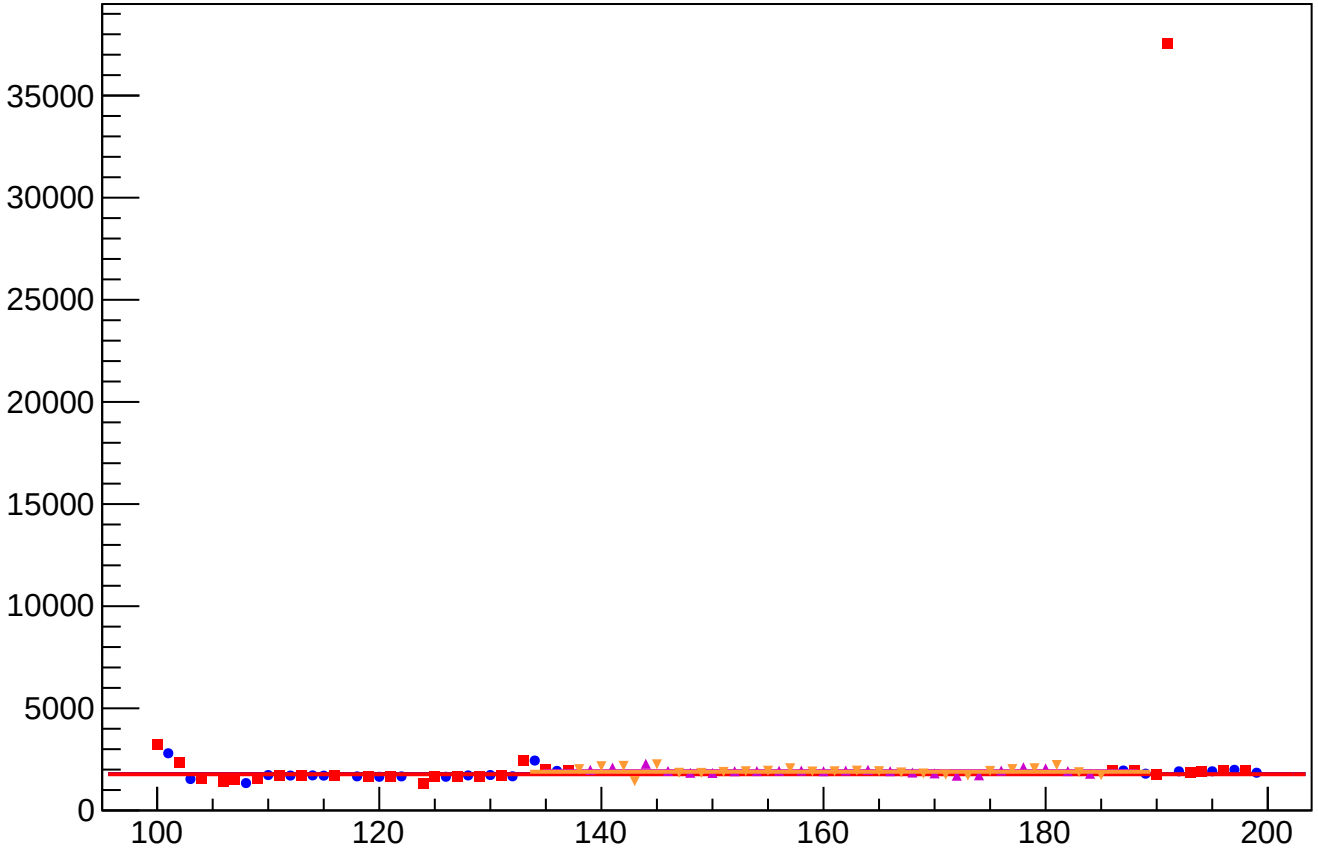
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1583.849+/-335.472 χ^2/NDF: 58.6/46

All: -484.336+/-238.012 χ^2/NDF: 174.1/96

- sign -2580.570+/-337.739 χ^2/NDF: 39.0/49

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1784.199+/-0.375 χ^2/NDF: 422058.3/21

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1773.552+/-0.361 χ^2/NDF: 526013.8/26

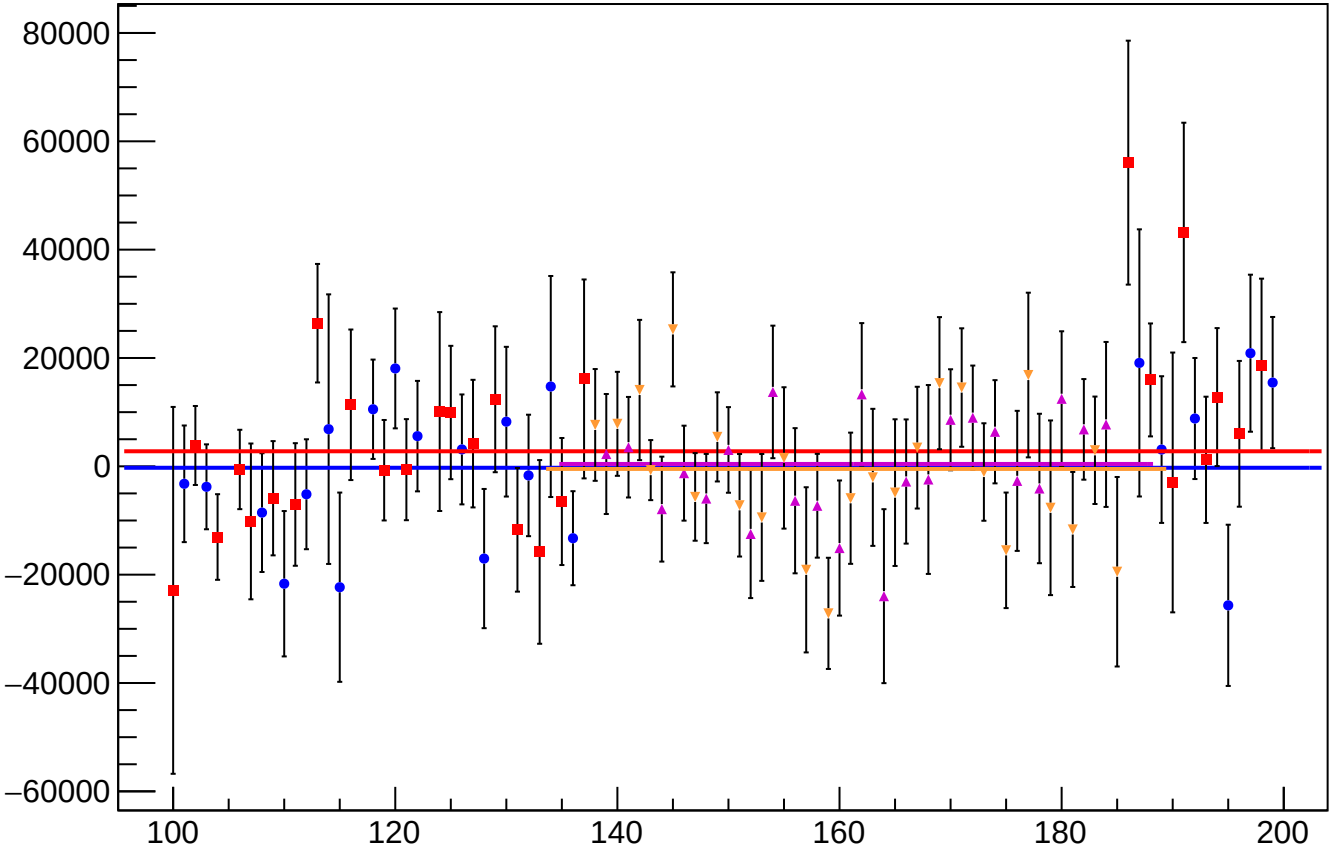
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1850.558+/-0.237 χ^2/NDF: 842693.8/46

All: 1854.064+/-0.168 χ^2/NDF: 1616585.4/96

- sign 1857.616+/-0.239 χ^2/NDF: 773451.8/49

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -266.322+/-2508.637 χ^2/NDF: 22.8/21

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 2778.305+/-2266.851 χ^2/NDF: 30.3/26

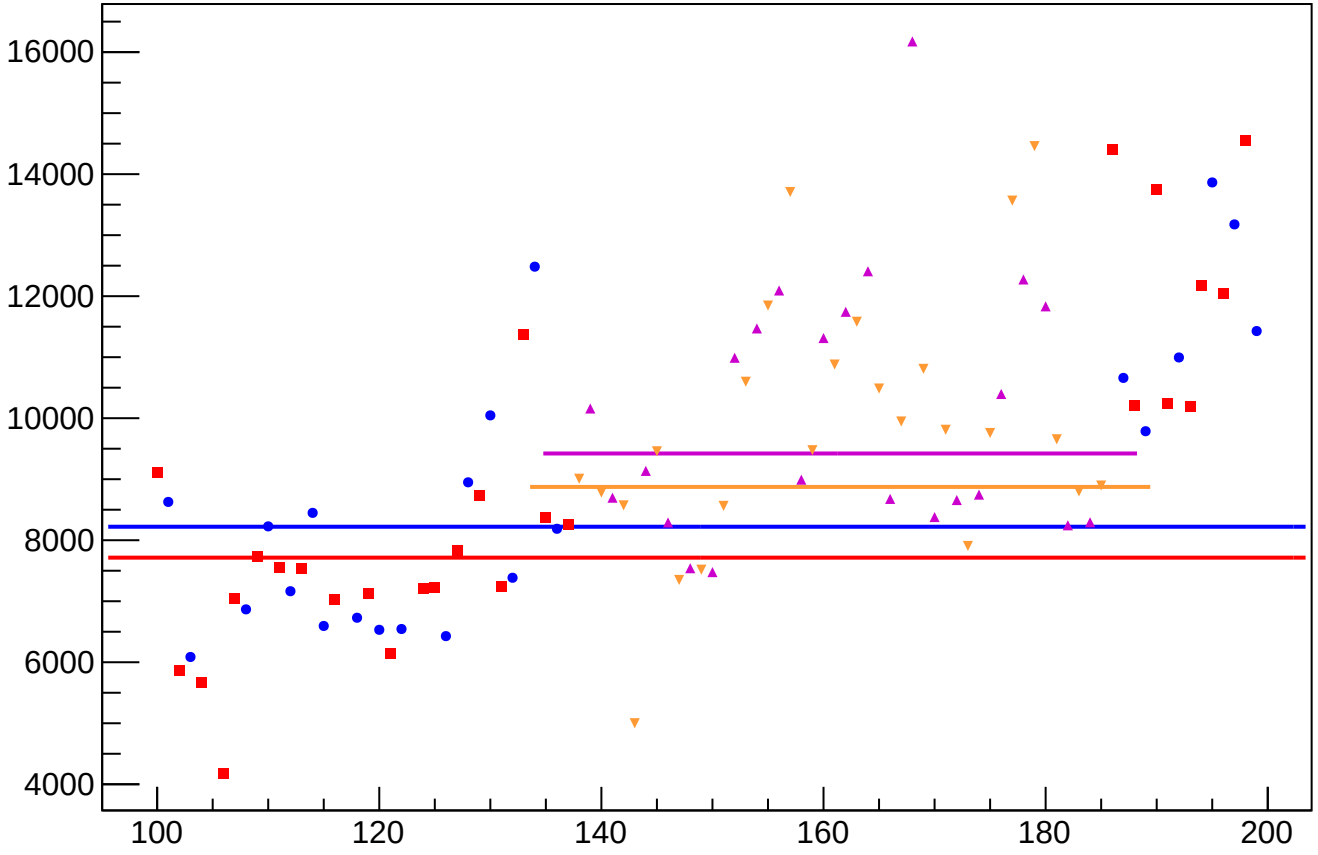
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

\+ sign -392.104+/-1605.404 χ^2/NDF: 51.6/46

All: 608.427+/-1131.564 χ^2/NDF: 96.8/96

\- sign 1596.268+/-1595.190 χ^2/NDF: 44.4/49

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 8221.153+/-1.774 χ^2/NDF: 1407796.0/21

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7714.498+/-1.603 χ^2/NDF: 2287370.2/26

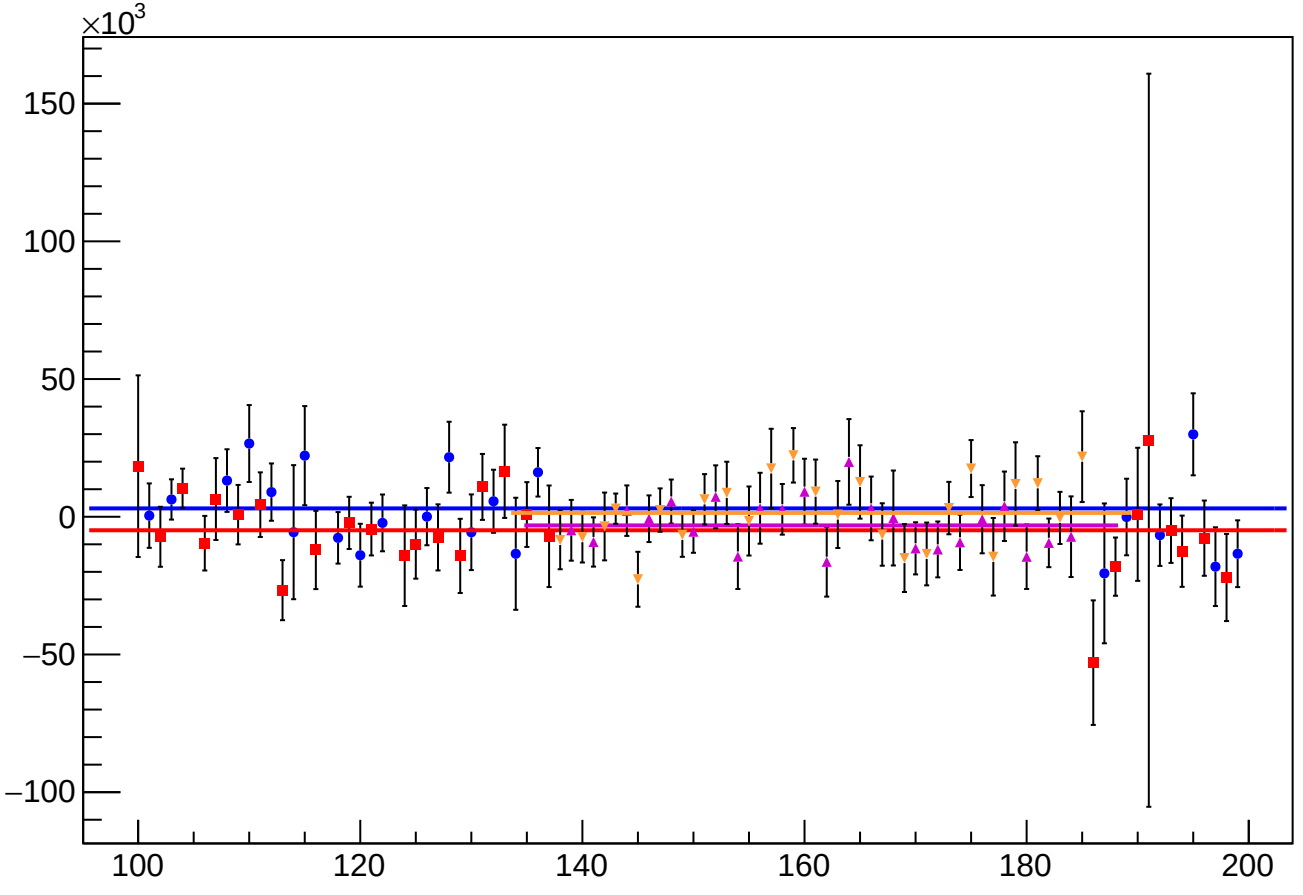
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8606.403+/-1.135 χ^2/NDF: 3690928.9/46

All: 8591.260+/-0.800 χ^2/NDF: 7756150.0/96

- sign 8576.309+/-1.128 χ^2/NDF: 4064867.5/49

asym_at2_avg_mean vs Slug



Right In: 3038.394+/-2532.527 χ^2/NDF: 23.7/21

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4898.521+/-2404.991 χ^2/NDF: 23.5/26

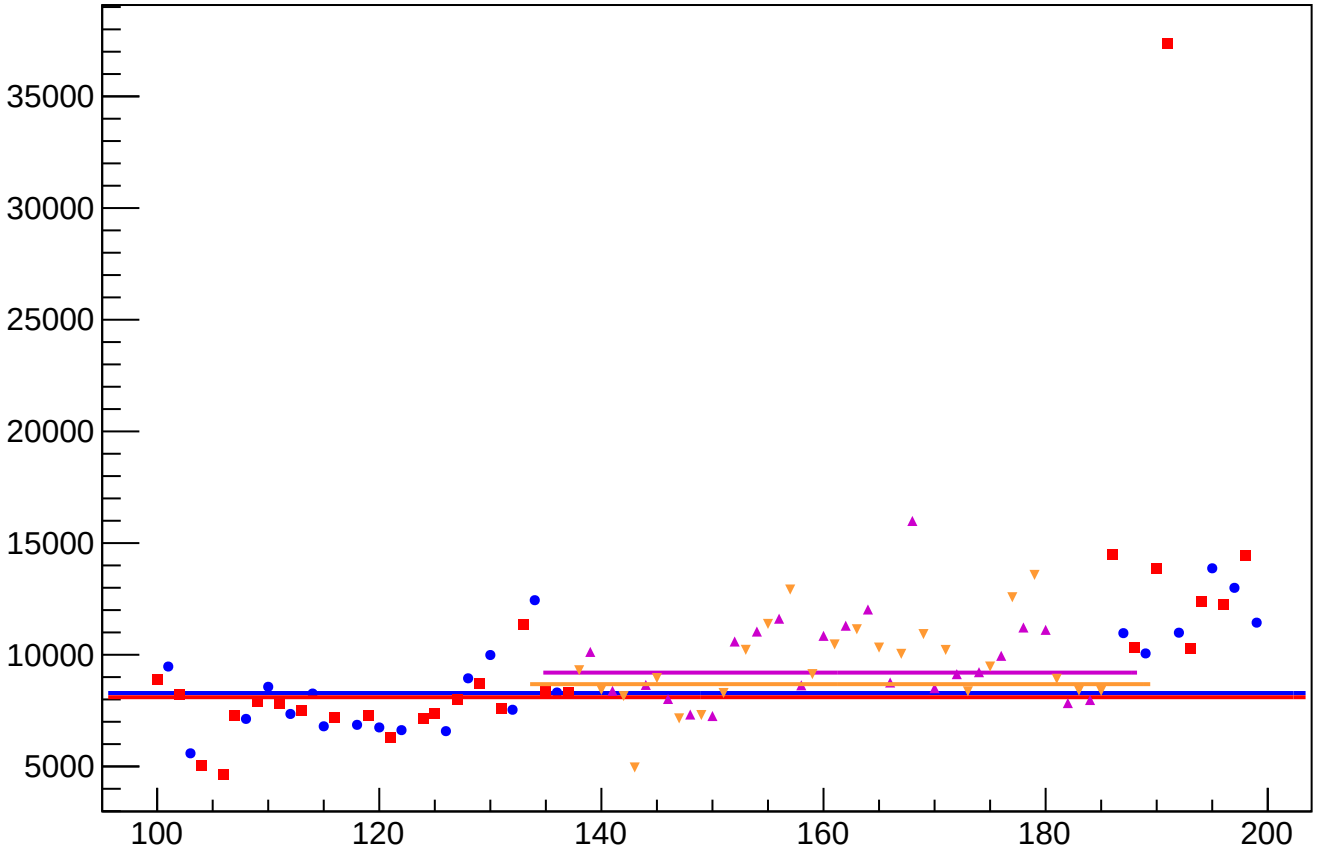
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2049.751+/-1588.642 χ^2/NDF: 51.4/46

All: -886.691+/-1133.931 χ^2/NDF: 95.1/96

- sign -3936.546+/-1619.031 χ^2/NDF: 36.7/49

asym_at2_avg_rms vs Slug



Right In: 8287.625+/-1.791 χ^2/NDF: 1467033.5/21

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8099.610+/-1.700 χ^2/NDF: 2071786.3/26

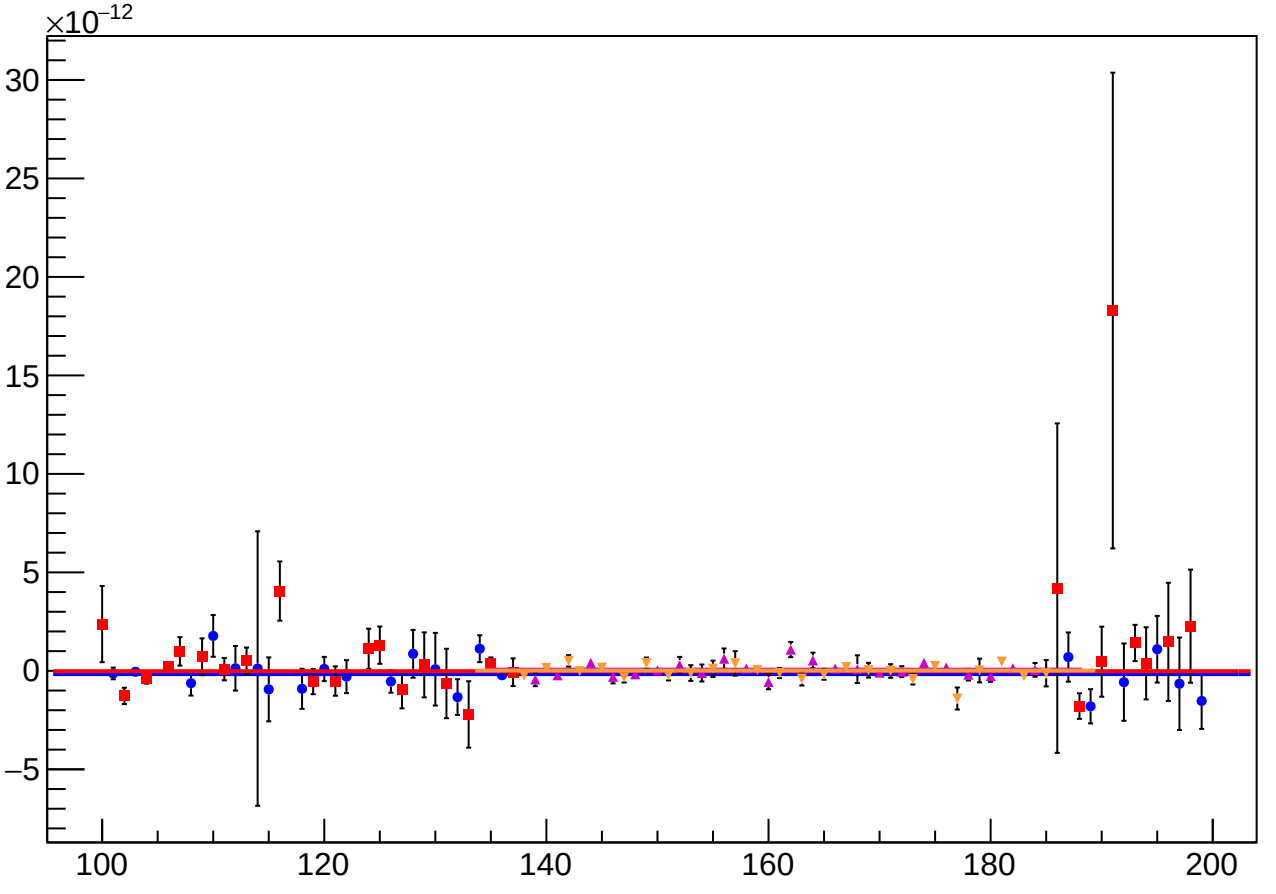
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8528.358+/-1.123 χ^2/NDF: 3548452.6/46

All: 8613.395+/-0.802 χ^2/NDF: 6990634.8/96

- 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: 17.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.2/26

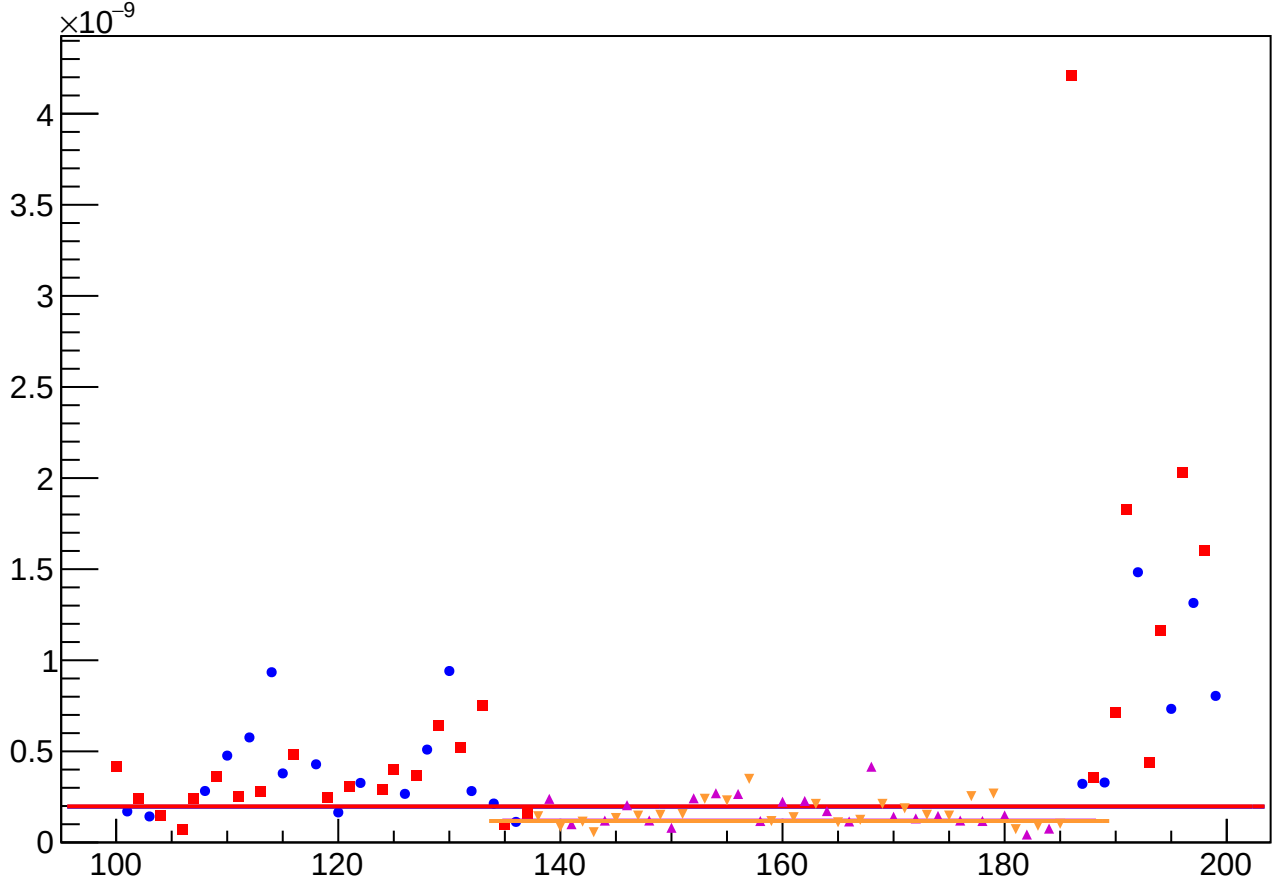
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.1/46

All: 0.000+/-0.000 χ^2/NDF: 123.3/96

- 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: 3528725.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4417391.6/26

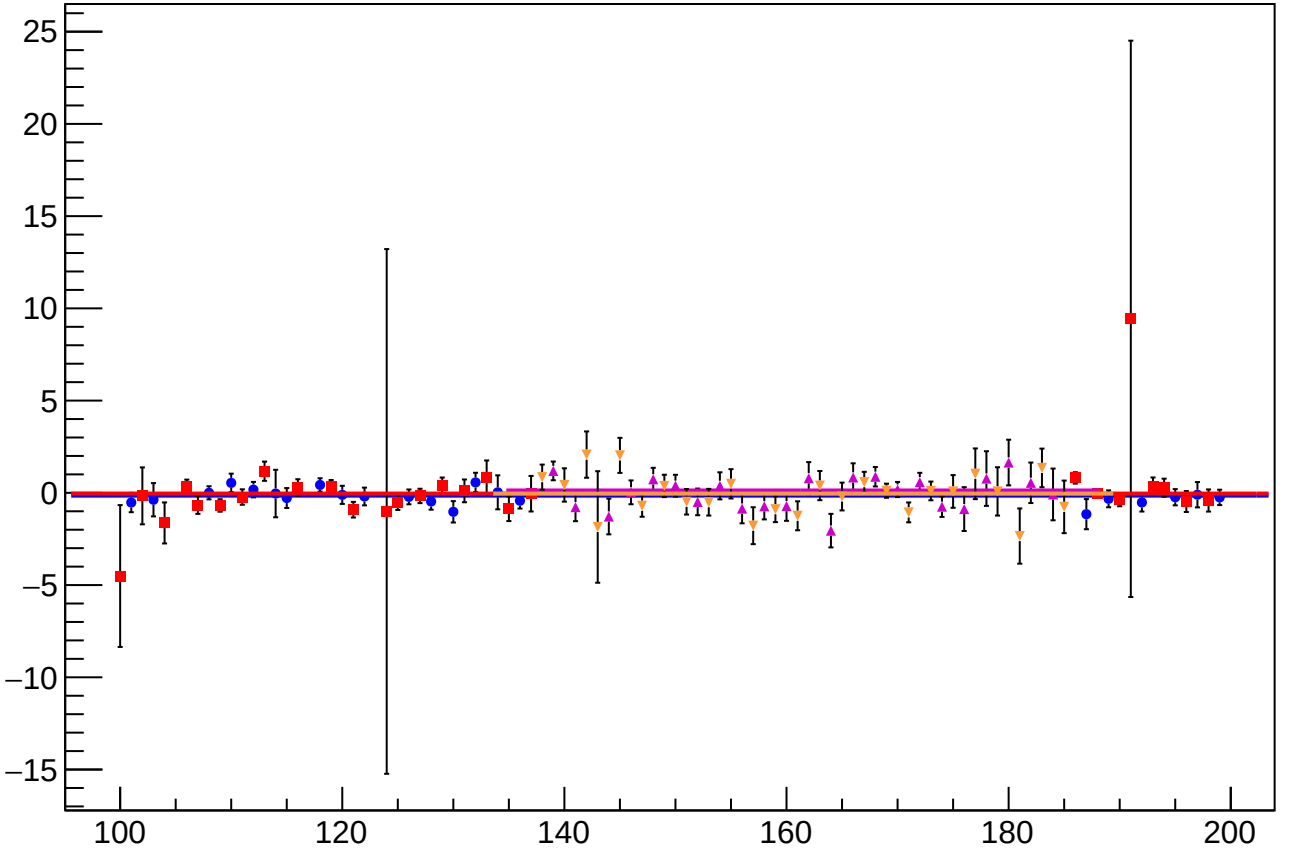
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6626815.5/46

All: 0.000+/-0.000 χ^2/NDF: 14432880.2/96

- sign 0.000+/-0.000 χ^2/NDF: 7801823.8/49

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.039+/-0.085 χ^2/NDF: 36.9/26

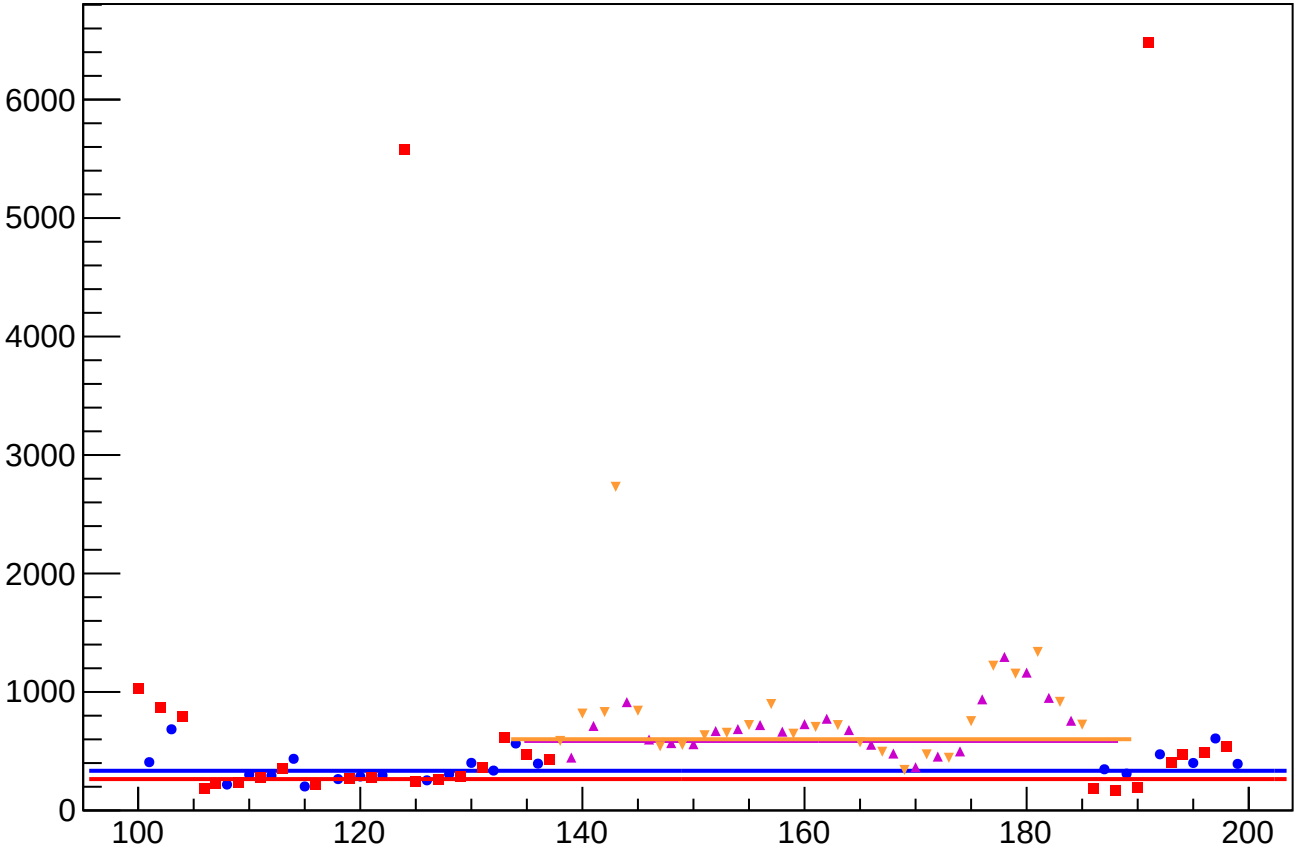
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.114+/-0.086 χ^2/NDF: 43.9/46

All: -0.046+/-0.056 χ^2/NDF: 112.0/96

- sign 0.004+/-0.074 χ^2/NDF: 67.0/49

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 334.835+/-0.074 χ^2/NDF: 1669178.0/21

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

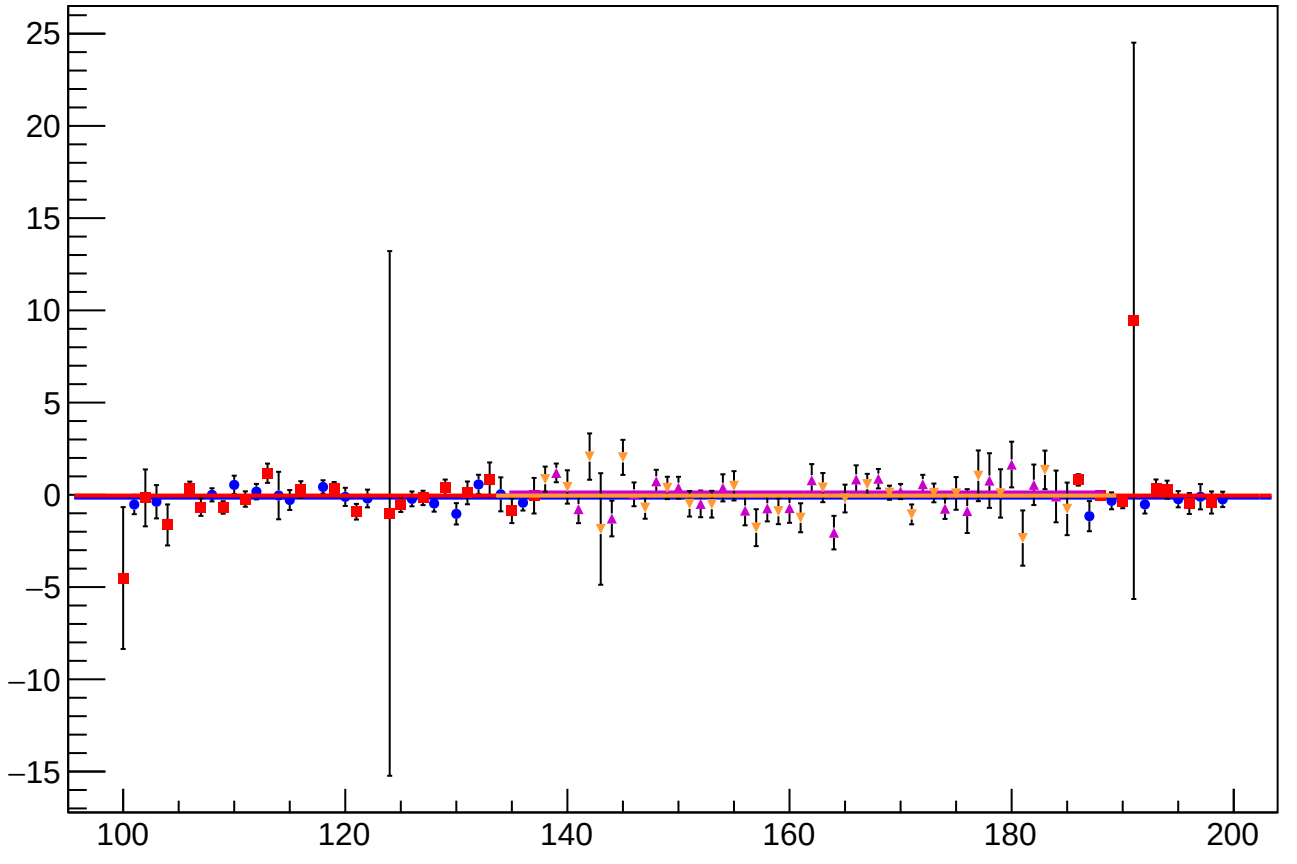
Right Out: 264.761+/-0.060 χ^2/NDF: 4323246.4/26

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 424.373+/-0.060 χ^2/NDF: 10459061.1/46

All: 380.315+/-0.039 χ^2/NDF: 25948573.5/96

- sign 347.637+/-0.052 χ^2/NDF: 14565099.4/49



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.039+/-0.085 χ^2/NDF: 36.9/26

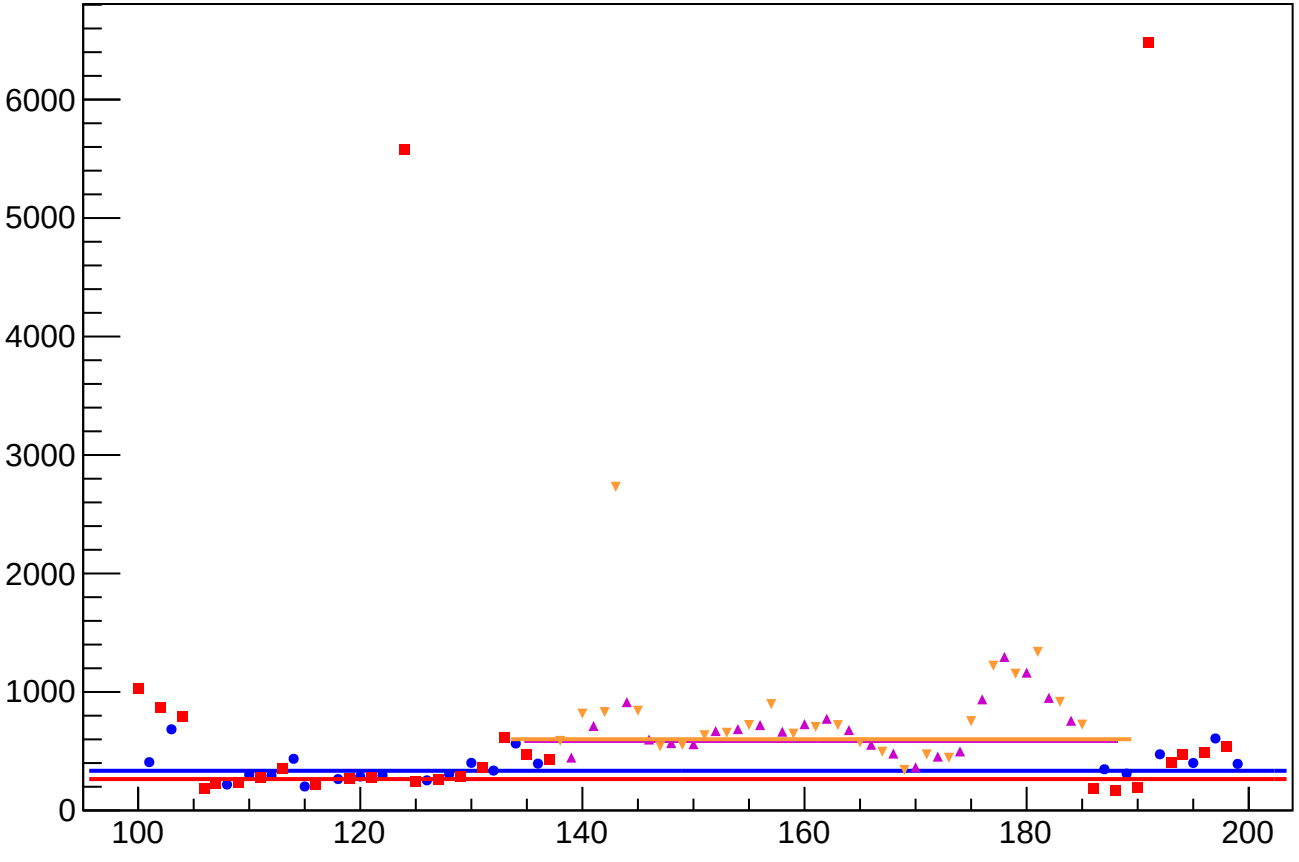
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.114+/-0.086 χ^2/NDF: 43.9/46

All: -0.046+/-0.056 χ^2/NDF: 112.0/96

- sign 0.004+/-0.074 χ^2/NDF: 67.0/49

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 334.835+/-0.074 χ^2/NDF: 1669178.0/21

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

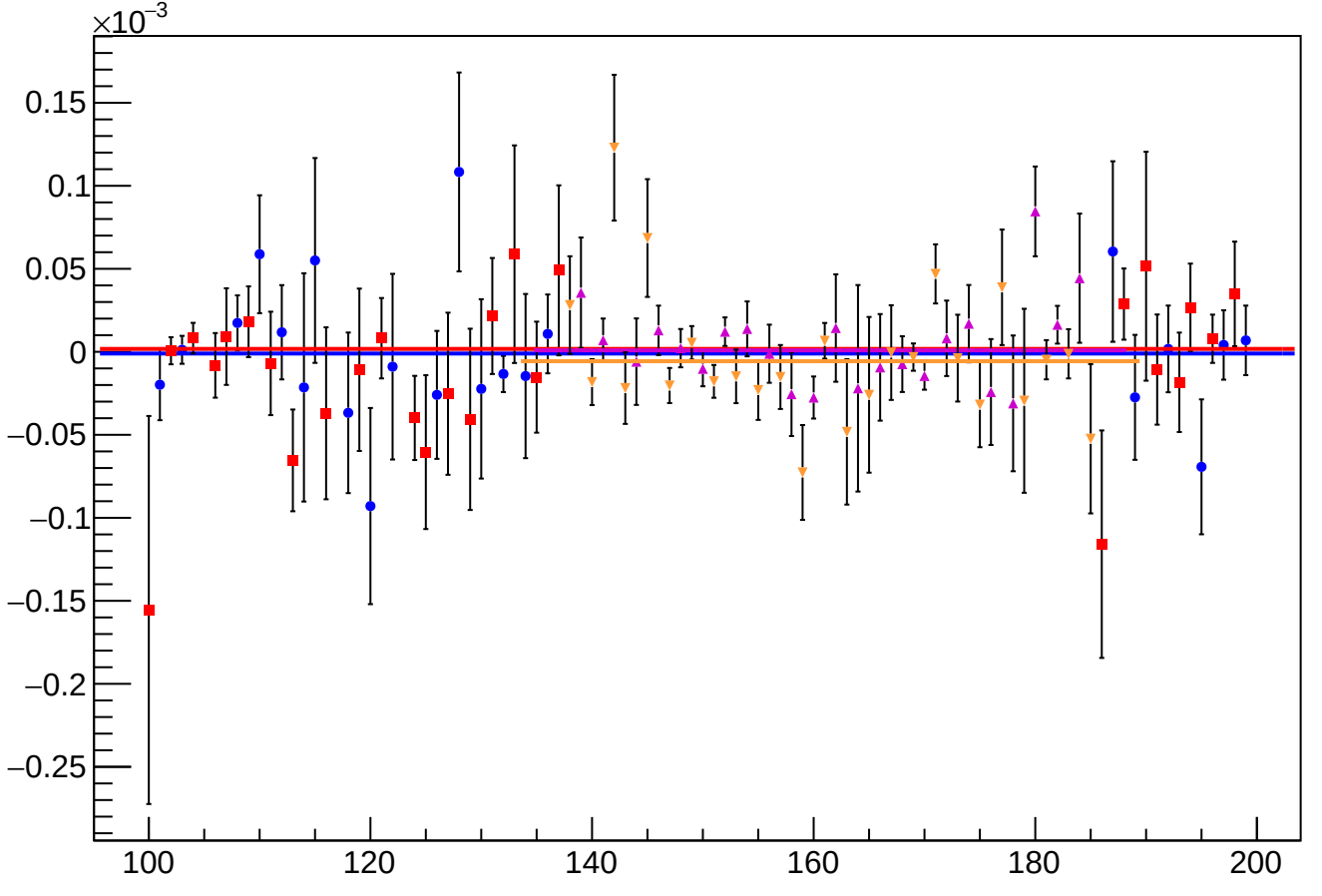
Right Out: 264.761+/-0.060 χ^2/NDF: 4323246.4/26

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 424.373+/-0.060 χ^2/NDF: 10459061.1/46

All: 380.315+/-0.039 χ^2/NDF: 25948573.5/96

- sign 347.637+/-0.052 χ^2/NDF: 14565099.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/26

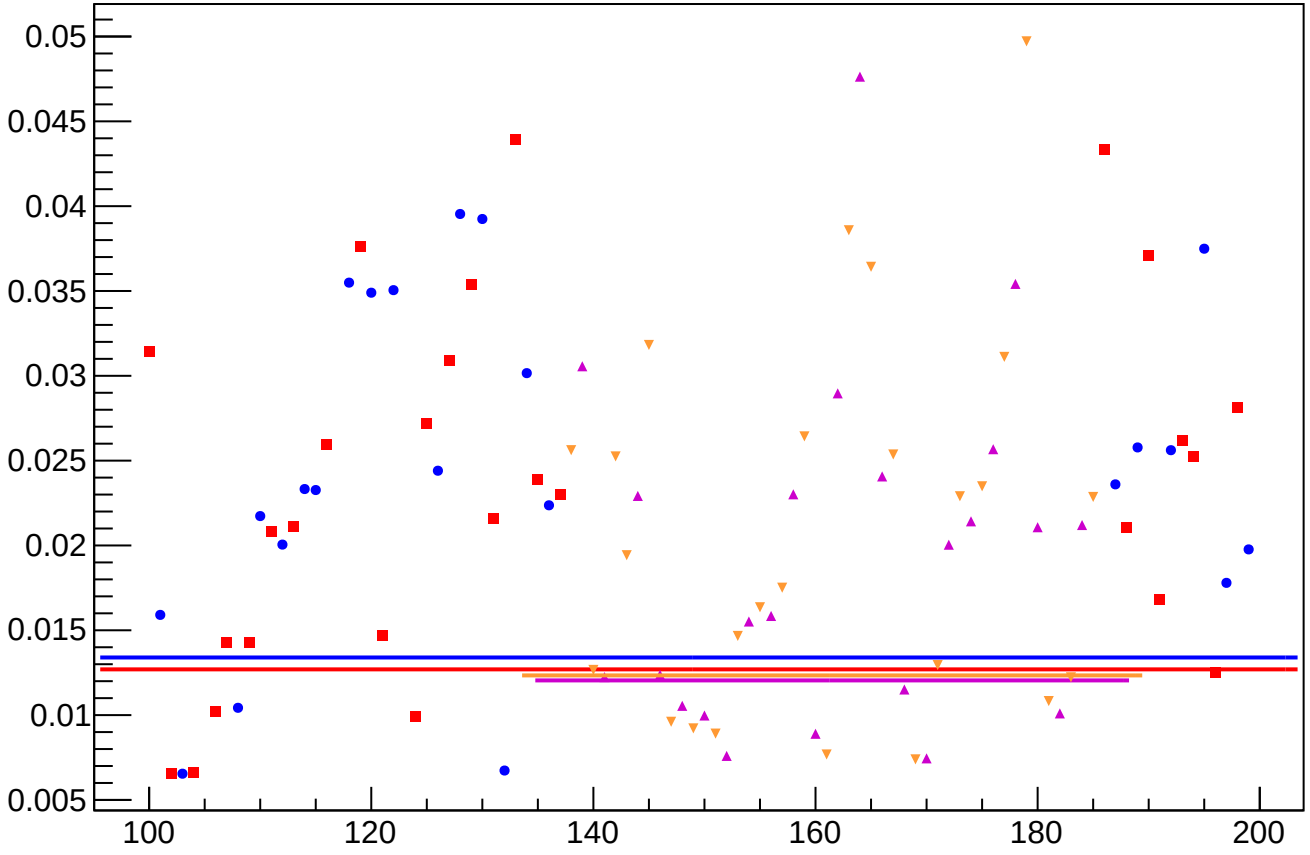
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.5/46

All: -0.000+/-0.000 χ^2/NDF: 119.1/96

- 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: 6673782.6/21

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 7109387.1/26

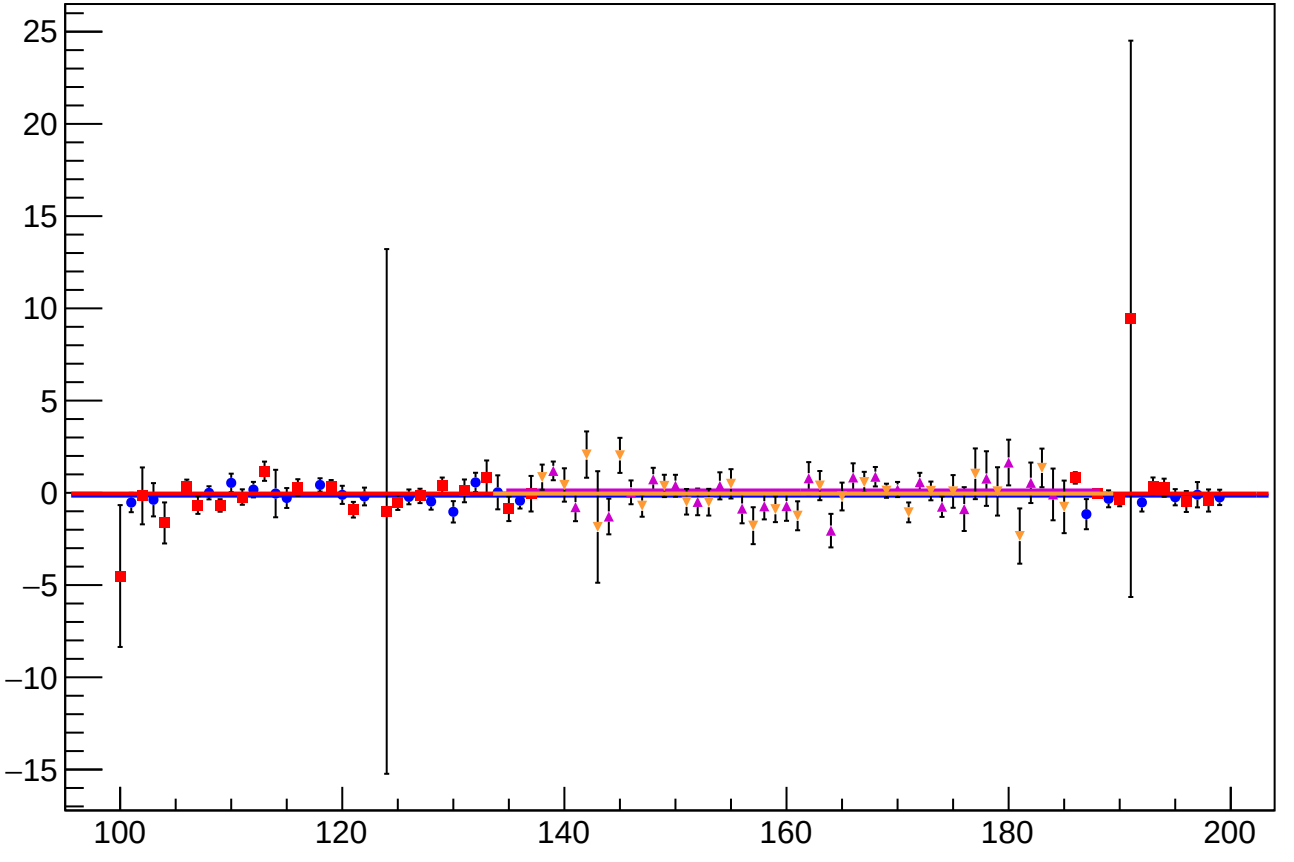
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 14578989.9/46

All: 0.012+/-0.000 χ^2/NDF: 28117873.2/96

- sign 0.012+/-0.000 χ^2/NDF: 13517875.2/49

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.039+/-0.085 χ^2/NDF: 36.9/26

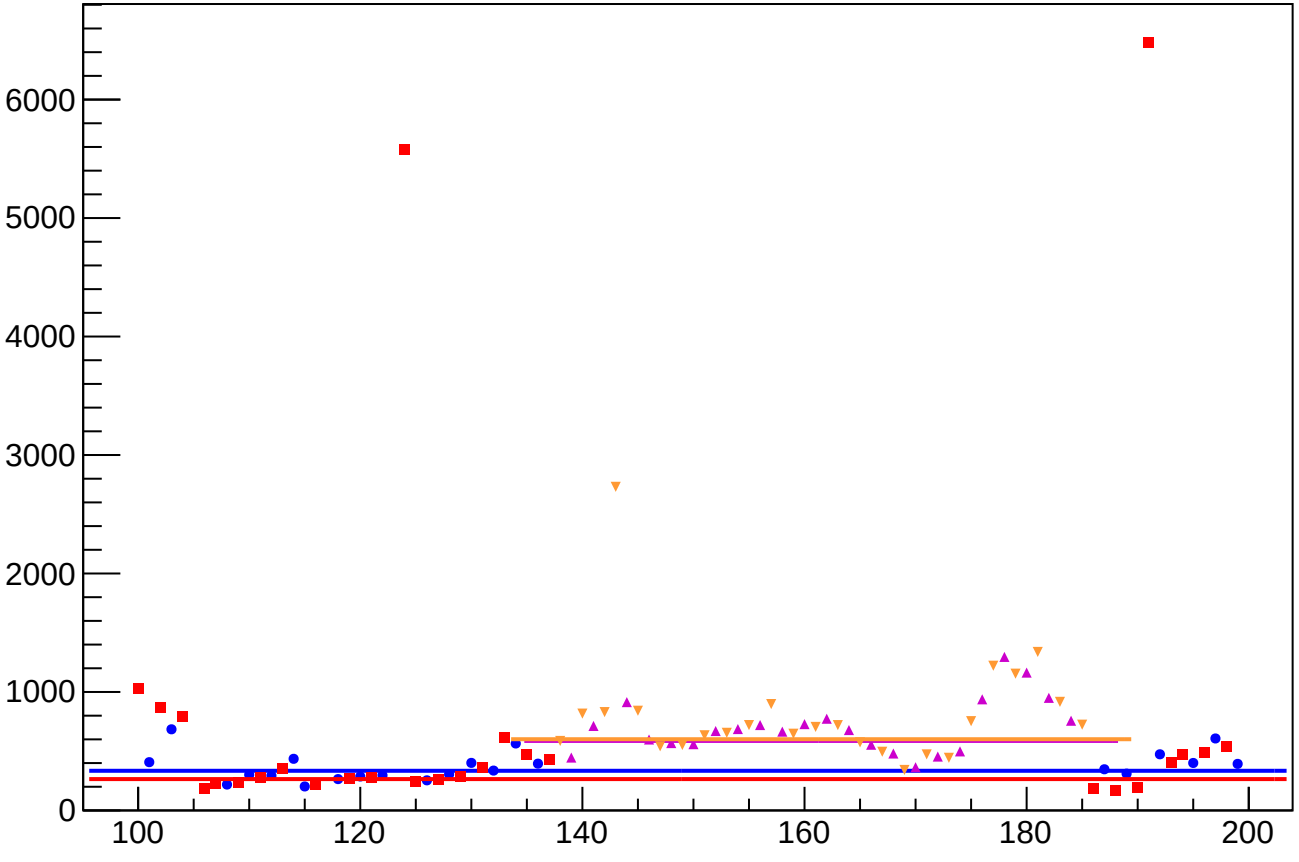
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.114+/-0.086 χ^2/NDF: 43.9/46

All: -0.046+/-0.056 χ^2/NDF: 112.0/96

- sign 0.004+/-0.074 χ^2/NDF: 67.0/49

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 334.834+/-0.074 χ^2/NDF: 1669153.8/21

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

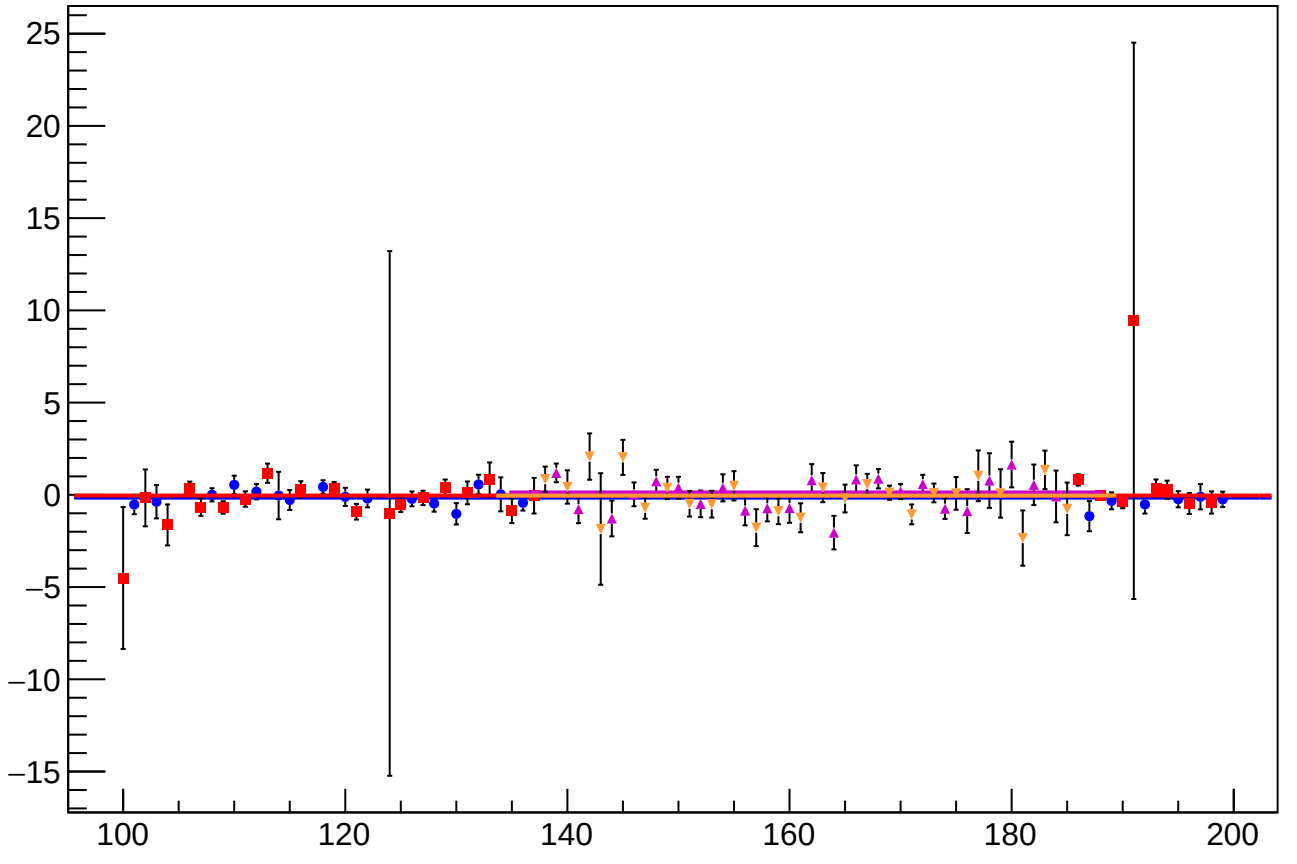
Right Out: 264.754+/-0.060 χ^2/NDF: 4323489.6/26

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 424.372+/-0.060 χ^2/NDF: 10459290.0/46

All: 380.310+/-0.039 χ^2/NDF: 25949775.3/96

- sign 347.629+/-0.052 χ^2/NDF: 14565916.5/49



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.039+/-0.085 χ^2/NDF: 36.9/26

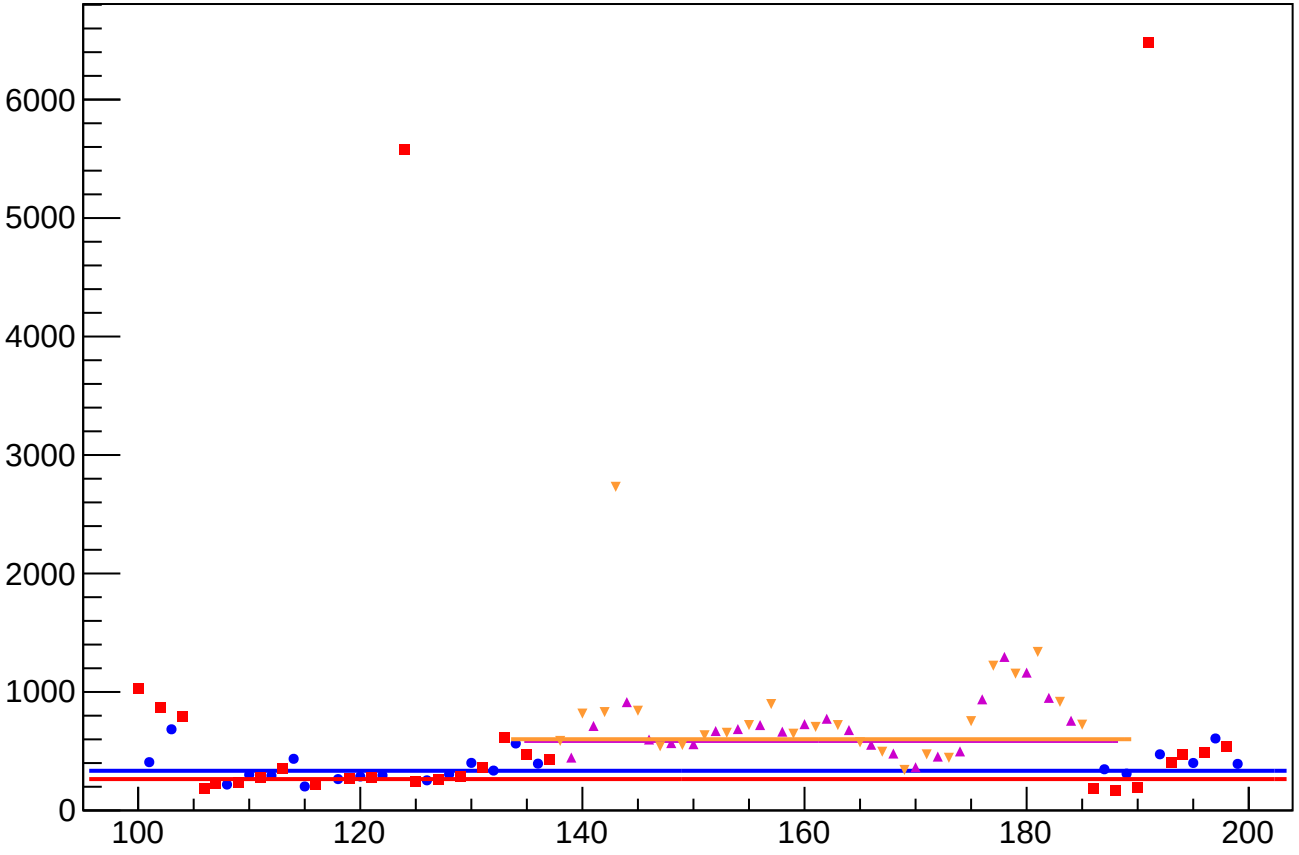
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.114+/-0.086 χ^2/NDF: 43.9/46

All: -0.046+/-0.056 χ^2/NDF: 112.0/96

- sign 0.004+/-0.074 χ^2/NDF: 67.0/49

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 334.834+/-0.074 χ^2/NDF: 1669153.8/21

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 264.754+/-0.060 χ^2/NDF: 4323489.6/26

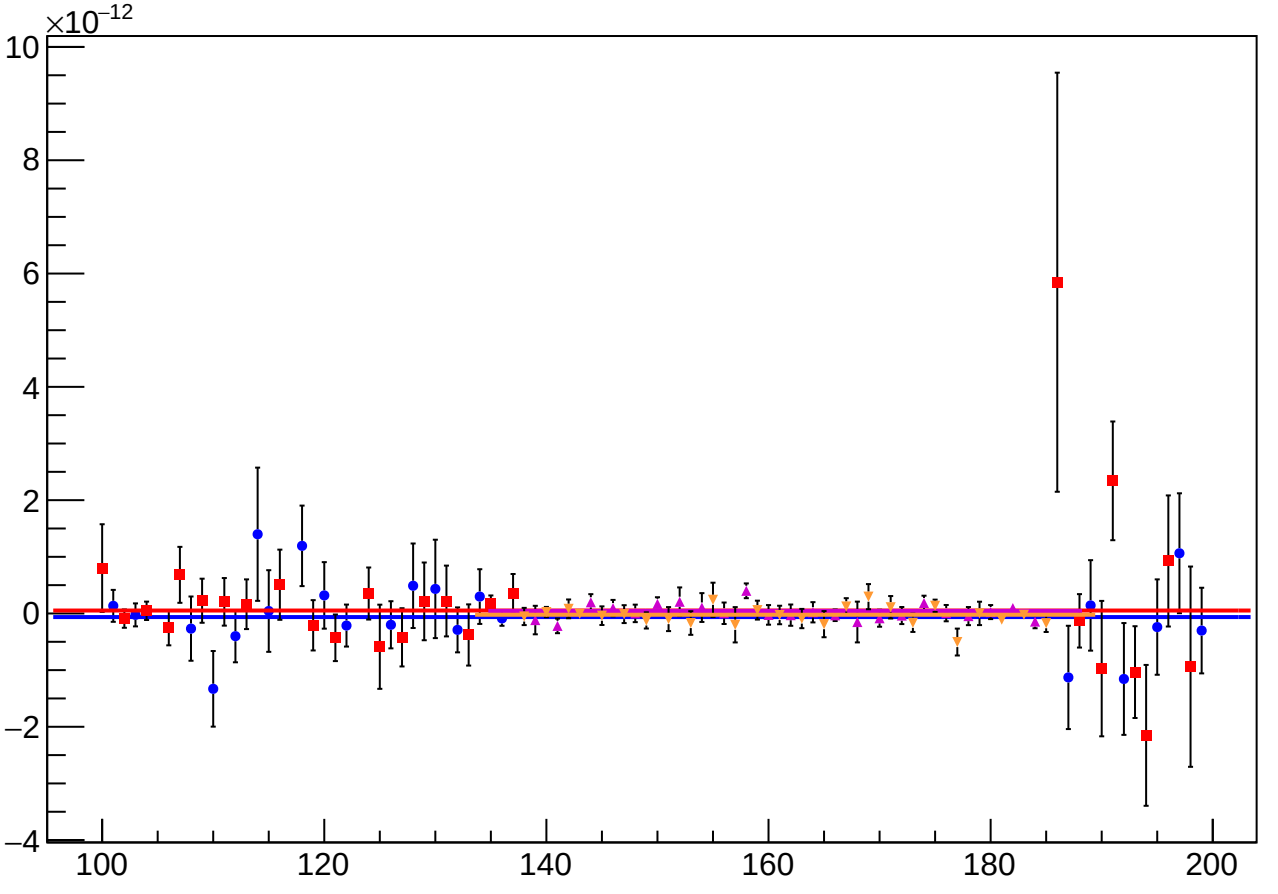
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 424.372+/-0.060 χ^2/NDF: 10459290.0/46

All: 380.310+/-0.039 χ^2/NDF: 25949775.3/96

- sign 347.629+/-0.052 χ^2/NDF: 14565916.5/49

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/26

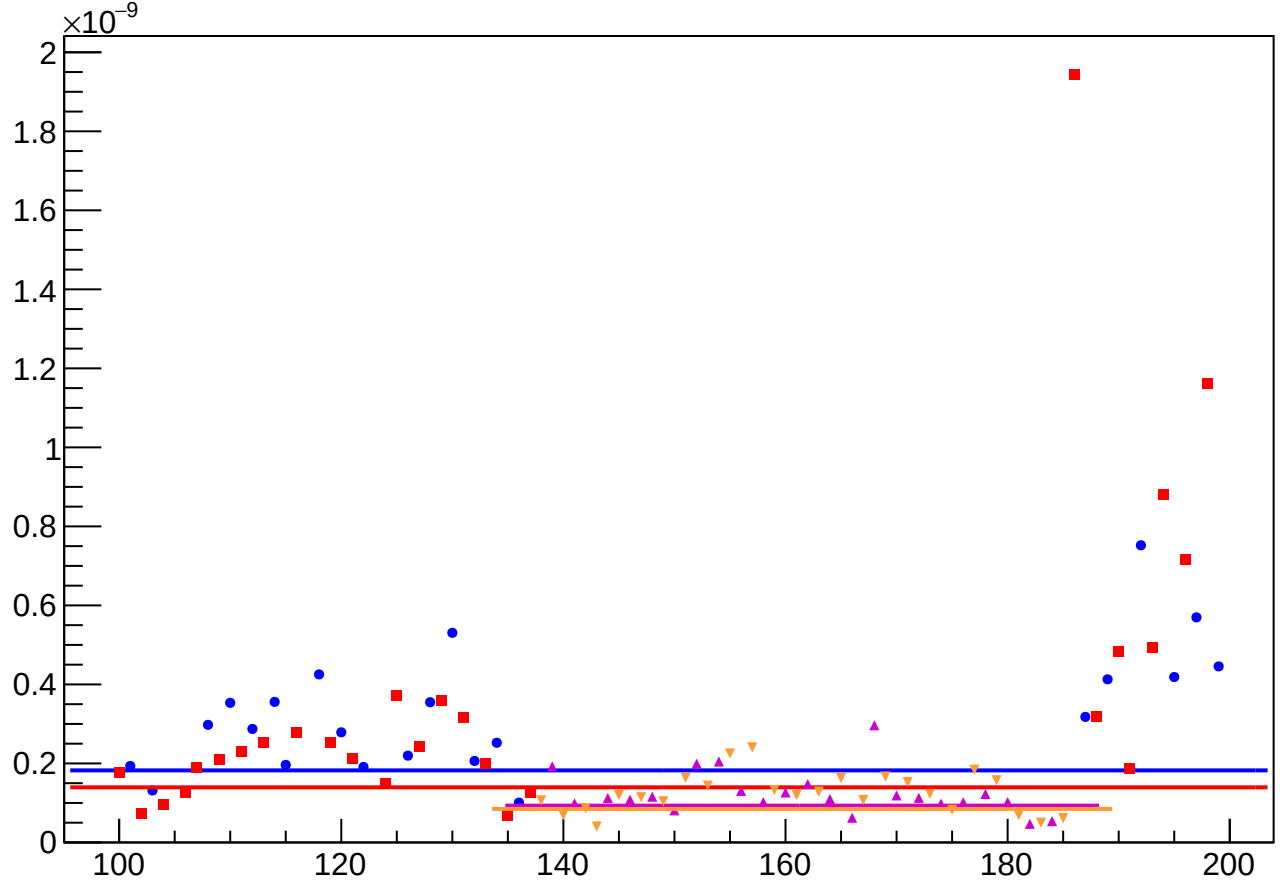
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.5/46

All: 0.000+/-0.000 χ^2/NDF: 83.9/96

- sign 0.000+/-0.000 χ^2/NDF: 47.4/49

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3601857.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5490054.7/26

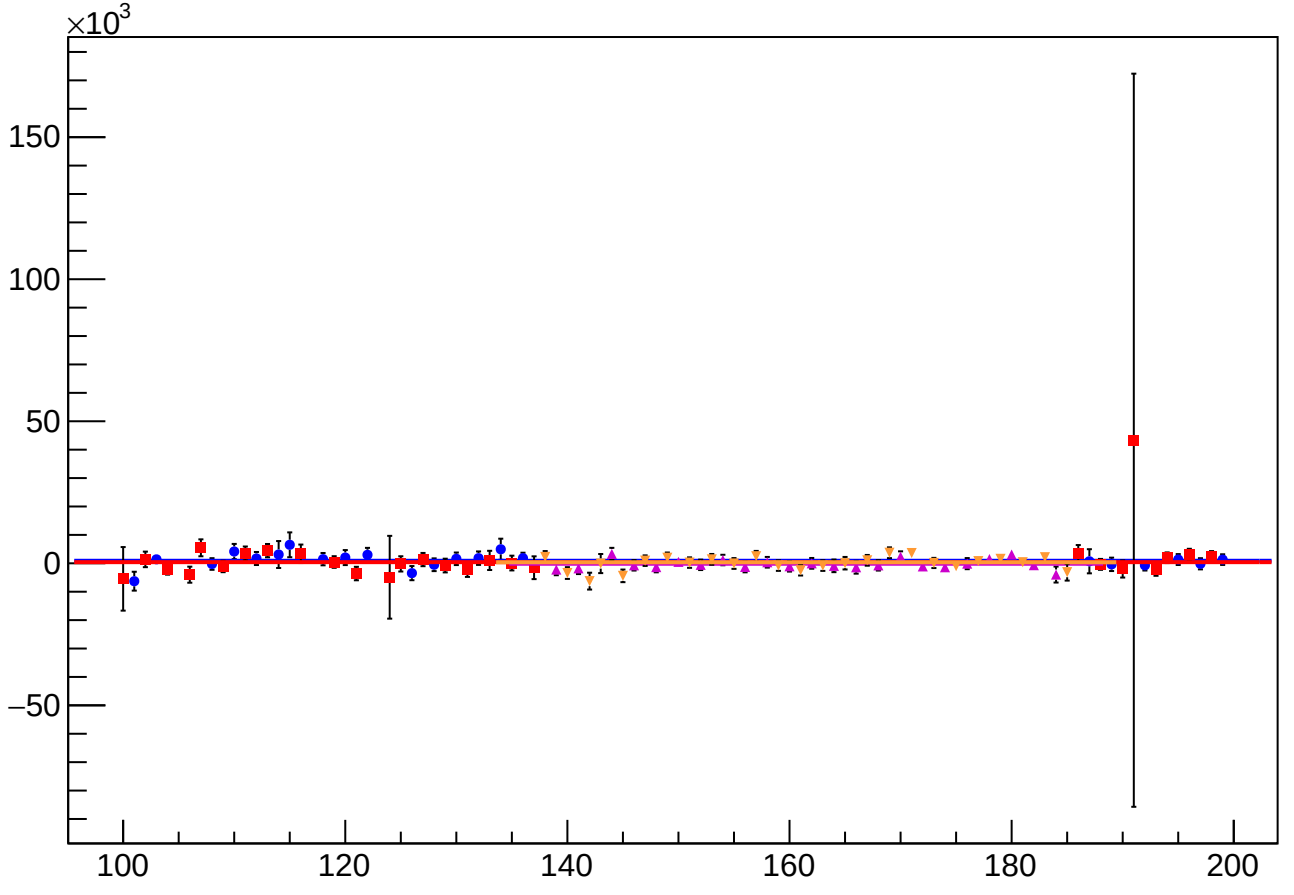
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11539867.6/46

All: 0.000+/-0.000 χ^2/NDF: 21740207.3/96

- sign 0.000+/-0.000 χ^2/NDF: 10142519.0/49

reg_asym_at2_dd_mean vs Slug



Right In: 889.385+/-497.383 χ^2/NDF: 16.1/21

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 404.196+/-482.382 χ^2/NDF: 26.2/26

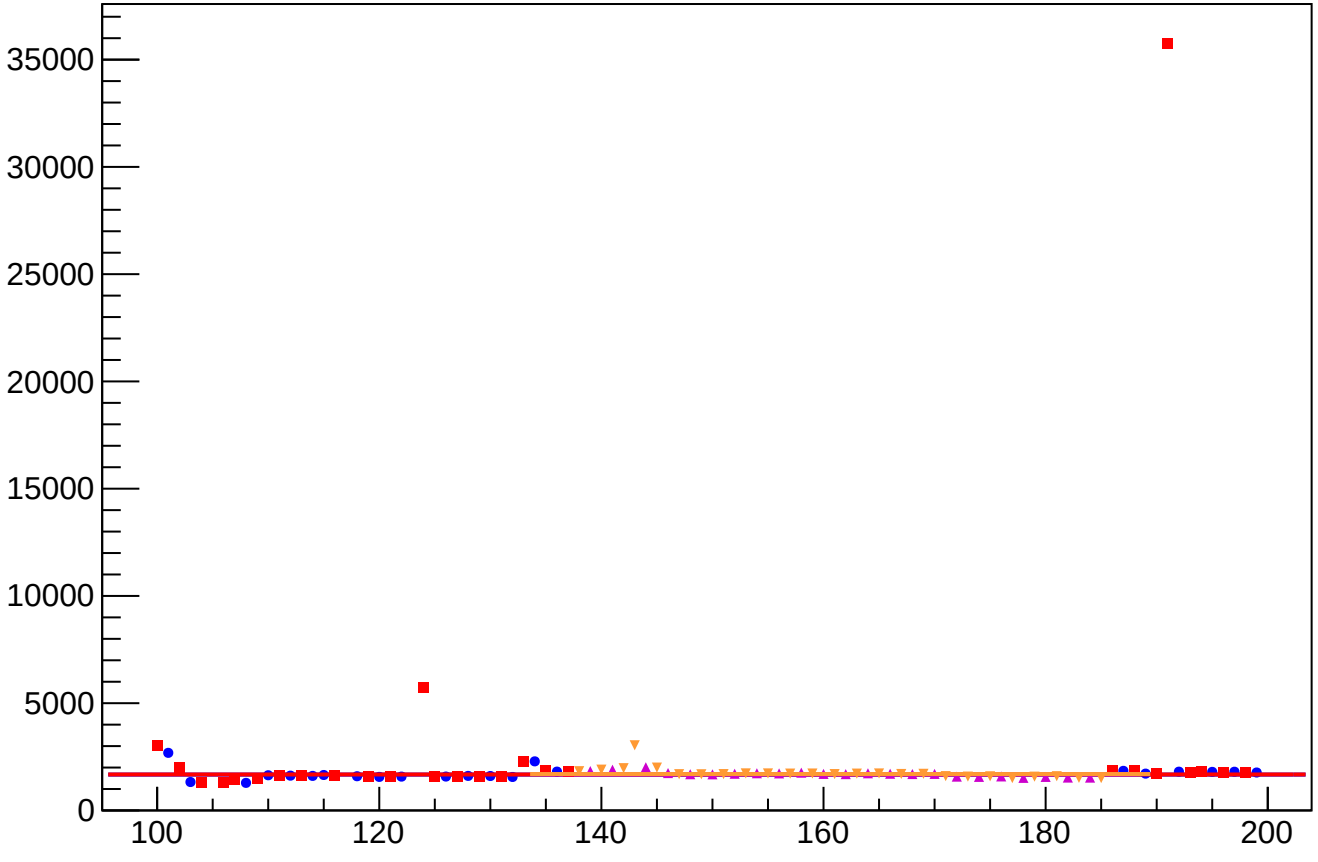
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

\+ sign 561.380+/-305.991 χ^2/NDF: 46.3/46

All: 313.972+/-216.112 χ^2/NDF: 90.6/96

\- sign 67.731+/-305.268 χ^2/NDF: 43.0/49

reg_asym_at2_dd_rms vs Slug



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.5/21

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

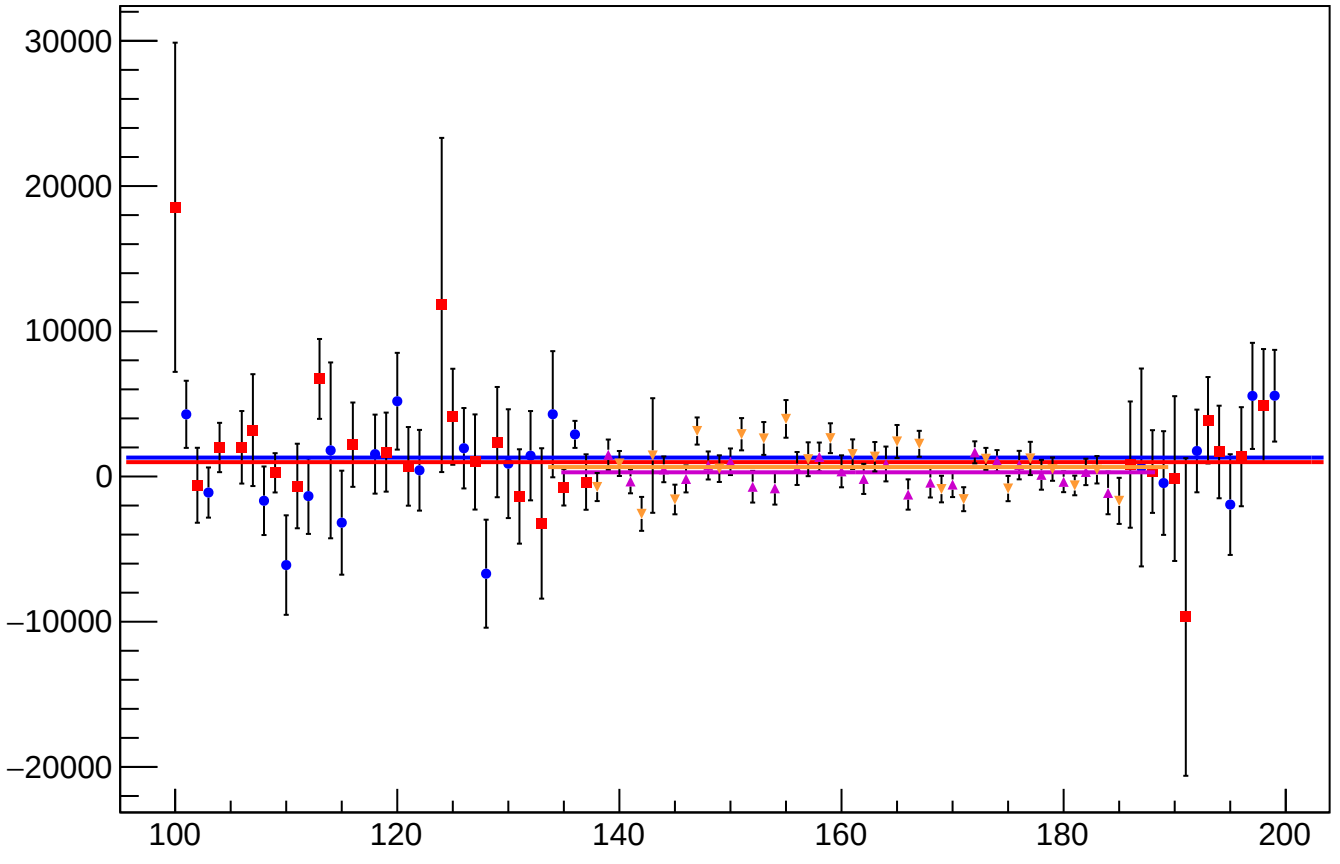
Right Out: 1677.417+/-0.341 χ^2/NDF: 660694.9/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1687.573+/-0.216 χ^2/NDF: 960007.3/46

All: 1684.634+/-0.153 χ^2/NDF: 1786690.1/96

- sign 1681.709+/-0.216 χ^2/NDF: 826314.7/49



Right In: 1302.938+/-537.291 χ^2/NDF: 26.4/21

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 988.909+/-513.227 χ^2/NDF: 17.4/26

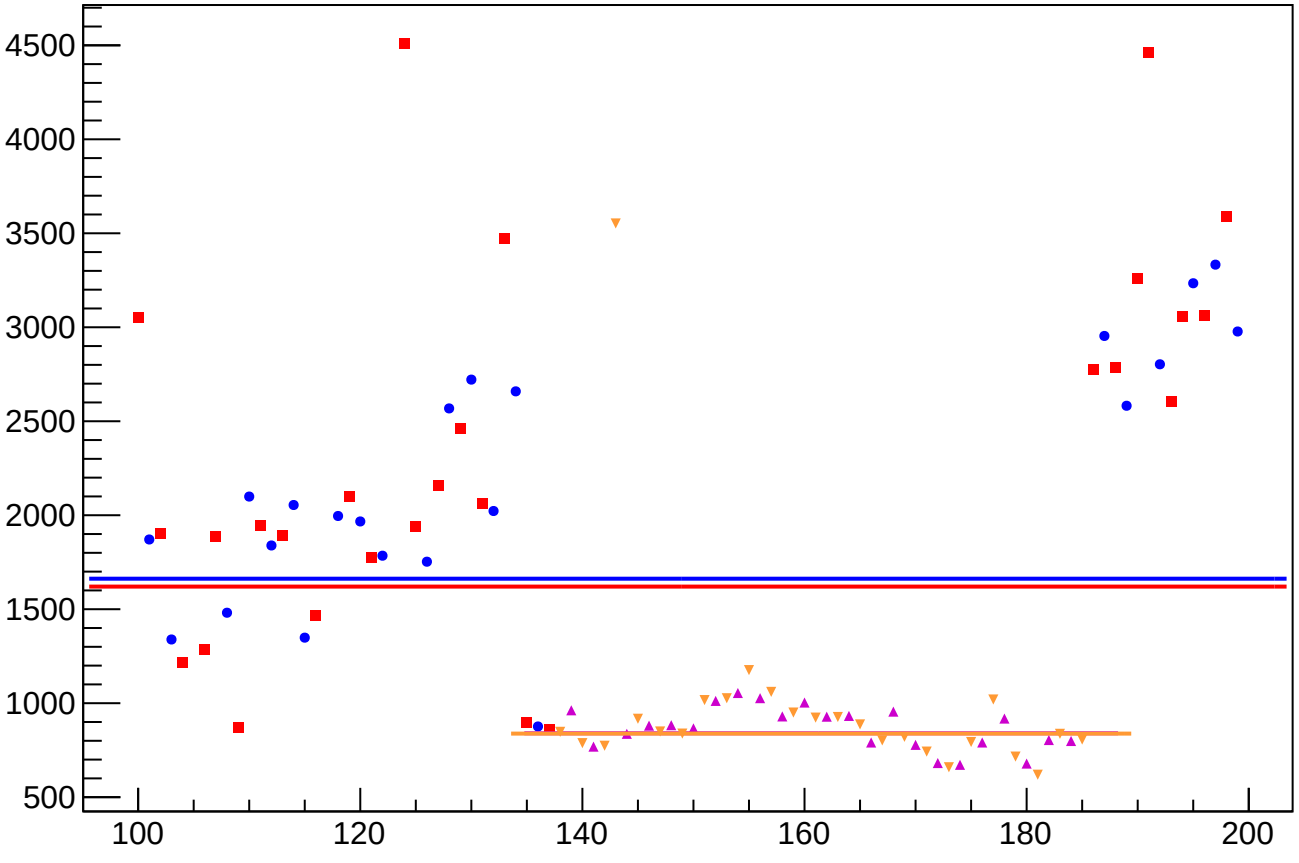
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

\+ sign 725.720+/-183.858 χ^2/NDF: 93.2/46

All: 553.921+/-130.455 χ^2/NDF: 130.5/96

\- sign 379.736+/-185.130 χ^2/NDF: 35.5/49

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1662.377+/-0.380 χ^2/NDF: 3757544.0/21

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

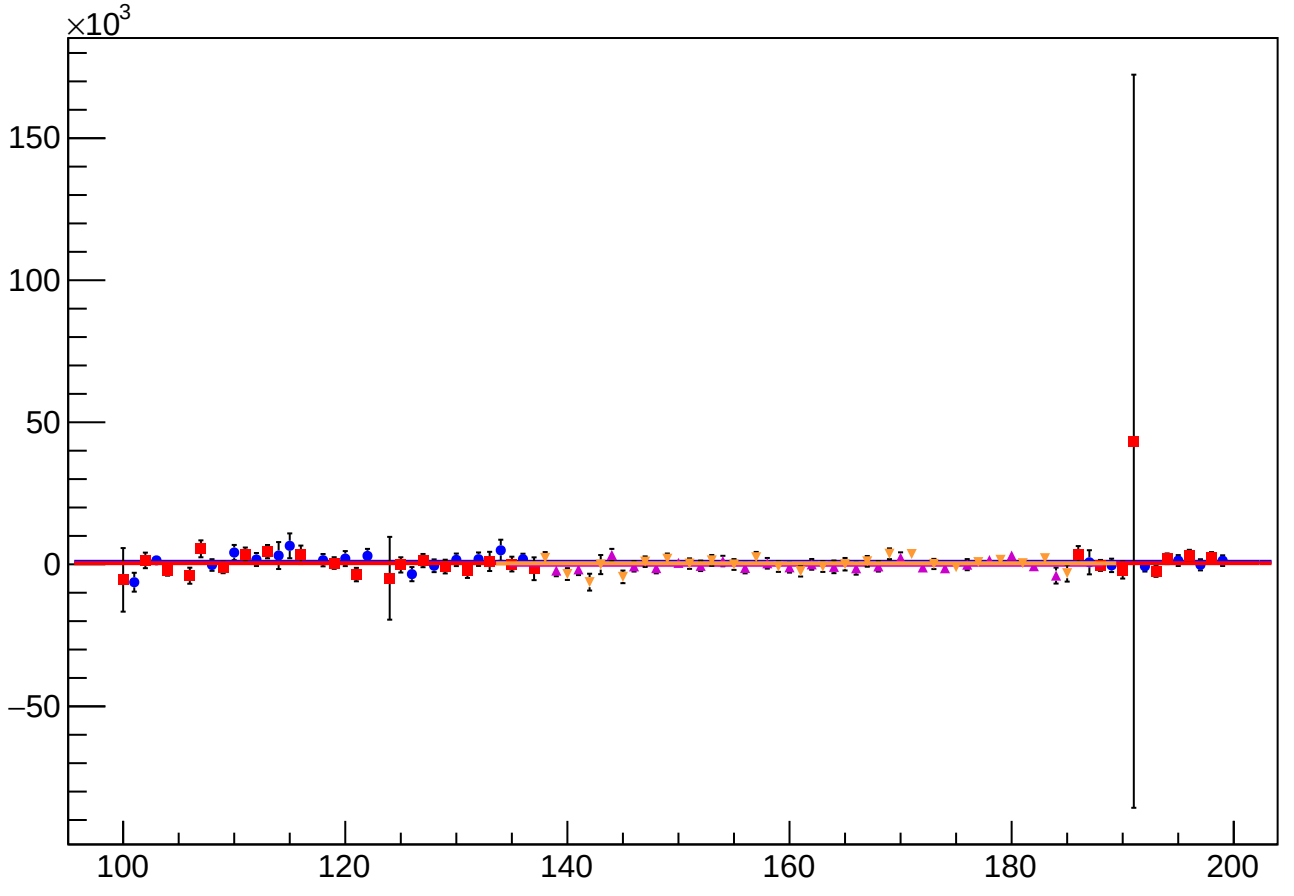
Right Out: 1620.380+/-0.363 χ^2/NDF: 4784146.2/26

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 934.746+/-0.130 χ^2/NDF: 9712295.6/46

All: 938.110+/-0.092 χ^2/NDF: 19189769.9/96

- sign 941.520+/-0.131 χ^2/NDF: 9476126.0/49



Right In: 889.371+/-497.383 χ^2/NDF: 16.1/21

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 404.407+/-482.382 χ^2/NDF: 26.2/26

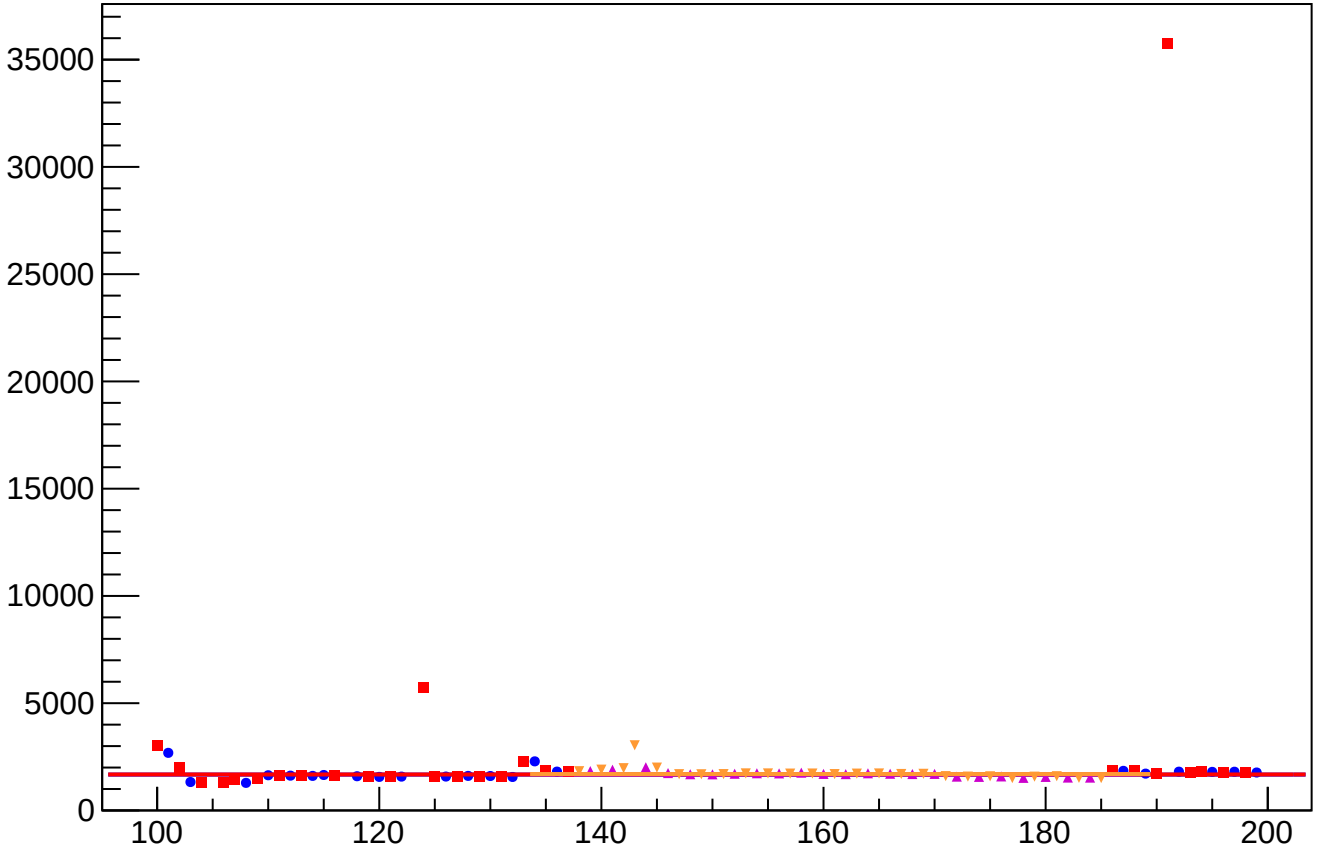
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 561.322+/-305.991 χ^2/NDF: 46.4/46

All: 314.014+/-216.112 χ^2/NDF: 90.7/96

- sign 67.872+/-305.268 χ^2/NDF: 43.0/49

cor_asym_at2_dd_rms vs Slug



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.8/21

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

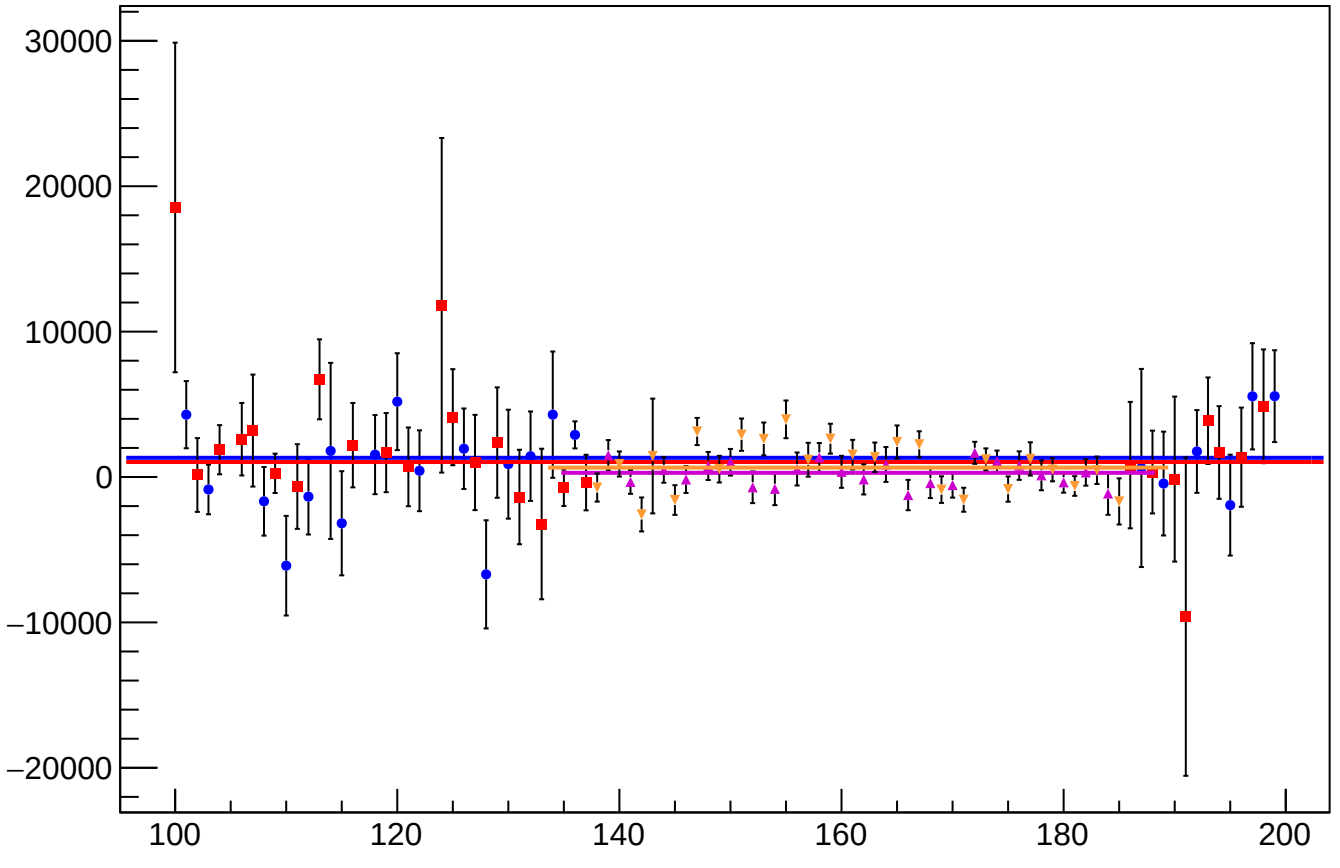
Right Out: 1677.417+/-0.341 χ^2/NDF: 660695.0/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1687.573+/-0.216 χ^2/NDF: 960007.6/46

All: 1684.634+/-0.153 χ^2/NDF: 1786690.5/96

- sign 1681.709+/-0.216 χ^2/NDF: 826314.8/49



Right In: 1322.324+/-536.635 χ^2/NDF: 26.0/21

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1032.539+/-512.625 χ^2/NDF: 17.2/26

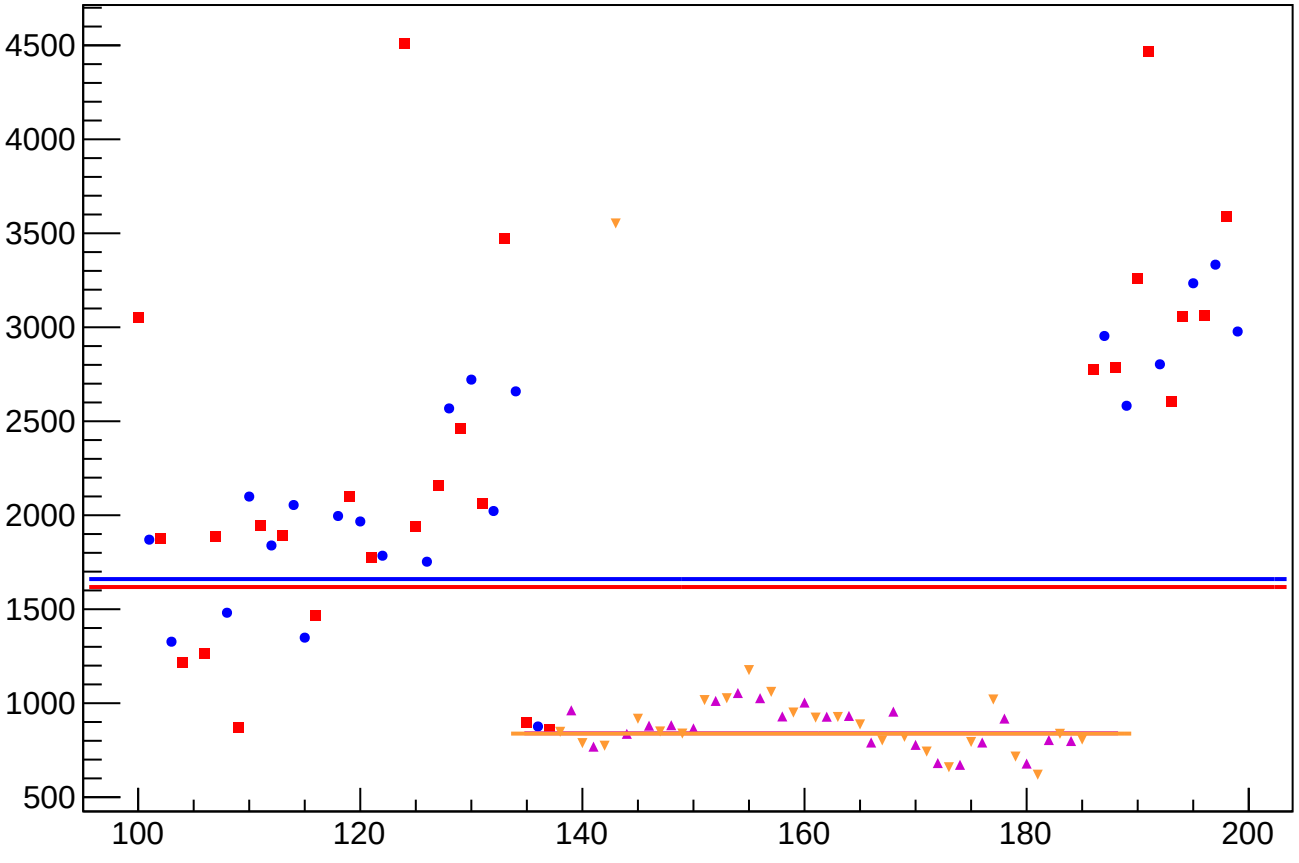
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 728.162+/-183.833 χ^2/NDF: 92.9/46

All: 558.059+/-130.436 χ^2/NDF: 130.3/96

- sign 385.599+/-185.102 χ^2/NDF: 35.6/49

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1660.404+/-0.379 χ^2/NDF: 3764388.6/21

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

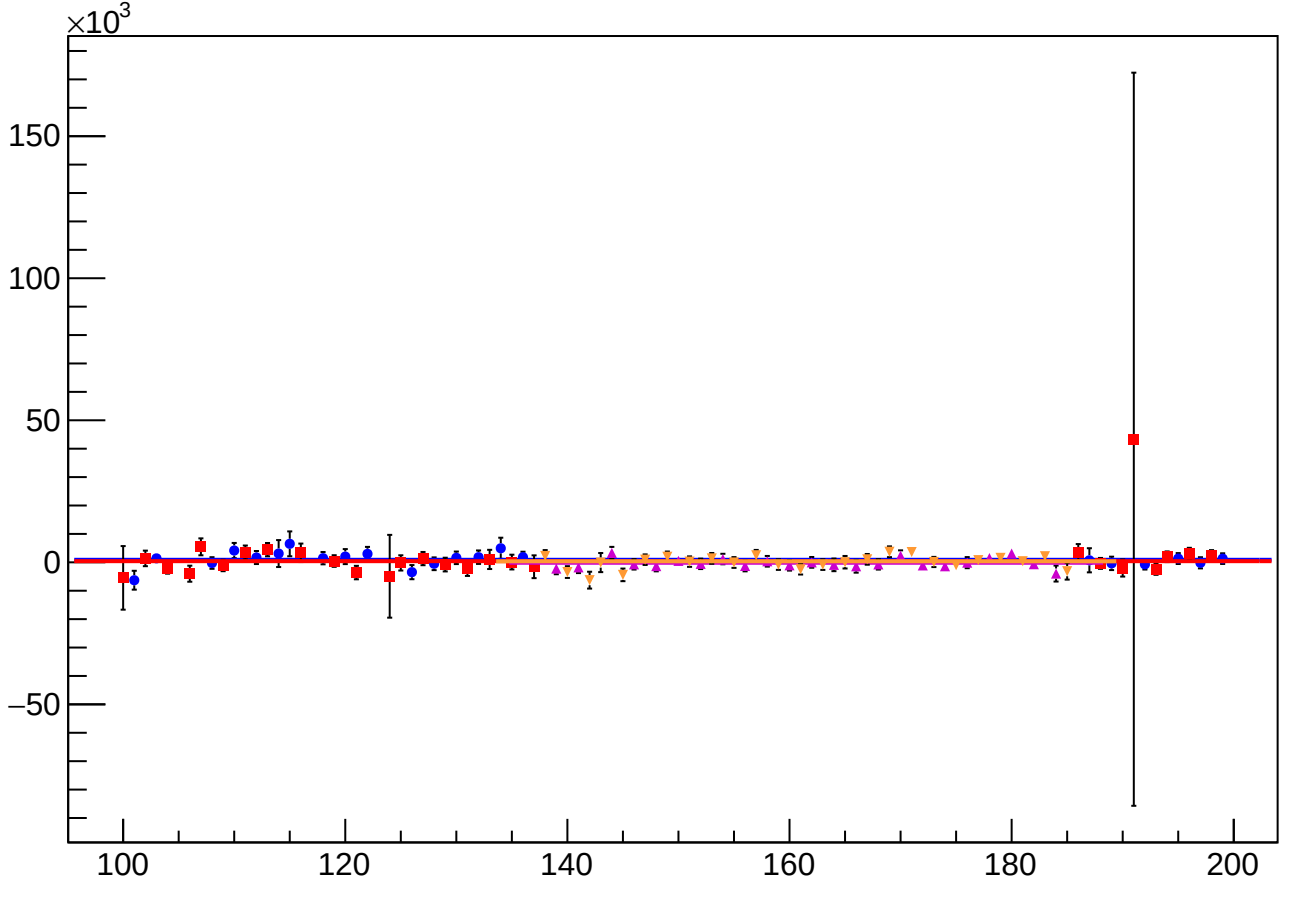
Right Out: 1618.083+/-0.362 χ^2/NDF: 4787474.5/26

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 934.735+/-0.130 χ^2/NDF: 9707979.5/46

All: 938.060+/-0.092 χ^2/NDF: 19173243.3/96

- sign 941.431+/-0.131 χ^2/NDF: 9463946.3/49



Right In: 889.371+/-497.383 χ^2/NDF: 16.1/21

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 404.407+/-482.382 χ^2/NDF: 26.2/26

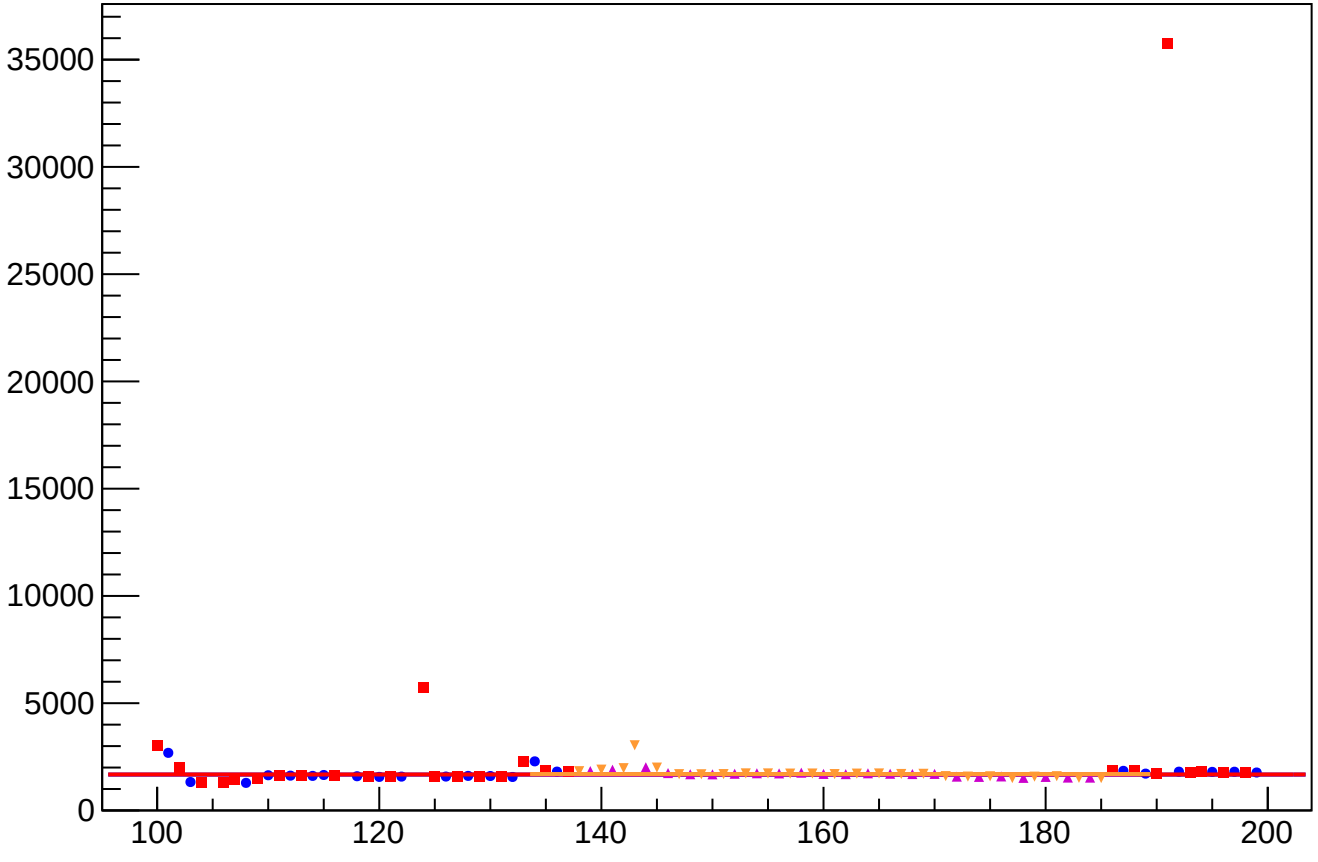
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 561.322+/-305.991 χ^2/NDF: 46.4/46

All: 314.014+/-216.112 χ^2/NDF: 90.7/96

- sign 67.872+/-305.268 χ^2/NDF: 43.0/49

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.8/21

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

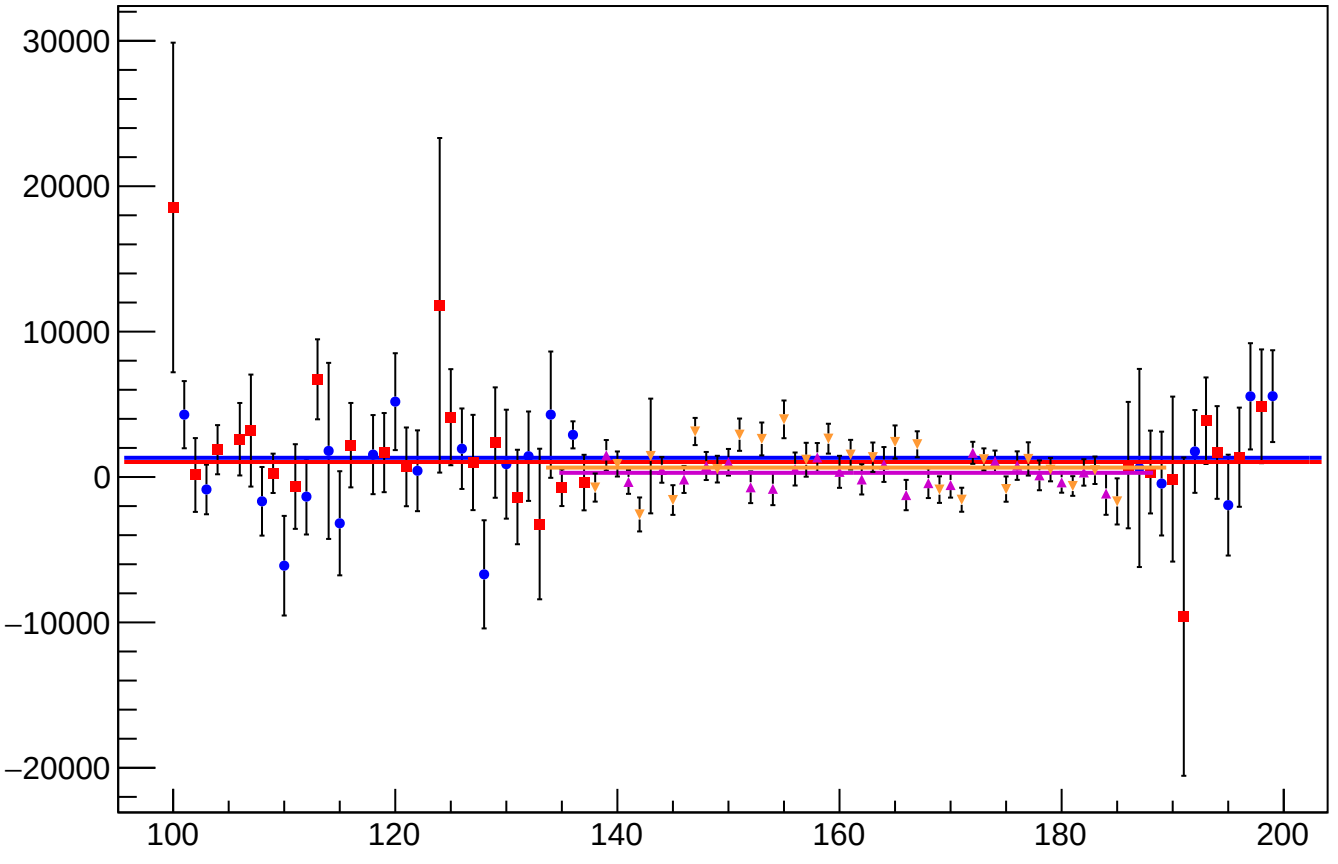
Right Out: 1677.417+/-0.341 χ^2/NDF: 660695.0/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1687.573+/-0.216 χ^2/NDF: 960007.6/46

All: 1684.634+/-0.153 χ^2/NDF: 1786690.5/96

- sign 1681.709+/-0.216 χ^2/NDF: 826314.8/49



Right In: 1322.324+/-536.635 χ^2/NDF: 26.0/21

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1032.539+/-512.625 χ^2/NDF: 17.2/26

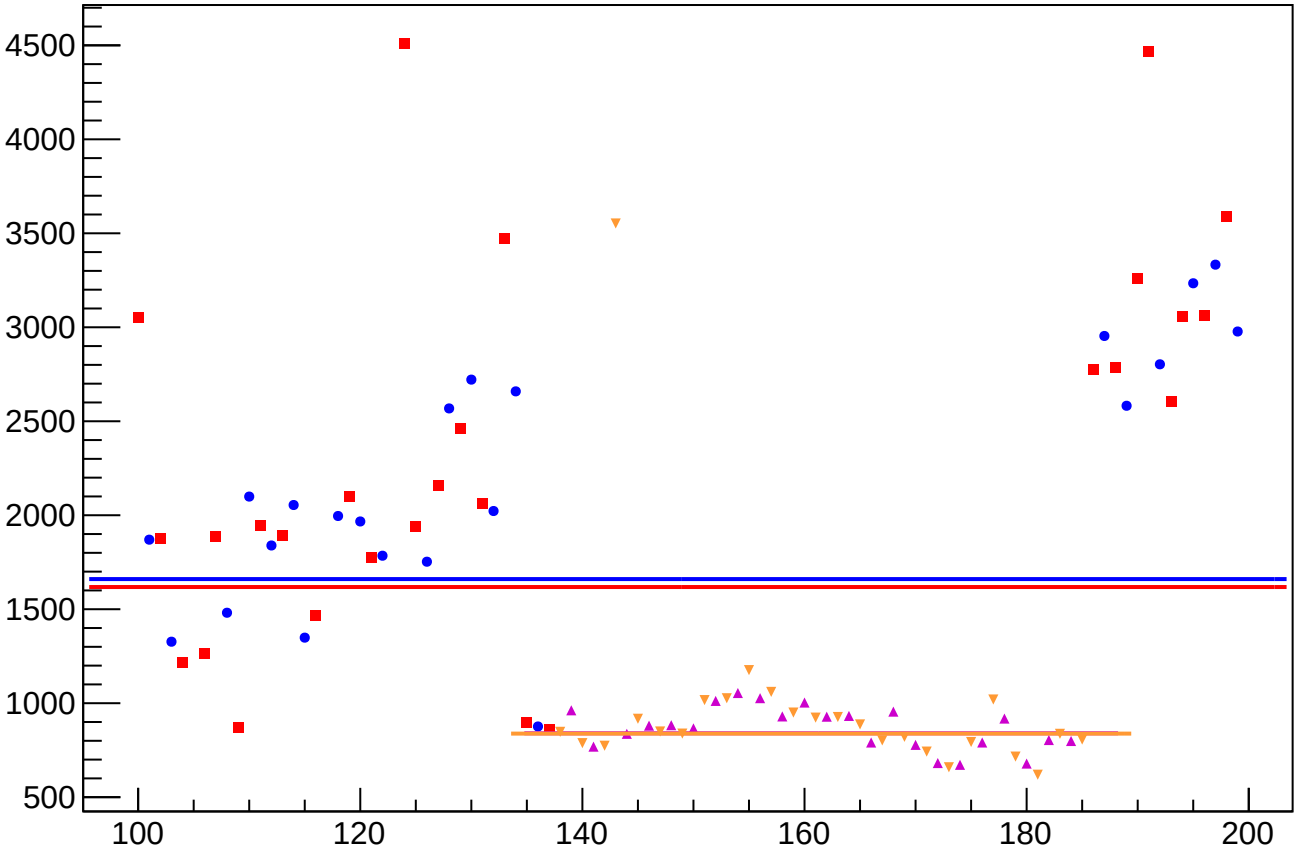
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

\+ sign 728.162+/-183.833 χ^2/NDF: 92.9/46

All: 558.059+/-130.436 χ^2/NDF: 130.3/96

\- sign 385.599+/-185.102 χ^2/NDF: 35.6/49

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1660.404+/-0.379 χ^2/NDF: 3764388.6/21

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1618.083+/-0.362 χ^2/NDF: 4787474.5/26

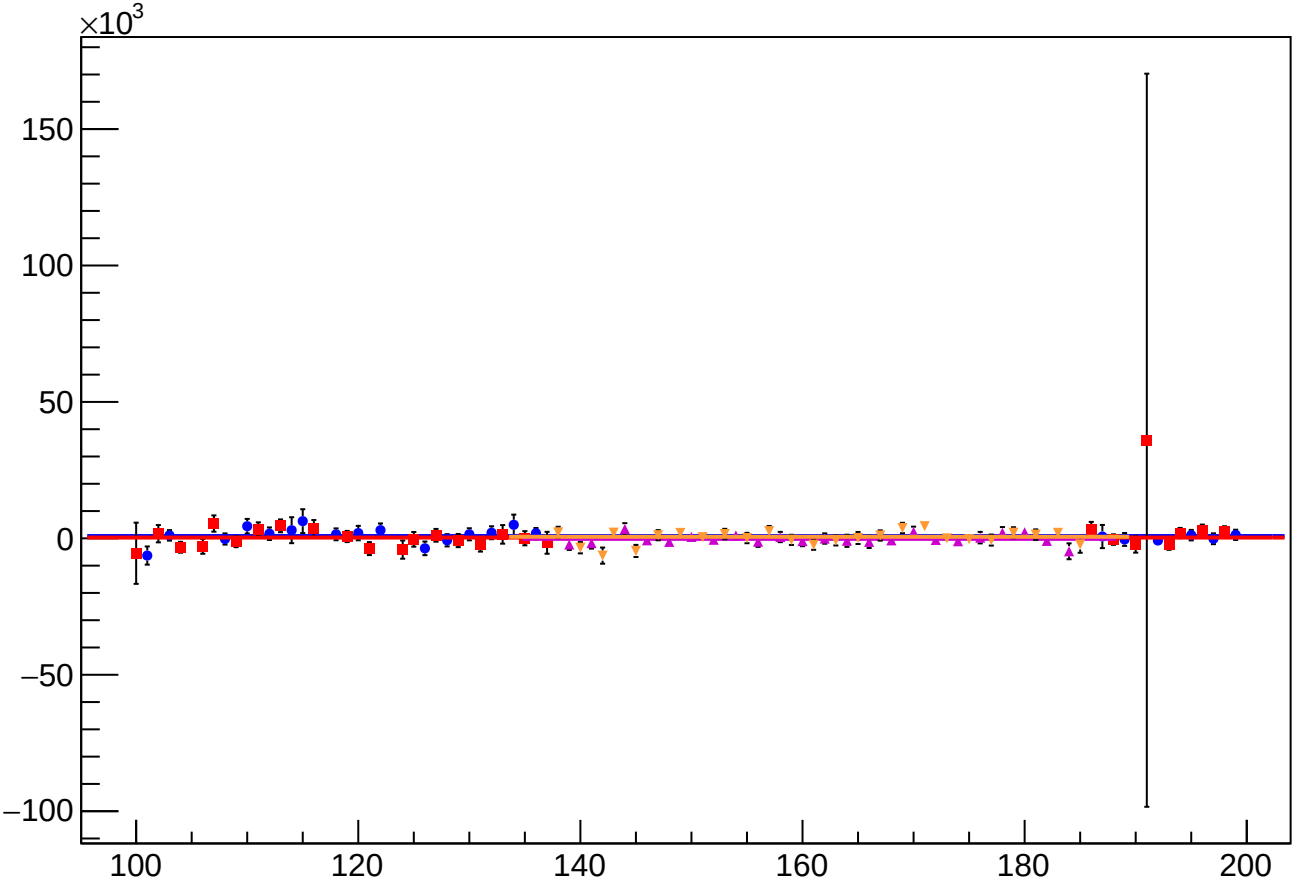
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 934.735+/-0.130 χ^2/NDF: 9707979.5/46

All: 938.060+/-0.092 χ^2/NDF: 19173243.3/96

- sign 941.431+/-0.131 χ^2/NDF: 9463946.3/49

dit_asym_at2_dd_mean vs Slug



Right In: 843.510+/-502.292 χ^2/NDF: 16.6/21

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 287.971+/-482.830 χ^2/NDF: 28.4/26

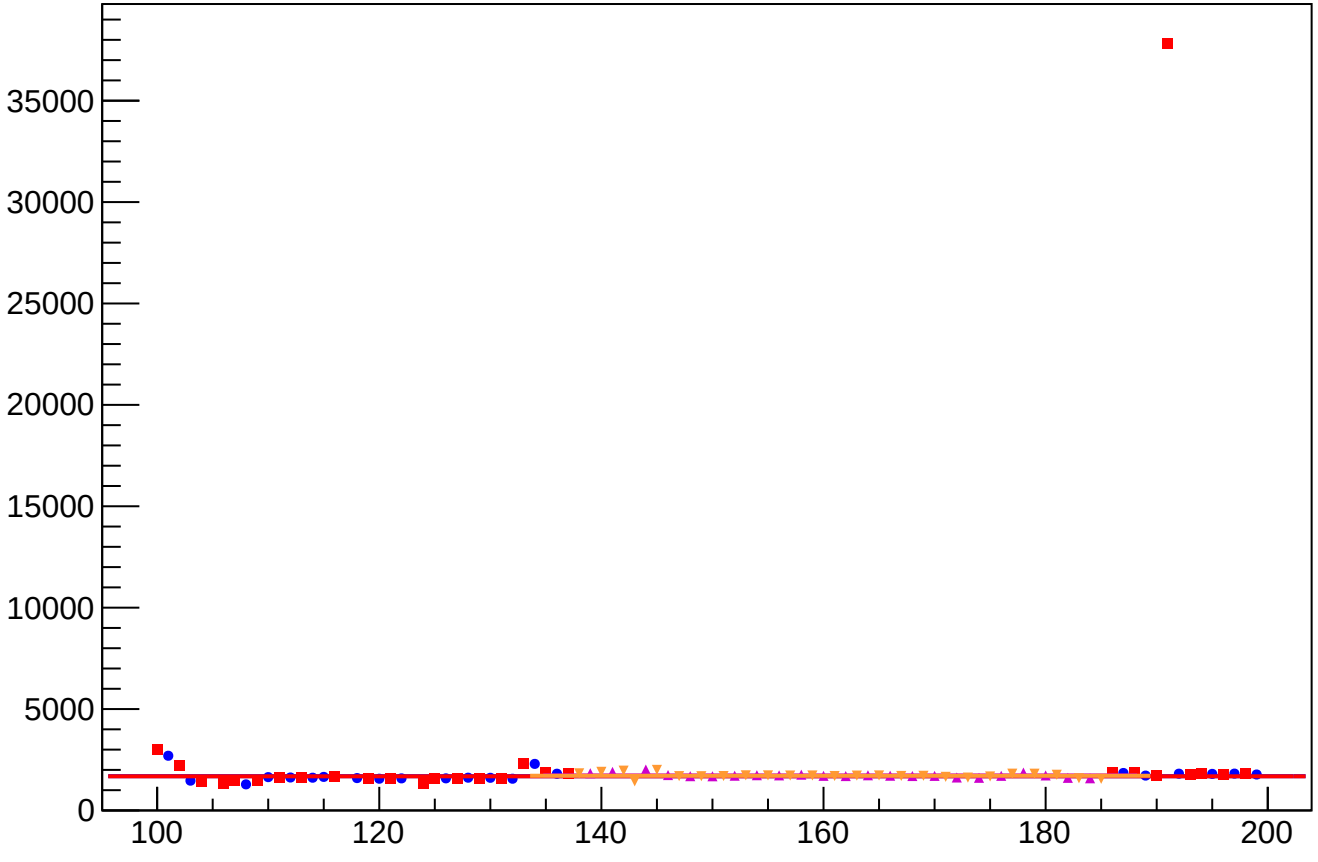
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 679.223+/-307.933 χ^2/NDF: 48.7/46

All: 346.396+/-218.428 χ^2/NDF: 94.4/96

- sign 9.334+/-309.885 χ^2/NDF: 43.4/49

dit_asym_at2_dd_rms vs Slug



Right In: 1689.818+/-0.355 χ^2/NDF: 406956.1/21

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1683.502+/-0.341 χ^2/NDF: 521044.9/26

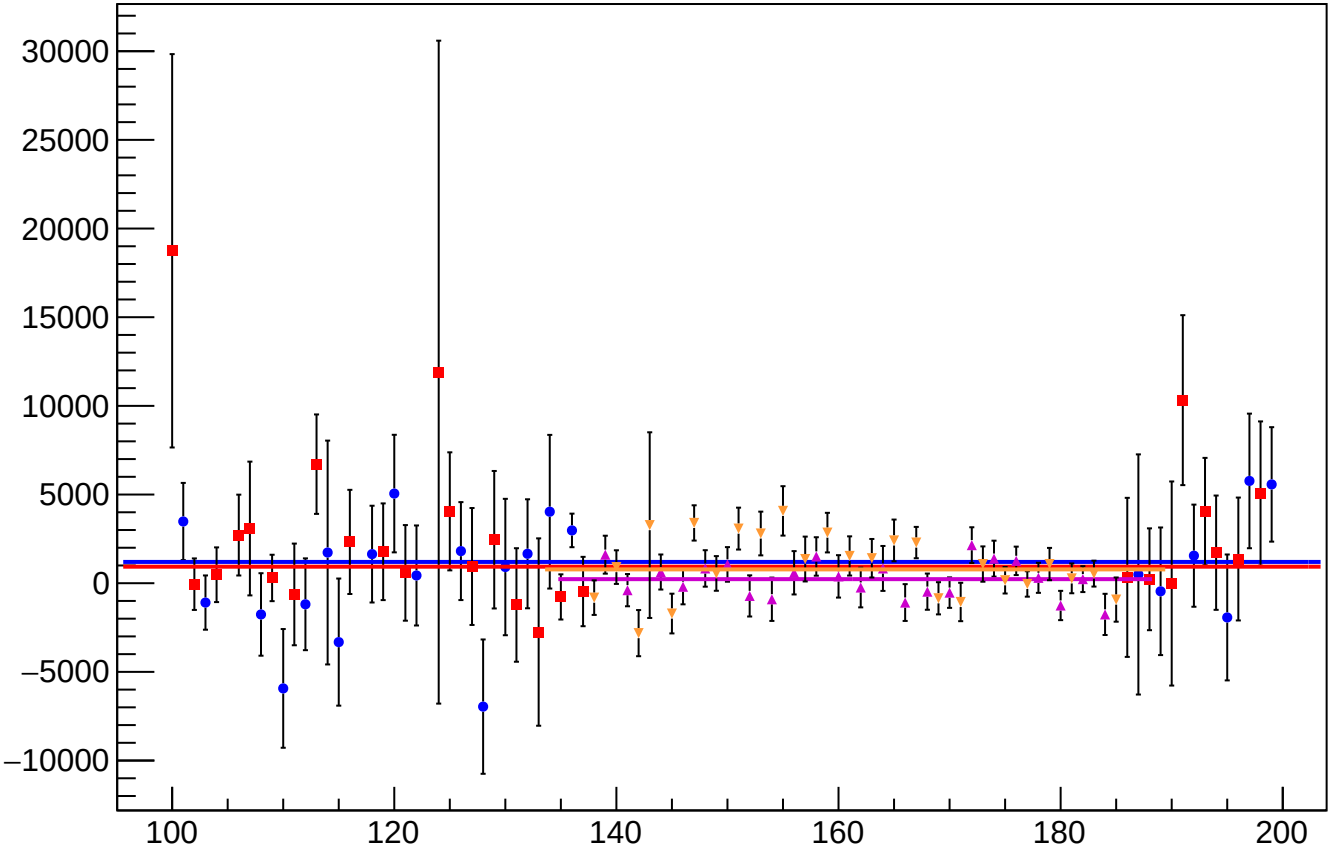
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1703.483+/-0.218 χ^2/NDF: 577334.2/46

All: 1706.532+/-0.154 χ^2/NDF: 1208951.1/96

- sign 1709.619+/-0.219 χ^2/NDF: 631222.4/49

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1200.252+/-532.621 χ^2/NDF: 26.4/21

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 932.189+/-485.455 χ^2/NDF: 19.9/26

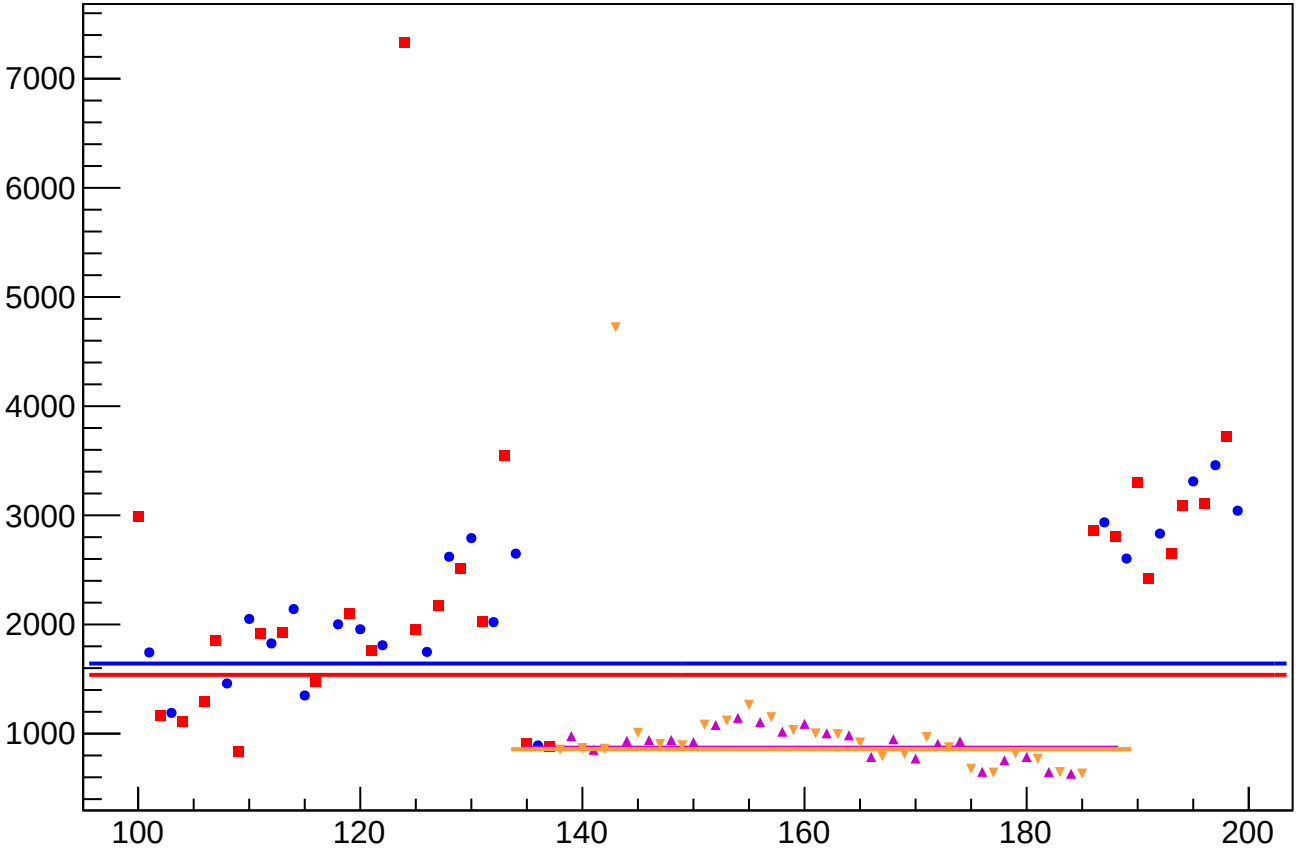
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 831.784+/-188.579 χ^2/NDF: 81.5/46

All: 586.395+/-133.908 χ^2/NDF: 129.2/96

- sign 336.819+/-190.181 χ^2/NDF: 44.3/49

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1642.290+/-0.377 χ^2/NDF: 3864970.1/21

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1538.546+/-0.343 χ^2/NDF: 5119649.0/26

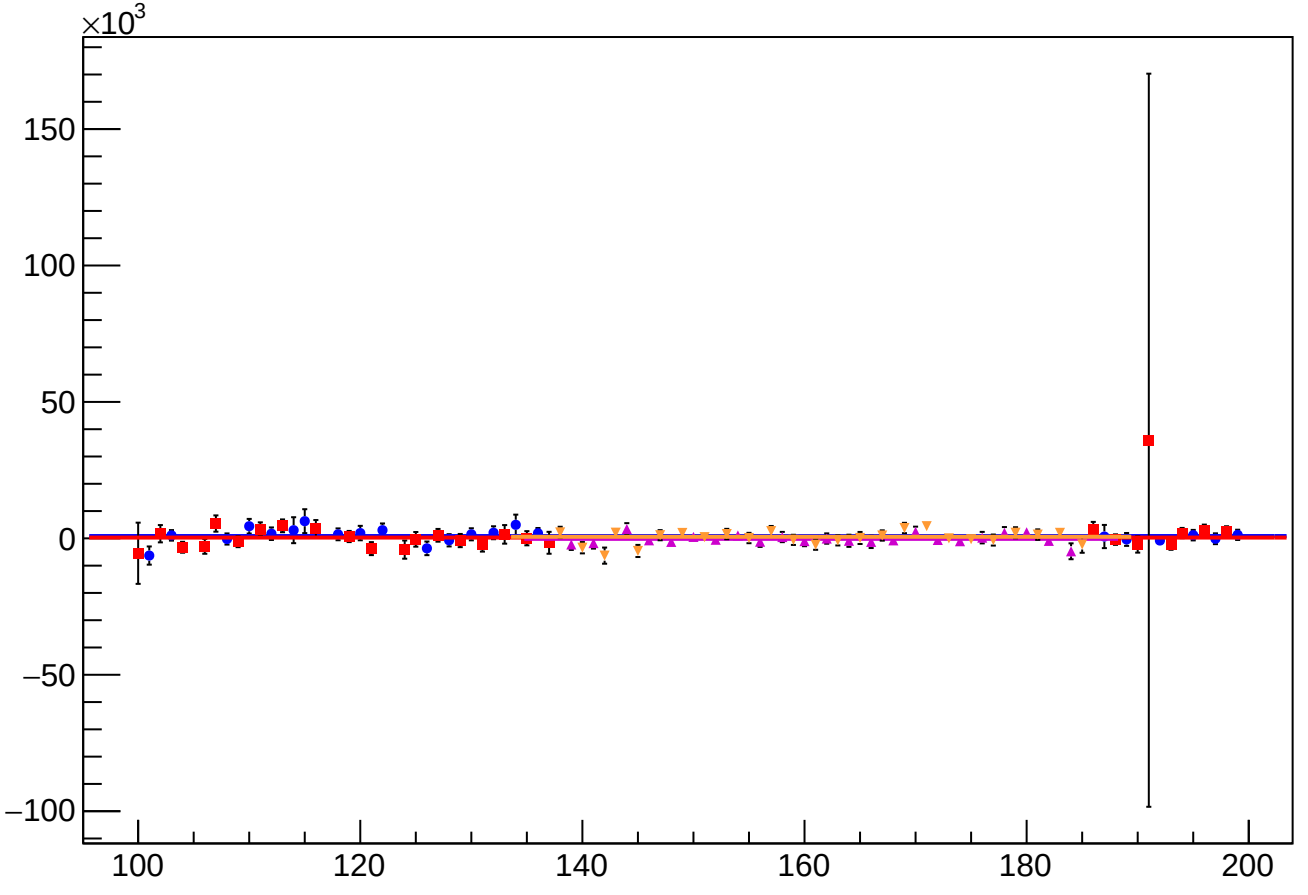
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 956.835+/-0.133 χ^2/NDF: 9931962.2/46

All: 965.294+/-0.095 χ^2/NDF: 19235400.0/96

- sign 973.897+/-0.134 χ^2/NDF: 9295321.0/49

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 843.512+/-502.292 χ^2/NDF: 16.6/21

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 287.969+/-482.830 χ^2/NDF: 28.4/26

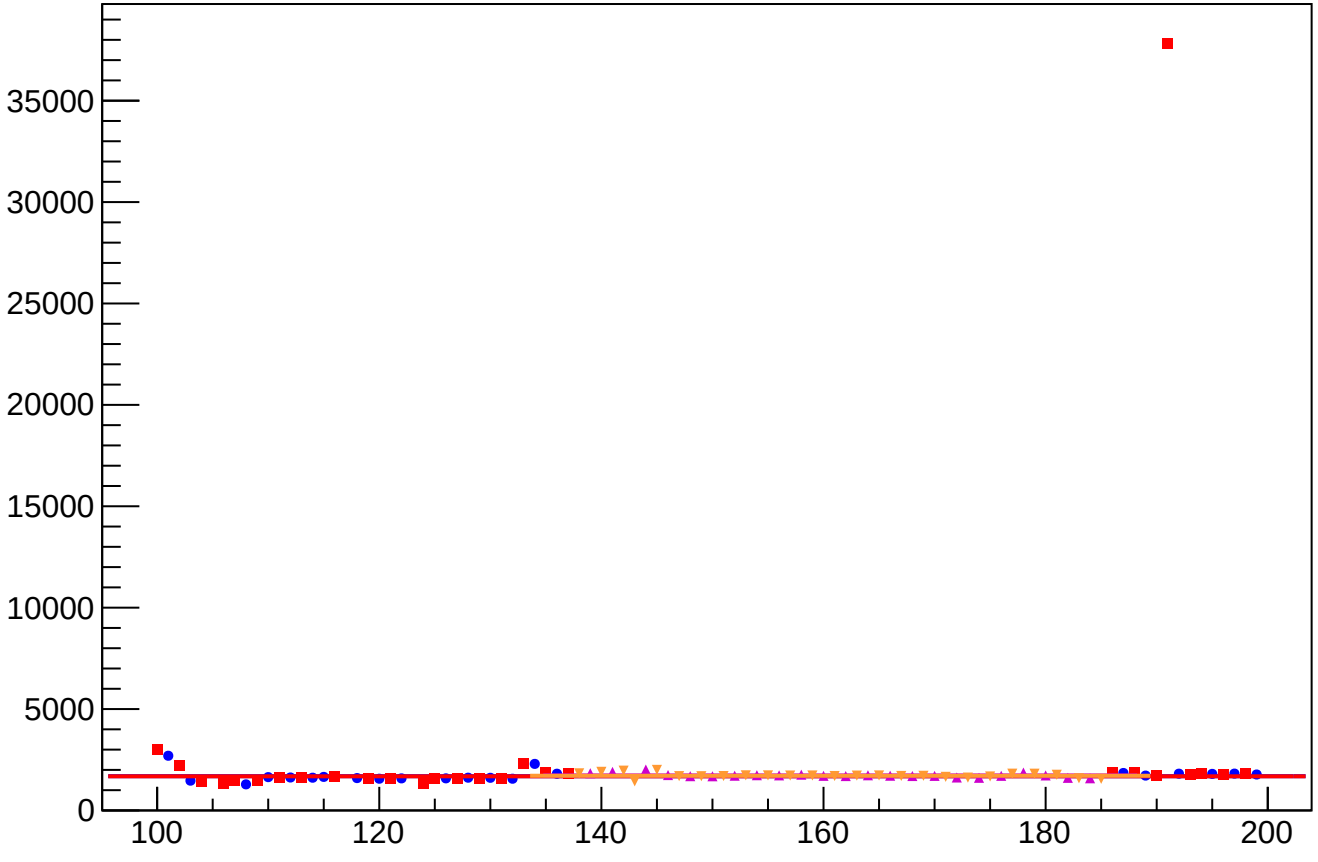
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 679.222+/-307.933 χ^2/NDF: 48.7/46

All: 346.394+/-218.428 χ^2/NDF: 94.4/96

- sign 9.333+/-309.885 χ^2/NDF: 43.4/49

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1689.818+/-0.355 χ^2/NDF: 406955.9/21

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1683.502+/-0.341 χ^2/NDF: 521045.0/26

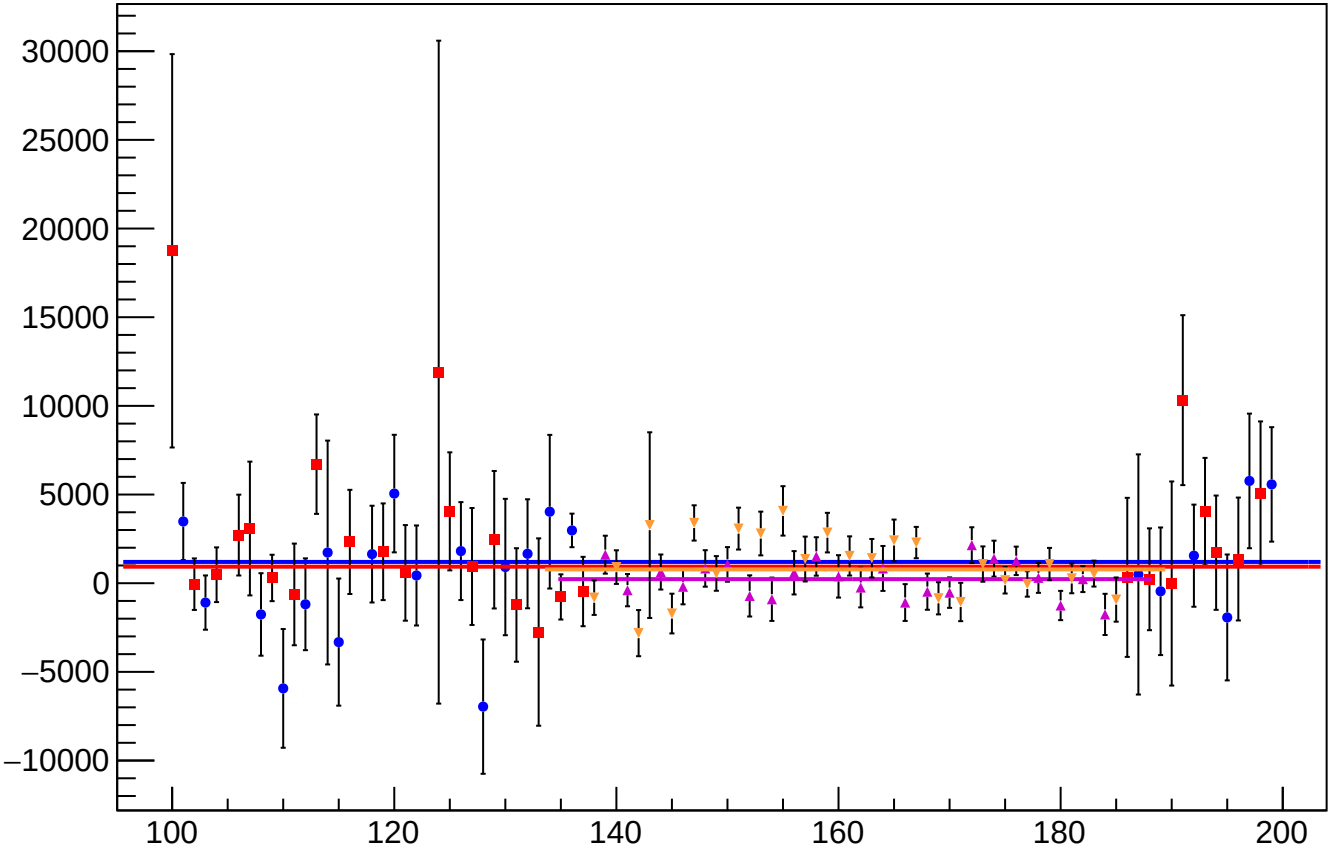
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1703.483+/-0.218 χ^2/NDF: 577332.7/46

All: 1706.531+/-0.154 χ^2/NDF: 1208949.5/96

- sign 1709.618+/-0.219 χ^2/NDF: 631222.3/49

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1200.245+/-532.624 χ^2/NDF: 26.4/21

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 932.205+/-485.458 χ^2/NDF: 19.9/26

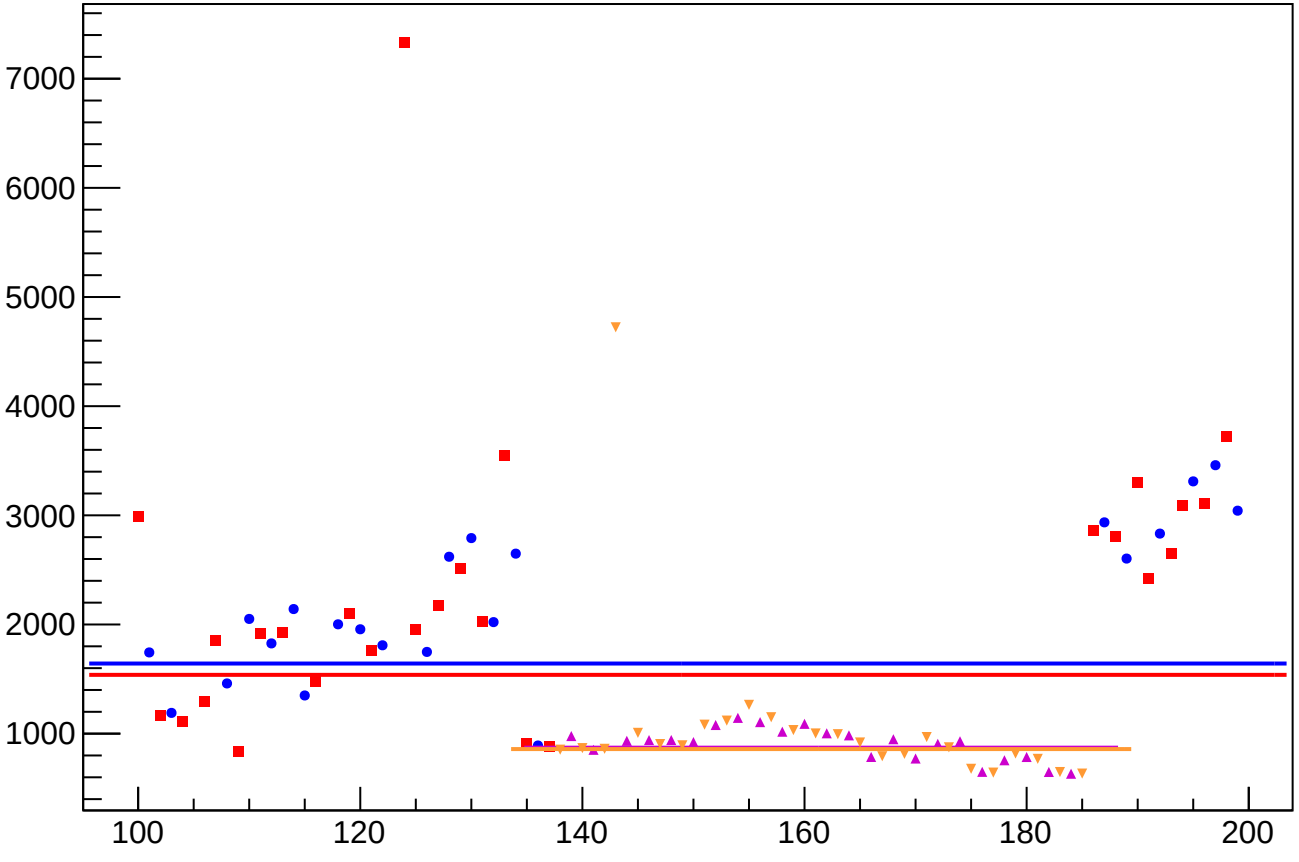
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 831.785+/-188.579 χ^2/NDF: 81.5/46

All: 586.395+/-133.909 χ^2/NDF: 129.2/96

- sign 336.818+/-190.181 χ^2/NDF: 44.3/49

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1642.305+/-0.377 χ^2/NDF: 3864834.2/21

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1538.561+/-0.343 χ^2/NDF: 5119525.2/26

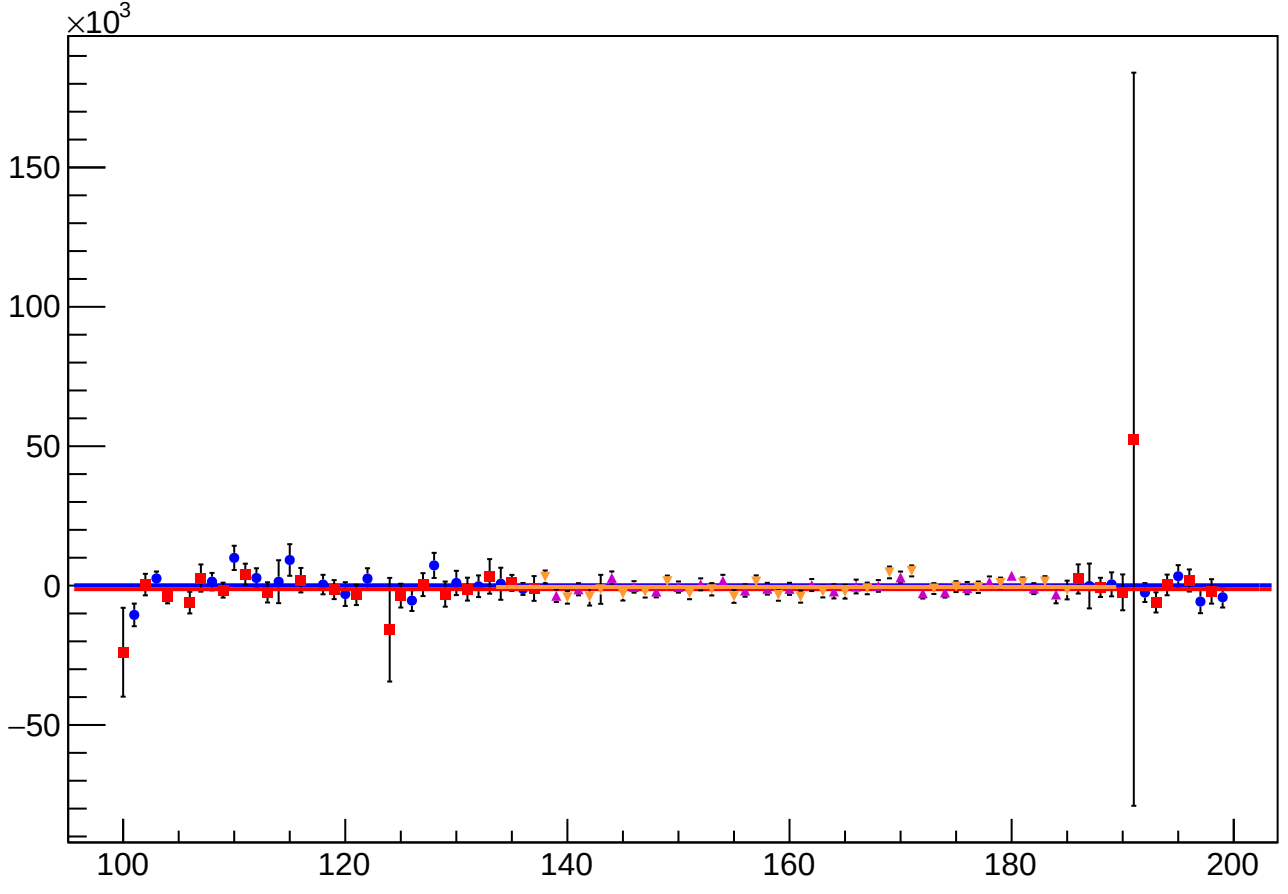
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 956.836+/-0.133 χ^2/NDF: 9931929.0/46

All: 965.295+/-0.095 χ^2/NDF: 19235360.4/96

- sign 973.897+/-0.134 χ^2/NDF: 9295315.5/49

asym_at2_dd_mean vs Slug



Right In: 112.803+/-800.591 χ^2/NDF: 26.9/21

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1286.123+/-773.514 χ^2/NDF: 14.1/26

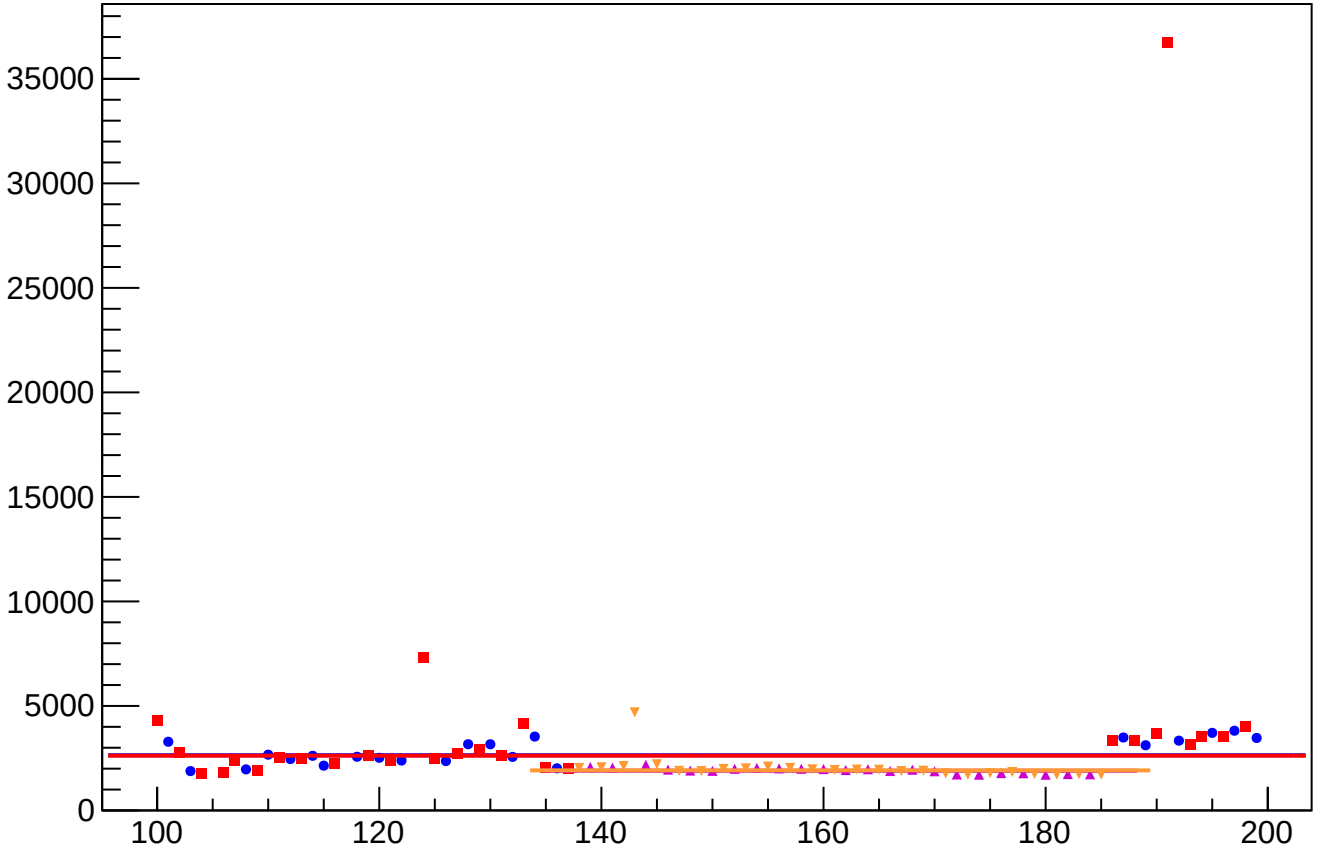
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -359.047+/-385.545 χ^2/NDF: 63.3/46

All: -493.830+/-272.586 χ^2/NDF: 97.5/96

- sign -628.543+/-385.446 χ^2/NDF: 33.9/49

asym_at2_dd_rms vs Slug



Right In: 2641.257+/-0.566 χ^2/NDF: 1189114.4/21

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

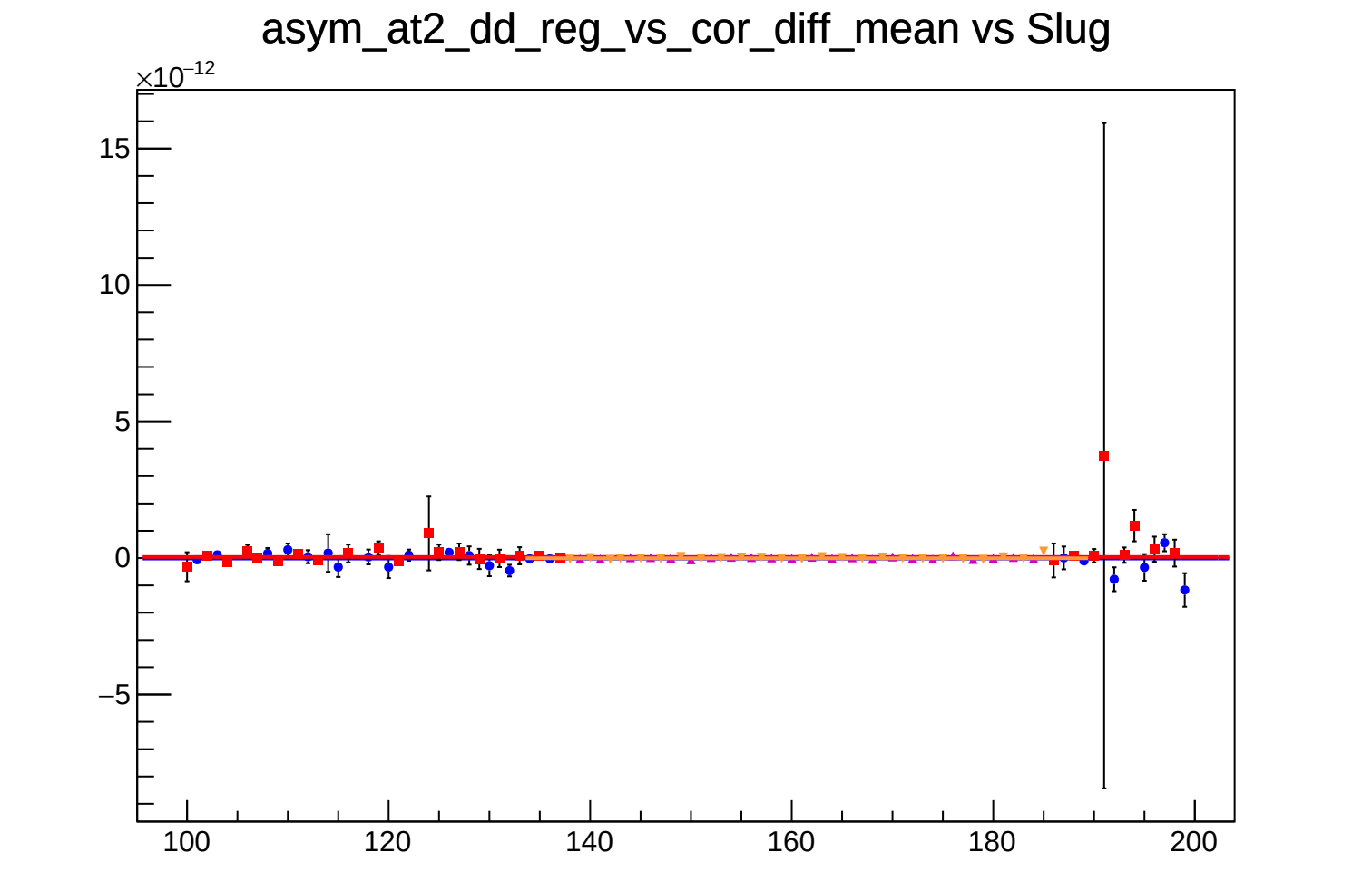
Right Out: 2621.089+/-0.547 χ^2/NDF: 1715515.0/26

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2085.087+/-0.273 χ^2/NDF: 3202153.5/46

All: 2081.786+/-0.193 χ^2/NDF: 6400592.1/96

- sign 2078.486+/-0.273 χ^2/NDF: 3198145.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

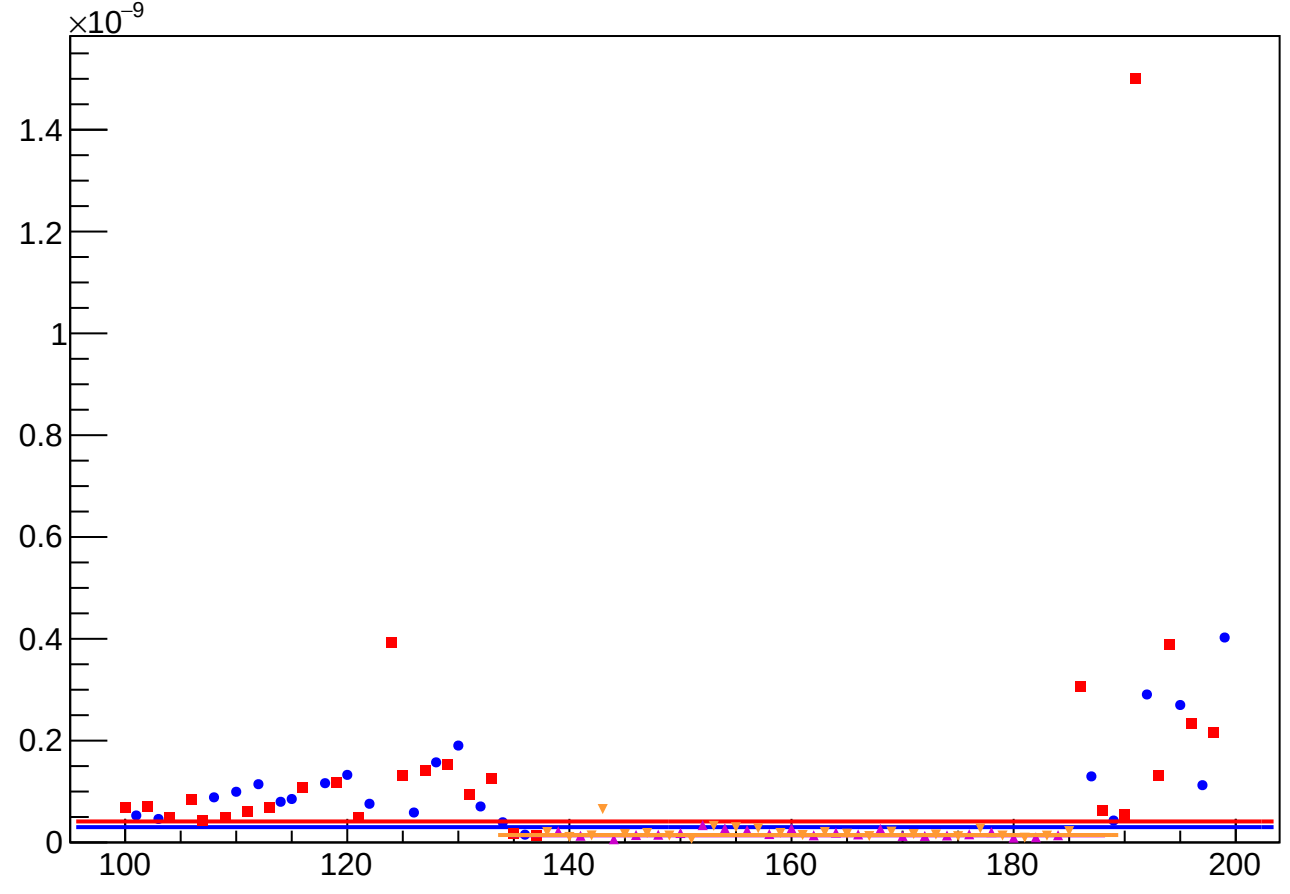
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/26

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/46

All: 0.000+/-0.000 χ^2/NDF: 104.7/96

- sign 0.000+/-0.000 χ^2/NDF: 46.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 4958661.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4497675.4/26

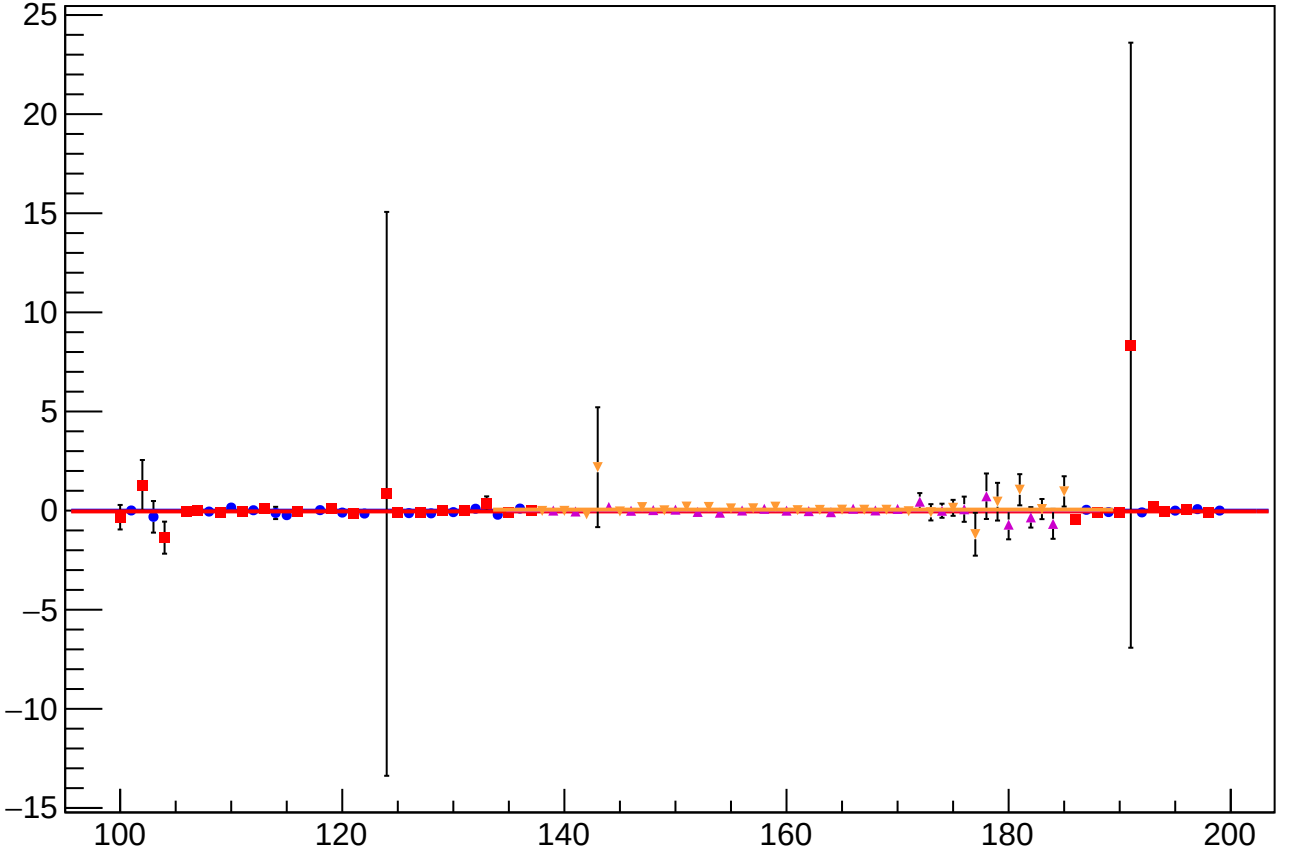
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7774473.9/46

All: 0.000+/-0.000 χ^2/NDF: 16192746.1/96

- 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: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/26

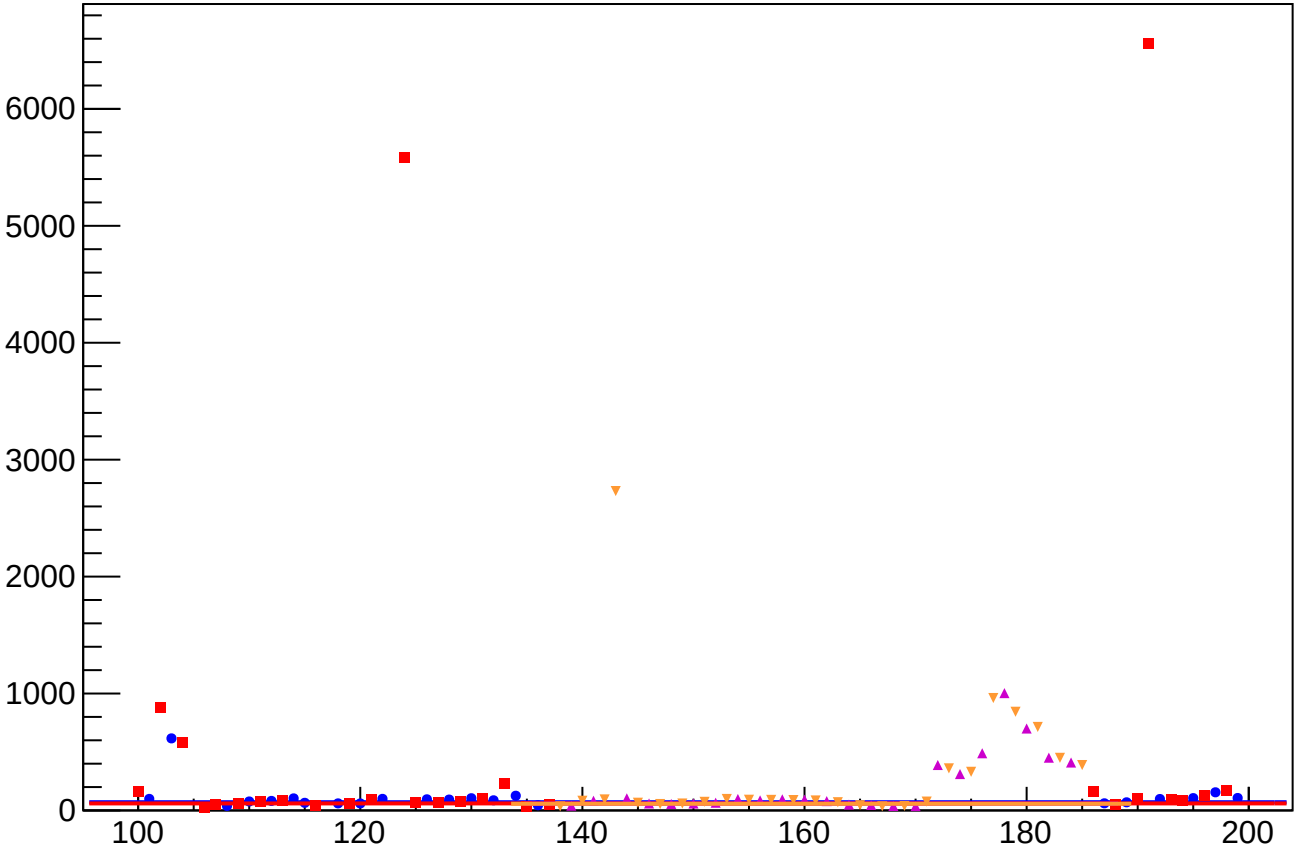
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/46

All: 0.013+/-0.010 χ^2/NDF: 89.0/96

- sign -0.005+/-0.013 χ^2/NDF: 42.8/49

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 70.616+/-0.017 χ^2/NDF: 3534055.2/21

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 60.091+/-0.015 χ^2/NDF: 6247812.0/26

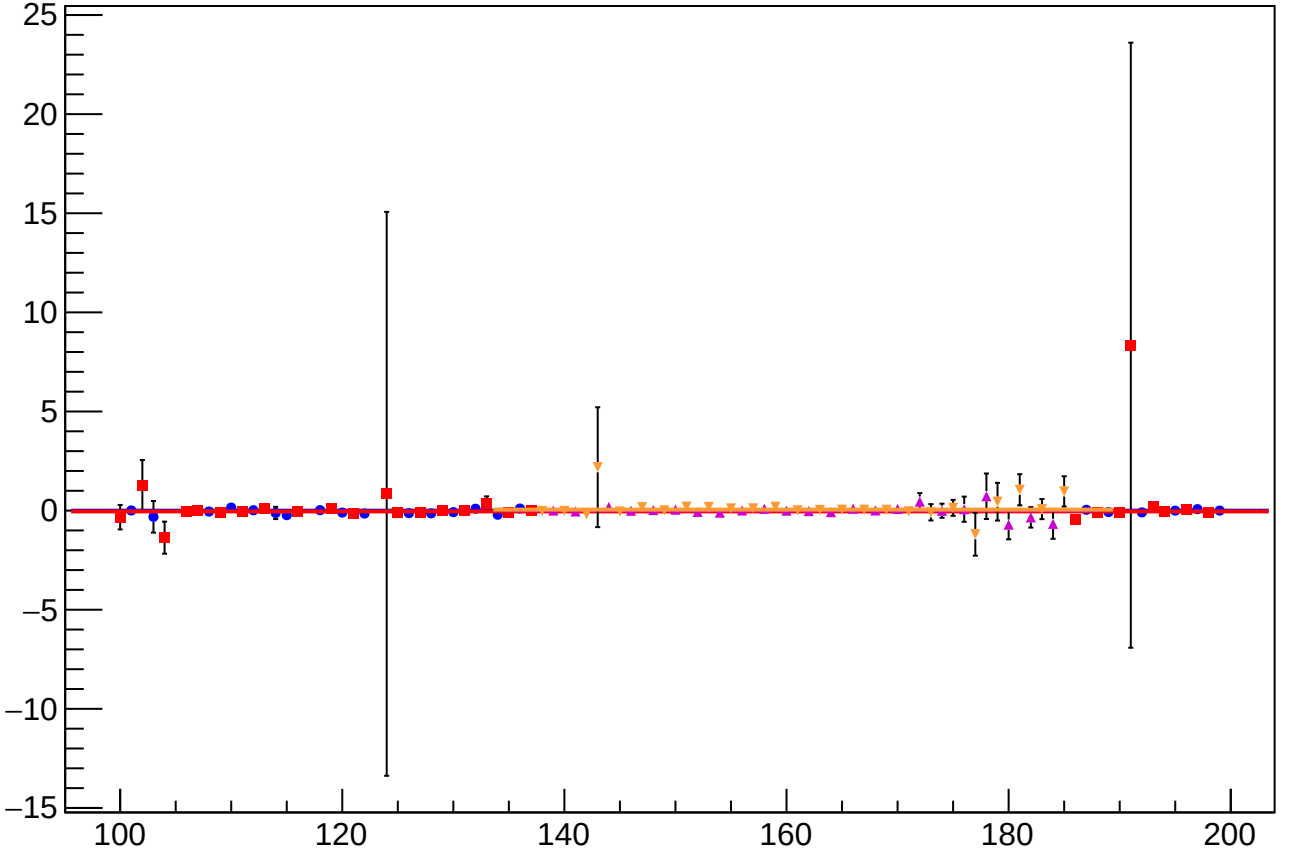
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.776+/-0.010 χ^2/NDF: 16272242.1/46

All: 60.425+/-0.007 χ^2/NDF: 32810451.8/96

- 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: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/26

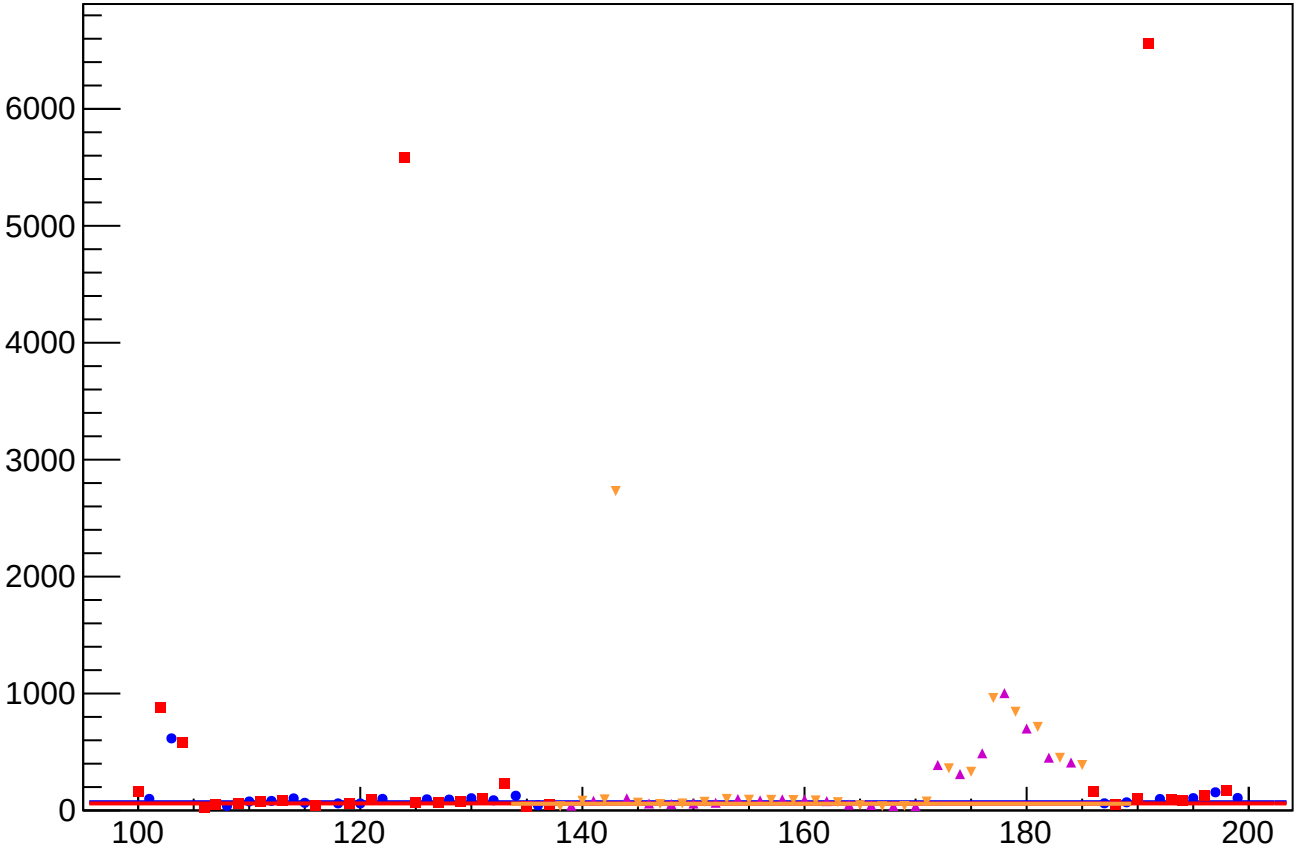
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/46

All: 0.013+/-0.010 χ^2/NDF: 89.0/96

- sign -0.005+/-0.013 χ^2/NDF: 42.8/49

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.616+/-0.017 χ^2/NDF: 3534055.2/21

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

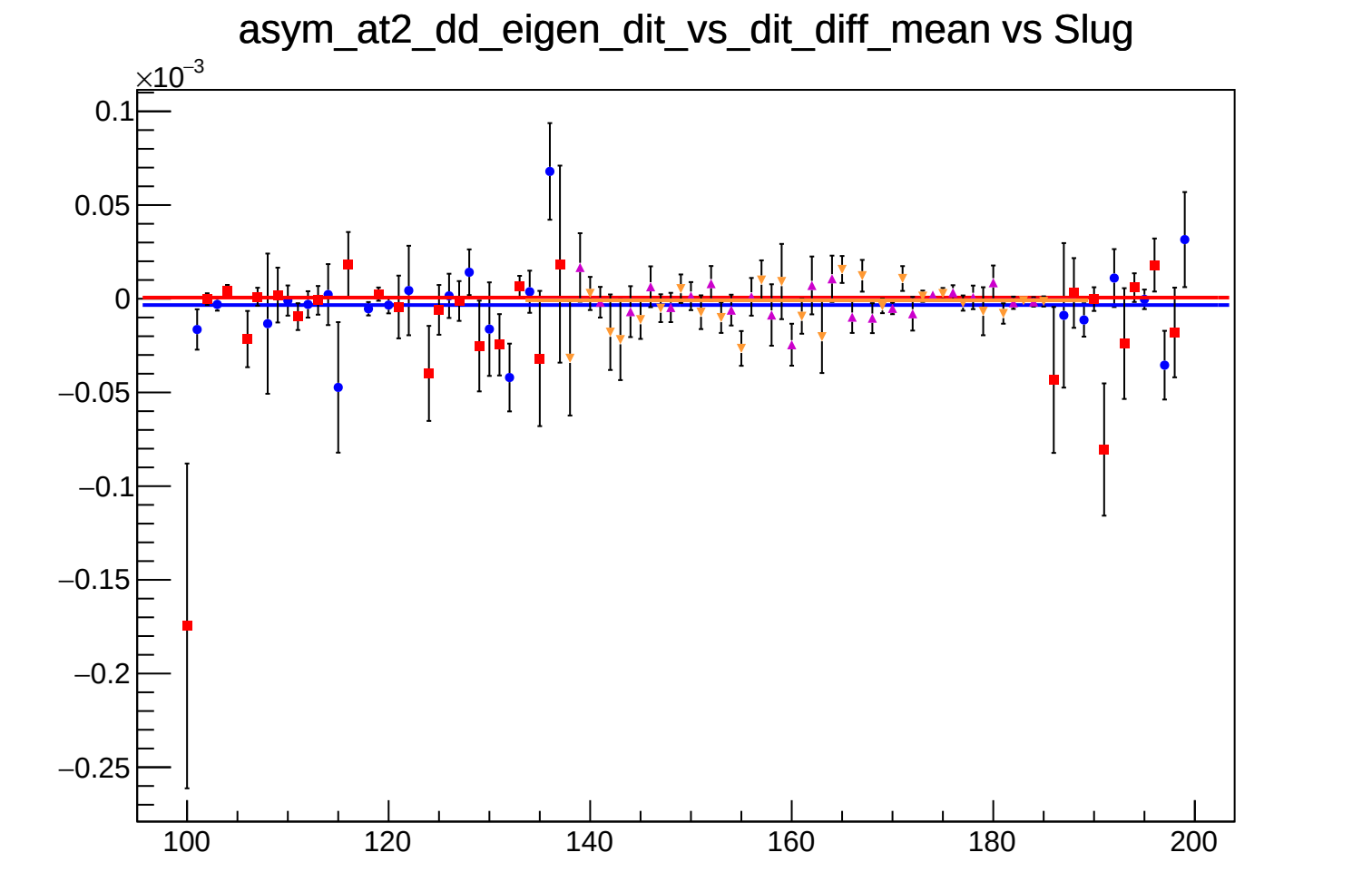
Right Out: 60.091+/-0.015 χ^2/NDF: 6247812.0/26

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.776+/-0.010 χ^2/NDF: 16272242.1/46

All: 60.425+/-0.007 χ^2/NDF: 32810451.8/96

- sign 59.183+/-0.009 χ^2/NDF: 16501678.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/26

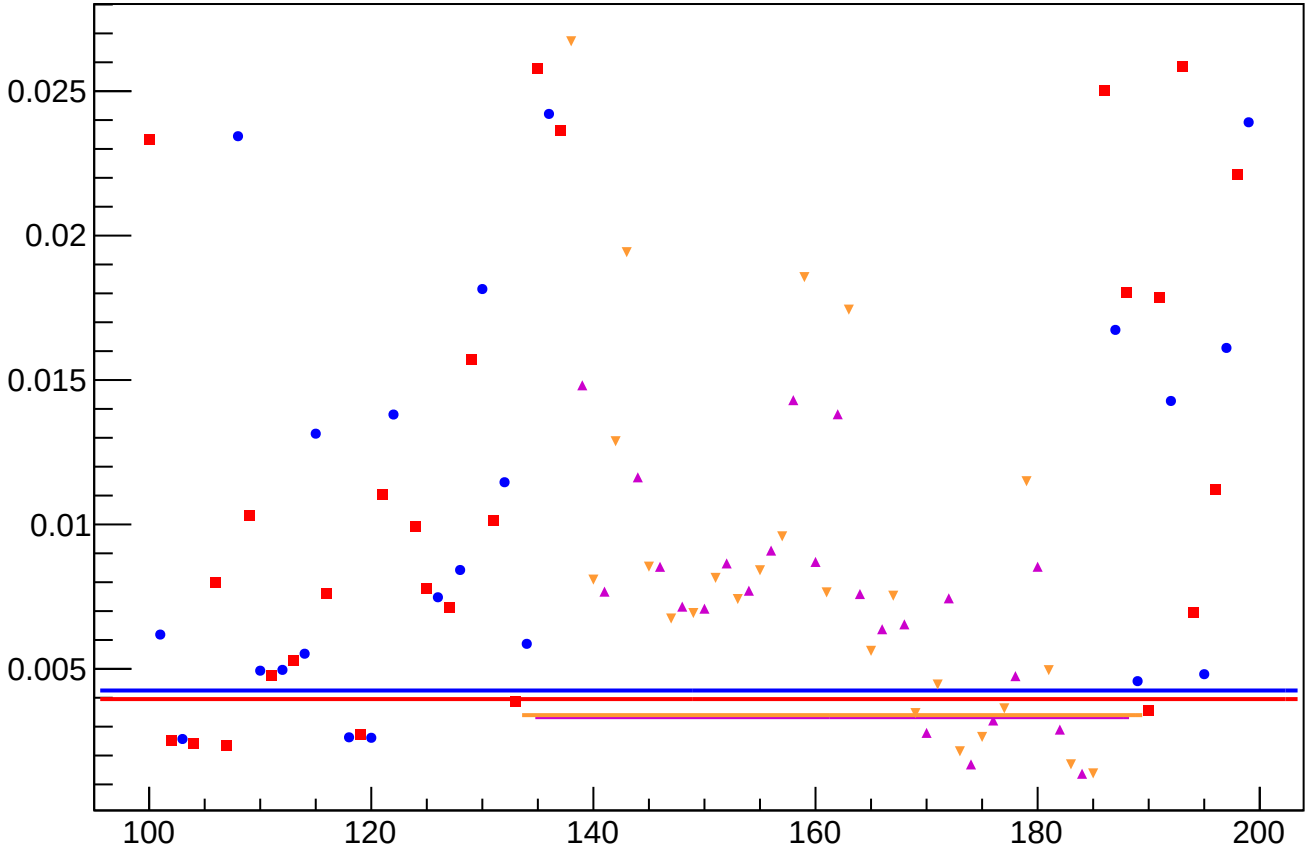
Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/46

All: -0.000+/-0.000 χ^2/NDF: 109.8/96

- sign -0.000+/-0.000 χ^2/NDF: 48.4/49

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 7970188.2/21

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

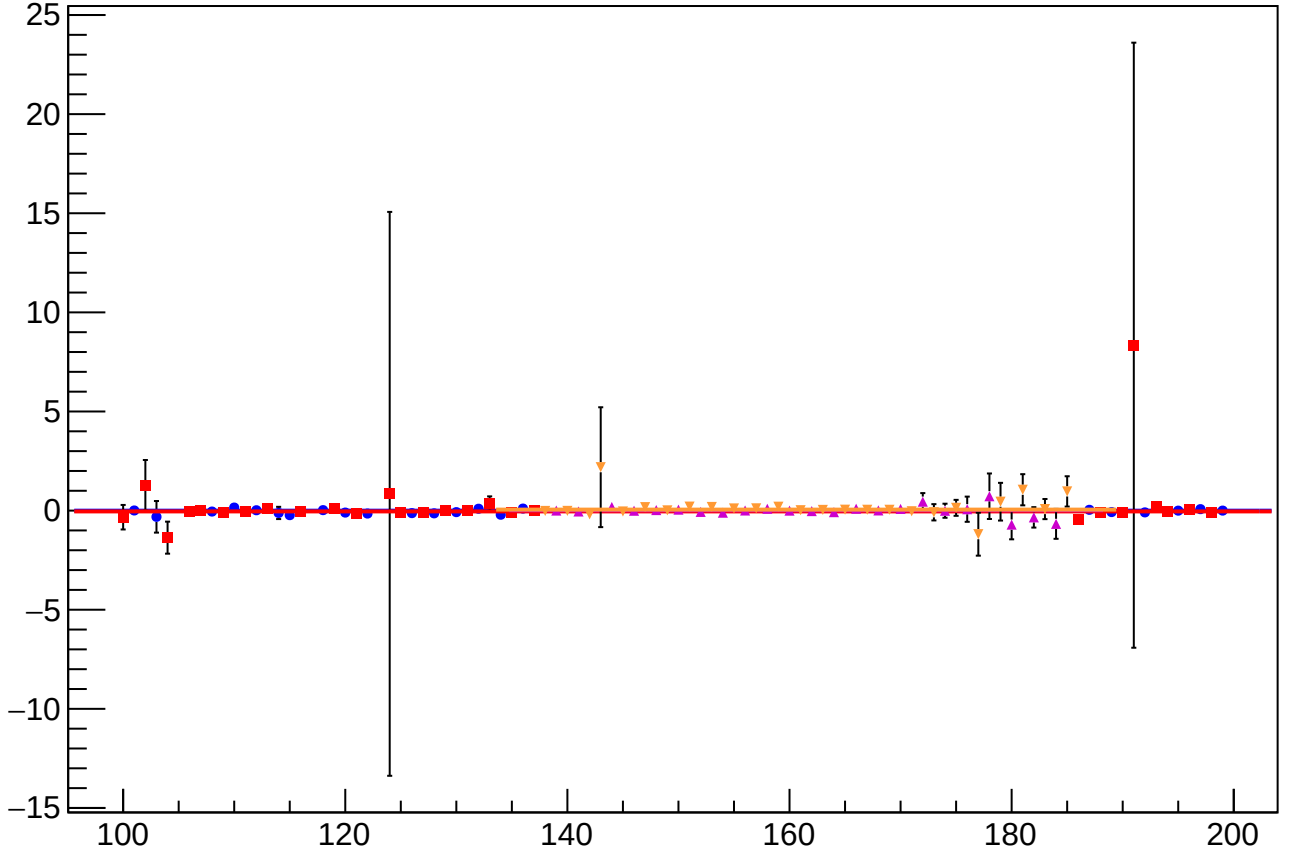
Right Out: 0.004+/-0.000 χ^2/NDF: 9818692.5/26

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 22598883.7/46

All: 0.004+/-0.000 χ^2/NDF: 45239463.4/96

- sign 0.004+/-0.000 χ^2/NDF: 22629649.5/49



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/26

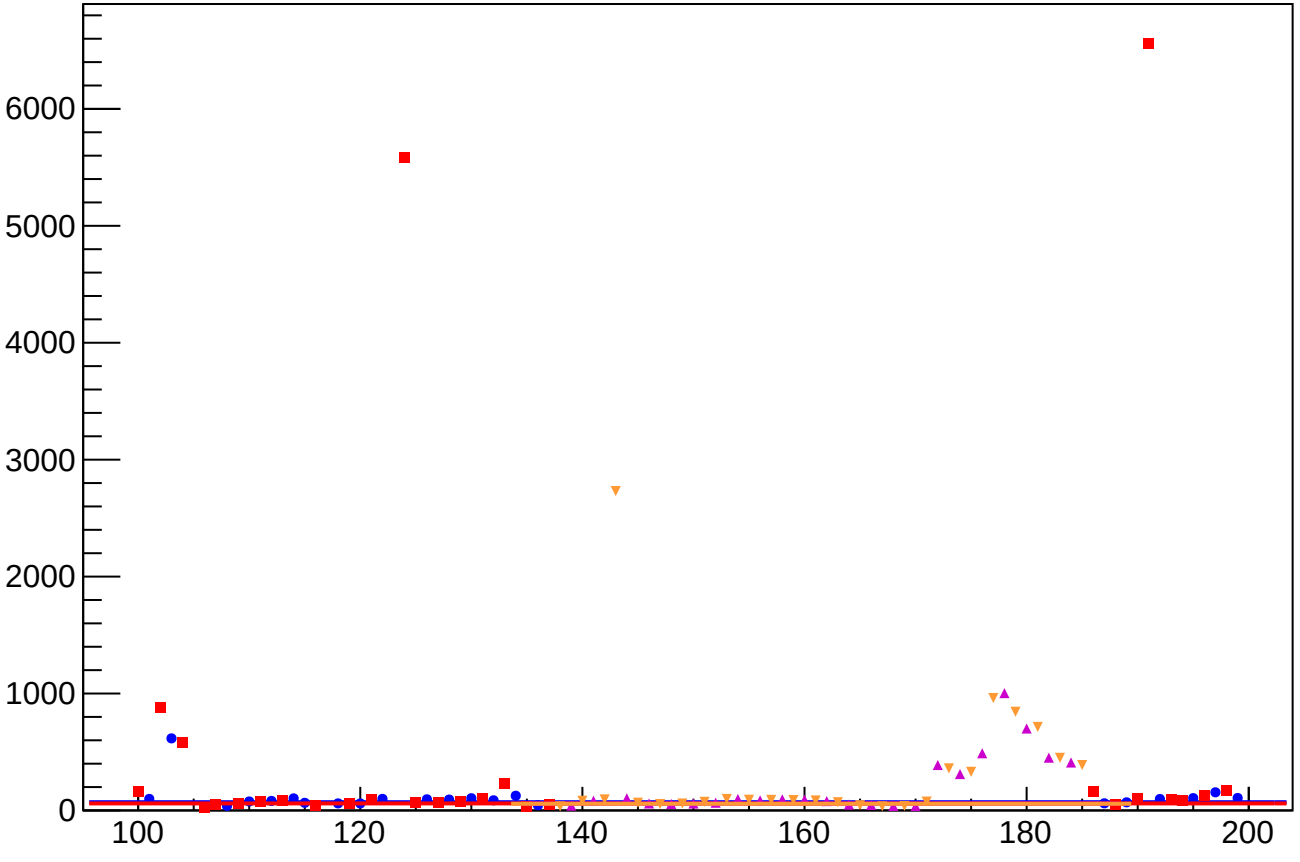
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/46

All: 0.013+/-0.010 χ^2/NDF: 89.0/96

- sign -0.005+/-0.013 χ^2/NDF: 42.8/49

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.624+/-0.017 χ^2/NDF: 3532773.3/21

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

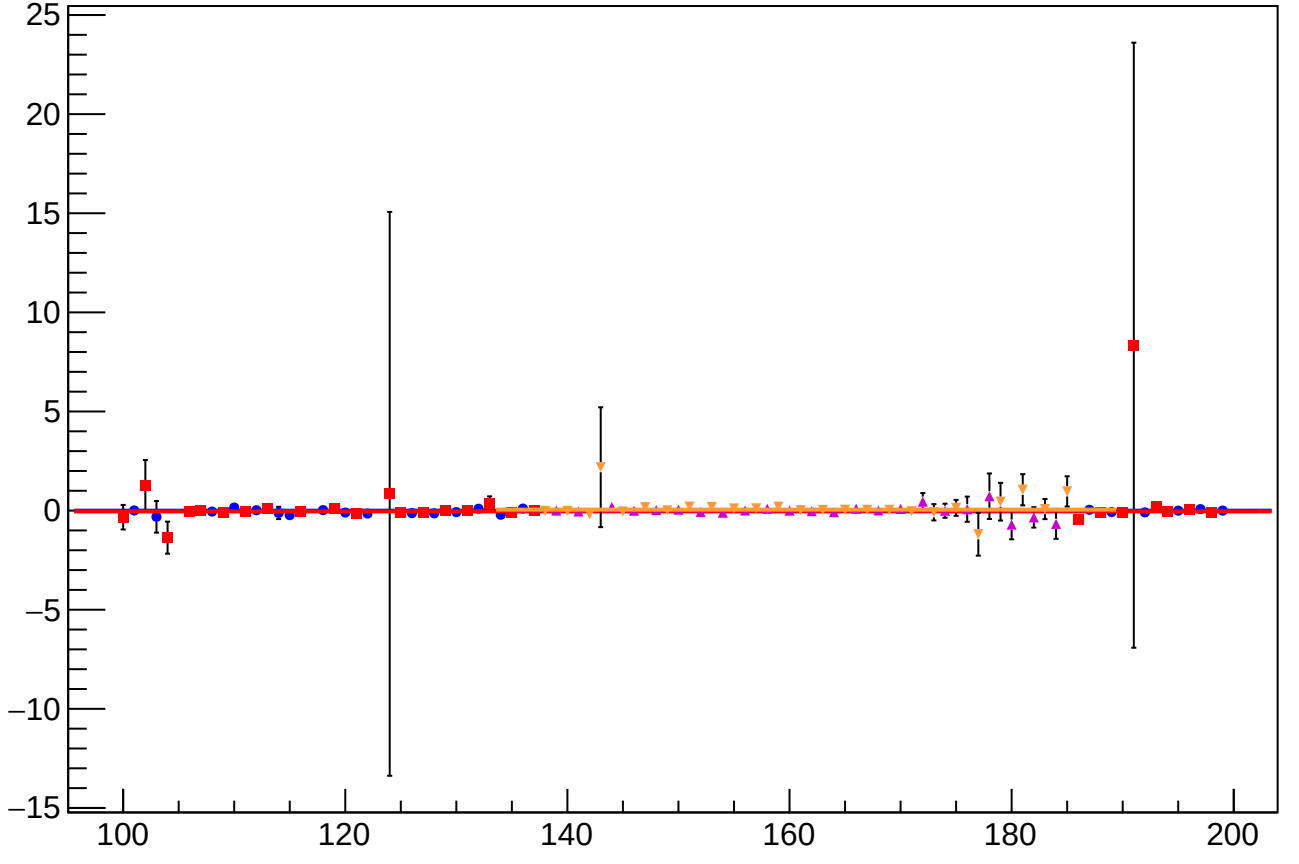
Right Out: 60.086+/-0.015 χ^2/NDF: 6248663.0/26

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.777+/-0.010 χ^2/NDF: 16271215.9/46

All: 60.425+/-0.007 χ^2/NDF: 32809761.7/96

- sign 59.182+/-0.009 χ^2/NDF: 16501963.4/49



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/26

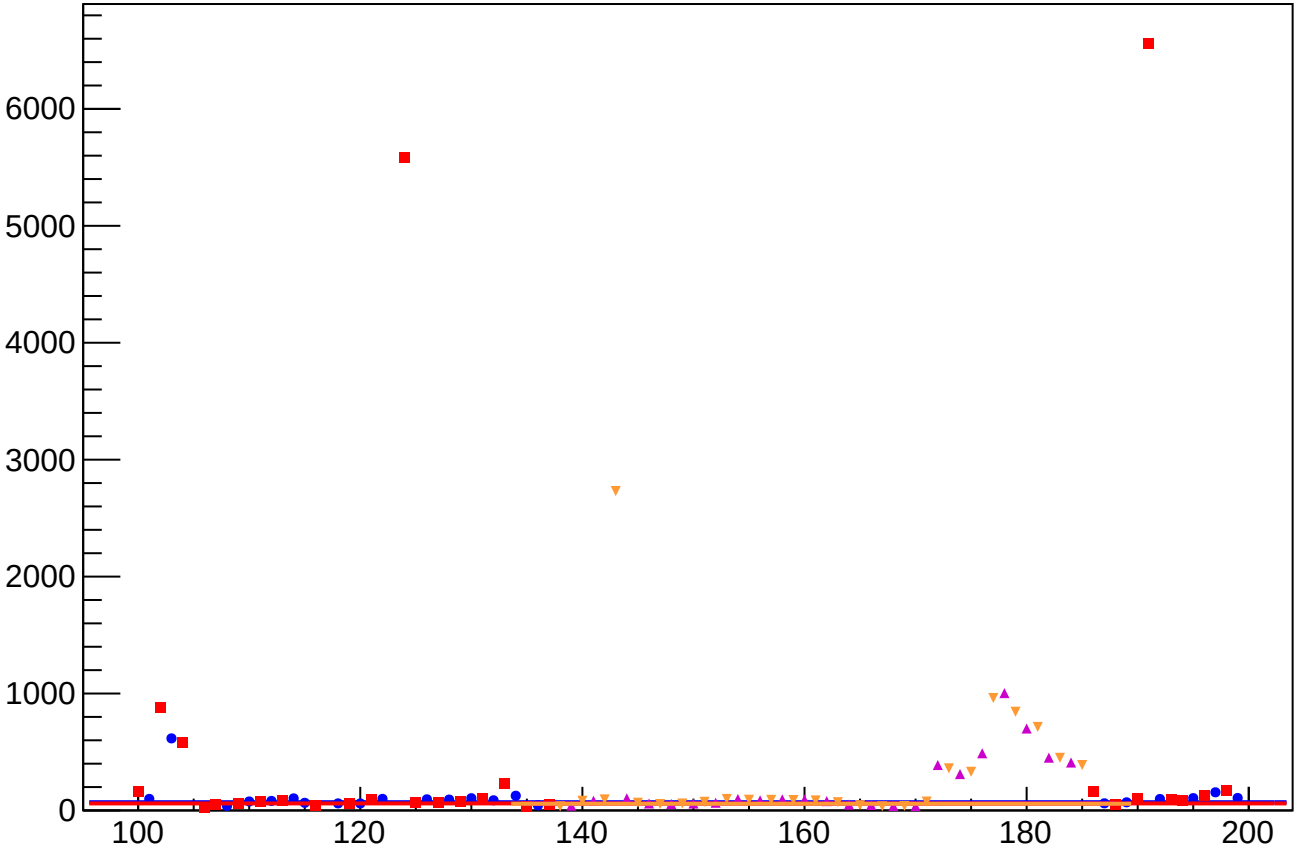
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/46

All: 0.013+/-0.010 χ^2/NDF: 89.0/96

- sign -0.005+/-0.013 χ^2/NDF: 42.8/49

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.624+/-0.017 χ^2/NDF: 3532773.3/21

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 60.086+/-0.015 χ^2/NDF: 6248663.0/26

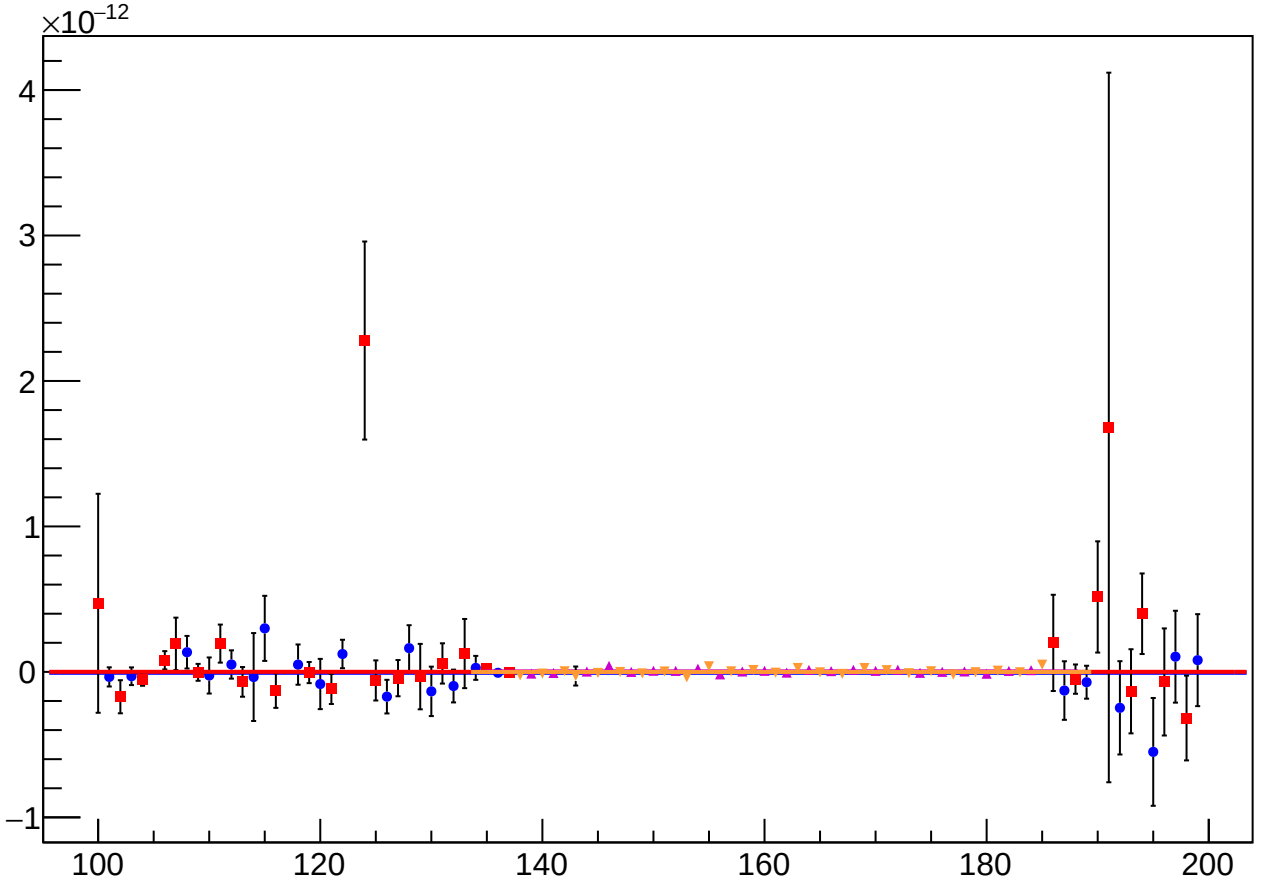
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.777+/-0.010 χ^2/NDF: 16271215.9/46

All: 60.425+/-0.007 χ^2/NDF: 32809761.7/96

- 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: 14.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

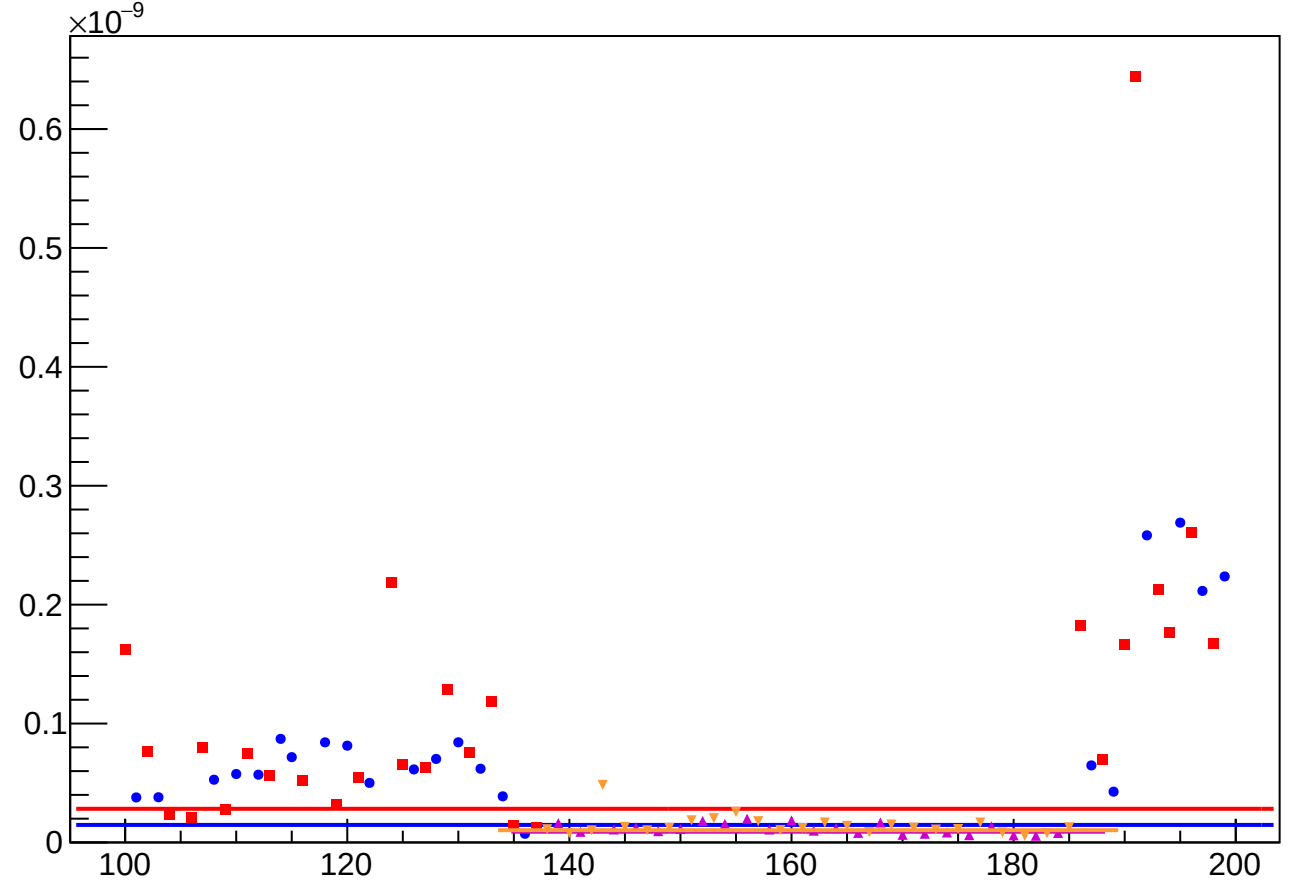
Right Out: 0.000+/-0.000 χ^2/NDF: 31.5/26

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.5/46

All: 0.000+/-0.000 χ^2/NDF: 81.4/96

- sign 0.000+/-0.000 χ^2/NDF: 46.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 9012759.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7474044.0/26

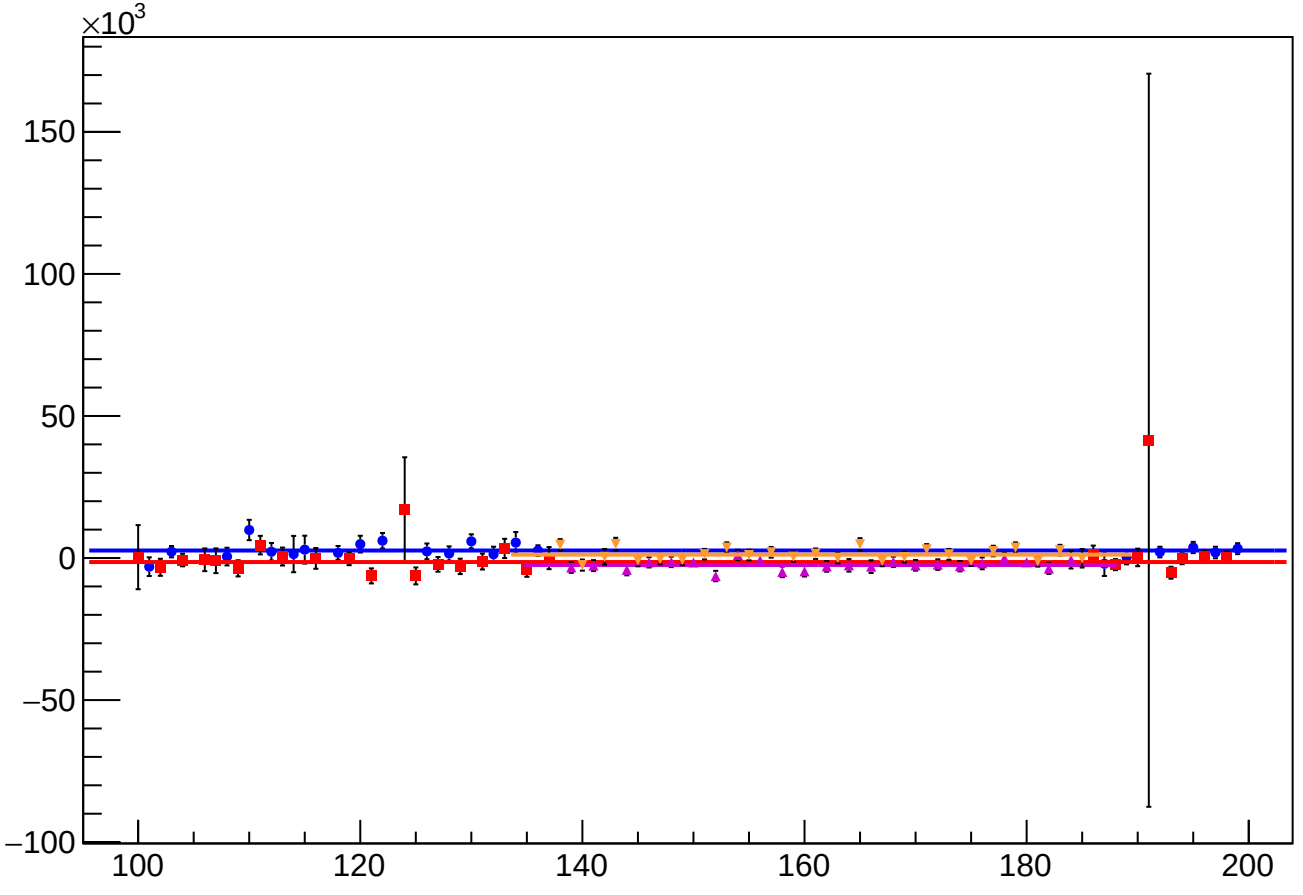
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13003663.9/46

All: 0.000+/-0.000 χ^2/NDF: 26914153.7/96

- sign 0.000+/-0.000 χ^2/NDF: 13799119.4/49

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2648.053+/-547.072 χ^2/NDF: 15.4/21

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1414.134+/-537.174 χ^2/NDF: 22.6/26

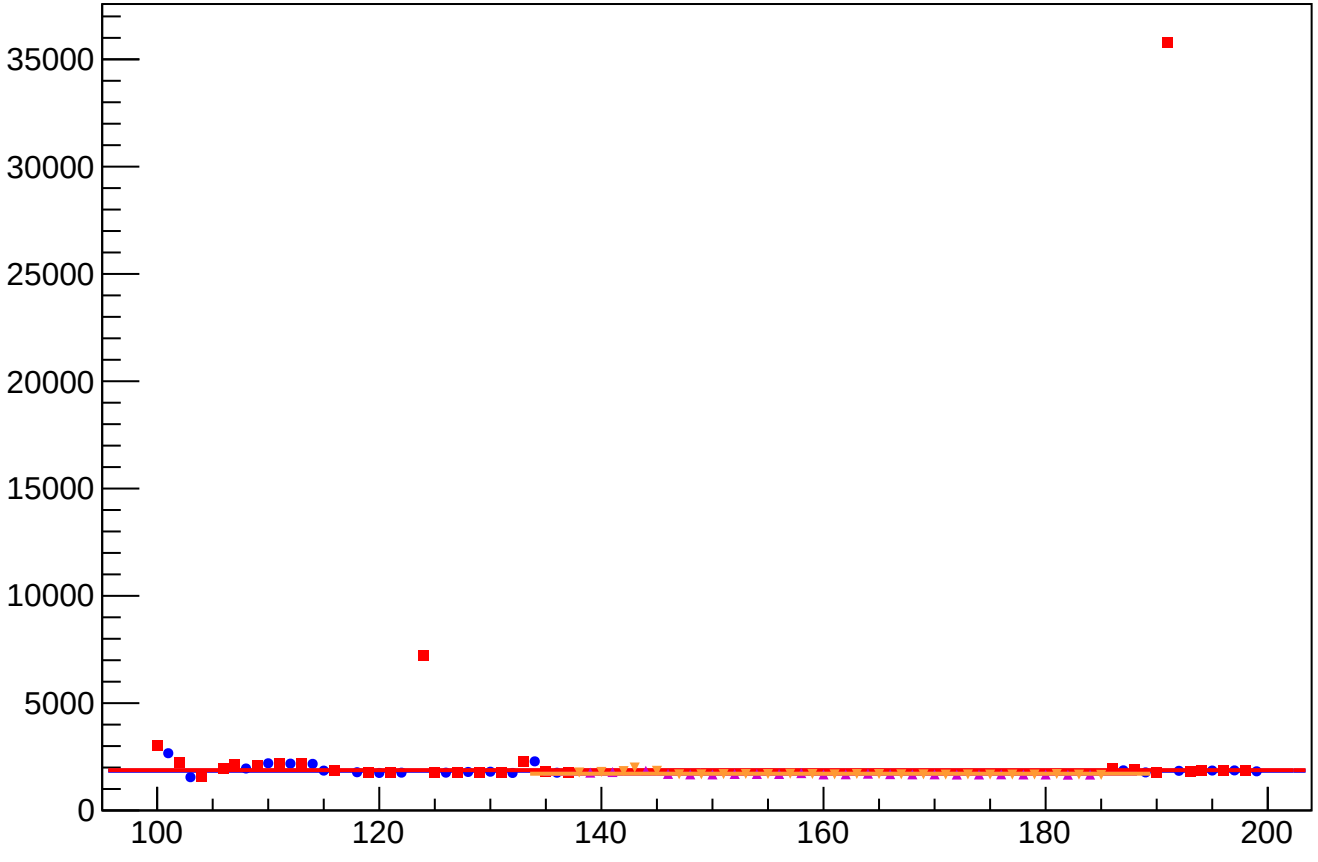
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1688.099+/-317.100 χ^2/NDF: 46.3/46

All: -178.063+/-225.162 χ^2/NDF: 158.6/96

- sign -2075.826+/-319.773 χ^2/NDF: 42.5/49

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.5/21

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1878.839+/-0.379 χ^2/NDF: 517062.6/26

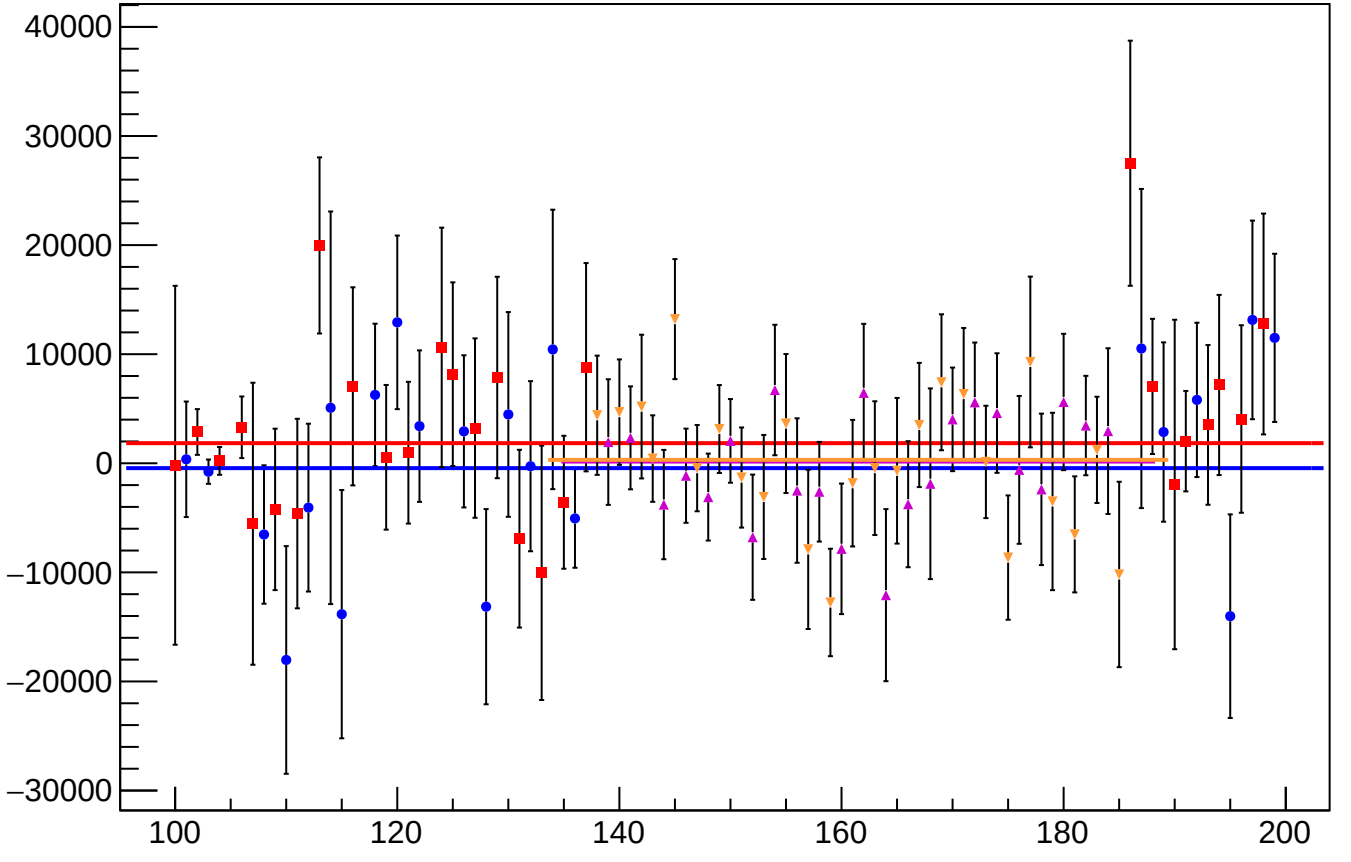
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1757.753+/-0.224 χ^2/NDF: 409155.9/46

All: 1761.866+/-0.159 χ^2/NDF: 1086543.4/96

- sign 1766.045+/-0.226 χ^2/NDF: 676709.2/49

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -445.293+/-929.145 χ^2/NDF: 22.3/21

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1845.243+/-865.757 χ^2/NDF: 22.0/26

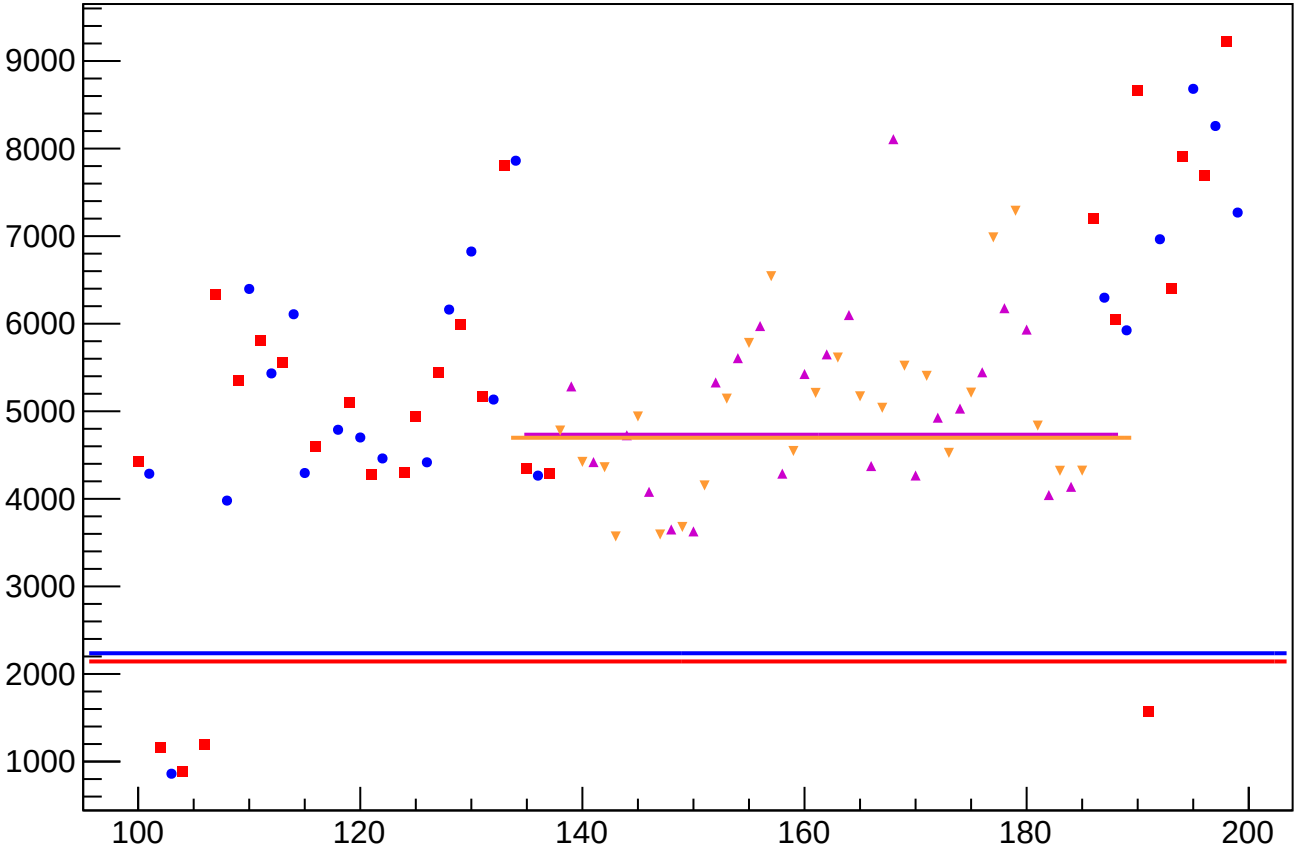
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -126.403+/-707.643 χ^2/NDF: 49.6/46

All: 566.869+/-492.878 χ^2/NDF: 89.6/96

- sign 1220.072+/-686.889 χ^2/NDF: 38.1/49

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2236.708+/-0.657 χ^2/NDF: 11276599.9/21

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2142.927+/-0.612 χ^2/NDF: 11843837.8/26

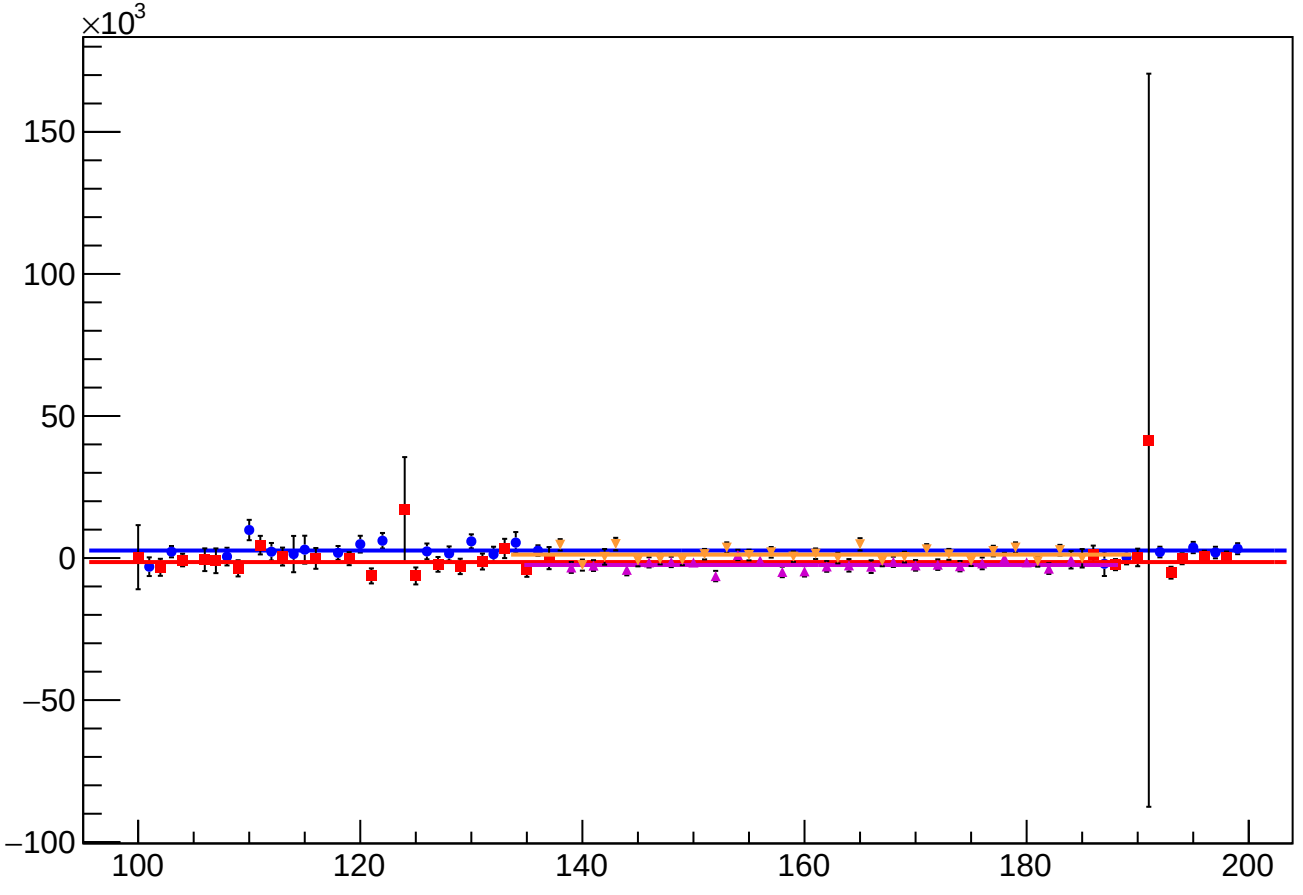
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3270.181+/-0.500 χ^2/NDF: 18407915.1/46

All: 3183.789+/-0.349 χ^2/NDF: 38181968.3/9

- sign 3102.390+/-0.486 χ^2/NDF: 19716158.0/49

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2648.175+/-547.072 χ^2/NDF: 15.4/21

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1413.357+/-537.174 χ^2/NDF: 22.6/26

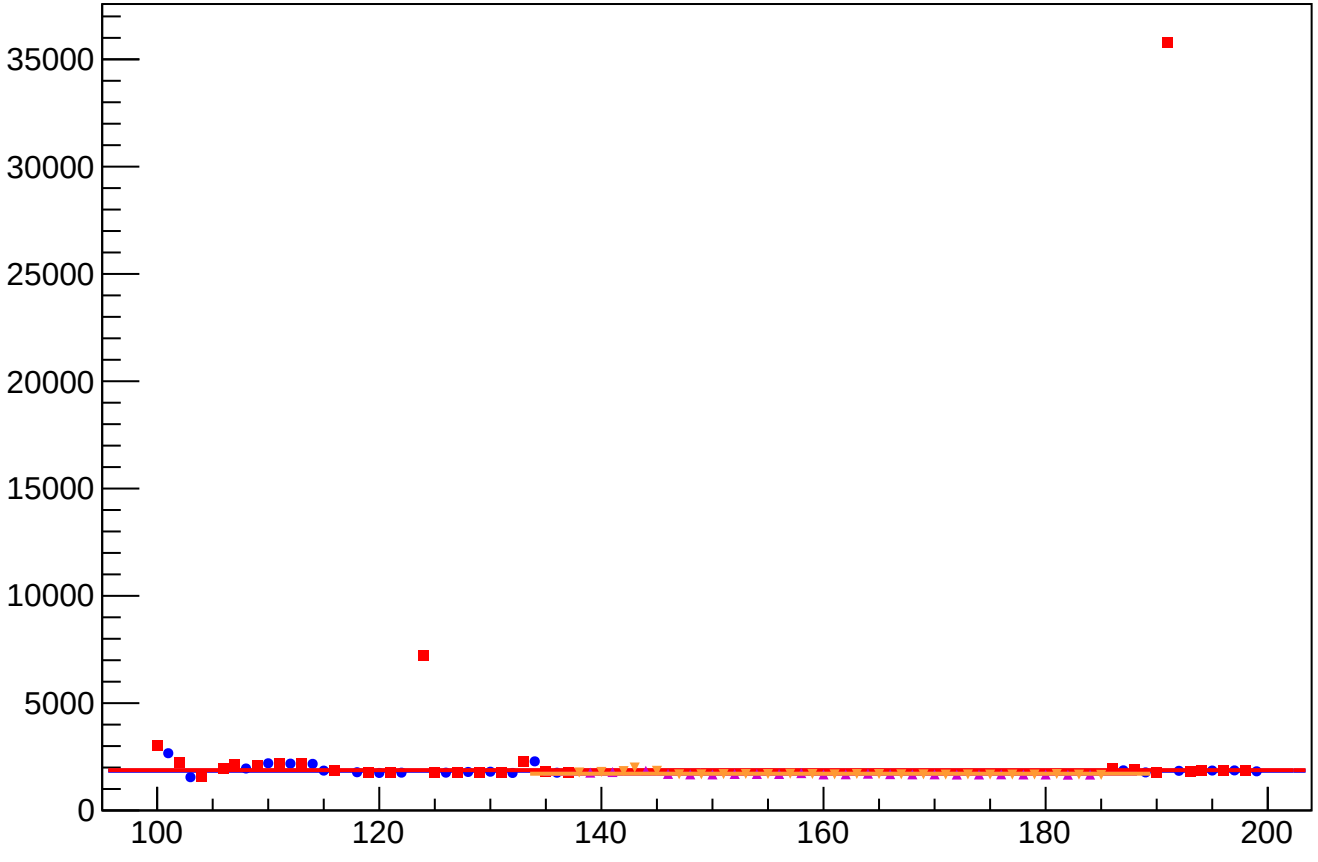
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1688.075+/-317.100 χ^2/NDF: 46.3/46

All: -177.916+/-225.163 χ^2/NDF: 158.6/96

- sign -2075.507+/-319.773 χ^2/NDF: 42.5/49

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.4/21

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1879.100+/-0.379 χ^2/NDF: 517350.8/26

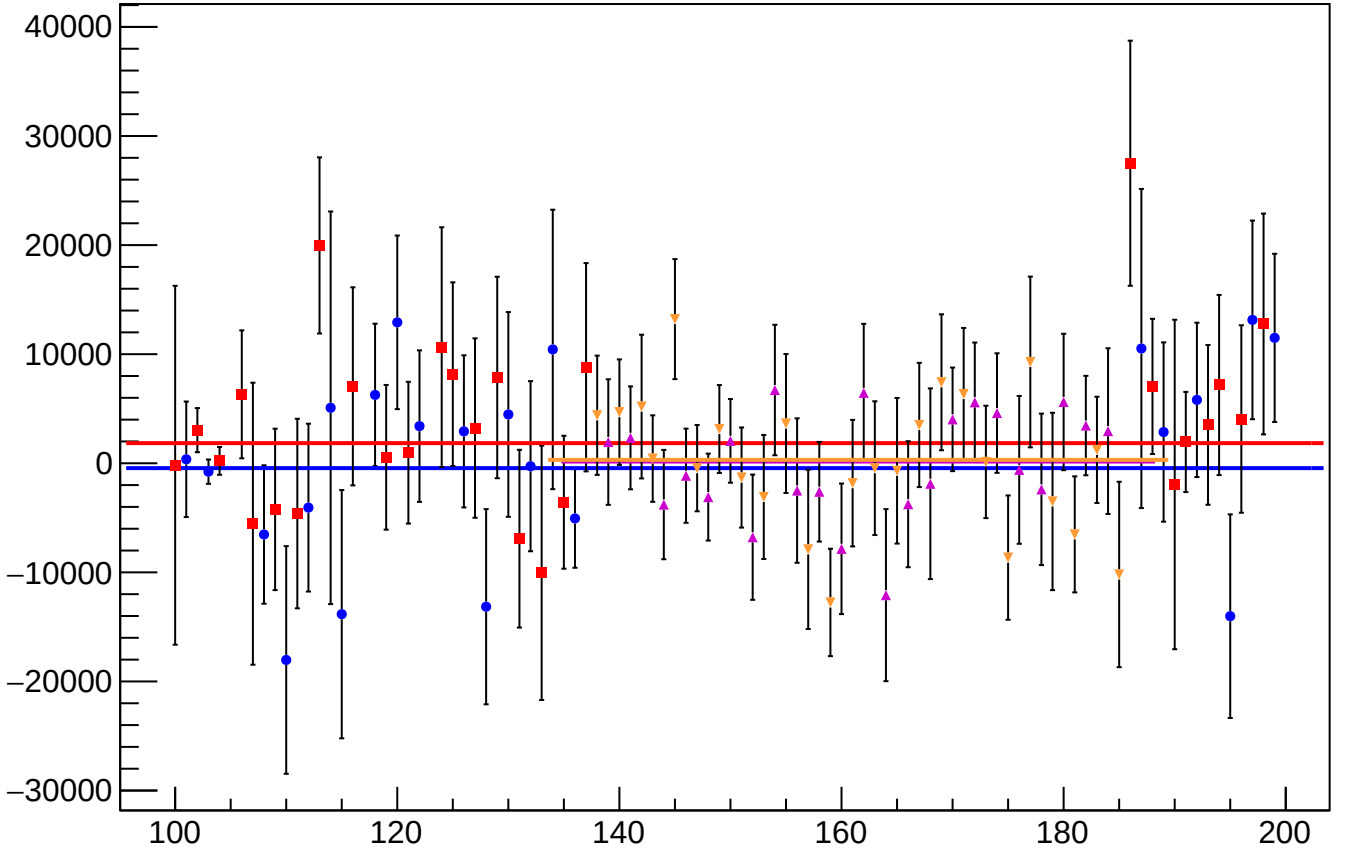
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1757.753+/-0.224 χ^2/NDF: 409155.8/46

All: 1761.907+/-0.159 χ^2/NDF: 1087232.6/96

- sign 1766.127+/-0.226 χ^2/NDF: 677384.9/49

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -444.875+/-929.097 χ^2/NDF: 22.3/21

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1846.429+/-892.742 χ^2/NDF: 22.4/26

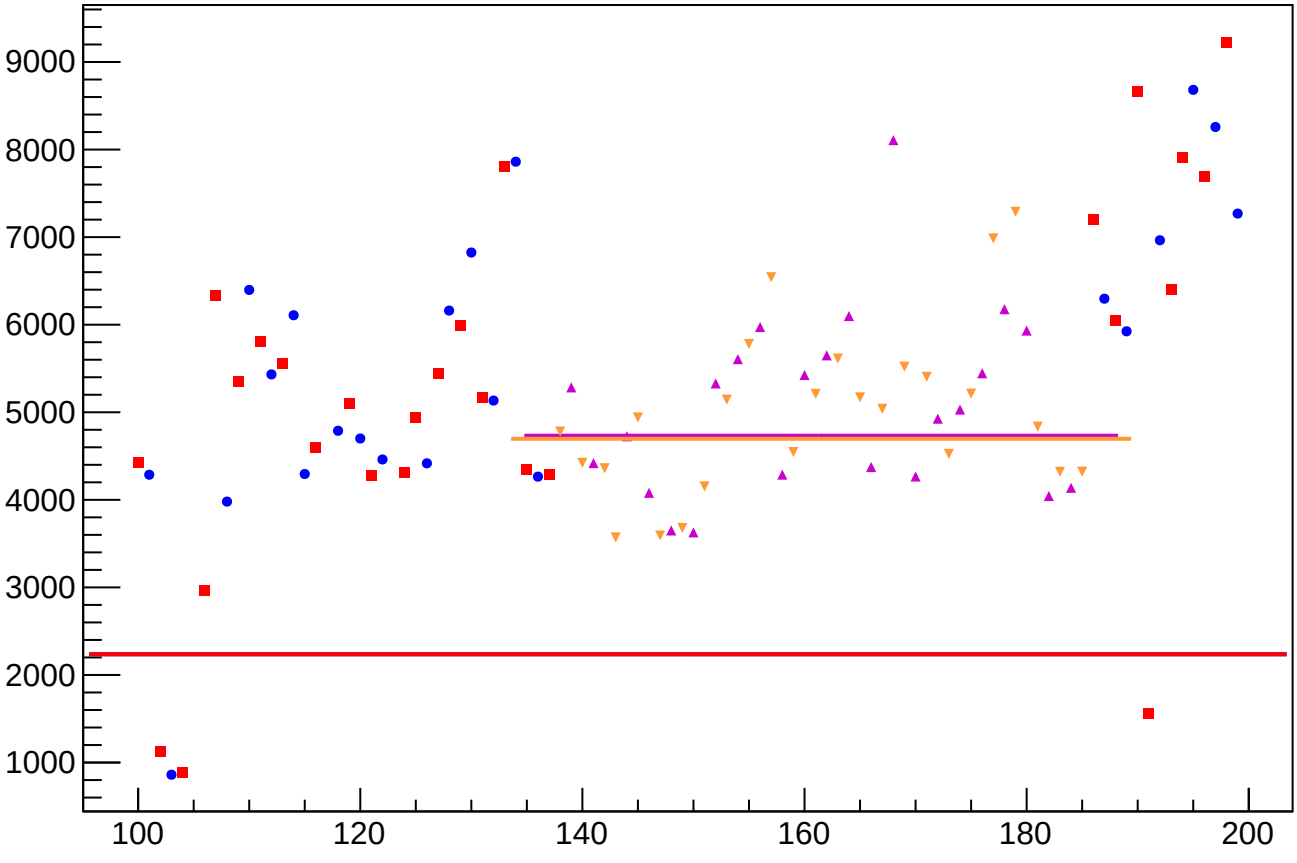
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -126.165+/-707.622 χ^2/NDF: 49.6/46

All: 542.183+/-497.696 χ^2/NDF: 89.9/96

- sign 1196.461+/-700.134 χ^2/NDF: 38.5/49

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2236.527+/-0.657 χ^2/NDF: 11277301.3/21

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2236.341+/-0.631 χ^2/NDF: 11704813.4/26

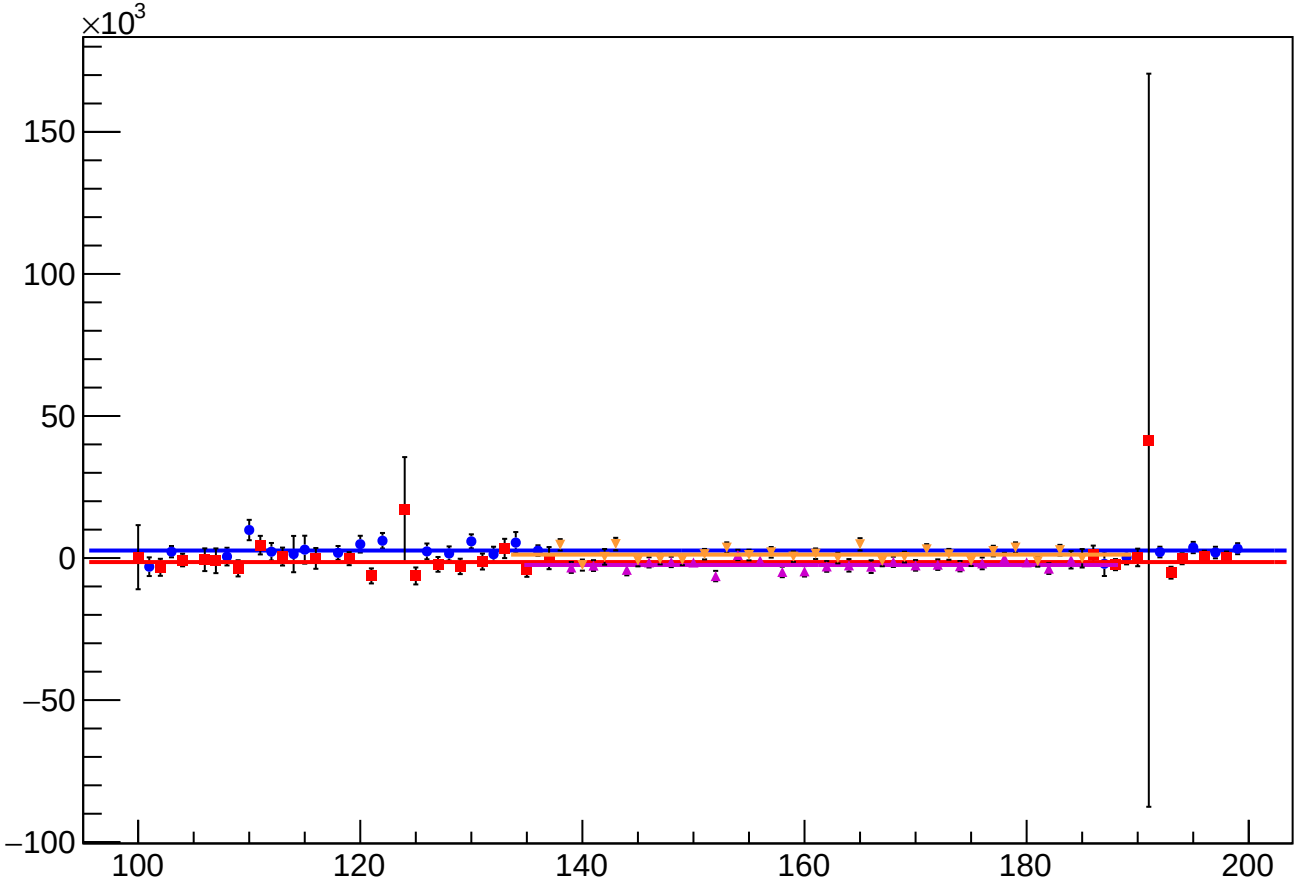
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3270.013+/-0.500 χ^2/NDF: 18409738.5/46

All: 3233.222+/-0.352 χ^2/NDF: 37386708.5/9

- sign 3197.204+/-0.495 χ^2/NDF: 18966270.5/49

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2648.175+/-547.072 χ^2/NDF: 15.4/21

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1413.357+/-537.174 χ^2/NDF: 22.6/26

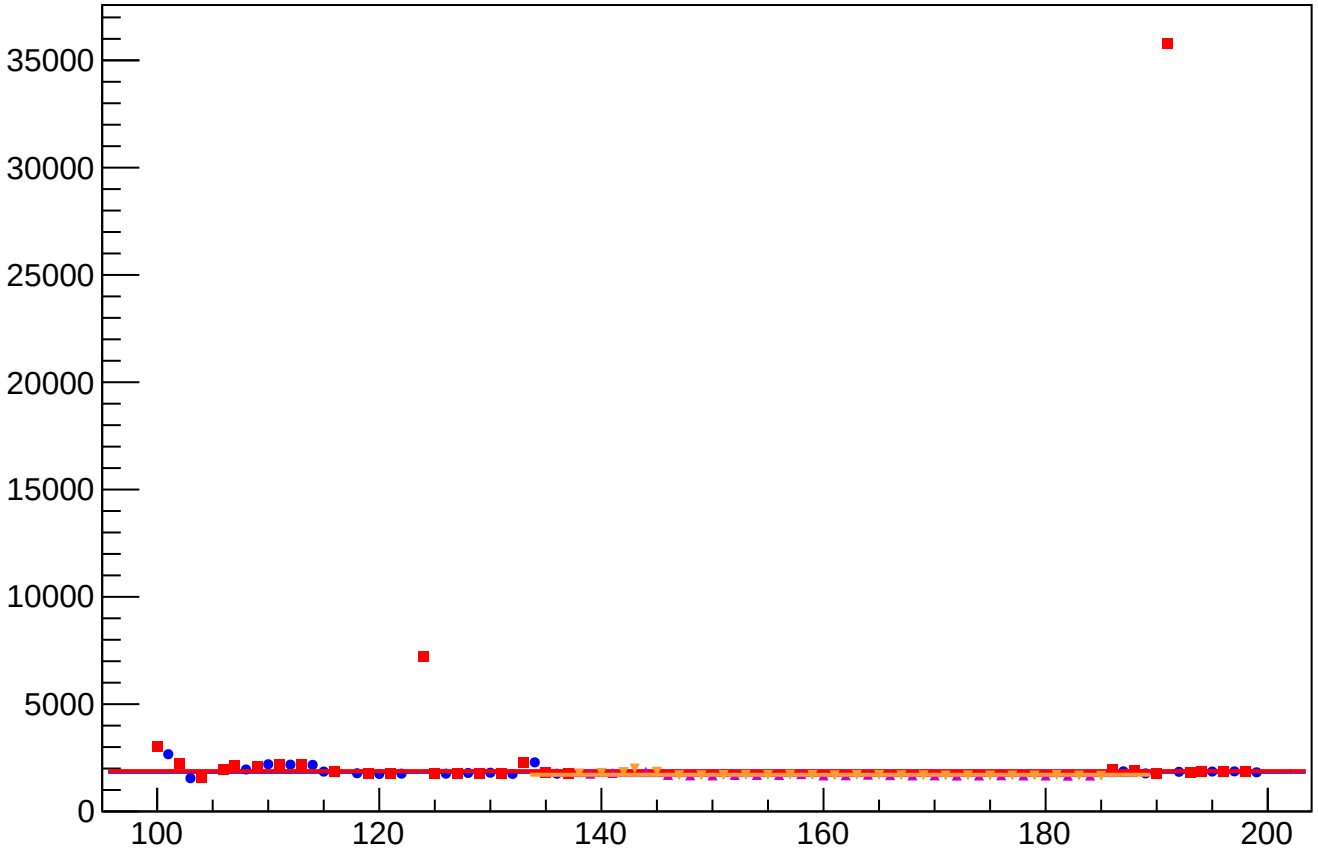
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1688.075+/-317.100 χ^2/NDF: 46.3/46

All: -177.916+/-225.163 χ^2/NDF: 158.6/96

- sign -2075.507+/-319.773 χ^2/NDF: 42.5/49

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.4/21

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1879.100+/-0.379 χ^2/NDF: 517350.8/26

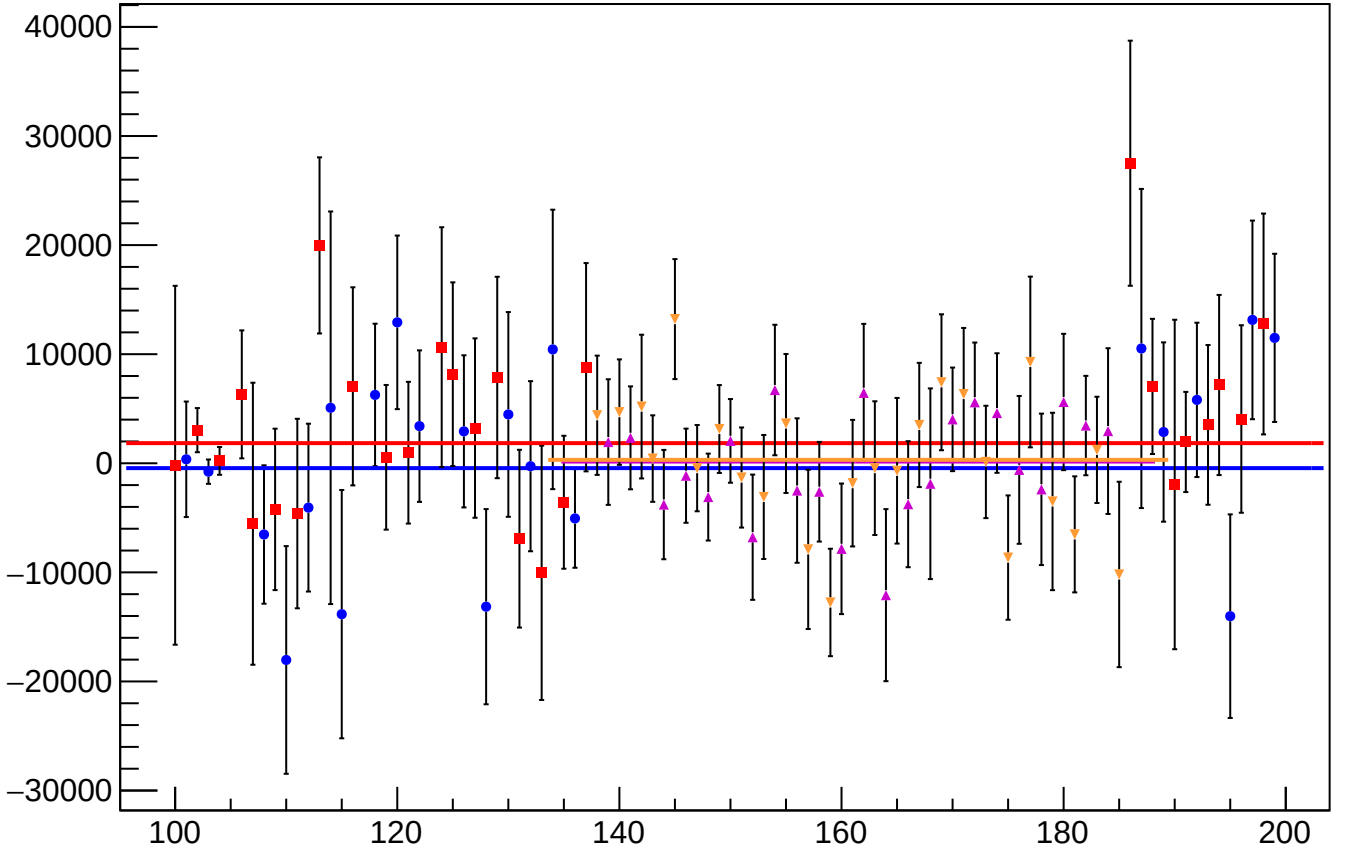
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1757.753+/-0.224 χ^2/NDF: 409155.8/46

All: 1761.907+/-0.159 χ^2/NDF: 1087232.6/96

- sign 1766.127+/-0.226 χ^2/NDF: 677384.9/49

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -444.875+/-929.097 χ^2/NDF: 22.3/21

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

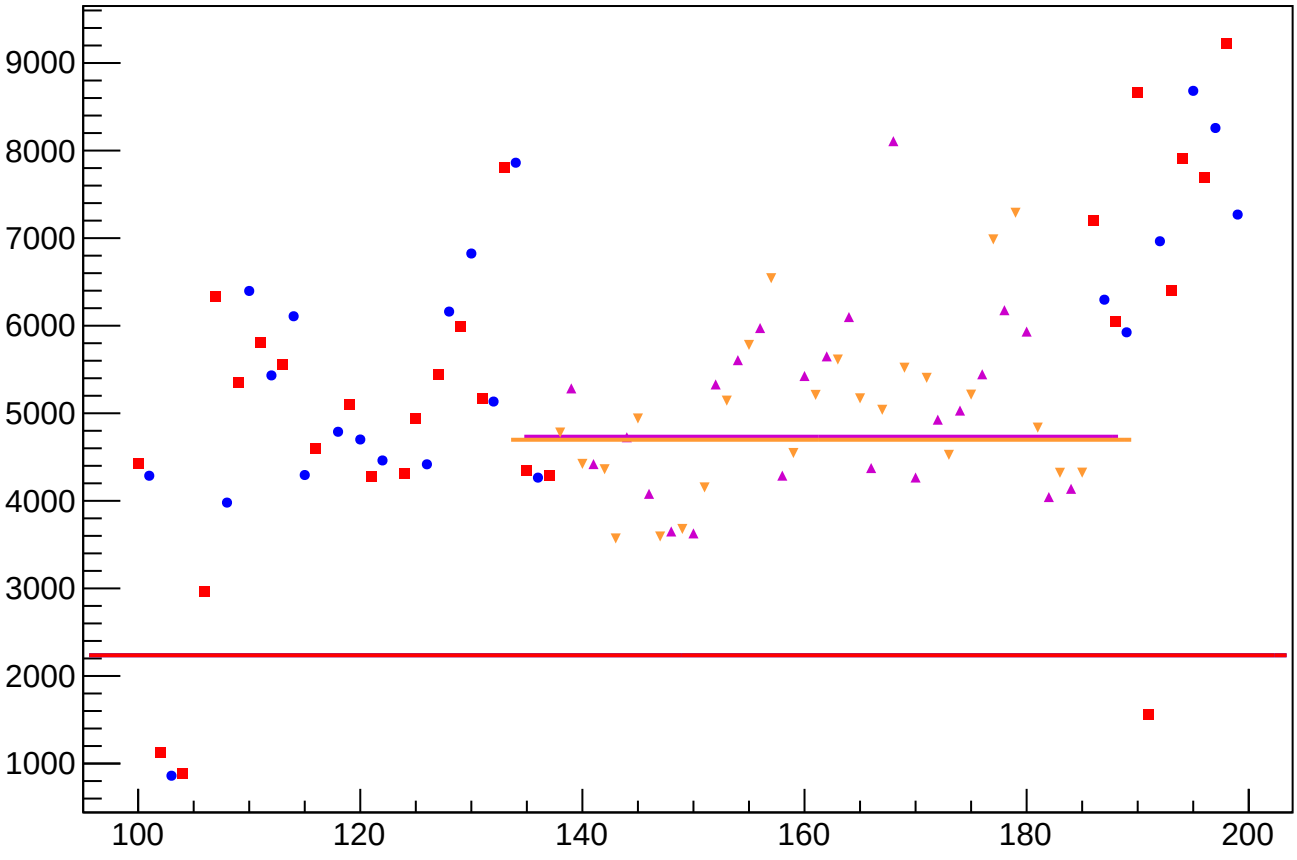
Right Out: 1846.429+/-892.742 χ^2/NDF: 22.4/26

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -126.165+/-707.622 χ^2/NDF: 49.6/46

All: 542.183+/-497.696 χ^2/NDF: 89.9/96

- sign 1196.461+/-700.134 χ^2/NDF: 38.5/49



Right In: 2236.527+/-0.657 χ^2/NDF: 11277301.3/21

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

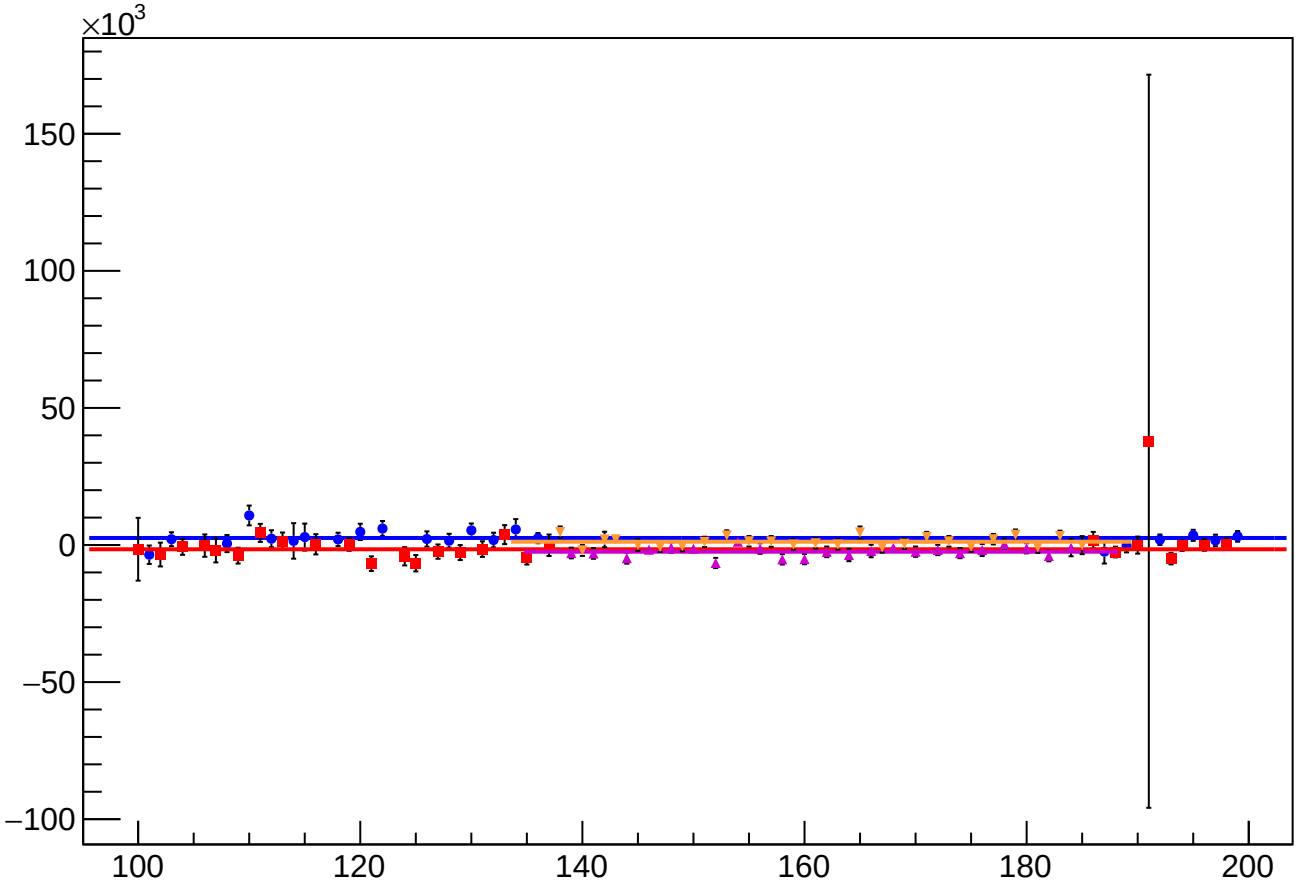
Right Out: 2236.341+/-0.631 χ^2/NDF: 11704813.4/26

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3270.013+/-0.500 χ^2/NDF: 18409738.5/46

All: 3233.222+/-0.352 χ^2/NDF: 37386708.5/9

- sign 3197.204+/-0.495 χ^2/NDF: 18966270.5/49



Right In: 2566.381+/-562.047 χ^2/NDF: 16.4/21

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1554.532+/-546.655 χ^2/NDF: 23.8/26

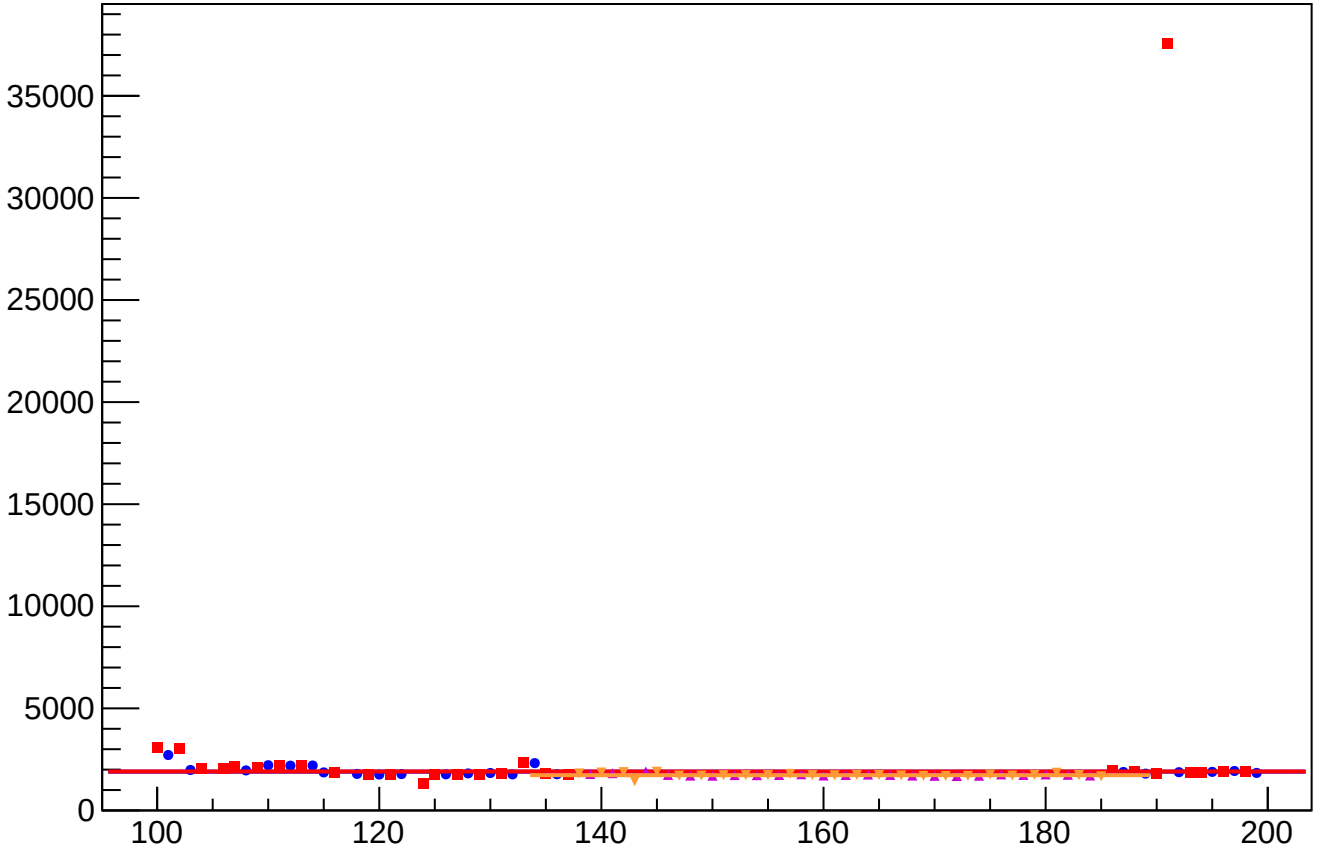
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1646.883+/-322.064 χ^2/NDF: 39.9/46

All: -210.606+/-229.369 χ^2/NDF: 153.5/96

- sign -2122.417+/-326.740 χ^2/NDF: 46.1/49

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1900.199+/-0.397 χ^2/NDF: 222906.2/21

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

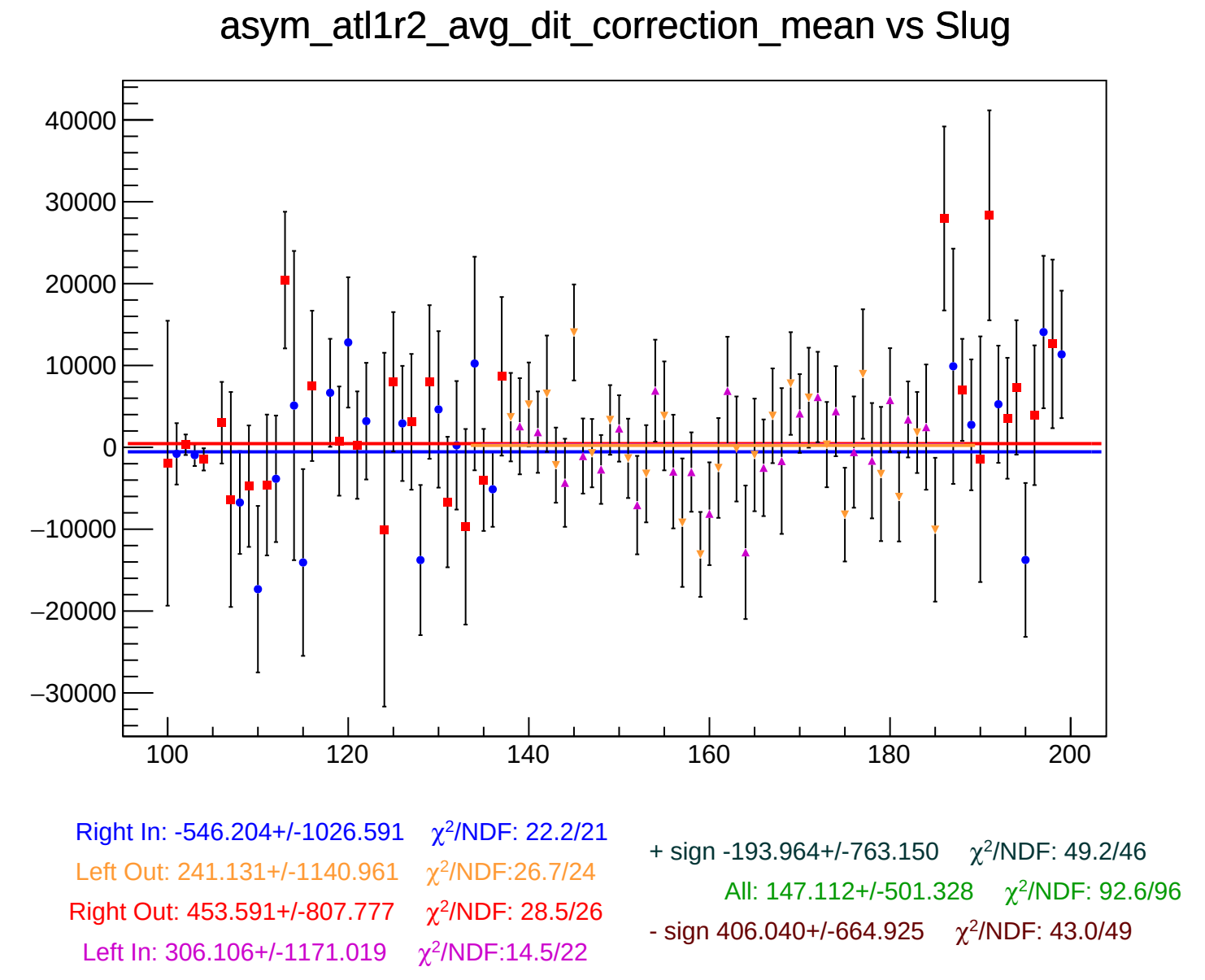
Right Out: 1908.057+/-0.386 χ^2/NDF: 498095.2/26

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

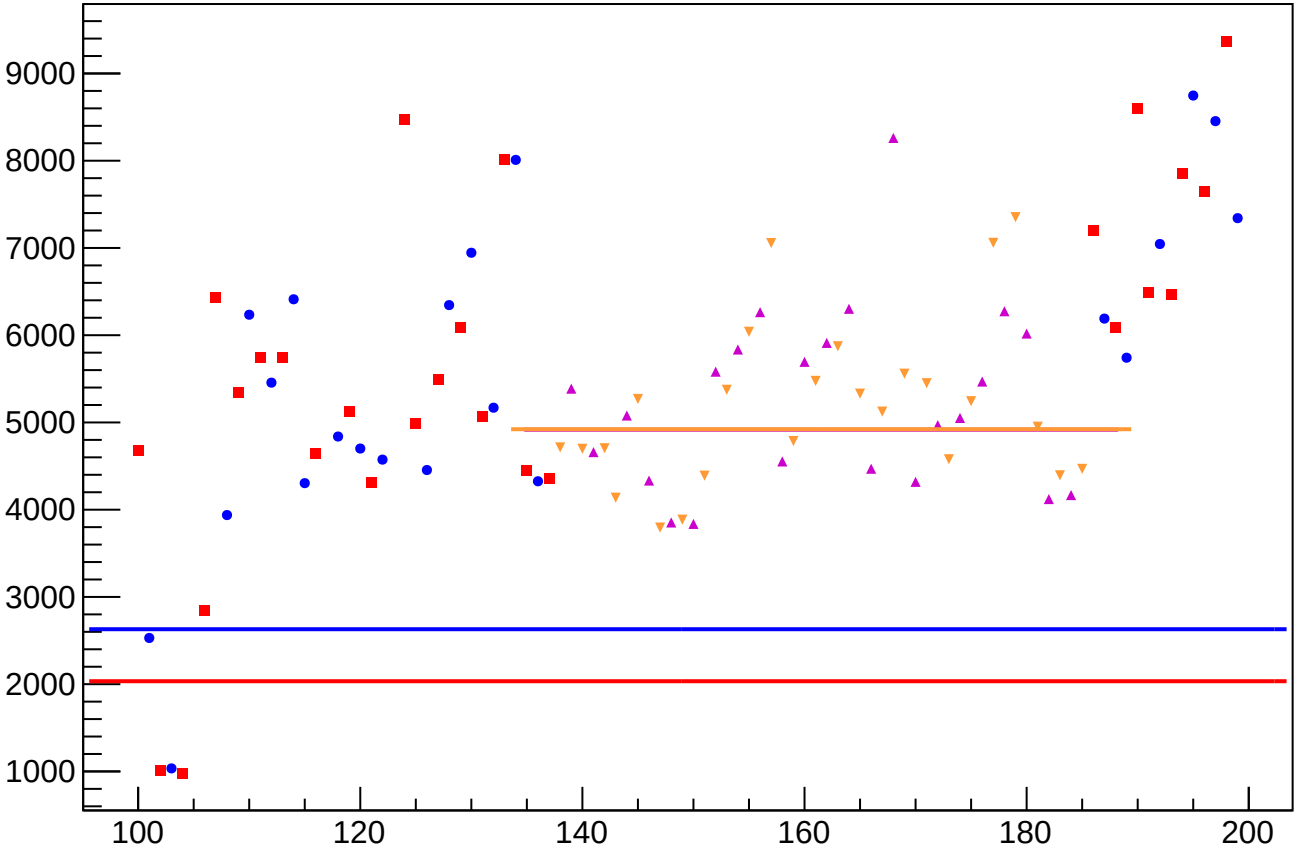
+ sign 1784.028+/-0.228 χ^2/NDF: 460391.3/46

All: 1793.405+/-0.162 χ^2/NDF: 1103682.2/96

- sign 1803.052+/-0.231 χ^2/NDF: 639851.4/49


asym_atl1r2_avg_dit_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -546.204+/-1026.591 χ²/NDF: 22.2/21
Left Out: 241.131+/-1140.961 χ²/NDF:26.7/24
Right Out: 453.591+/-807.777 χ²/NDF: 28.5/26
Left In: 306.106+/-1171.019 χ²/NDF:14.5/22
+ sign -193.964+/-763.150 χ²/NDF: 49.2/46
All: 147.112+/-501.328 χ²/NDF: 92.6/96
- sign 406.040+/-664.925 χ²/NDF: 43.0/49

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2630.028+/-0.726 χ^2/NDF: 9355322.1/21

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2034.023+/-0.571 χ^2/NDF: 12720628.0/26

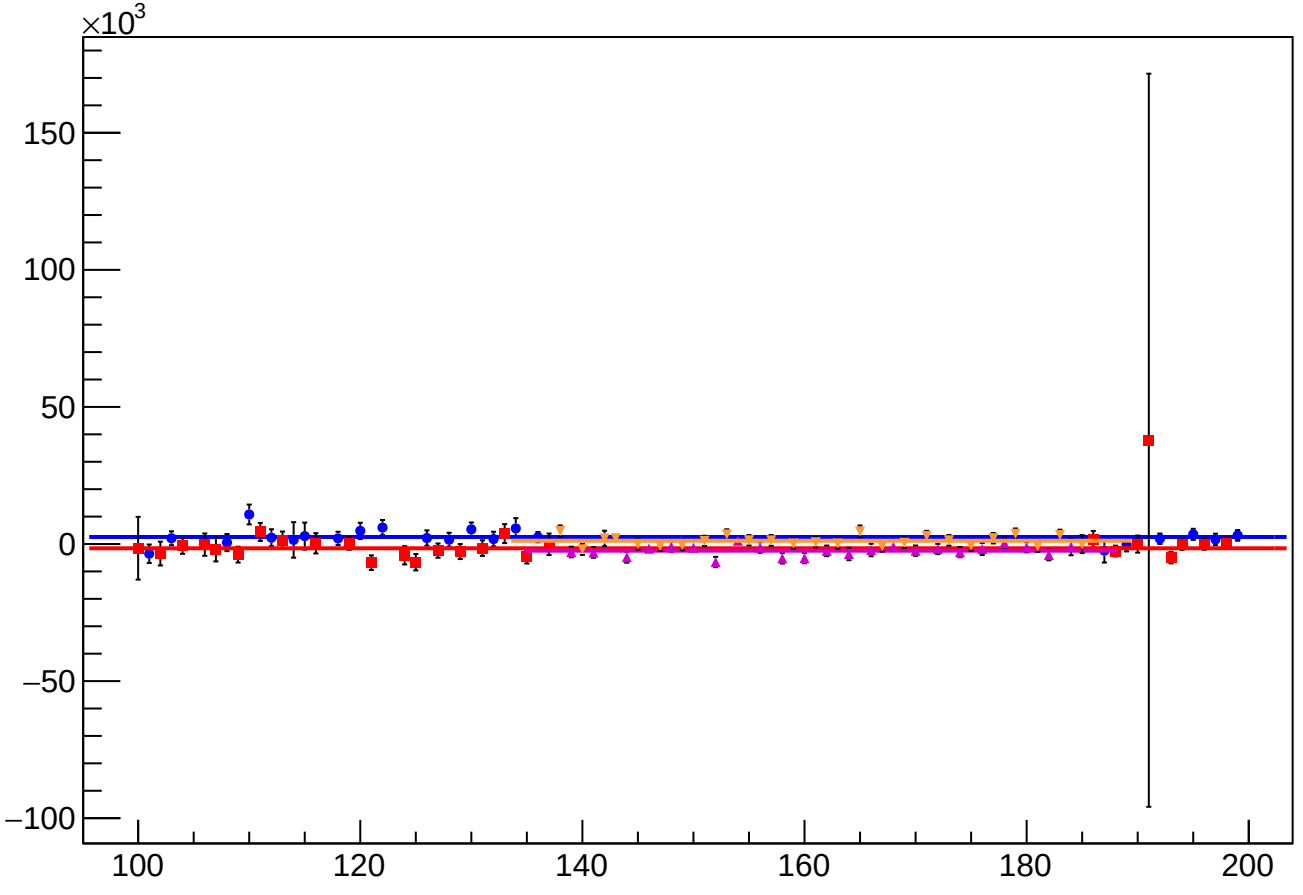
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3655.586+/-0.540 χ^2/NDF: 14867180.9/46

All: 3262.183+/-0.354 χ^2/NDF: 37898051.3/9

- sign 2963.532+/-0.470 χ^2/NDF: 22095923.0/49

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2566.381+/-562.047 χ^2/NDF: 16.4/21

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1554.533+/-546.655 χ^2/NDF: 23.8/26

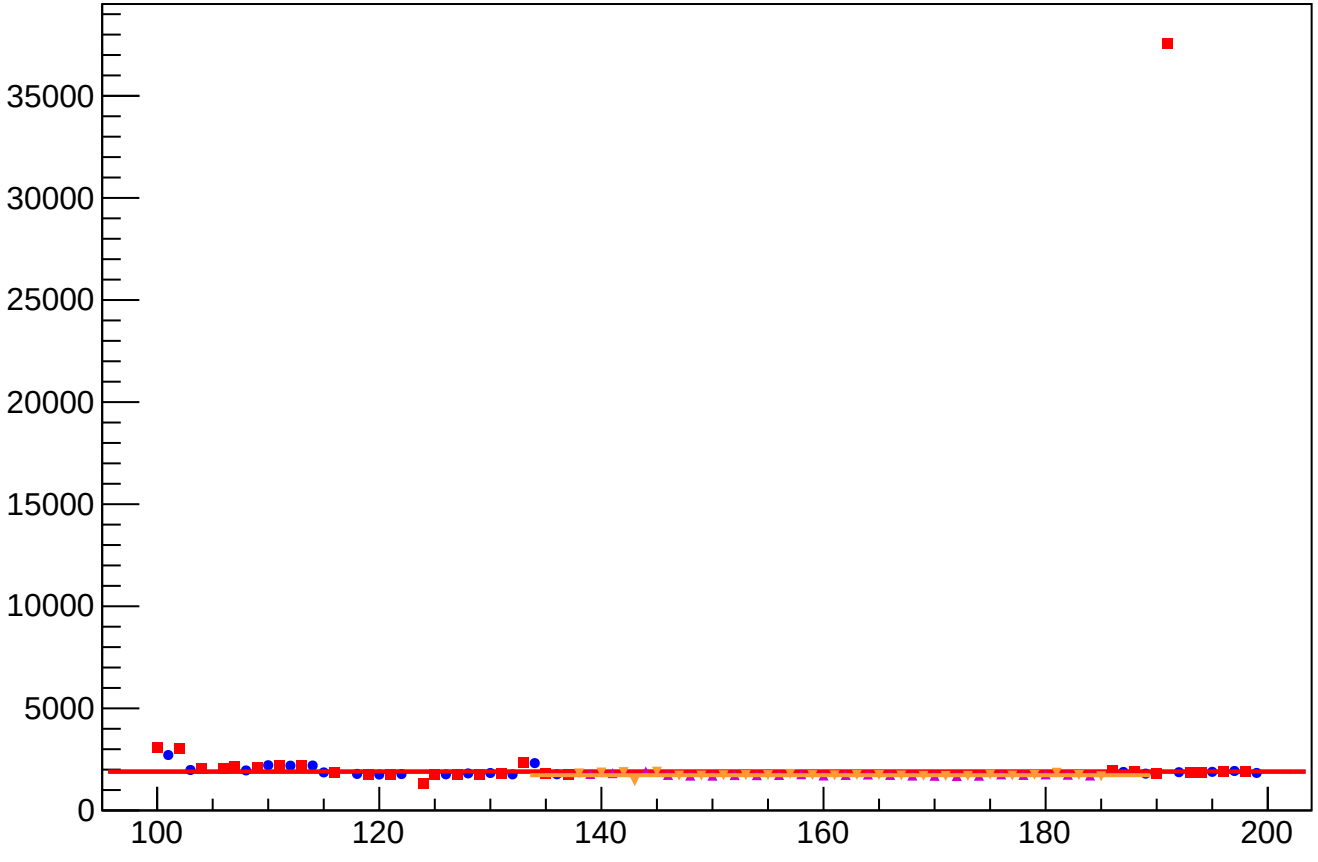
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1646.879+/-322.064 χ^2/NDF: 39.9/46

All: -210.608+/-229.369 χ^2/NDF: 153.5/96

- sign -2122.417+/-326.740 χ^2/NDF: 46.1/49

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1900.198+/-0.397 χ^2/NDF: 222906.3/21

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

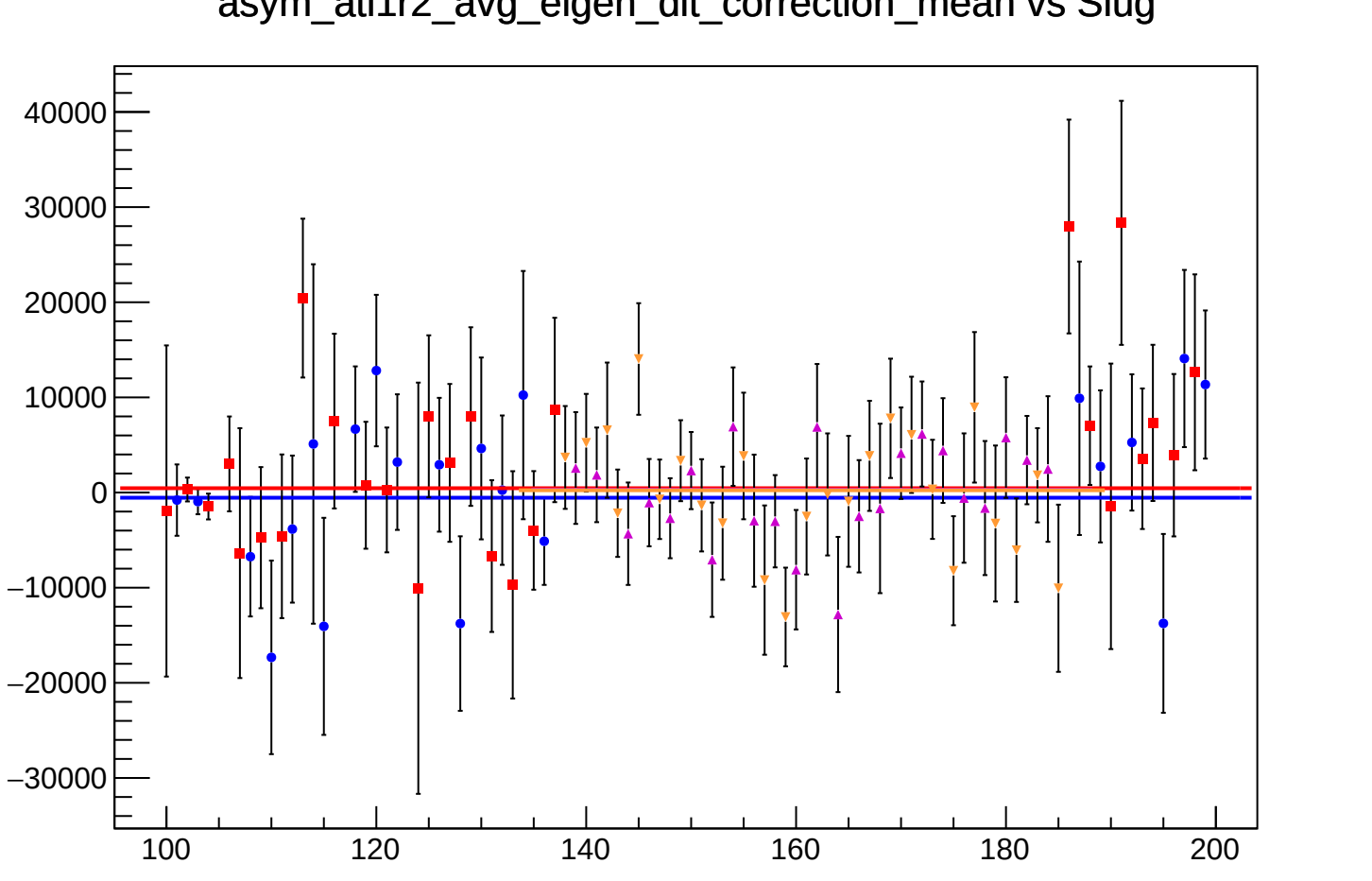
Right Out: 1908.057+/-0.386 χ^2/NDF: 498094.1/26

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1784.028+/-0.228 χ^2/NDF: 460388.4/46

All: 1793.405+/-0.162 χ^2/NDF: 1103676.8/96

- sign 1803.053+/-0.231 χ^2/NDF: 639848.9/49



Right In: -546.203+/-1026.591 χ^2/NDF: 22.2/21

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 453.596+/-807.777 χ^2/NDF: 28.5/26

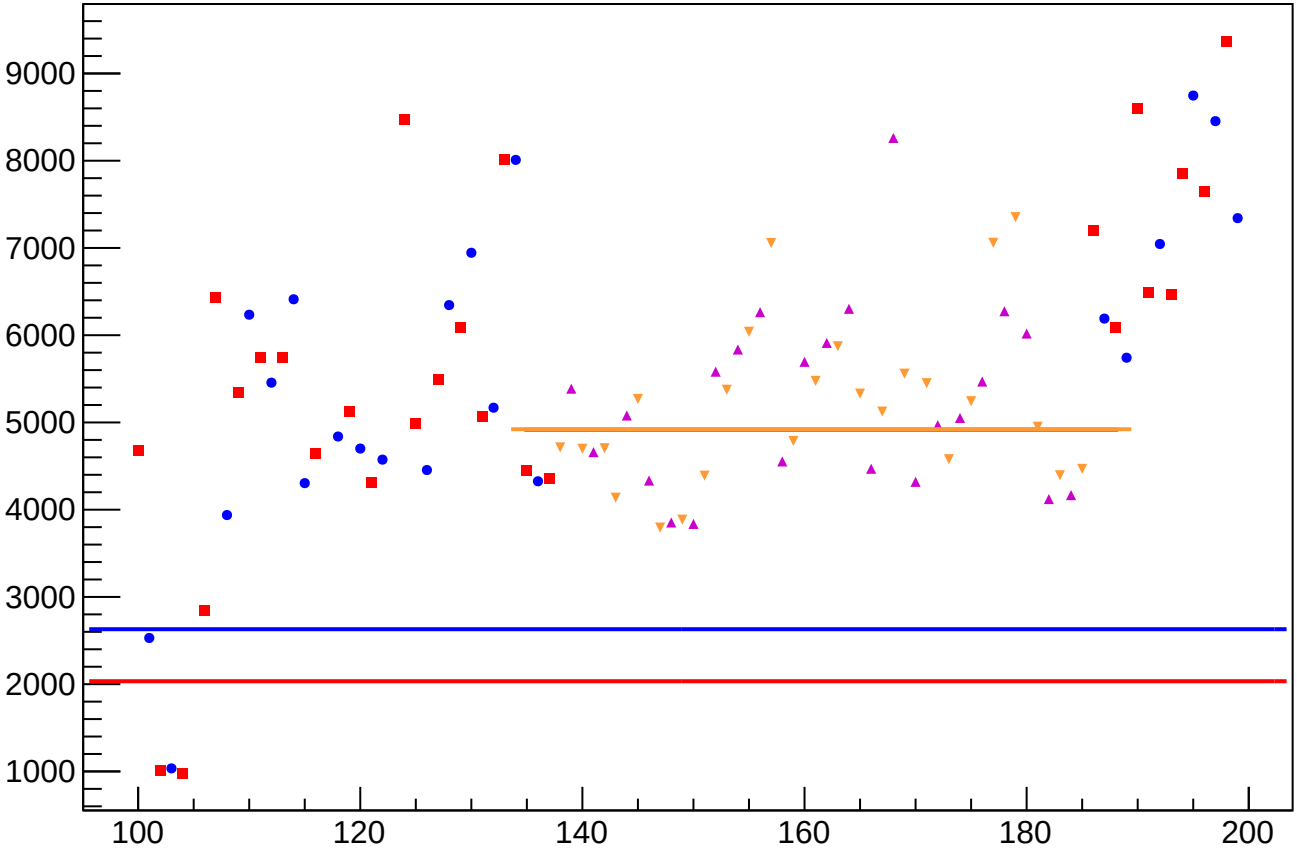
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -193.966+/-763.150 χ^2/NDF: 49.2/46

All: 147.114+/-501.328 χ^2/NDF: 92.6/96

- sign 406.044+/-664.925 χ^2/NDF: 43.0/49

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2630.027+/-0.726 χ^2/NDF: 9355321.7/21

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2034.023+/-0.571 χ^2/NDF: 12720622.4/26

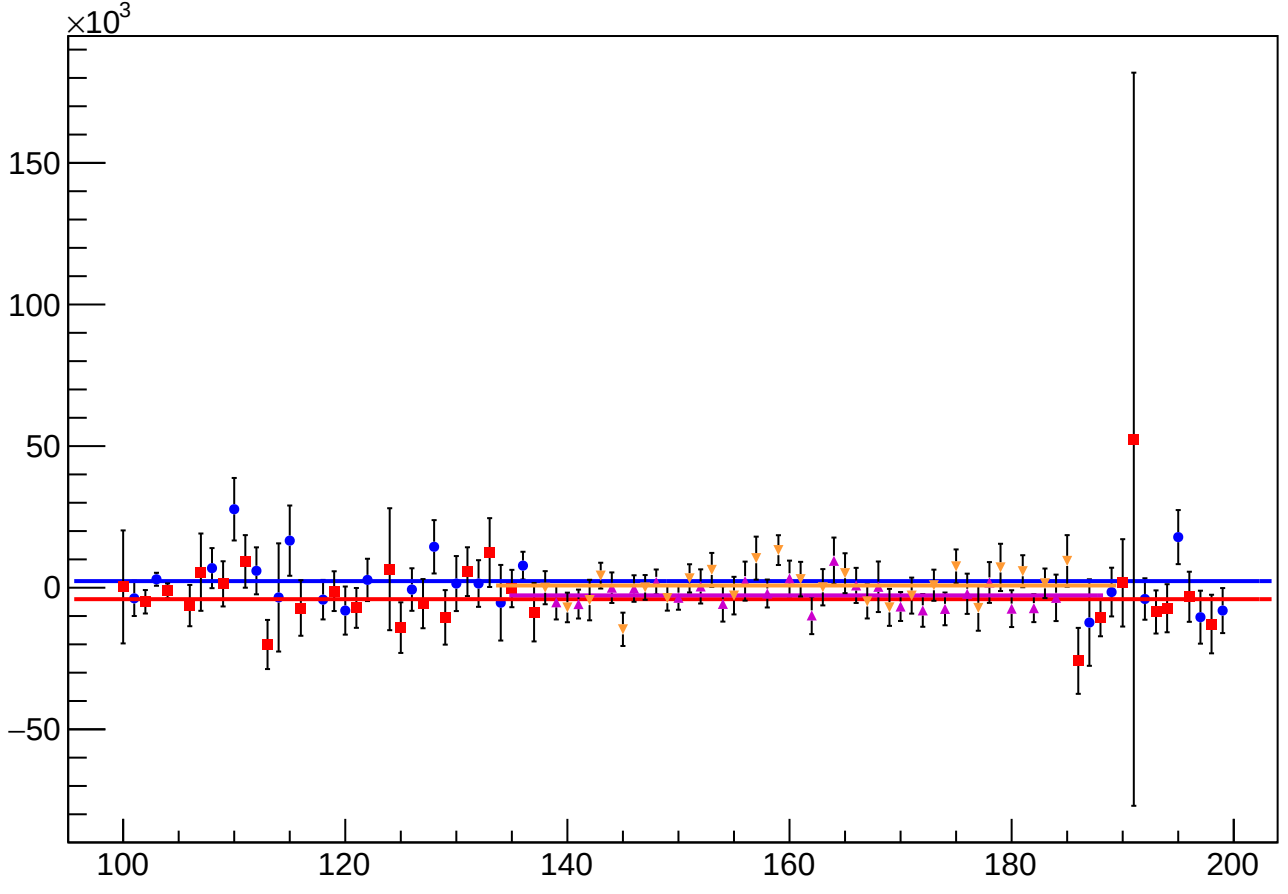
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3655.586+/-0.540 χ^2/NDF: 14867213.5/46

All: 3262.182+/-0.354 χ^2/NDF: 37898116.4/9

- sign 2963.532+/-0.470 χ^2/NDF: 22095953.4/49

asym_atl1r2_avg_mean vs Slug



Right In: 2332.089+/-1418.815 χ^2/NDF: 22.2/21

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -4044.509+/-1409.227 χ^2/NDF: 20.0/26

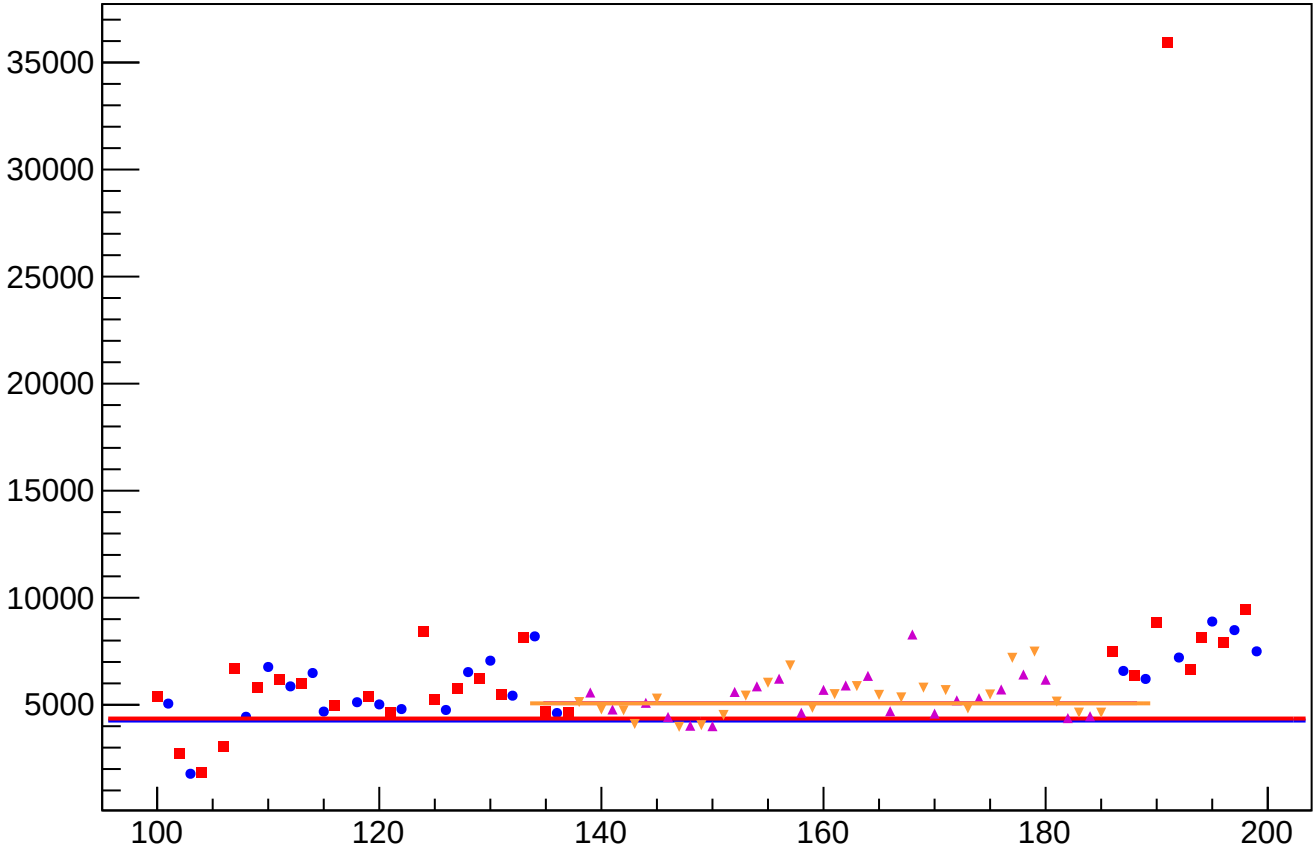
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1414.226+/-903.571 χ^2/NDF: 50.5/46

All: -895.731+/-643.409 χ^2/NDF: 96.2/96

- sign -3271.747+/-916.400 χ^2/NDF: 32.5/49

asym_atl1r2_avg_rms vs Slug



Right In: 4264.579+/-1.003 χ^2/NDF: 4840957.4/21

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4358.164+/-0.988 χ^2/NDF: 5057701.0/26

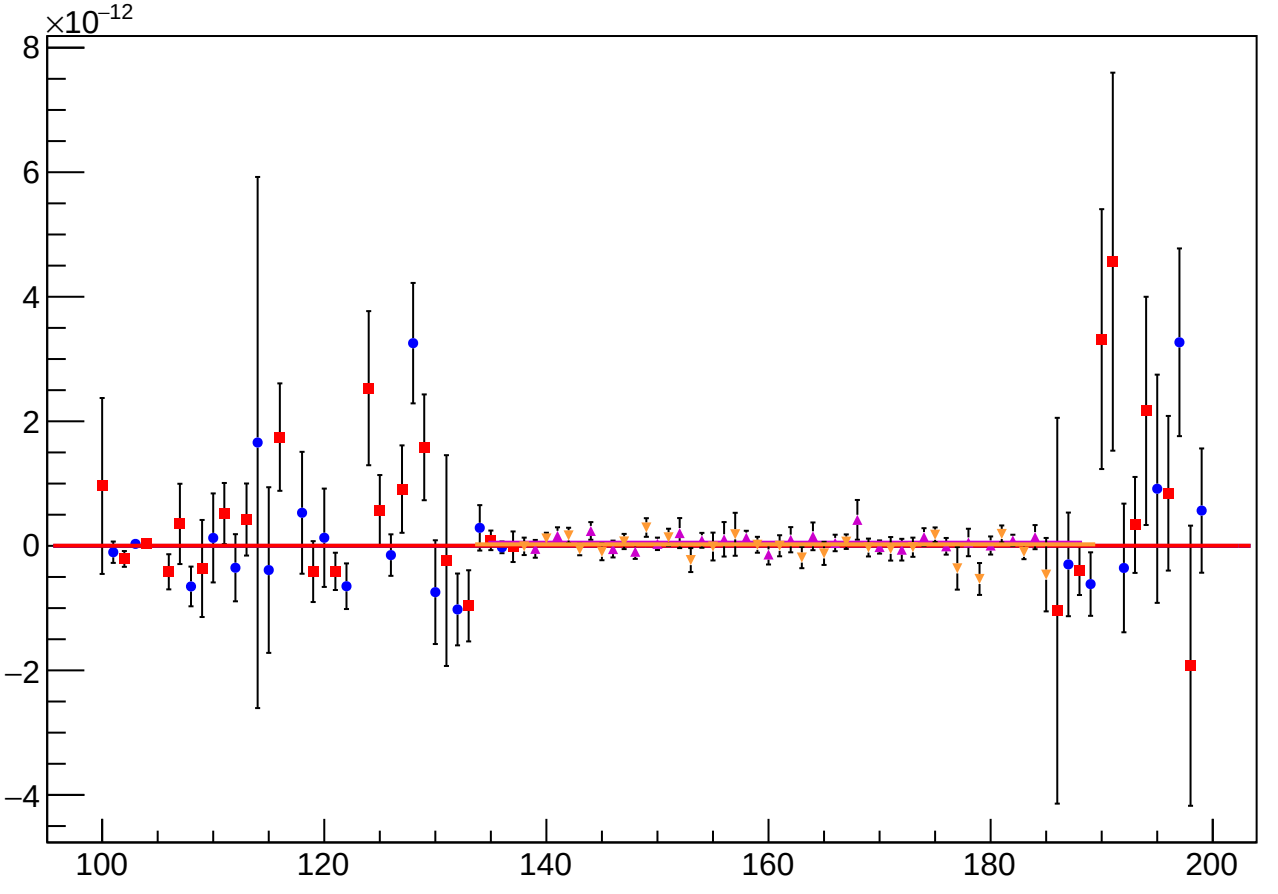
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4742.090+/-0.639 χ^2/NDF: 6176320.7/46

All: 4756.723+/-0.454 χ^2/NDF: 12541825.9/9

- 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: 32.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

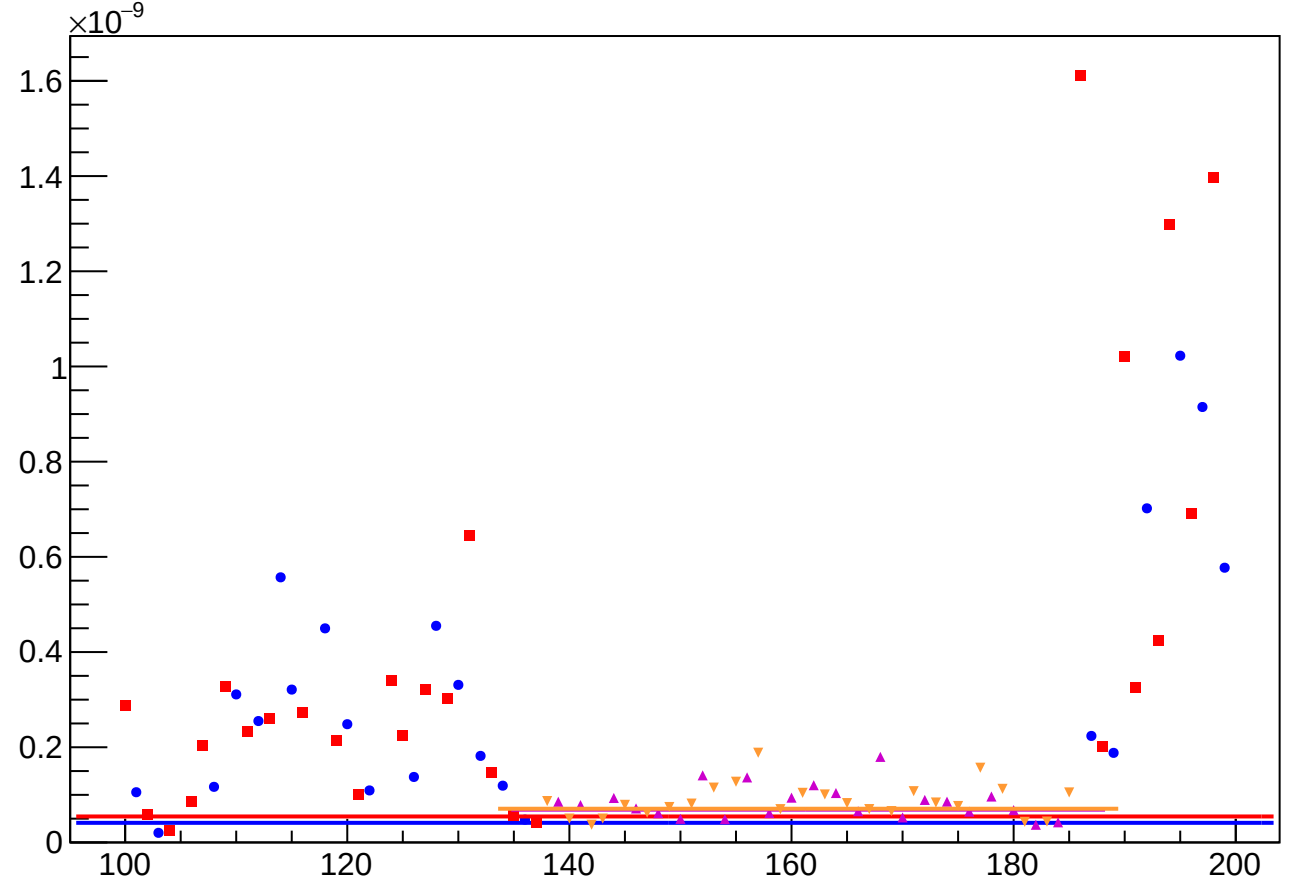
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/26

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/46

All: 0.000+/-0.000 χ^2/NDF: 105.5/96

- sign 0.000+/-0.000 χ^2/NDF: 48.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 6062394.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6780888.8/26

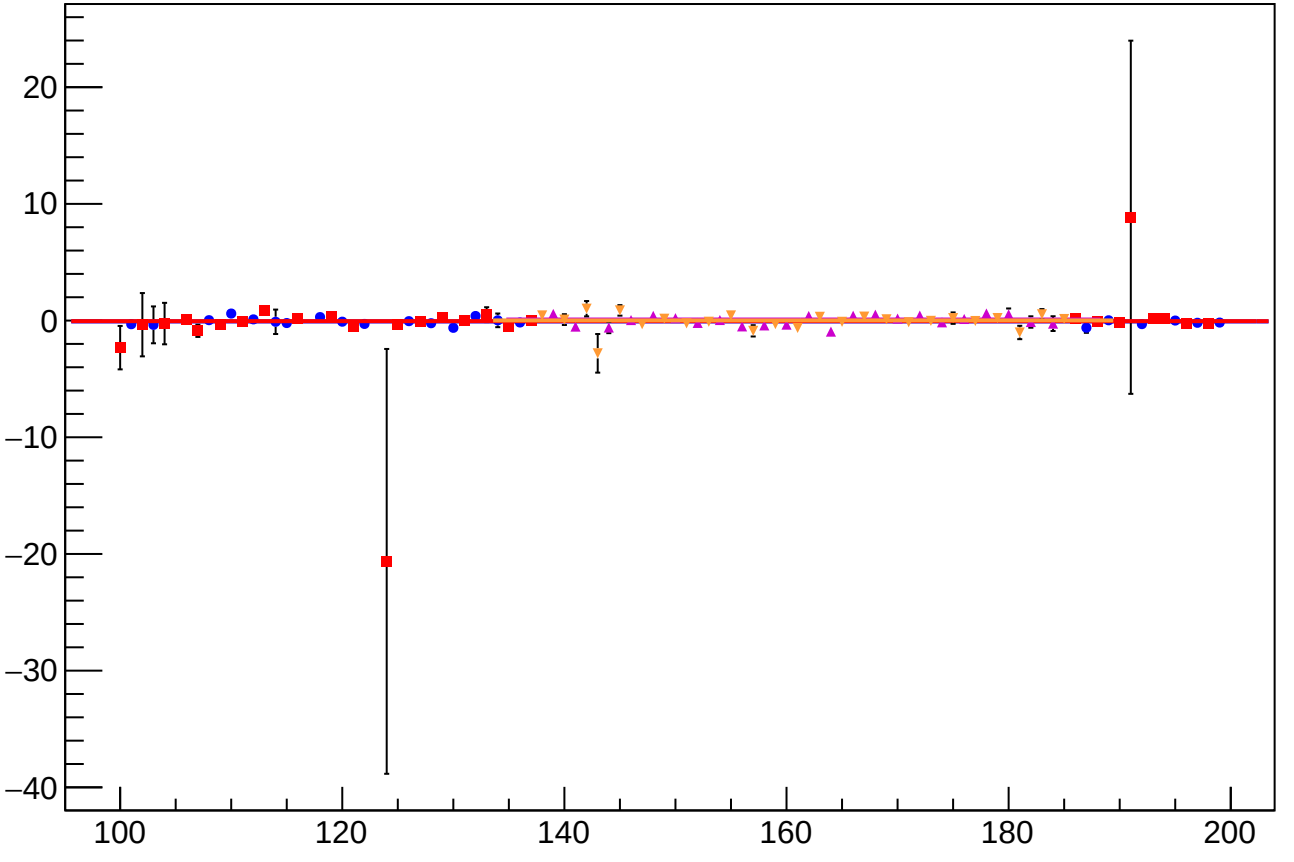
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8371337.7/46

All: 0.000+/-0.000 χ^2/NDF: 16777135.2/96

- sign 0.000+/-0.000 χ^2/NDF: 8356437.0/49

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.049+/-0.055 χ^2/NDF: 27.7/26

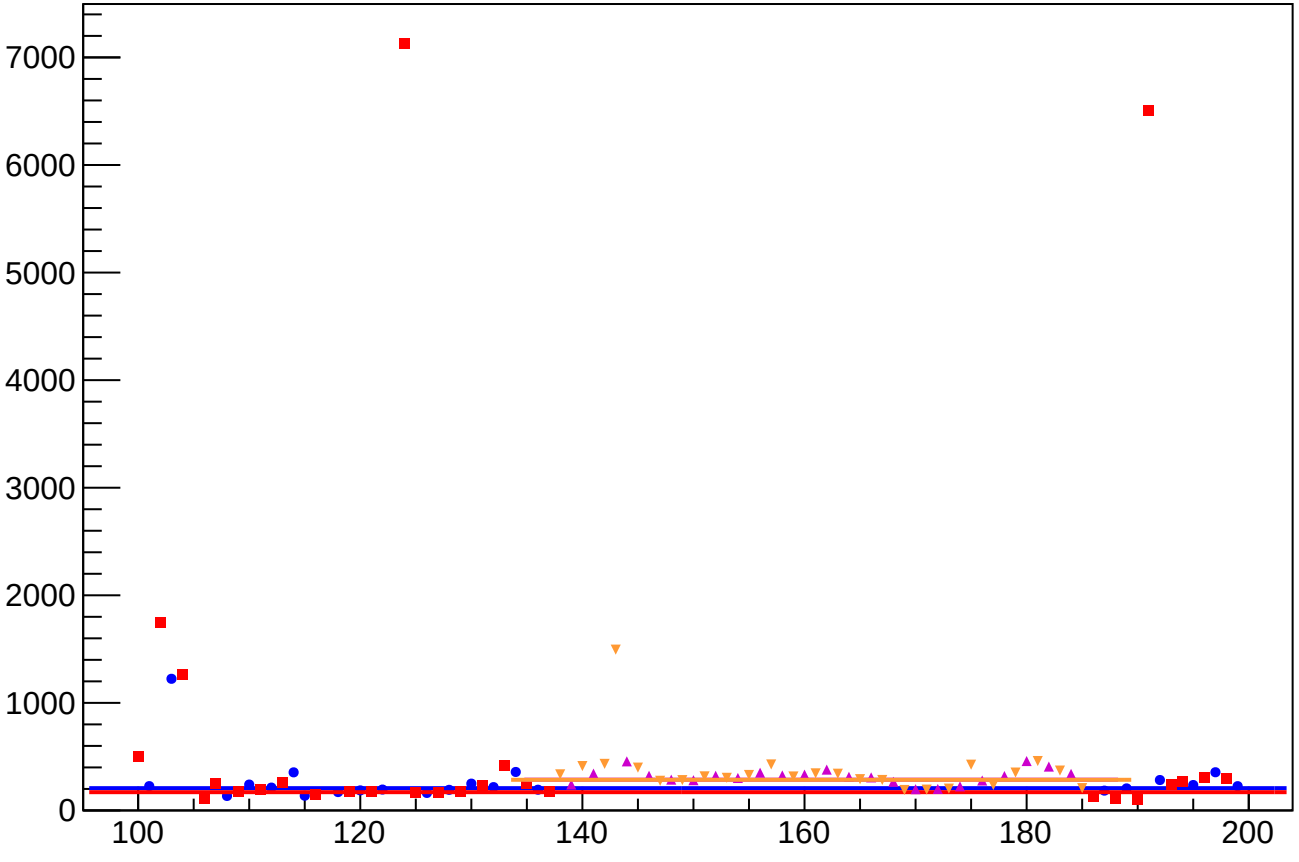
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.048 χ^2/NDF: 43.6/46

All: -0.012+/-0.032 χ^2/NDF: 104.9/96

- sign 0.004+/-0.044 χ^2/NDF: 61.0/49

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 207.317+/-0.047 χ^2/NDF: 1900608.4/21

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

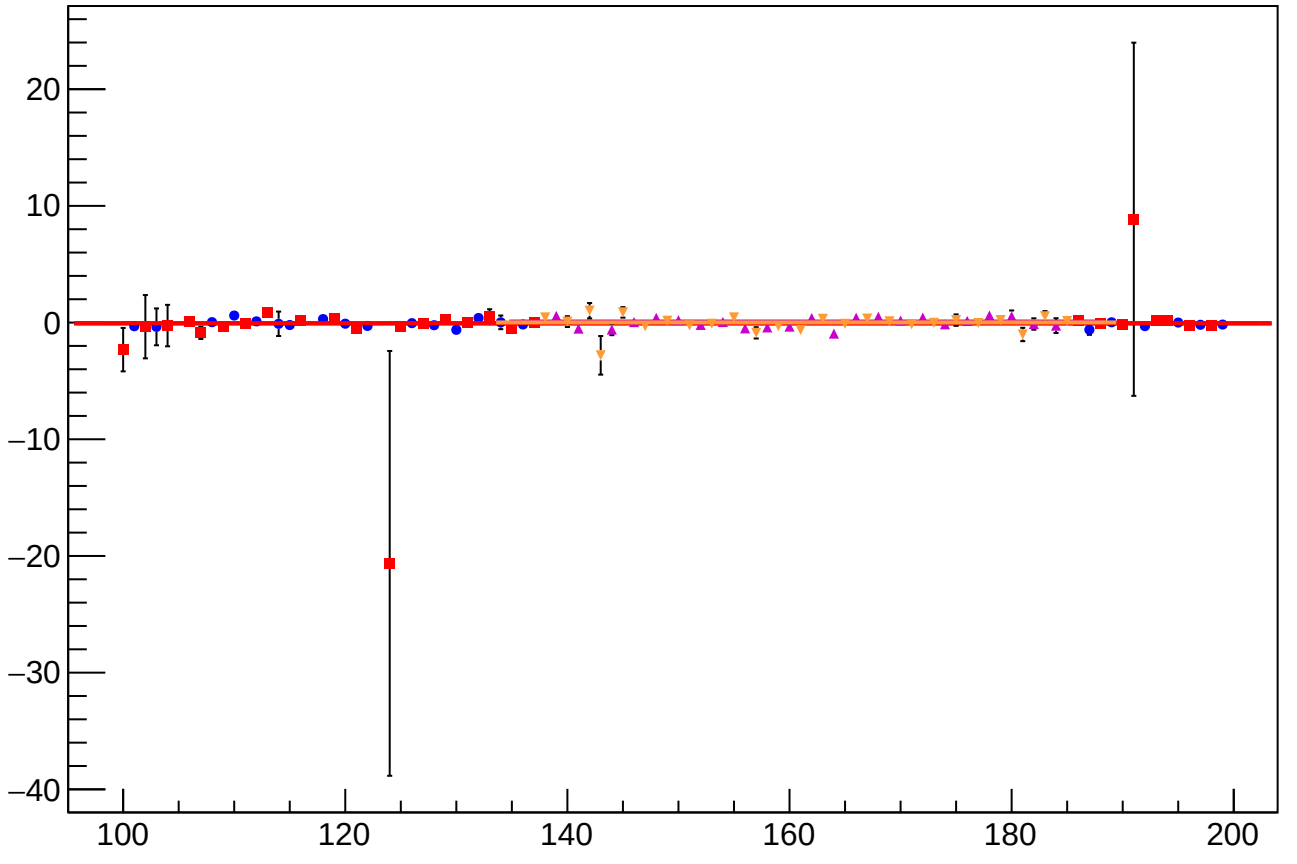
Right Out: 169.905+/-0.039 χ^2/NDF: 4686054.4/26

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.939+/-0.034 χ^2/NDF: 6618010.9/46

All: 227.728+/-0.023 χ^2/NDF: 16813053.6/96

- sign 214.324+/-0.031 χ^2/NDF: 9777063.5/49



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.049+/-0.055 χ^2/NDF: 27.7/26

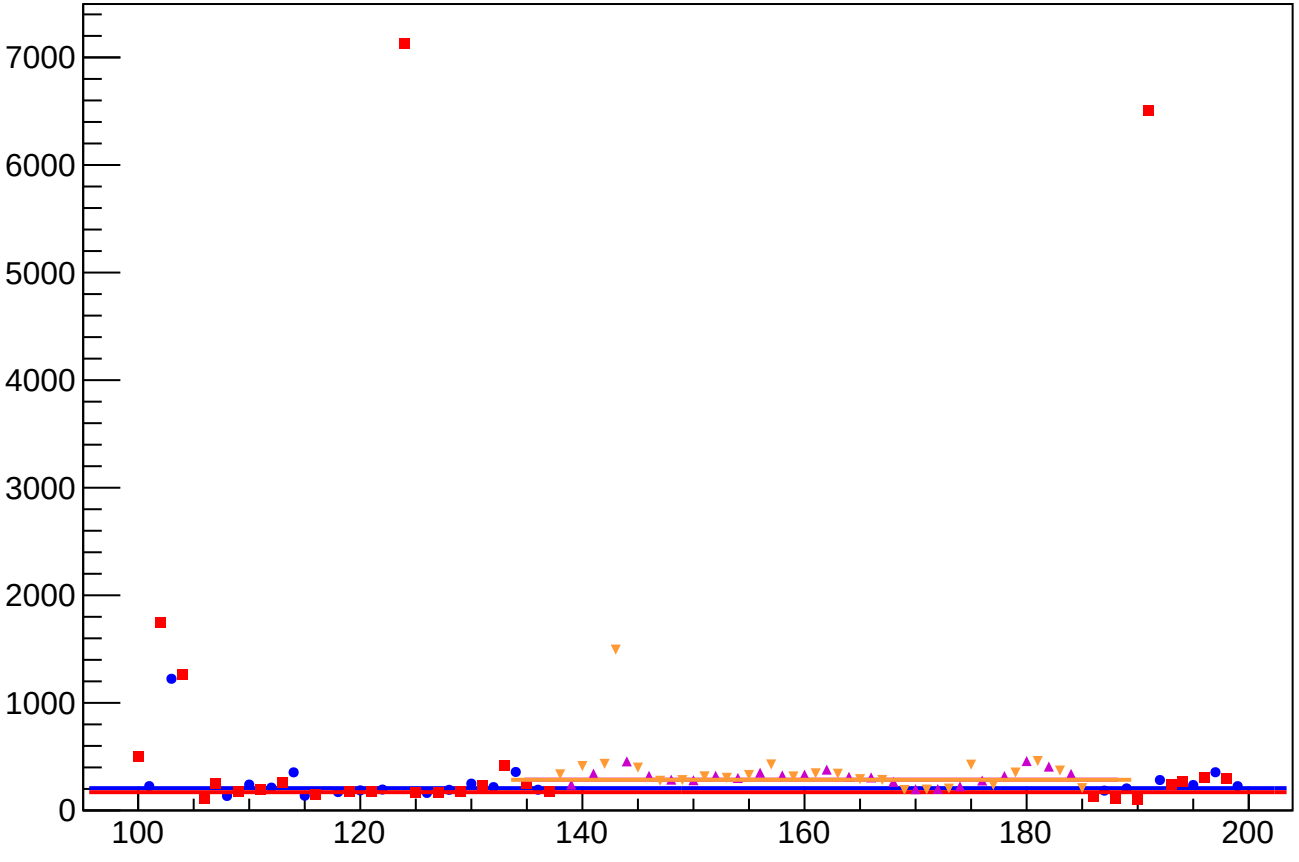
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.048 χ^2/NDF: 43.6/46

All: -0.012+/-0.032 χ^2/NDF: 104.9/96

- sign 0.004+/-0.044 χ^2/NDF: 61.0/49

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 207.317+/-0.047 χ^2/NDF: 1900608.4/21

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

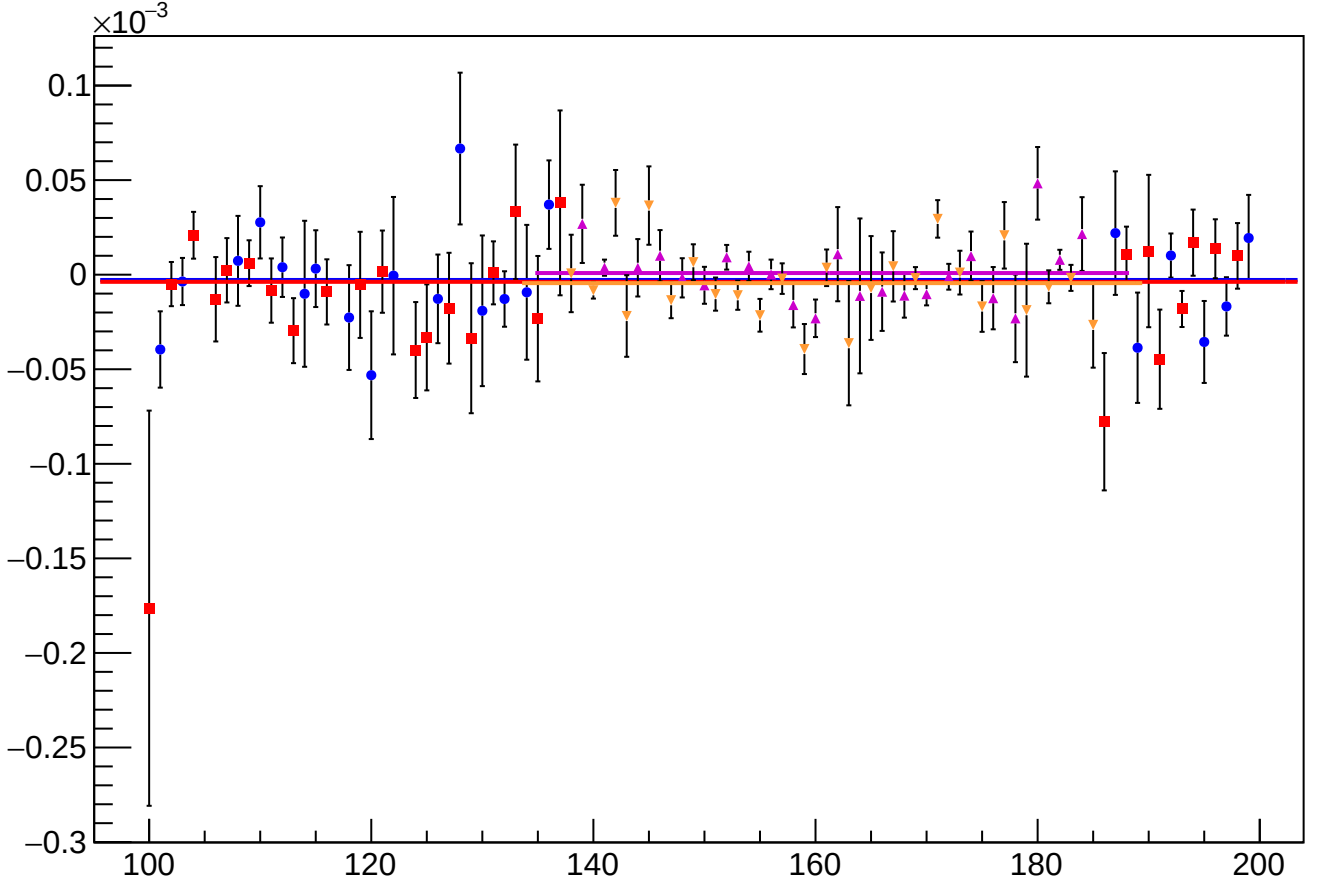
Right Out: 169.905+/-0.039 χ^2/NDF: 4686054.4/26

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.939+/-0.034 χ^2/NDF: 6618010.9/46

All: 227.728+/-0.023 χ^2/NDF: 16813053.6/96

- sign 214.324+/-0.031 χ^2/NDF: 9777063.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

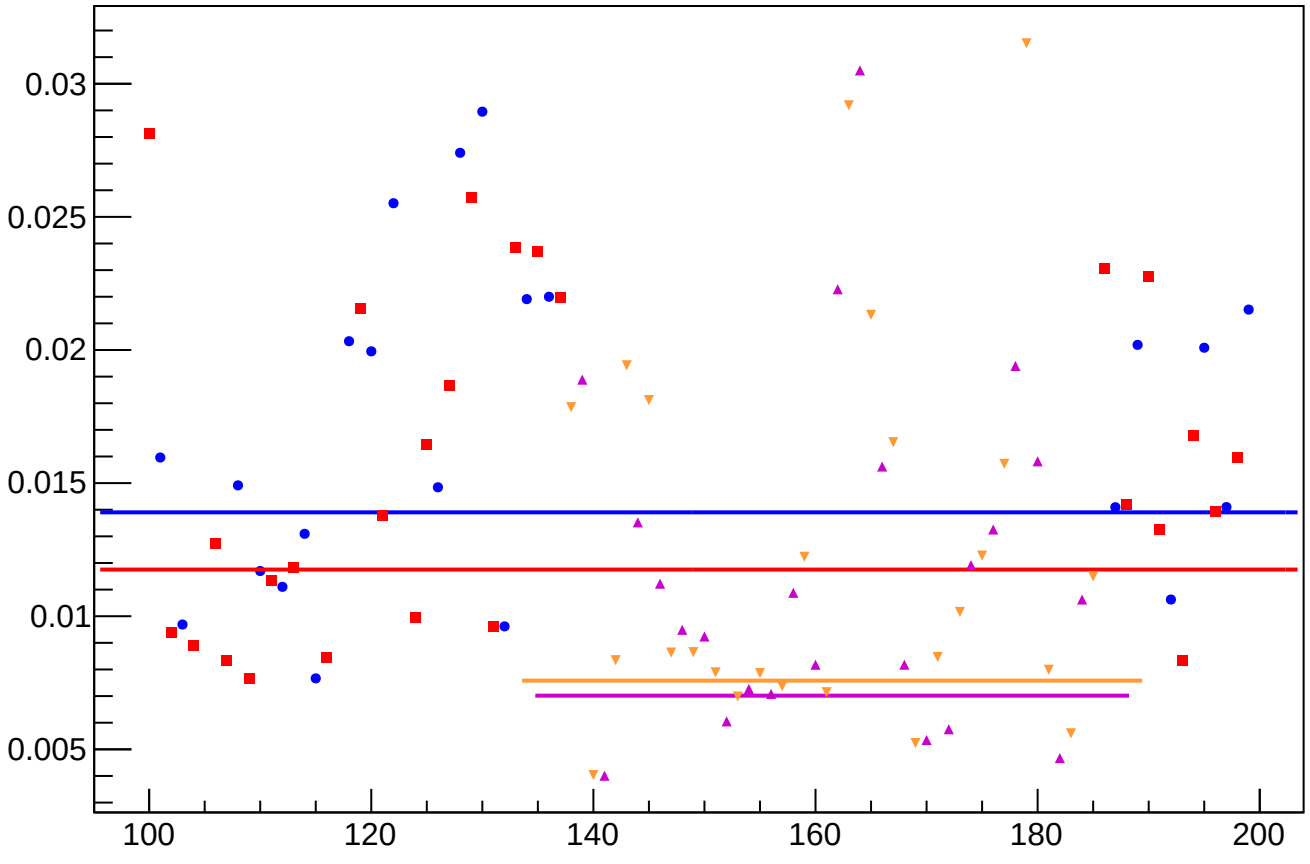
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/26

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.2/46

All: -0.000+/-0.000 χ^2/NDF: 129.8/96

- sign -0.000+/-0.000 χ^2/NDF: 59.9/49



Right In: 0.014+/-0.000 χ^2/NDF: 2523649.3/21

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

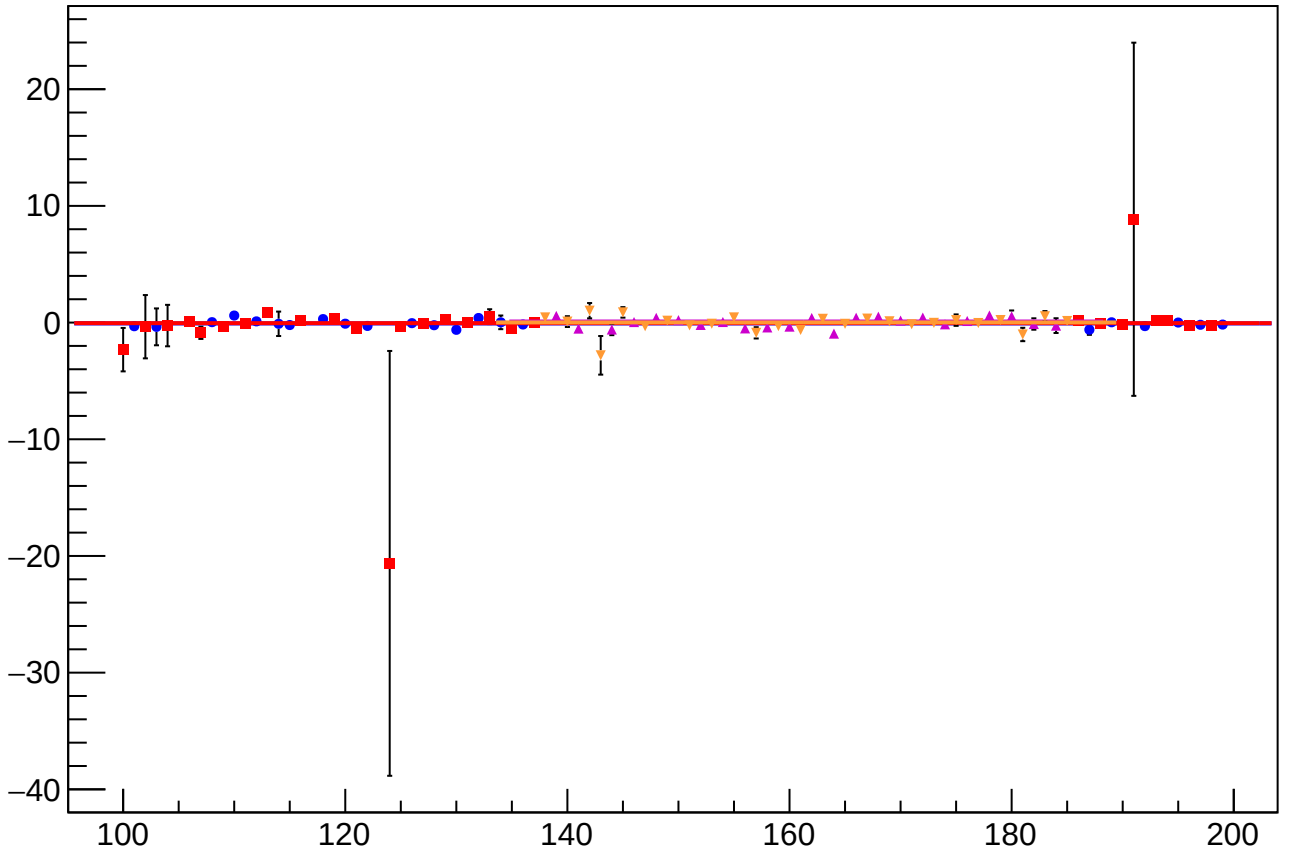
Right Out: 0.012+/-0.000 χ^2/NDF: 2909016.7/26

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 13294541.9/46

All: 0.008+/-0.000 χ^2/NDF: 25808454.3/96

- sign 0.008+/-0.000 χ^2/NDF: 12412061.4/49



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.049+/-0.055 χ^2/NDF: 27.7/26

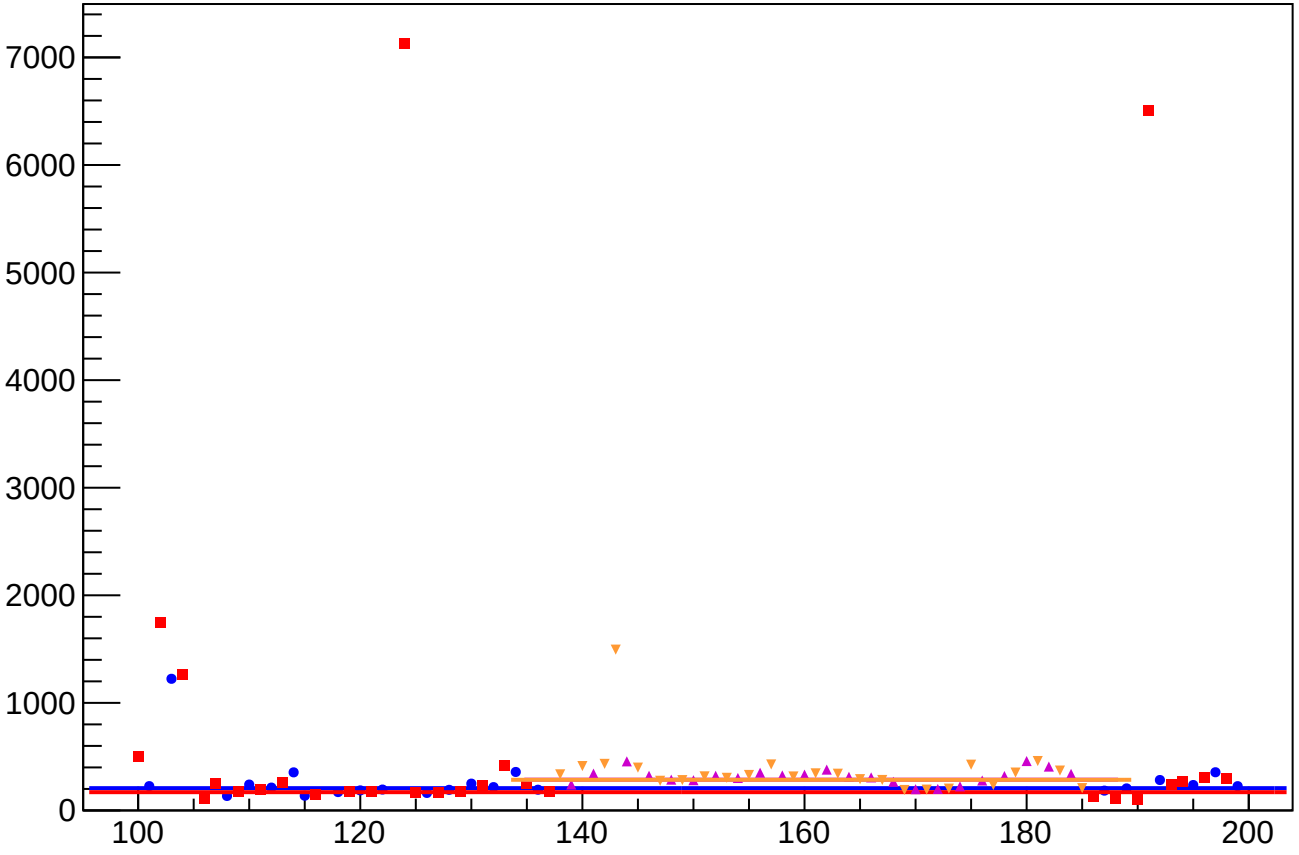
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.048 χ^2/NDF: 43.6/46

All: -0.012+/-0.032 χ^2/NDF: 104.9/96

- sign 0.004+/-0.044 χ^2/NDF: 61.0/49

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 207.316+/-0.047 χ^2/NDF: 1900606.6/21

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

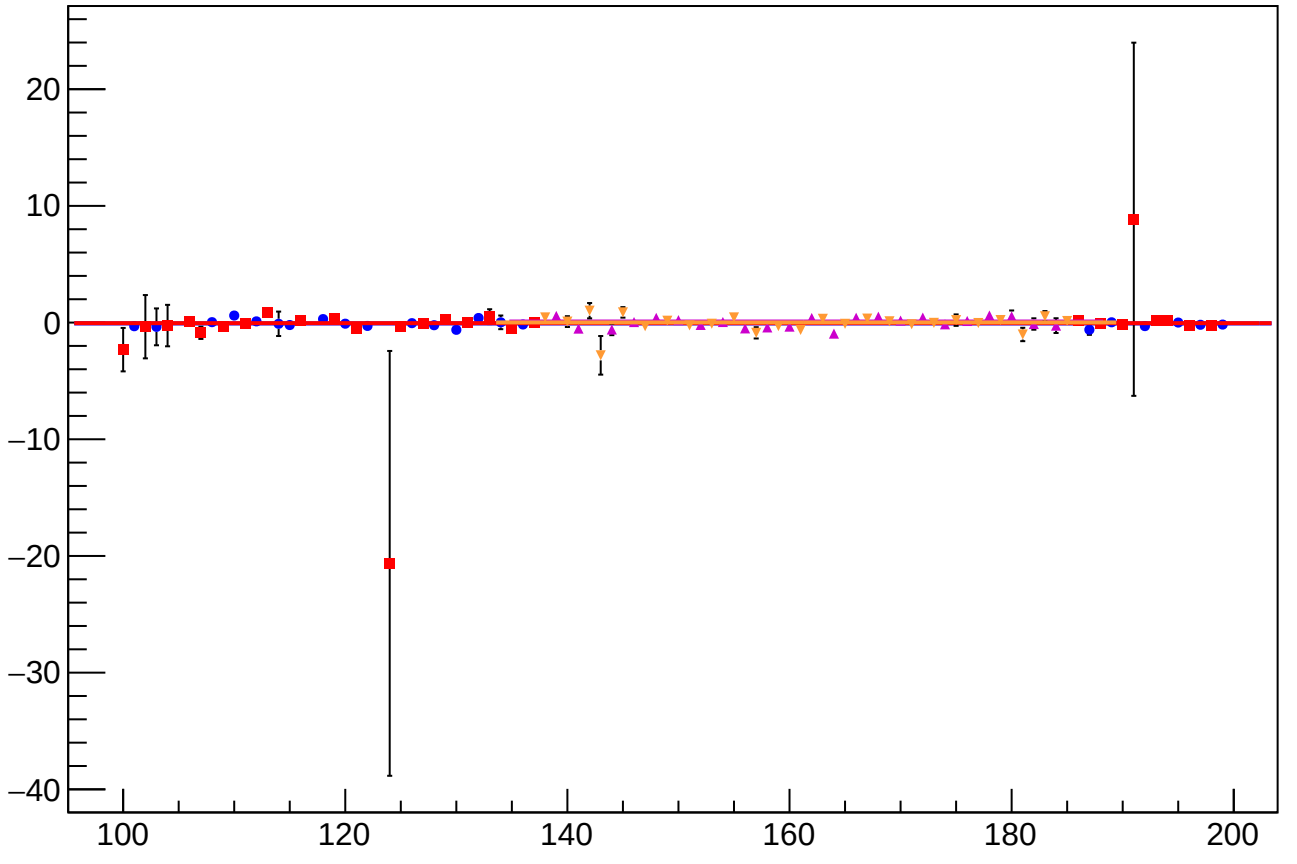
Right Out: 169.903+/-0.039 χ^2/NDF: 4686171.0/26

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.939+/-0.034 χ^2/NDF: 6618164.7/46

All: 227.727+/-0.023 χ^2/NDF: 16813729.1/96

- sign 214.323+/-0.031 χ^2/NDF: 9777523.6/49



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

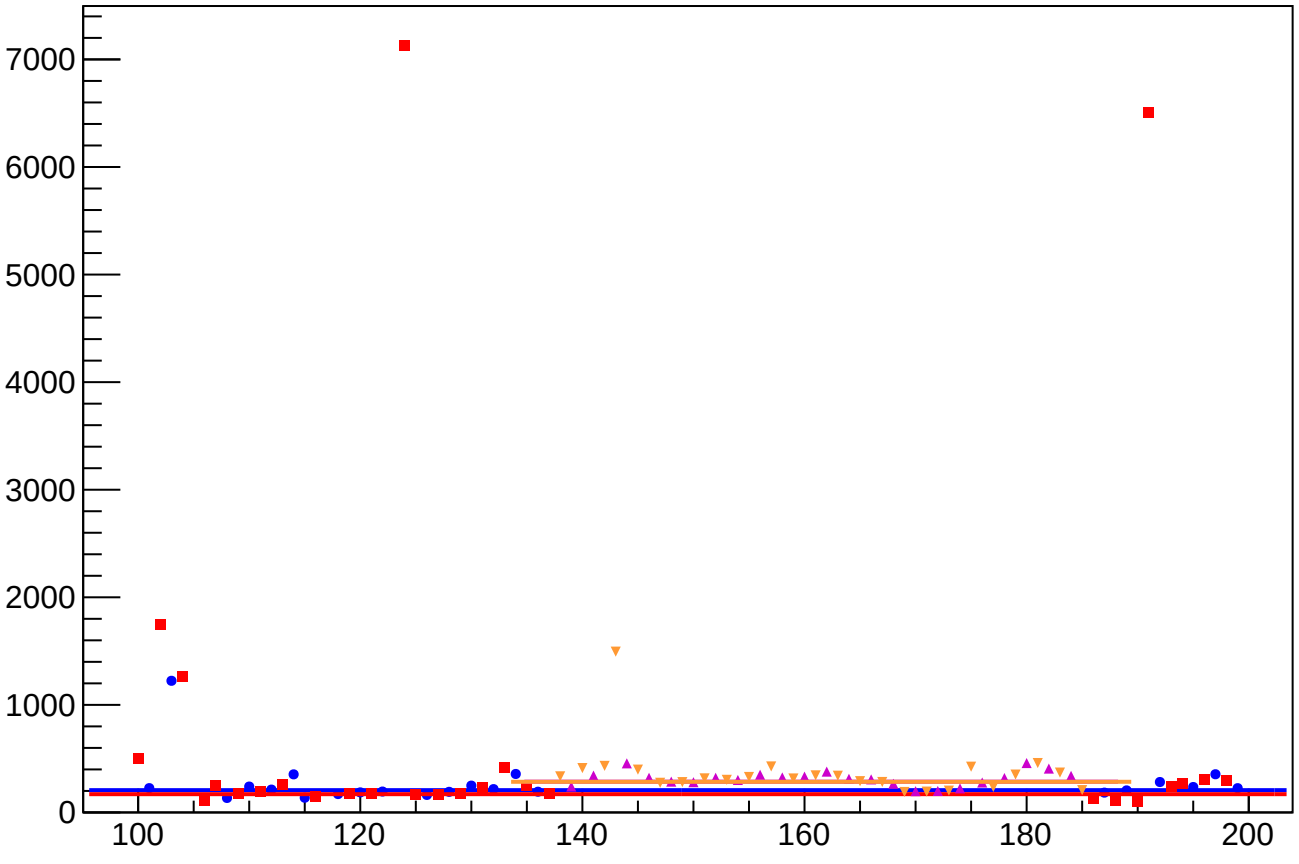
Right Out: -0.049+/-0.055 χ^2/NDF: 27.7/26

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.048 χ^2/NDF: 43.6/46

All: -0.012+/-0.032 χ^2/NDF: 104.9/96

- sign 0.004+/-0.044 χ^2/NDF: 61.0/49



Right In: 207.316+/-0.047 χ^2/NDF: 1900606.6/21

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 169.903+/-0.039 χ^2/NDF: 4686171.0/26

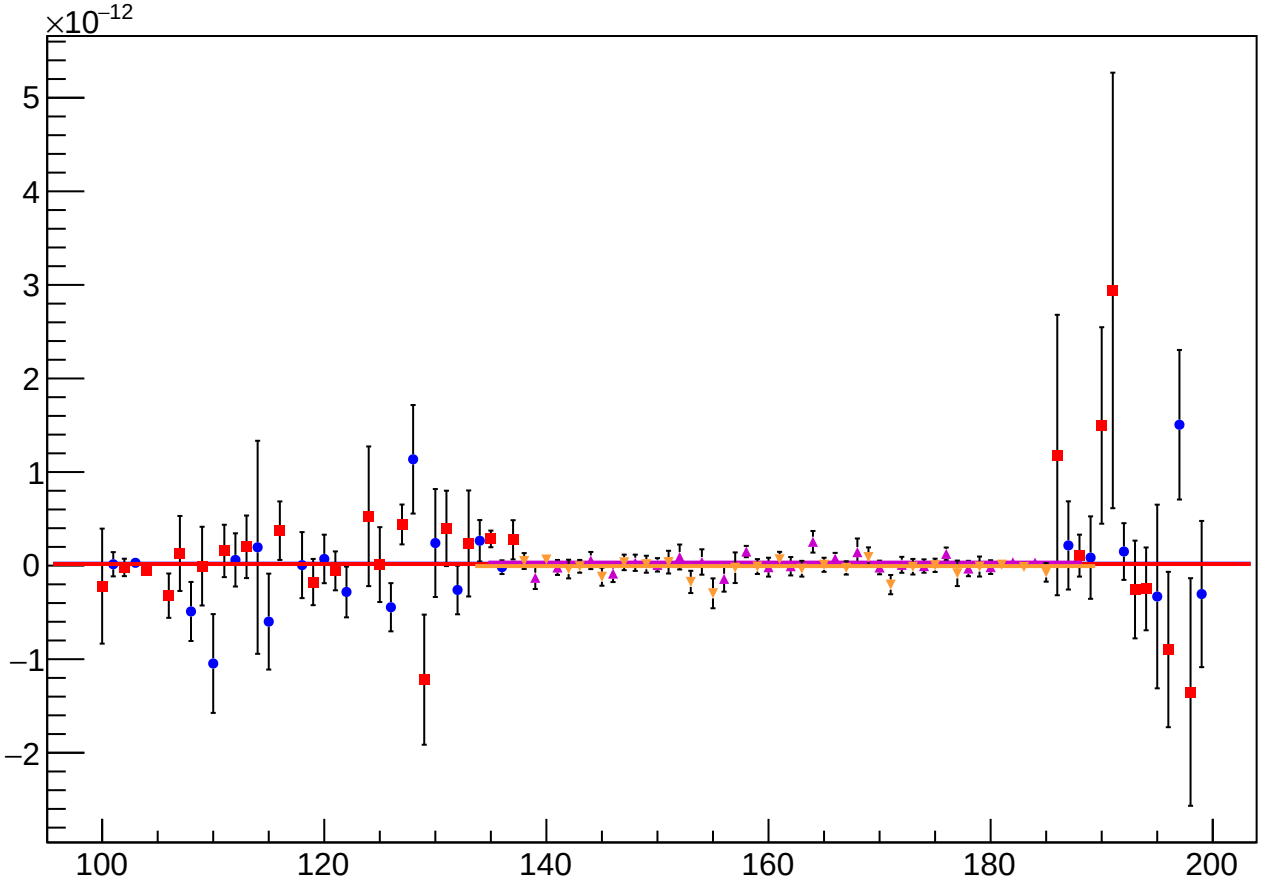
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.939+/-0.034 χ^2/NDF: 6618164.7/46

All: 227.727+/-0.023 χ^2/NDF: 16813729.1/96

- 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: 23.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/26

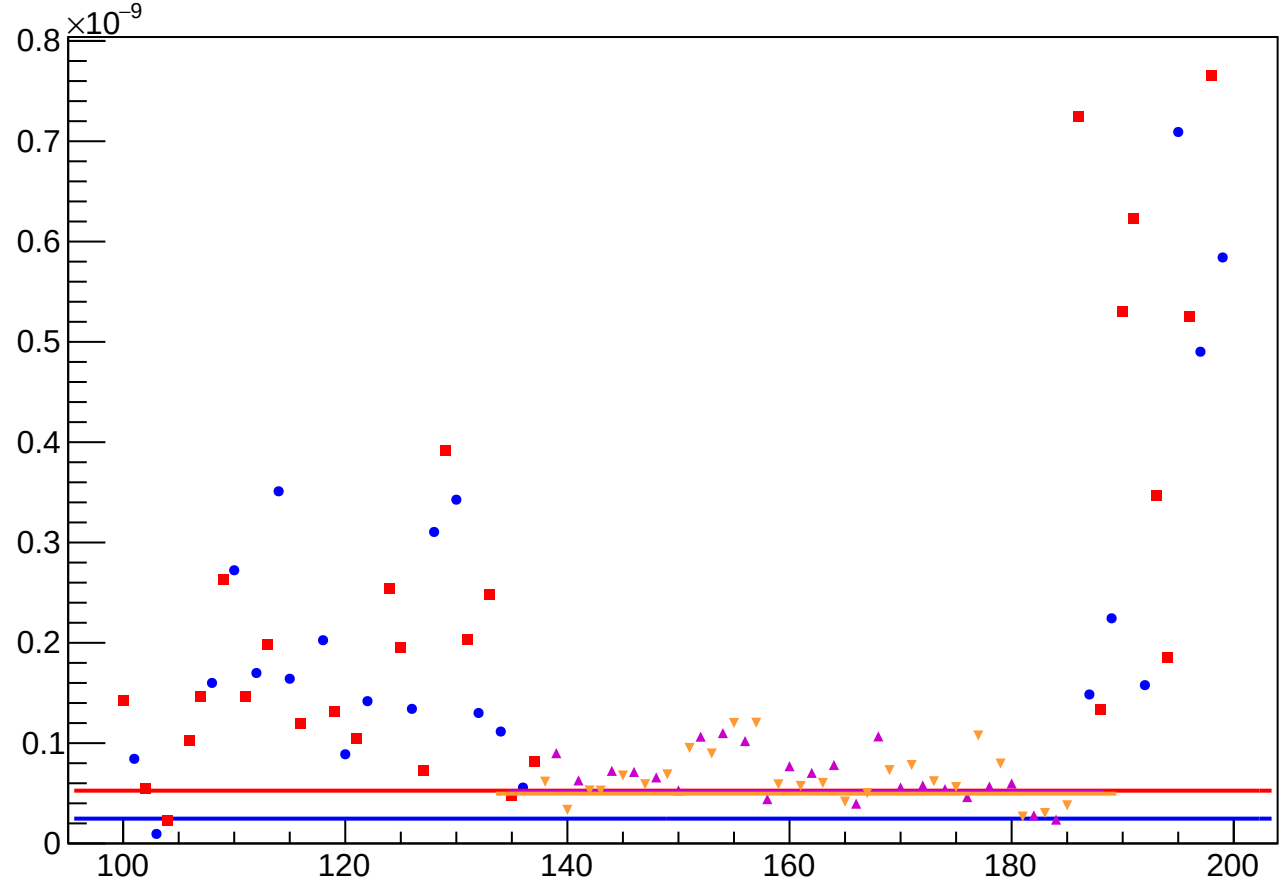
Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/46

All: 0.000+/-0.000 χ^2/NDF: 96.4/96

- sign 0.000+/-0.000 χ^2/NDF: 53.5/49

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10045797.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7638584.7/26

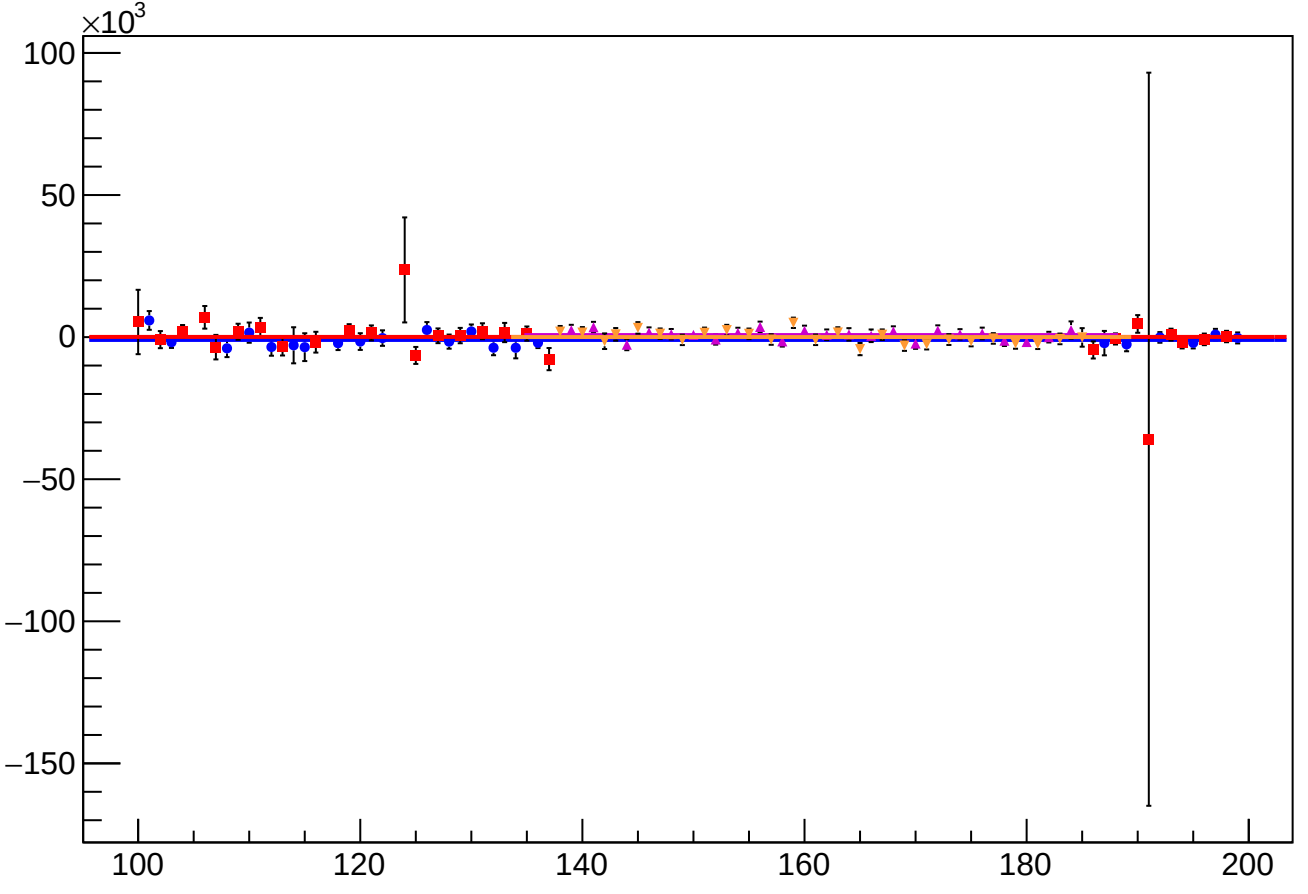
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15843941.3/46

All: 0.000+/-0.000 χ^2/NDF: 27819445.8/96

- sign 0.000+/-0.000 χ^2/NDF: 11300776.0/49

reg_asym_atl1r2_dd_mean vs Slug



Right In: -986.696+/-546.574 χ^2/NDF: 14.2/21

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 73.200+/-536.987 χ^2/NDF: 26.6/26

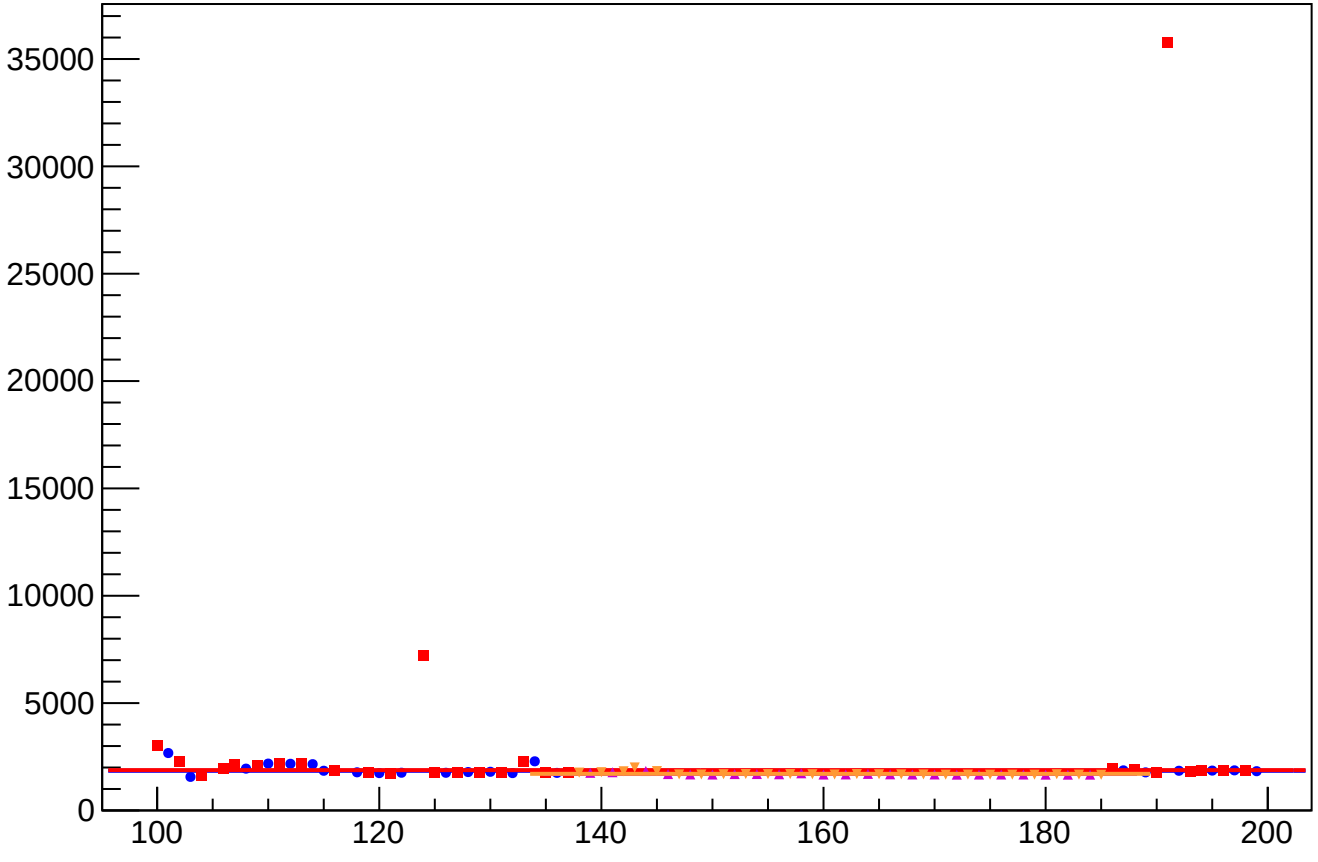
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -314.936+/-316.242 χ^2/NDF: 46.0/46

All: 84.853+/-224.566 χ^2/NDF: 95.8/96

- sign 491.502+/-318.944 χ^2/NDF: 46.6/49

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1847.132+/-0.386 χ^2/NDF: 262327.1/21

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1878.601+/-0.379 χ^2/NDF: 511011.7/26

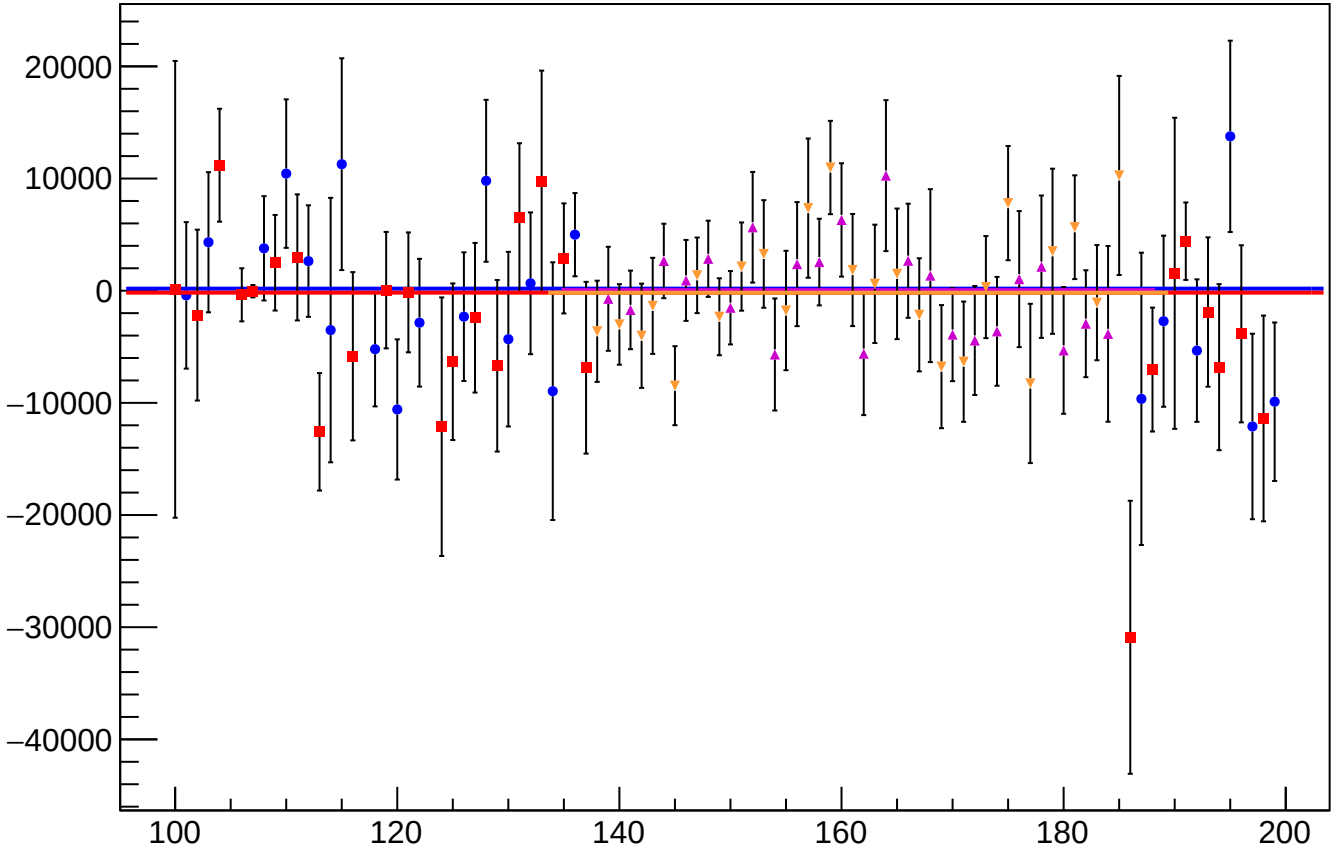
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1753.003+/-0.224 χ^2/NDF: 411422.7/46

All: 1757.222+/-0.159 χ^2/NDF: 1091762.2/96

- sign 1761.509+/-0.225 χ^2/NDF: 679622.0/49

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 183.246+/-1361.528 χ^2/NDF: 22.4/21

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -172.567+/-493.392 χ^2/NDF: 30.3/26

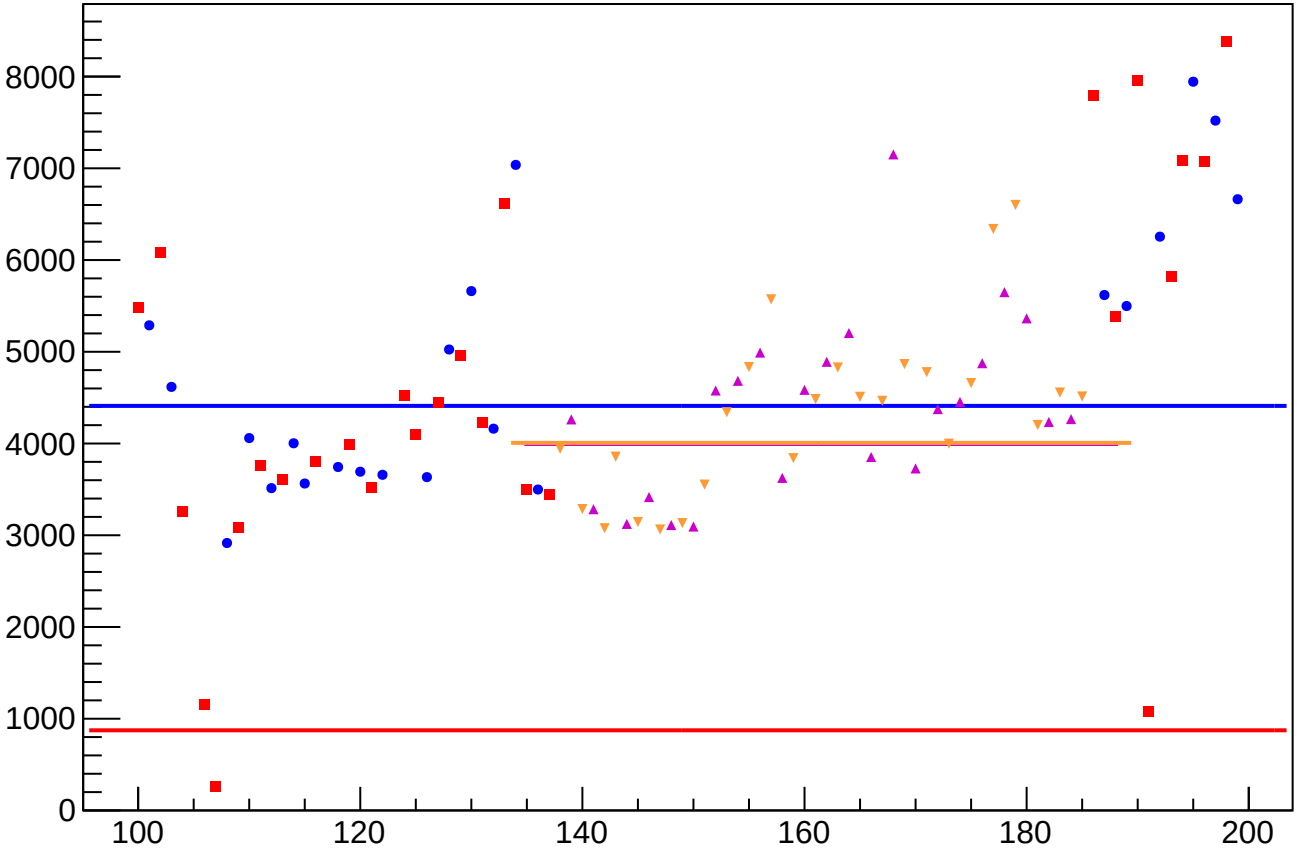
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign -60.699+/-770.836 χ^2/NDF: 50.4/46

All: -108.848+/-381.133 χ^2/NDF: 95.0/96

- sign -124.428+/-438.481 χ^2/NDF: 44.6/49

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4410.175+/-0.963 χ^2/NDF: 1816539.8/21

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 873.667+/-0.349 χ^2/NDF: 18437769.4/26

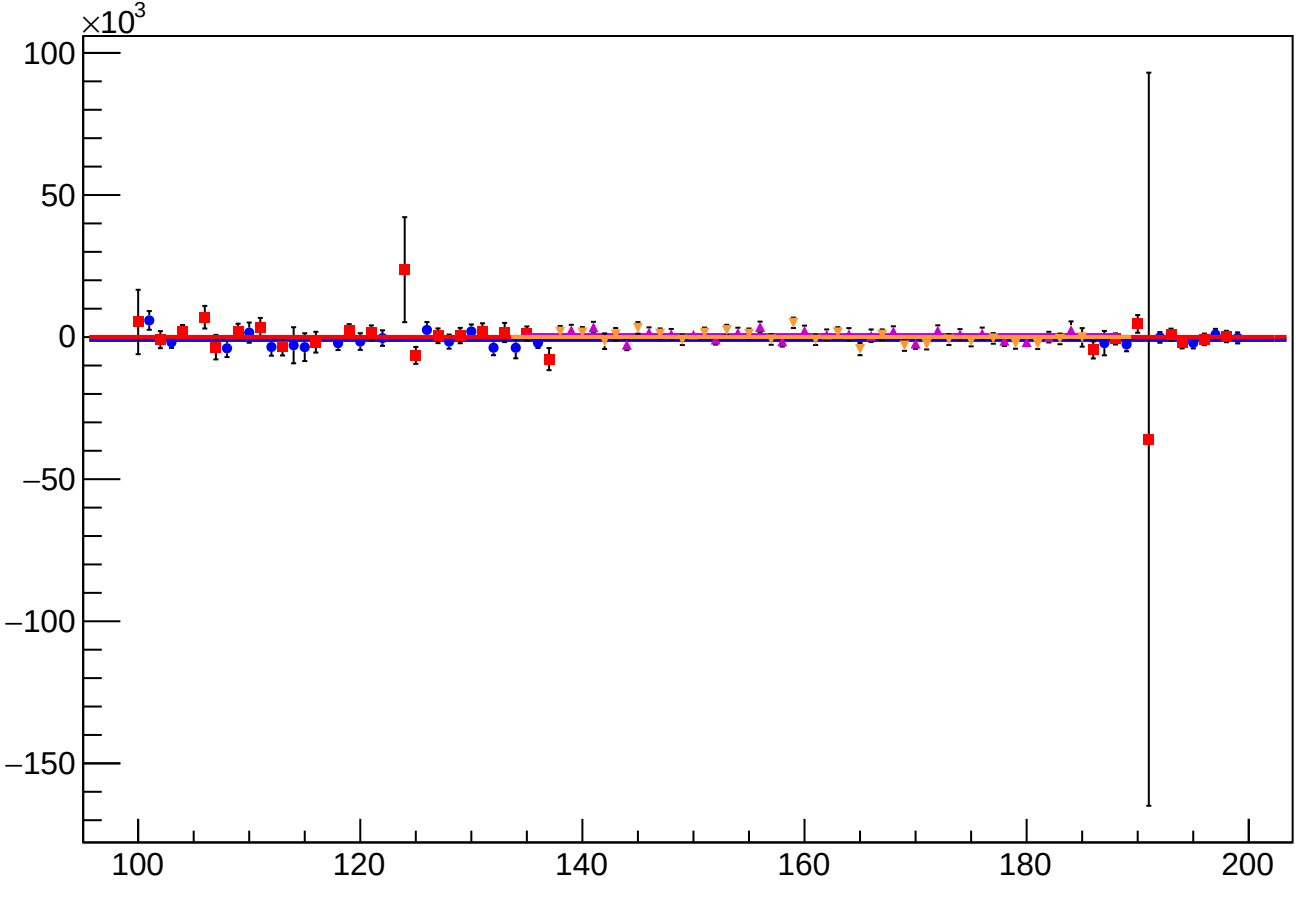
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4136.229+/-0.545 χ^2/NDF: 3439379.1/46

All: 2166.973+/-0.270 χ^2/NDF: 57516770.8/9

- sign 1529.766+/-0.310 χ^2/NDF: 36800732.4/49

cor_asym_atl1r2_dd_mean vs Slug



Right In: -986.452+/-546.574 χ^2/NDF: 14.2/21

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 73.398+/-536.988 χ^2/NDF: 26.6/26

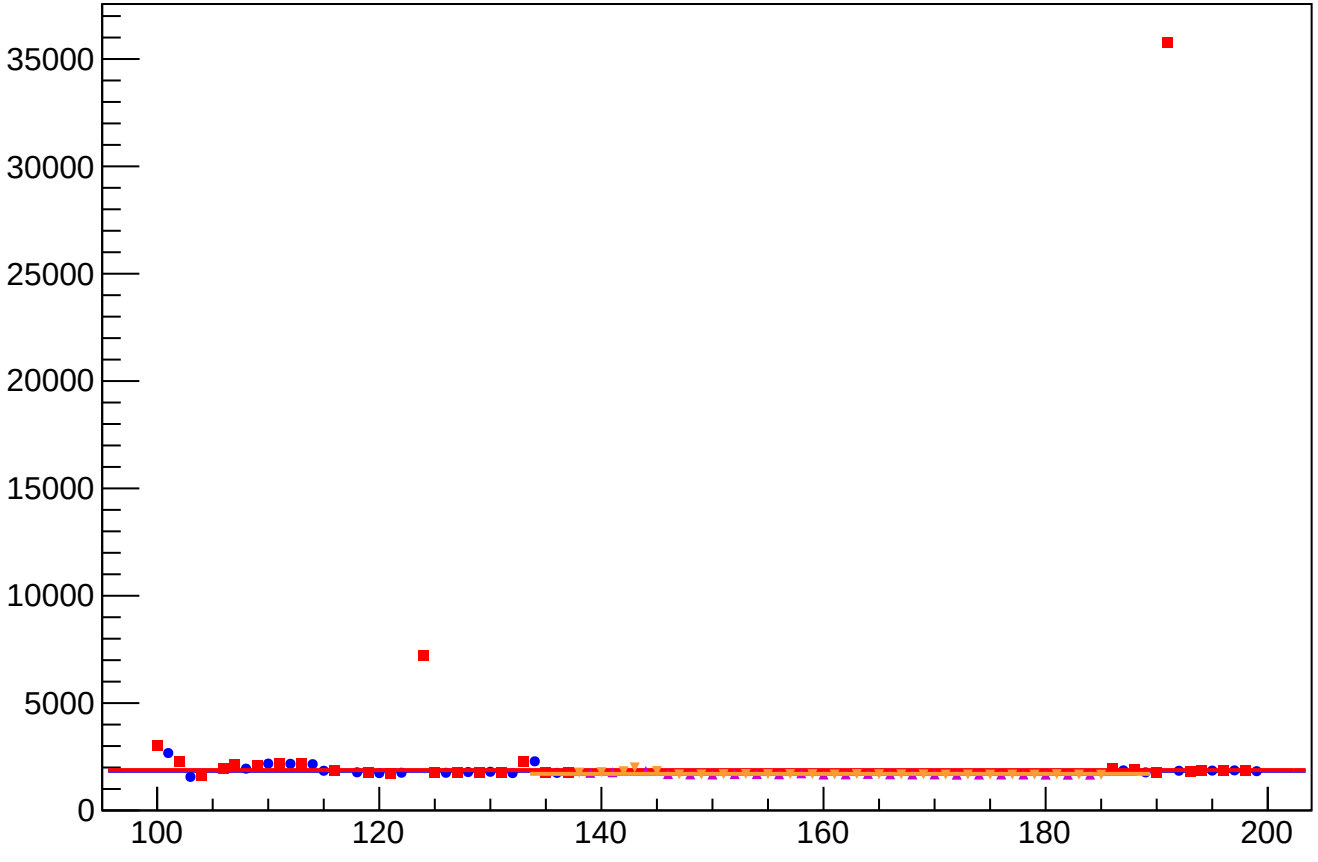
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -314.806+/-316.242 χ^2/NDF: 46.0/46

All: 84.913+/-224.566 χ^2/NDF: 95.8/96

- sign 491.493+/-318.944 χ^2/NDF: 46.6/49

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1847.132+/-0.386 χ^2/NDF: 262326.2/21

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1878.864+/-0.379 χ^2/NDF: 511271.9/26

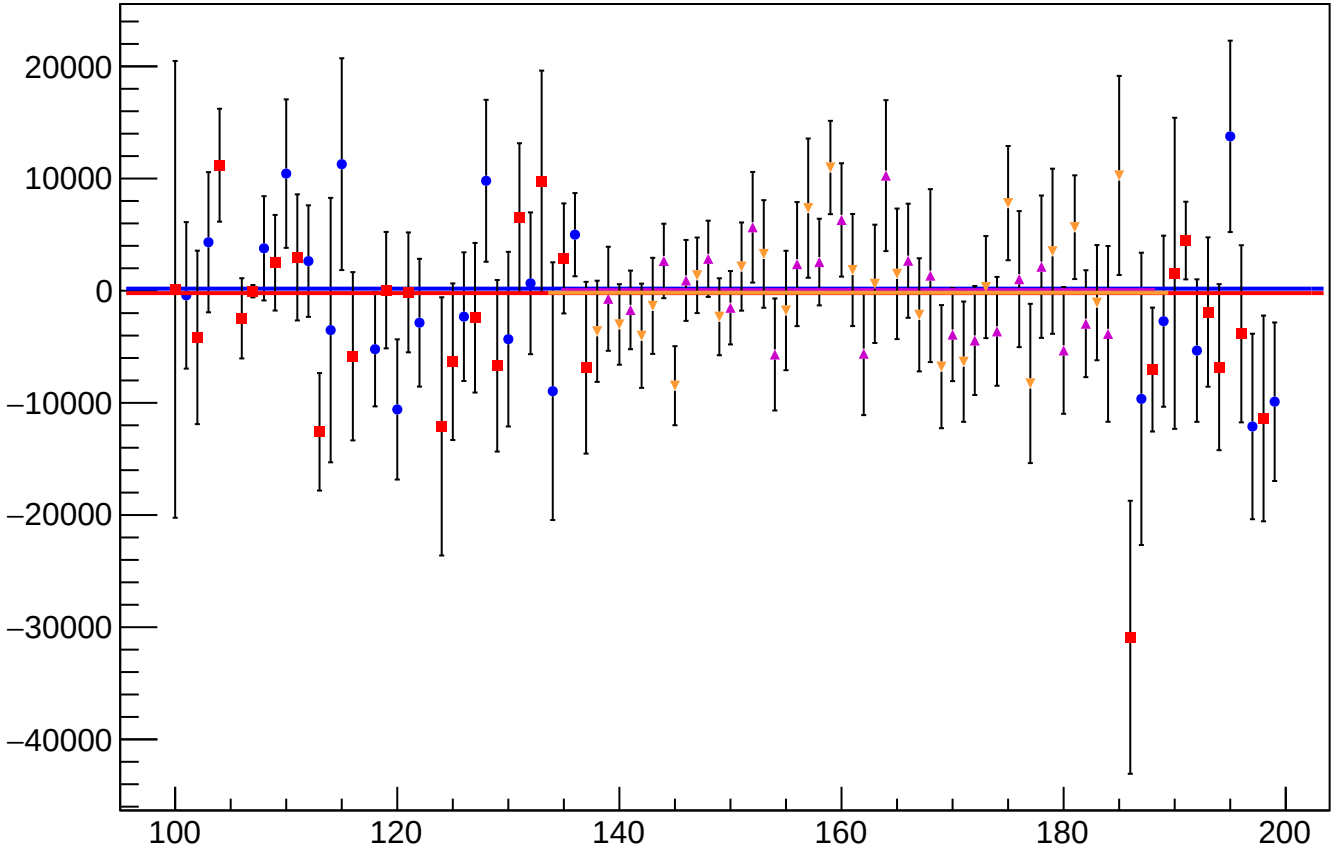
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1753.003+/-0.224 χ^2/NDF: 411422.1/46

All: 1757.262+/-0.159 χ^2/NDF: 1092438.8/96

- sign 1761.591+/-0.225 χ^2/NDF: 680285.3/49

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 183.217+/-1361.533 χ^2/NDF: 22.4/21

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -215.584+/-499.544 χ^2/NDF: 30.9/26

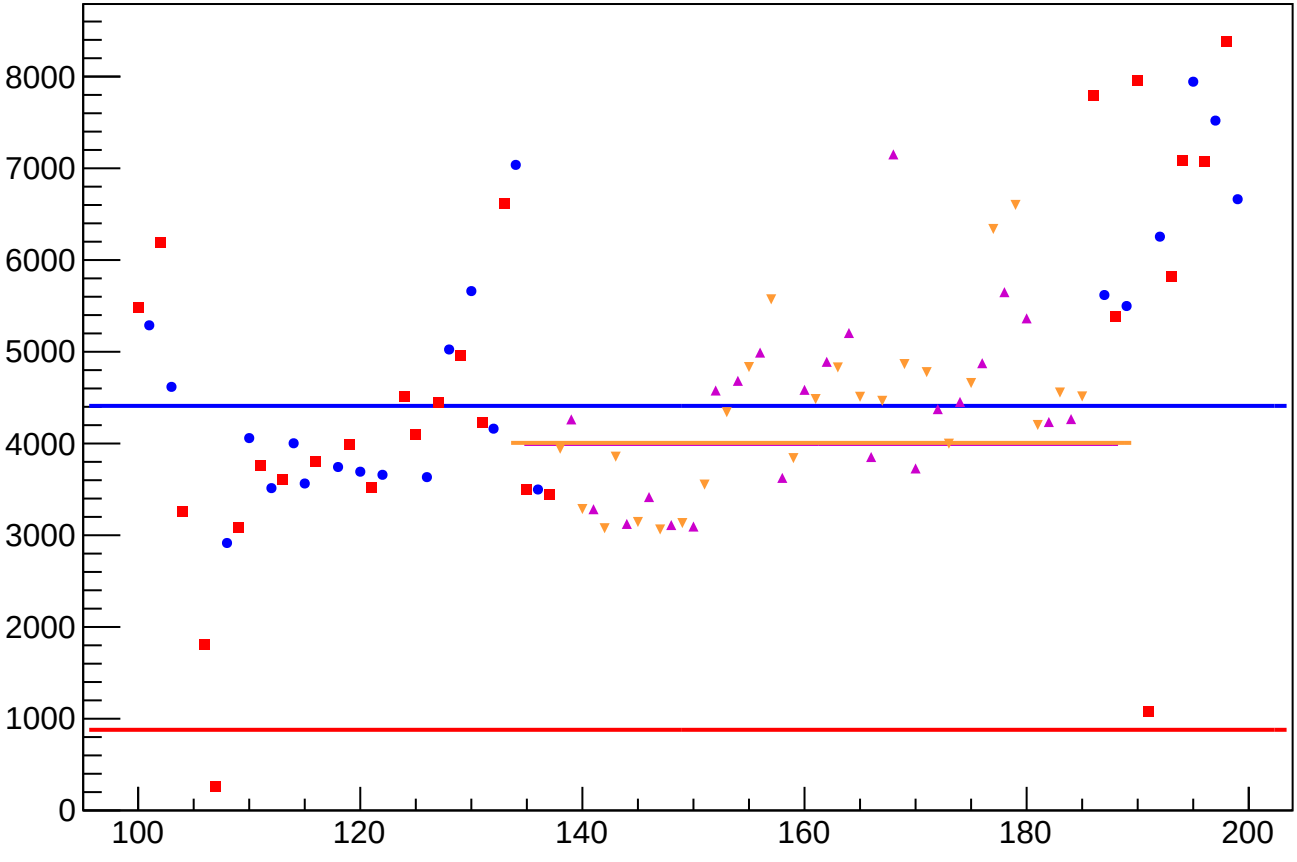
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -60.694+/-770.836 χ^2/NDF: 50.4/46

All: -133.325+/-383.947 χ^2/NDF: 95.6/96

- sign -157.290+/-442.782 χ^2/NDF: 45.2/49

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4410.185+/-0.963 χ^2/NDF: 1816559.5/21

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 879.133+/-0.353 χ^2/NDF: 18557434.2/26

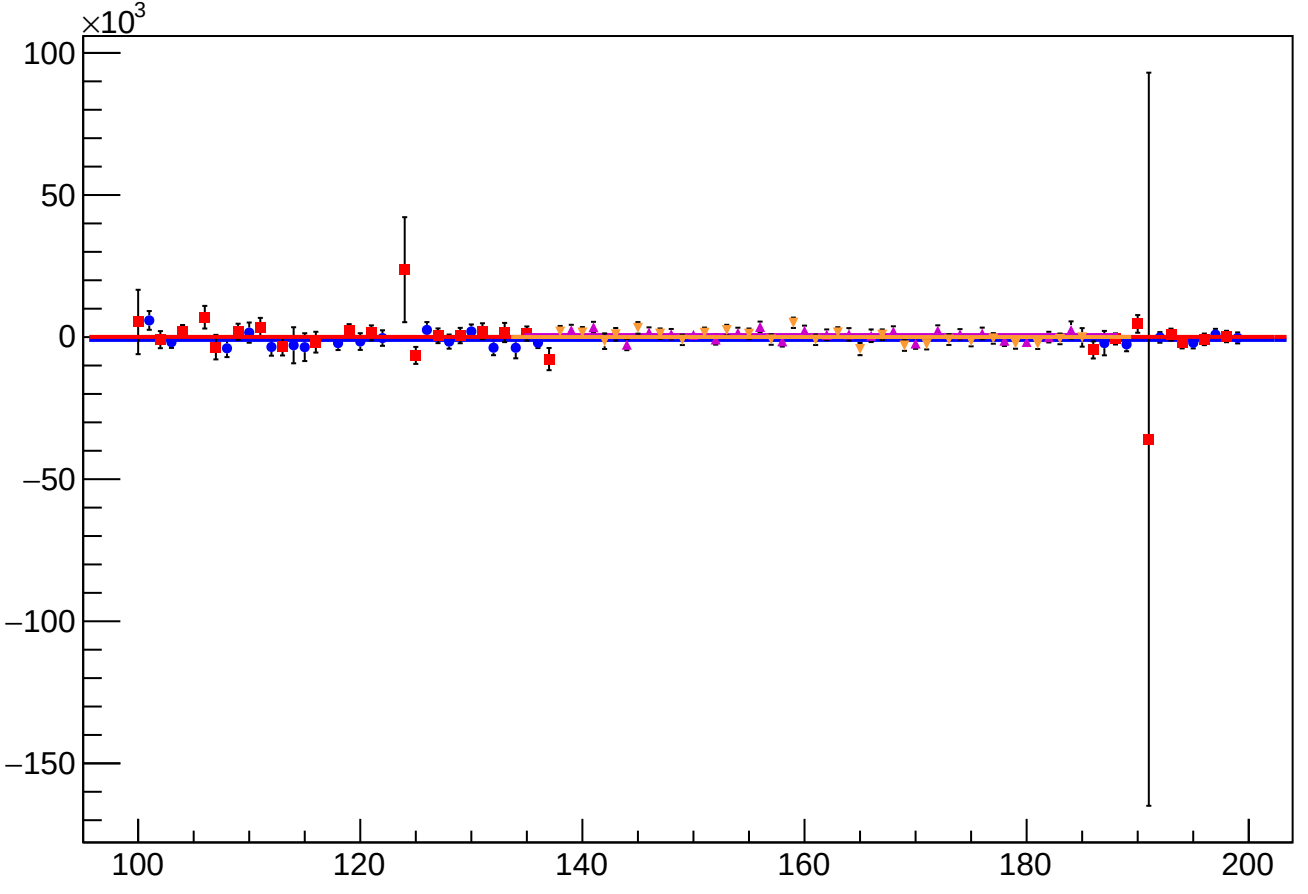
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4136.226+/-0.545 χ^2/NDF: 3439430.0/46

All: 2189.372+/-0.271 χ^2/NDF: 57180173.7/9

- sign 1546.995+/-0.313 χ^2/NDF: 36773541.5/49

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -986.452+/-546.574 χ^2/NDF: 14.2/21

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 73.398+/-536.988 χ^2/NDF: 26.6/26

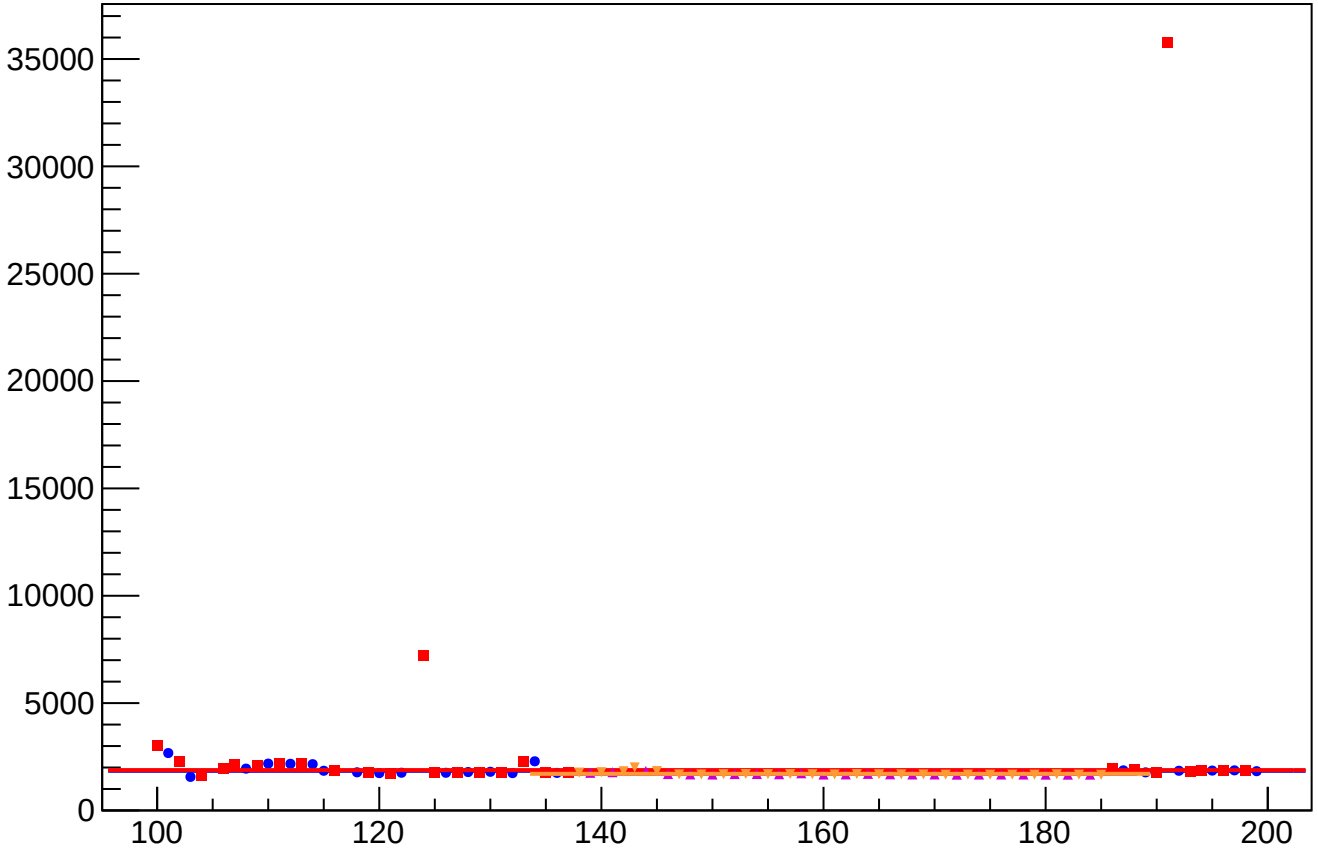
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -314.806+/-316.242 χ^2/NDF: 46.0/46

All: 84.913+/-224.566 χ^2/NDF: 95.8/96

- sign 491.493+/-318.944 χ^2/NDF: 46.6/49

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1847.132+/-0.386 χ^2/NDF: 262326.2/21

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

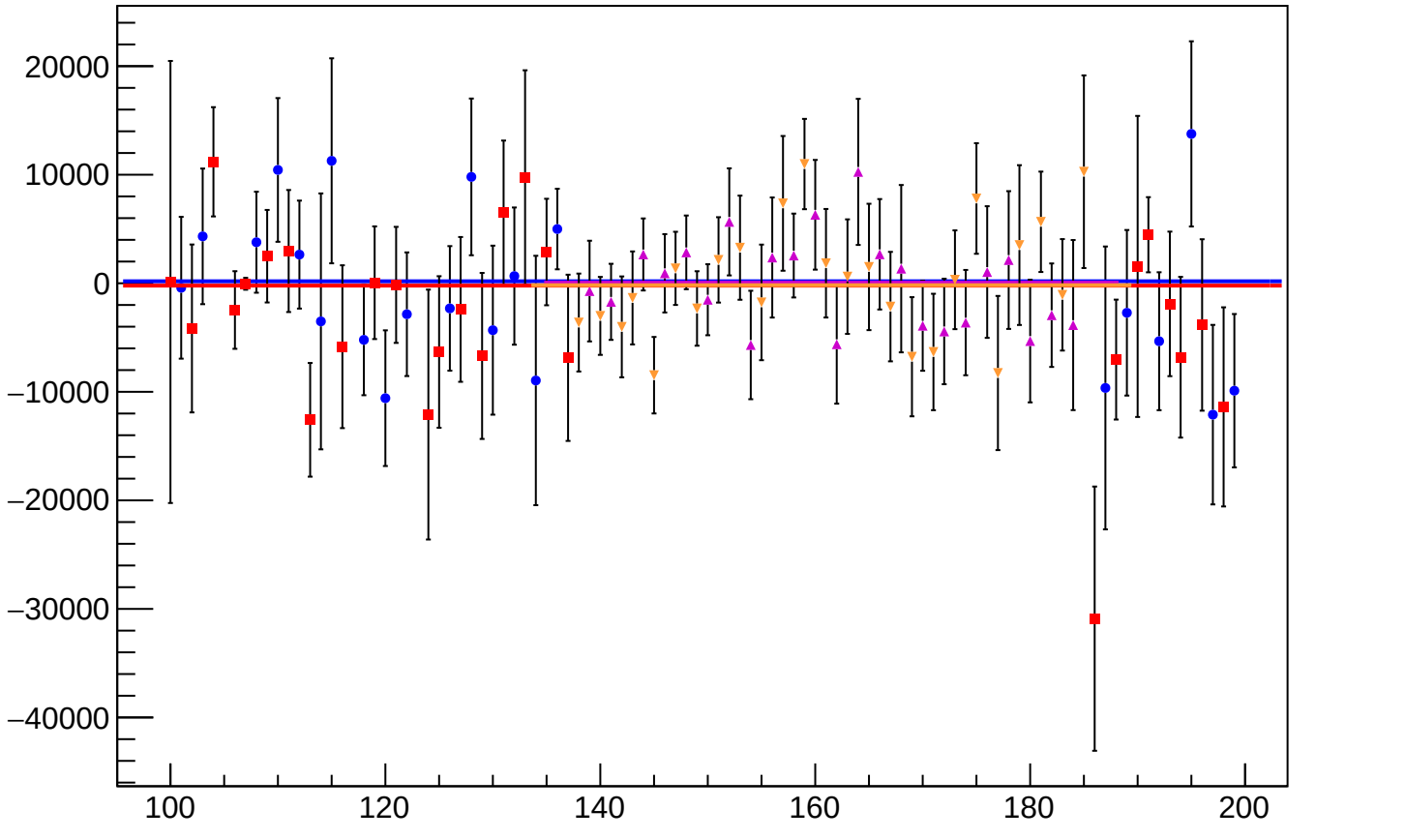
Right Out: 1878.864+/-0.379 χ^2/NDF: 511271.9/26

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1753.003+/-0.224 χ^2/NDF: 411422.1/46

All: 1757.262+/-0.159 χ^2/NDF: 1092438.8/96

- sign 1761.591+/-0.225 χ^2/NDF: 680285.3/49



Right In: 183.217+/-1361.533 χ^2/NDF: 22.4/21

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -215.584+/-499.544 χ^2/NDF: 30.9/26

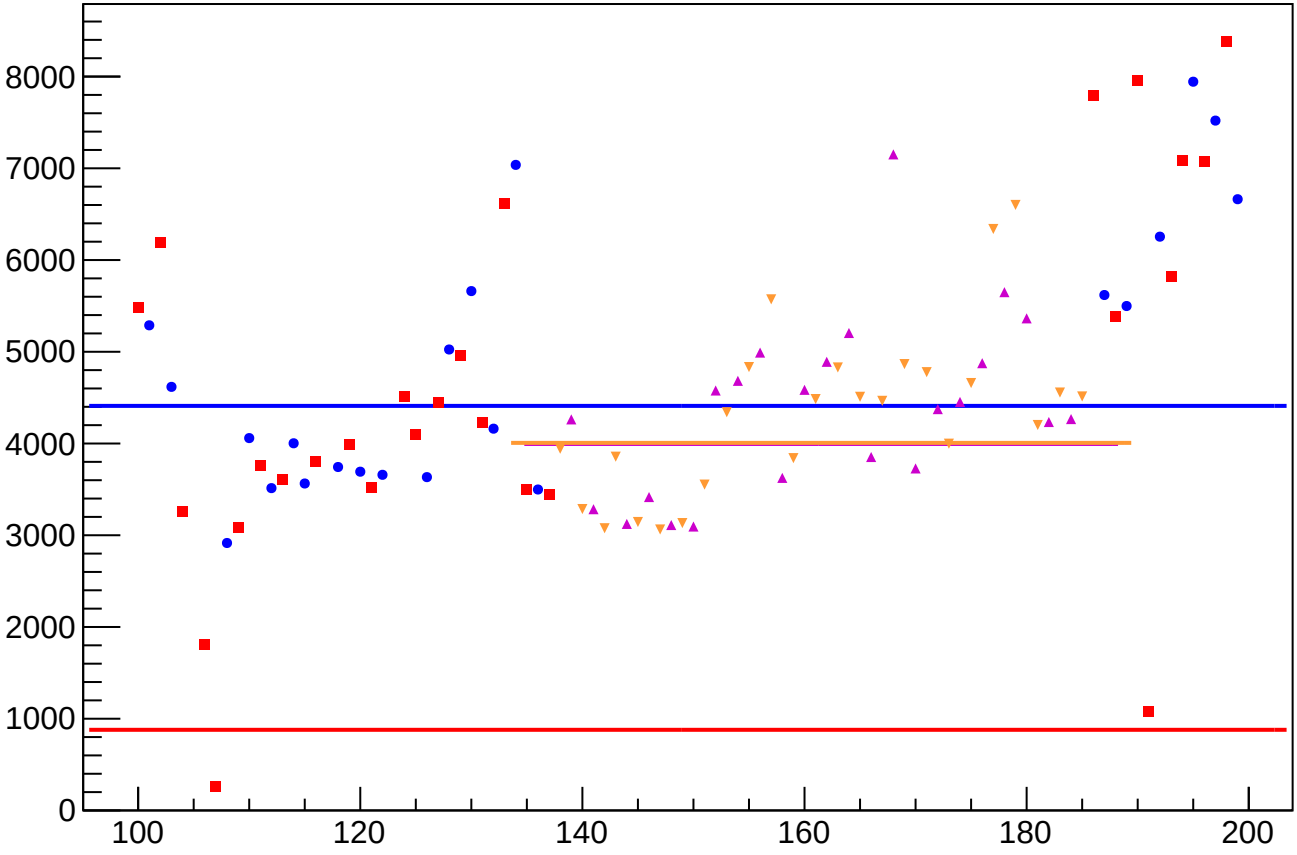
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -60.694+/-770.836 χ^2/NDF: 50.4/46

All: -133.325+/-383.947 χ^2/NDF: 95.6/96

- sign -157.290+/-442.782 χ^2/NDF: 45.2/49

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4410.185+/-0.963 χ^2/NDF: 1816559.5/21

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 879.133+/-0.353 χ^2/NDF: 18557434.2/26

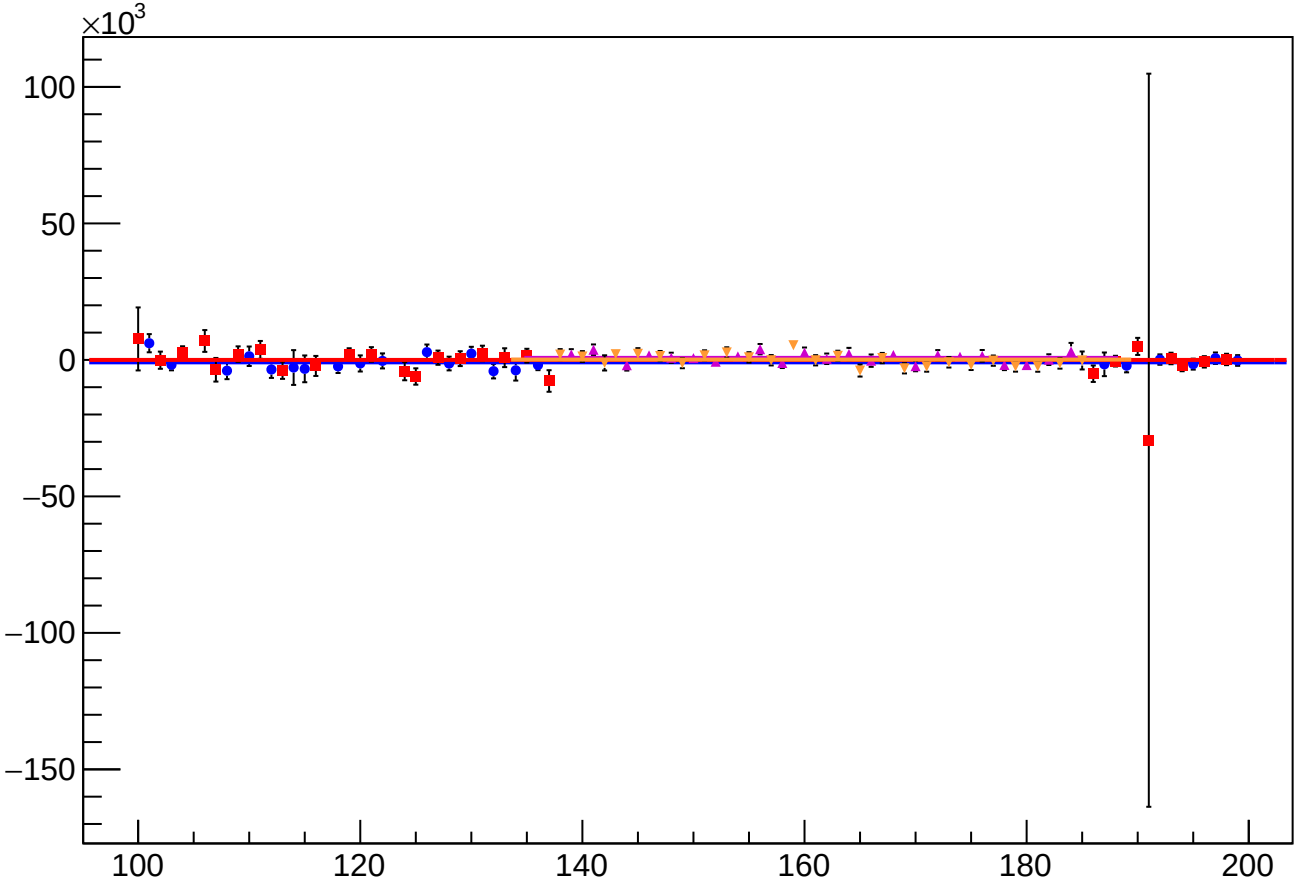
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4136.226+/-0.545 χ^2/NDF: 3439430.0/46

All: 2189.372+/-0.271 χ^2/NDF: 57180173.7/9

- sign 1546.995+/-0.313 χ^2/NDF: 36773541.5/49

dit_asym_atl1r2_dd_mean vs Slug



Right In: -893.226+/-552.619 χ^2/NDF: 14.6/21

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -7.450+/-537.501 χ^2/NDF: 28.0/26

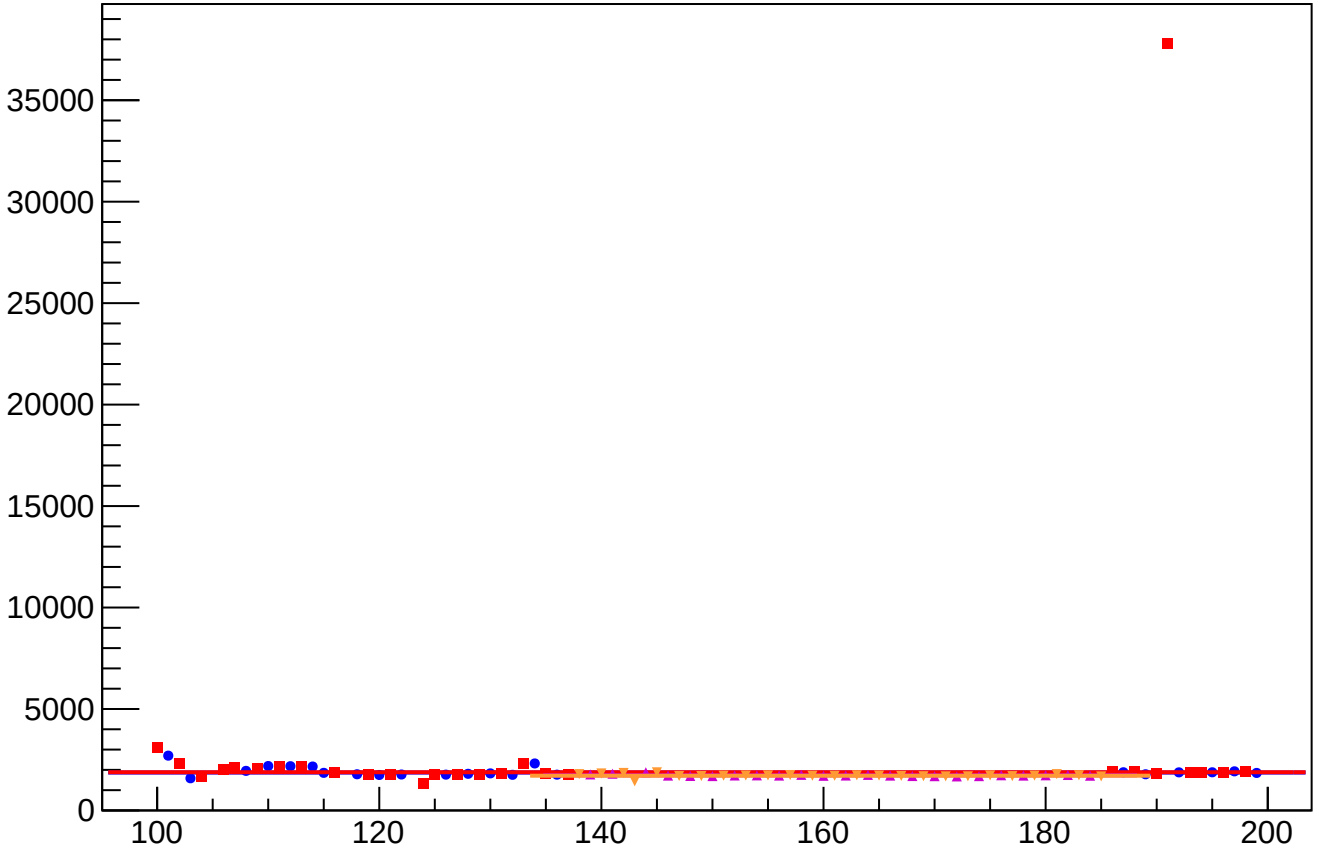
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -216.267+/-318.345 χ^2/NDF: 46.5/46

All: 122.245+/-226.742 χ^2/NDF: 97.0/96

- sign 470.795+/-323.030 χ^2/NDF: 48.2/49

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1867.357+/-0.391 χ^2/NDF: 260626.9/21

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1883.248+/-0.380 χ^2/NDF: 409076.4/26

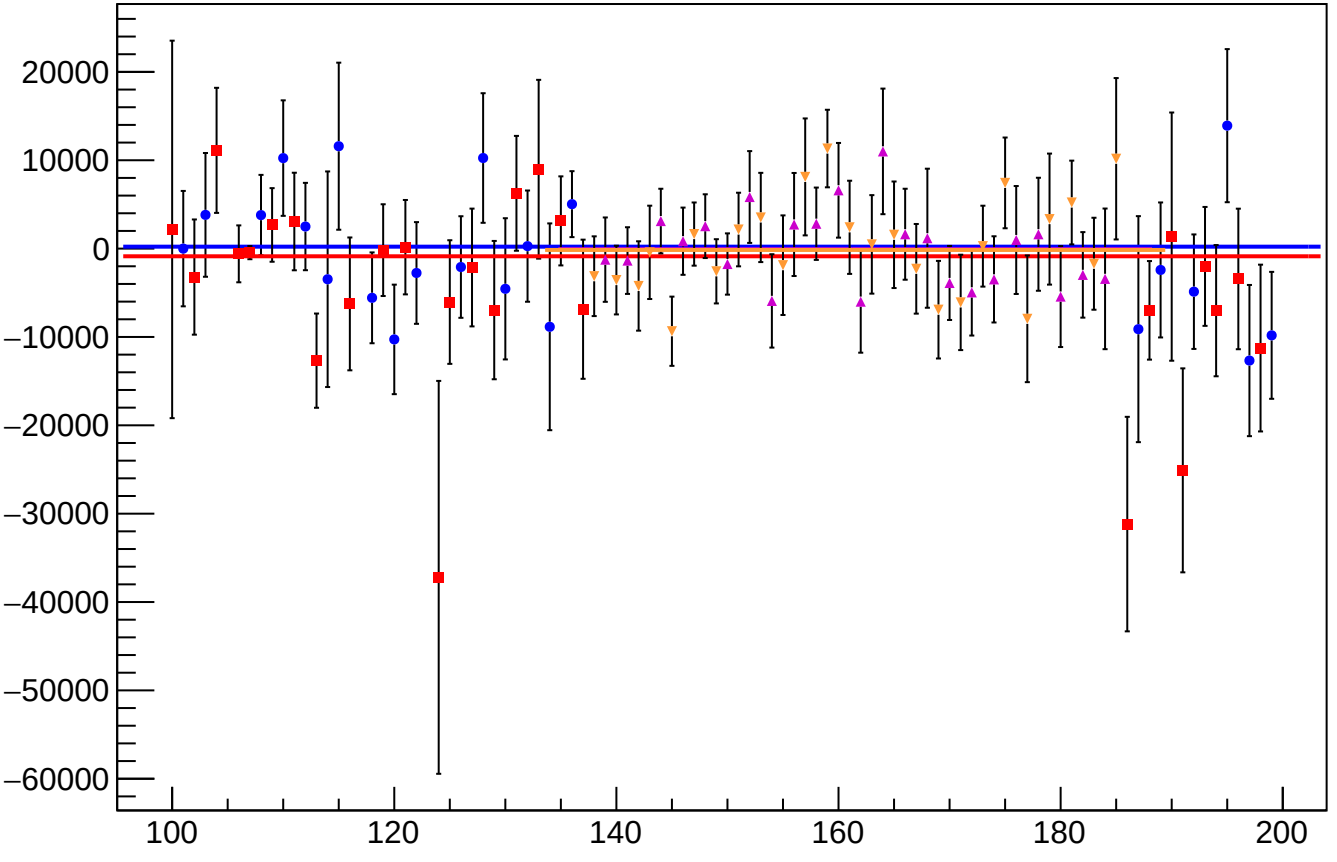
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1763.762+/-0.225 χ^2/NDF: 460217.5/46

All: 1774.525+/-0.160 χ^2/NDF: 1000468.0/96

- sign 1785.603+/-0.228 χ^2/NDF: 535611.3/49

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 219.660+/-1372.689 χ^2/NDF: 22.0/21

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -868.836+/-642.184 χ^2/NDF: 31.2/26

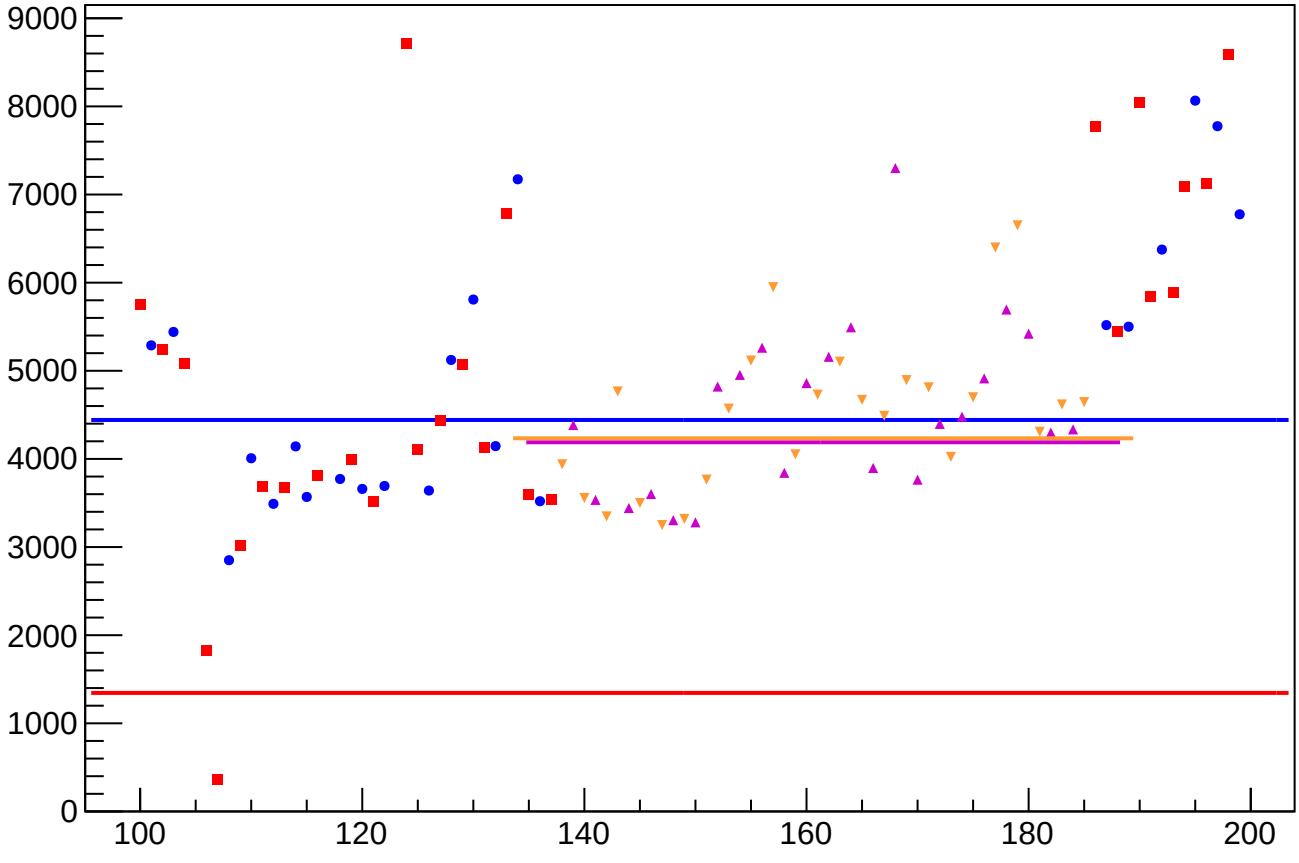
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign -24.469+/-800.274 χ^2/NDF: 48.9/46

All: -443.265+/-447.839 χ^2/NDF: 95.0/96

- sign -634.213+/-540.374 χ^2/NDF: 45.6/49

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4442.057+/-0.971 χ^2/NDF: 1964426.4/21

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1344.929+/-0.454 χ^2/NDF: 16635012.0/26

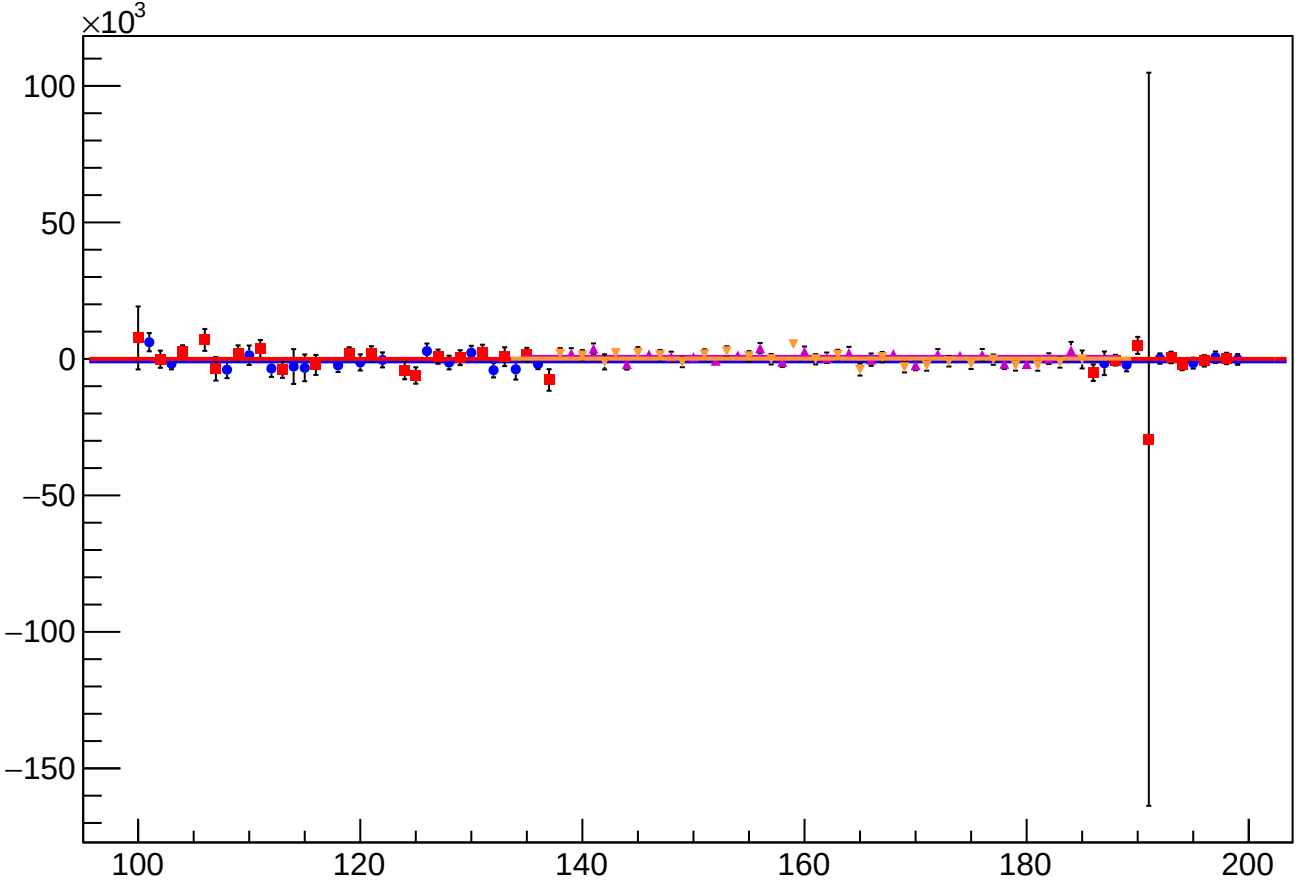
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4304.653+/-0.566 χ^2/NDF: 3279566.9/46

All: 2842.055+/-0.317 χ^2/NDF: 42436609.5/9

- sign 2175.194+/-0.382 χ^2/NDF: 29430767.4/49

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -893.229+/-552.619 χ^2/NDF: 14.6/21

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -7.448+/-537.501 χ^2/NDF: 28.0/26

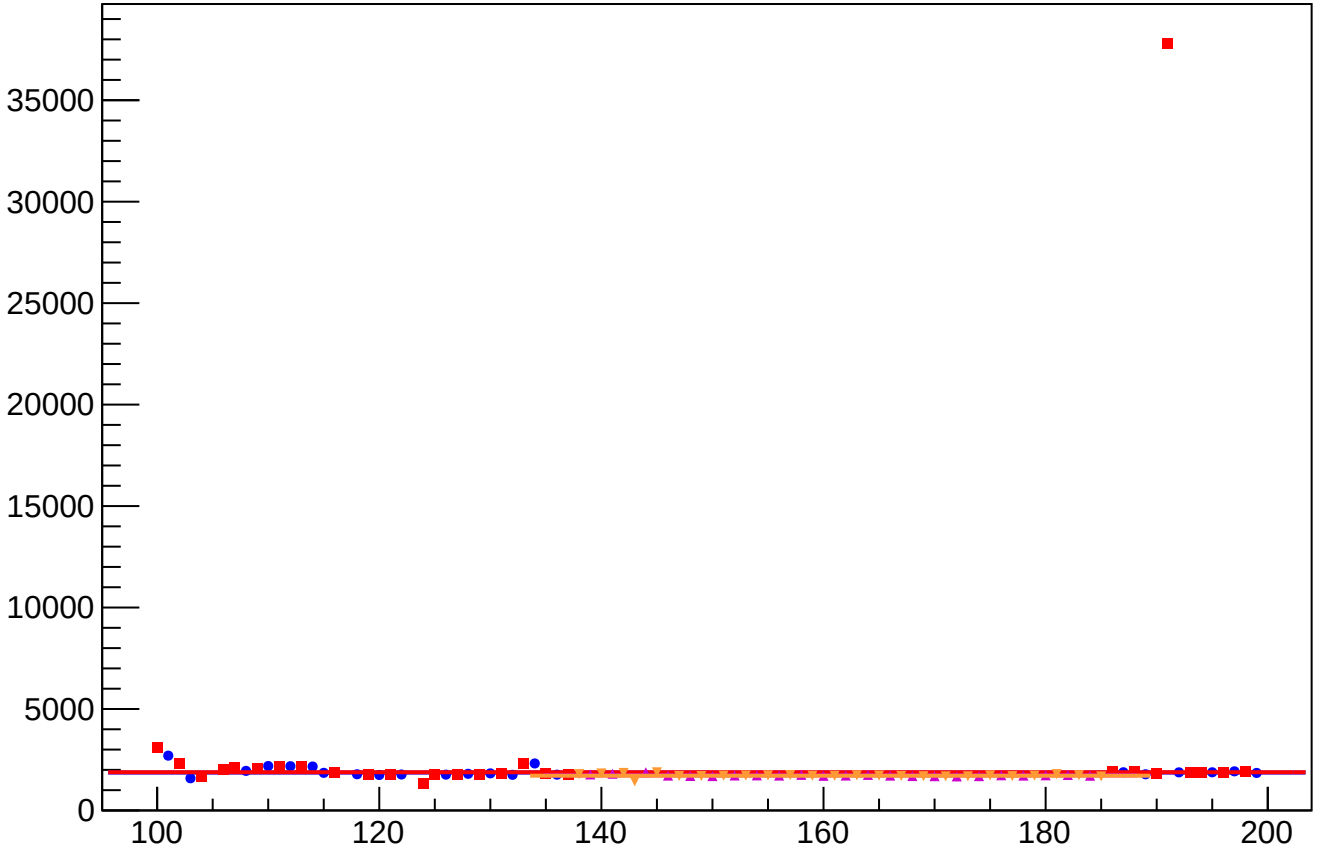
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -216.267+/-318.345 χ^2/NDF: 46.5/46

All: 122.245+/-226.742 χ^2/NDF: 97.0/96

- sign 470.795+/-323.030 χ^2/NDF: 48.2/49

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1867.357+/-0.391 χ^2/NDF: 260626.8/21

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

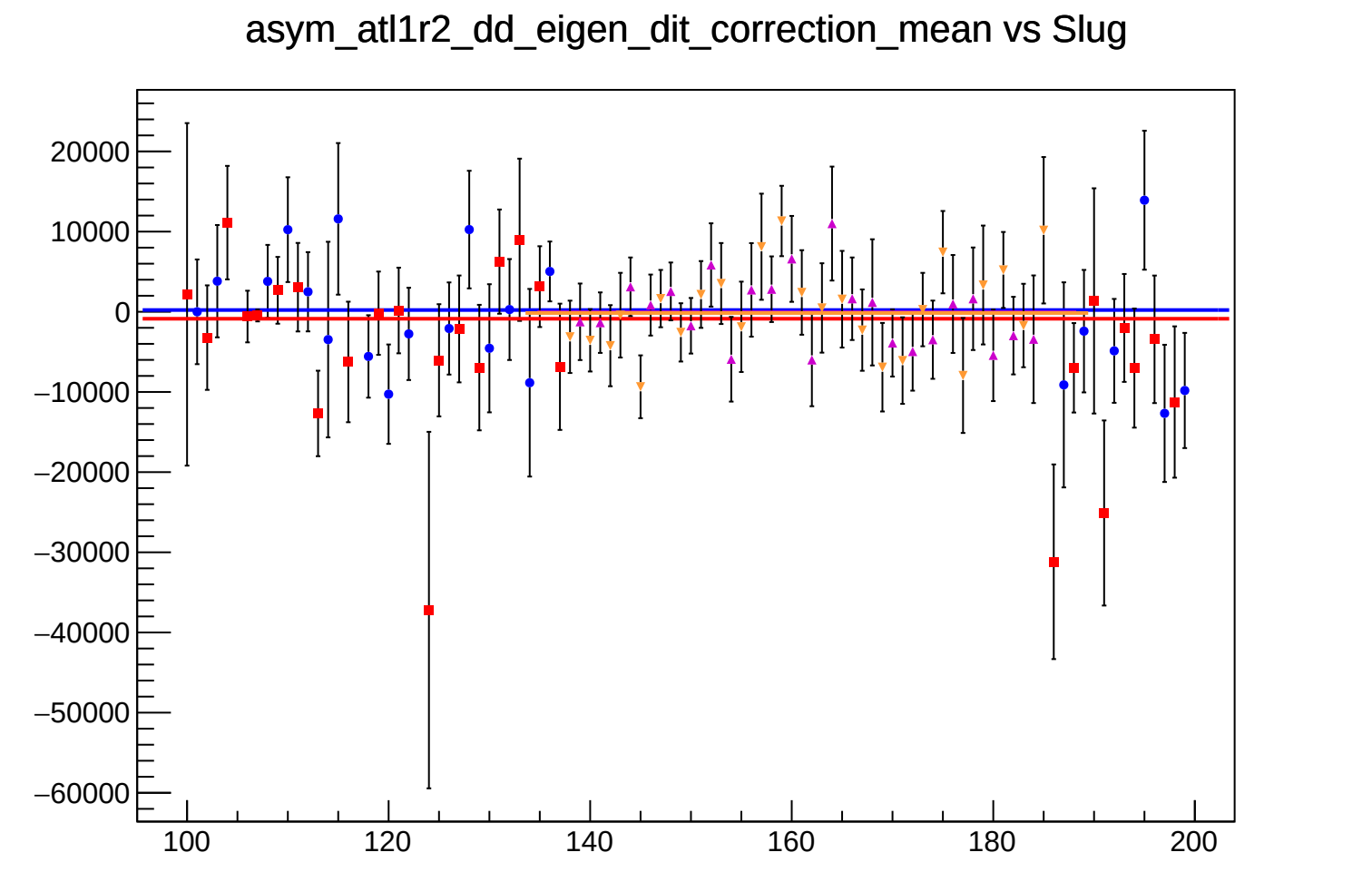
Right Out: 1883.248+/-0.380 χ^2/NDF: 409076.8/26

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1763.763+/-0.225 χ^2/NDF: 460215.5/46

All: 1774.526+/-0.160 χ^2/NDF: 1000465.6/96

- sign 1785.604+/-0.228 χ^2/NDF: 535611.0/49



Right In: 219.647+/-1372.687 χ^2/NDF: 22.0/21

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -868.855+/-642.194 χ^2/NDF: 31.2/26

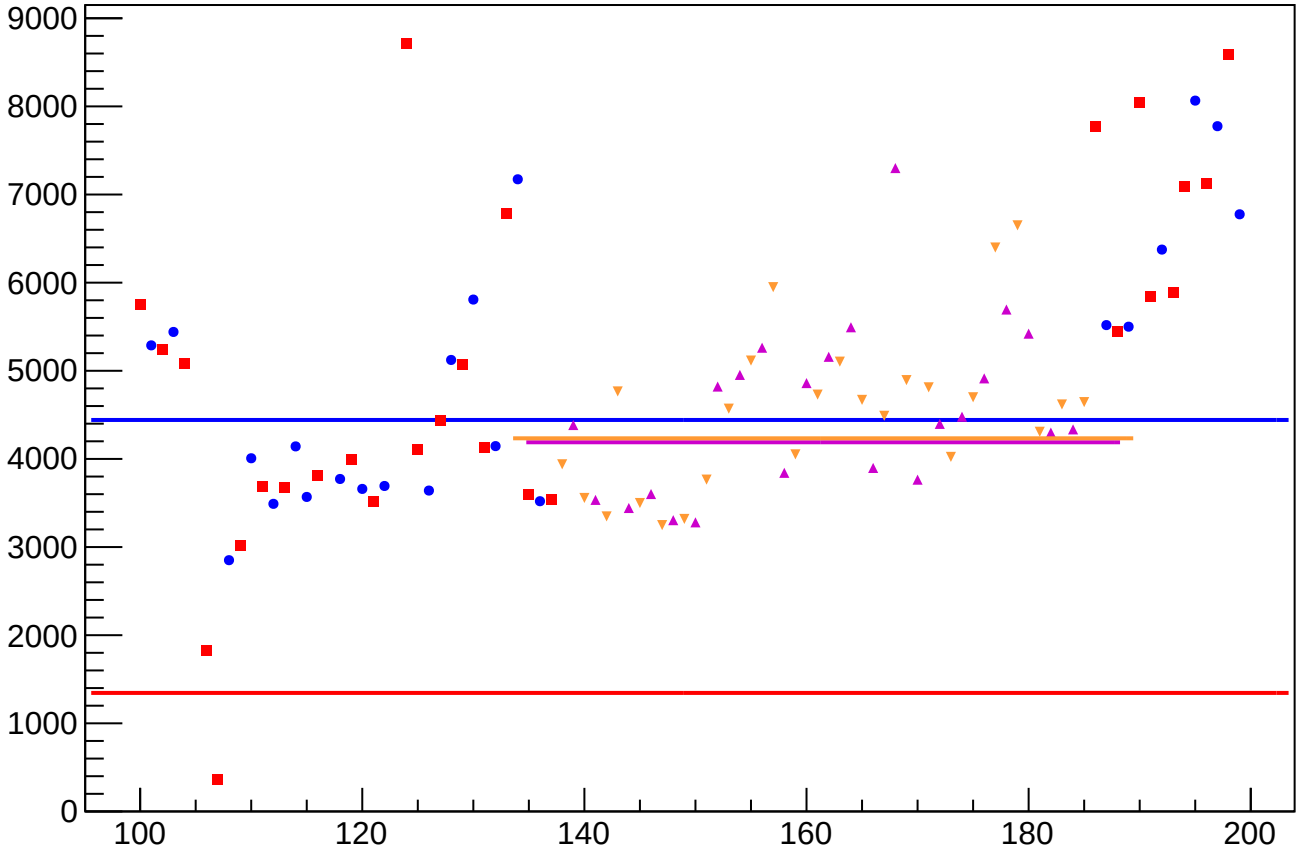
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign -24.473+/-800.274 χ^2/NDF: 48.9/46

All: -443.270+/-447.843 χ^2/NDF: 95.0/96

- sign -634.222+/-540.380 χ^2/NDF: 45.6/49

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4442.051+/-0.971 χ^2/NDF: 1964434.8/21

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1344.966+/-0.454 χ^2/NDF: 16634796.9/26

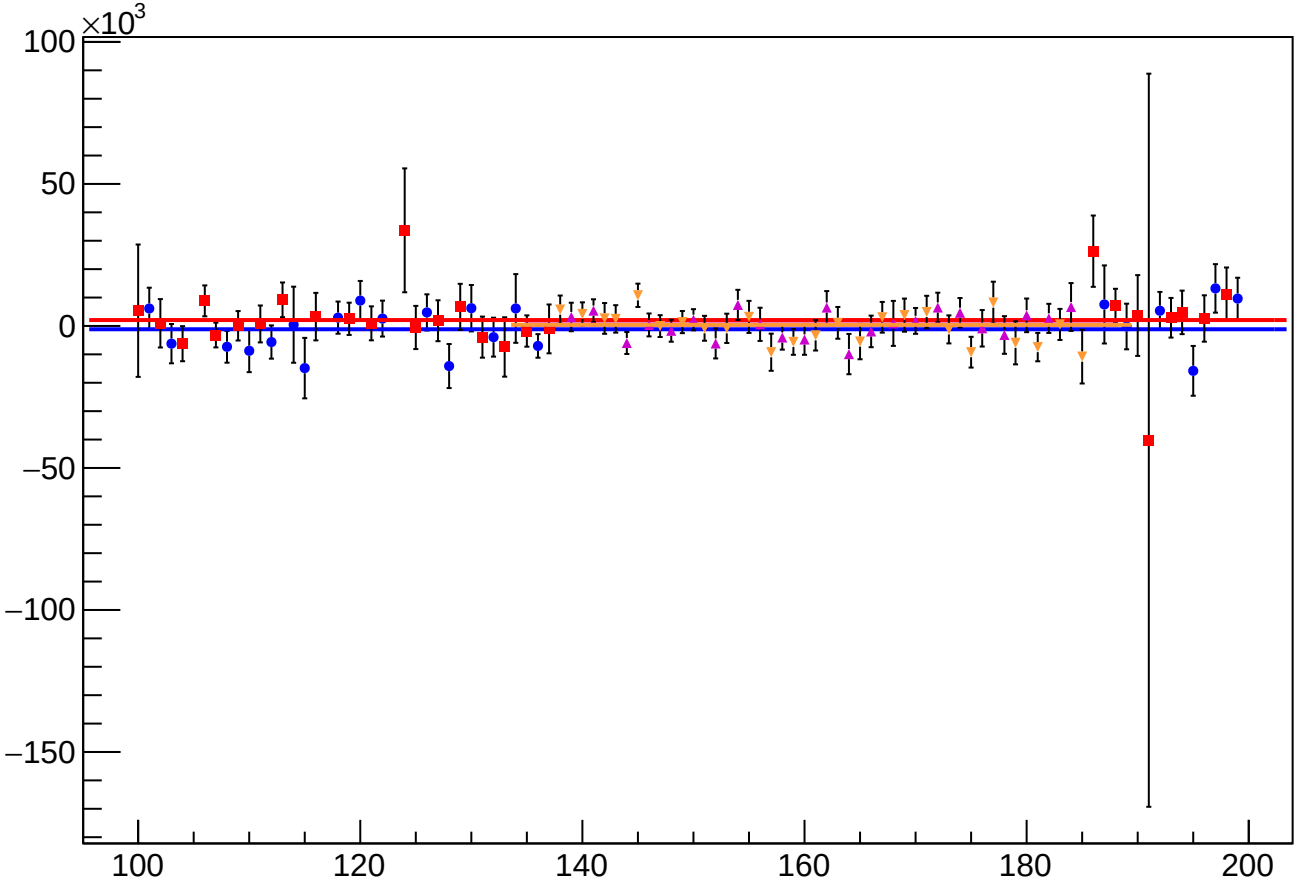
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4304.655+/-0.566 χ^2/NDF: 3279574.3/46

All: 2842.097+/-0.317 χ^2/NDF: 42435554.6/9

- sign 2175.239+/-0.382 χ^2/NDF: 29430174.2/49

asym_atl1r2_dd_mean vs Slug



Right In: -1167.207+/-1505.477 χ^2/NDF: 25.2/21

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 2075.790+/-1384.090 χ^2/NDF: 16.8/26

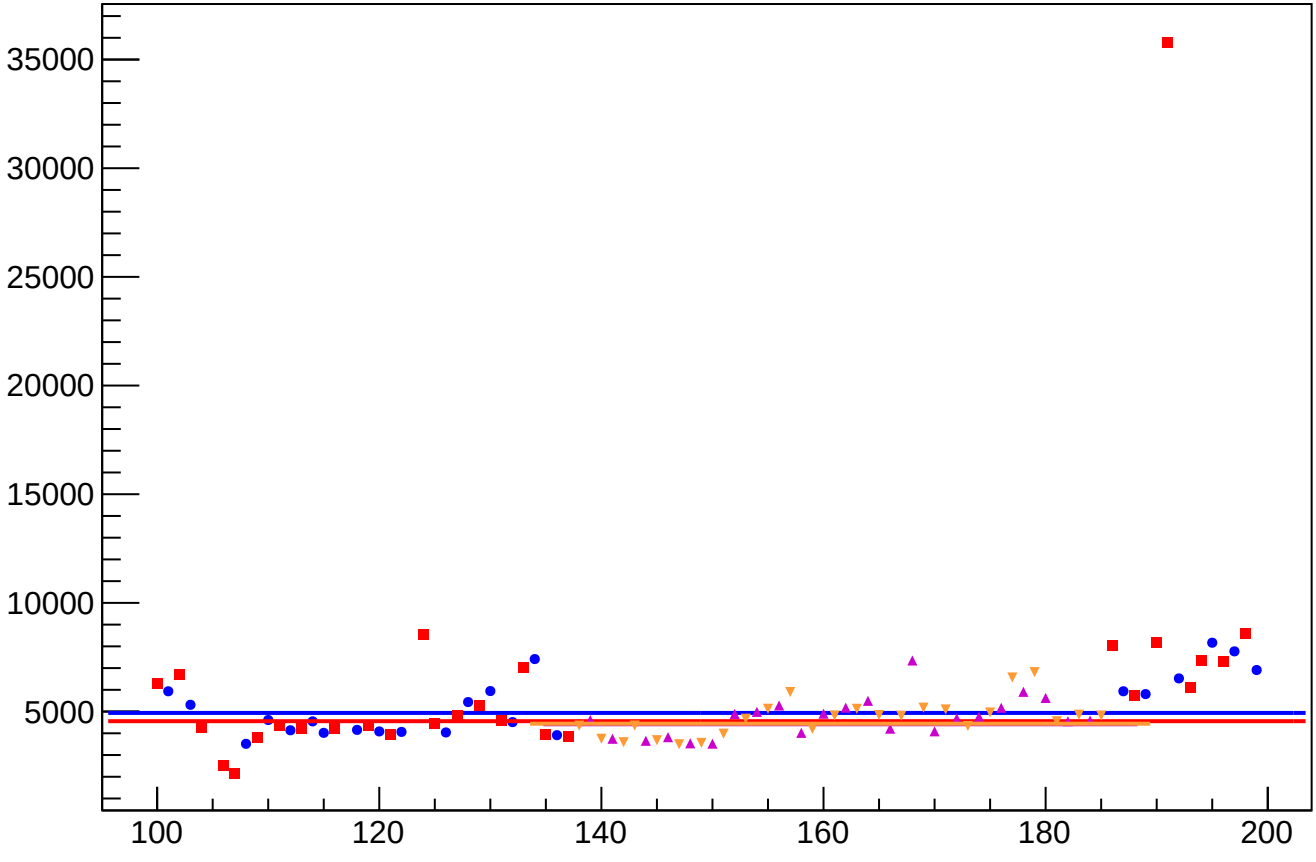
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -99.788+/-849.200 χ^2/NDF: 50.7/46

All: 497.715+/-595.886 χ^2/NDF: 86.7/96

- sign 1077.292+/-836.365 χ^2/NDF: 35.0/49

asym_atl1r2_dd_rms vs Slug



Right In: 4937.203+/-1.065 χ^2/NDF: 1412974.5/21

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4557.250+/-0.971 χ^2/NDF: 2869337.0/26

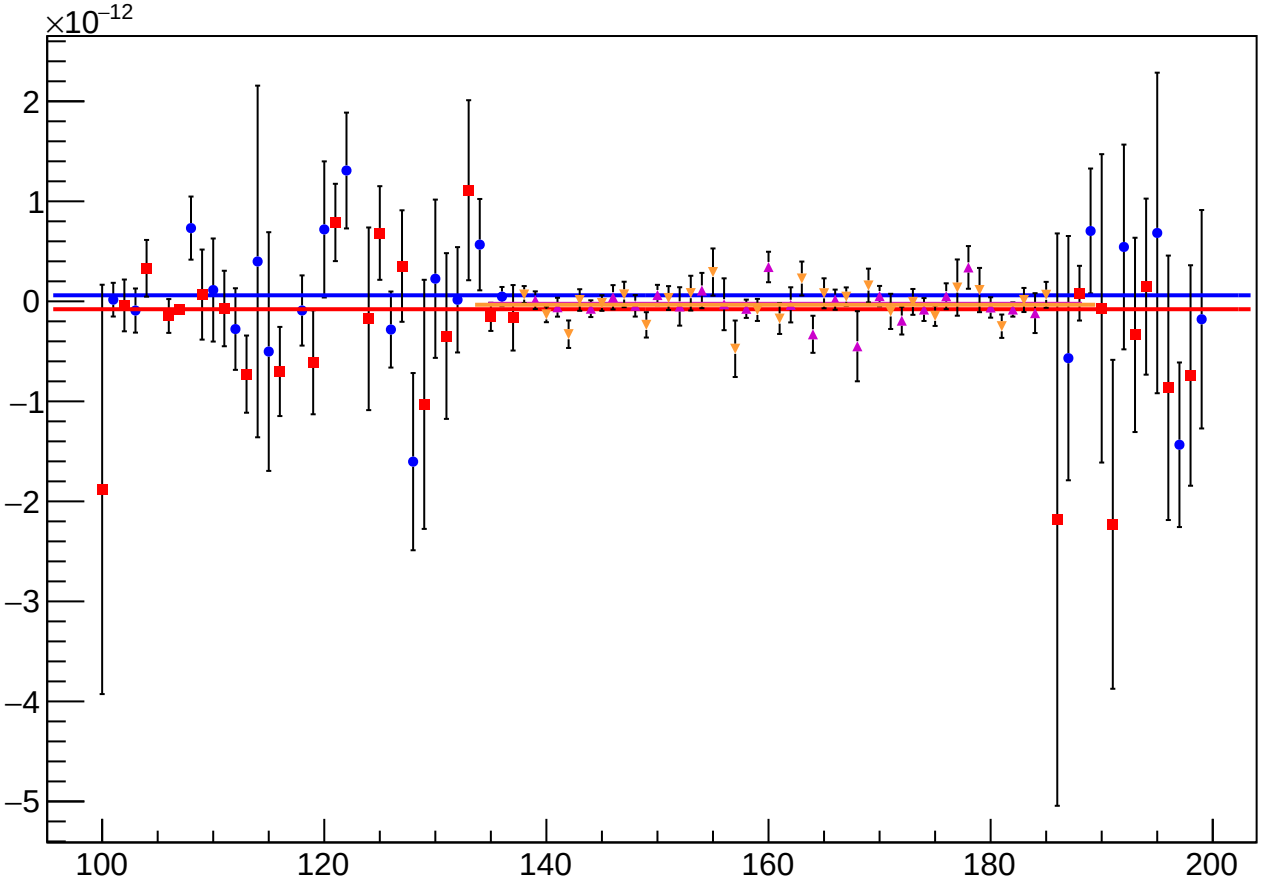
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4598.752+/-0.600 χ^2/NDF: 2634346.3/46

All: 4532.036+/-0.421 χ^2/NDF: 6652820.9/96

- 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: 22.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/26

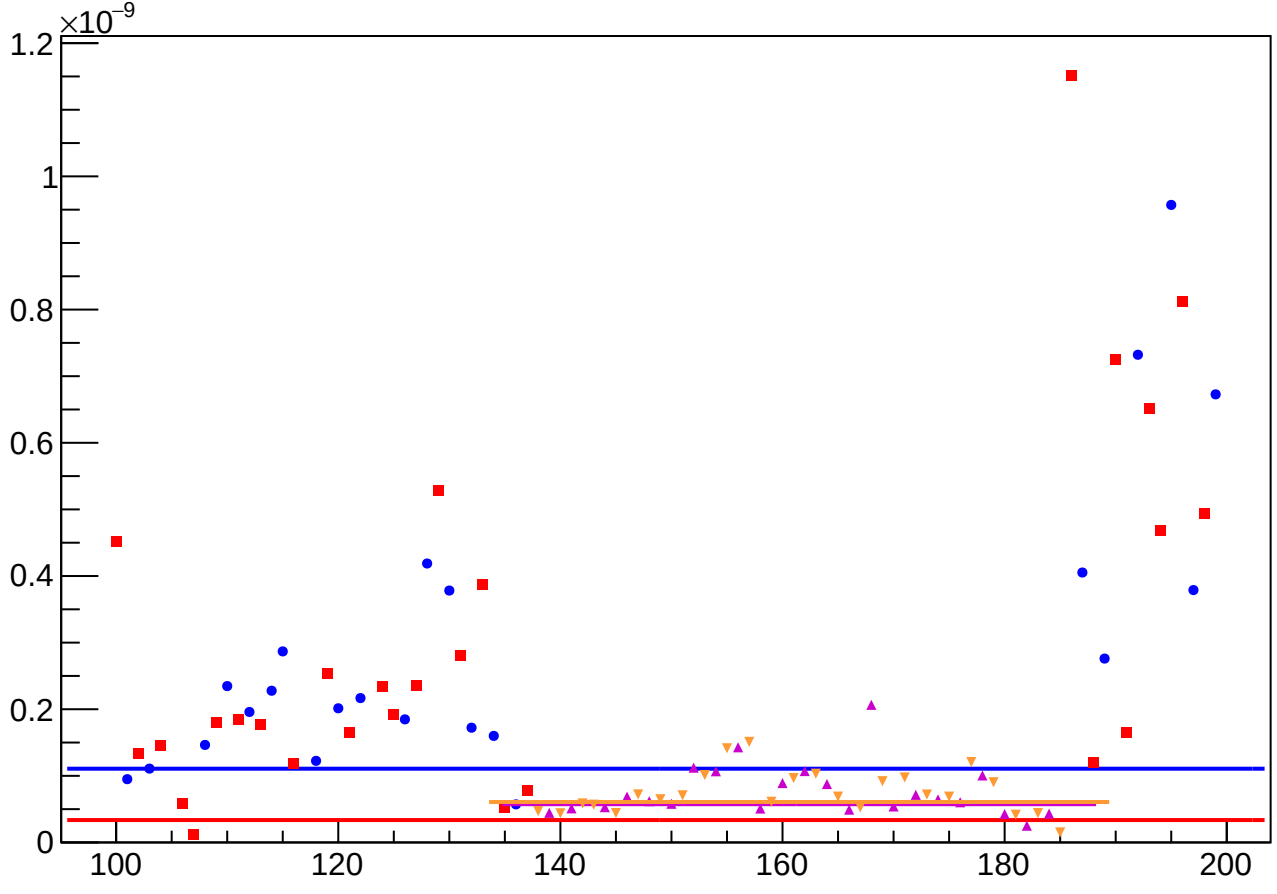
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/46

All: -0.000+/-0.000 χ^2/NDF: 97.7/96

- 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: 3910733.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7652431.6/26

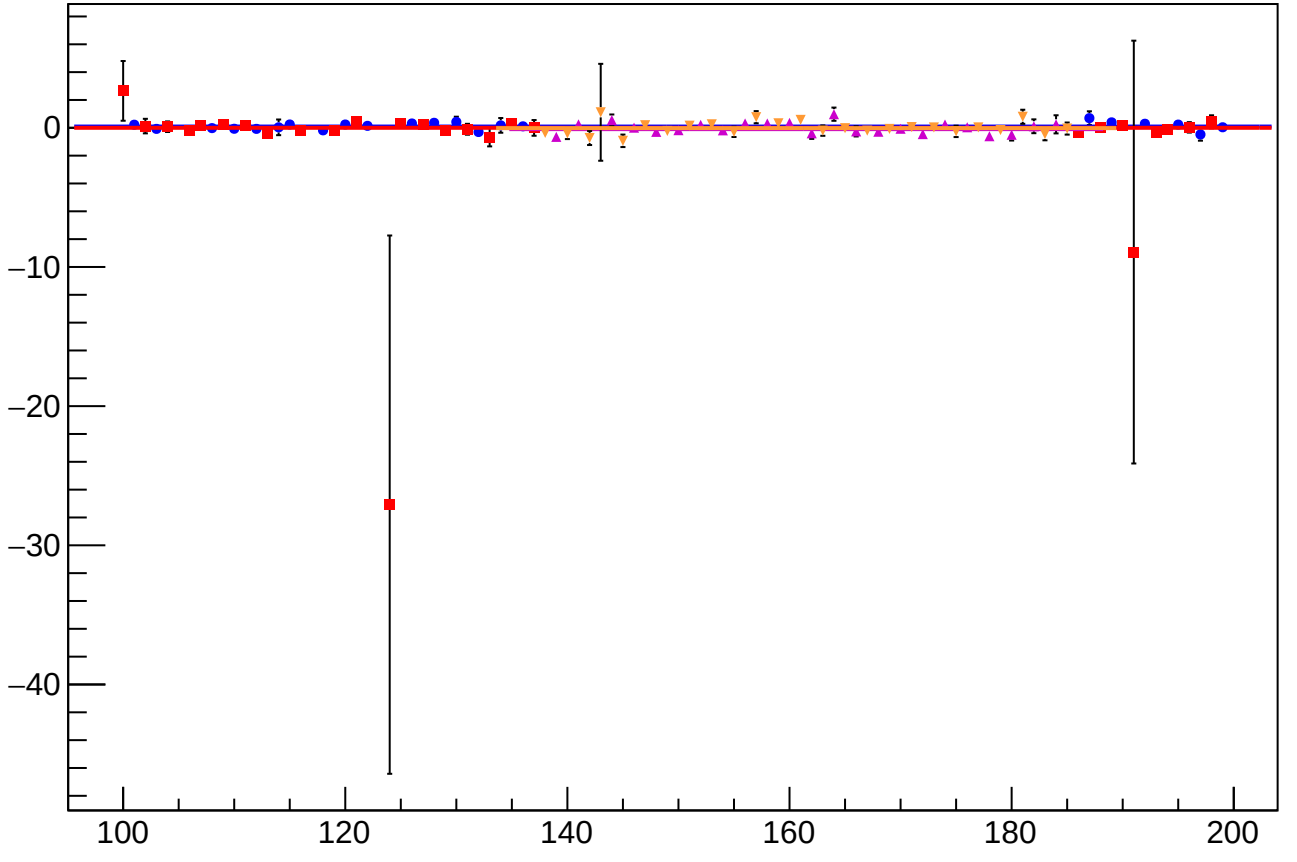
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6612458.1/46

All: 0.000+/-0.000 χ^2/NDF: 17501096.9/96

- sign 0.000+/-0.000 χ^2/NDF: 10203788.5/49

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.001+/-0.051 χ^2/NDF: 27.3/26

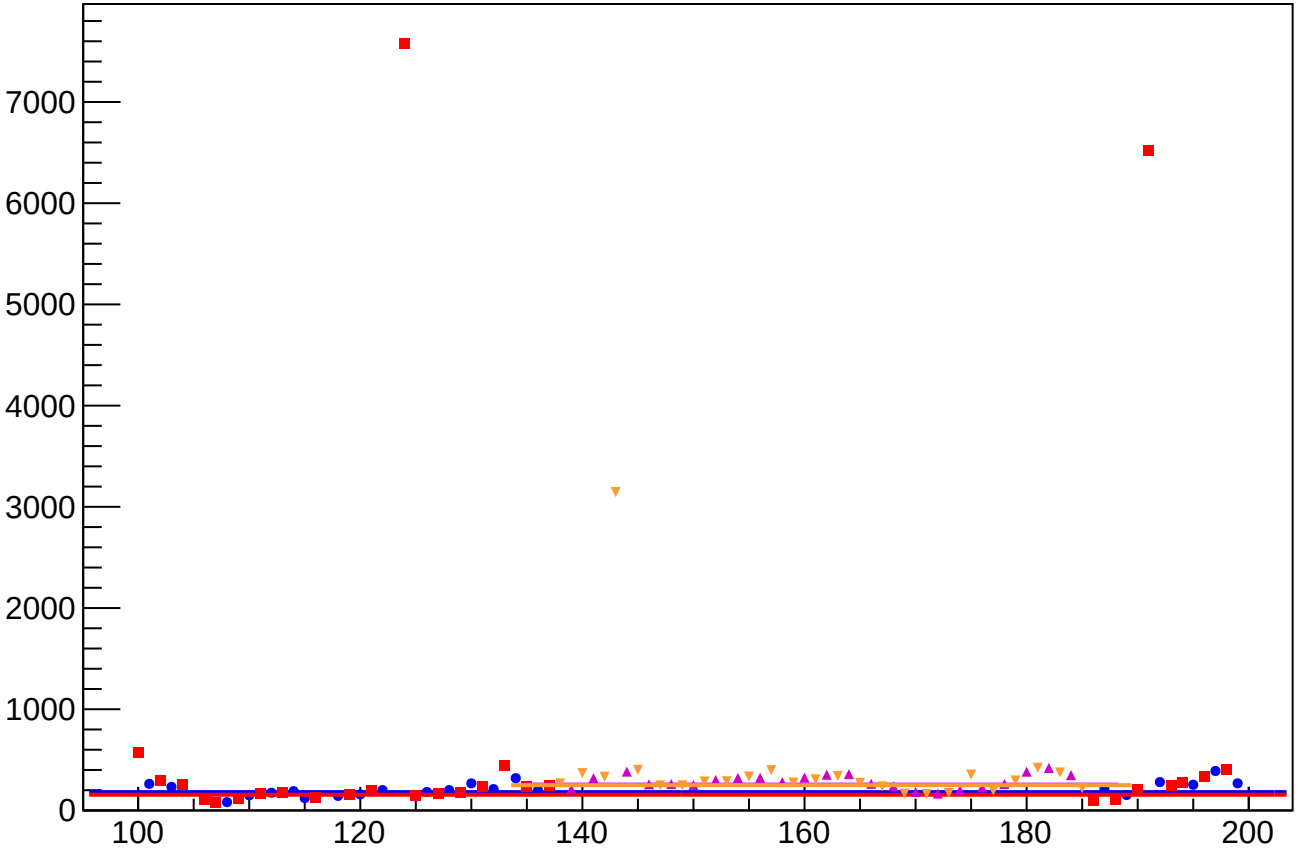
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.042 χ^2/NDF: 39.2/46

All: -0.003+/-0.029 χ^2/NDF: 101.0/96

- sign -0.037+/-0.039 χ^2/NDF: 60.2/49

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 181.136+/-0.041 χ^2/NDF: 2619341.3/21

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 155.374+/-0.036 χ^2/NDF: 4414960.8/26

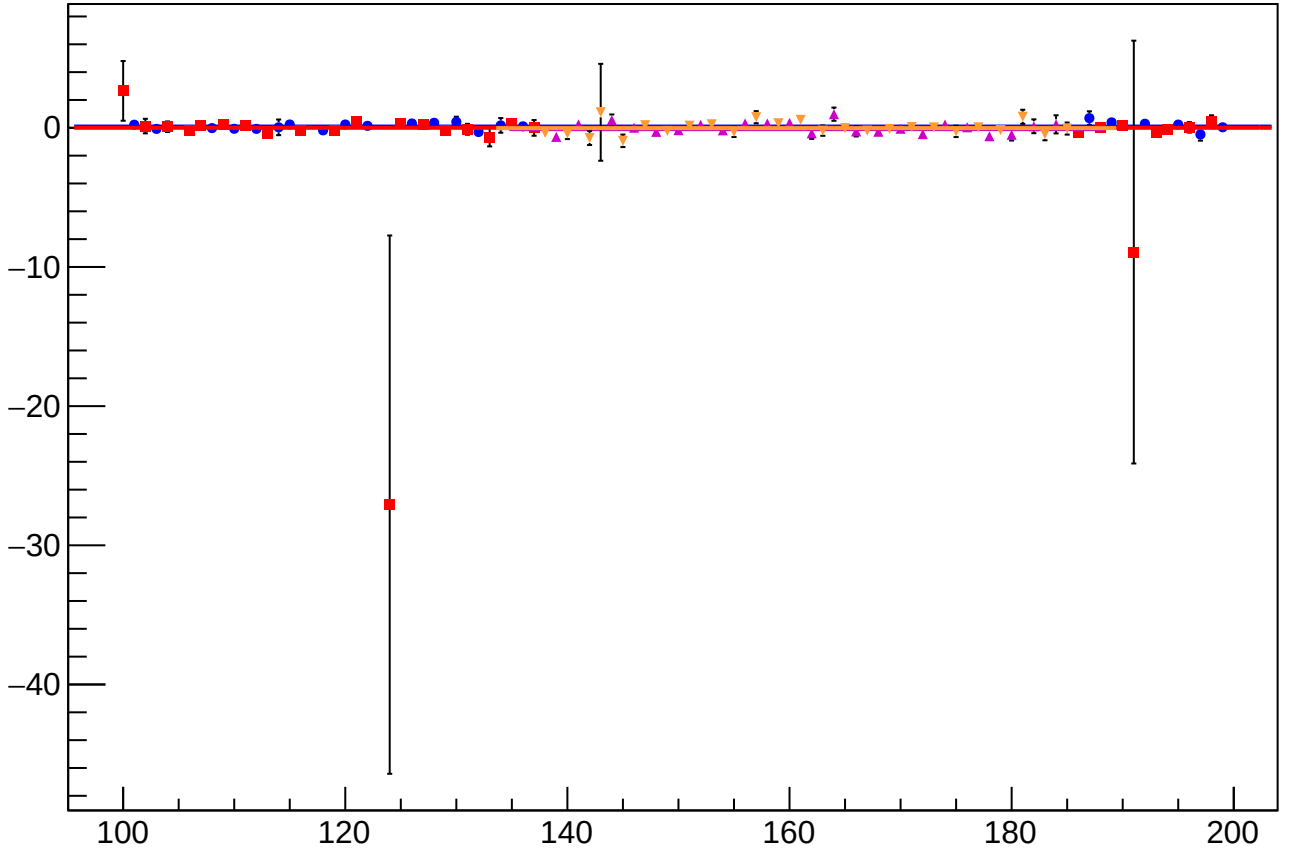
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 213.619+/-0.030 χ^2/NDF: 8165129.1/46

All: 203.426+/-0.020 χ^2/NDF: 17965083.3/96

- sign 194.581+/-0.028 χ^2/NDF: 9583719.9/49

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.001+/-0.051 χ^2/NDF: 27.3/26

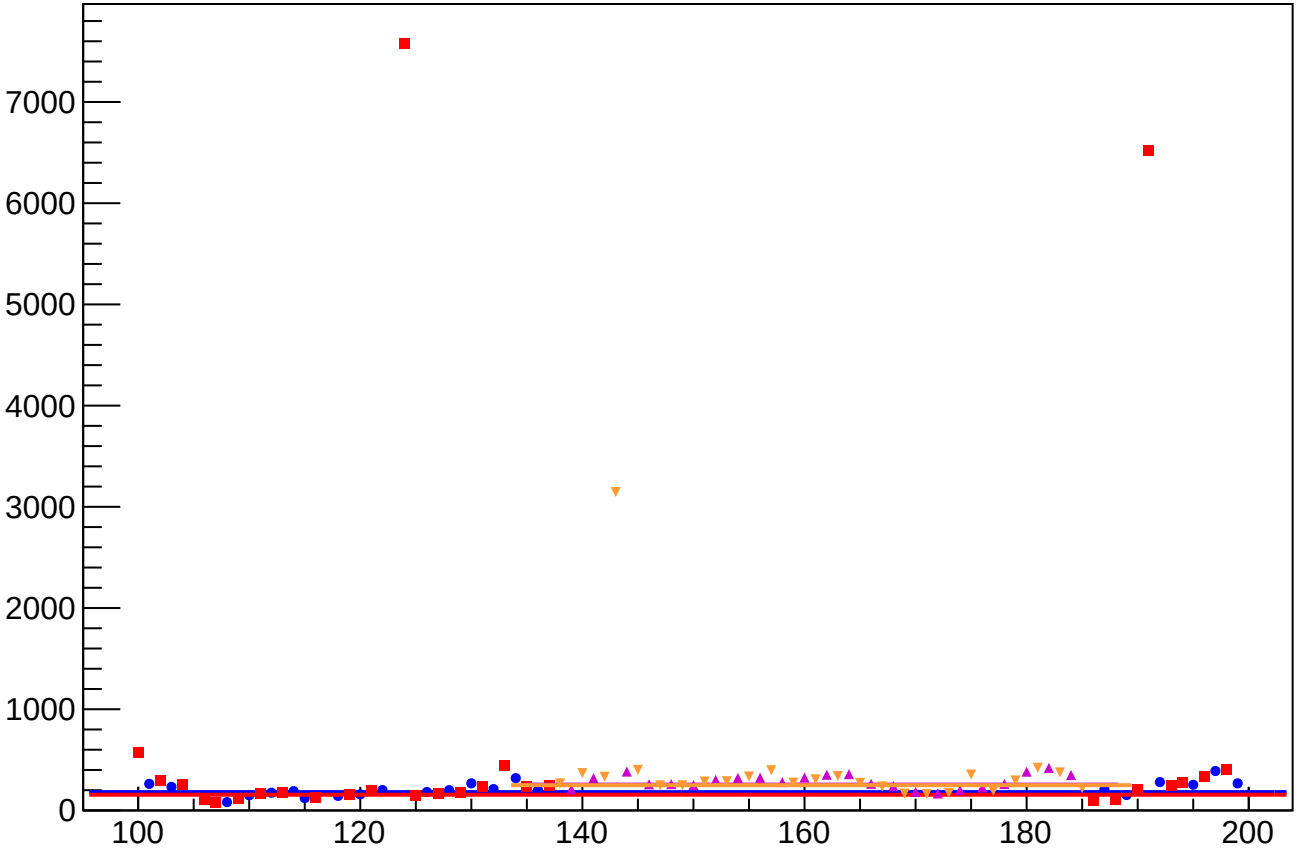
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.042 χ^2/NDF: 39.2/46

All: -0.003+/-0.029 χ^2/NDF: 101.0/96

- sign -0.037+/-0.039 χ^2/NDF: 60.2/49

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 181.136+/-0.041 χ^2/NDF: 2619341.3/21

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

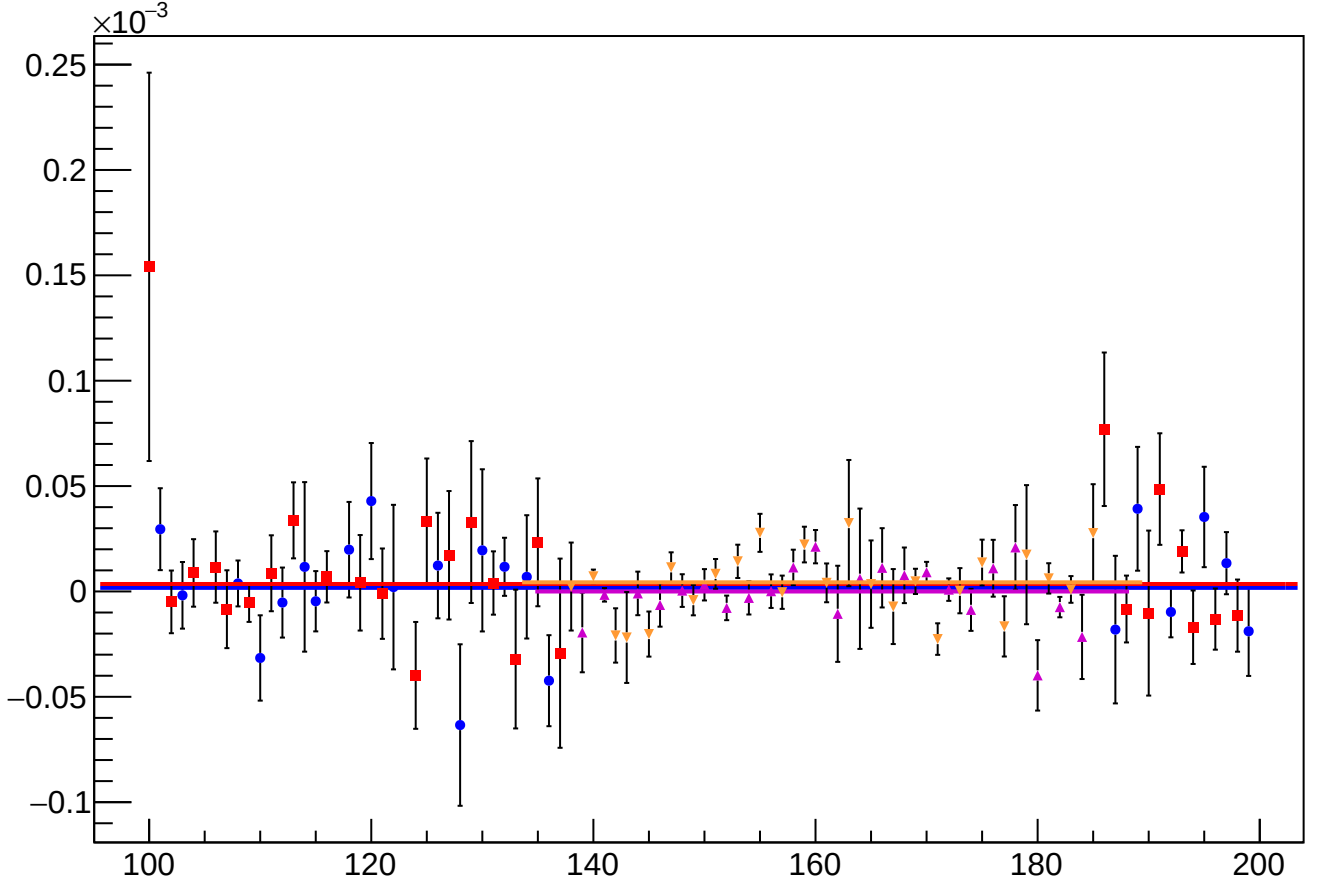
Right Out: 155.374+/-0.036 χ^2/NDF: 4414960.8/26

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 213.619+/-0.030 χ^2/NDF: 8165129.1/46

All: 203.426+/-0.020 χ^2/NDF: 17965083.3/96

- sign 194.581+/-0.028 χ^2/NDF: 9583719.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/26

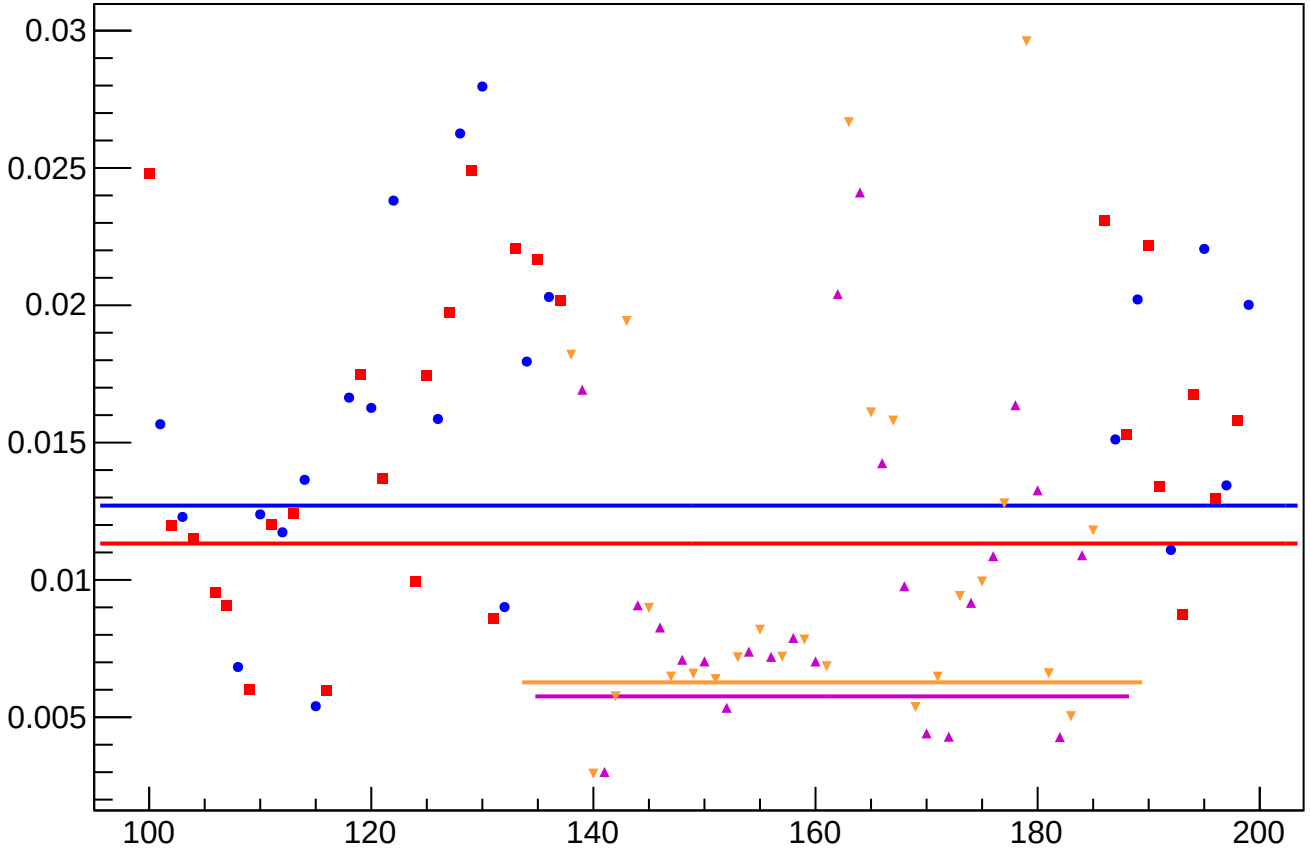
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.0/46

All: 0.000+/-0.000 χ^2/NDF: 129.6/96

- sign 0.000+/-0.000 χ^2/NDF: 58.0/49

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 3193910.3/21

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 3432054.3/26

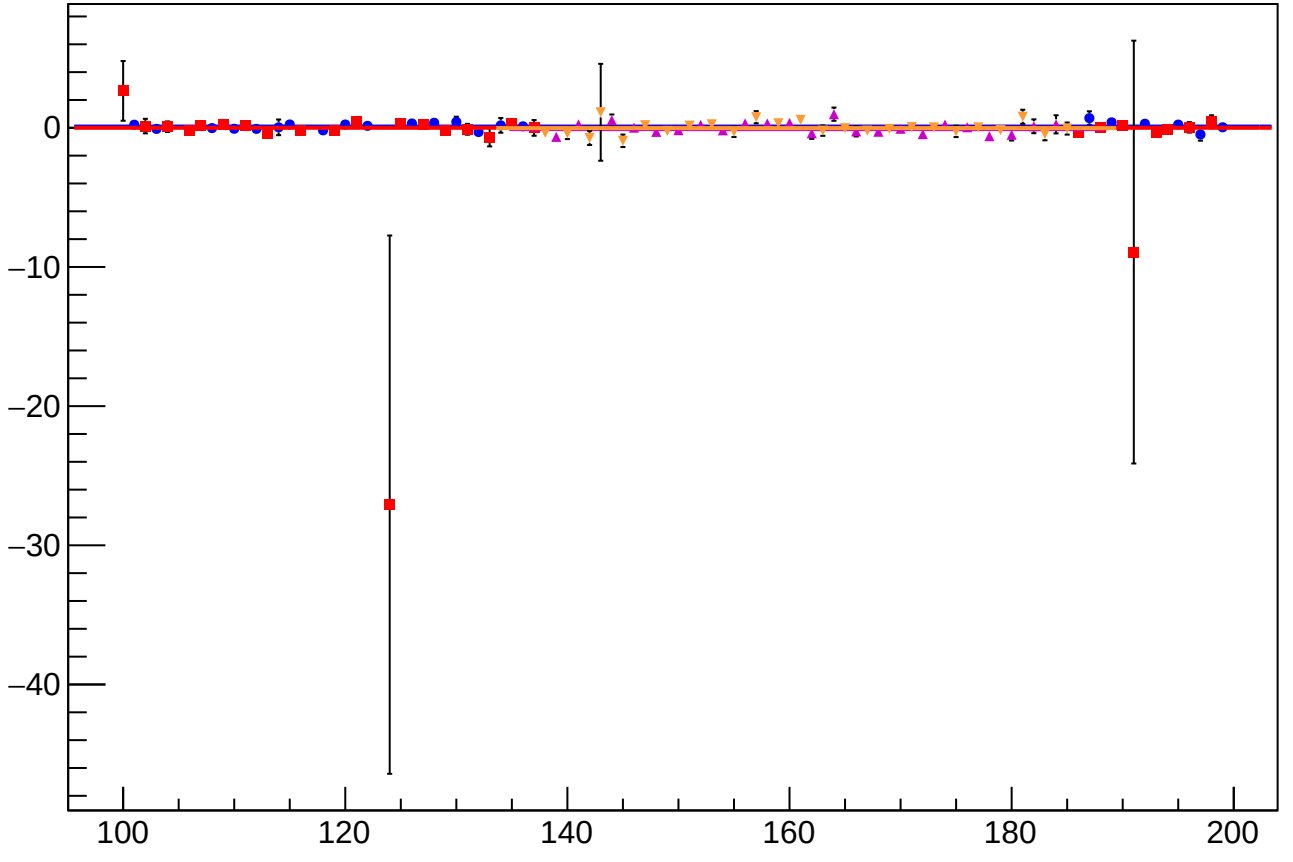
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 15348422.8/46

All: 0.007+/-0.000 χ^2/NDF: 30249411.4/96

- sign 0.007+/-0.000 χ^2/NDF: 14811250.4/49

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.001+/-0.051 χ^2/NDF: 27.3/26

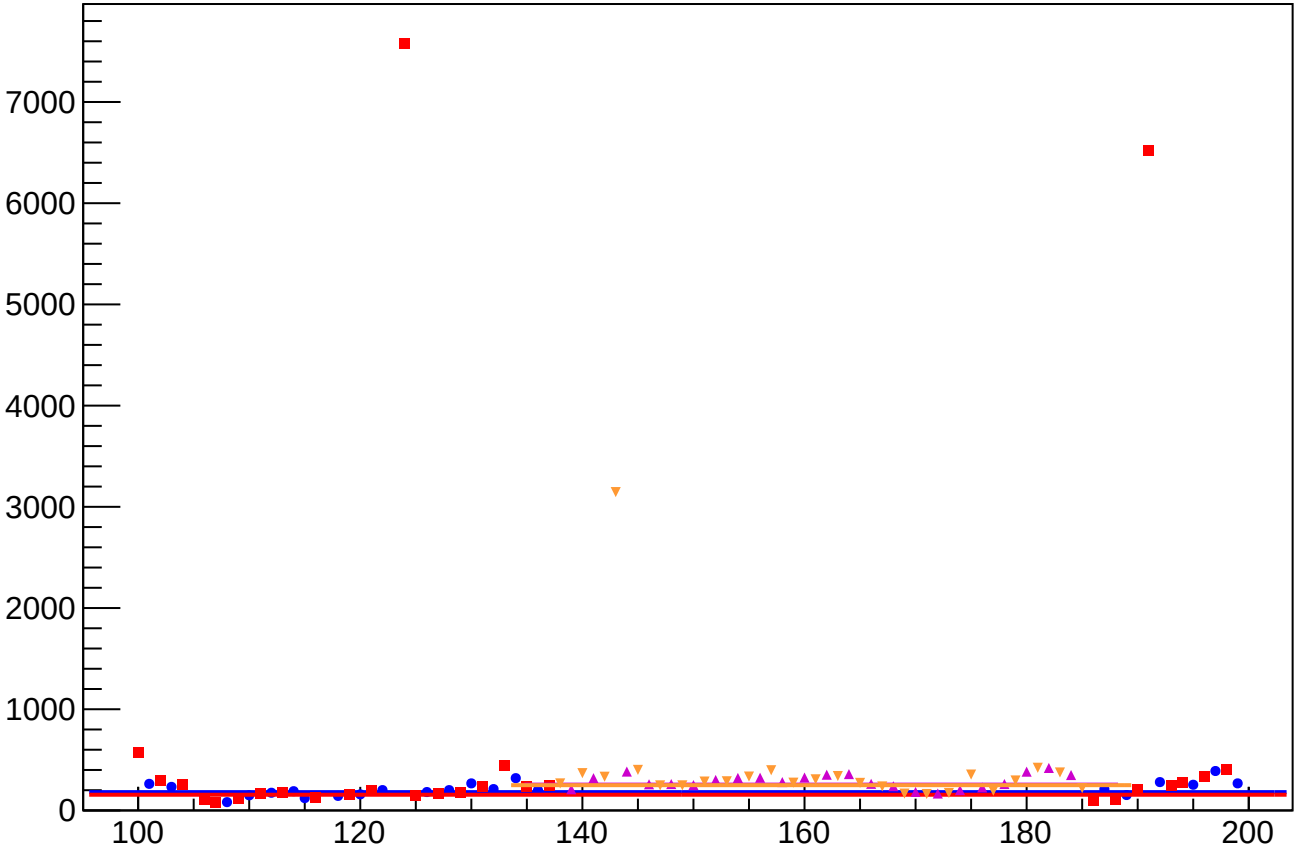
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.042 χ^2/NDF: 39.2/46

All: -0.003+/-0.029 χ^2/NDF: 101.0/96

- sign -0.037+/-0.039 χ^2/NDF: 60.2/49

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 181.134+/-0.041 χ^2/NDF: 2619381.2/21

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

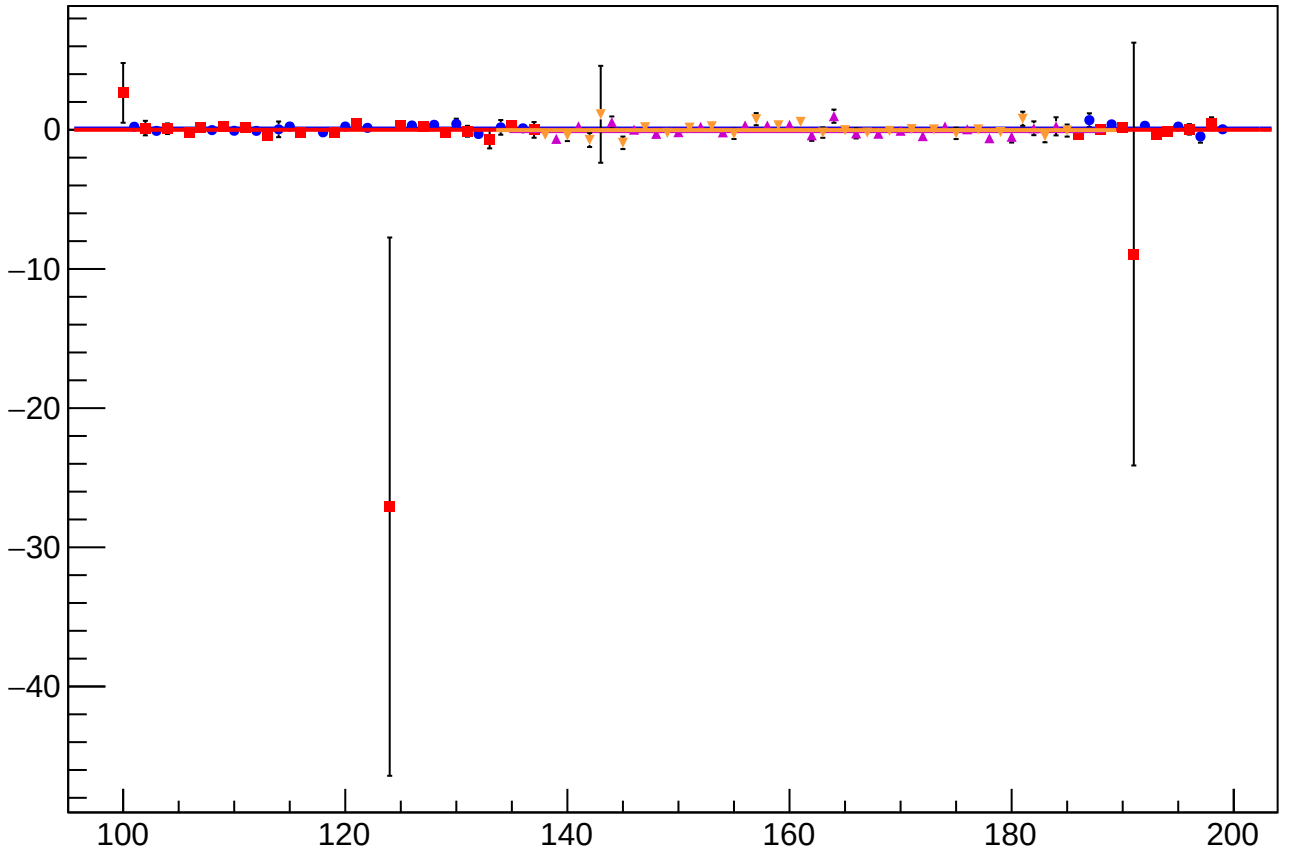
Right Out: 155.377+/-0.036 χ^2/NDF: 4414834.1/26

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 213.618+/-0.030 χ^2/NDF: 8165403.3/46

All: 203.426+/-0.020 χ^2/NDF: 17965134.6/96

- sign 194.584+/-0.028 χ^2/NDF: 9583571.6/49



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

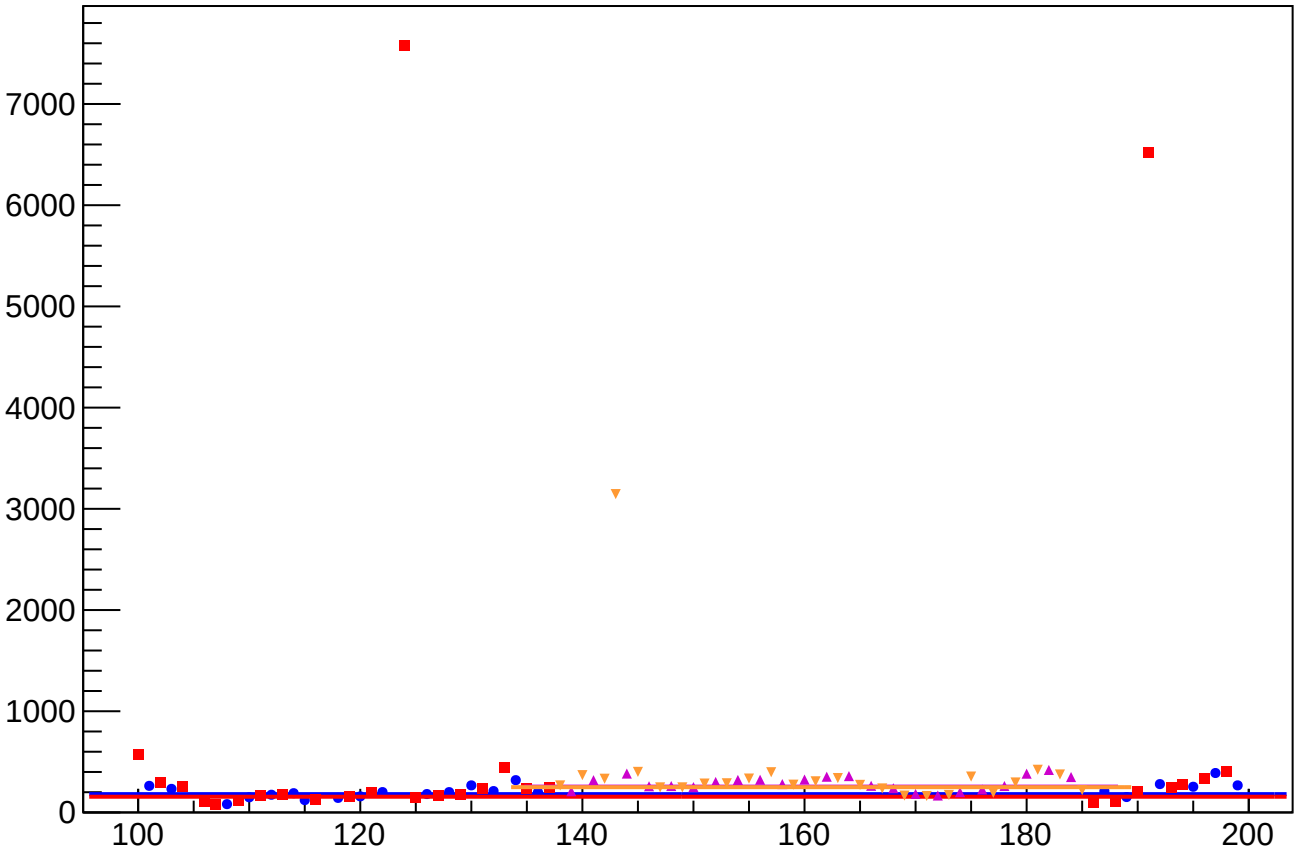
Right Out: 0.001+/-0.051 χ^2/NDF: 27.3/26

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.042 χ^2/NDF: 39.2/46

All: -0.003+/-0.029 χ^2/NDF: 101.0/96

- sign -0.037+/-0.039 χ^2/NDF: 60.2/49



Right In: 181.134+/-0.041 χ^2/NDF: 2619381.2/21

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

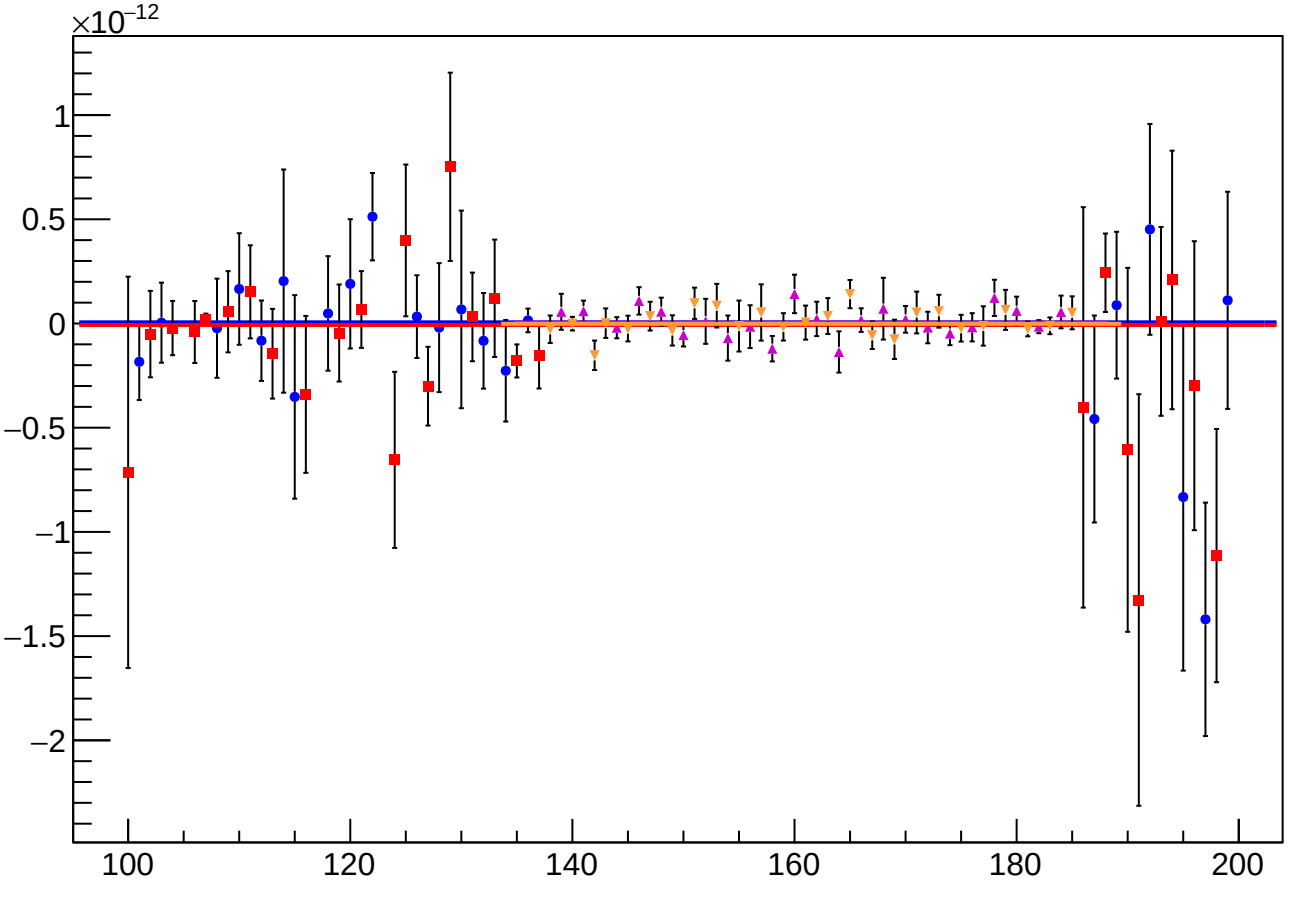
Right Out: 155.377+/-0.036 χ^2/NDF: 4414834.1/26

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 213.618+/-0.030 χ^2/NDF: 8165403.3/46

All: 203.426+/-0.020 χ^2/NDF: 17965134.6/96

- sign 194.584+/-0.028 χ^2/NDF: 9583571.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

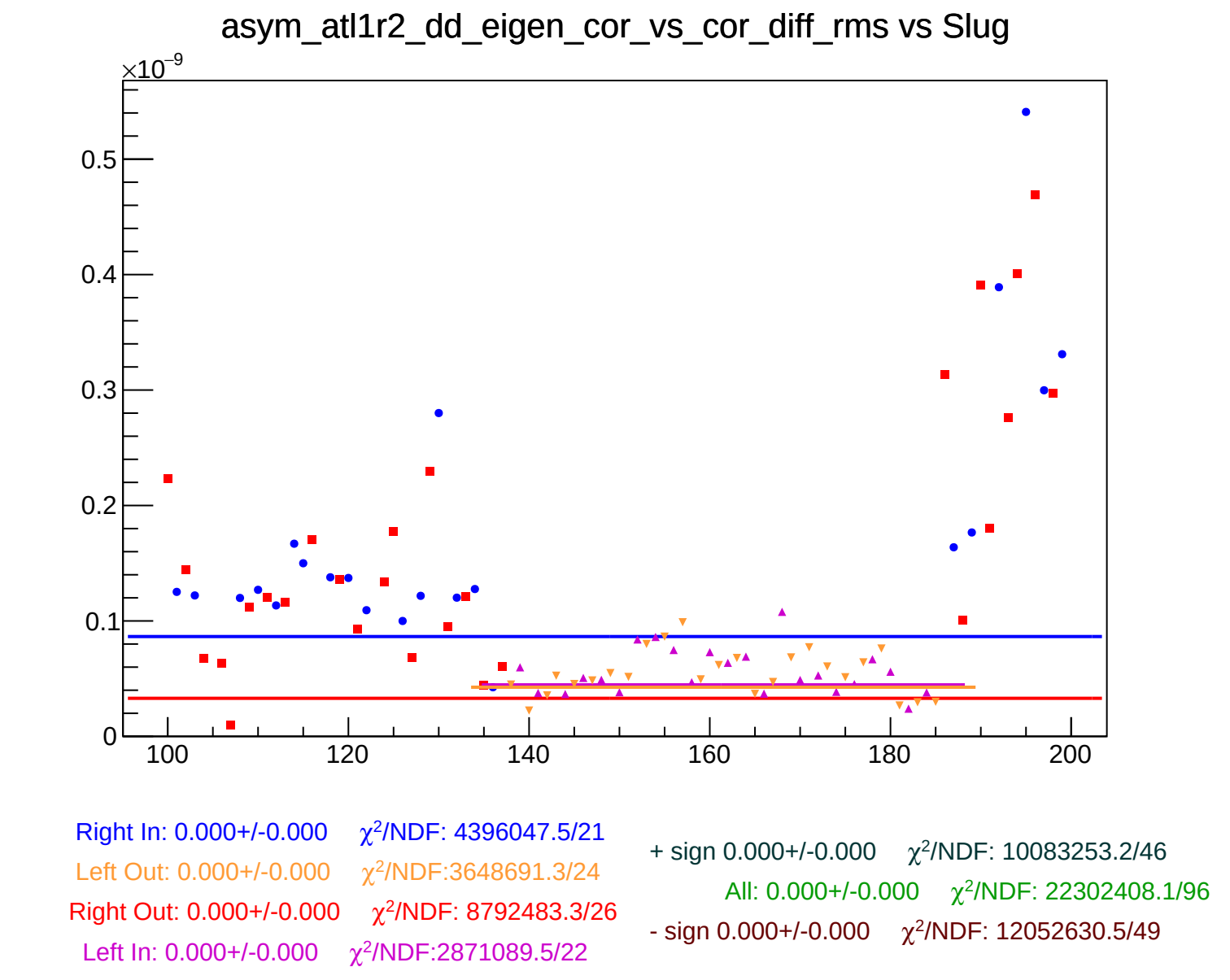
Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/26

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

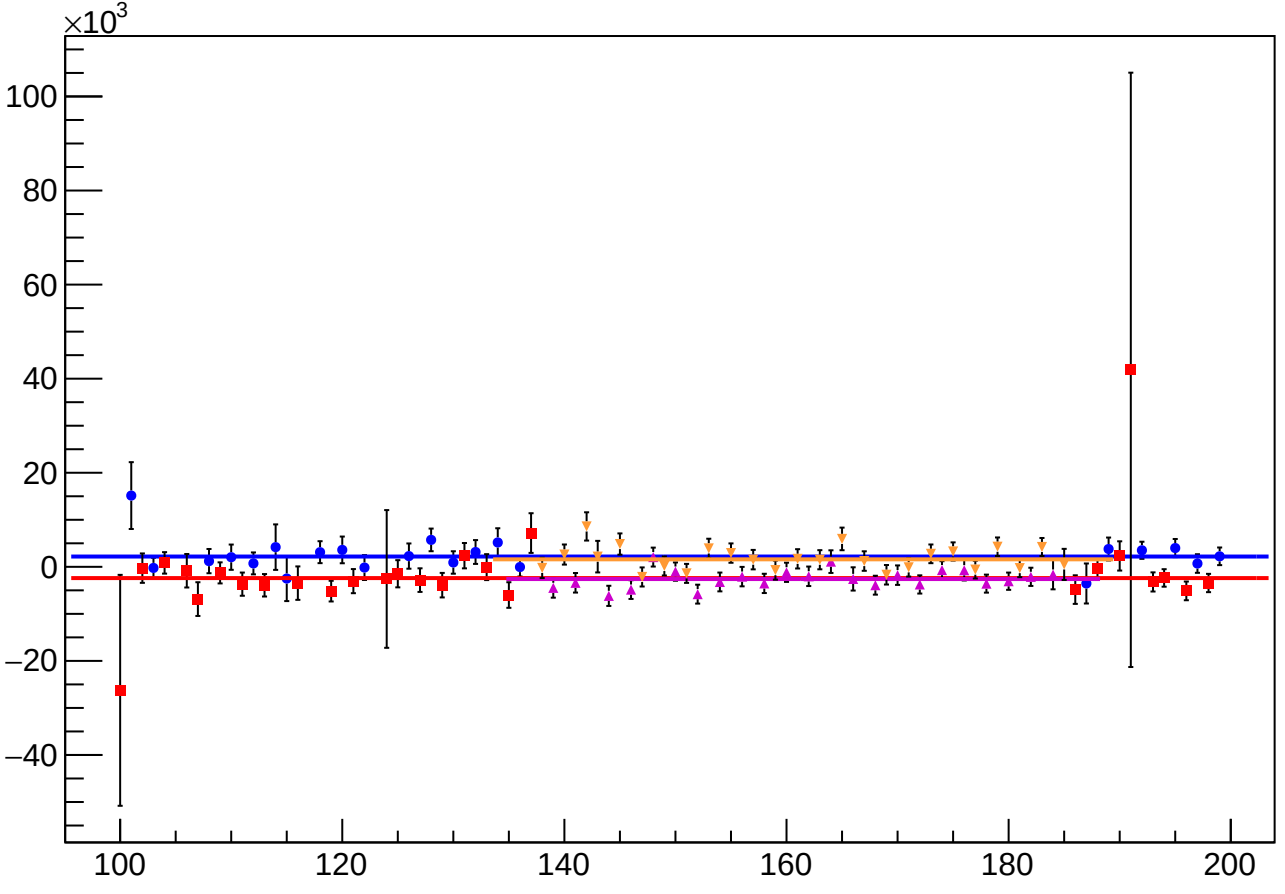
+ sign -0.000+/-0.000 χ^2/NDF: 35.3/46

All: 0.000+/-0.000 χ^2/NDF: 81.5/96

- 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: 4396047.5/21
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: 10083253.2/46
All: 0.000+/-0.000 χ²/NDF: 22302408.1/96
- sign 0.000+/-0.000 χ²/NDF: 12052630.5/49

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2187.547+/-528.527 χ^2/NDF: 16.4/21

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2394.344+/-509.836 χ^2/NDF: 25.8/26

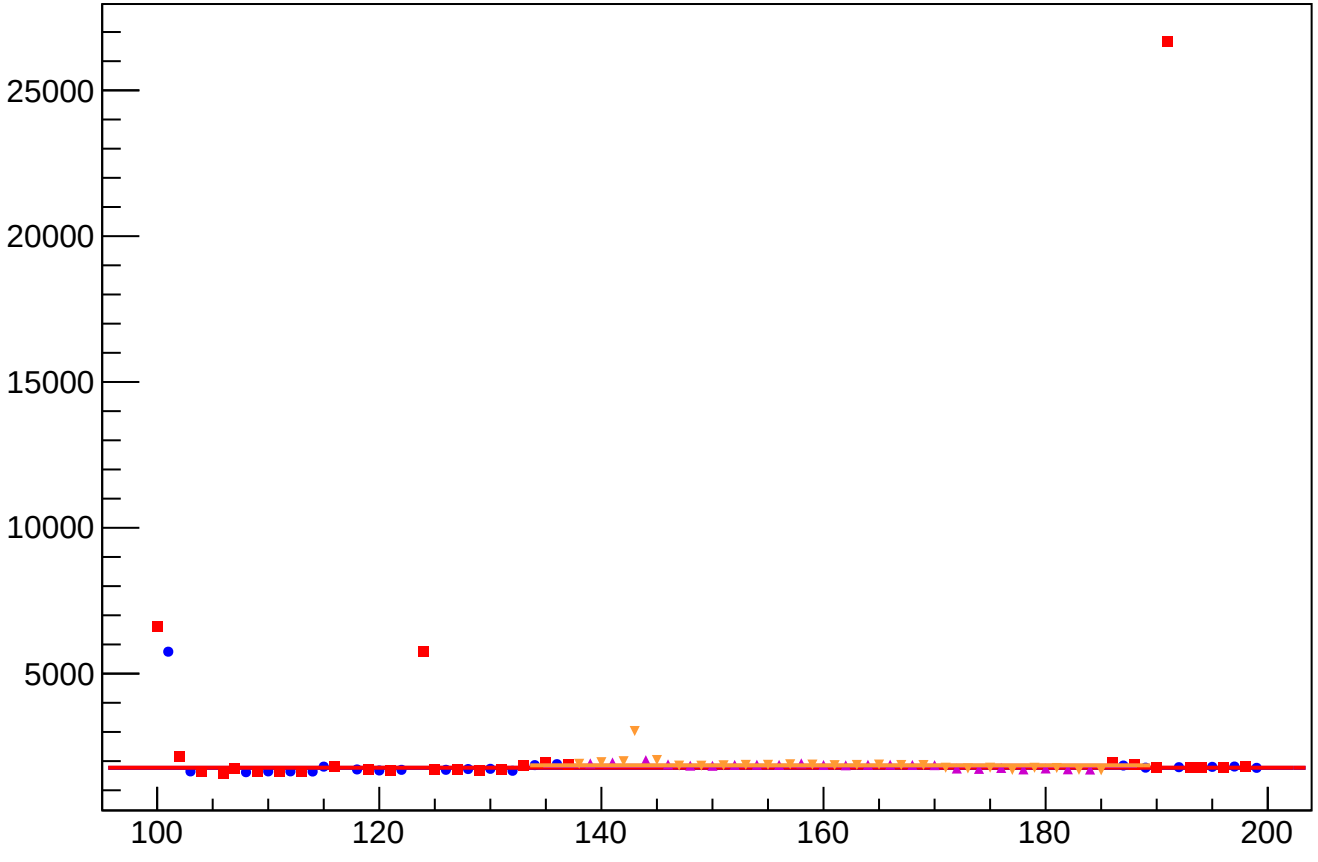
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1825.011+/-330.395 χ^2/NDF: 48.5/46

All: -354.346+/-233.070 χ^2/NDF: 181.1/96

- sign -2513.129+/-328.832 χ^2/NDF: 46.0/49

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1767.406+/-0.374 χ^2/NDF: 674689.8/21

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1774.557+/-0.359 χ^2/NDF: 639229.7/26

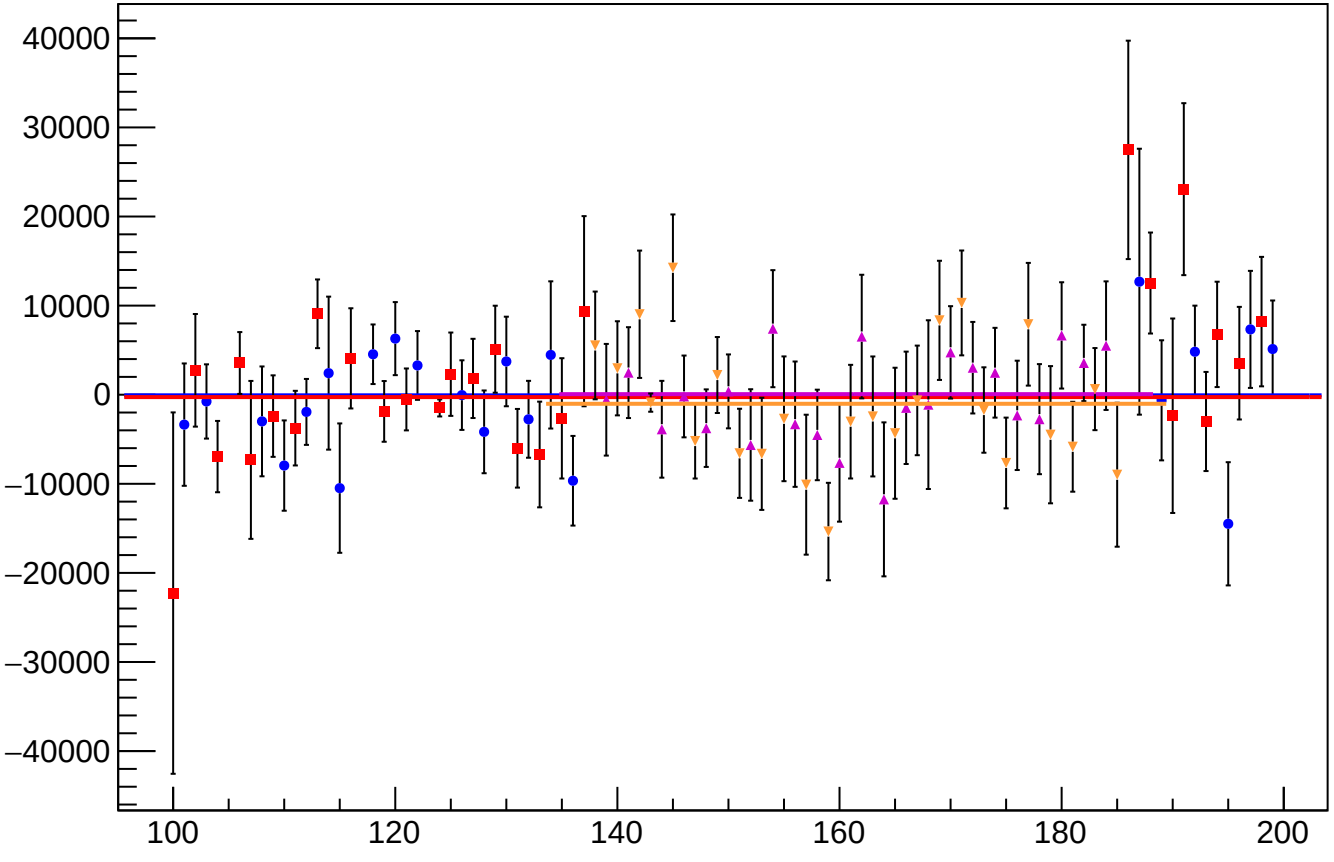
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1821.111+/-0.234 χ^2/NDF: 1032853.4/46

All: 1817.132+/-0.165 χ^2/NDF: 1763574.7/96

- sign 1813.205+/-0.232 χ^2/NDF: 730144.9/49

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -68.464+/-1074.197 χ^2/NDF: 24.2/21

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -268.114+/-696.656 χ^2/NDF: 40.3/26

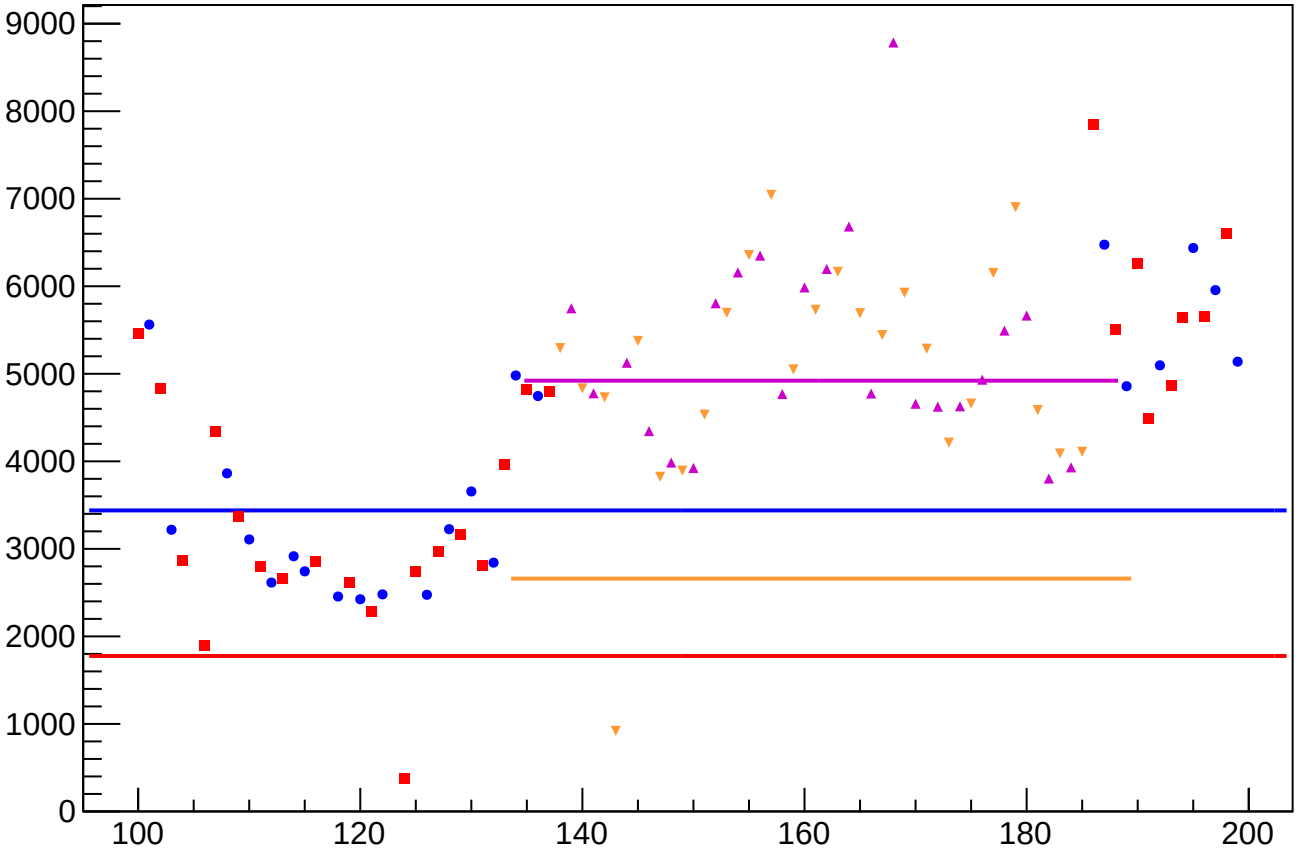
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

\+ sign -695.272+/-626.799 χ^2/NDF: 58.5/46

All: -427.011+/-433.066 χ^2/NDF: 112.2/96

\- sign -181.986+/-599.038 χ^2/NDF: 53.4/49

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3439.132+/-0.760 χ^2/NDF: 2372520.9/21

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1776.368+/-0.493 χ^2/NDF: 12158638.4/26

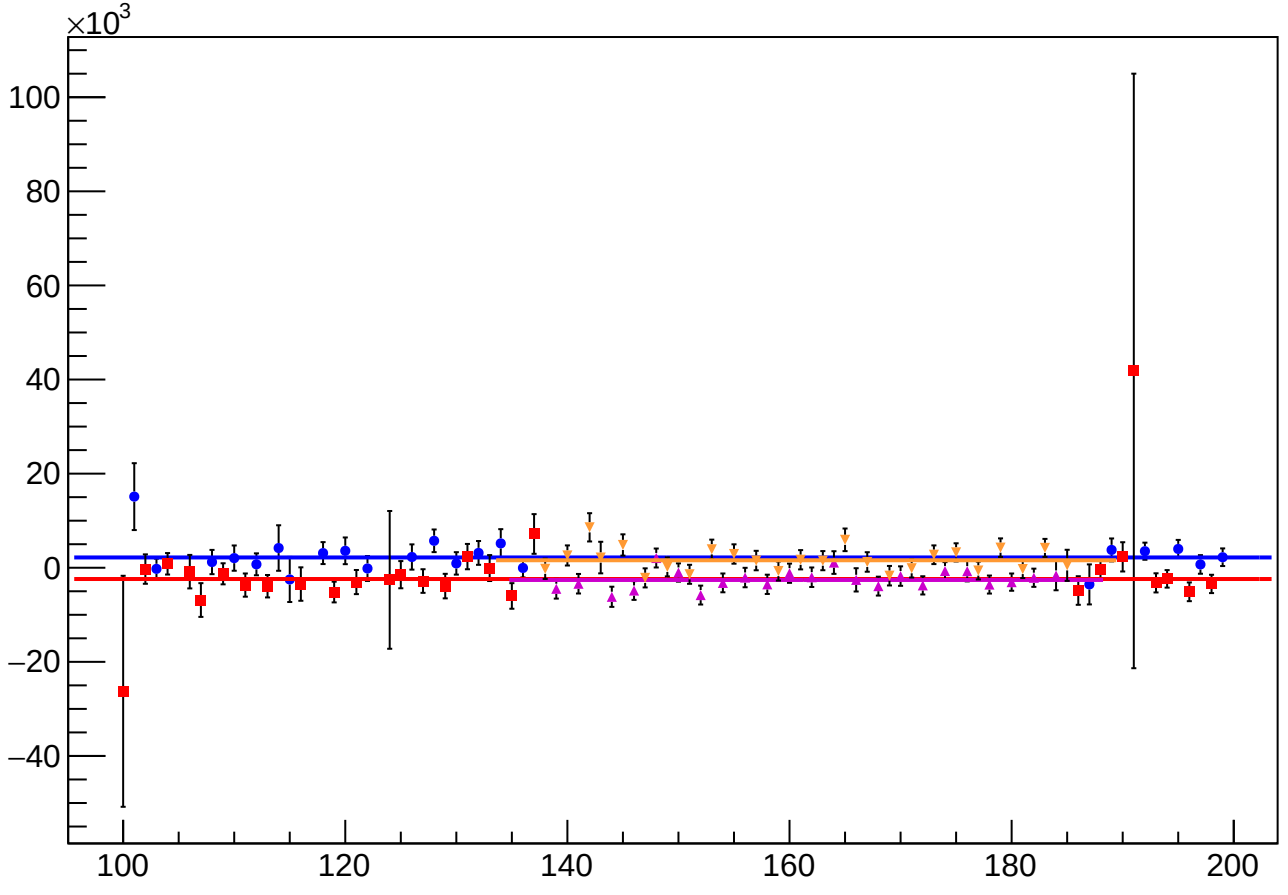
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2925.283+/-0.443 χ^2/NDF: 17602504.2/46

All: 2753.179+/-0.306 χ^2/NDF: 41923006.6/9

- sign 2595.982+/-0.424 χ^2/NDF: 24031993.6/49

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2187.354+/-528.527 χ^2/NDF: 16.4/21

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2394.376+/-509.836 χ^2/NDF: 25.8/26

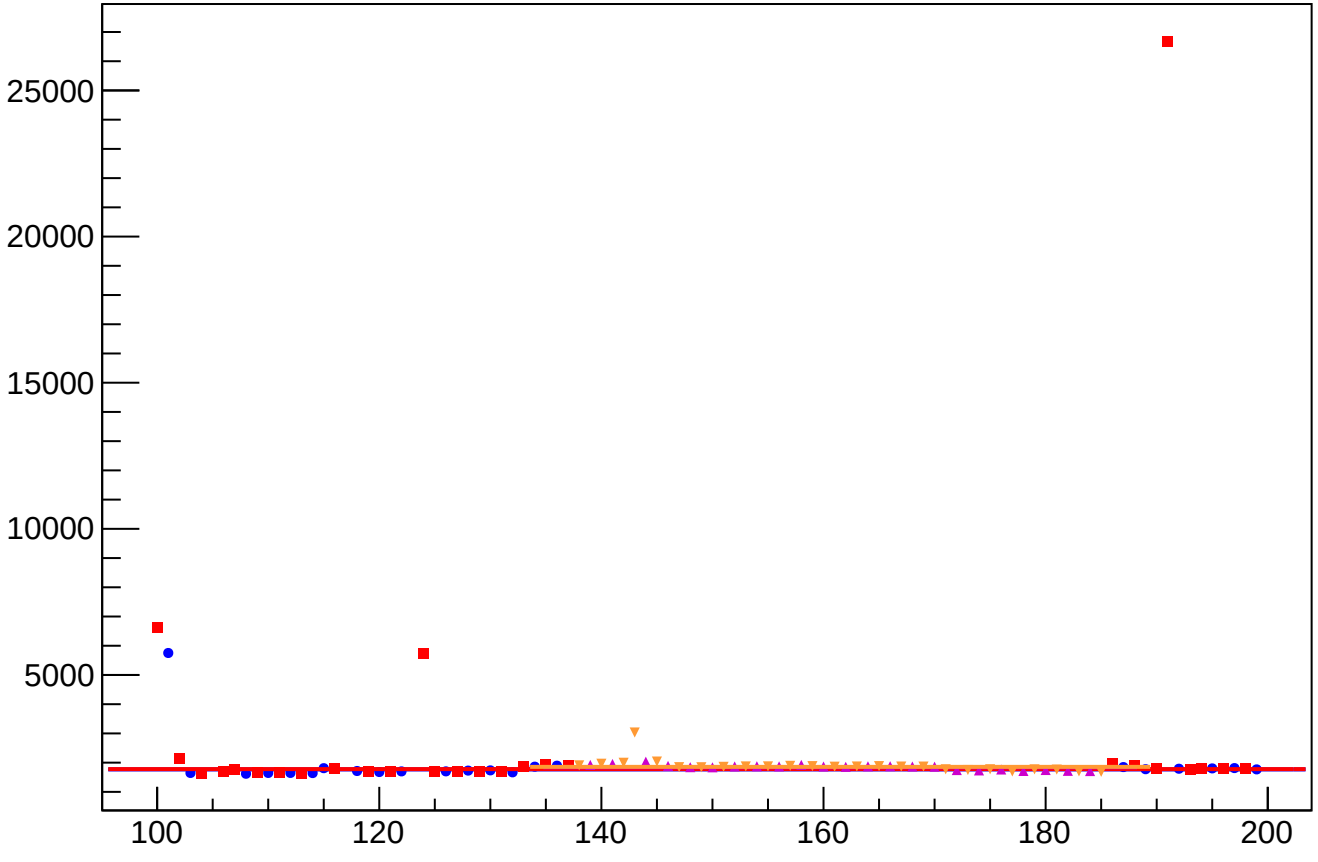
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1824.915+/-330.395 χ^2/NDF: 48.5/46

All: -354.422+/-233.070 χ^2/NDF: 181.1/96

- sign -2513.184+/-328.832 χ^2/NDF: 46.0/49

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.406+/-0.374 χ^2/NDF: 674690.1/21

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.781+/-0.360 χ^2/NDF: 630417.0/26

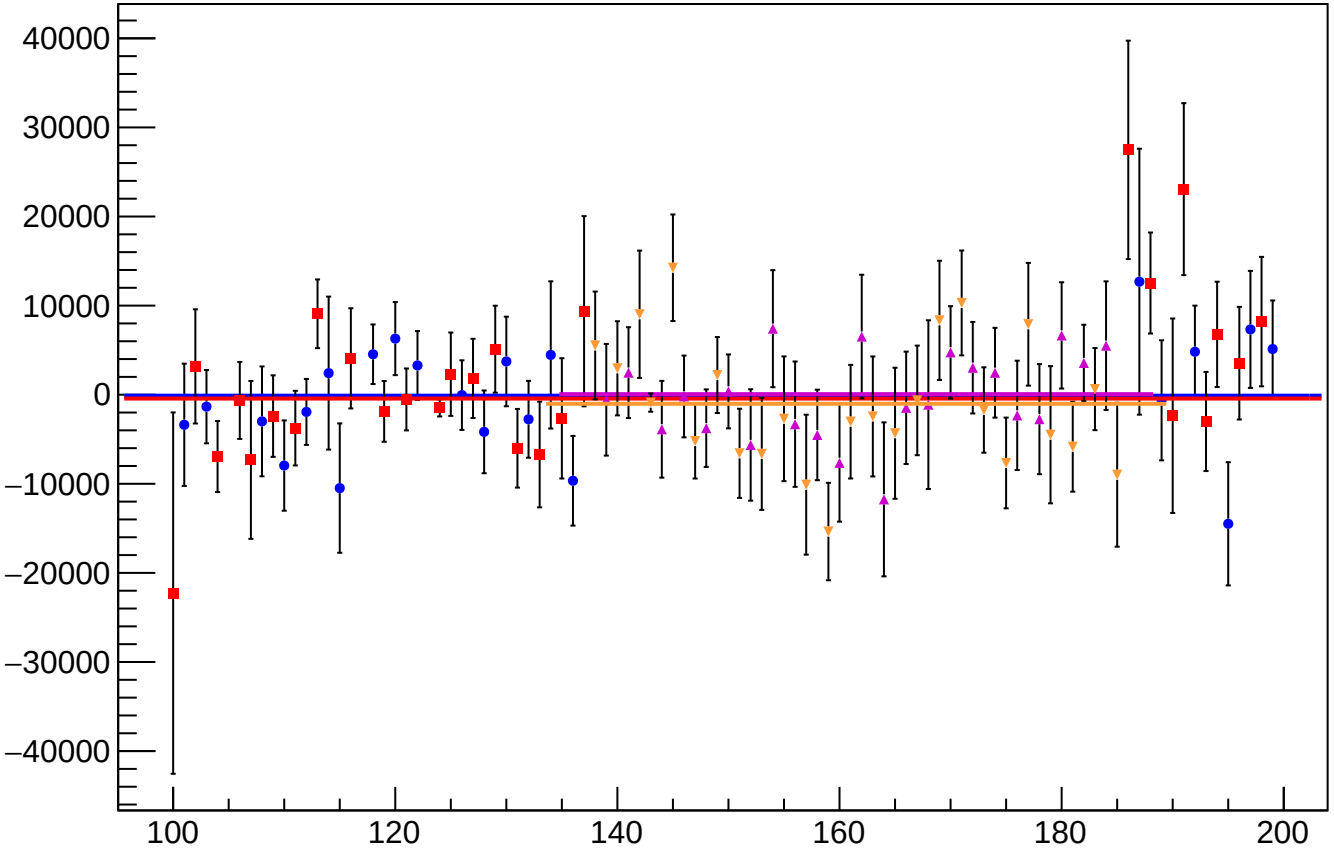
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1821.111+/-0.234 χ^2/NDF: 1032853.8/46

All: 1818.057+/-0.165 χ^2/NDF: 1752027.1/96

- sign 1815.038+/-0.232 χ^2/NDF: 718833.5/49

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -109.817+/-1073.272 χ^2/NDF: 24.3/21

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -432.646+/-701.712 χ^2/NDF: 39.1/26

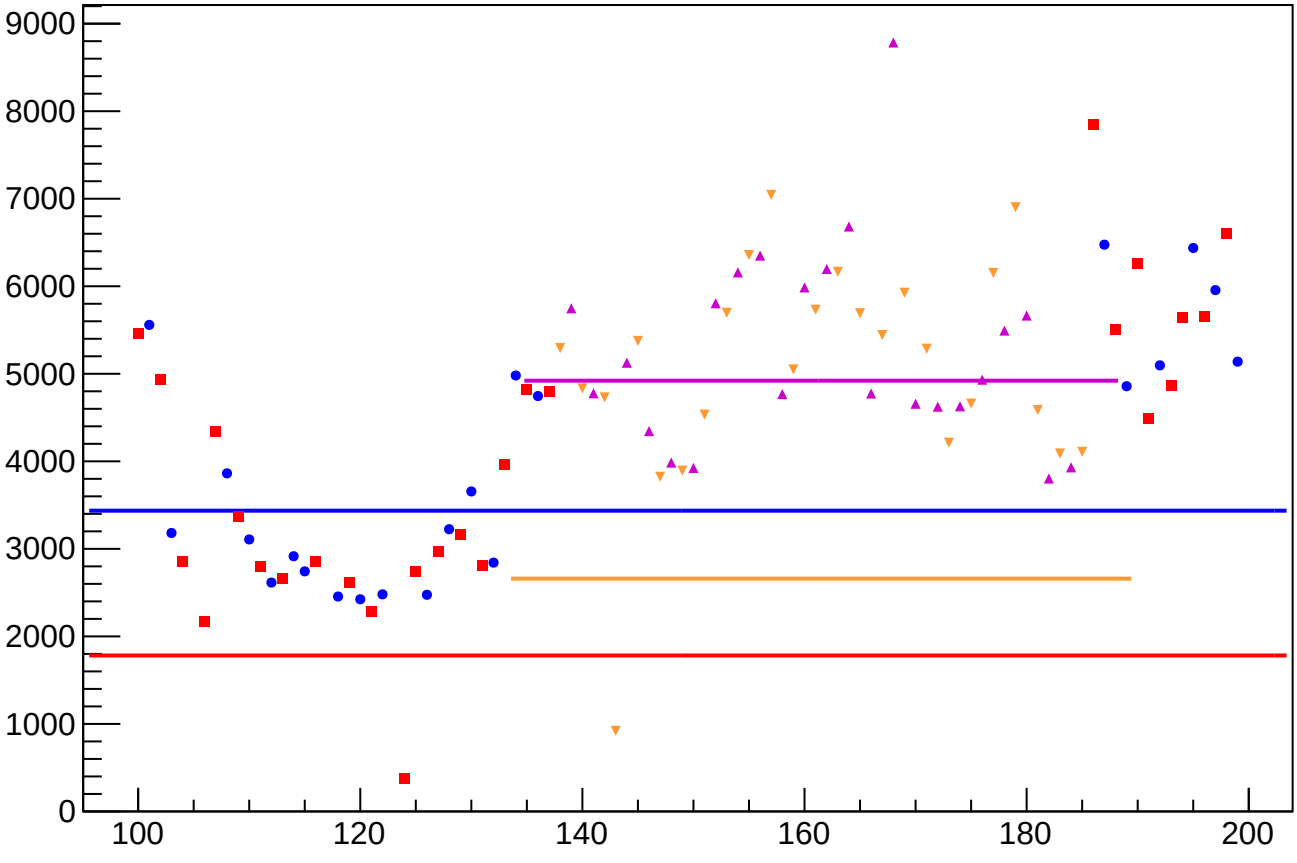
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

\+ sign -708.911+/-626.606 χ^2/NDF: 58.5/46

All: -497.535+/-434.208 χ^2/NDF: 111.0/96

\- sign -302.277+/-602.243 χ^2/NDF: 52.3/49

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3436.239+/-0.759 χ^2/NDF: 2374283.7/21

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1782.064+/-0.496 χ^2/NDF: 12188542.3/26

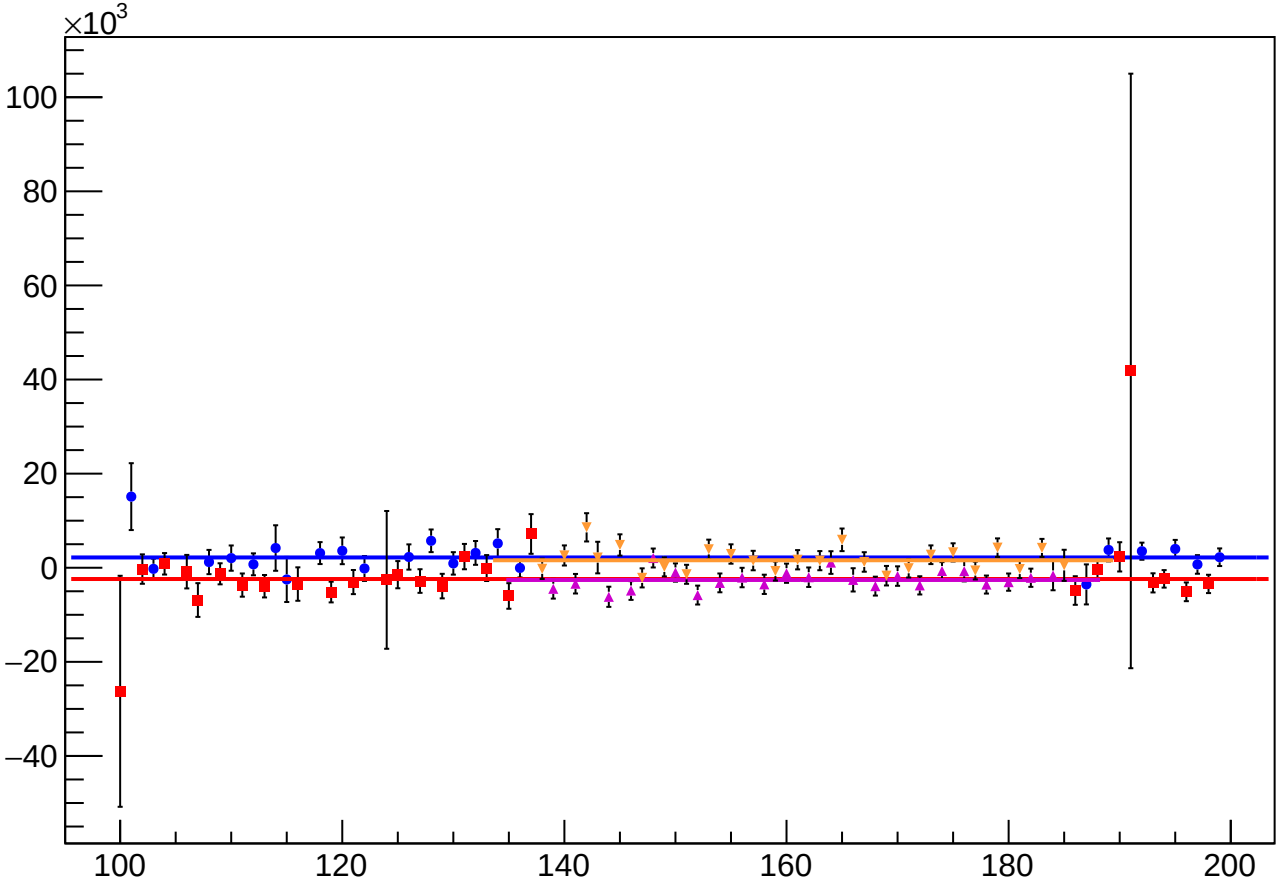
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2924.523+/-0.443 χ^2/NDF: 17600838.8/46

All: 2760.494+/-0.307 χ^2/NDF: 41847918.9/9

- sign 2608.971+/-0.426 χ^2/NDF: 23983426.0/49

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2187.354+/-528.527 χ^2/NDF: 16.4/21

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2394.376+/-509.836 χ^2/NDF: 25.8/26

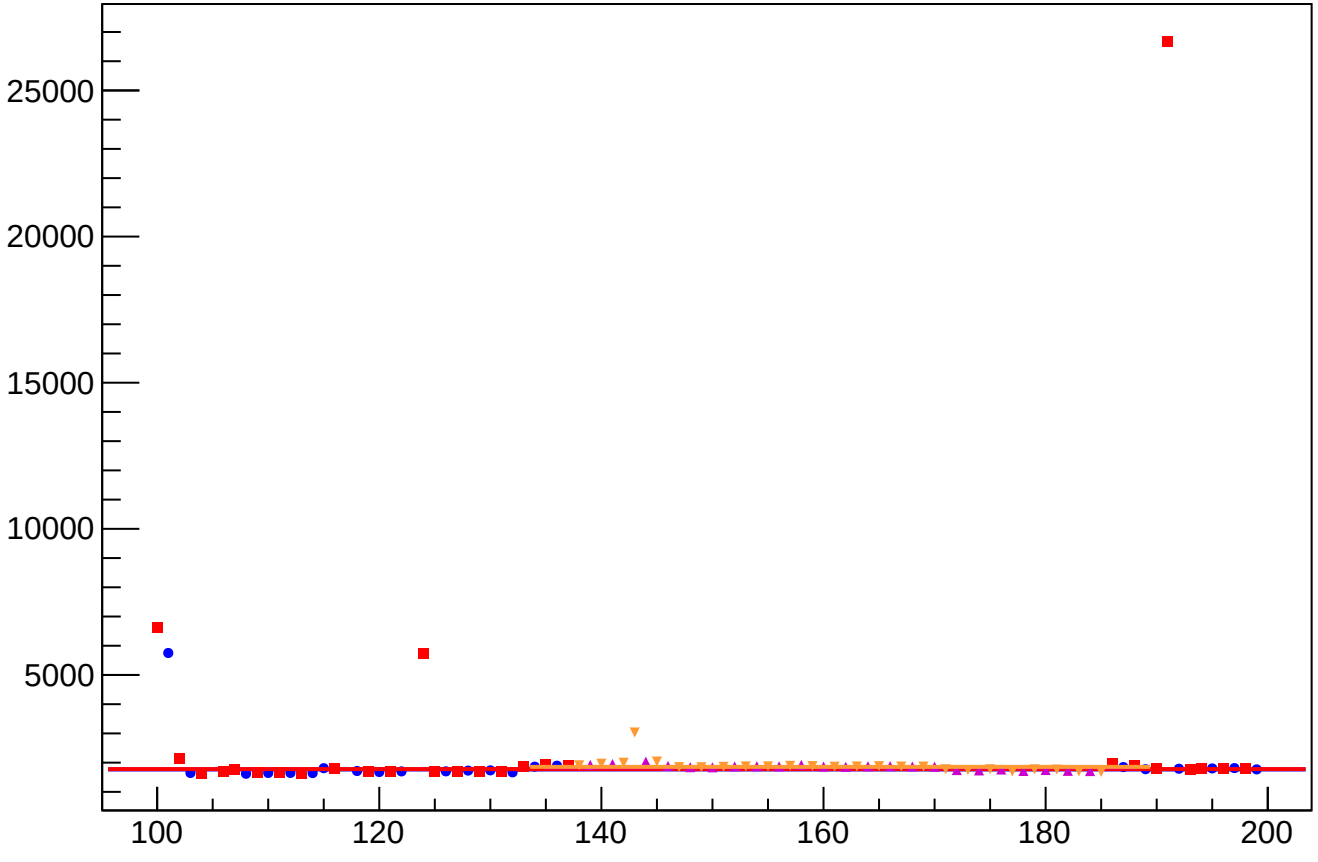
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1824.915+/-330.395 χ^2/NDF: 48.5/46

All: -354.422+/-233.070 χ^2/NDF: 181.1/96

- sign -2513.184+/-328.832 χ^2/NDF: 46.0/49

eigen_cor_asym_atr1l2_avg_rms vs Slug



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Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.781+/-0.360 χ^2/NDF: 630417.0/26

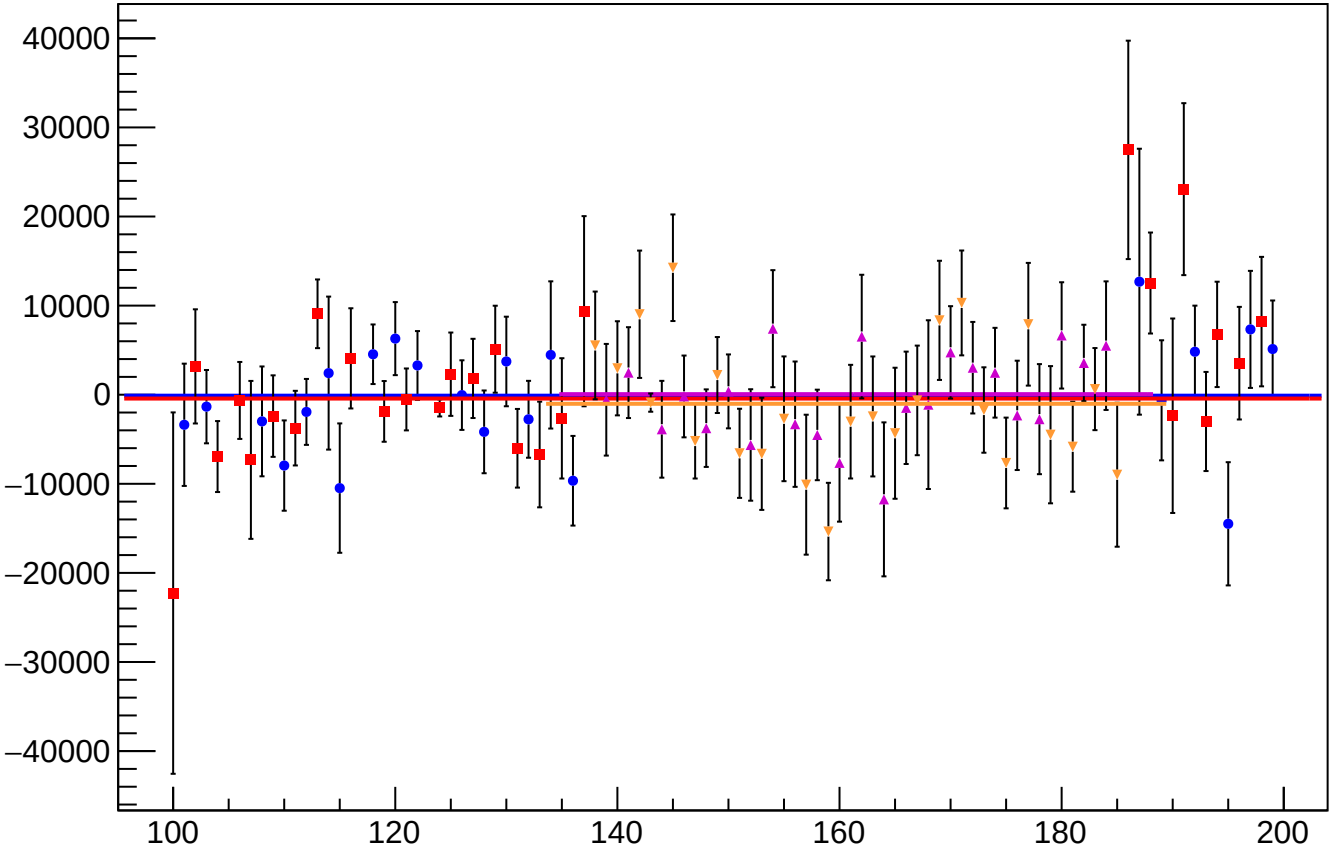
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1821.111+/-0.234 χ^2/NDF: 1032853.8/46

All: 1818.057+/-0.165 χ^2/NDF: 1752027.1/96

- sign 1815.038+/-0.232 χ^2/NDF: 718833.5/49

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -109.817+/-1073.272 χ^2/NDF: 24.3/21

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -432.646+/-701.712 χ^2/NDF: 39.1/26

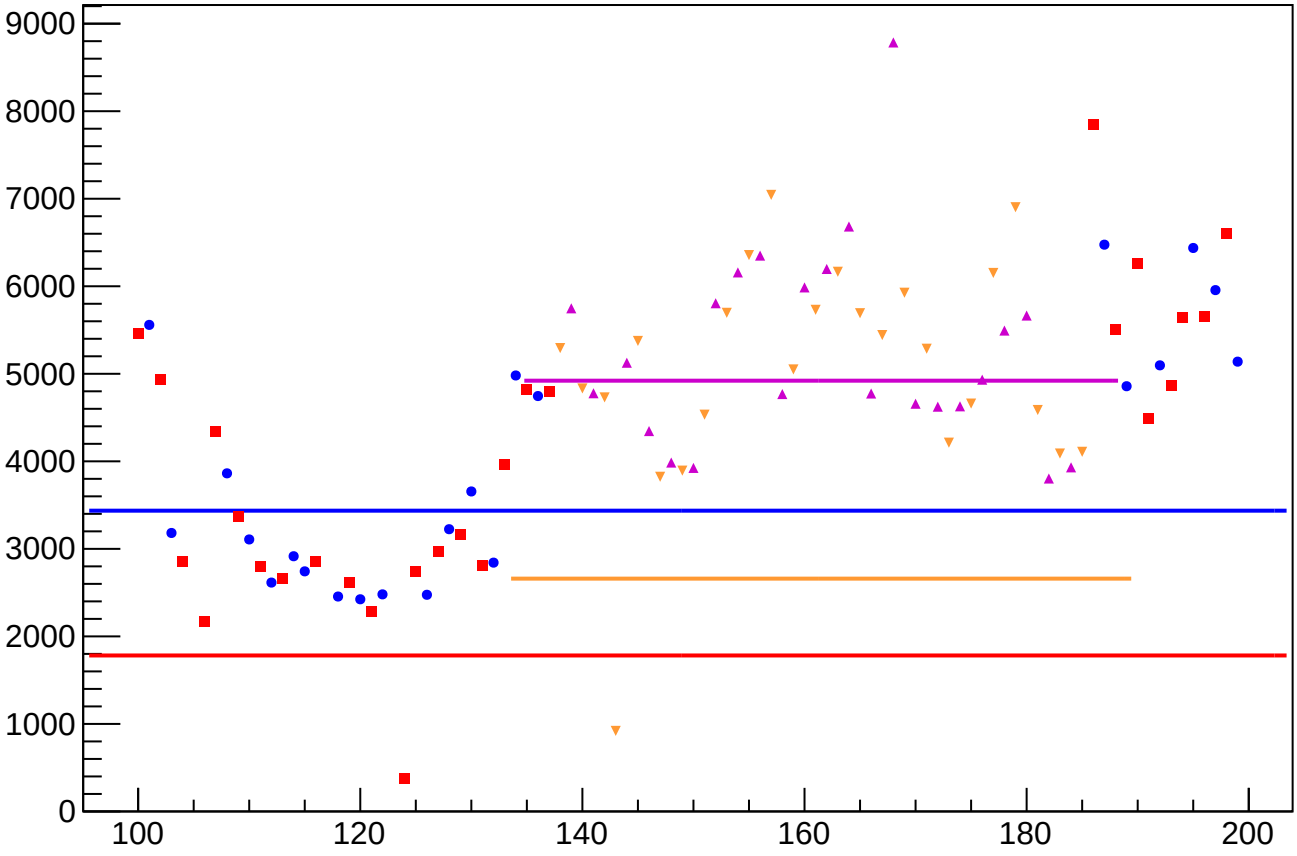
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -708.911+/-626.606 χ^2/NDF: 58.5/46

All: -497.535+/-434.208 χ^2/NDF: 111.0/96

- sign -302.277+/-602.243 χ^2/NDF: 52.3/49

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3436.239+/-0.759 χ^2/NDF: 2374283.7/21

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1782.064+/-0.496 χ^2/NDF: 12188542.3/26

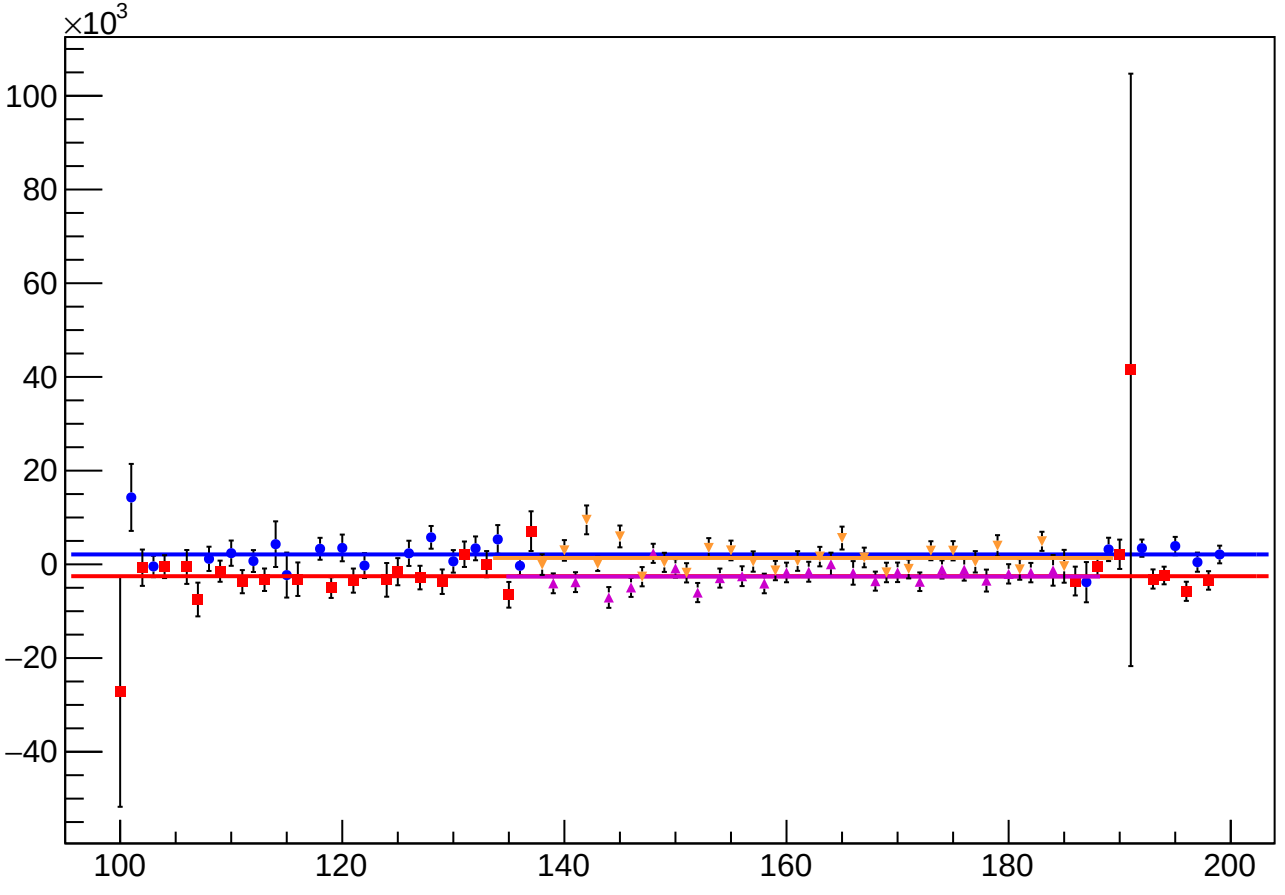
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2924.523+/-0.443 χ^2/NDF: 17600838.8/46

All: 2760.494+/-0.307 χ^2/NDF: 41847918.9/9

- sign 2608.971+/-0.426 χ^2/NDF: 23983426.0/49

dit_asym_atr1l2_avg_mean vs Slug



Right In: 2119.096+/-534.883 χ^2/NDF: 16.6/21

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2527.932+/-512.908 χ^2/NDF: 24.2/26

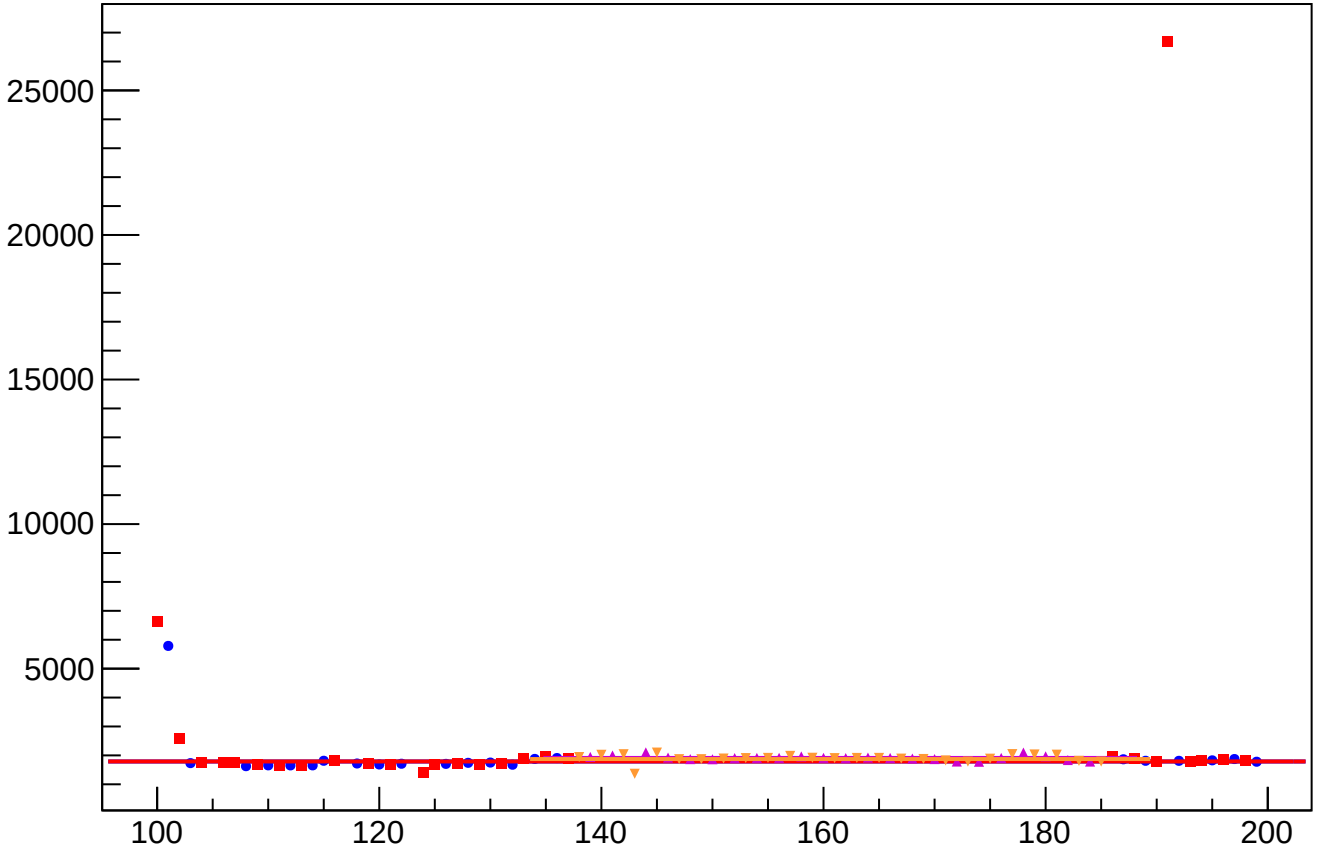
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1658.120+/-333.865 χ^2/NDF: 53.9/46

All: -437.232+/-237.135 χ^2/NDF: 177.7/96

- sign -2570.524+/-336.874 χ^2/NDF: 44.3/49

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1788.446+/-0.378 χ^2/NDF: 674654.0/21

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

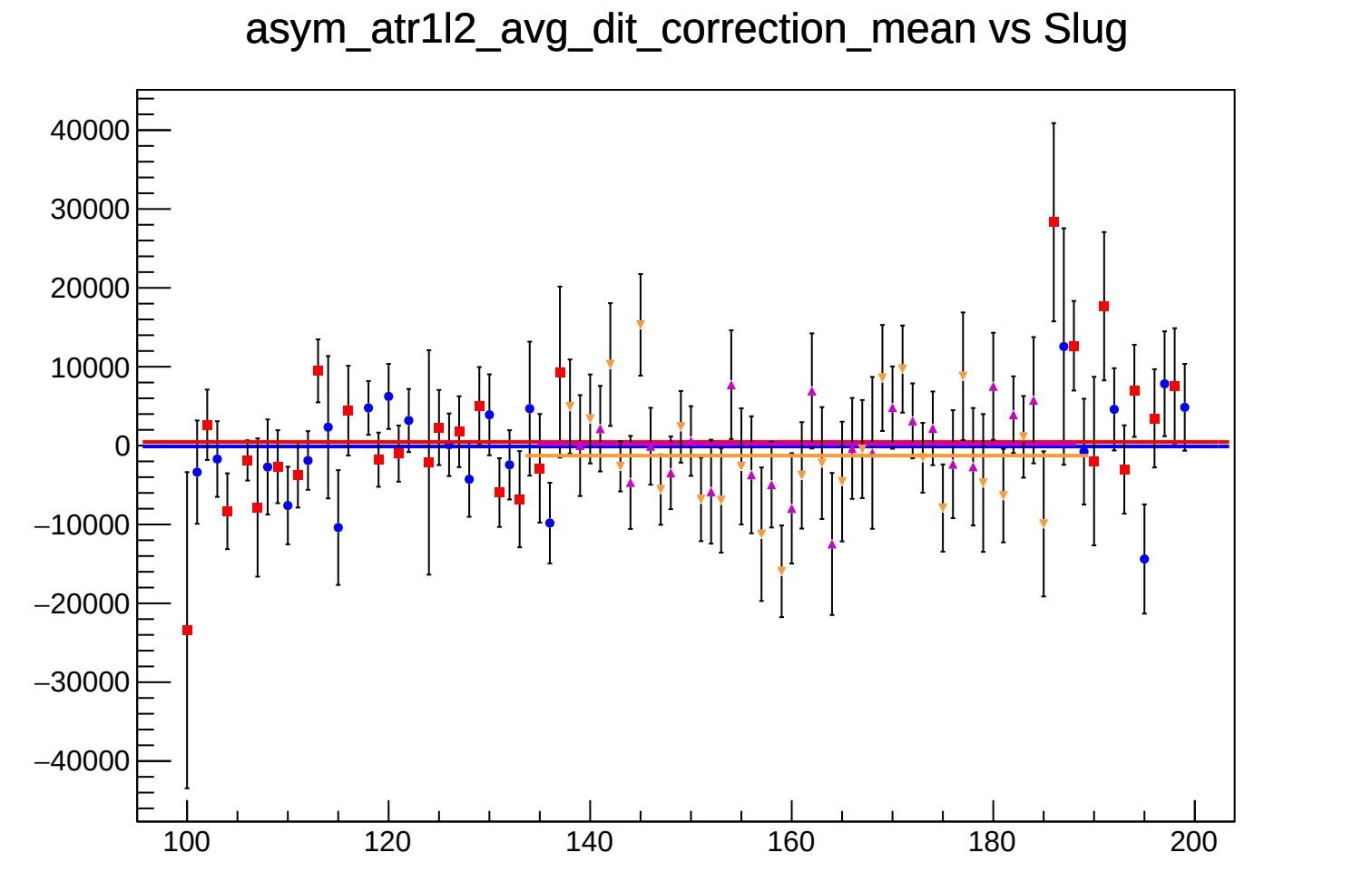
Right Out: 1790.444+/-0.362 χ^2/NDF: 554916.3/26

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1840.166+/-0.236 χ^2/NDF: 1015022.6/46

All: 1849.574+/-0.168 χ^2/NDF: 1695668.0/96

- sign 1859.140+/-0.238 χ^2/NDF: 677442.3/49



Right In: -112.621+/-1093.665 χ^2/NDF: 23.9/21

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 460.705+/-981.783 χ^2/NDF: 35.8/26

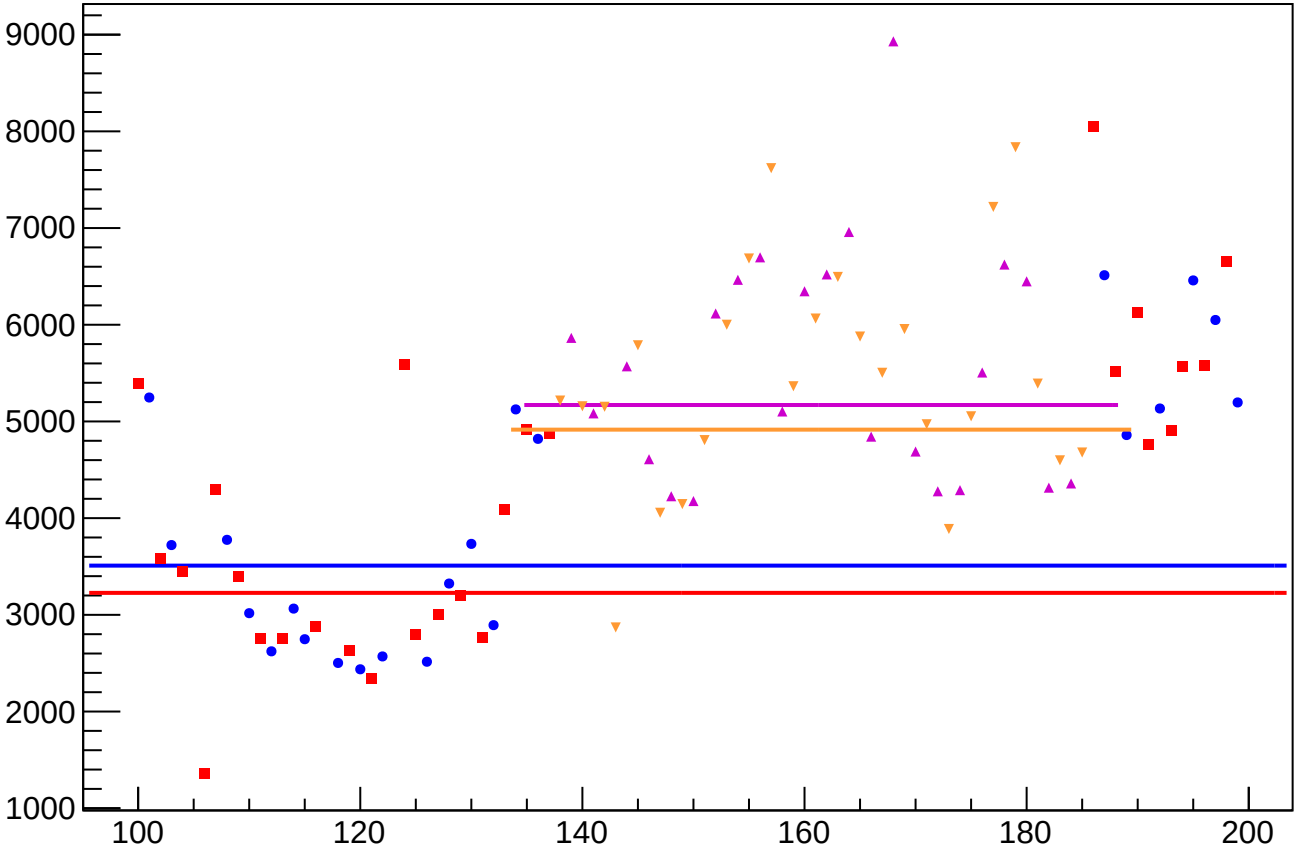
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -659.087+/-794.504 χ^2/NDF: 57.8/46

All: -133.309+/-552.345 χ^2/NDF: 107.2/96

- sign 358.508+/-768.416 χ^2/NDF: 48.5/49

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3509.020+/-0.773 χ^2/NDF: 2302681.0/21

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3227.176+/-0.694 χ^2/NDF: 3744831.1/26

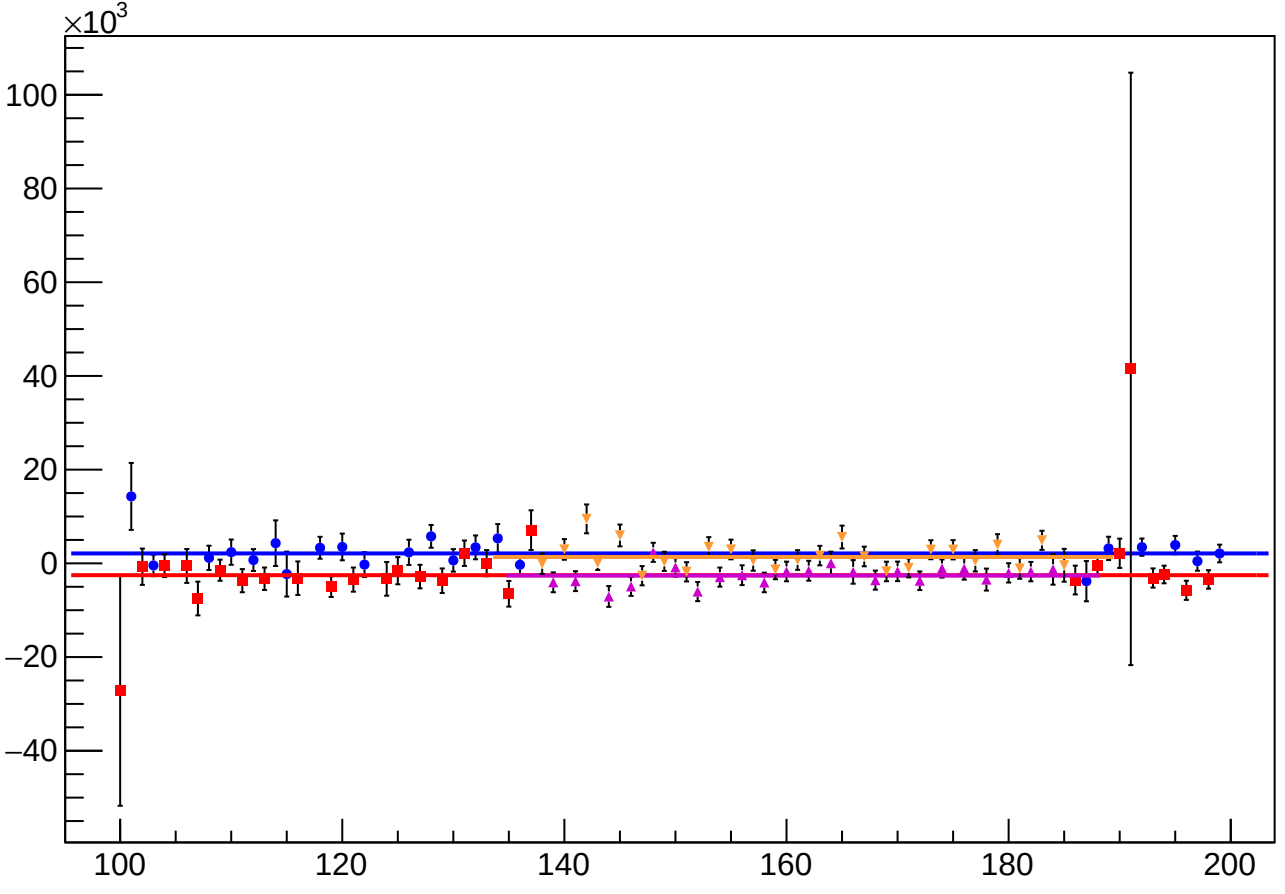
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4173.118+/-0.562 χ^2/NDF: 6030431.3/46

All: 4073.273+/-0.391 χ^2/NDF: 14219428.6/9

- sign 3979.879+/-0.543 χ^2/NDF: 8127867.2/49

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2119.094+/-534.883 χ^2/NDF: 16.6/21

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2527.931+/-512.908 χ^2/NDF: 24.2/26

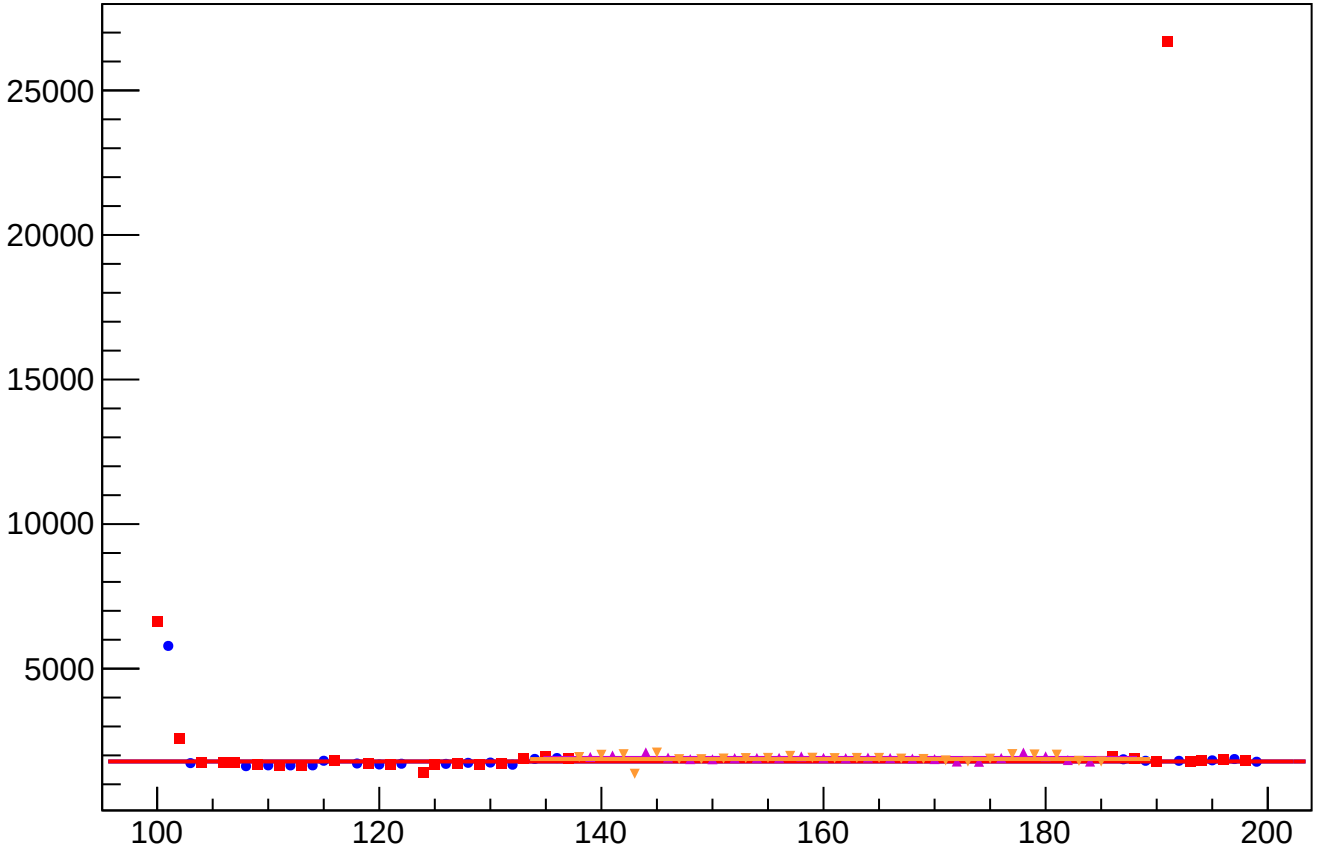
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1658.118+/-333.866 χ^2/NDF: 53.9/46

All: -437.232+/-237.135 χ^2/NDF: 177.7/96

- sign -2570.522+/-336.875 χ^2/NDF: 44.3/49

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1788.446+/-0.378 χ^2/NDF: 674654.0/21

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

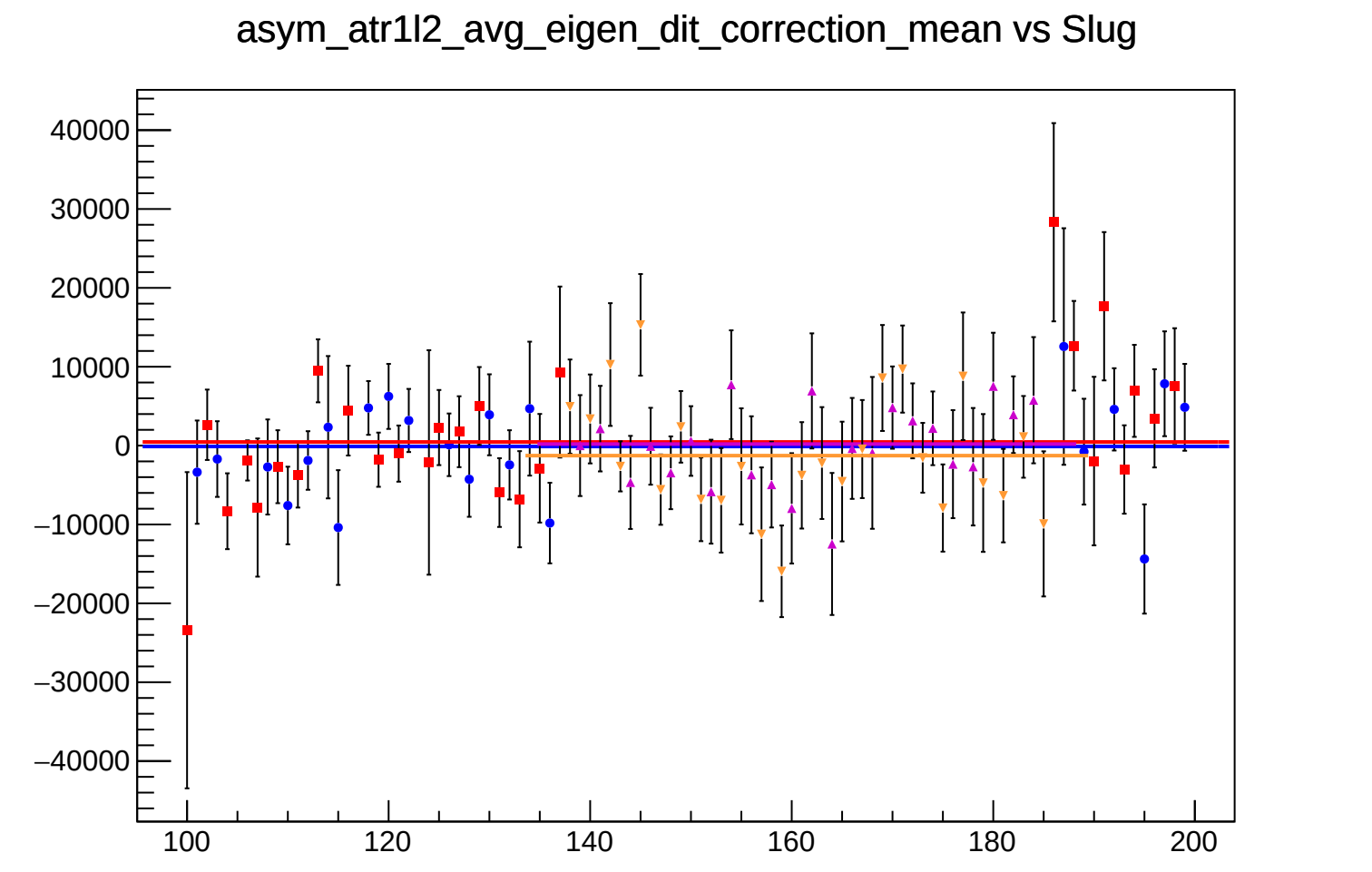
Right Out: 1790.444+/-0.362 χ^2/NDF: 554916.3/26

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1840.166+/-0.236 χ^2/NDF: 1015026.8/46

All: 1849.575+/-0.168 χ^2/NDF: 1695675.6/96

- sign 1859.140+/-0.238 χ^2/NDF: 677445.7/49



Right In: -112.618+/-1093.663 χ^2/NDF: 23.9/21

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 460.697+/-981.780 χ^2/NDF: 35.8/26

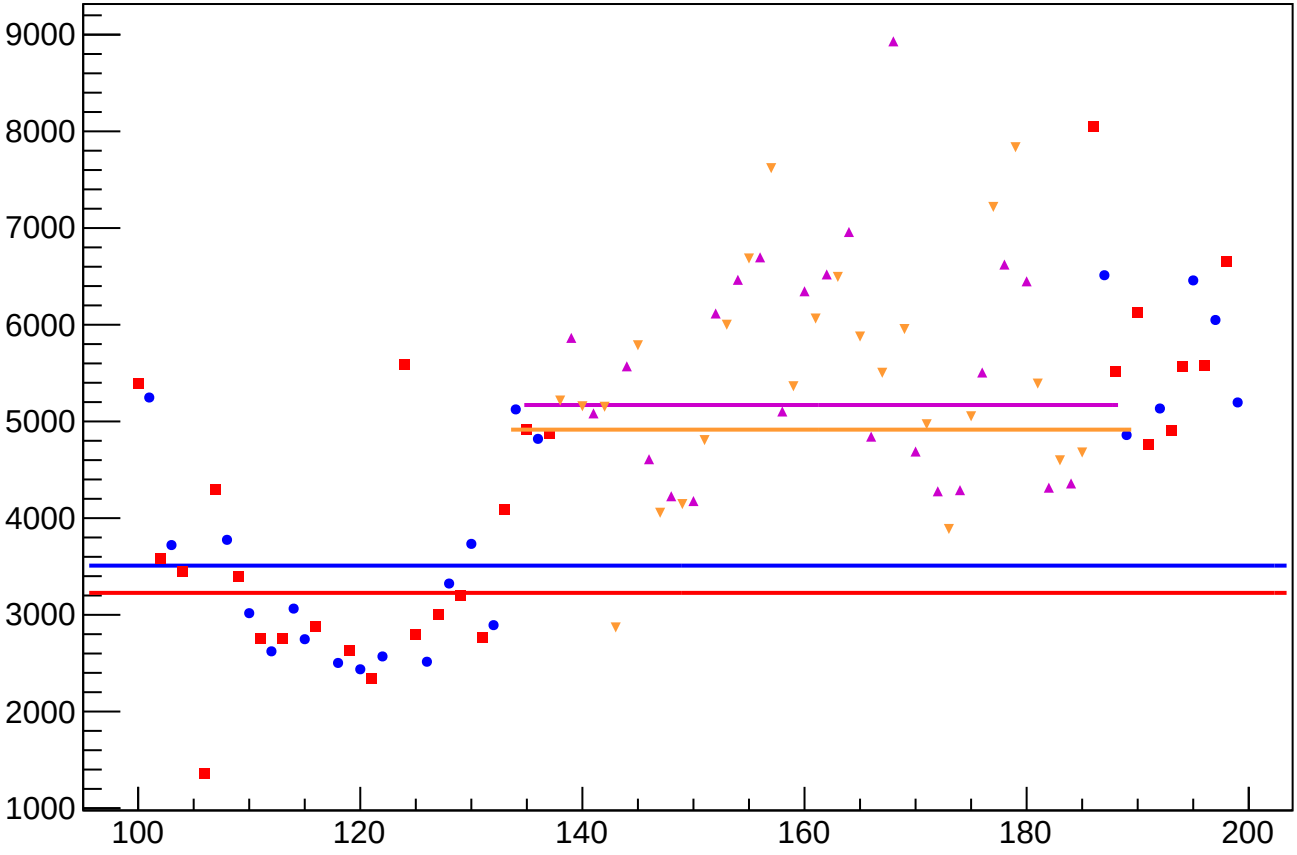
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -659.085+/-794.503 χ^2/NDF: 57.8/46

All: -133.310+/-552.344 χ^2/NDF: 107.2/96

- sign 358.504+/-768.415 χ^2/NDF: 48.5/49

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3509.009+/-0.773 χ^2/NDF: 2302711.1/21

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3227.162+/-0.694 χ^2/NDF: 3744879.1/26

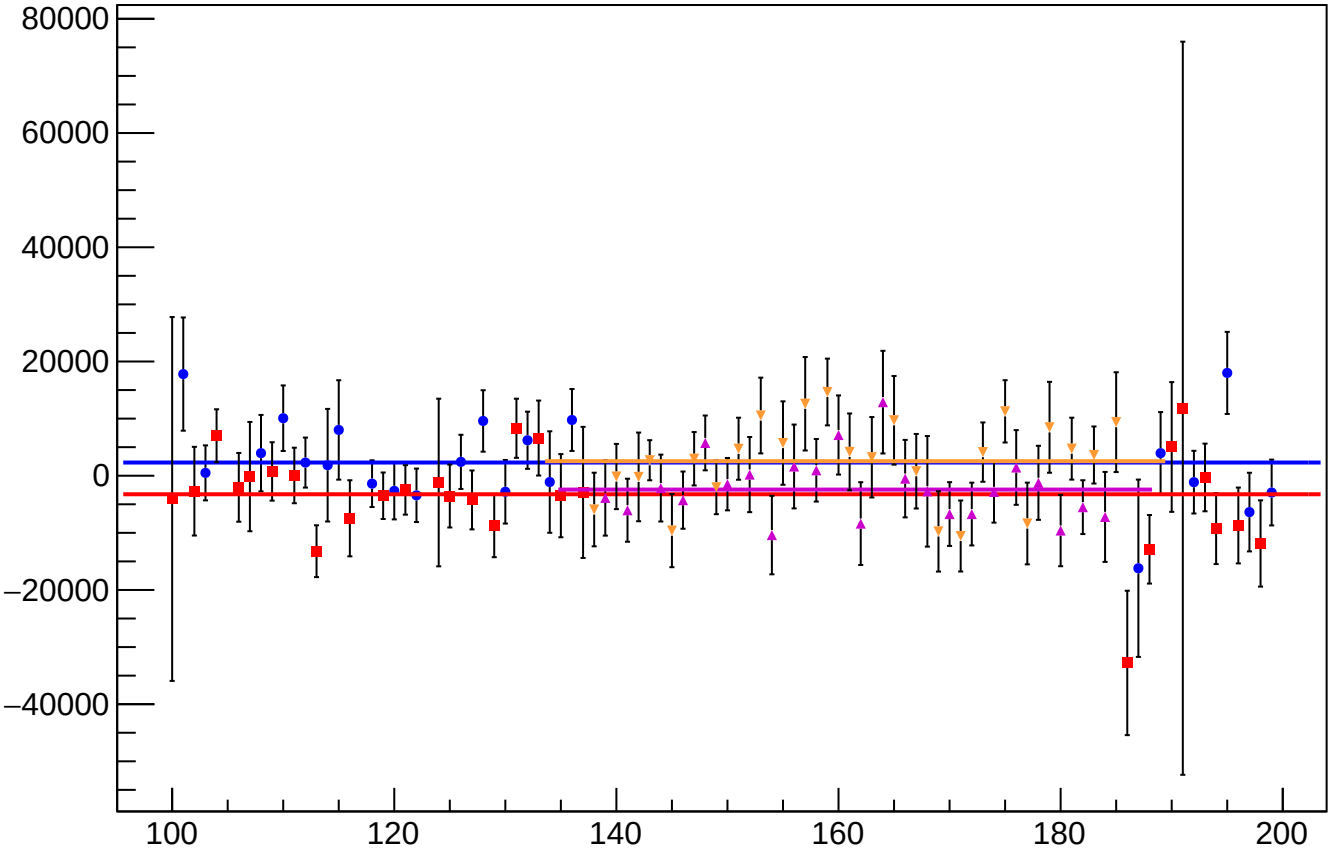
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4173.112+/-0.562 χ^2/NDF: 6030508.8/46

All: 4073.266+/-0.391 χ^2/NDF: 14219626.5/9

- sign 3979.869+/-0.543 χ^2/NDF: 8127984.9/49

asym_atr1l2_avg_mean vs Slug



Right In: 2311.178+/-1238.016 χ^2/NDF: 22.6/21

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3245.287+/-1195.713 χ^2/NDF: 31.4/26

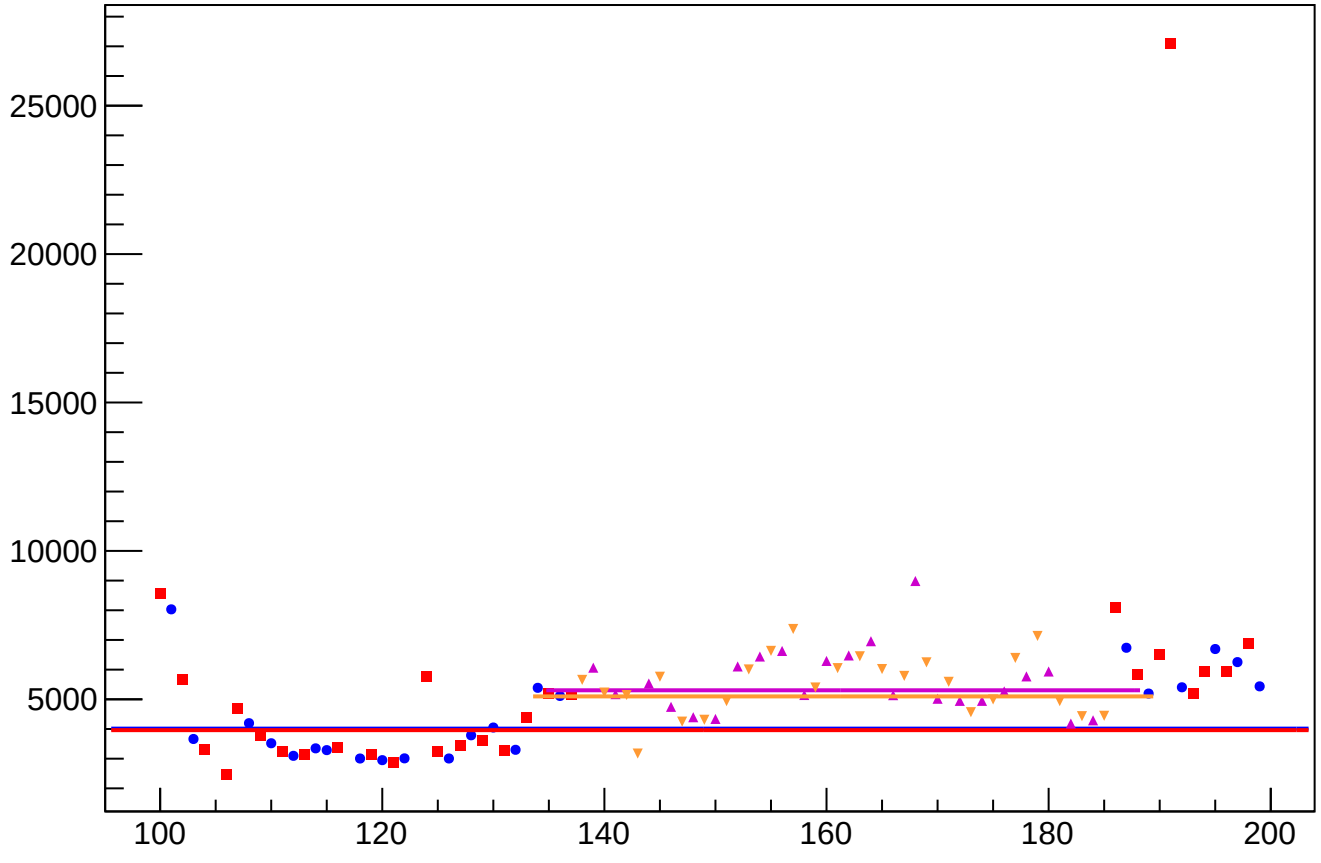
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2434.019+/-857.055 χ^2/NDF: 51.7/46

All: -179.582+/-609.592 χ^2/NDF: 117.2/96

- sign -2855.550+/-867.220 χ^2/NDF: 46.7/49

asym_atr1l2_avg_rms vs Slug



Right In: 4012.190+/-0.875 χ^2/NDF: 1891142.3/21

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

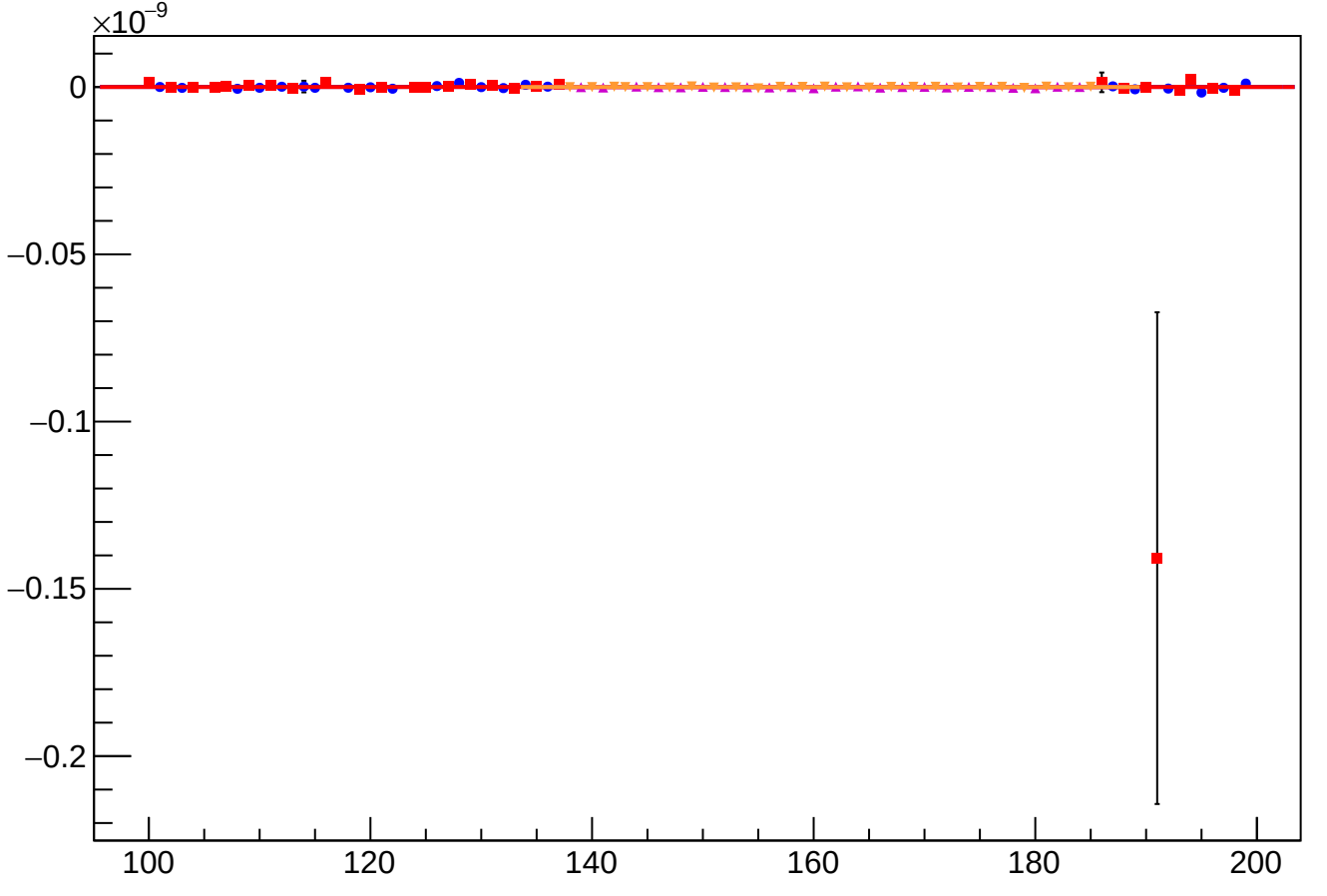
Right Out: 3961.225+/-0.835 χ^2/NDF: 2488771.3/26

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4577.619+/-0.606 χ^2/NDF: 4236668.6/46

All: 4583.521+/-0.430 χ^2/NDF: 8953373.3/96

- sign 4589.485+/-0.609 χ^2/NDF: 4716514.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

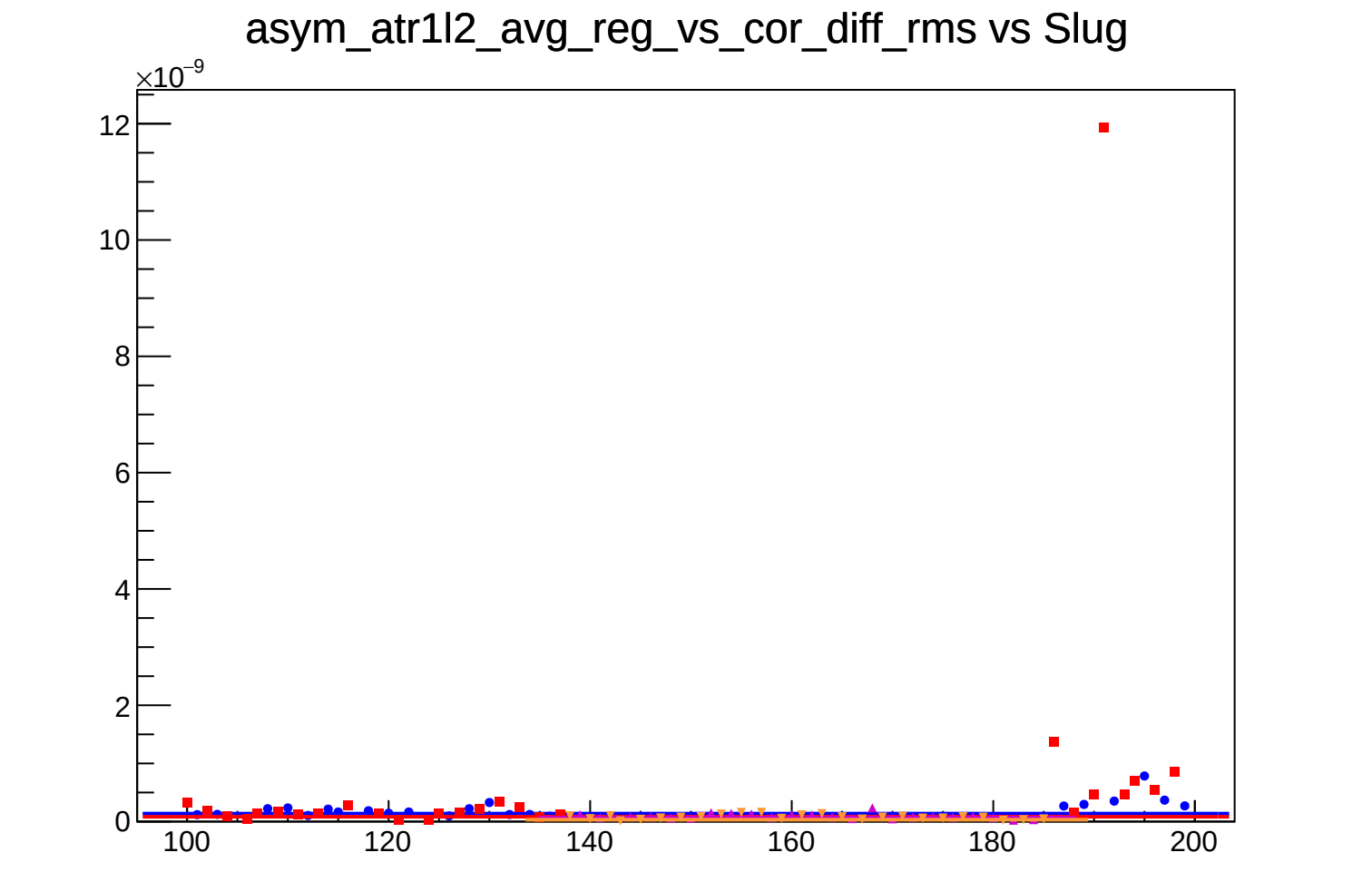
Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/26

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/46

All: 0.000+/-0.000 χ^2/NDF: 99.4/96

- sign 0.000+/-0.000 χ^2/NDF: 58.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 2016301.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5436812.7/26

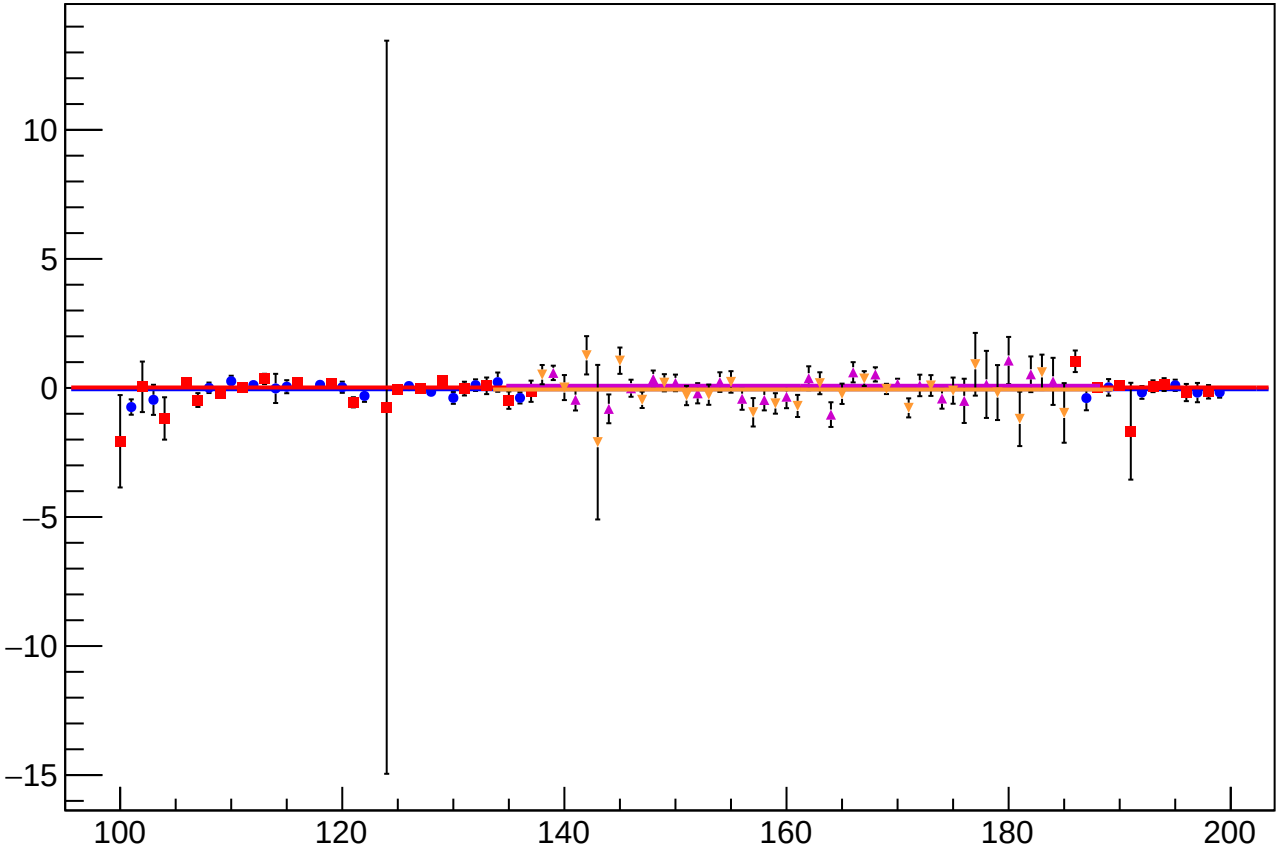
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12271275.1/46

All: 0.000+/-0.000 χ^2/NDF: 22652124.4/96

- sign 0.000+/-0.000 χ^2/NDF: 8023202.8/49

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.043 χ^2/NDF: 36.7/26

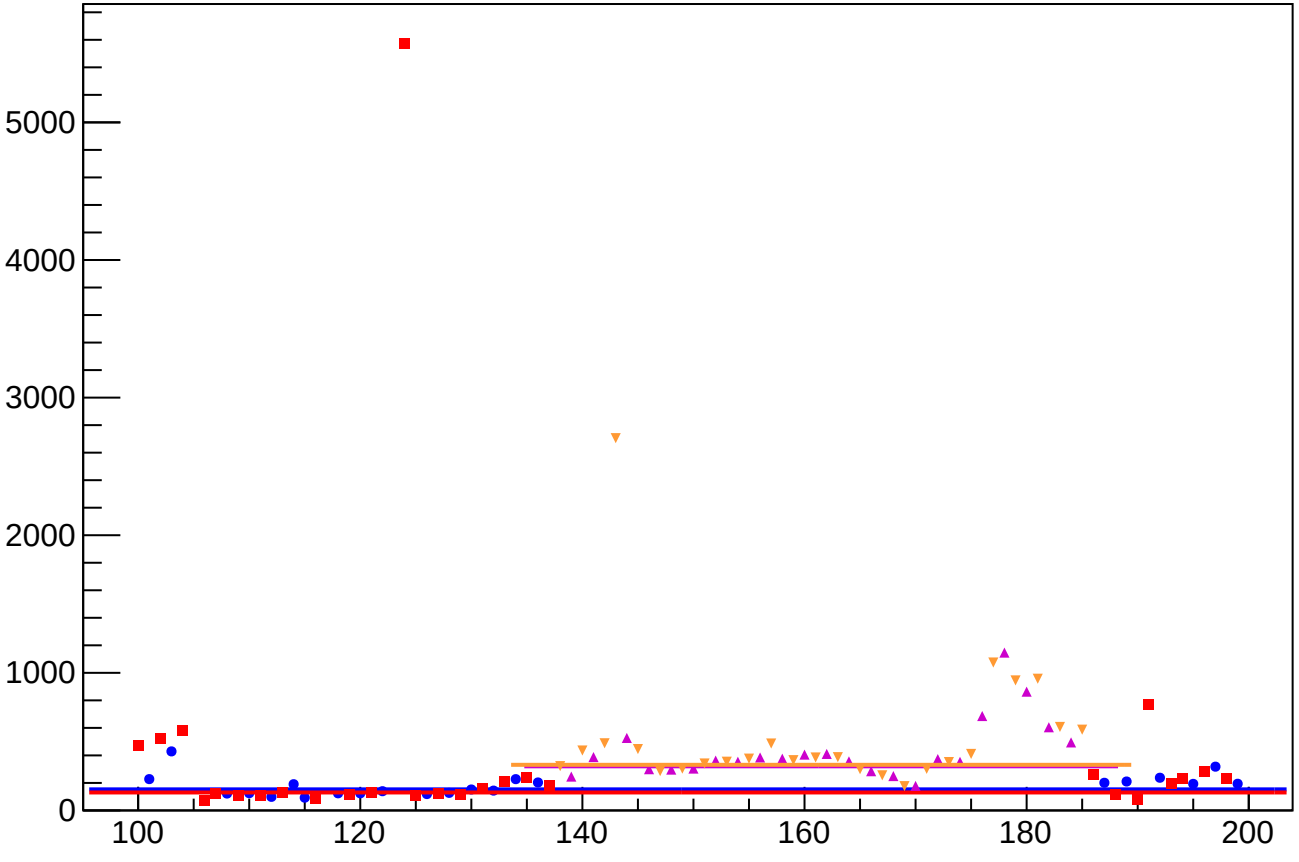
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.053+/-0.043 χ^2/NDF: 50.5/46

All: -0.005+/-0.028 χ^2/NDF: 117.0/96

- sign 0.032+/-0.038 χ^2/NDF: 64.2/49

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 153.322+/-0.035 χ^2/NDF: 2279542.1/21

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 130.741+/-0.030 χ^2/NDF: 4087960.9/26

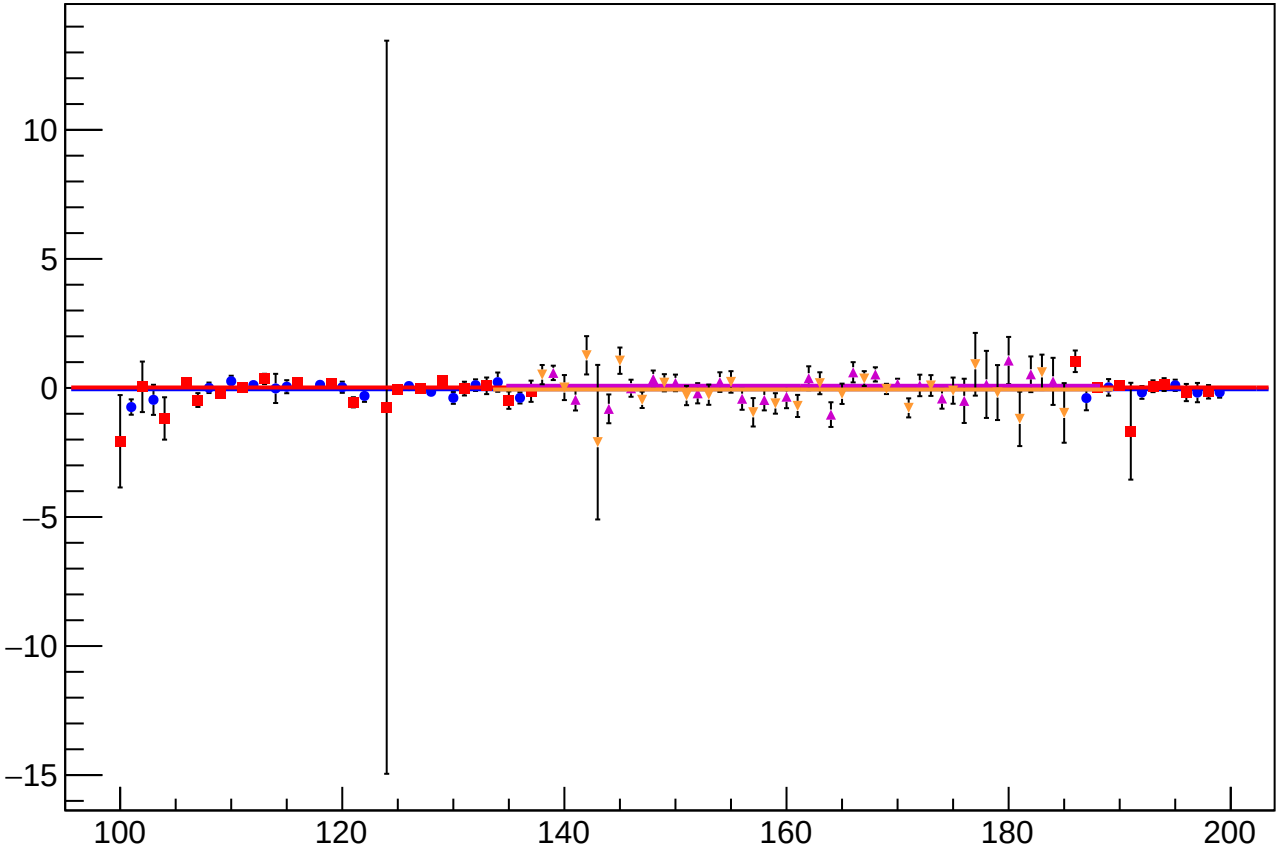
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 199.974+/-0.030 χ^2/NDF: 14822558.2/46

All: 184.309+/-0.020 χ^2/NDF: 32216275.6/96

- sign 172.066+/-0.027 χ^2/NDF: 16916566.1/49

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

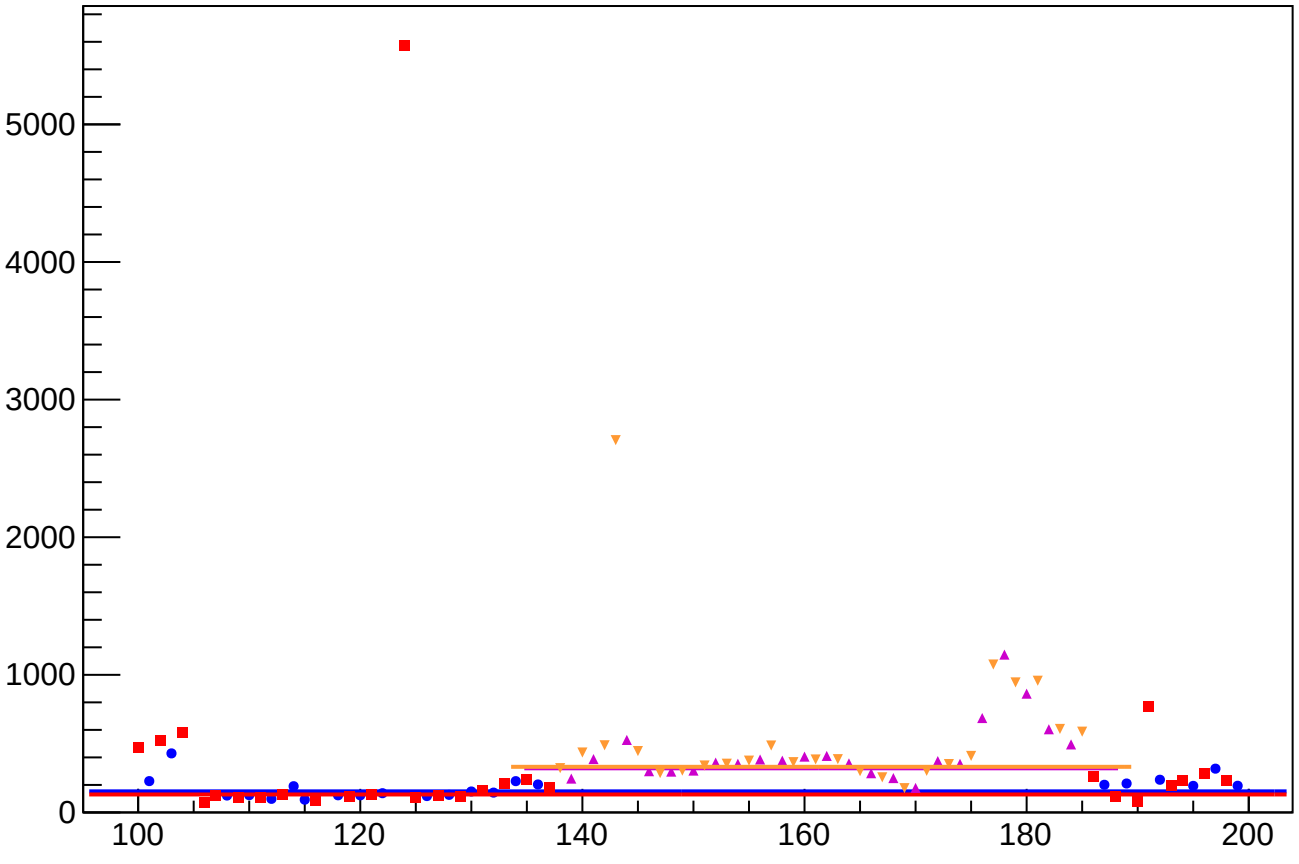
Right Out: 0.018+/-0.043 χ^2/NDF: 36.7/26

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.053+/-0.043 χ^2/NDF: 50.5/46

All: -0.005+/-0.028 χ^2/NDF: 117.0/96

- sign 0.032+/-0.038 χ^2/NDF: 64.2/49



Right In: 153.322+/-0.035 χ^2/NDF: 2279542.1/21

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

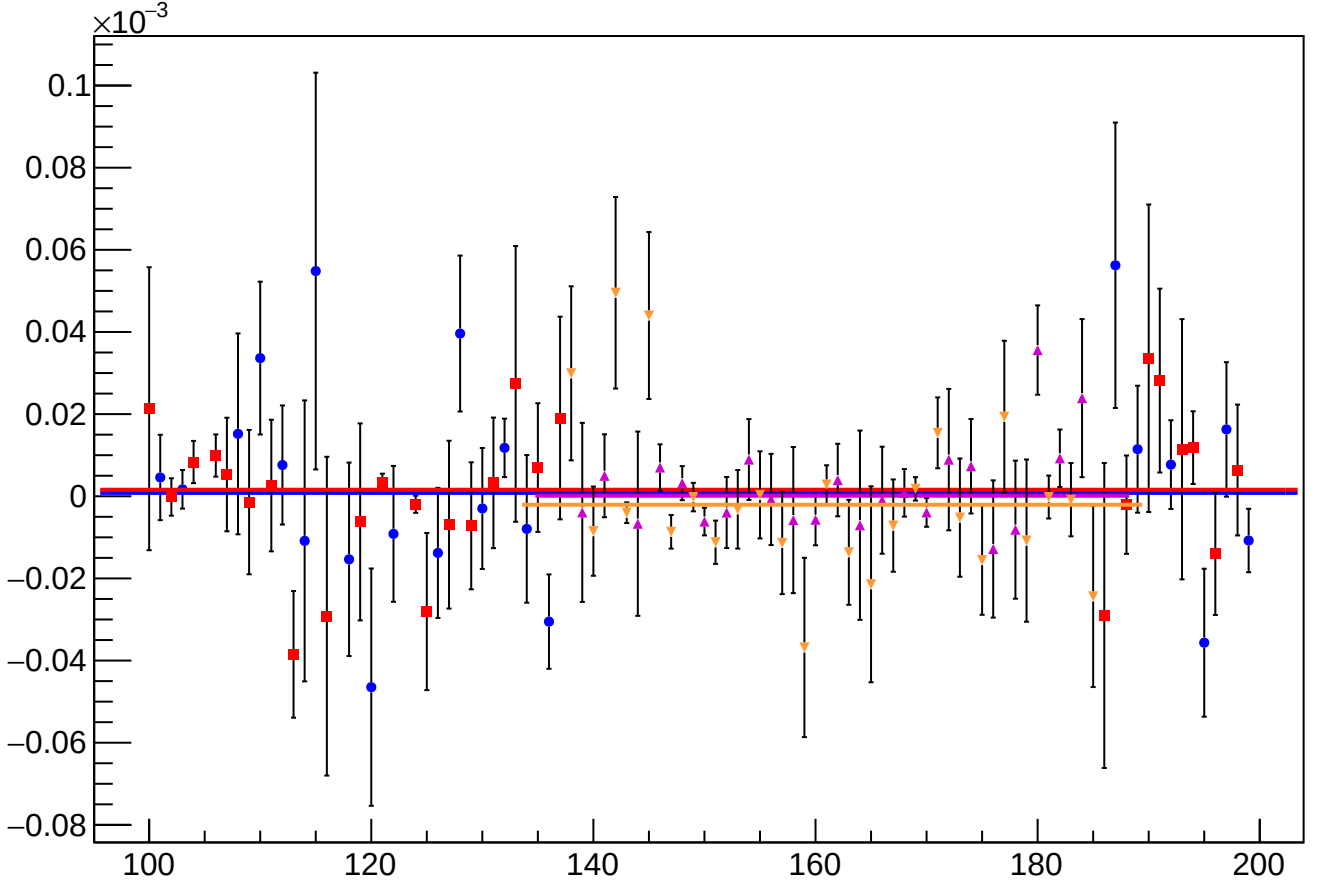
Right Out: 130.741+/-0.030 χ^2/NDF: 4087960.9/26

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 199.974+/-0.030 χ^2/NDF: 14822558.2/46

All: 184.309+/-0.020 χ^2/NDF: 32216275.6/96

- sign 172.066+/-0.027 χ^2/NDF: 16916566.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/21

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

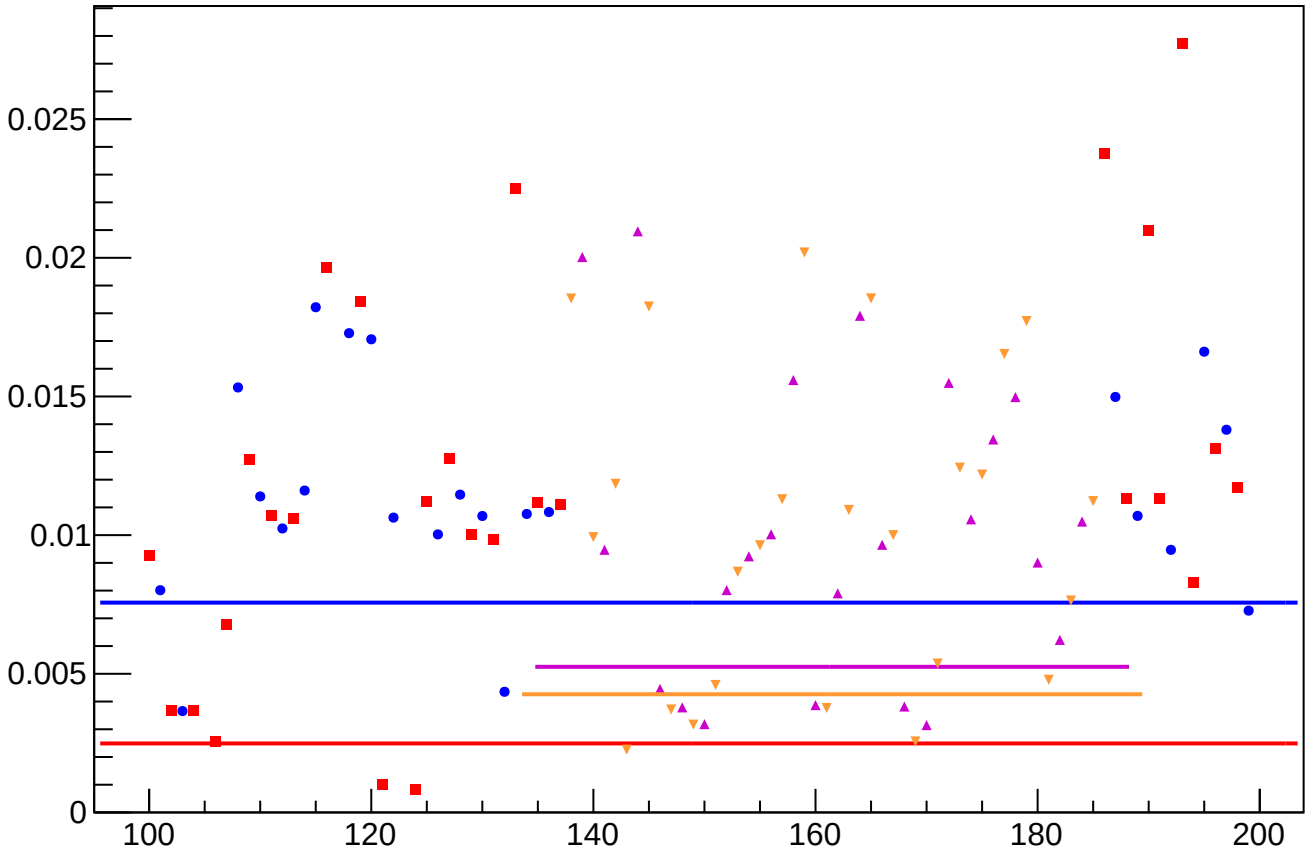
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/26

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.4/46

All: -0.000+/-0.000 χ^2/NDF: 124.6/96

- sign 0.000+/-0.000 χ^2/NDF: 51.2/49



Right In: 0.008+/-0.000 χ^2/NDF: 4380724.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 15640120.8/26

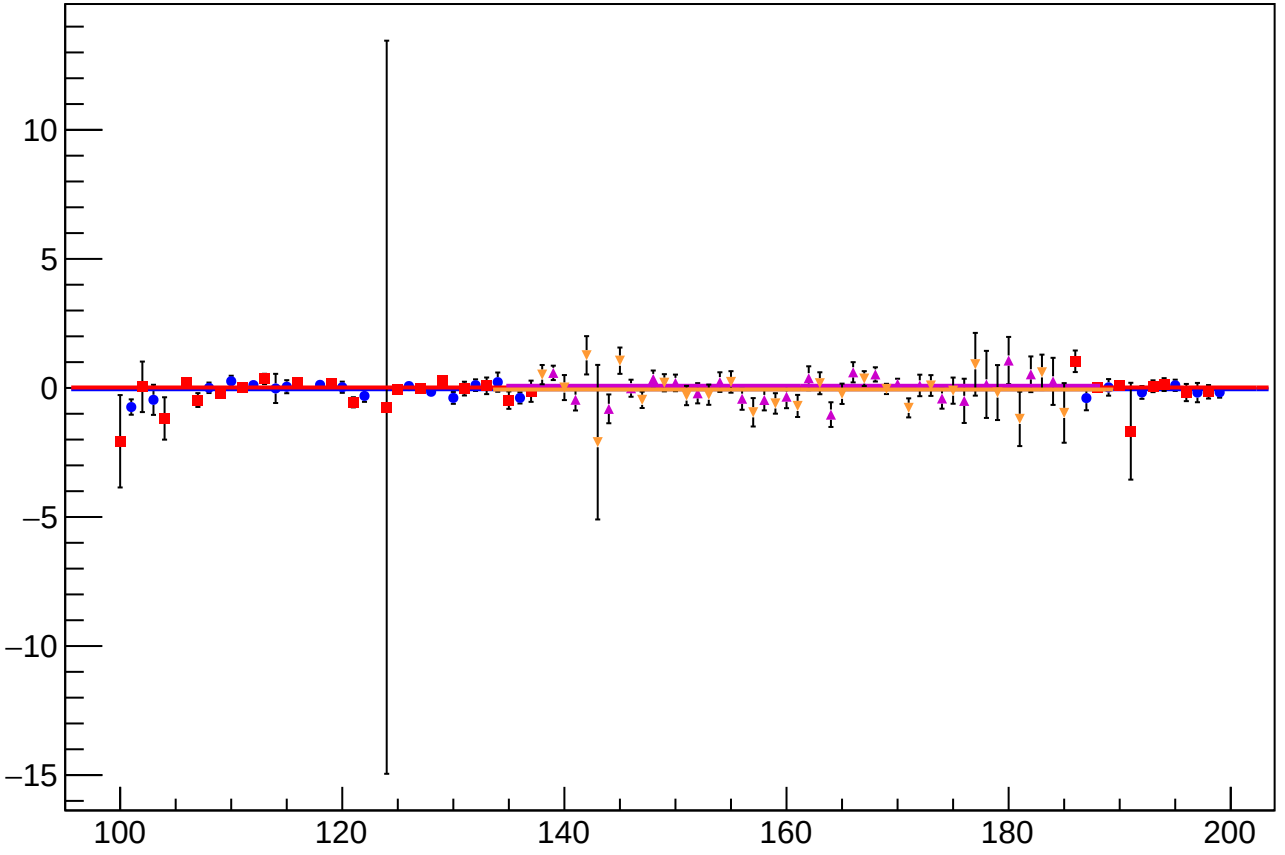
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 20017936.1/46

All: 0.004+/-0.000 χ^2/NDF: 50783174.3/96

- sign 0.004+/-0.000 χ^2/NDF: 29181628.6/49

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

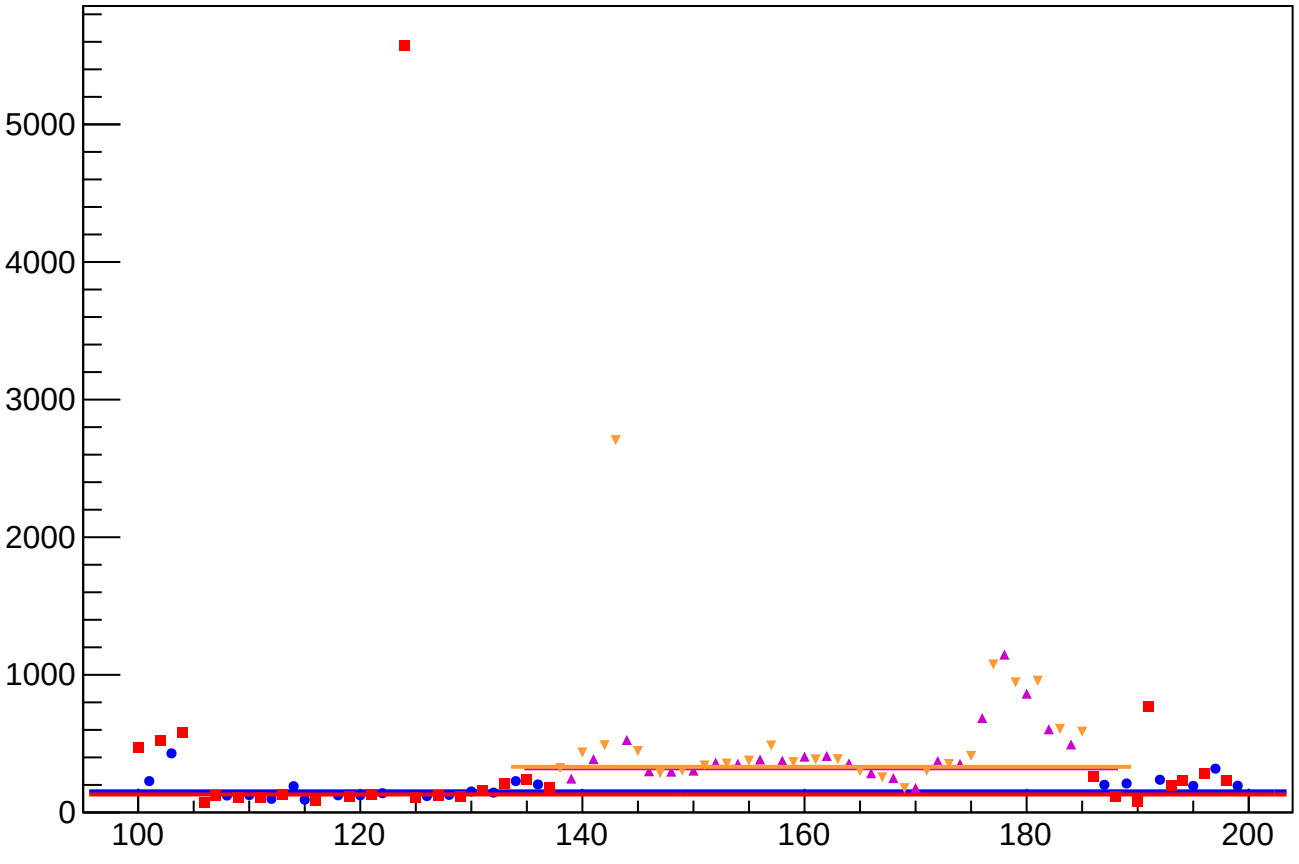
Right Out: 0.018+/-0.043 χ^2/NDF: 36.7/26

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.053+/-0.043 χ^2/NDF: 50.5/46

All: -0.005+/-0.028 χ^2/NDF: 117.0/96

- sign 0.032+/-0.038 χ^2/NDF: 64.2/49



Right In: 153.323+/-0.035 χ^2/NDF: 2279460.9/21

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

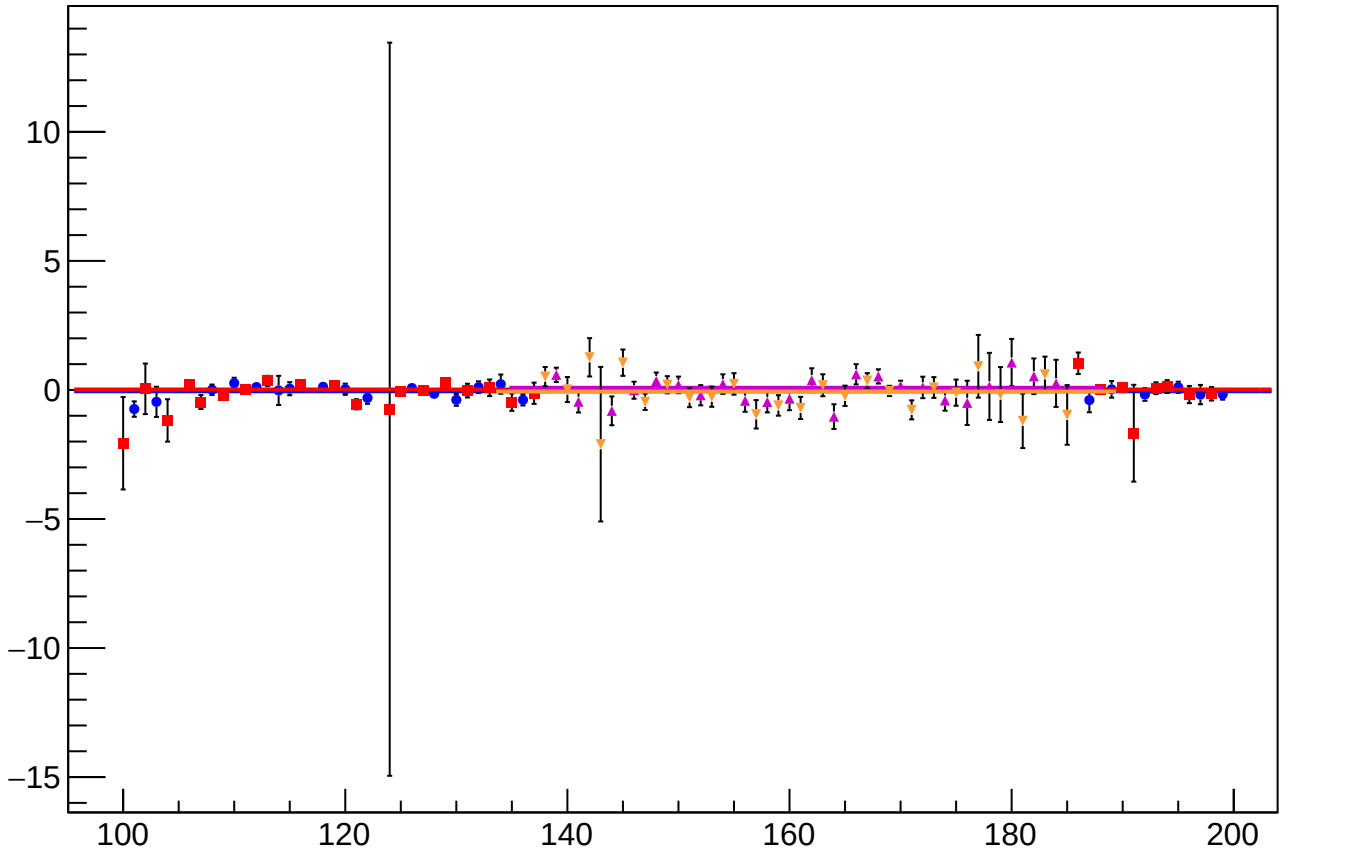
Right Out: 130.741+/-0.030 χ^2/NDF: 4087922.0/26

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 199.975+/-0.030 χ^2/NDF: 14822532.8/46

All: 184.309+/-0.020 χ^2/NDF: 32216450.2/96

- sign 172.066+/-0.027 χ^2/NDF: 16916716.8/49



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

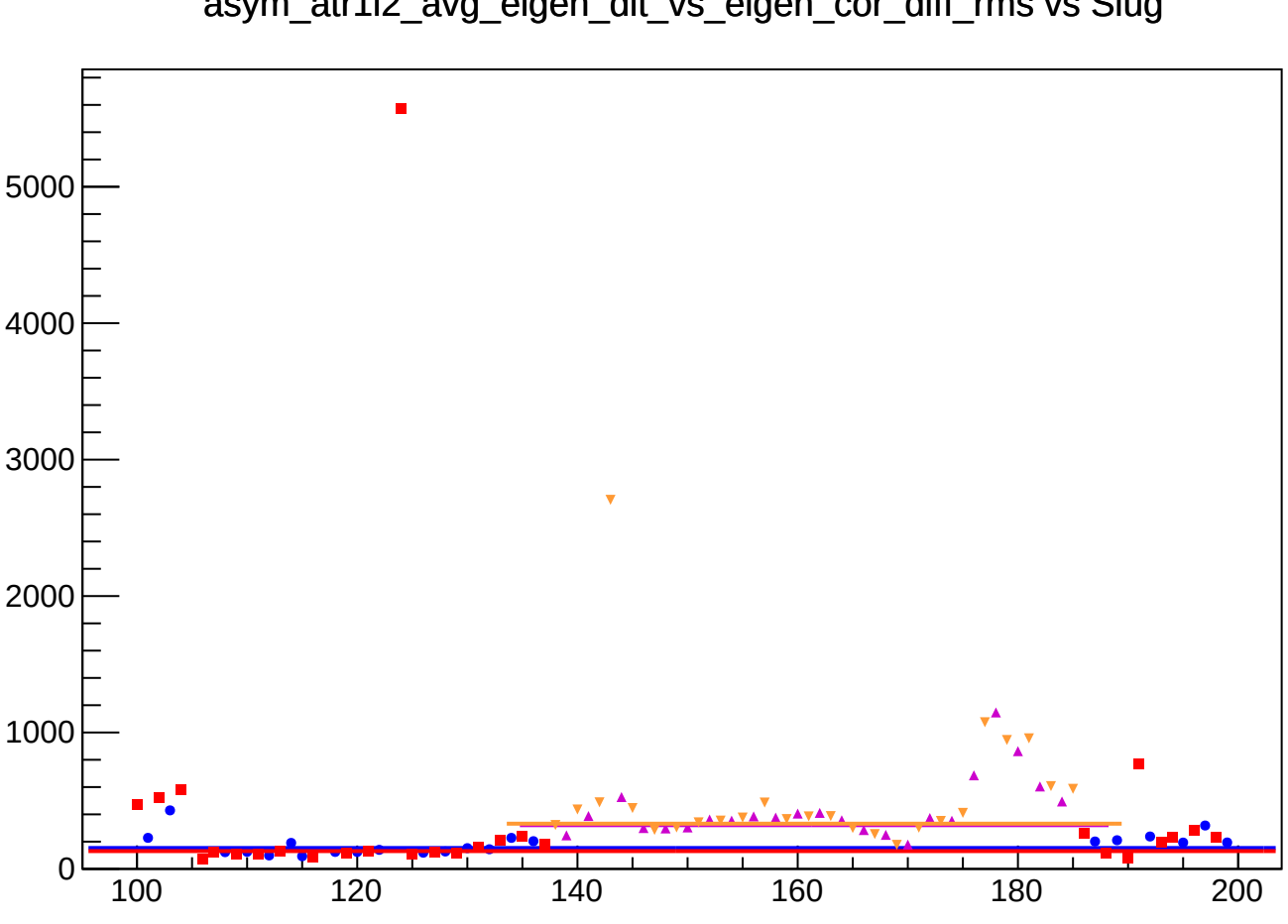
Right Out: 0.018+/-0.043 χ^2/NDF: 36.7/26

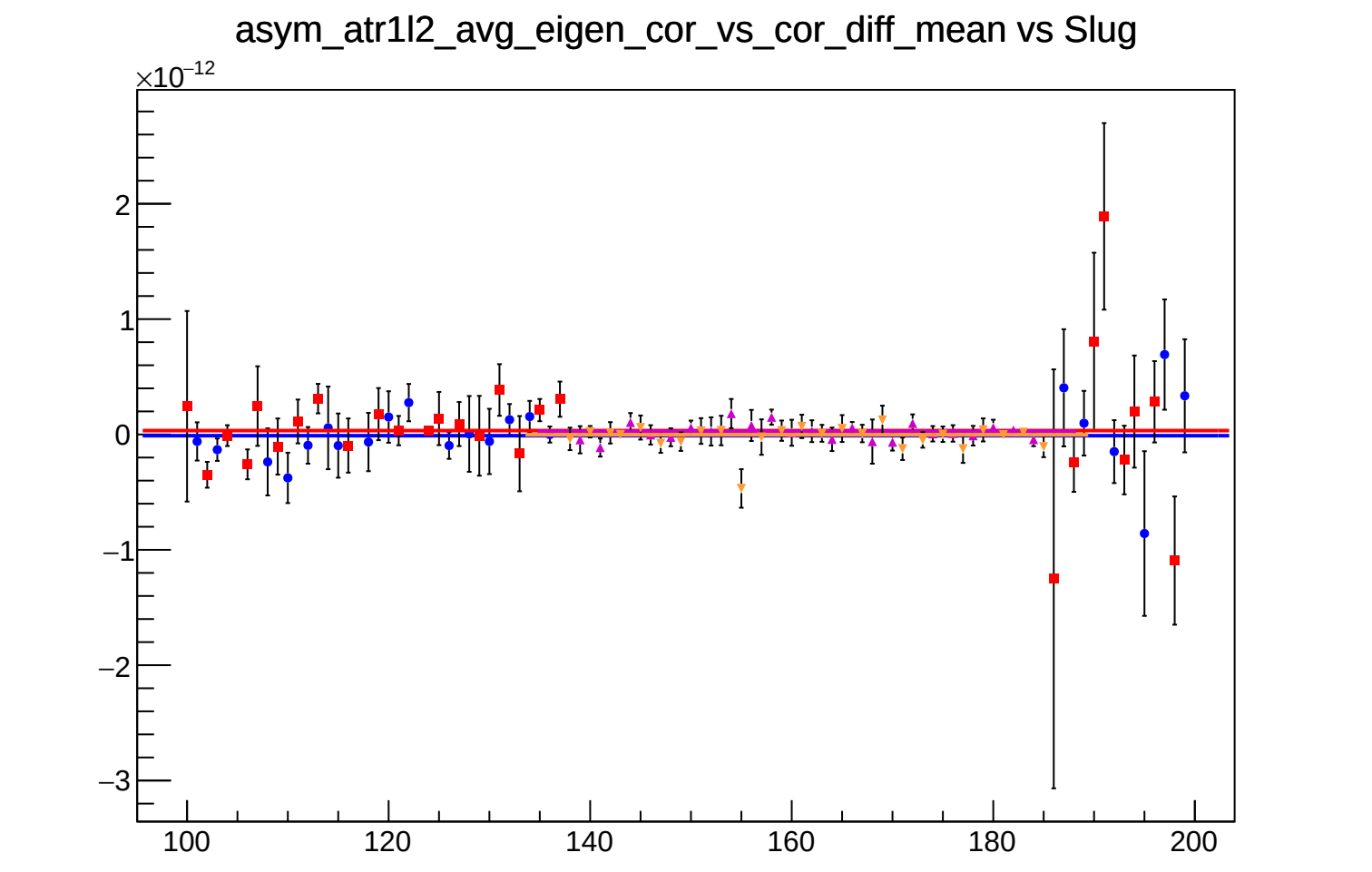
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

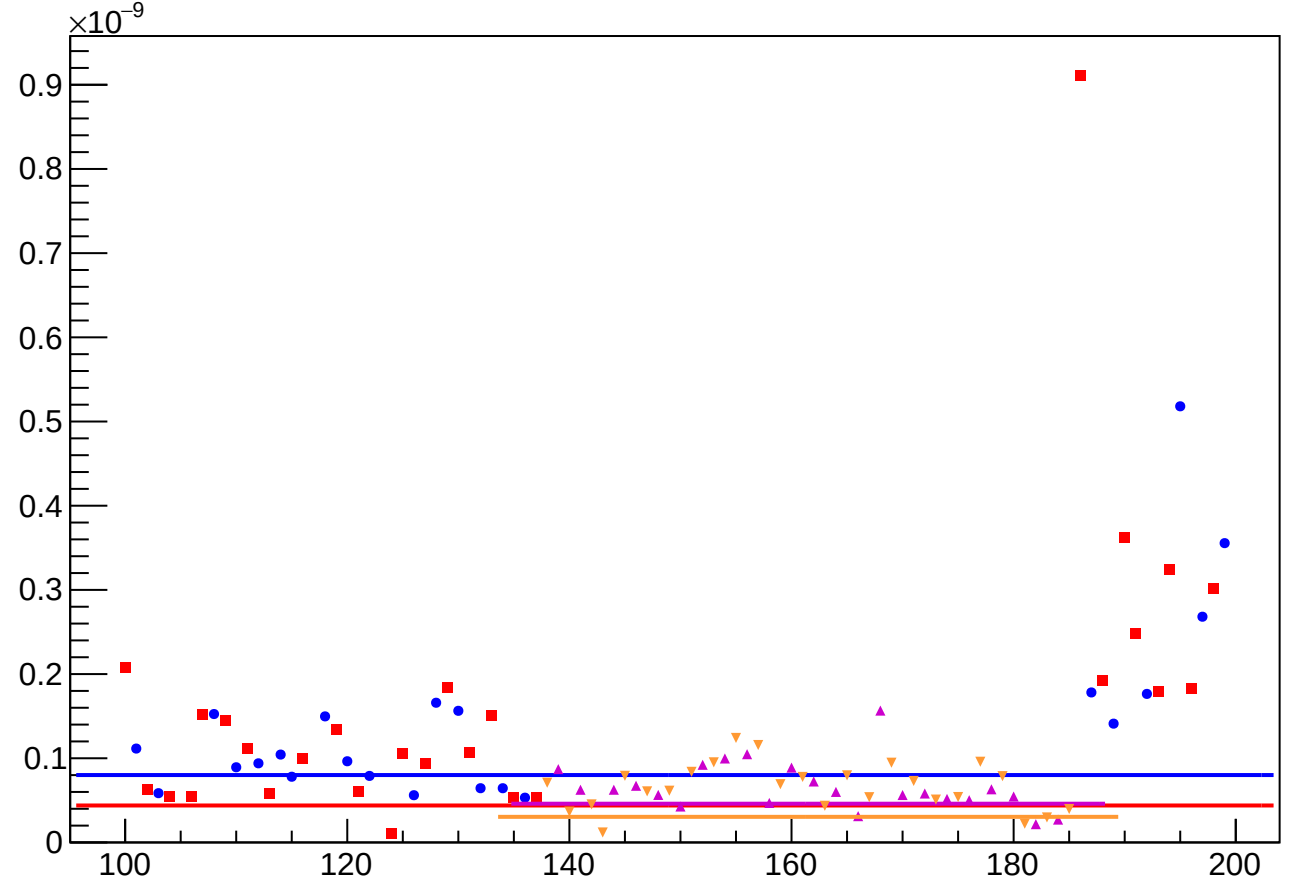
+ sign -0.053+/-0.043 χ^2/NDF: 50.5/46

All: -0.005+/-0.028 χ^2/NDF: 117.0/96

- sign 0.032+/-0.038 χ^2/NDF: 64.2/49


asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 153.323+/-0.035 χ²/NDF: 2279460.9/21
Left Out: 331.653+/-0.059 χ²/NDF:5838264.0/24
Right Out: 130.741+/-0.030 χ²/NDF: 4087922.0/26
Left In: 320.749+/-0.057 χ²/NDF:4248171.3/22
+ sign 199.975+/-0.030 χ²/NDF: 14822532.8/46
All: 184.309+/-0.020 χ²/NDF: 32216450.2/96
- sign 172.066+/-0.027 χ²/NDF: 16916716.8/49


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.5/21
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 46.5/26
Left In: 0.000+/-0.000 χ²/NDF:16.1/22
+ sign -0.000+/-0.000 χ²/NDF: 34.5/46
All: 0.000+/-0.000 χ²/NDF: 101.1/96
- sign 0.000+/-0.000 χ²/NDF: 62.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 3319108.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7761953.4/26

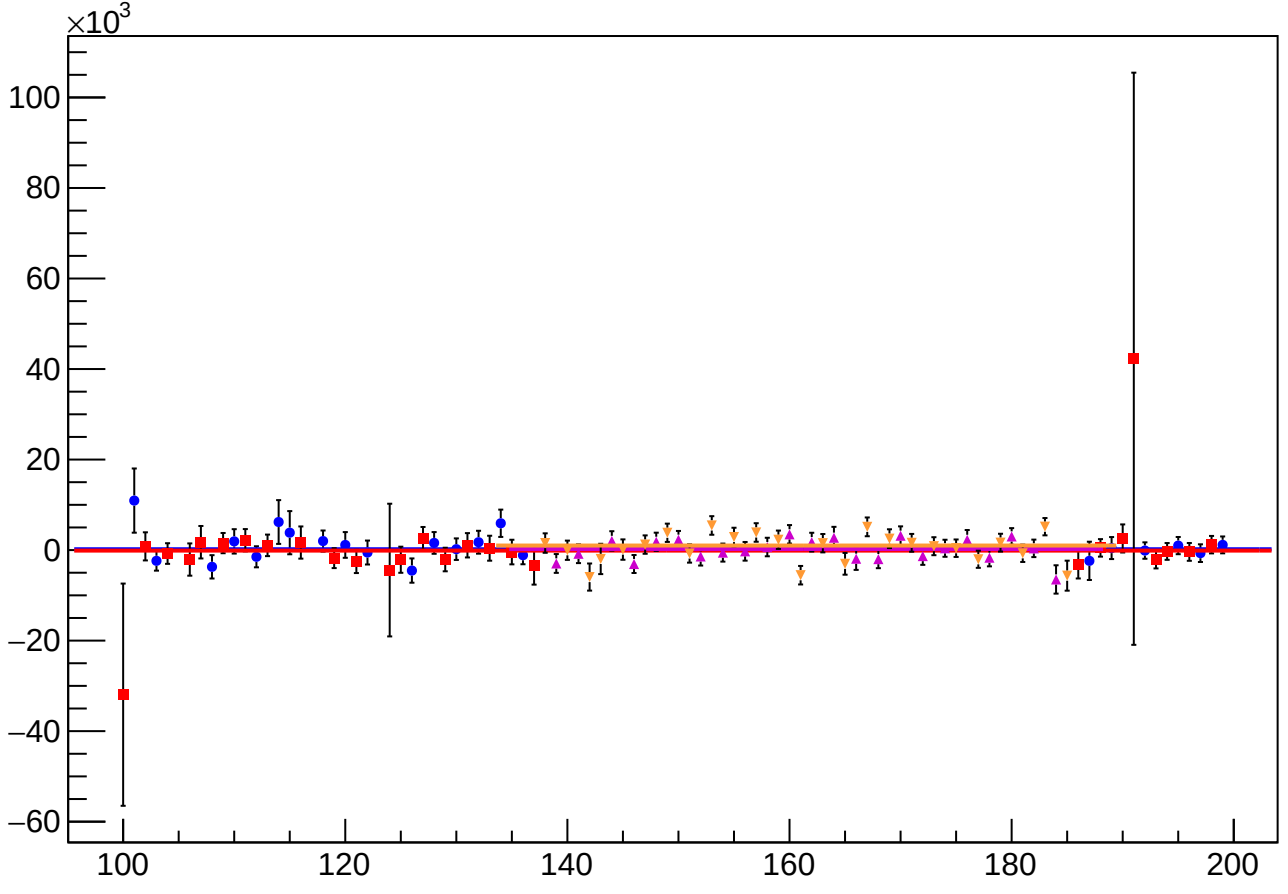
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 17286736.6/46

All: 0.000+/-0.000 χ^2/NDF: 30882838.4/96

- sign 0.000+/-0.000 χ^2/NDF: 12672257.7/49

reg_asym_atr1l2_dd_mean vs Slug



Right In: 188.063+/-526.811 χ^2/NDF: 18.7/21

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -112.047+/-508.167 χ^2/NDF: 12.7/26

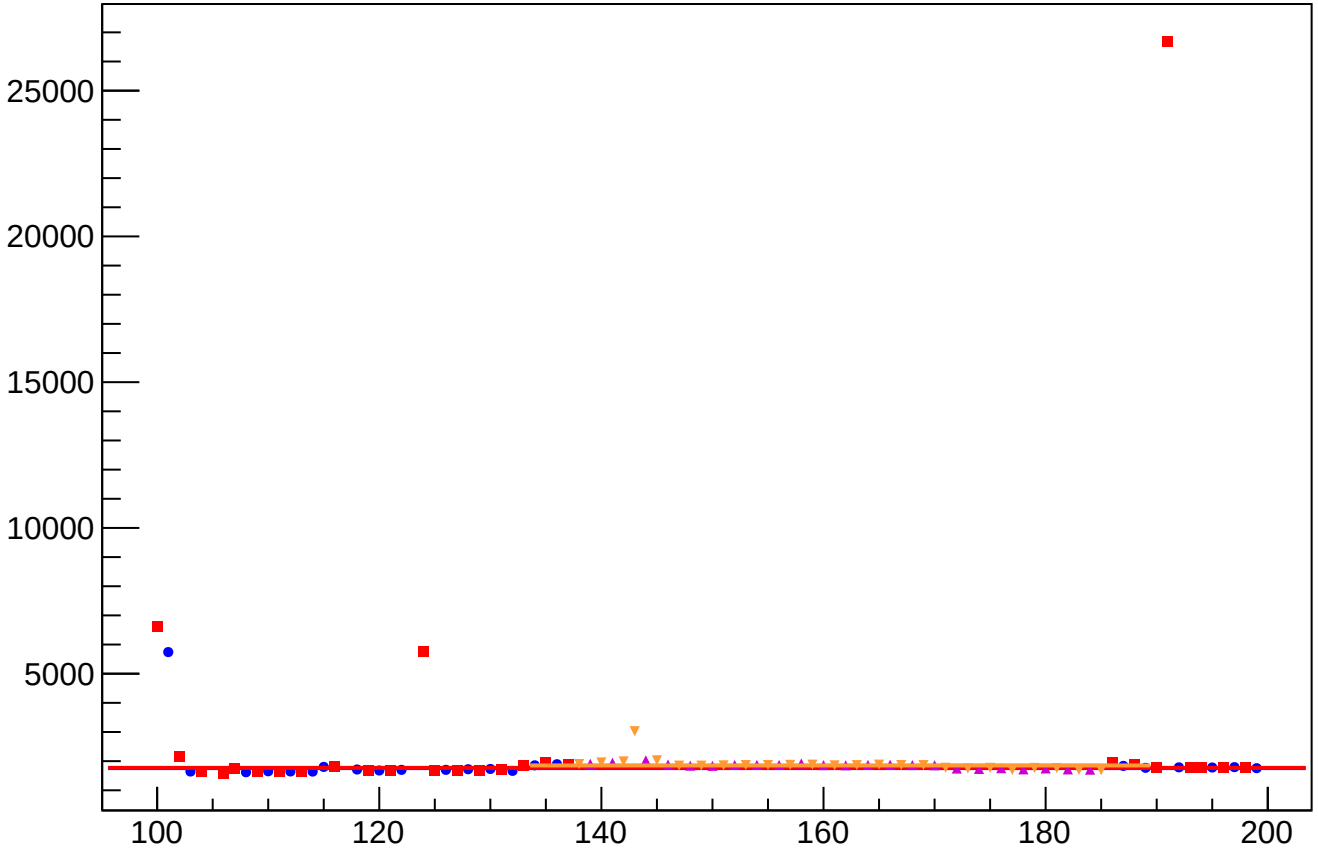
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 684.642+/-329.635 χ^2/NDF: 67.5/46

All: 384.443+/-232.549 χ^2/NDF: 108.5/96

- sign 87.000+/-328.118 χ^2/NDF: 39.4/49

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.3/21

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1768.959+/-0.358 χ^2/NDF: 637965.2/26

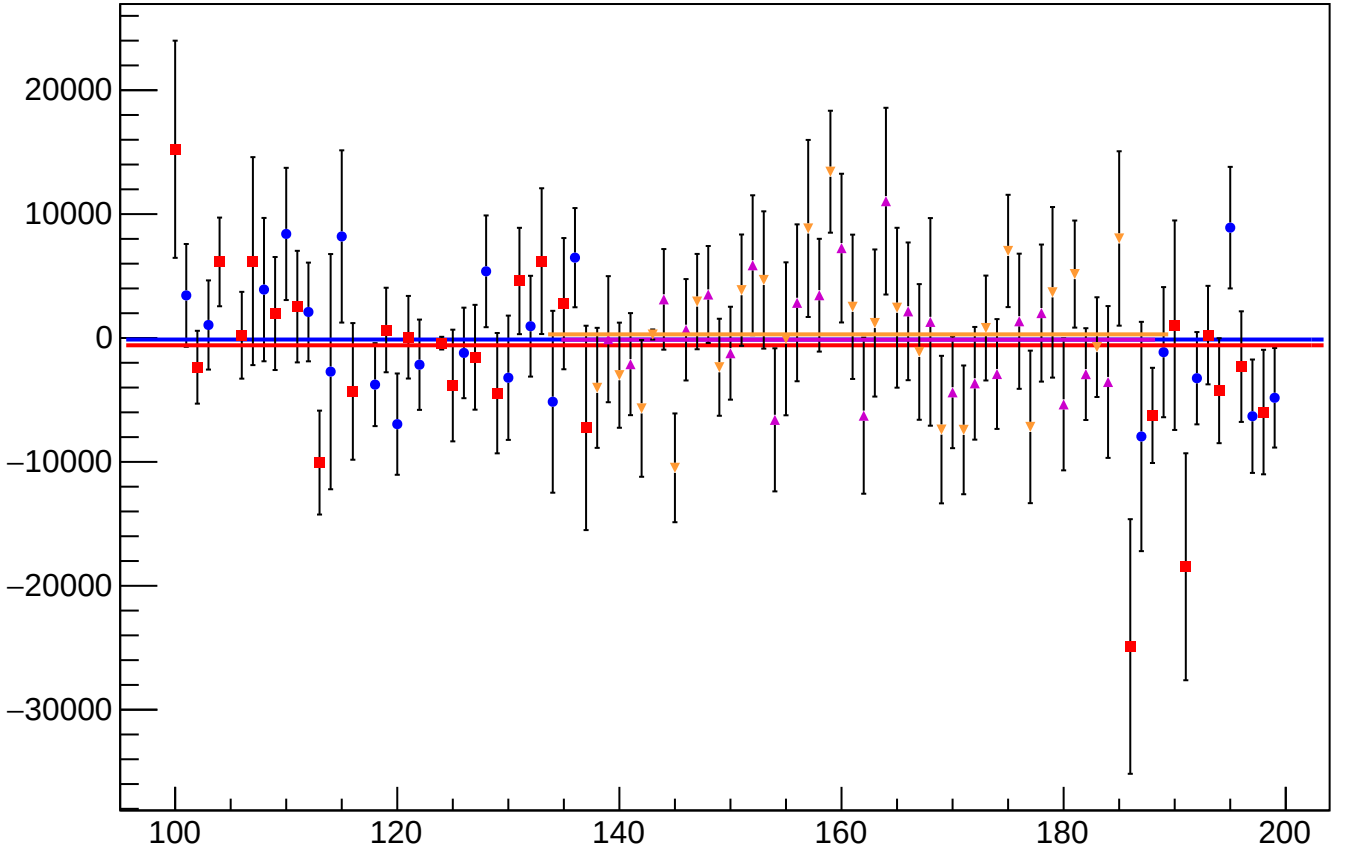
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1817.006+/-0.233 χ^2/NDF: 1029204.9/46

All: 1813.165+/-0.164 χ^2/NDF: 1758157.2/96

- sign 1809.374+/-0.232 χ^2/NDF: 728412.8/49

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: -123.098+/-955.208 χ^2/NDF: 23.2/21

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -588.991+/-443.663 χ^2/NDF: 33.3/26

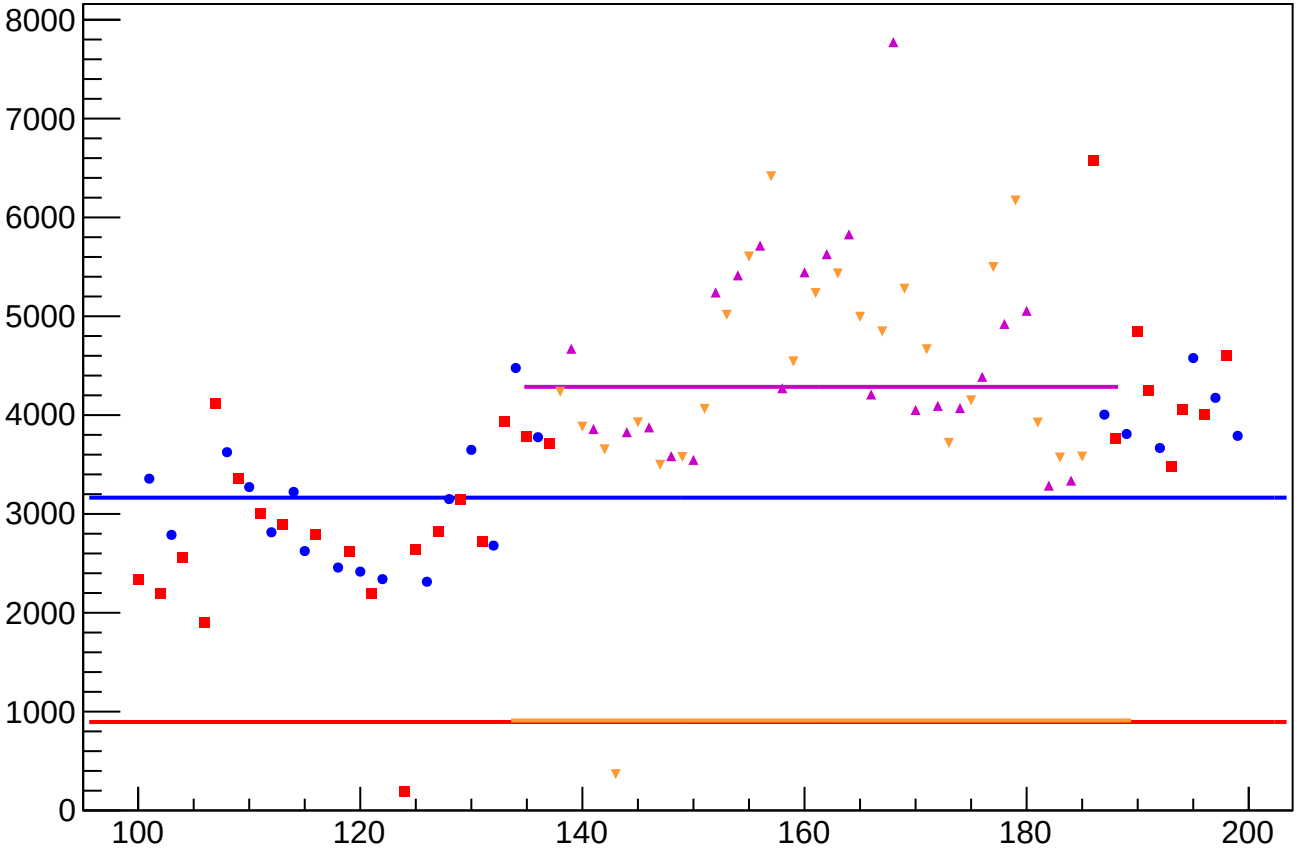
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 237.381+/-353.023 χ^2/NDF: 53.4/46

All: -86.752+/-266.690 χ^2/NDF: 102.7/96

- sign -517.643+/-407.029 χ^2/NDF: 47.3/49

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3164.785+/-0.675 χ^2/NDF: 986464.3/21

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

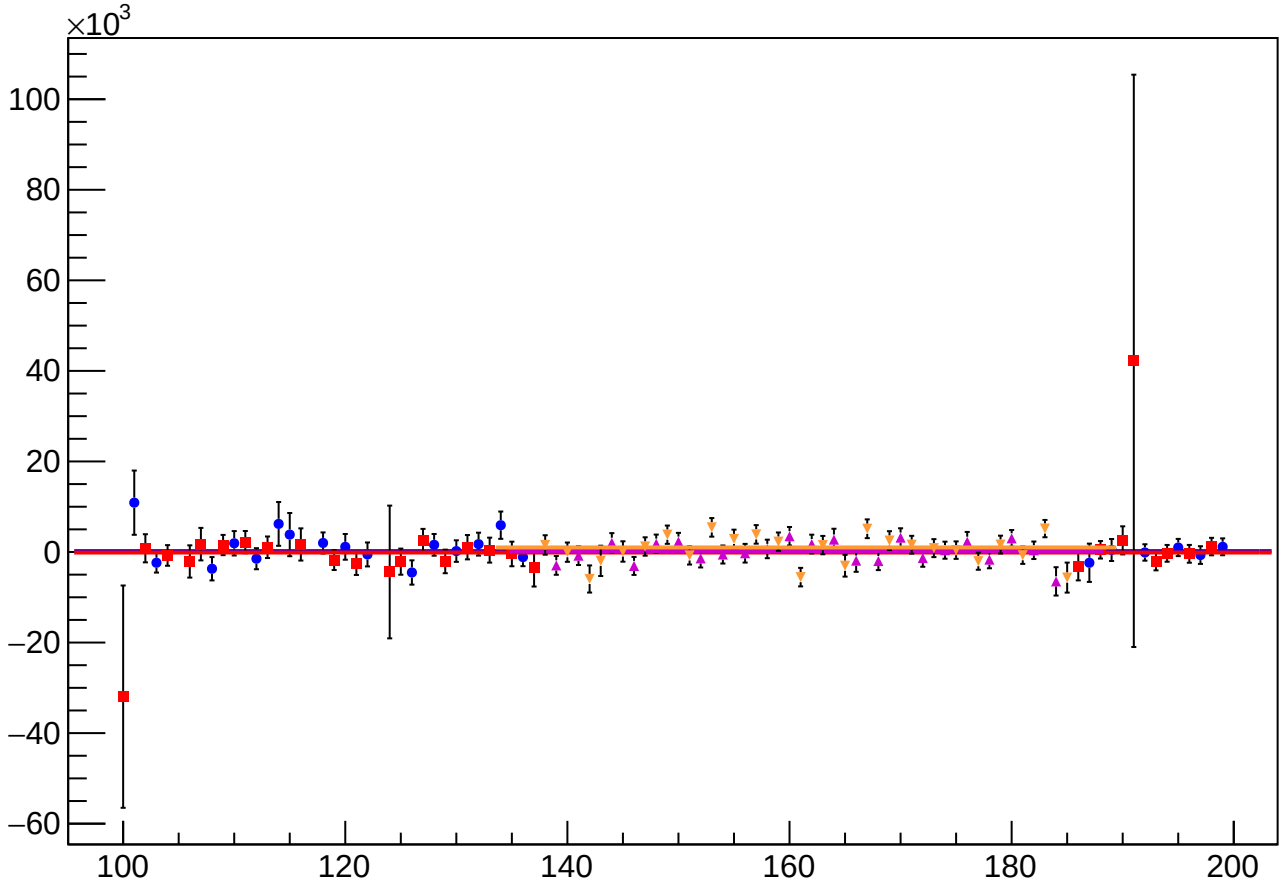
Right Out: 895.111+/-0.314 χ^2/NDF: 17005655.1/26

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1218.092+/-0.250 χ^2/NDF: 37381379.9/46

All: 1309.900+/-0.189 χ^2/NDF: 74525207.7/9

- sign 1431.947+/-0.288 χ^2/NDF: 36828746.4/49



Right In: 187.828+/-526.811 χ^2/NDF: 18.7/21

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -112.035+/-508.167 χ^2/NDF: 12.7/26

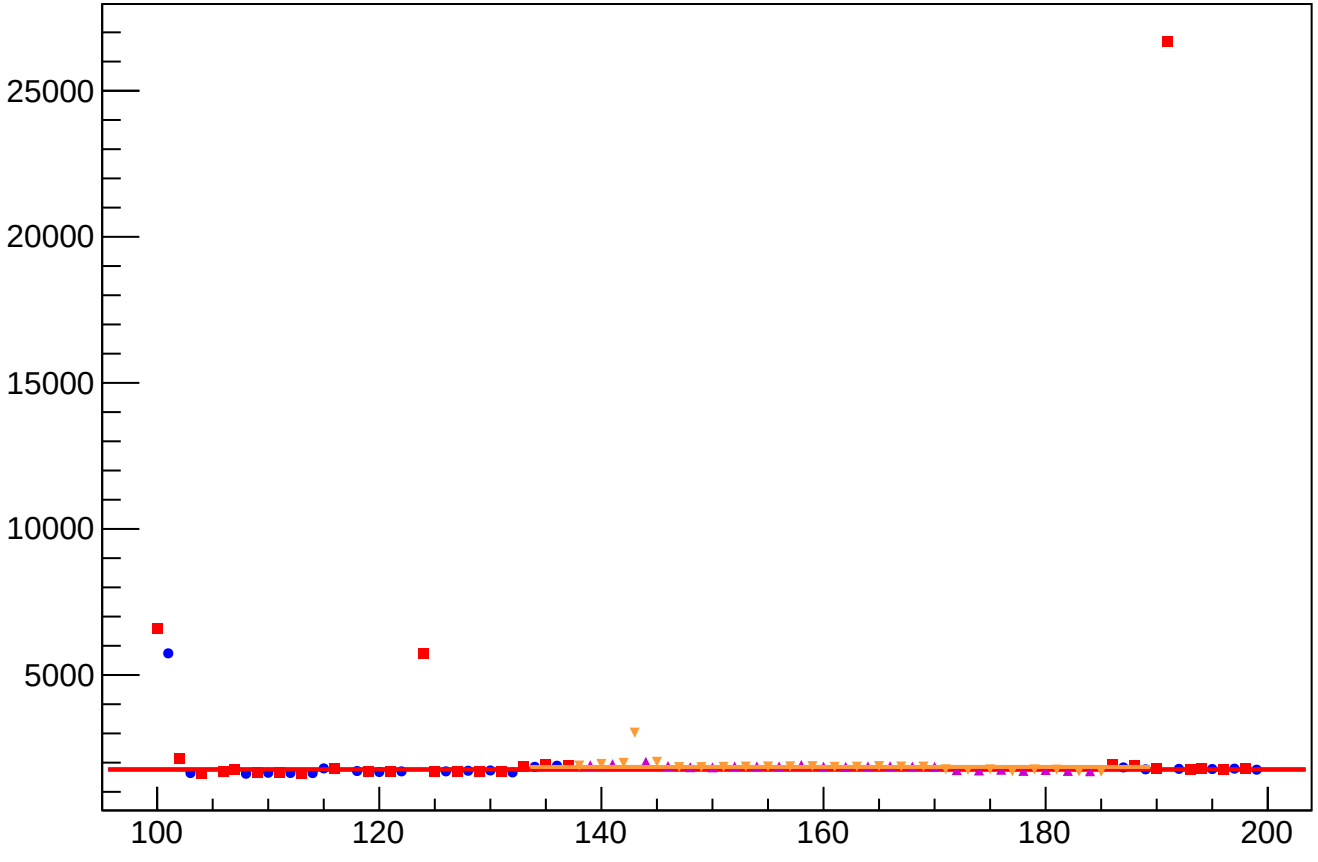
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 684.525+/-329.635 χ^2/NDF: 67.5/46

All: 384.362+/-232.549 χ^2/NDF: 108.5/96

- sign 86.955+/-328.118 χ^2/NDF: 39.4/49

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.6/21

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1773.131+/-0.359 χ^2/NDF: 629579.7/26

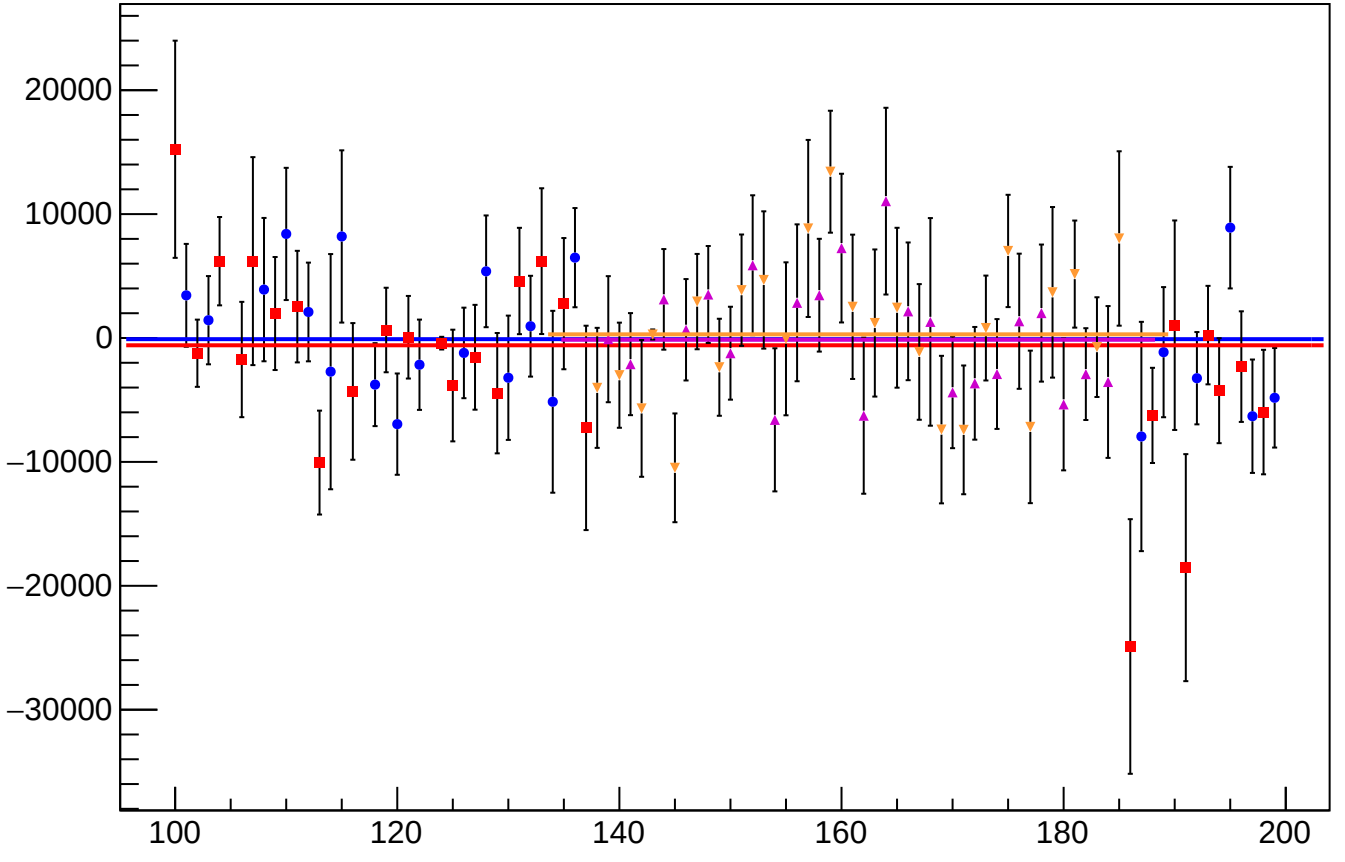
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1817.006+/-0.233 χ^2/NDF: 1029205.2/46

All: 1814.082+/-0.164 χ^2/NDF: 1746940.2/96

- sign 1811.191+/-0.232 χ^2/NDF: 717422.2/49

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: -93.600+/-954.530 χ^2/NDF: 23.3/21

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -587.871+/-444.495 χ^2/NDF: 33.1/26

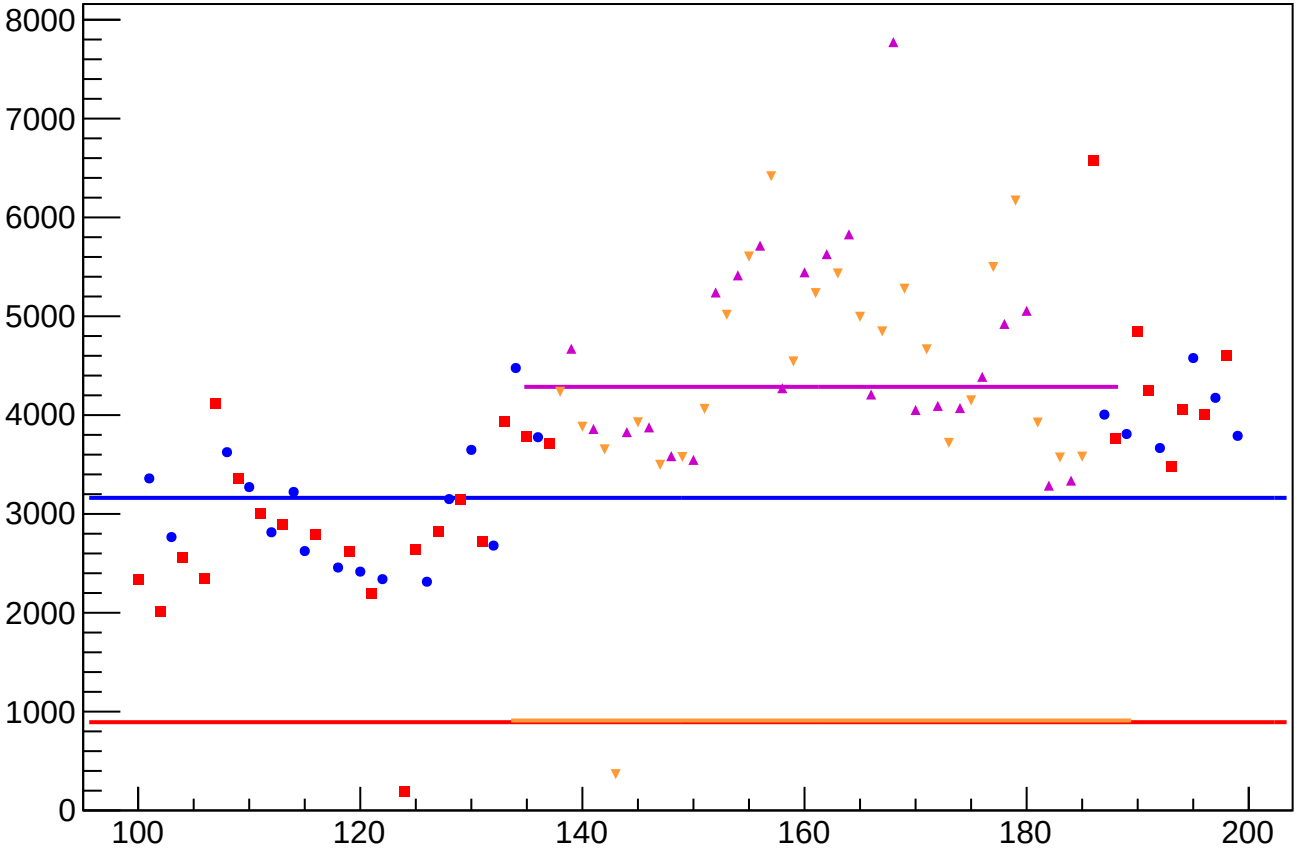
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 242.116+/-353.012 χ^2/NDF: 53.5/46

All: -82.946+/-266.866 χ^2/NDF: 102.6/96

- sign -516.463+/-407.671 χ^2/NDF: 47.1/49

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3162.760+/-0.675 χ^2/NDF: 989726.4/21

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 893.011+/-0.314 χ^2/NDF: 16973017.4/26

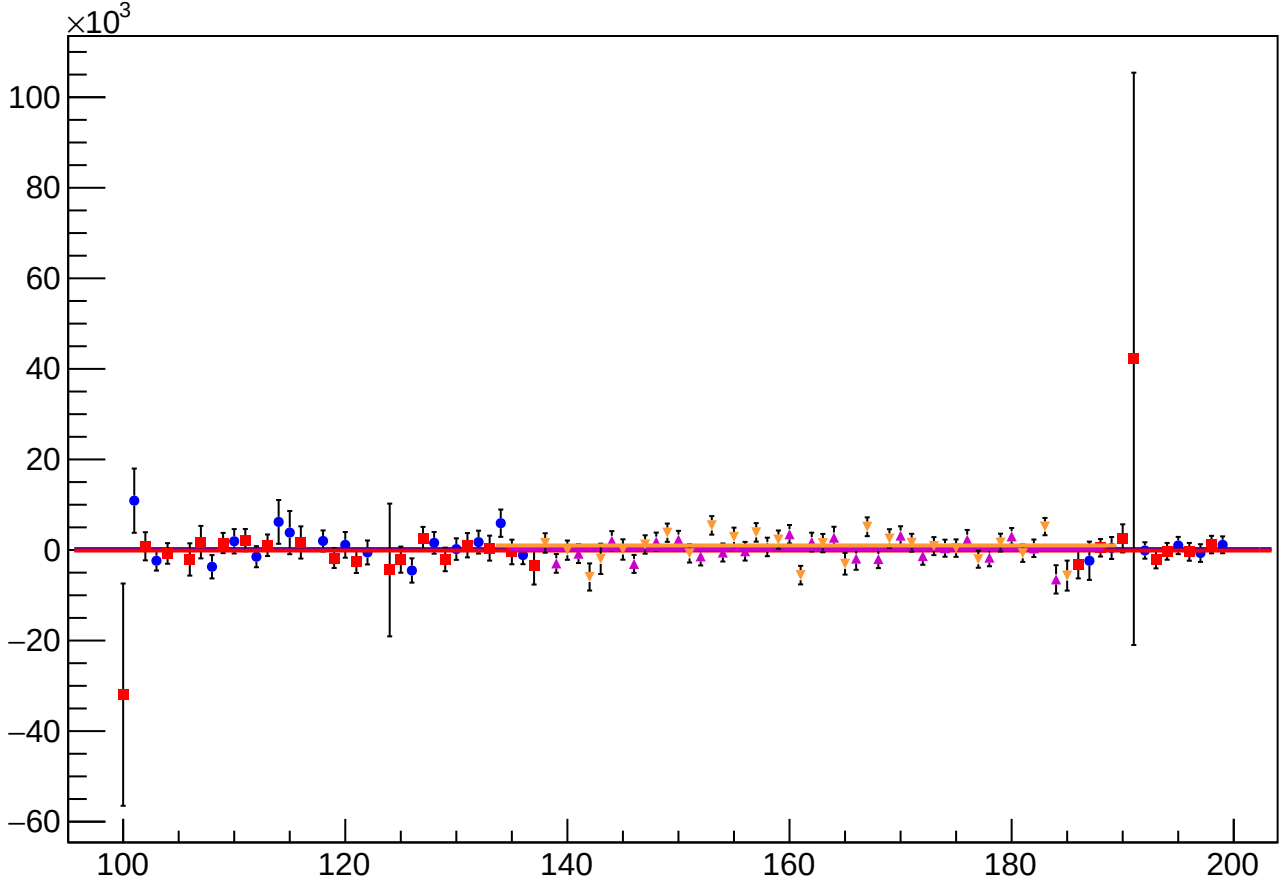
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1218.336+/-0.250 χ^2/NDF: 37376773.4/46

All: 1309.841+/-0.189 χ^2/NDF: 74498363.2/9

- sign 1431.876+/-0.288 χ^2/NDF: 36807992.0/49

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 187.828+/-526.811 χ^2/NDF: 18.7/21

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -112.035+/-508.167 χ^2/NDF: 12.7/26

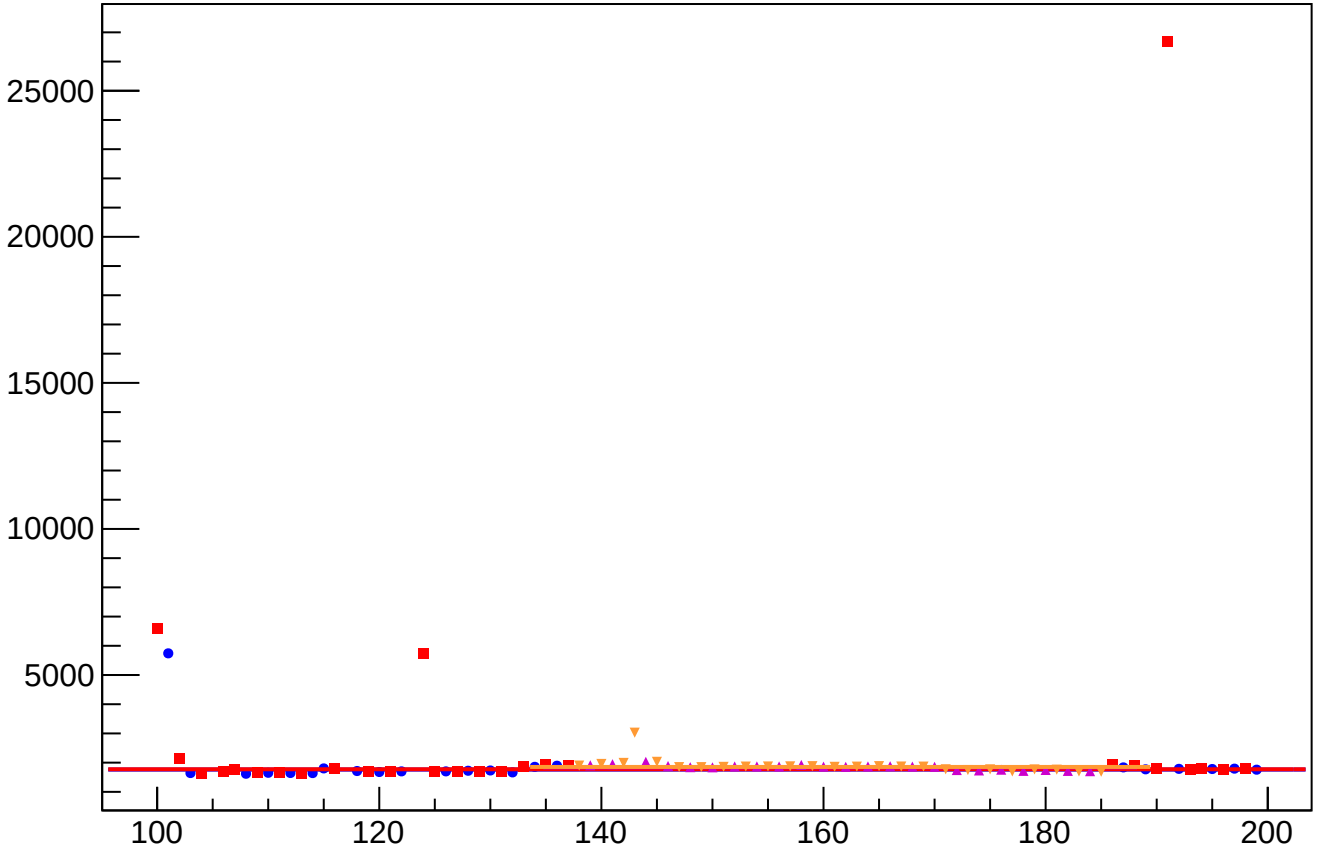
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 684.525+/-329.635 χ^2/NDF: 67.5/46

All: 384.362+/-232.549 χ^2/NDF: 108.5/96

- sign 86.955+/-328.118 χ^2/NDF: 39.4/49

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.6/21

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

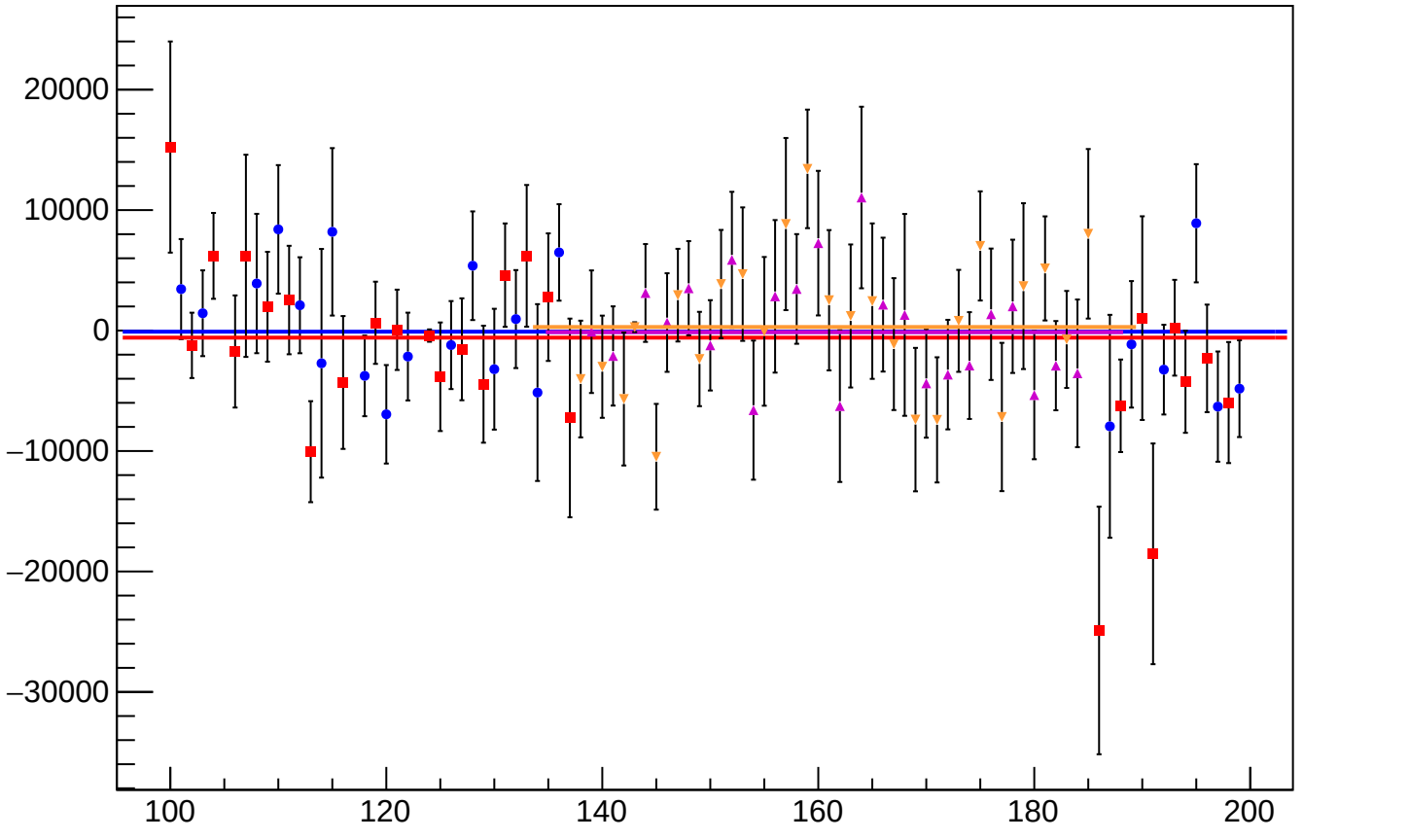
Right Out: 1773.131+/-0.359 χ^2/NDF: 629579.7/26

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1817.006+/-0.233 χ^2/NDF: 1029205.2/46

All: 1814.082+/-0.164 χ^2/NDF: 1746940.2/96

- sign 1811.191+/-0.232 χ^2/NDF: 717422.2/49



Right In: -93.600+/-954.530 χ^2/NDF: 23.3/21

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -587.871+/-444.495 χ^2/NDF: 33.1/26

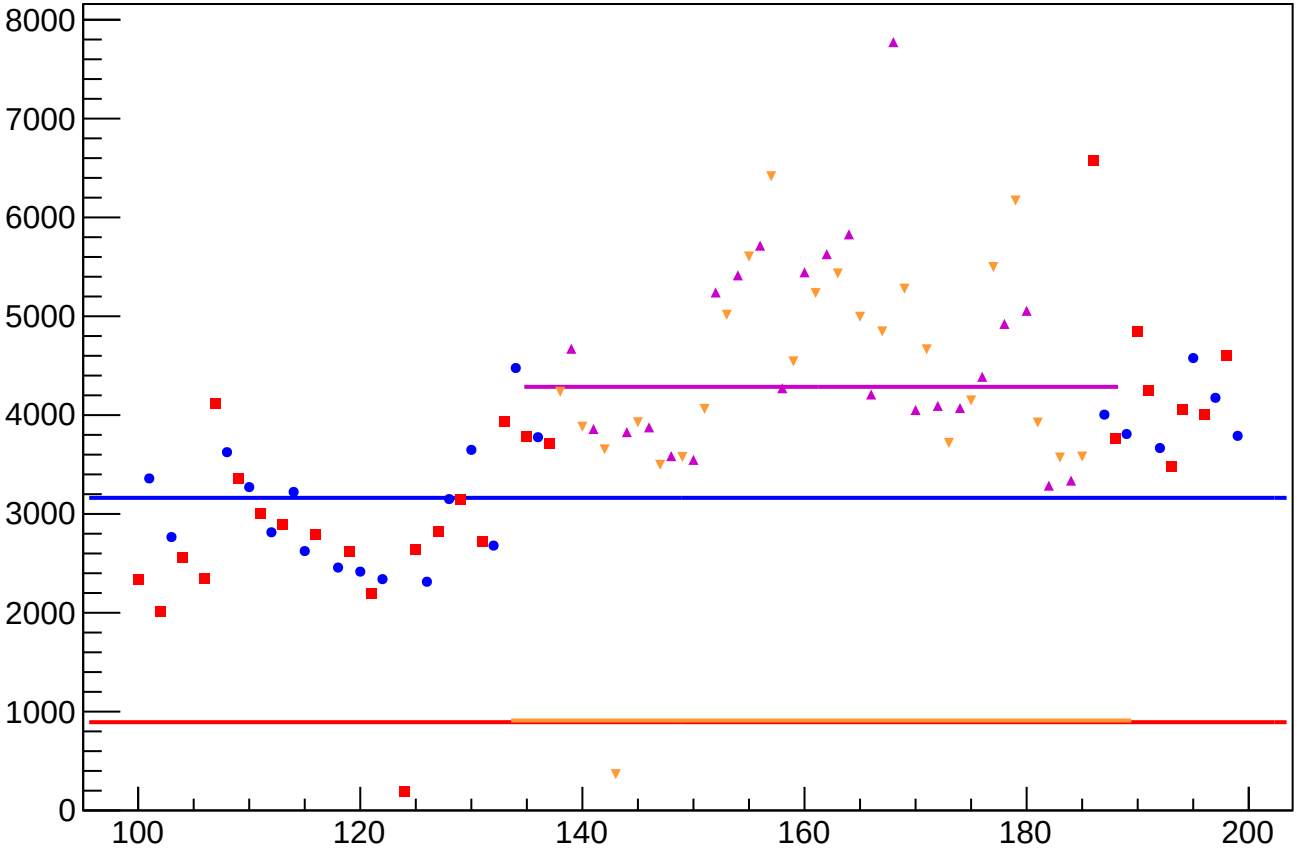
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 242.116+/-353.012 χ^2/NDF: 53.5/46

All: -82.946+/-266.866 χ^2/NDF: 102.6/96

- sign -516.463+/-407.671 χ^2/NDF: 47.1/49

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3162.760+/-0.675 χ^2/NDF: 989726.4/21

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 893.011+/-0.314 χ^2/NDF: 16973017.4/26

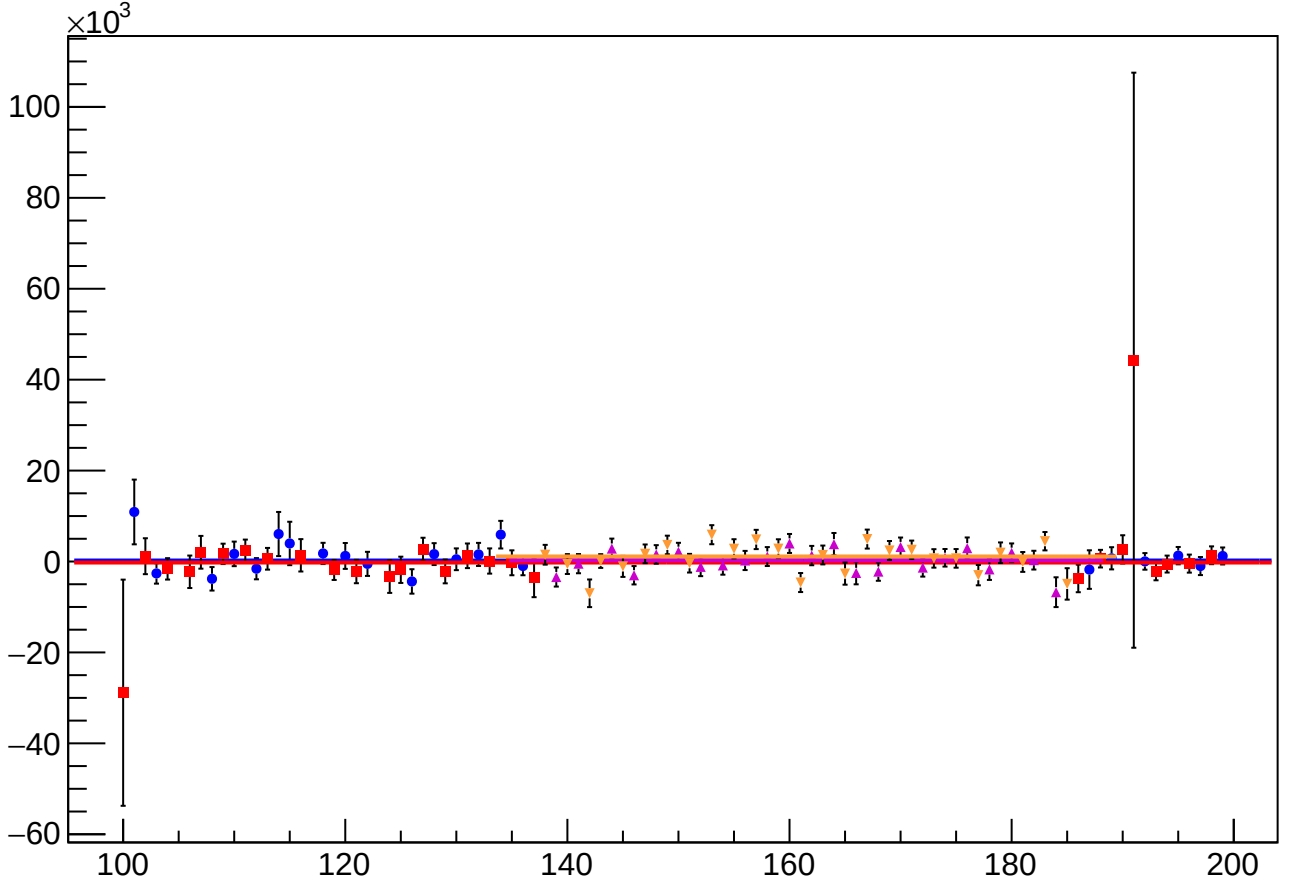
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1218.336+/-0.250 χ^2/NDF: 37376773.4/46

All: 1309.841+/-0.189 χ^2/NDF: 74498363.2/9

- sign 1431.876+/-0.288 χ^2/NDF: 36807992.0/49

dit_asym_atr1l2_dd_mean vs Slug



Right In: 216.408+/-530.418 χ^2/NDF: 18.5/21

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -224.400+/-509.101 χ^2/NDF: 14.2/26

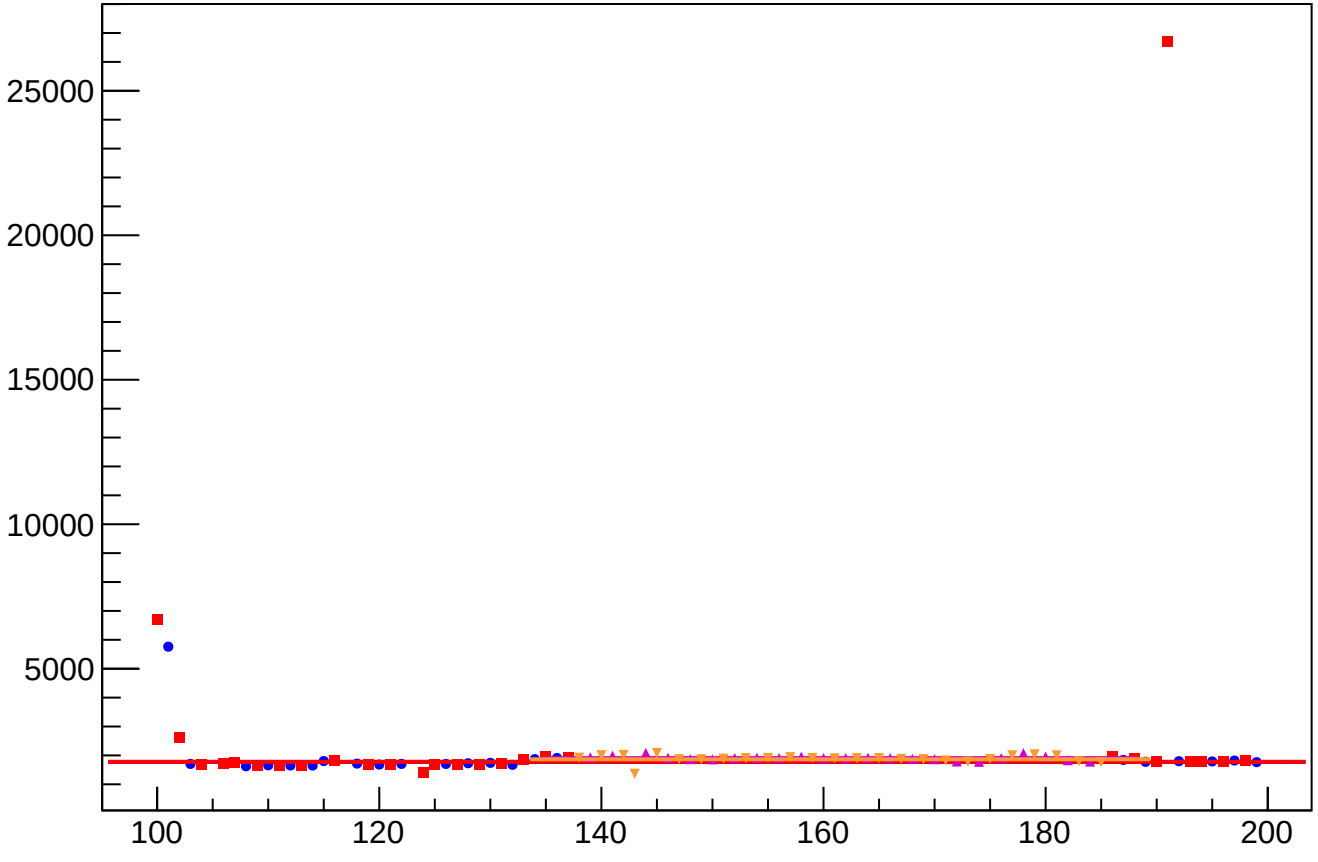
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

\+ sign 756.221+/-331.818 χ^2/NDF: 65.0/46

All: 407.986+/-235.817 χ^2/NDF: 109.6/96

\- sign 52.620+/-335.198 χ^2/NDF: 42.4/49

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1773.879+/-0.375 χ^2/NDF: 670584.0/21

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1776.730+/-0.359 χ^2/NDF: 561605.1/26

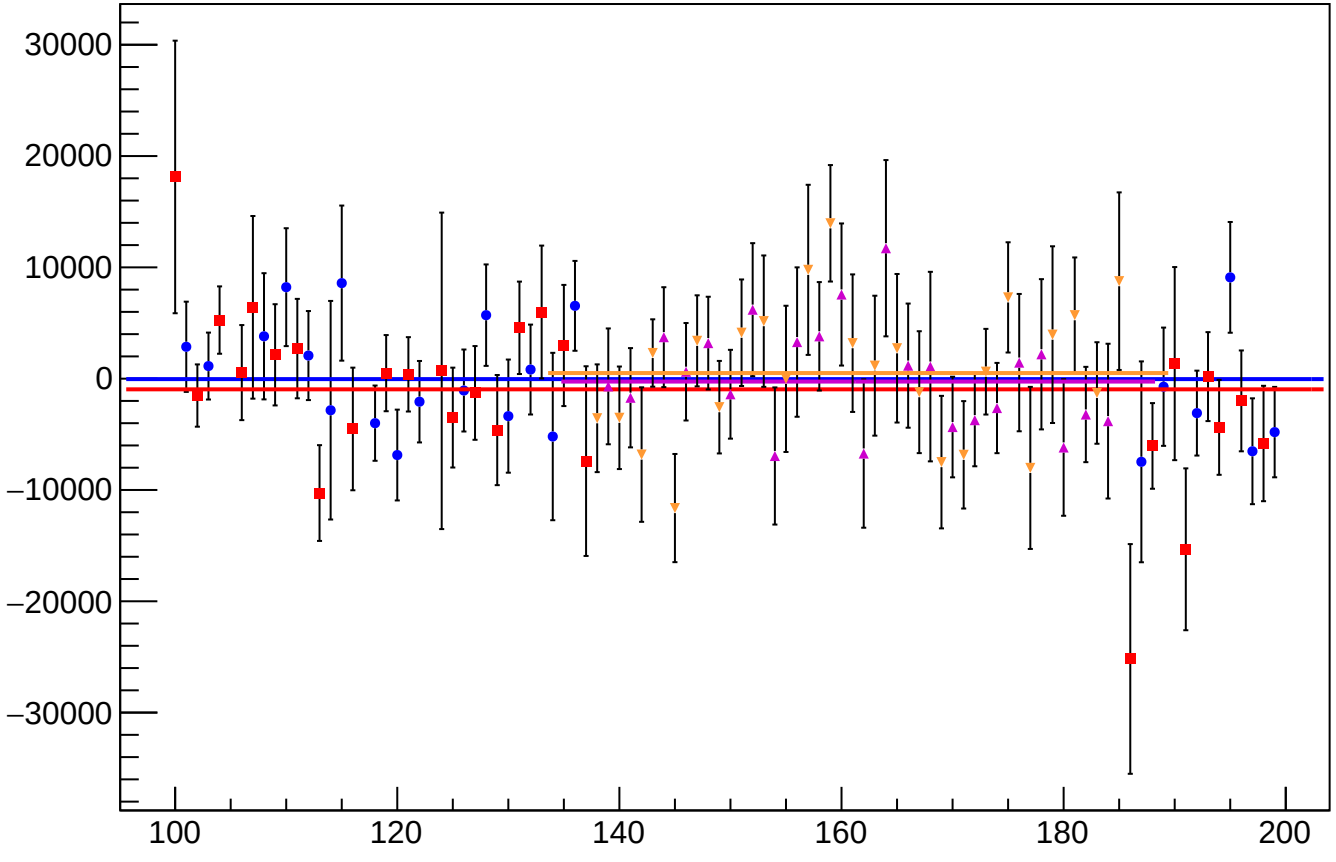
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1829.243+/-0.235 χ^2/NDF: 1001095.8/46

All: 1839.345+/-0.167 χ^2/NDF: 1691997.3/96

- sign 1849.639+/-0.237 χ^2/NDF: 687158.7/49

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: -39.485+/-946.314 χ^2/NDF: 23.1/21

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -958.726+/-886.680 χ^2/NDF: 32.2/26

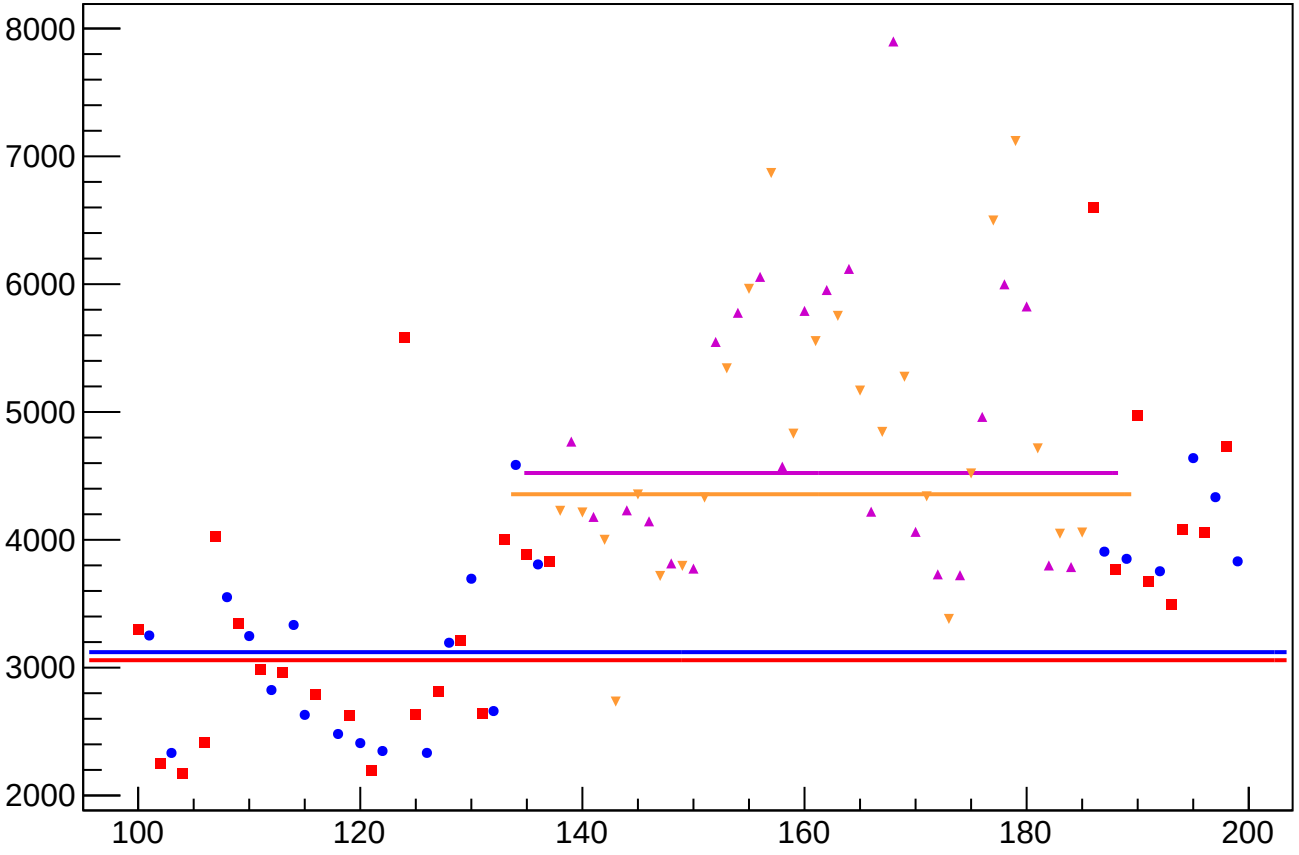
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 211.595+/-694.263 χ^2/NDF: 53.4/46

All: -238.872+/-487.849 χ^2/NDF: 100.2/96

- sign -678.247+/-685.663 χ^2/NDF: 46.1/49

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3121.346+/-0.669 χ^2/NDF: 1158688.3/21

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

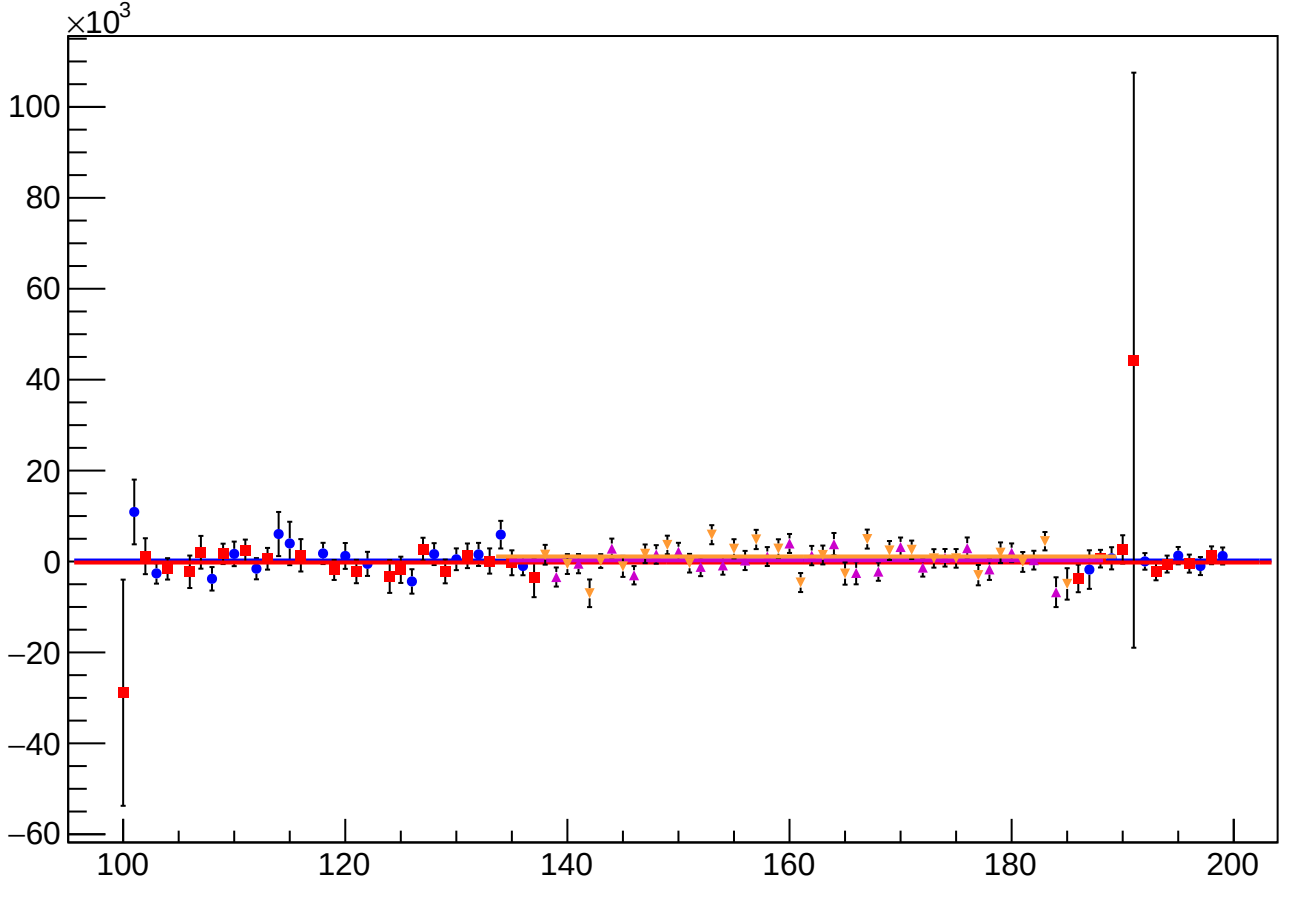
Right Out: 3058.254+/-0.627 χ^2/NDF: 1675763.4/26

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3691.755+/-0.491 χ^2/NDF: 4644694.7/46

All: 3669.111+/-0.345 χ^2/NDF: 9952186.3/96

- sign 3647.025+/-0.485 χ^2/NDF: 5303288.9/49



Right In: 216.409+/-530.418 χ^2/NDF: 18.5/21

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -224.397+/-509.101 χ^2/NDF: 14.2/26

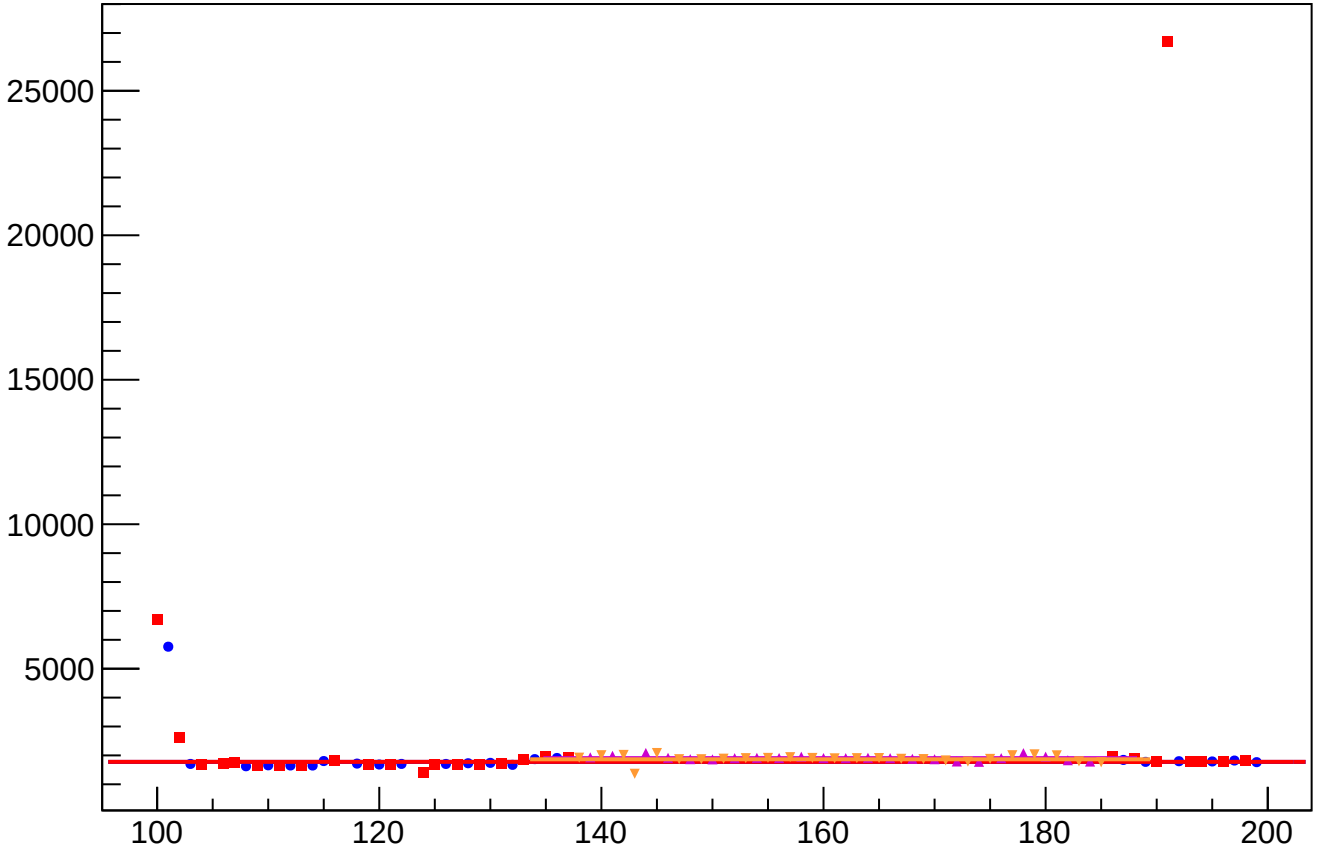
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 756.222+/-331.818 χ^2/NDF: 65.0/46

All: 407.987+/-235.817 χ^2/NDF: 109.6/96

- sign 52.621+/-335.199 χ^2/NDF: 42.4/49

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1773.879+/-0.375 χ^2/NDF: 670584.0/21

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

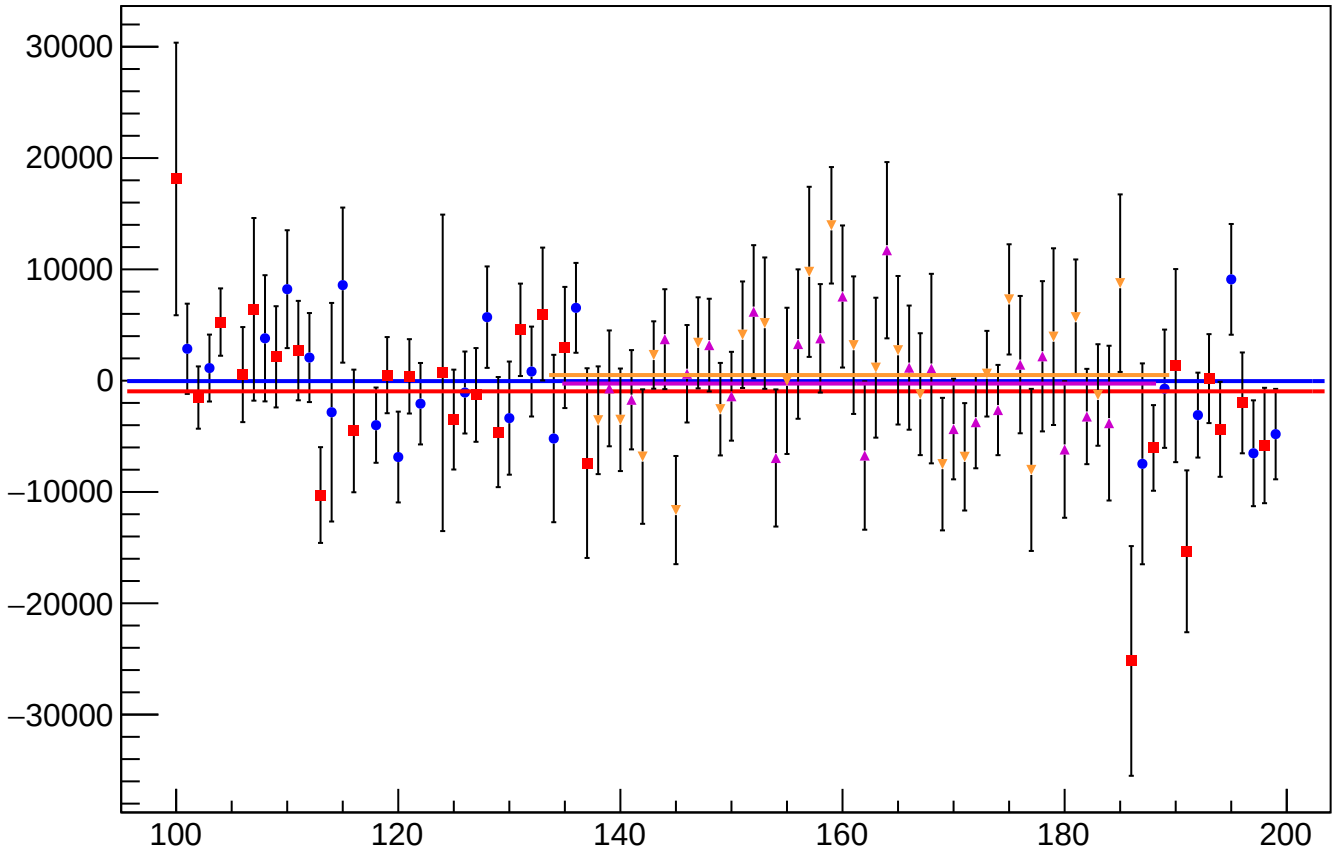
Right Out: 1776.730+/-0.359 χ^2/NDF: 561605.1/26

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1829.244+/-0.235 χ^2/NDF: 1001099.9/46

All: 1839.346+/-0.167 χ^2/NDF: 1692004.8/96

- sign 1849.640+/-0.237 χ^2/NDF: 687162.1/49



Right In: -39.488+/-946.313 χ^2/NDF: 23.1/21

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -958.722+/-886.679 χ^2/NDF: 32.2/26

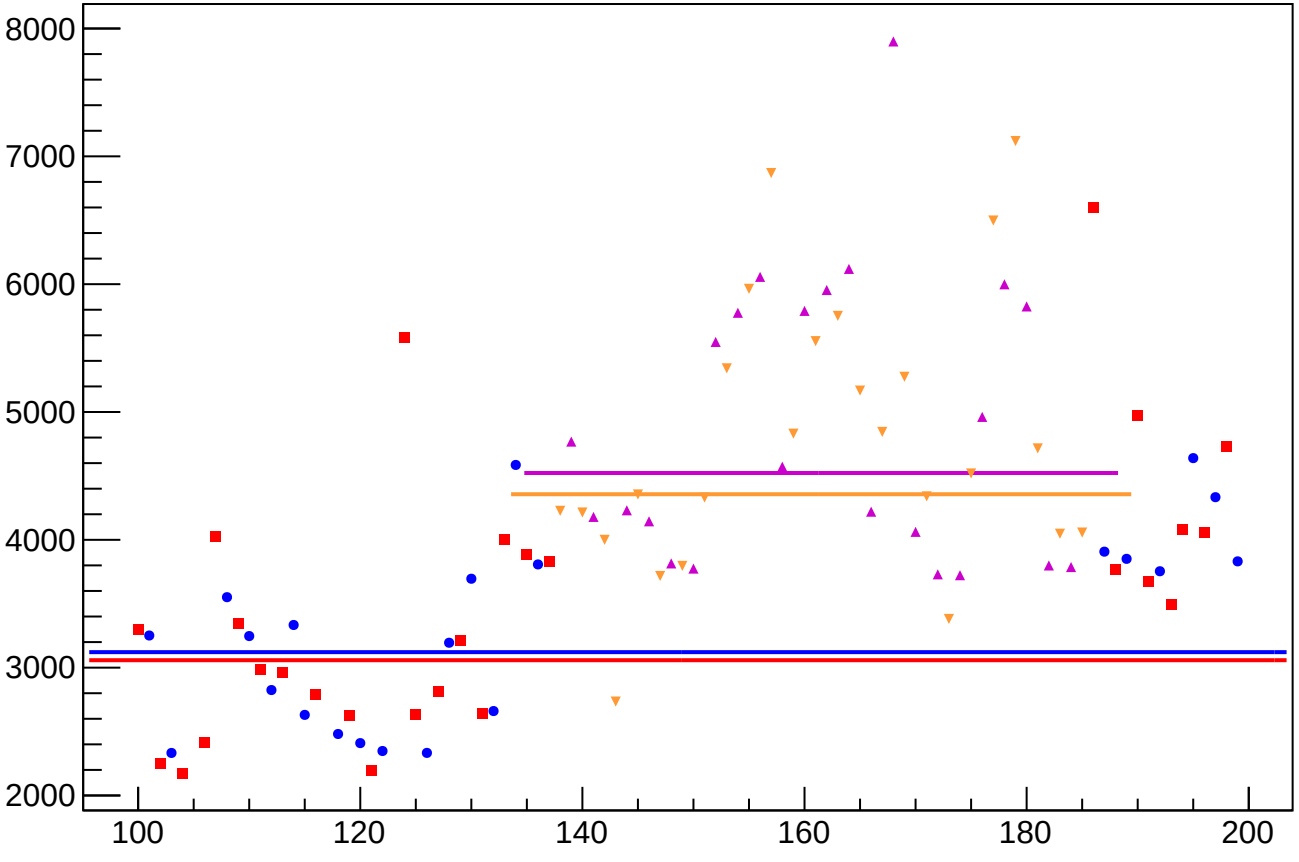
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 211.594+/-694.263 χ^2/NDF: 53.4/46

All: -238.872+/-487.849 χ^2/NDF: 100.2/96

- sign -678.246+/-685.663 χ^2/NDF: 46.1/49

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3121.339+/-0.669 χ^2/NDF: 1158704.9/21

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3058.250+/-0.627 χ^2/NDF: 1675771.8/26

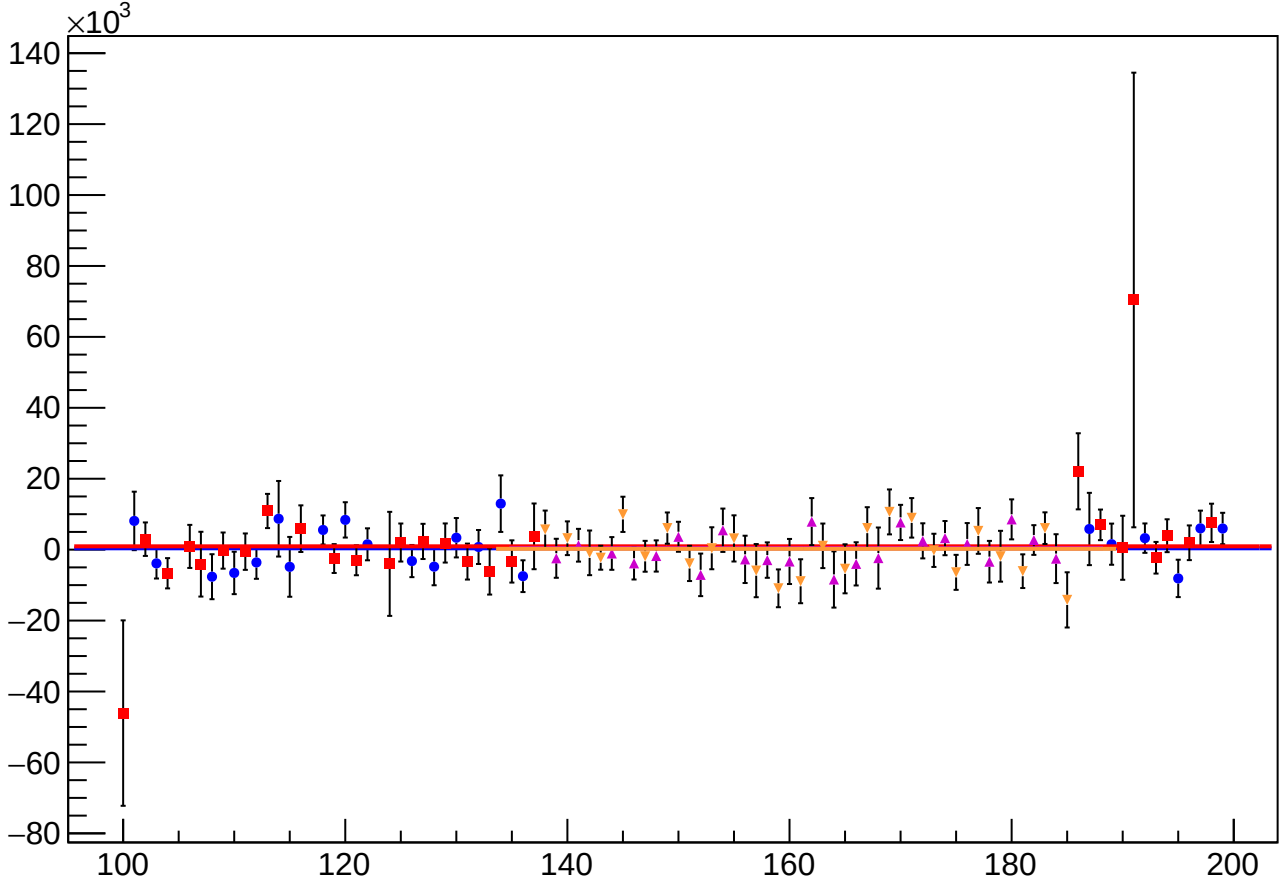
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3691.753+/-0.491 χ^2/NDF: 4644749.1/46

All: 3669.109+/-0.345 χ^2/NDF: 9952283.6/96

- sign 3647.023+/-0.485 χ^2/NDF: 5303332.0/49

asym_atr1l2_dd_mean vs Slug



Right In: 382.728+/-1123.533 χ^2/NDF: 24.5/21

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 939.785+/-1077.003 χ^2/NDF: 25.7/26

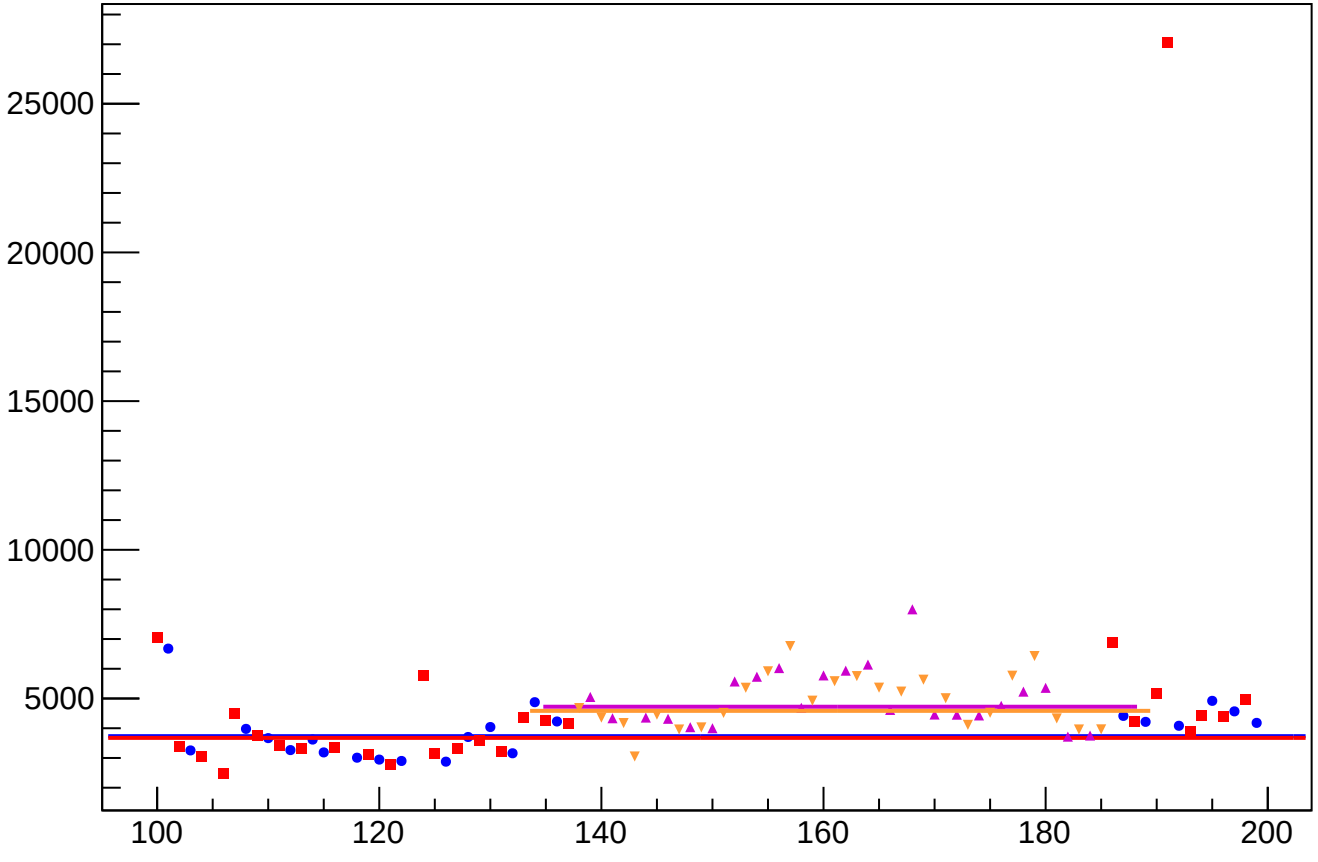
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

\+ sign 307.488+/-772.799 χ^2/NDF: 56.7/46

All: 492.671+/-547.843 χ^2/NDF: 96.9/96

\- sign 679.754+/-776.752 χ^2/NDF: 40.1/49

asym_atr1l2_dd_rms vs Slug



Right In: 3733.119+/-0.794 χ^2/NDF: 879724.6/21

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3676.013+/-0.754 χ^2/NDF: 1259681.9/26

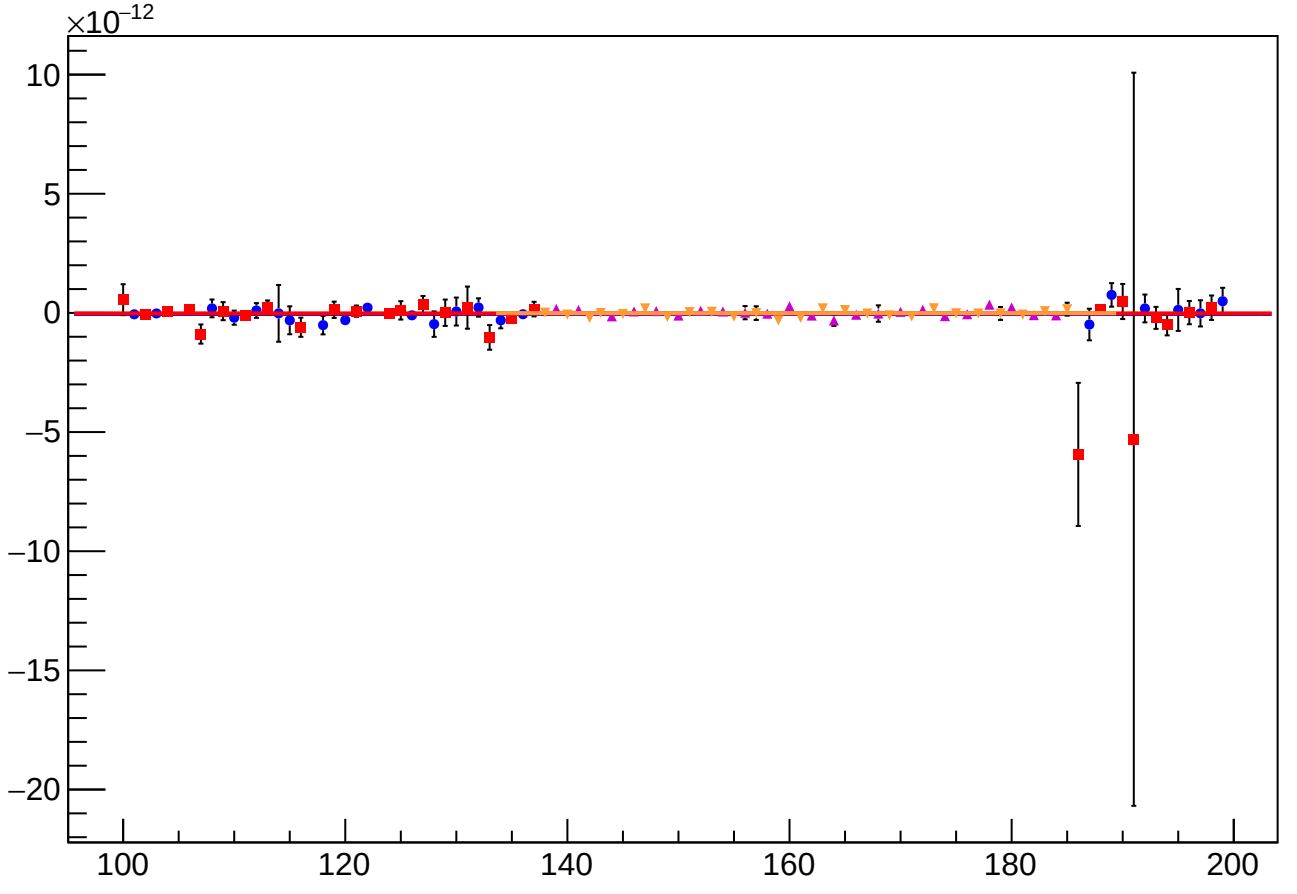
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4181.790+/-0.546 χ^2/NDF: 2796779.1/46

All: 4177.477+/-0.386 χ^2/NDF: 5988911.6/96

- 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: 12.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/26

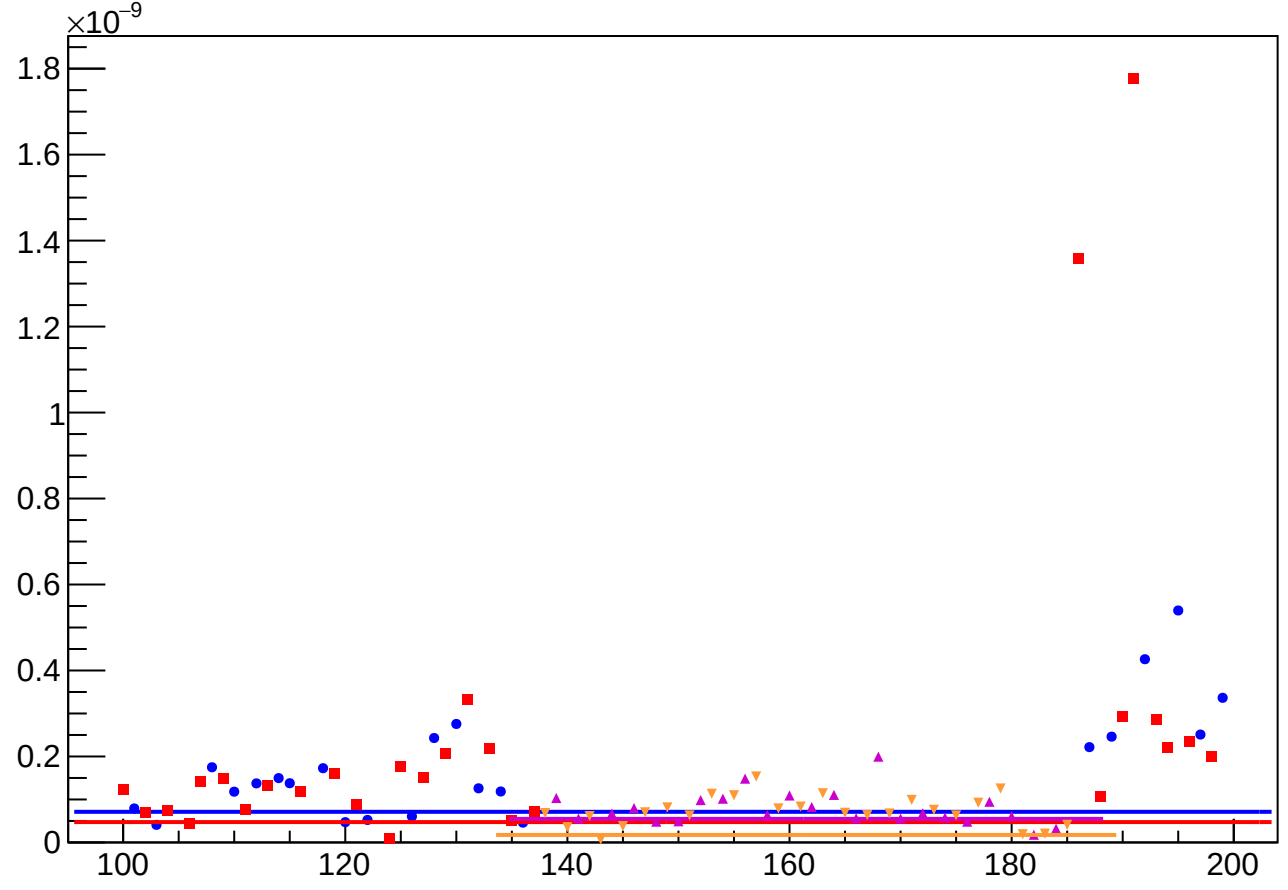
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.2/46

All: -0.000+/-0.000 χ^2/NDF: 87.4/96

- sign -0.000+/-0.000 χ^2/NDF: 51.1/49

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3815441.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5336616.4/26

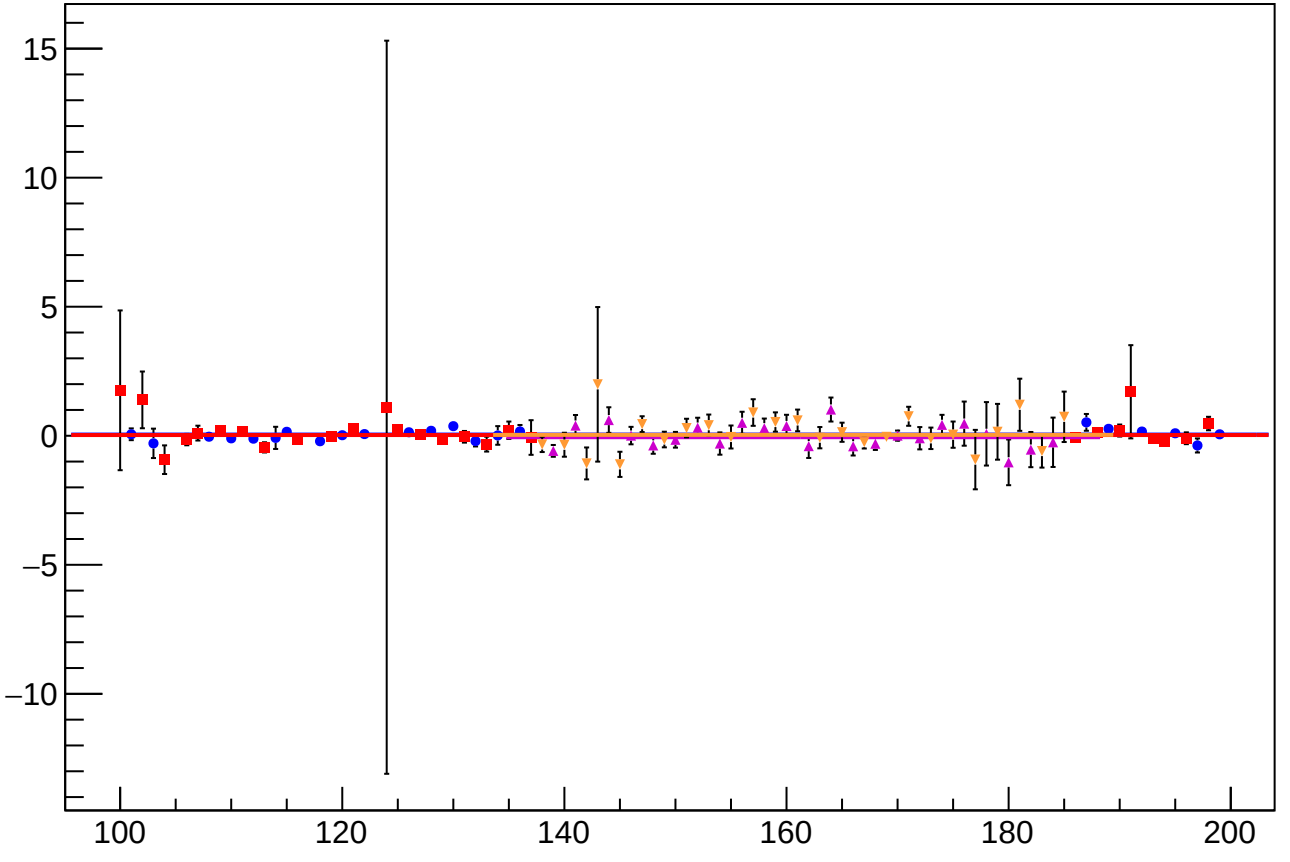
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 15523268.3/46

All: 0.000+/-0.000 χ^2/NDF: 27644758.9/96

- sign 0.000+/-0.000 χ^2/NDF: 8196765.1/49

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.028+/-0.036 χ^2/NDF: 31.3/26

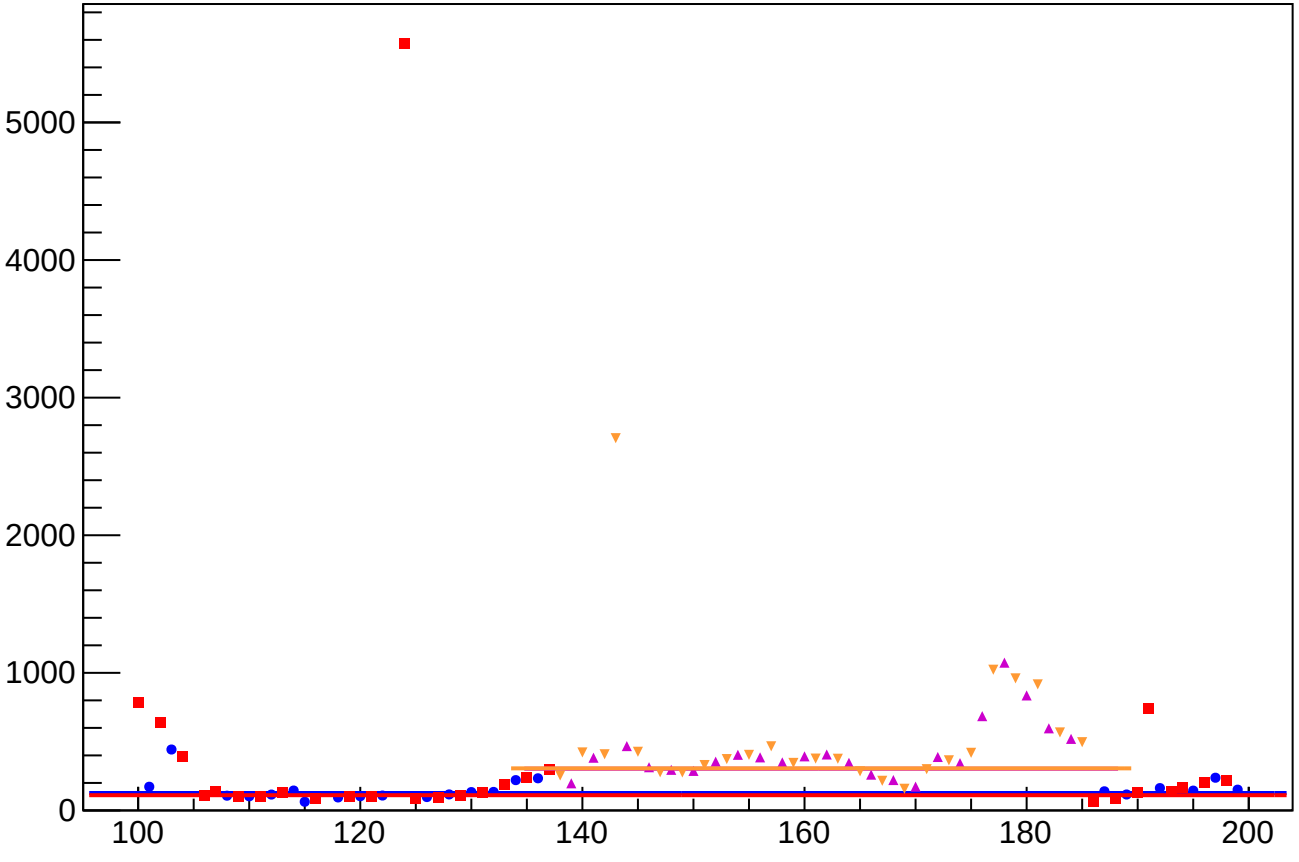
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.044+/-0.036 χ^2/NDF: 49.6/46

All: 0.027+/-0.024 χ^2/NDF: 108.3/96

- sign 0.013+/-0.032 χ^2/NDF: 58.3/49

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 126.869+/-0.029 χ^2/NDF: 2293390.3/21

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

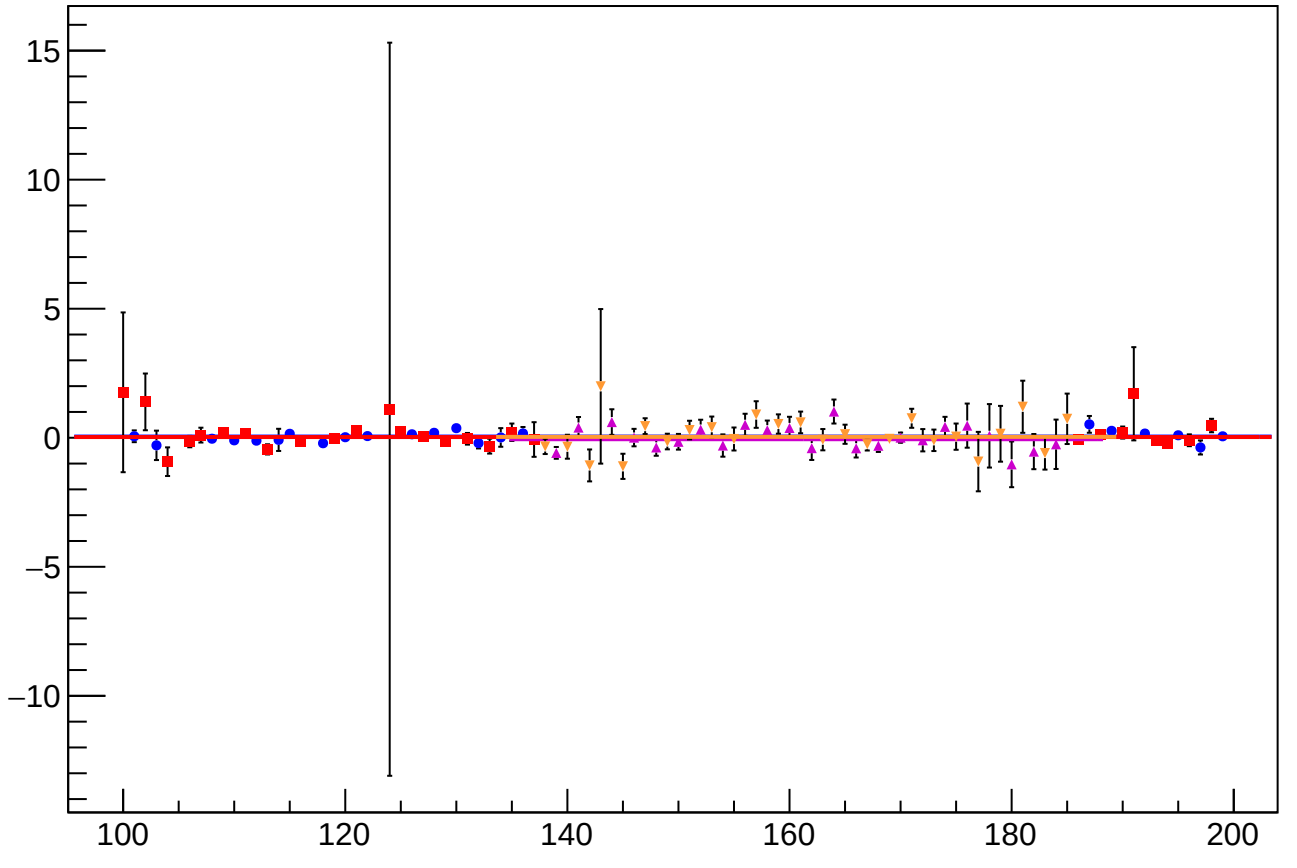
Right Out: 110.890+/-0.025 χ^2/NDF: 3911732.1/26

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.054+/-0.025 χ^2/NDF: 17236251.7/46

All: 153.874+/-0.017 χ^2/NDF: 36515780.8/96

- sign 144.786+/-0.023 χ^2/NDF: 18929634.7/49



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.028+/-0.036 χ^2/NDF: 31.3/26

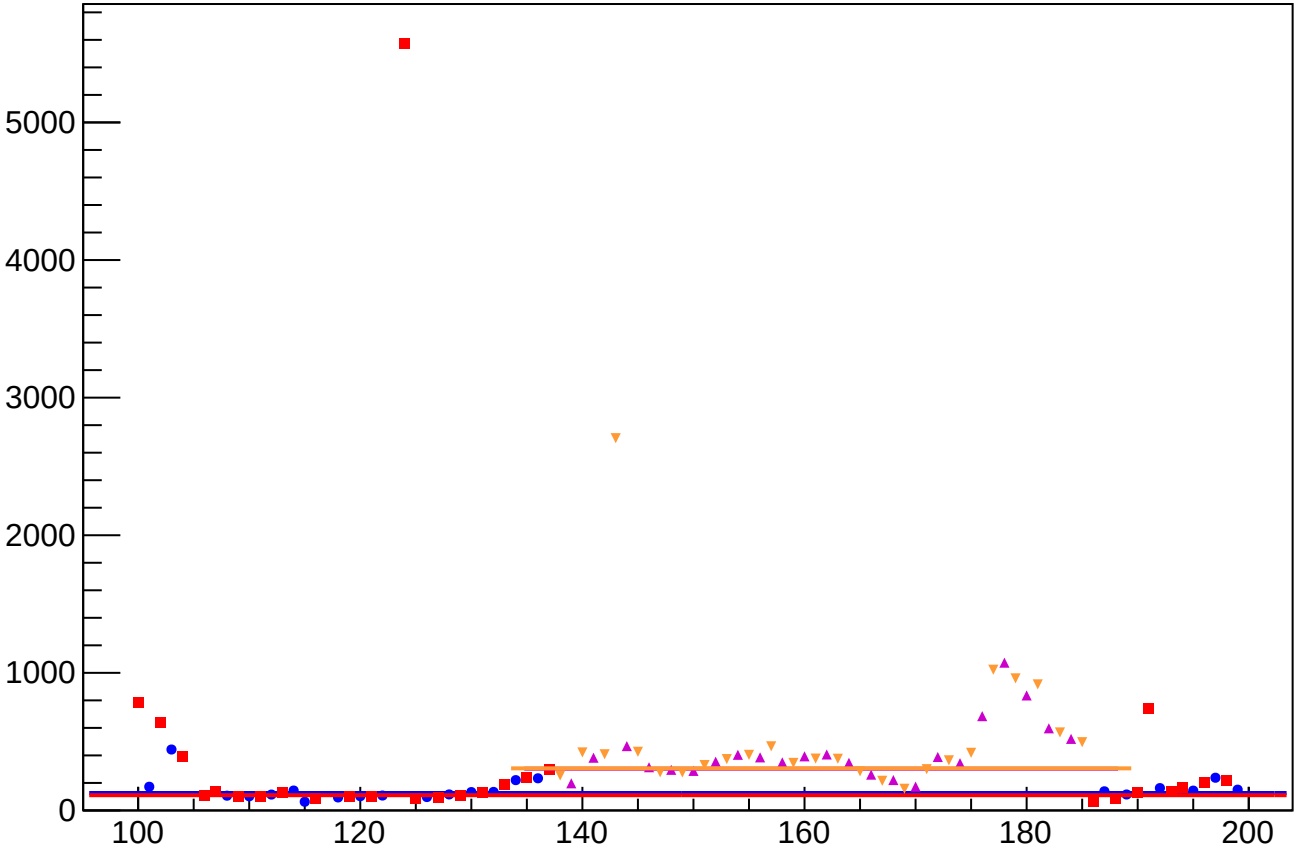
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.044+/-0.036 χ^2/NDF: 49.6/46

All: 0.027+/-0.024 χ^2/NDF: 108.3/96

- sign 0.013+/-0.032 χ^2/NDF: 58.3/49

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 126.869+/-0.029 χ^2/NDF: 2293390.3/21

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

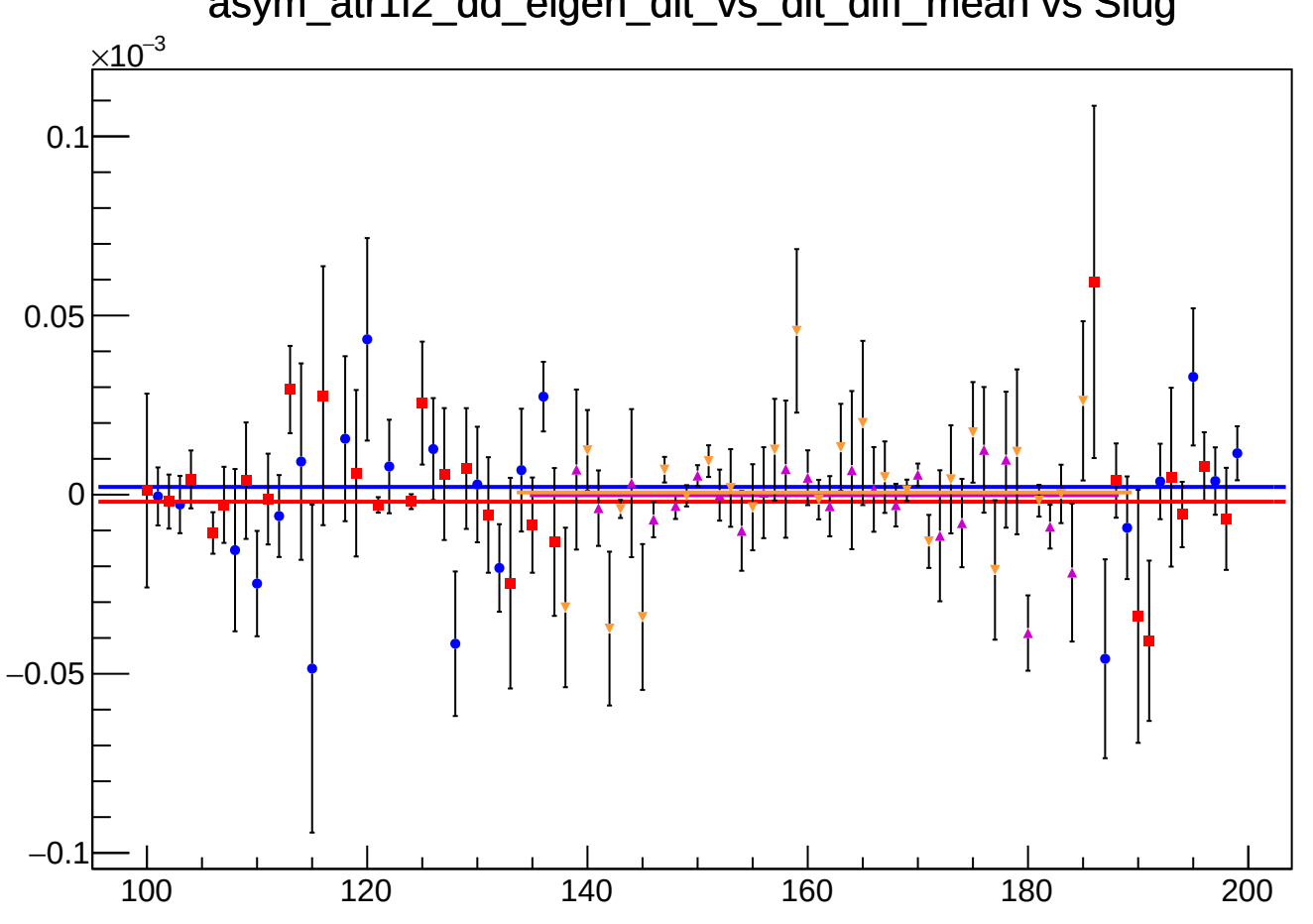
Right Out: 110.890+/-0.025 χ^2/NDF: 3911732.1/26

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.054+/-0.025 χ^2/NDF: 17236251.7/46

All: 153.874+/-0.017 χ^2/NDF: 36515780.8/96

- sign 144.786+/-0.023 χ^2/NDF: 18929634.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/26

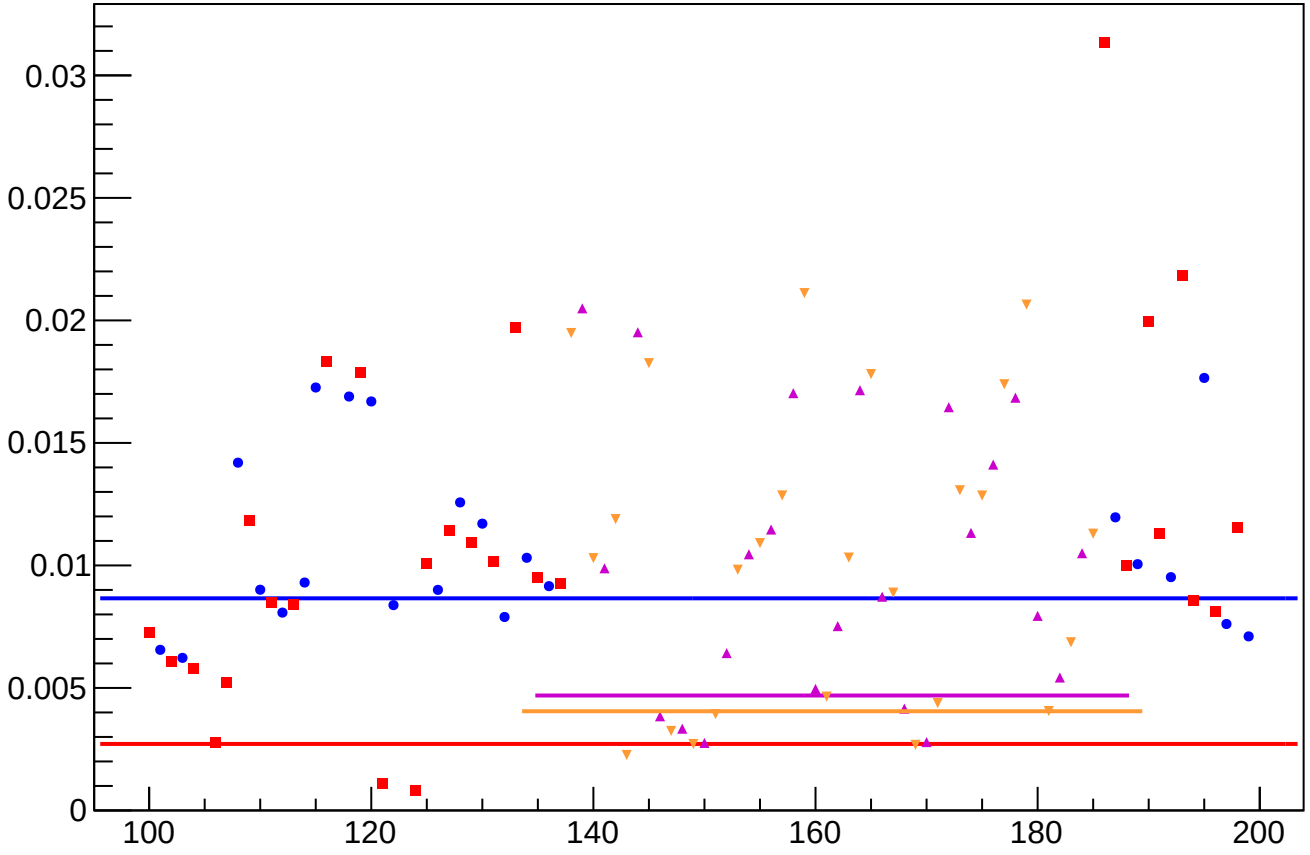
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.1/46

All: -0.000+/-0.000 χ^2/NDF: 121.7/96

- 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: 1726697.4/21

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

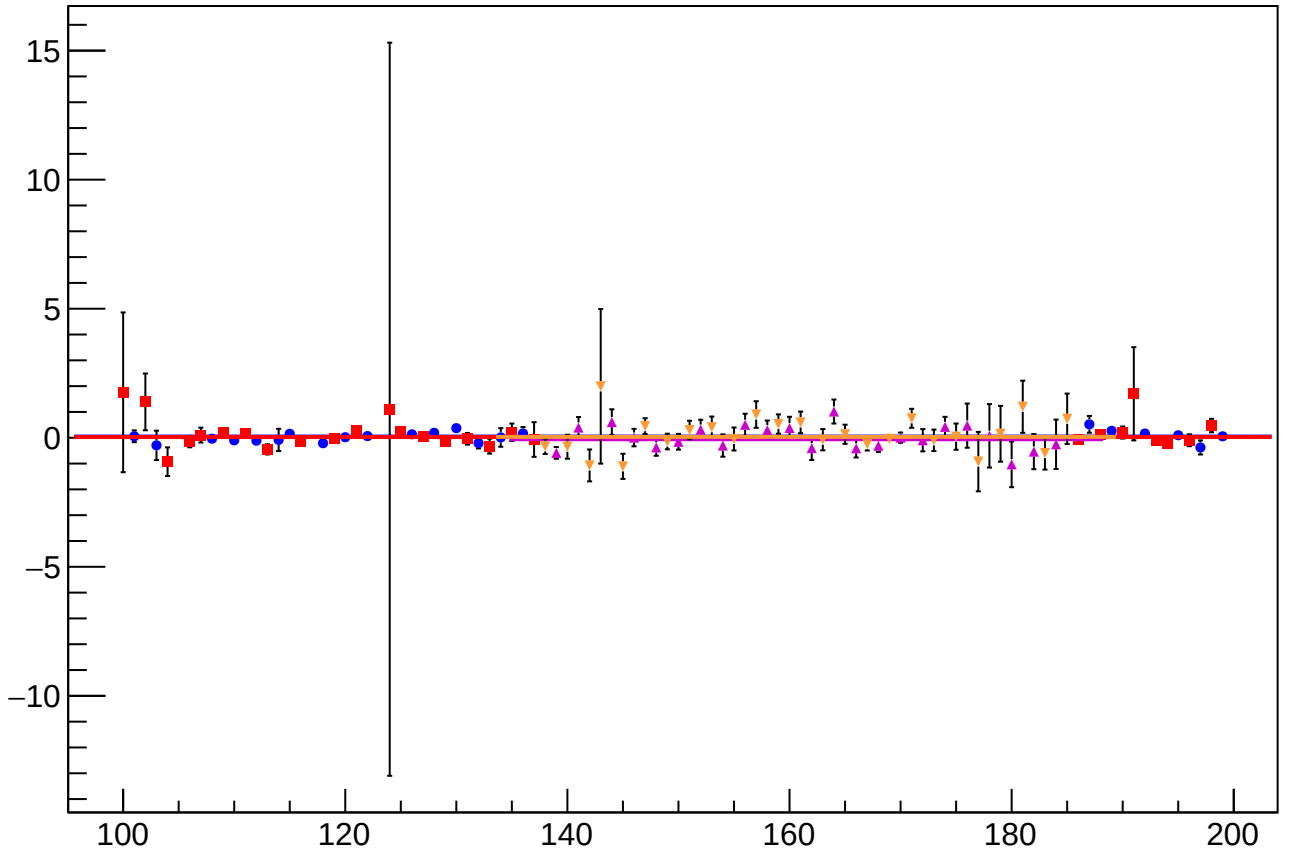
Right Out: 0.003+/-0.000 χ^2/NDF: 15298484.1/26

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 20078952.0/46

All: 0.004+/-0.000 χ^2/NDF: 49698105.1/96

- sign 0.004+/-0.000 χ^2/NDF: 28315135.2/49



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.028+/-0.036 χ^2/NDF: 31.3/26

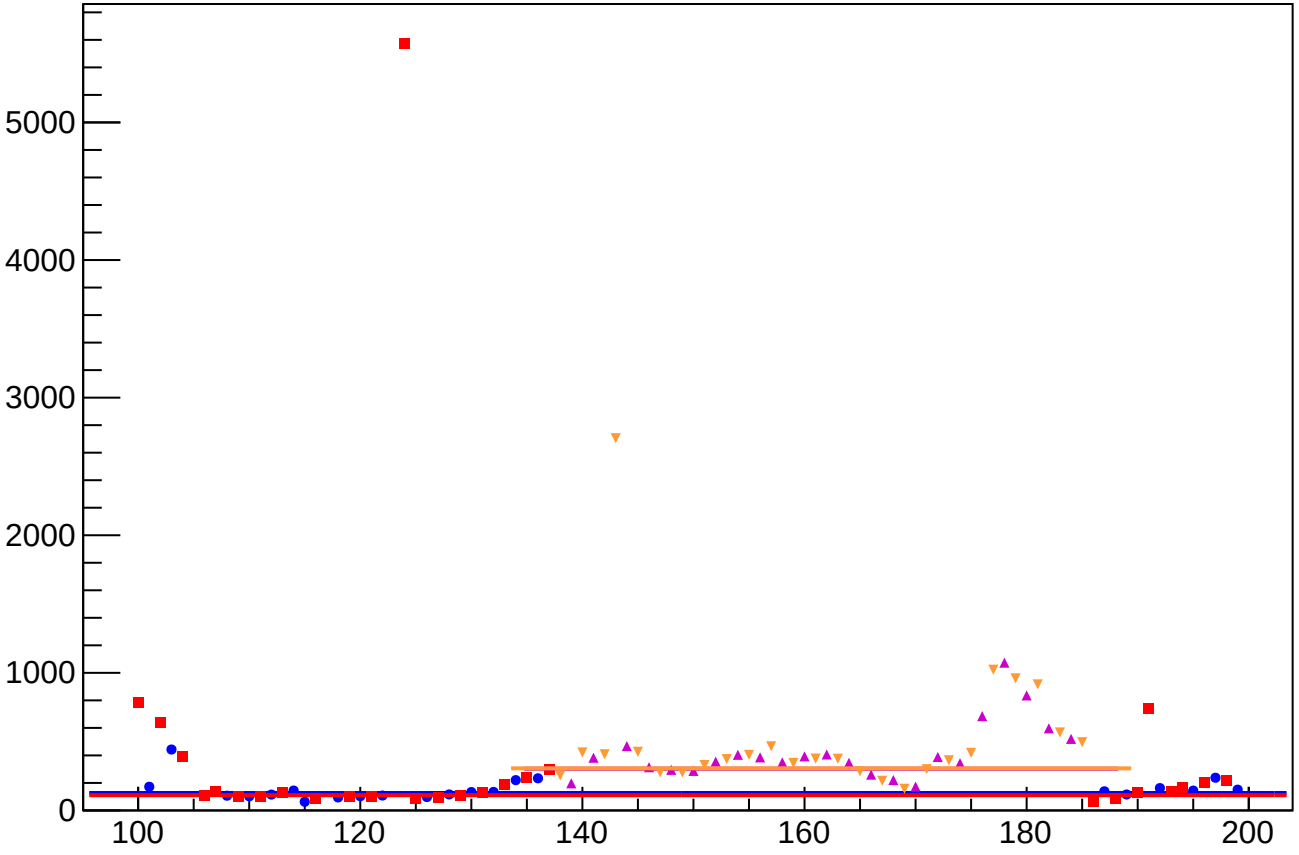
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.044+/-0.036 χ^2/NDF: 49.6/46

All: 0.027+/-0.024 χ^2/NDF: 108.3/96

- sign 0.013+/-0.032 χ^2/NDF: 58.3/49

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 126.869+/-0.029 χ^2/NDF: 2293366.7/21

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

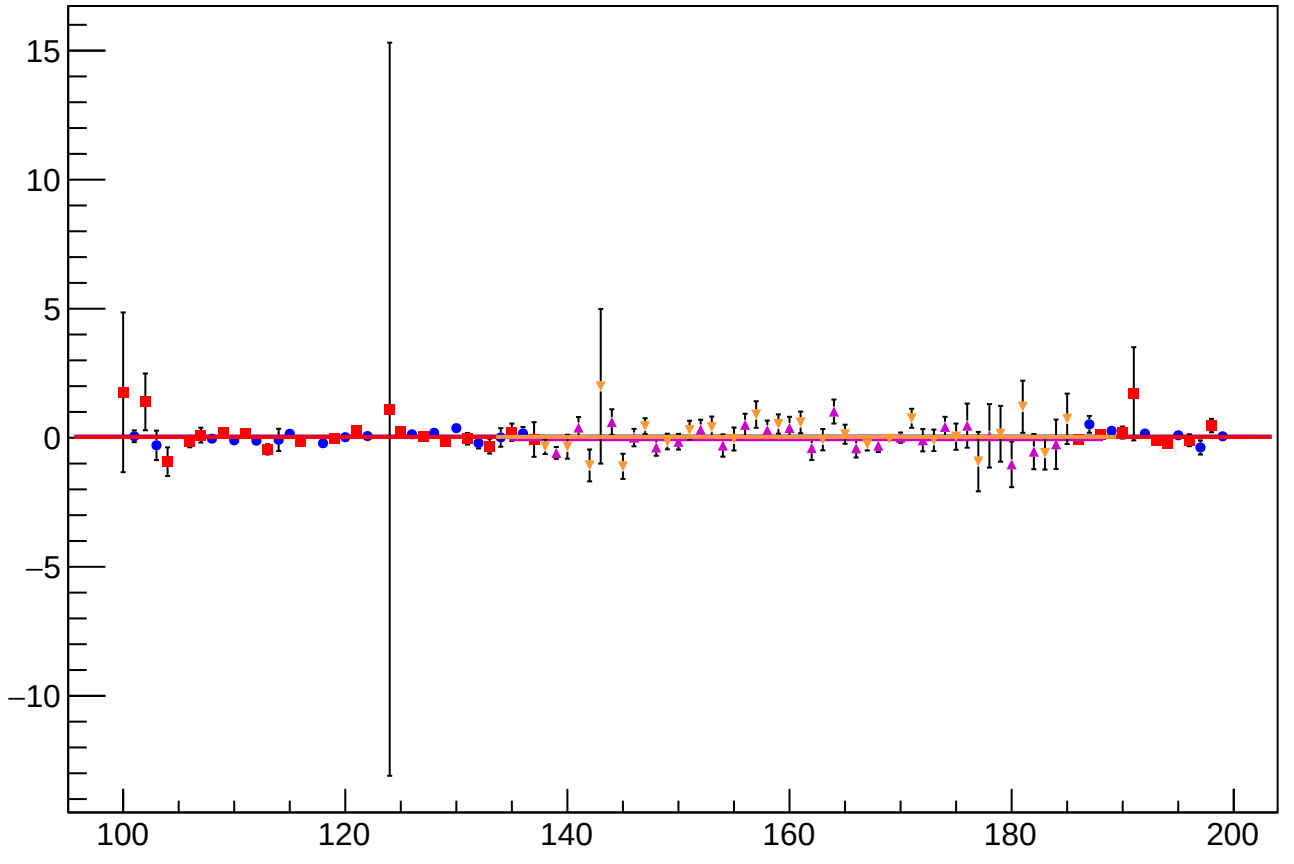
Right Out: 110.891+/-0.025 χ^2/NDF: 3911552.4/26

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.054+/-0.025 χ^2/NDF: 17236326.8/46

All: 153.875+/-0.017 χ^2/NDF: 36515681.2/96

- sign 144.787+/-0.023 χ^2/NDF: 18929478.3/49



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

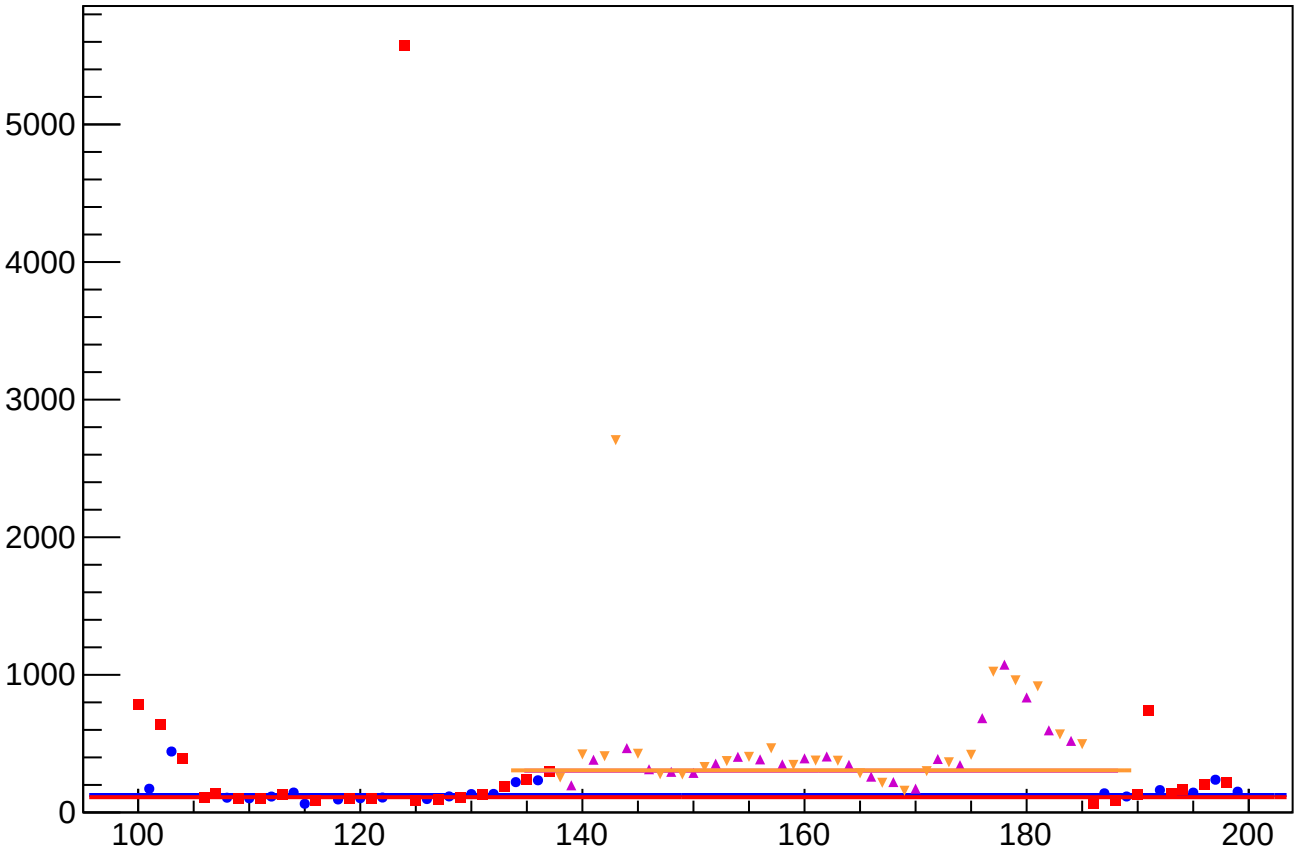
Right Out: 0.028+/-0.036 χ^2/NDF: 31.3/26

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.044+/-0.036 χ^2/NDF: 49.6/46

All: 0.027+/-0.024 χ^2/NDF: 108.3/96

- sign 0.013+/-0.032 χ^2/NDF: 58.3/49



Right In: 126.869+/-0.029 χ^2/NDF: 2293366.7/21

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

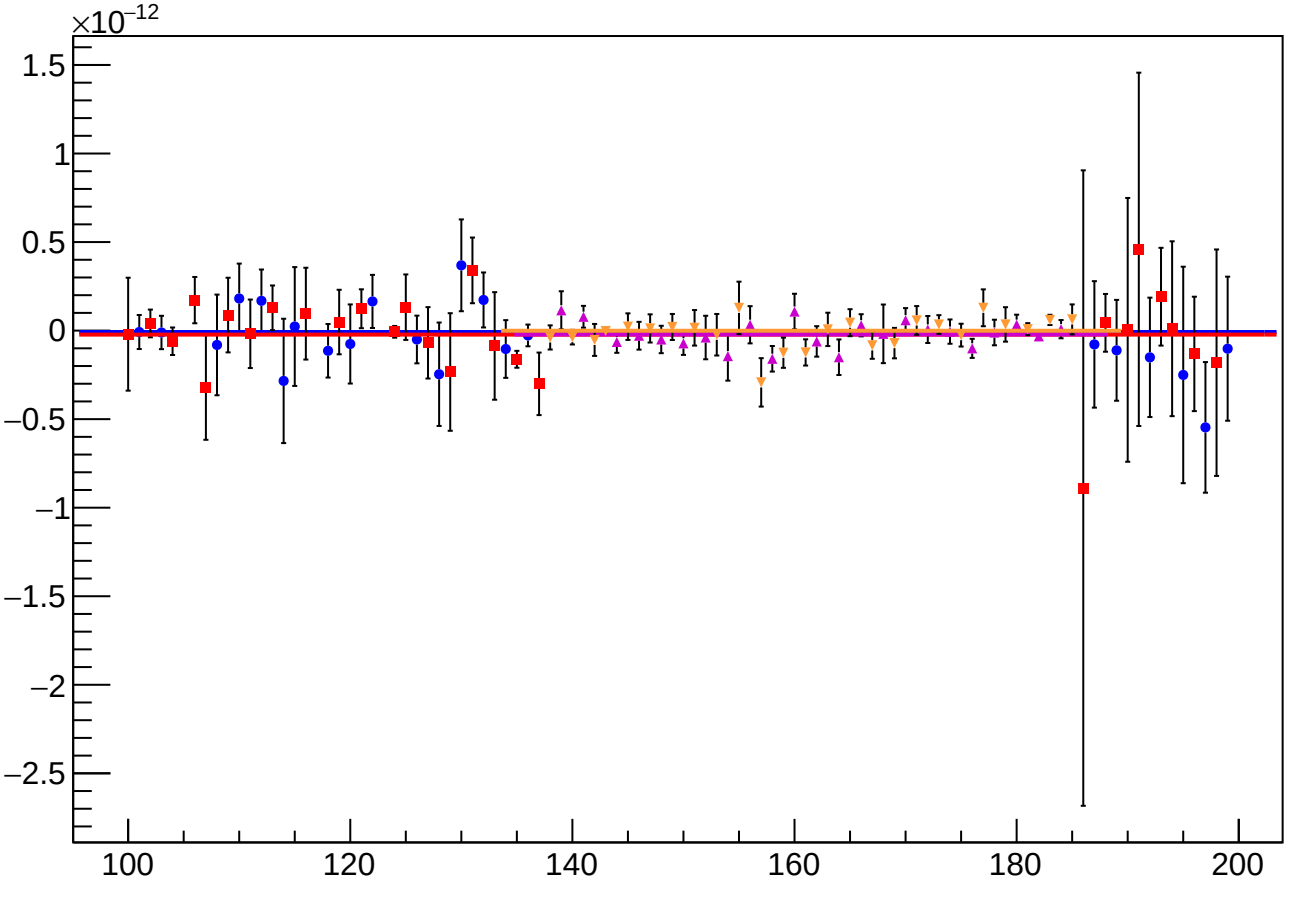
Right Out: 110.891+/-0.025 χ^2/NDF: 3911552.4/26

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.054+/-0.025 χ^2/NDF: 17236326.8/46

All: 153.875+/-0.017 χ^2/NDF: 36515681.2/96

- sign 144.787+/-0.023 χ^2/NDF: 18929478.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

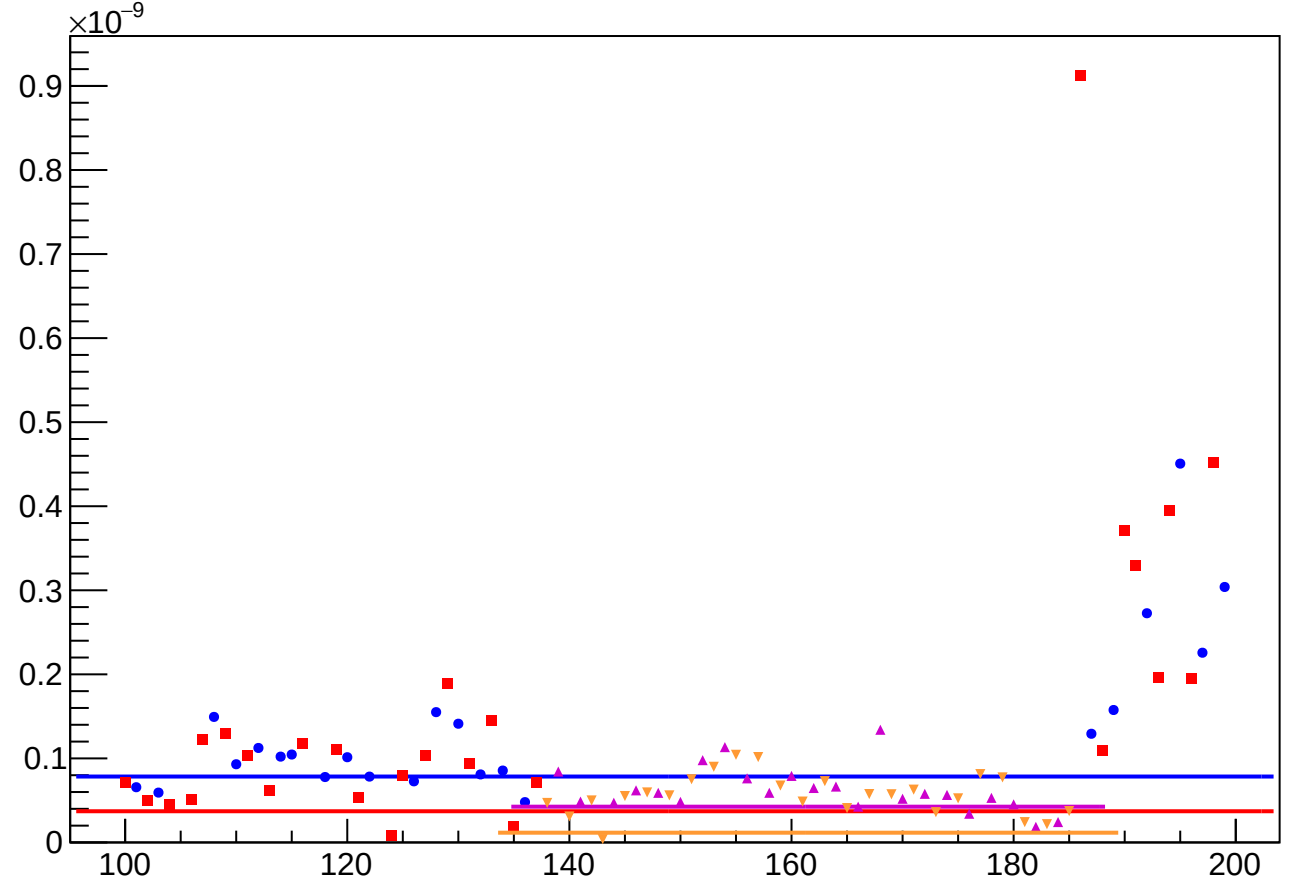
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/26

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.0/46

All: -0.000+/-0.000 χ^2/NDF: 81.9/96

- sign -0.000+/-0.000 χ^2/NDF: 45.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 3659725.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9022224.4/26

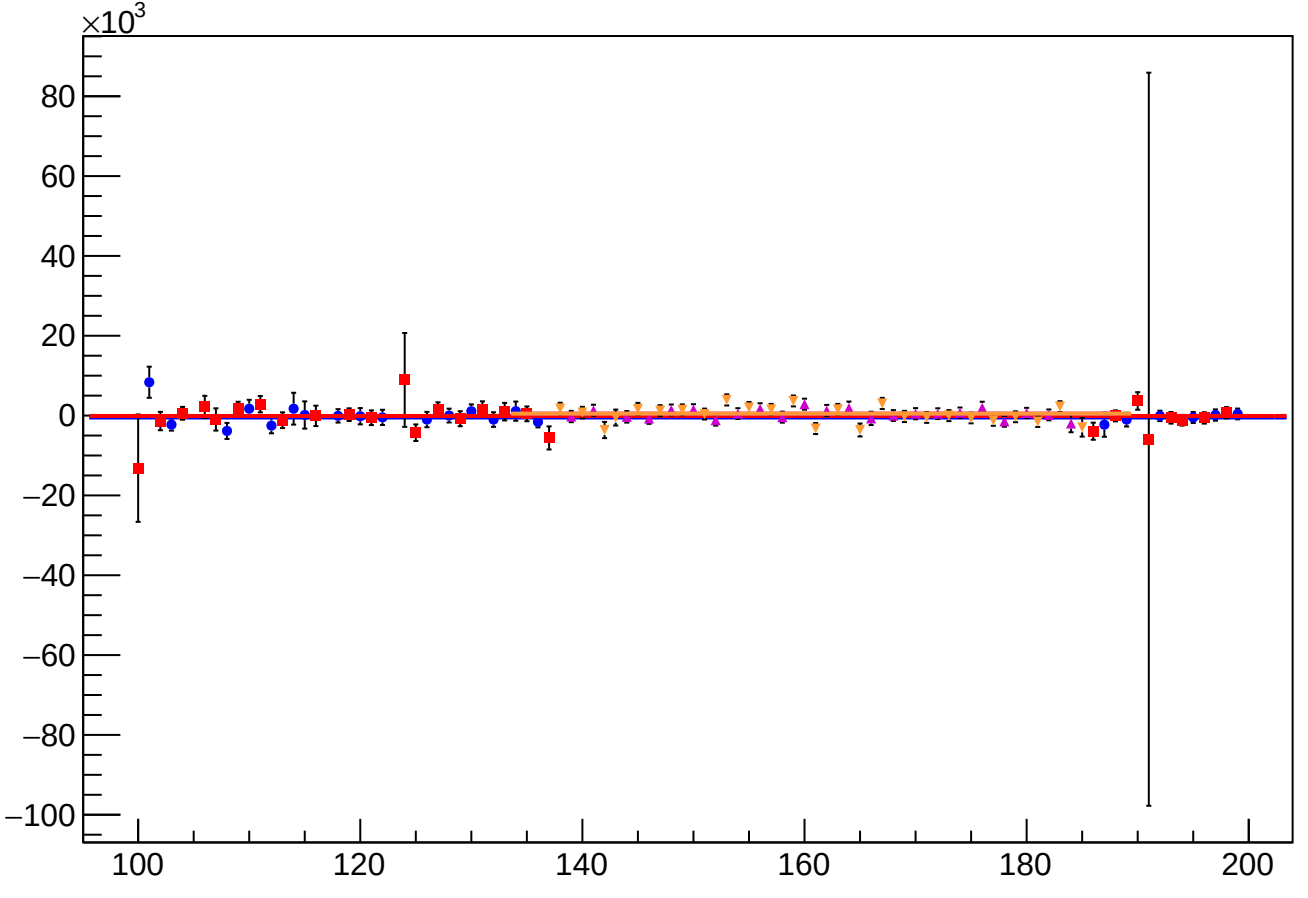
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 29211793.9/46

All: 0.000+/-0.000 χ^2/NDF: 53139904.9/96

- sign 0.000+/-0.000 χ^2/NDF: 14536283.2/49

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -94.811+/-372.963 χ^2/NDF: 23.3/26

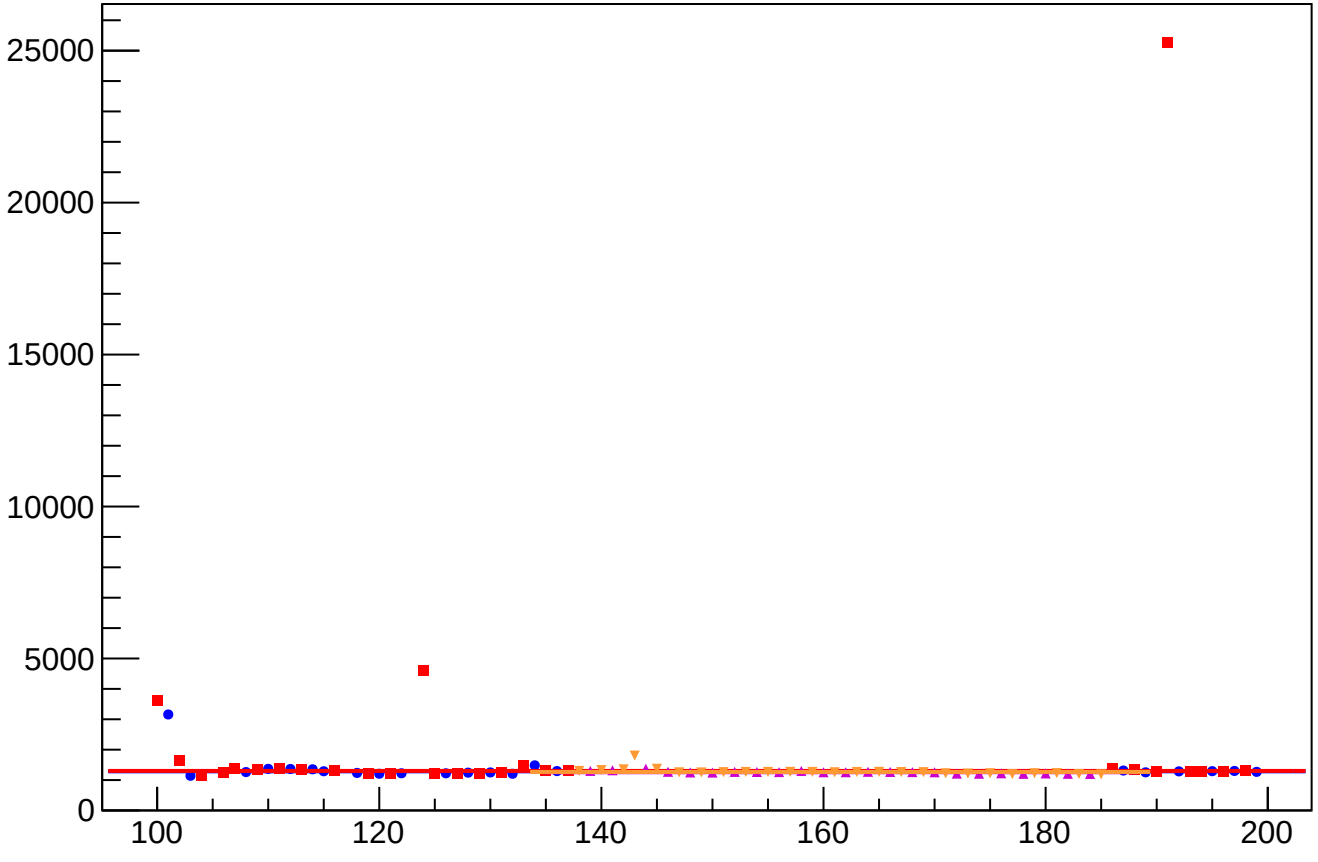
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 142.192+/-230.548 χ^2/NDF: 66.1/46

All: 203.100+/-163.103 χ^2/NDF: 105.5/96

- sign 264.130+/-230.777 χ^2/NDF: 39.2/49

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

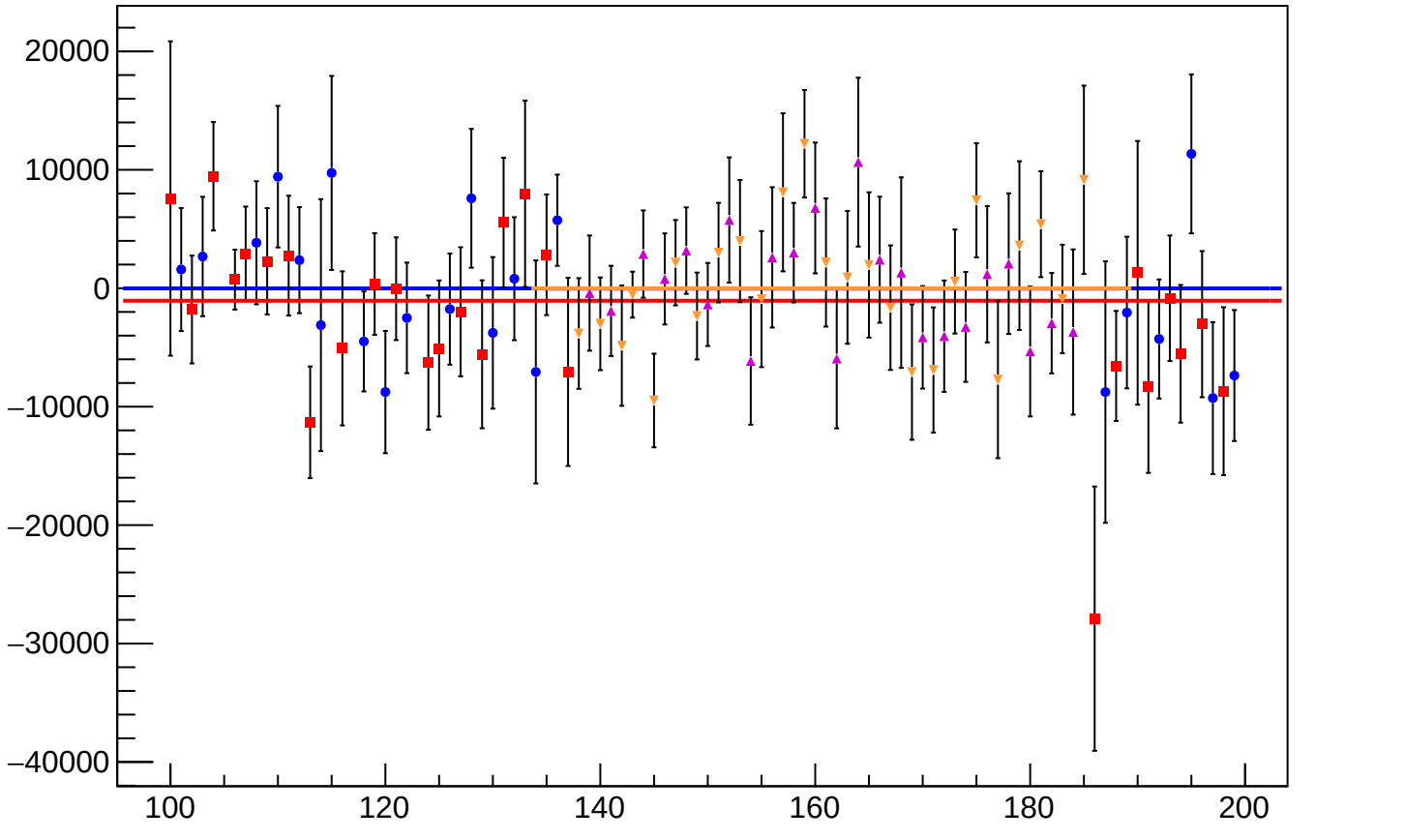
Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707221.8/46

All: 1274.191+/-0.115 χ^2/NDF: 1226377.1/96

- sign 1274.090+/-0.163 χ^2/NDF: 519154.5/49



Right In: -14.713+/-1177.908 χ^2/NDF: 22.6/21

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

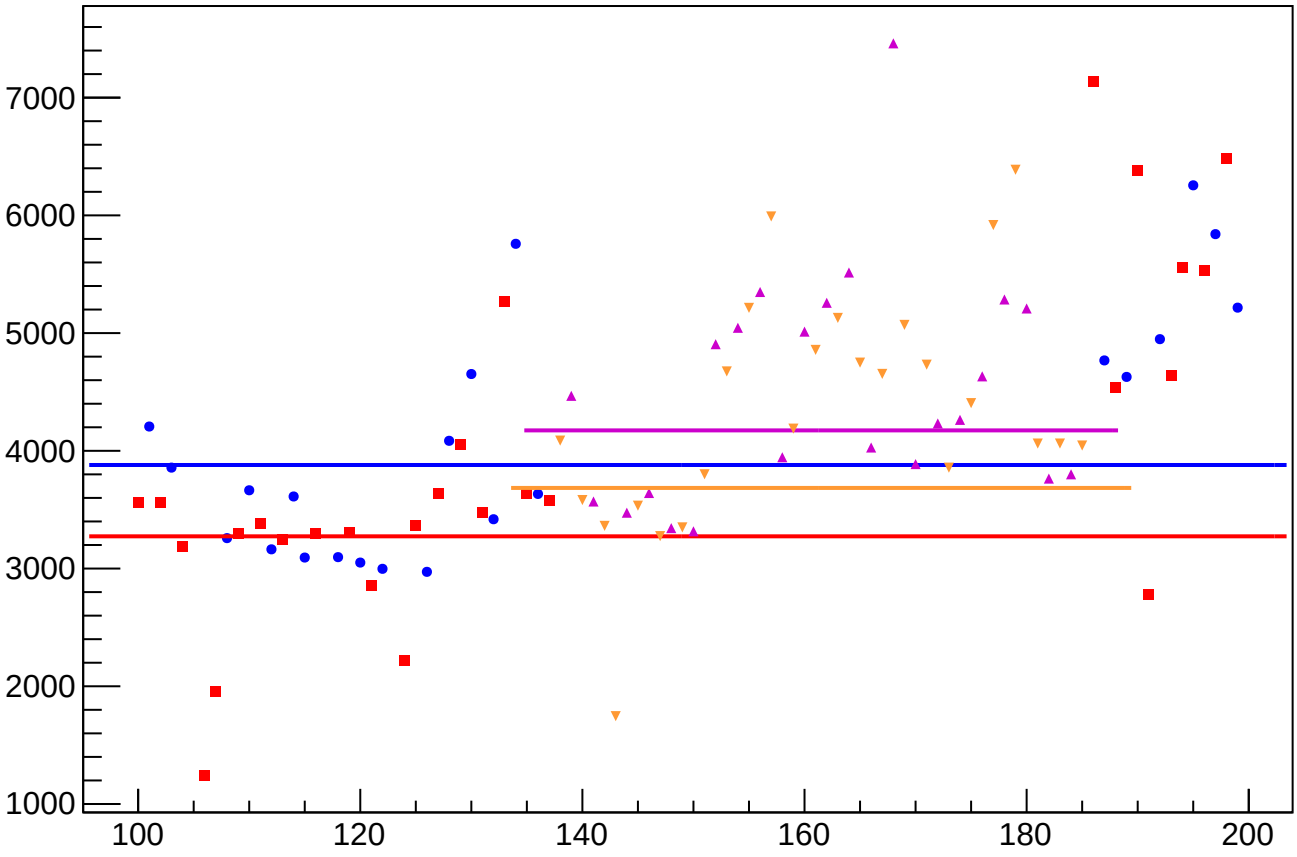
Right Out: -1054.355+/-998.678 χ^2/NDF: 29.5/26

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -5.706+/-708.307 χ^2/NDF: 51.7/46

All: -274.742+/-499.672 χ^2/NDF: 96.0/96

- sign -541.266+/-704.992 χ^2/NDF: 44.1/49



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

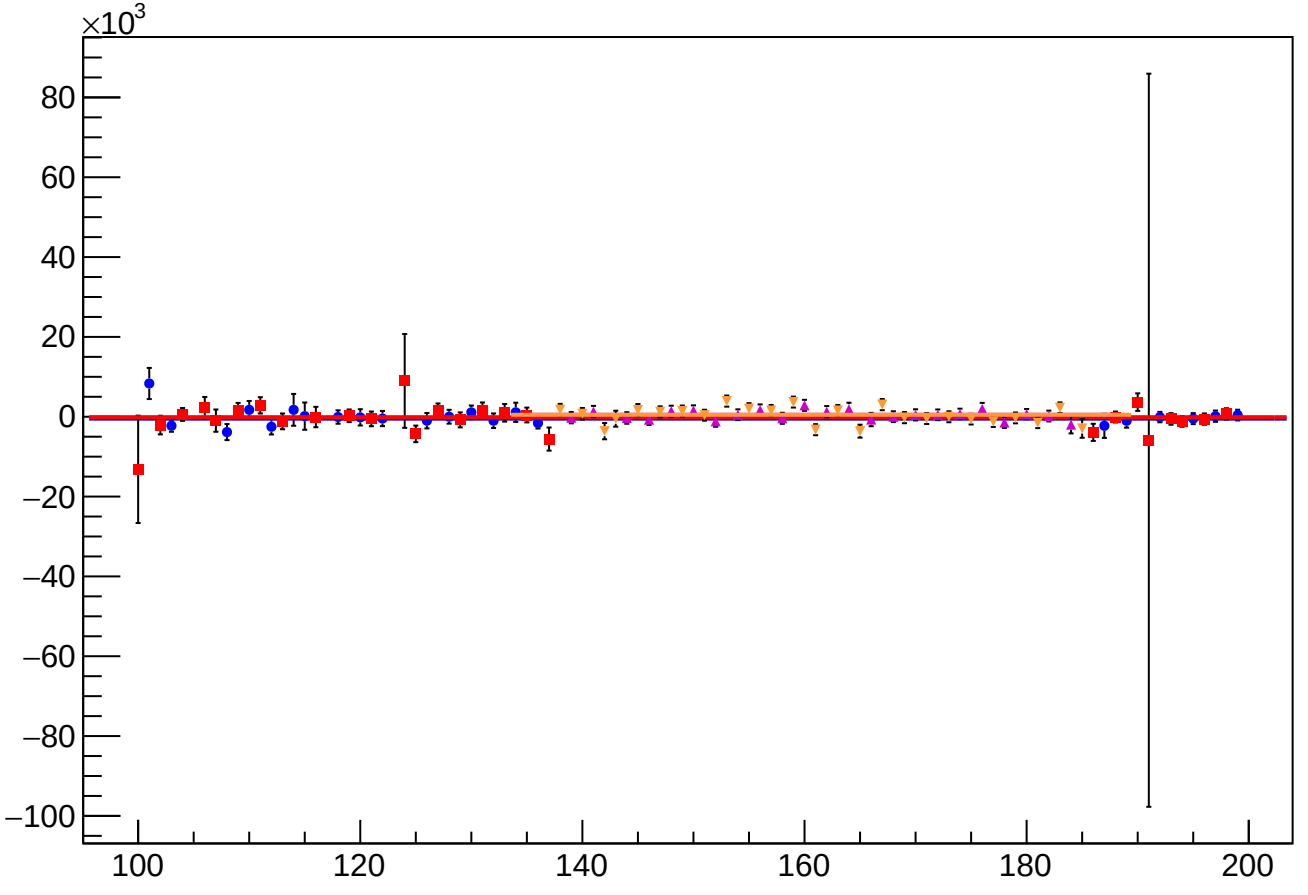
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3755.240+/-0.501 χ^2/NDF: 4925415.8/46

All: 3740.123+/-0.353 χ^2/NDF: 10483348.5/9

- sign 3725.147+/-0.499 χ^2/NDF: 5556119.1/49

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

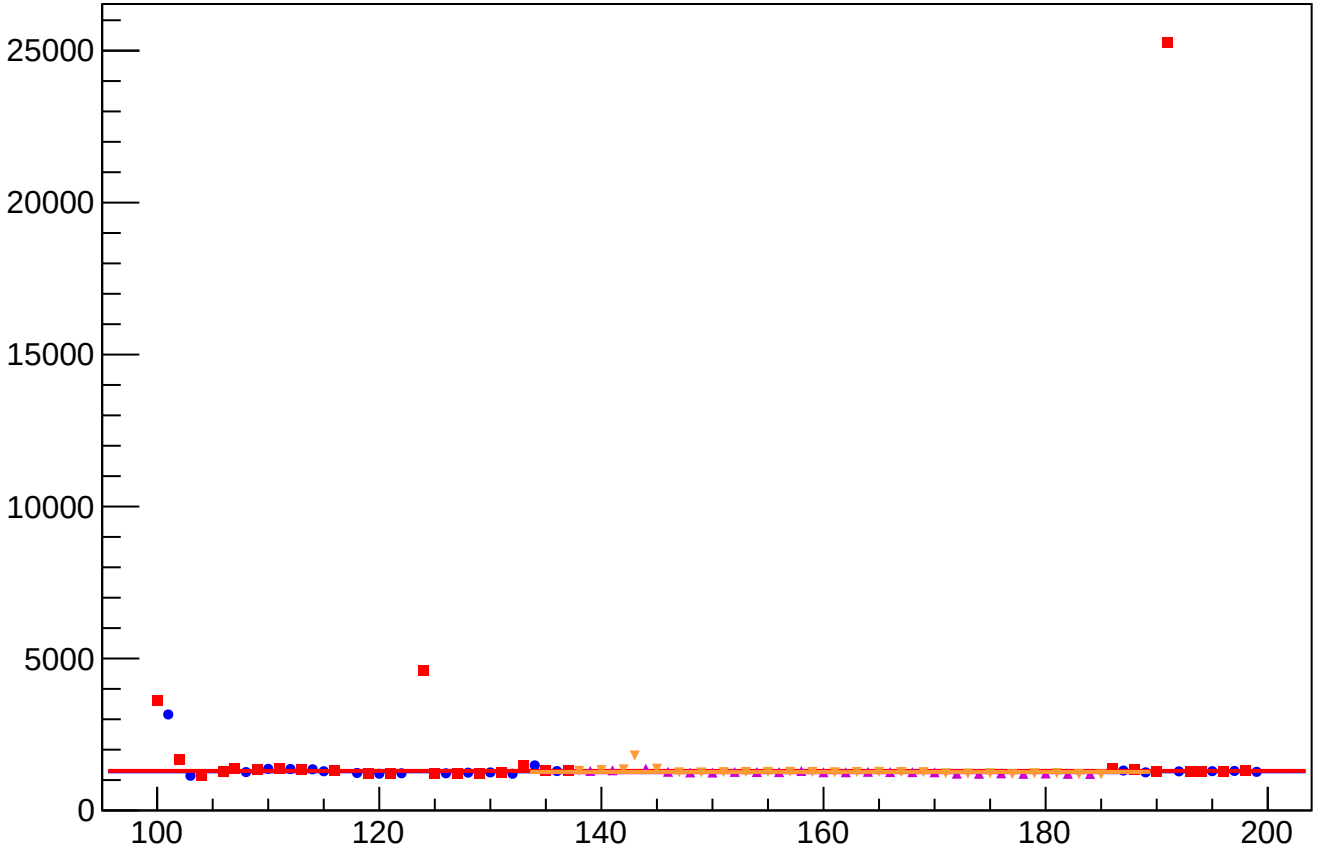
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 199.817+/-163.115 χ^2/NDF: 106.0/96

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

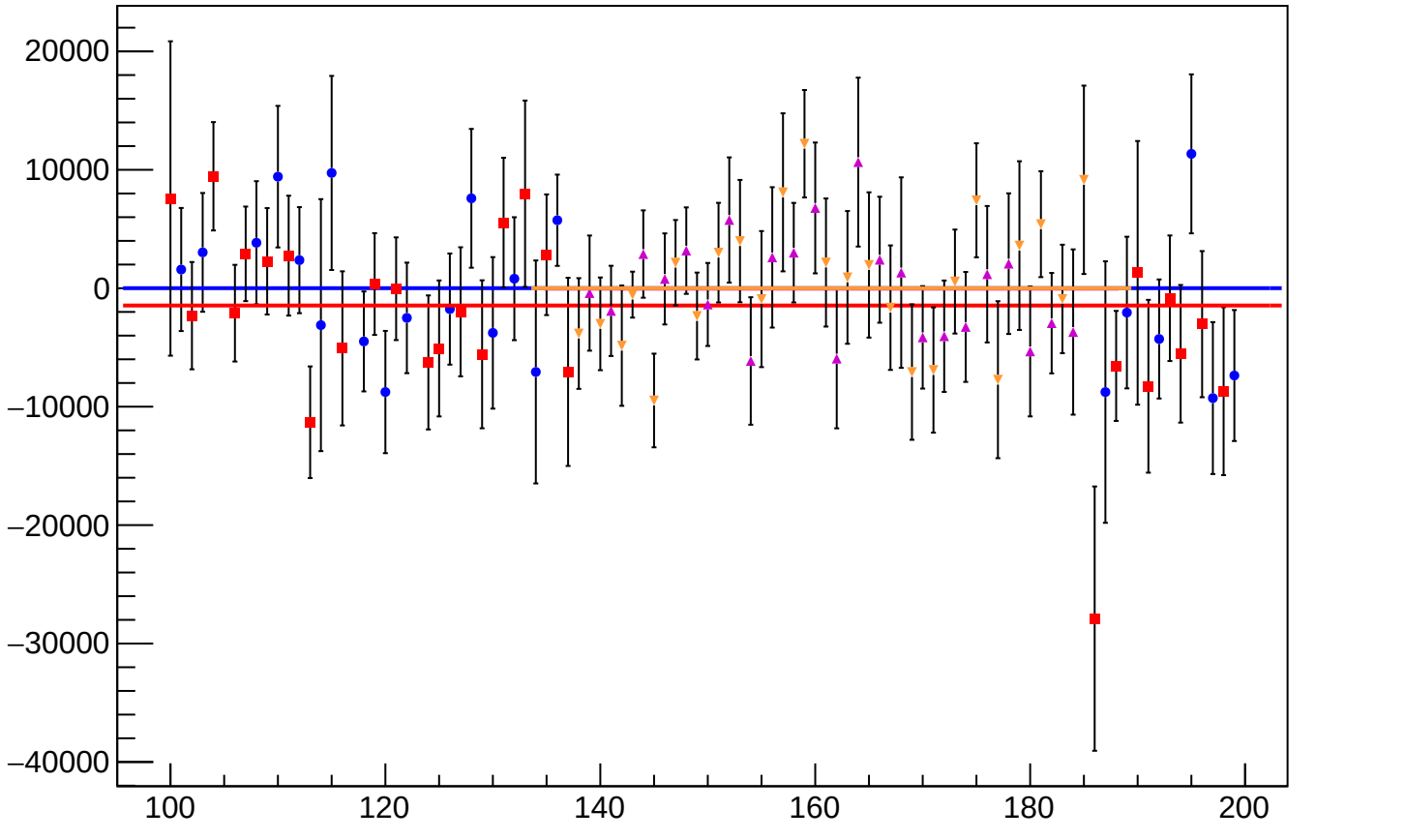
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96

- sign 1274.529+/-0.163 χ^2/NDF: 526539.9/49



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

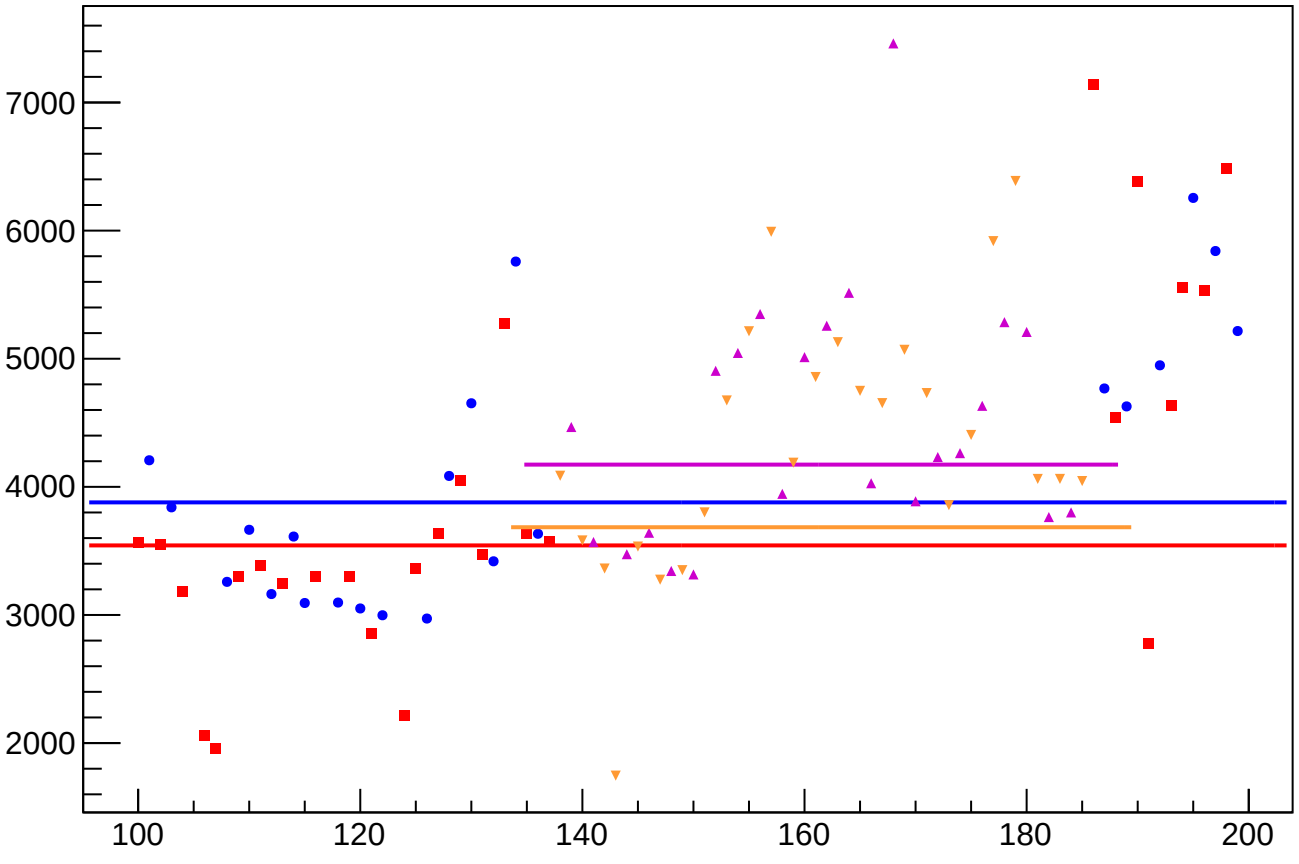
Right Out: -1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 1.860+/-708.237 χ^2/NDF: 51.8/46

All: -345.434+/-505.725 χ^2/NDF: 96.3/96

- sign -706.737+/-722.380 χ^2/NDF: 44.0/49



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

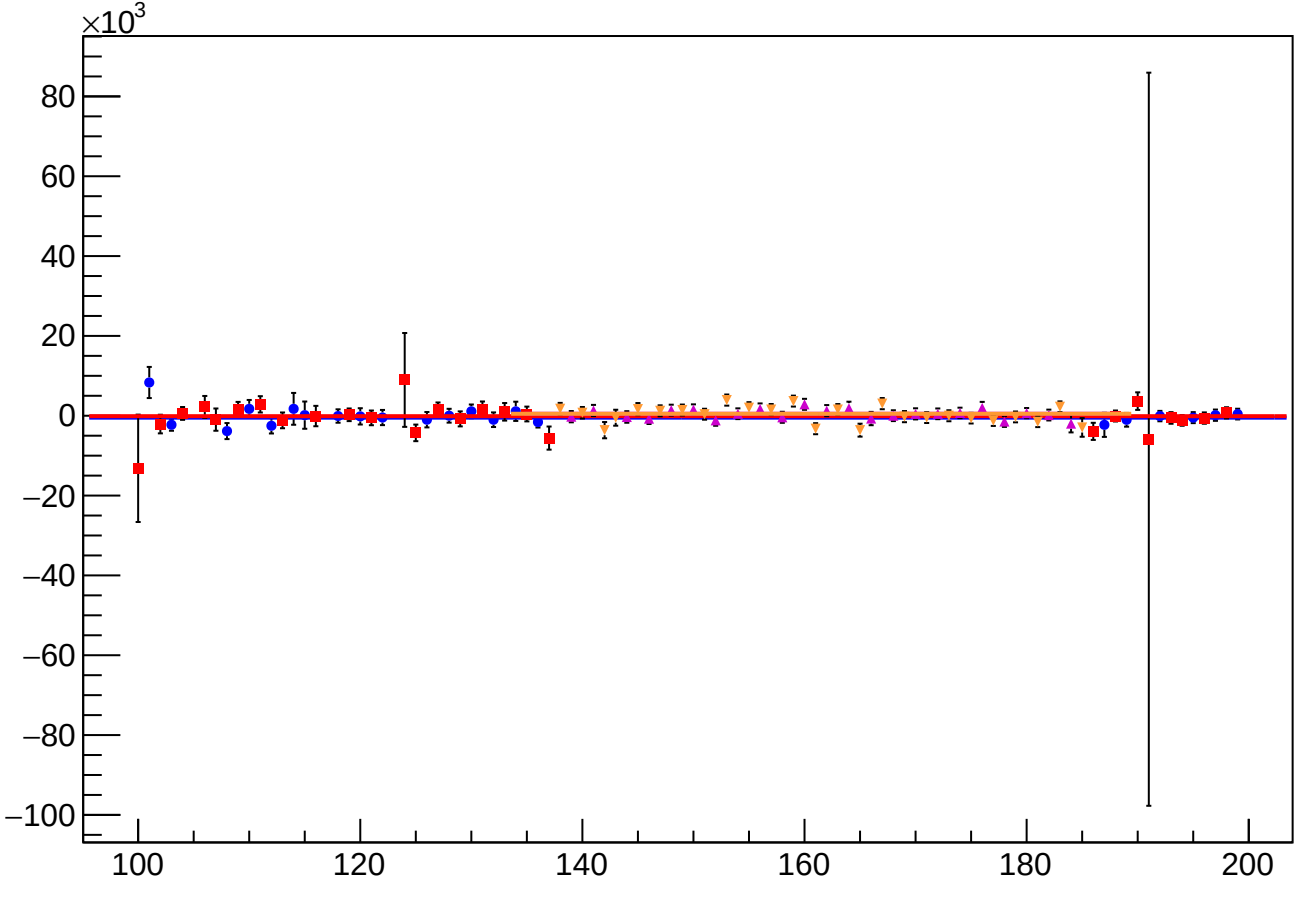
Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3813.816+/-0.358 χ^2/NDF: 8828544.6/96

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

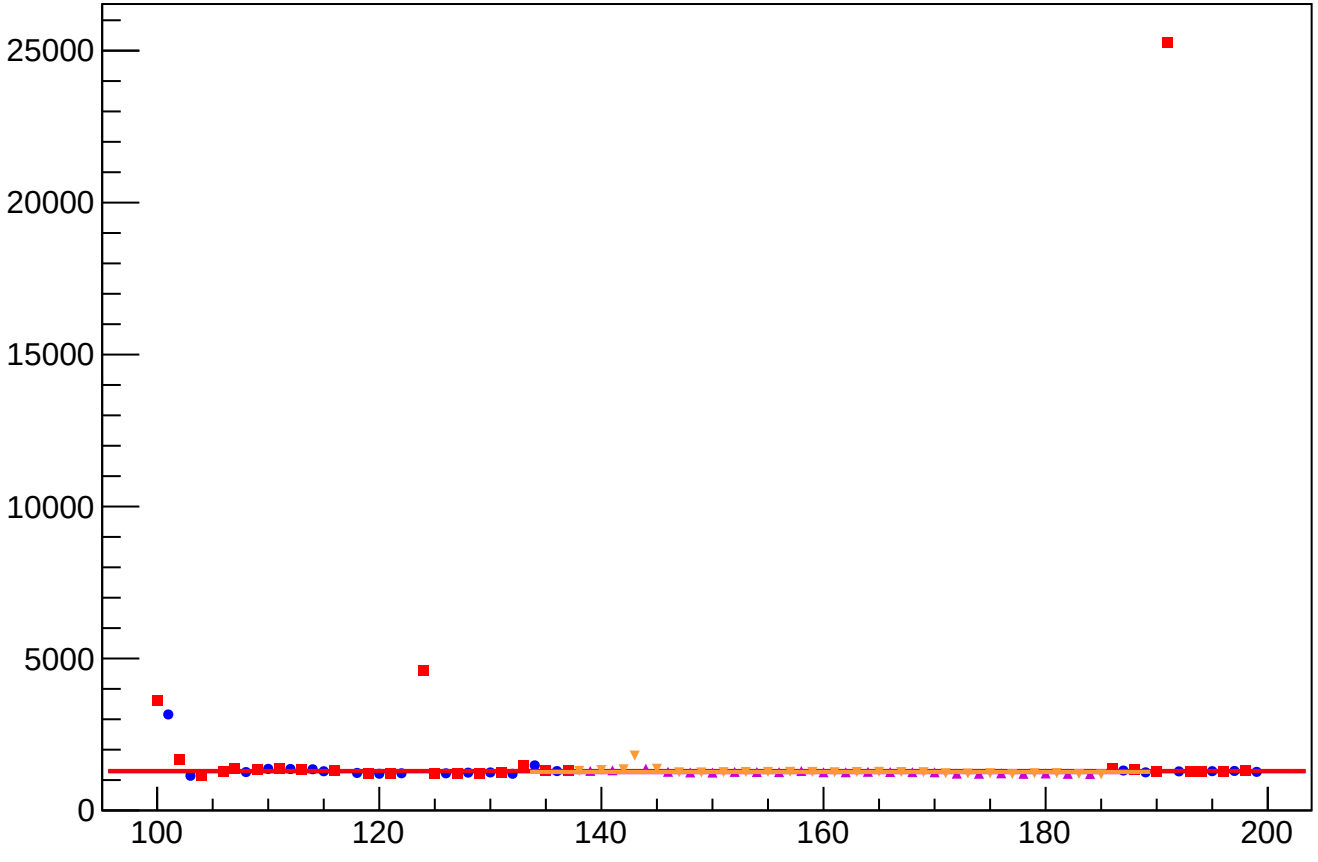
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 199.817+/-163.115 χ^2/NDF: 106.0/96

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

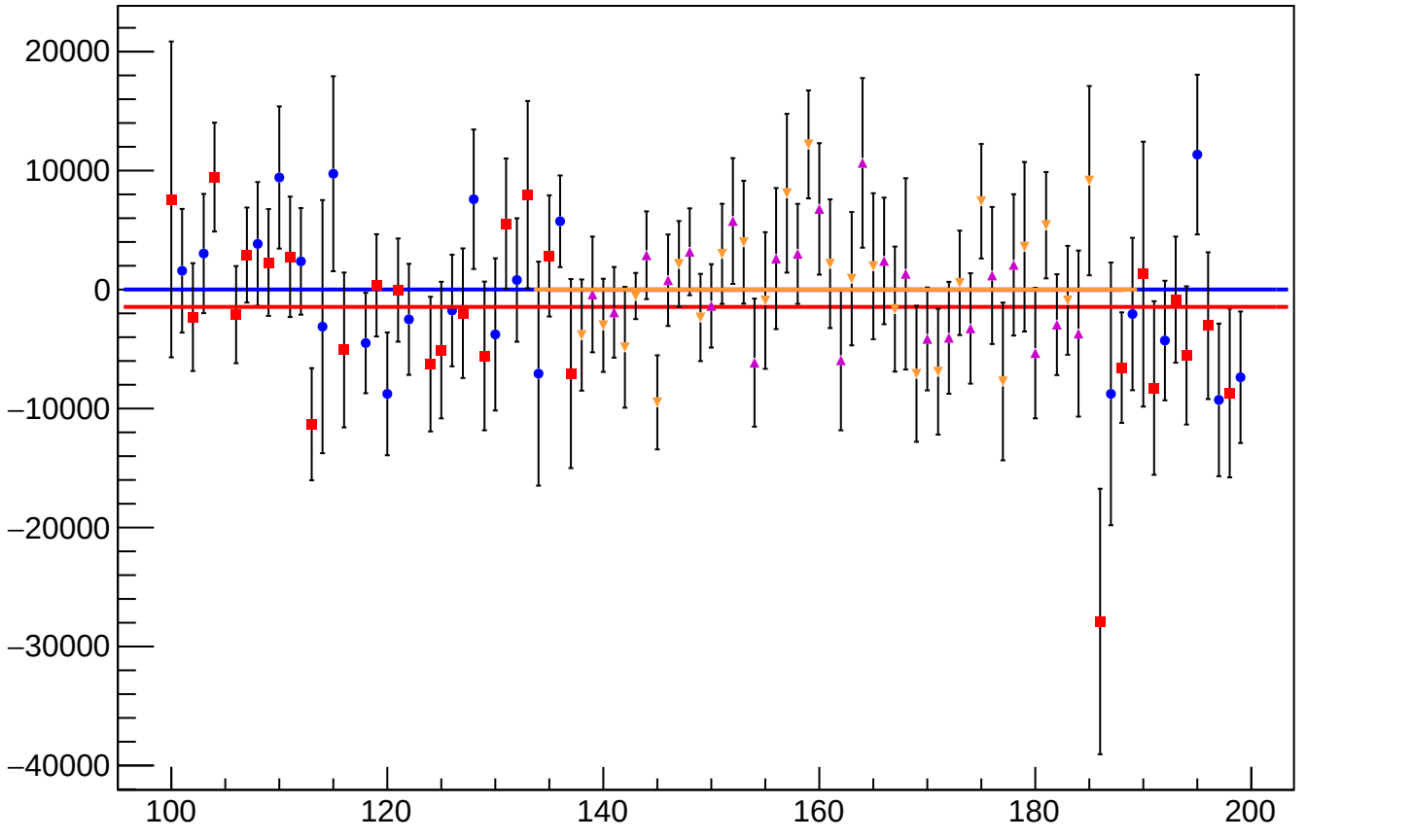
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96

- sign 1274.529+/-0.163 χ^2/NDF: 526539.9/49



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

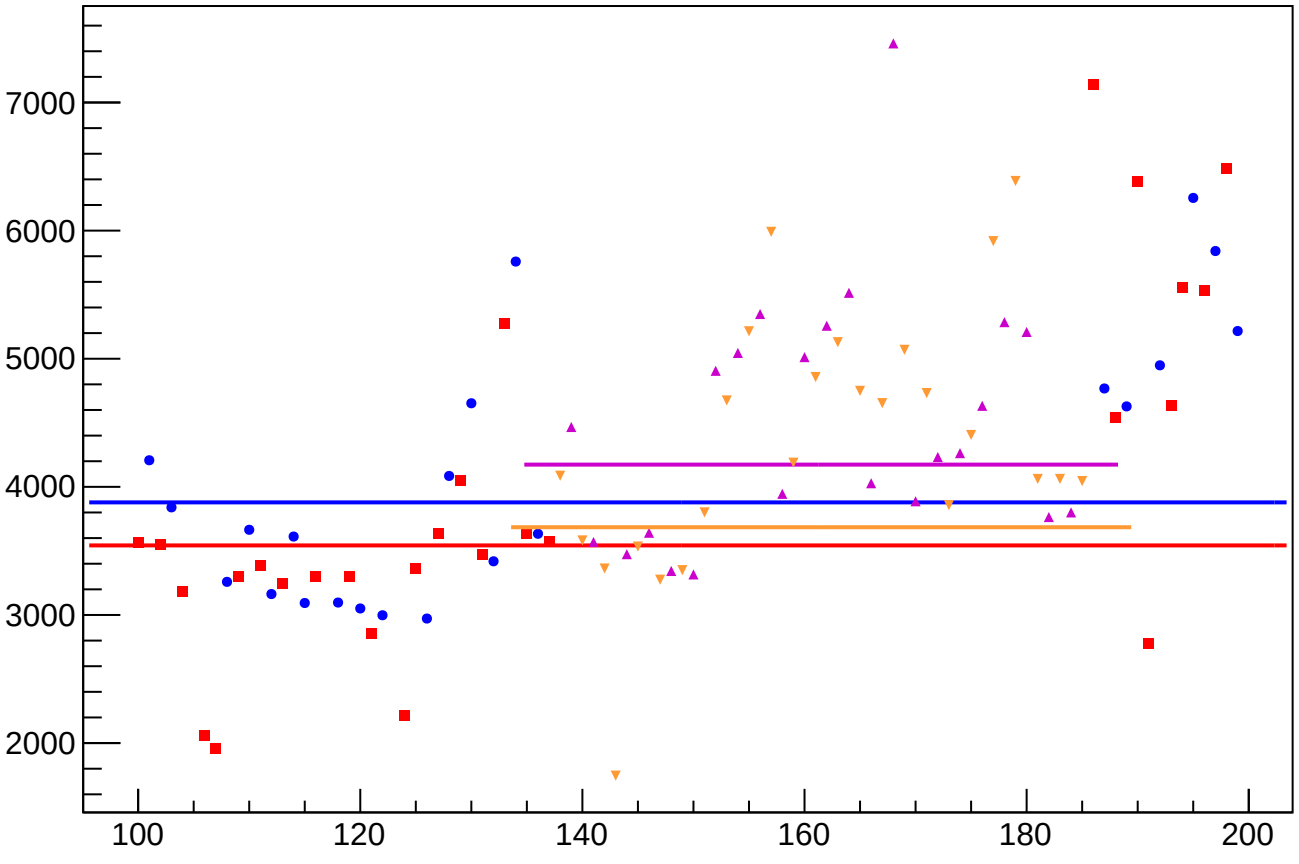
Right Out: -1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 1.860+/-708.237 χ^2/NDF: 51.8/46

All: -345.434+/-505.725 χ^2/NDF: 96.3/96

- sign -706.737+/-722.380 χ^2/NDF: 44.0/49



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

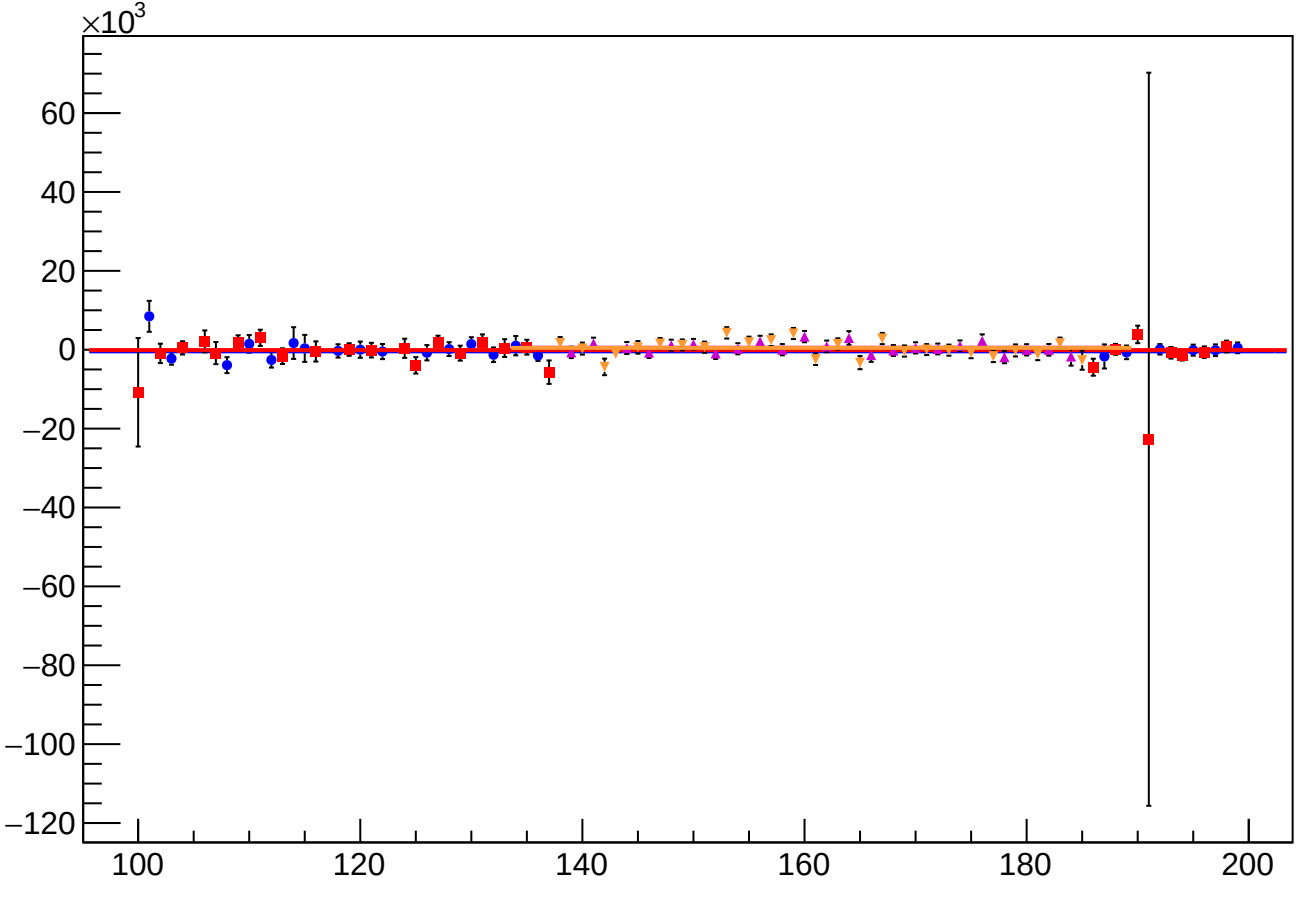
Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3813.816+/-0.358 χ^2/NDF: 8828544.6/96

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.322+/-374.882 χ^2/NDF: 24.0/26

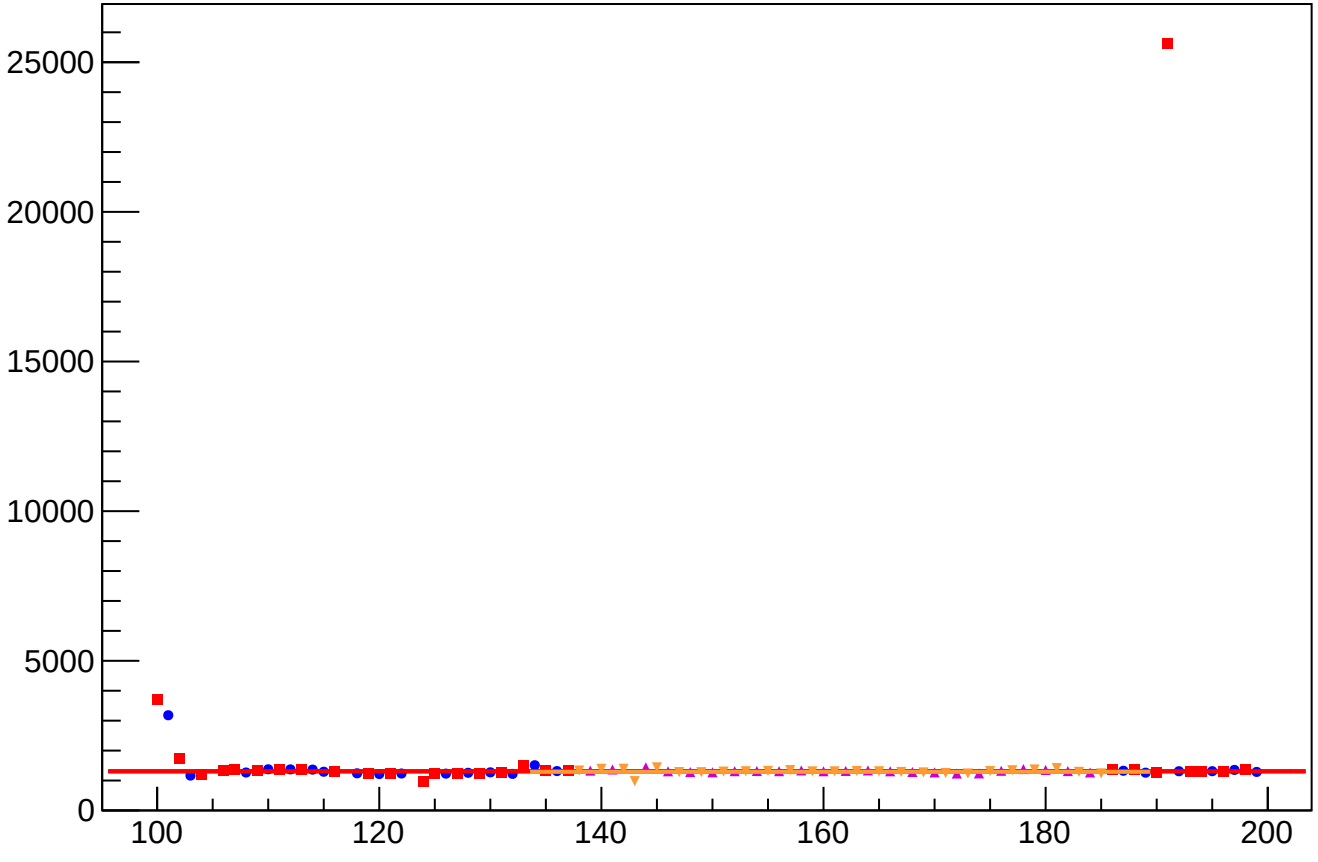
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 149.631+/-234.692 χ^2/NDF: 62.5/46

All: 206.077+/-166.952 χ^2/NDF: 105.5/96

- sign 263.903+/-237.544 χ^2/NDF: 42.9/49

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

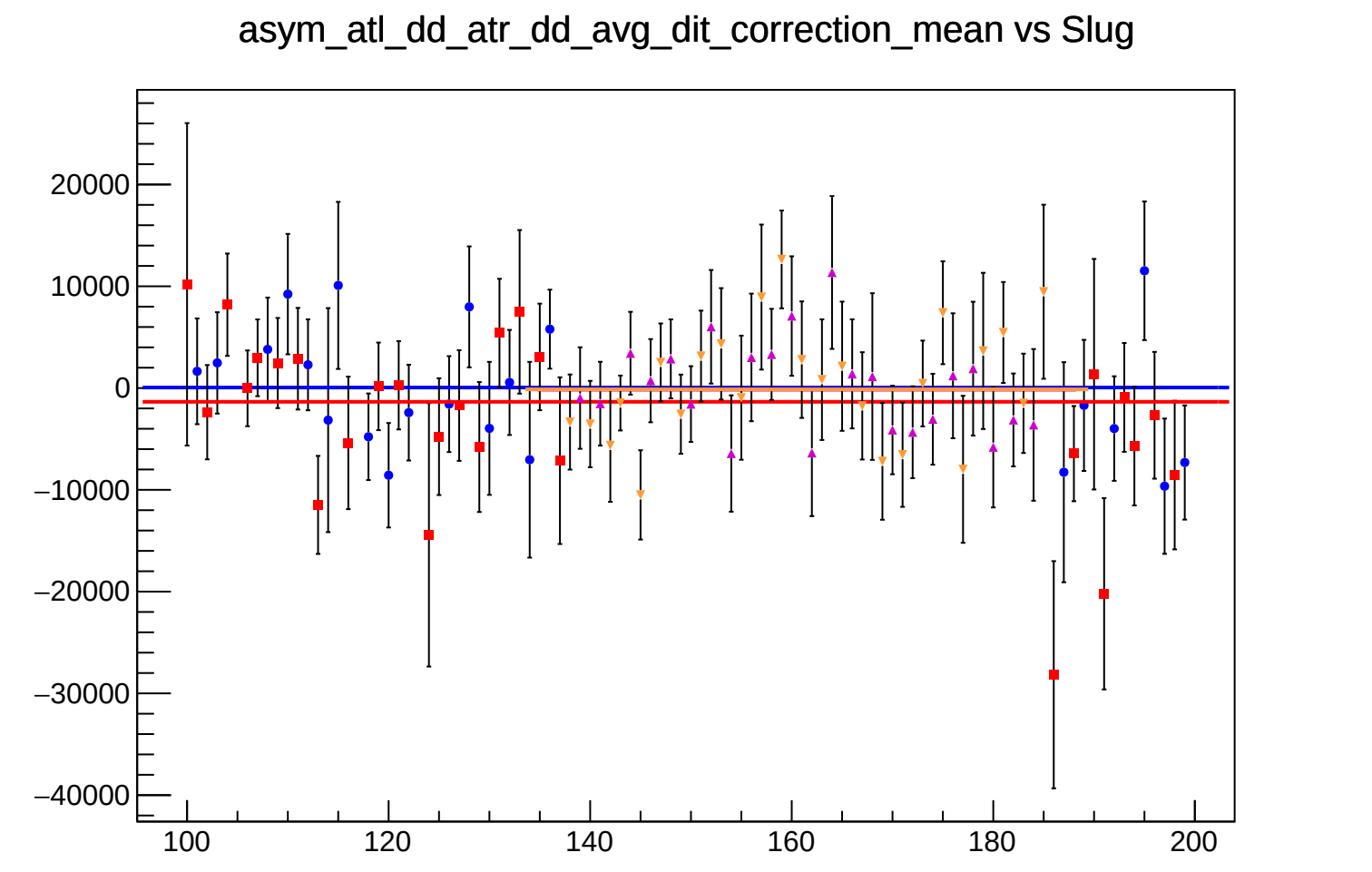
Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.503+/-0.166 χ^2/NDF: 747115.9/46

All: 1304.394+/-0.118 χ^2/NDF: 1157958.5/96

- sign 1312.475+/-0.168 χ^2/NDF: 406266.1/49



Right In: 51.528+/-1183.391 χ^2/NDF: 22.5/21

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

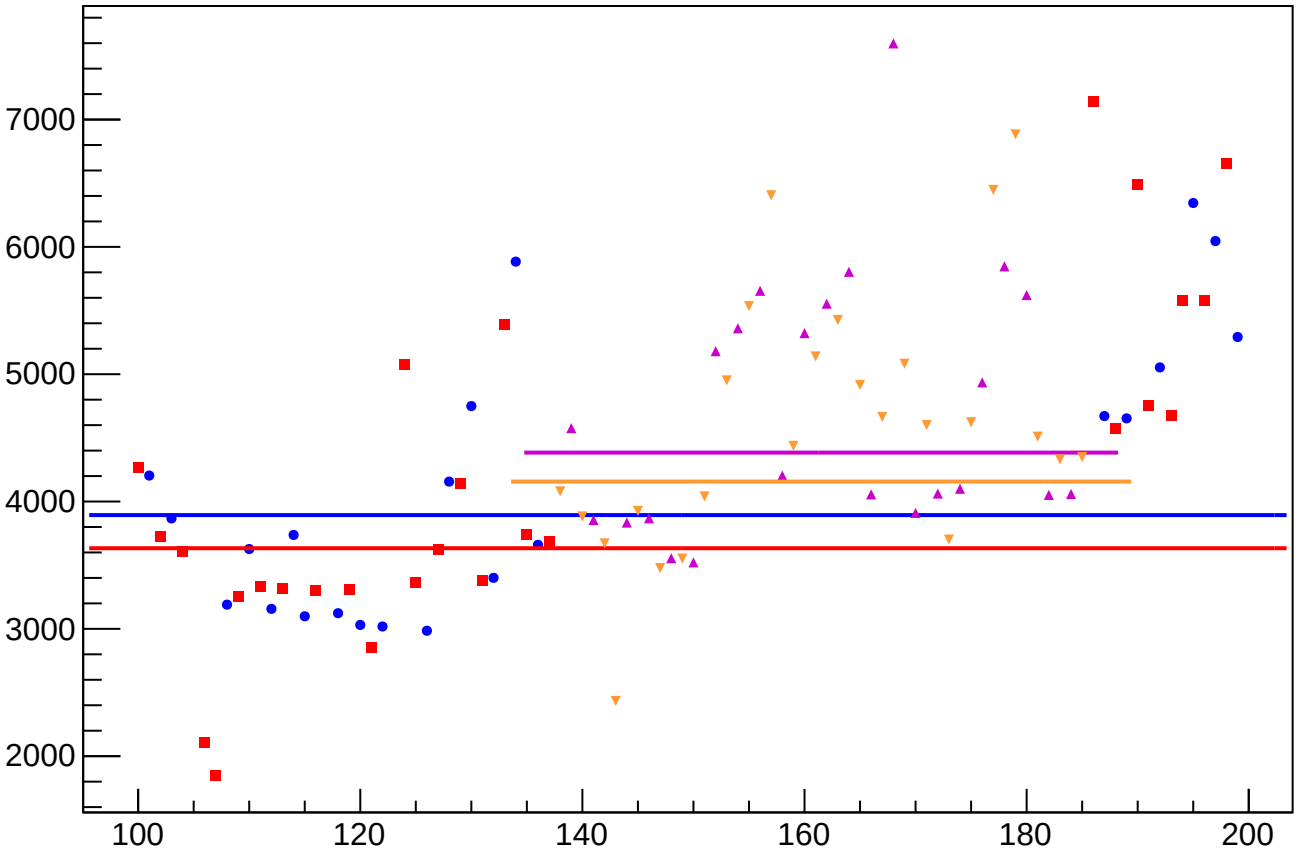
Right Out: -1349.010+/-1068.322 χ^2/NDF: 30.7/26

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -54.780+/-753.518 χ^2/NDF: 51.1/46

All: -400.968+/-530.578 χ^2/NDF: 96.6/96

- sign -741.395+/-747.222 χ^2/NDF: 45.1/49



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

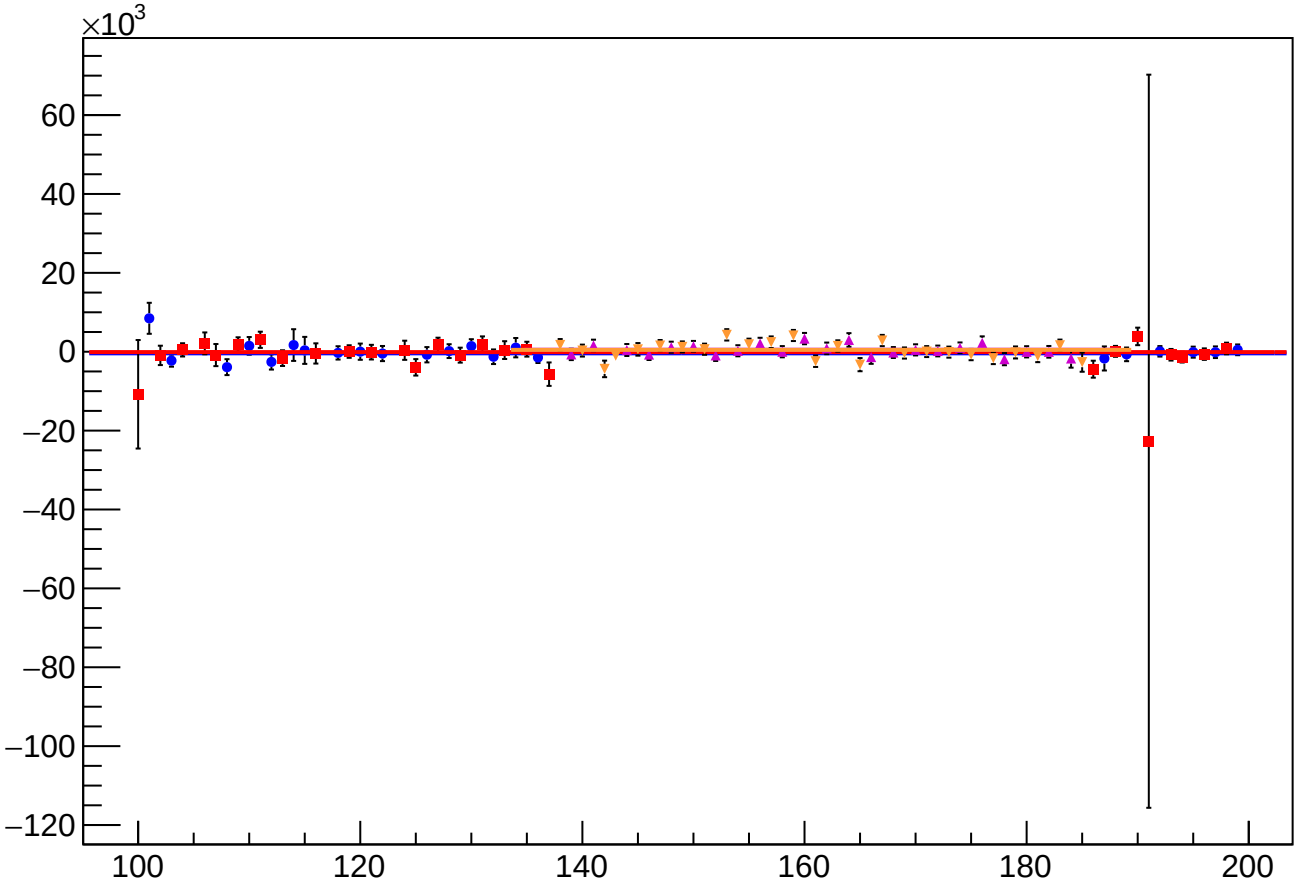
Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

\+ sign 4049.905+/-0.533 χ^2/NDF: 3410706.2/46

All: 4033.278+/-0.375 χ^2/NDF: 7484379.0/96

\- sign 4016.928+/-0.528 χ^2/NDF: 4071741.4/49



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.319+/-374.882 χ^2/NDF: 24.0/26

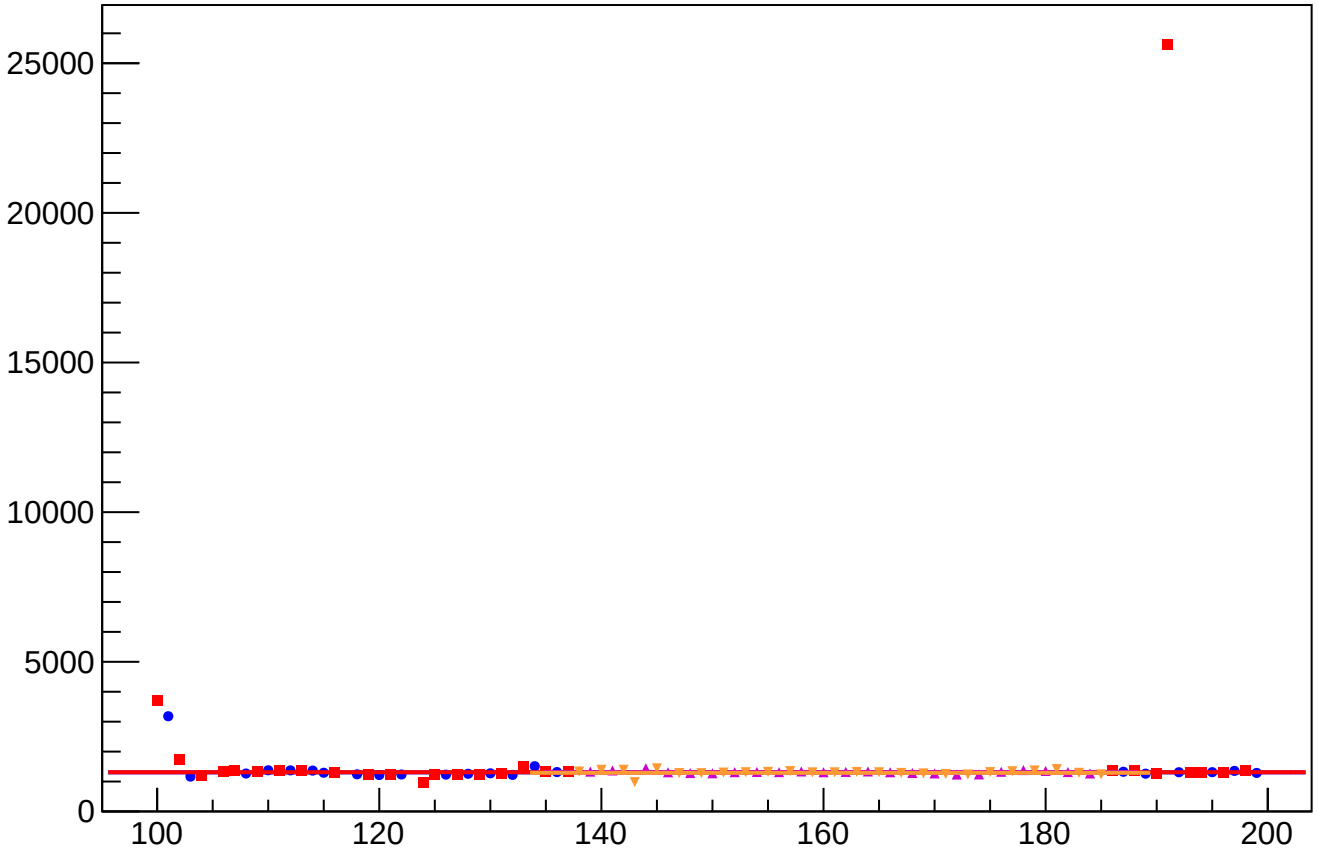
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 149.633+/-234.692 χ^2/NDF: 62.5/46

All: 206.079+/-166.952 χ^2/NDF: 105.5/96

- sign 263.904+/-237.544 χ^2/NDF: 42.9/49

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

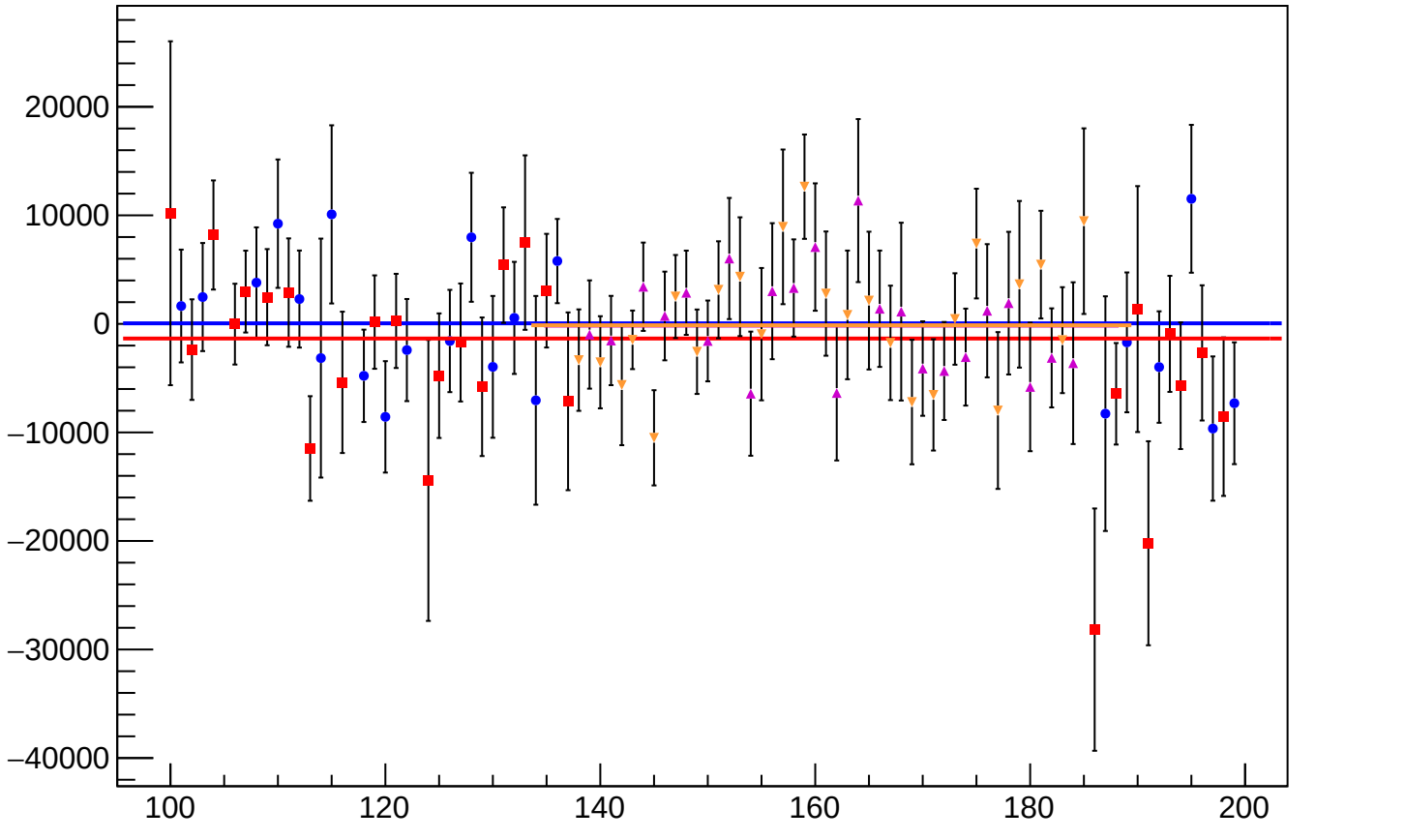
Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.504+/-0.166 χ^2/NDF: 747118.3/46

All: 1304.395+/-0.118 χ^2/NDF: 1157963.4/96

- sign 1312.476+/-0.168 χ^2/NDF: 406268.6/49



Right In: 51.522+/-1183.389 χ^2/NDF: 22.5/21

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

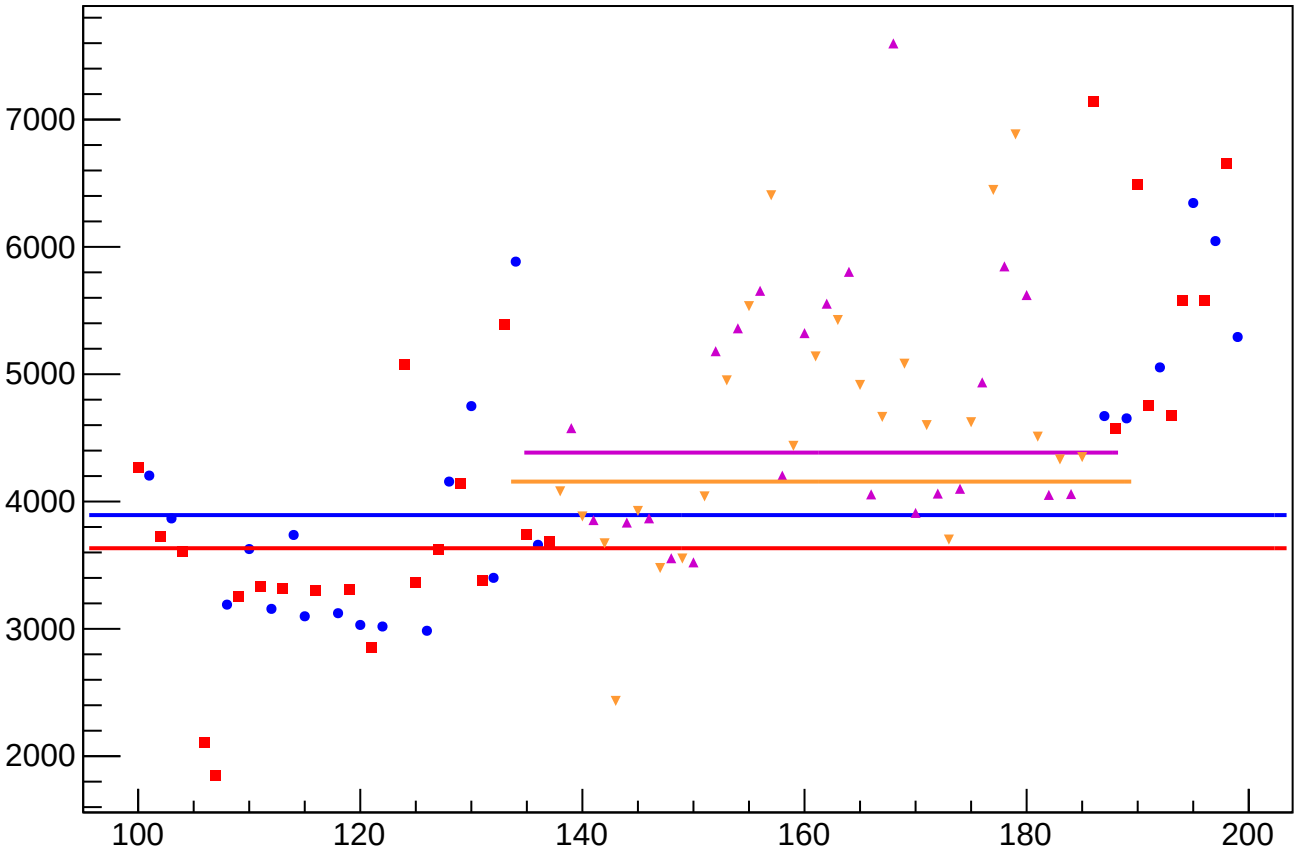
Right Out: -1349.002+/-1068.321 χ^2/NDF: 30.7/26

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -54.780+/-753.518 χ^2/NDF: 51.1/46

All: -400.967+/-530.578 χ^2/NDF: 96.6/96

- sign -741.393+/-747.222 χ^2/NDF: 45.1/49



Right In: 3893.463+/-0.837 χ^2/NDF: 1271176.6/21

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3633.318+/-0.755 χ^2/NDF: 2311456.9/26

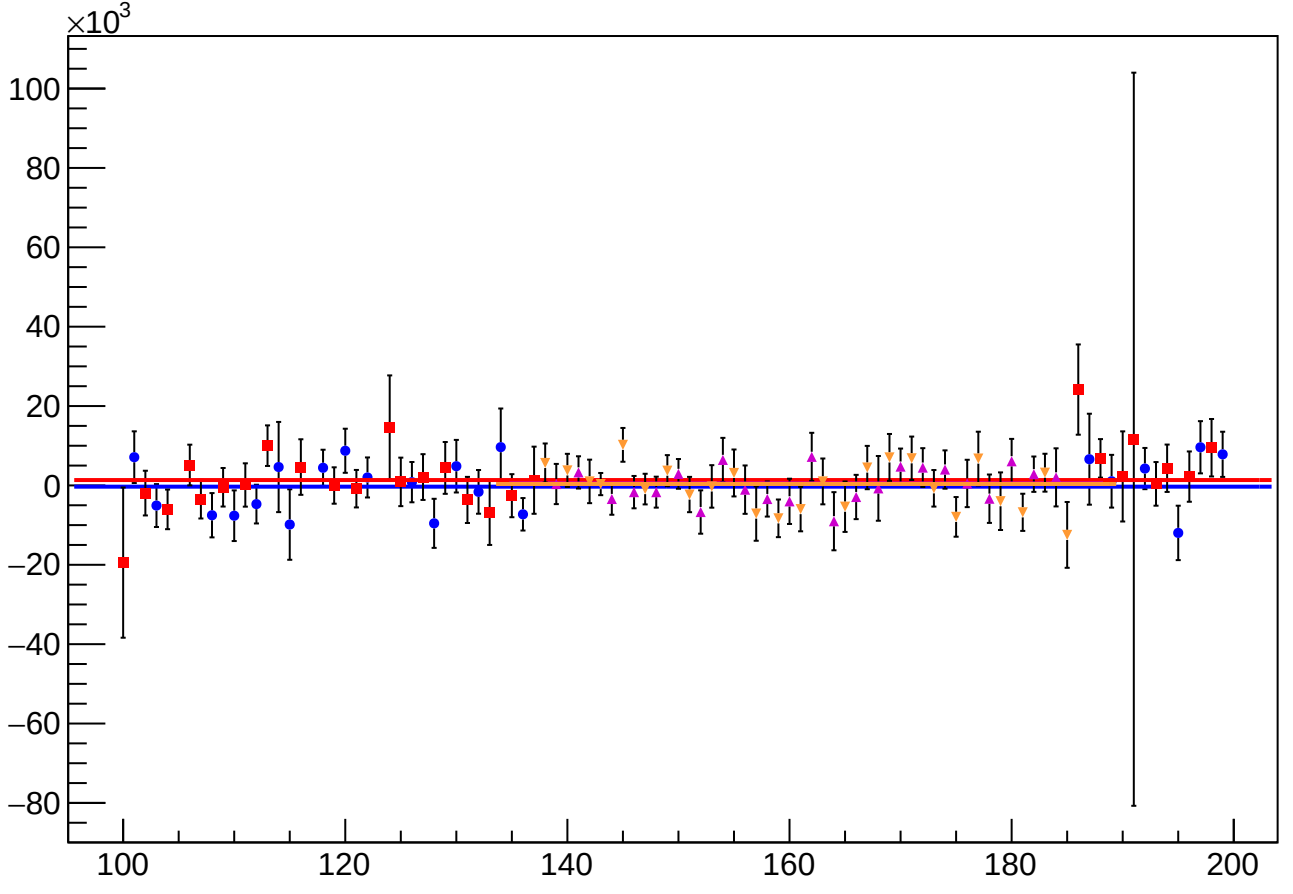
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4049.905+/-0.533 χ^2/NDF: 3410733.9/46

All: 4033.278+/-0.375 χ^2/NDF: 7484445.8/96

- sign 4016.927+/-0.528 χ^2/NDF: 4071780.4/49

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1352.994+/-1175.781 χ^2/NDF: 19.3/26

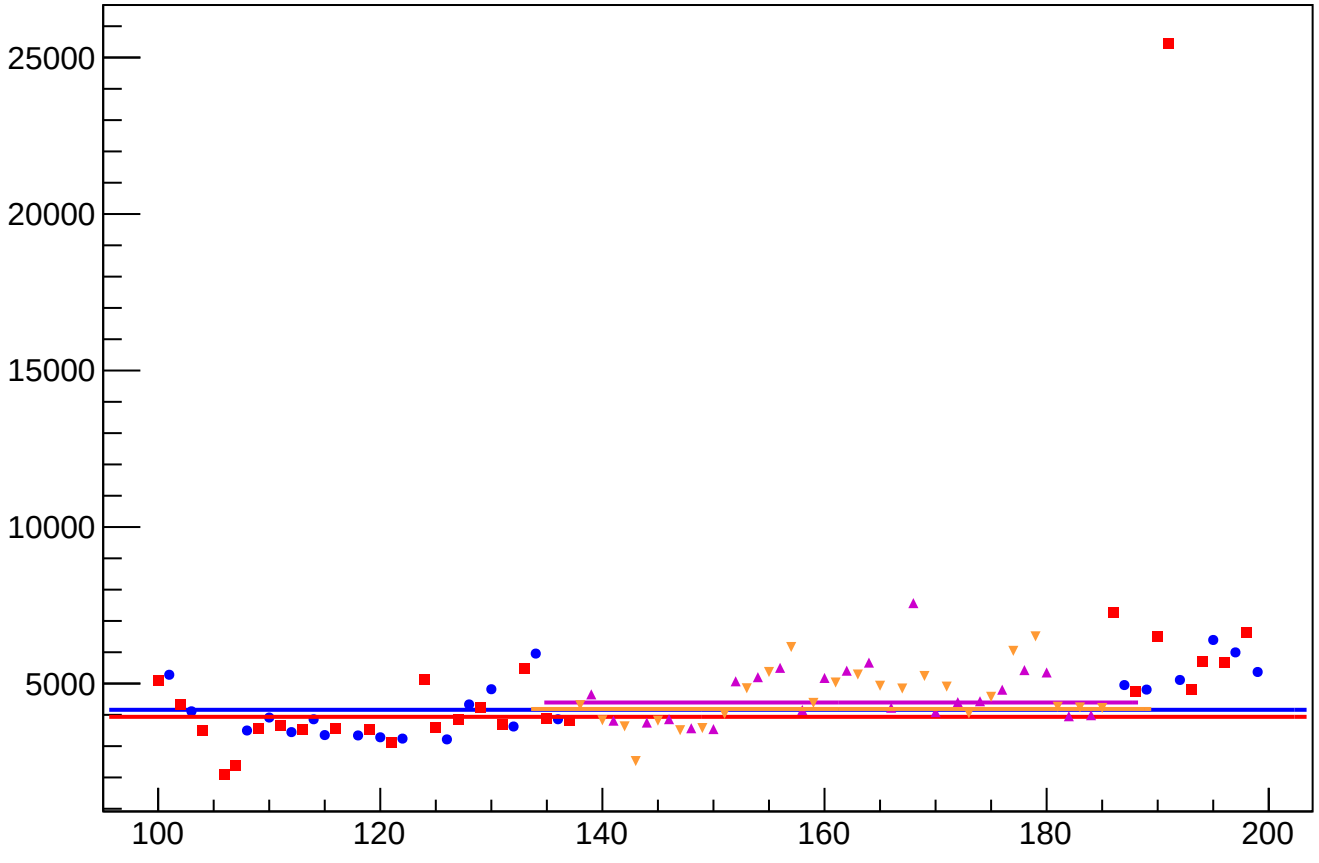
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 107.640+/-773.358 χ^2/NDF: 54.3/46

All: 487.532+/-549.517 χ^2/NDF: 88.2/96

- sign 874.936+/-780.966 χ^2/NDF: 33.4/49

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4161.084+/-0.891 χ^2/NDF: 1073637.7/21

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

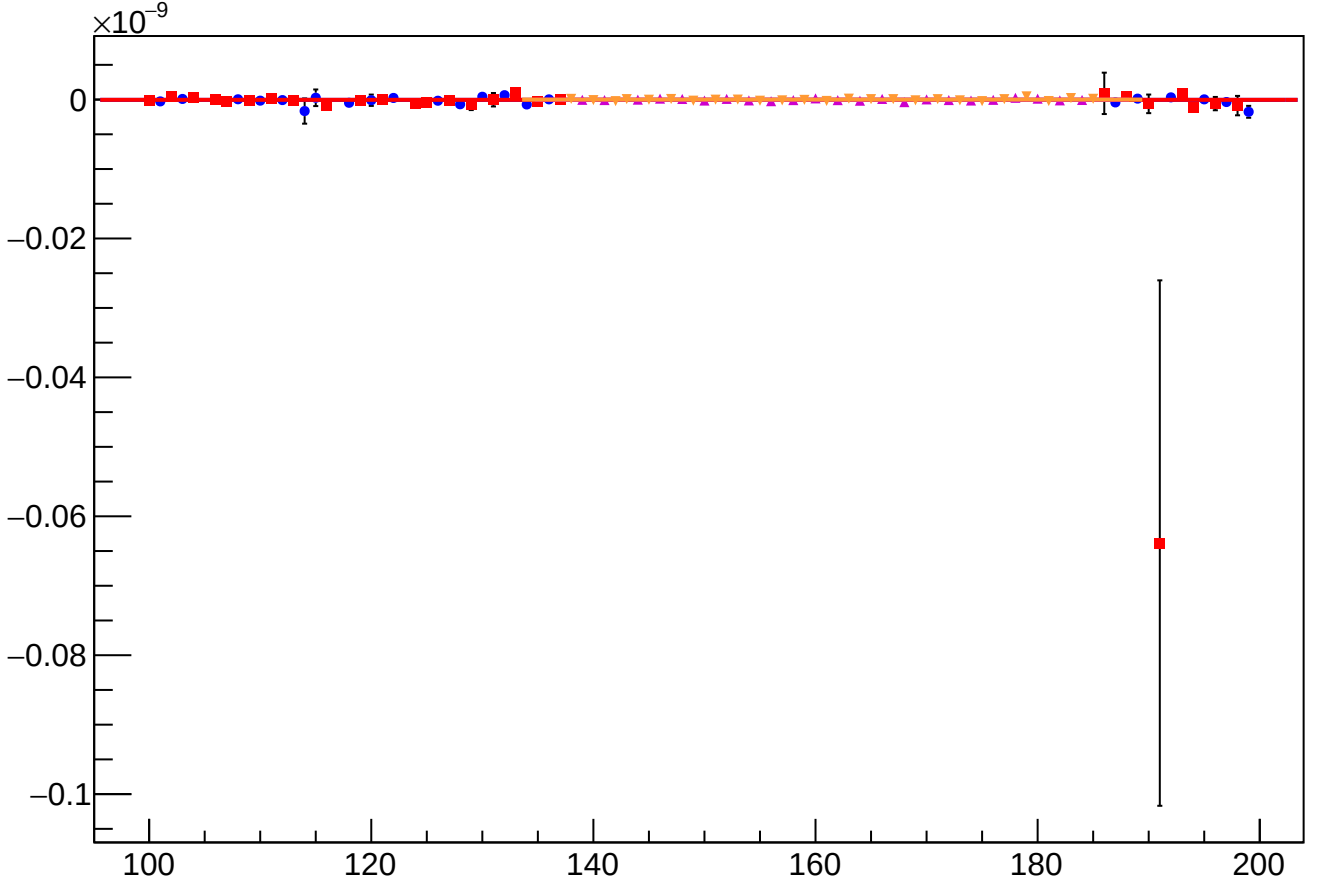
Right Out: 3936.247+/-0.823 χ^2/NDF: 1915185.5/26

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4177.756+/-0.547 χ^2/NDF: 2870546.2/46

All: 4183.757+/-0.388 χ^2/NDF: 6046033.8/96

- sign 4189.820+/-0.550 χ^2/NDF: 3175245.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

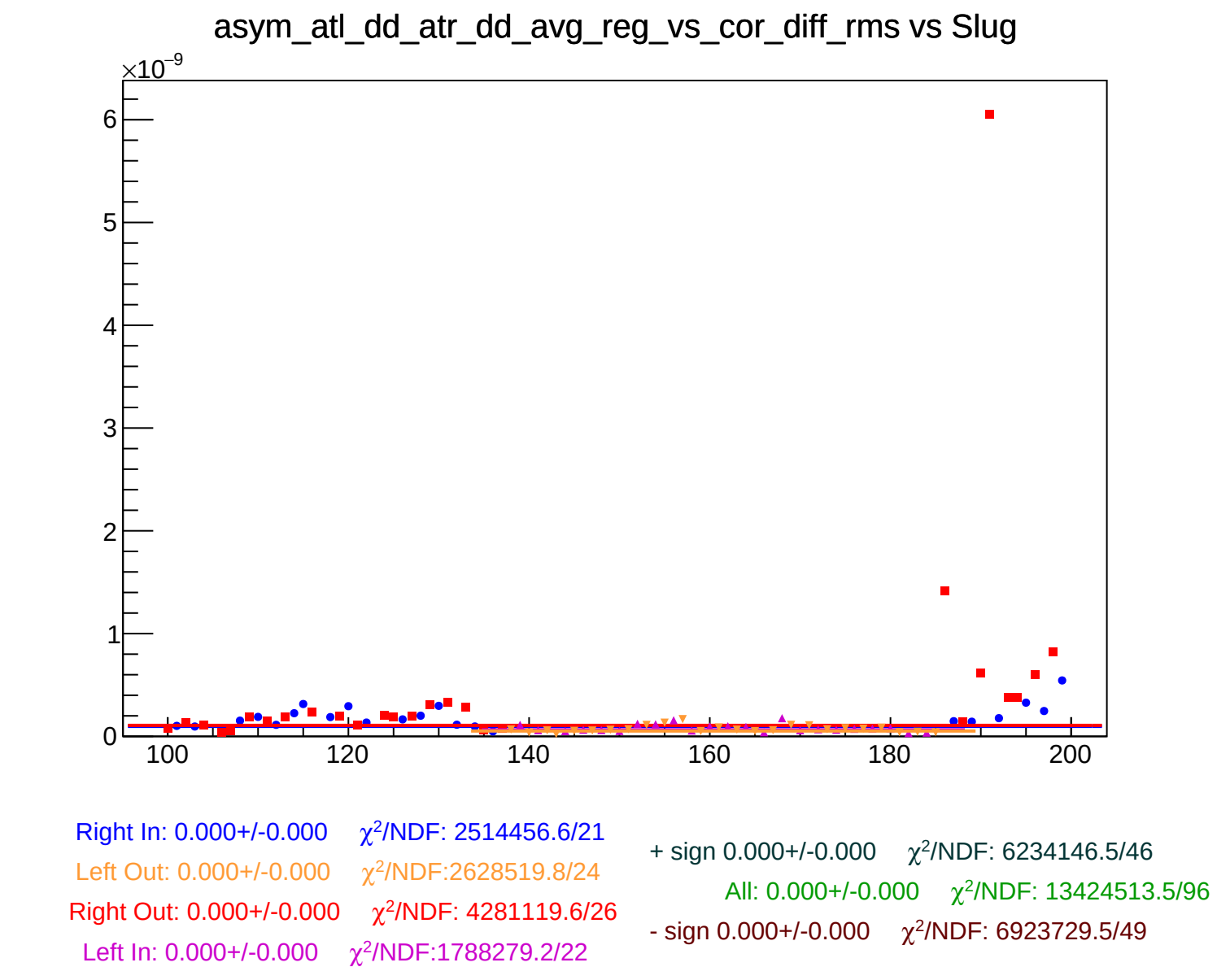
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/26

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

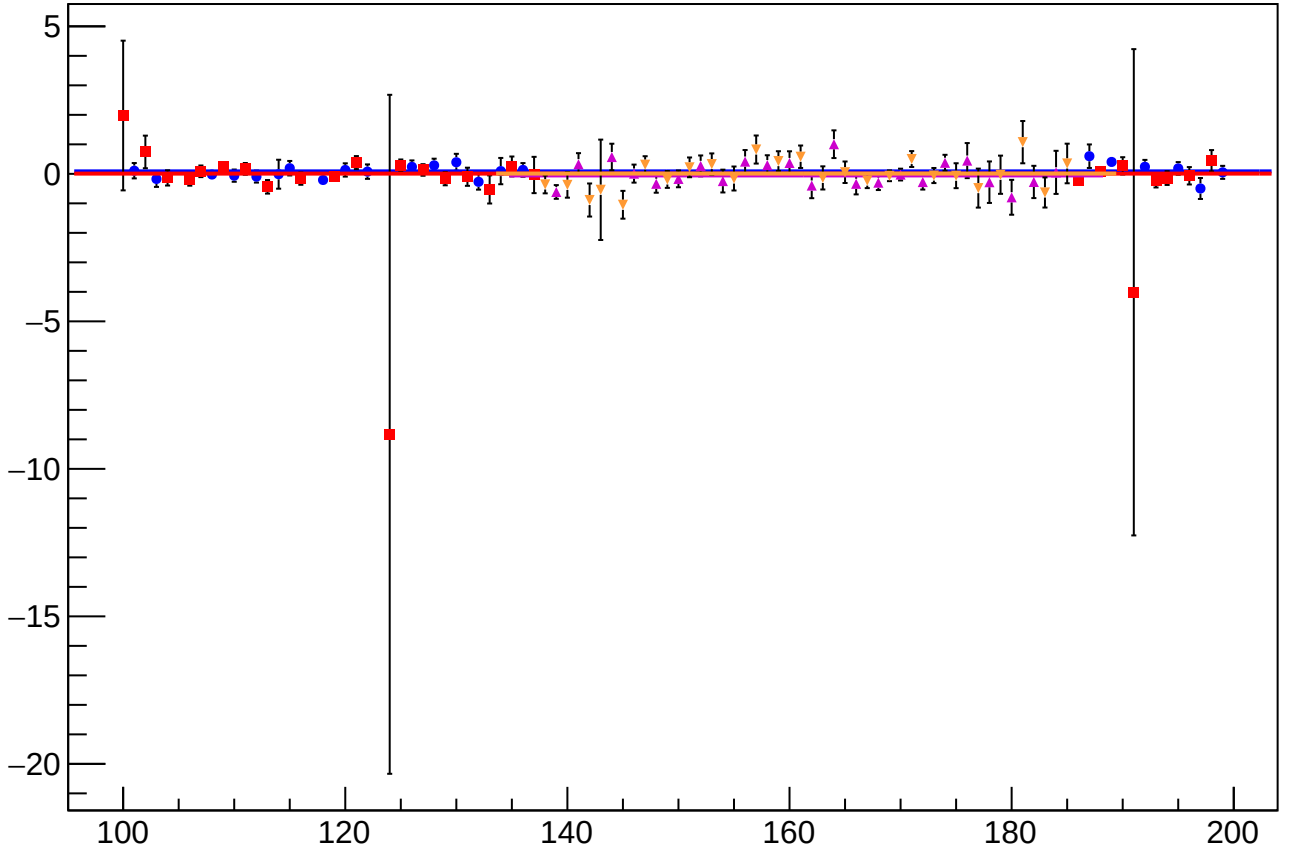
+ sign -0.000+/-0.000 χ^2/NDF: 53.3/46

All: -0.000+/-0.000 χ^2/NDF: 97.1/96

- sign -0.000+/-0.000 χ^2/NDF: 43.5/49


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2514456.6/21
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: 6234146.5/46
All: 0.000+/-0.000 χ²/NDF: 13424513.5/96
- sign 0.000+/-0.000 χ²/NDF: 6923729.5/49

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

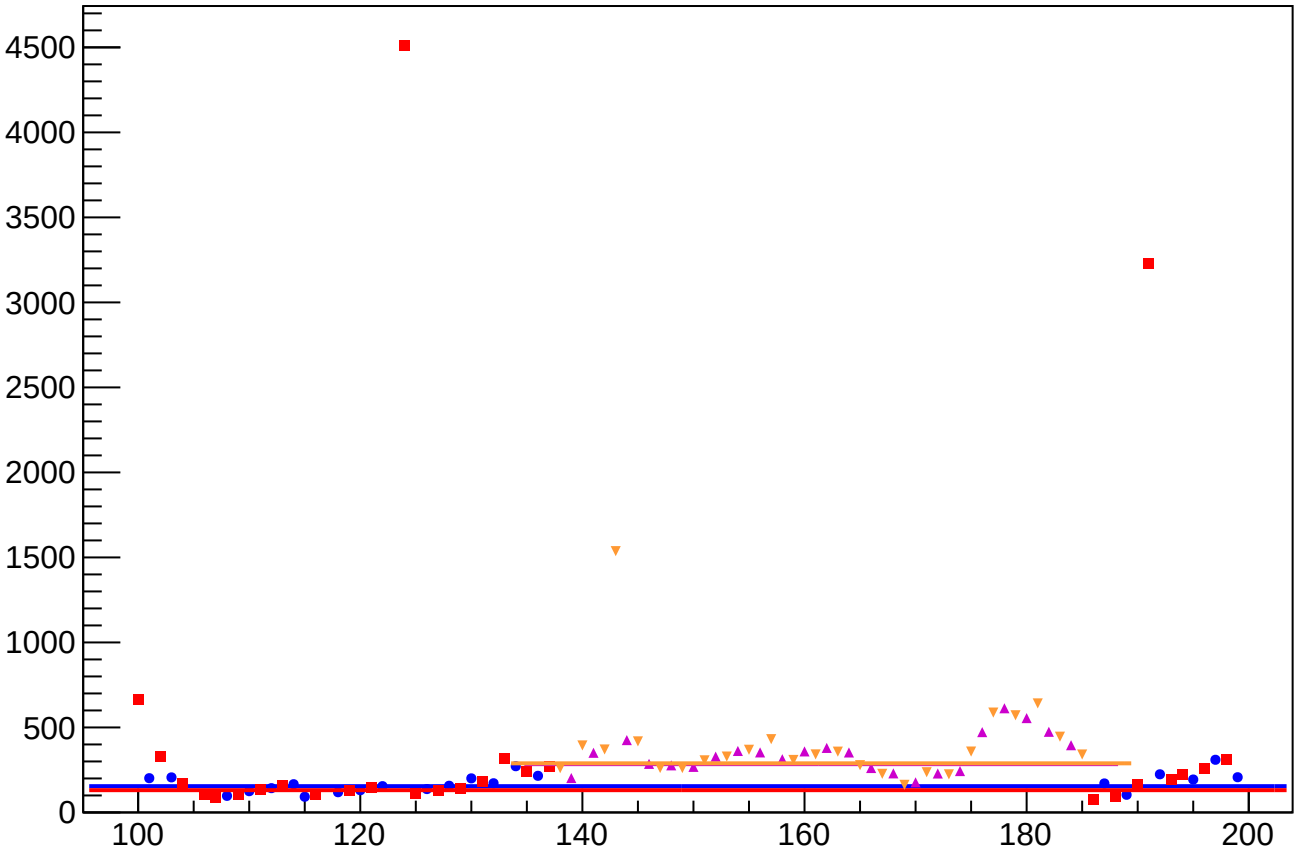
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.022+/-0.027 χ^2/NDF: 108.4/96

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

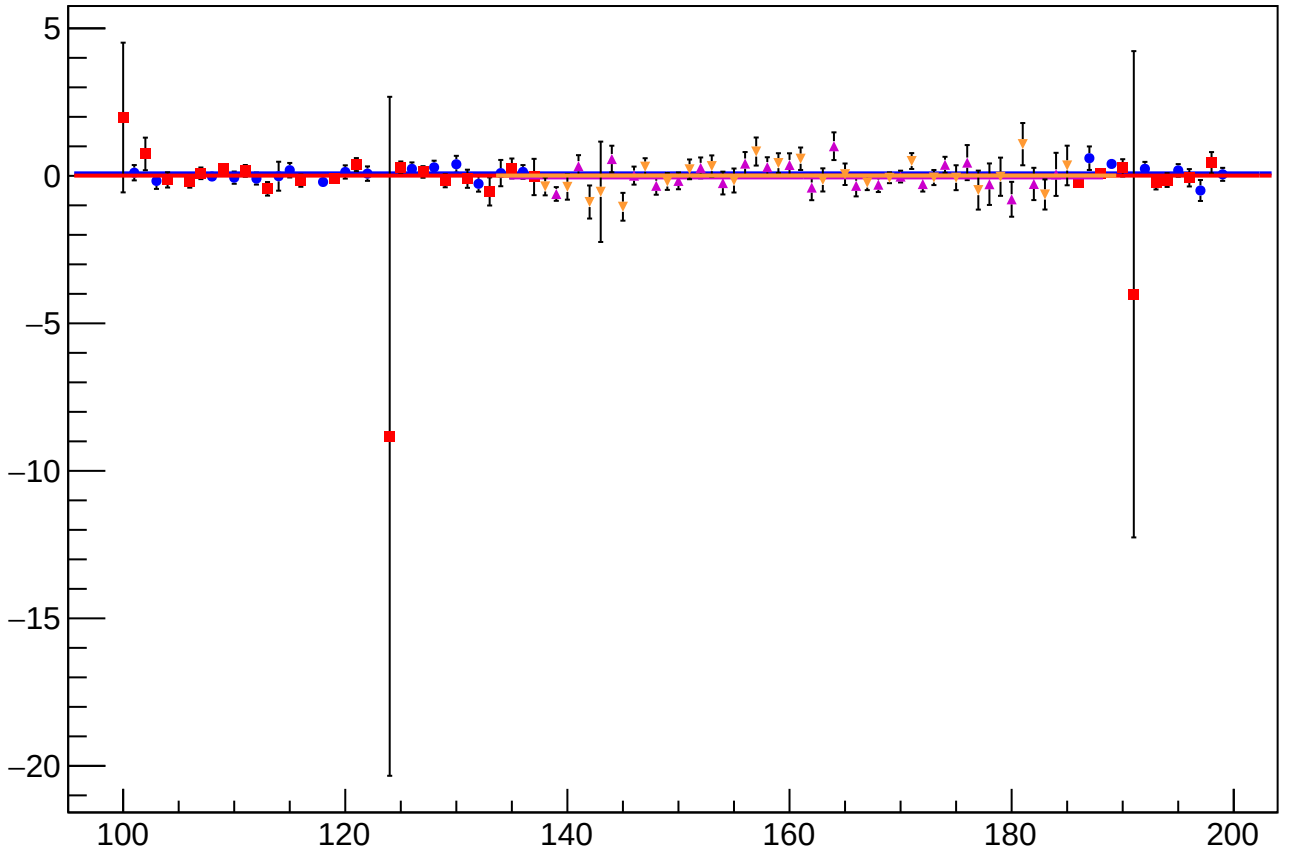
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

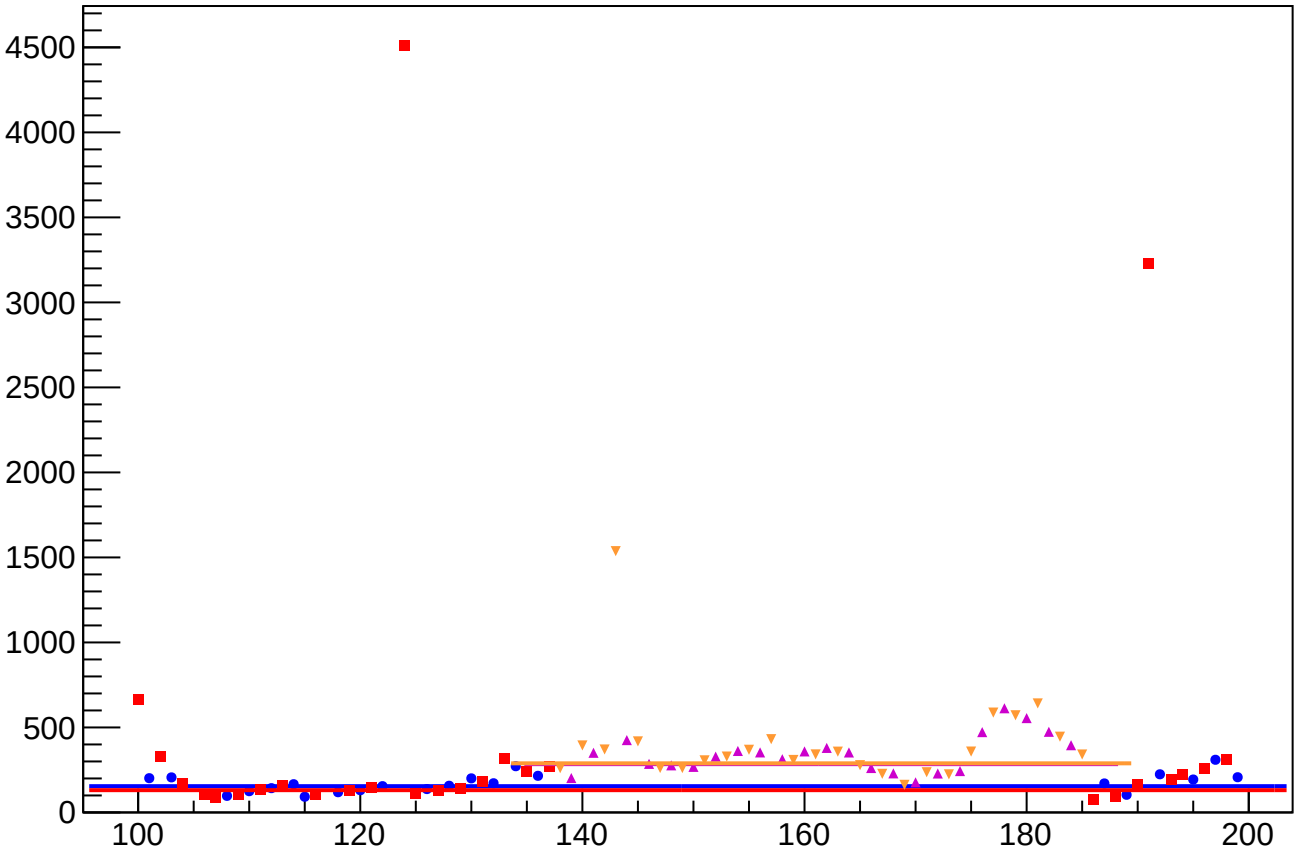
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.022+/-0.027 χ^2/NDF: 108.4/96

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

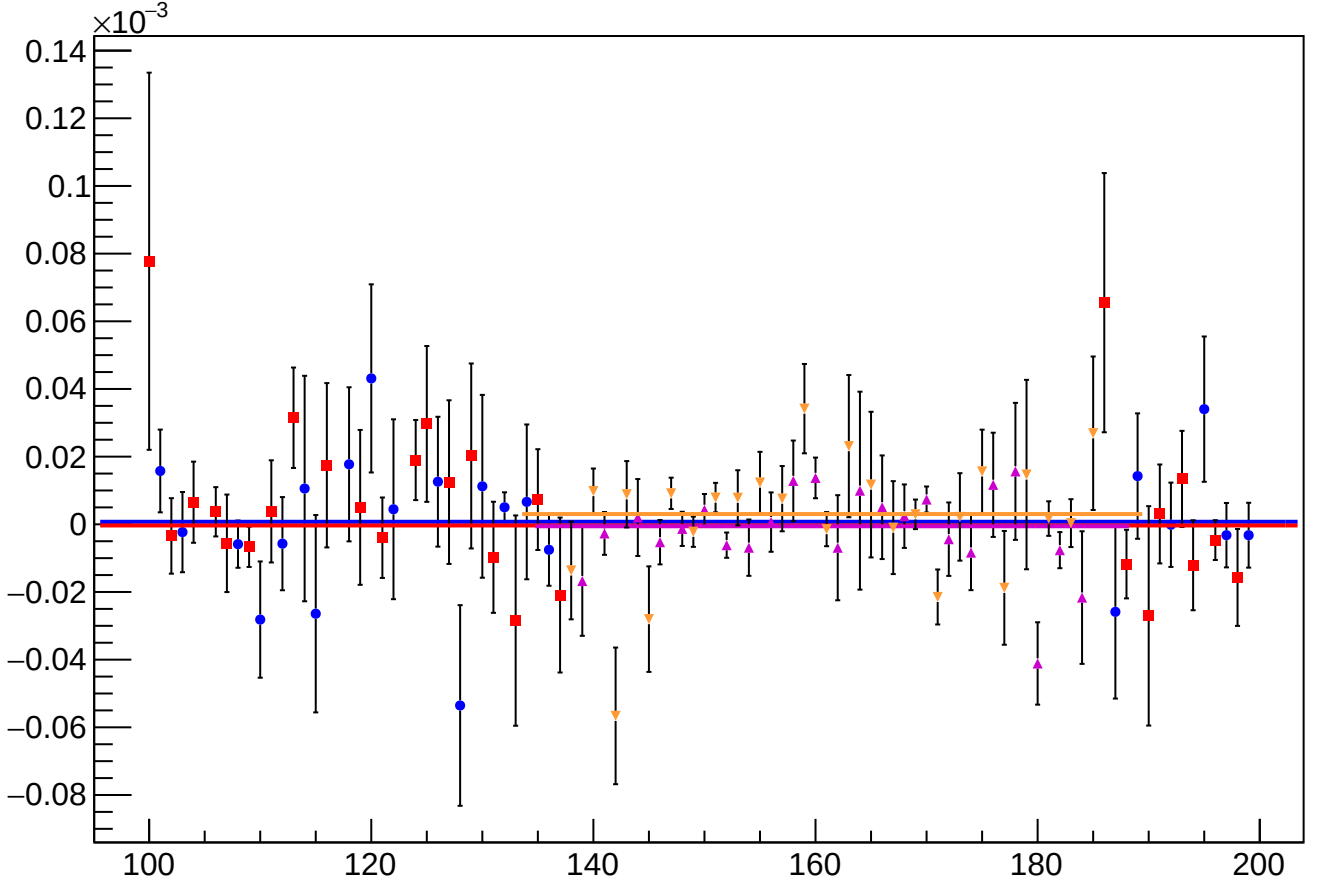
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

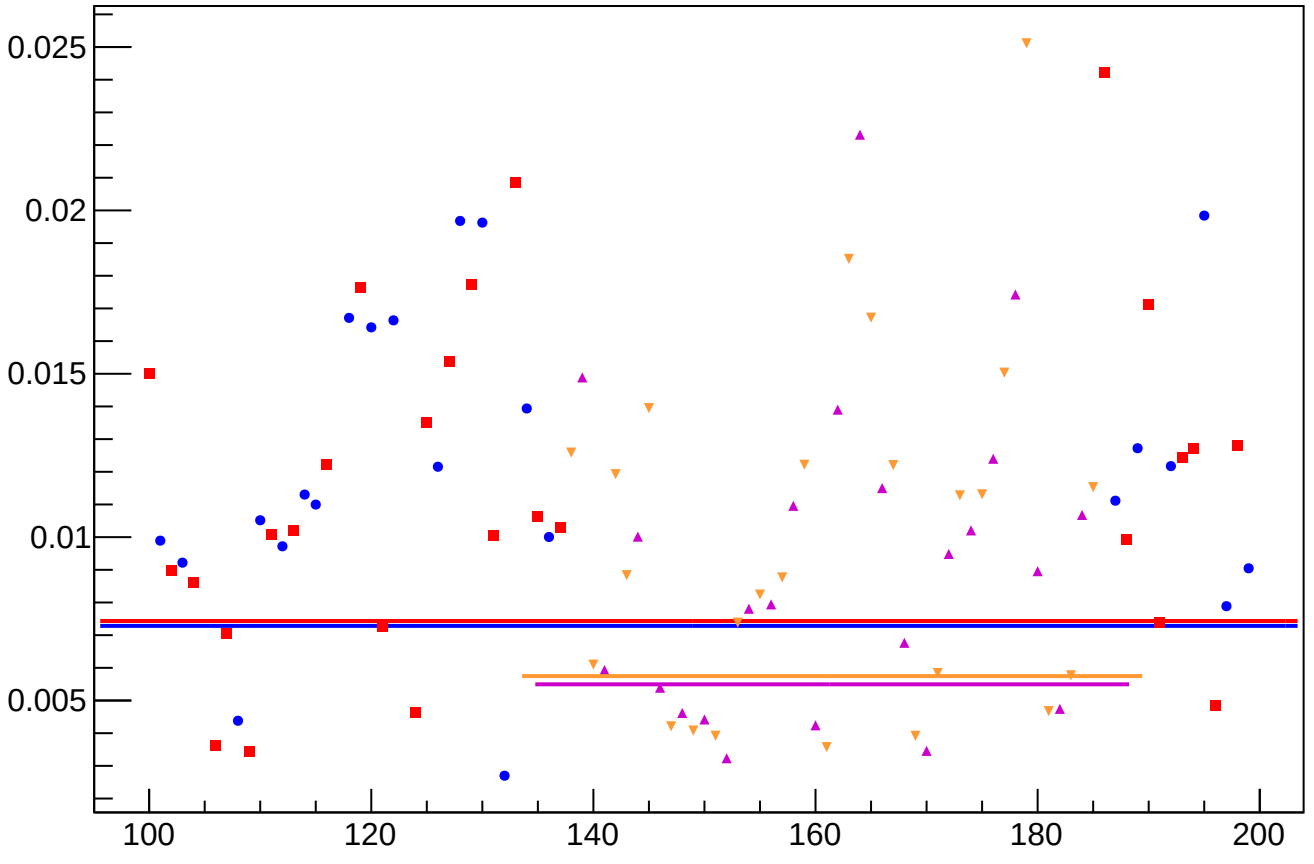
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/46

All: 0.000+/-0.000 χ^2/NDF: 122.9/96

- sign -0.000+/-0.000 χ^2/NDF: 58.3/49



Right In: 0.007+/-0.000 χ^2/NDF: 6117465.6/21

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

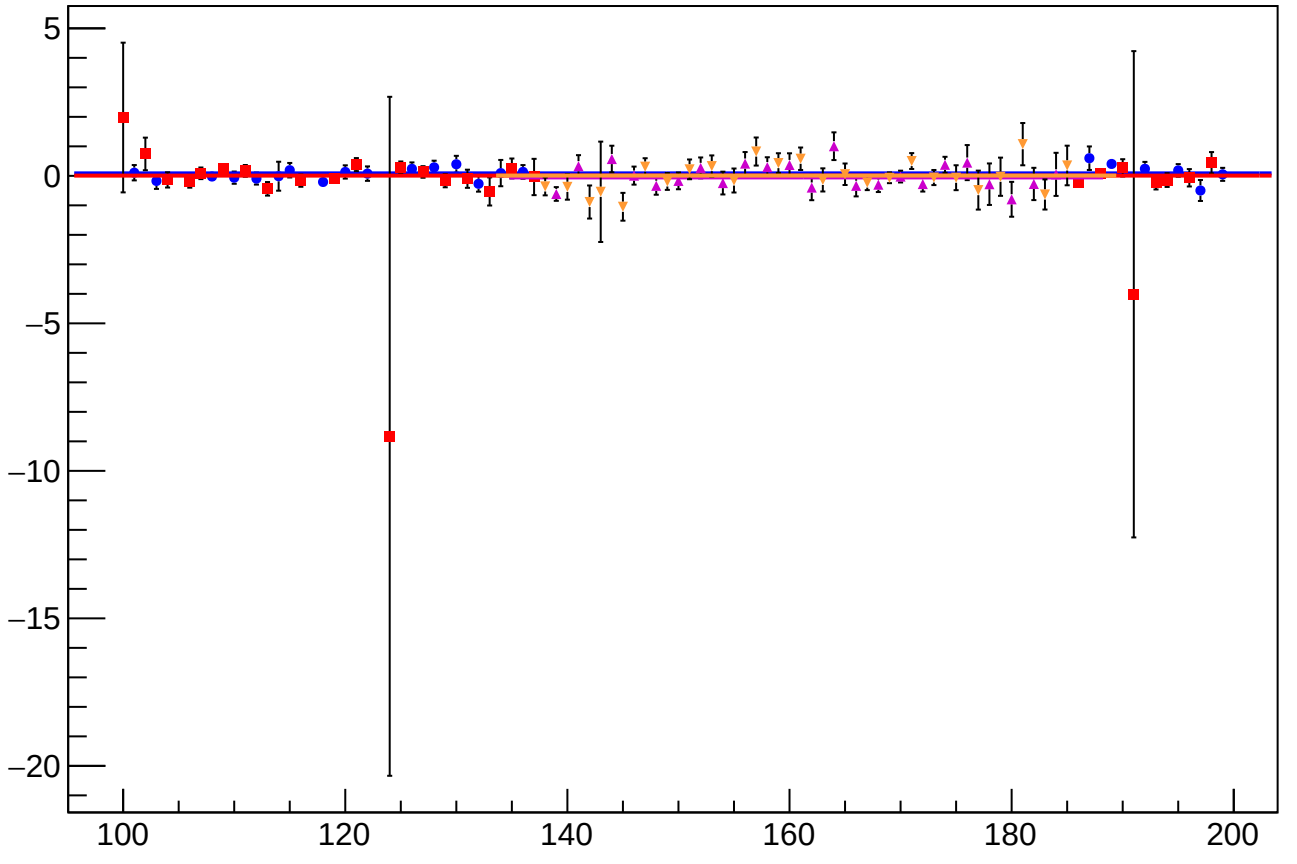
Right Out: 0.007+/-0.000 χ^2/NDF: 5374345.7/26

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14776357.8/46

All: 0.006+/-0.000 χ^2/NDF: 28015444.1/96

\- sign 0.006+/-0.000 χ^2/NDF: 13232496.1/49



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

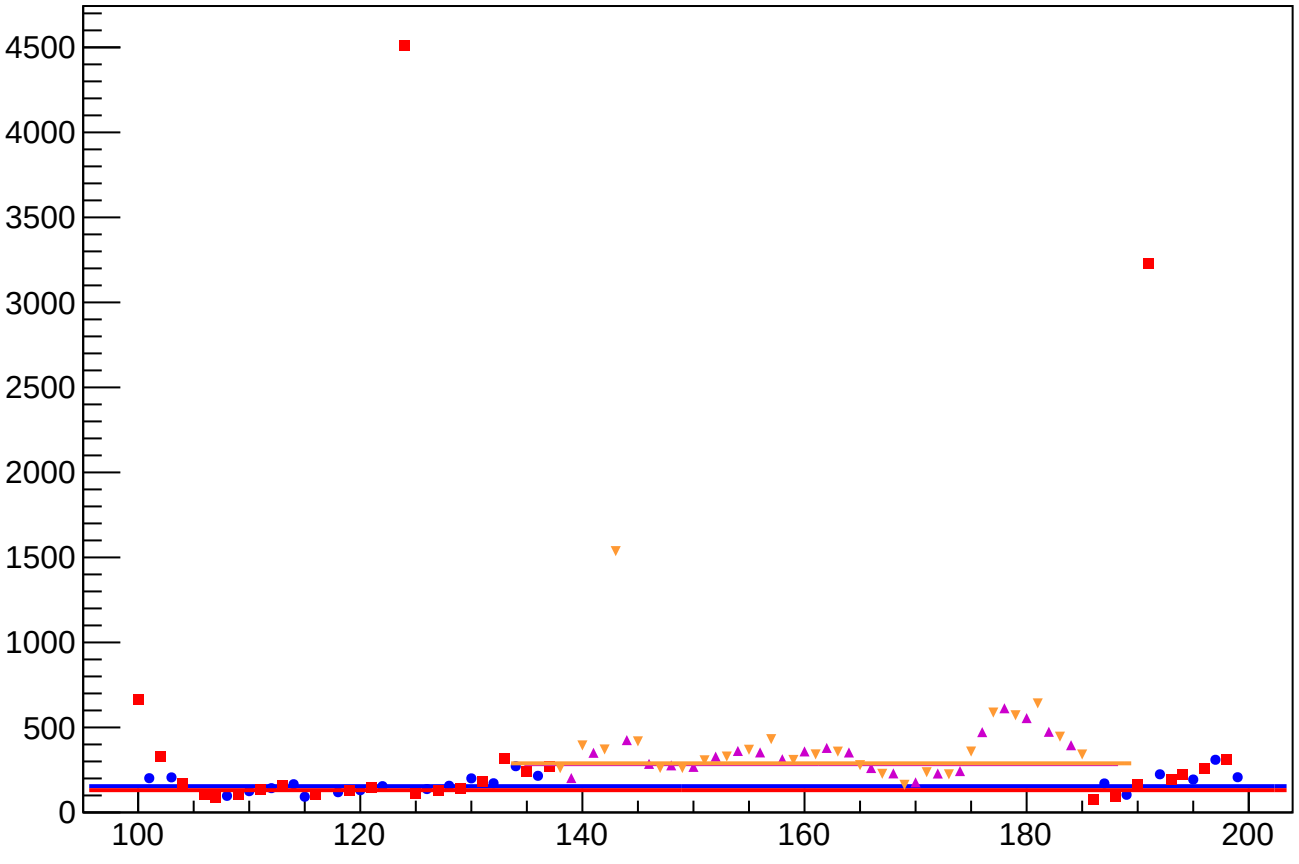
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.022+/-0.027 χ^2/NDF: 108.4/96

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

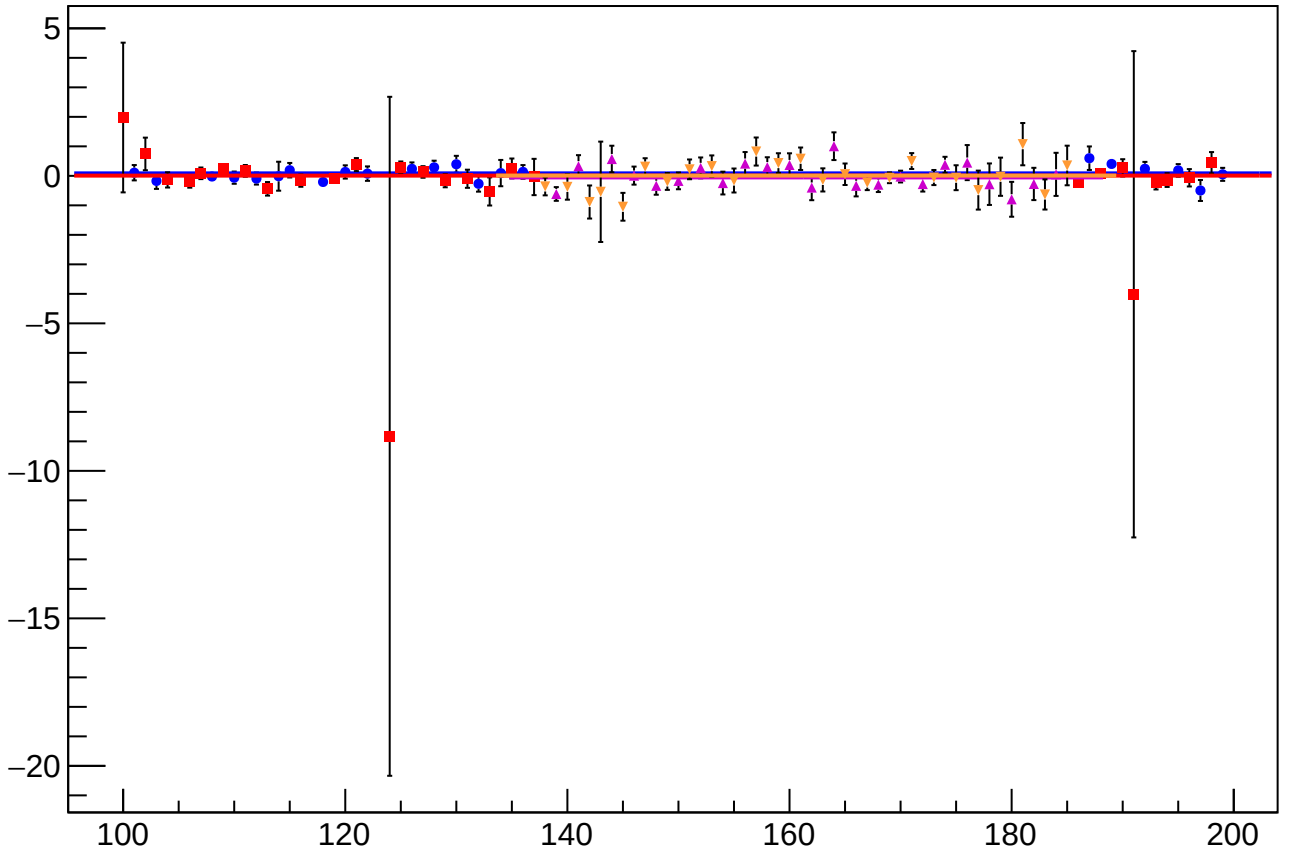
Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.777+/-0.028 χ^2/NDF: 11505888.8/46

All: 183.074+/-0.019 χ^2/NDF: 25988701.3/96

- sign 171.275+/-0.026 χ^2/NDF: 14002062.1/49



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

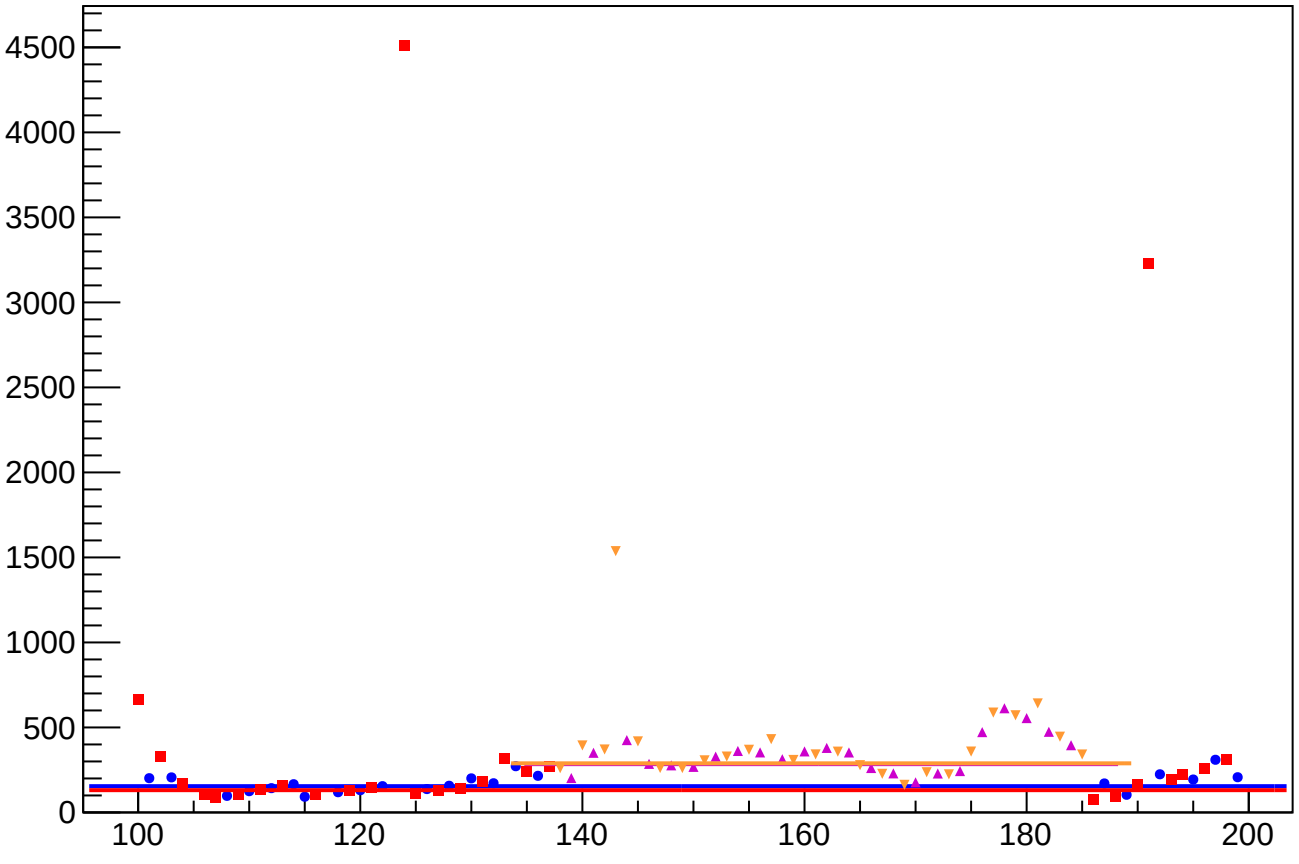
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

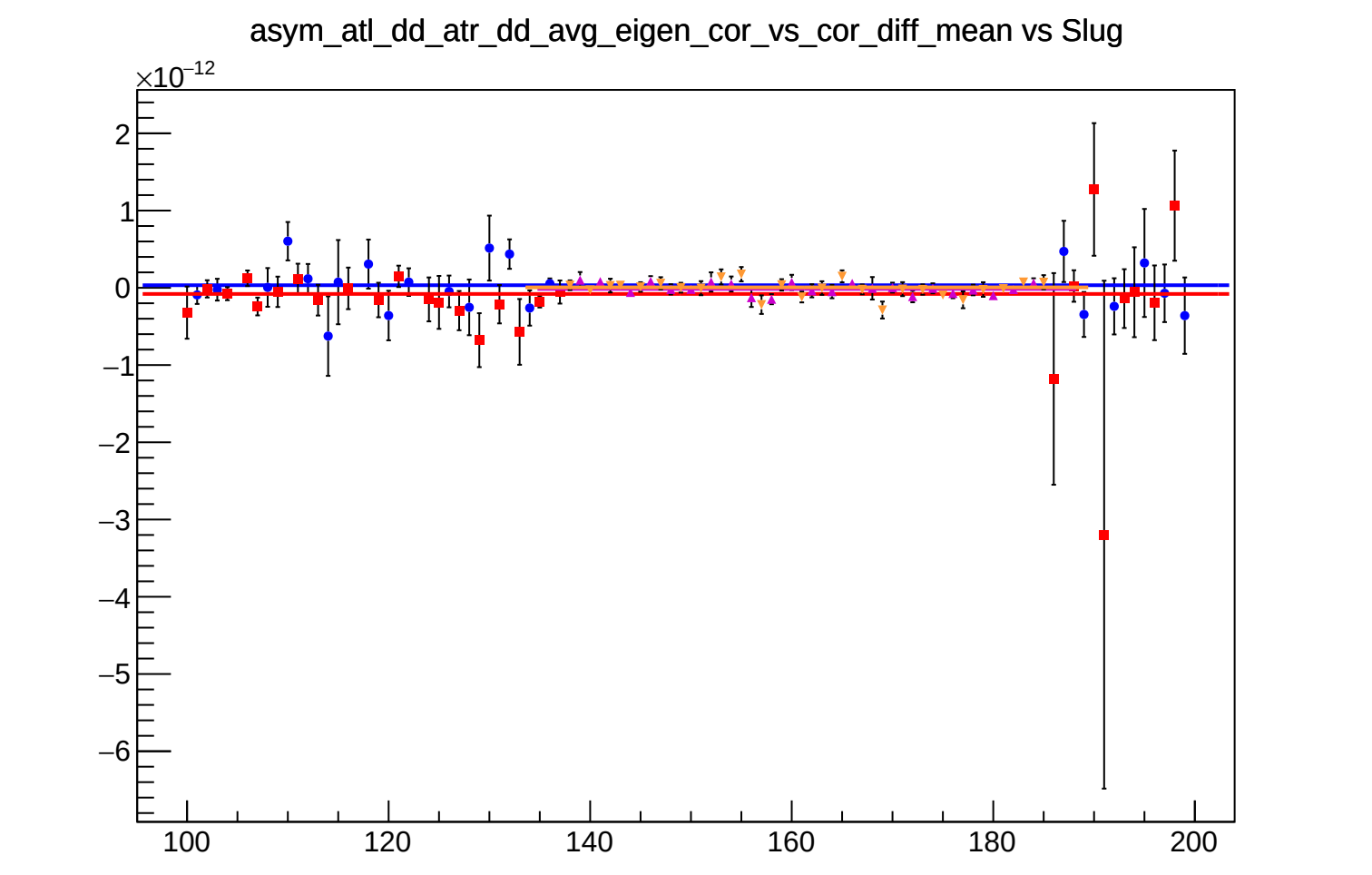
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.022+/-0.027 χ^2/NDF: 108.4/96

- 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: 154.609+/-0.035 χ²/NDF: 2003087.0/21
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 197.777+/-0.028 χ²/NDF: 11505888.8/46
All: 183.074+/-0.019 χ²/NDF: 25988701.3/96
- sign 171.275+/-0.026 χ²/NDF: 14002062.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

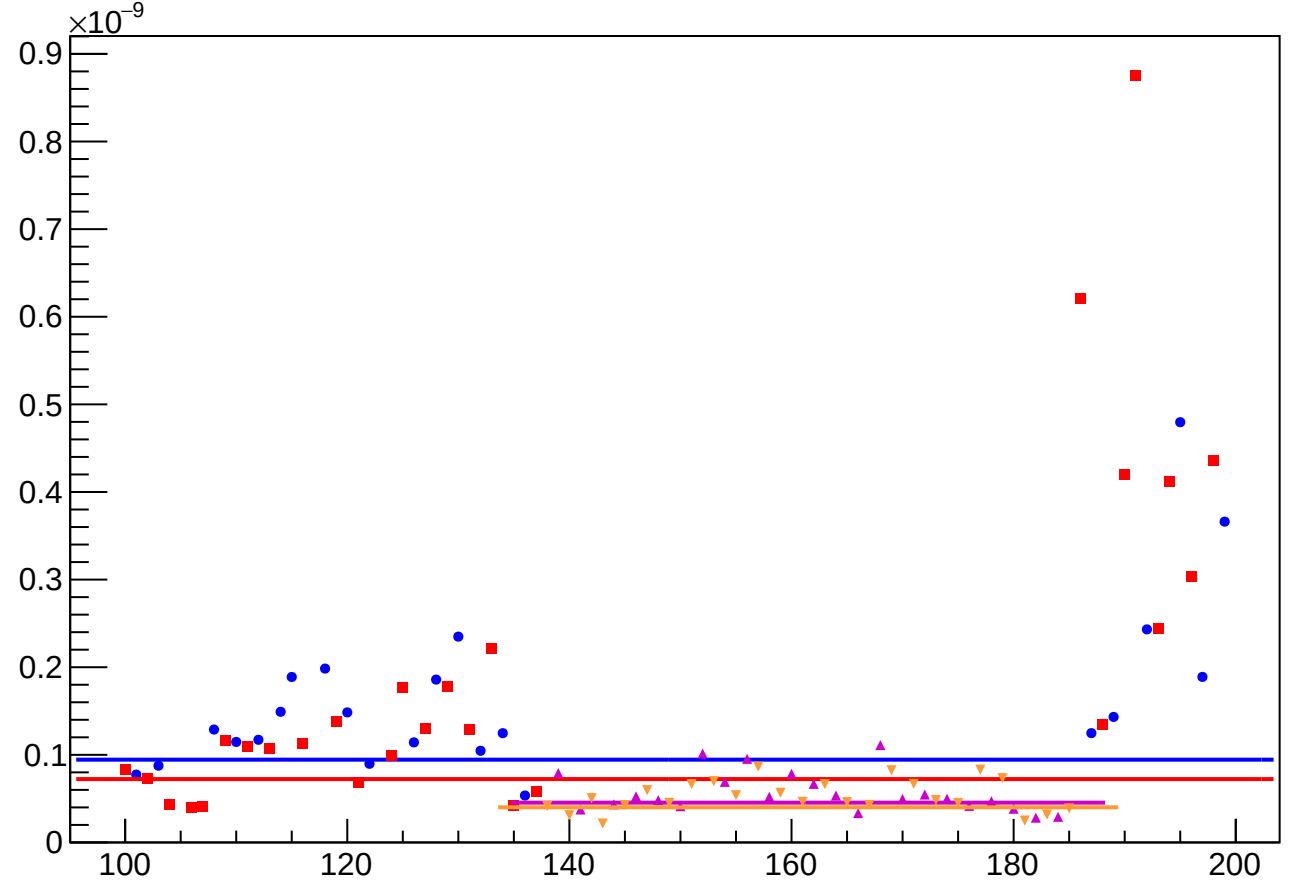
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/46

All: -0.000+/-0.000 χ^2/NDF: 113.0/96

- sign -0.000+/-0.000 χ^2/NDF: 51.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 3379504.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

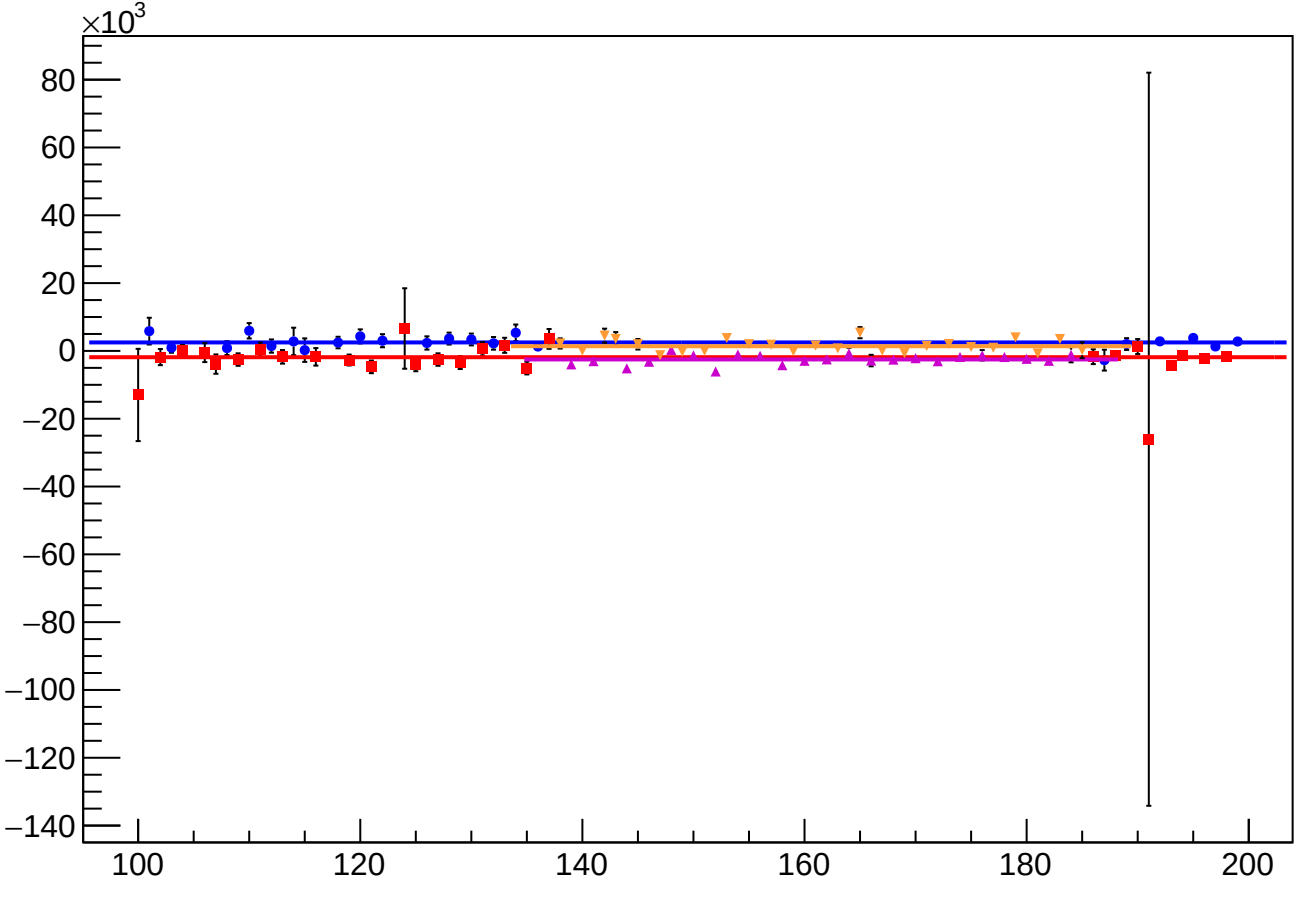
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10178228.5/46

All: 0.000+/-0.000 χ^2/NDF: 19484950.3/96

- sign 0.000+/-0.000 χ^2/NDF: 9155385.7/49

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2499.366+/-389.079 χ^2/NDF: 13.7/21

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1855.929+/-378.340 χ^2/NDF: 24.6/26

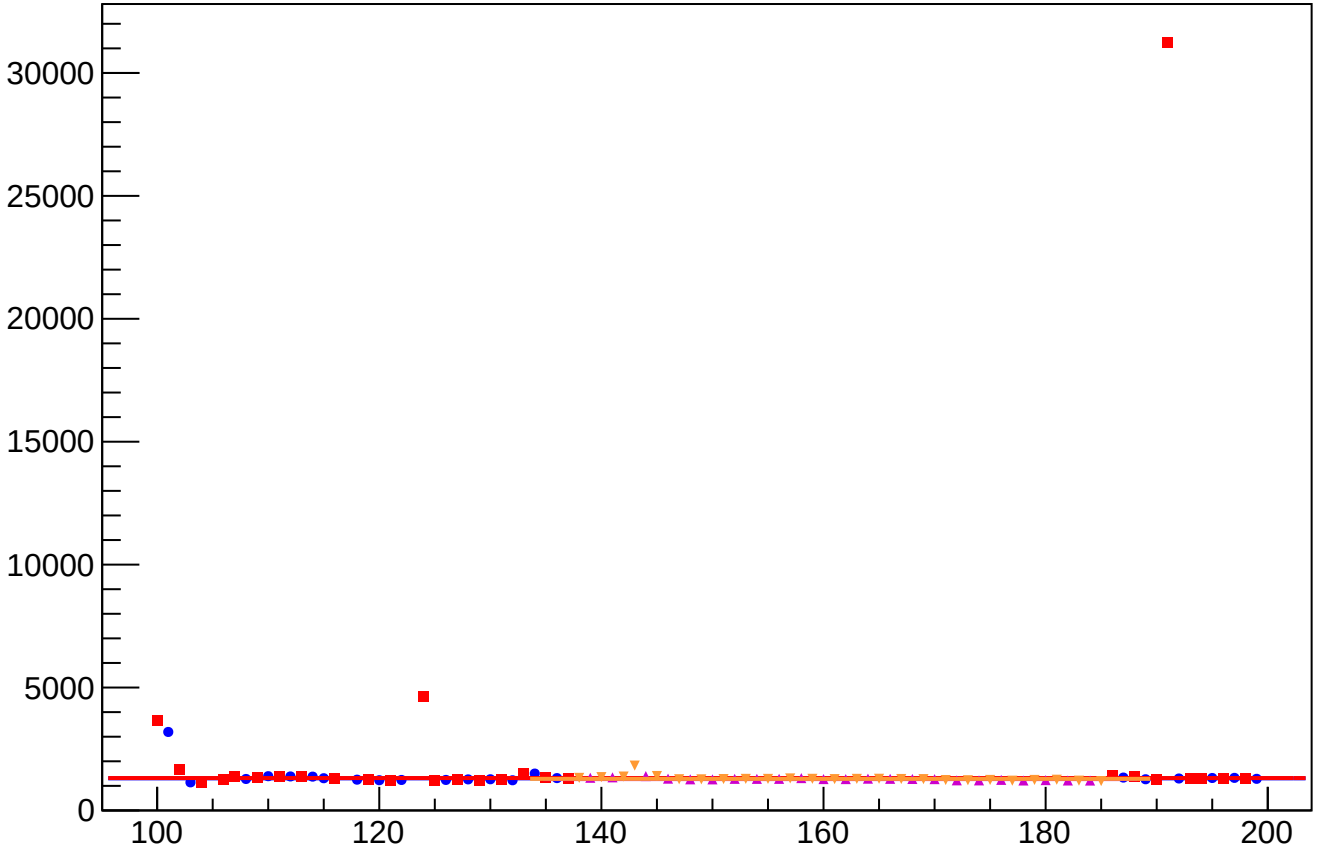
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1786.757+/-233.942 χ^2/NDF: 51.8/46

All: -237.459+/-165.495 χ^2/NDF: 250.7/96

- sign -2265.257+/-234.149 χ^2/NDF: 49.0/49

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.757+/-0.275 χ^2/NDF: 518385.7/21

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

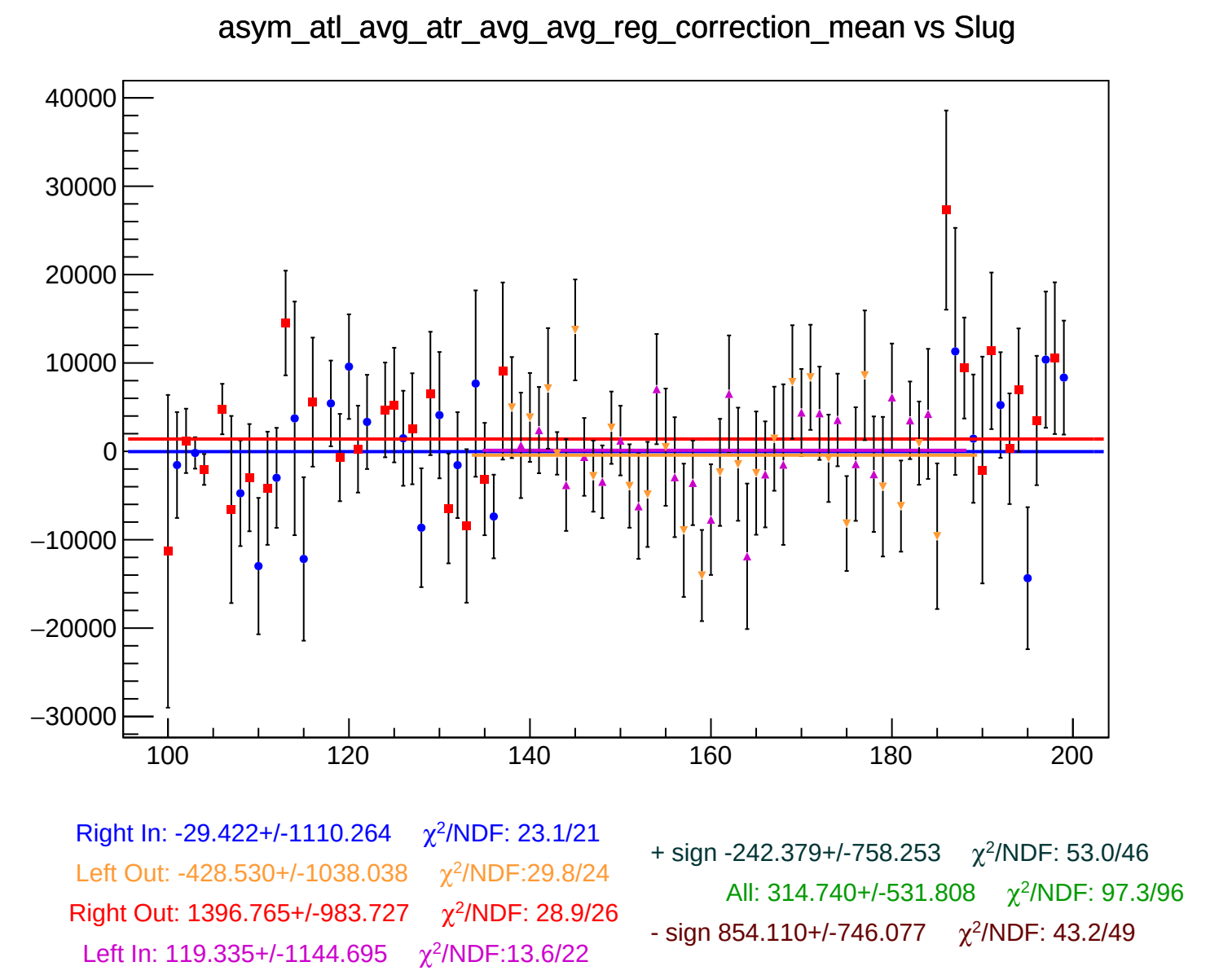
Right Out: 1318.560+/-0.267 χ^2/NDF: 488391.3/26

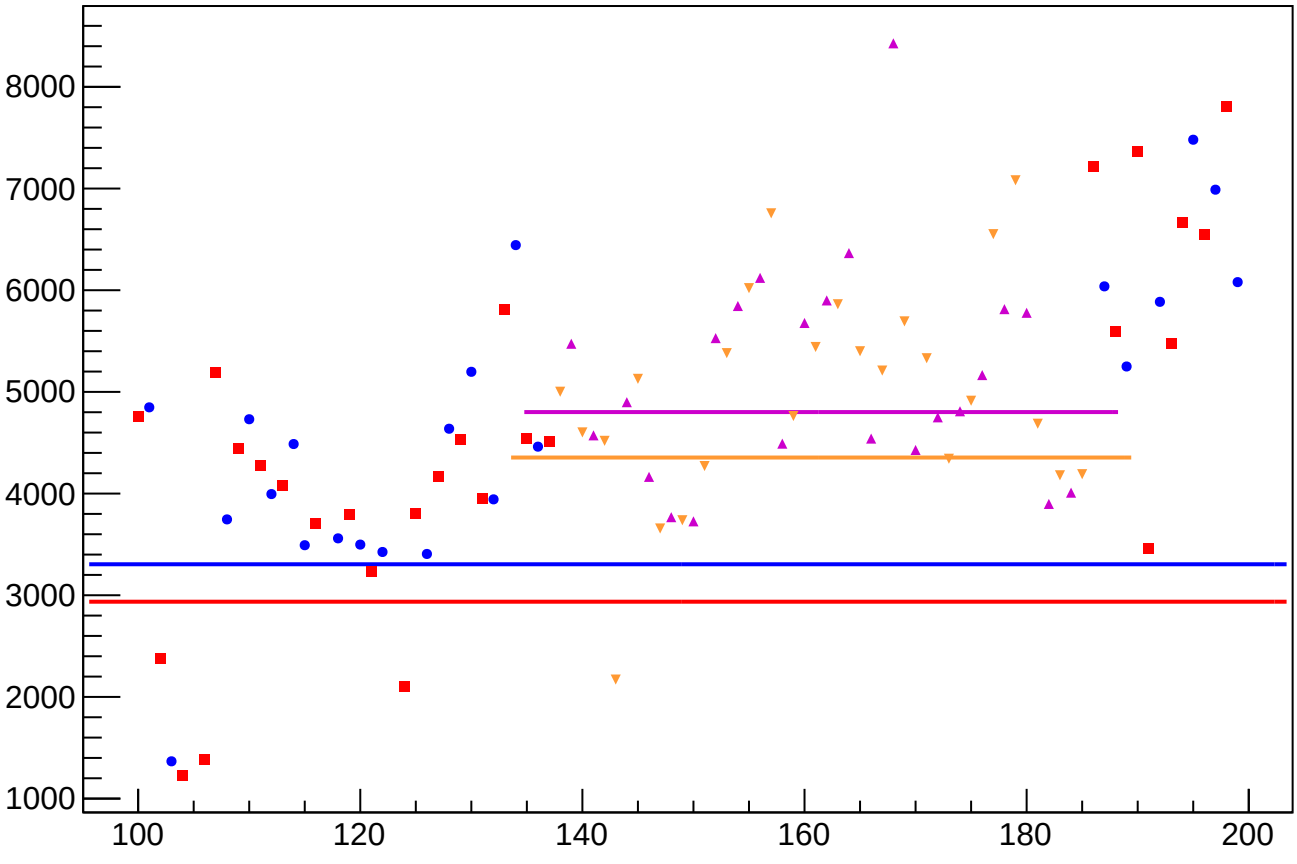
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.919+/-0.165 χ^2/NDF: 712823.7/46

All: 1292.608+/-0.117 χ^2/NDF: 1258310.2/96

- 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: -29.422+/-1110.264 χ²/NDF: 23.1/21
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 -242.379+/-758.253 χ²/NDF: 53.0/46
All: 314.740+/-531.808 χ²/NDF: 97.3/96
- sign 854.110+/-746.077 χ²/NDF: 43.2/49



Right In: 3304.736+/-0.785 χ^2/NDF: 5150247.3/21

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2936.518+/-0.696 χ^2/NDF: 6753780.9/26

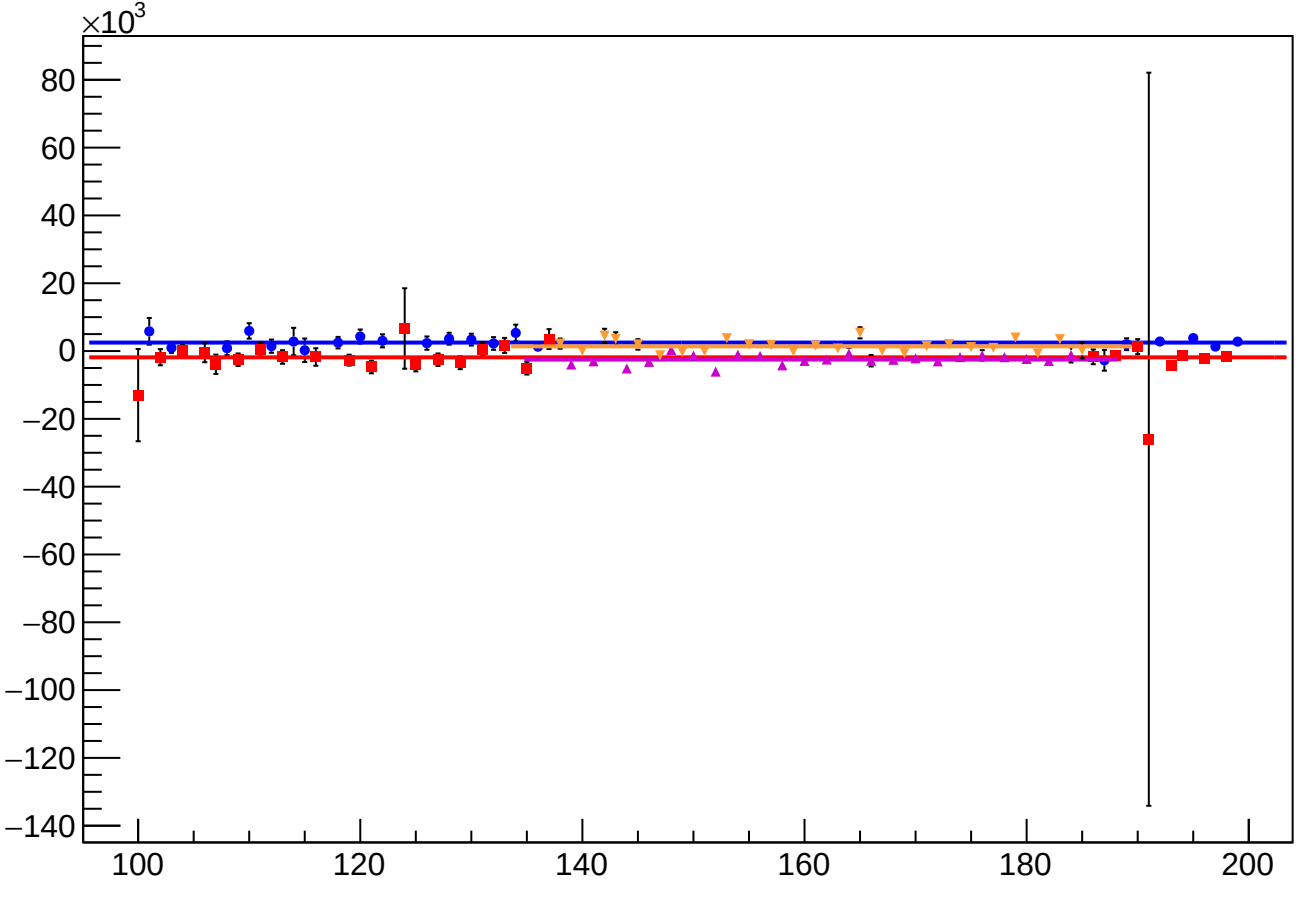
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3864.885+/-0.536 χ^2/NDF: 9175761.4/46

All: 3795.740+/-0.376 χ^2/NDF: 20248029.2/9

- sign 3728.797+/-0.528 χ^2/NDF: 11039534.8/49

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2499.237+/-389.079 χ^2/NDF: 13.7/21

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1855.774+/-378.340 χ^2/NDF: 24.6/26

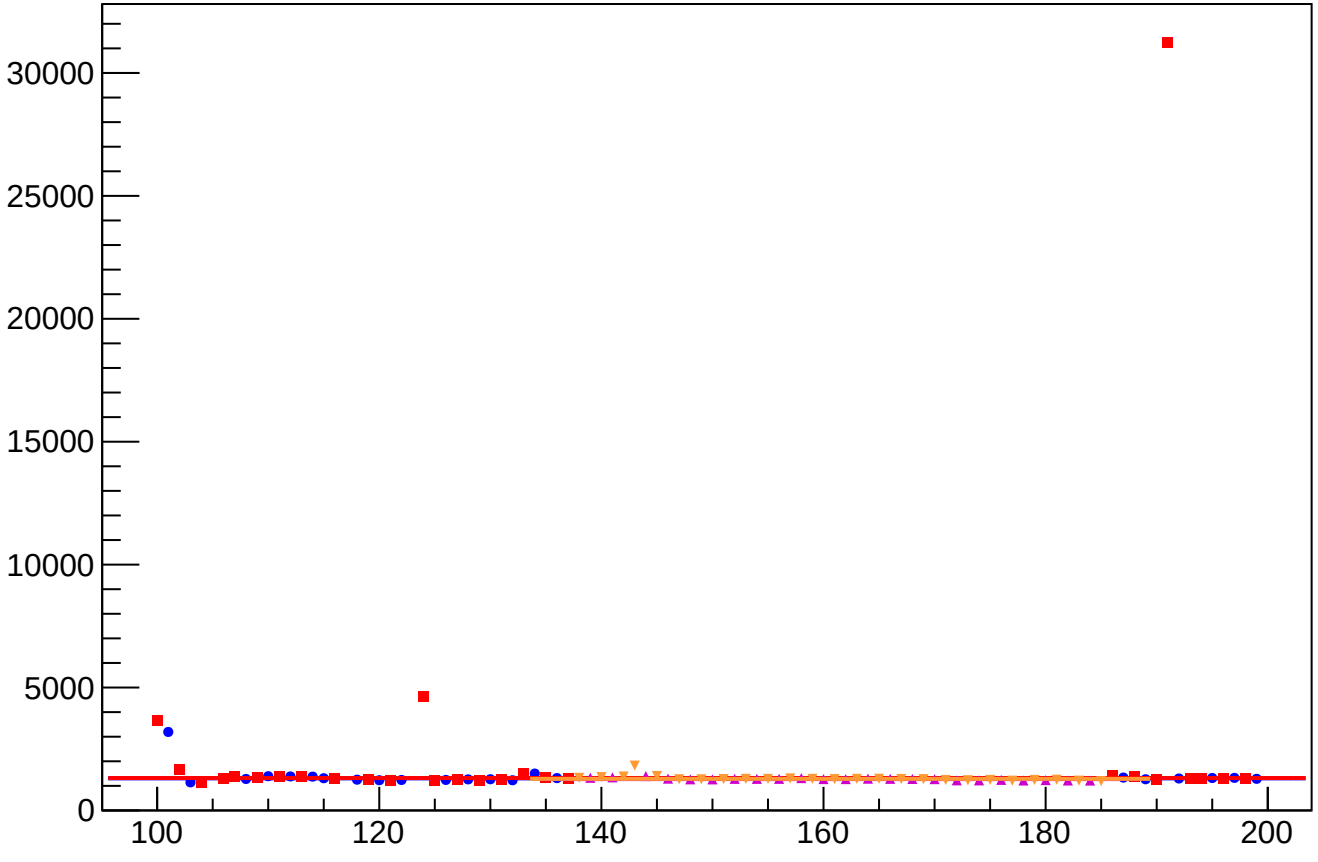
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1786.669+/-233.942 χ^2/NDF: 51.8/46

All: -237.474+/-165.495 χ^2/NDF: 250.6/96

- sign -2265.199+/-234.149 χ^2/NDF: 49.0/49

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.757+/-0.275 χ^2/NDF: 518387.2/21

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

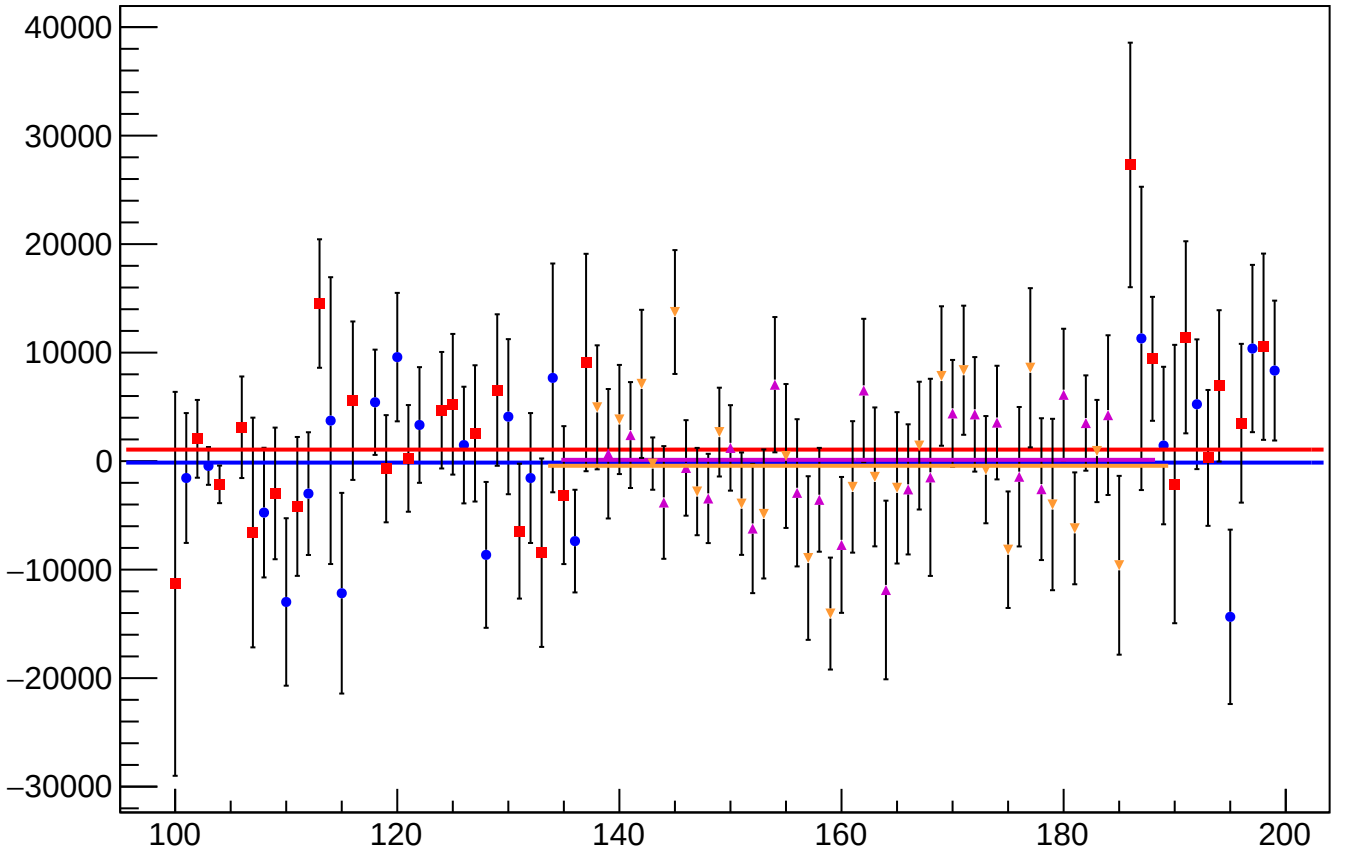
Right Out: 1319.224+/-0.267 χ^2/NDF: 487854.8/26

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.919+/-0.165 χ^2/NDF: 712825.2/46

All: 1292.730+/-0.117 χ^2/NDF: 1258254.0/96

- sign 1292.542+/-0.165 χ^2/NDF: 545426.2/49



Right In: -136.270+/-1101.840 χ^2/NDF: 23.2/21

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

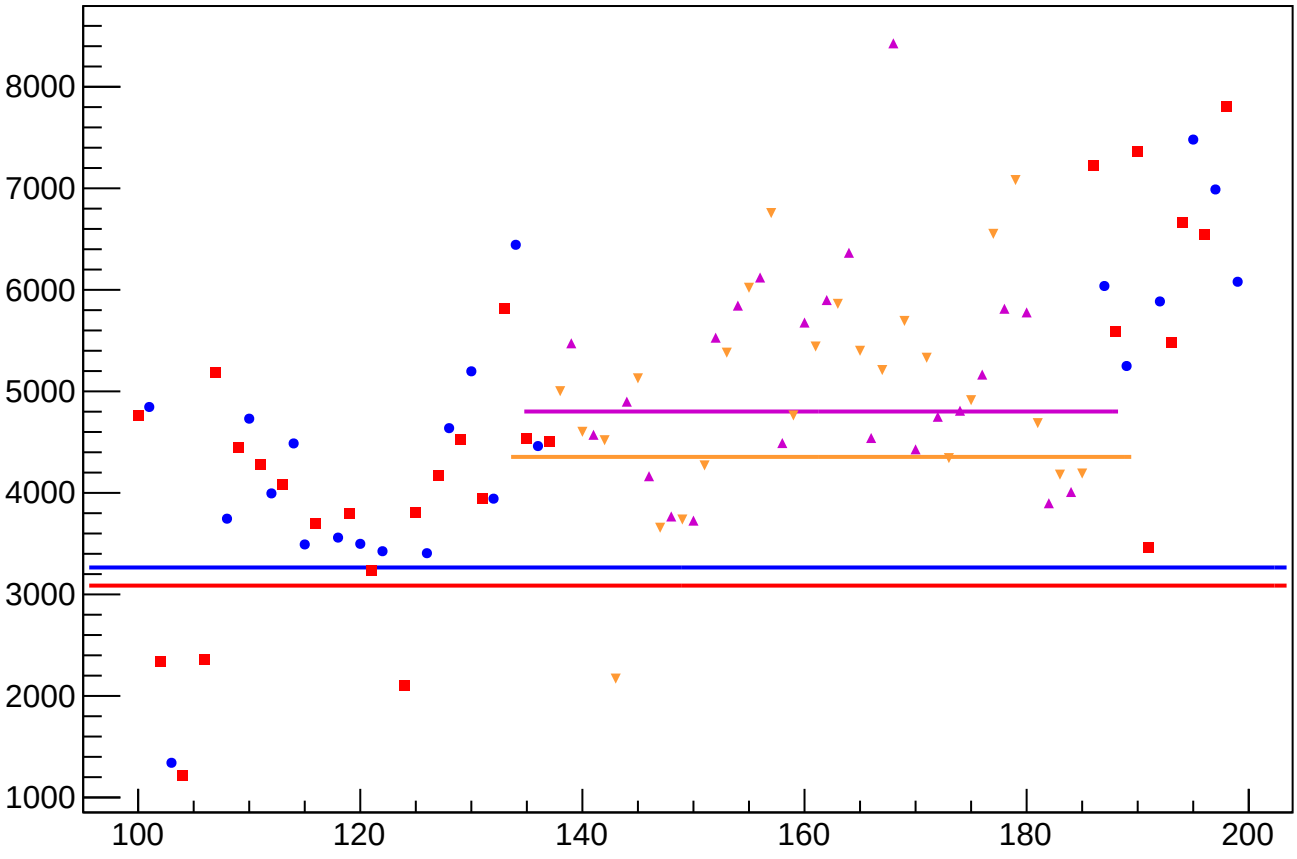
Right Out: 1062.463+/-1018.073 χ^2/NDF: 27.9/26

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -291.103+/-755.552 χ^2/NDF: 53.0/46

All: 174.206+/-536.077 χ^2/NDF: 95.6/96

- sign 645.915+/-760.730 χ^2/NDF: 41.8/49



Right In: 3265.351+/-0.779 χ^2/NDF: 5305854.2/21

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

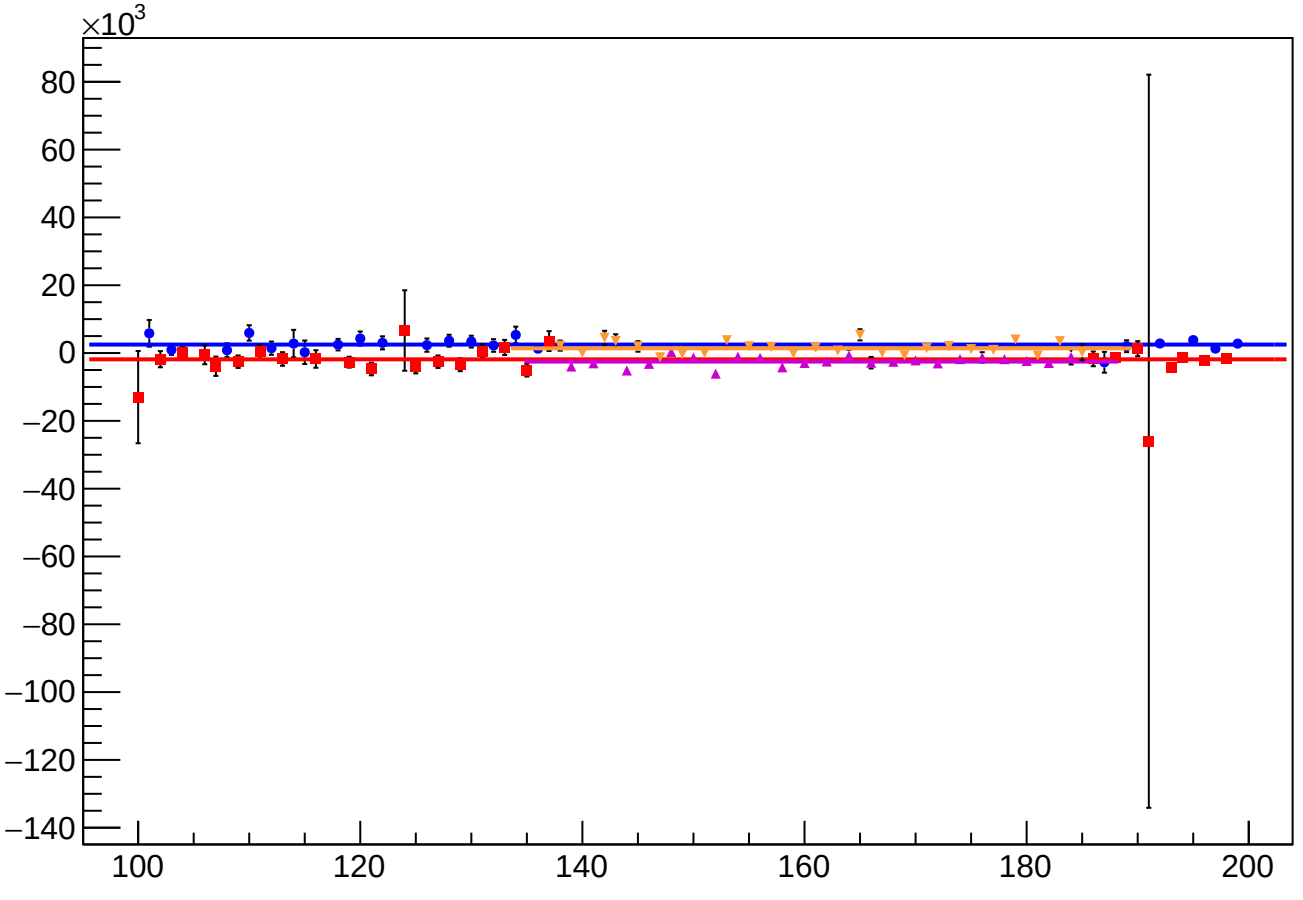
Right Out: 3086.838+/-0.720 χ^2/NDF: 6222266.9/26

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3842.377+/-0.534 χ^2/NDF: 9412716.9/46

All: 3843.260+/-0.379 χ^2/NDF: 19372687.6/9

- sign 3844.155+/-0.538 χ^2/NDF: 9959965.3/49



Right In: 2499.237+/-389.079 χ^2/NDF: 13.7/21

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1855.774+/-378.340 χ^2/NDF: 24.6/26

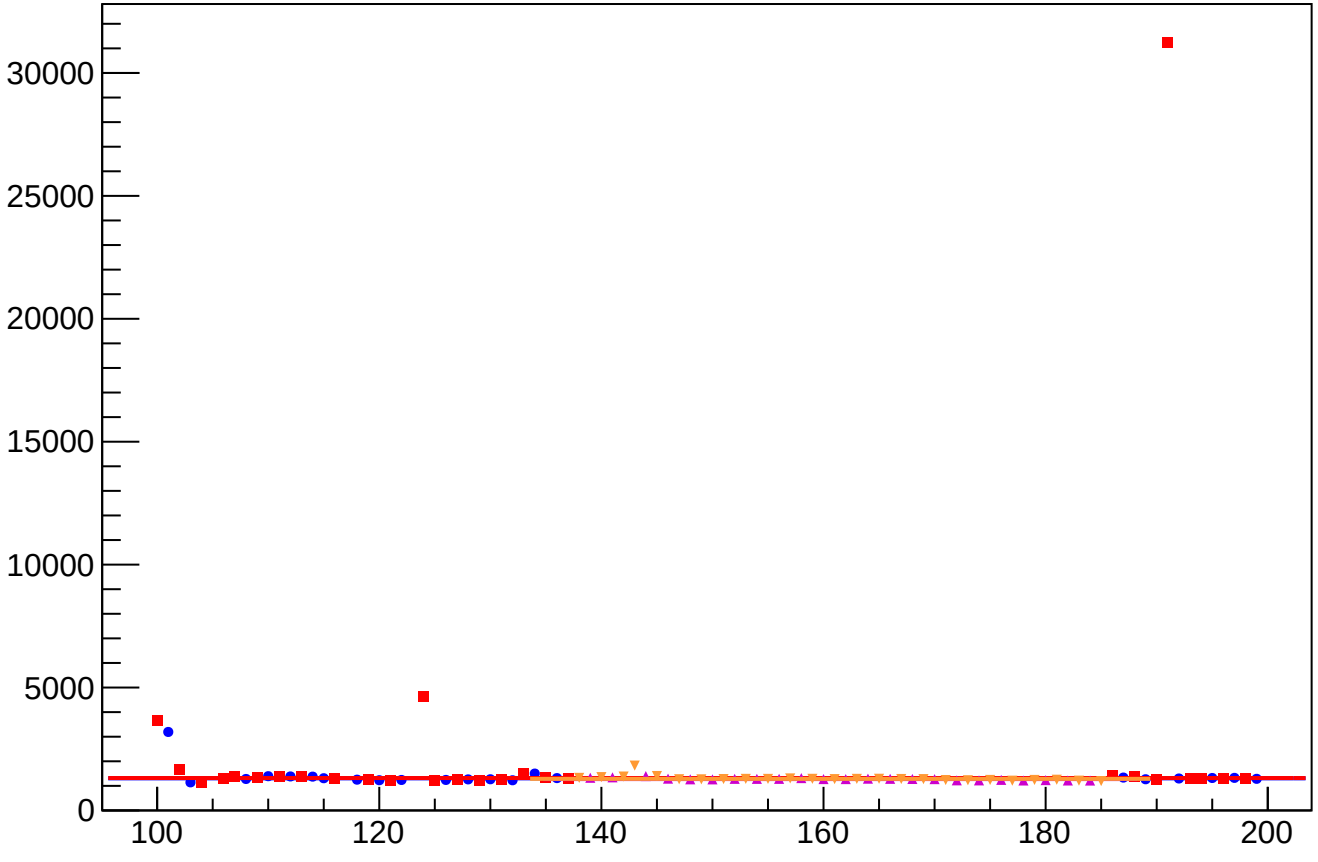
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1786.669+/-233.942 χ^2/NDF: 51.8/46

All: -237.474+/-165.495 χ^2/NDF: 250.6/96

- sign -2265.199+/-234.149 χ^2/NDF: 49.0/49

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1305.757+/-0.275 χ^2/NDF: 518387.2/21

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

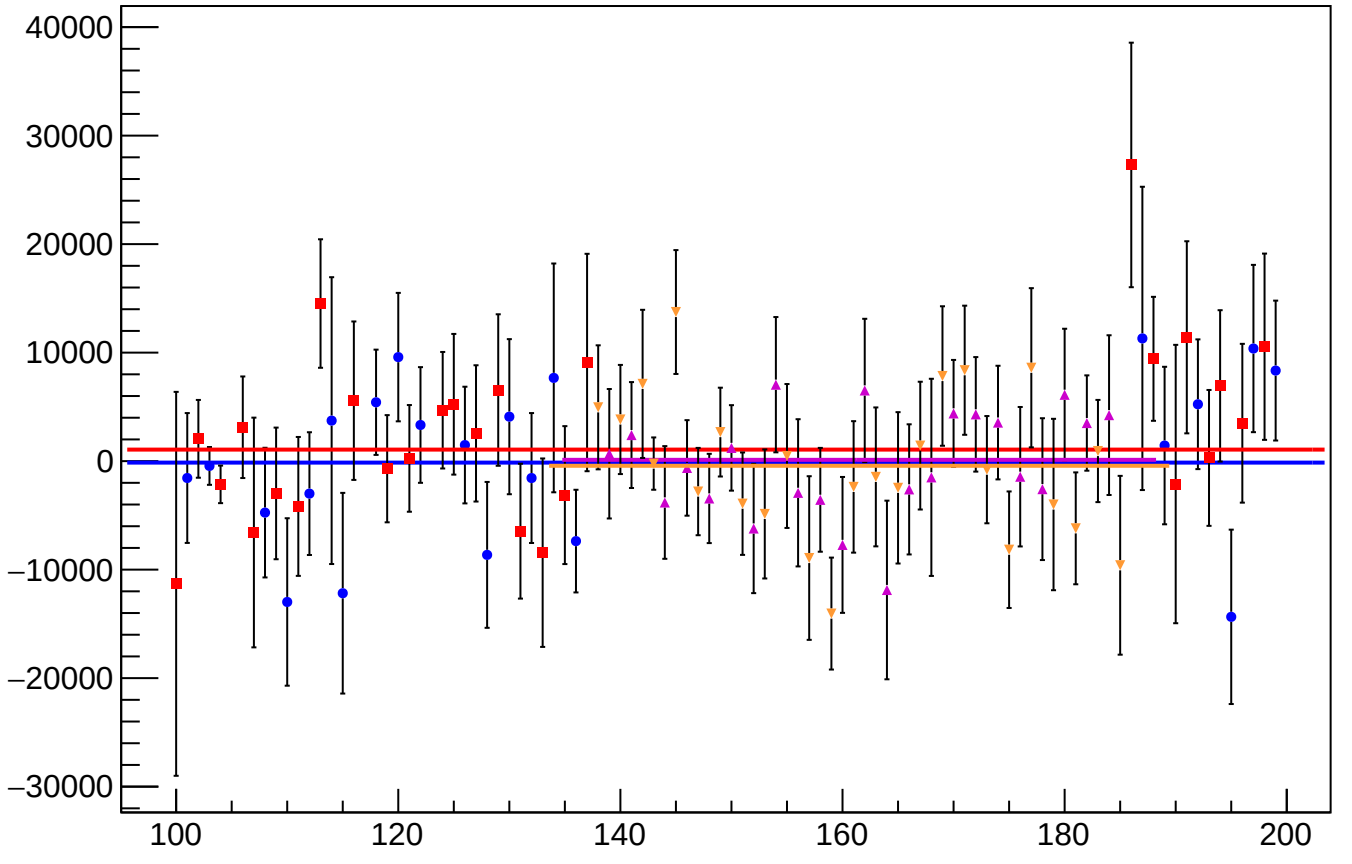
Right Out: 1319.224+/-0.267 χ^2/NDF: 487854.8/26

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.919+/-0.165 χ^2/NDF: 712825.2/46

All: 1292.730+/-0.117 χ^2/NDF: 1258254.0/96

- sign 1292.542+/-0.165 χ^2/NDF: 545426.2/49



Right In: -136.270+/-1101.840 χ^2/NDF: 23.2/21

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

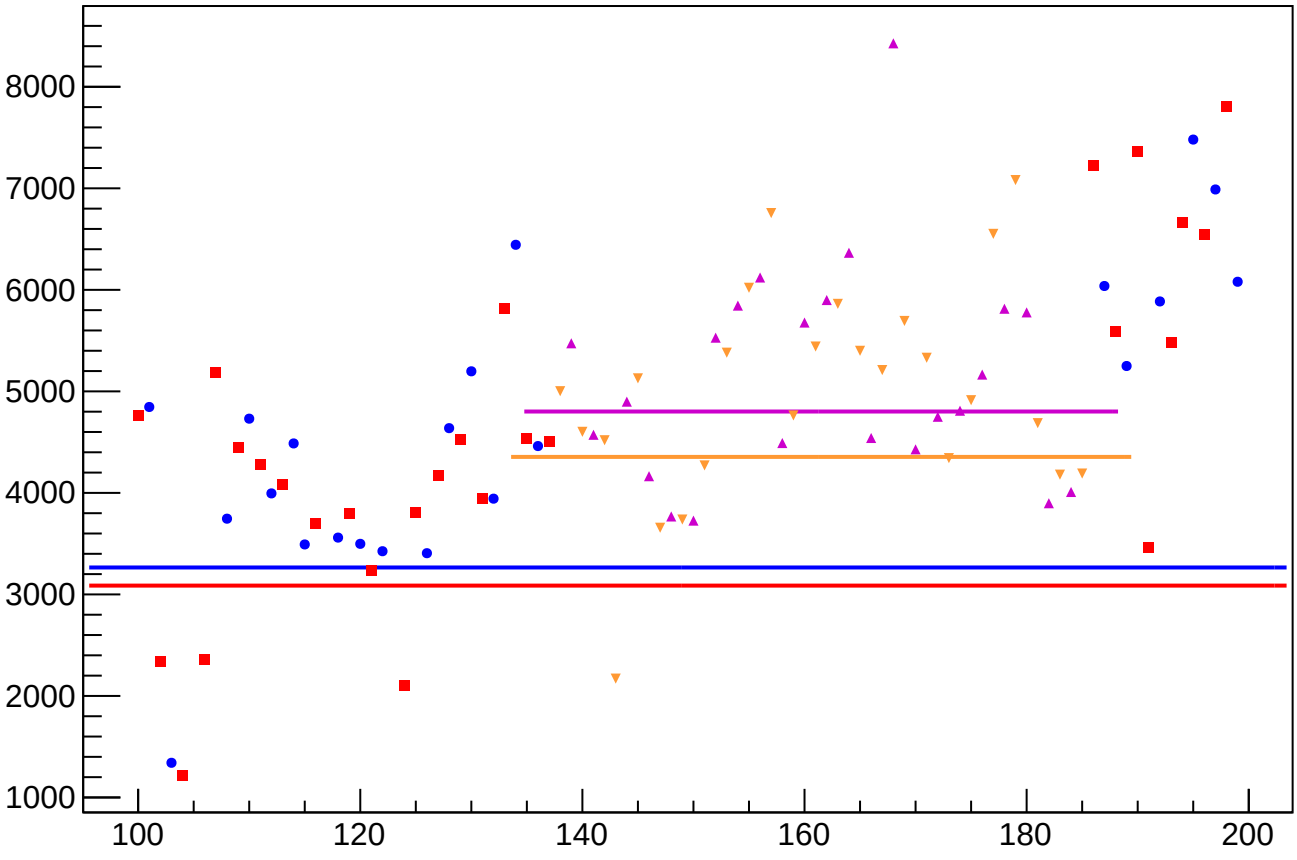
Right Out: 1062.463+/-1018.073 χ^2/NDF: 27.9/26

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -291.103+/-755.552 χ^2/NDF: 53.0/46

All: 174.206+/-536.077 χ^2/NDF: 95.6/96

- sign 645.915+/-760.730 χ^2/NDF: 41.8/49



Right In: 3265.351+/-0.779 χ^2/NDF: 5305854.2/21

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3086.838+/-0.720 χ^2/NDF: 6222266.9/26

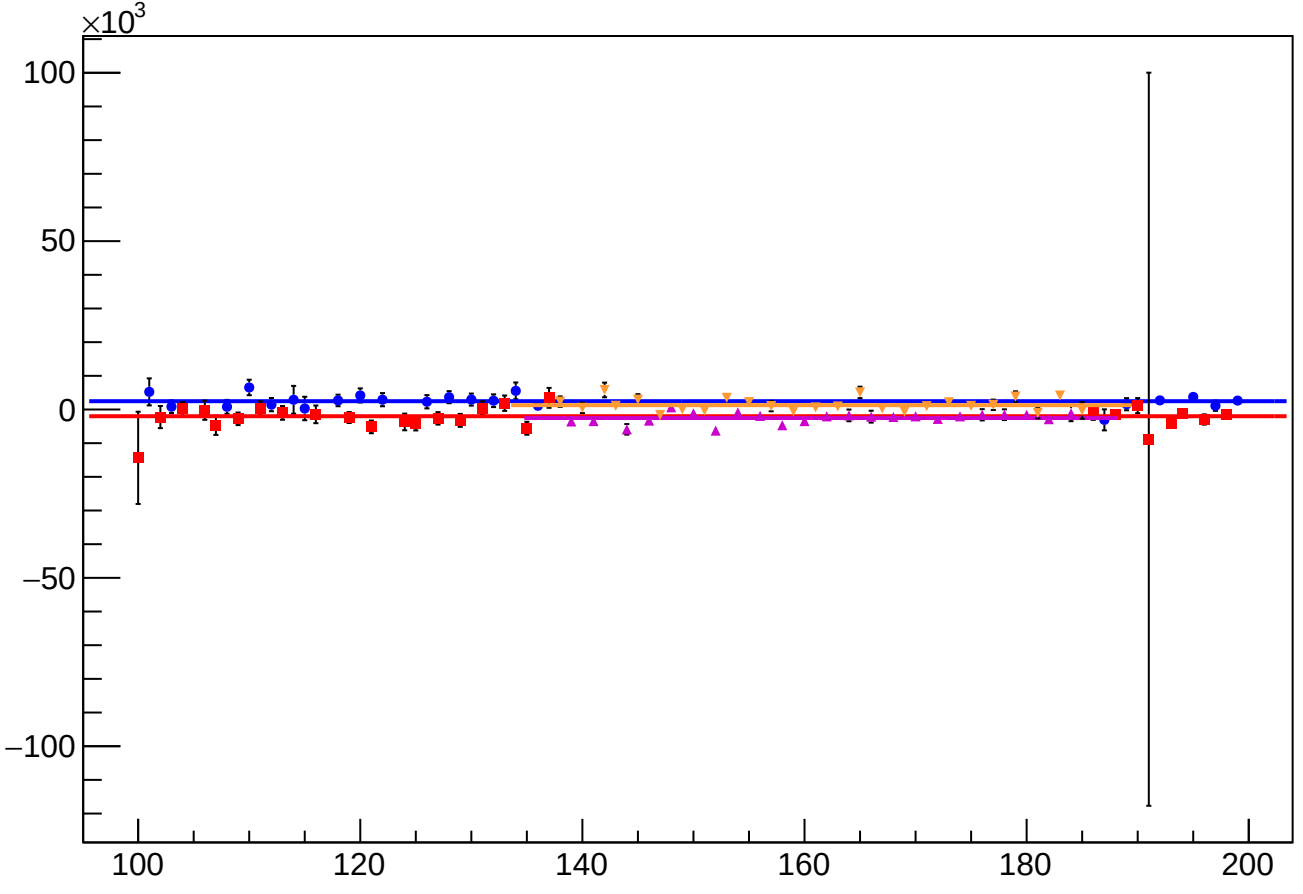
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3842.377+/-0.534 χ^2/NDF: 9412716.9/46

All: 3843.260+/-0.379 χ^2/NDF: 19372687.6/9

- sign 3844.155+/-0.538 χ^2/NDF: 9959965.3/49

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2466.979+/-401.387 χ^2/NDF: 14.4/21

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -1996.718+/-386.153 χ^2/NDF: 26.0/26

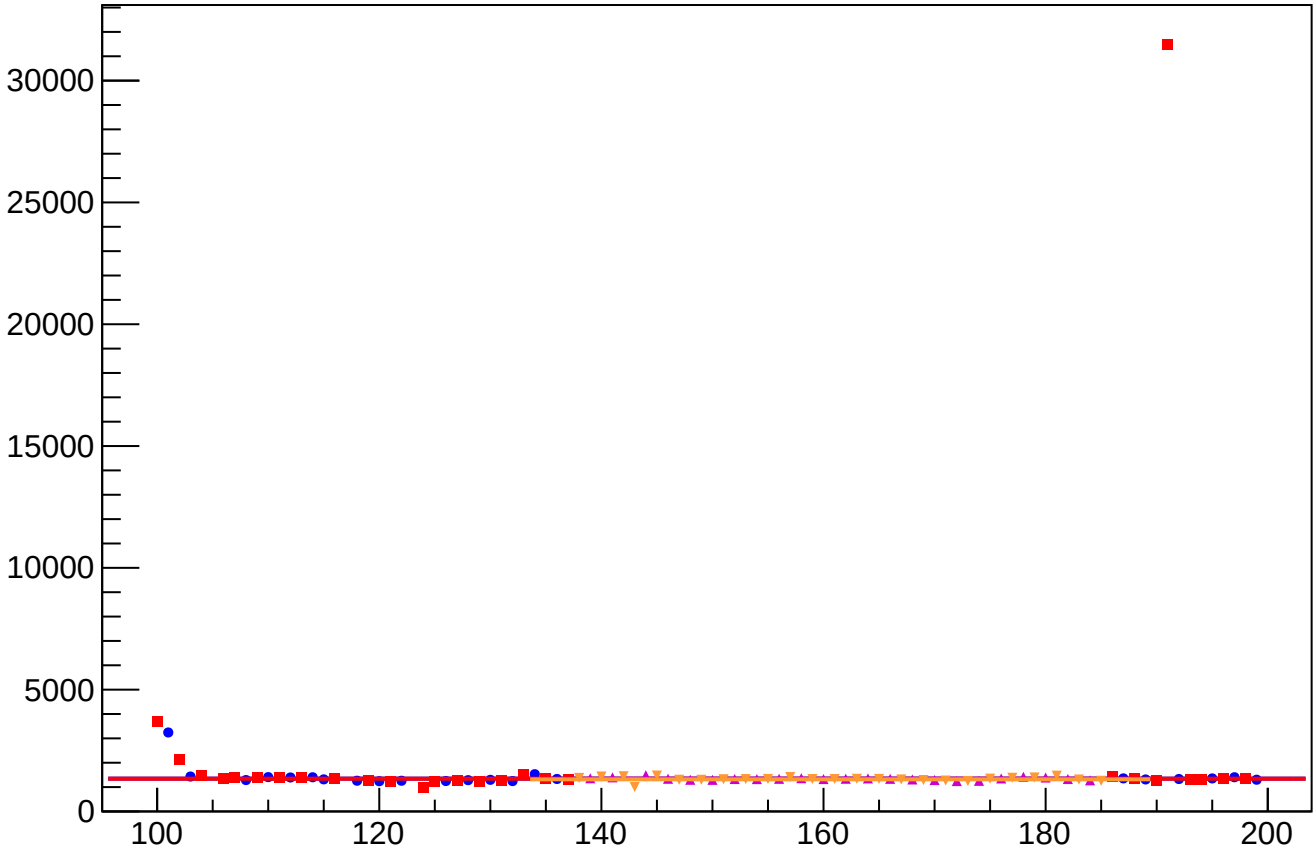
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1709.217+/-240.571 χ^2/NDF: 53.3/46

All: -284.174+/-170.997 χ^2/NDF: 244.2/96

- sign -2319.727+/-243.101 χ^2/NDF: 52.2/49

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1347.134+/-0.284 χ^2/NDF: 500043.6/21

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

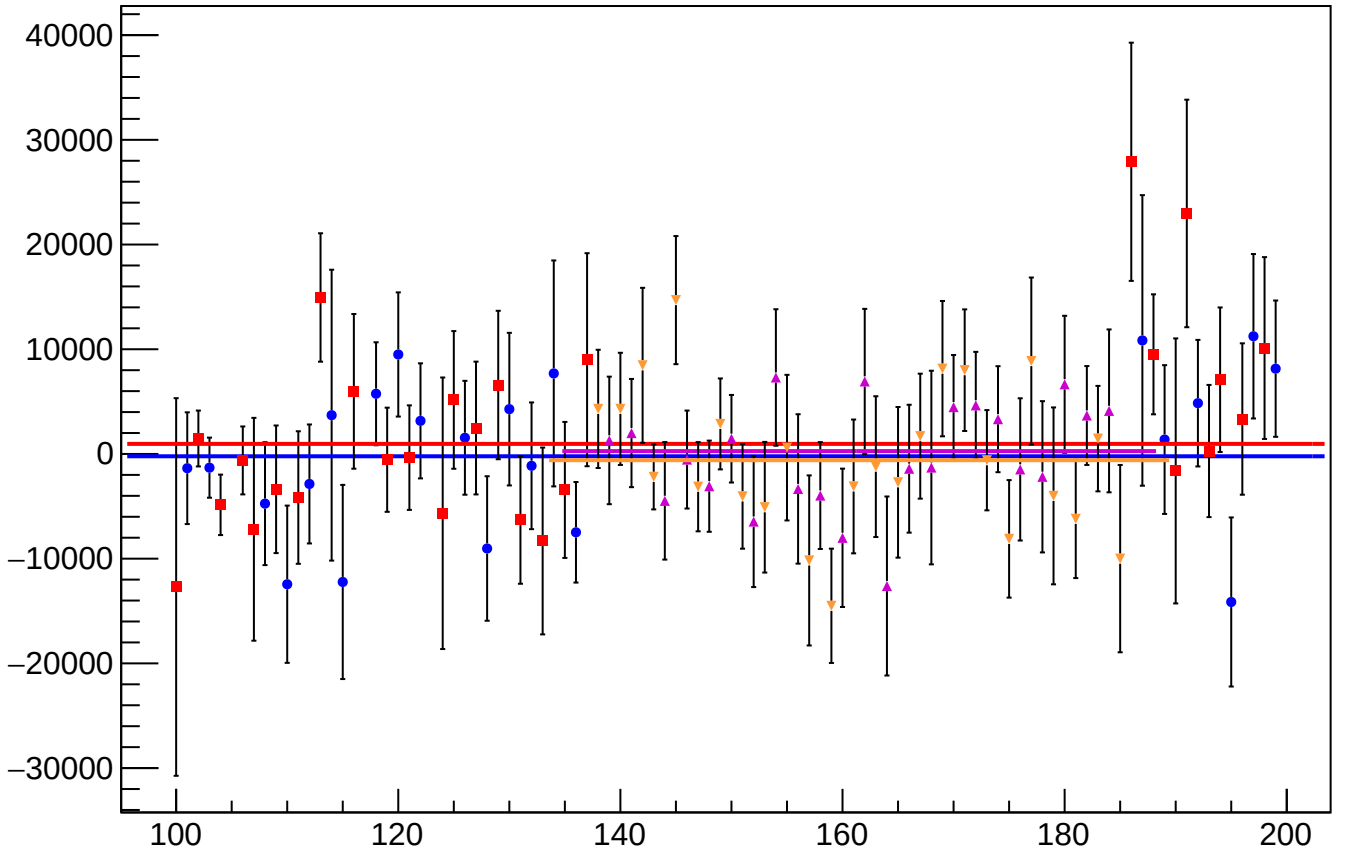
Right Out: 1344.195+/-0.273 χ^2/NDF: 434083.4/26

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1328.577+/-0.170 χ^2/NDF: 755262.3/46

All: 1334.635+/-0.121 χ^2/NDF: 1246410.6/96

- sign 1340.820+/-0.172 χ^2/NDF: 488585.2/49



Right In: -221.705+/-1275.640 χ^2/NDF: 23.1/21

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: 961.996+/-1102.337 χ^2/NDF: 31.4/26

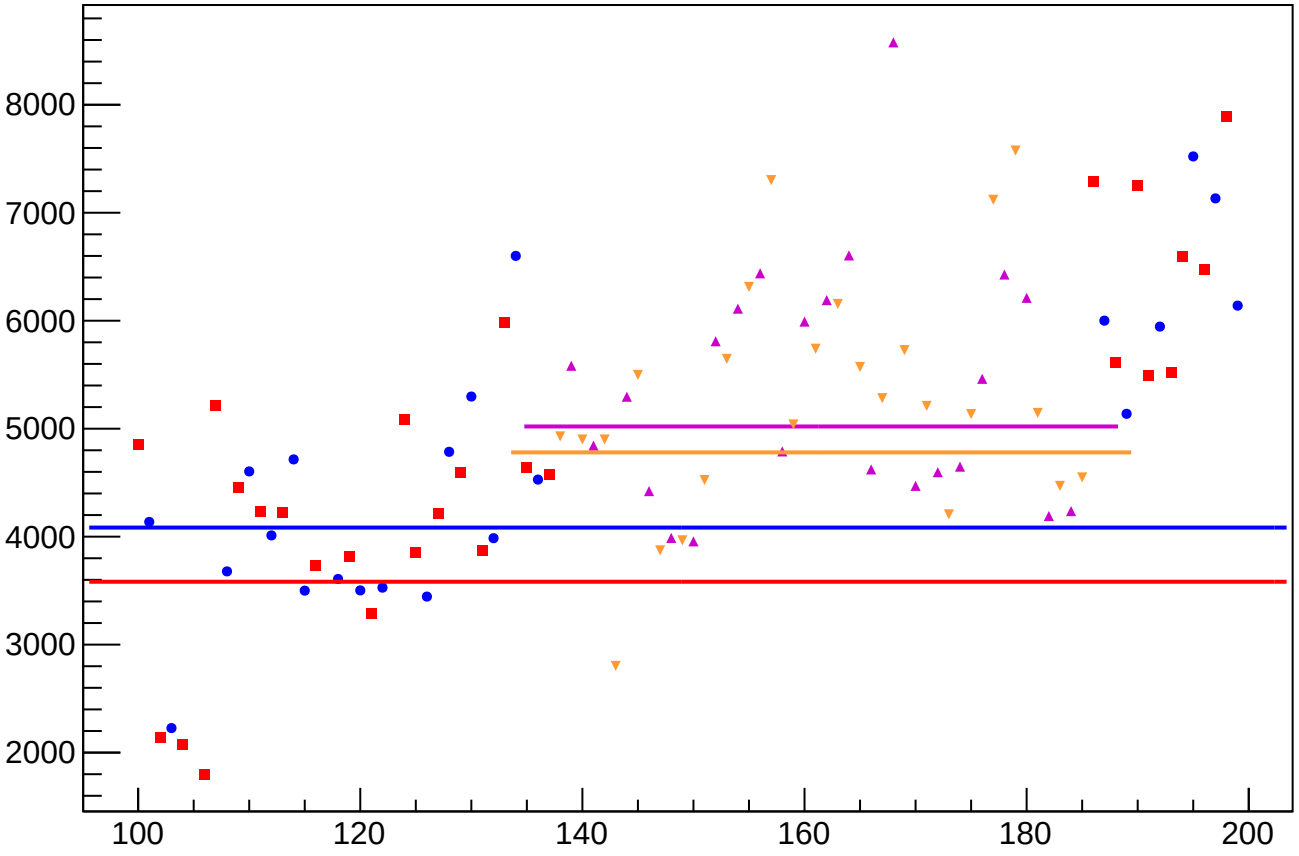
Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

\+ sign -432.081+/-842.606 χ^2/NDF: 52.6/46

All: 127.537+/-584.248 χ^2/NDF: 98.5/96

\- sign 645.721+/-810.813 χ^2/NDF: 45.0/49

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 4084.167+/-0.902 χ^2/NDF: 2293754.4/21

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

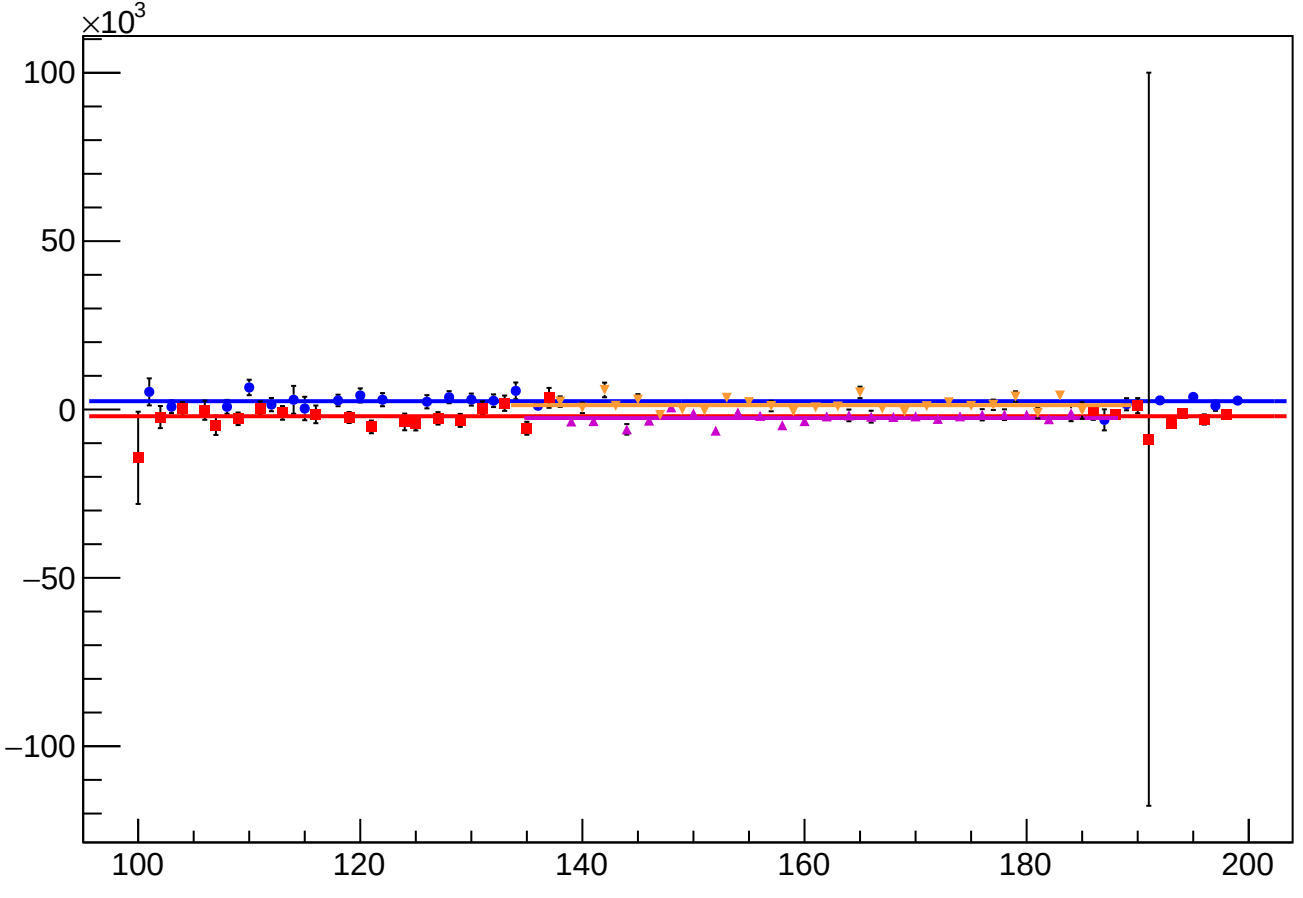
Right Out: 3582.442+/-0.779 χ^2/NDF: 4278341.4/26

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4476.625+/-0.596 χ^2/NDF: 4635830.0/46

All: 4355.068+/-0.413 χ^2/NDF: 11781802.9/9

- sign 4242.511+/-0.573 χ^2/NDF: 7065807.1/49



Right In: 2466.977+/-401.387 χ^2/NDF: 14.4/21

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -1996.718+/-386.153 χ^2/NDF: 26.0/26

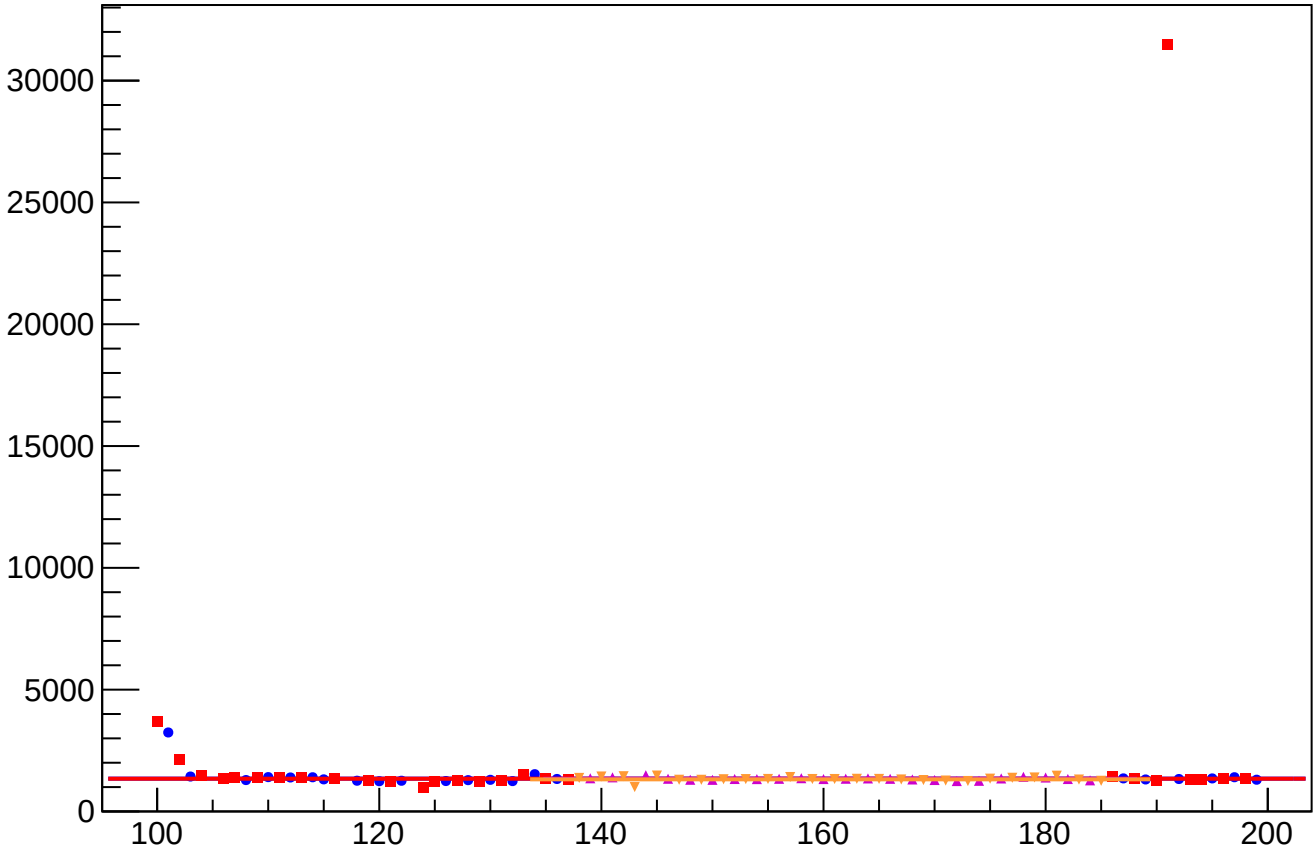
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1709.214+/-240.571 χ^2/NDF: 53.3/46

All: -284.176+/-170.997 χ^2/NDF: 244.2/96

- sign -2319.726+/-243.101 χ^2/NDF: 52.2/49

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1347.133+/-0.284 χ^2/NDF: 500043.8/21

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

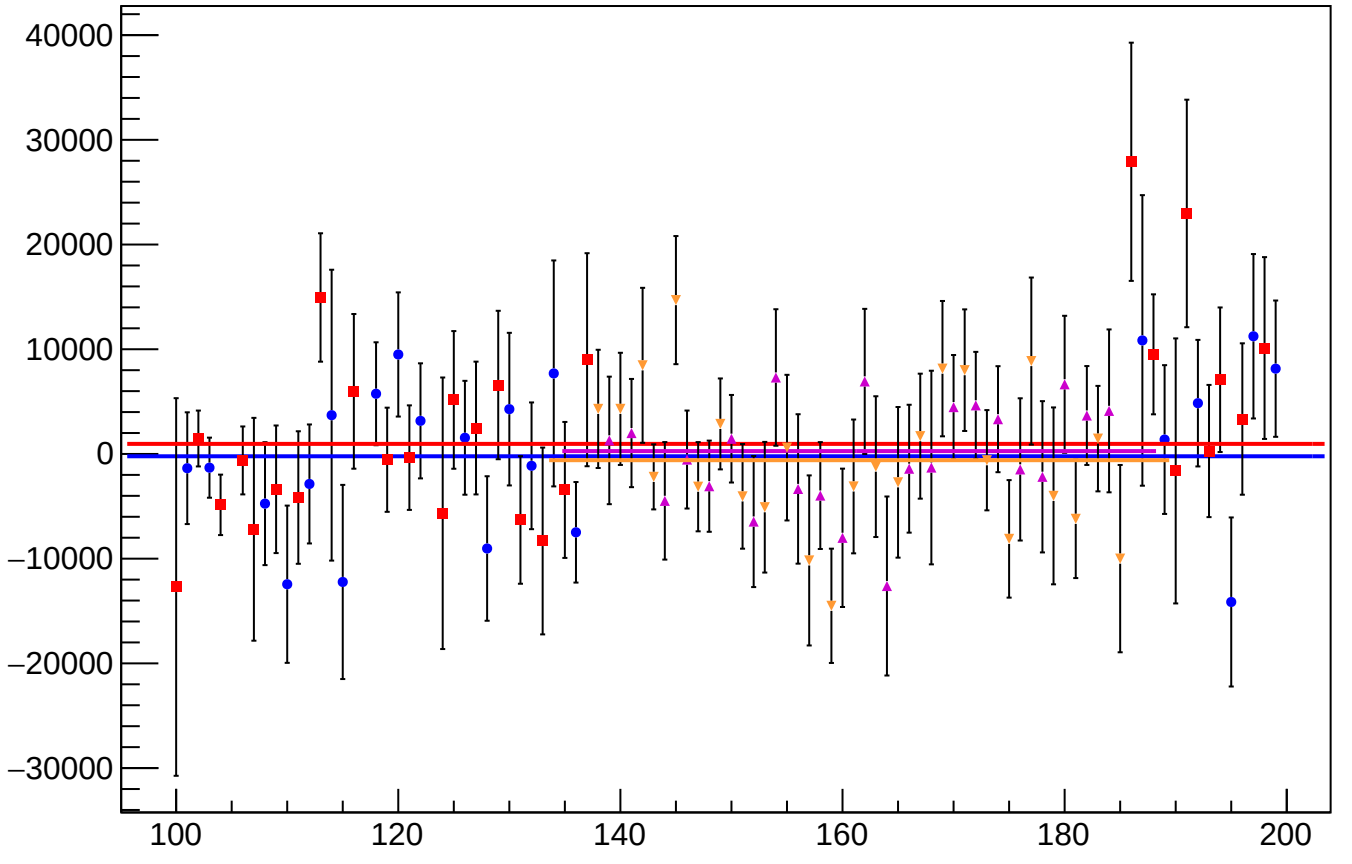
Right Out: 1344.195+/-0.273 χ^2/NDF: 434082.3/26

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1328.578+/-0.170 χ^2/NDF: 755264.2/46

All: 1334.636+/-0.121 χ^2/NDF: 1246413.9/96

- sign 1340.821+/-0.172 χ^2/NDF: 488586.5/49



Right In: -221.701+/-1275.638 χ^2/NDF: 23.1/21

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

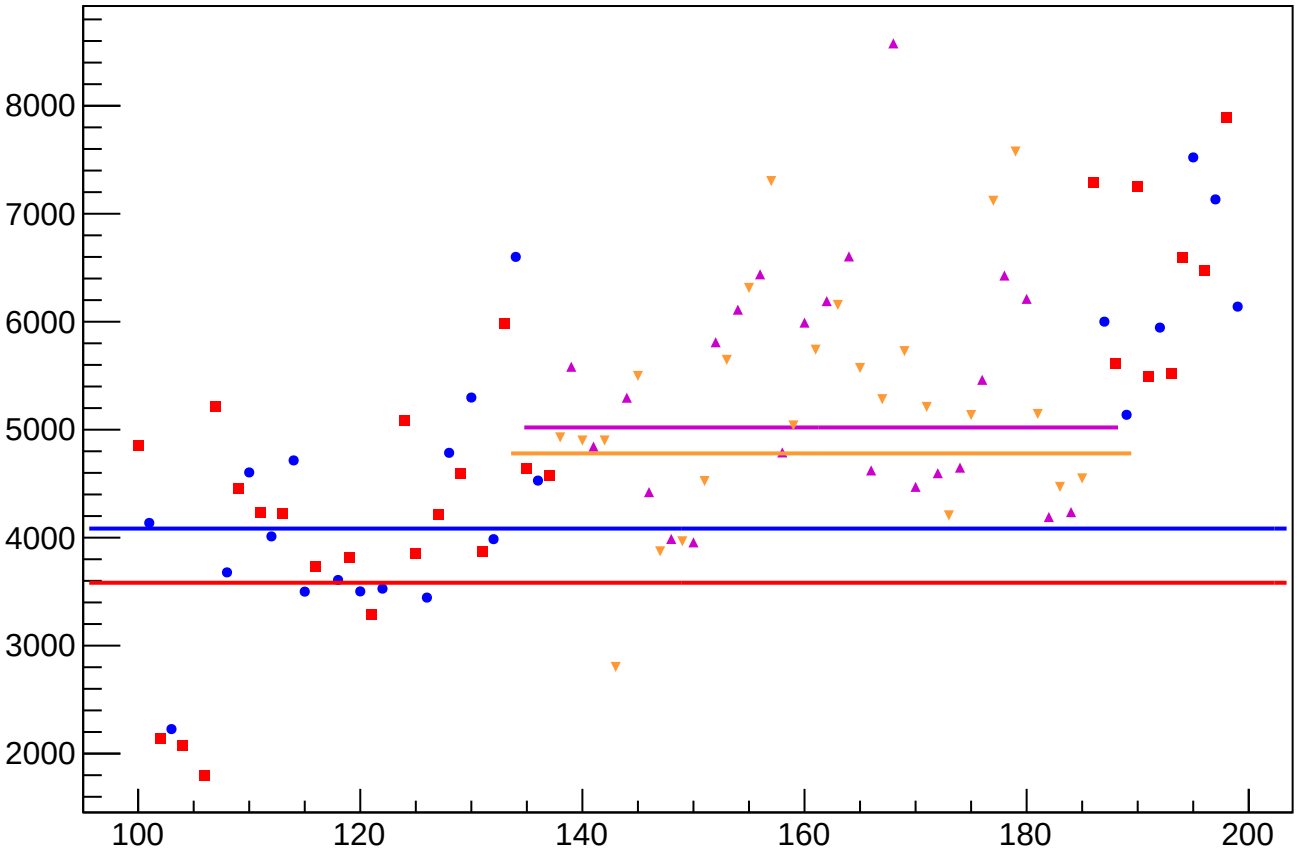
Right Out: 961.989+/-1102.335 χ^2/NDF: 31.4/26

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -432.081+/-842.607 χ^2/NDF: 52.6/46

All: 127.536+/-584.248 χ^2/NDF: 98.5/96

- sign 645.719+/-810.813 χ^2/NDF: 45.0/49



Right In: 4084.158+/-0.902 χ^2/NDF: 2293771.9/21

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

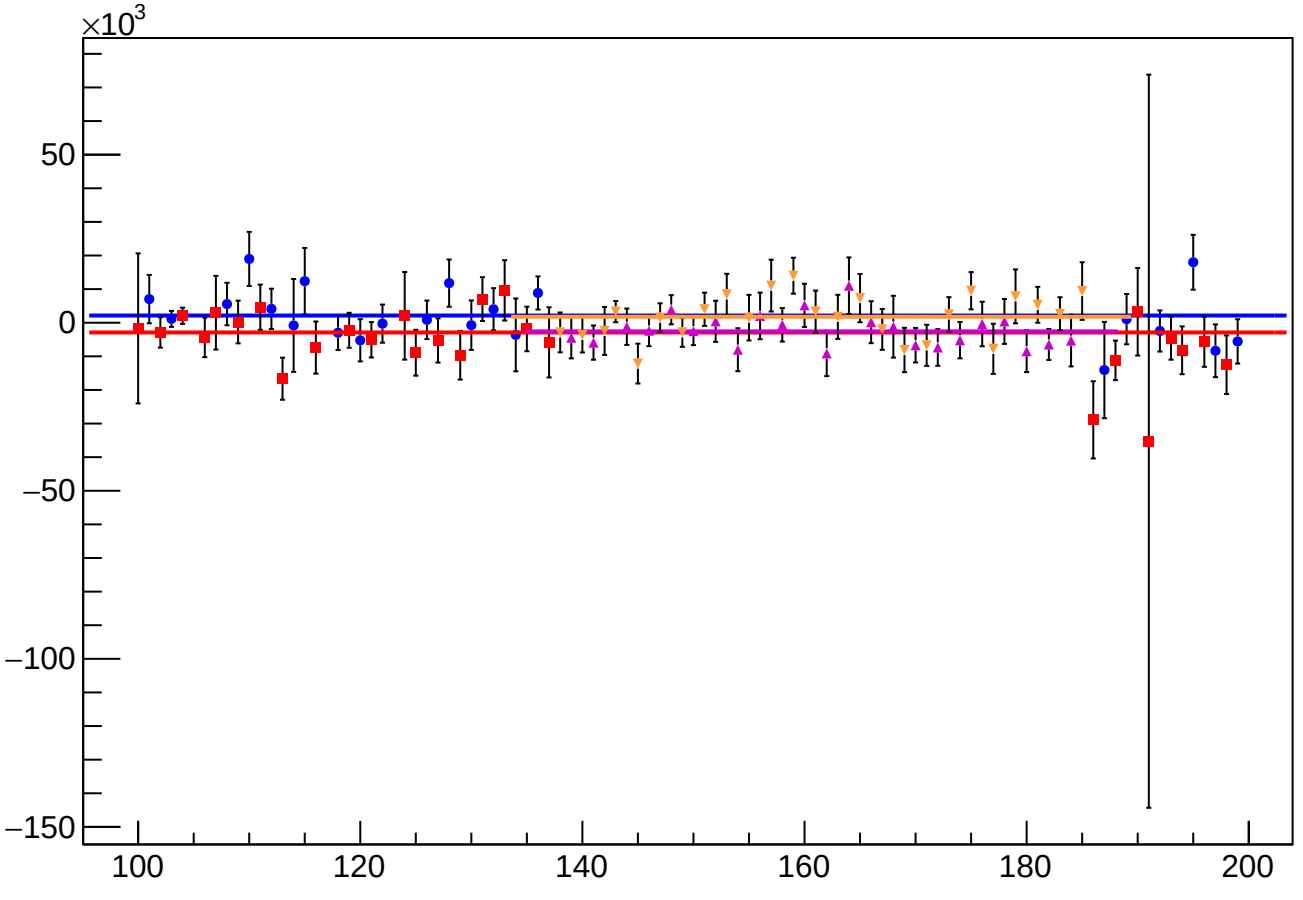
Right Out: 3582.433+/-0.779 χ^2/NDF: 4278362.8/26

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4476.625+/-0.596 χ^2/NDF: 4635865.2/46

All: 4355.066+/-0.413 χ^2/NDF: 11781902.2/9

- sign 4242.507+/-0.573 χ^2/NDF: 7065868.7/49



Right In: 2142.756+/-1268.283 χ^2/NDF: 22.2/21

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2897.221+/-1215.456 χ^2/NDF: 27.1/26

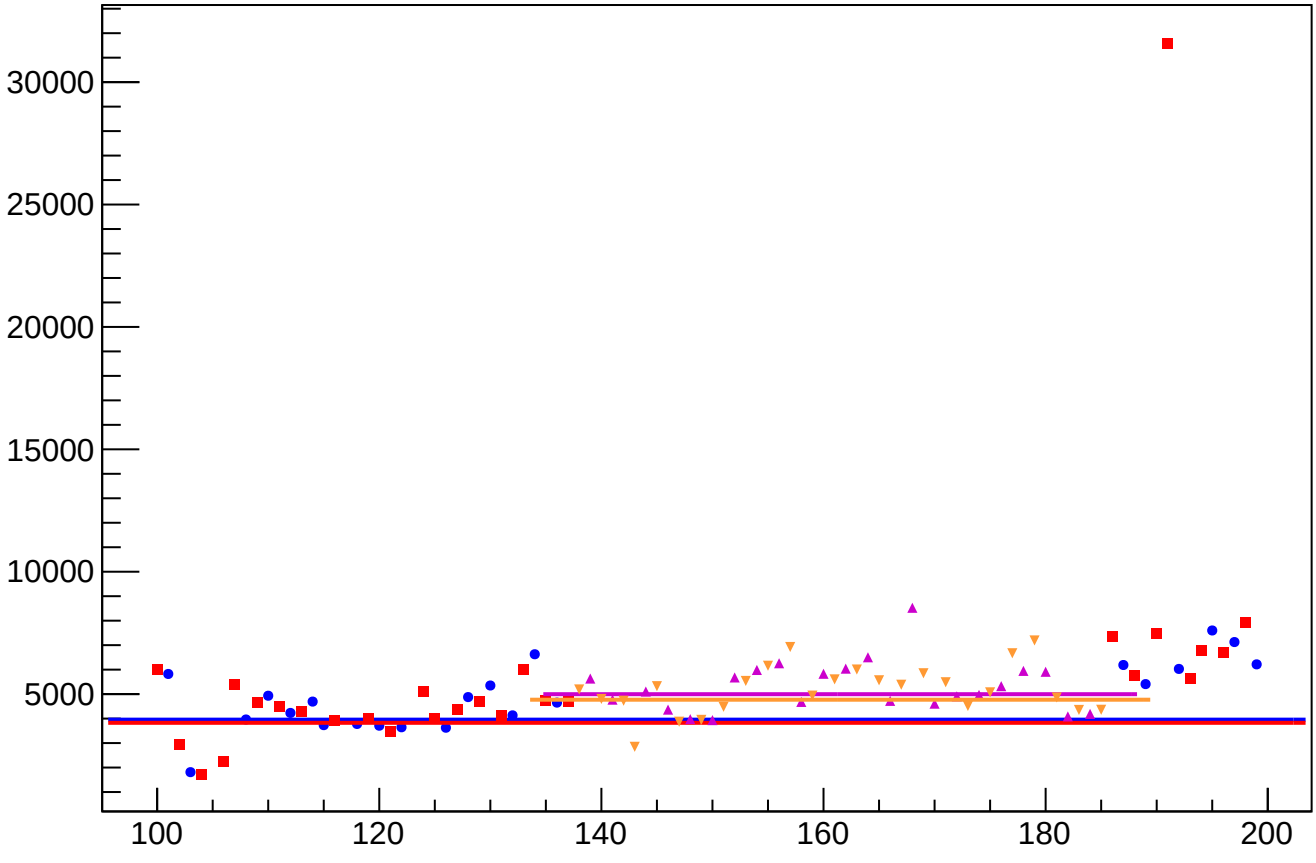
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1928.018+/-837.924 χ^2/NDF: 49.9/46

All: -370.837+/-596.638 χ^2/NDF: 105.6/96

- sign -2735.026+/-849.747 χ^2/NDF: 40.4/49

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3956.922+/-0.897 χ^2/NDF: 3397771.8/21

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

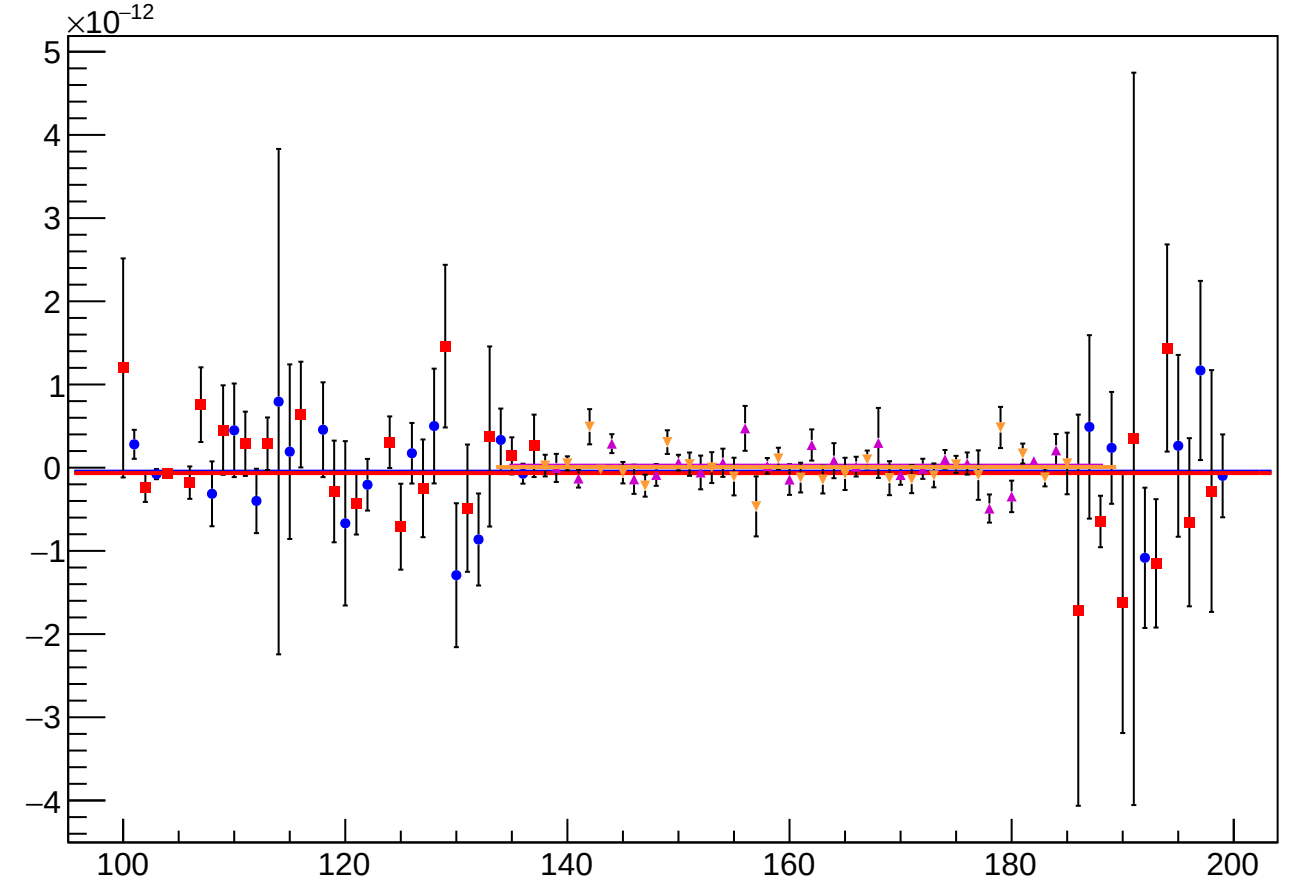
Right Out: 3827.580+/-0.850 χ^2/NDF: 4154339.9/26

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4415.761+/-0.592 χ^2/NDF: 5649396.5/46

All: 4417.179+/-0.421 χ^2/NDF: 11856682.5/9

- sign 4418.622+/-0.598 χ^2/NDF: 6207274.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

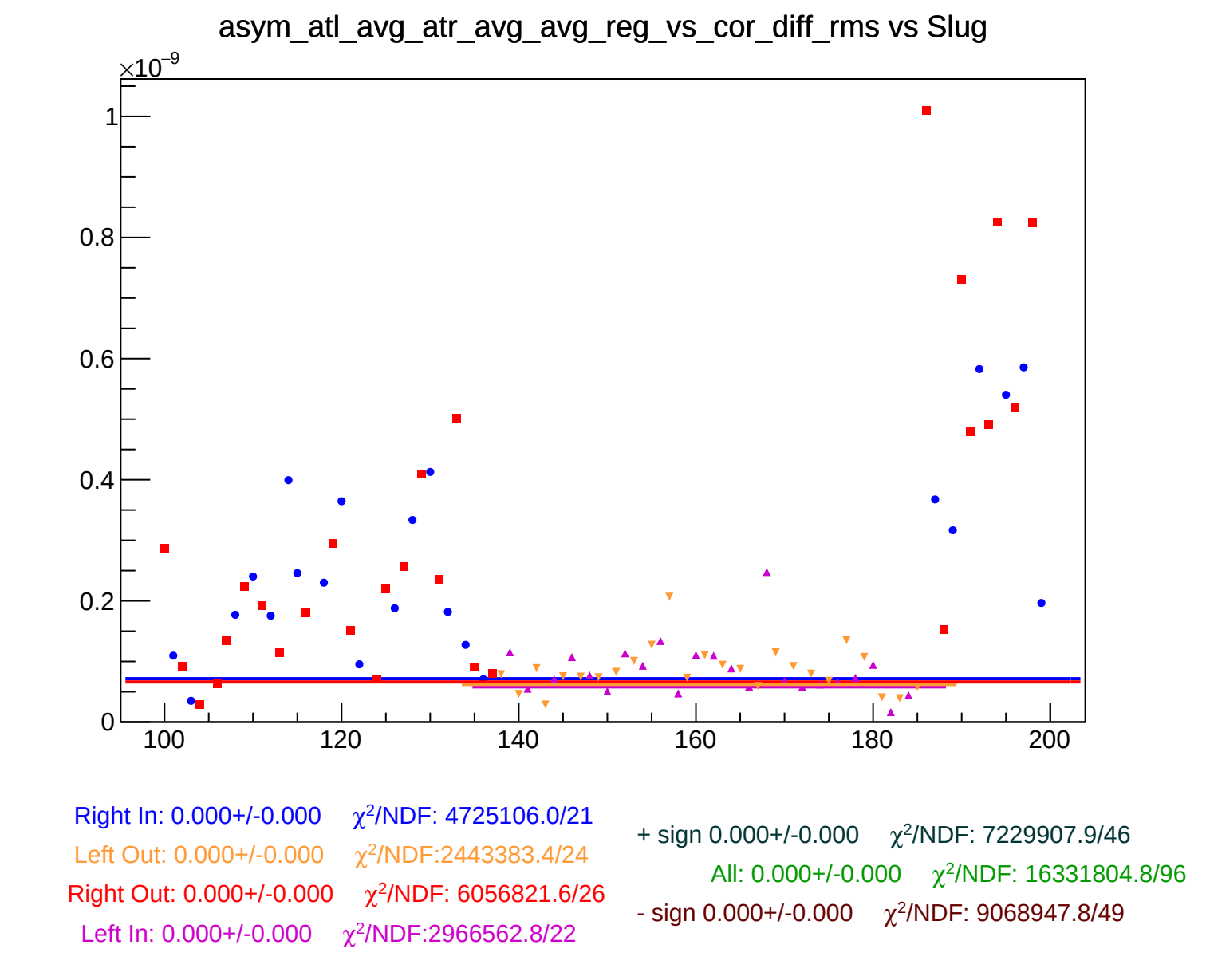
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/26

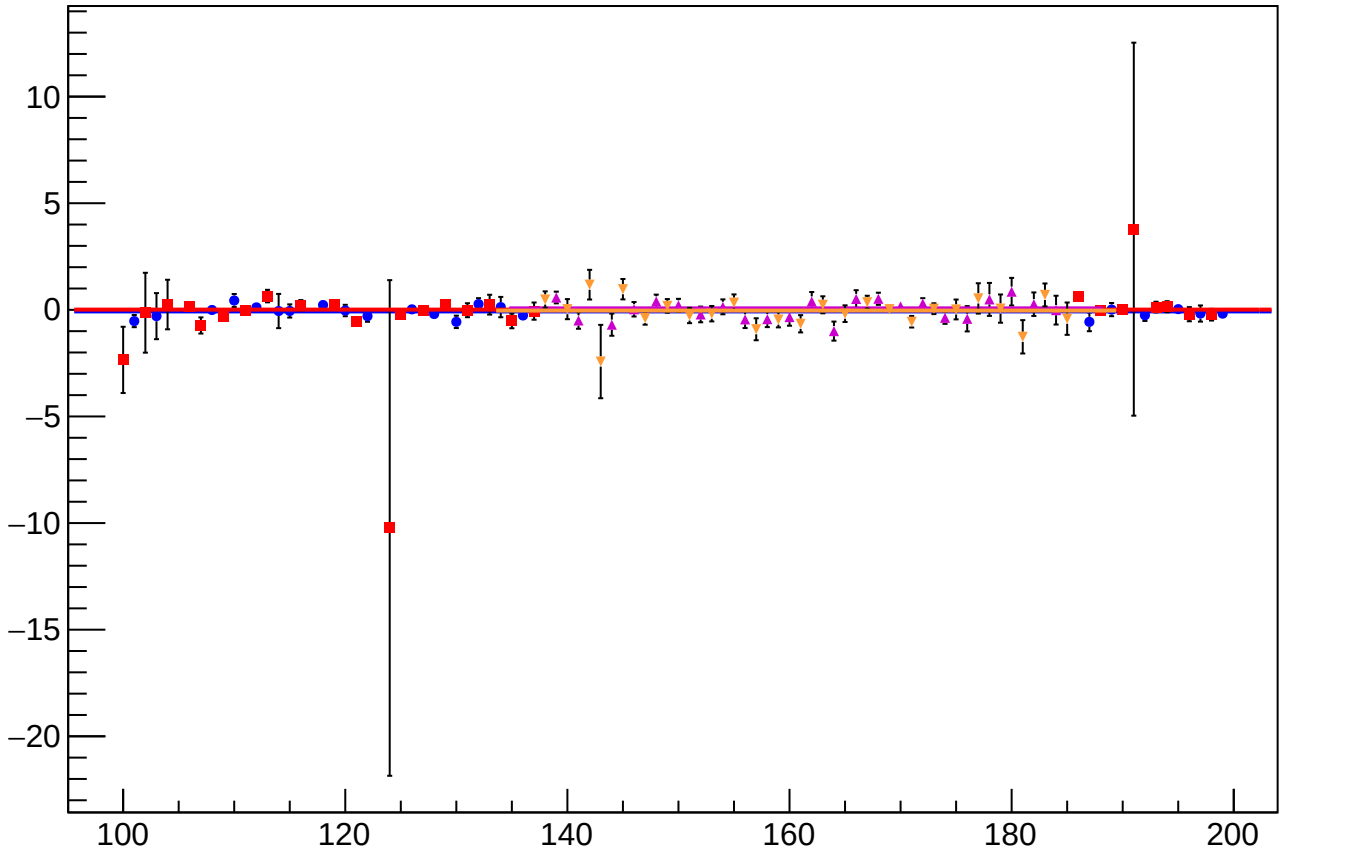
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/46

All: -0.000+/-0.000 χ^2/NDF: 107.2/96

- 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: 4725106.0/21
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: 7229907.9/46
All: 0.000+/-0.000 χ²/NDF: 16331804.8/96
- sign 0.000+/-0.000 χ²/NDF: 9068947.8/49



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.011+/-0.048 χ^2/NDF: 37.0/26

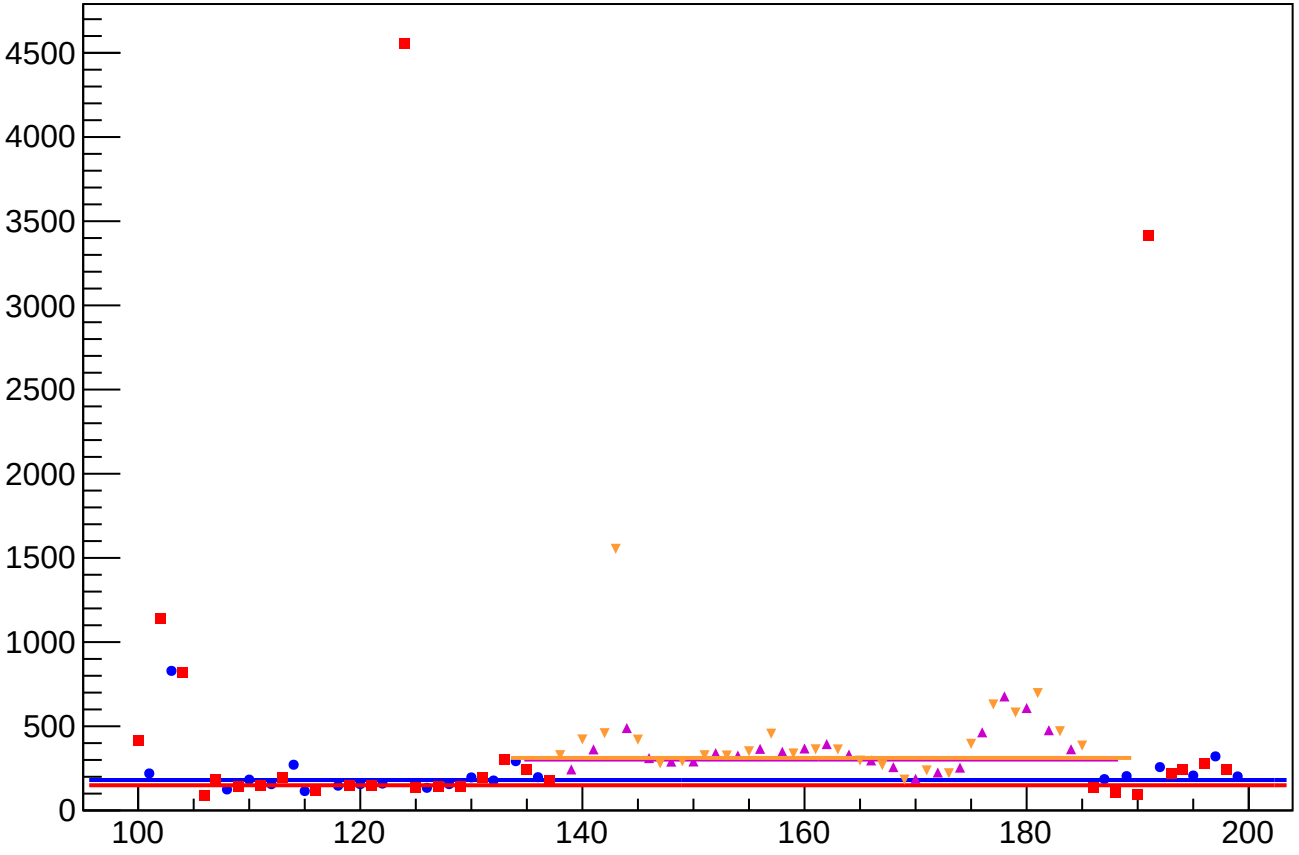
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.060+/-0.046 χ^2/NDF: 50.0/46

All: -0.010+/-0.030 χ^2/NDF: 119.4/96

- 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: 180.888+/-0.041 χ^2/NDF: 1872051.3/21

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

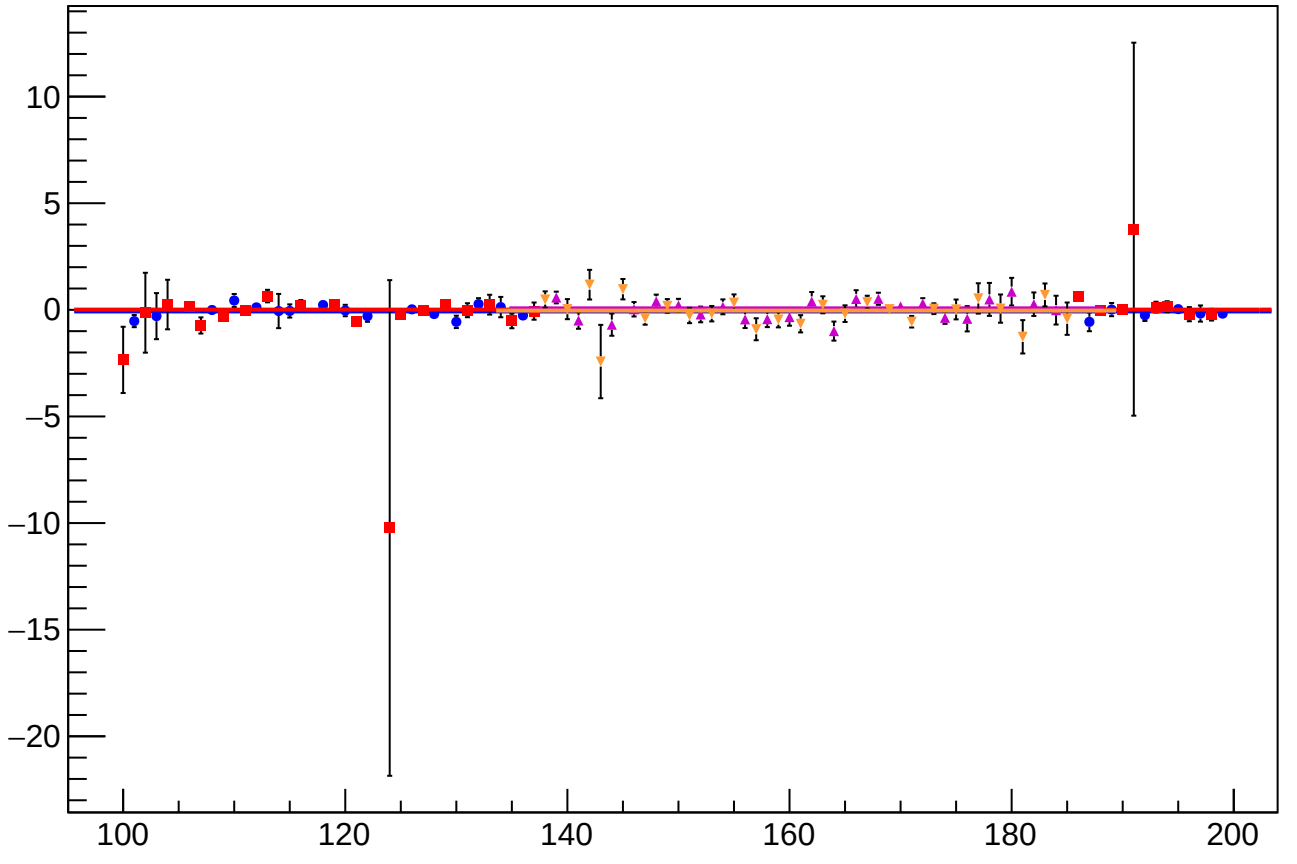
Right Out: 149.698+/-0.034 χ^2/NDF: 4089319.0/26

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.174+/-0.033 χ^2/NDF: 9958356.9/46

All: 209.406+/-0.022 χ^2/NDF: 23306277.2/96

- sign 194.756+/-0.029 χ^2/NDF: 12756481.5/49



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

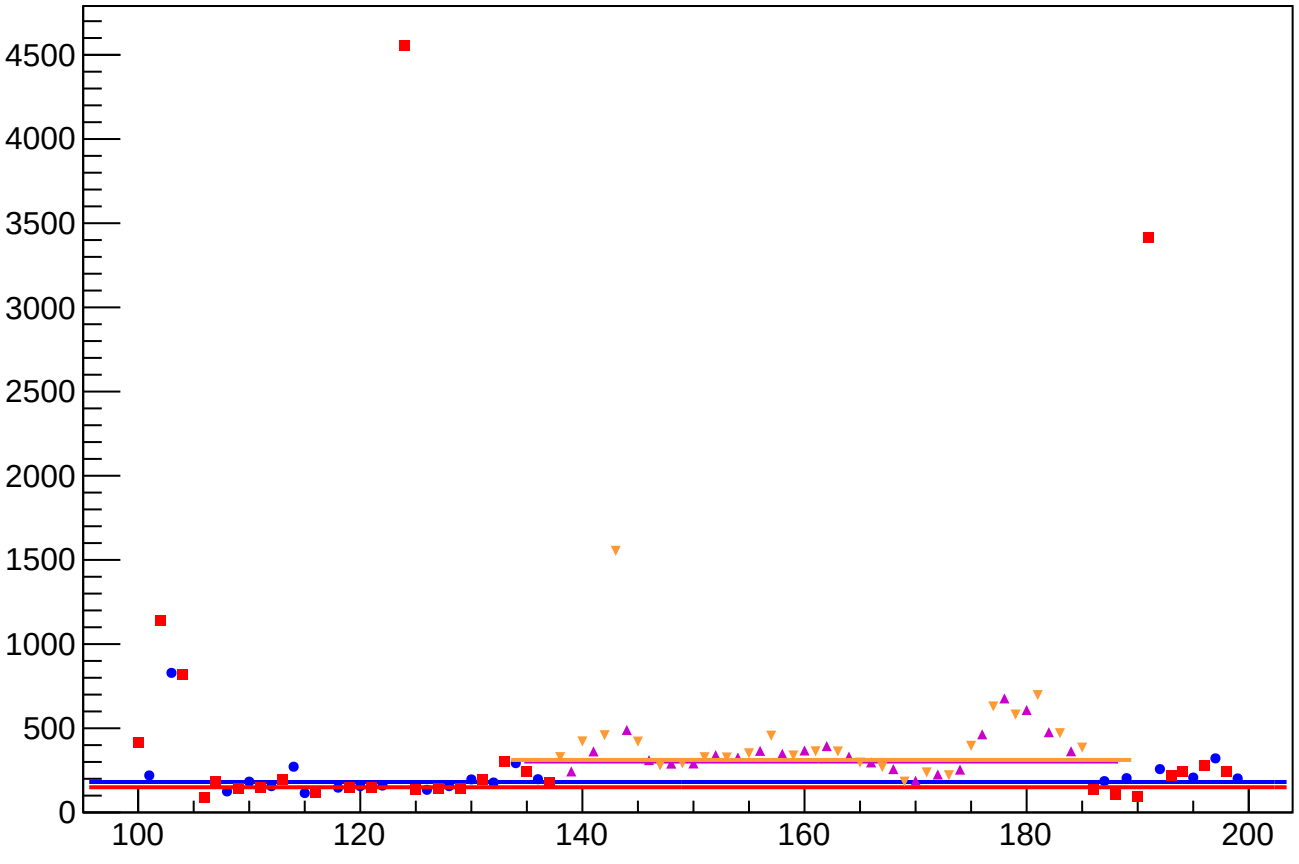
Right Out: 0.011+/-0.048 χ^2/NDF: 37.0/26

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.060+/-0.046 χ^2/NDF: 50.0/46

All: -0.010+/-0.030 χ^2/NDF: 119.4/96

- sign 0.028+/-0.041 χ^2/NDF: 67.4/49



Right In: 180.888+/-0.041 χ^2/NDF: 1872051.3/21

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

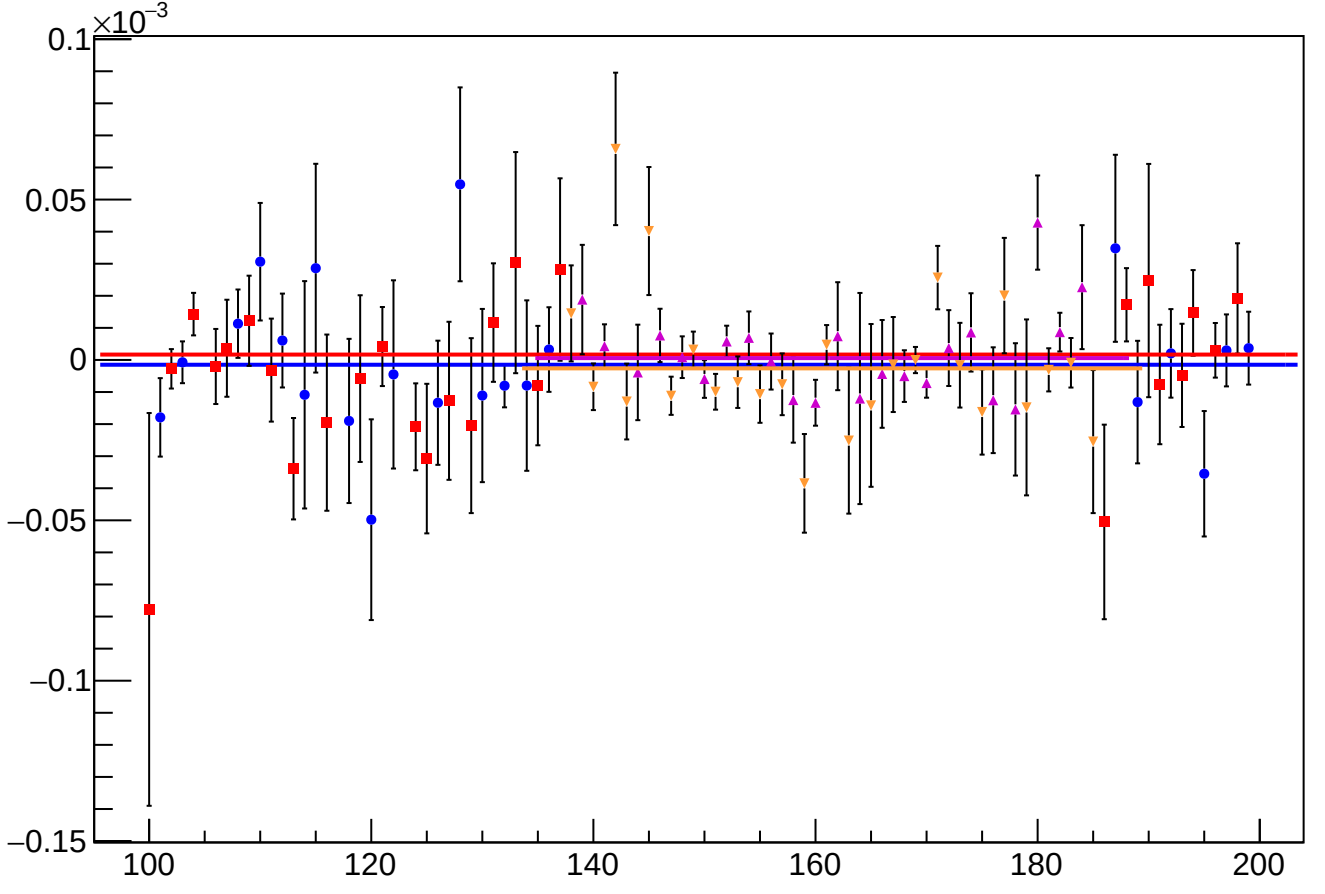
Right Out: 149.698+/-0.034 χ^2/NDF: 4089319.0/26

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.174+/-0.033 χ^2/NDF: 9958356.9/46

All: 209.406+/-0.022 χ^2/NDF: 23306277.2/96

- sign 194.756+/-0.029 χ^2/NDF: 12756481.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

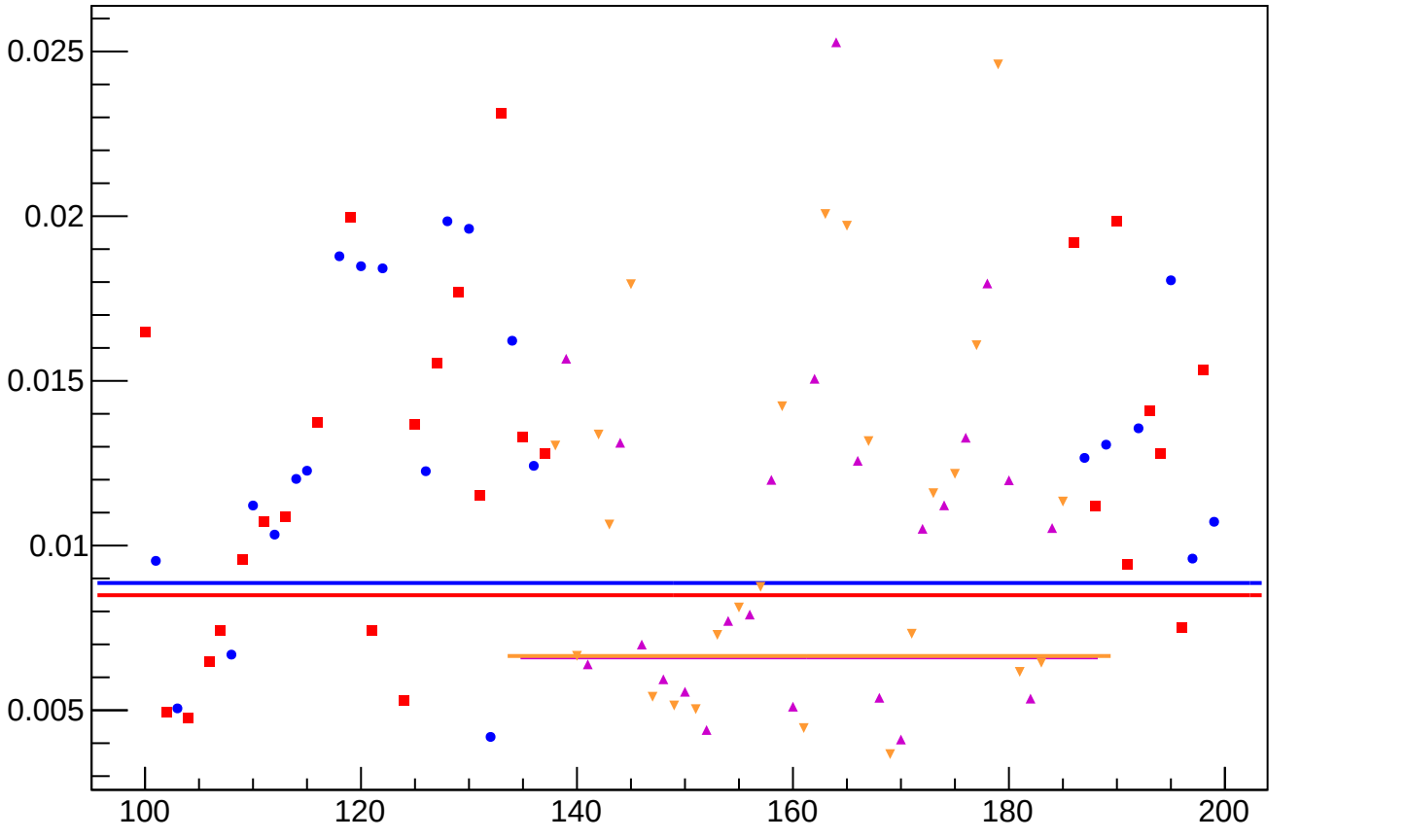
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/26

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.4/46

All: -0.000+/-0.000 χ^2/NDF: 120.6/96

- sign 0.000+/-0.000 χ^2/NDF: 54.8/49



Right In: 0.009+/-0.000 χ^2/NDF: 4334937.1/21

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

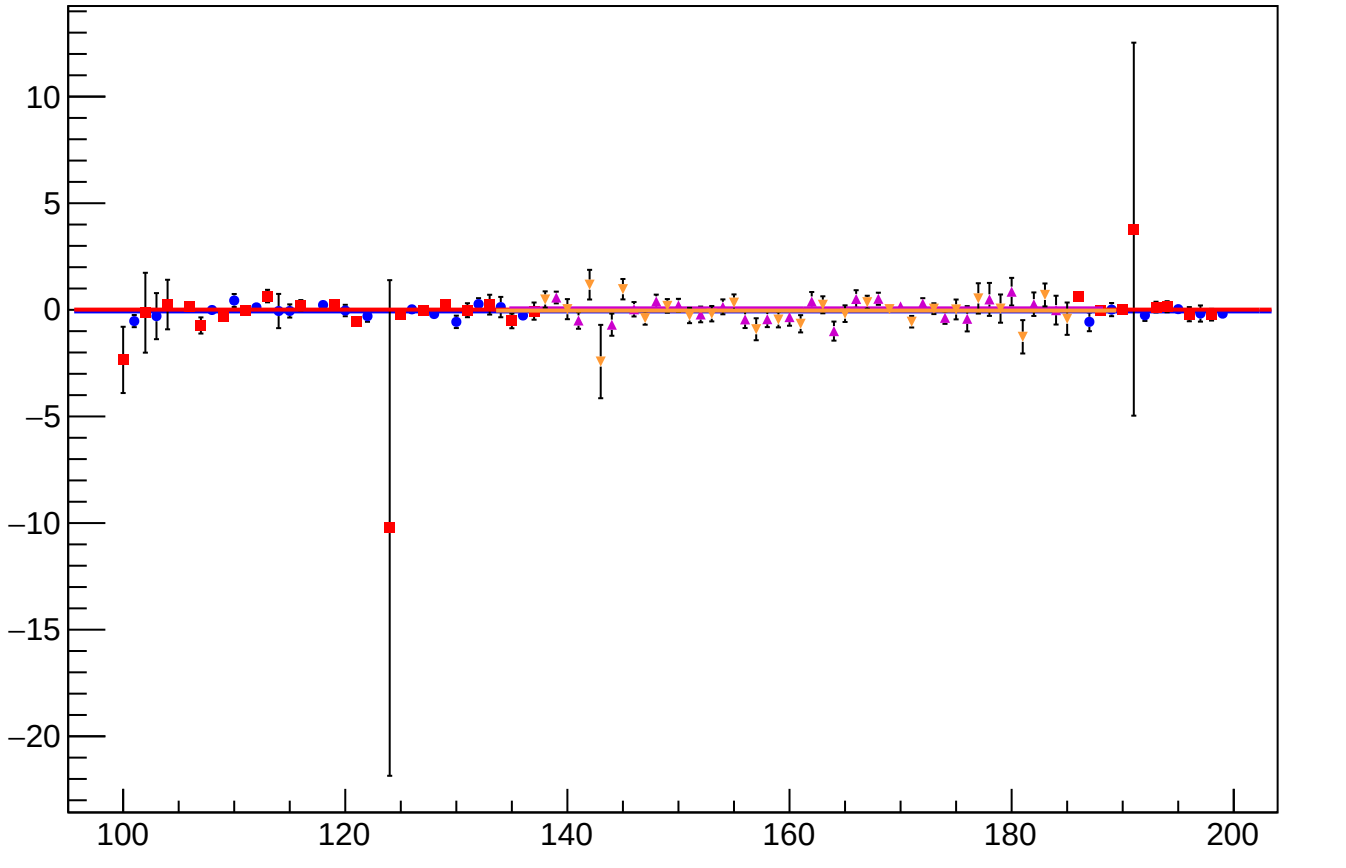
Right Out: 0.008+/-0.000 χ^2/NDF: 4521878.5/26

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 12681795.5/46

All: 0.007+/-0.000 χ^2/NDF: 23754331.5/96

- sign 0.007+/-0.000 χ^2/NDF: 11072167.2/49



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

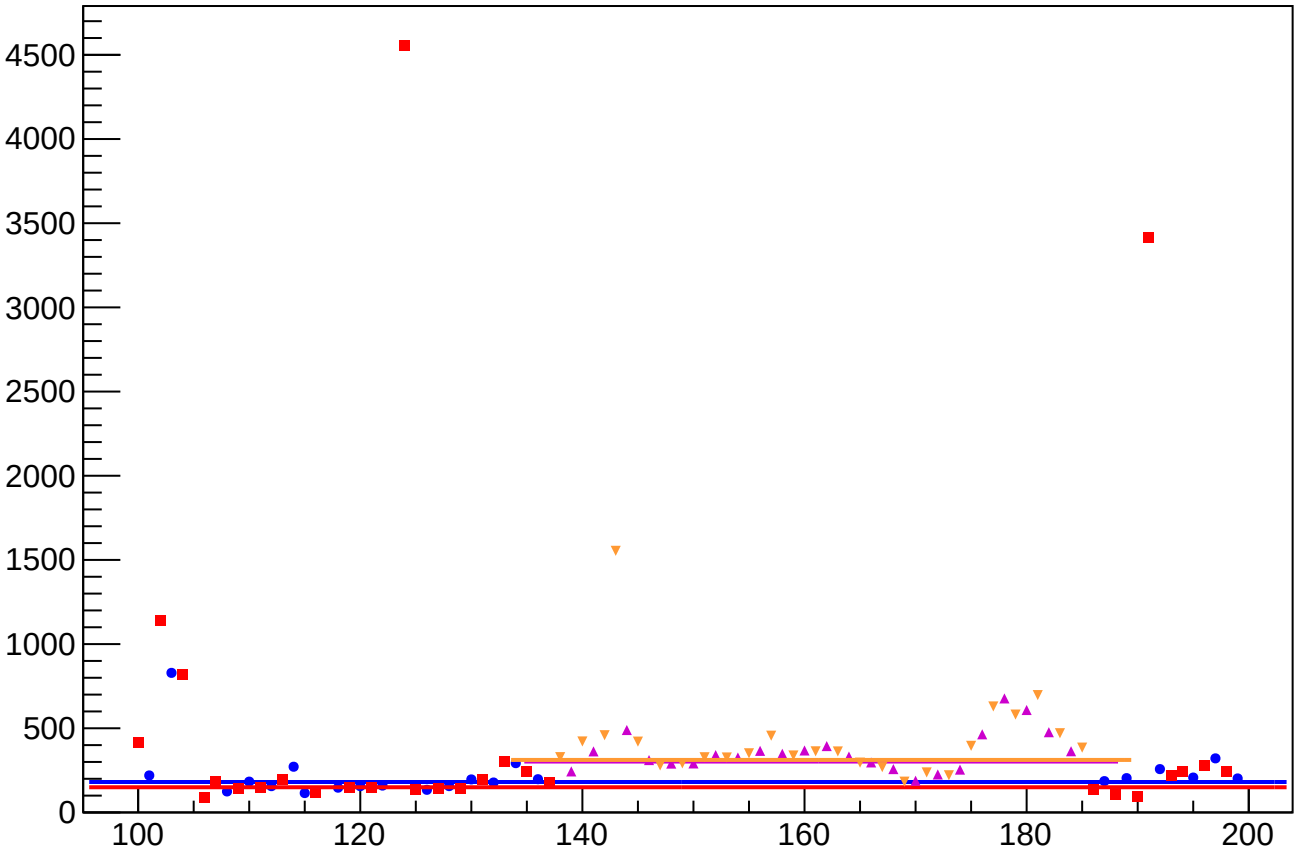
Right Out: 0.011+/-0.048 χ^2/NDF: 37.0/26

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.060+/-0.046 χ^2/NDF: 50.0/46

All: -0.010+/-0.030 χ^2/NDF: 119.4/96

- sign 0.028+/-0.041 χ^2/NDF: 67.4/49



Right In: 180.887+/-0.041 χ^2/NDF: 1872050.1/21

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

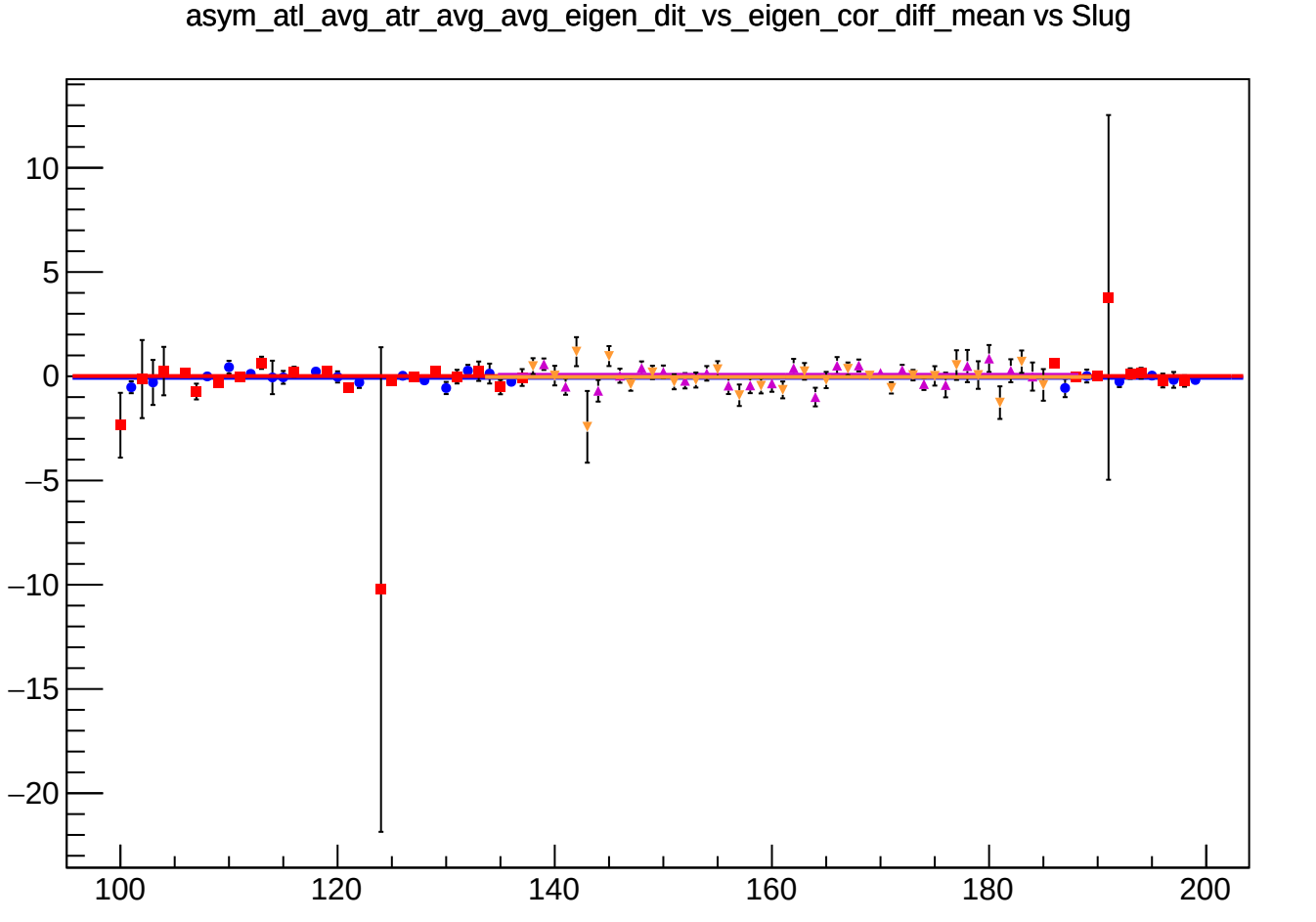
Right Out: 149.694+/-0.034 χ^2/NDF: 4089477.0/26

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 228.173+/-0.033 χ^2/NDF: 9958589.6/46

All: 209.403+/-0.022 χ^2/NDF: 23307296.9/96

- sign 194.753+/-0.029 χ^2/NDF: 12757156.0/49



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

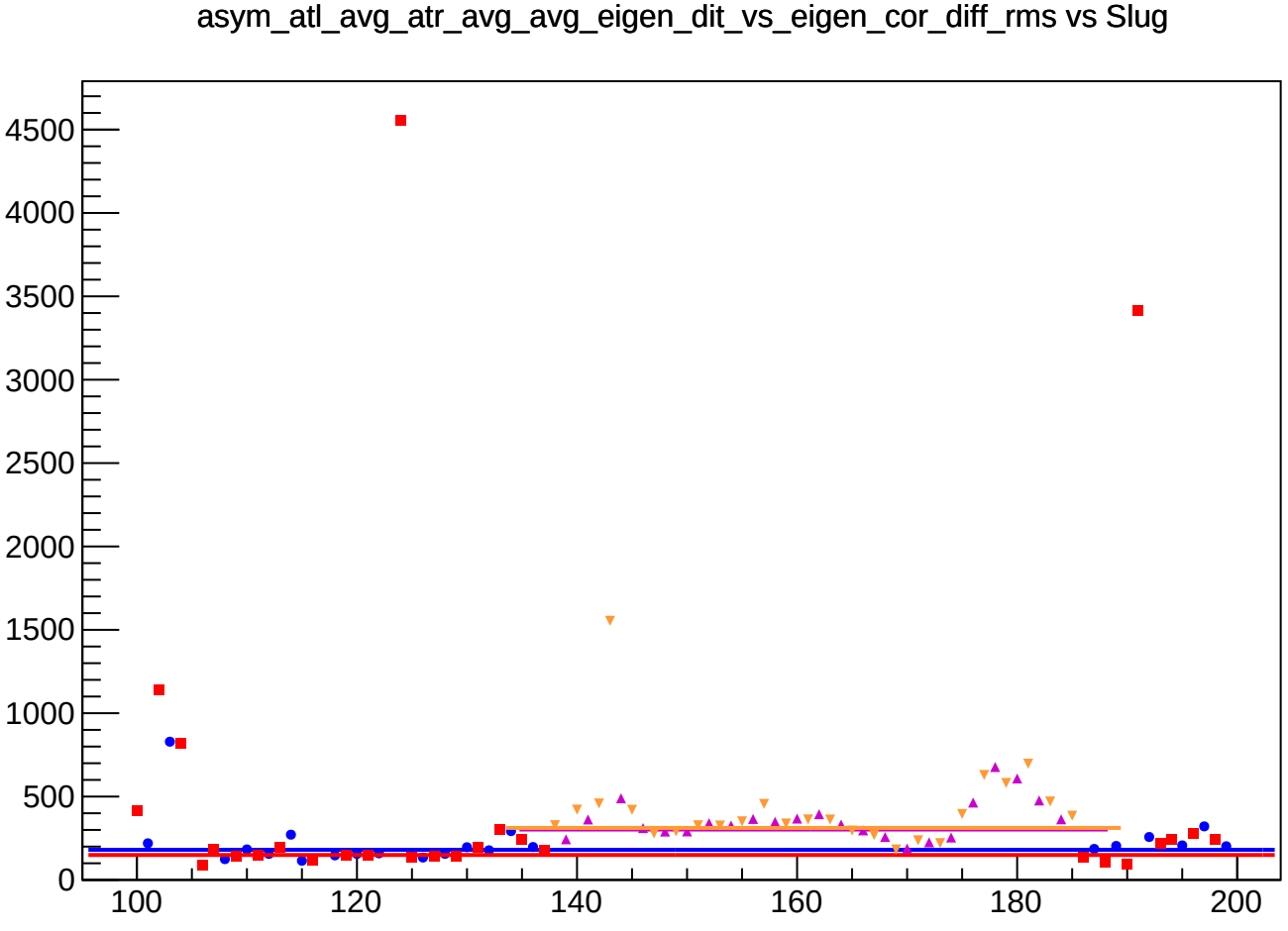
Right Out: 0.011+/-0.048 χ^2/NDF: 37.0/26

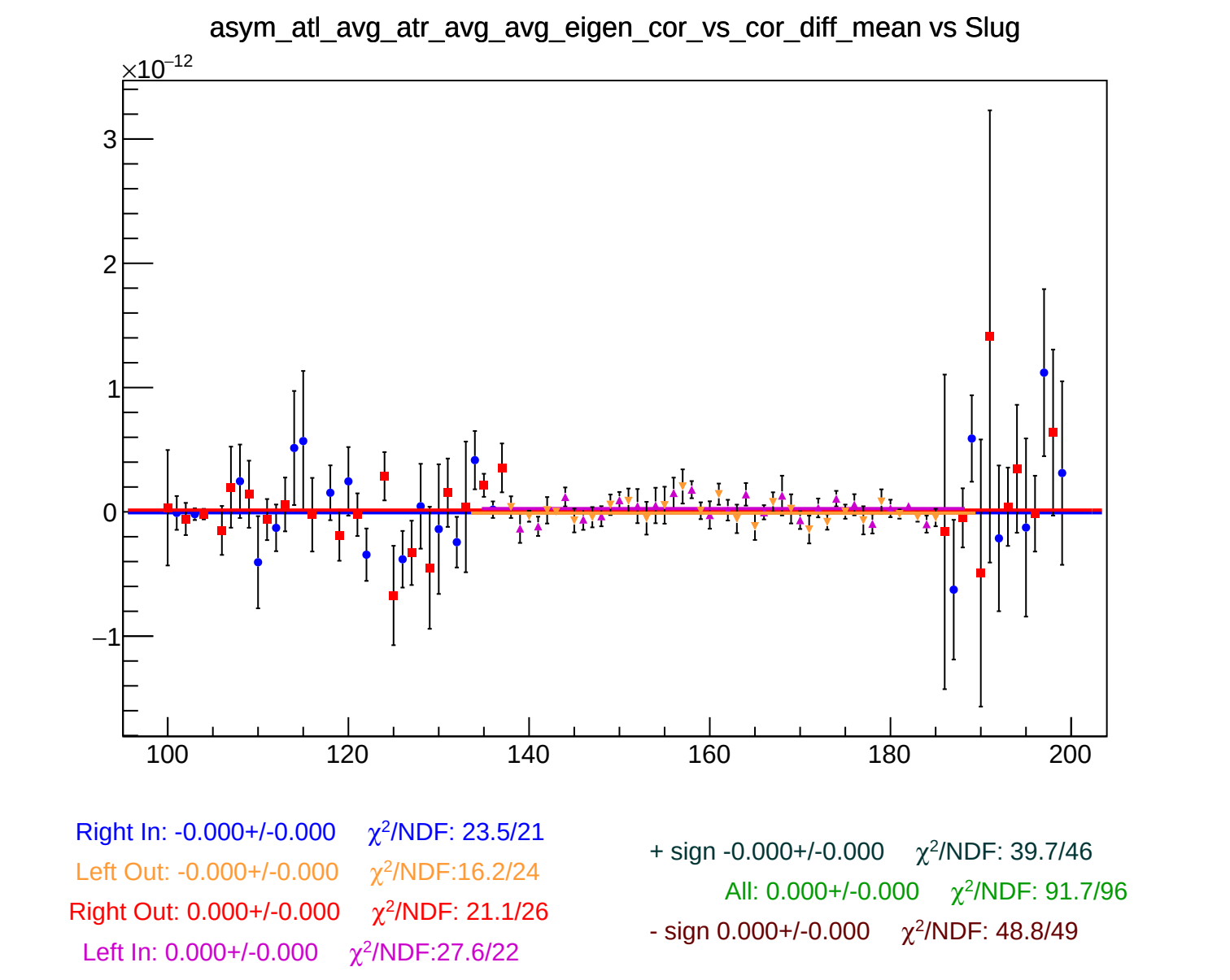
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

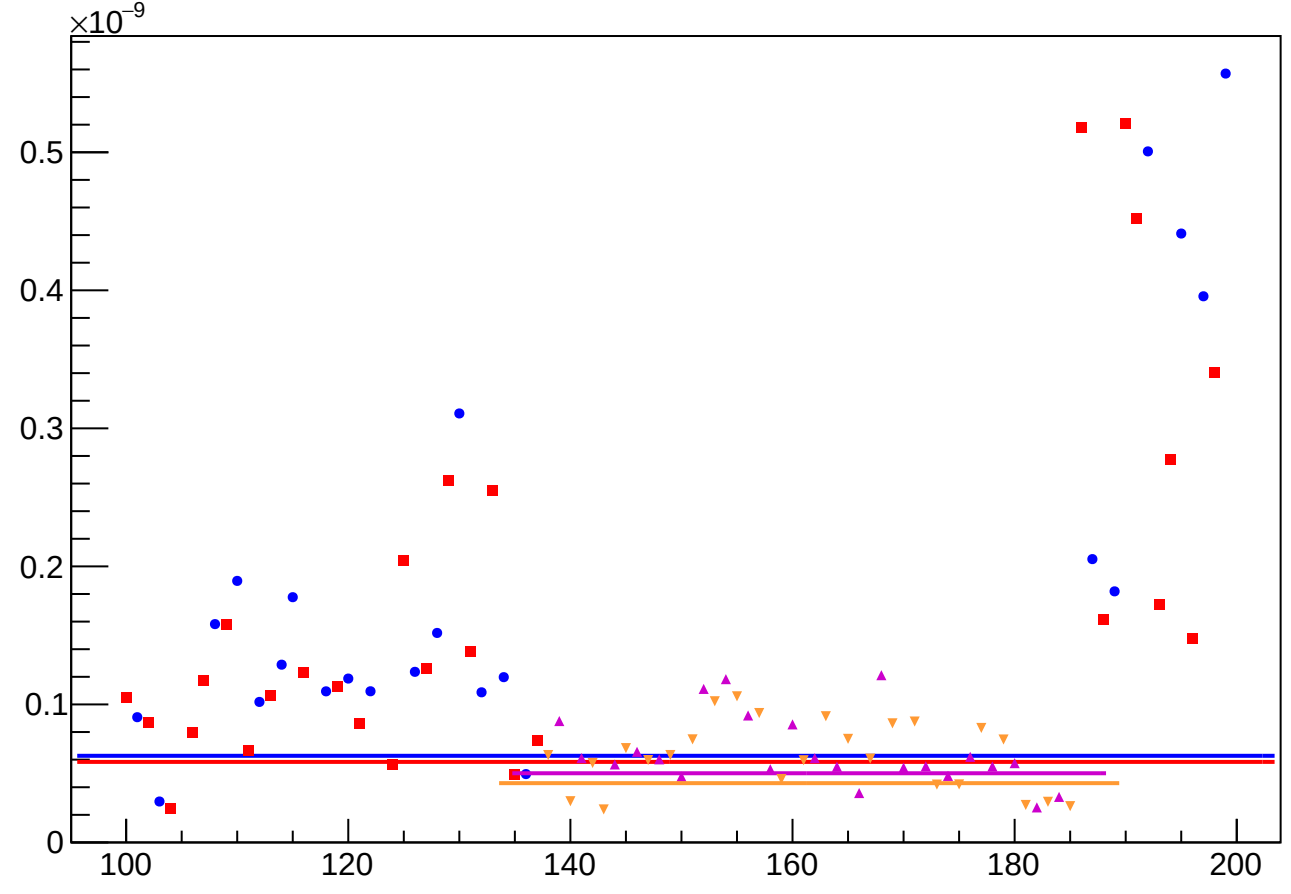
+ sign -0.060+/-0.046 χ^2/NDF: 50.0/46

All: -0.010+/-0.030 χ^2/NDF: 119.4/96

- 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: 180.887+/-0.041 χ²/NDF: 1872050.1/21
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 228.173+/-0.033 χ²/NDF: 9958589.6/46
All: 209.403+/-0.022 χ²/NDF: 23307296.9/96
- 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: 23.5/21
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: 39.7/46
All: 0.000+/-0.000 χ²/NDF: 91.7/96
- sign 0.000+/-0.000 χ²/NDF: 48.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 6461758.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5619623.8/26

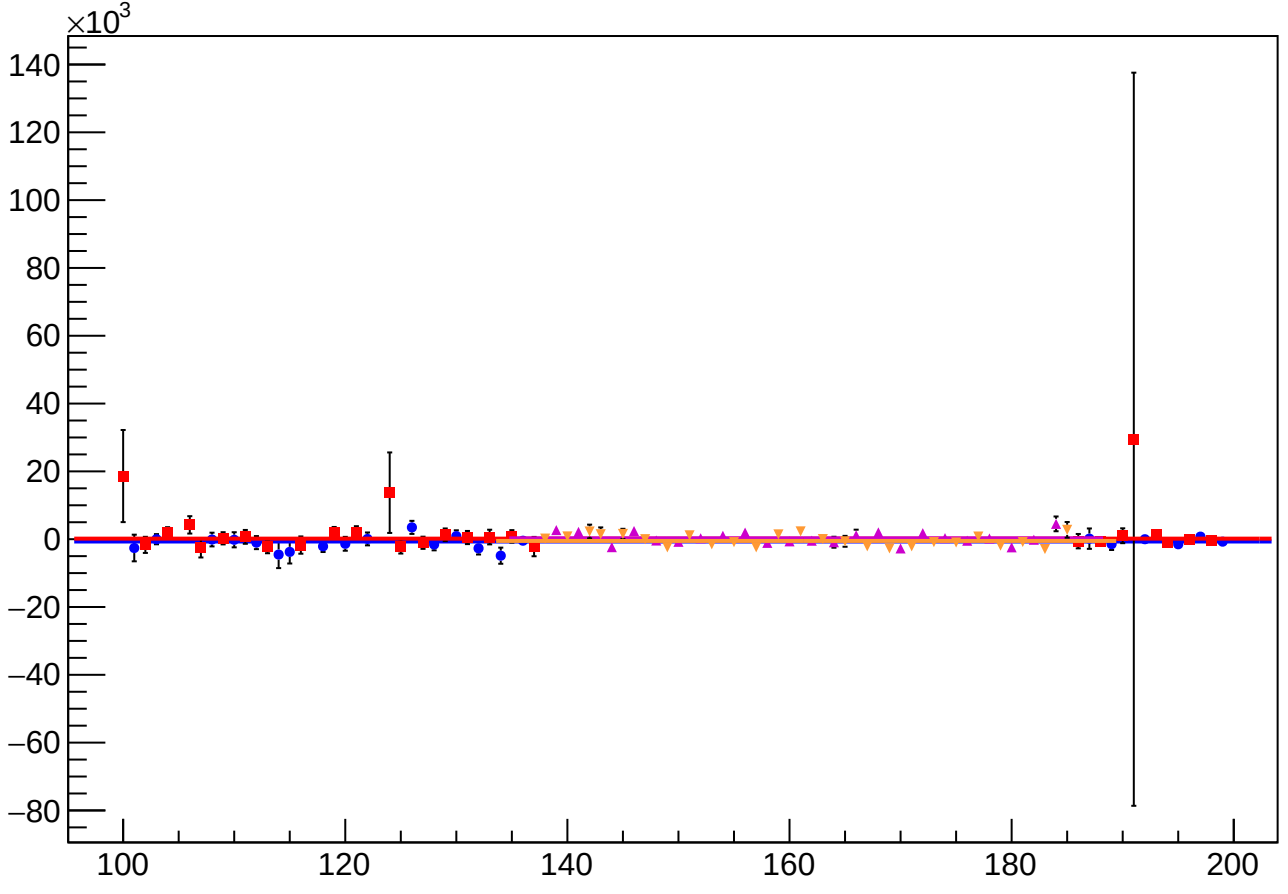
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12169365.0/46

All: 0.000+/-0.000 χ^2/NDF: 21719699.8/96

- sign 0.000+/-0.000 χ^2/NDF: 9345668.4/49

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -681.214+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 161.282+/-371.274 χ^2/NDF: 18.2/26

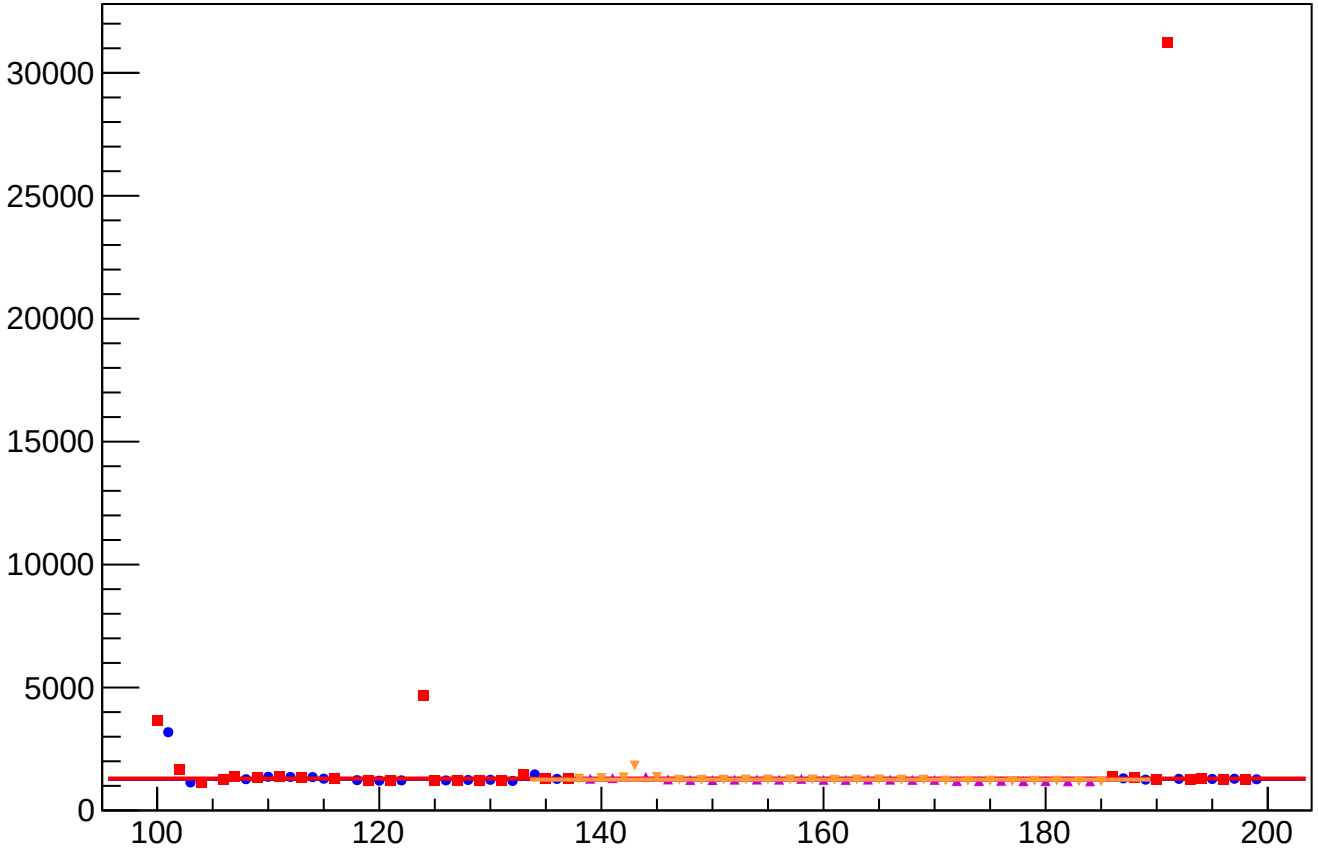
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -574.298+/-228.980 χ^2/NDF: 46.5/46

All: -181.536+/-161.961 χ^2/NDF: 102.6/96

- sign 211.686+/-229.114 χ^2/NDF: 50.2/49

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519291.2/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

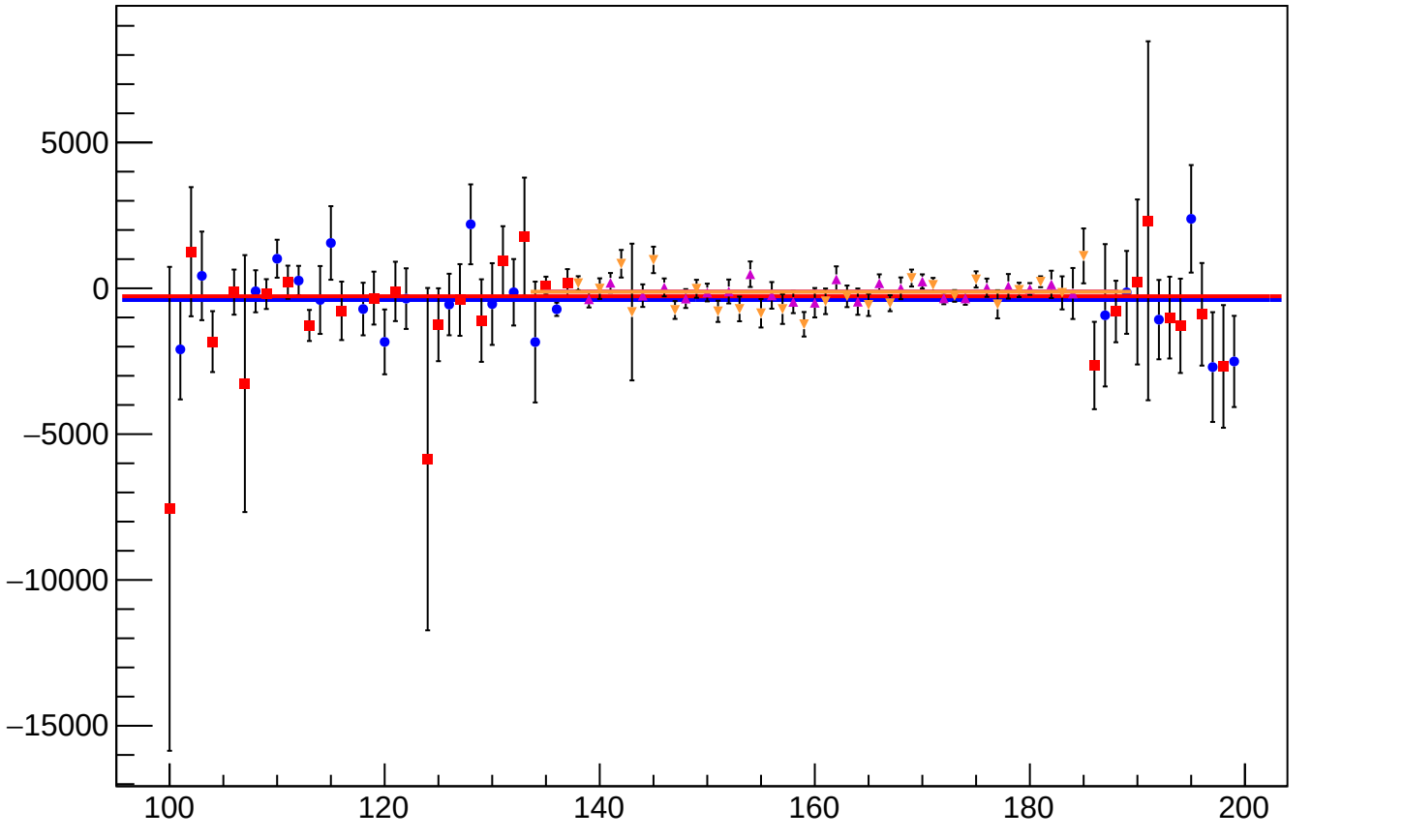
Right Out: 1296.181+/-0.263 χ^2/NDF: 490057.0/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.392+/-0.162 χ^2/NDF: 729068.0/46

All: 1265.360+/-0.115 χ^2/NDF: 1281286.3/96

- sign 1265.329+/-0.162 χ^2/NDF: 552218.2/49



Right In: -400.998+/-163.227 χ^2/NDF: 24.1/21

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -272.421+/-162.841 χ^2/NDF: 20.0/26

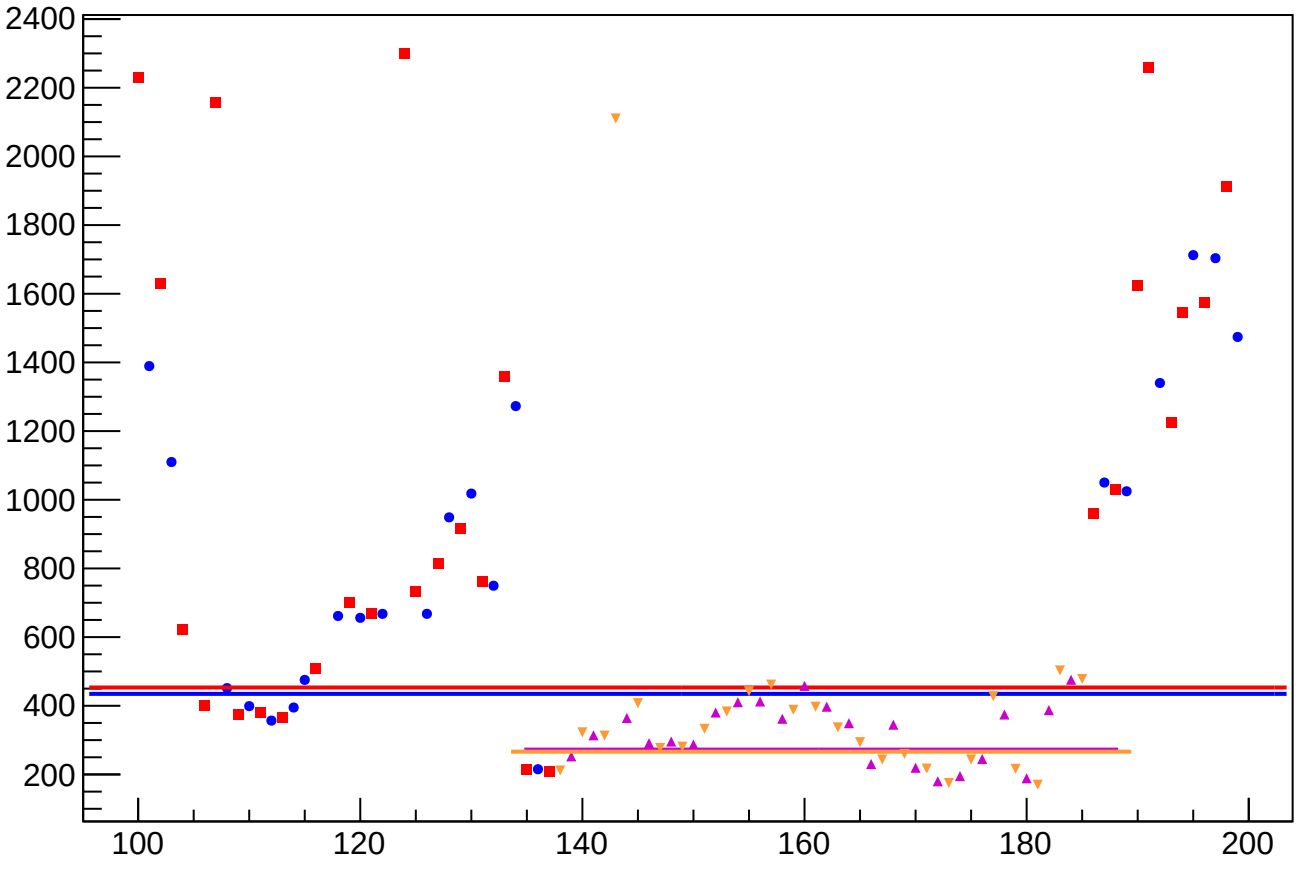
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -155.957+/-60.435 χ^2/NDF: 75.1/46

All: -143.907+/-43.264 χ^2/NDF: 109.8/96

- sign -131.242+/-61.961 χ^2/NDF: 34.6/49

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 434.701+/-0.115 χ^2/NDF: 8536607.4/21

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 453.268+/-0.115 χ^2/NDF: 9033080.8/26

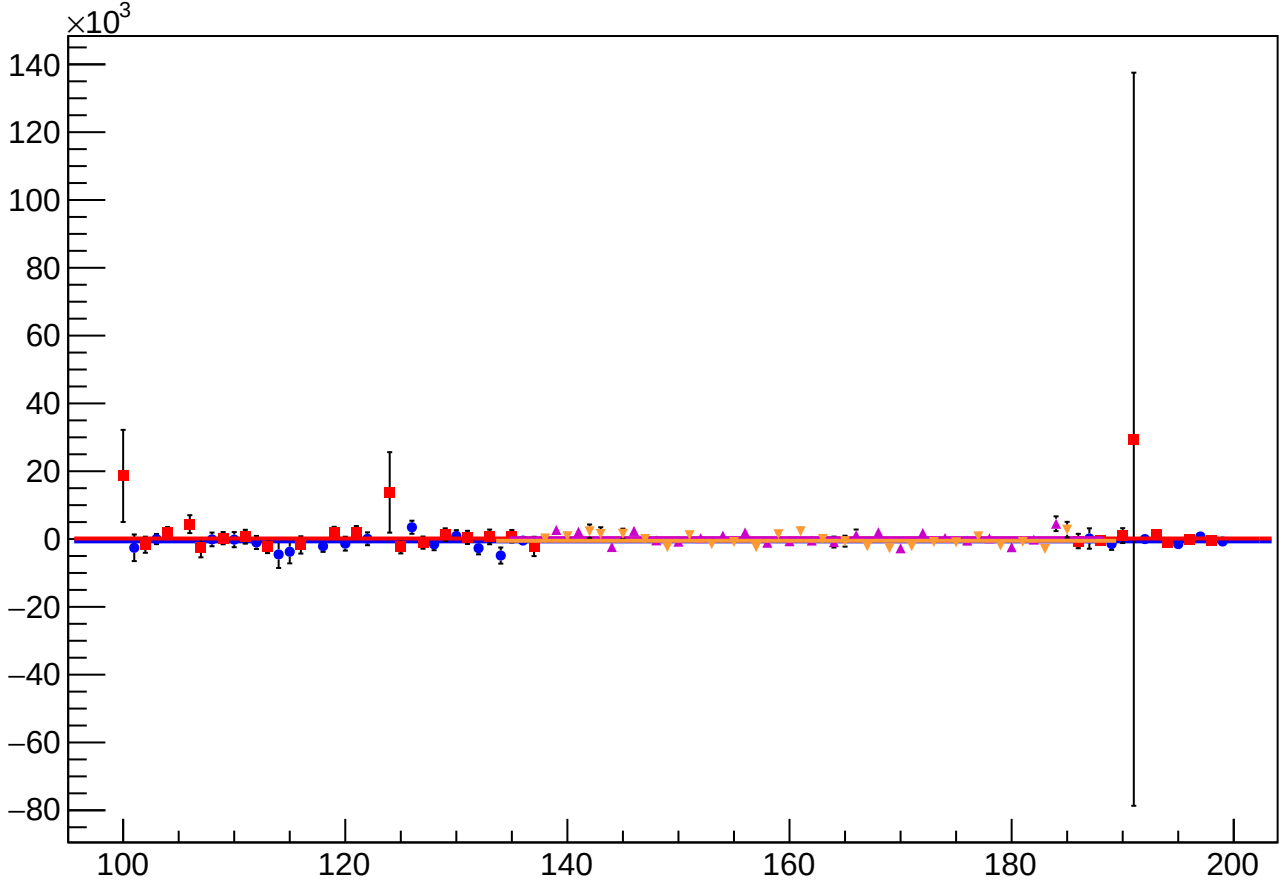
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 289.403+/-0.043 χ^2/NDF: 15003249.4/46

All: 293.867+/-0.031 χ^2/NDF: 29057383.5/96

- sign 298.559+/-0.044 χ^2/NDF: 14031756.9/49

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 159.506+/-371.507 χ^2/NDF: 18.2/26

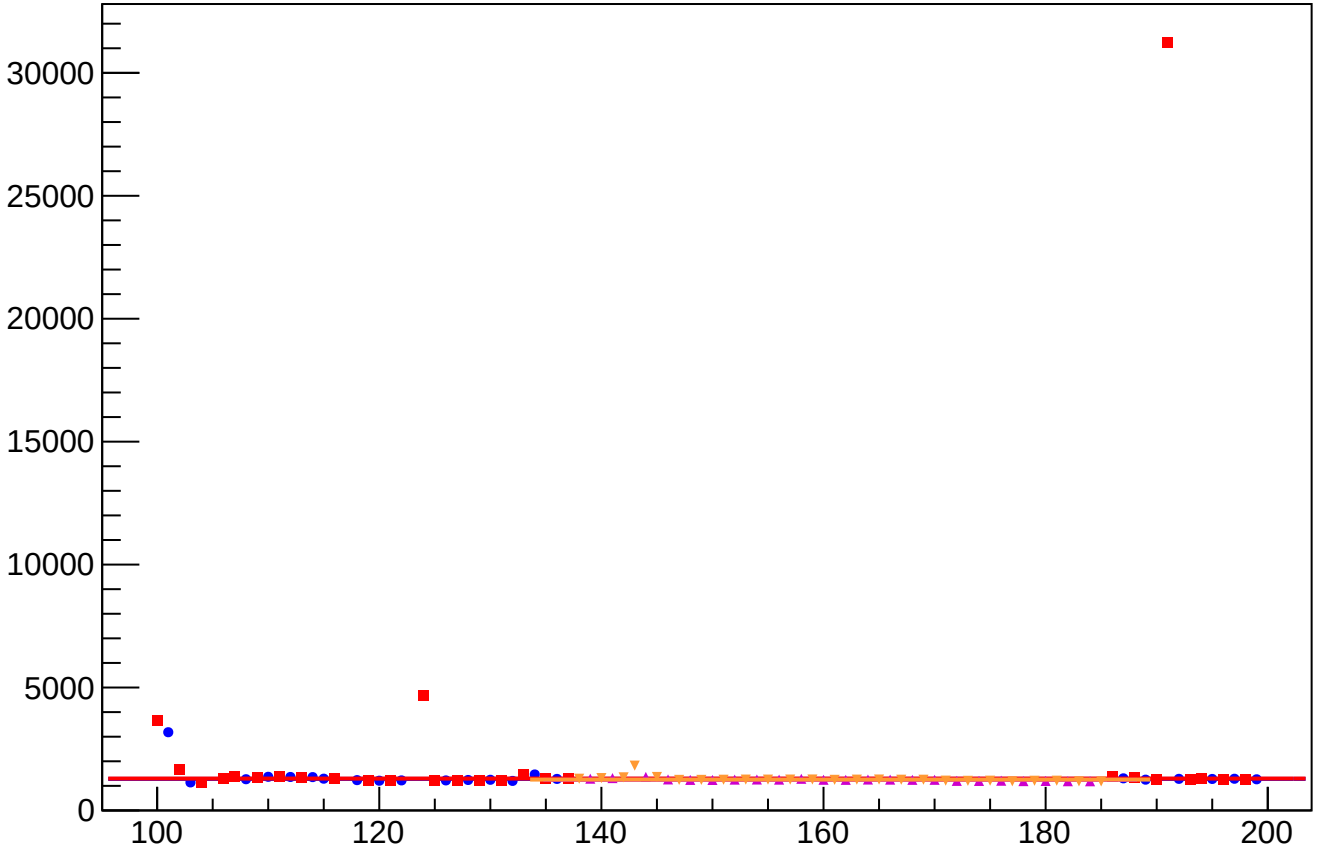
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -574.188+/-228.980 χ^2/NDF: 46.5/46

All: -181.908+/-161.980 χ^2/NDF: 102.6/96

- sign 211.020+/-229.169 χ^2/NDF: 50.3/49

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

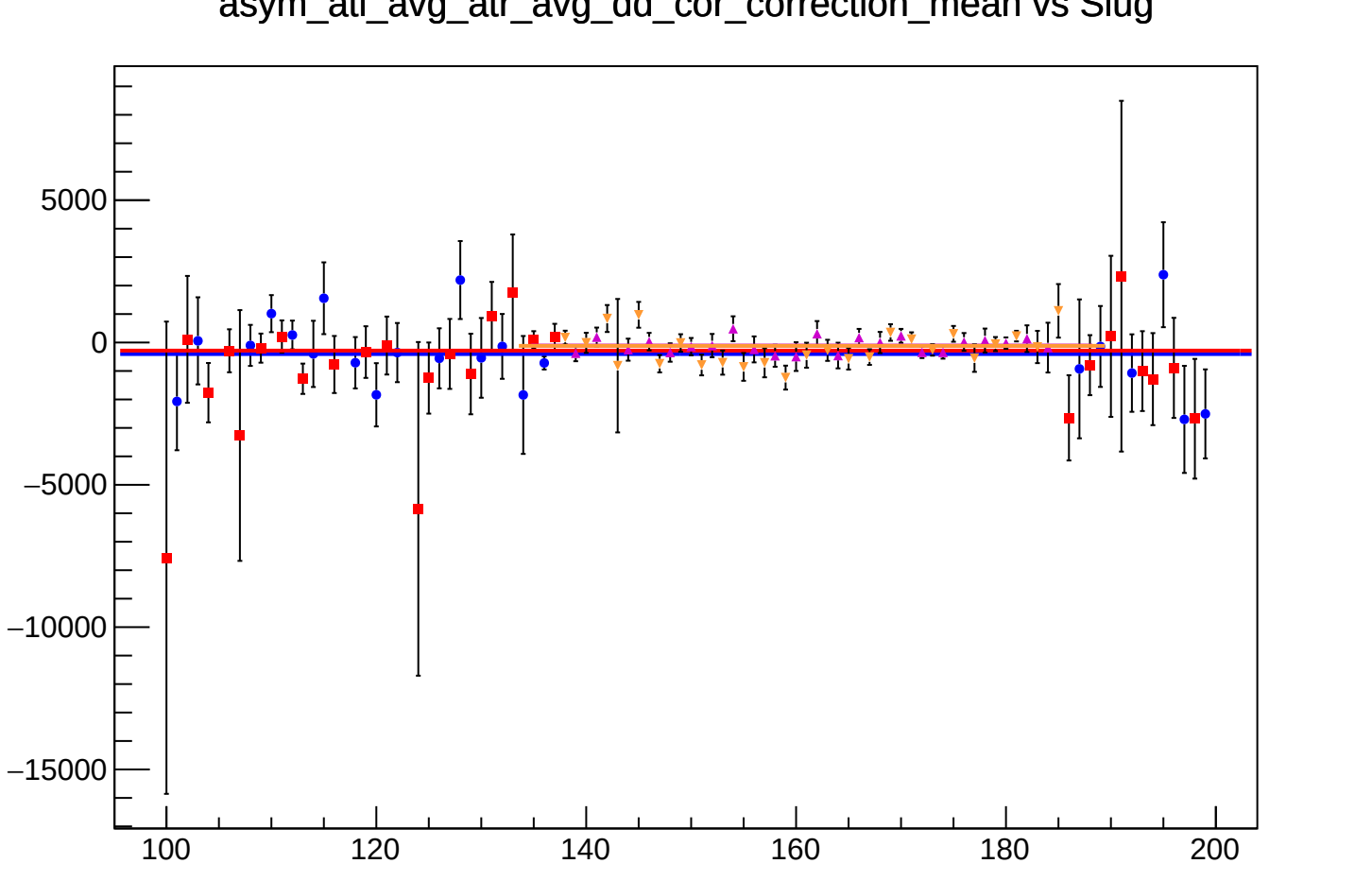
Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.392+/-0.162 χ^2/NDF: 729069.4/46

All: 1265.514+/-0.115 χ^2/NDF: 1281708.8/96

- sign 1265.637+/-0.162 χ^2/NDF: 552638.3/49



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

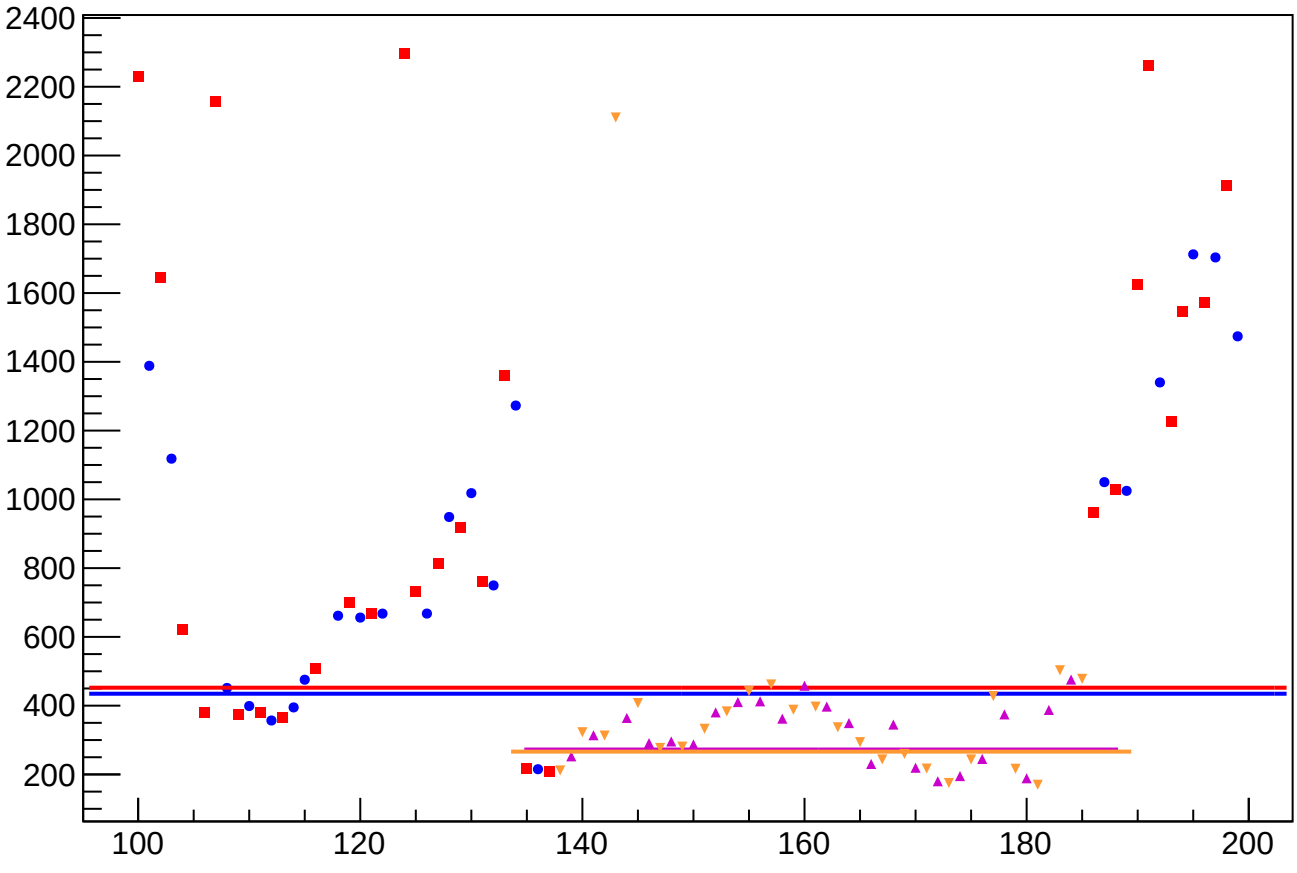
Right Out: -284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -156.503+/-60.437 χ^2/NDF: 75.0/46

All: -145.105+/-43.261 χ^2/NDF: 109.1/96

- sign -133.128+/-61.953 χ^2/NDF: 34.0/49



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

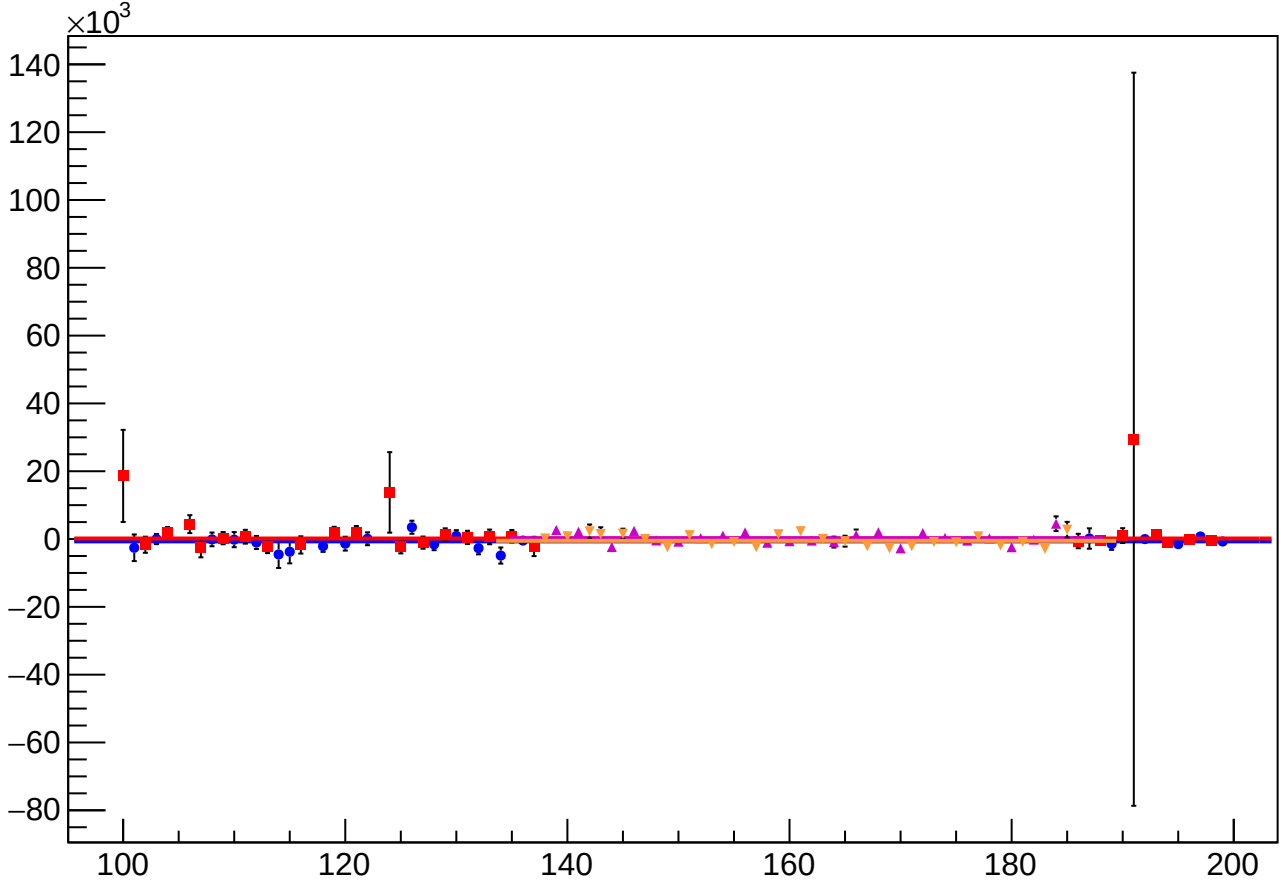
Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 289.405+/-0.043 χ^2/NDF: 15006069.5/46

All: 293.825+/-0.031 χ^2/NDF: 29055038.3/96

- sign 298.469+/-0.044 χ^2/NDF: 14027034.8/49



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 159.506+/-371.507 χ^2/NDF: 18.2/26

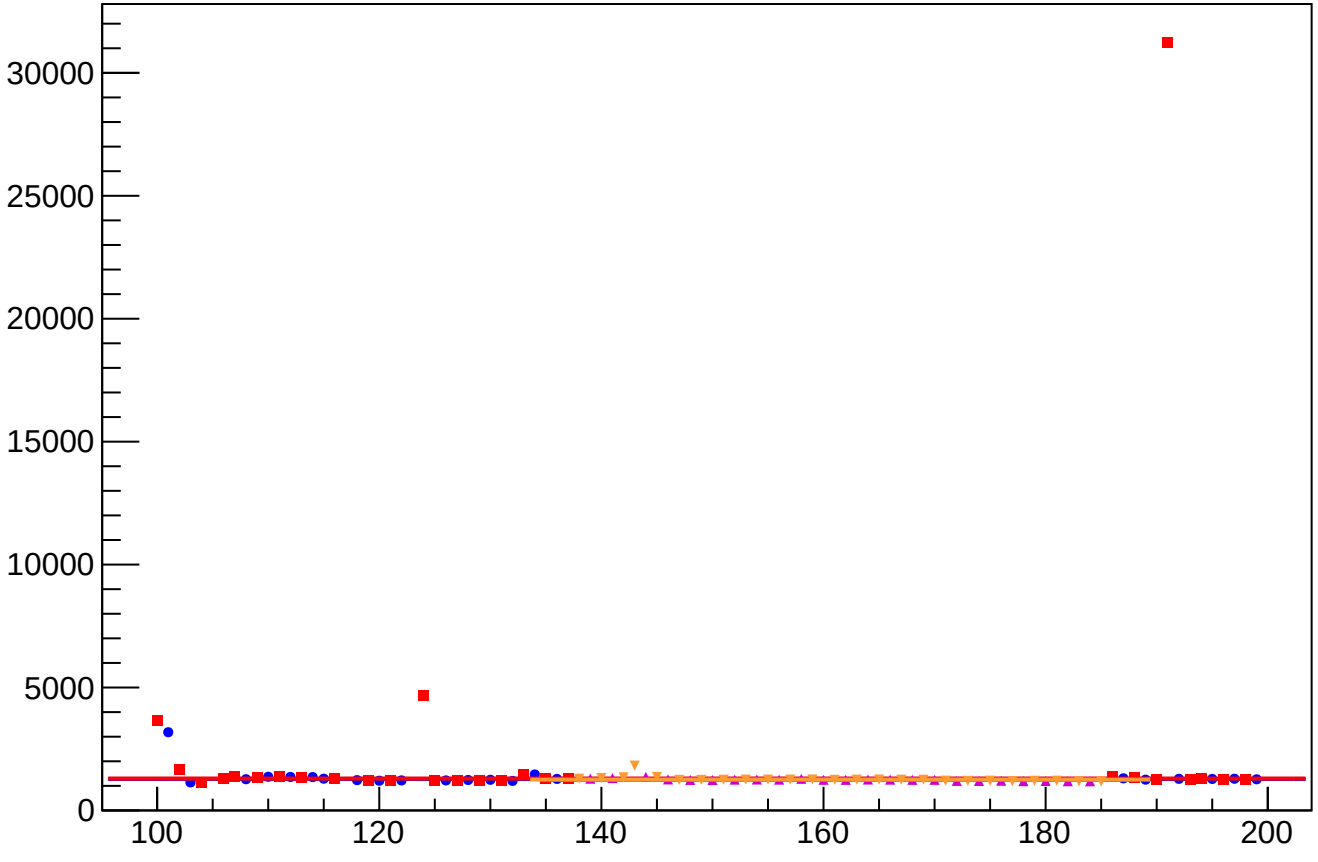
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -574.188+/-228.980 χ^2/NDF: 46.5/46

All: -181.908+/-161.980 χ^2/NDF: 102.6/96

- sign 211.020+/-229.169 χ^2/NDF: 50.3/49

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

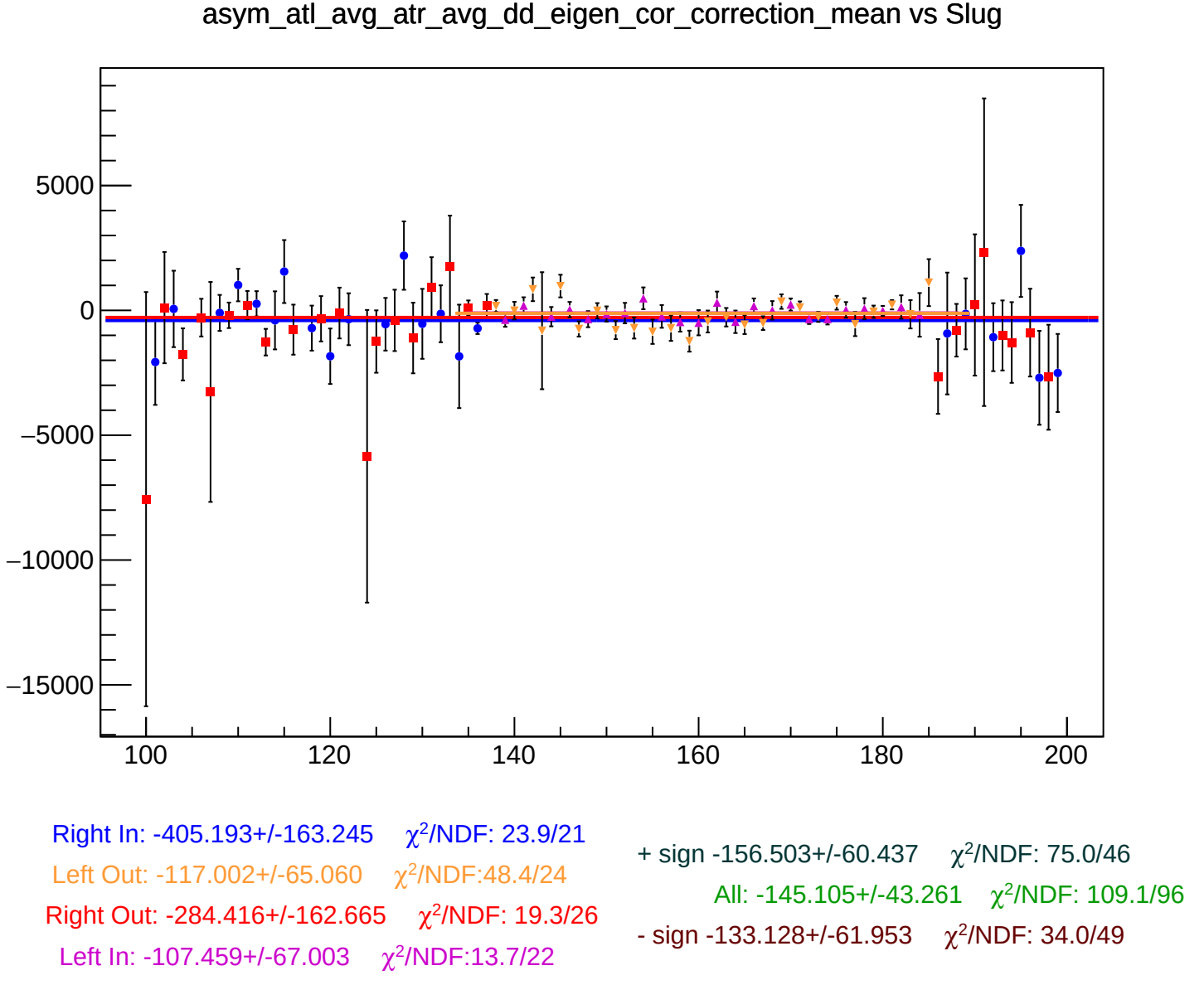
Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

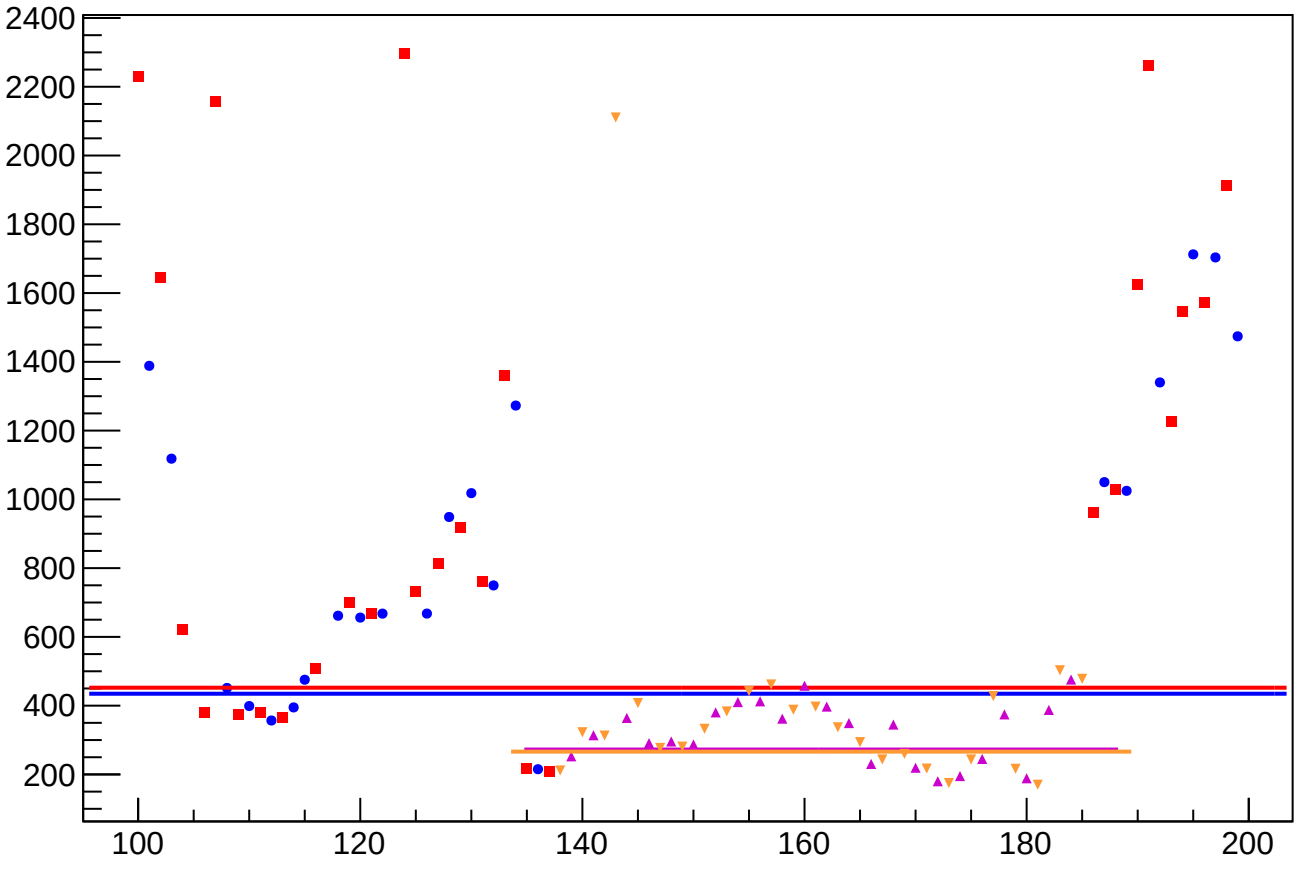
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

\+ sign 1265.392+/-0.162 χ^2/NDF: 729069.4/46

All: 1265.514+/-0.115 χ^2/NDF: 1281708.8/96

\- sign 1265.637+/-0.162 χ^2/NDF: 552638.3/49


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -405.193+/-163.245 χ²/NDF: 23.9/21
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
+ sign -156.503+/-60.437 χ²/NDF: 75.0/46
All: -145.105+/-43.261 χ²/NDF: 109.1/96
- sign -133.128+/-61.953 χ²/NDF: 34.0/49



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

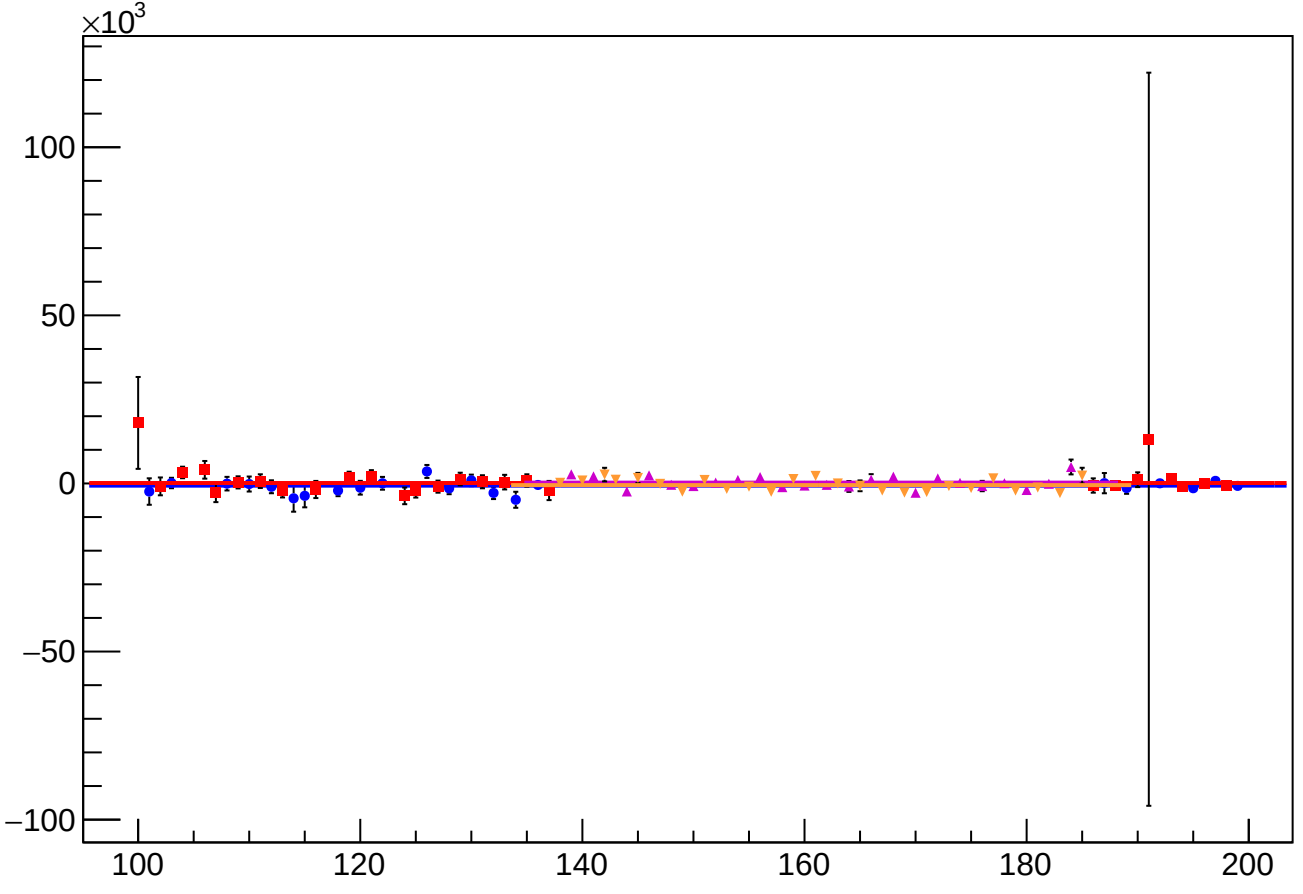
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 289.405+/-0.043 χ^2/NDF: 15006069.5/46

All: 293.825+/-0.031 χ^2/NDF: 29055038.3/96

- sign 298.469+/-0.044 χ^2/NDF: 14027034.8/49

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -650.452+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 130.149+/-370.156 χ^2/NDF: 20.1/26

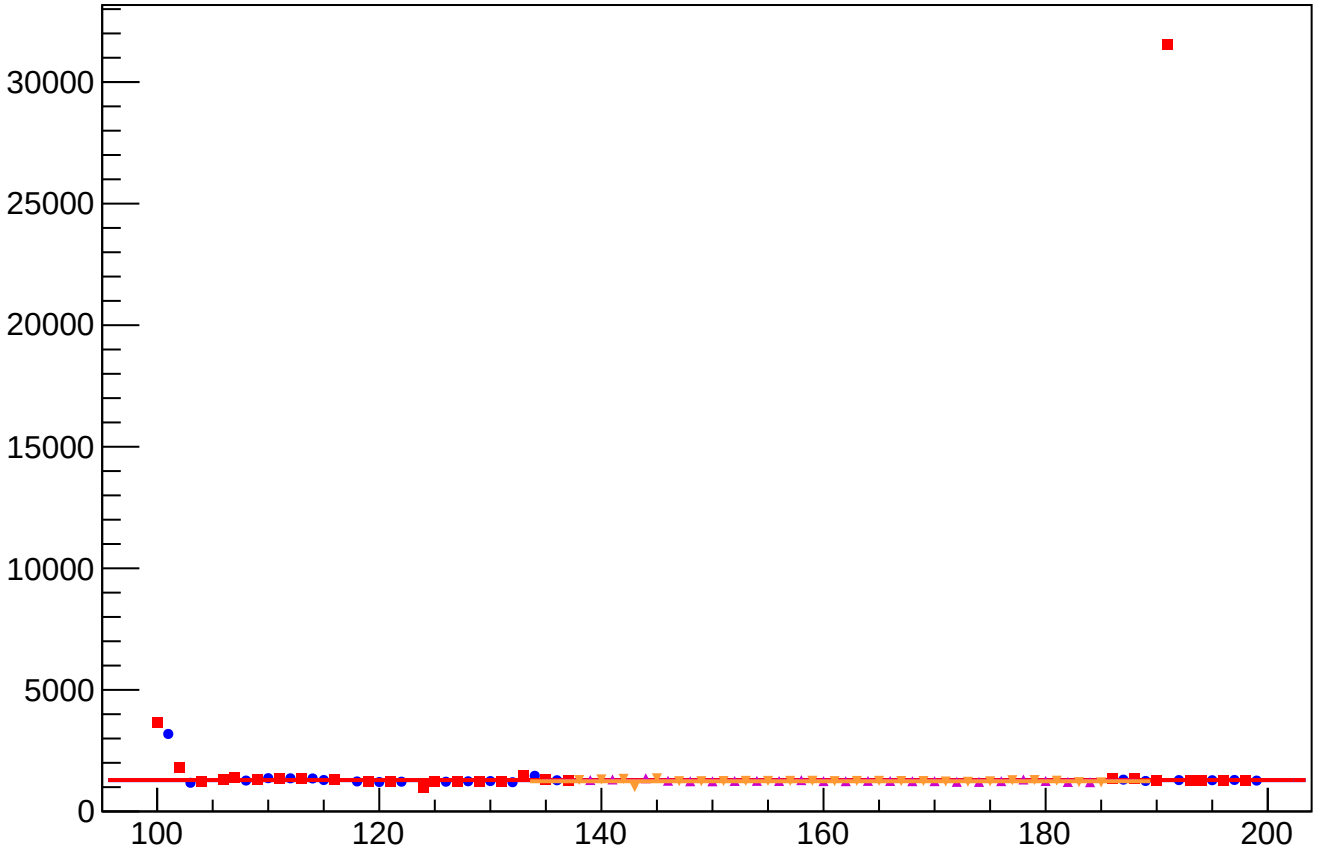
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -548.684+/-227.621 χ^2/NDF: 49.8/46

All: -179.510+/-161.919 χ^2/NDF: 106.0/96

- sign 198.674+/-230.381 χ^2/NDF: 50.9/49

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

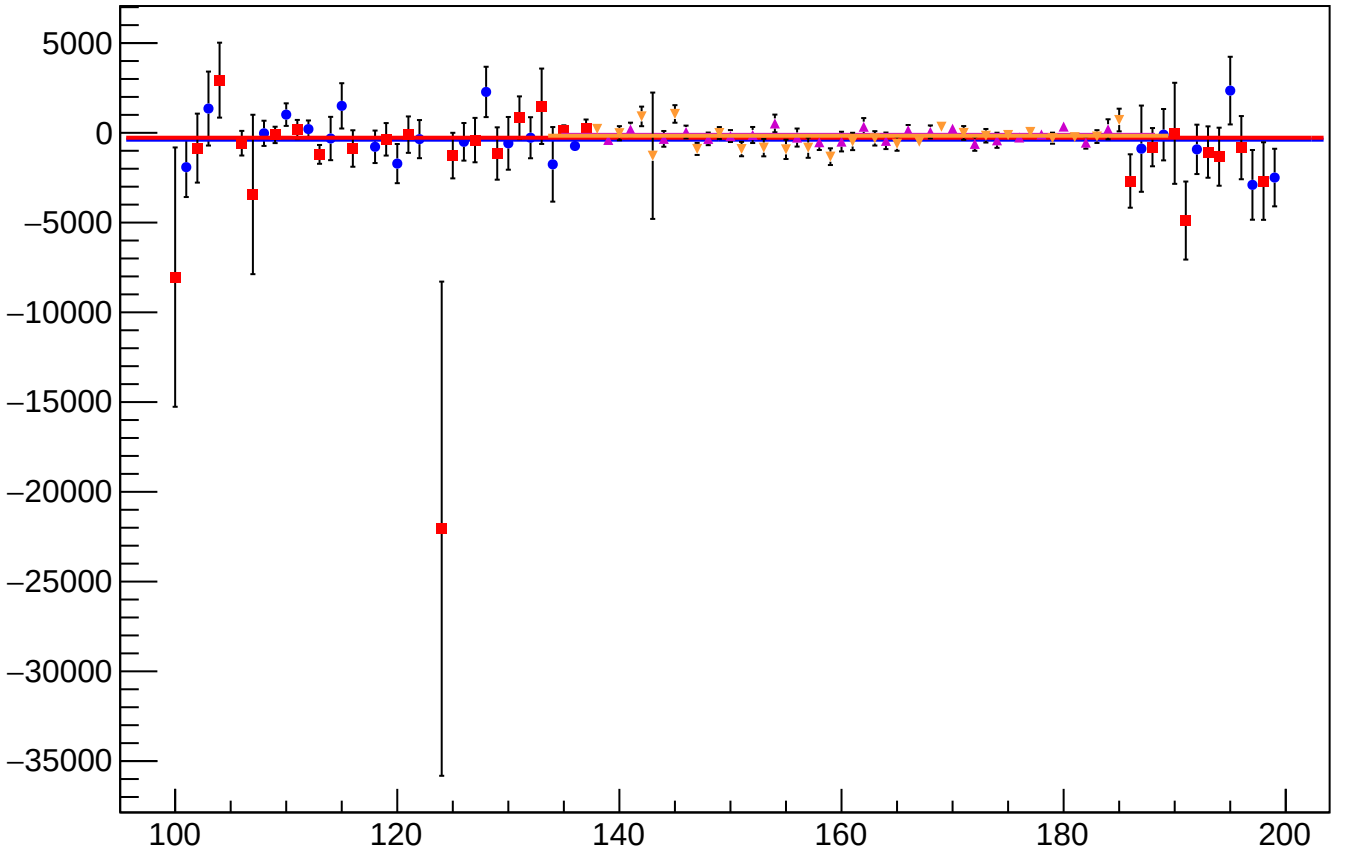
Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.4/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.537+/-0.161 χ^2/NDF: 659071.0/46

All: 1265.523+/-0.114 χ^2/NDF: 1072489.9/96

- sign 1272.680+/-0.163 χ^2/NDF: 409604.6/49



Right In: -382.742+/-164.981 χ^2/NDF: 24.2/21

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: -272.734+/-162.612 χ^2/NDF: 25.8/26

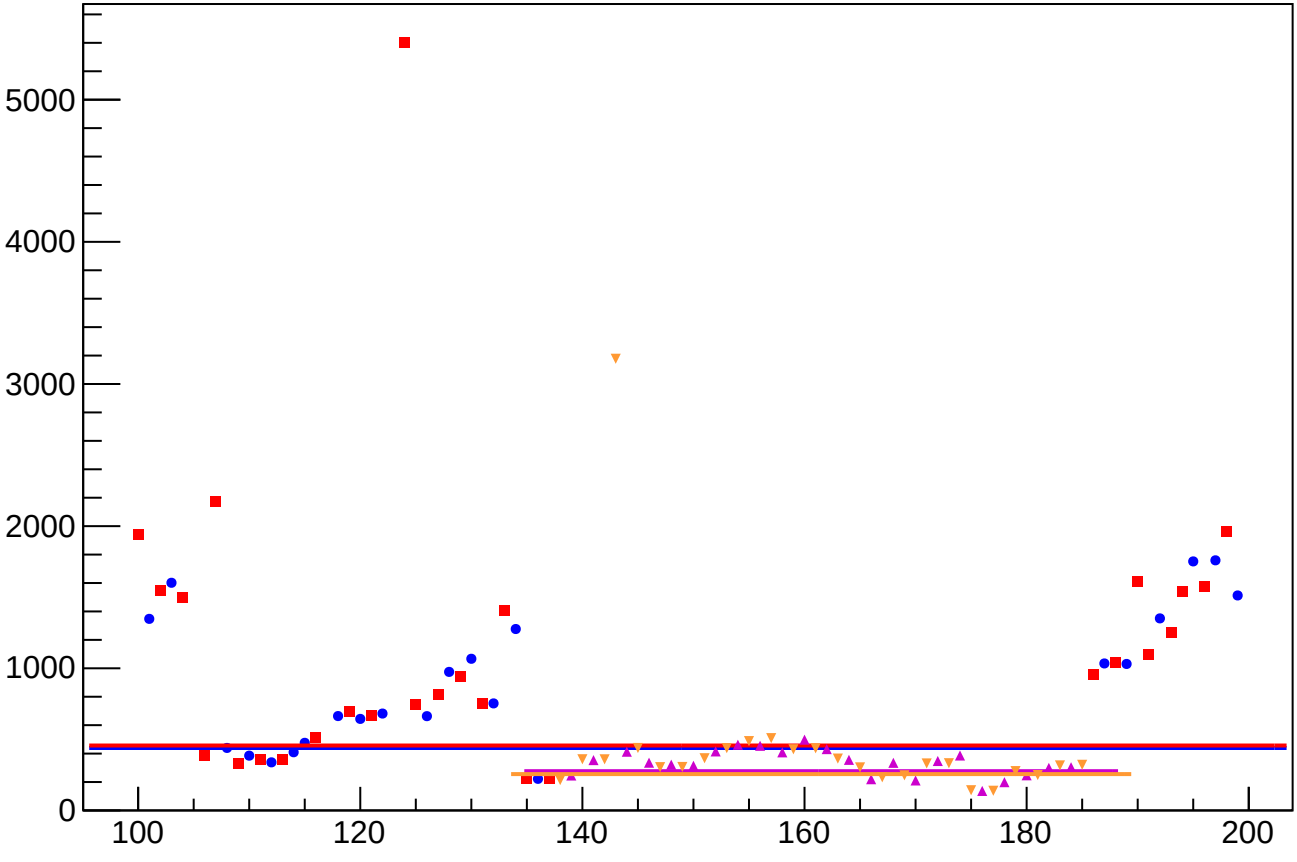
Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -190.047+/-59.775 χ^2/NDF: 69.5/46

All: -165.499+/-43.490 χ^2/NDF: 114.7/96

\- sign -137.888+/-63.394 χ^2/NDF: 44.8/49

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 439.420+/-0.117 χ^2/NDF: 8682969.7/21

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 456.865+/-0.115 χ^2/NDF: 9557914.2/26

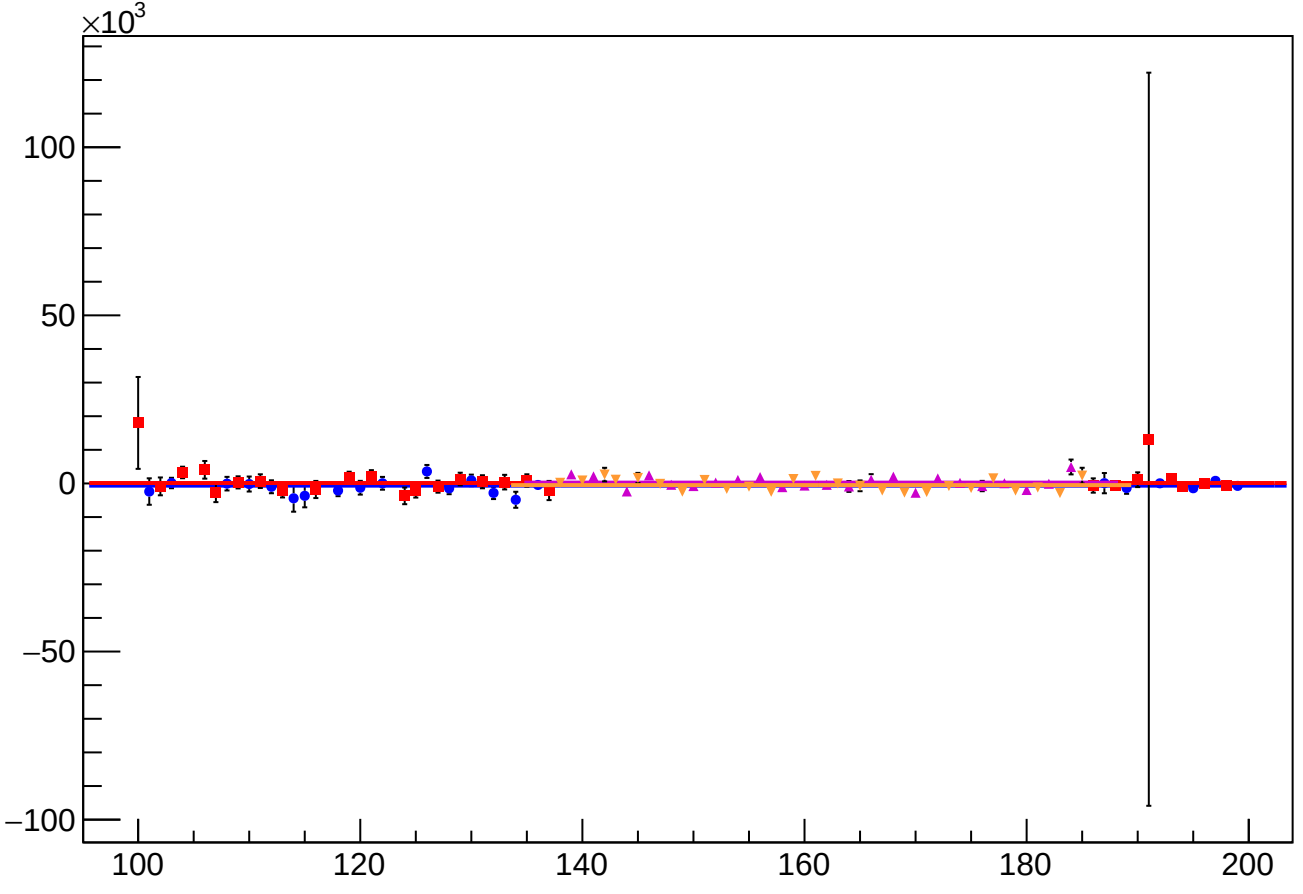
Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 279.877+/-0.042 χ^2/NDF: 17209863.3/46

All: 291.108+/-0.031 χ^2/NDF: 33036461.3/96

- sign 303.741+/-0.045 χ^2/NDF: 15676566.7/49

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -650.455+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 130.148+/-370.155 χ^2/NDF: 20.1/26

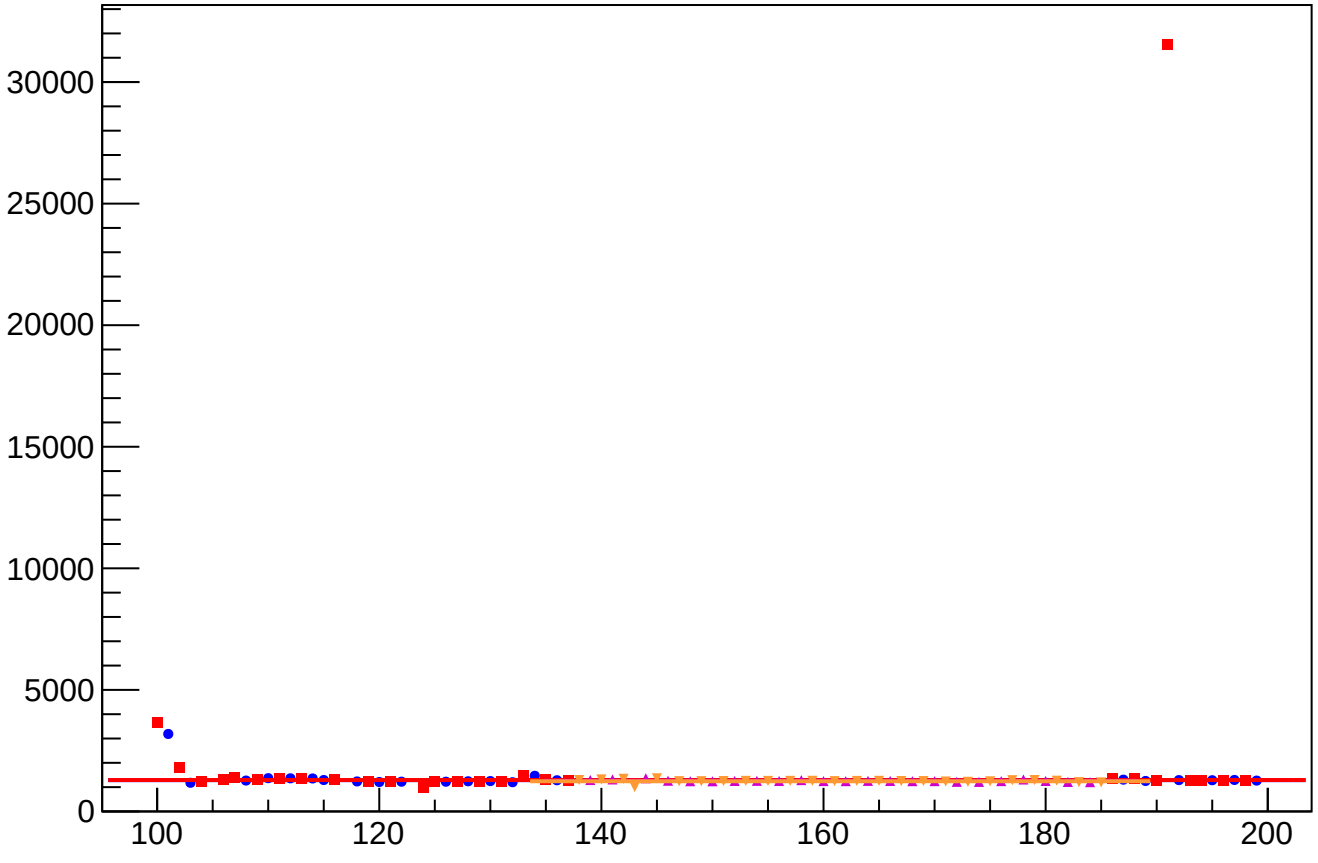
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -548.685+/-227.621 χ^2/NDF: 49.8/46

All: -179.510+/-161.919 χ^2/NDF: 106.0/96

- sign 198.674+/-230.381 χ^2/NDF: 50.9/49

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

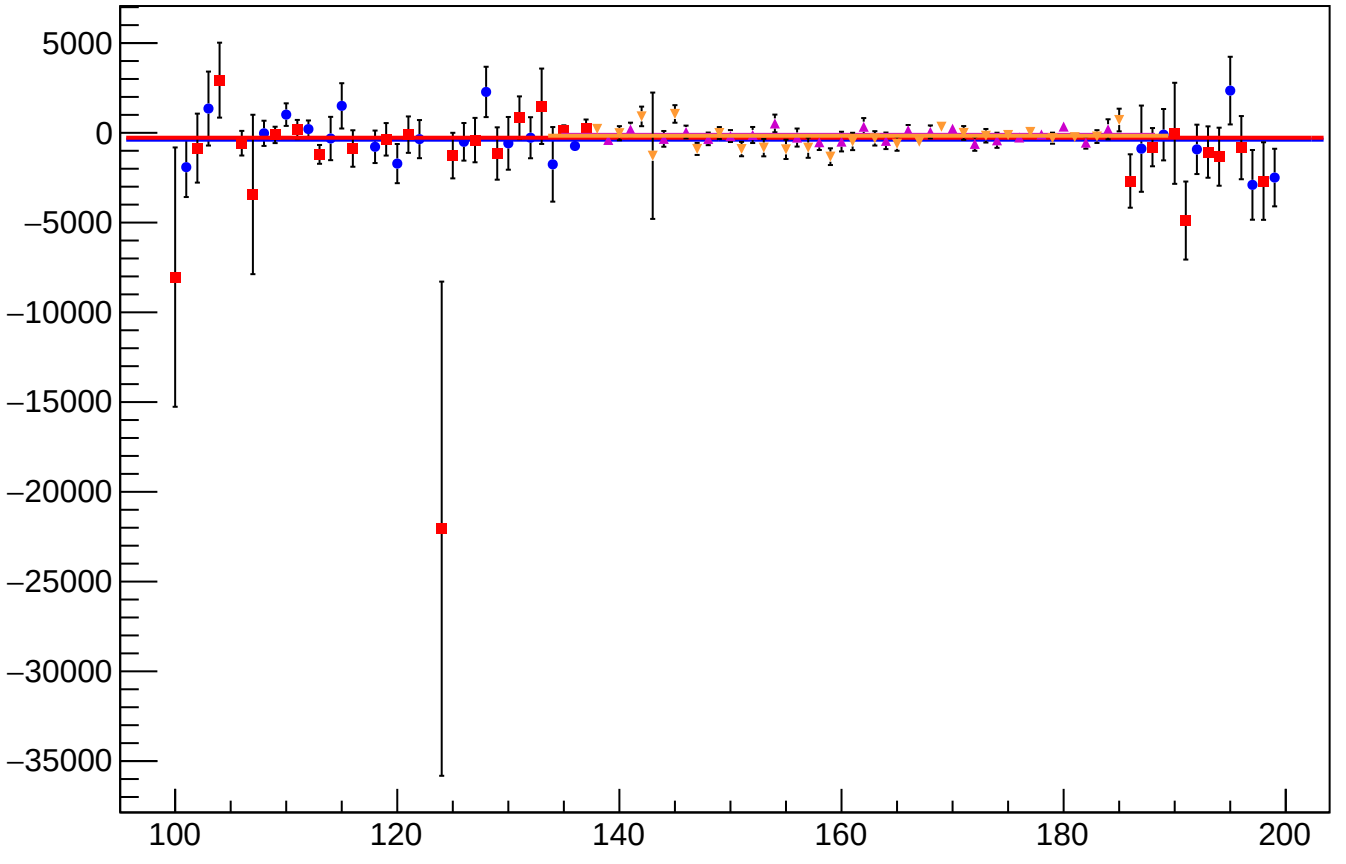
Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.6/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.537+/-0.161 χ^2/NDF: 659070.0/46

All: 1265.523+/-0.114 χ^2/NDF: 1072489.3/96

- sign 1272.680+/-0.163 χ^2/NDF: 409604.9/49



Right In: -382.743+/-164.984 χ^2/NDF: 24.2/21

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

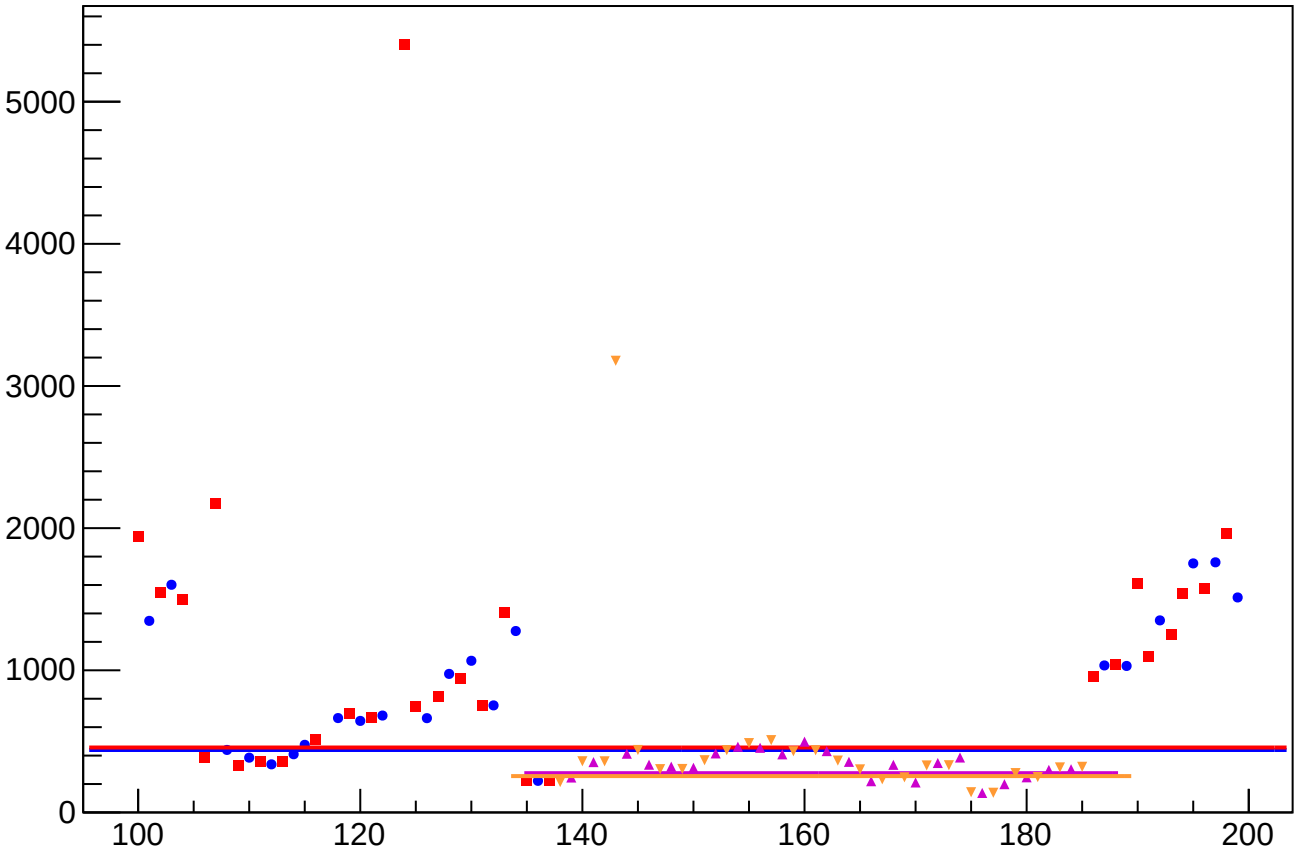
Right Out: -272.742+/-162.614 χ^2/NDF: 25.8/26

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

\+ sign -190.050+/-59.776 χ^2/NDF: 69.5/46

All: -165.500+/-43.491 χ^2/NDF: 114.7/96

\- sign -137.888+/-63.394 χ^2/NDF: 44.8/49



Right In: 439.432+/-0.117 χ^2/NDF: 8682700.6/21

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 456.874+/-0.115 χ^2/NDF: 9557684.8/26

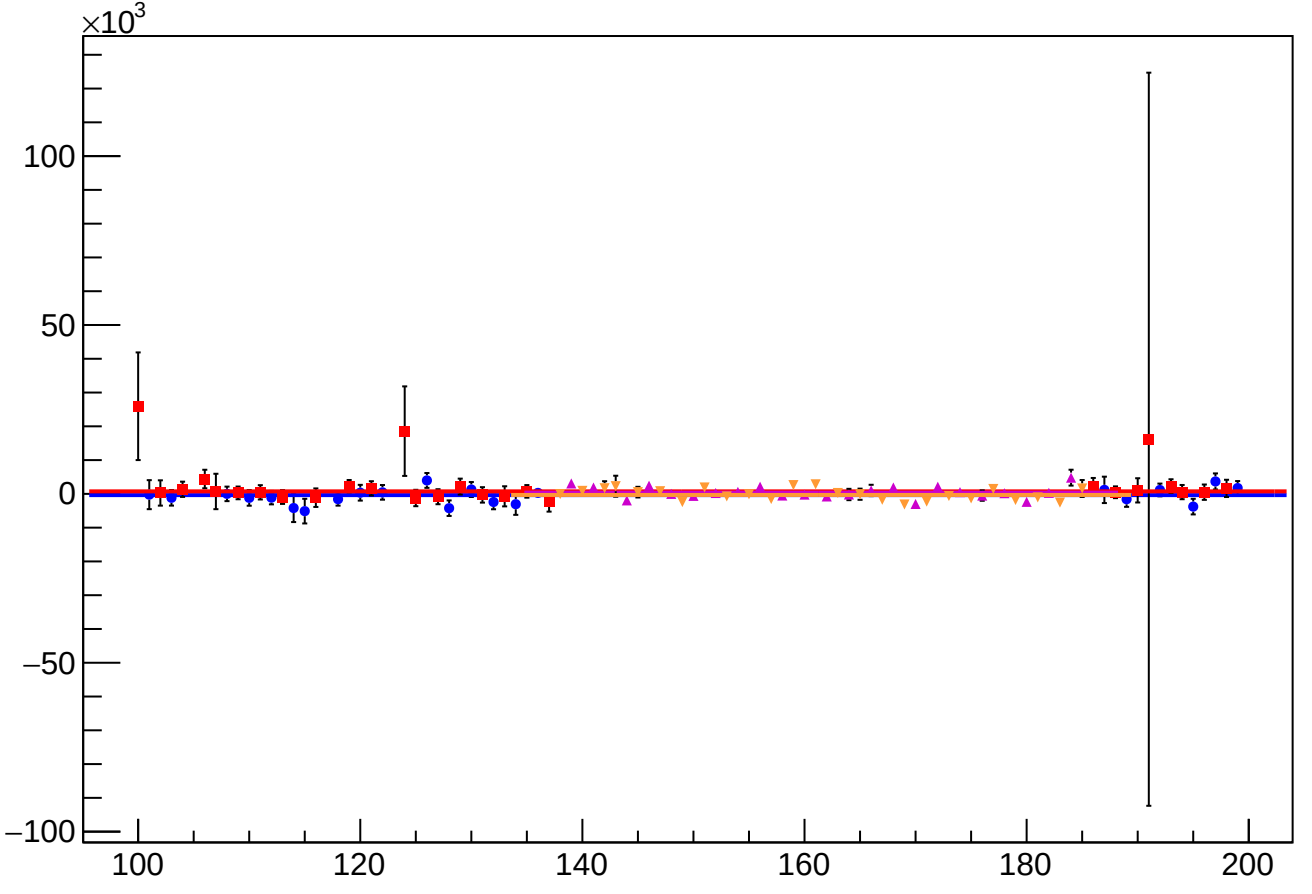
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 279.879+/-0.042 χ^2/NDF: 17209666.6/46

All: 291.110+/-0.031 χ^2/NDF: 33036137.6/96

- sign 303.742+/-0.045 χ^2/NDF: 15676451.3/49

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -367.037+/-483.325 χ^2/NDF: 19.9/21

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 745.033+/-472.332 χ^2/NDF: 12.5/26

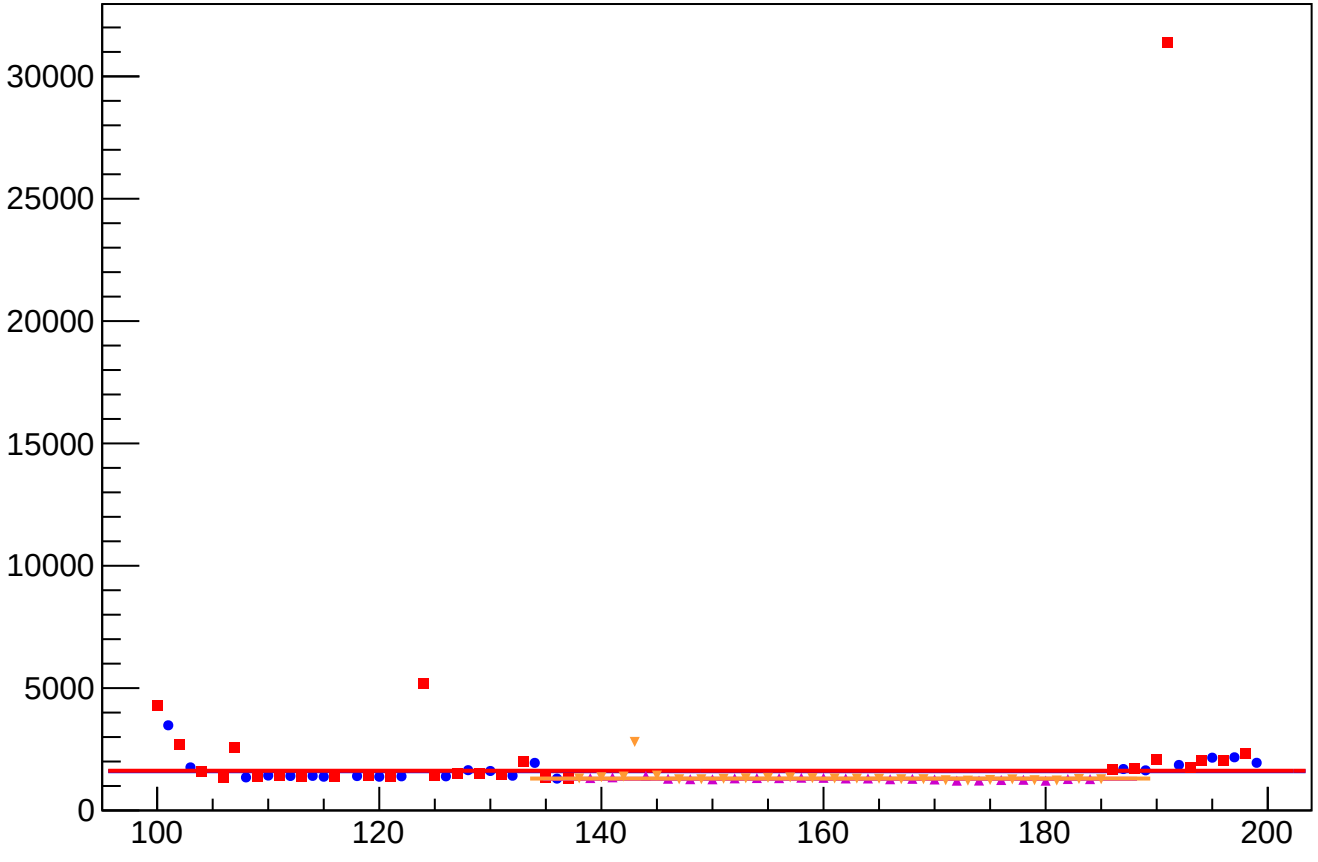
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -332.787+/-253.828 χ^2/NDF: 51.5/46

All: 67.292+/-179.678 χ^2/NDF: 99.1/96

- sign 469.112+/-254.379 χ^2/NDF: 42.6/49

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1603.169+/-0.342 χ^2/NDF: 994876.9/21

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

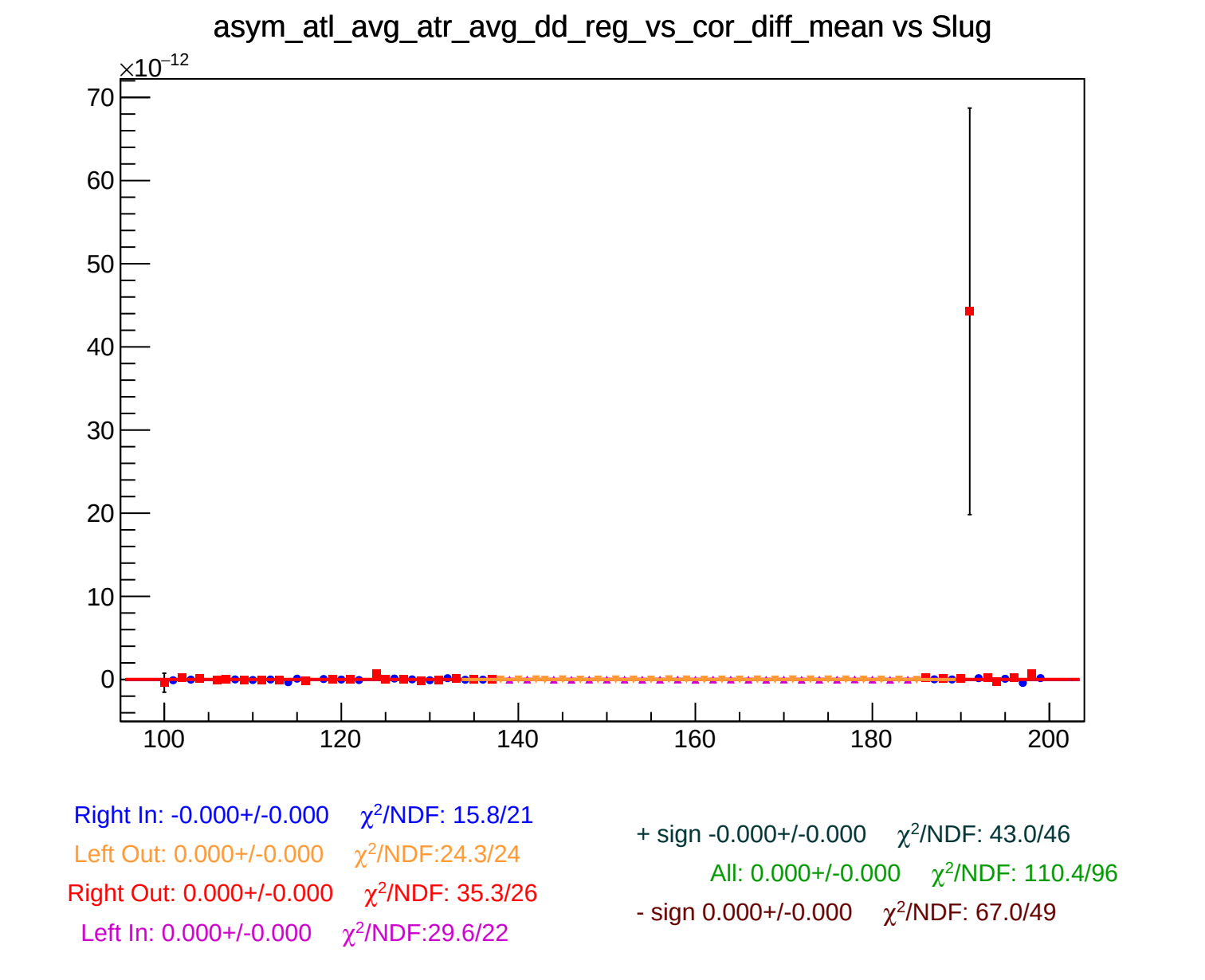
Right Out: 1622.668+/-0.334 χ^2/NDF: 1222335.6/26

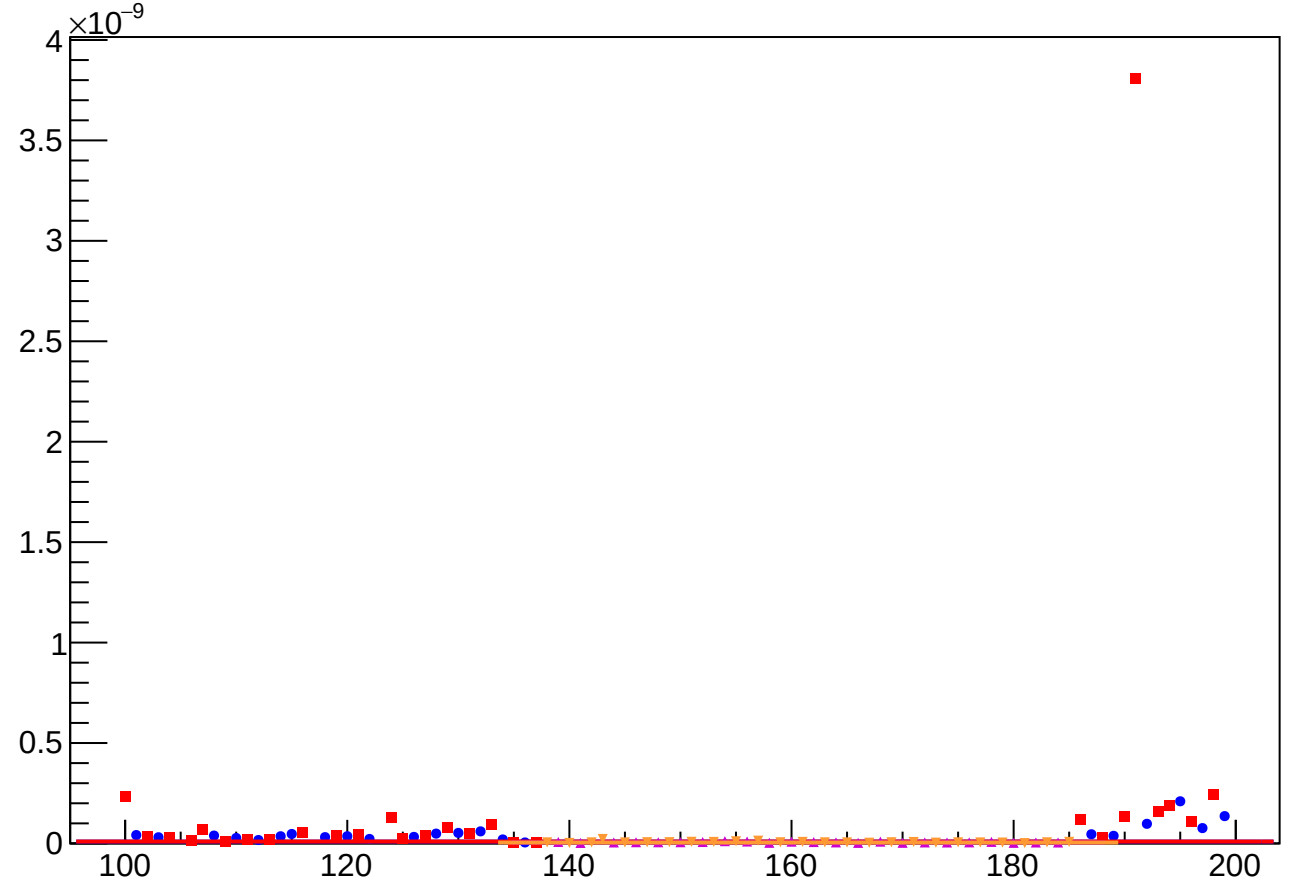
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1386.625+/-0.179 χ^2/NDF: 2068839.6/46

All: 1387.309+/-0.127 χ^2/NDF: 4034935.4/96

- 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: 15.8/21
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: 43.0/46
All: 0.000+/-0.000 χ²/NDF: 110.4/96
- sign 0.000+/-0.000 χ²/NDF: 67.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 5416911.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

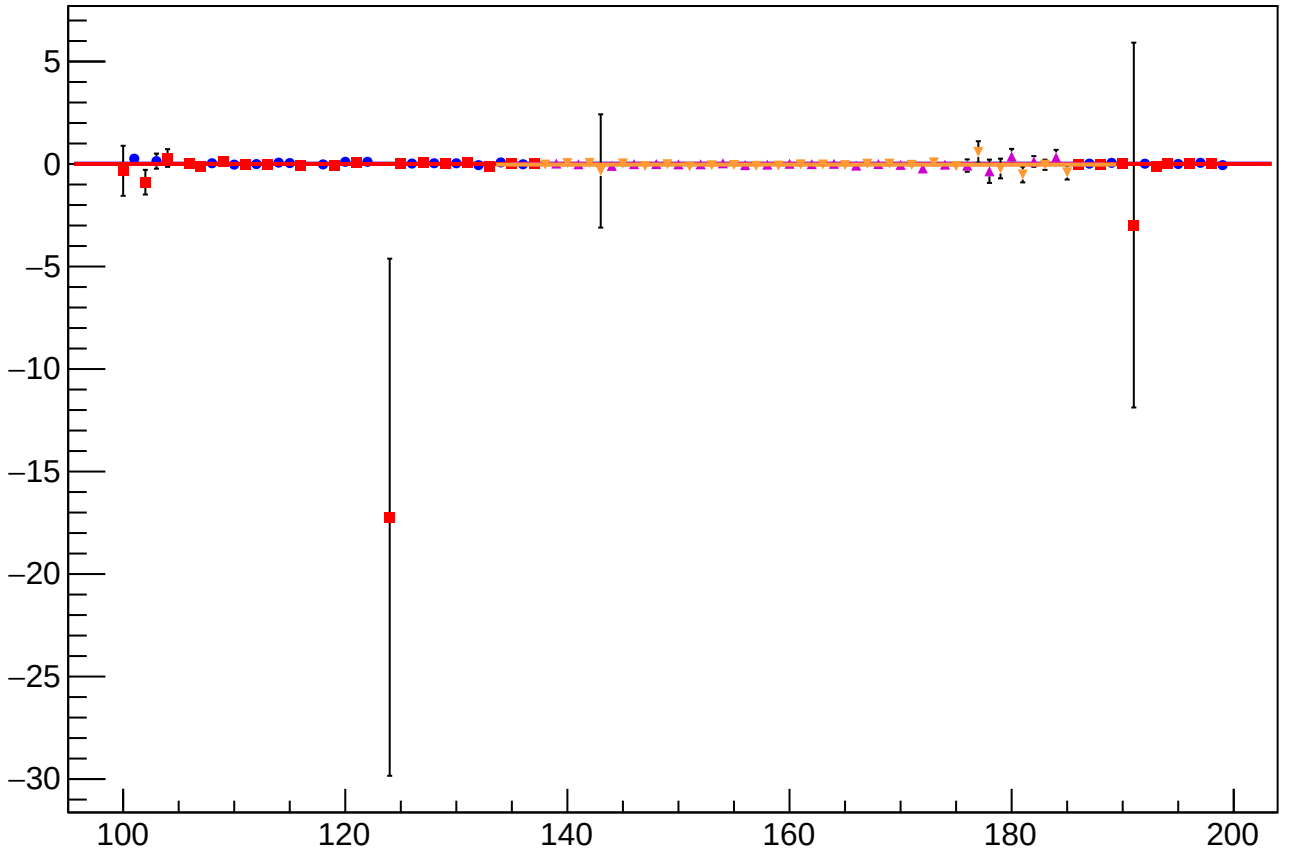
Right Out: 0.000+/-0.000 χ^2/NDF: 6969984.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8864602.8/46

All: 0.000+/-0.000 χ^2/NDF: 18435322.3/96

- sign 0.000+/-0.000 χ^2/NDF: 9546979.8/49



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

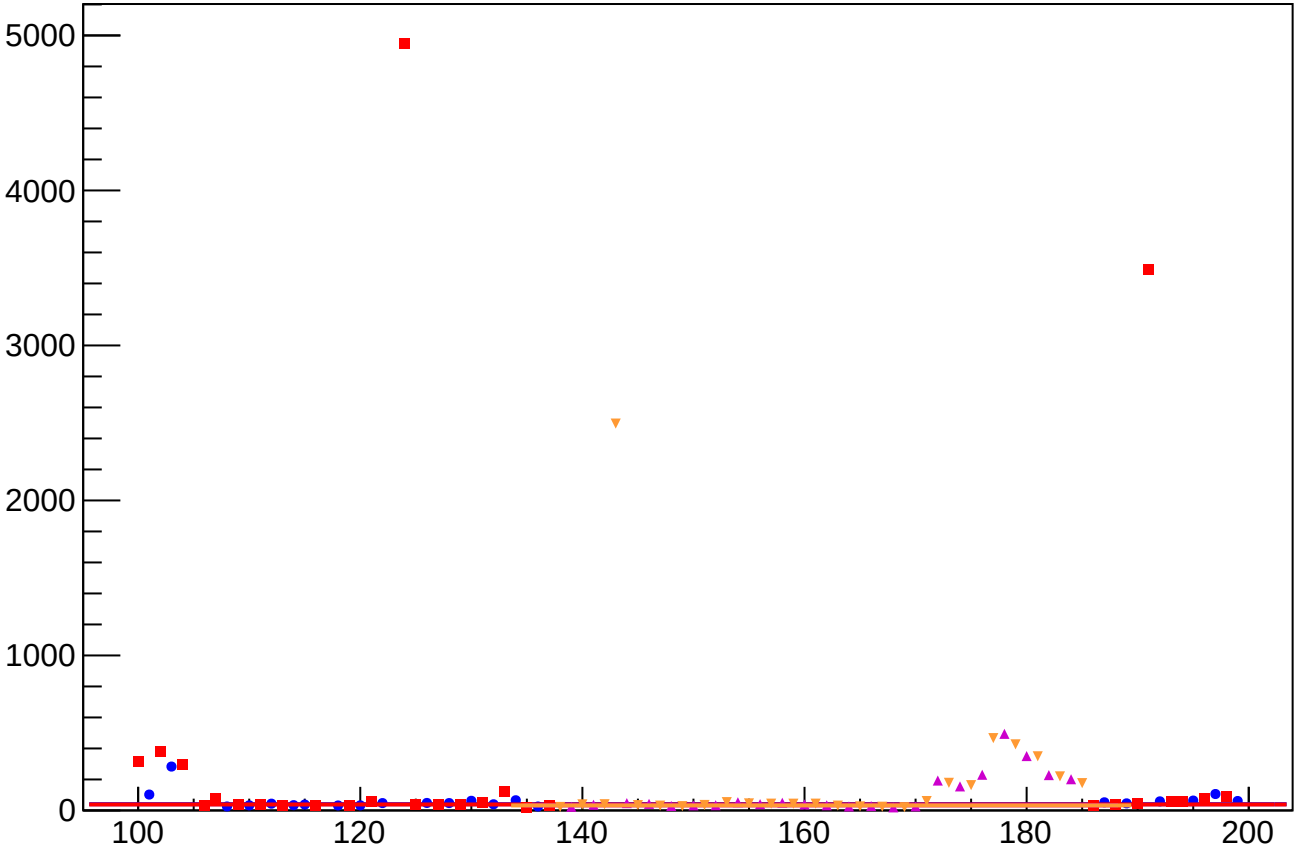
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.010+/-0.005 χ^2/NDF: 82.9/96

- 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: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

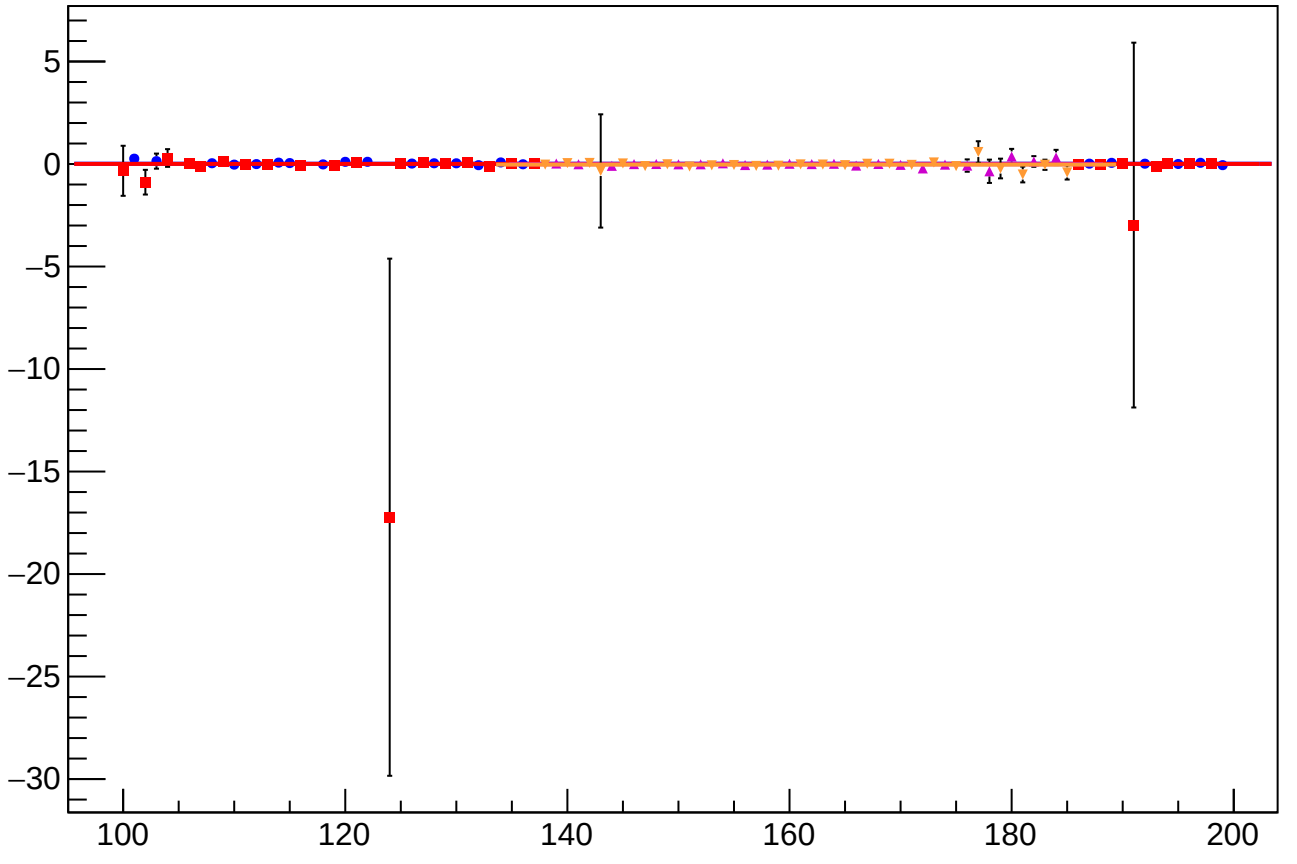
Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.057+/-0.006 χ^2/NDF: 14938460.7/46

All: 34.911+/-0.004 χ^2/NDF: 28899086.9/96

- sign 34.771+/-0.005 χ^2/NDF: 13959267.7/49



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

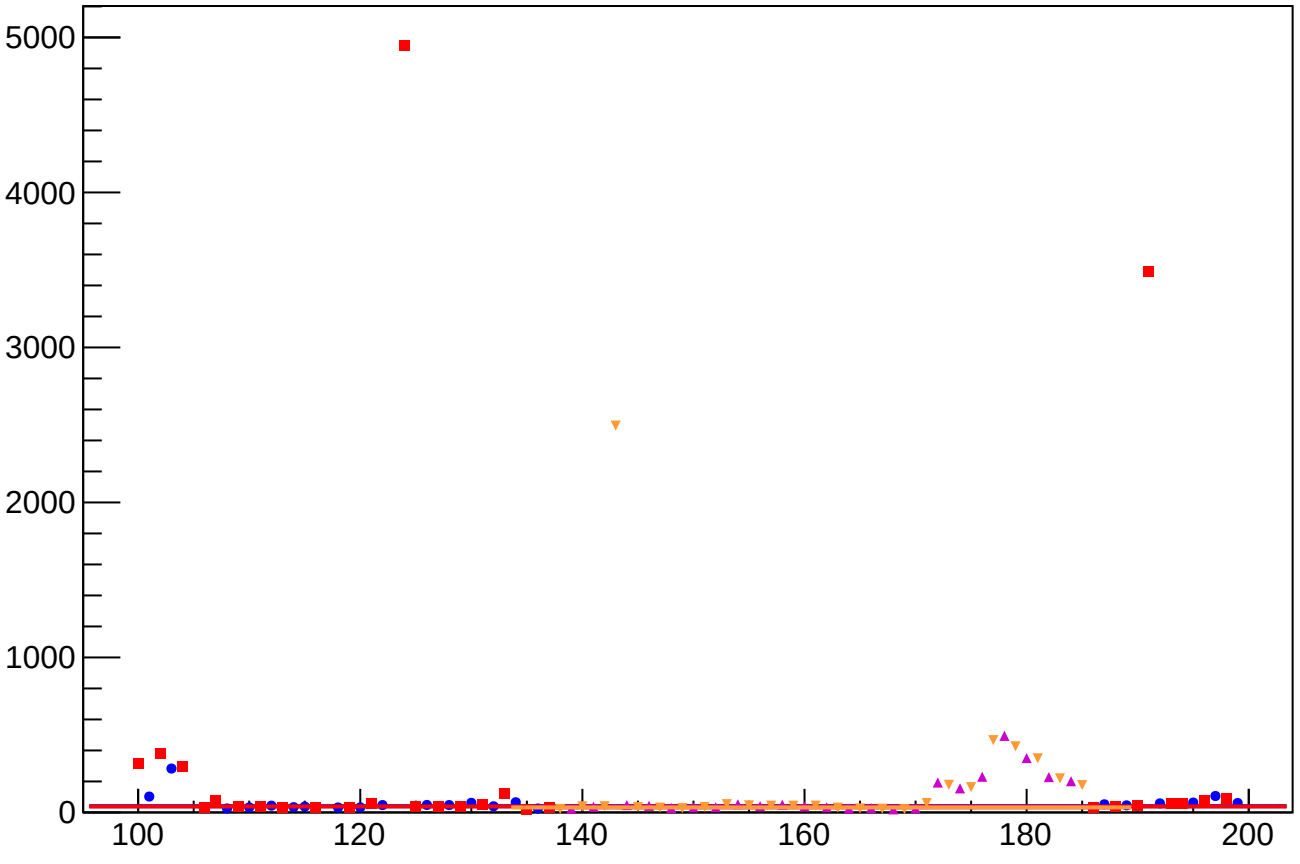
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.010+/-0.005 χ^2/NDF: 82.9/96

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

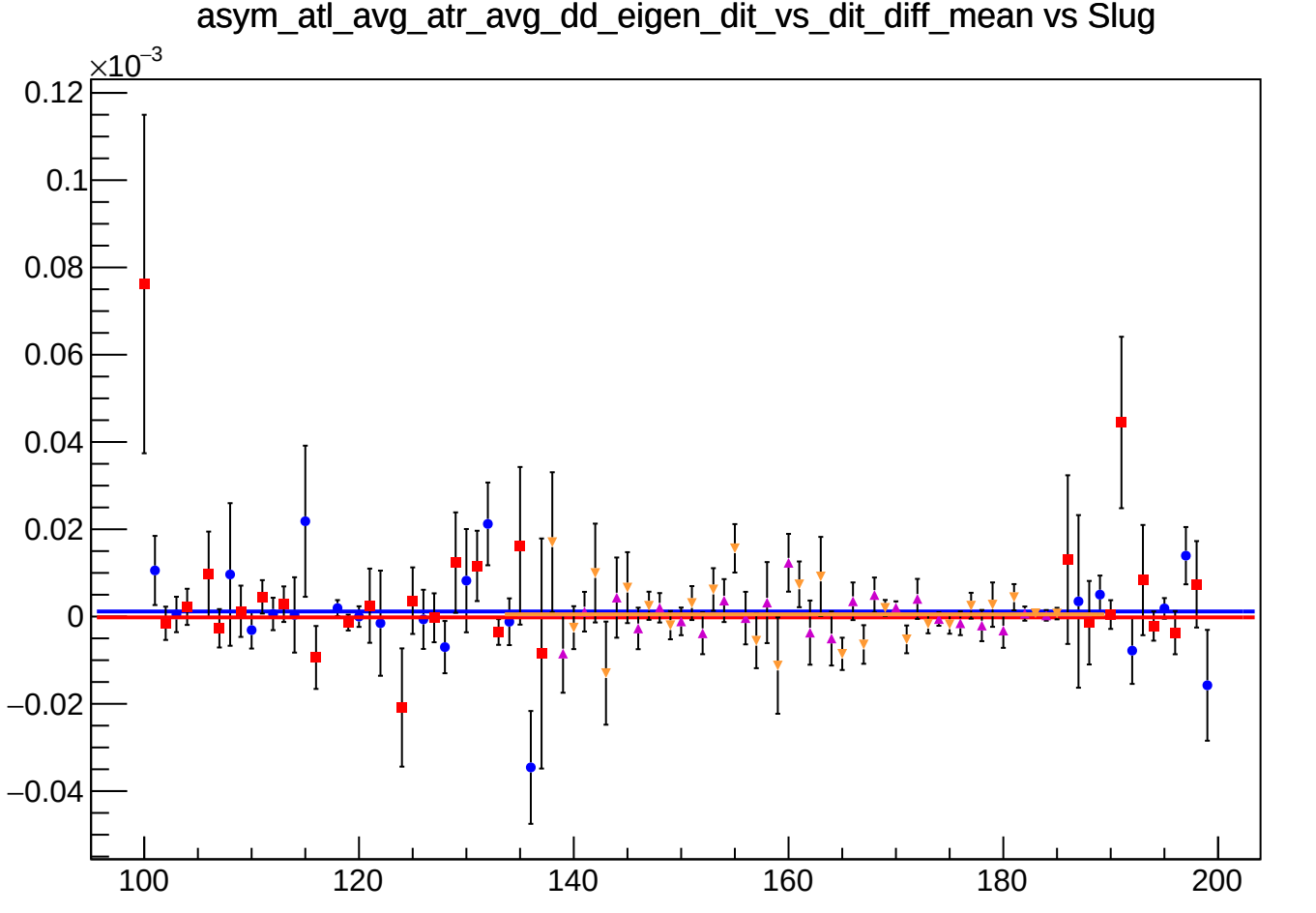
Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.057+/-0.006 χ^2/NDF: 14938460.7/46

All: 34.911+/-0.004 χ^2/NDF: 28899086.9/96

- sign 34.771+/-0.005 χ^2/NDF: 13959267.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

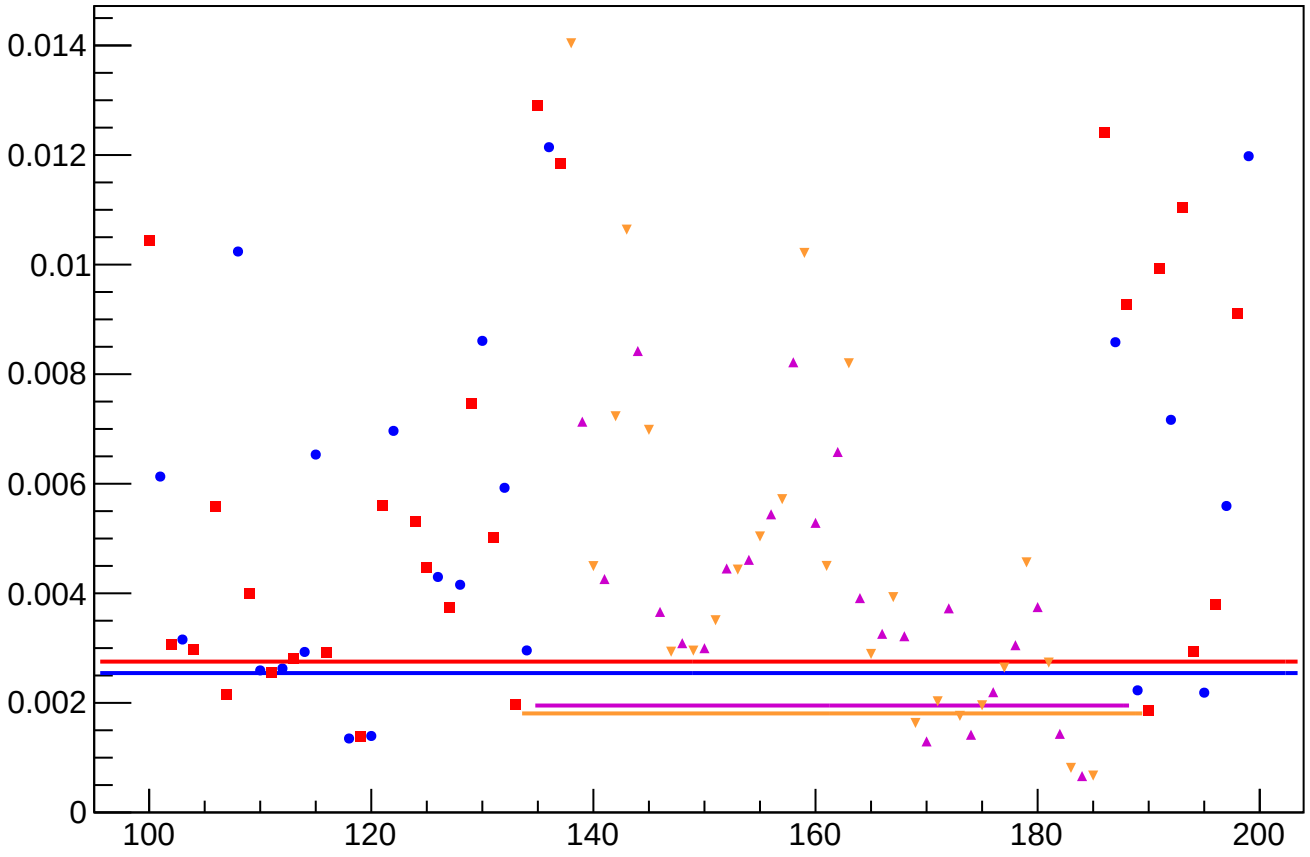
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/26

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.2/46

All: 0.000+/-0.000 χ^2/NDF: 103.2/96

- sign 0.000+/-0.000 χ^2/NDF: 39.7/49



Right In: 0.003+/-0.000 χ^2/NDF: 7285883.4/21

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

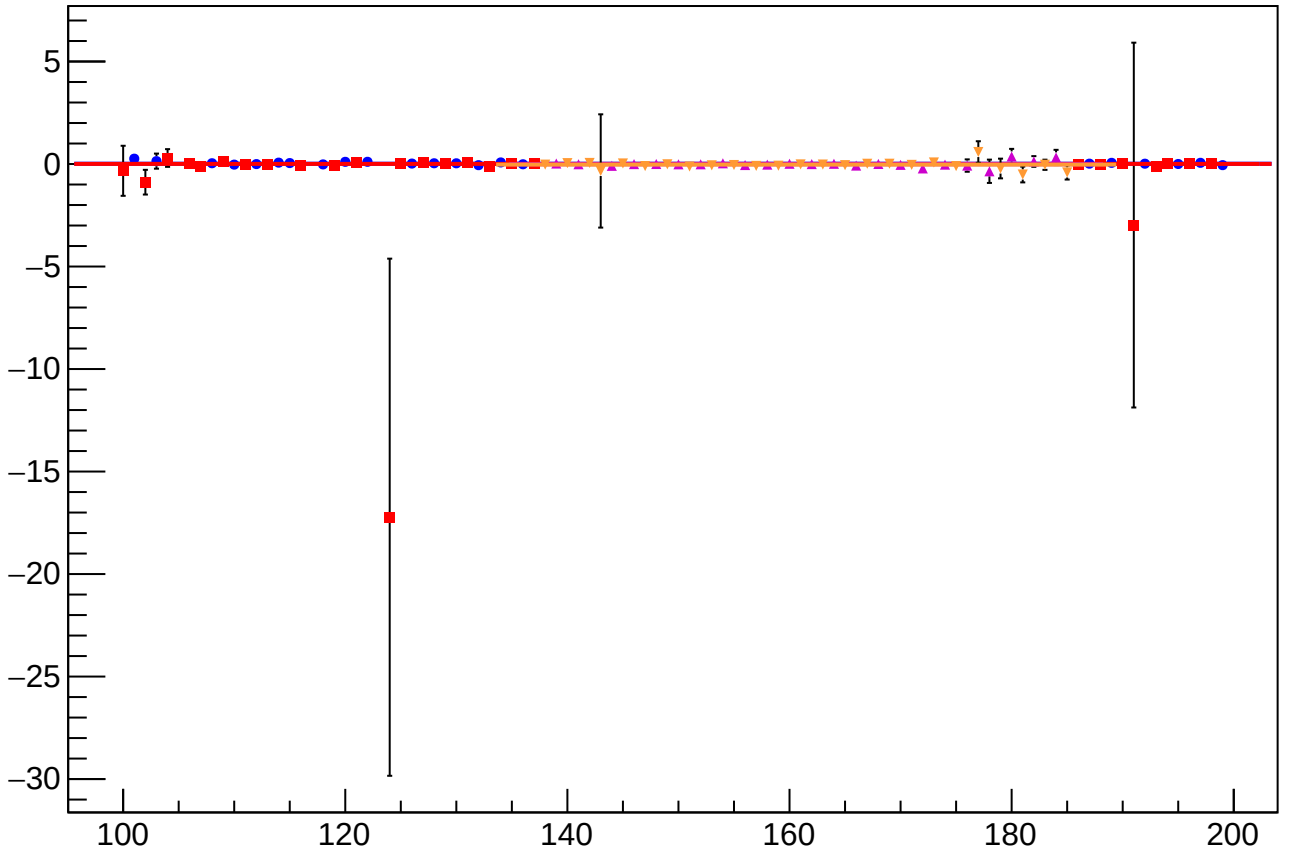
Right Out: 0.003+/-0.000 χ^2/NDF: 7117065.9/26

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 23124103.1/46

All: 0.002+/-0.000 χ^2/NDF: 42919031.2/96

- sign 0.002+/-0.000 χ^2/NDF: 19644526.0/49



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

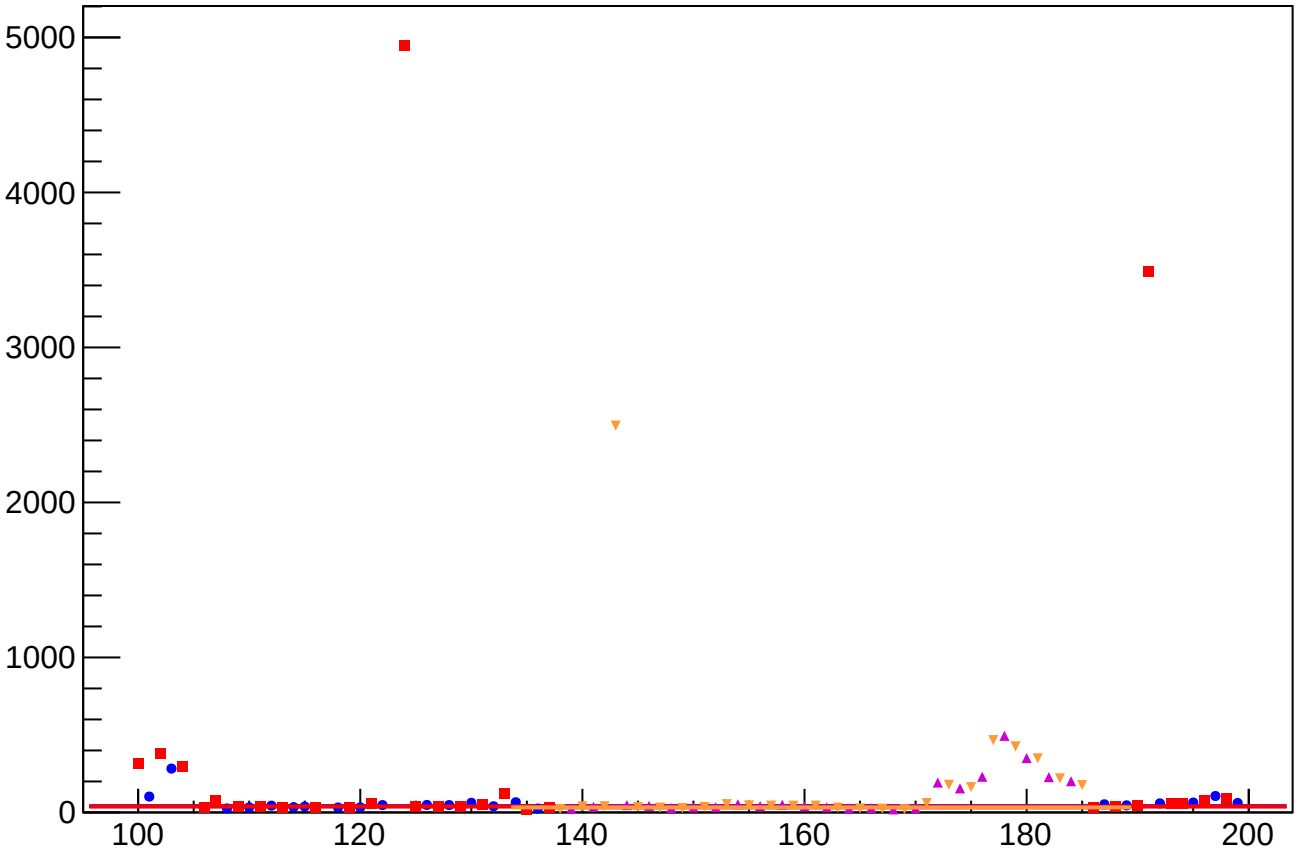
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.010+/-0.005 χ^2/NDF: 82.9/96

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

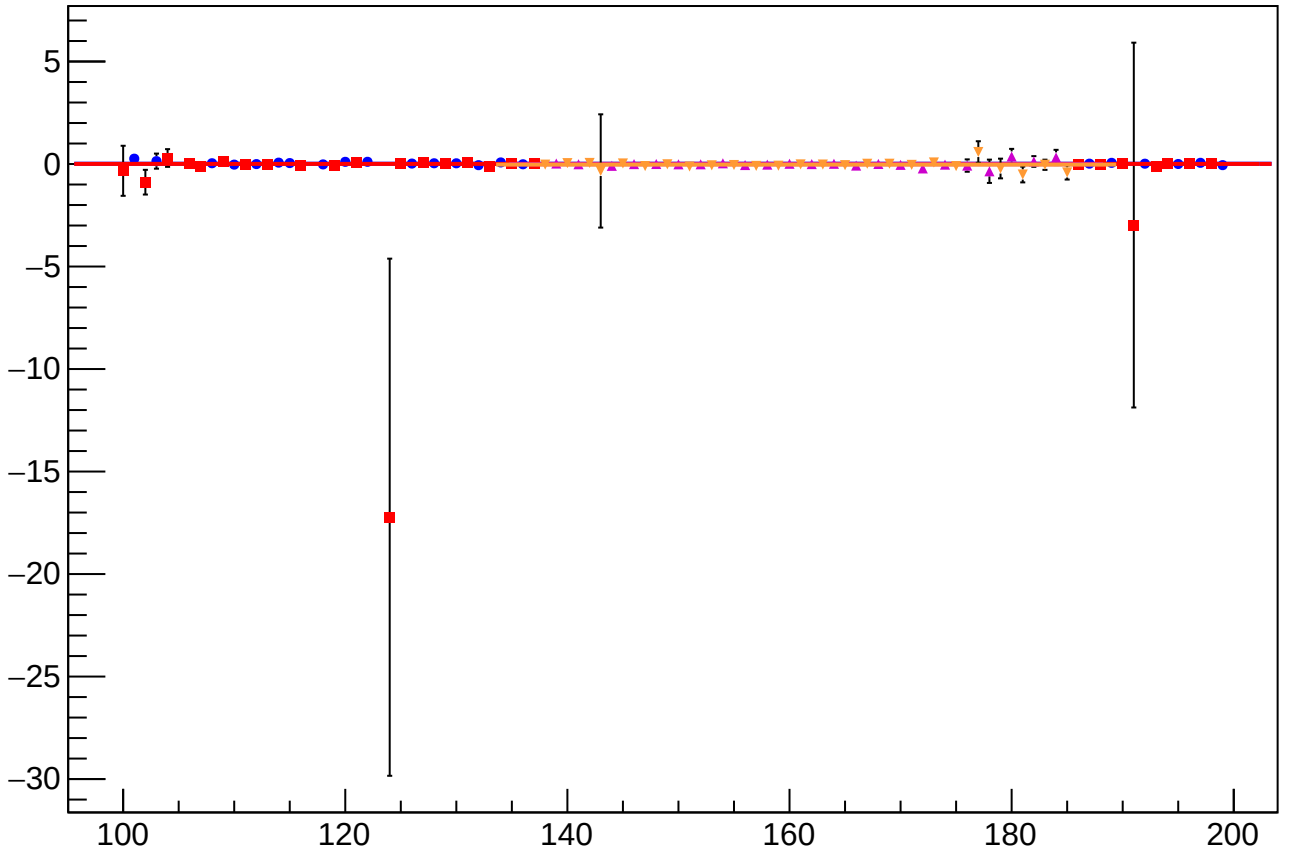
Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.058+/-0.006 χ^2/NDF: 14938463.0/46

All: 34.911+/-0.004 χ^2/NDF: 28899639.0/96

- sign 34.770+/-0.005 χ^2/NDF: 13959807.3/49



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

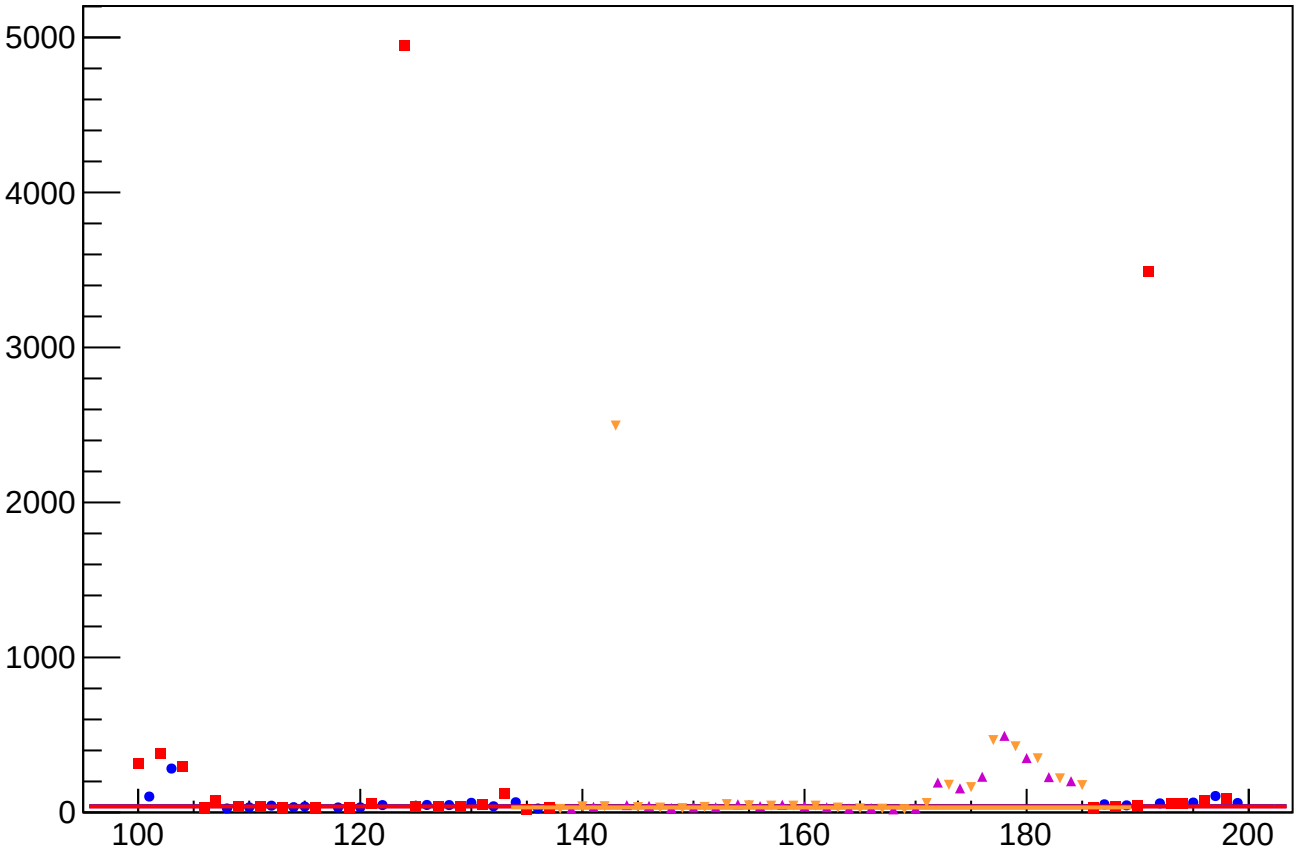
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.010+/-0.005 χ^2/NDF: 82.9/96

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

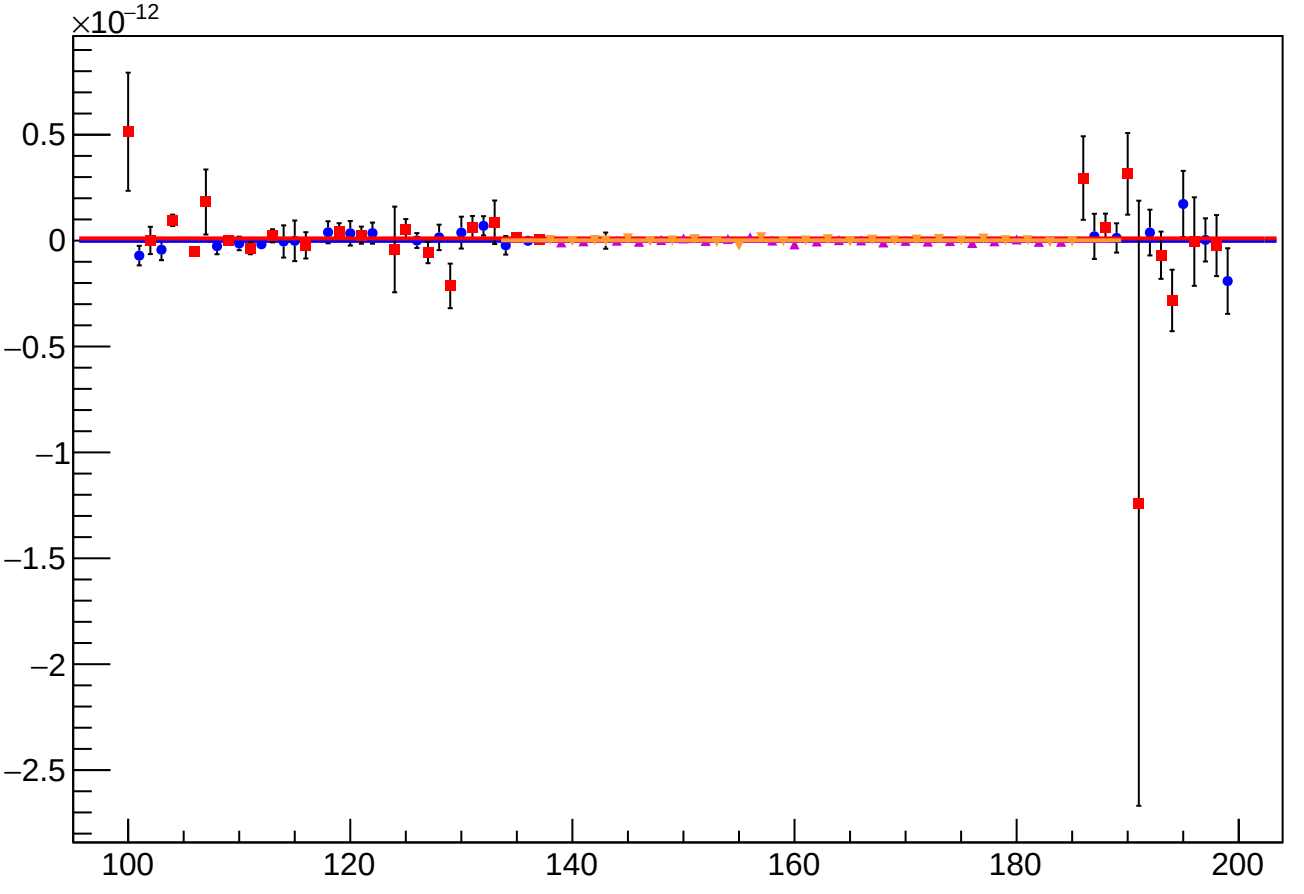
Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.058+/-0.006 χ^2/NDF: 14938463.0/46

All: 34.911+/-0.004 χ^2/NDF: 28899639.0/96

- sign 34.770+/-0.005 χ^2/NDF: 13959807.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

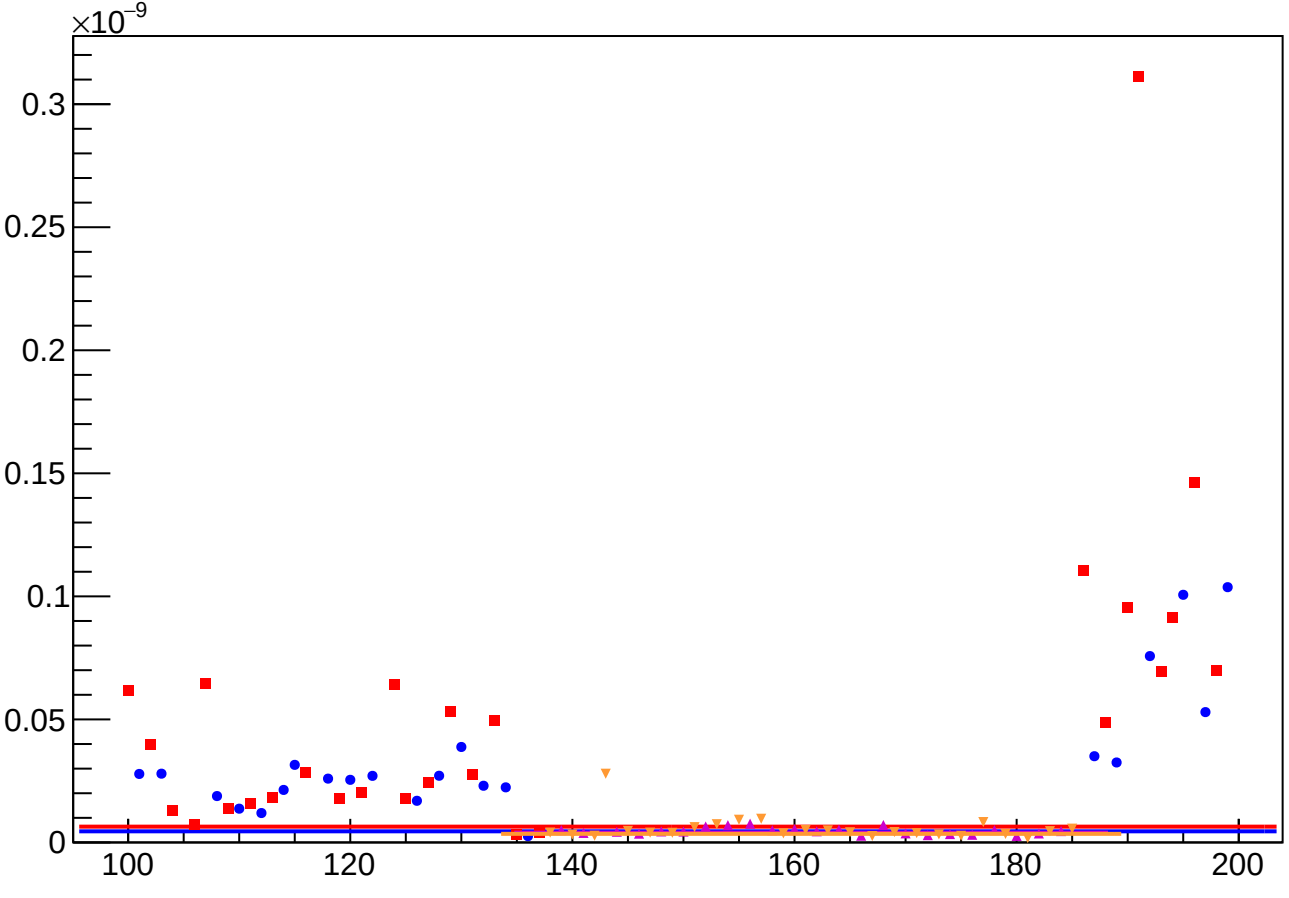
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/26

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.2/46

All: 0.000+/-0.000 χ^2/NDF: 117.9/96

- sign -0.000+/-0.000 χ^2/NDF: 86.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 8488941.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9431769.5/26

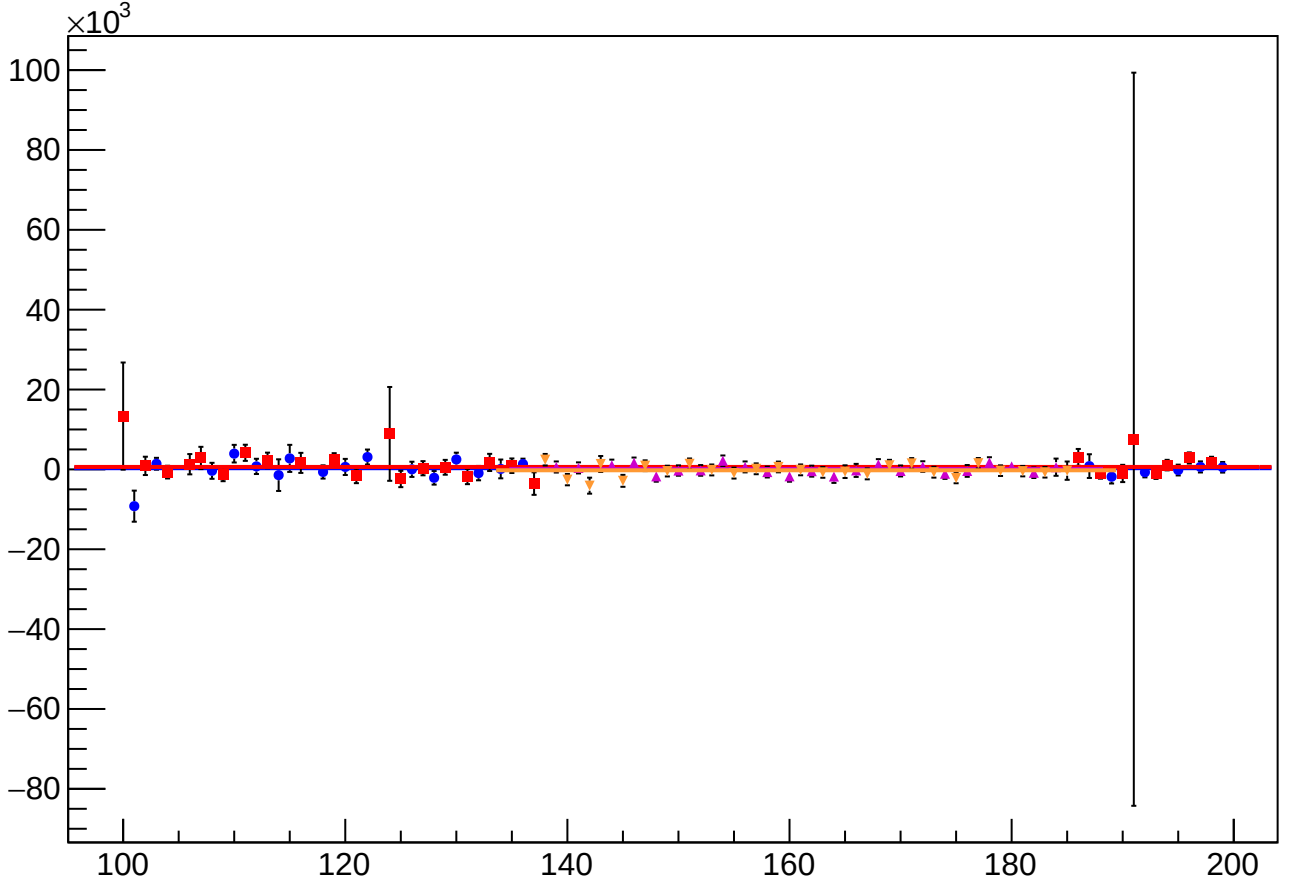
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13342897.6/46

All: 0.000+/-0.000 χ^2/NDF: 25776031.4/96

- sign 0.000+/-0.000 χ^2/NDF: 12151065.0/49

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 299.198+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 615.579+/-367.279 χ^2/NDF: 24.8/26

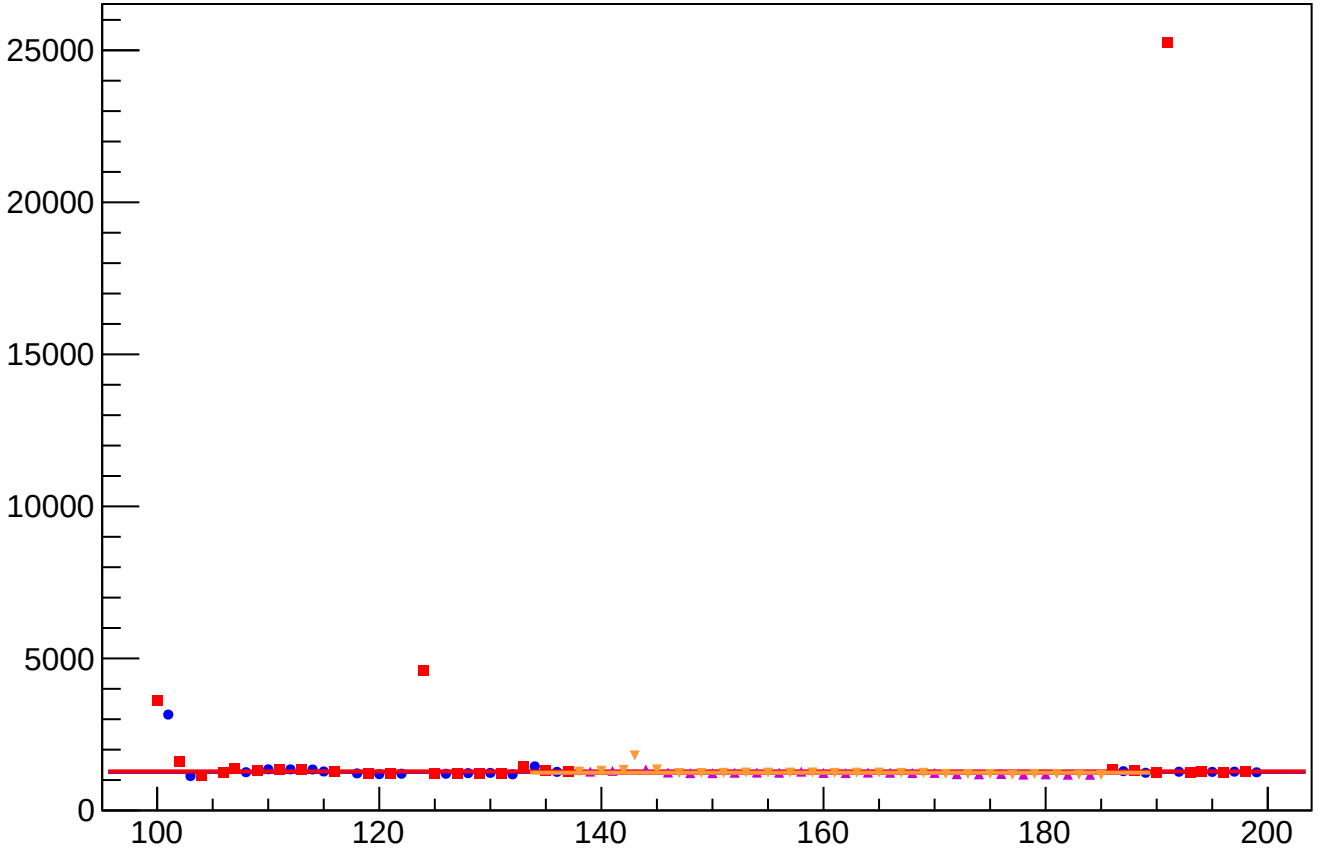
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -34.165+/-226.653 χ^2/NDF: 45.0/46

All: 128.753+/-160.298 χ^2/NDF: 86.7/96

- sign 291.793+/-226.738 χ^2/NDF: 40.7/49

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1269.854+/-0.268 χ^2/NDF: 520431.9/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

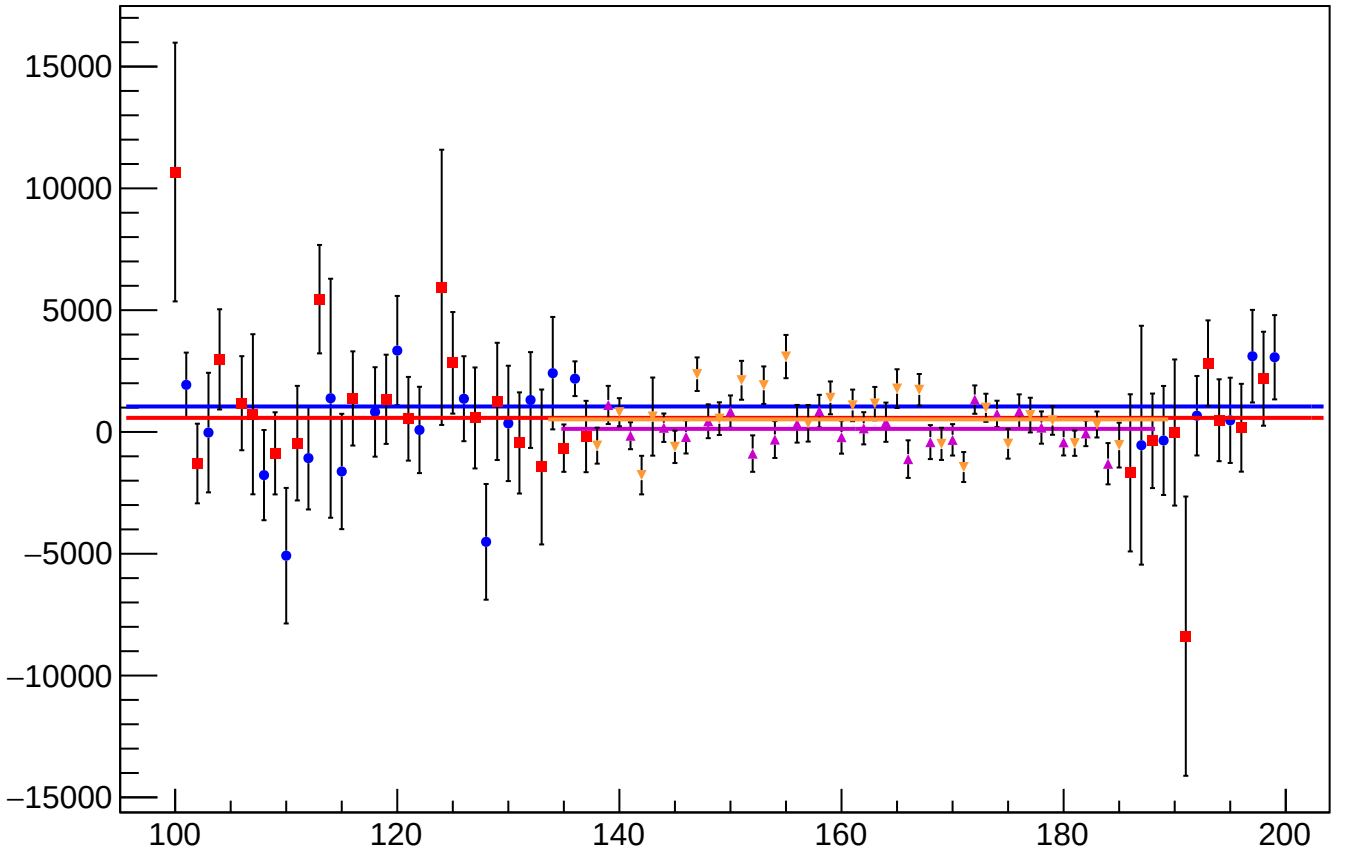
Right Out: 1282.613+/-0.260 χ^2/NDF: 468595.1/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.523+/-0.160 χ^2/NDF: 730274.6/46

All: 1252.449+/-0.113 χ^2/NDF: 1260058.2/96

- sign 1252.374+/-0.160 χ^2/NDF: 529783.2/49



Right In: 1045.806+/-376.119 χ^2/NDF: 23.2/21

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 578.347+/-379.995 χ^2/NDF: 22.8/26

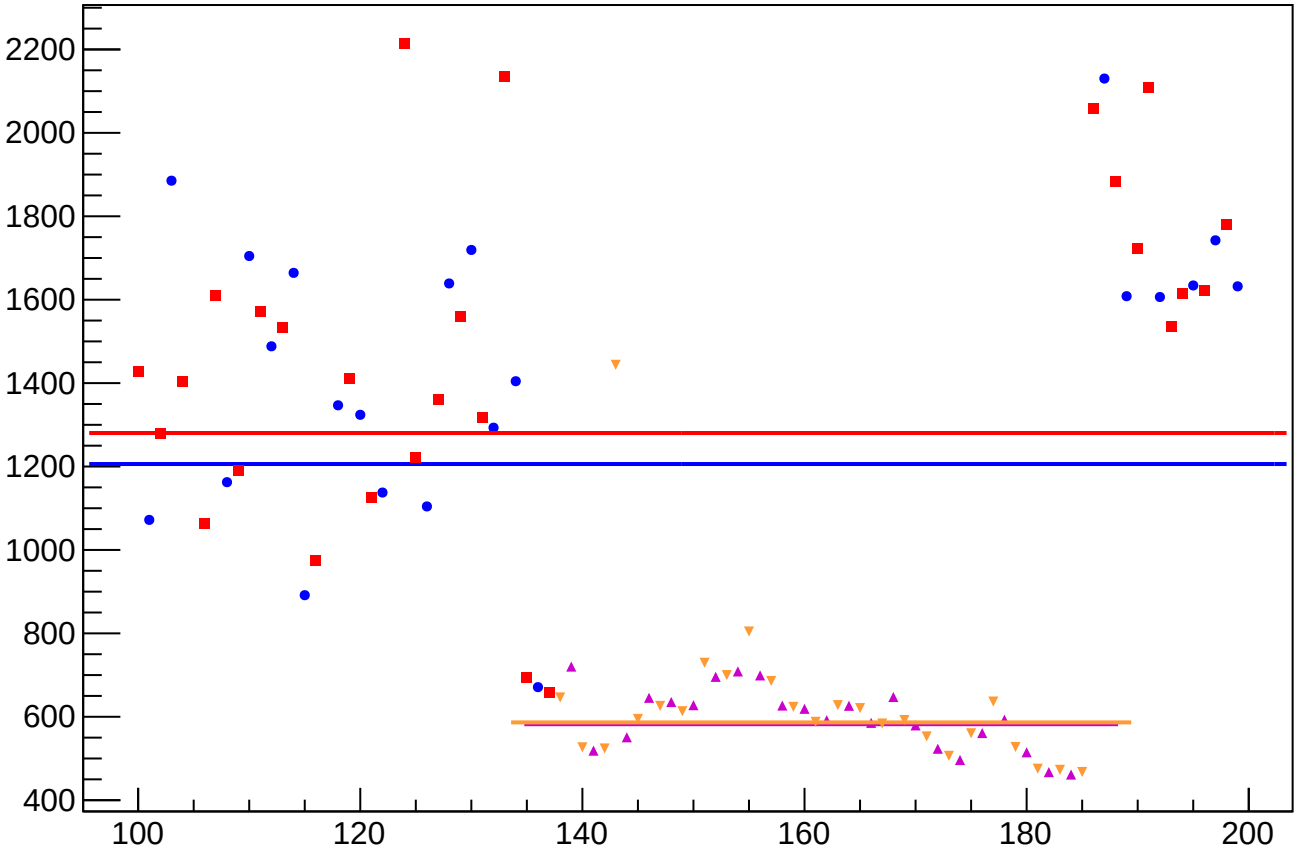
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 577.759+/-127.685 χ^2/NDF: 91.9/46

All: 380.439+/-90.783 χ^2/NDF: 142.3/96

- sign 178.716+/-129.101 χ^2/NDF: 45.6/49

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1206.012+/-0.266 χ^2/NDF: 2316178.3/21

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

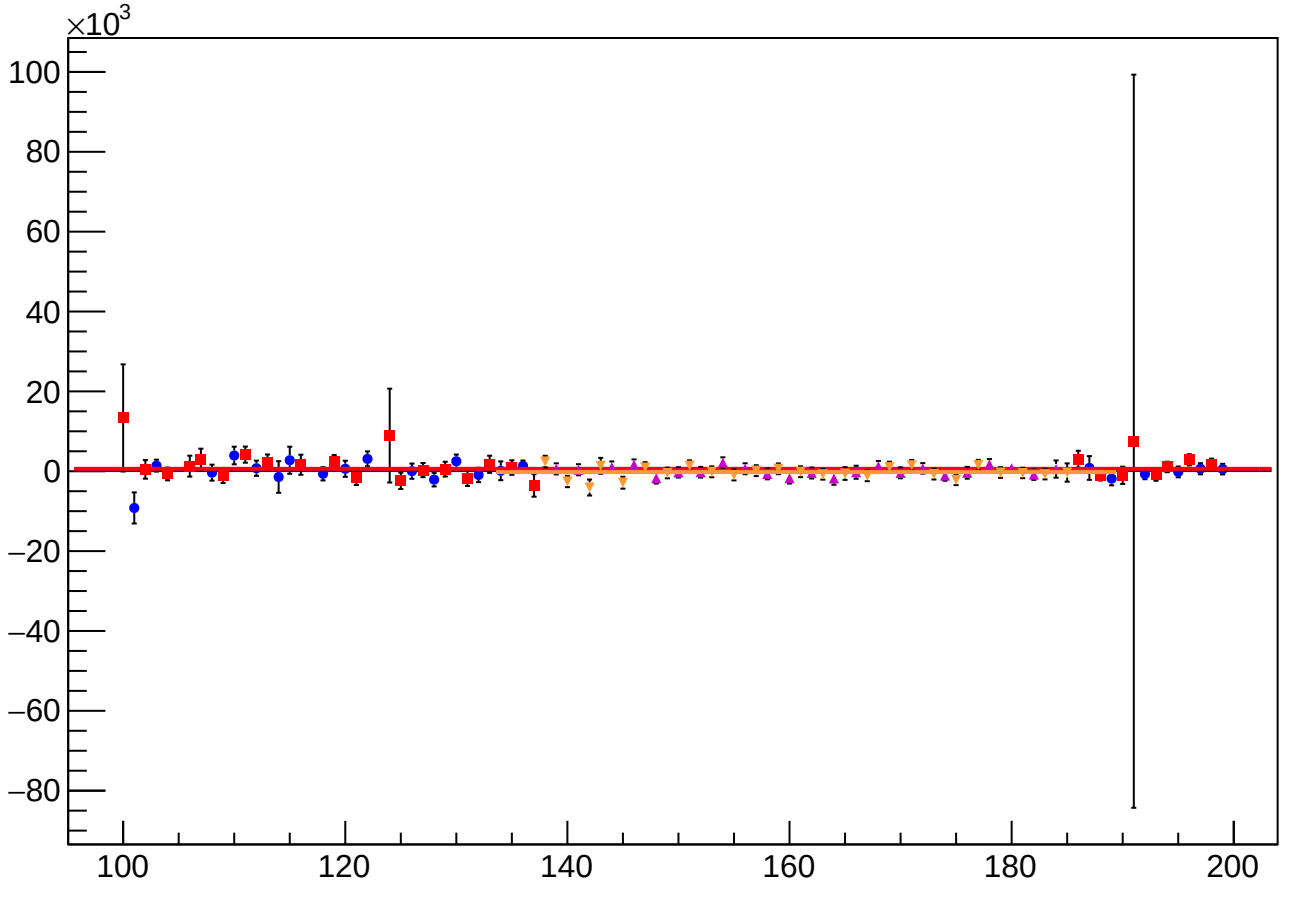
Right Out: 1280.399+/-0.269 χ^2/NDF: 2234342.5/26

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 657.947+/-0.090 χ^2/NDF: 8318874.5/46

All: 660.338+/-0.064 χ^2/NDF: 17086704.1/96

- sign 662.782+/-0.091 χ^2/NDF: 8766411.6/49



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 603.827+/-367.644 χ^2/NDF: 24.8/26

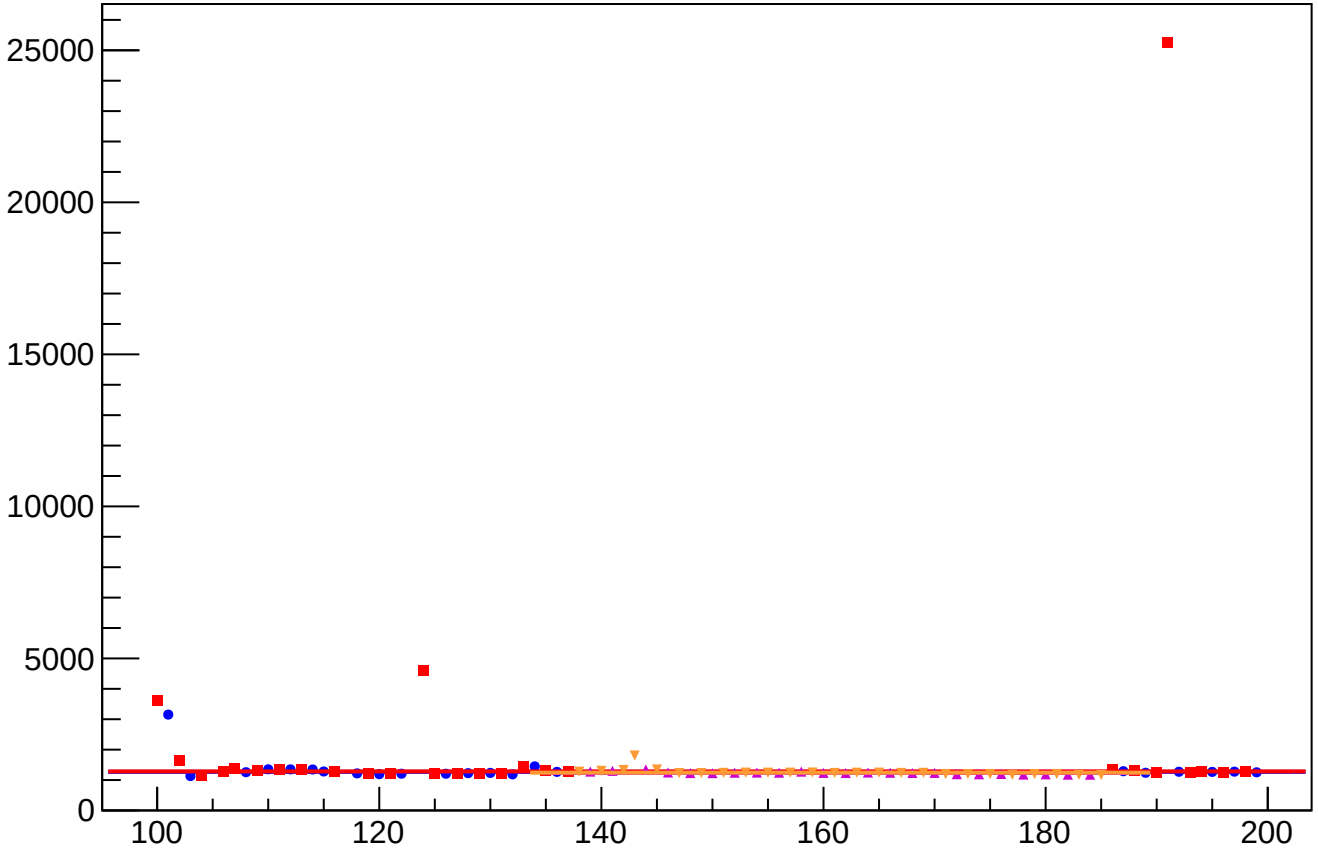
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -34.111+/-226.653 χ^2/NDF: 44.9/46

All: 126.382+/-160.328 χ^2/NDF: 86.6/96

- sign 287.118+/-226.824 χ^2/NDF: 40.6/49

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

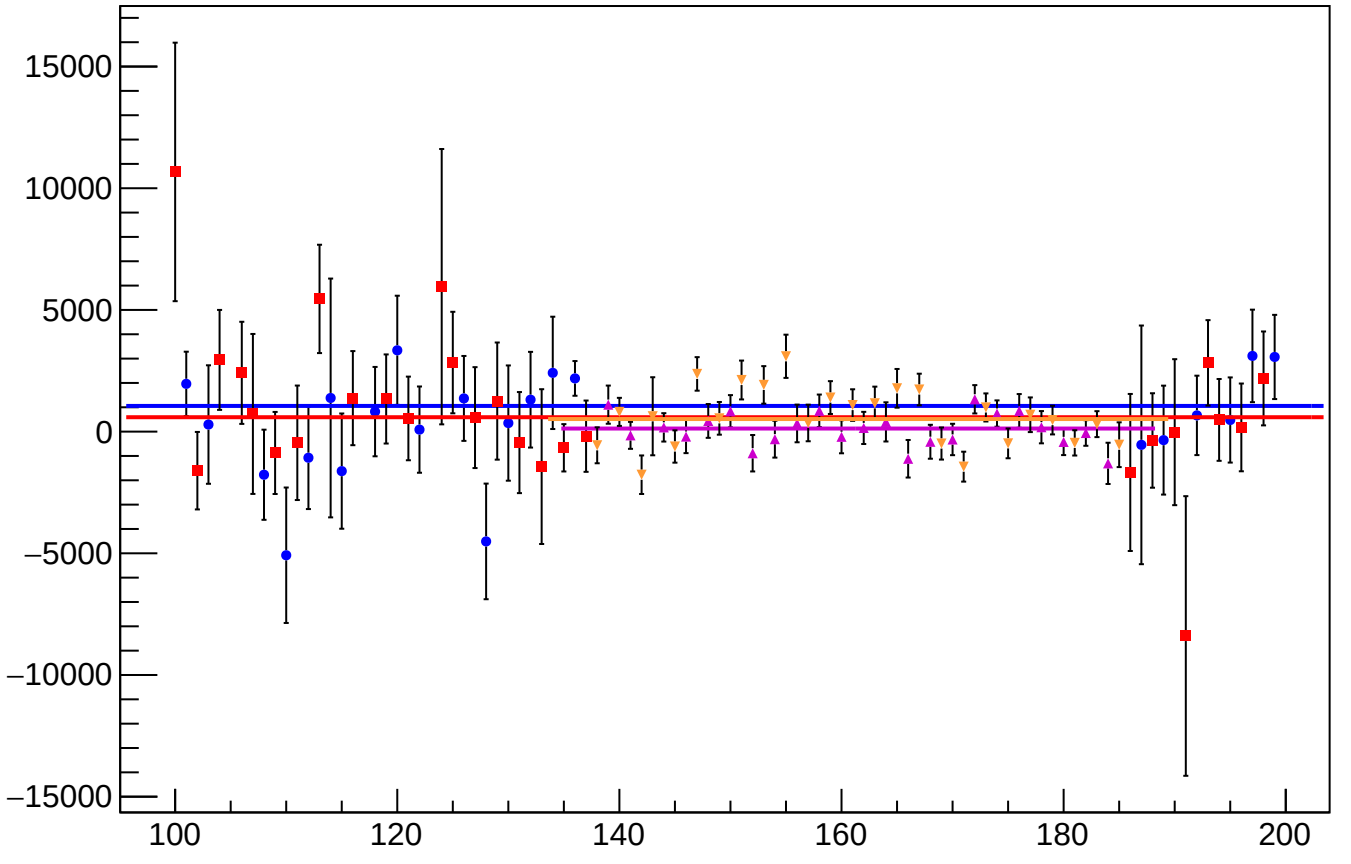
Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.523+/-0.160 χ^2/NDF: 730275.9/46

All: 1252.691+/-0.113 χ^2/NDF: 1267912.6/96

- sign 1252.860+/-0.160 χ^2/NDF: 537634.5/49



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: 591.449+/-380.548 χ^2/NDF: 24.0/26

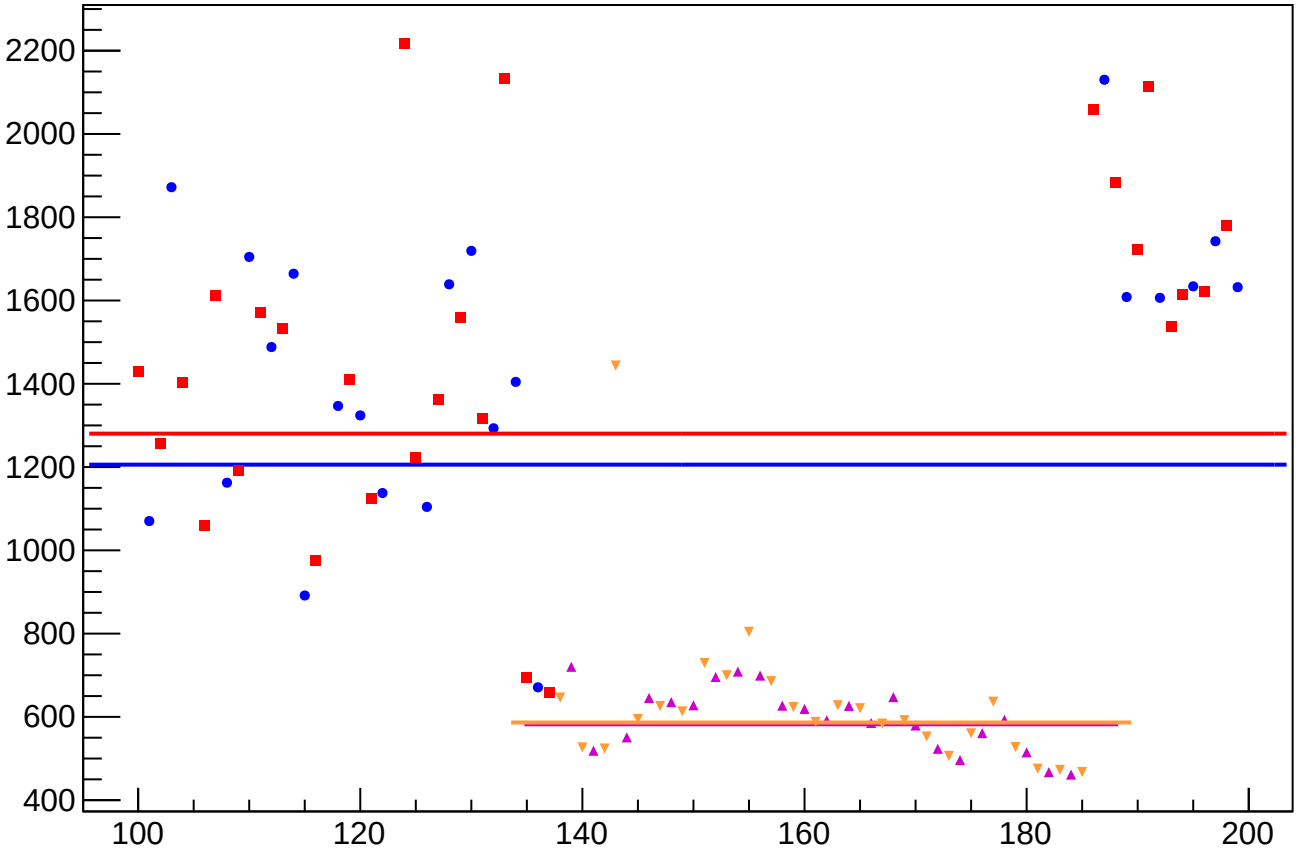
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 578.918+/-127.681 χ^2/NDF: 91.9/46

All: 381.735+/-90.789 χ^2/NDF: 143.6/96

\- sign 180.073+/-129.123 χ^2/NDF: 46.9/49

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

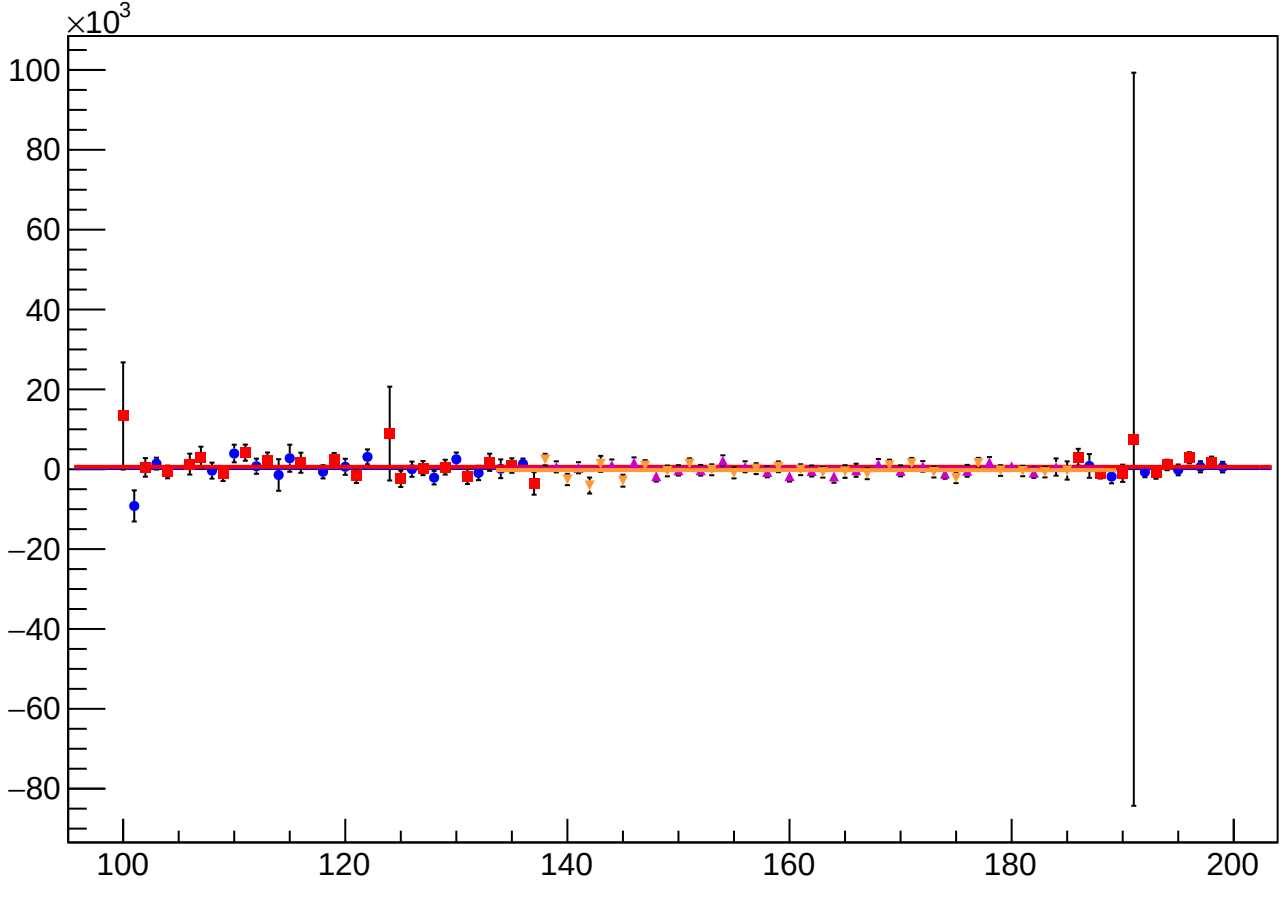
Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 657.967+/-0.090 χ^2/NDF: 8315060.4/46

All: 660.237+/-0.064 χ^2/NDF: 17063045.8/96

- sign 662.560+/-0.091 χ^2/NDF: 8746705.8/49



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 603.827+/-367.644 χ^2/NDF: 24.8/26

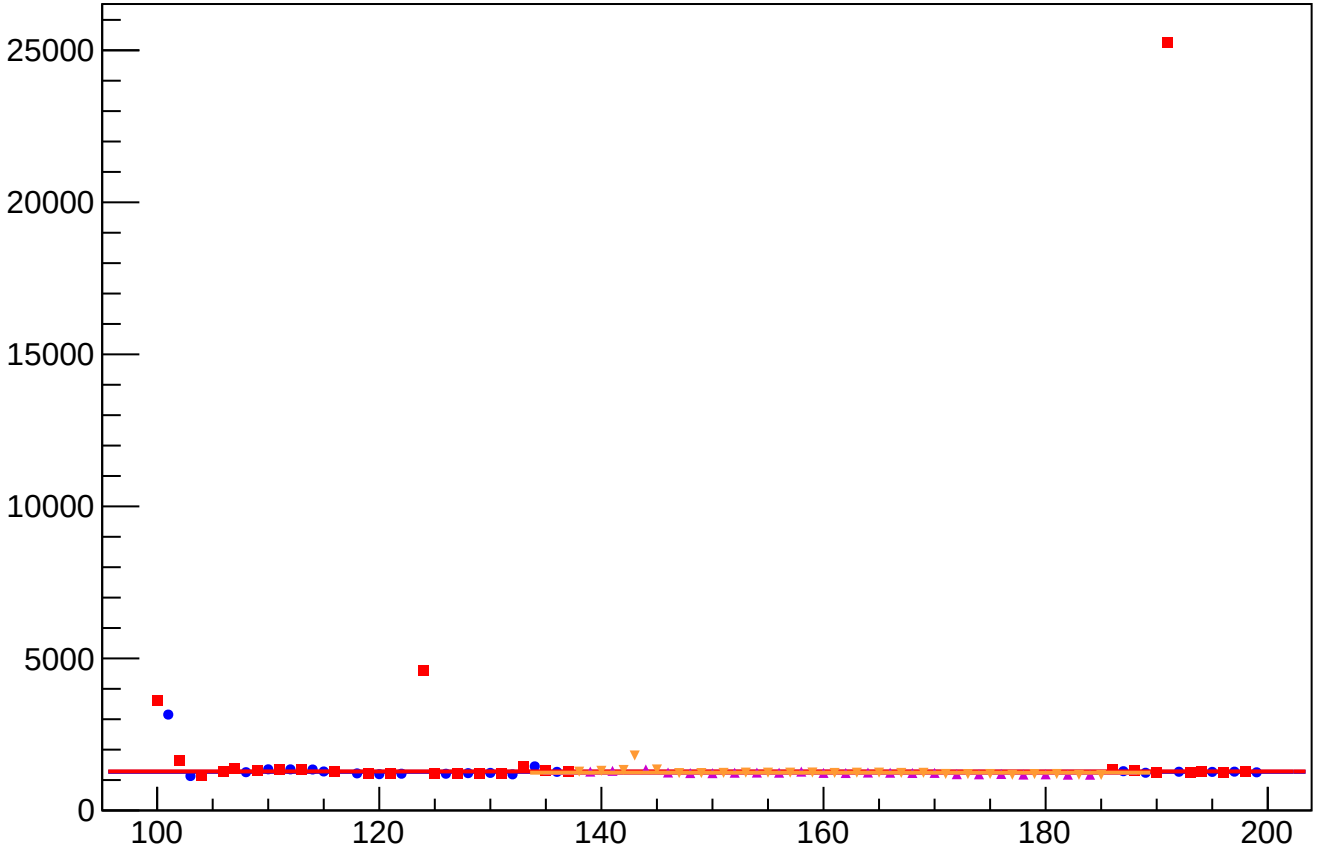
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -34.111+/-226.653 χ^2/NDF: 44.9/46

All: 126.382+/-160.328 χ^2/NDF: 86.6/96

- sign 287.118+/-226.824 χ^2/NDF: 40.6/49

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

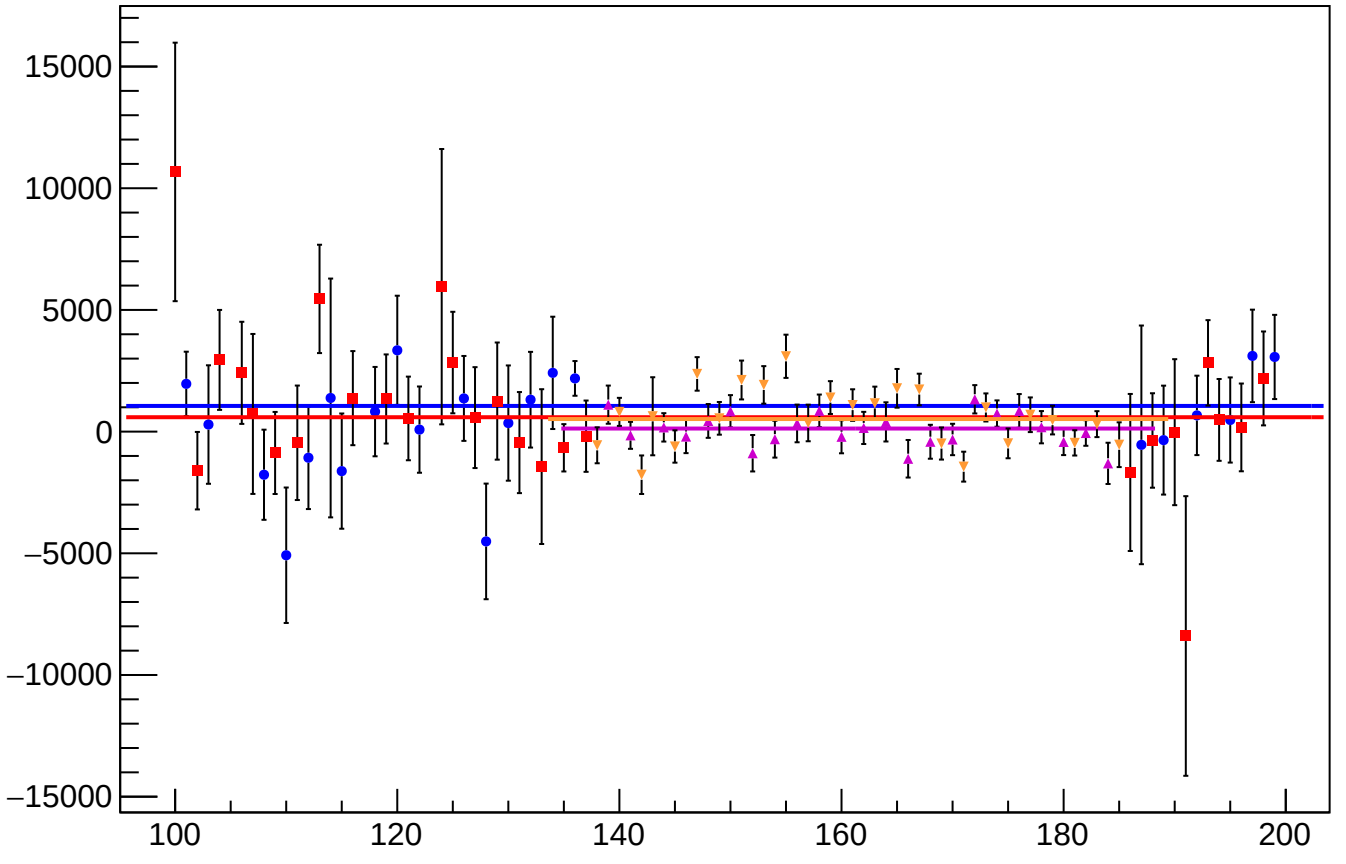
Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.523+/-0.160 χ^2/NDF: 730275.9/46

All: 1252.691+/-0.113 χ^2/NDF: 1267912.6/96

- sign 1252.860+/-0.160 χ^2/NDF: 537634.5/49



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

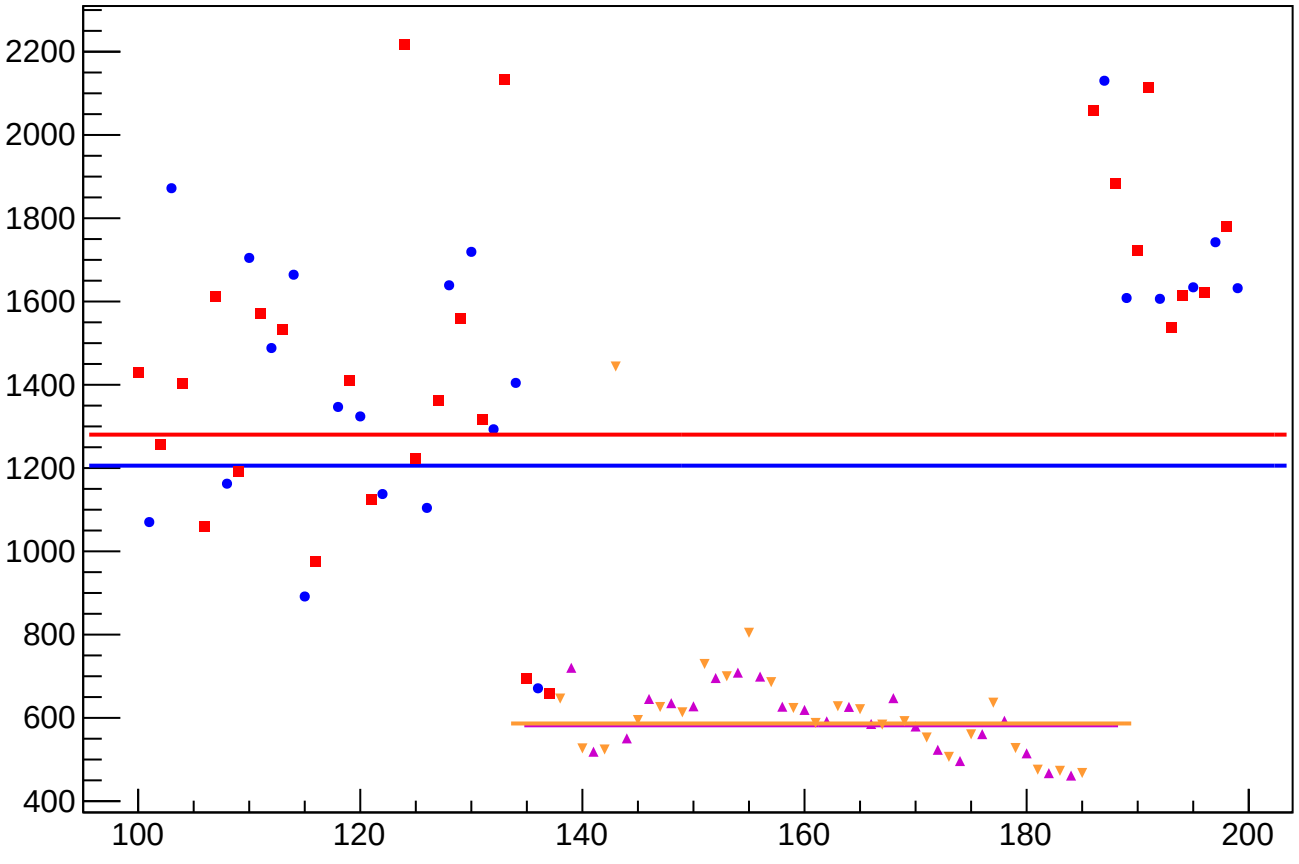
Right Out: 591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 578.918+/-127.681 χ^2/NDF: 91.9/46

All: 381.735+/-90.789 χ^2/NDF: 143.6/96

\- sign 180.073+/-129.123 χ^2/NDF: 46.9/49



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

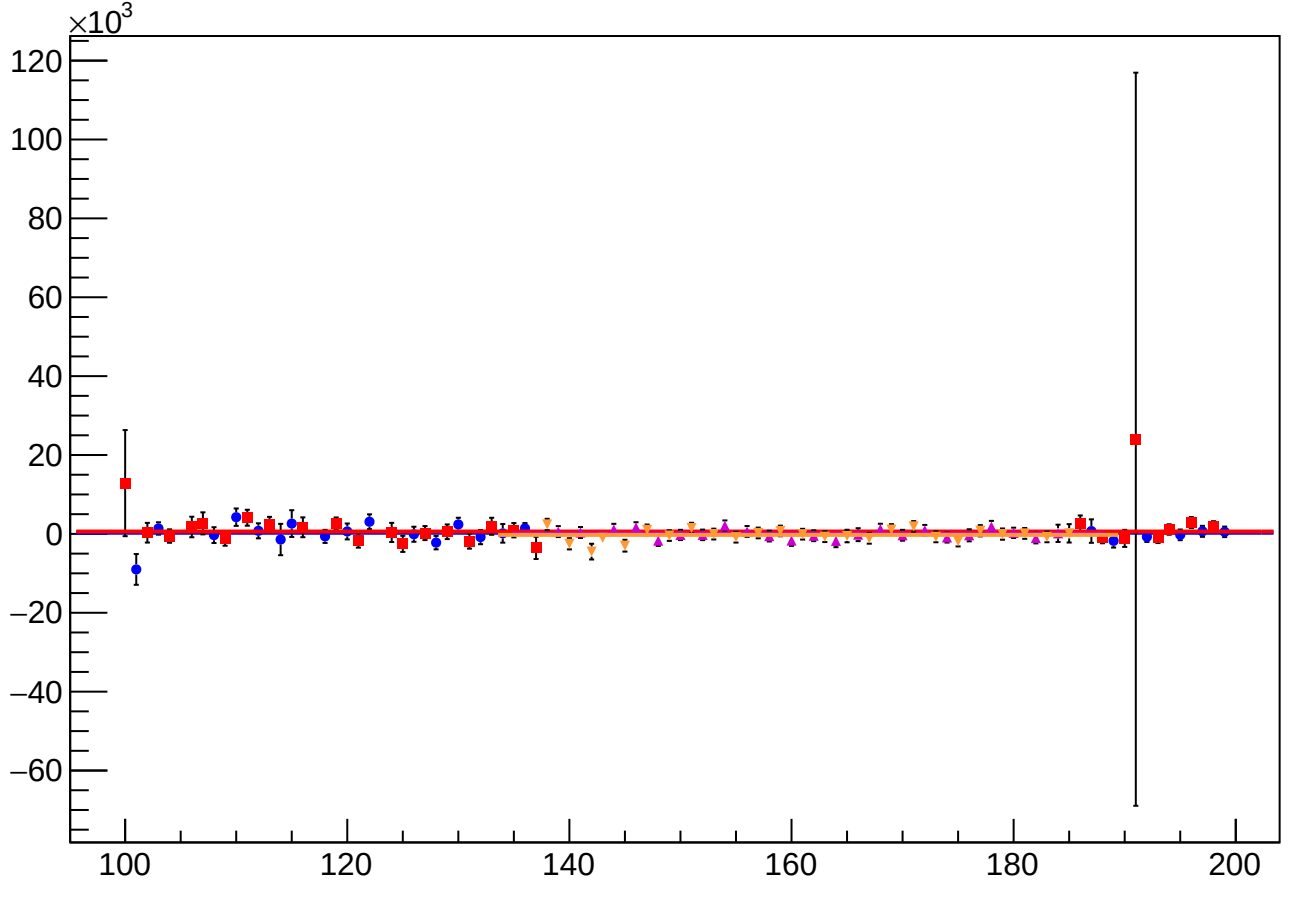
Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 657.967+/-0.090 χ^2/NDF: 8315060.4/46

All: 660.237+/-0.064 χ^2/NDF: 17063045.8/96

- sign 662.560+/-0.091 χ^2/NDF: 8746705.8/49



Right In: 292.883+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 598.470+/-366.000 χ^2/NDF: 24.4/26

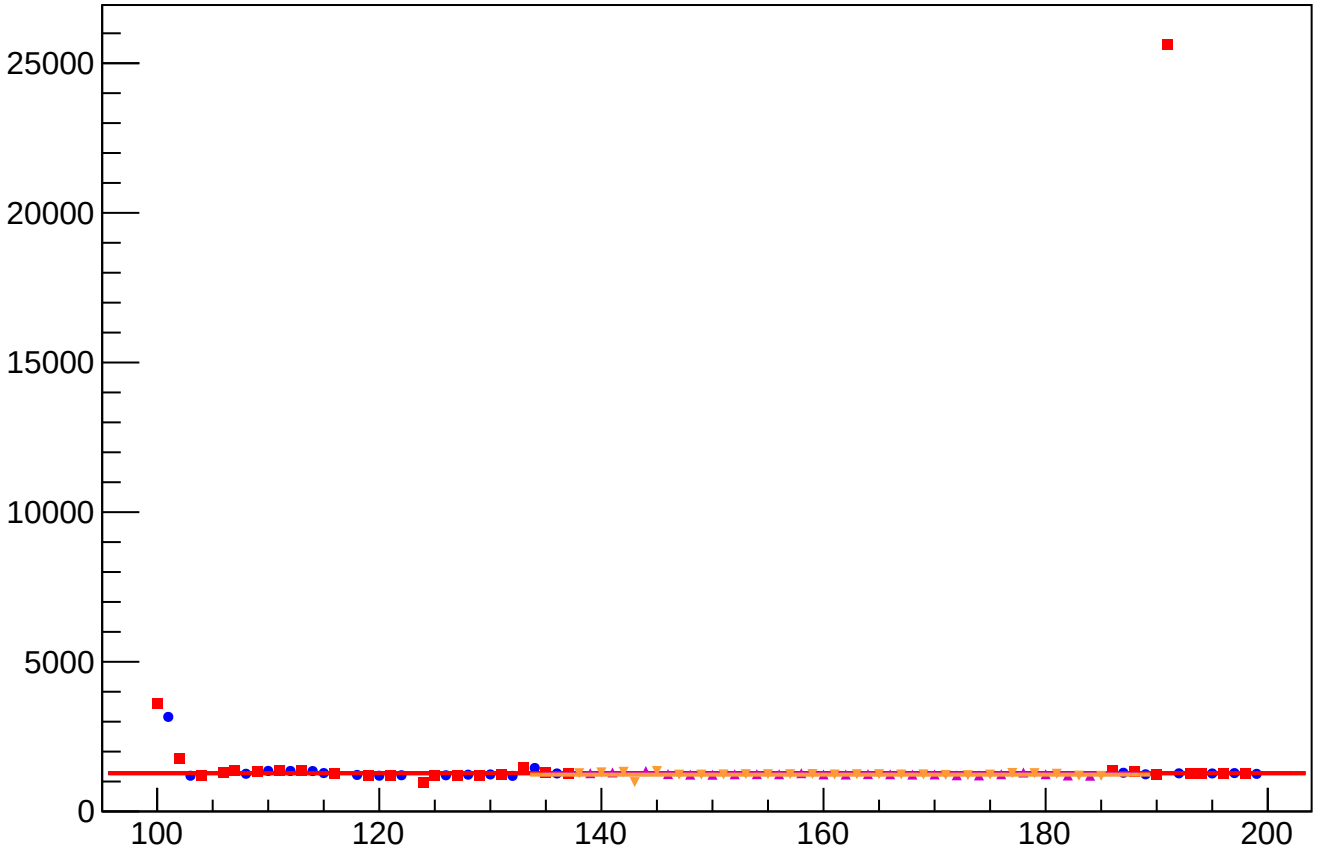
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -59.660+/-225.399 χ^2/NDF: 45.2/46

All: 107.267+/-160.292 χ^2/NDF: 85.9/96

- sign 278.065+/-227.998 χ^2/NDF: 39.6/49

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.0/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

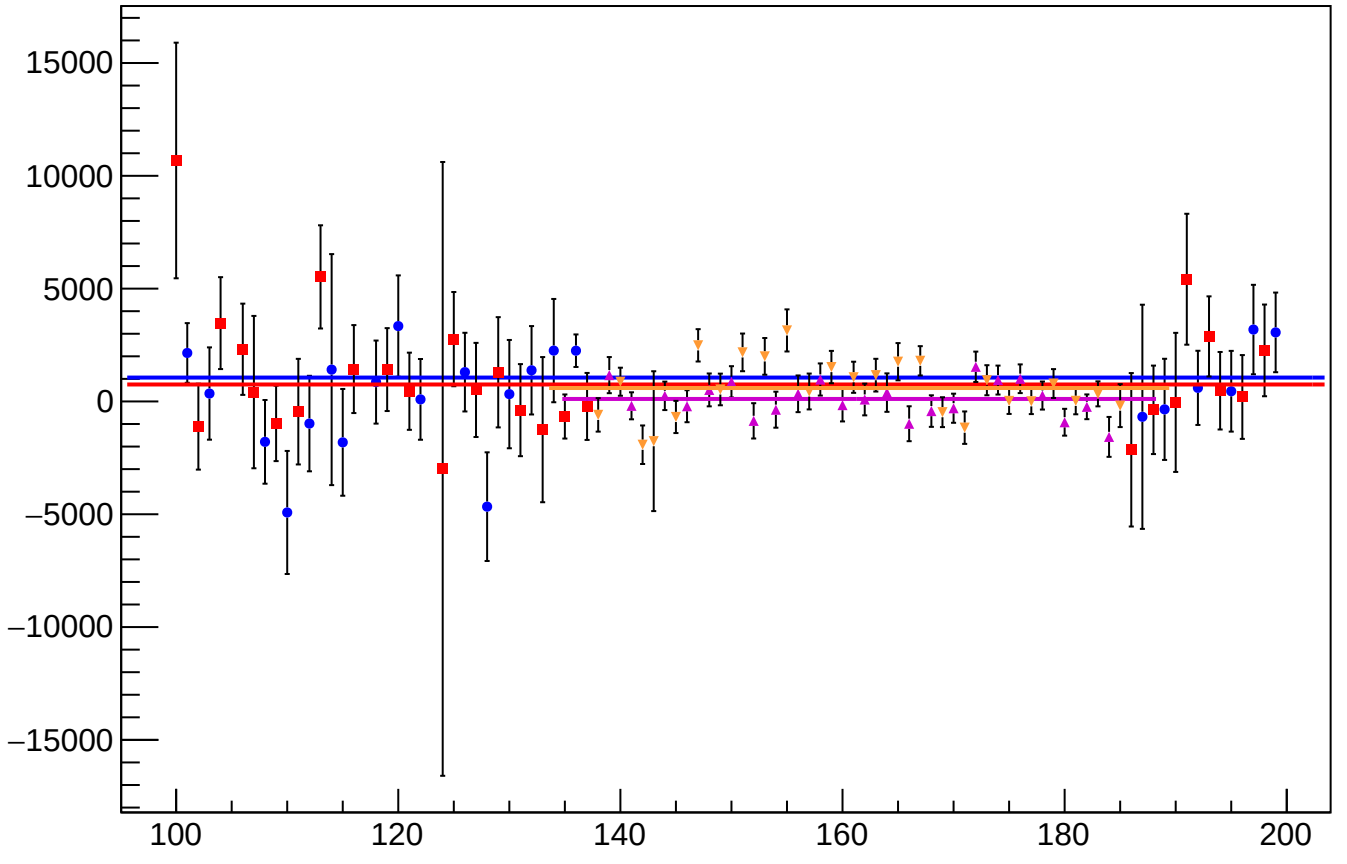
Right Out: 1280.724+/-0.259 χ^2/NDF: 368645.8/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.161+/-0.159 χ^2/NDF: 669349.1/46

All: 1253.282+/-0.113 χ^2/NDF: 1079286.1/96

- sign 1260.567+/-0.161 χ^2/NDF: 405899.1/49



Right In: 1058.125+/-377.211 χ^2/NDF: 23.6/21

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 751.626+/-384.991 χ^2/NDF: 23.0/26

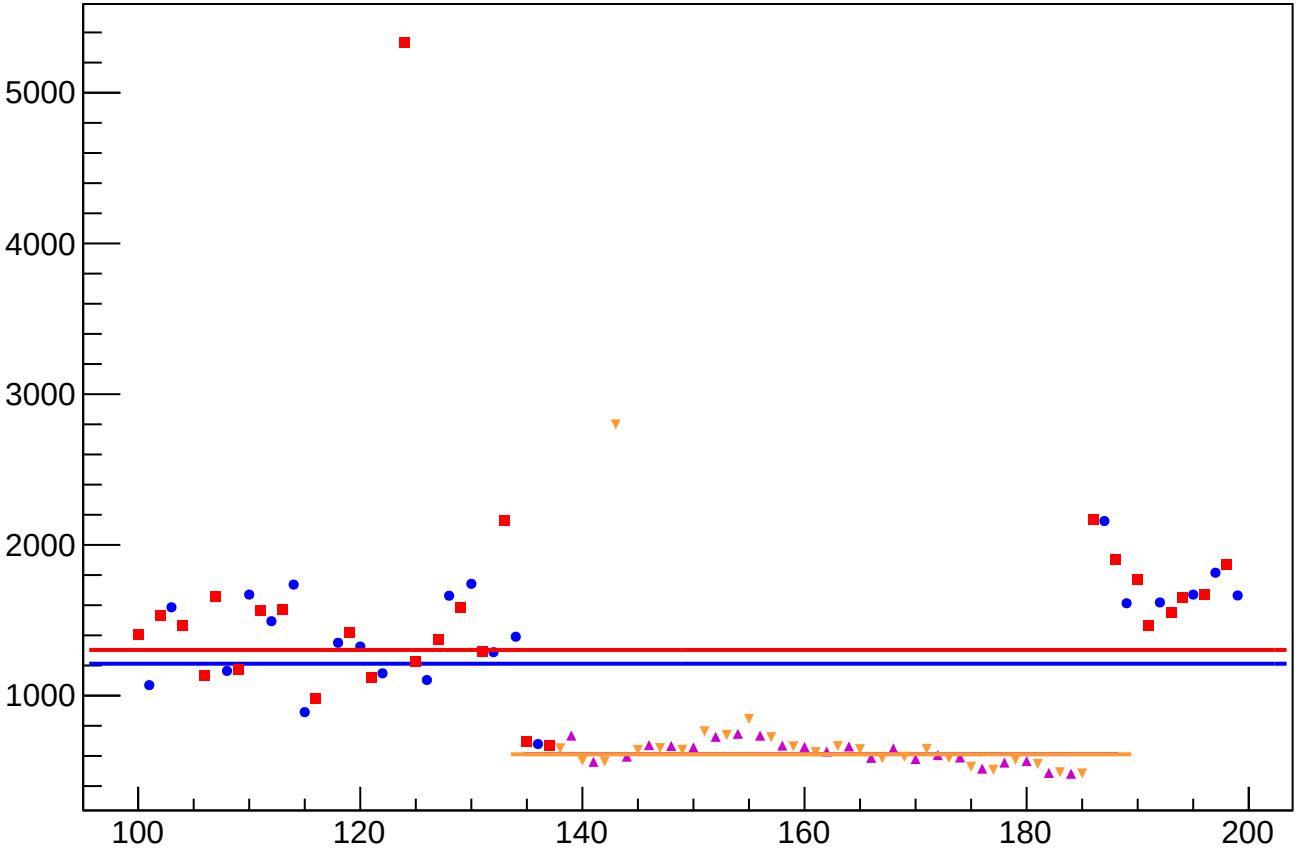
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 652.577+/-133.002 χ^2/NDF: 82.3/46

All: 424.450+/-94.768 χ^2/NDF: 139.4/96

- sign 189.192+/-135.065 χ^2/NDF: 51.2/49

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1211.853+/-0.267 χ^2/NDF: 2250247.7/21

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

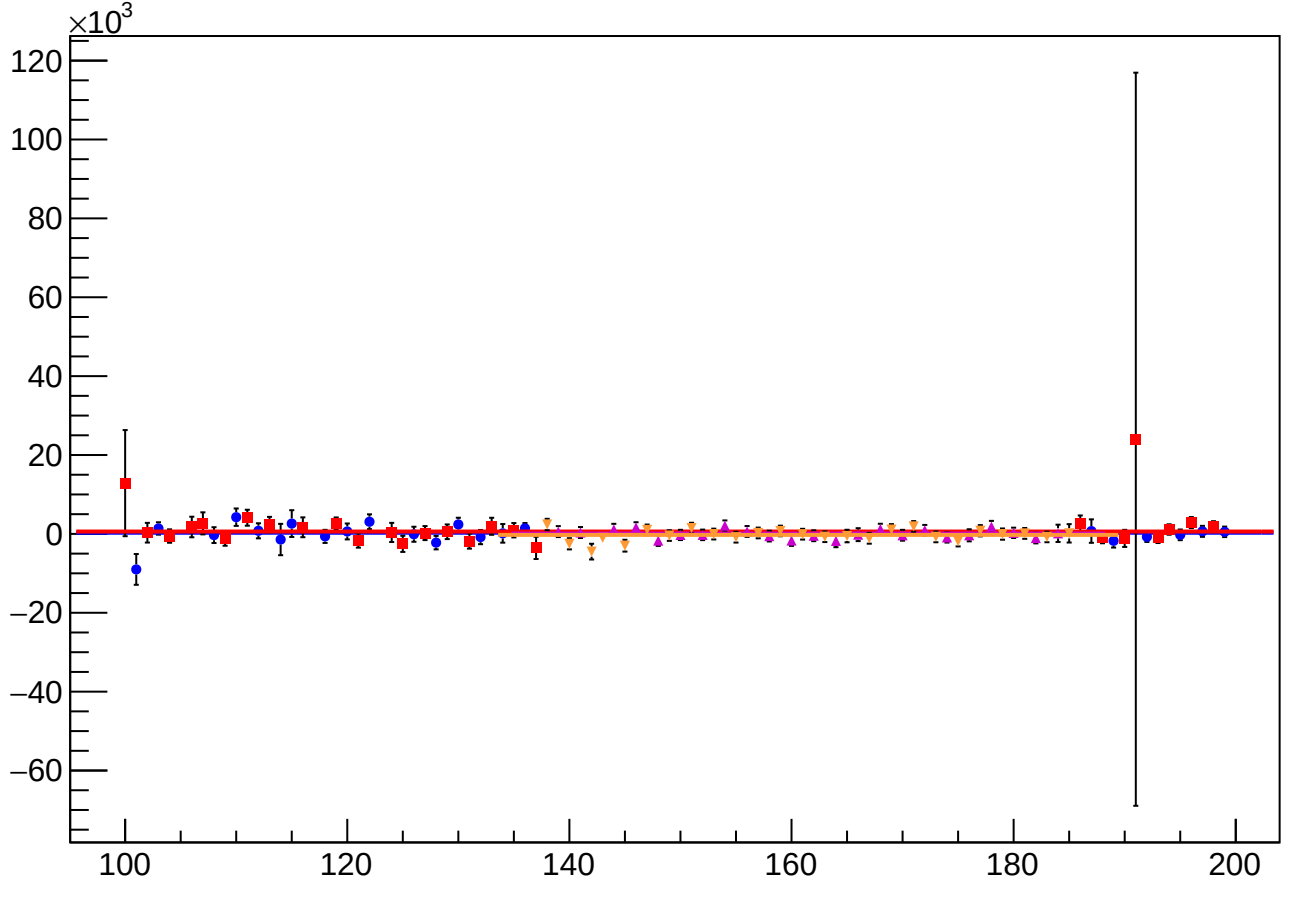
Right Out: 1303.250+/-0.272 χ^2/NDF: 2433704.8/26

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 685.775+/-0.094 χ^2/NDF: 8311959.7/46

All: 691.512+/-0.067 χ^2/NDF: 16909342.3/96

- sign 697.428+/-0.096 χ^2/NDF: 8589824.5/49



Right In: 292.885+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 598.470+/-366.000 χ^2/NDF: 24.4/26

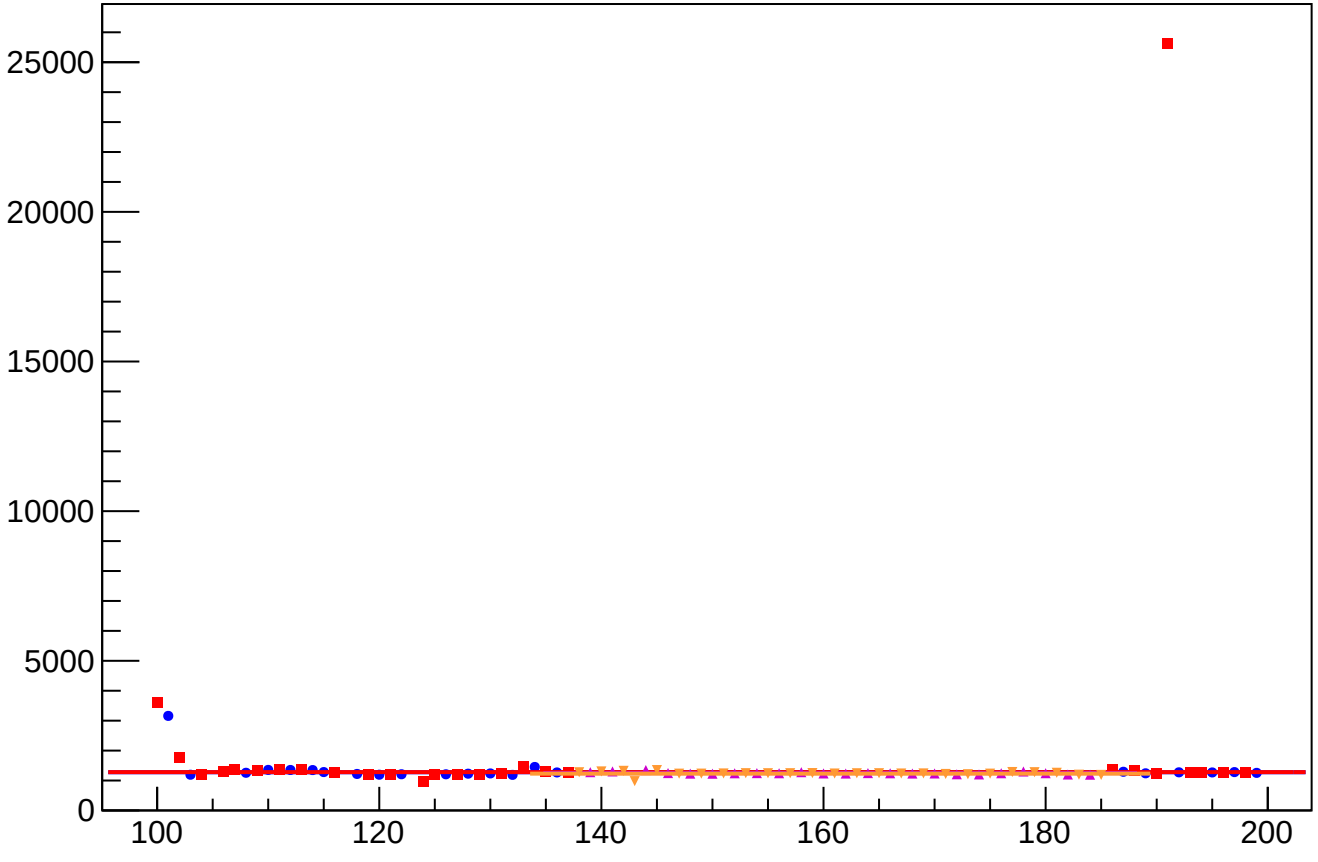
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -59.661+/-225.399 χ^2/NDF: 45.2/46

All: 107.267+/-160.292 χ^2/NDF: 85.9/96

- sign 278.065+/-227.998 χ^2/NDF: 39.6/49

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.1/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

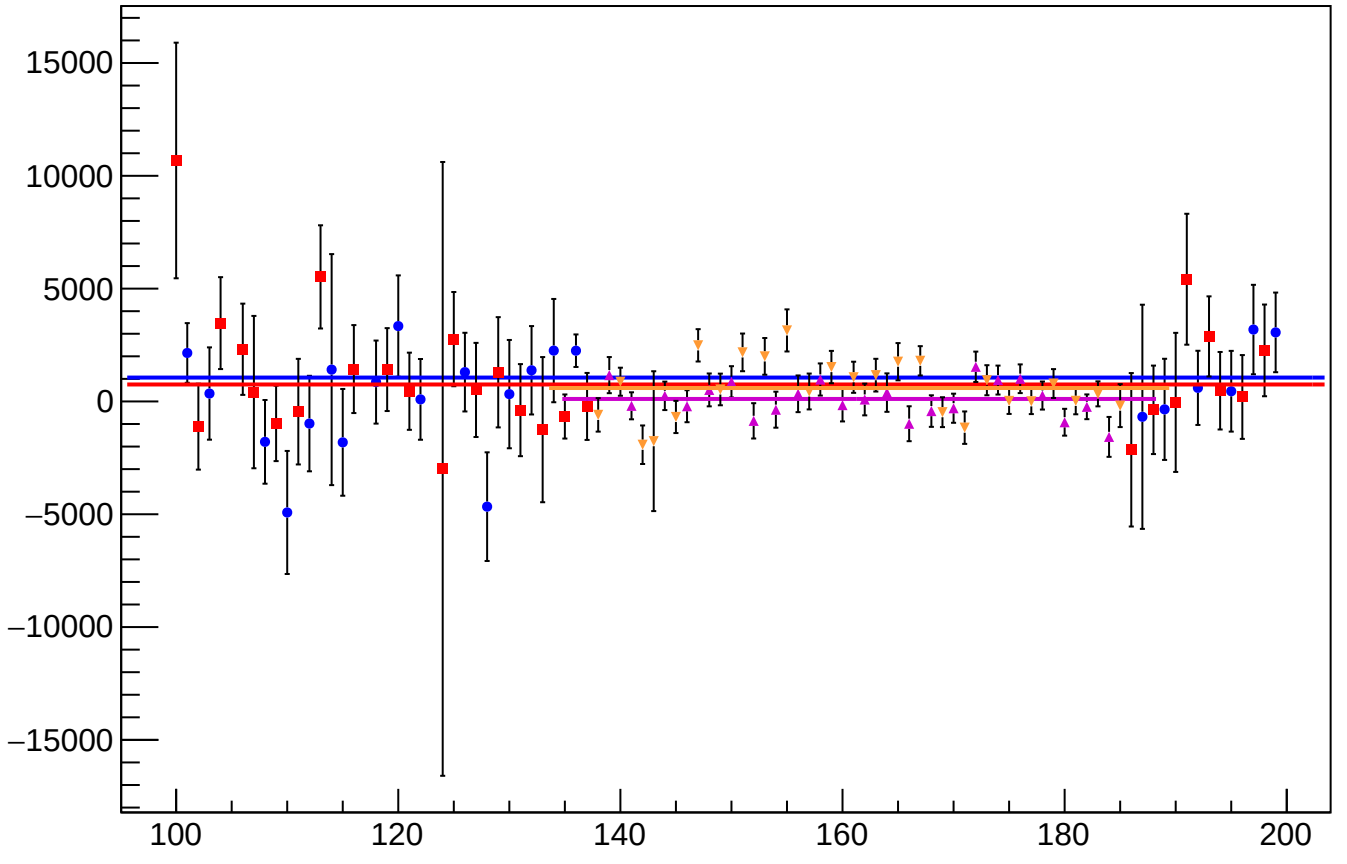
Right Out: 1280.723+/-0.259 χ^2/NDF: 368645.7/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.161+/-0.159 χ^2/NDF: 669348.2/46

All: 1253.282+/-0.113 χ^2/NDF: 1079285.1/96

- sign 1260.567+/-0.161 χ^2/NDF: 405899.0/49



Right In: 1058.122+/-377.212 χ^2/NDF: 23.6/21

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

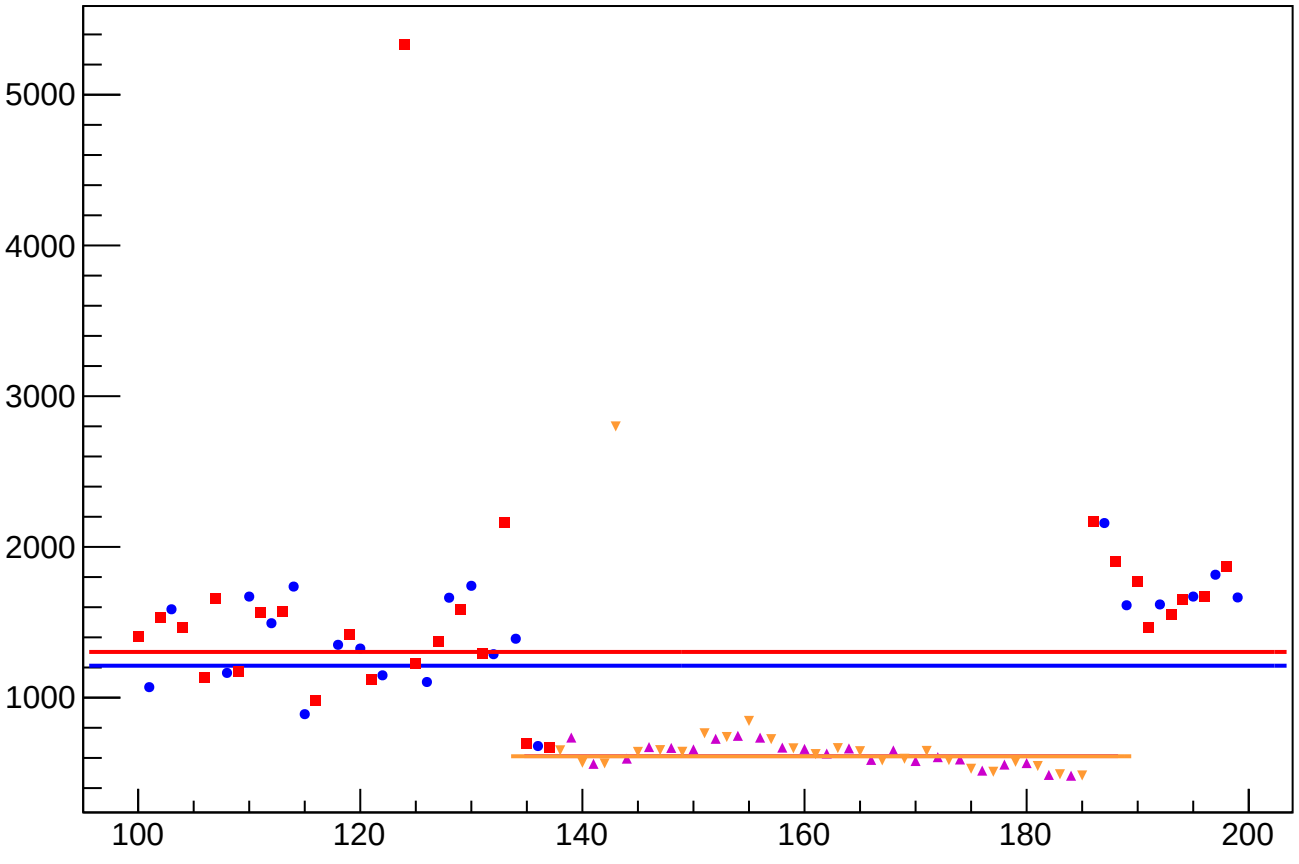
Right Out: 751.637+/-384.992 χ^2/NDF: 23.0/26

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 652.576+/-133.002 χ^2/NDF: 82.3/46

All: 424.449+/-94.768 χ^2/NDF: 139.4/96

- sign 189.192+/-135.065 χ^2/NDF: 51.2/49



Right In: 1211.859+/-0.267 χ^2/NDF: 2250169.1/21

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1303.256+/-0.272 χ^2/NDF: 2433626.0/26

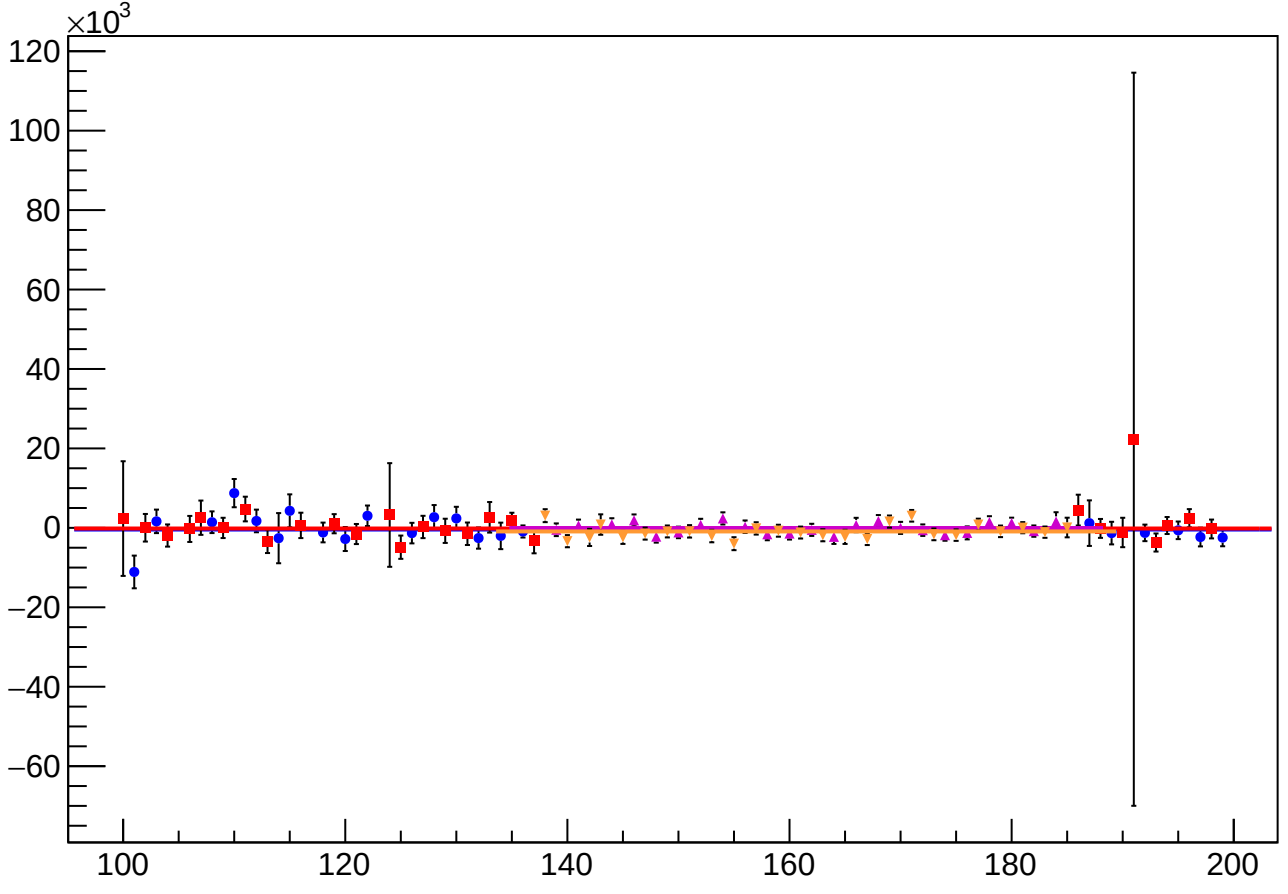
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

\+ sign 685.775+/-0.094 χ^2/NDF: 8311945.1/46

All: 691.512+/-0.067 χ^2/NDF: 16909332.8/96

\- sign 697.428+/-0.096 χ^2/NDF: 8589830.3/49

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -419.068+/-575.072 χ^2/NDF: 23.7/21

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -164.802+/-564.435 χ^2/NDF: 15.7/26

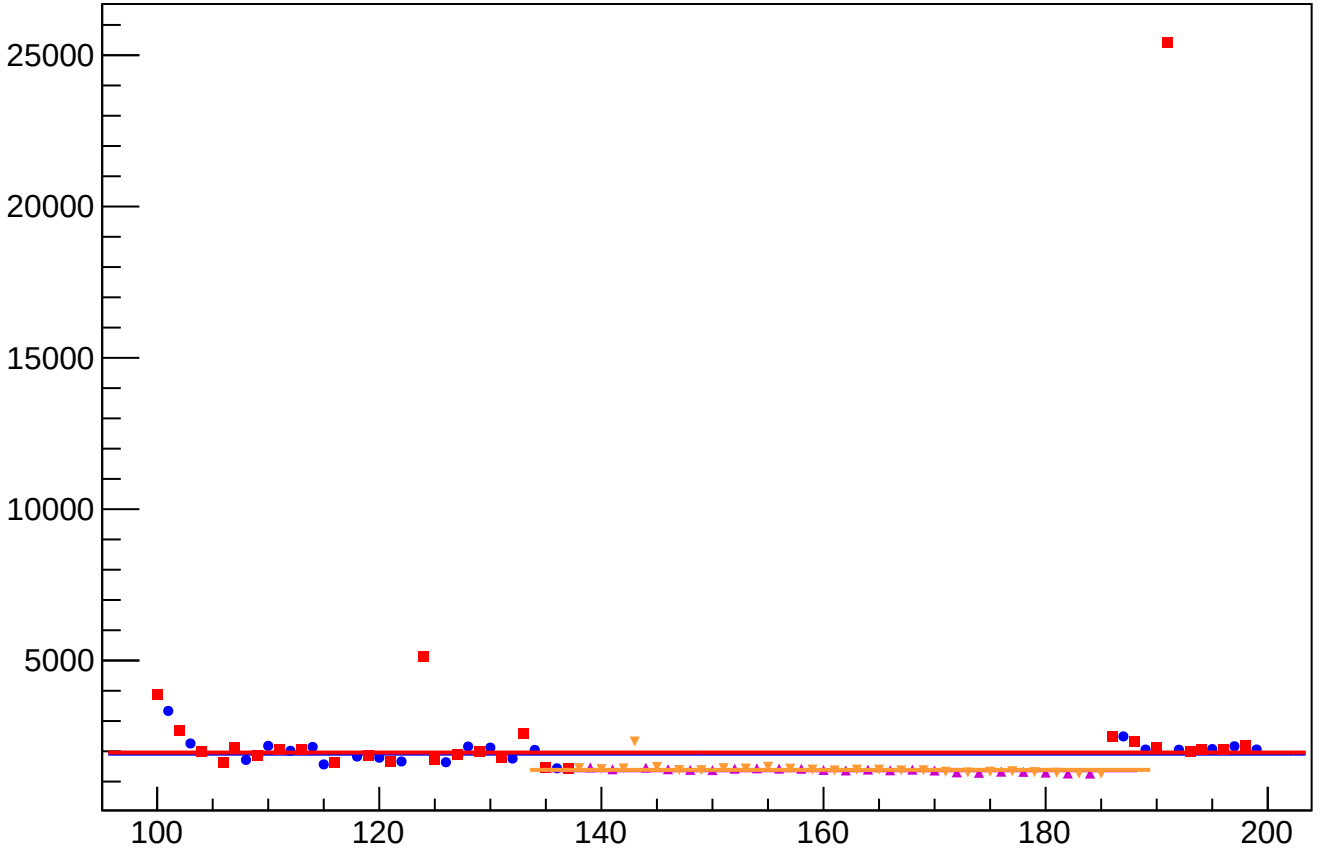
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -788.138+/-277.245 χ^2/NDF: 54.1/46

All: -434.630+/-196.654 χ^2/NDF: 91.0/96

- sign -76.670+/-278.985 χ^2/NDF: 33.6/49

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1921.514+/-0.407 χ^2/NDF: 656023.6/21

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

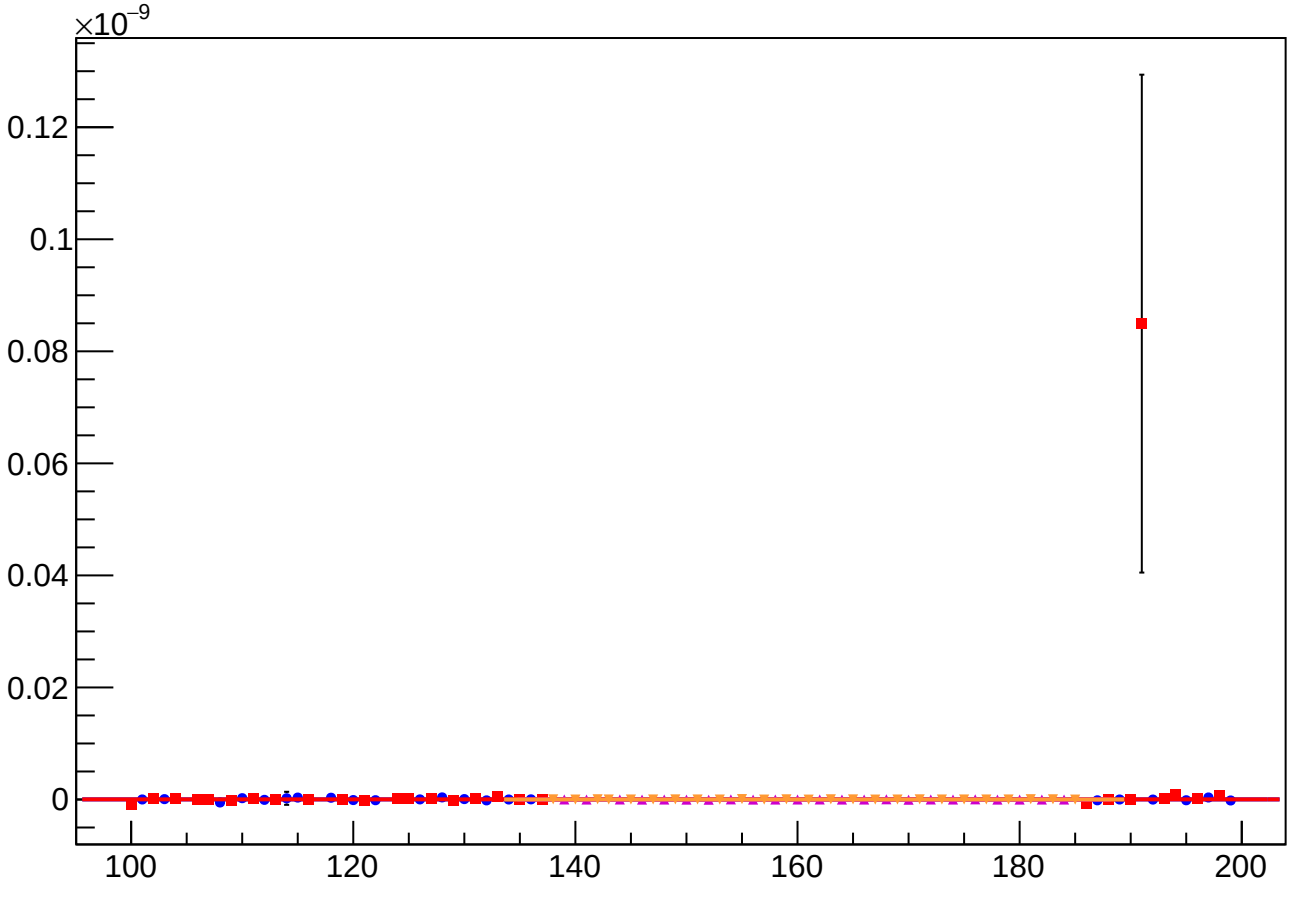
Right Out: 1959.803+/-0.399 χ^2/NDF: 809243.5/26

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1511.116+/-0.196 χ^2/NDF: 2322838.3/46

All: 1513.803+/-0.139 χ^2/NDF: 4829290.2/96

- sign 1516.525+/-0.197 χ^2/NDF: 2506073.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

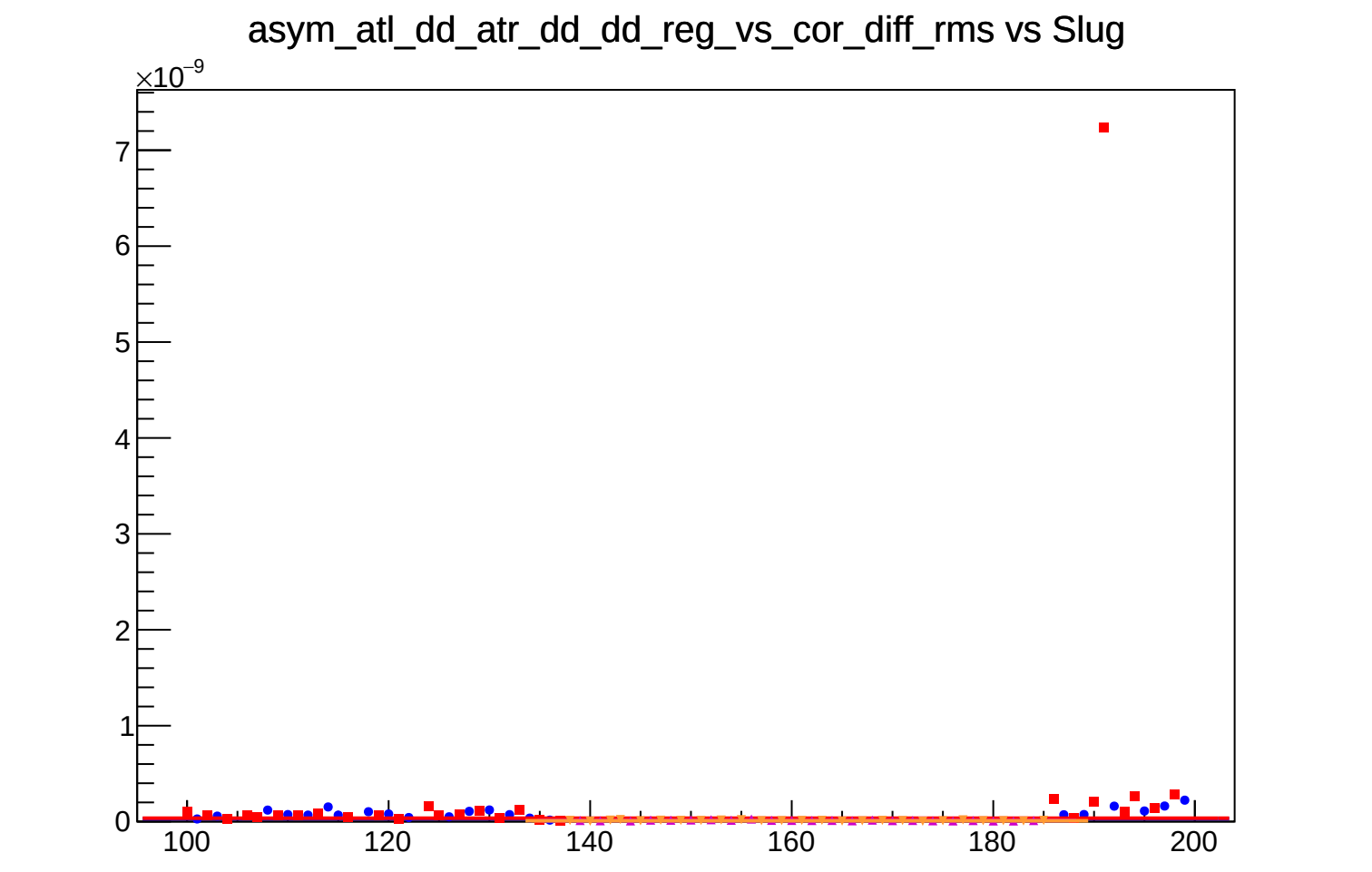
Right Out: 0.000+/-0.000 χ^2/NDF: 42.5/26

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/46

All: 0.000+/-0.000 χ^2/NDF: 102.8/96

- sign -0.000+/-0.000 χ^2/NDF: 57.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 4766904.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4936678.5/26

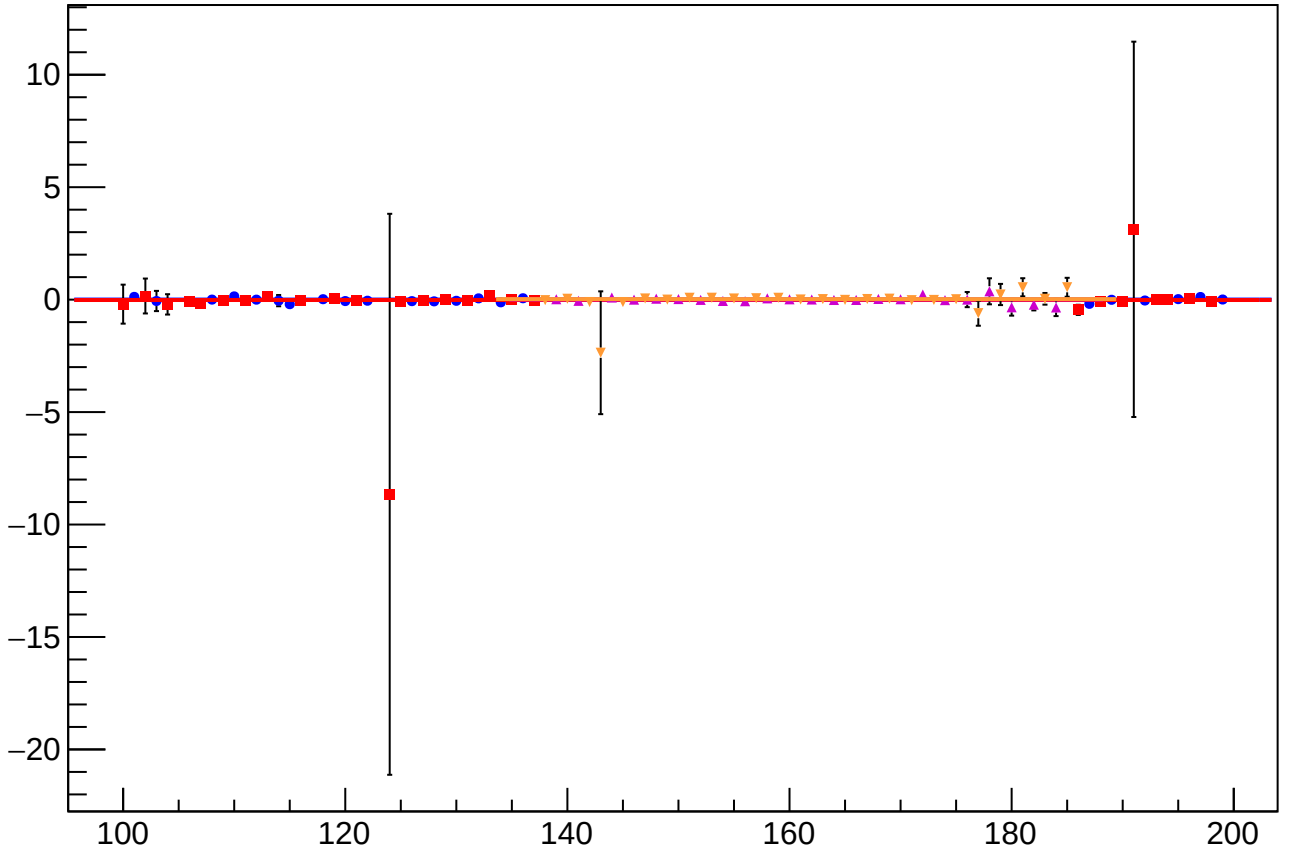
Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9518263.8/46

All: 0.000+/-0.000 χ^2/NDF: 18662217.8/96

- sign 0.000+/-0.000 χ^2/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: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

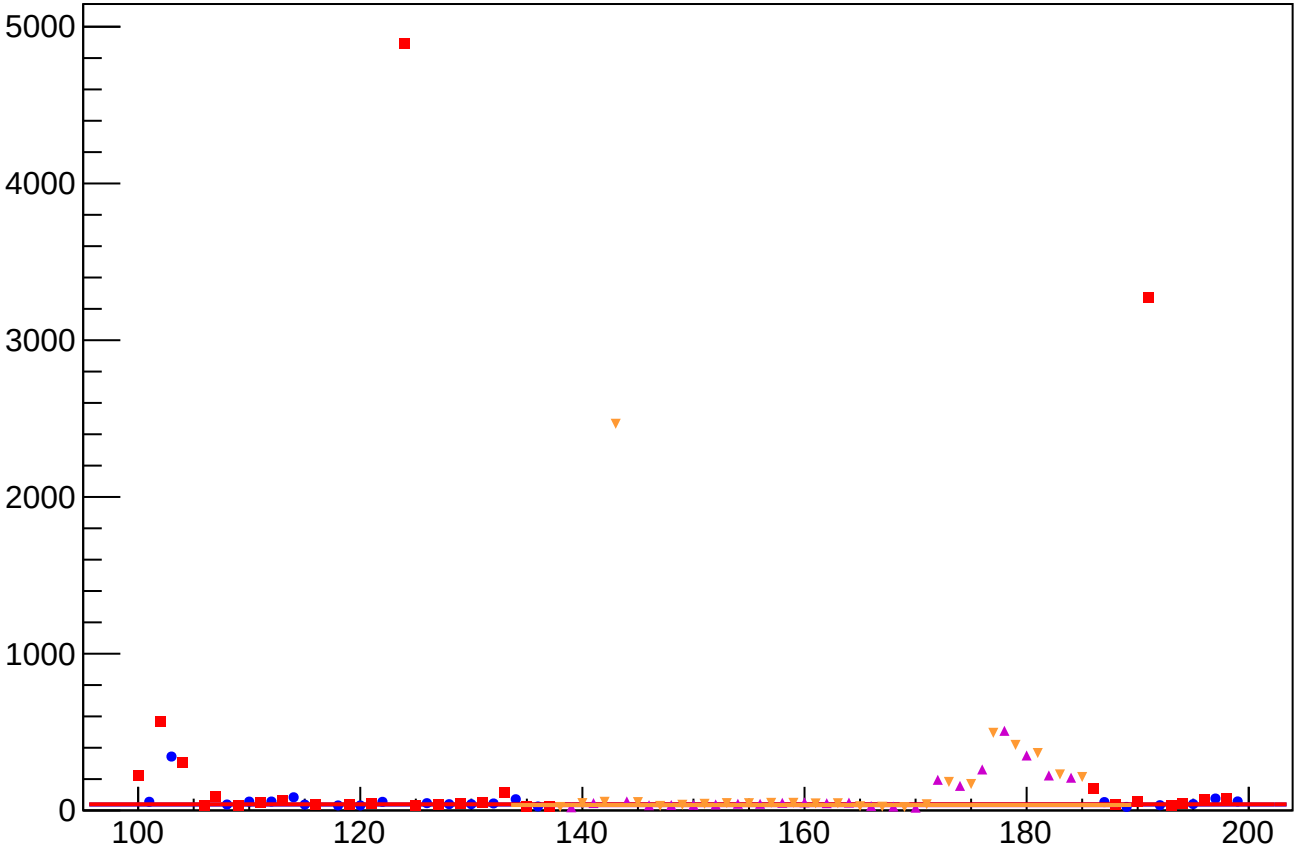
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.6/96

- 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: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

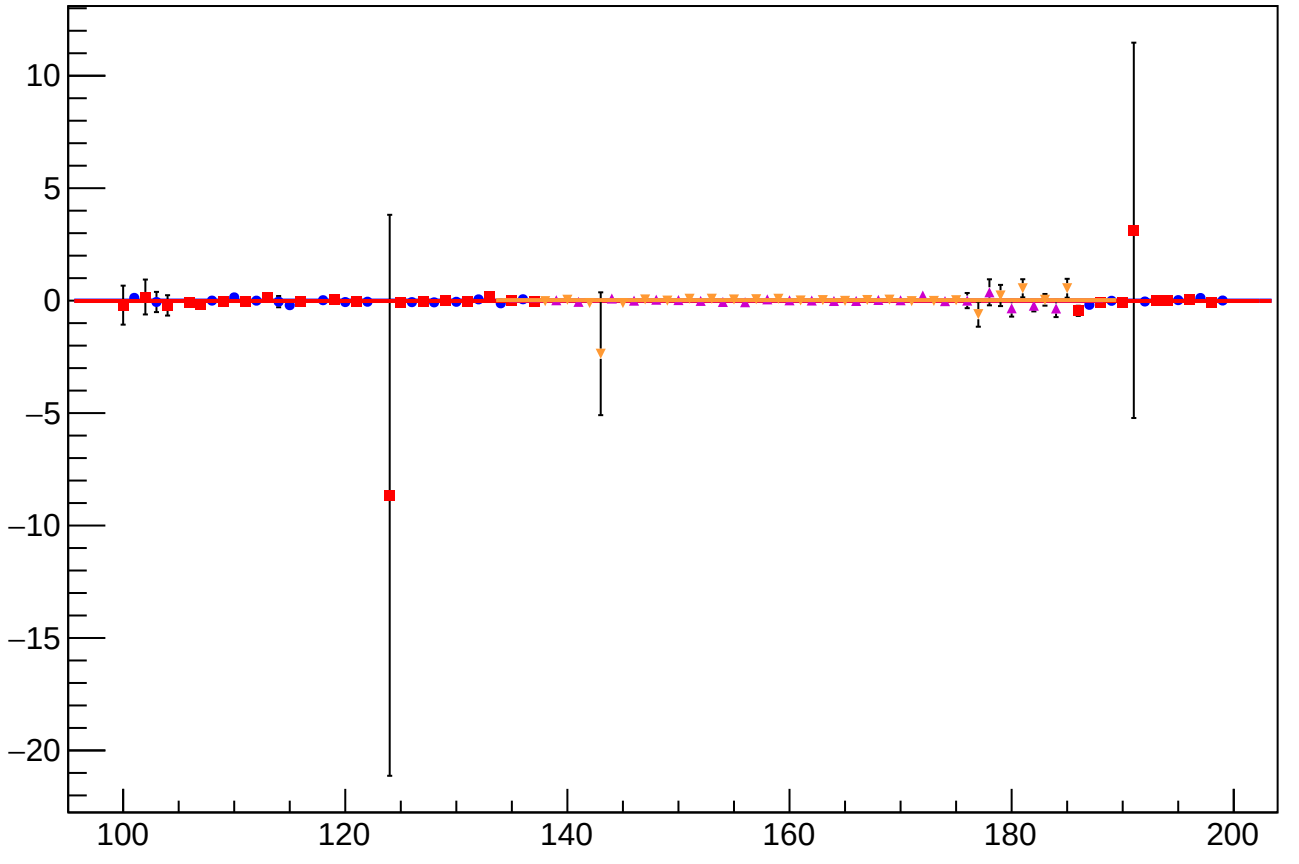
Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.767+/-0.006 χ^2/NDF: 14349384.1/46

All: 35.720+/-0.004 χ^2/NDF: 29356975.1/96

\- sign 35.674+/-0.006 χ^2/NDF: 15007457.4/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

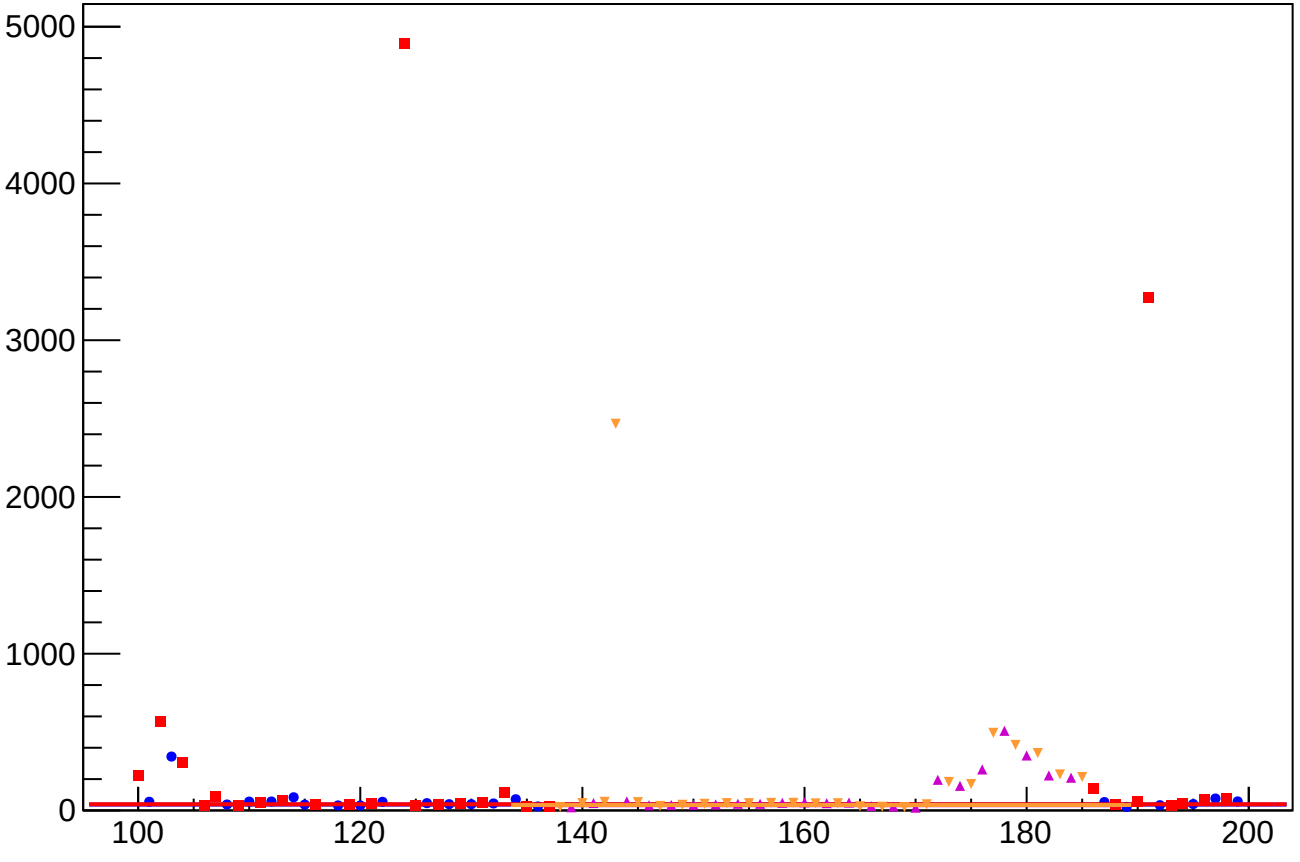
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

\+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.6/96

\- 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: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

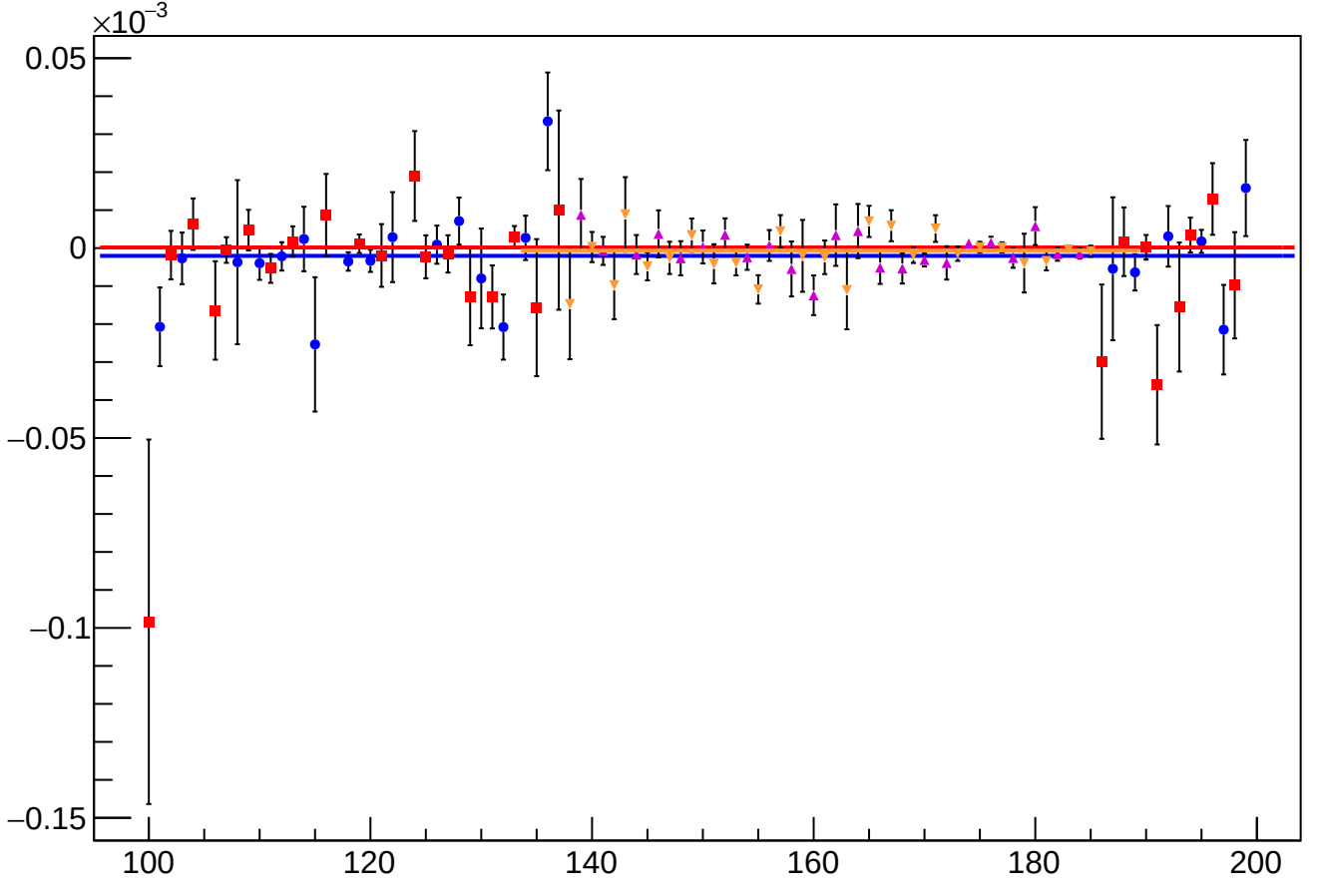
Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.767+/-0.006 χ^2/NDF: 14349384.1/46

All: 35.720+/-0.004 χ^2/NDF: 29356975.1/96

\- sign 35.674+/-0.006 χ^2/NDF: 15007457.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

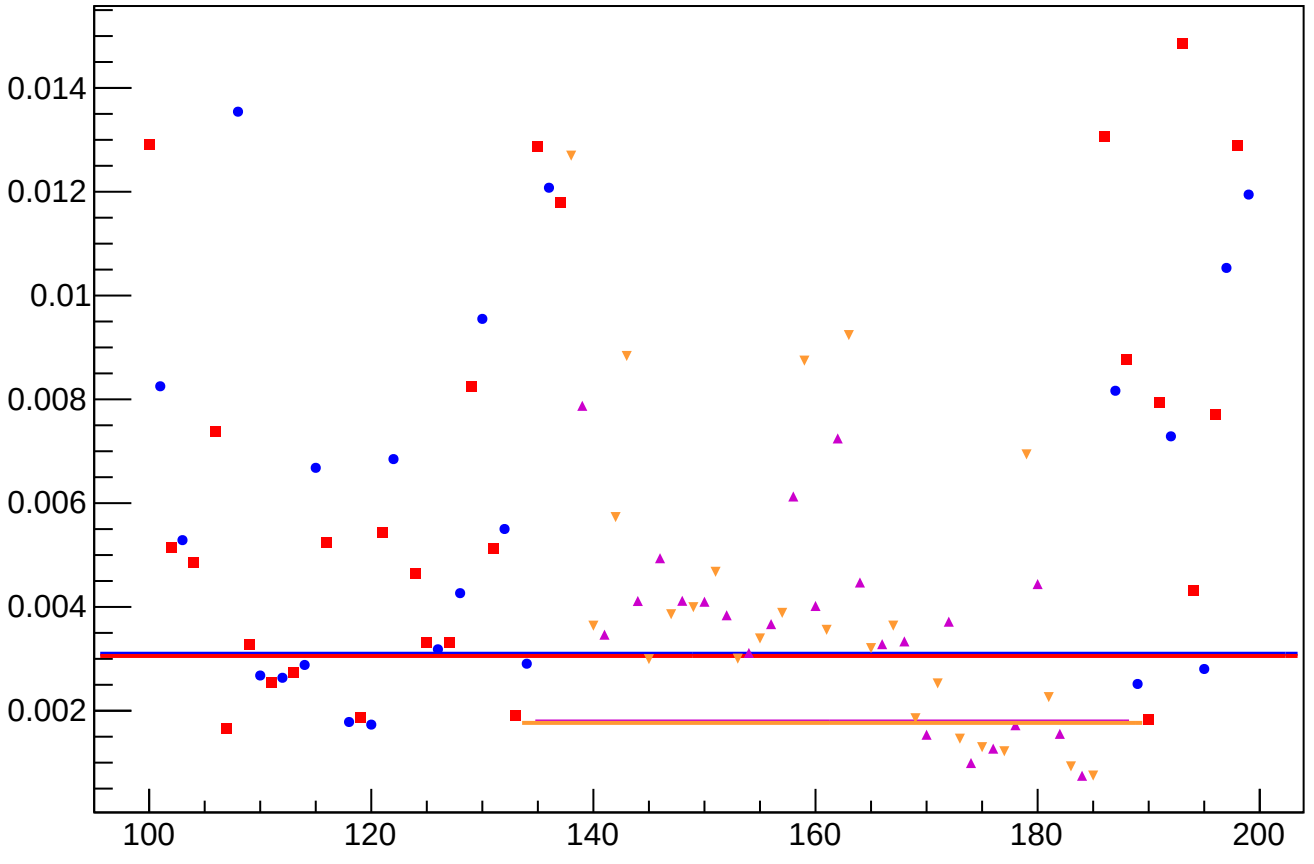
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/46

All: -0.000+/-0.000 χ^2/NDF: 112.0/96

- sign -0.000+/-0.000 χ^2/NDF: 52.5/49



Right In: 0.003+/-0.000 χ^2/NDF: 6726540.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

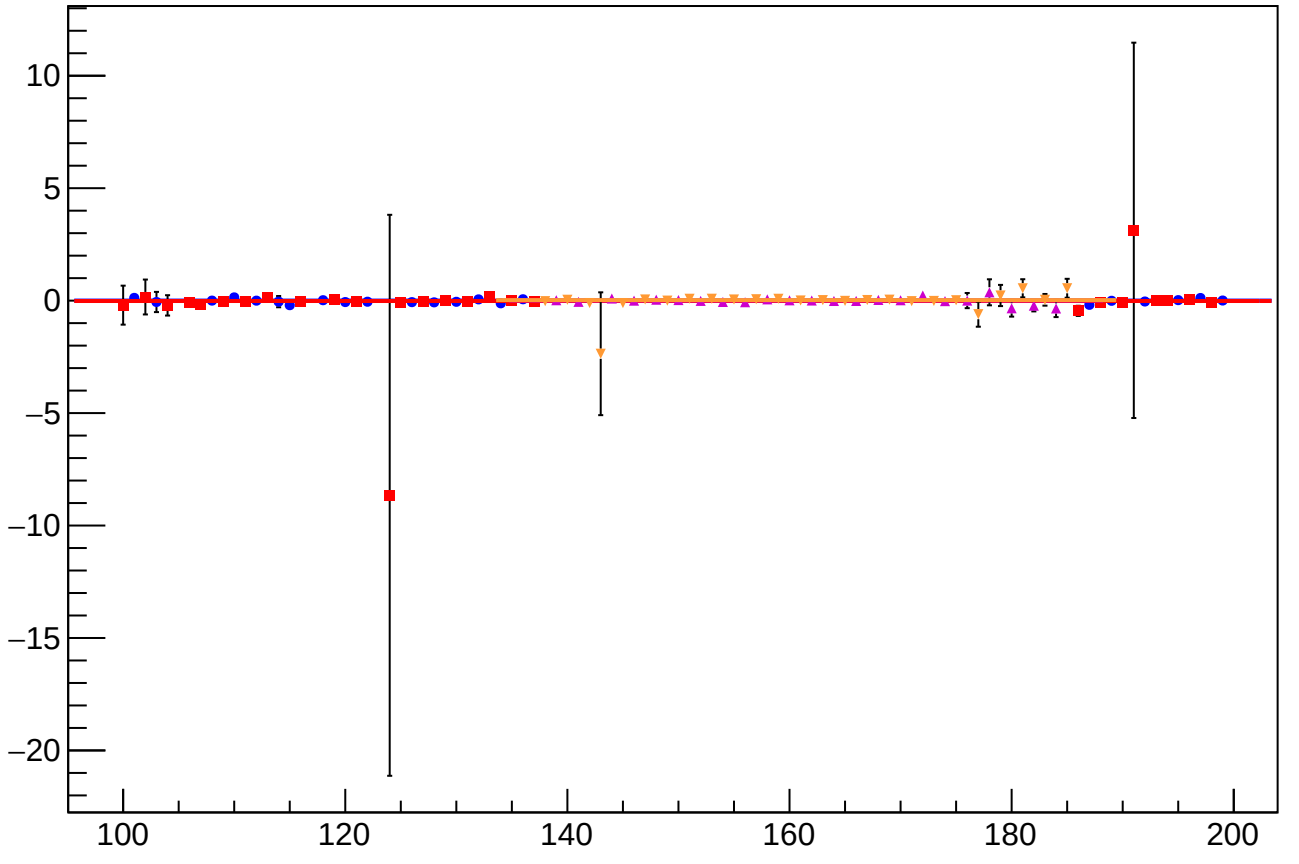
Right Out: 0.003+/-0.000 χ^2/NDF: 7780464.4/26

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 21927871.0/46

All: 0.002+/-0.000 χ^2/NDF: 42775001.3/96

- sign 0.002+/-0.000 χ^2/NDF: 20825104.4/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

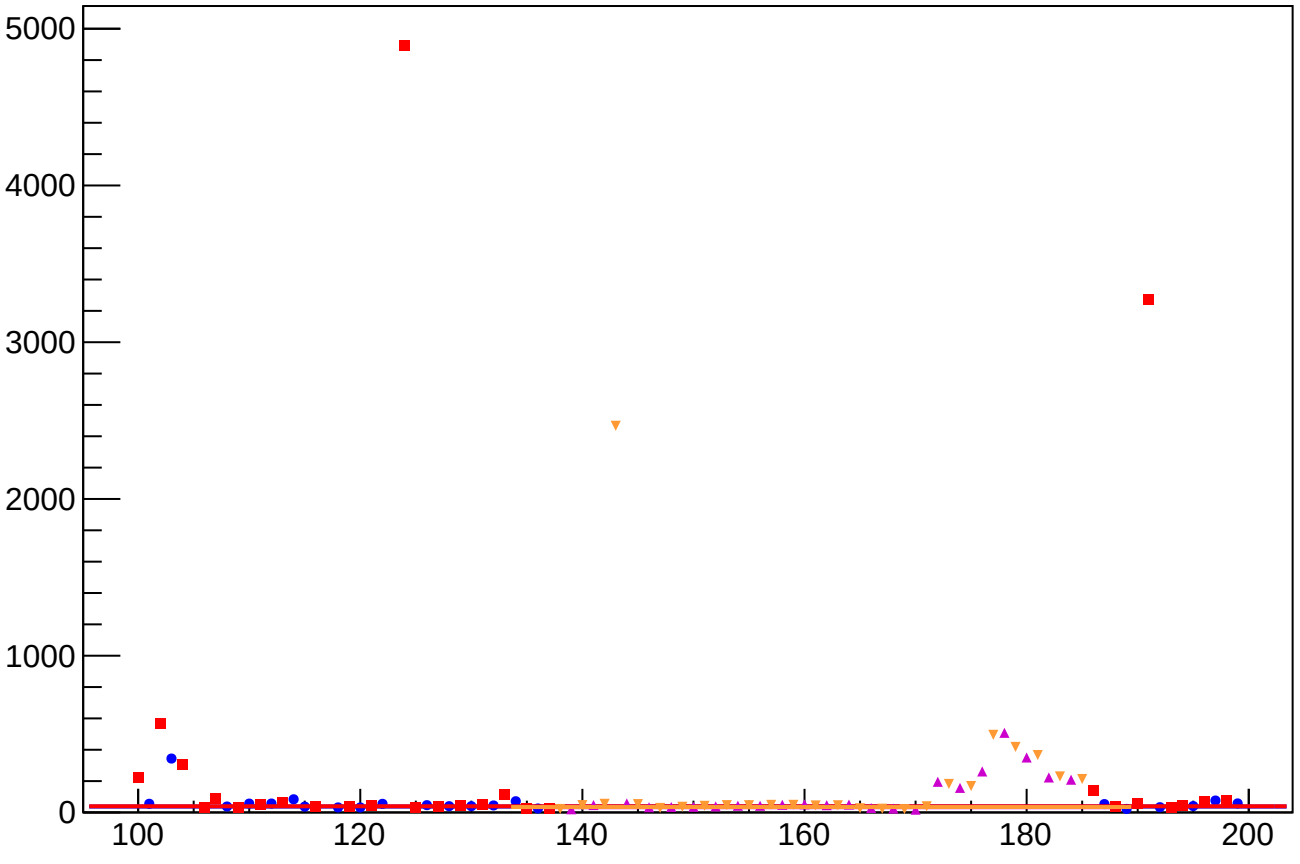
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.6/96

- sign 0.000+/-0.008 χ^2/NDF: 38.7/49



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

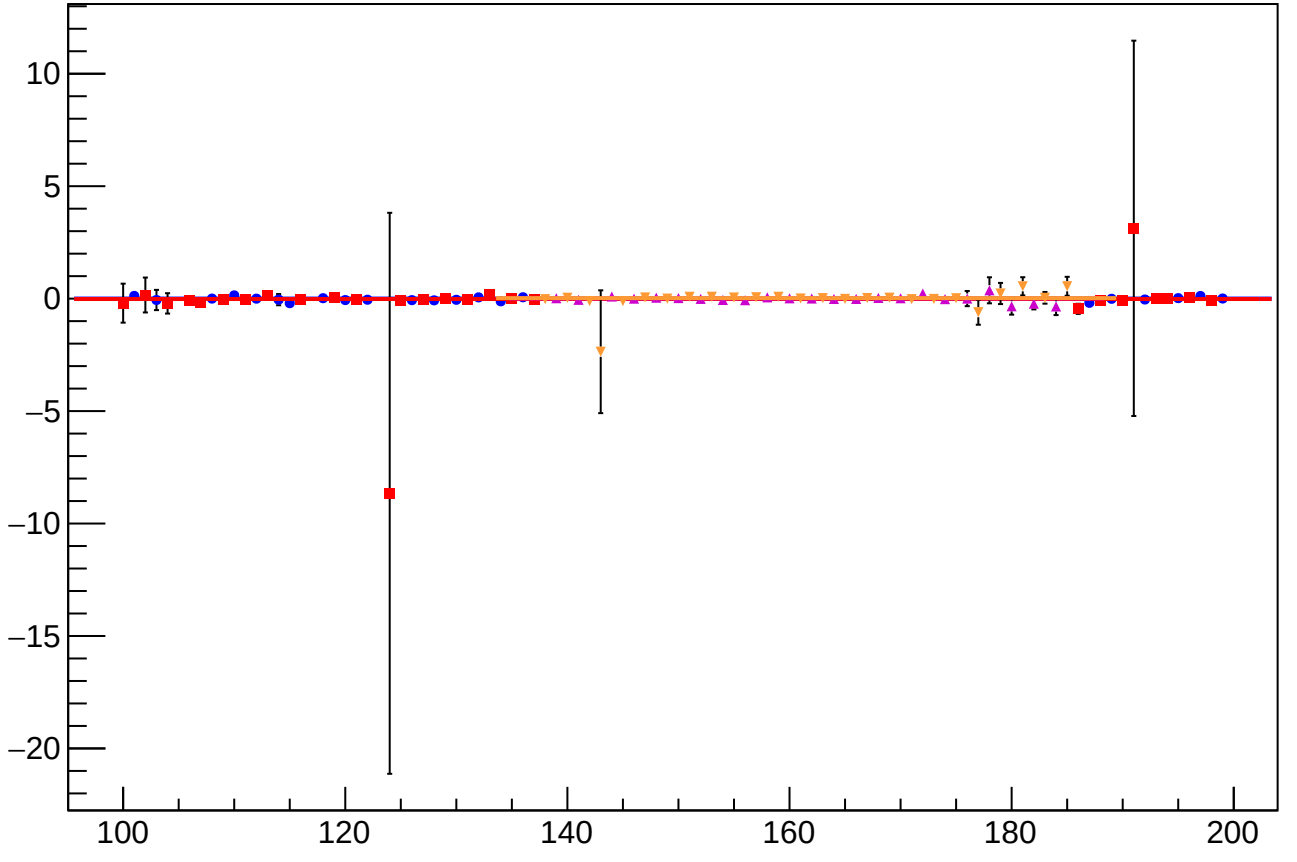
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.767+/-0.006 χ^2/NDF: 14348851.5/46

All: 35.721+/-0.004 χ^2/NDF: 29354774.1/96

\- 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: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

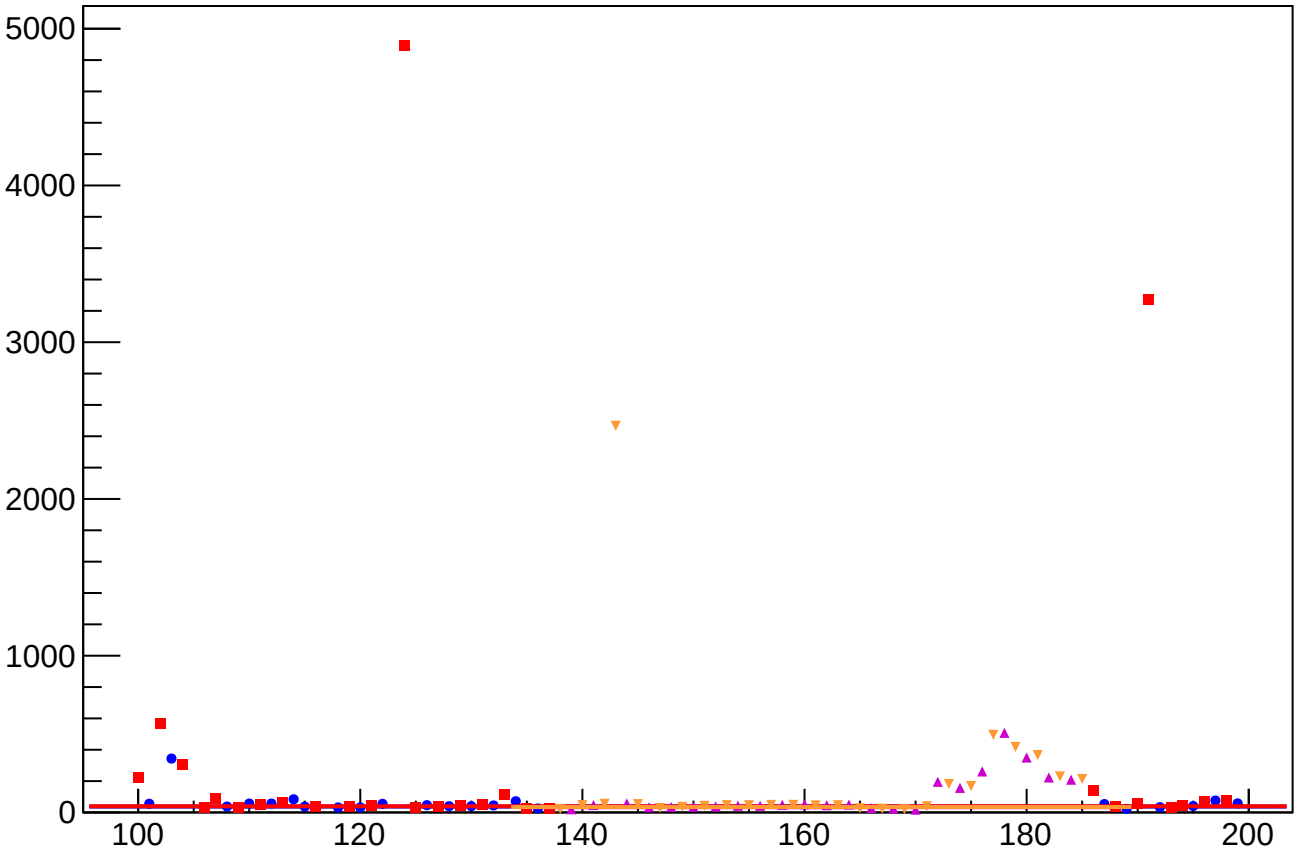
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.6/96

- sign 0.000+/-0.008 χ^2/NDF: 38.7/49



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

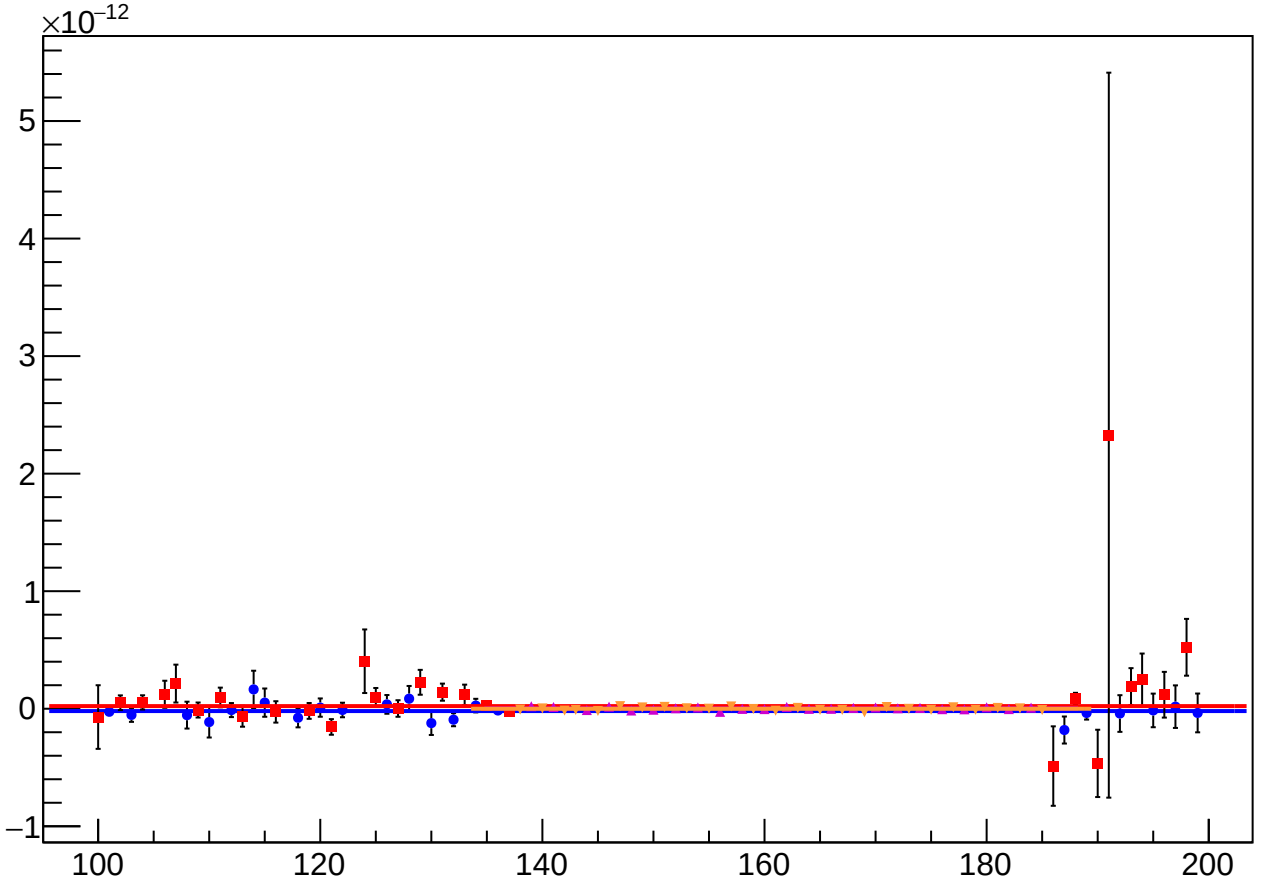
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.767+/-0.006 χ^2/NDF: 14348851.5/46

All: 35.721+/-0.004 χ^2/NDF: 29354774.1/96

- sign 35.676+/-0.006 χ^2/NDF: 15005793.7/49

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

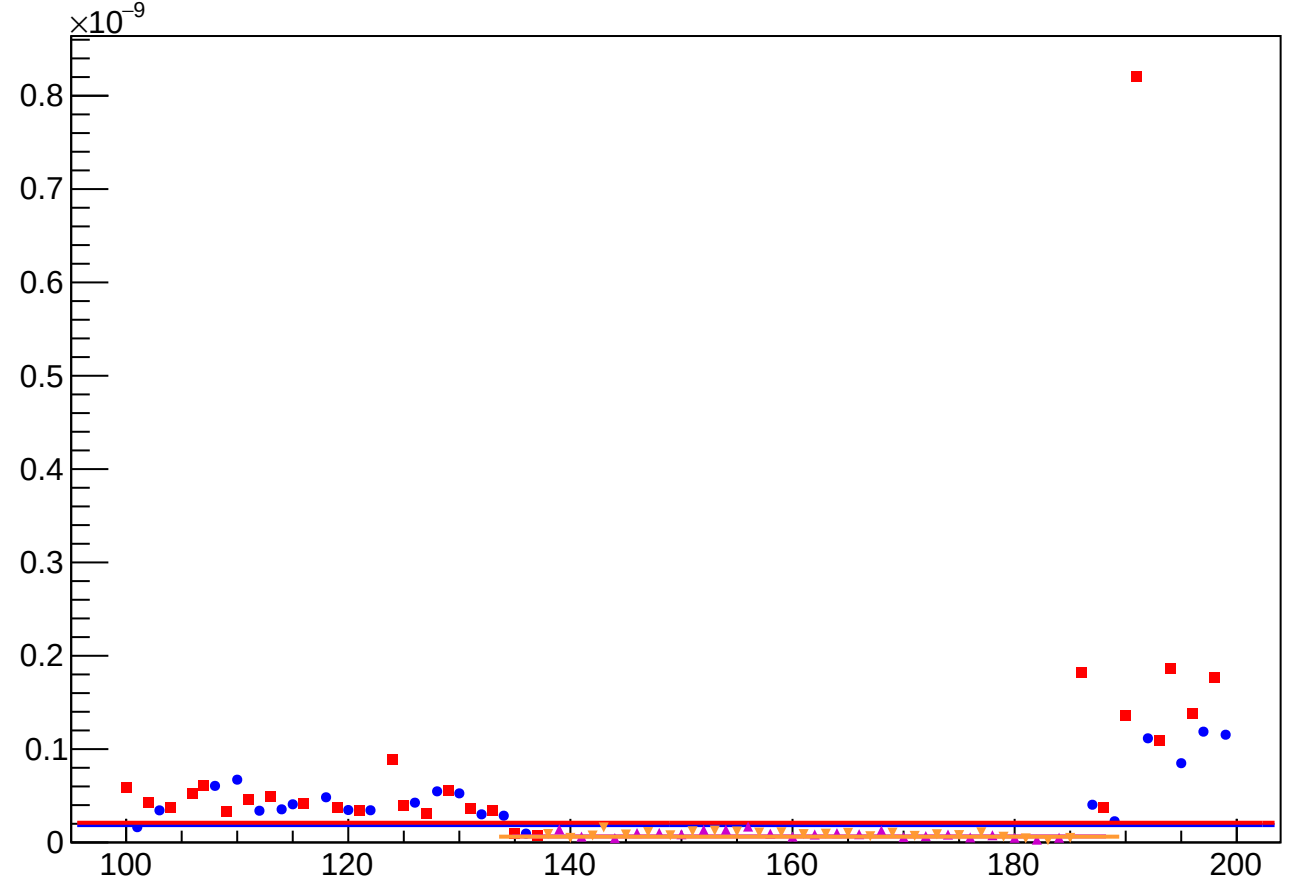
Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/26

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/46

All: 0.000+/-0.000 χ^2/NDF: 107.2/96

- sign 0.000+/-0.000 χ^2/NDF: 64.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 5787248.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8201798.2/26

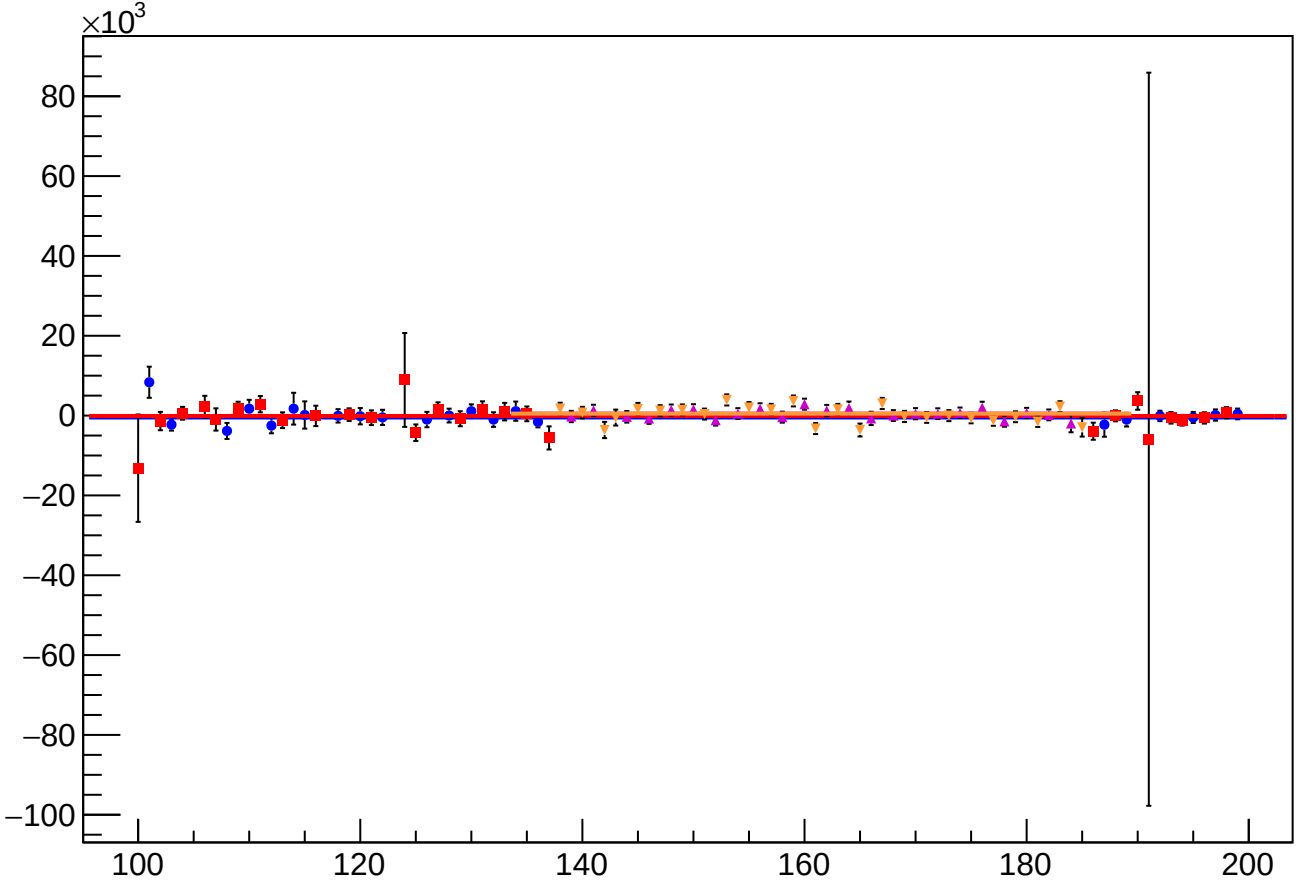
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14015540.8/46

All: 0.000+/-0.000 χ^2/NDF: 29824706.9/96

- sign 0.000+/-0.000 χ^2/NDF: 15784065.7/49

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -94.811+/-372.963 χ^2/NDF: 23.3/26

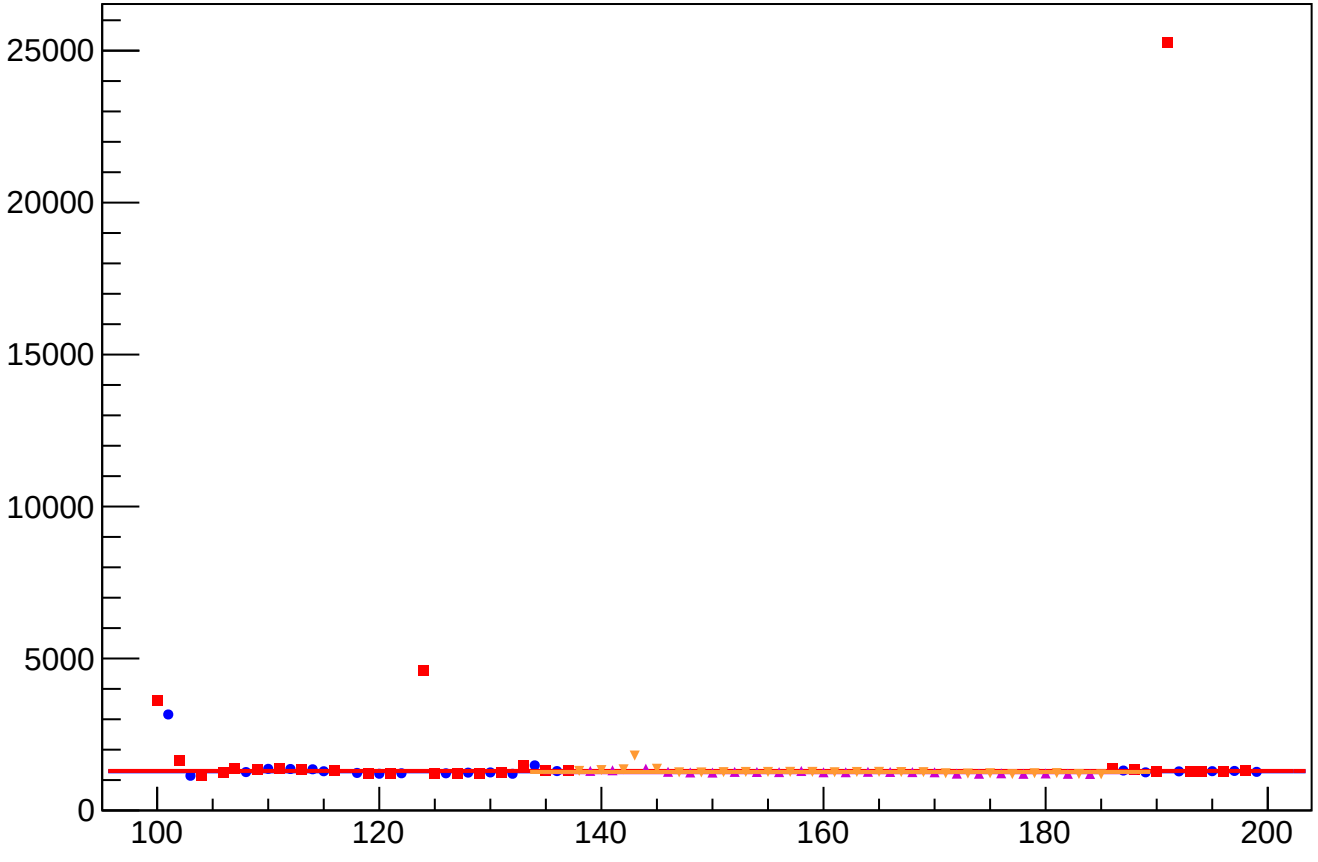
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 142.192+/-230.548 χ^2/NDF: 66.1/46

All: 203.100+/-163.103 χ^2/NDF: 105.5/96

- sign 264.130+/-230.777 χ^2/NDF: 39.2/49

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

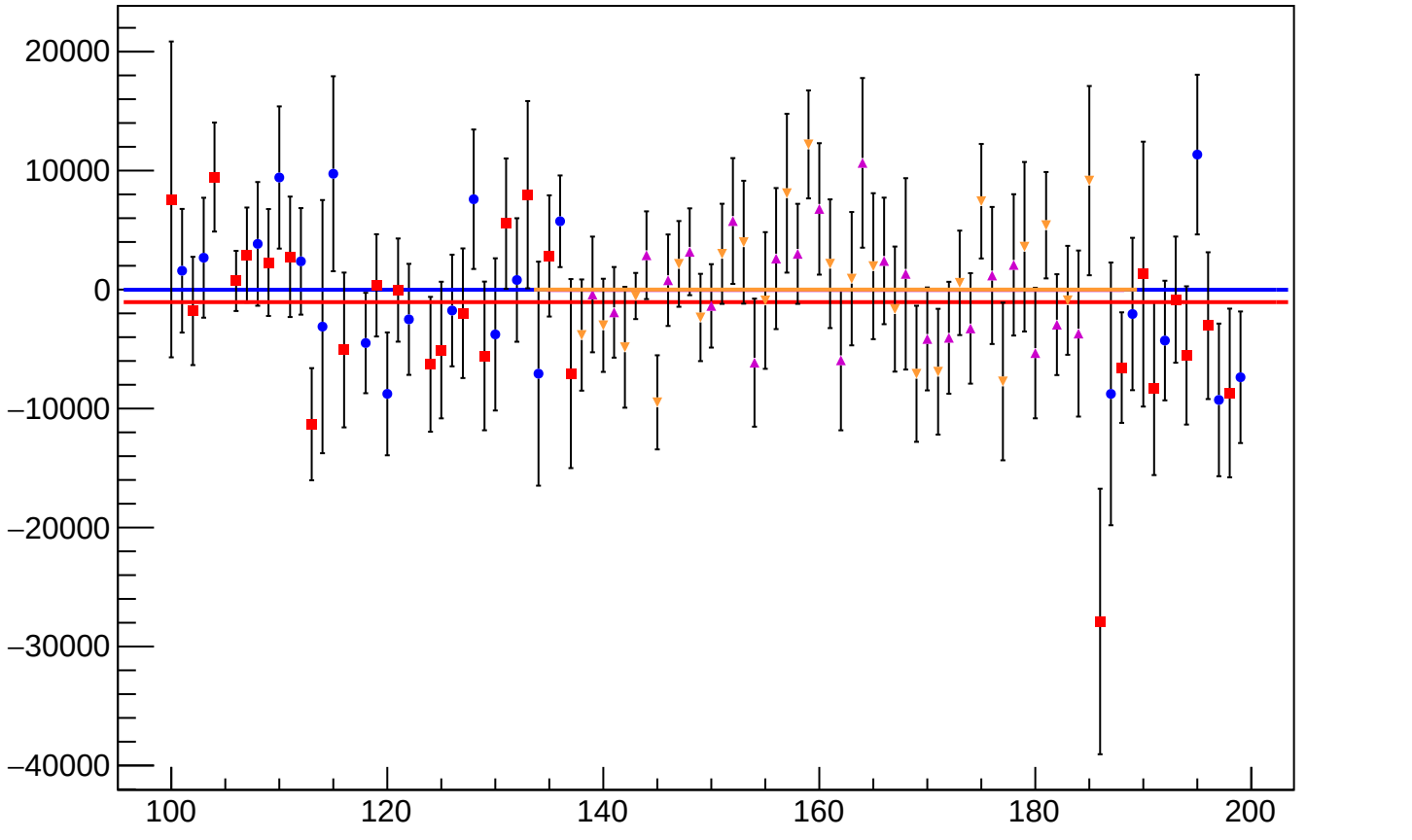
Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707221.8/46

All: 1274.191+/-0.115 χ^2/NDF: 1226377.1/96

- sign 1274.090+/-0.163 χ^2/NDF: 519154.5/49



Right In: -14.713+/-1177.908 χ^2/NDF: 22.6/21

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

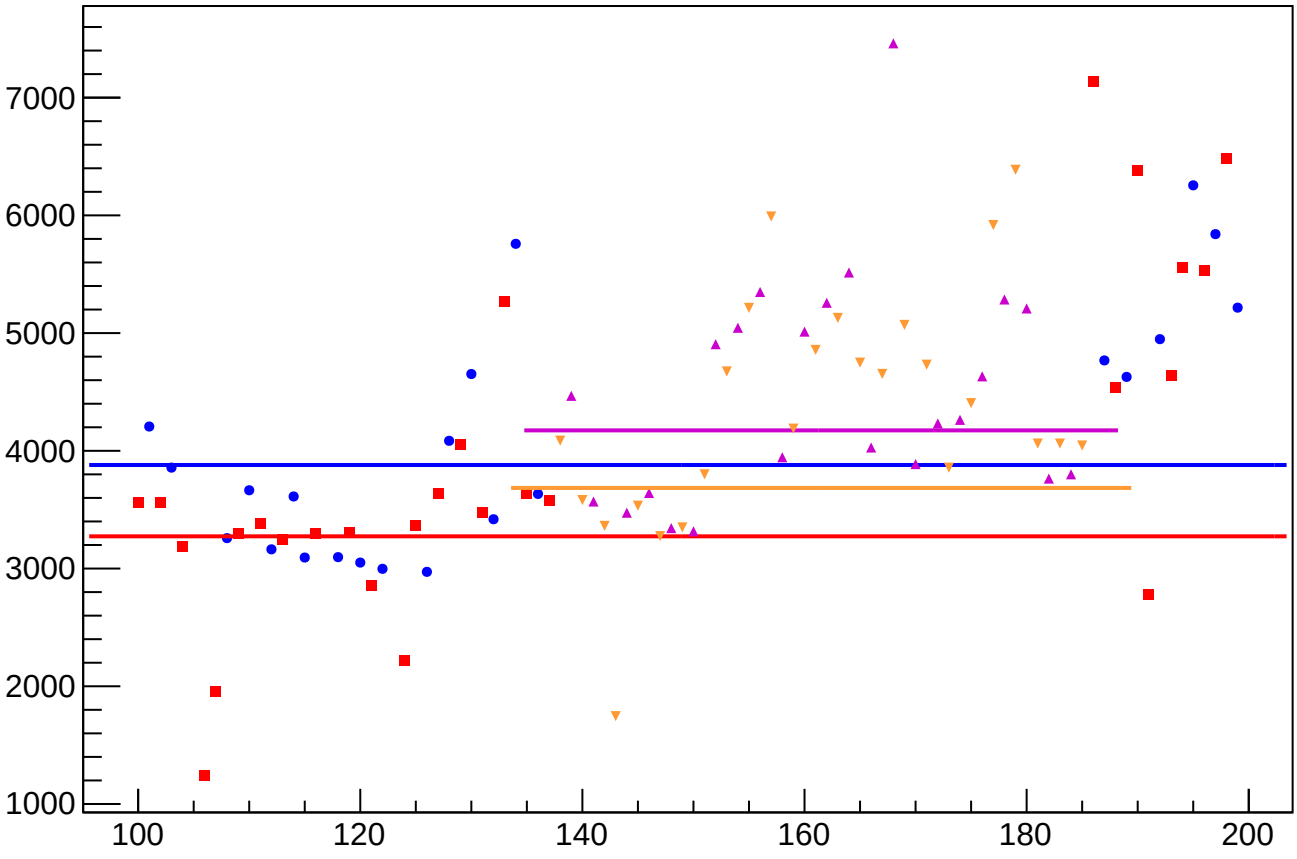
Right Out: -1054.355+/-998.678 χ^2/NDF: 29.5/26

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -5.706+/-708.307 χ^2/NDF: 51.7/46

All: -274.742+/-499.672 χ^2/NDF: 96.0/96

- sign -541.266+/-704.992 χ^2/NDF: 44.1/49



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

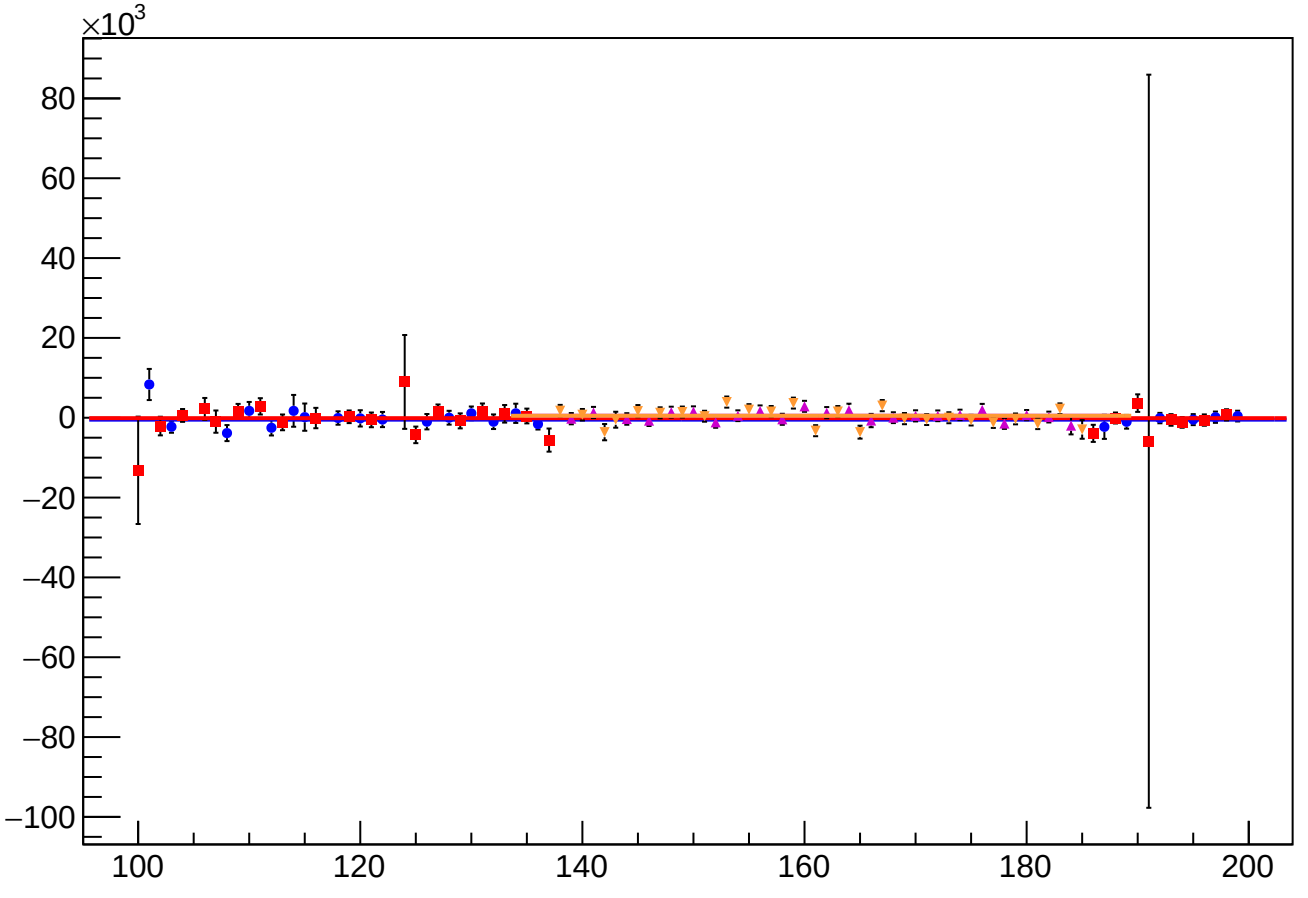
Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3755.240+/-0.501 χ^2/NDF: 4925415.8/46

All: 3740.123+/-0.353 χ^2/NDF: 10483348.5/9

\- sign 3725.147+/-0.499 χ^2/NDF: 5556119.1/49



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

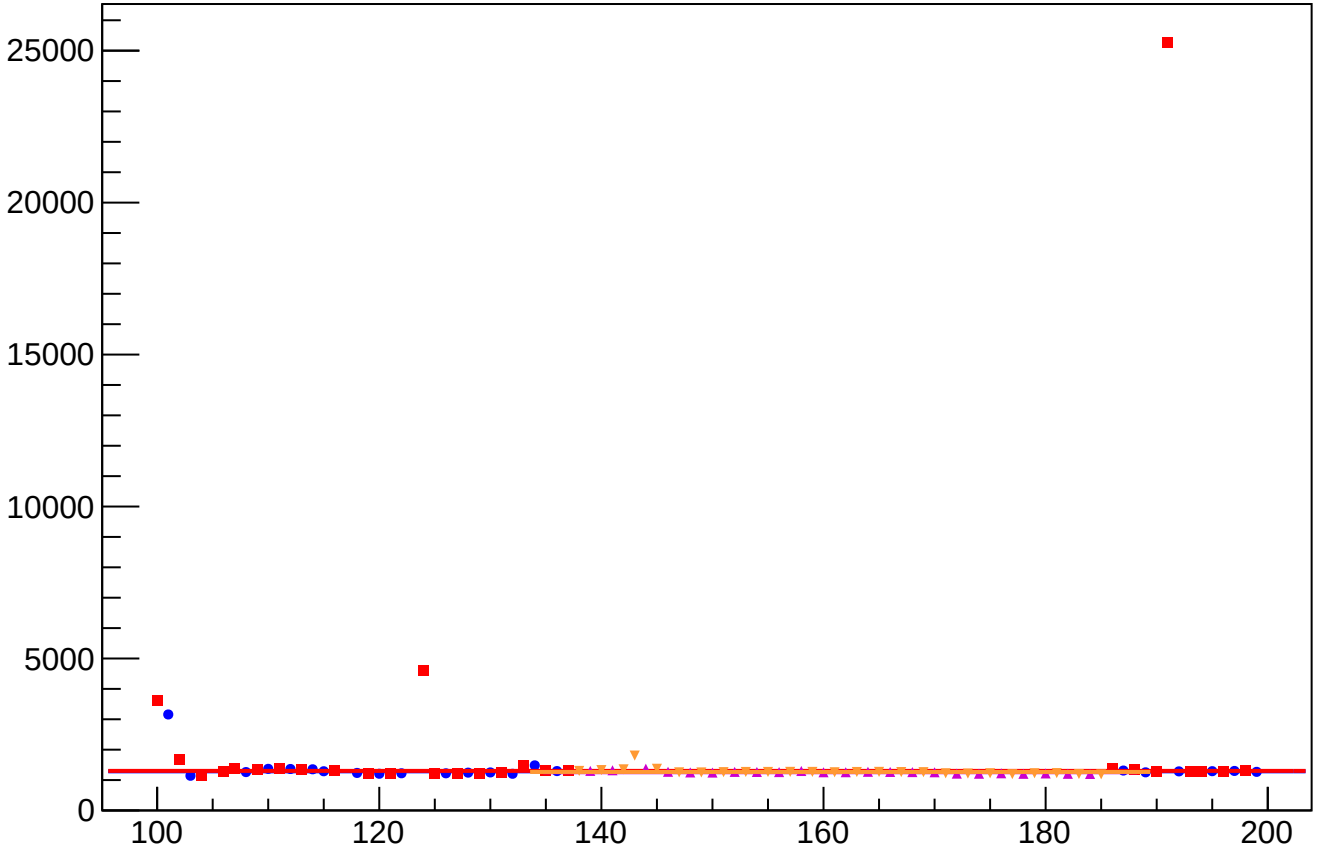
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 199.817+/-163.115 χ^2/NDF: 106.0/96

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

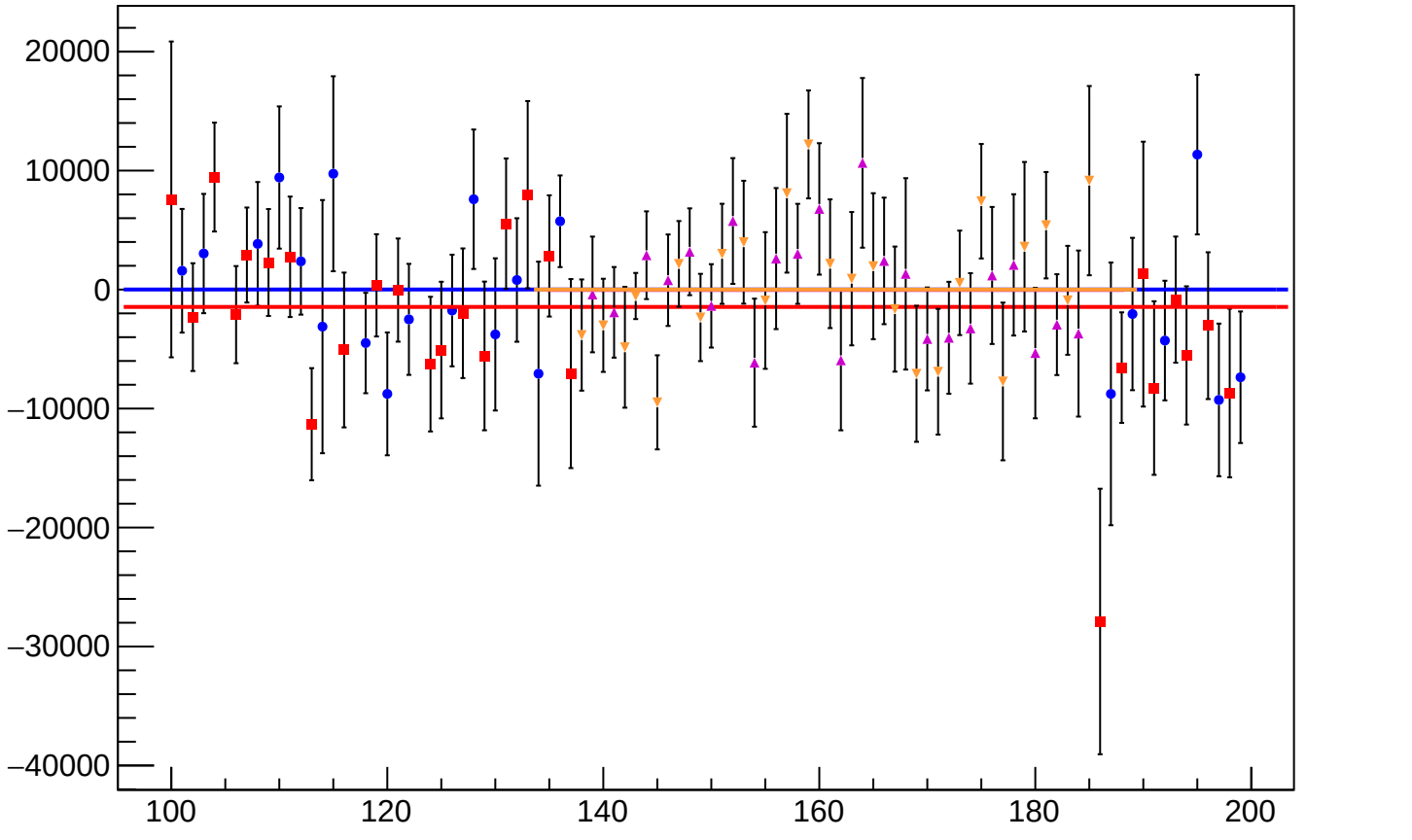
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96

- sign 1274.529+/-0.163 χ^2/NDF: 526539.9/49



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

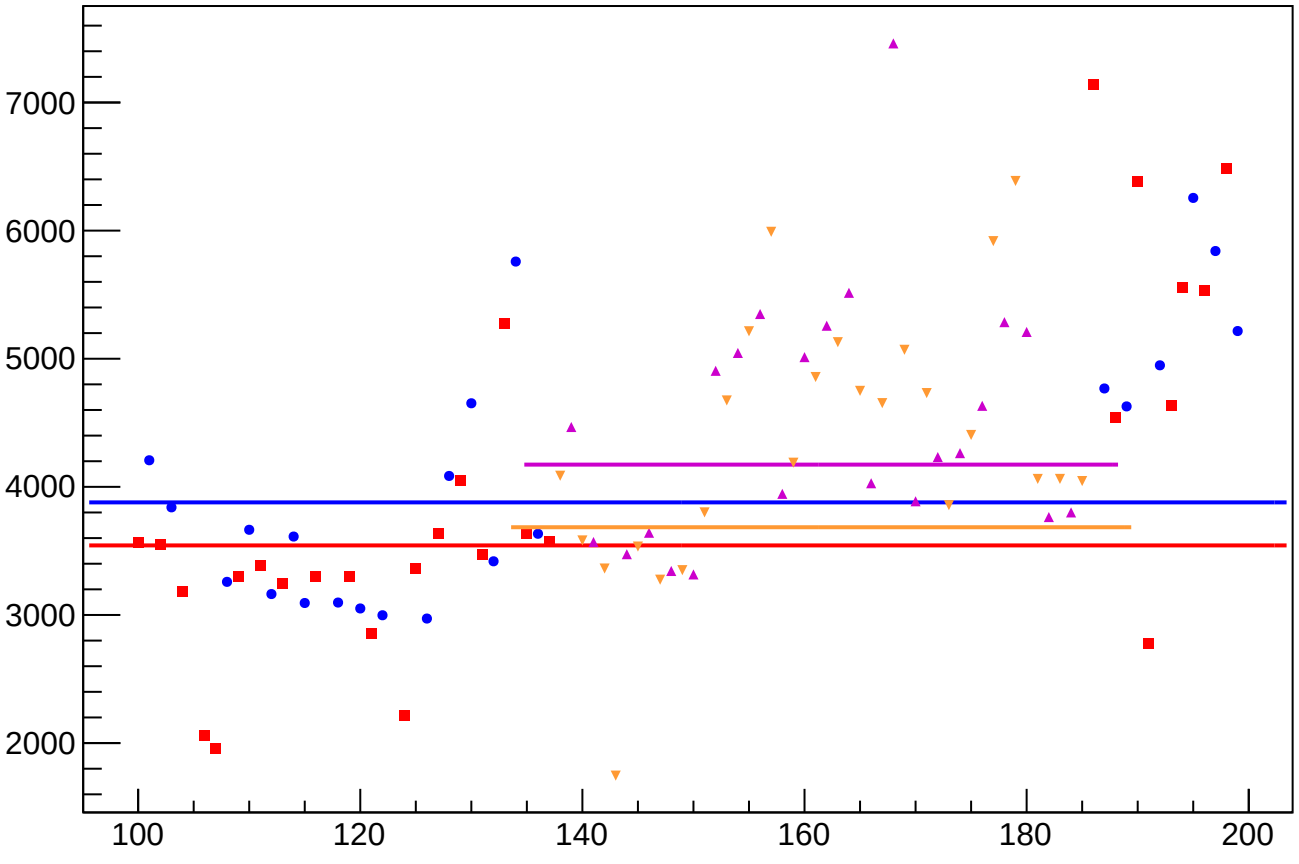
Right Out: -1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 1.860+/-708.237 χ^2/NDF: 51.8/46

All: -345.434+/-505.725 χ^2/NDF: 96.3/96

- sign -706.737+/-722.380 χ^2/NDF: 44.0/49



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

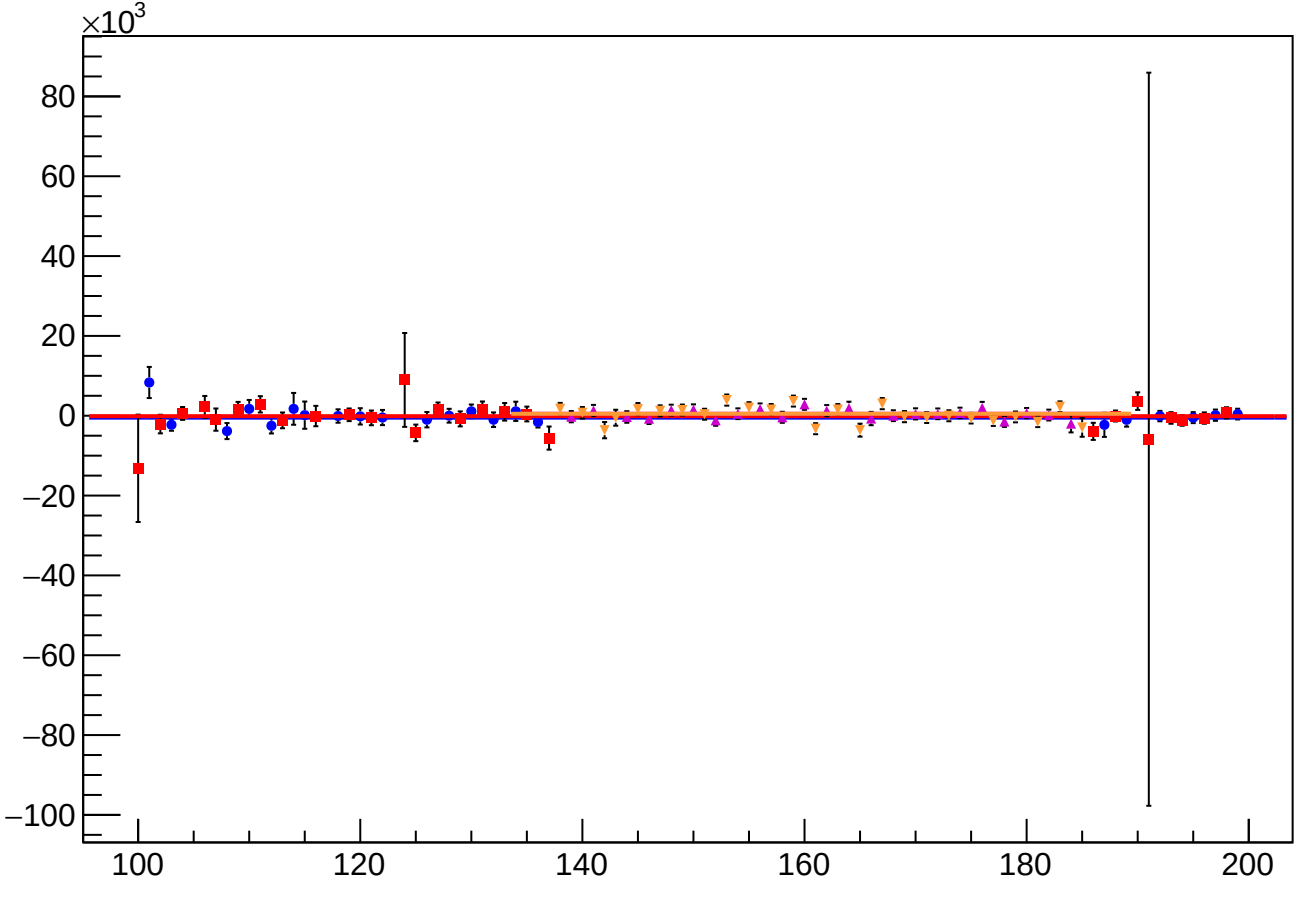
Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3813.816+/-0.358 χ^2/NDF: 8828544.6/96

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

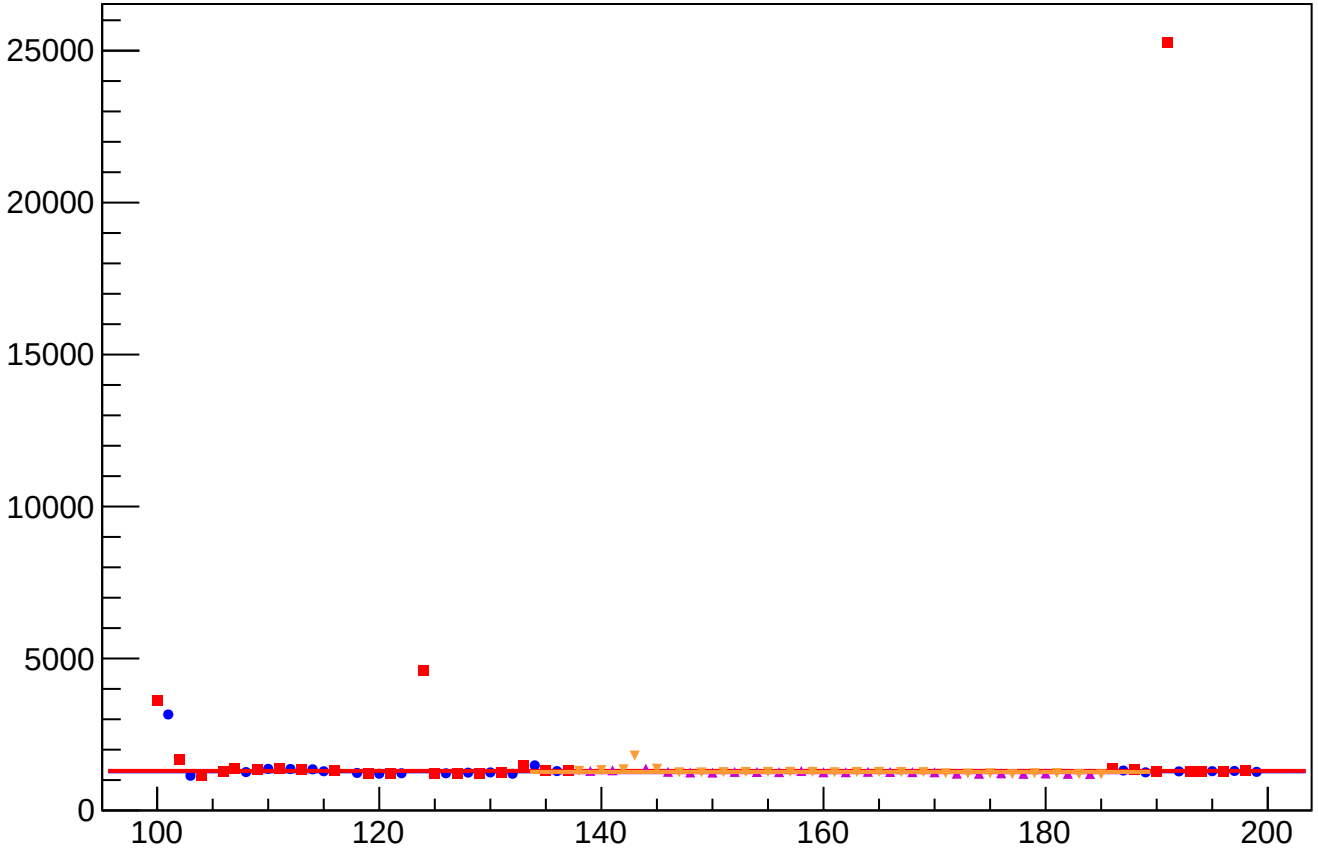
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 199.817+/-163.115 χ^2/NDF: 106.0/96

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

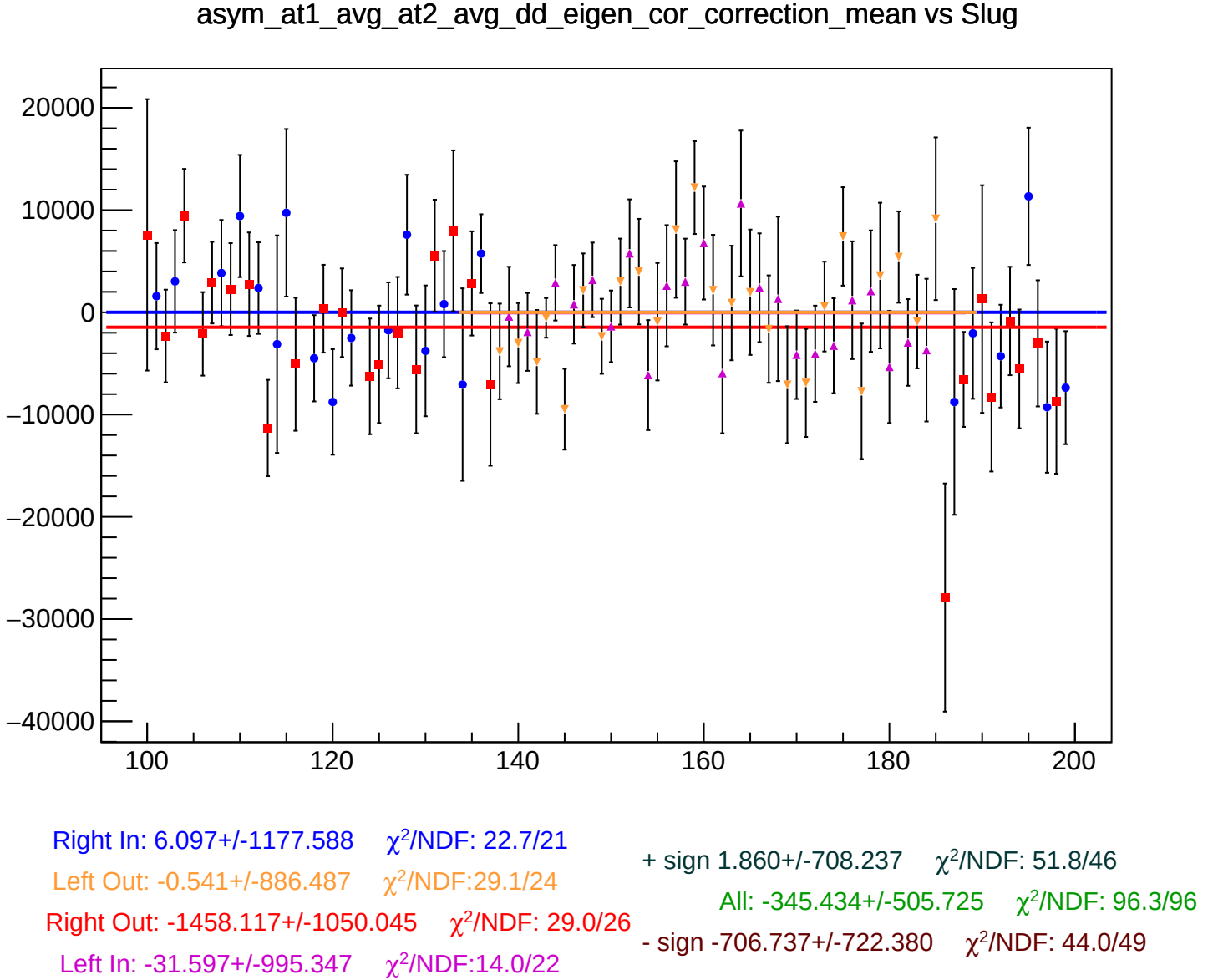
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

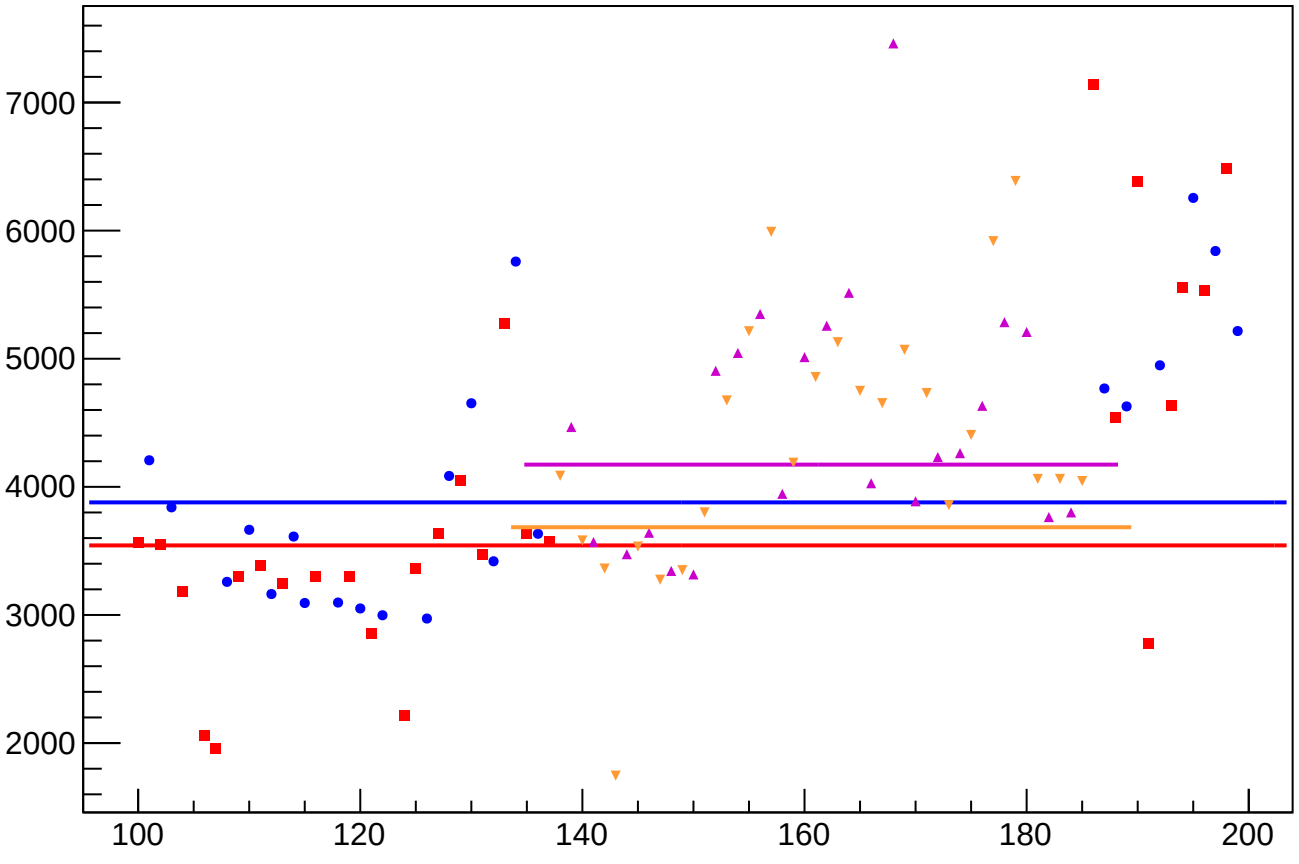
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96

- 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: 6.097+/-1177.588 χ²/NDF: 22.7/21
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 1.860+/-708.237 χ²/NDF: 51.8/46
All: -345.434+/-505.725 χ²/NDF: 96.3/96
- sign -706.737+/-722.380 χ²/NDF: 44.0/49



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

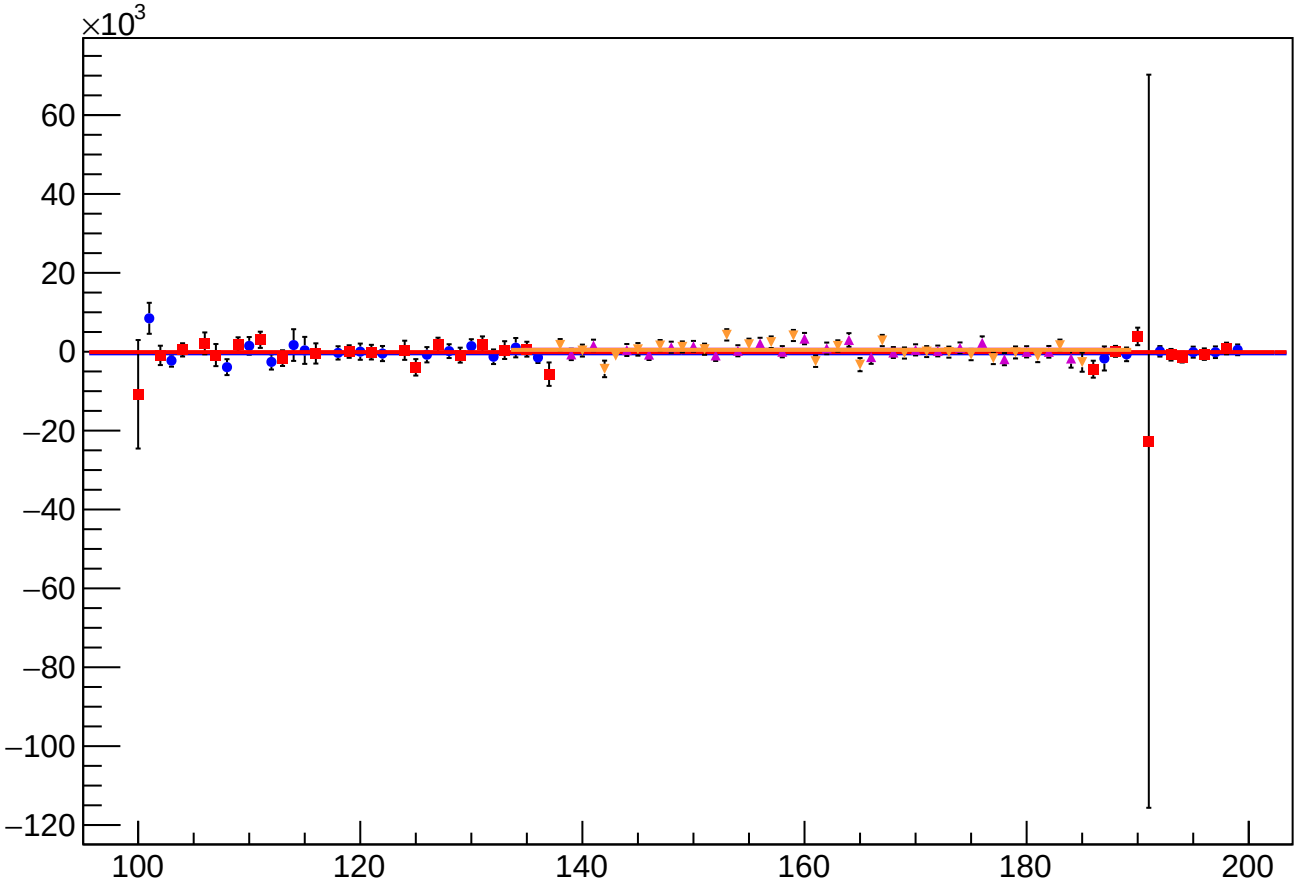
Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3813.816+/-0.358 χ^2/NDF: 8828544.6/96

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.322+/-374.882 χ^2/NDF: 24.0/26

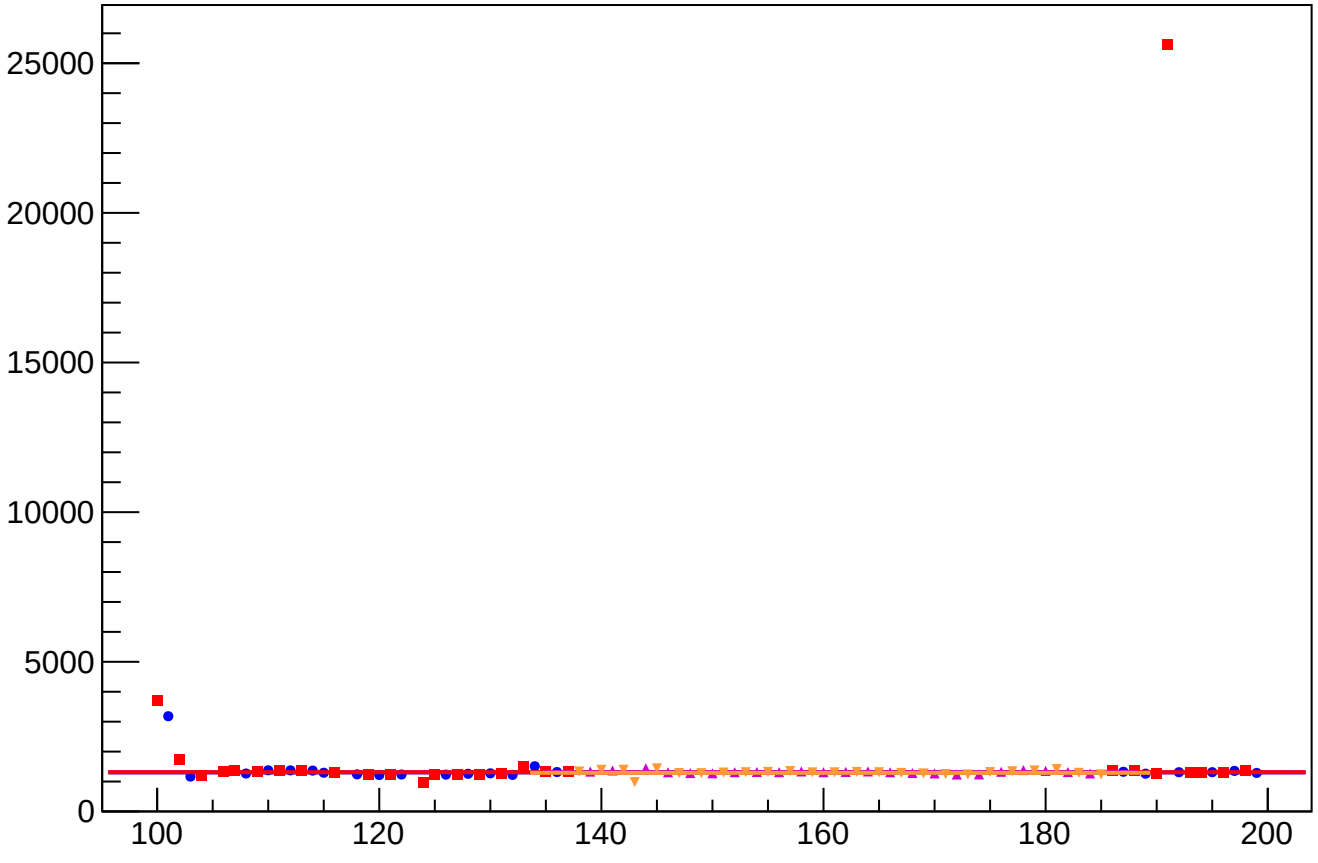
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 149.631+/-234.692 χ^2/NDF: 62.5/46

All: 206.077+/-166.952 χ^2/NDF: 105.5/96

- sign 263.903+/-237.544 χ^2/NDF: 42.9/49

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

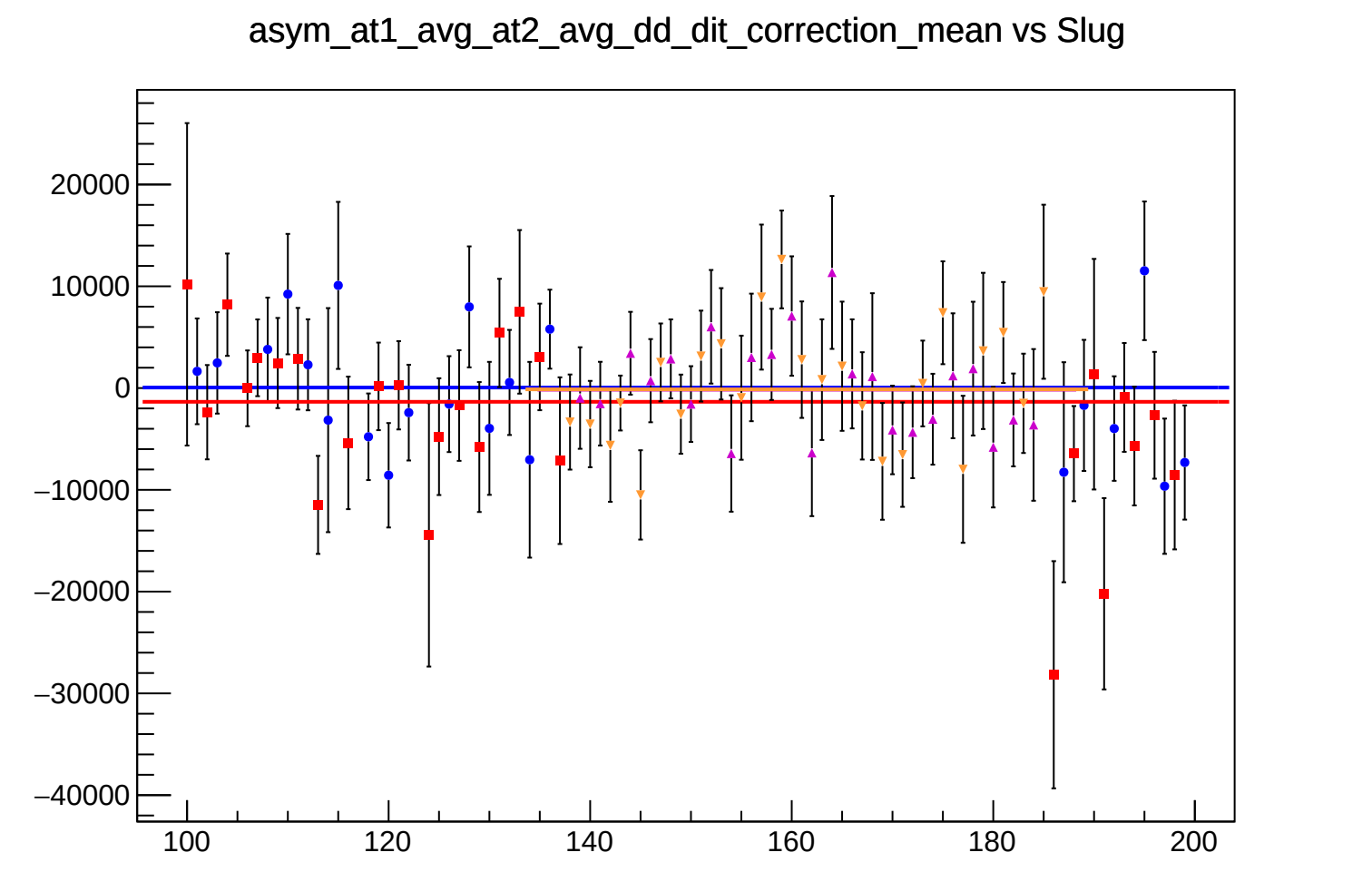
Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.503+/-0.166 χ^2/NDF: 747115.9/46

All: 1304.394+/-0.118 χ^2/NDF: 1157958.5/96

- sign 1312.475+/-0.168 χ^2/NDF: 406266.1/49



Right In: 51.528+/-1183.391 χ^2/NDF: 22.5/21

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: -1349.010+/-1068.322 χ^2/NDF: 30.7/26

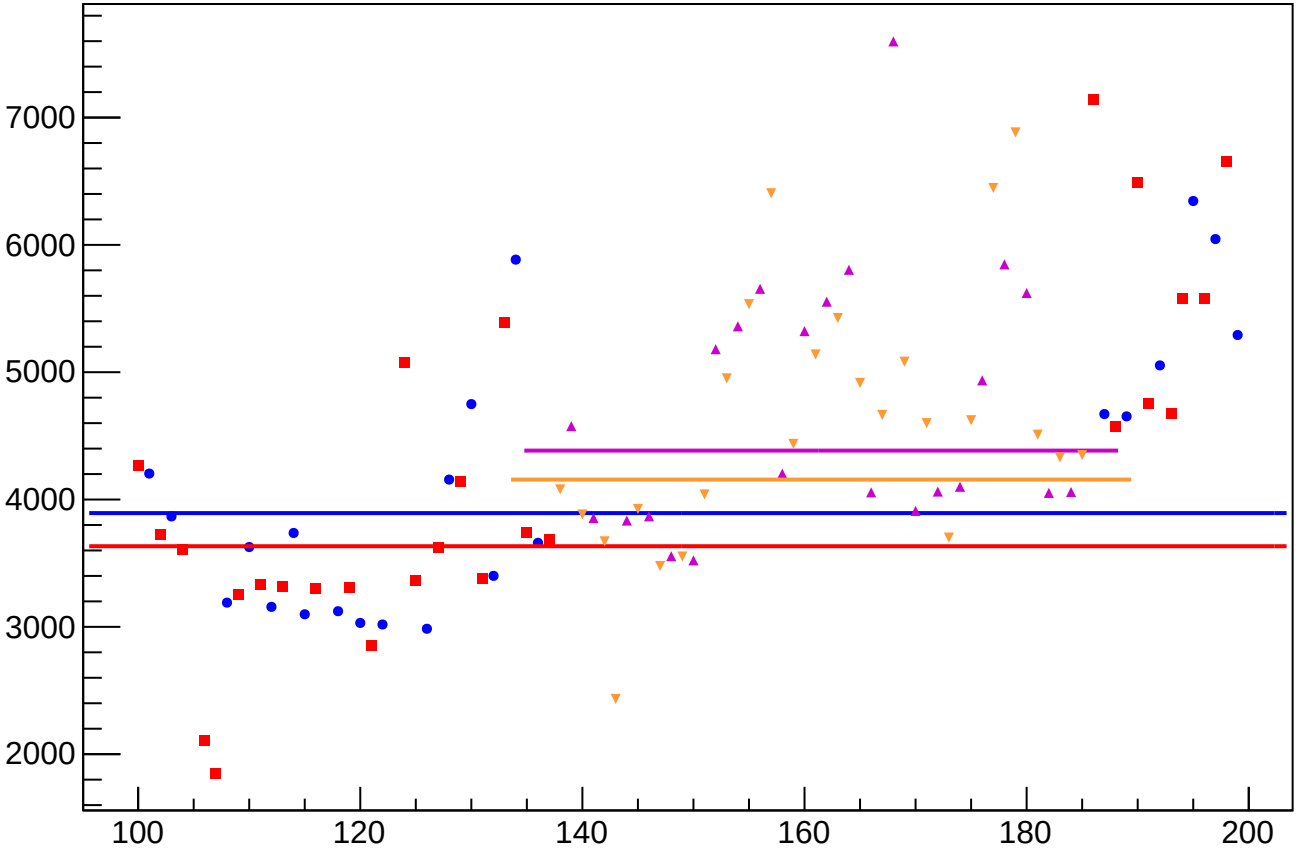
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -54.780+/-753.518 χ^2/NDF: 51.1/46

All: -400.968+/-530.578 χ^2/NDF: 96.6/96

- sign -741.395+/-747.222 χ^2/NDF: 45.1/49

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

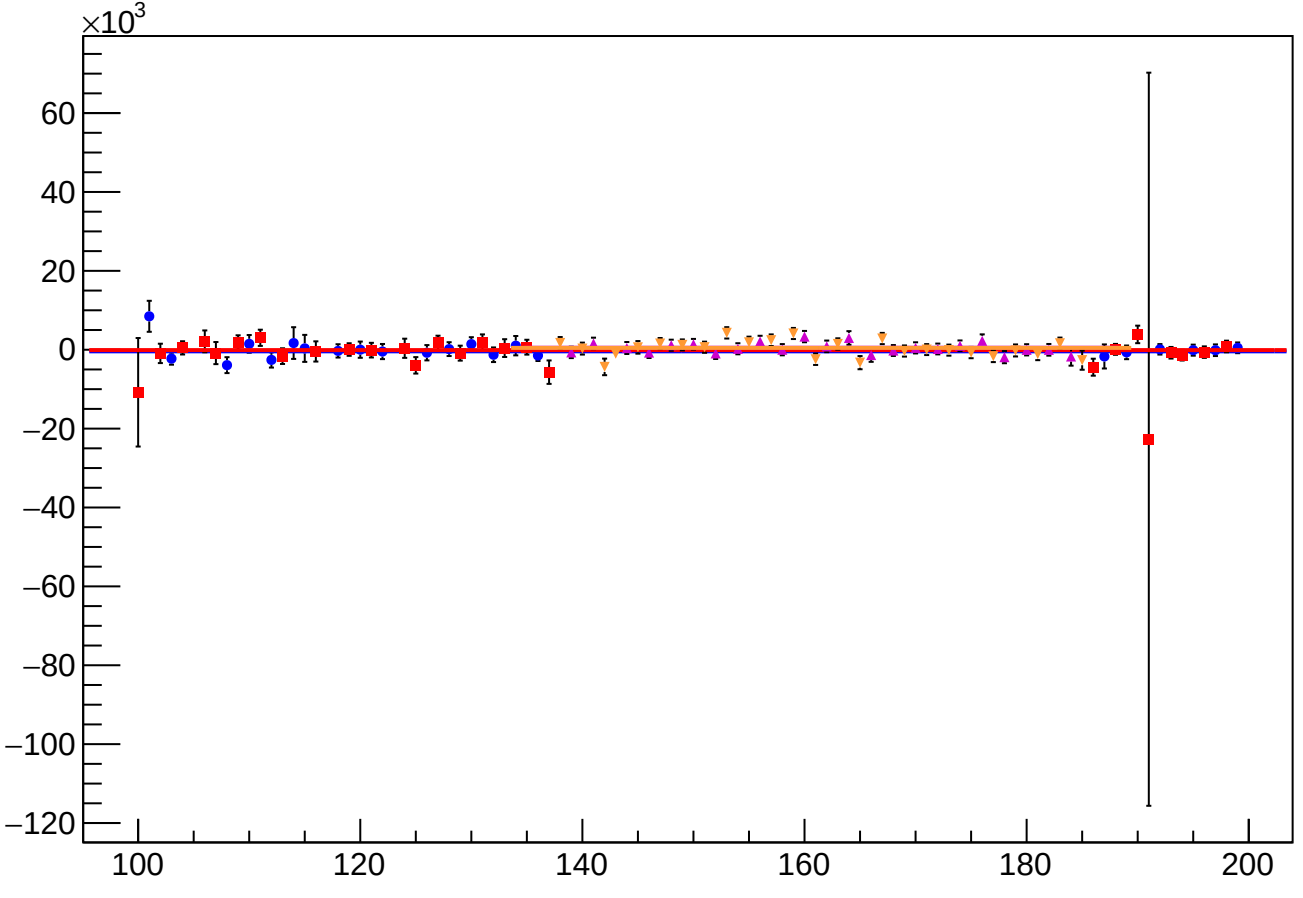
Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4049.905+/-0.533 χ^2/NDF: 3410706.2/46

All: 4033.278+/-0.375 χ^2/NDF: 7484379.0/96

- sign 4016.928+/-0.528 χ^2/NDF: 4071741.4/49



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.319+/-374.882 χ^2/NDF: 24.0/26

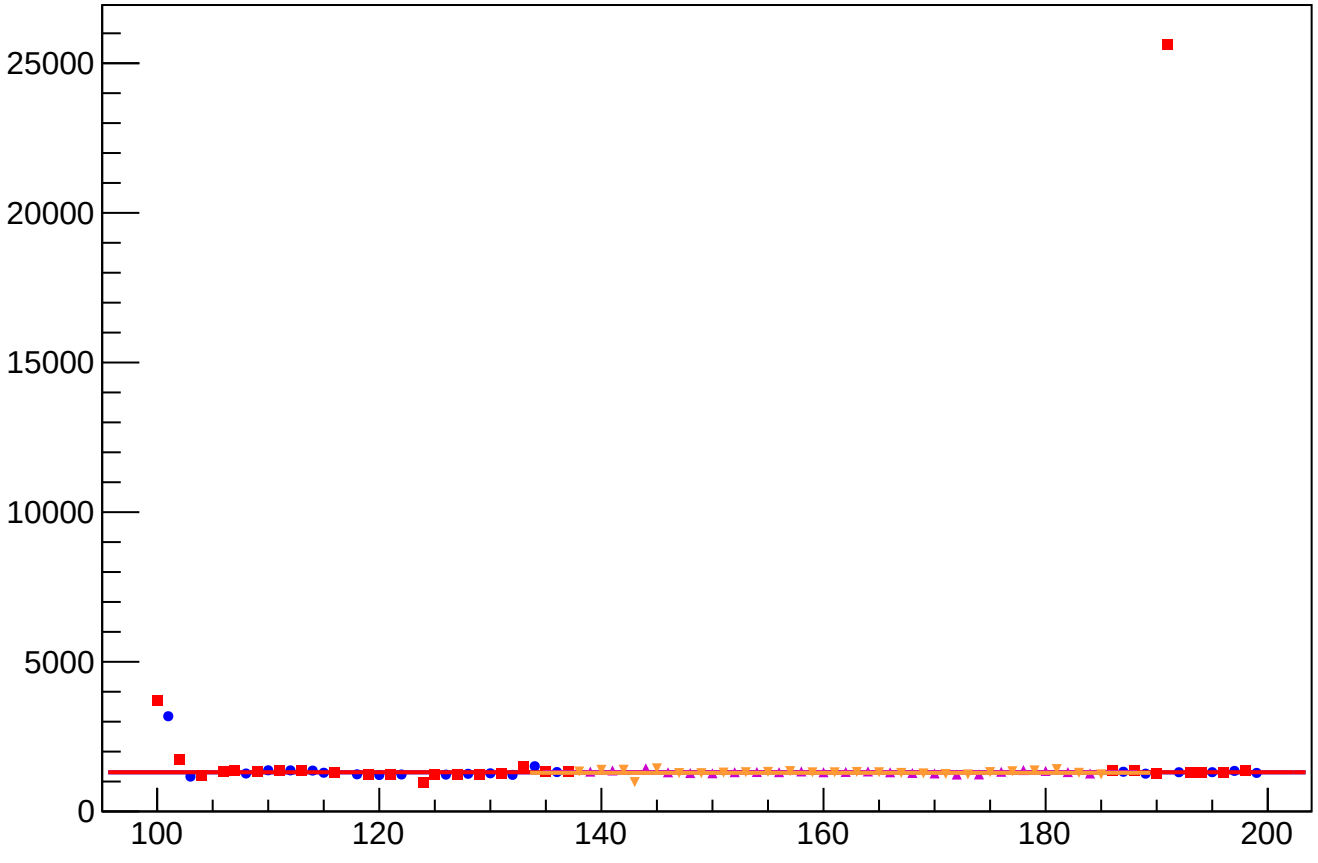
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 149.633+/-234.692 χ^2/NDF: 62.5/46

All: 206.079+/-166.952 χ^2/NDF: 105.5/96

- sign 263.904+/-237.544 χ^2/NDF: 42.9/49

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

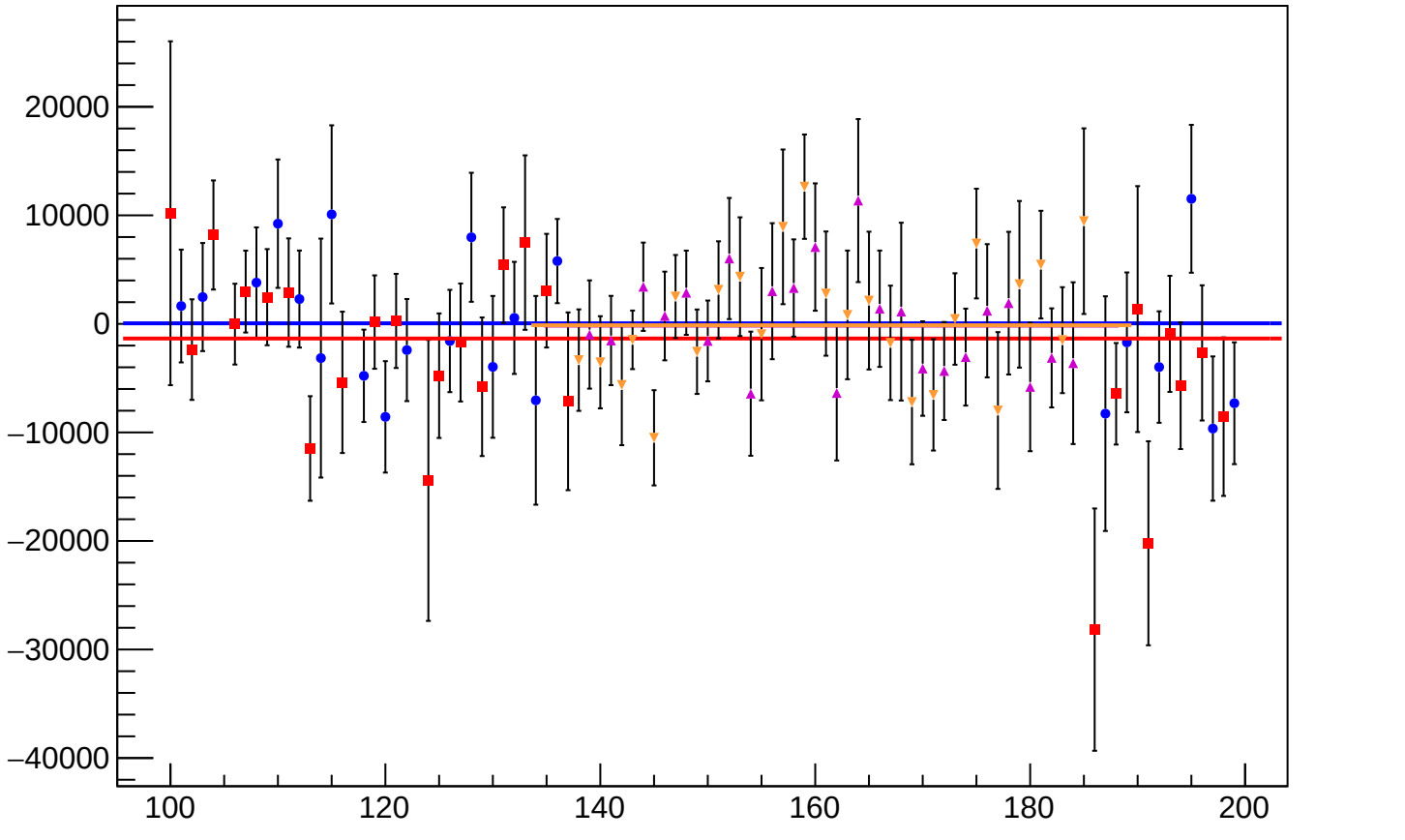
Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.504+/-0.166 χ^2/NDF: 747118.3/46

All: 1304.395+/-0.118 χ^2/NDF: 1157963.4/96

- sign 1312.476+/-0.168 χ^2/NDF: 406268.6/49



Right In: 51.522+/-1183.389 χ^2/NDF: 22.5/21

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

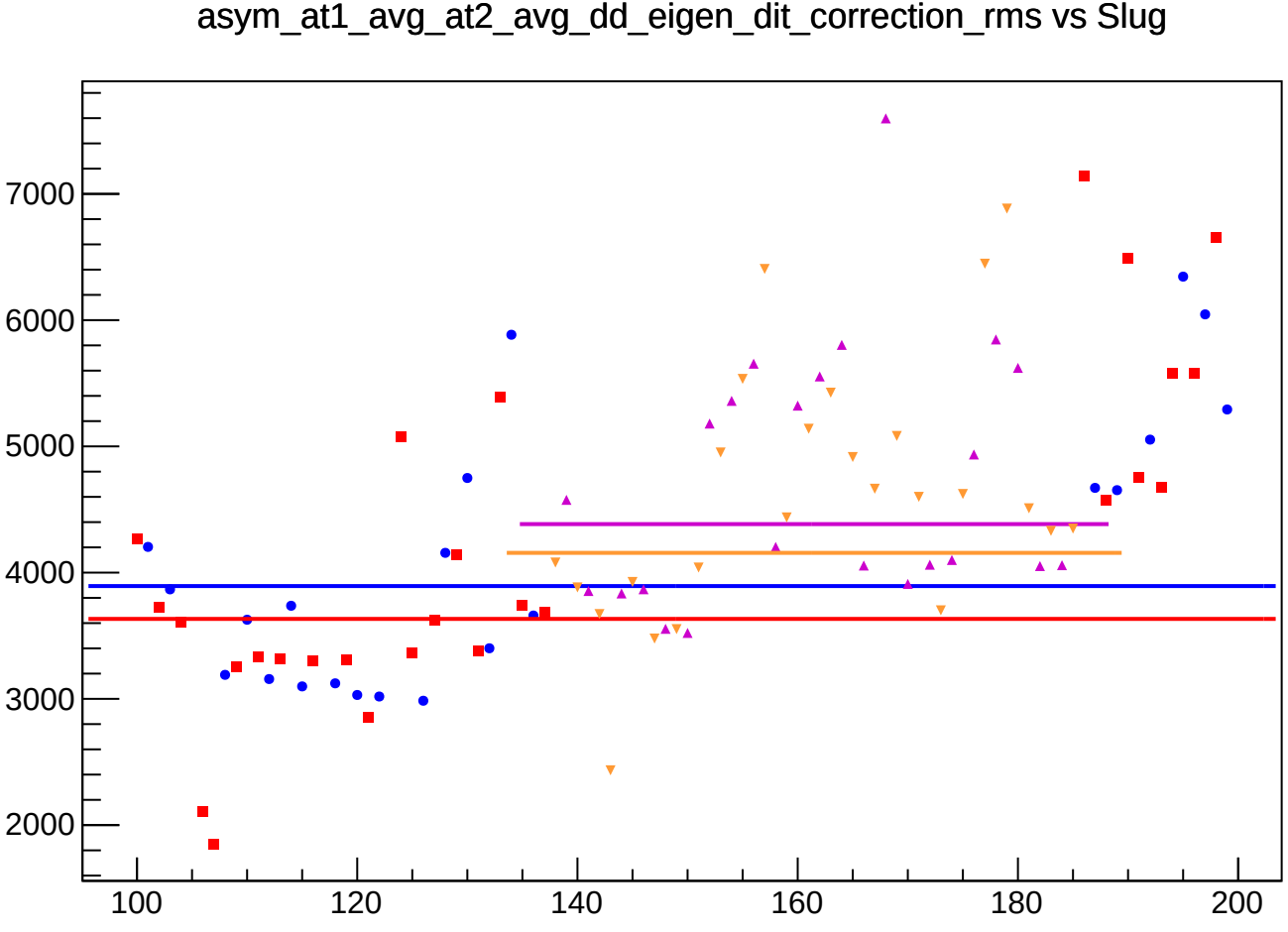
Right Out: -1349.002+/-1068.321 χ^2/NDF: 30.7/26

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

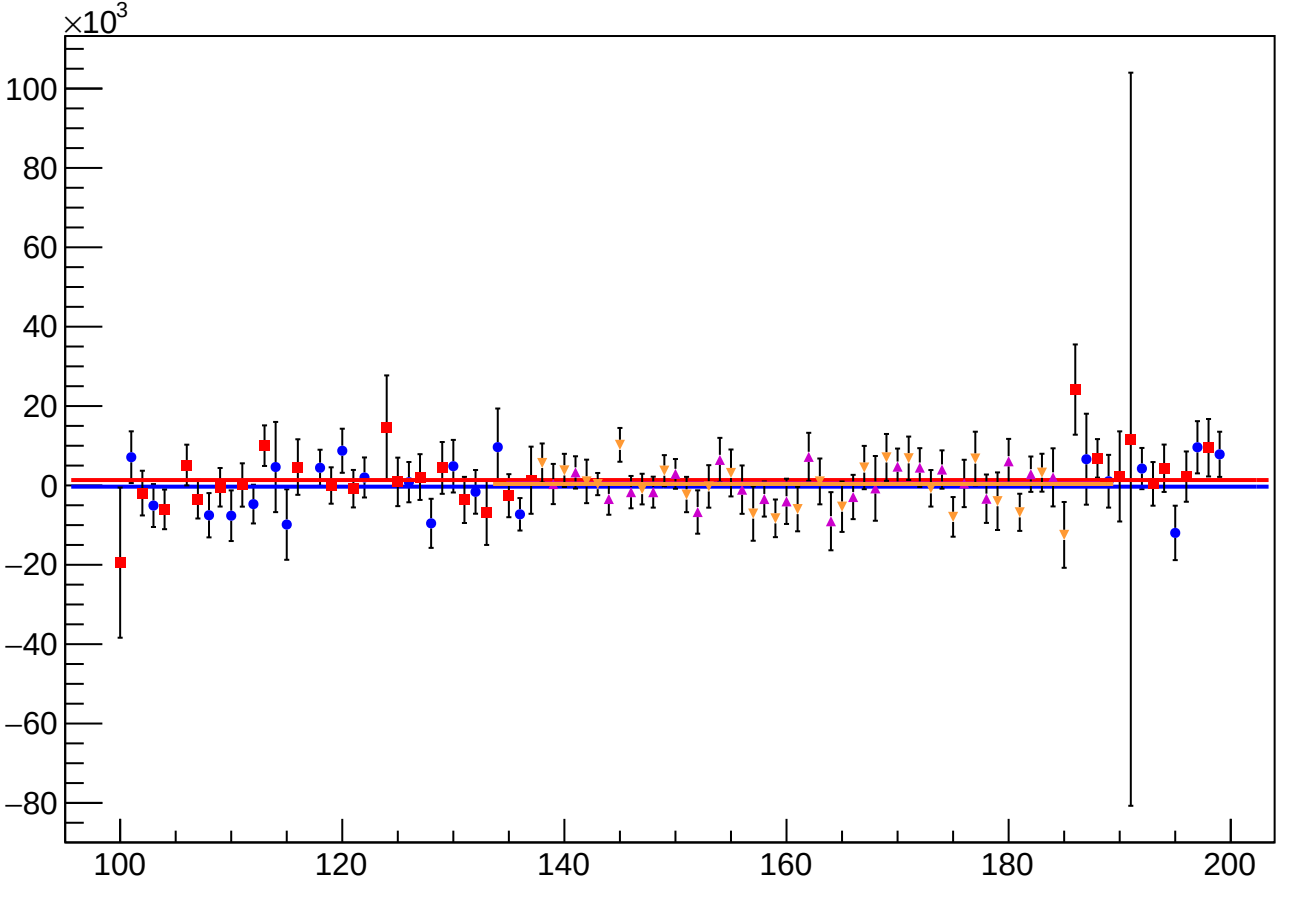
+ sign -54.780+/-753.518 χ^2/NDF: 51.1/46

All: -400.967+/-530.578 χ^2/NDF: 96.6/96

- sign -741.393+/-747.222 χ^2/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: 3893.463+/-0.837 χ²/NDF: 1271176.6/21
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 4049.905+/-0.533 χ²/NDF: 3410733.9/46
All: 4033.278+/-0.375 χ²/NDF: 7484445.8/96
- sign 4016.927+/-0.528 χ²/NDF: 4071780.4/49

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1352.994+/-1175.781 χ^2/NDF: 19.3/26

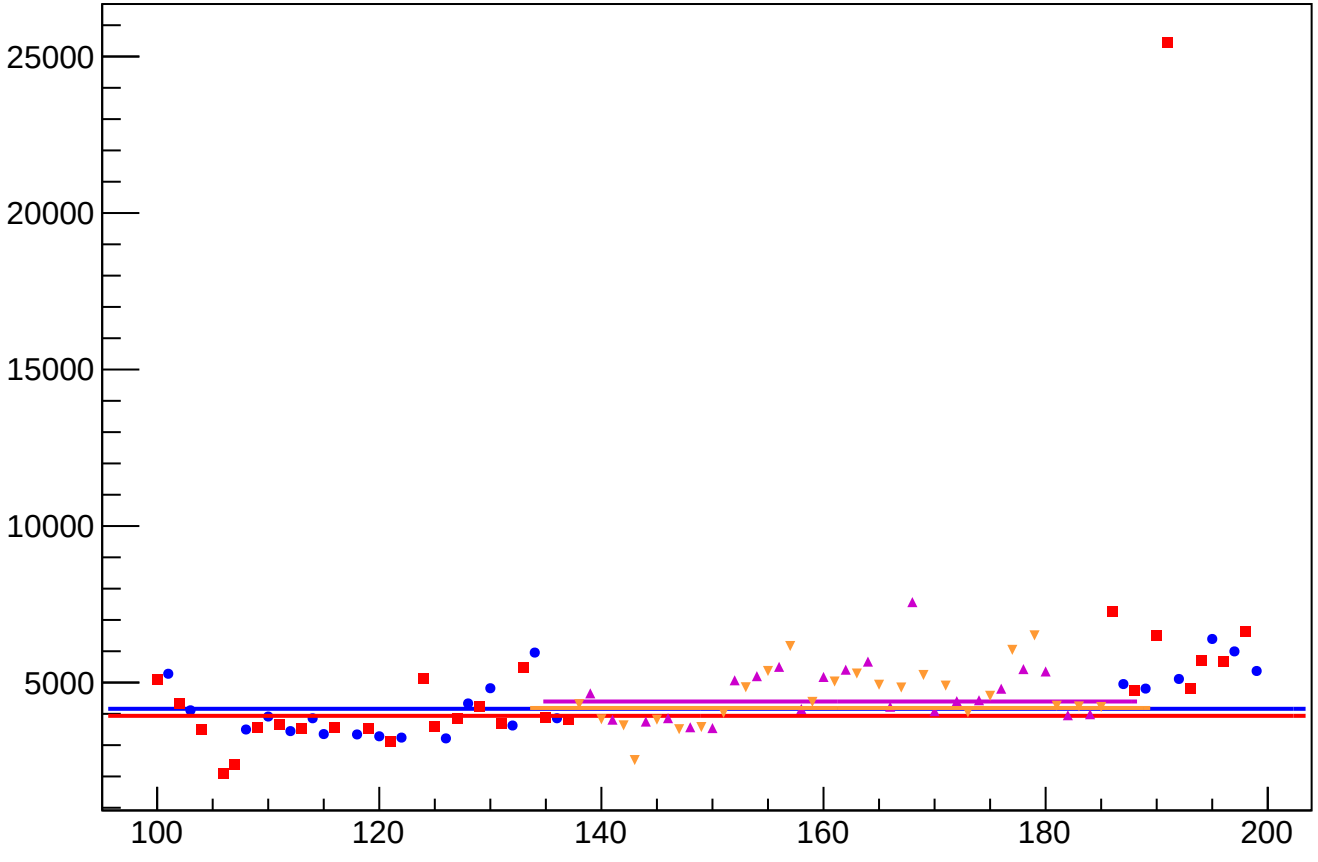
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 107.640+/-773.358 χ^2/NDF: 54.3/46

All: 487.532+/-549.517 χ^2/NDF: 88.2/96

- sign 874.936+/-780.966 χ^2/NDF: 33.4/49

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4161.084+/-0.891 χ^2/NDF: 1073637.7/21

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

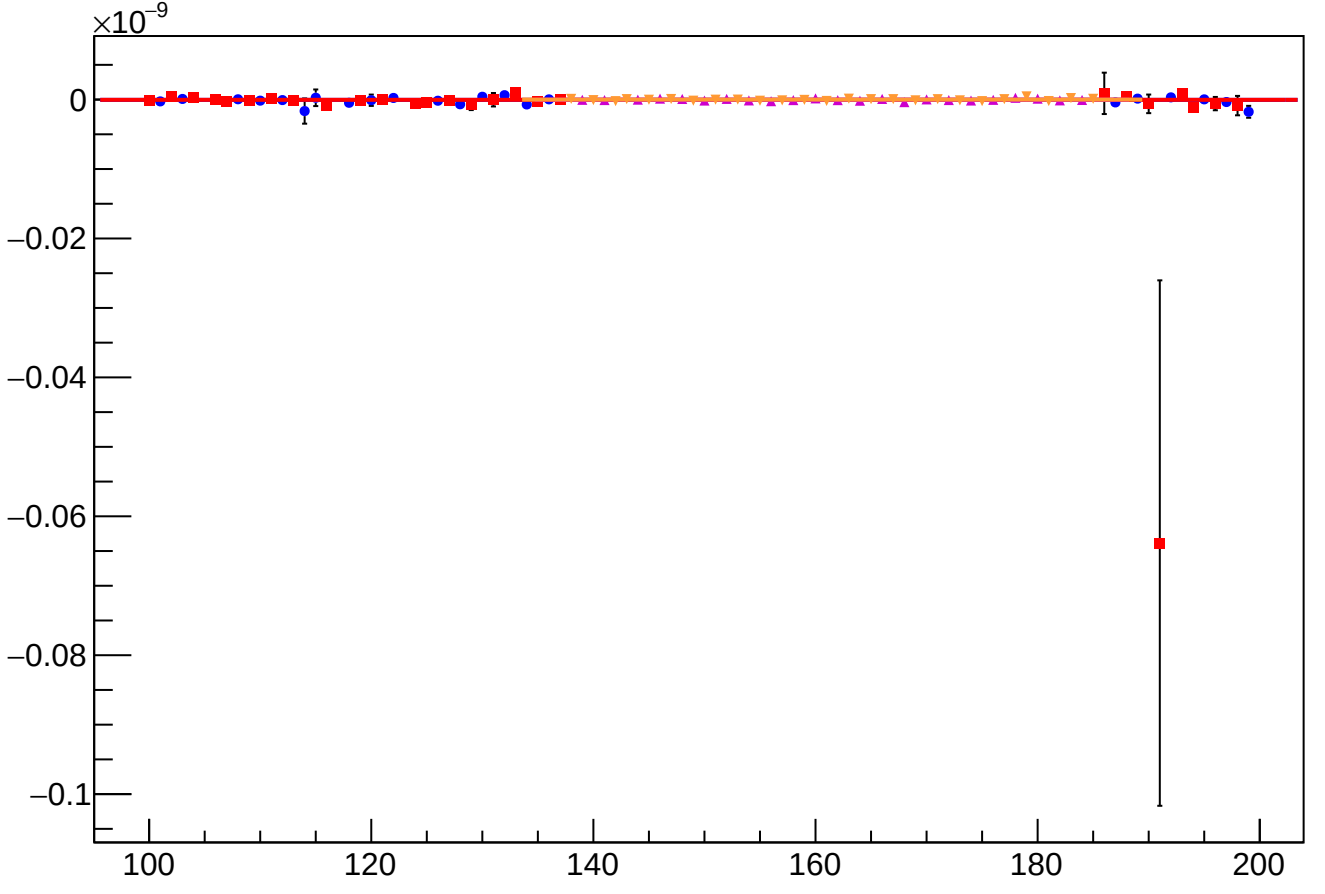
Right Out: 3936.247+/-0.823 χ^2/NDF: 1915185.5/26

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4177.756+/-0.547 χ^2/NDF: 2870546.2/46

All: 4183.757+/-0.388 χ^2/NDF: 6046033.8/96

- sign 4189.820+/-0.550 χ^2/NDF: 3175245.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

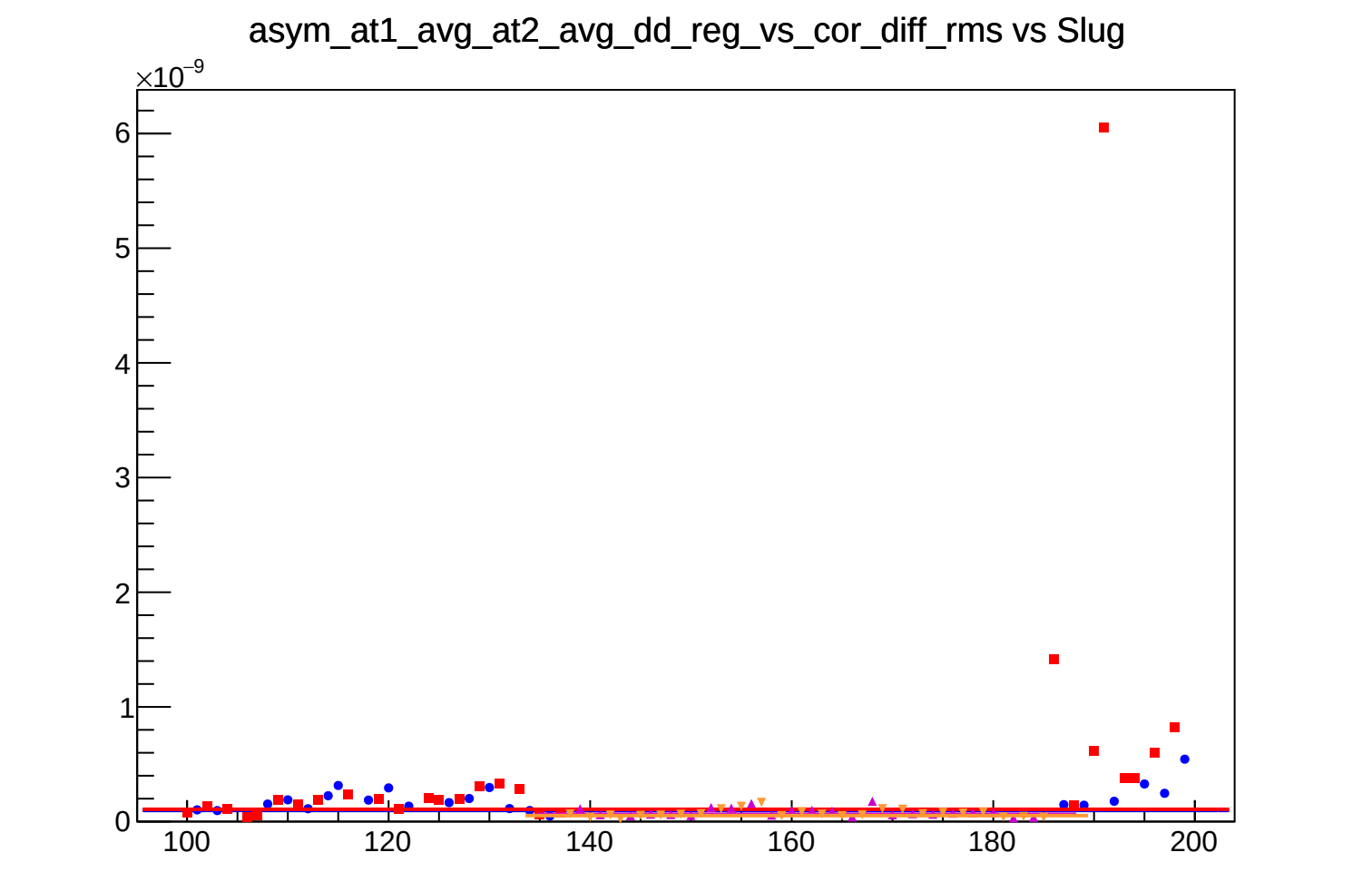
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/26

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.3/46

All: -0.000+/-0.000 χ^2/NDF: 97.1/96

- sign -0.000+/-0.000 χ^2/NDF: 43.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 2514456.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

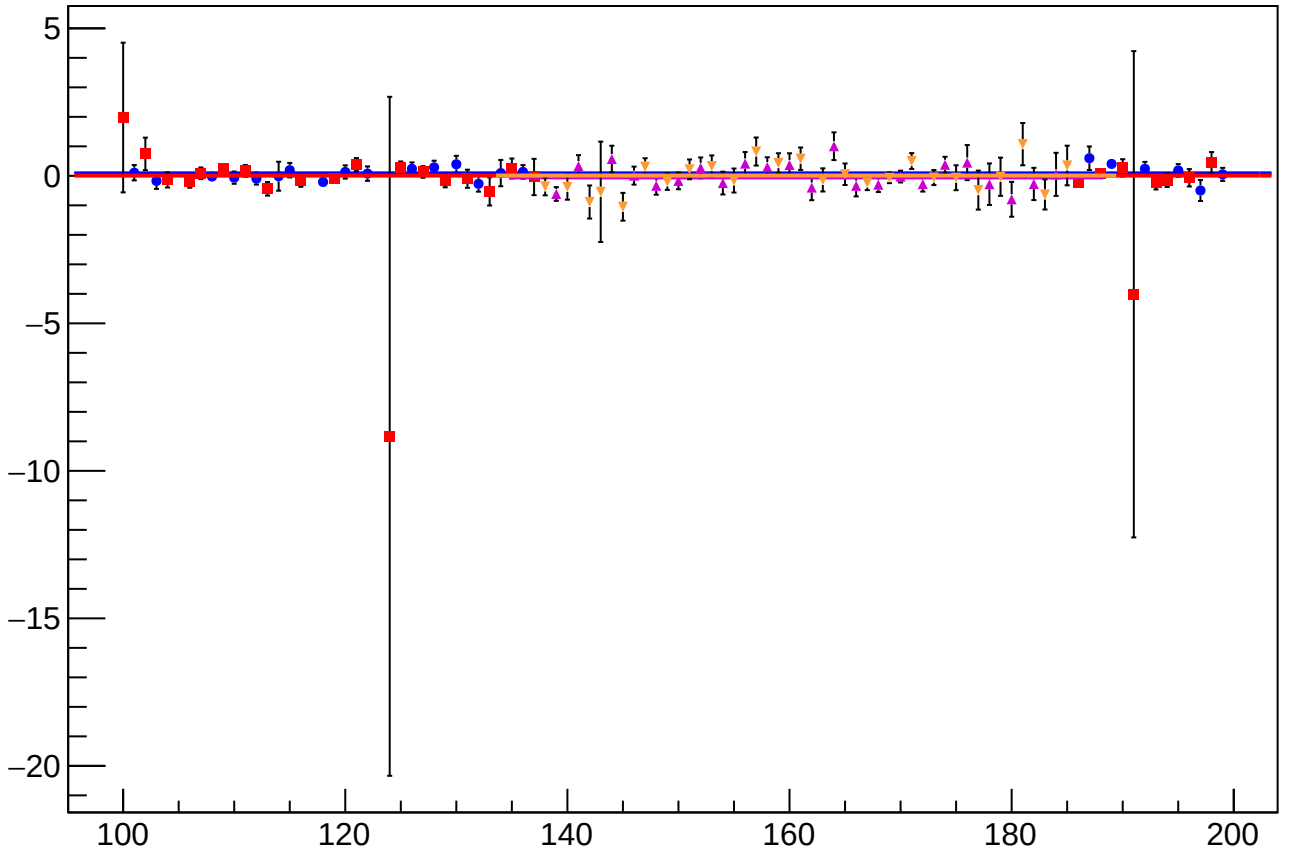
Right Out: 0.000+/-0.000 χ^2/NDF: 4281119.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6234146.5/46

All: 0.000+/-0.000 χ^2/NDF: 13424513.5/96

- sign 0.000+/-0.000 χ^2/NDF: 6923729.5/49



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

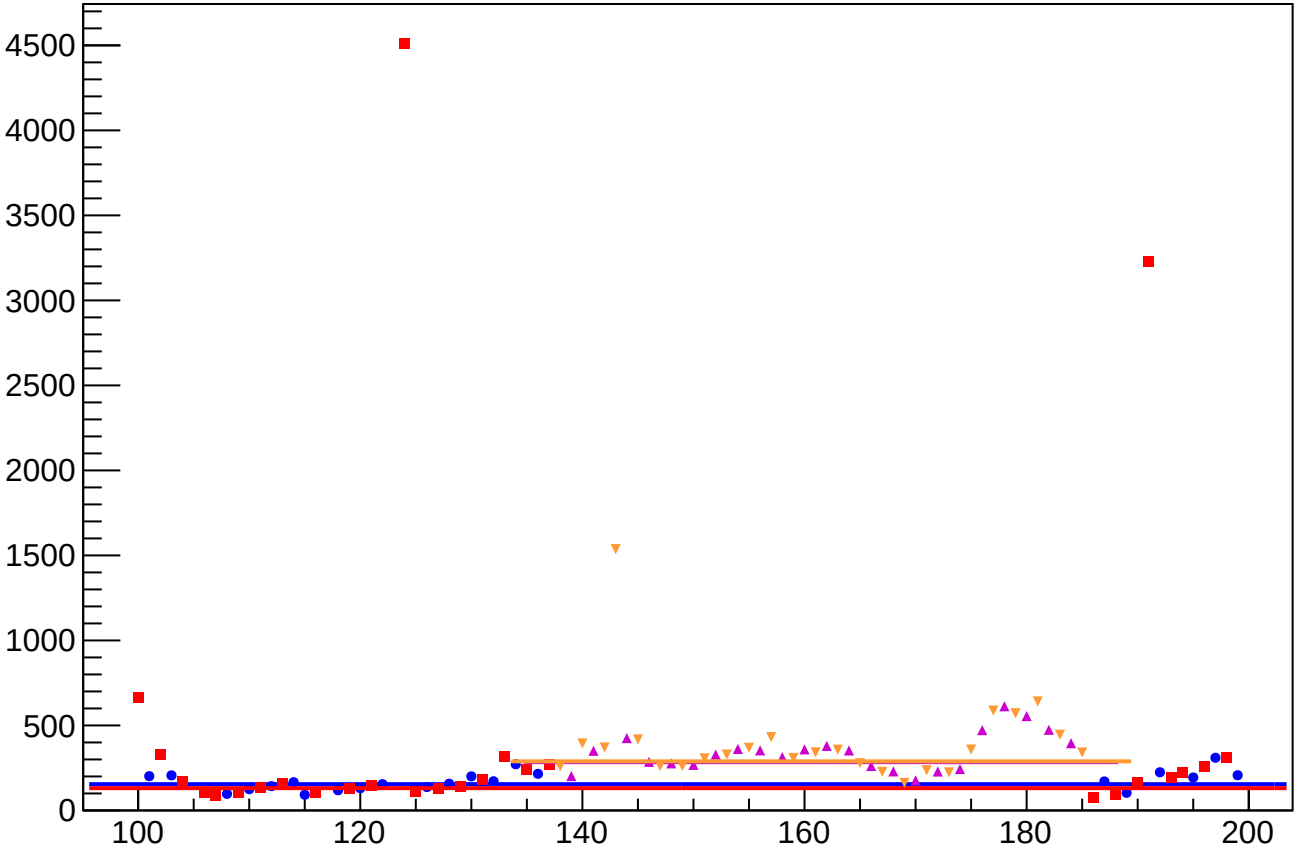
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.022+/-0.027 χ^2/NDF: 108.4/96

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

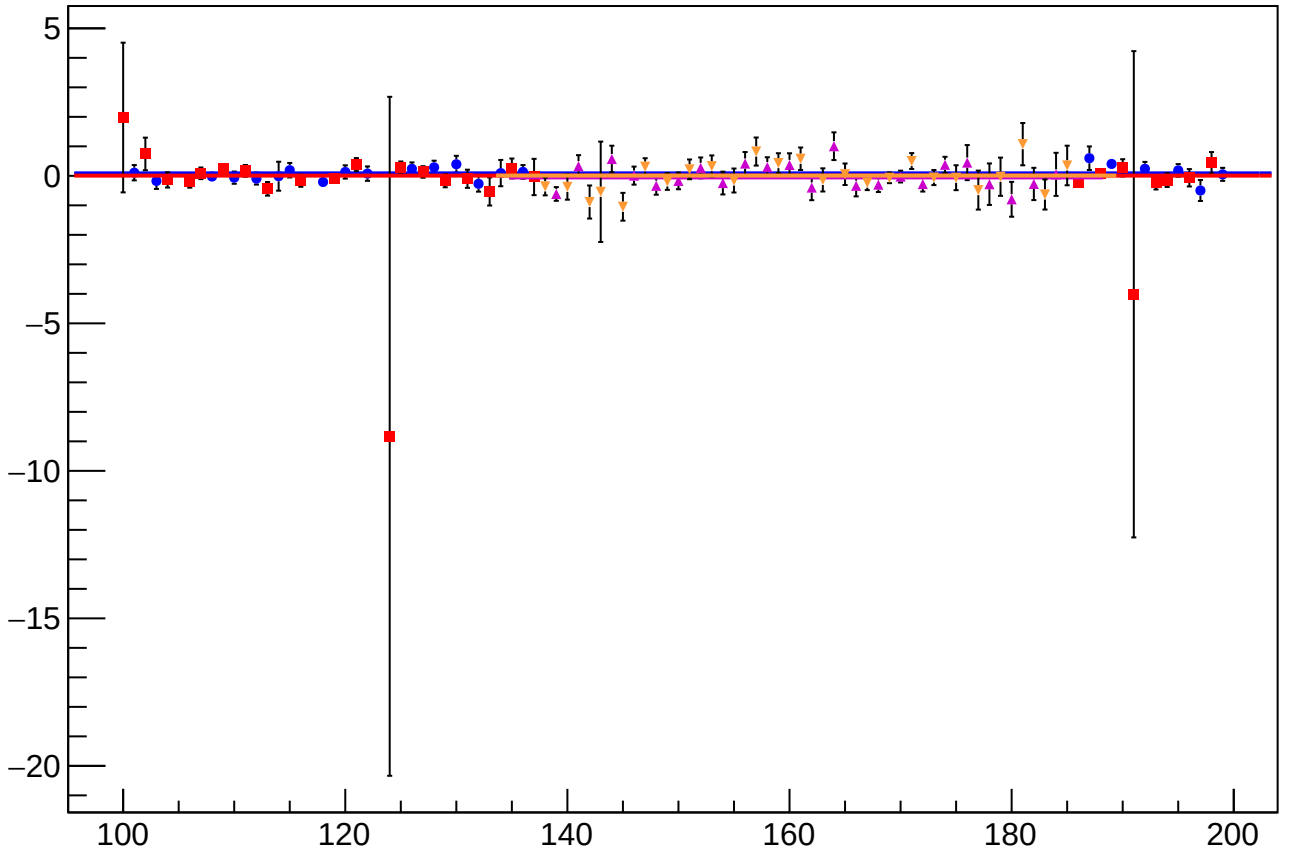
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

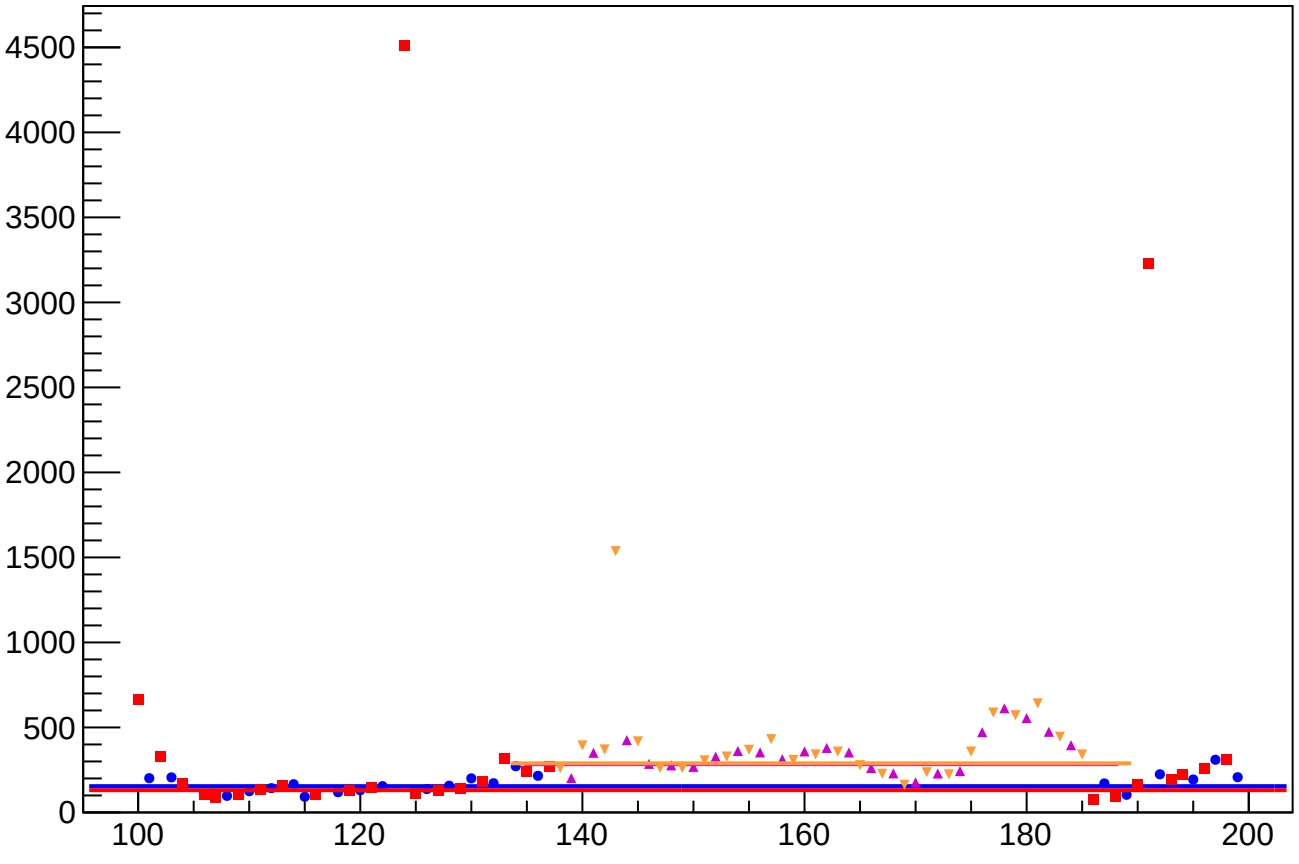
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.022+/-0.027 χ^2/NDF: 108.4/96

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

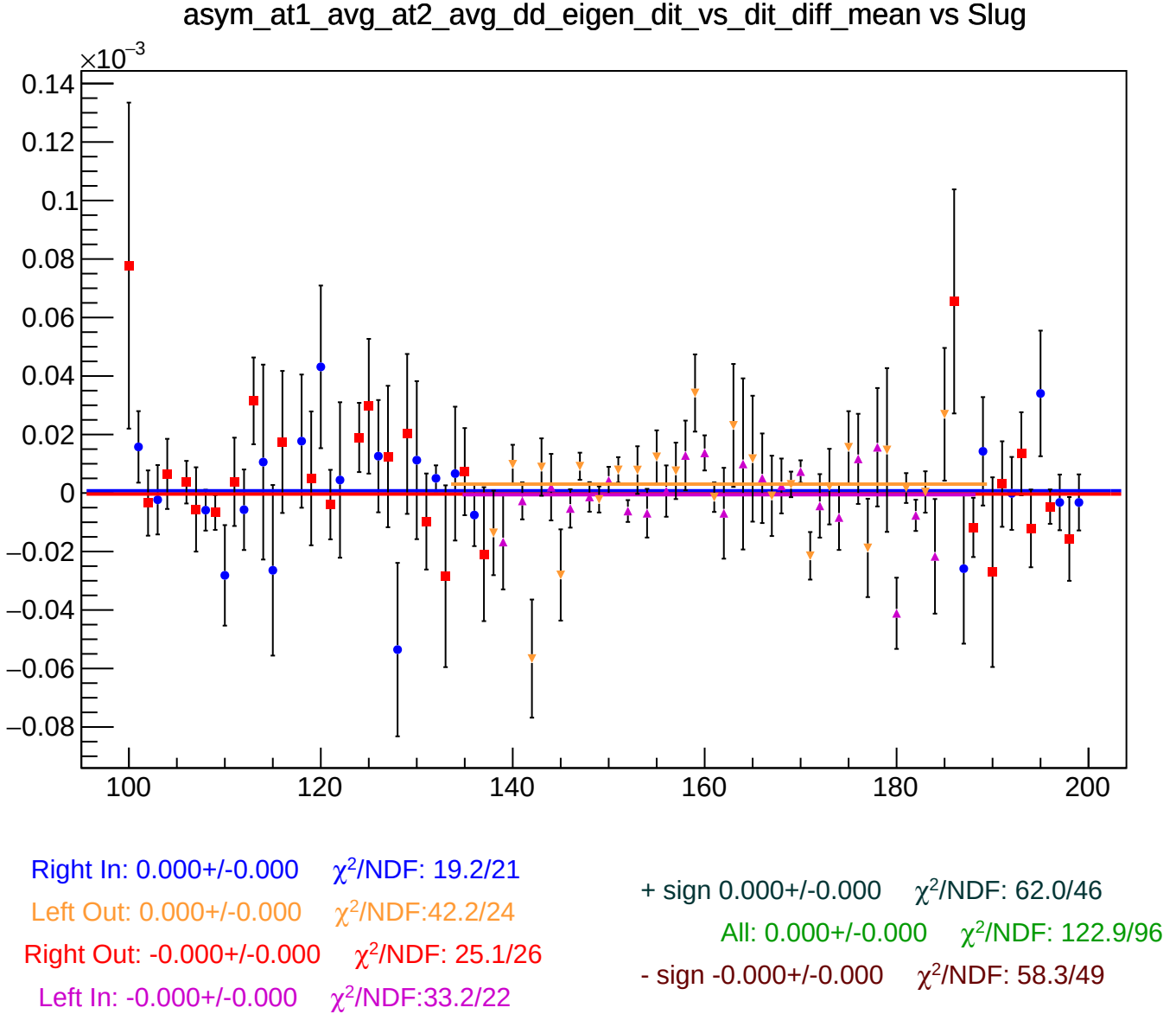
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

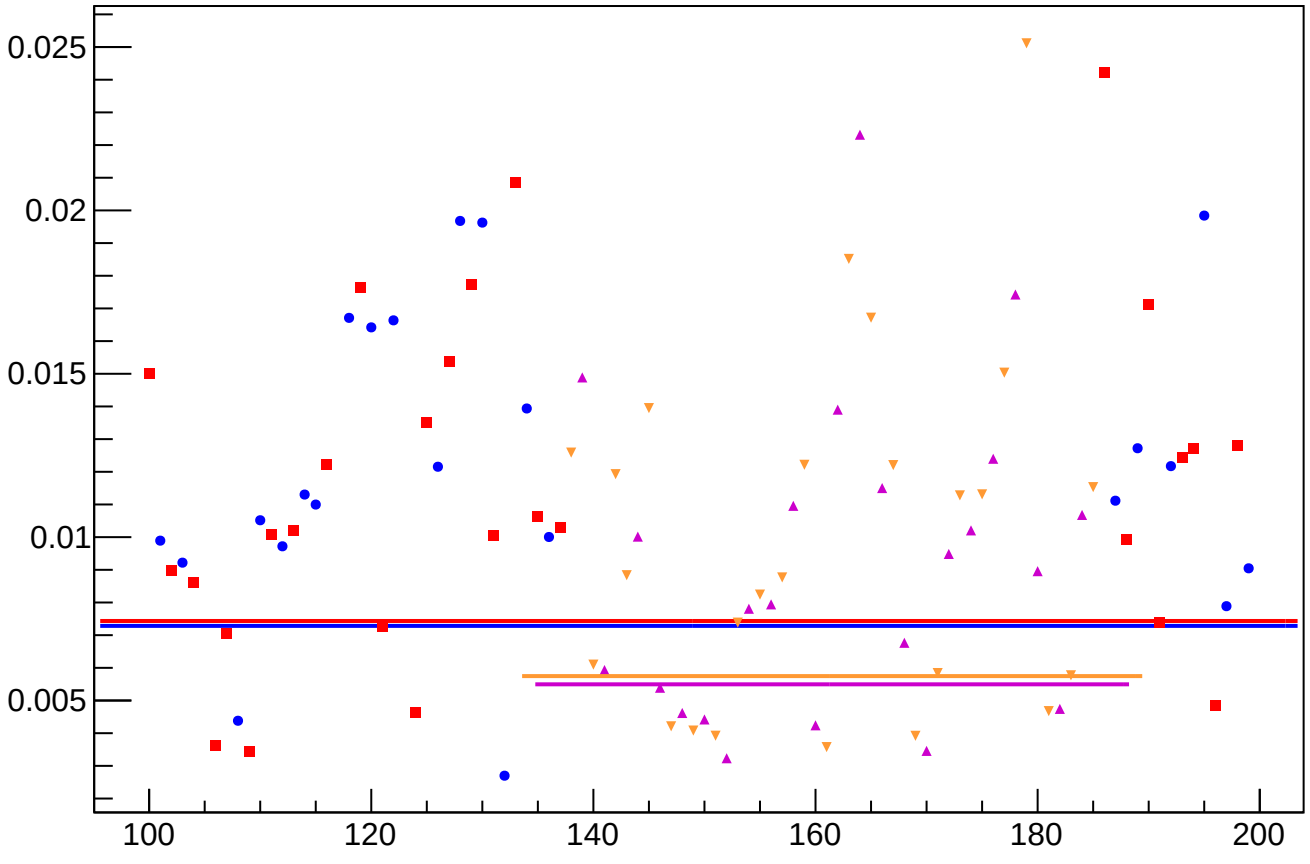
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49


asym_at1_avg_at2_avg_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: 19.2/21
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: 62.0/46
All: 0.000+/-0.000 χ²/NDF: 122.9/96
- sign -0.000+/-0.000 χ²/NDF: 58.3/49



Right In: 0.007+/-0.000 χ^2/NDF: 6117465.6/21

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

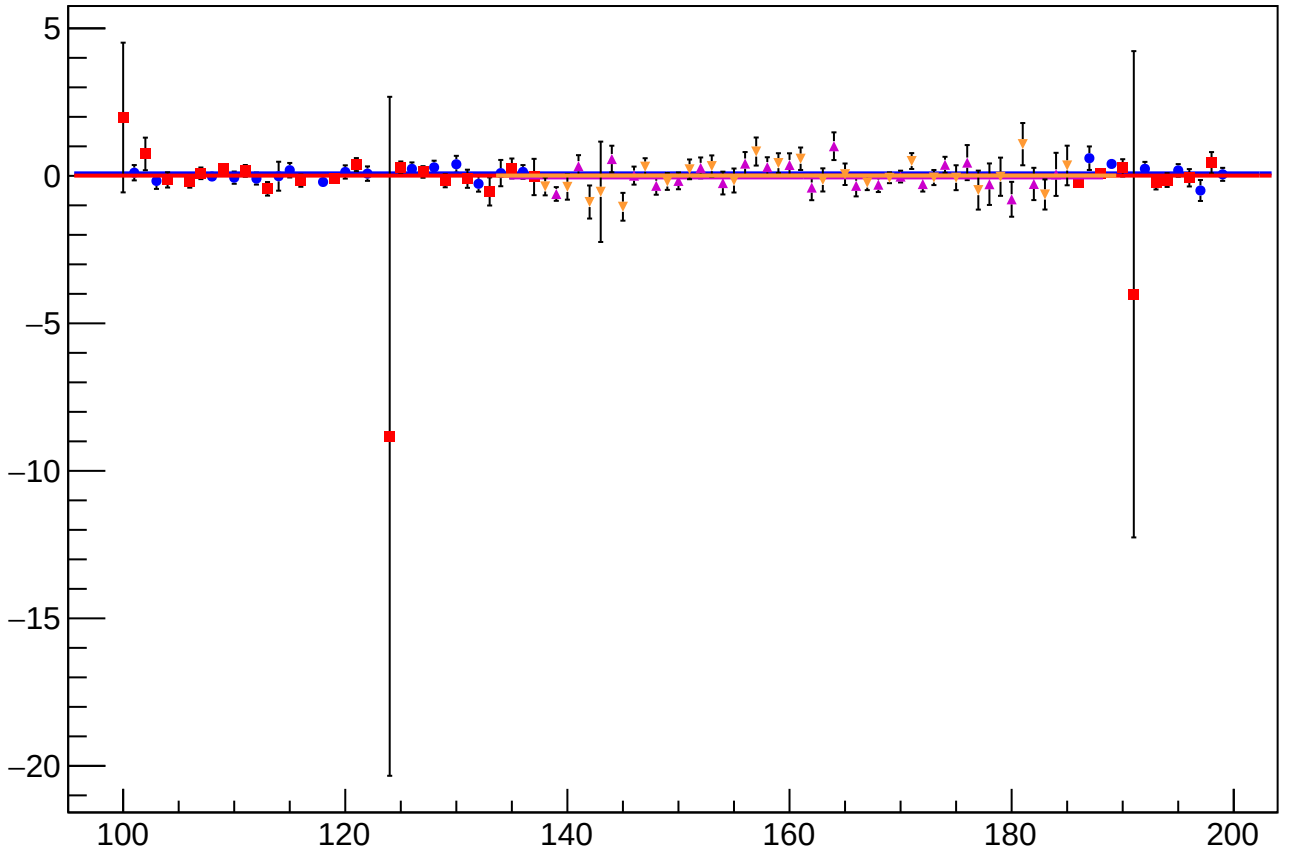
Right Out: 0.007+/-0.000 χ^2/NDF: 5374345.7/26

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14776357.8/46

All: 0.006+/-0.000 χ^2/NDF: 28015444.1/96

\- sign 0.006+/-0.000 χ^2/NDF: 13232496.1/49



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

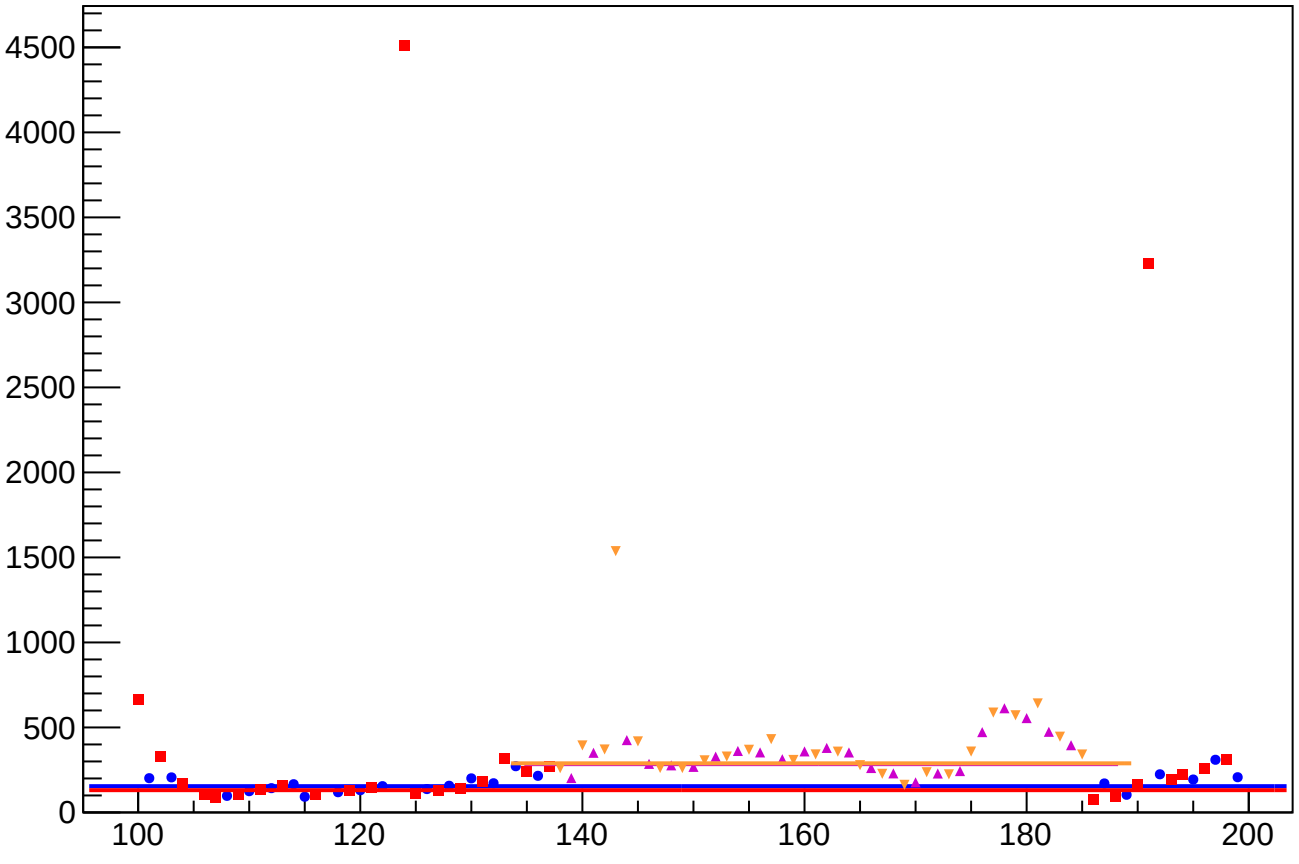
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.022+/-0.027 χ^2/NDF: 108.4/96

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

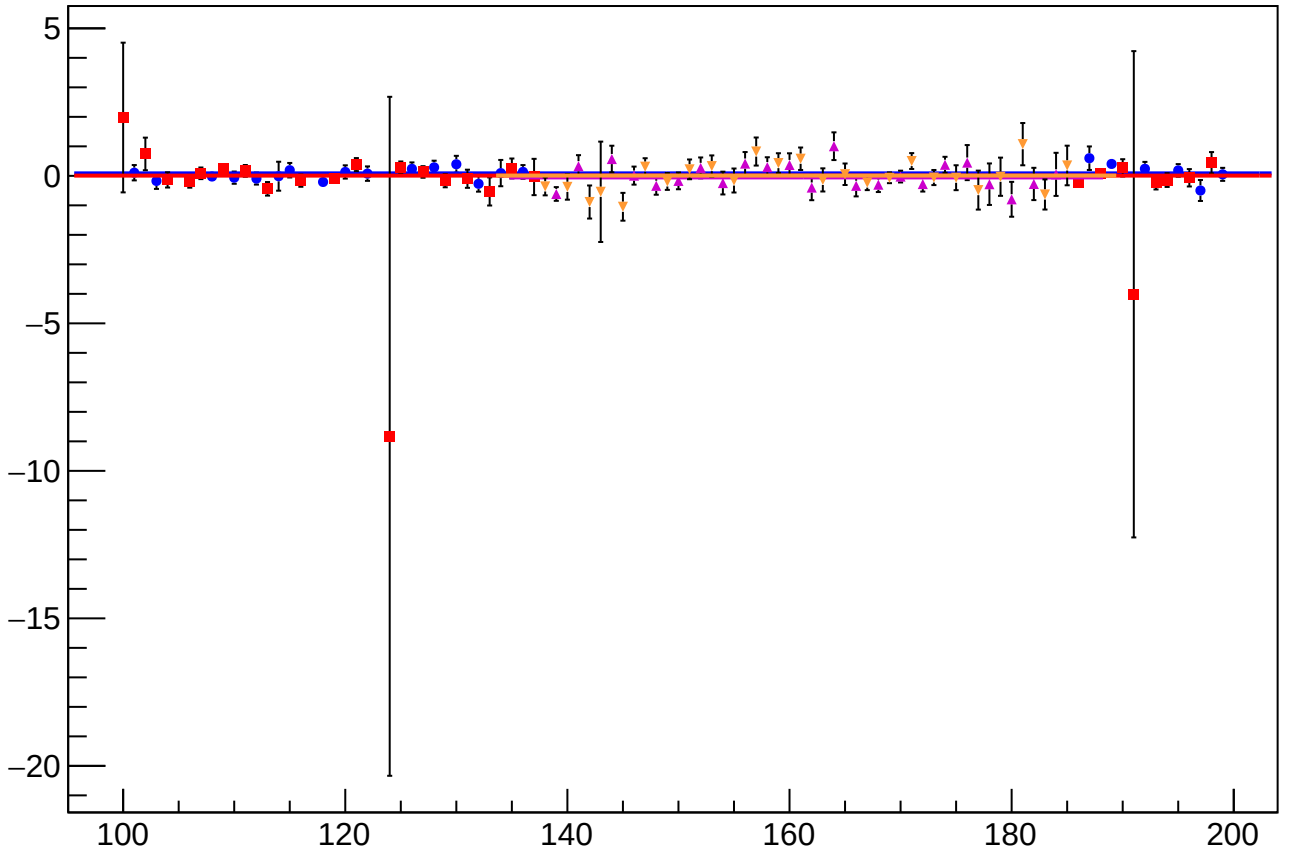
Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.777+/-0.028 χ^2/NDF: 11505888.8/46

All: 183.074+/-0.019 χ^2/NDF: 25988701.3/96

- sign 171.275+/-0.026 χ^2/NDF: 14002062.1/49



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

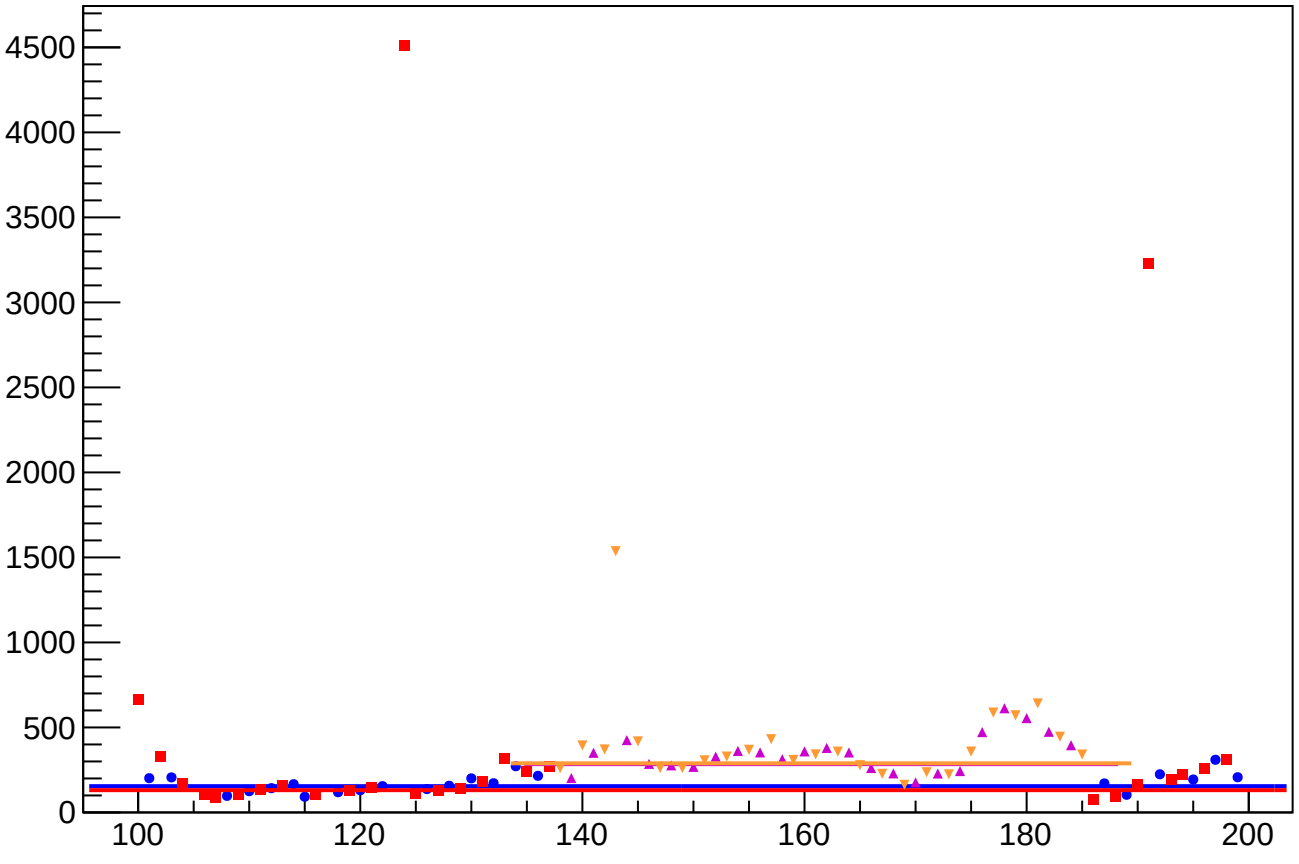
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.022+/-0.027 χ^2/NDF: 108.4/96

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

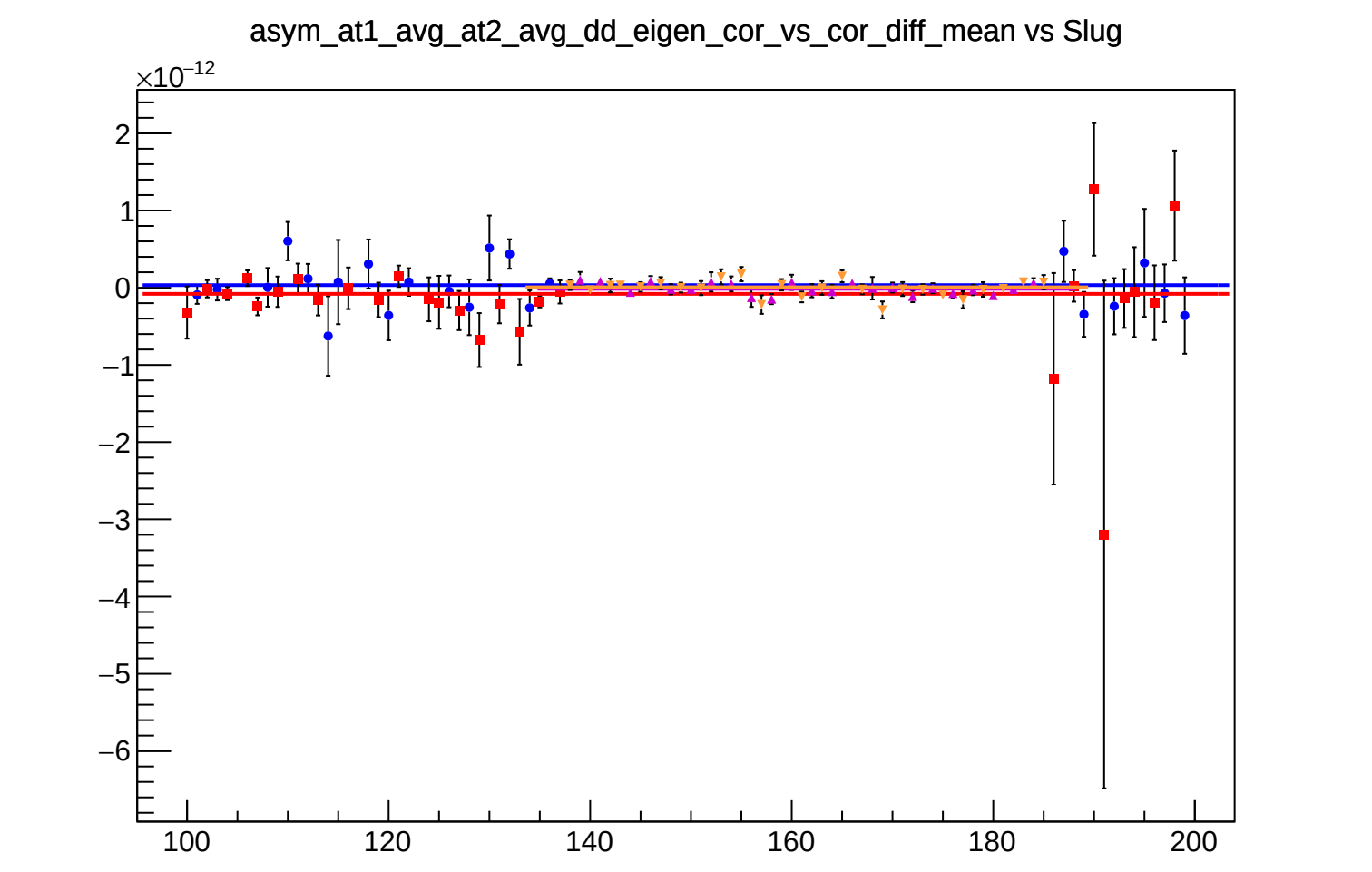
Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.777+/-0.028 χ^2/NDF: 11505888.8/46

All: 183.074+/-0.019 χ^2/NDF: 25988701.3/96

- sign 171.275+/-0.026 χ^2/NDF: 14002062.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

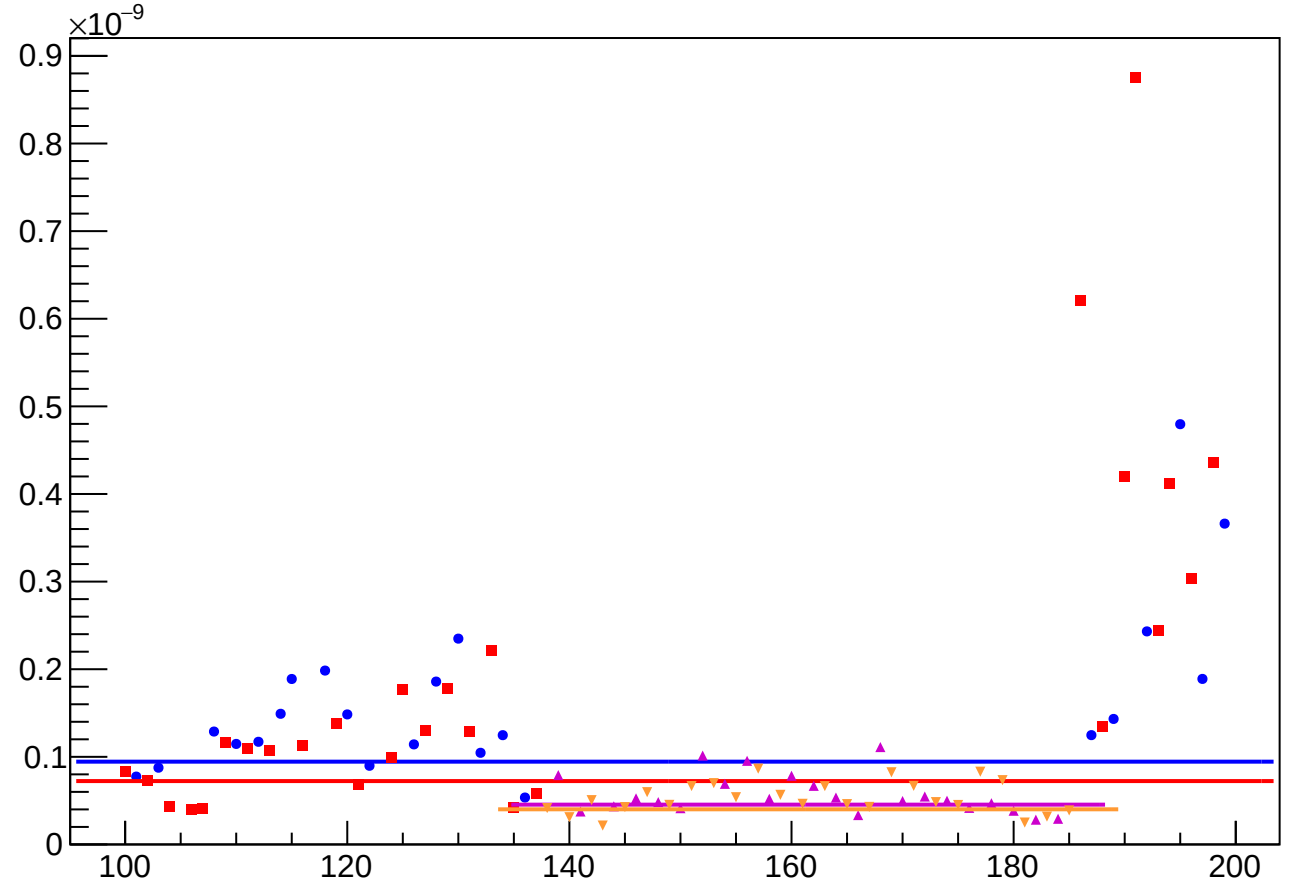
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/46

All: -0.000+/-0.000 χ^2/NDF: 113.0/96

- sign -0.000+/-0.000 χ^2/NDF: 51.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 3379504.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

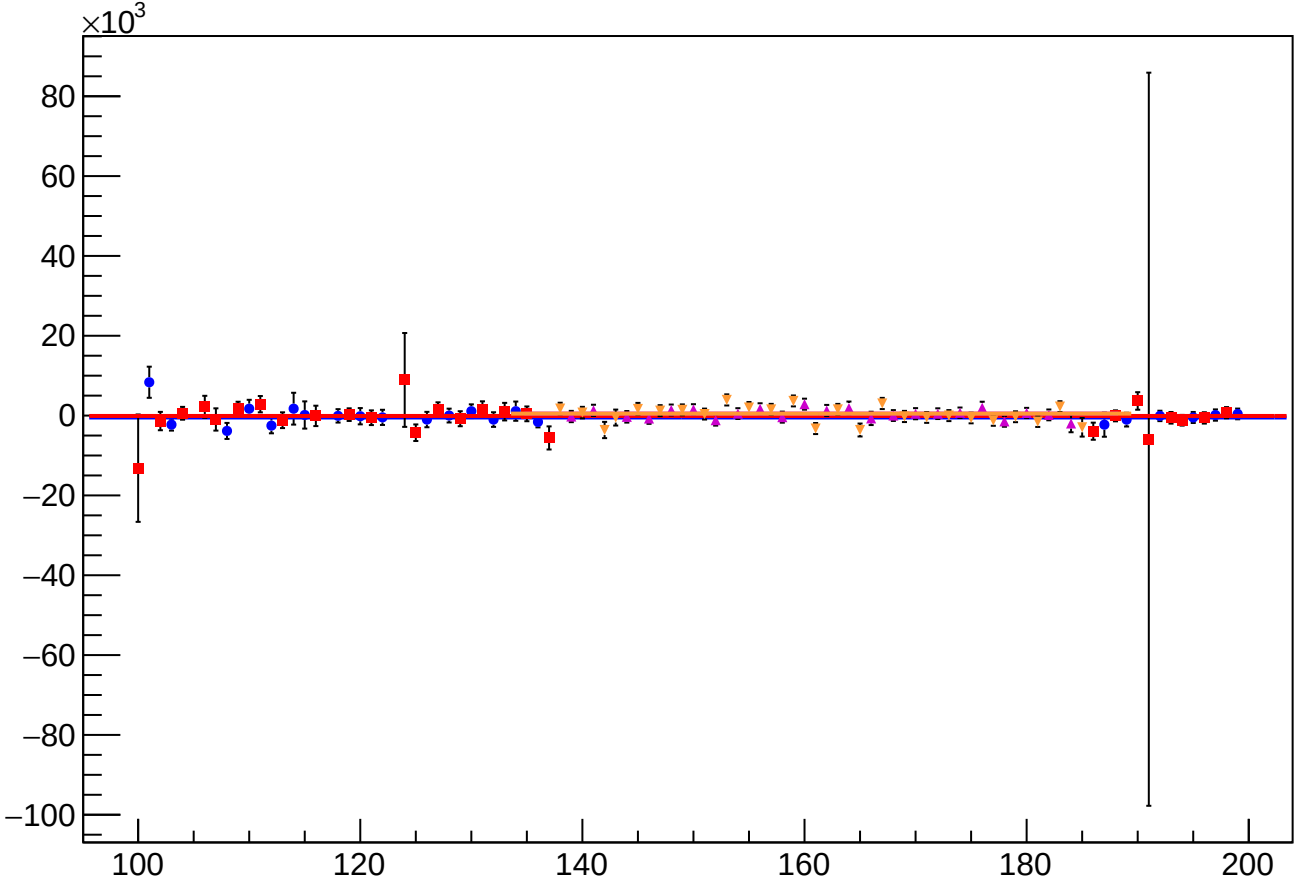
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10178228.5/46

All: 0.000+/-0.000 χ^2/NDF: 19484950.3/96

- sign 0.000+/-0.000 χ^2/NDF: 9155385.7/49

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -94.811+/-372.963 χ^2/NDF: 23.3/26

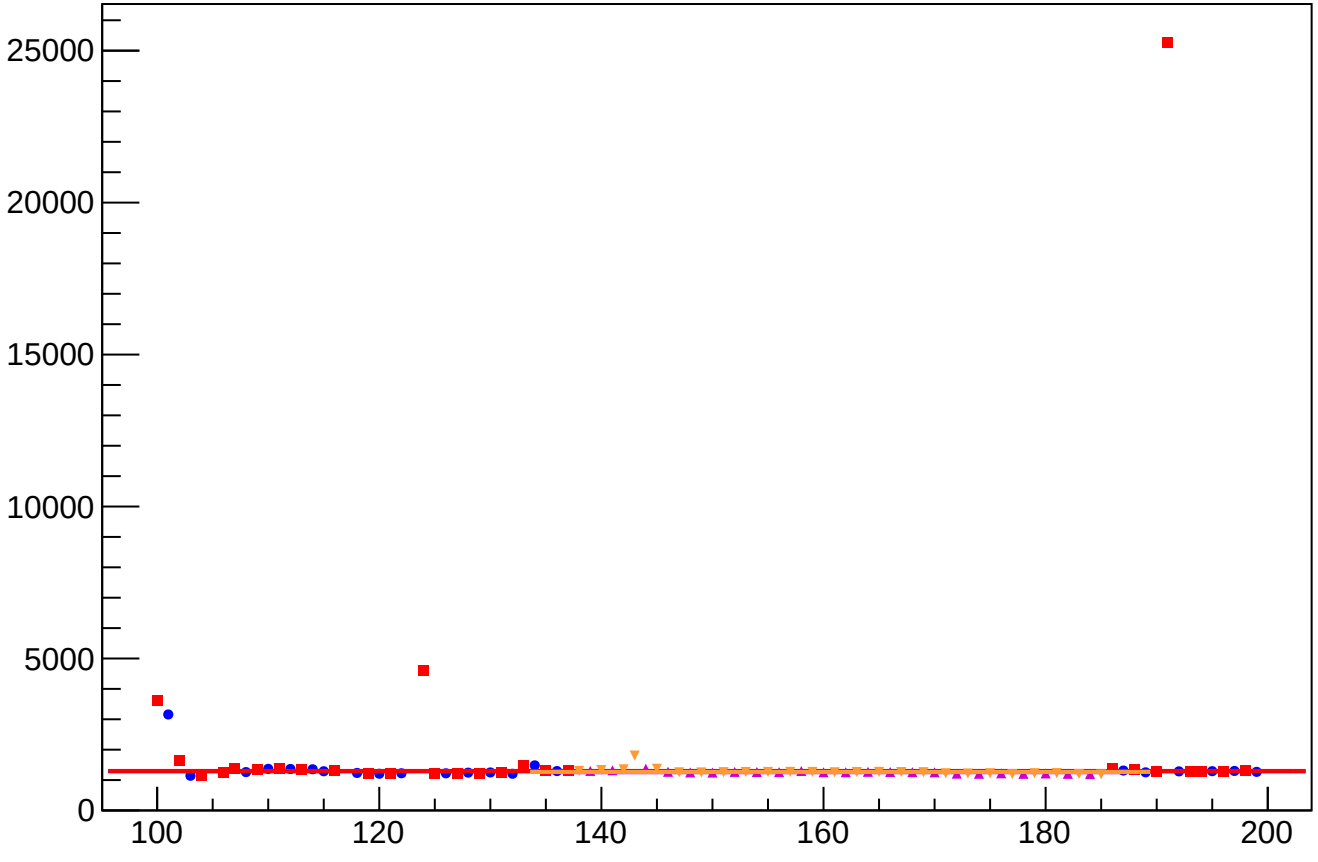
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 142.192+/-230.548 χ^2/NDF: 66.1/46

All: 203.100+/-163.103 χ^2/NDF: 105.5/96

- sign 264.130+/-230.777 χ^2/NDF: 39.2/49

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

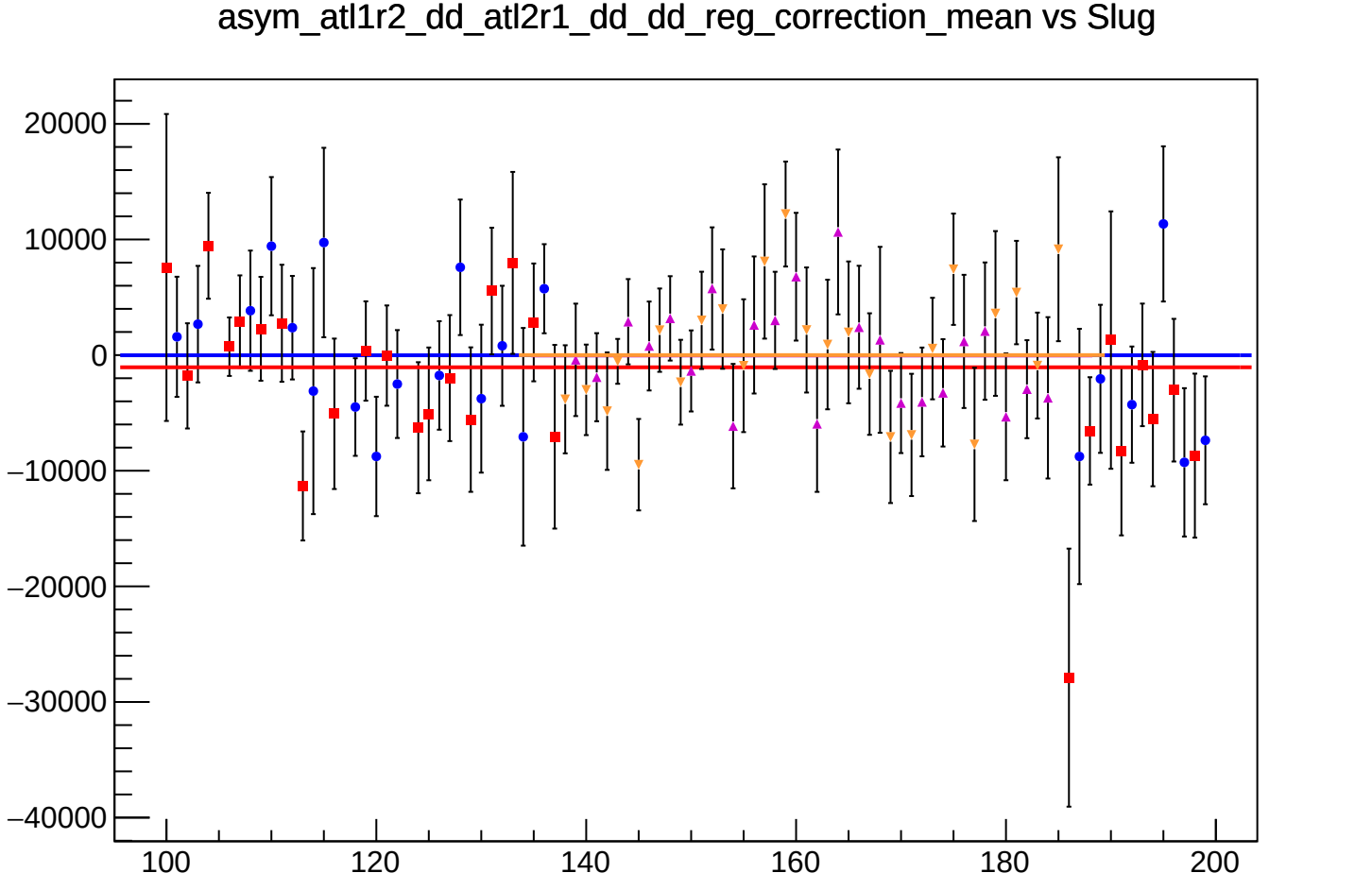
Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

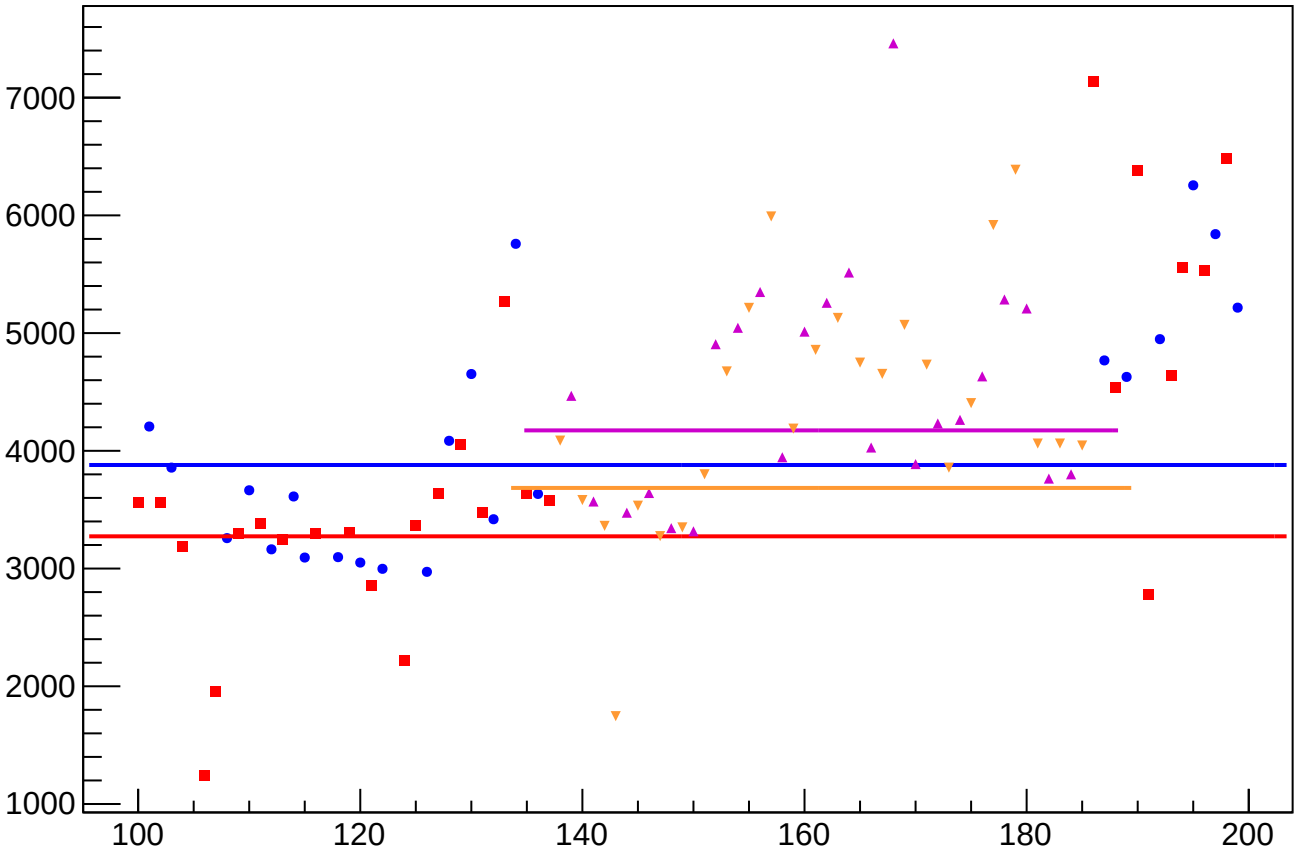
Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707221.8/46

All: 1274.191+/-0.115 χ^2/NDF: 1226377.1/96

- sign 1274.090+/-0.163 χ^2/NDF: 519154.5/49


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -14.713+/-1177.908 χ²/NDF: 22.6/21
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 -5.706+/-708.307 χ²/NDF: 51.7/46
All: -274.742+/-499.672 χ²/NDF: 96.0/96
- sign -541.266+/-704.992 χ²/NDF: 44.1/49



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

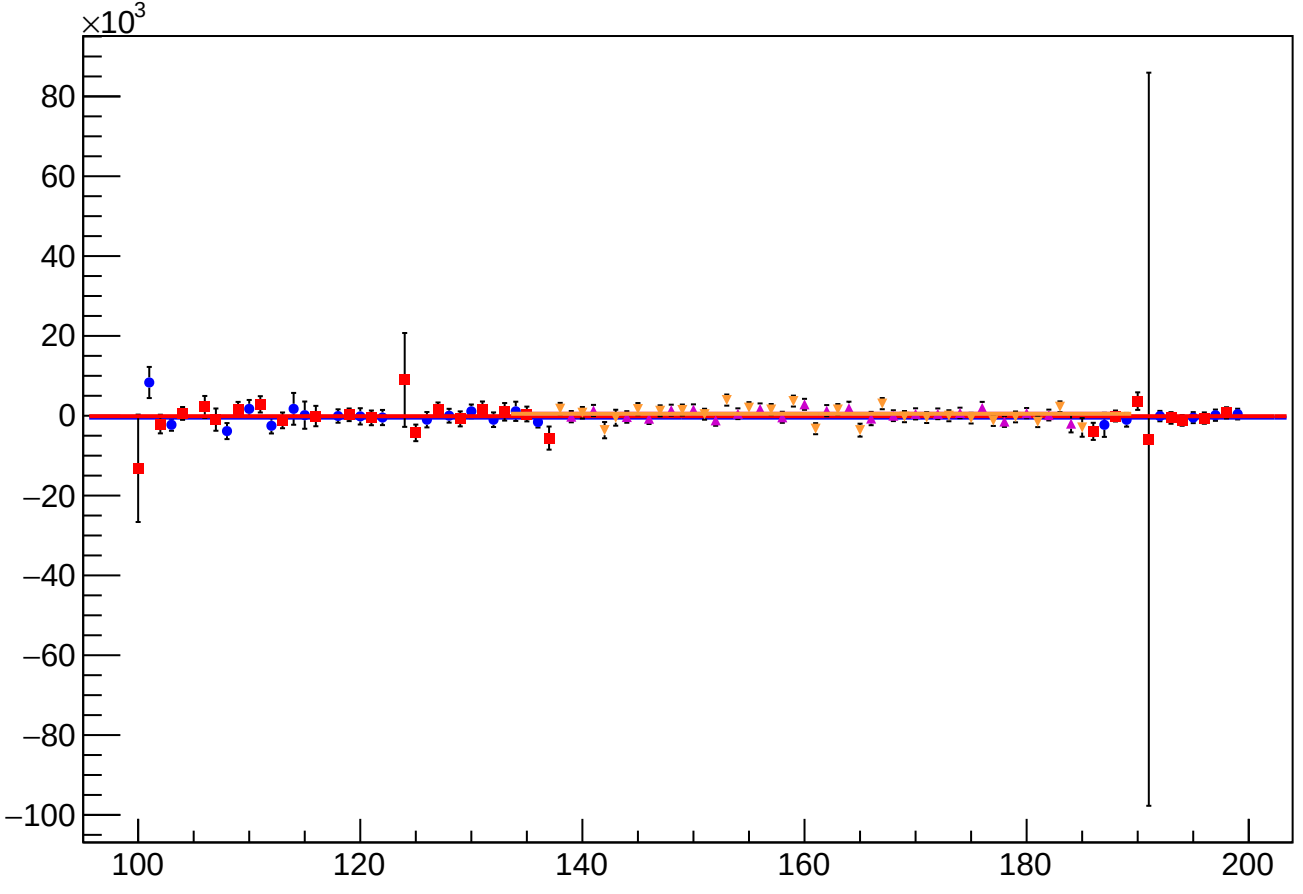
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3755.240+/-0.501 χ^2/NDF: 4925415.8/46

All: 3740.123+/-0.353 χ^2/NDF: 10483348.5/9

- sign 3725.147+/-0.499 χ^2/NDF: 5556119.1/49

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

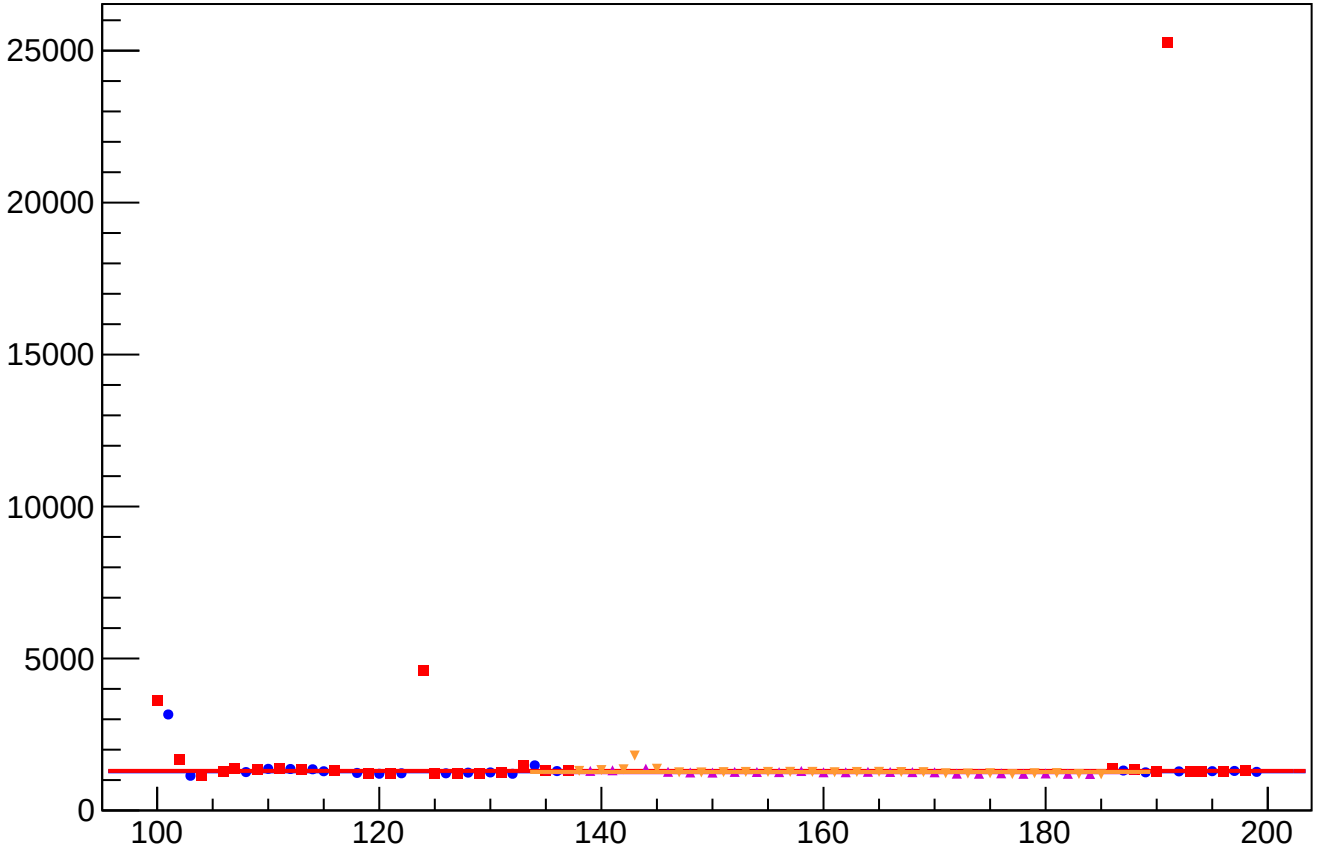
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 199.817+/-163.115 χ^2/NDF: 106.0/96

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

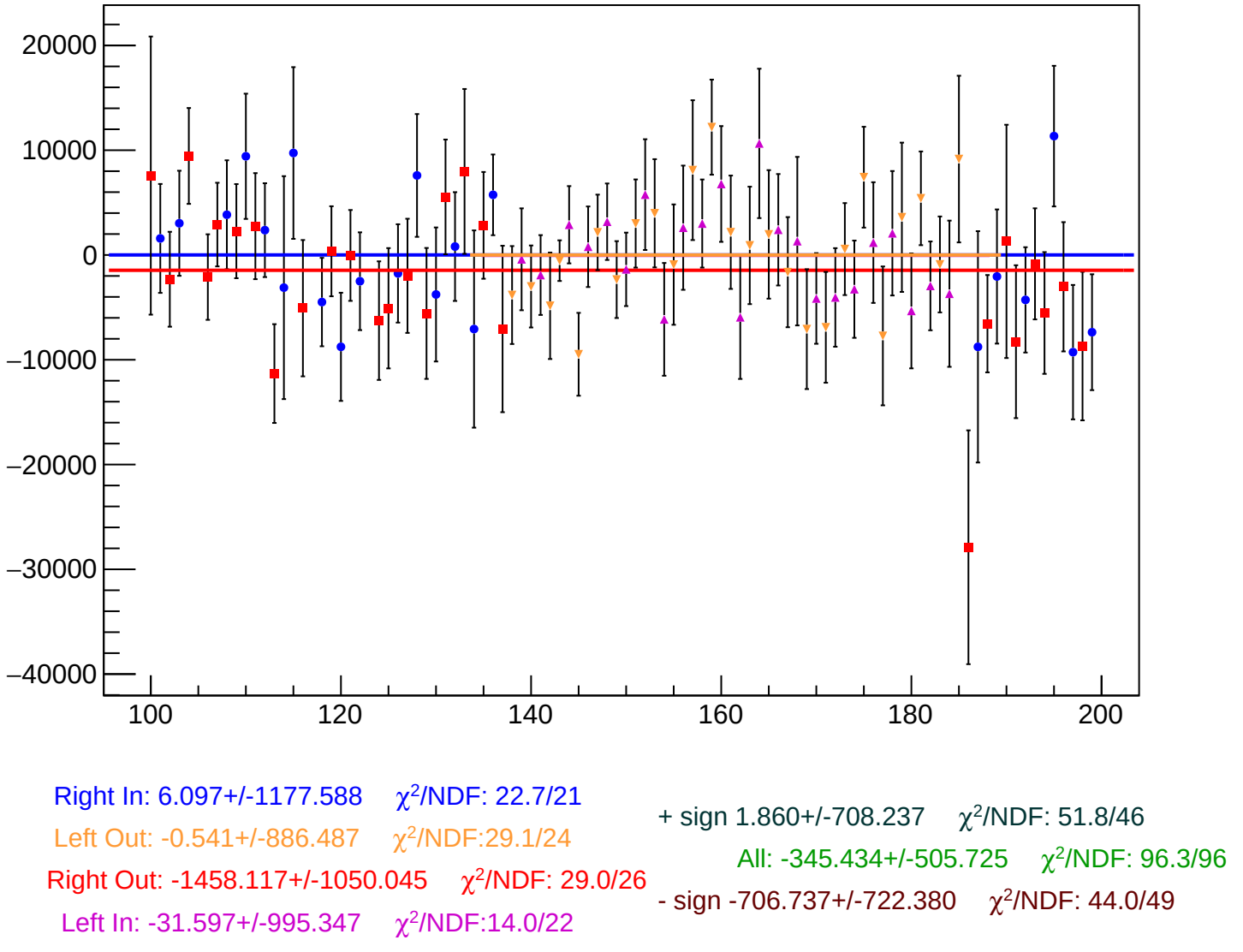
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

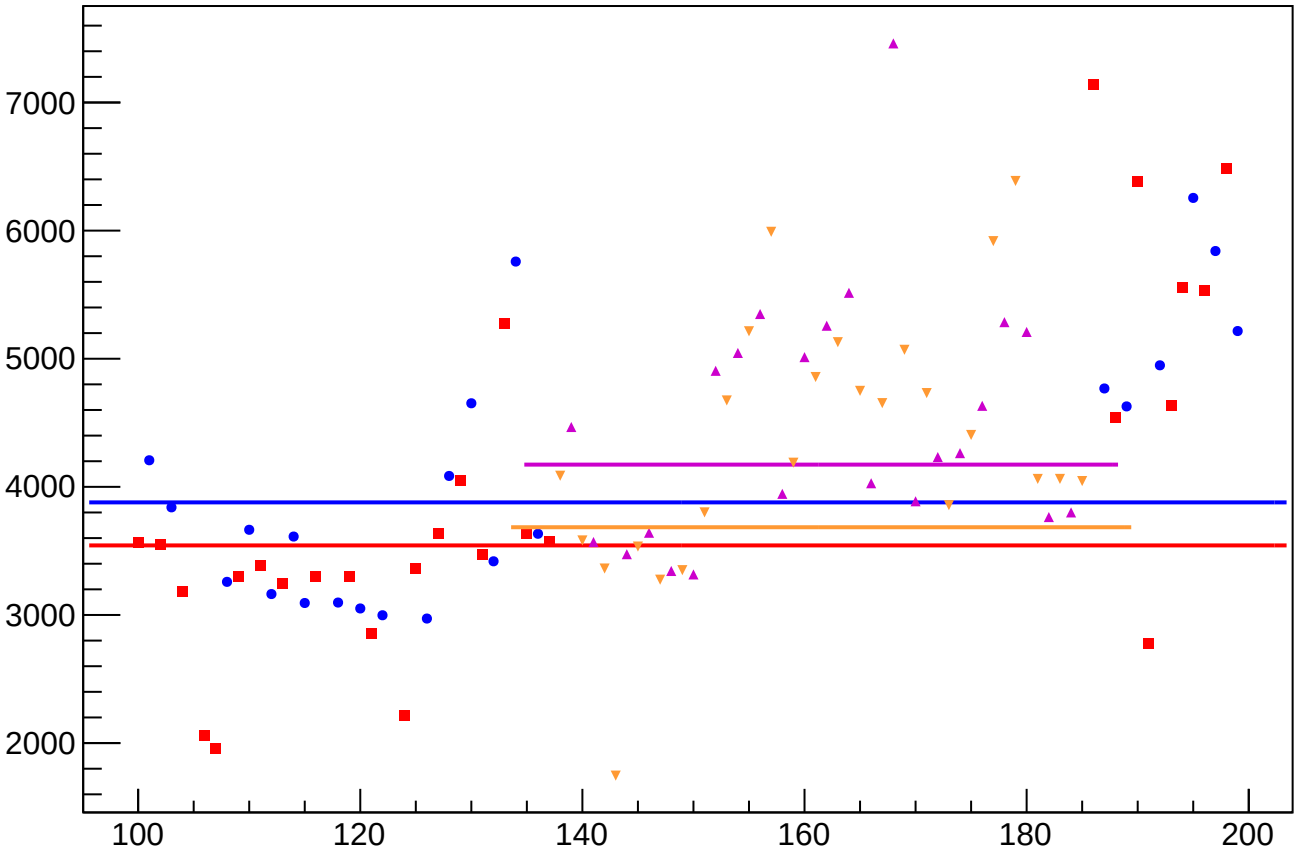
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96

- 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: 6.097+/-1177.588 χ²/NDF: 22.7/21
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 1.860+/-708.237 χ²/NDF: 51.8/46
All: -345.434+/-505.725 χ²/NDF: 96.3/96
- sign -706.737+/-722.380 χ²/NDF: 44.0/49



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

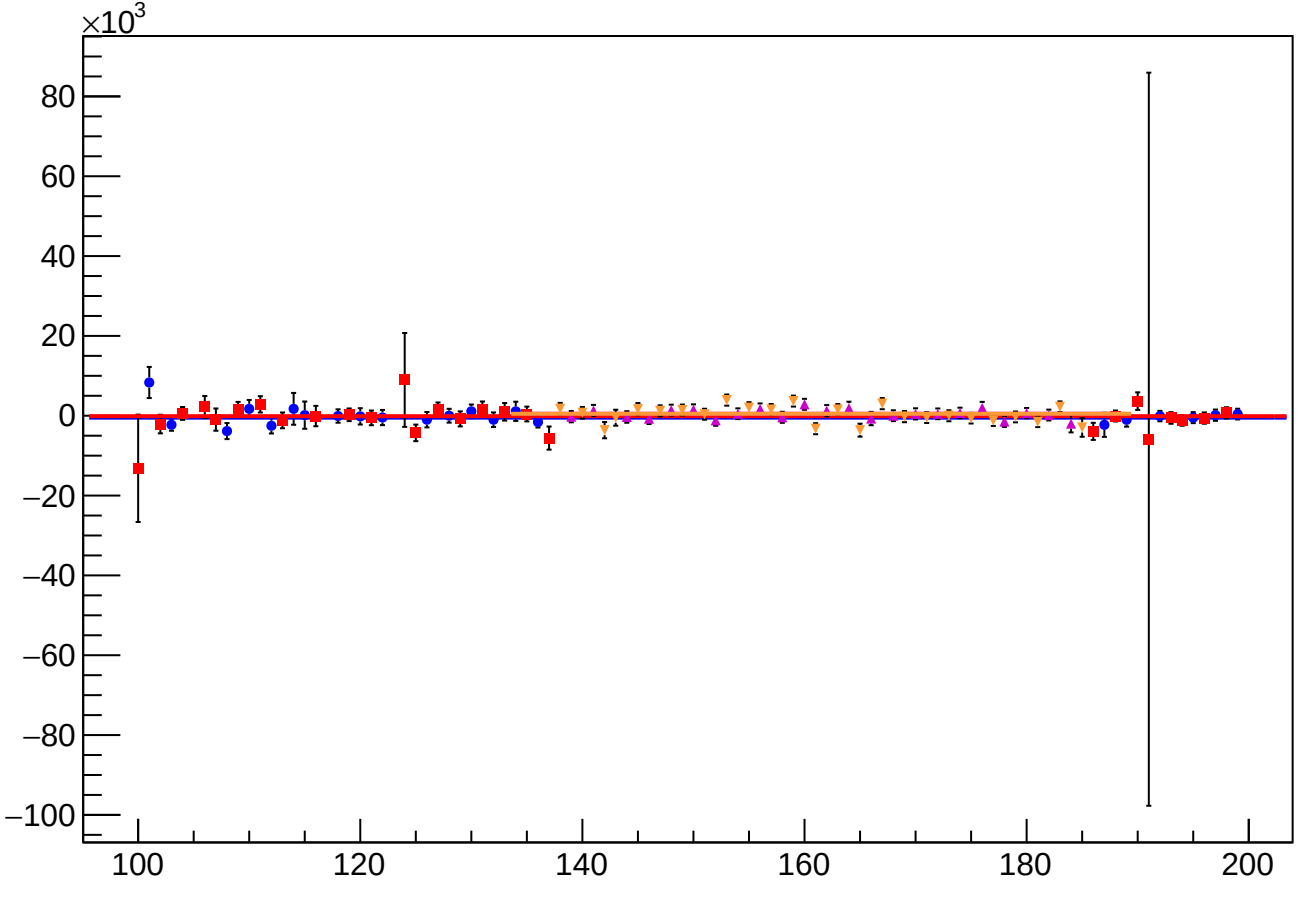
Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3813.816+/-0.358 χ^2/NDF: 8828544.6/96

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -111.879+/-373.108 χ^2/NDF: 23.7/26

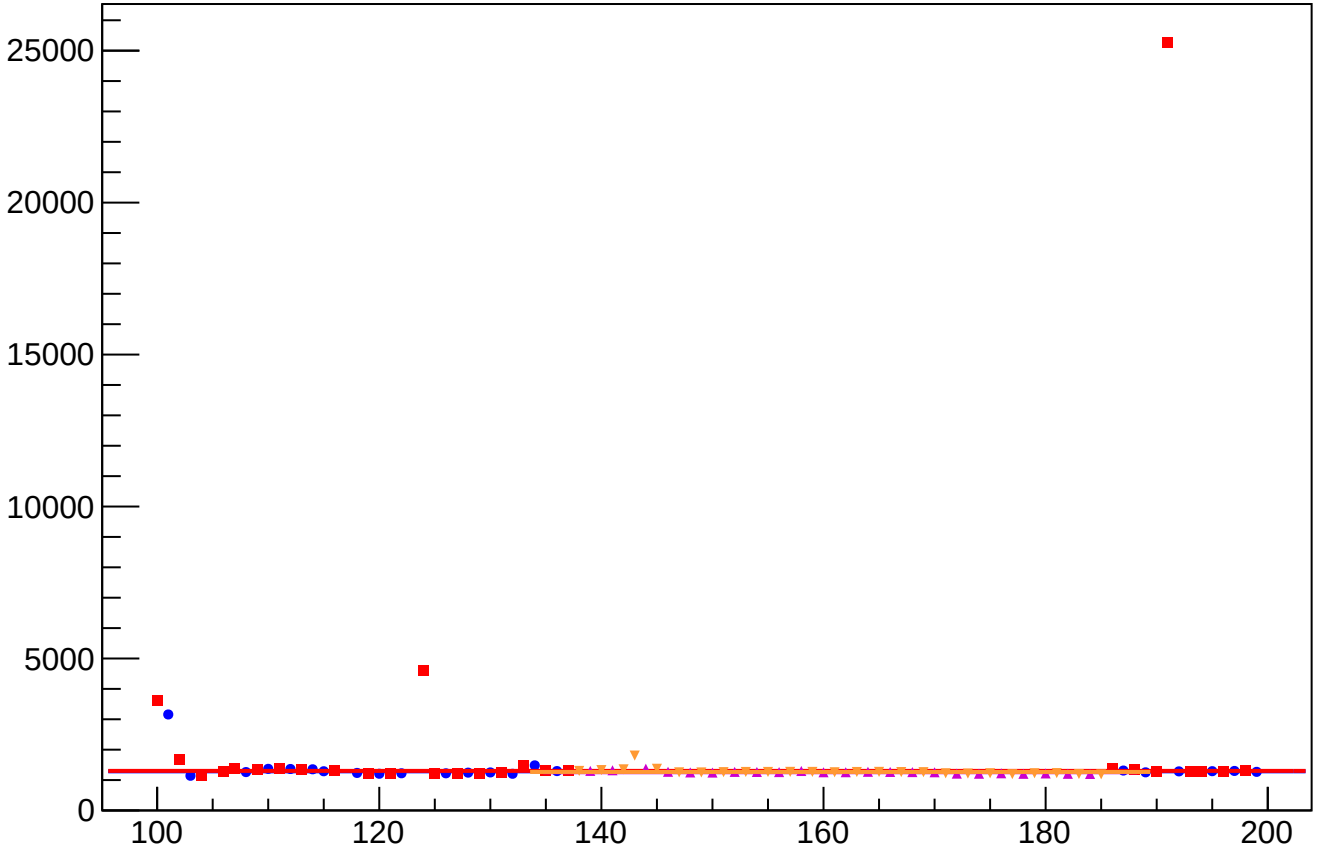
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 142.123+/-230.549 χ^2/NDF: 66.1/46

All: 199.817+/-163.115 χ^2/NDF: 106.0/96

- sign 257.642+/-230.812 χ^2/NDF: 39.7/49

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

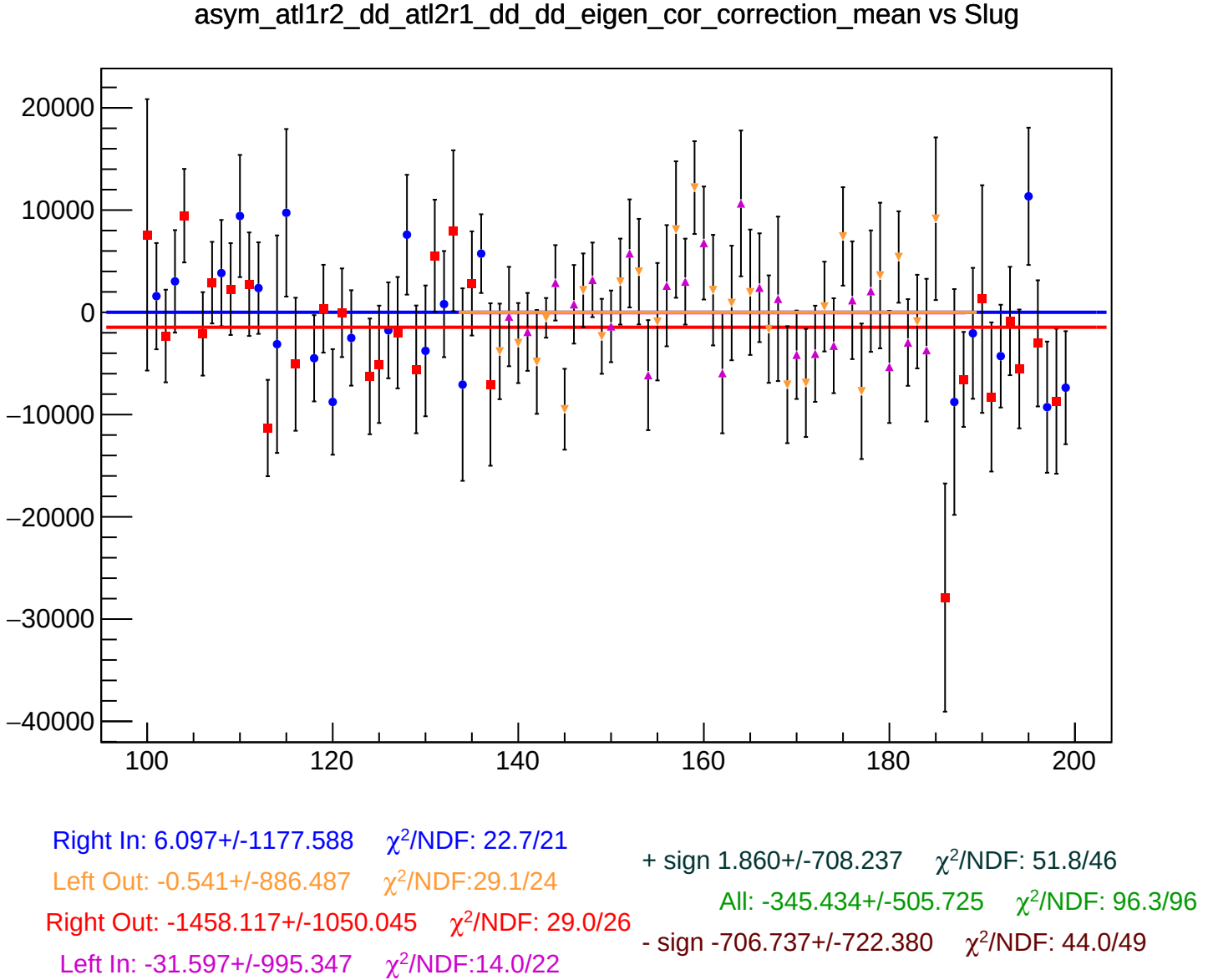
Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

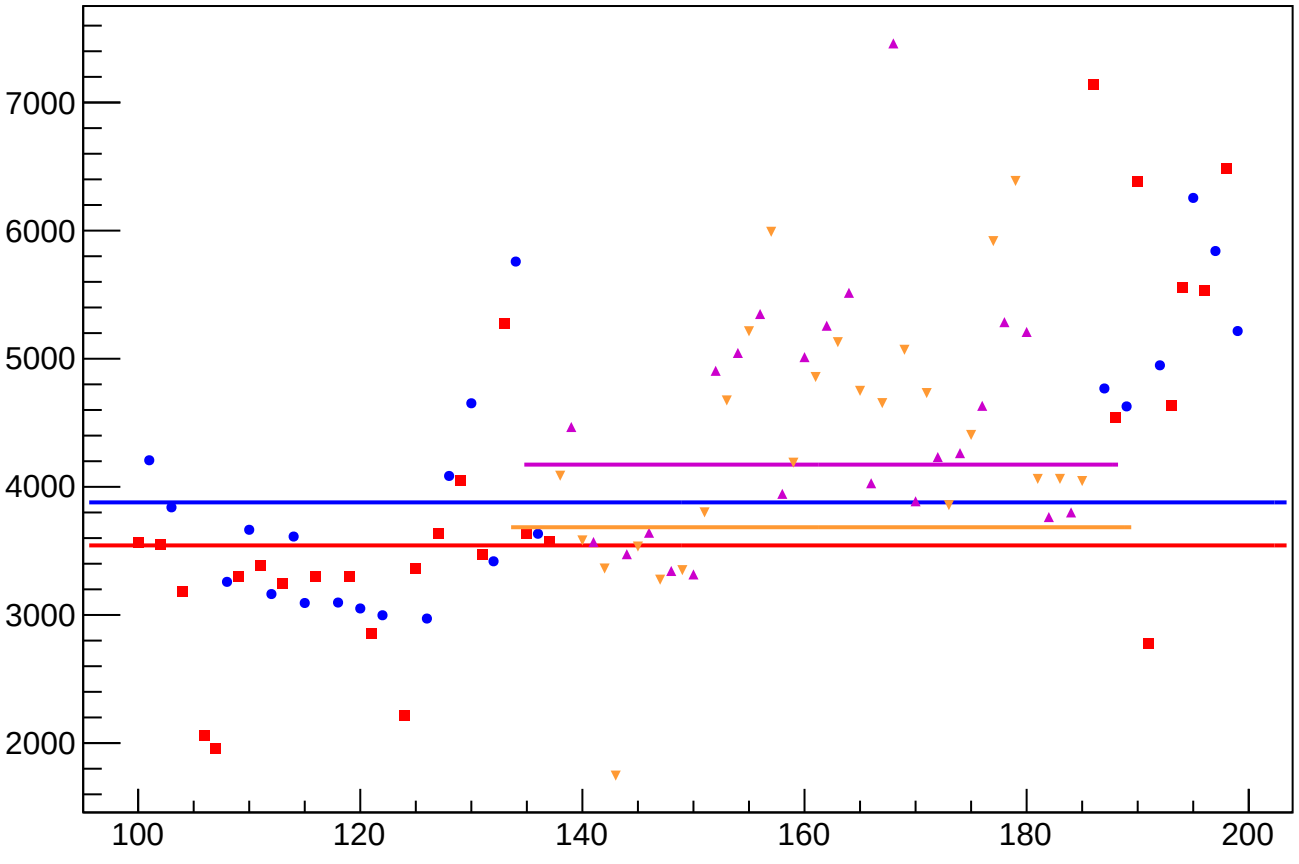
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.292+/-0.163 χ^2/NDF: 707223.2/46

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96

- 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: 6.097+/-1177.588 χ²/NDF: 22.7/21
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 1.860+/-708.237 χ²/NDF: 51.8/46
All: -345.434+/-505.725 χ²/NDF: 96.3/96
- sign -706.737+/-722.380 χ²/NDF: 44.0/49



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

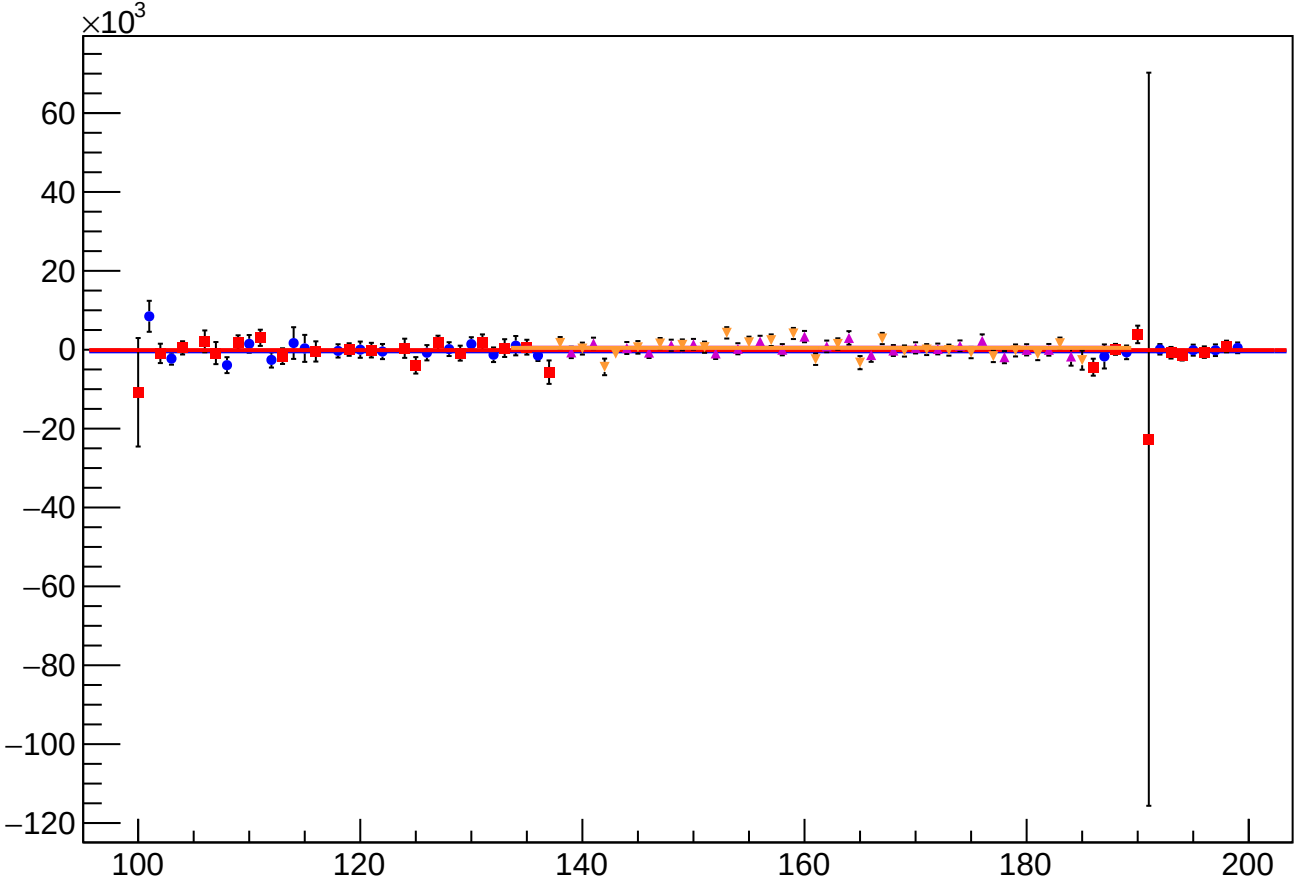
Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3754.926+/-0.501 χ^2/NDF: 4925282.6/46

All: 3813.816+/-0.358 χ^2/NDF: 8828544.6/96

- sign 3875.081+/-0.511 χ^2/NDF: 3875048.9/49



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.322+/-374.882 χ^2/NDF: 24.0/26

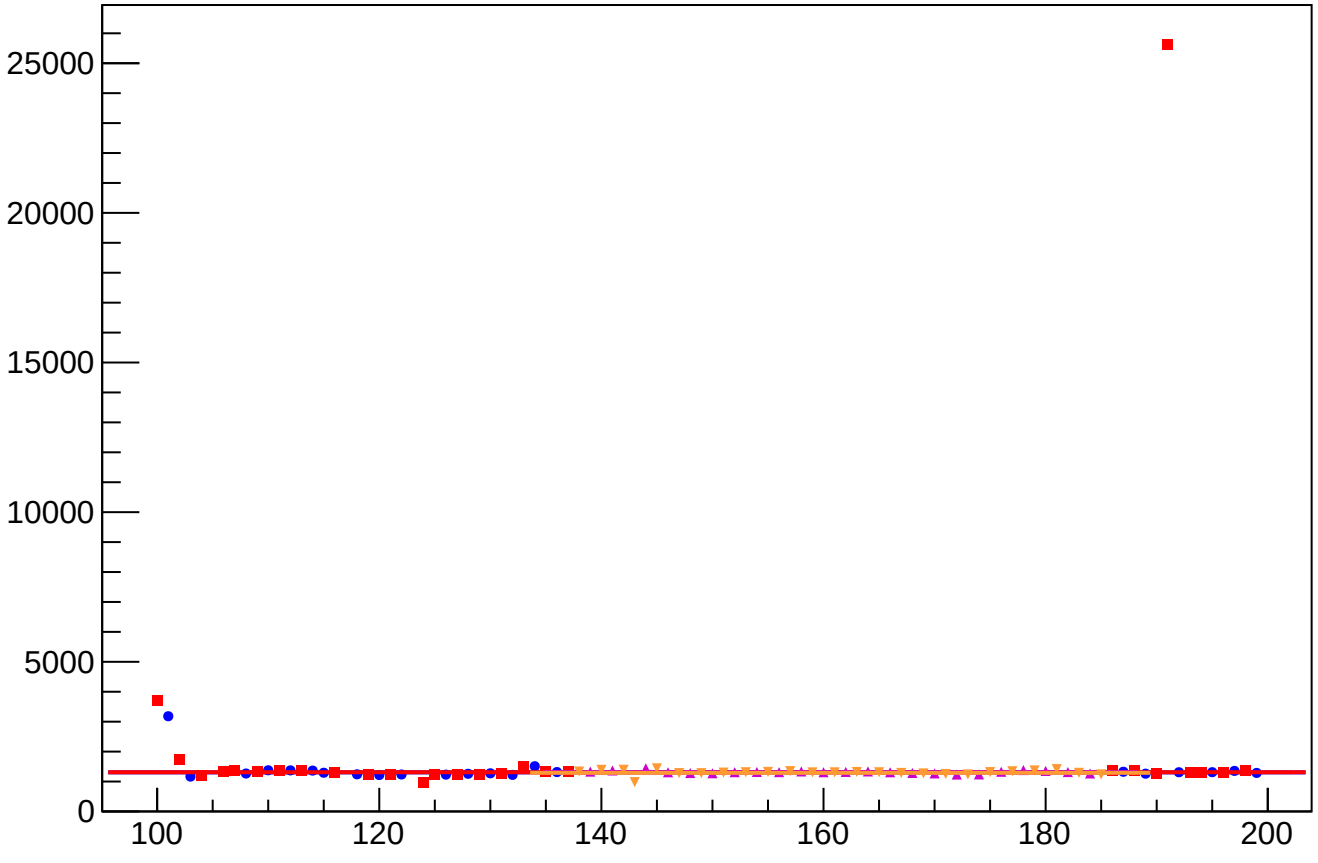
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 149.631+/-234.692 χ^2/NDF: 62.5/46

All: 206.077+/-166.952 χ^2/NDF: 105.5/96

- sign 263.903+/-237.544 χ^2/NDF: 42.9/49

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

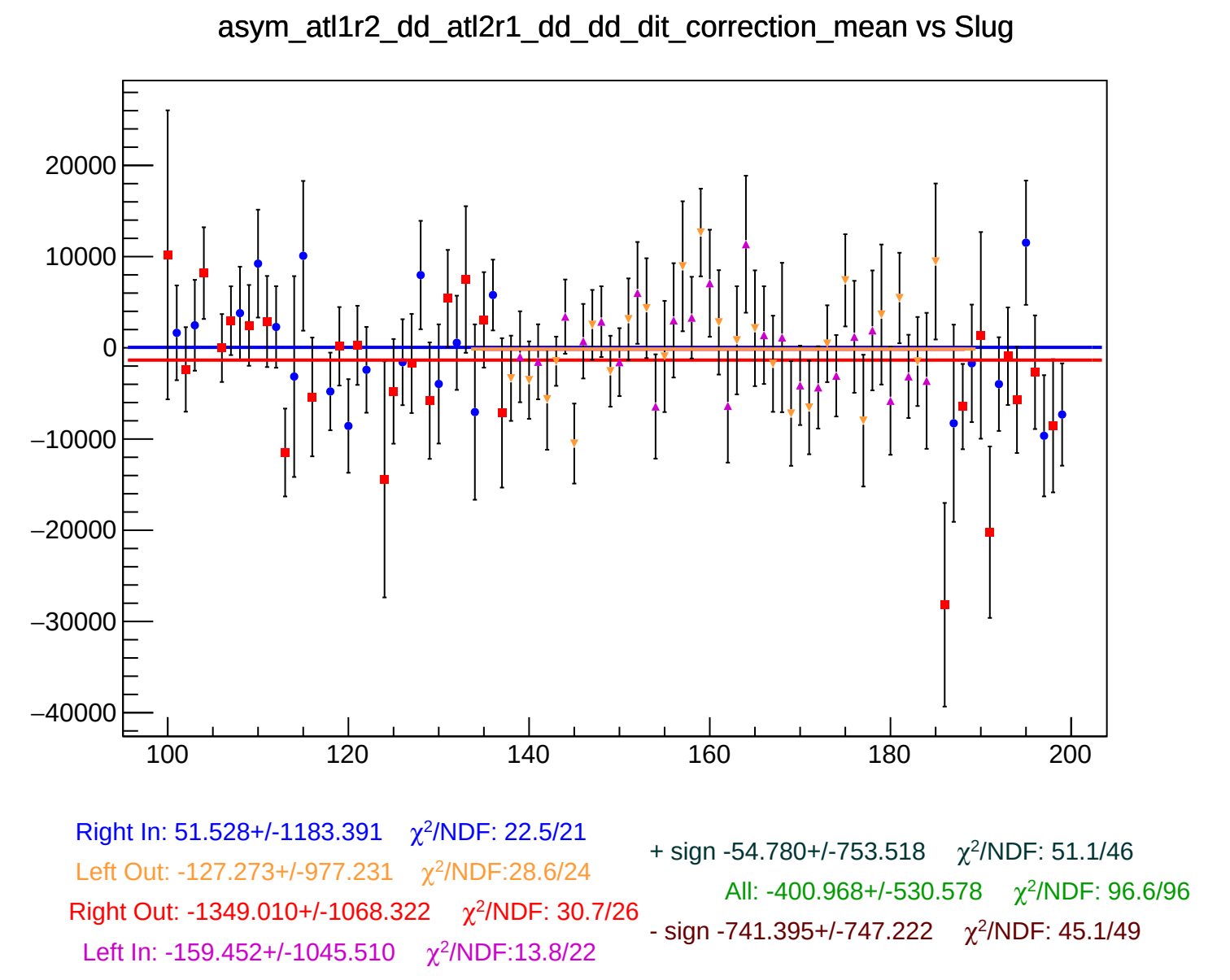
Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

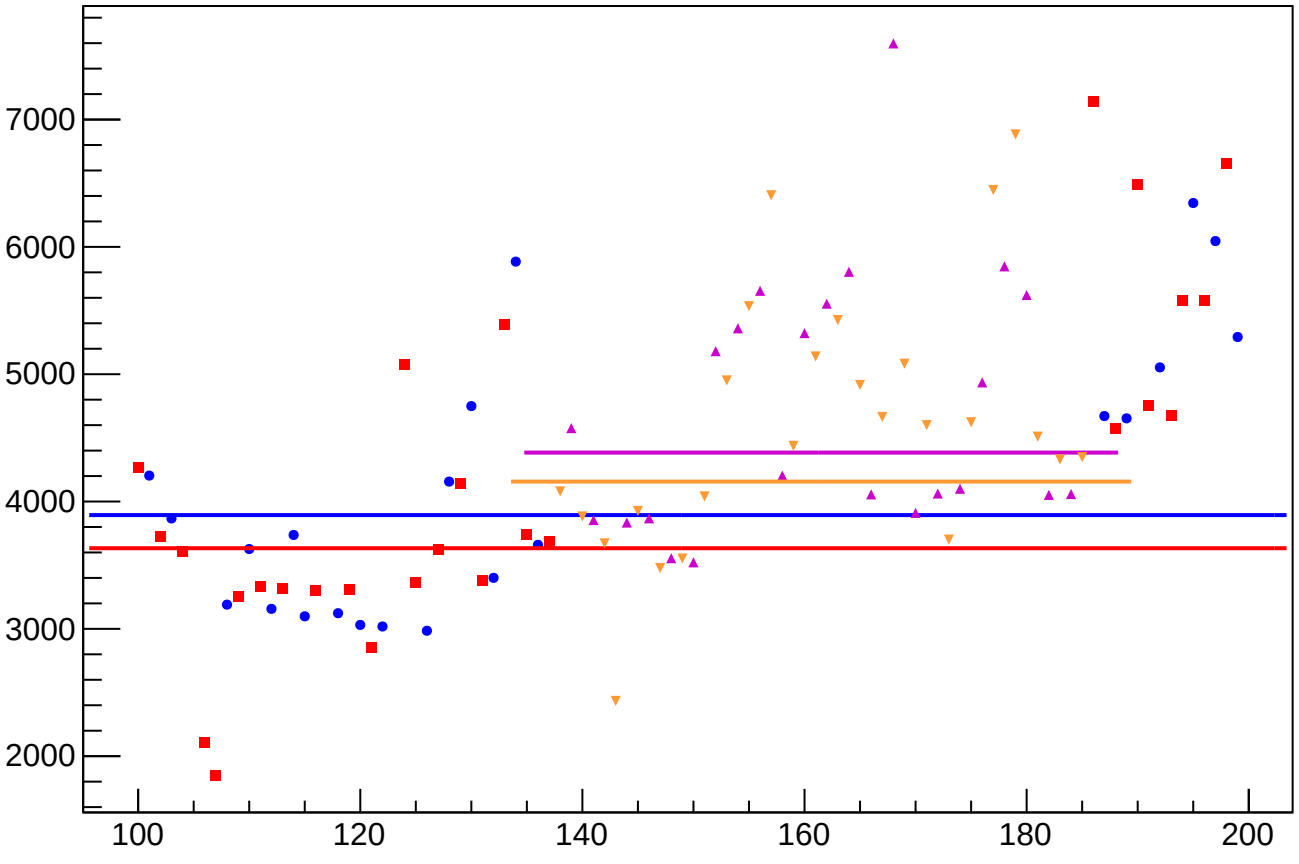
Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.503+/-0.166 χ^2/NDF: 747115.9/46

All: 1304.394+/-0.118 χ^2/NDF: 1157958.5/96

- sign 1312.475+/-0.168 χ^2/NDF: 406266.1/49


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 51.528+/-1183.391 χ²/NDF: 22.5/21
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: -1349.010+/-1068.322 χ²/NDF: 30.7/26
Left In: -159.452+/-1045.510 χ²/NDF:13.8/22
+ sign -54.780+/-753.518 χ²/NDF: 51.1/46
All: -400.968+/-530.578 χ²/NDF: 96.6/96
- sign -741.395+/-747.222 χ²/NDF: 45.1/49



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

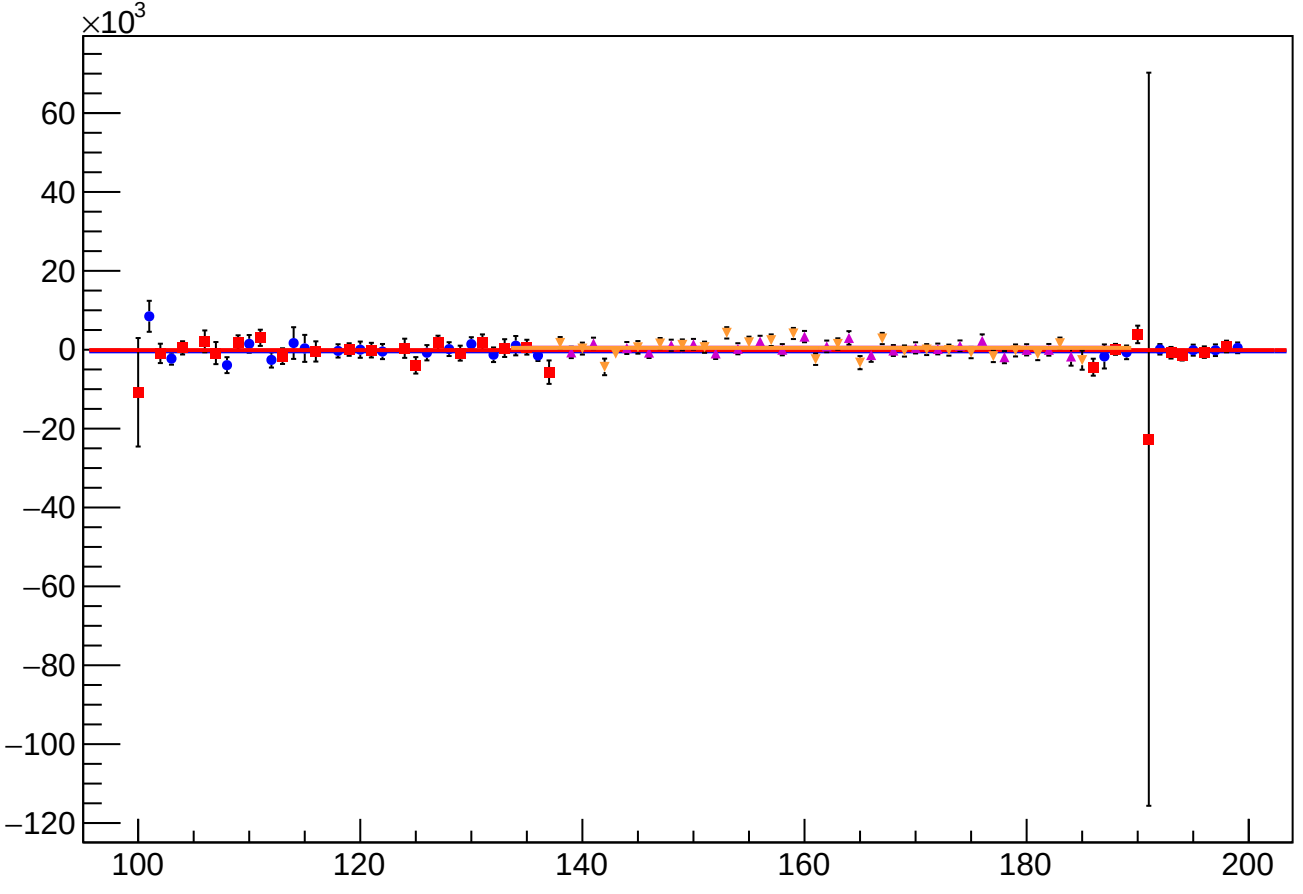
Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4049.905+/-0.533 χ^2/NDF: 3410706.2/46

All: 4033.278+/-0.375 χ^2/NDF: 7484379.0/96

- sign 4016.928+/-0.528 χ^2/NDF: 4071741.4/49



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -93.319+/-374.882 χ^2/NDF: 24.0/26

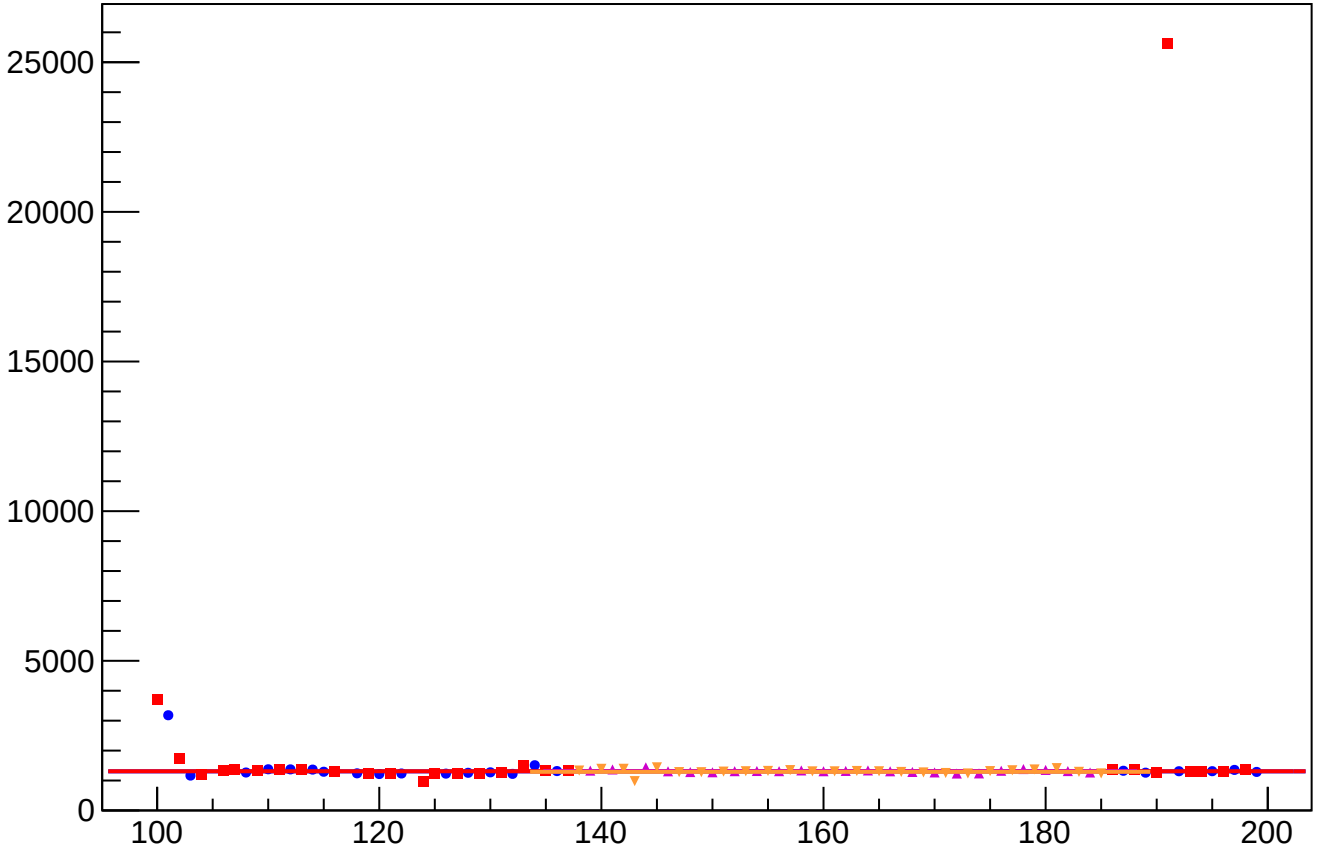
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign 149.633+/-234.692 χ^2/NDF: 62.5/46

All: 206.079+/-166.952 χ^2/NDF: 105.5/96

\- sign 263.904+/-237.544 χ^2/NDF: 42.9/49

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

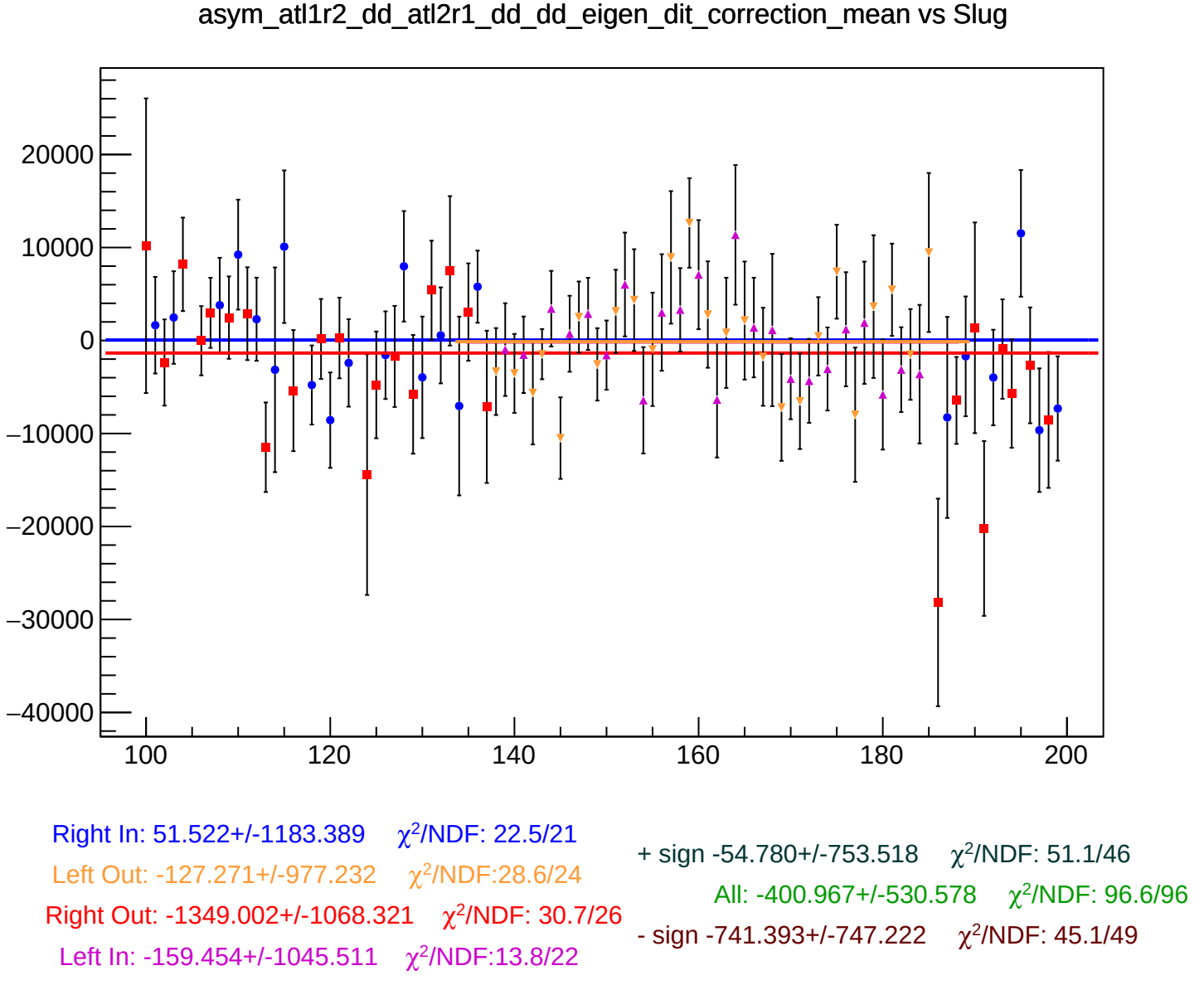
Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

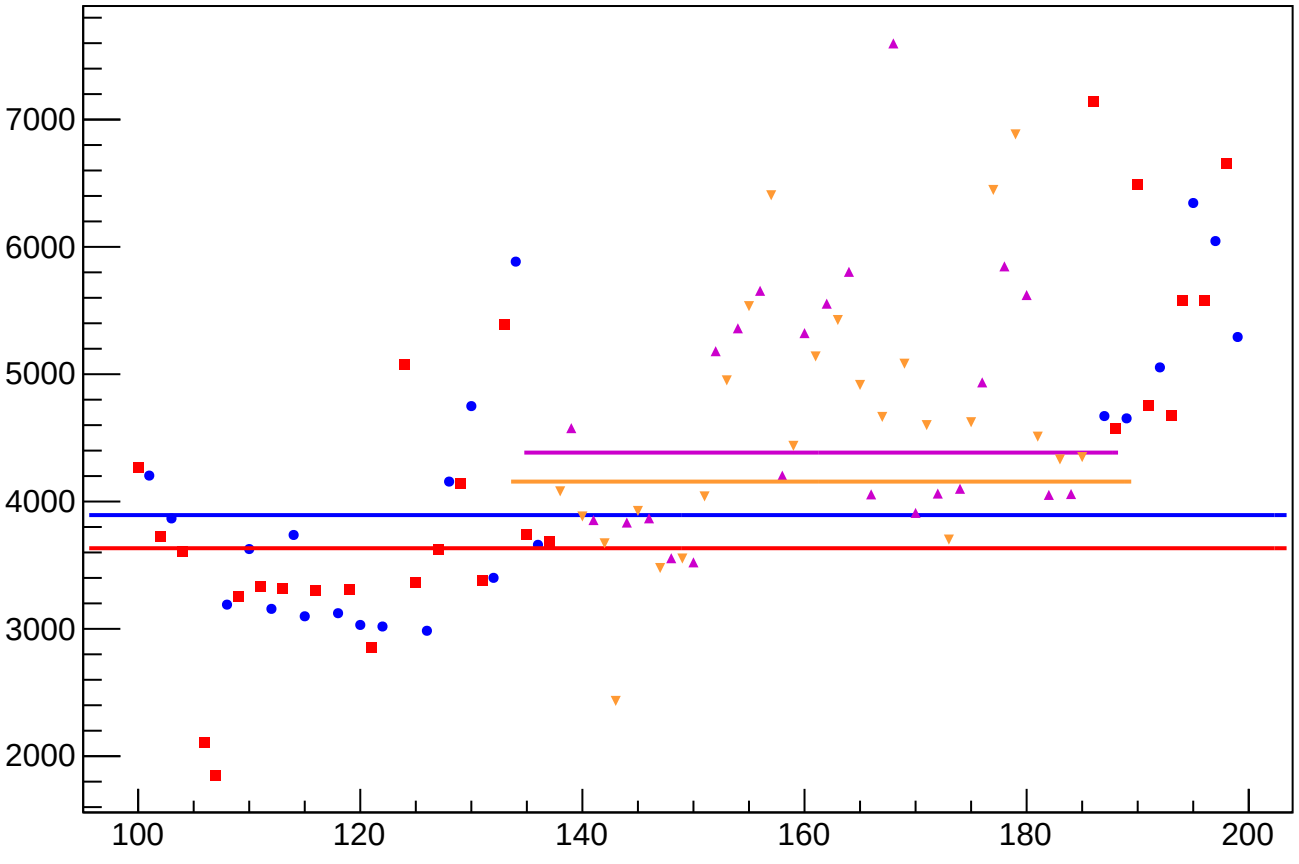
Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.504+/-0.166 χ^2/NDF: 747118.3/46

All: 1304.395+/-0.118 χ^2/NDF: 1157963.4/96

- sign 1312.476+/-0.168 χ^2/NDF: 406268.6/49


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 51.522+/-1183.389 χ²/NDF: 22.5/21
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 -54.780+/-753.518 χ²/NDF: 51.1/46
All: -400.967+/-530.578 χ²/NDF: 96.6/96
- sign -741.393+/-747.222 χ²/NDF: 45.1/49



Right In: 3893.463+/-0.837 χ^2/NDF: 1271176.6/21

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3633.318+/-0.755 χ^2/NDF: 2311456.9/26

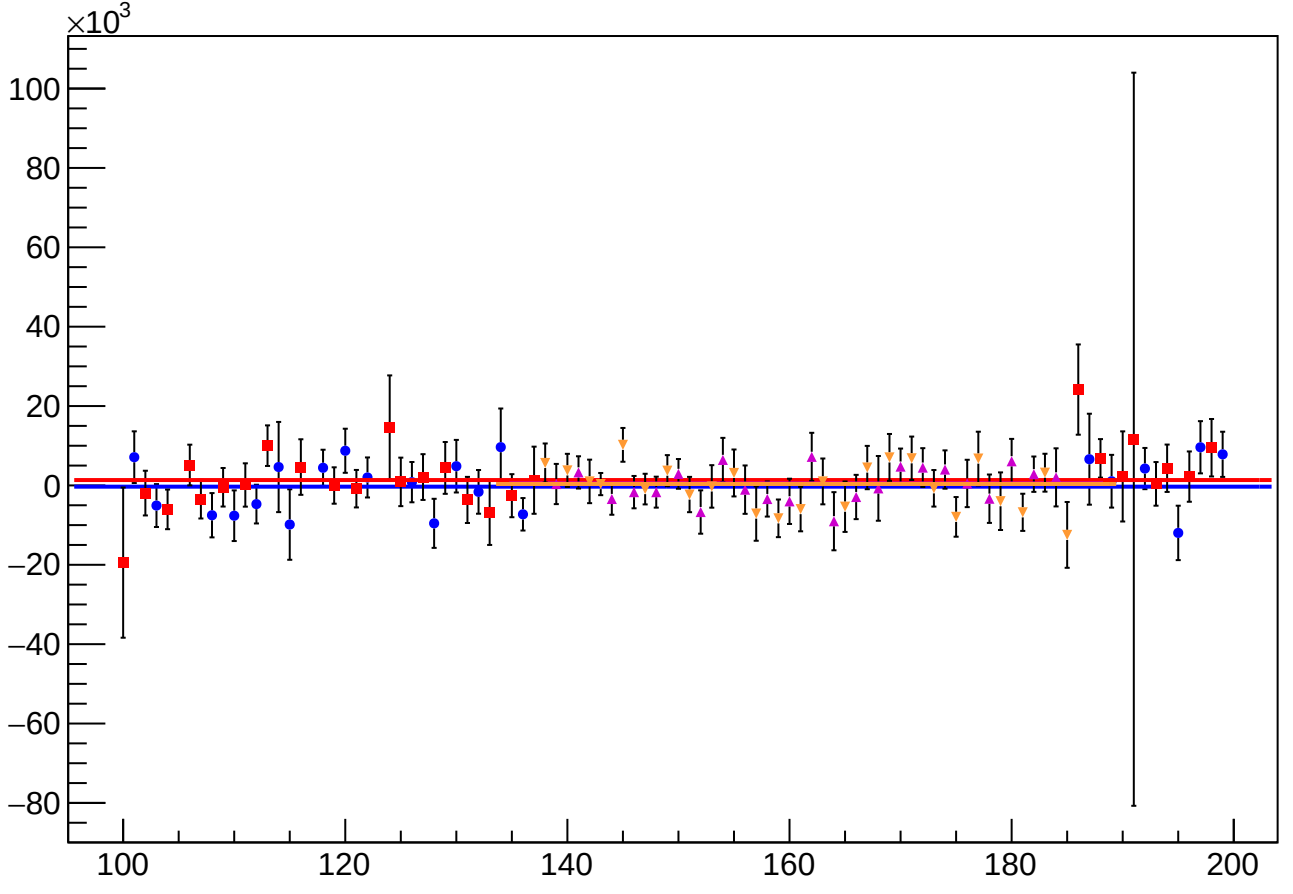
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4049.905+/-0.533 χ^2/NDF: 3410733.9/46

All: 4033.278+/-0.375 χ^2/NDF: 7484445.8/96

- sign 4016.927+/-0.528 χ^2/NDF: 4071780.4/49

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1352.994+/-1175.781 χ^2/NDF: 19.3/26

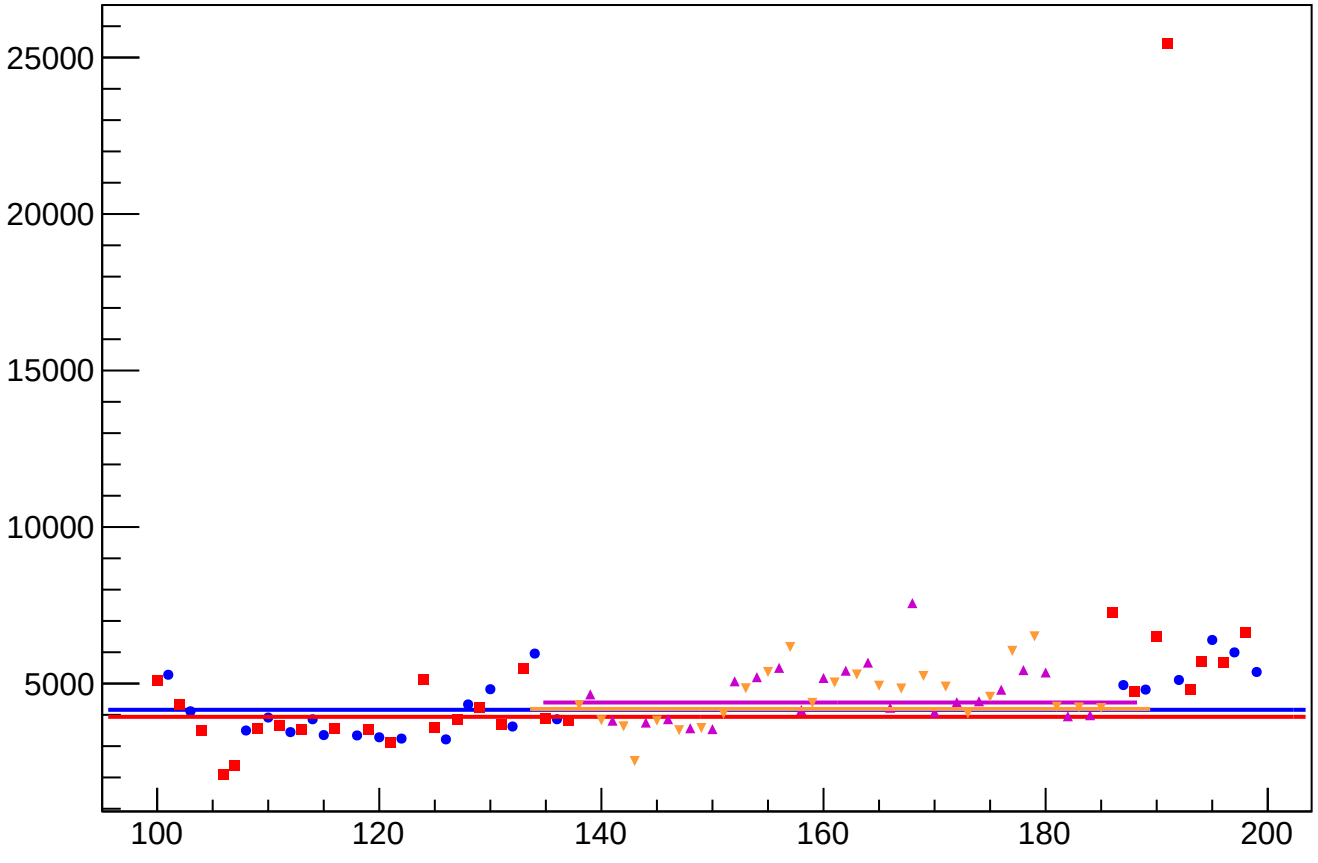
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 107.640+/-773.358 χ^2/NDF: 54.3/46

All: 487.532+/-549.517 χ^2/NDF: 88.2/96

- sign 874.936+/-780.966 χ^2/NDF: 33.4/49

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4161.084+/-0.891 χ^2/NDF: 1073637.7/21

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

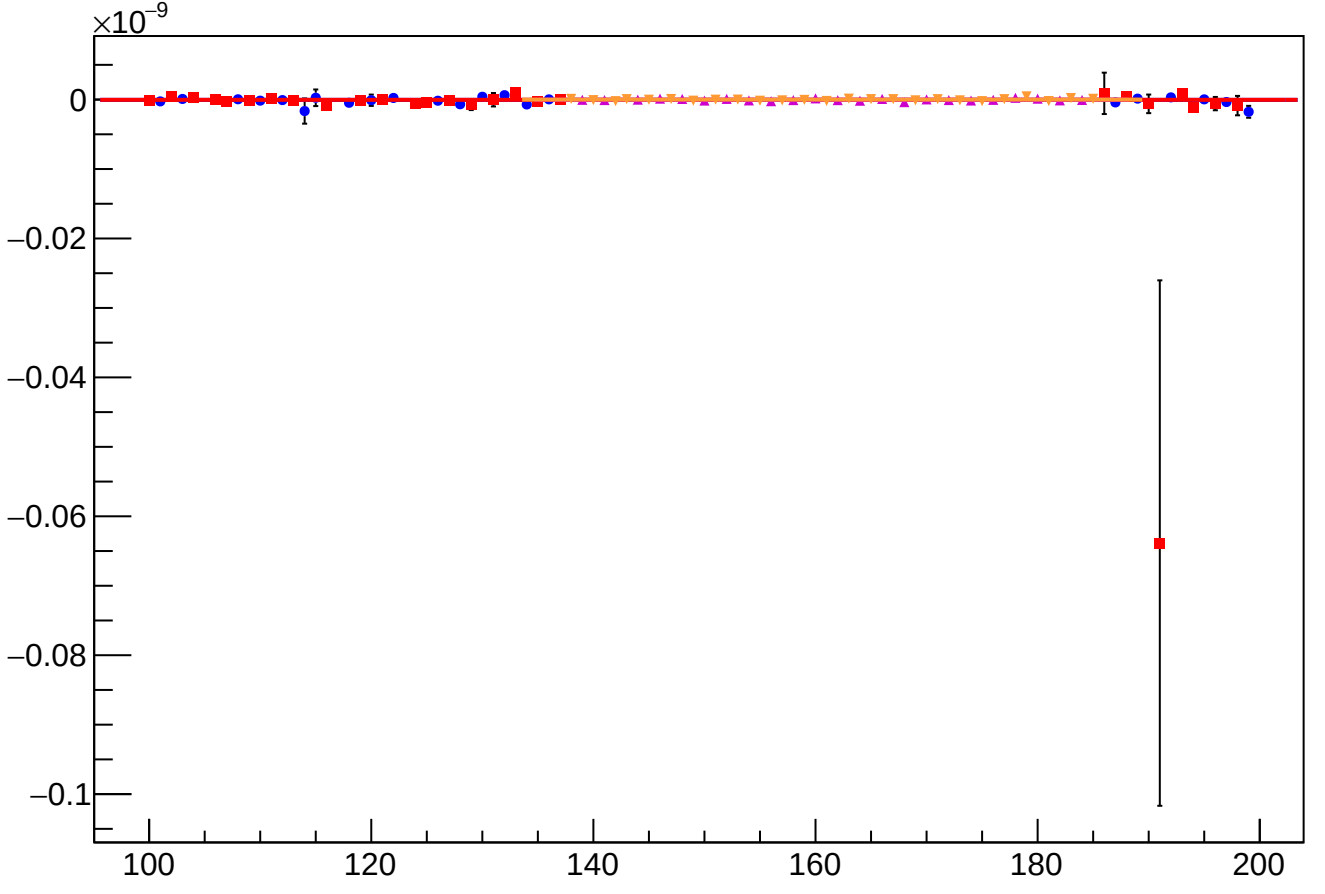
Right Out: 3936.247+/-0.823 χ^2/NDF: 1915185.5/26

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4177.756+/-0.547 χ^2/NDF: 2870546.2/46

All: 4183.757+/-0.388 χ^2/NDF: 6046033.8/96

- sign 4189.820+/-0.550 χ^2/NDF: 3175245.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

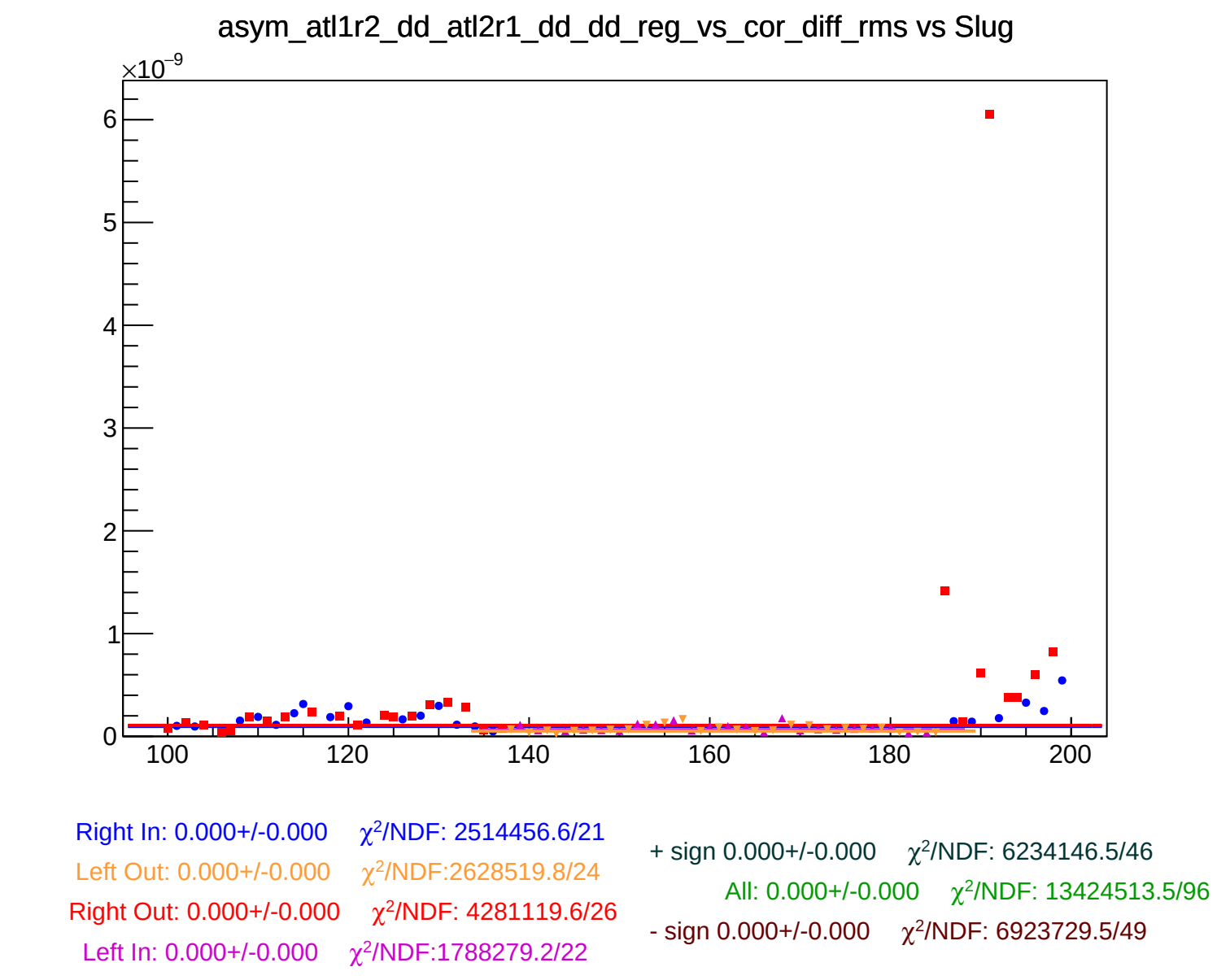
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/26

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

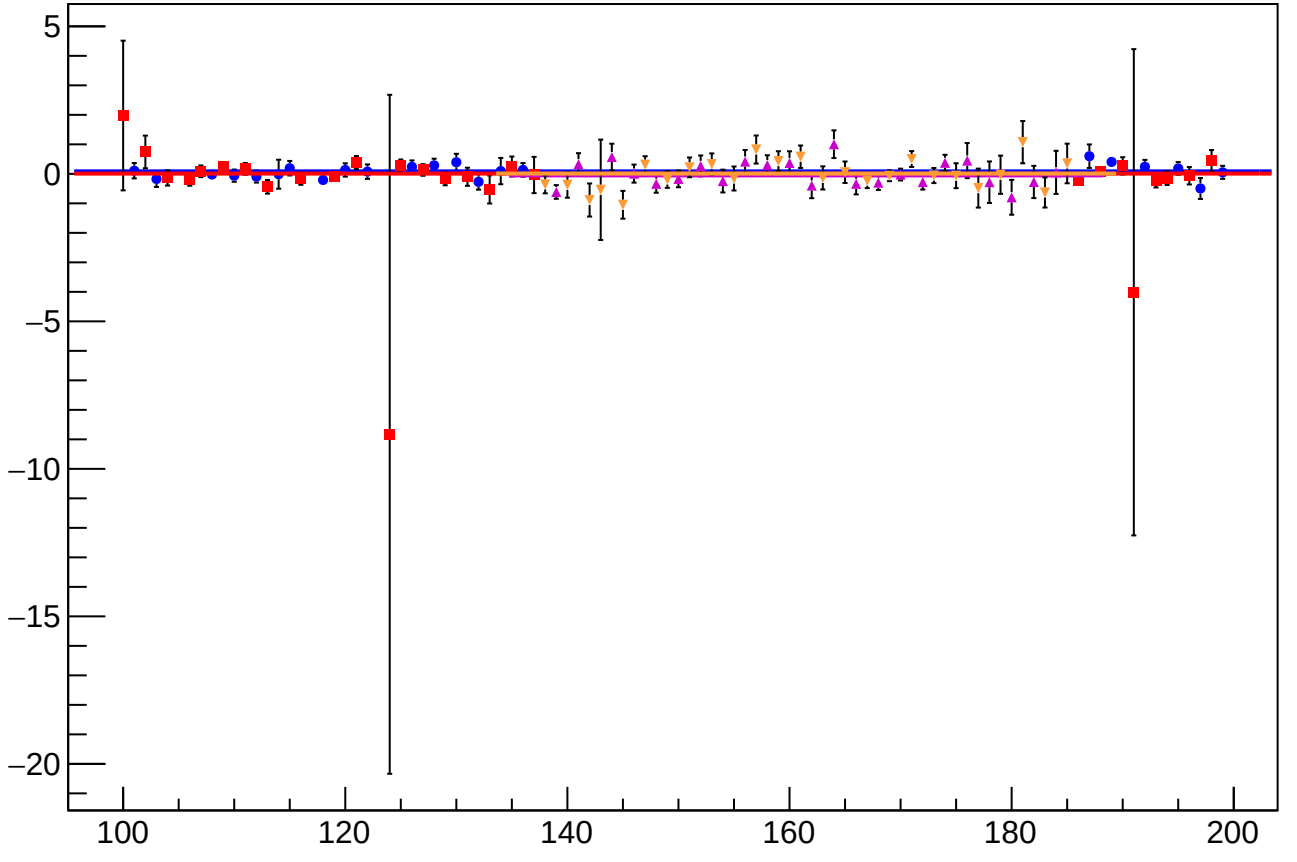
+ sign -0.000+/-0.000 χ^2/NDF: 53.3/46

All: -0.000+/-0.000 χ^2/NDF: 97.1/96

- sign -0.000+/-0.000 χ^2/NDF: 43.5/49


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2514456.6/21
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: 6234146.5/46
All: 0.000+/-0.000 χ²/NDF: 13424513.5/96
- sign 0.000+/-0.000 χ²/NDF: 6923729.5/49

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

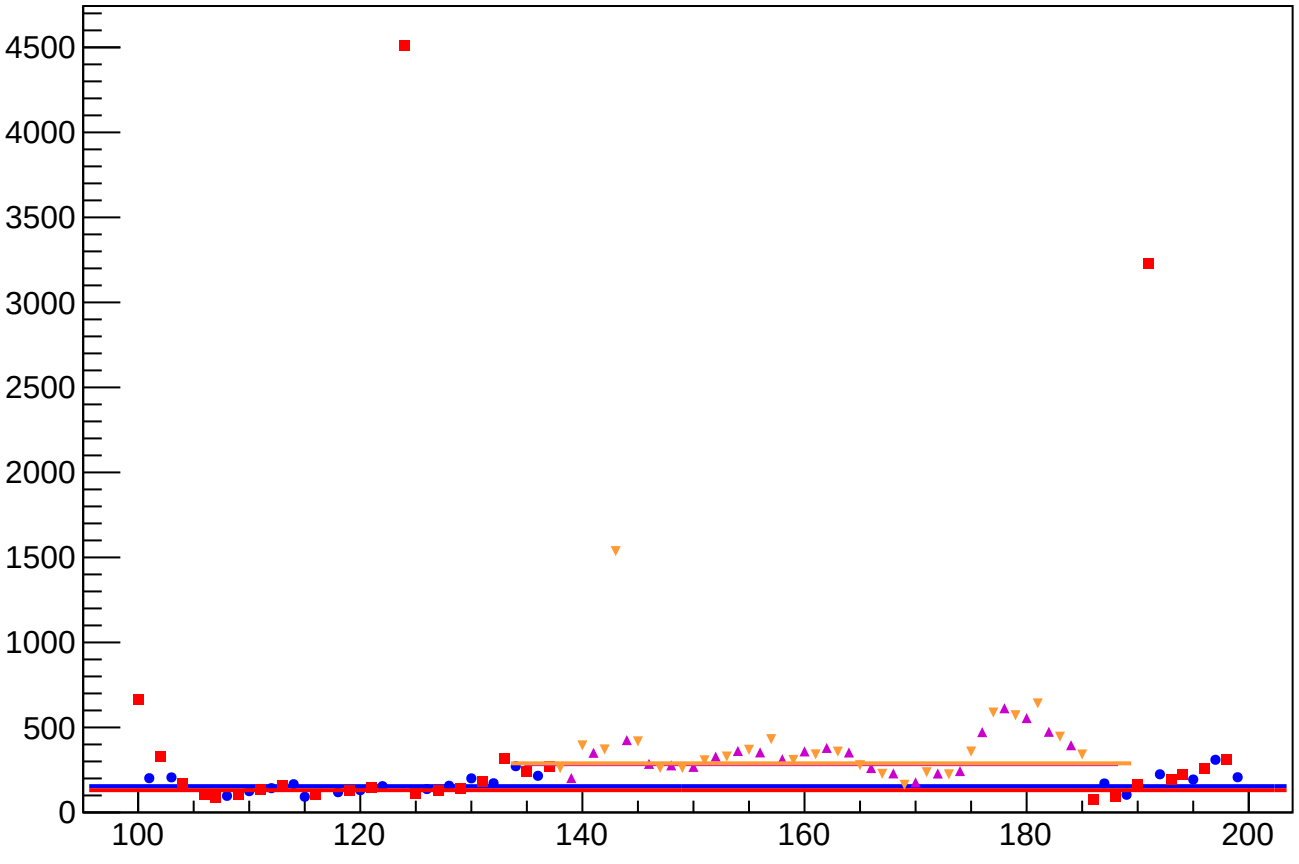
Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.022+/-0.027 χ^2/NDF: 108.4/96

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

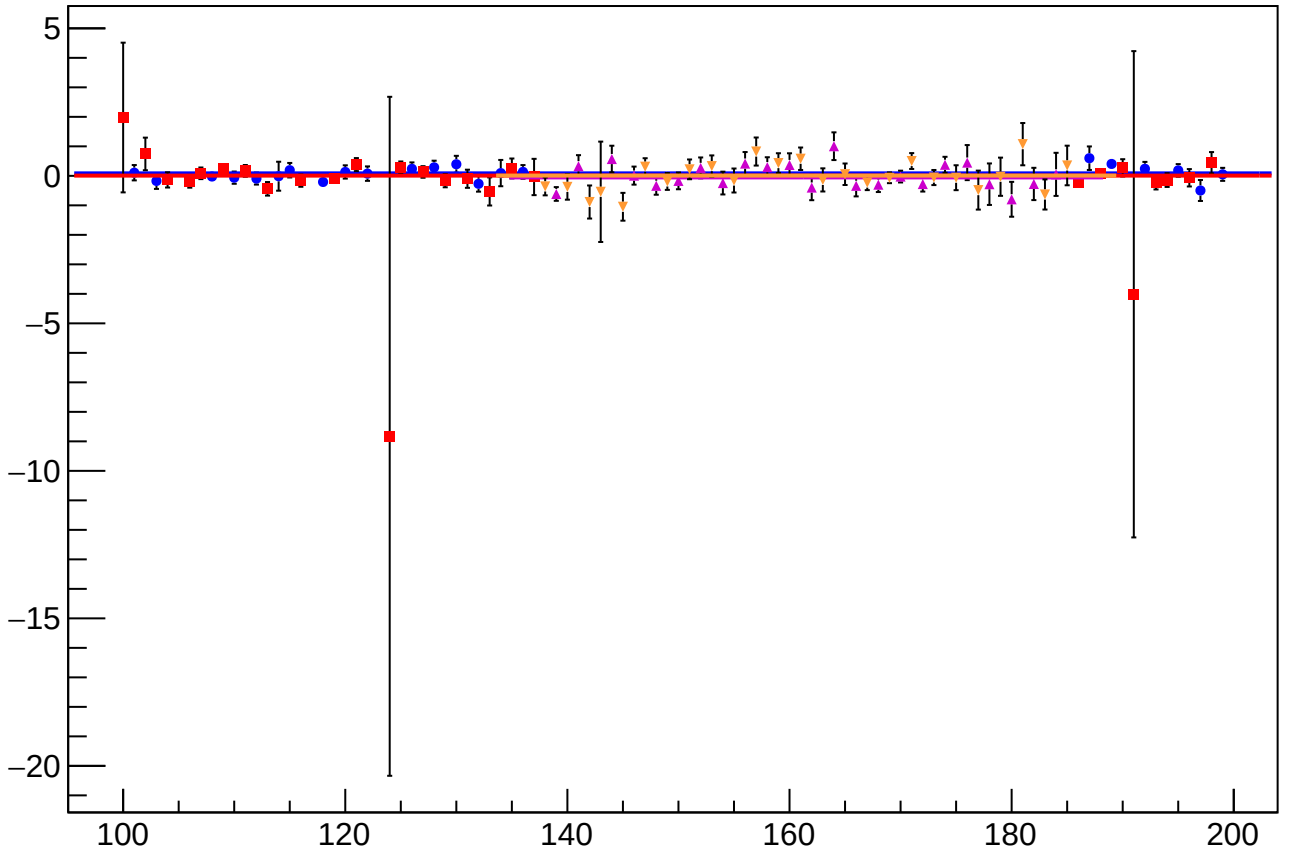
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

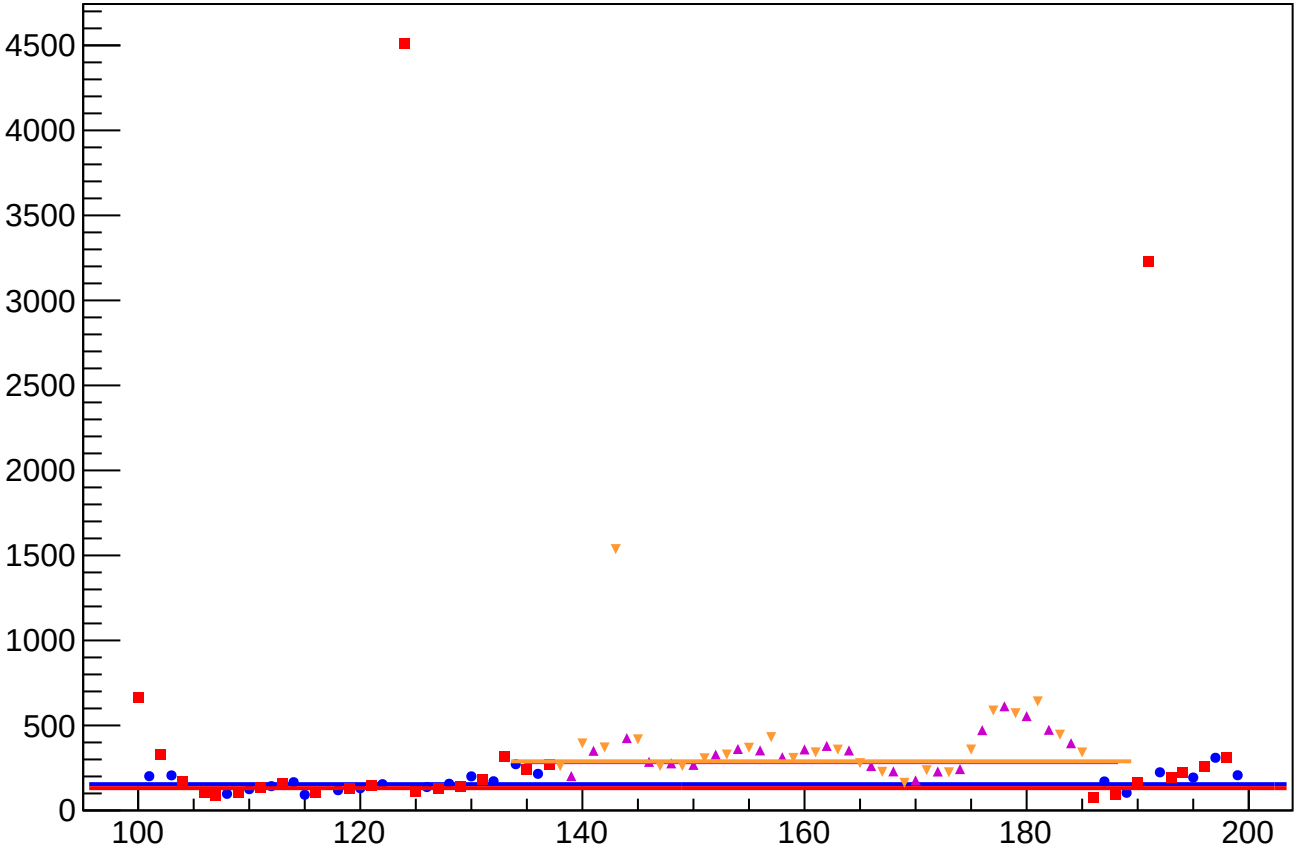
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.022+/-0.027 χ^2/NDF: 108.4/96

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

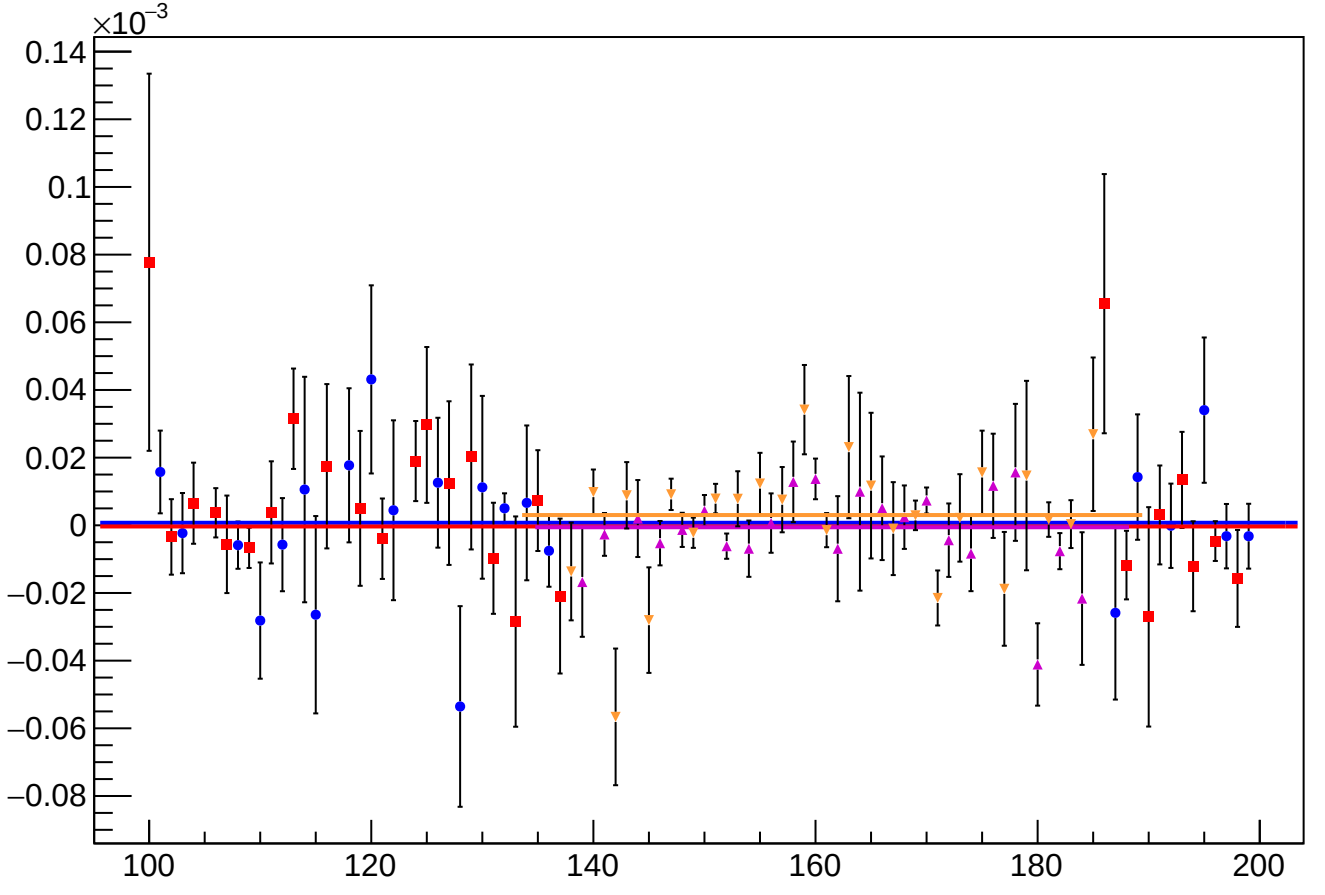
Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.778+/-0.028 χ^2/NDF: 11505671.2/46

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96

- sign 171.273+/-0.026 χ^2/NDF: 14002252.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

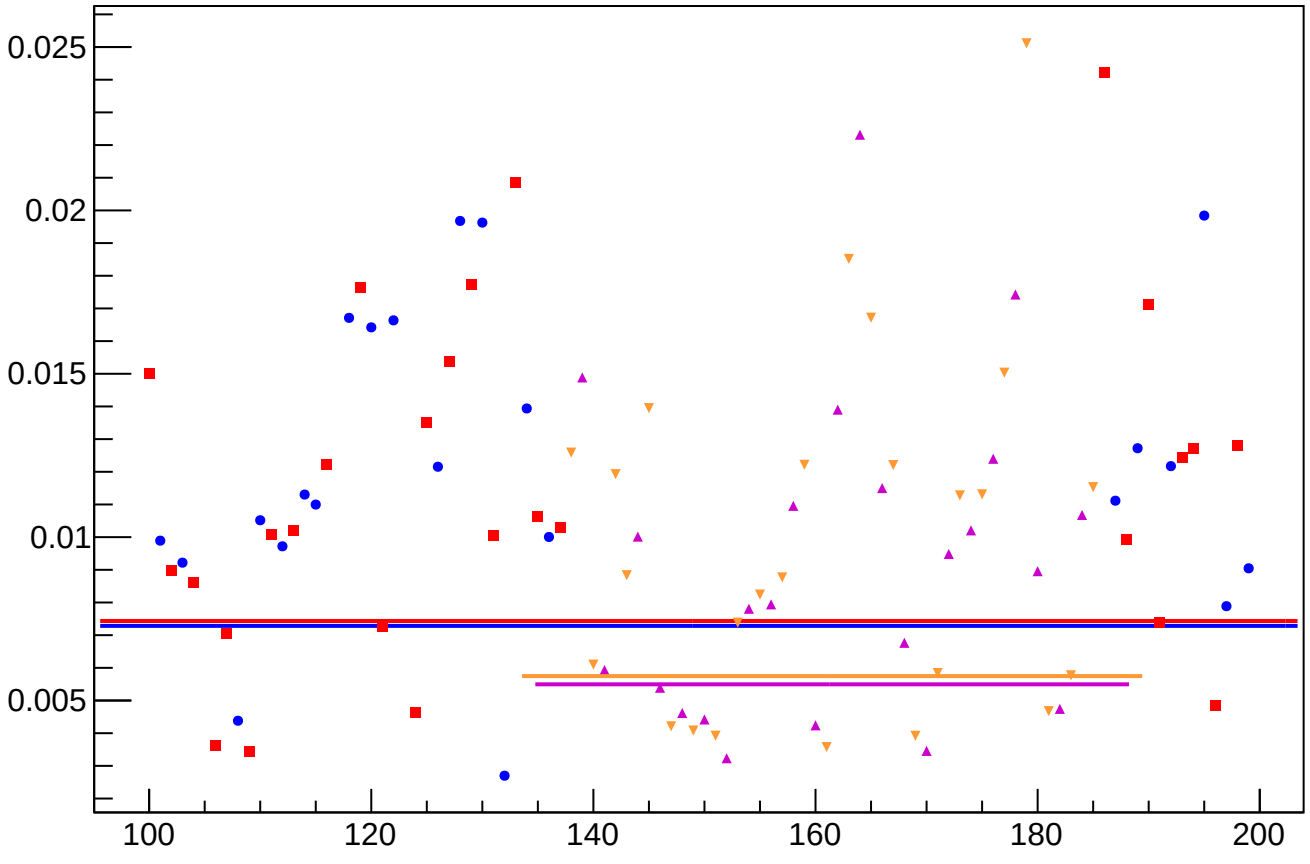
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/46

All: 0.000+/-0.000 χ^2/NDF: 122.9/96

- sign -0.000+/-0.000 χ^2/NDF: 58.3/49



Right In: 0.007+/-0.000 χ^2/NDF: 6117465.6/21

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

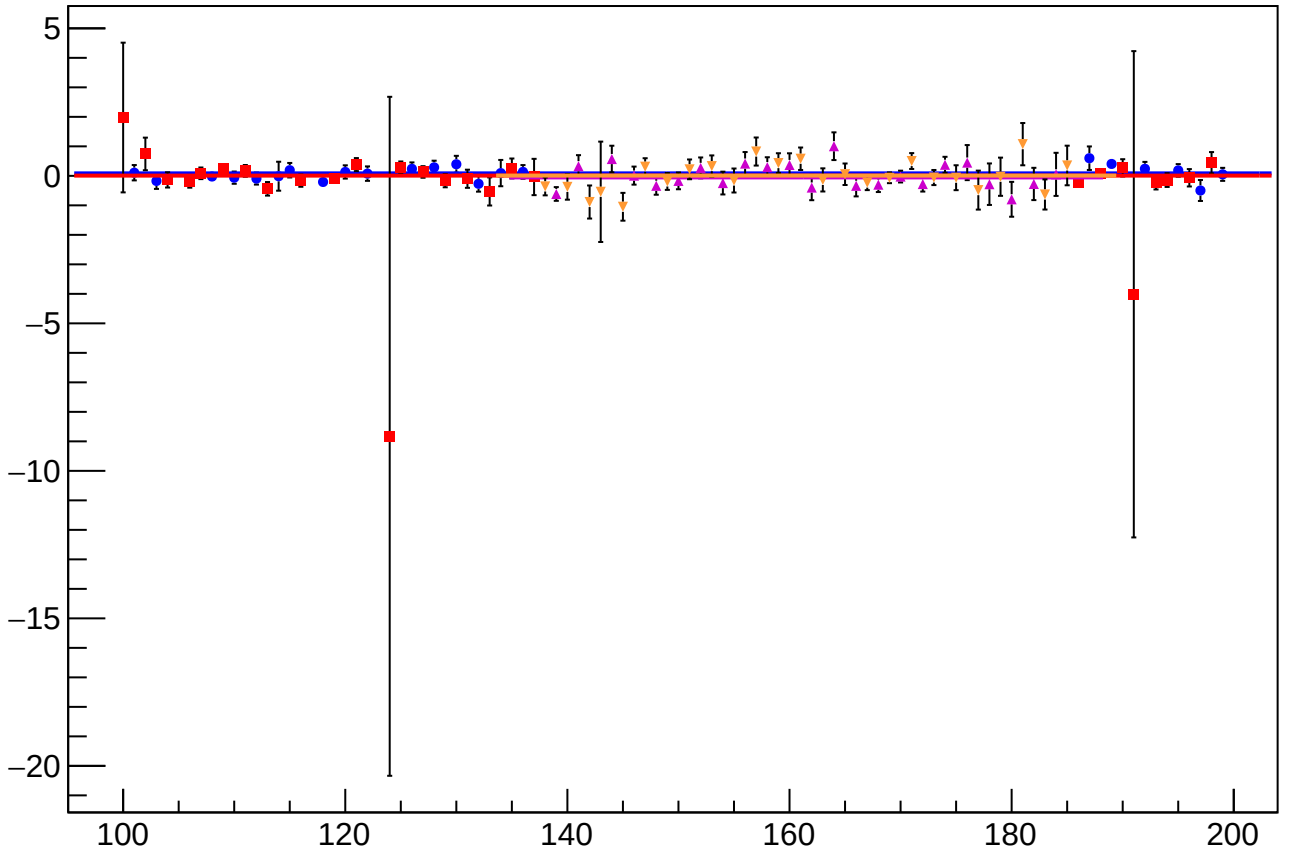
Right Out: 0.007+/-0.000 χ^2/NDF: 5374345.7/26

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14776357.8/46

All: 0.006+/-0.000 χ^2/NDF: 28015444.1/96

\- sign 0.006+/-0.000 χ^2/NDF: 13232496.1/49



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.008+/-0.042 χ^2/NDF: 29.0/26

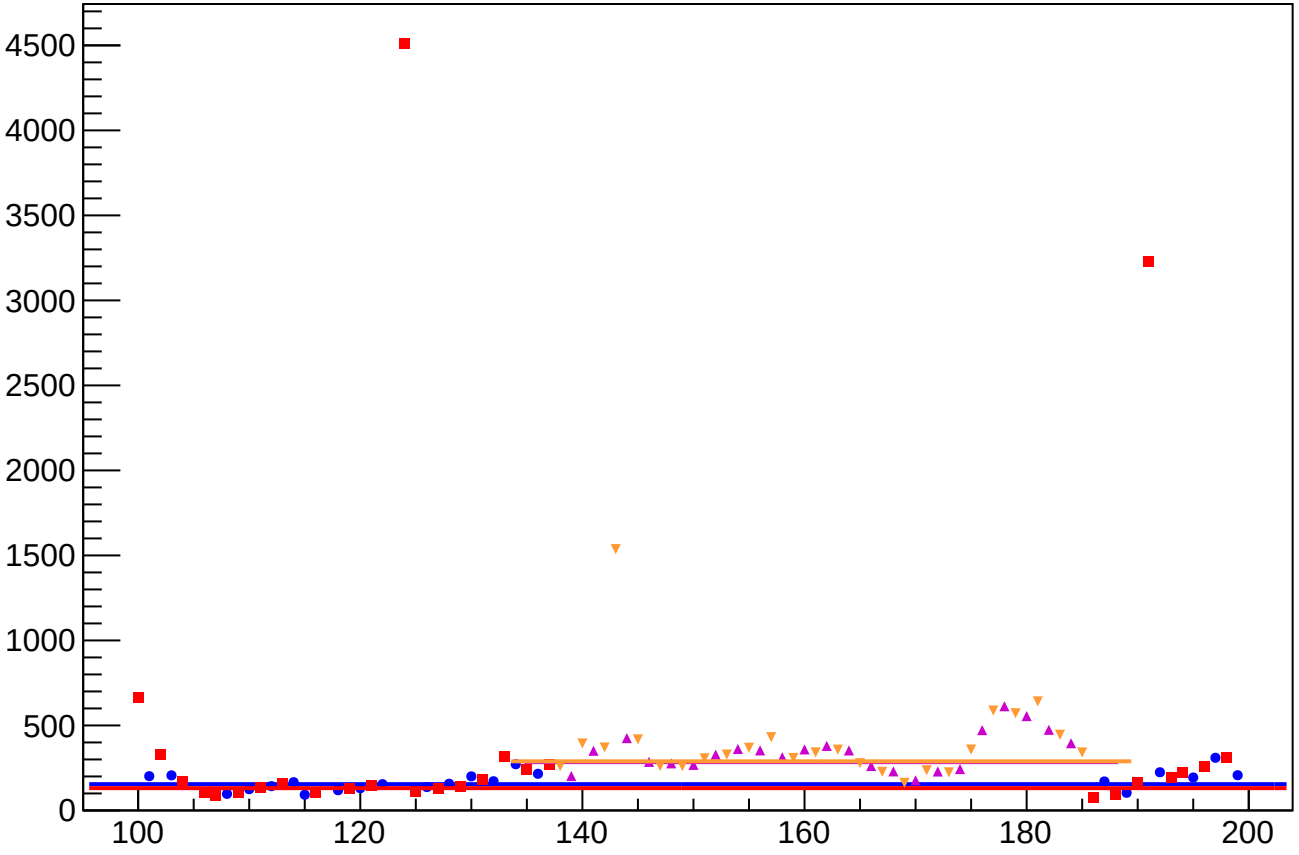
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.040 χ^2/NDF: 49.5/46

All: 0.022+/-0.027 χ^2/NDF: 108.4/96

- sign -0.008+/-0.036 χ^2/NDF: 57.3/49

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

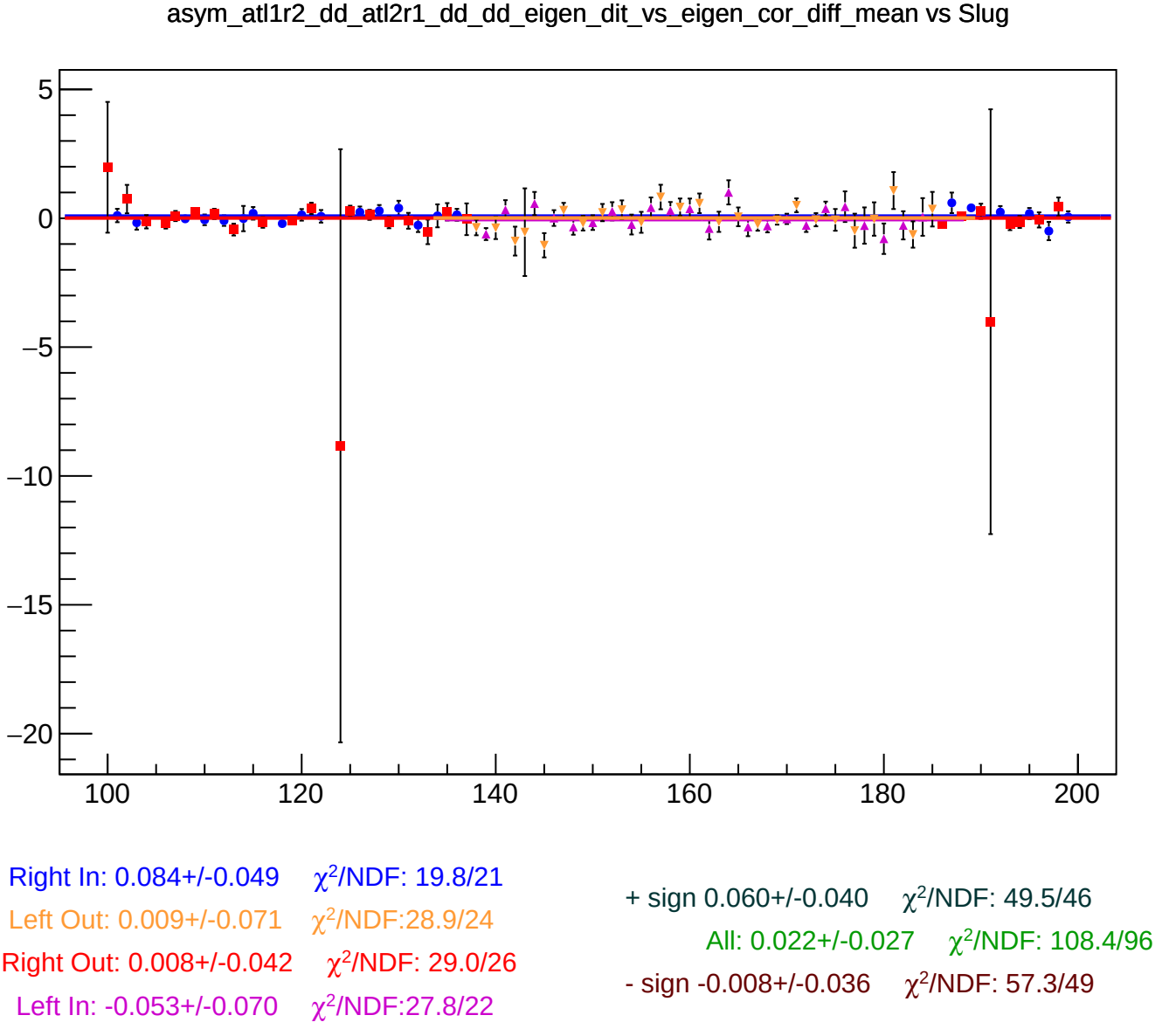
Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

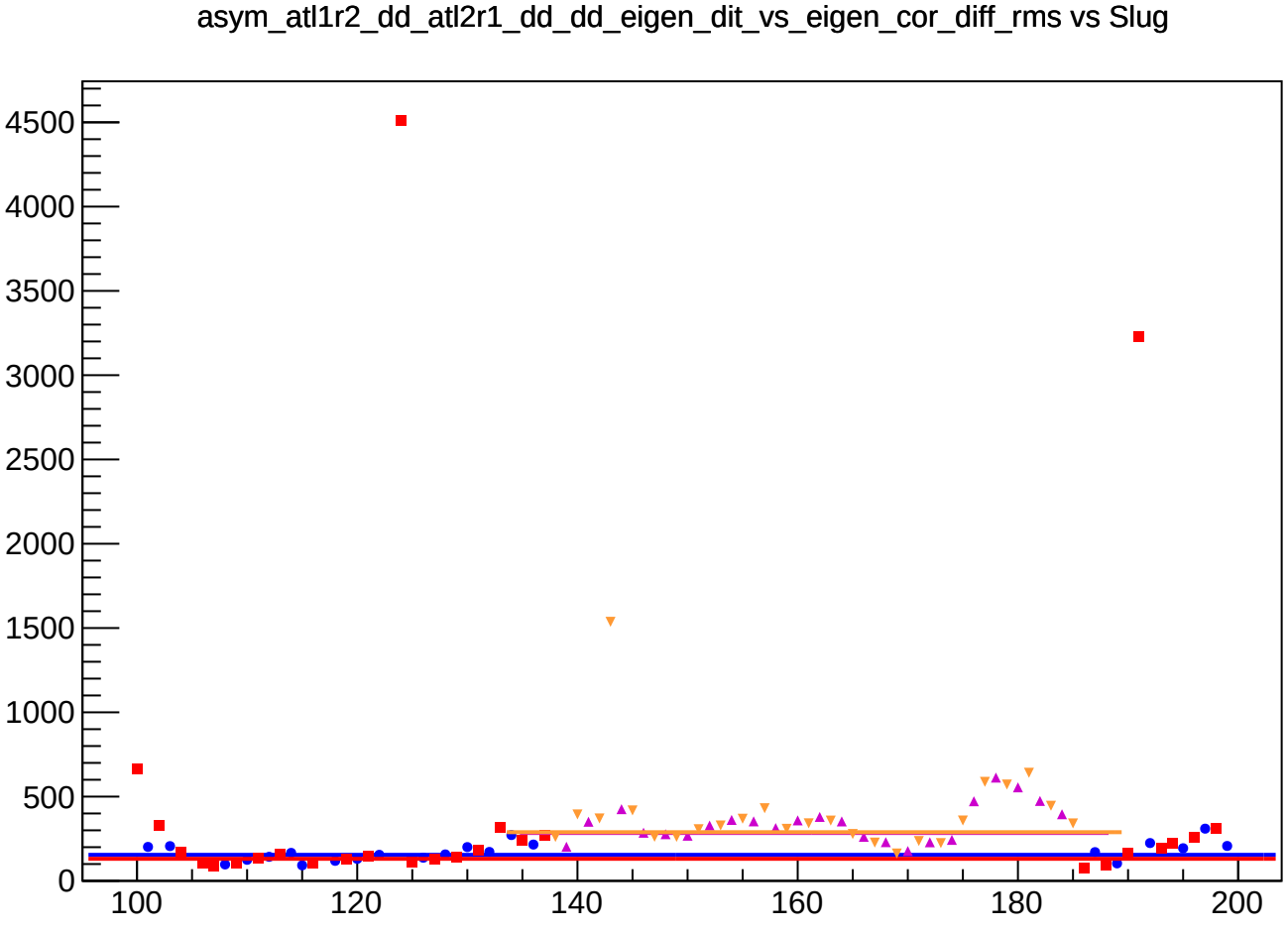
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.777+/-0.028 χ^2/NDF: 11505888.8/46

All: 183.074+/-0.019 χ^2/NDF: 25988701.3/96

- 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
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: 0.084+/-0.049 χ²/NDF: 19.8/21
Left Out: 0.009+/-0.071 χ²/NDF:28.9/24
Right Out: 0.008+/-0.042 χ²/NDF: 29.0/26
Left In: -0.053+/-0.070 χ²/NDF:27.8/22
+ sign 0.060+/-0.040 χ²/NDF: 49.5/46
All: 0.022+/-0.027 χ²/NDF: 108.4/96
- sign -0.008+/-0.036 χ²/NDF: 57.3/49



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

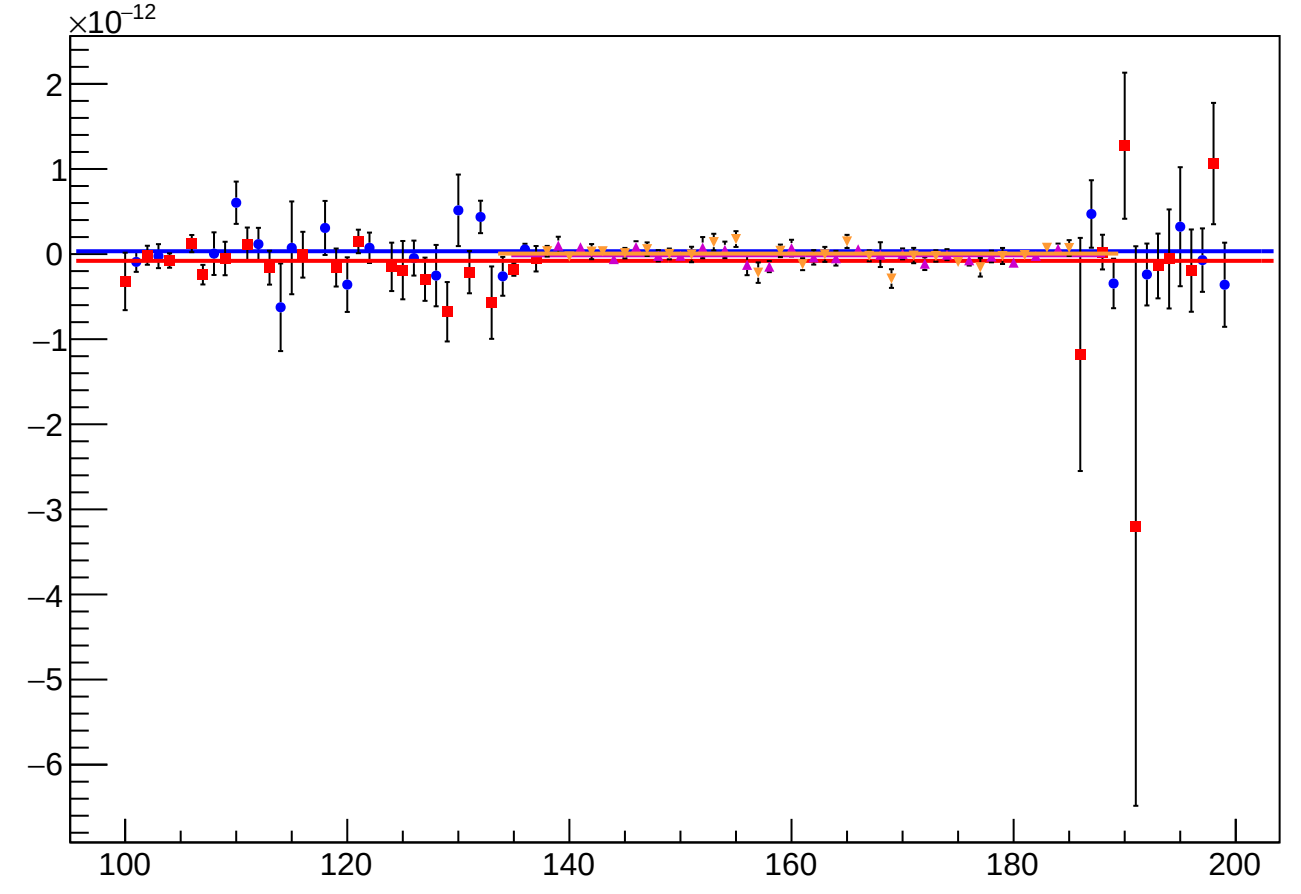
Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.777+/-0.028 χ^2/NDF: 11505888.8/46

All: 183.074+/-0.019 χ^2/NDF: 25988701.3/96

- sign 171.275+/-0.026 χ^2/NDF: 14002062.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

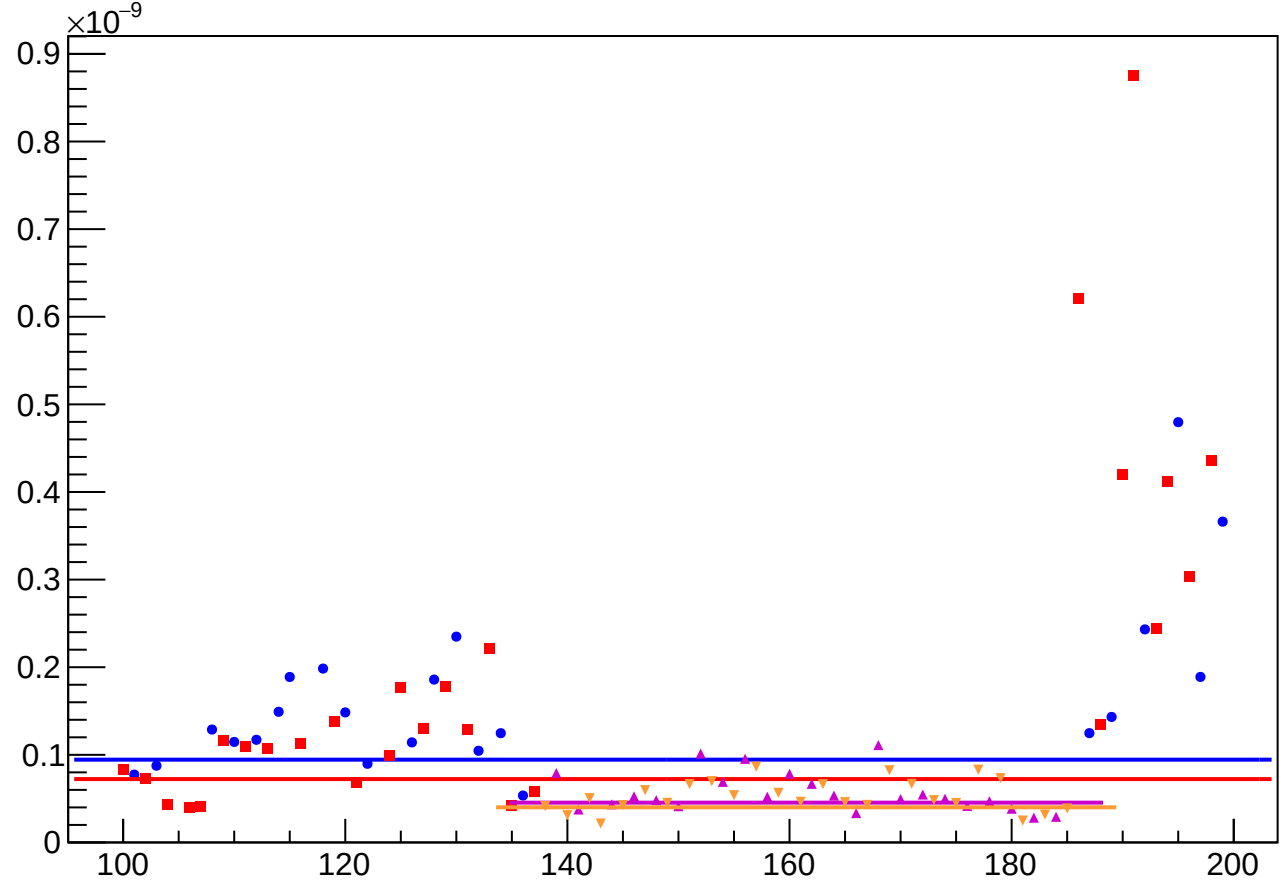
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/46

All: -0.000+/-0.000 χ^2/NDF: 113.0/96

- sign -0.000+/-0.000 χ^2/NDF: 51.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 3379504.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

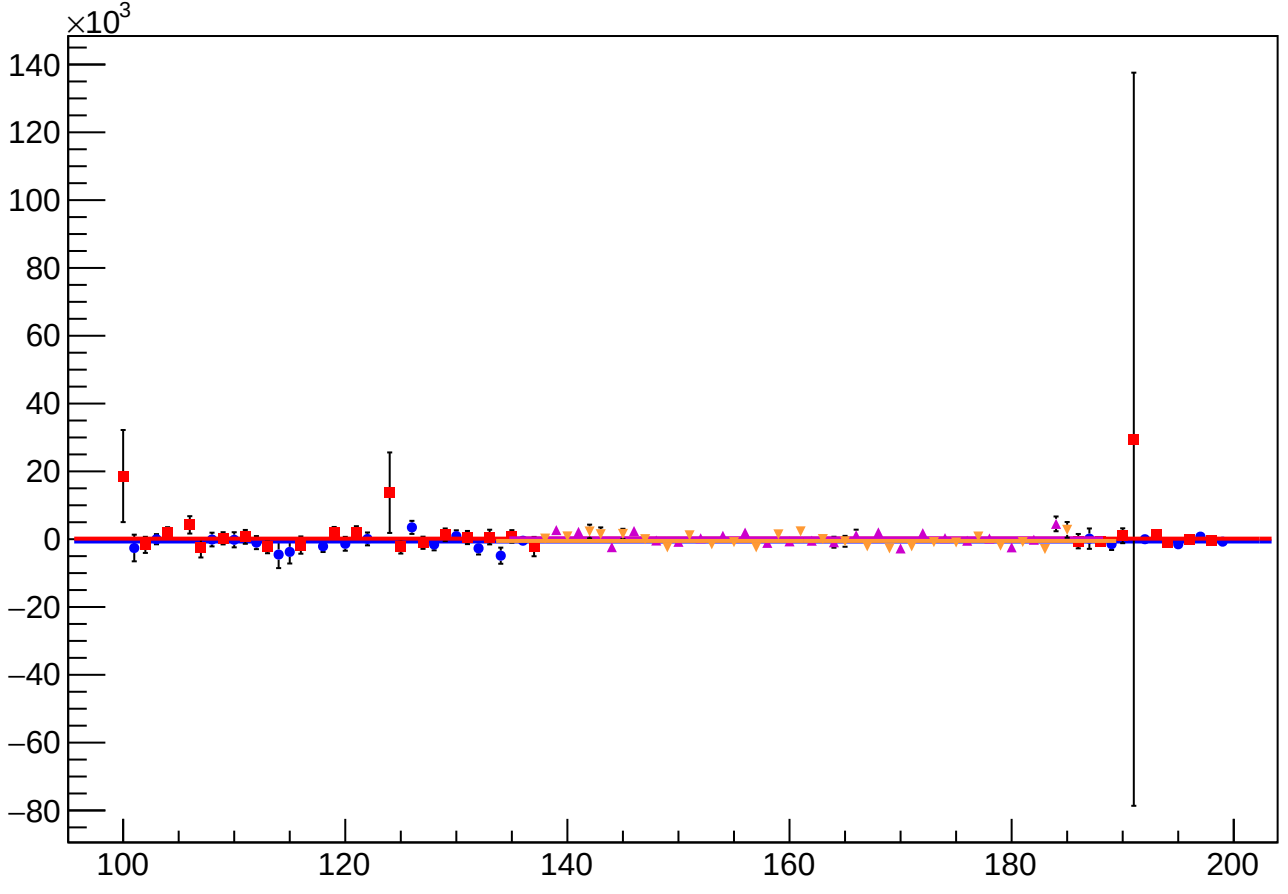
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

\+ sign 0.000+/-0.000 χ^2/NDF: 10178228.5/46

All: 0.000+/-0.000 χ^2/NDF: 19484950.3/96

\- sign 0.000+/-0.000 χ^2/NDF: 9155385.7/49

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -681.214+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 161.282+/-371.274 χ^2/NDF: 18.2/26

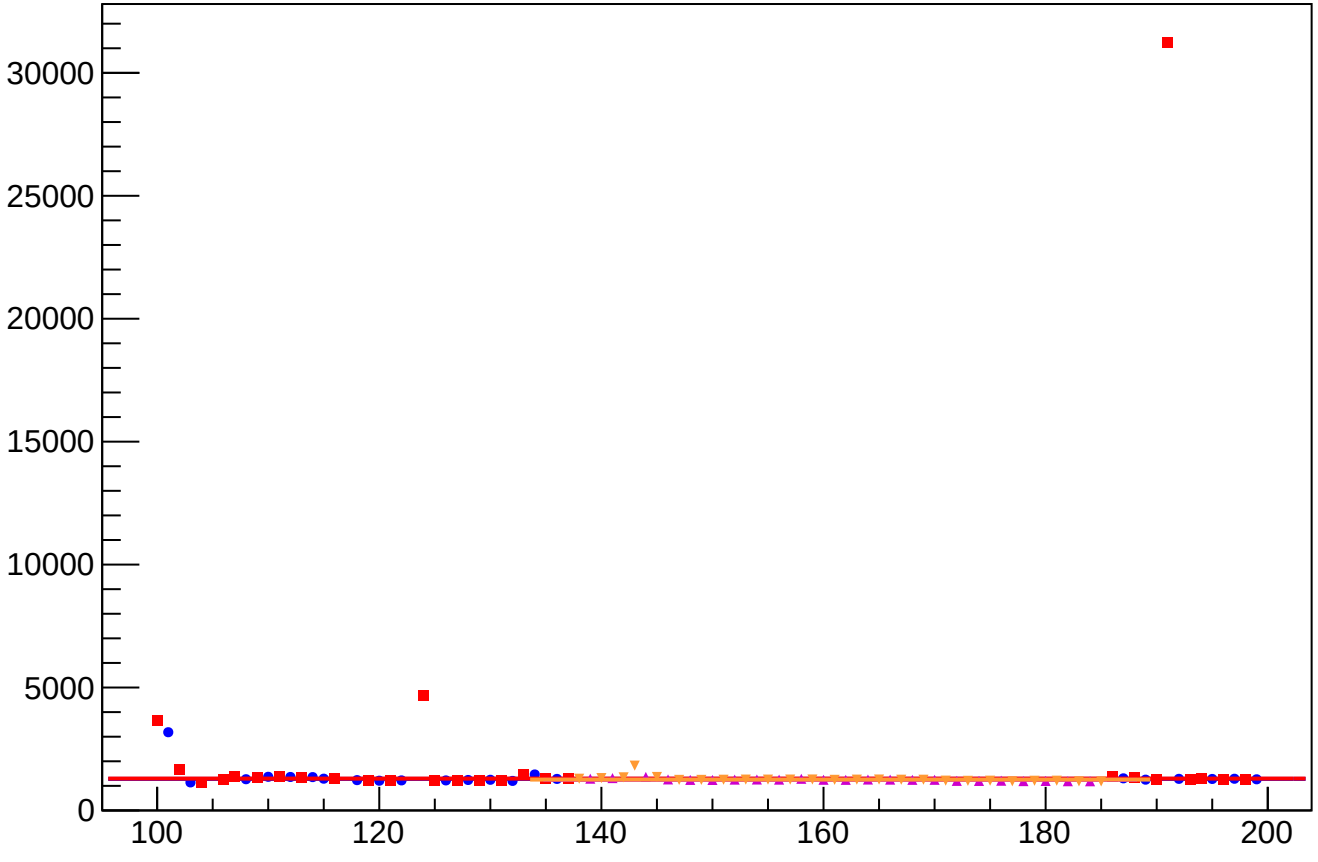
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -574.298+/-228.980 χ^2/NDF: 46.5/46

All: -181.536+/-161.961 χ^2/NDF: 102.6/96

- sign 211.686+/-229.114 χ^2/NDF: 50.2/49

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519291.2/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

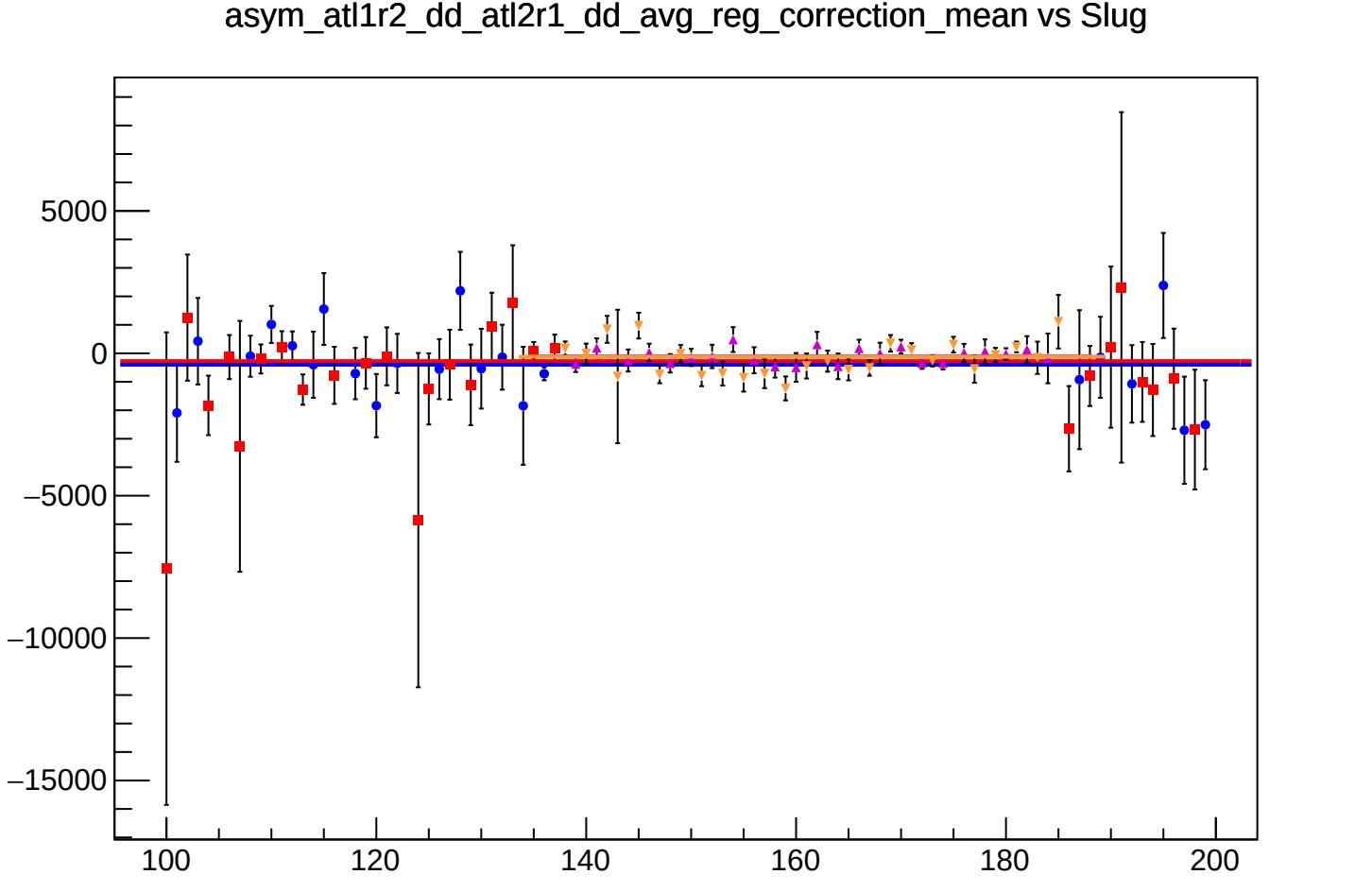
Right Out: 1296.181+/-0.263 χ^2/NDF: 490057.0/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.392+/-0.162 χ^2/NDF: 729068.0/46

All: 1265.360+/-0.115 χ^2/NDF: 1281286.3/96

- sign 1265.329+/-0.162 χ^2/NDF: 552218.2/49



Right In: -400.998+/-163.227 χ^2/NDF: 24.1/21

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -272.421+/-162.841 χ^2/NDF: 20.0/26

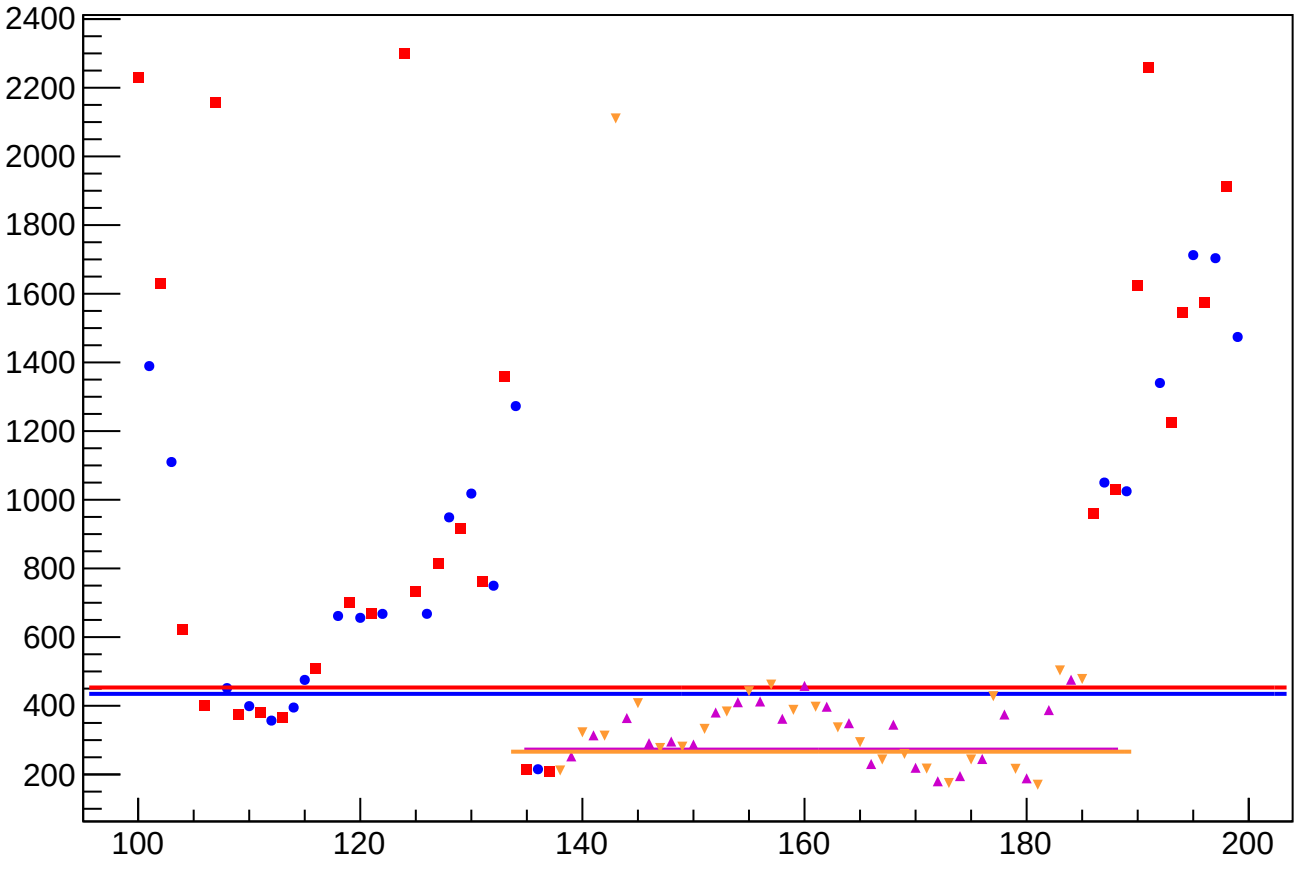
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -155.957+/-60.435 χ^2/NDF: 75.1/46

All: -143.907+/-43.264 χ^2/NDF: 109.8/96

- sign -131.242+/-61.961 χ^2/NDF: 34.6/49

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 434.701+/-0.115 χ^2/NDF: 8536607.4/21

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

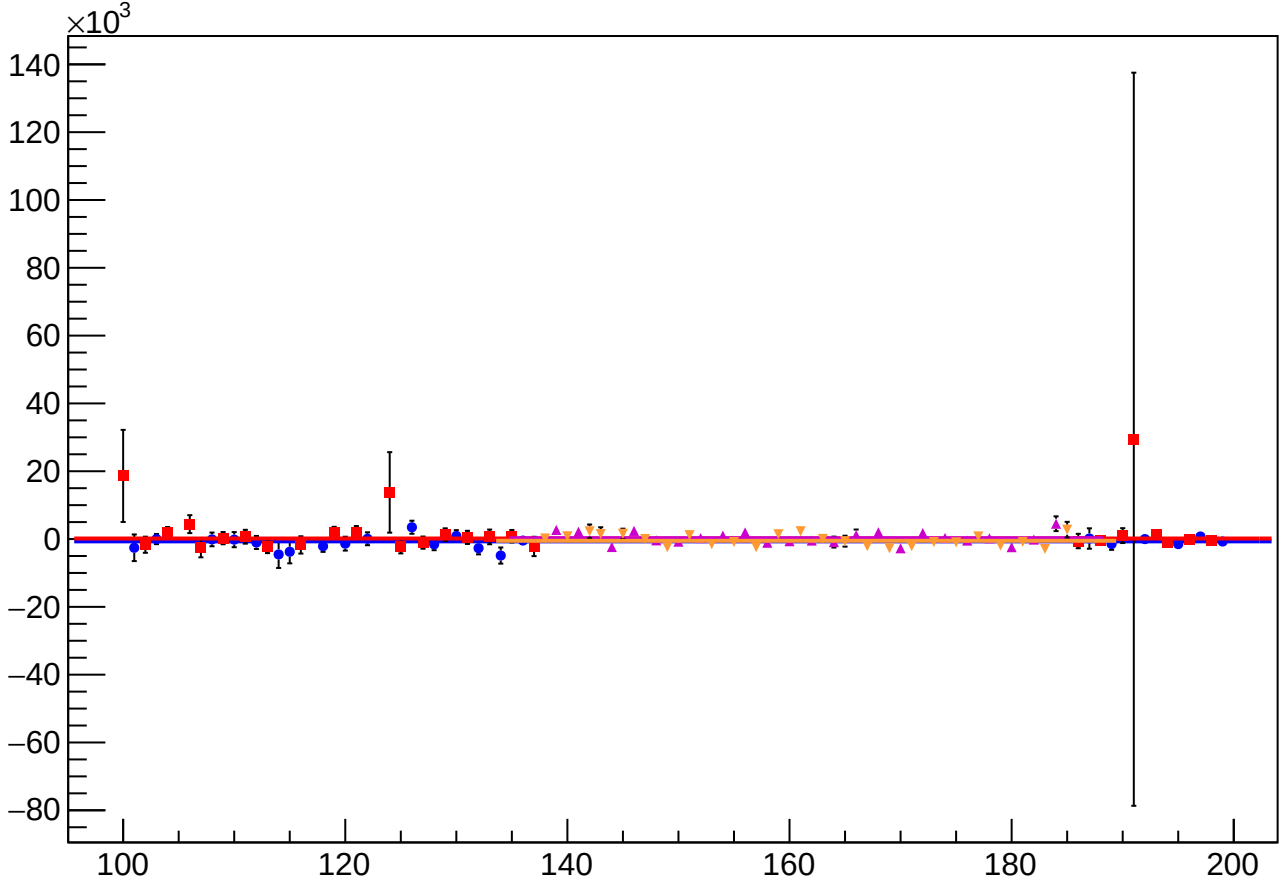
Right Out: 453.268+/-0.115 χ^2/NDF: 9033080.8/26

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 289.403+/-0.043 χ^2/NDF: 15003249.4/46

All: 293.867+/-0.031 χ^2/NDF: 29057383.5/96

- sign 298.559+/-0.044 χ^2/NDF: 14031756.9/49



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 159.506+/-371.507 χ^2/NDF: 18.2/26

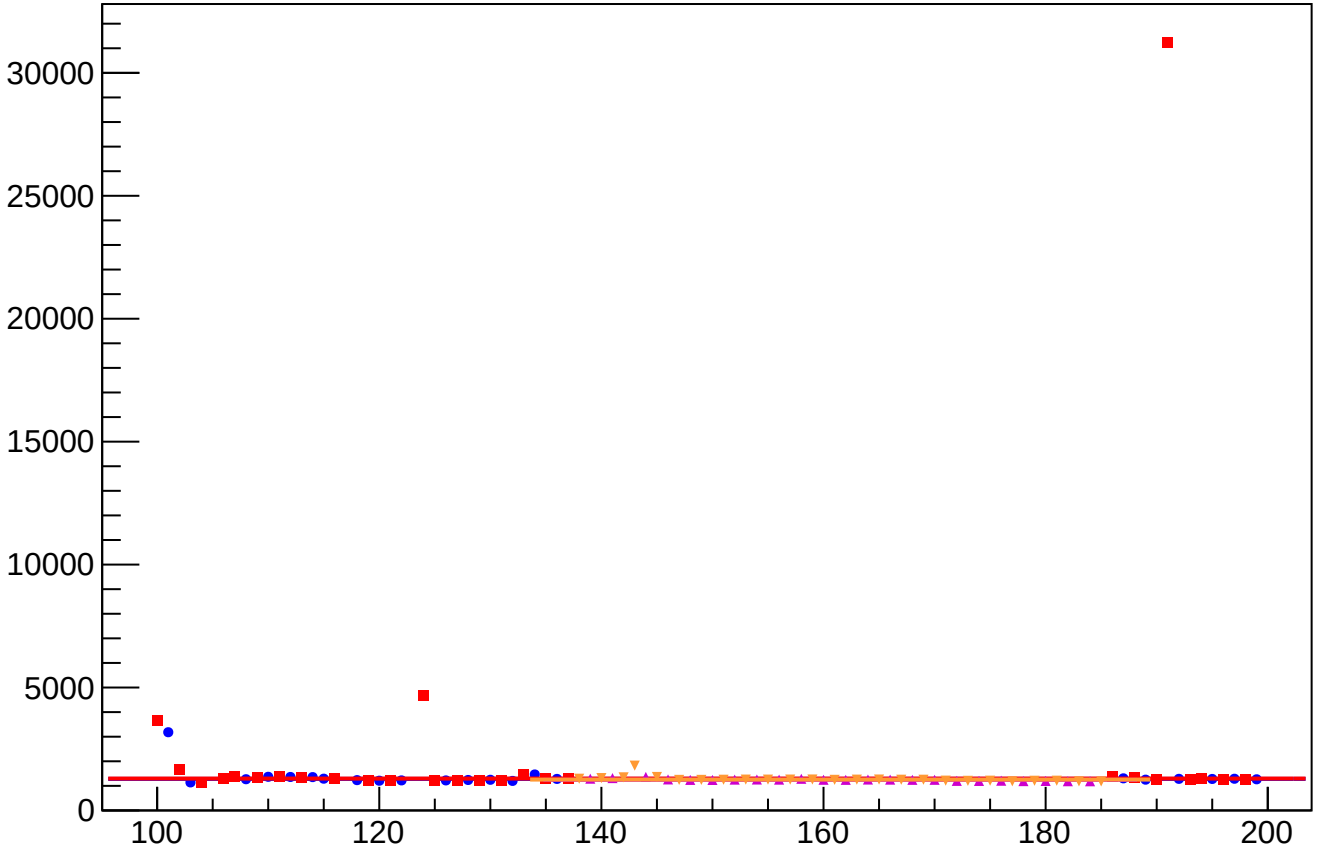
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -574.188+/-228.980 χ^2/NDF: 46.5/46

All: -181.908+/-161.980 χ^2/NDF: 102.6/96

- sign 211.020+/-229.169 χ^2/NDF: 50.3/49

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

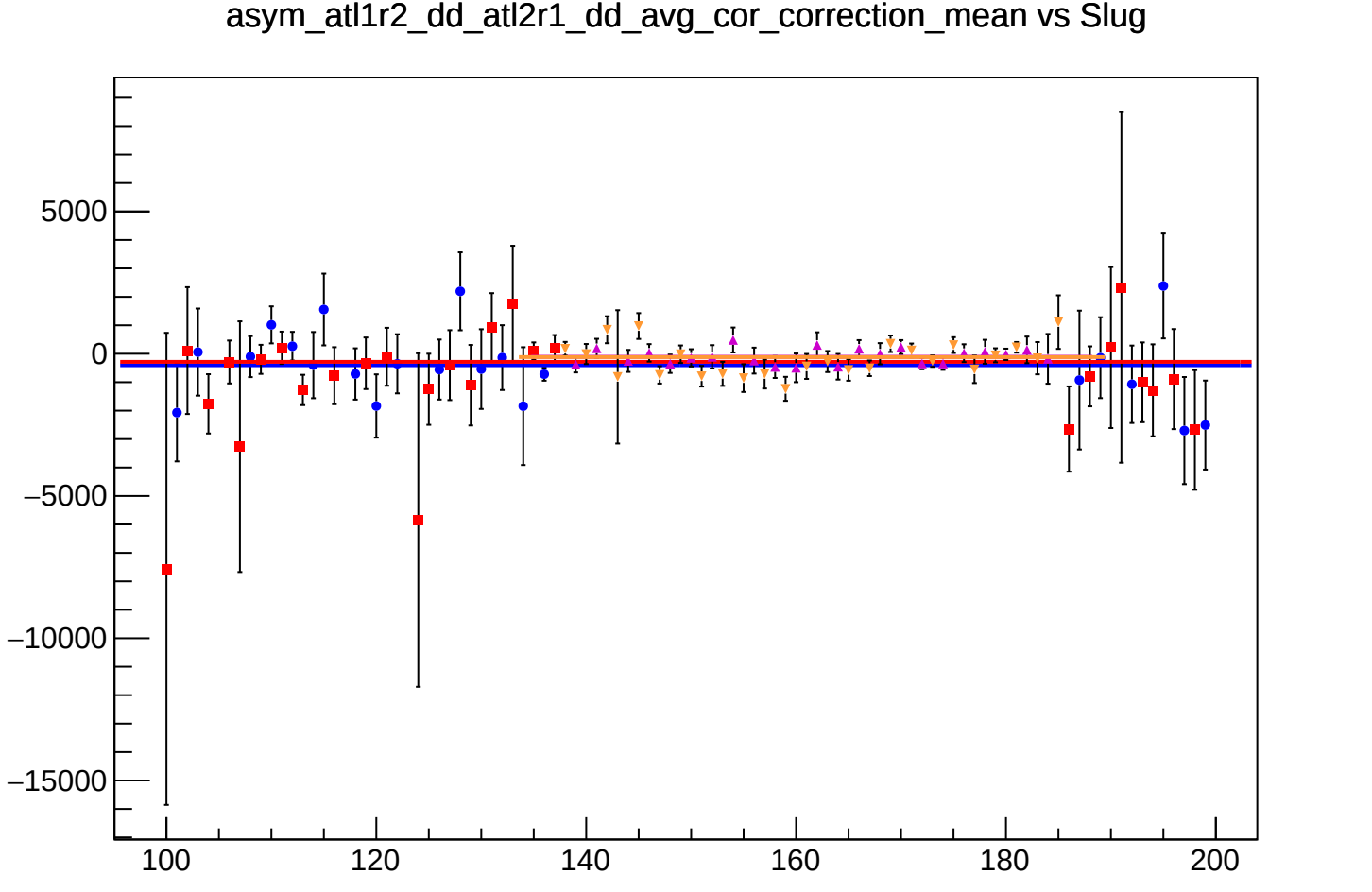
Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.392+/-0.162 χ^2/NDF: 729069.4/46

All: 1265.514+/-0.115 χ^2/NDF: 1281708.8/96

- sign 1265.637+/-0.162 χ^2/NDF: 552638.3/49



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

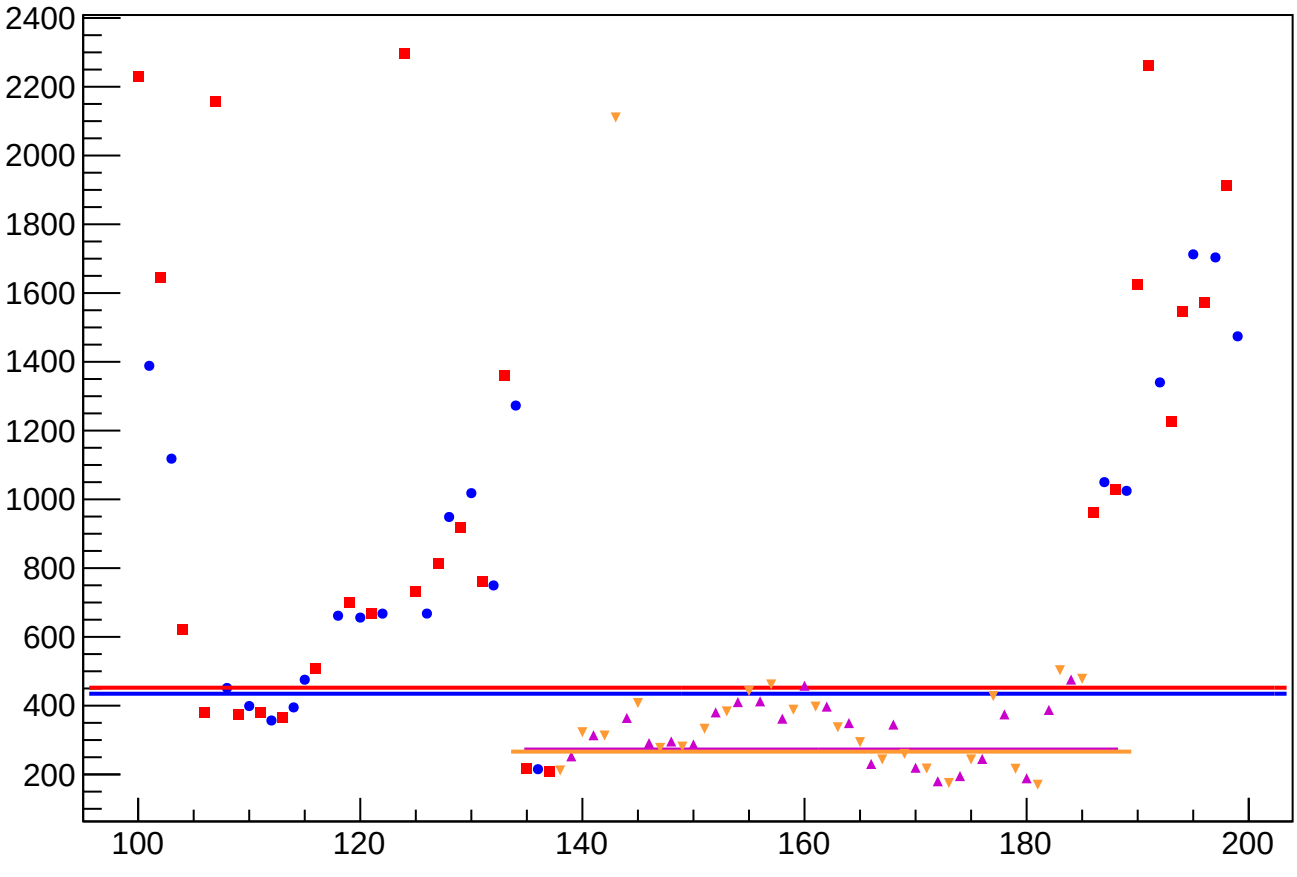
Right Out: -284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -156.503+/-60.437 χ^2/NDF: 75.0/46

All: -145.105+/-43.261 χ^2/NDF: 109.1/96

- sign -133.128+/-61.953 χ^2/NDF: 34.0/49



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

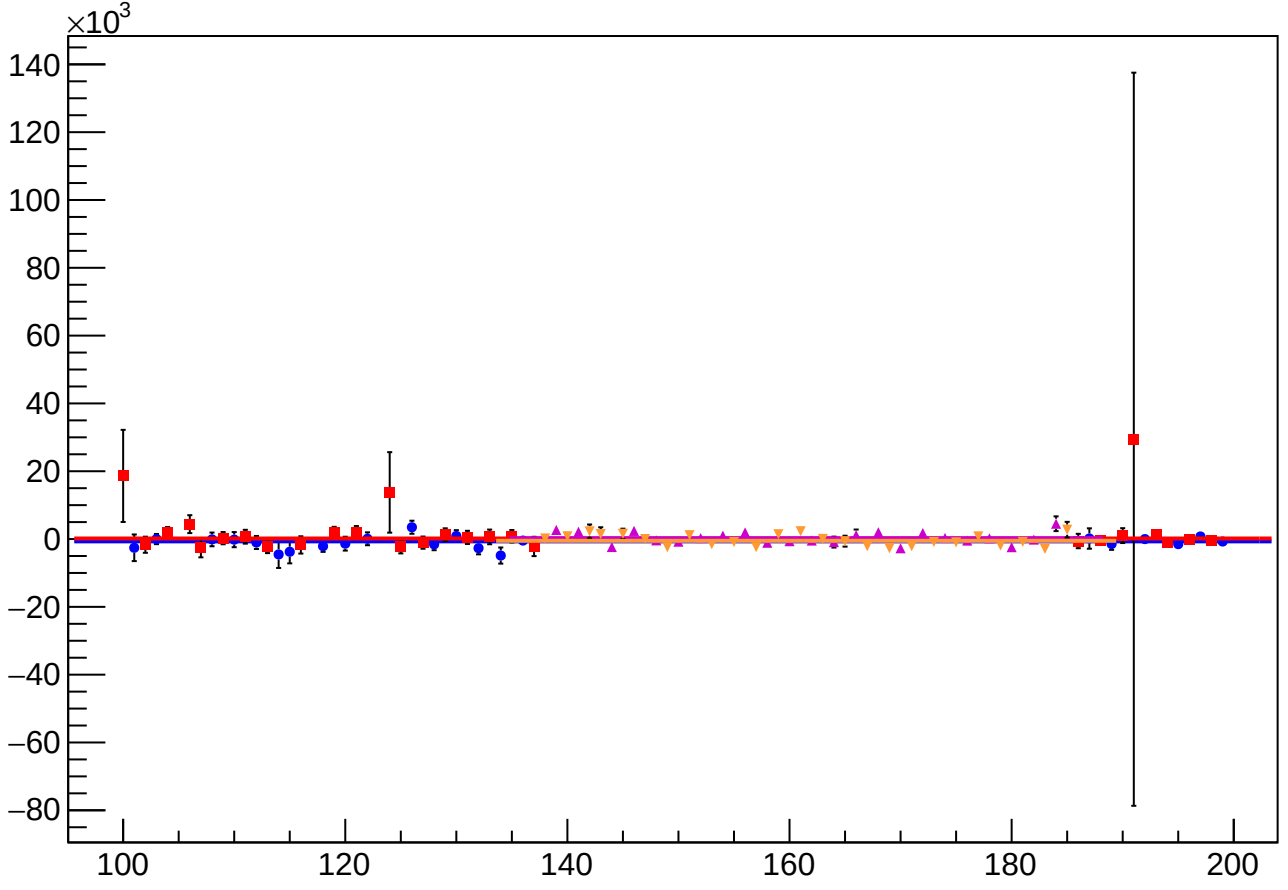
Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 289.405+/-0.043 χ^2/NDF: 15006069.5/46

All: 293.825+/-0.031 χ^2/NDF: 29055038.3/96

- sign 298.469+/-0.044 χ^2/NDF: 14027034.8/49



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 159.506+/-371.507 χ^2/NDF: 18.2/26

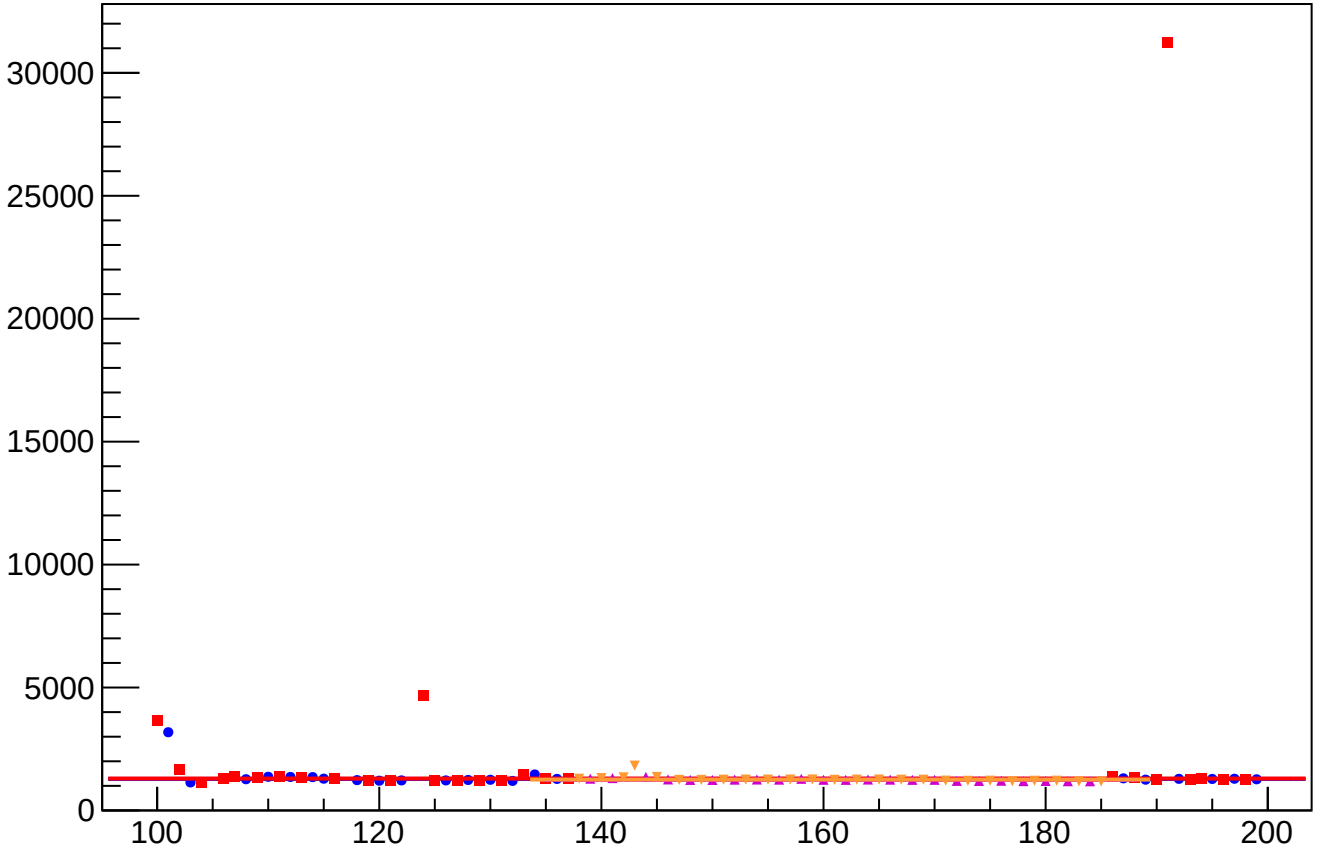
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -574.188+/-228.980 χ^2/NDF: 46.5/46

All: -181.908+/-161.980 χ^2/NDF: 102.6/96

- sign 211.020+/-229.169 χ^2/NDF: 50.3/49

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

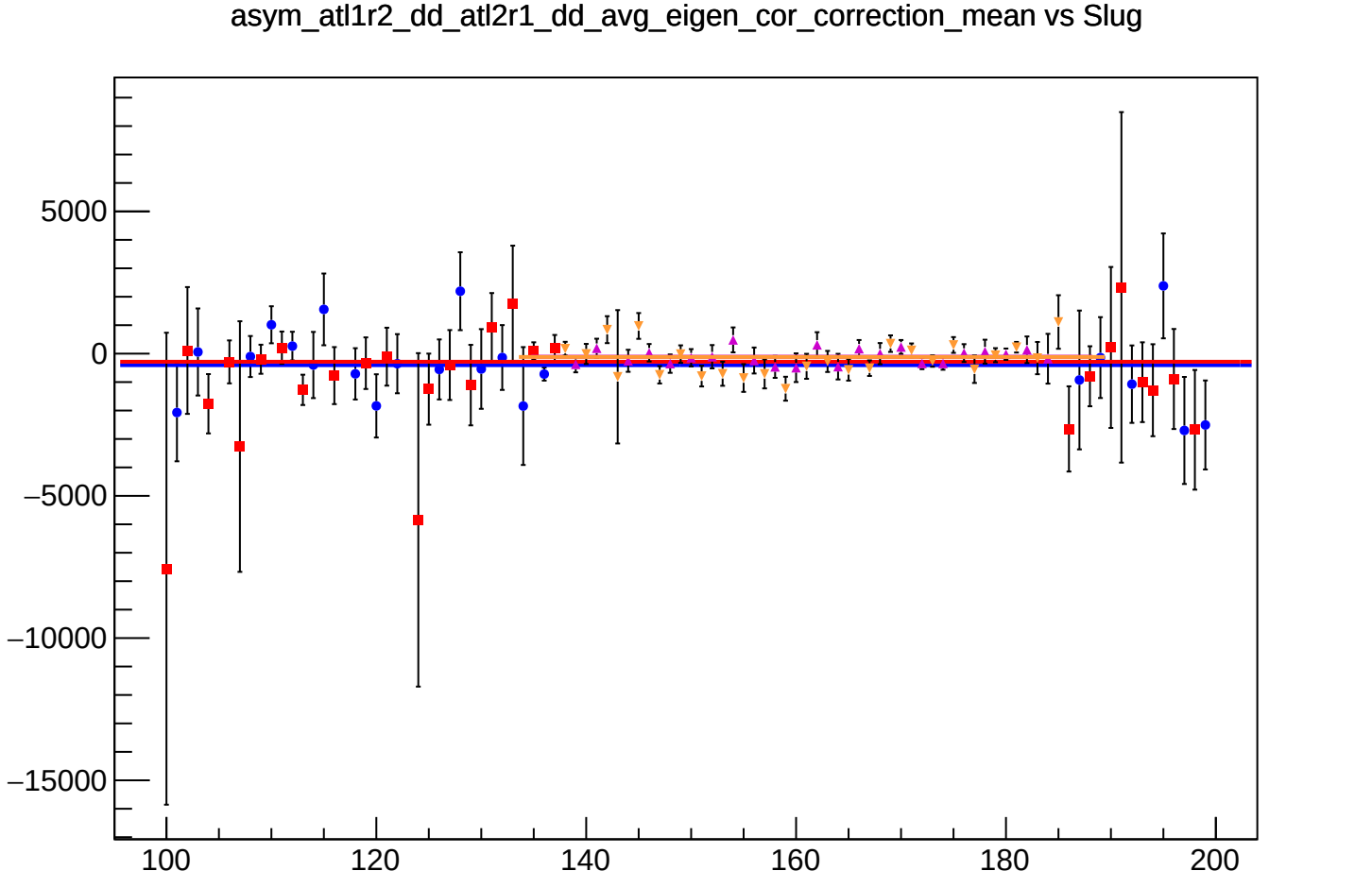
Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.392+/-0.162 χ^2/NDF: 729069.4/46

All: 1265.514+/-0.115 χ^2/NDF: 1281708.8/96

- sign 1265.637+/-0.162 χ^2/NDF: 552638.3/49



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -284.416+/-162.665 χ^2/NDF: 19.3/26

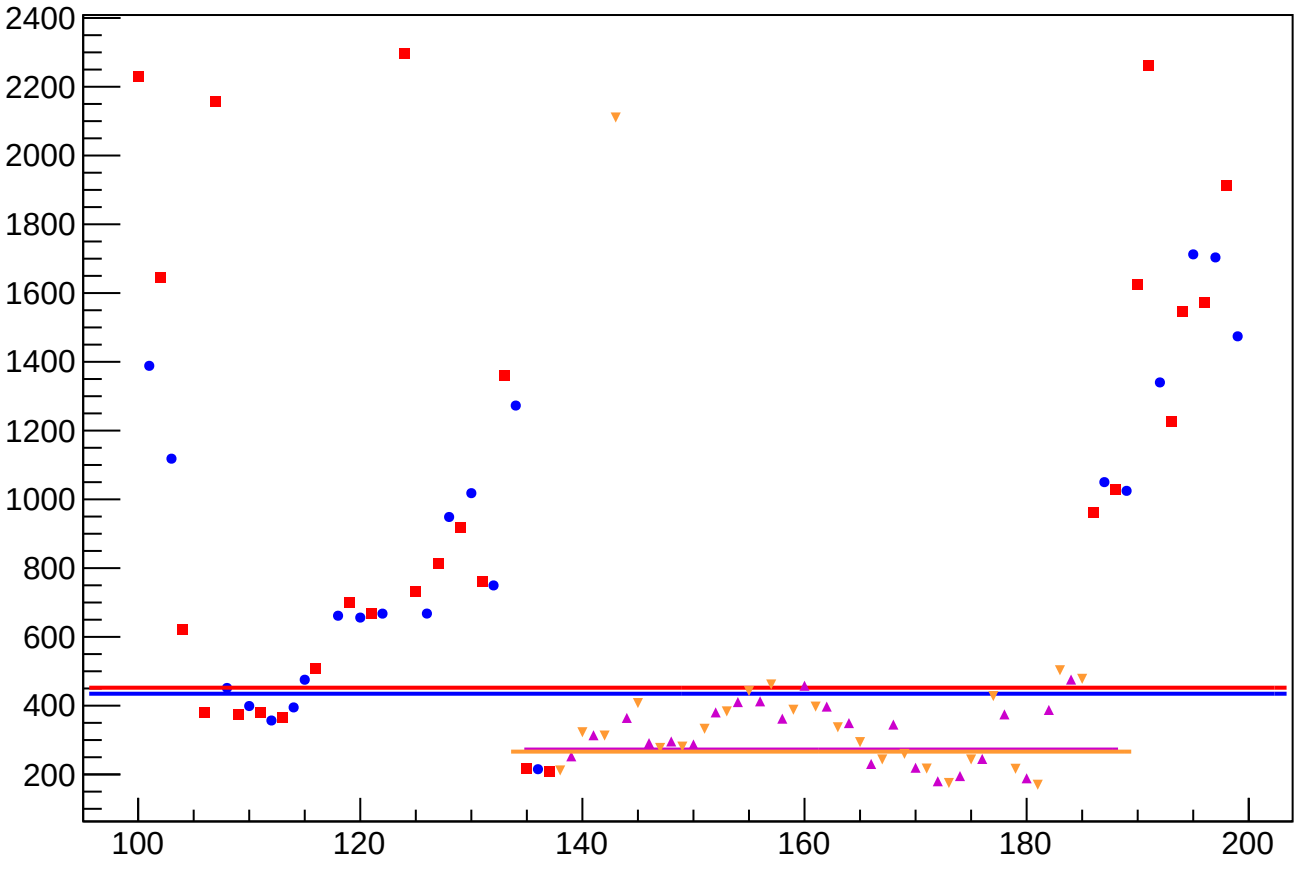
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -156.503+/-60.437 χ^2/NDF: 75.0/46

All: -145.105+/-43.261 χ^2/NDF: 109.1/96

- sign -133.128+/-61.953 χ^2/NDF: 34.0/49

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

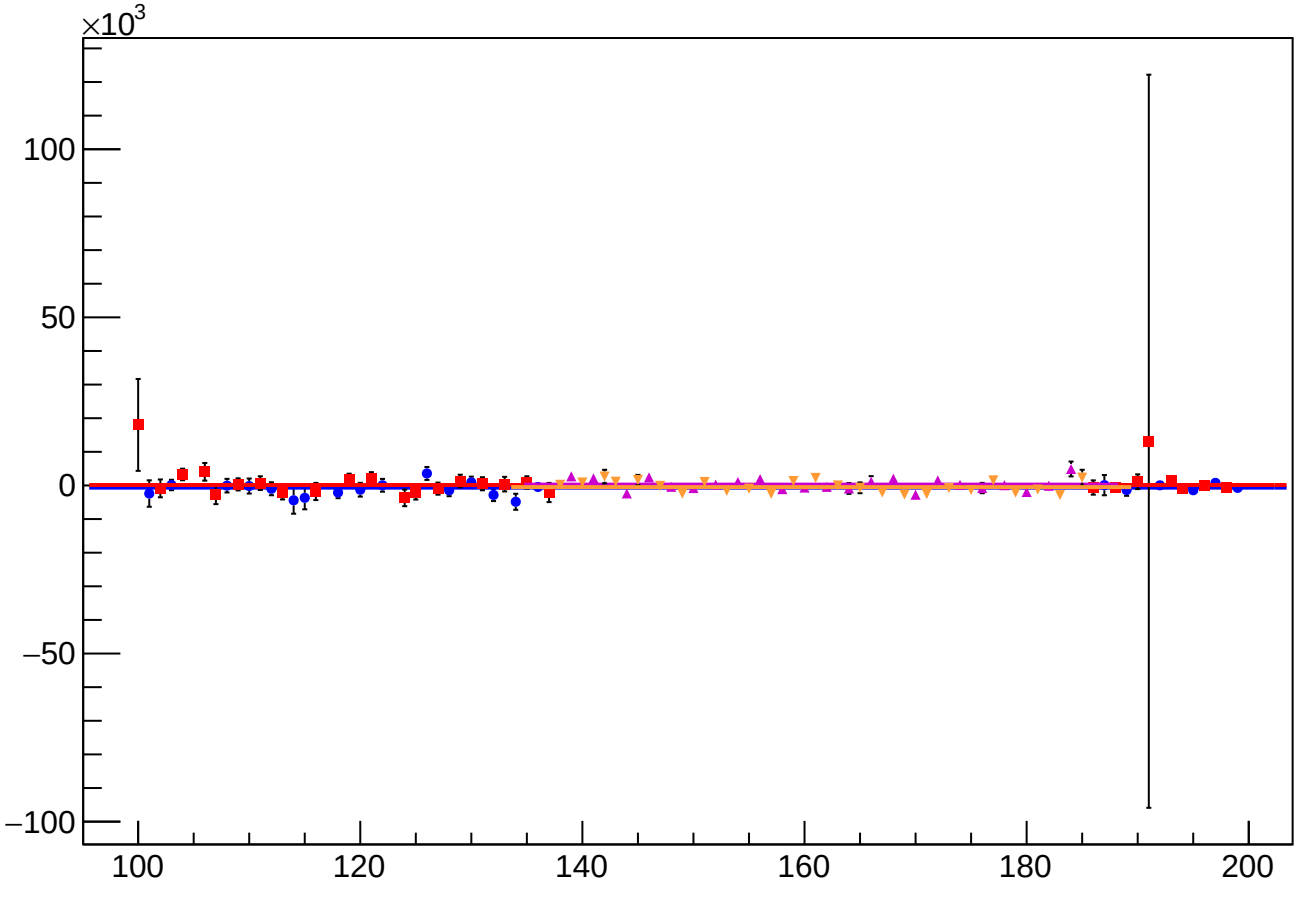
Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 289.405+/-0.043 χ^2/NDF: 15006069.5/46

All: 293.825+/-0.031 χ^2/NDF: 29055038.3/96

- sign 298.469+/-0.044 χ^2/NDF: 14027034.8/49



Right In: -650.452+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 130.149+/-370.156 χ^2/NDF: 20.1/26

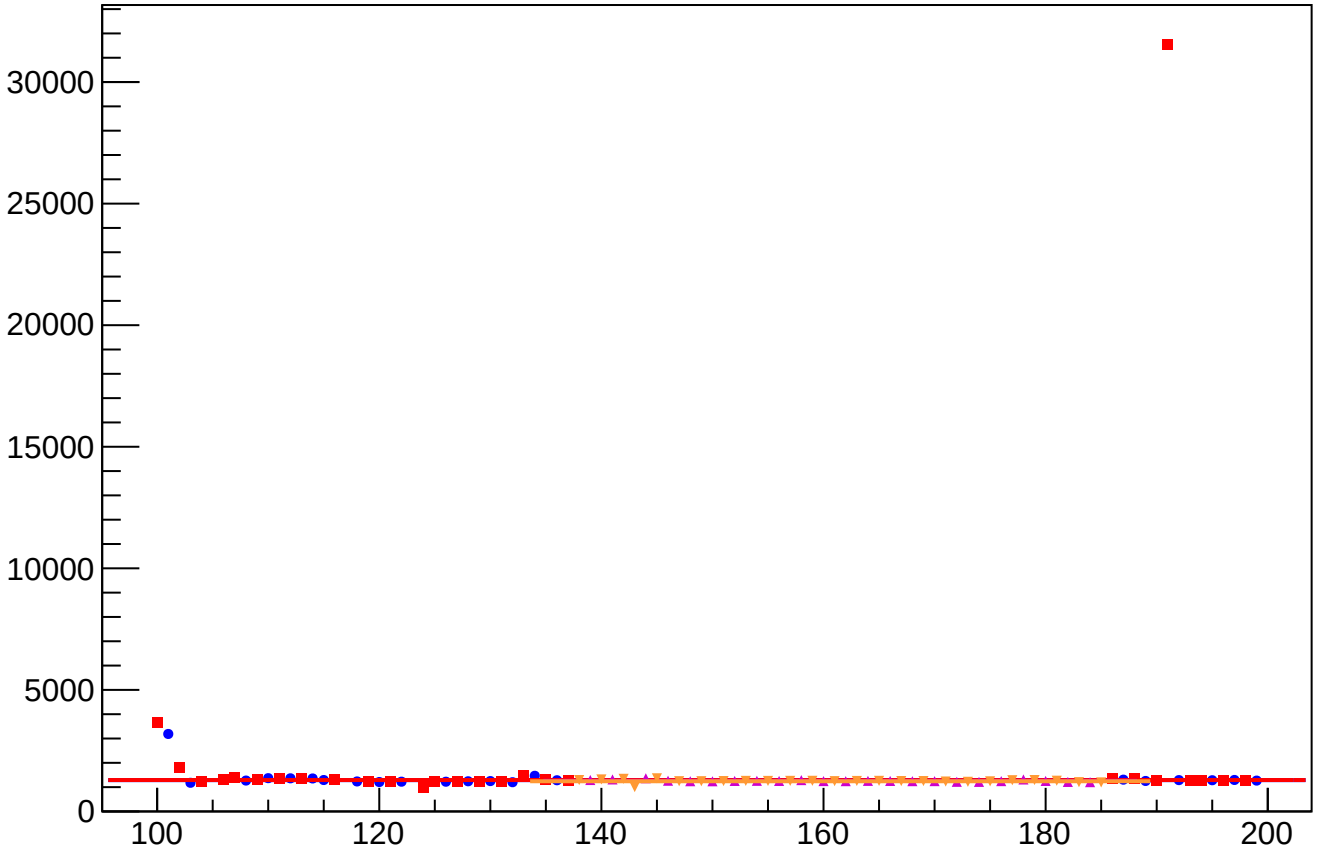
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -548.684+/-227.621 χ^2/NDF: 49.8/46

All: -179.510+/-161.919 χ^2/NDF: 106.0/96

- sign 198.674+/-230.381 χ^2/NDF: 50.9/49

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

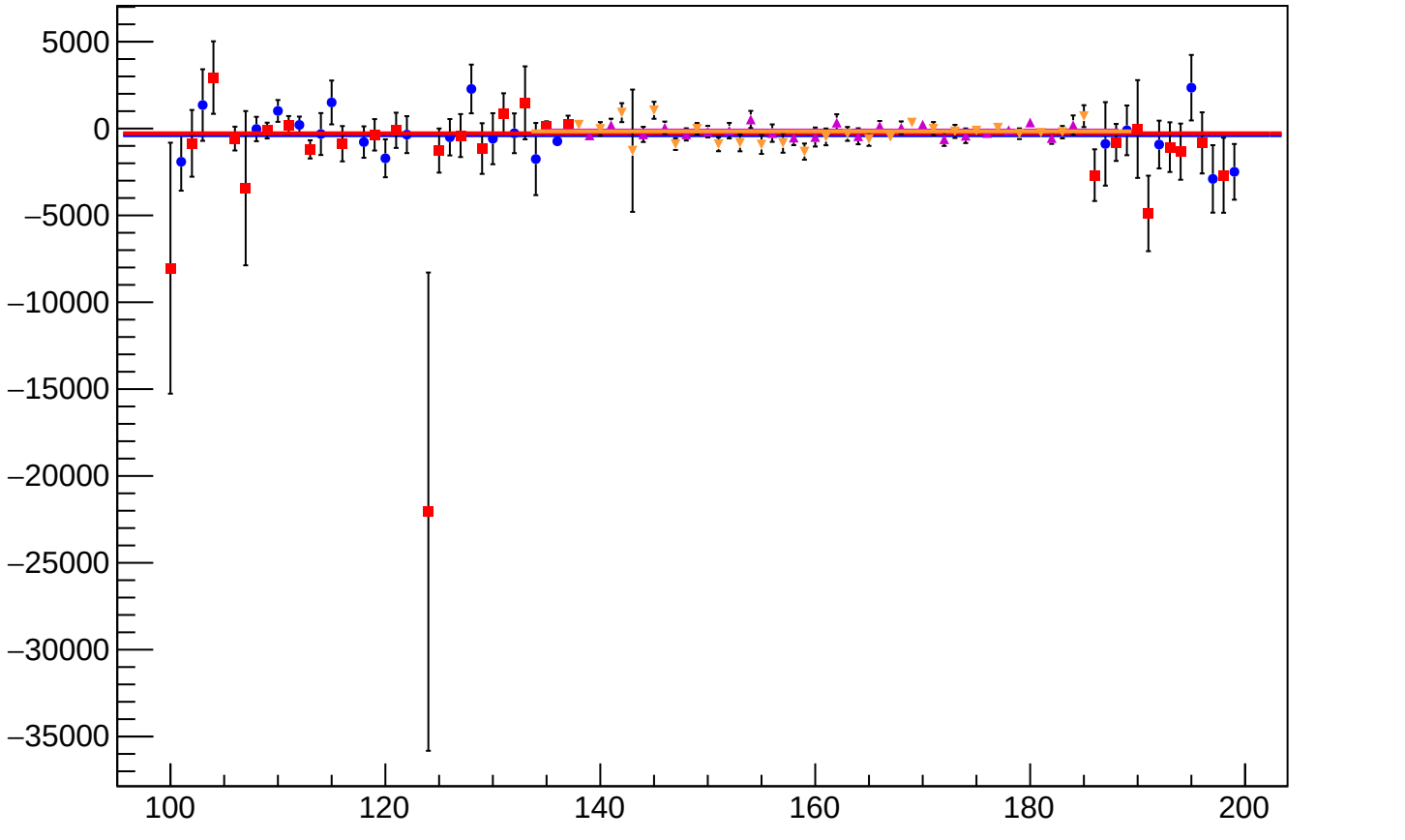
Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.4/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.537+/-0.161 χ^2/NDF: 659071.0/46

All: 1265.523+/-0.114 χ^2/NDF: 1072489.9/96

- sign 1272.680+/-0.163 χ^2/NDF: 409604.6/49



Right In: -382.742+/-164.981 χ^2/NDF: 24.2/21

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

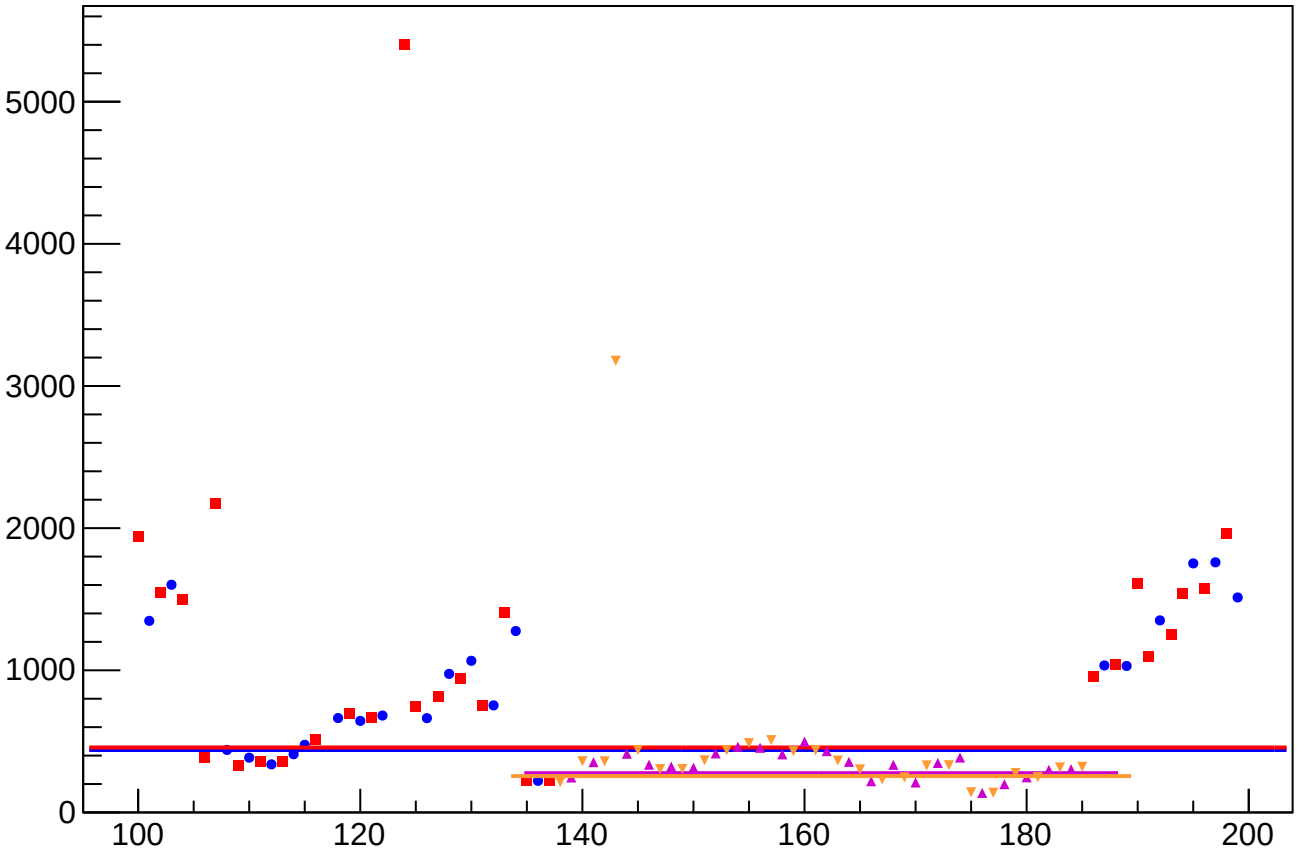
Right Out: -272.734+/-162.612 χ^2/NDF: 25.8/26

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -190.047+/-59.775 χ^2/NDF: 69.5/46

All: -165.499+/-43.490 χ^2/NDF: 114.7/96

- sign -137.888+/-63.394 χ^2/NDF: 44.8/49



Right In: 439.420+/-0.117 χ^2/NDF: 8682969.7/21

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

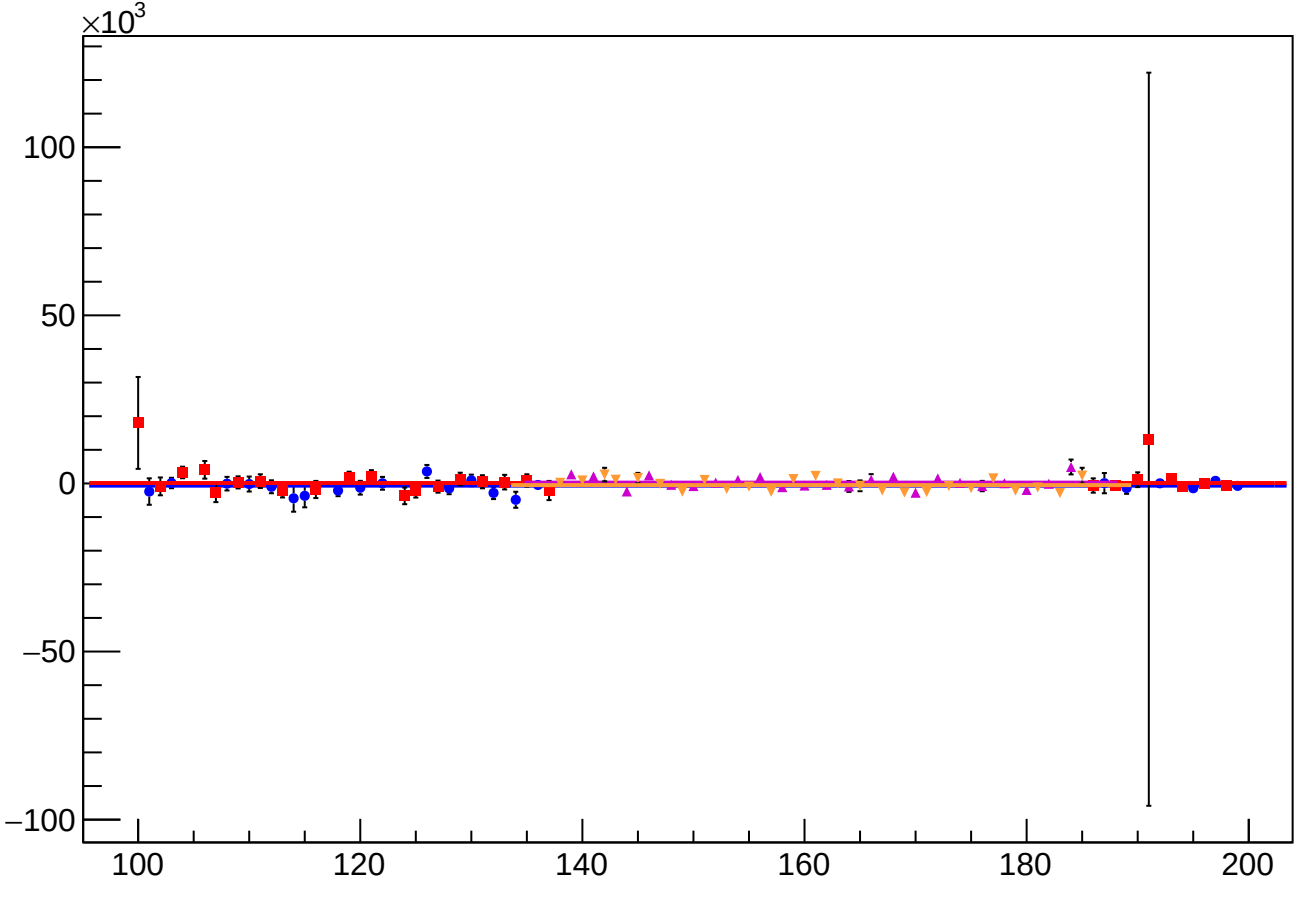
Right Out: 456.865+/-0.115 χ^2/NDF: 9557914.2/26

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 279.877+/-0.042 χ^2/NDF: 17209863.3/46

All: 291.108+/-0.031 χ^2/NDF: 33036461.3/96

- sign 303.741+/-0.045 χ^2/NDF: 15676566.7/49



Right In: -650.455+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 130.148+/-370.155 χ^2/NDF: 20.1/26

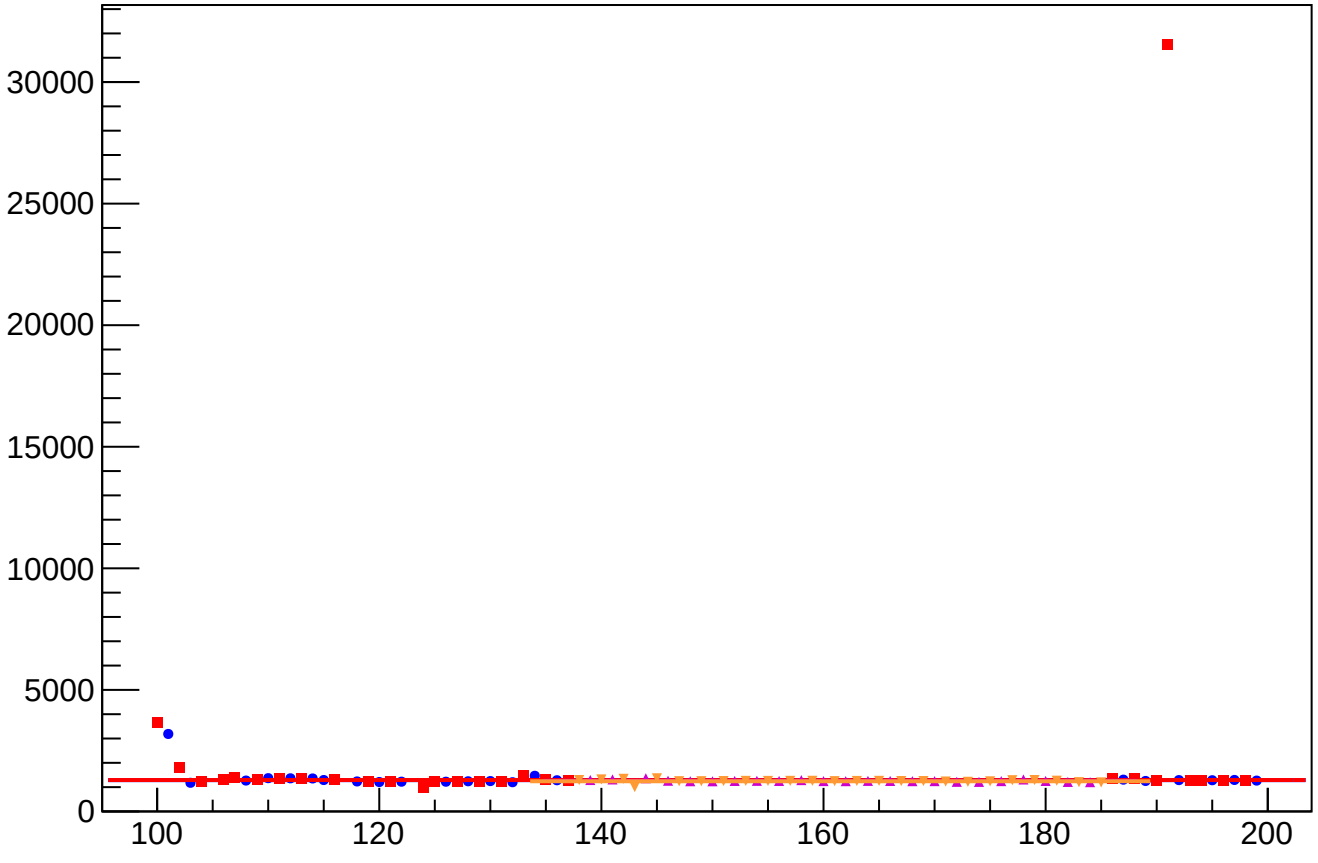
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

\+ sign -548.685+/-227.621 χ^2/NDF: 49.8/46

All: -179.510+/-161.919 χ^2/NDF: 106.0/96

\- sign 198.674+/-230.381 χ^2/NDF: 50.9/49

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

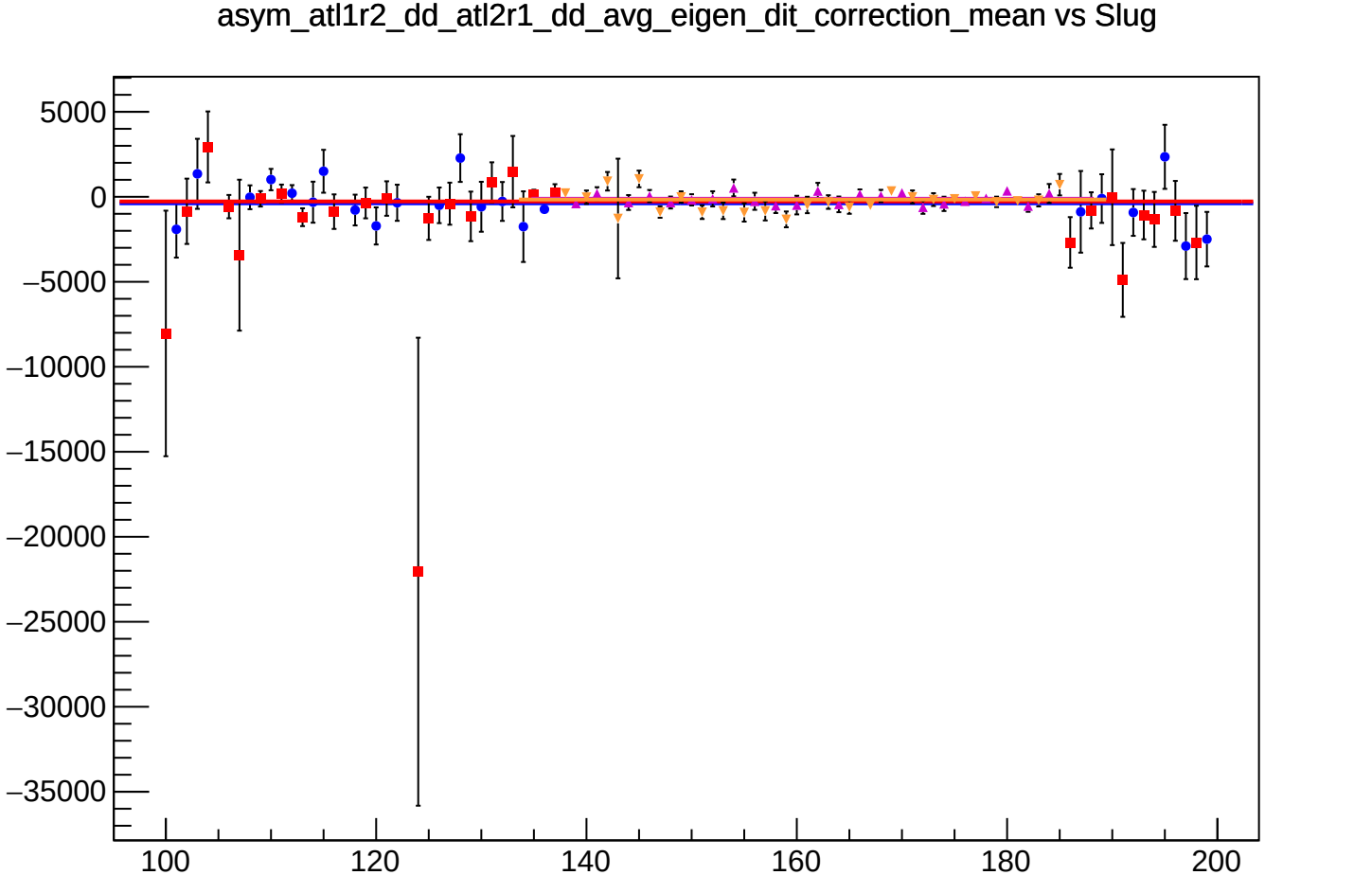
Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.6/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.537+/-0.161 χ^2/NDF: 659070.0/46

All: 1265.523+/-0.114 χ^2/NDF: 1072489.3/96

- sign 1272.680+/-0.163 χ^2/NDF: 409604.9/49



Right In: -382.743+/-164.984 χ^2/NDF: 24.2/21

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

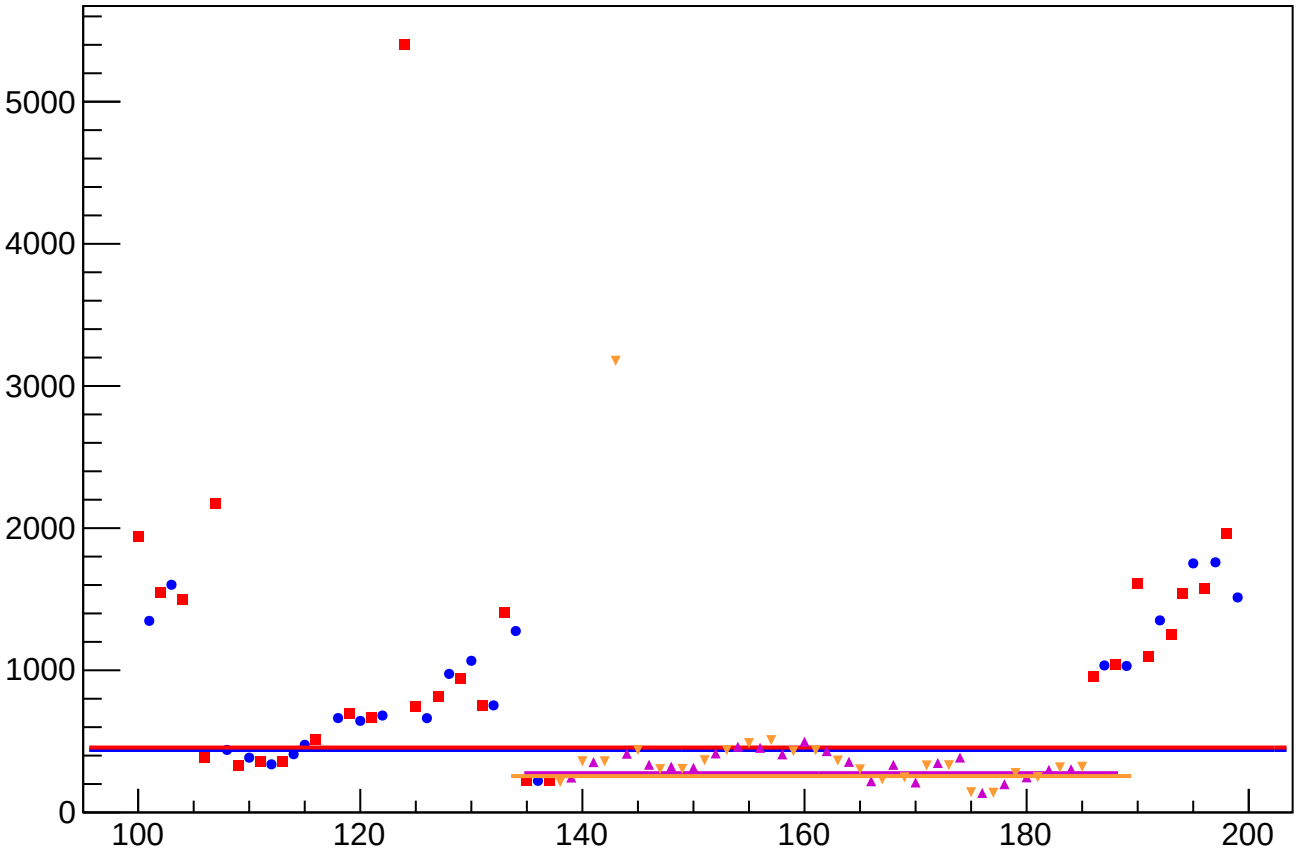
Right Out: -272.742+/-162.614 χ^2/NDF: 25.8/26

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

\+ sign -190.050+/-59.776 χ^2/NDF: 69.5/46

All: -165.500+/-43.491 χ^2/NDF: 114.7/96

\- sign -137.888+/-63.394 χ^2/NDF: 44.8/49



Right In: 439.432+/-0.117 χ^2/NDF: 8682700.6/21

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 456.874+/-0.115 χ^2/NDF: 9557684.8/26

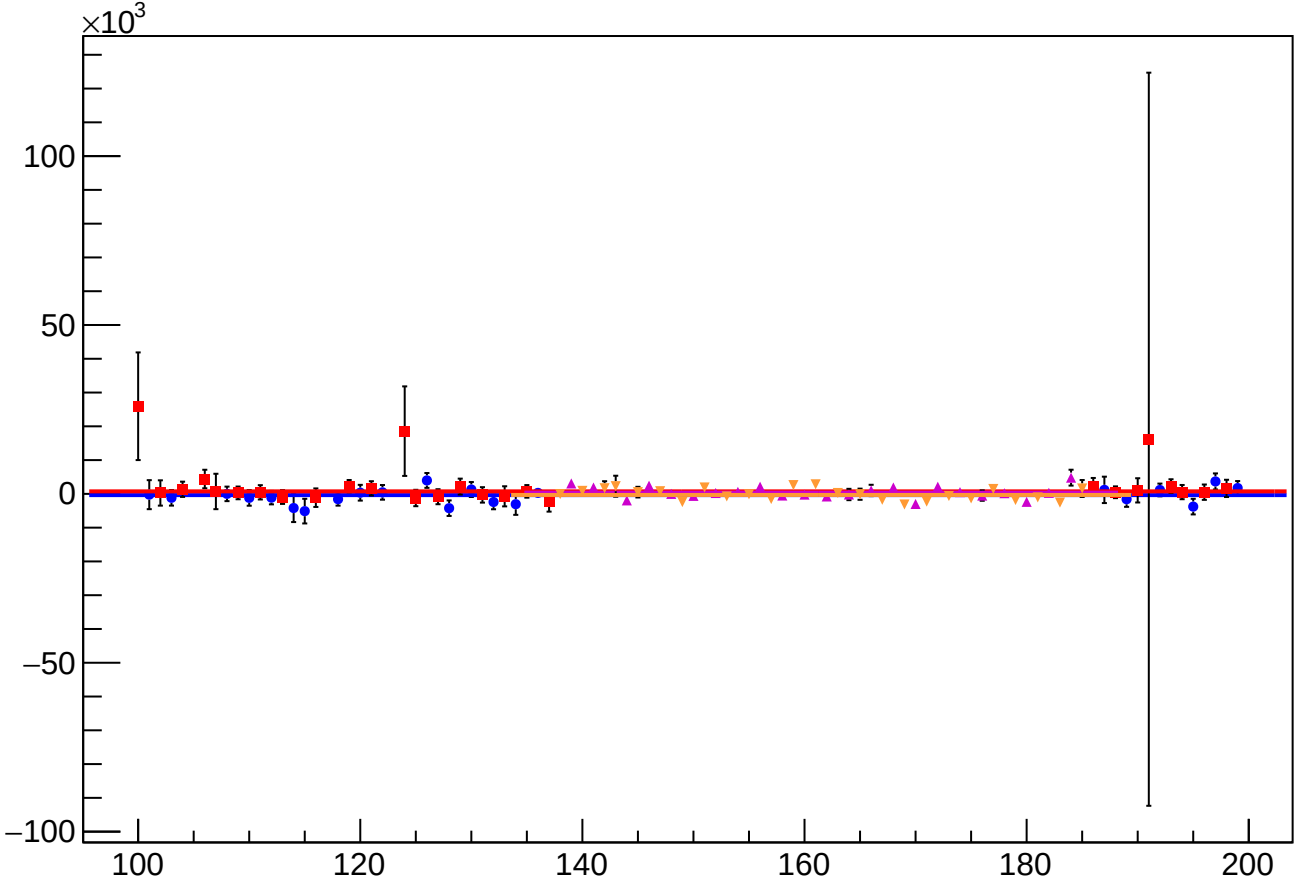
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 279.879+/-0.042 χ^2/NDF: 17209666.6/46

All: 291.110+/-0.031 χ^2/NDF: 33036137.6/96

- sign 303.742+/-0.045 χ^2/NDF: 15676451.3/49

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -367.037+/-483.325 χ^2/NDF: 19.9/21

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 745.033+/-472.332 χ^2/NDF: 12.5/26

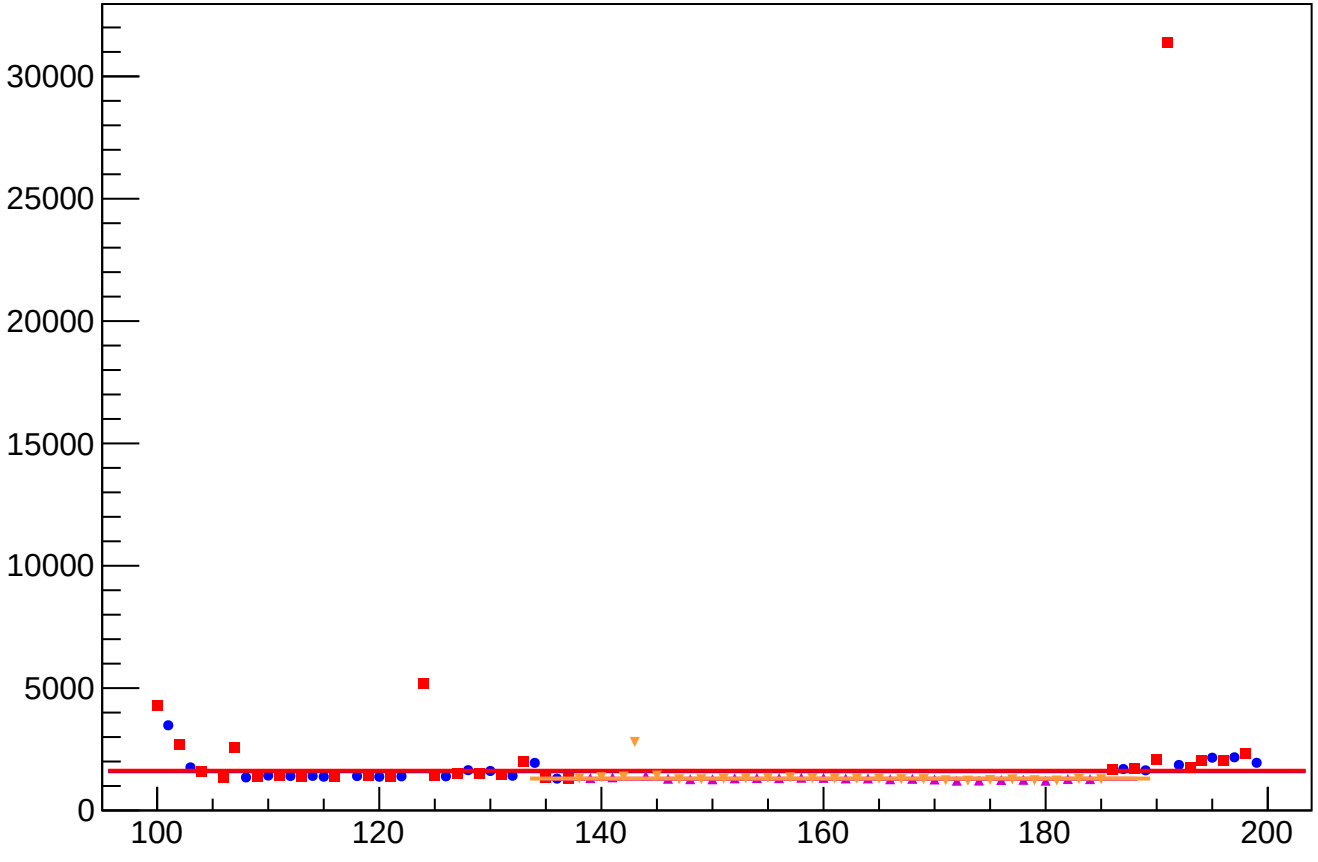
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -332.787+/-253.828 χ^2/NDF: 51.5/46

All: 67.292+/-179.678 χ^2/NDF: 99.1/96

- sign 469.112+/-254.379 χ^2/NDF: 42.6/49

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1603.169+/-0.342 χ^2/NDF: 994876.9/21

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

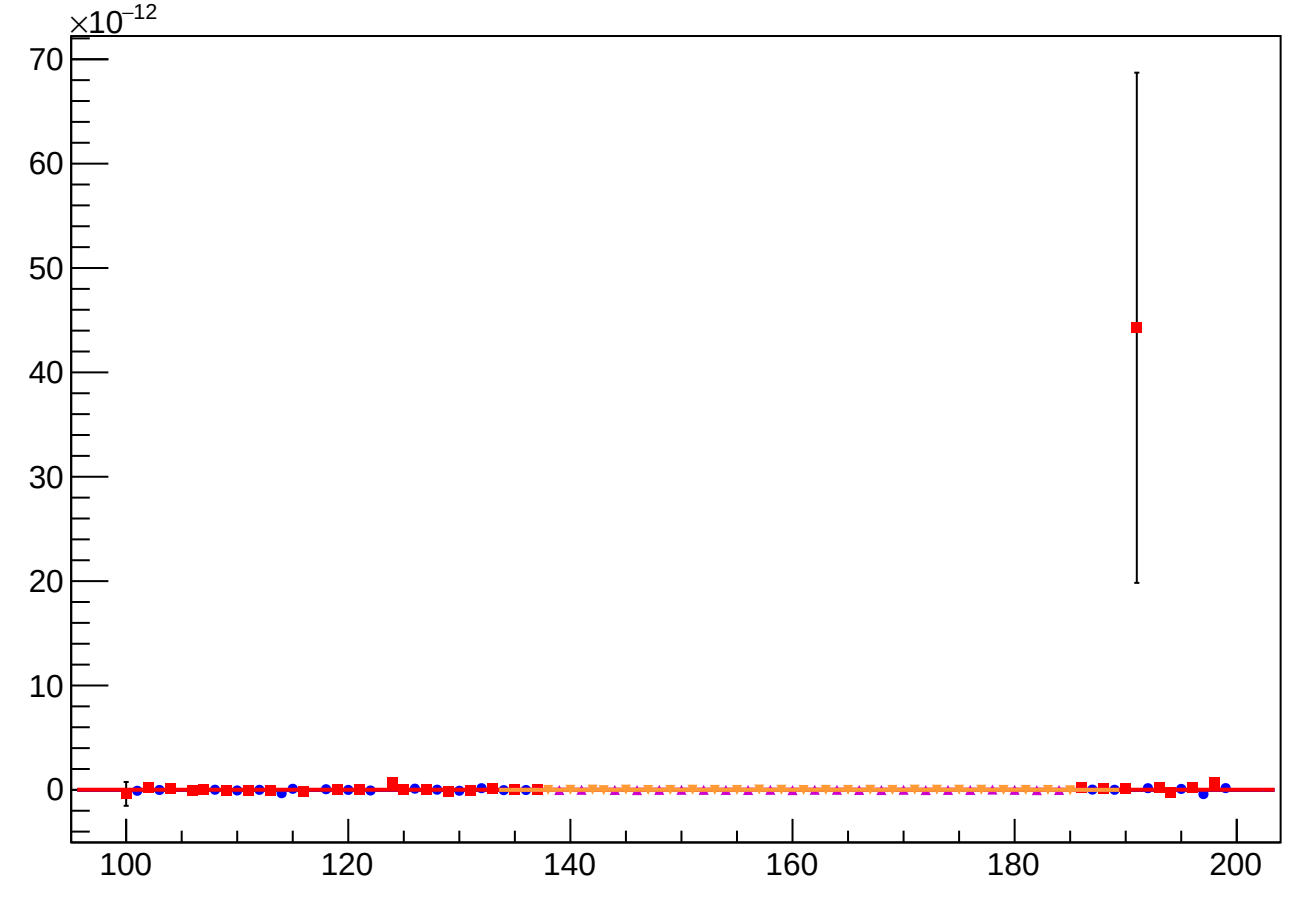
Right Out: 1622.668+/-0.334 χ^2/NDF: 1222335.6/26

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1386.625+/-0.179 χ^2/NDF: 2068839.6/46

All: 1387.309+/-0.127 χ^2/NDF: 4034935.4/96

- sign 1387.997+/-0.180 χ^2/NDF: 1966066.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

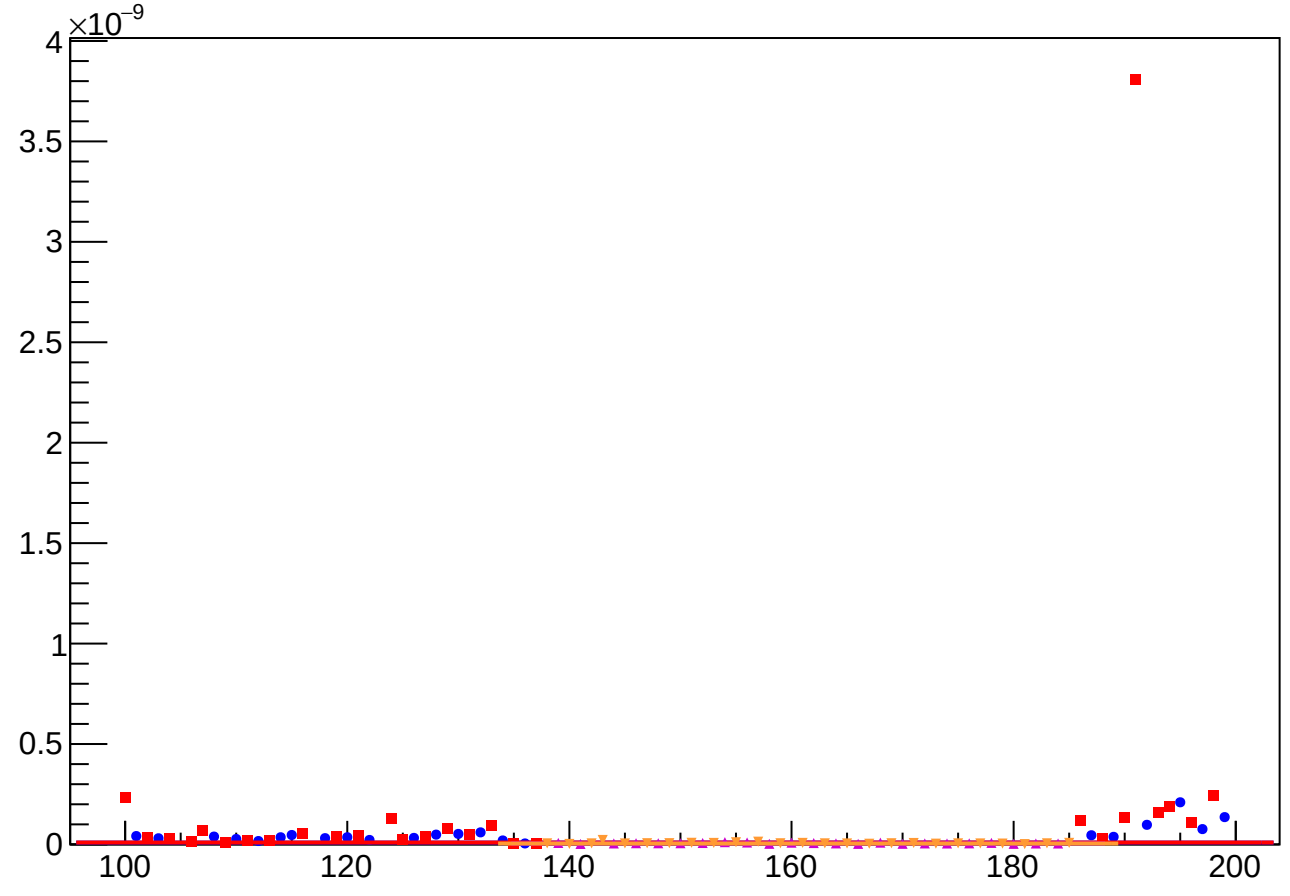
Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/26

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.0/46

All: 0.000+/-0.000 χ^2/NDF: 110.4/96

- sign 0.000+/-0.000 χ^2/NDF: 67.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 5416911.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

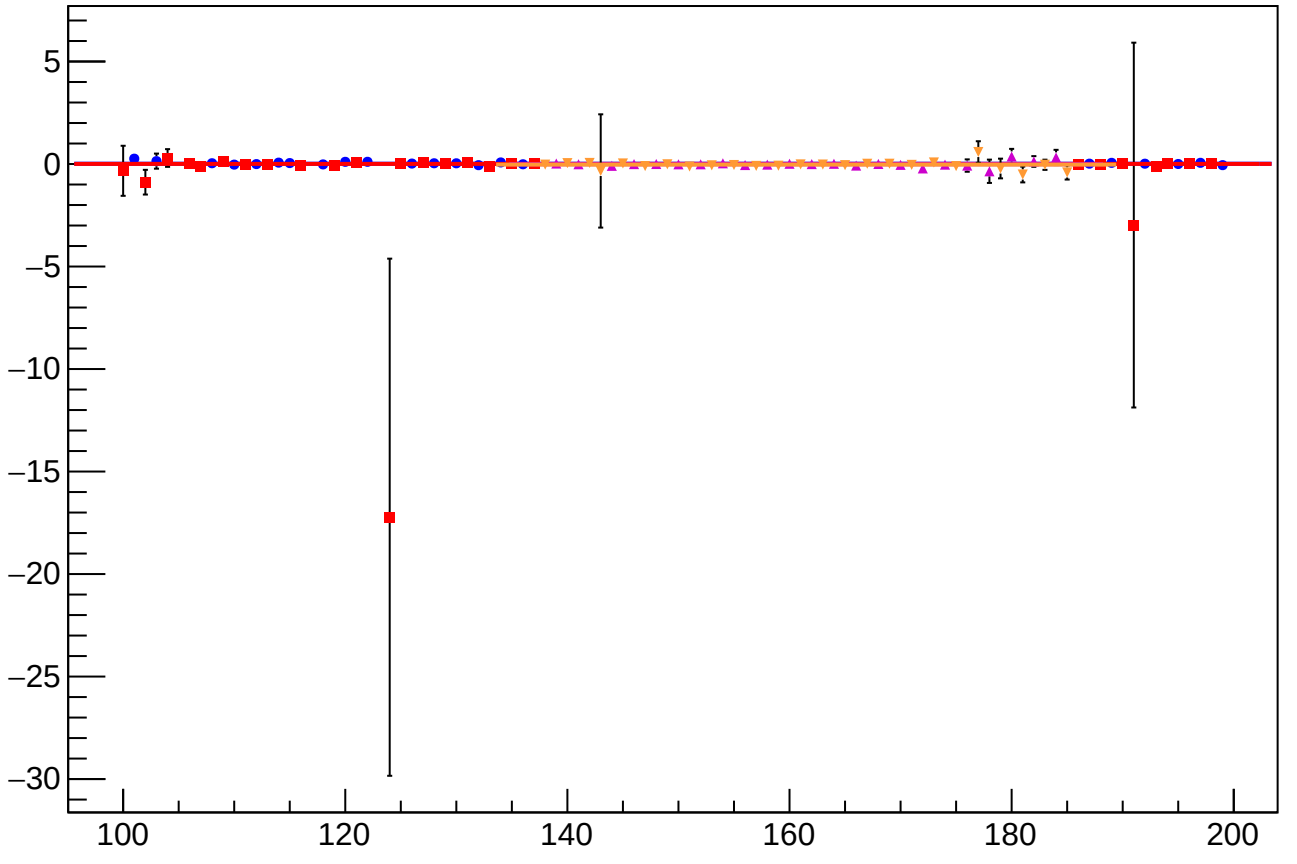
Right Out: 0.000+/-0.000 χ^2/NDF: 6969984.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8864602.8/46

All: 0.000+/-0.000 χ^2/NDF: 18435322.3/96

- sign 0.000+/-0.000 χ^2/NDF: 9546979.8/49



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

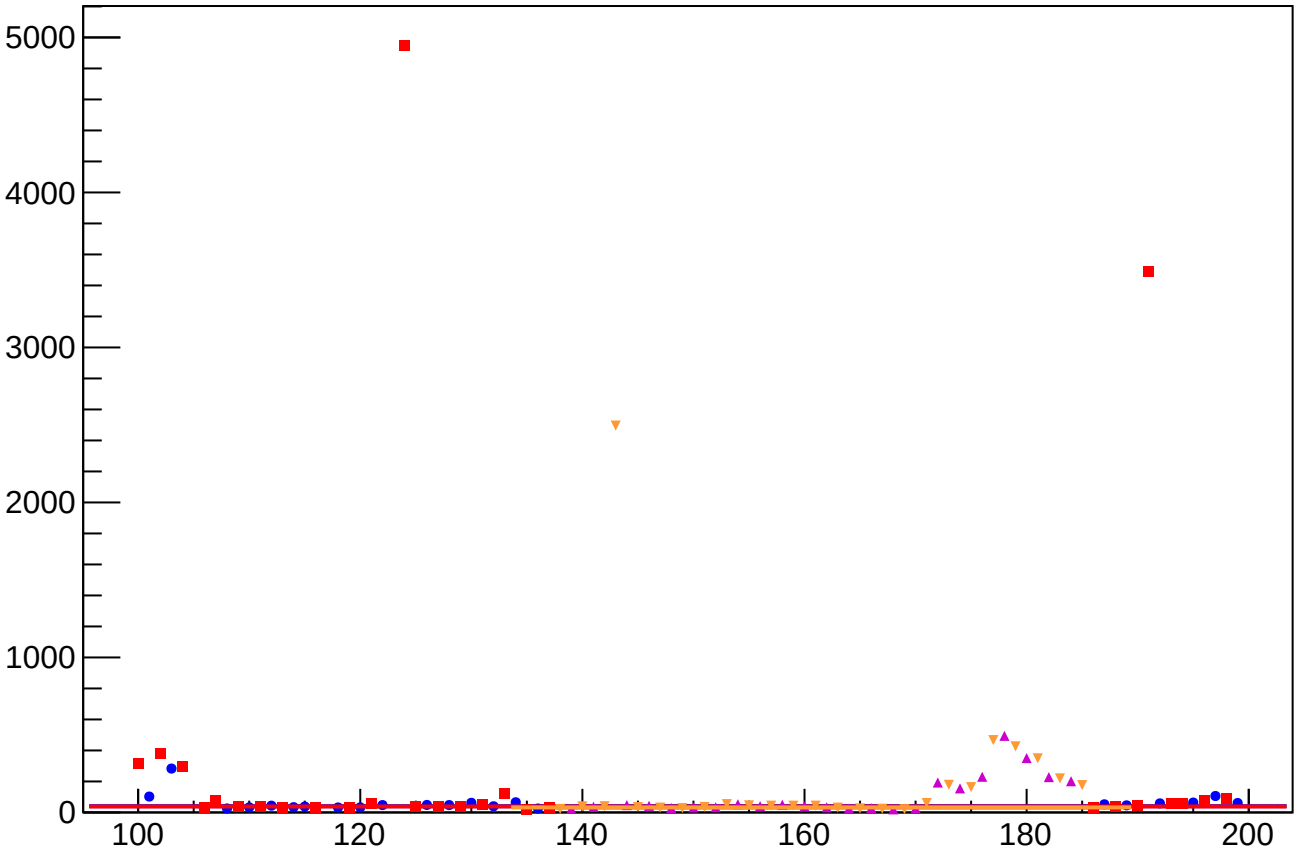
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.010+/-0.005 χ^2/NDF: 82.9/96

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

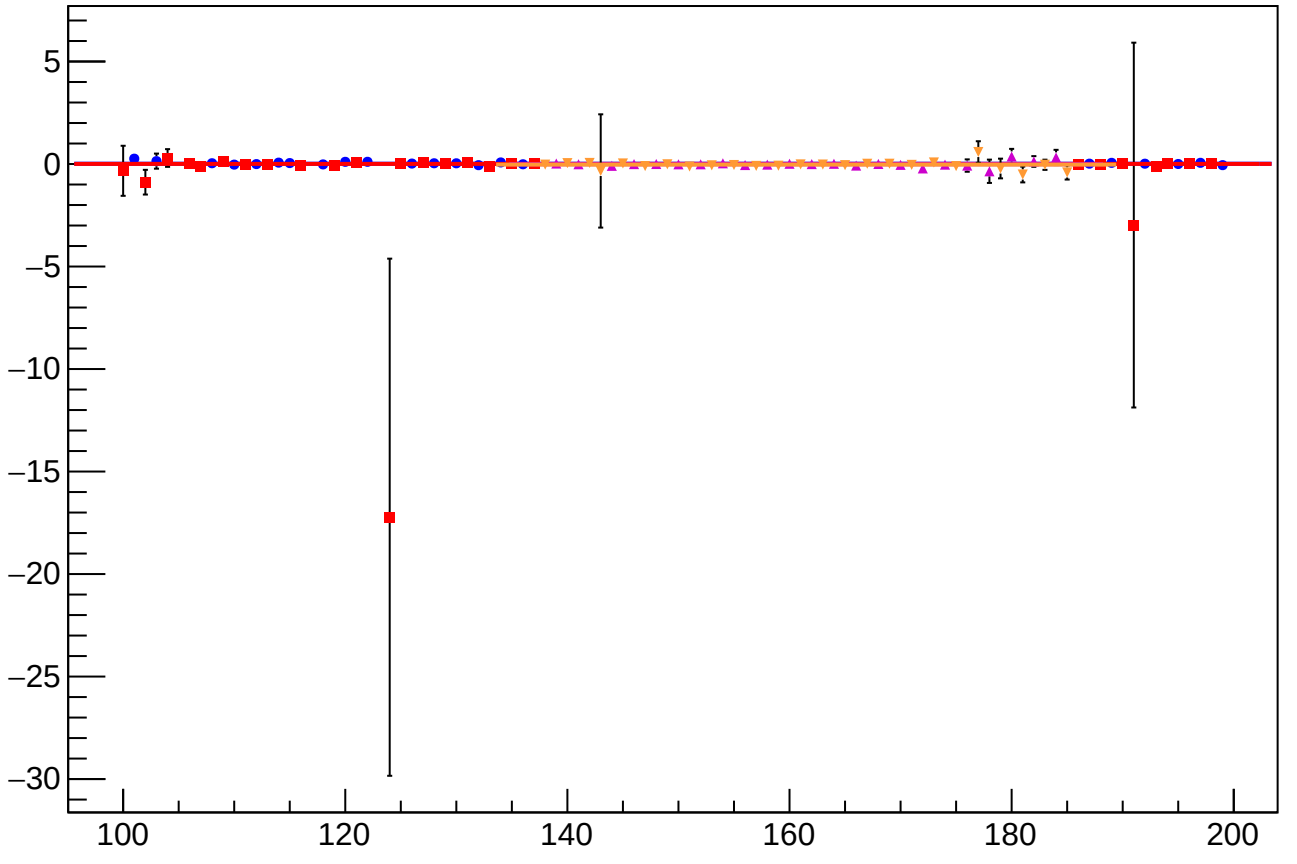
Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.057+/-0.006 χ^2/NDF: 14938460.7/46

All: 34.911+/-0.004 χ^2/NDF: 28899086.9/96

- sign 34.771+/-0.005 χ^2/NDF: 13959267.7/49



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

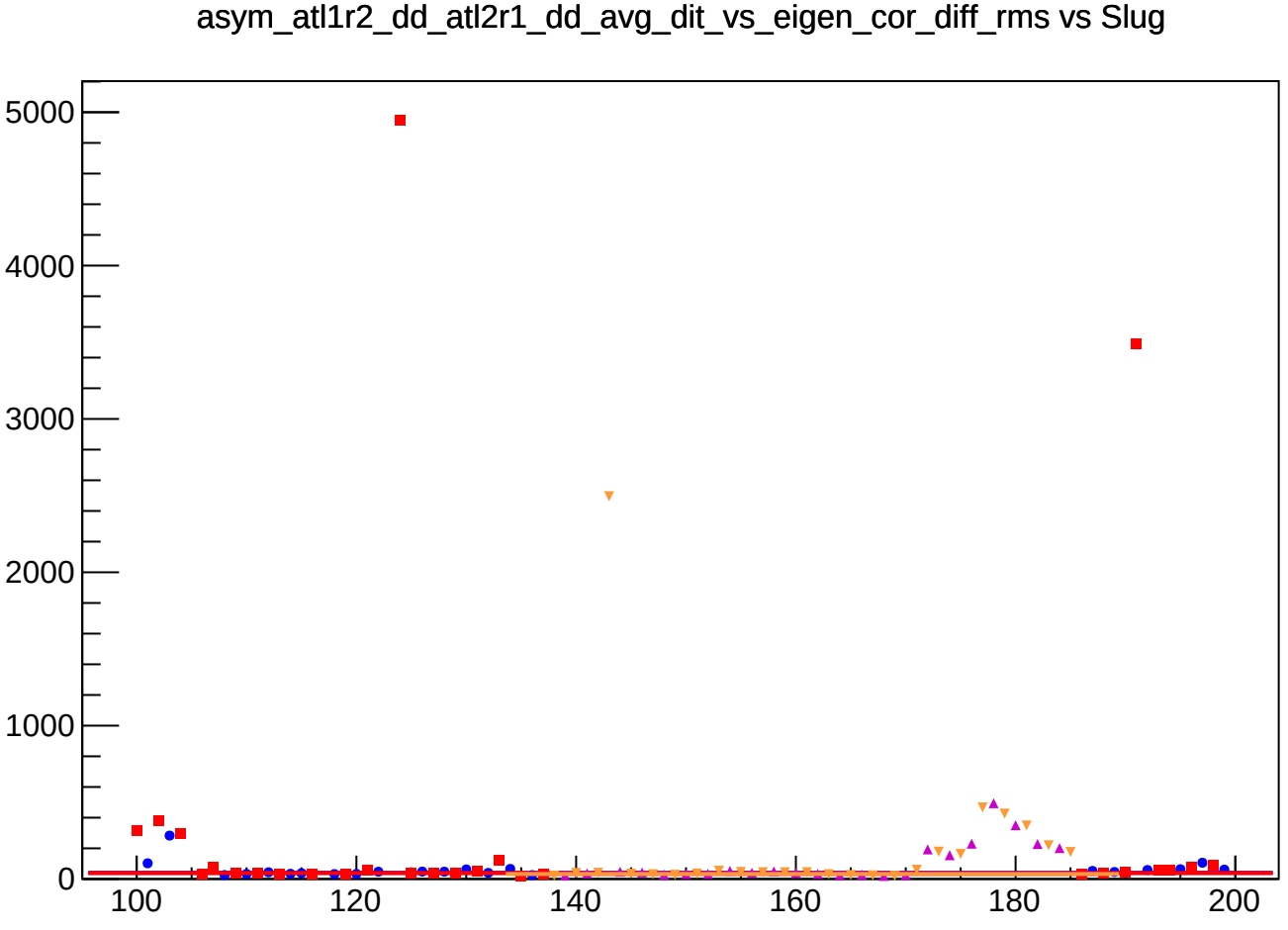
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.010+/-0.005 χ^2/NDF: 82.9/96

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

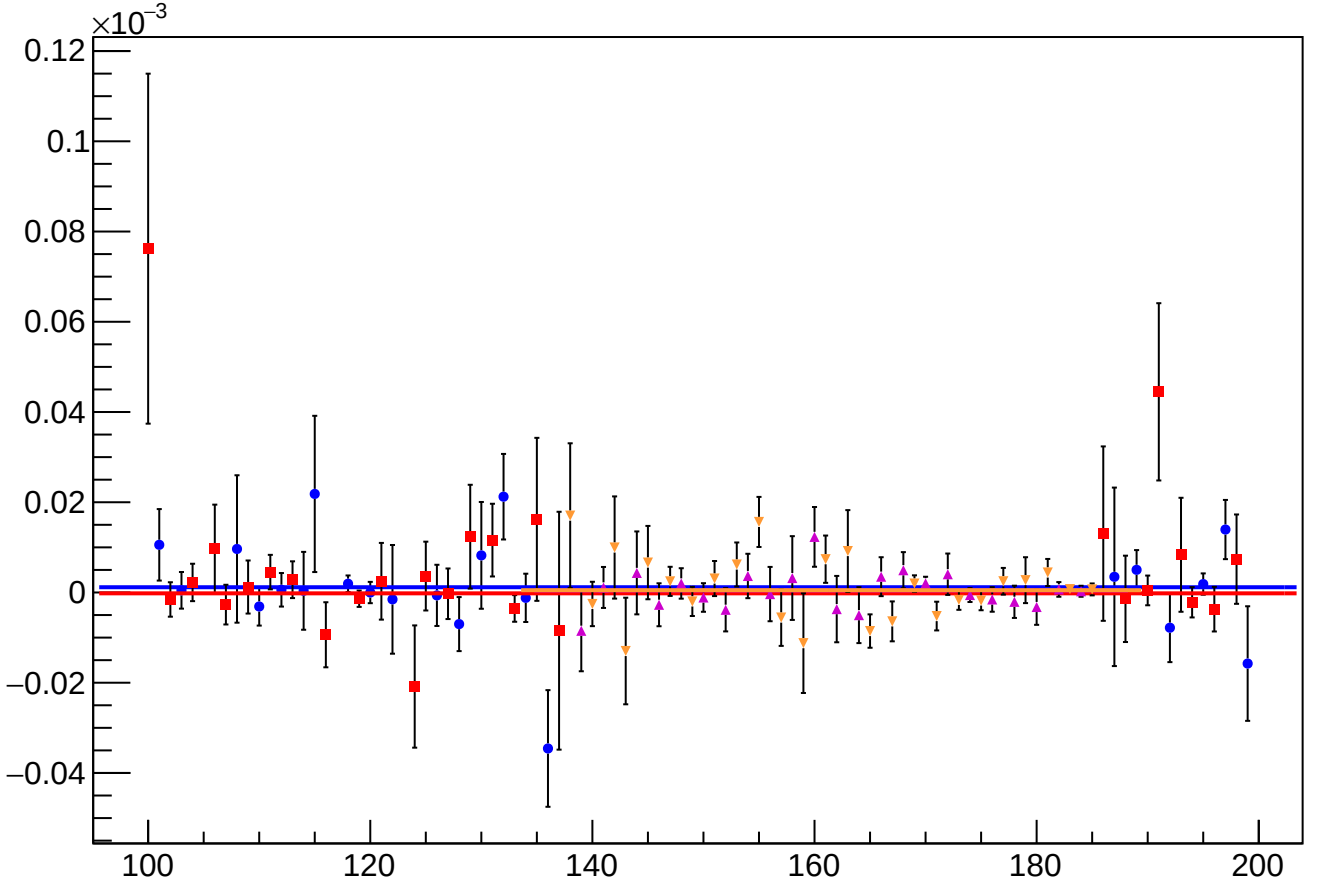
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.057+/-0.006 χ^2/NDF: 14938460.7/46

All: 34.911+/-0.004 χ^2/NDF: 28899086.9/96

- 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



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

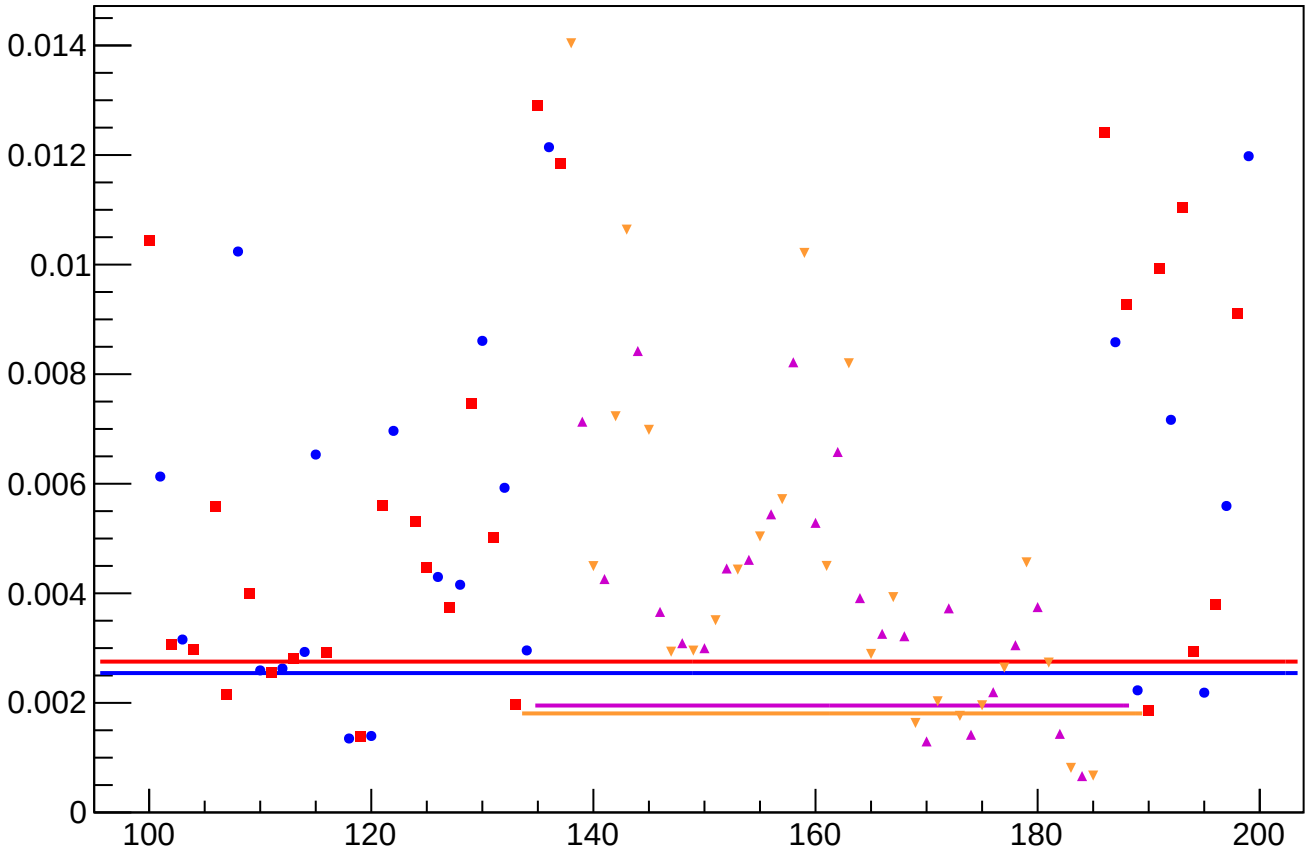
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/26

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.2/46

All: 0.000+/-0.000 χ^2/NDF: 103.2/96

- sign 0.000+/-0.000 χ^2/NDF: 39.7/49



Right In: 0.003+/-0.000 χ^2/NDF: 7285883.4/21

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

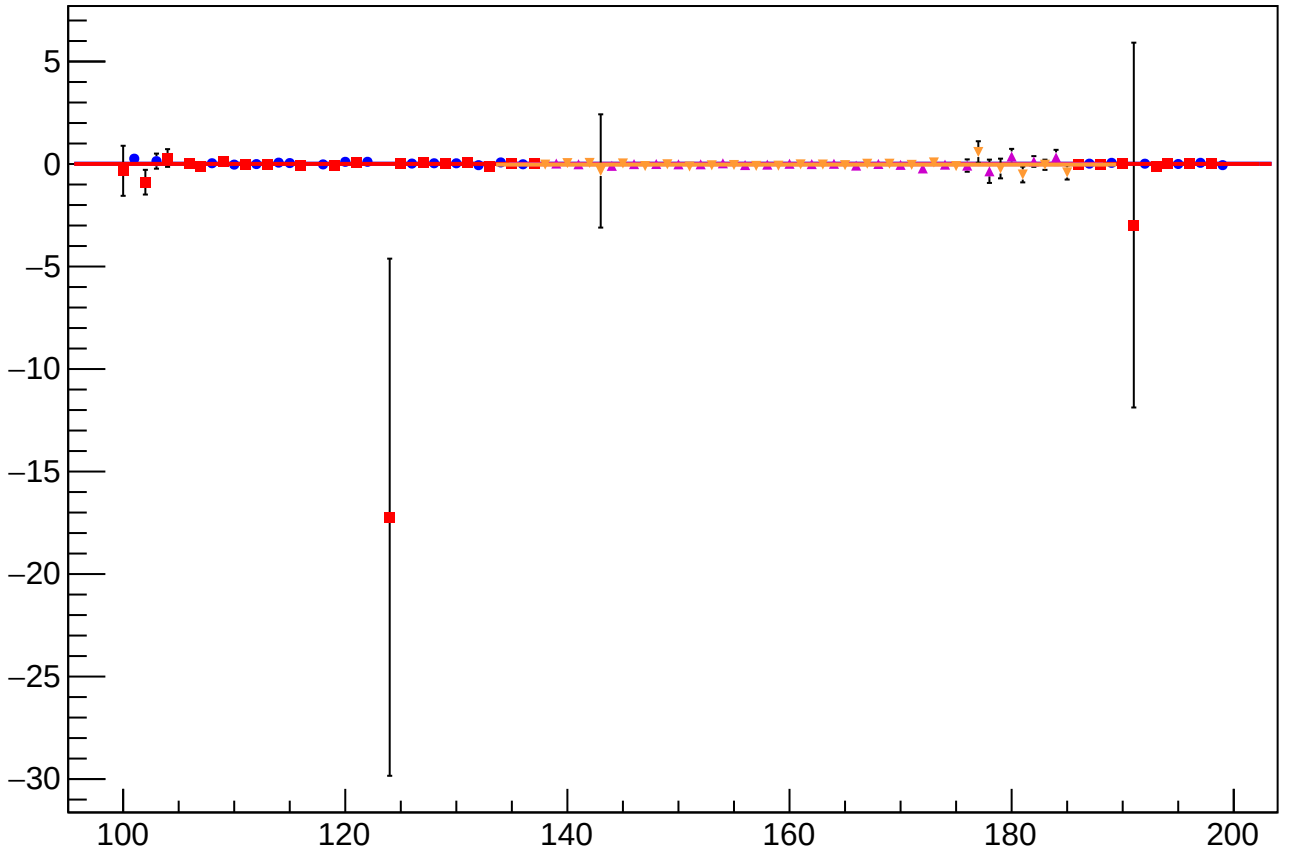
Right Out: 0.003+/-0.000 χ^2/NDF: 7117065.9/26

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 23124103.1/46

All: 0.002+/-0.000 χ^2/NDF: 42919031.2/96

- sign 0.002+/-0.000 χ^2/NDF: 19644526.0/49



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

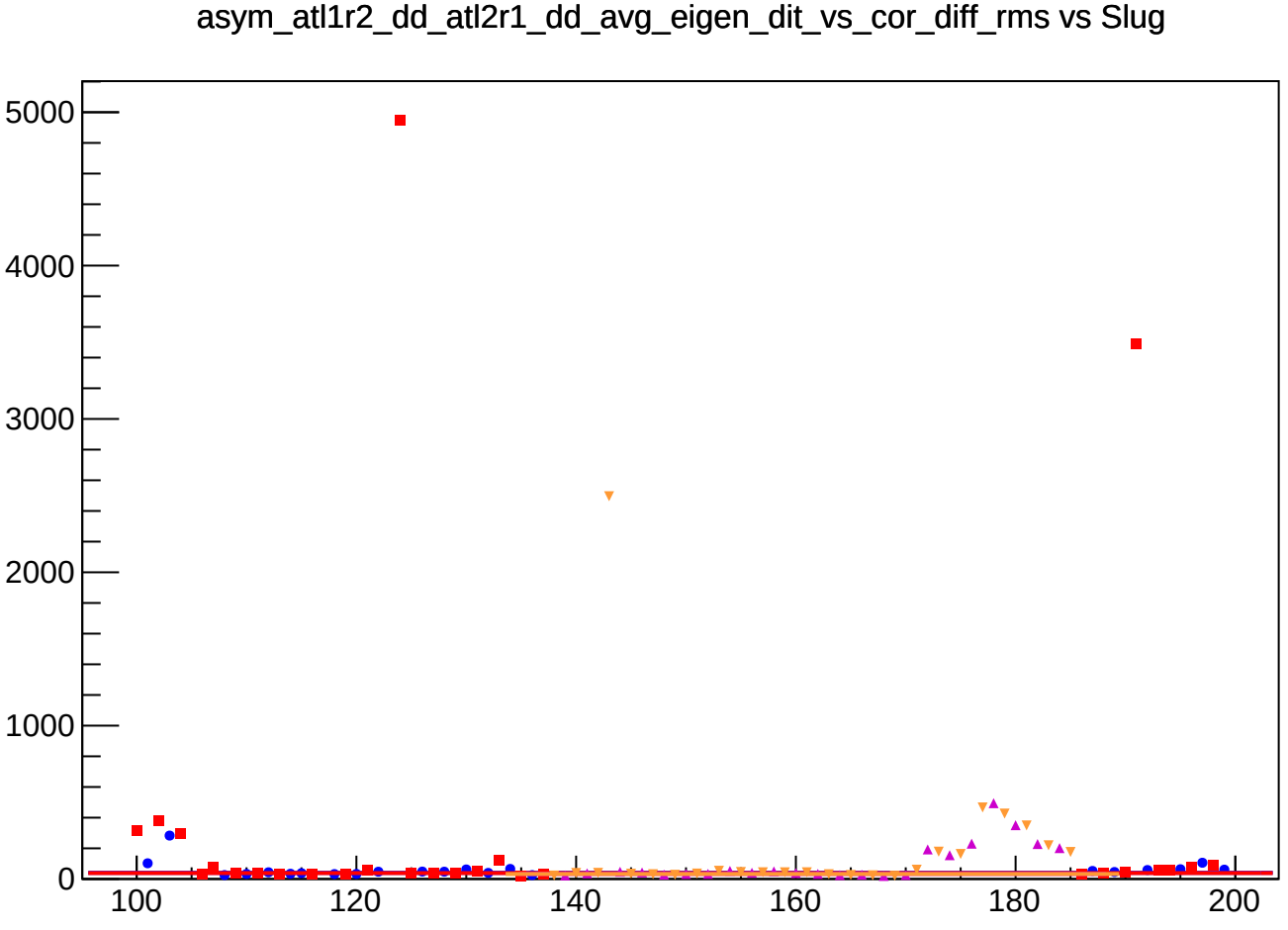
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.010+/-0.005 χ^2/NDF: 82.9/96

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

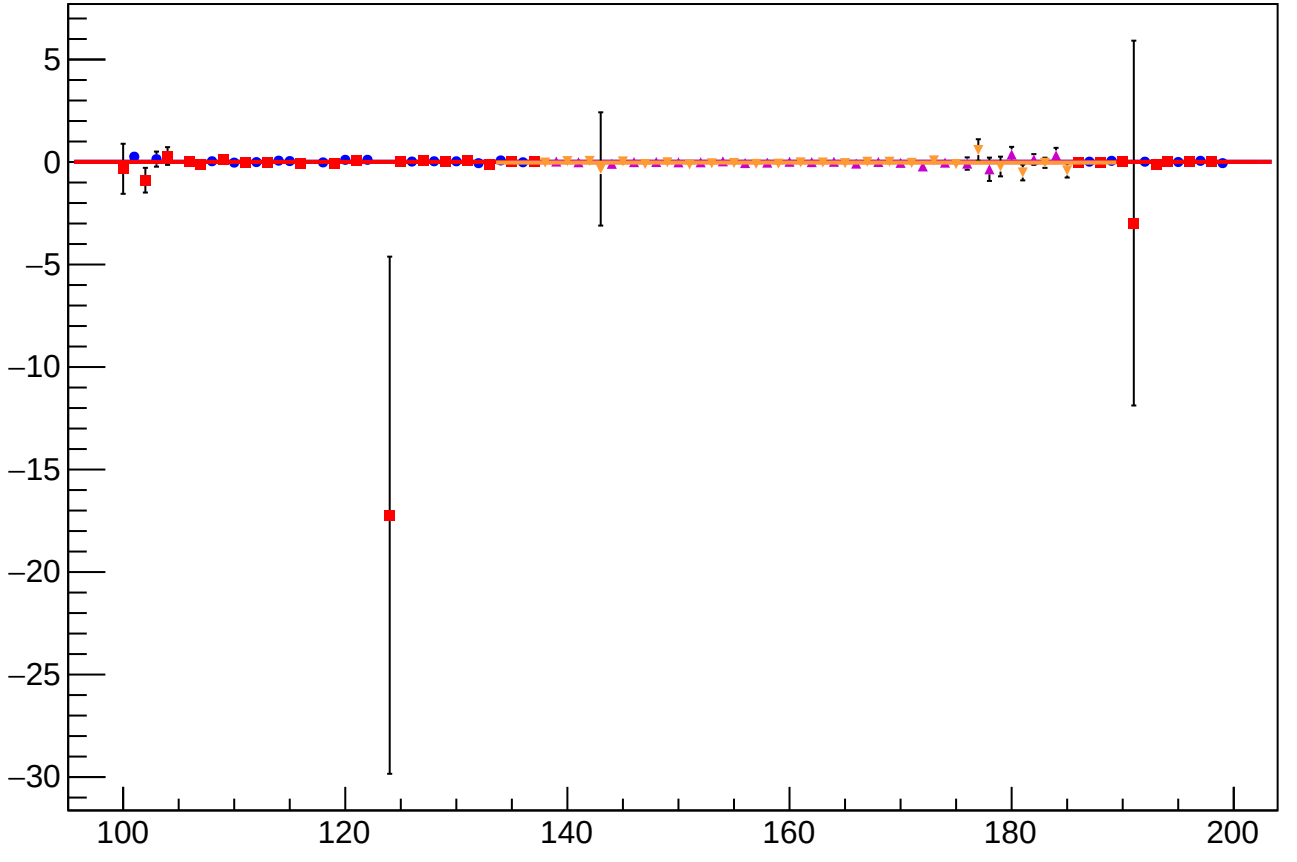
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.058+/-0.006 χ^2/NDF: 14938463.0/46

All: 34.911+/-0.004 χ^2/NDF: 28899639.0/96

- 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: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

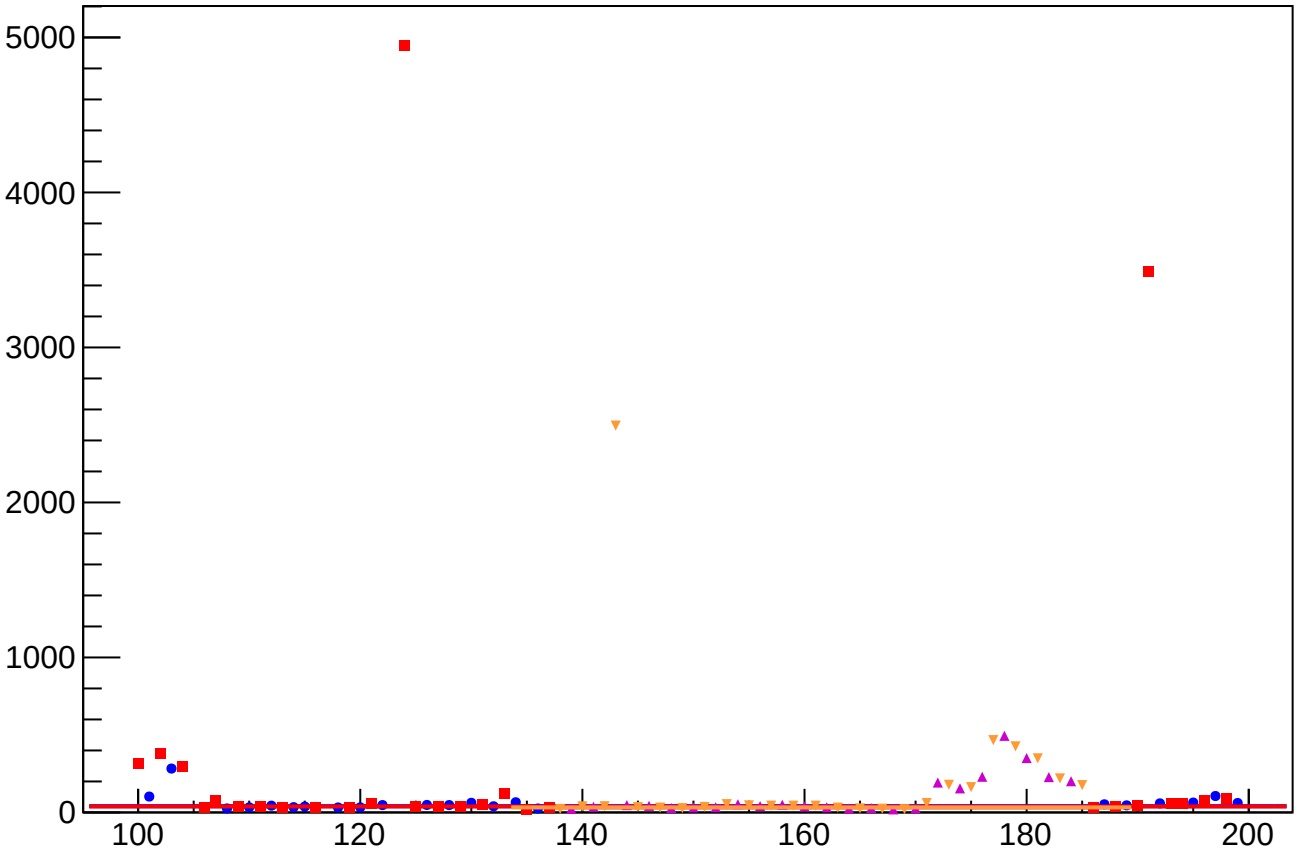
Right Out: 0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.8/46

All: -0.010+/-0.005 χ^2/NDF: 82.9/96

- sign -0.005+/-0.008 χ^2/NDF: 34.4/49



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

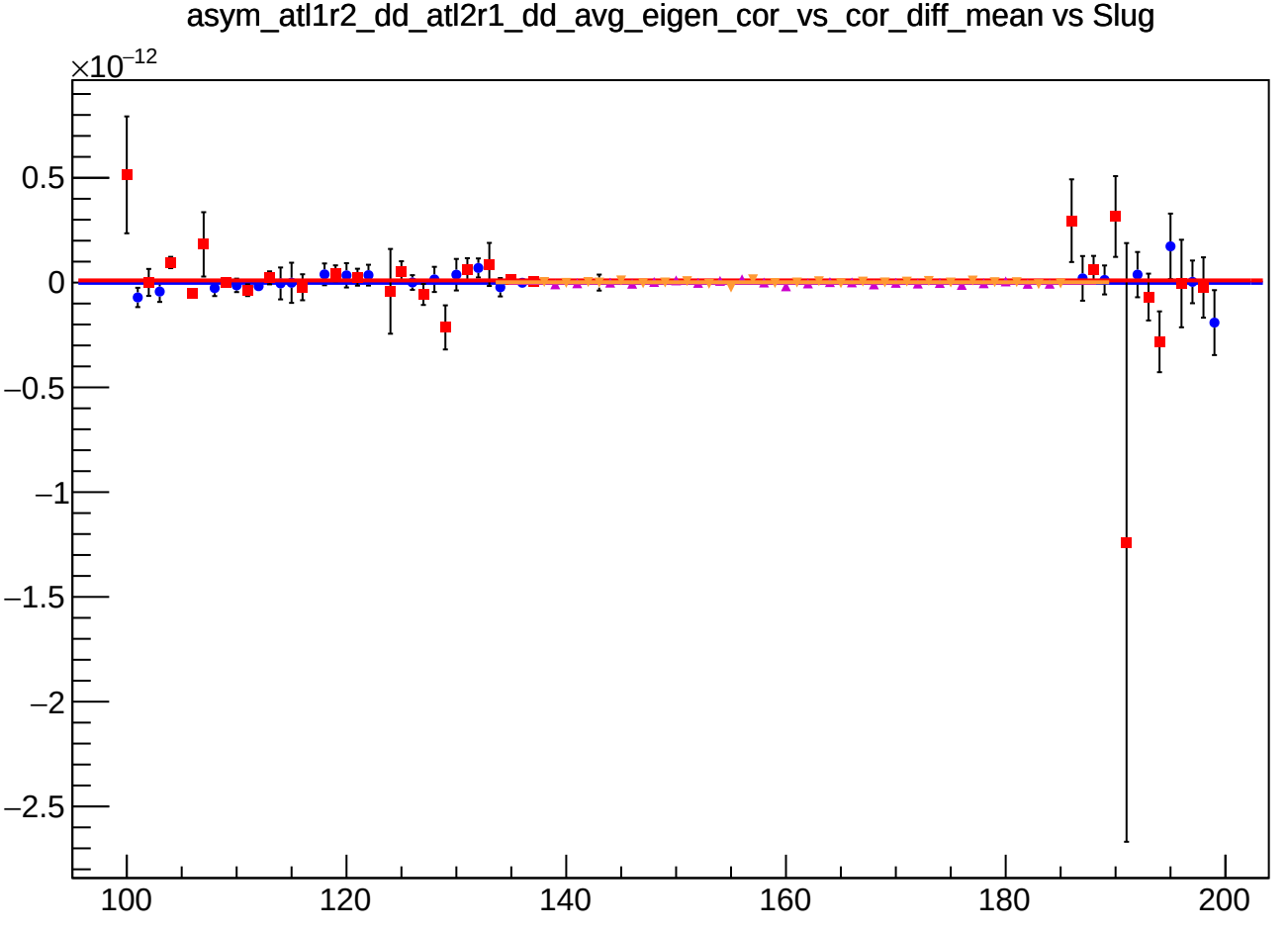
Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.058+/-0.006 χ^2/NDF: 14938463.0/46

All: 34.911+/-0.004 χ^2/NDF: 28899639.0/96

- sign 34.770+/-0.005 χ^2/NDF: 13959807.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

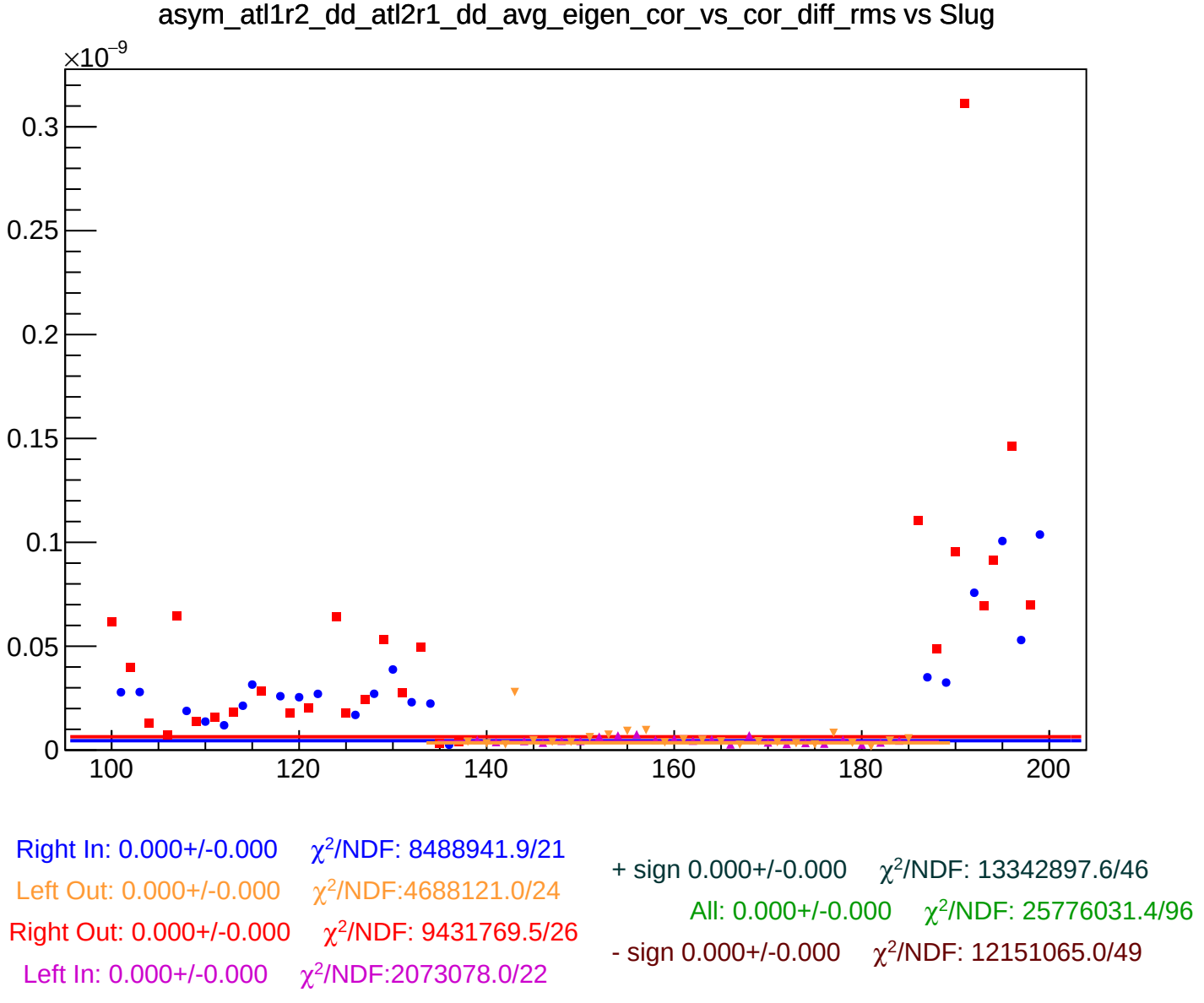
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/26

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

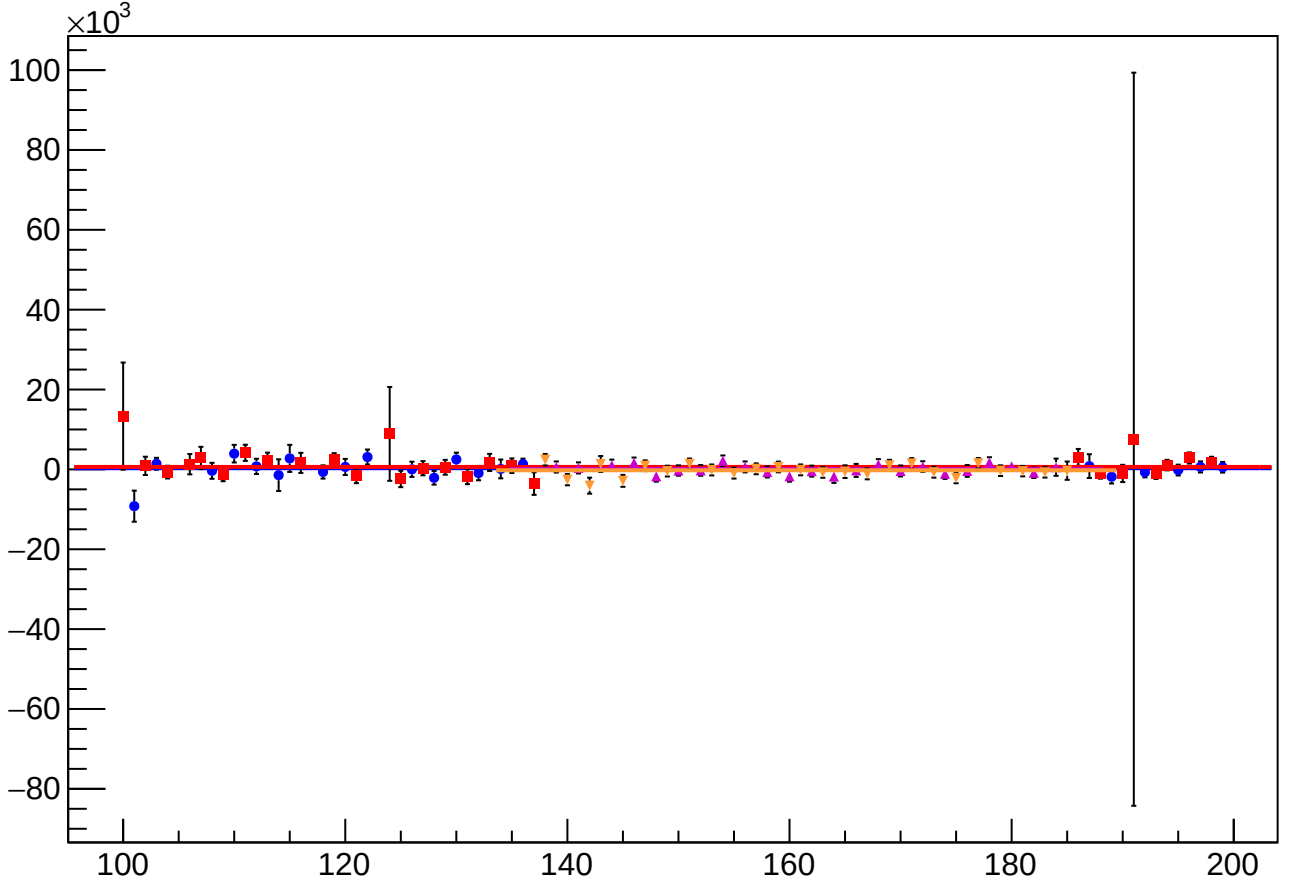
+ sign 0.000+/-0.000 χ^2/NDF: 30.2/46

All: 0.000+/-0.000 χ^2/NDF: 117.9/96

- 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: 8488941.9/21
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: 13342897.6/46
All: 0.000+/-0.000 χ²/NDF: 25776031.4/96
- sign 0.000+/-0.000 χ²/NDF: 12151065.0/49

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 299.198+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 615.579+/-367.279 χ^2/NDF: 24.8/26

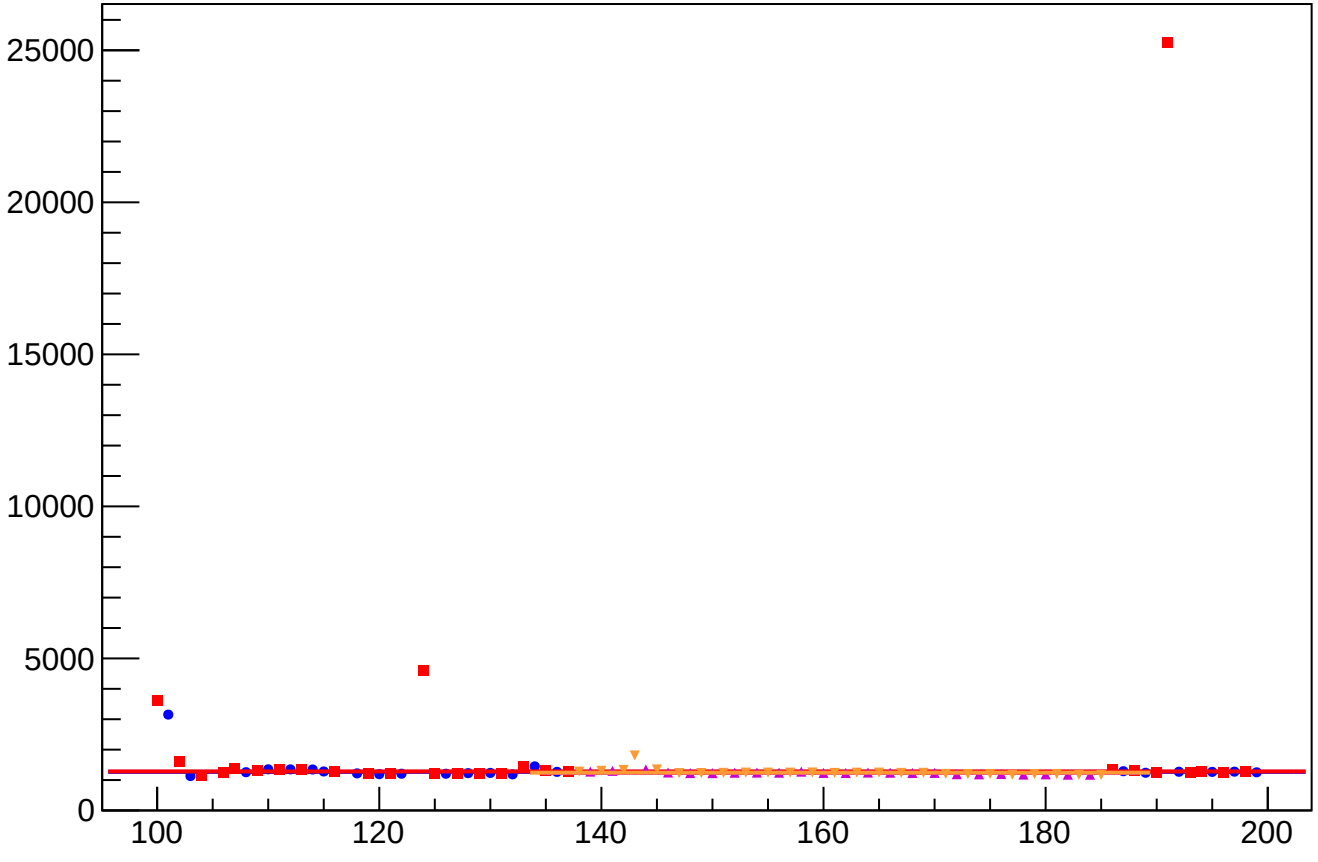
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -34.165+/-226.653 χ^2/NDF: 45.0/46

All: 128.753+/-160.298 χ^2/NDF: 86.7/96

- sign 291.793+/-226.738 χ^2/NDF: 40.7/49

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1269.854+/-0.268 χ^2/NDF: 520431.9/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

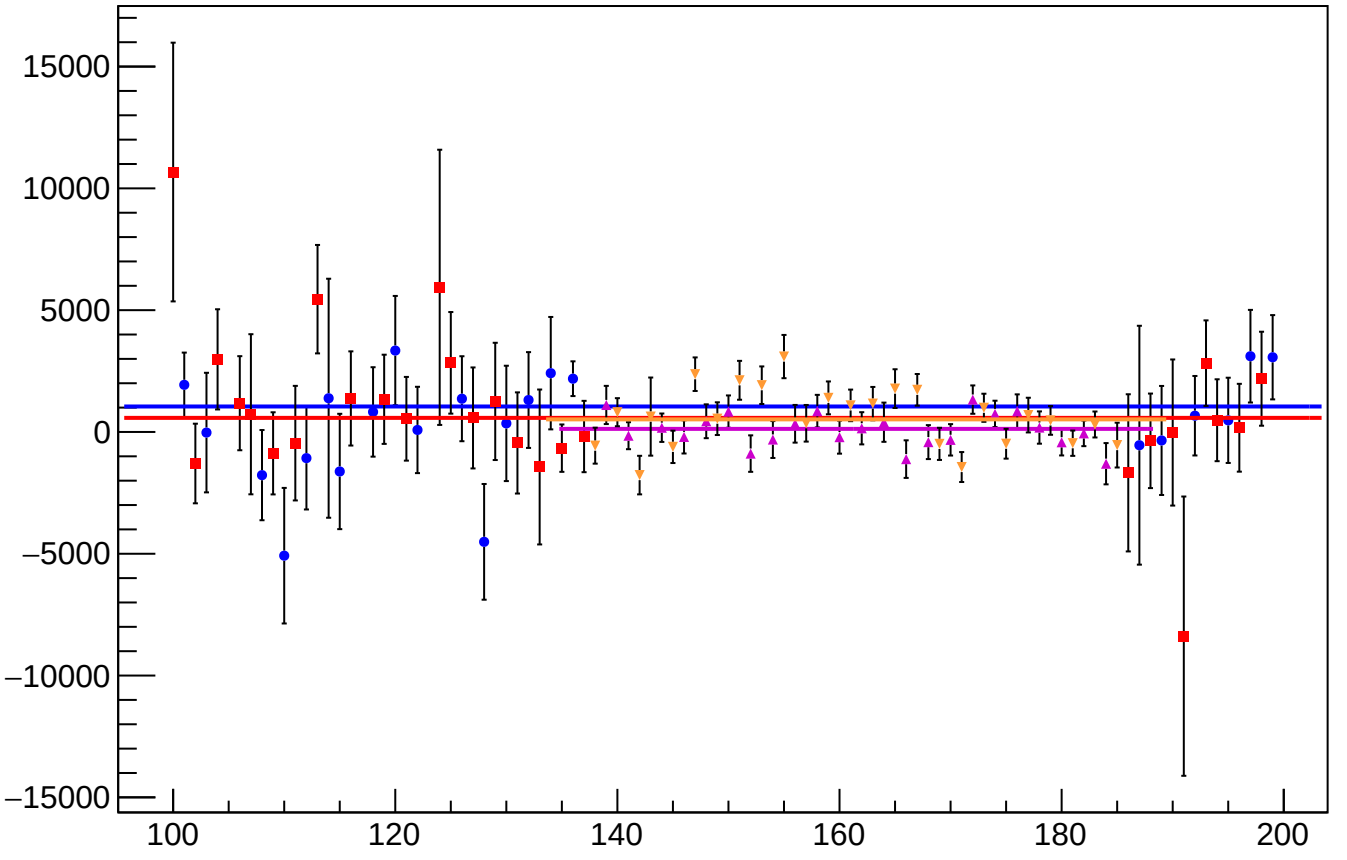
Right Out: 1282.613+/-0.260 χ^2/NDF: 468595.1/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.523+/-0.160 χ^2/NDF: 730274.6/46

All: 1252.449+/-0.113 χ^2/NDF: 1260058.2/96

- sign 1252.374+/-0.160 χ^2/NDF: 529783.2/49



Right In: 1045.806+/-376.119 χ^2/NDF: 23.2/21

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

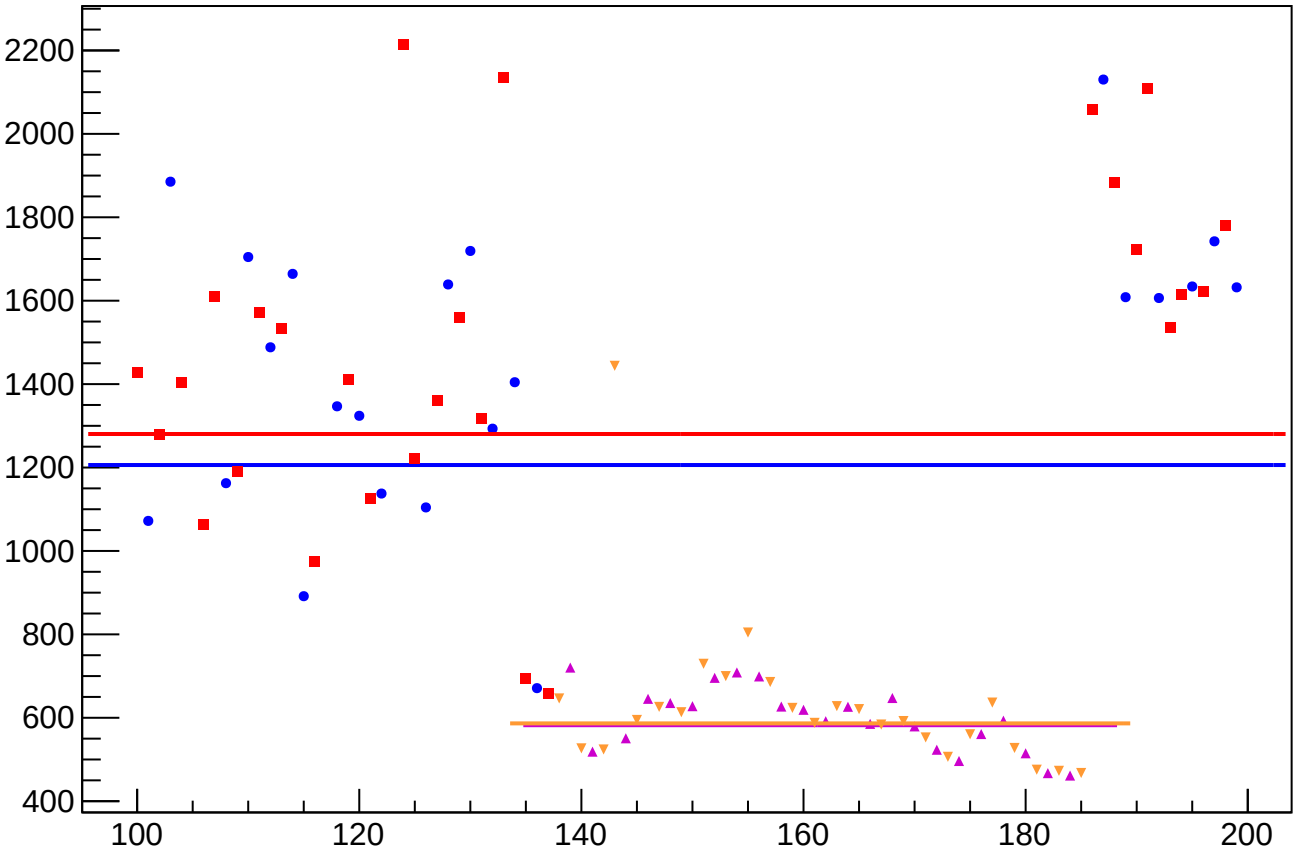
Right Out: 578.347+/-379.995 χ^2/NDF: 22.8/26

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 577.759+/-127.685 χ^2/NDF: 91.9/46

All: 380.439+/-90.783 χ^2/NDF: 142.3/96

\- sign 178.716+/-129.101 χ^2/NDF: 45.6/49



Right In: 1206.012+/-0.266 χ^2/NDF: 2316178.3/21

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

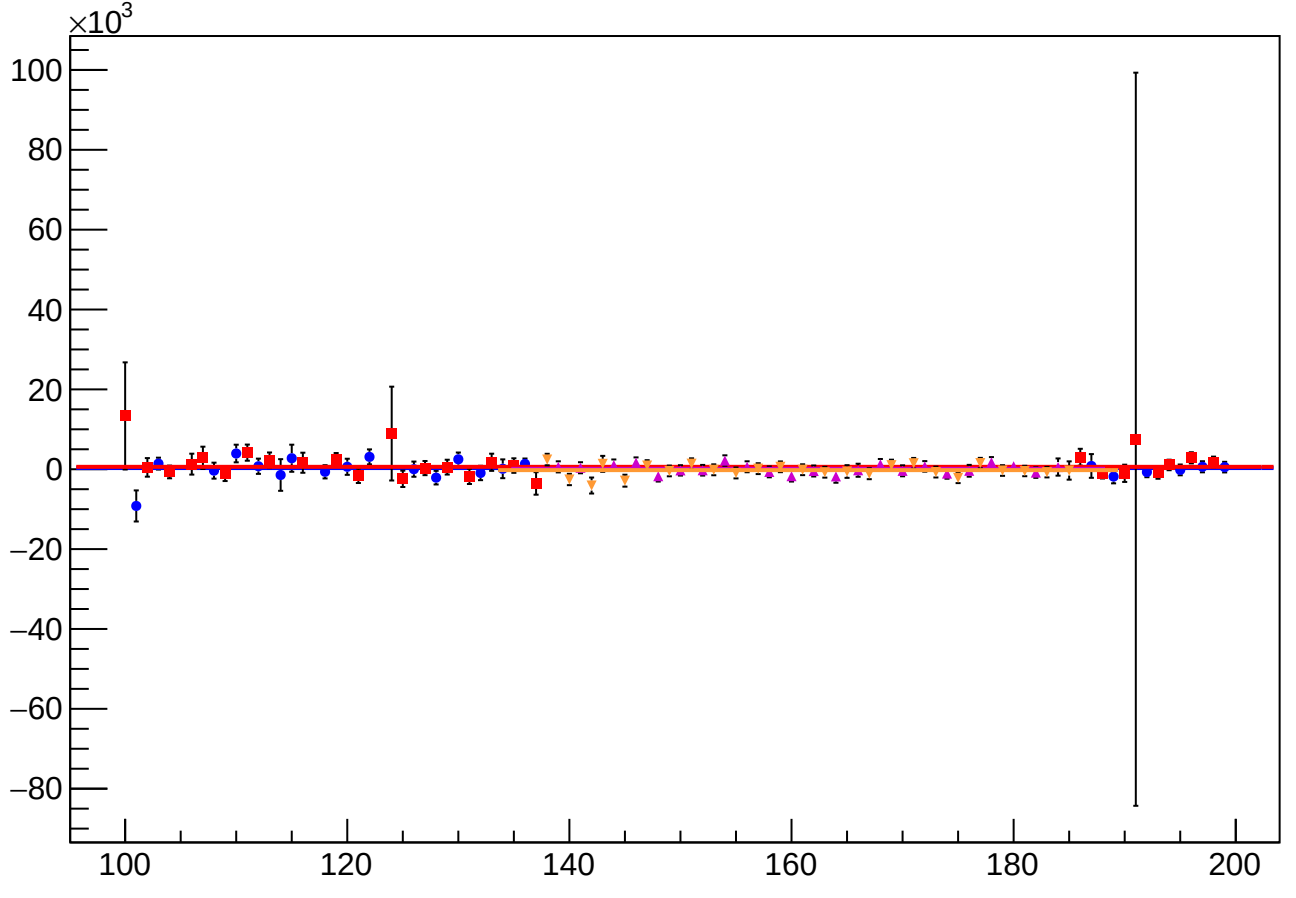
Right Out: 1280.399+/-0.269 χ^2/NDF: 2234342.5/26

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 657.947+/-0.090 χ^2/NDF: 8318874.5/46

All: 660.338+/-0.064 χ^2/NDF: 17086704.1/96

- sign 662.782+/-0.091 χ^2/NDF: 8766411.6/49



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 603.827+/-367.644 χ^2/NDF: 24.8/26

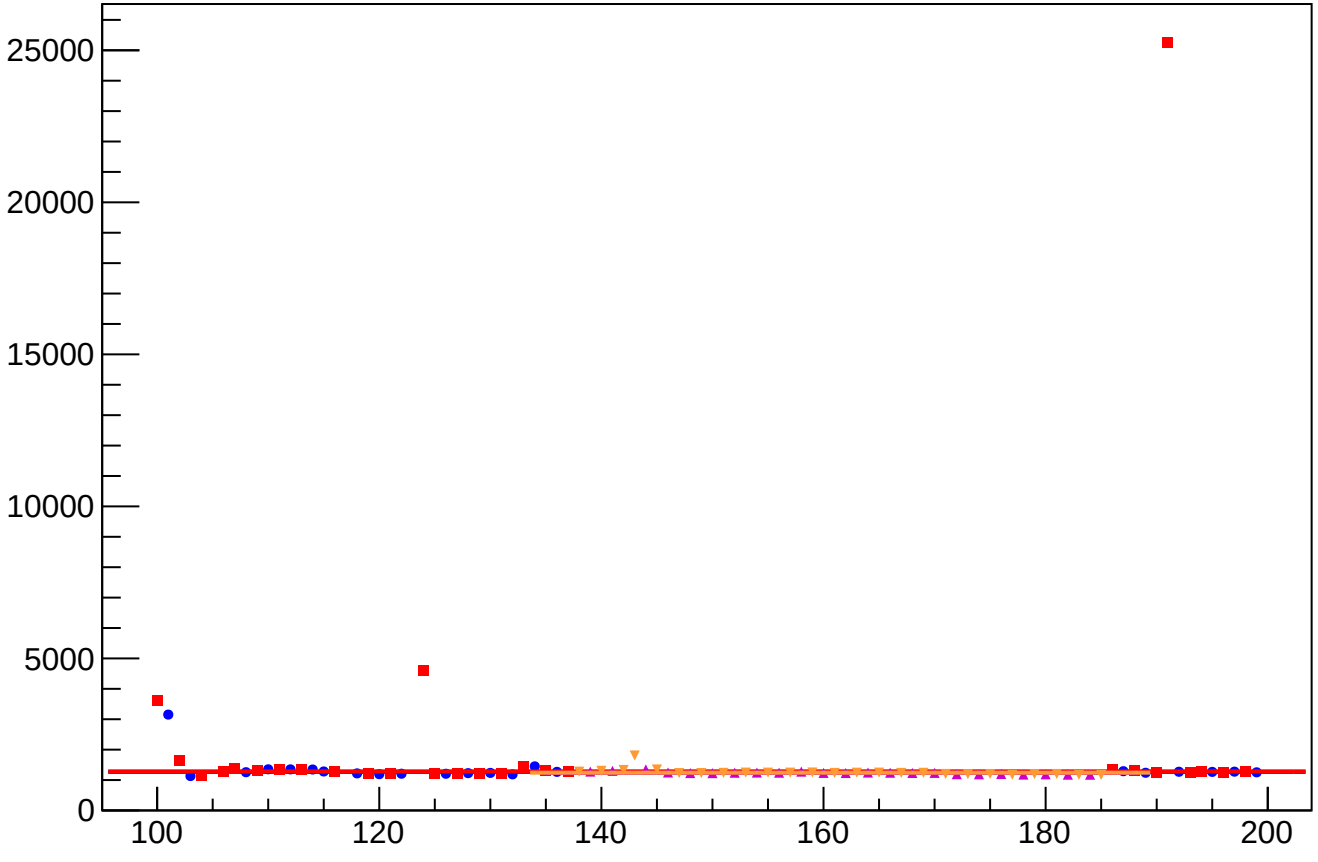
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -34.111+/-226.653 χ^2/NDF: 44.9/46

All: 126.382+/-160.328 χ^2/NDF: 86.6/96

- sign 287.118+/-226.824 χ^2/NDF: 40.6/49

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

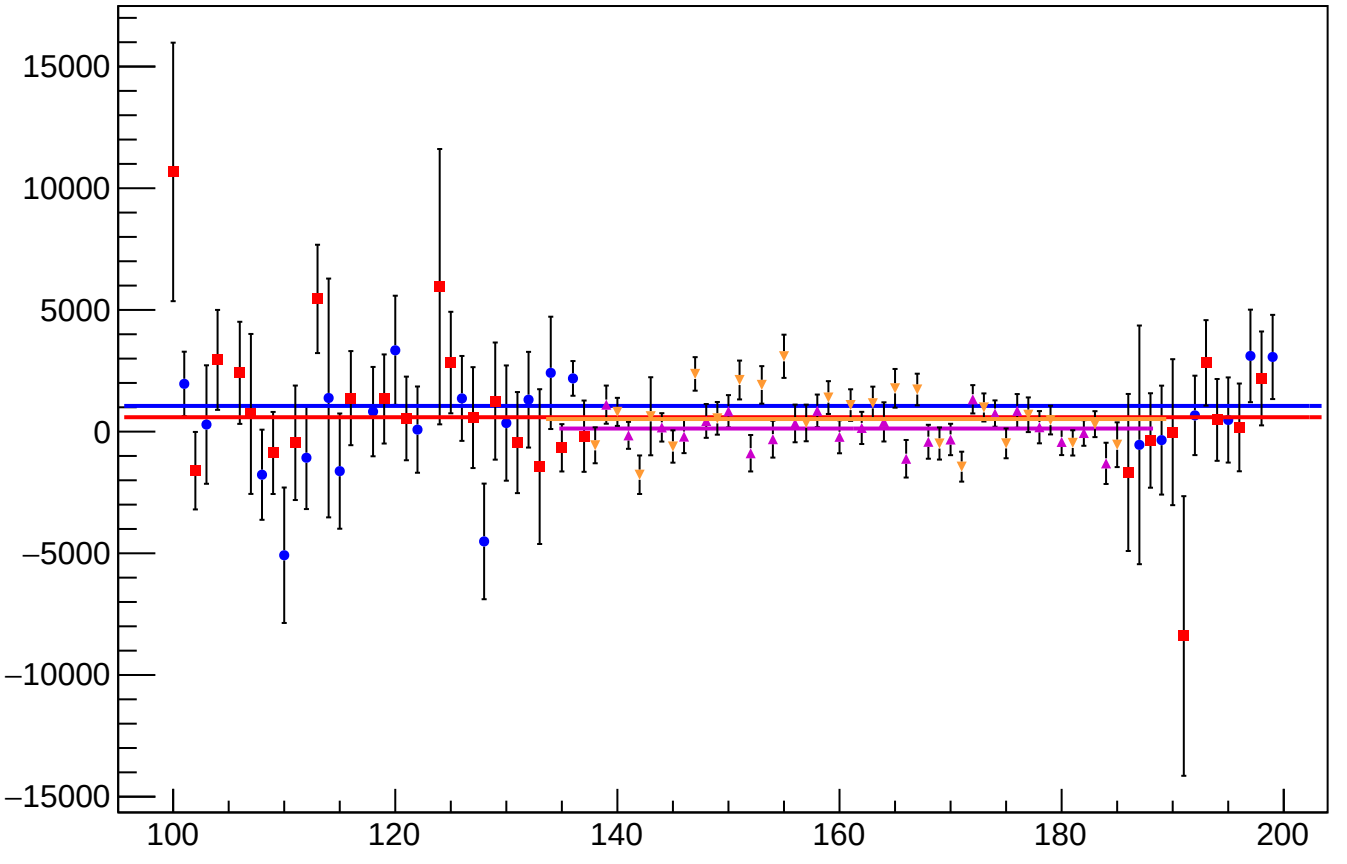
Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.523+/-0.160 χ^2/NDF: 730275.9/46

All: 1252.691+/-0.113 χ^2/NDF: 1267912.6/96

- sign 1252.860+/-0.160 χ^2/NDF: 537634.5/49



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

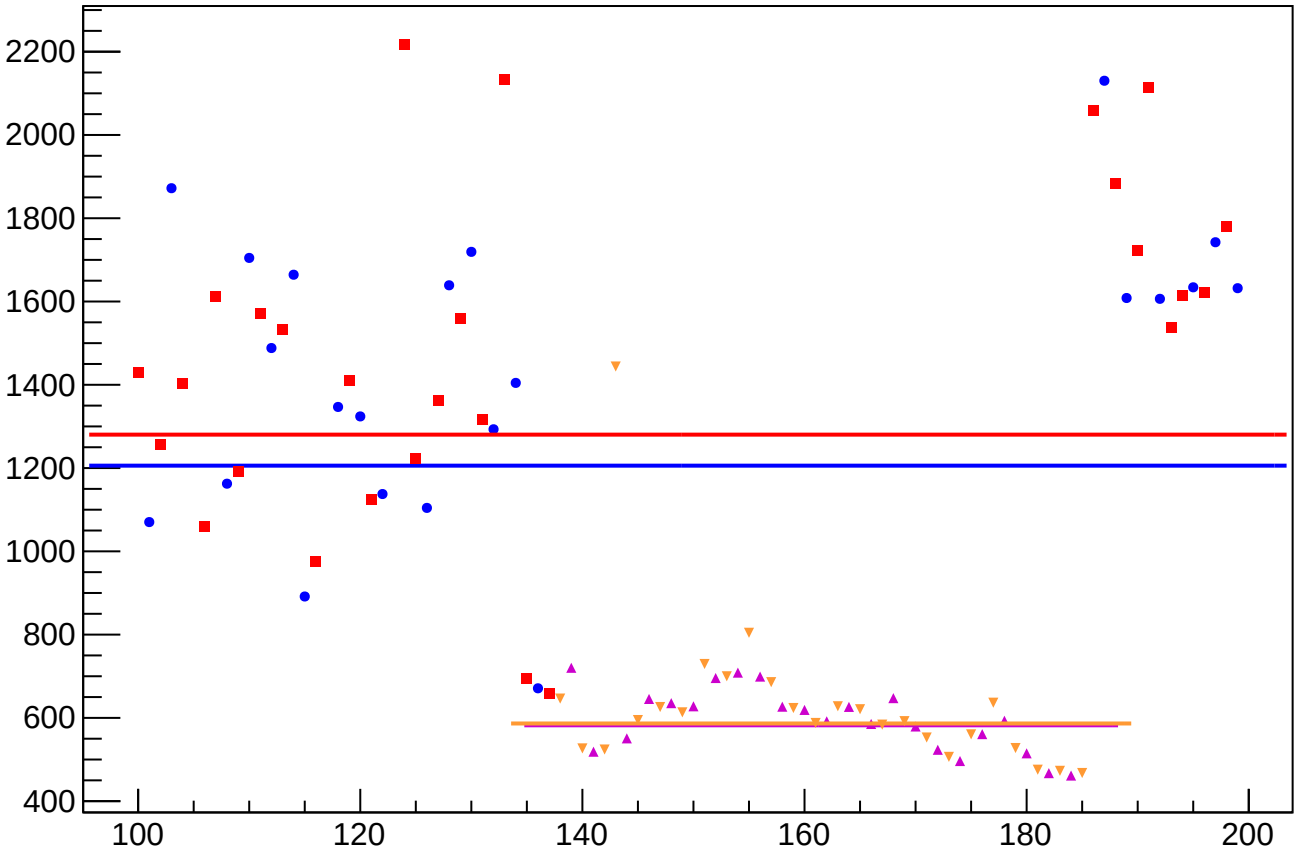
Right Out: 591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 578.918+/-127.681 χ^2/NDF: 91.9/46

All: 381.735+/-90.789 χ^2/NDF: 143.6/96

\- sign 180.073+/-129.123 χ^2/NDF: 46.9/49



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

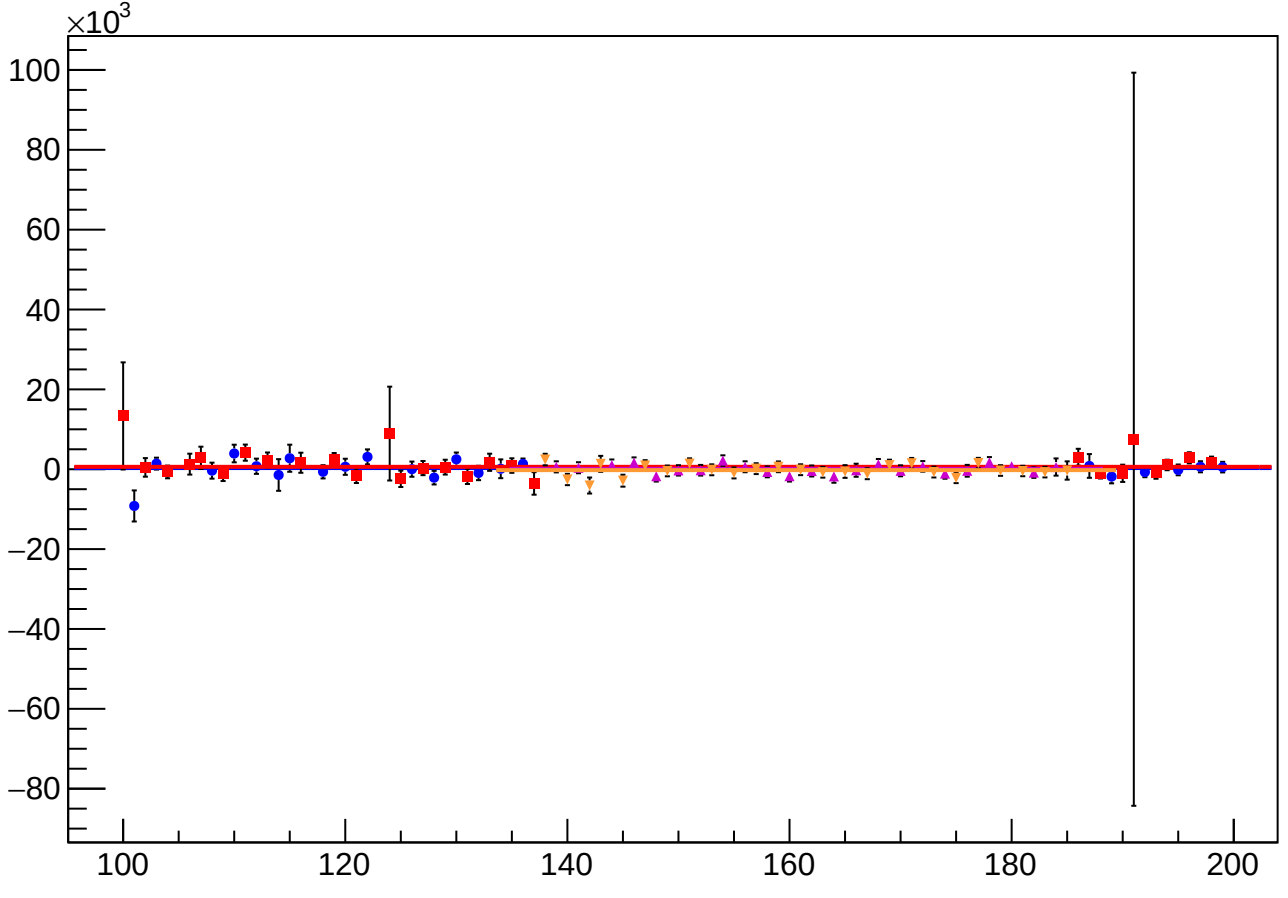
Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 657.967+/-0.090 χ^2/NDF: 8315060.4/46

All: 660.237+/-0.064 χ^2/NDF: 17063045.8/96

- sign 662.560+/-0.091 χ^2/NDF: 8746705.8/49



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 603.827+/-367.644 χ^2/NDF: 24.8/26

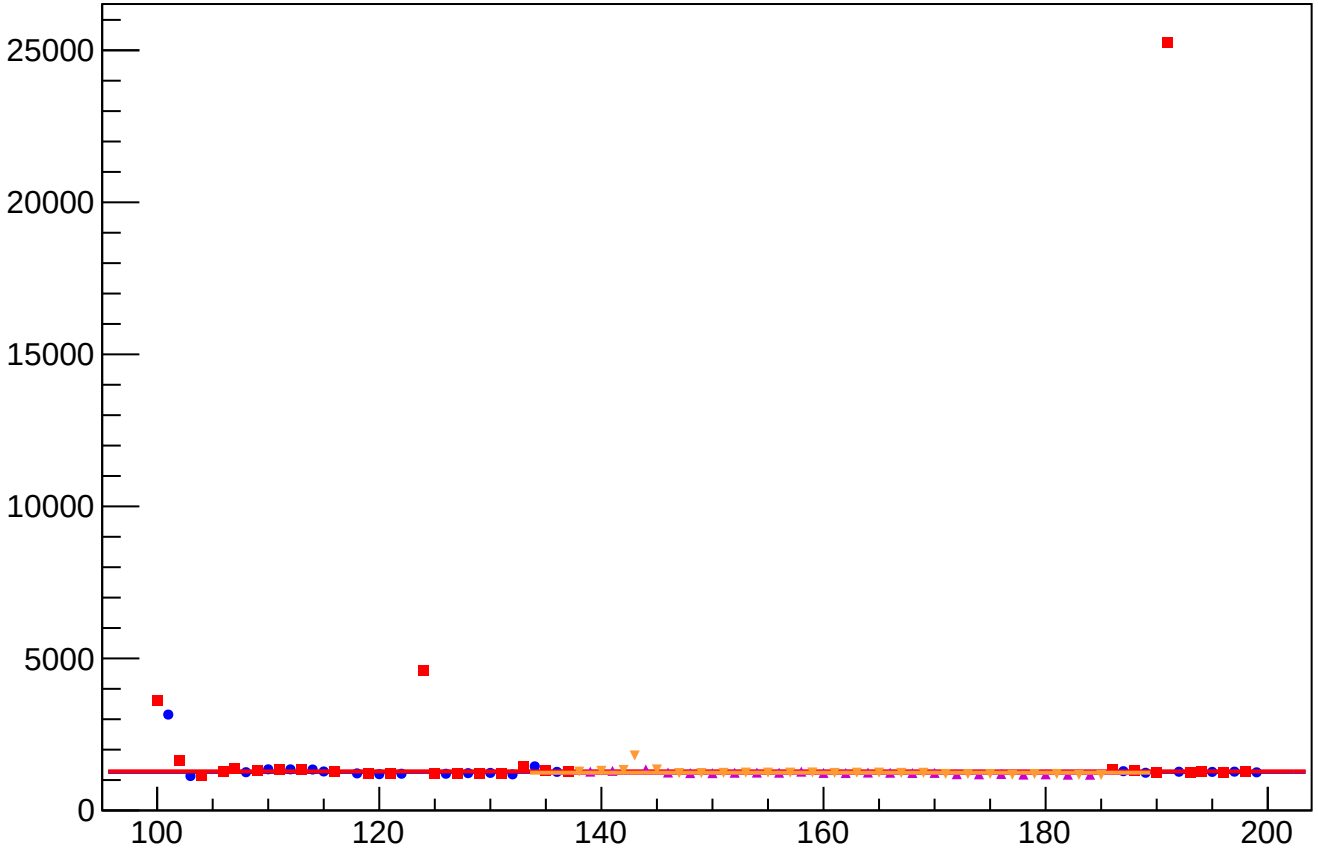
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -34.111+/-226.653 χ^2/NDF: 44.9/46

All: 126.382+/-160.328 χ^2/NDF: 86.6/96

- sign 287.118+/-226.824 χ^2/NDF: 40.6/49

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

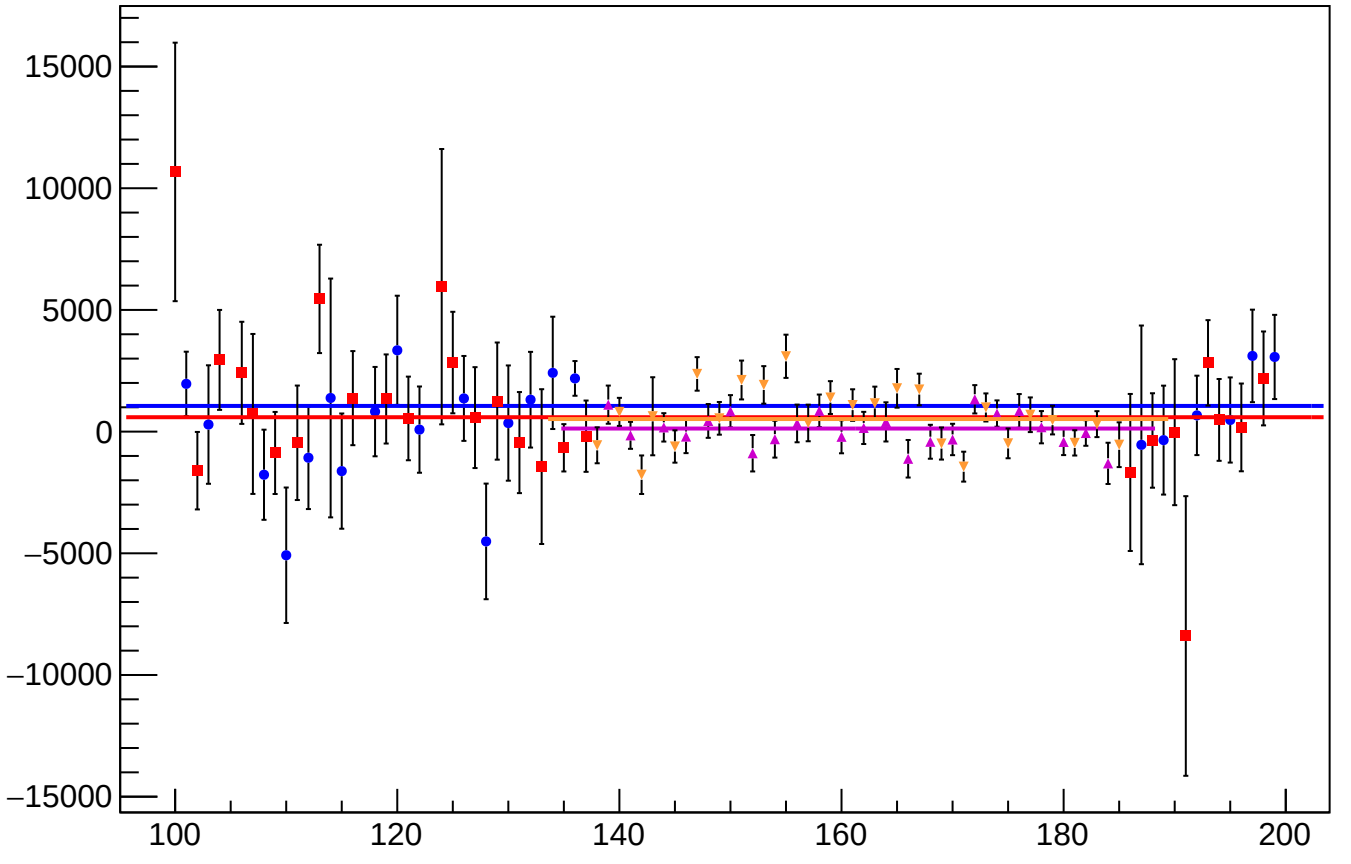
Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.523+/-0.160 χ^2/NDF: 730275.9/46

All: 1252.691+/-0.113 χ^2/NDF: 1267912.6/96

- sign 1252.860+/-0.160 χ^2/NDF: 537634.5/49



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

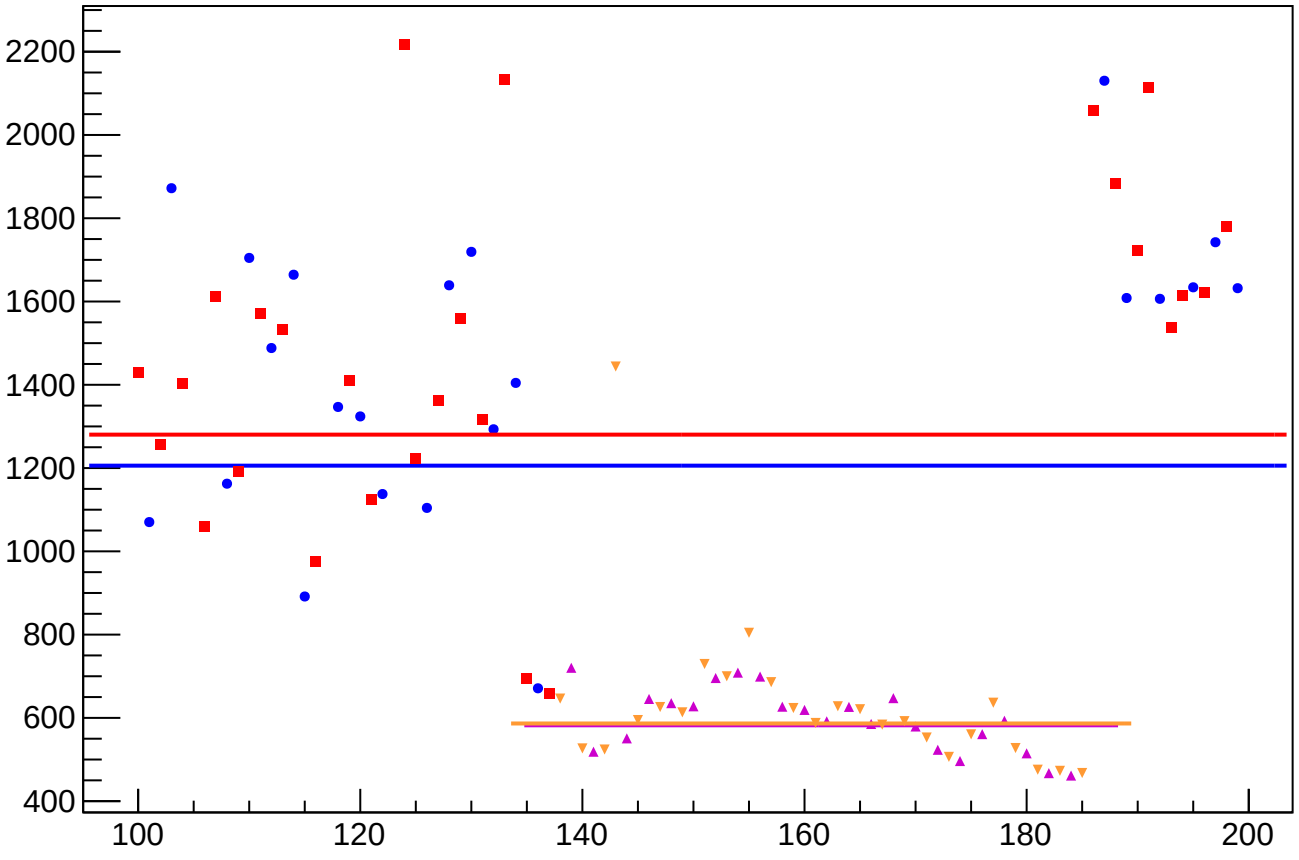
Right Out: 591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 578.918+/-127.681 χ^2/NDF: 91.9/46

All: 381.735+/-90.789 χ^2/NDF: 143.6/96

\- sign 180.073+/-129.123 χ^2/NDF: 46.9/49



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

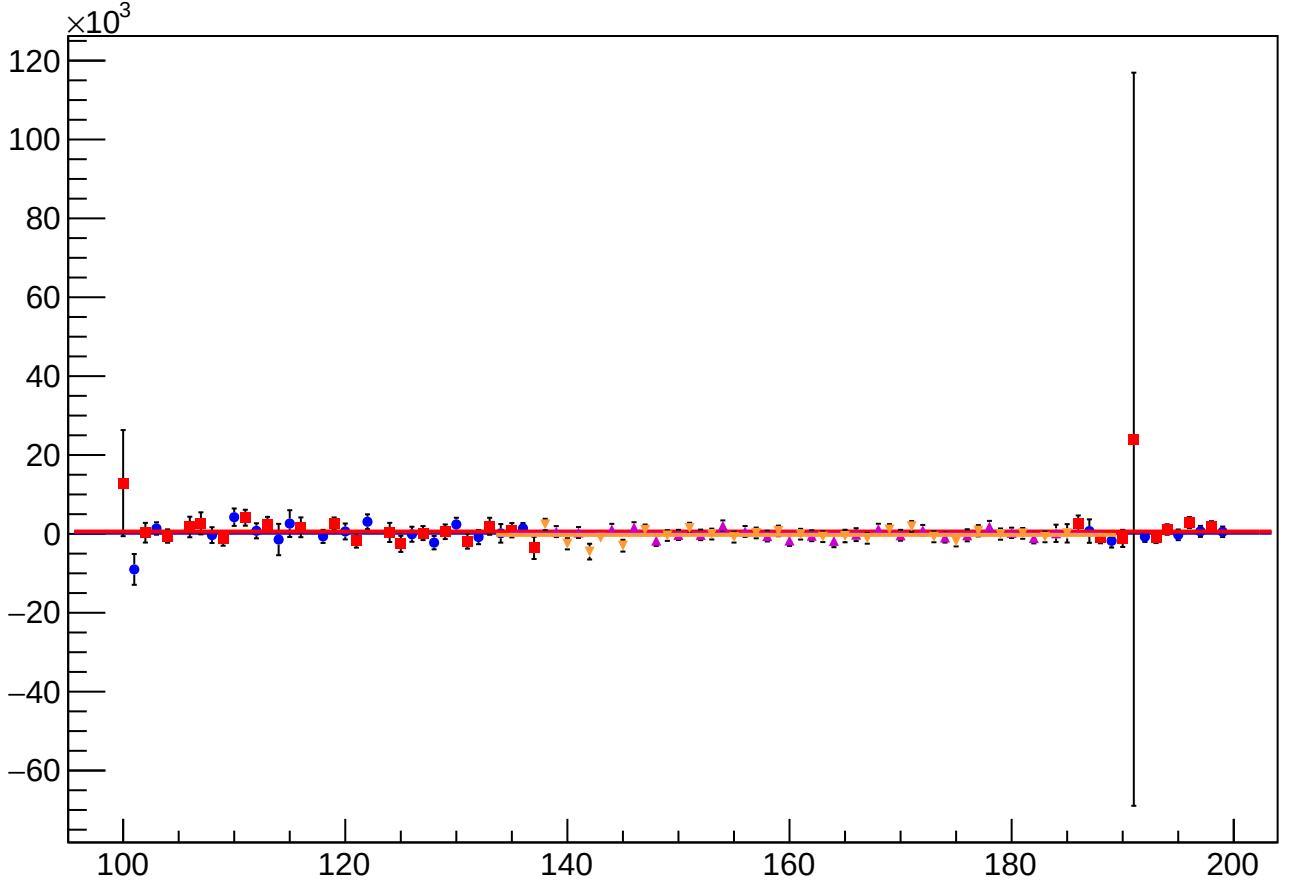
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 657.967+/-0.090 χ^2/NDF: 8315060.4/46

All: 660.237+/-0.064 χ^2/NDF: 17063045.8/96

- sign 662.560+/-0.091 χ^2/NDF: 8746705.8/49

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 292.883+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 598.470+/-366.000 χ^2/NDF: 24.4/26

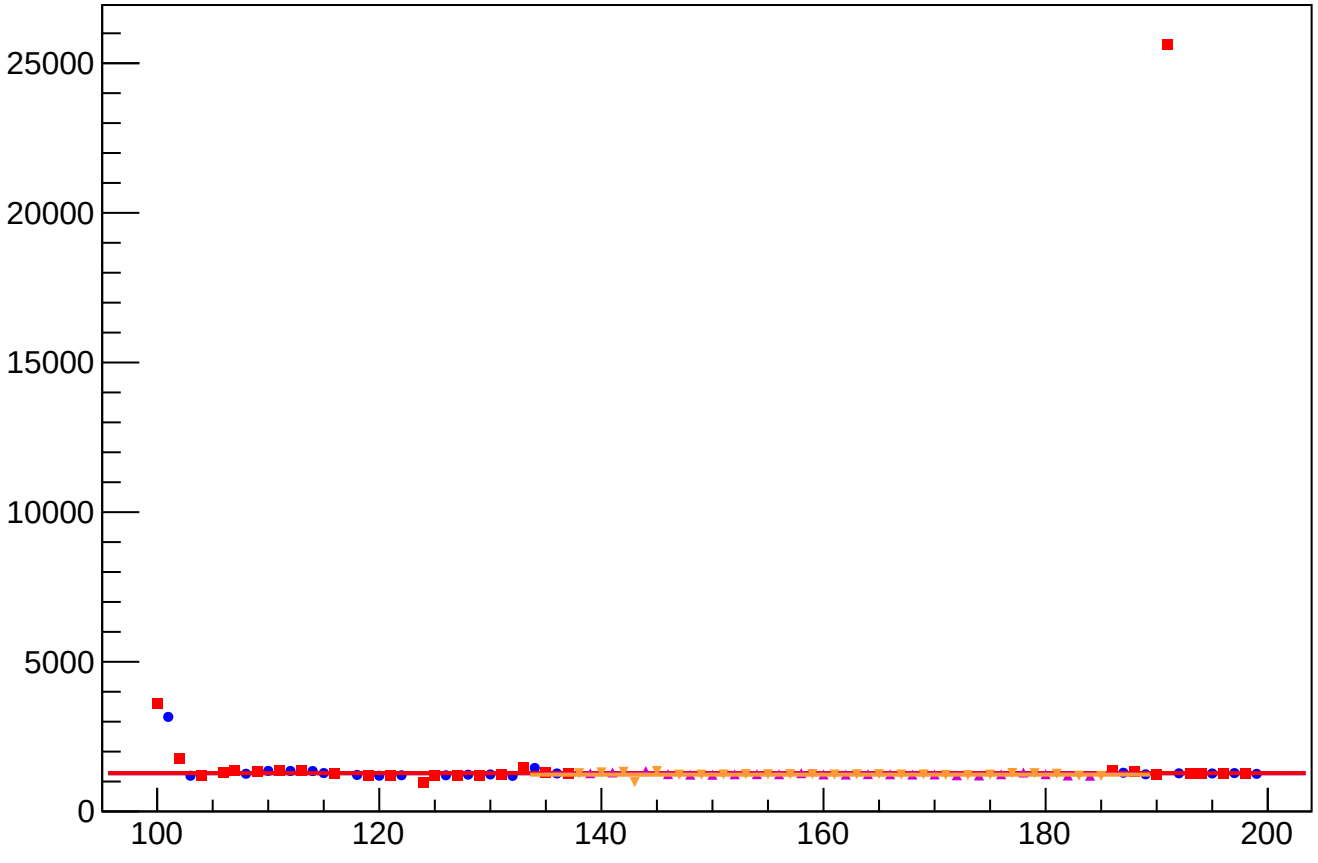
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -59.660+/-225.399 χ^2/NDF: 45.2/46

All: 107.267+/-160.292 χ^2/NDF: 85.9/96

- sign 278.065+/-227.998 χ^2/NDF: 39.6/49

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.0/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

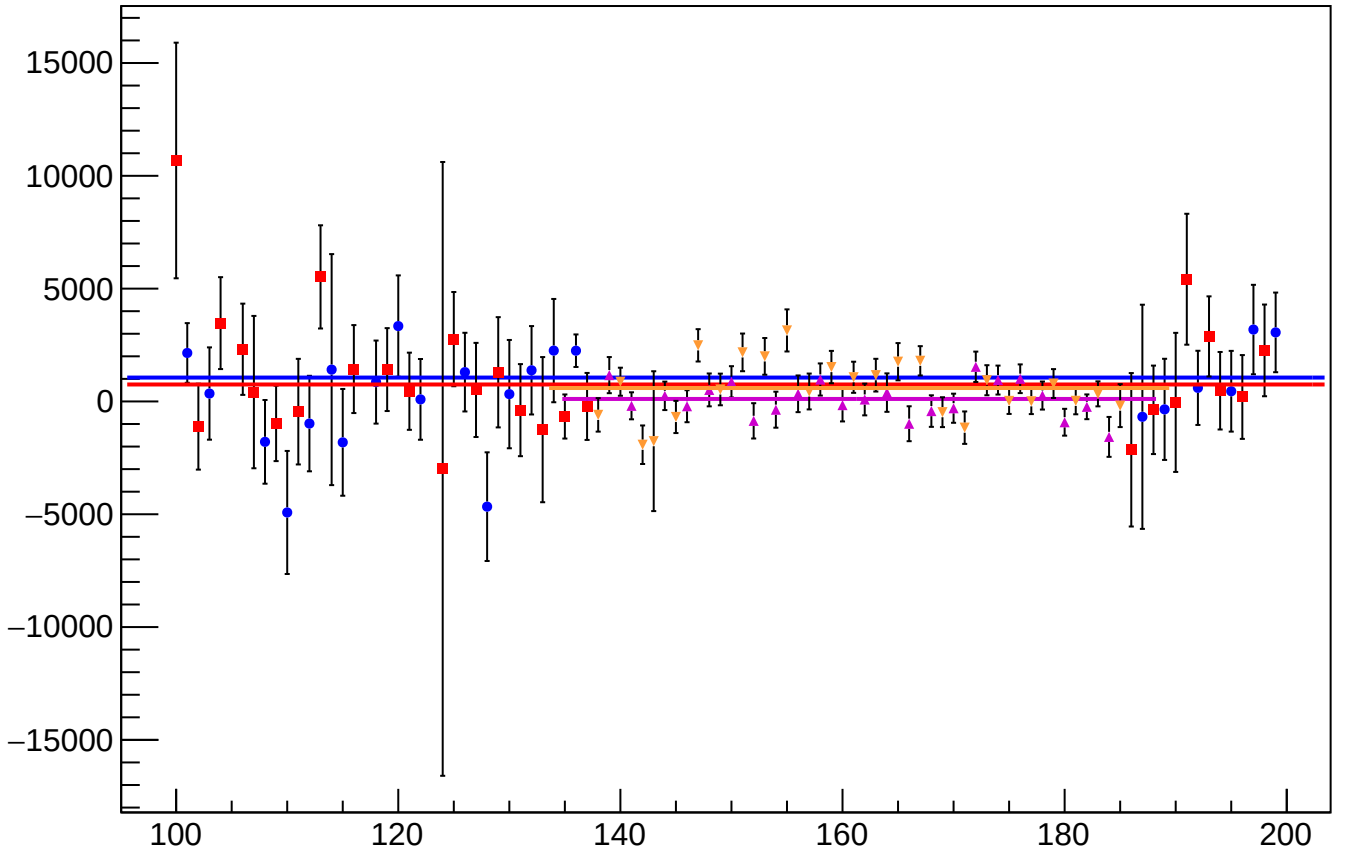
Right Out: 1280.724+/-0.259 χ^2/NDF: 368645.8/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.161+/-0.159 χ^2/NDF: 669349.1/46

All: 1253.282+/-0.113 χ^2/NDF: 1079286.1/96

- sign 1260.567+/-0.161 χ^2/NDF: 405899.1/49



Right In: 1058.125+/-377.211 χ^2/NDF: 23.6/21

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

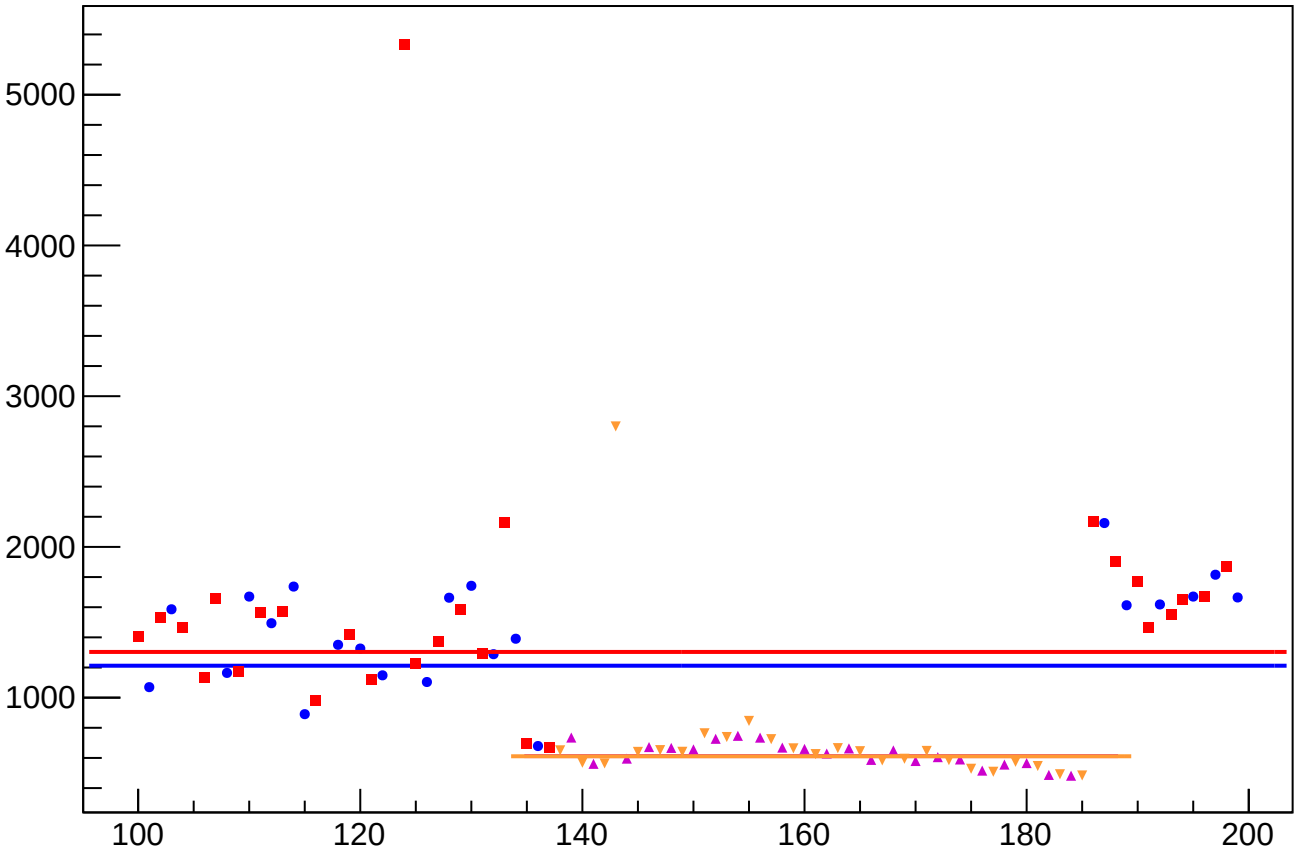
Right Out: 751.626+/-384.991 χ^2/NDF: 23.0/26

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 652.577+/-133.002 χ^2/NDF: 82.3/46

All: 424.450+/-94.768 χ^2/NDF: 139.4/96

- sign 189.192+/-135.065 χ^2/NDF: 51.2/49



Right In: 1211.853+/-0.267 χ^2/NDF: 2250247.7/21

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1303.250+/-0.272 χ^2/NDF: 2433704.8/26

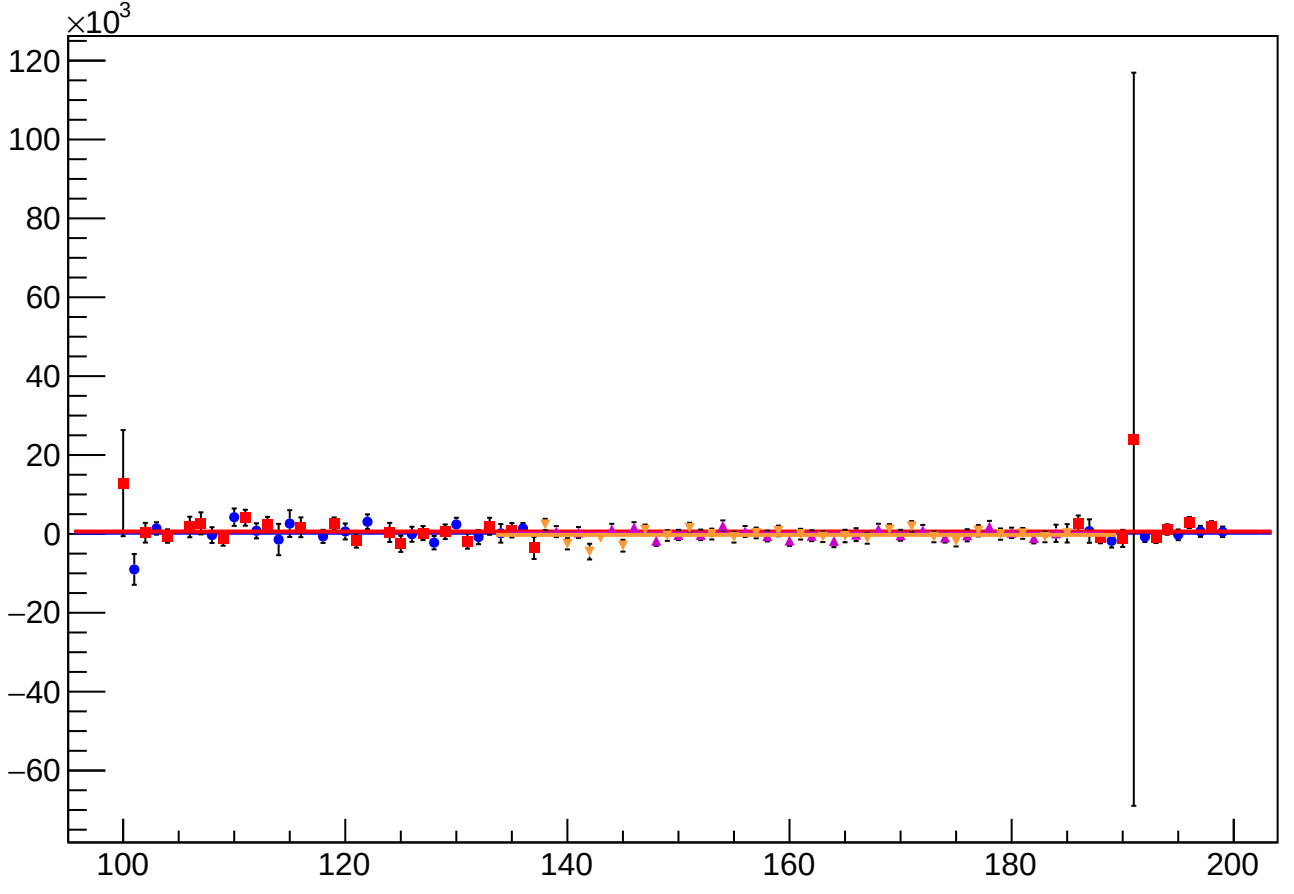
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 685.775+/-0.094 χ^2/NDF: 8311959.7/46

All: 691.512+/-0.067 χ^2/NDF: 16909342.3/96

- sign 697.428+/-0.096 χ^2/NDF: 8589824.5/49

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 292.885+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 598.470+/-366.000 χ^2/NDF: 24.4/26

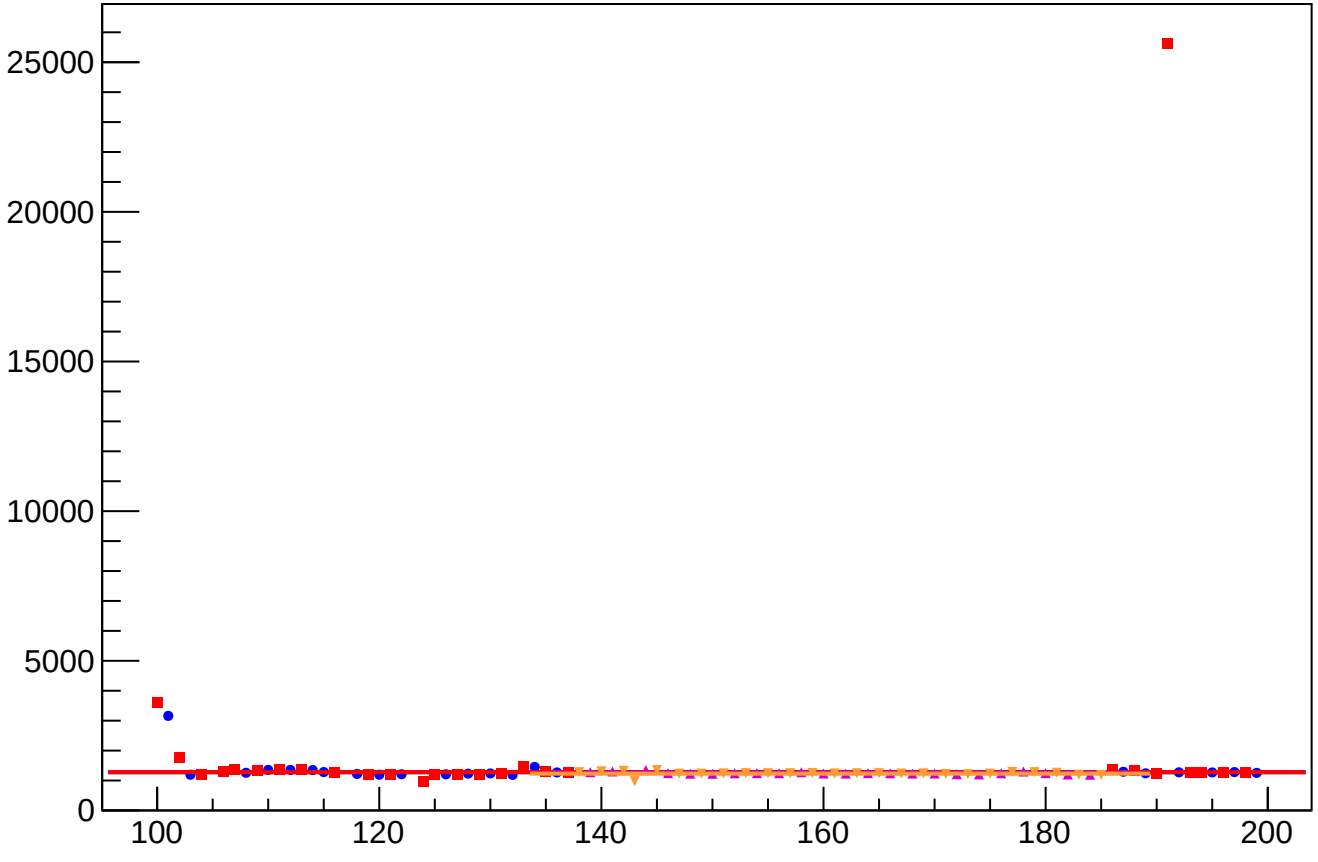
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -59.661+/-225.399 χ^2/NDF: 45.2/46

All: 107.267+/-160.292 χ^2/NDF: 85.9/96

- sign 278.065+/-227.998 χ^2/NDF: 39.6/49

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.1/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

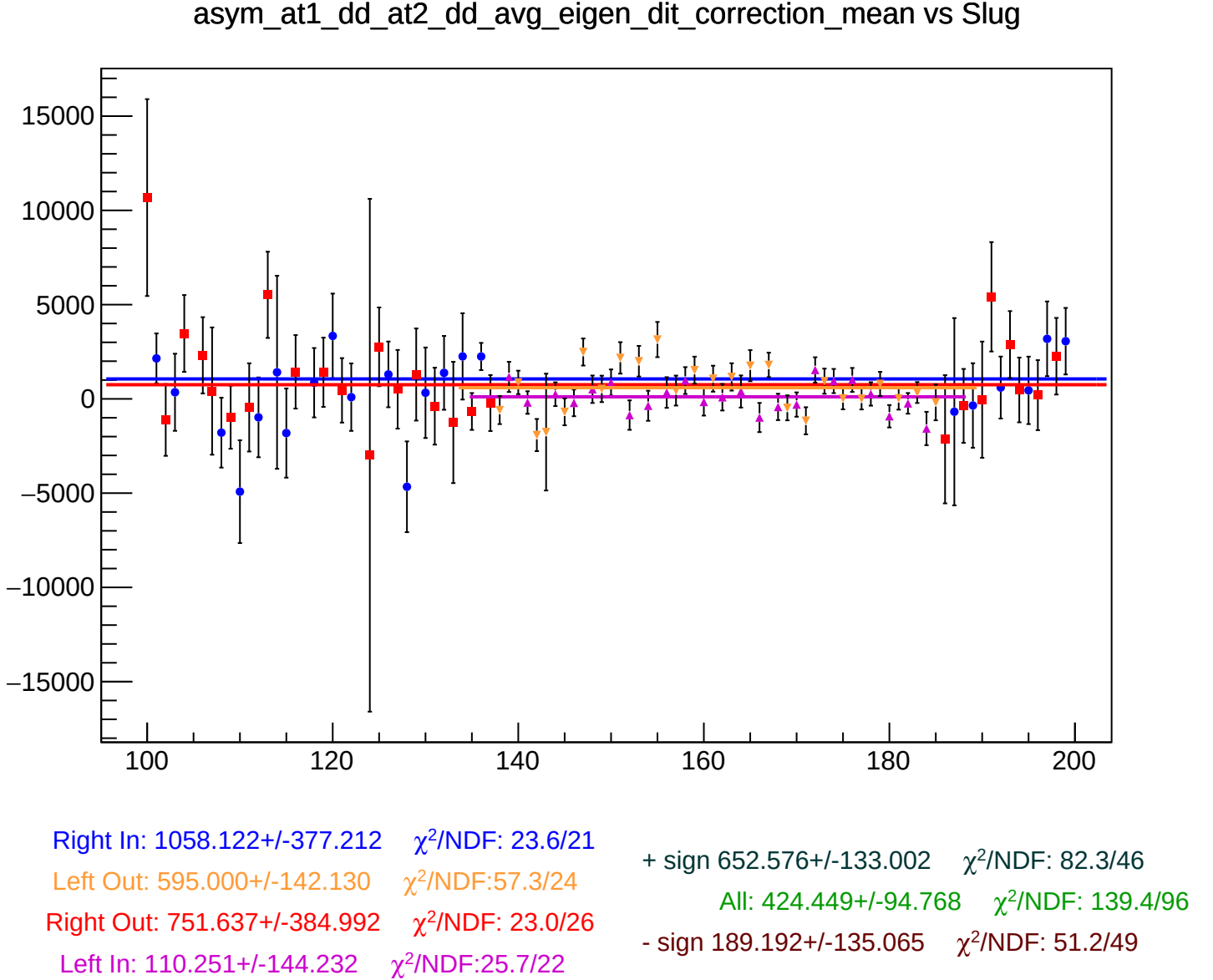
Right Out: 1280.723+/-0.259 χ^2/NDF: 368645.7/26

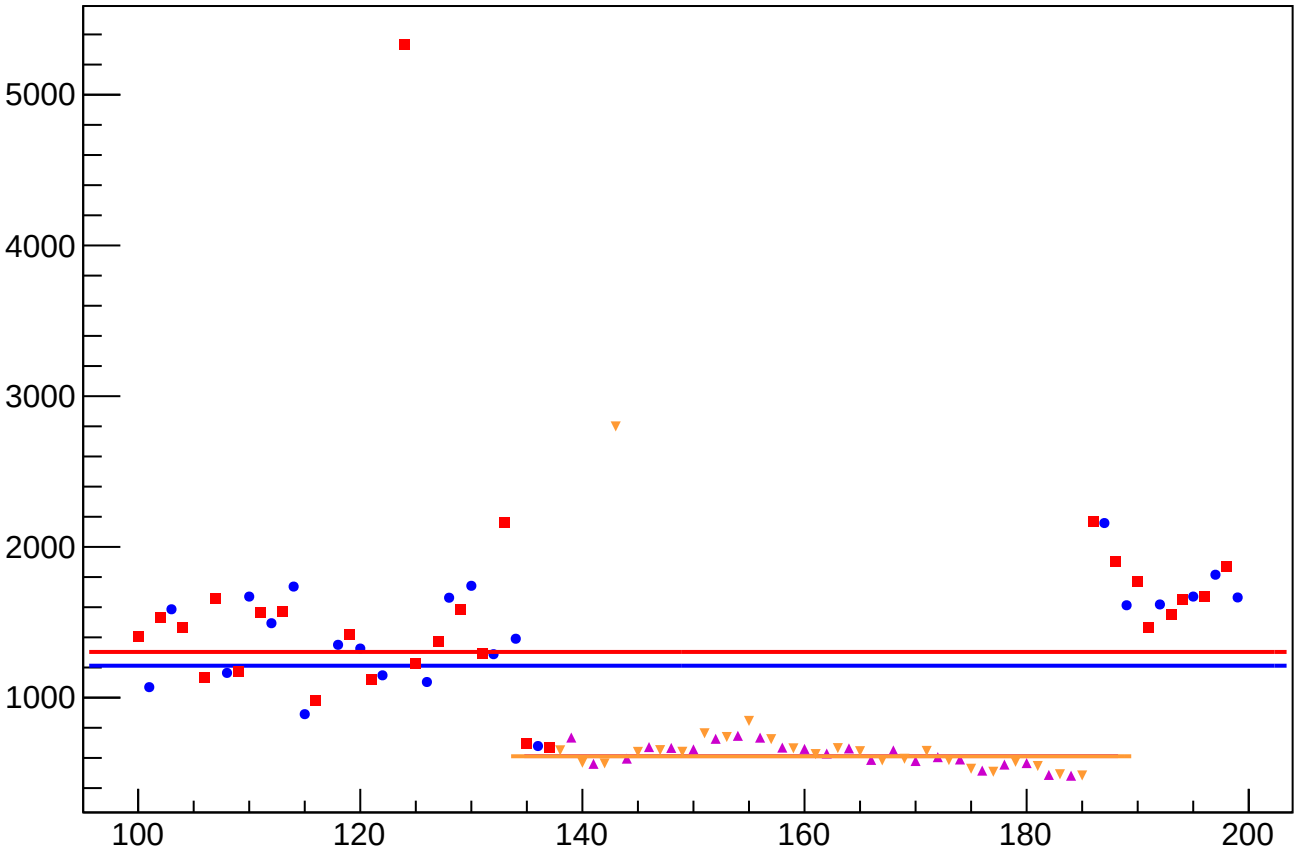
Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.161+/-0.159 χ^2/NDF: 669348.2/46

All: 1253.282+/-0.113 χ^2/NDF: 1079285.1/96

- 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: 1058.122+/-377.212 χ²/NDF: 23.6/21
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 652.576+/-133.002 χ²/NDF: 82.3/46
All: 424.449+/-94.768 χ²/NDF: 139.4/96
- sign 189.192+/-135.065 χ²/NDF: 51.2/49



Right In: 1211.859+/-0.267 χ^2/NDF: 2250169.1/21

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1303.256+/-0.272 χ^2/NDF: 2433626.0/26

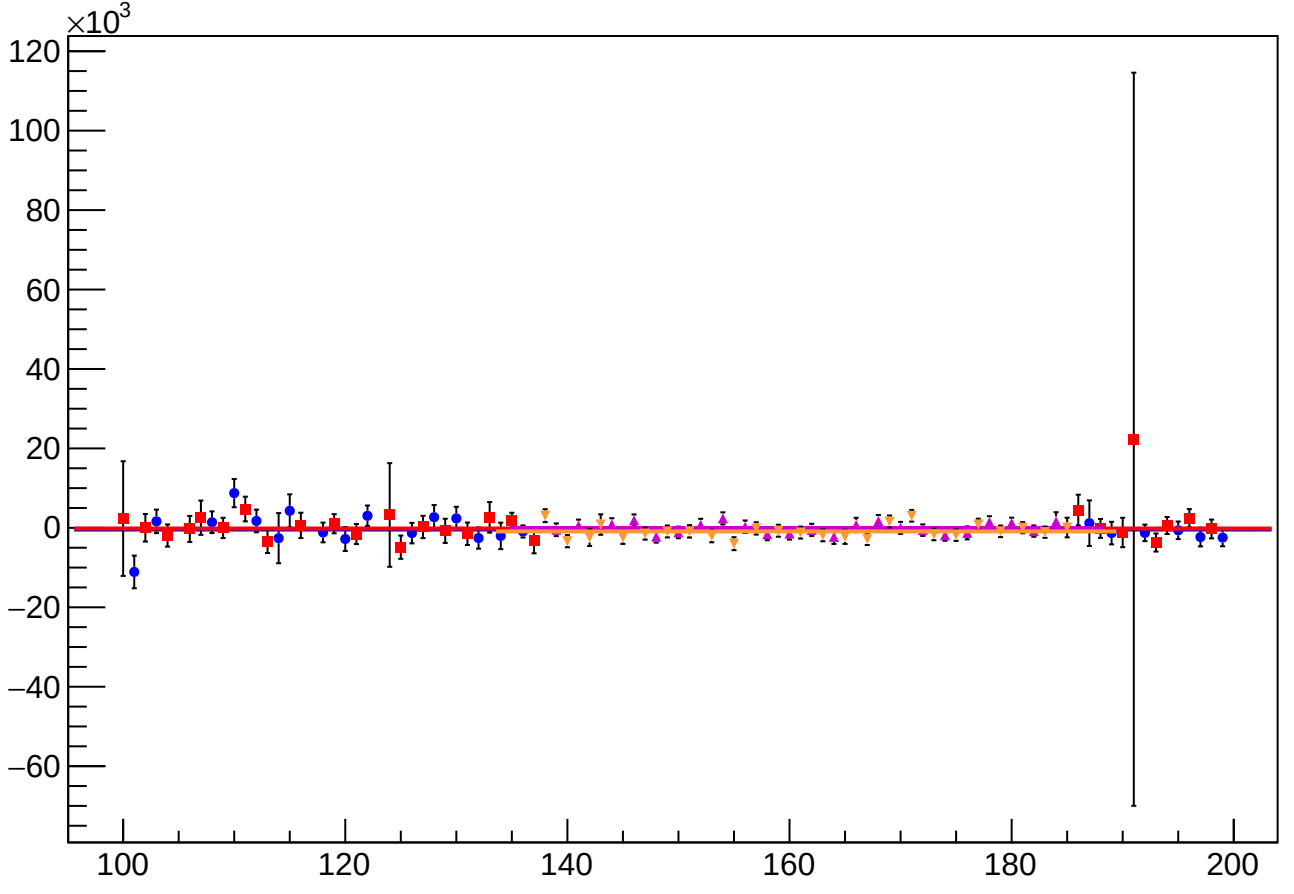
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

\+ sign 685.775+/-0.094 χ^2/NDF: 8311945.1/46

All: 691.512+/-0.067 χ^2/NDF: 16909332.8/96

\- sign 697.428+/-0.096 χ^2/NDF: 8589830.3/49

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -419.068+/-575.072 χ^2/NDF: 23.7/21

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -164.802+/-564.435 χ^2/NDF: 15.7/26

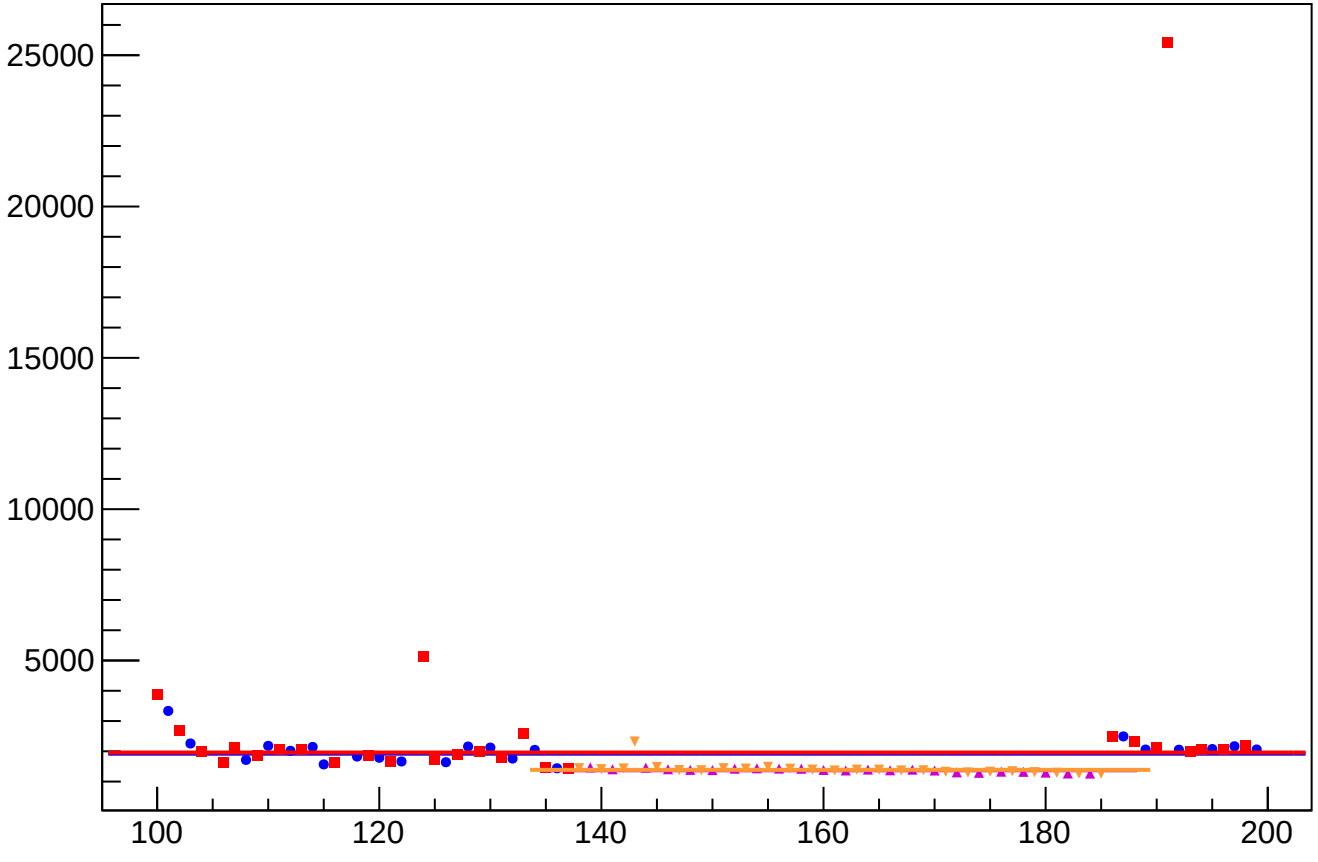
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -788.138+/-277.245 χ^2/NDF: 54.1/46

All: -434.630+/-196.654 χ^2/NDF: 91.0/96

- sign -76.670+/-278.985 χ^2/NDF: 33.6/49

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1921.514+/-0.407 χ^2/NDF: 656023.6/21

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

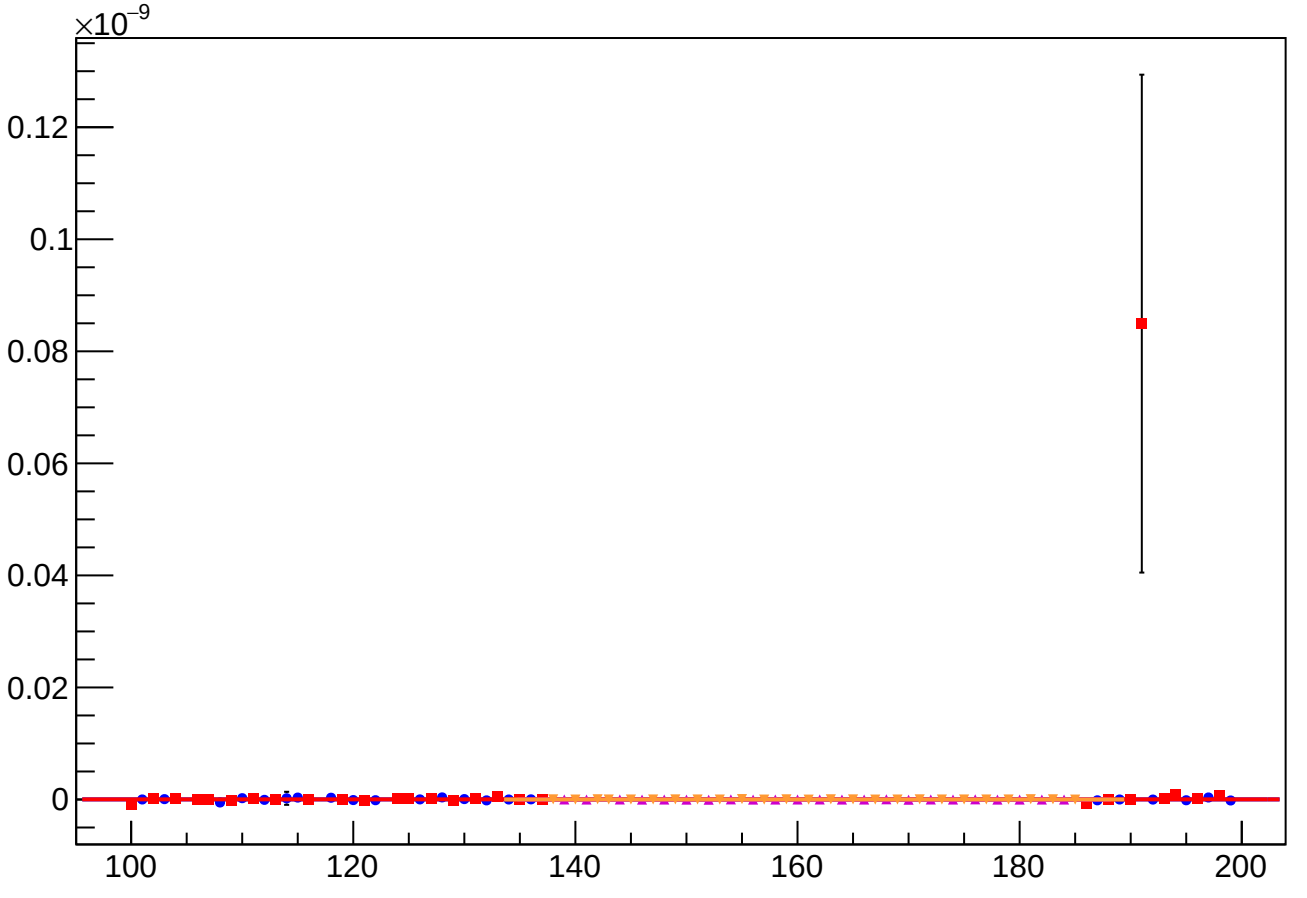
Right Out: 1959.803+/-0.399 χ^2/NDF: 809243.5/26

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1511.116+/-0.196 χ^2/NDF: 2322838.3/46

All: 1513.803+/-0.139 χ^2/NDF: 4829290.2/96

- sign 1516.525+/-0.197 χ^2/NDF: 2506073.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

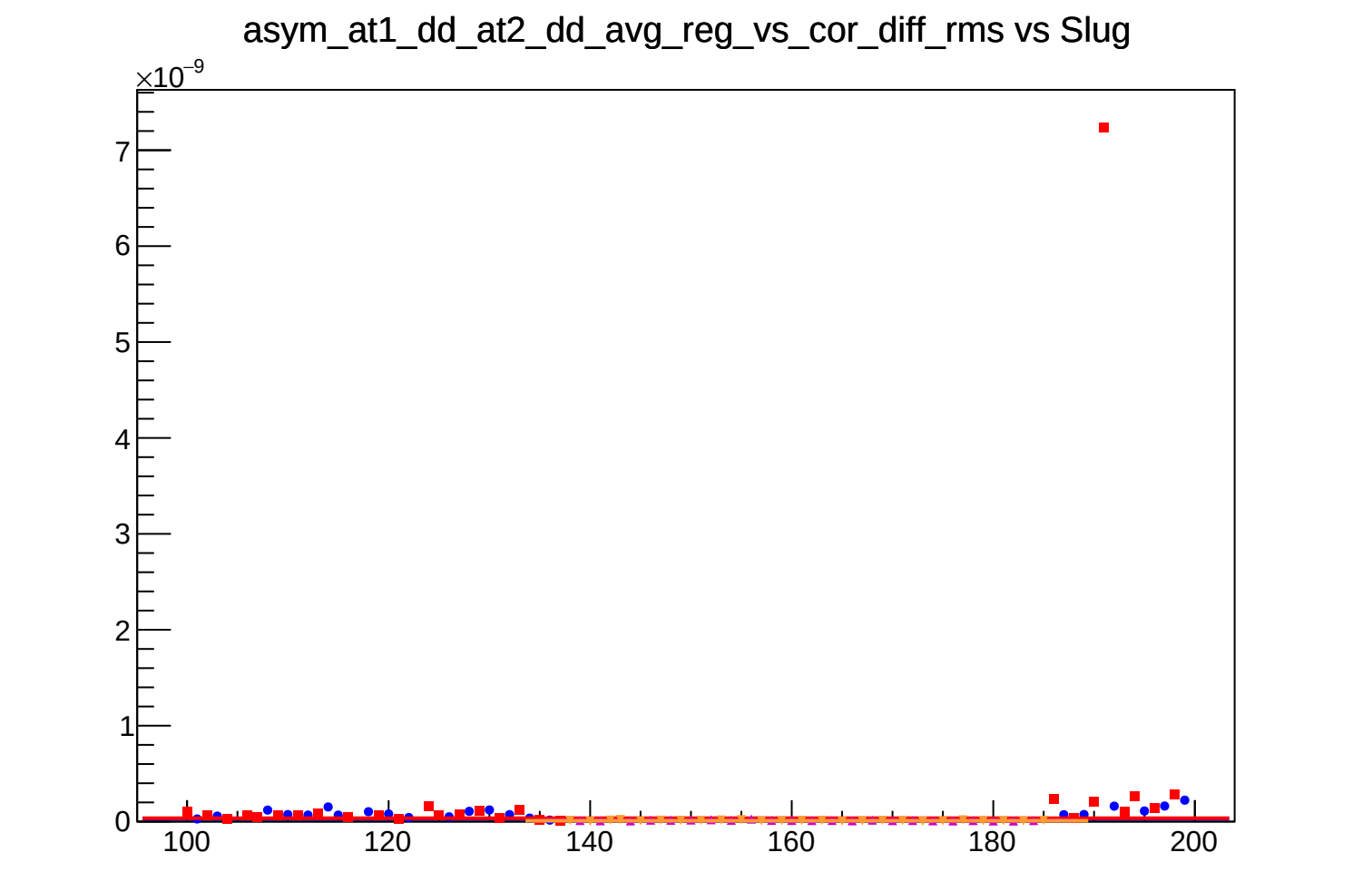
Right Out: 0.000+/-0.000 χ^2/NDF: 42.5/26

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/46

All: 0.000+/-0.000 χ^2/NDF: 102.8/96

- sign -0.000+/-0.000 χ^2/NDF: 57.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 4766904.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

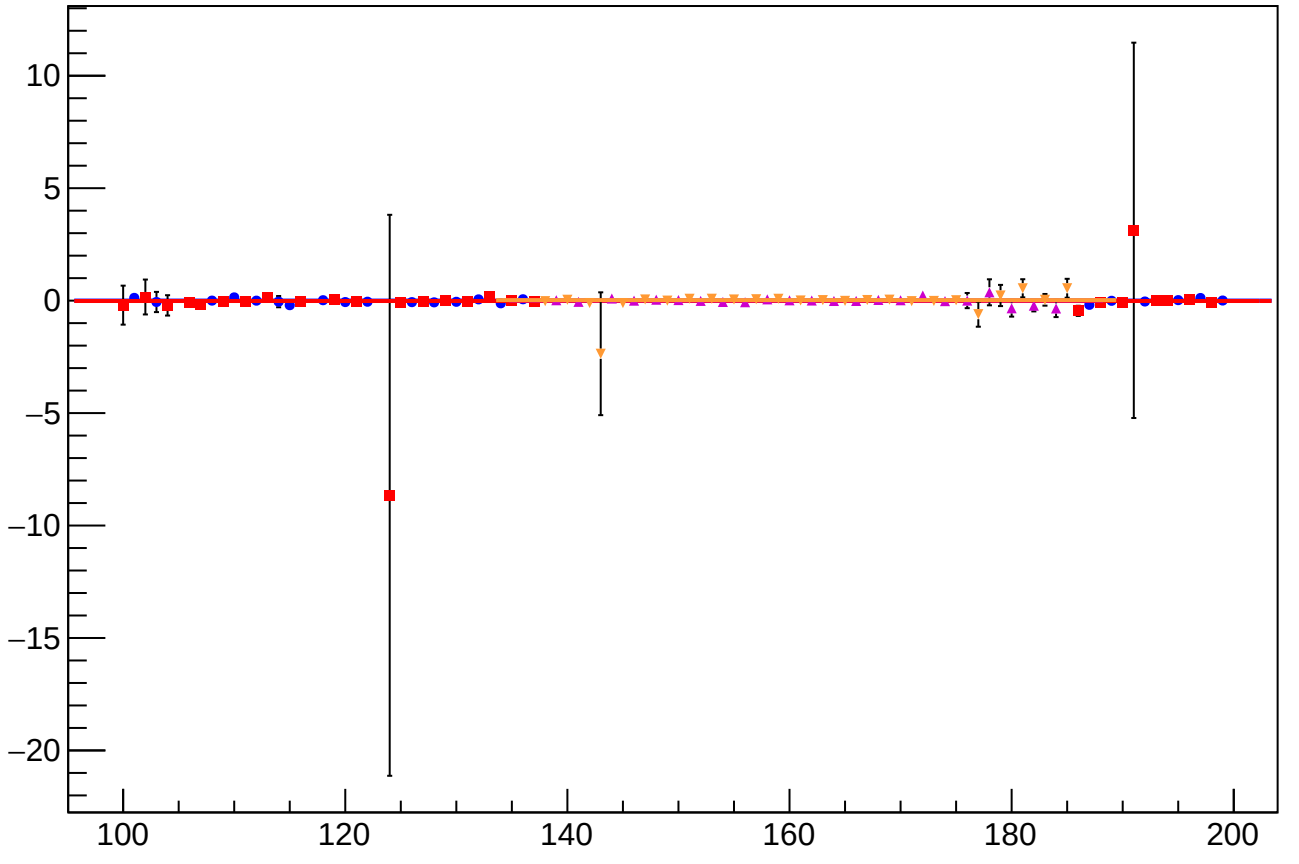
Right Out: 0.000+/-0.000 χ^2/NDF: 4936678.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9518263.8/46

All: 0.000+/-0.000 χ^2/NDF: 18662217.8/96

- sign 0.000+/-0.000 χ^2/NDF: 8876418.2/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

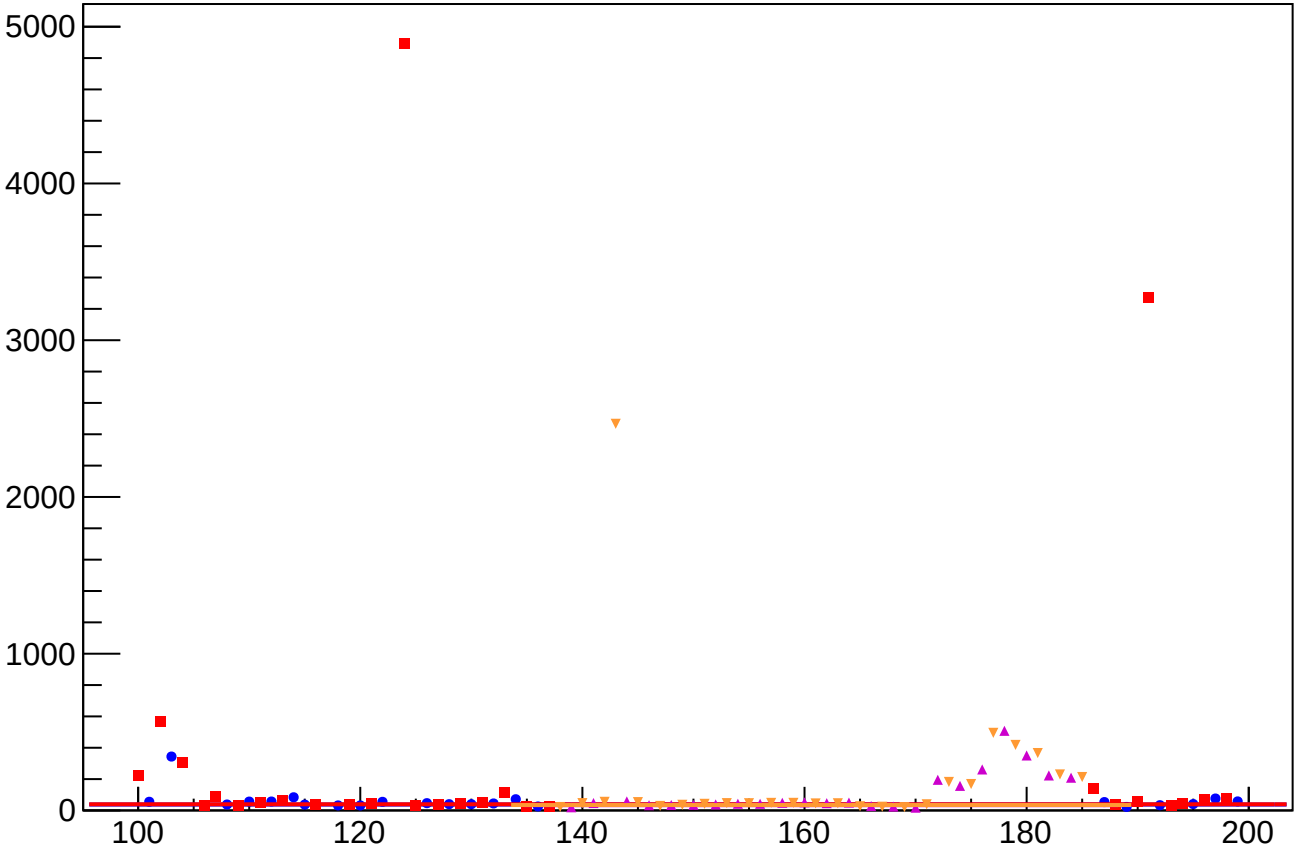
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.6/96

- 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: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

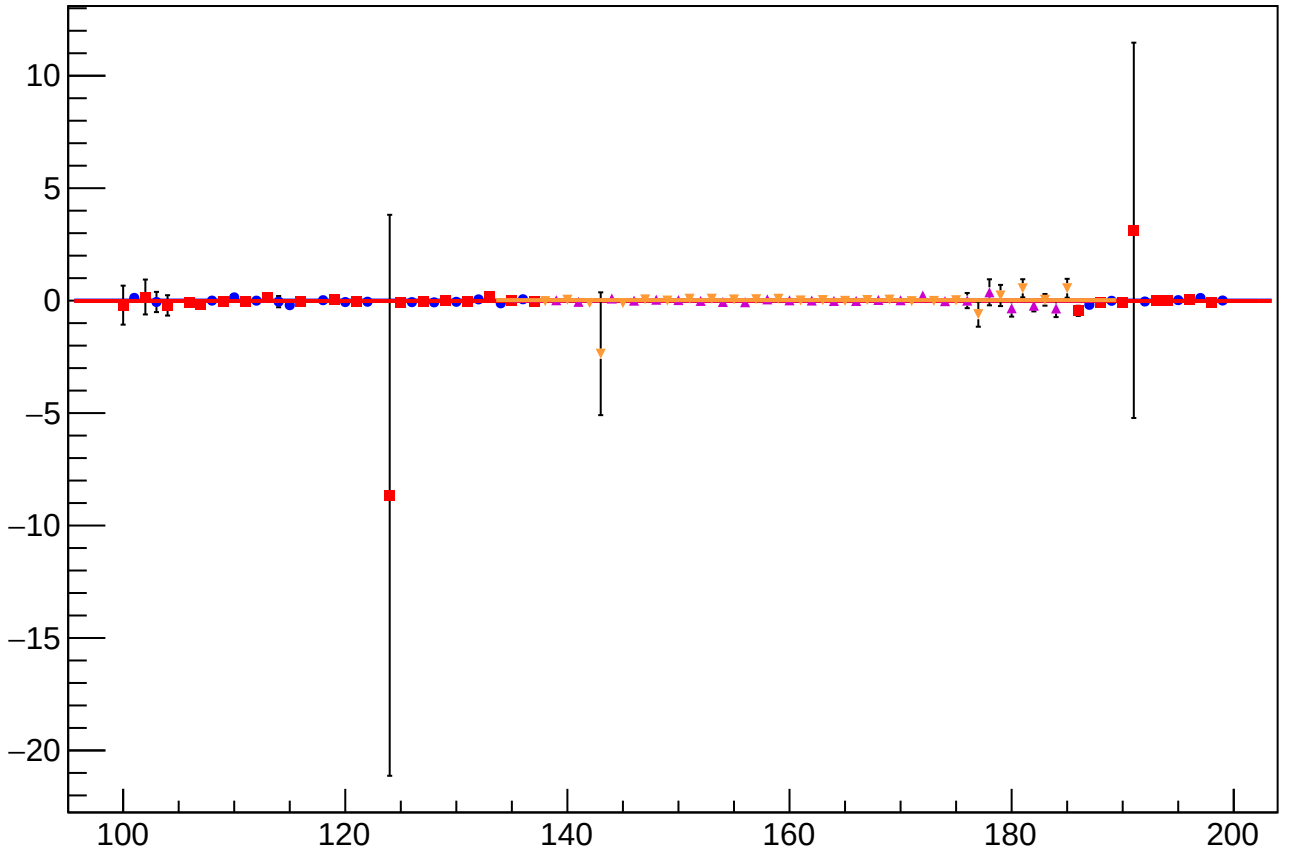
Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.767+/-0.006 χ^2/NDF: 14349384.1/46

All: 35.720+/-0.004 χ^2/NDF: 29356975.1/96

\- sign 35.674+/-0.006 χ^2/NDF: 15007457.4/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

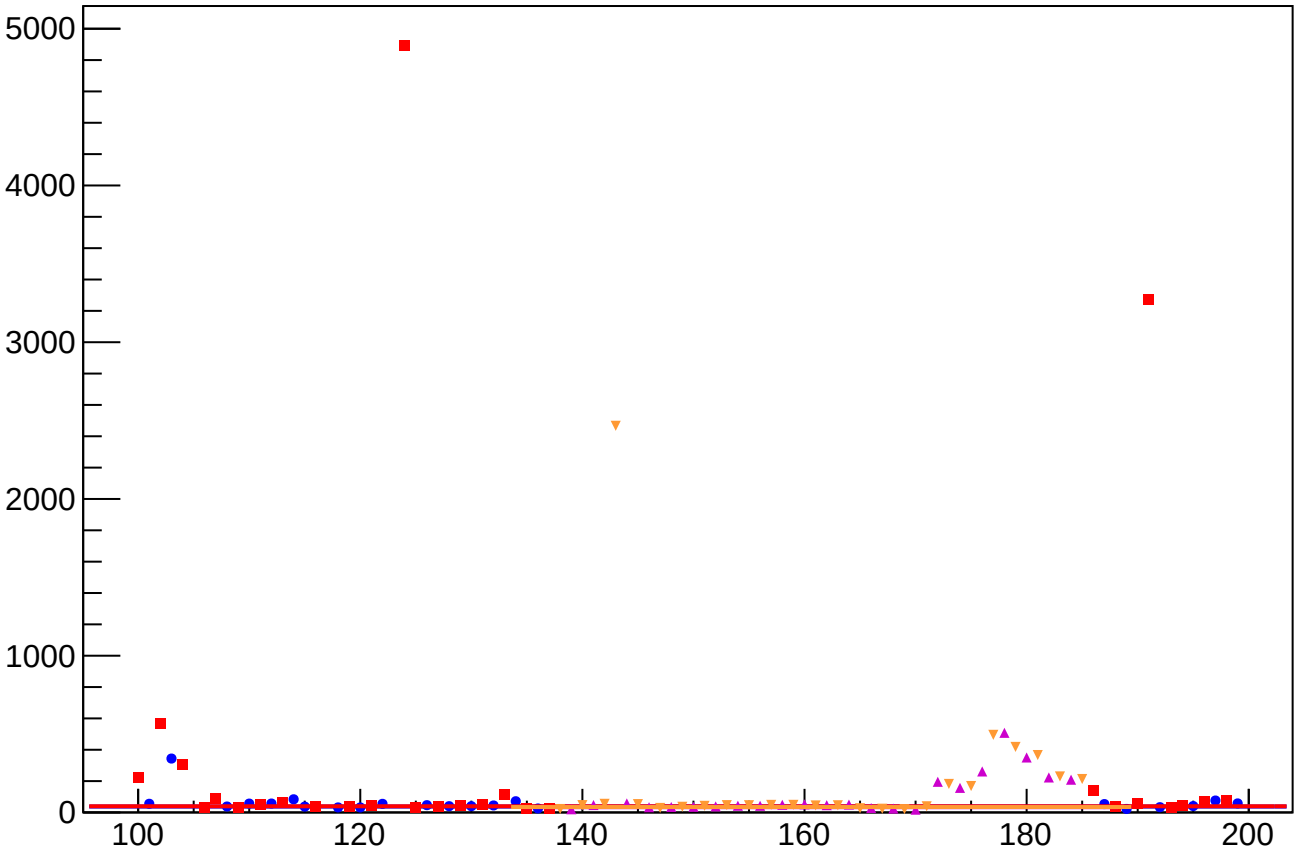
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

\+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.6/96

\- sign 0.000+/-0.008 χ^2/NDF: 38.7/49



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

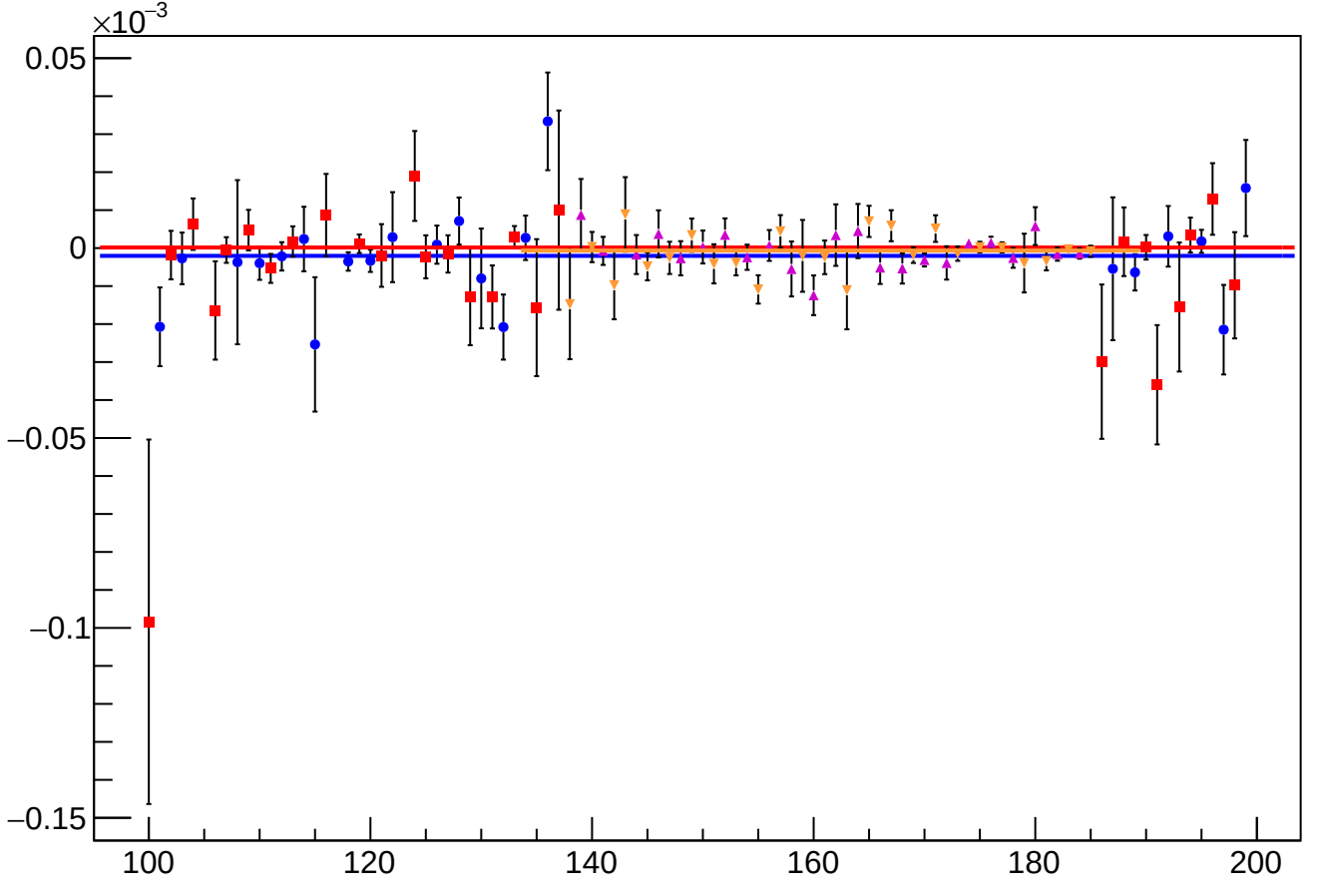
Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.767+/-0.006 χ^2/NDF: 14349384.1/46

All: 35.720+/-0.004 χ^2/NDF: 29356975.1/96

\- sign 35.674+/-0.006 χ^2/NDF: 15007457.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

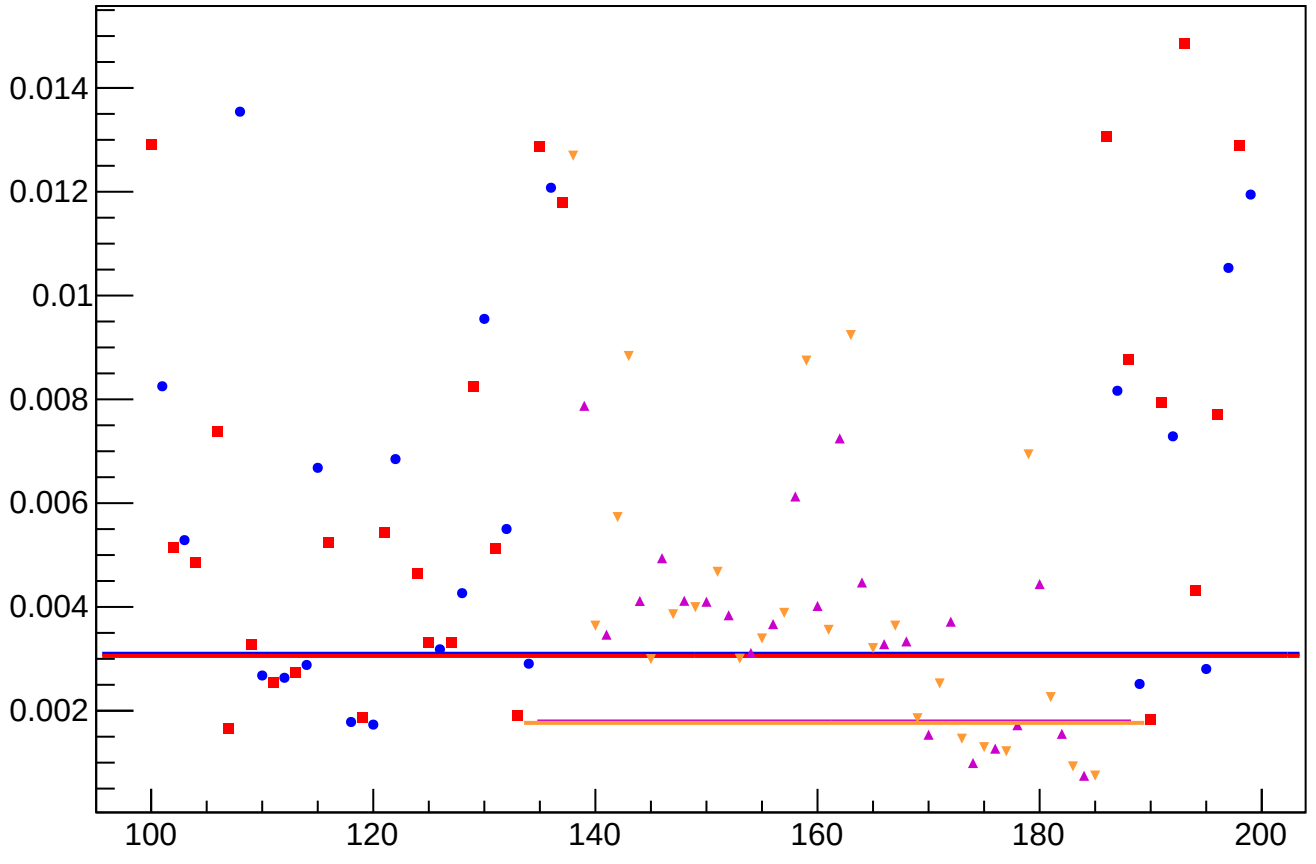
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/46

All: -0.000+/-0.000 χ^2/NDF: 112.0/96

- sign -0.000+/-0.000 χ^2/NDF: 52.5/49



Right In: 0.003+/-0.000 χ^2/NDF: 6726540.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

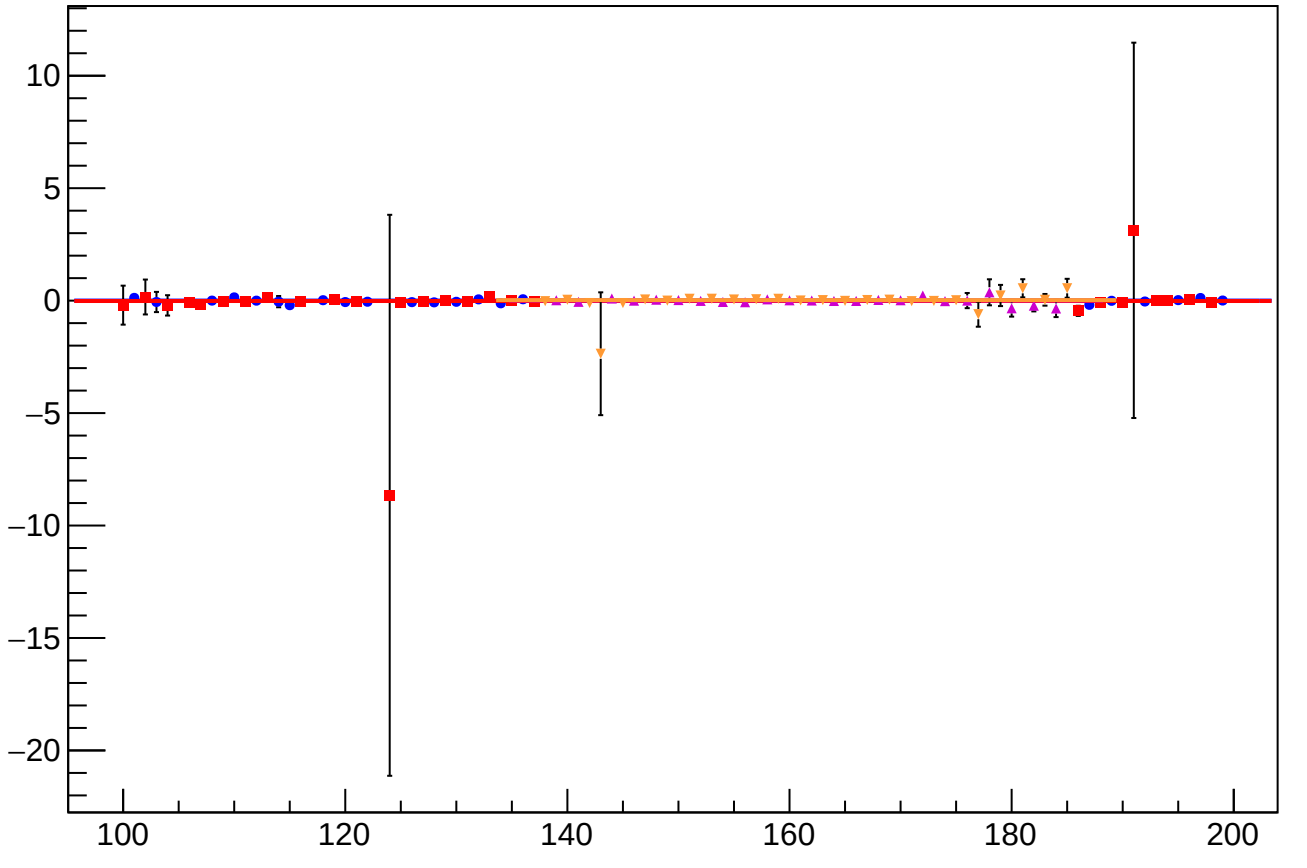
Right Out: 0.003+/-0.000 χ^2/NDF: 7780464.4/26

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 21927871.0/46

All: 0.002+/-0.000 χ^2/NDF: 42775001.3/96

- sign 0.002+/-0.000 χ^2/NDF: 20825104.4/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

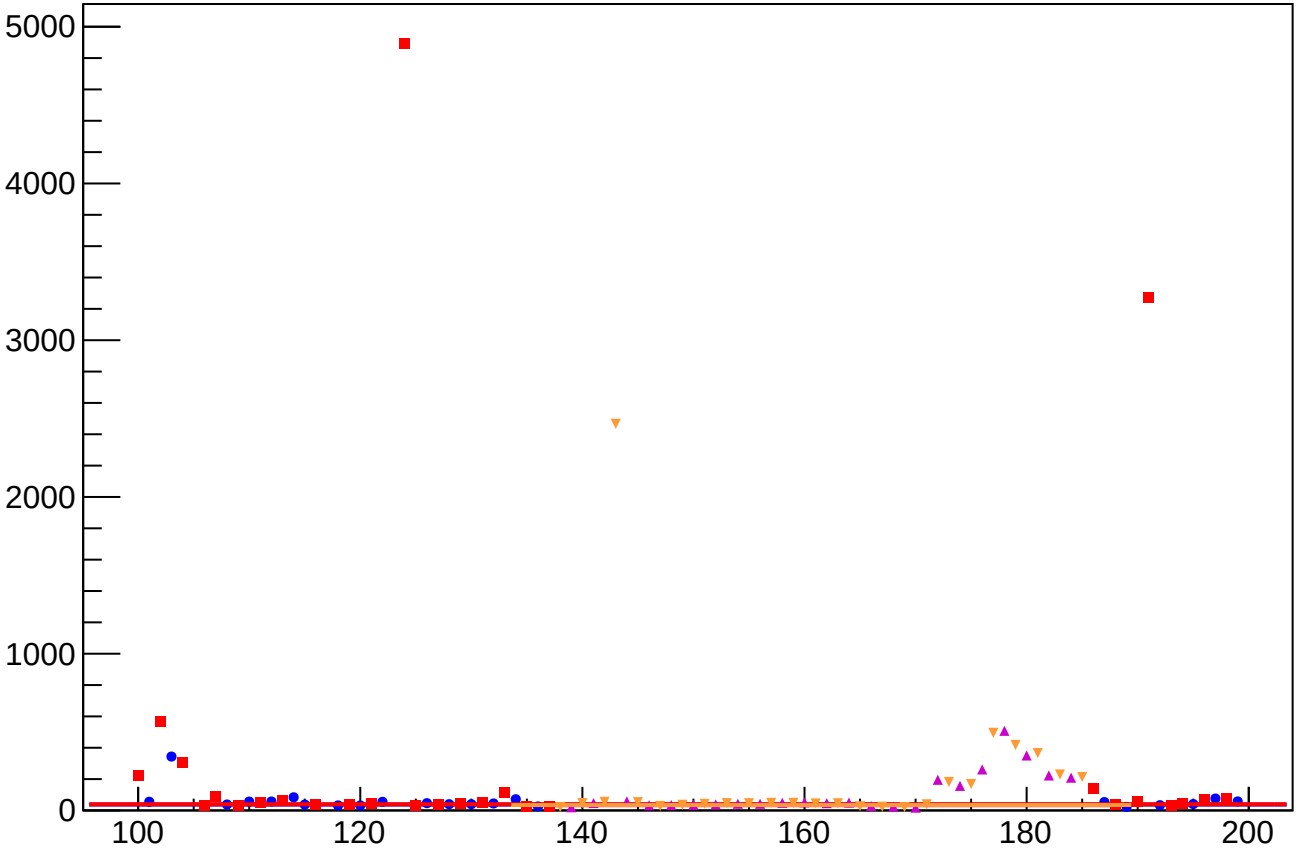
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

\+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.6/96

\- 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: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

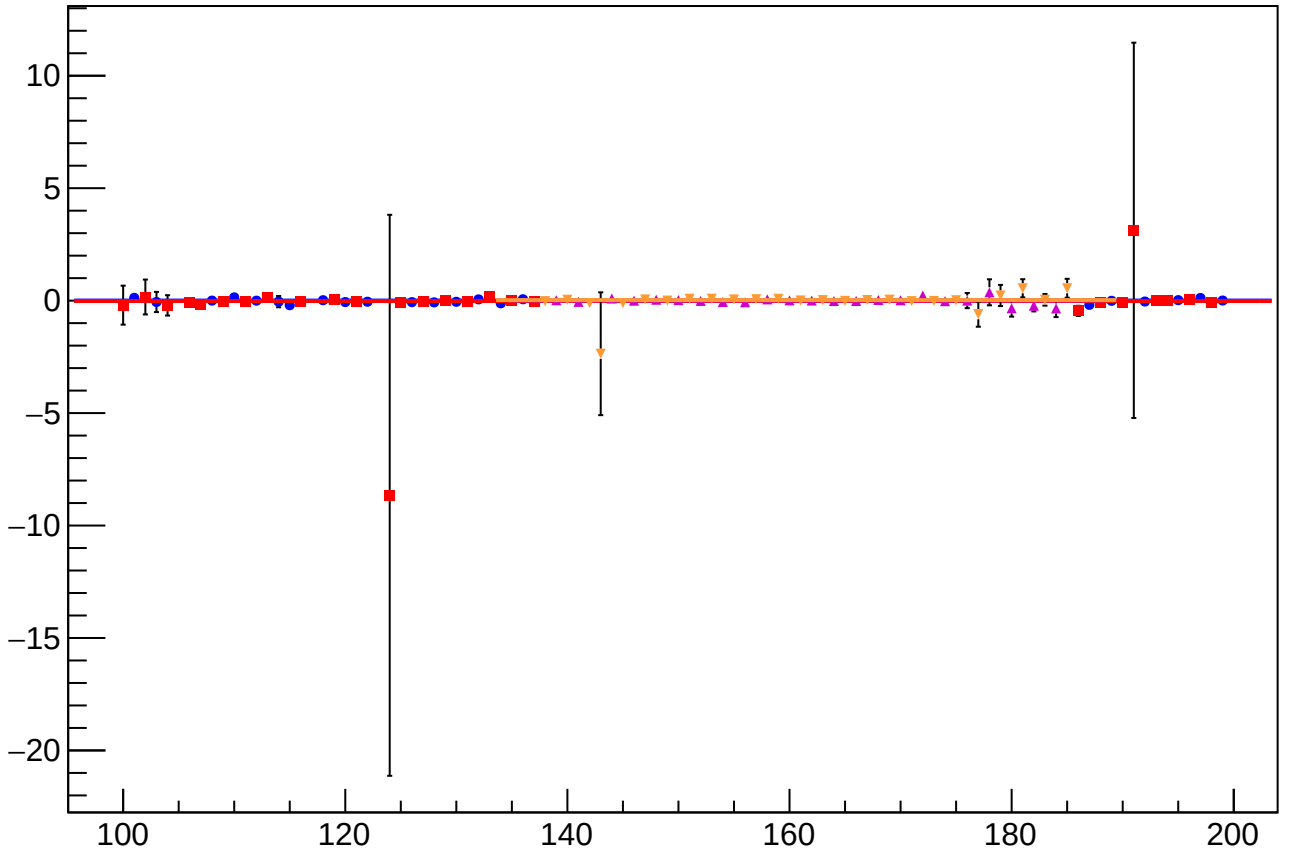
Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.767+/-0.006 χ^2/NDF: 14348851.5/46

All: 35.721+/-0.004 χ^2/NDF: 29354774.1/96

\- sign 35.676+/-0.006 χ^2/NDF: 15005793.7/49



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

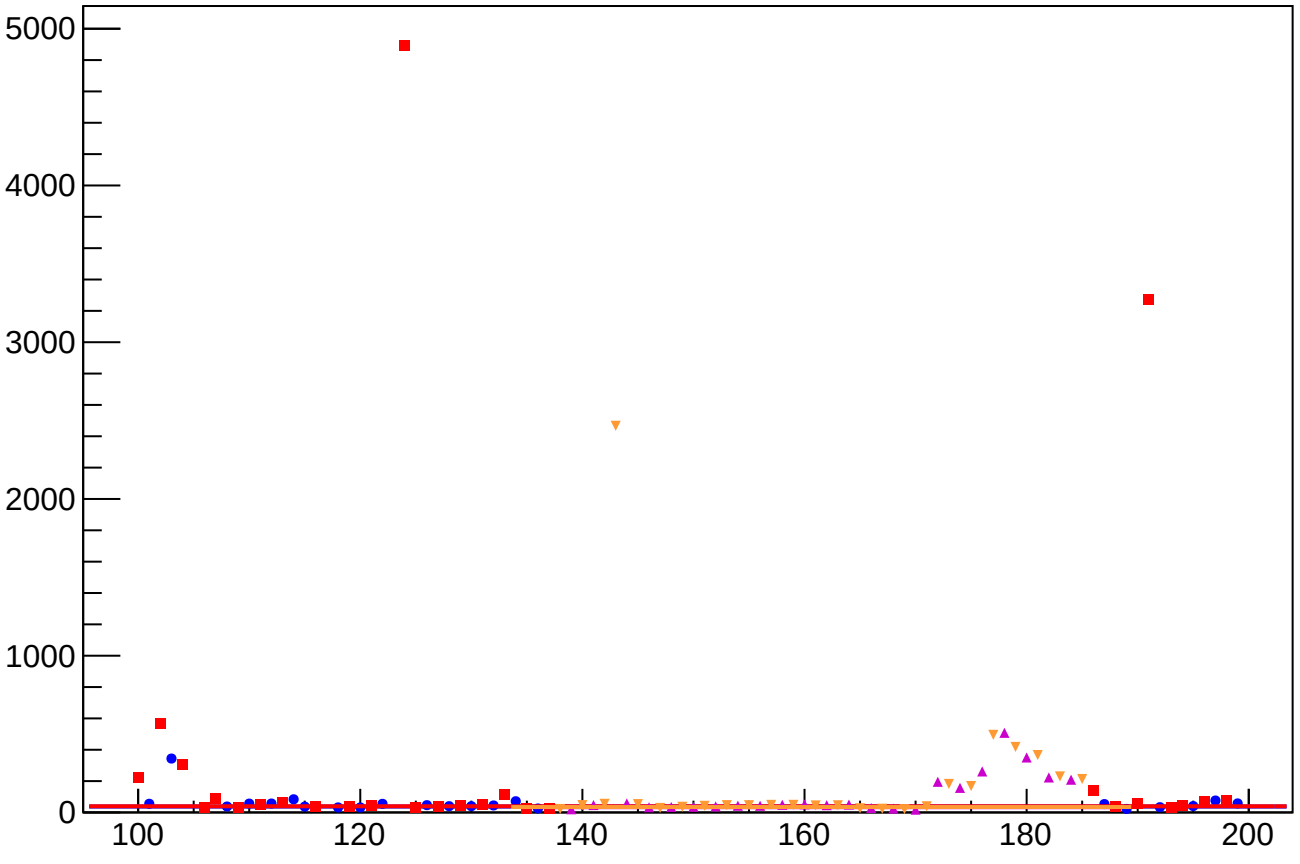
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

\+ sign 0.015+/-0.008 χ^2/NDF: 49.1/46

All: 0.008+/-0.006 χ^2/NDF: 89.6/96

\- sign 0.000+/-0.008 χ^2/NDF: 38.7/49



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

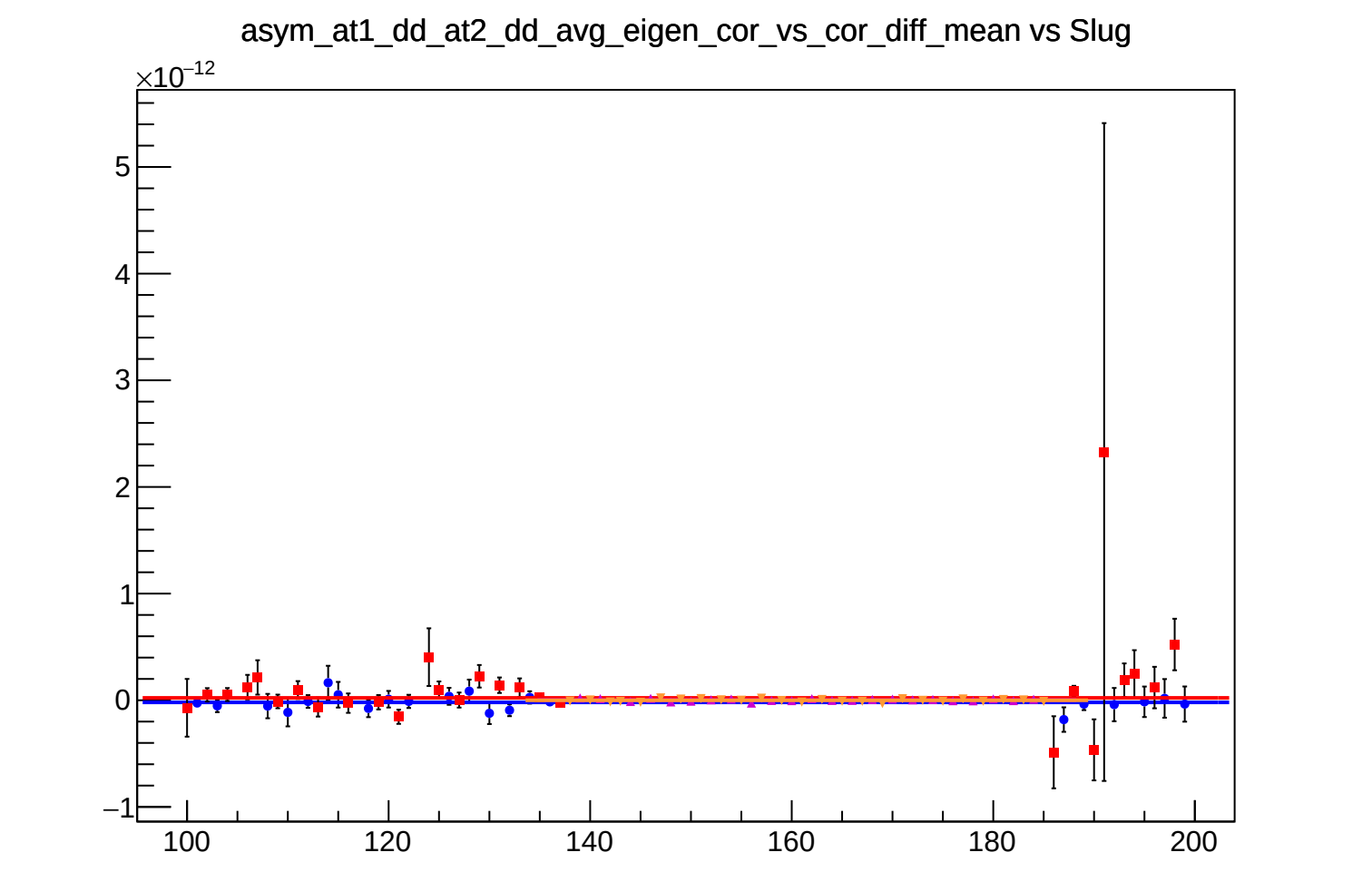
Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.767+/-0.006 χ^2/NDF: 14348851.5/46

All: 35.721+/-0.004 χ^2/NDF: 29354774.1/96

\- sign 35.676+/-0.006 χ^2/NDF: 15005793.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

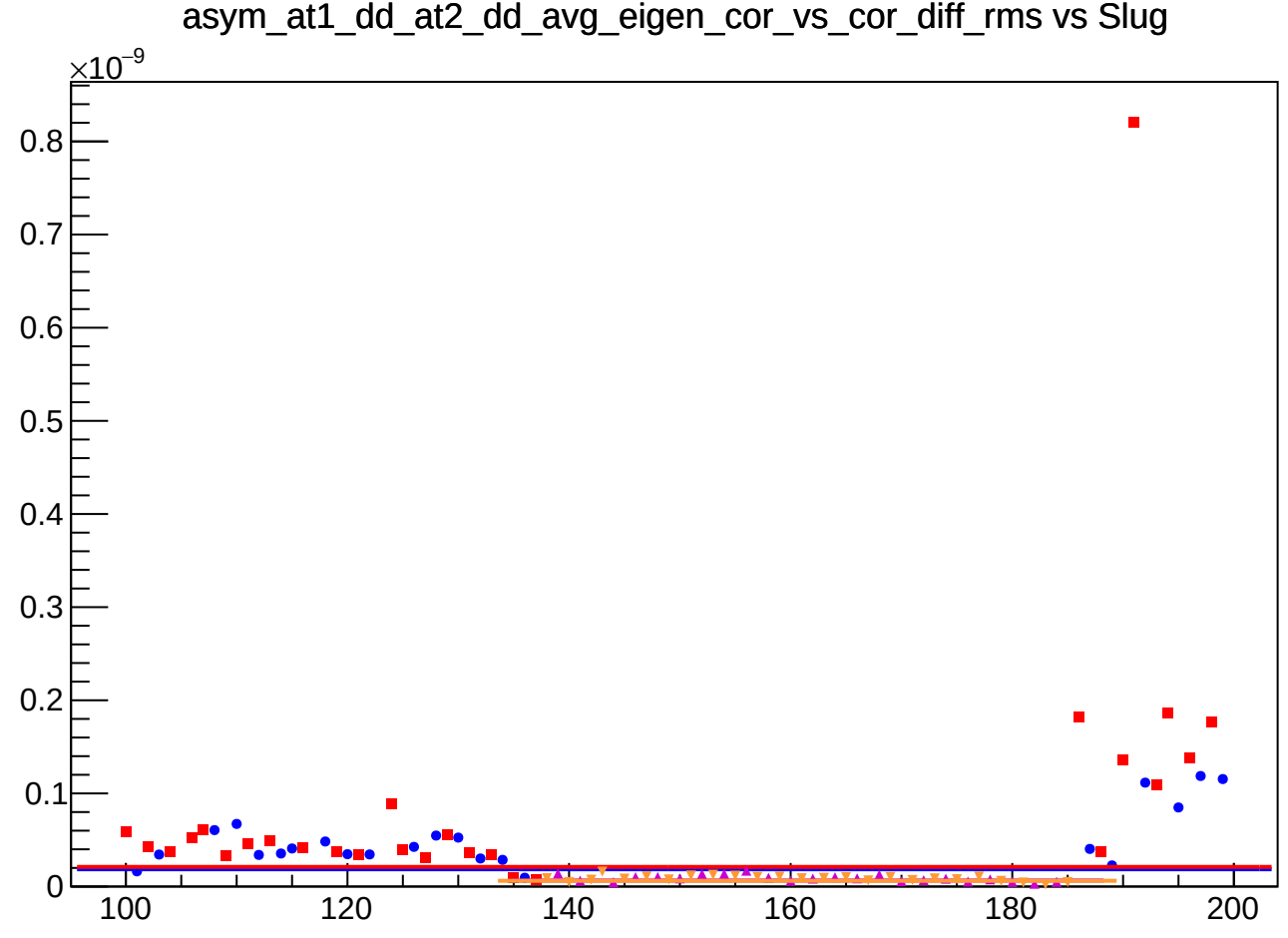
Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/26

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/46

All: 0.000+/-0.000 χ^2/NDF: 107.2/96

- sign 0.000+/-0.000 χ^2/NDF: 64.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 5787248.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8201798.2/26

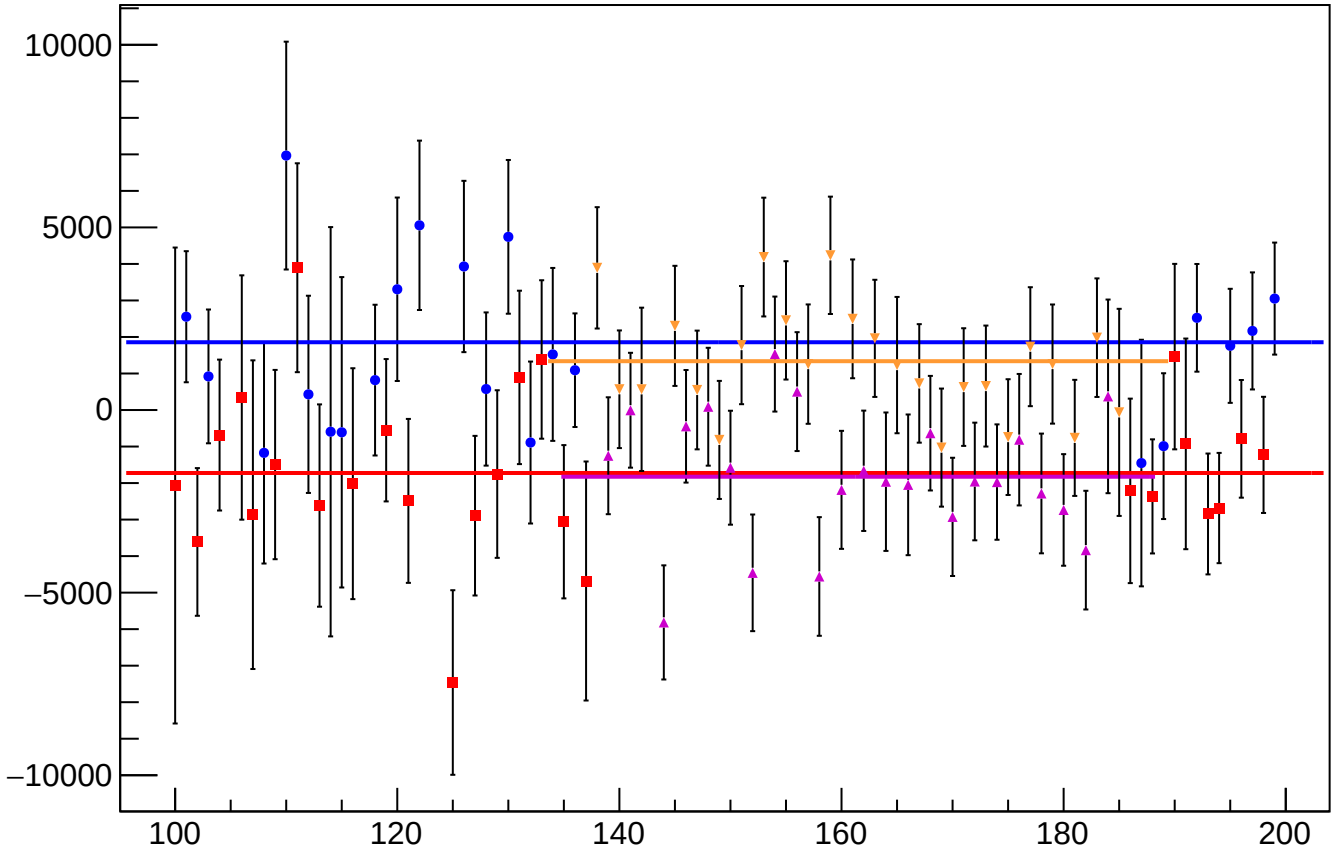
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14015540.8/46

All: 0.000+/-0.000 χ^2/NDF: 29824706.9/96

- sign 0.000+/-0.000 χ^2/NDF: 15784065.7/49

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1855.954+/-443.809 χ^2/NDF: 16.1/21

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1724.140+/-434.208 χ^2/NDF: 19.1/25

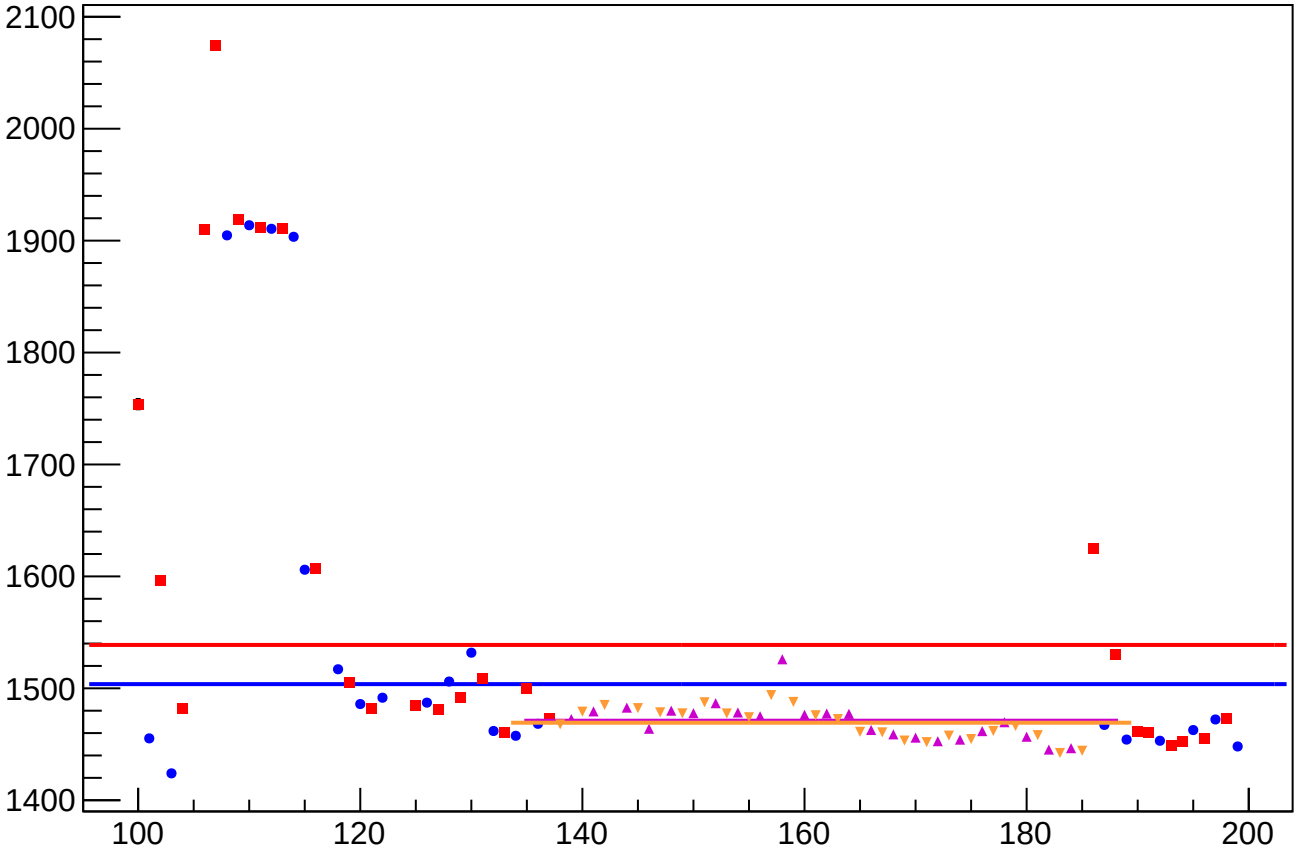
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1529.656+/-270.406 χ^2/NDF: 36.1/45

All: -135.019+/-190.844 χ^2/NDF: 157.3/94

- sign -1787.161+/-269.386 χ^2/NDF: 45.6/48

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

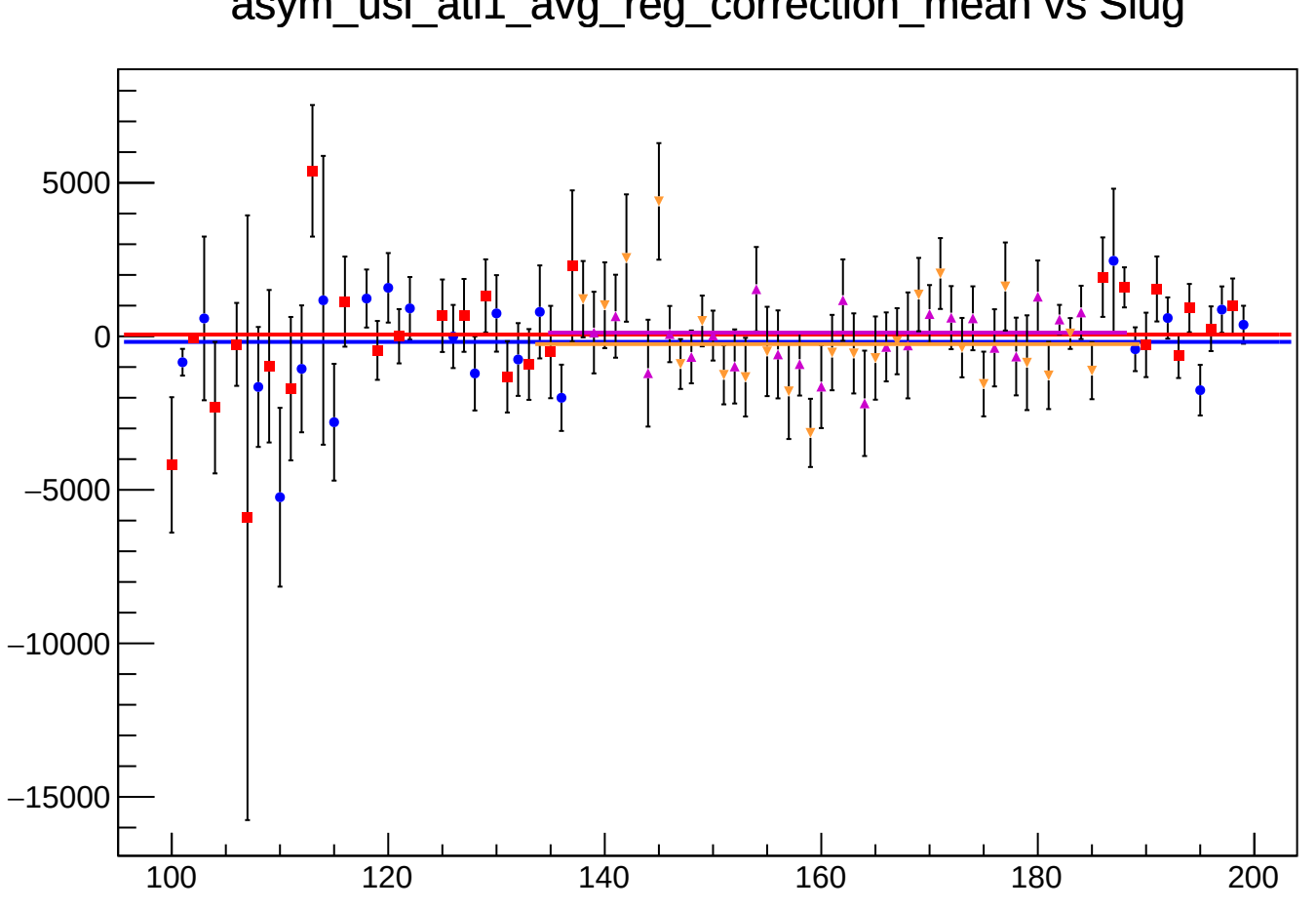
Right Out: 1538.759+/-0.307 χ^2/NDF: 212532.7/25

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1482.064+/-0.191 χ^2/NDF: 154138.6/45

All: 1489.617+/-0.135 χ^2/NDF: 404333.0/94

- sign 1497.114+/-0.190 χ^2/NDF: 247085.0/48



Right In: -181.186+/-205.434 χ^2/NDF: 27.9/21

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 58.612+/-117.269 χ^2/NDF: 31.6/25

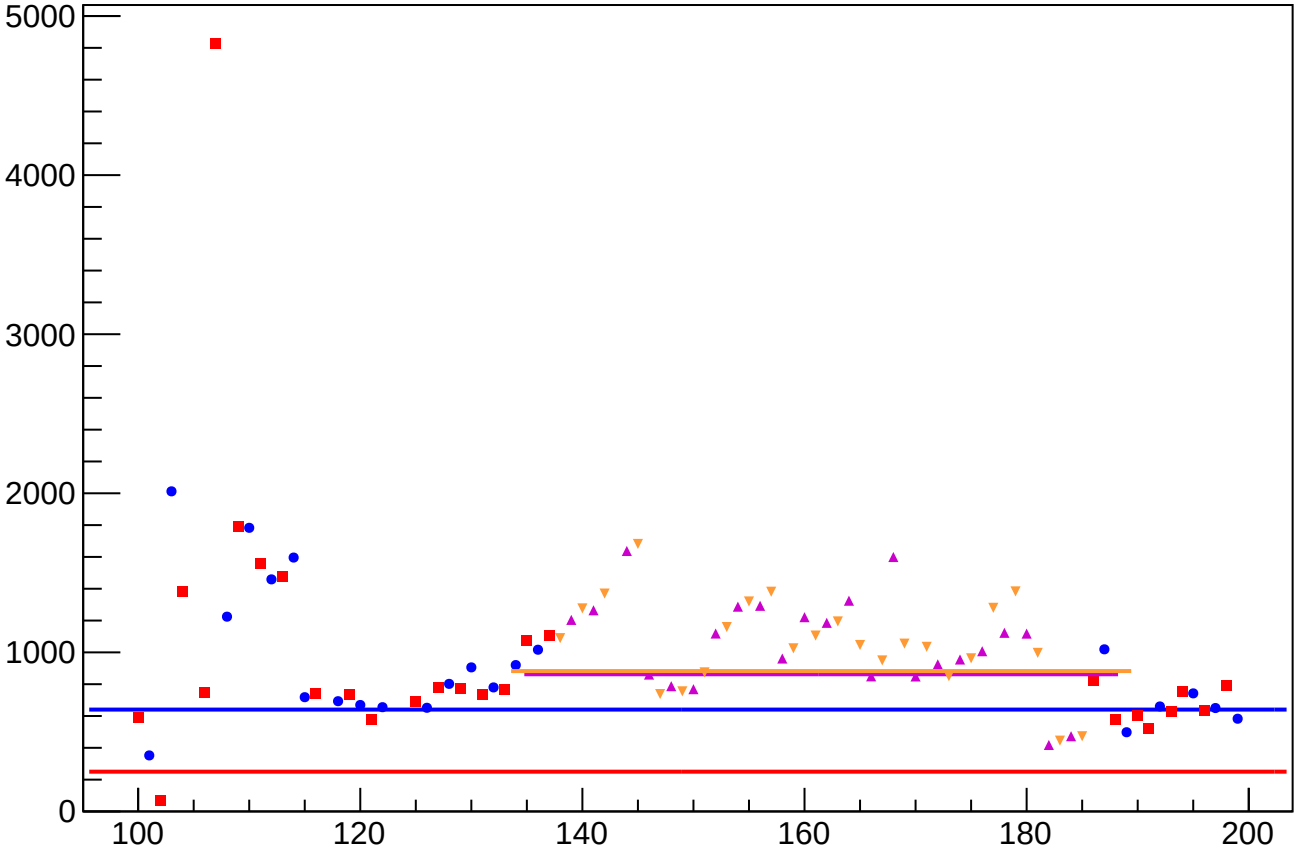
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -214.251+/-149.628 χ^2/NDF: 60.6/45

All: -19.732+/-84.874 χ^2/NDF: 107.6/94

- sign 72.545+/-103.057 χ^2/NDF: 44.4/48

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 640.360+/-0.145 χ^2/NDF: 2947686.1/21

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 250.066+/-0.083 χ^2/NDF: 14362617.2/25

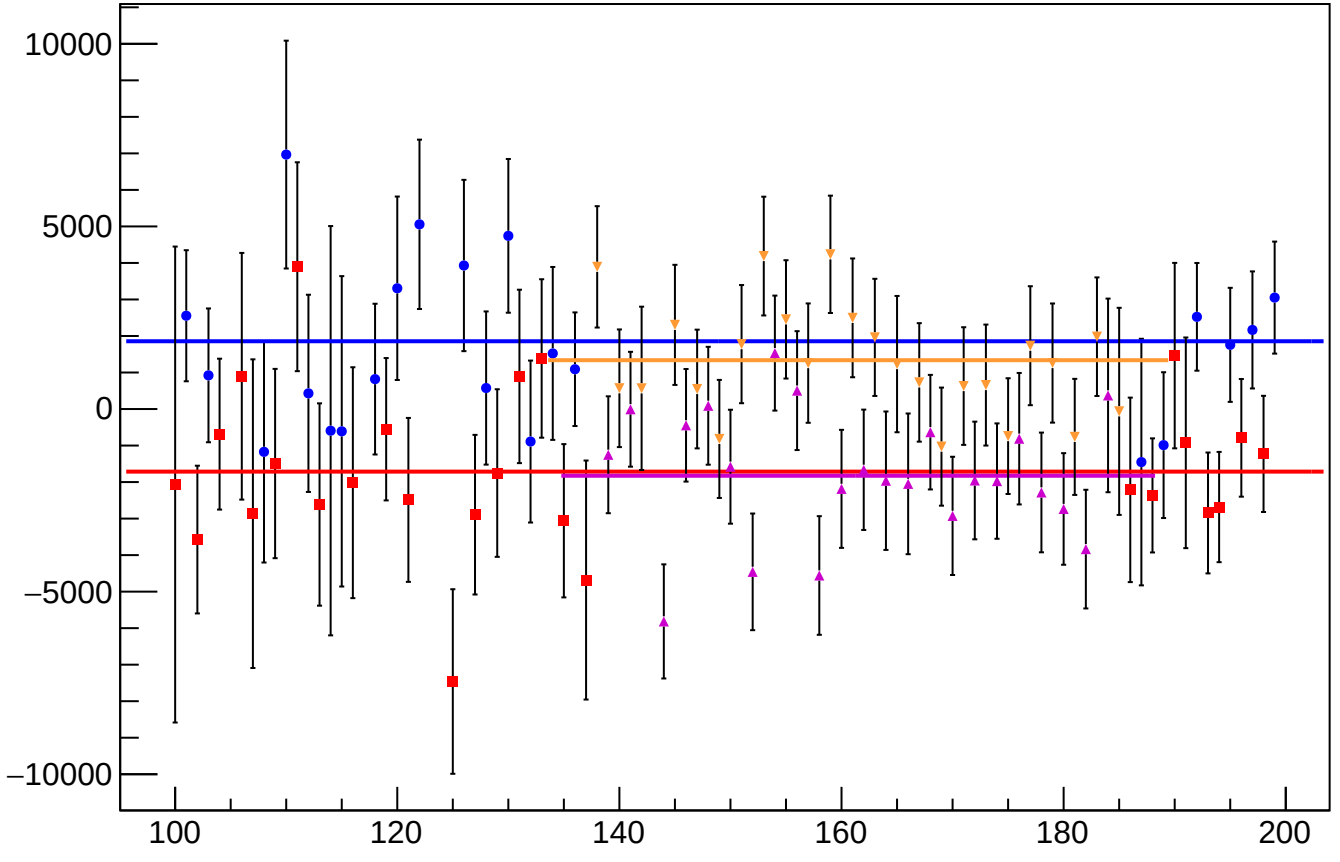
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 754.014+/-0.106 χ^2/NDF: 8152761.9/45

All: 506.761+/-0.060 χ^2/NDF: 47348757.4/94

- sign 389.467+/-0.073 χ^2/NDF: 31144111.8/48

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1856.045+/-443.809 χ^2/NDF: 16.1/21

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1713.876+/-434.281 χ^2/NDF: 19.3/25

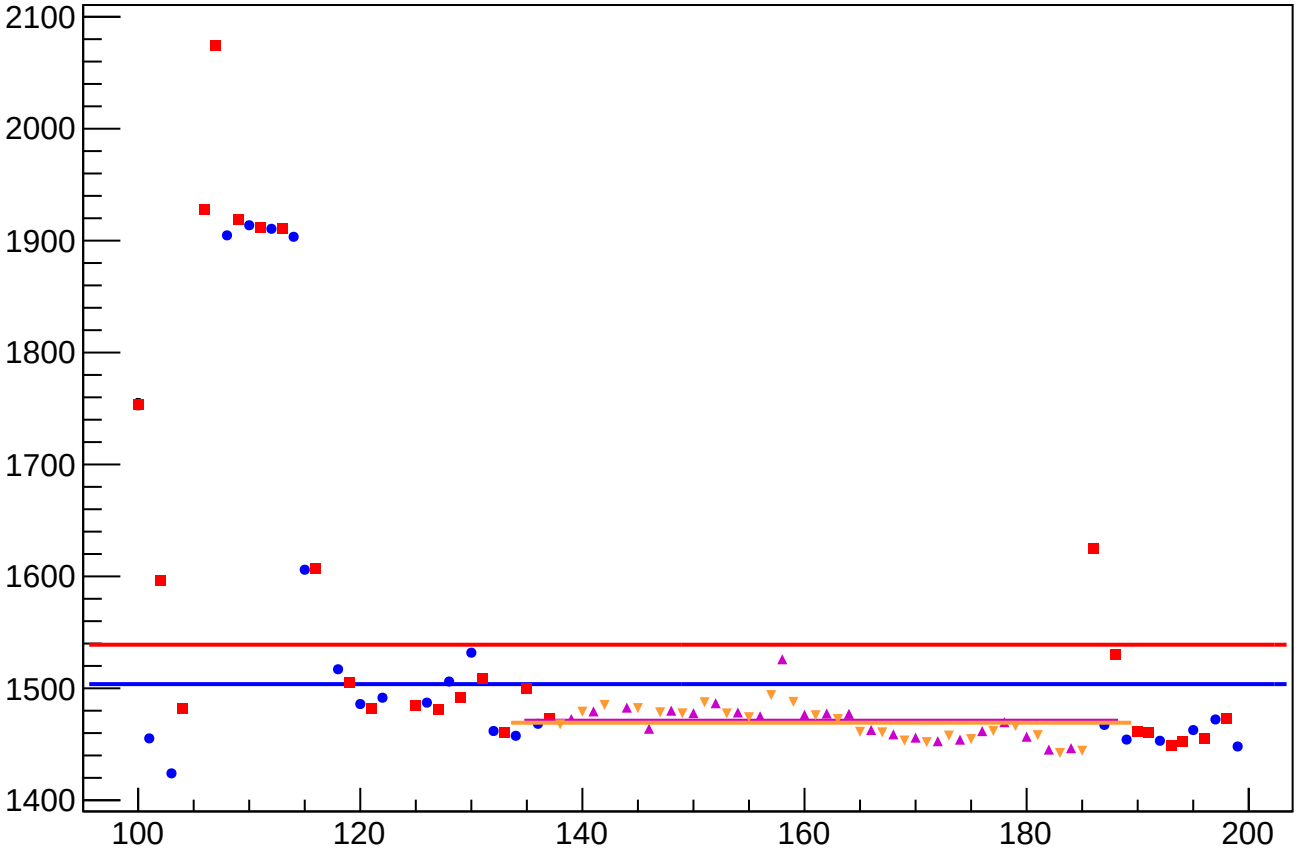
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1529.696+/-270.406 χ^2/NDF: 36.1/45

All: -132.929+/-190.851 χ^2/NDF: 157.3/94

- sign -1783.248+/-269.404 χ^2/NDF: 45.8/48

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1538.951+/-0.307 χ^2/NDF: 214519.0/25

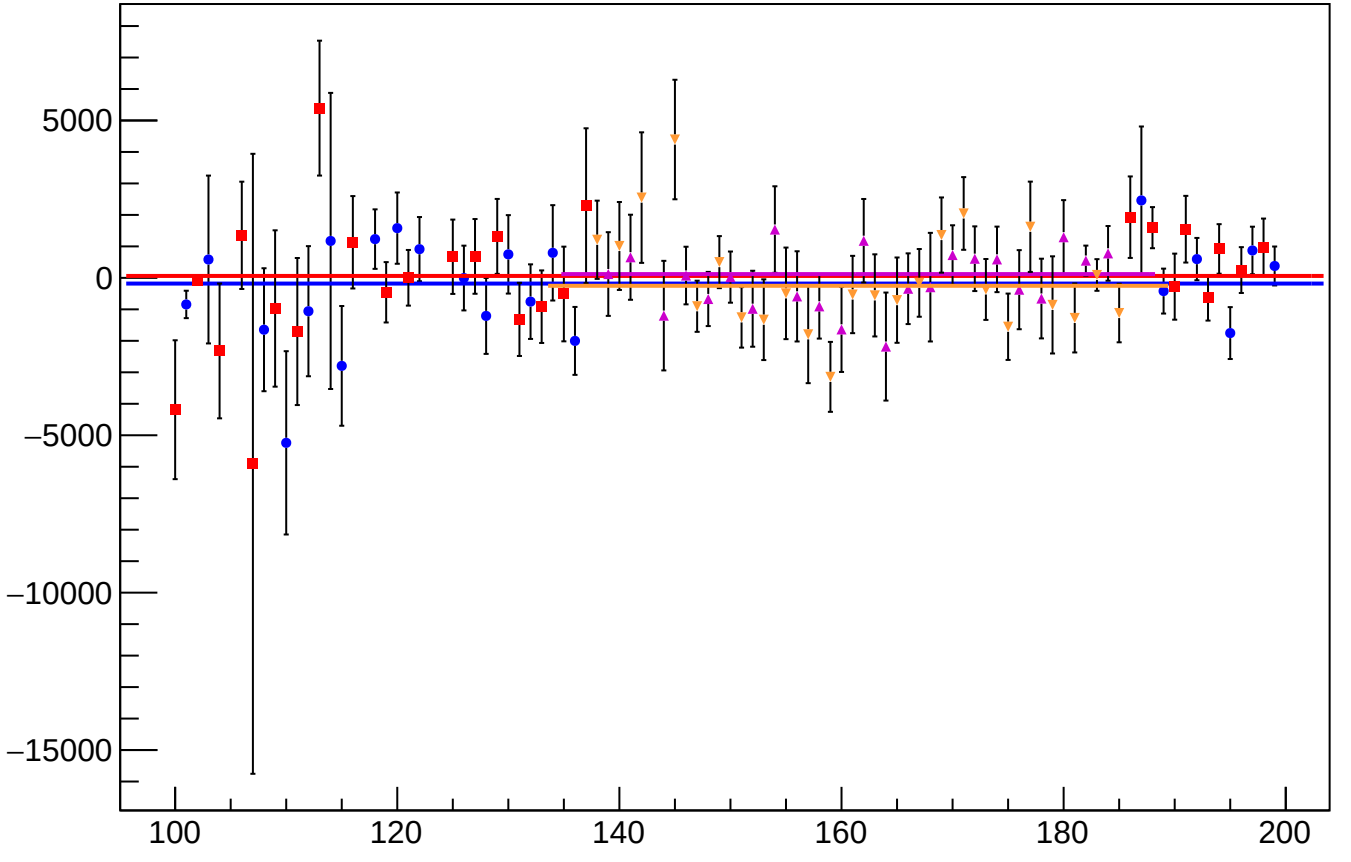
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1482.064+/-0.191 χ^2/NDF: 154138.6/45

All: 1489.651+/-0.135 χ^2/NDF: 406511.7/94

- sign 1497.183+/-0.190 χ^2/NDF: 249235.5/48

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -181.076+/-205.434 χ^2/NDF: 27.9/21

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 61.435+/-125.196 χ^2/NDF: 32.4/25

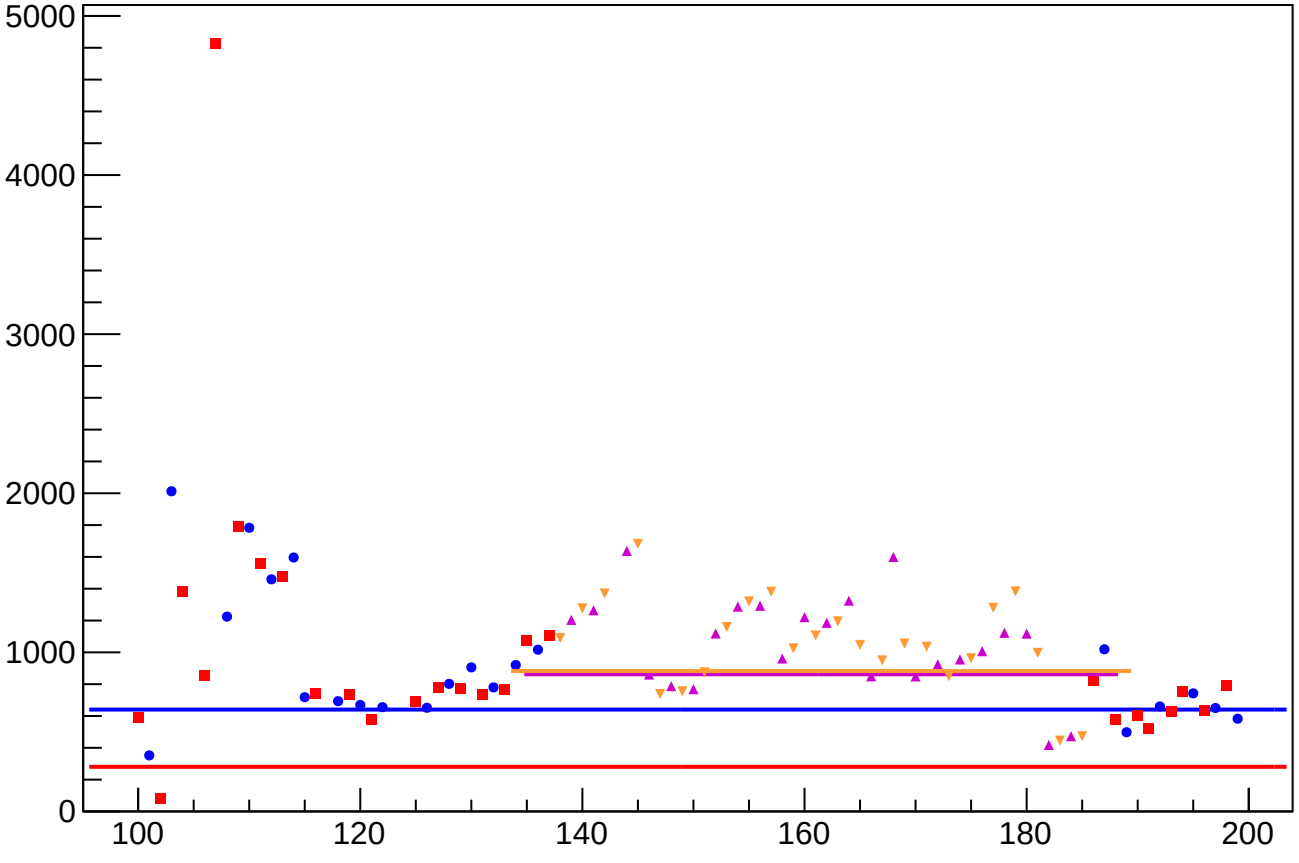
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -214.183+/-149.627 χ^2/NDF: 60.6/45

All: -23.693+/-87.738 χ^2/NDF: 108.3/94

- sign 76.126+/-108.314 χ^2/NDF: 45.3/48

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 640.358+/-0.145 χ^2/NDF: 2947734.8/21

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 280.650+/-0.089 χ^2/NDF: 13343608.3/25

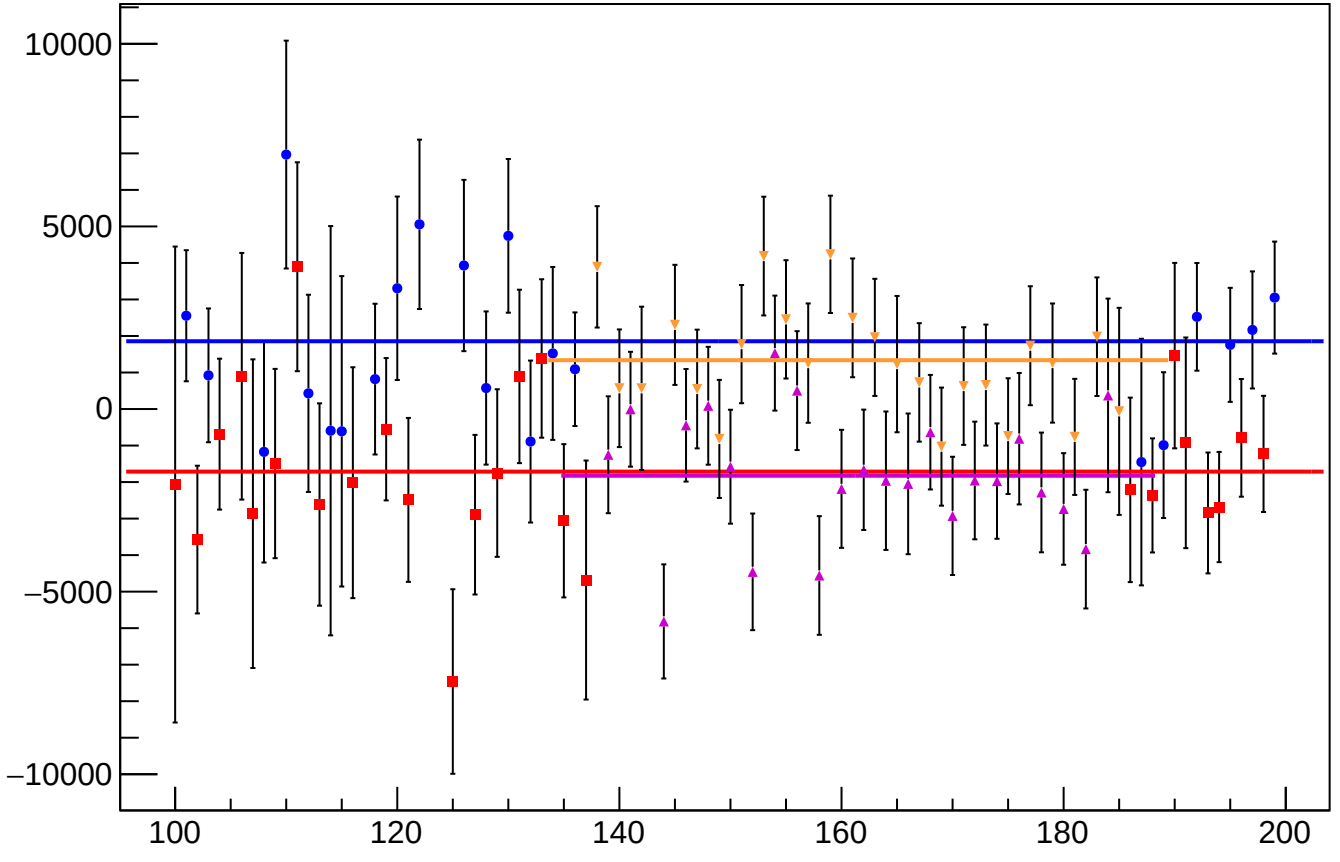
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 754.008+/-0.106 χ^2/NDF: 8153062.5/45

All: 539.400+/-0.062 χ^2/NDF: 42993946.3/94

- sign 426.941+/-0.077 χ^2/NDF: 28570535.1/48

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1856.045+/-443.809 χ^2/NDF: 16.1/21

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1713.876+/-434.281 χ^2/NDF: 19.3/25

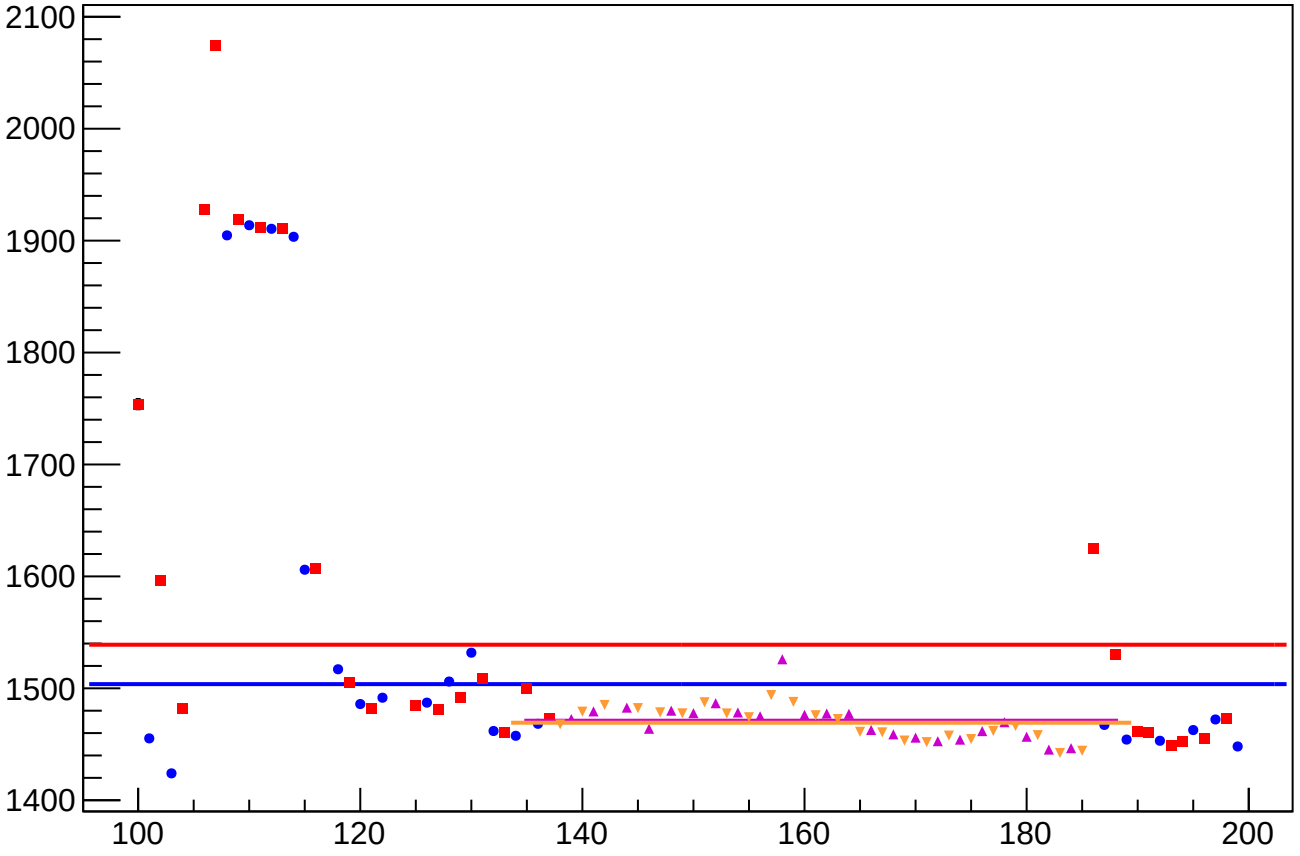
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1529.696+/-270.406 χ^2/NDF: 36.1/45

All: -132.929+/-190.851 χ^2/NDF: 157.3/94

- sign -1783.248+/-269.404 χ^2/NDF: 45.8/48

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1538.951+/-0.307 χ^2/NDF: 214519.0/25

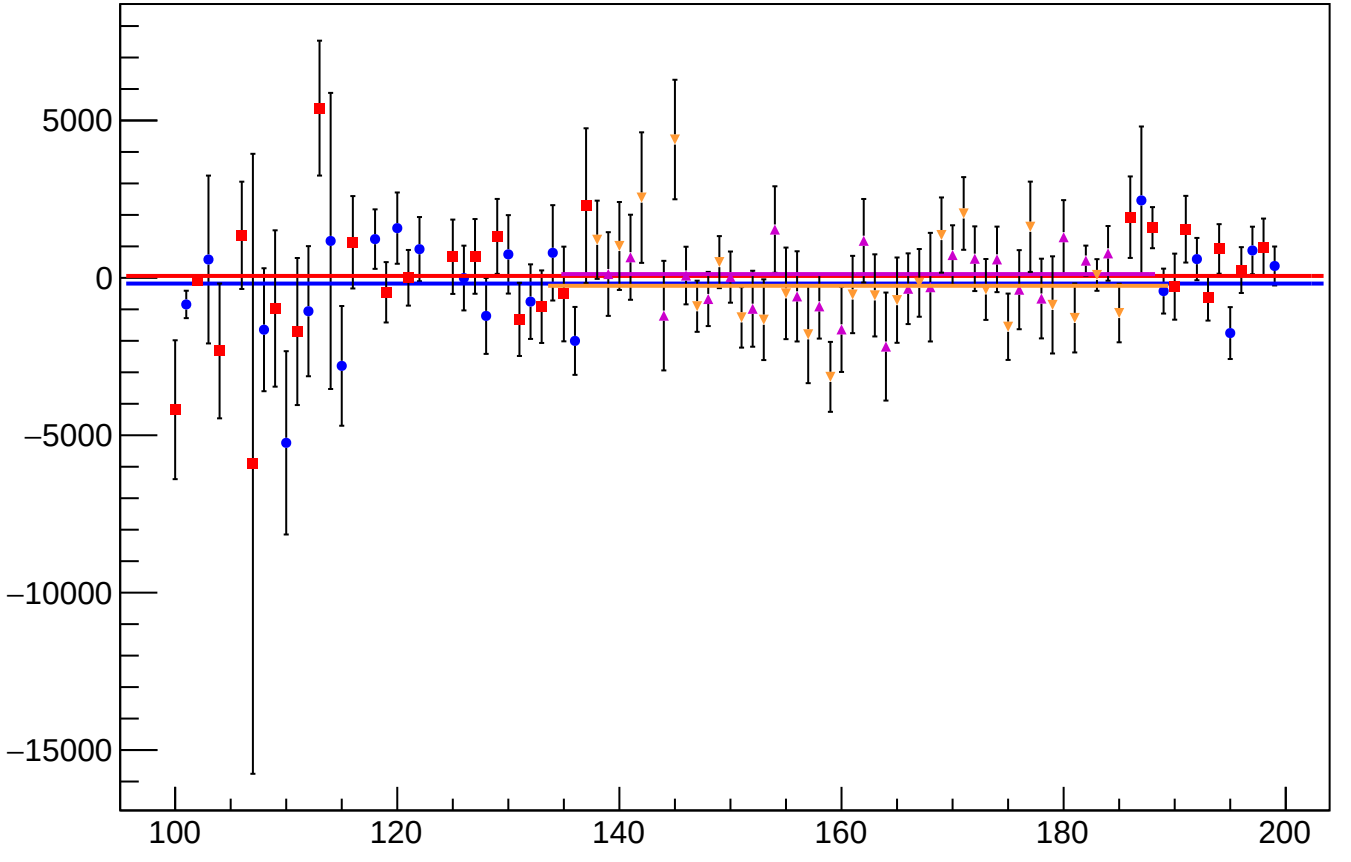
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1482.064+/-0.191 χ^2/NDF: 154138.6/45

All: 1489.651+/-0.135 χ^2/NDF: 406511.7/94

- sign 1497.183+/-0.190 χ^2/NDF: 249235.5/48

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug



Right In: -181.076+/-205.434 χ^2/NDF: 27.9/21

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

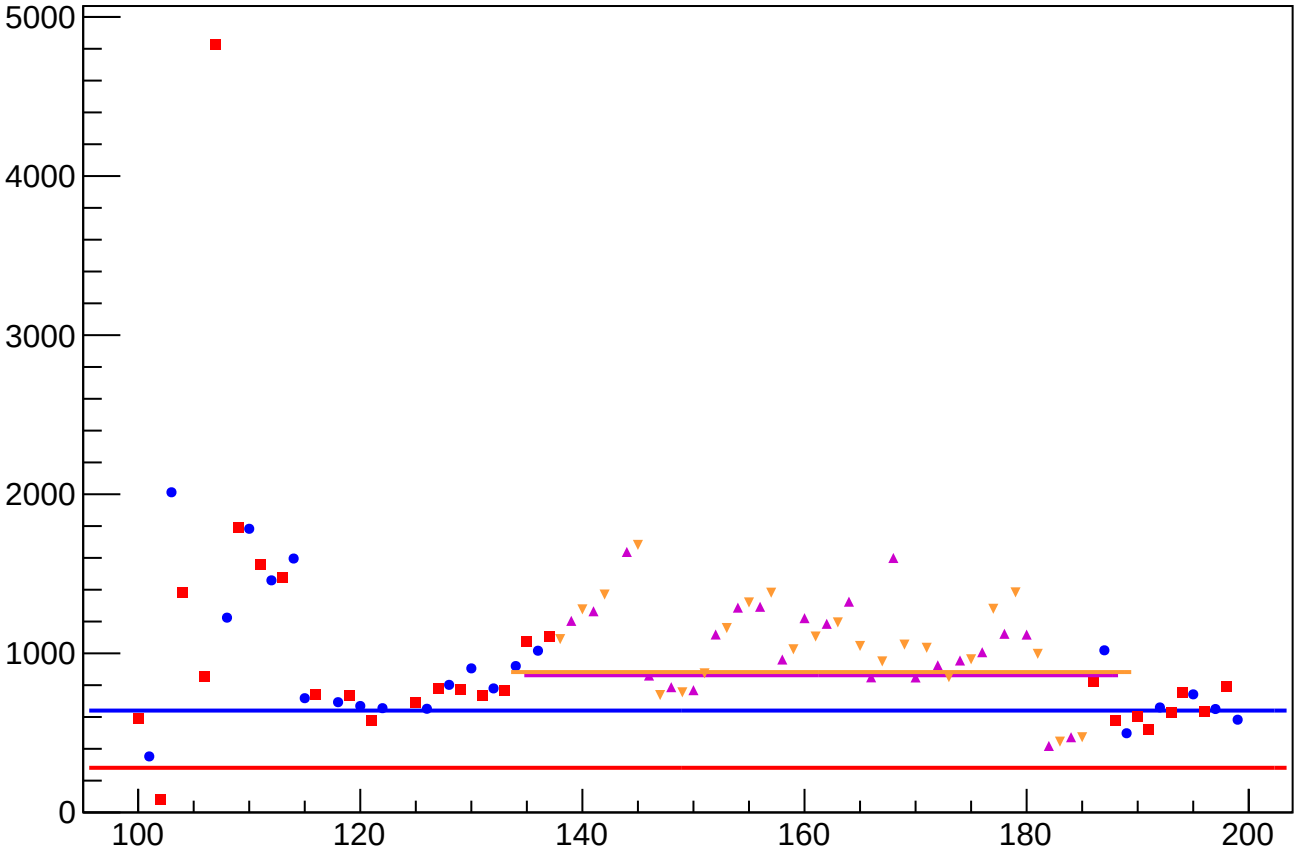
Right Out: 61.435+/-125.196 χ^2/NDF: 32.4/25

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -214.183+/-149.627 χ^2/NDF: 60.6/45

All: -23.693+/-87.738 χ^2/NDF: 108.3/94

- sign 76.126+/-108.314 χ^2/NDF: 45.3/48



Right In: 640.358+/-0.145 χ^2/NDF: 2947734.8/21

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 280.650+/-0.089 χ^2/NDF: 13343608.3/25

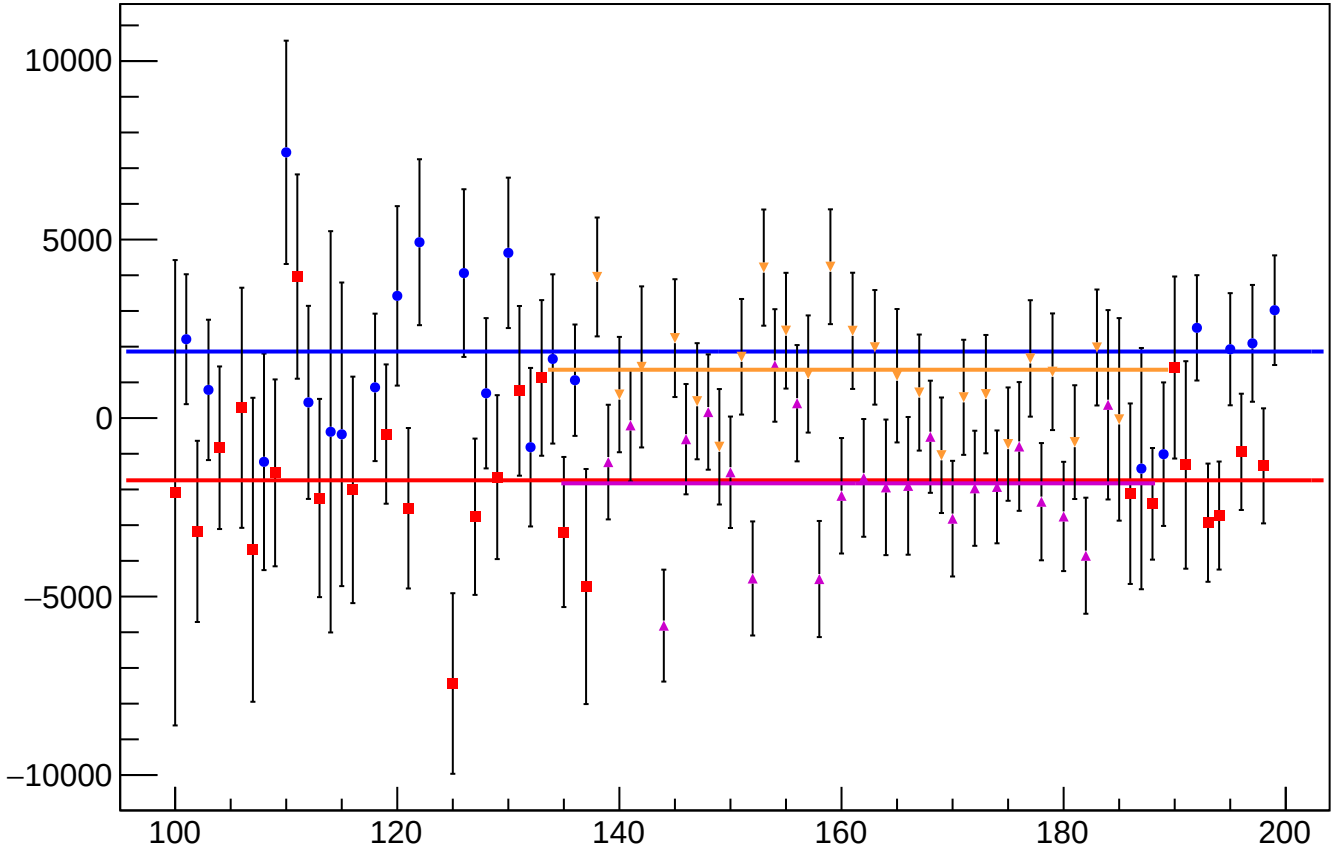
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 754.008+/-0.106 χ^2/NDF: 8153062.5/45

All: 539.400+/-0.062 χ^2/NDF: 42993946.3/94

- sign 426.941+/-0.077 χ^2/NDF: 28570535.1/48

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1863.762+/-447.479 χ^2/NDF: 16.1/21

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1743.737+/-441.294 χ^2/NDF: 18.1/25

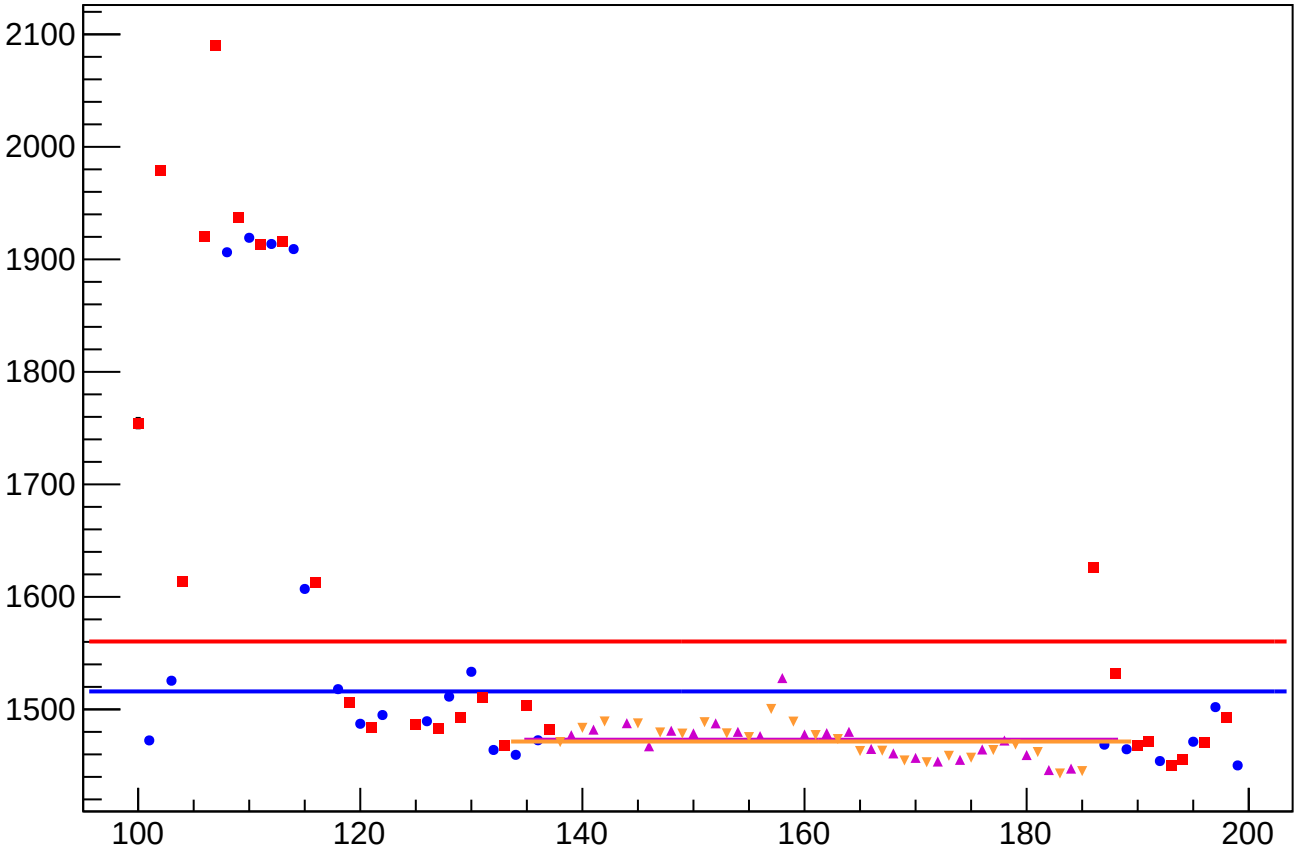
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1541.471+/-271.510 χ^2/NDF: 35.8/45

All: -128.810+/-191.907 χ^2/NDF: 155.3/94

- sign -1796.311+/-271.284 χ^2/NDF: 43.9/48

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1515.973+/-0.316 χ^2/NDF: 136774.1/21

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1560.353+/-0.312 χ^2/NDF: 267846.0/25

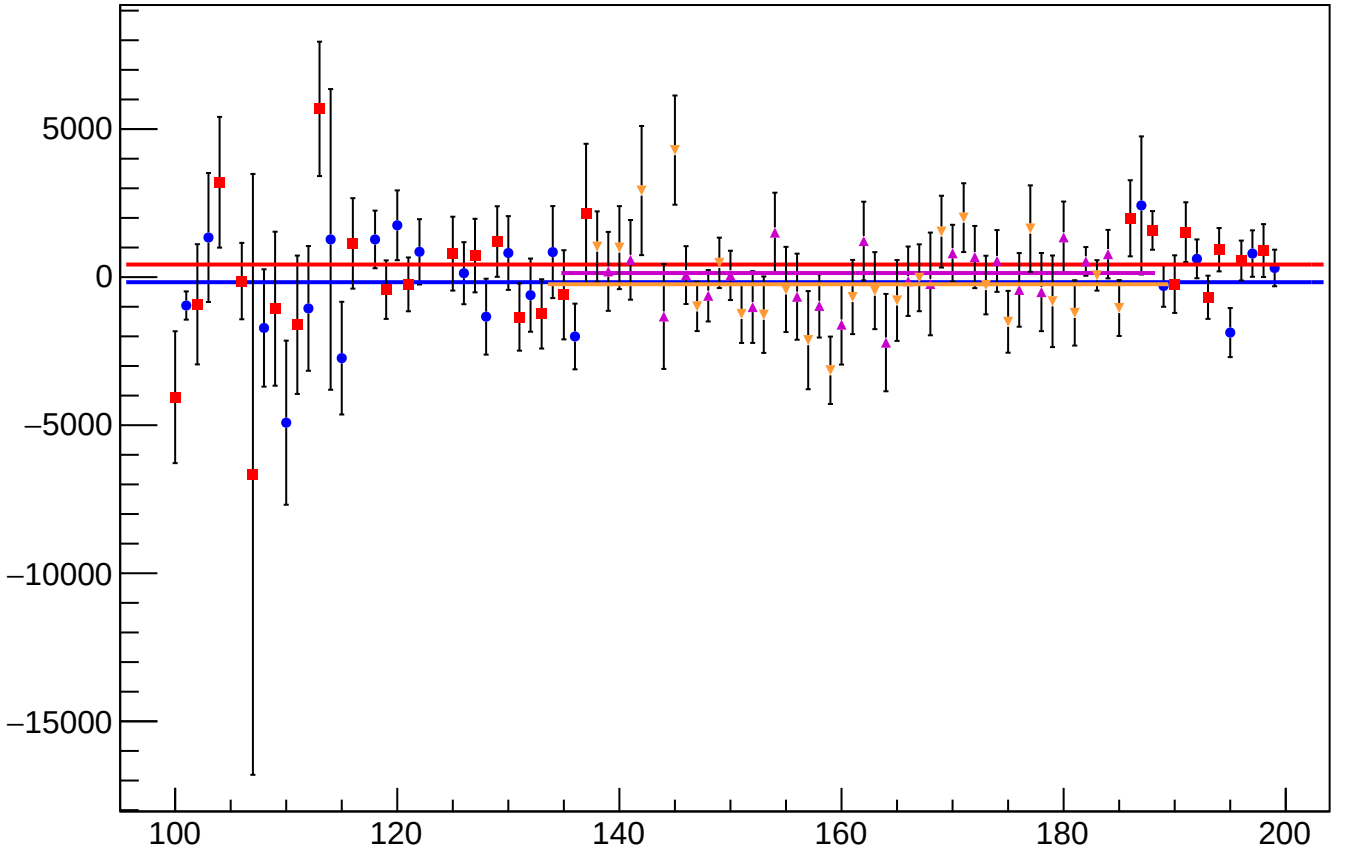
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1487.833+/-0.192 χ^2/NDF: 152728.4/45

All: 1496.945+/-0.136 χ^2/NDF: 478523.5/94

- sign 1506.042+/-0.192 χ^2/NDF: 321293.4/48

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -171.050+/-211.203 χ^2/NDF: 28.4/21

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 425.717+/-219.481 χ^2/NDF: 30.0/25

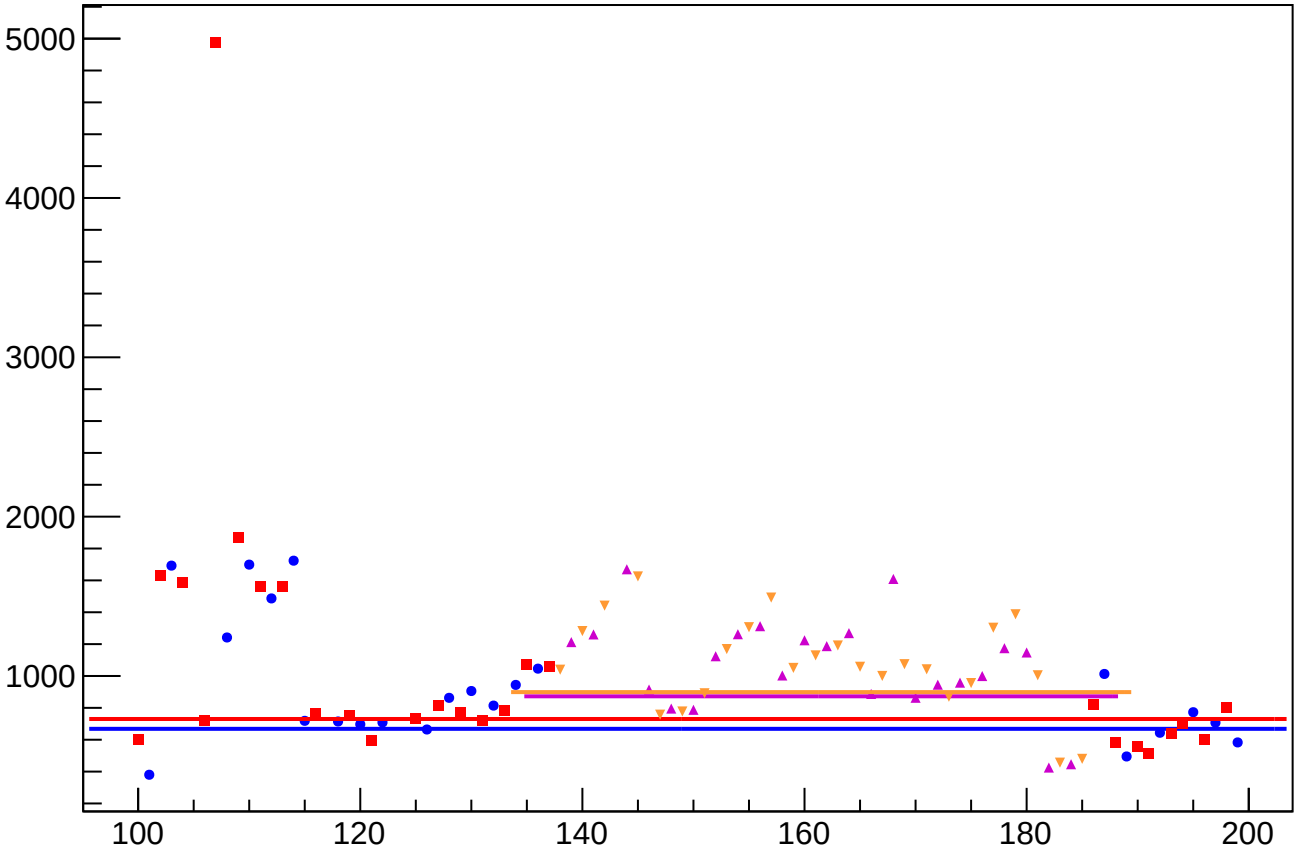
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -203.968+/-152.948 χ^2/NDF: 60.9/45

All: 35.737+/-108.814 χ^2/NDF: 109.8/94

- sign 281.411+/-154.841 χ^2/NDF: 43.9/48

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 668.380+/-0.149 χ^2/NDF: 2699646.3/21

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 730.165+/-0.155 χ^2/NDF: 2549205.4/25

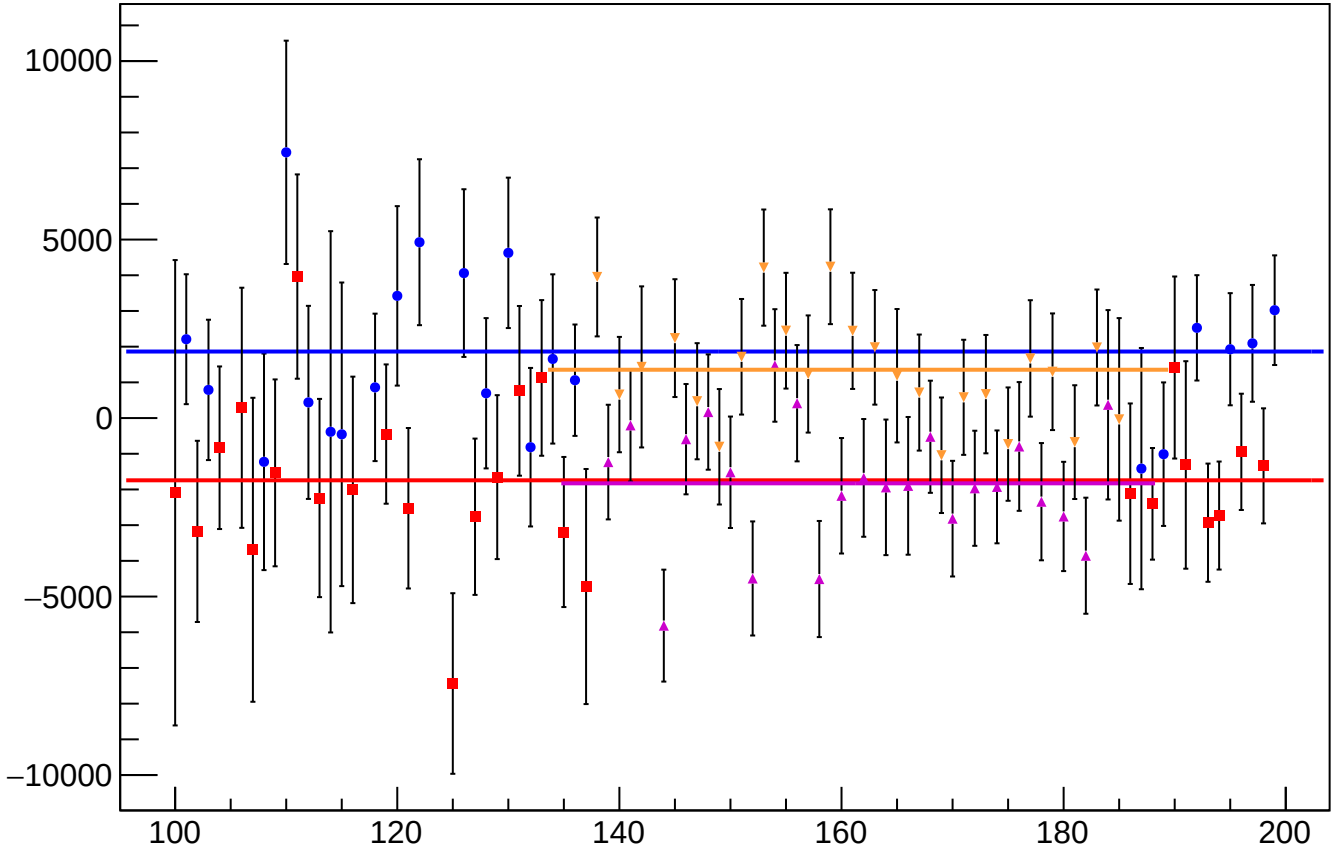
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 777.984+/-0.108 χ^2/NDF: 7623754.2/45

All: 789.669+/-0.077 χ^2/NDF: 15054435.5/94

- sign 801.645+/-0.109 χ^2/NDF: 7407044.8/48

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1863.761+/-447.479 χ^2/NDF: 16.1/21

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1743.735+/-441.294 χ^2/NDF: 18.1/25

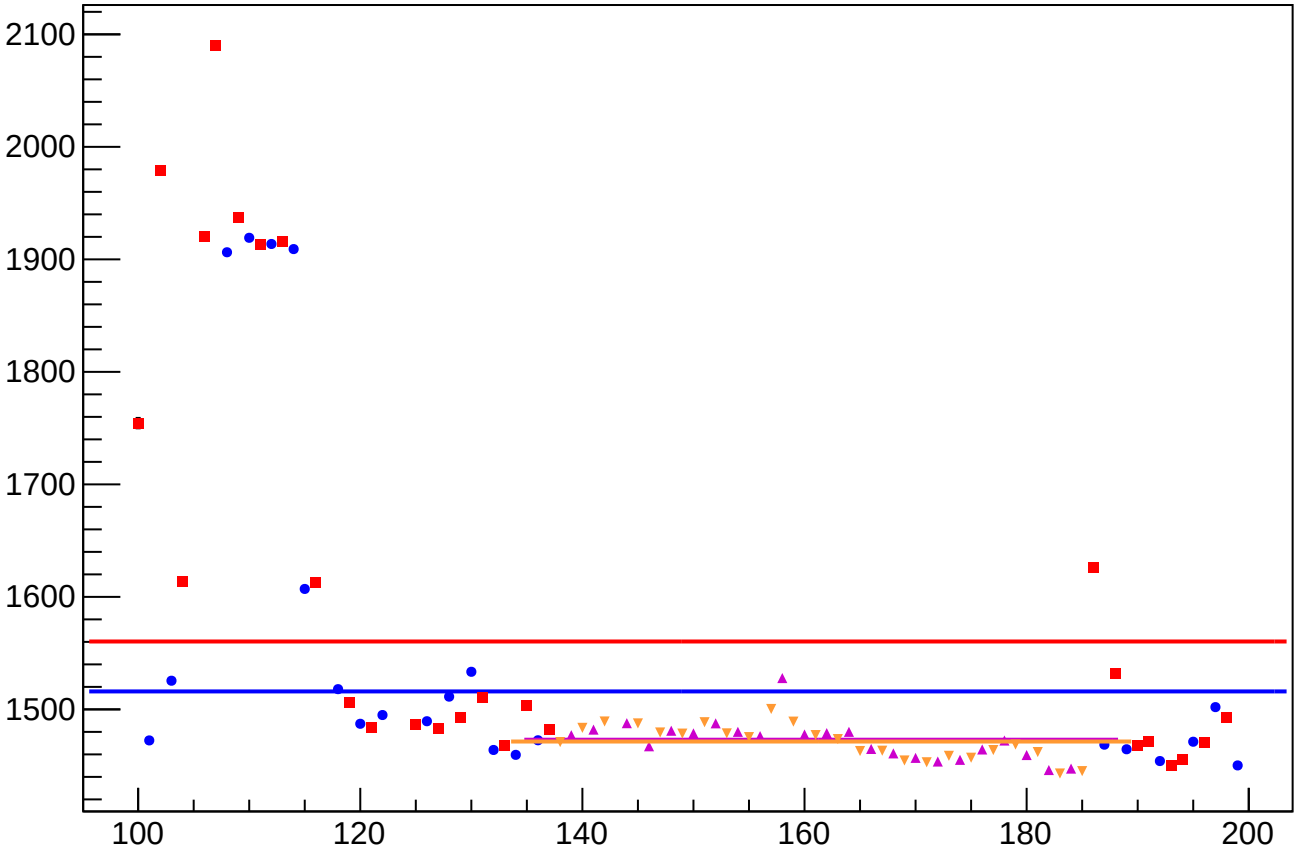
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1541.470+/-271.510 χ^2/NDF: 35.8/45

All: -128.811+/-191.907 χ^2/NDF: 155.3/94

- sign -1796.311+/-271.284 χ^2/NDF: 43.9/48

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1515.972+/-0.316 χ^2/NDF: 136774.0/21

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

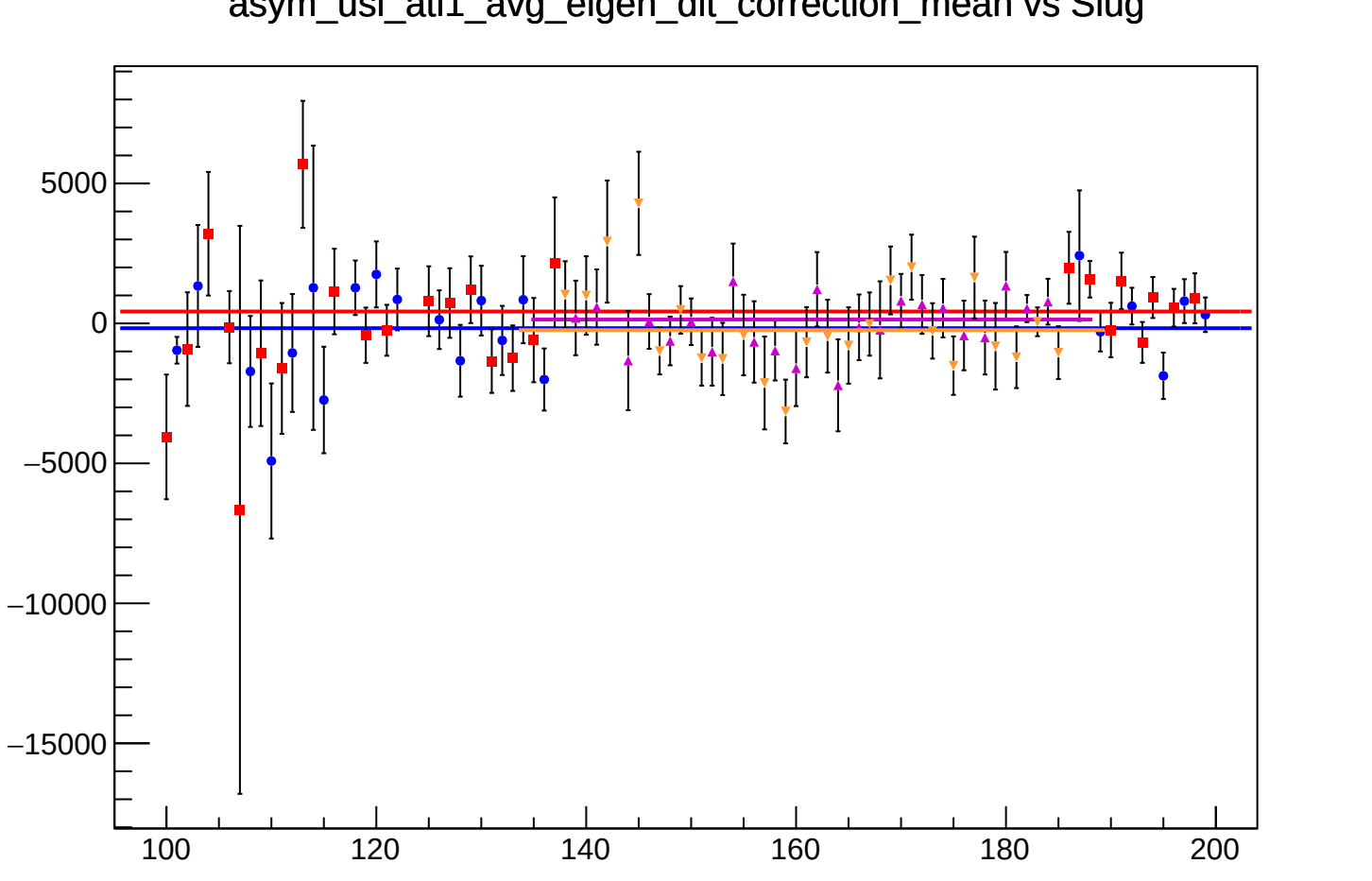
Right Out: 1560.353+/-0.312 χ^2/NDF: 267845.7/25

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1487.833+/-0.192 χ^2/NDF: 152728.3/45

All: 1496.945+/-0.136 χ^2/NDF: 478522.8/94

- sign 1506.042+/-0.192 χ^2/NDF: 321292.9/48



Right In: -171.050+/-211.203 χ^2/NDF: 28.4/21

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 425.716+/-219.481 χ^2/NDF: 30.0/25

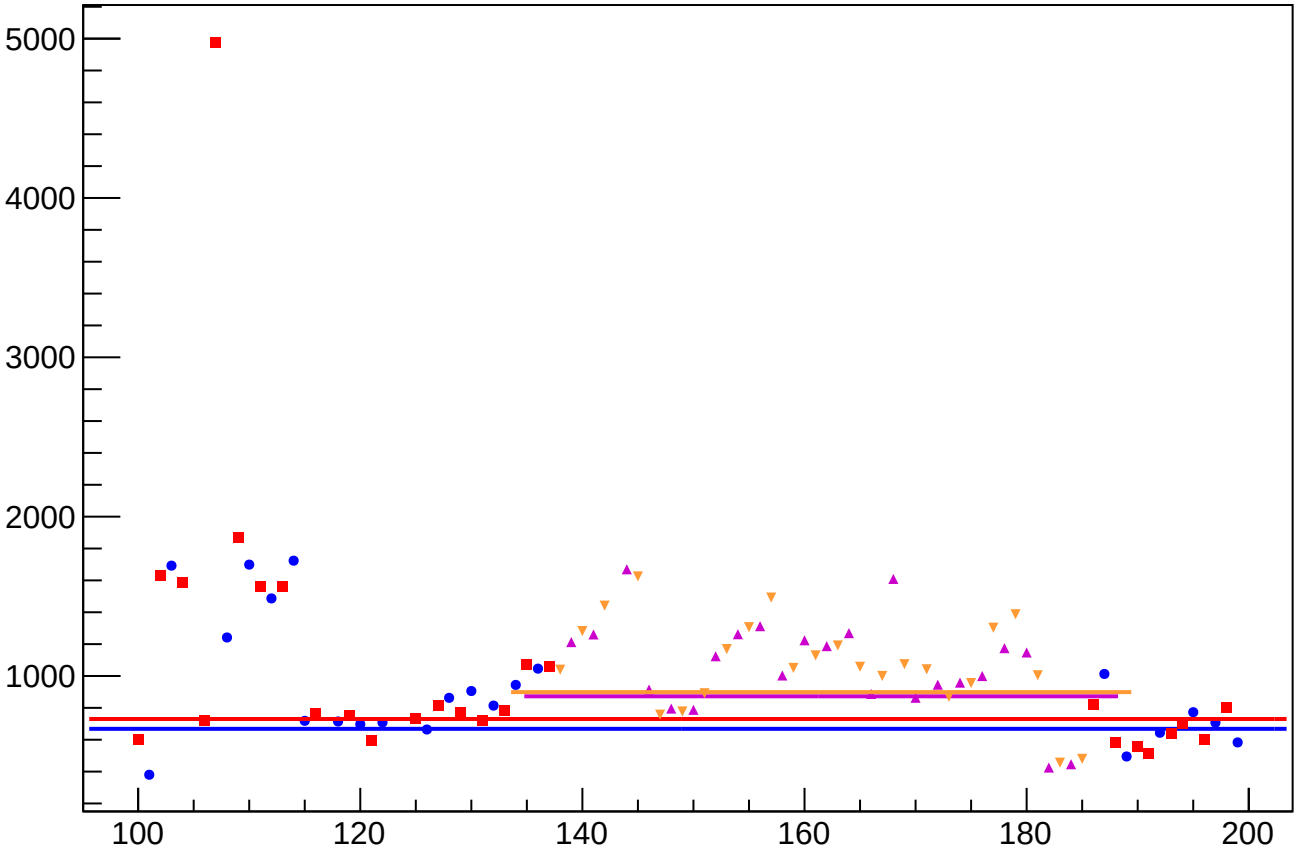
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -203.968+/-152.948 χ^2/NDF: 60.9/45

All: 35.737+/-108.814 χ^2/NDF: 109.8/94

\- sign 281.411+/-154.841 χ^2/NDF: 43.9/48

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 668.380+/-0.149 χ^2/NDF: 2699638.9/21

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 730.165+/-0.155 χ^2/NDF: 2549207.9/25

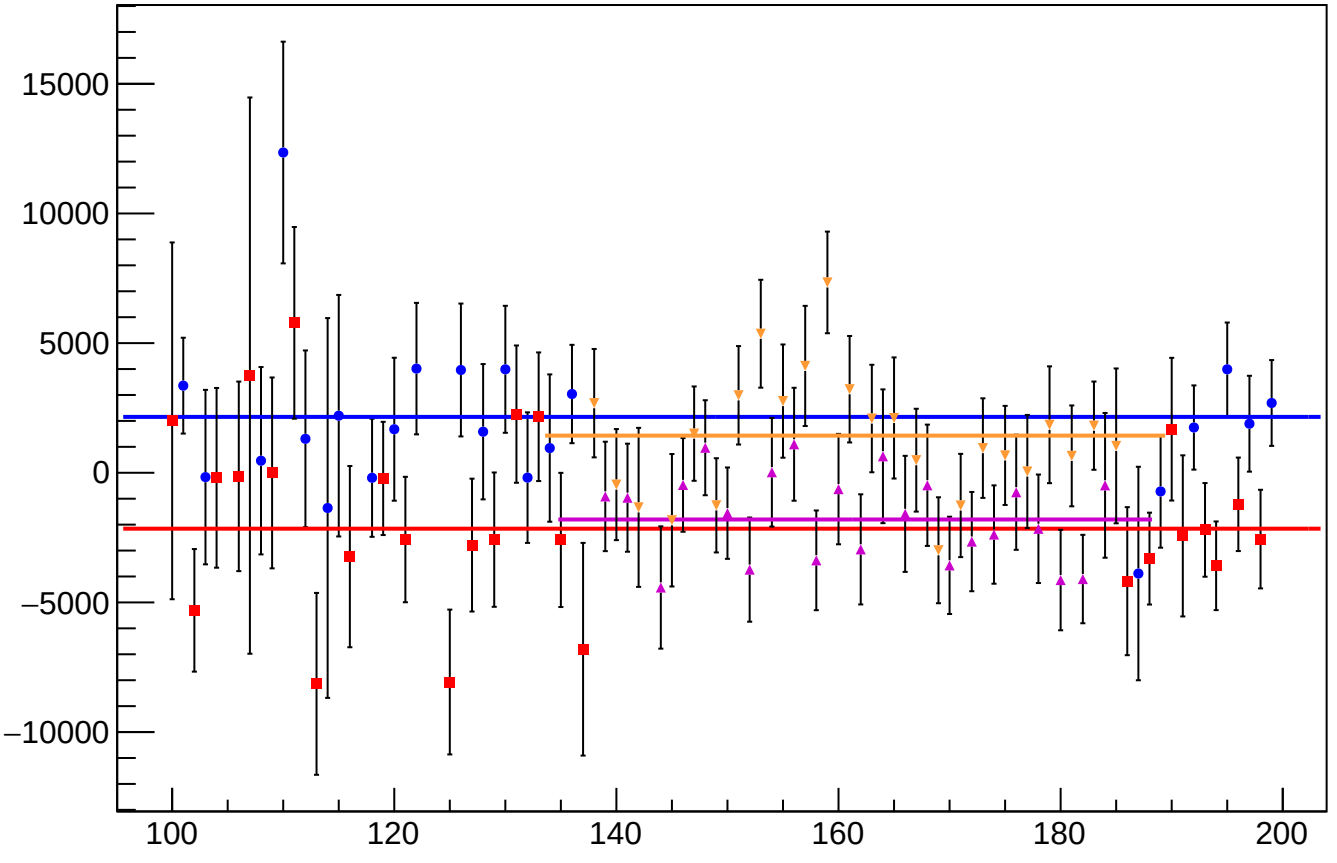
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 777.984+/-0.108 χ^2/NDF: 7623761.1/45

All: 789.669+/-0.077 χ^2/NDF: 15054459.1/94

- sign 801.645+/-0.109 χ^2/NDF: 7407061.9/48

asym_usl_atl1_avg_mean vs Slug



Right In: 2154.675+/-514.010 χ^2/NDF: 16.2/21

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2156.364+/-505.625 χ^2/NDF: 27.4/25

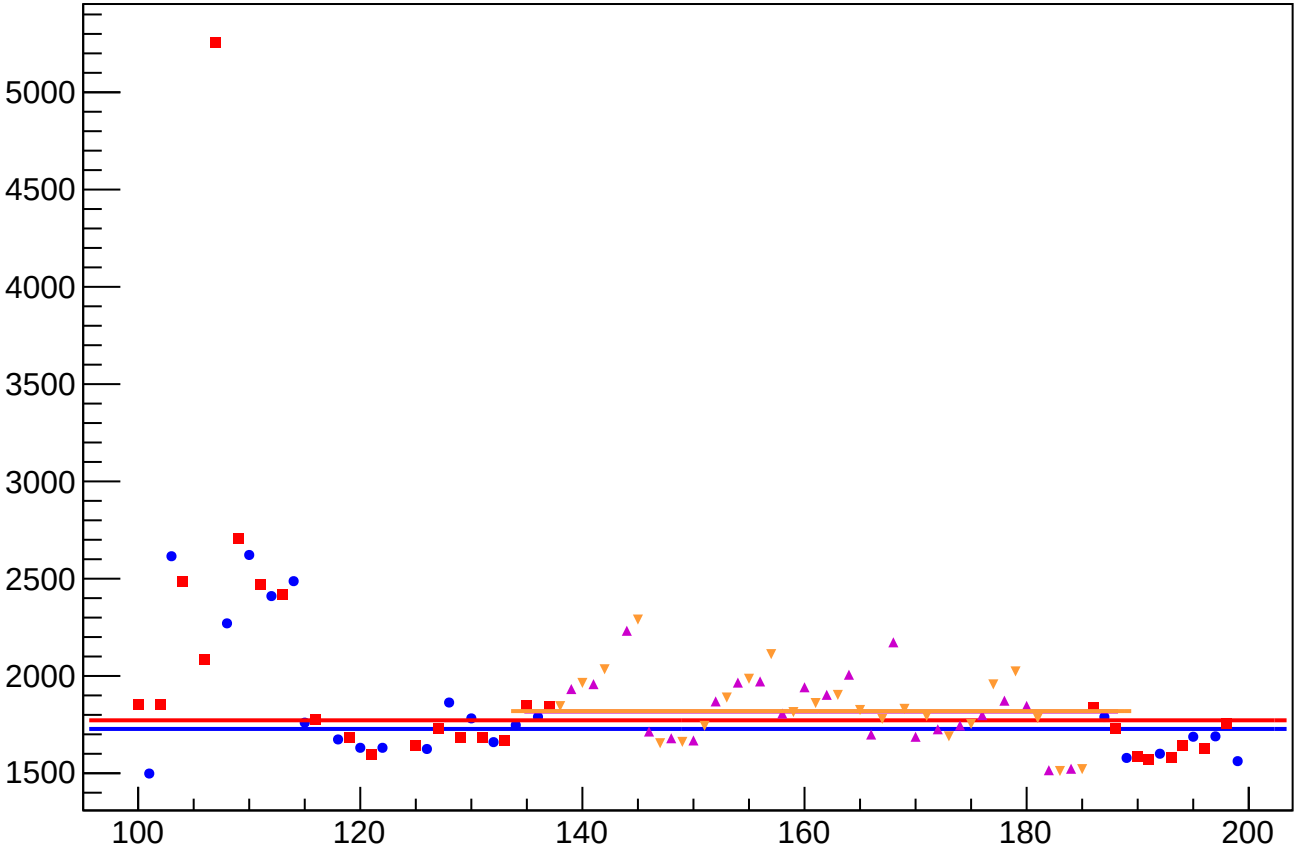
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1725.787+/-327.294 χ^2/NDF: 46.8/45

All: -118.900+/-230.973 χ^2/NDF: 153.1/94

- sign -1949.043+/-326.001 χ^2/NDF: 43.0/48

asym_usl_atl1_avg_rms vs Slug



Right In: 1727.684+/-0.363 χ^2/NDF: 468357.4/21

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1772.077+/-0.358 χ^2/NDF: 678226.2/25

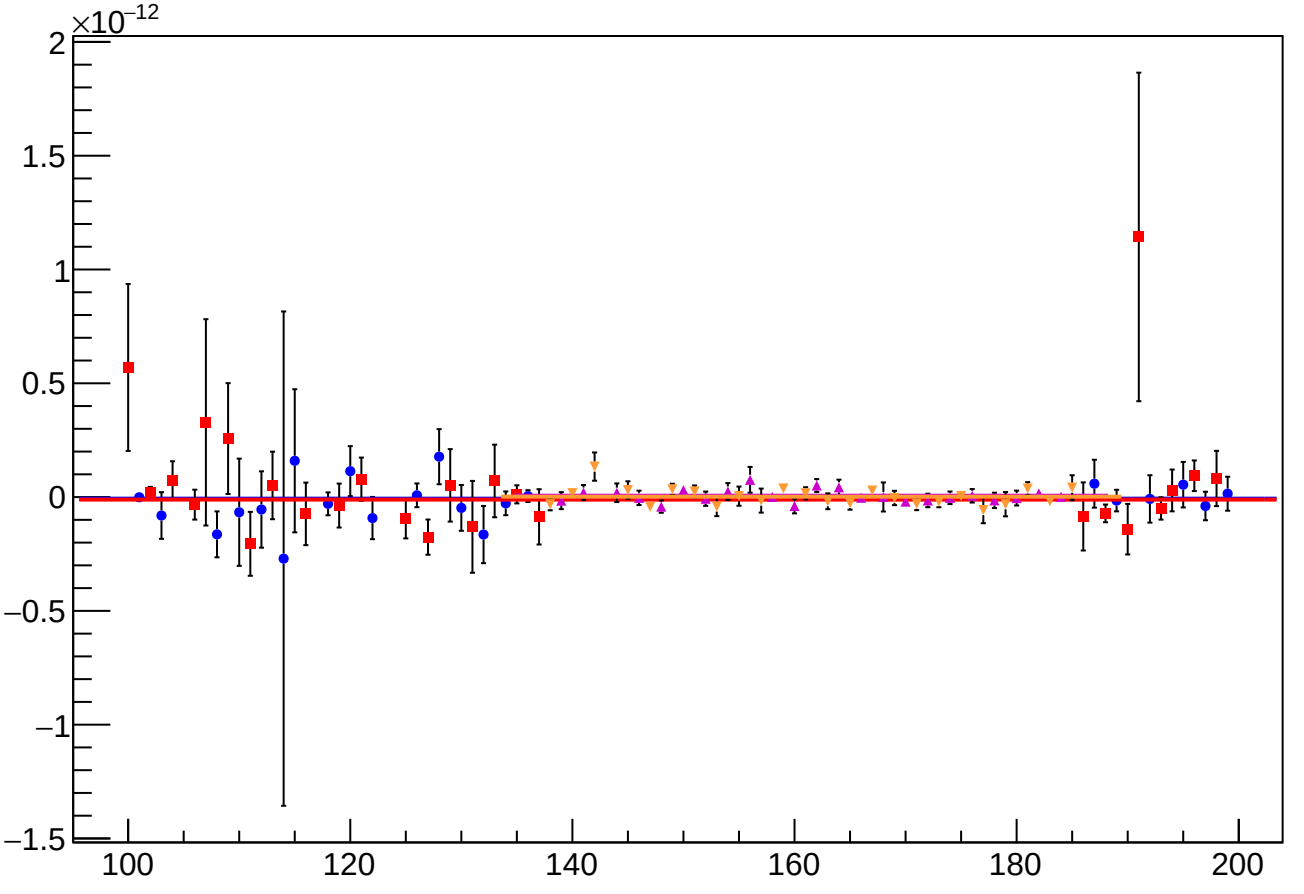
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1782.224+/-0.231 χ^2/NDF: 801245.7/45

All: 1790.348+/-0.163 χ^2/NDF: 1798312.7/94

- 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: 11.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

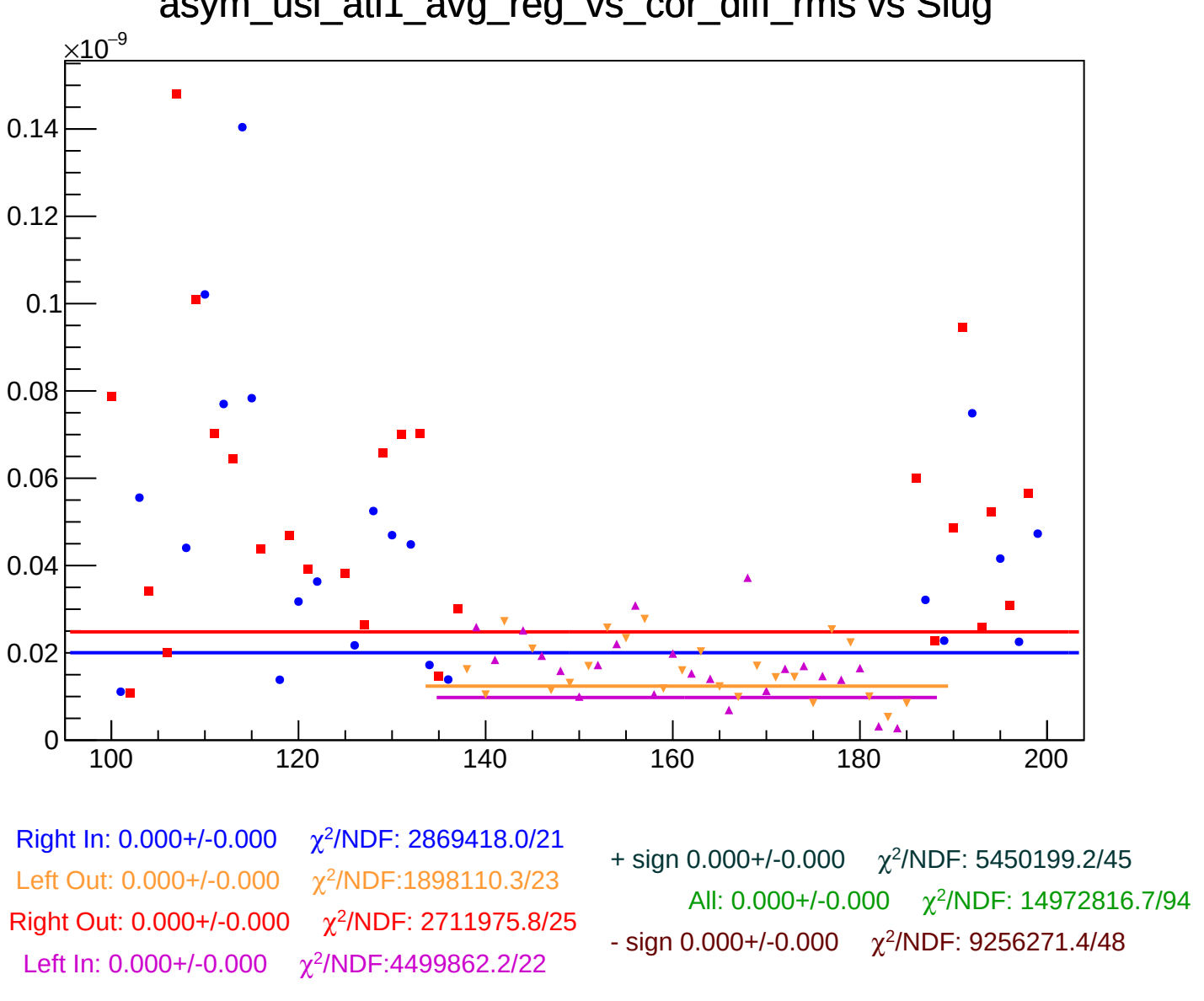
Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/25

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

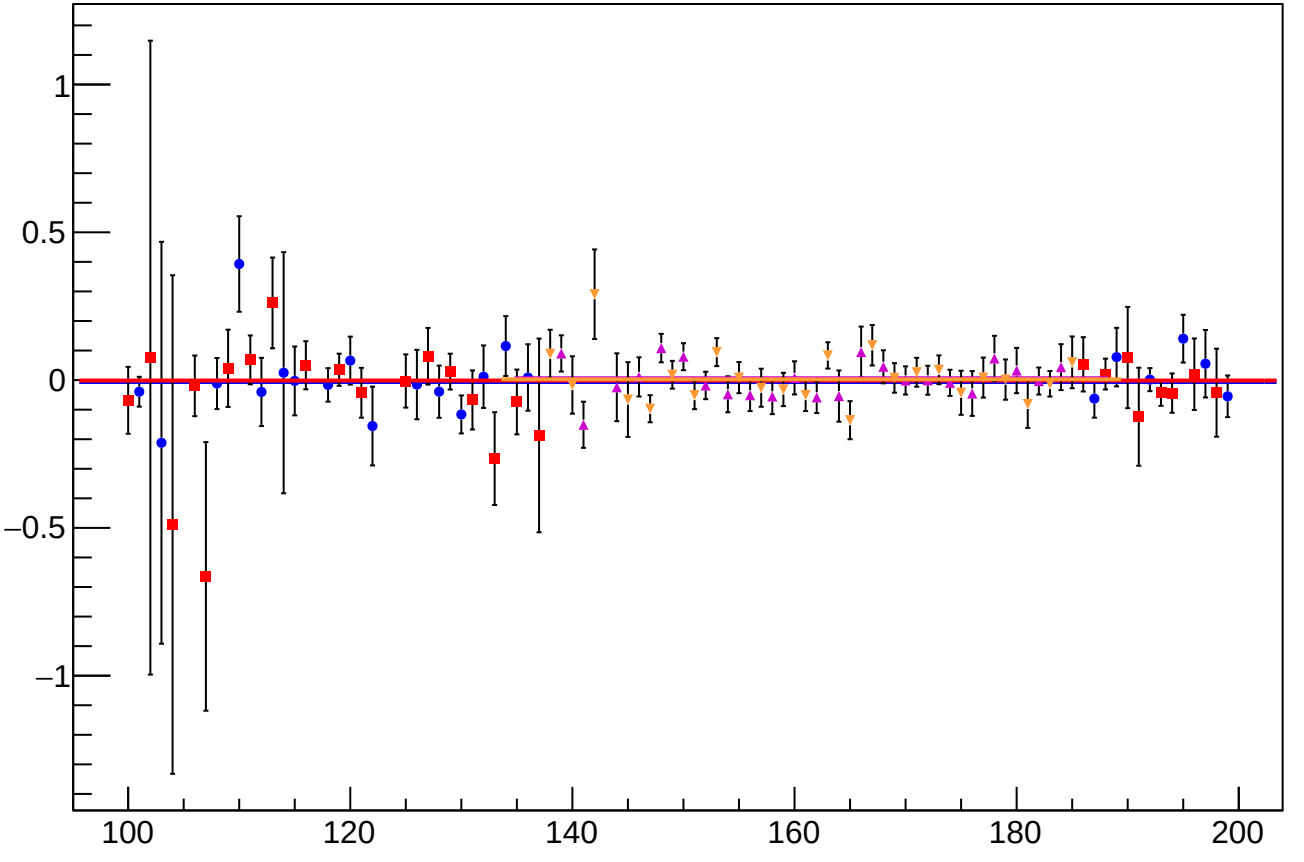
+ sign 0.000+/-0.000 χ^2/NDF: 41.2/45

All: 0.000+/-0.000 χ^2/NDF: 88.2/94

- 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: 2869418.0/21
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: 5450199.2/45
All: 0.000+/-0.000 χ²/NDF: 14972816.7/94
- sign 0.000+/-0.000 χ²/NDF: 9256271.4/48

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.4/25

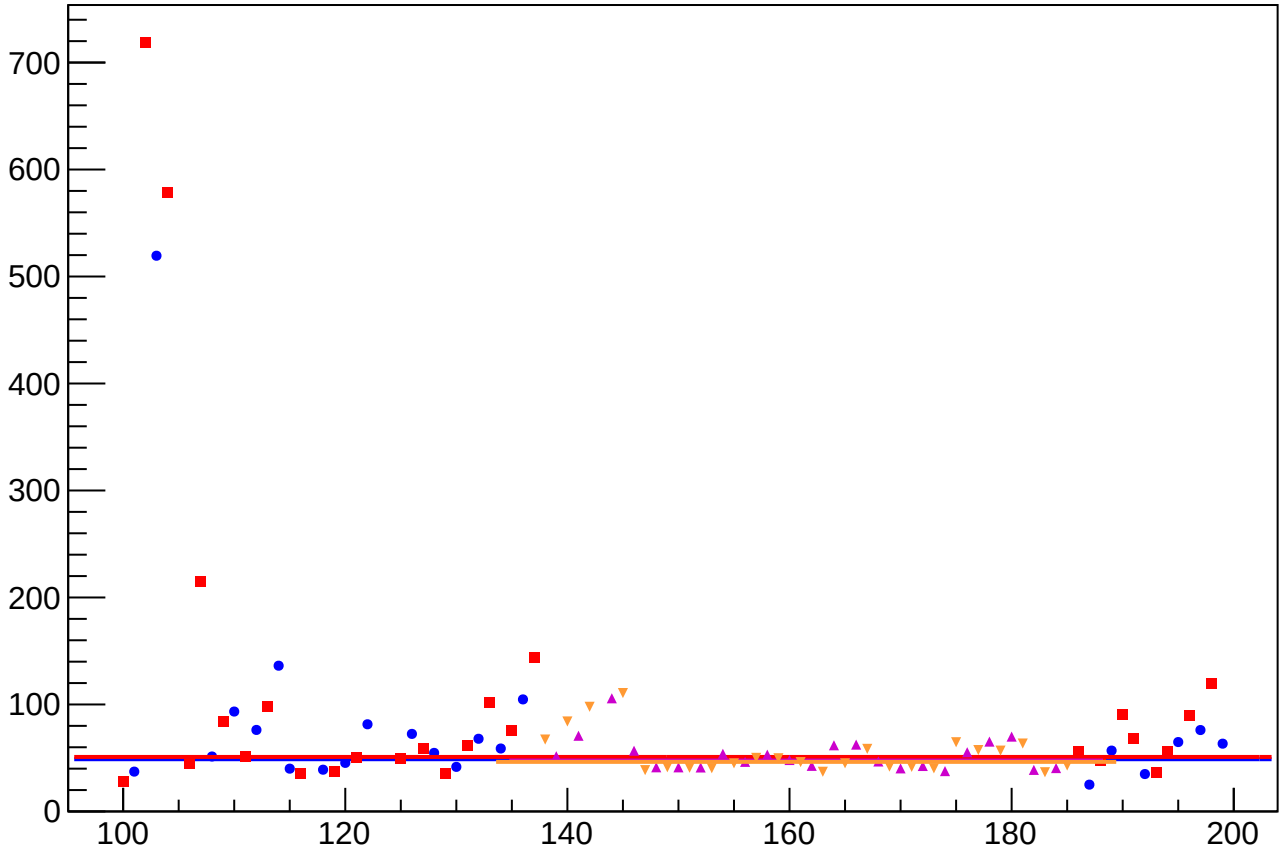
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.000+/-0.010 χ^2/NDF: 49.0/45

All: 0.002+/-0.007 χ^2/NDF: 86.3/94

\- sign 0.004+/-0.010 χ^2/NDF: 37.2/48

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 48.827+/-0.012 χ^2/NDF: 3127701.8/21

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

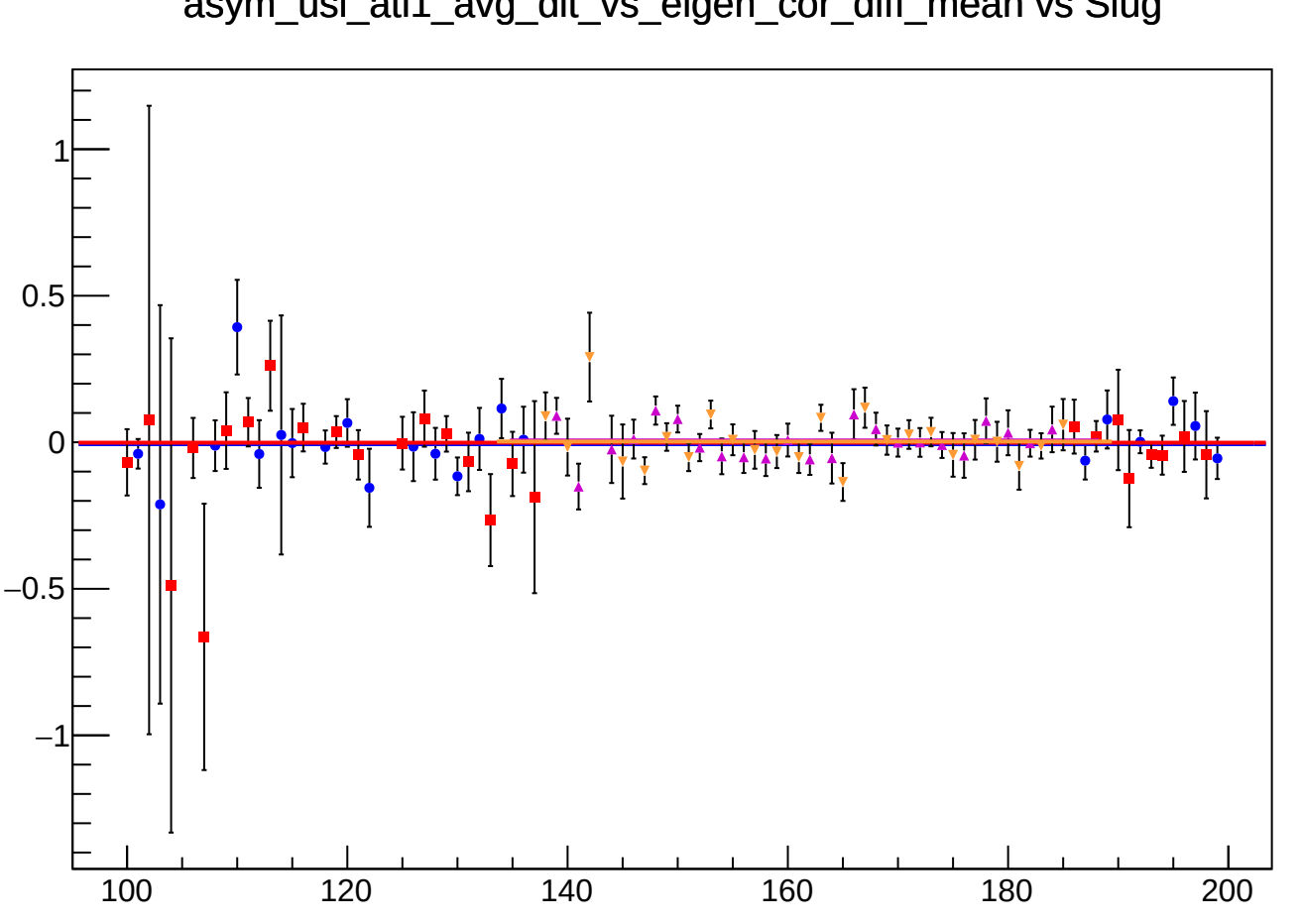
Right Out: 50.948+/-0.012 χ^2/NDF: 4062142.3/25

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.154+/-0.007 χ^2/NDF: 5123447.5/45

All: 47.890+/-0.005 χ^2/NDF: 10834636.9/94

- sign 48.659+/-0.007 χ^2/NDF: 5688025.0/48



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.4/25

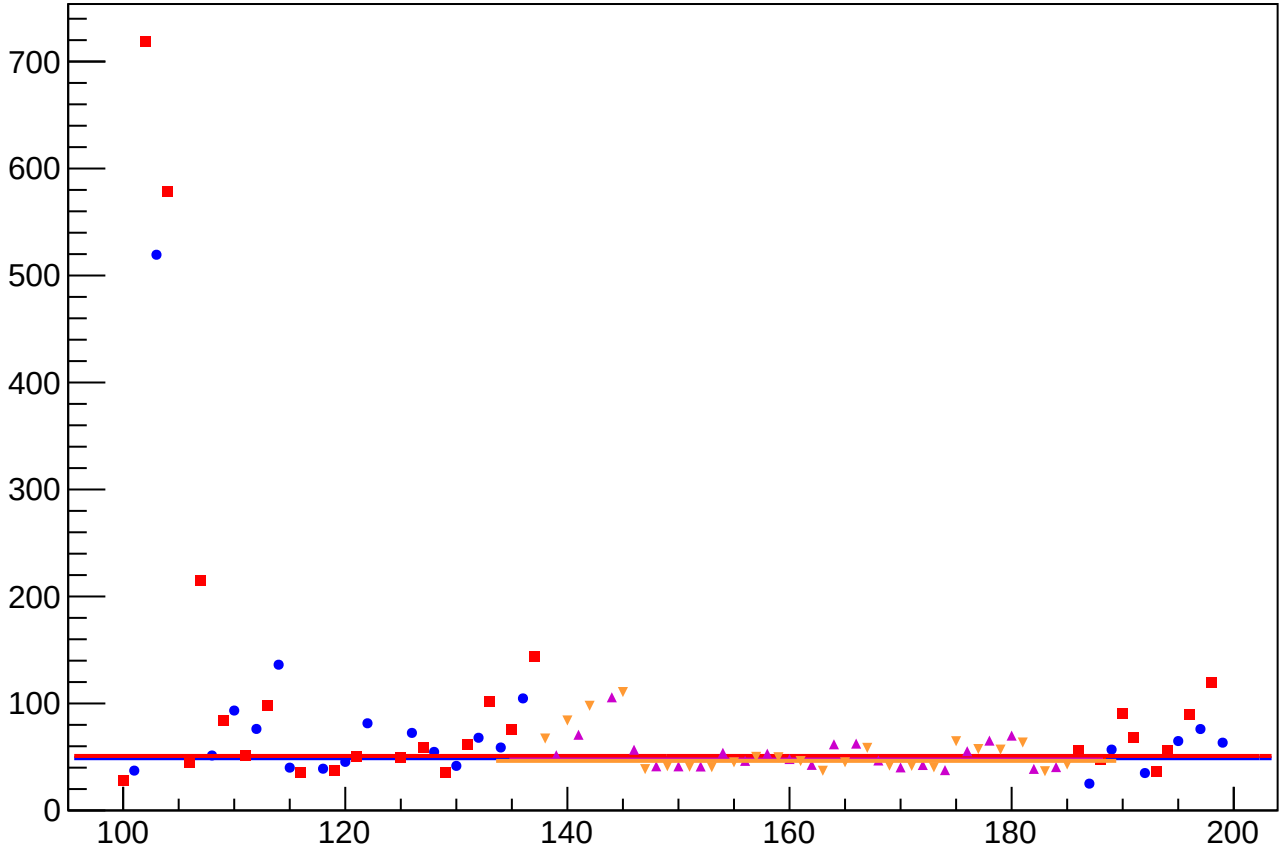
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.010 χ^2/NDF: 49.0/45

All: 0.002+/-0.007 χ^2/NDF: 86.3/94

- 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: 48.827+/-0.012 χ^2/NDF: 3127701.8/21

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

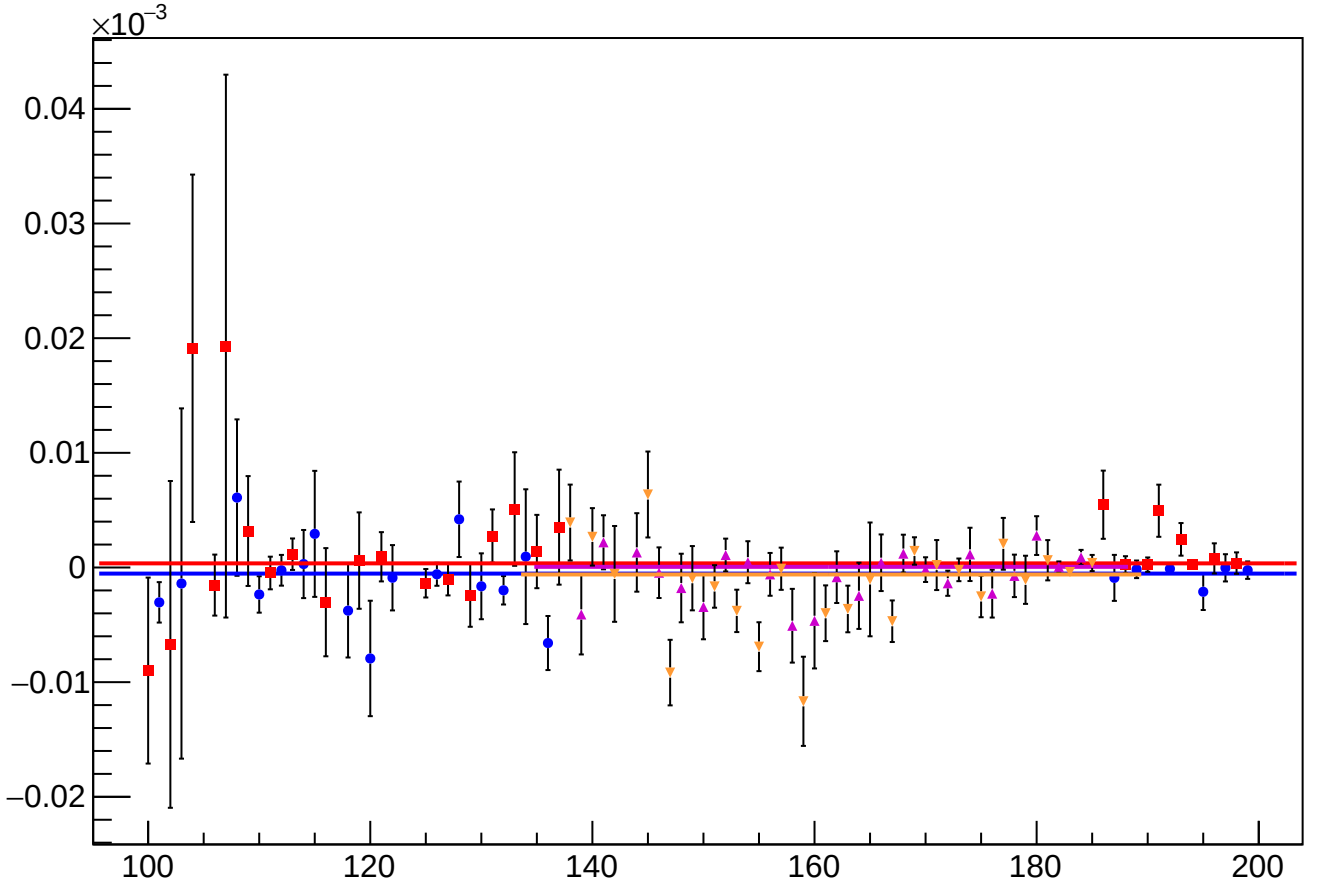
Right Out: 50.948+/-0.012 χ^2/NDF: 4062142.3/25

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.154+/-0.007 χ^2/NDF: 5123447.5/45

All: 47.890+/-0.005 χ^2/NDF: 10834636.9/94

- sign 48.659+/-0.007 χ^2/NDF: 5688025.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

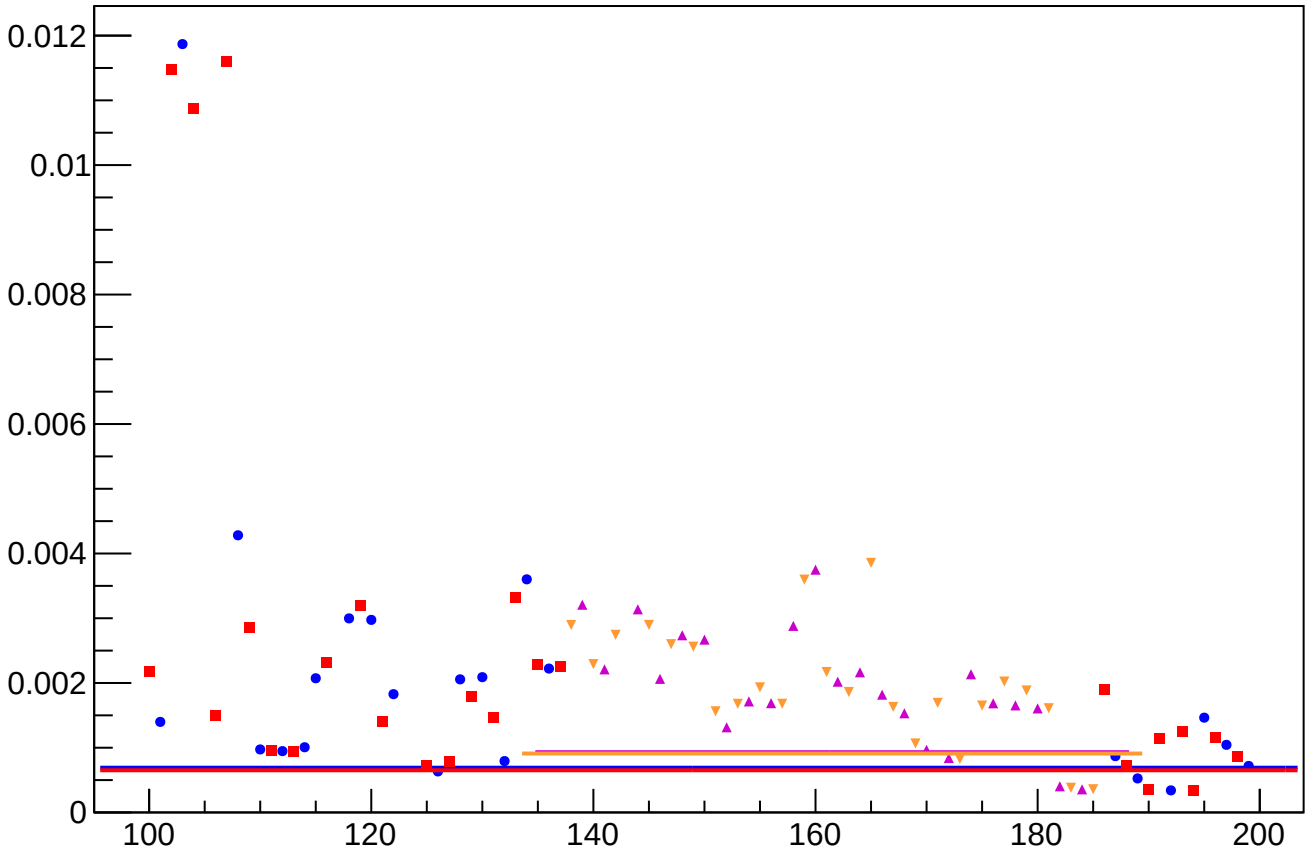
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/25

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.5/45

All: -0.000+/-0.000 χ^2/NDF: 124.0/94

- sign 0.000+/-0.000 χ^2/NDF: 40.4/48



Right In: 0.001+/-0.000 χ^2/NDF: 7997990.4/21

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

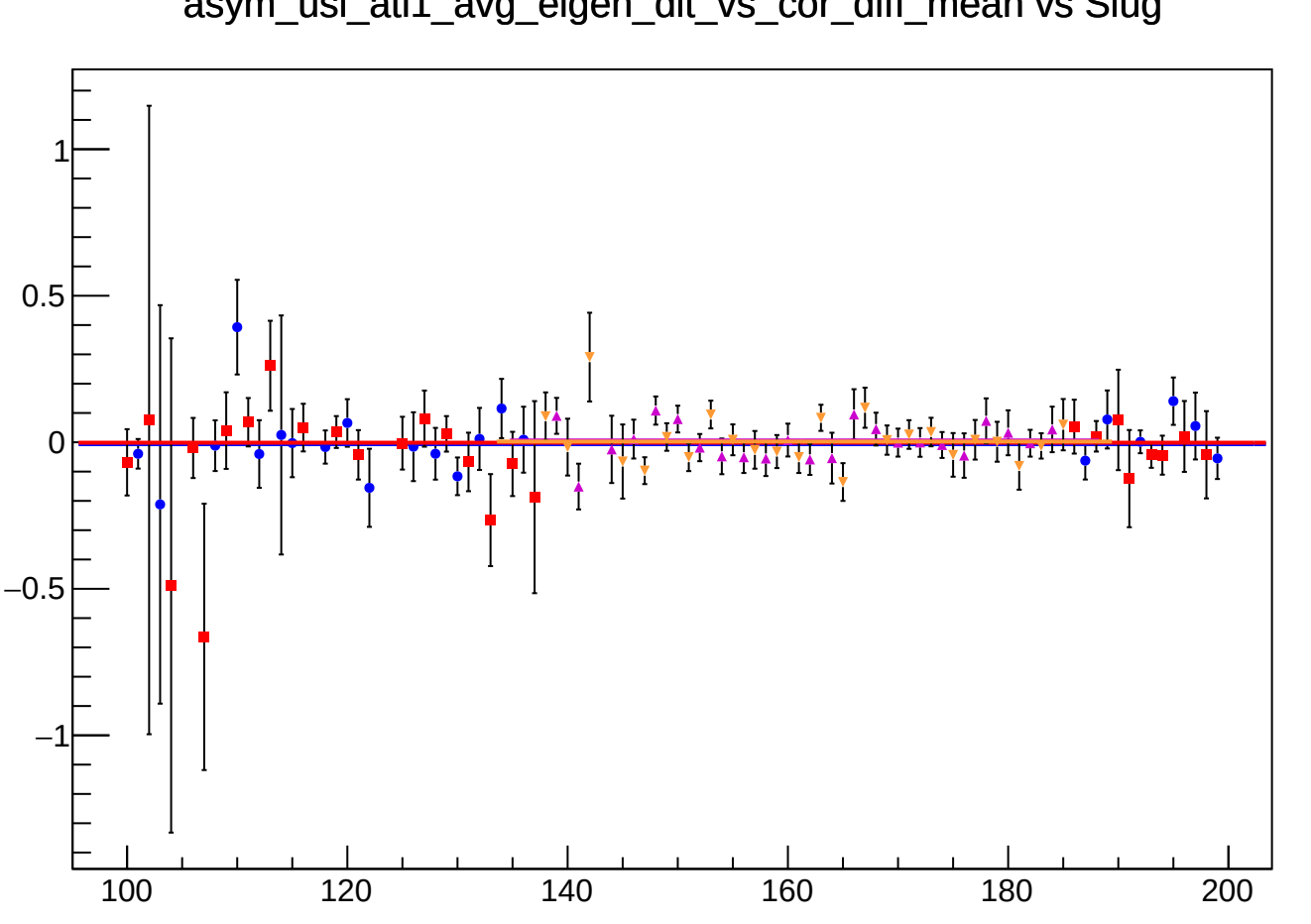
Right Out: 0.001+/-0.000 χ^2/NDF: 9588504.6/25

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 22791868.4/45

All: 0.001+/-0.000 χ^2/NDF: 47216226.6/94

- sign 0.001+/-0.000 χ^2/NDF: 24407394.8/48



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.4/25

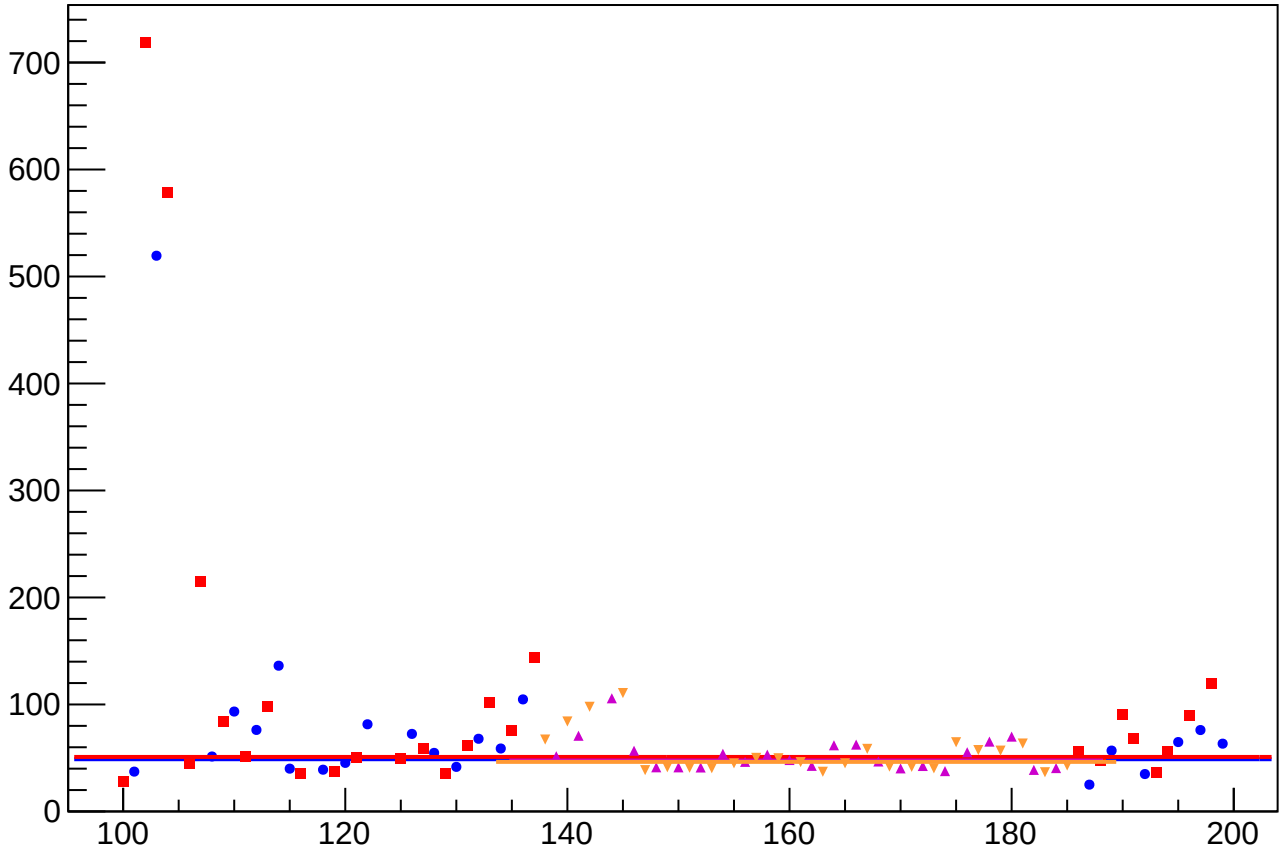
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.010 χ^2/NDF: 49.0/45

All: 0.002+/-0.007 χ^2/NDF: 86.3/94

- 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: 48.827+/-0.012 χ^2/NDF: 3127705.1/21

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

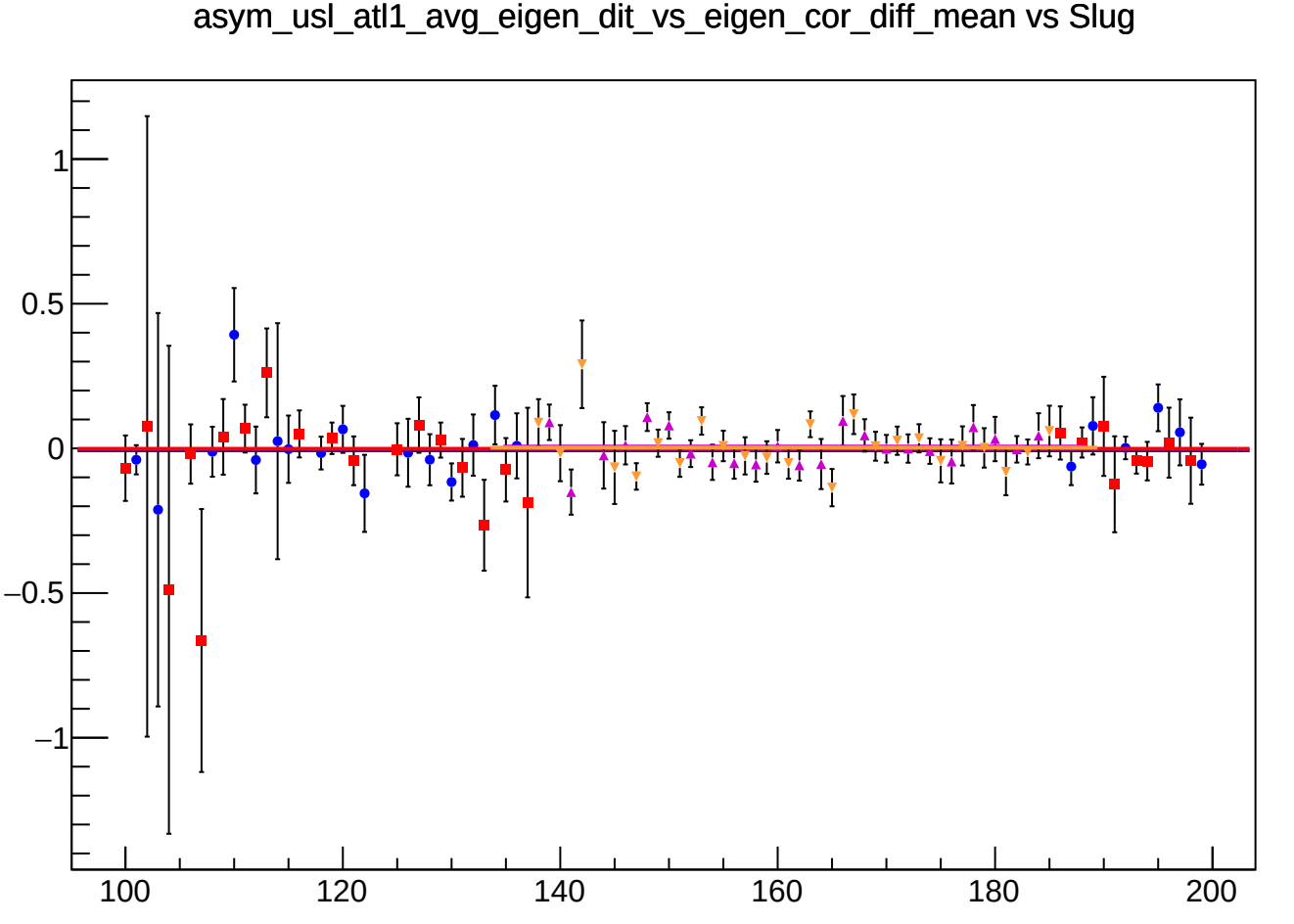
Right Out: 50.948+/-0.012 χ^2/NDF: 4062149.5/25

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.154+/-0.007 χ^2/NDF: 5123433.7/45

All: 47.890+/-0.005 χ^2/NDF: 10834625.2/94

- sign 48.659+/-0.007 χ^2/NDF: 5688030.9/48



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

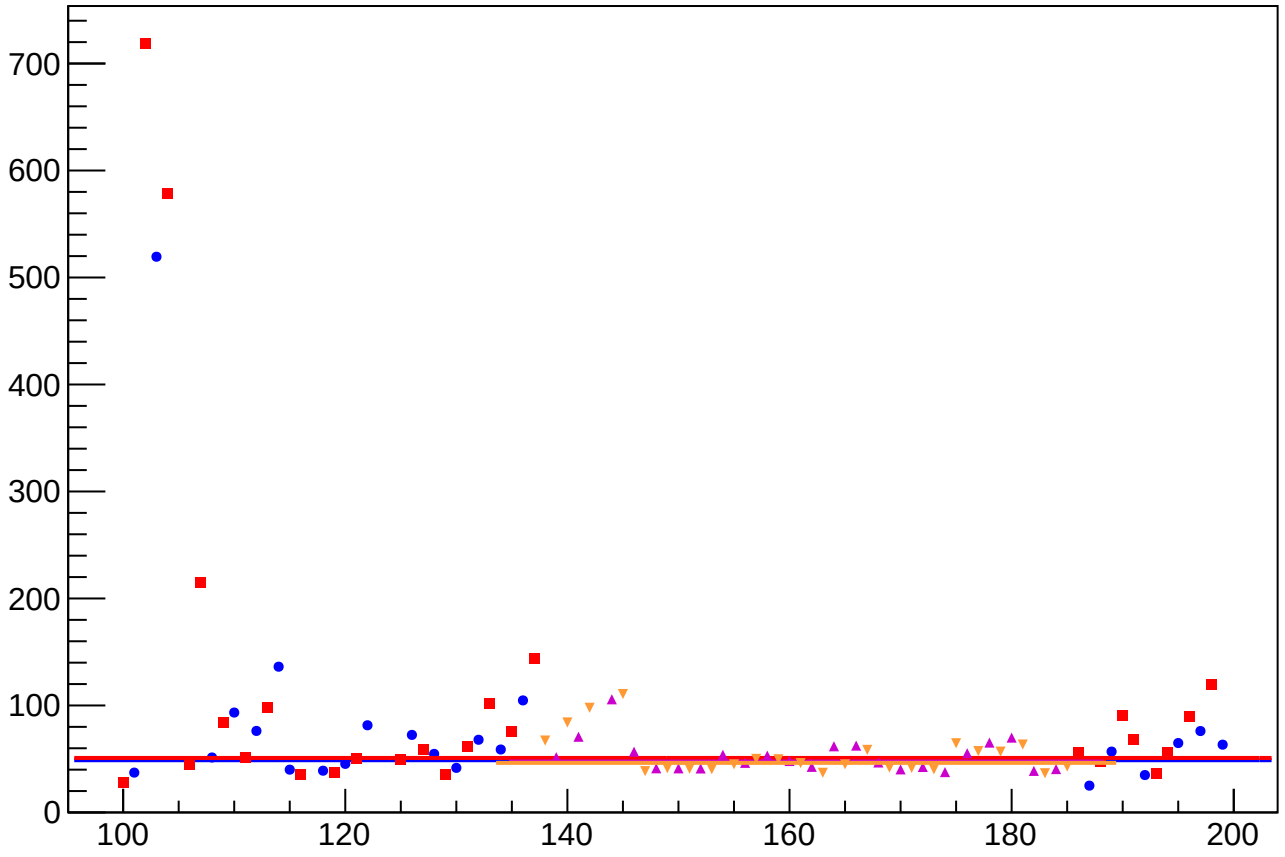
Right Out: -0.001+/-0.018 χ^2/NDF: 15.4/25

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.010 χ^2/NDF: 49.0/45

All: 0.002+/-0.007 χ^2/NDF: 86.3/94

- sign 0.004+/-0.010 χ^2/NDF: 37.2/48



Right In: 48.827+/-0.012 χ^2/NDF: 3127705.1/21

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

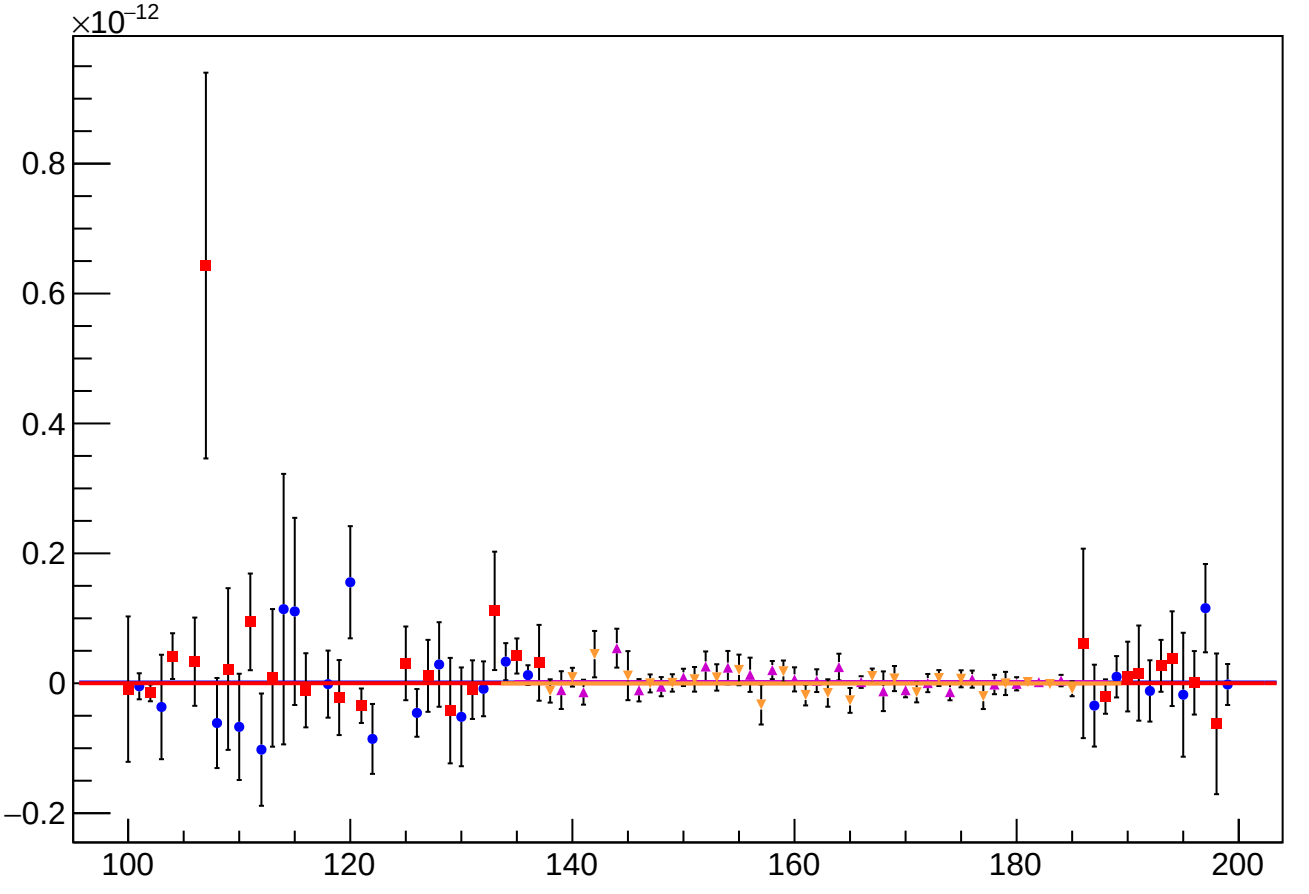
Right Out: 50.948+/-0.012 χ^2/NDF: 4062149.5/25

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.154+/-0.007 χ^2/NDF: 5123433.7/45

All: 47.890+/-0.005 χ^2/NDF: 10834625.2/94

- sign 48.659+/-0.007 χ^2/NDF: 5688030.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

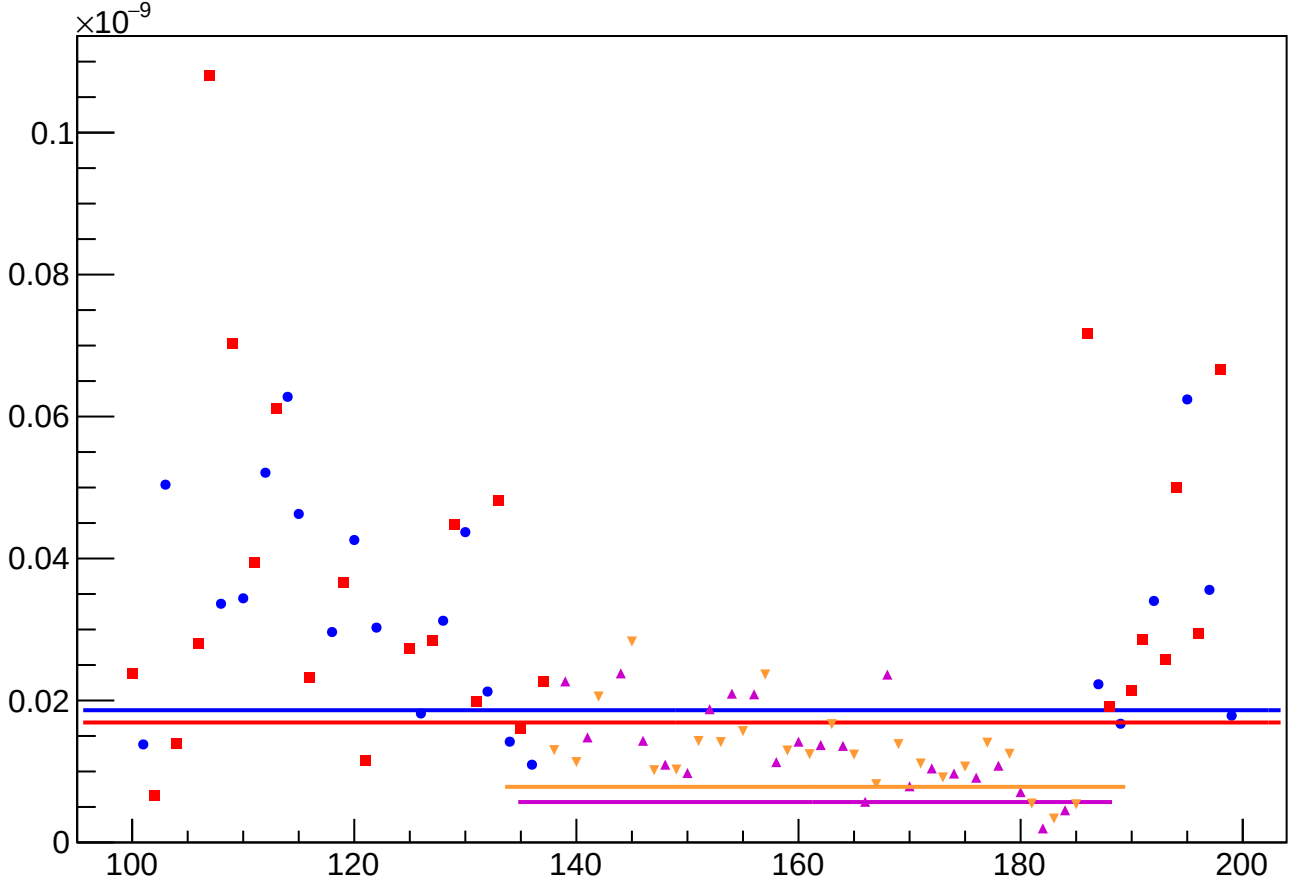
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/25

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.3/45

All: 0.000+/-0.000 χ^2/NDF: 63.0/94

- sign 0.000+/-0.000 χ^2/NDF: 31.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 3030783.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4834432.9/25

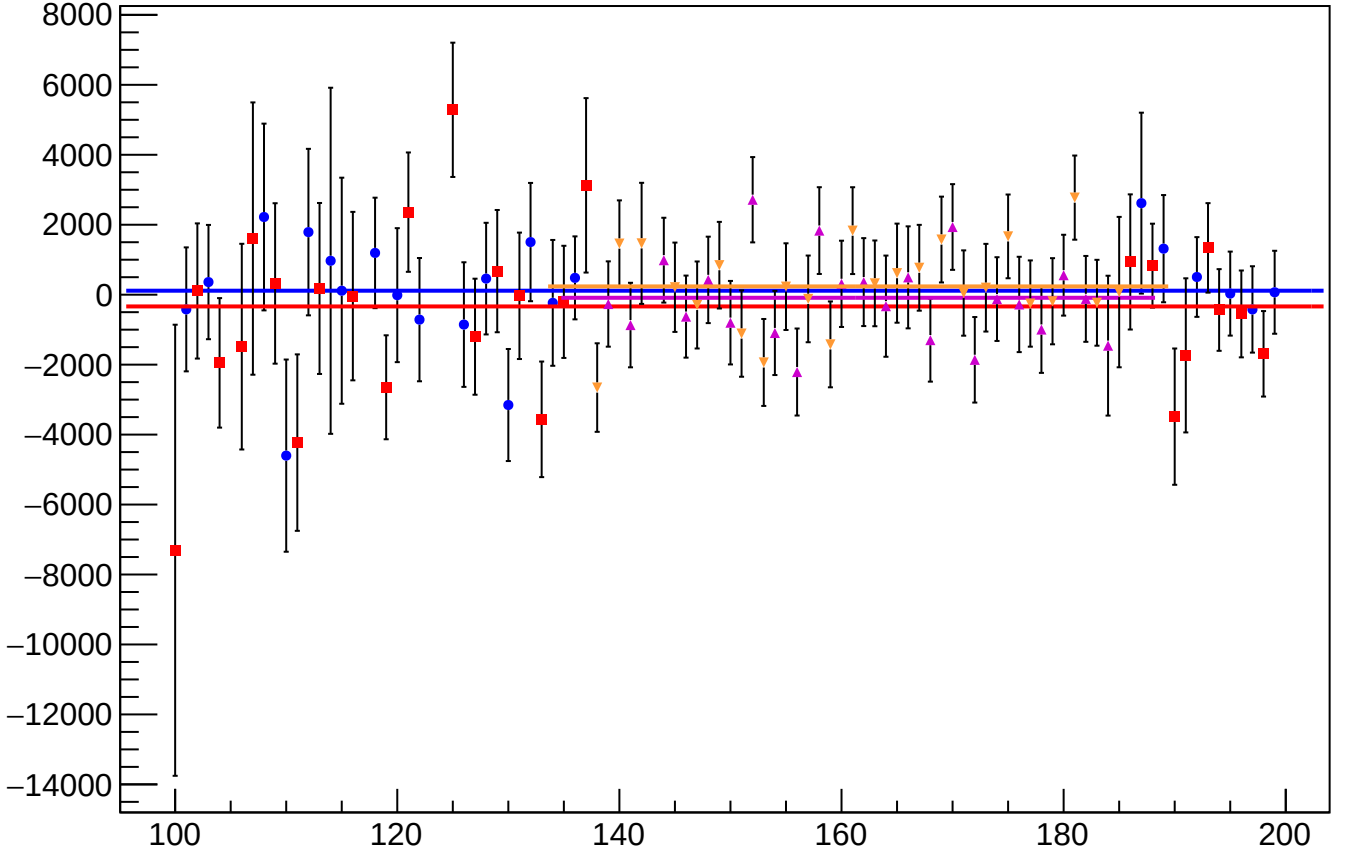
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12512612.6/45

All: 0.000+/-0.000 χ^2/NDF: 33306516.1/94

- sign 0.000+/-0.000 χ^2/NDF: 19738678.3/48

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 113.948+/-350.336 χ^2/NDF: 12.1/21

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -335.794+/-342.422 χ^2/NDF: 32.2/25

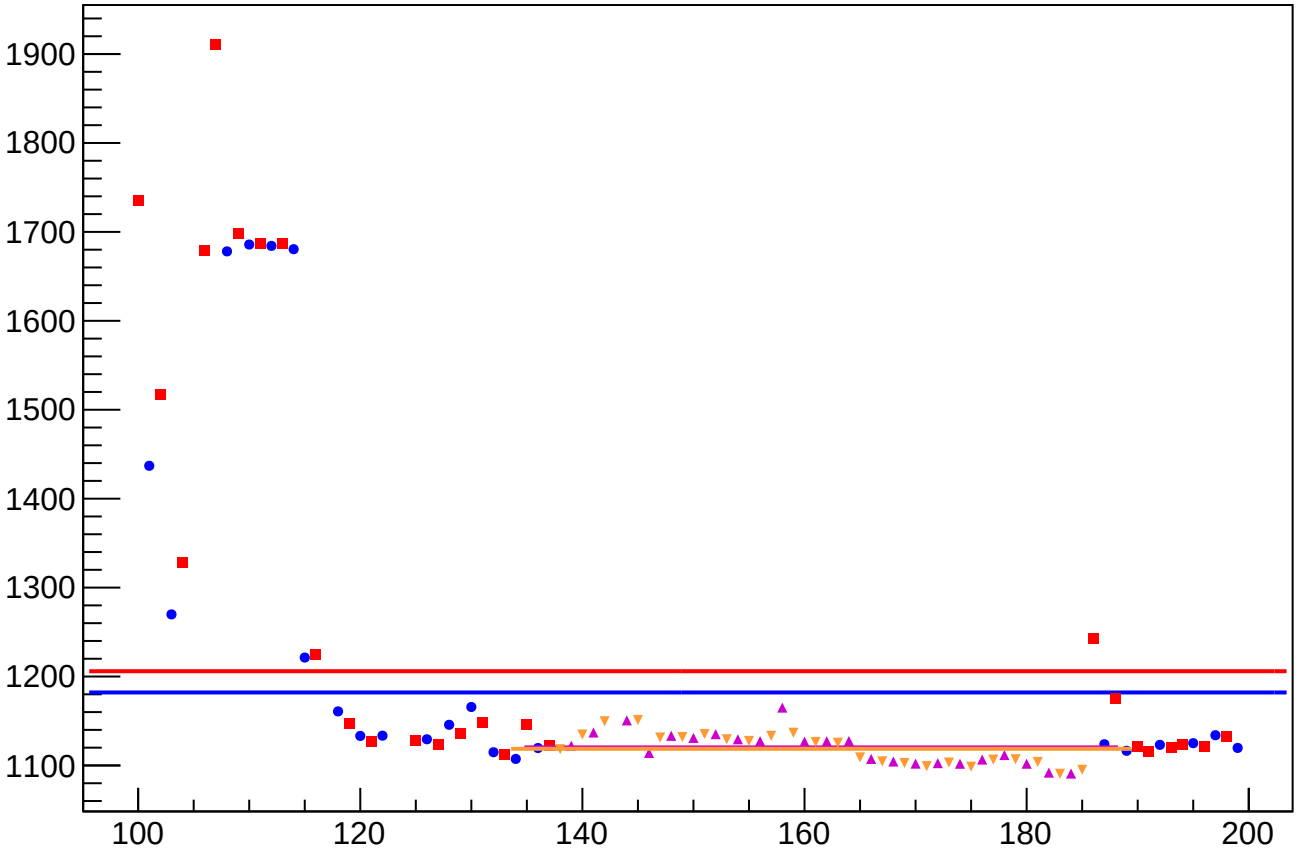
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 193.111+/-208.613 χ^2/NDF: 34.9/45

All: 6.116+/-147.251 χ^2/NDF: 89.9/94

- sign -179.565+/-207.879 χ^2/NDF: 53.4/48

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1205.970+/-0.242 χ^2/NDF: 510350.8/25

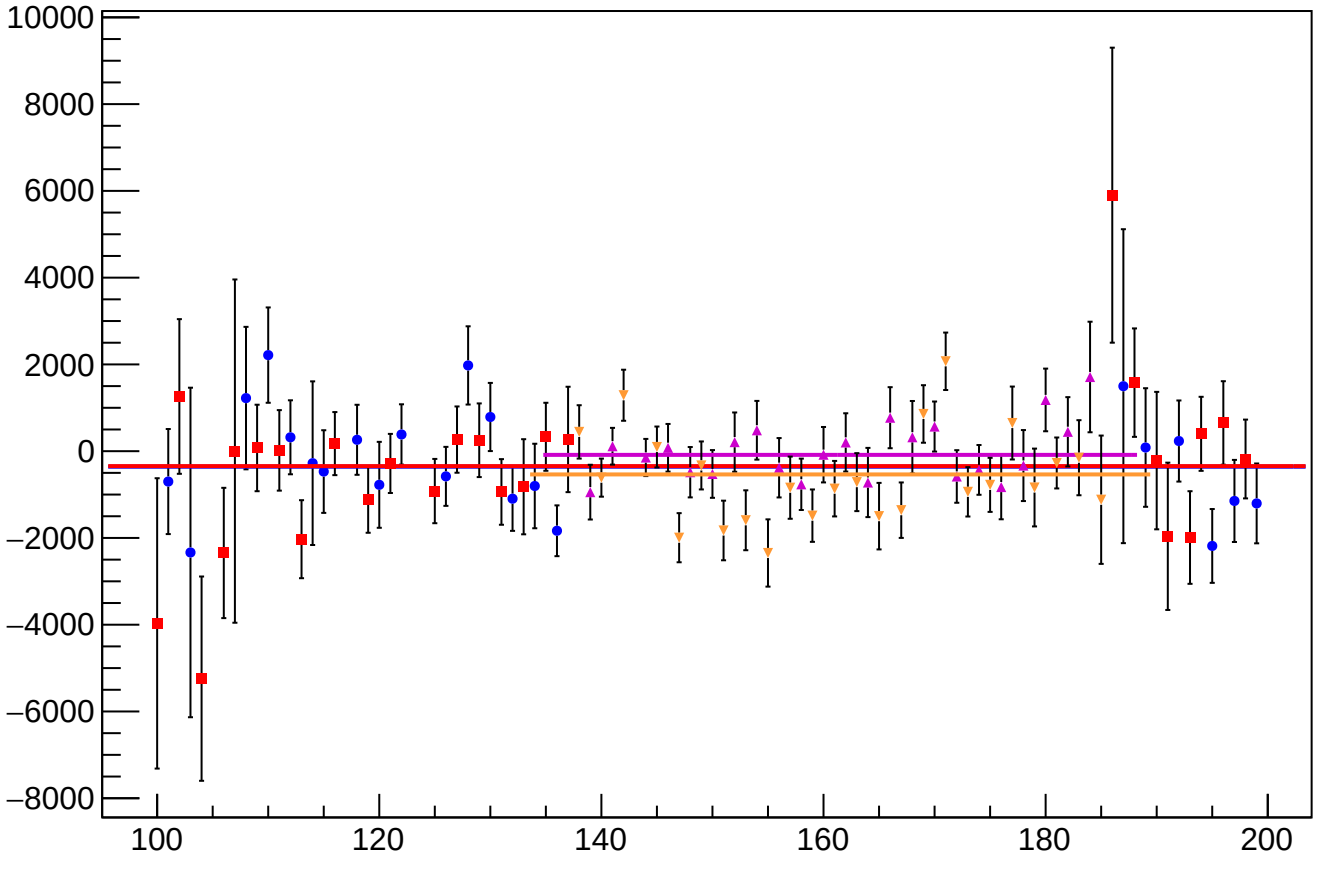
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.194+/-0.148 χ^2/NDF: 384895.9/45

All: 1146.555+/-0.104 χ^2/NDF: 986394.8/94

- sign 1151.879+/-0.147 χ^2/NDF: 598865.9/48

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -357.154+/-197.764 χ^2/NDF: 32.7/21

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -344.538+/-195.786 χ^2/NDF: 27.9/25

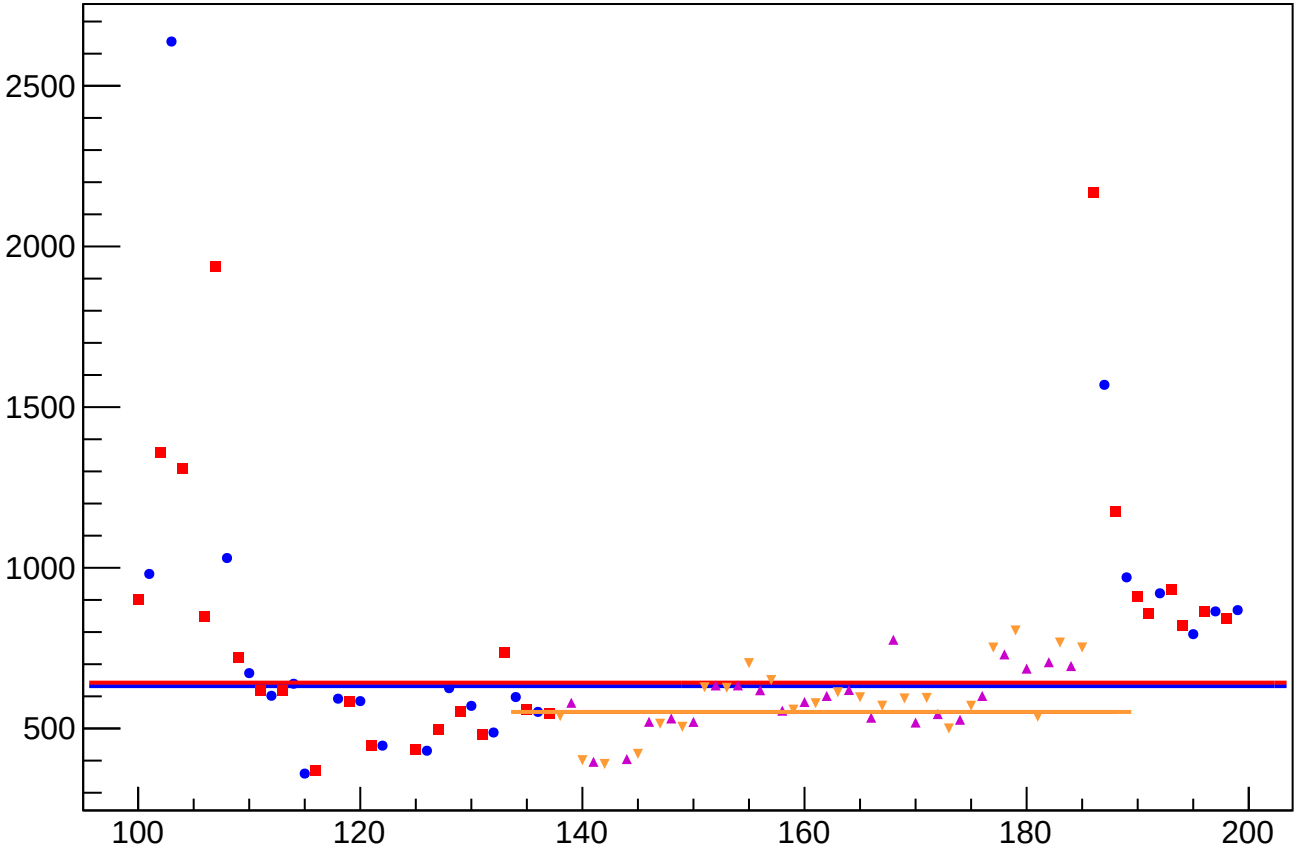
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -481.593+/-109.008 χ^2/NDF: 94.9/45

All: -323.281+/-77.027 χ^2/NDF: 145.4/94

\- sign -165.408+/-108.857 χ^2/NDF: 46.3/48

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 631.805+/-0.140 χ^2/NDF: 2237427.1/21

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 642.634+/-0.138 χ^2/NDF: 2910483.3/25

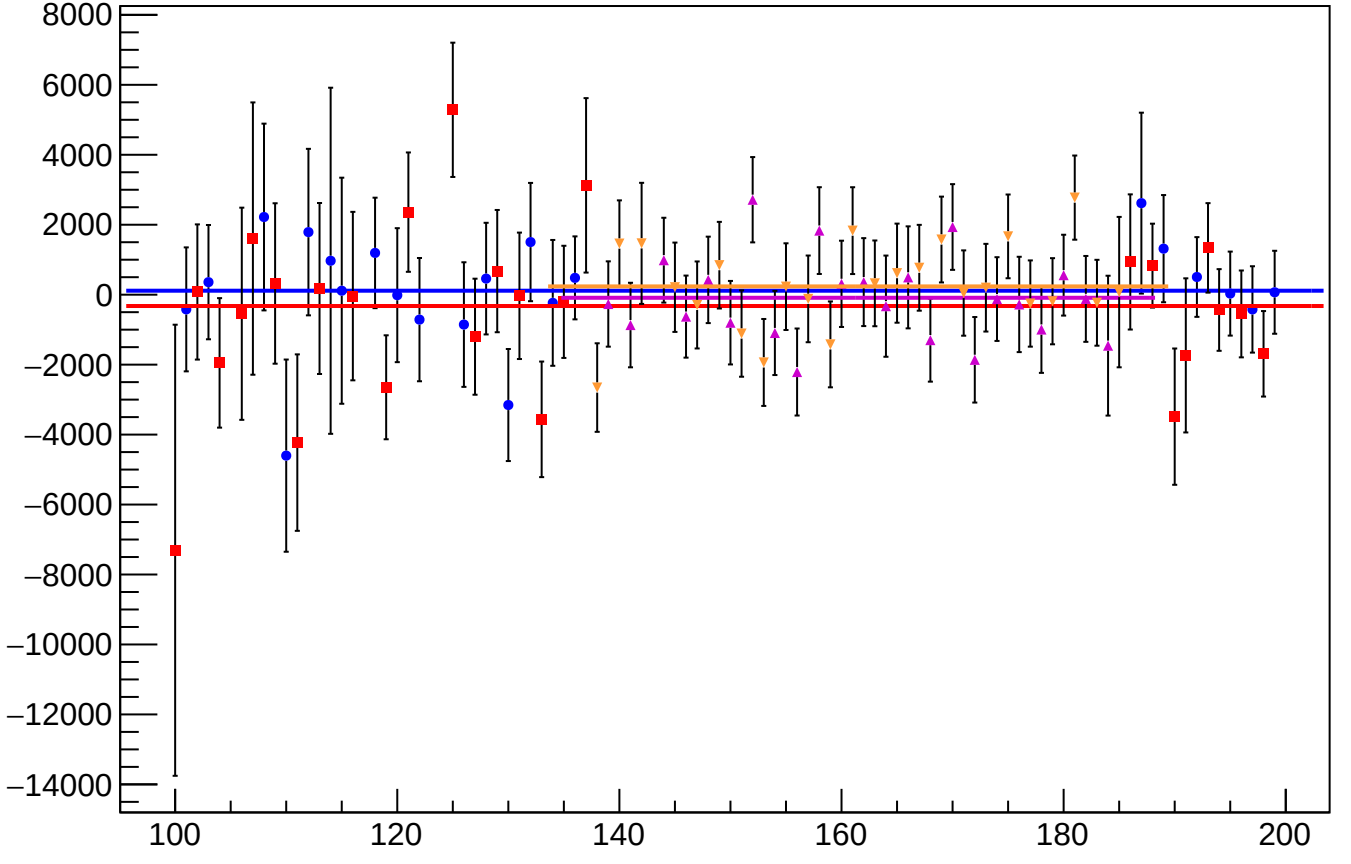
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 575.856+/-0.077 χ^2/NDF: 3693969.4/45

All: 577.710+/-0.054 χ^2/NDF: 7967827.0/94

- sign 579.559+/-0.077 χ^2/NDF: 4272702.1/48

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 113.794+/-350.336 χ^2/NDF: 12.1/21

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -323.830+/-342.562 χ^2/NDF: 32.0/25

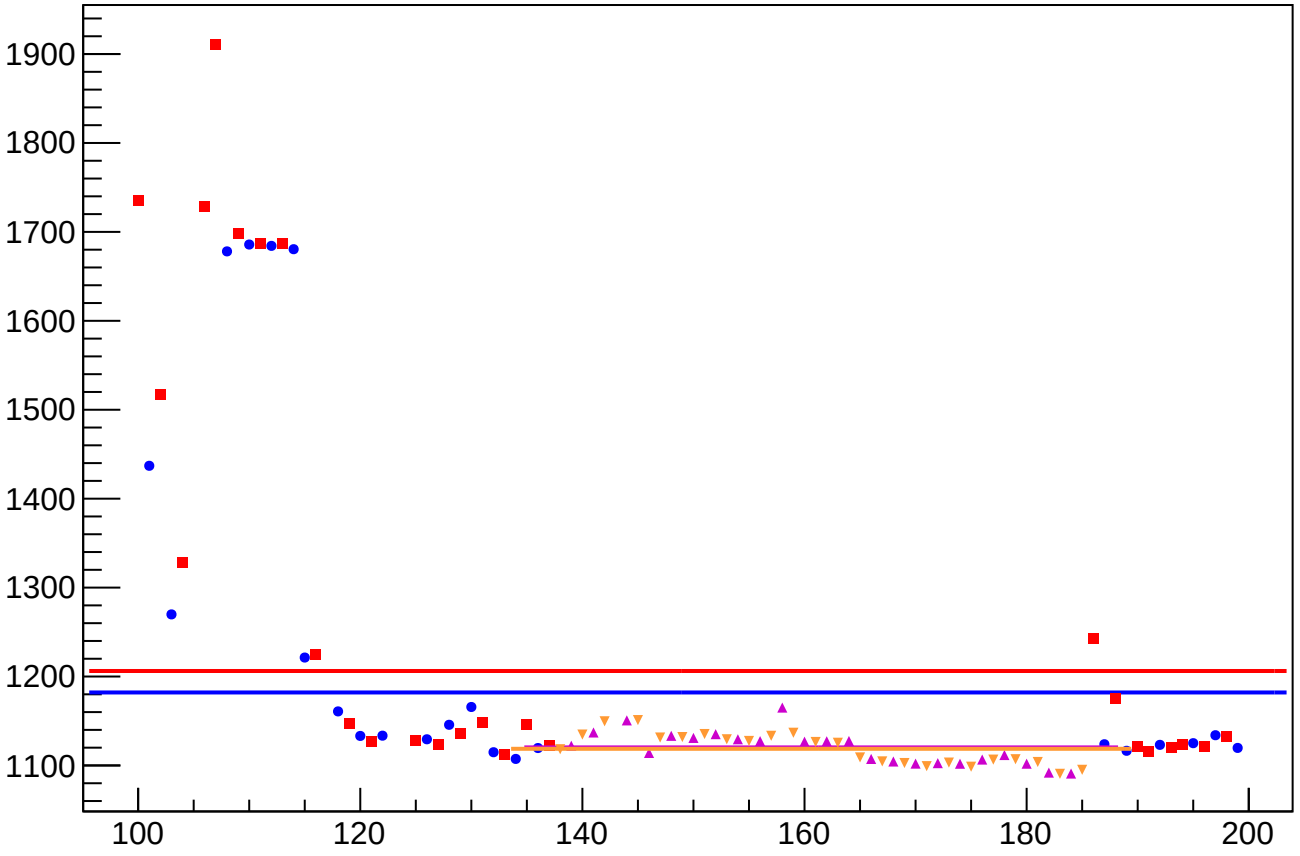
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 193.083+/-208.613 χ^2/NDF: 34.9/45

All: 8.368+/-147.263 χ^2/NDF: 89.6/94

- sign -175.104+/-207.910 χ^2/NDF: 53.2/48

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1206.223+/-0.242 χ^2/NDF: 518066.0/25

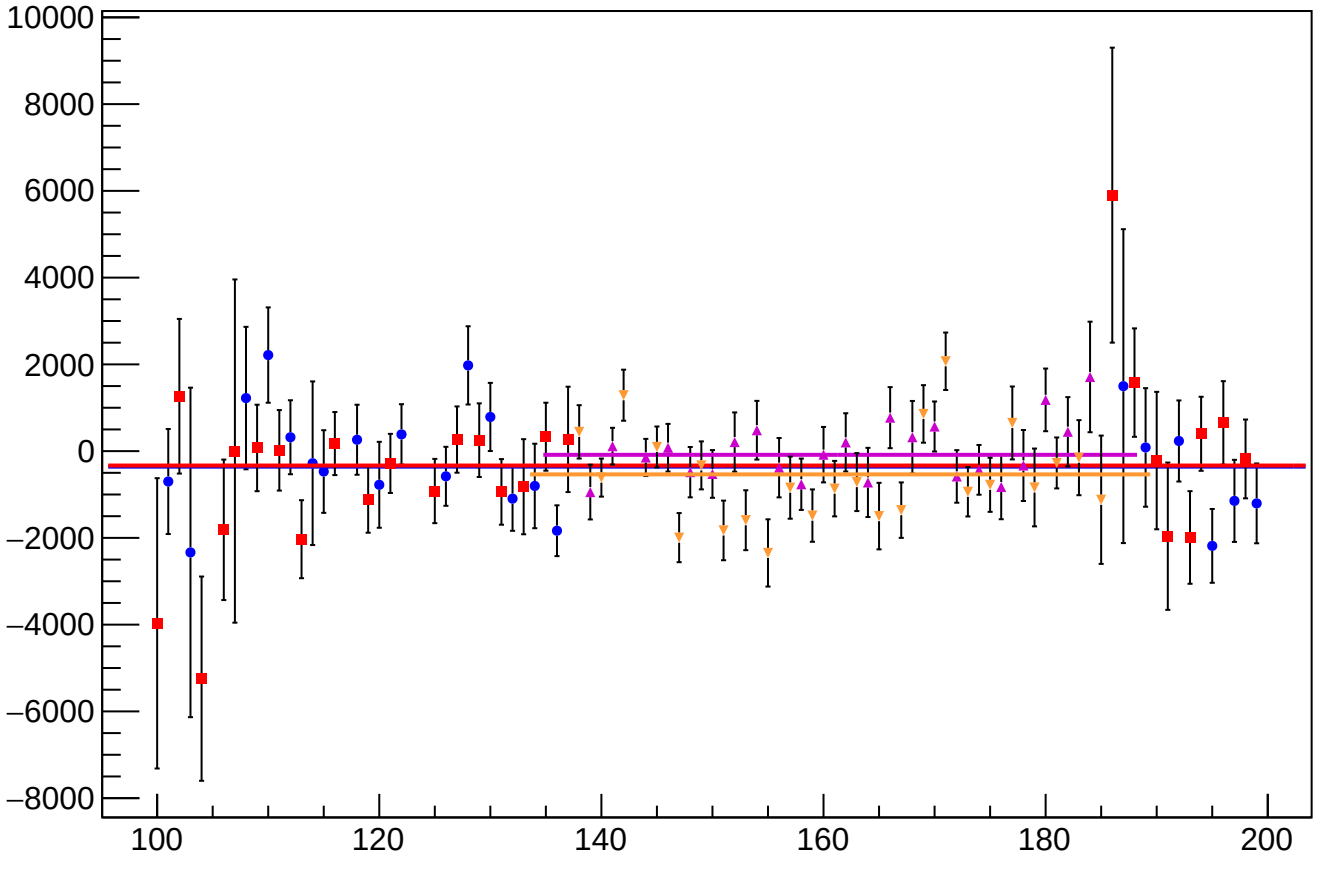
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.194+/-0.148 χ^2/NDF: 384896.0/45

All: 1146.593+/-0.104 χ^2/NDF: 994574.2/94

- sign 1151.956+/-0.147 χ^2/NDF: 607007.7/48

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -357.132+/-197.763 χ^2/NDF: 32.7/21

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -331.983+/-196.018 χ^2/NDF: 27.0/25

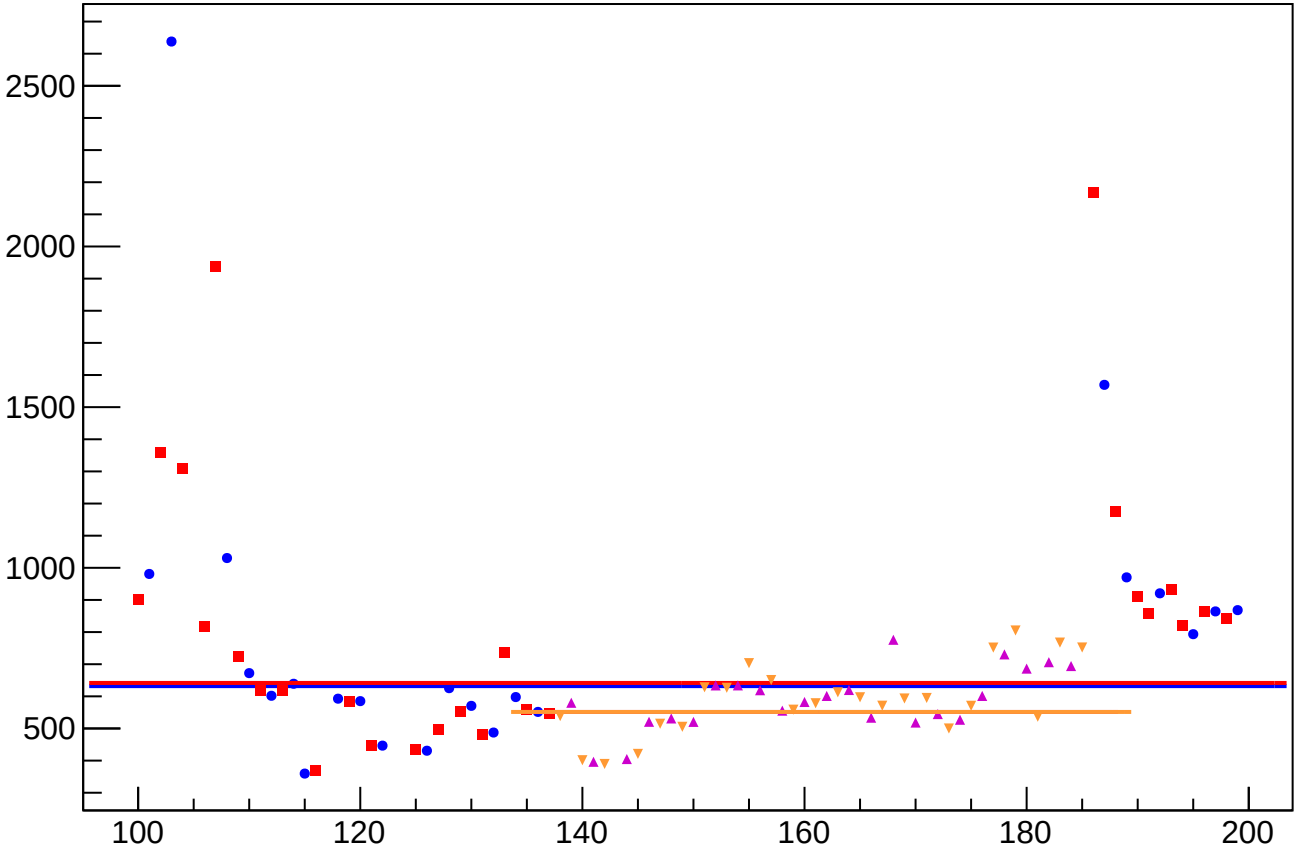
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -481.607+/-109.007 χ^2/NDF: 94.9/45

All: -321.337+/-77.041 χ^2/NDF: 144.4/94

\- sign -161.393+/-108.896 χ^2/NDF: 45.2/48

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 631.800+/-0.140 χ^2/NDF: 2237423.6/21

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 641.685+/-0.139 χ^2/NDF: 2896535.6/25

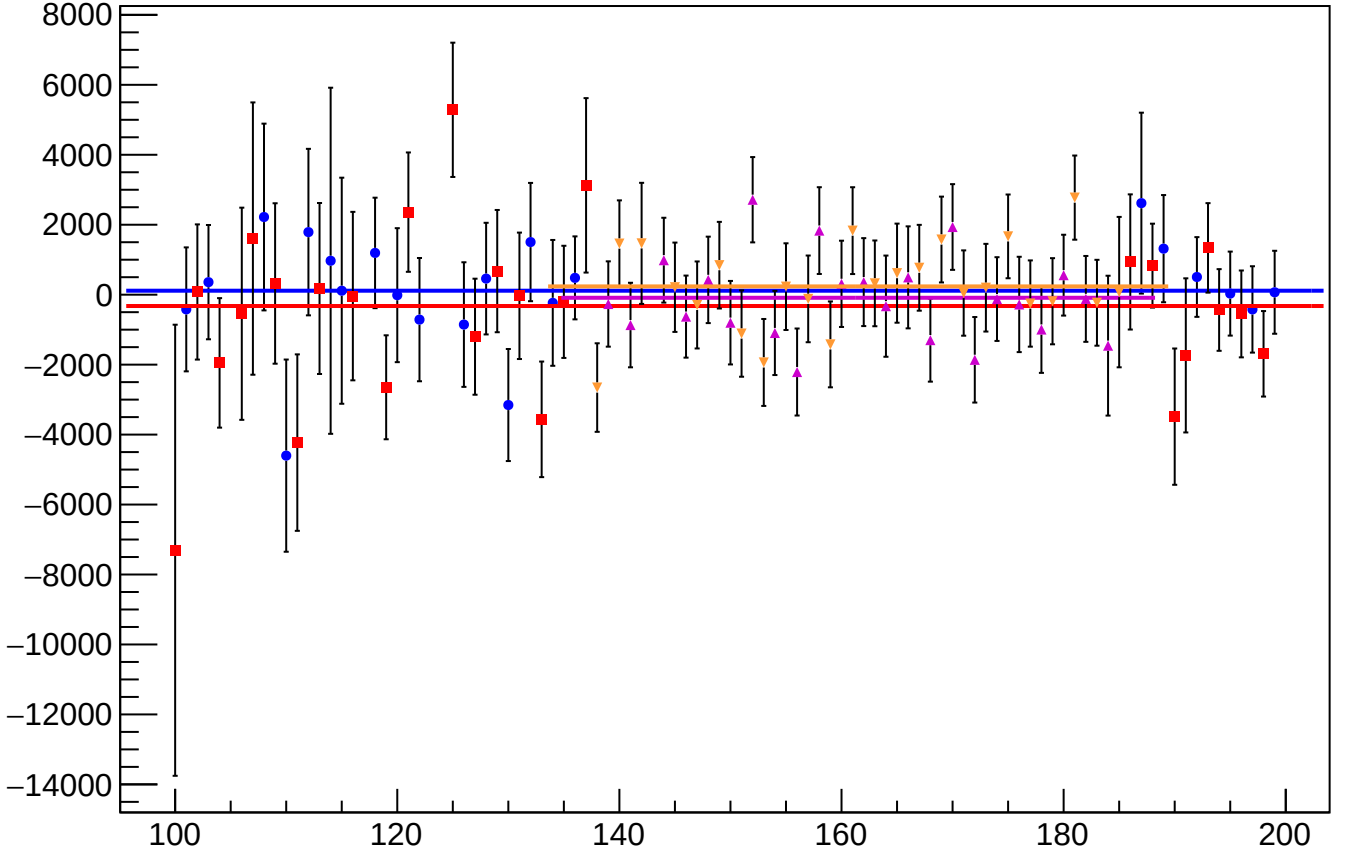
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 575.855+/-0.077 χ^2/NDF: 3693960.8/45

All: 577.539+/-0.054 χ^2/NDF: 7946950.6/94

- sign 579.220+/-0.077 χ^2/NDF: 4252035.9/48

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 113.794+/-350.336 χ^2/NDF: 12.1/21

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -323.830+/-342.562 χ^2/NDF: 32.0/25

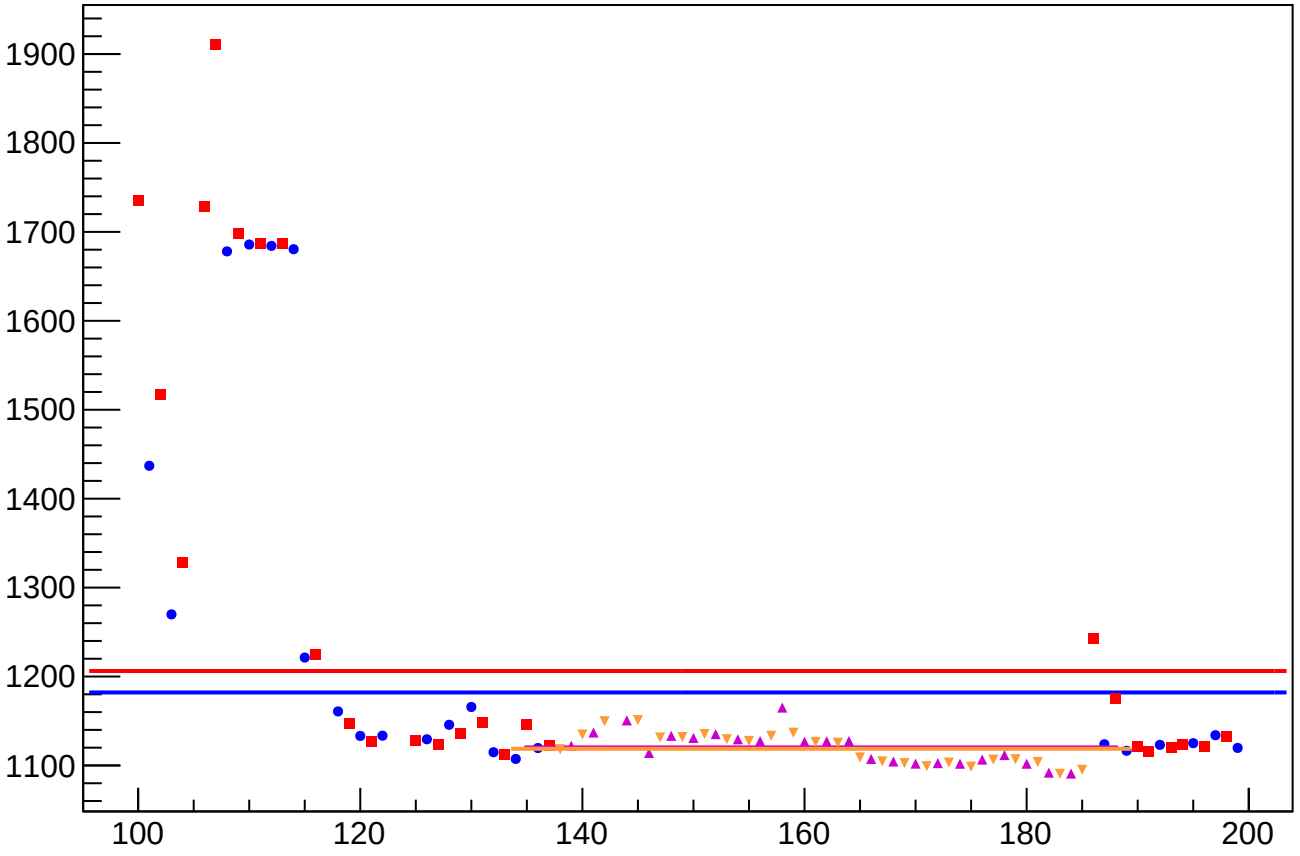
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 193.083+/-208.613 χ^2/NDF: 34.9/45

All: 8.368+/-147.263 χ^2/NDF: 89.6/94

- sign -175.104+/-207.910 χ^2/NDF: 53.2/48

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

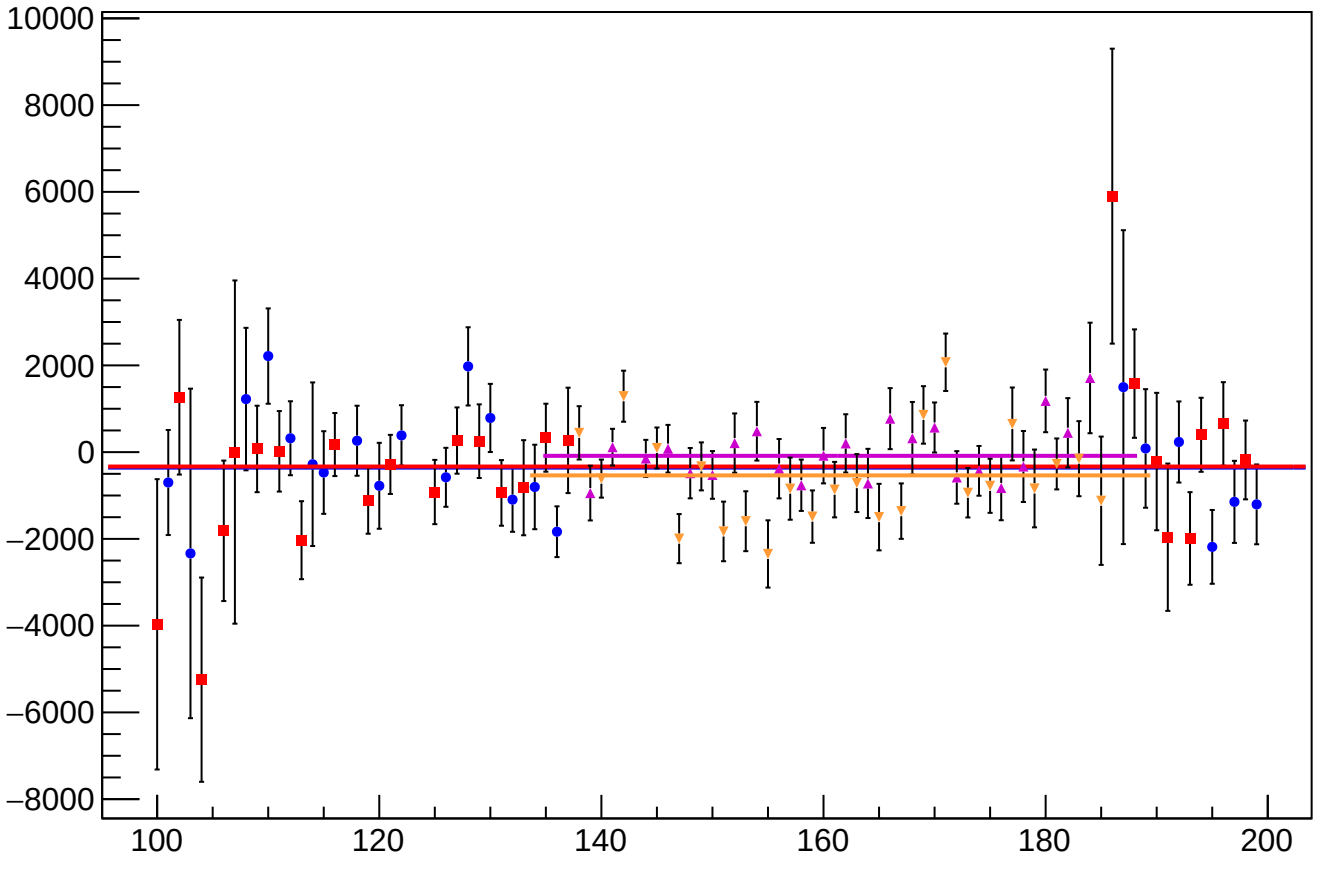
Right Out: 1206.223+/-0.242 χ^2/NDF: 518066.0/25

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.194+/-0.148 χ^2/NDF: 384896.0/45

All: 1146.593+/-0.104 χ^2/NDF: 994574.2/94

- sign 1151.956+/-0.147 χ^2/NDF: 607007.7/48



Right In: -357.132+/-197.763 χ^2/NDF: 32.7/21

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -331.983+/-196.018 χ^2/NDF: 27.0/25

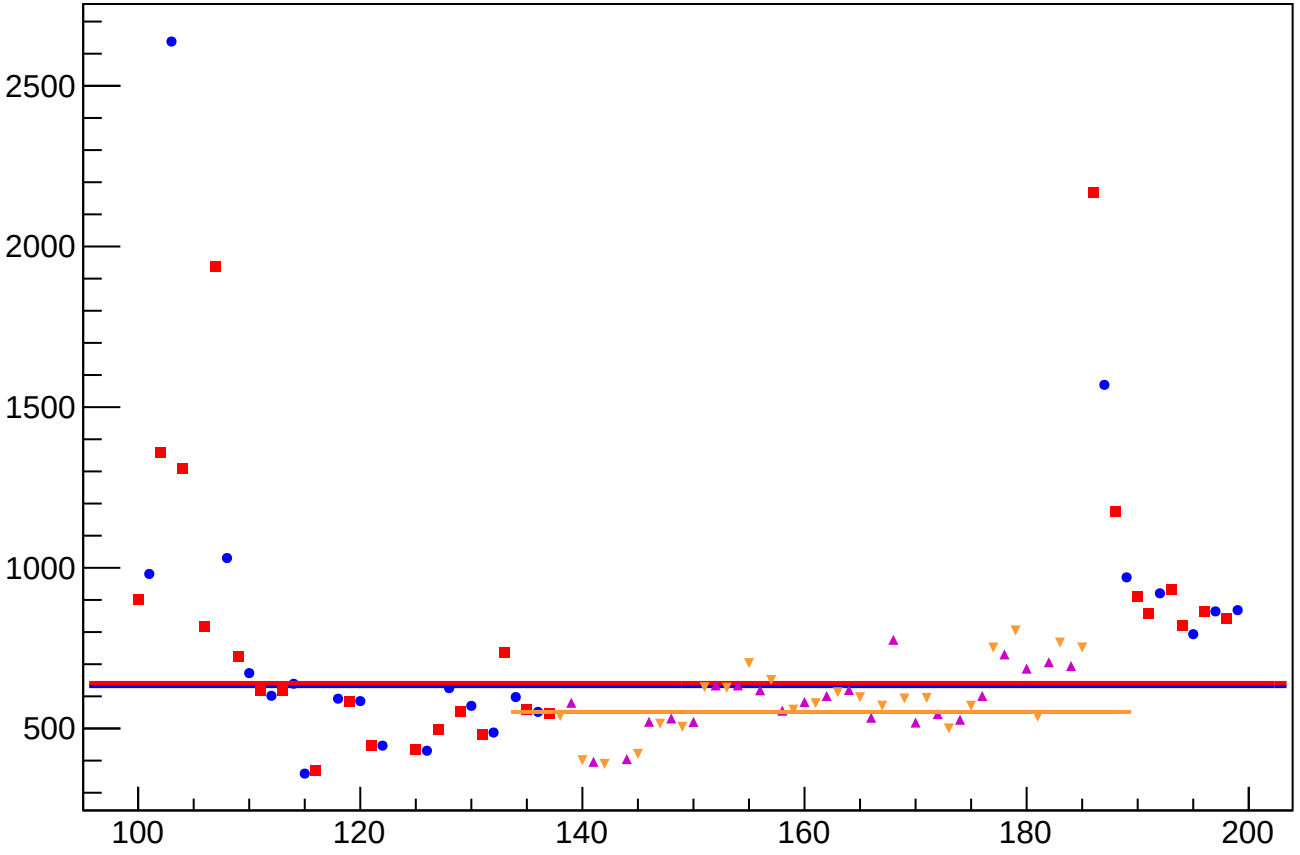
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -481.607+/-109.007 χ^2/NDF: 94.9/45

All: -321.337+/-77.041 χ^2/NDF: 144.4/94

- sign -161.393+/-108.896 χ^2/NDF: 45.2/48

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 631.800+/-0.140 χ^2/NDF: 2237423.6/21

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 641.685+/-0.139 χ^2/NDF: 2896535.6/25

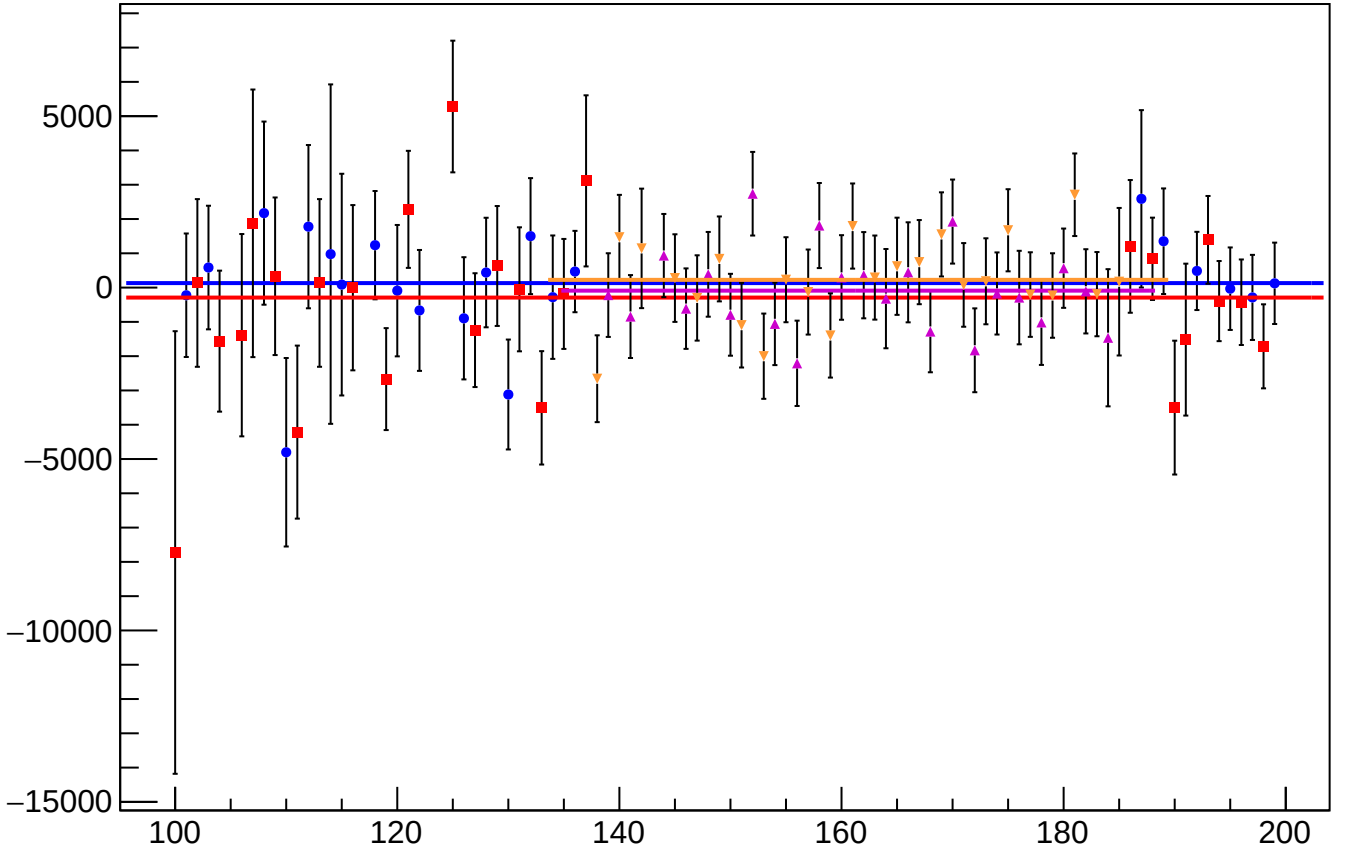
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 575.855+/-0.077 χ^2/NDF: 3693960.8/45

All: 577.539+/-0.054 χ^2/NDF: 7946950.6/94

- sign 579.220+/-0.077 χ^2/NDF: 4252035.9/48

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 131.191+/-352.446 χ^2/NDF: 12.1/21

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -291.147+/-346.053 χ^2/NDF: 31.8/25

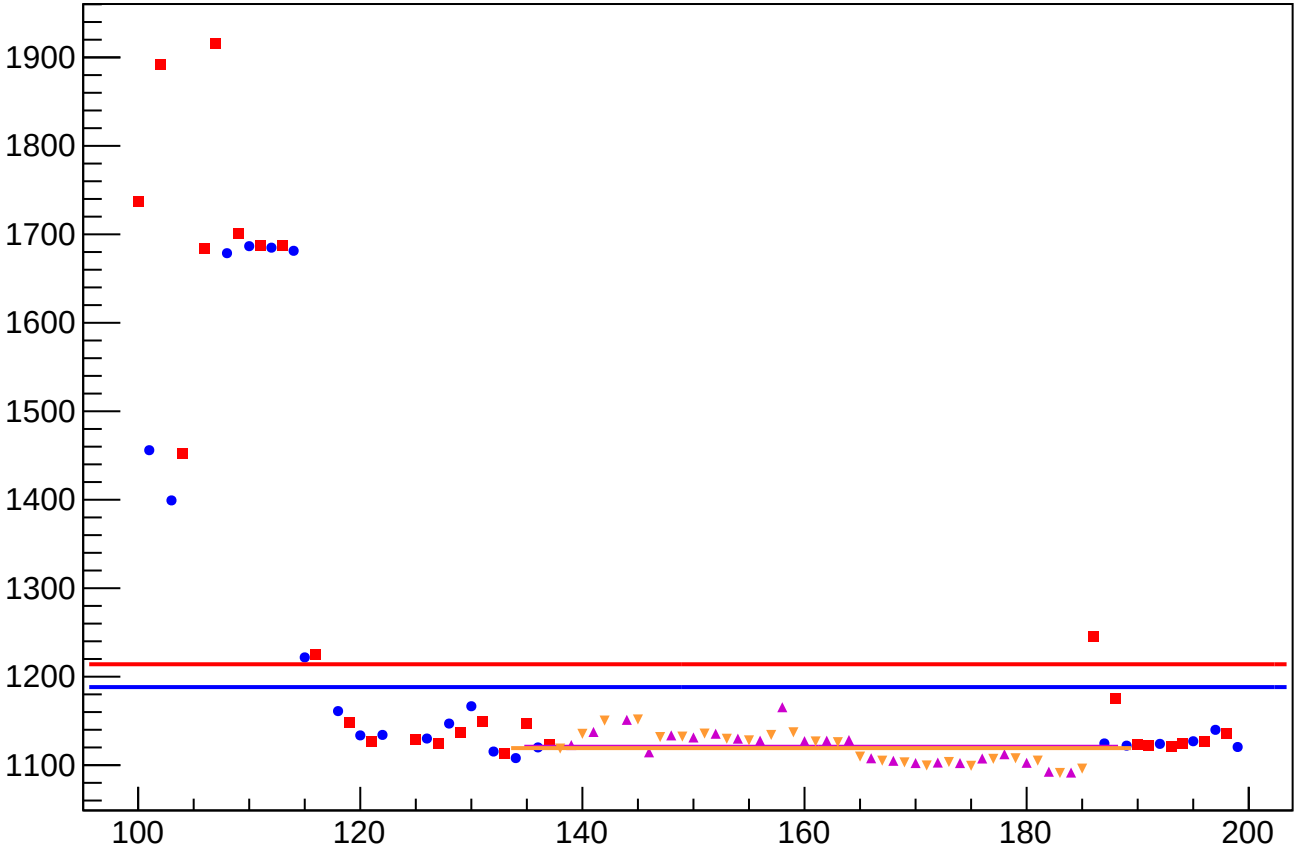
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 192.398+/-209.140 χ^2/NDF: 34.4/45

All: 14.559+/-147.743 χ^2/NDF: 88.5/94

- sign -162.603+/-208.741 χ^2/NDF: 52.6/48

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1188.231+/-0.249 χ^2/NDF: 360079.7/21

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1214.040+/-0.245 χ^2/NDF: 634141.1/25

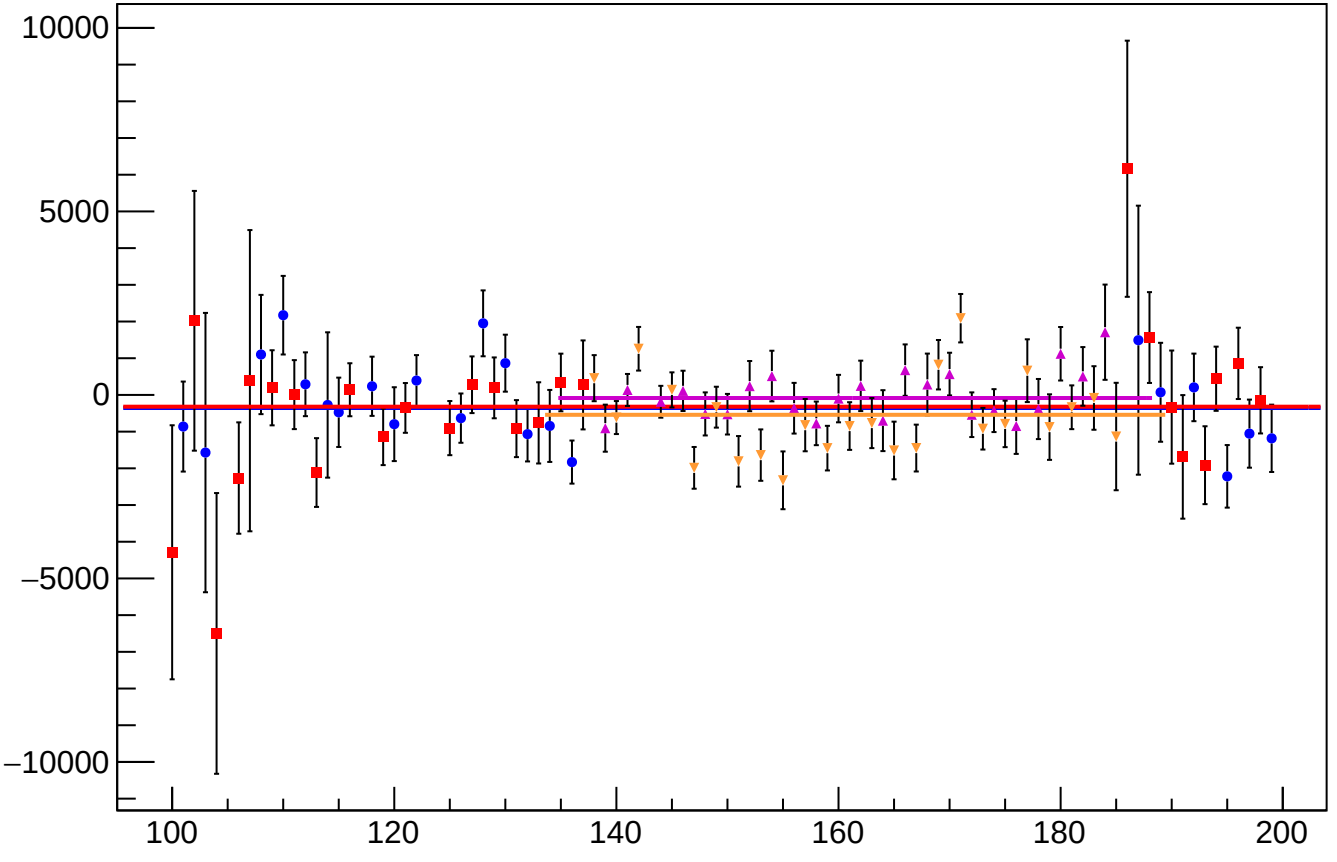
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1143.544+/-0.148 χ^2/NDF: 417847.4/45

All: 1149.146+/-0.104 χ^2/NDF: 1156643.4/94

- sign 1154.726+/-0.148 χ^2/NDF: 735931.9/48

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -356.292+/-197.322 χ^2/NDF: 32.7/21

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -320.540+/-198.163 χ^2/NDF: 25.9/25

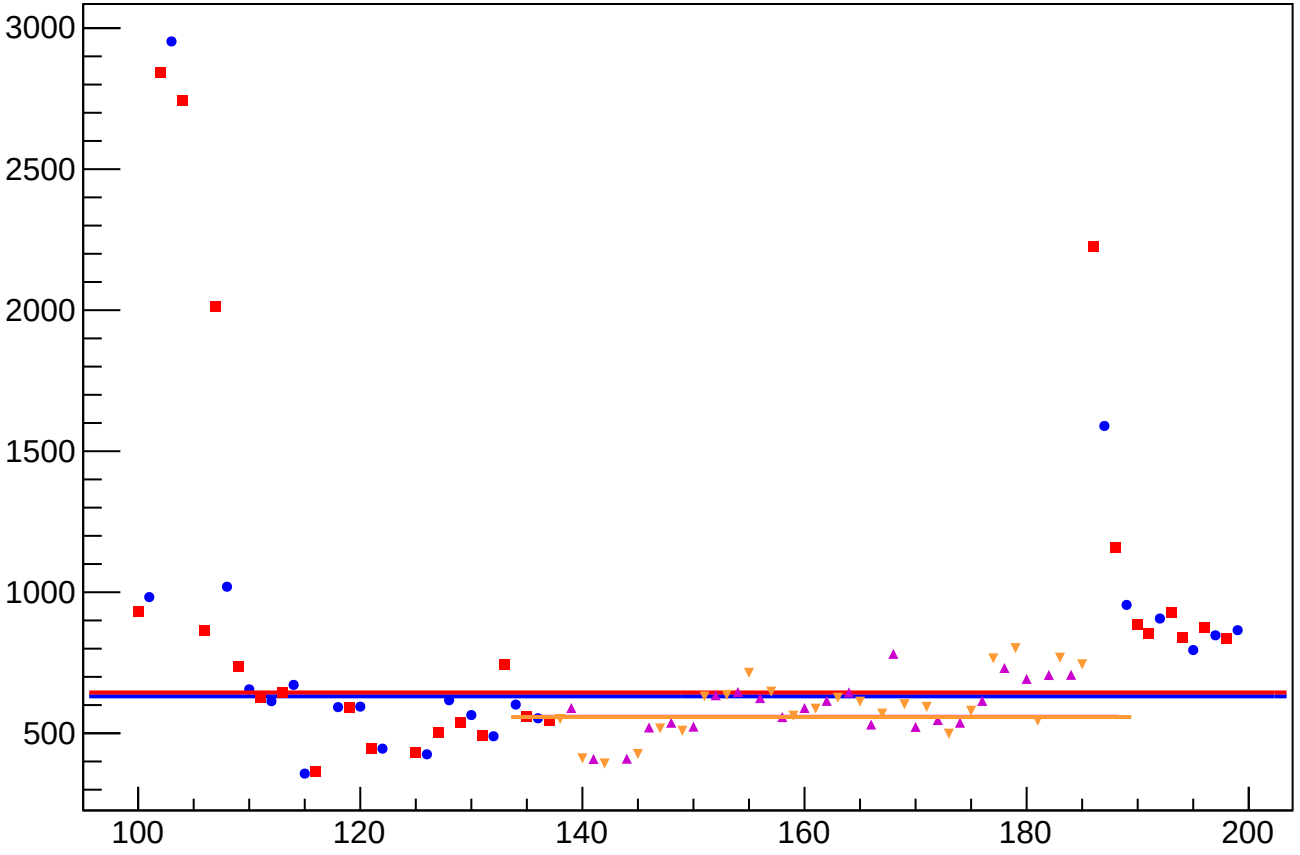
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -484.299+/-109.721 χ^2/NDF: 94.2/45

All: -321.423+/-77.744 χ^2/NDF: 141.9/94

- sign -157.201+/-110.174 χ^2/NDF: 43.3/48

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 630.938+/-0.140 χ^2/NDF: 2402088.8/21

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 644.711+/-0.140 χ^2/NDF: 3822915.8/25

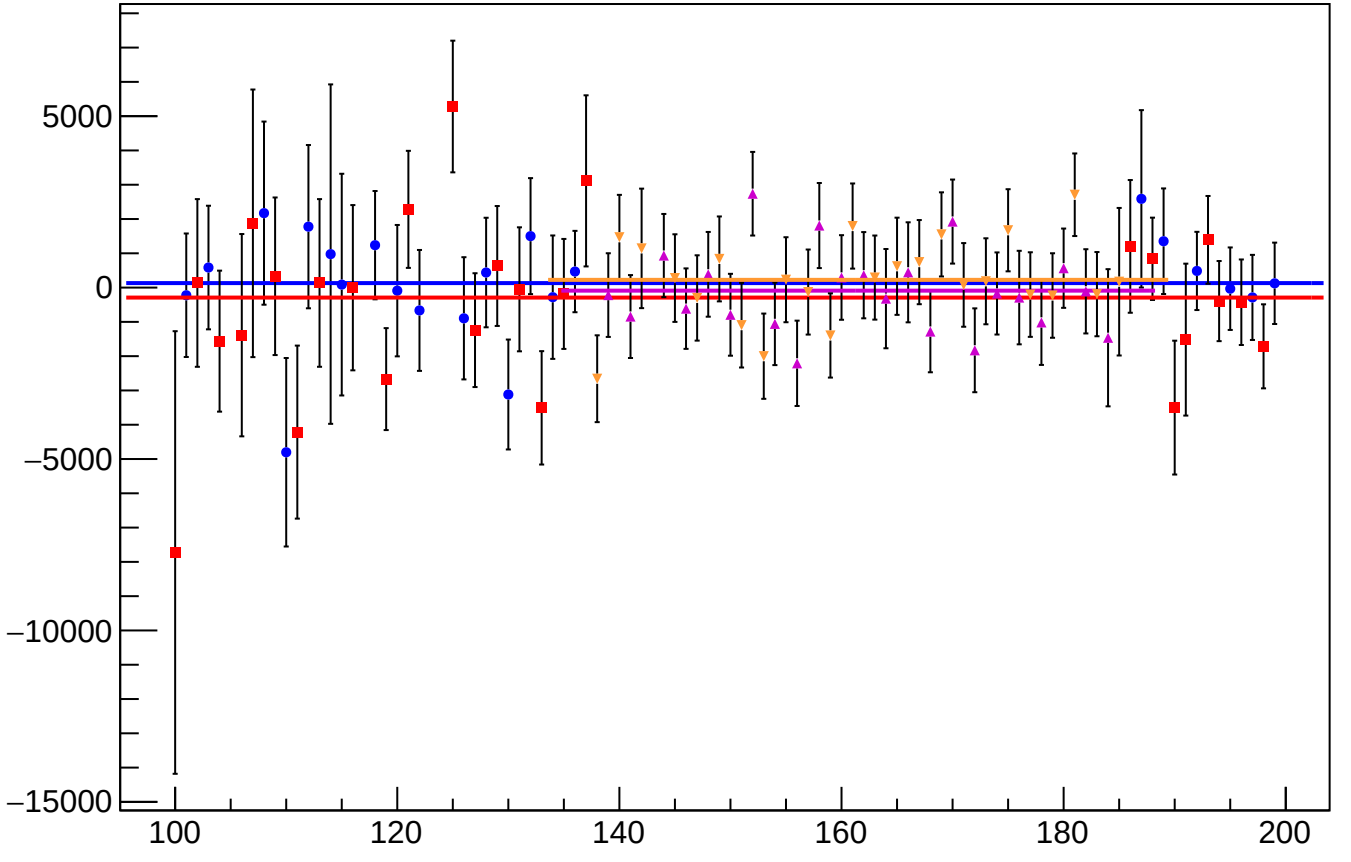
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 580.270+/-0.078 χ^2/NDF: 3786251.2/45

All: 582.662+/-0.055 χ^2/NDF: 8901072.3/94

- sign 585.075+/-0.078 χ^2/NDF: 5112911.2/48

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 131.192+/-352.446 χ^2/NDF: 12.1/21

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -291.147+/-346.053 χ^2/NDF: 31.8/25

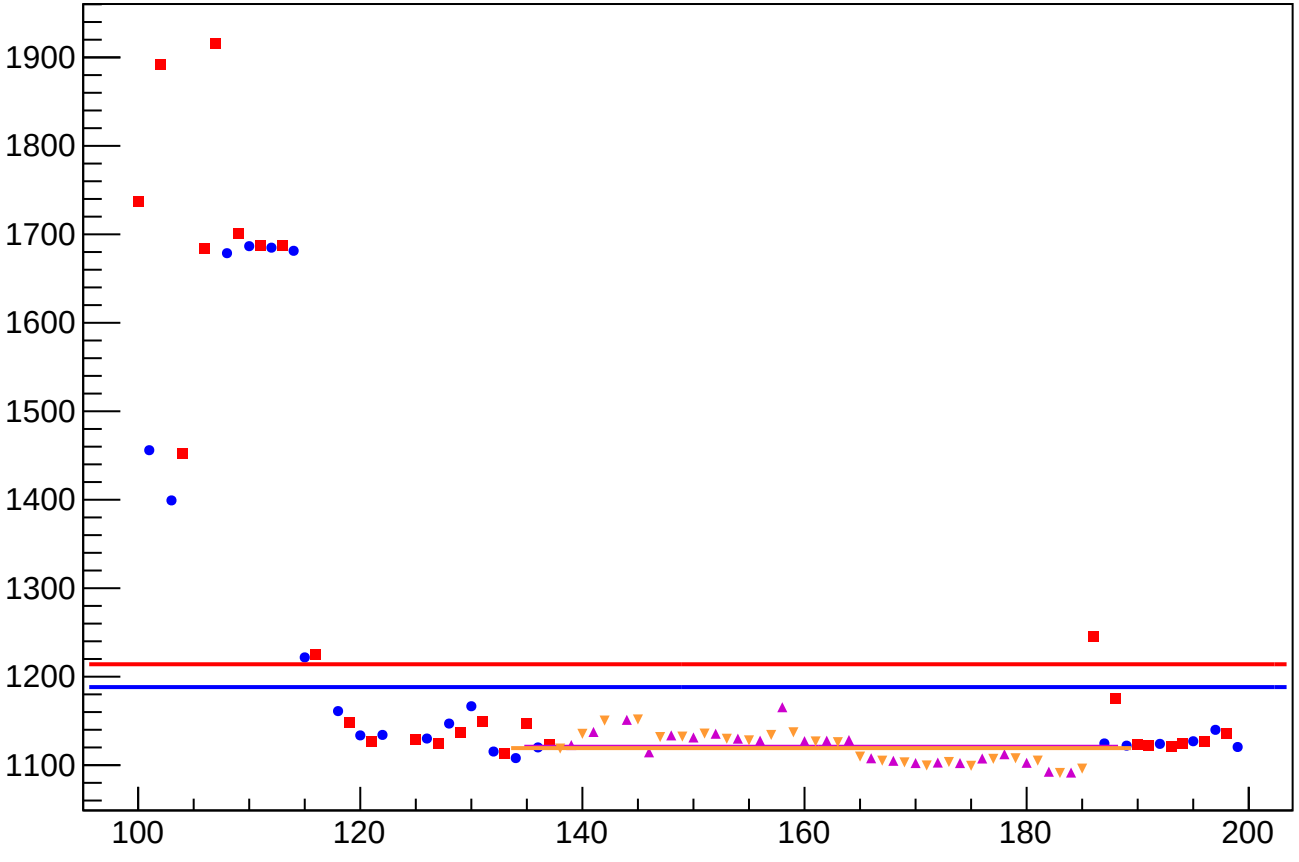
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 192.397+/-209.140 χ^2/NDF: 34.4/45

All: 14.559+/-147.743 χ^2/NDF: 88.5/94

- sign -162.603+/-208.741 χ^2/NDF: 52.6/48

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1188.231+/-0.249 χ^2/NDF: 360079.3/21

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

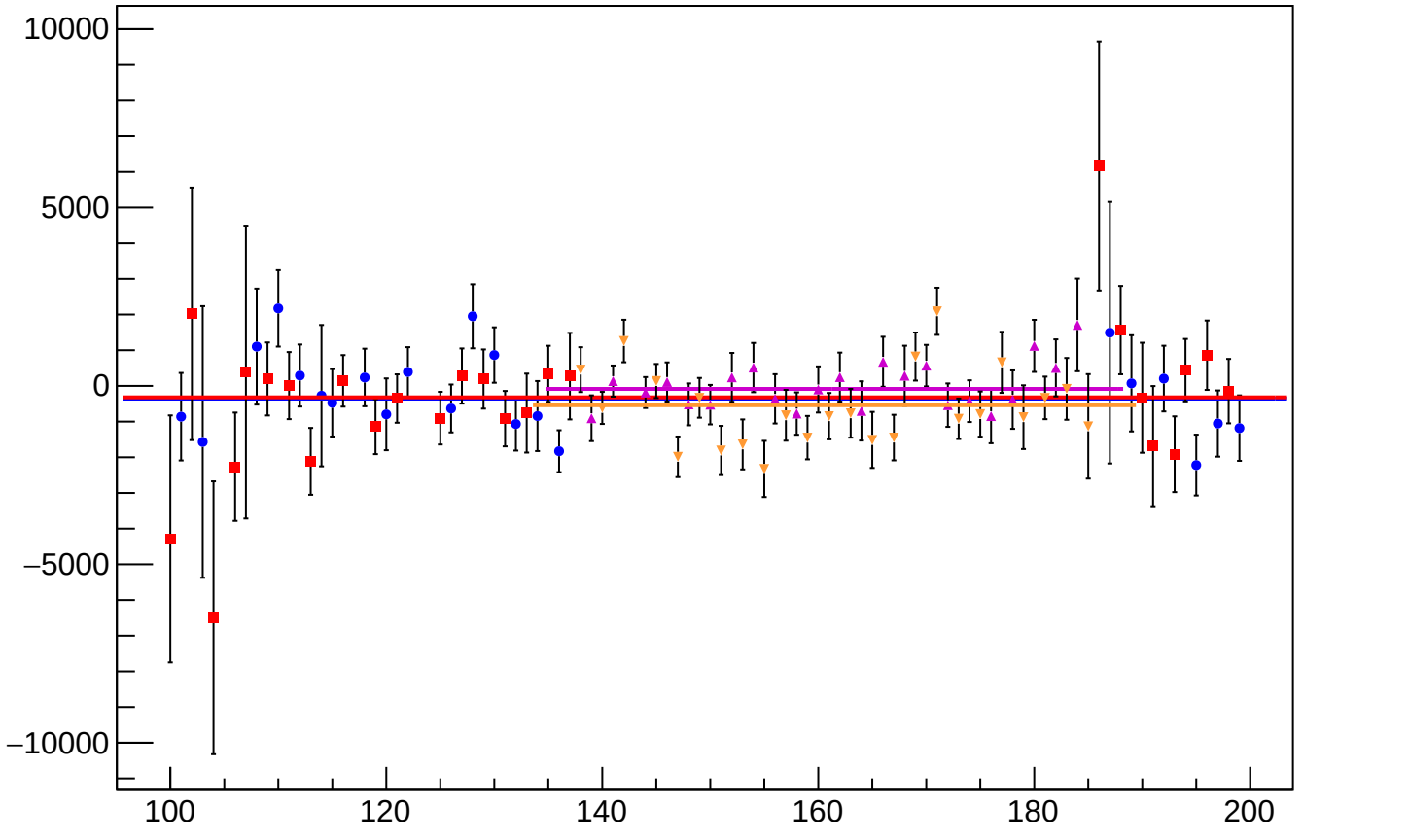
Right Out: 1214.040+/-0.245 χ^2/NDF: 634140.4/25

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1143.544+/-0.148 χ^2/NDF: 417846.9/45

All: 1149.146+/-0.104 χ^2/NDF: 1156642.2/94

- sign 1154.726+/-0.148 χ^2/NDF: 735931.2/48



Right In: -356.292+/-197.322 χ^2/NDF: 32.7/21

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -320.540+/-198.163 χ^2/NDF: 25.9/25

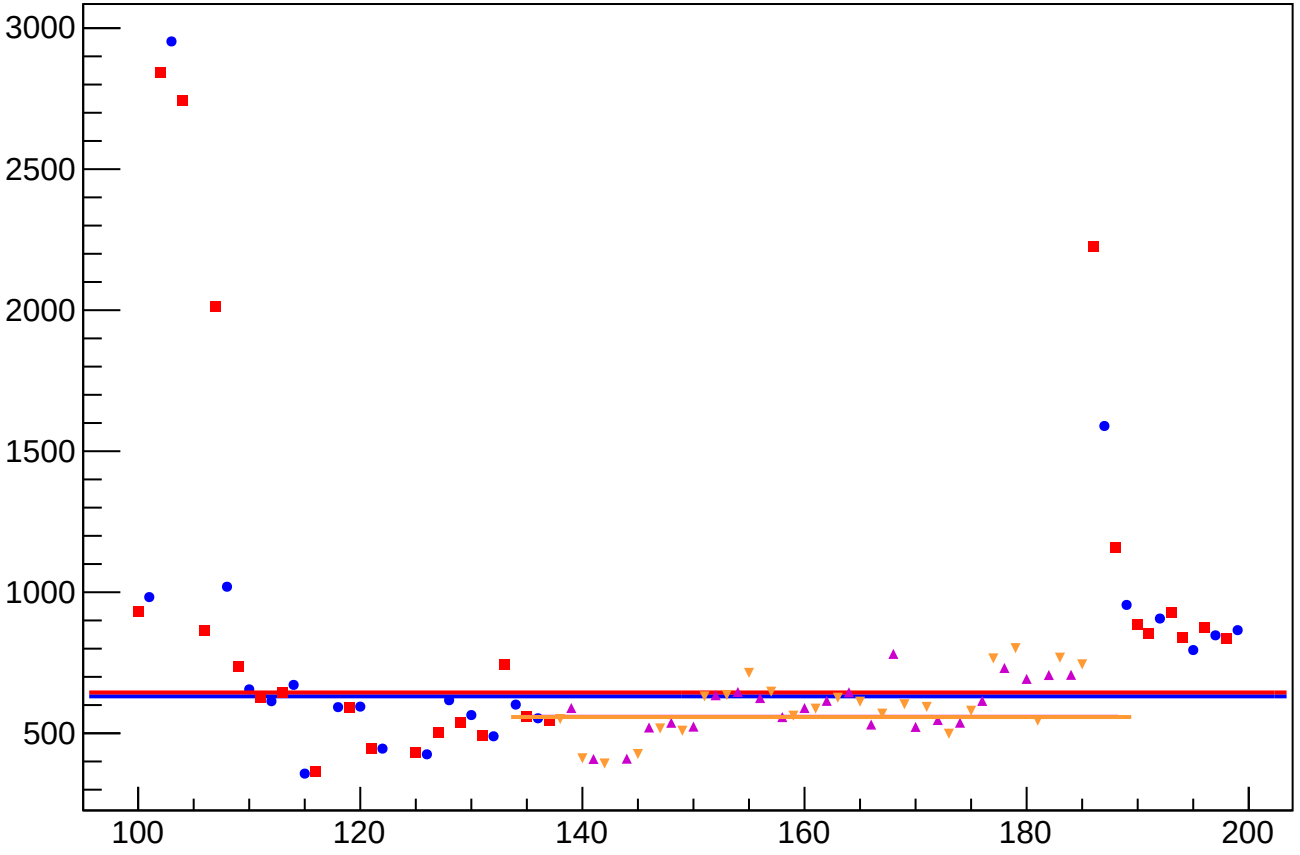
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -484.298+/-109.721 χ^2/NDF: 94.2/45

All: -321.423+/-77.744 χ^2/NDF: 141.9/94

- sign -157.201+/-110.174 χ^2/NDF: 43.3/48

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 630.938+/-0.140 χ^2/NDF: 2402084.5/21

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 644.711+/-0.140 χ^2/NDF: 3822915.9/25

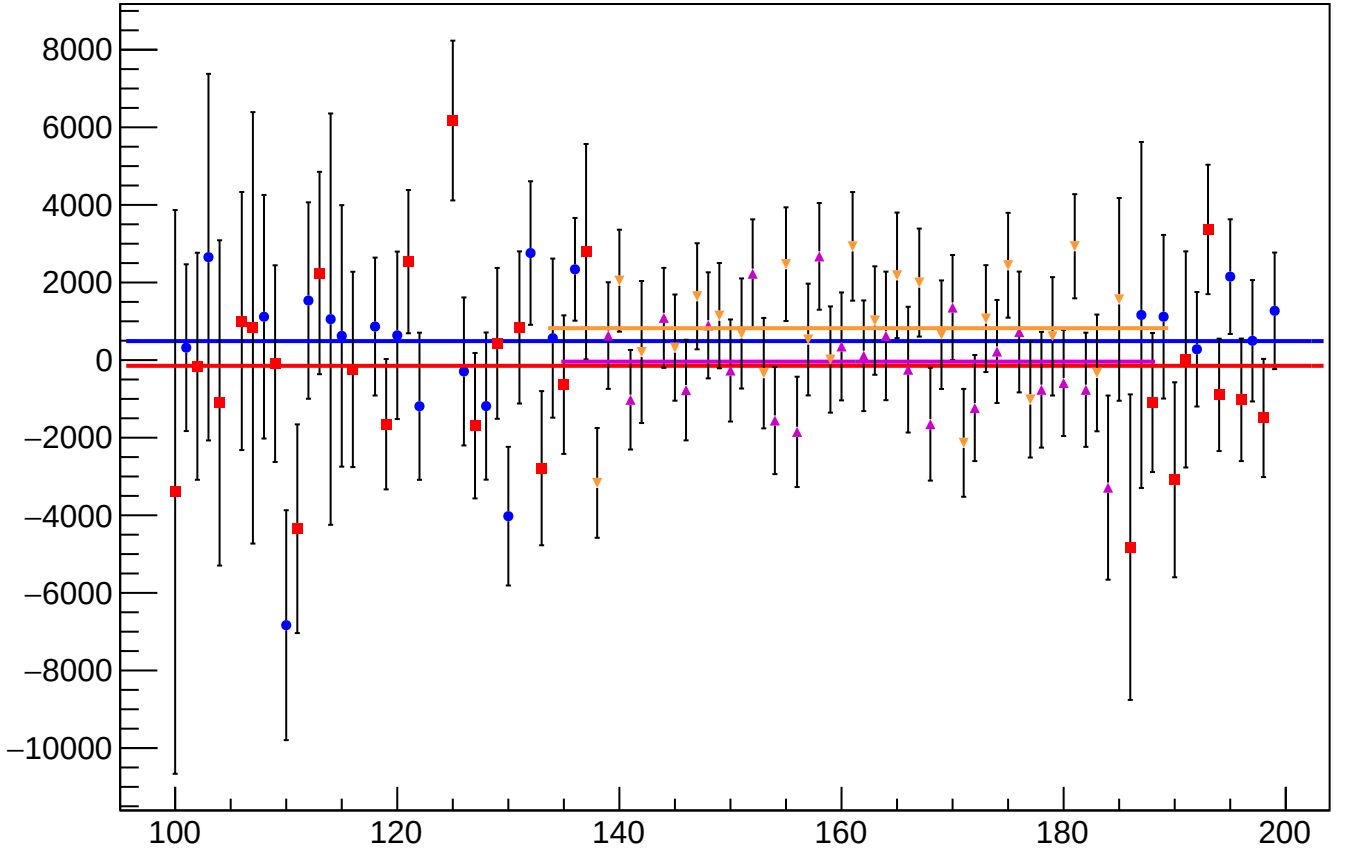
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 580.269+/-0.078 χ^2/NDF: 3786270.8/45

All: 582.662+/-0.055 χ^2/NDF: 8901109.5/94

- sign 585.074+/-0.078 χ^2/NDF: 5112928.8/48

asym_usl_atl1_dd_mean vs Slug



Right In: 489.693+/-423.471 χ^2/NDF: 19.8/21

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -147.657+/-421.264 χ^2/NDF: 28.9/25

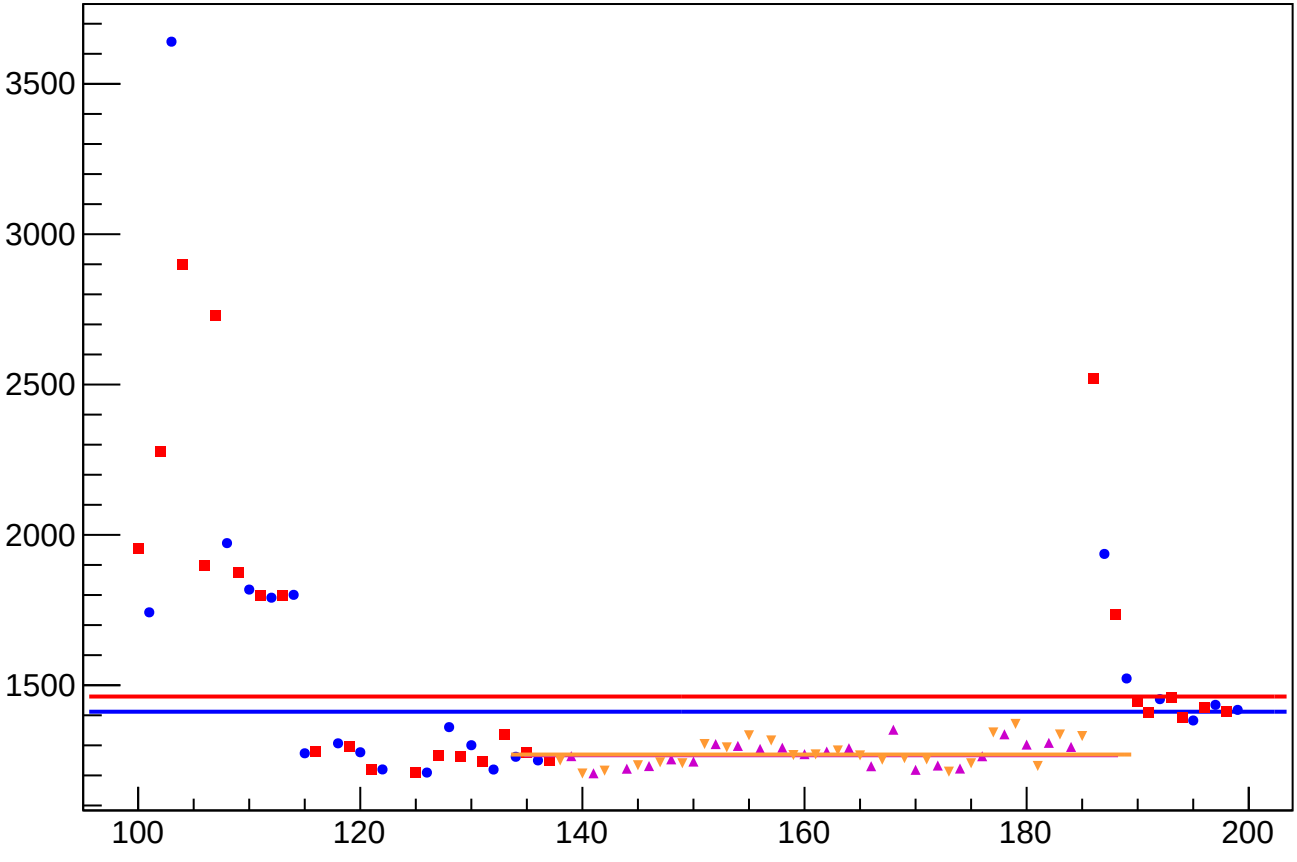
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 714.396+/-241.966 χ^2/NDF: 46.4/45

All: 319.880+/-171.176 χ^2/NDF: 98.5/94

- sign -75.381+/-242.194 χ^2/NDF: 46.8/48

asym_usl_atl1_dd_rms vs Slug



Right In: 1411.875+/-0.299 χ^2/NDF: 817996.0/21

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1462.378+/-0.298 χ^2/NDF: 1057980.1/25

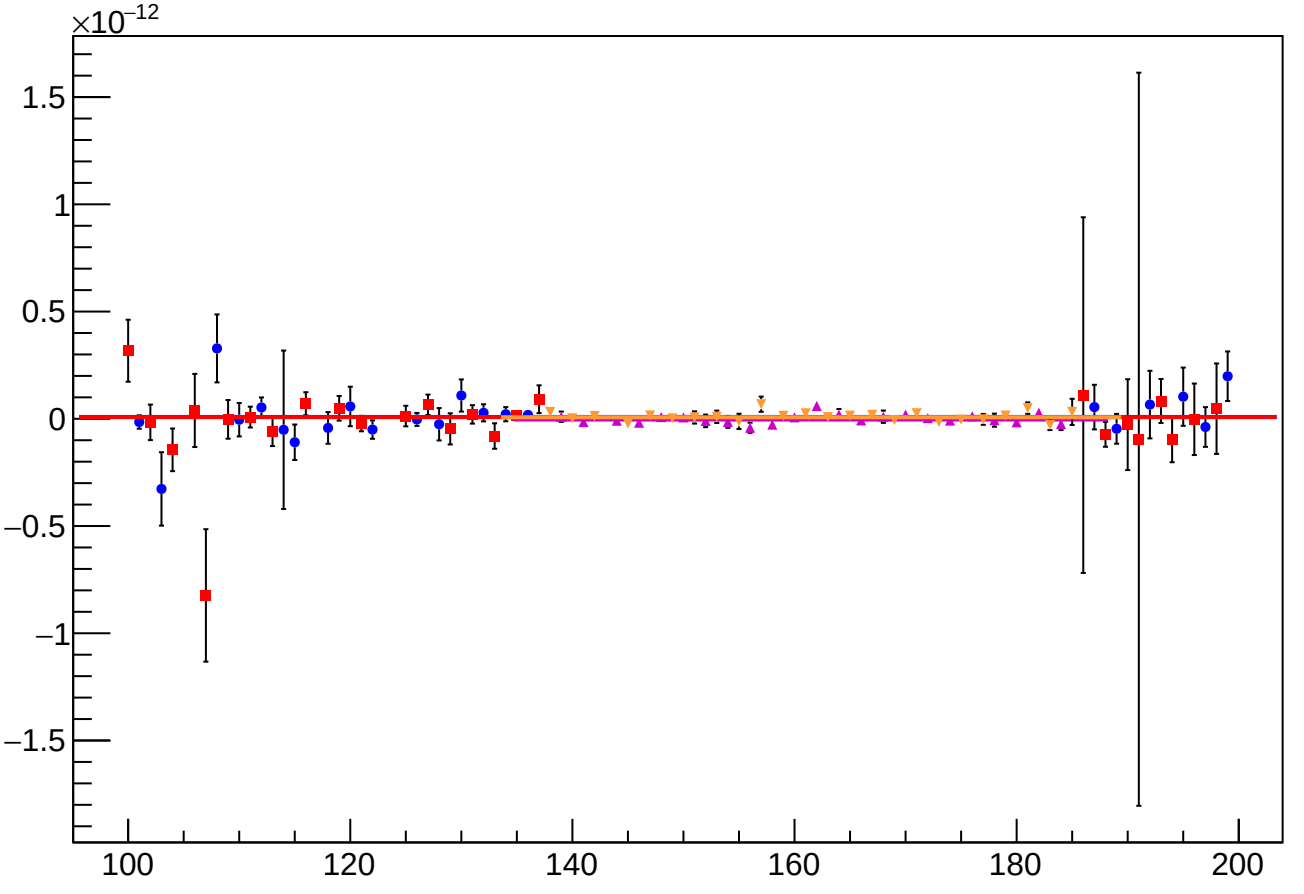
Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1315.943+/-0.171 χ^2/NDF: 1013428.4/45

All: 1323.776+/-0.121 χ^2/NDF: 2397962.4/94

- sign 1331.624+/-0.171 χ^2/NDF: 1380338.3/48

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

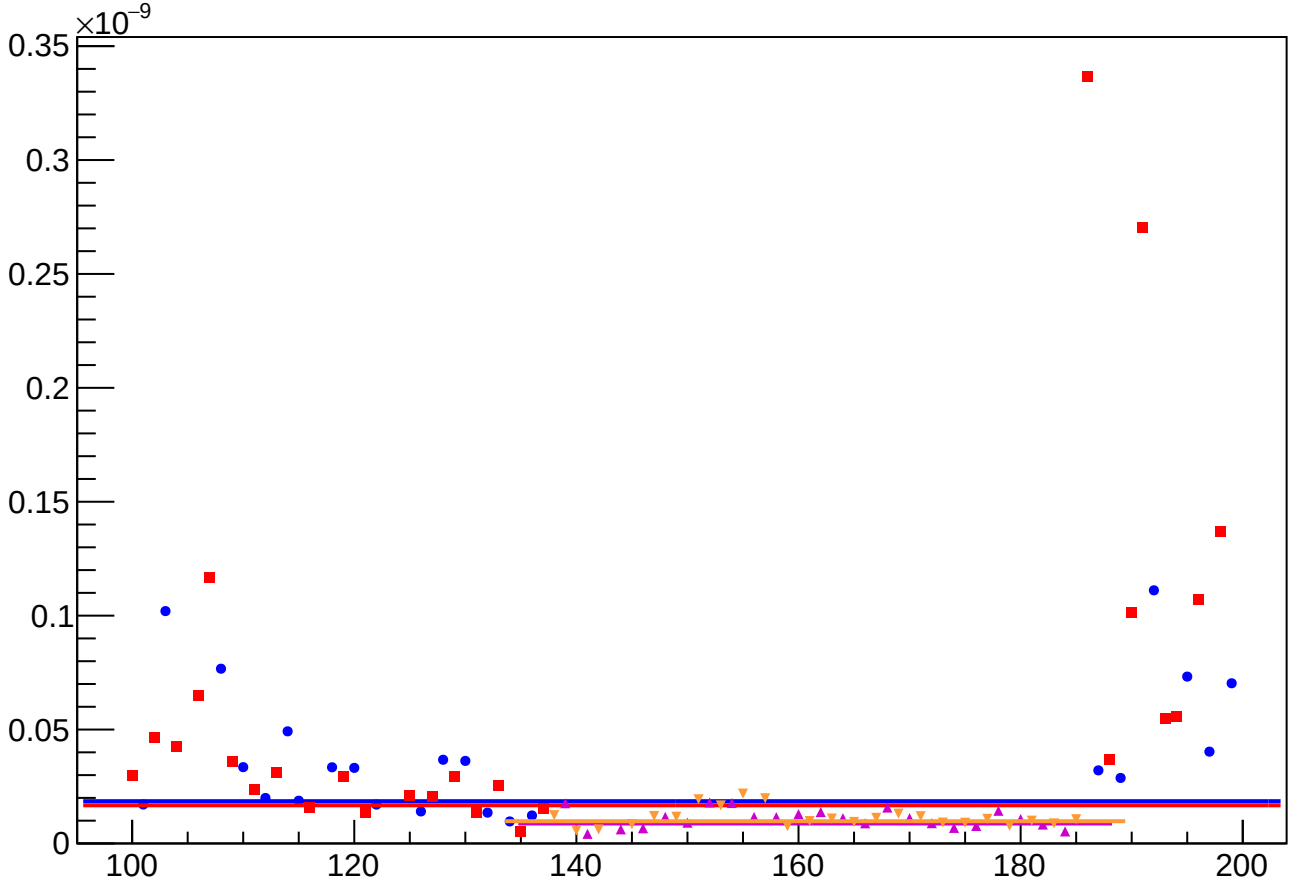
Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/25

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/45

All: 0.000+/-0.000 χ^2/NDF: 96.2/94

- sign -0.000+/-0.000 χ^2/NDF: 51.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 3239640.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5040192.9/25

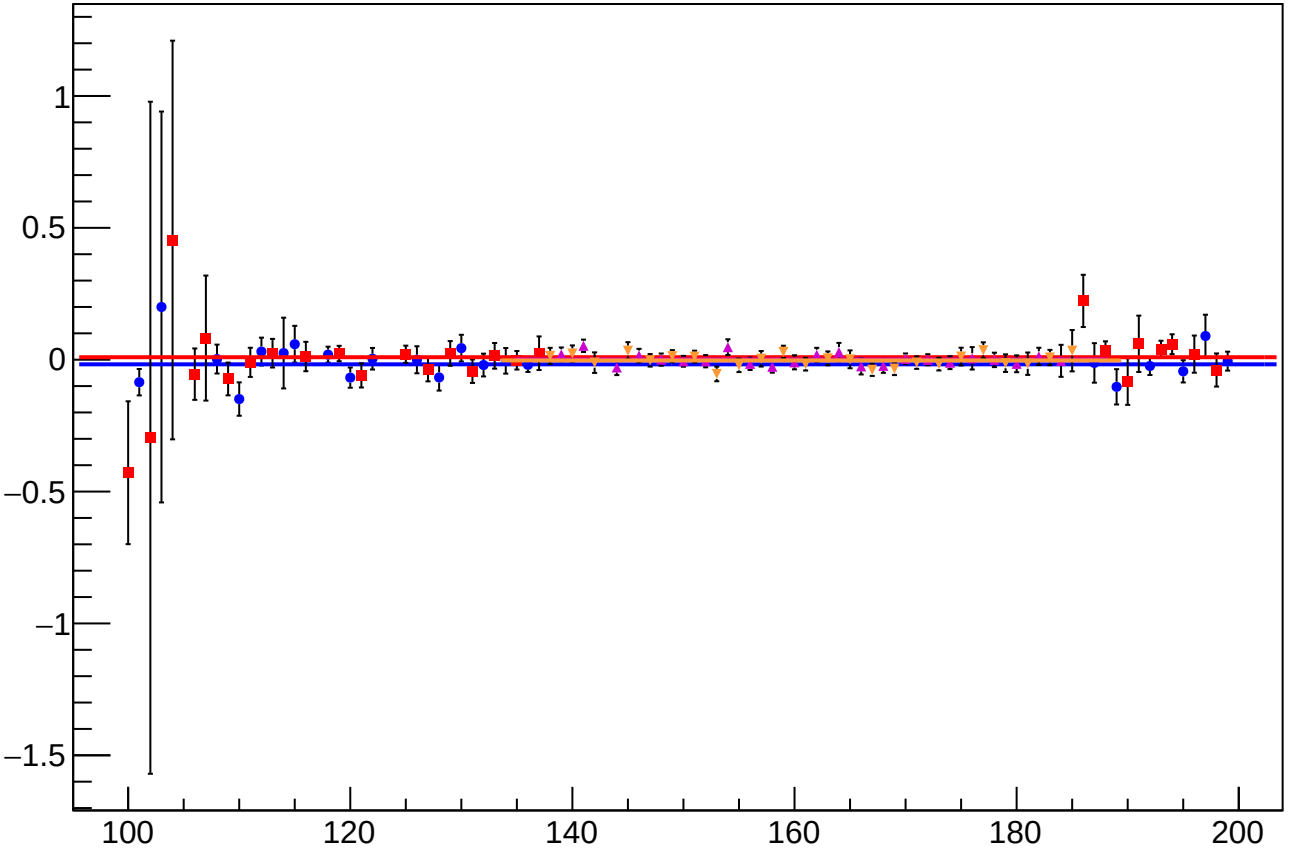
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5840679.2/45

All: 0.000+/-0.000 χ^2/NDF: 13987457.2/94

- sign 0.000+/-0.000 χ^2/NDF: 8038413.4/48

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.009+/-0.010 χ^2/NDF: 20.5/25

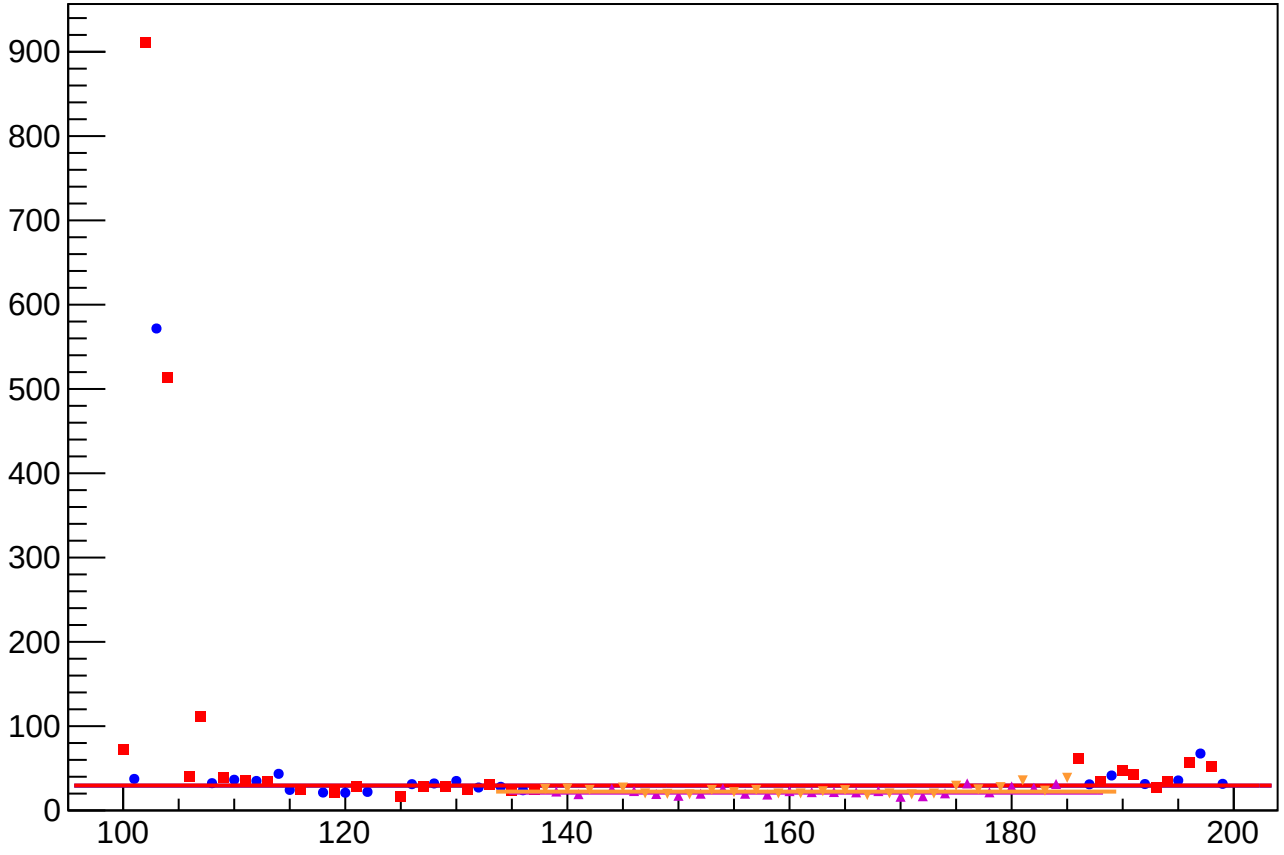
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/45

All: -0.002+/-0.003 χ^2/NDF: 74.4/94

- sign 0.003+/-0.005 χ^2/NDF: 36.0/48

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.396+/-0.007 χ^2/NDF: 2202222.2/21

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

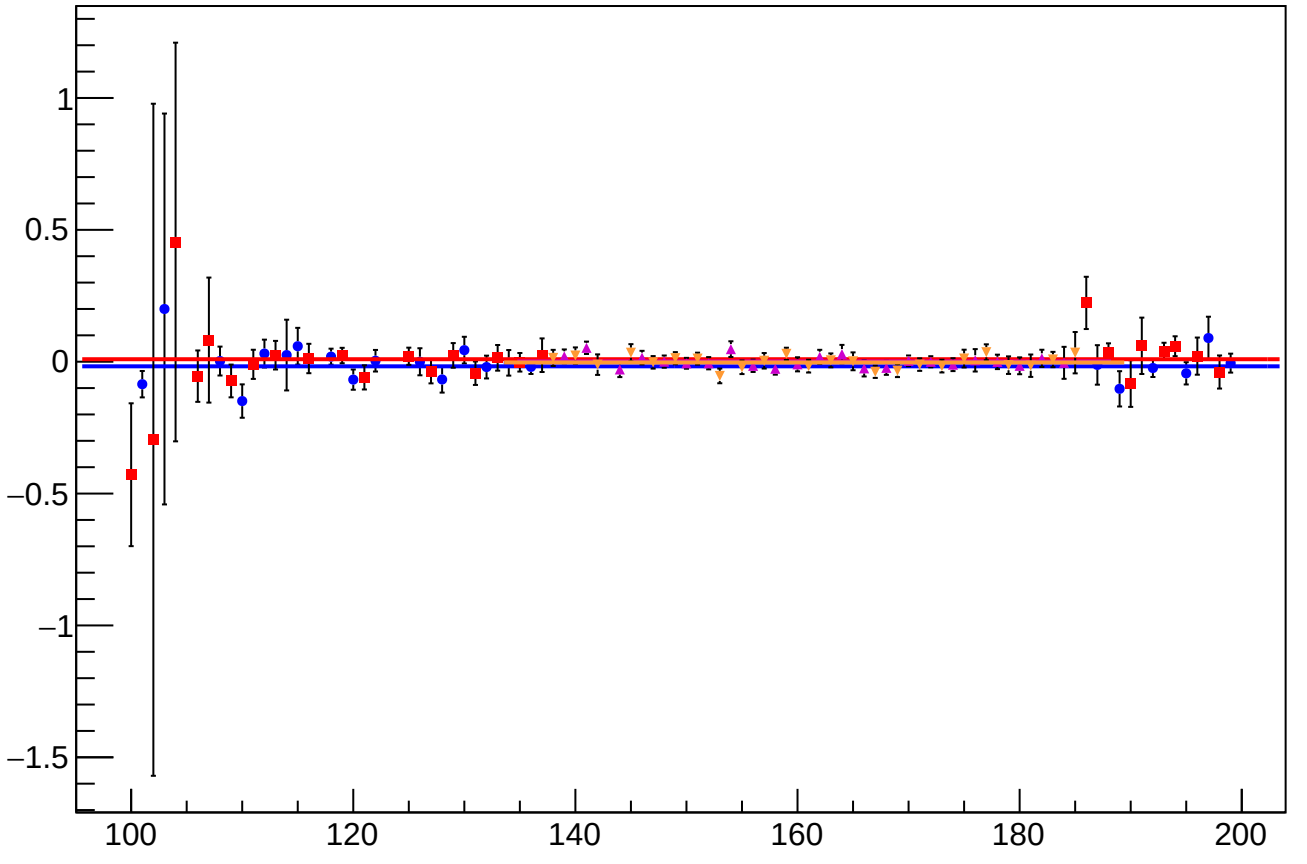
Right Out: 29.607+/-0.007 χ^2/NDF: 3720137.5/25

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.105+/-0.003 χ^2/NDF: 3780798.0/45

All: 23.573+/-0.002 χ^2/NDF: 9488546.6/94

- sign 23.071+/-0.003 χ^2/NDF: 5662520.9/48



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.009+/-0.010 χ^2/NDF: 20.5/25

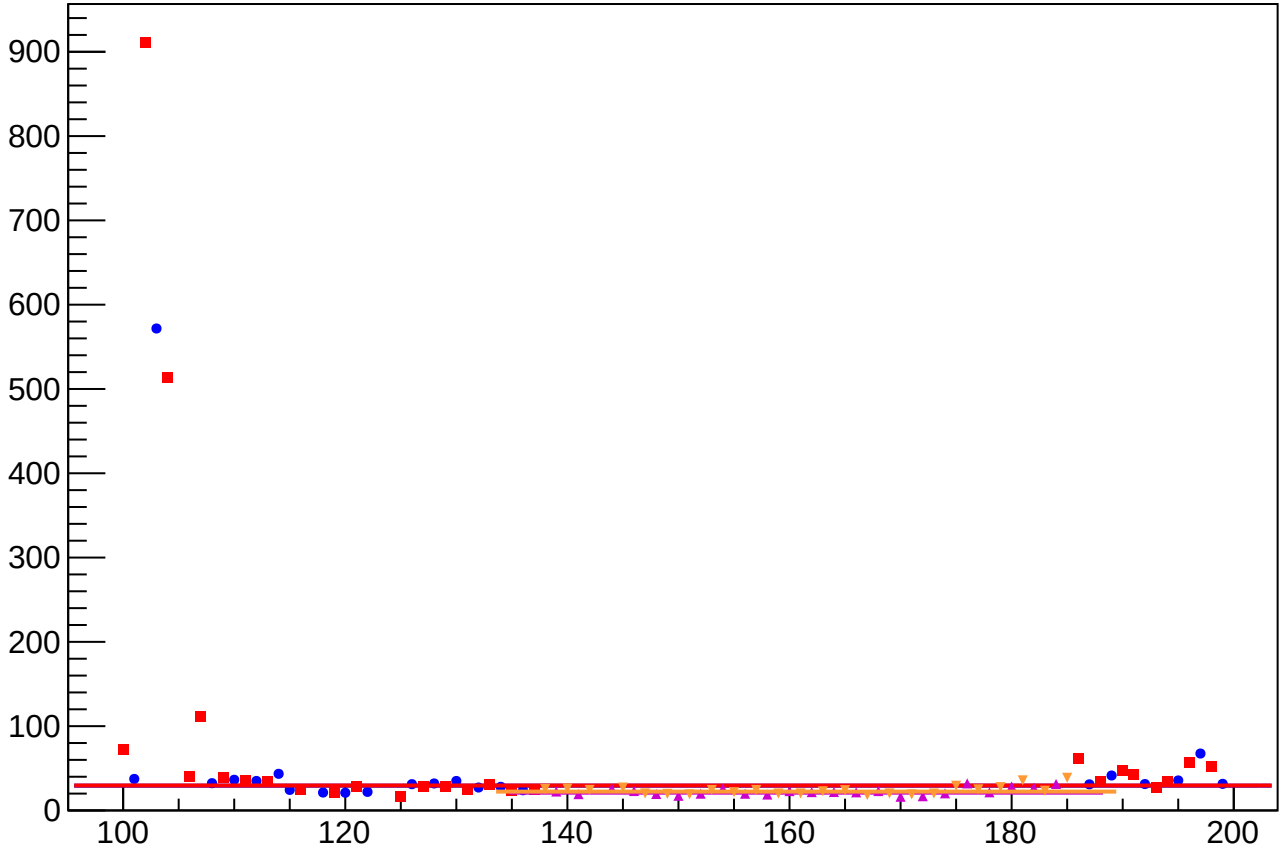
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/45

All: -0.002+/-0.003 χ^2/NDF: 74.4/94

- 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: 29.396+/-0.007 χ^2/NDF: 2202222.2/21

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

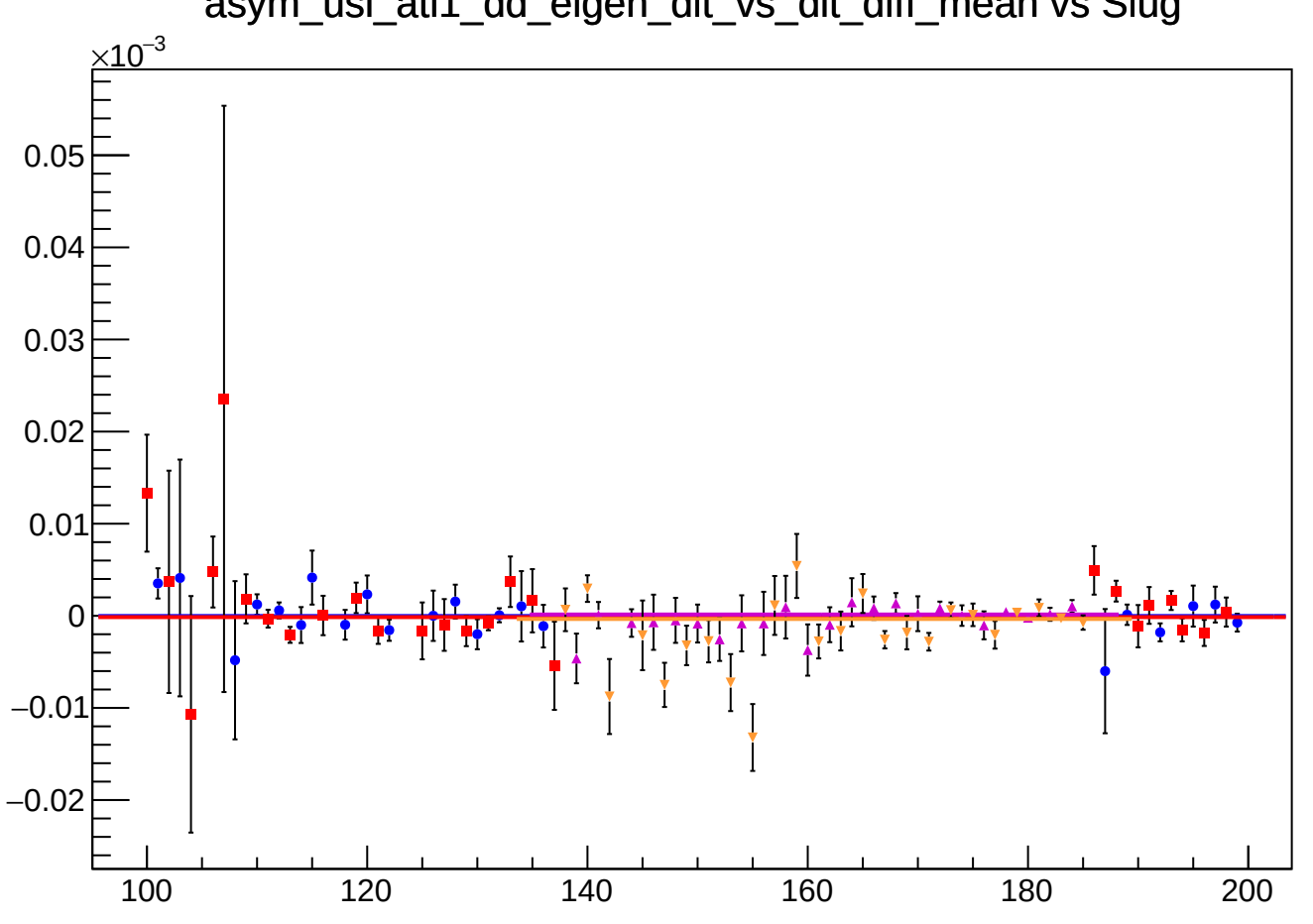
Right Out: 29.607+/-0.007 χ^2/NDF: 3720137.5/25

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.105+/-0.003 χ^2/NDF: 3780798.0/45

All: 23.573+/-0.002 χ^2/NDF: 9488546.6/94

- sign 23.071+/-0.003 χ^2/NDF: 5662520.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/25

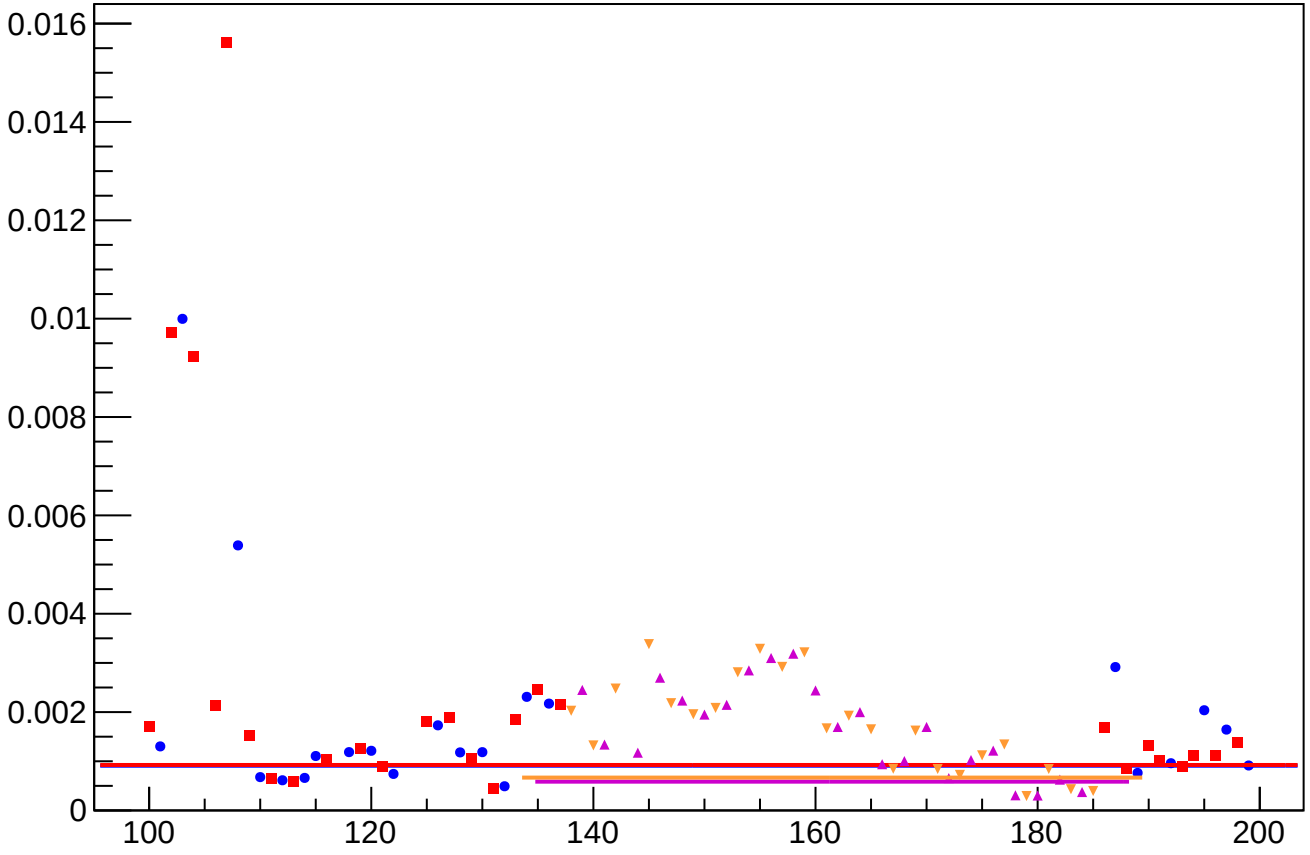
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.2/45

All: -0.000+/-0.000 χ^2/NDF: 143.1/94

- sign 0.000+/-0.000 χ^2/NDF: 52.2/48

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4924672.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

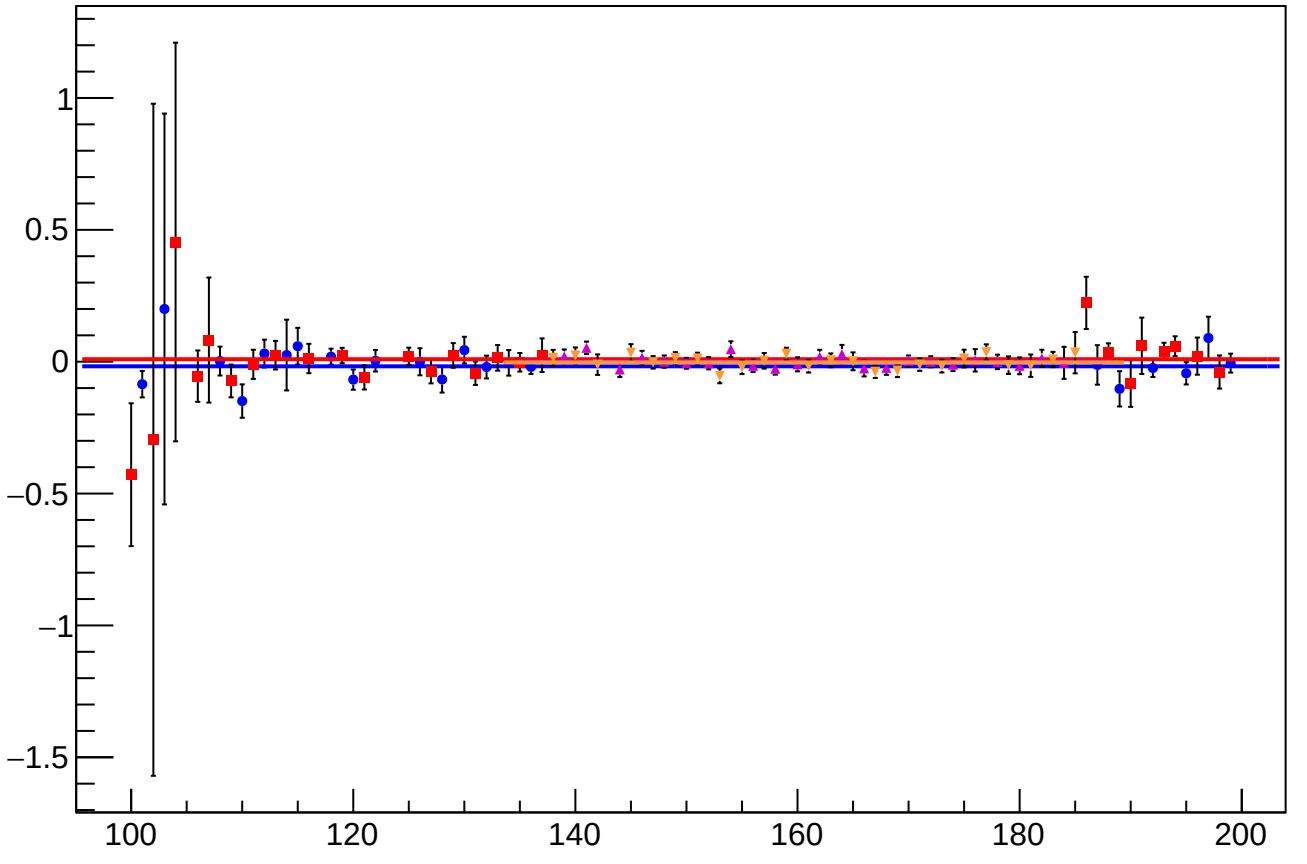
Right Out: 0.001+/-0.000 χ^2/NDF: 5613762.3/25

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 21151640.8/45

All: 0.001+/-0.000 χ^2/NDF: 44307232.9/94

- sign 0.001+/-0.000 χ^2/NDF: 22989290.2/48



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

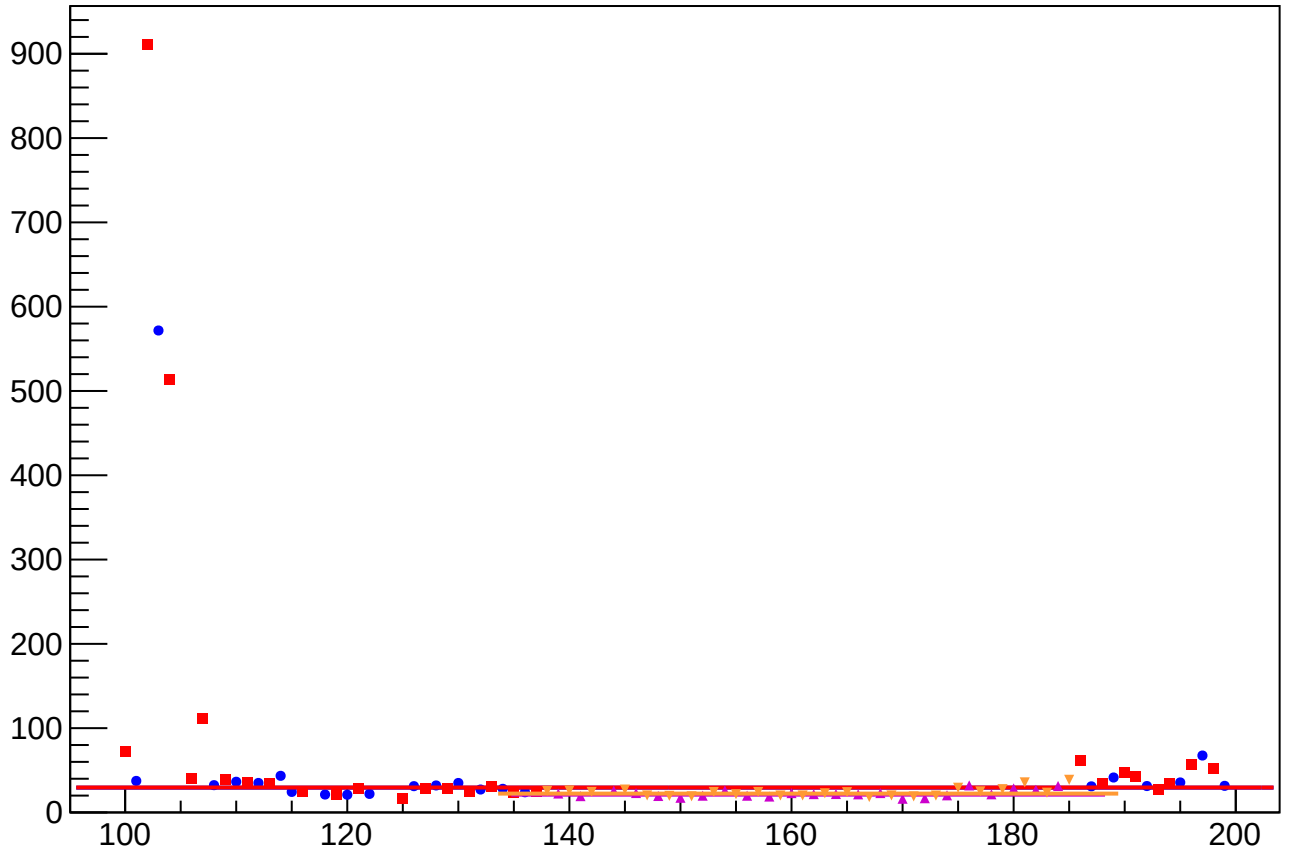
Right Out: 0.009+/-0.010 χ^2/NDF: 20.5/25

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/45

All: -0.002+/-0.003 χ^2/NDF: 74.4/94

- sign 0.003+/-0.005 χ^2/NDF: 36.0/48



Right In: 29.396+/-0.007 χ^2/NDF: 2202234.0/21

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

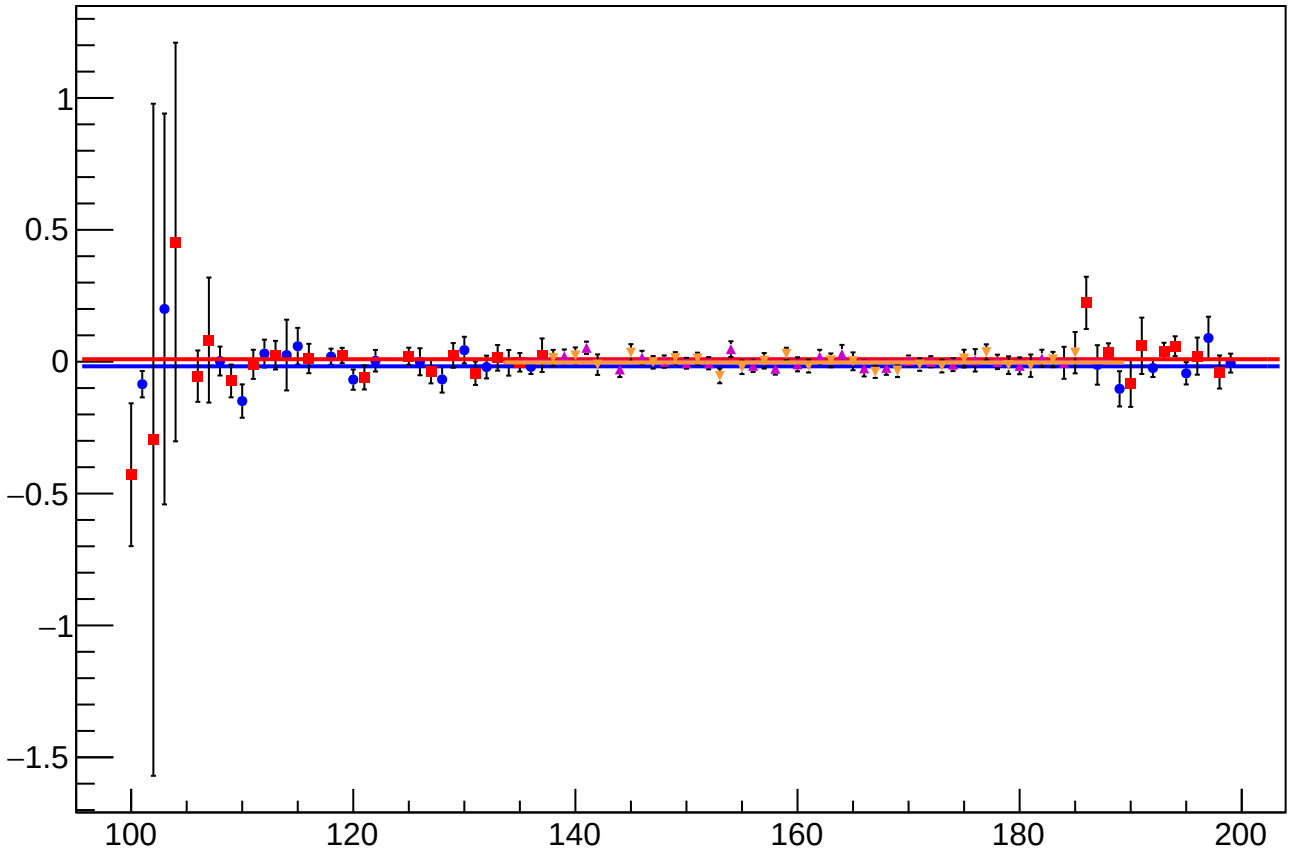
Right Out: 29.607+/-0.007 χ^2/NDF: 3720159.3/25

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.105+/-0.003 χ^2/NDF: 3780786.7/45

All: 23.573+/-0.002 χ^2/NDF: 9488564.7/94

- sign 23.071+/-0.003 χ^2/NDF: 5662551.8/48



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

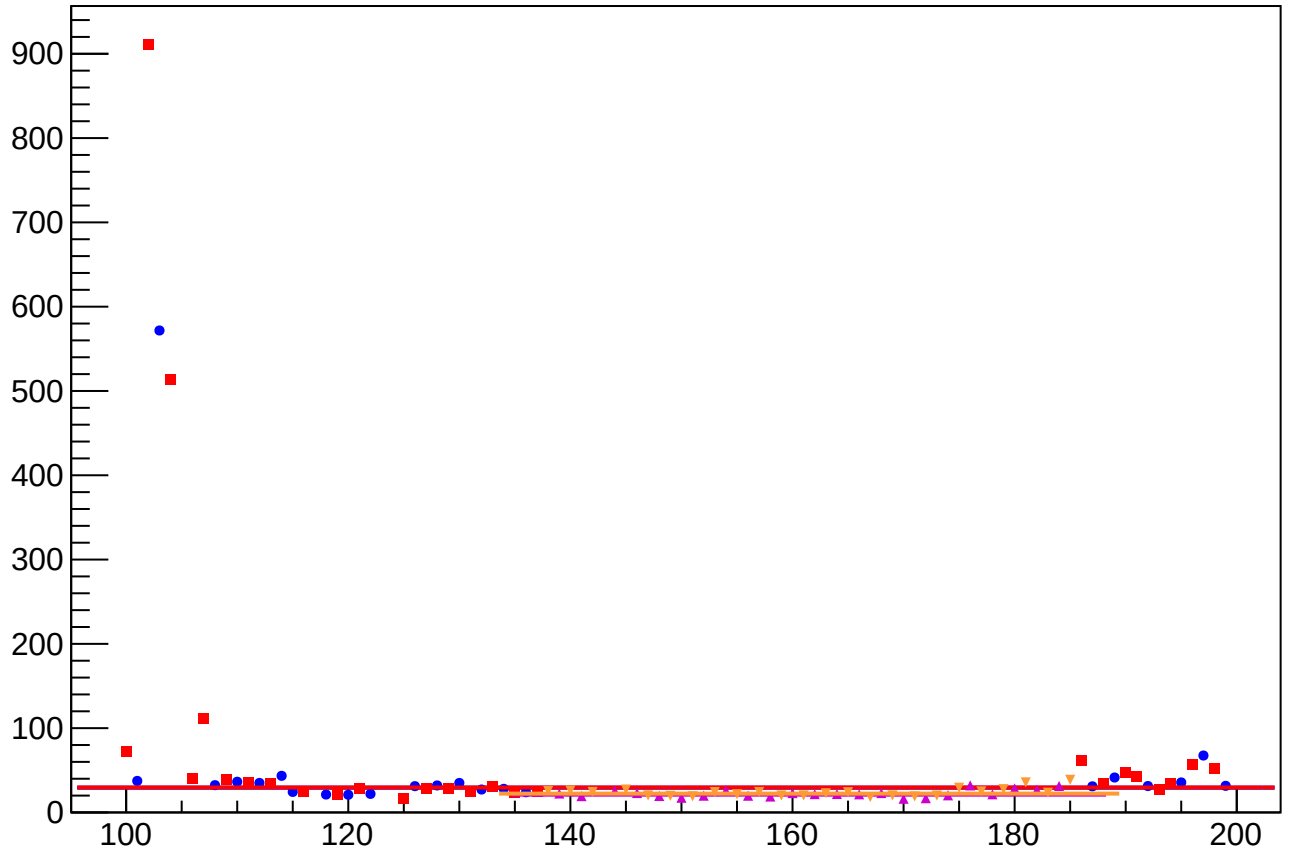
Right Out: 0.009+/-0.010 χ^2/NDF: 20.5/25

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/45

All: -0.002+/-0.003 χ^2/NDF: 74.4/94

- sign 0.003+/-0.005 χ^2/NDF: 36.0/48



Right In: 29.396+/-0.007 χ^2/NDF: 2202234.0/21

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

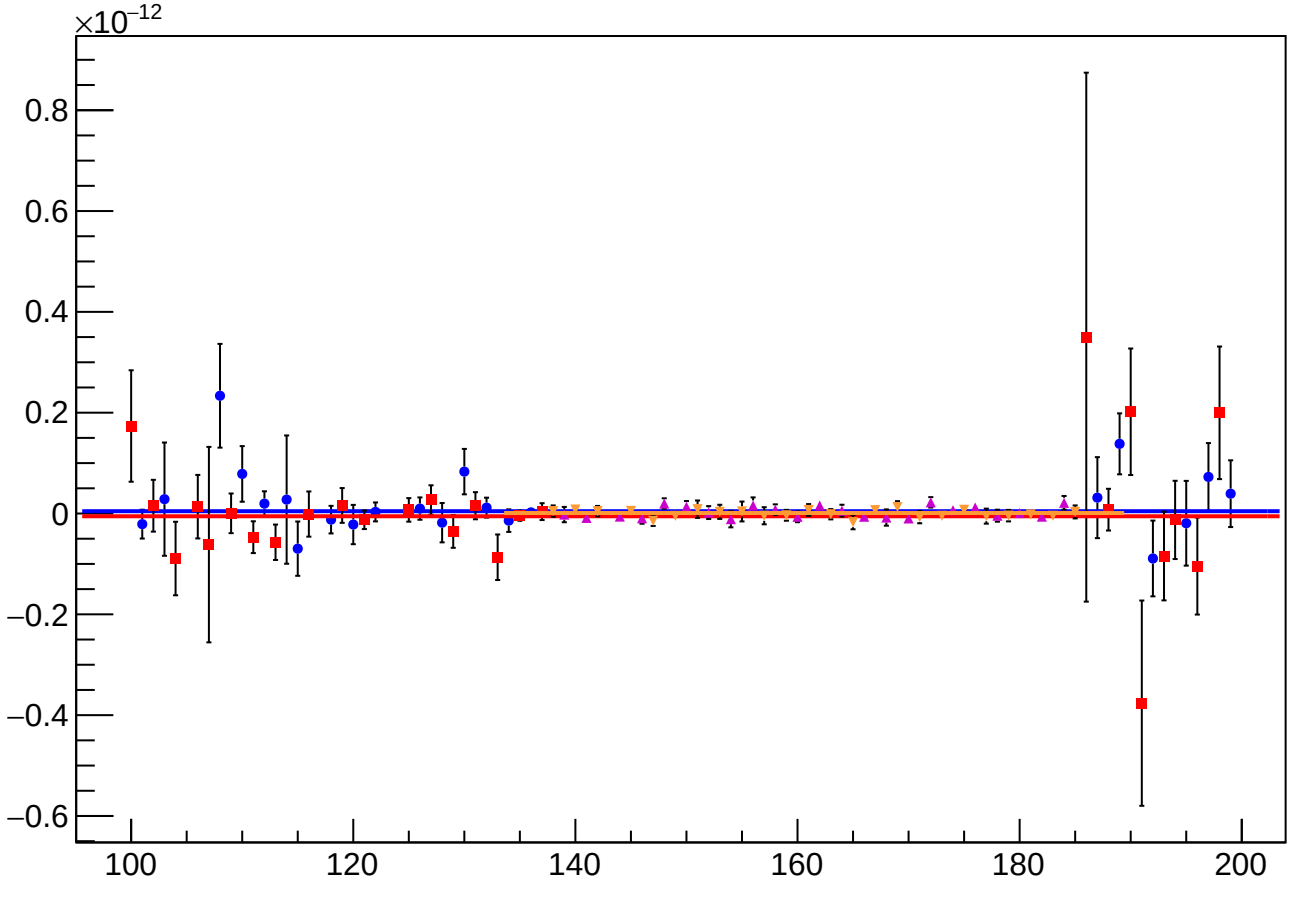
Right Out: 29.607+/-0.007 χ^2/NDF: 3720159.3/25

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.105+/-0.003 χ^2/NDF: 3780786.7/45

All: 23.573+/-0.002 χ^2/NDF: 9488564.7/94

- sign 23.071+/-0.003 χ^2/NDF: 5662551.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

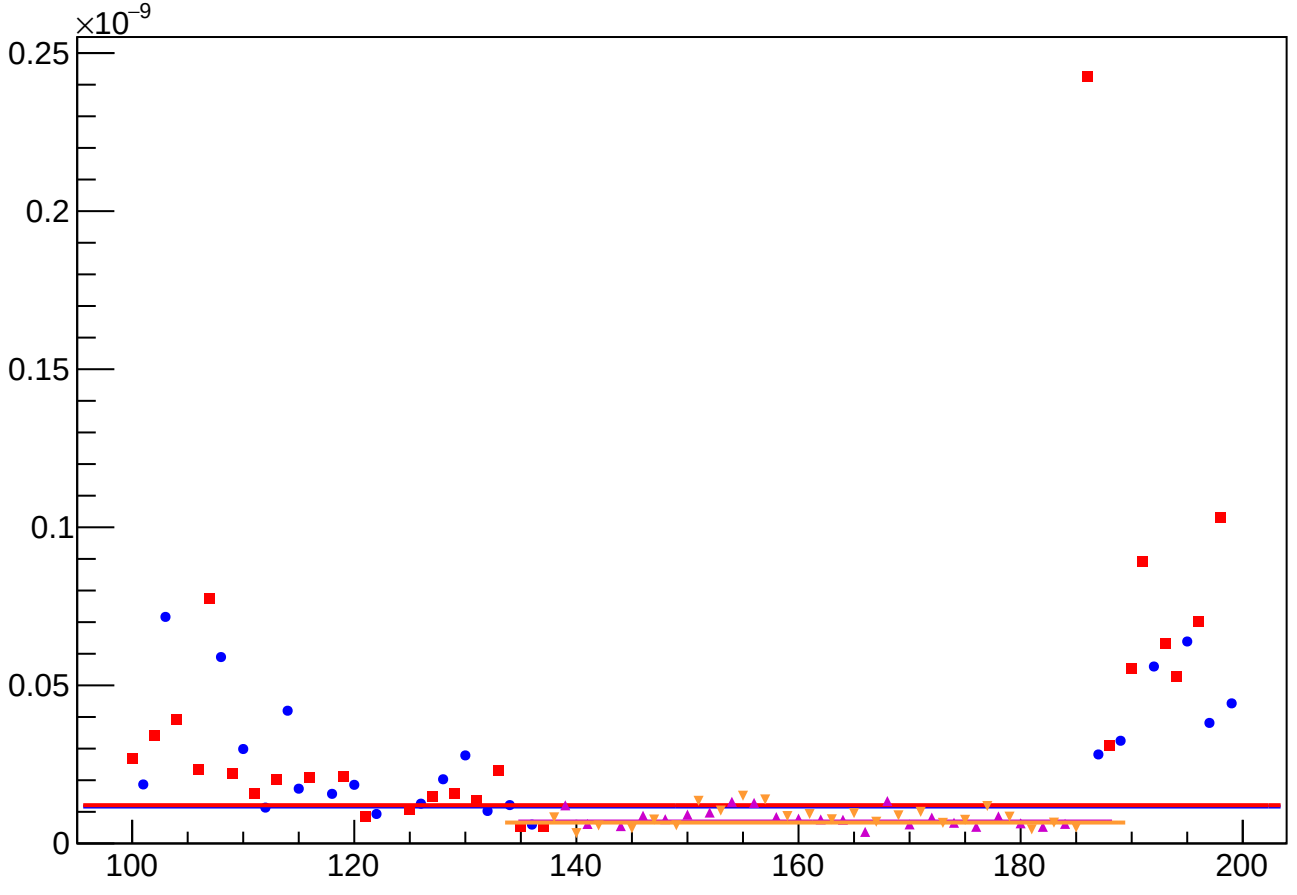
Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/25

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.0/45

All: 0.000+/-0.000 χ^2/NDF: 88.1/94

- sign 0.000+/-0.000 χ^2/NDF: 53.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 5467740.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7136210.6/25

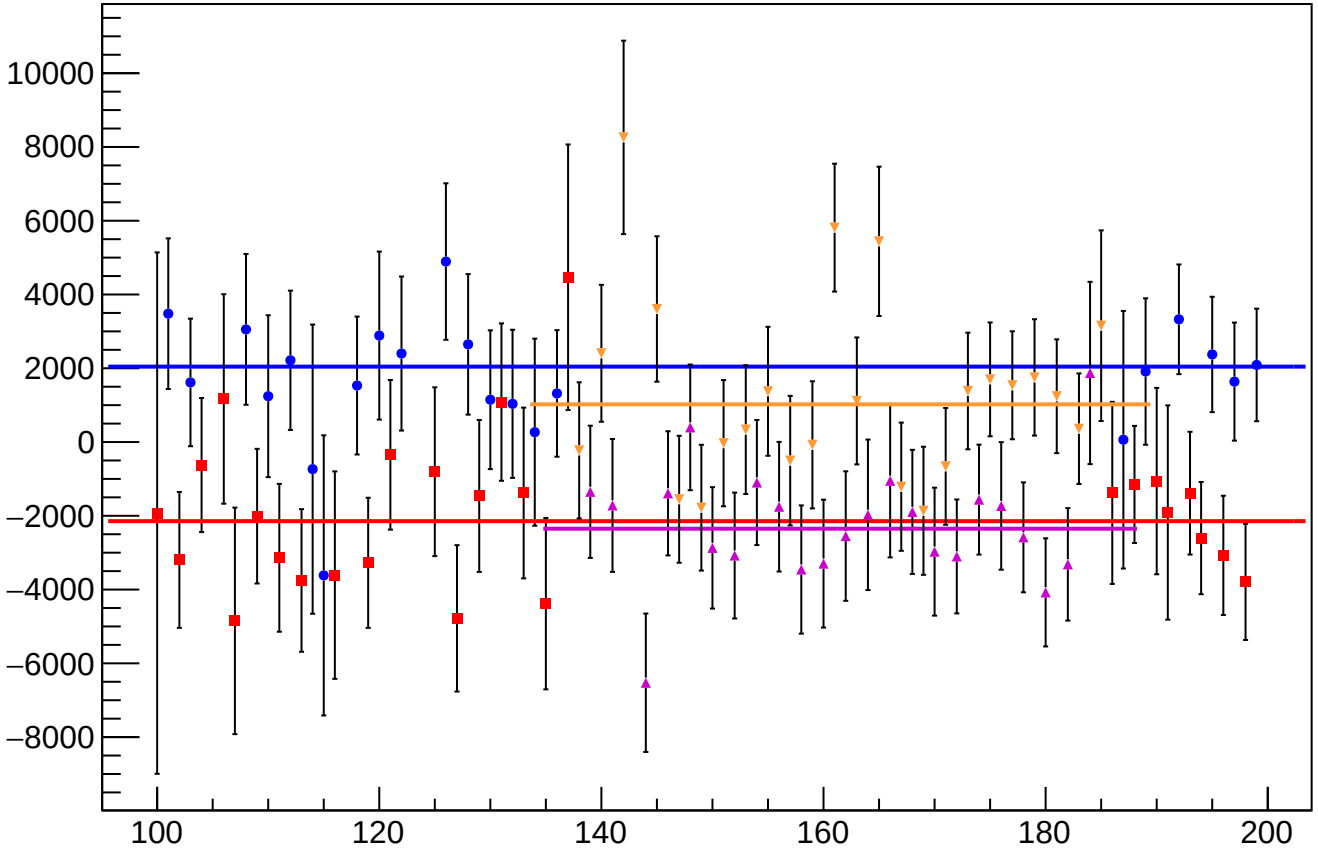
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10364190.4/45

All: 0.000+/-0.000 χ^2/NDF: 21188652.2/94

- sign 0.000+/-0.000 χ^2/NDF: 10798038.7/48

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2044.525+/-419.415 χ^2/NDF: 8.1/21

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2144.814+/-404.246 χ^2/NDF: 16.9/25

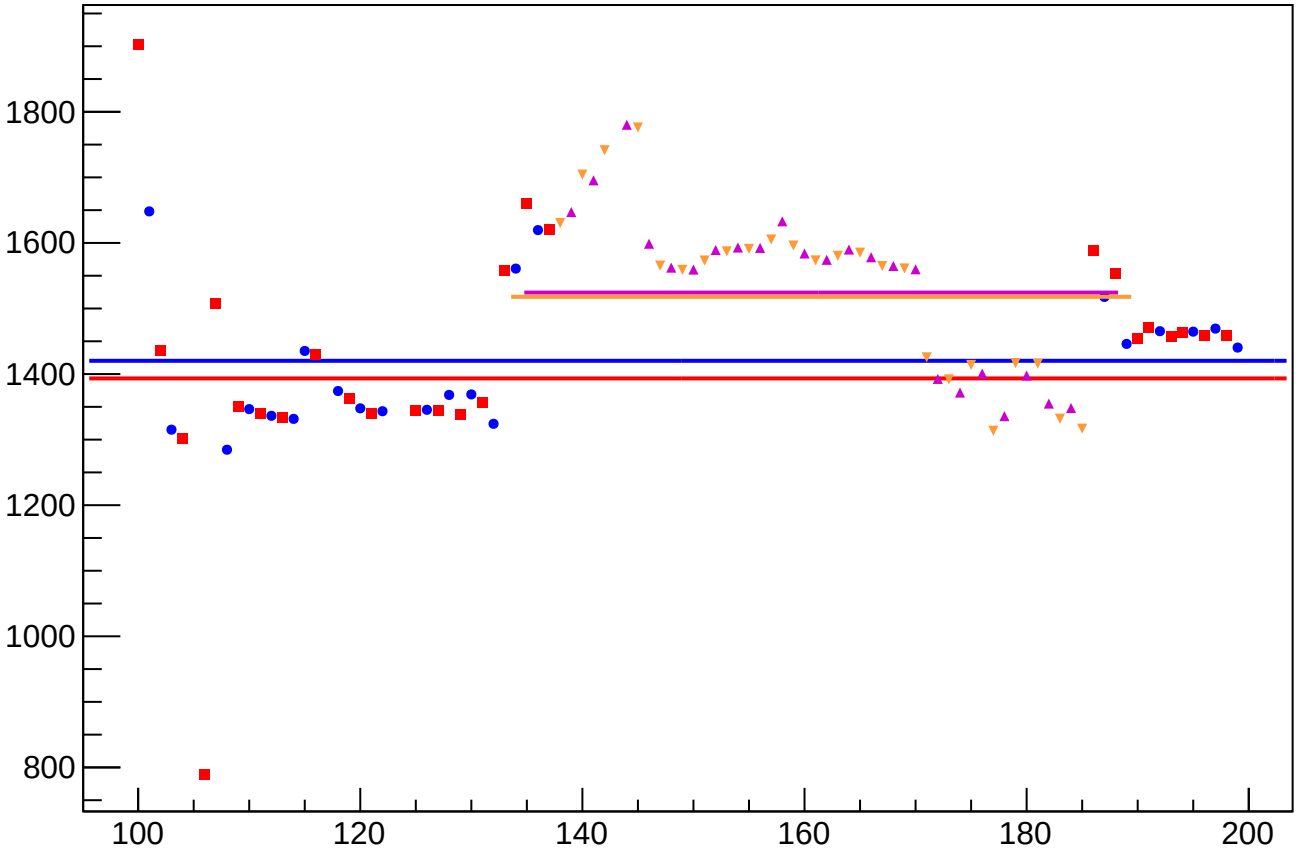
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1446.985+/-270.280 χ^2/NDF: 48.1/45

All: -424.657+/-190.169 χ^2/NDF: 176.0/94

- sign -2259.618+/-267.618 χ^2/NDF: 33.0/48

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.0/21

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

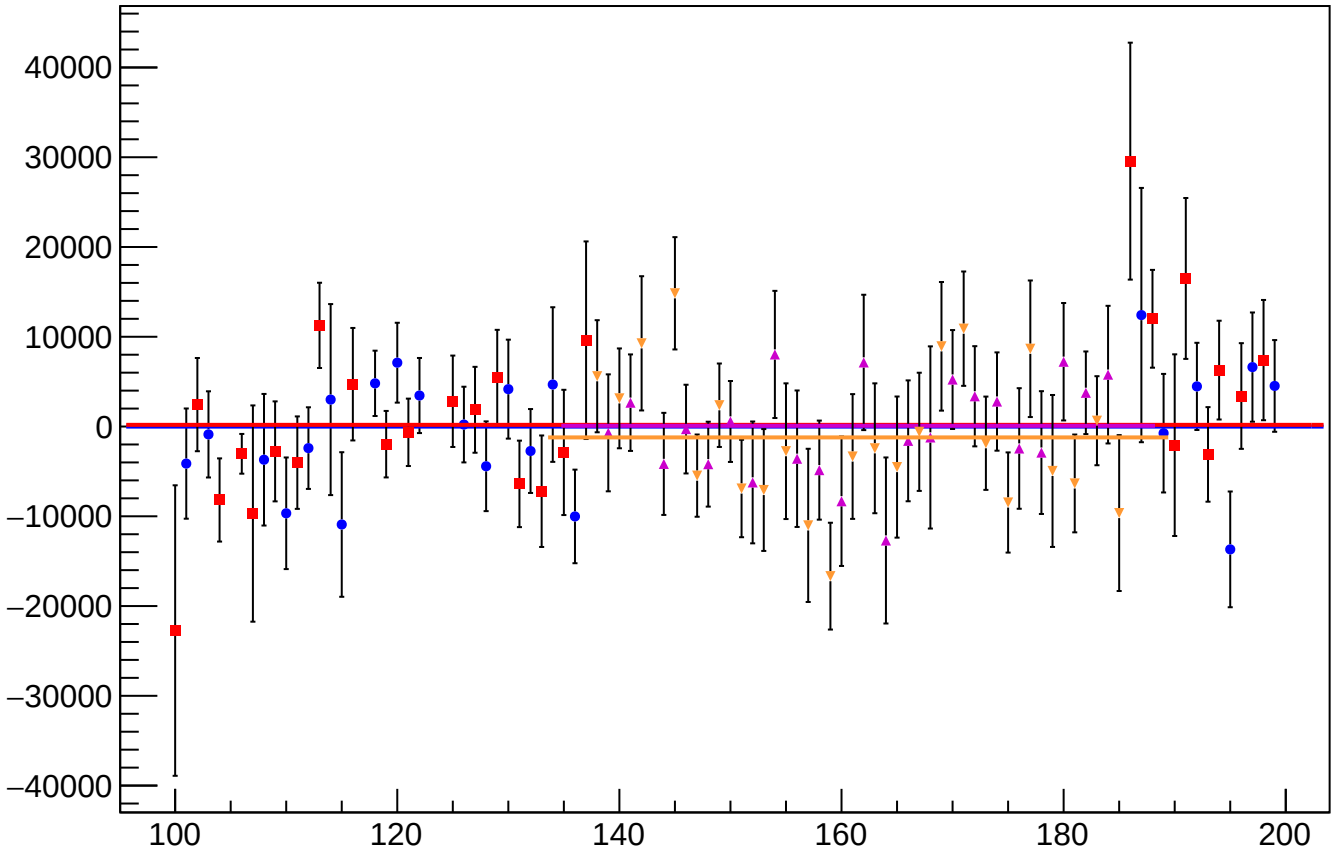
Right Out: 1393.347+/-0.280 χ^2/NDF: 391351.4/25

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1477.293+/-0.191 χ^2/NDF: 402341.3/45

All: 1471.367+/-0.134 χ^2/NDF: 1140409.9/94

- sign 1465.656+/-0.188 χ^2/NDF: 736180.6/48



Right In: -7.141+/-1150.760 χ^2/NDF: 24.1/21

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 187.591+/-1010.562 χ^2/NDF: 37.2/25

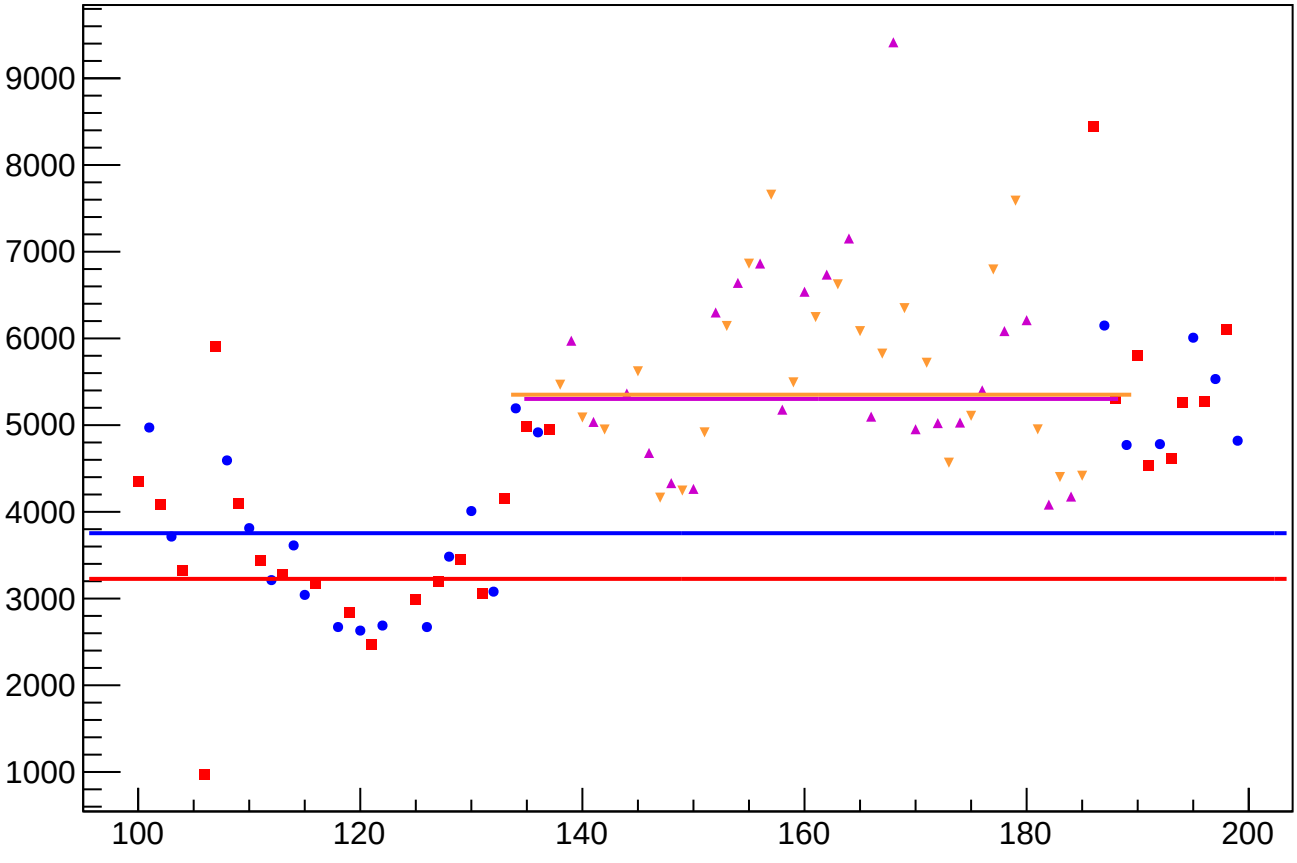
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -551.110+/-852.247 χ^2/NDF: 57.9/45

All: -175.927+/-579.131 χ^2/NDF: 108.7/94

- sign 145.954+/-789.390 χ^2/NDF: 50.4/48

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3753.824+/-0.814 χ^2/NDF: 1619105.6/21

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3226.985+/-0.715 χ^2/NDF: 4428002.2/25

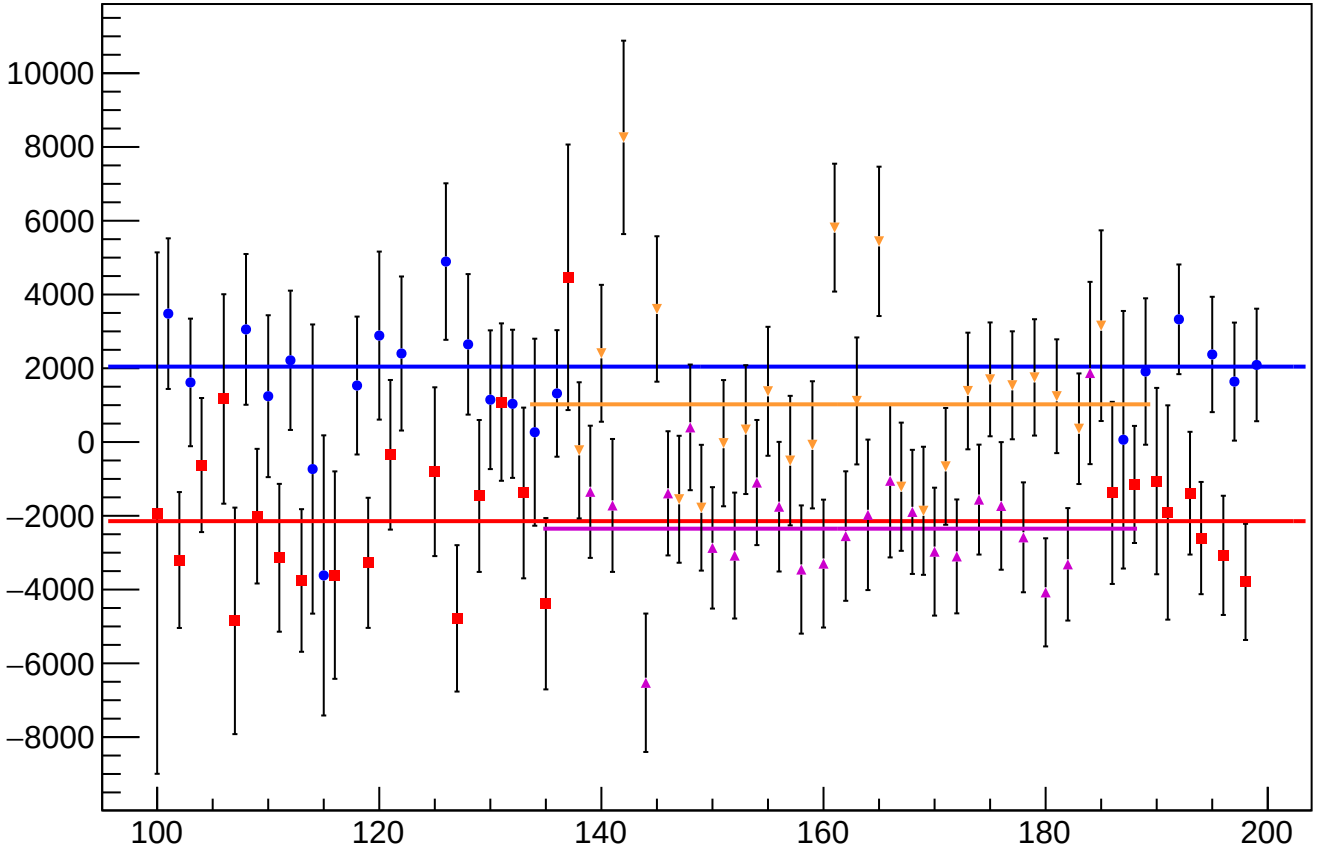
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4475.037+/-0.603 χ^2/NDF: 4424996.6/45

All: 4238.701+/-0.410 χ^2/NDF: 13682734.0/9

- sign 4035.941+/-0.558 χ^2/NDF: 8971985.1/48

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2044.554+/-419.415 χ^2/NDF: 8.1/21

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2144.942+/-404.248 χ^2/NDF: 16.9/25

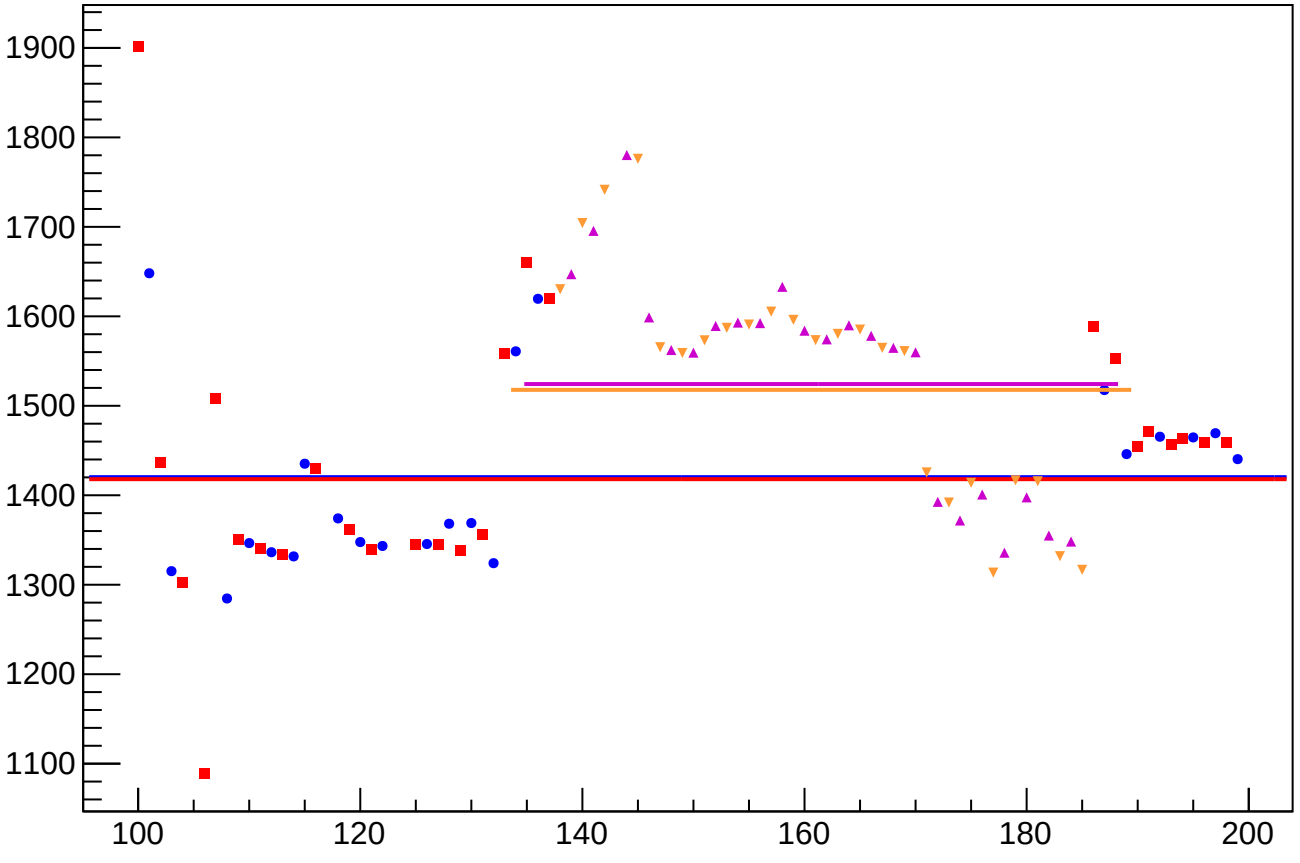
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1447.015+/-270.280 χ^2/NDF: 48.1/45

All: -424.666+/-190.169 χ^2/NDF: 176.0/94

- sign -2259.673+/-267.619 χ^2/NDF: 33.0/48

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.1/21

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1417.988+/-0.284 χ^2/NDF: 158010.9/25

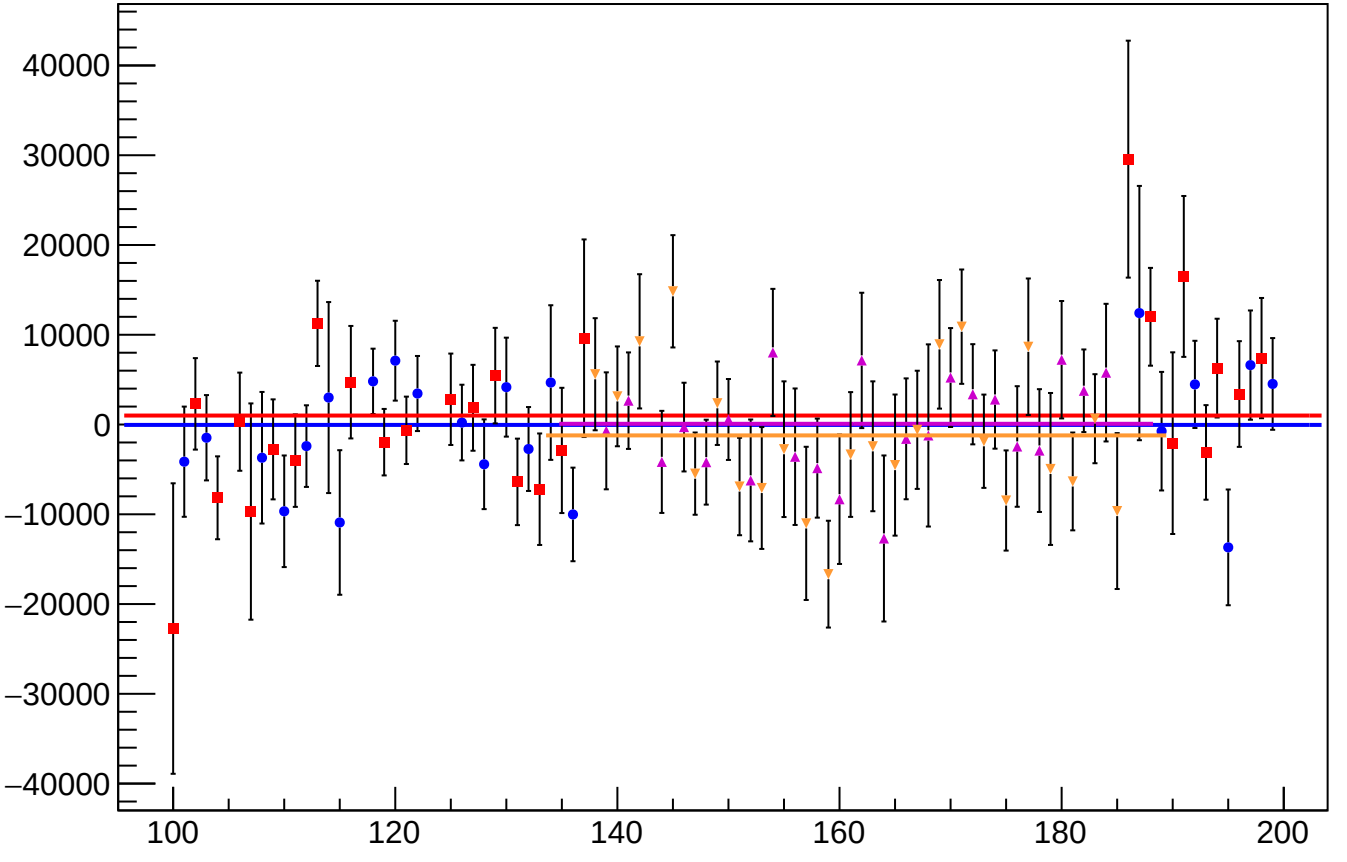
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1477.293+/-0.191 χ^2/NDF: 402341.4/45

All: 1477.291+/-0.134 χ^2/NDF: 863106.5/94

- sign 1477.289+/-0.189 χ^2/NDF: 460765.1/48

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -43.480+/-1150.070 χ^2/NDF: 24.2/21

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 1000.399+/-1110.821 χ^2/NDF: 34.6/25

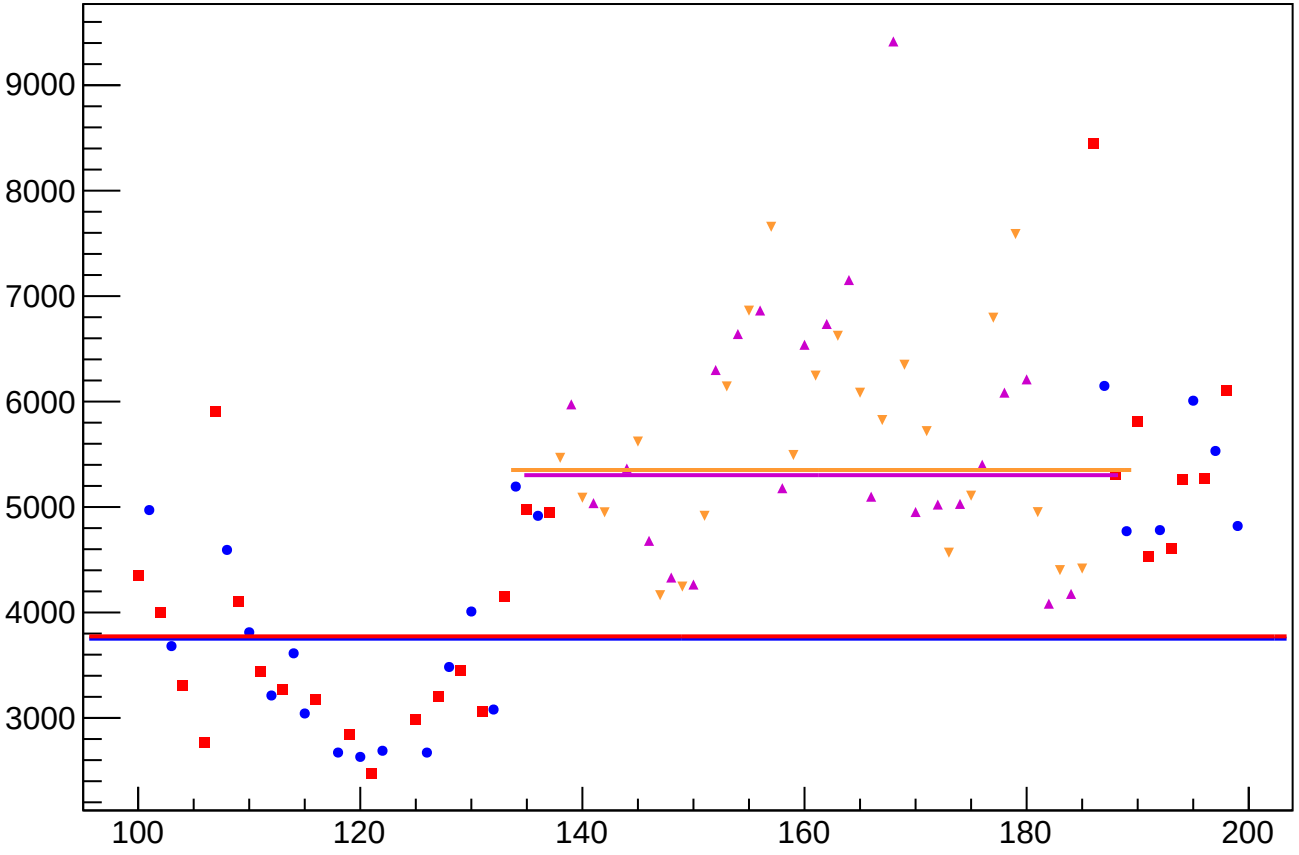
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -570.691+/-851.967 χ^2/NDF: 57.9/45

All: 26.649+/-596.157 χ^2/NDF: 106.9/94

- sign 599.737+/-834.492 χ^2/NDF: 48.1/48

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3751.794+/-0.813 χ^2/NDF: 1619334.6/21

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3773.472+/-0.785 χ^2/NDF: 1869839.5/25

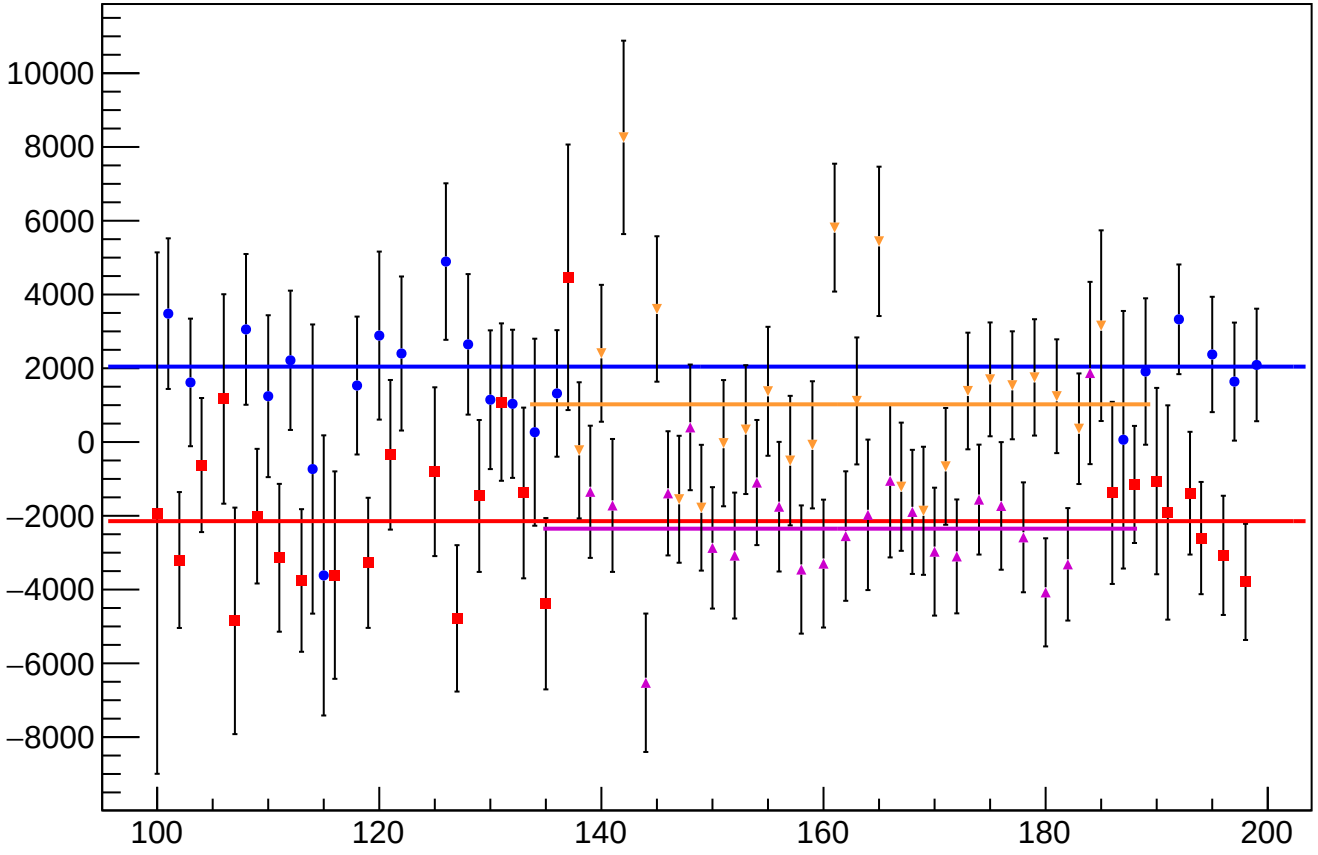
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

\+ sign 4473.450+/-0.602 χ^2/NDF: 4430600.9/45

All: 4456.091+/-0.422 χ^2/NDF: 9208514.2/94

\- sign 4439.436+/-0.590 χ^2/NDF: 4776286.4/48

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2044.554+/-419.415 χ^2/NDF: 8.1/21

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2144.942+/-404.248 χ^2/NDF: 16.9/25

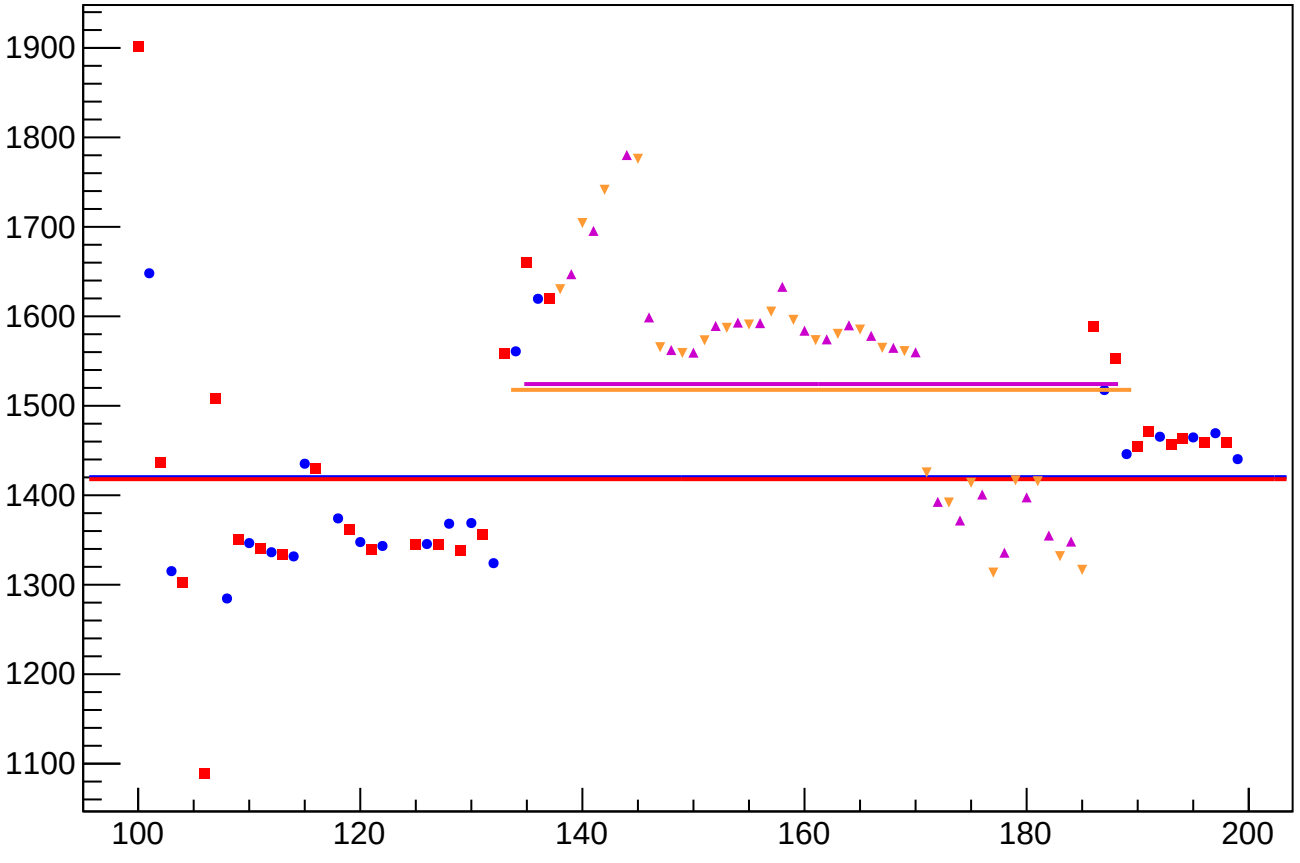
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1447.015+/-270.280 χ^2/NDF: 48.1/45

All: -424.666+/-190.169 χ^2/NDF: 176.0/94

- sign -2259.673+/-267.619 χ^2/NDF: 33.0/48

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.1/21

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

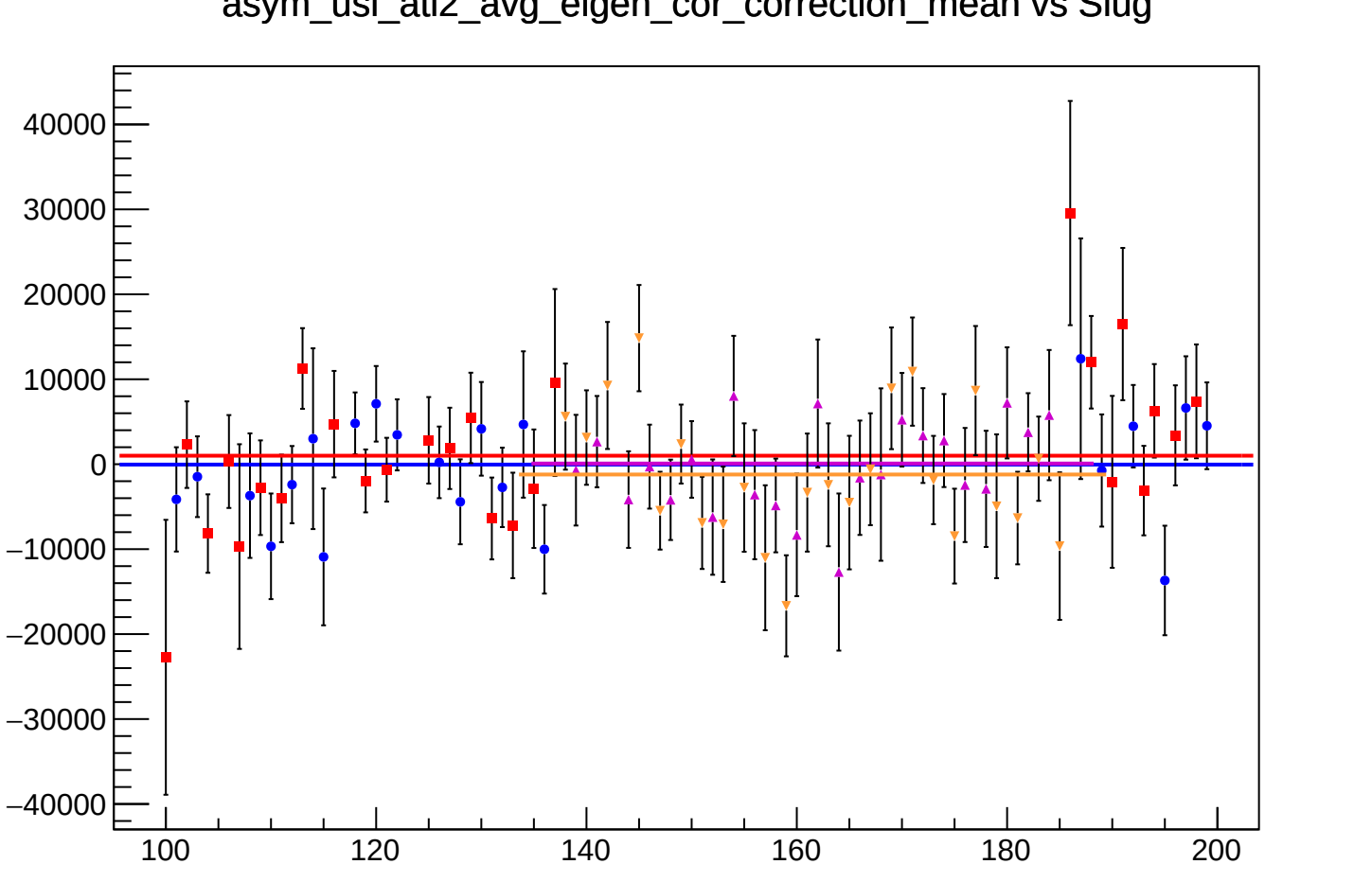
Right Out: 1417.988+/-0.284 χ^2/NDF: 158010.9/25

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1477.293+/-0.191 χ^2/NDF: 402341.4/45

All: 1477.291+/-0.134 χ^2/NDF: 863106.5/94

- sign 1477.289+/-0.189 χ^2/NDF: 460765.1/48



Right In: -43.480+/-1150.070 χ^2/NDF: 24.2/21

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

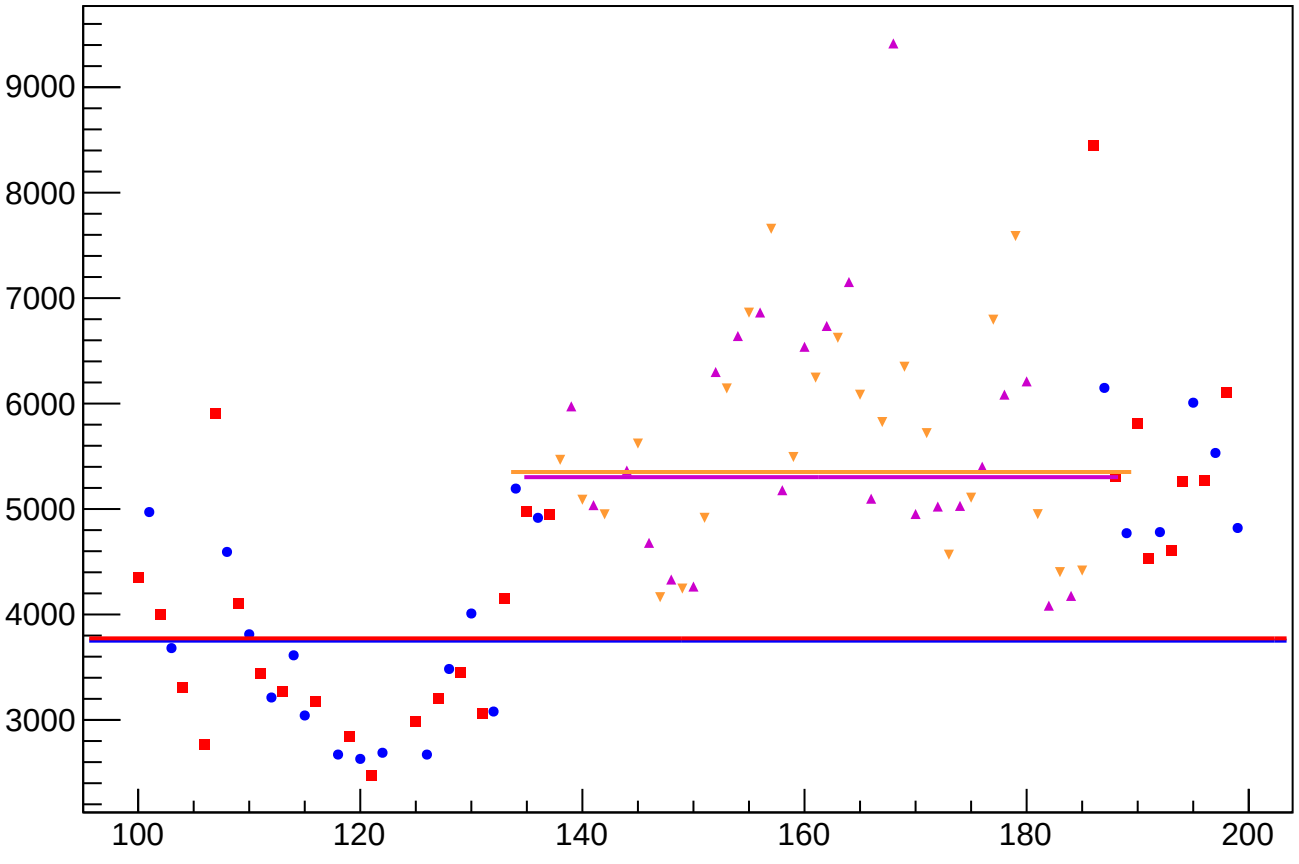
Right Out: 1000.399+/-1110.821 χ^2/NDF: 34.6/25

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -570.691+/-851.967 χ^2/NDF: 57.9/45

All: 26.649+/-596.157 χ^2/NDF: 106.9/94

- sign 599.737+/-834.492 χ^2/NDF: 48.1/48



Right In: 3751.794+/-0.813 χ^2/NDF: 1619334.6/21

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3773.472+/-0.785 χ^2/NDF: 1869839.5/25

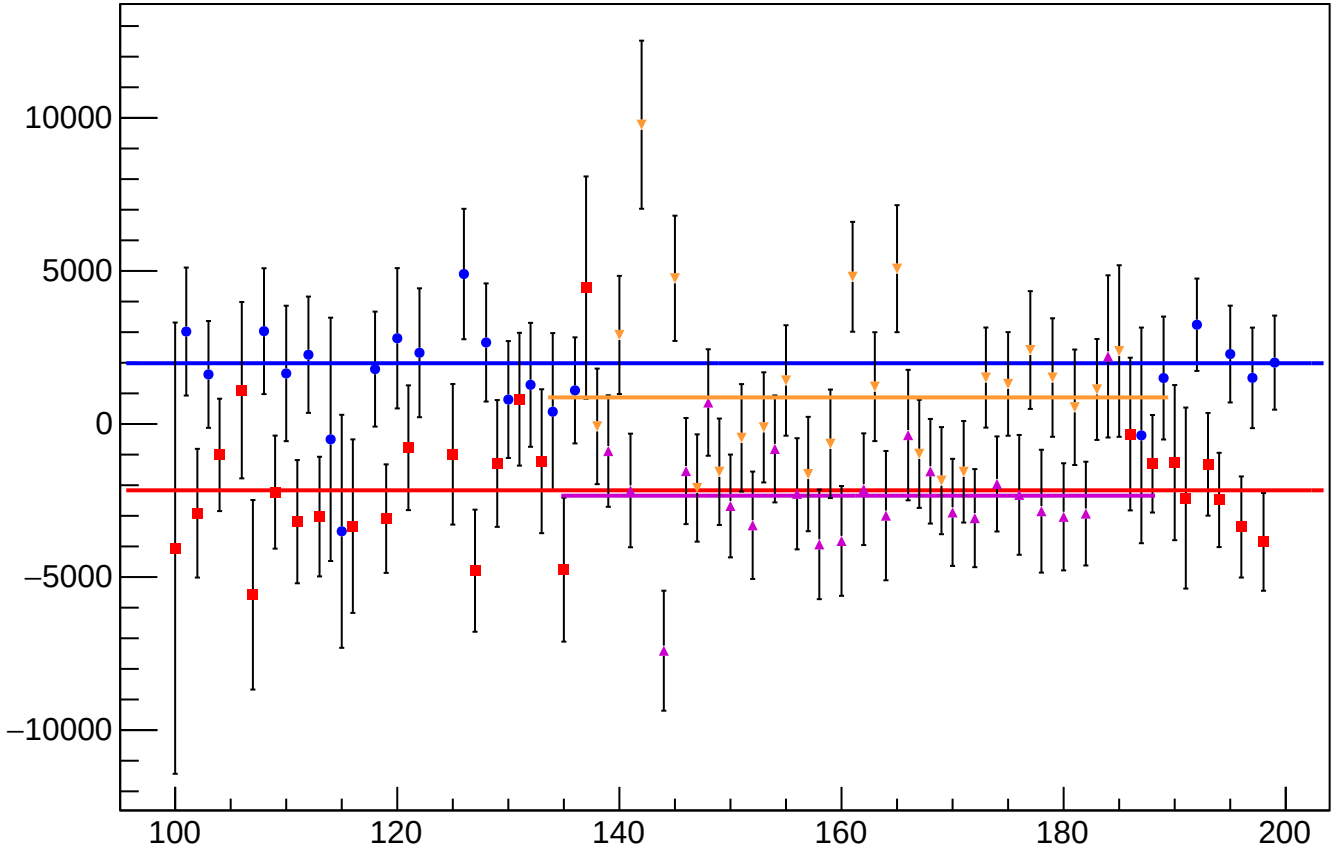
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4473.450+/-0.602 χ^2/NDF: 4430600.9/45

All: 4456.091+/-0.422 χ^2/NDF: 9208514.2/94

- sign 4439.436+/-0.590 χ^2/NDF: 4776286.4/48

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1985.253+/-424.041 χ^2/NDF: 7.7/21

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2166.242+/-410.386 χ^2/NDF: 16.1/25

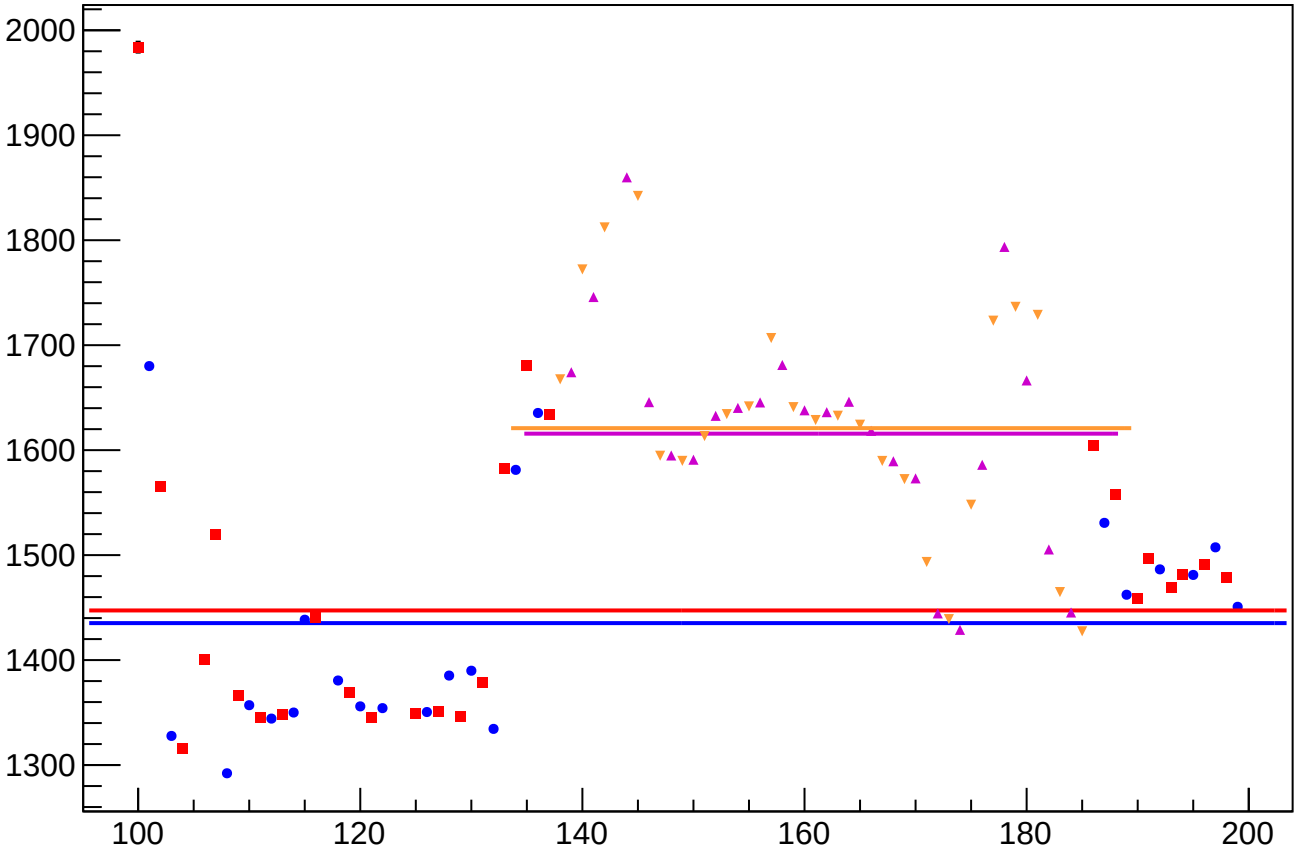
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1361.735+/-281.824 χ^2/NDF: 51.3/45

All: -474.111+/-197.941 χ^2/NDF: 169.3/94

- sign -2261.466+/-278.077 χ^2/NDF: 34.3/48

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1435.221+/-0.300 χ^2/NDF: 113407.9/21

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1447.285+/-0.290 χ^2/NDF: 120288.5/25

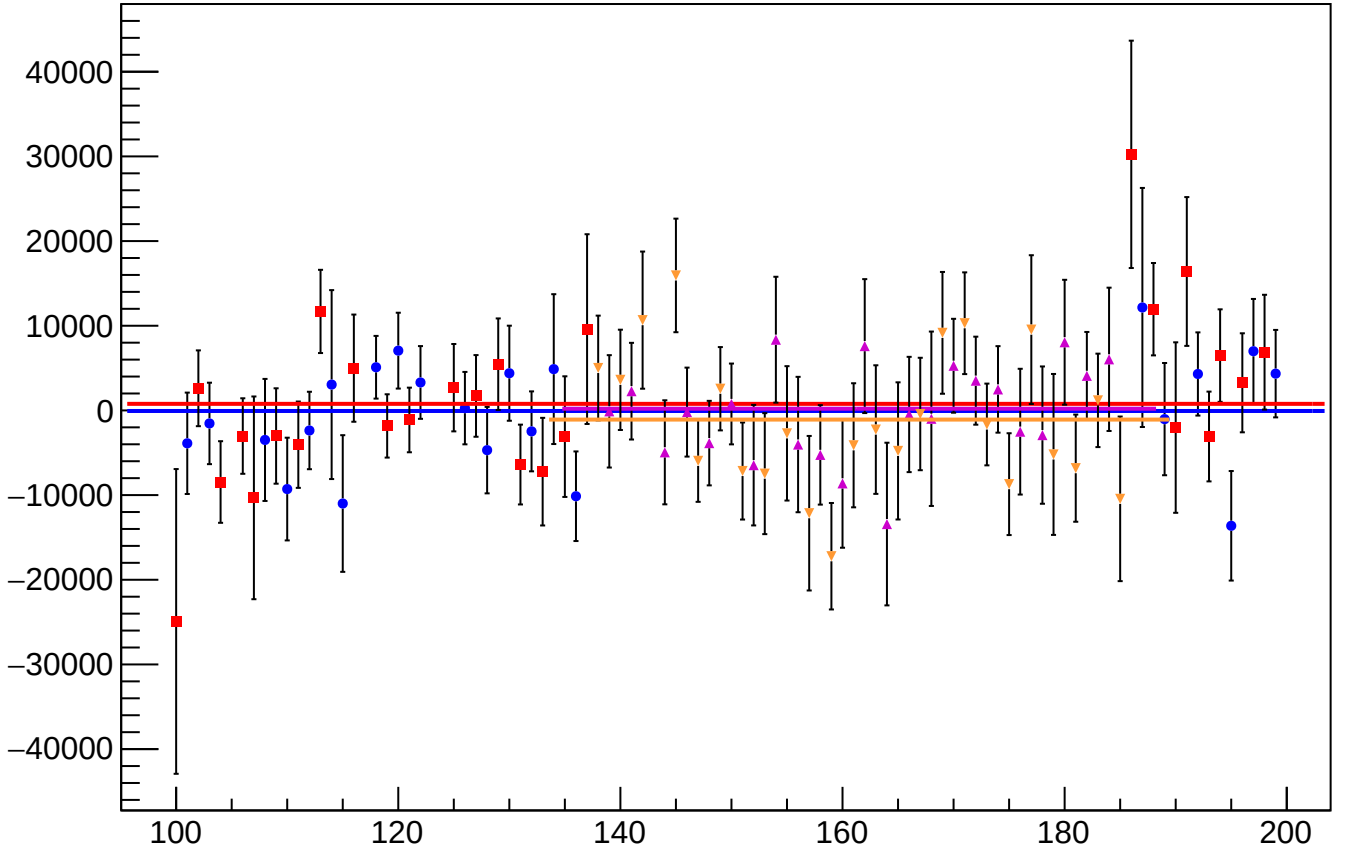
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1538.909+/-0.199 χ^2/NDF: 469587.7/45

All: 1538.571+/-0.140 χ^2/NDF: 909524.4/94

- sign 1538.242+/-0.196 χ^2/NDF: 439931.0/48

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -66.357+/-1161.892 χ^2/NDF: 23.9/21

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 775.434+/-1101.507 χ^2/NDF: 35.5/25

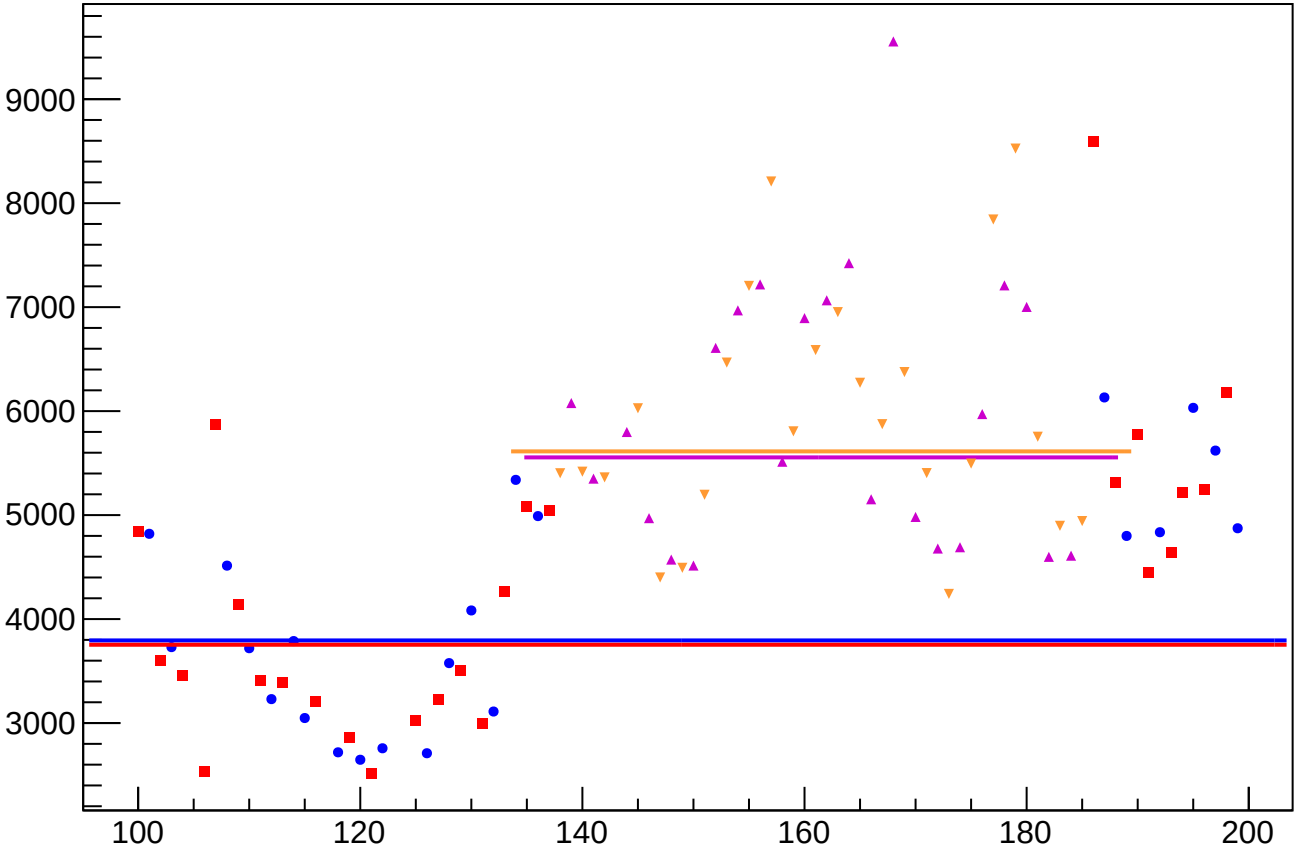
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

\+ sign -505.172+/-875.702 χ^2/NDF: 57.2/45

All: 35.229+/-608.941 χ^2/NDF: 106.5/94

\- sign 541.196+/-847.343 χ^2/NDF: 48.5/48

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3794.728+/-0.822 χ^2/NDF: 1578268.5/21

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

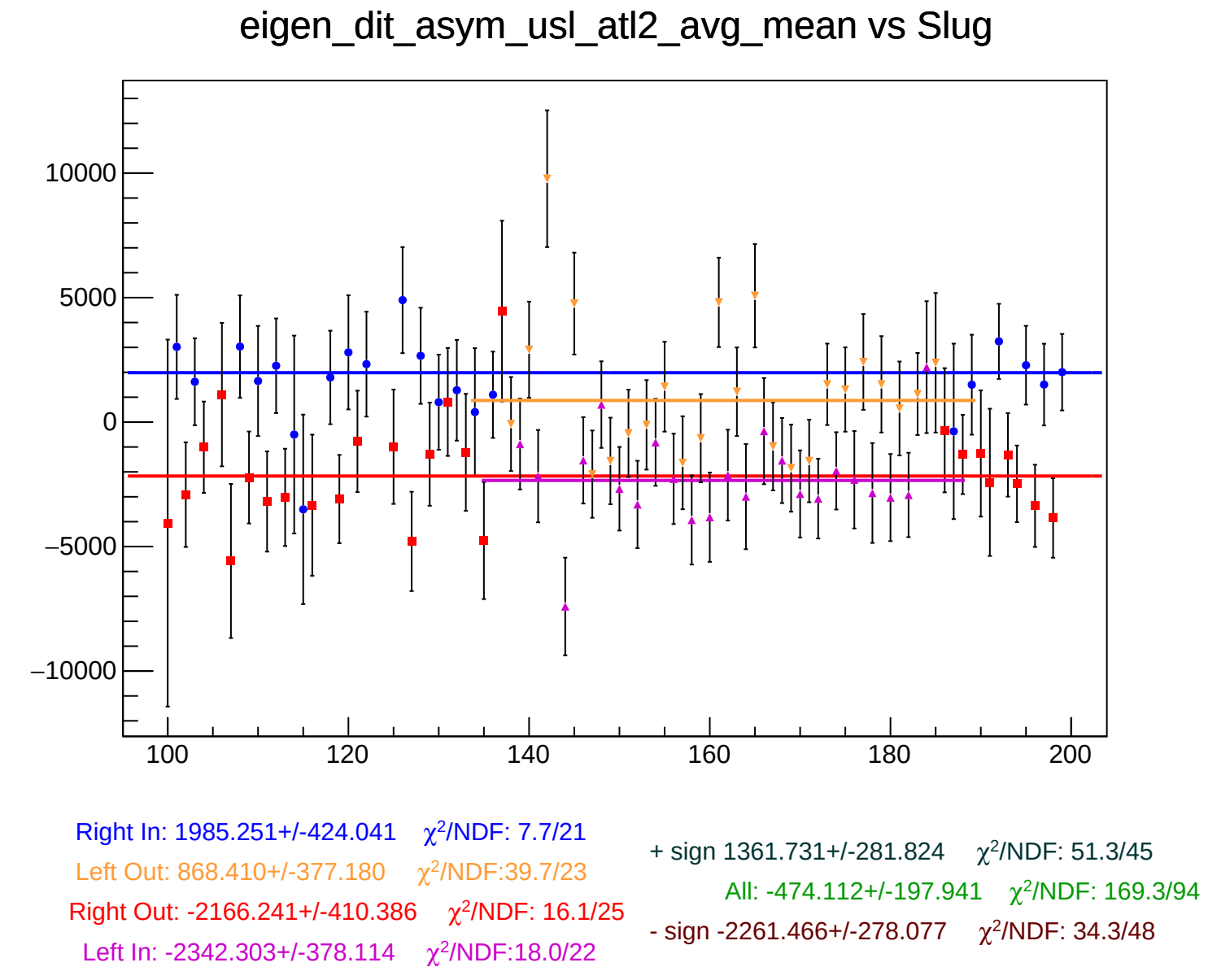
Right Out: 3753.187+/-0.779 χ^2/NDF: 1927073.2/25

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

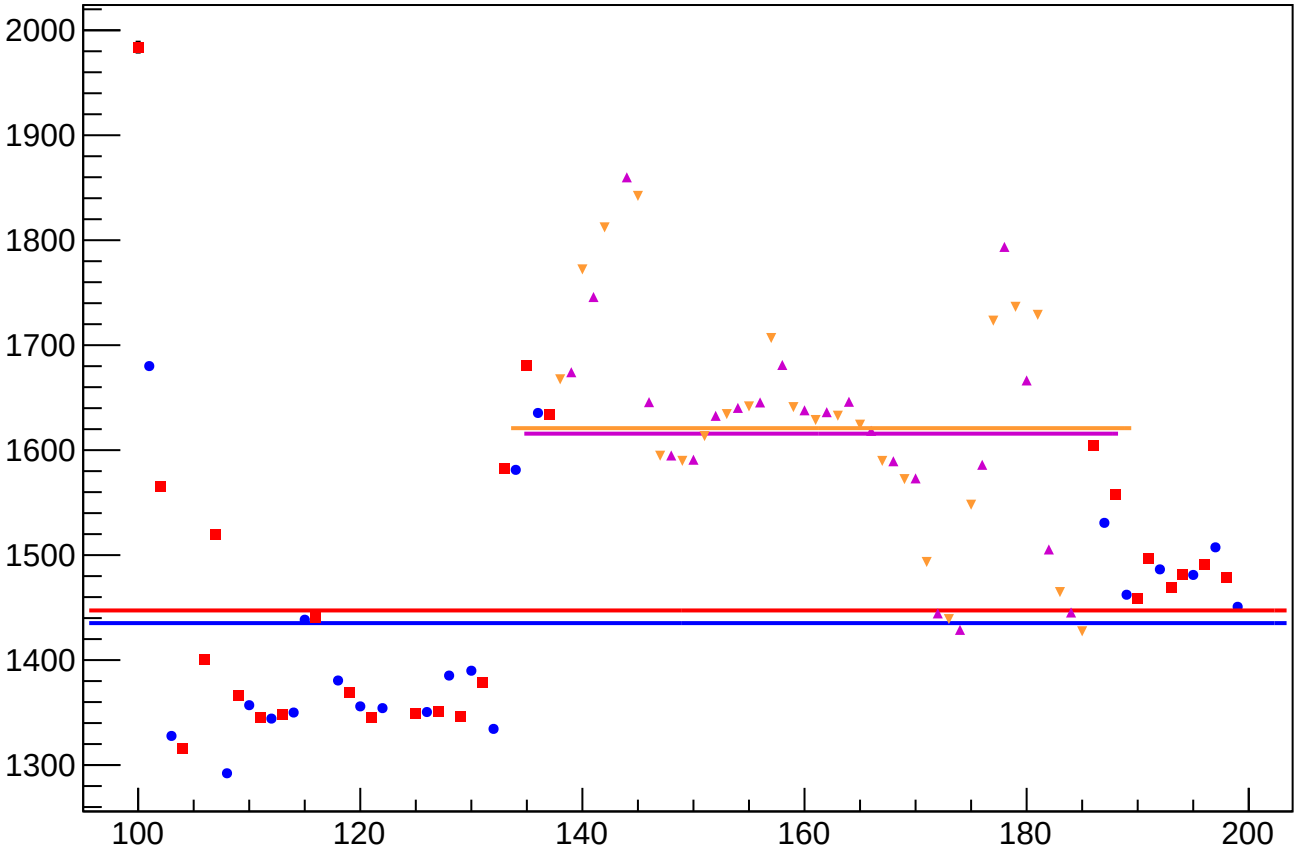
+ sign 4580.028+/-0.619 χ^2/NDF: 4881475.2/45

All: 4532.878+/-0.431 χ^2/NDF: 10337272.5/9

- sign 4488.733+/-0.599 χ^2/NDF: 5444570.9/48


eigen_dit_asym_usl_atl2_avg_mean vs Slug
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 1985.251+/-424.041 χ²/NDF: 7.7/21
Left Out: 868.410+/-377.180 χ²/NDF:39.7/23
Right Out: -2166.241+/-410.386 χ²/NDF: 16.1/25
Left In: -2342.303+/-378.114 χ²/NDF:18.0/22
+ sign 1361.731+/-281.824 χ²/NDF: 51.3/45
All: -474.112+/-197.941 χ²/NDF: 169.3/94
- sign -2261.466+/-278.077 χ²/NDF: 34.3/48

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1435.221+/-0.300 χ^2/NDF: 113408.0/21

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

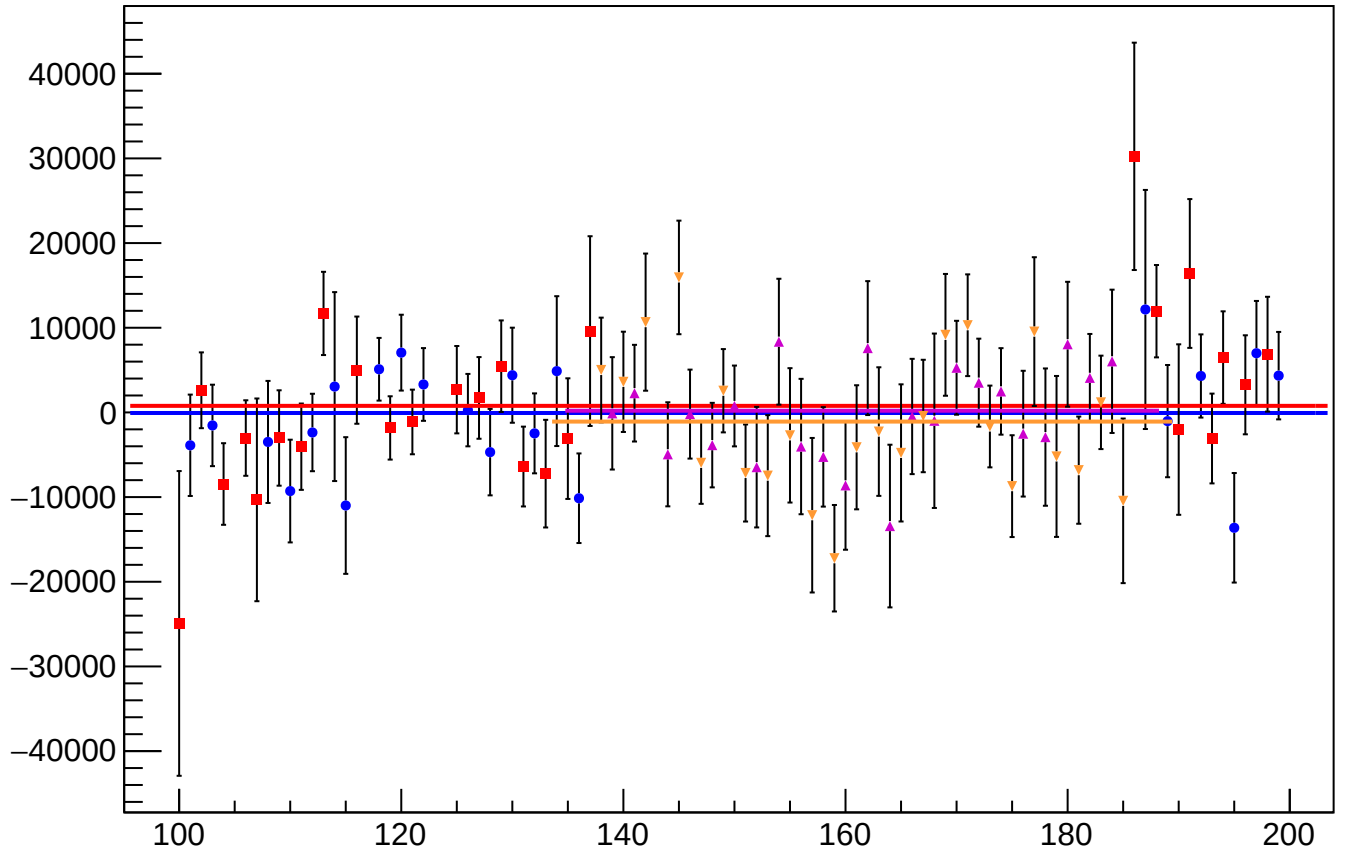
Right Out: 1447.285+/-0.290 χ^2/NDF: 120288.6/25

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1538.909+/-0.199 χ^2/NDF: 469595.2/45

All: 1538.571+/-0.140 χ^2/NDF: 909539.5/94

- sign 1538.242+/-0.196 χ^2/NDF: 439938.6/48



Right In: -66.353+/-1161.890 χ^2/NDF: 23.9/21

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

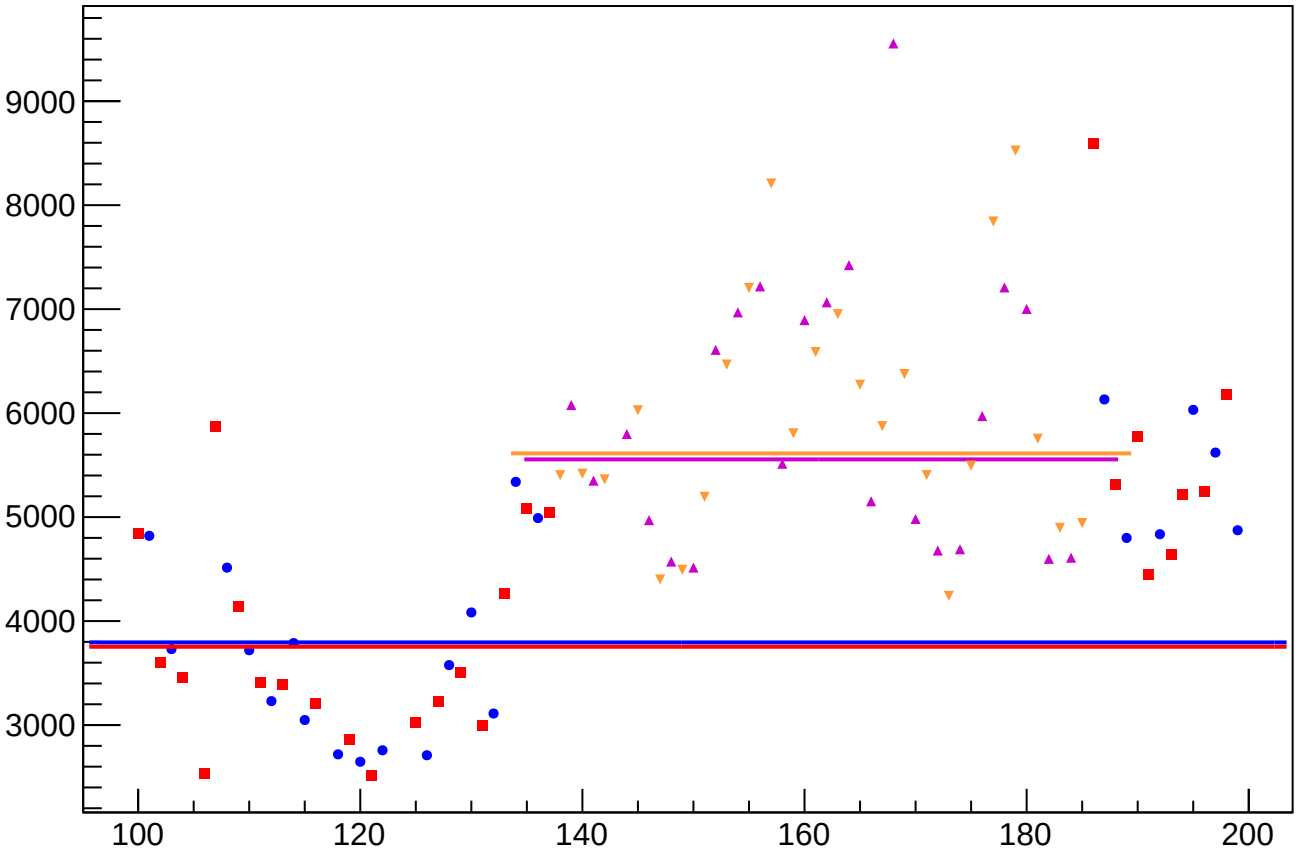
Right Out: 775.426+/-1101.505 χ^2/NDF: 35.5/25

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

\+ sign -505.171+/-875.701 χ^2/NDF: 57.2/45

All: 35.228+/-608.940 χ^2/NDF: 106.5/94

\- sign 541.193+/-847.343 χ^2/NDF: 48.5/48



Right In: 3794.718+/-0.822 χ^2/NDF: 1578293.4/21

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3753.178+/-0.779 χ^2/NDF: 1927094.2/25

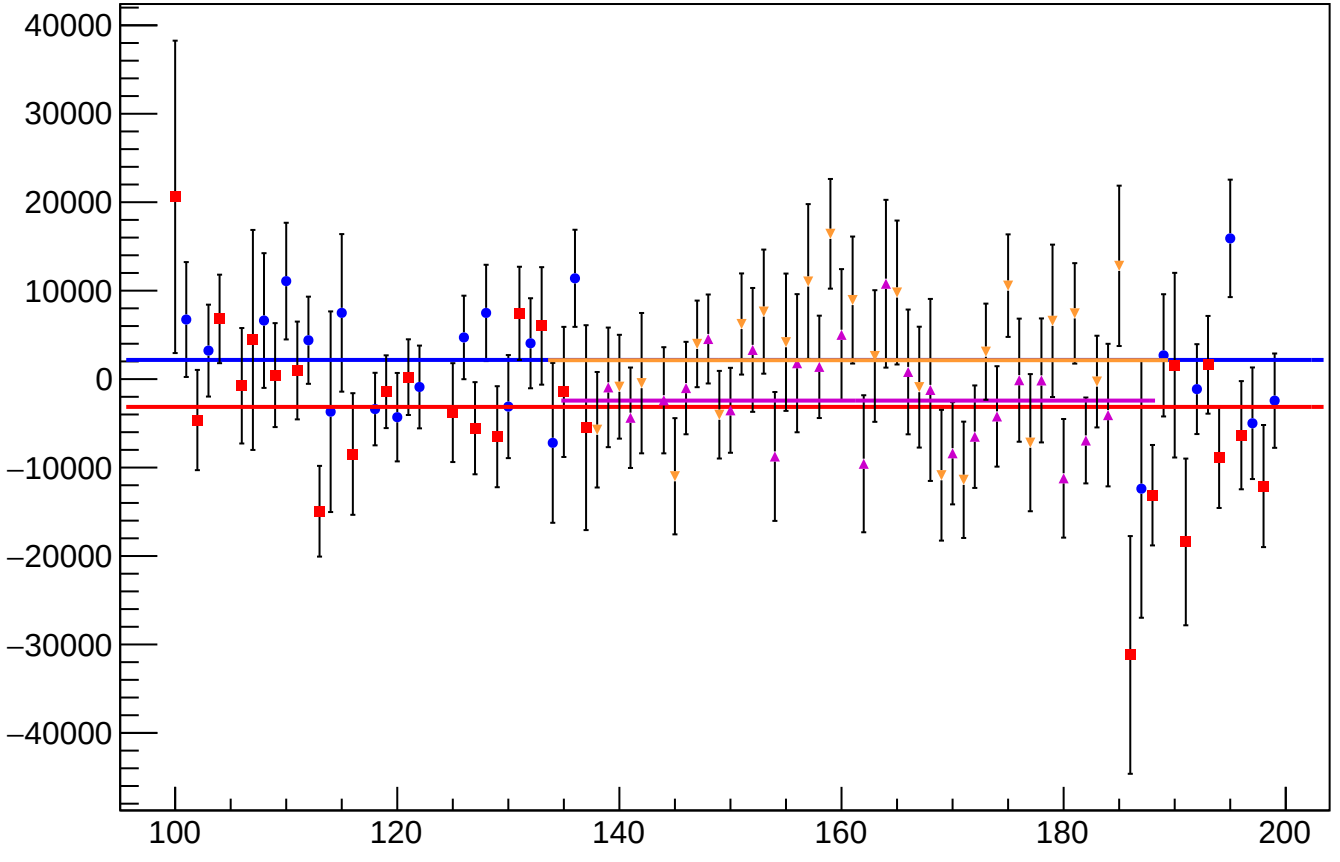
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4580.023+/-0.619 χ^2/NDF: 4881544.8/45

All: 4532.873+/-0.431 χ^2/NDF: 10337406.0/9

- sign 4488.728+/-0.599 χ^2/NDF: 5444634.8/48

asym_usl_atl2_avg_mean vs Slug



Right In: 2168.540+/-1243.060 χ^2/NDF: 21.3/21

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -3143.089+/-1202.969 χ^2/NDF: 34.5/25

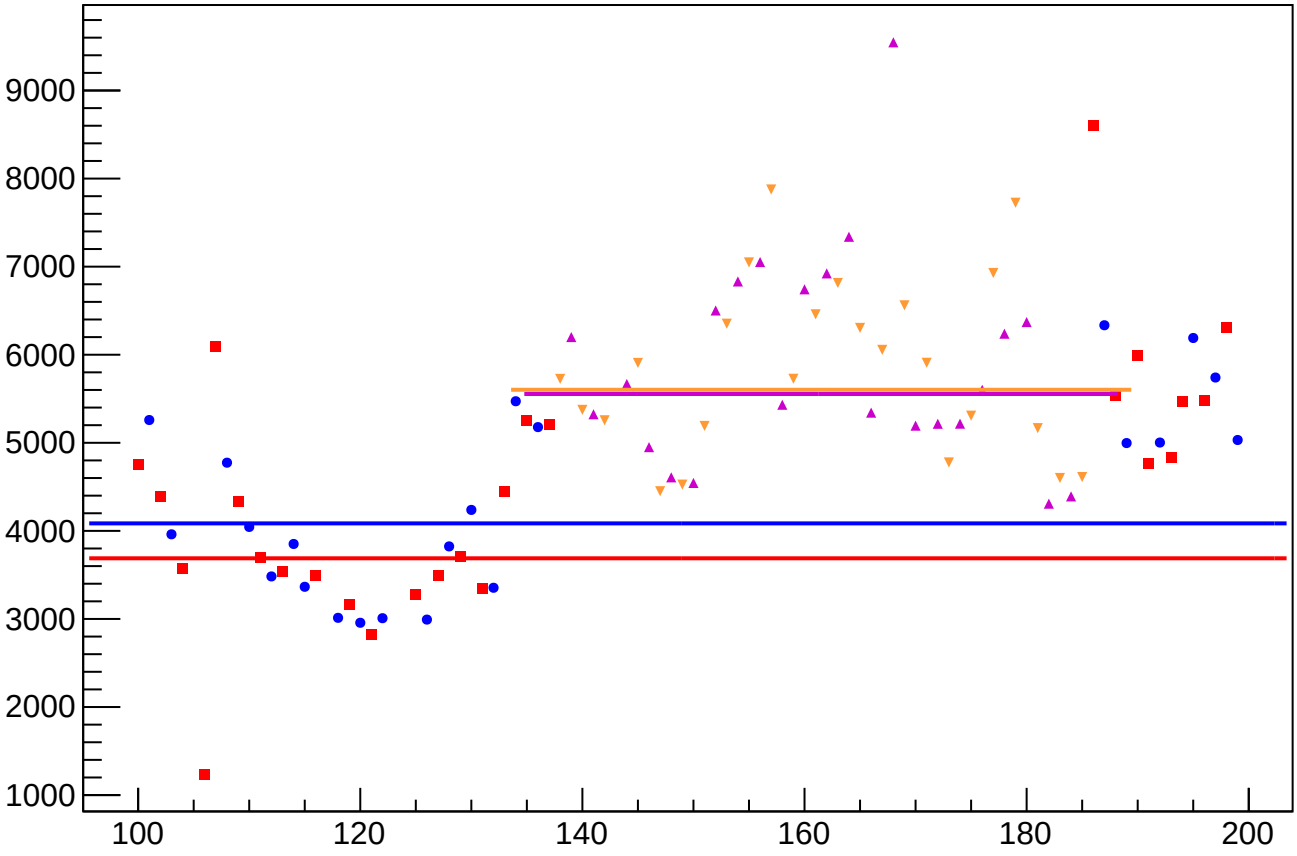
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2154.302+/-906.364 χ^2/NDF: 52.0/45

All: -379.142+/-634.835 χ^2/NDF: 114.9/94

- sign -2818.960+/-889.459 χ^2/NDF: 47.5/48

asym_usl_atl2_avg_rms vs Slug



Right In: 4085.090+/-0.879 χ^2/NDF: 1301483.4/21

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

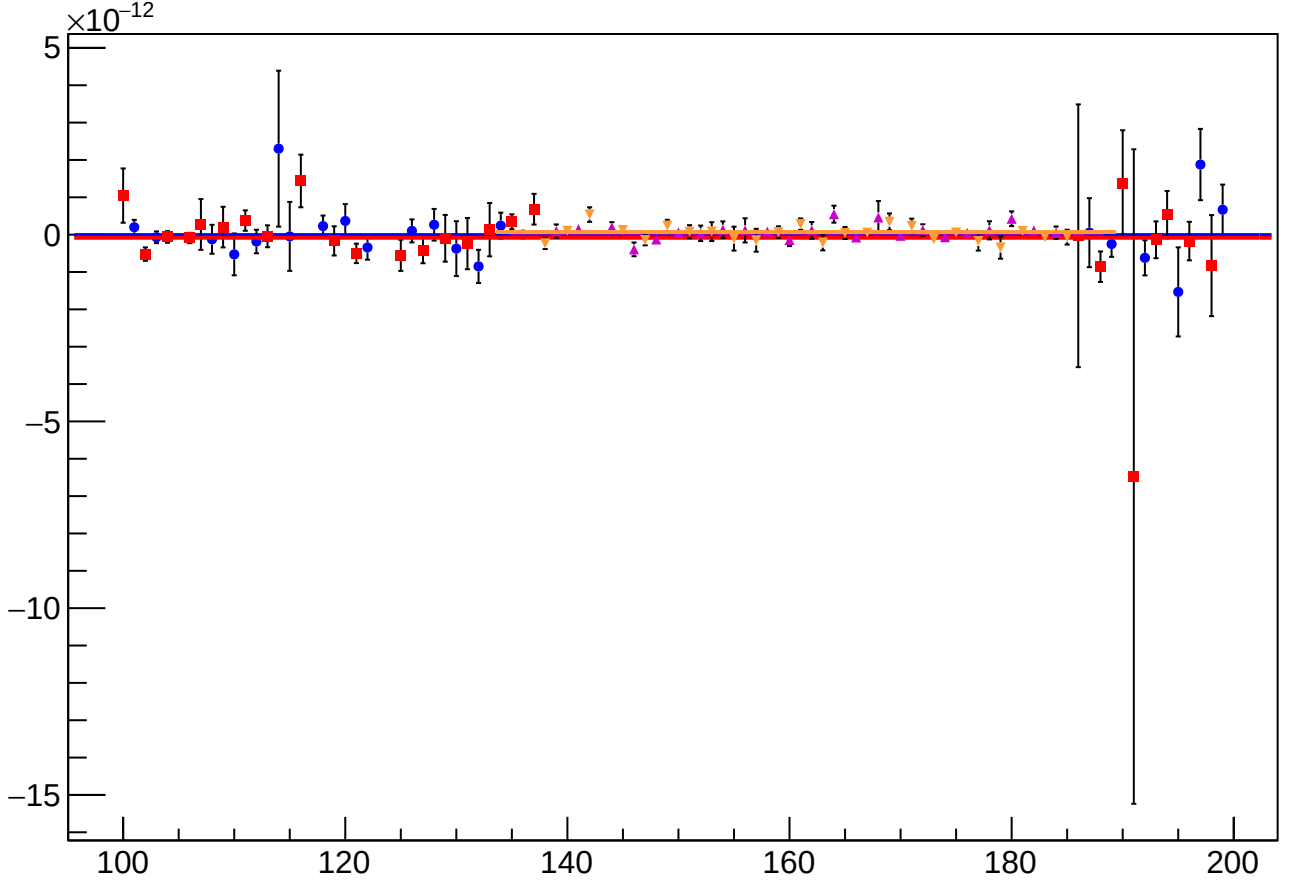
Right Out: 3688.614+/-0.795 χ^2/NDF: 3265660.0/25

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4795.666+/-0.641 χ^2/NDF: 3637319.1/45

All: 4624.598+/-0.440 χ^2/NDF: 10463149.6/9

- sign 4471.980+/-0.605 χ^2/NDF: 6691021.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

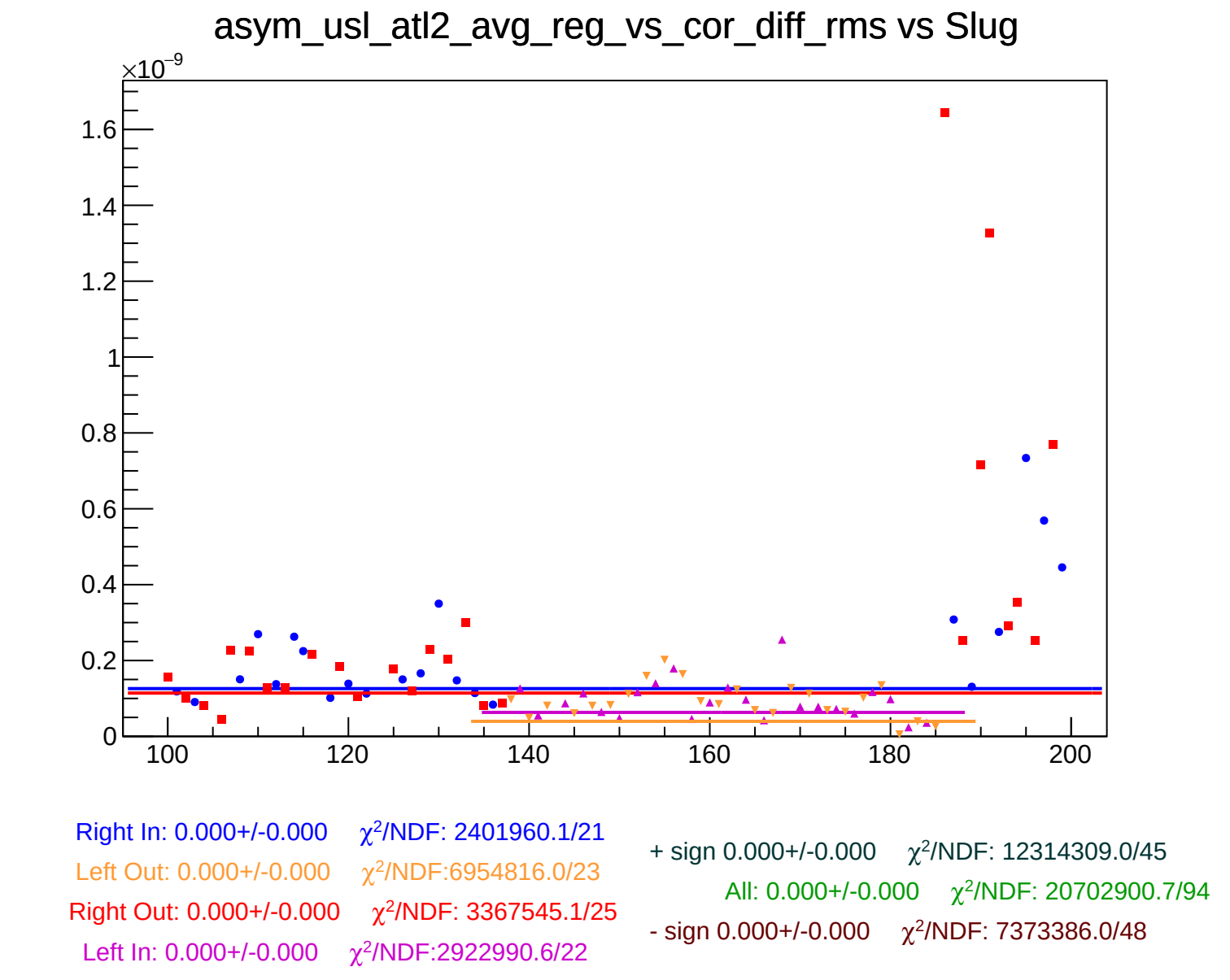
Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/25

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

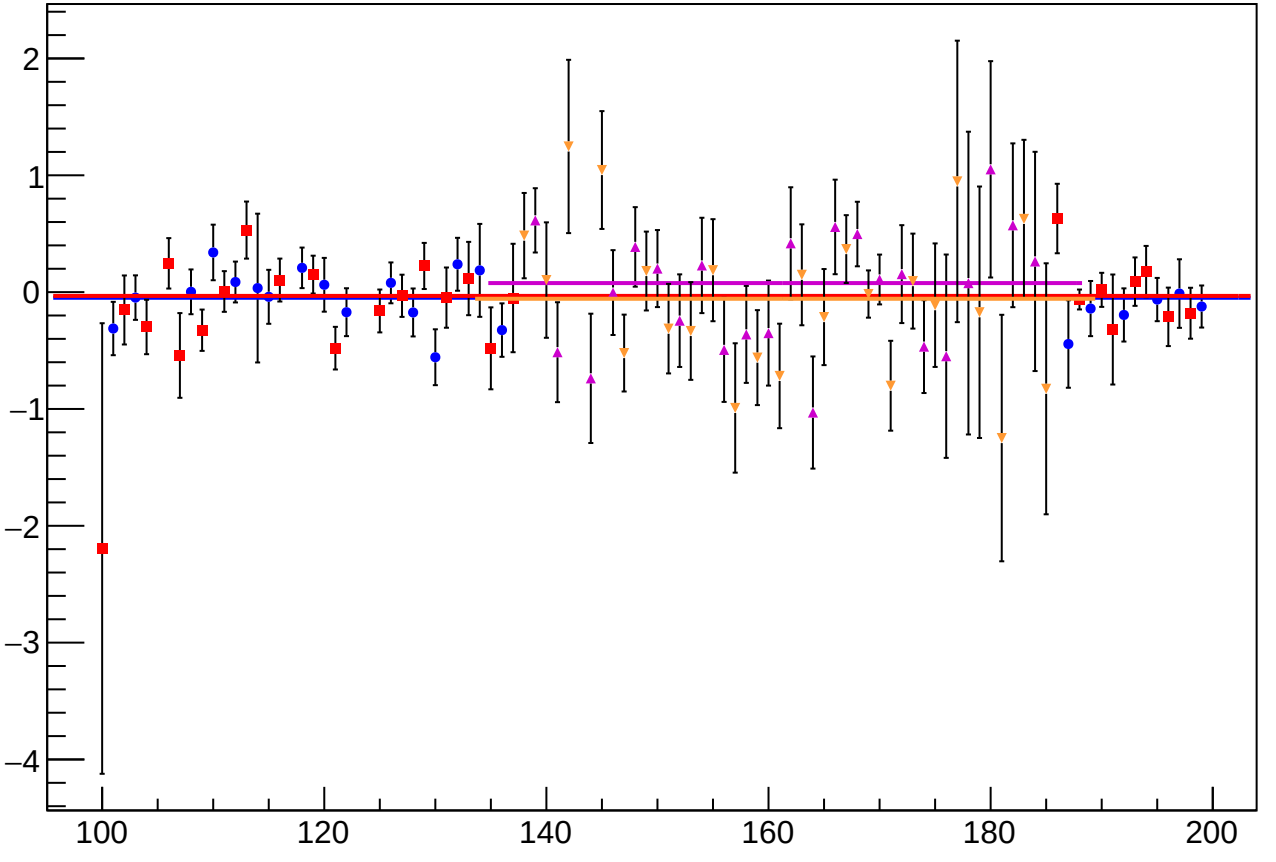
+ sign 0.000+/-0.000 χ^2/NDF: 49.5/45

All: 0.000+/-0.000 χ^2/NDF: 115.6/94

- sign 0.000+/-0.000 χ^2/NDF: 65.3/48


asym_usl_atl2_avg_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: 2401960.1/21
Left Out: 0.000+/-0.000 χ²/NDF:6954816.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 3367545.1/25
Left In: 0.000+/-0.000 χ²/NDF:2922990.6/22
+ sign 0.000+/-0.000 χ²/NDF: 12314309.0/45
All: 0.000+/-0.000 χ²/NDF: 20702900.7/94
- sign 0.000+/-0.000 χ²/NDF: 7373386.0/48

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.032+/-0.039 χ^2/NDF: 34.2/25

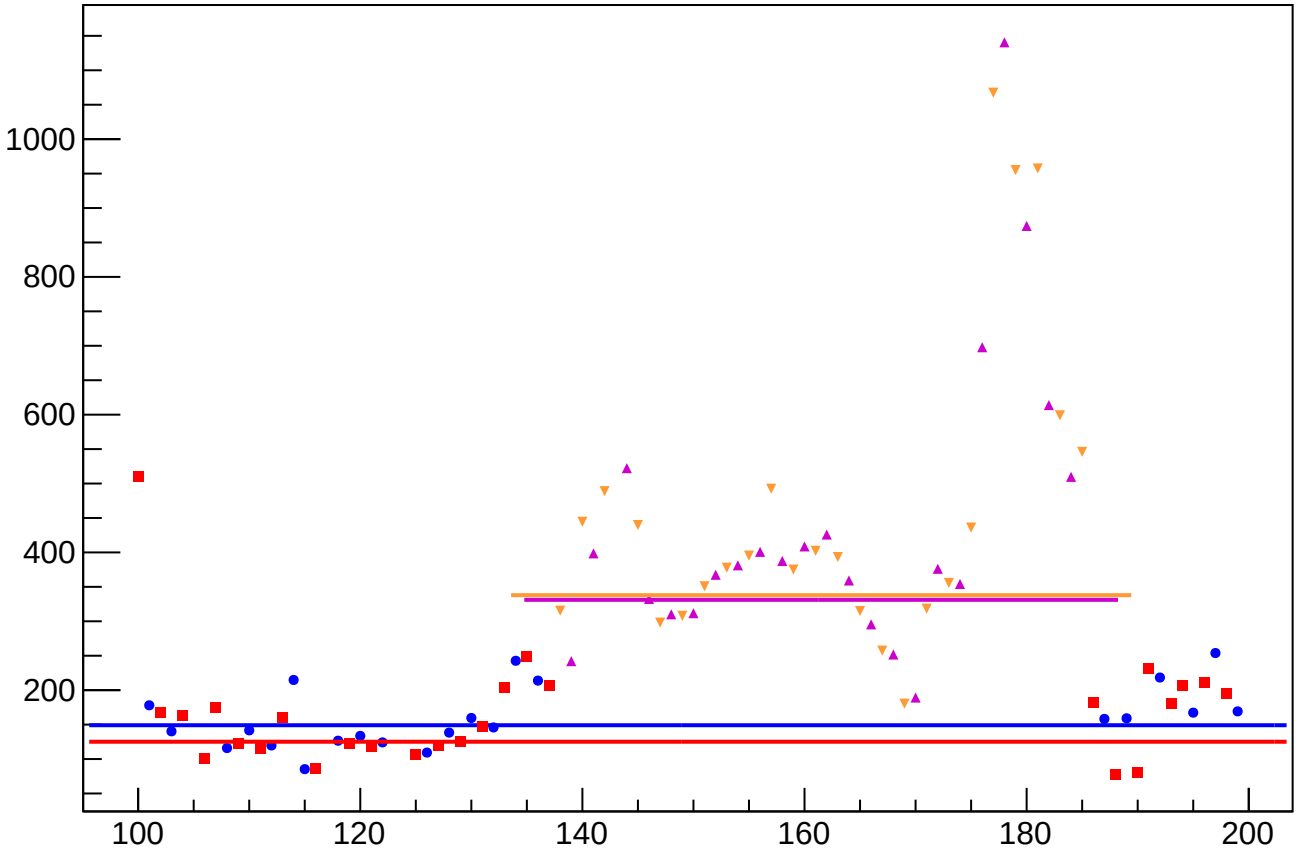
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.050+/-0.041 χ^2/NDF: 48.6/45

All: -0.029+/-0.027 χ^2/NDF: 111.7/94

- sign -0.012+/-0.036 χ^2/NDF: 62.6/48

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 149.103+/-0.033 χ^2/NDF: 1274098.8/21

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

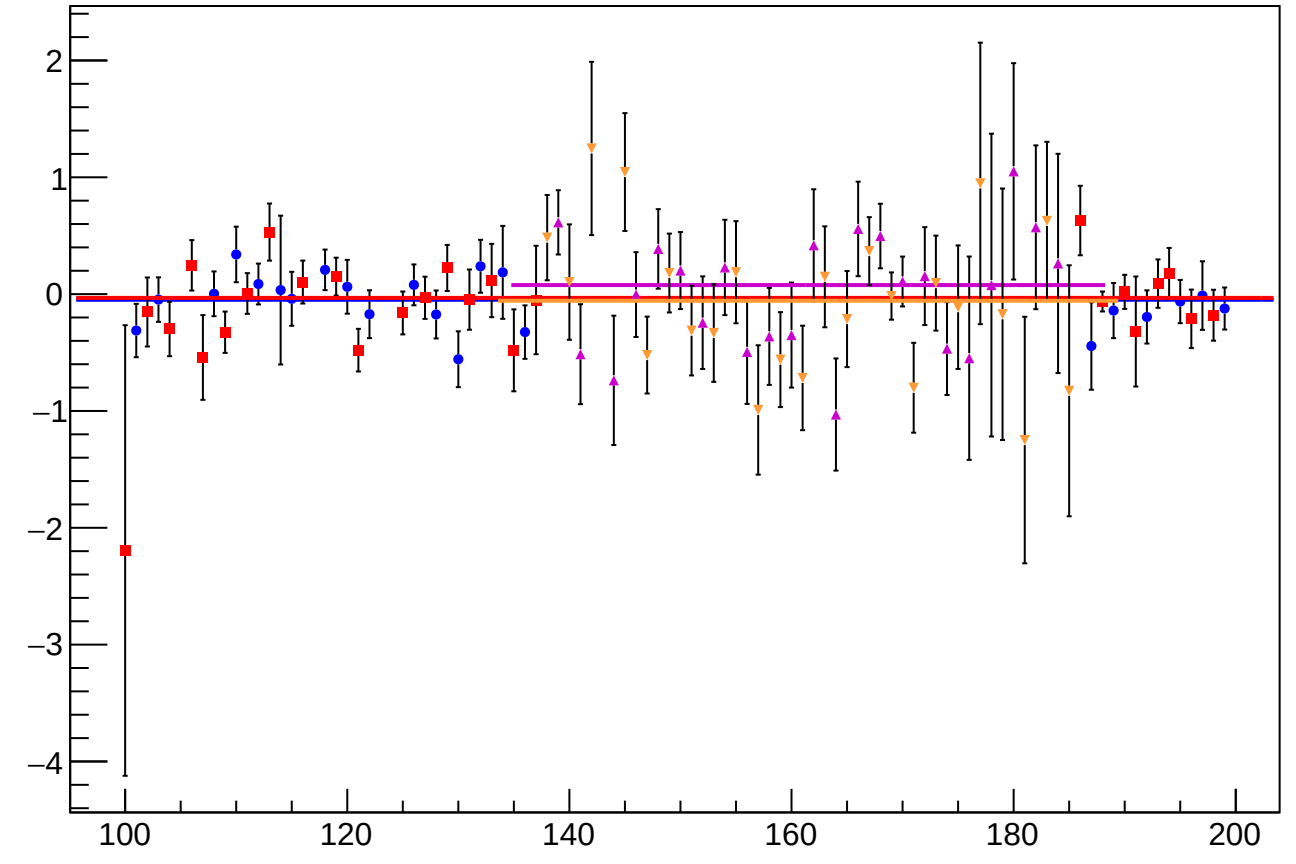
Right Out: 125.130+/-0.028 χ^2/NDF: 2714918.3/25

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.684+/-0.029 χ^2/NDF: 13302387.5/45

All: 175.570+/-0.019 χ^2/NDF: 30710184.3/94

- sign 162.691+/-0.025 χ^2/NDF: 16798742.9/48



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

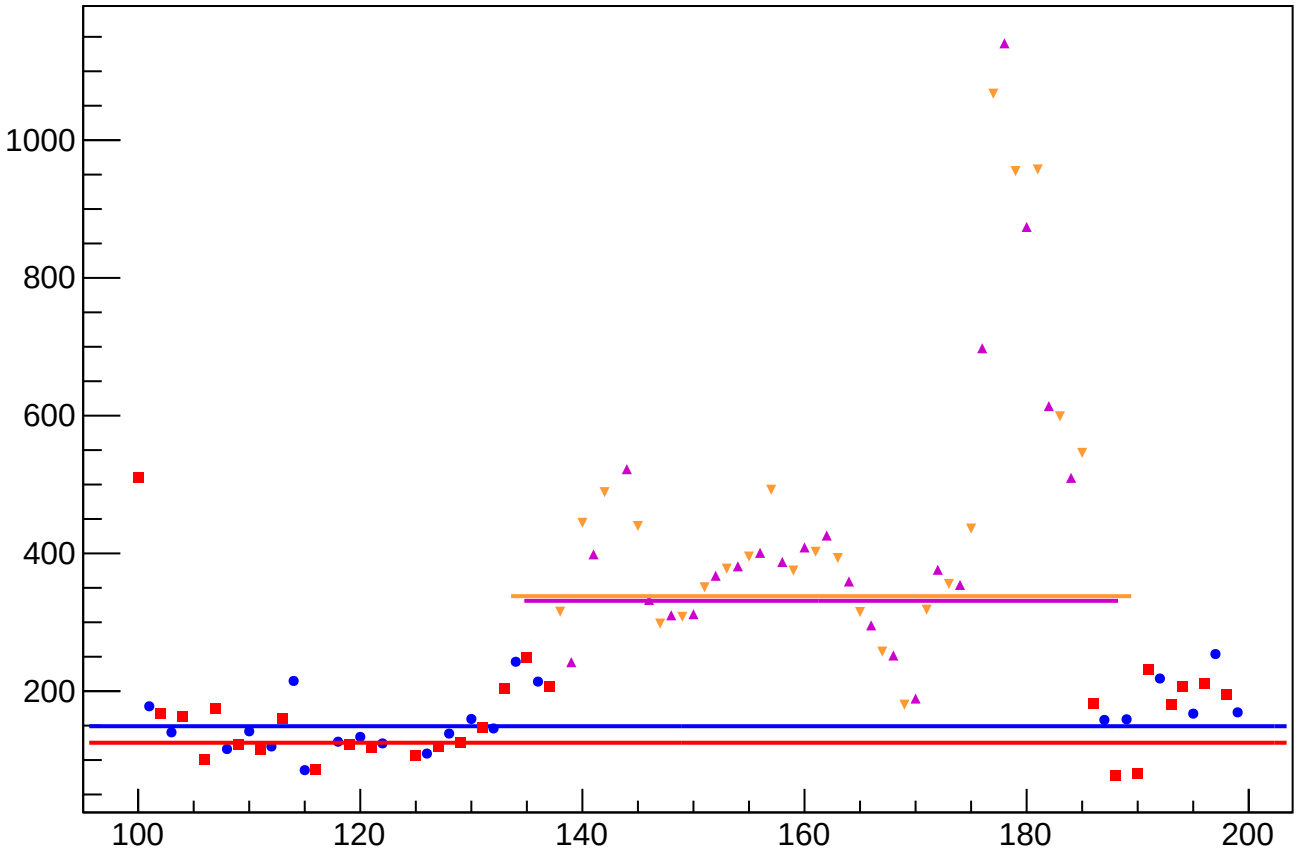
Right Out: -0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.050+/-0.041 χ^2/NDF: 48.6/45

All: -0.029+/-0.027 χ^2/NDF: 111.7/94

- sign -0.012+/-0.036 χ^2/NDF: 62.6/48



Right In: 149.103+/-0.033 χ^2/NDF: 1274098.8/21

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

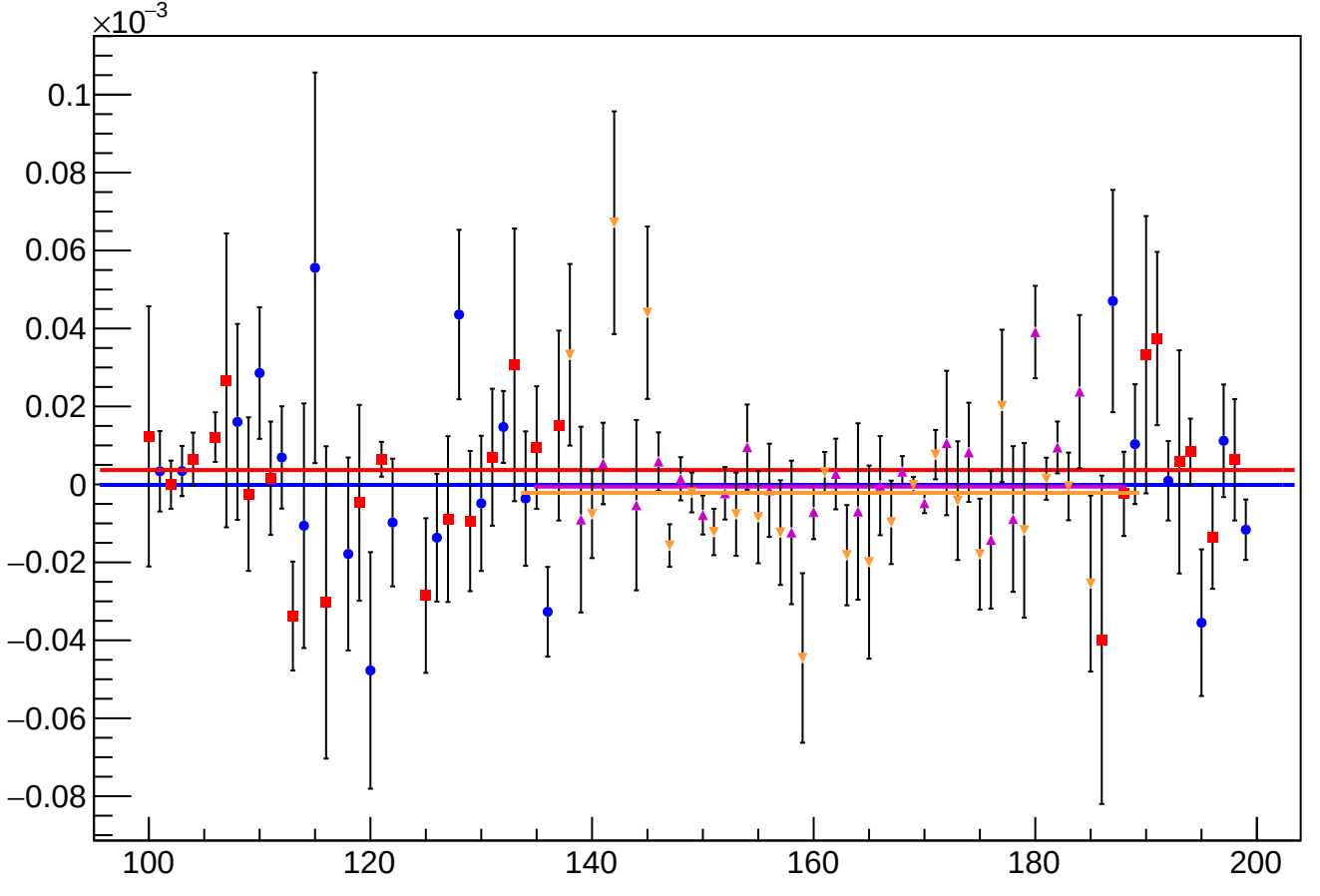
Right Out: 125.130+/-0.028 χ^2/NDF: 2714918.3/25

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.684+/-0.029 χ^2/NDF: 13302387.5/45

All: 175.570+/-0.019 χ^2/NDF: 30710184.3/94

- sign 162.691+/-0.025 χ^2/NDF: 16798742.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

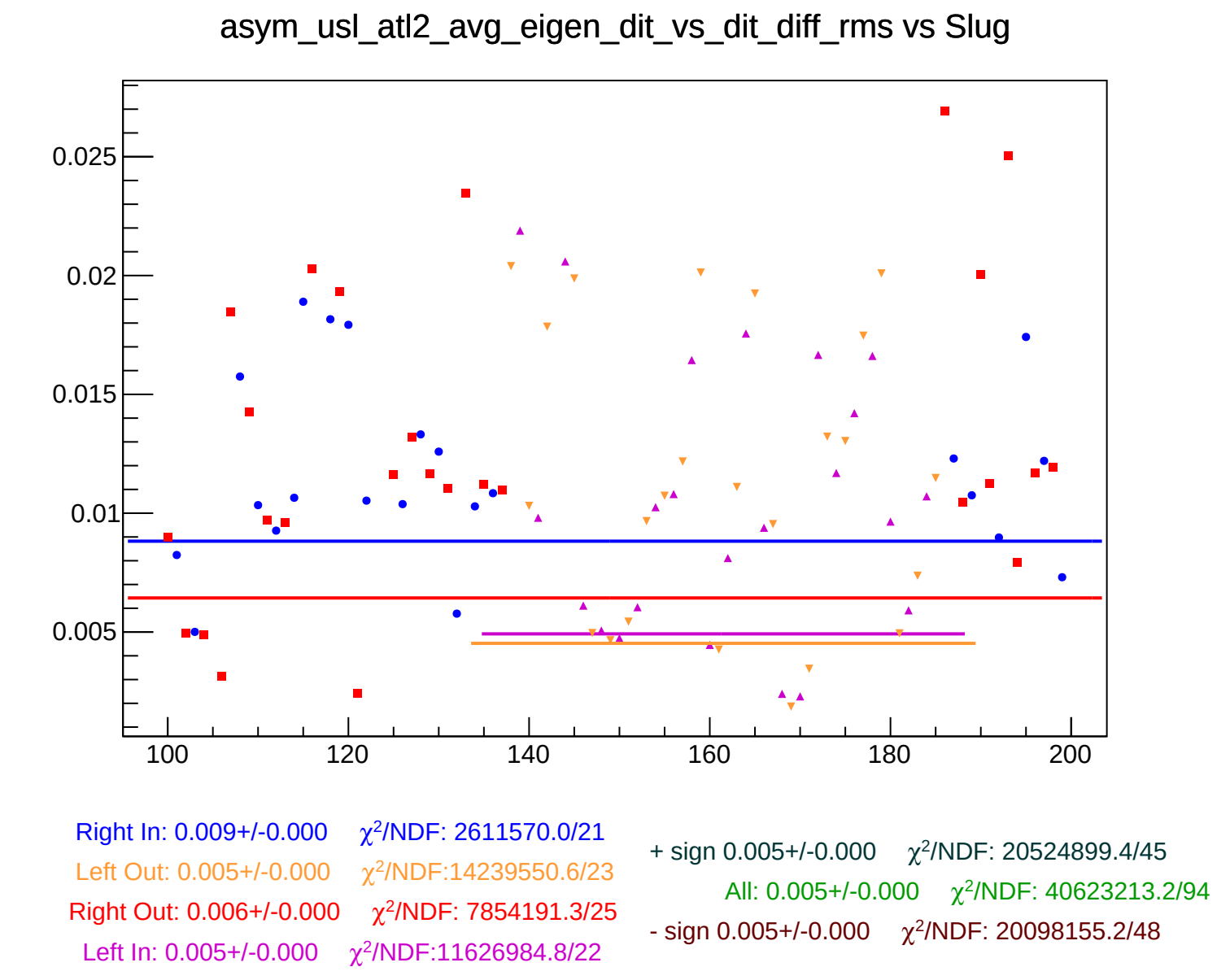
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/25

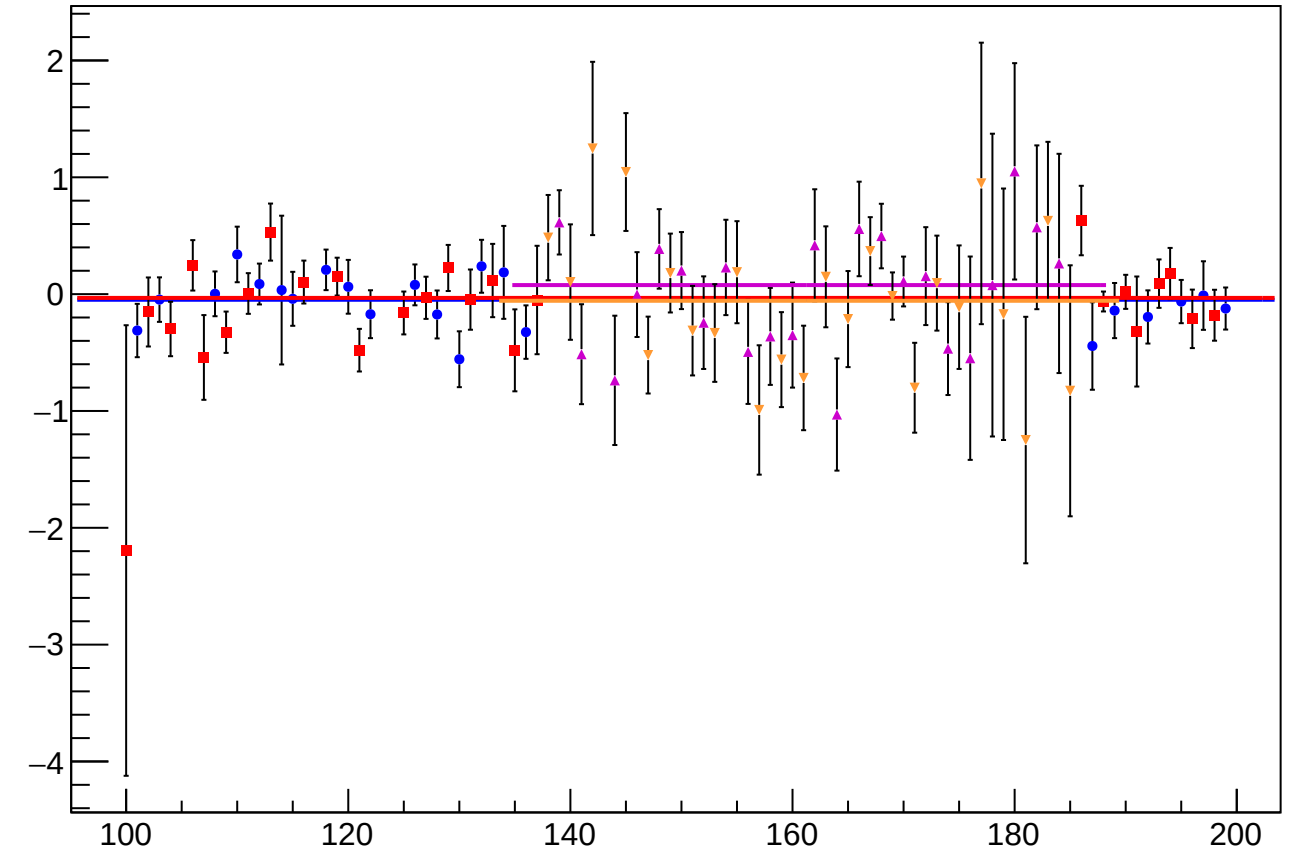
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.0/45

All: -0.000+/-0.000 χ^2/NDF: 124.8/94

- 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: 2611570.0/21
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: 20524899.4/45
All: 0.005+/-0.000 χ²/NDF: 40623213.2/94
- sign 0.005+/-0.000 χ²/NDF: 20098155.2/48



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

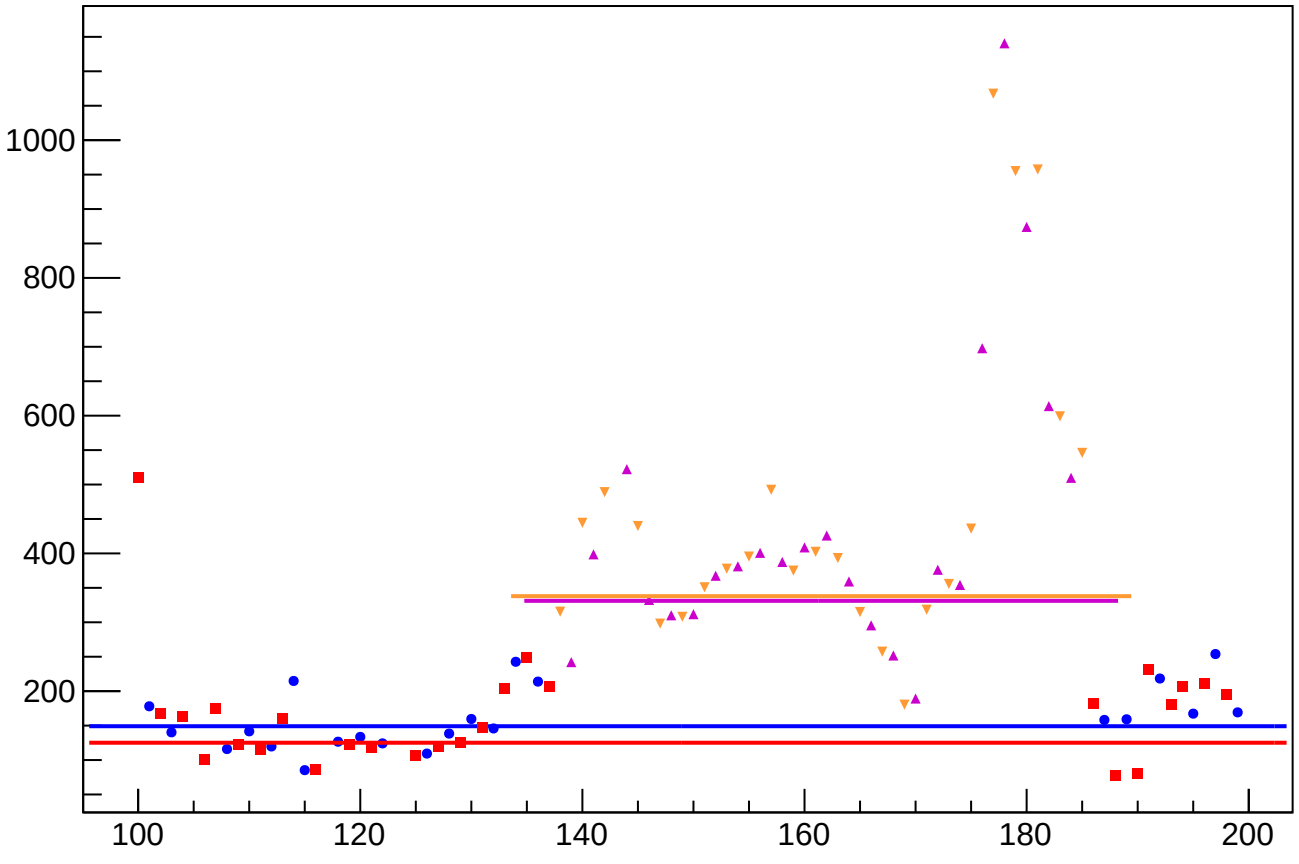
Right Out: -0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.050+/-0.041 χ^2/NDF: 48.6/45

All: -0.029+/-0.027 χ^2/NDF: 111.7/94

- sign -0.012+/-0.036 χ^2/NDF: 62.6/48



Right In: 149.103+/-0.033 χ^2/NDF: 1274067.2/21

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

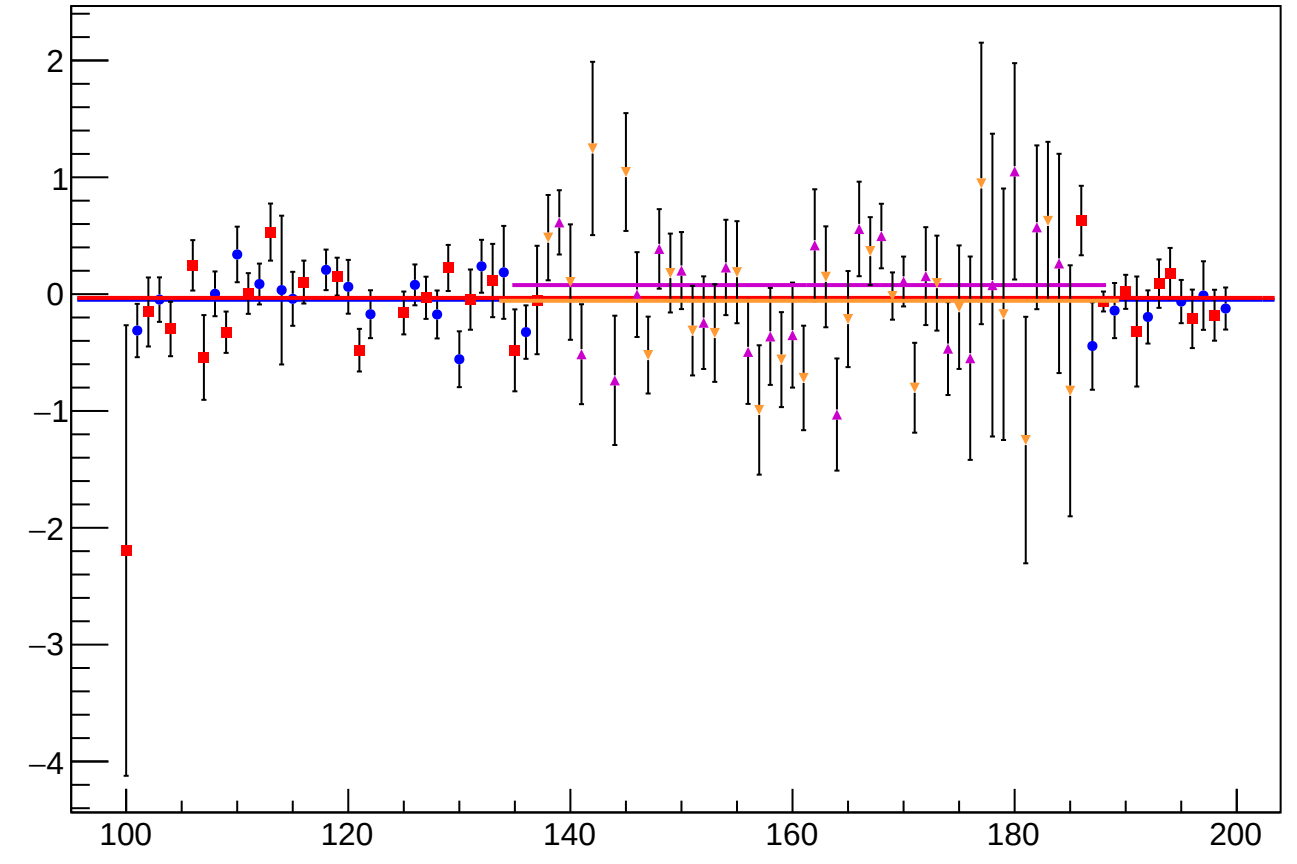
Right Out: 125.129+/-0.028 χ^2/NDF: 2715030.2/25

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.684+/-0.029 χ^2/NDF: 13302495.7/45

All: 175.569+/-0.019 χ^2/NDF: 30710850.2/94

- sign 162.689+/-0.025 χ^2/NDF: 16799207.3/48



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

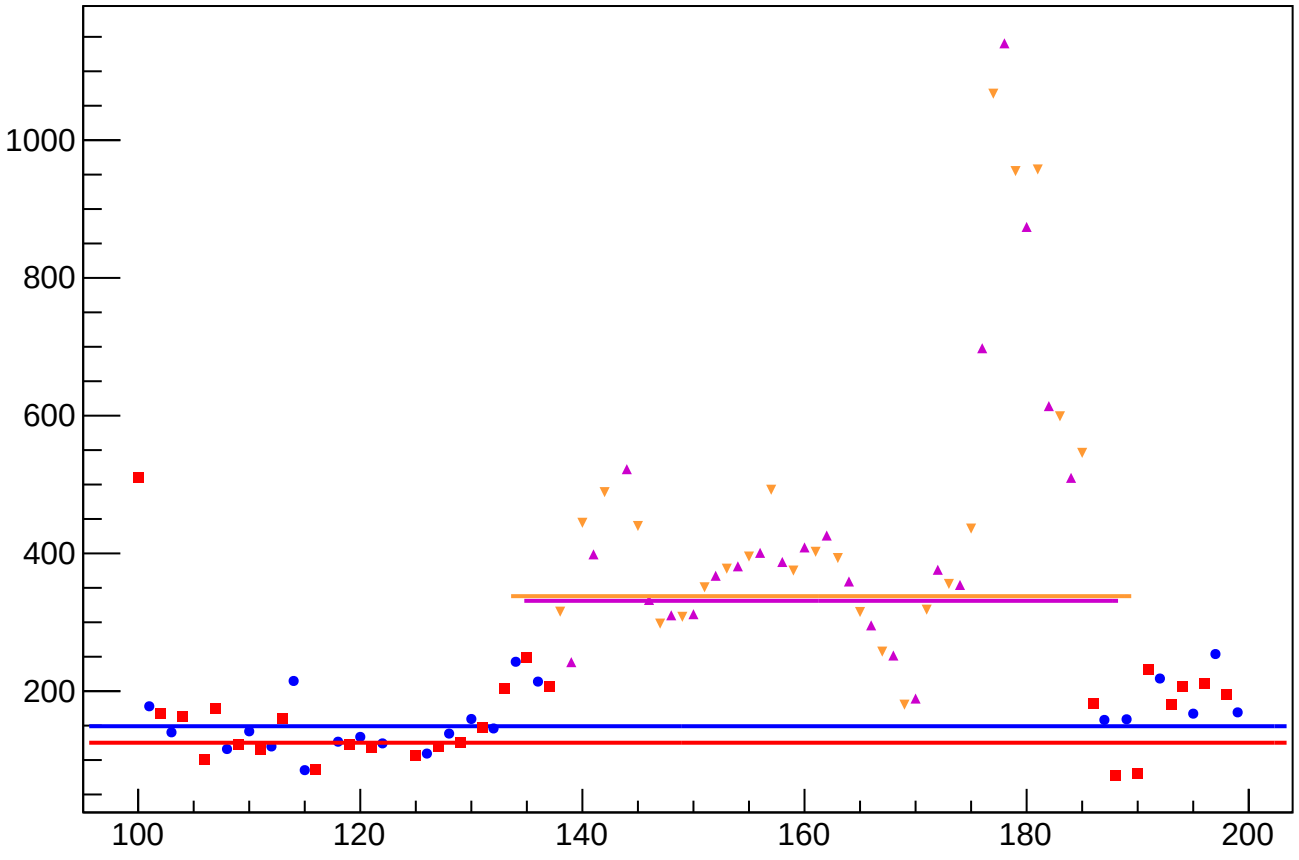
Right Out: -0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.050+/-0.041 χ^2/NDF: 48.6/45

All: -0.029+/-0.027 χ^2/NDF: 111.7/94

- sign -0.012+/-0.036 χ^2/NDF: 62.6/48



Right In: 149.103+/-0.033 χ^2/NDF: 1274067.2/21

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

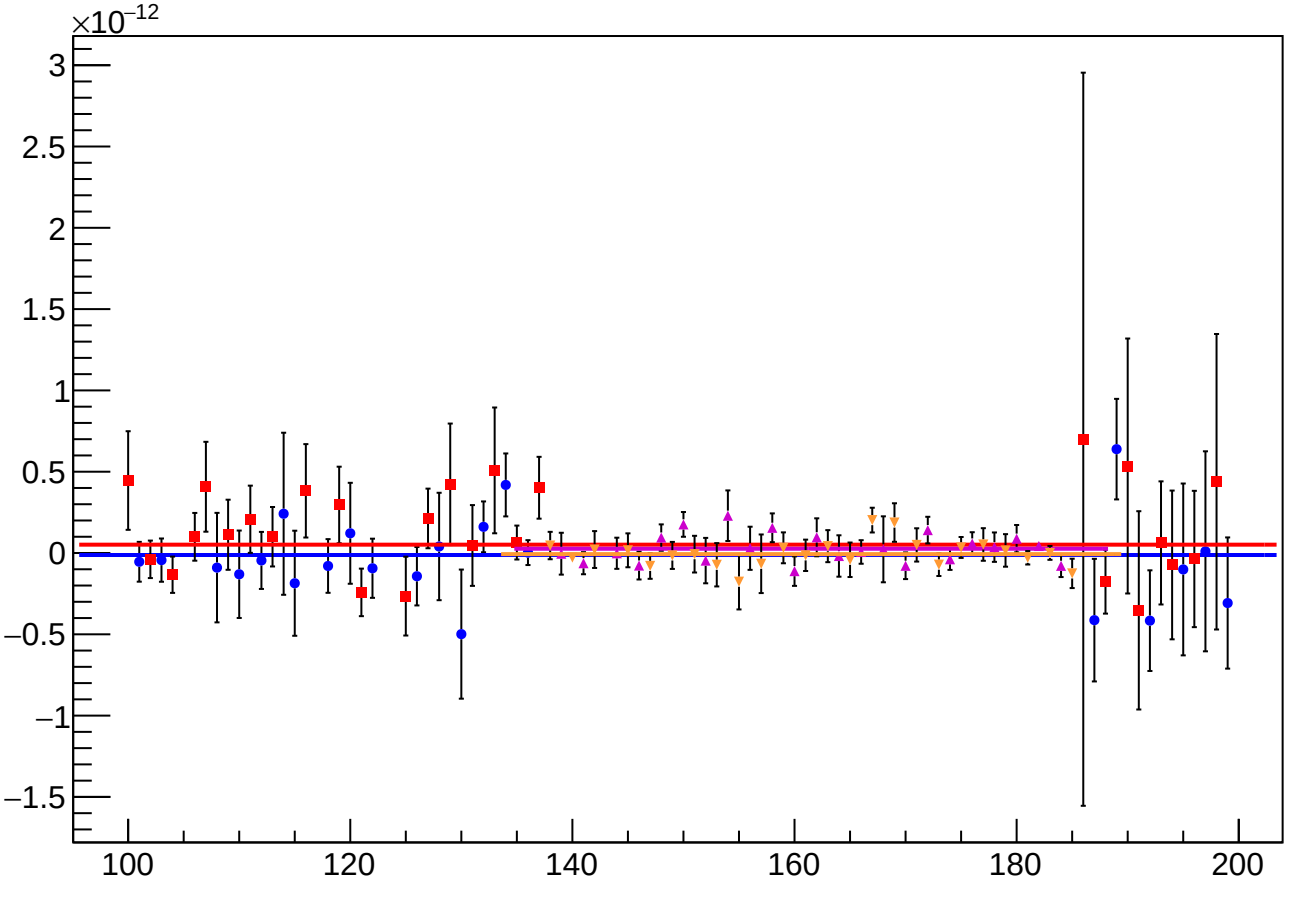
Right Out: 125.129+/-0.028 χ^2/NDF: 2715030.2/25

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.684+/-0.029 χ^2/NDF: 13302495.7/45

All: 175.569+/-0.019 χ^2/NDF: 30710850.2/94

- sign 162.689+/-0.025 χ^2/NDF: 16799207.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

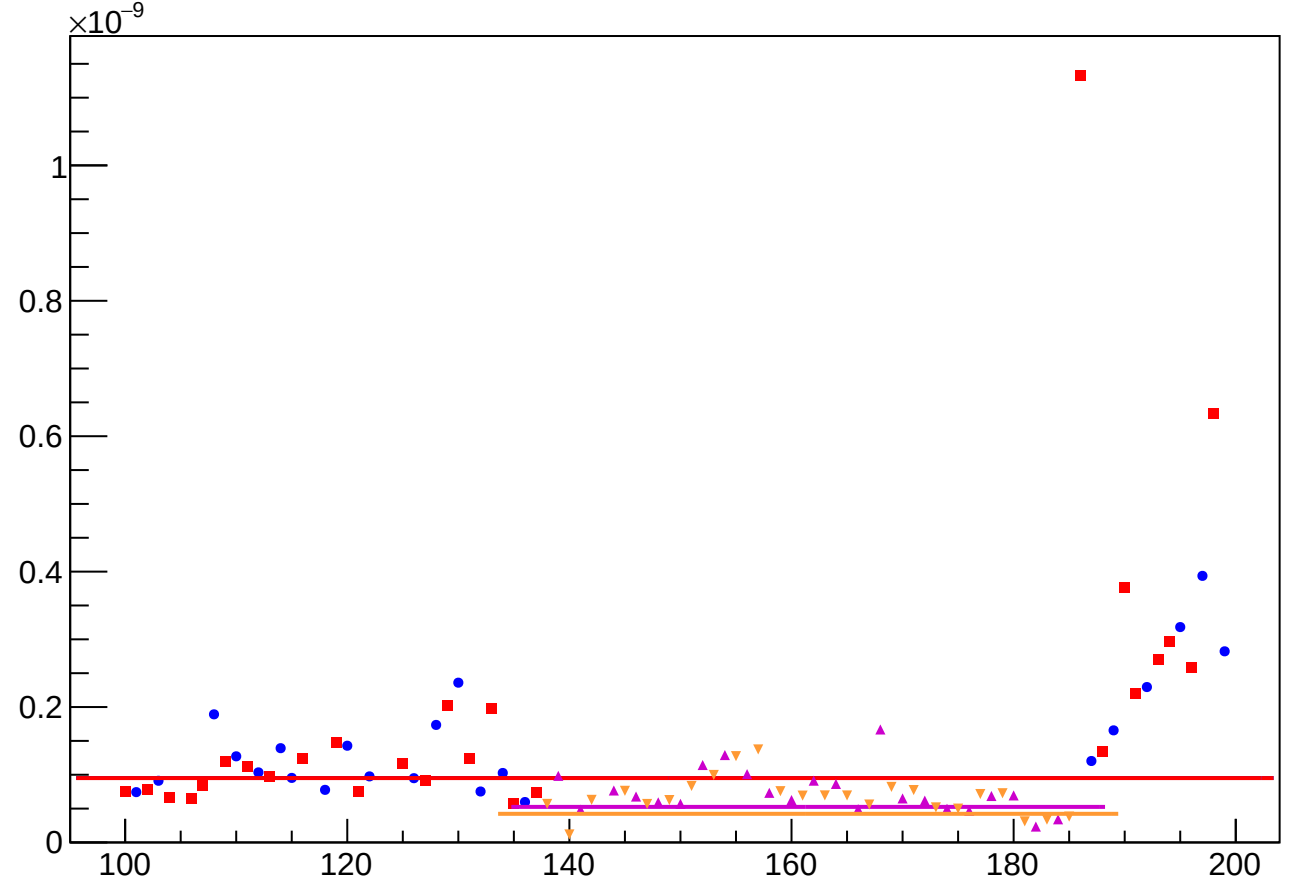
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/25

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.8/45

All: 0.000+/-0.000 χ^2/NDF: 87.1/94

- sign 0.000+/-0.000 χ^2/NDF: 47.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 2910723.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3764716.2/25

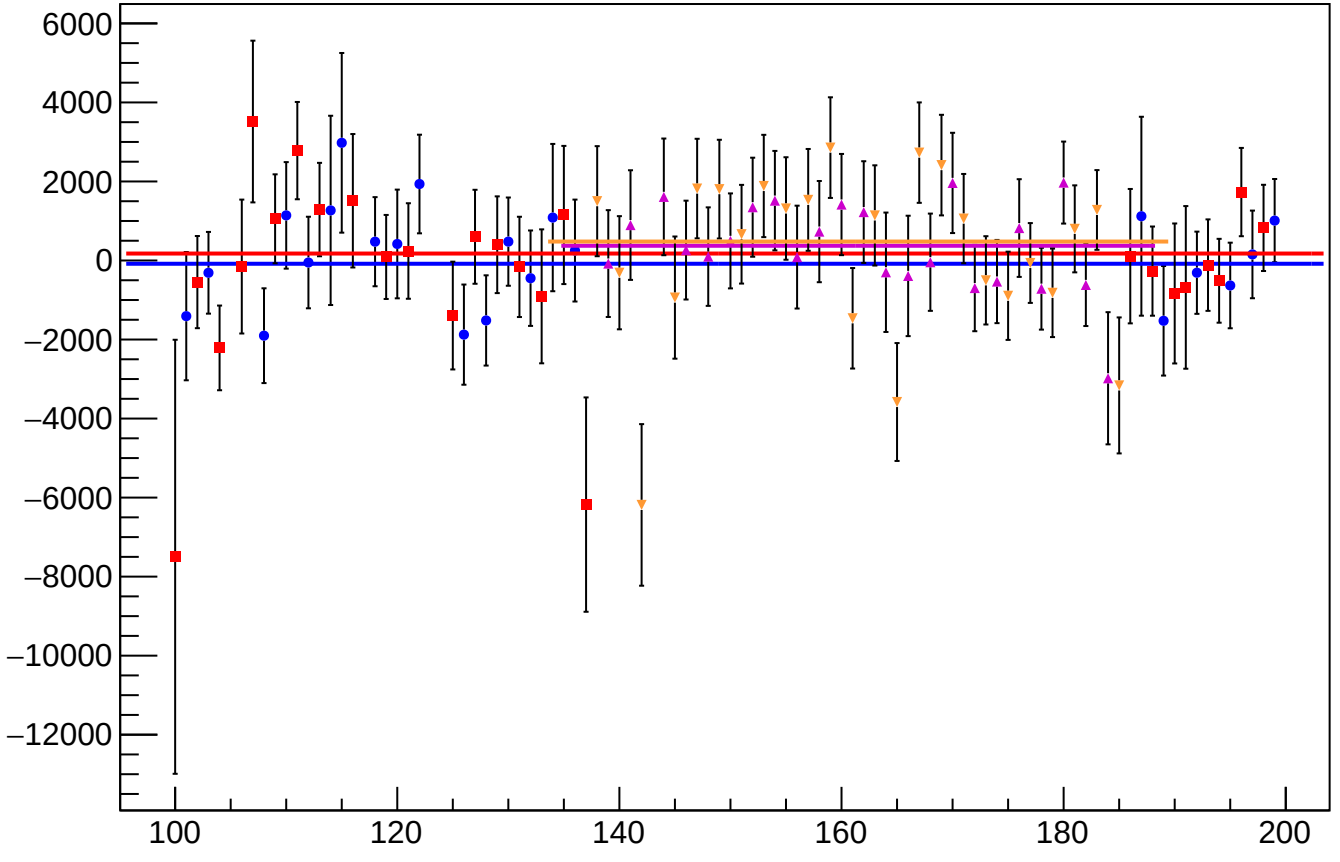
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12556785.6/45

All: 0.000+/-0.000 χ^2/NDF: 23692952.5/94

- sign 0.000+/-0.000 χ^2/NDF: 10603065.2/48

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -82.549+/-271.499 χ^2/NDF: 16.1/21

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 175.993+/-261.559 χ^2/NDF: 27.8/25

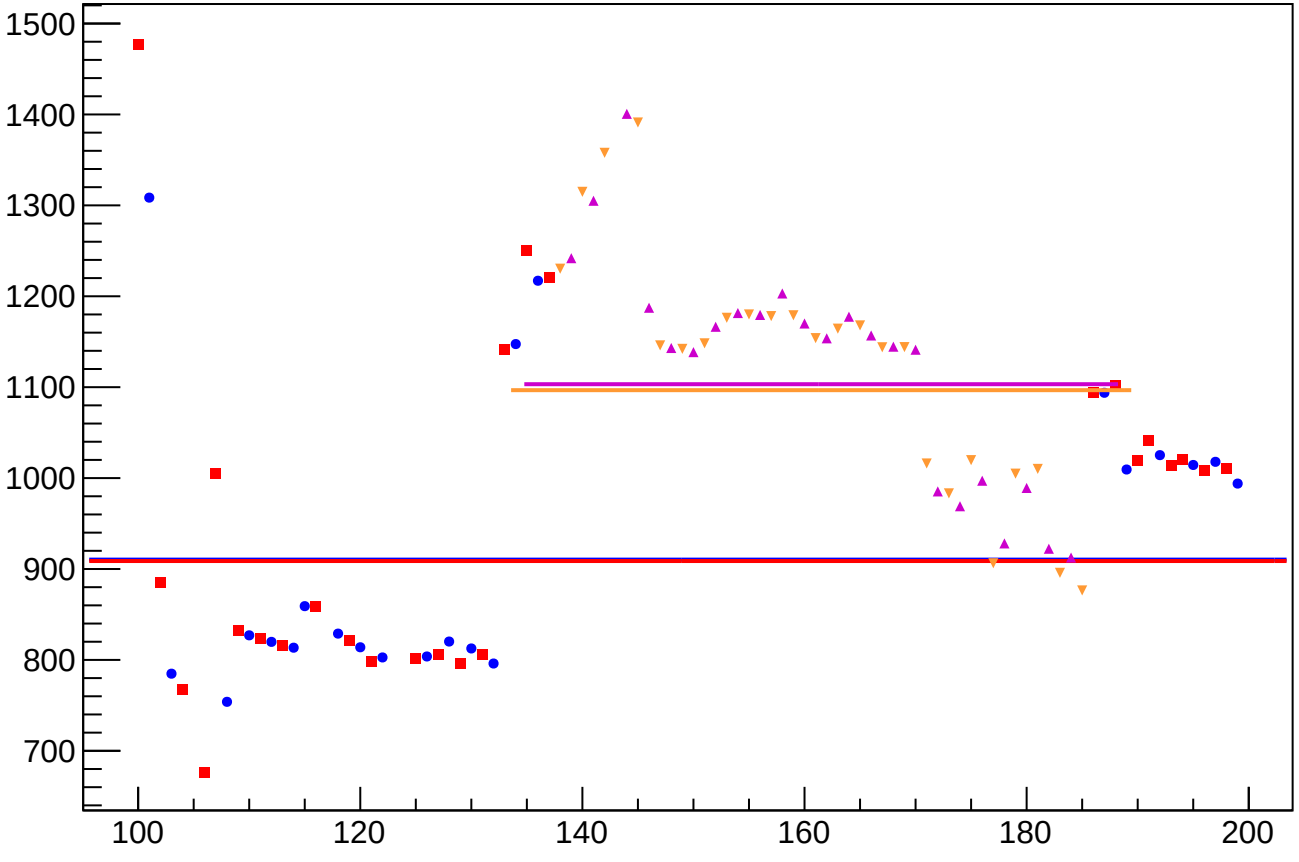
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 214.645+/-186.385 χ^2/NDF: 63.5/45

All: 245.342+/-130.997 χ^2/NDF: 107.7/94

- sign 275.308+/-184.151 χ^2/NDF: 44.1/48

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 910.322+/-0.192 χ^2/NDF: 543611.5/21

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 908.777+/-0.183 χ^2/NDF: 557284.8/25

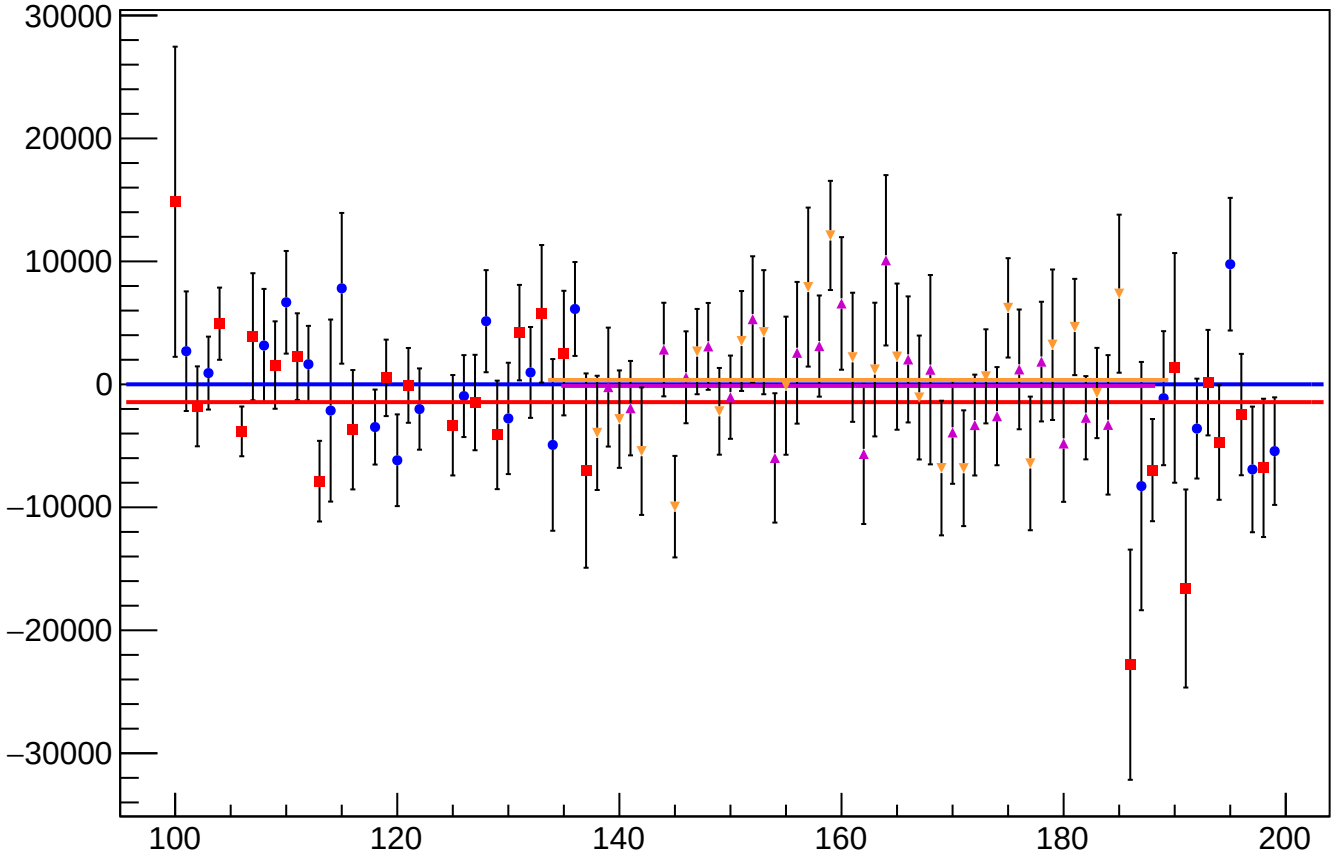
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1008.869+/-0.132 χ^2/NDF: 1522487.3/45

All: 1007.444+/-0.092 χ^2/NDF: 3089933.8/94

- sign 1006.065+/-0.130 χ^2/NDF: 1567216.5/48

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 3.938+/-888.211 χ^2/NDF: 23.1/21

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1444.990+/-789.119 χ^2/NDF: 33.0/25

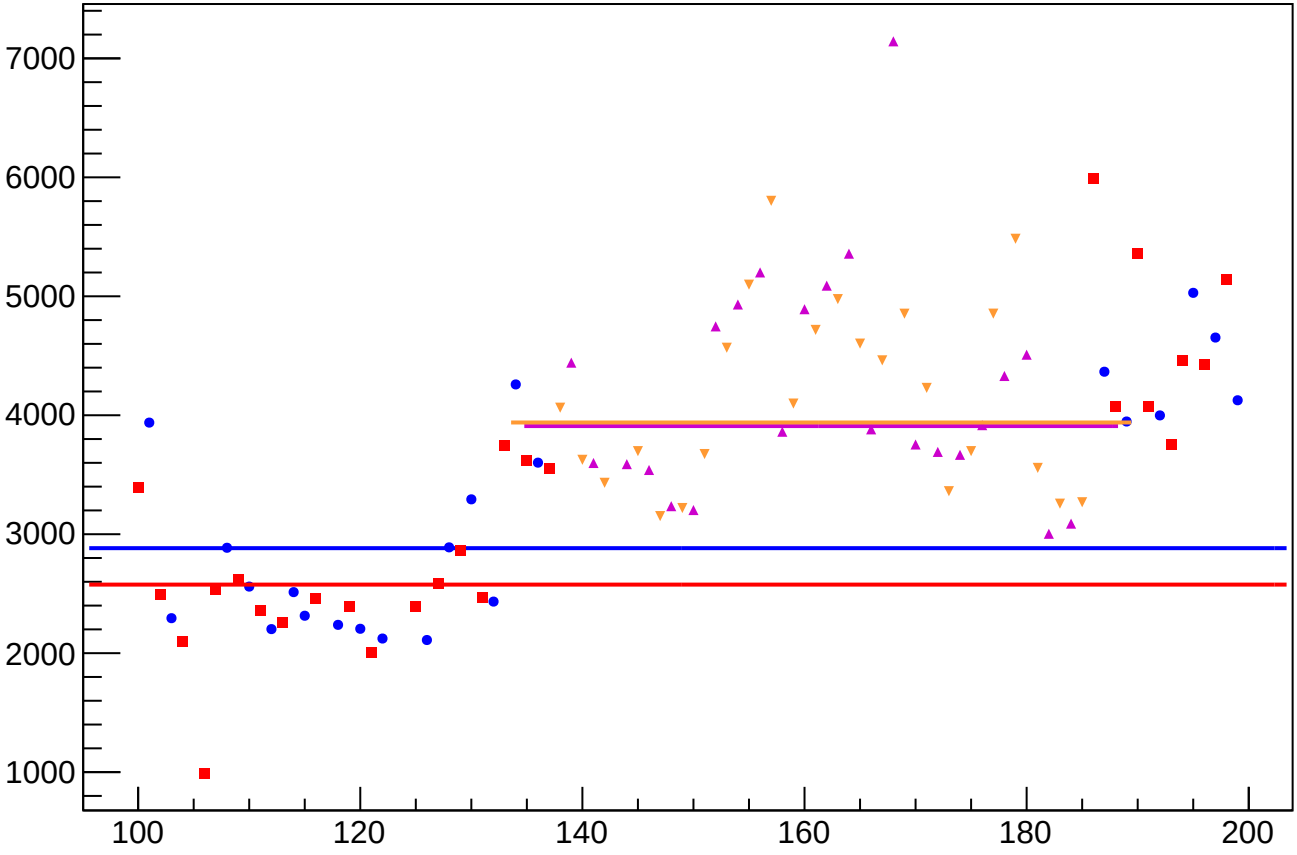
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 171.907+/-643.711 χ^2/NDF: 53.4/45

All: -396.851+/-439.847 χ^2/NDF: 102.8/94

- sign -894.977+/-602.416 χ^2/NDF: 47.9/48

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2882.738+/-0.628 χ^2/NDF: 1854346.7/21

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2576.393+/-0.558 χ^2/NDF: 3564298.4/25

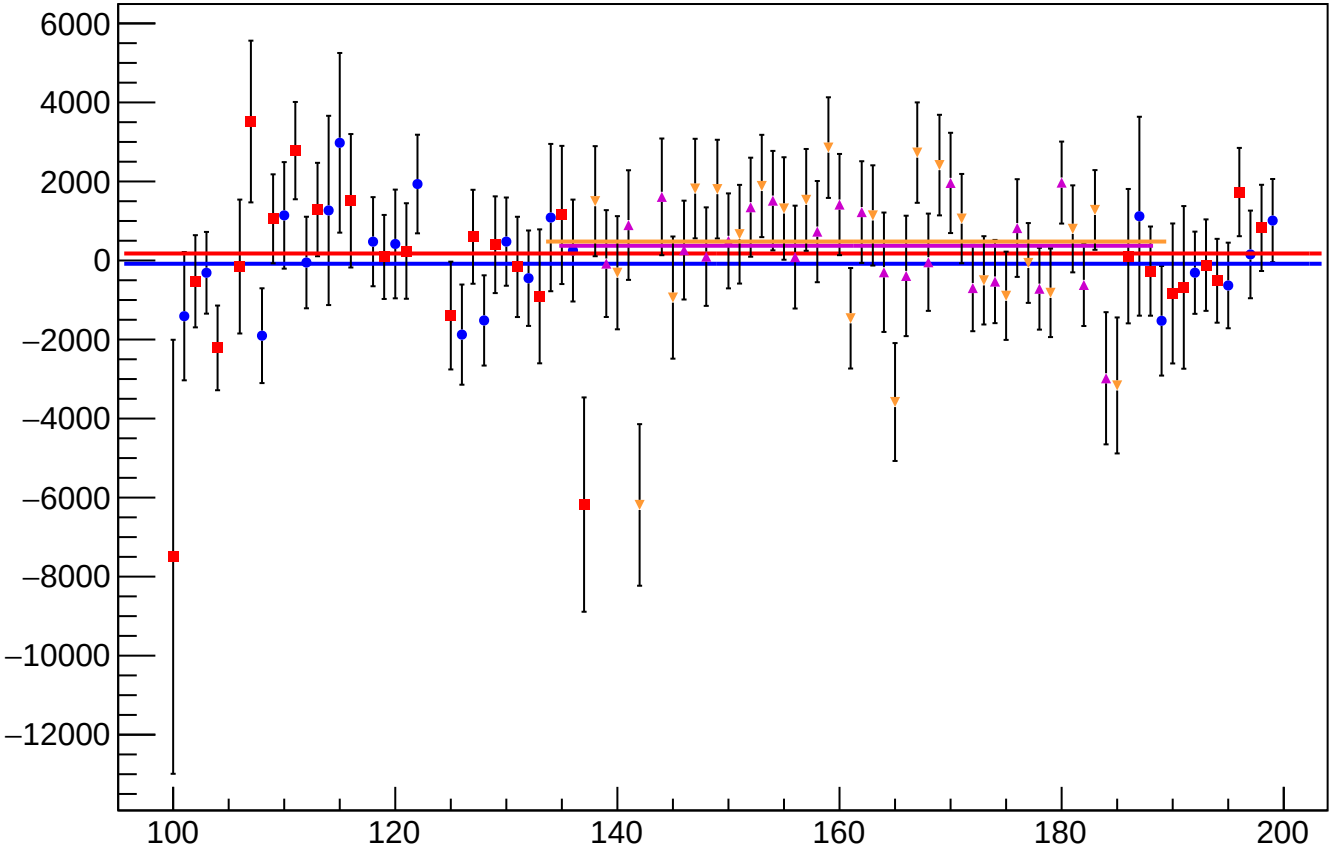
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3384.344+/-0.455 χ^2/NDF: 4290518.6/45

All: 3250.050+/-0.311 χ^2/NDF: 11698981.2/9

- sign 3132.433+/-0.426 χ^2/NDF: 7245175.8/48

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -82.585+/-271.499 χ^2/NDF: 16.1/21

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 177.077+/-261.562 χ^2/NDF: 27.8/25

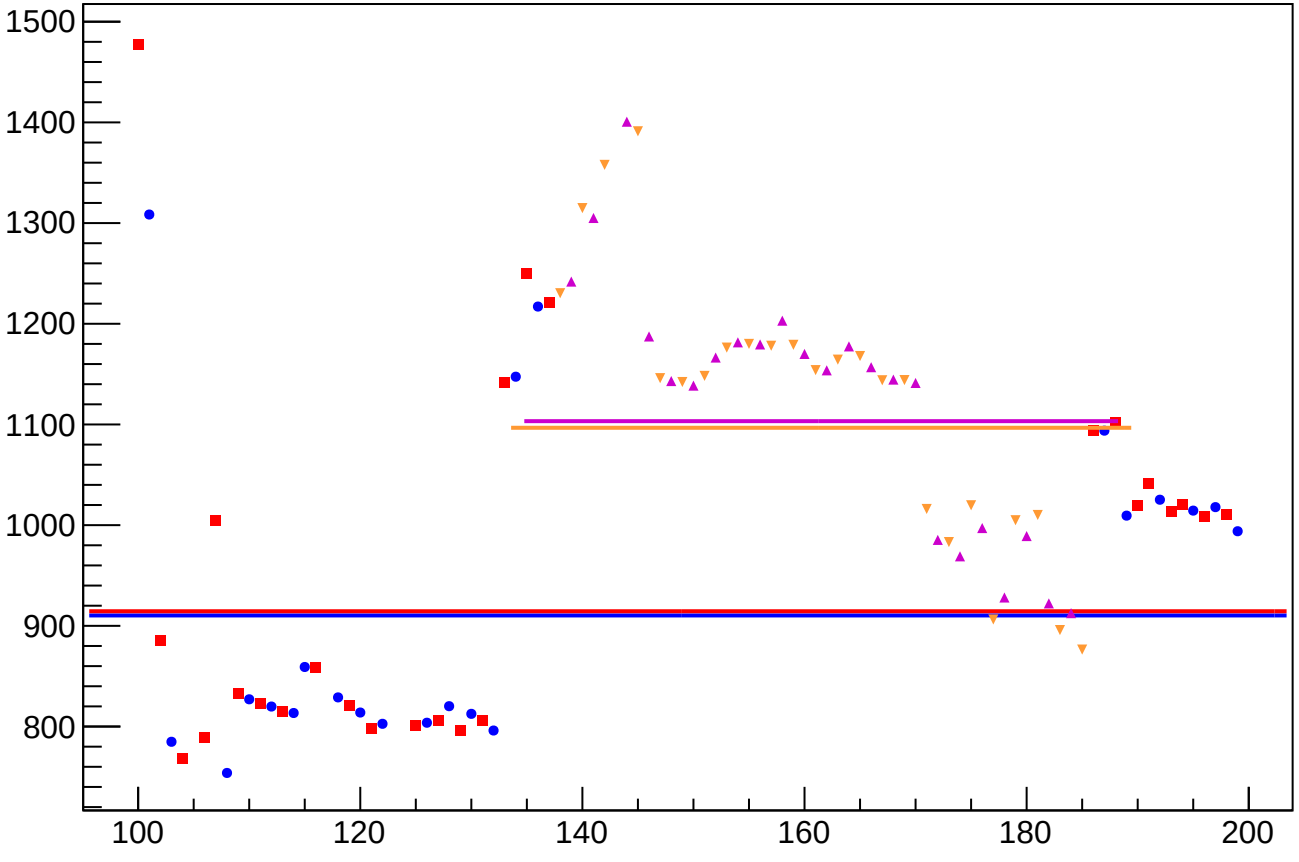
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 214.642+/-186.385 χ^2/NDF: 63.5/45

All: 245.607+/-130.997 χ^2/NDF: 107.7/94

- sign 275.834+/-184.152 χ^2/NDF: 44.1/48

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 910.322+/-0.192 χ^2/NDF: 543611.3/21

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 914.502+/-0.184 χ^2/NDF: 504905.9/25

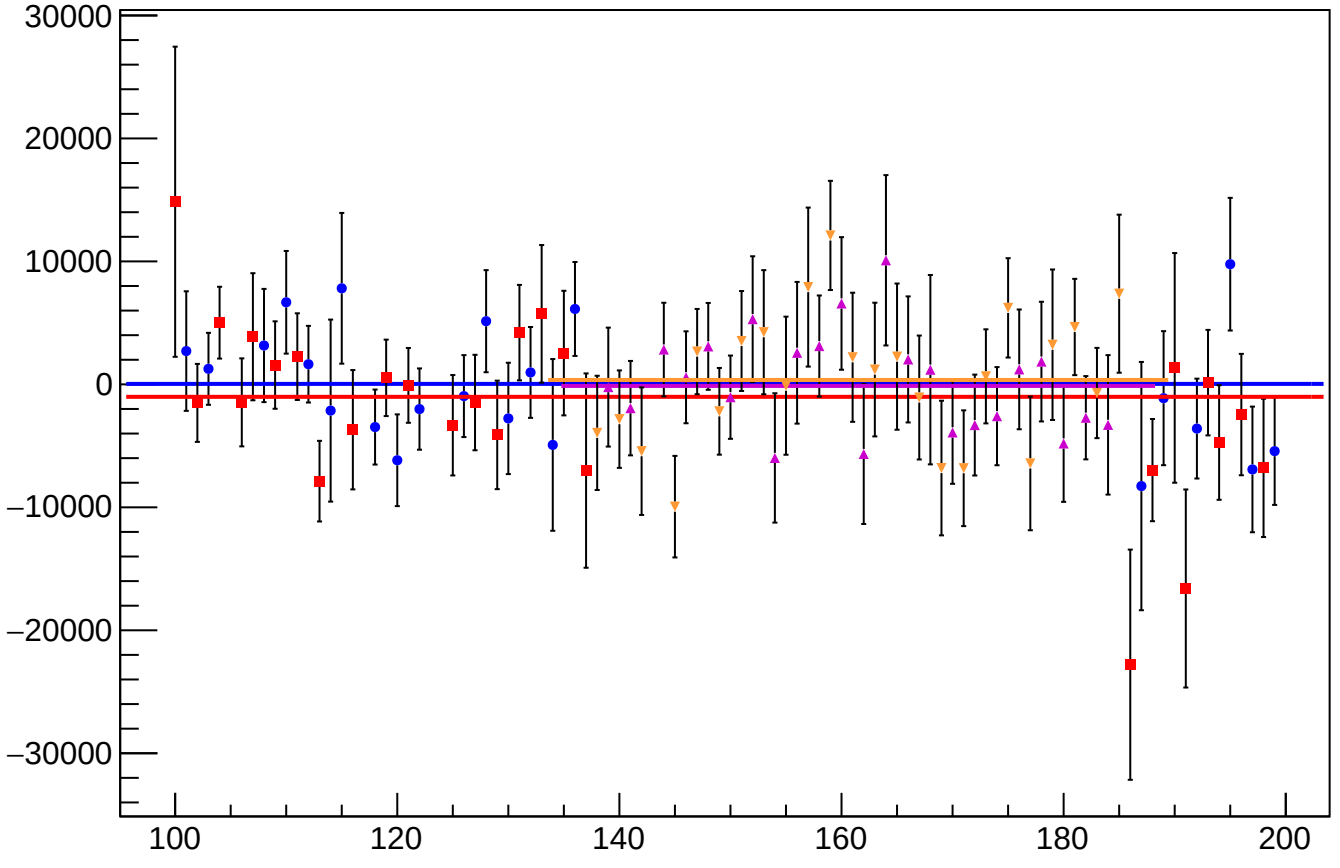
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.869+/-0.132 χ^2/NDF: 1522487.4/45

All: 1009.129+/-0.093 χ^2/NDF: 3002152.8/94

- sign 1009.383+/-0.130 χ^2/NDF: 1479657.6/48

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 38.396+/-887.147 χ^2/NDF: 23.2/21

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -1012.984+/-831.787 χ^2/NDF: 31.5/25

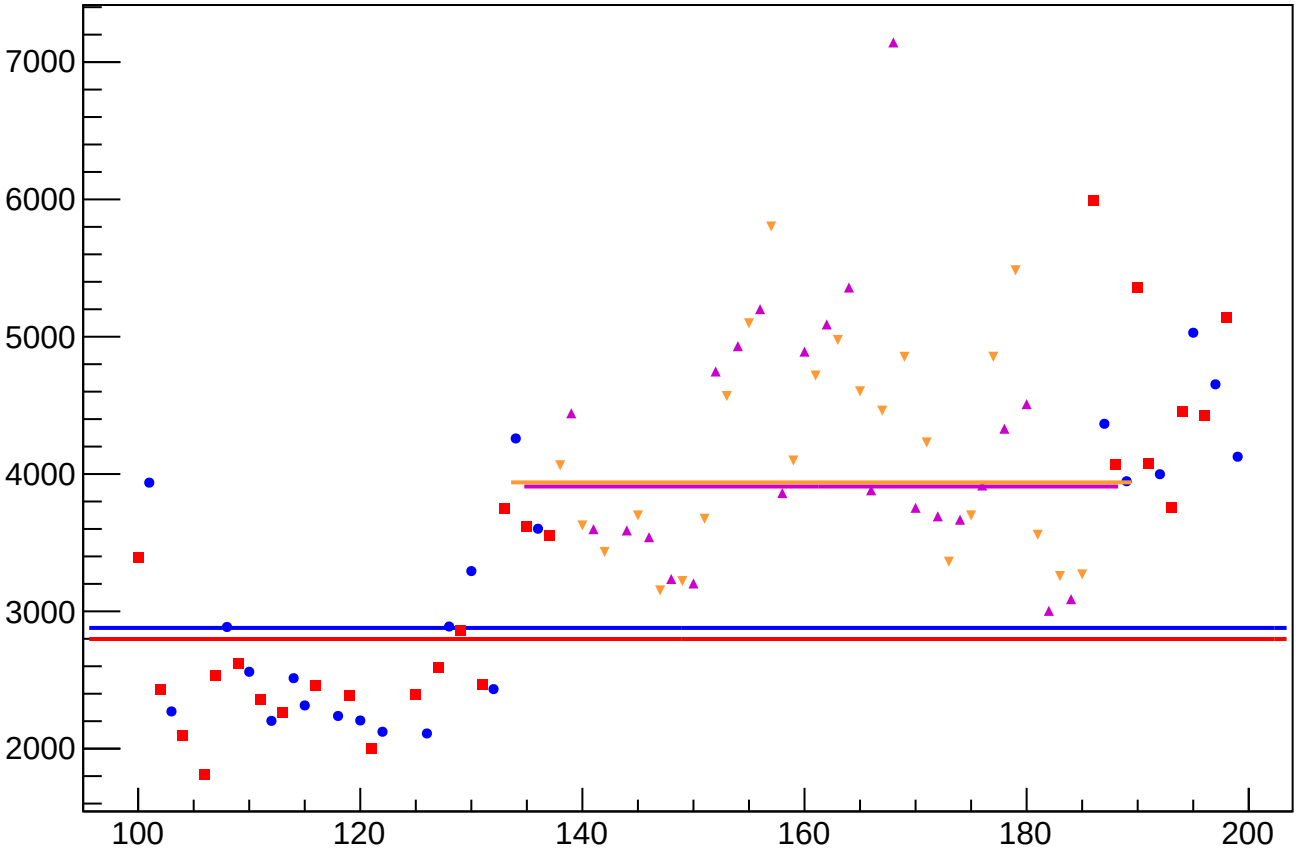
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 189.814+/-643.306 χ^2/NDF: 53.5/45

All: -229.686+/-446.705 χ^2/NDF: 100.1/94

- sign -620.309+/-620.769 χ^2/NDF: 45.7/48

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2879.200+/-0.627 χ^2/NDF: 1862759.4/21

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2798.527+/-0.588 χ^2/NDF: 2282678.6/25

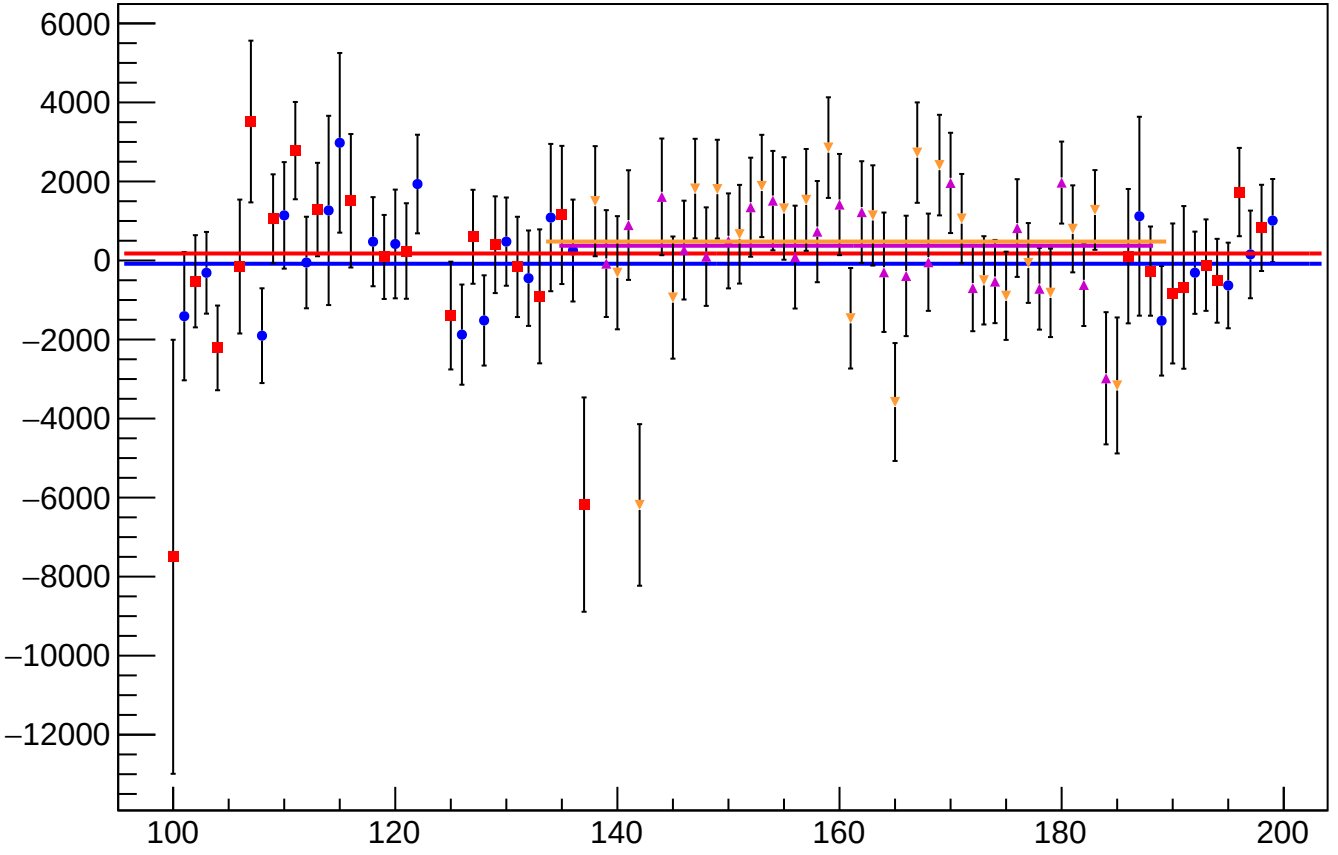
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

\+ sign 3381.853+/-0.455 χ^2/NDF: 4309483.8/45

All: 3334.575+/-0.316 χ^2/NDF: 9493414.0/94

\- sign 3290.551+/-0.439 χ^2/NDF: 5163069.0/48

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -82.585+/-271.499 χ^2/NDF: 16.1/21

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 177.077+/-261.562 χ^2/NDF: 27.8/25

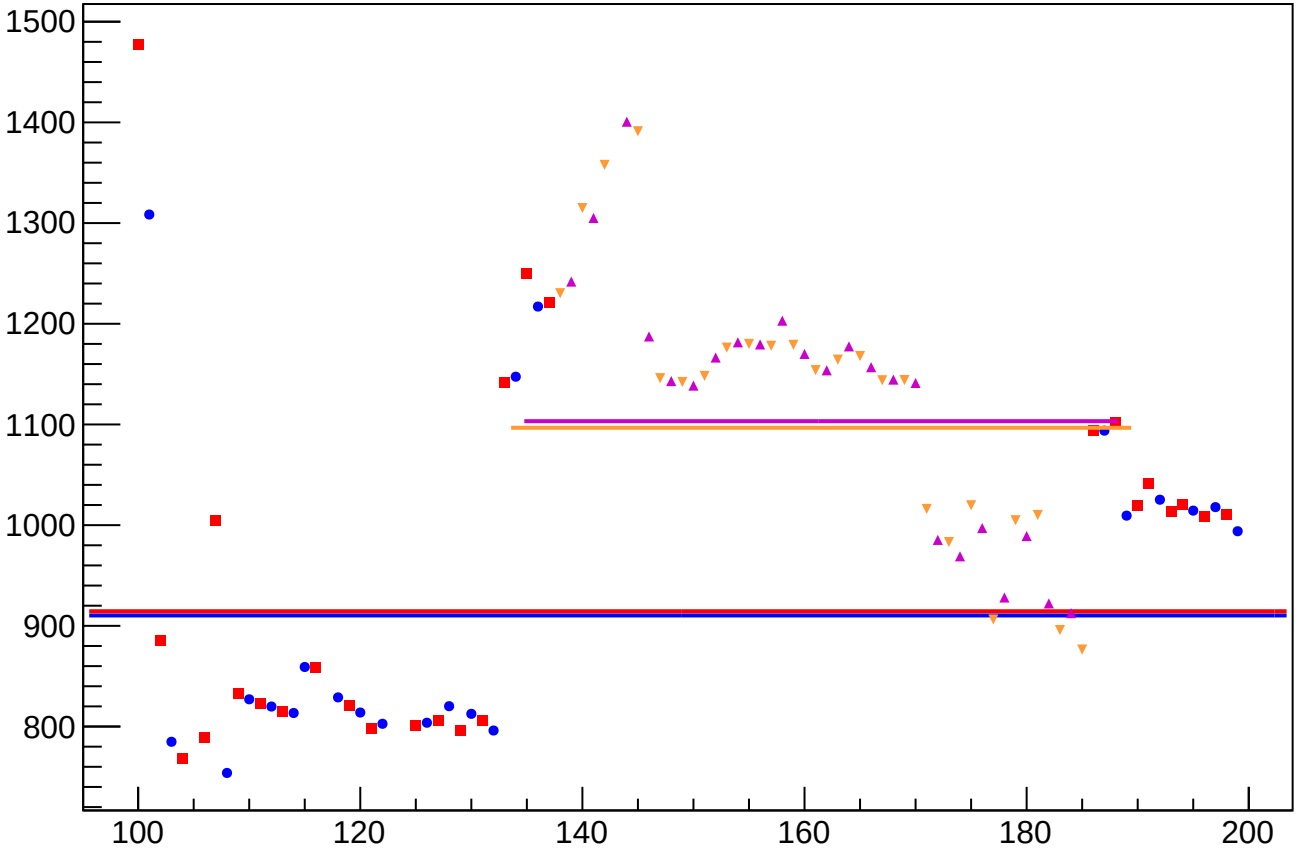
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 214.642+/-186.385 χ^2/NDF: 63.5/45

All: 245.607+/-130.997 χ^2/NDF: 107.7/94

- sign 275.834+/-184.152 χ^2/NDF: 44.1/48

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 910.322+/-0.192 χ^2/NDF: 543611.3/21

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

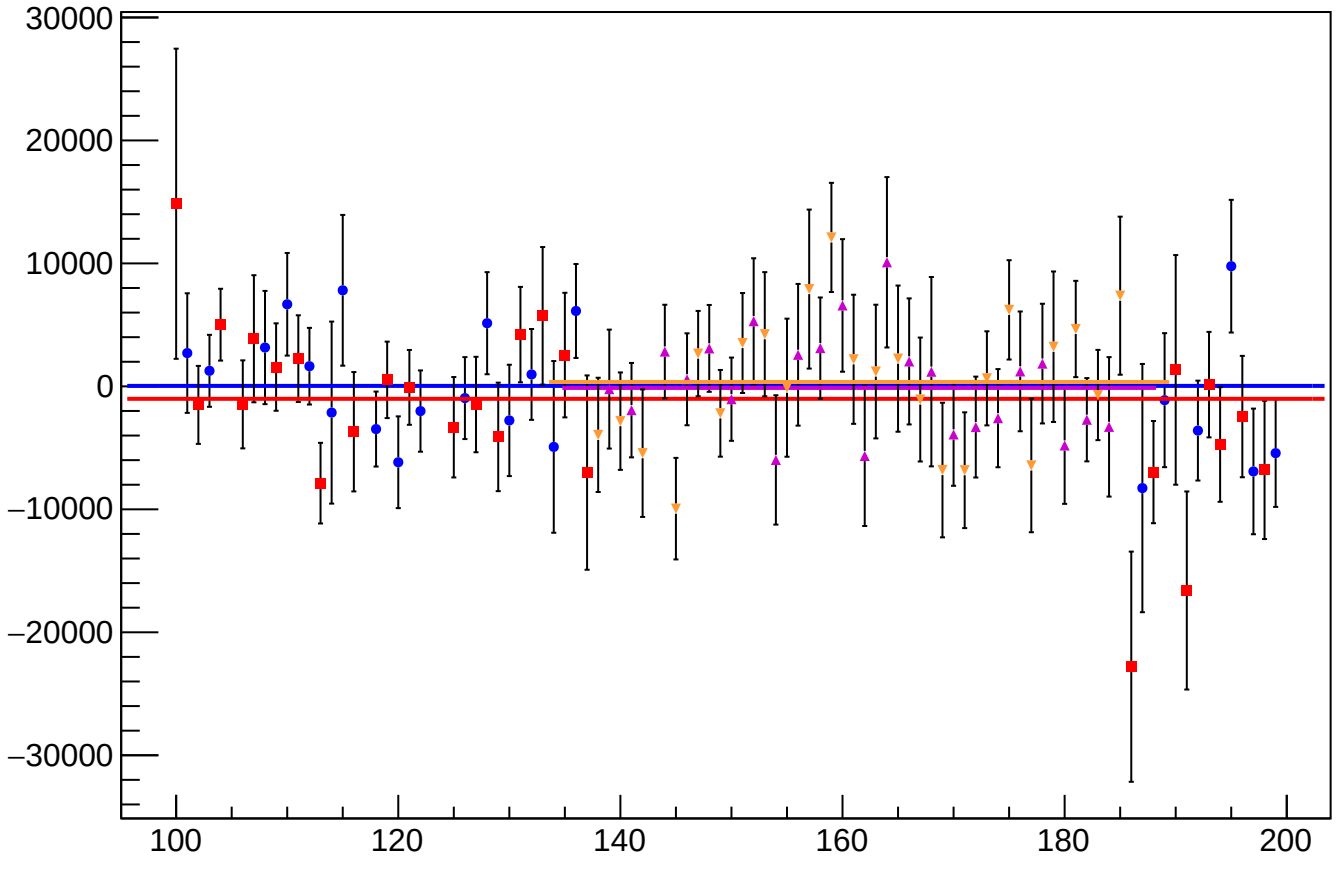
Right Out: 914.502+/-0.184 χ^2/NDF: 504905.9/25

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.869+/-0.132 χ^2/NDF: 1522487.4/45

All: 1009.129+/-0.093 χ^2/NDF: 3002152.8/94

- sign 1009.383+/-0.130 χ^2/NDF: 1479657.6/48



Right In: 38.396+/-887.147 χ^2/NDF: 23.2/21

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -1012.984+/-831.787 χ^2/NDF: 31.5/25

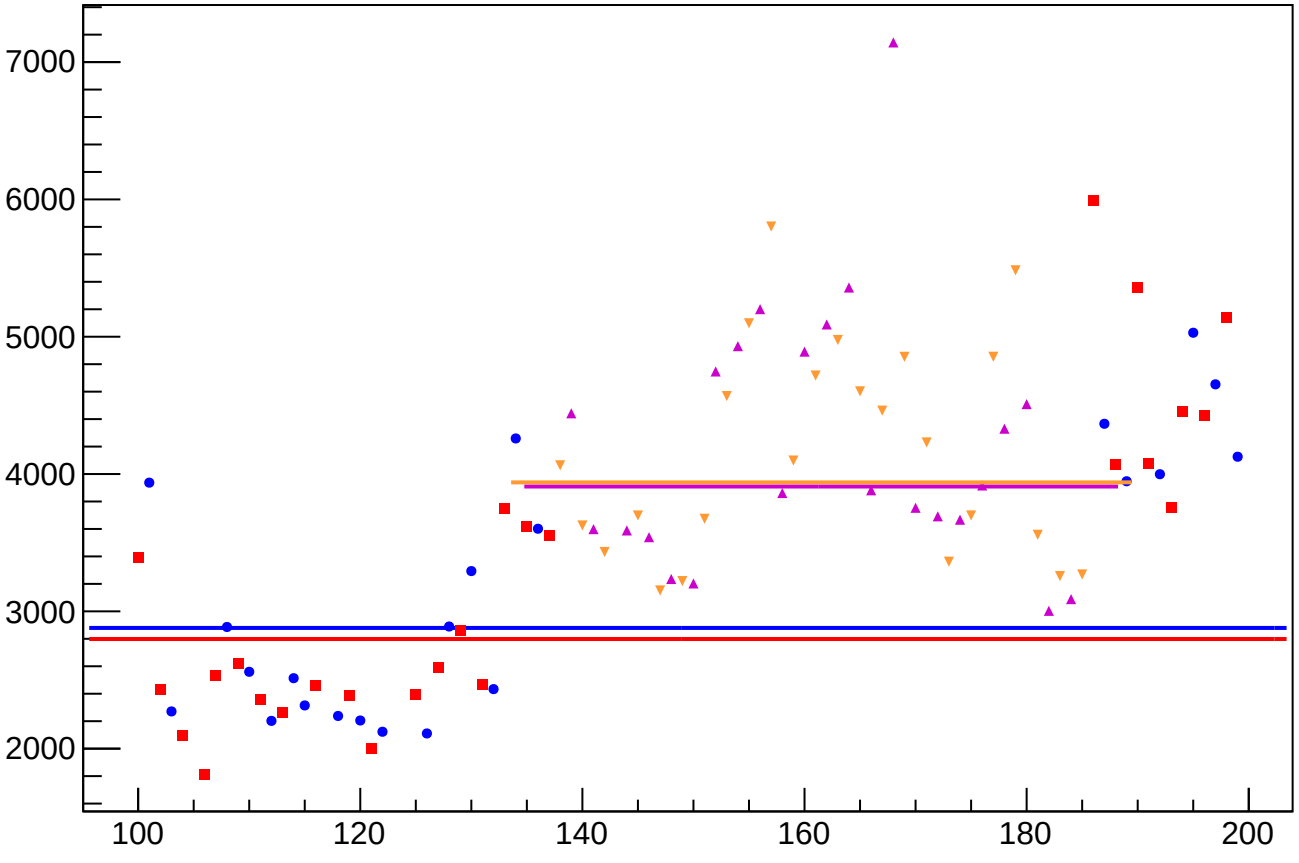
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 189.814+/-643.306 χ^2/NDF: 53.5/45

All: -229.686+/-446.705 χ^2/NDF: 100.1/94

- sign -620.309+/-620.769 χ^2/NDF: 45.7/48

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 2879.200+/-0.627 χ^2/NDF: 1862759.4/21

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

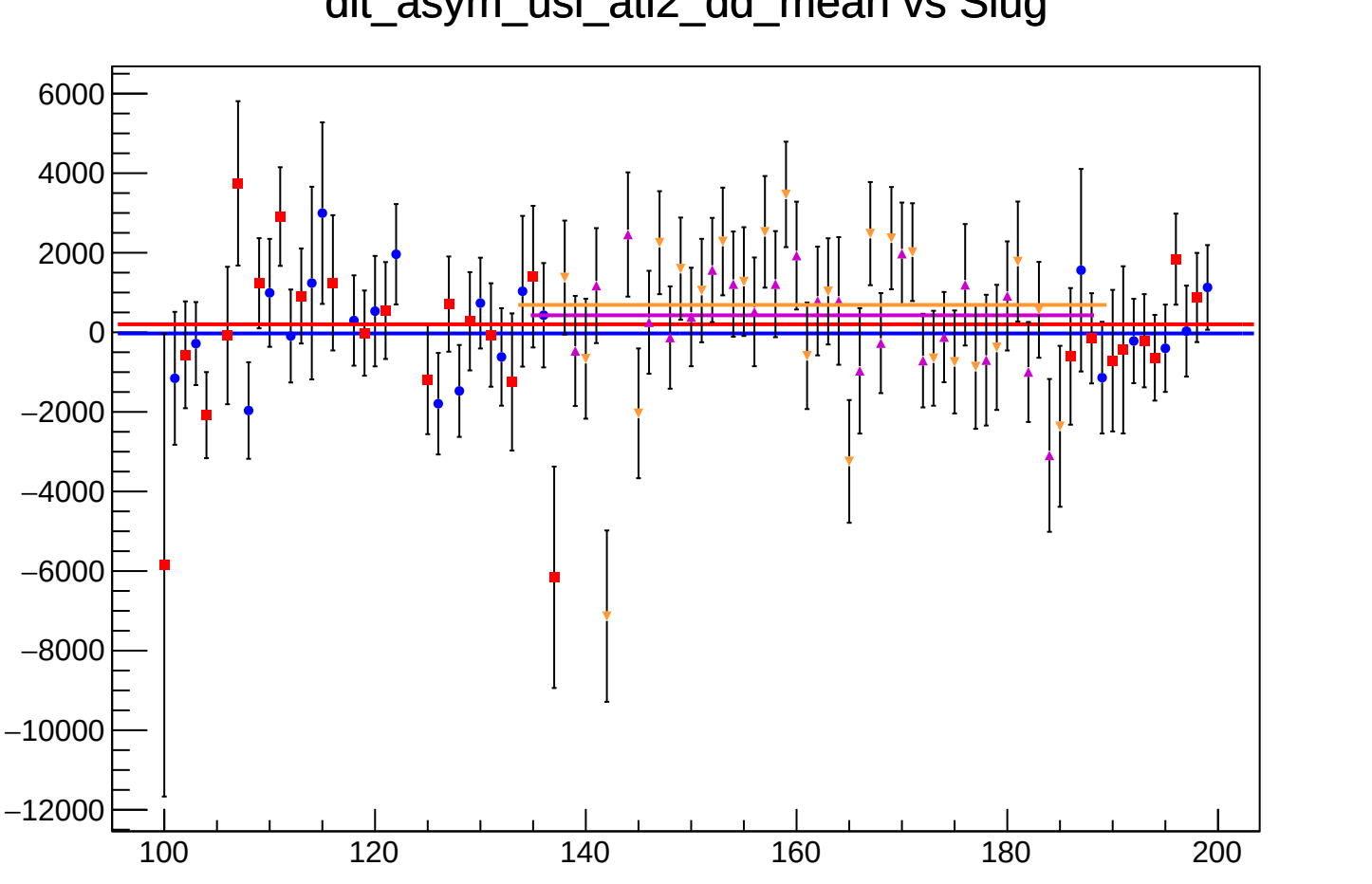
Right Out: 2798.527+/-0.588 χ^2/NDF: 2282678.6/25

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3381.853+/-0.455 χ^2/NDF: 4309483.8/45

All: 3334.575+/-0.316 χ^2/NDF: 9493414.0/94

- sign 3290.551+/-0.439 χ^2/NDF: 5163069.0/48



Right In: -27.928+/-275.159 χ^2/NDF: 15.3/21

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 202.111+/-266.284 χ^2/NDF: 26.7/25

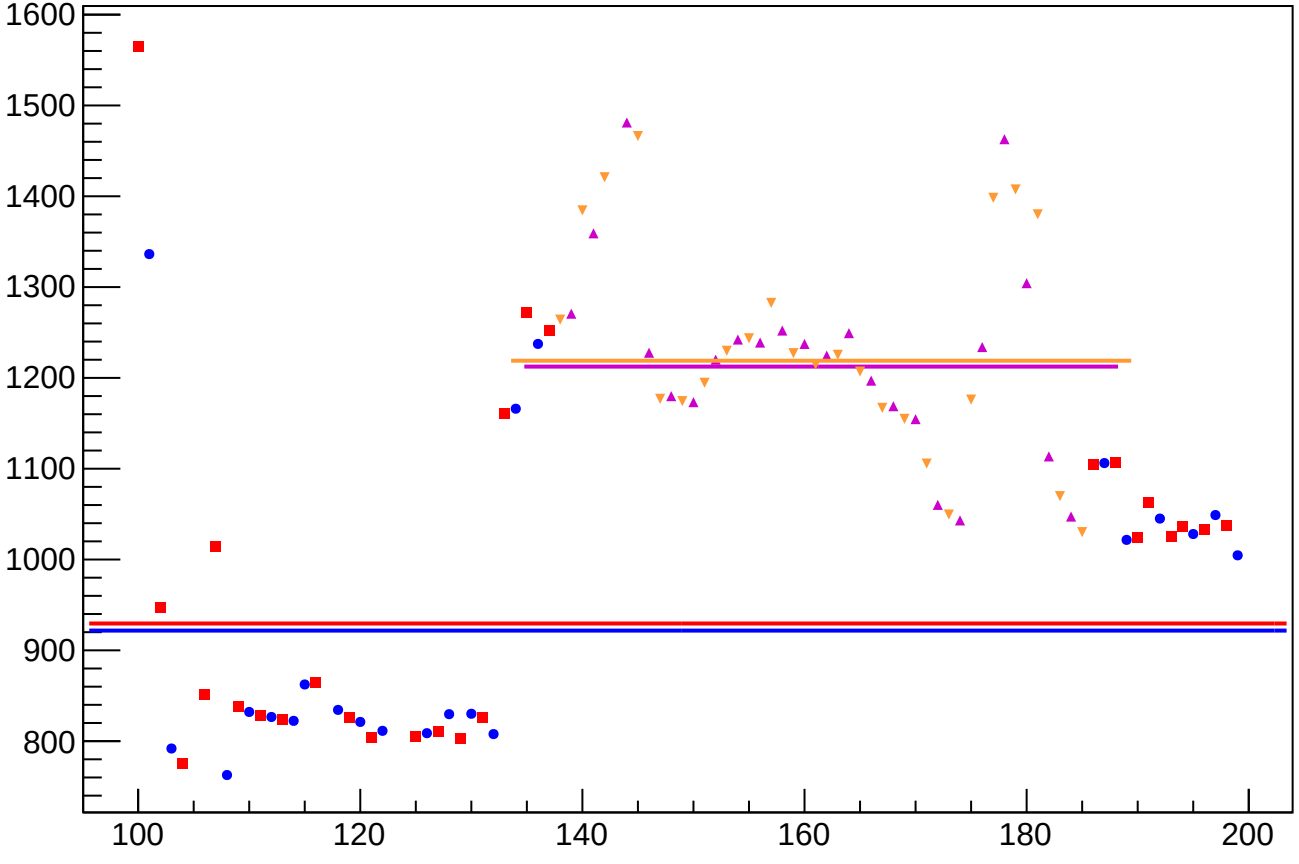
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 318.756+/-197.749 χ^2/NDF: 64.4/45

All: 313.114+/-138.621 χ^2/NDF: 106.1/94

- sign 307.664+/-194.375 χ^2/NDF: 41.7/48

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 921.751+/-0.195 χ^2/NDF: 564139.0/21

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 929.564+/-0.188 χ^2/NDF: 515299.9/25

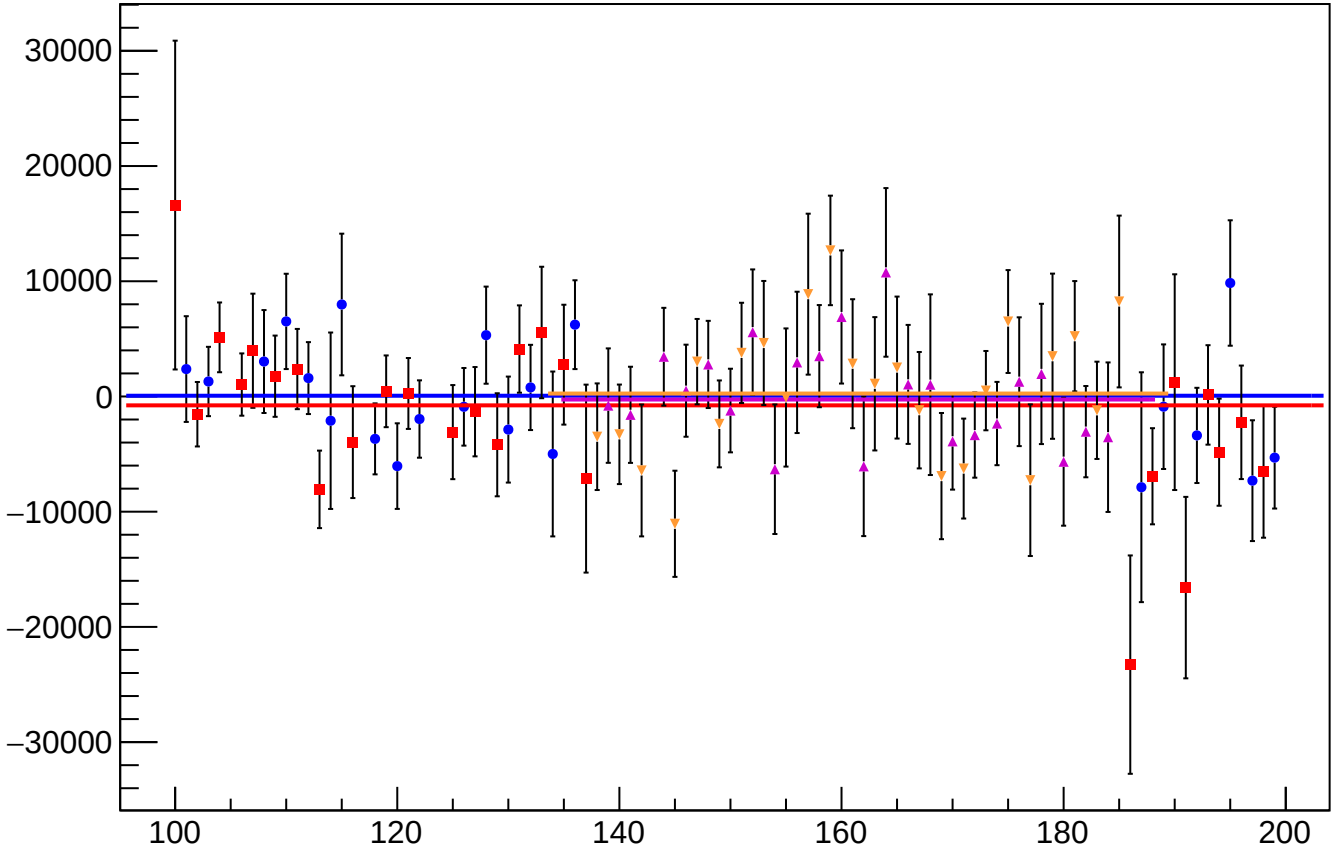
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1065.439+/-0.140 χ^2/NDF: 1985991.2/45

All: 1063.499+/-0.098 χ^2/NDF: 3817083.4/94

- sign 1061.626+/-0.137 χ^2/NDF: 1830714.0/48

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 63.622+/-892.596 χ^2/NDF: 23.0/21

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -771.263+/-811.460 χ^2/NDF: 32.2/25

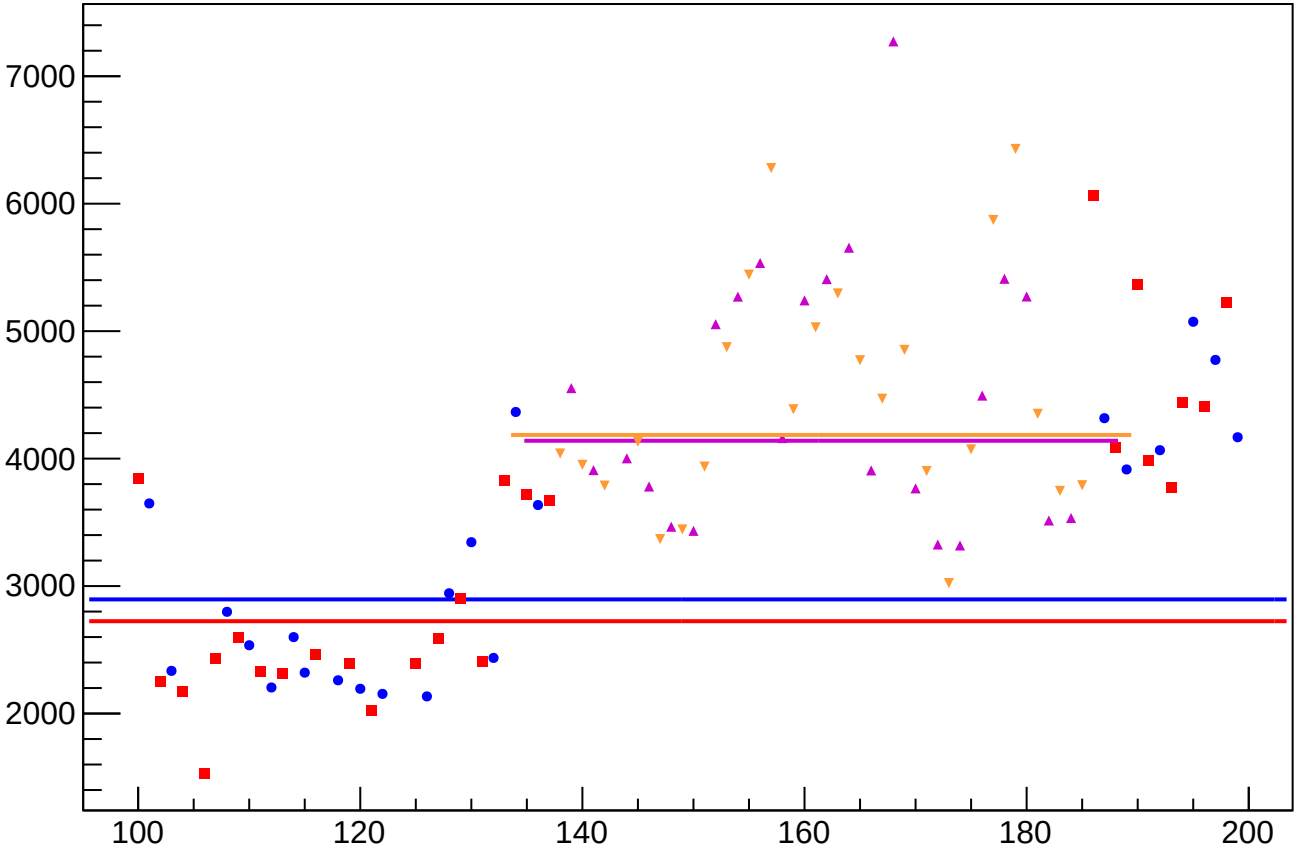
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 147.965+/-664.469 χ^2/NDF: 52.7/45

All: -230.607+/-456.259 χ^2/NDF: 99.1/94

- sign -568.335+/-627.602 χ^2/NDF: 45.8/48

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2895.452+/-0.631 χ^2/NDF: 1837226.6/21

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2724.393+/-0.574 χ^2/NDF: 2612286.7/25

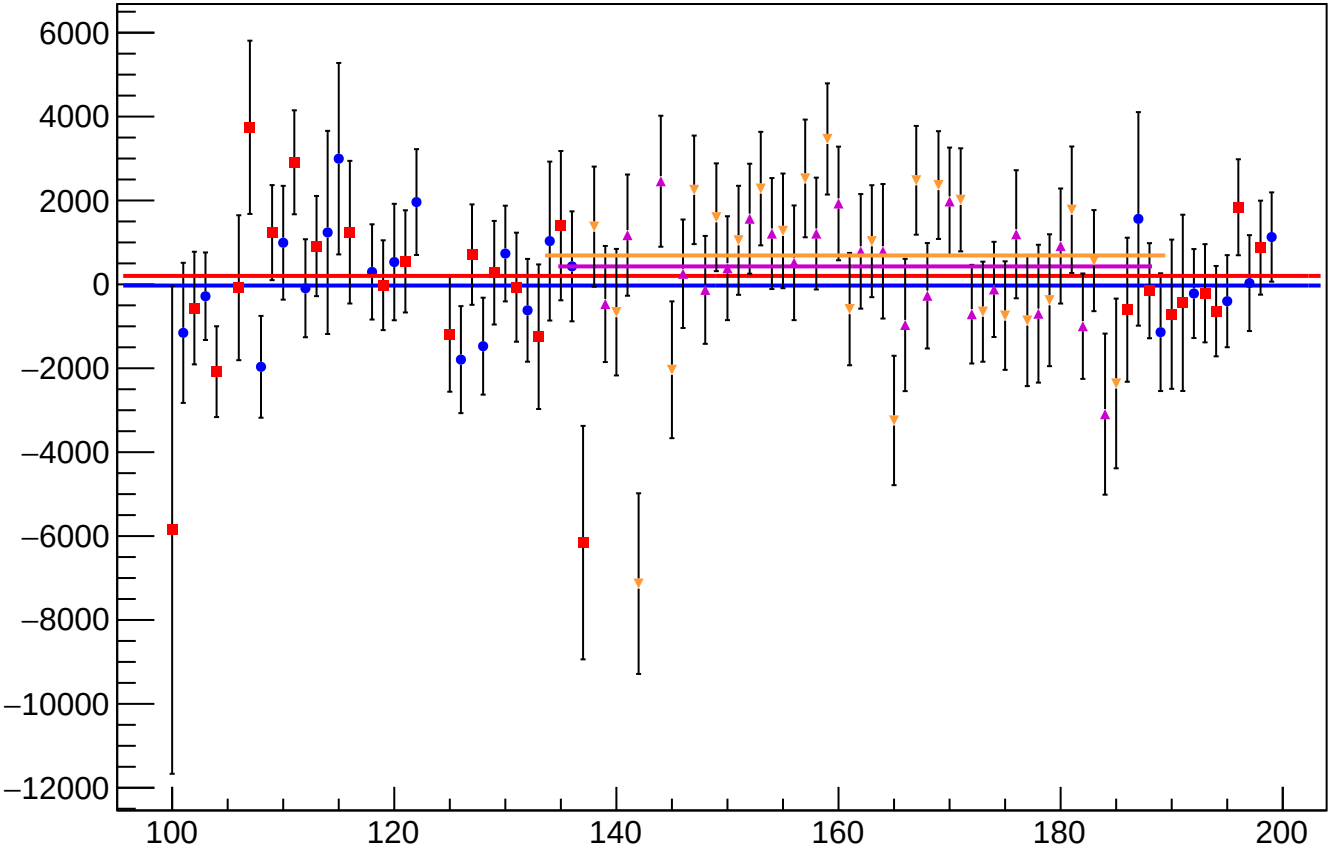
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

\+ sign 3470.668+/-0.470 χ^2/NDF: 4971463.1/45

All: 3376.888+/-0.323 χ^2/NDF: 11554955.0/9

\- sign 3293.226+/-0.444 χ^2/NDF: 6508113.3/48

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -27.928+/-275.159 χ^2/NDF: 15.3/21

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 202.113+/-266.284 χ^2/NDF: 26.7/25

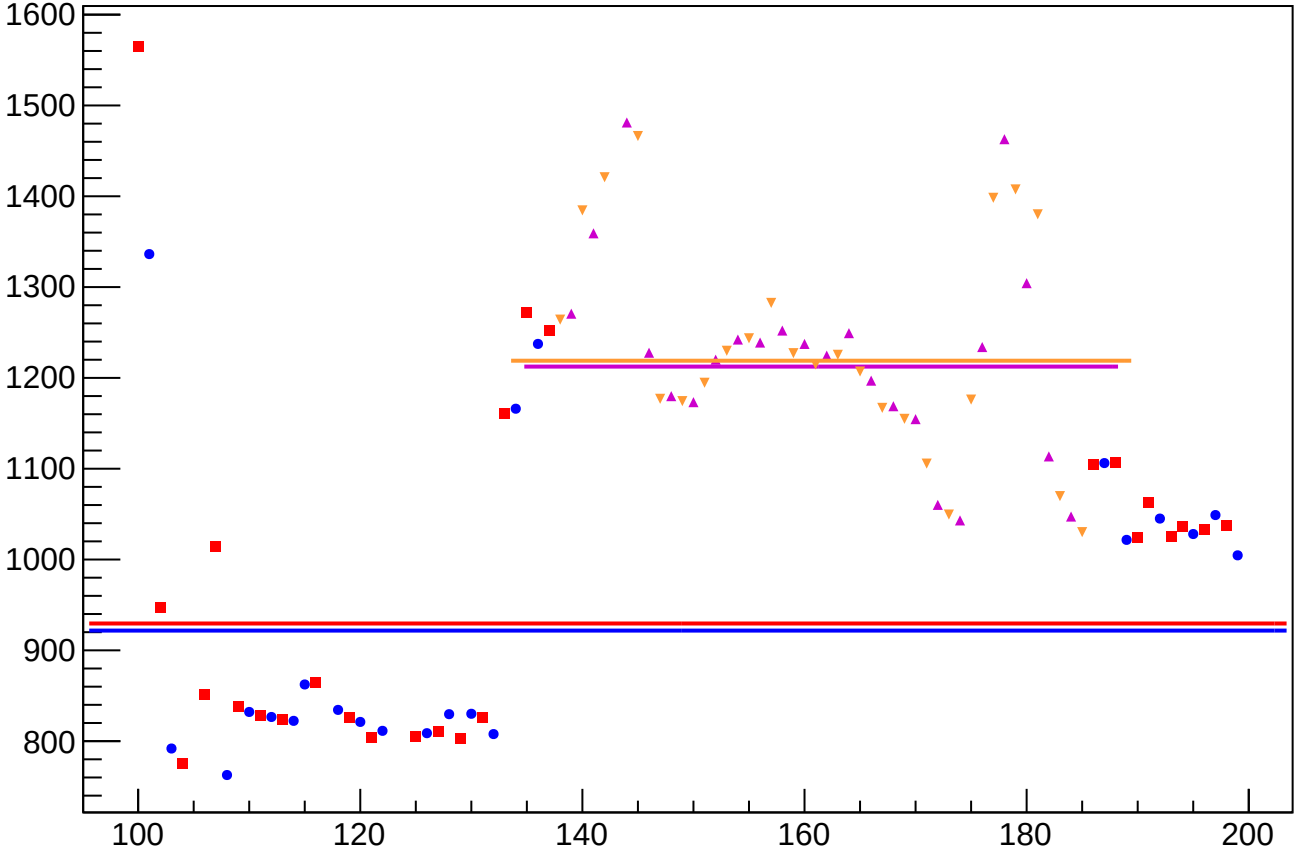
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 318.757+/-197.749 χ^2/NDF: 64.4/45

All: 313.115+/-138.621 χ^2/NDF: 106.1/94

- sign 307.664+/-194.375 χ^2/NDF: 41.7/48

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 921.751+/-0.195 χ^2/NDF: 564139.0/21

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

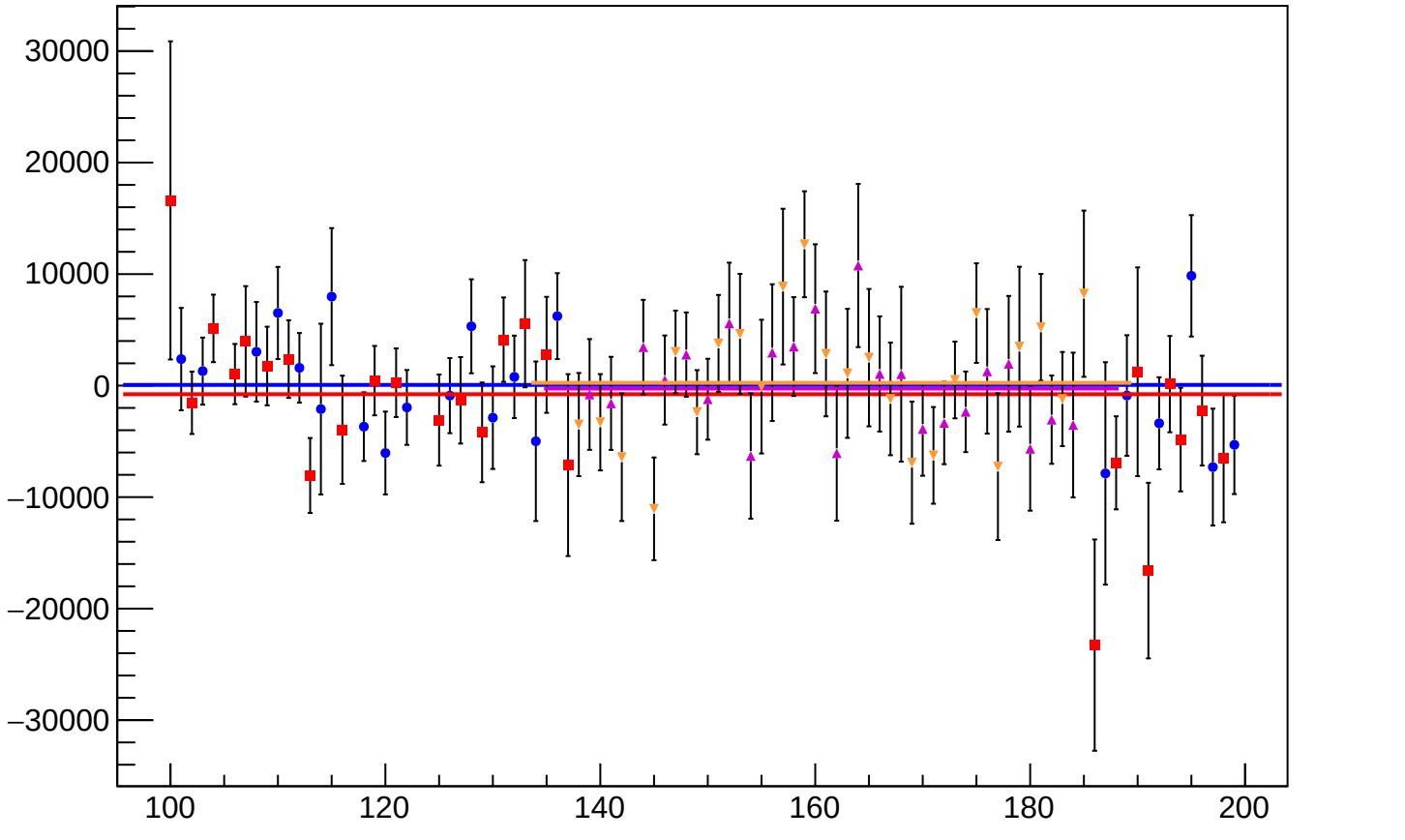
Right Out: 929.564+/-0.188 χ^2/NDF: 515300.3/25

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1065.439+/-0.140 χ^2/NDF: 1986008.1/45

All: 1063.500+/-0.098 χ^2/NDF: 3817116.7/94

- sign 1061.627+/-0.137 χ^2/NDF: 1830730.3/48



Right In: 63.620+/-892.594 χ^2/NDF: 23.0/21

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -771.258+/-811.458 χ^2/NDF: 32.2/25

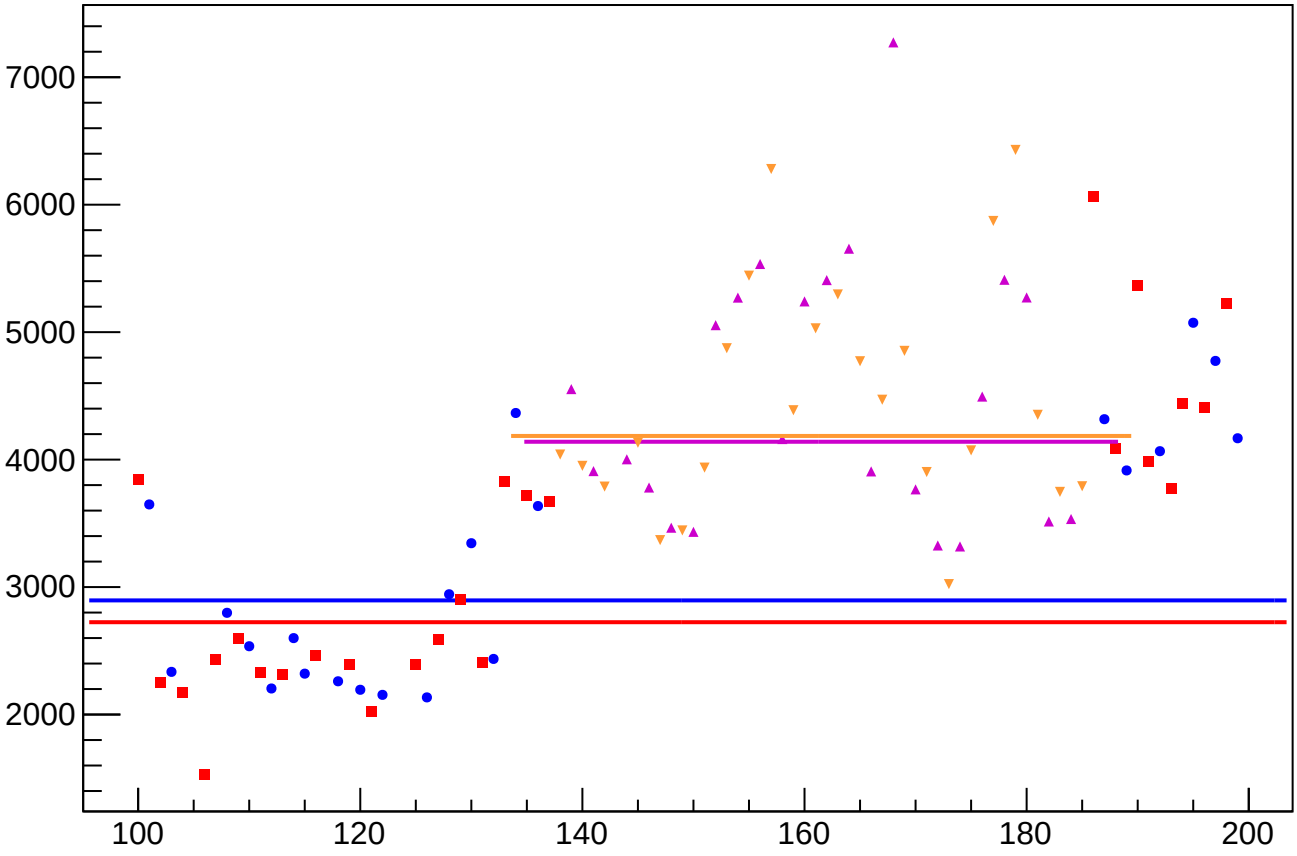
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 147.965+/-664.469 χ^2/NDF: 52.7/45

All: -230.606+/-456.258 χ^2/NDF: 99.1/94

- sign -568.334+/-627.602 χ^2/NDF: 45.8/48

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2895.444+/-0.631 χ^2/NDF: 1837252.1/21

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

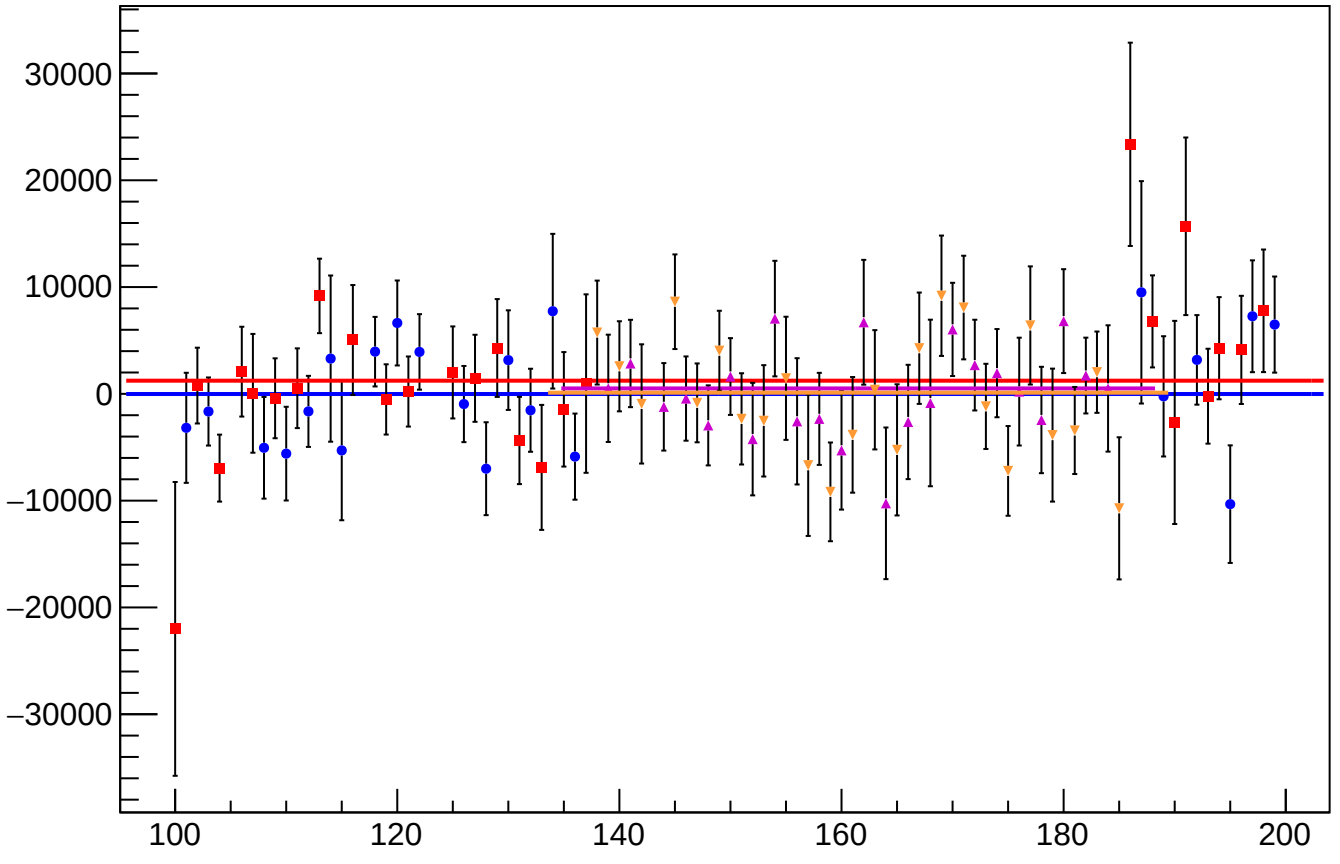
Right Out: 2724.387+/-0.574 χ^2/NDF: 2612310.5/25

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3470.665+/-0.470 χ^2/NDF: 4971534.2/45

All: 3376.885+/-0.323 χ^2/NDF: 11555098.3/9

- sign 3293.222+/-0.444 χ^2/NDF: 6508185.3/48



Right In: -14.943+/-936.382 χ^2/NDF: 25.5/21

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1233.049+/-884.689 χ^2/NDF: 33.0/25

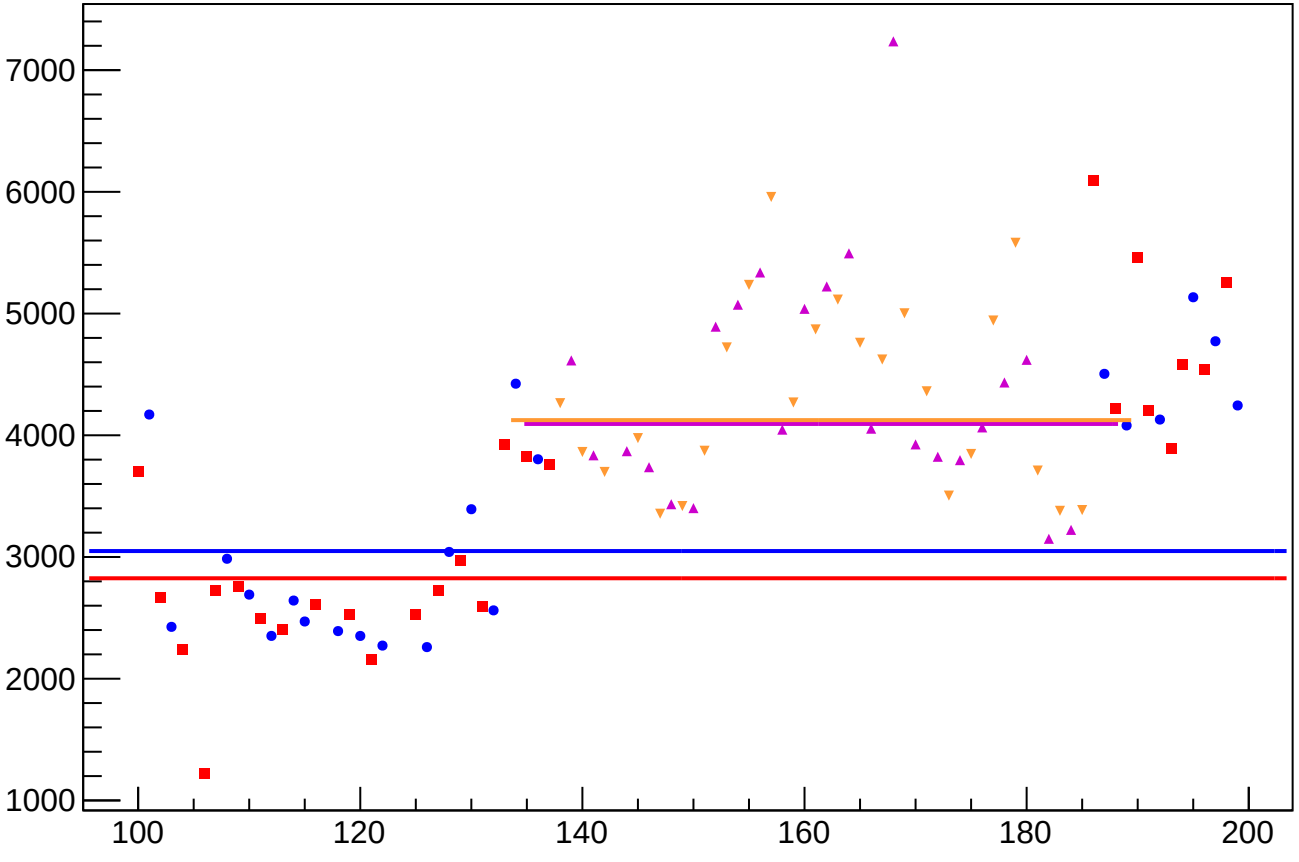
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign 44.471+/-675.561 χ^2/NDF: 53.5/45

All: 488.496+/-470.228 χ^2/NDF: 101.2/94

- sign 905.810+/-654.926 χ^2/NDF: 46.9/48

asym_usl_atl2_dd_rms vs Slug



Right In: 3048.890+/-0.662 χ^2/NDF: 1699318.7/21

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2825.202+/-0.602 χ^2/NDF: 2847648.6/25

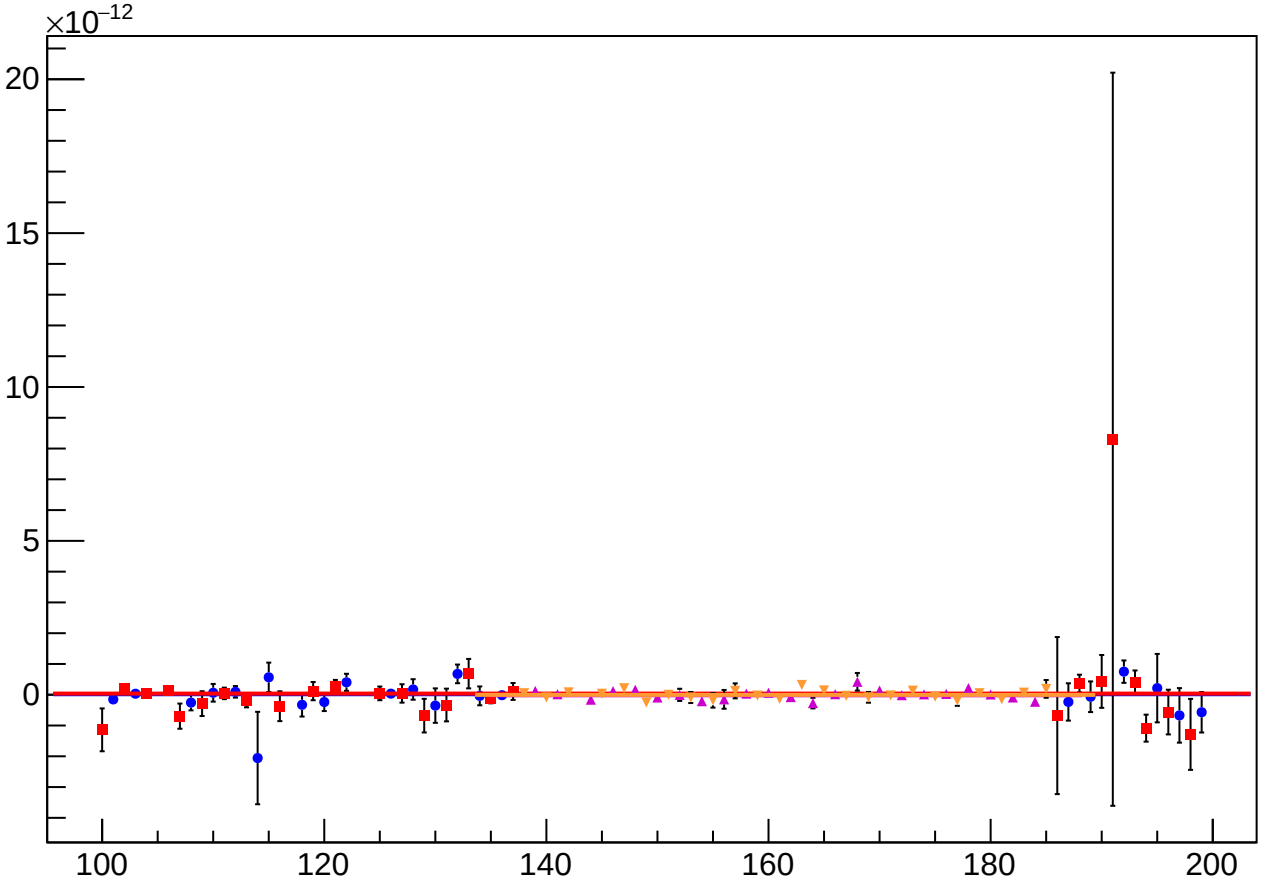
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

\+ sign 3564.634+/-0.478 χ^2/NDF: 3934591.3/45

All: 3464.656+/-0.329 χ^2/NDF: 9948156.1/94

\- sign 3374.572+/-0.453 χ^2/NDF: 5930291.4/48

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

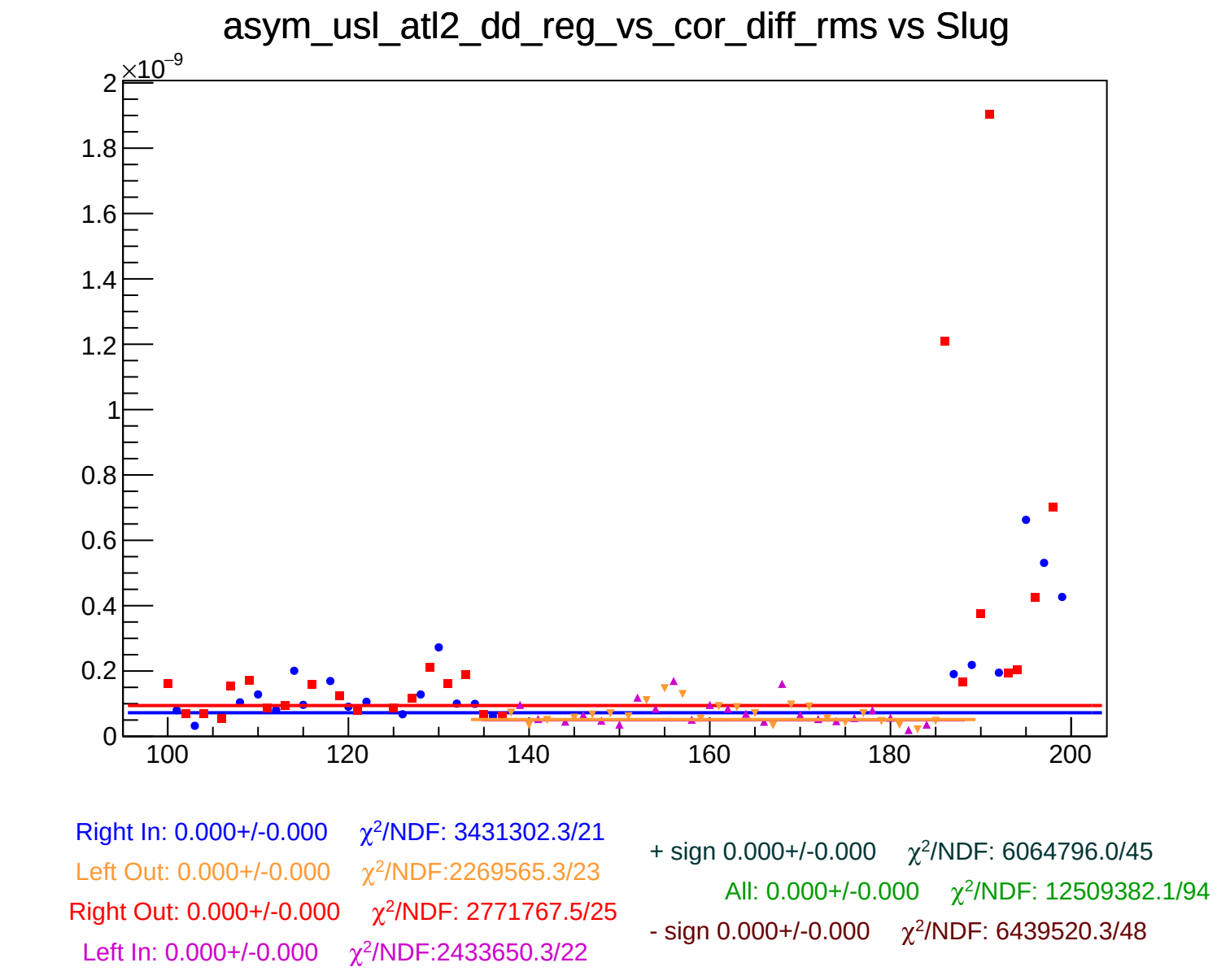
Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/25

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

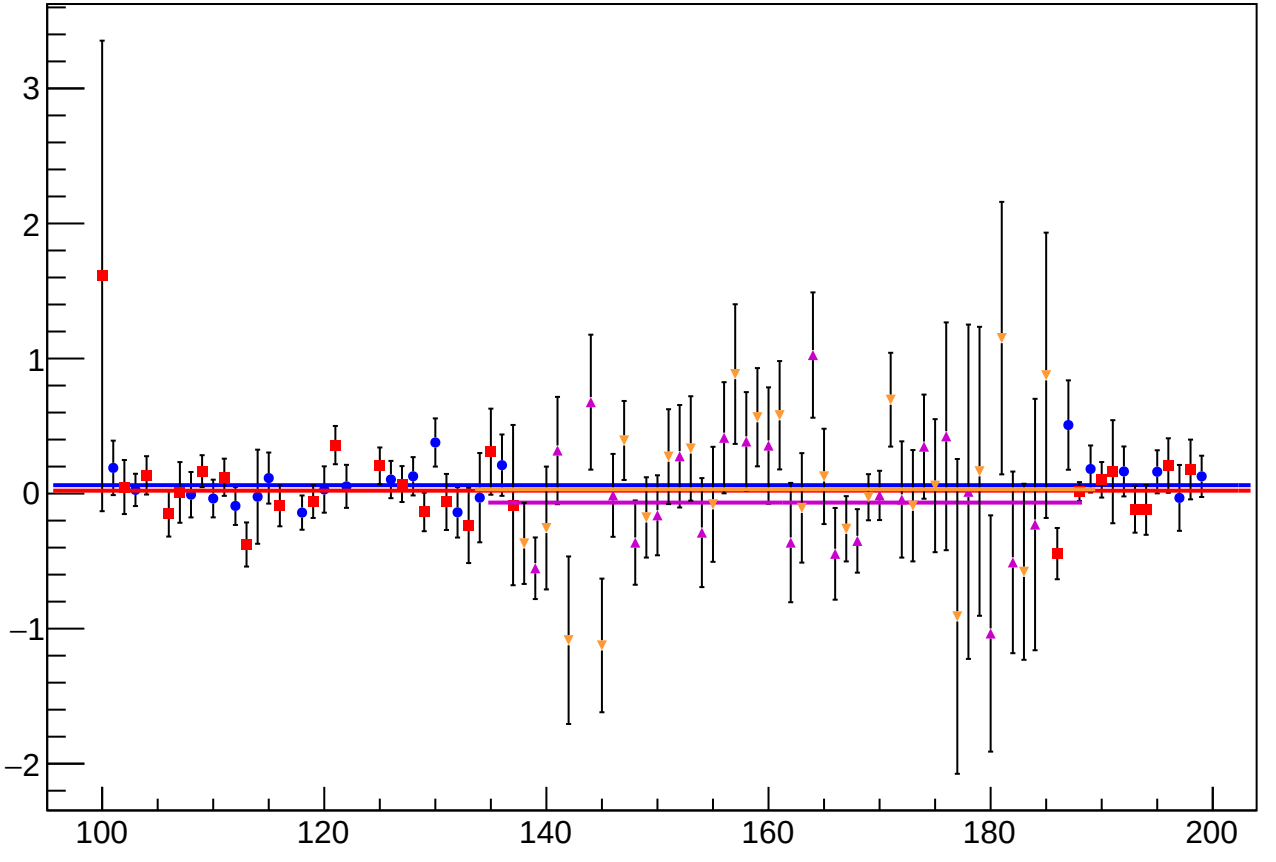
+ sign -0.000+/-0.000 χ^2/NDF: 45.4/45

All: -0.000+/-0.000 χ^2/NDF: 100.8/94

- sign -0.000+/-0.000 χ^2/NDF: 55.2/48


asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3431302.3/21
Left Out: 0.000+/-0.000 χ²/NDF:2269565.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2771767.5/25
Left In: 0.000+/-0.000 χ²/NDF:2433650.3/22
+ sign 0.000+/-0.000 χ²/NDF: 6064796.0/45
All: 0.000+/-0.000 χ²/NDF: 12509382.1/94
- sign 0.000+/-0.000 χ²/NDF: 6439520.3/48

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.062+/-0.036 χ^2/NDF: 13.5/21

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.022+/-0.031 χ^2/NDF: 31.3/25

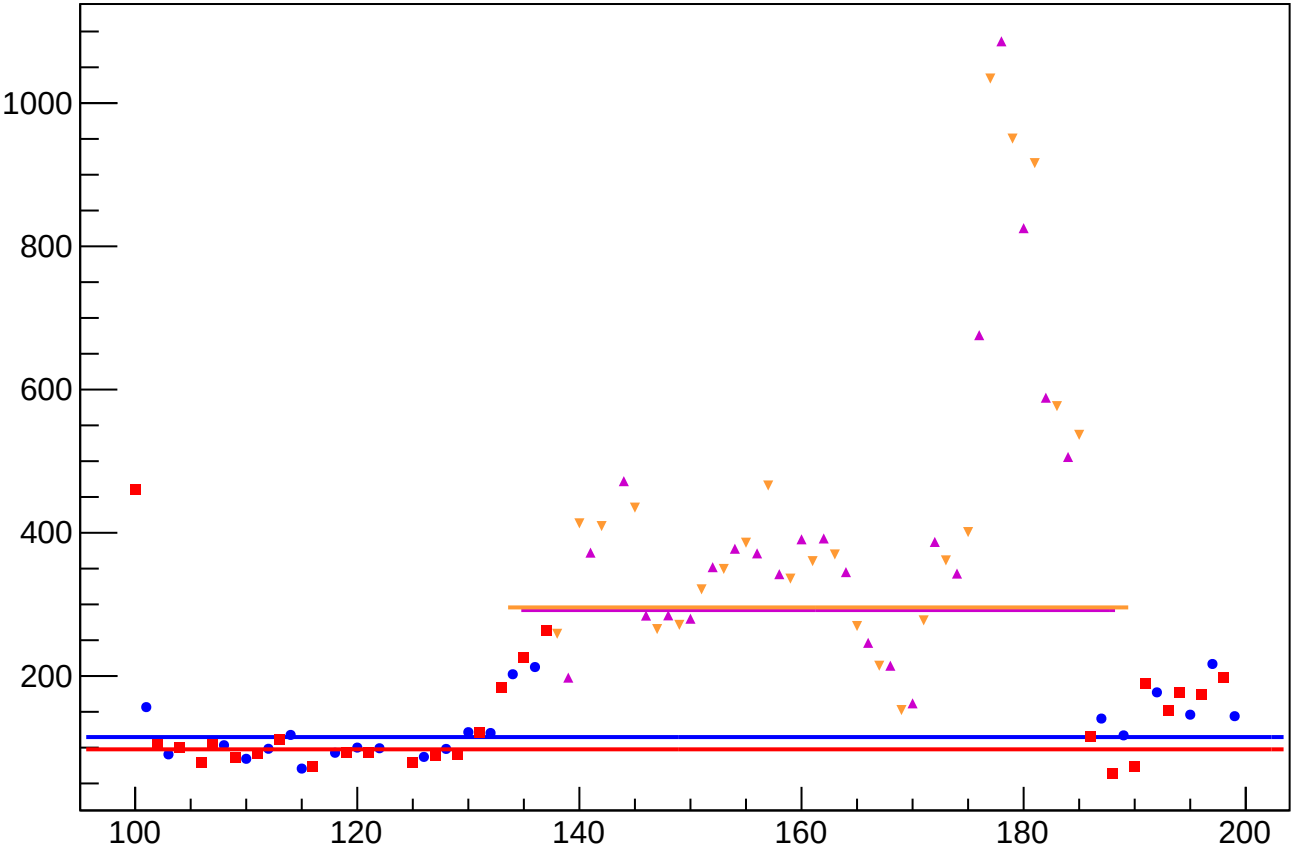
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.057+/-0.033 χ^2/NDF: 43.3/45

All: 0.029+/-0.021 χ^2/NDF: 102.8/94

- sign 0.009+/-0.028 χ^2/NDF: 58.2/48

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 114.757+/-0.026 χ^2/NDF: 1864777.9/21

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

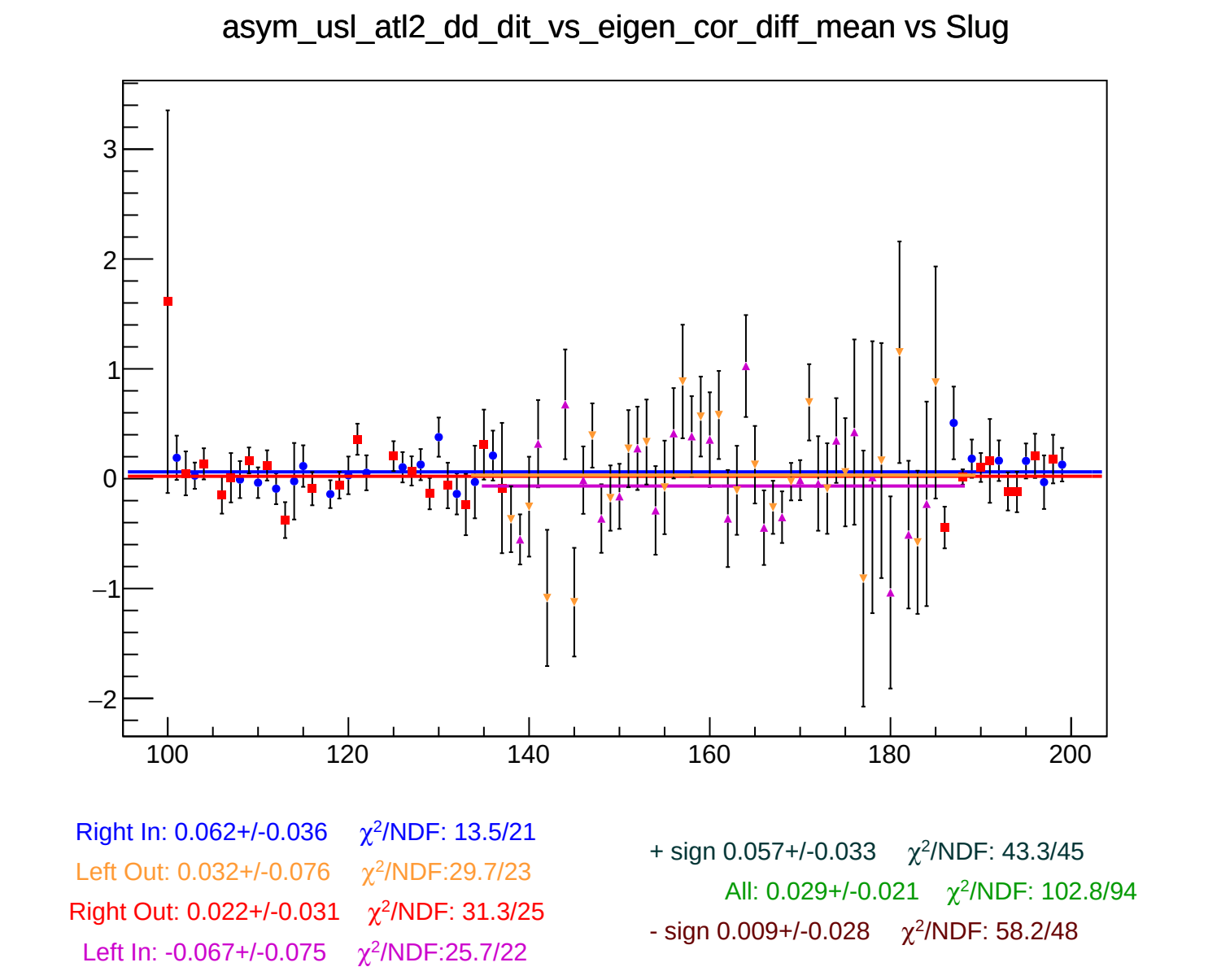
Right Out: 97.624+/-0.022 χ^2/NDF: 2893629.4/25

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

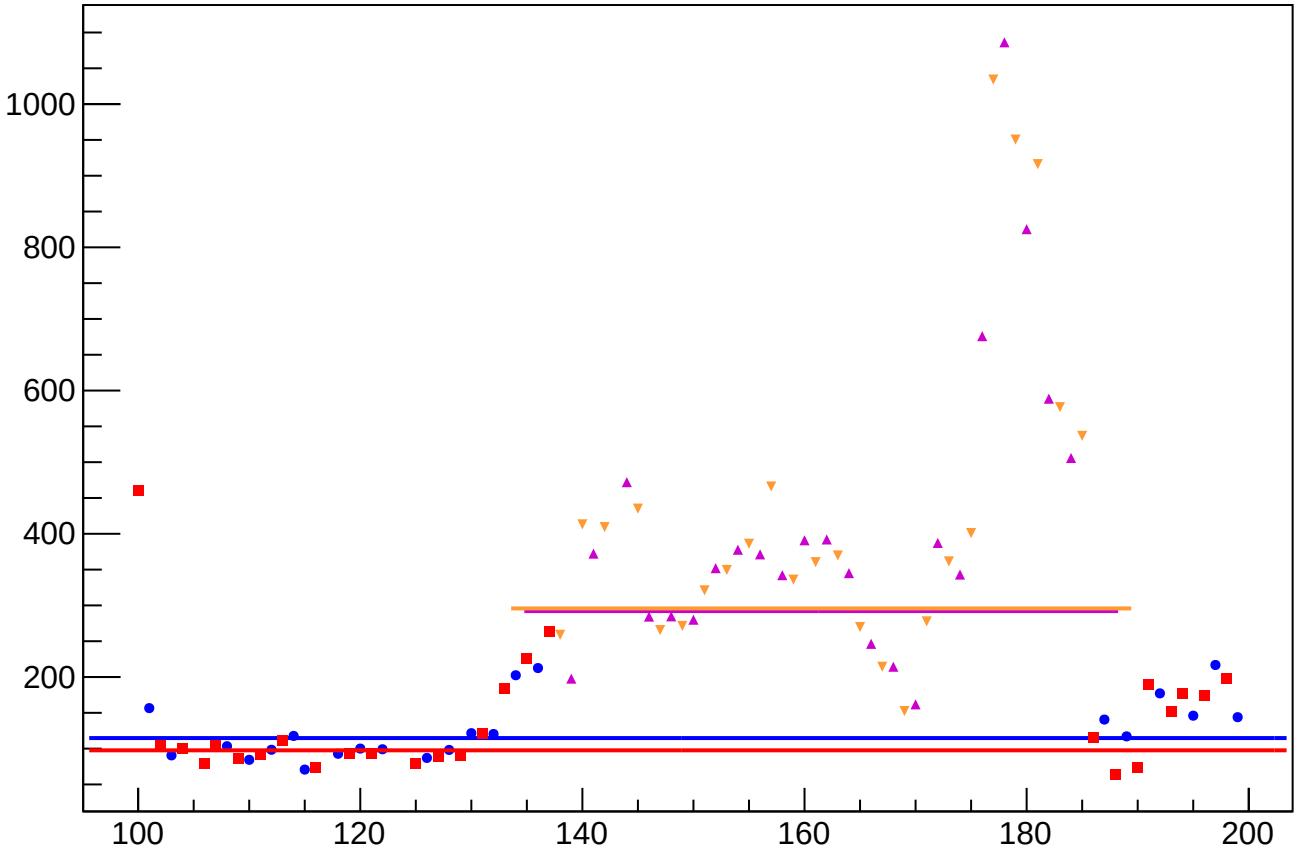
+ sign 148.190+/-0.023 χ^2/NDF: 16617781.8/45

All: 135.278+/-0.015 χ^2/NDF: 36716253.4/94

- 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: 0.062+/-0.036 χ²/NDF: 13.5/21
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 0.057+/-0.033 χ²/NDF: 43.3/45
All: 0.029+/-0.021 χ²/NDF: 102.8/94
- sign 0.009+/-0.028 χ²/NDF: 58.2/48

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 114.757+/-0.026 χ^2/NDF: 1864777.9/21

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

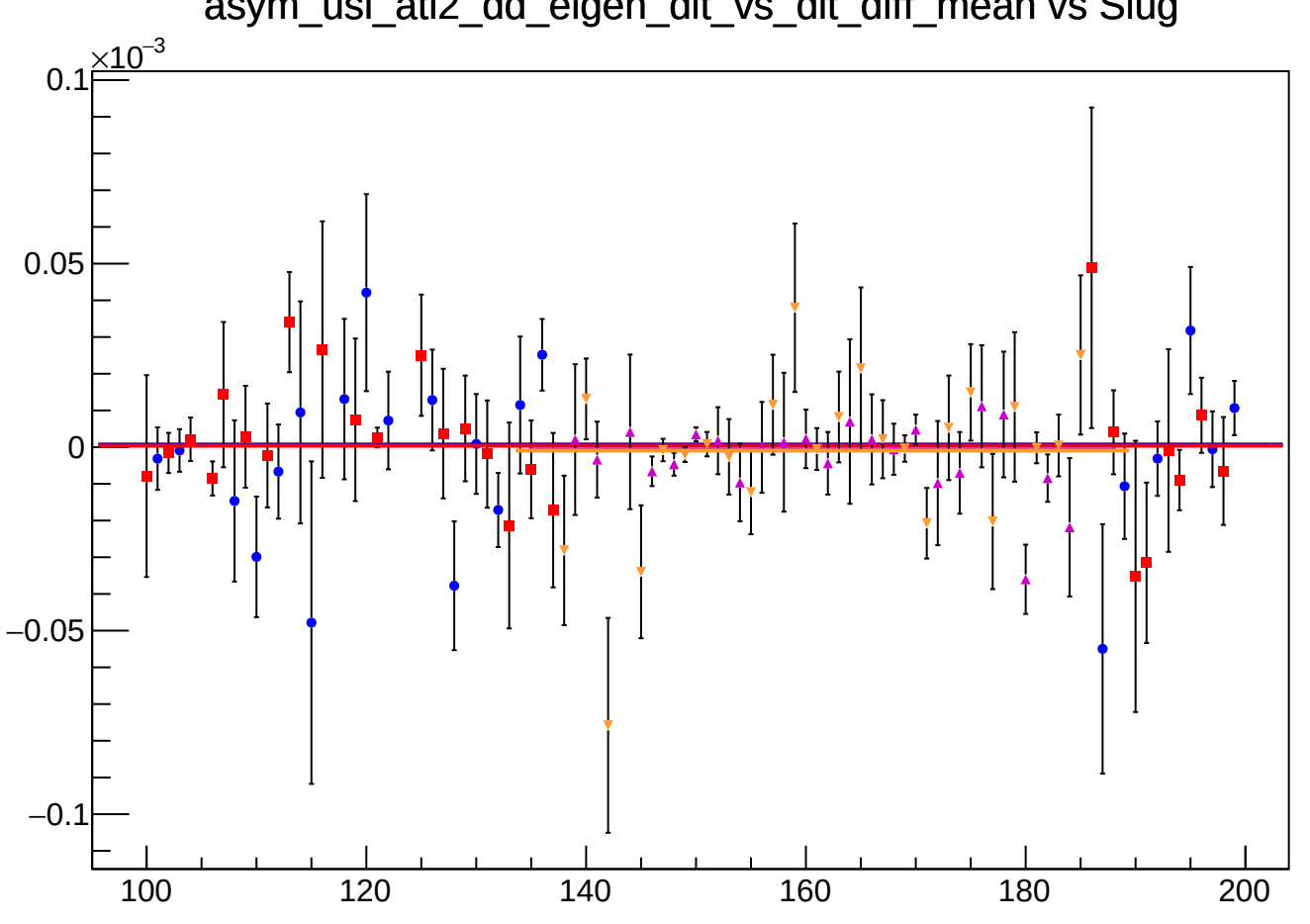
Right Out: 97.624+/-0.022 χ^2/NDF: 2893629.4/25

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

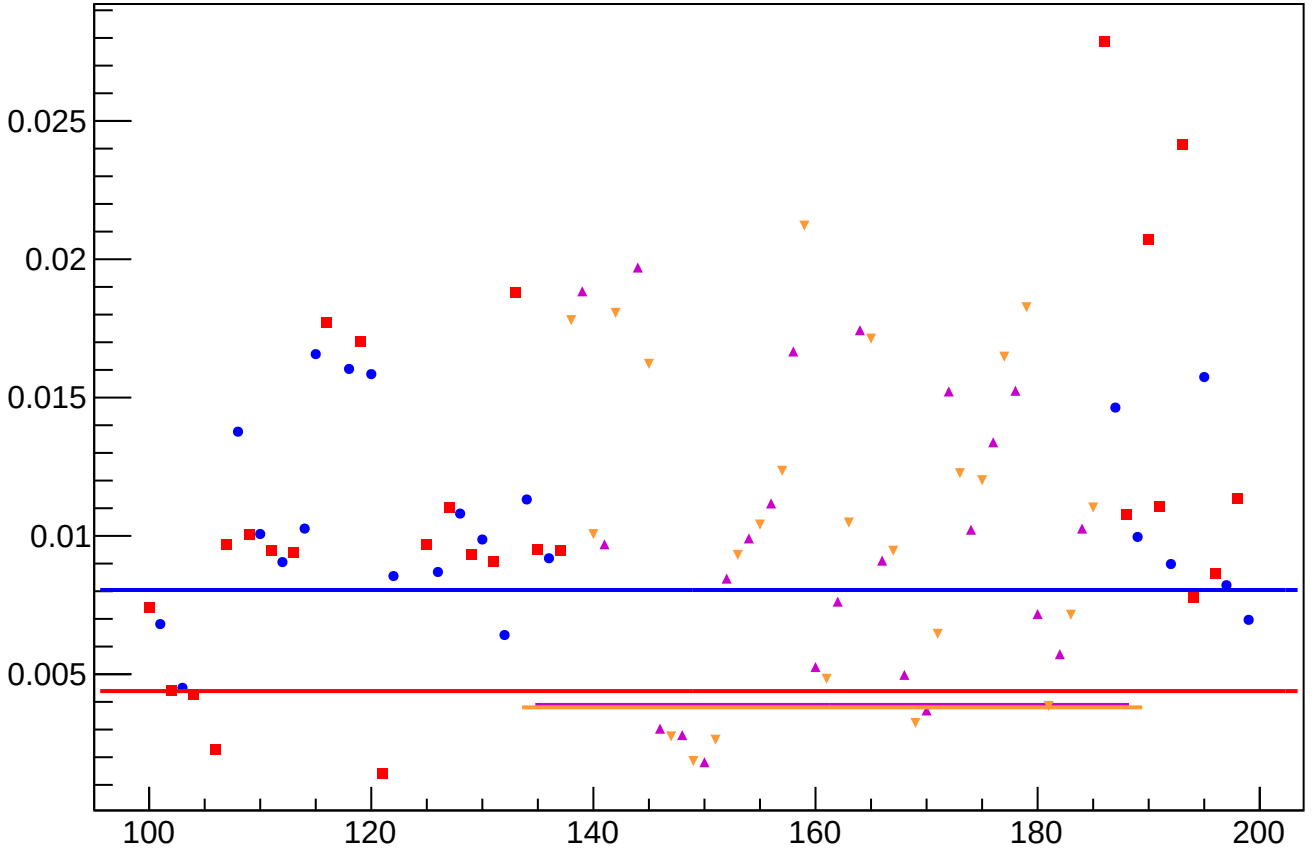
+ sign 148.190+/-0.023 χ^2/NDF: 16617781.8/45

All: 135.278+/-0.015 χ^2/NDF: 36716253.4/94

- 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: 32.6/21
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: 62.1/45
All: -0.000+/-0.000 χ²/NDF: 114.7/94
- sign -0.000+/-0.000 χ²/NDF: 52.5/48

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2287582.7/21

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 10668254.7/25

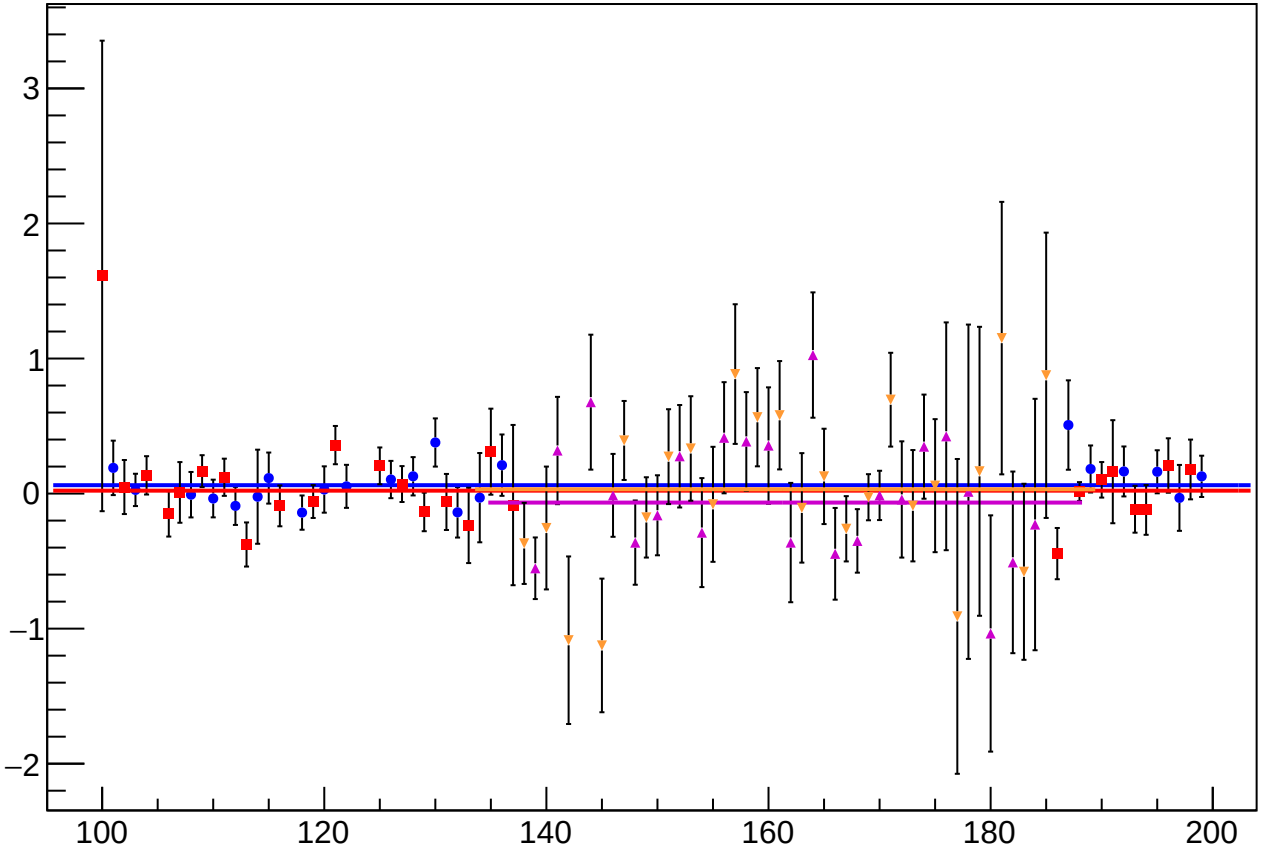
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 21357097.5/45

All: 0.004+/-0.000 χ^2/NDF: 45877736.8/94

- 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: 0.062+/-0.036 χ^2/NDF: 13.5/21

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

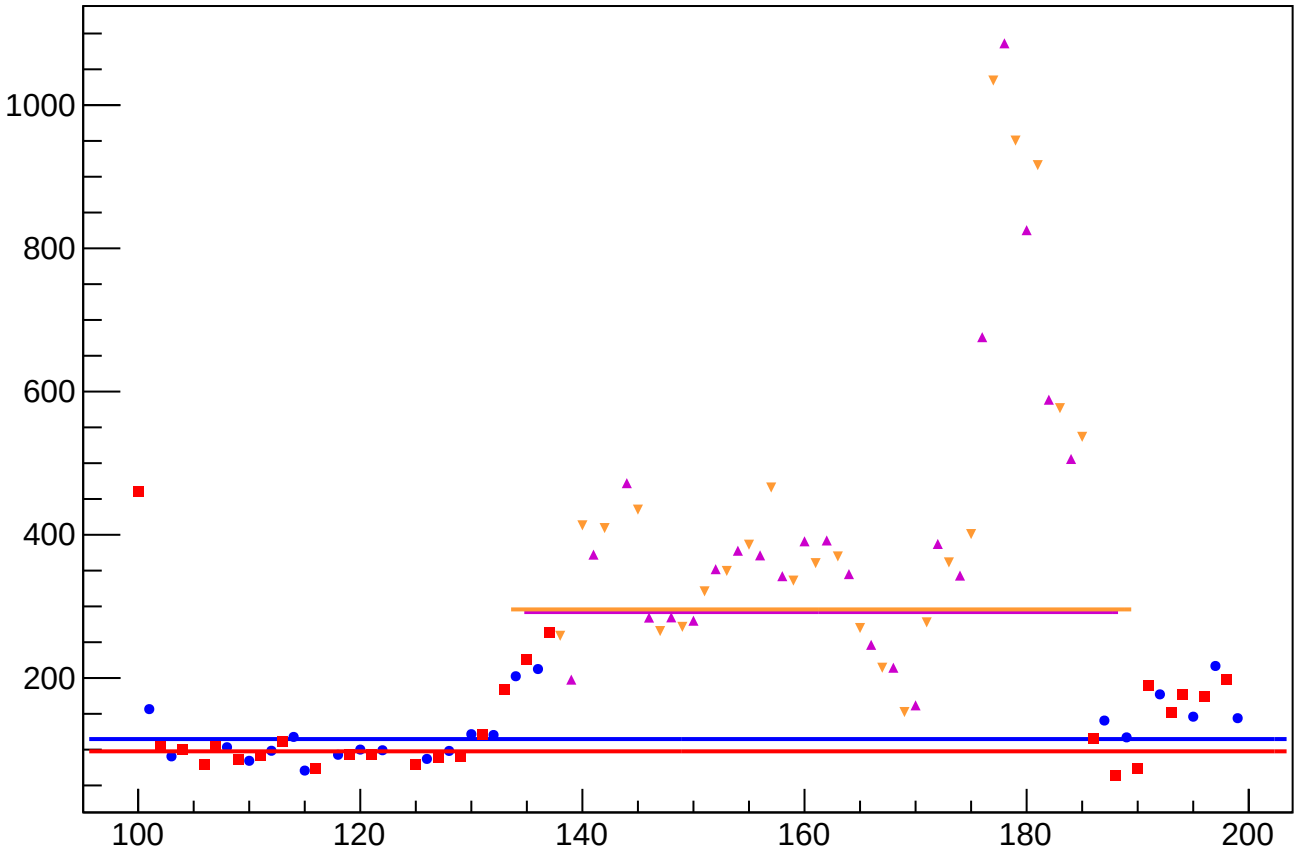
Right Out: 0.022+/-0.031 χ^2/NDF: 31.3/25

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.057+/-0.033 χ^2/NDF: 43.4/45

All: 0.029+/-0.021 χ^2/NDF: 102.8/94

- sign 0.009+/-0.028 χ^2/NDF: 58.2/48



Right In: 114.757+/-0.026 χ^2/NDF: 1864720.2/21

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

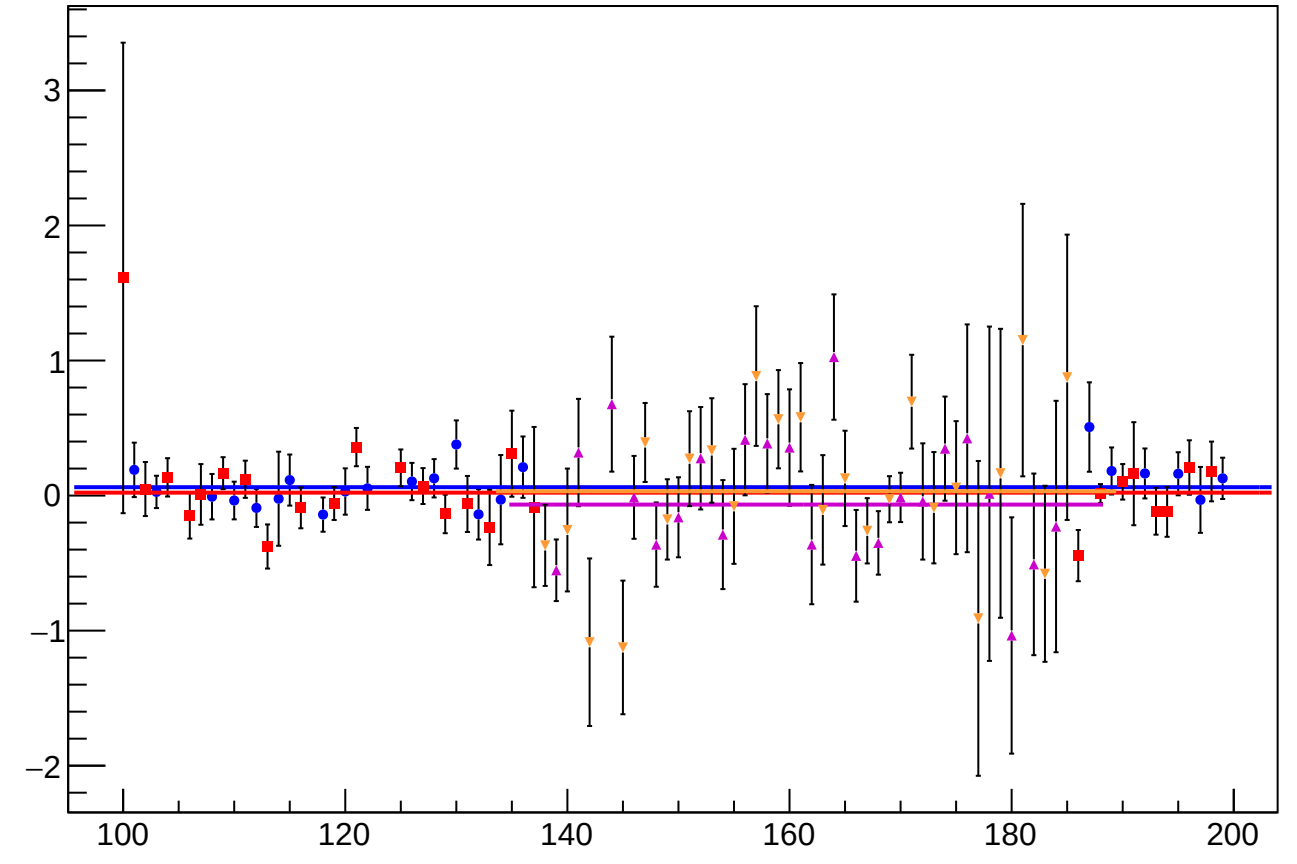
Right Out: 97.623+/-0.022 χ^2/NDF: 2893745.0/25

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.191+/-0.023 χ^2/NDF: 16617813.8/45

All: 135.277+/-0.015 χ^2/NDF: 36716871.1/94

- sign 125.566+/-0.020 χ^2/NDF: 19551323.0/48



Right In: 0.062+/-0.036 χ^2/NDF: 13.5/21

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

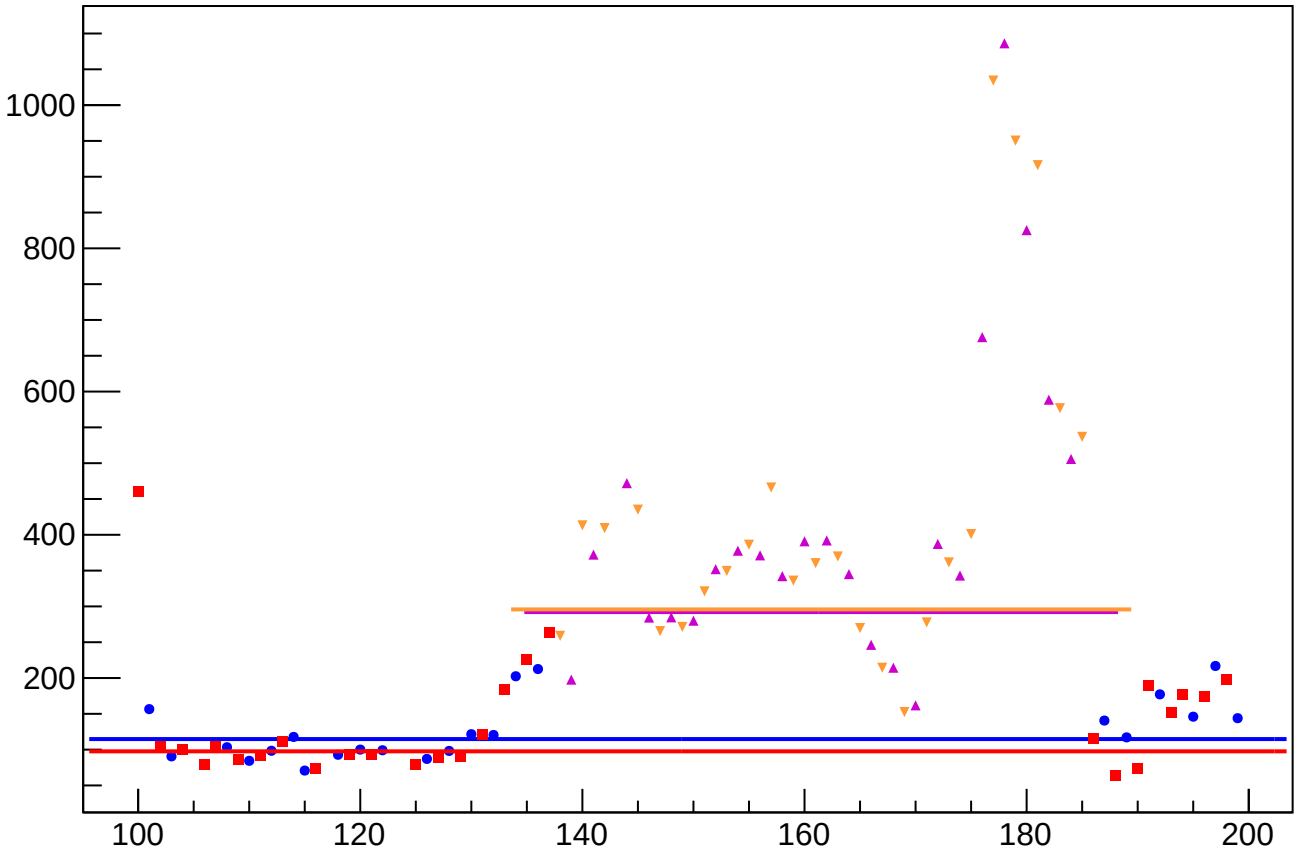
Right Out: 0.022+/-0.031 χ^2/NDF: 31.3/25

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.057+/-0.033 χ^2/NDF: 43.4/45

All: 0.029+/-0.021 χ^2/NDF: 102.8/94

- sign 0.009+/-0.028 χ^2/NDF: 58.2/48



Right In: 114.757+/-0.026 χ^2/NDF: 1864720.2/21

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

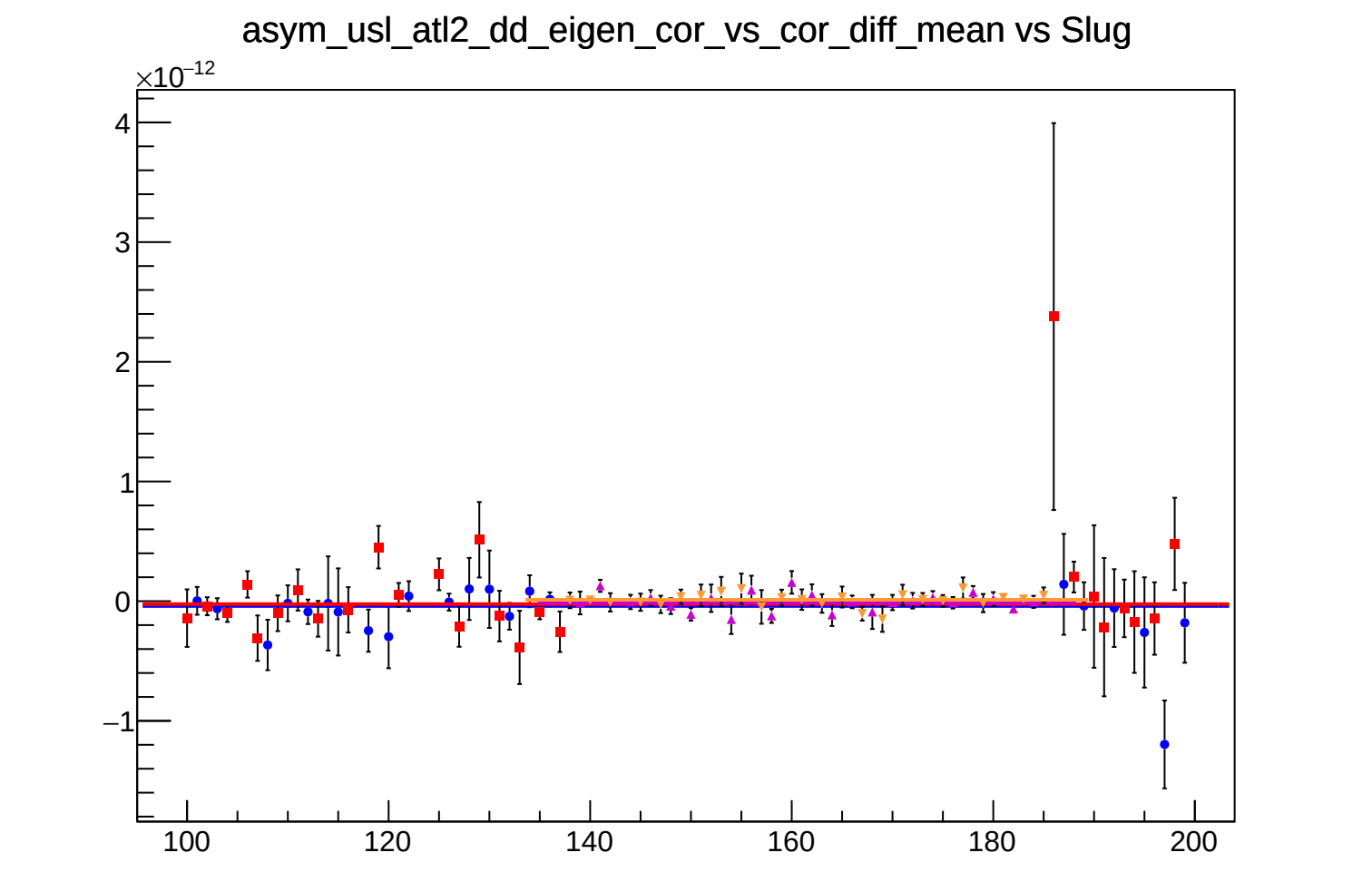
Right Out: 97.623+/-0.022 χ^2/NDF: 2893745.0/25

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.191+/-0.023 χ^2/NDF: 16617813.8/45

All: 135.277+/-0.015 χ^2/NDF: 36716871.1/94

- sign 125.566+/-0.020 χ^2/NDF: 19551323.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

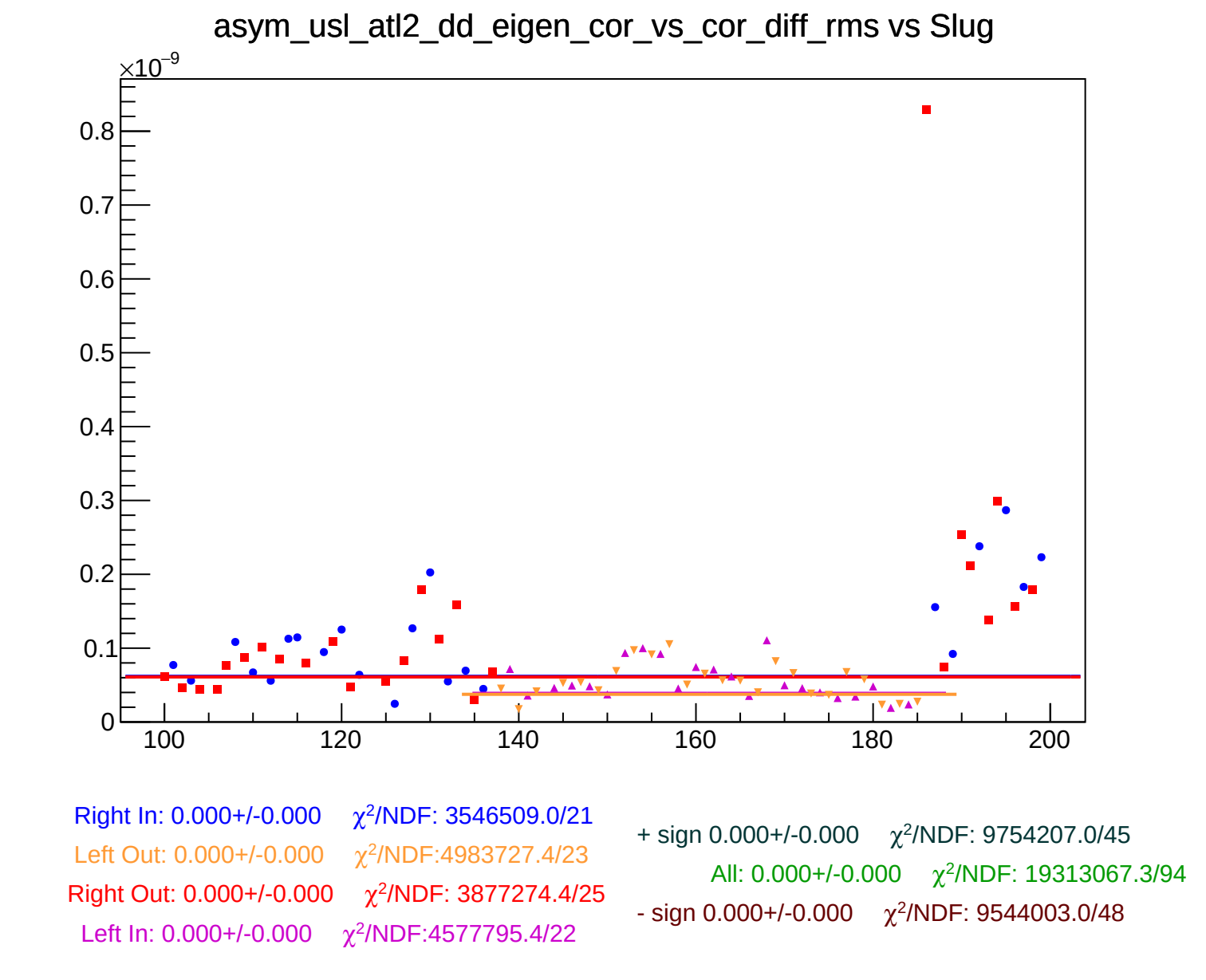
Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/25

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

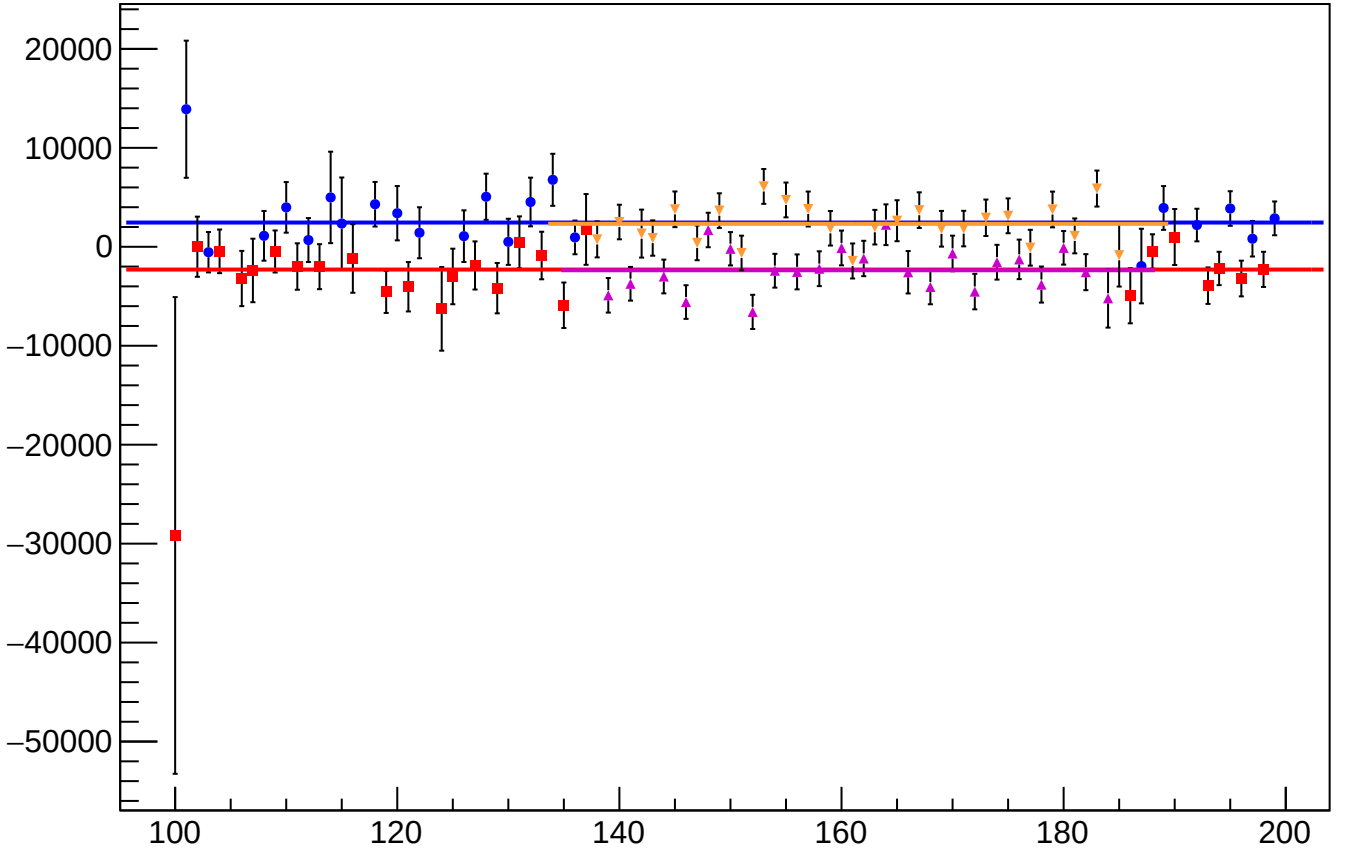
+ sign 0.000+/-0.000 χ^2/NDF: 32.5/45

All: -0.000+/-0.000 χ^2/NDF: 99.9/94

- sign -0.000+/-0.000 χ^2/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: 3546509.0/21
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: 9754207.0/45
All: 0.000+/-0.000 χ²/NDF: 19313067.3/94
- sign 0.000+/-0.000 χ²/NDF: 9544003.0/48

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2450.746+/-491.413 χ^2/NDF: 17.2/21

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2300.018+/-468.804 χ^2/NDF: 16.2/25

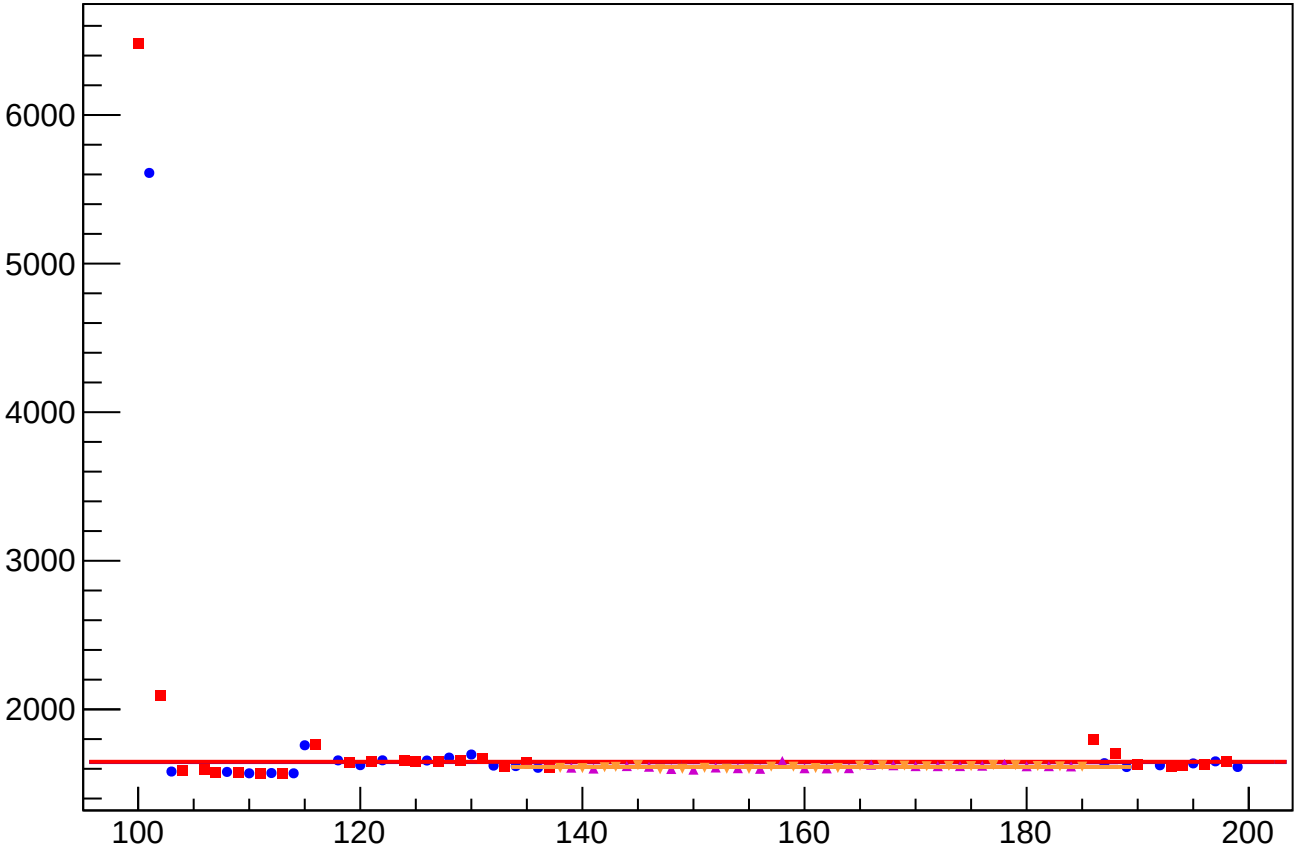
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2367.385+/-293.687 χ^2/NDF: 44.8/46

All: 12.276+/-207.670 χ^2/NDF: 223.4/95

- sign -2342.917+/-293.693 χ^2/NDF: 50.0/48

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.472+/-0.347 χ^2/NDF: 668490.0/21

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1647.139+/-0.331 χ^2/NDF: 145836.3/25

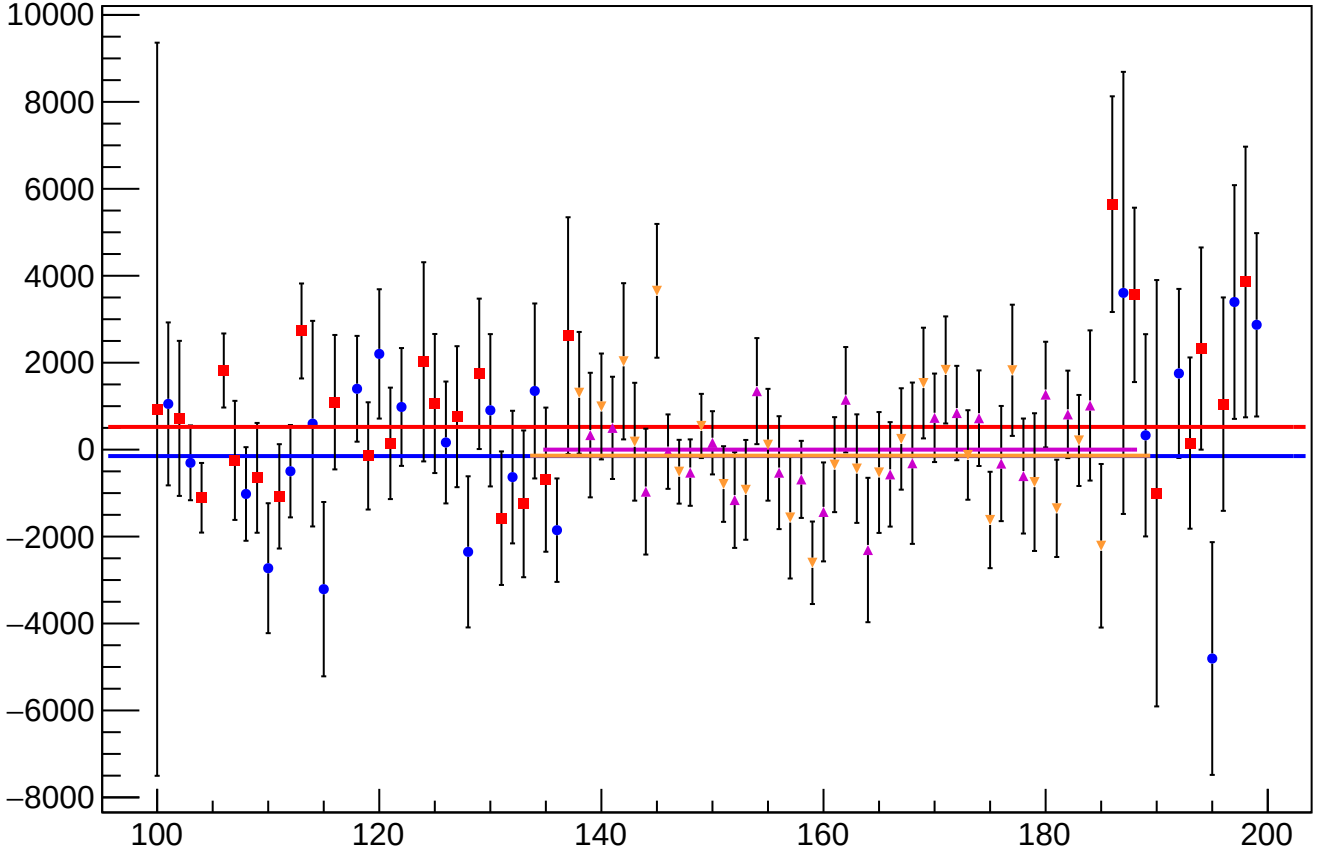
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.346+/-0.208 χ^2/NDF: 675412.7/46

All: 1625.613+/-0.147 χ^2/NDF: 829825.7/95

- sign 1626.880+/-0.208 χ^2/NDF: 154338.5/48

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -148.345+/-324.976 χ^2/NDF: 24.5/21

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 522.450+/-296.524 χ^2/NDF: 27.7/25

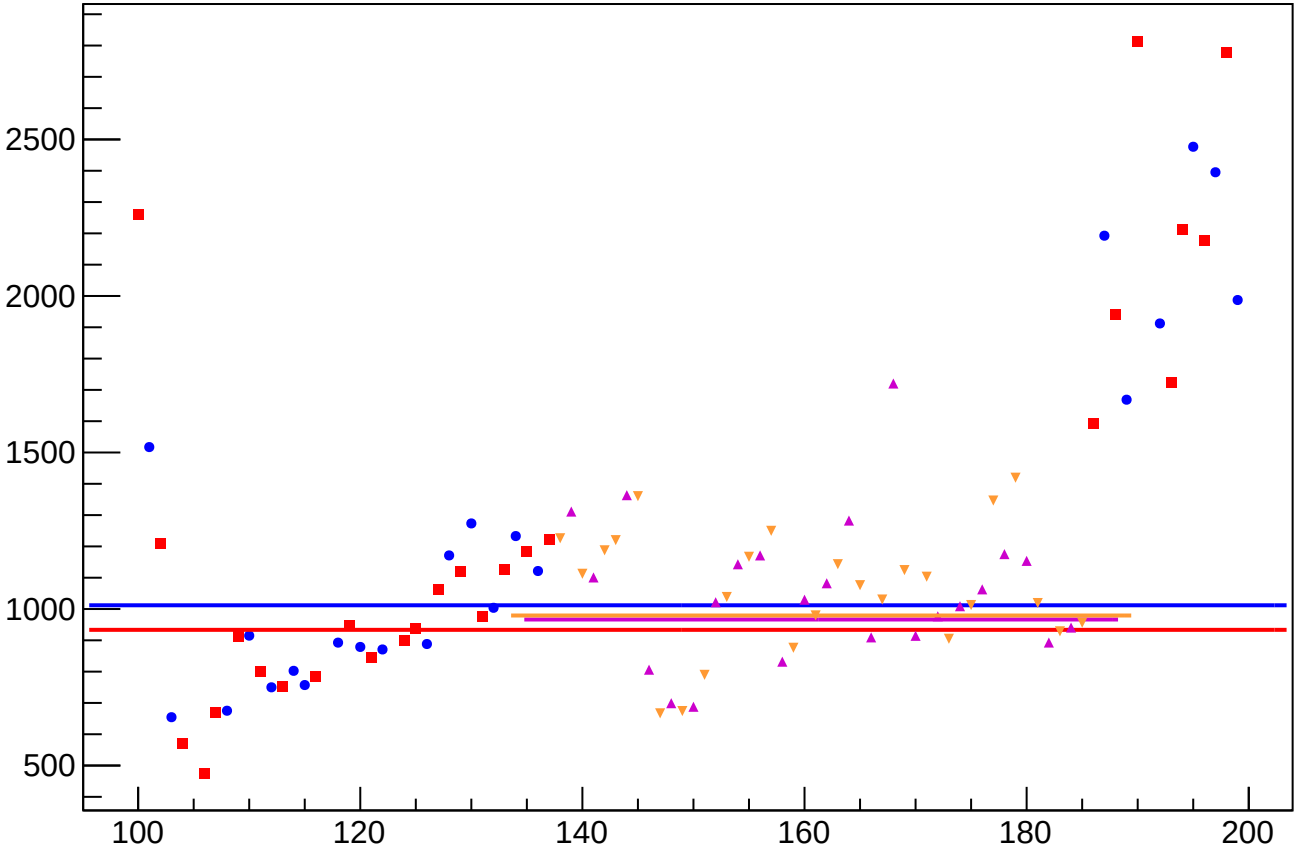
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -142.117+/-187.262 χ^2/NDF: 54.7/46

All: 32.331+/-130.761 χ^2/NDF: 98.8/95

- sign 198.334+/-182.672 χ^2/NDF: 42.5/48

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1011.942+/-0.230 χ^2/NDF: 3290787.6/21

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

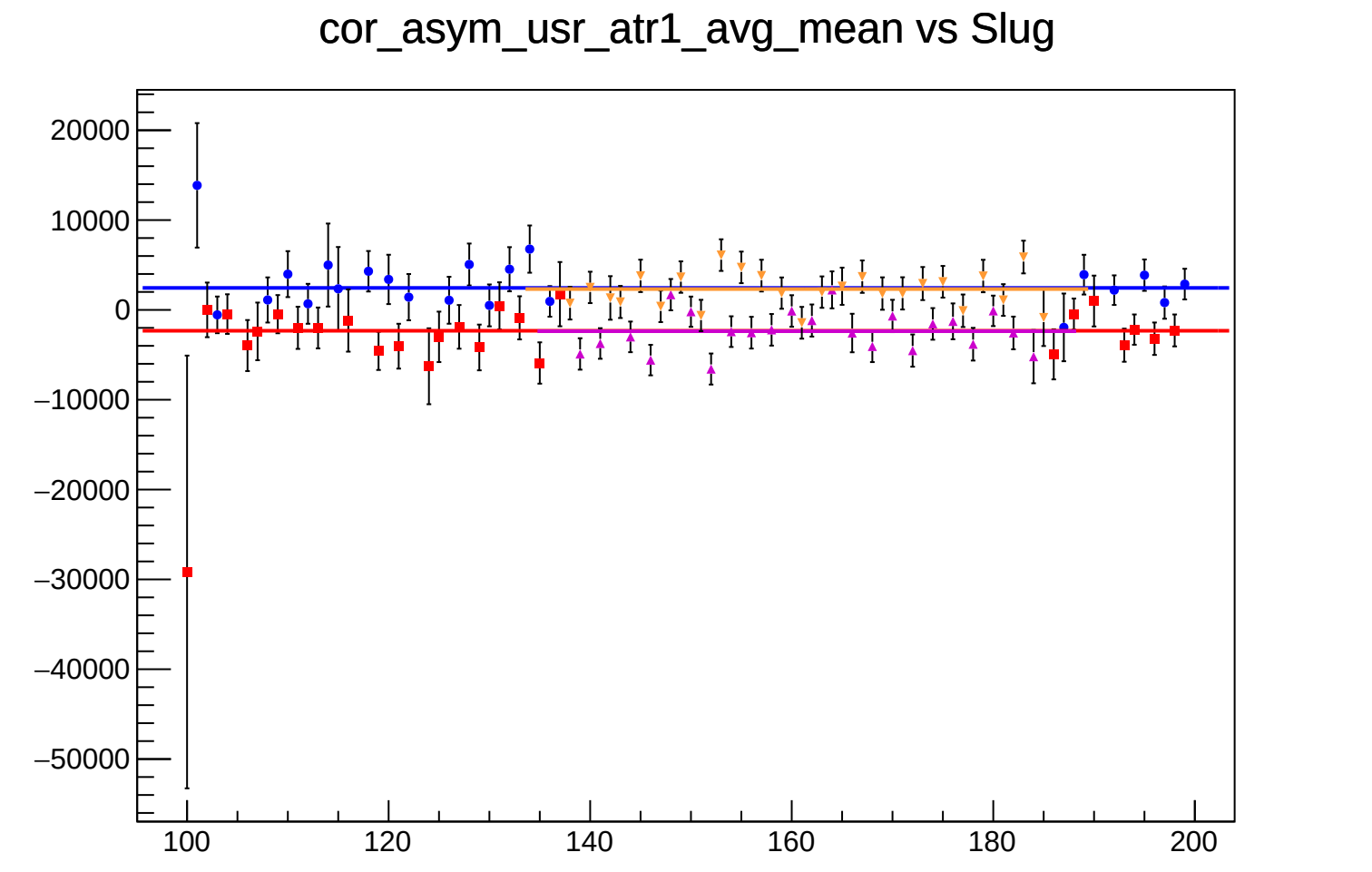
Right Out: 933.479+/-0.210 χ^2/NDF: 4483675.6/25

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

\+ sign 990.135+/-0.132 χ^2/NDF: 4934893.5/46

All: 971.611+/-0.092 χ^2/NDF: 11074770.5/95

\- sign 953.984+/-0.129 χ^2/NDF: 6101685.1/48



Right In: 2450.433+/-491.413 χ^2/NDF: 17.2/21

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2320.100+/-469.032 χ^2/NDF: 16.5/25

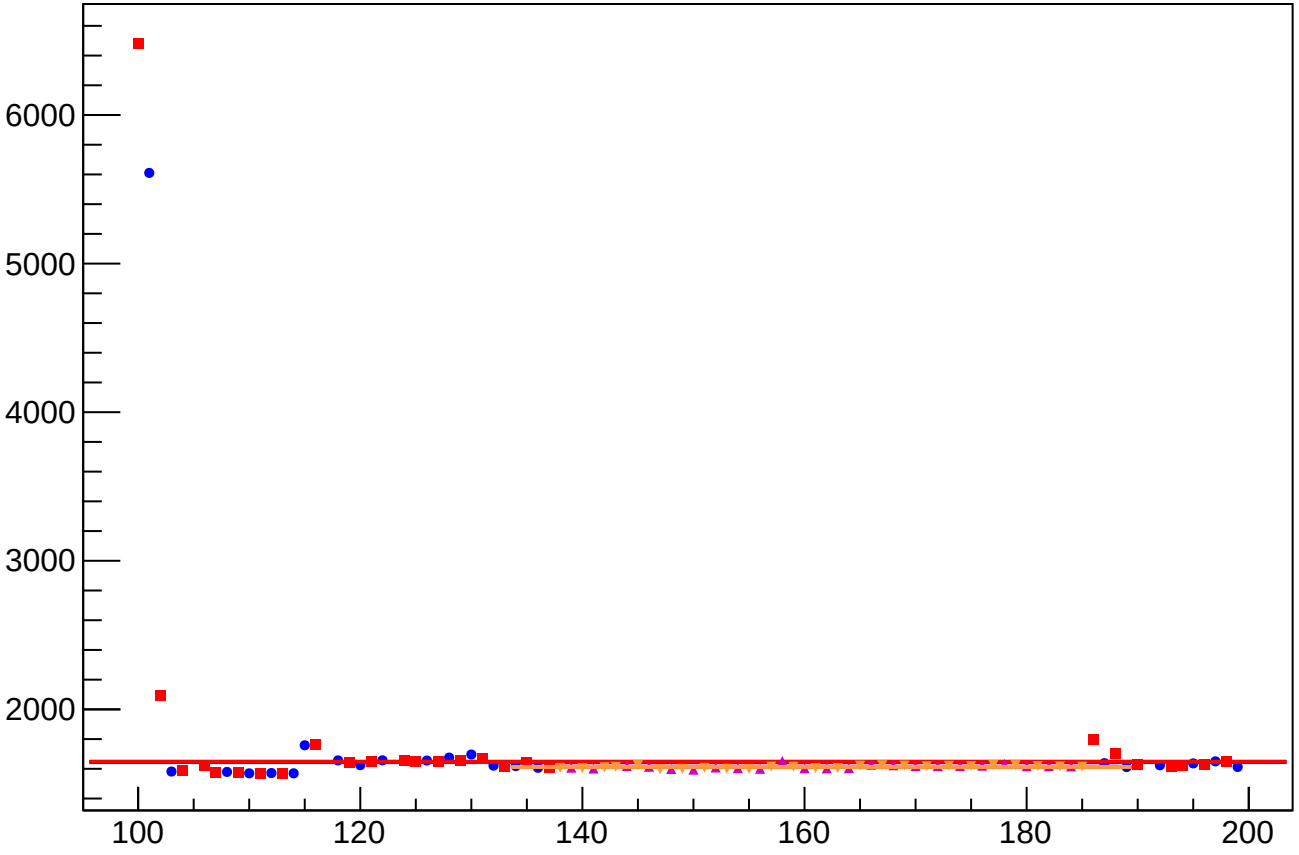
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2367.246+/-293.687 χ^2/NDF: 44.7/46

All: 8.688+/-207.690 χ^2/NDF: 224.0/95

- sign -2350.853+/-293.749 χ^2/NDF: 50.2/48

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.472+/-0.347 χ^2/NDF: 668489.5/21

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

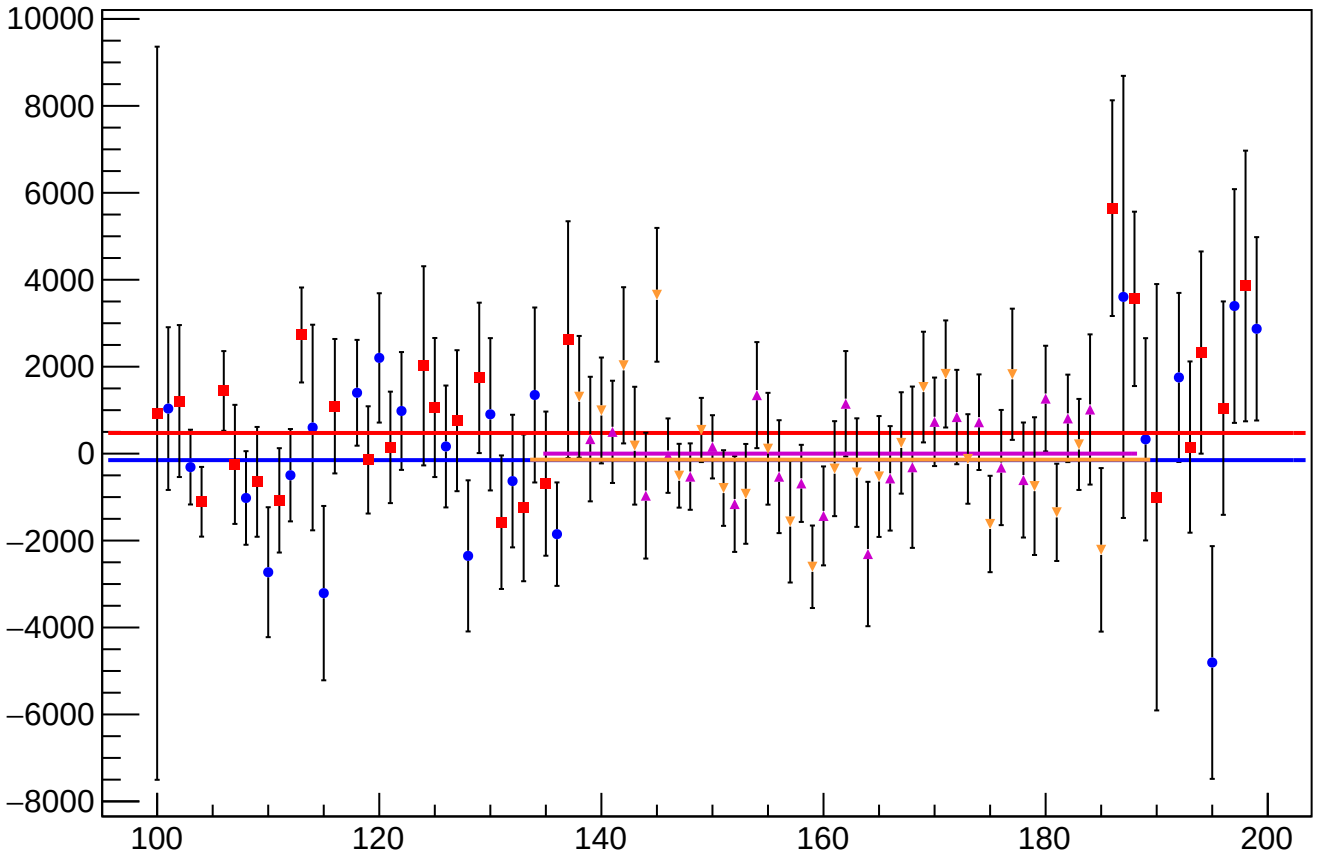
Right Out: 1647.914+/-0.332 χ^2/NDF: 145273.1/25

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.346+/-0.208 χ^2/NDF: 675412.2/46

All: 1625.761+/-0.147 χ^2/NDF: 829565.5/95

- sign 1627.176+/-0.208 χ^2/NDF: 154060.4/48



Right In: -149.575+/-324.938 χ^2/NDF: 24.5/21

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

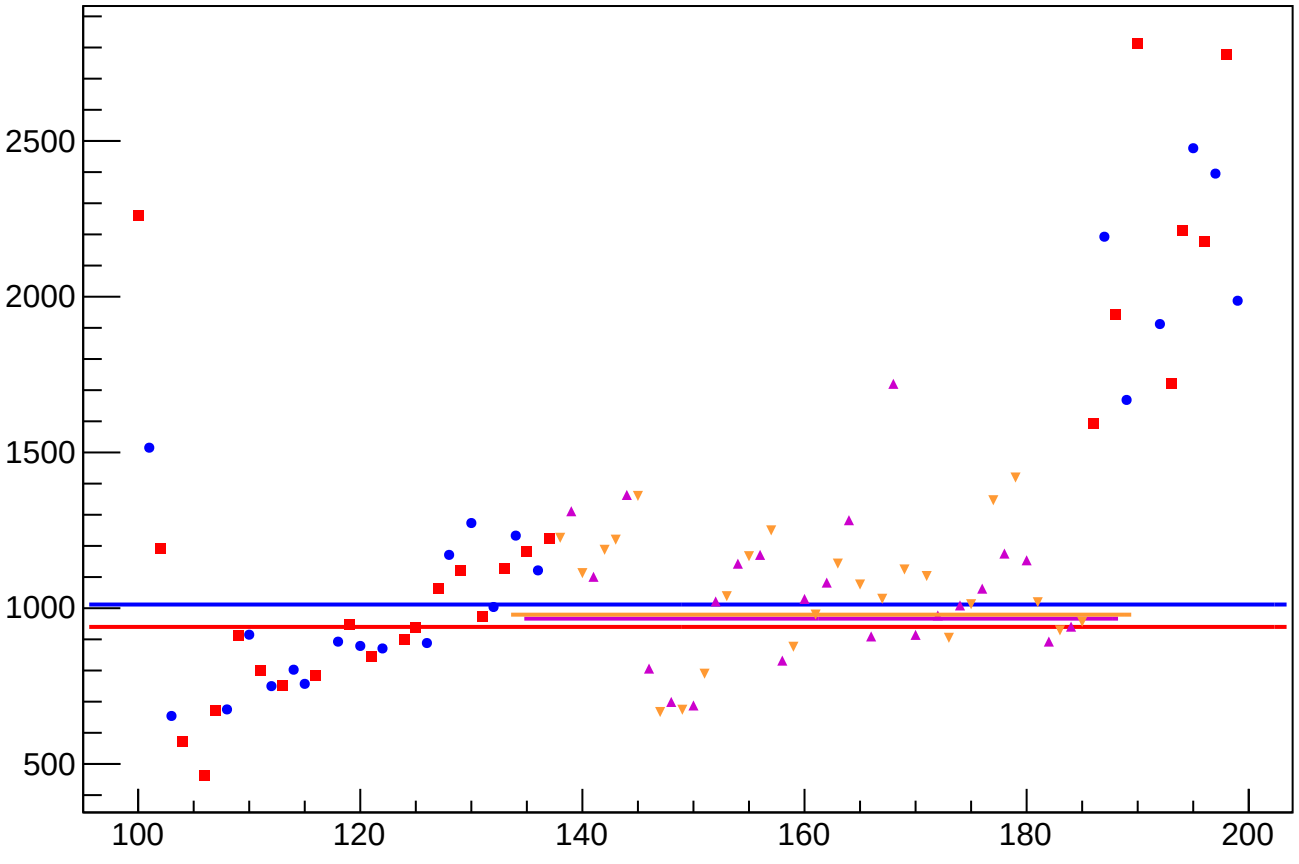
Right Out: 475.319+/-298.878 χ^2/NDF: 26.5/25

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -142.561+/-187.254 χ^2/NDF: 54.7/46

All: 21.550+/-130.959 χ^2/NDF: 97.1/95

- sign 178.666+/-183.219 χ^2/NDF: 40.9/48



Right In: 1011.824+/-0.230 χ^2/NDF: 3291041.6/21

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

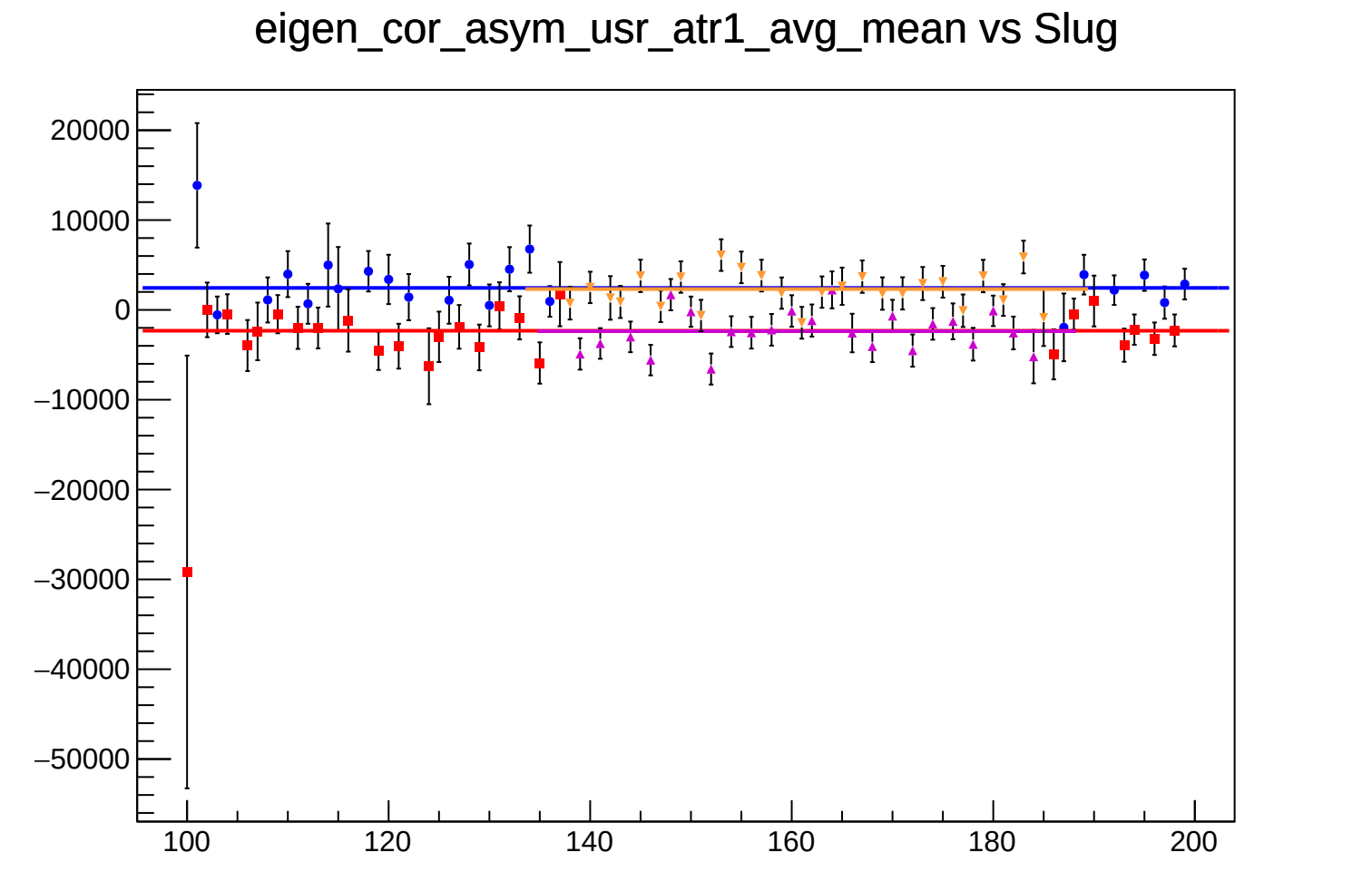
Right Out: 939.945+/-0.211 χ^2/NDF: 4421838.8/25

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 990.093+/-0.132 χ^2/NDF: 4935165.4/46

All: 972.951+/-0.093 χ^2/NDF: 11002250.3/95

- sign 956.540+/-0.130 χ^2/NDF: 6034279.2/48



Right In: 2450.433+/-491.413 χ^2/NDF: 17.2/21

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2320.100+/-469.032 χ^2/NDF: 16.5/25

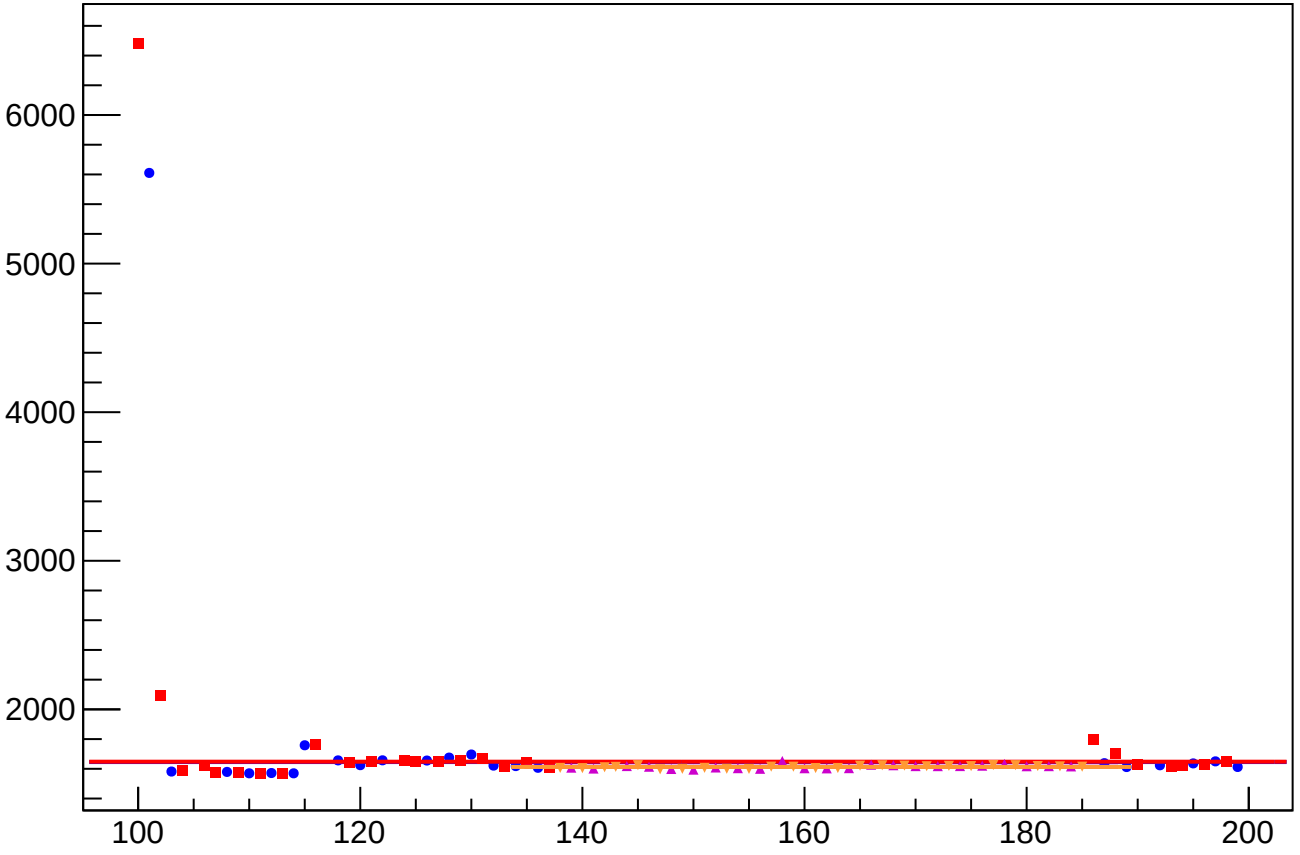
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2367.246+/-293.687 χ^2/NDF: 44.7/46

All: 8.688+/-207.690 χ^2/NDF: 224.0/95

- sign -2350.853+/-293.749 χ^2/NDF: 50.2/48

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.472+/-0.347 χ^2/NDF: 668489.5/21

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

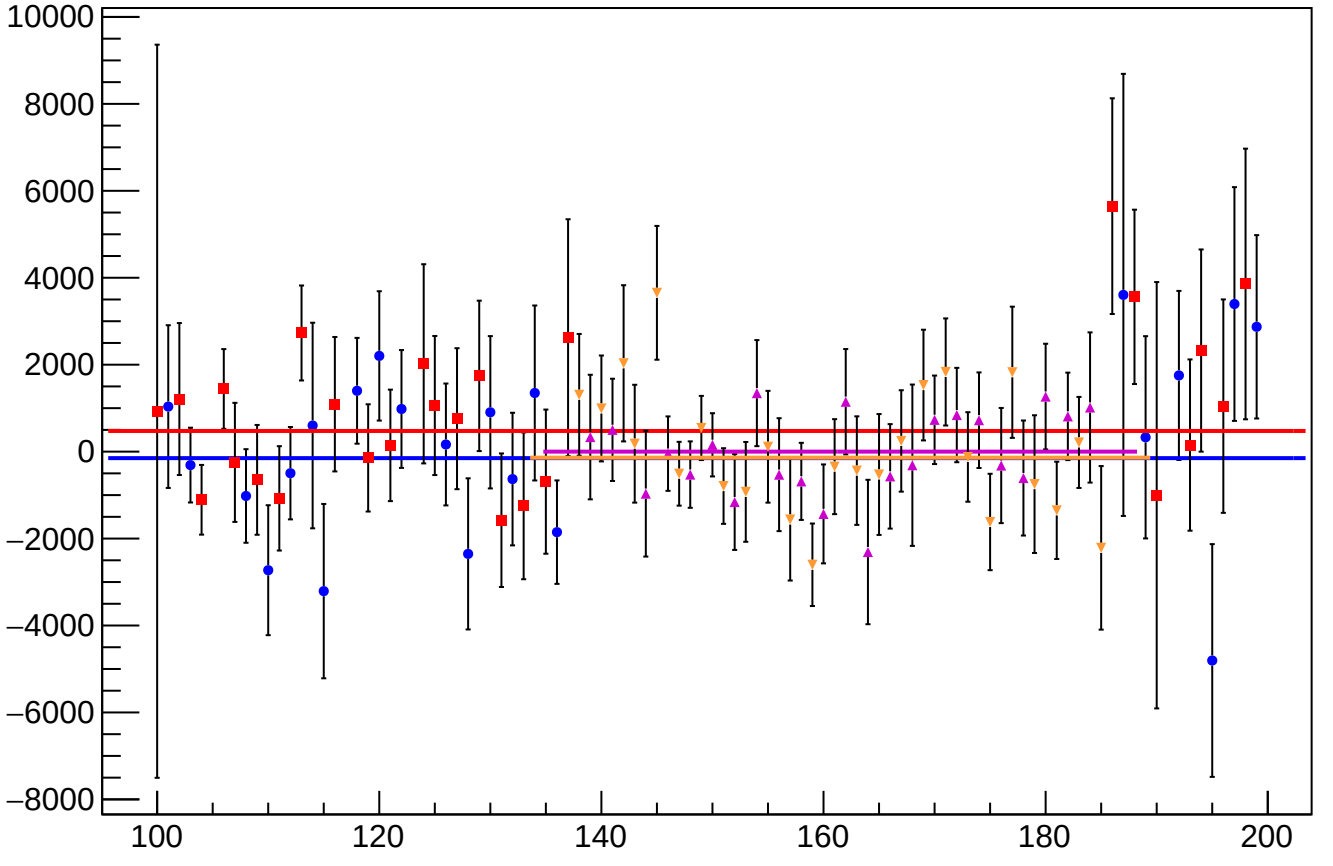
Right Out: 1647.914+/-0.332 χ^2/NDF: 145273.1/25

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.346+/-0.208 χ^2/NDF: 675412.2/46

All: 1625.761+/-0.147 χ^2/NDF: 829565.5/95

- sign 1627.176+/-0.208 χ^2/NDF: 154060.4/48



Right In: -149.575+/-324.938 χ^2/NDF: 24.5/21

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

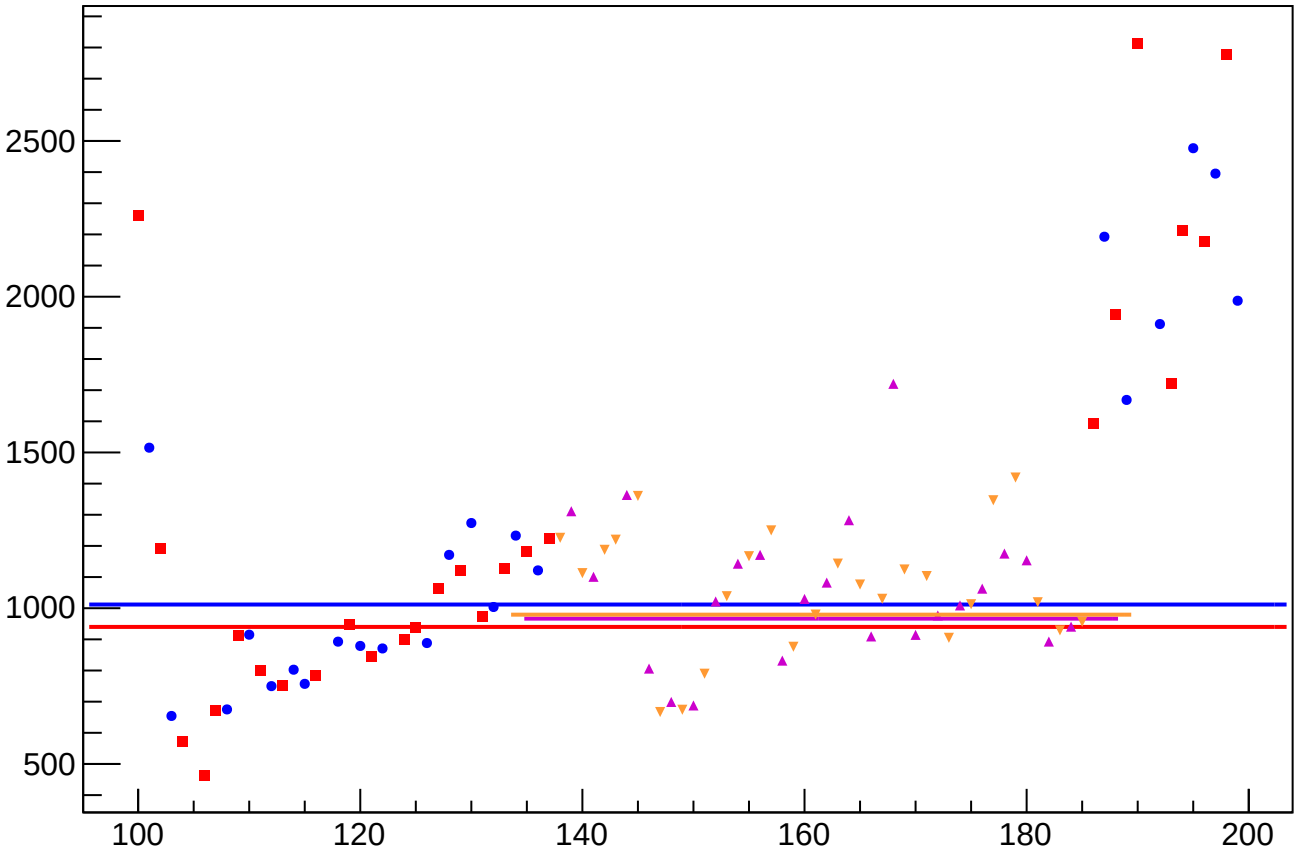
Right Out: 475.319+/-298.878 χ^2/NDF: 26.5/25

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -142.561+/-187.254 χ^2/NDF: 54.7/46

All: 21.550+/-130.959 χ^2/NDF: 97.1/95

- sign 178.666+/-183.219 χ^2/NDF: 40.9/48



Right In: 1011.824+/-0.230 χ^2/NDF: 3291041.6/21

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

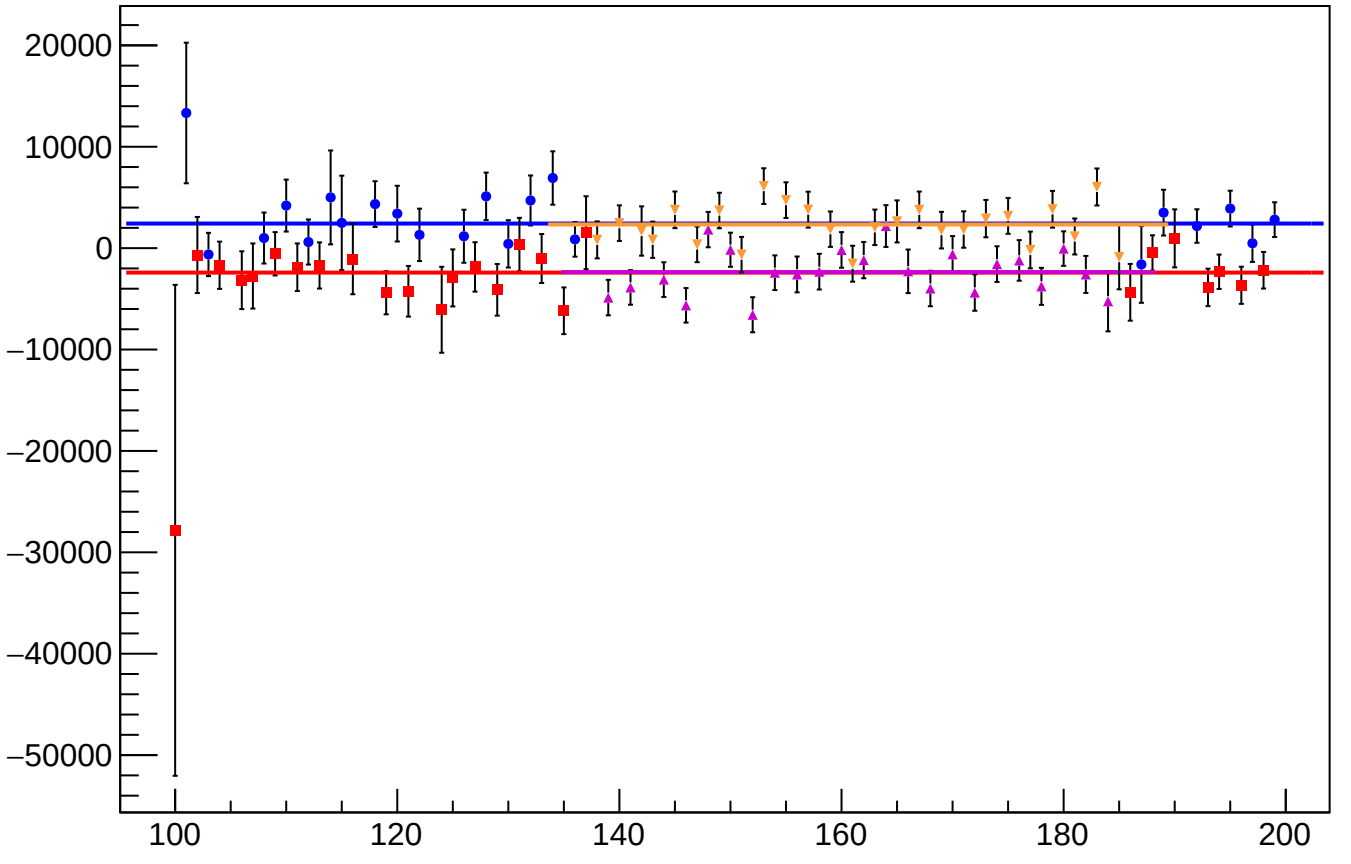
Right Out: 939.945+/-0.211 χ^2/NDF: 4421838.8/25

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 990.093+/-0.132 χ^2/NDF: 4935165.4/46

All: 972.951+/-0.093 χ^2/NDF: 11002250.3/95

- sign 956.540+/-0.130 χ^2/NDF: 6034279.2/48



Right In: 2425.419+/-495.145 χ^2/NDF: 17.5/21

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2410.596+/-474.075 χ^2/NDF: 14.8/25

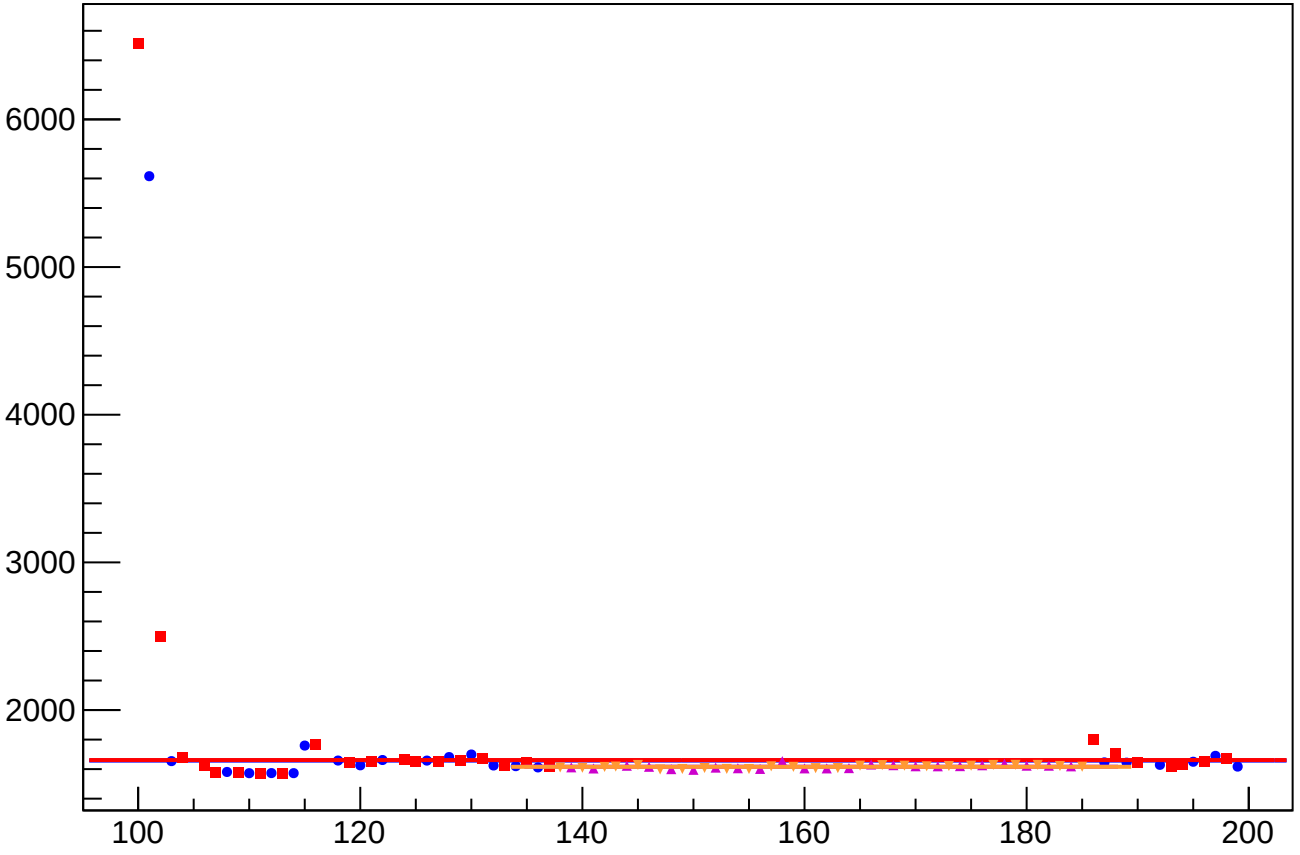
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2366.956+/-294.836 χ^2/NDF: 45.7/46

All: -2.983+/-208.632 χ^2/NDF: 224.0/95

- sign -2379.803+/-295.264 χ^2/NDF: 48.8/48

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1657.876+/-0.350 χ^2/NDF: 665765.9/21

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1661.466+/-0.335 χ^2/NDF: 201550.7/25

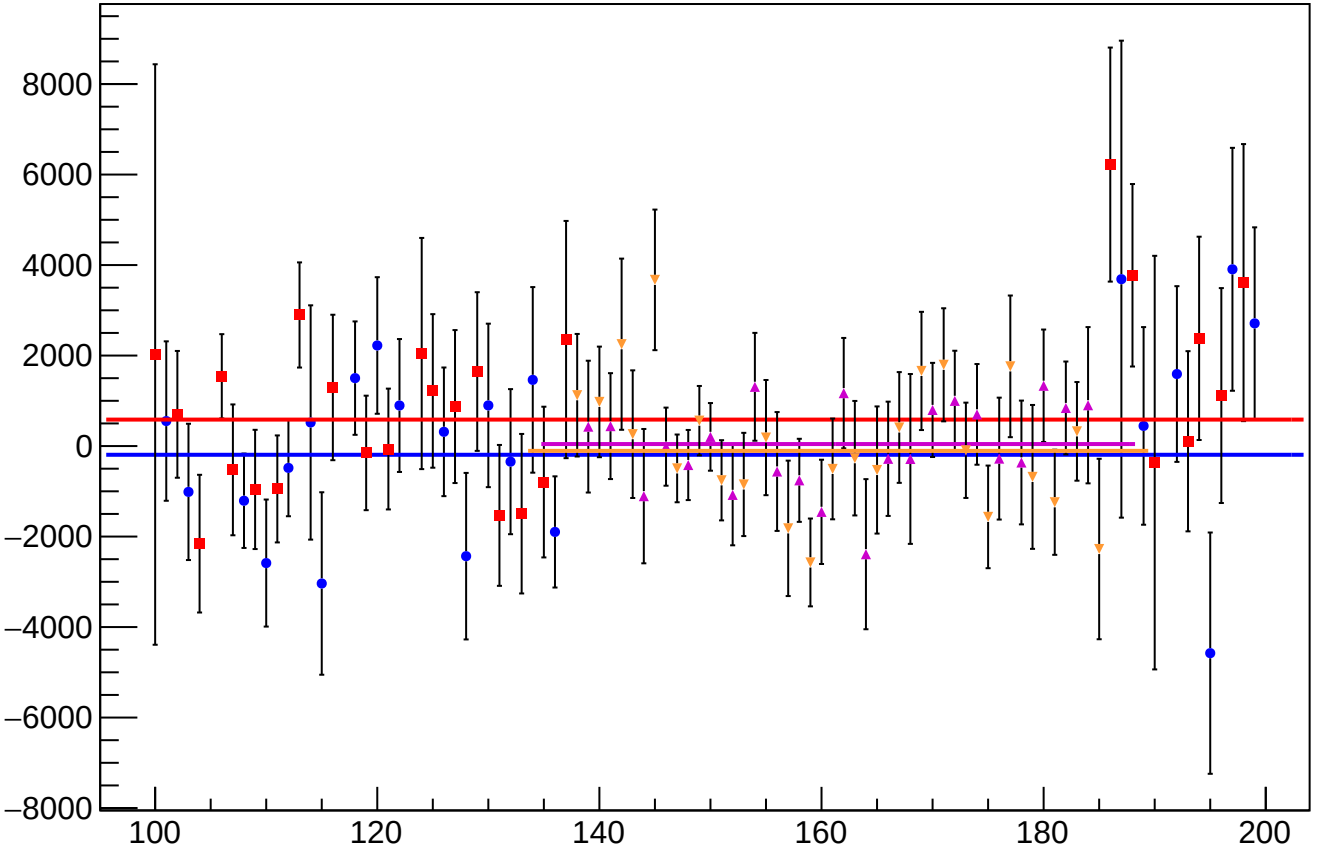
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.611+/-0.208 χ^2/NDF: 676608.5/46

All: 1632.232+/-0.148 χ^2/NDF: 891919.8/95

- sign 1633.857+/-0.209 χ^2/NDF: 215190.2/48

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -192.660+/-345.055 χ^2/NDF: 24.4/21

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 584.851+/-319.489 χ^2/NDF: 27.0/25

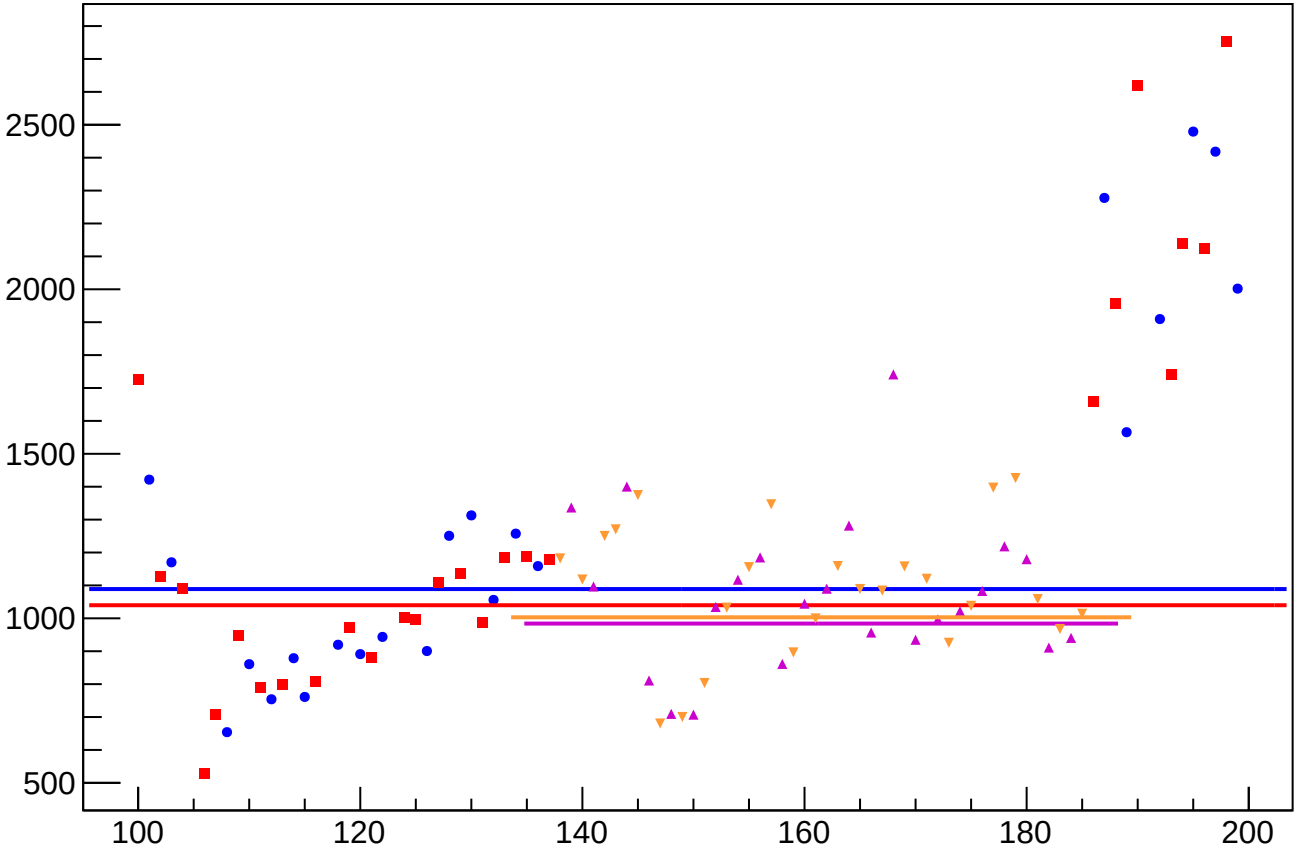
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -133.580+/-193.840 χ^2/NDF: 53.4/46

All: 54.678+/-135.574 χ^2/NDF: 96.9/95

- sign 234.956+/-189.687 χ^2/NDF: 41.6/48

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1088.947+/-0.244 χ^2/NDF: 2891759.9/21

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1039.800+/-0.226 χ^2/NDF: 3590135.9/25

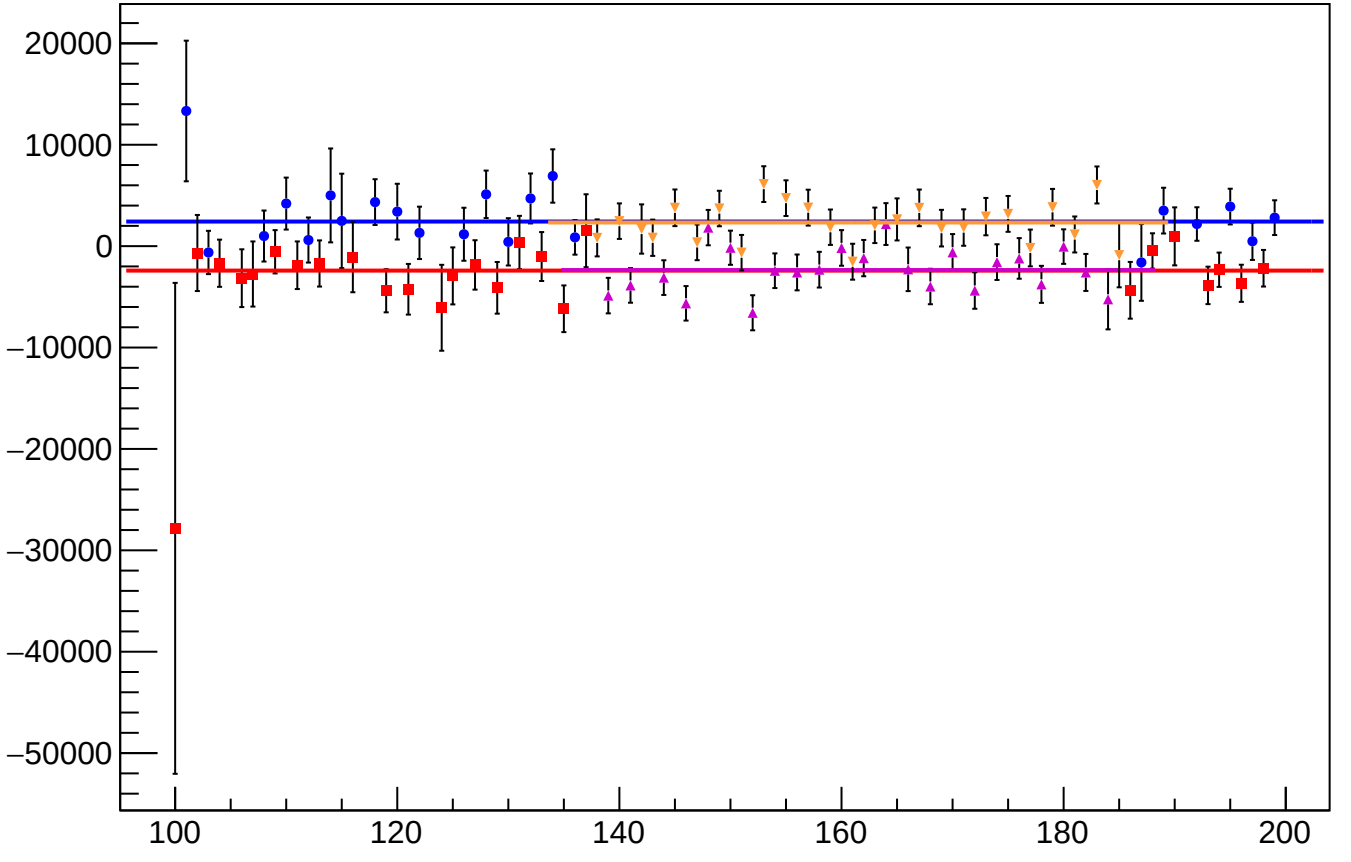
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1030.192+/-0.137 χ^2/NDF: 4574900.9/46

All: 1016.661+/-0.096 χ^2/NDF: 9783101.8/95

- sign 1003.704+/-0.134 χ^2/NDF: 5189123.6/48

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2425.418+/-495.145 χ^2/NDF: 17.5/21

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2410.594+/-474.075 χ^2/NDF: 14.8/25

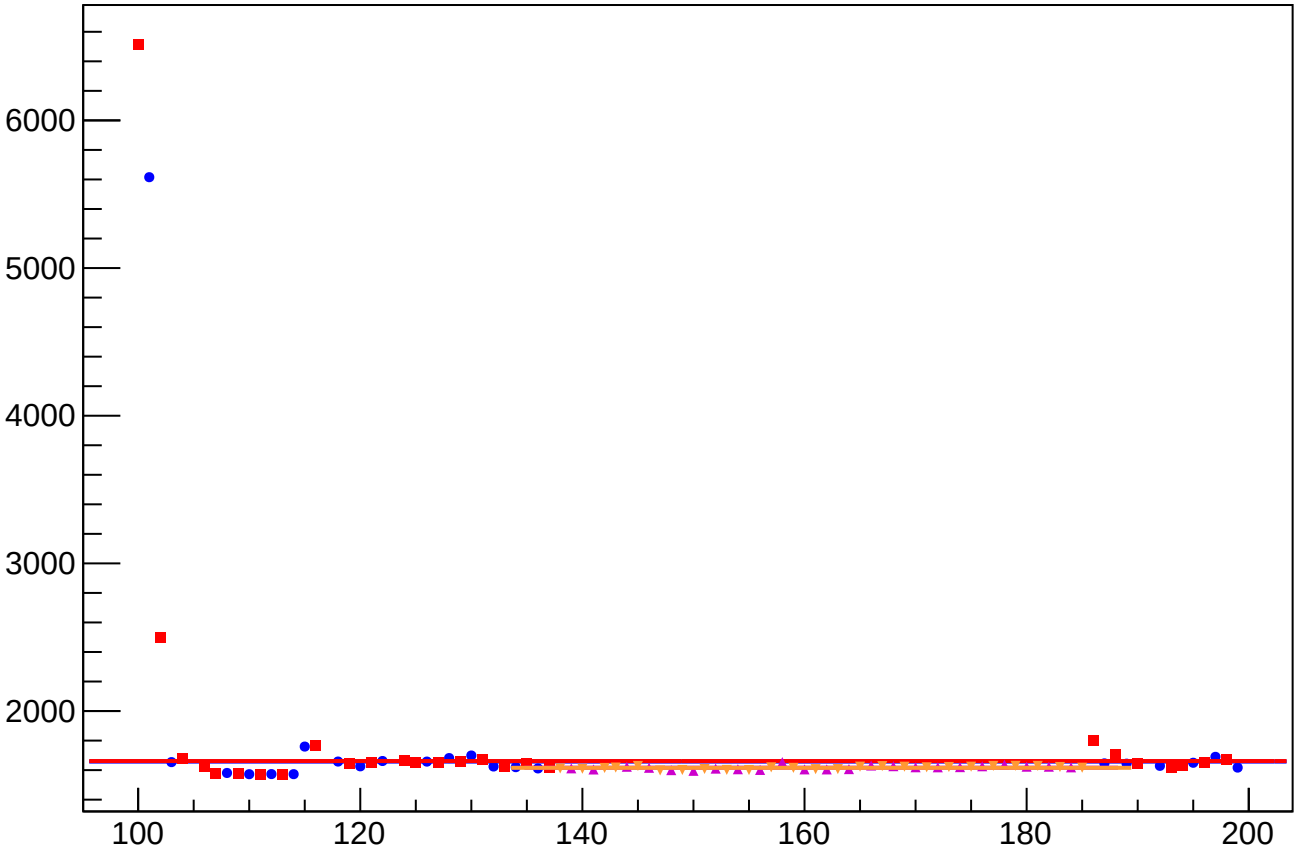
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2366.956+/-294.836 χ^2/NDF: 45.7/46

All: -2.982+/-208.632 χ^2/NDF: 224.0/95

- sign -2379.803+/-295.264 χ^2/NDF: 48.8/48

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1657.876+/-0.350 χ^2/NDF: 665765.9/21

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

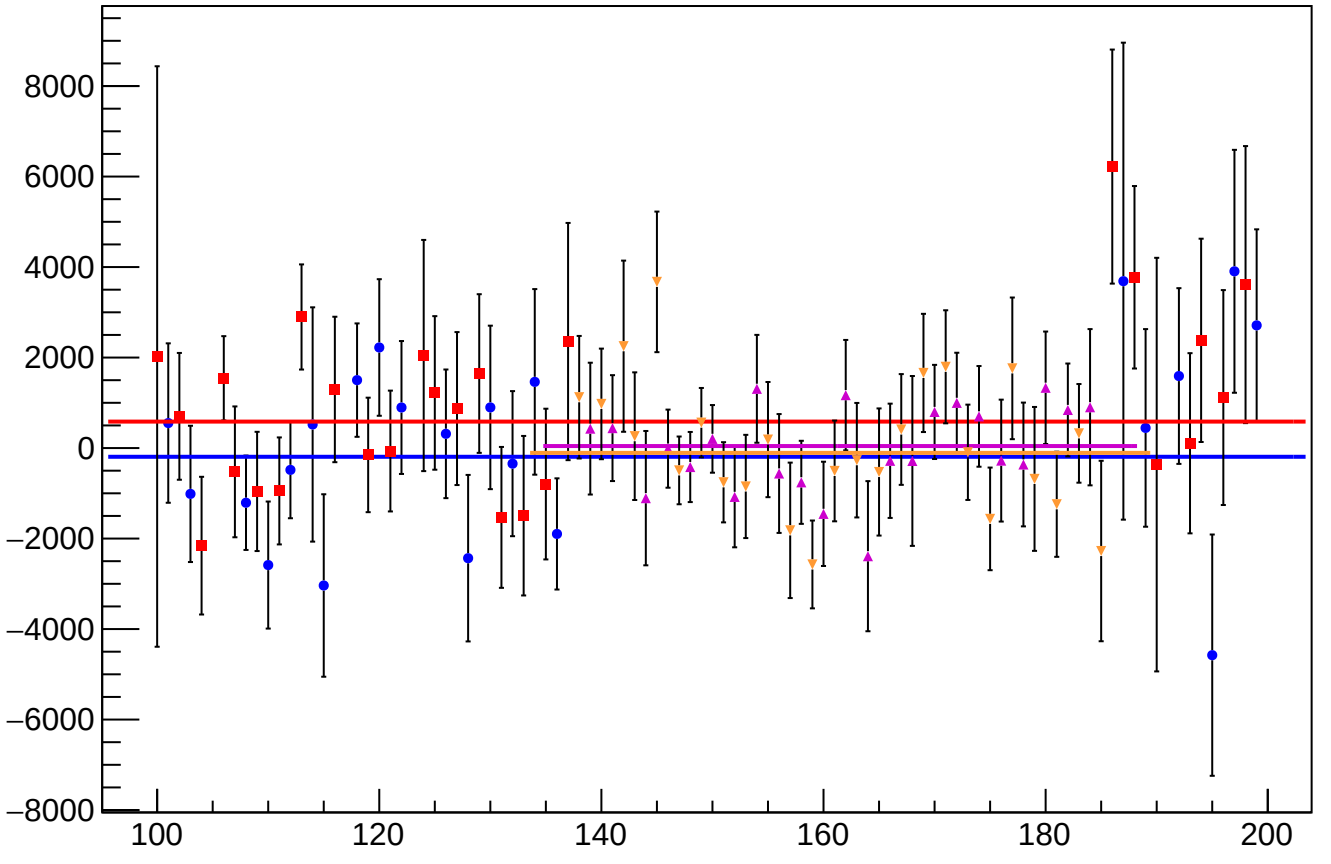
Right Out: 1661.466+/-0.335 χ^2/NDF: 201550.5/25

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.611+/-0.208 χ^2/NDF: 676608.5/46

All: 1632.232+/-0.148 χ^2/NDF: 891919.5/95

- sign 1633.857+/-0.209 χ^2/NDF: 215190.0/48



Right In: -192.661+/-345.054 χ^2/NDF: 24.4/21

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: 584.849+/-319.488 χ^2/NDF: 27.0/25

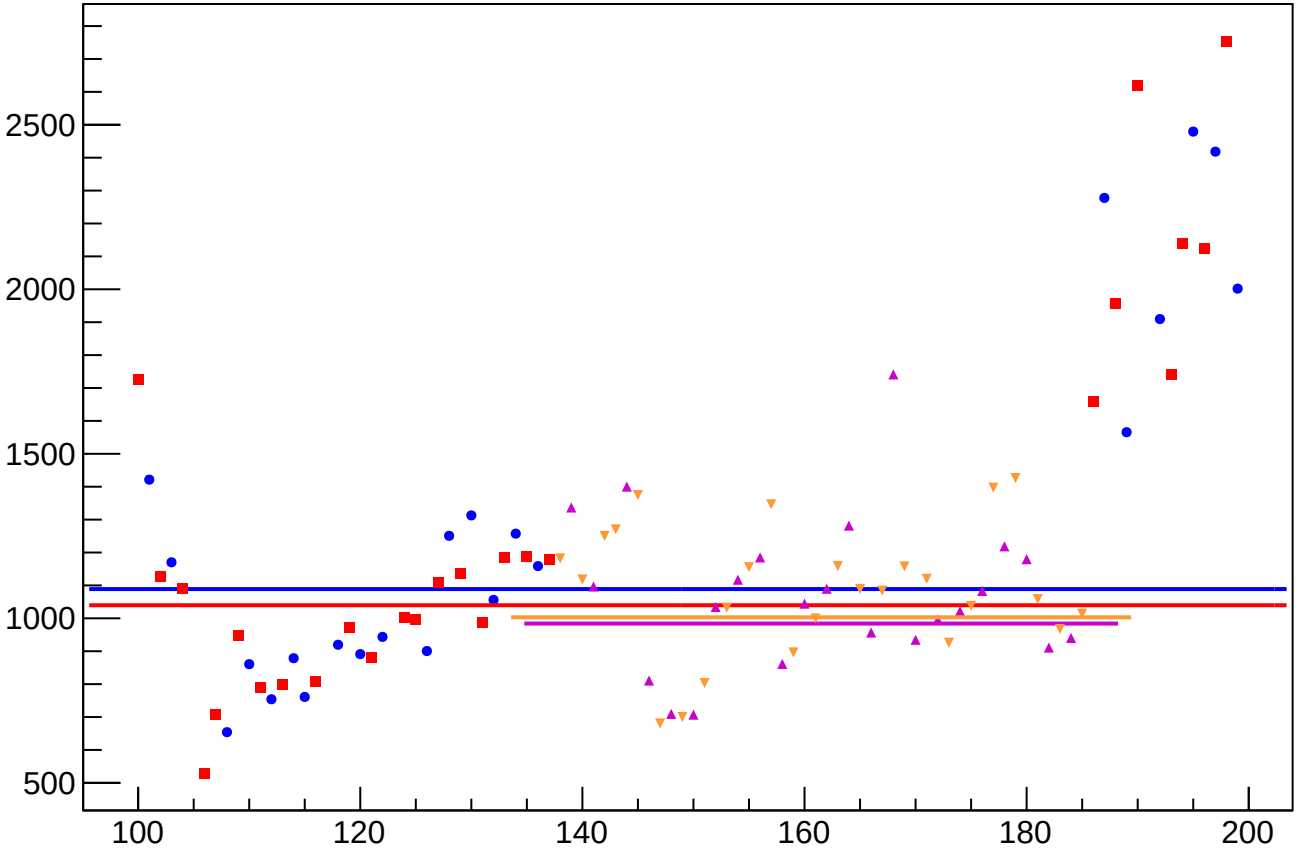
Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -133.581+/-193.840 χ^2/NDF: 53.4/46

All: 54.677+/-135.574 χ^2/NDF: 96.9/95

- sign 234.956+/-189.688 χ^2/NDF: 41.6/48

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug



Right In: 1088.943+/-0.244 χ^2/NDF: 2891789.9/21

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1039.797+/-0.226 χ^2/NDF: 3590153.2/25

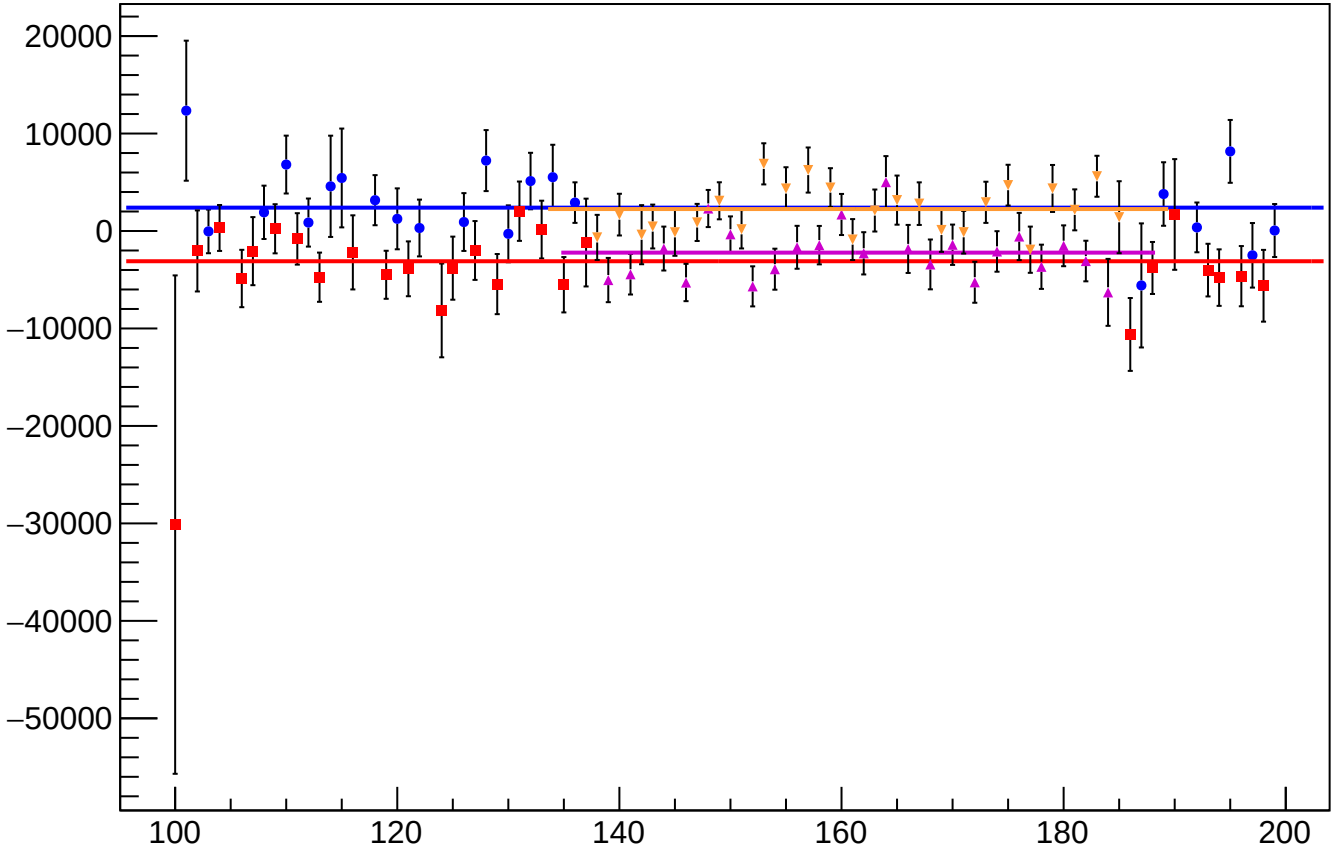
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

\+ sign 1030.193+/-0.137 χ^2/NDF: 4574920.6/46

All: 1016.662+/-0.096 χ^2/NDF: 9783134.0/95

\- sign 1003.705+/-0.134 χ^2/NDF: 5189136.2/48

asym_usr_atr1_avg_mean vs Slug



Right In: 2395.842+/-639.473 χ^2/NDF: 20.8/21

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3102.580+/-610.689 χ^2/NDF: 19.9/25

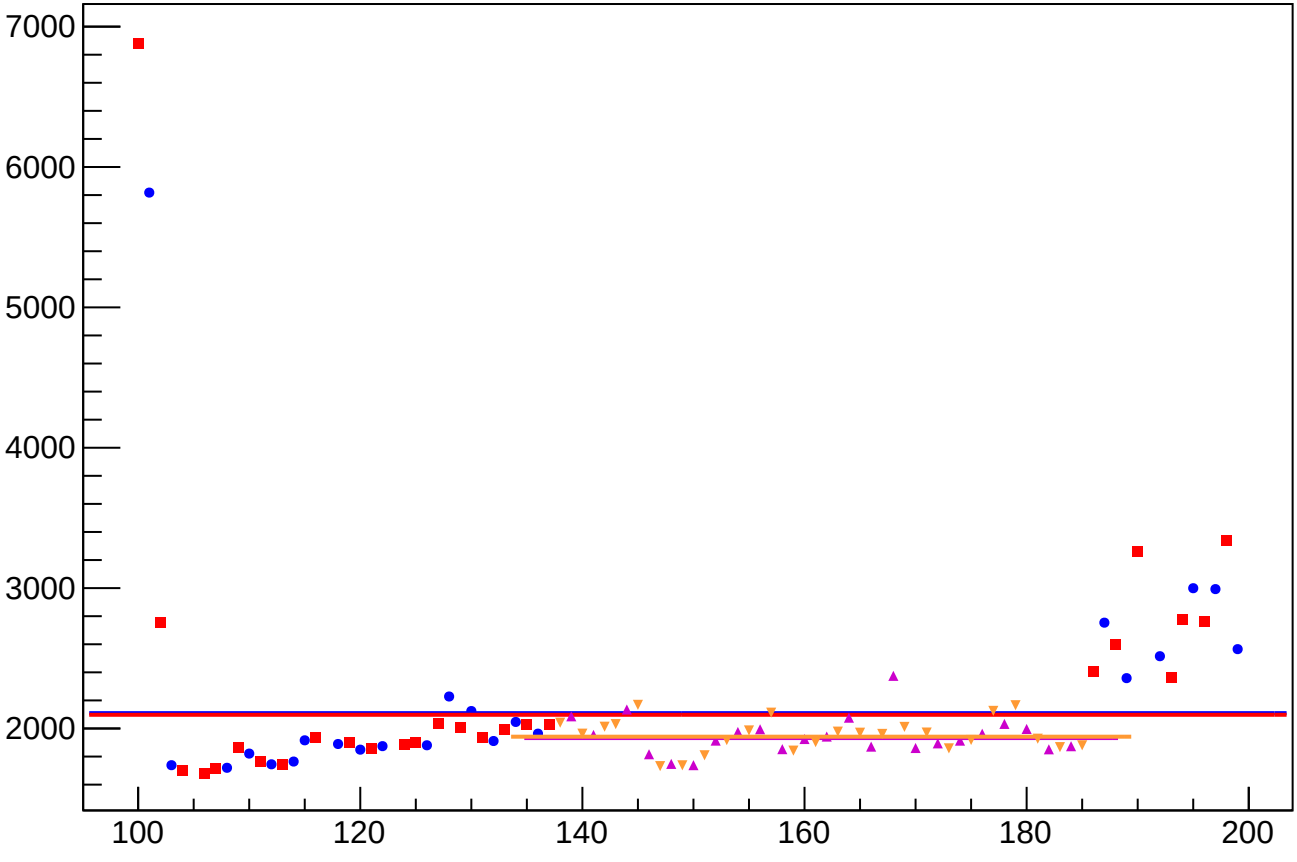
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2298.791+/-363.717 χ^2/NDF: 49.2/46

All: -118.431+/-257.096 χ^2/NDF: 190.2/95

- sign -2532.240+/-363.460 χ^2/NDF: 52.8/48

asym_usr_atr1_avg_rms vs Slug



Right In: 2109.277+/-0.452 χ^2/NDF: 1212297.3/21

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

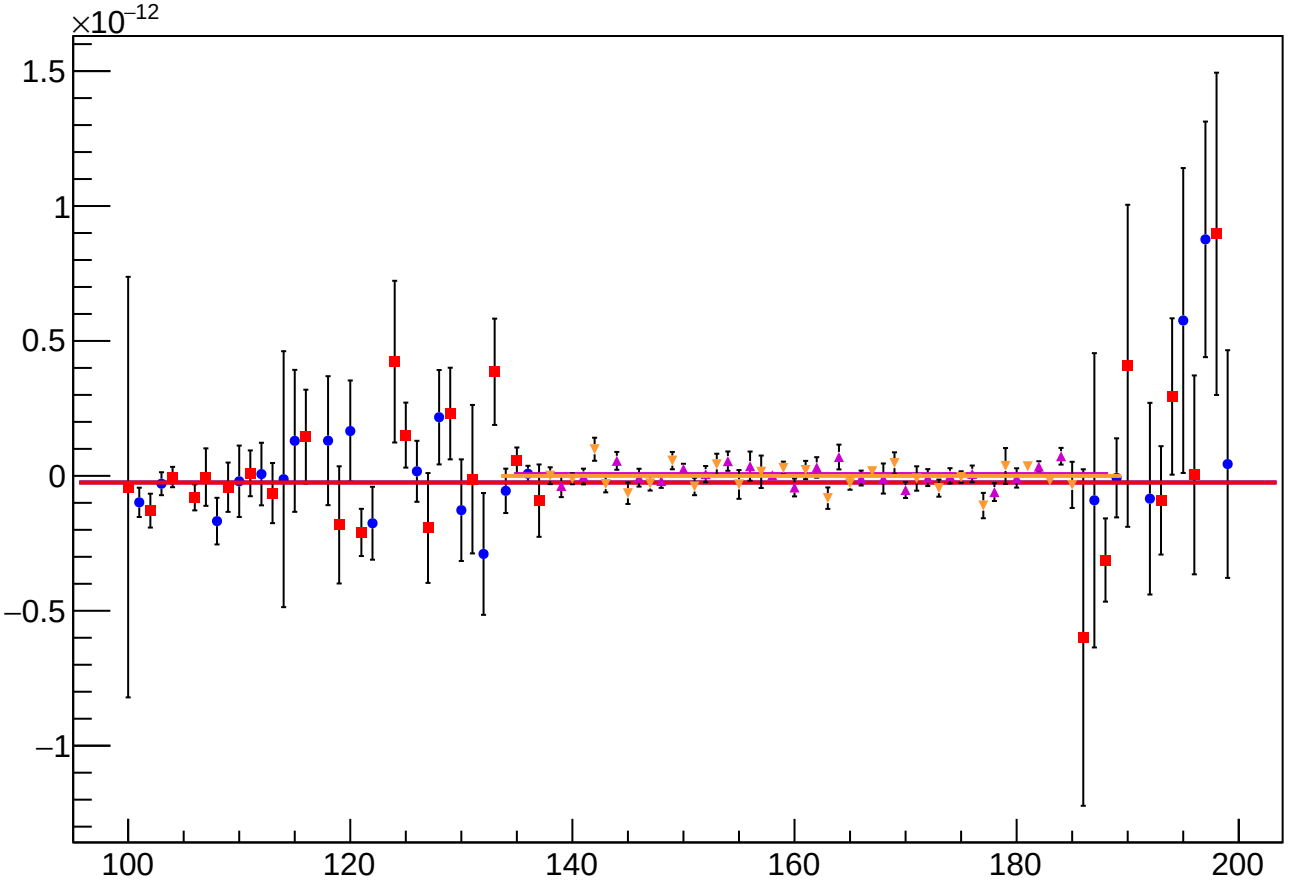
Right Out: 2097.638+/-0.432 χ^2/NDF: 1004582.0/25

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1995.833+/-0.257 χ^2/NDF: 1444351.9/46

All: 1993.190+/-0.182 χ^2/NDF: 2704253.5/95

- sign 1990.551+/-0.257 χ^2/NDF: 1259690.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

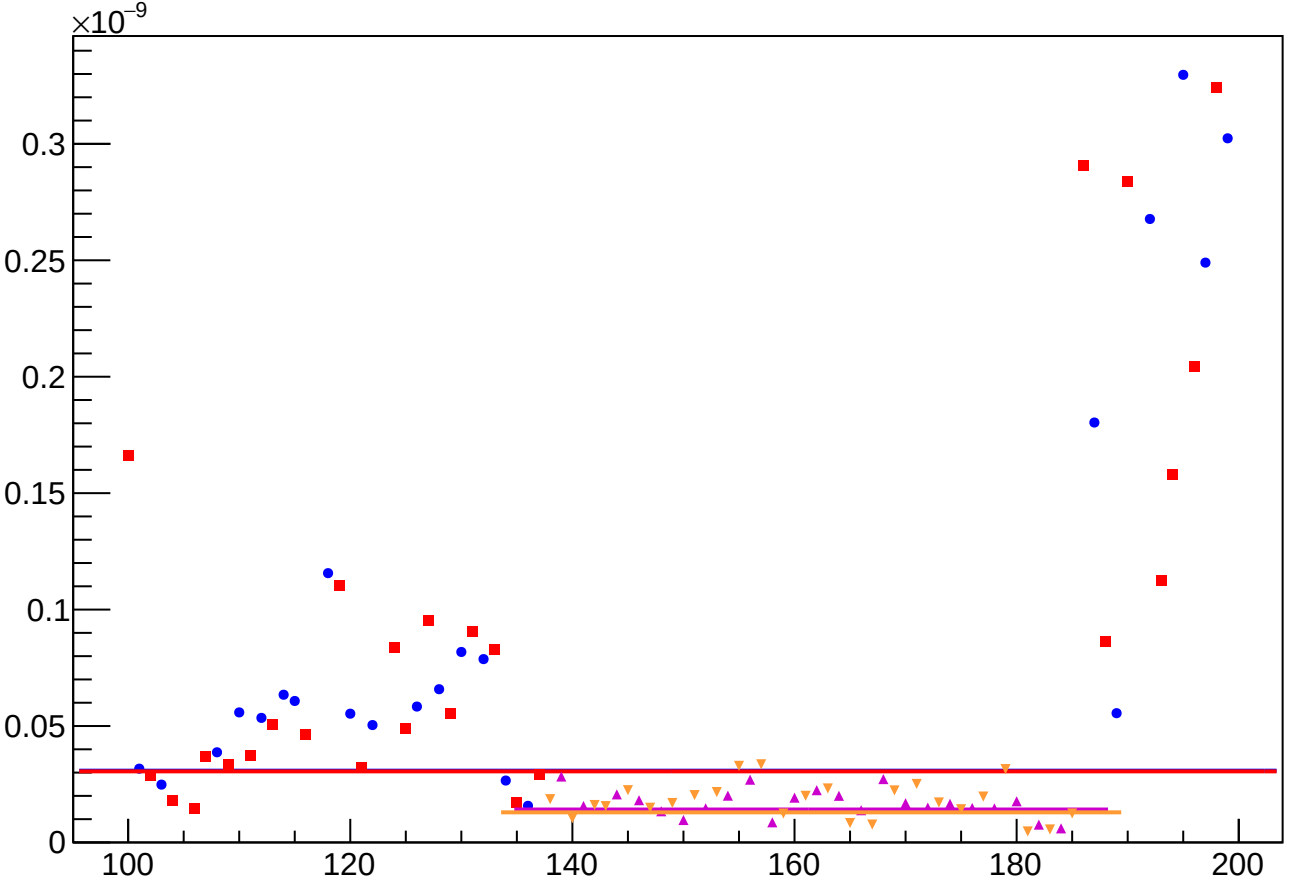
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/25

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.1/46

All: 0.000+/-0.000 χ^2/NDF: 124.5/95

- sign 0.000+/-0.000 χ^2/NDF: 63.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 4513087.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4241501.3/25

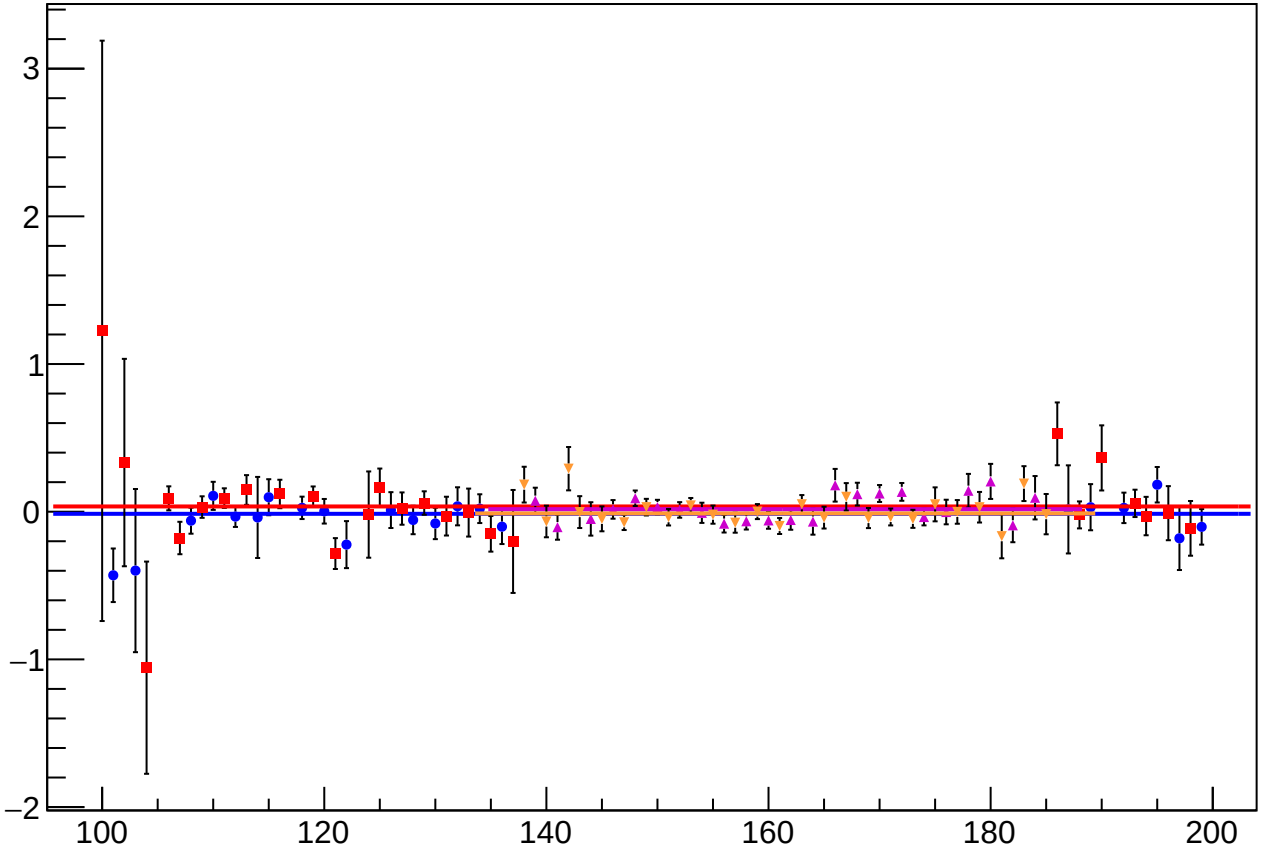
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8980583.0/46

All: 0.000+/-0.000 χ^2/NDF: 16139203.0/95

- sign 0.000+/-0.000 χ^2/NDF: 7108245.2/48

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.036+/-0.022 χ^2/NDF: 33.4/25

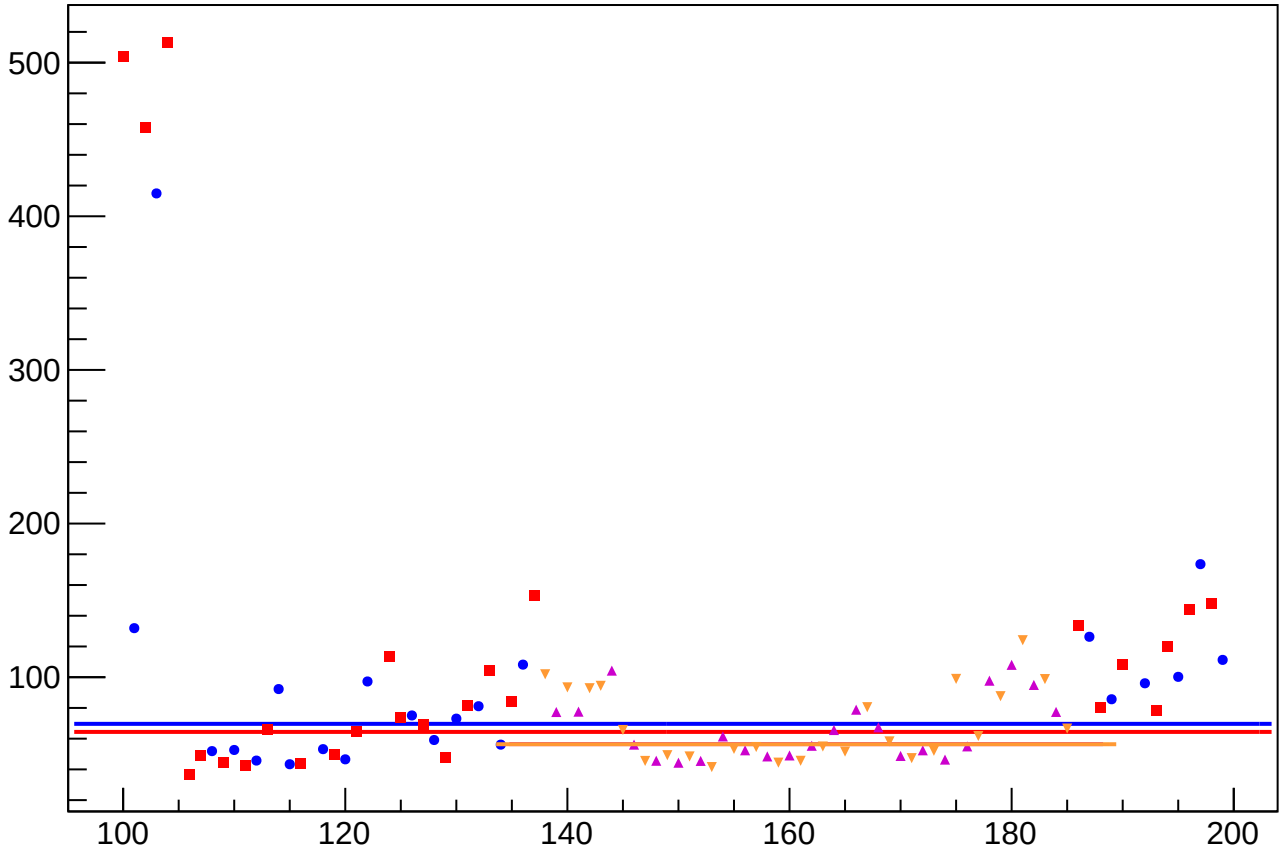
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.012+/-0.012 χ^2/NDF: 38.0/46

All: 0.005+/-0.009 χ^2/NDF: 106.6/95

- sign 0.023+/-0.012 χ^2/NDF: 64.4/48

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 69.645+/-0.017 χ^2/NDF: 3169396.4/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

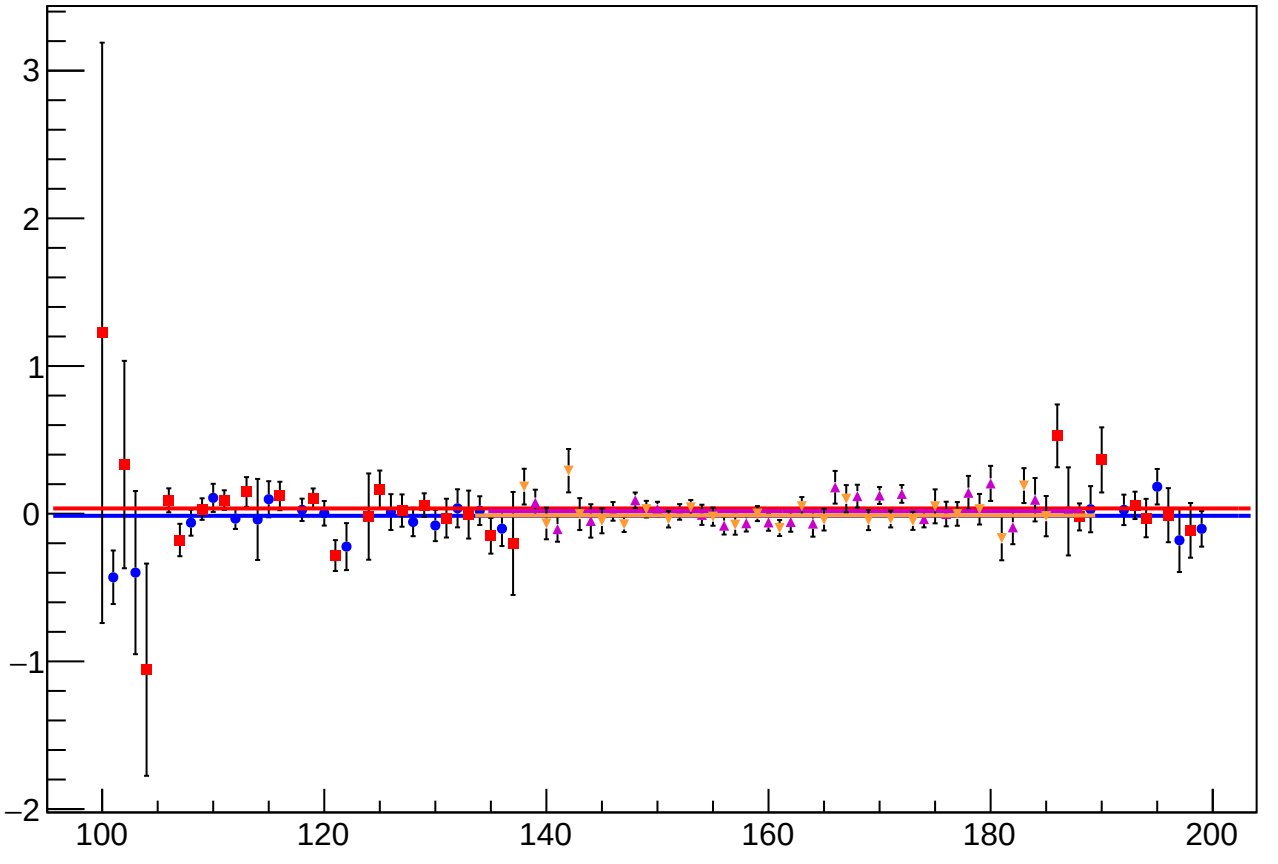
Right Out: 64.397+/-0.016 χ^2/NDF: 4379356.2/25

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 59.839+/-0.009 χ^2/NDF: 6415434.7/46

All: 59.338+/-0.006 χ^2/NDF: 13121769.1/95

- sign 58.854+/-0.009 χ^2/NDF: 6699825.6/48



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

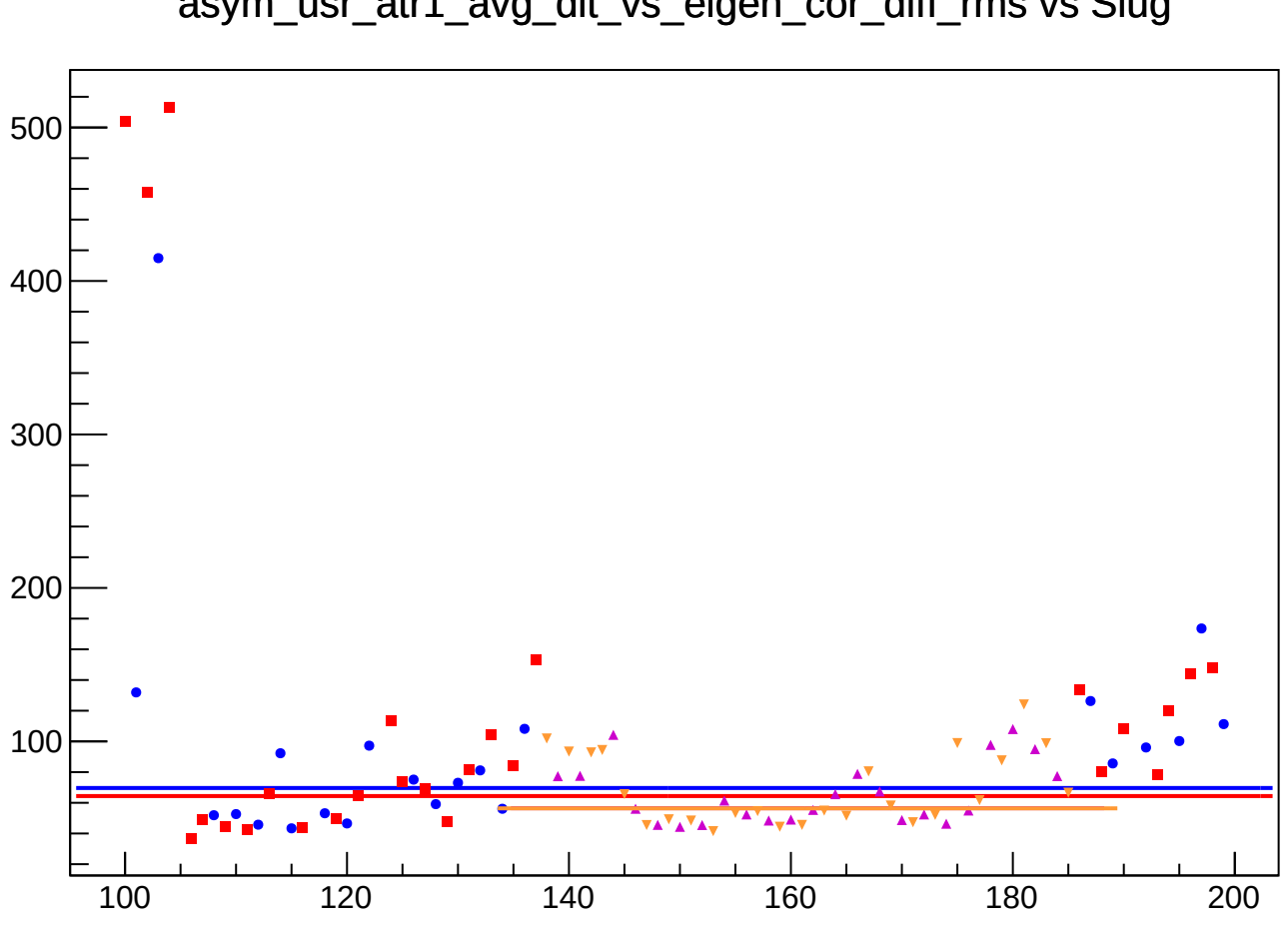
Right Out: 0.036+/-0.022 χ^2/NDF: 33.4/25

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.012+/-0.012 χ^2/NDF: 38.0/46

All: 0.005+/-0.009 χ^2/NDF: 106.6/95

- sign 0.023+/-0.012 χ^2/NDF: 64.4/48



Right In: 69.645+/-0.017 χ^2/NDF: 3169396.4/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

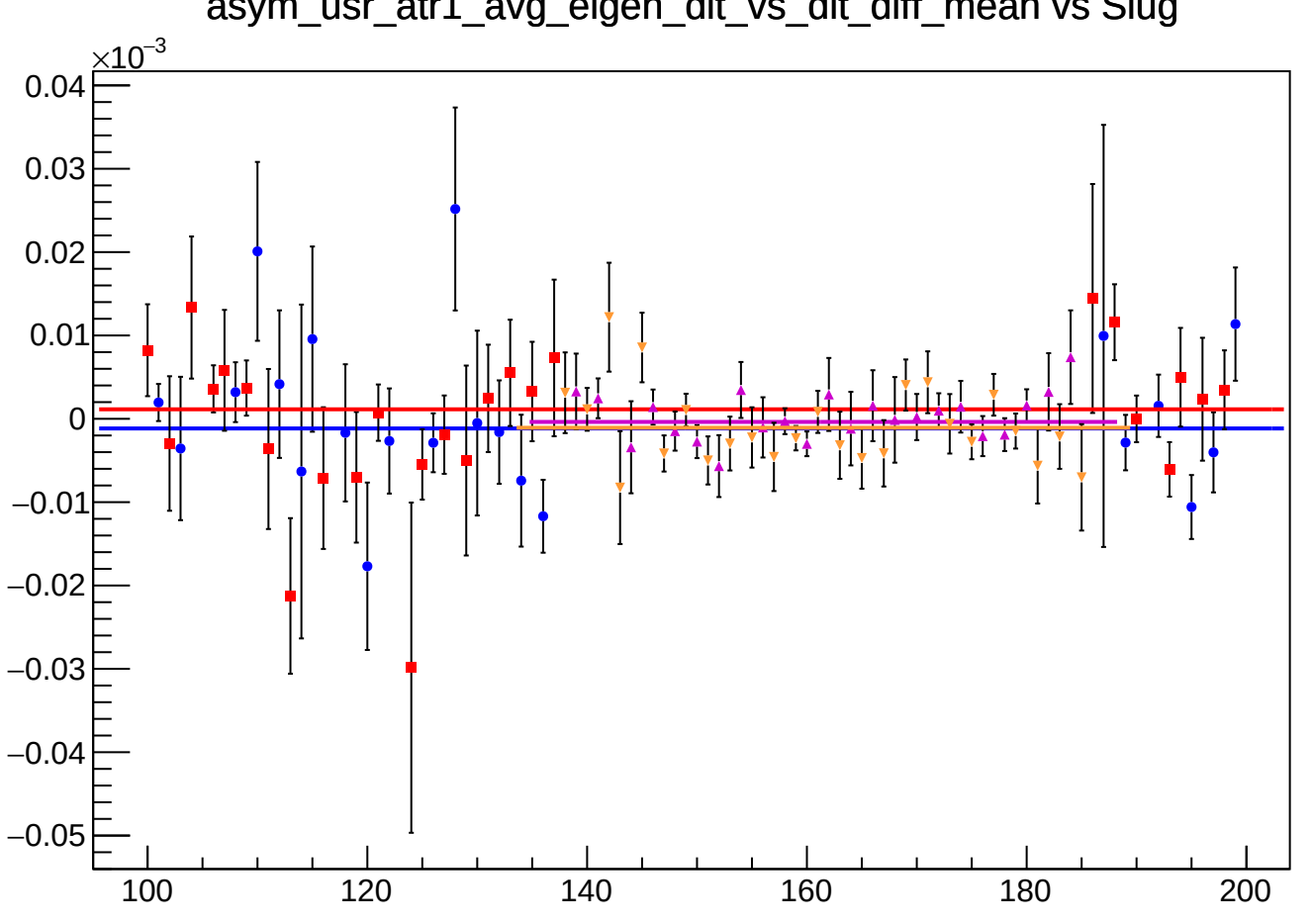
Right Out: 64.397+/-0.016 χ^2/NDF: 4379356.2/25

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 59.839+/-0.009 χ^2/NDF: 6415434.7/46

All: 59.338+/-0.006 χ^2/NDF: 13121769.1/95

- sign 58.854+/-0.009 χ^2/NDF: 6699825.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

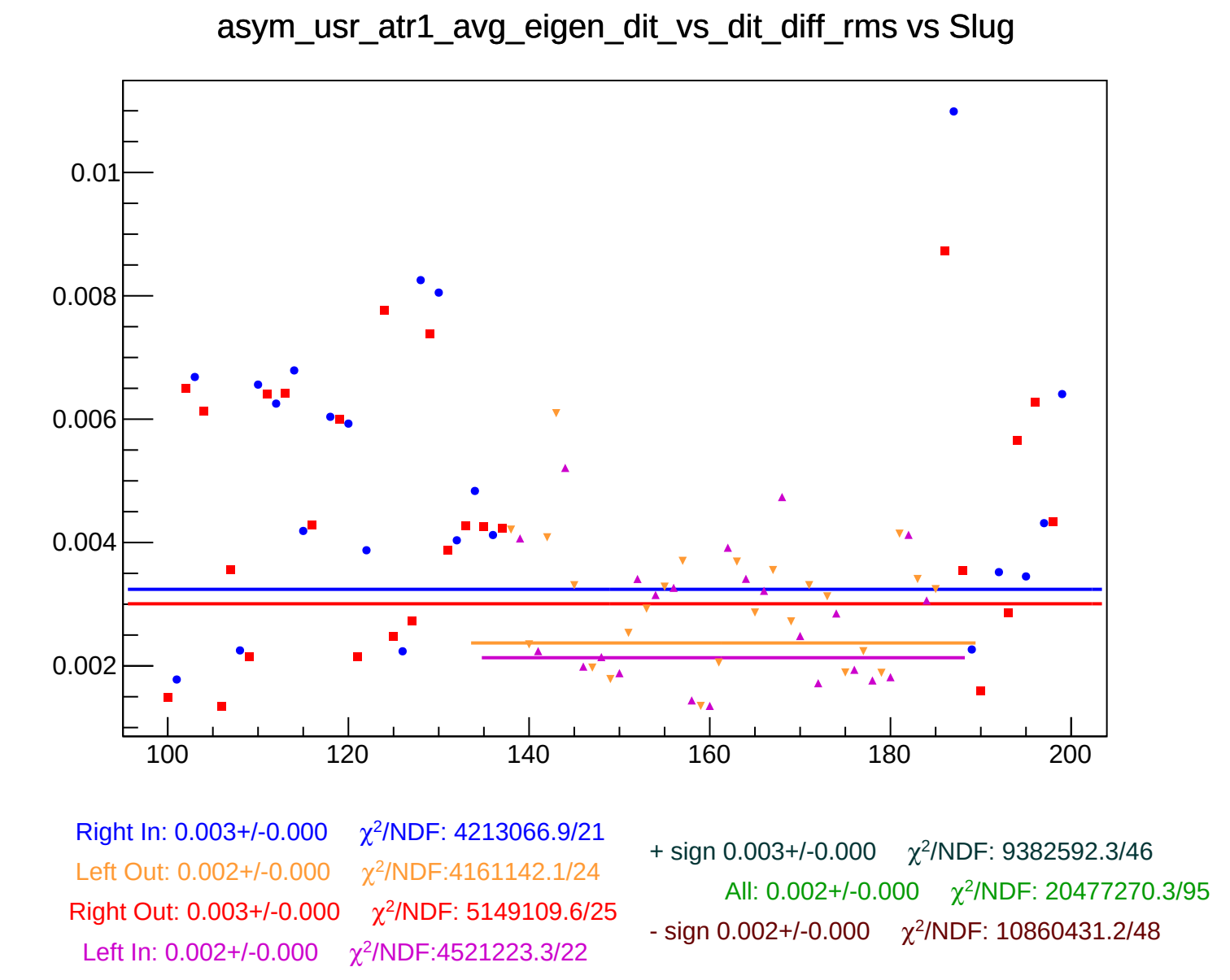
Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/25

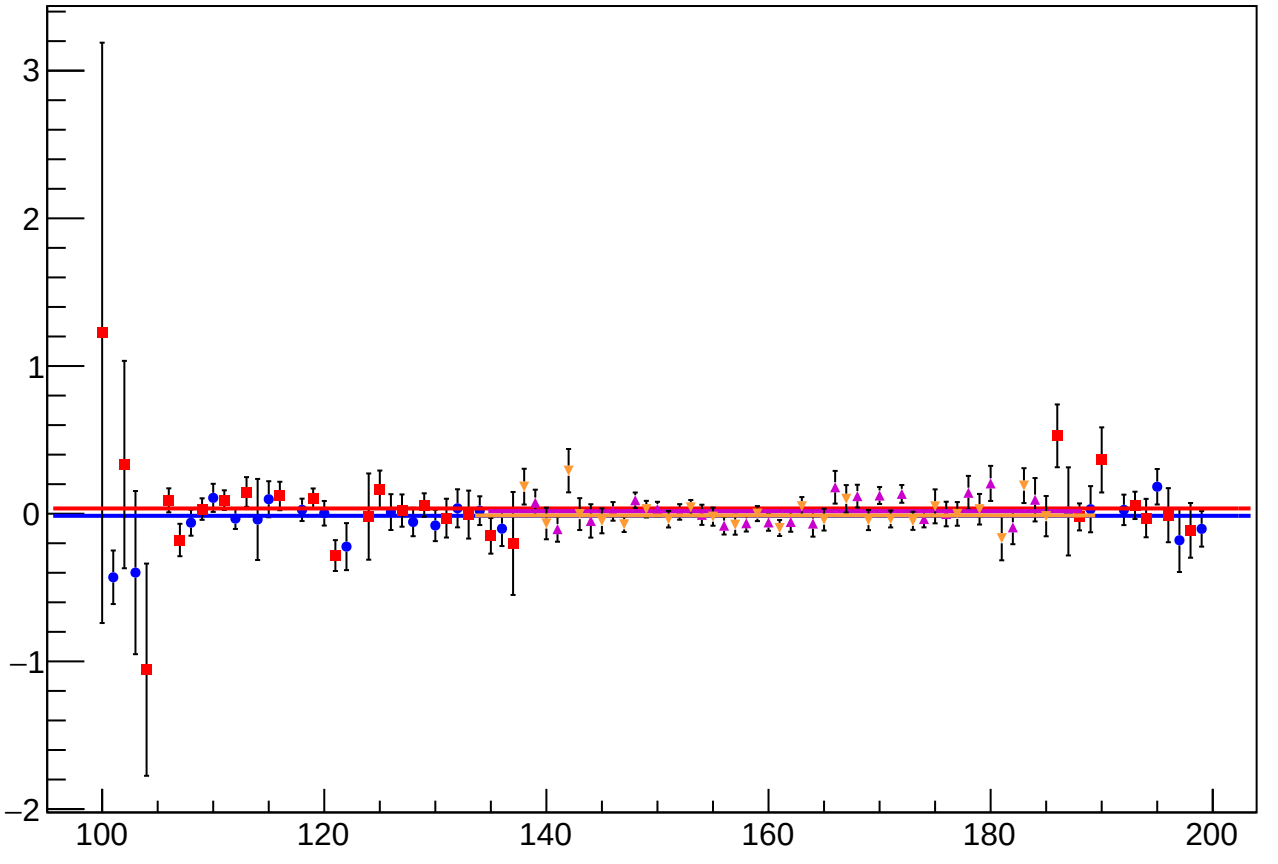
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.2/46

All: -0.000+/-0.000 χ^2/NDF: 119.2/95

- sign -0.000+/-0.000 χ^2/NDF: 51.6/48


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 4213066.9/21
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 5149109.6/25
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
+ sign 0.003+/-0.000 χ²/NDF: 9382592.3/46
All: 0.002+/-0.000 χ²/NDF: 20477270.3/95
- sign 0.002+/-0.000 χ²/NDF: 10860431.2/48



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

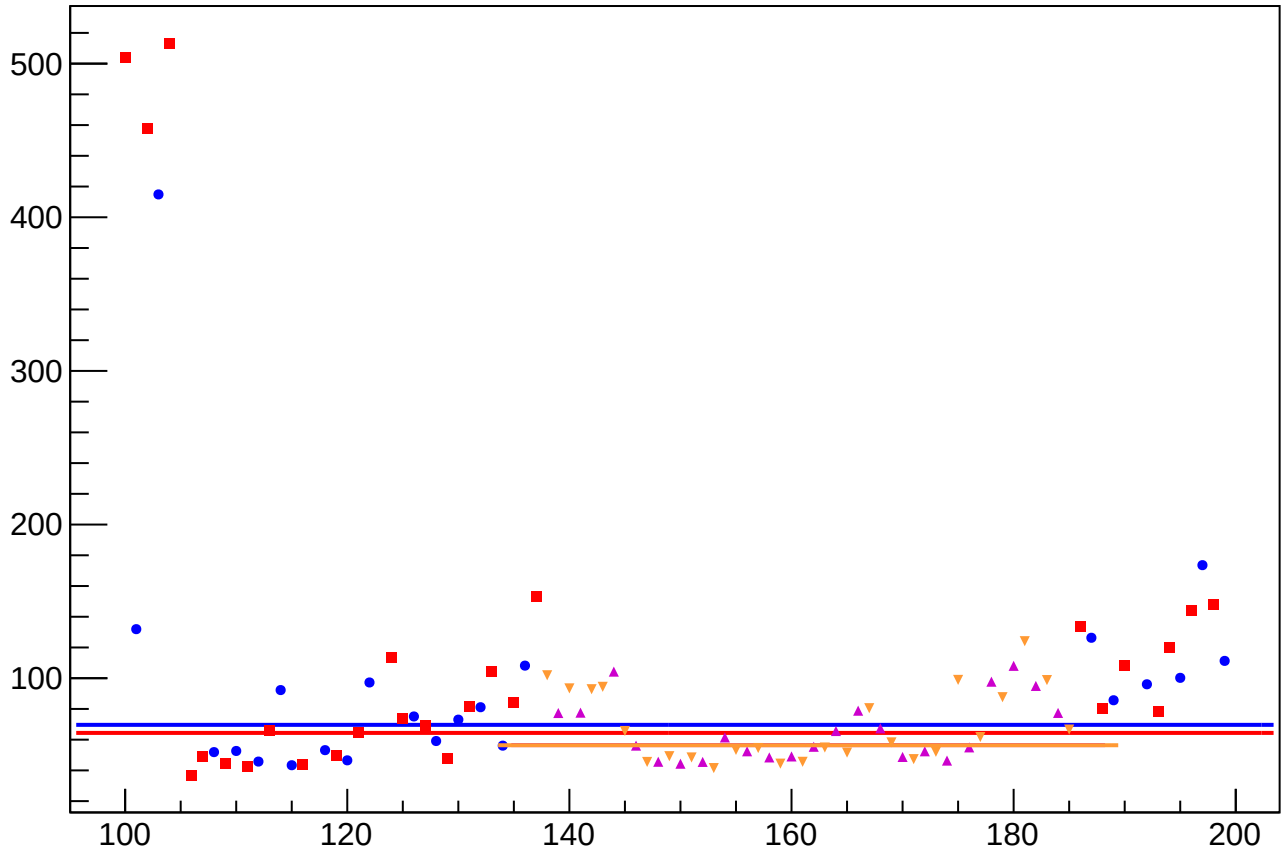
Right Out: 0.036+/-0.022 χ^2/NDF: 33.3/25

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.012+/-0.012 χ^2/NDF: 38.0/46

All: 0.005+/-0.009 χ^2/NDF: 106.6/95

- sign 0.023+/-0.012 χ^2/NDF: 64.4/48



Right In: 69.644+/-0.017 χ^2/NDF: 3169374.2/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

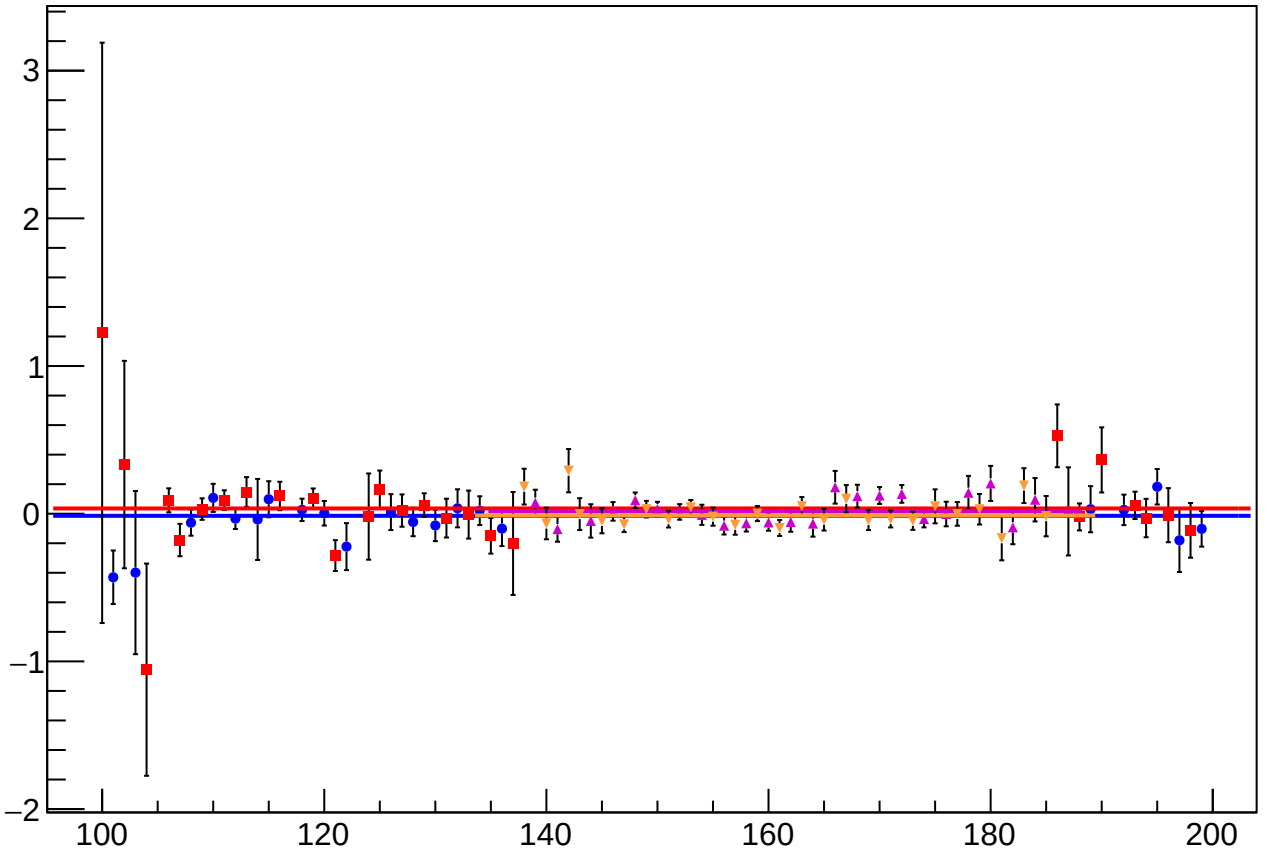
Right Out: 64.396+/-0.016 χ^2/NDF: 4379367.3/25

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 59.839+/-0.009 χ^2/NDF: 6415430.5/46

All: 59.338+/-0.006 χ^2/NDF: 13121722.3/95

- sign 58.854+/-0.009 χ^2/NDF: 6699781.1/48



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

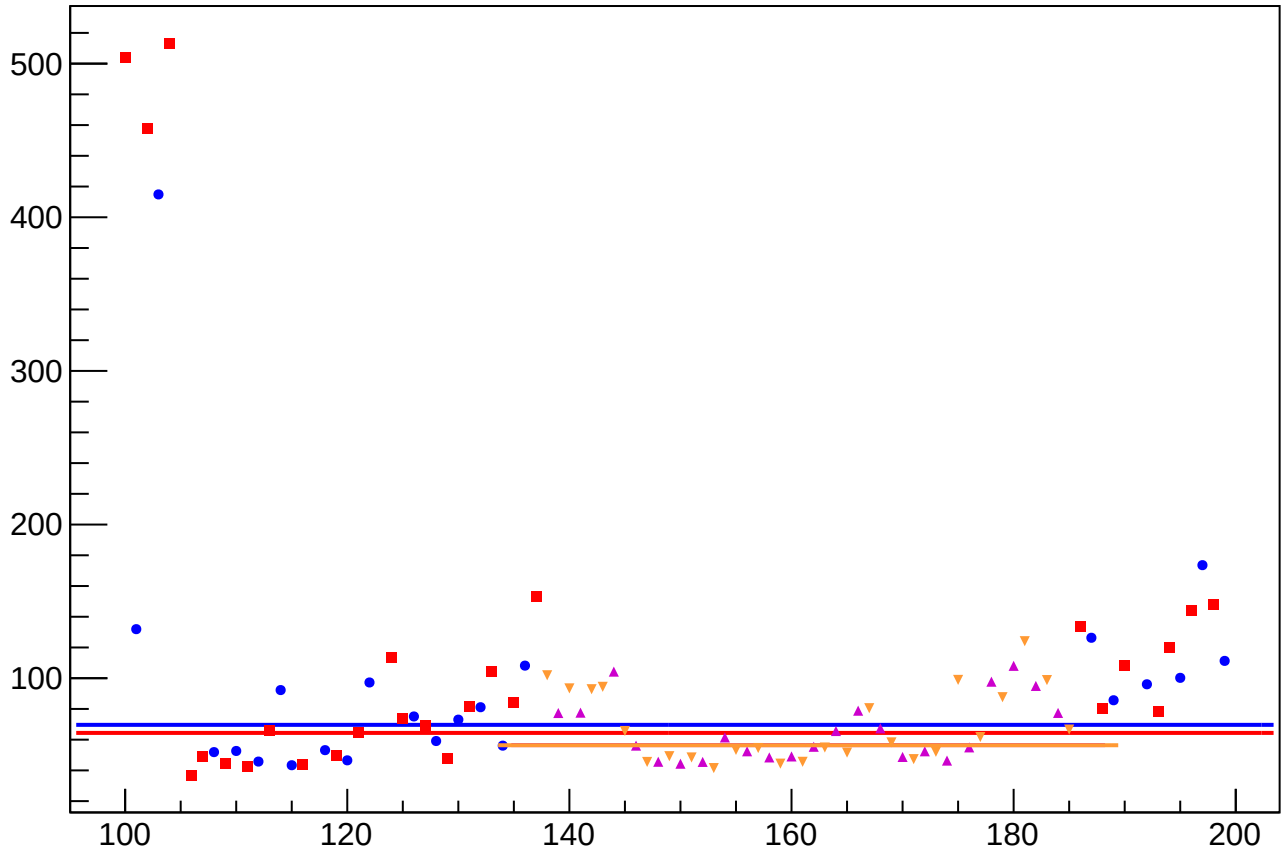
Right Out: 0.036+/-0.022 χ^2/NDF: 33.3/25

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.012+/-0.012 χ^2/NDF: 38.0/46

All: 0.005+/-0.009 χ^2/NDF: 106.6/95

- sign 0.023+/-0.012 χ^2/NDF: 64.4/48



Right In: 69.644+/-0.017 χ^2/NDF: 3169374.2/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

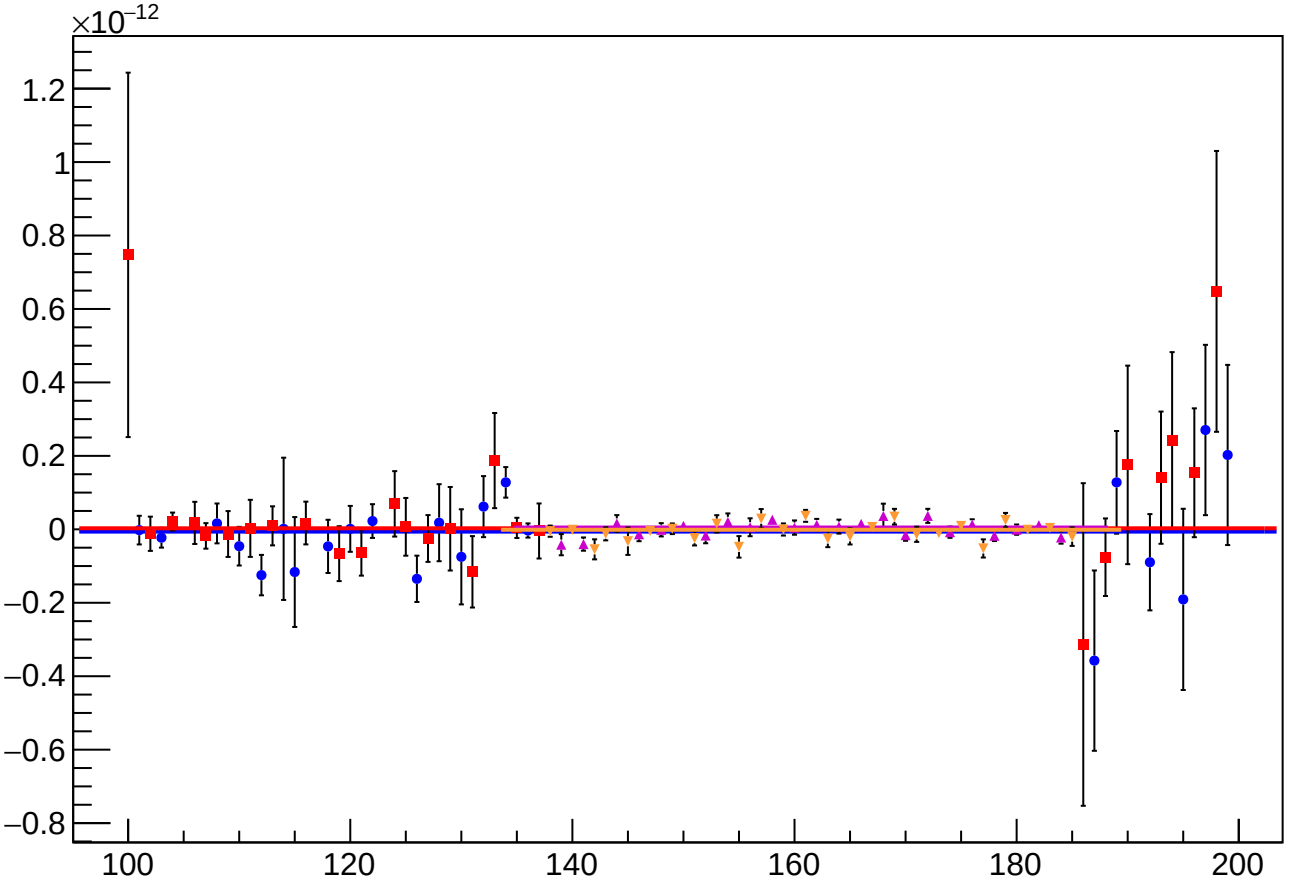
Right Out: 64.396+/-0.016 χ^2/NDF: 4379367.3/25

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 59.839+/-0.009 χ^2/NDF: 6415430.5/46

All: 59.338+/-0.006 χ^2/NDF: 13121722.3/95

- sign 58.854+/-0.009 χ^2/NDF: 6699781.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

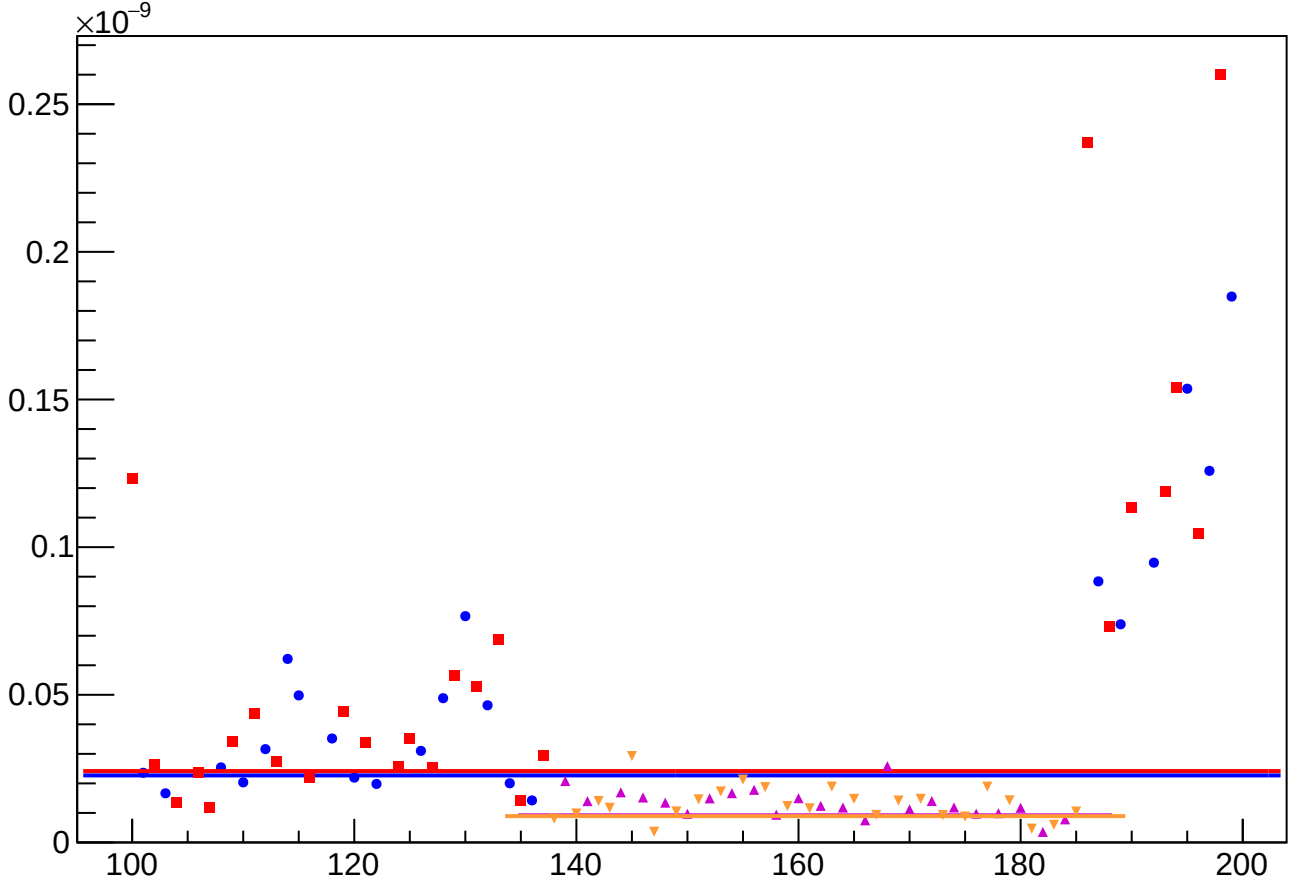
Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/25

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/46

All: 0.000+/-0.000 χ^2/NDF: 105.7/95

- sign 0.000+/-0.000 χ^2/NDF: 44.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 4288217.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5421128.8/25

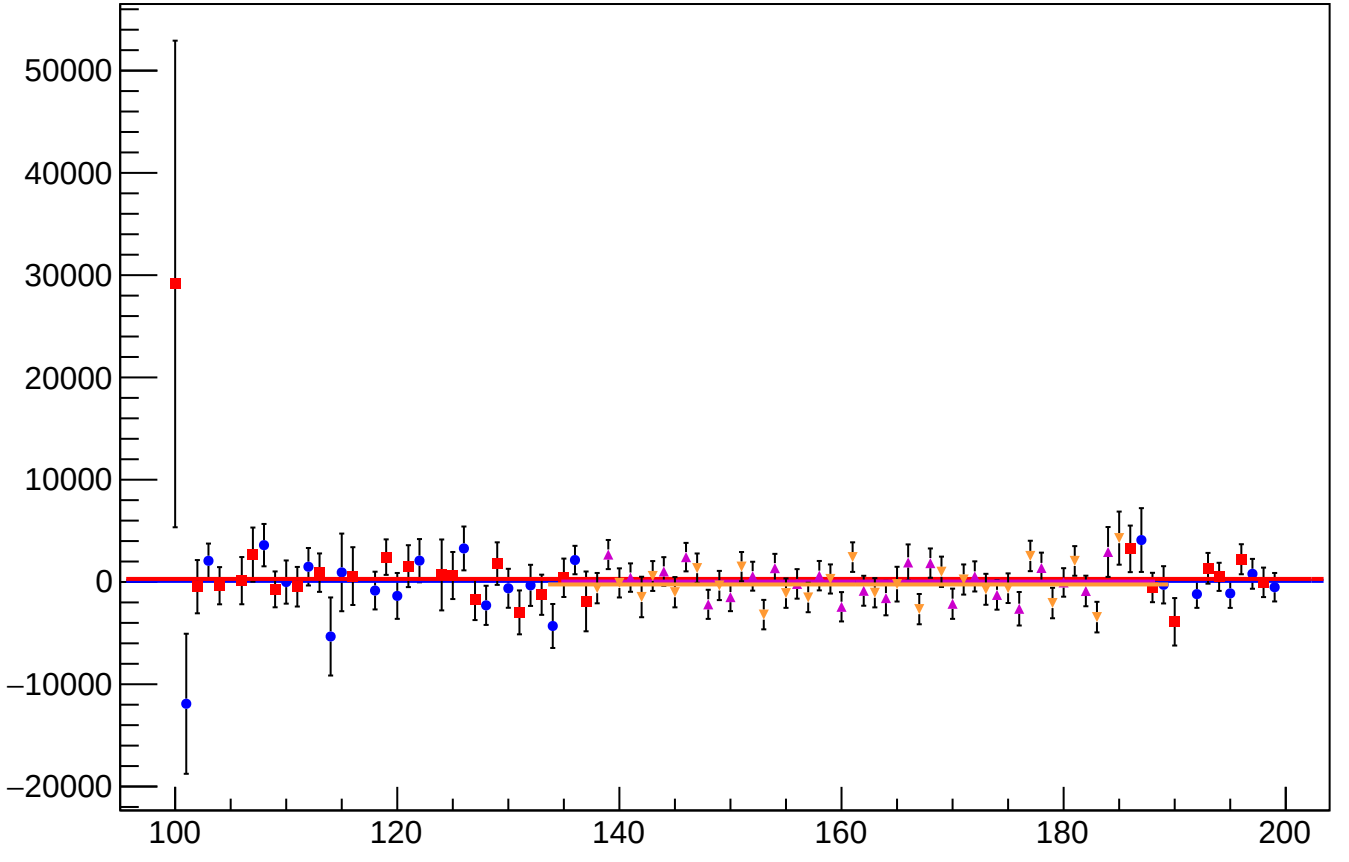
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12198839.4/46

All: 0.000+/-0.000 χ^2/NDF: 25773098.9/95

- sign 0.000+/-0.000 χ^2/NDF: 13562532.1/48

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 106.734+/-402.602 χ^2/NDF: 25.6/21

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 298.916+/-384.508 χ^2/NDF: 17.6/25

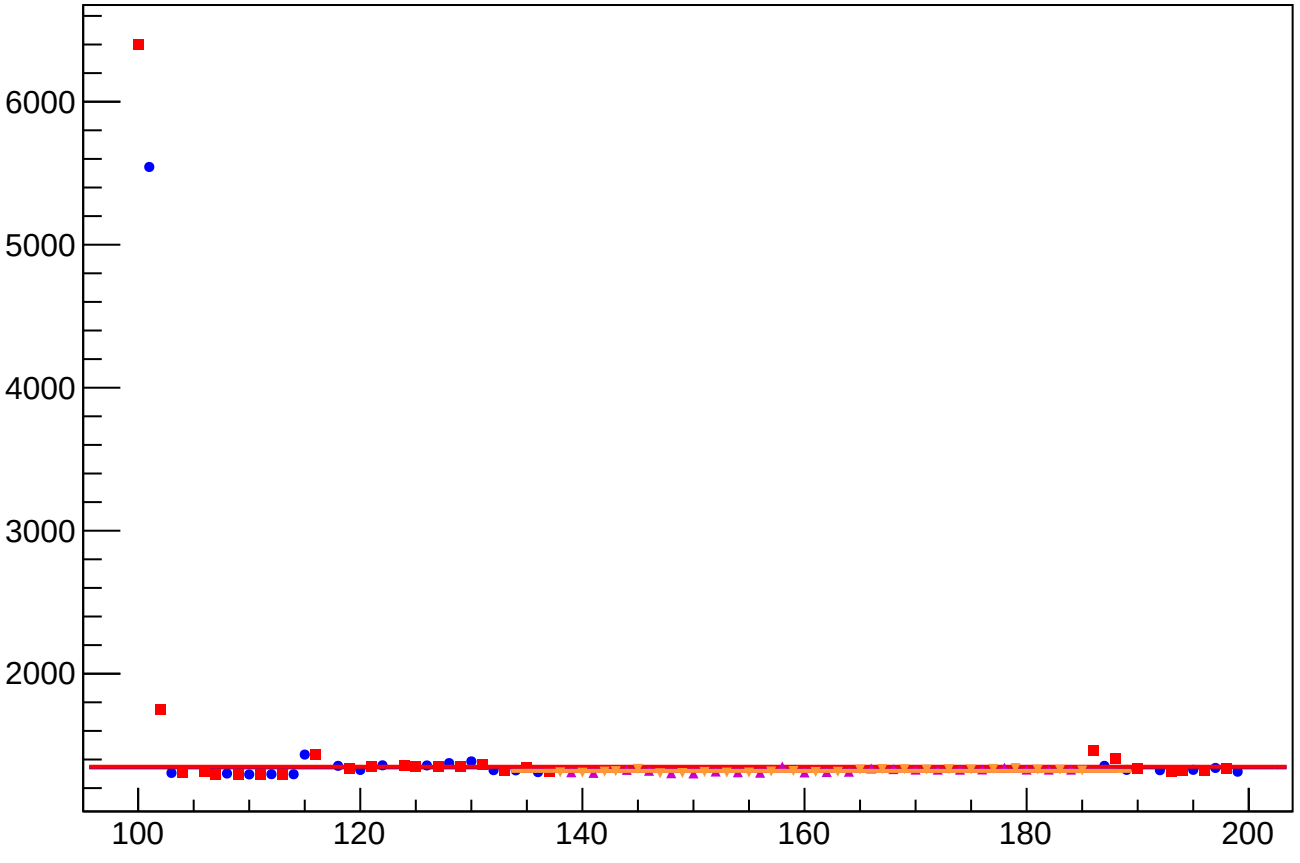
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -116.768+/-240.563 χ^2/NDF: 57.8/46

All: 12.008+/-170.146 χ^2/NDF: 103.4/95

- sign 140.913+/-240.683 χ^2/NDF: 45.0/48

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1345.220+/-0.285 χ^2/NDF: 763131.1/21

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1349.366+/-0.272 χ^2/NDF: 158009.4/25

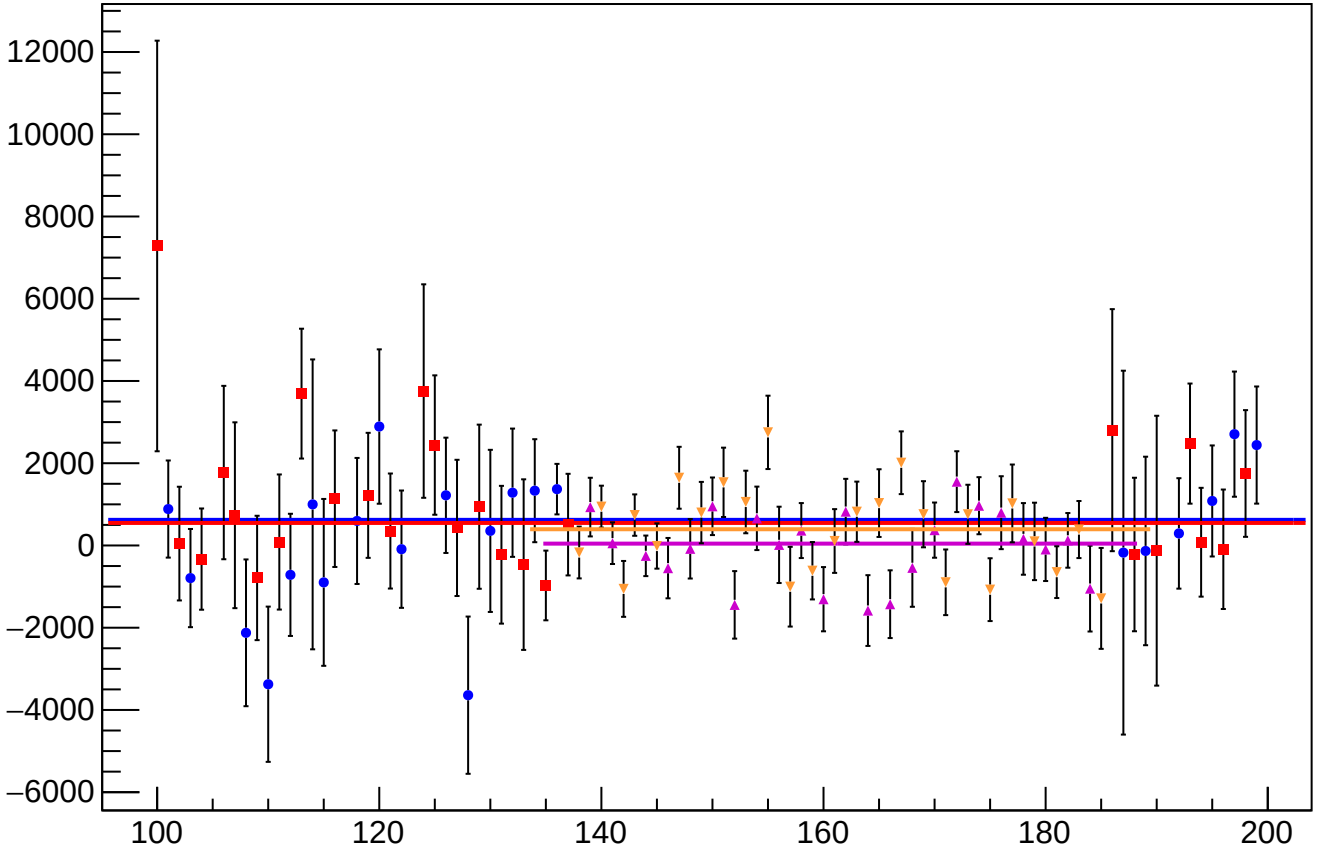
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.480+/-0.170 χ^2/NDF: 770487.5/46

All: 1331.034+/-0.120 χ^2/NDF: 938477.1/95

- sign 1332.590+/-0.170 χ^2/NDF: 167822.6/48

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 622.905+/-301.530 χ^2/NDF: 22.4/21

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 547.875+/-310.998 χ^2/NDF: 17.9/25

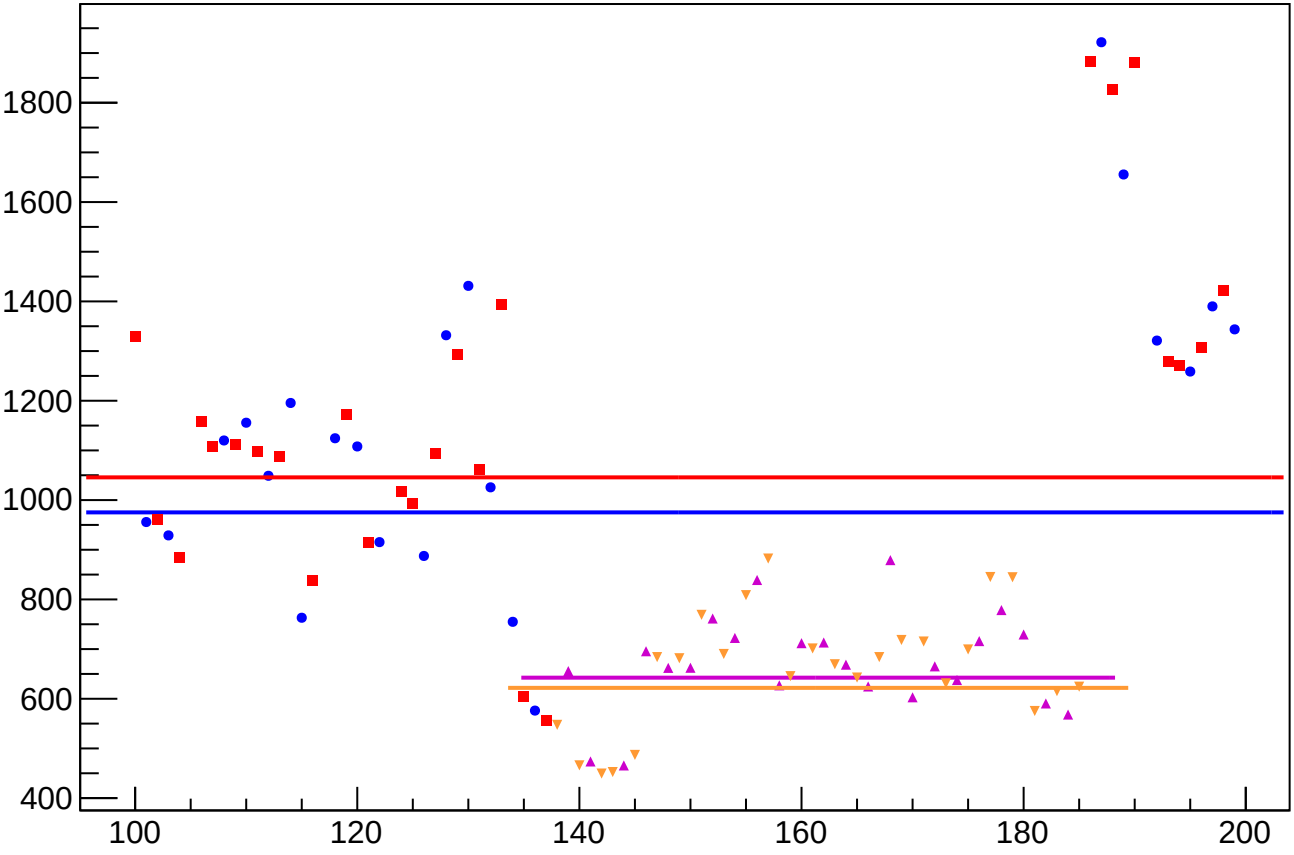
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 437.228+/-130.355 χ^2/NDF: 64.7/46

All: 296.795+/-94.372 χ^2/NDF: 114.8/95

- sign 142.126+/-136.803 χ^2/NDF: 47.6/48

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 975.221+/-0.213 χ^2/NDF: 1965758.2/21

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1045.737+/-0.220 χ^2/NDF: 2007160.7/25

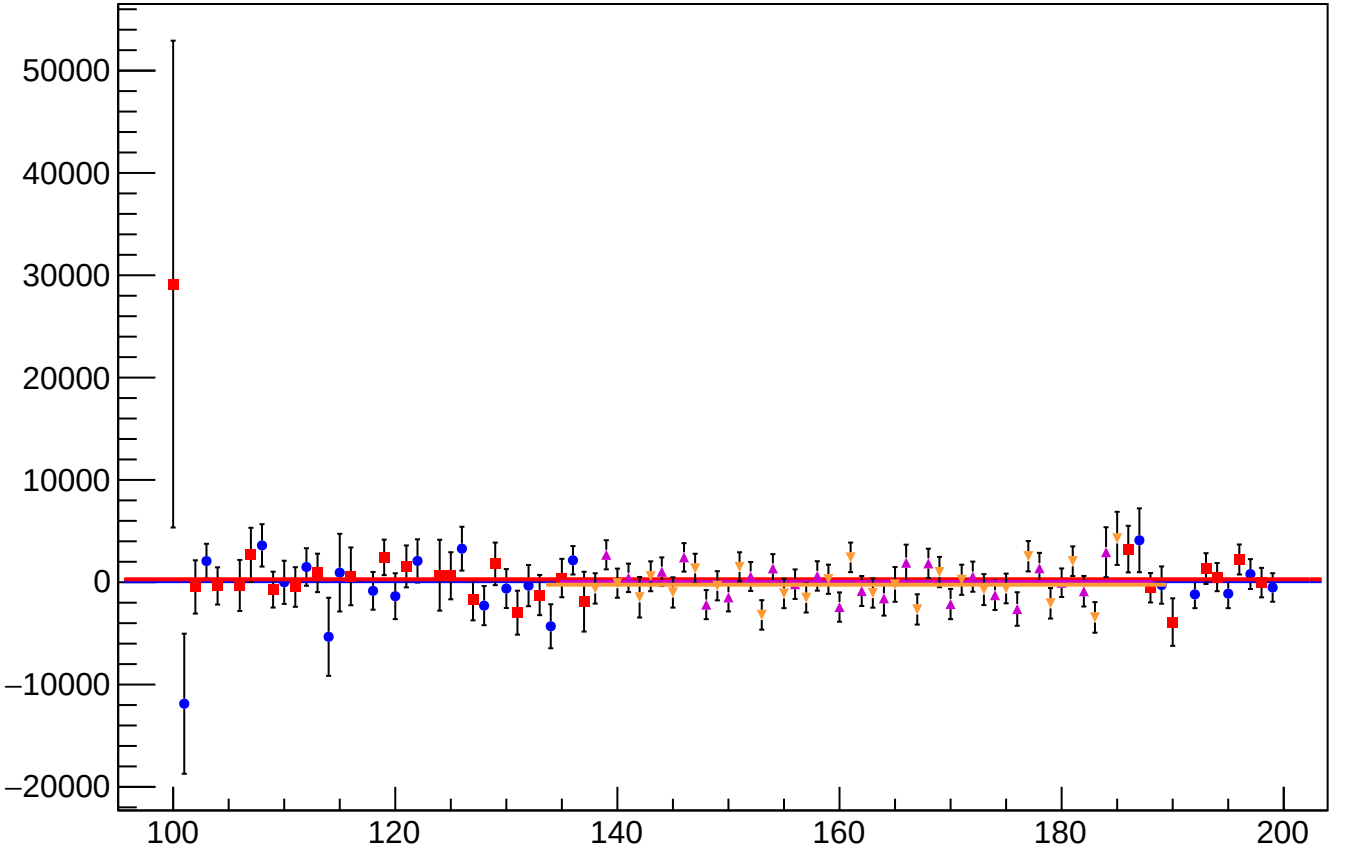
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 687.974+/-0.092 χ^2/NDF: 5581434.2/46

All: 703.453+/-0.067 χ^2/NDF: 11286279.6/95

- sign 720.501+/-0.097 χ^2/NDF: 5645585.4/48

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 106.857+/-402.602 χ^2/NDF: 25.6/21

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 289.212+/-385.279 χ^2/NDF: 17.7/25

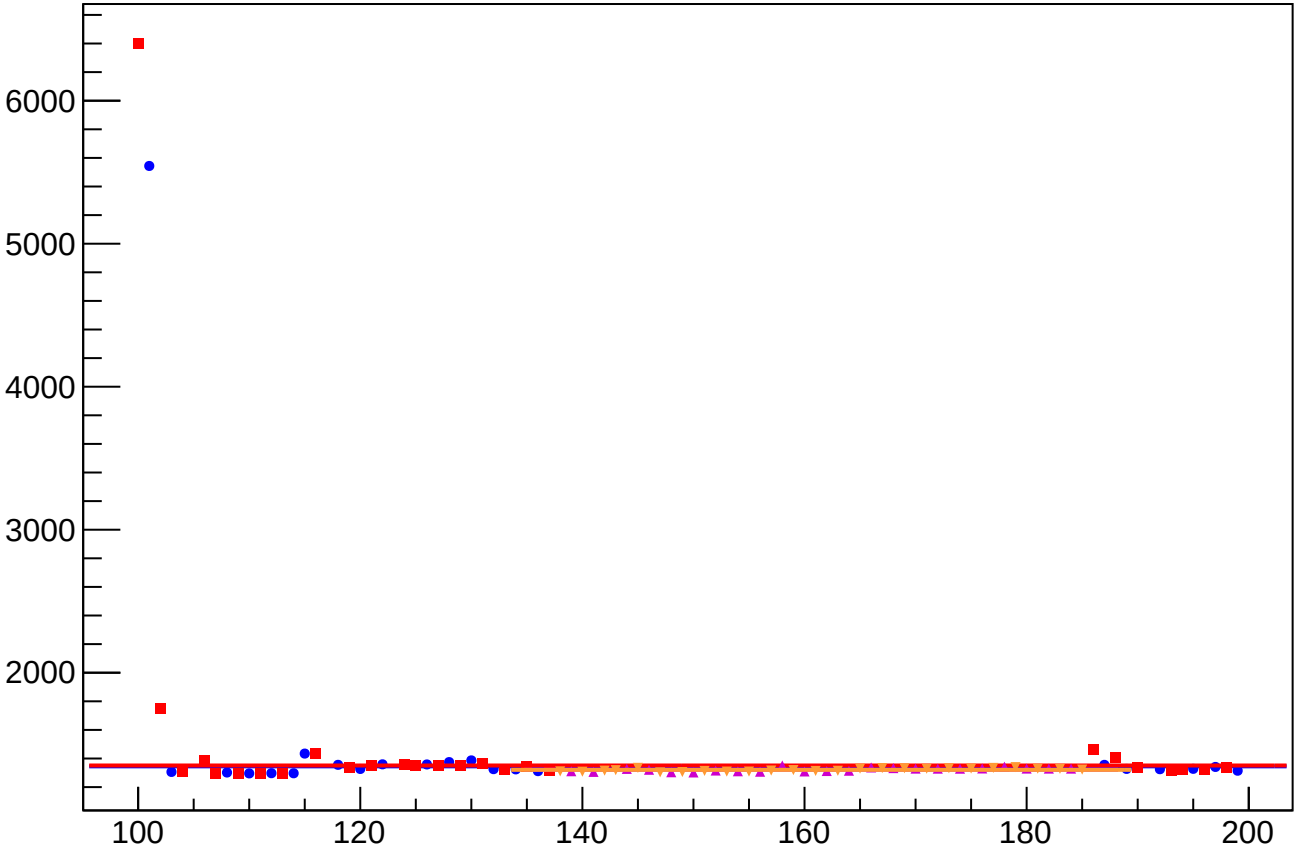
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -116.725+/-240.563 χ^2/NDF: 57.8/46

All: 9.932+/-170.213 χ^2/NDF: 103.4/95

- sign 136.915+/-240.871 χ^2/NDF: 45.1/48

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1345.220+/-0.285 χ^2/NDF: 763130.1/21

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1351.194+/-0.272 χ^2/NDF: 158082.5/25

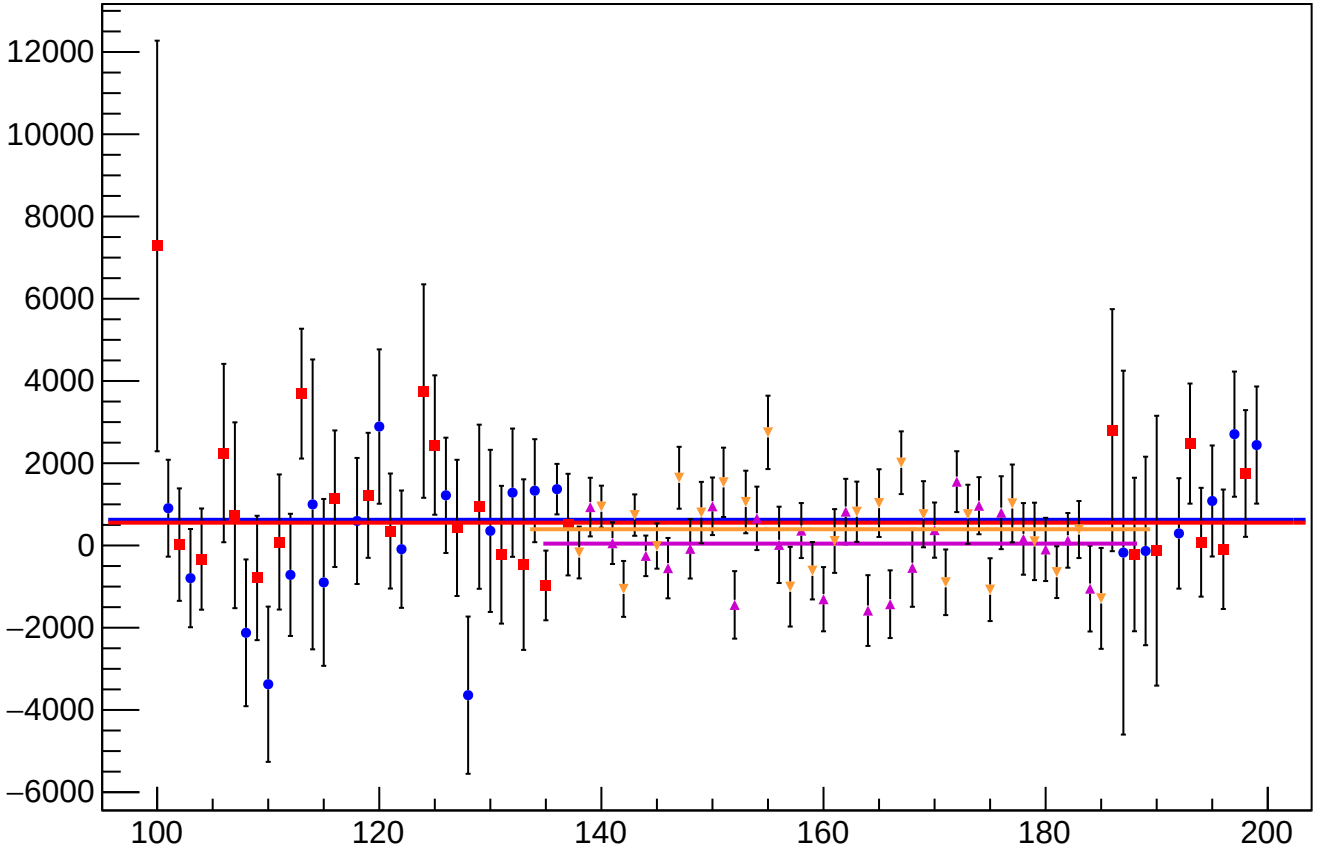
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.480+/-0.170 χ^2/NDF: 770486.5/46

All: 1331.377+/-0.120 χ^2/NDF: 939470.9/95

- sign 1333.278+/-0.170 χ^2/NDF: 168735.4/48

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 624.239+/-301.489 χ^2/NDF: 22.4/21

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 554.356+/-311.001 χ^2/NDF: 18.2/25

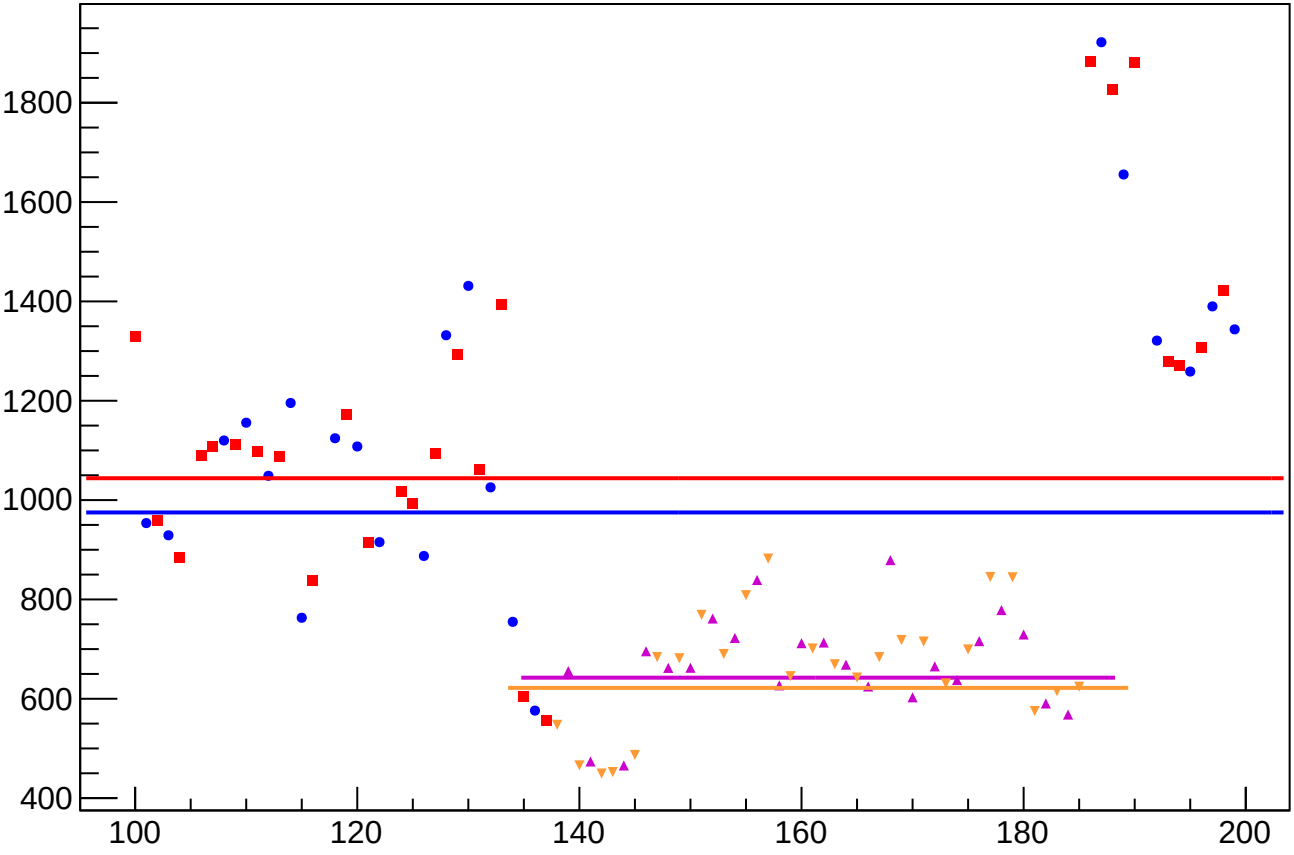
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 437.464+/-130.351 χ^2/NDF: 64.7/46

All: 297.513+/-94.371 χ^2/NDF: 115.1/95

- sign 143.368+/-136.803 χ^2/NDF: 48.0/48

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 975.094+/-0.213 χ^2/NDF: 1965805.1/21

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1044.034+/-0.220 χ^2/NDF: 2002799.7/25

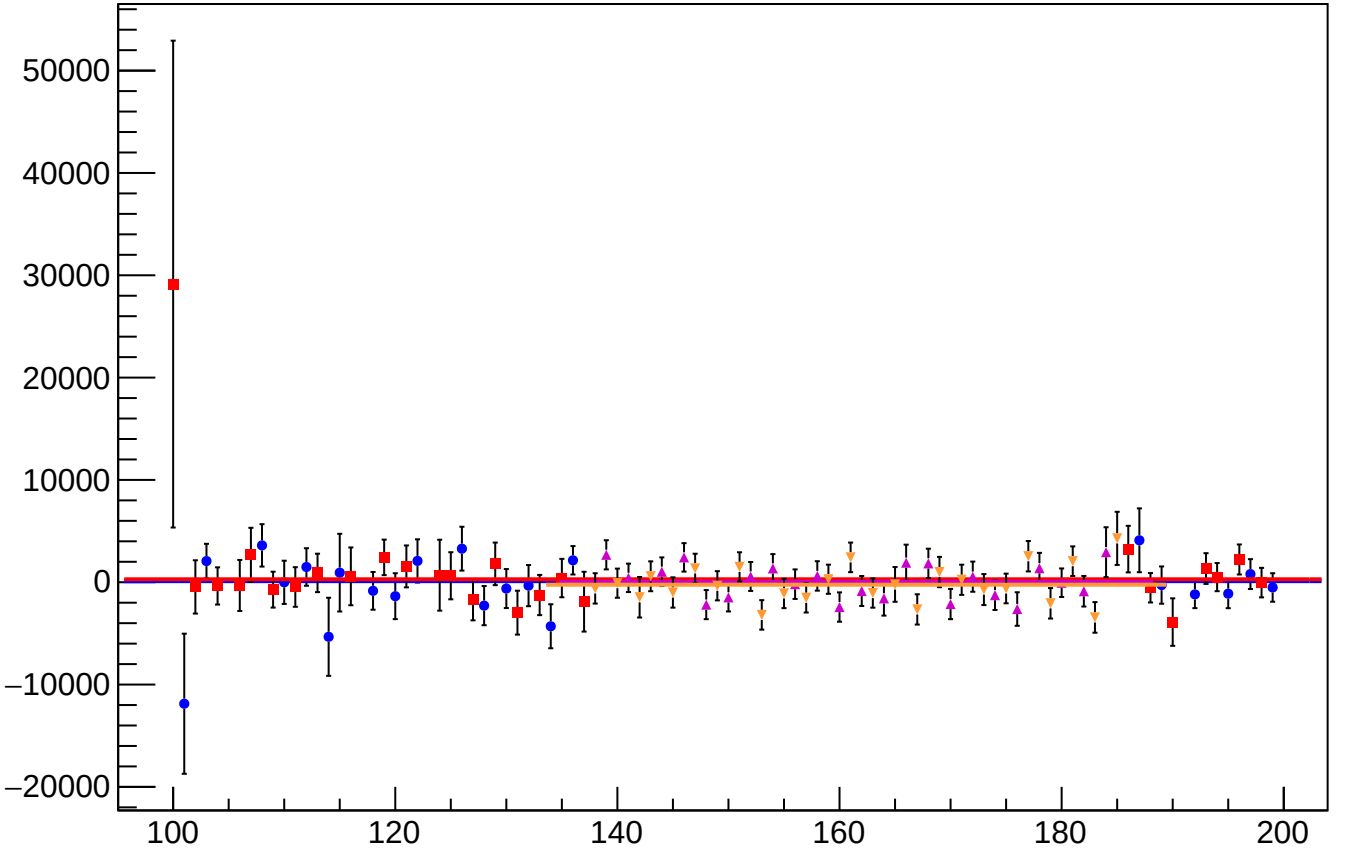
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 687.965+/-0.092 χ^2/NDF: 5580252.3/46

All: 703.288+/-0.067 χ^2/NDF: 11256770.4/95

- sign 720.166+/-0.097 χ^2/NDF: 5618438.0/48

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 106.857+/-402.602 χ^2/NDF: 25.6/21

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 289.212+/-385.279 χ^2/NDF: 17.7/25

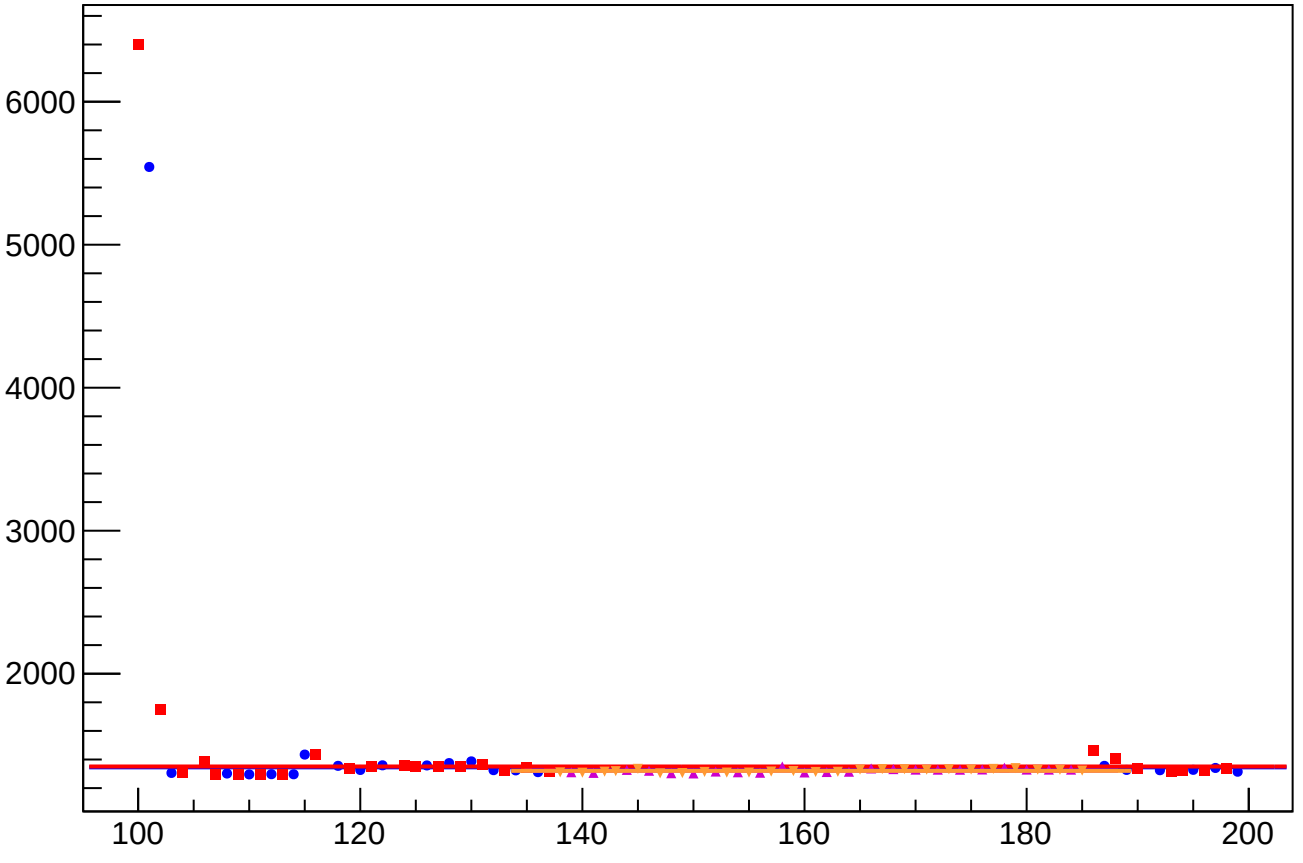
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -116.725+/-240.563 χ^2/NDF: 57.8/46

All: 9.932+/-170.213 χ^2/NDF: 103.4/95

- sign 136.915+/-240.871 χ^2/NDF: 45.1/48

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1345.220+/-0.285 χ^2/NDF: 763130.1/21

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

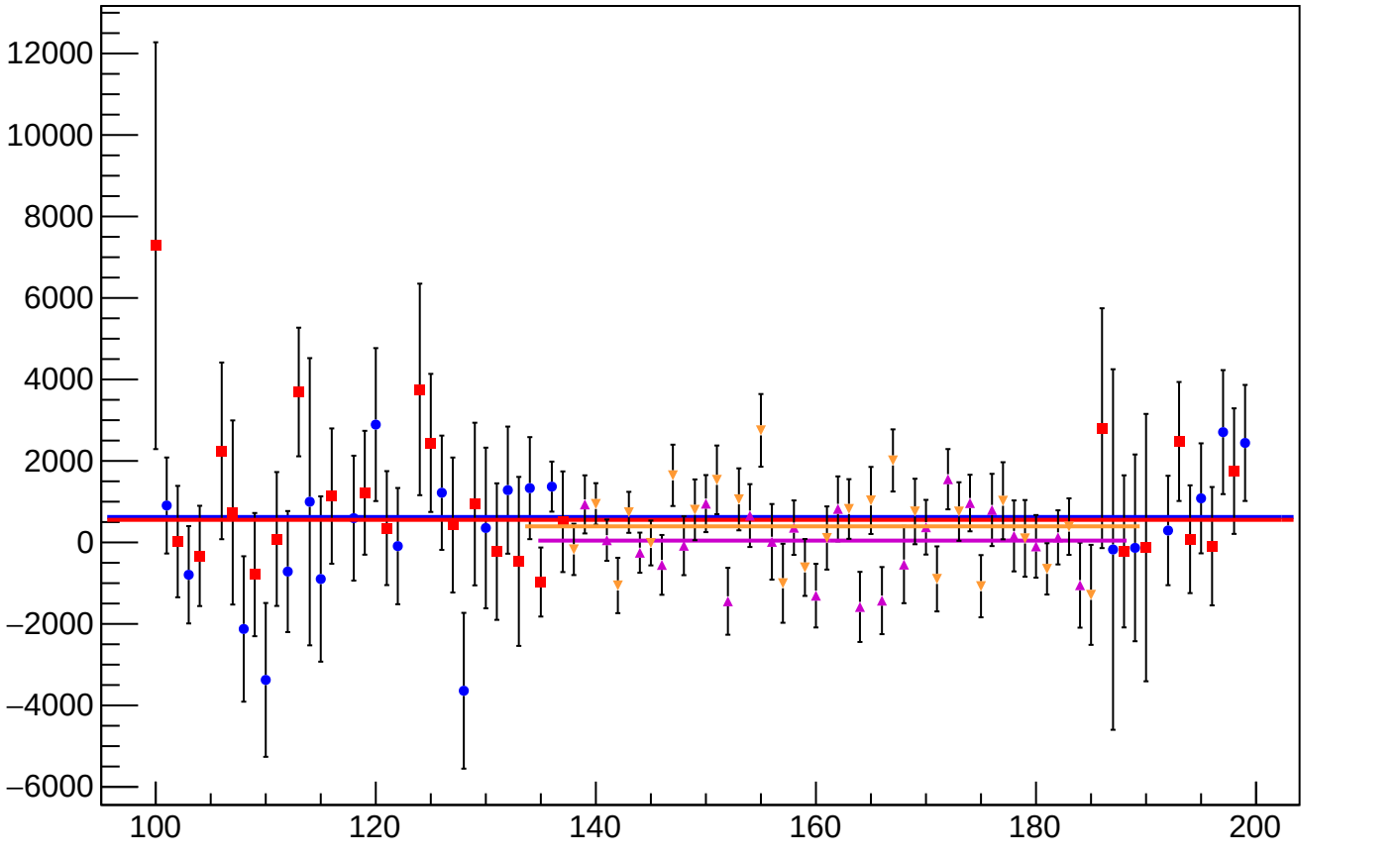
Right Out: 1351.194+/-0.272 χ^2/NDF: 158082.5/25

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.480+/-0.170 χ^2/NDF: 770486.5/46

All: 1331.377+/-0.120 χ^2/NDF: 939470.9/95

- sign 1333.278+/-0.170 χ^2/NDF: 168735.4/48


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: 624.239+/-301.489 χ²/NDF: 22.4/21
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: 554.356+/-311.001 χ²/NDF: 18.2/25
Left In: 44.766+/-152.332 χ²/NDF:27.6/22
+ sign 437.464+/-130.351 χ²/NDF: 64.7/46
All: 297.513+/-94.371 χ²/NDF: 115.1/95
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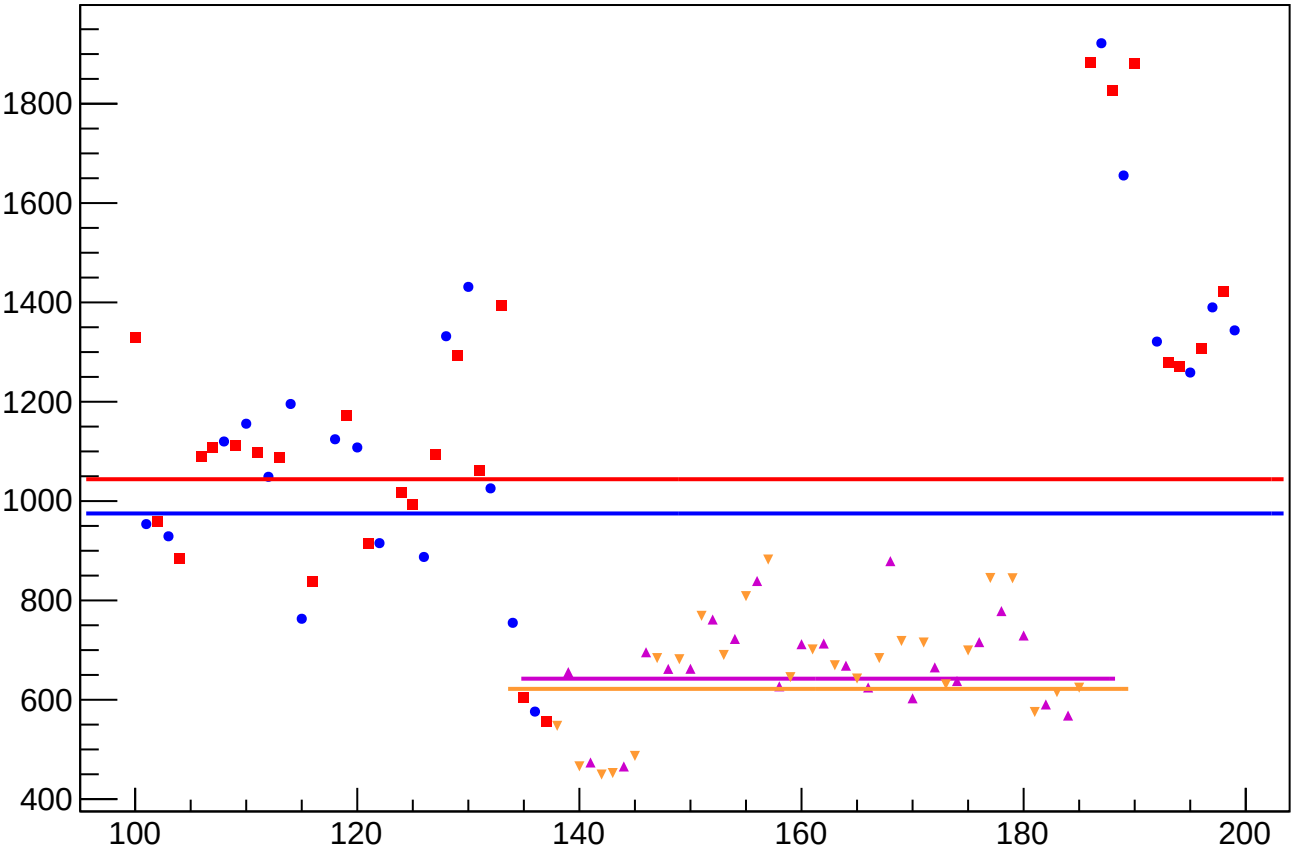


Right In: 975.094+/-0.213 χ^2/NDF: 1965805.1/21

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1044.034+/-0.220 χ^2/NDF: 2002799.7/25

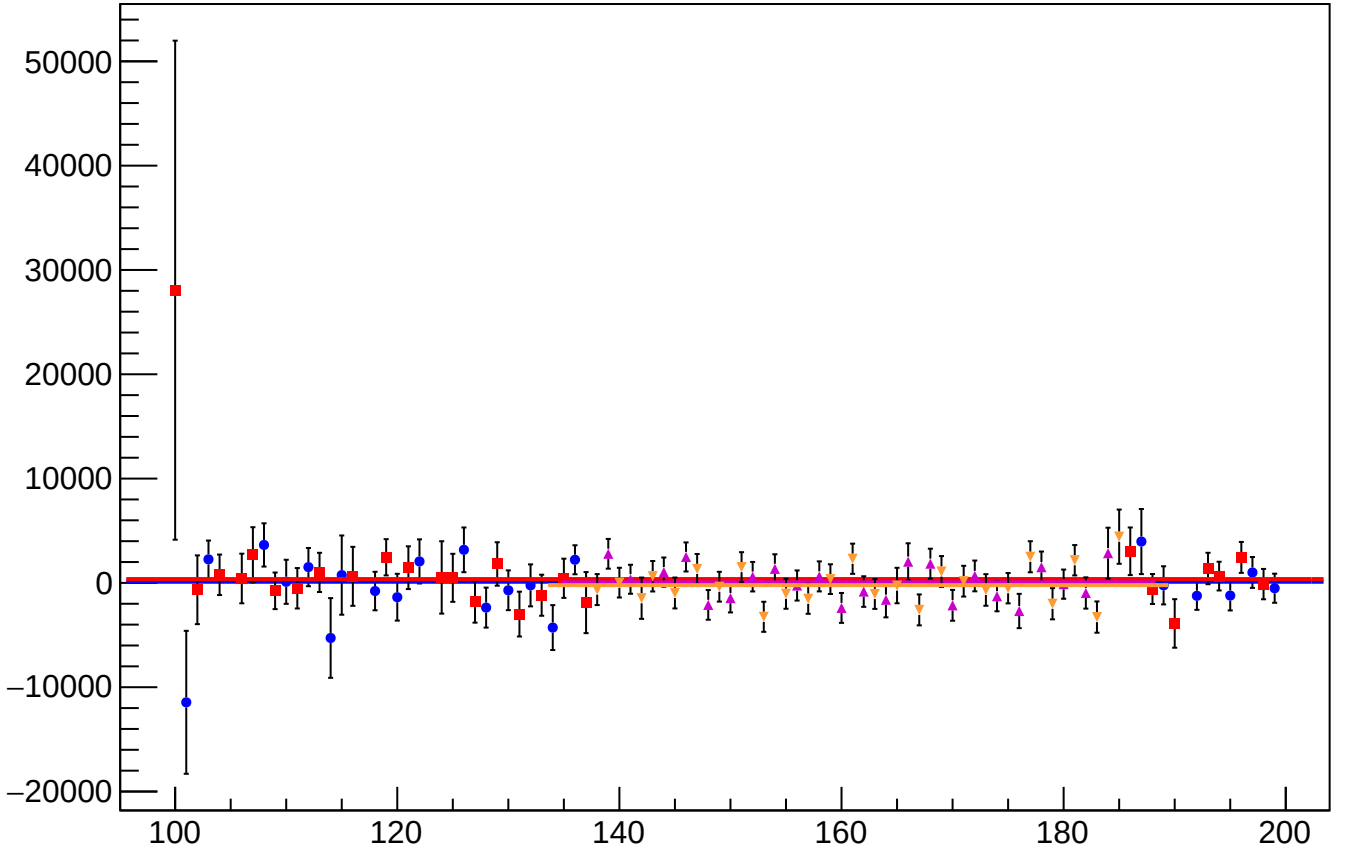
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 687.965+/-0.092 χ^2/NDF: 5580252.3/46

All: 703.288+/-0.067 χ^2/NDF: 11256770.4/95

- sign 720.166+/-0.097 χ^2/NDF: 5618438.0/48

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 112.218+/-404.916 χ^2/NDF: 25.7/21

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 367.686+/-388.246 χ^2/NDF: 17.8/25

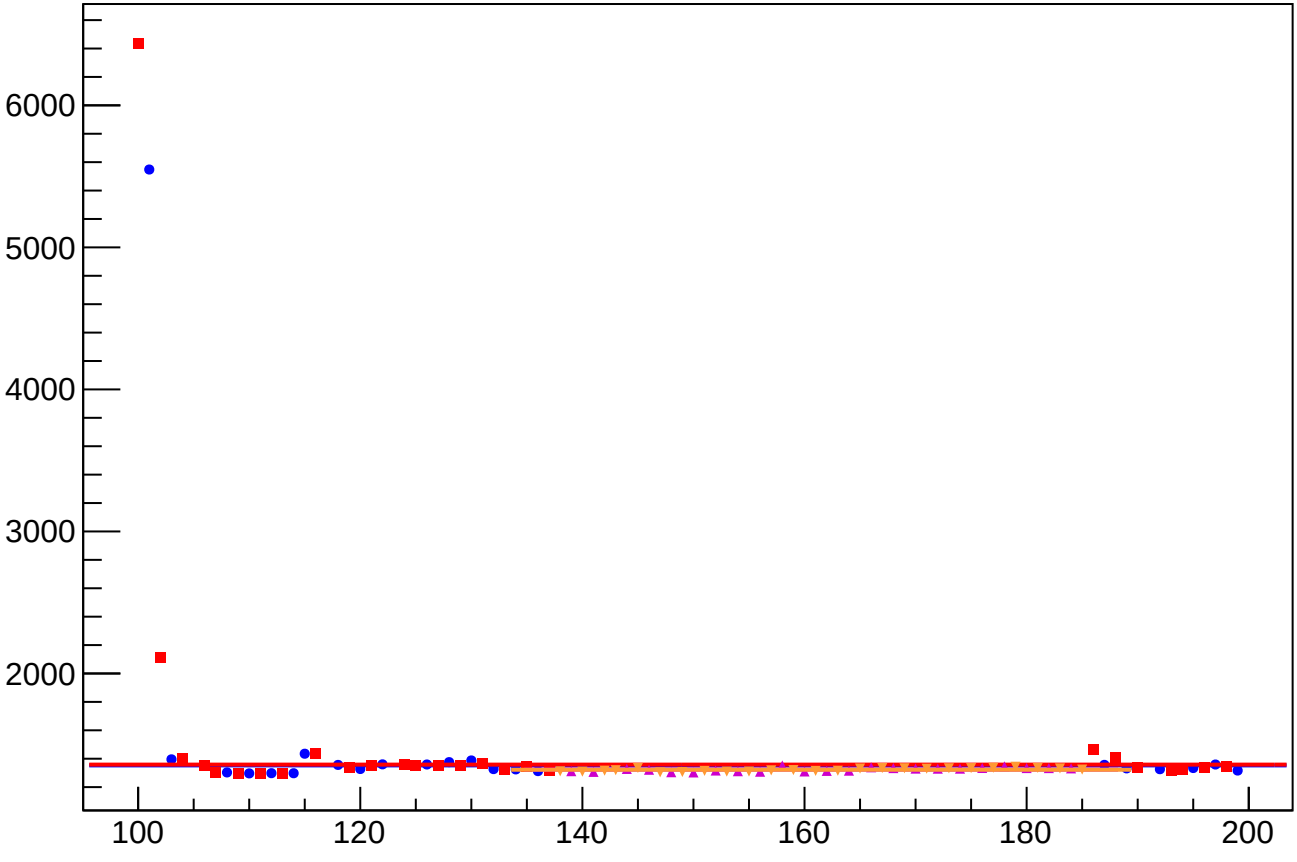
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -98.869+/-241.246 χ^2/NDF: 57.4/46

All: 36.942+/-170.770 χ^2/NDF: 104.0/95

- sign 173.339+/-241.766 χ^2/NDF: 46.0/48

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1352.927+/-0.286 χ^2/NDF: 762848.1/21

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1358.439+/-0.275 χ^2/NDF: 215672.5/25

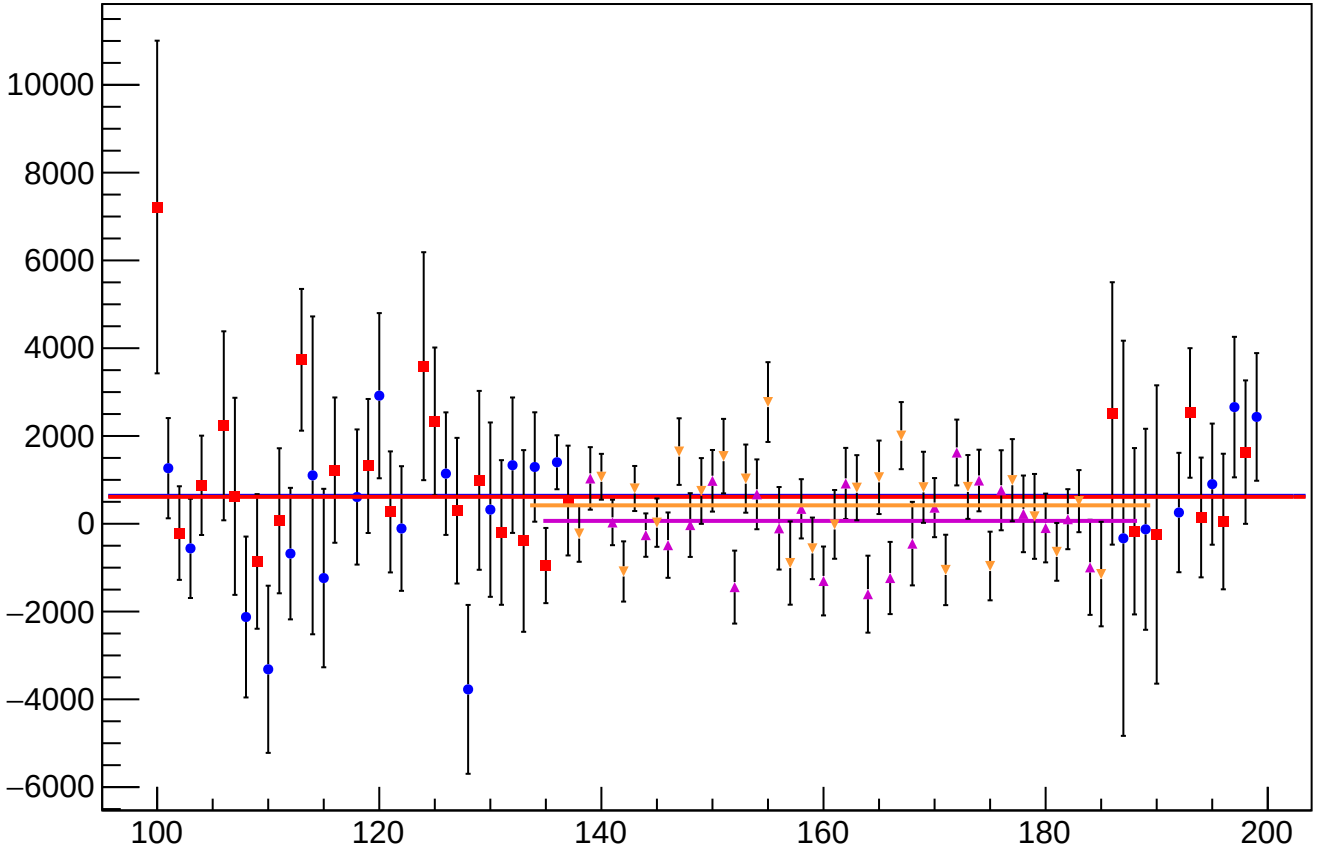
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.216+/-0.171 χ^2/NDF: 773127.4/46

All: 1335.078+/-0.121 χ^2/NDF: 1002904.1/95

- sign 1336.949+/-0.171 χ^2/NDF: 229537.8/48

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 636.647+/-301.520 χ^2/NDF: 22.2/21

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 613.353+/-306.934 χ^2/NDF: 18.6/25

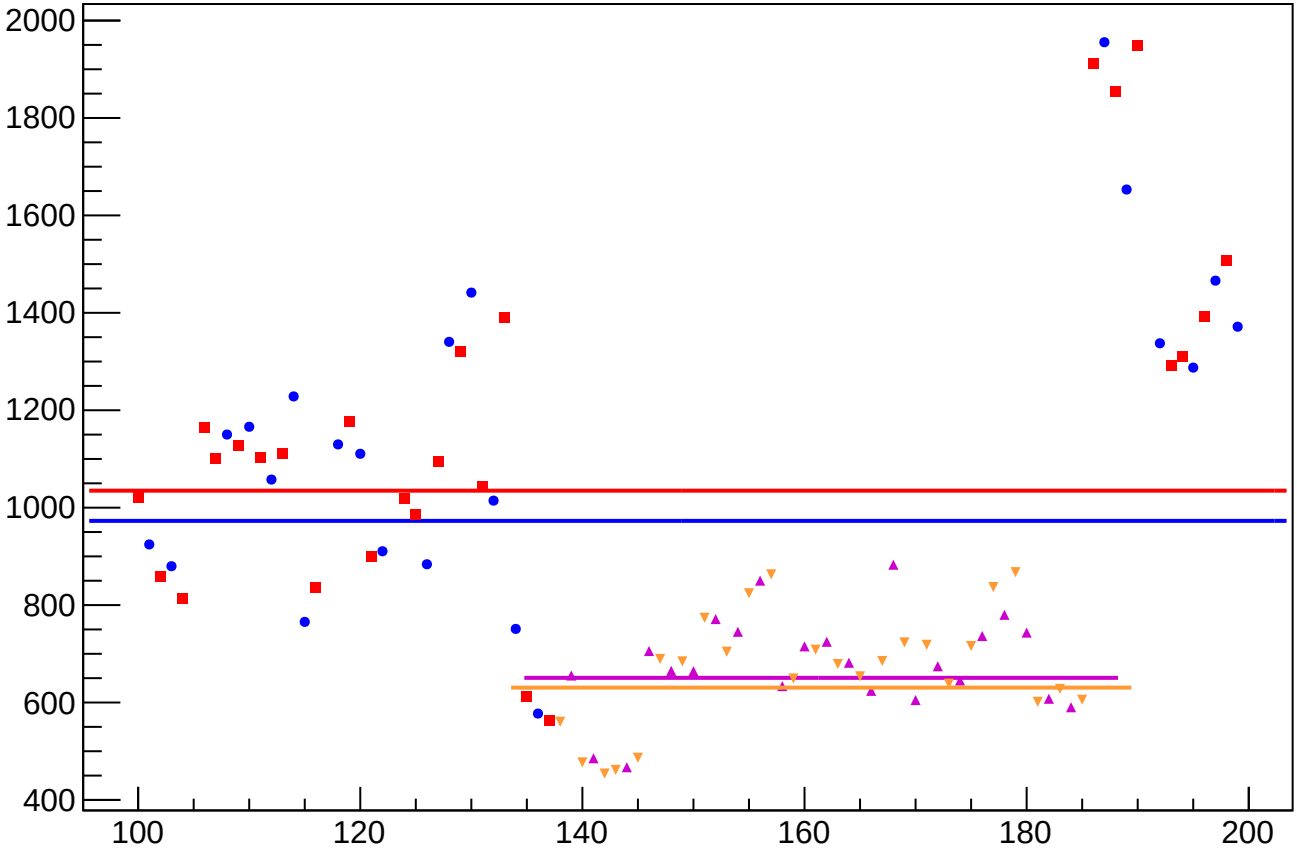
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 461.265+/-131.723 χ^2/NDF: 64.2/46

All: 325.001+/-95.220 χ^2/NDF: 114.6/95

- sign 175.861+/-137.806 χ^2/NDF: 48.2/48

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 972.923+/-0.213 χ^2/NDF: 2073134.7/21

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1034.912+/-0.217 χ^2/NDF: 2204411.7/25

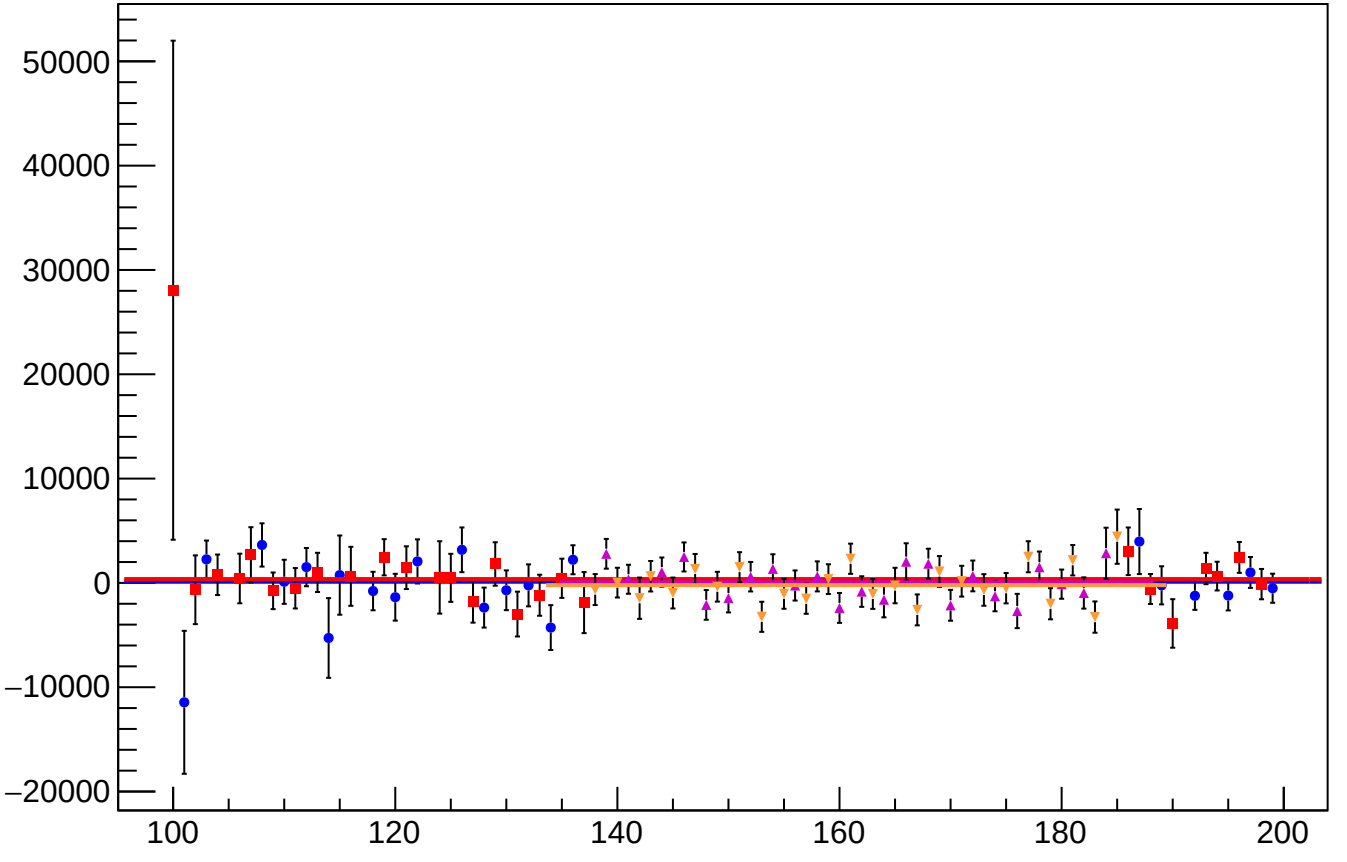
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 695.925+/-0.093 χ^2/NDF: 5487747.5/46

All: 711.287+/-0.067 χ^2/NDF: 11174185.4/95

- sign 728.099+/-0.097 χ^2/NDF: 5629470.3/48

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 112.217+/-404.916 χ^2/NDF: 25.7/21

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 367.684+/-388.246 χ^2/NDF: 17.8/25

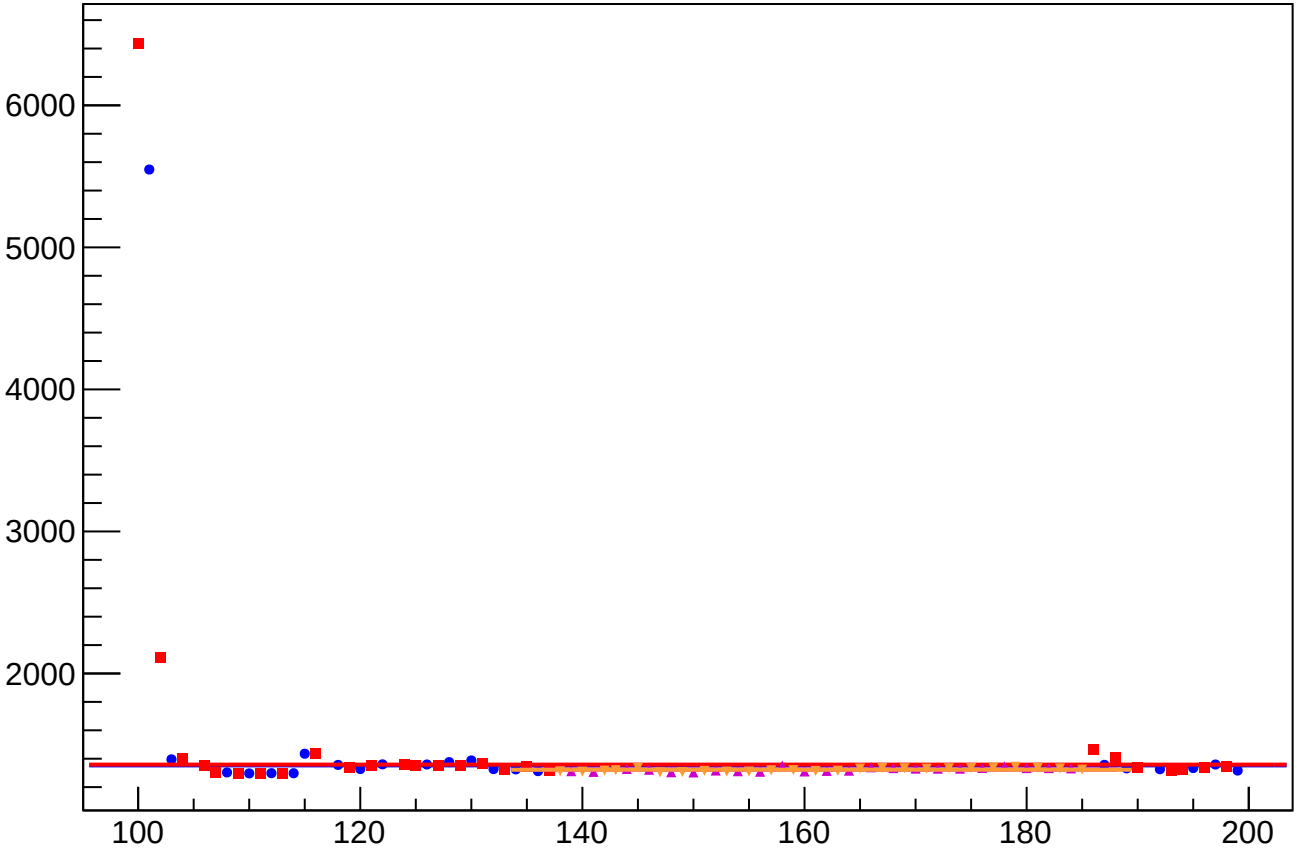
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -98.871+/-241.246 χ^2/NDF: 57.4/46

All: 36.941+/-170.770 χ^2/NDF: 104.0/95

- sign 173.339+/-241.766 χ^2/NDF: 46.0/48

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1352.927+/-0.286 χ^2/NDF: 762848.1/21

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

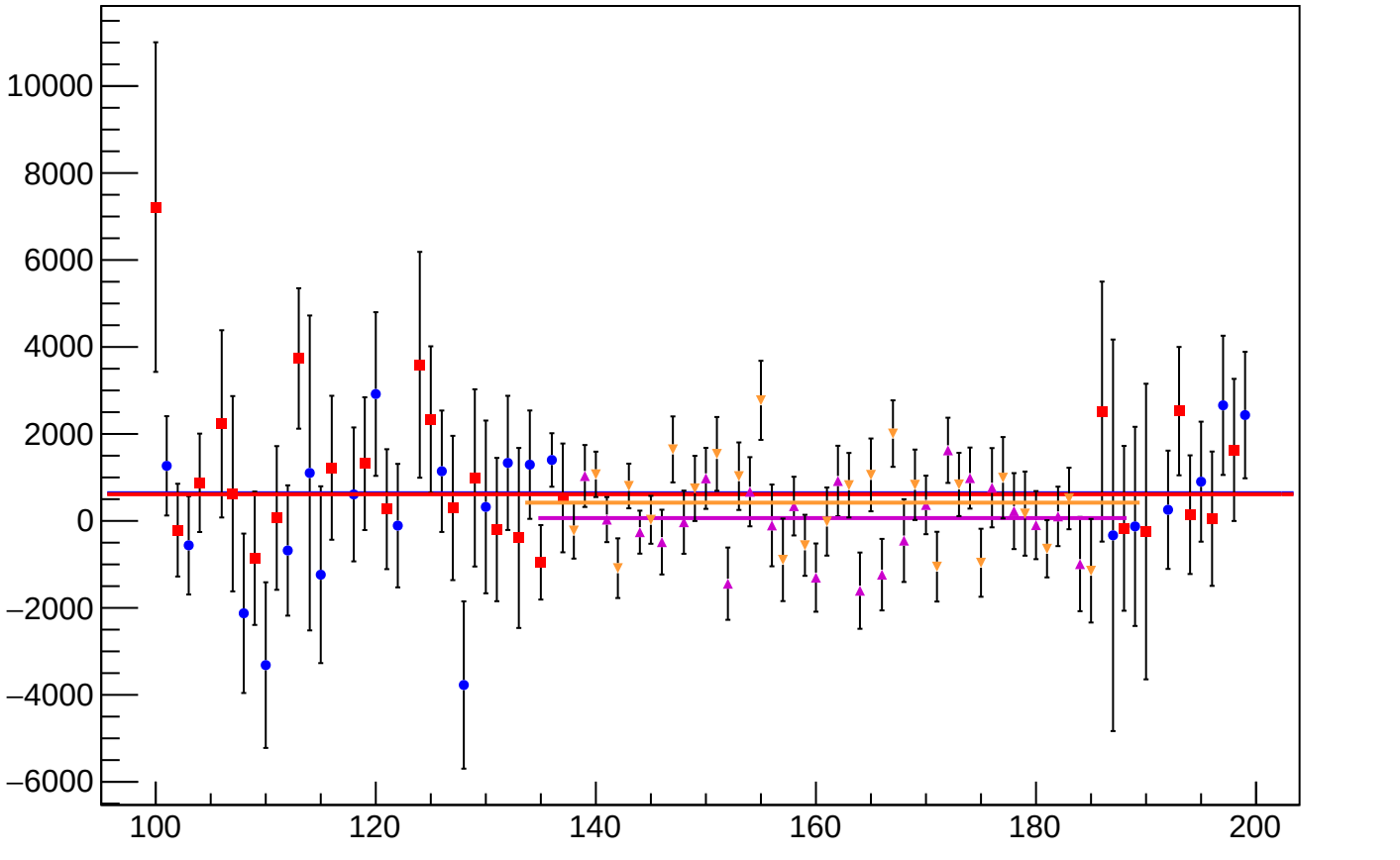
Right Out: 1358.439+/-0.275 χ^2/NDF: 215672.4/25

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.216+/-0.171 χ^2/NDF: 773127.4/46

All: 1335.078+/-0.121 χ^2/NDF: 1002904.0/95

- sign 1336.949+/-0.171 χ^2/NDF: 229537.7/48



Right In: 636.644+/-301.520 χ^2/NDF: 22.2/21

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 613.353+/-306.933 χ^2/NDF: 18.6/25

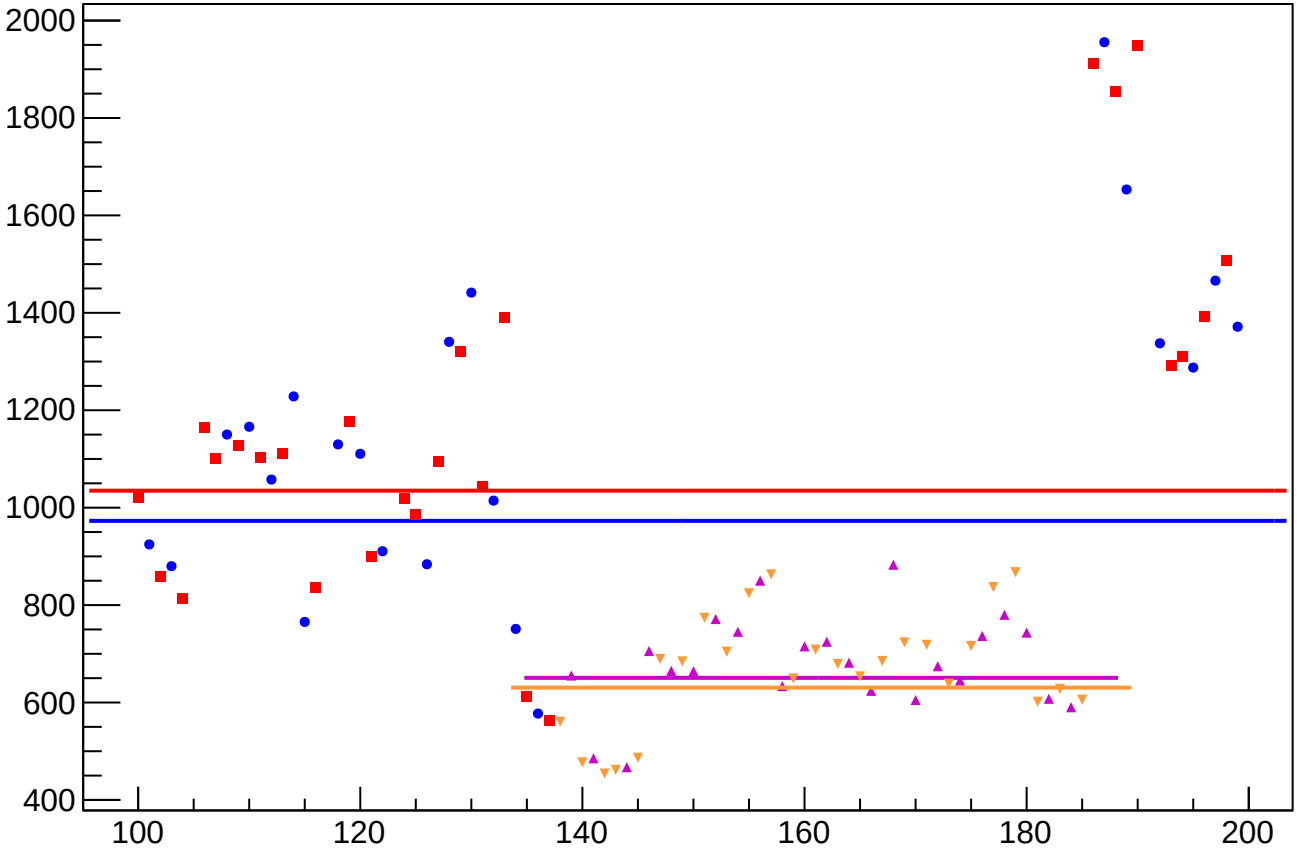
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

\+ sign 461.265+/-131.723 χ^2/NDF: 64.2/46

All: 325.001+/-95.220 χ^2/NDF: 114.6/95

\- sign 175.861+/-137.806 χ^2/NDF: 48.2/48

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 972.921+/-0.213 χ^2/NDF: 2073139.9/21

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1034.910+/-0.217 χ^2/NDF: 2204413.1/25

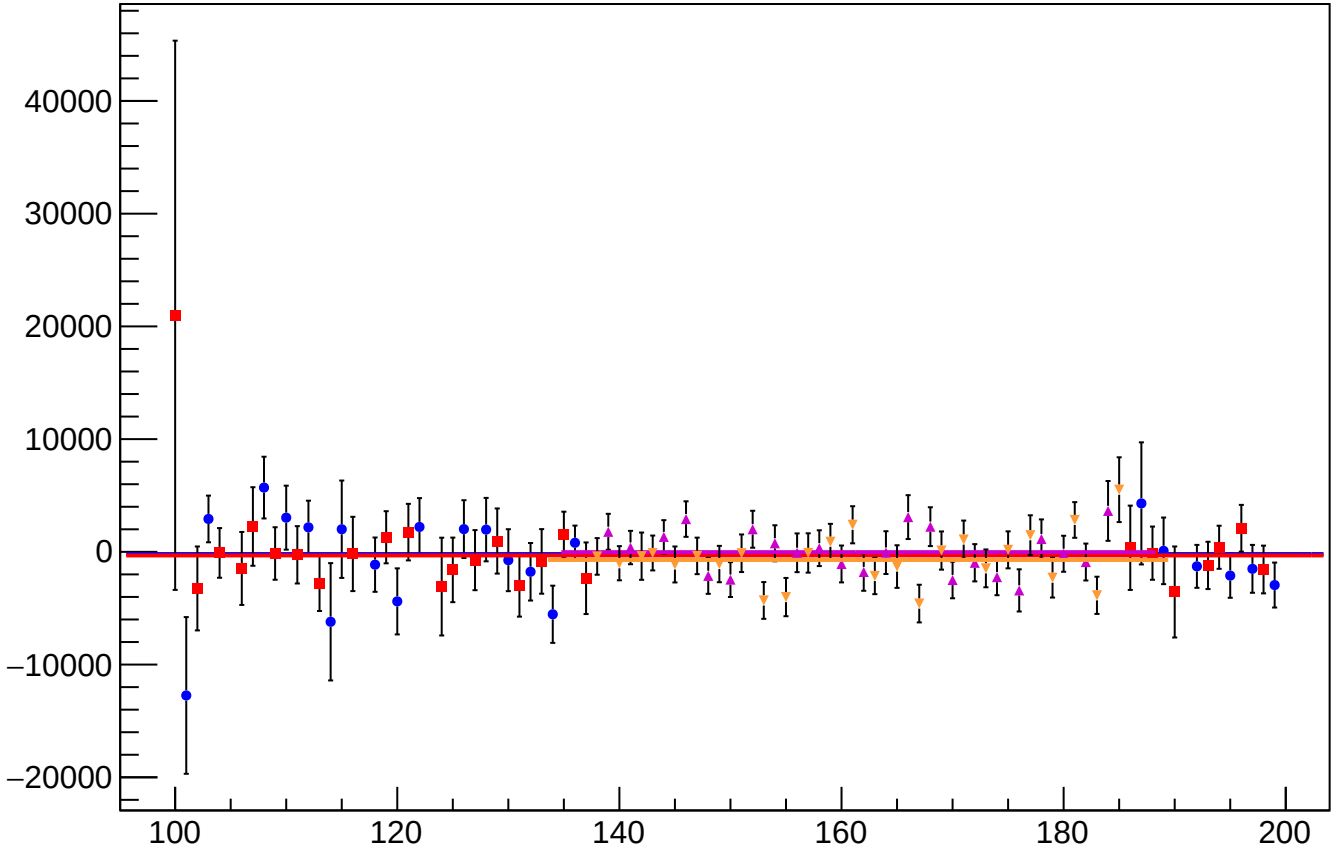
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 695.926+/-0.093 χ^2/NDF: 5487742.8/46

All: 711.287+/-0.067 χ^2/NDF: 11174158.8/95

- sign 728.100+/-0.097 χ^2/NDF: 5629446.6/48

asym_usr_atr1_dd_mean vs Slug



Right In: -196.907+/-532.330 χ^2/NDF: 28.0/21

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -317.163+/-520.218 χ^2/NDF: 10.0/25

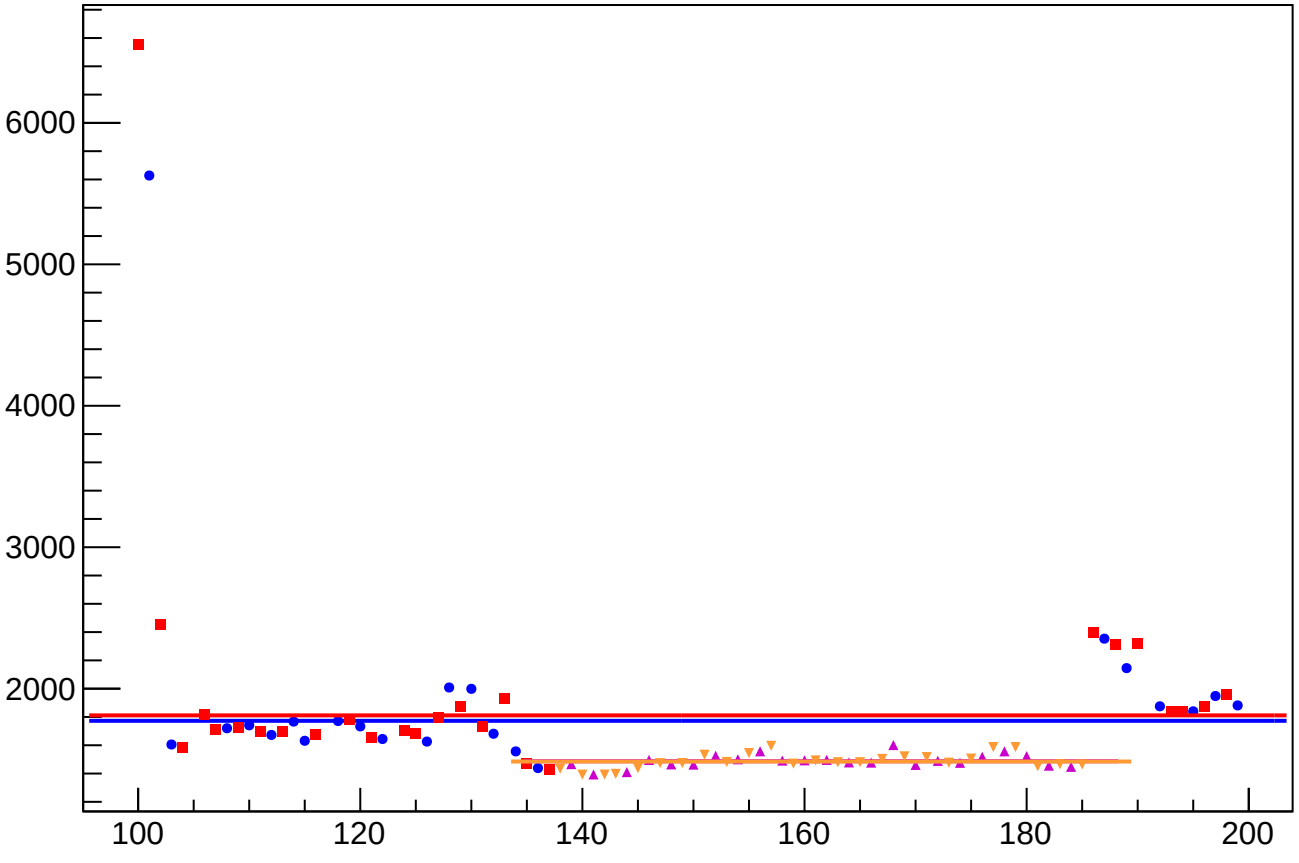
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -568.754+/-285.087 χ^2/NDF: 66.4/46

All: -345.814+/-202.926 χ^2/NDF: 105.8/95

- sign -116.851+/-288.912 χ^2/NDF: 38.2/48

asym_usr_atr1_dd_rms vs Slug



Right In: 1772.819+/-0.376 χ^2/NDF: 870220.7/21

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1811.185+/-0.368 χ^2/NDF: 458106.4/25

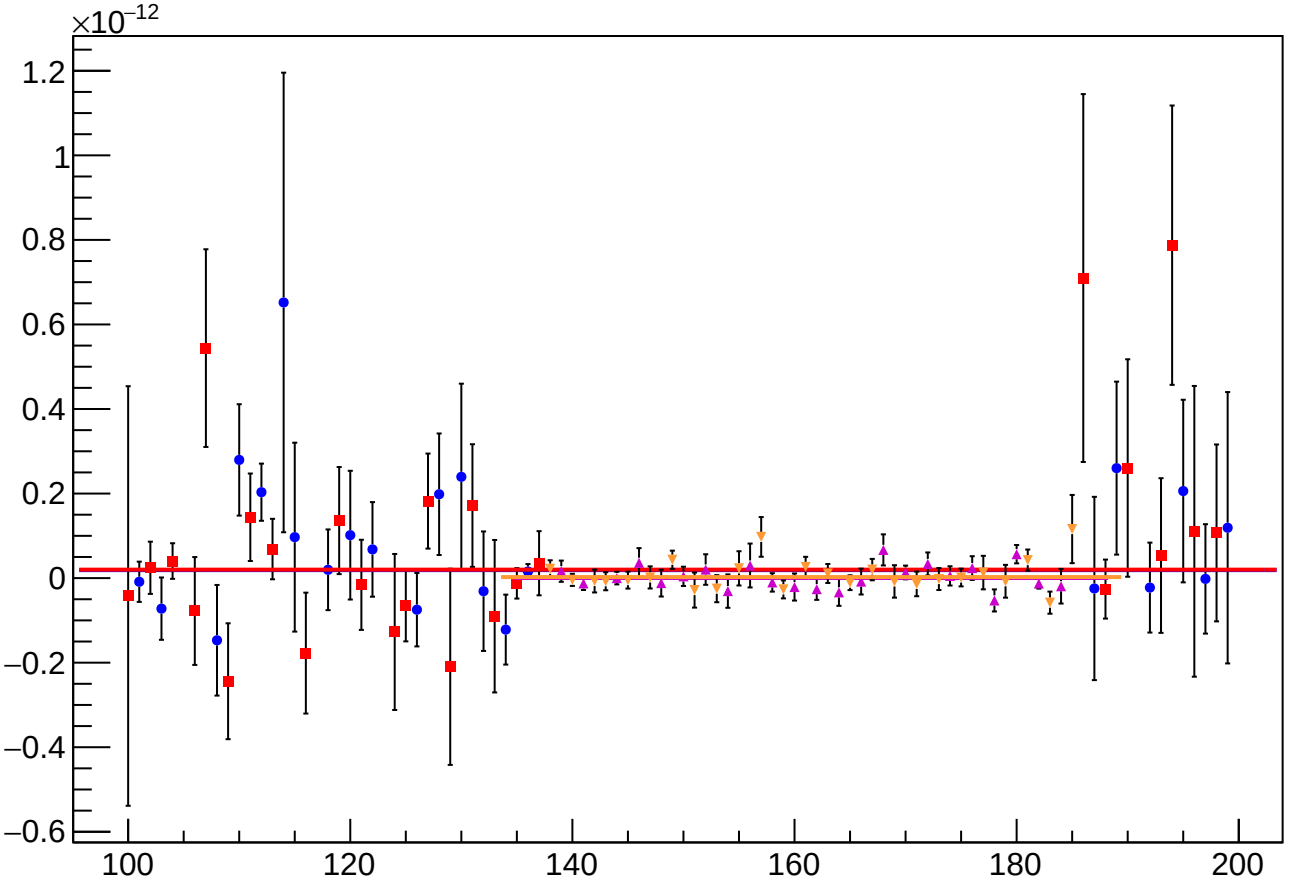
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1567.521+/-0.202 χ^2/NDF: 1338219.4/46

All: 1577.164+/-0.143 χ^2/NDF: 2372540.5/95

- 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: 26.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/25

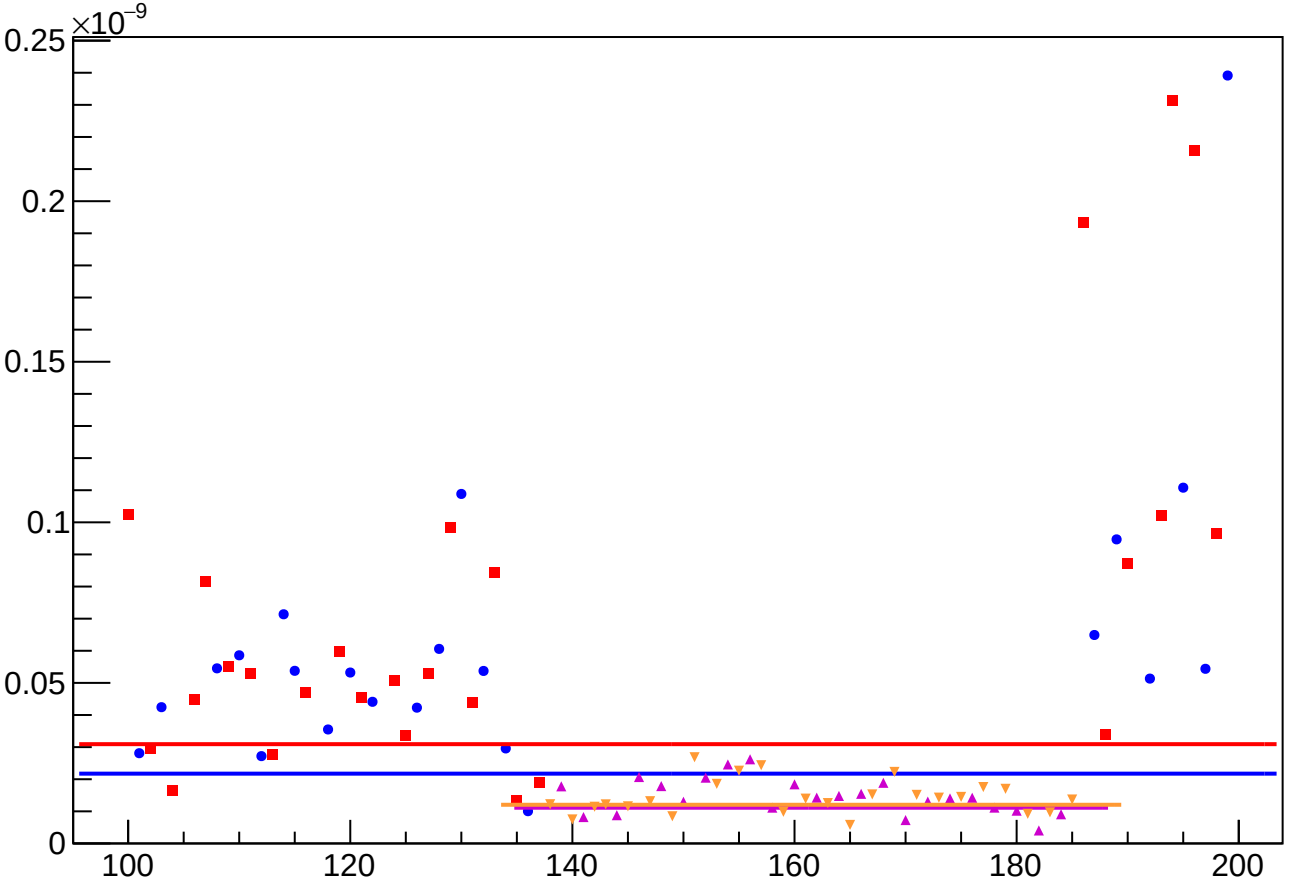
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.7/46

All: 0.000+/-0.000 χ^2/NDF: 109.7/95

- 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: 4200259.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

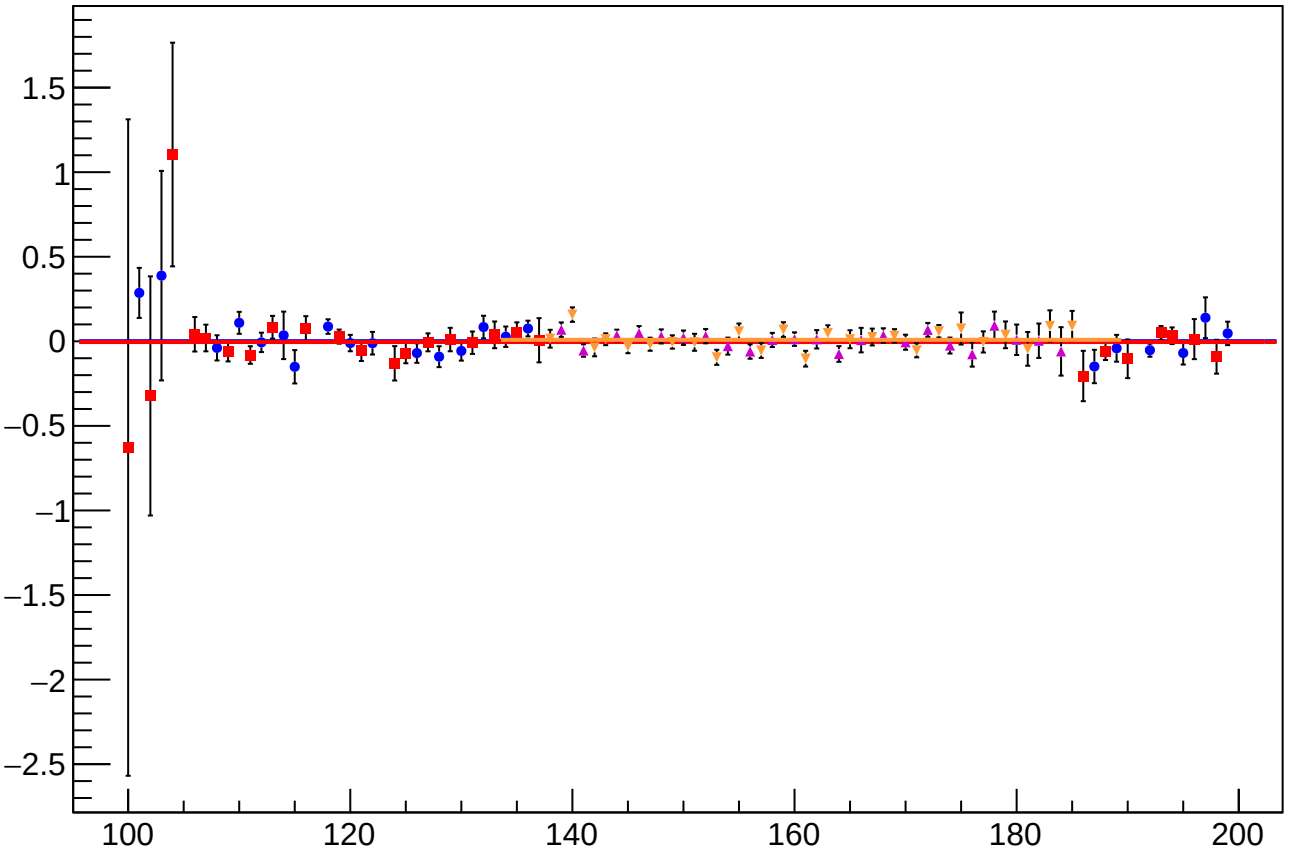
Right Out: 0.000+/-0.000 χ^2/NDF: 3907538.1/25

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6566311.3/46

All: 0.000+/-0.000 χ^2/NDF: 14924339.5/95

- sign 0.000+/-0.000 χ^2/NDF: 8337137.5/48



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/25

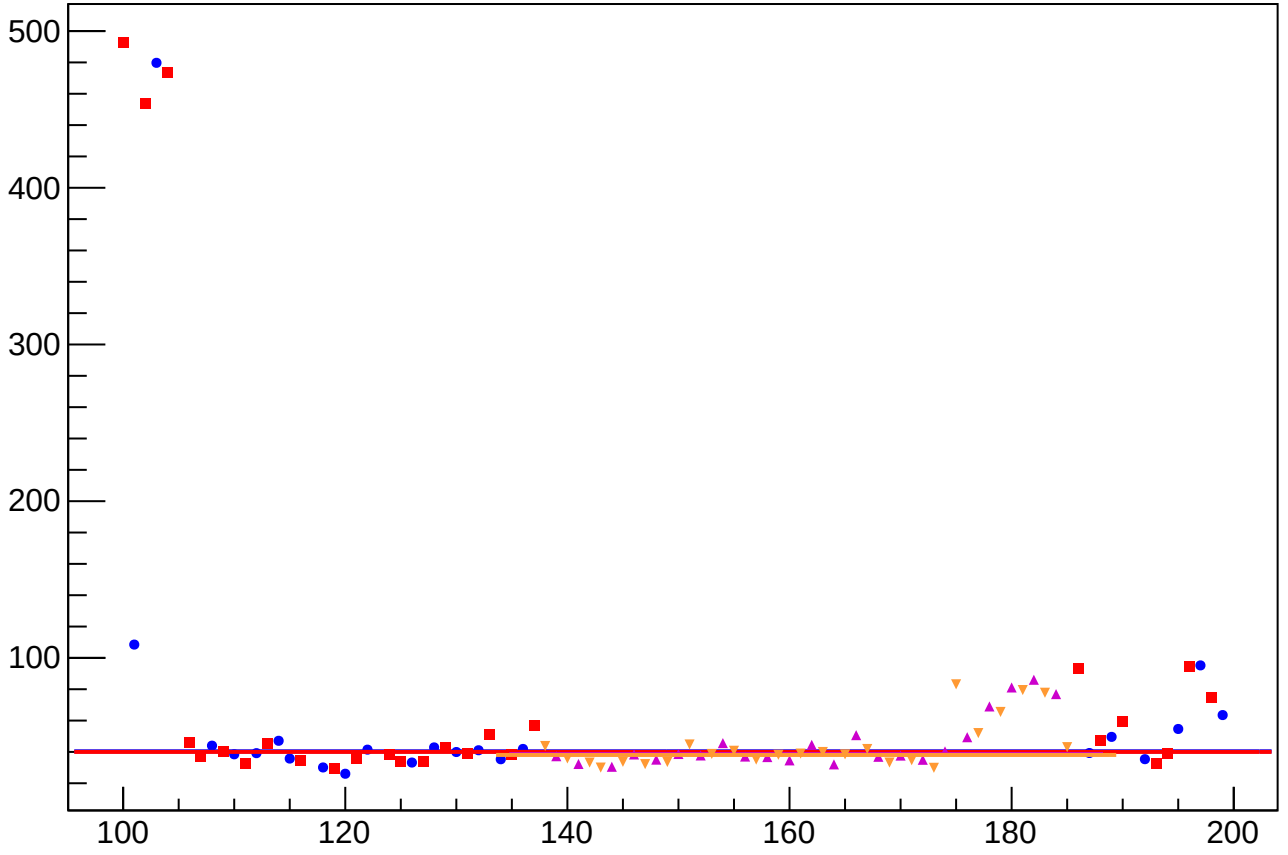
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.9/46

All: 0.005+/-0.006 χ^2/NDF: 110.1/95

- sign 0.004+/-0.008 χ^2/NDF: 41.2/48

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.392+/-0.010 χ^2/NDF: 2571024.3/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

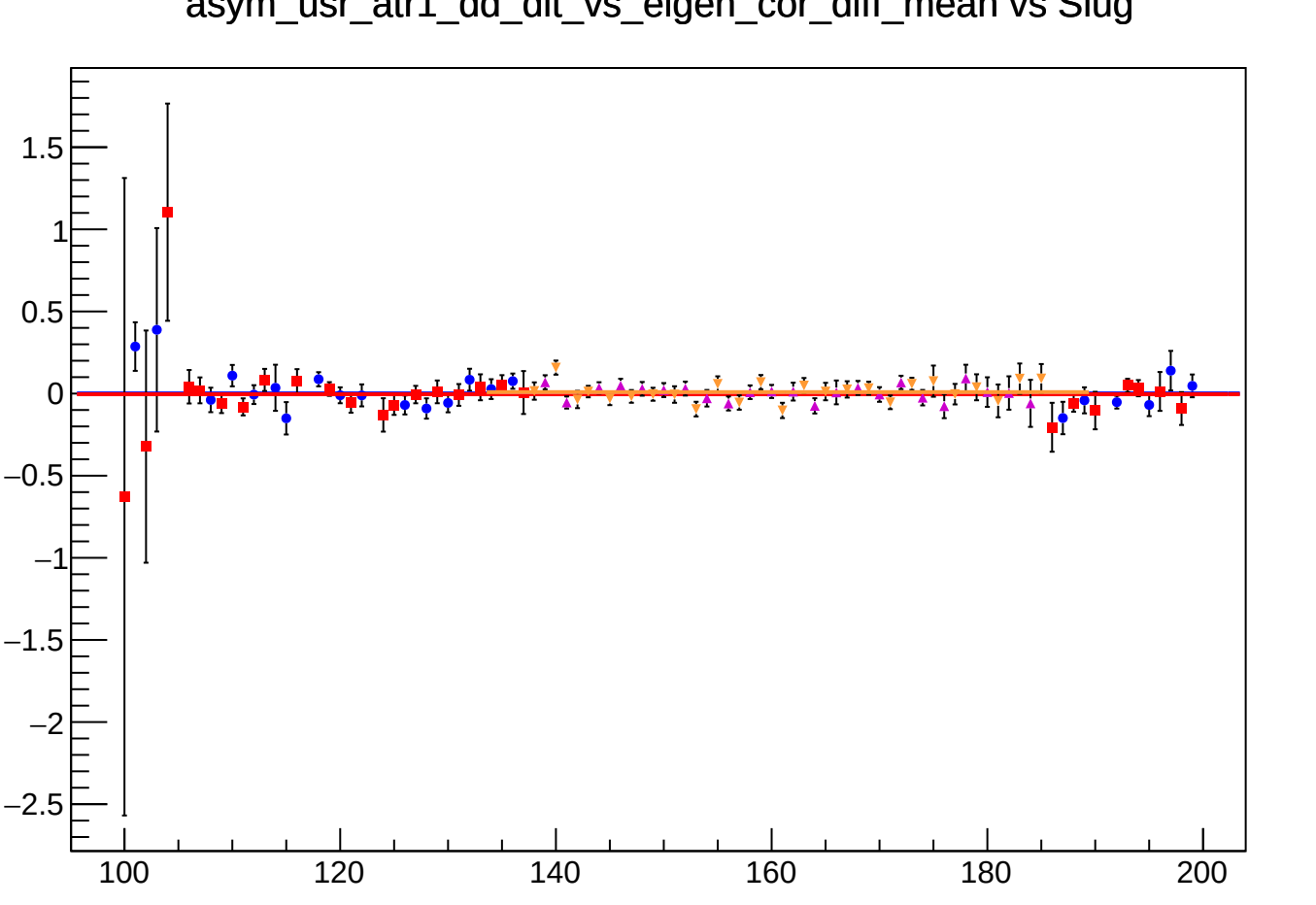
Right Out: 40.009+/-0.009 χ^2/NDF: 3084254.7/25

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.833+/-0.006 χ^2/NDF: 4576988.9/46

All: 38.973+/-0.004 χ^2/NDF: 9403939.1/95

- sign 39.119+/-0.006 χ^2/NDF: 4825638.0/48



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/25

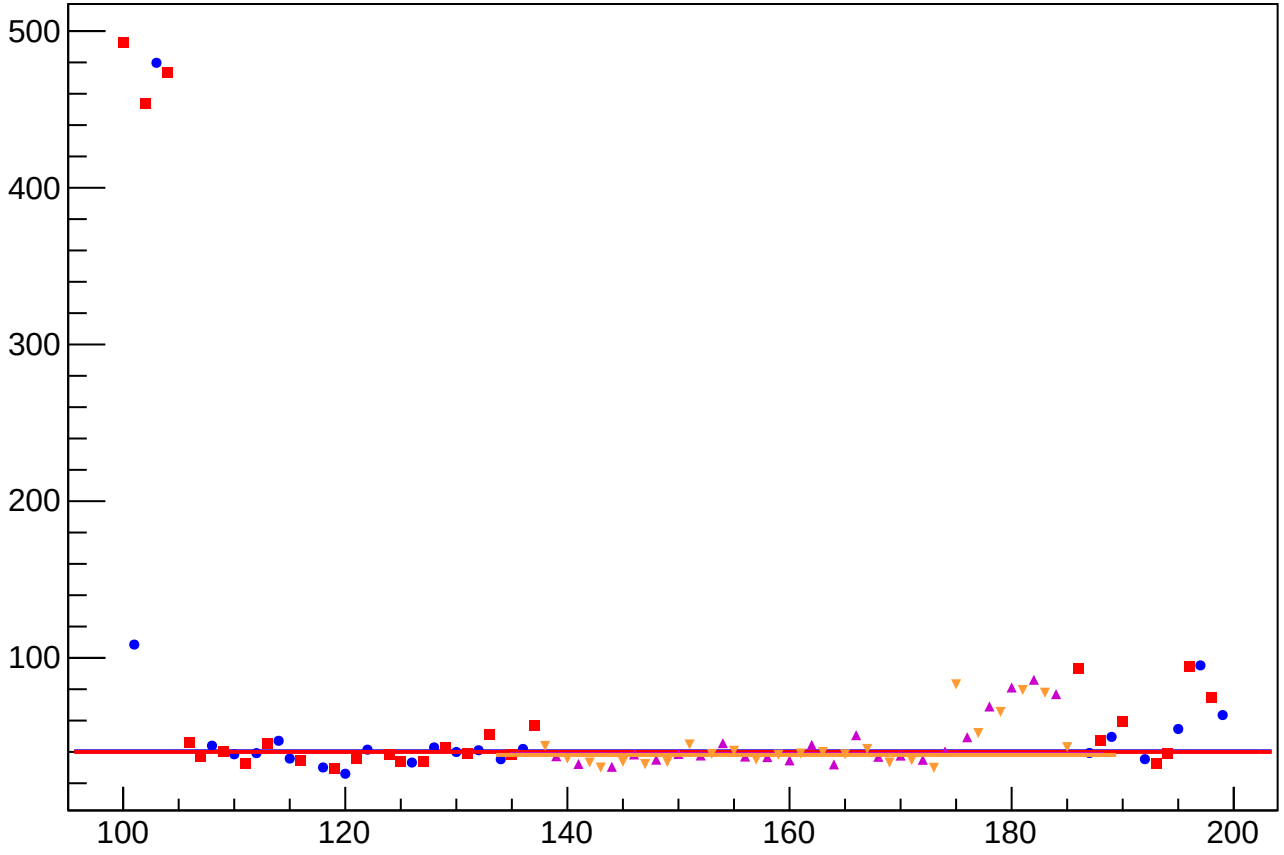
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.9/46

All: 0.005+/-0.006 χ^2/NDF: 110.1/95

- sign 0.004+/-0.008 χ^2/NDF: 41.2/48

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.392+/-0.010 χ^2/NDF: 2571024.3/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

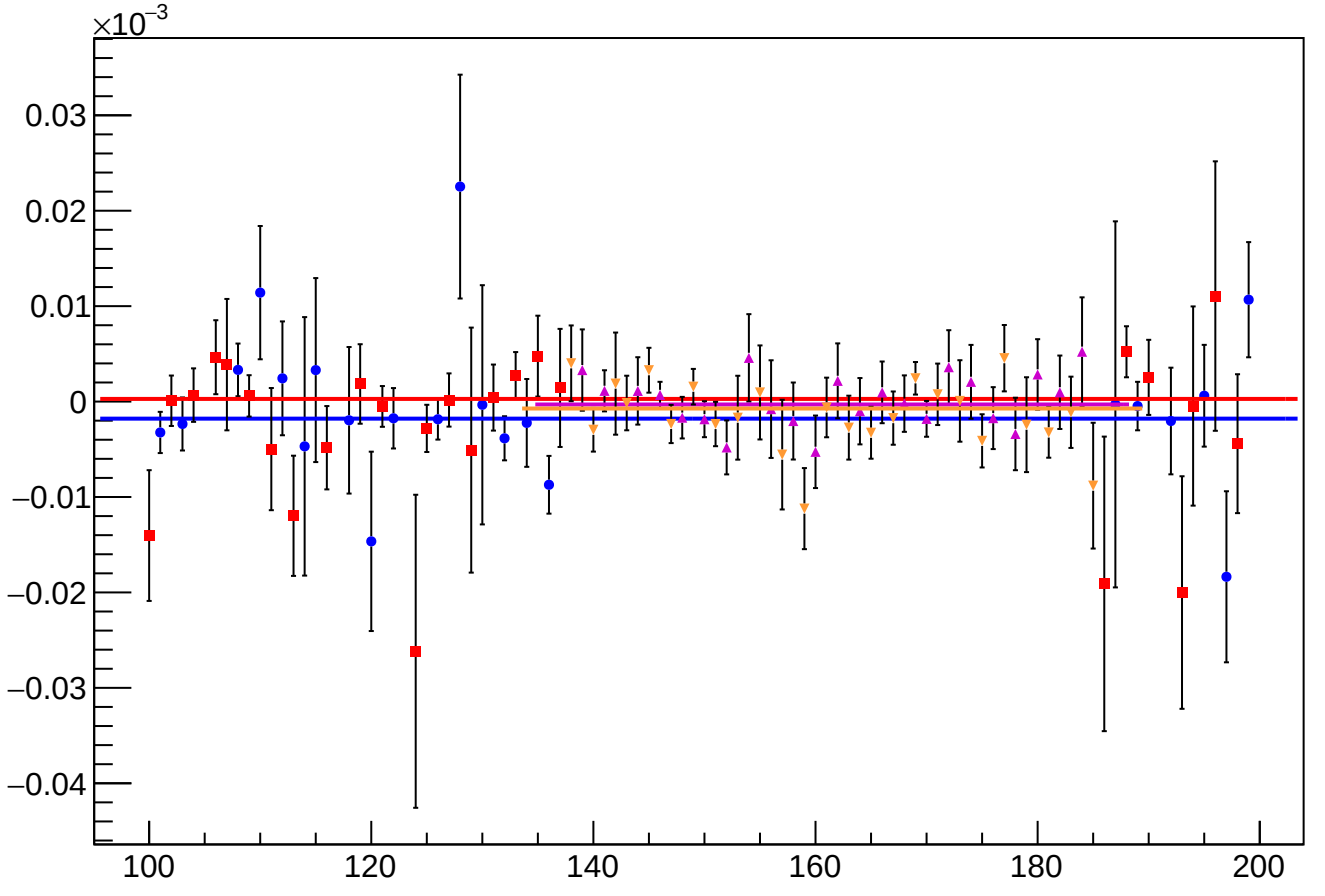
Right Out: 40.009+/-0.009 χ^2/NDF: 3084254.7/25

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.833+/-0.006 χ^2/NDF: 4576988.9/46

All: 38.973+/-0.004 χ^2/NDF: 9403939.1/95

- sign 39.119+/-0.006 χ^2/NDF: 4825638.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

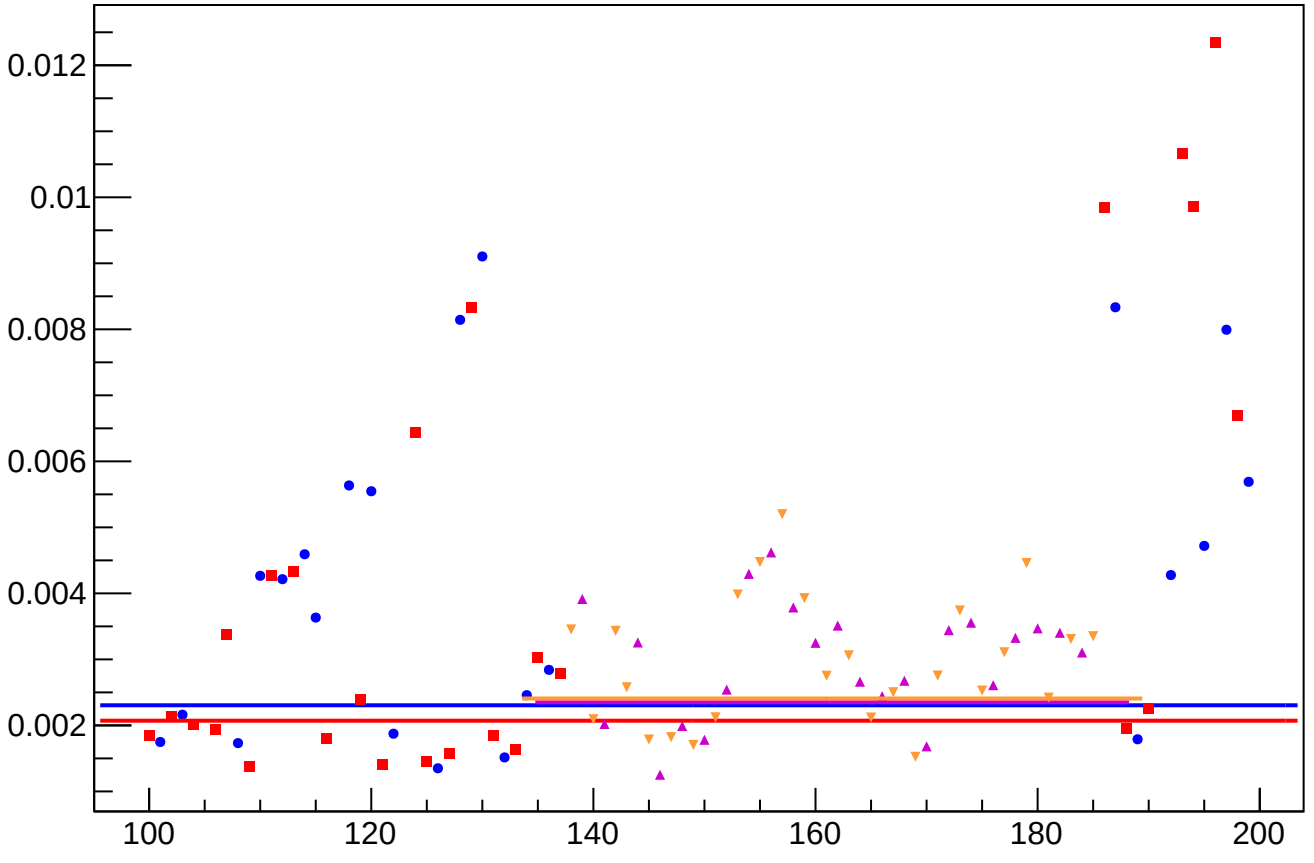
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/25

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/46

All: -0.000+/-0.000 χ^2/NDF: 100.6/95

- sign -0.000+/-0.000 χ^2/NDF: 41.8/48



Right In: 0.002+/-0.000 χ^2/NDF: 5490796.7/21

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

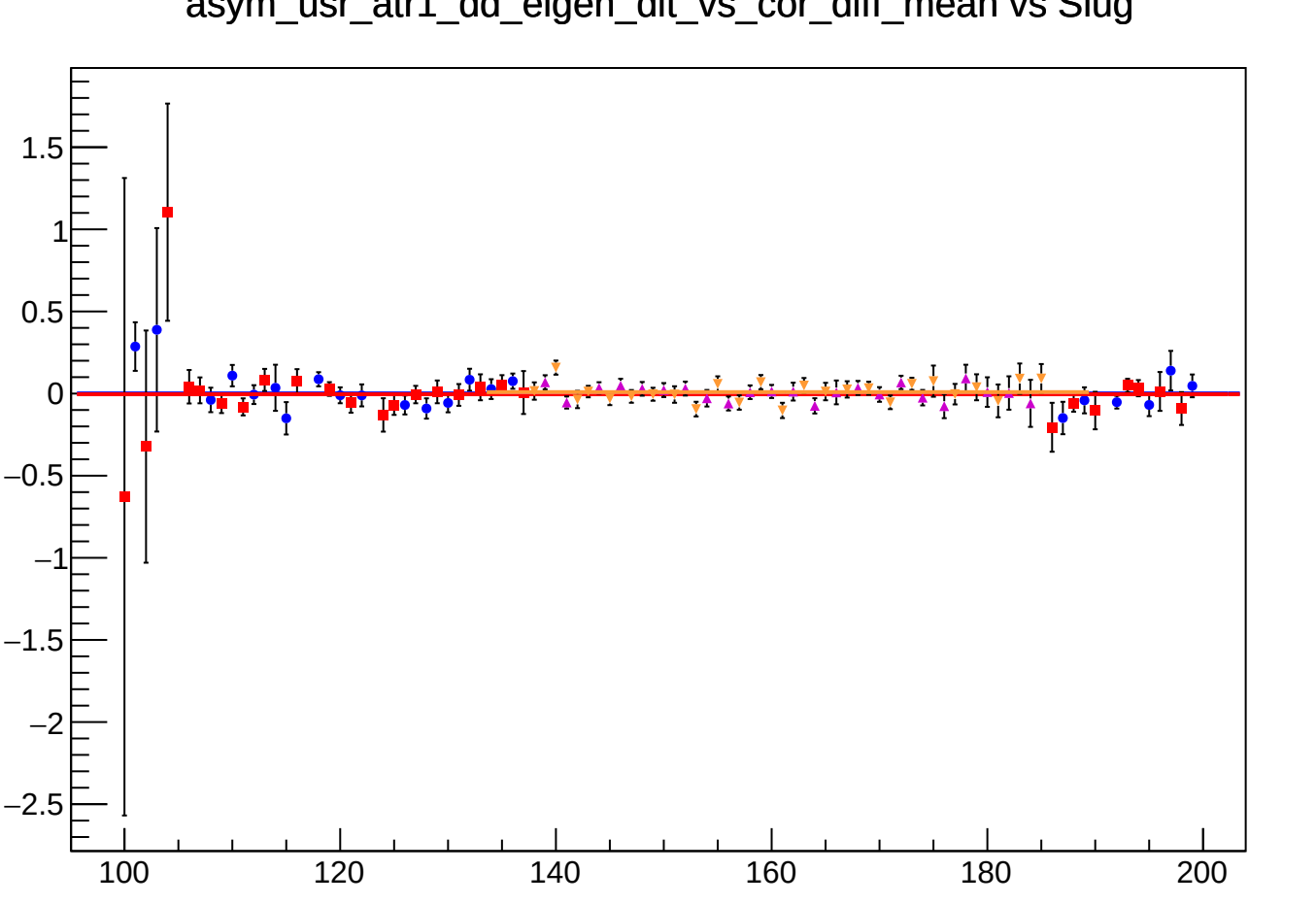
Right Out: 0.002+/-0.000 χ^2/NDF: 6490542.3/25

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

\+ sign 0.002+/-0.000 χ^2/NDF: 9194713.9/46

All: 0.002+/-0.000 χ^2/NDF: 20377888.1/95

\- sign 0.002+/-0.000 χ^2/NDF: 11103208.4/48



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/25

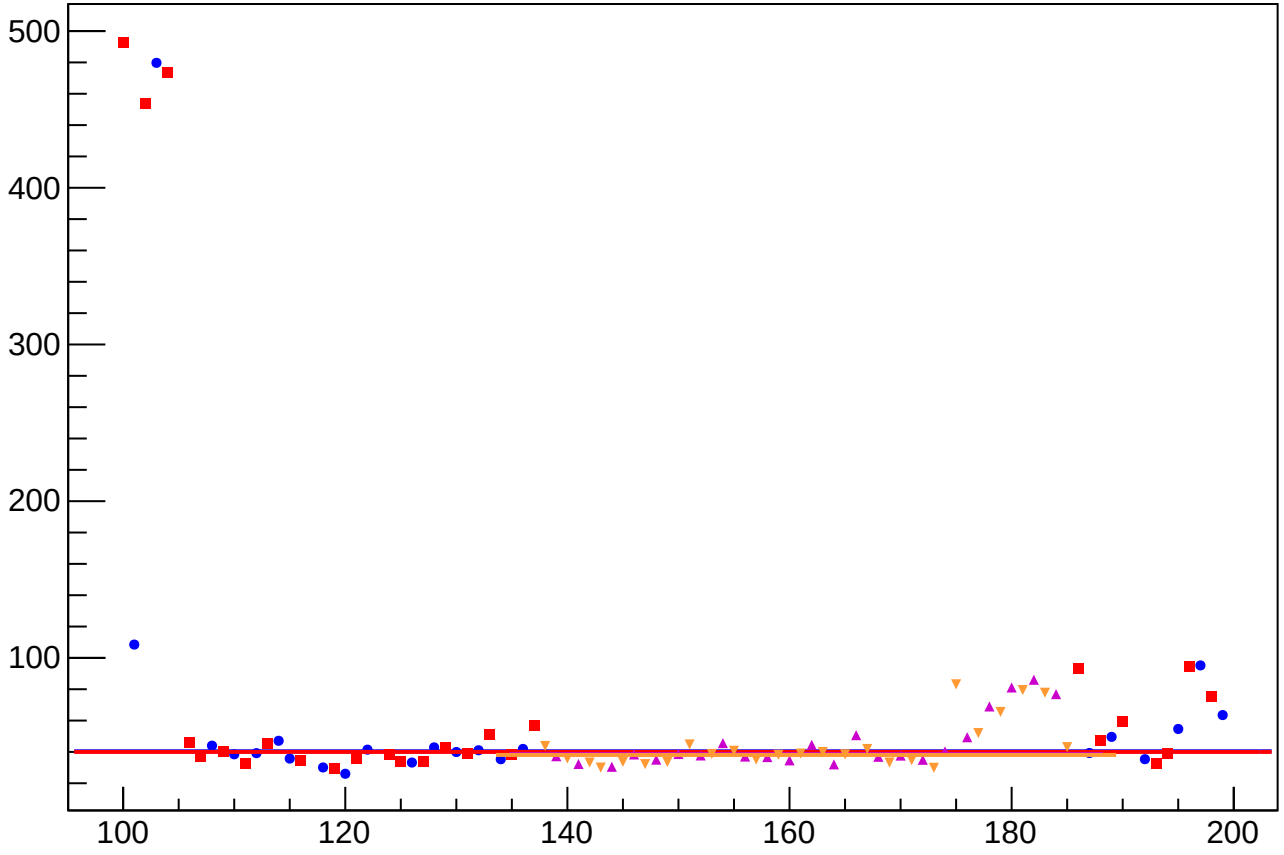
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.9/46

All: 0.005+/-0.006 χ^2/NDF: 110.1/95

- 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: 40.391+/-0.010 χ^2/NDF: 2571110.4/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

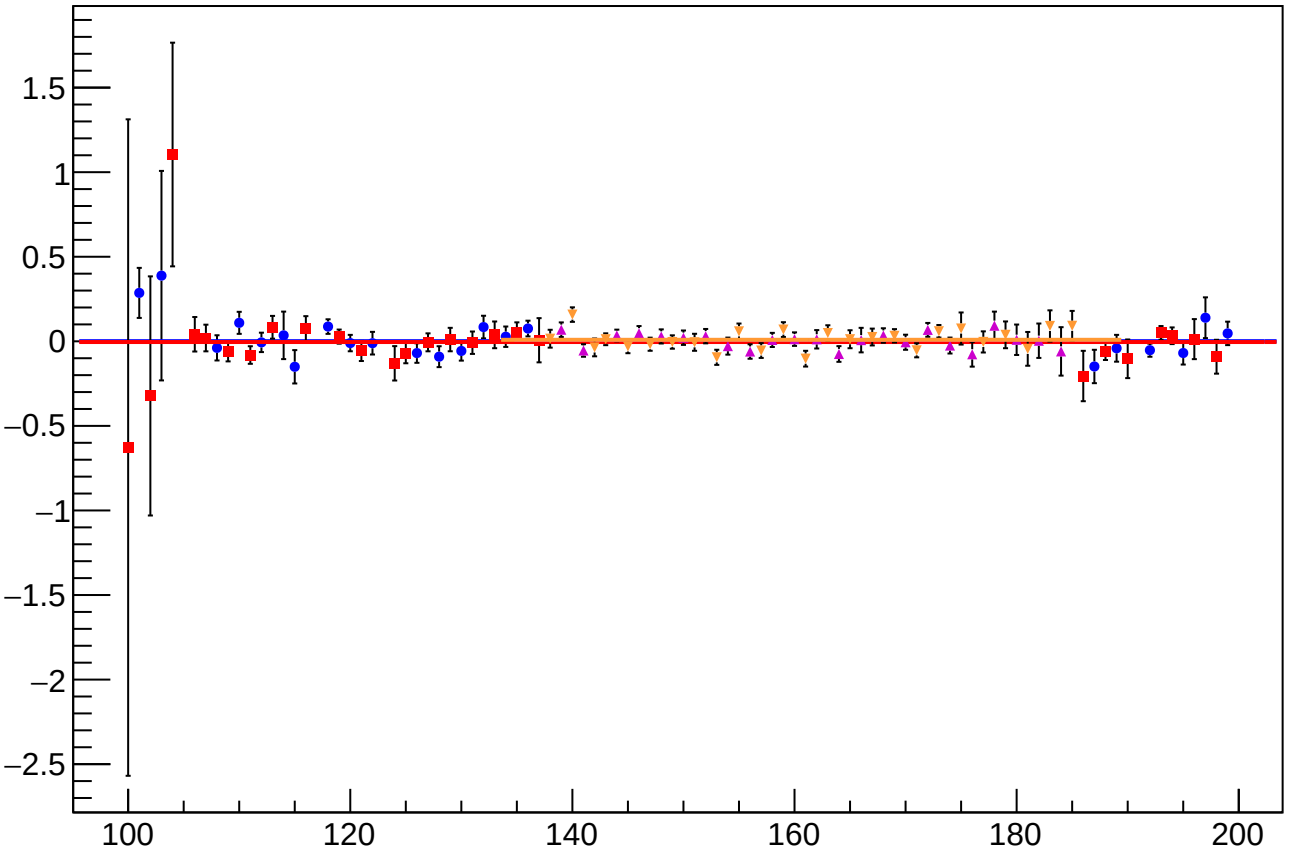
Right Out: 40.006+/-0.009 χ^2/NDF: 3084587.8/25

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.832+/-0.006 χ^2/NDF: 4577047.7/46

All: 38.972+/-0.004 χ^2/NDF: 9404295.7/95

- sign 39.117+/-0.006 χ^2/NDF: 4825945.1/48



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

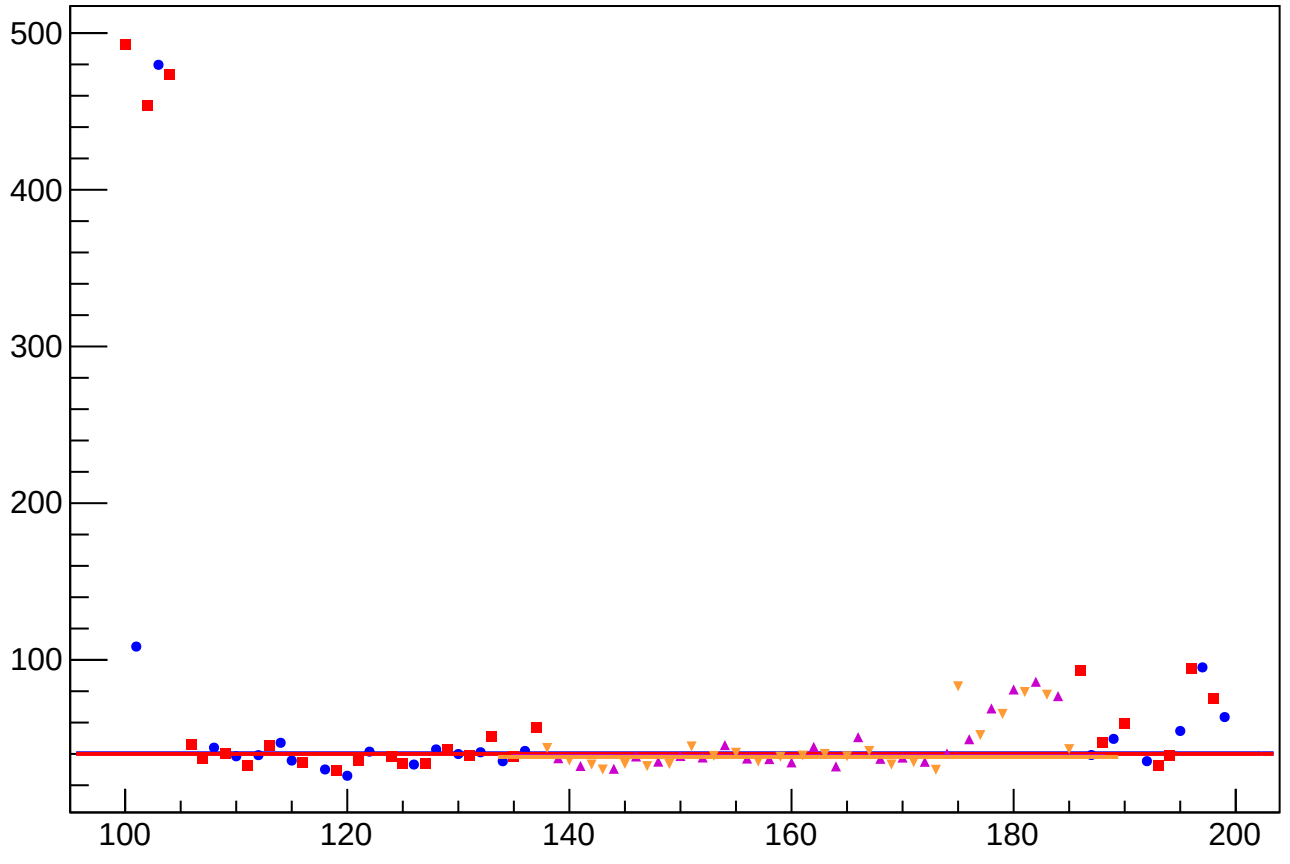
Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/25

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.9/46

All: 0.005+/-0.006 χ^2/NDF: 110.1/95

- sign 0.004+/-0.008 χ^2/NDF: 41.2/48



Right In: 40.391+/-0.010 χ^2/NDF: 2571110.4/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

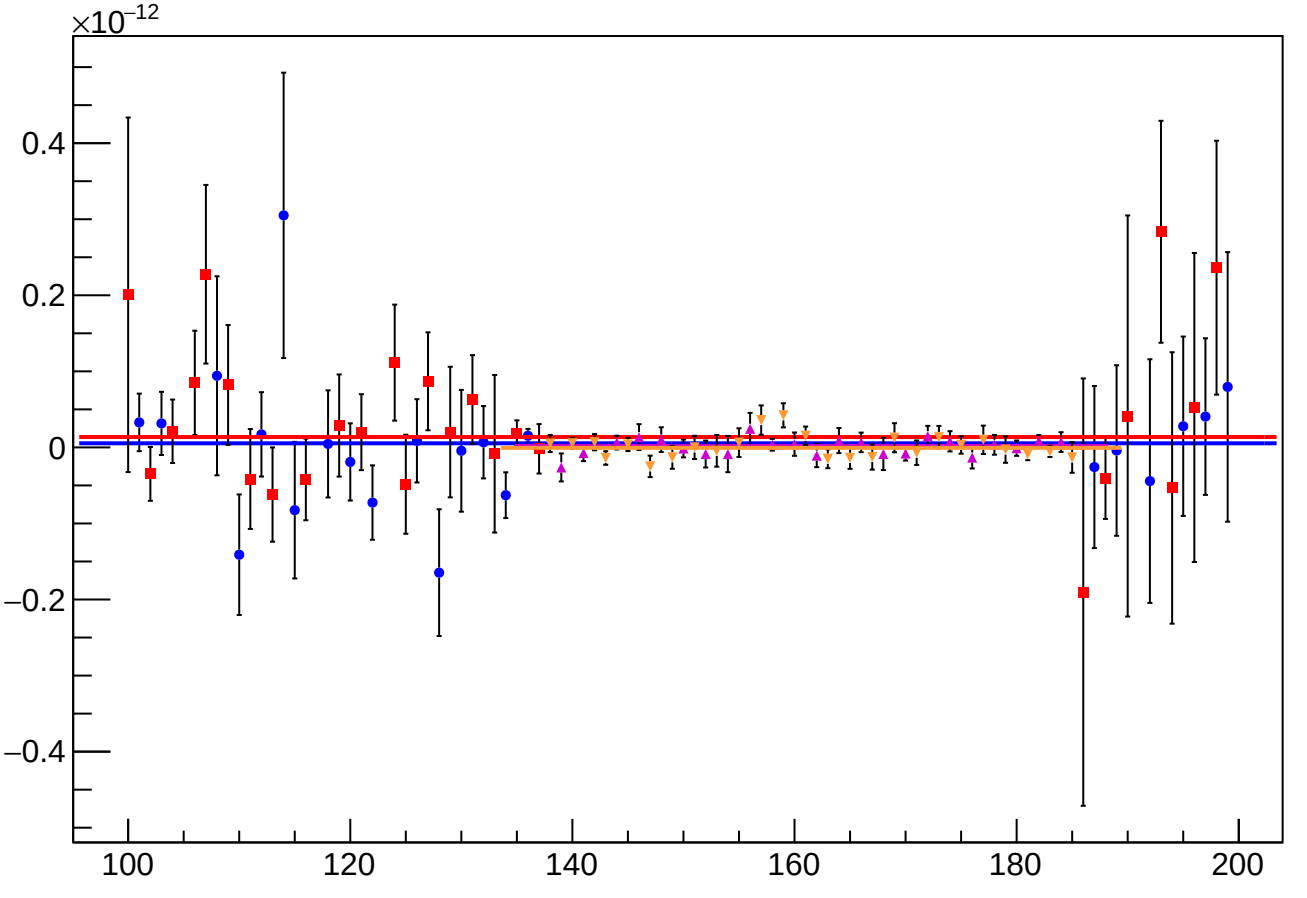
Right Out: 40.006+/-0.009 χ^2/NDF: 3084587.8/25

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.832+/-0.006 χ^2/NDF: 4577047.7/46

All: 38.972+/-0.004 χ^2/NDF: 9404295.7/95

- sign 39.117+/-0.006 χ^2/NDF: 4825945.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

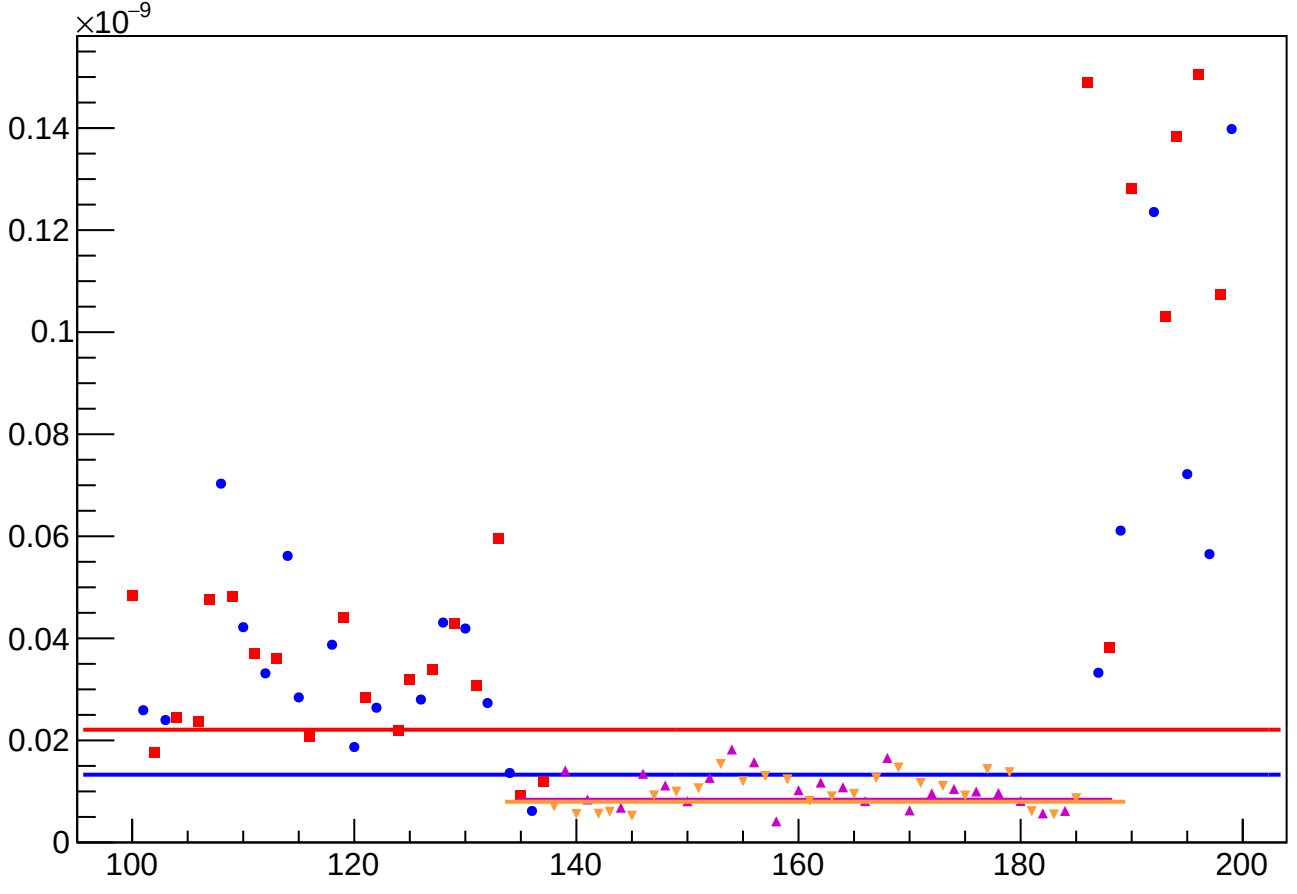
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/25

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.7/46

All: 0.000+/-0.000 χ^2/NDF: 86.0/95

- sign 0.000+/-0.000 χ^2/NDF: 35.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 7178802.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6431746.4/25

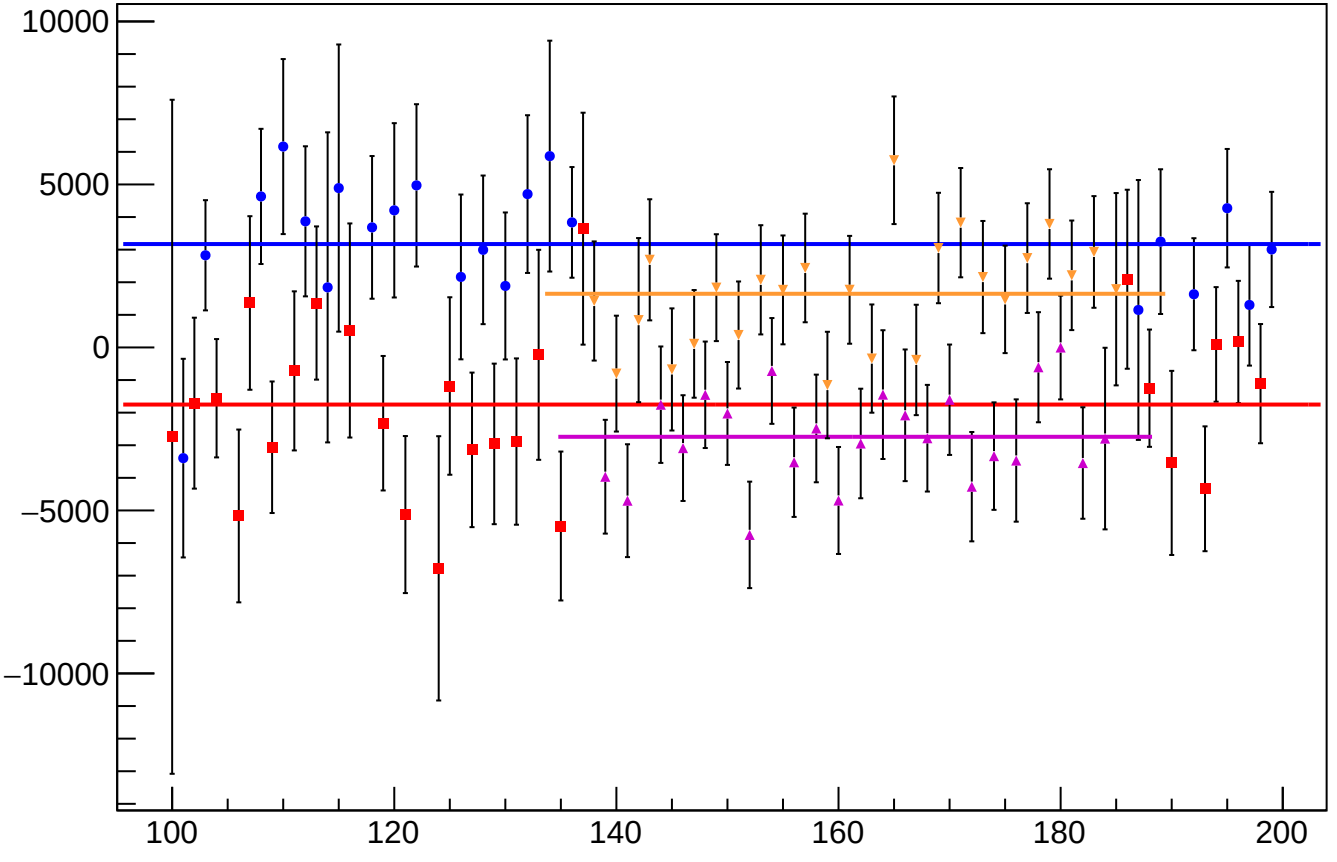
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10922410.3/46

All: 0.000+/-0.000 χ^2/NDF: 23586912.7/95

- sign 0.000+/-0.000 χ^2/NDF: 12576858.0/48

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3171.583+/-483.178 χ^2/NDF: 11.5/21

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1751.774+/-464.068 χ^2/NDF: 22.0/25

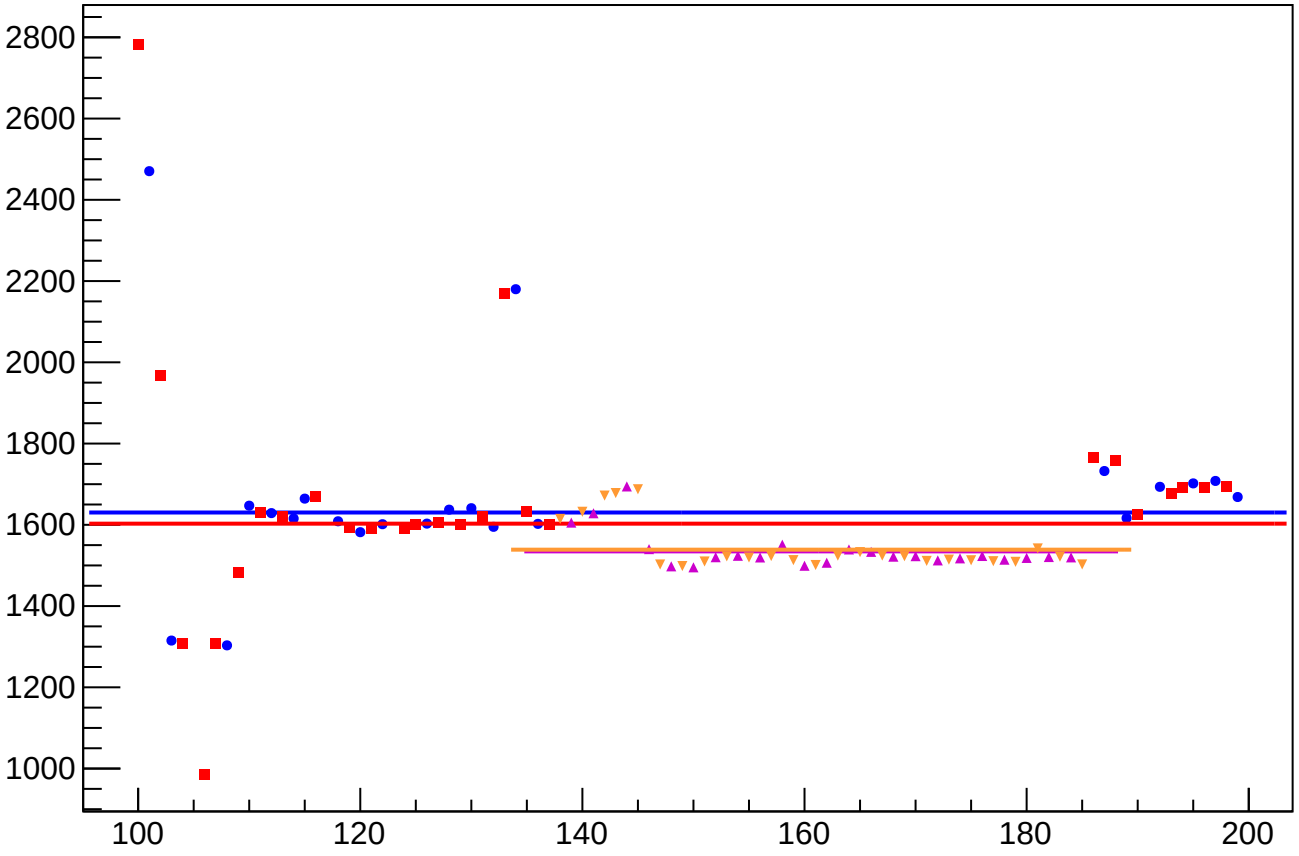
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2170.800+/-283.320 χ^2/NDF: 39.1/46

All: -97.331+/-200.466 χ^2/NDF: 208.8/95

- sign -2371.293+/-283.684 χ^2/NDF: 41.3/48

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1630.302+/-0.342 χ^2/NDF: 333831.7/21

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

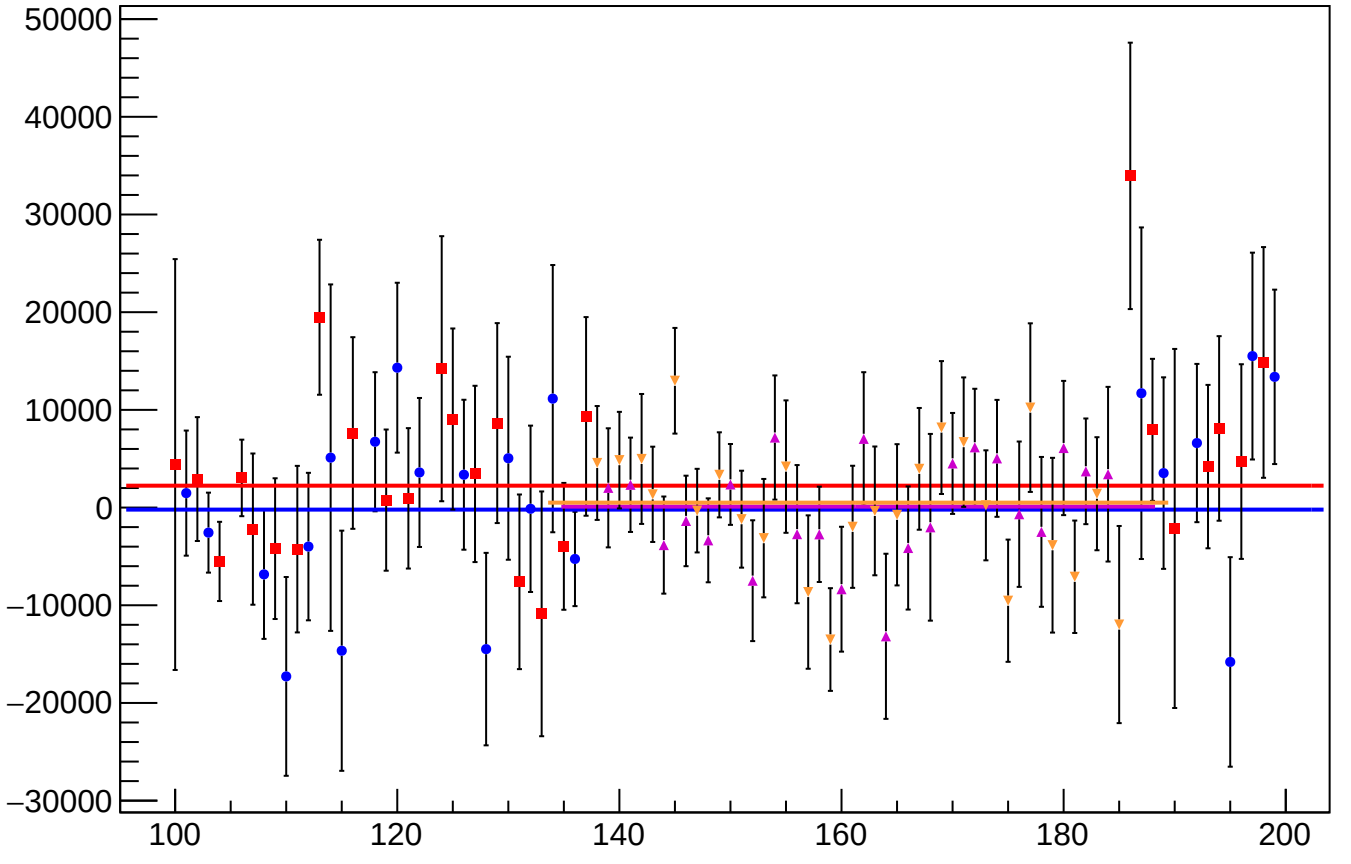
Right Out: 1602.836+/-0.325 χ^2/NDF: 435903.4/25

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1570.267+/-0.200 χ^2/NDF: 427942.3/46

All: 1565.343+/-0.141 χ^2/NDF: 923600.5/95

- sign 1560.446+/-0.200 χ^2/NDF: 494453.3/48



Right In: -209.613+/-1685.473 χ^2/NDF: 22.3/21

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2240.885+/-1526.971 χ^2/NDF: 23.7/25

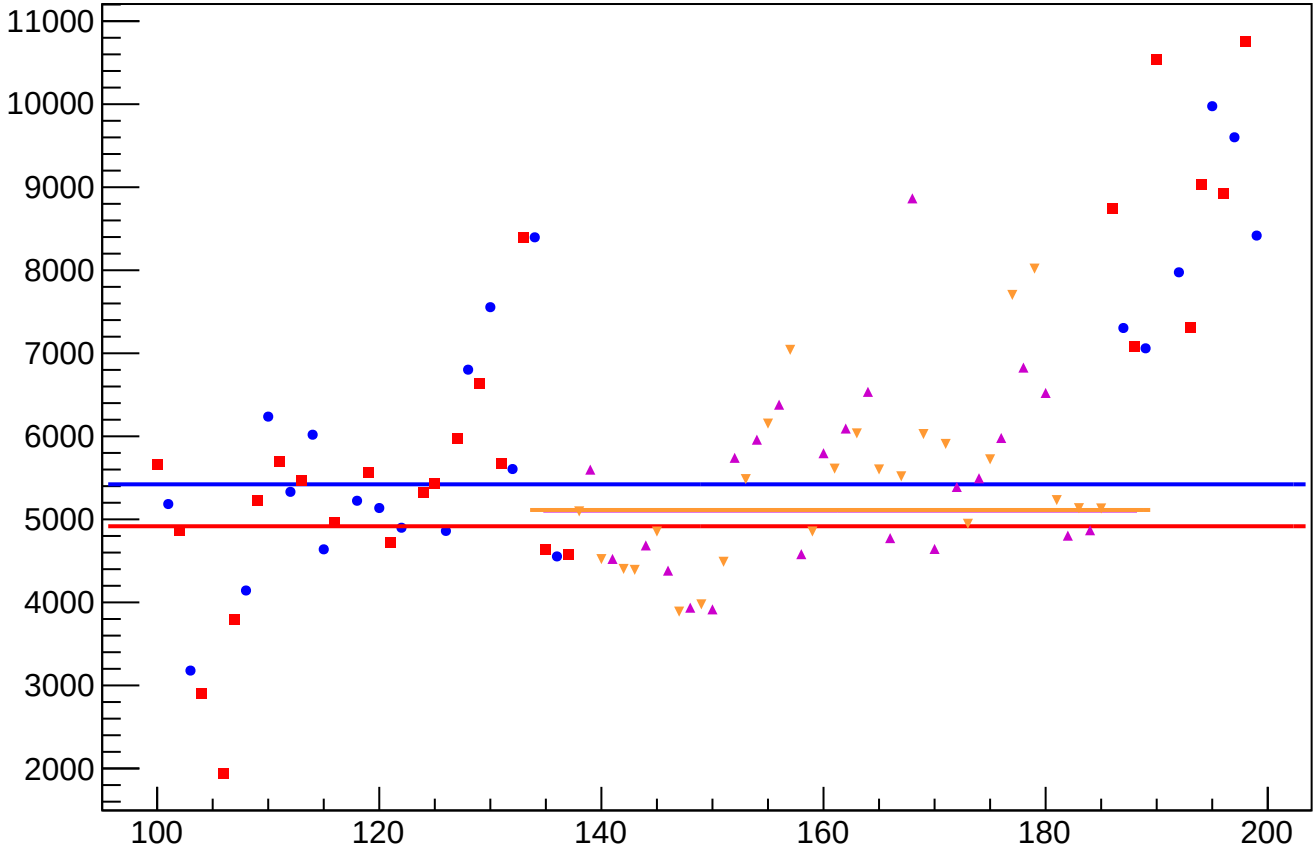
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign 267.226+/-970.651 χ^2/NDF: 49.2/46

All: 605.483+/-679.659 χ^2/NDF: 89.2/95

\- sign 930.857+/-951.987 χ^2/NDF: 39.8/48

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5421.936+/-1.192 χ^2/NDF: 2186234.5/21

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4916.985+/-1.080 χ^2/NDF: 3886982.3/25

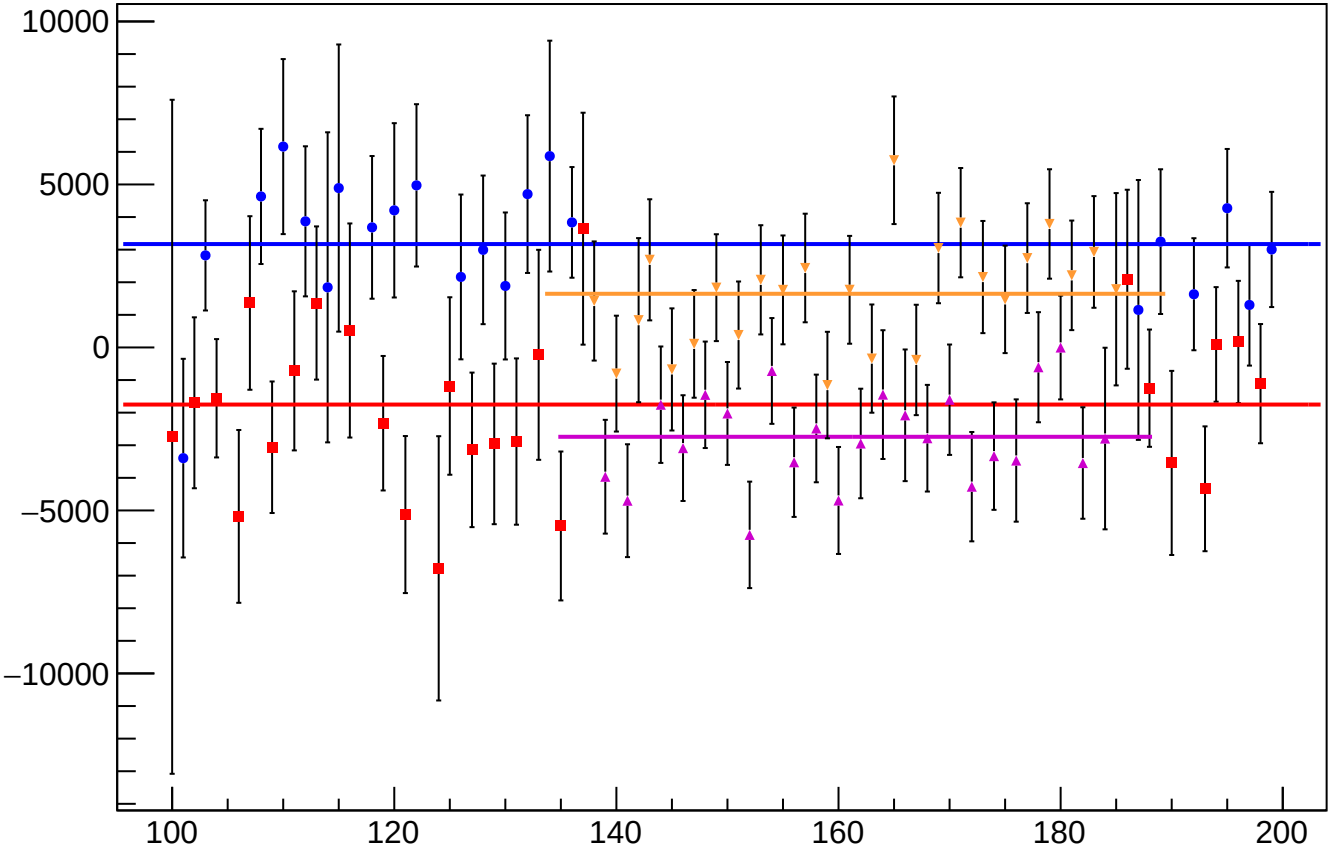
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5215.428+/-0.686 χ^2/NDF: 3390166.5/46

All: 5122.325+/-0.481 χ^2/NDF: 8583681.6/95

- sign 5032.768+/-0.673 χ^2/NDF: 5157414.8/48

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3171.390+/-483.178 χ^2/NDF: 11.5/21

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1751.754+/-464.070 χ^2/NDF: 22.0/25

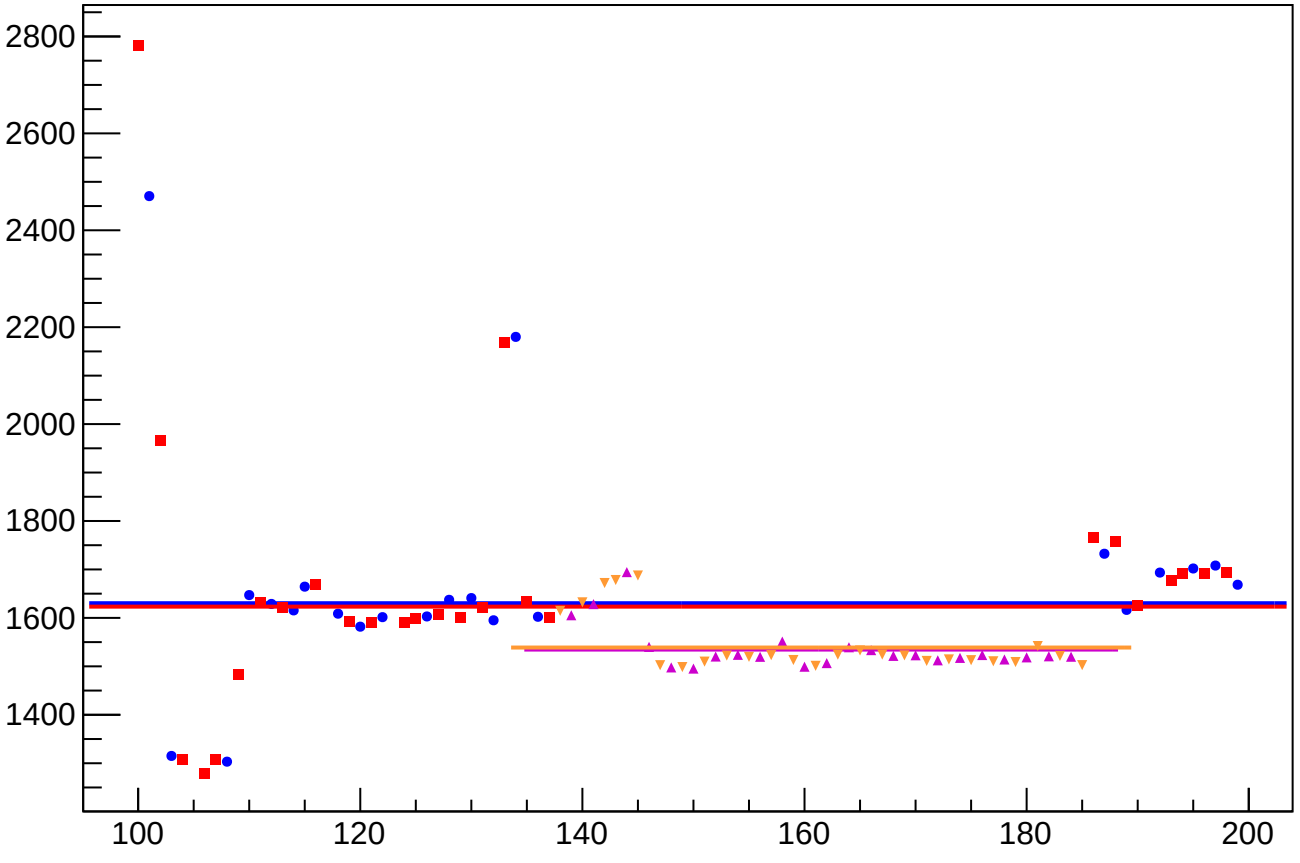
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2170.663+/-283.320 χ^2/NDF: 39.1/46

All: -97.363+/-200.466 χ^2/NDF: 208.8/95

- sign -2371.226+/-283.684 χ^2/NDF: 41.3/48

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1630.302+/-0.342 χ^2/NDF: 333830.7/21

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

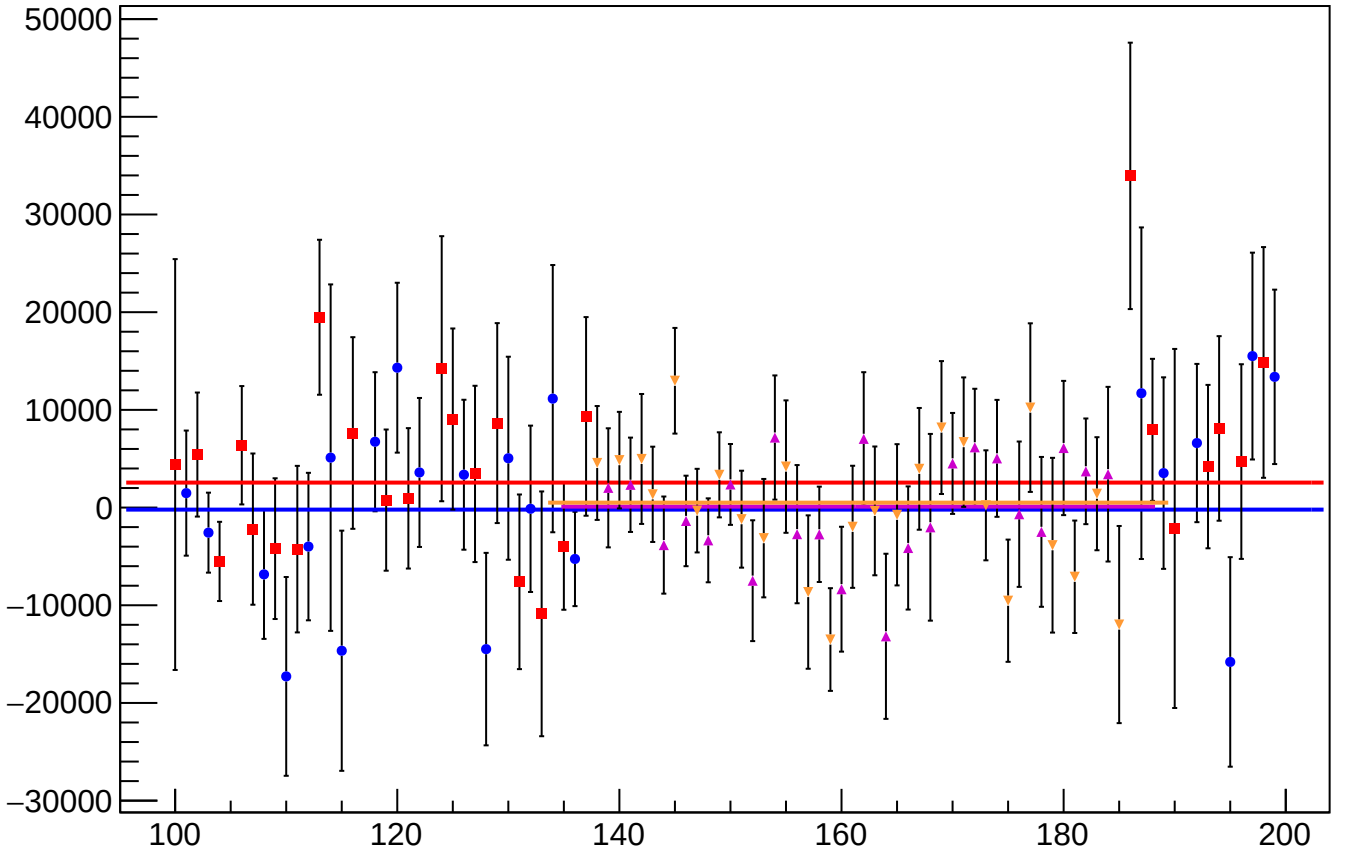
Right Out: 1623.232+/-0.327 χ^2/NDF: 283291.3/25

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1570.267+/-0.200 χ^2/NDF: 427941.5/46

All: 1569.050+/-0.142 χ^2/NDF: 788244.8/95

- sign 1567.832+/-0.200 χ^2/NDF: 360229.4/48



Right In: -209.747+/-1685.501 χ^2/NDF: 22.3/21

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2556.394+/-1599.493 χ^2/NDF: 24.3/25

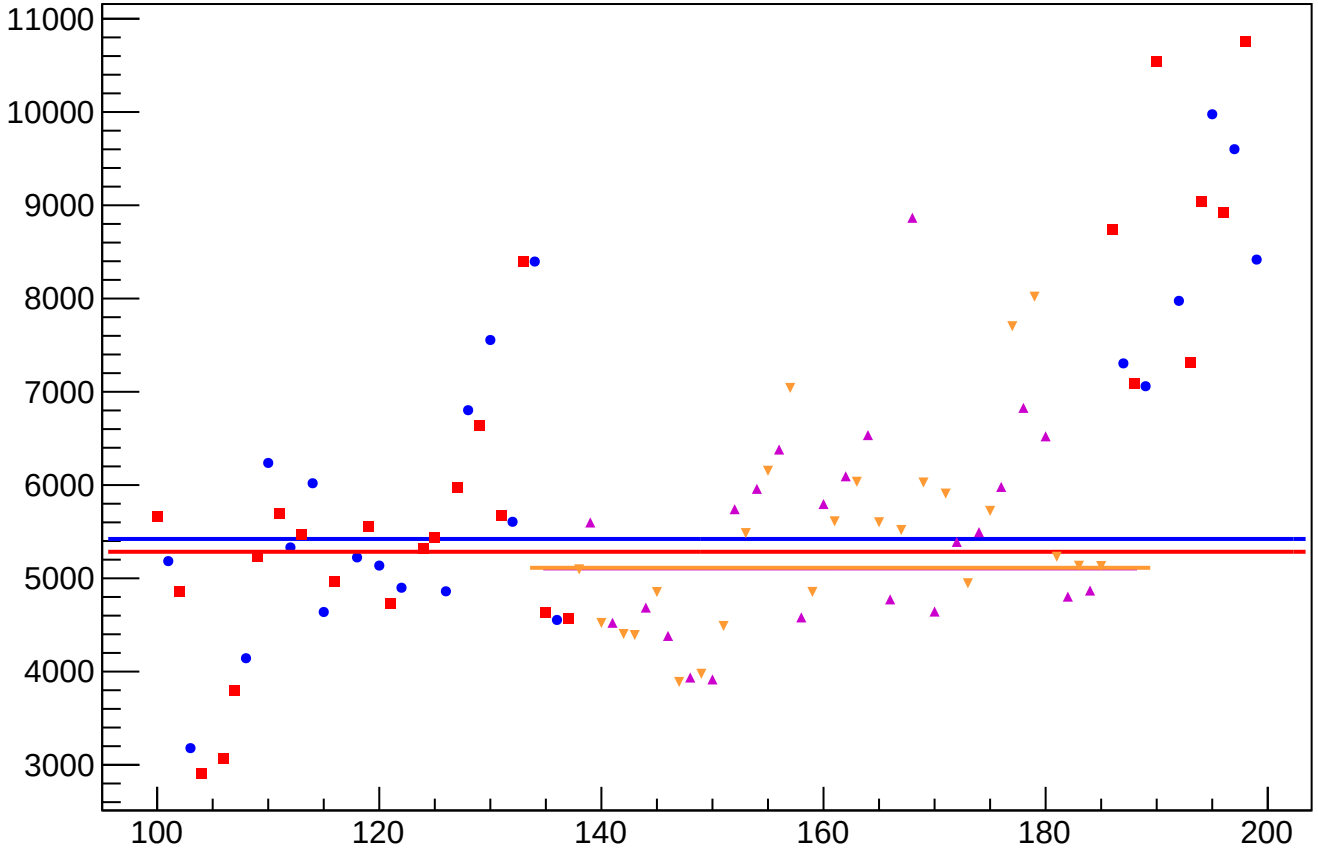
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 267.189+/-970.656 χ^2/NDF: 49.2/46

All: 634.231+/-685.707 χ^2/NDF: 90.2/95

- sign 999.886+/-968.820 χ^2/NDF: 40.7/48

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5422.069+/-1.192 χ^2/NDF: 2185935.2/21

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5284.629+/-1.131 χ^2/NDF: 2811492.8/25

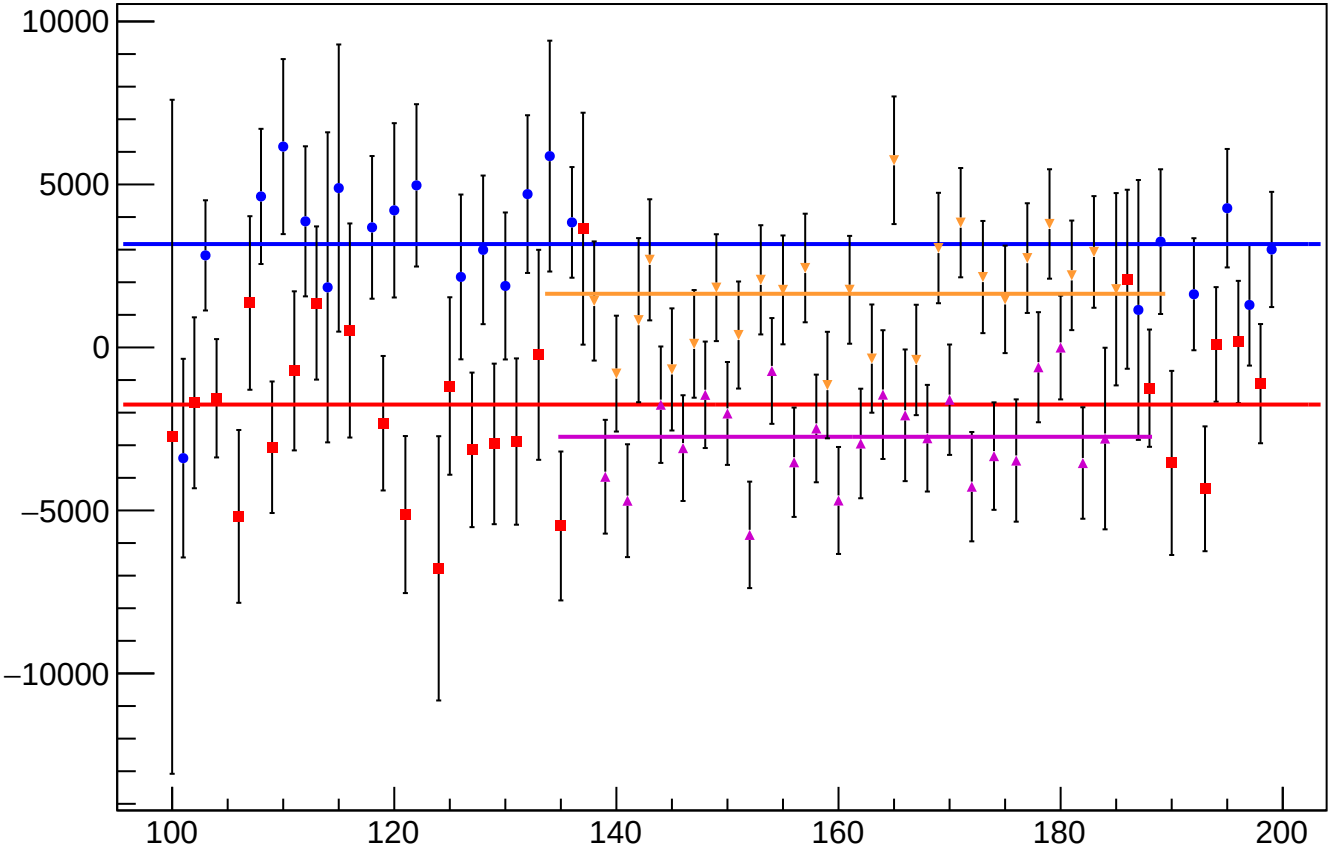
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5215.465+/-0.686 χ^2/NDF: 3389920.1/46

All: 5193.580+/-0.485 χ^2/NDF: 7470790.2/95

- sign 5171.778+/-0.685 χ^2/NDF: 4078840.6/48

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3171.390+/-483.178 χ^2/NDF: 11.5/21

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1751.754+/-464.070 χ^2/NDF: 22.0/25

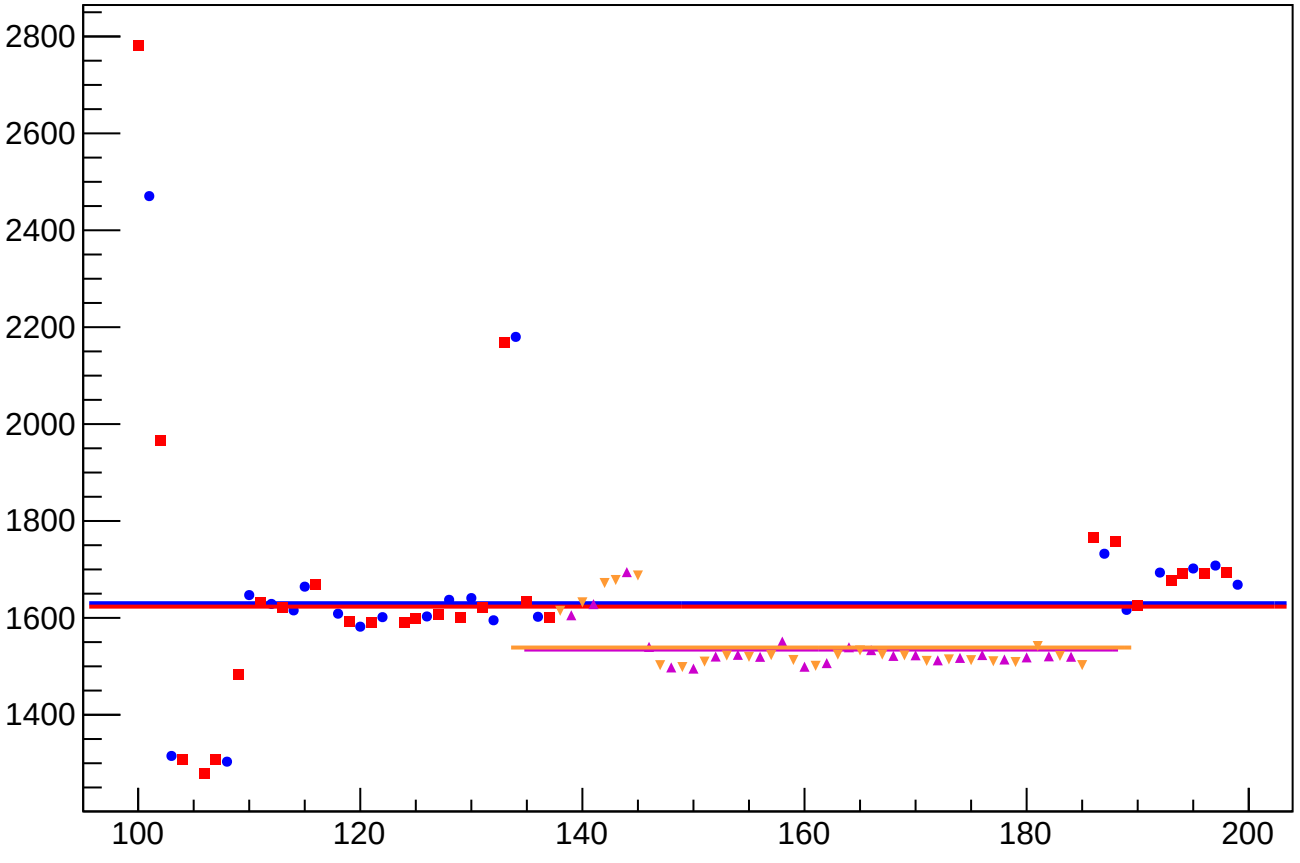
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2170.663+/-283.320 χ^2/NDF: 39.1/46

All: -97.363+/-200.466 χ^2/NDF: 208.8/95

- sign -2371.226+/-283.684 χ^2/NDF: 41.3/48

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1630.302+/-0.342 χ^2/NDF: 333830.7/21

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

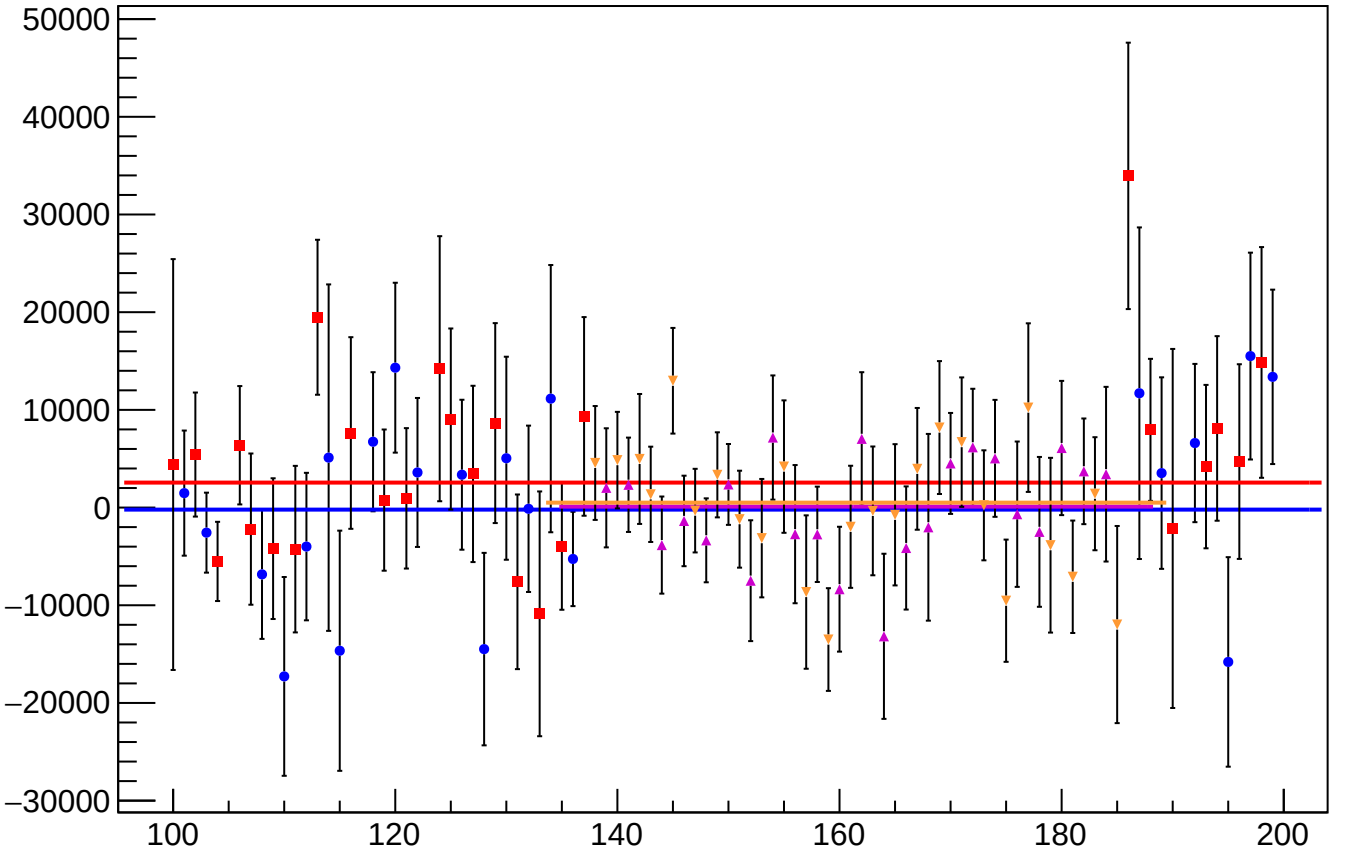
Right Out: 1623.232+/-0.327 χ^2/NDF: 283291.3/25

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1570.267+/-0.200 χ^2/NDF: 427941.5/46

All: 1569.050+/-0.142 χ^2/NDF: 788244.8/95

- sign 1567.832+/-0.200 χ^2/NDF: 360229.4/48



Right In: -209.747+/-1685.501 χ^2/NDF: 22.3/21

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

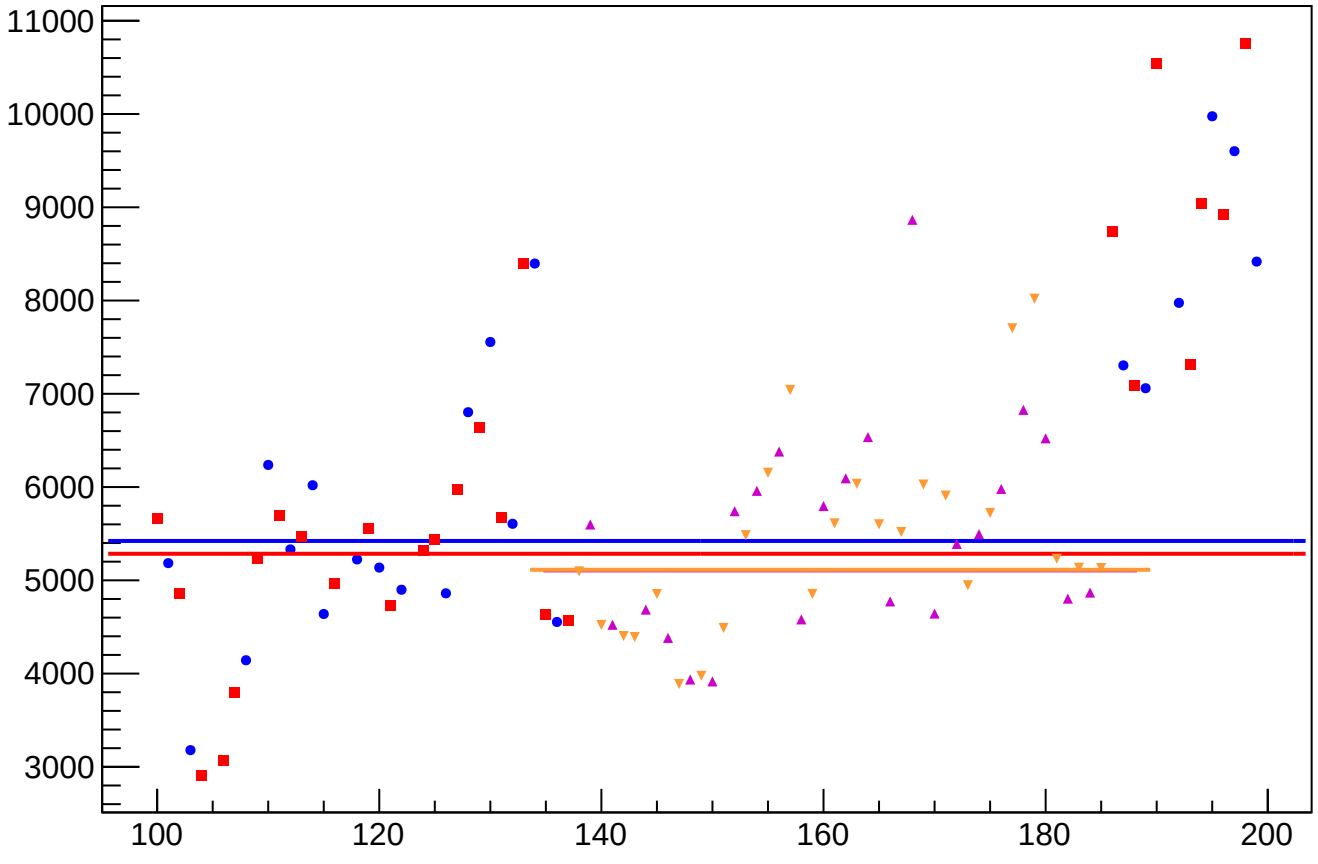
Right Out: 2556.394+/-1599.493 χ^2/NDF: 24.3/25

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 267.189+/-970.656 χ^2/NDF: 49.2/46

All: 634.231+/-685.707 χ^2/NDF: 90.2/95

- sign 999.886+/-968.820 χ^2/NDF: 40.7/48



Right In: 5422.069+/-1.192 χ^2/NDF: 2185935.2/21

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5284.629+/-1.131 χ^2/NDF: 2811492.8/25

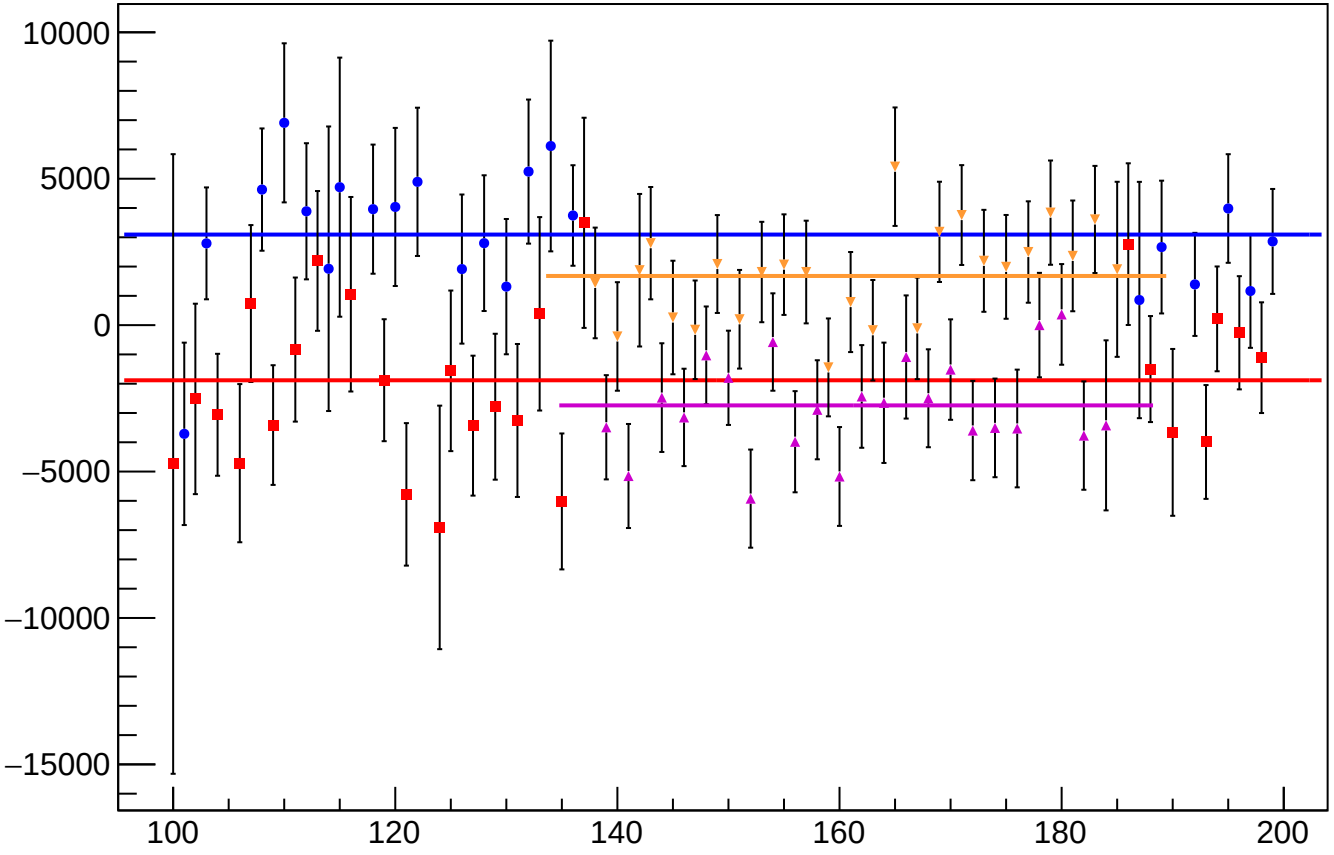
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5215.465+/-0.686 χ^2/NDF: 3389920.1/46

All: 5193.580+/-0.485 χ^2/NDF: 7470790.2/95

- sign 5171.778+/-0.685 χ^2/NDF: 4078840.6/48

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3092.868+/-495.336 χ^2/NDF: 13.4/21

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1883.400+/-477.067 χ^2/NDF: 24.4/25

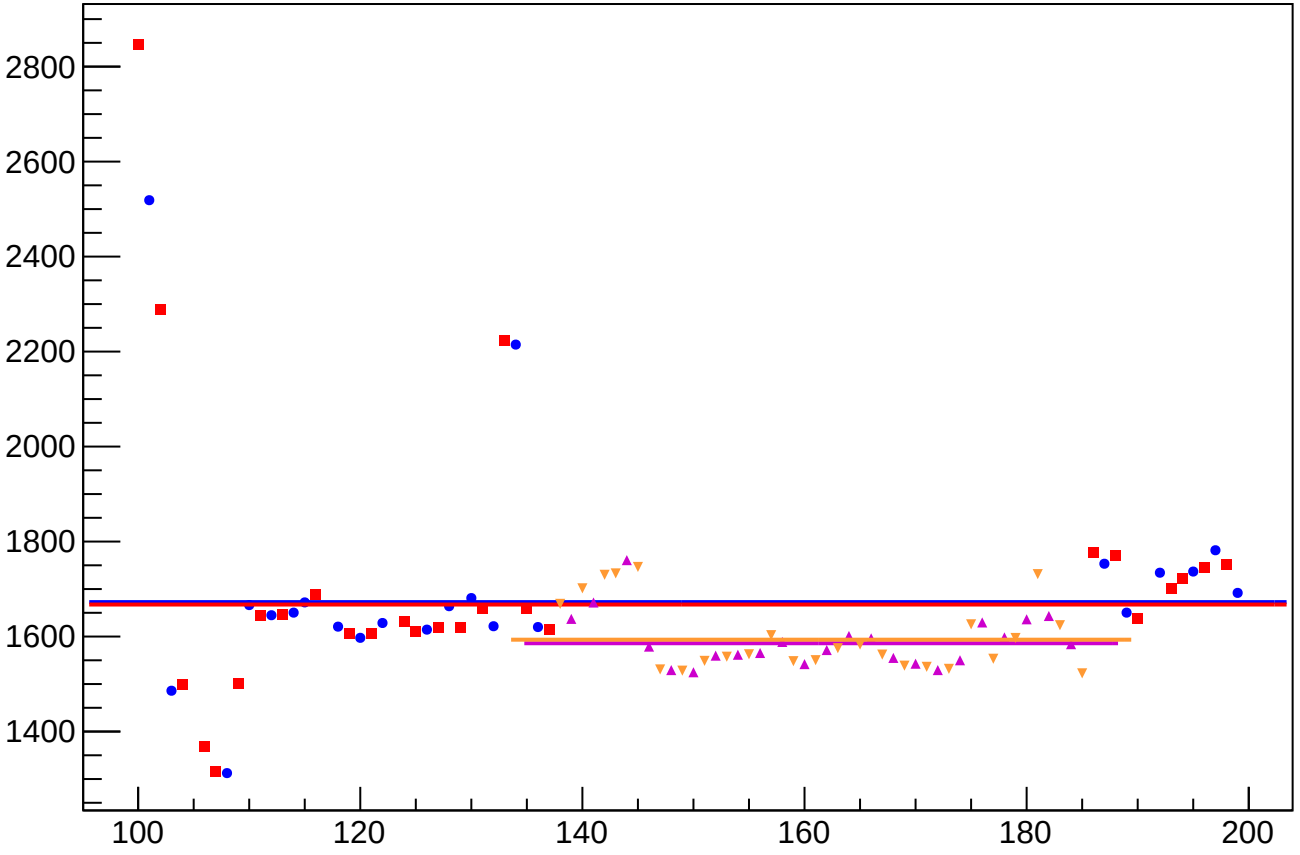
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2172.036+/-292.475 χ^2/NDF: 37.6/46

All: -121.463+/-206.880 χ^2/NDF: 206.3/95

- sign -2418.029+/-292.670 χ^2/NDF: 45.6/48

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1672.498+/-0.350 χ^2/NDF: 291475.3/21

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1667.427+/-0.337 χ^2/NDF: 266107.5/25

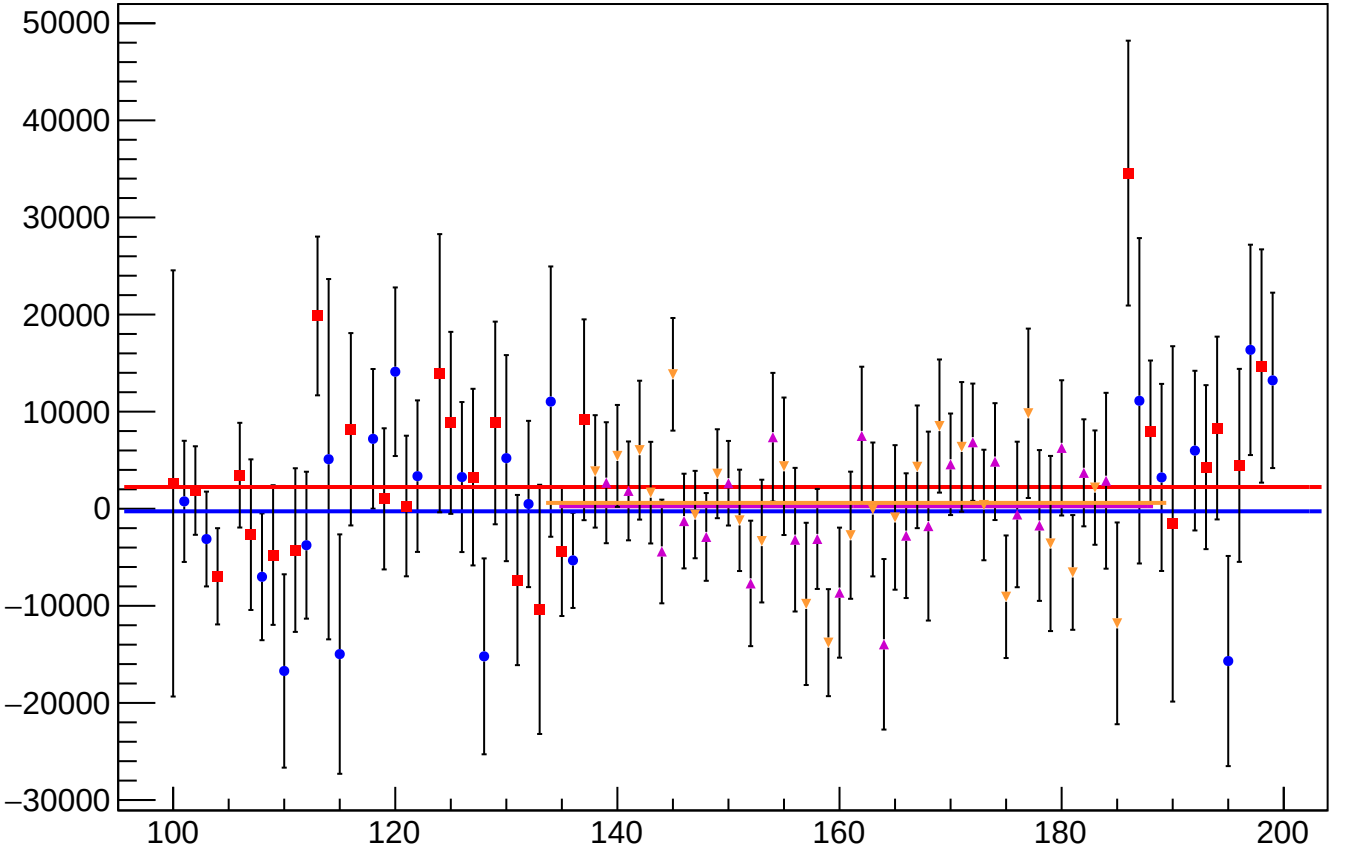
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

\+ sign 1620.969+/-0.207 χ^2/NDF: 396581.2/46

All: 1618.793+/-0.146 χ^2/NDF: 741259.8/95

\- sign 1616.615+/-0.207 χ^2/NDF: 344457.1/48

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -265.215+/-1736.918 χ^2/NDF: 22.1/21

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2236.821+/-1588.217 χ^2/NDF: 23.6/25

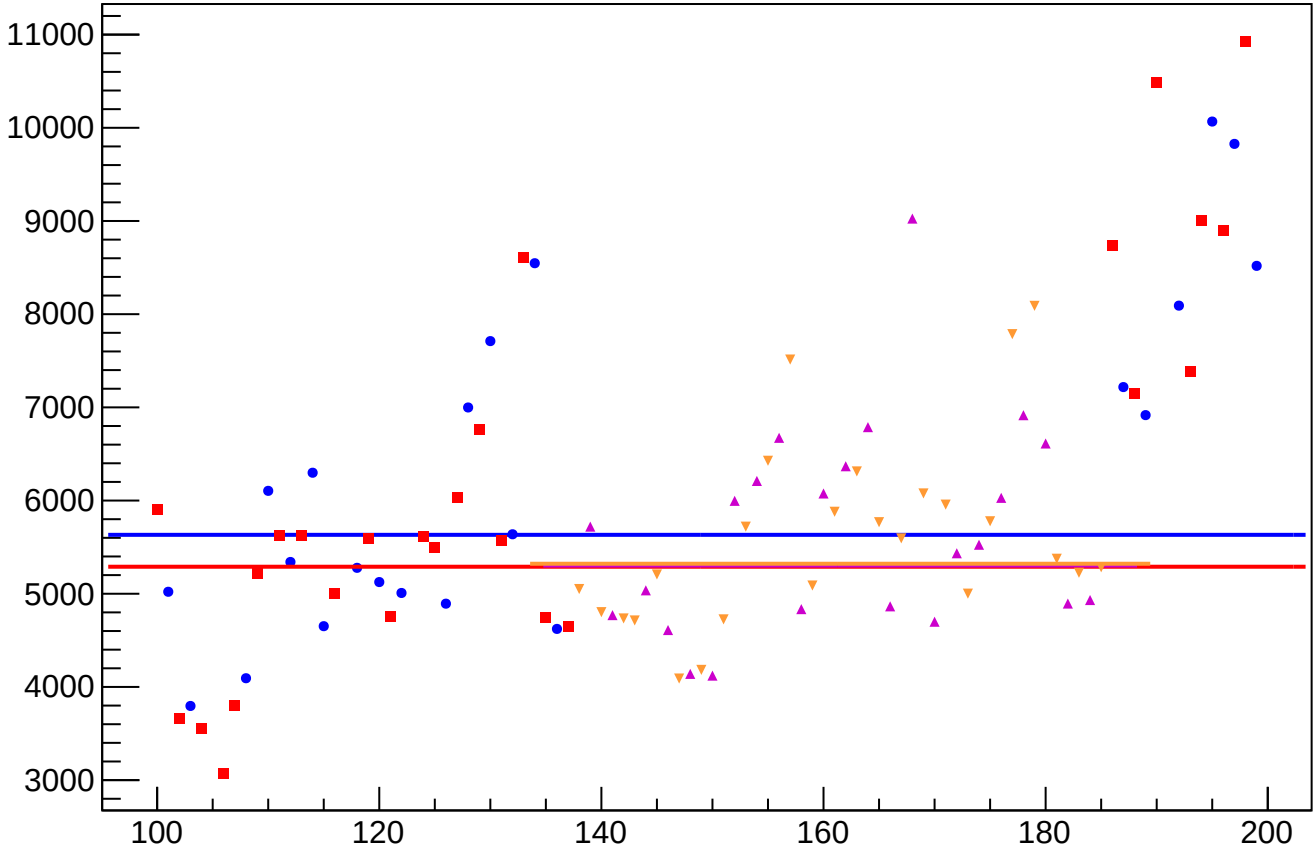
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 311.124+/-1005.728 χ^2/NDF: 48.3/46

All: 673.280+/-704.931 χ^2/NDF: 87.8/95

\- sign 1023.024+/-988.344 χ^2/NDF: 39.2/48

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5632.221+/-1.228 χ^2/NDF: 1836879.8/21

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5289.954+/-1.123 χ^2/NDF: 2703306.0/25

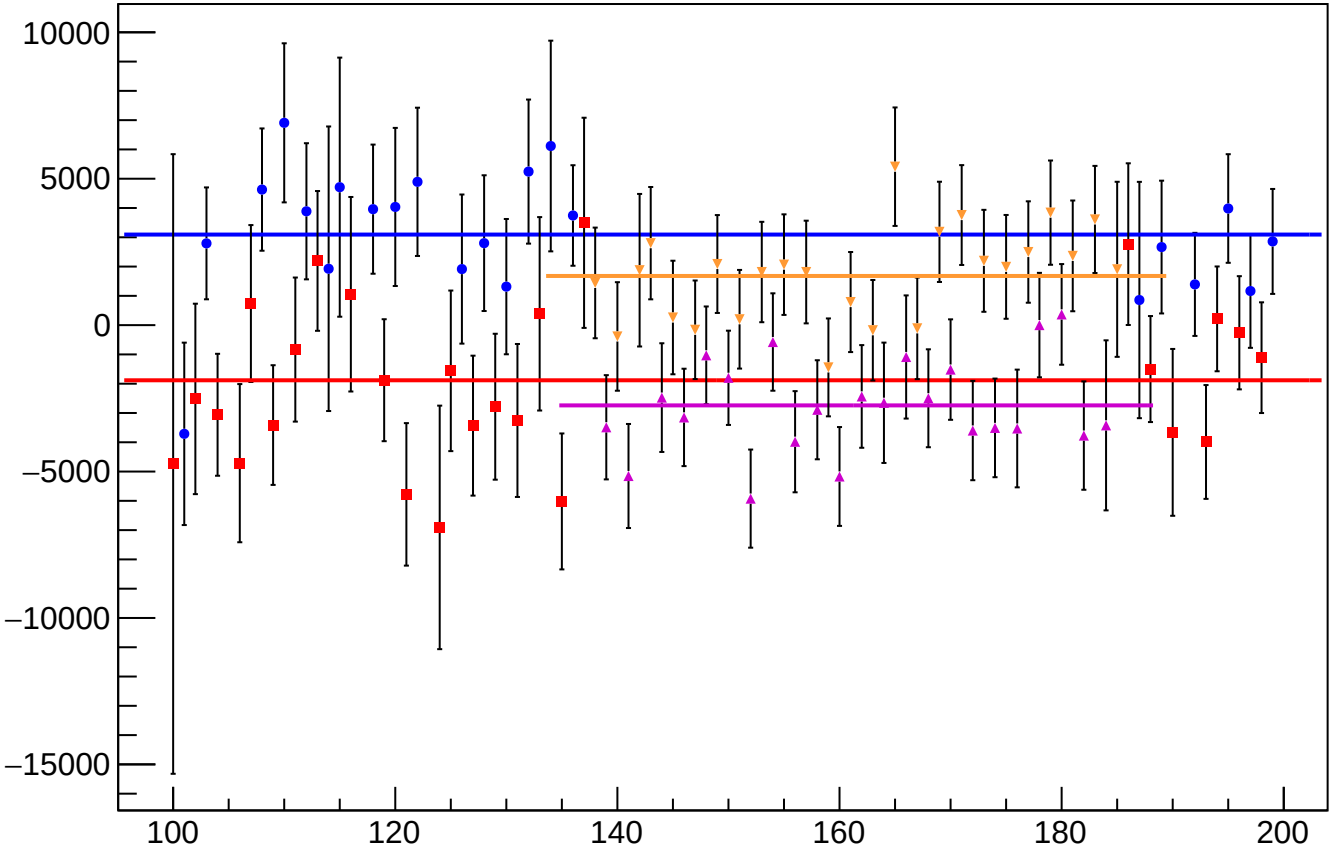
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5425.980+/-0.711 χ^2/NDF: 2916309.7/46

All: 5360.801+/-0.498 χ^2/NDF: 6788585.0/95

- sign 5297.856+/-0.699 χ^2/NDF: 3855762.9/48

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3092.869+/-495.336 χ^2/NDF: 13.4/21

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1883.402+/-477.067 χ^2/NDF: 24.4/25

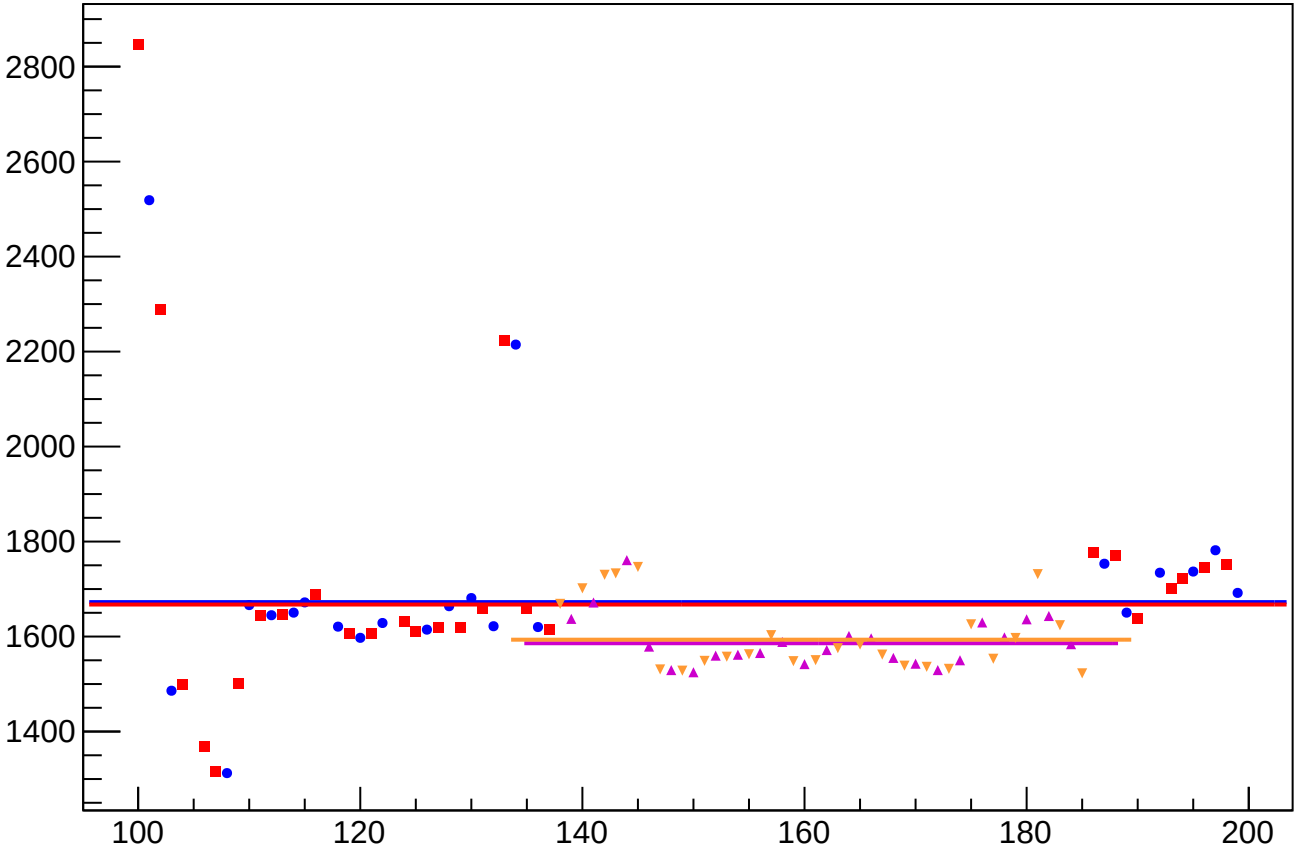
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2172.033+/-292.475 χ^2/NDF: 37.6/46

All: -121.464+/-206.880 χ^2/NDF: 206.3/95

- sign -2418.029+/-292.670 χ^2/NDF: 45.6/48

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1672.498+/-0.350 χ^2/NDF: 291475.5/21

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

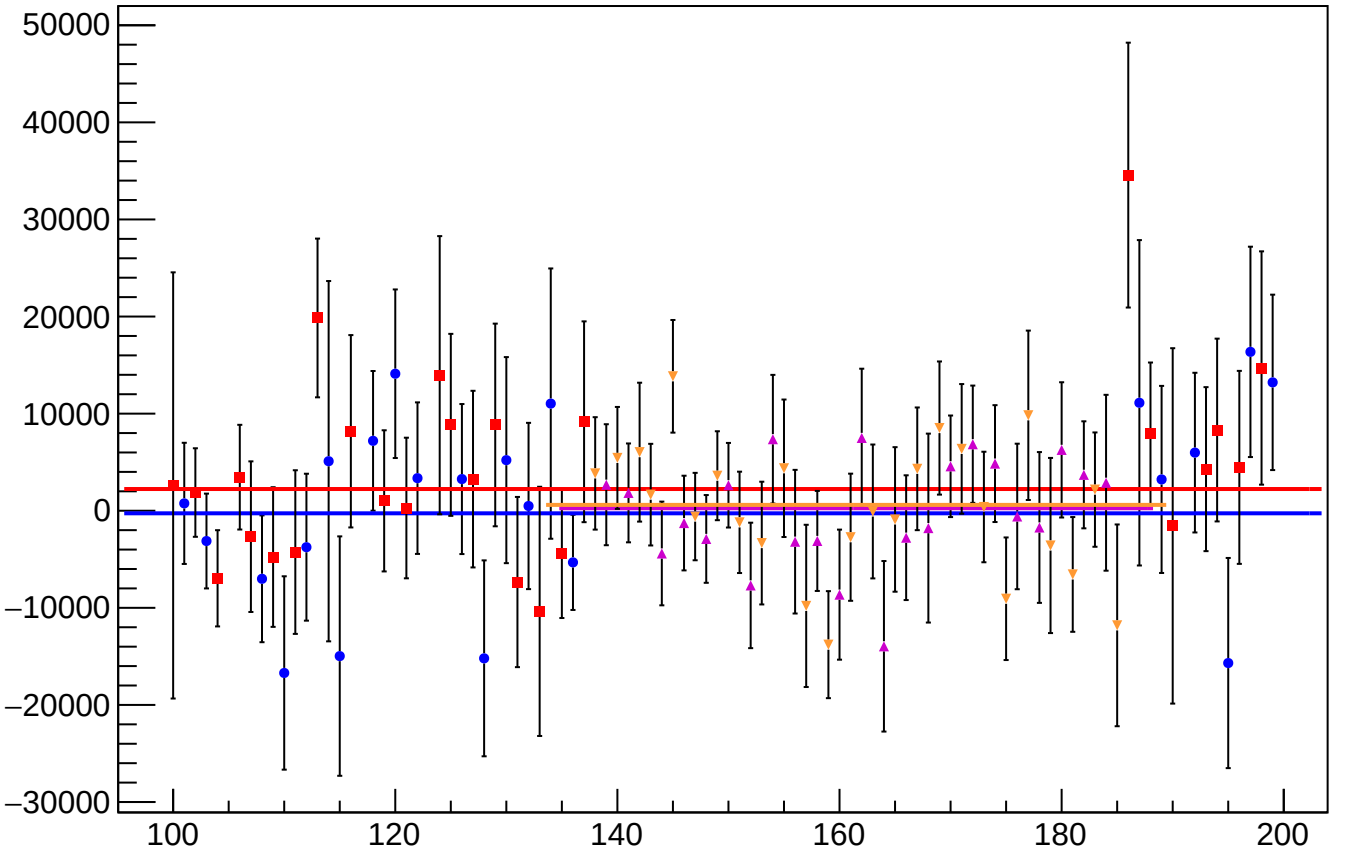
Right Out: 1667.427+/-0.337 χ^2/NDF: 266107.4/25

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1620.969+/-0.207 χ^2/NDF: 396580.1/46

All: 1618.793+/-0.146 χ^2/NDF: 741257.3/95

- sign 1616.616+/-0.207 χ^2/NDF: 344455.7/48



Right In: -265.205+/-1736.916 χ^2/NDF: 22.1/21

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

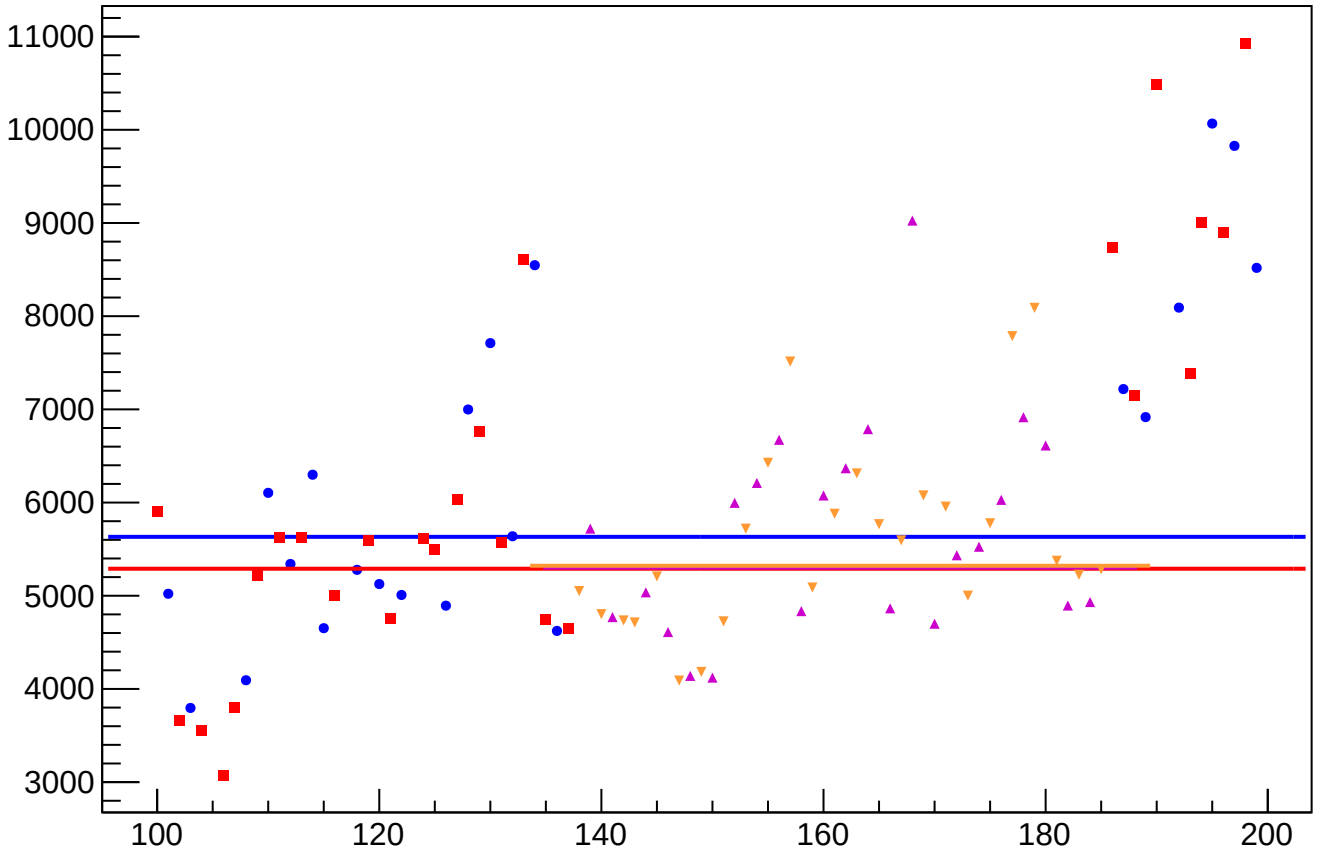
Right Out: 2236.817+/-1588.215 χ^2/NDF: 23.6/25

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 311.124+/-1005.729 χ^2/NDF: 48.3/46

All: 673.281+/-704.931 χ^2/NDF: 87.8/95

\- sign 1023.027+/-988.345 χ^2/NDF: 39.2/48



Right In: 5632.214+/-1.228 χ^2/NDF: 1836883.1/21

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5289.947+/-1.123 χ^2/NDF: 2703307.9/25

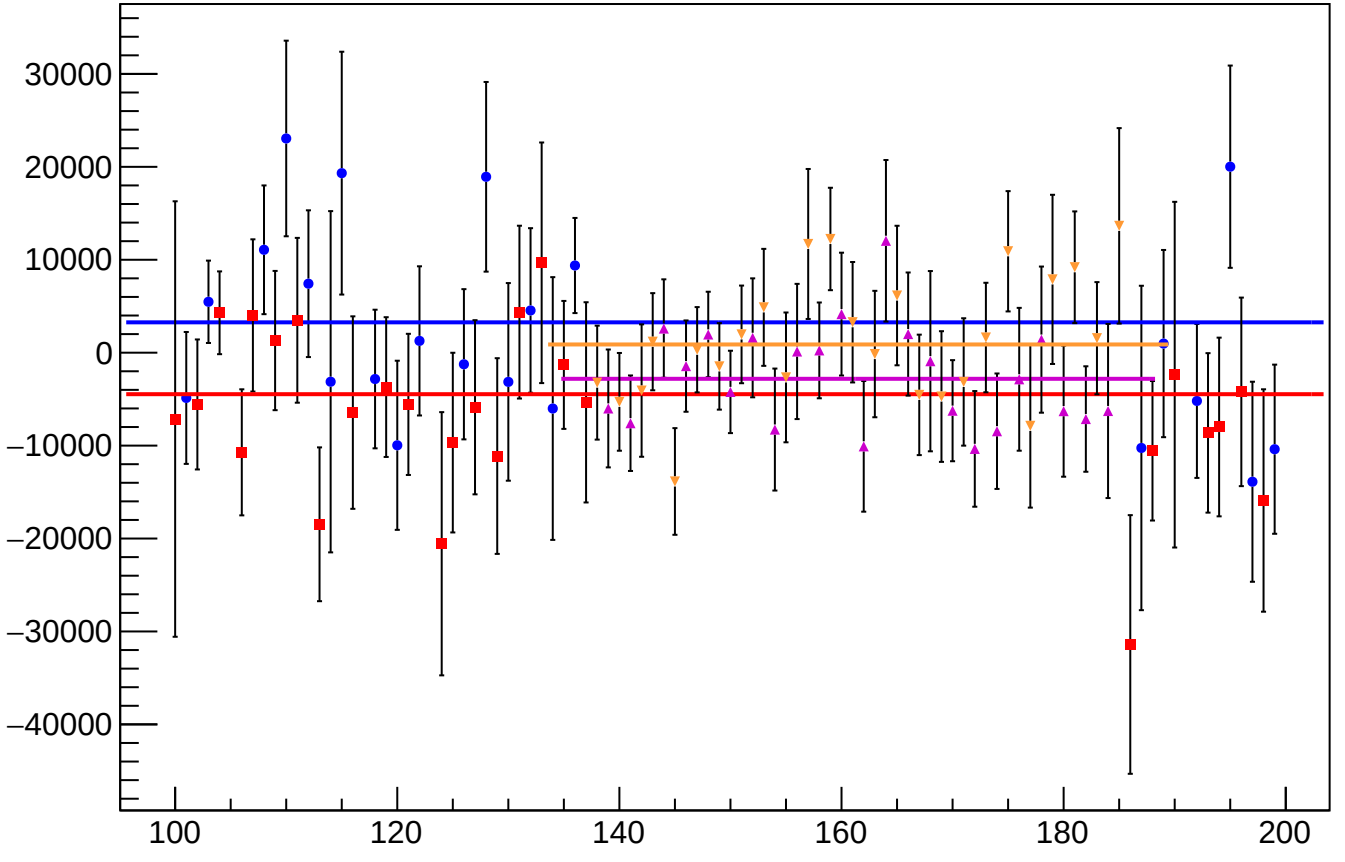
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5425.985+/-0.711 χ^2/NDF: 2916310.9/46

All: 5360.805+/-0.498 χ^2/NDF: 6788592.7/95

- sign 5297.858+/-0.699 χ^2/NDF: 3855769.0/48

asym_usr_atr2_avg_mean vs Slug



Right In: 3265.842+/-1774.529 χ^2/NDF: 24.9/21

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -4465.893+/-1692.784 χ^2/NDF: 20.2/25

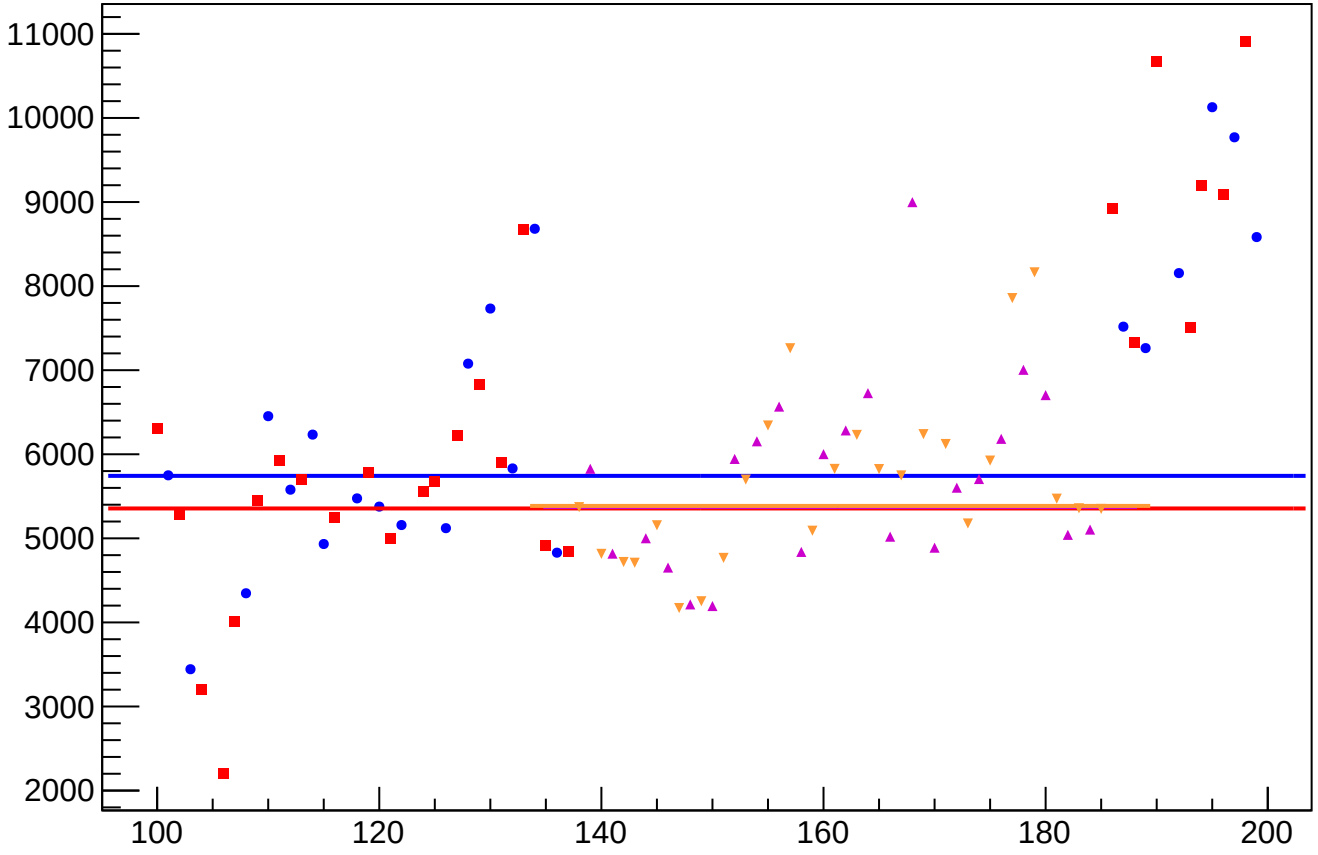
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1671.945+/-1020.002 χ^2/NDF: 51.7/46

All: -870.687+/-721.097 χ^2/NDF: 99.6/95

- sign -3411.152+/-1019.568 χ^2/NDF: 35.5/48

asym_usr_atr2_avg_rms vs Slug



Right In: 5743.066+/-1.255 χ^2/NDF: 1956738.8/21

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5355.334+/-1.160 χ^2/NDF: 3227008.2/25

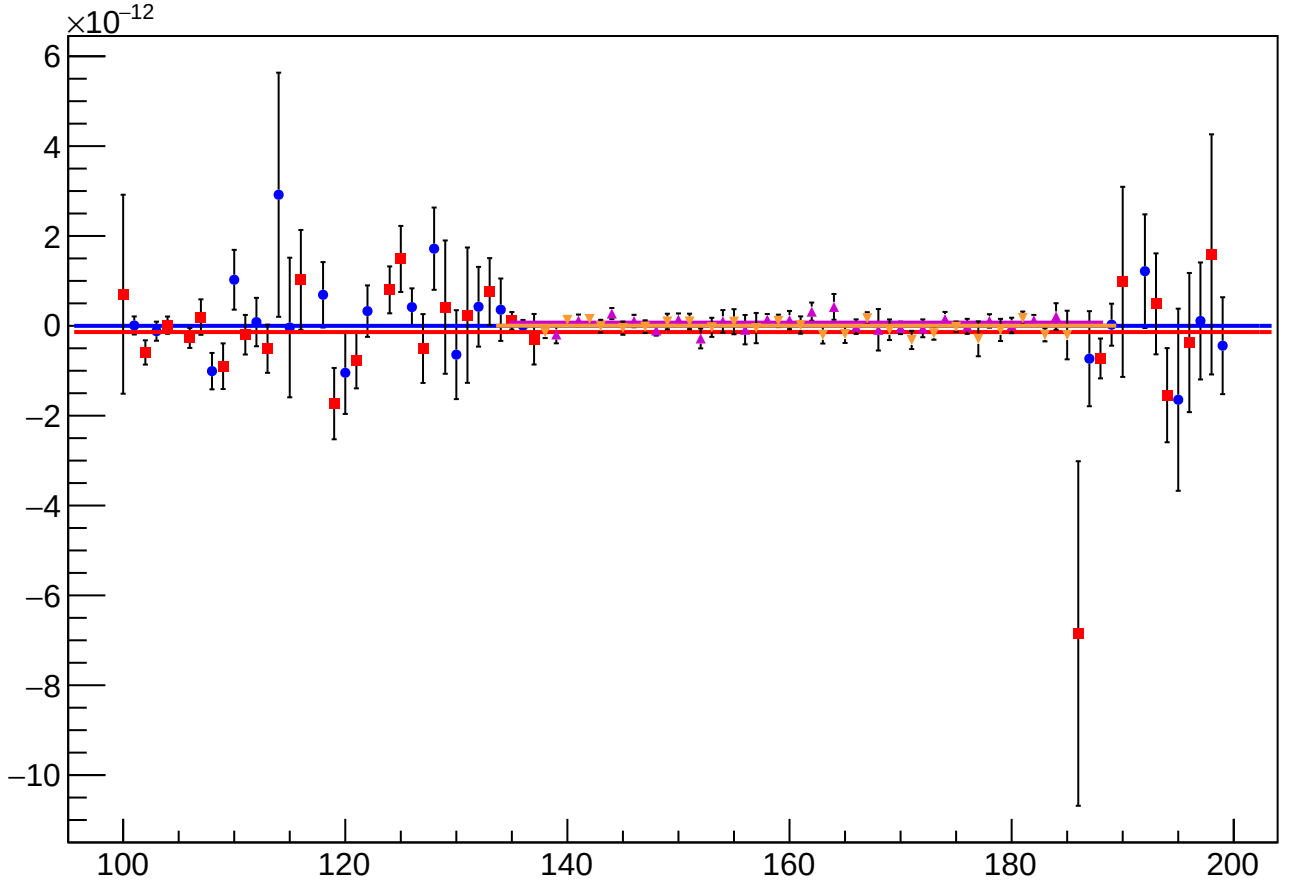
Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5503.741+/-0.721 χ^2/NDF: 2998155.6/46

All: 5434.155+/-0.507 χ^2/NDF: 7315519.6/95

- sign 5366.247+/-0.713 χ^2/NDF: 4298971.7/48

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

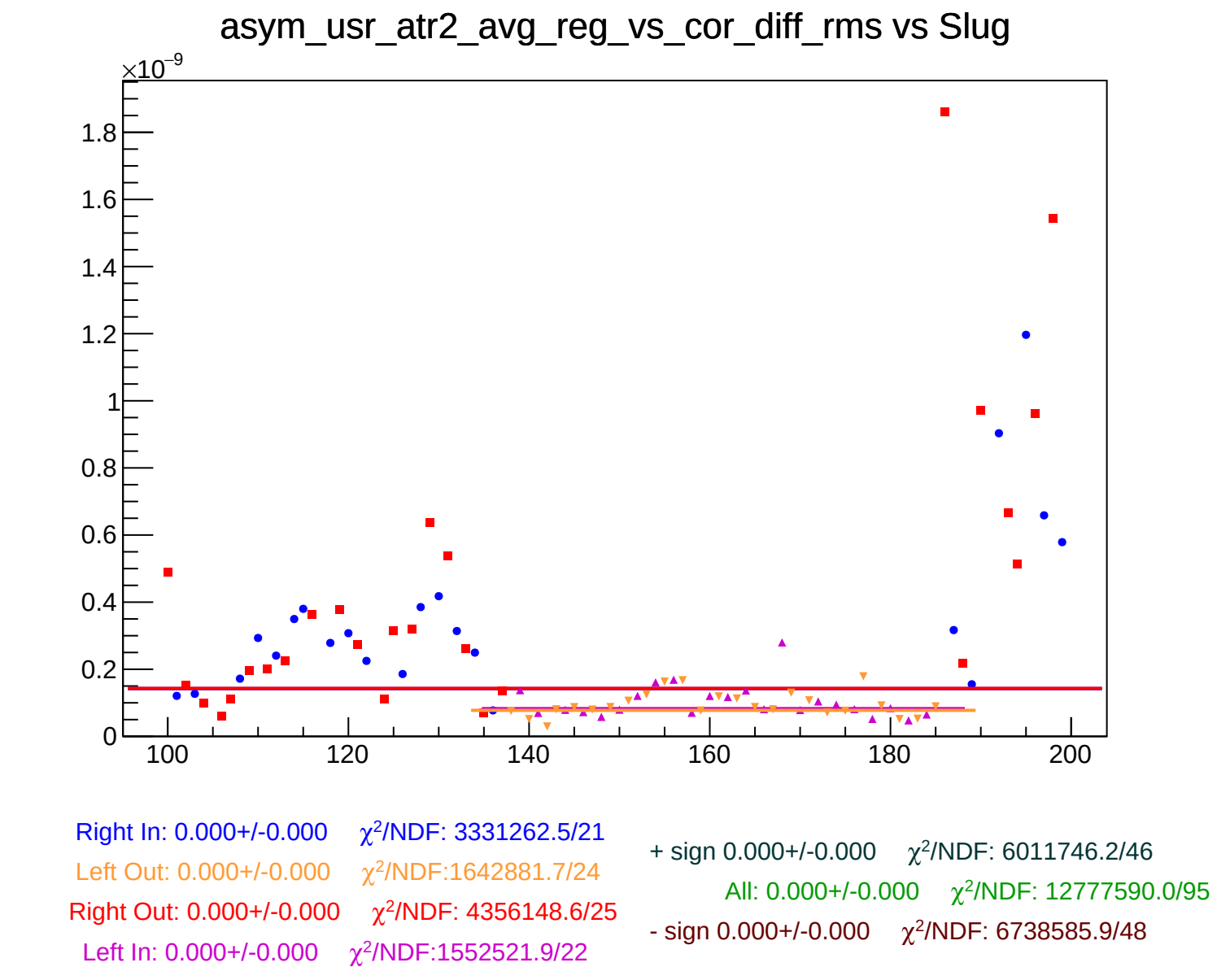
Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/25

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

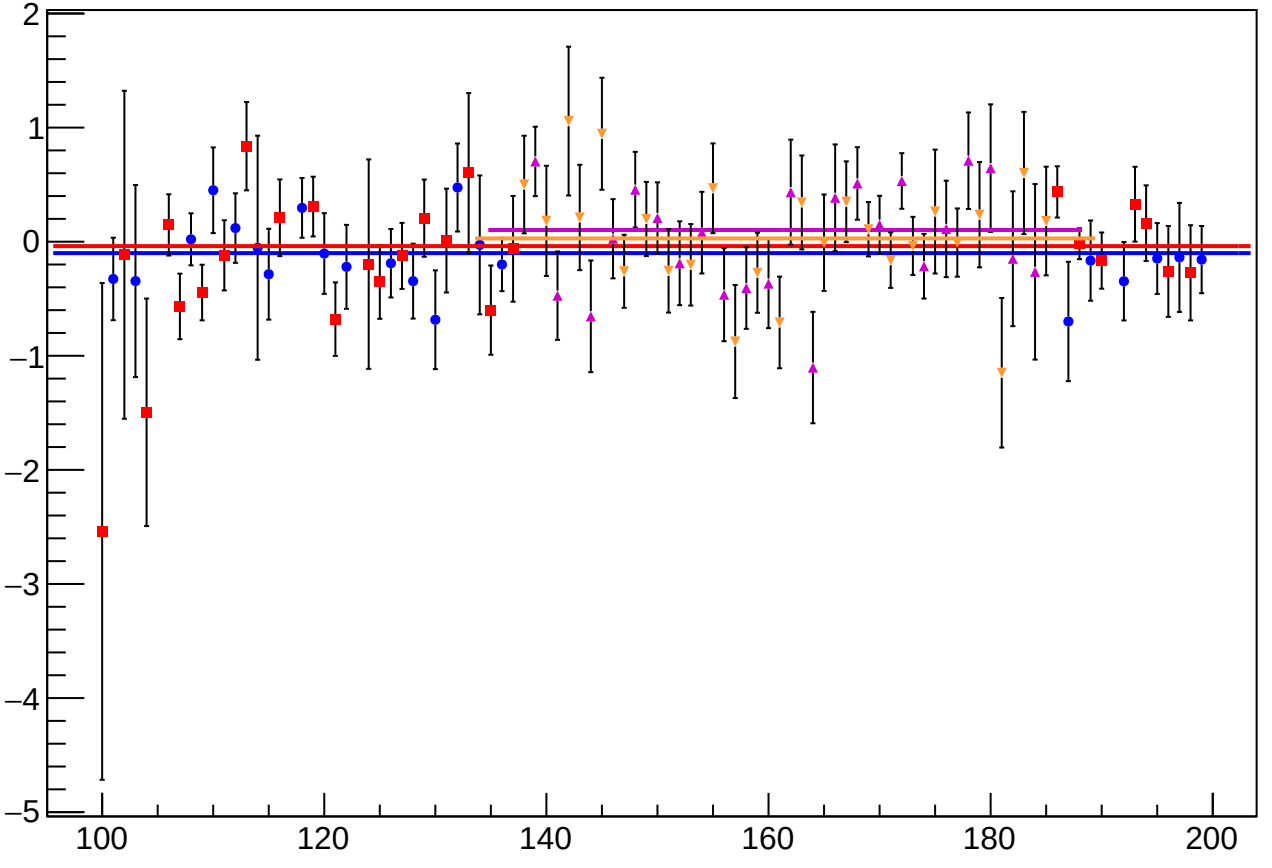
+ sign 0.000+/-0.000 χ^2/NDF: 38.6/46

All: 0.000+/-0.000 χ^2/NDF: 93.3/95

- 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: 3331262.5/21
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: 6011746.2/46
All: 0.000+/-0.000 χ²/NDF: 12777590.0/95
- sign 0.000+/-0.000 χ²/NDF: 6738585.9/48

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.039+/-0.061 χ^2/NDF: 33.1/25

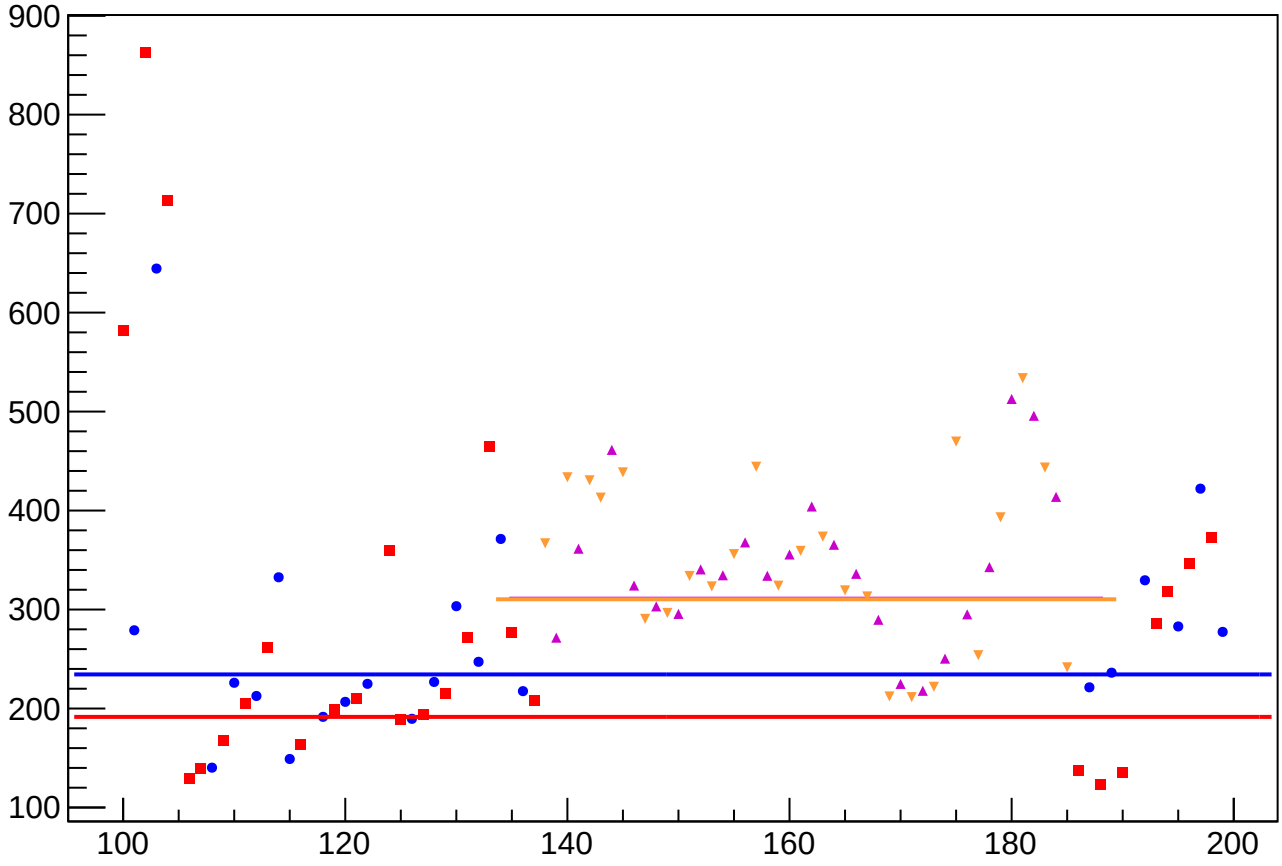
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.036+/-0.053 χ^2/NDF: 39.7/46

All: -0.007+/-0.035 χ^2/NDF: 107.7/95

- sign 0.017+/-0.048 χ^2/NDF: 67.4/48

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 234.452+/-0.052 χ^2/NDF: 1801156.4/21

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

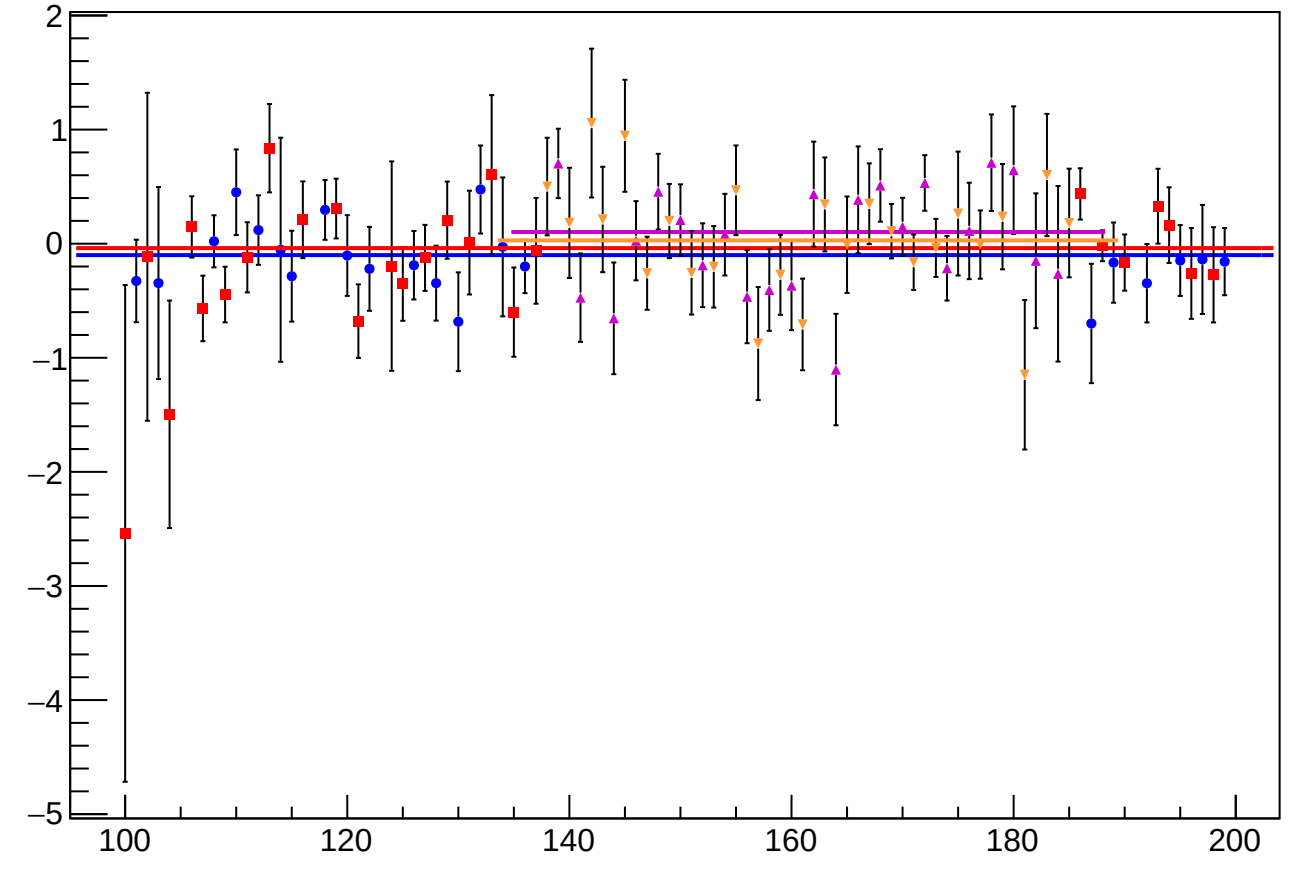
Right Out: 191.549+/-0.043 χ^2/NDF: 3747113.1/25

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 271.986+/-0.037 χ^2/NDF: 5209159.3/46

All: 253.654+/-0.025 χ^2/NDF: 13980094.4/95

- sign 238.464+/-0.034 χ^2/NDF: 8325128.7/48



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

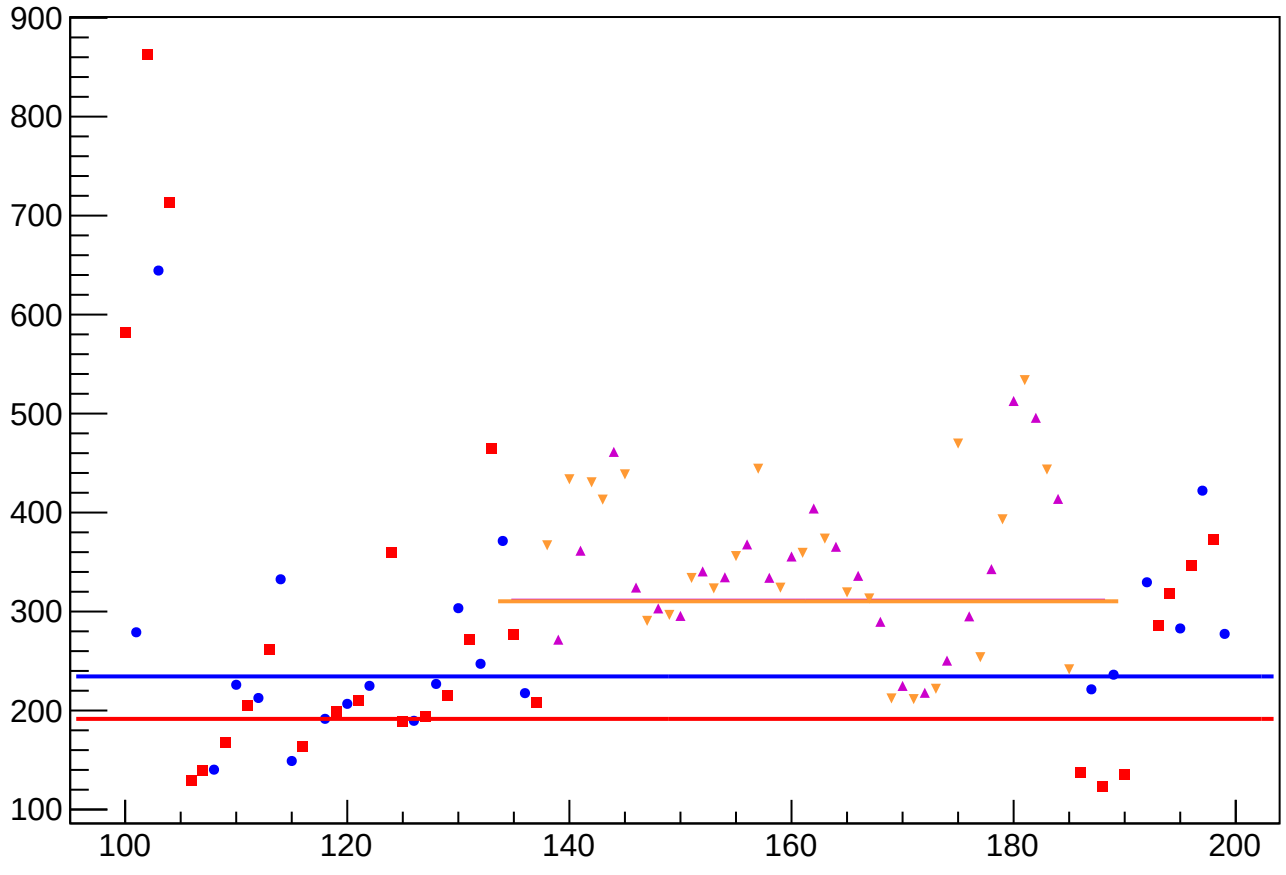
Right Out: -0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.036+/-0.053 χ^2/NDF: 39.7/46

All: -0.007+/-0.035 χ^2/NDF: 107.7/95

- sign 0.017+/-0.048 χ^2/NDF: 67.4/48



Right In: 234.452+/-0.052 χ^2/NDF: 1801156.4/21

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

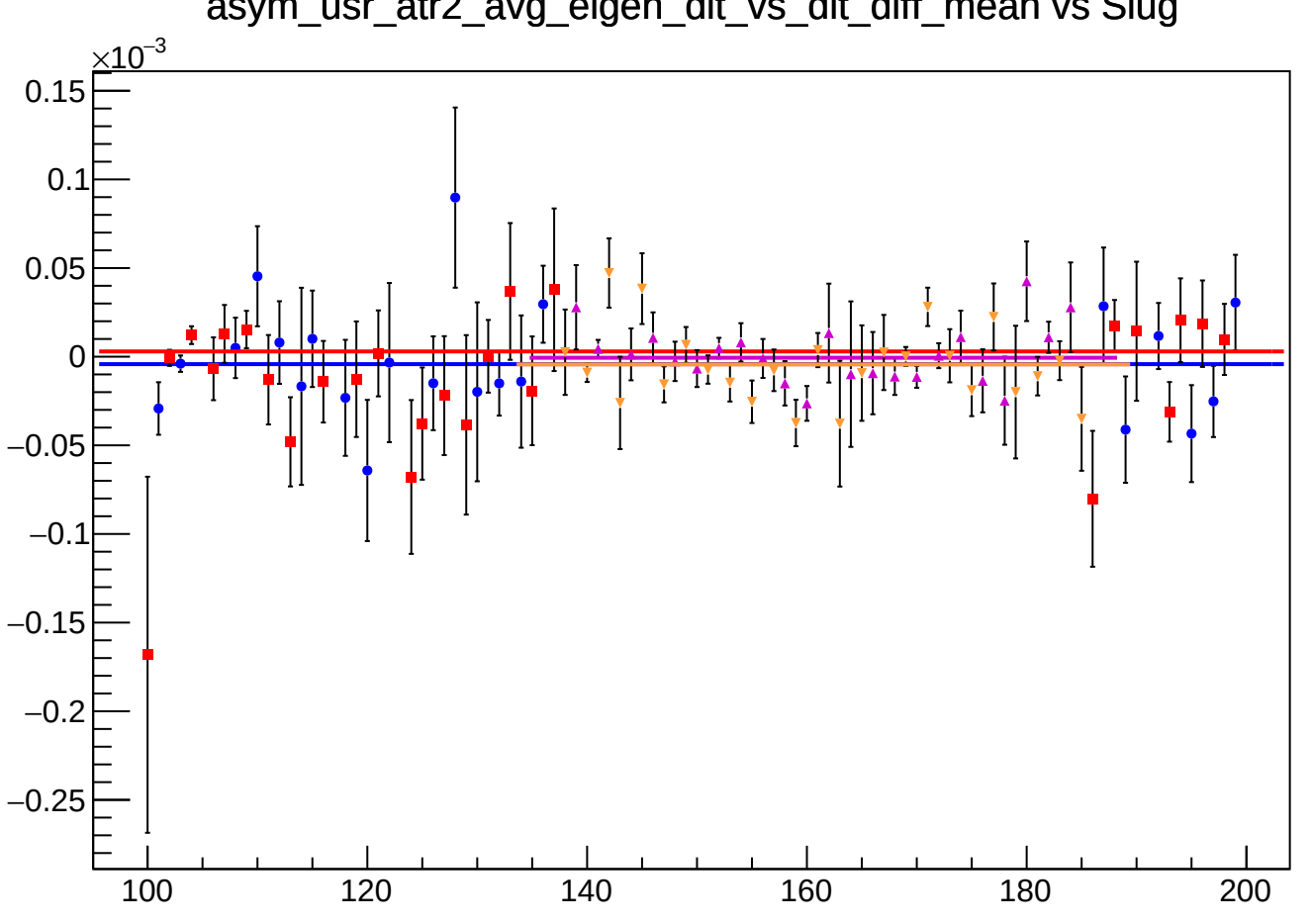
Right Out: 191.549+/-0.043 χ^2/NDF: 3747113.1/25

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 271.986+/-0.037 χ^2/NDF: 5209159.3/46

All: 253.654+/-0.025 χ^2/NDF: 13980094.4/95

- sign 238.464+/-0.034 χ^2/NDF: 8325128.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

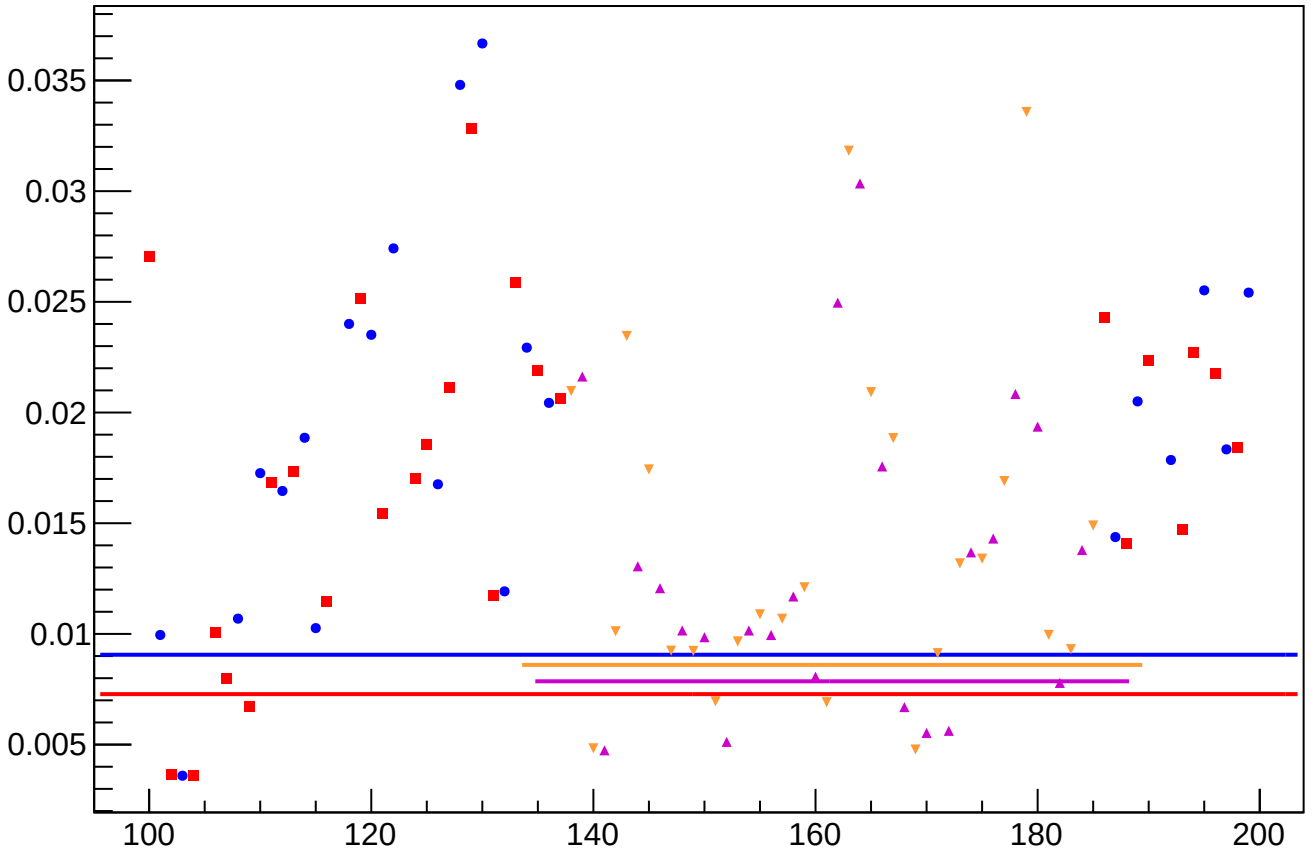
Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/25

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.3/46

All: -0.000+/-0.000 χ^2/NDF: 130.5/95

- sign 0.000+/-0.000 χ^2/NDF: 60.2/48



Right In: 0.009+/-0.000 χ^2/NDF: 9100394.1/21

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

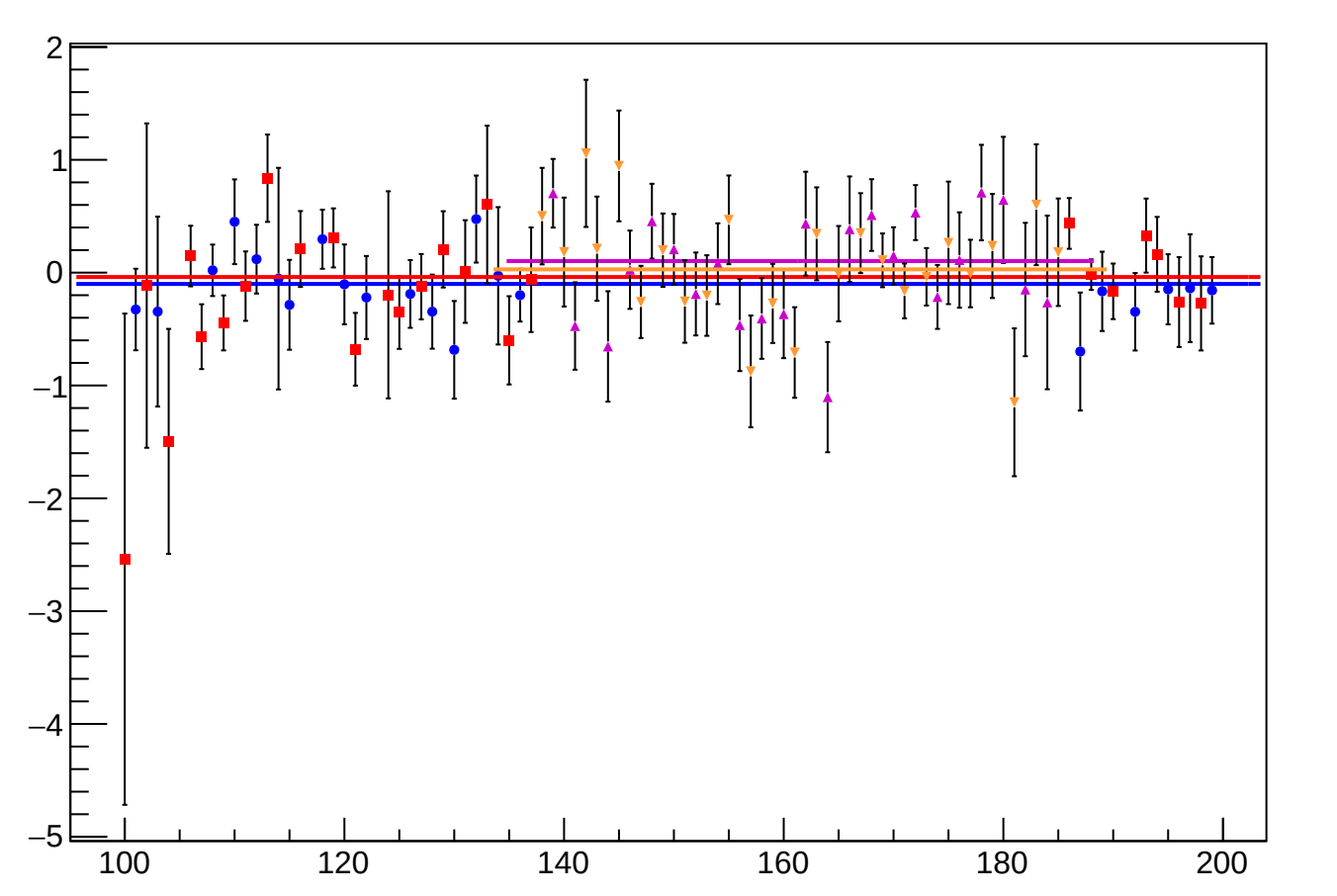
Right Out: 0.007+/-0.000 χ^2/NDF: 10040420.1/25

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 16778002.4/46

All: 0.008+/-0.000 χ^2/NDF: 34025517.5/95

- sign 0.008+/-0.000 χ^2/NDF: 16876195.8/48



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

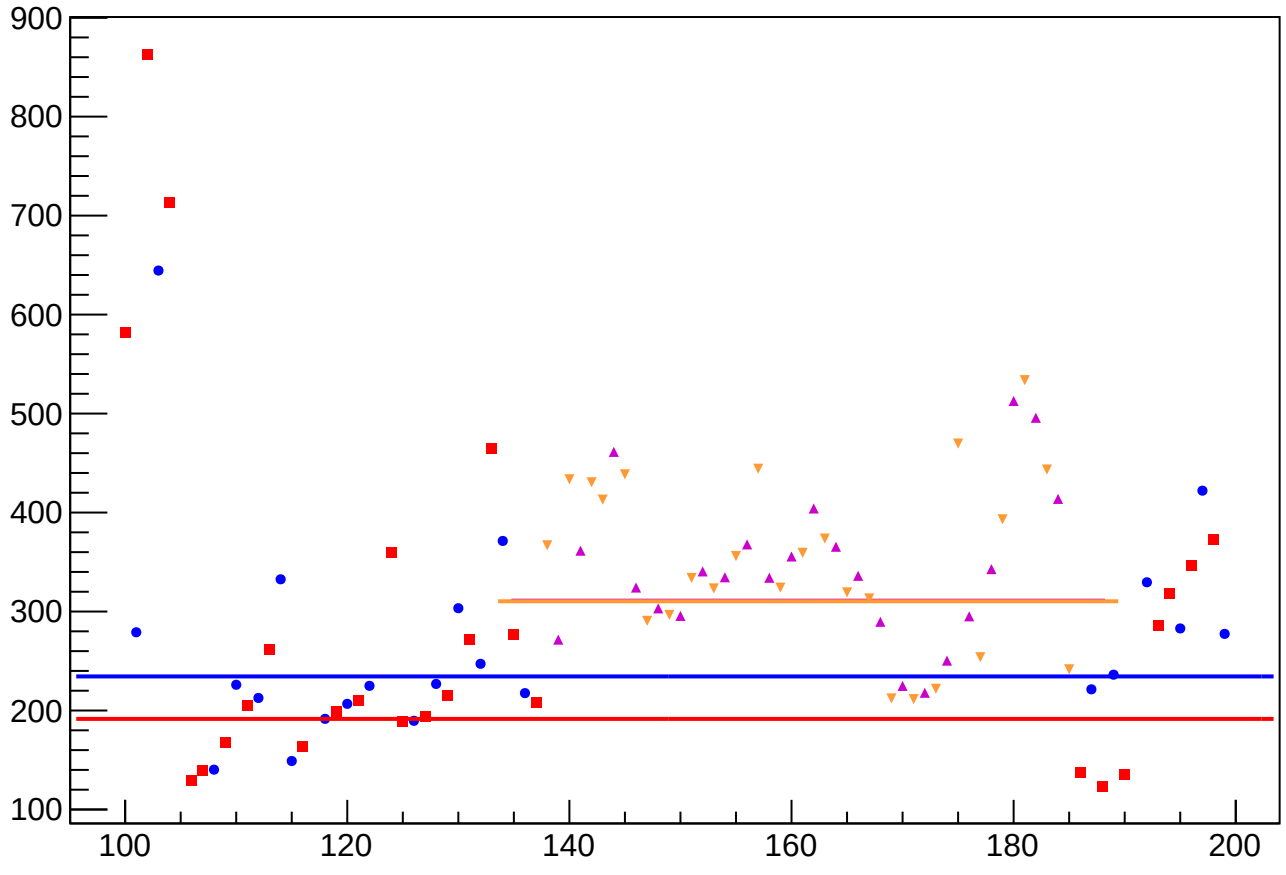
Right Out: -0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.036+/-0.053 χ^2/NDF: 39.7/46

All: -0.007+/-0.035 χ^2/NDF: 107.7/95

- sign 0.017+/-0.048 χ^2/NDF: 67.4/48



Right In: 234.451+/-0.052 χ^2/NDF: 1801136.0/21

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

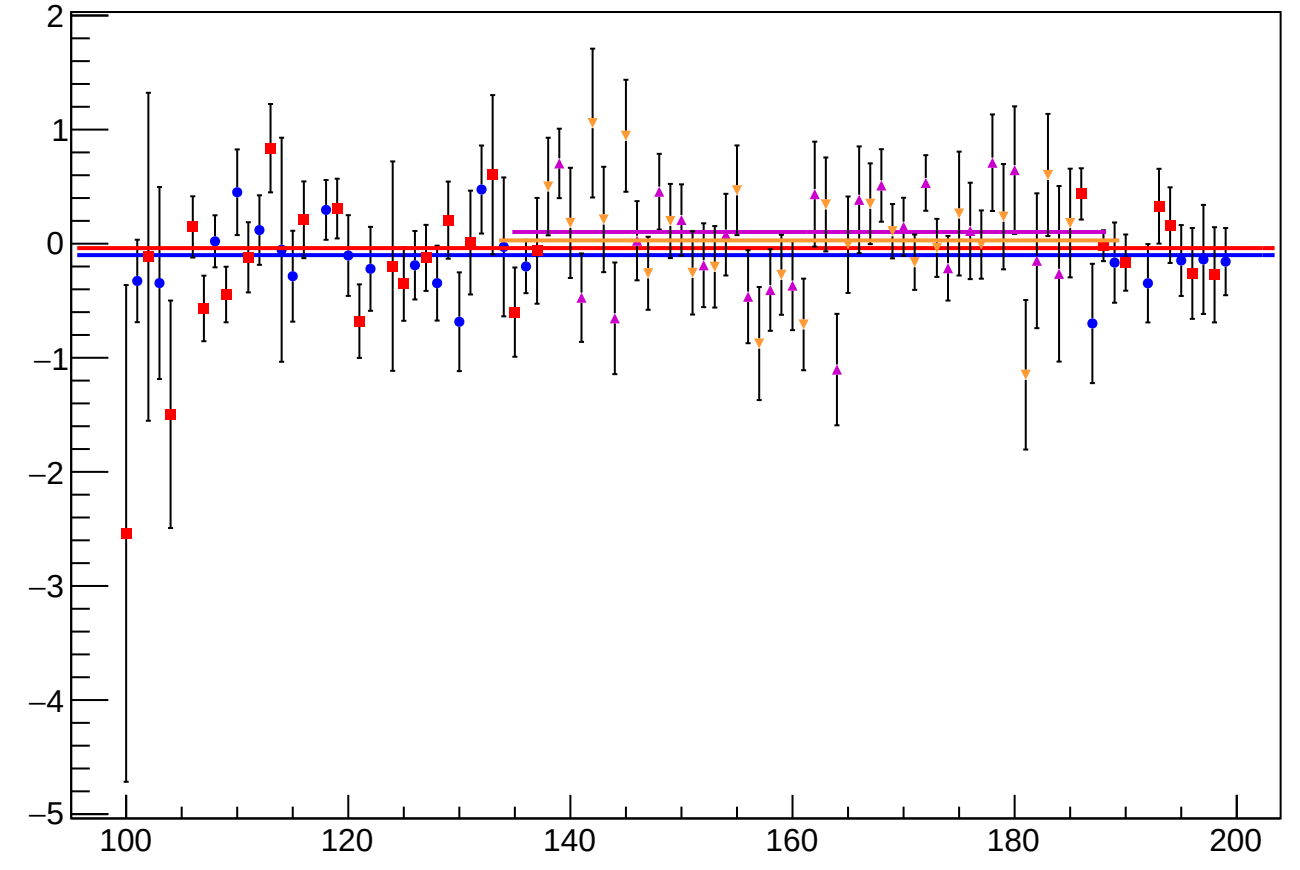
Right Out: 191.547+/-0.043 χ^2/NDF: 3747221.0/25

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 271.986+/-0.037 χ^2/NDF: 5209305.9/46

All: 253.654+/-0.025 χ^2/NDF: 13980739.3/95

- sign 238.462+/-0.034 χ^2/NDF: 8325565.9/48



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

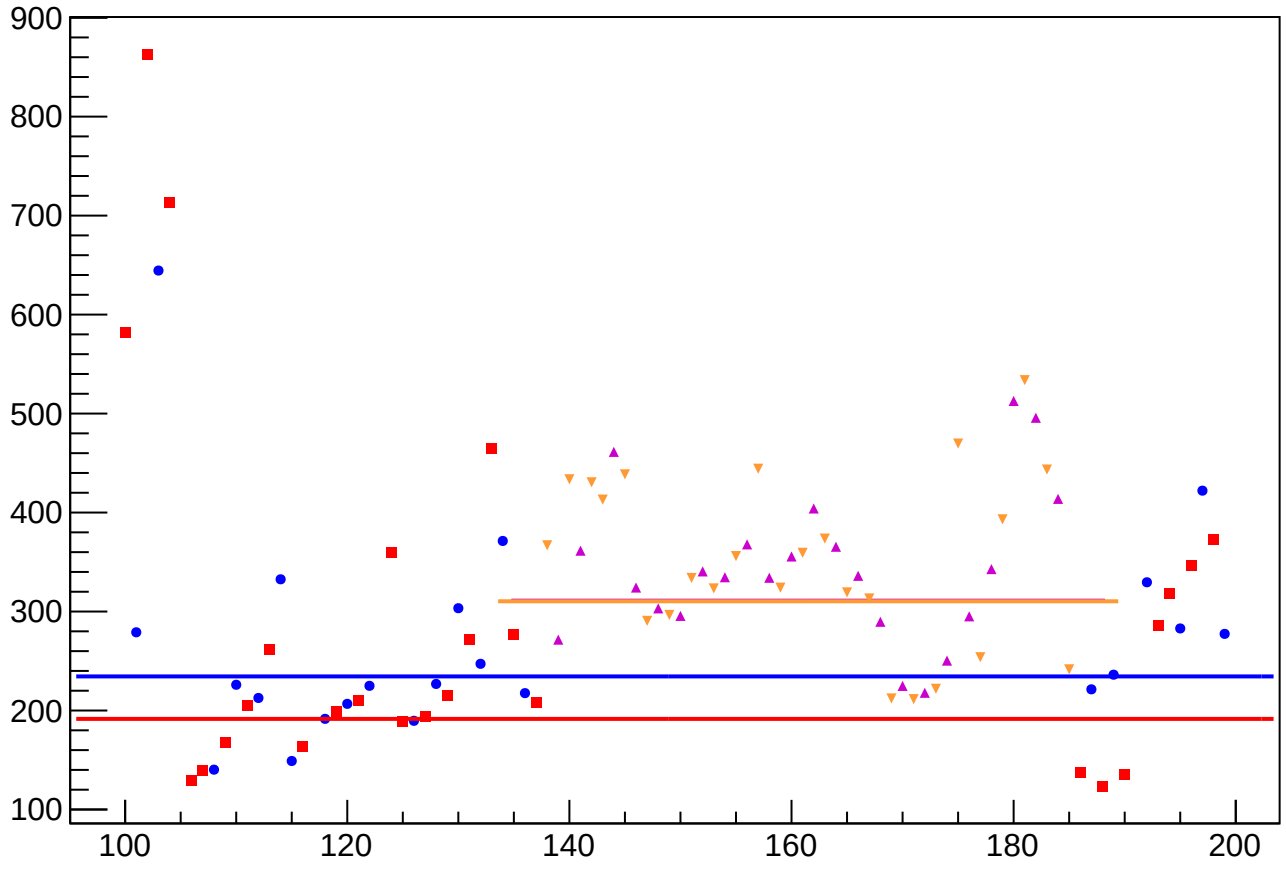
Right Out: -0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.036+/-0.053 χ^2/NDF: 39.7/46

All: -0.007+/-0.035 χ^2/NDF: 107.7/95

- sign 0.017+/-0.048 χ^2/NDF: 67.4/48



Right In: 234.451+/-0.052 χ^2/NDF: 1801136.0/21

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

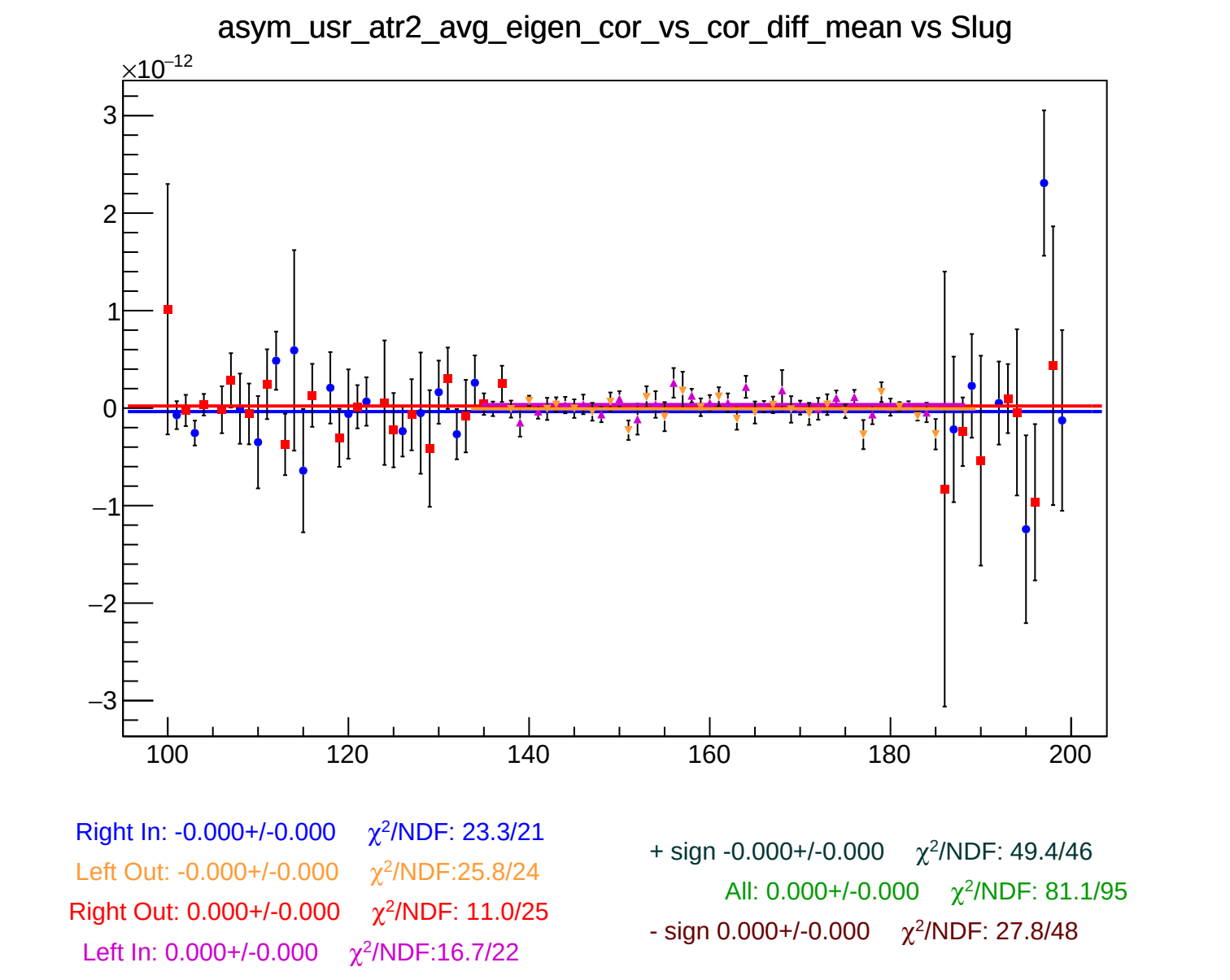
Right Out: 191.547+/-0.043 χ^2/NDF: 3747221.0/25

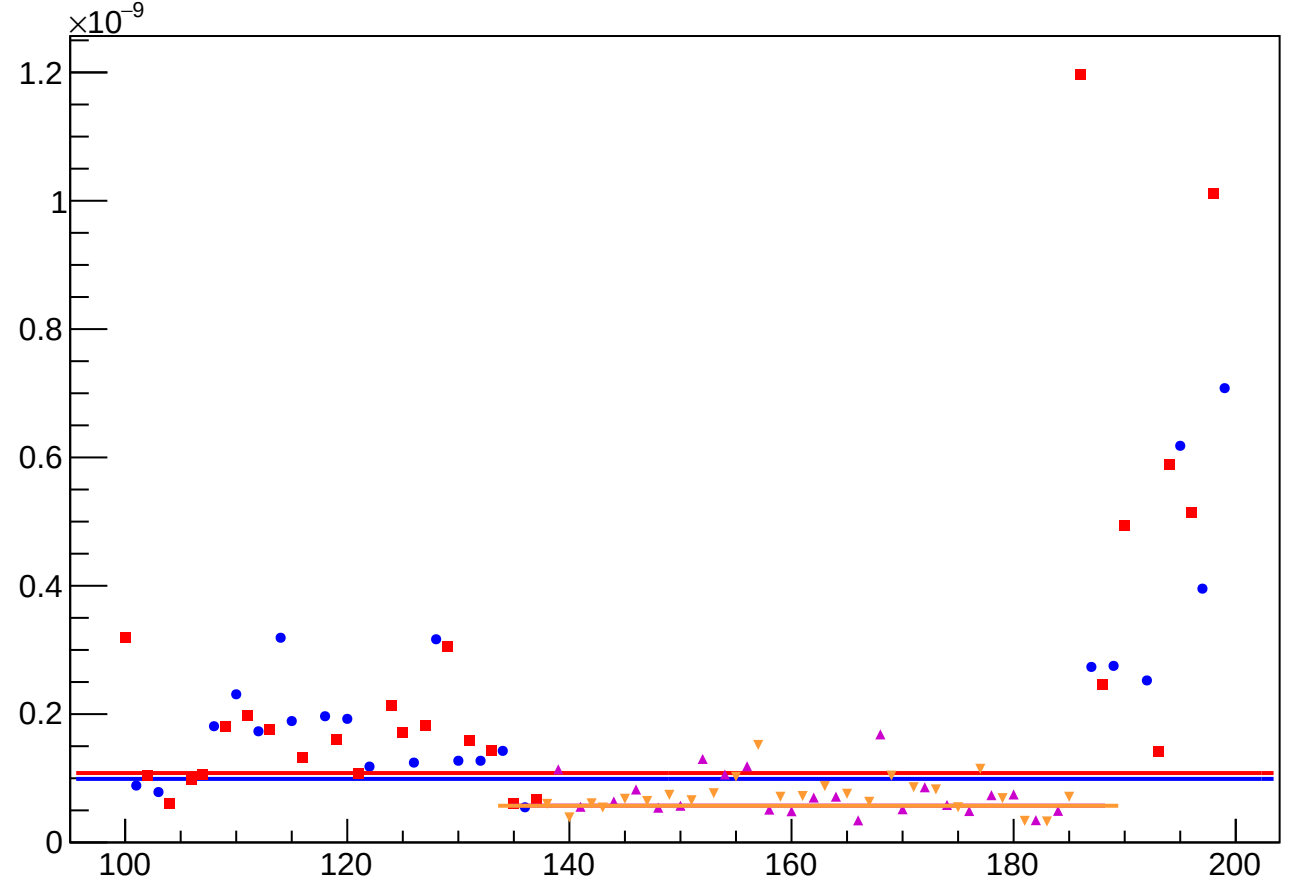
Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 271.986+/-0.037 χ^2/NDF: 5209305.9/46

All: 253.654+/-0.025 χ^2/NDF: 13980739.3/95

- 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
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.3/21
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: 49.4/46
All: 0.000+/-0.000 χ²/NDF: 81.1/95
- sign 0.000+/-0.000 χ²/NDF: 27.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 4221115.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4776415.8/25

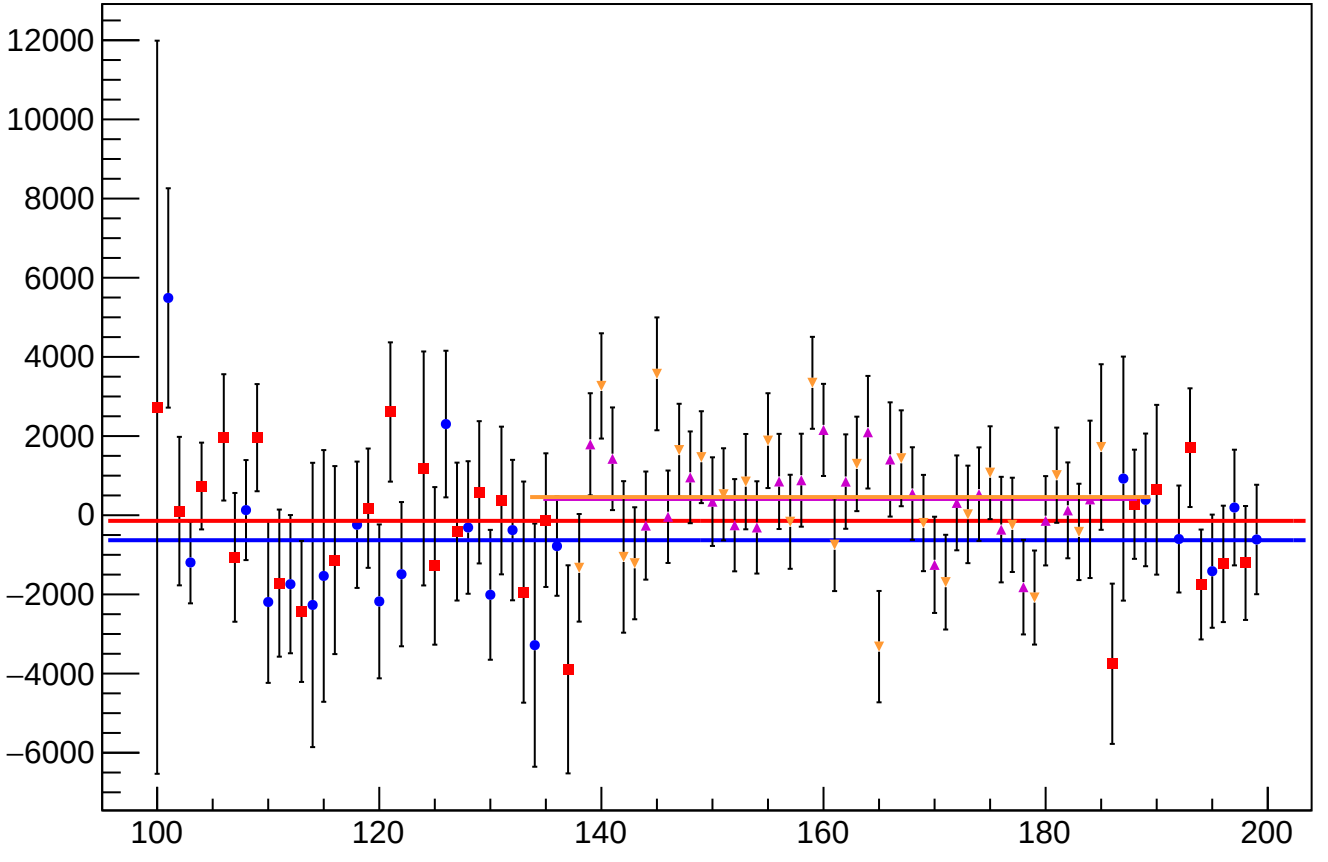
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8857164.9/46

All: 0.000+/-0.000 χ^2/NDF: 18732732.3/95

- sign 0.000+/-0.000 χ^2/NDF: 9871470.5/48

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -631.094+/-354.331 χ^2/NDF: 13.0/21

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -142.045+/-337.023 χ^2/NDF: 20.9/25

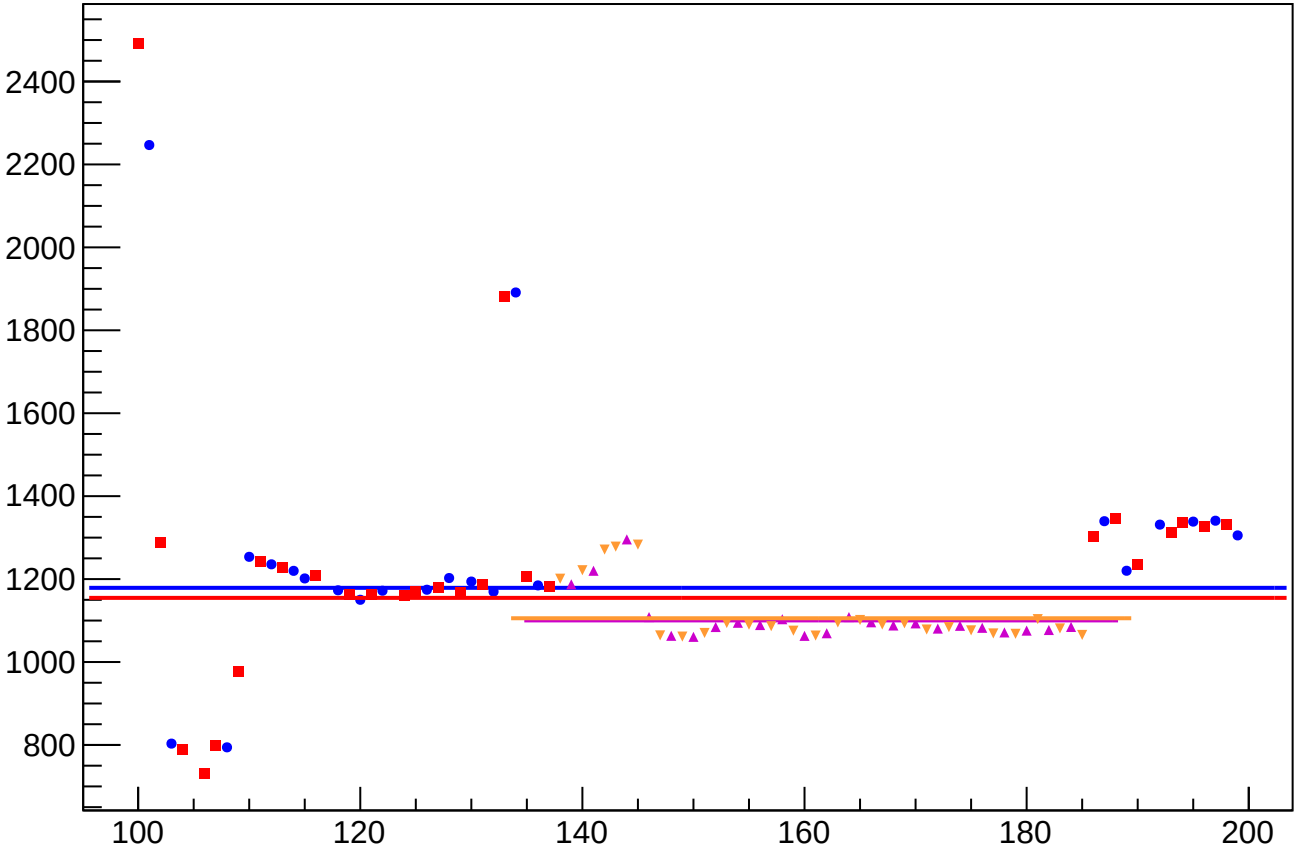
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 93.581+/-205.110 χ^2/NDF: 61.4/46

All: 150.779+/-144.805 χ^2/NDF: 97.8/95

- sign 207.617+/-204.463 χ^2/NDF: 36.2/48

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1178.916+/-0.251 χ^2/NDF: 959232.4/21

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

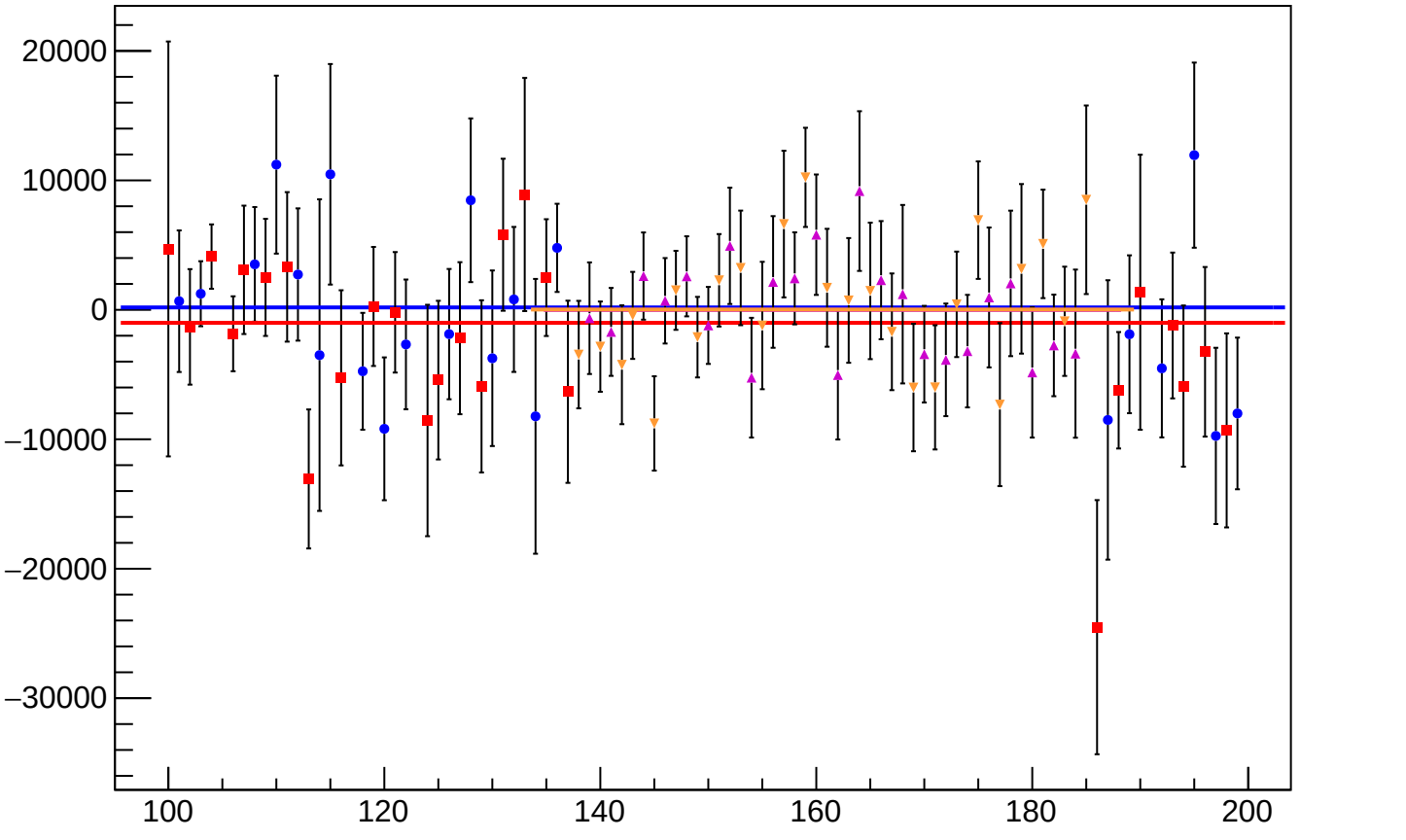
Right Out: 1154.697+/-0.237 χ^2/NDF: 893595.3/25

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1130.133+/-0.145 χ^2/NDF: 1138195.5/46

All: 1125.288+/-0.102 χ^2/NDF: 2147349.4/95

- sign 1120.494+/-0.144 χ^2/NDF: 1006933.8/48



Right In: 185.548+/-1118.778 χ^2/NDF: 22.5/21

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -1005.690+/-1013.753 χ^2/NDF: 26.5/25

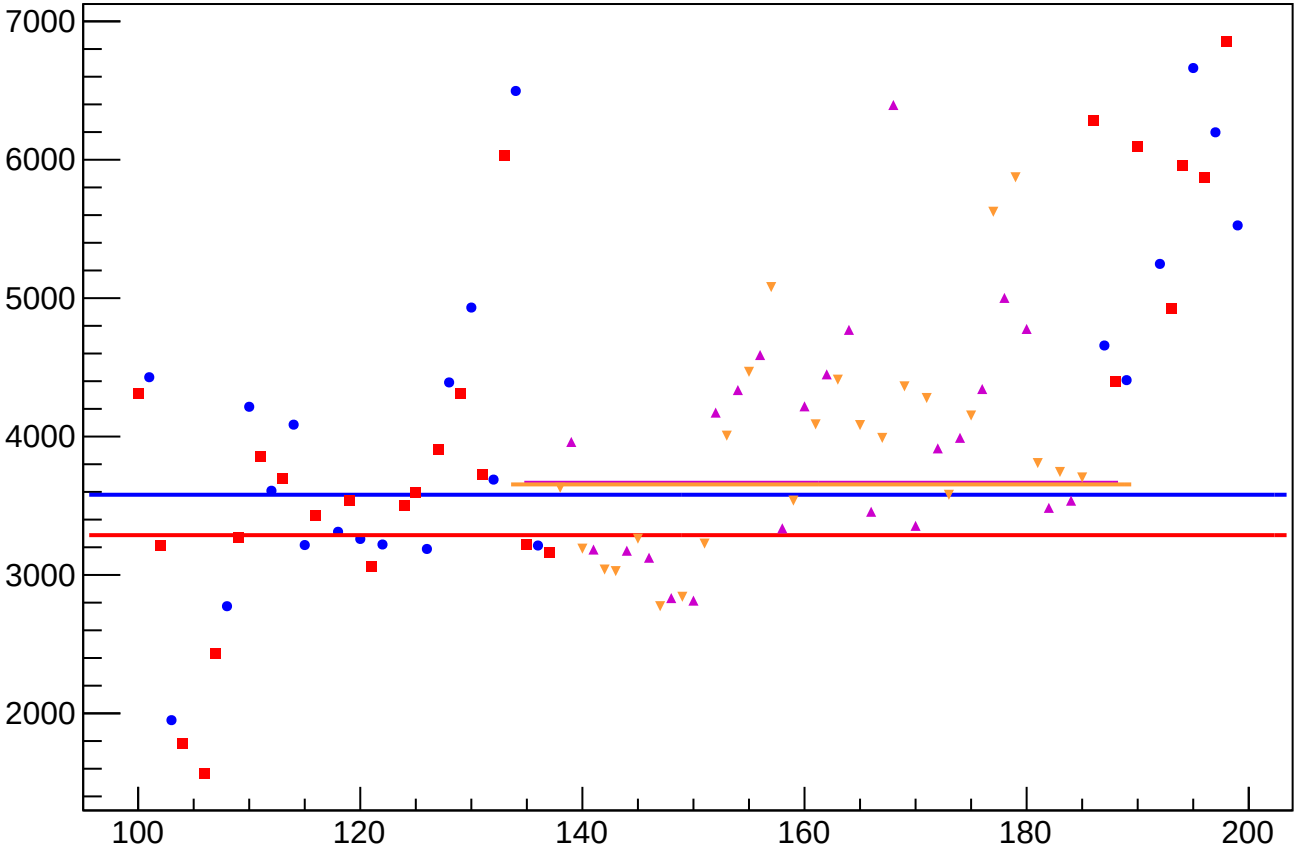
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 82.758+/-677.021 χ^2/NDF: 51.0/46

All: -180.775+/-473.508 χ^2/NDF: 92.4/95

- sign -433.124+/-662.497 χ^2/NDF: 41.0/48

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3579.553+/-0.791 χ^2/NDF: 2443797.0/21

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3287.604+/-0.717 χ^2/NDF: 3573508.2/25

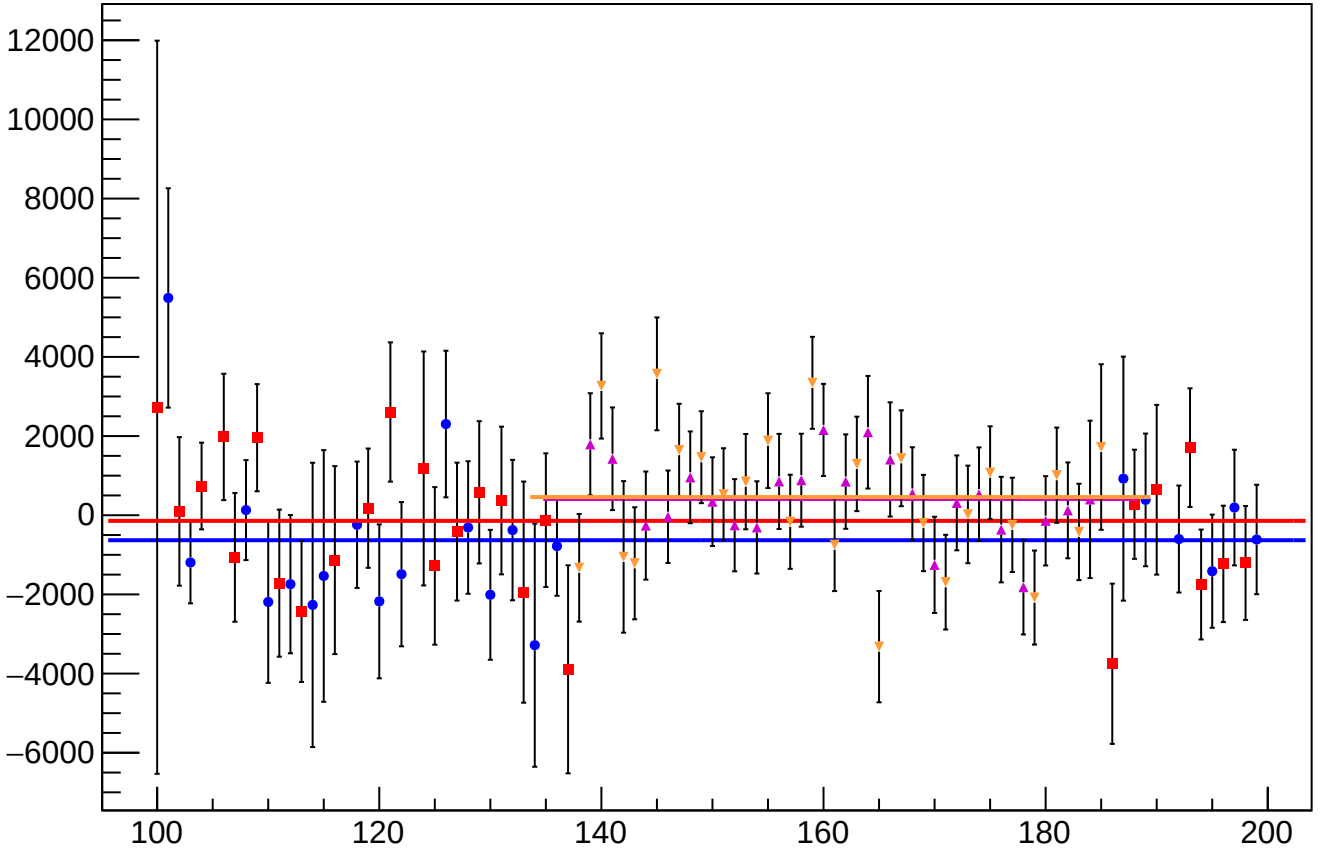
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3626.863+/-0.479 χ^2/NDF: 3761201.4/46

All: 3564.337+/-0.335 χ^2/NDF: 8871558.1/95

- sign 3504.464+/-0.468 χ^2/NDF: 5076962.8/48

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -631.097+/-354.331 χ^2/NDF: 13.0/21

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -141.855+/-337.026 χ^2/NDF: 20.9/25

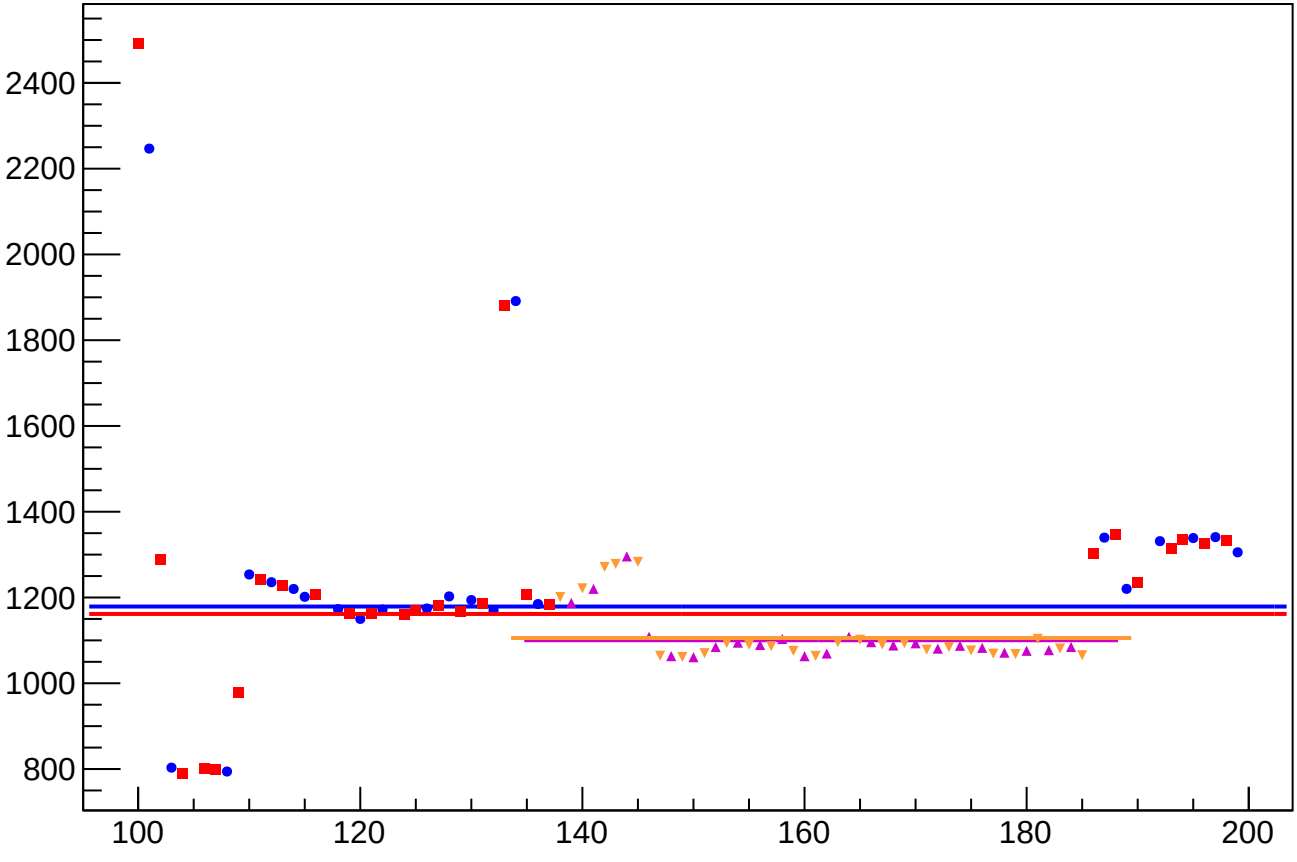
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 93.621+/-205.110 χ^2/NDF: 61.4/46

All: 150.804+/-144.805 χ^2/NDF: 97.8/95

- sign 207.627+/-204.463 χ^2/NDF: 36.2/48

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1178.916+/-0.251 χ^2/NDF: 959228.1/21

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1161.623+/-0.238 χ^2/NDF: 820568.9/25

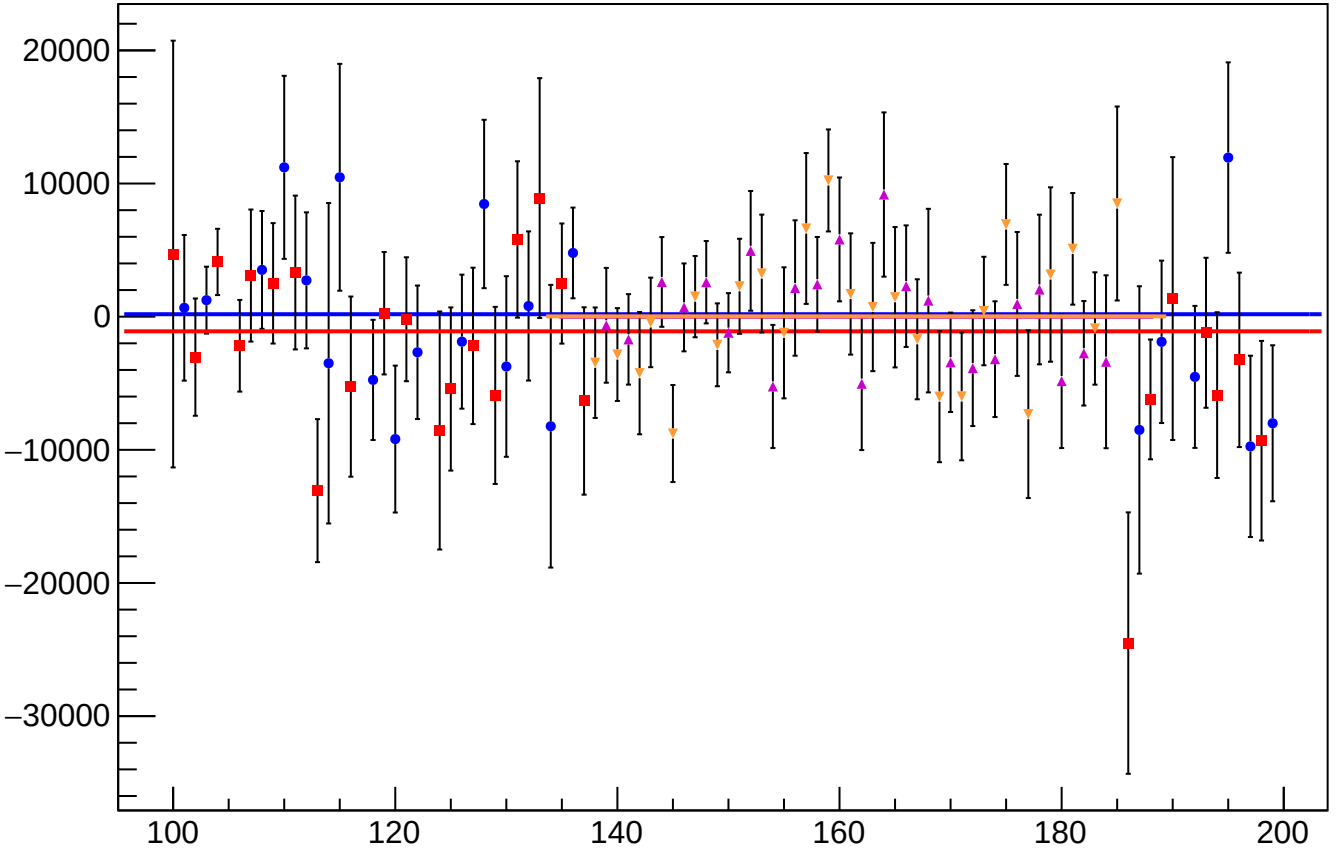
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1130.133+/-0.145 χ^2/NDF: 1138191.9/46

All: 1126.523+/-0.102 χ^2/NDF: 2082080.4/95

- sign 1122.938+/-0.145 χ^2/NDF: 942653.5/48

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 185.059+/-1118.815 χ^2/NDF: 22.5/21

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1099.330+/-1031.740 χ^2/NDF: 26.7/25

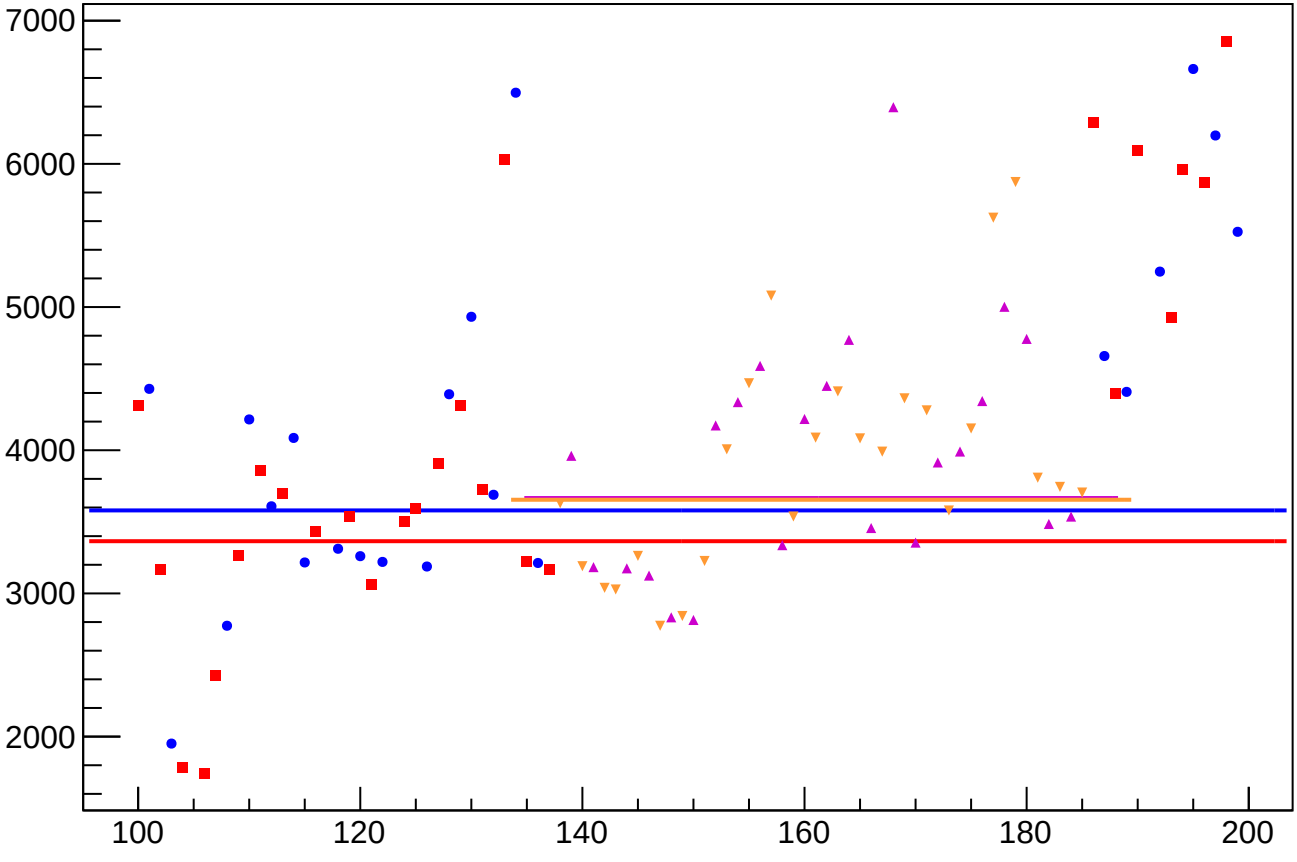
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 82.574+/-677.029 χ^2/NDF: 51.0/46

All: -194.490+/-475.306 χ^2/NDF: 92.7/95

- sign -463.762+/-667.441 χ^2/NDF: 41.4/48

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3579.731+/-0.791 χ^2/NDF: 2443146.1/21

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3364.728+/-0.730 χ^2/NDF: 3258034.8/25

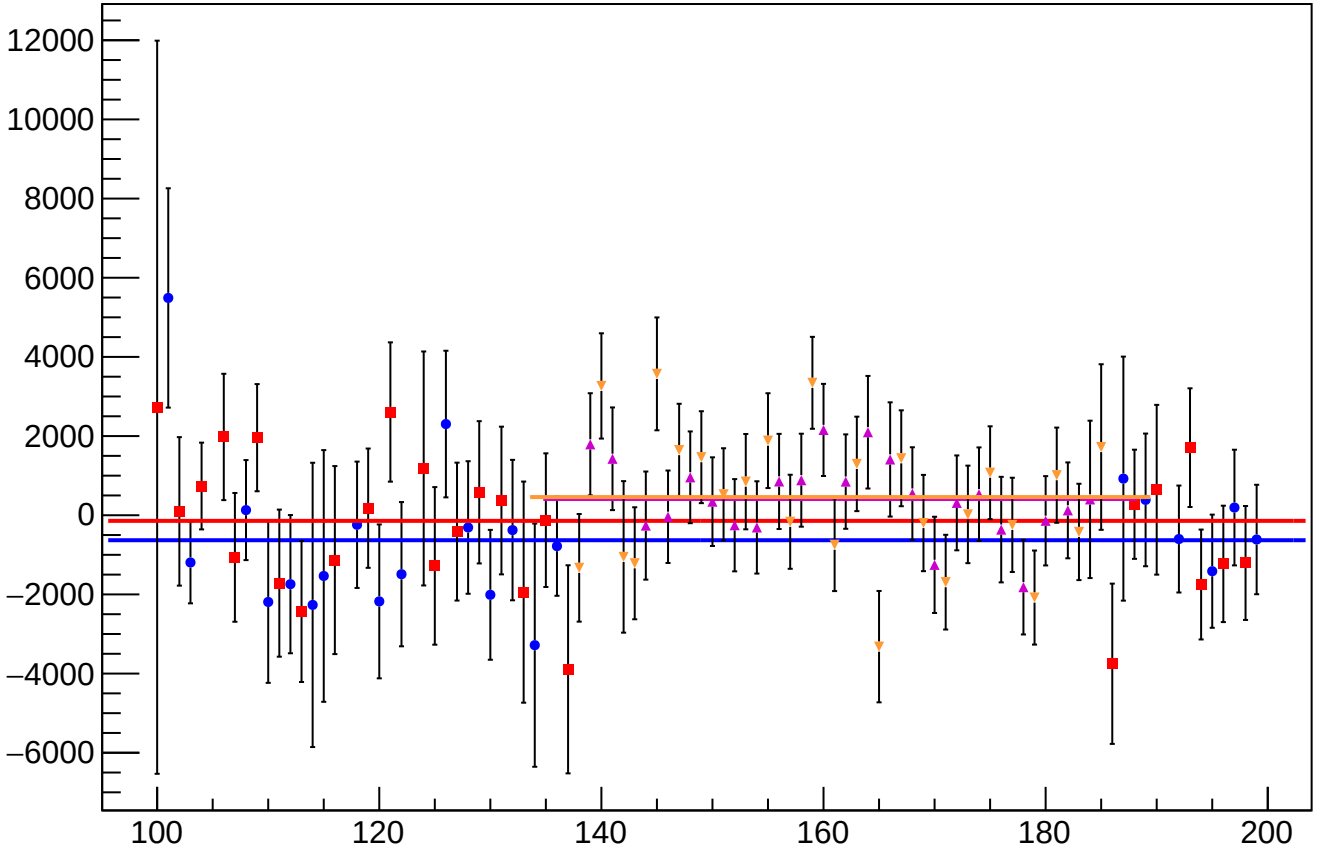
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3626.928+/-0.479 χ^2/NDF: 3760530.7/46

All: 3582.838+/-0.336 χ^2/NDF: 8478244.0/95

- sign 3539.987+/-0.472 χ^2/NDF: 4700987.7/48

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -631.097+/-354.331 χ^2/NDF: 13.0/21

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -141.855+/-337.026 χ^2/NDF: 20.9/25

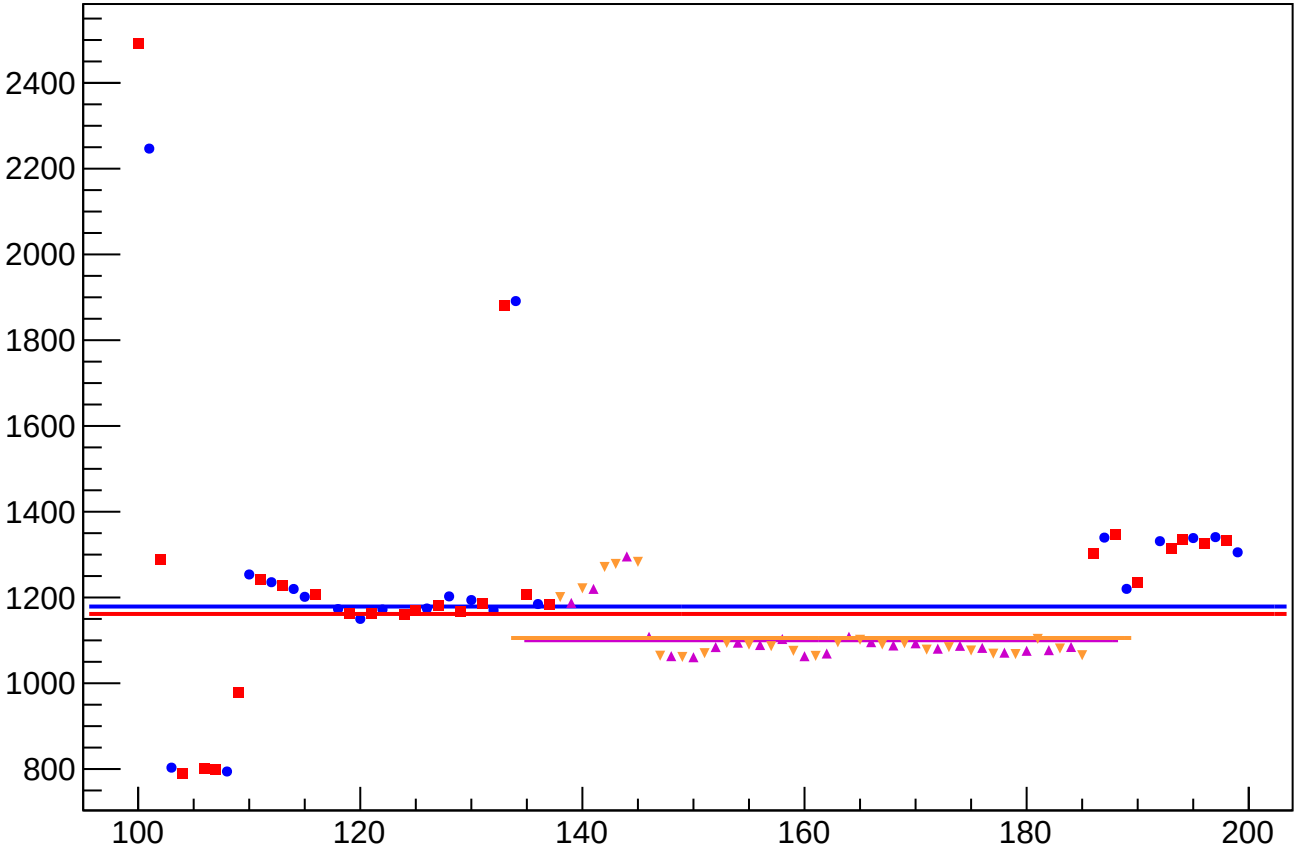
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 93.621+/-205.110 χ^2/NDF: 61.4/46

All: 150.804+/-144.805 χ^2/NDF: 97.8/95

- sign 207.627+/-204.463 χ^2/NDF: 36.2/48

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1178.916+/-0.251 χ^2/NDF: 959228.1/21

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

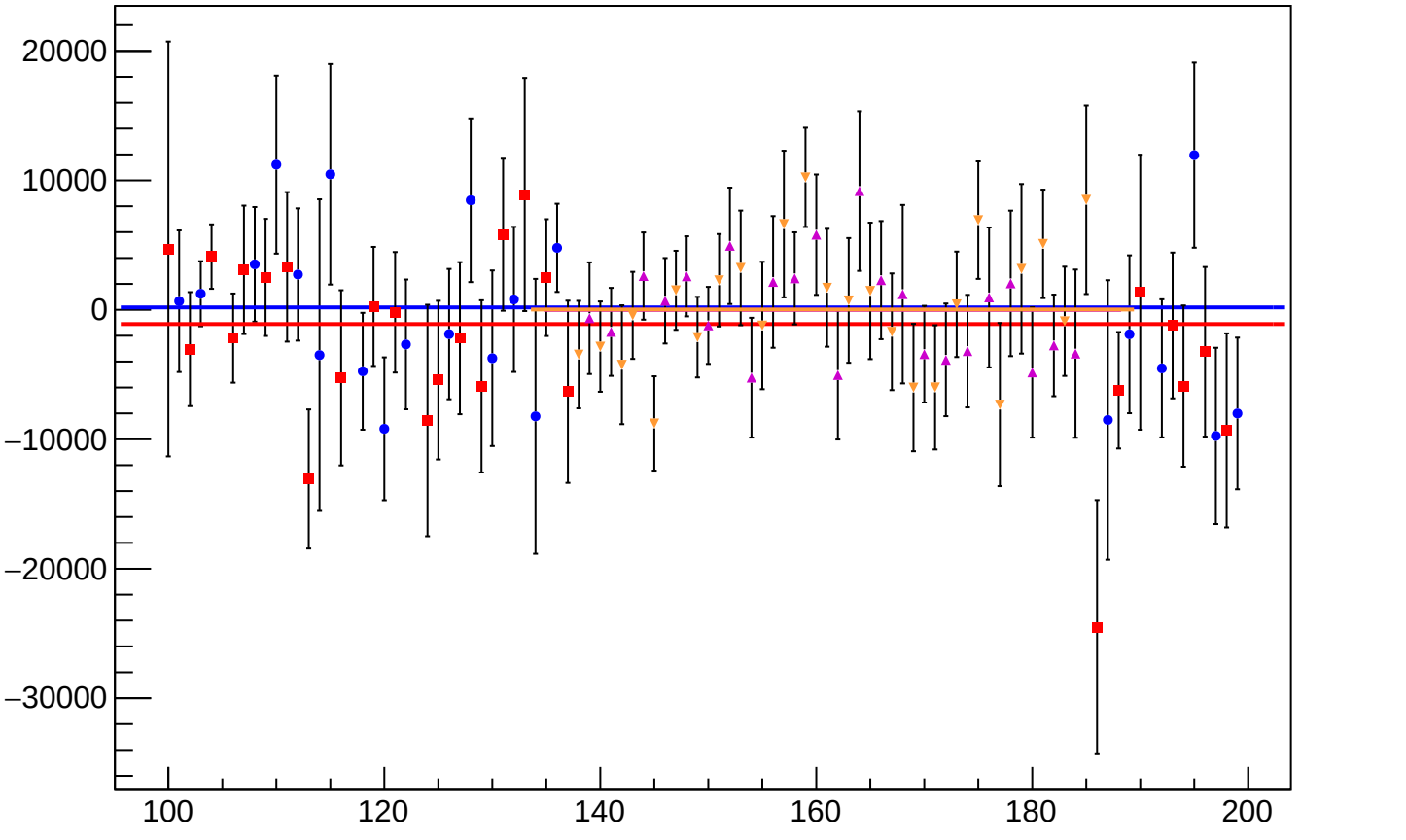
Right Out: 1161.623+/-0.238 χ^2/NDF: 820568.9/25

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1130.133+/-0.145 χ^2/NDF: 1138191.9/46

All: 1126.523+/-0.102 χ^2/NDF: 2082080.4/95

- sign 1122.938+/-0.145 χ^2/NDF: 942653.5/48



Right In: 185.059+/-1118.815 χ^2/NDF: 22.5/21

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1099.330+/-1031.740 χ^2/NDF: 26.7/25

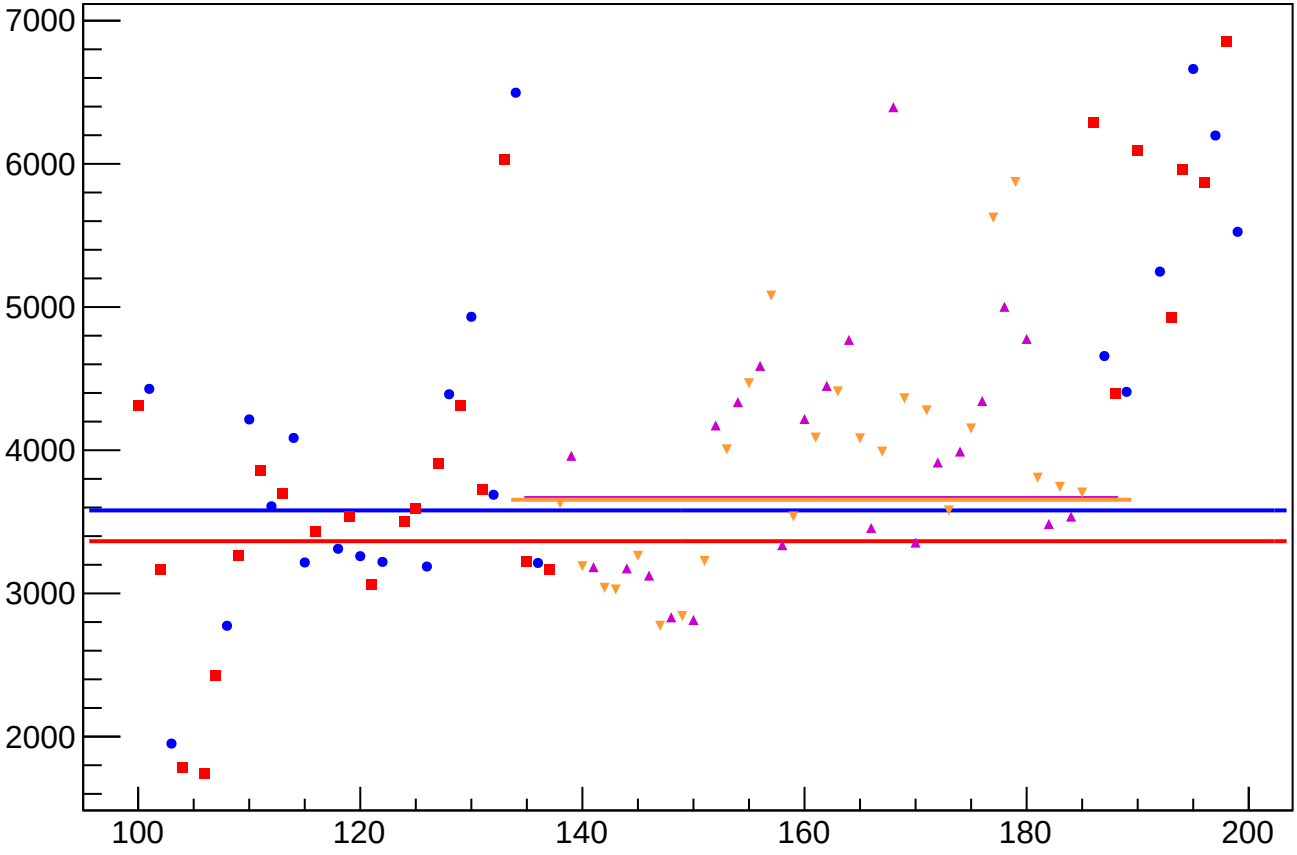
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 82.574+/-677.029 χ^2/NDF: 51.0/46

All: -194.490+/-475.306 χ^2/NDF: 92.7/95

- sign -463.762+/-667.441 χ^2/NDF: 41.4/48

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3579.731+/-0.791 χ^2/NDF: 2443146.1/21

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3364.728+/-0.730 χ^2/NDF: 3258034.8/25

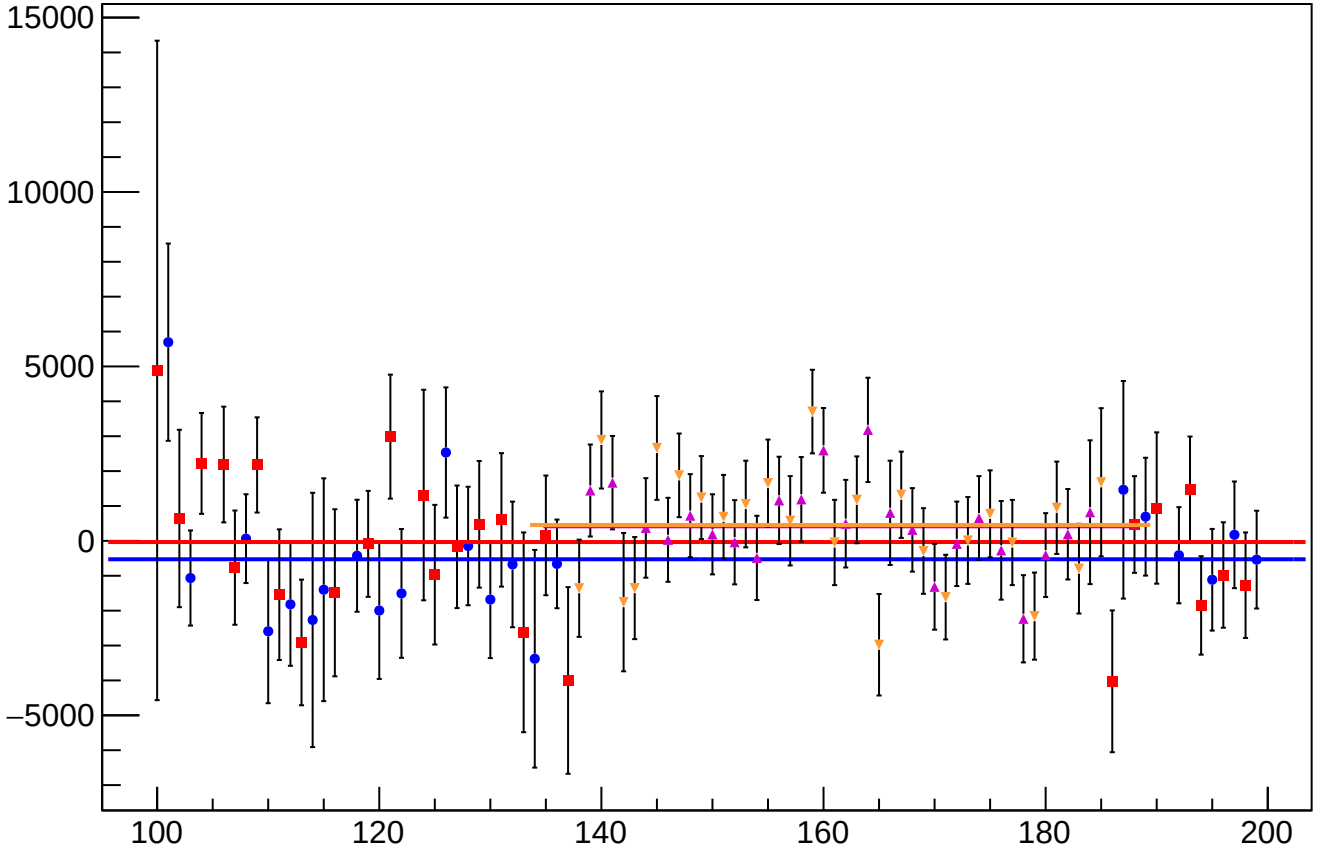
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3626.928+/-0.479 χ^2/NDF: 3760530.7/46

All: 3582.838+/-0.336 χ^2/NDF: 8478244.0/95

- sign 3539.987+/-0.472 χ^2/NDF: 4700987.7/48

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -527.419+/-368.624 χ^2/NDF: 13.3/21

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -32.947+/-351.666 χ^2/NDF: 25.4/25

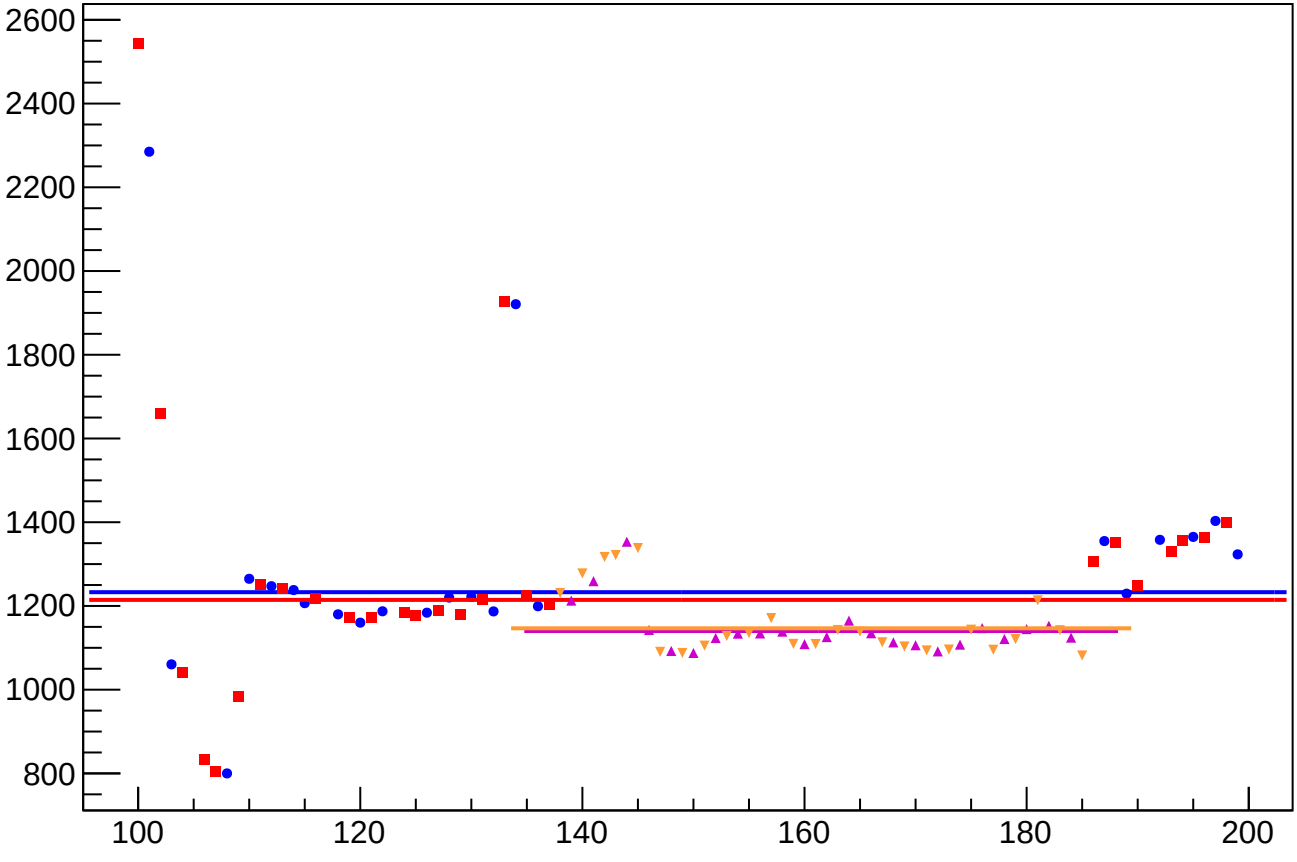
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 127.416+/-213.015 χ^2/NDF: 54.2/46

All: 190.340+/-150.421 χ^2/NDF: 98.1/95

- sign 252.926+/-212.442 χ^2/NDF: 43.8/48

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1232.886+/-0.261 χ^2/NDF: 717761.5/21

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1214.479+/-0.249 χ^2/NDF: 655369.0/25

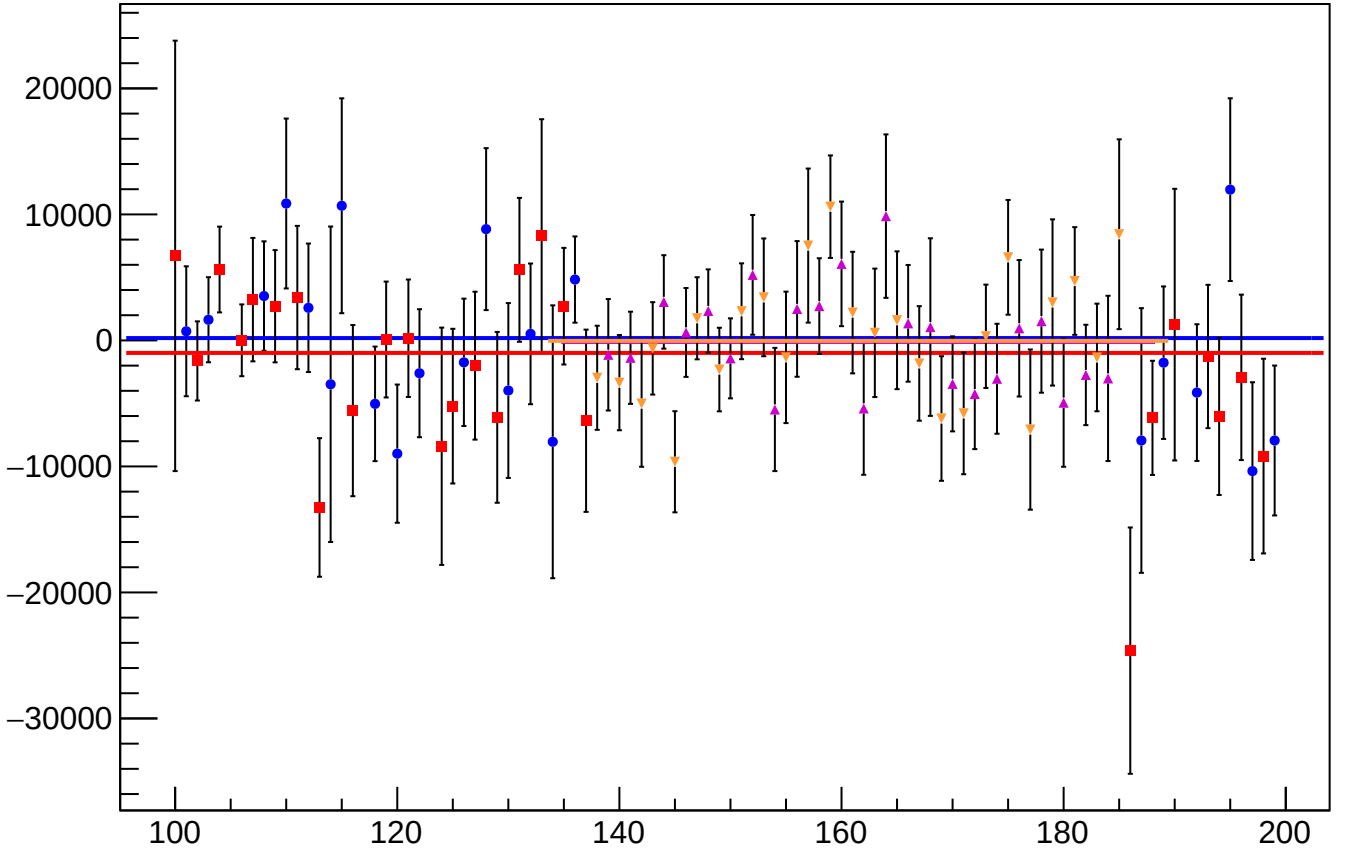
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1175.423+/-0.151 χ^2/NDF: 931745.1/46

All: 1171.348+/-0.106 χ^2/NDF: 1730045.4/95

- sign 1167.297+/-0.150 χ^2/NDF: 796841.2/48

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 186.132+/-1172.600 χ^2/NDF: 22.4/21

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -992.289+/-1027.864 χ^2/NDF: 26.0/25

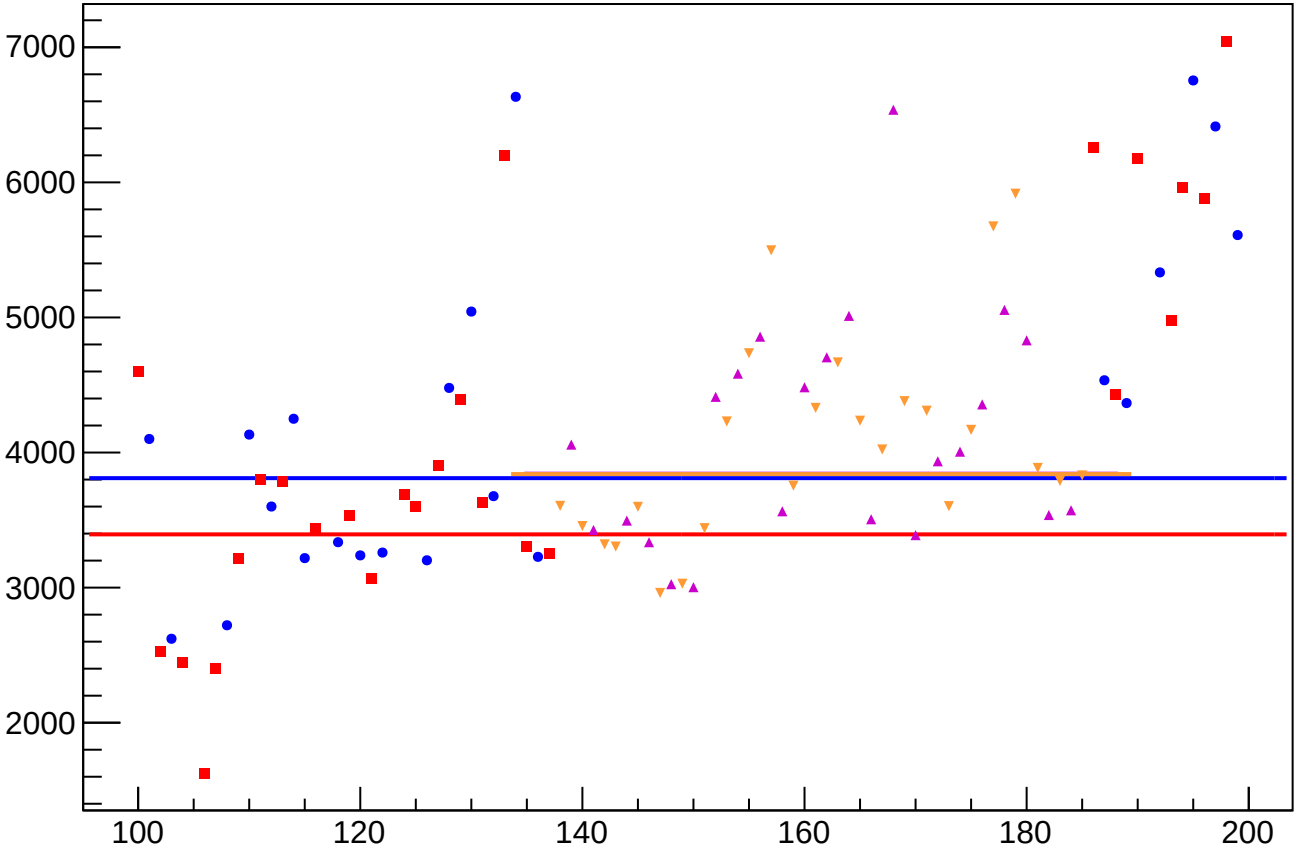
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 46.904+/-709.619 χ^2/NDF: 50.1/46

All: -240.109+/-492.369 χ^2/NDF: 90.6/95

- sign -506.564+/-683.733 χ^2/NDF: 40.2/48

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3810.428+/-0.829 χ^2/NDF: 1745759.3/21

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3394.160+/-0.727 χ^2/NDF: 3098028.3/25

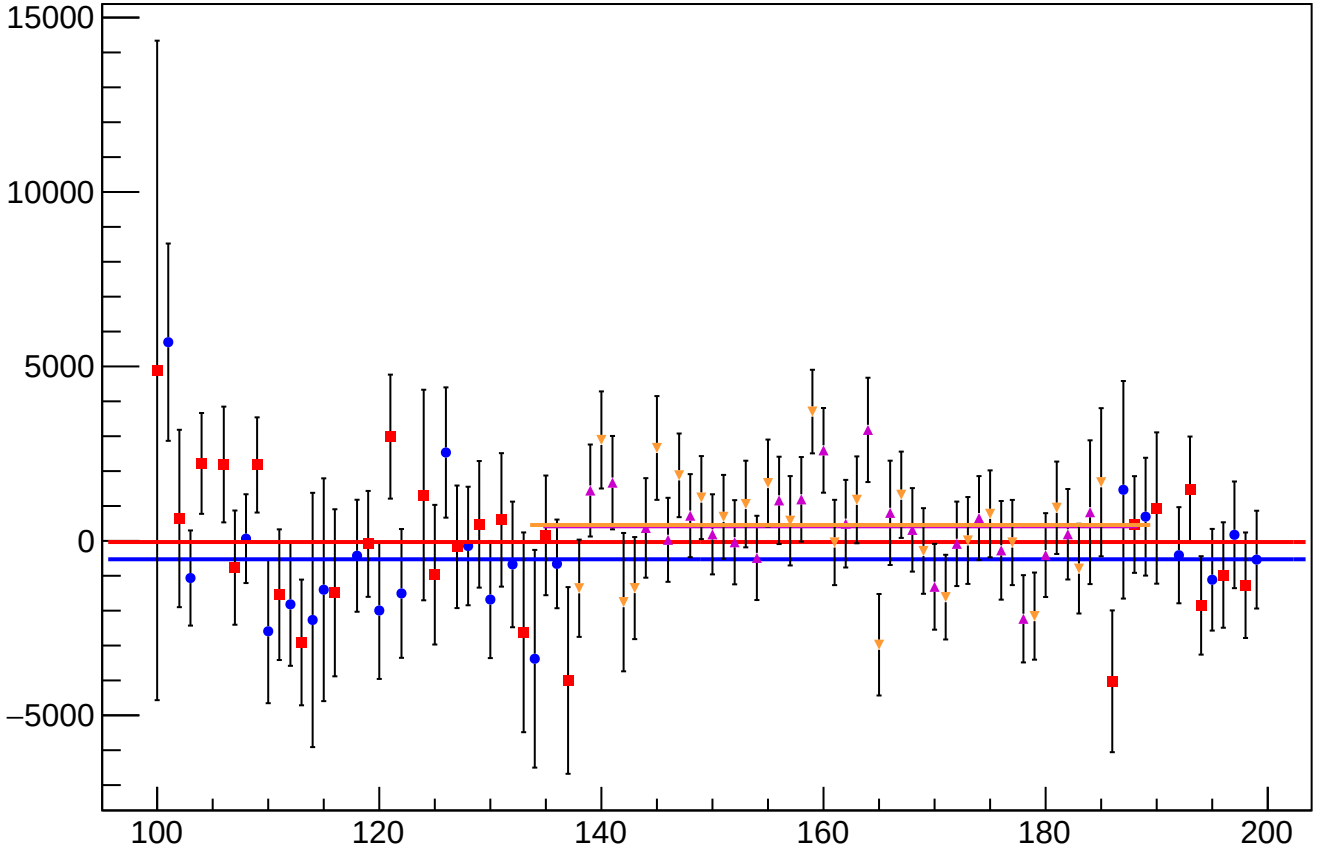
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3829.696+/-0.502 χ^2/NDF: 2865278.0/46

All: 3733.698+/-0.348 χ^2/NDF: 7442873.3/95

- sign 3644.576+/-0.483 χ^2/NDF: 4507013.2/48

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -527.423+/-368.624 χ^2/NDF: 13.3/21

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -32.944+/-351.666 χ^2/NDF: 25.4/25

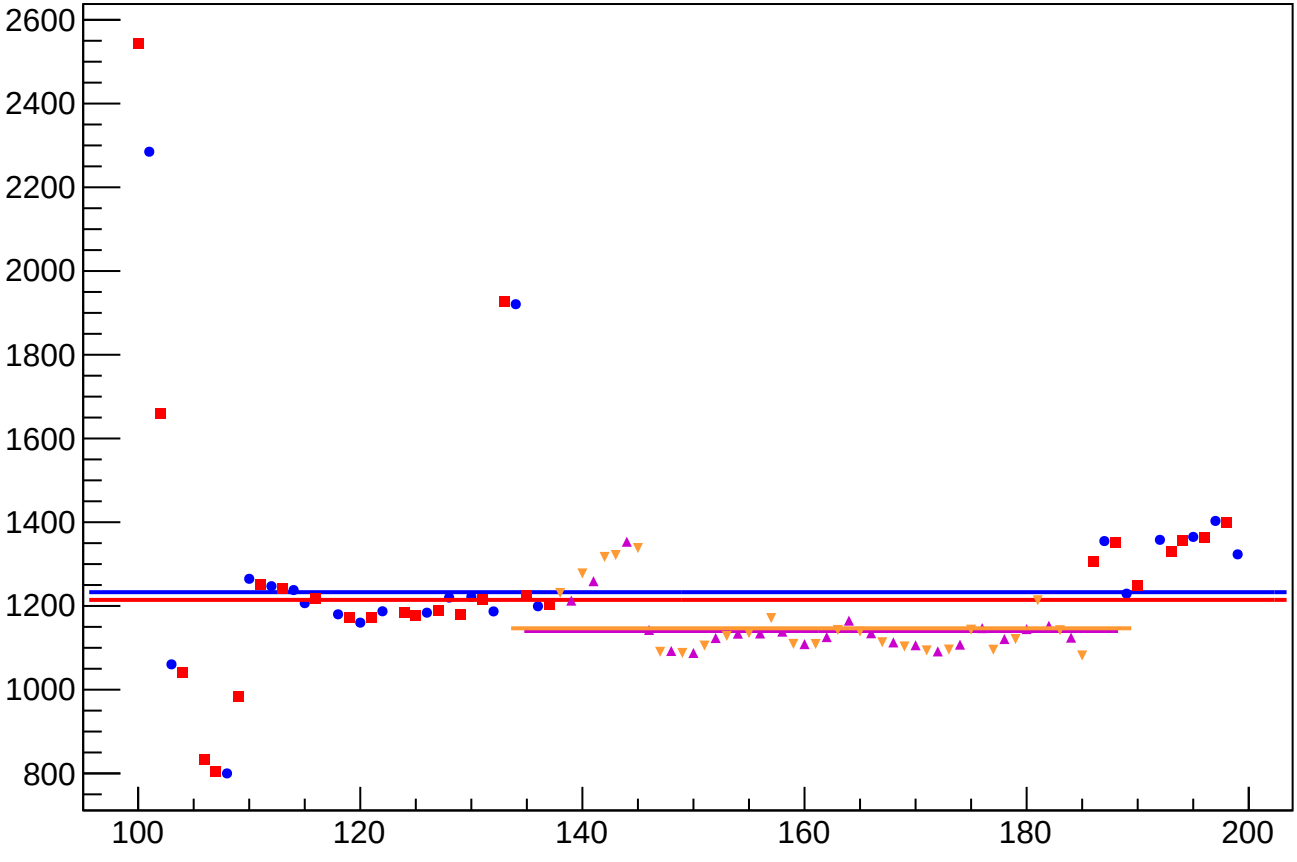
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 127.418+/-213.015 χ^2/NDF: 54.2/46

All: 190.341+/-150.421 χ^2/NDF: 98.1/95

- sign 252.926+/-212.442 χ^2/NDF: 43.8/48

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1232.886+/-0.261 χ^2/NDF: 717762.0/21

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

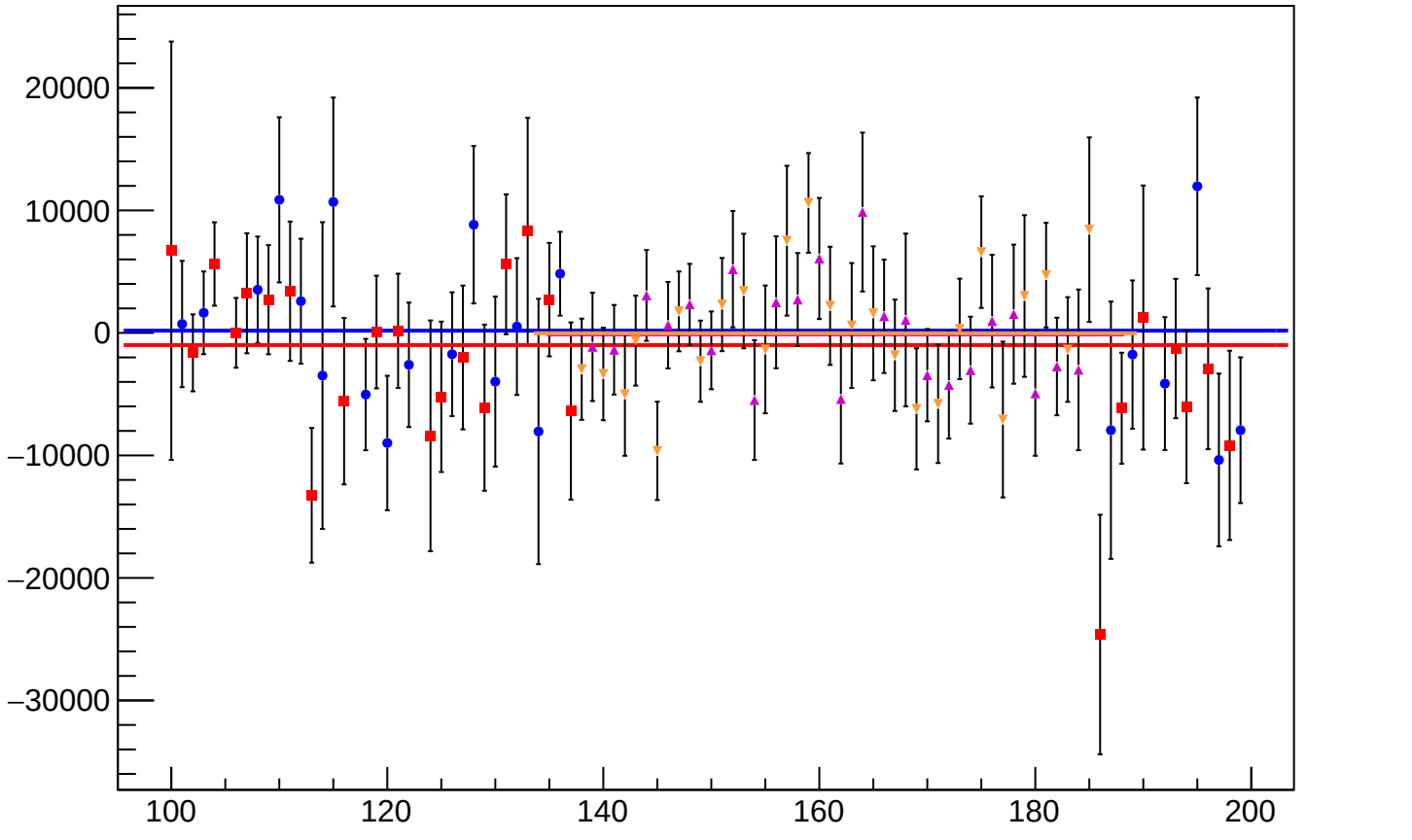
Right Out: 1214.479+/-0.249 χ^2/NDF: 655368.5/25

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1175.423+/-0.151 χ^2/NDF: 931744.4/46

All: 1171.349+/-0.106 χ^2/NDF: 1730043.1/95

- sign 1167.297+/-0.150 χ^2/NDF: 796839.6/48



Right In: 186.120+/-1172.599 χ^2/NDF: 22.4/21

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

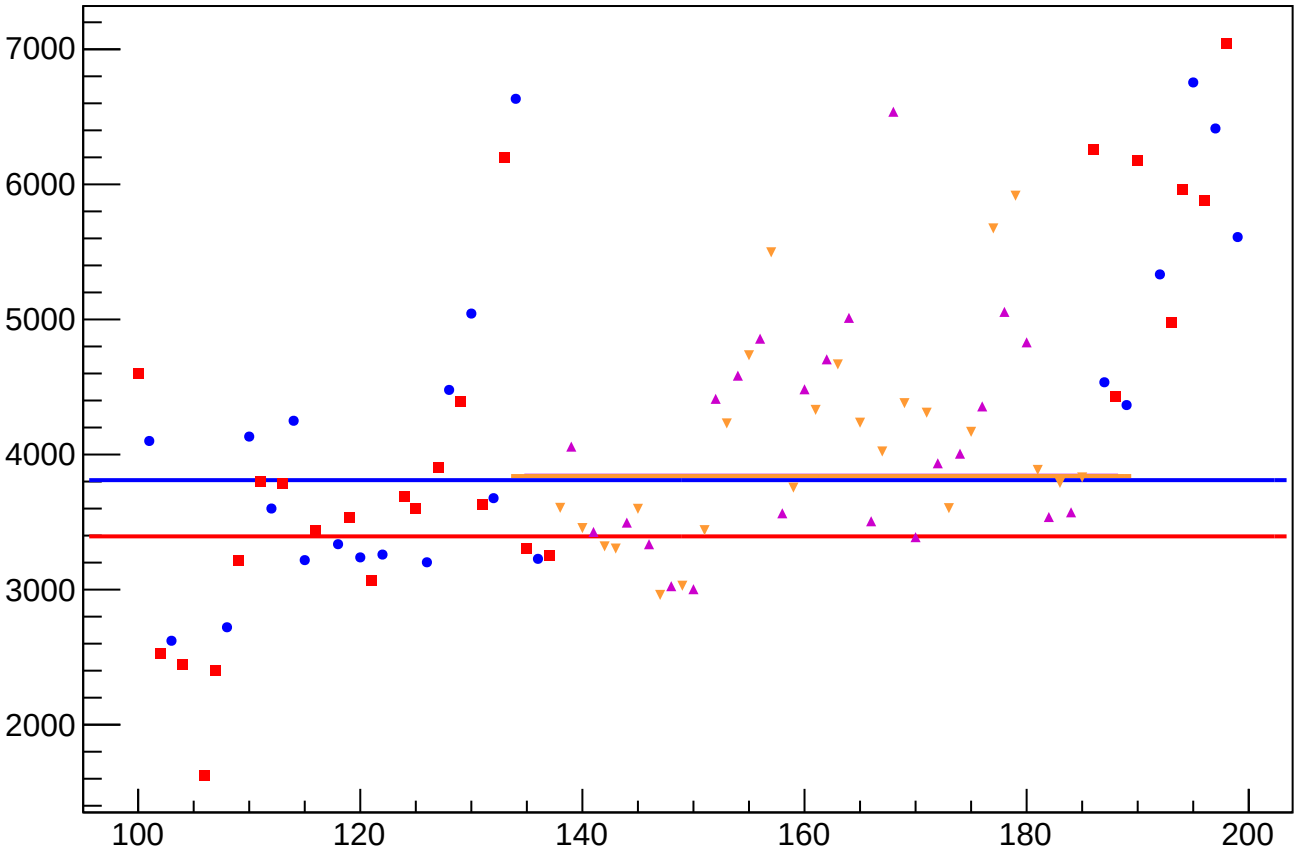
Right Out: -992.280+/-1027.863 χ^2/NDF: 26.0/25

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 46.900+/-709.619 χ^2/NDF: 50.1/46

All: -240.110+/-492.370 χ^2/NDF: 90.6/95

- sign -506.563+/-683.734 χ^2/NDF: 40.2/48



Right In: 3810.425+/-0.829 χ^2/NDF: 1745763.9/21

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3394.155+/-0.727 χ^2/NDF: 3098037.8/25

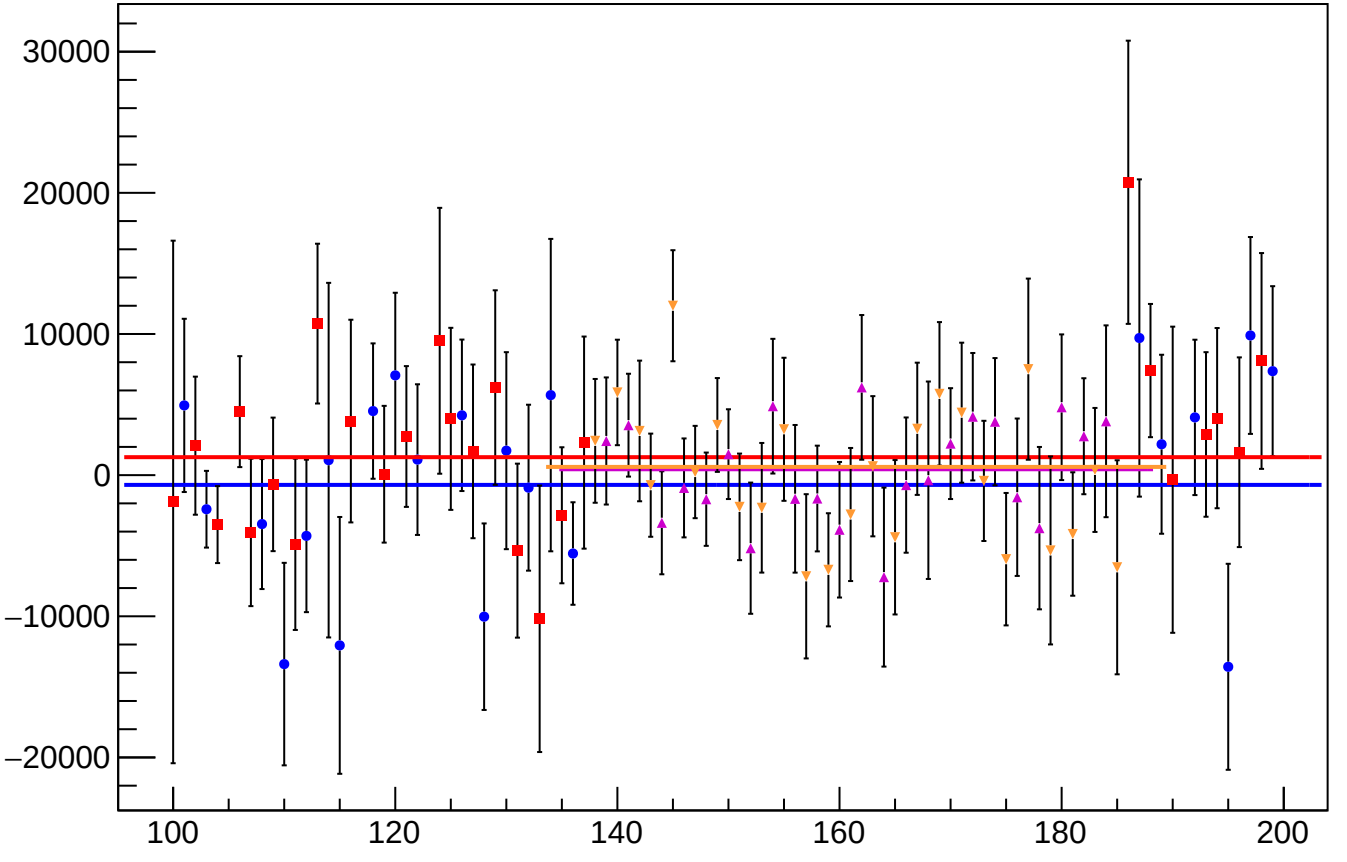
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3829.698+/-0.502 χ^2/NDF: 2865284.7/46

All: 3733.699+/-0.348 χ^2/NDF: 7442904.4/95

- sign 3644.576+/-0.483 χ^2/NDF: 4507035.9/48

asym_usr_atr2_dd_mean vs Slug



Right In: -690.882+/-1184.403 χ^2/NDF: 23.9/21

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1272.886+/-1101.844 χ^2/NDF: 20.5/25

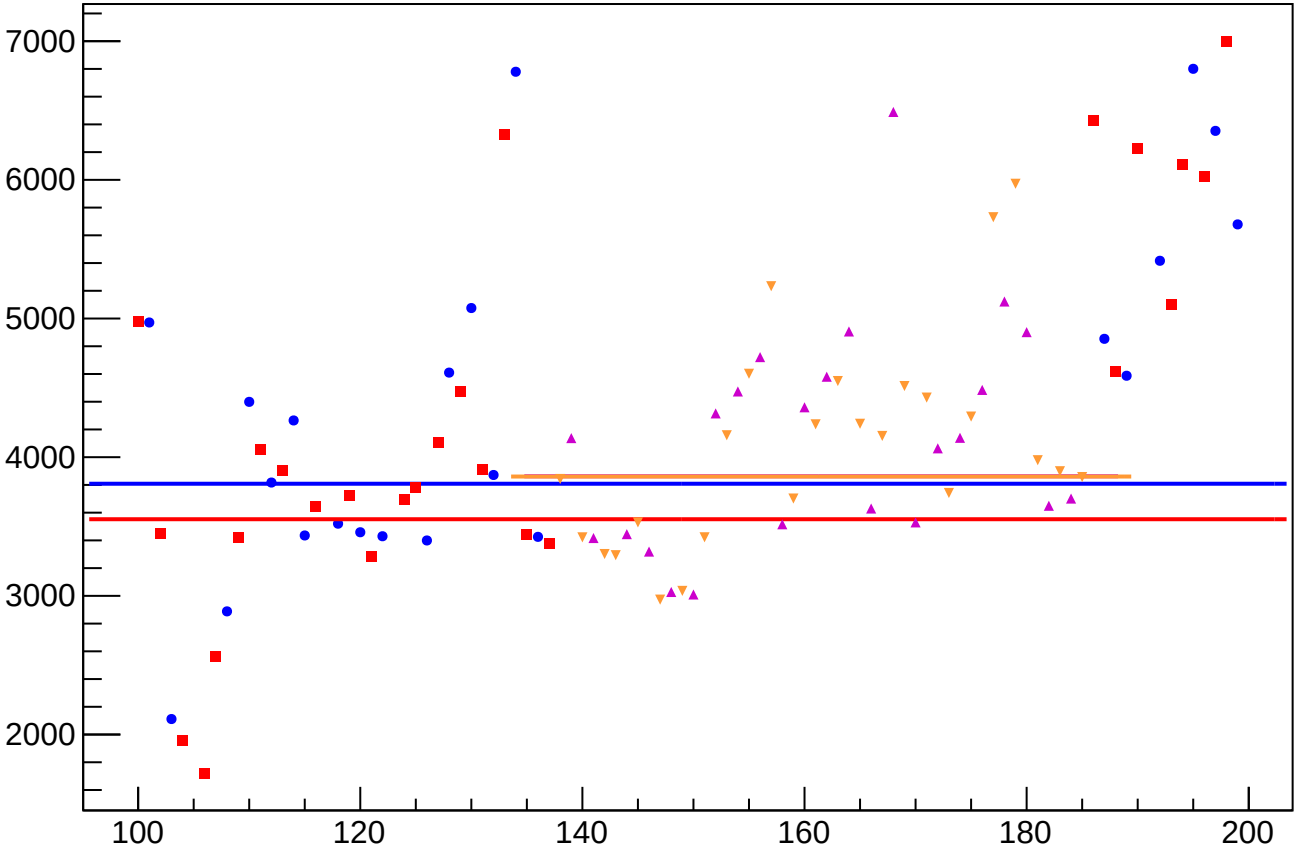
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

\+ sign 120.227+/-714.006 χ^2/NDF: 52.1/46

All: 447.891+/-501.933 χ^2/NDF: 85.9/95

\- sign 768.019+/-705.747 χ^2/NDF: 33.3/48

asym_usr_atr2_dd_rms vs Slug



Right In: 3808.557+/-0.837 χ^2/NDF: 2262532.0/21

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

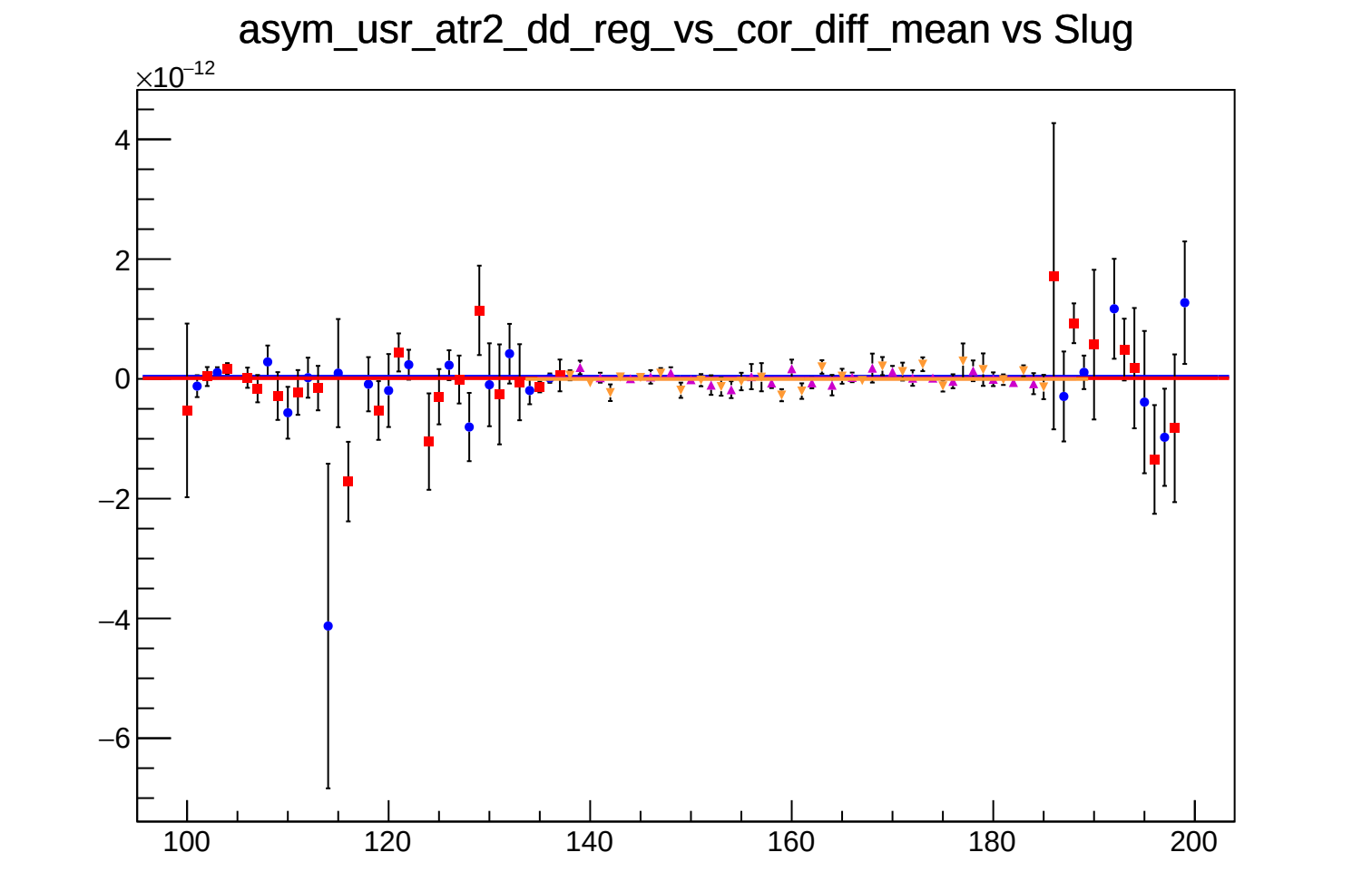
Right Out: 3552.634+/-0.769 χ^2/NDF: 3153975.7/25

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3841.646+/-0.505 χ^2/NDF: 3362276.7/46

All: 3786.494+/-0.354 χ^2/NDF: 7776590.0/95

- sign 3733.218+/-0.496 χ^2/NDF: 4390853.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

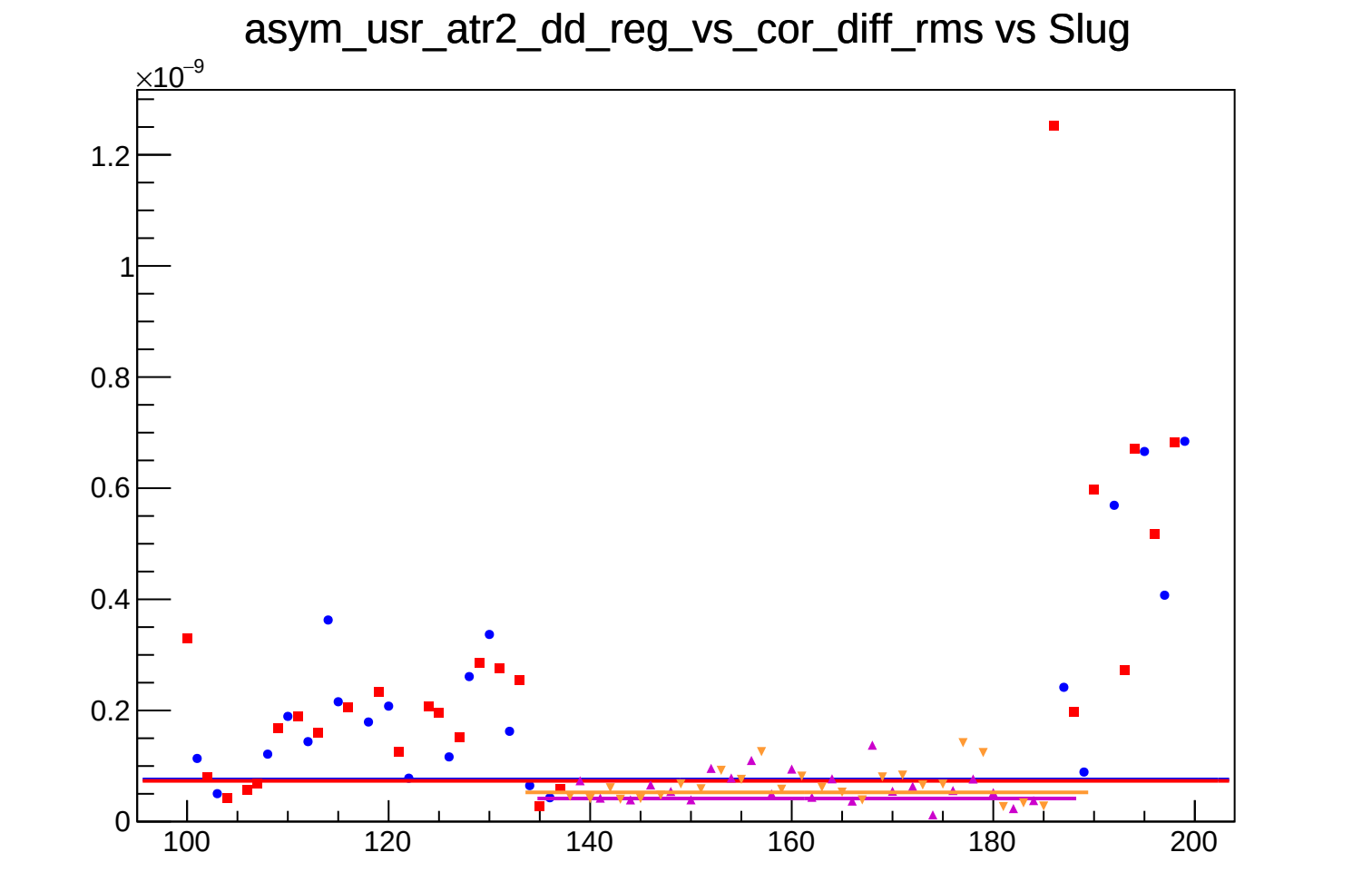
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/25

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/46

All: 0.000+/-0.000 χ^2/NDF: 98.7/95

- sign 0.000+/-0.000 χ^2/NDF: 46.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 4100262.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5359381.0/25

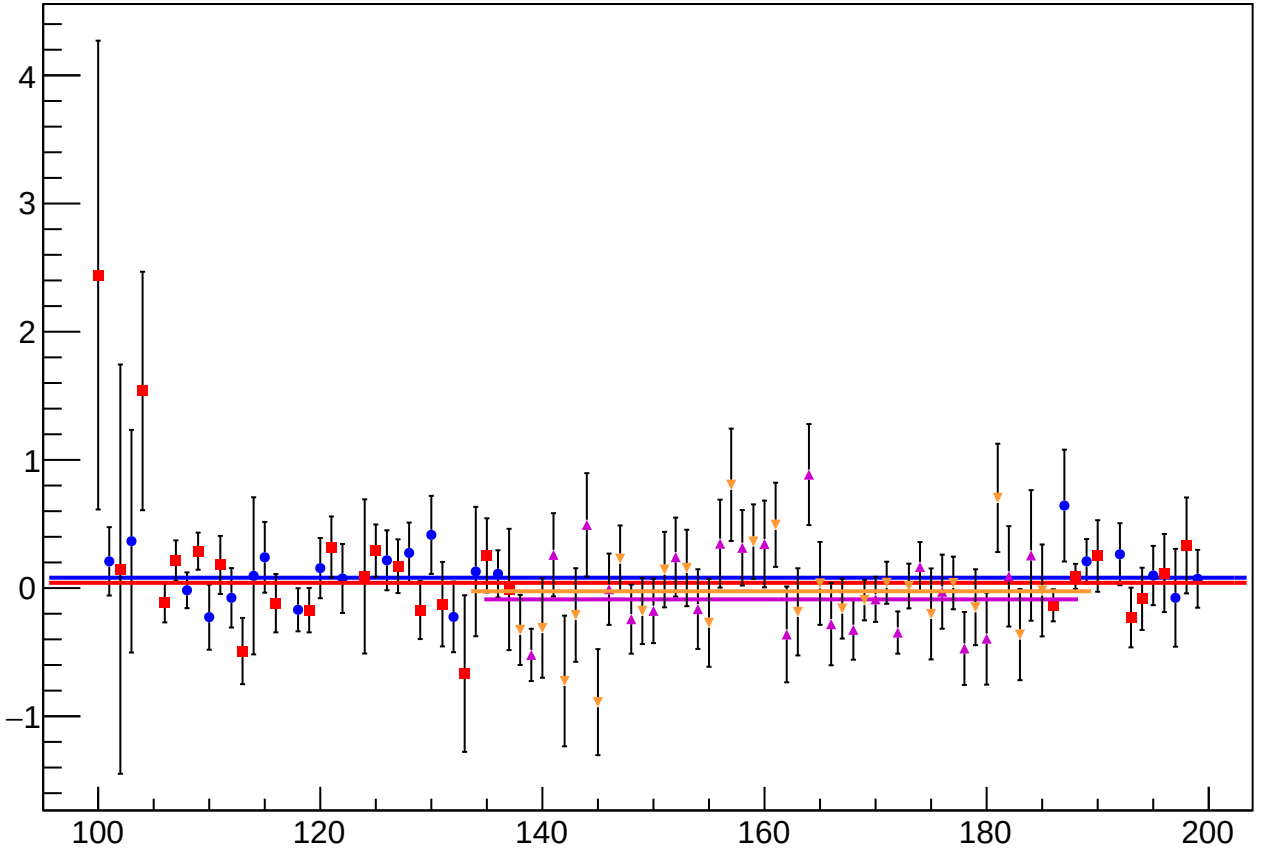
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6105284.3/46

All: 0.000+/-0.000 χ^2/NDF: 15449033.3/95

- 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+/-0.051 χ^2/NDF: 11.8/21

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.041+/-0.042 χ^2/NDF: 27.5/25

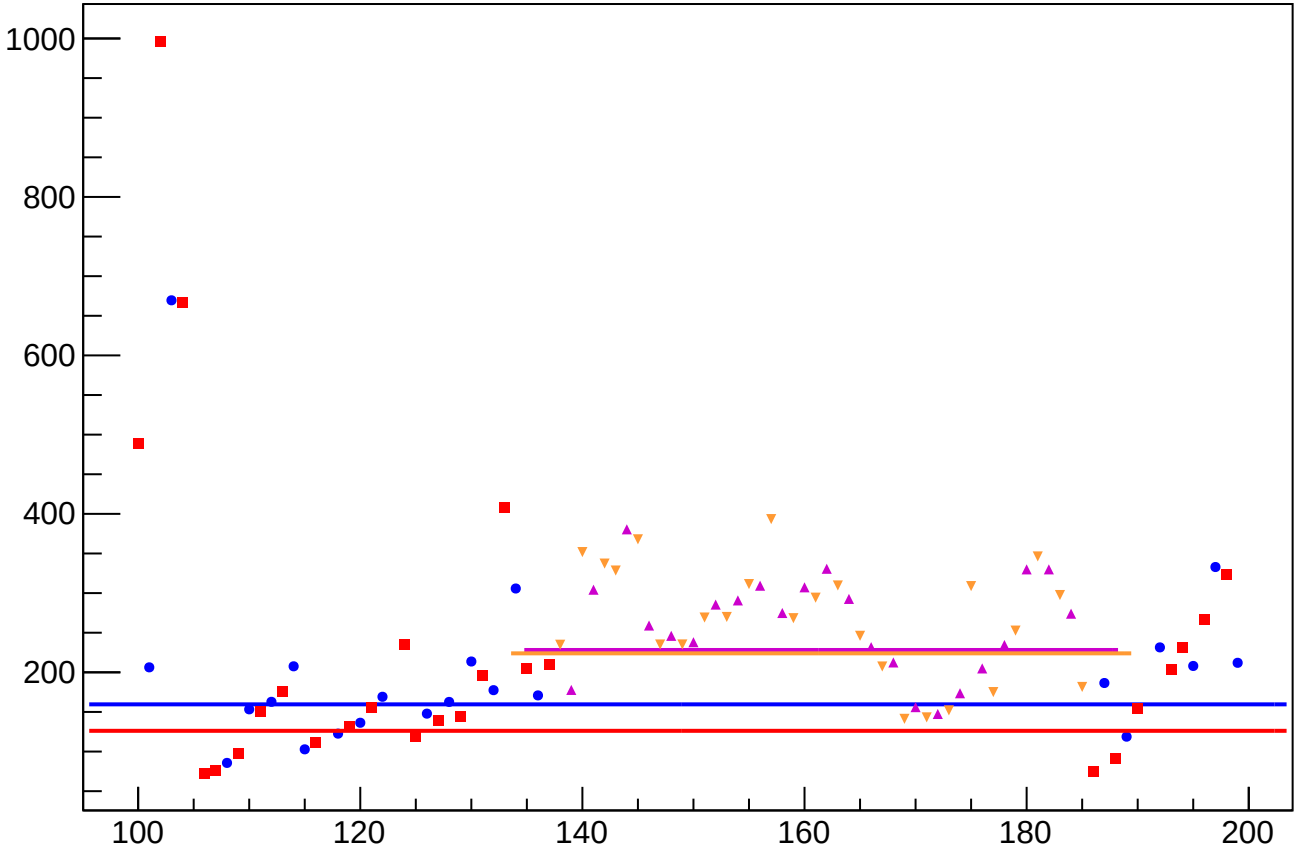
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.031+/-0.037 χ^2/NDF: 37.9/46

All: 0.012+/-0.025 χ^2/NDF: 99.3/95

- sign -0.005+/-0.034 χ^2/NDF: 60.9/48

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 159.580+/-0.036 χ^2/NDF: 2685194.3/21

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 126.171+/-0.030 χ^2/NDF: 5041902.0/25

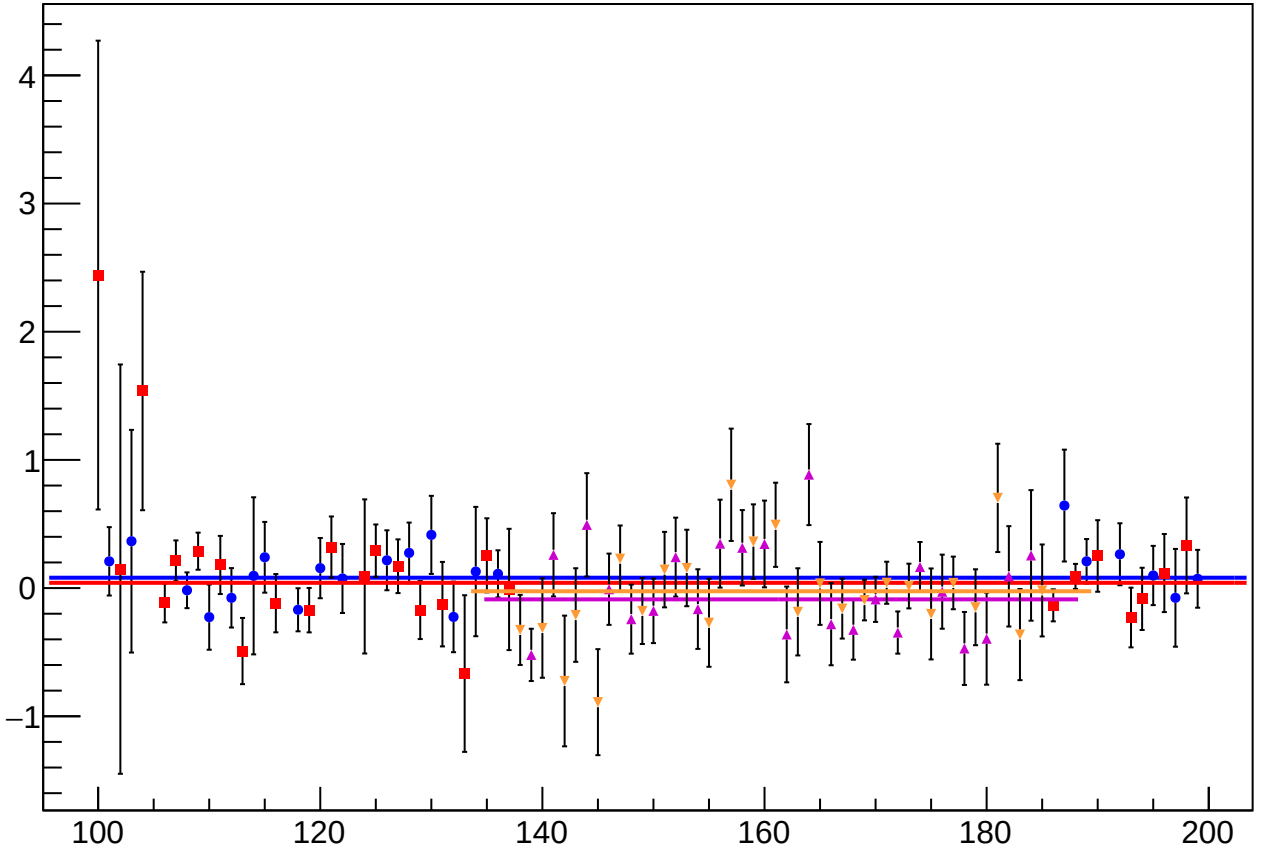
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.831+/-0.026 χ^2/NDF: 7596759.8/46

All: 174.591+/-0.018 χ^2/NDF: 19920209.4/95

- sign 162.245+/-0.024 χ^2/NDF: 11723352.7/48

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.041+/-0.042 χ^2/NDF: 27.5/25

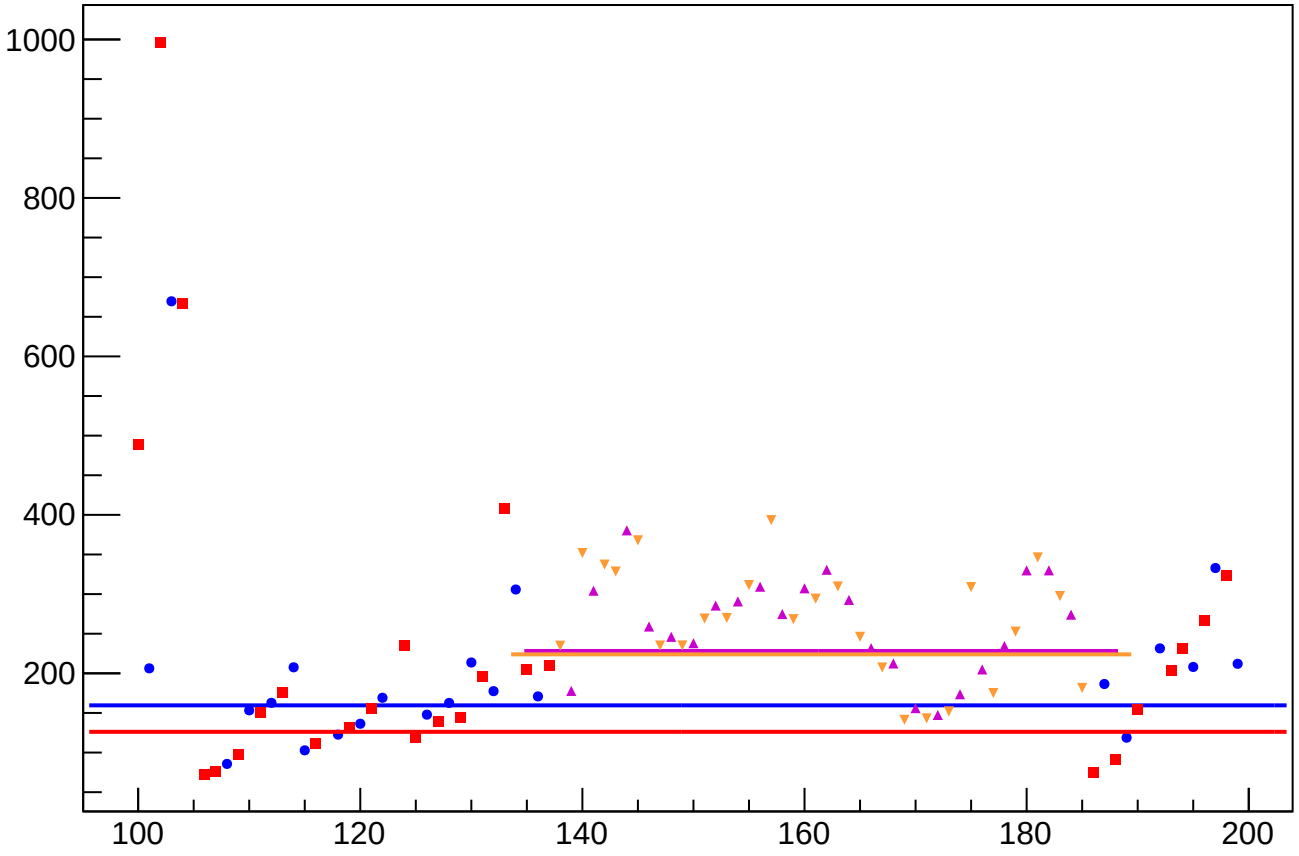
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.031+/-0.037 χ^2/NDF: 37.9/46

All: 0.012+/-0.025 χ^2/NDF: 99.3/95

- sign -0.005+/-0.034 χ^2/NDF: 60.9/48

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 159.580+/-0.036 χ^2/NDF: 2685194.3/21

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

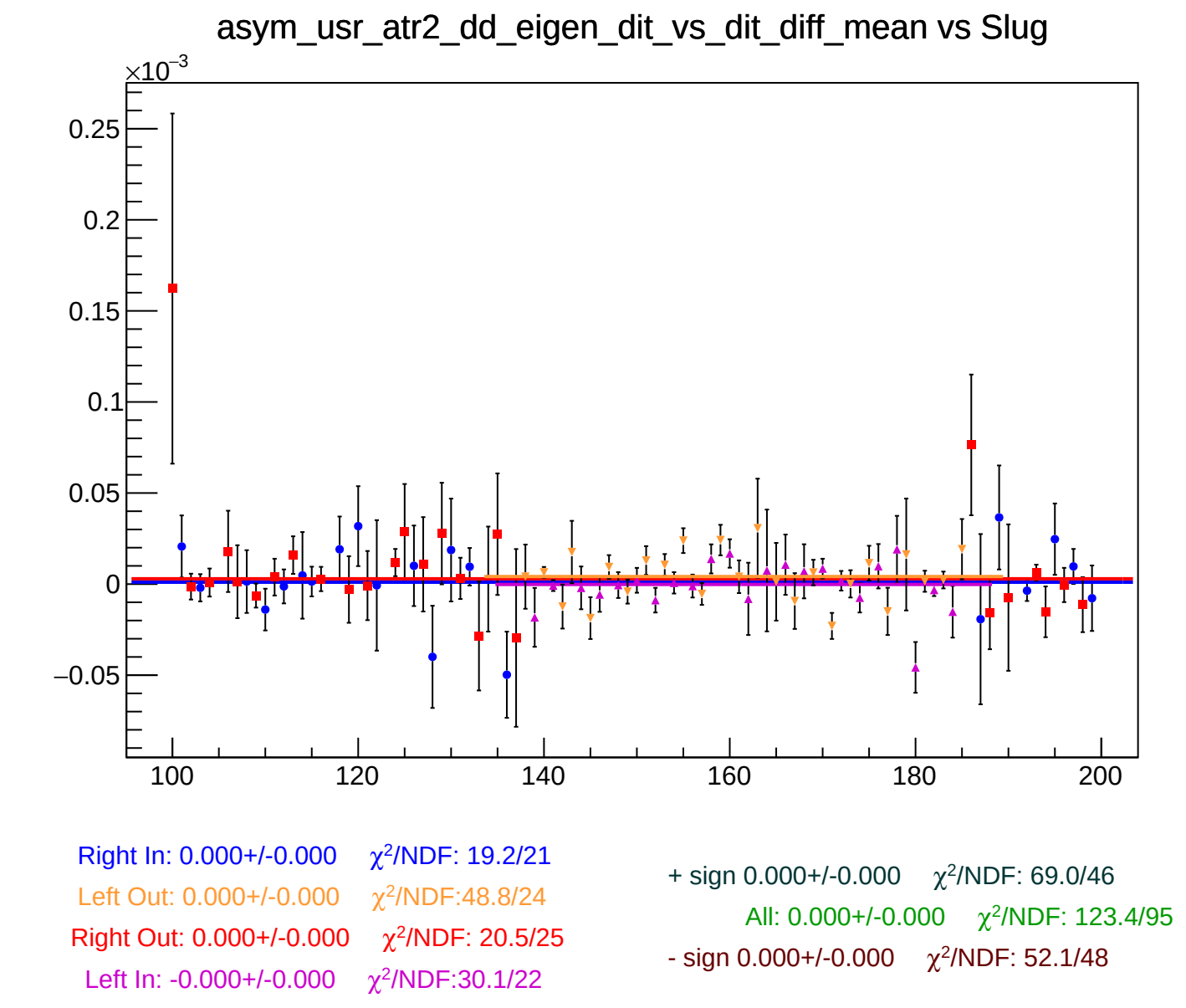
Right Out: 126.171+/-0.030 χ^2/NDF: 5041902.0/25

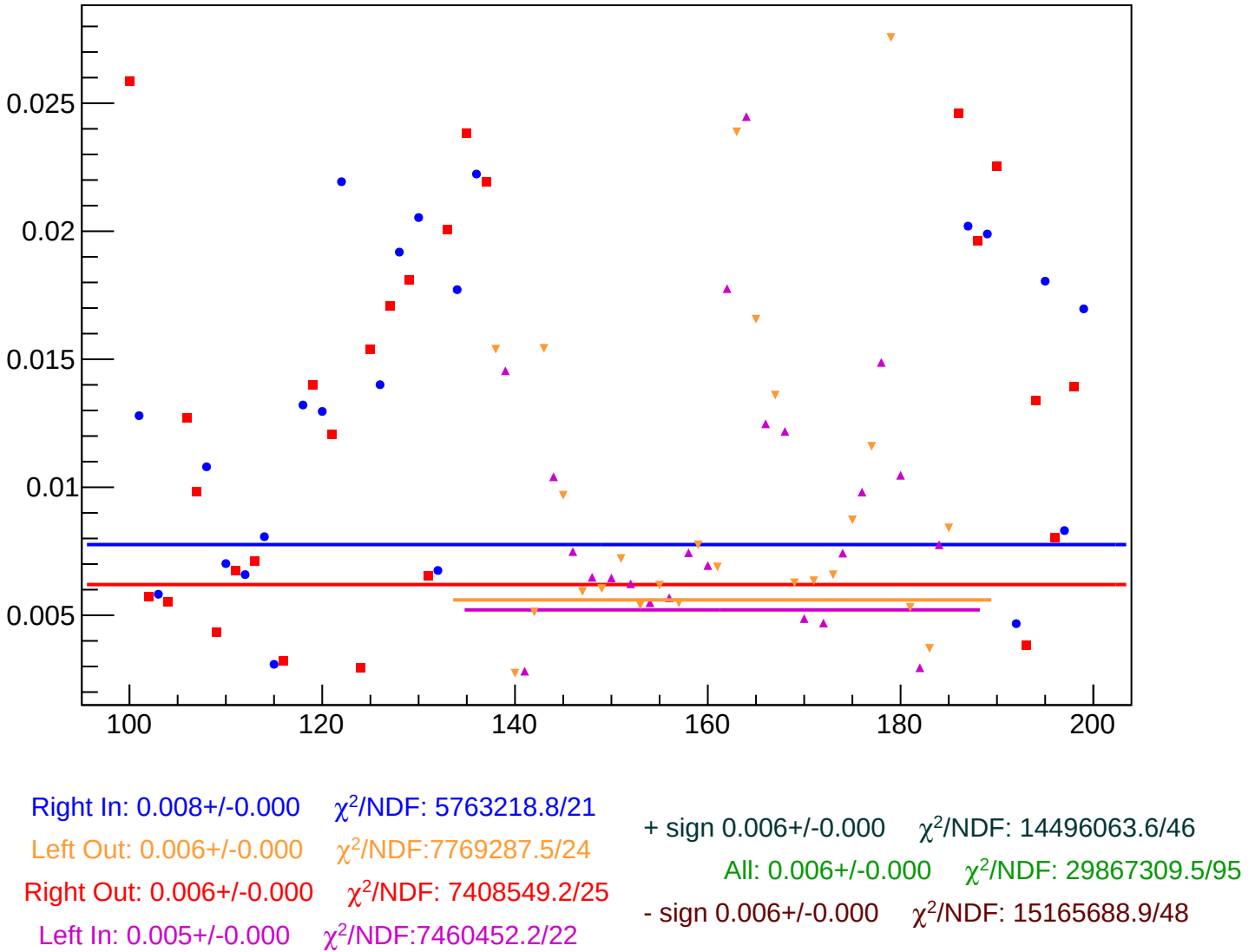
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

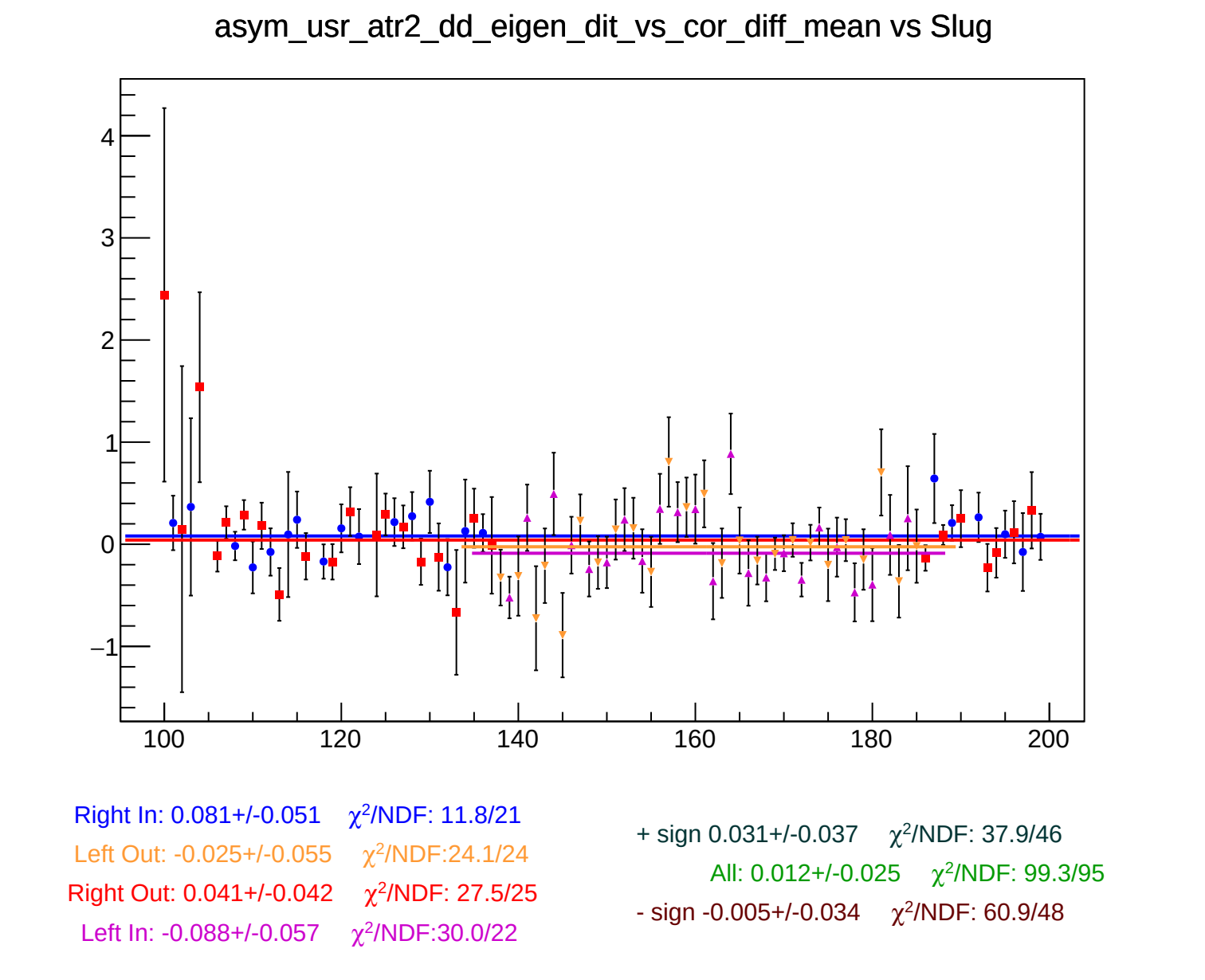
+ sign 189.831+/-0.026 χ^2/NDF: 7596759.8/46

All: 174.591+/-0.018 χ^2/NDF: 19920209.4/95

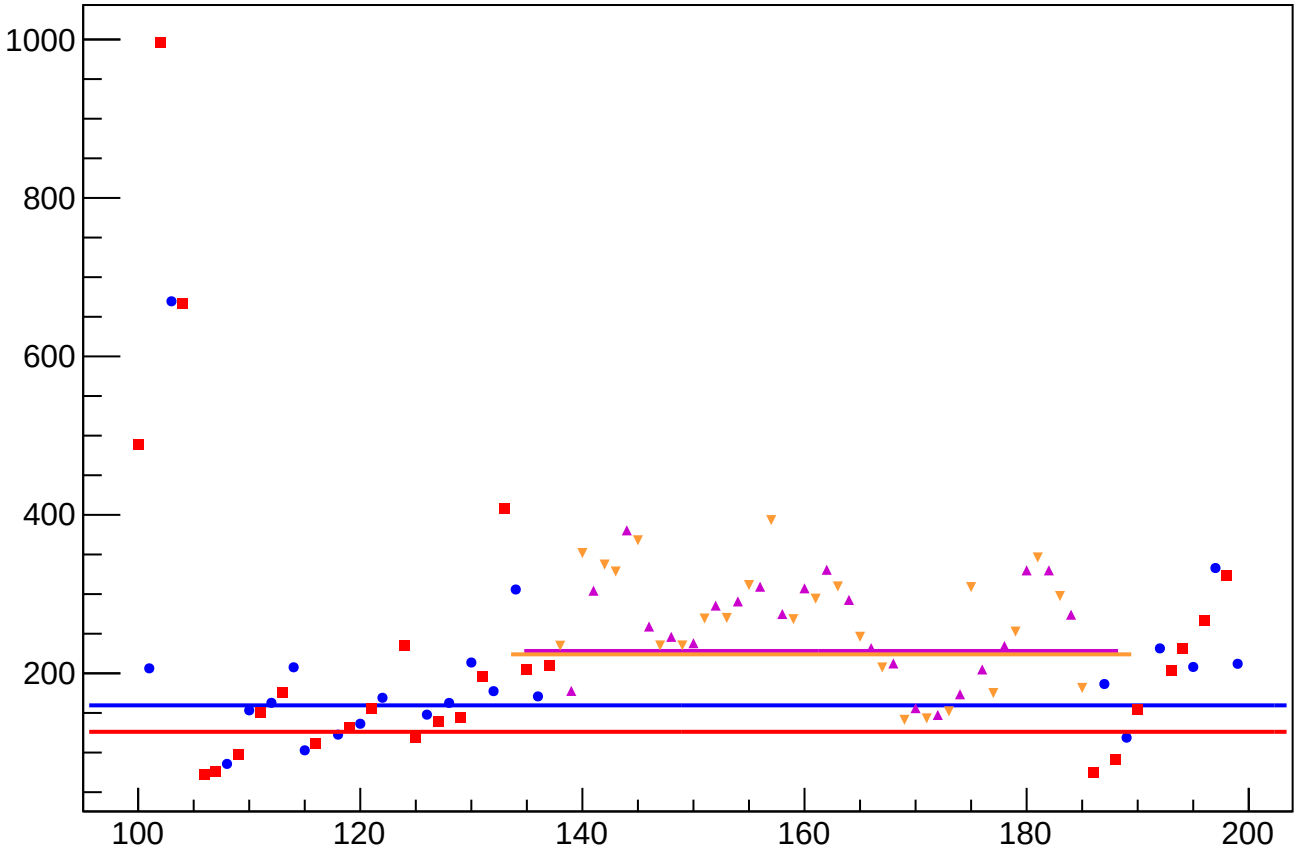
- sign 162.245+/-0.024 χ^2/NDF: 11723352.7/48


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.2/21
Left Out: 0.000+/-0.000 χ²/NDF:48.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.5/25
Left In: -0.000+/-0.000 χ²/NDF:30.1/22
+ sign 0.000+/-0.000 χ²/NDF: 69.0/46
All: 0.000+/-0.000 χ²/NDF: 123.4/95
- sign 0.000+/-0.000 χ²/NDF: 52.1/48


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.008+/-0.000 χ²/NDF: 5763218.8/21
Left Out: 0.006+/-0.000 χ²/NDF:7769287.5/24
Right Out: 0.006+/-0.000 χ²/NDF: 7408549.2/25
Left In: 0.005+/-0.000 χ²/NDF:7460452.2/22
+ sign 0.006+/-0.000 χ²/NDF: 14496063.6/46
All: 0.006+/-0.000 χ²/NDF: 29867309.5/95
- sign 0.006+/-0.000 χ²/NDF: 15165688.9/48


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.081+/-0.051 χ²/NDF: 11.8/21
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 0.031+/-0.037 χ²/NDF: 37.9/46
All: 0.012+/-0.025 χ²/NDF: 99.3/95
- sign -0.005+/-0.034 χ²/NDF: 60.9/48

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 159.576+/-0.036 χ^2/NDF: 2685365.5/21

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

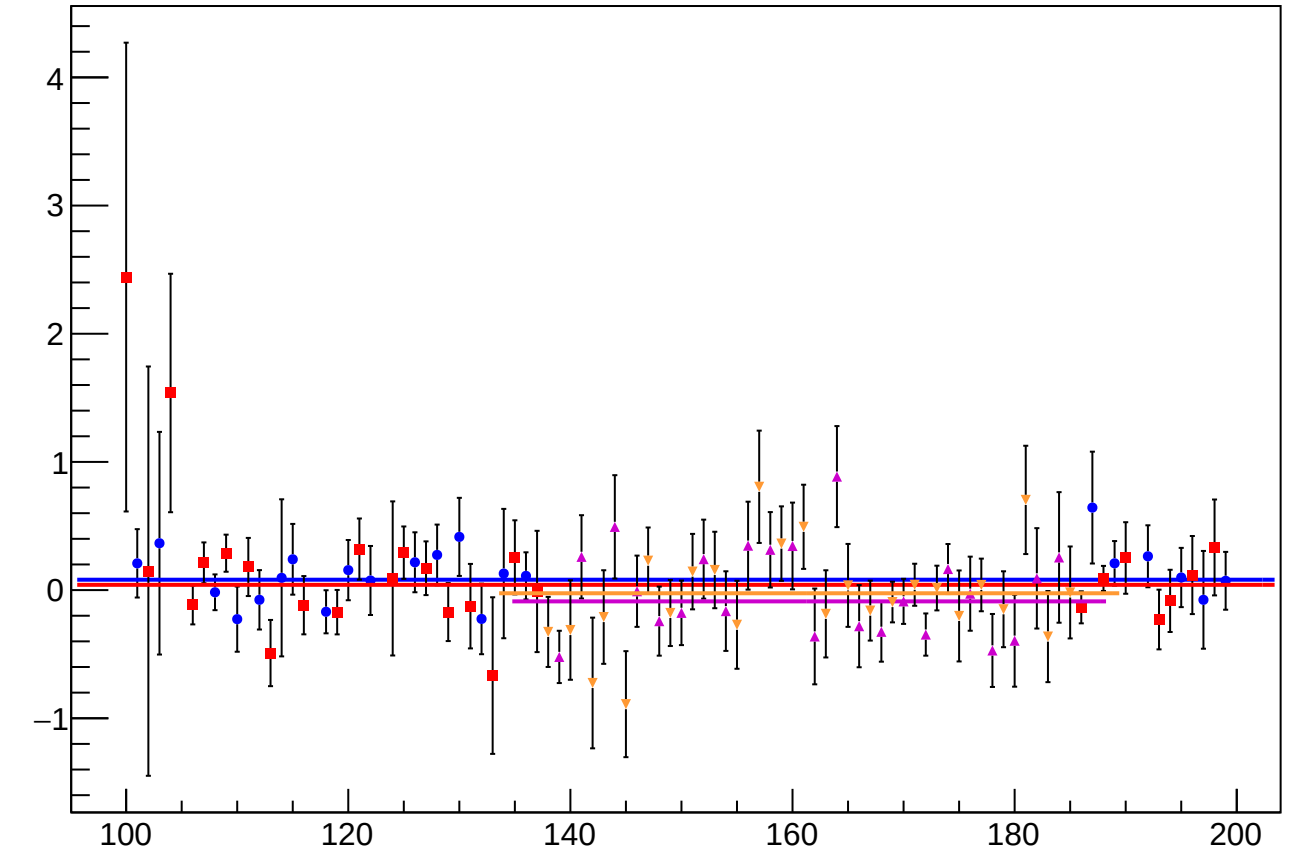
Right Out: 126.176+/-0.030 χ^2/NDF: 5041481.1/25

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.829+/-0.026 χ^2/NDF: 7597259.9/46

All: 174.593+/-0.018 χ^2/NDF: 19919647.3/95

- sign 162.250+/-0.024 χ^2/NDF: 11722583.2/48



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

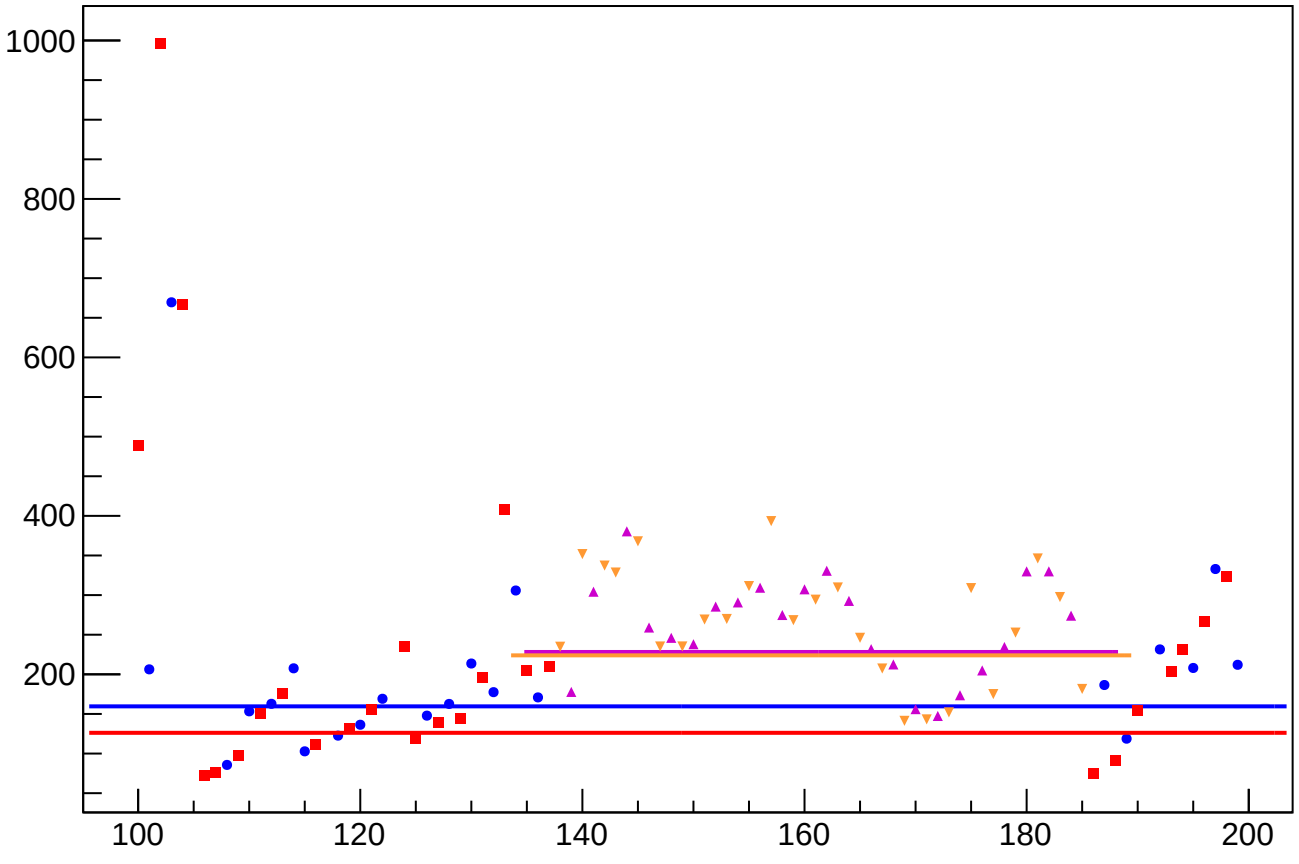
Right Out: 0.041+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.031+/-0.037 χ^2/NDF: 37.9/46

All: 0.012+/-0.025 χ^2/NDF: 99.3/95

- sign -0.005+/-0.034 χ^2/NDF: 60.9/48



Right In: 159.576+/-0.036 χ^2/NDF: 2685365.5/21

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

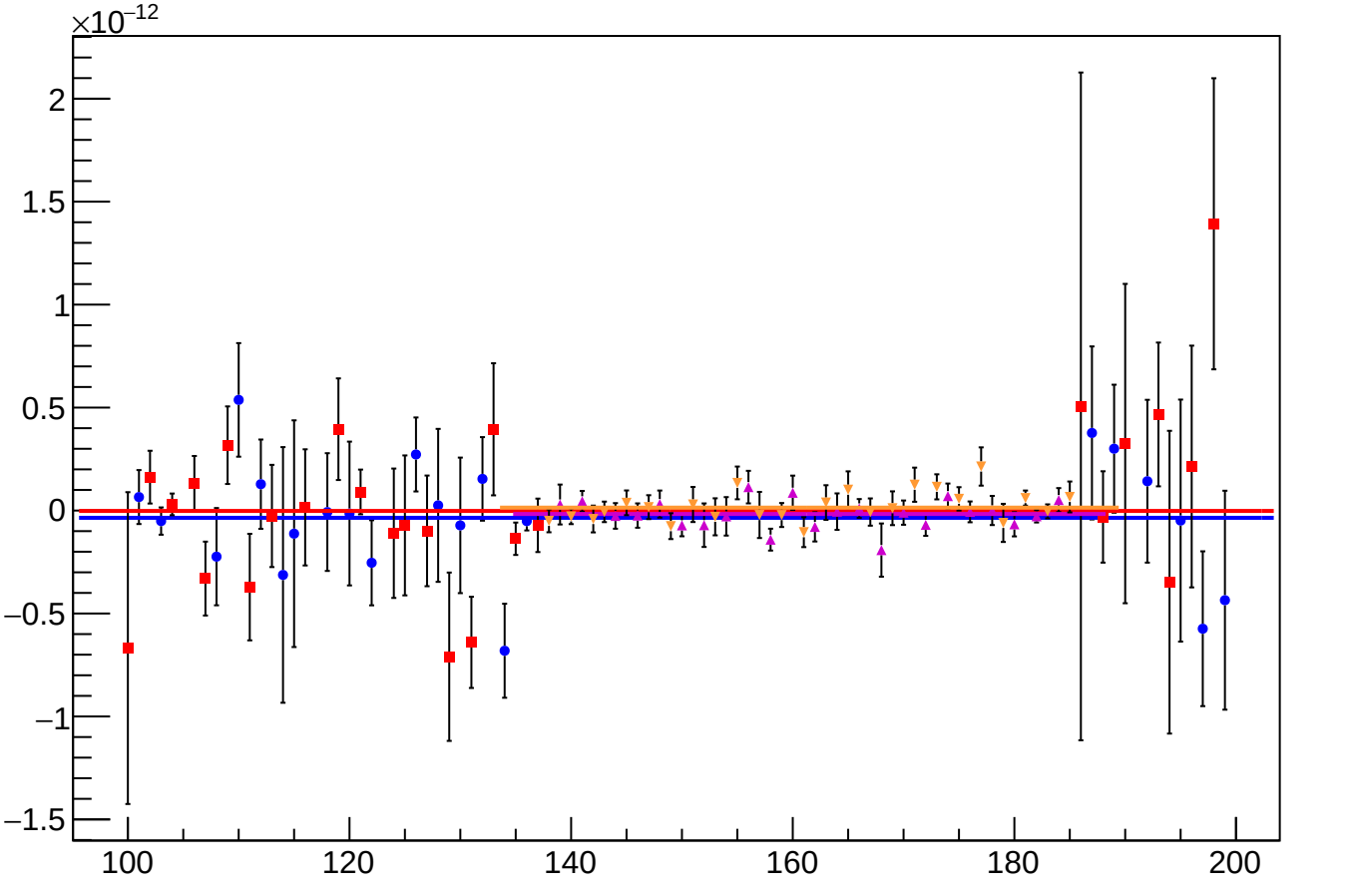
Right Out: 126.176+/-0.030 χ^2/NDF: 5041481.1/25

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.829+/-0.026 χ^2/NDF: 7597259.9/46

All: 174.593+/-0.018 χ^2/NDF: 19919647.3/95

- sign 162.250+/-0.024 χ^2/NDF: 11722583.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

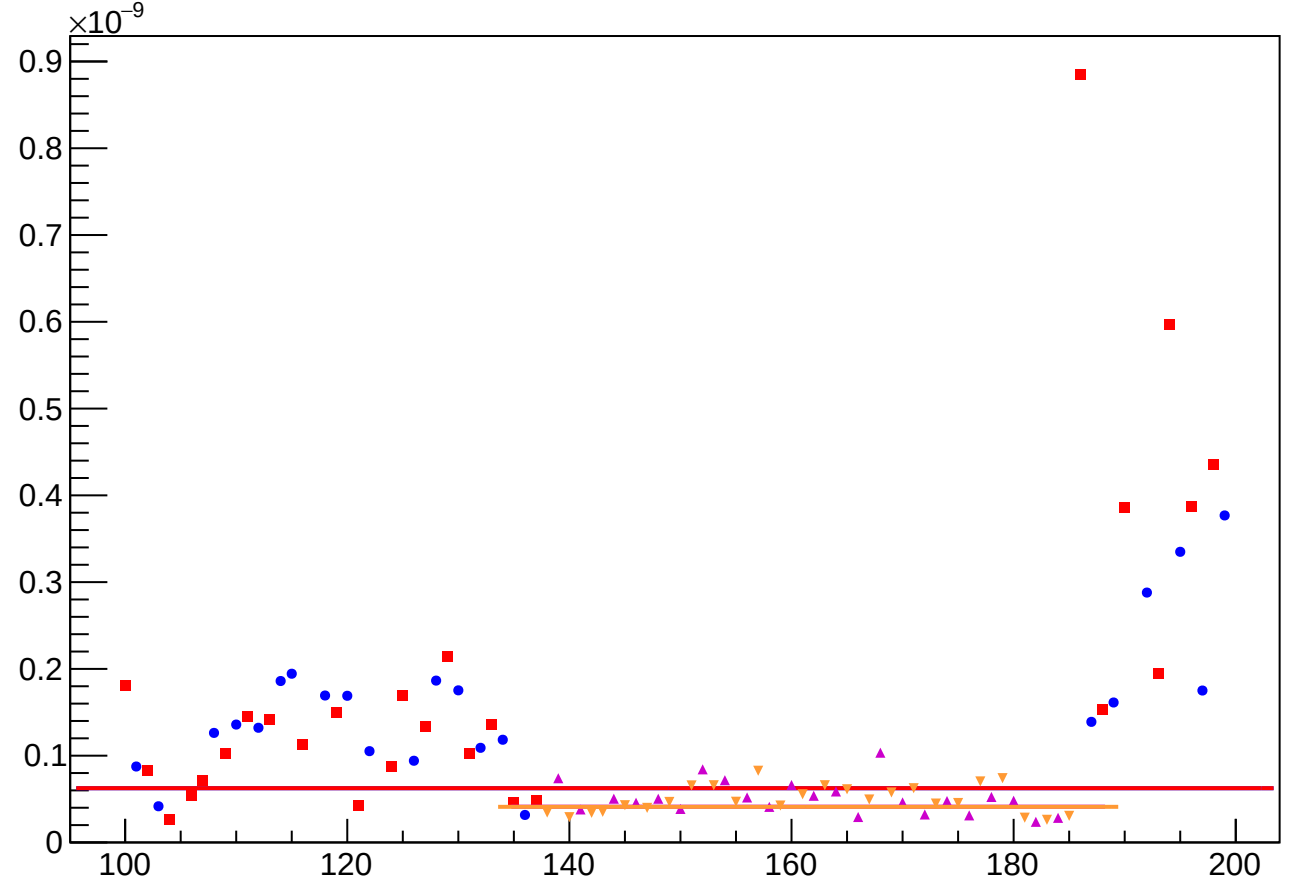
Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/25

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/46

All: -0.000+/-0.000 χ^2/NDF: 114.0/95

- sign -0.000+/-0.000 χ^2/NDF: 60.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 5406853.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6528310.2/25

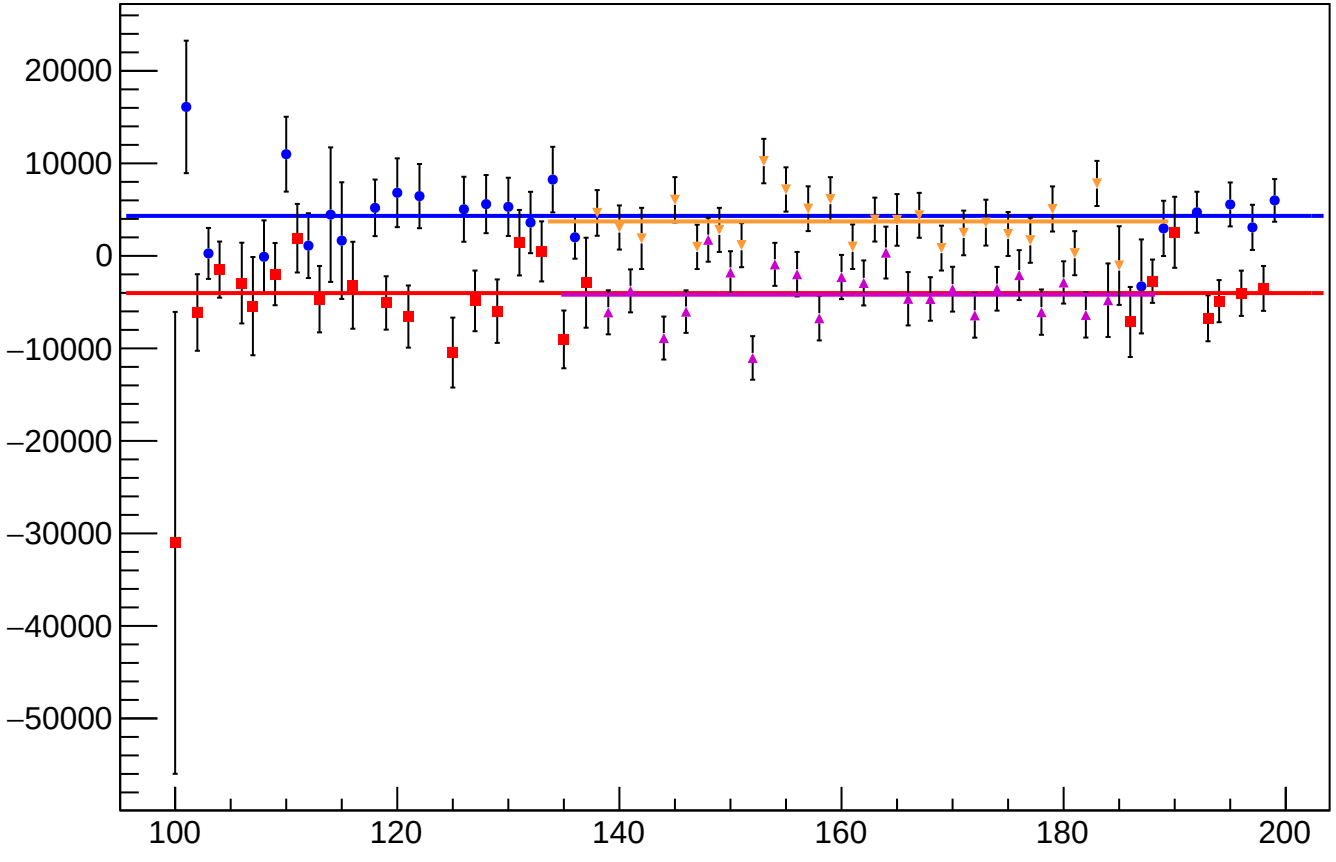
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8851275.4/46

All: 0.000+/-0.000 χ^2/NDF: 19030882.1/95

- sign 0.000+/-0.000 χ^2/NDF: 10178944.0/48

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4323.017+/-675.195 χ^2/NDF: 16.9/21

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -4021.431+/-655.168 χ^2/NDF: 21.5/24

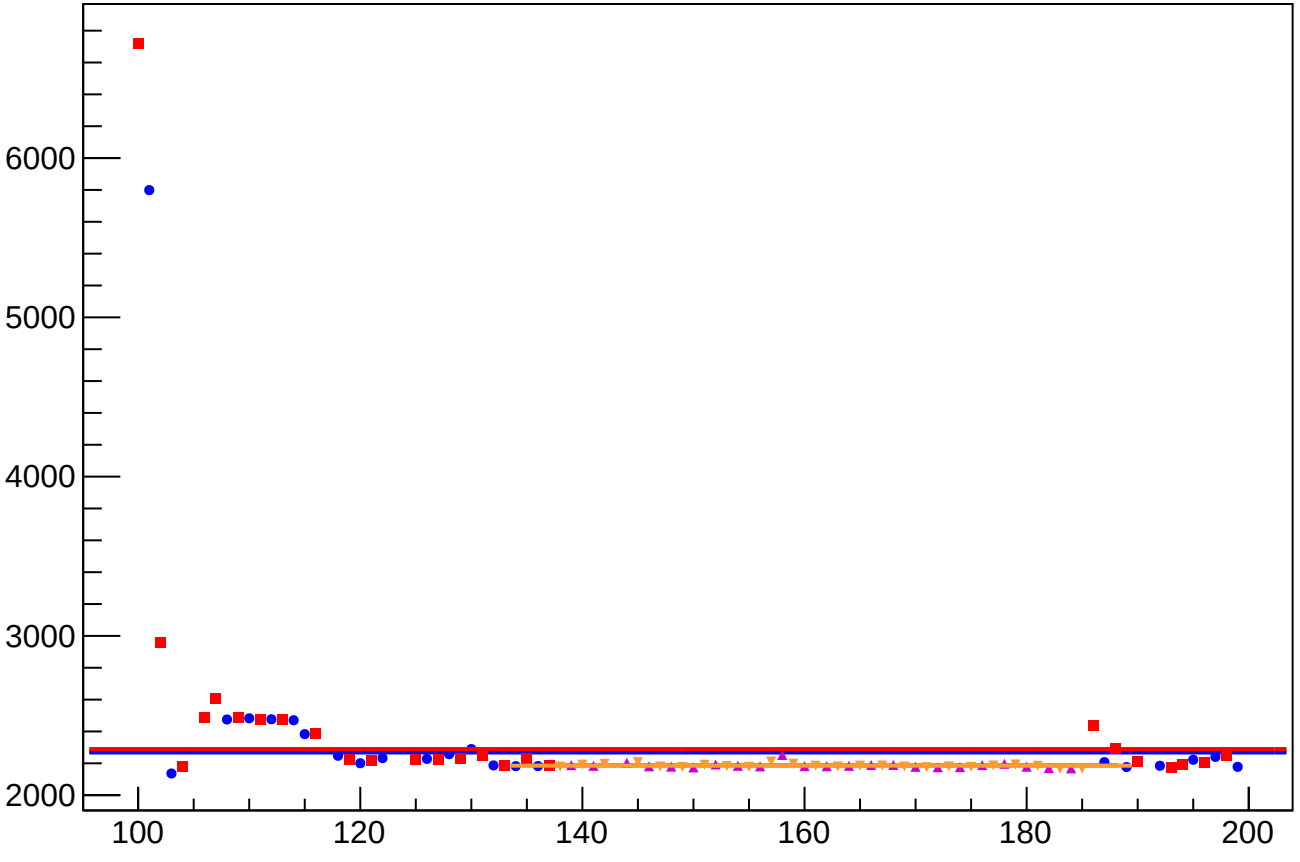
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3939.731+/-405.505 χ^2/NDF: 42.9/45

All: -122.874+/-285.748 χ^2/NDF: 295.9/93

- sign -4130.004+/-402.727 χ^2/NDF: 53.6/47

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.5/21

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

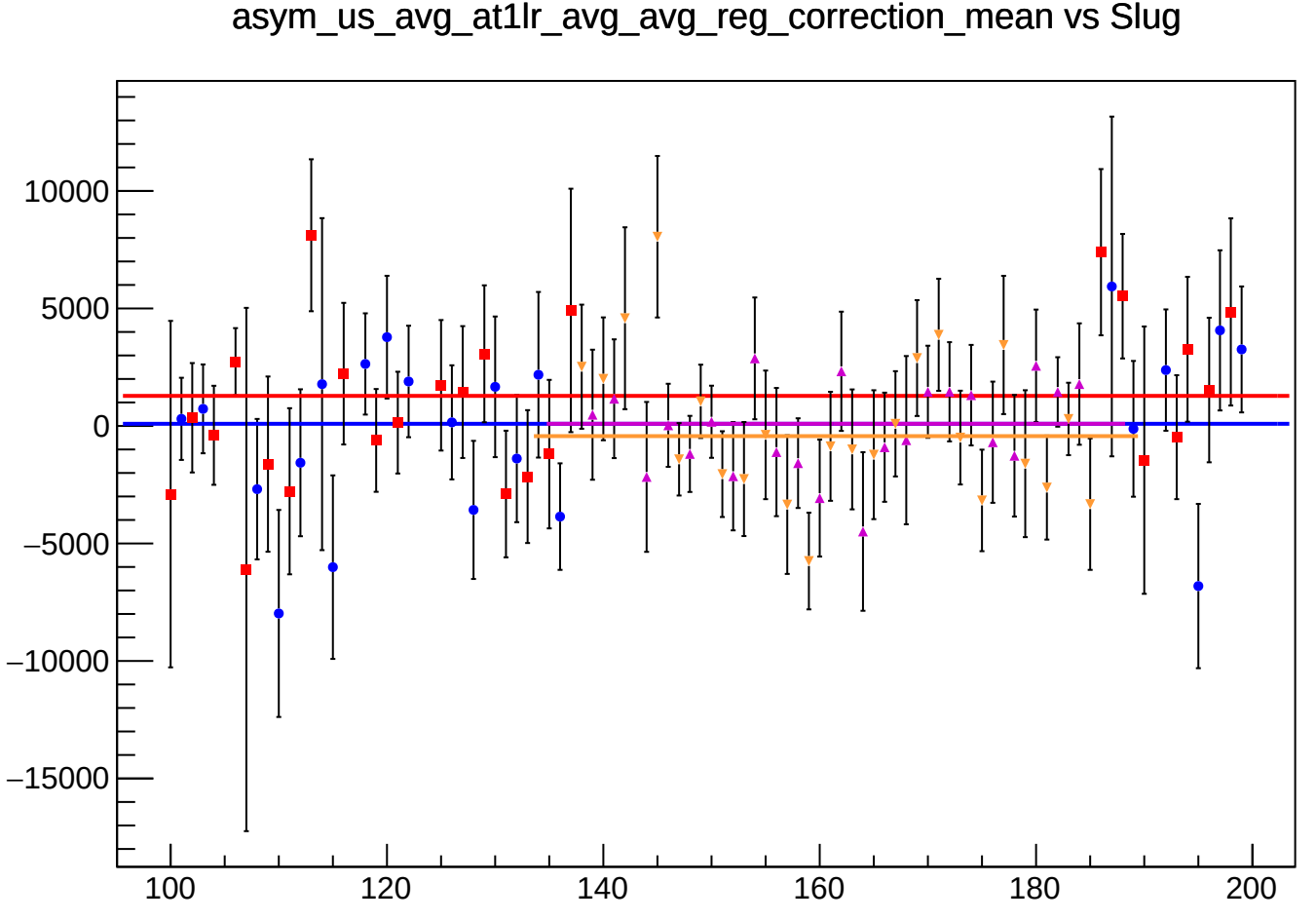
Right Out: 2289.601+/-0.463 χ^2/NDF: 170325.7/24

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.030+/-0.287 χ^2/NDF: 546875.9/45

All: 2220.356+/-0.202 χ^2/NDF: 750618.2/93

- sign 2225.609+/-0.285 χ^2/NDF: 203057.0/47



Right In: 91.881+/-586.858 χ^2/NDF: 24.7/21

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

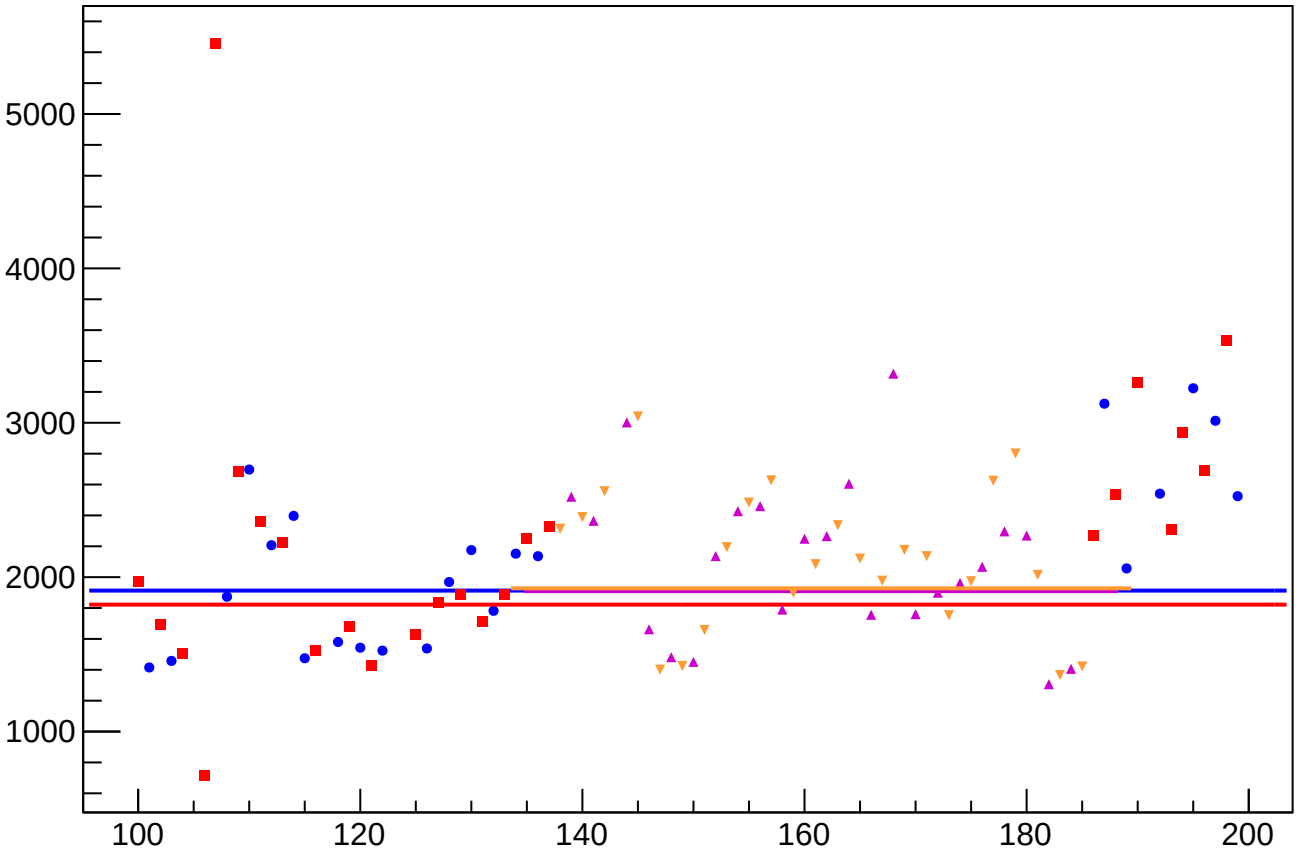
Right Out: 1279.654+/-563.248 χ^2/NDF: 23.0/24

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -231.523+/-363.195 χ^2/NDF: 56.5/45

All: 175.785+/-254.451 χ^2/NDF: 97.3/93

- sign 568.415+/-356.591 χ^2/NDF: 38.4/47



Right In: 1913.082+/-0.415 χ^2/NDF: 1406228.7/21

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1822.109+/-0.398 χ^2/NDF: 2980179.0/24

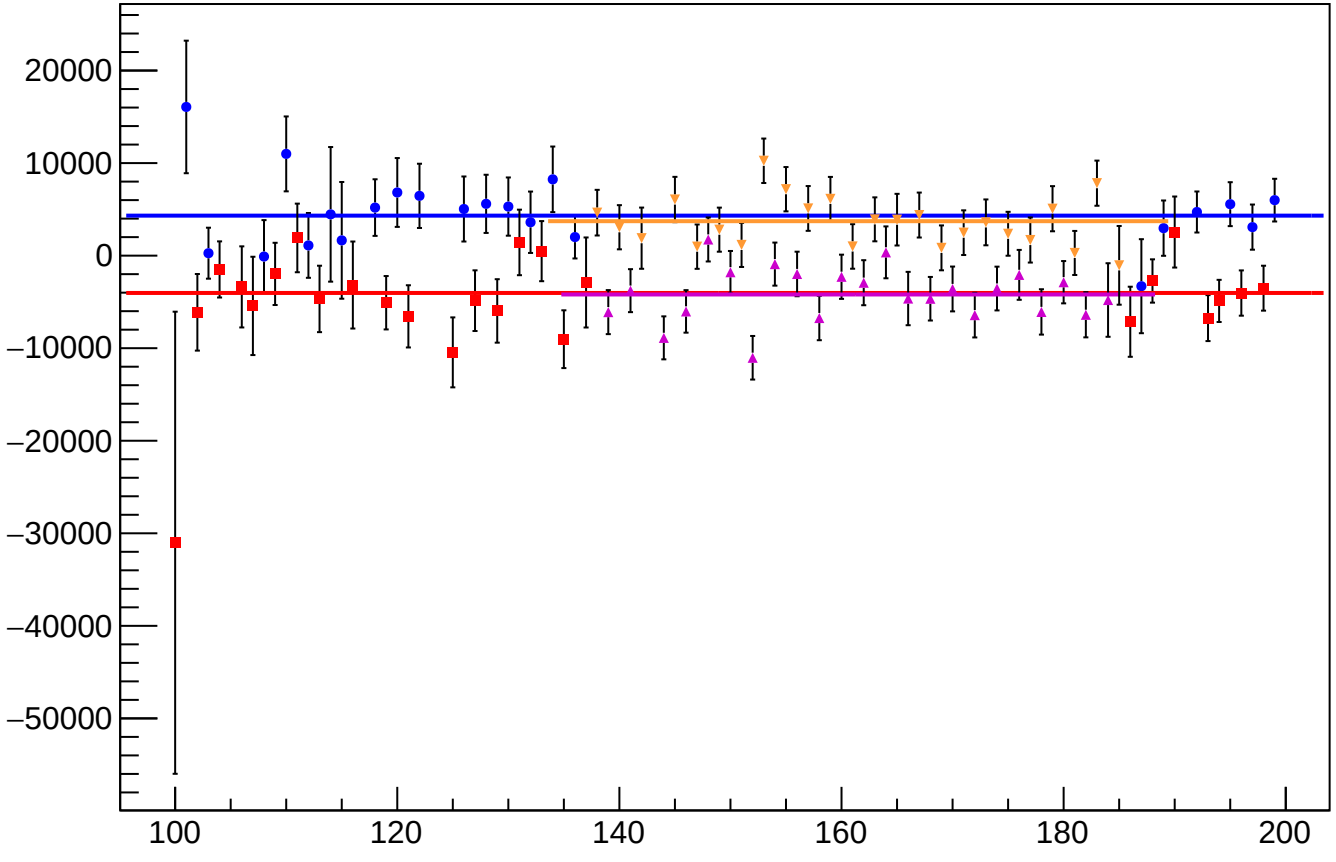
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1922.077+/-0.257 χ^2/NDF: 3205373.2/45

All: 1897.872+/-0.180 χ^2/NDF: 8174184.7/93

- sign 1874.540+/-0.252 χ^2/NDF: 4951366.5/47

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4322.669+/-675.195 χ^2/NDF: 16.9/21

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4031.703+/-655.231 χ^2/NDF: 21.4/24

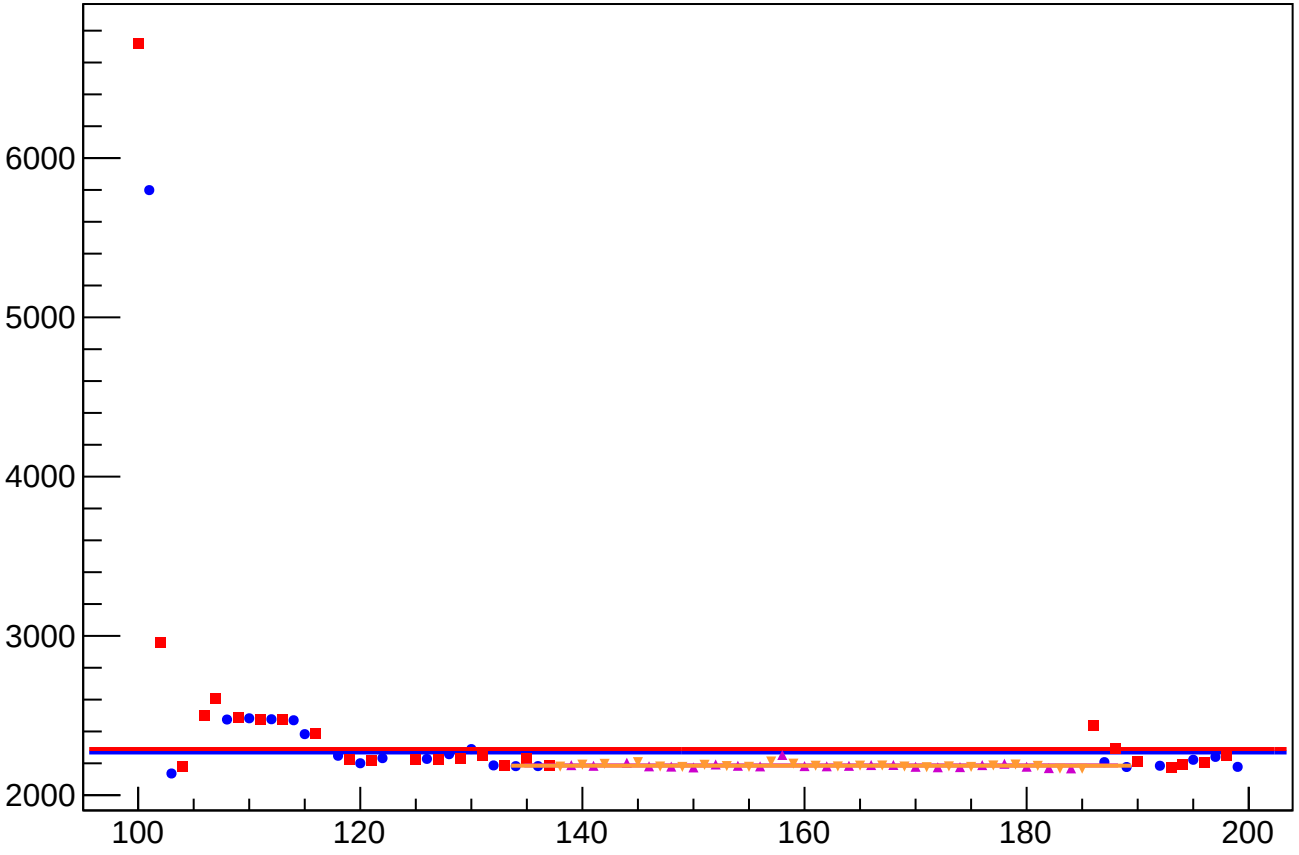
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3939.572+/-405.505 χ^2/NDF: 42.8/45

All: -124.800+/-285.753 χ^2/NDF: 296.0/93

- sign -4133.966+/-402.742 χ^2/NDF: 53.6/47

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.9/21

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

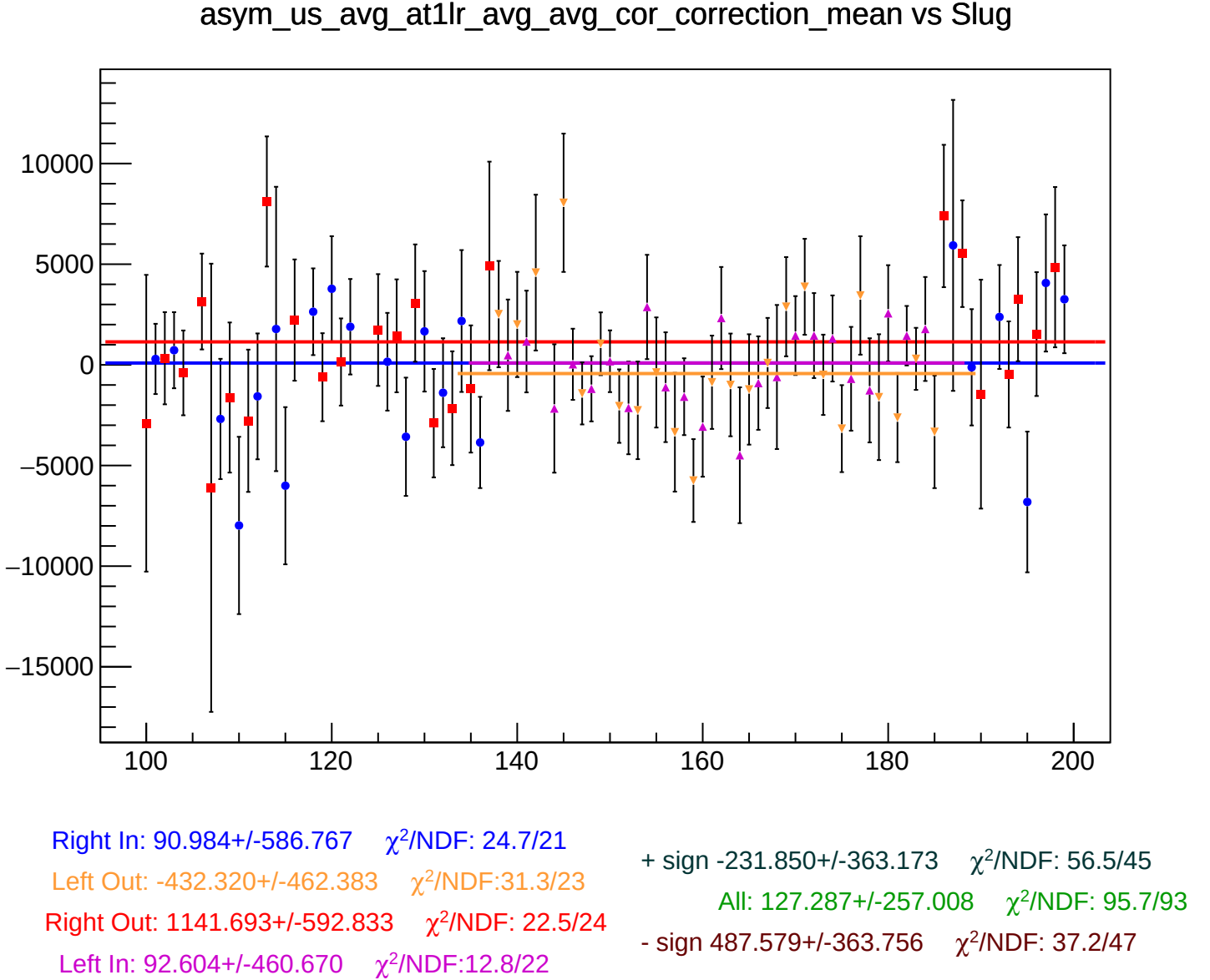
Right Out: 2289.802+/-0.463 χ^2/NDF: 170749.5/24

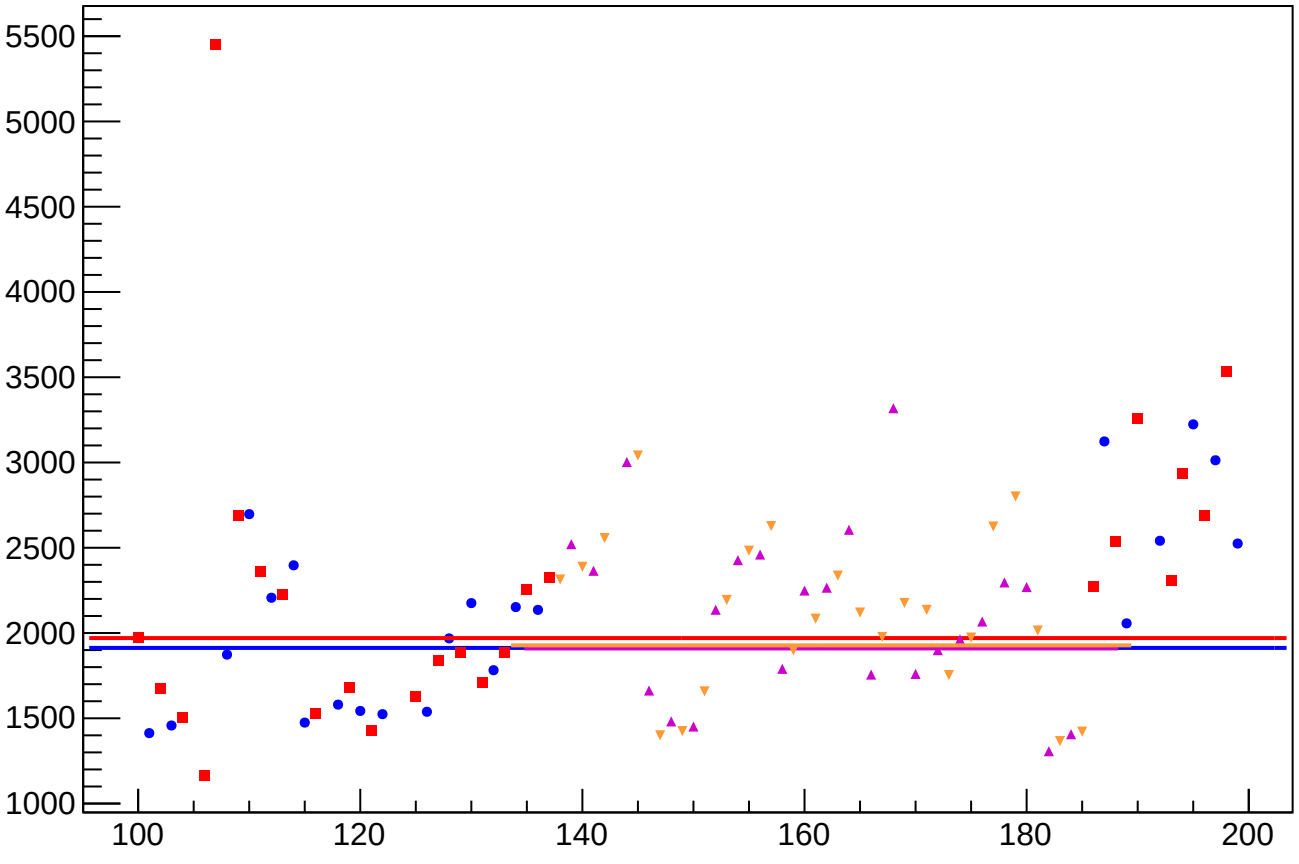
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.030+/-0.287 χ^2/NDF: 546876.2/45

All: 2220.391+/-0.202 χ^2/NDF: 751167.7/93

- sign 2225.680+/-0.285 χ^2/NDF: 203596.9/47


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 90.984+/-586.767 χ²/NDF: 24.7/21
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 -231.850+/-363.173 χ²/NDF: 56.5/45
All: 127.287+/-257.008 χ²/NDF: 95.7/93
- sign 487.579+/-363.756 χ²/NDF: 37.2/47



Right In: 1912.716+/-0.415 χ^2/NDF: 1407931.5/21

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

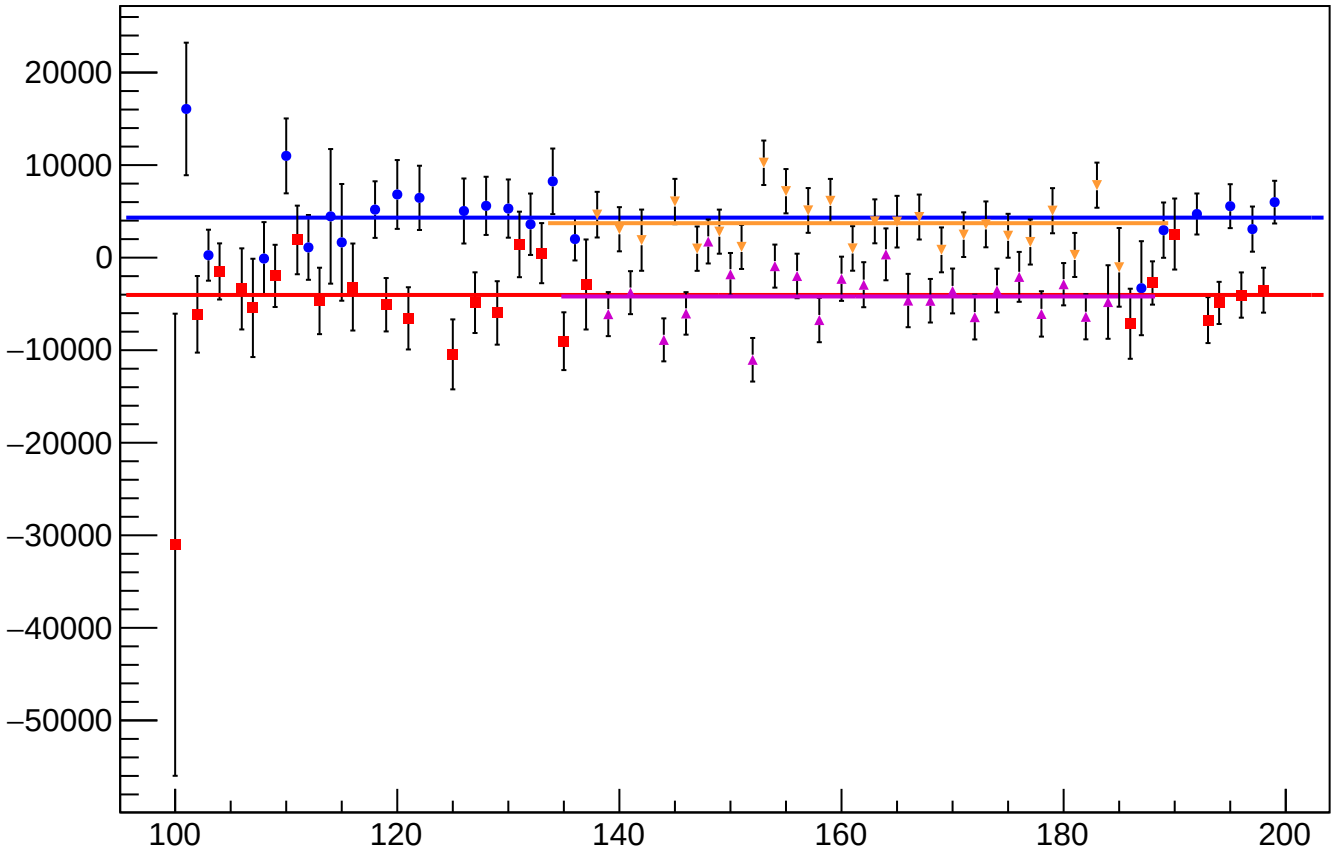
Right Out: 1970.379+/-0.419 χ^2/NDF: 1808924.0/24

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1921.934+/-0.257 χ^2/NDF: 3207138.9/45

All: 1927.206+/-0.182 χ^2/NDF: 6972293.6/93

- sign 1932.494+/-0.257 χ^2/NDF: 3764310.7/47



Right In: 4322.669+/-675.195 χ^2/NDF: 16.9/21

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4031.703+/-655.231 χ^2/NDF: 21.4/24

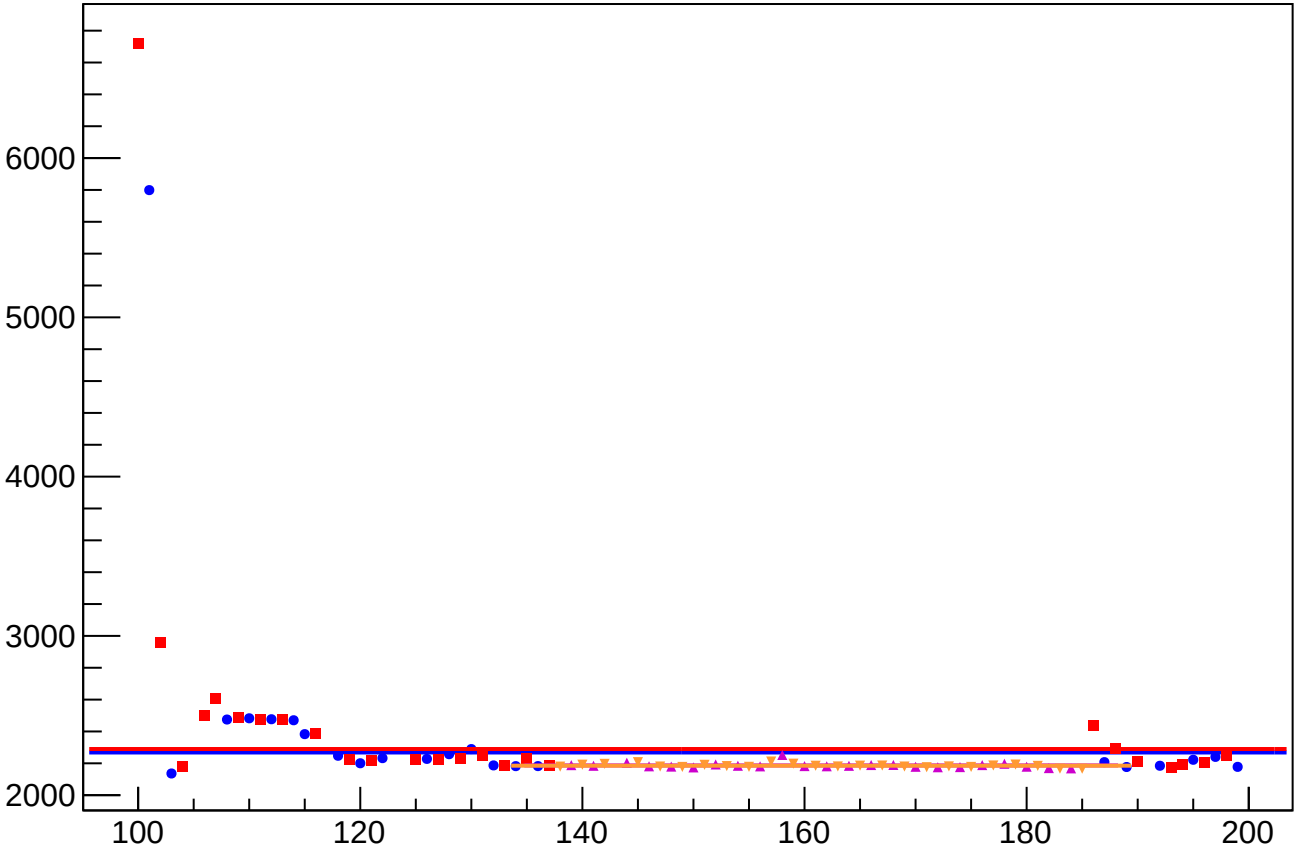
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3939.572+/-405.505 χ^2/NDF: 42.8/45

All: -124.800+/-285.753 χ^2/NDF: 296.0/93

- sign -4133.966+/-402.742 χ^2/NDF: 53.6/47

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.9/21

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

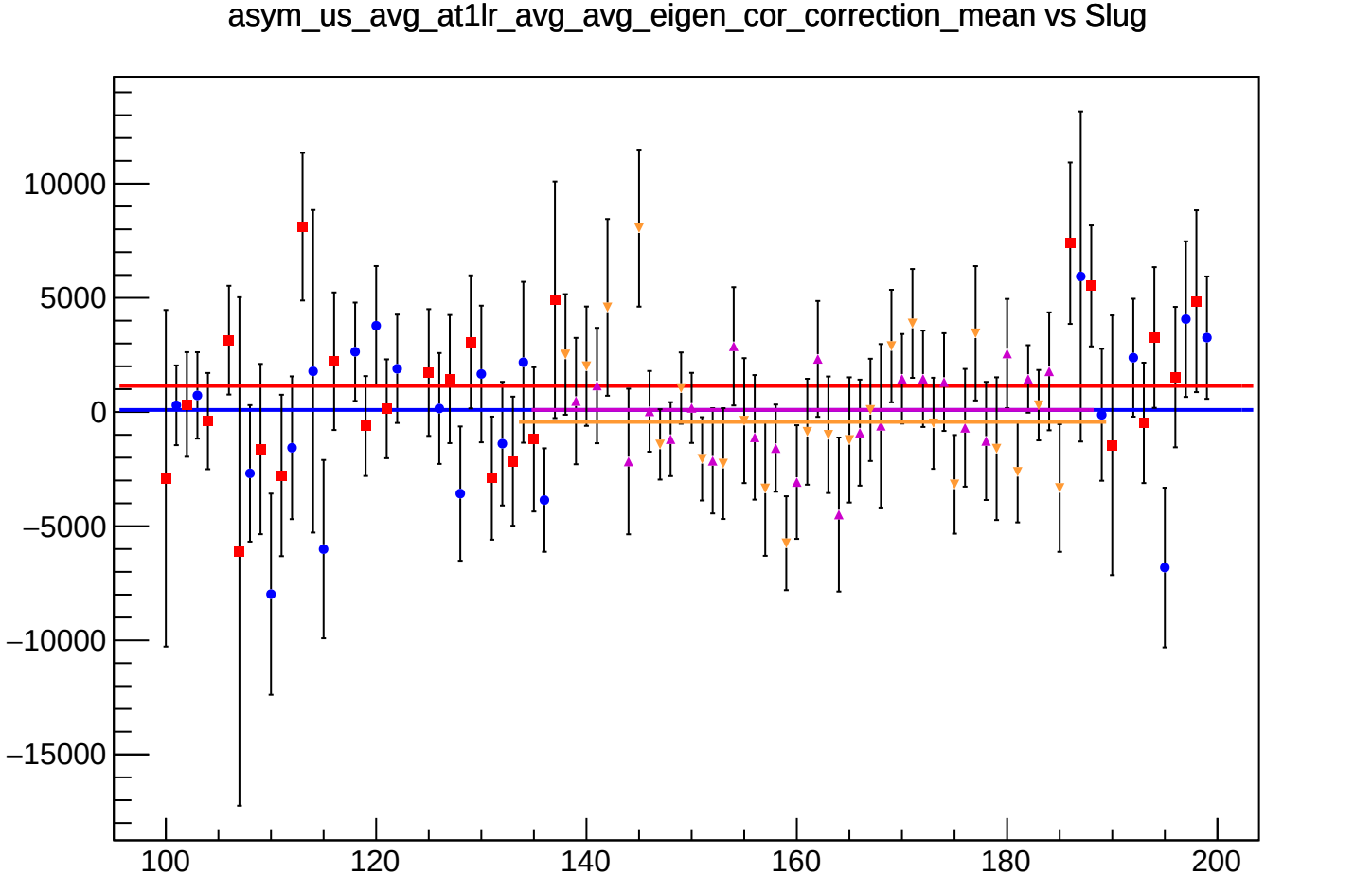
Right Out: 2289.802+/-0.463 χ^2/NDF: 170749.5/24

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.030+/-0.287 χ^2/NDF: 546876.2/45

All: 2220.391+/-0.202 χ^2/NDF: 751167.7/93

- sign 2225.680+/-0.285 χ^2/NDF: 203596.9/47



Right In: 90.984+/-586.767 χ^2/NDF: 24.7/21

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

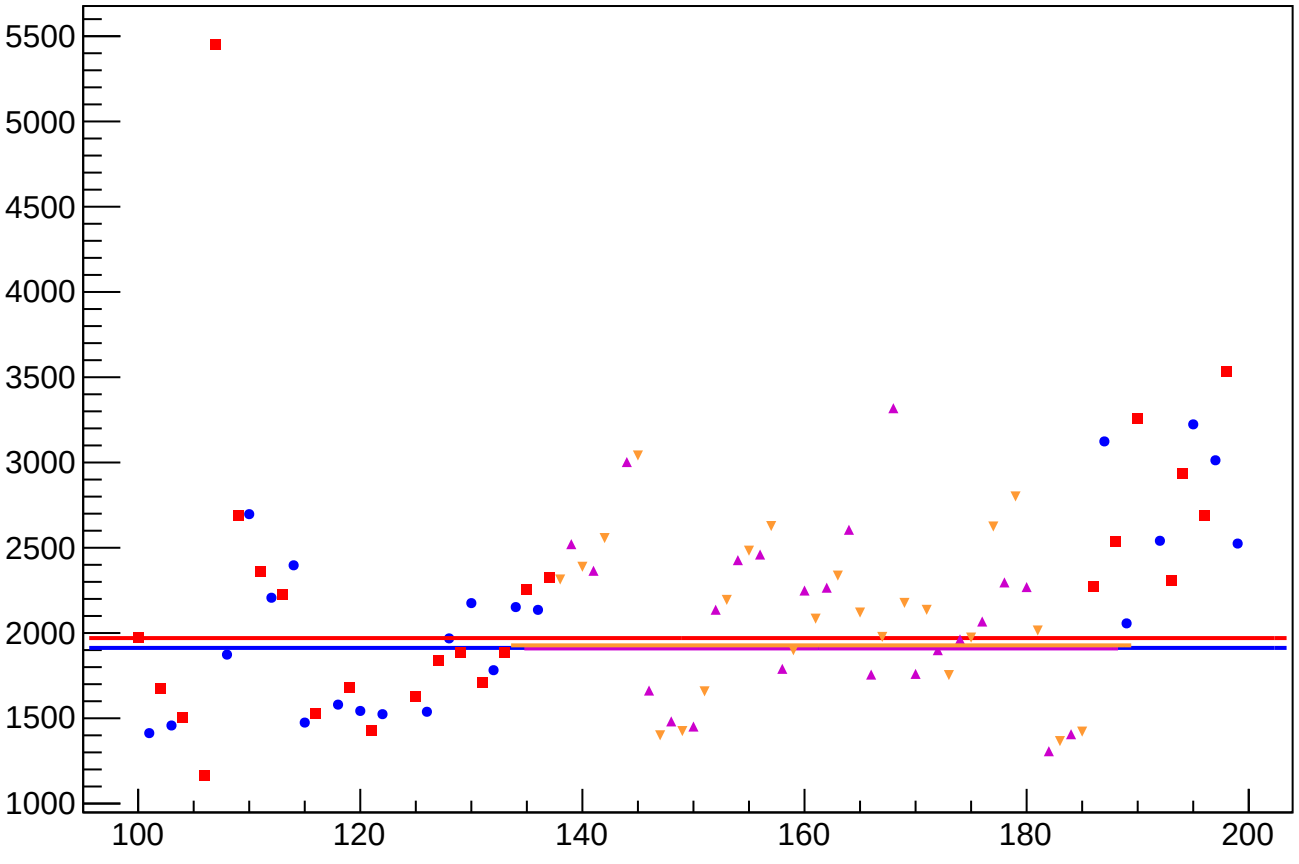
Right Out: 1141.693+/-592.833 χ^2/NDF: 22.5/24

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -231.850+/-363.173 χ^2/NDF: 56.5/45

All: 127.287+/-257.008 χ^2/NDF: 95.7/93

- sign 487.579+/-363.756 χ^2/NDF: 37.2/47



Right In: 1912.716+/-0.415 χ^2/NDF: 1407931.5/21

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1970.379+/-0.419 χ^2/NDF: 1808924.0/24

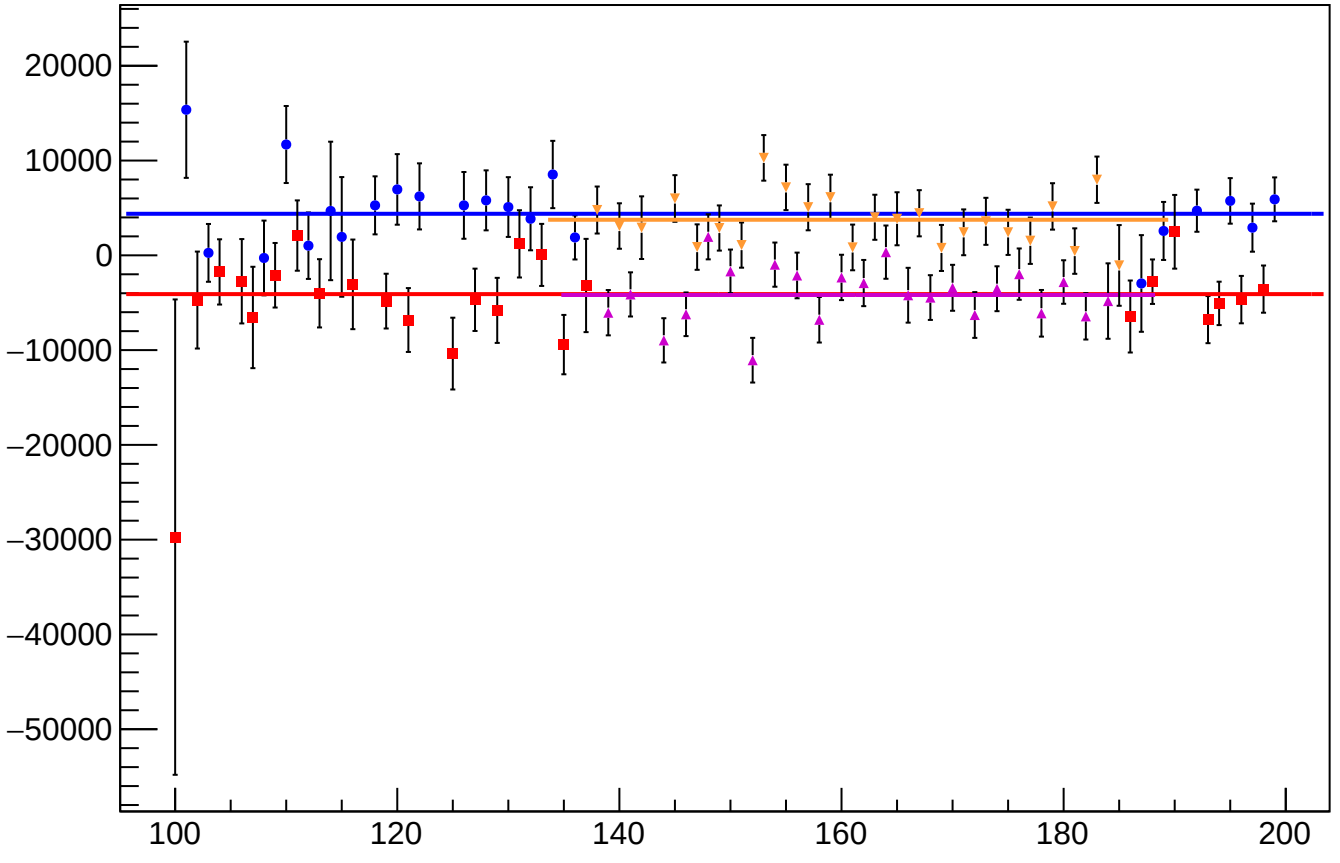
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1921.934+/-0.257 χ^2/NDF: 3207138.9/45

All: 1927.206+/-0.182 χ^2/NDF: 6972293.6/93

- sign 1932.494+/-0.257 χ^2/NDF: 3764310.7/47

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4383.639+/-684.147 χ^2/NDF: 17.1/21

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4092.011+/-666.391 χ^2/NDF: 20.5/24

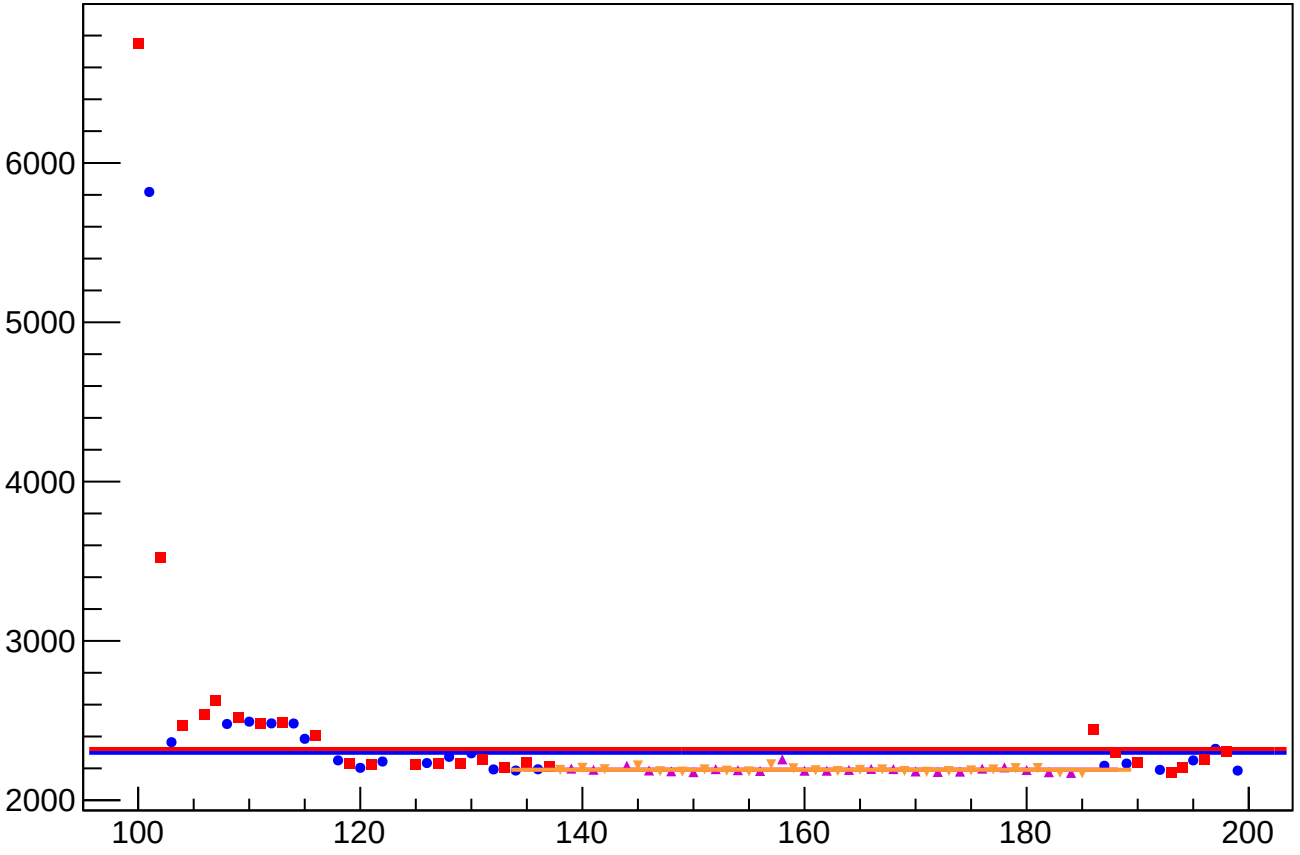
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3978.139+/-408.152 χ^2/NDF: 43.3/45

All: -108.068+/-287.820 χ^2/NDF: 295.9/93

- sign -4150.000+/-405.934 χ^2/NDF: 53.2/47

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2297.836+/-0.484 χ^2/NDF: 519843.6/21

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

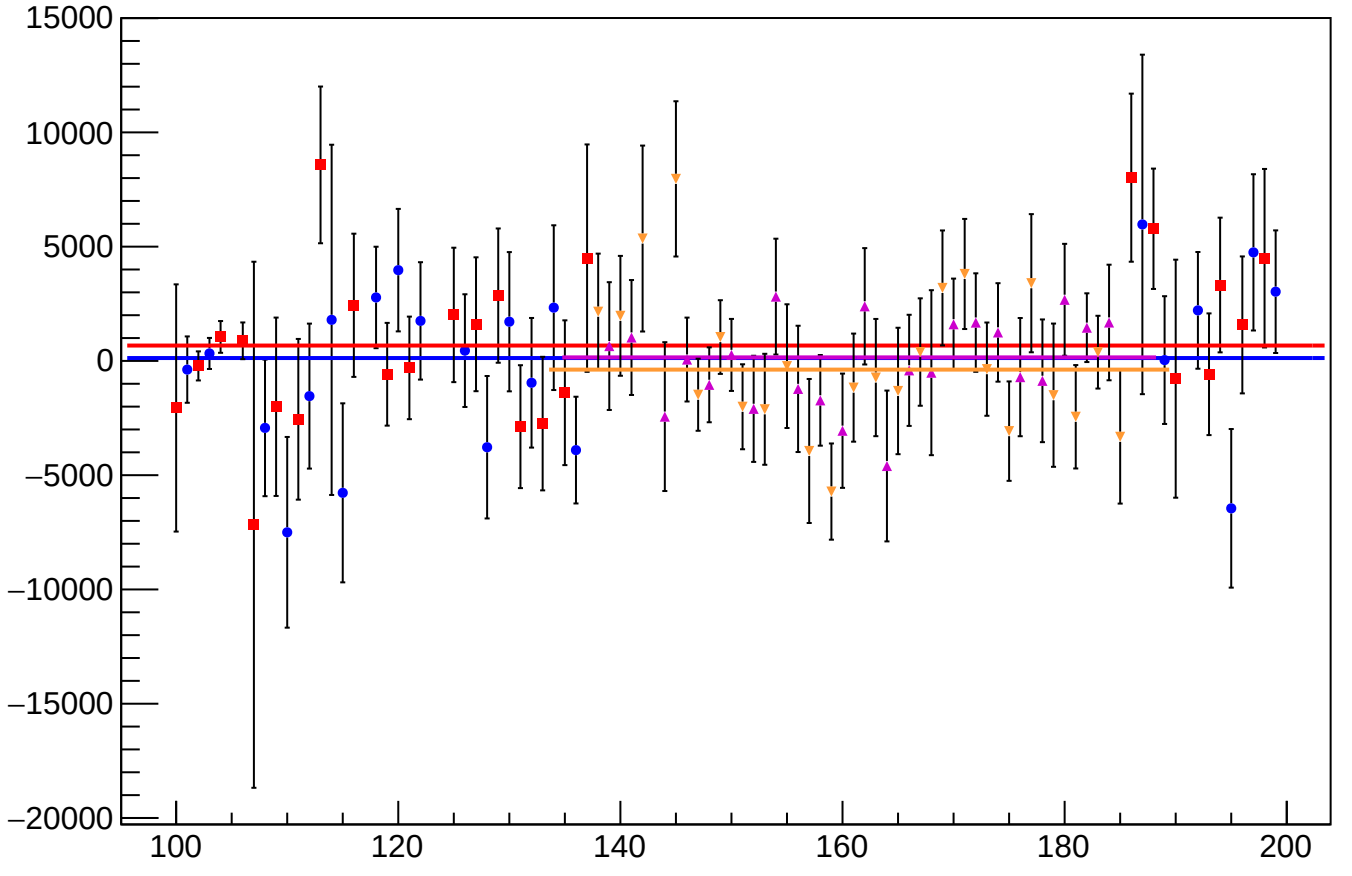
Right Out: 2321.669+/-0.471 χ^2/NDF: 232701.0/24

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2229.119+/-0.289 χ^2/NDF: 552399.6/45

All: 2234.711+/-0.204 χ^2/NDF: 835608.3/93

- sign 2240.243+/-0.287 χ^2/NDF: 282461.9/47



Right In: 125.789+/-453.962 χ^2/NDF: 24.3/21

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

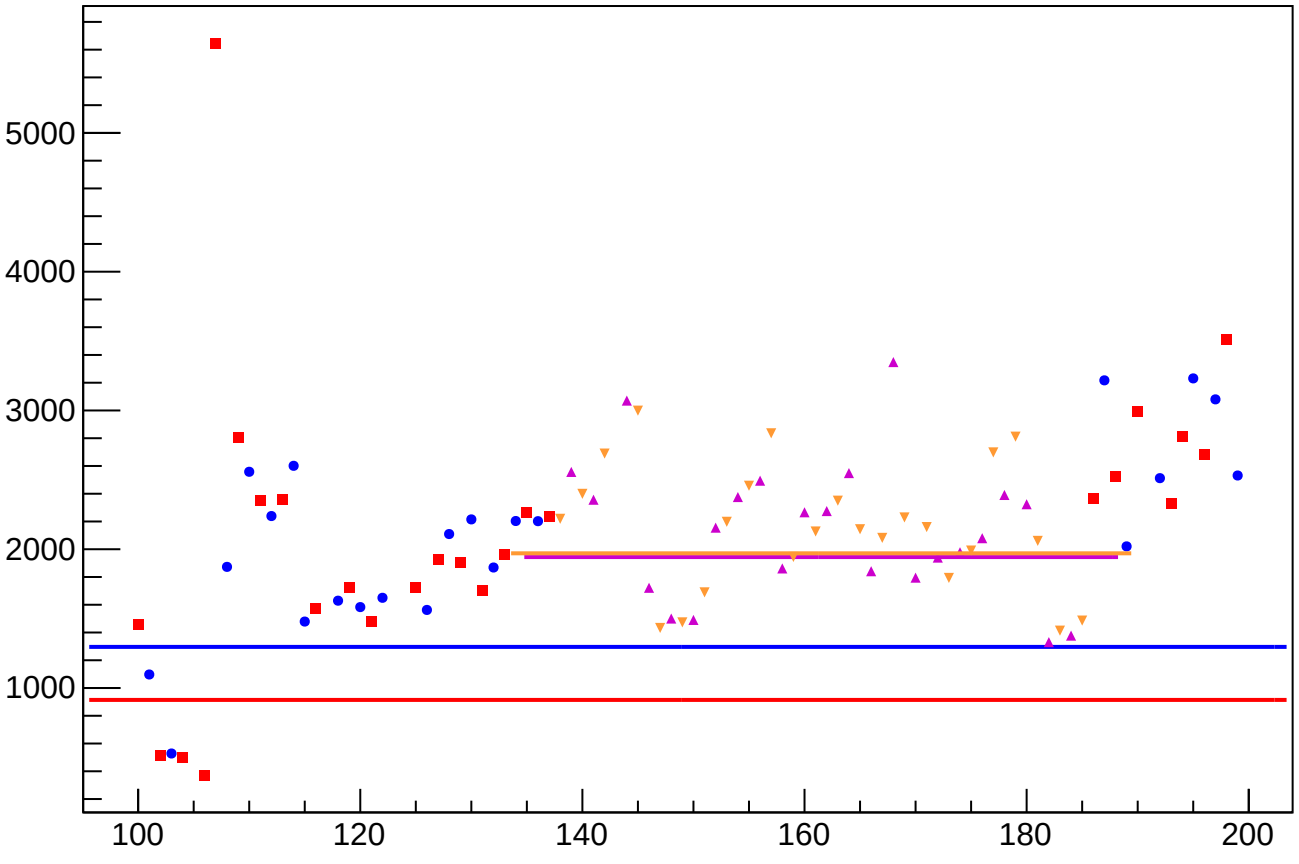
Right Out: 672.461+/-347.205 χ^2/NDF: 25.4/24

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -117.769+/-327.018 χ^2/NDF: 55.7/45

All: 233.316+/-212.181 χ^2/NDF: 96.6/93

- sign 488.585+/-278.846 χ^2/NDF: 39.0/47



Right In: 1296.296+/-0.321 χ^2/NDF: 6358528.7/21

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

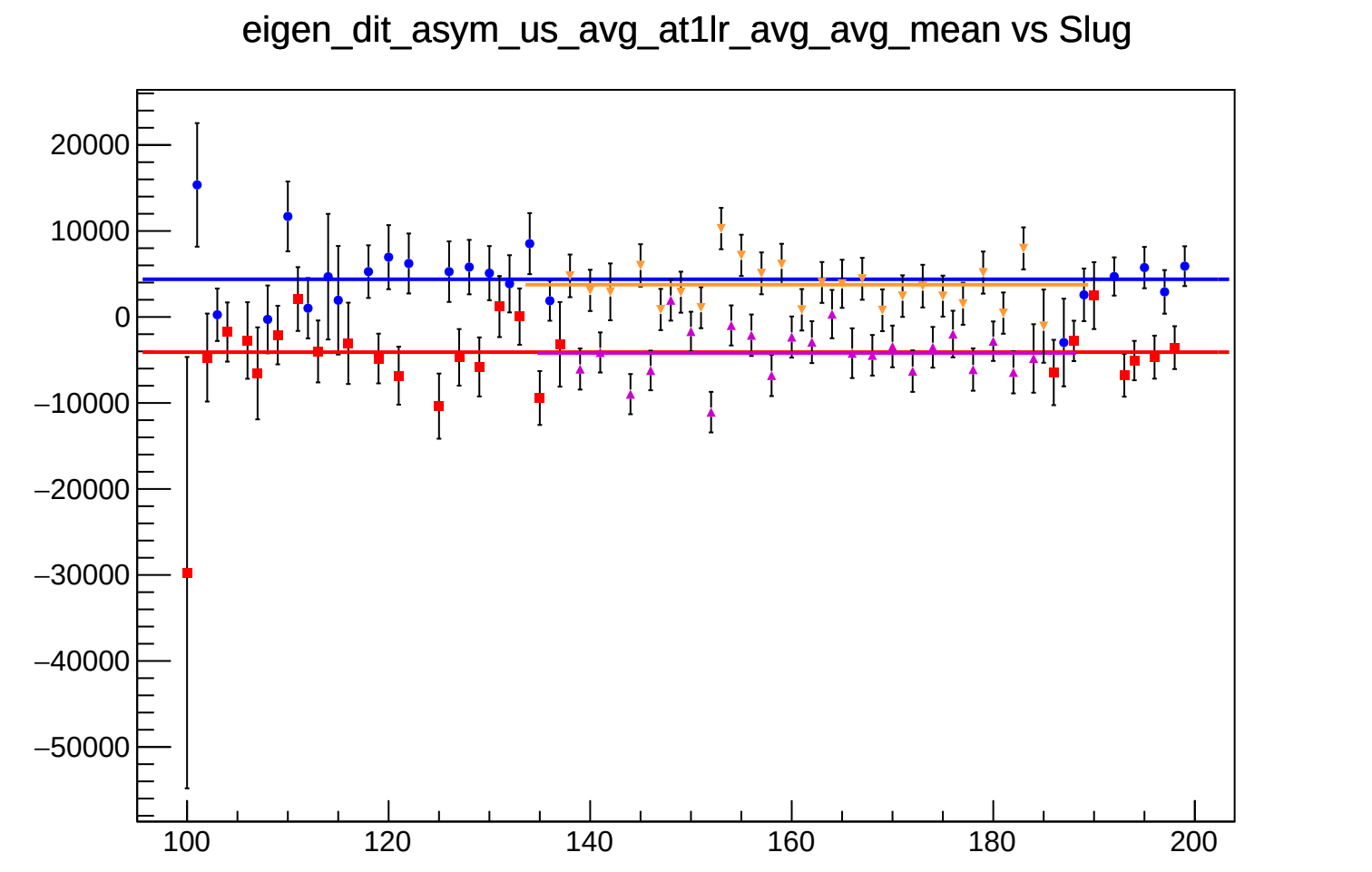
Right Out: 914.195+/-0.246 χ^2/NDF: 10325381.1/24

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1620.714+/-0.231 χ^2/NDF: 10178374.1/45

All: 1423.235+/-0.150 χ^2/NDF: 29887839.9/9

- sign 1279.651+/-0.197 χ^2/NDF: 18449833.3/47



Right In: 4383.636+/-684.147 χ^2/NDF: 17.1/21

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4092.007+/-666.390 χ^2/NDF: 20.5/24

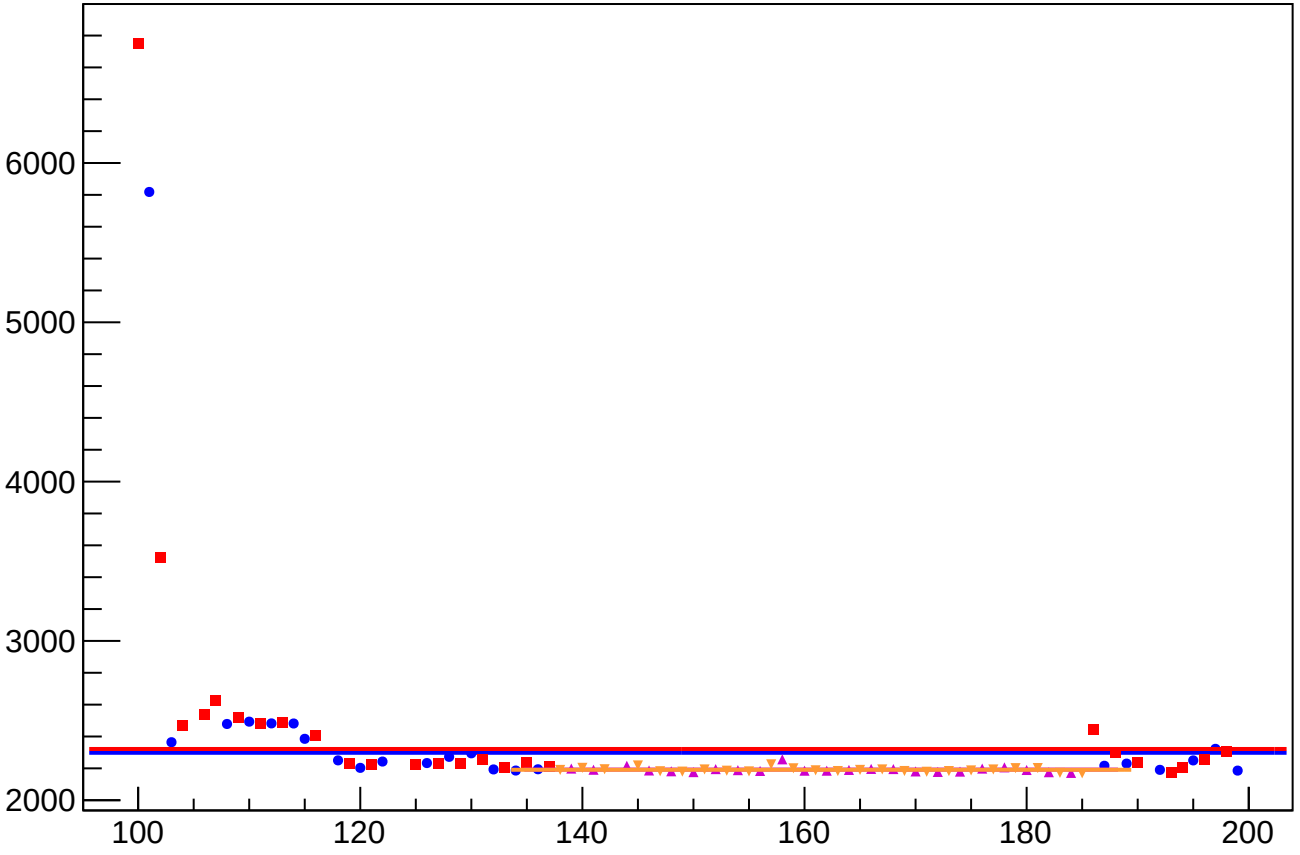
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3978.137+/-408.152 χ^2/NDF: 43.3/45

All: -108.069+/-287.820 χ^2/NDF: 295.9/93

- sign -4149.999+/-405.934 χ^2/NDF: 53.2/47

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2297.836+/-0.484 χ^2/NDF: 519843.5/21

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

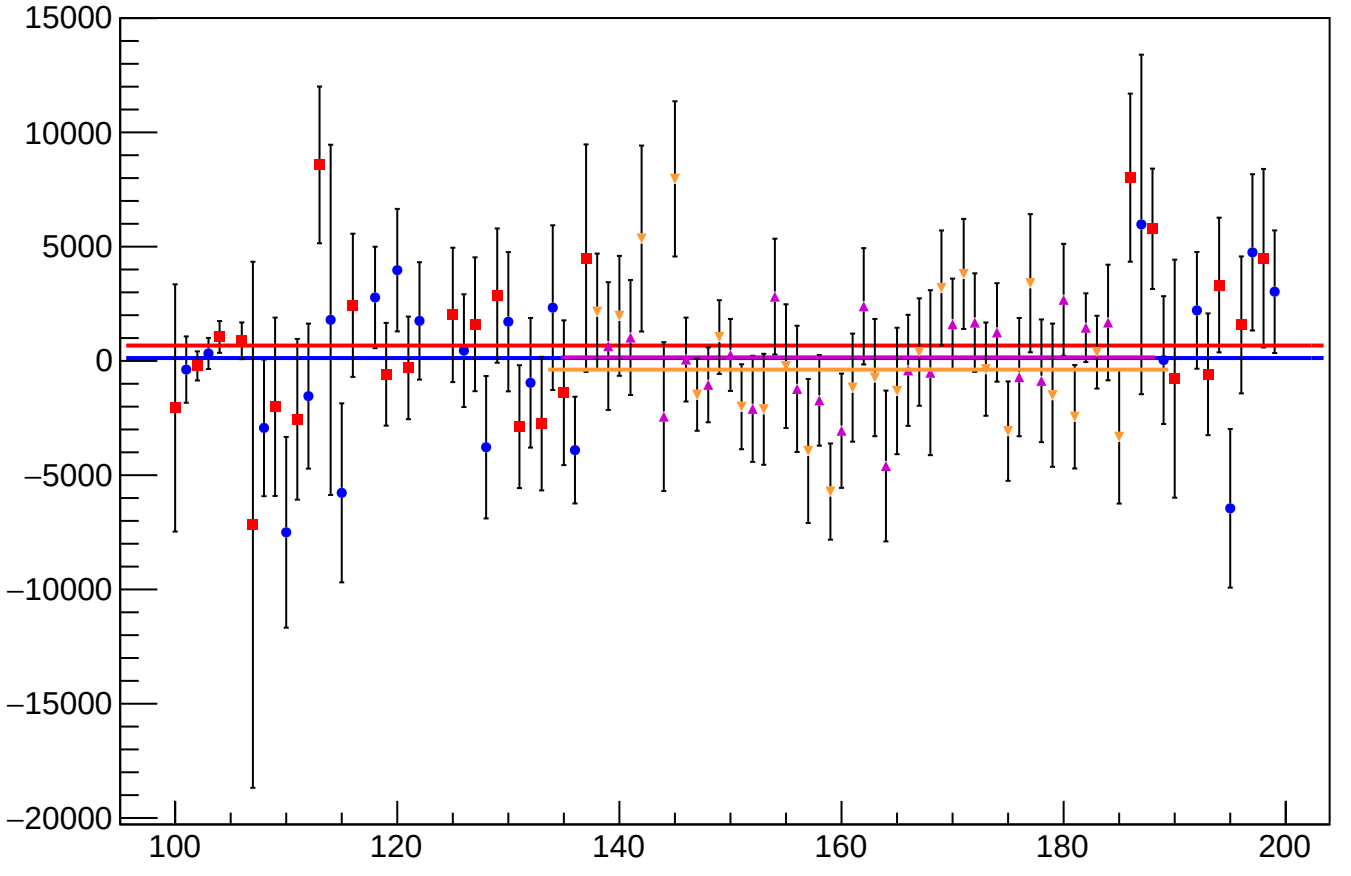
Right Out: 2321.669+/-0.471 χ^2/NDF: 232699.9/24

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2229.119+/-0.289 χ^2/NDF: 552399.3/45

All: 2234.711+/-0.204 χ^2/NDF: 835606.7/93

- sign 2240.242+/-0.287 χ^2/NDF: 282460.5/47



Right In: 125.784+/-453.964 χ^2/NDF: 24.3/21

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

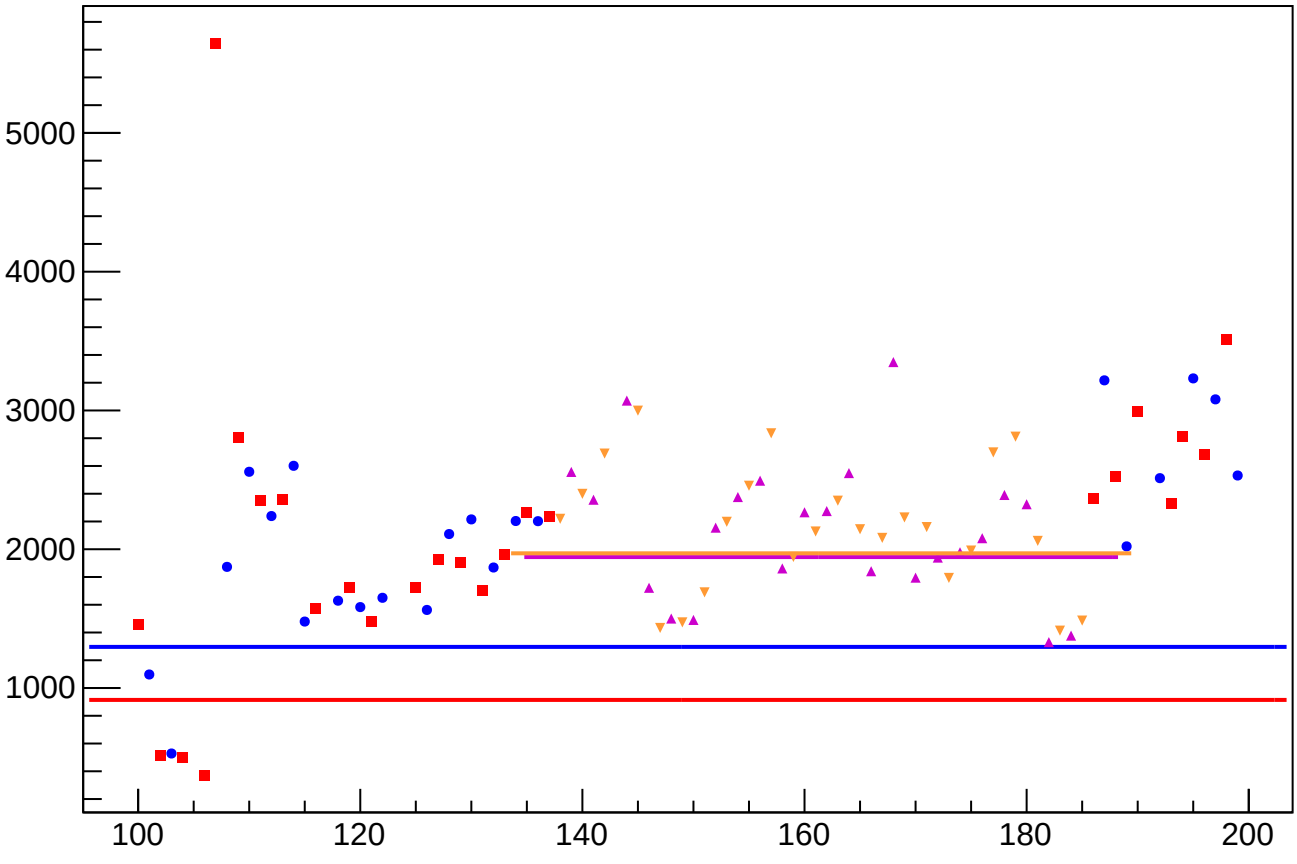
Right Out: 672.469+/-347.209 χ^2/NDF: 25.4/24

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -117.774+/-327.019 χ^2/NDF: 55.7/45

All: 233.314+/-212.183 χ^2/NDF: 96.6/93

- sign 488.588+/-278.848 χ^2/NDF: 39.0/47



Right In: 1296.306+/-0.321 χ^2/NDF: 6358423.8/21

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 914.213+/-0.246 χ^2/NDF: 10325186.0/24

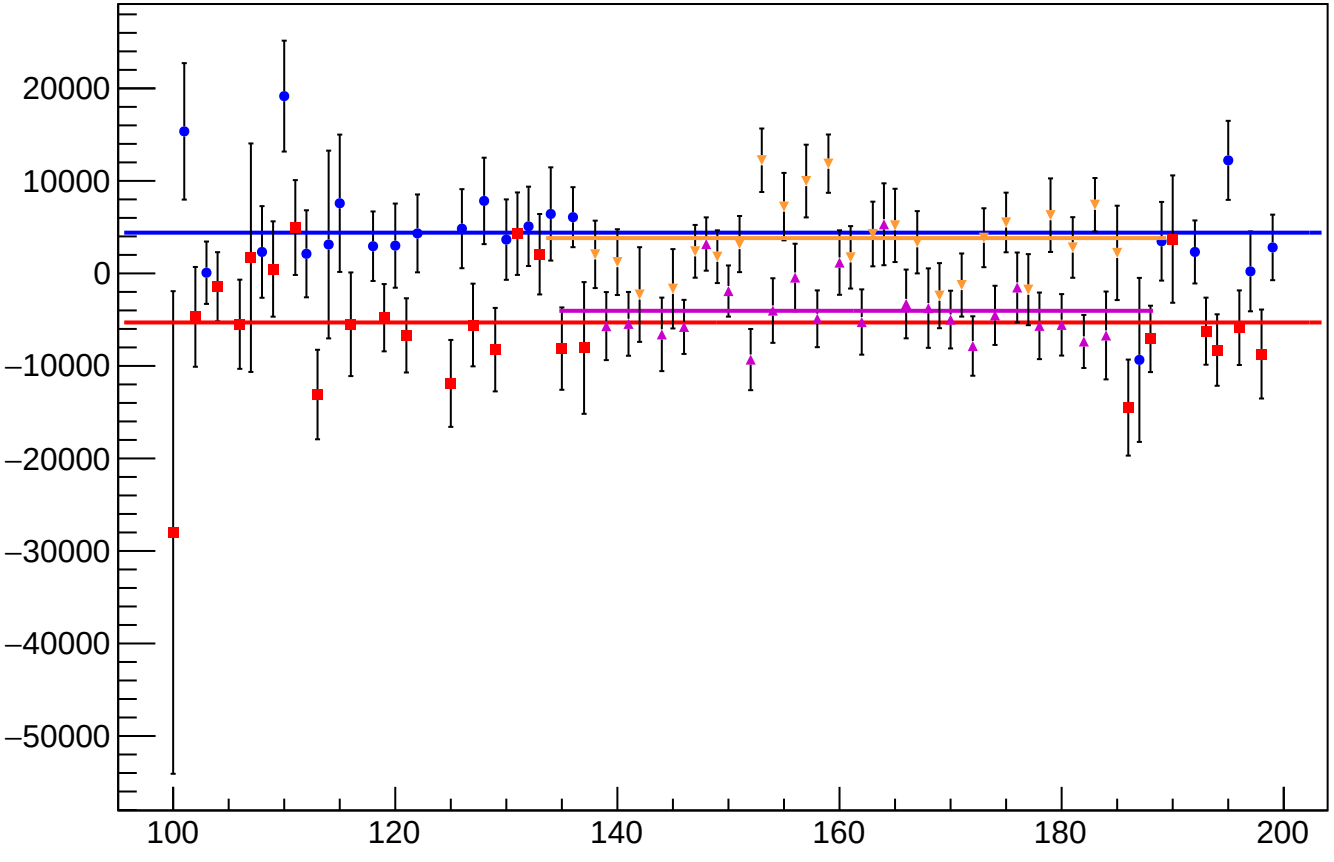
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1620.723+/-0.231 χ^2/NDF: 10178212.5/45

All: 1423.250+/-0.150 χ^2/NDF: 29887161.3/9

- sign 1279.669+/-0.197 χ^2/NDF: 18449399.0/47

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4404.271+/-949.847 χ^2/NDF: 19.1/21

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5302.097+/-933.660 χ^2/NDF: 26.9/24

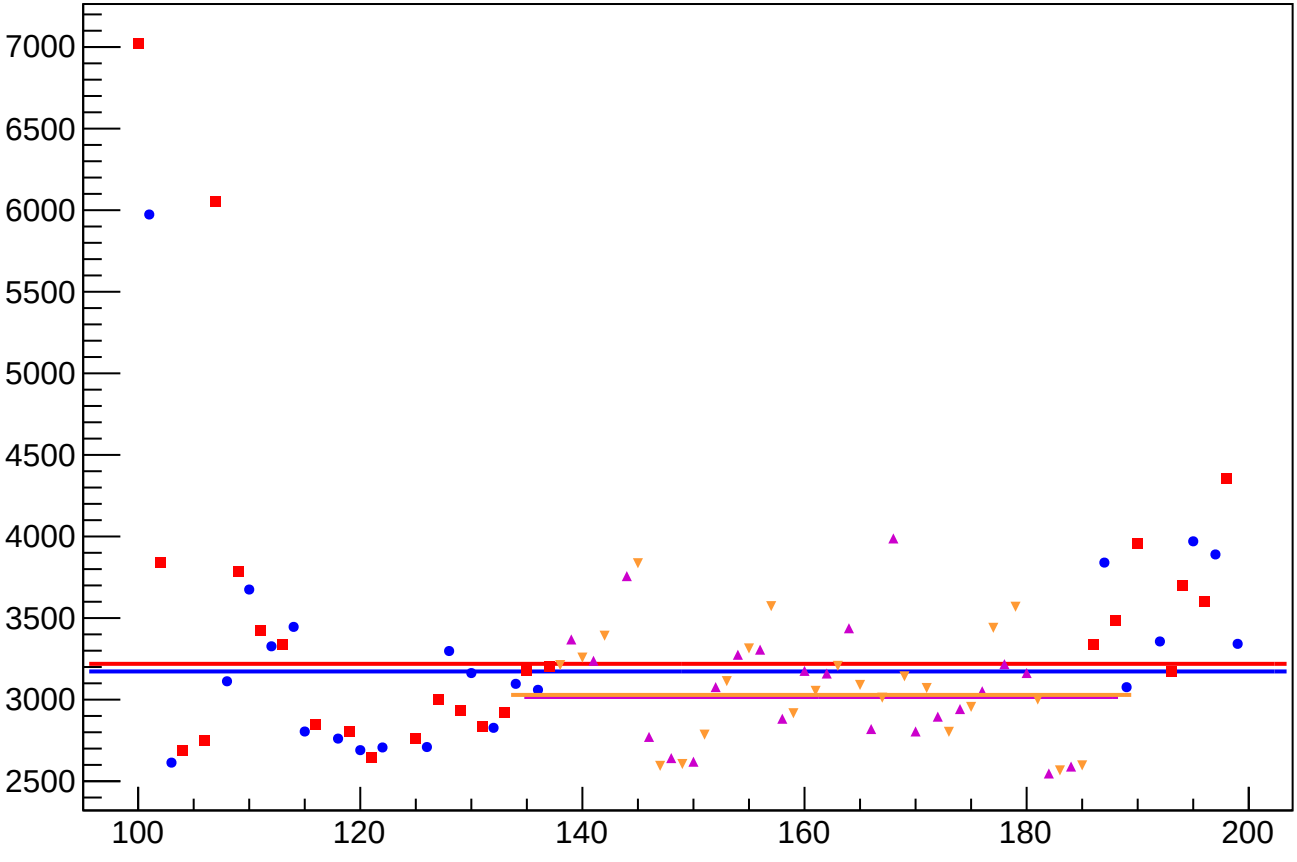
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4027.406+/-567.816 χ^2/NDF: 50.3/45

All: -259.786+/-400.485 χ^2/NDF: 214.3/93

- sign -4503.615+/-564.937 χ^2/NDF: 50.6/47

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3172.768+/-0.672 χ^2/NDF: 625721.7/21

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

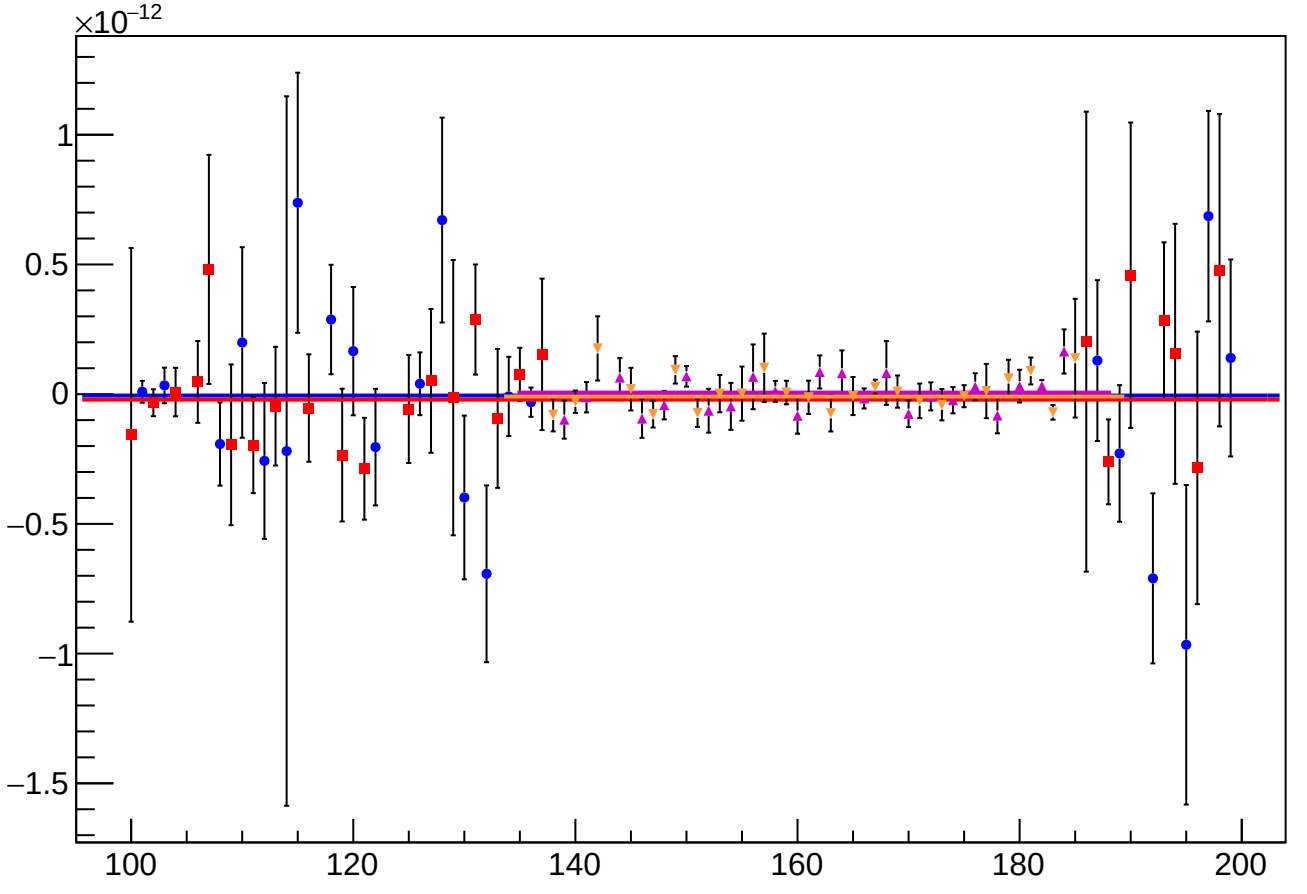
Right Out: 3219.436+/-0.660 χ^2/NDF: 590803.6/24

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3080.366+/-0.402 χ^2/NDF: 1052284.7/45

All: 3085.530+/-0.283 χ^2/NDF: 2143355.9/93

- sign 3090.642+/-0.399 χ^2/NDF: 1090741.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

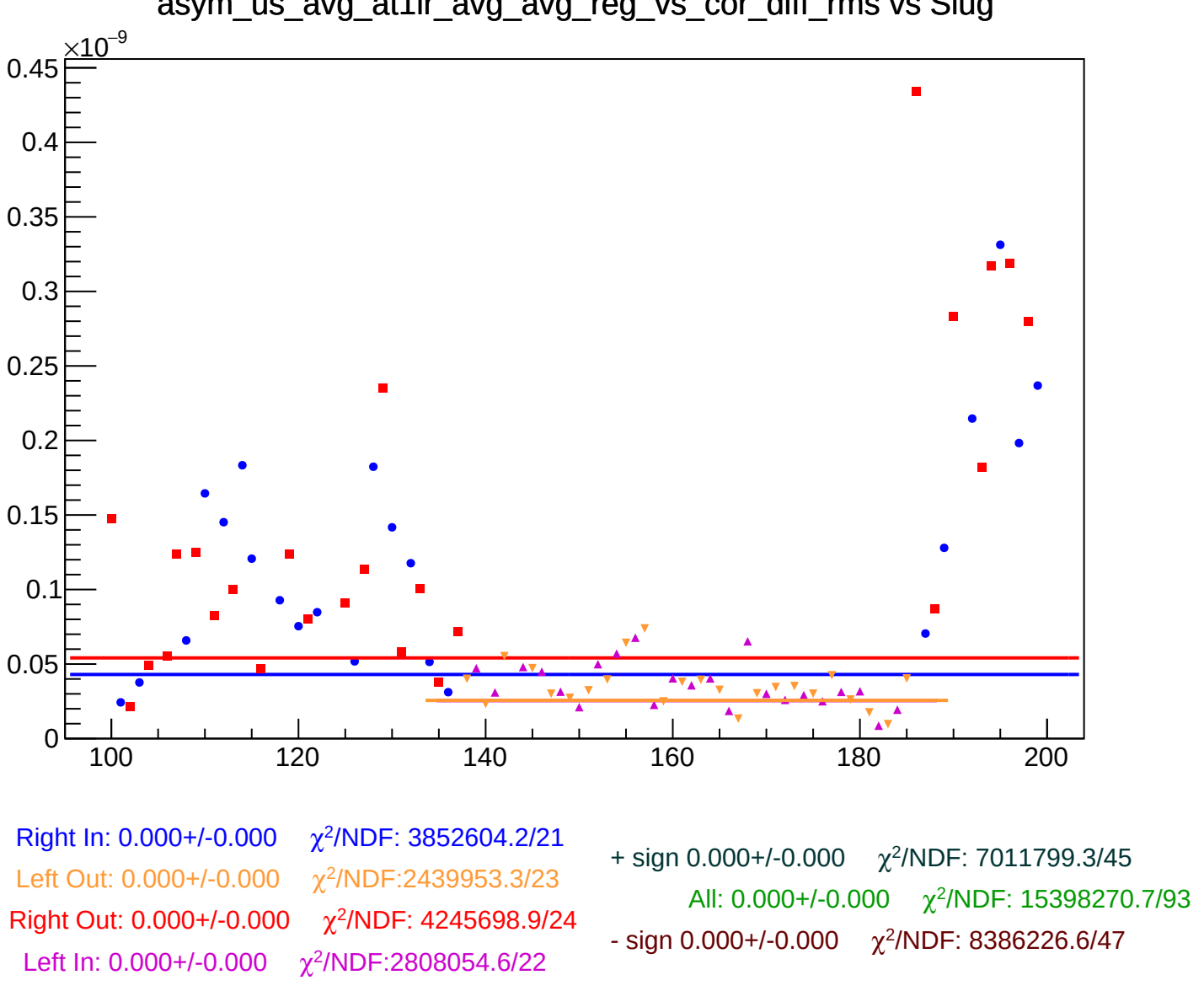
Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/24

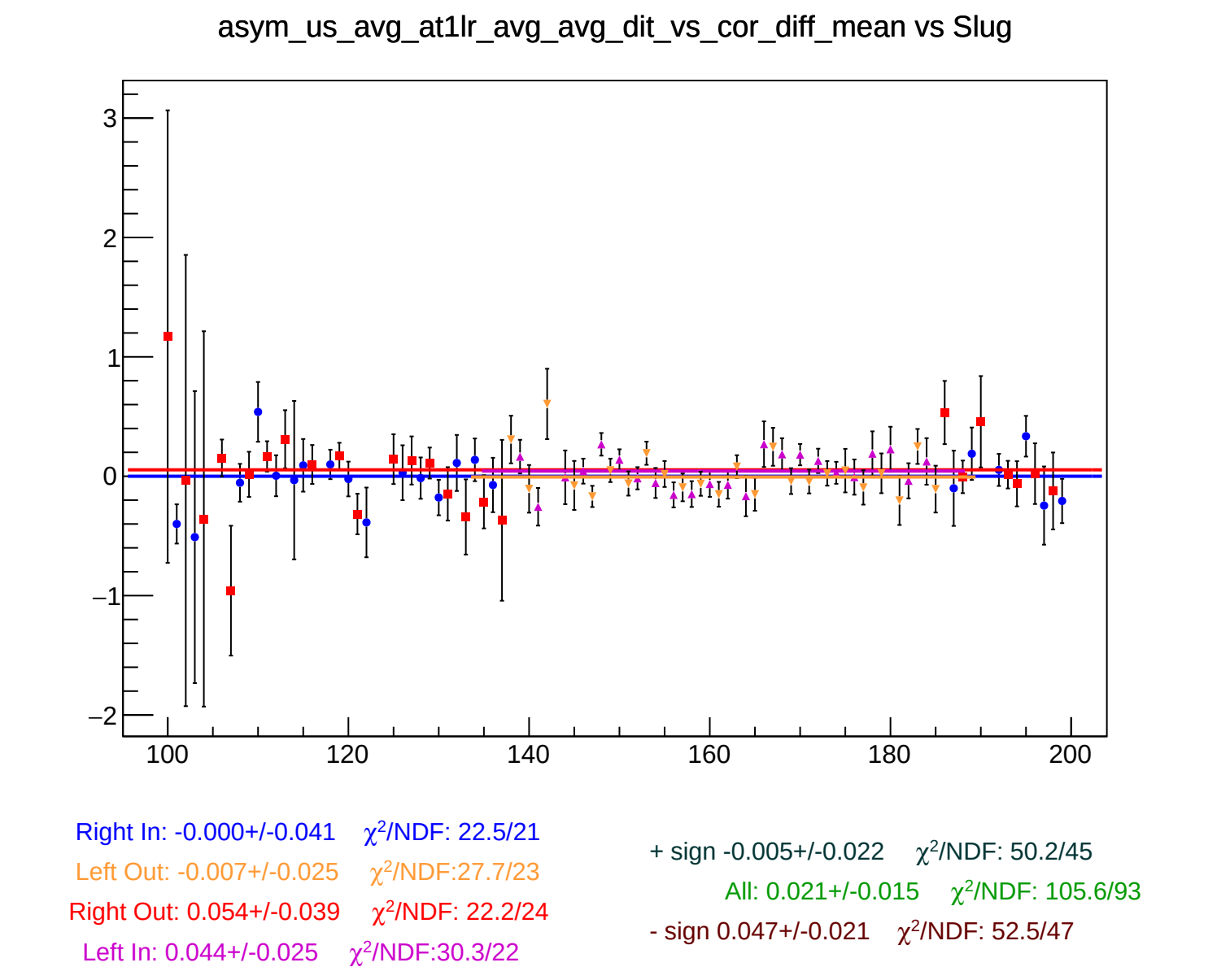
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

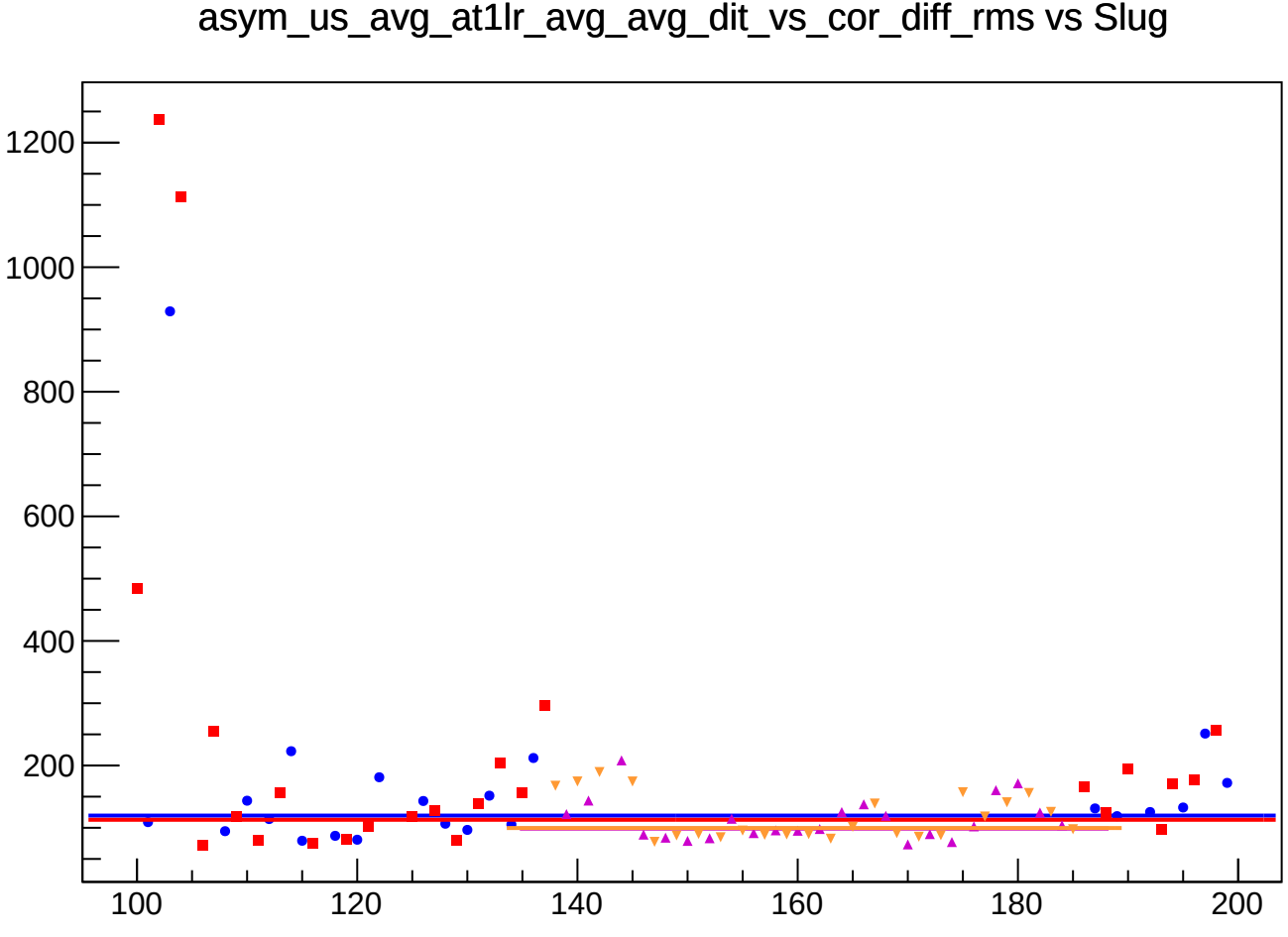
+ sign -0.000+/-0.000 χ^2/NDF: 52.3/45

All: -0.000+/-0.000 χ^2/NDF: 90.8/93

- 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: 3852604.2/21
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: 7011799.3/45
All: 0.000+/-0.000 χ²/NDF: 15398270.7/93
- sign 0.000+/-0.000 χ²/NDF: 8386226.6/47


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.041 χ²/NDF: 22.5/21
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.054+/-0.039 χ²/NDF: 22.2/24
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.005+/-0.022 χ²/NDF: 50.2/45
All: 0.021+/-0.015 χ²/NDF: 105.6/93
- sign 0.047+/-0.021 χ²/NDF: 52.5/47



Right In: 119.601+/-0.029 χ^2/NDF: 2399795.5/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 112.855+/-0.027 χ^2/NDF: 3856034.0/24

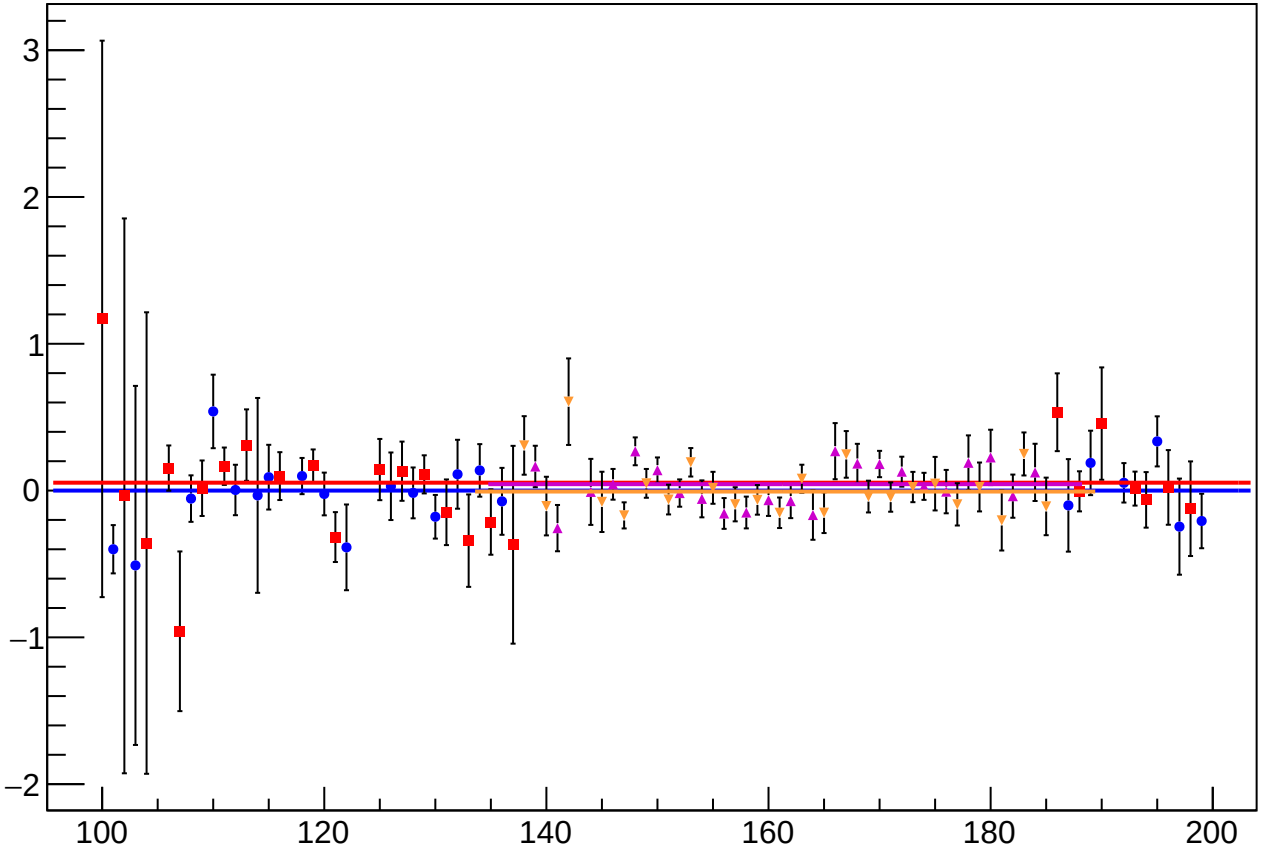
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.148+/-0.015 χ^2/NDF: 4817740.3/45

All: 103.976+/-0.011 χ^2/NDF: 10877901.7/93

- 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: -0.000+/-0.041 χ^2/NDF: 22.5/21

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

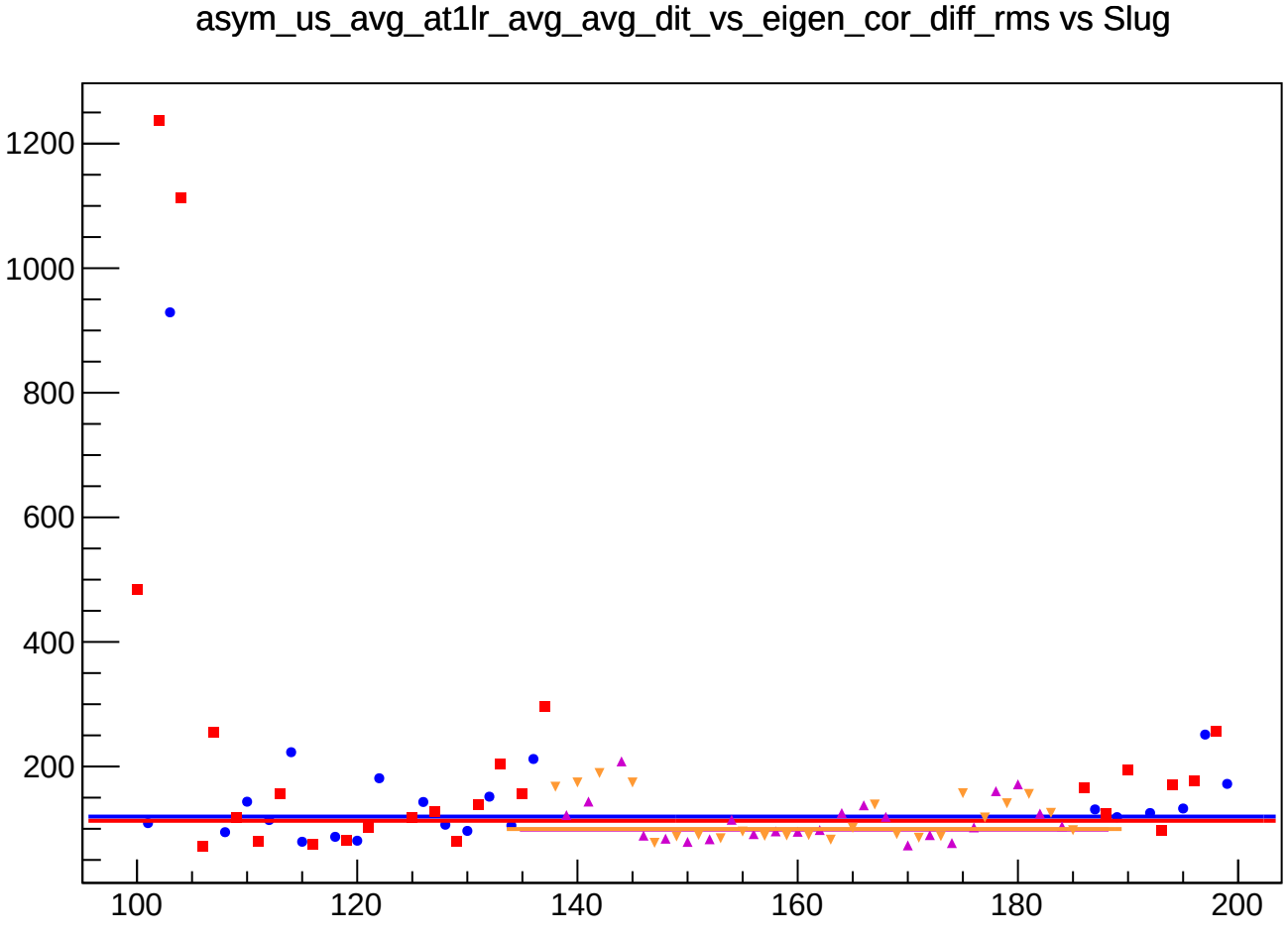
Right Out: 0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.005+/-0.022 χ^2/NDF: 50.2/45

All: 0.021+/-0.015 χ^2/NDF: 105.6/93

- sign 0.047+/-0.021 χ^2/NDF: 52.5/47



Right In: 119.601+/-0.029 χ^2/NDF: 2399795.5/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

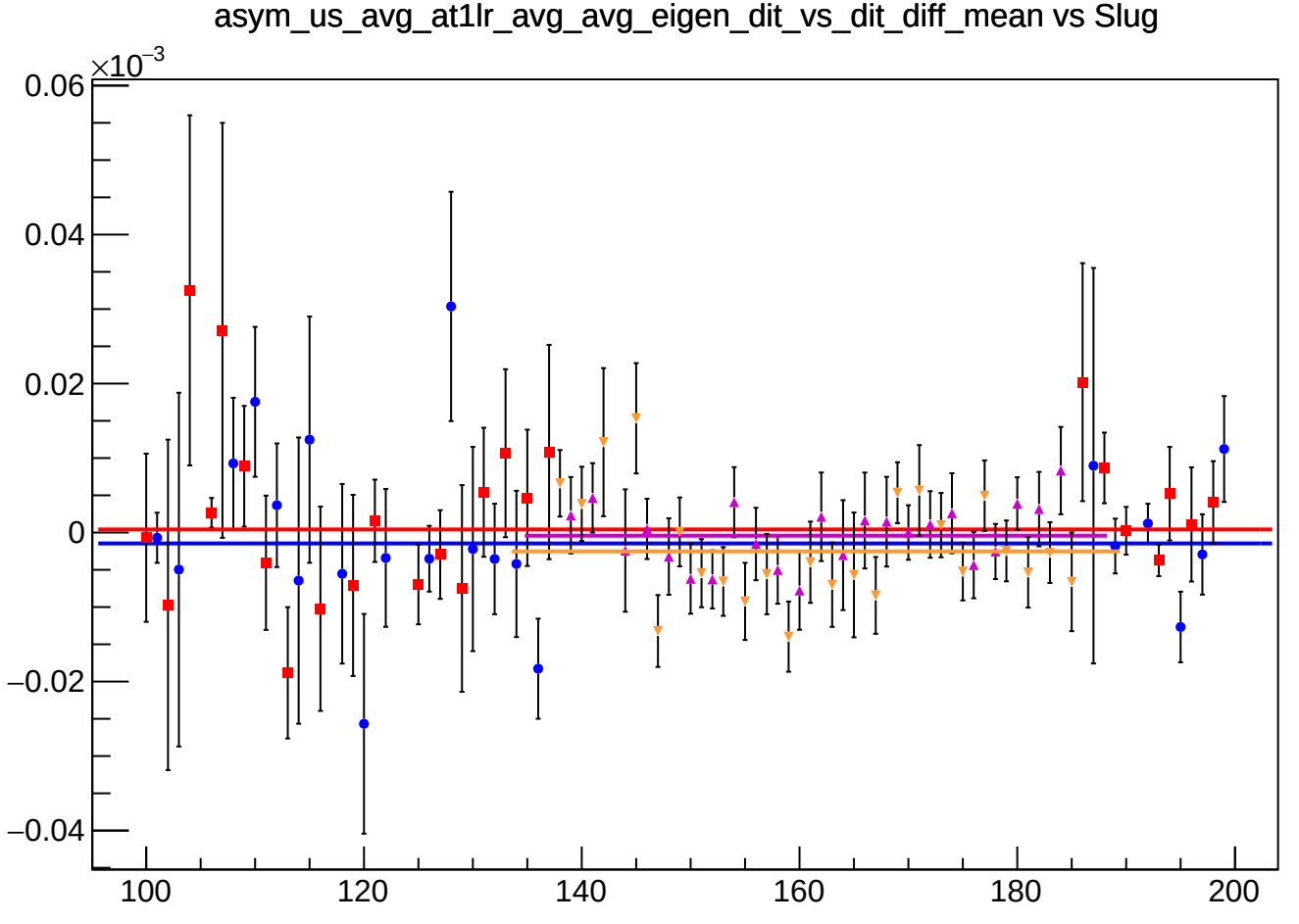
Right Out: 112.855+/-0.027 χ^2/NDF: 3856034.0/24

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.148+/-0.015 χ^2/NDF: 4817740.3/45

All: 103.976+/-0.011 χ^2/NDF: 10877901.7/93

- sign 102.857+/-0.015 χ^2/NDF: 6048569.8/47



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

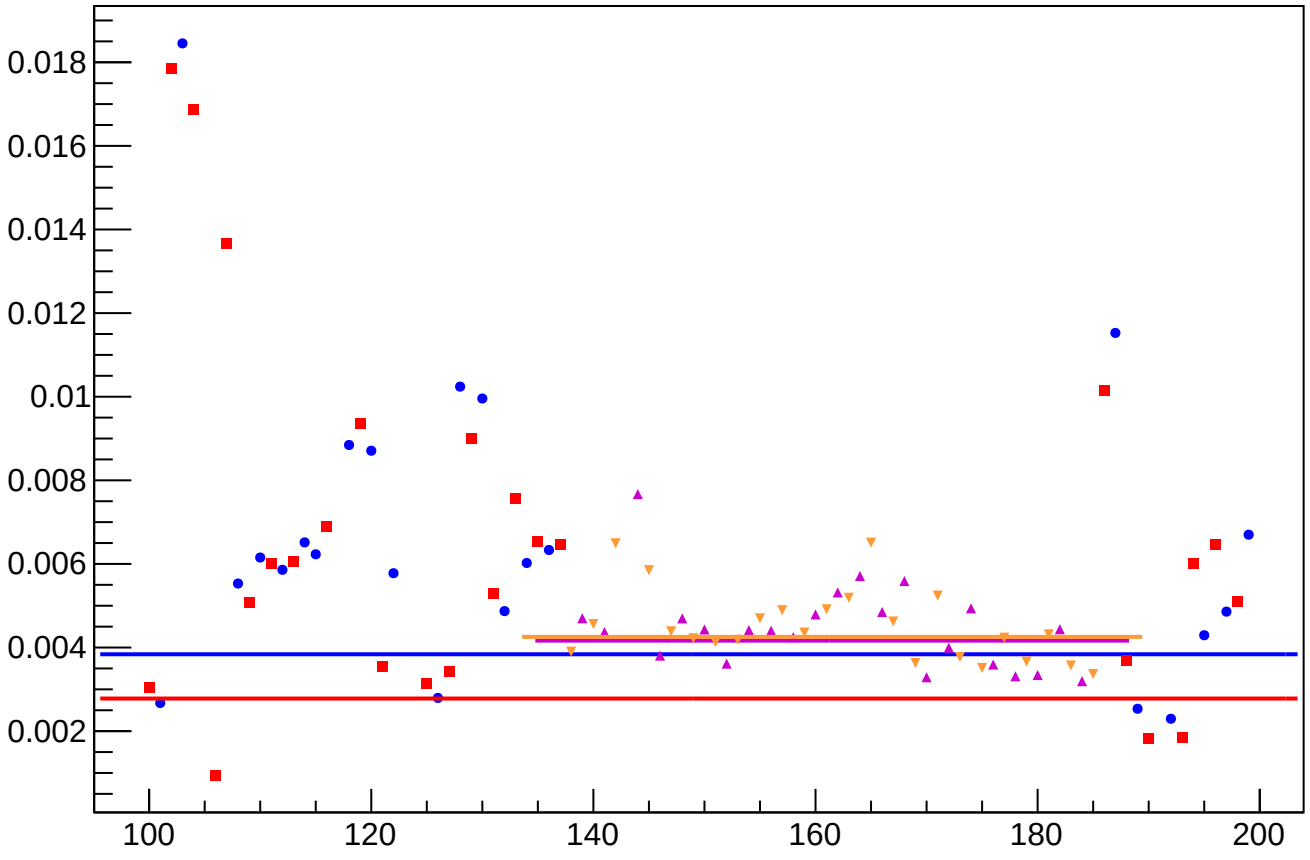
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/24

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.7/45

All: -0.000+/-0.000 χ^2/NDF: 116.0/93

- sign -0.000+/-0.000 χ^2/NDF: 41.5/47



Right In: 0.004+/-0.000 χ^2/NDF: 4814185.5/21

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

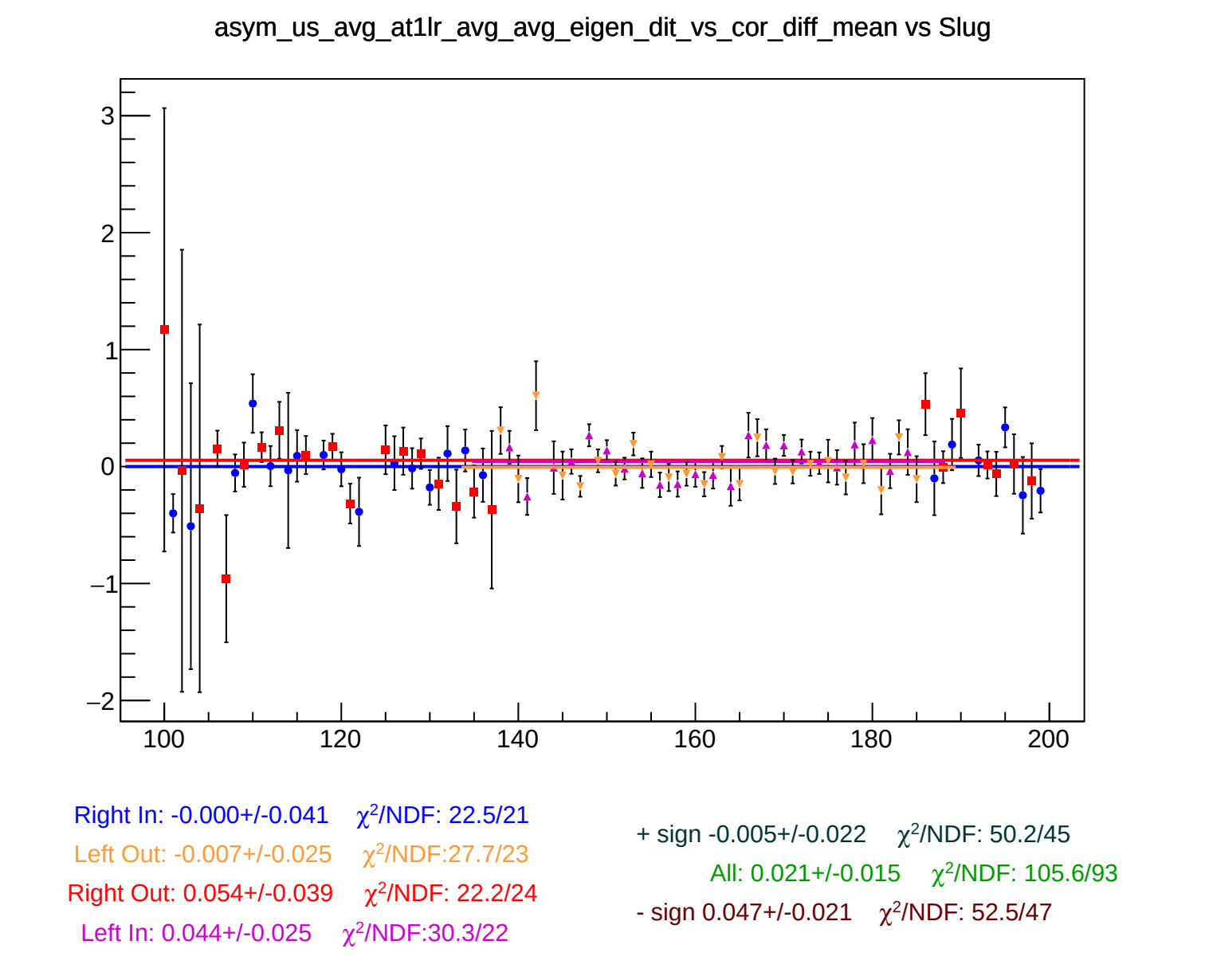
Right Out: 0.003+/-0.000 χ^2/NDF: 9002875.3/24

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 5774234.5/45

All: 0.004+/-0.000 χ^2/NDF: 18474171.4/93

- 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
3
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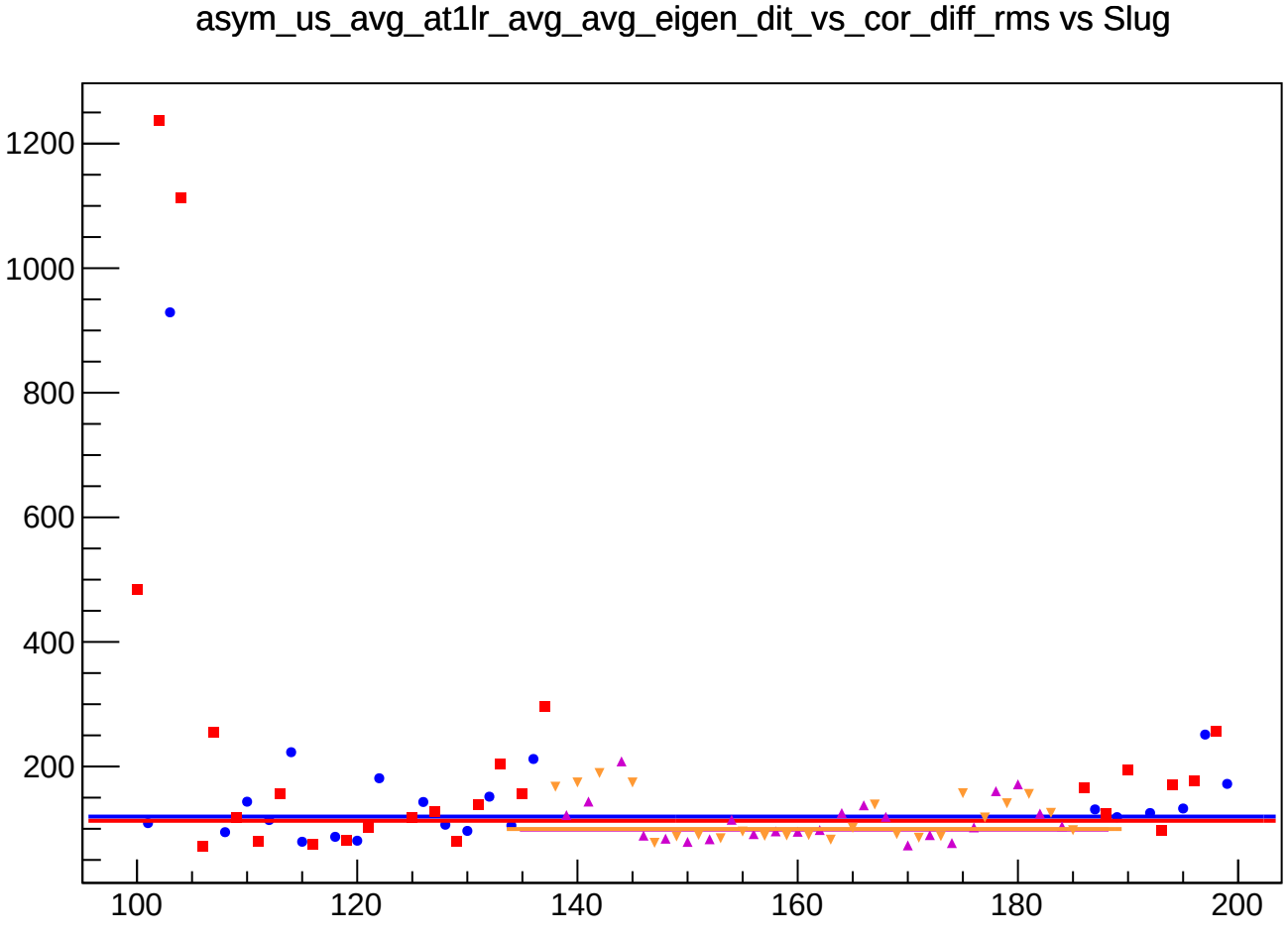
100
120
140
160
180
200
Right In: -0.000+/-0.041 χ²/NDF: 22.5/21
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.054+/-0.039 χ²/NDF: 22.2/24
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.005+/-0.022 χ²/NDF: 50.2/45
All: 0.021+/-0.015 χ²/NDF: 105.6/93
- sign 0.047+/-0.021 χ²/NDF: 52.5/47



Right In: 119.599+/-0.029 χ^2/NDF: 2399882.7/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

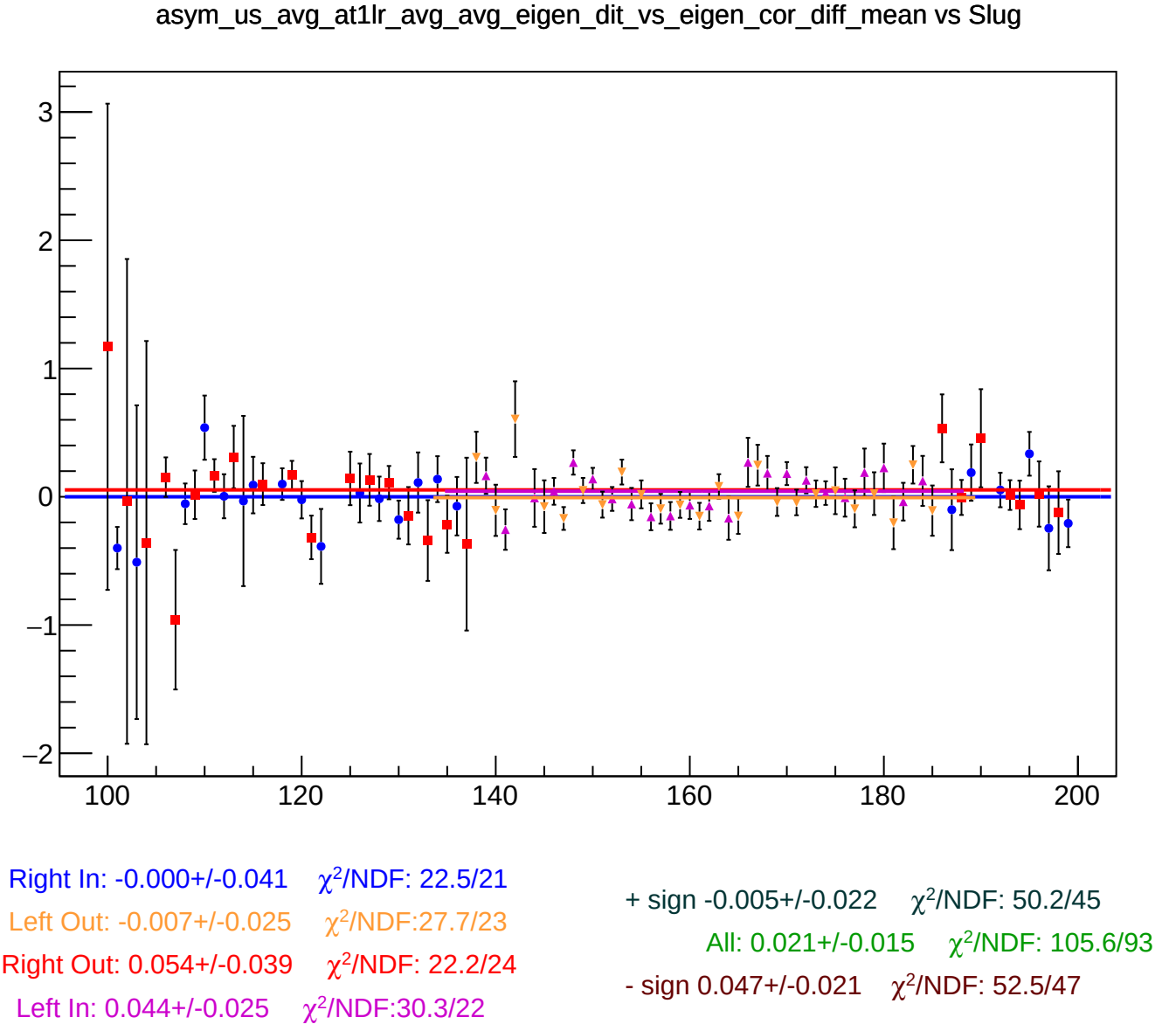
Right Out: 112.854+/-0.027 χ^2/NDF: 3856051.9/24

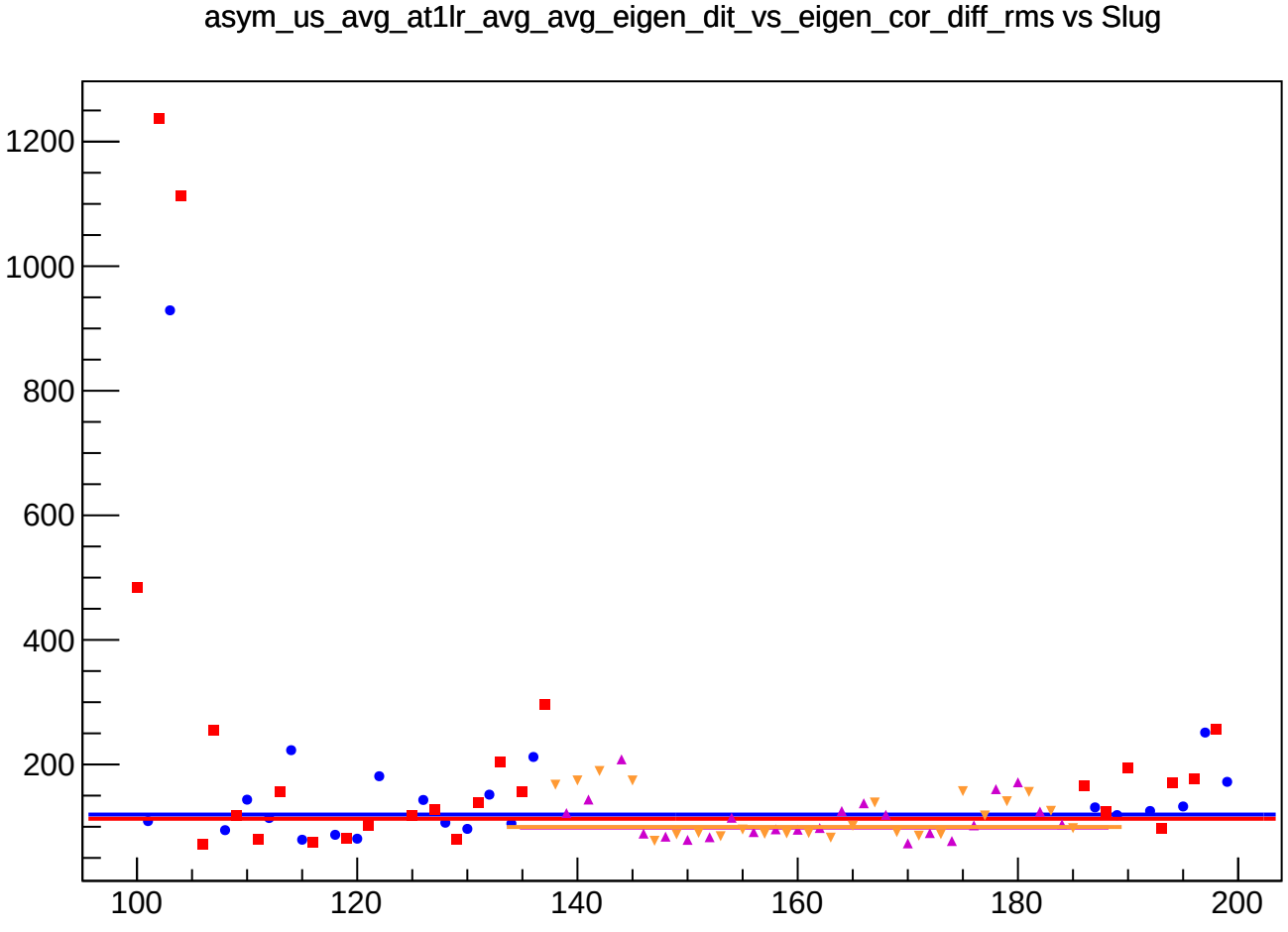
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.148+/-0.015 χ^2/NDF: 4817699.7/45

All: 103.976+/-0.011 χ^2/NDF: 10877806.8/93

- 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
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.041 χ²/NDF: 22.5/21
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.054+/-0.039 χ²/NDF: 22.2/24
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.005+/-0.022 χ²/NDF: 50.2/45
All: 0.021+/-0.015 χ²/NDF: 105.6/93
- sign 0.047+/-0.021 χ²/NDF: 52.5/47



Right In: 119.599+/-0.029 χ^2/NDF: 2399882.7/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

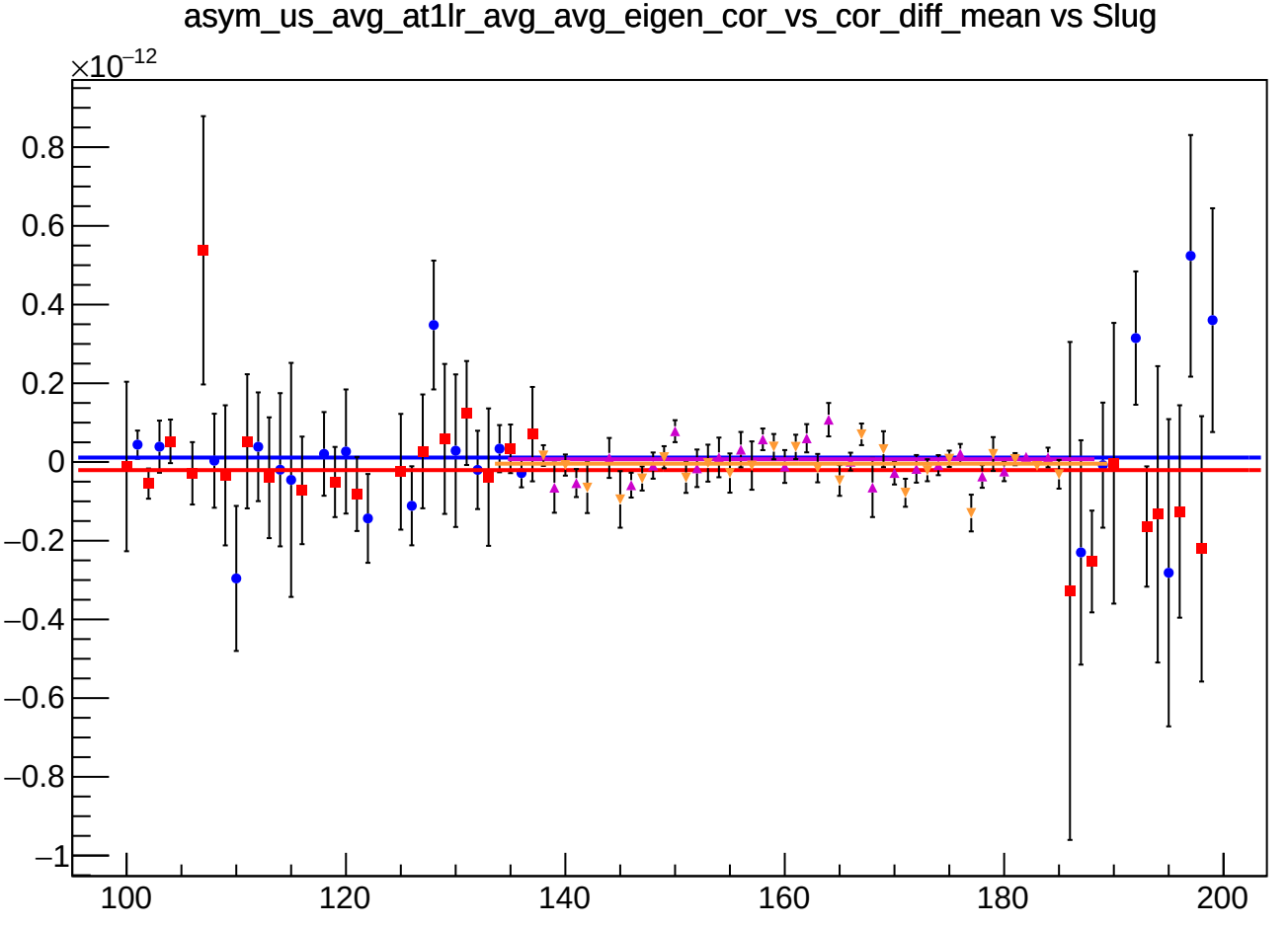
Right Out: 112.854+/-0.027 χ^2/NDF: 3856051.9/24

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.148+/-0.015 χ^2/NDF: 4817699.7/45

All: 103.976+/-0.011 χ^2/NDF: 10877806.8/93

- sign 102.856+/-0.015 χ^2/NDF: 6048514.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

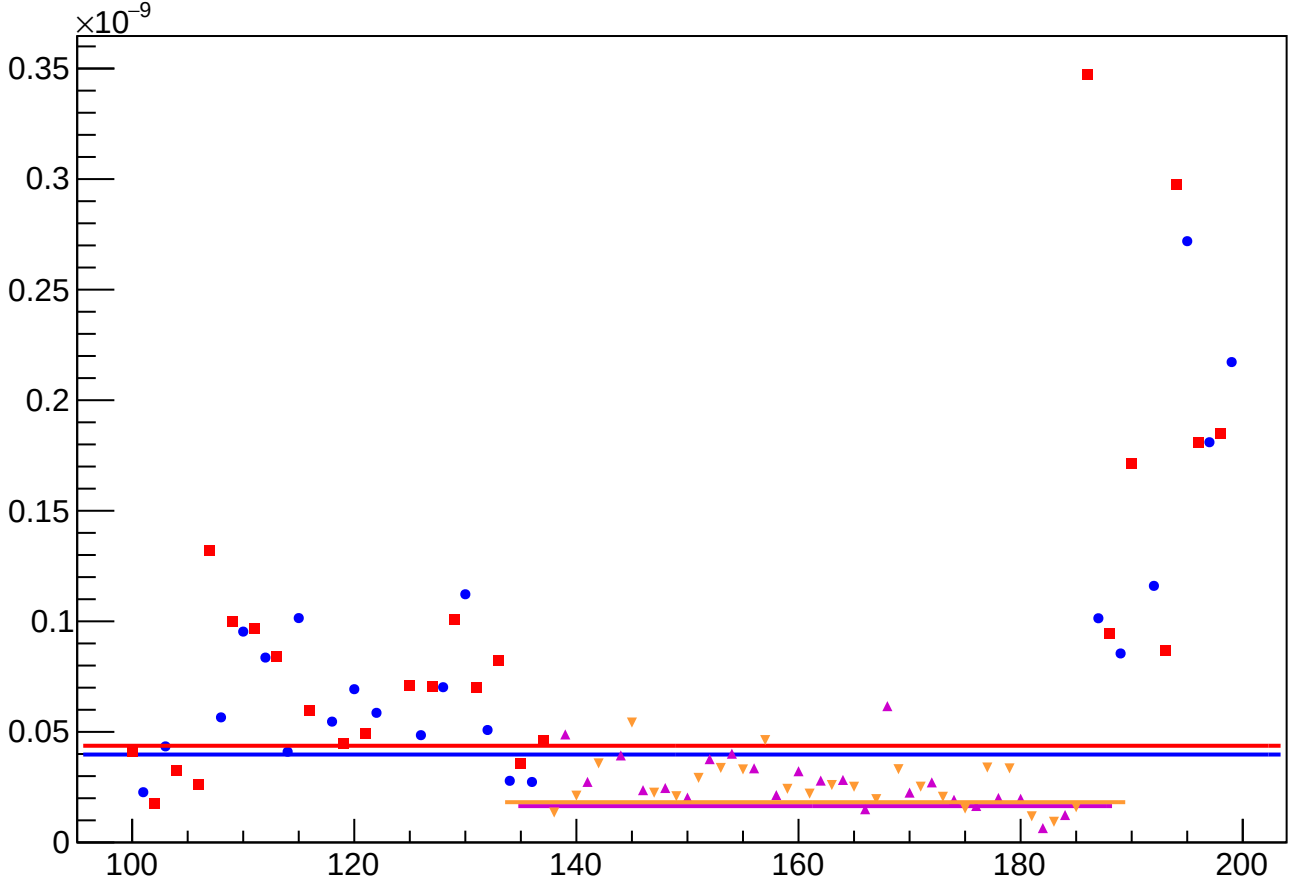
Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/24

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.4/45

All: 0.000+/-0.000 χ^2/NDF: 107.3/93

- sign 0.000+/-0.000 χ^2/NDF: 50.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 4414142.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5282332.5/24

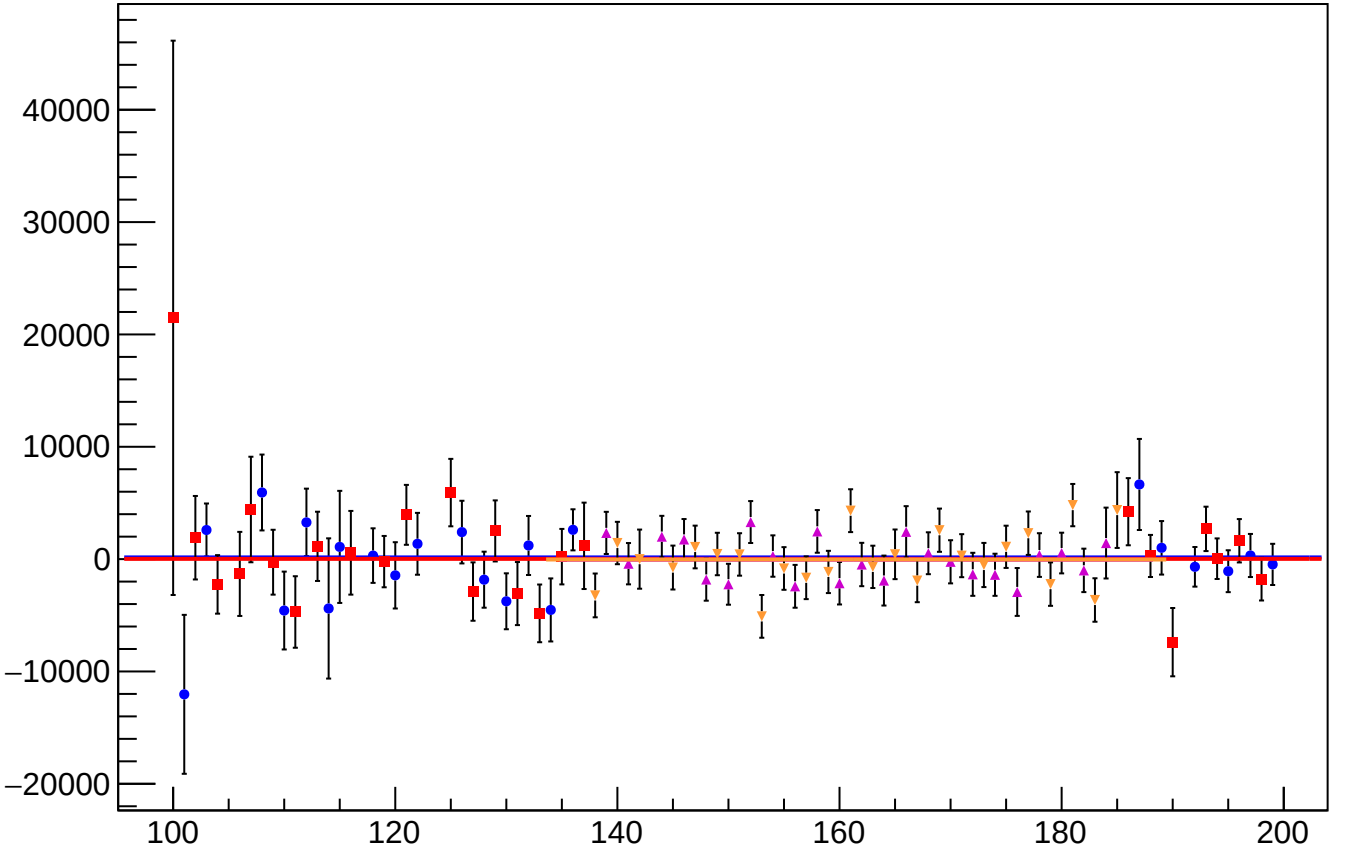
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11125003.8/45

All: 0.000+/-0.000 χ^2/NDF: 26732993.8/93

- sign 0.000+/-0.000 χ^2/NDF: 15479382.4/47

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 151.402+/-542.247 χ^2/NDF: 22.9/21

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 23.590+/-528.205 χ^2/NDF: 29.5/24

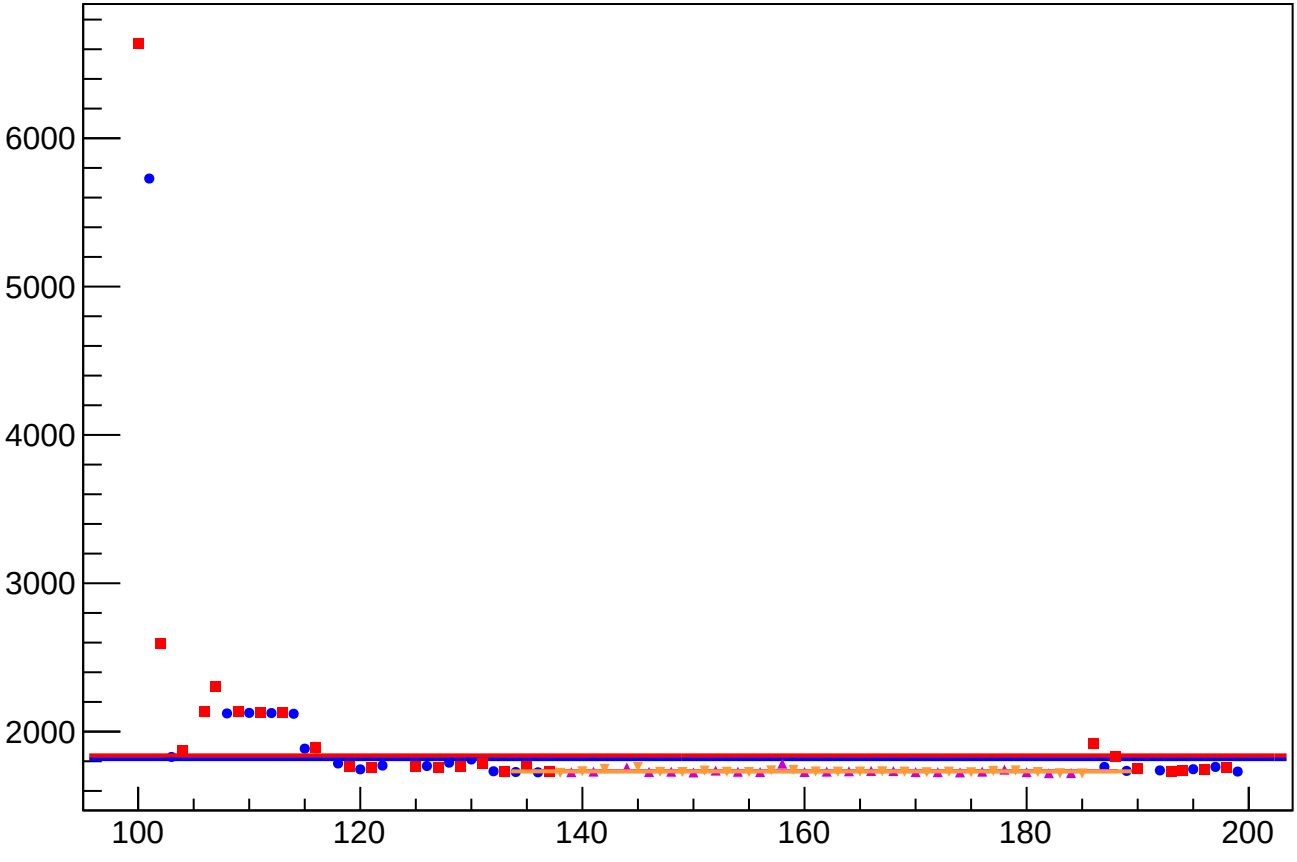
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

\+ sign 31.236+/-322.919 χ^2/NDF: 58.4/45

All: 3.203+/-227.746 χ^2/NDF: 107.3/93

\- sign -24.541+/-321.249 χ^2/NDF: 48.9/47

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.6/21

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

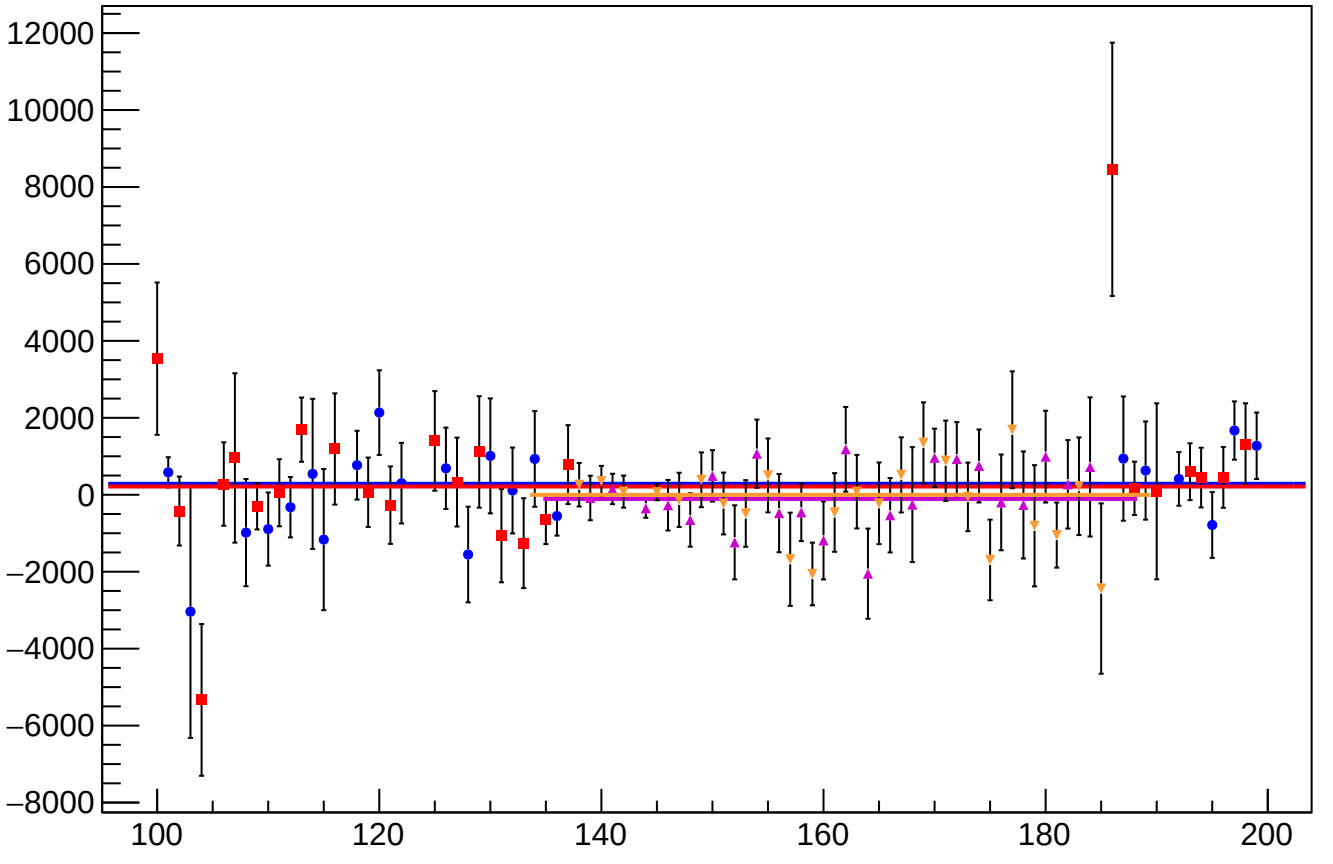
Right Out: 1839.798+/-0.373 χ^2/NDF: 287330.1/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1761.268+/-0.228 χ^2/NDF: 728402.9/45

All: 1767.015+/-0.161 χ^2/NDF: 1070439.2/93

- sign 1772.703+/-0.227 χ^2/NDF: 340775.7/47



Right In: 284.943+/-188.501 χ^2/NDF: 20.4/21

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: 214.421+/-196.216 χ^2/NDF: 29.8/24

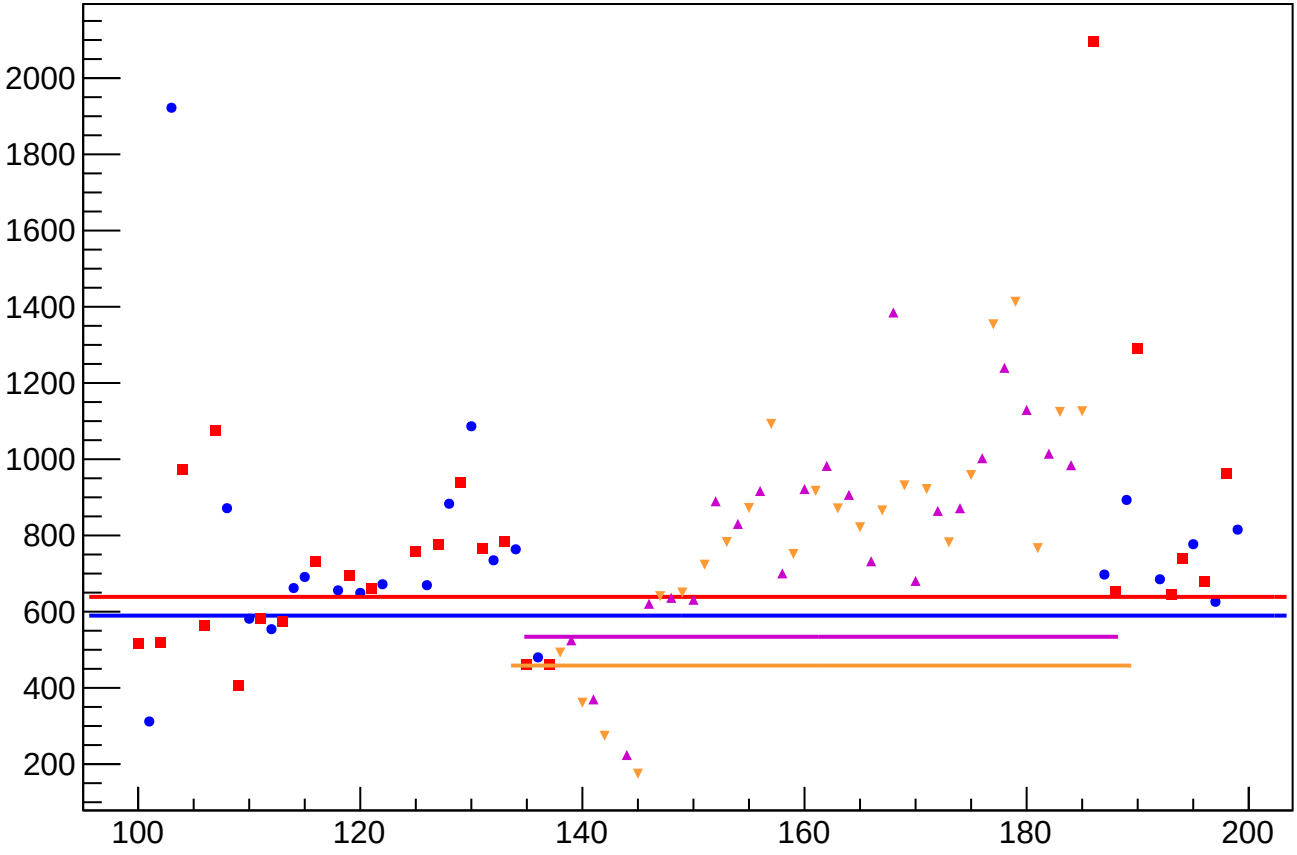
Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 90.262+/-107.047 χ^2/NDF: 42.2/45

All: 50.449+/-78.585 χ^2/NDF: 91.1/93

- sign 3.913+/-115.732 χ^2/NDF: 48.5/47

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 589.639+/-0.133 χ^2/NDF: 2356660.2/21

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 638.841+/-0.139 χ^2/NDF: 1702227.7/24

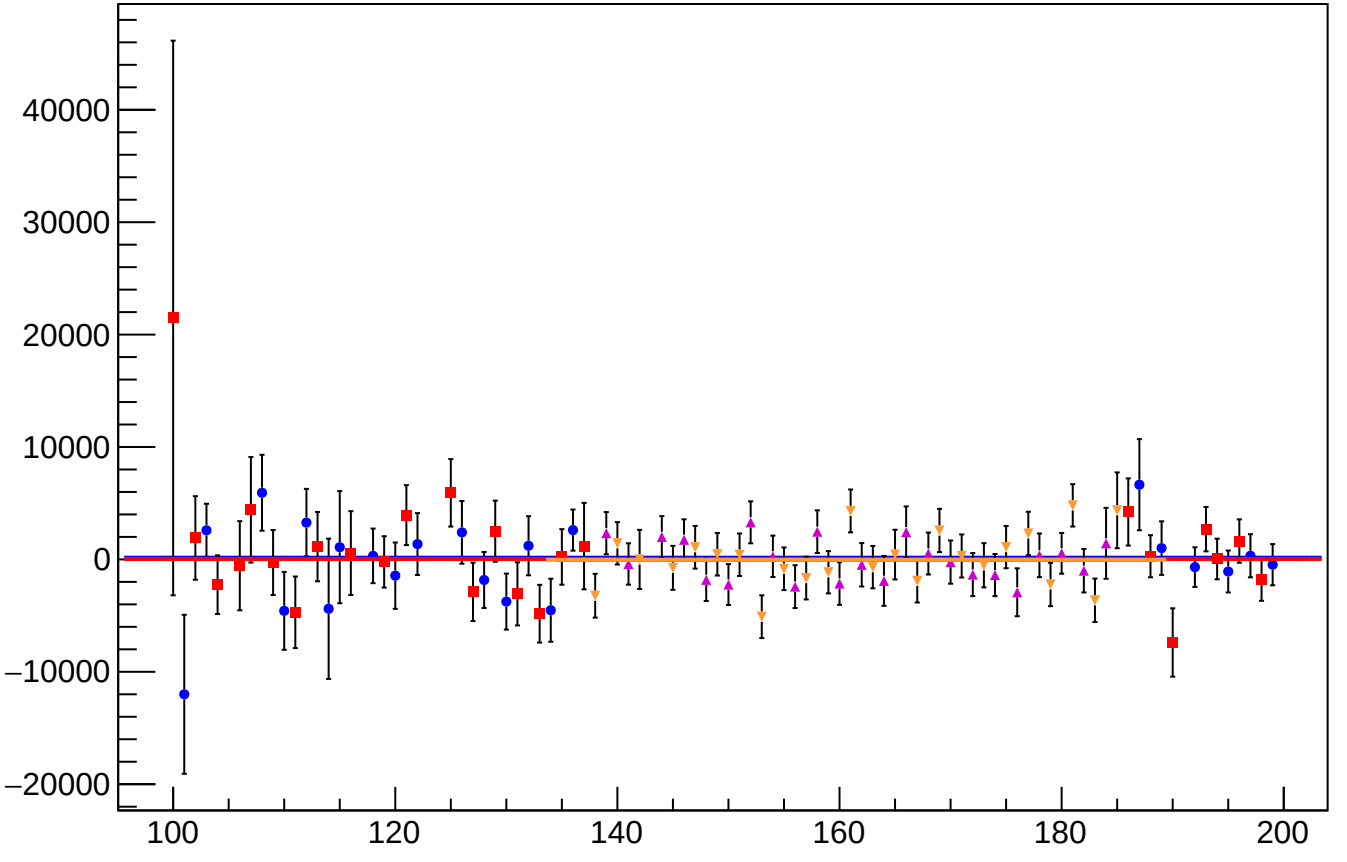
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 500.845+/-0.076 χ^2/NDF: 14438413.1/45

All: 532.996+/-0.056 χ^2/NDF: 25346449.5/93

- sign 570.577+/-0.082 χ^2/NDF: 10516722.7/47

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 151.431+/-542.247 χ^2/NDF: 22.9/21

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 40.049+/-528.779 χ^2/NDF: 29.4/24

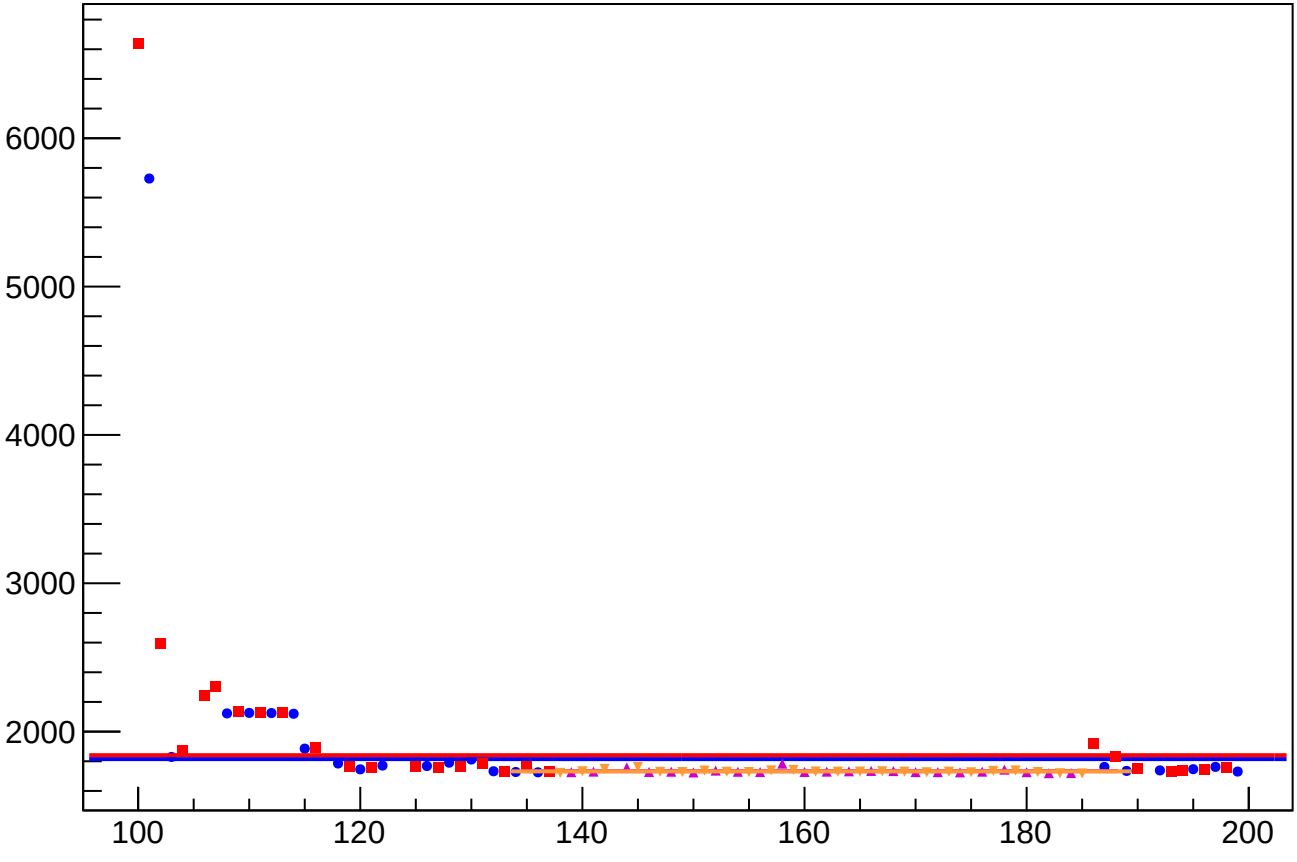
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

\+ sign 31.283+/-322.919 χ^2/NDF: 58.4/45

All: 6.299+/-227.792 χ^2/NDF: 107.2/93

\- sign -18.448+/-321.378 χ^2/NDF: 48.8/47

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.5/21

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

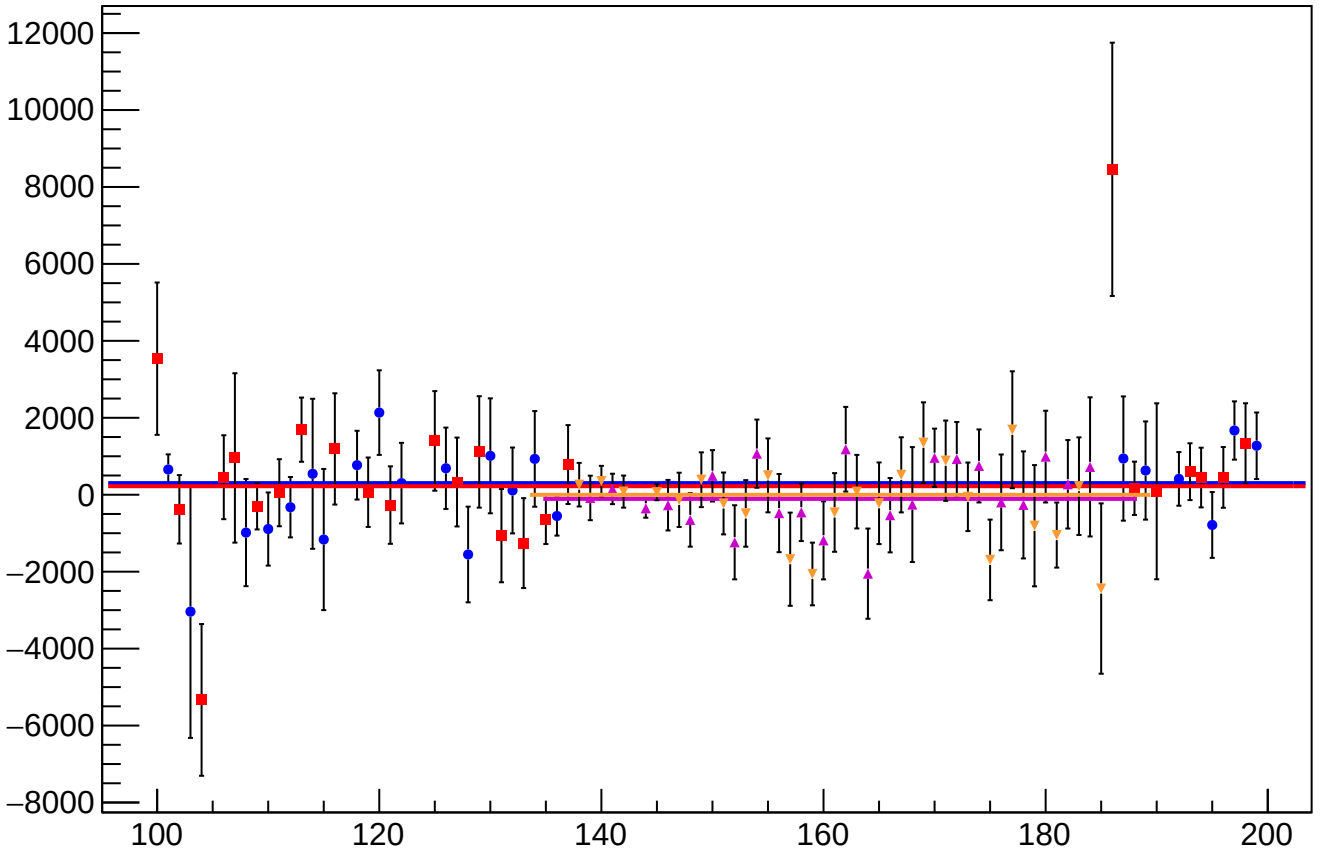
Right Out: 1841.023+/-0.374 χ^2/NDF: 295290.6/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1761.268+/-0.228 χ^2/NDF: 728402.7/45

All: 1767.213+/-0.161 χ^2/NDF: 1079601.3/93

- sign 1773.101+/-0.227 χ^2/NDF: 349849.2/47



Right In: 301.972+/-188.454 χ^2/NDF: 20.7/21

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

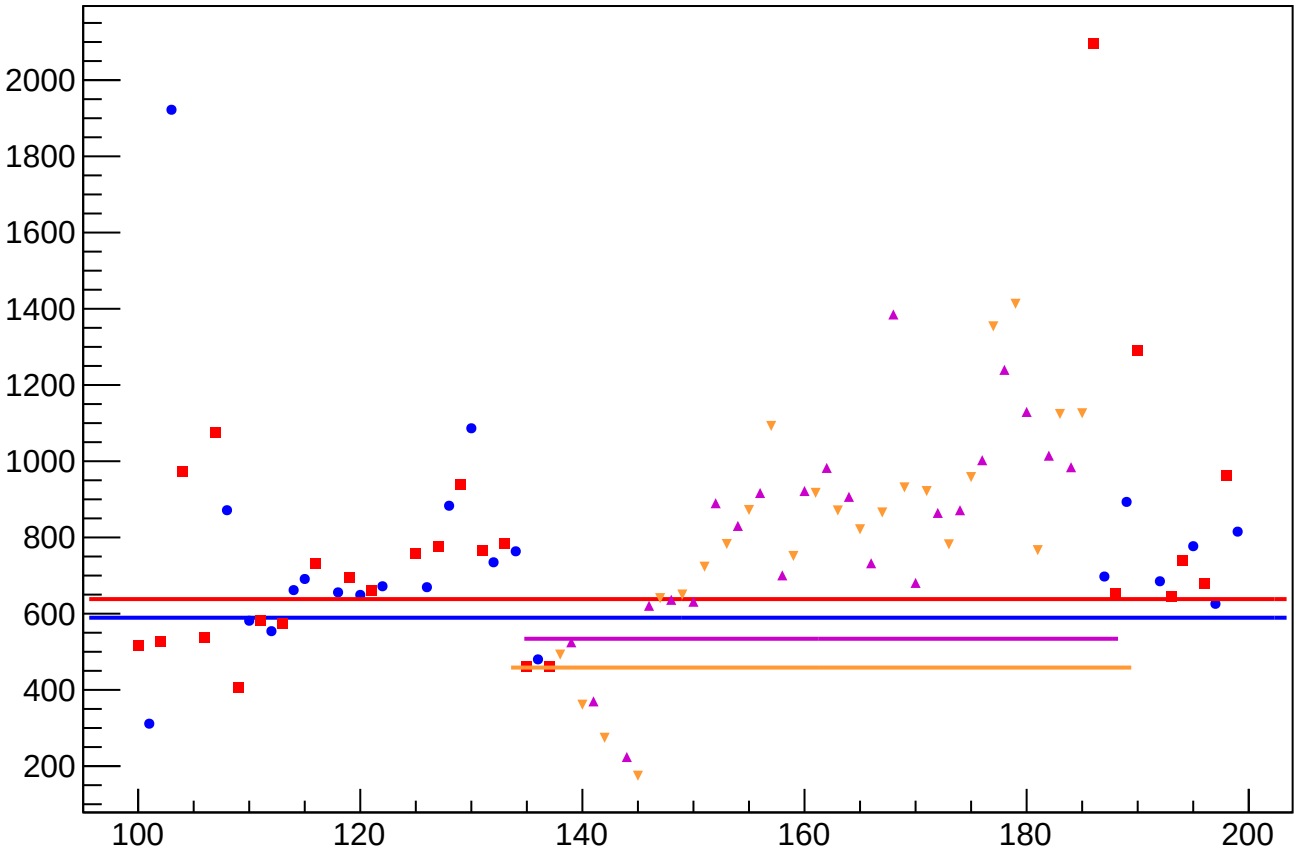
Right Out: 221.804+/-196.185 χ^2/NDF: 29.7/24

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 95.706+/-107.039 χ^2/NDF: 42.7/45

All: 54.587+/-78.580 χ^2/NDF: 91.6/93

- sign 6.525+/-115.726 χ^2/NDF: 48.6/47



Right In: 589.385+/-0.133 χ^2/NDF: 2362420.8/21

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 638.243+/-0.139 χ^2/NDF: 1706536.7/24

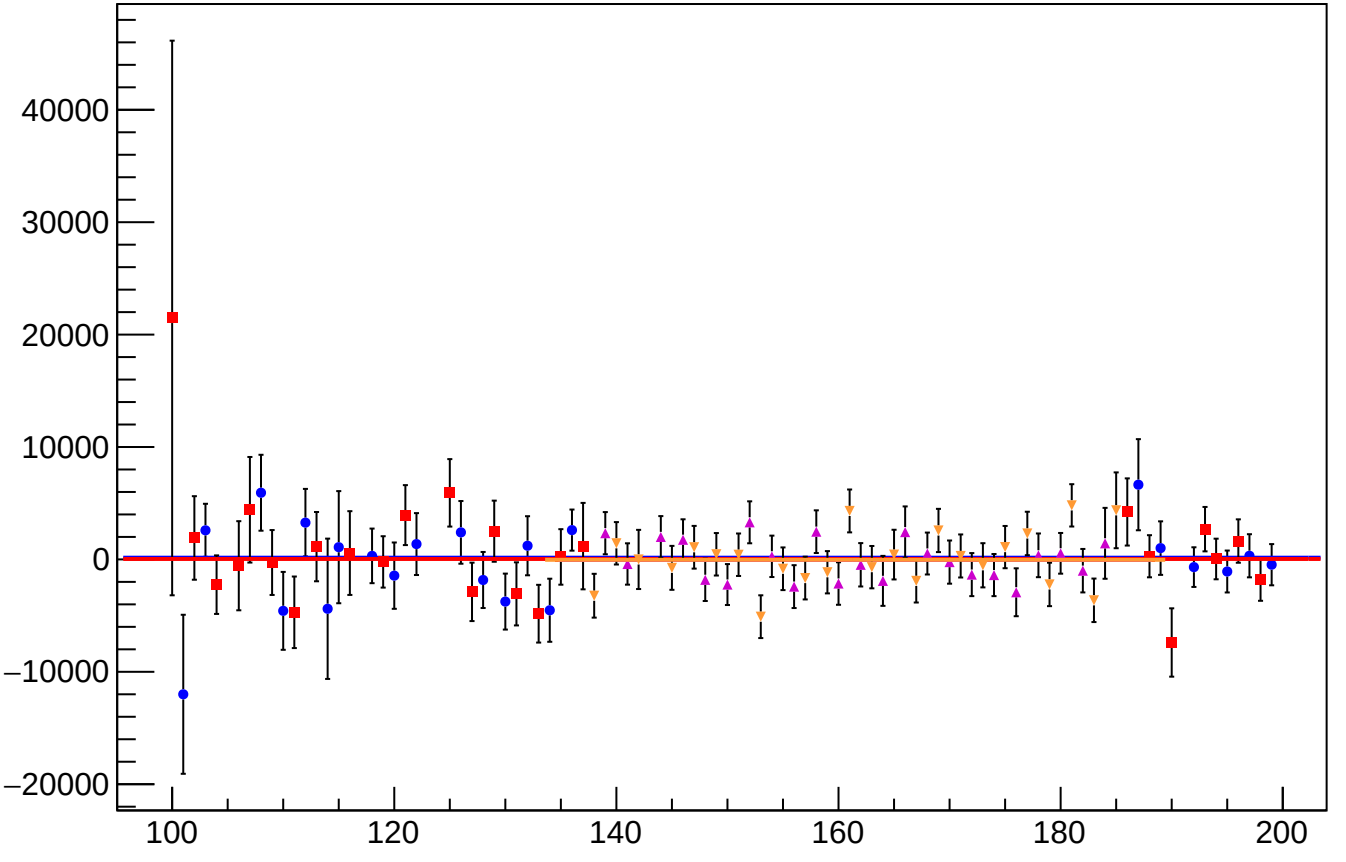
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 500.785+/-0.076 χ^2/NDF: 14441339.4/45

All: 532.874+/-0.056 χ^2/NDF: 25347521.0/93

- sign 570.382+/-0.082 χ^2/NDF: 10516341.8/47

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 151.431+/-542.247 χ^2/NDF: 22.9/21

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 40.049+/-528.779 χ^2/NDF: 29.4/24

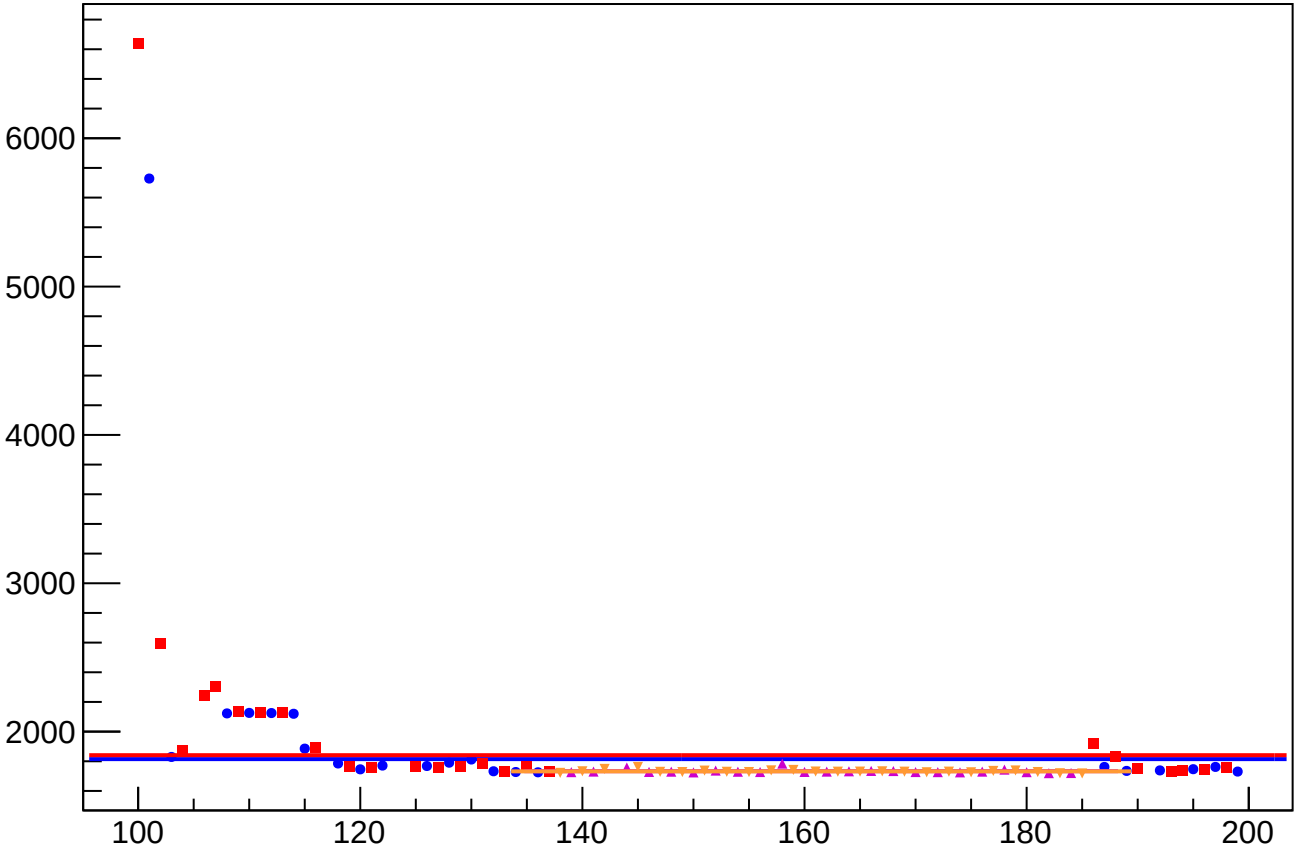
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 31.283+/-322.919 χ^2/NDF: 58.4/45

All: 6.299+/-227.792 χ^2/NDF: 107.2/93

- sign -18.448+/-321.378 χ^2/NDF: 48.8/47

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.5/21

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

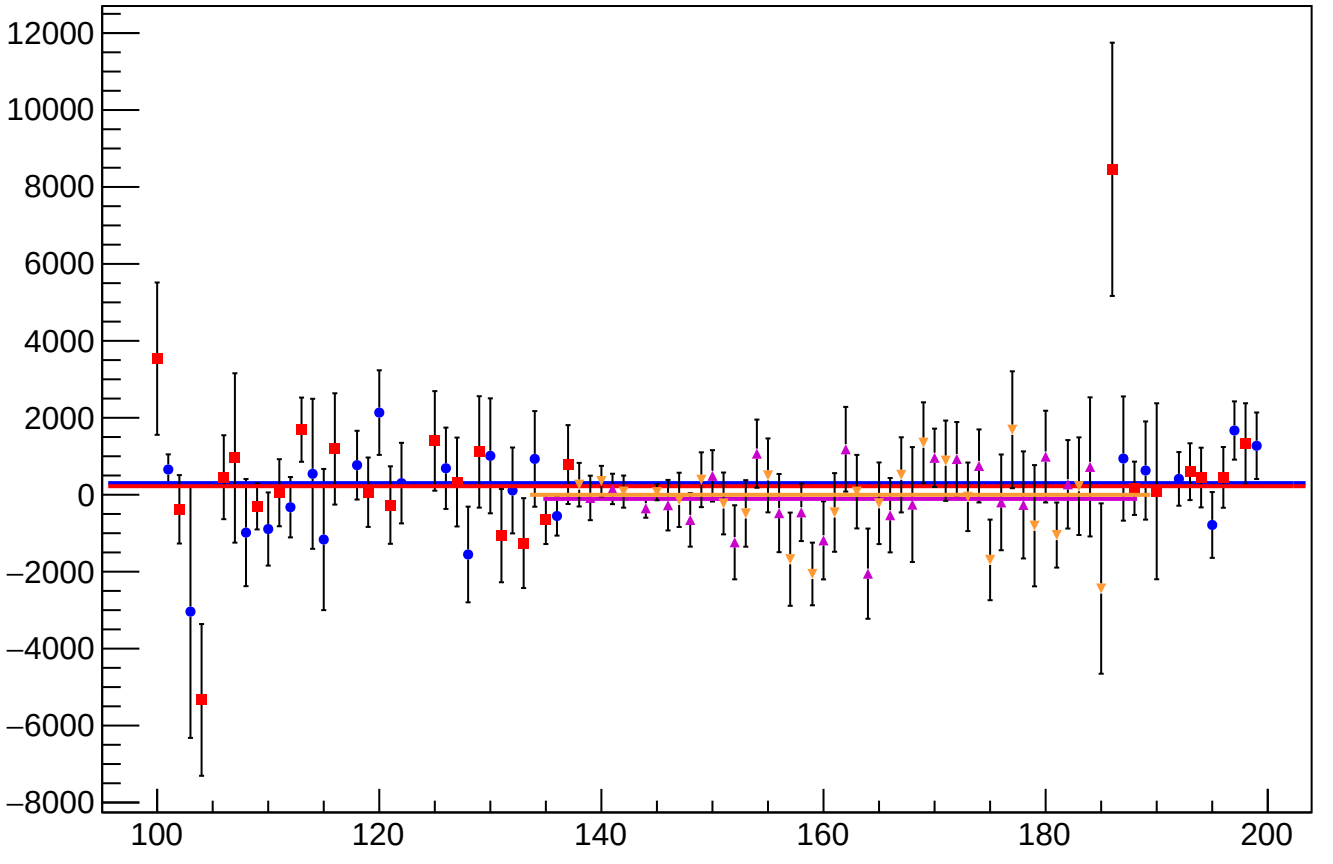
Right Out: 1841.023+/-0.374 χ^2/NDF: 295290.6/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1761.268+/-0.228 χ^2/NDF: 728402.7/45

All: 1767.213+/-0.161 χ^2/NDF: 1079601.3/93

- sign 1773.101+/-0.227 χ^2/NDF: 349849.2/47



Right In: 301.972+/-188.454 χ^2/NDF: 20.7/21

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

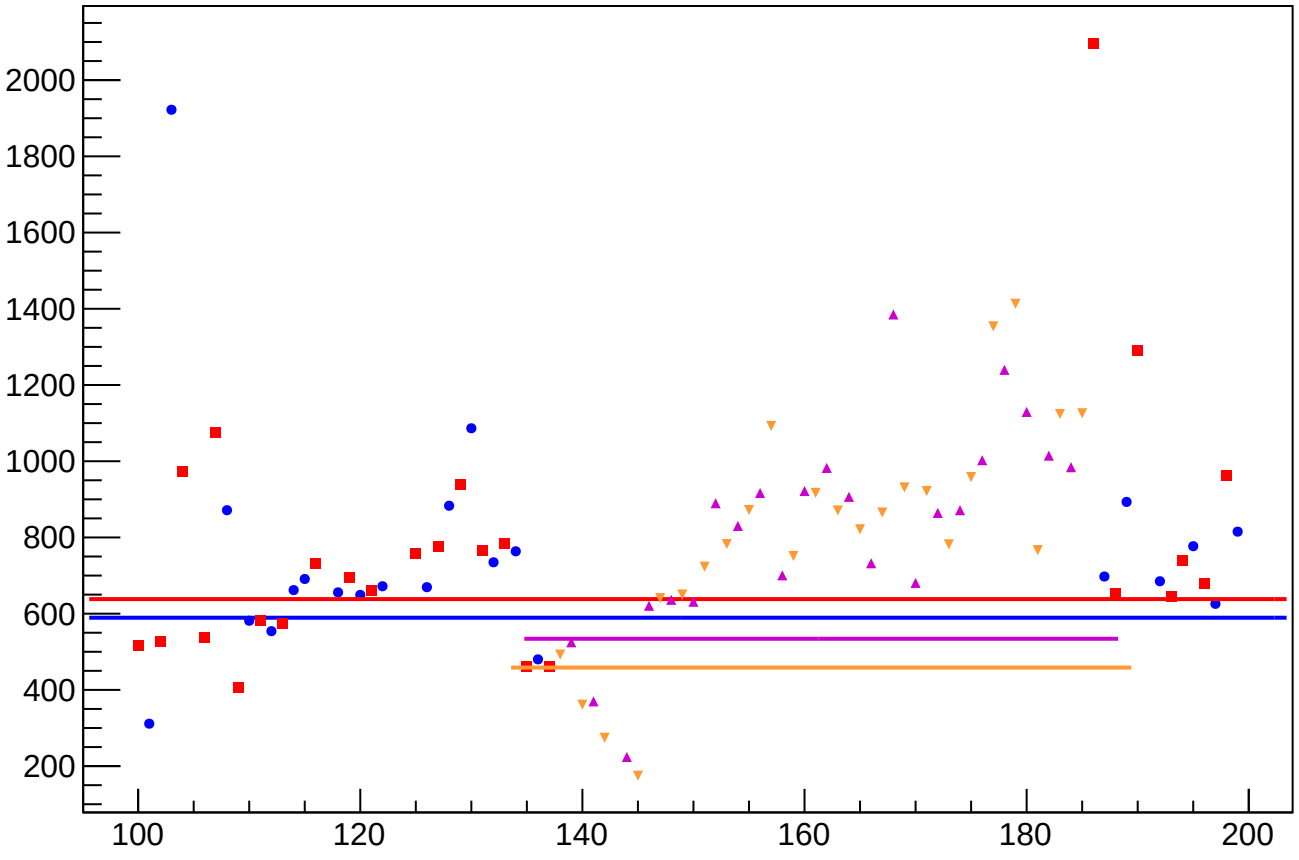
Right Out: 221.804+/-196.185 χ^2/NDF: 29.7/24

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 95.706+/-107.039 χ^2/NDF: 42.7/45

All: 54.587+/-78.580 χ^2/NDF: 91.6/93

- sign 6.525+/-115.726 χ^2/NDF: 48.6/47



Right In: 589.385+/-0.133 χ^2/NDF: 2362420.8/21

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 638.243+/-0.139 χ^2/NDF: 1706536.7/24

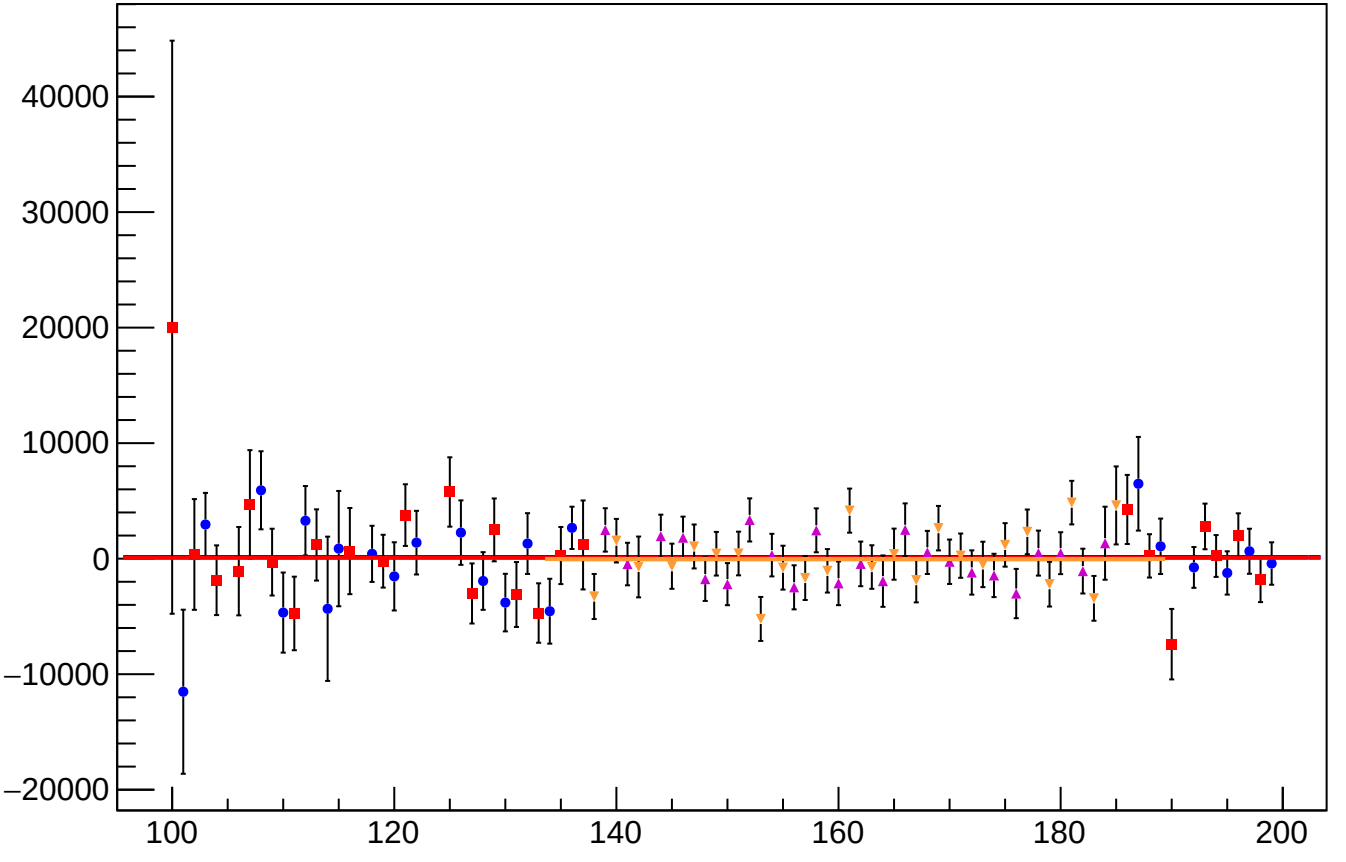
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 500.785+/-0.076 χ^2/NDF: 14441339.4/45

All: 532.874+/-0.056 χ^2/NDF: 25347521.0/93

- sign 570.382+/-0.082 χ^2/NDF: 10516341.8/47

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 140.096+/-547.518 χ^2/NDF: 23.0/21

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 68.429+/-534.763 χ^2/NDF: 28.9/24

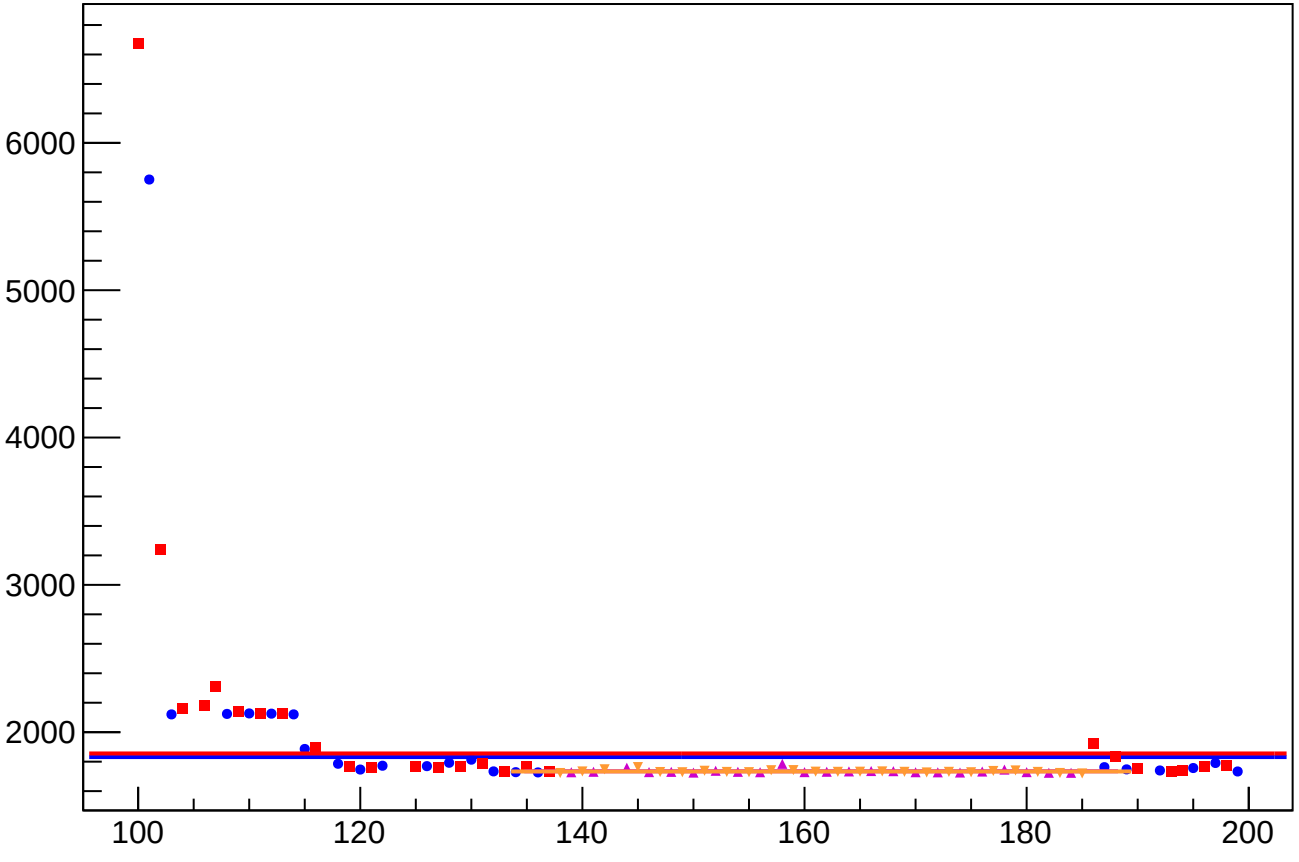
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 30.036+/-324.204 χ^2/NDF: 58.5/45

All: 13.934+/-228.779 χ^2/NDF: 107.3/93

- sign -2.037+/-322.884 χ^2/NDF: 48.8/47

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1831.231+/-0.387 χ^2/NDF: 719611.9/21

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

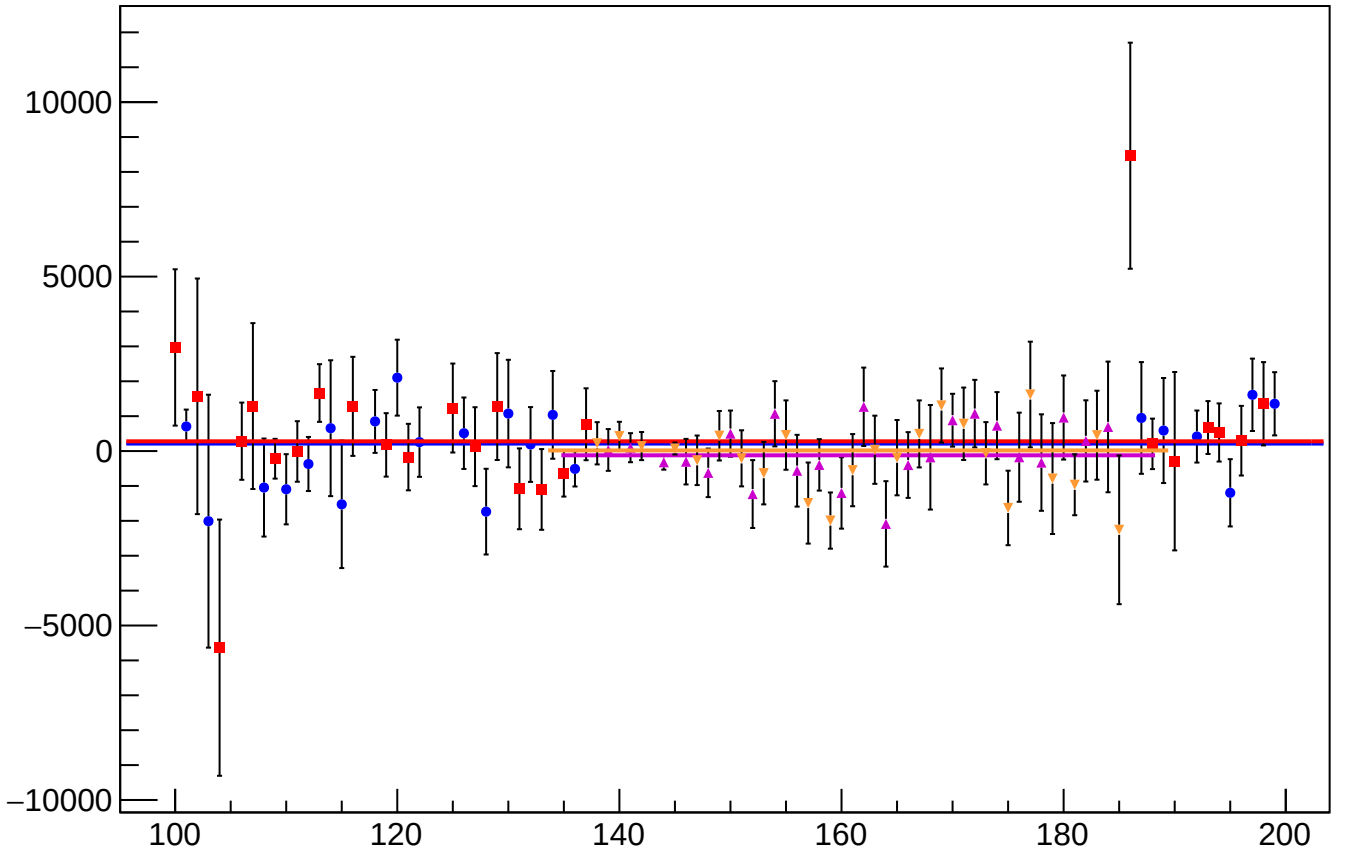
Right Out: 1855.649+/-0.378 χ^2/NDF: 394974.9/24

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1767.753+/-0.229 χ^2/NDF: 761911.9/45

All: 1773.331+/-0.162 χ^2/NDF: 1225134.6/93

- sign 1778.863+/-0.228 χ^2/NDF: 462043.4/47



Right In: 214.629+/-202.115 χ^2/NDF: 20.3/21

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

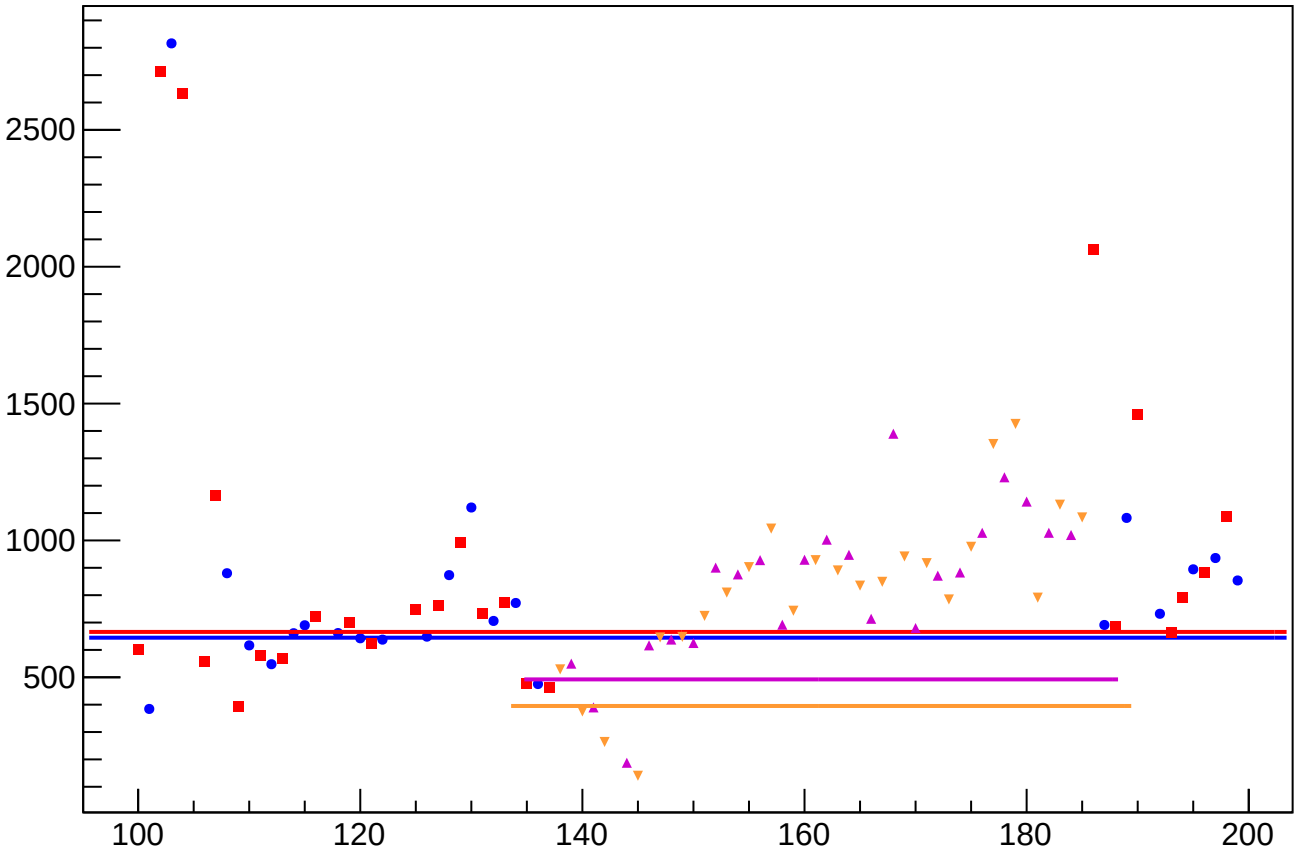
Right Out: 279.290+/-205.933 χ^2/NDF: 22.3/24

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 68.846+/-102.759 χ^2/NDF: 40.4/45

All: 38.703+/-76.373 χ^2/NDF: 82.0/93

- sign 1.505+/-114.151 χ^2/NDF: 41.4/47



Right In: 644.684+/-0.143 χ^2/NDF: 2495912.7/21

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

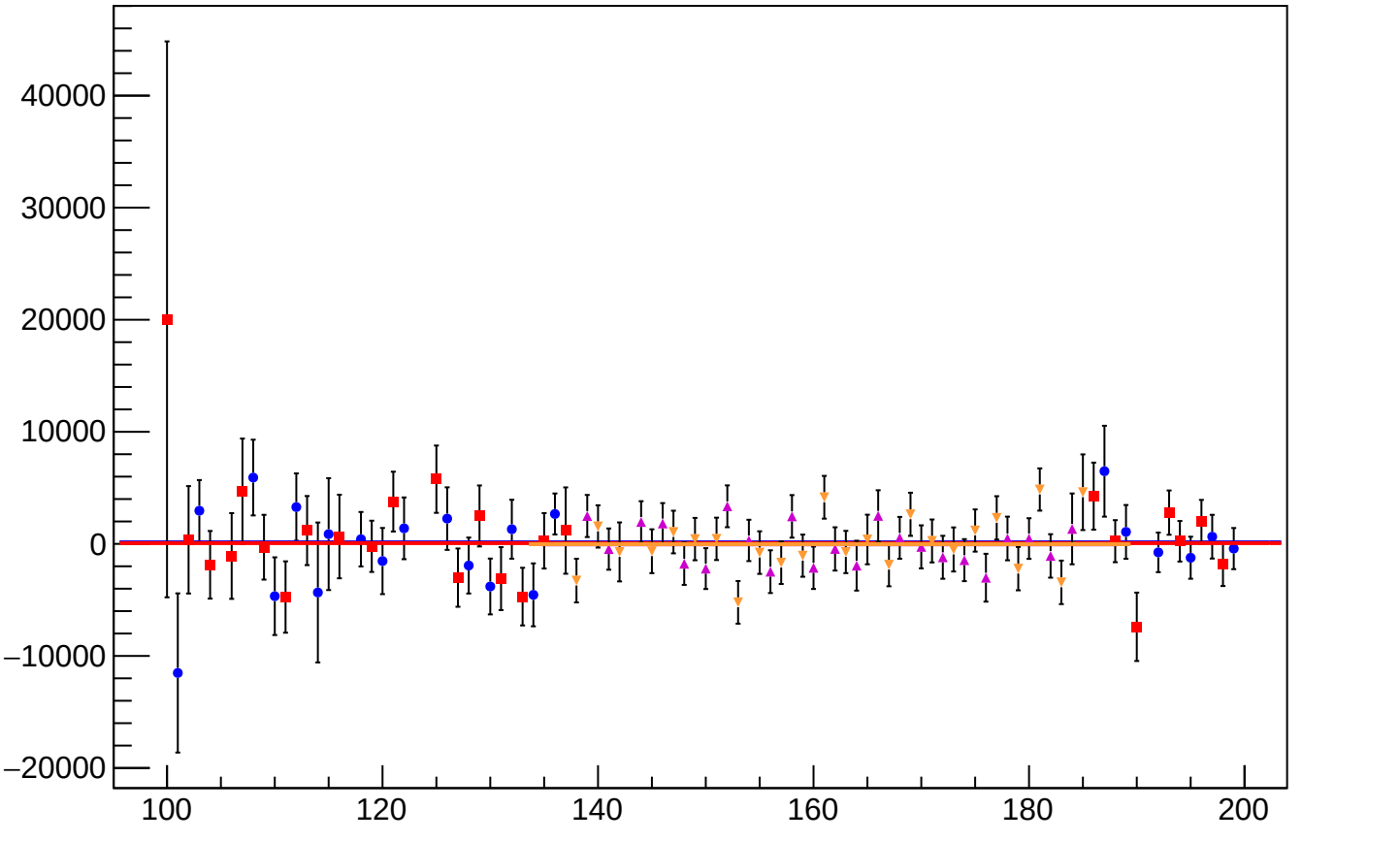
Right Out: 665.752+/-0.146 χ^2/NDF: 3271475.4/24

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 459.680+/-0.073 χ^2/NDF: 19090162.2/45

All: 498.136+/-0.054 χ^2/NDF: 34389849.3/93

- sign 545.591+/-0.081 χ^2/NDF: 14673932.7/47



Right In: 140.095+/-547.518 χ^2/NDF: 23.0/21

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 68.428+/-534.763 χ^2/NDF: 28.9/24

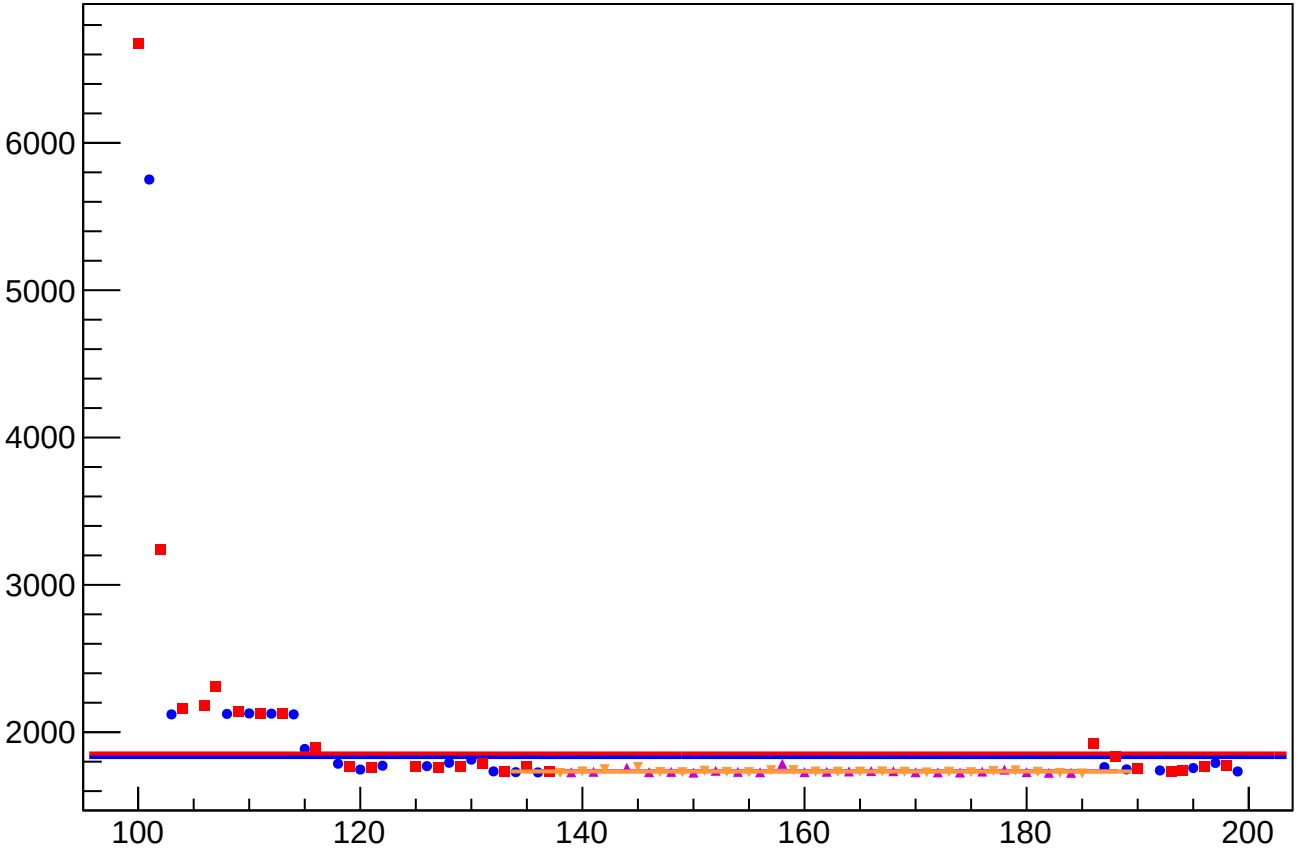
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 30.034+/-324.204 χ^2/NDF: 58.5/45

All: 13.933+/-228.779 χ^2/NDF: 107.3/93

- sign -2.038+/-322.884 χ^2/NDF: 48.8/47

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1831.231+/-0.387 χ^2/NDF: 719611.5/21

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

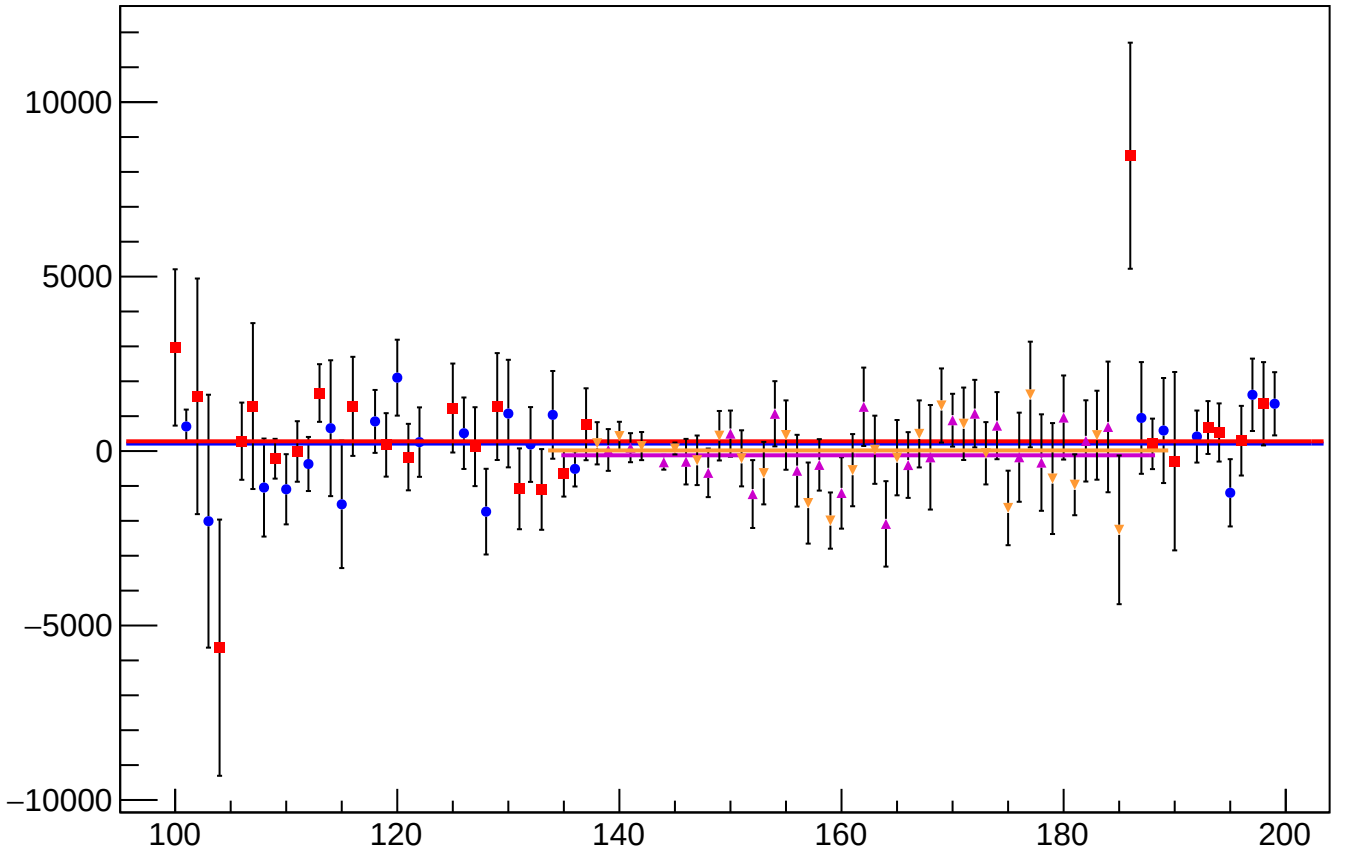
Right Out: 1855.649+/-0.378 χ^2/NDF: 394974.0/24

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1767.752+/-0.229 χ^2/NDF: 761911.5/45

All: 1773.331+/-0.162 χ^2/NDF: 1225133.3/93

- sign 1778.863+/-0.228 χ^2/NDF: 462042.5/47



Right In: 214.626+/-202.115 χ^2/NDF: 20.3/21

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

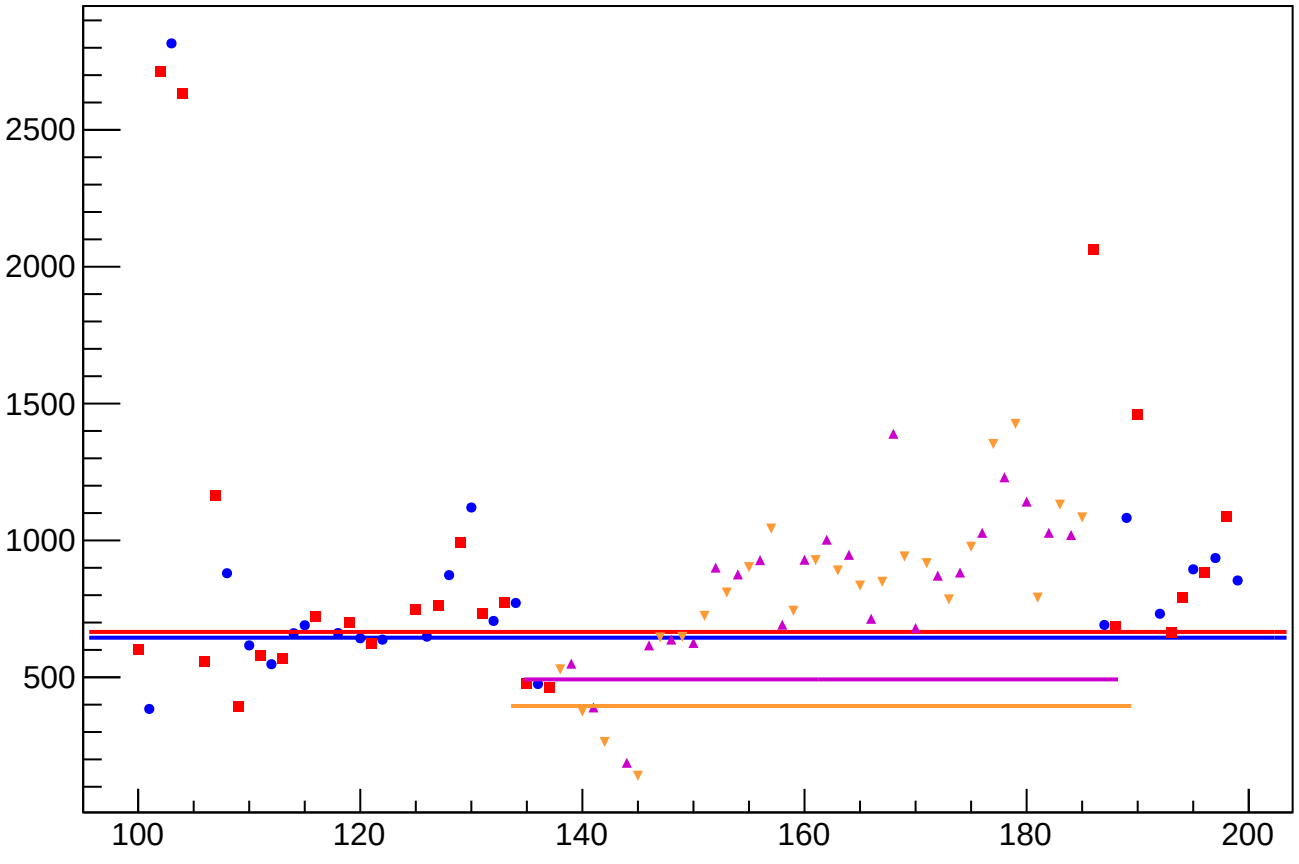
Right Out: 279.286+/-205.932 χ^2/NDF: 22.3/24

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 68.845+/-102.759 χ^2/NDF: 40.4/45

All: 38.702+/-76.373 χ^2/NDF: 82.0/93

- sign 1.505+/-114.151 χ^2/NDF: 41.4/47



Right In: 644.682+/-0.143 χ^2/NDF: 2495911.8/21

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 665.748+/-0.146 χ^2/NDF: 3271501.8/24

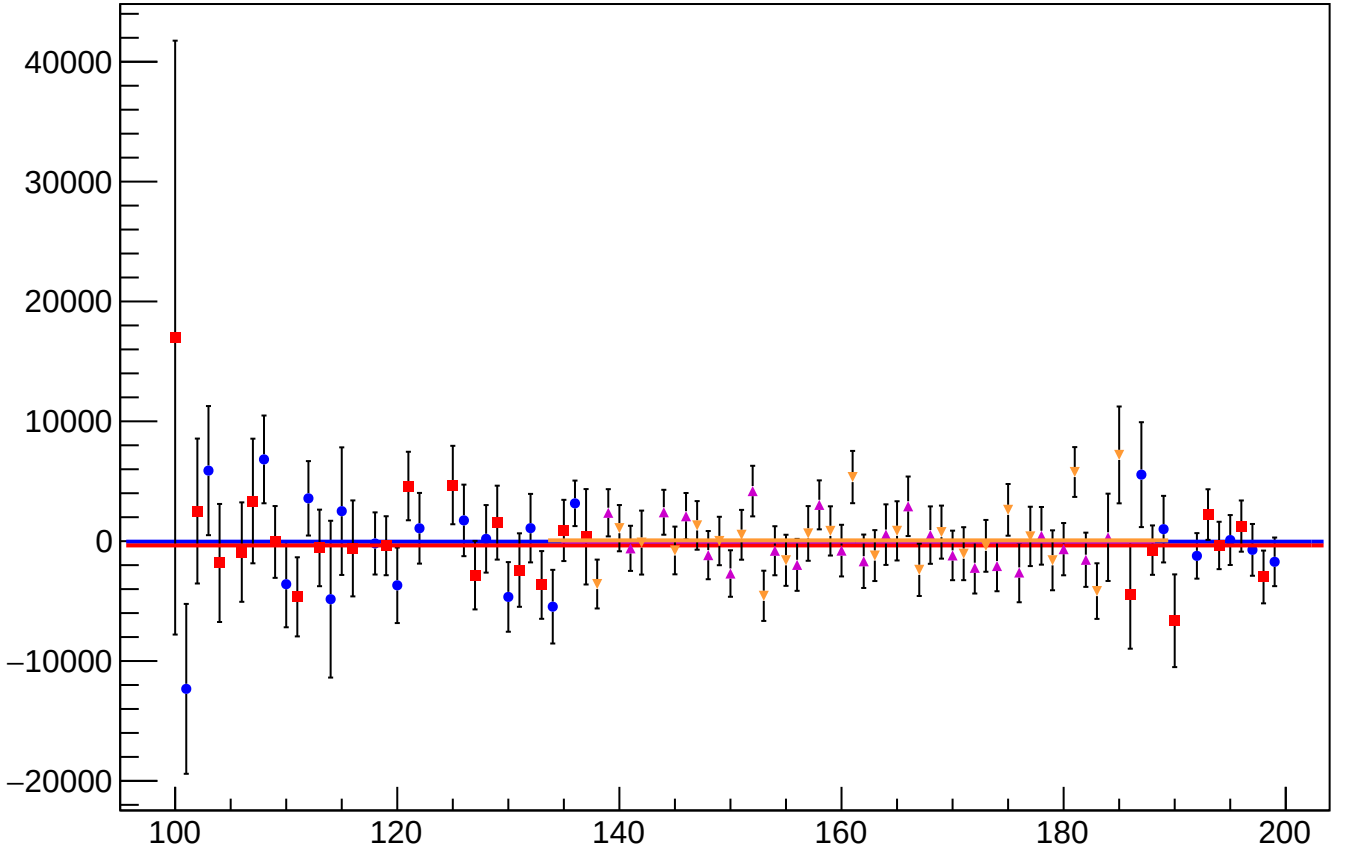
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 459.680+/-0.073 χ^2/NDF: 19090178.3/45

All: 498.136+/-0.054 χ^2/NDF: 34389864.3/93

- sign 545.591+/-0.081 χ^2/NDF: 14673934.0/47

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: -41.619+/-603.895 χ^2/NDF: 24.2/21

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -355.304+/-593.066 χ^2/NDF: 18.6/24

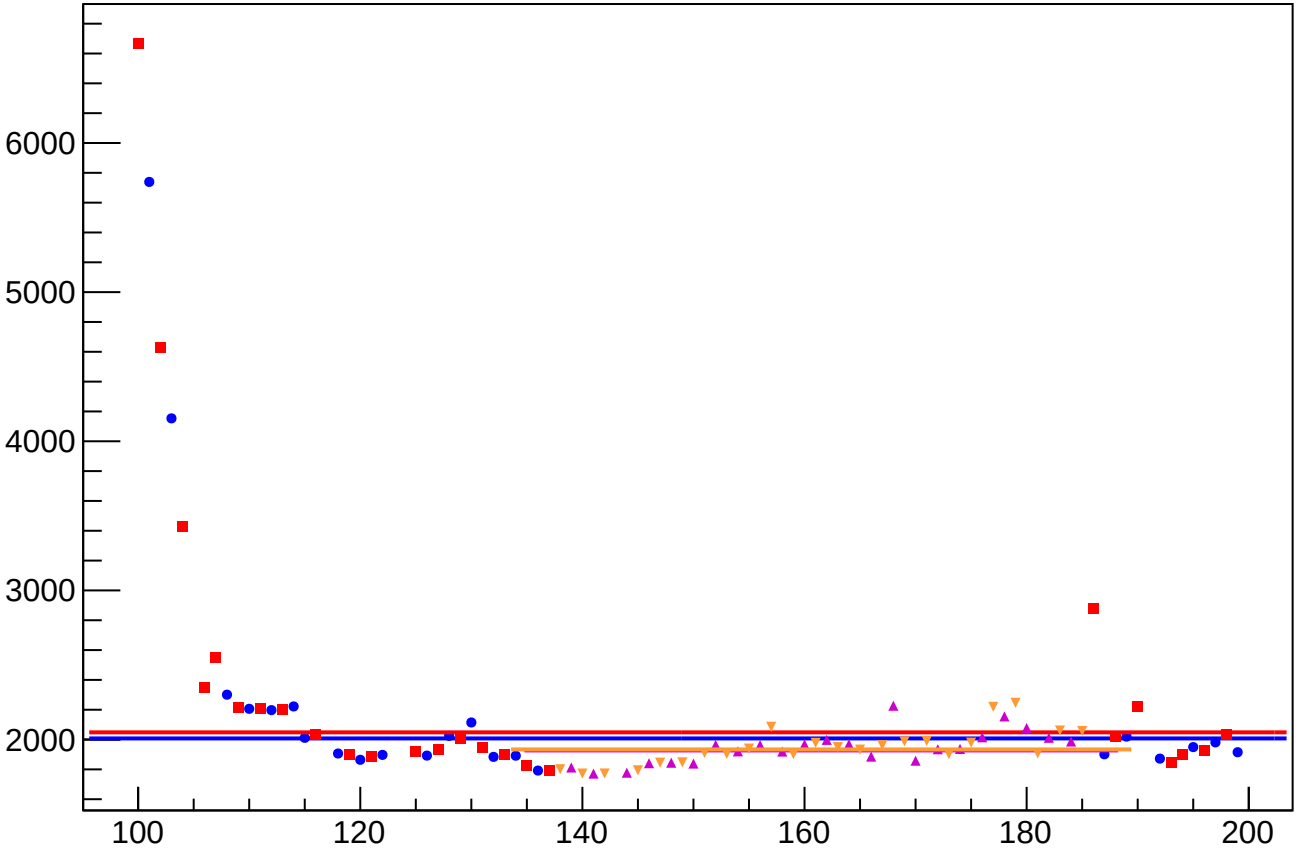
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 28.030+/-360.707 χ^2/NDF: 57.9/45

All: -59.584+/-254.405 χ^2/NDF: 96.8/93

- sign -146.306+/-358.867 χ^2/NDF: 38.8/47

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2007.497+/-0.427 χ^2/NDF: 965868.1/21

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

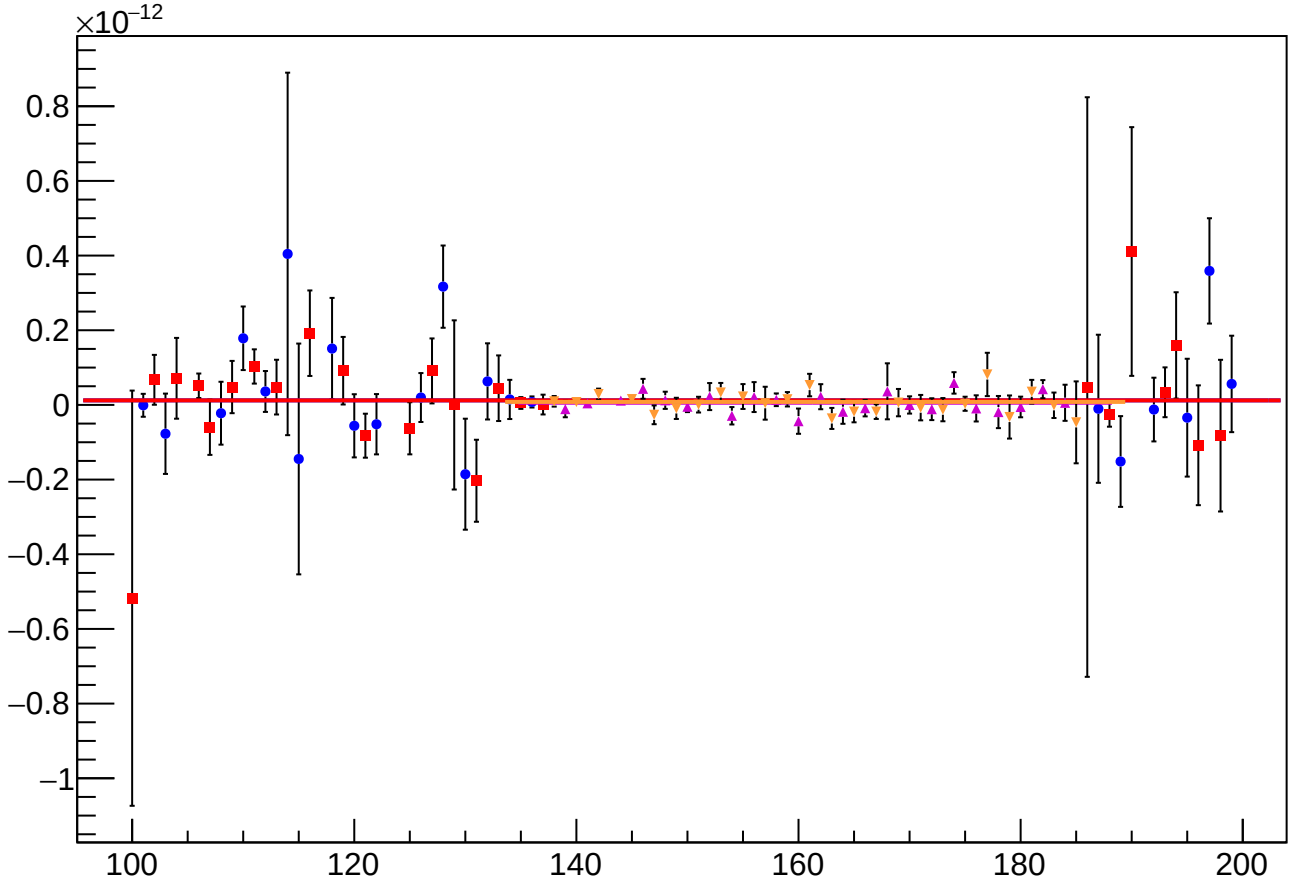
Right Out: 2048.310+/-0.419 χ^2/NDF: 795683.6/24

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1960.096+/-0.255 χ^2/NDF: 1113556.6/45

All: 1965.826+/-0.180 χ^2/NDF: 2079611.7/93

- sign 1971.497+/-0.254 χ^2/NDF: 965050.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

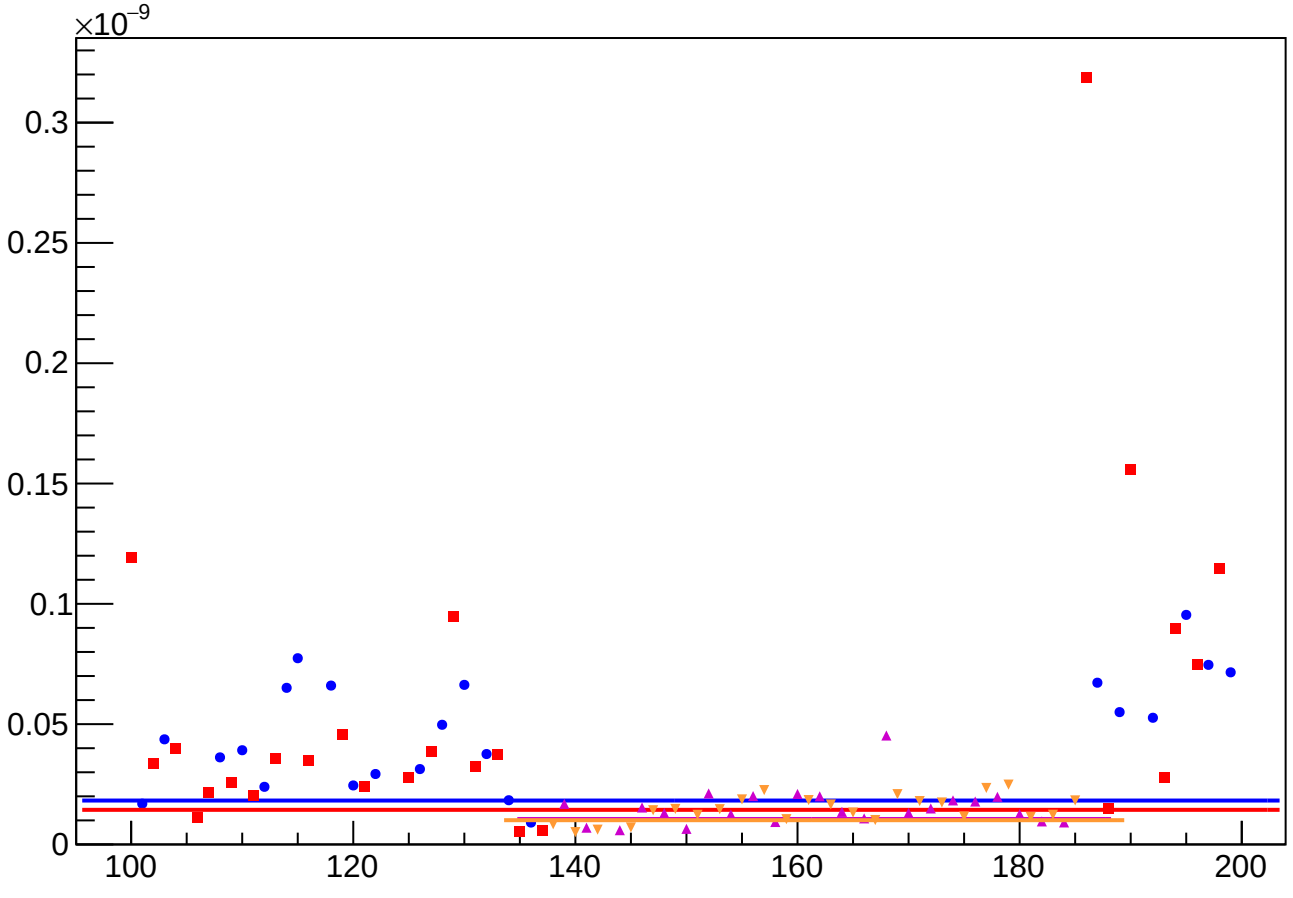
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/24

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.7/45

All: 0.000+/-0.000 χ^2/NDF: 86.5/93

- sign 0.000+/-0.000 χ^2/NDF: 42.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3786270.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

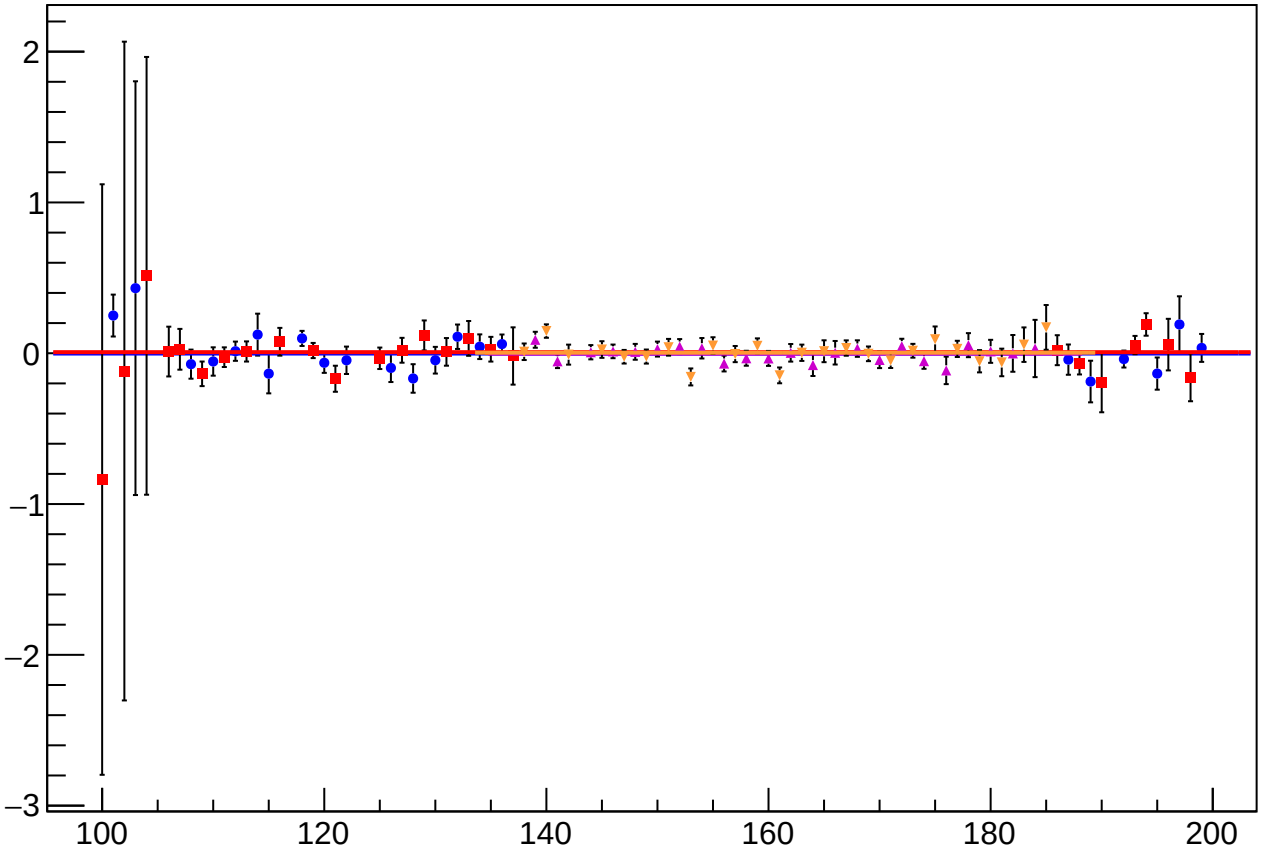
Right Out: 0.000+/-0.000 χ^2/NDF: 4613696.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6970717.6/45

All: 0.000+/-0.000 χ^2/NDF: 14405182.3/93

- sign 0.000+/-0.000 χ^2/NDF: 7434016.5/47



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/24

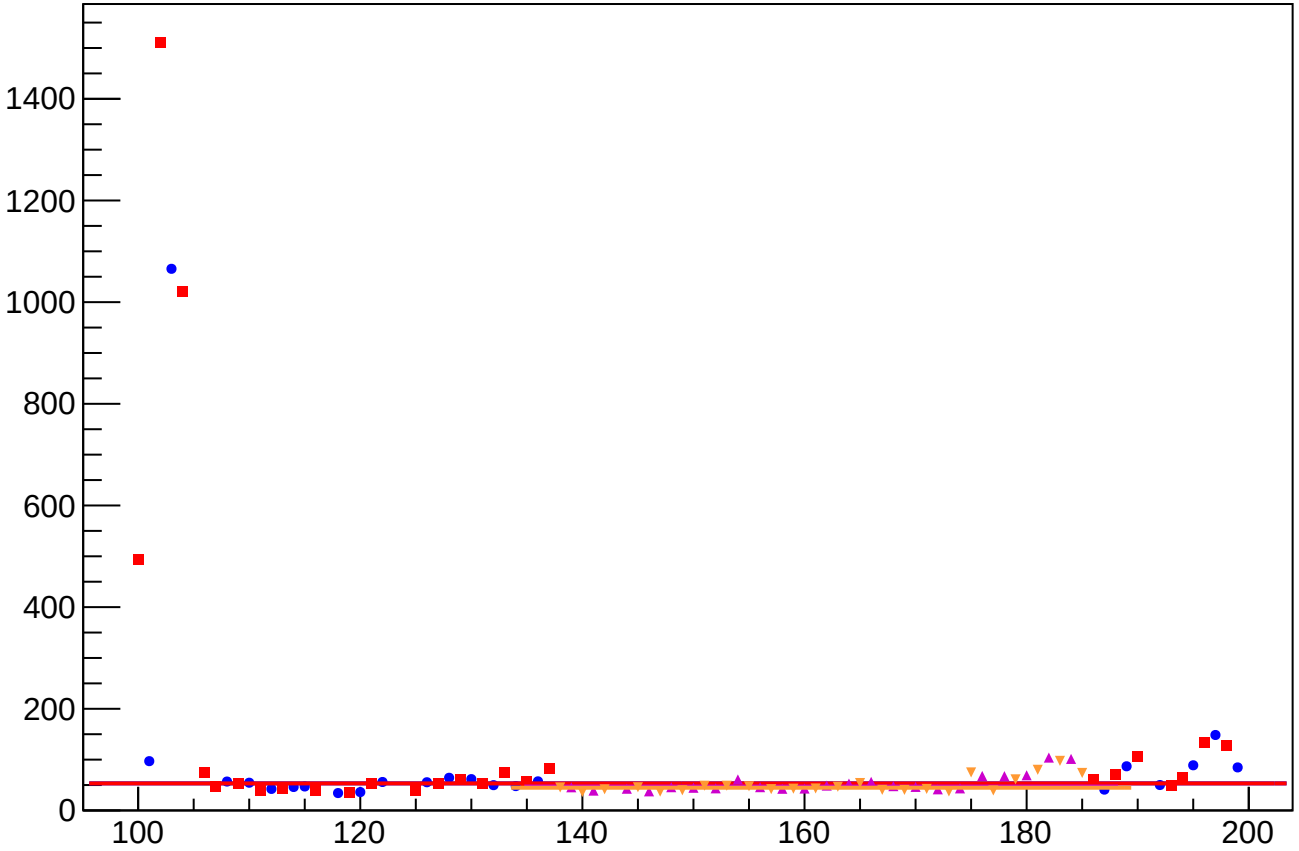
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 59.1/45

All: 0.001+/-0.007 χ^2/NDF: 94.4/93

- sign 0.000+/-0.010 χ^2/NDF: 35.3/47

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 53.296+/-0.013 χ^2/NDF: 2975642.2/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

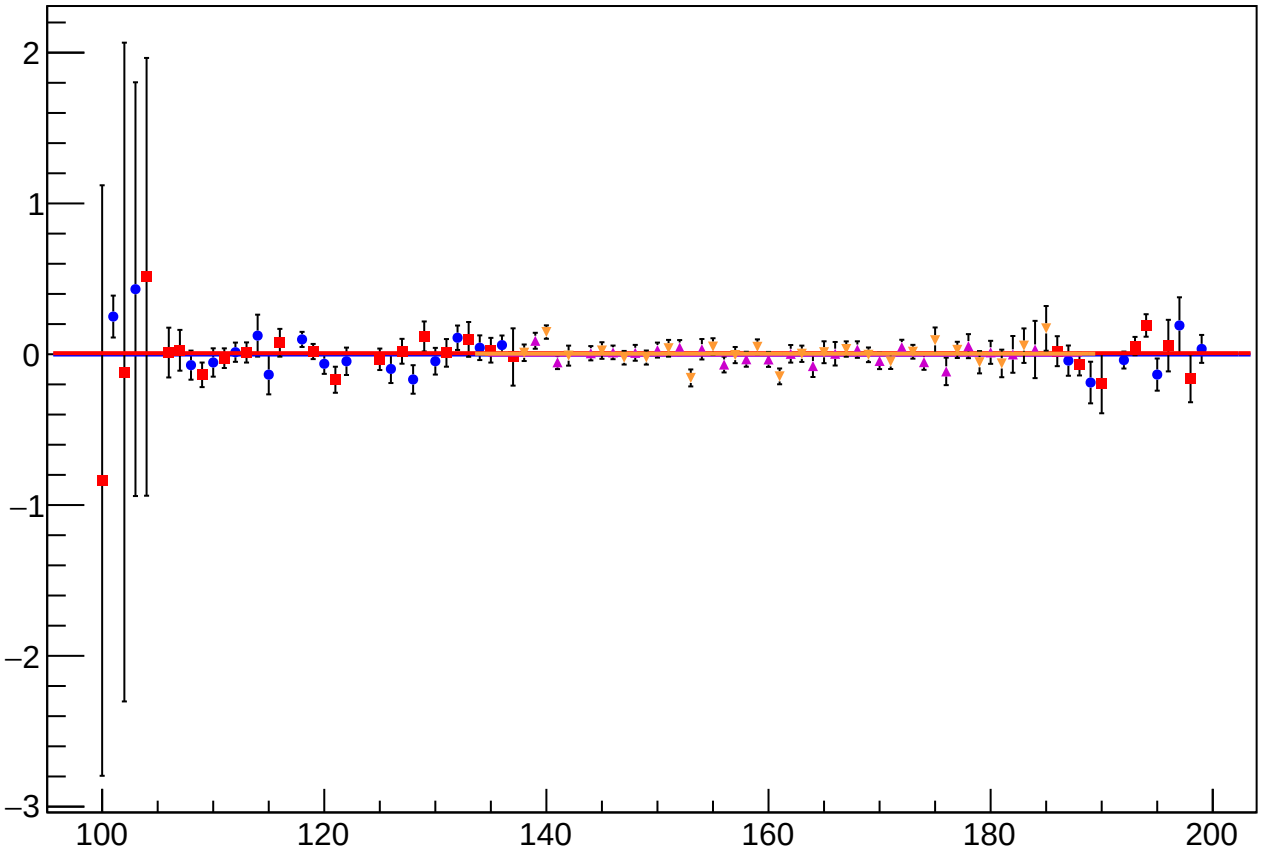
Right Out: 53.203+/-0.013 χ^2/NDF: 3755895.7/24

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 47.155+/-0.007 χ^2/NDF: 4770360.8/45

All: 47.995+/-0.005 χ^2/NDF: 10099605.0/93

- sign 48.879+/-0.007 χ^2/NDF: 5298732.9/47



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

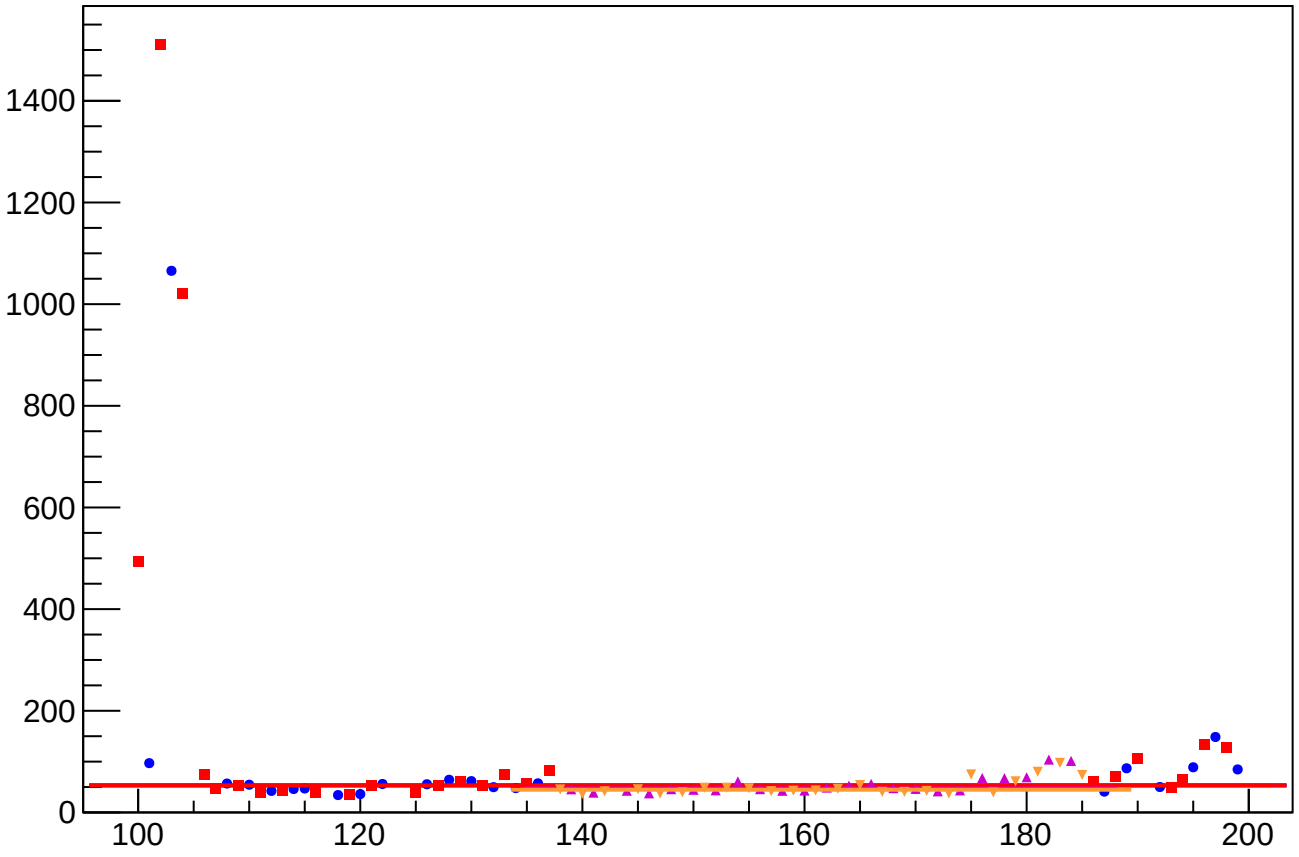
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 59.1/45

All: 0.001+/-0.007 χ^2/NDF: 94.4/93

- sign 0.000+/-0.010 χ^2/NDF: 35.3/47



Right In: 53.296+/-0.013 χ^2/NDF: 2975642.2/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

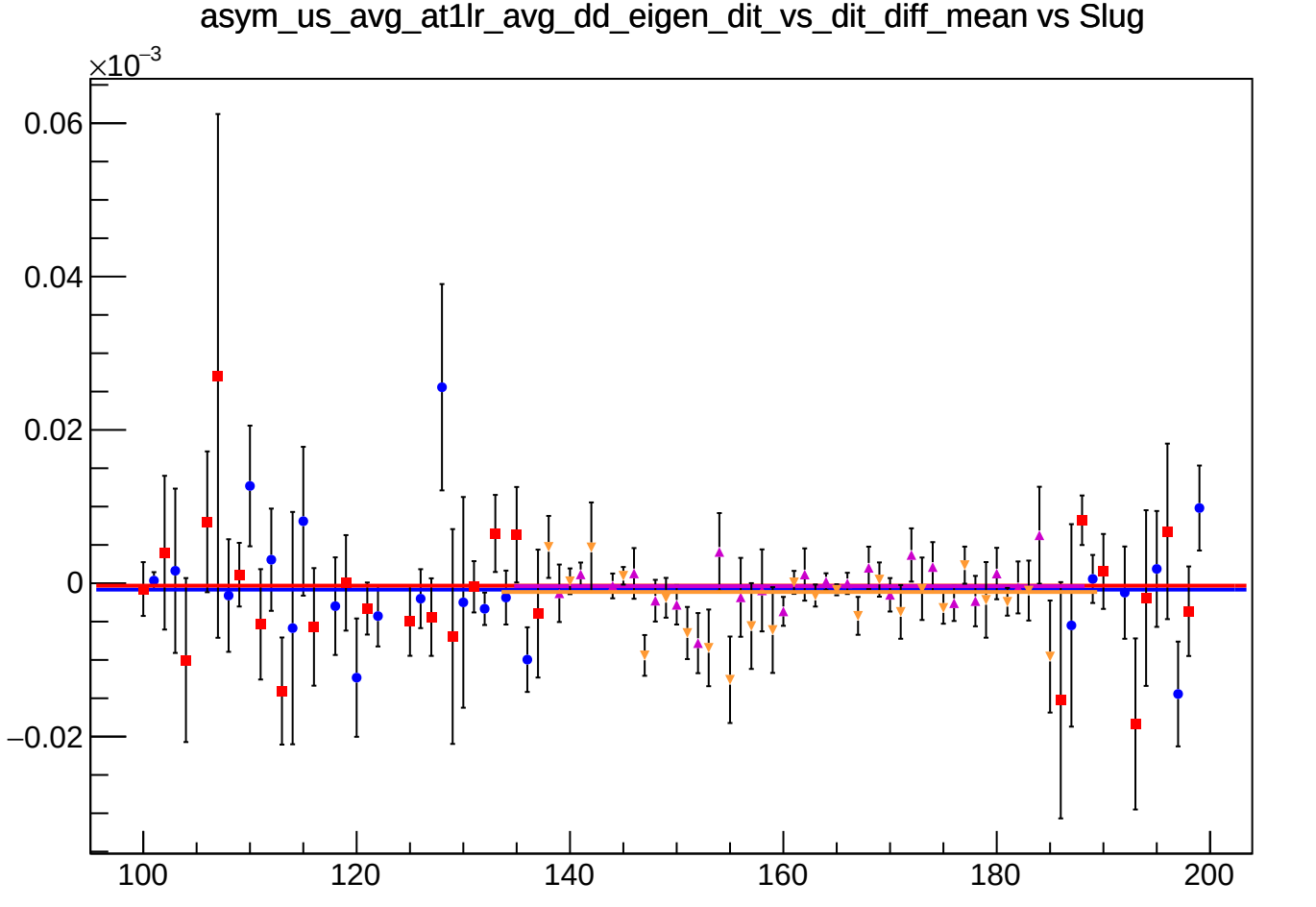
Right Out: 53.203+/-0.013 χ^2/NDF: 3755895.7/24

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

\+ sign 47.155+/-0.007 χ^2/NDF: 4770360.8/45

All: 47.995+/-0.005 χ^2/NDF: 10099605.0/93

\- sign 48.879+/-0.007 χ^2/NDF: 5298732.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

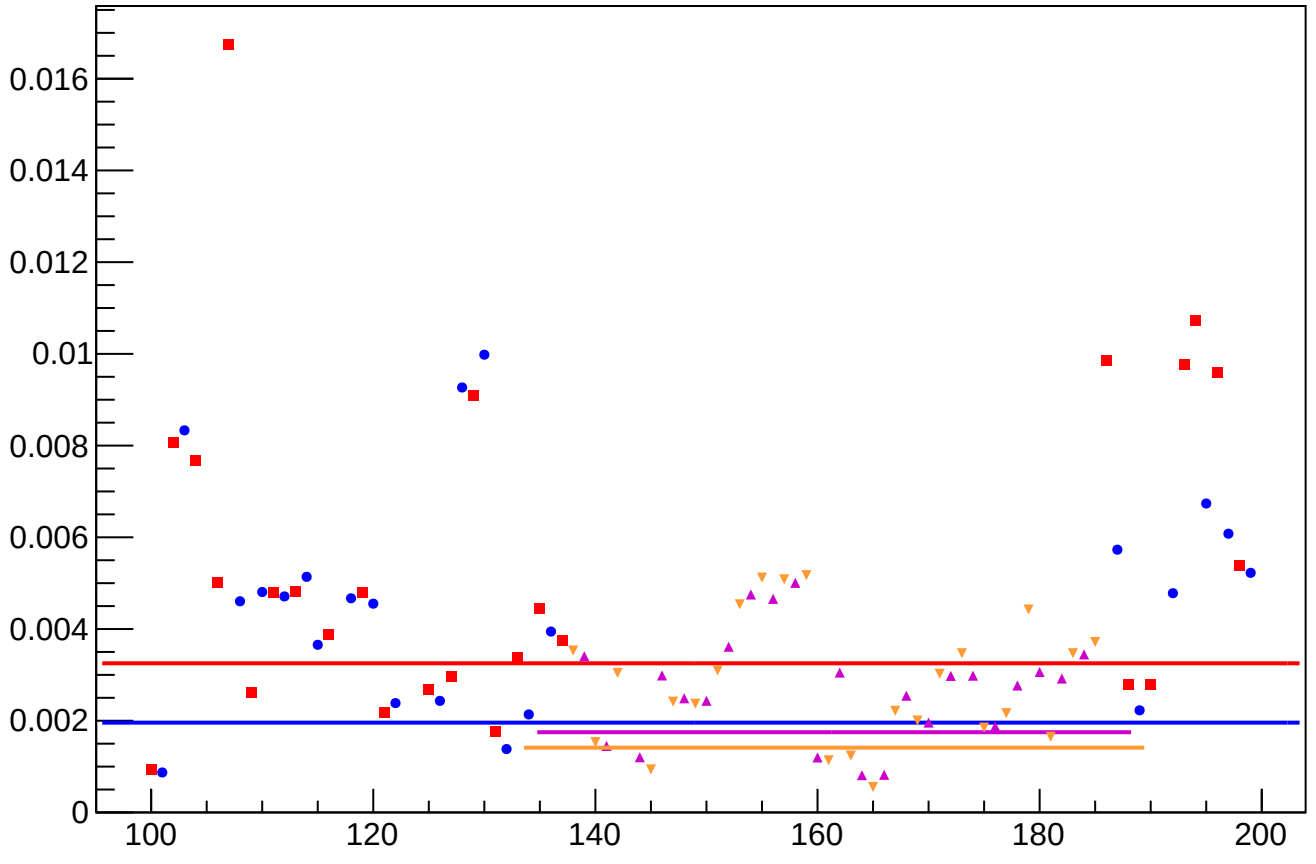
Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/24

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.7/45

All: -0.000+/-0.000 χ^2/NDF: 105.1/93

- sign -0.000+/-0.000 χ^2/NDF: 41.0/47



Right In: 0.002+/-0.000 χ^2/NDF: 9026229.4/21

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 6331307.1/24

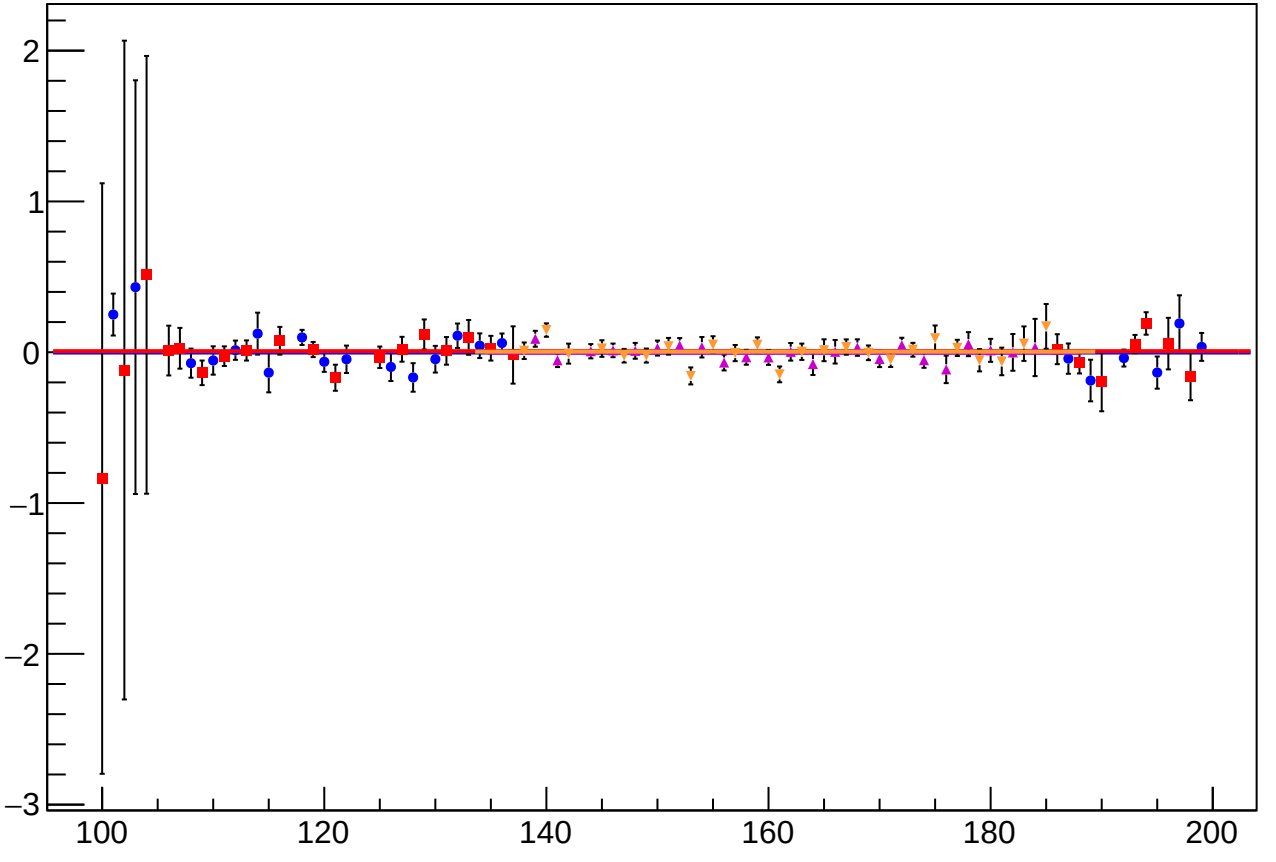
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

\+ sign 0.002+/-0.000 χ^2/NDF: 21386862.2/45

All: 0.002+/-0.000 χ^2/NDF: 40239063.6/93

\- sign 0.002+/-0.000 χ^2/NDF: 17585657.0/47

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

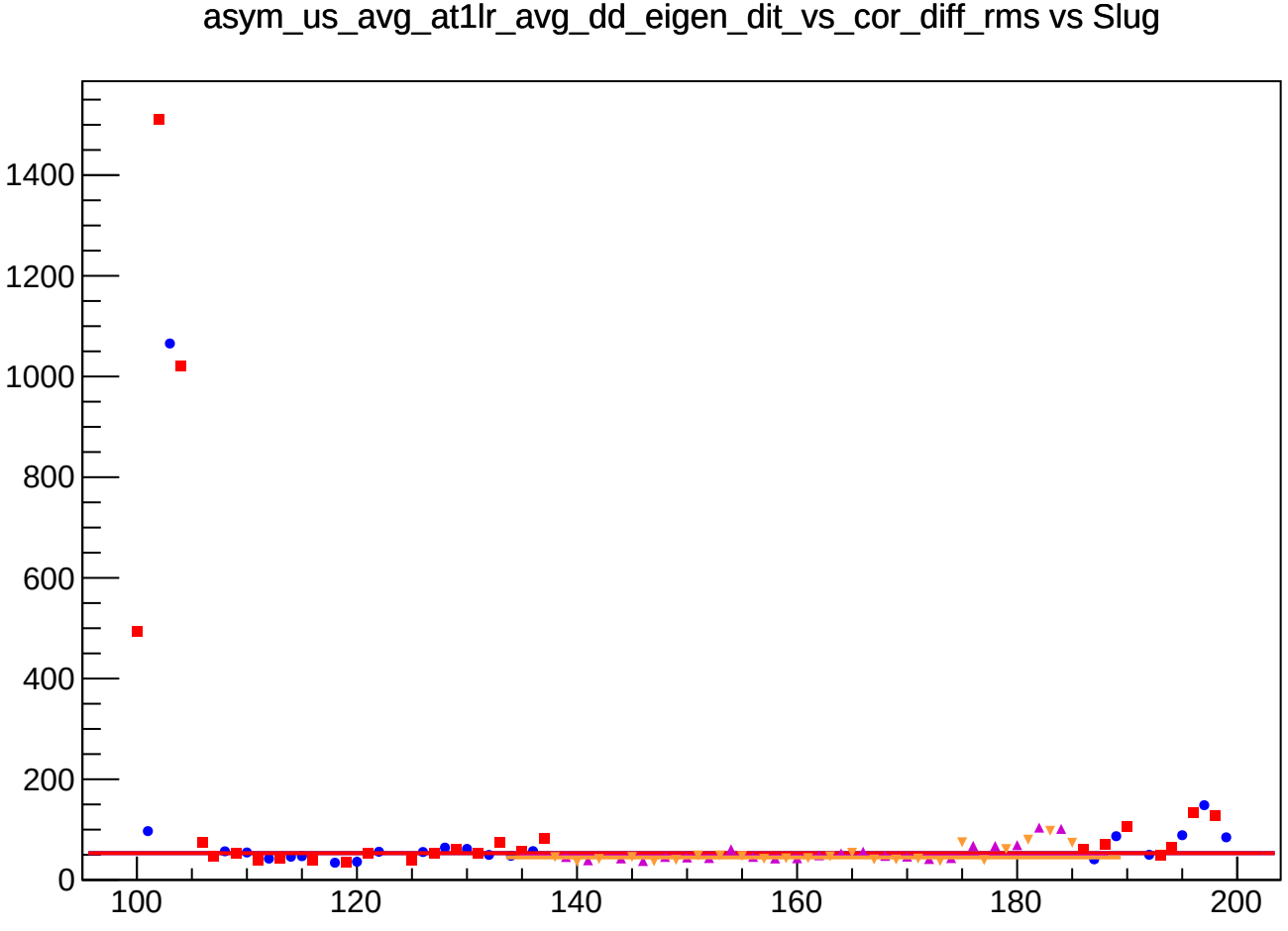
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 59.1/45

All: 0.001+/-0.007 χ^2/NDF: 94.4/93

- sign 0.000+/-0.010 χ^2/NDF: 35.3/47



Right In: 53.295+/-0.013 χ^2/NDF: 2975588.6/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 53.202+/-0.013 χ^2/NDF: 3755978.6/24

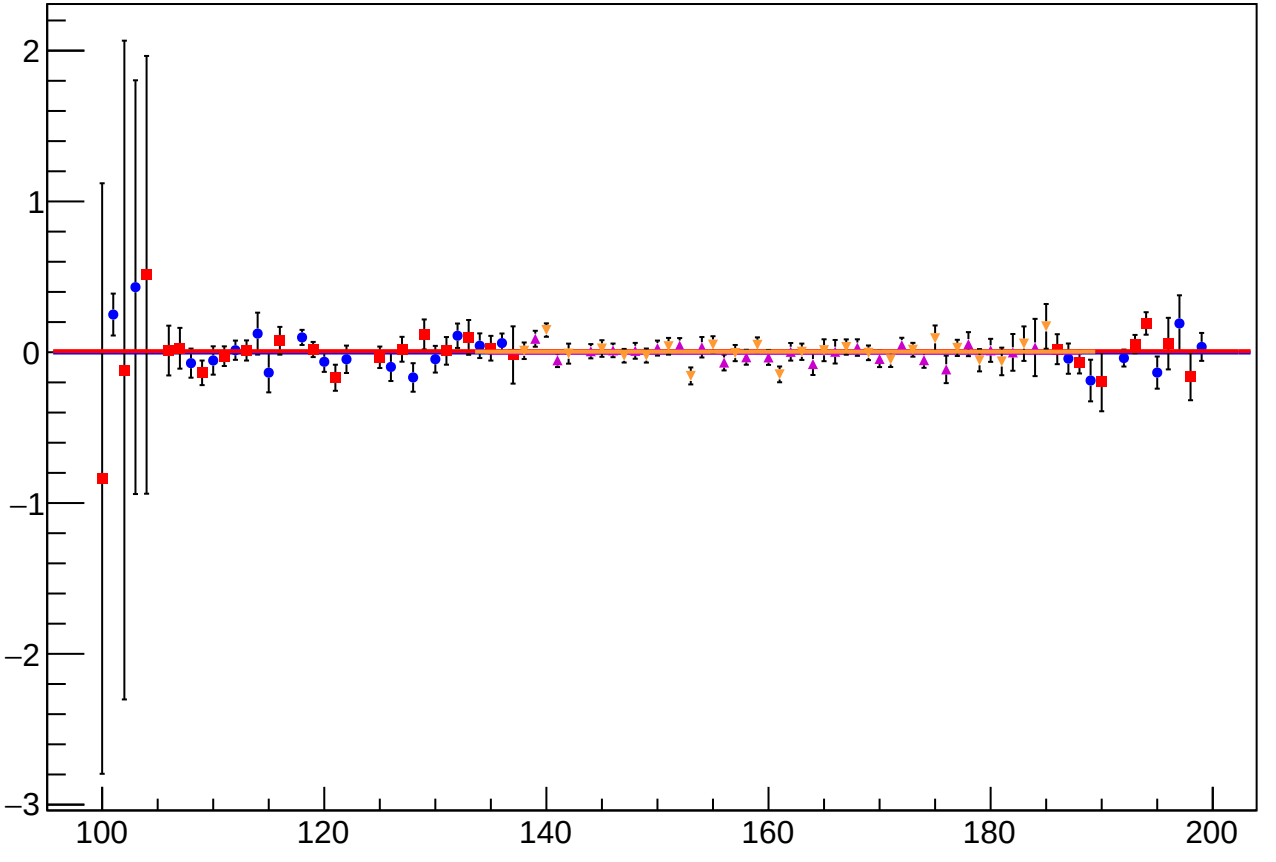
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 47.155+/-0.007 χ^2/NDF: 4770271.7/45

All: 47.995+/-0.005 χ^2/NDF: 10099622.6/93

- 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: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

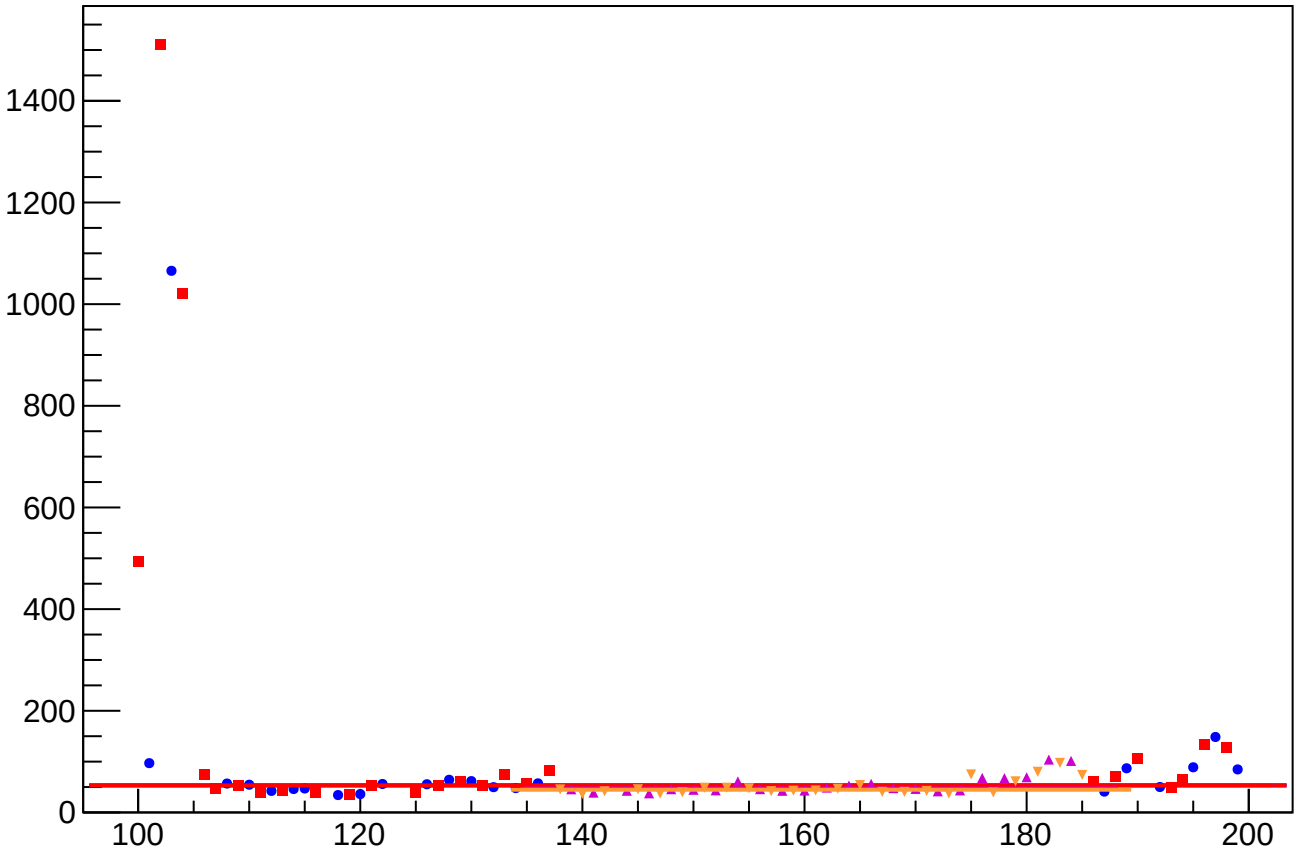
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 59.1/45

All: 0.001+/-0.007 χ^2/NDF: 94.4/93

- sign 0.000+/-0.010 χ^2/NDF: 35.3/47



Right In: 53.295+/-0.013 χ^2/NDF: 2975588.6/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

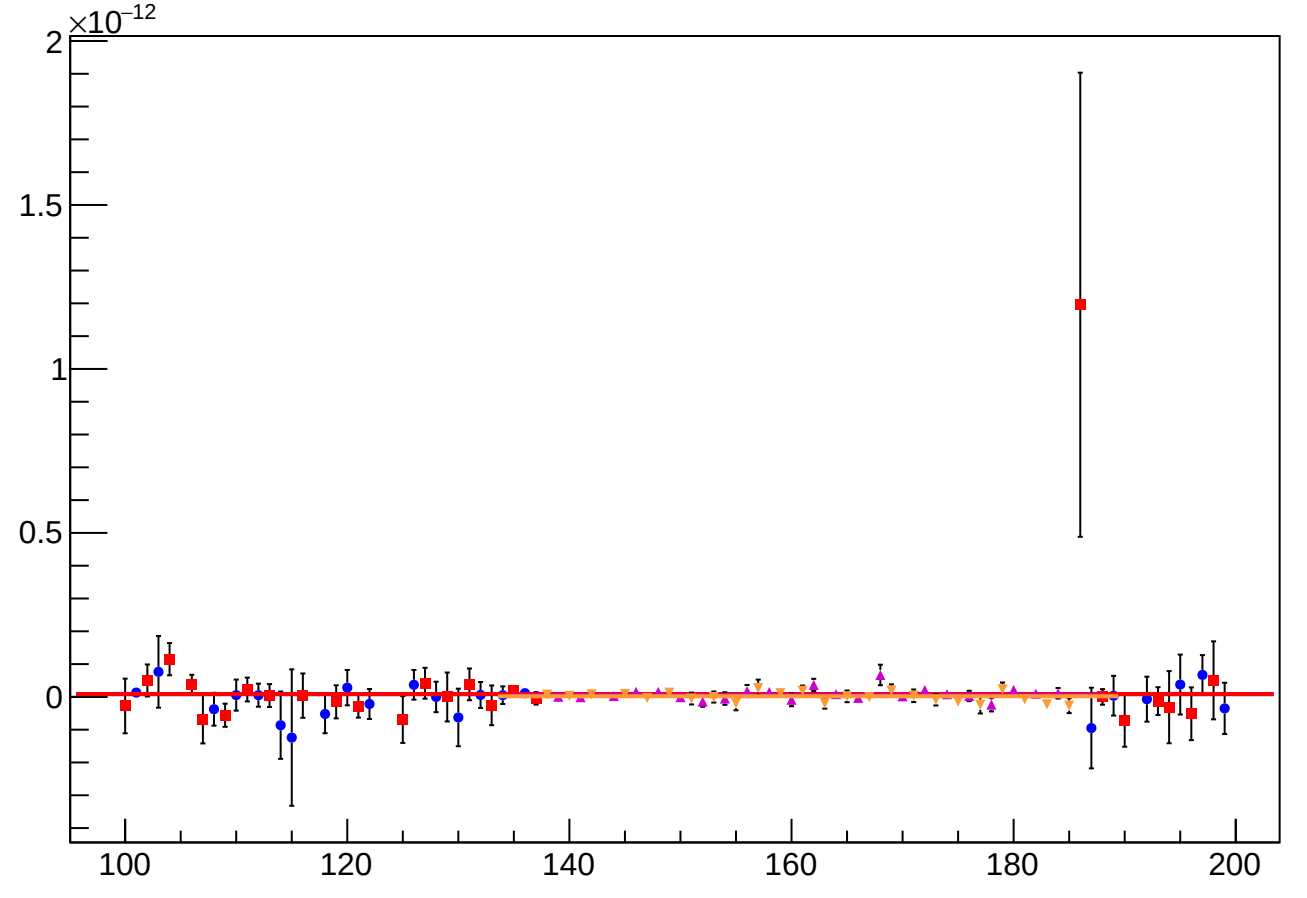
Right Out: 53.202+/-0.013 χ^2/NDF: 3755978.6/24

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 47.155+/-0.007 χ^2/NDF: 4770271.7/45

All: 47.995+/-0.005 χ^2/NDF: 10099622.6/93

- sign 48.879+/-0.007 χ^2/NDF: 5298855.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 7.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

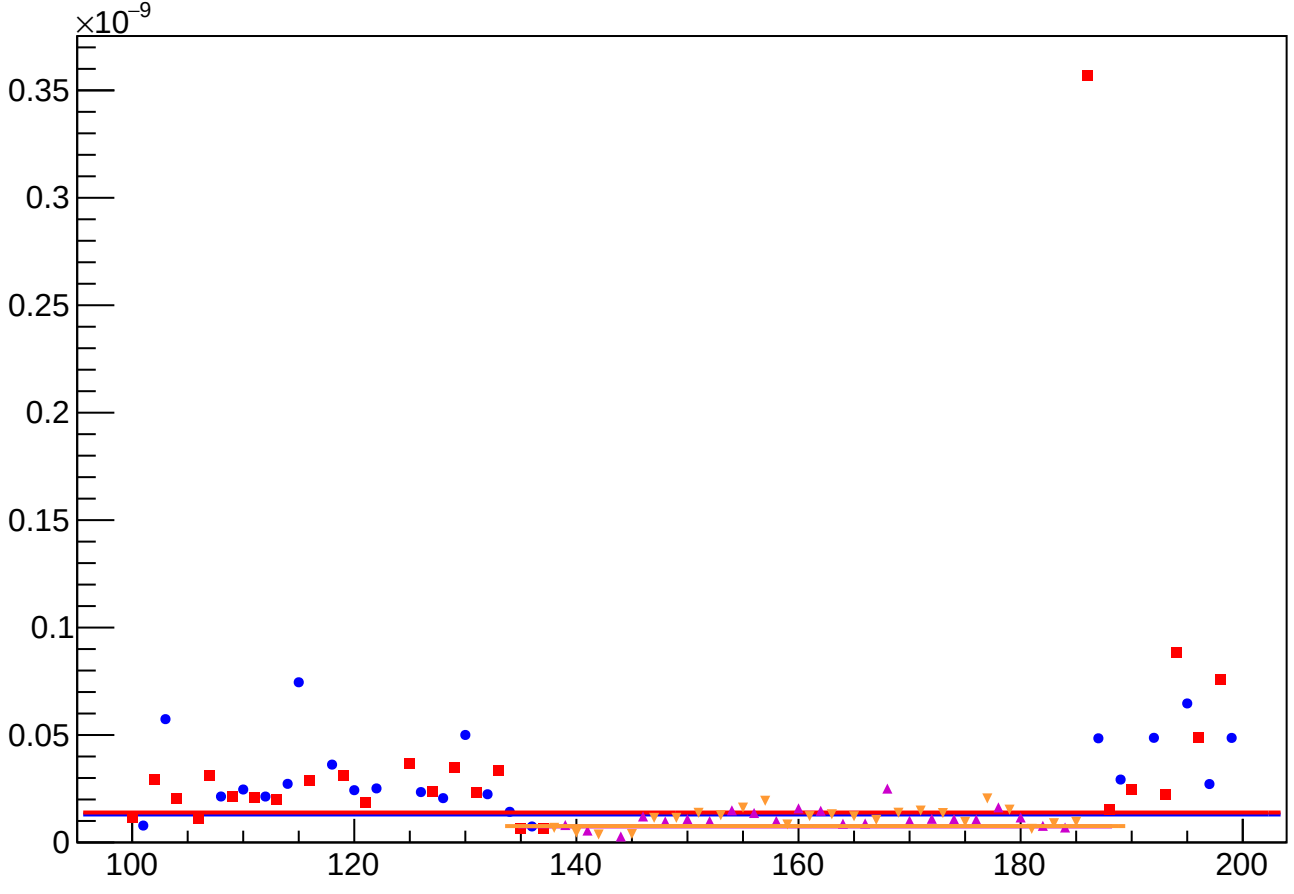
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/24

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.0/45

All: 0.000+/-0.000 χ^2/NDF: 69.3/93

- sign 0.000+/-0.000 χ^2/NDF: 39.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 5003549.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5412511.6/24

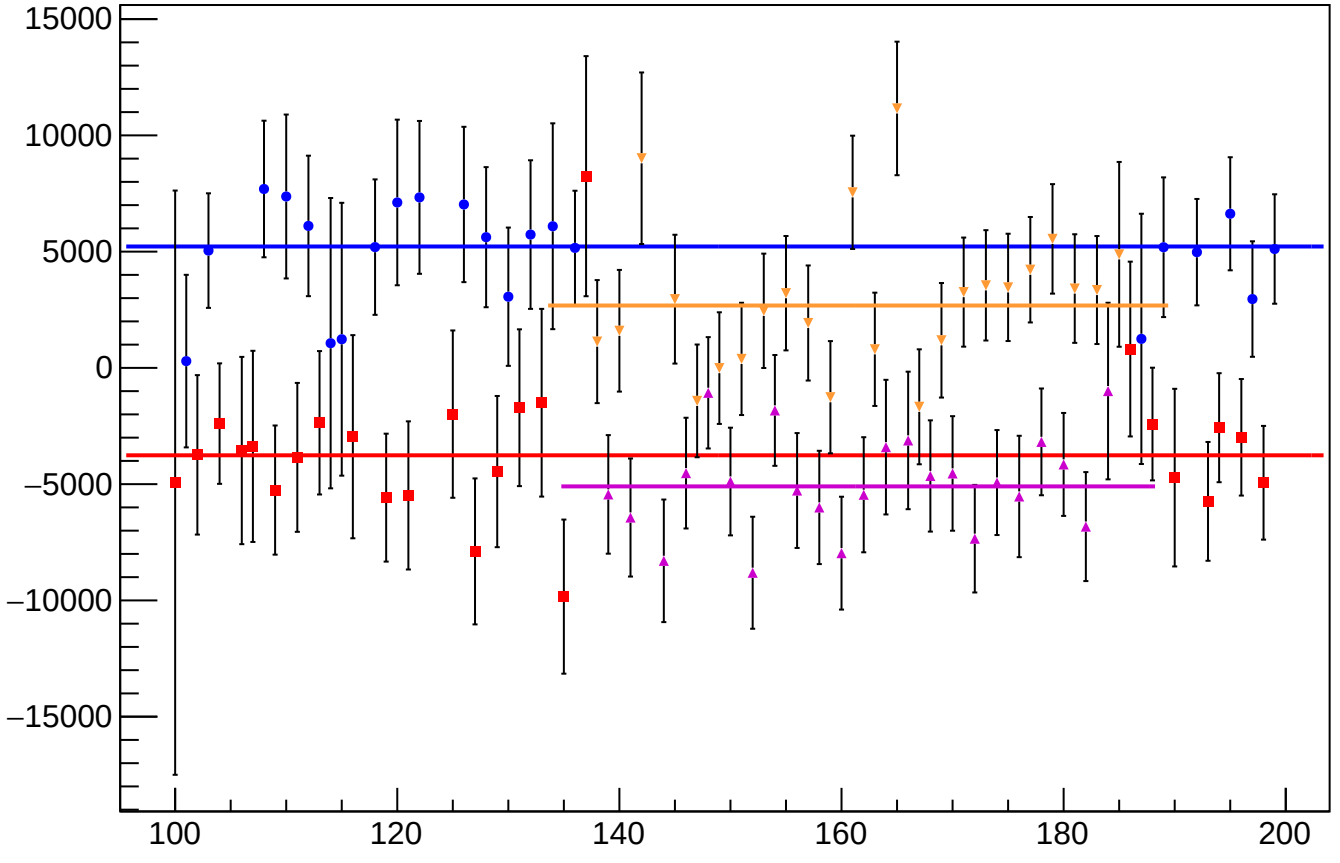
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11782876.9/45

All: 0.000+/-0.000 χ^2/NDF: 24807774.9/93

- sign 0.000+/-0.000 χ^2/NDF: 13023429.7/47

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5221.034+/-650.562 χ^2/NDF: 7.2/21

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3759.150+/-632.567 χ^2/NDF: 16.1/24

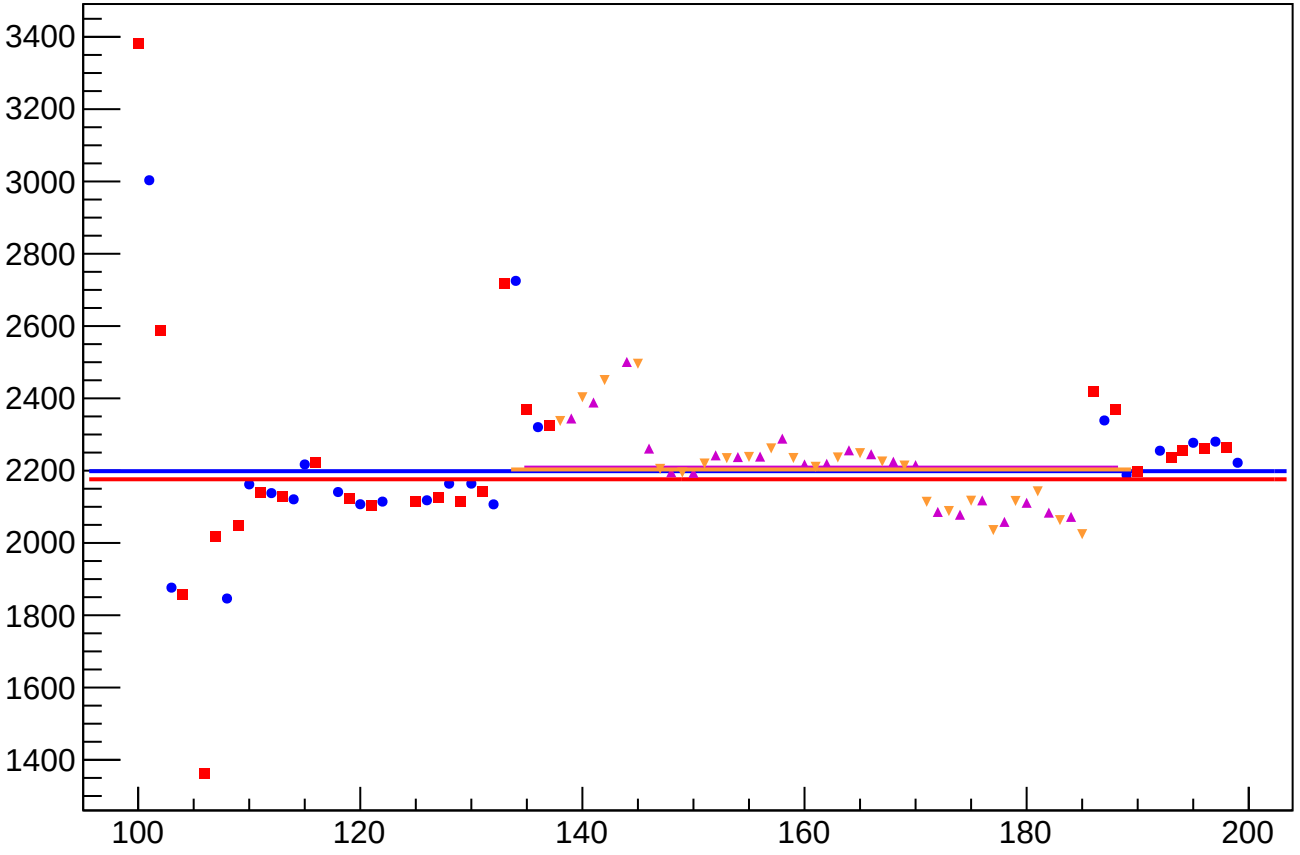
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

\+ sign 3653.720+/-402.351 χ^2/NDF: 47.4/45

All: -478.633+/-283.653 χ^2/NDF: 290.8/93

\- sign -4561.835+/-399.951 χ^2/NDF: 33.7/47

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2198.570+/-0.460 χ^2/NDF: 205412.9/21

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

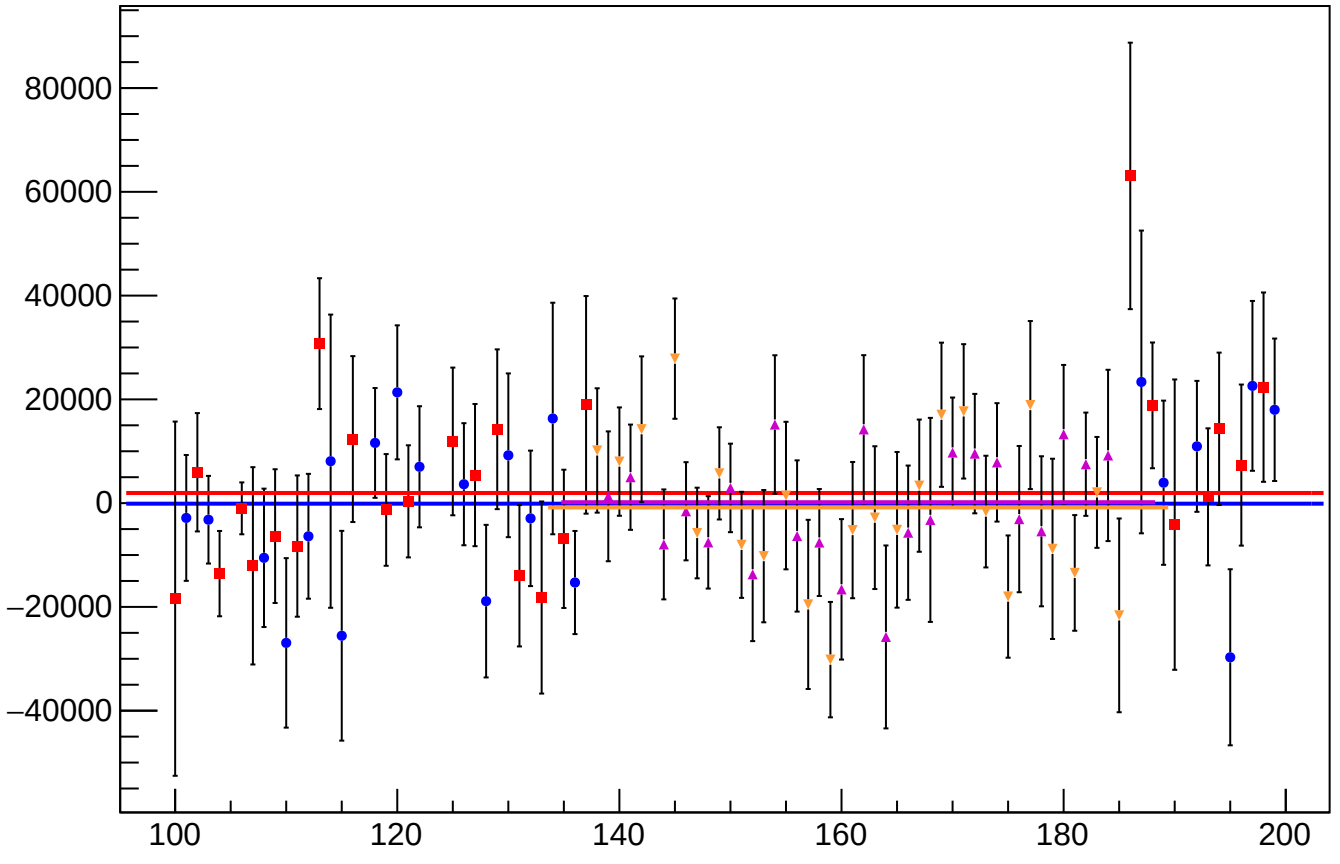
Right Out: 2176.137+/-0.443 χ^2/NDF: 310440.9/24

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.489+/-0.285 χ^2/NDF: 293686.4/45

All: 2198.382+/-0.200 χ^2/NDF: 688513.3/93

- sign 2195.337+/-0.282 χ^2/NDF: 394590.9/47



Right In: -103.744+/-2876.150 χ^2/NDF: 23.0/21

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

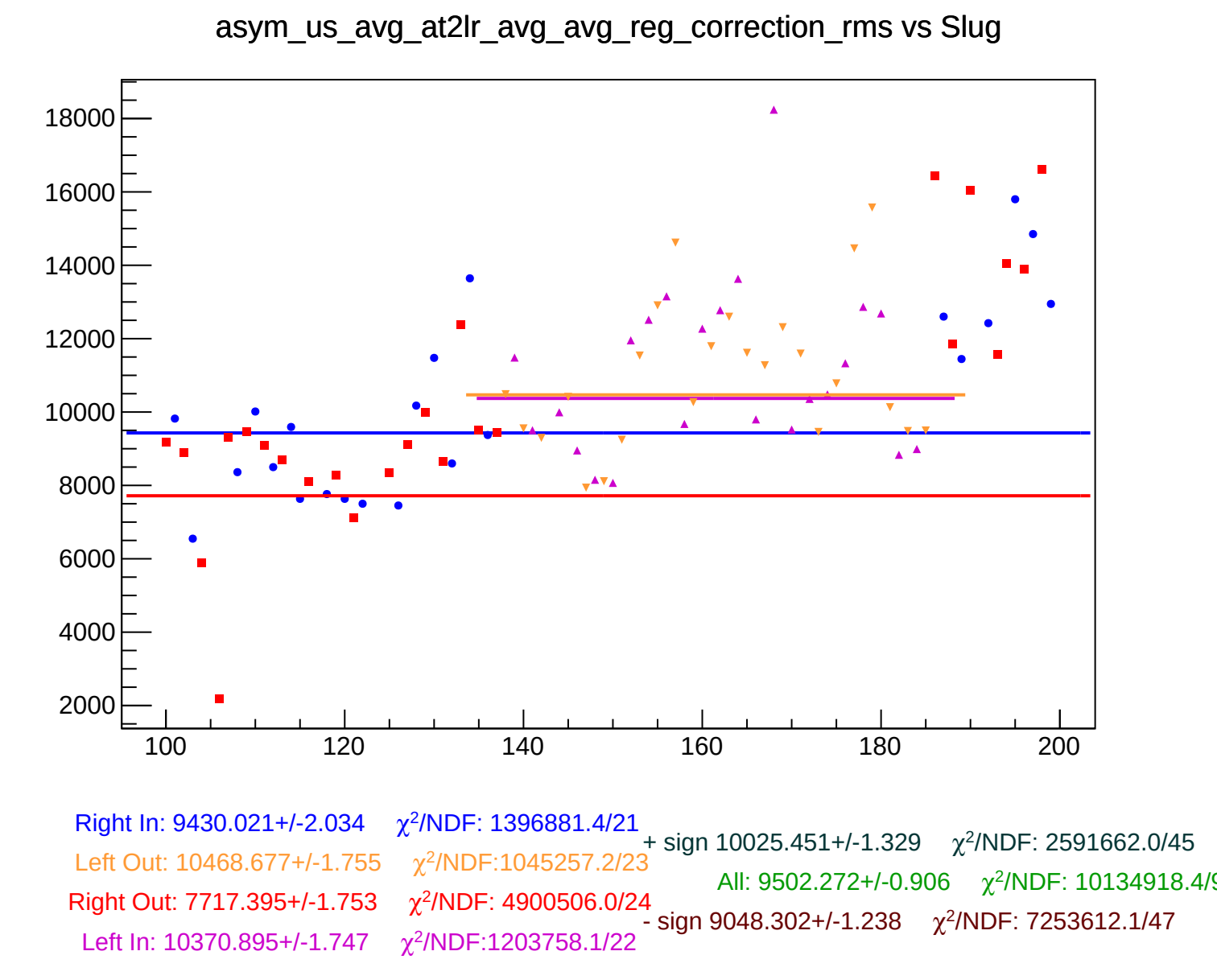
Right Out: 1959.438+/-2478.978 χ^2/NDF: 26.2/24

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

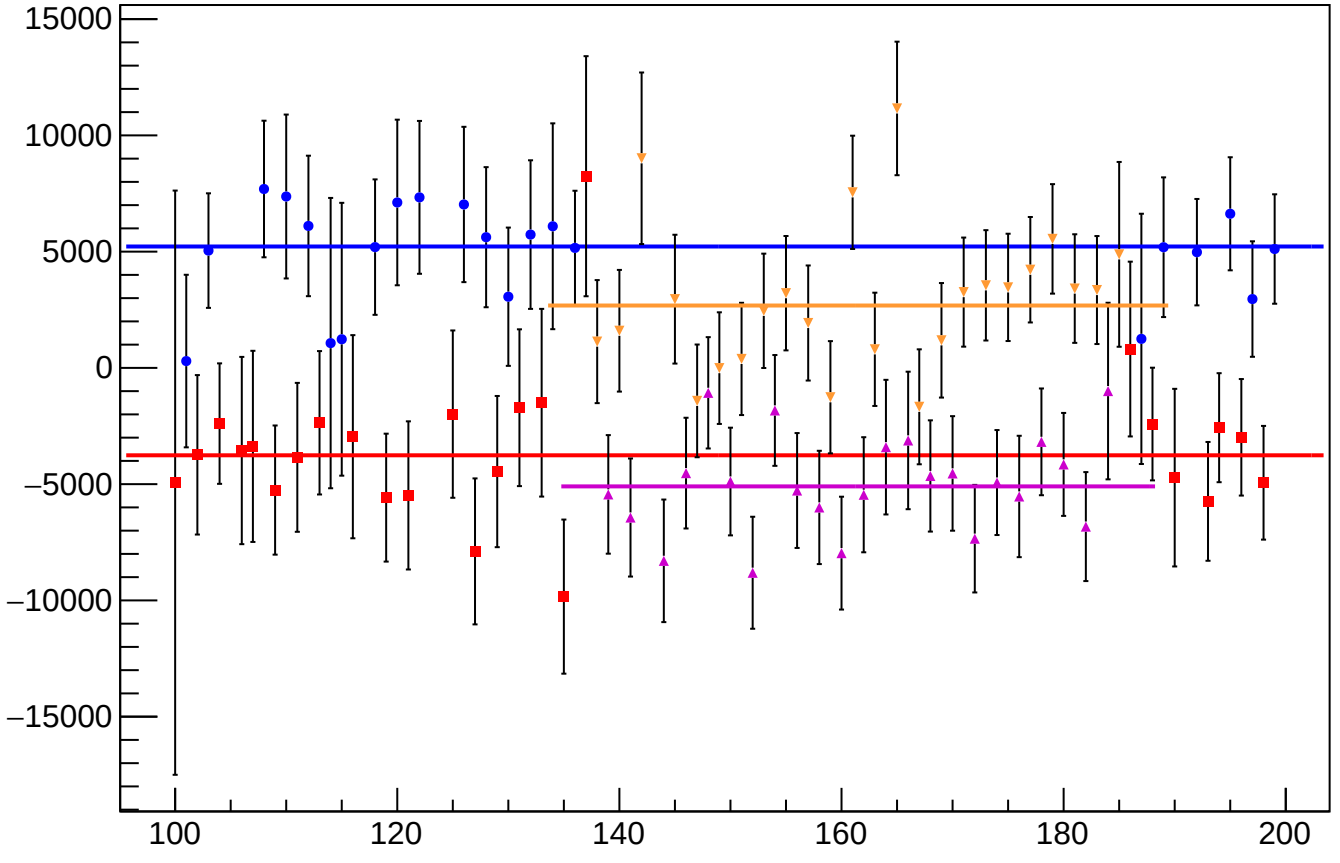
+ sign -522.082+/-1878.834 χ^2/NDF: 52.5/45

All: 329.350+/-1280.623 χ^2/NDF: 93.1/93

- sign 1068.148+/-1750.154 χ^2/NDF: 40.3/47


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9430.021+/-2.034 χ²/NDF: 1396881.4/21
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 7717.395+/-1.753 χ²/NDF: 4900506.0/24
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
+ sign 10025.451+/-1.329 χ²/NDF: 2591662.0/45
All: 9502.272+/-0.906 χ²/NDF: 10134918.4/9
- sign 9048.302+/-1.238 χ²/NDF: 7253612.1/47

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5221.141+/-650.562 χ^2/NDF: 7.2/21

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3758.993+/-632.567 χ^2/NDF: 16.1/24

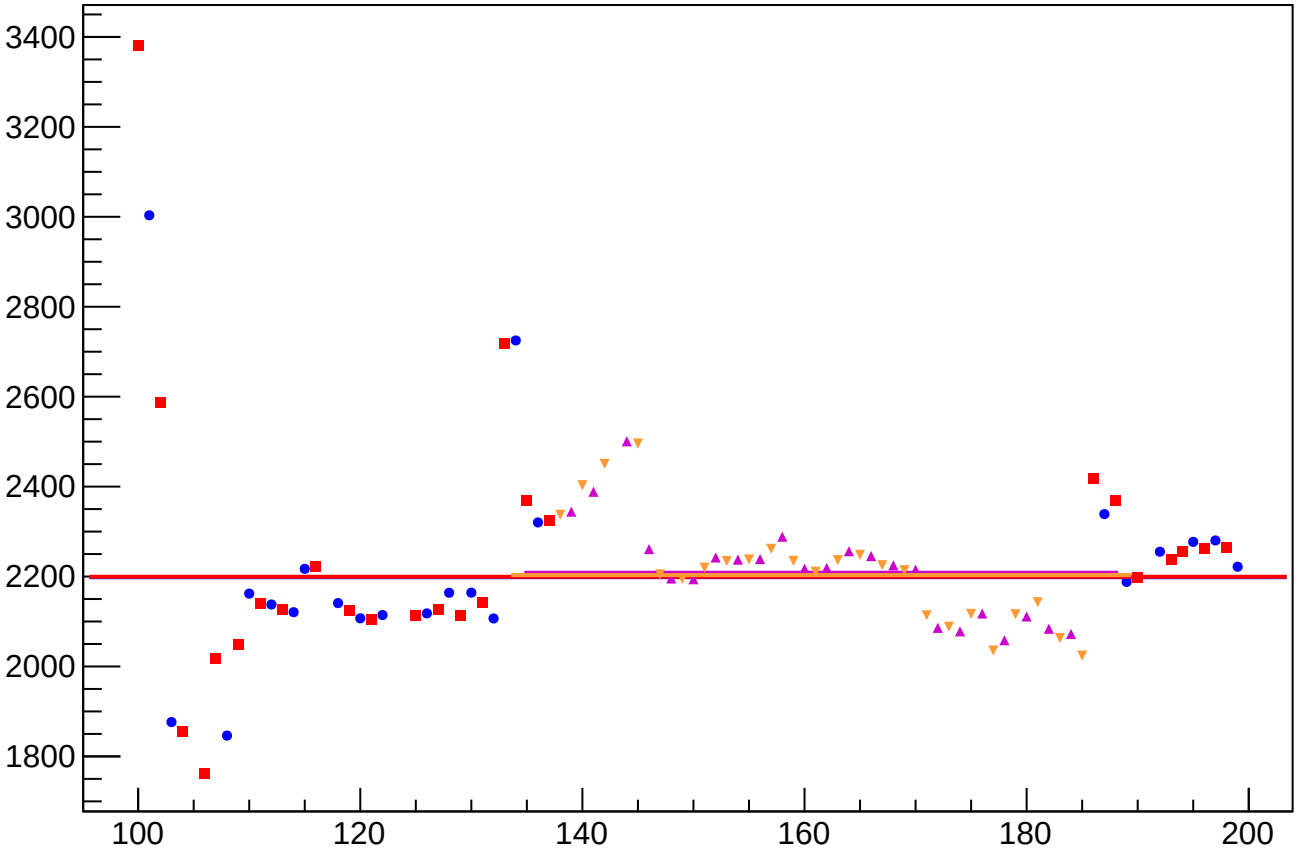
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3653.712+/-402.351 χ^2/NDF: 47.4/45

All: -478.577+/-283.653 χ^2/NDF: 290.8/93

- sign -4561.717+/-399.951 χ^2/NDF: 33.7/47

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2198.570+/-0.460 χ^2/NDF: 205413.3/21

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

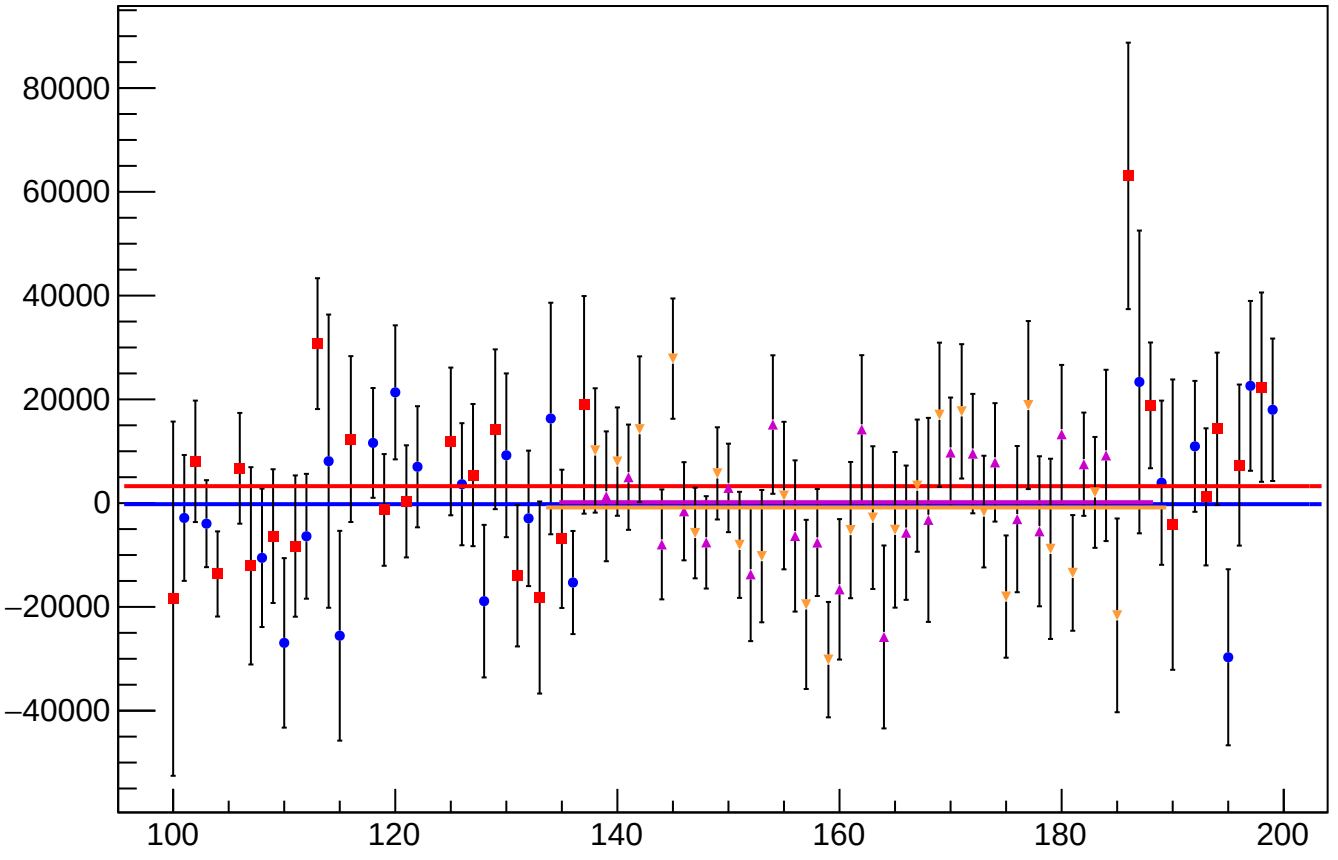
Right Out: 2199.453+/-0.446 χ^2/NDF: 187035.9/24

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.489+/-0.285 χ^2/NDF: 293686.8/45

All: 2203.155+/-0.200 χ^2/NDF: 562025.0/93

- sign 2204.798+/-0.282 χ^2/NDF: 268270.1/47



Right In: -198.981+/-2873.588 χ^2/NDF: 23.1/21

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

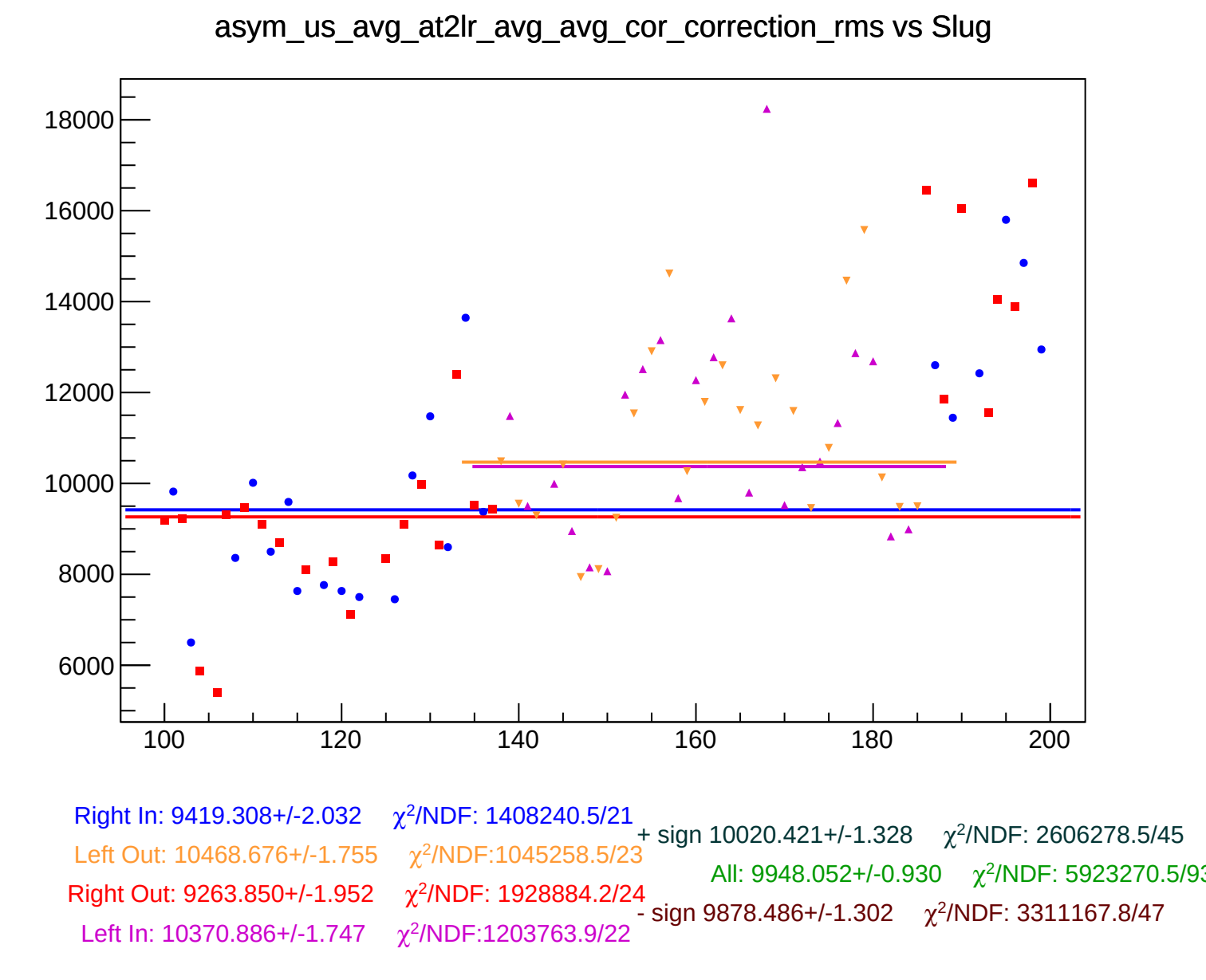
Right Out: 3270.459+/-2760.972 χ^2/NDF: 26.1/24

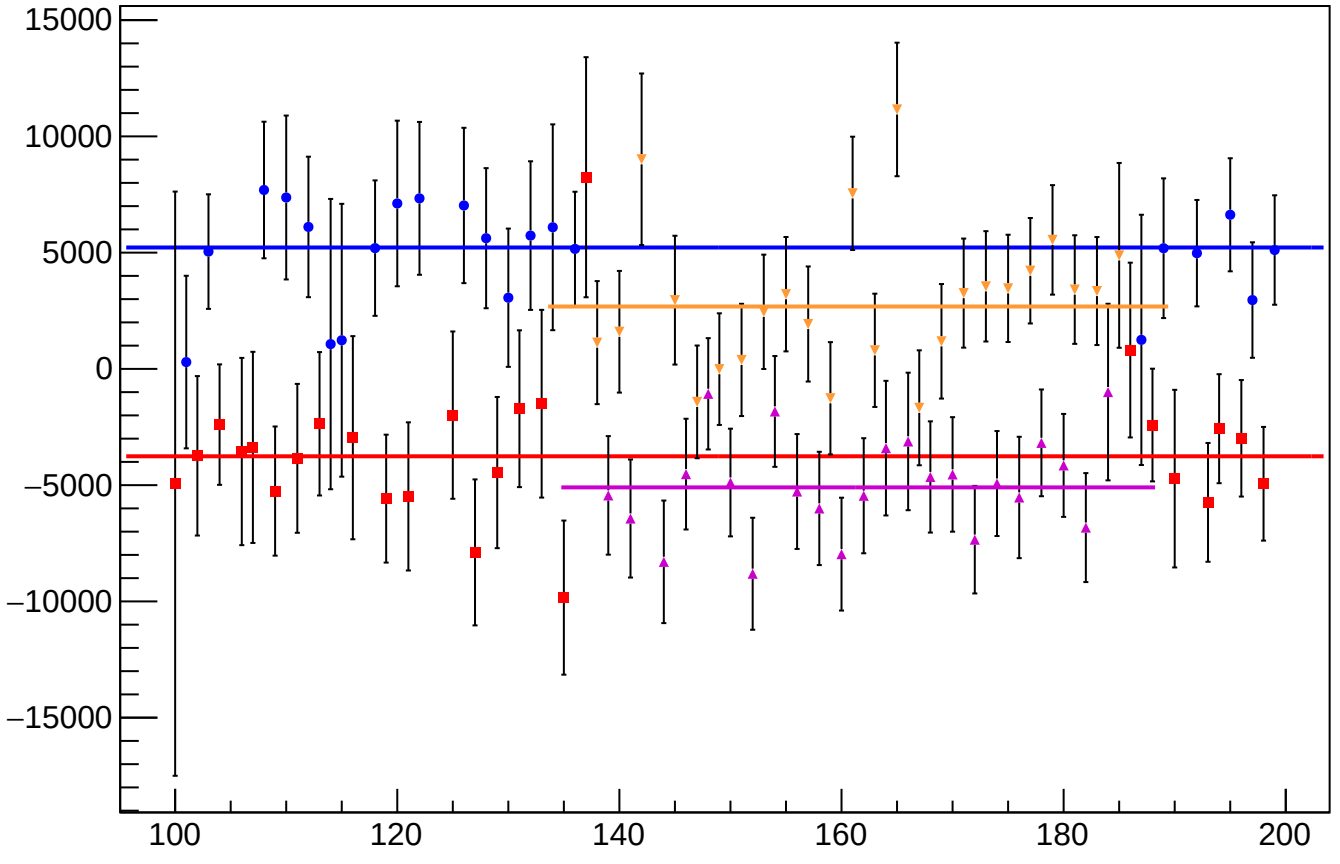
Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -562.431+/-1878.119 χ^2/NDF: 52.6/45

All: 517.674+/-1314.844 χ^2/NDF: 93.7/93

- sign 1555.918+/-1841.365 χ^2/NDF: 40.5/47


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9419.308+/-2.032 χ²/NDF: 1408240.5/21
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9263.850+/-1.952 χ²/NDF: 1928884.2/24
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
+ sign 10020.421+/-1.328 χ²/NDF: 2606278.5/45
All: 9948.052+/-0.930 χ²/NDF: 5923270.5/93
- sign 9878.486+/-1.302 χ²/NDF: 3311167.8/47



Right In: 5221.141+/-650.562 χ^2/NDF: 7.2/21

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3758.993+/-632.567 χ^2/NDF: 16.1/24

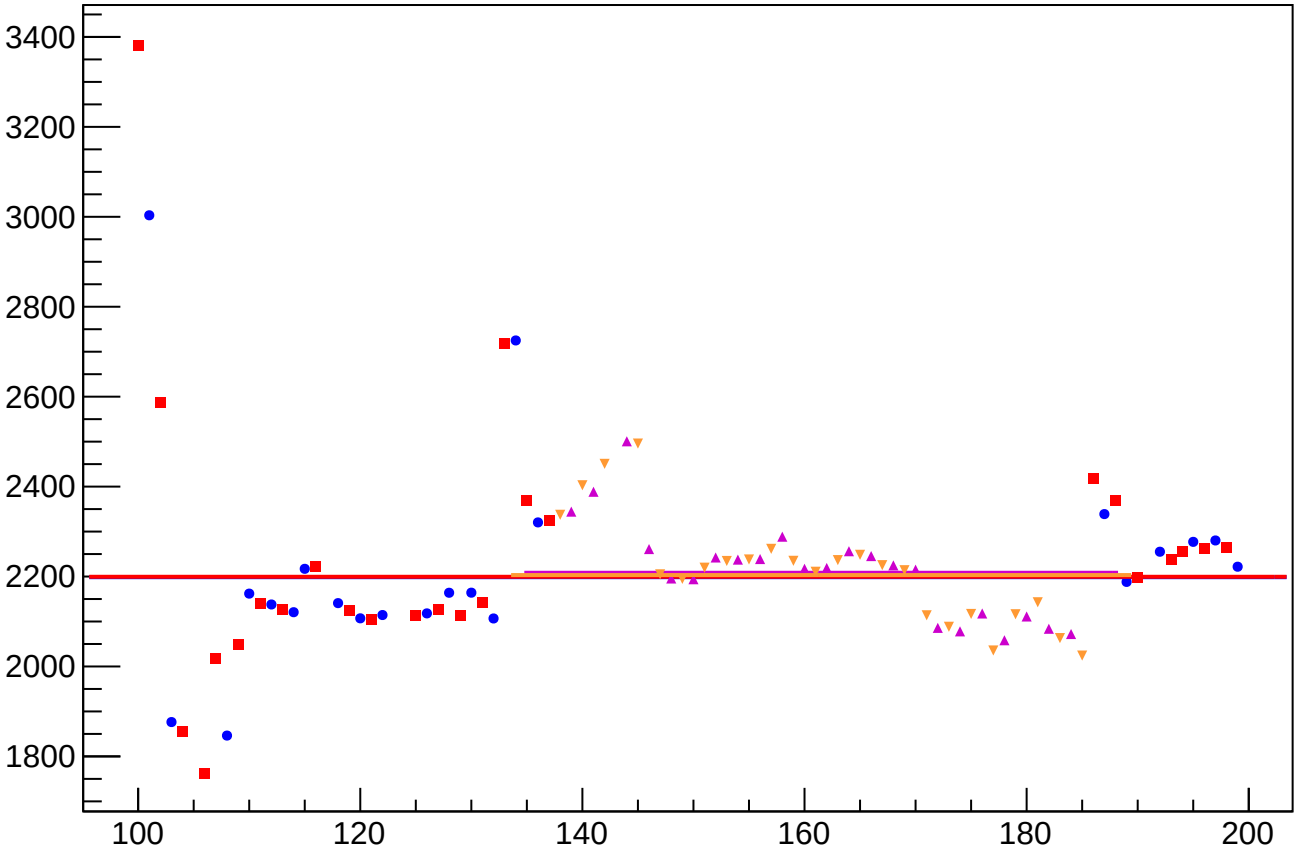
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3653.712+/-402.351 χ^2/NDF: 47.4/45

All: -478.577+/-283.653 χ^2/NDF: 290.8/93

- sign -4561.717+/-399.951 χ^2/NDF: 33.7/47

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2198.570+/-0.460 χ^2/NDF: 205413.3/21

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

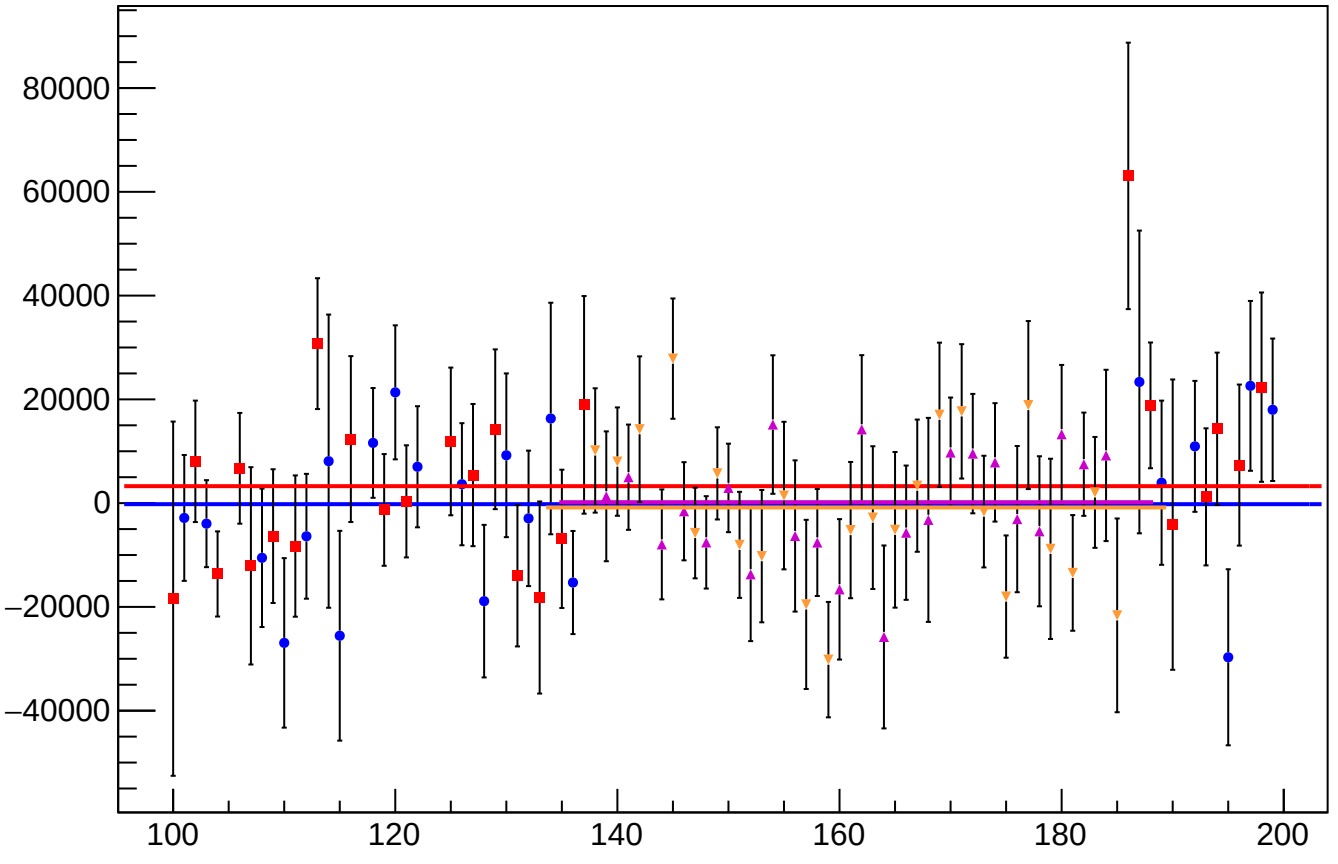
Right Out: 2199.453+/-0.446 χ^2/NDF: 187035.9/24

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.489+/-0.285 χ^2/NDF: 293686.8/45

All: 2203.155+/-0.200 χ^2/NDF: 562025.0/93

- sign 2204.798+/-0.282 χ^2/NDF: 268270.1/47



Right In: -198.981+/-2873.588 χ^2/NDF: 23.1/21

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

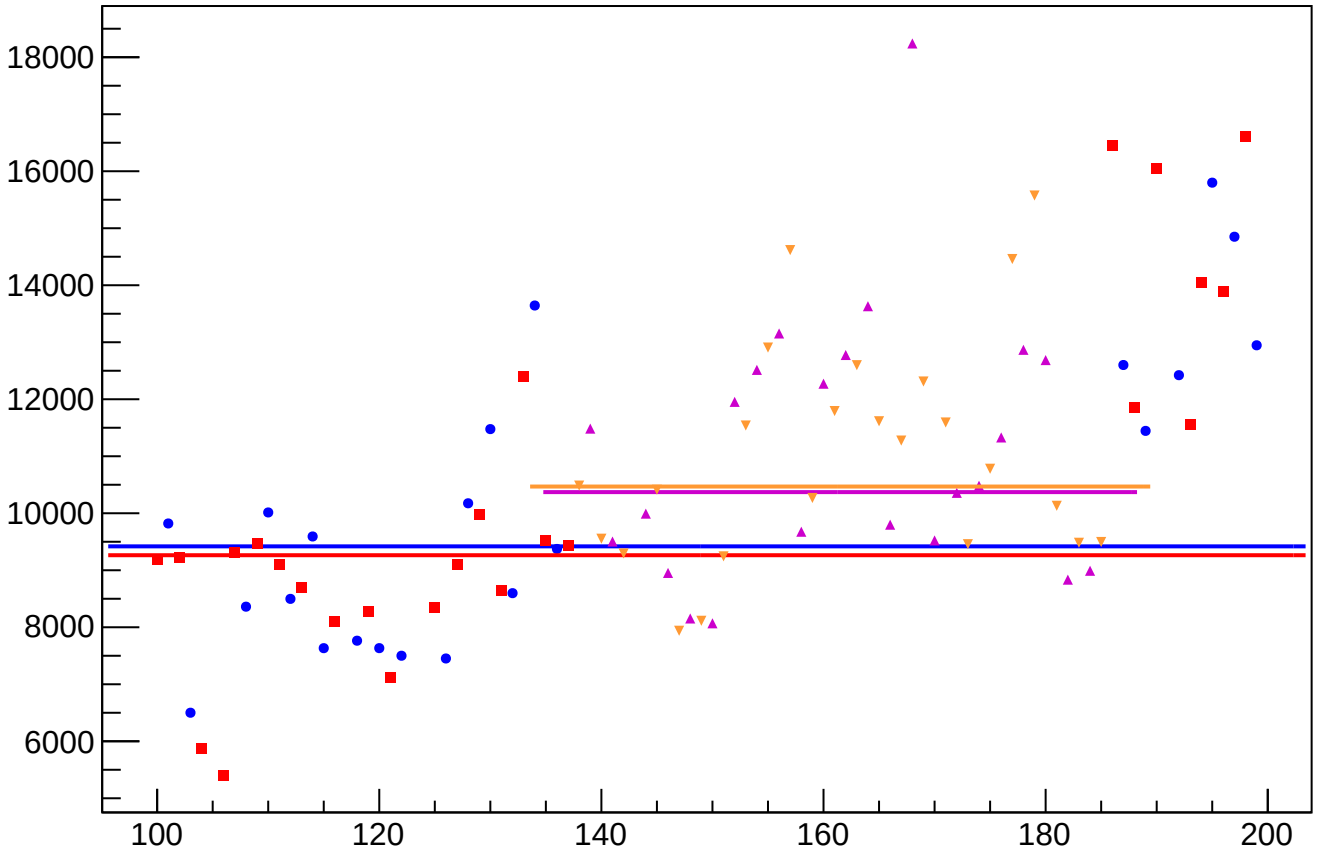
Right Out: 3270.459+/-2760.972 χ^2/NDF: 26.1/24

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -562.431+/-1878.119 χ^2/NDF: 52.6/45

All: 517.674+/-1314.844 χ^2/NDF: 93.7/93

- sign 1555.918+/-1841.365 χ^2/NDF: 40.5/47



Right In: 9419.308+/-2.032 χ^2/NDF: 1408240.5/21

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9263.850+/-1.952 χ^2/NDF: 1928884.2/24

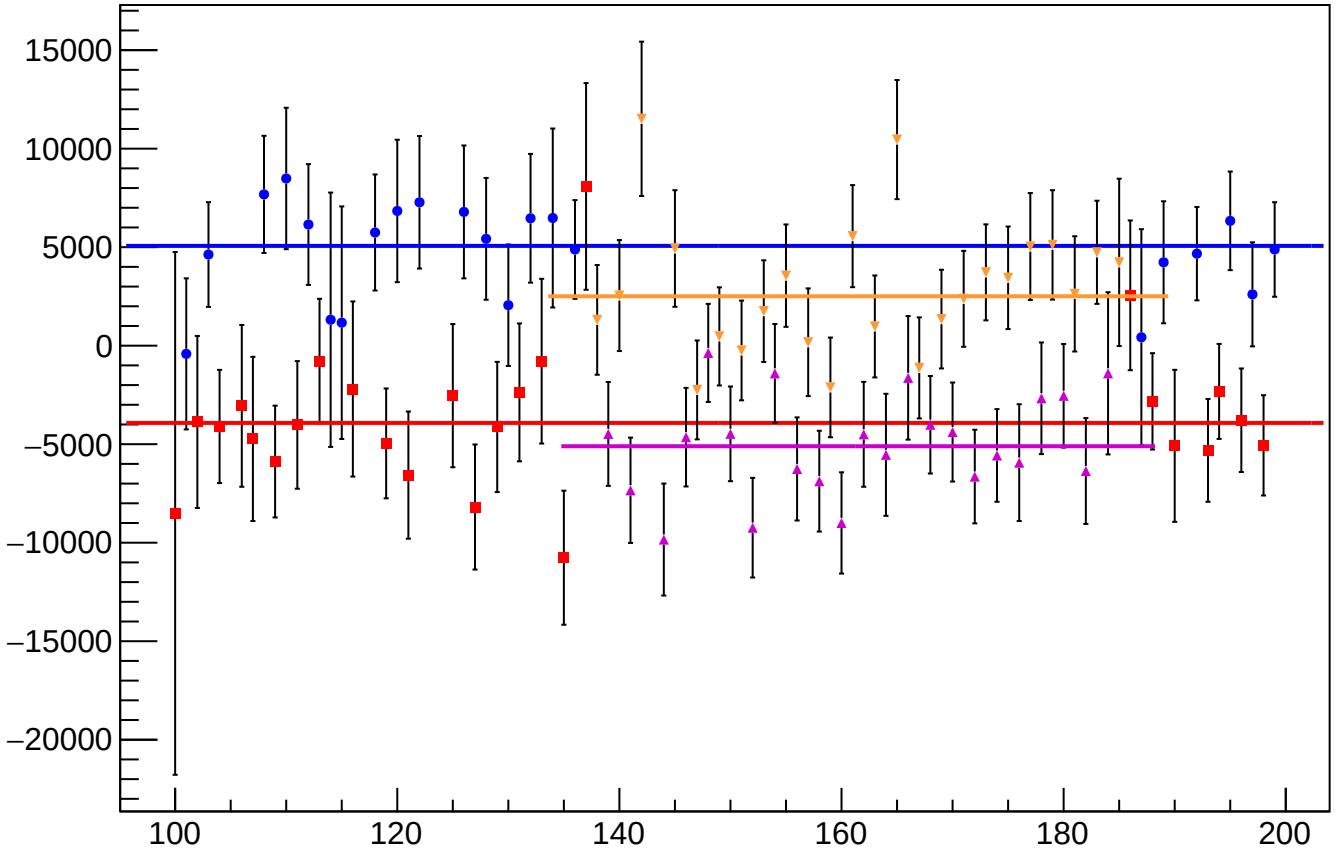
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10020.421+/-1.328 χ^2/NDF: 2606278.5/45

All: 9948.052+/-0.930 χ^2/NDF: 5923270.5/93

- sign 9878.486+/-1.302 χ^2/NDF: 3311167.8/47

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5065.185+/-669.461 χ^2/NDF: 8.8/21

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3920.032+/-653.546 χ^2/NDF: 18.8/24

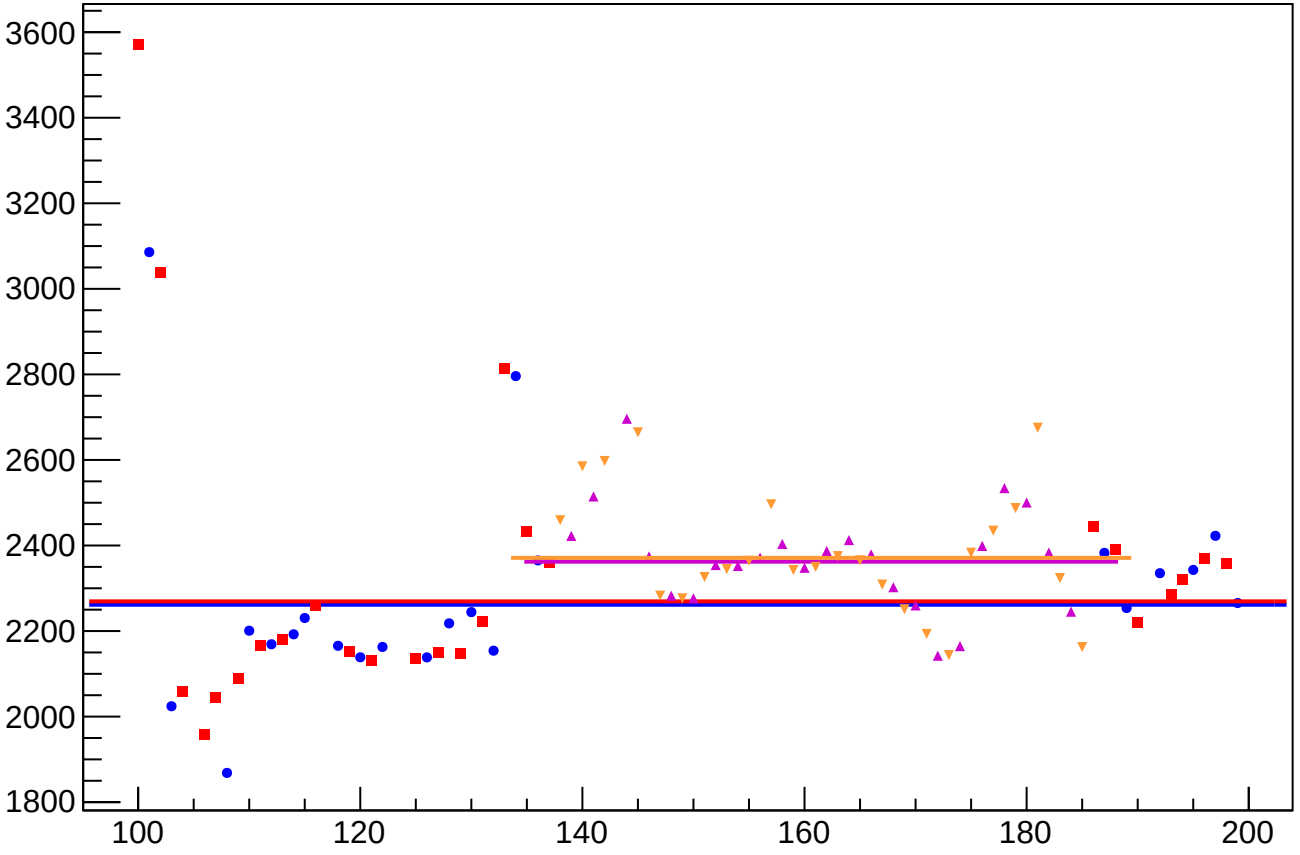
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3542.625+/-425.710 χ^2/NDF: 47.3/45

All: -569.608+/-299.690 χ^2/NDF: 272.9/93

- sign -4609.848+/-421.967 χ^2/NDF: 40.6/47

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.561+/-0.473 χ^2/NDF: 201098.1/21

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

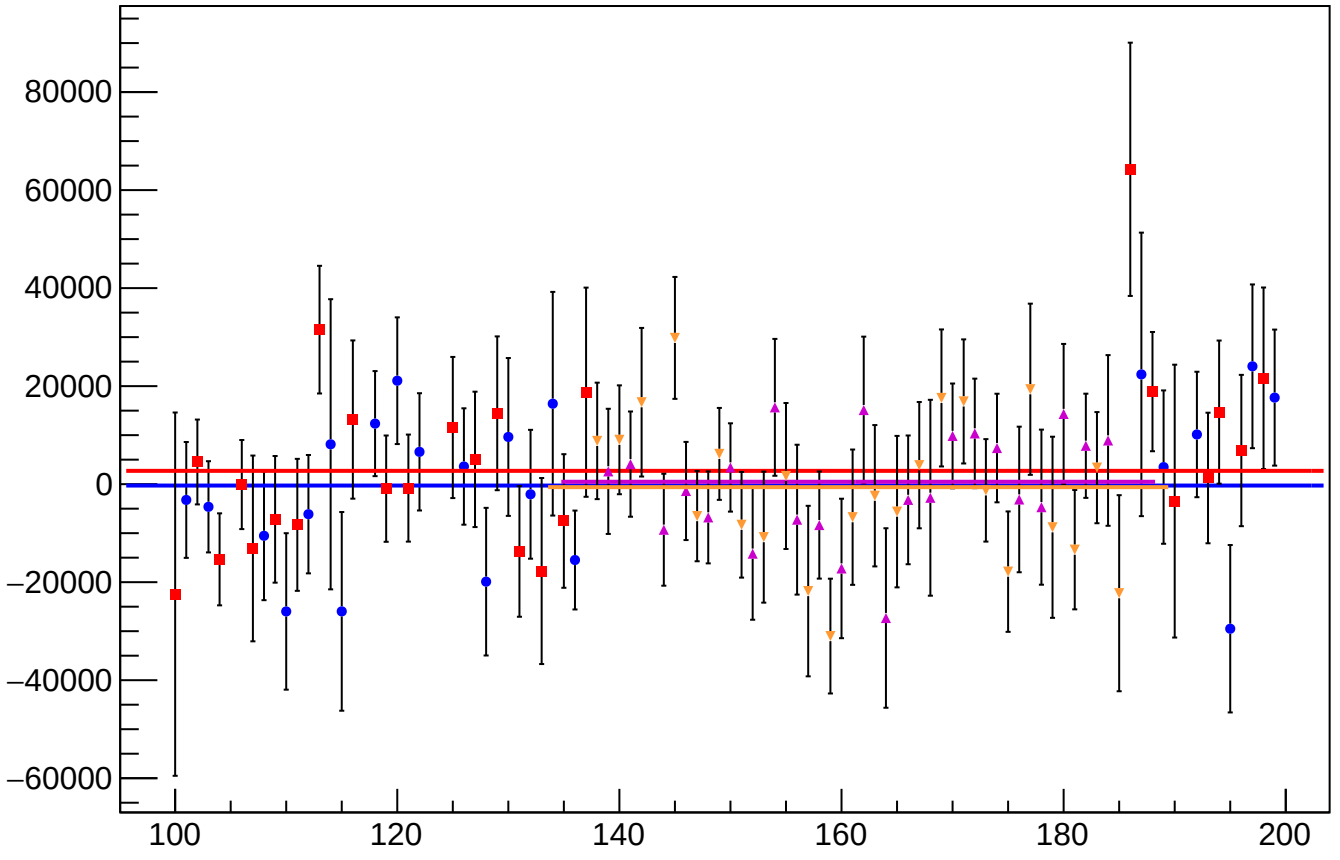
Right Out: 2269.437+/-0.462 χ^2/NDF: 192251.9/24

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2326.828+/-0.301 χ^2/NDF: 349308.8/45

All: 2325.161+/-0.212 χ^2/NDF: 657033.3/93

- sign 2323.523+/-0.298 χ^2/NDF: 307663.8/47



Right In: -284.064+/-2923.417 χ^2/NDF: 22.9/21

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

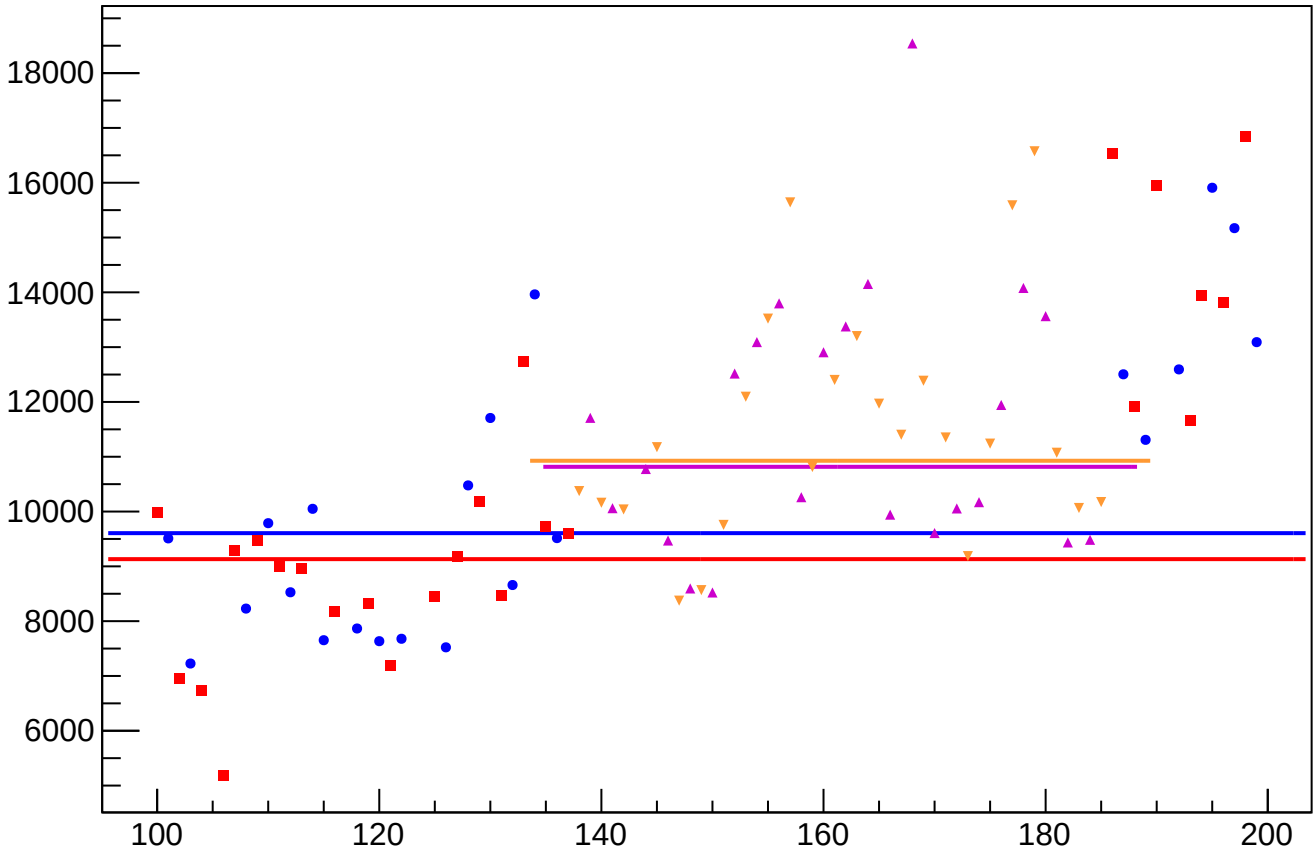
Right Out: 2715.232+/-2716.432 χ^2/NDF: 25.8/24

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -465.714+/-1938.583 χ^2/NDF: 51.8/45

All: 575.594+/-1345.750 χ^2/NDF: 92.1/93

- sign 1544.158+/-1869.645 χ^2/NDF: 39.7/47



Right In: 9605.946+/-2.067 χ^2/NDF: 1298068.6/21

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

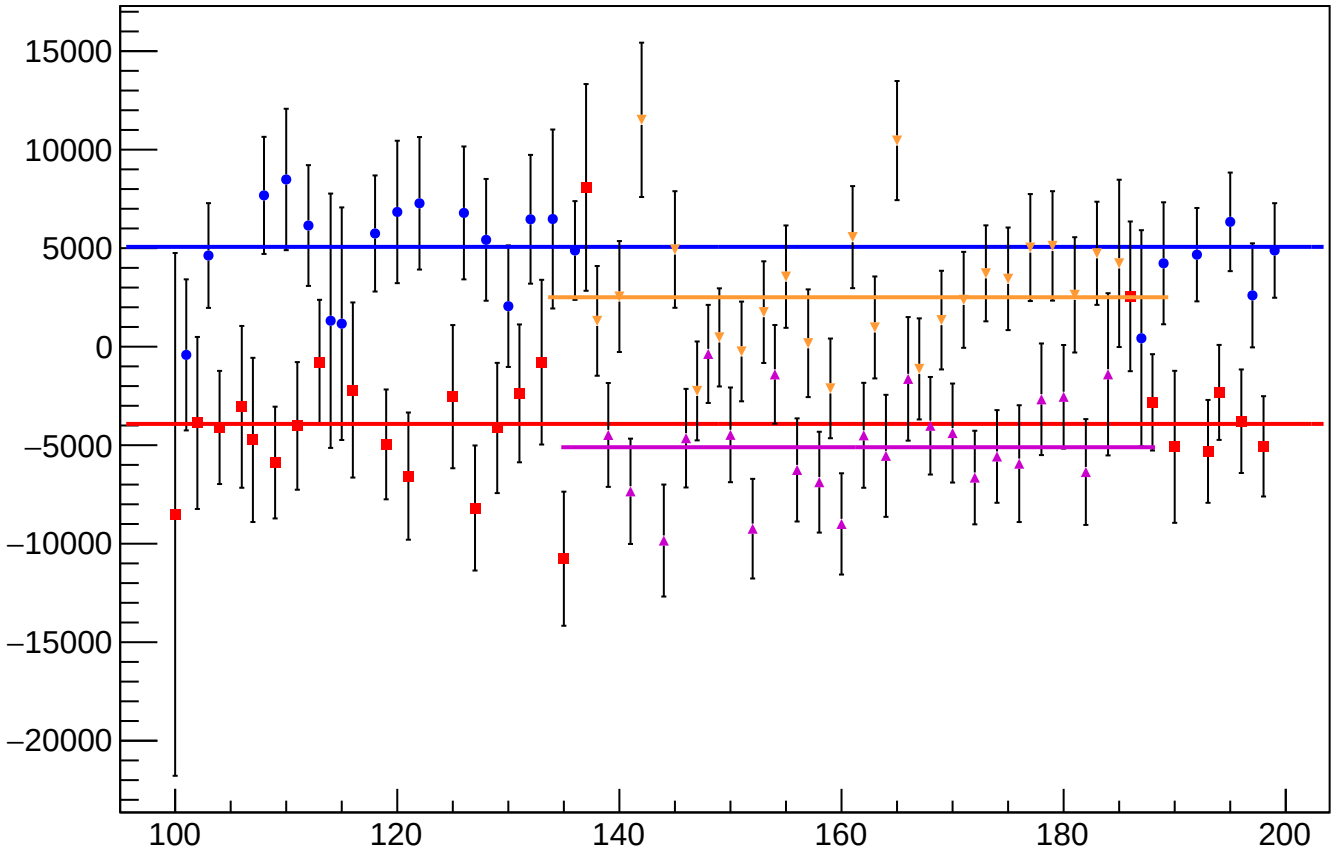
Right Out: 9131.676+/-1.921 χ^2/NDF: 2023183.4/24

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10346.013+/-1.371 χ^2/NDF: 2584167.2/45

All: 10176.212+/-0.952 χ^2/NDF: 6238612.1/9

- sign 10018.272+/-1.322 χ^2/NDF: 3624828.5/47



Right In: 5065.183+/-669.461 χ^2/NDF: 8.8/21

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3920.032+/-653.546 χ^2/NDF: 18.8/24

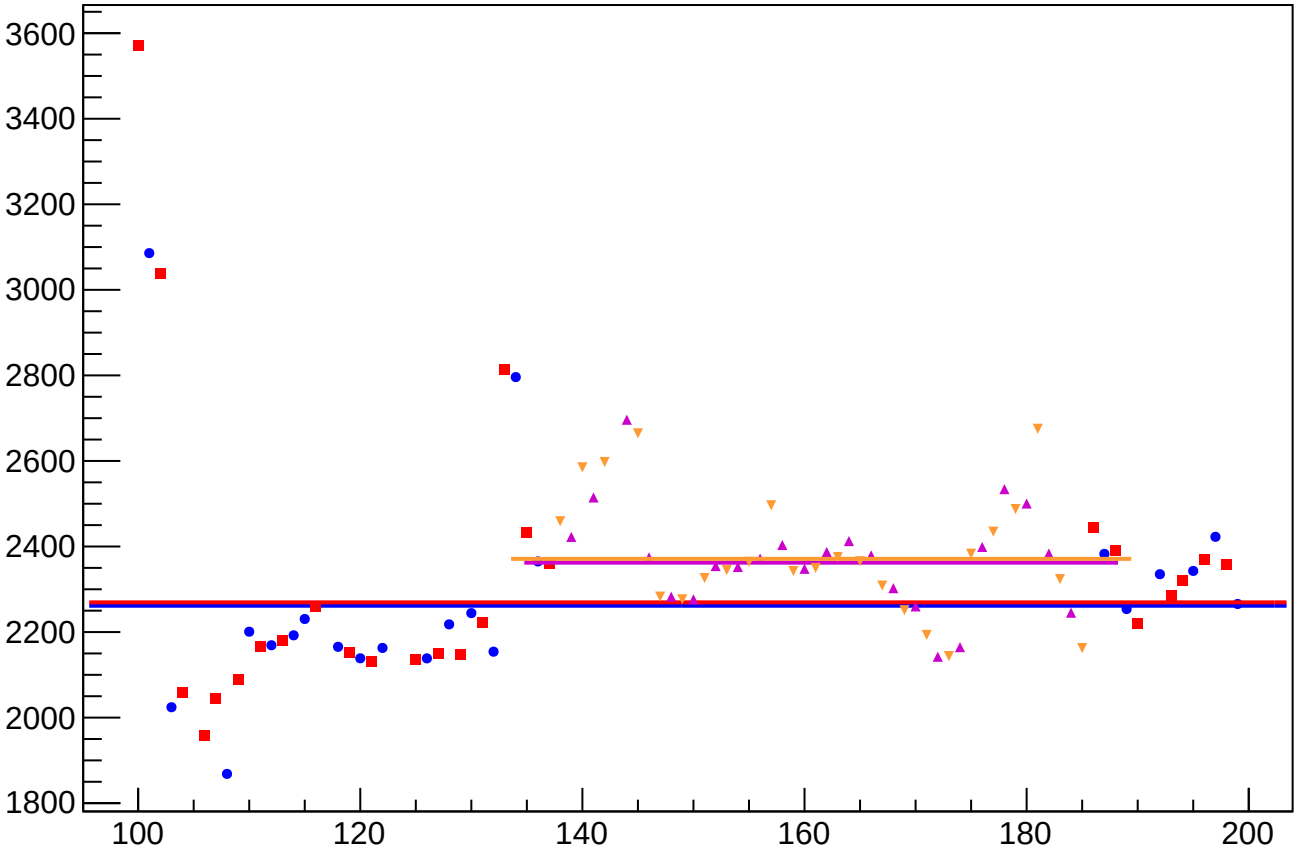
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3542.619+/-425.710 χ^2/NDF: 47.3/45

All: -569.611+/-299.691 χ^2/NDF: 272.9/93

- sign -4609.848+/-421.967 χ^2/NDF: 40.6/47

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.561+/-0.473 χ^2/NDF: 201098.5/21

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

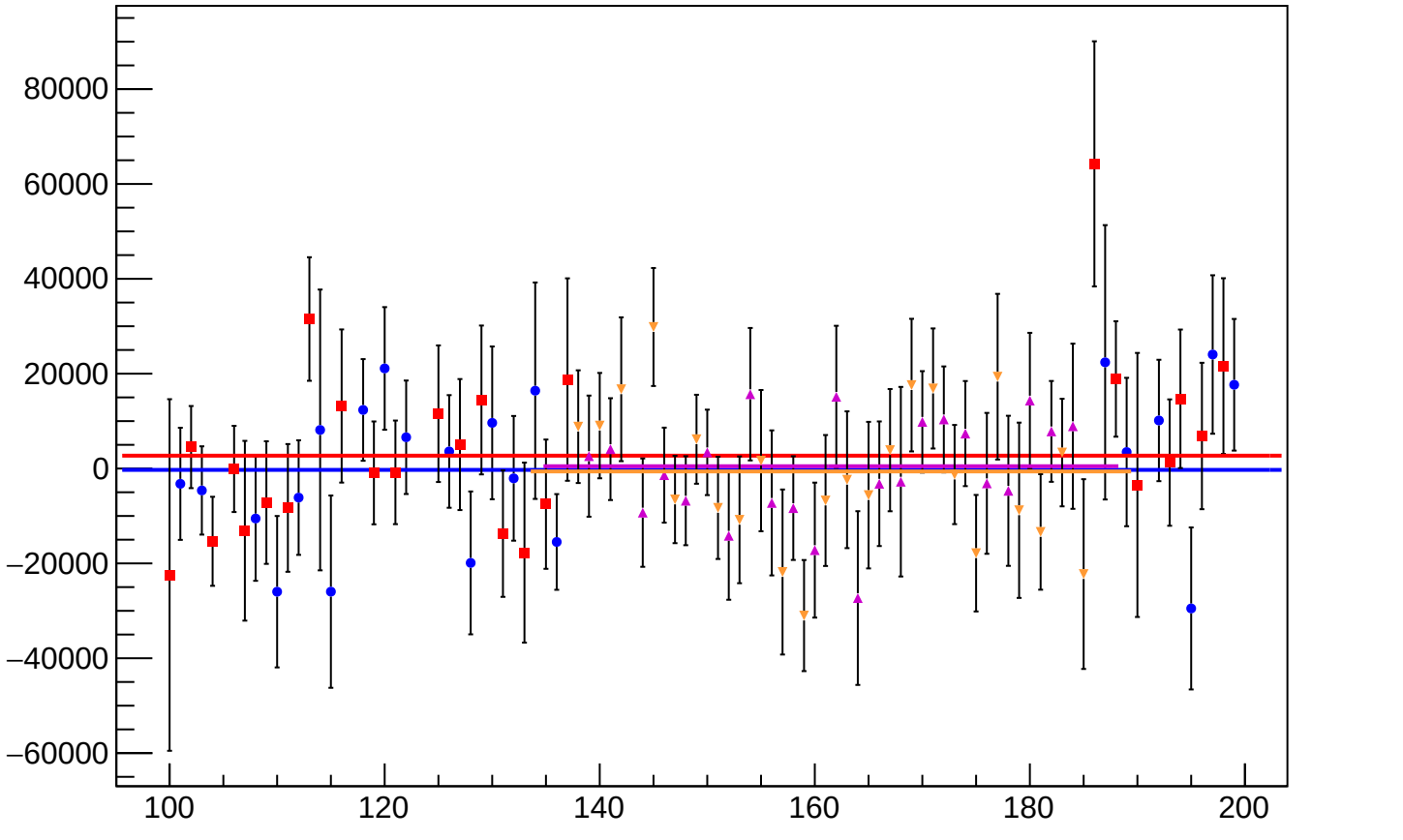
Right Out: 2269.437+/-0.462 χ^2/NDF: 192252.2/24

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2326.829+/-0.301 χ^2/NDF: 349315.7/45

All: 2325.162+/-0.212 χ^2/NDF: 657046.8/93

- sign 2323.525+/-0.298 χ^2/NDF: 307670.4/47



Right In: -284.054+/-2923.413 χ^2/NDF: 22.9/21

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

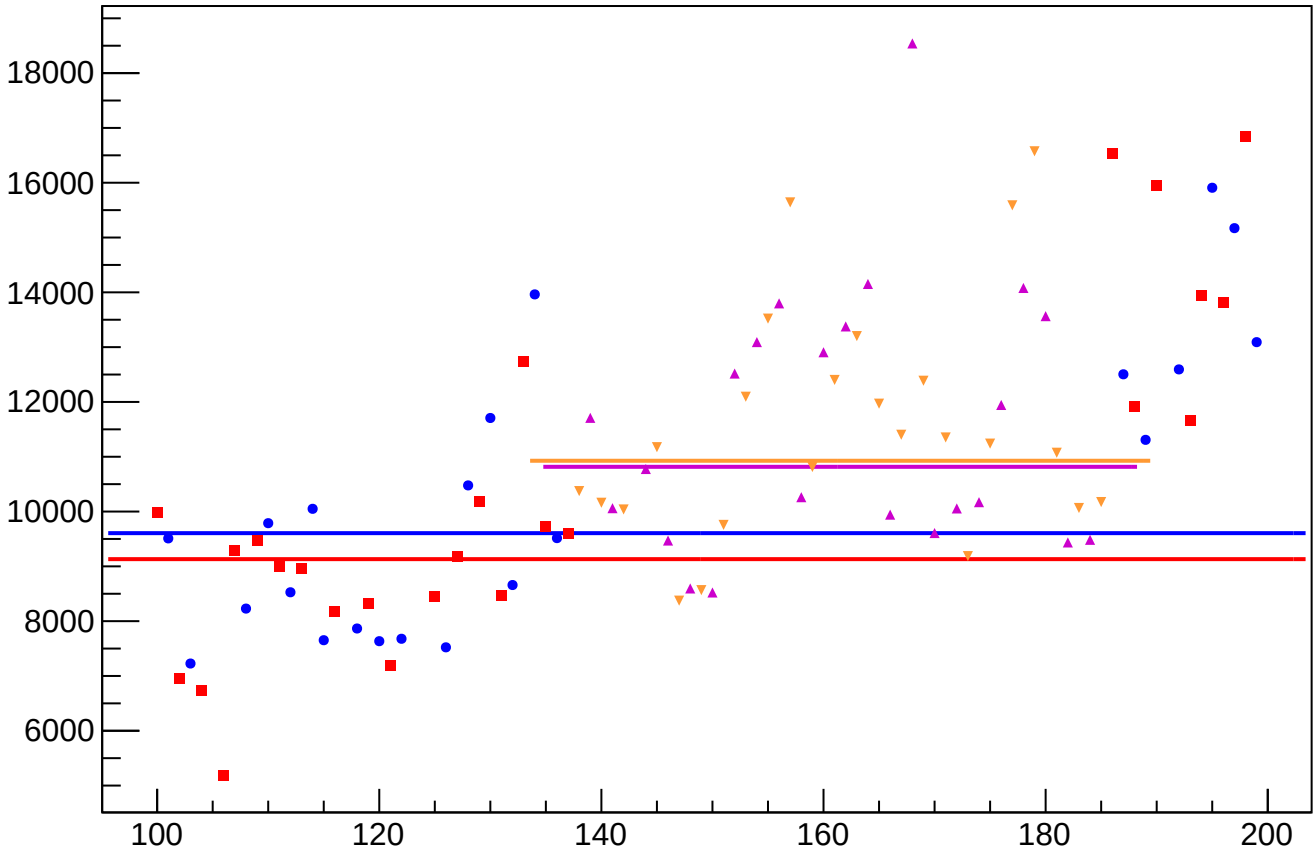
Right Out: 2715.217+/-2716.428 χ^2/NDF: 25.8/24

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -465.713+/-1938.584 χ^2/NDF: 51.8/45

All: 575.593+/-1345.751 χ^2/NDF: 92.1/93

- sign 1544.155+/-1869.646 χ^2/NDF: 39.7/47



Right In: 9605.927+/-2.067 χ^2/NDF: 1298084.3/21

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

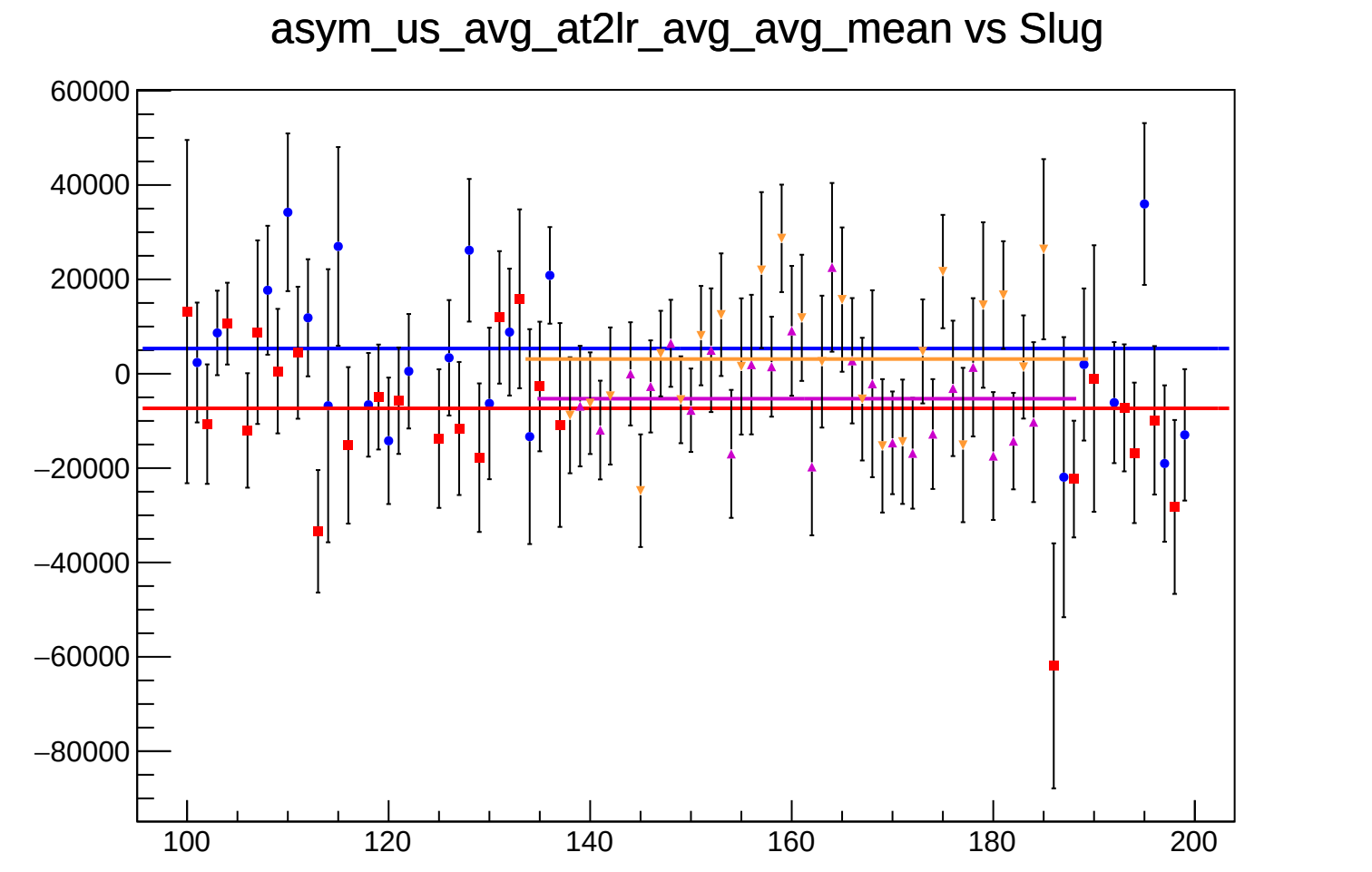
Right Out: 9131.659+/-1.921 χ^2/NDF: 2023194.4/24

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10346.012+/-1.371 χ^2/NDF: 2584198.2/45

All: 10176.210+/-0.952 χ^2/NDF: 6238674.2/9

- sign 10018.270+/-1.322 χ^2/NDF: 3624859.4/47



Right In: 5345.268+/-2969.688 χ^2/NDF: 23.2/21

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

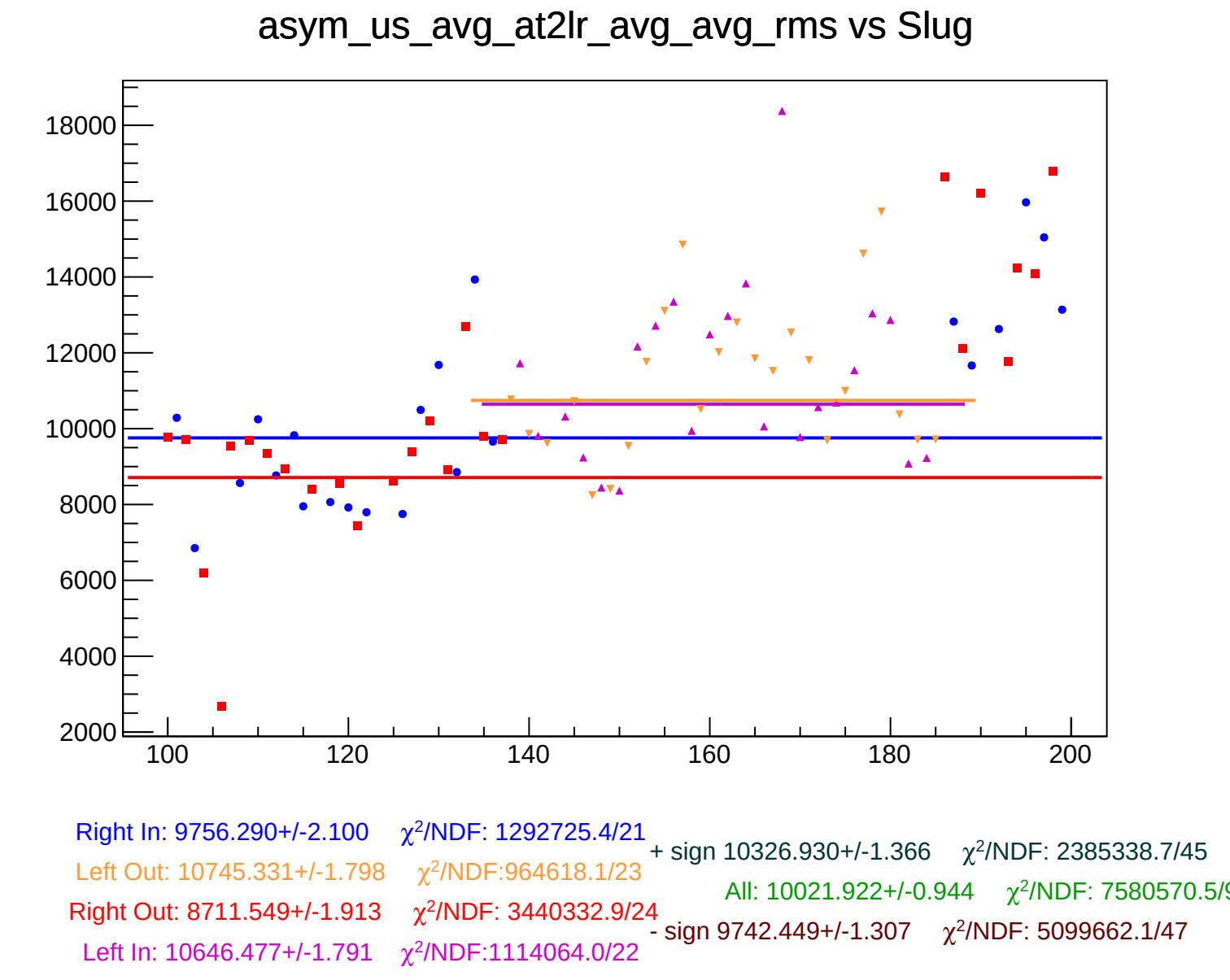
Right Out: -7333.447+/-2870.033 χ^2/NDF: 22.8/24

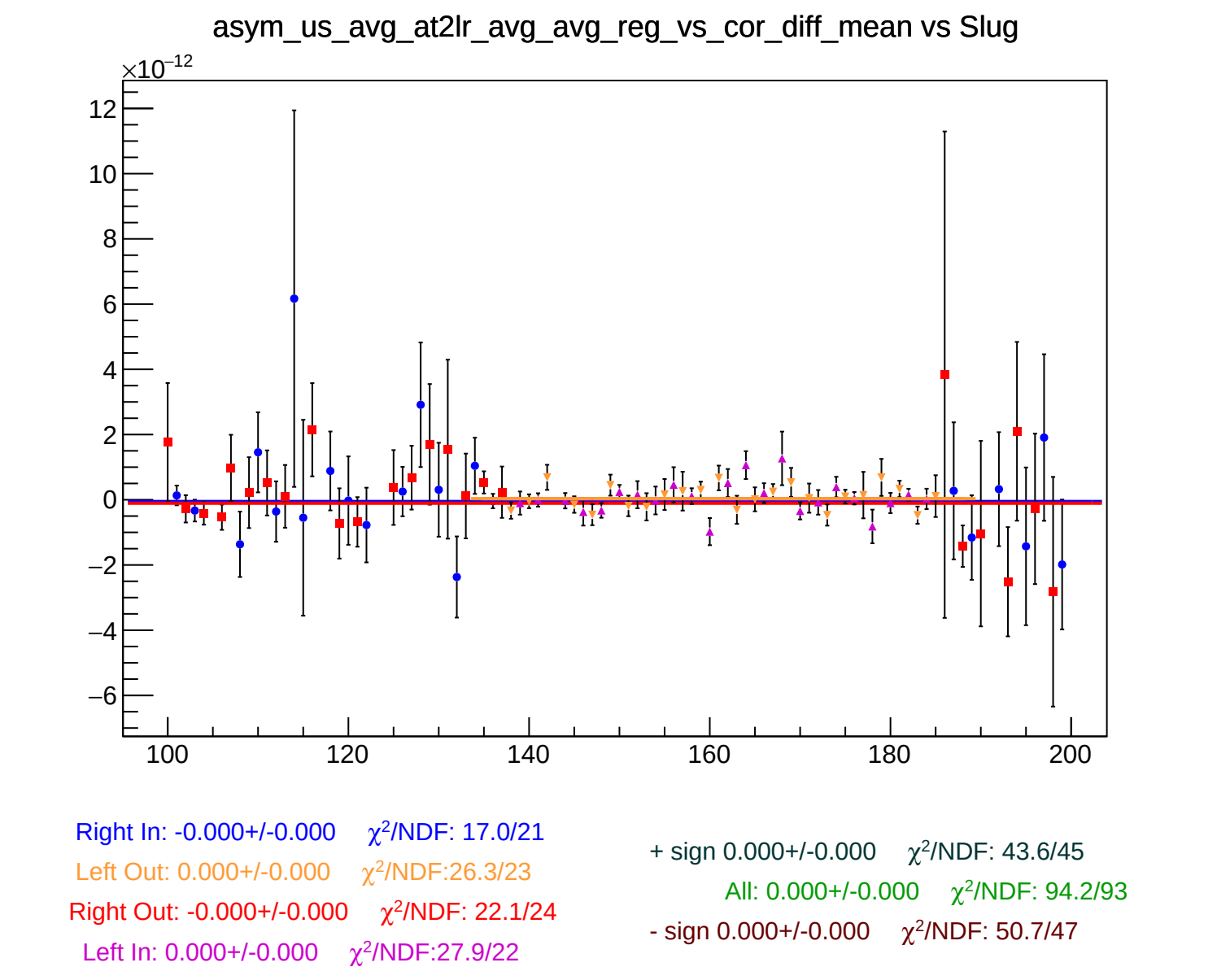
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

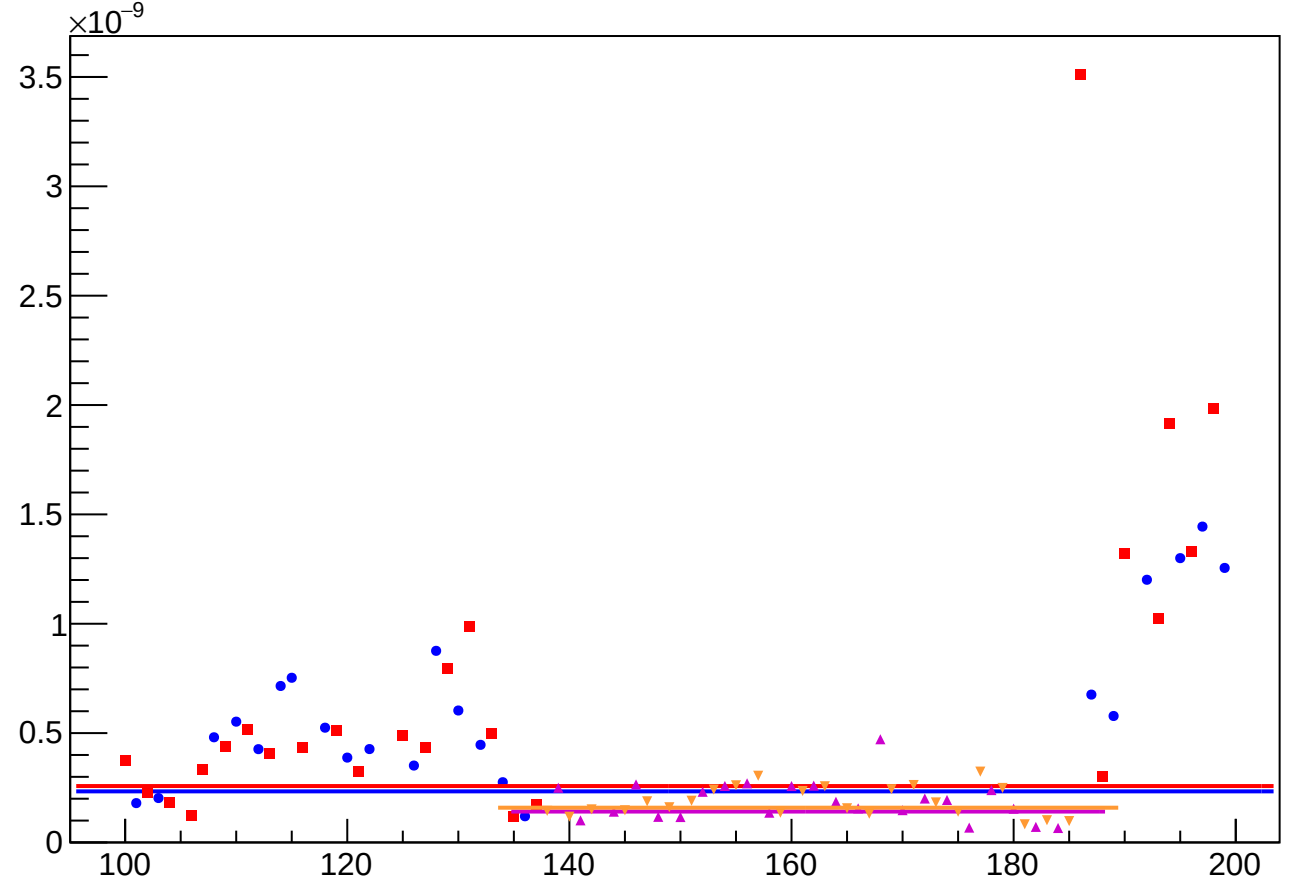
+ sign 4060.876+/-1931.512 χ^2/NDF: 51.0/45

All: -1148.735+/-1354.193 χ^2/NDF: 101.7/93

- sign -6185.152+/-1899.134 χ^2/NDF: 36.4/47


asym_us_avg_at2lr_avg_avg_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9756.290+/-2.100 χ²/NDF: 1292725.4/21
Left Out: 10745.331+/-1.798 χ²/NDF:964618.1/23
Right Out: 8711.549+/-1.913 χ²/NDF: 3440332.9/24
Left In: 10646.477+/-1.791 χ²/NDF:1114064.0/22
+ sign 10326.930+/-1.366 χ²/NDF: 2385338.7/45
All: 10021.922+/-0.944 χ²/NDF: 7580570.5/9
- sign 9742.449+/-1.307 χ²/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: 17.0/21
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: 43.6/45
All: 0.000+/-0.000 χ²/NDF: 94.2/93
- sign 0.000+/-0.000 χ²/NDF: 50.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3903621.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

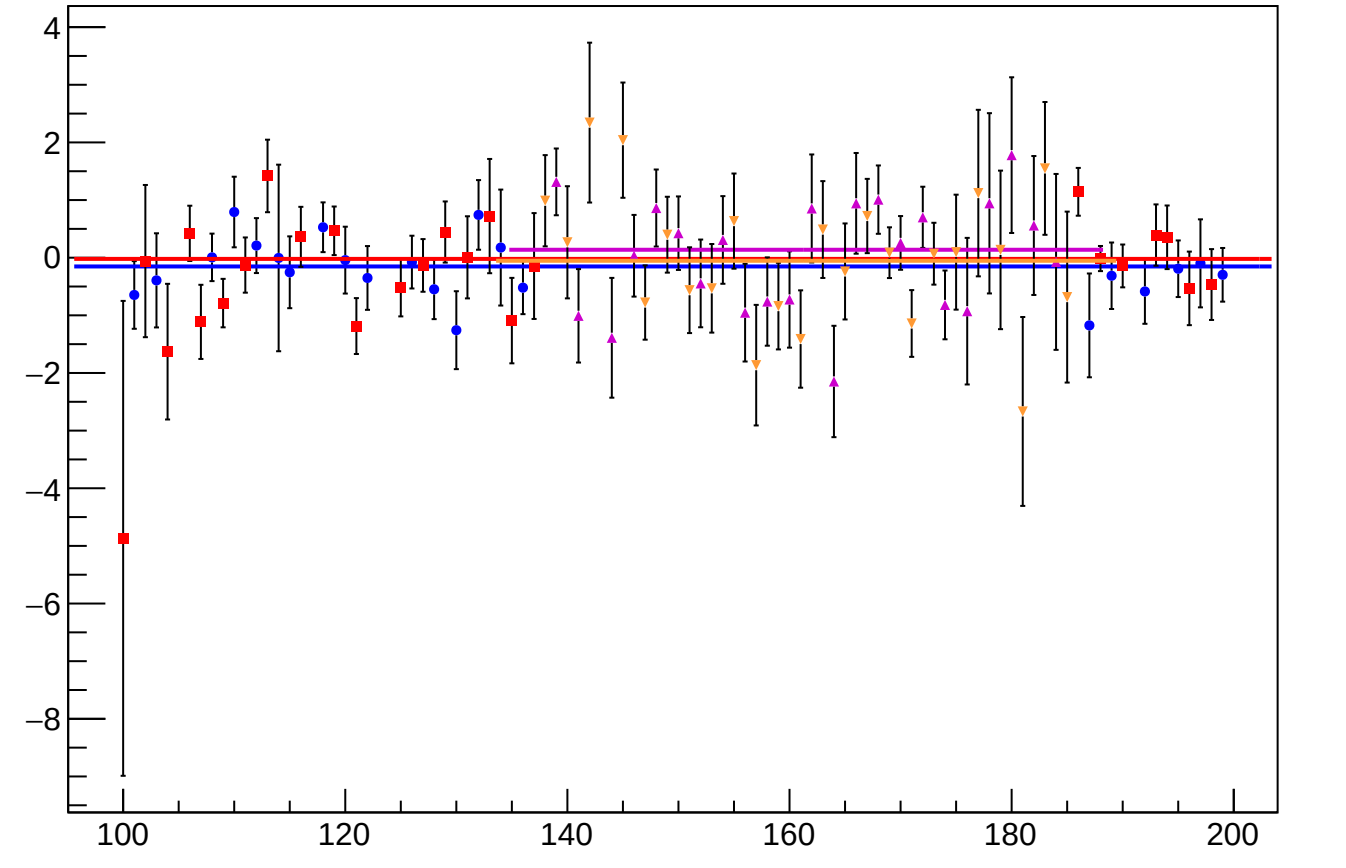
Right Out: 0.000+/-0.000 χ^2/NDF: 4354723.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5671329.9/45

All: 0.000+/-0.000 χ^2/NDF: 13521061.6/93

- sign 0.000+/-0.000 χ^2/NDF: 7784220.4/47



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

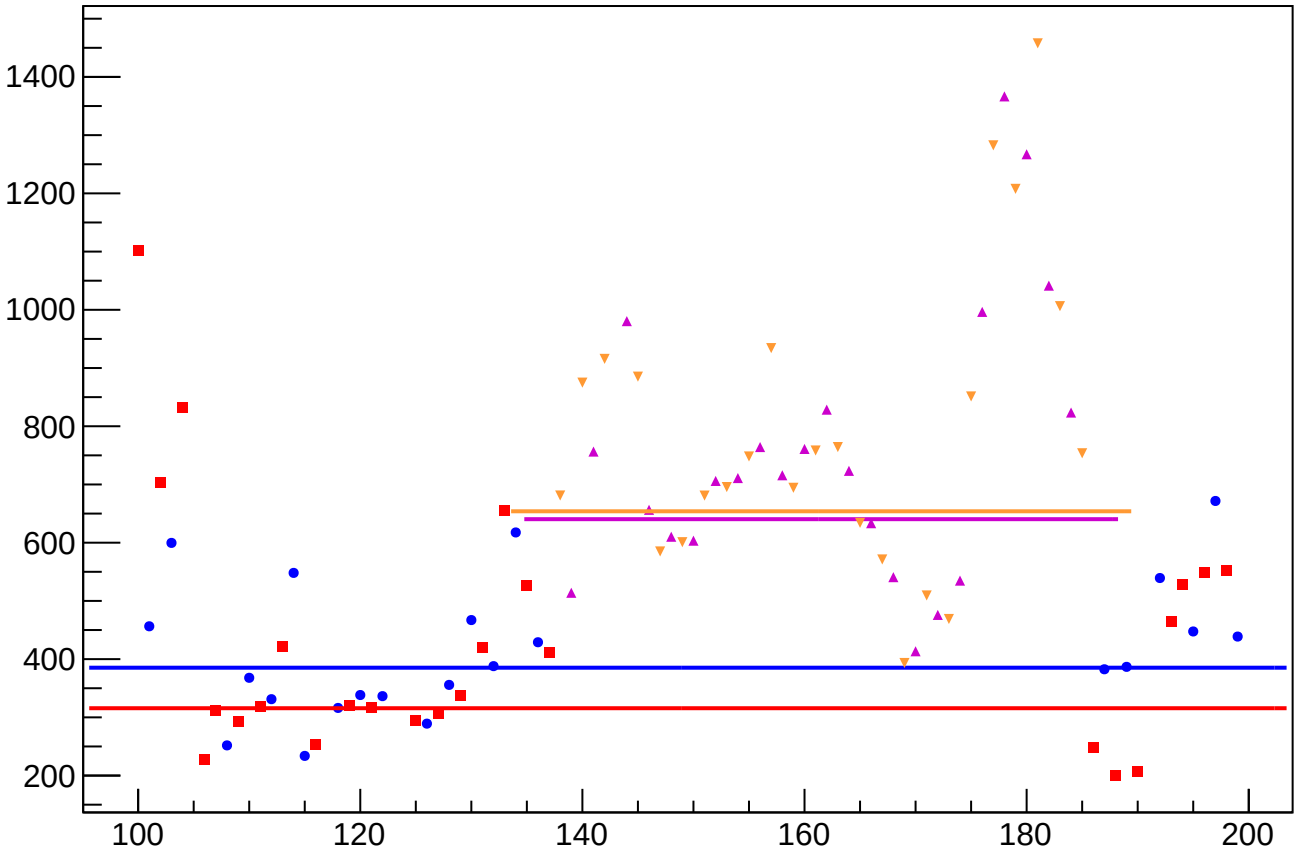
Right Out: -0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.117+/-0.096 χ^2/NDF: 45.3/45

All: -0.037+/-0.064 χ^2/NDF: 115.1/93

- sign 0.025+/-0.085 χ^2/NDF: 68.6/47



Right In: 385.284+/-0.085 χ^2/NDF: 1362299.9/21

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

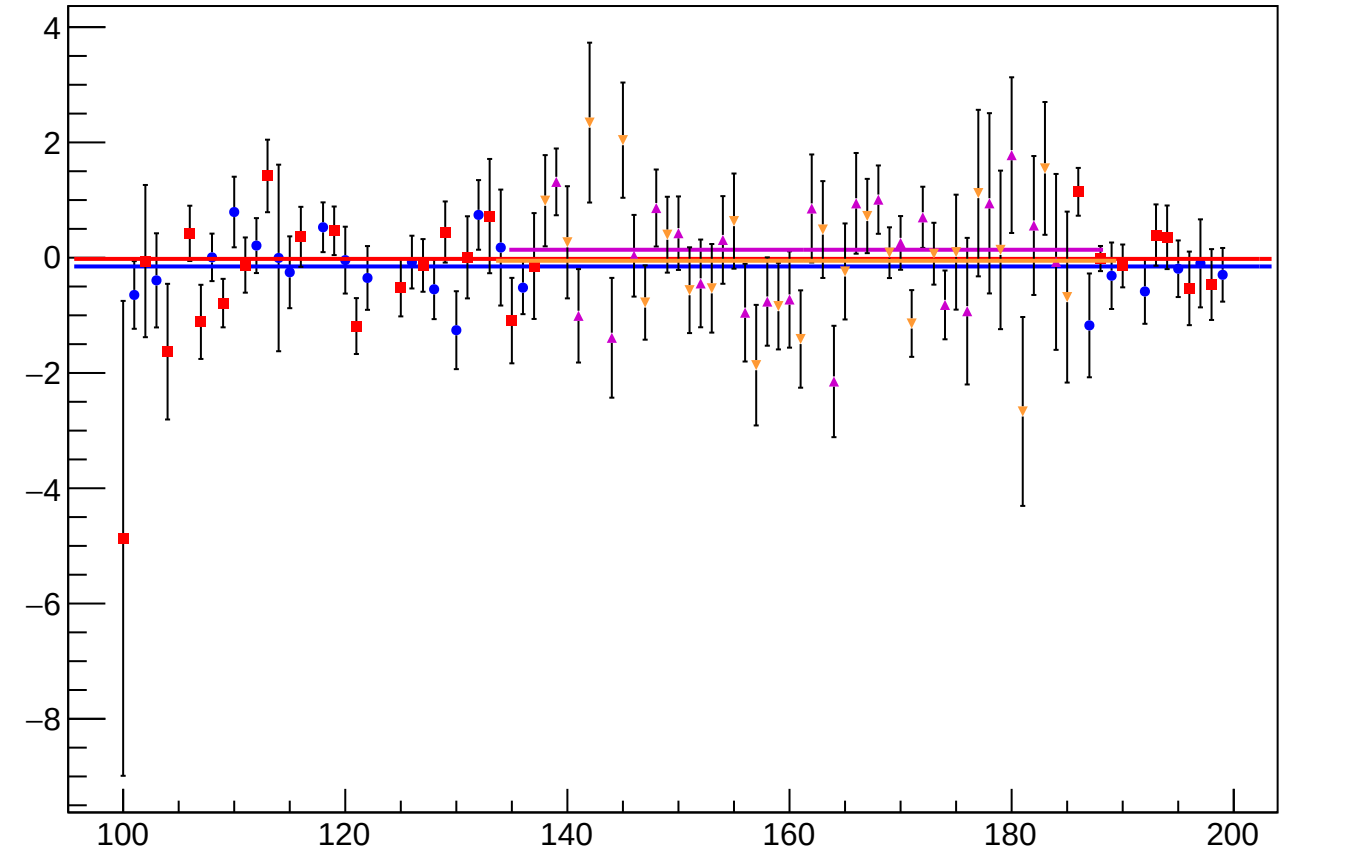
Right Out: 315.692+/-0.071 χ^2/NDF: 3065710.2/24

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 481.386+/-0.068 χ^2/NDF: 8048794.6/45

All: 440.953+/-0.045 χ^2/NDF: 20398594.9/93

- sign 409.639+/-0.060 χ^2/NDF: 11726628.3/47



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

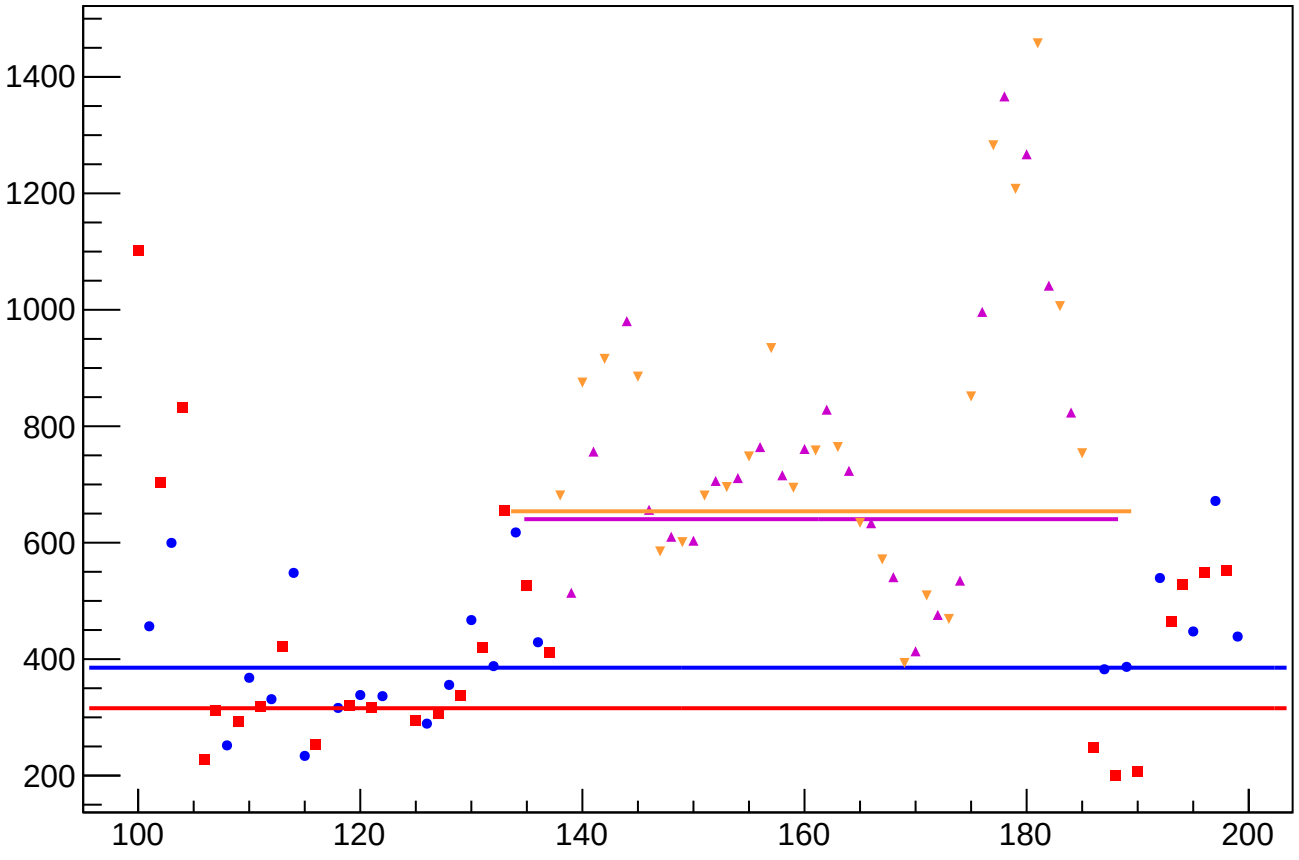
Right Out: -0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.117+/-0.096 χ^2/NDF: 45.3/45

All: -0.037+/-0.064 χ^2/NDF: 115.1/93

- sign 0.025+/-0.085 χ^2/NDF: 68.6/47



Right In: 385.284+/-0.085 χ^2/NDF: 1362299.9/21

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

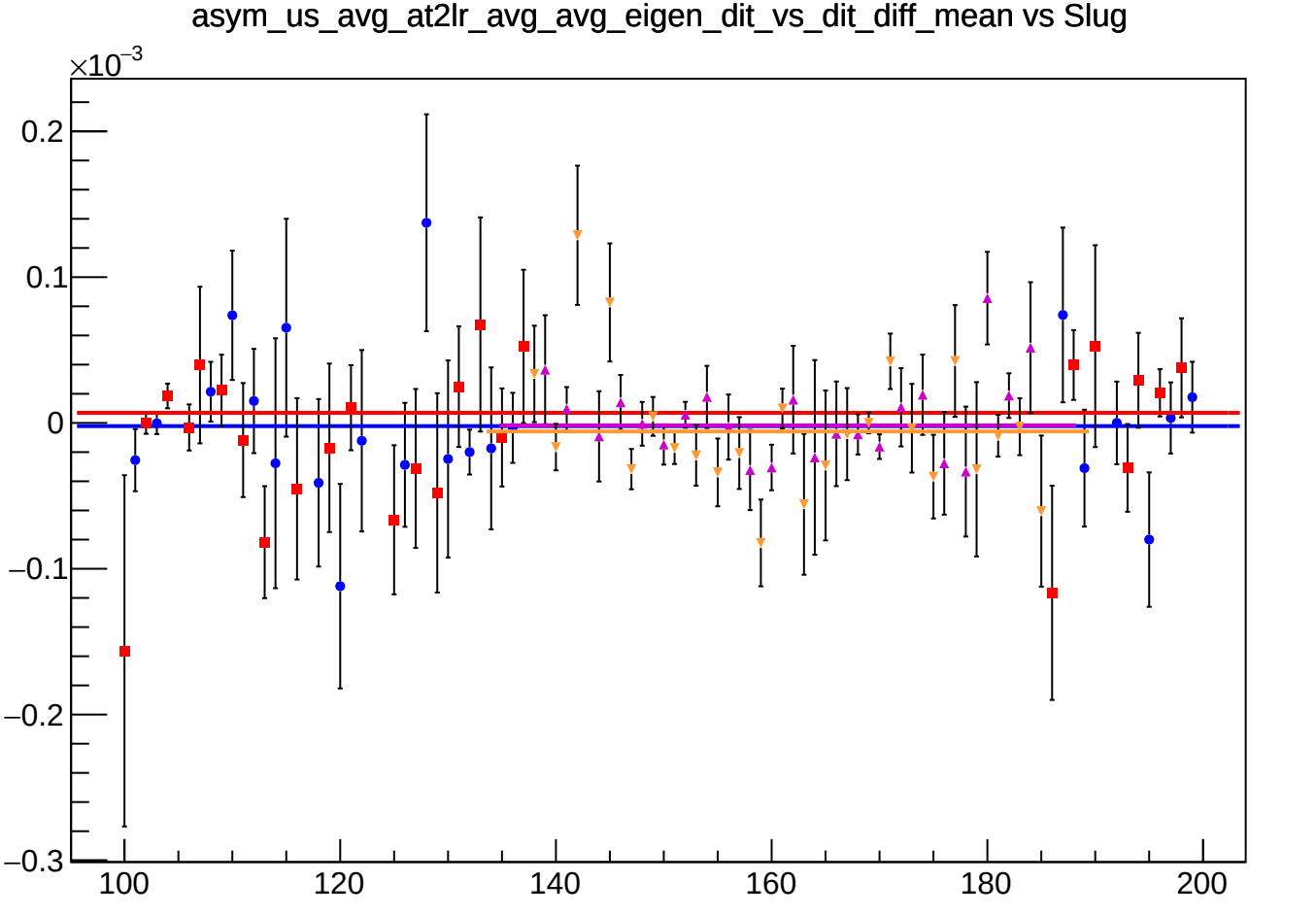
Right Out: 315.692+/-0.071 χ^2/NDF: 3065710.2/24

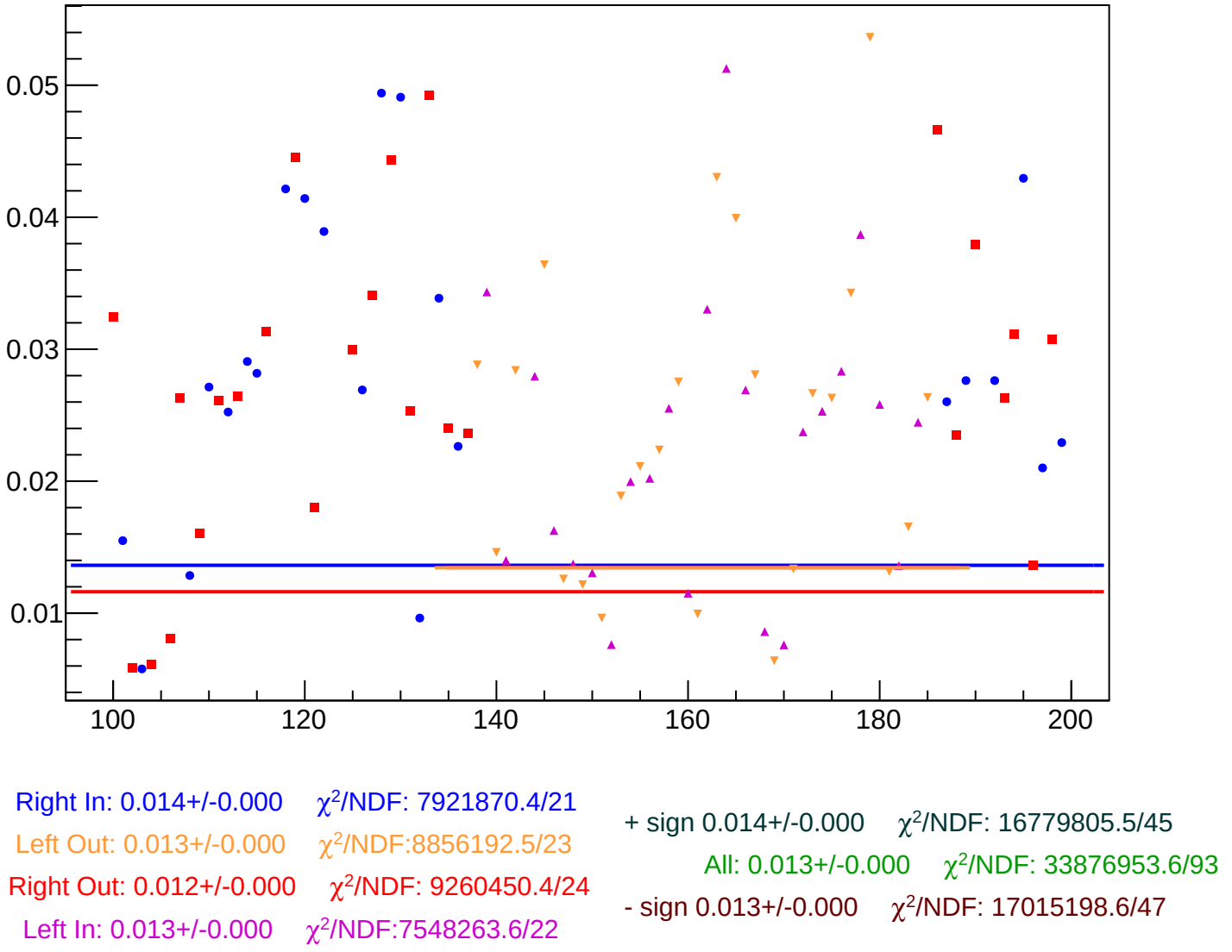
Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

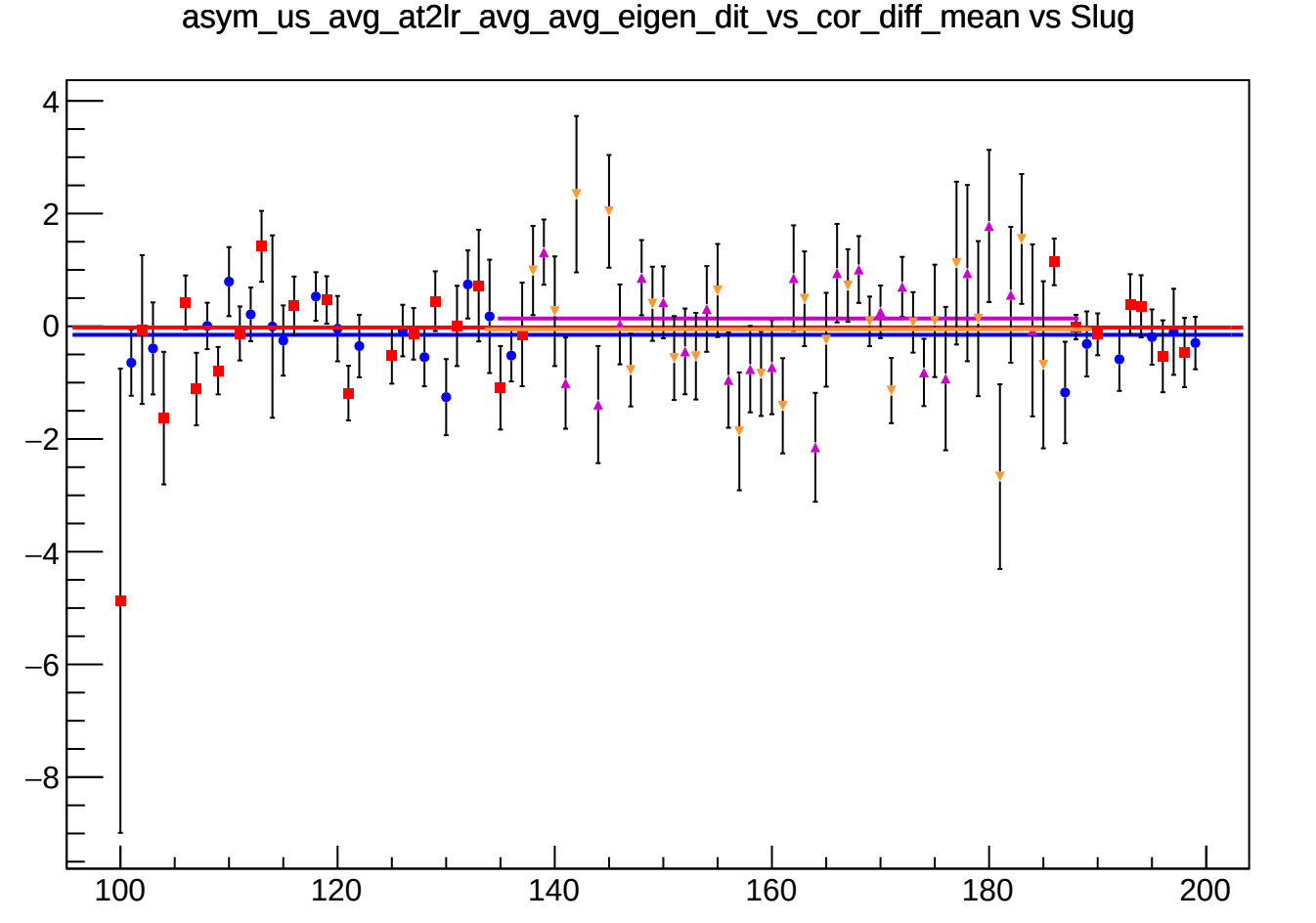
+ sign 481.386+/-0.068 χ^2/NDF: 8048794.6/45

All: 440.953+/-0.045 χ^2/NDF: 20398594.9/93

- sign 409.639+/-0.060 χ^2/NDF: 11726628.3/47


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.8/21
Left Out: -0.000+/-0.000 χ²/NDF:42.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 26.1/24
Left In: -0.000+/-0.000 χ²/NDF:25.6/22
+ sign -0.000+/-0.000 χ²/NDF: 63.7/45
All: -0.000+/-0.000 χ²/NDF: 120.1/93
- sign 0.000+/-0.000 χ²/NDF: 53.9/47


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
120
140
160
180
200
Right In: 0.014+/-0.000 χ²/NDF: 7921870.4/21
Left Out: 0.013+/-0.000 χ²/NDF:8856192.5/23
Right Out: 0.012+/-0.000 χ²/NDF: 9260450.4/24
Left In: 0.013+/-0.000 χ²/NDF:7548263.6/22
+ sign 0.014+/-0.000 χ²/NDF: 16779805.5/45
All: 0.013+/-0.000 χ²/NDF: 33876953.6/93
- sign 0.013+/-0.000 χ²/NDF: 17015198.6/47



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

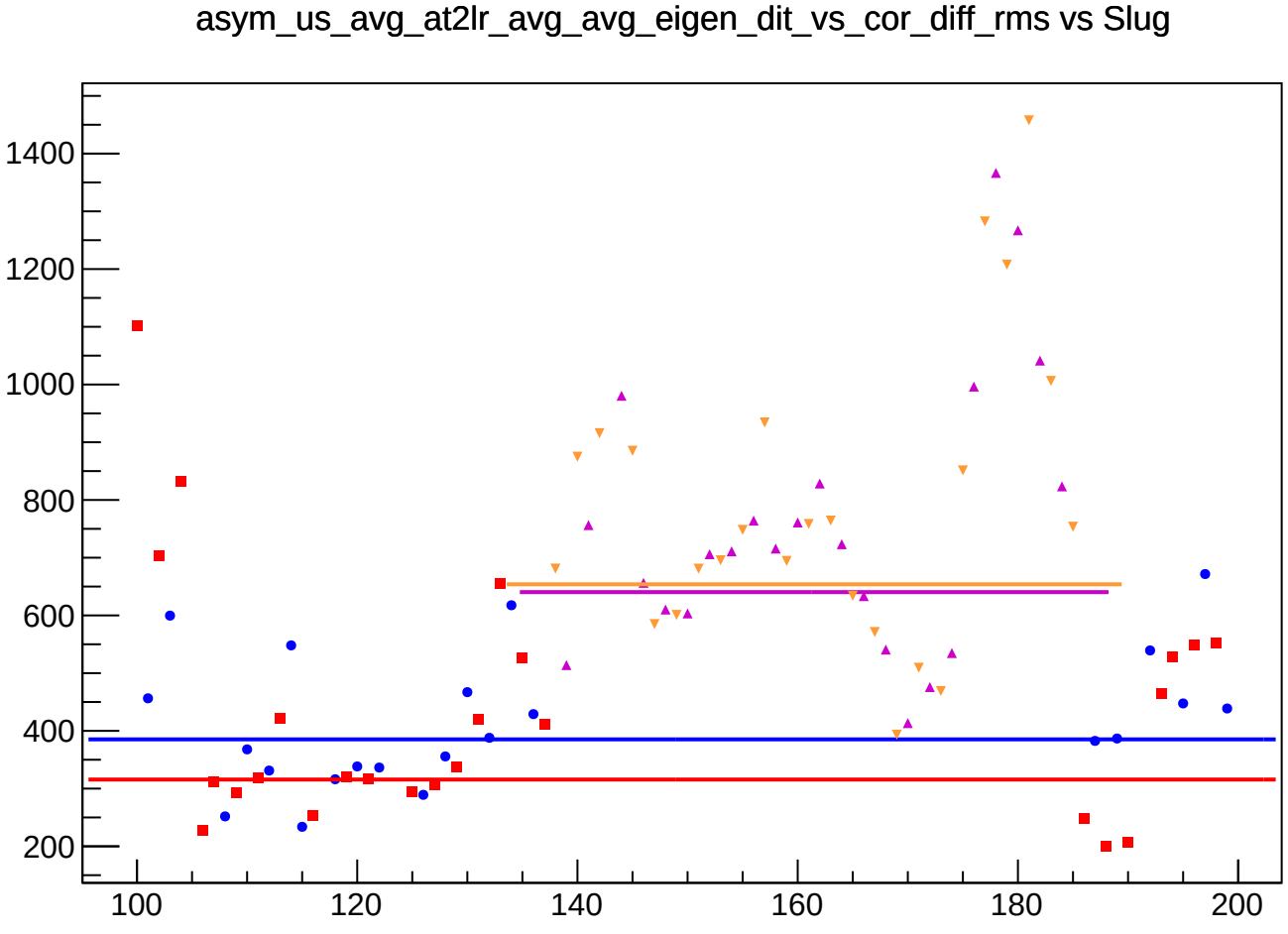
Right Out: -0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.117+/-0.096 χ^2/NDF: 45.3/45

All: -0.037+/-0.064 χ^2/NDF: 115.1/93

- sign 0.025+/-0.085 χ^2/NDF: 68.6/47



Right In: 385.284+/-0.085 χ^2/NDF: 1362270.6/21

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 315.686+/-0.071 χ^2/NDF: 3065867.6/24

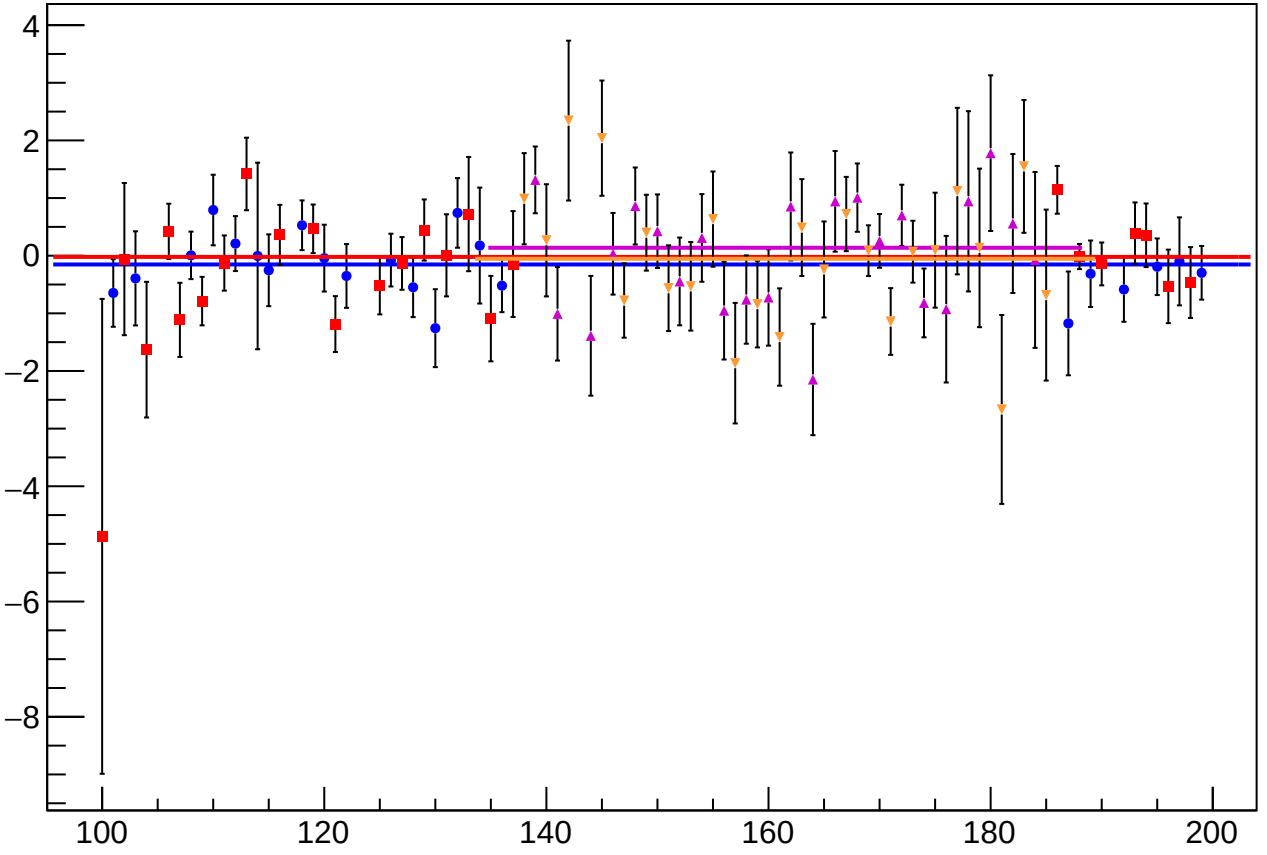
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 481.385+/-0.068 χ^2/NDF: 8049001.7/45

All: 440.948+/-0.045 χ^2/NDF: 20399546.5/93

- 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



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

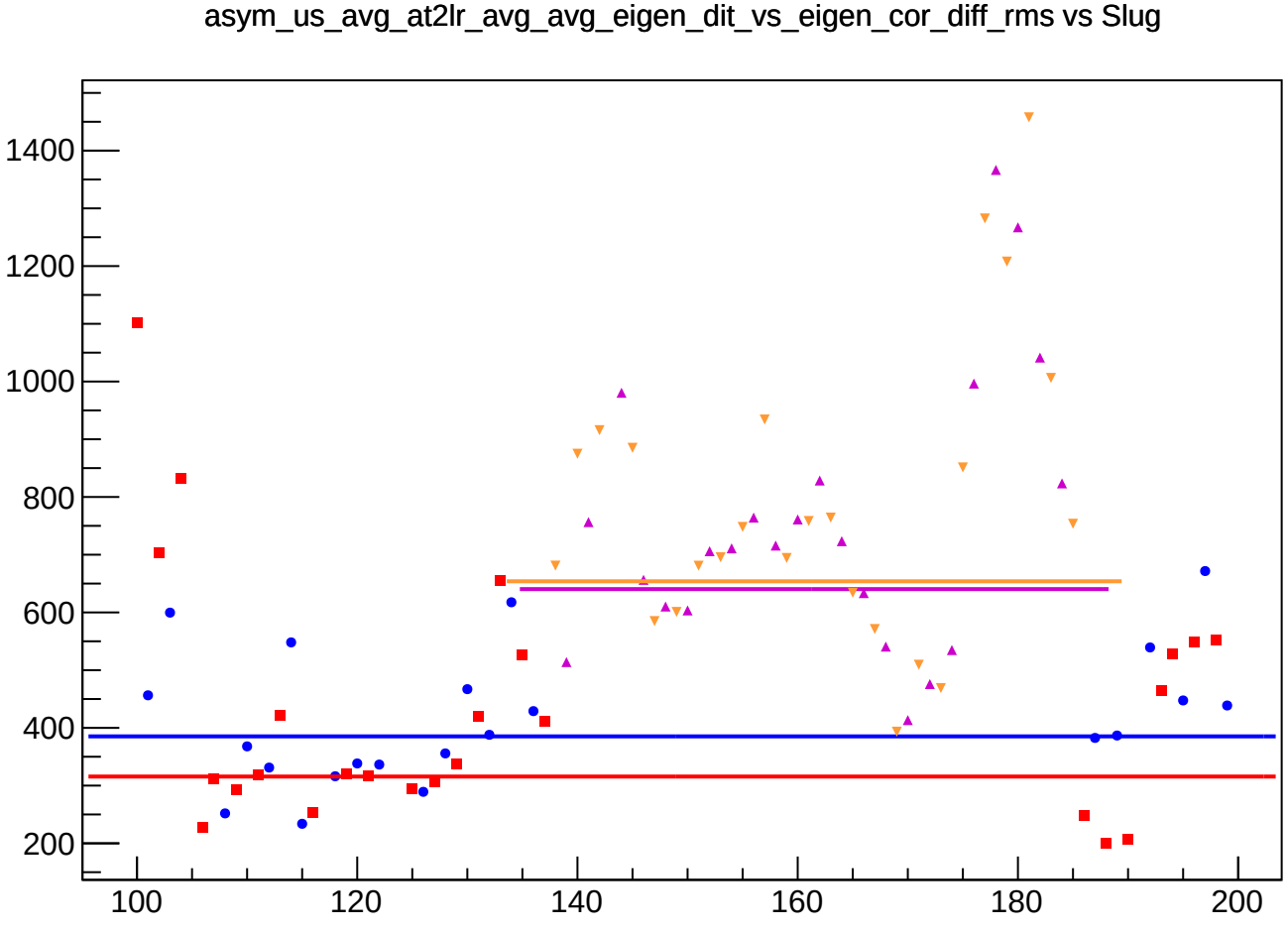
Right Out: -0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.117+/-0.096 χ^2/NDF: 45.3/45

All: -0.037+/-0.064 χ^2/NDF: 115.1/93

- sign 0.025+/-0.085 χ^2/NDF: 68.6/47



Right In: 385.284+/-0.085 χ^2/NDF: 1362270.6/21

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

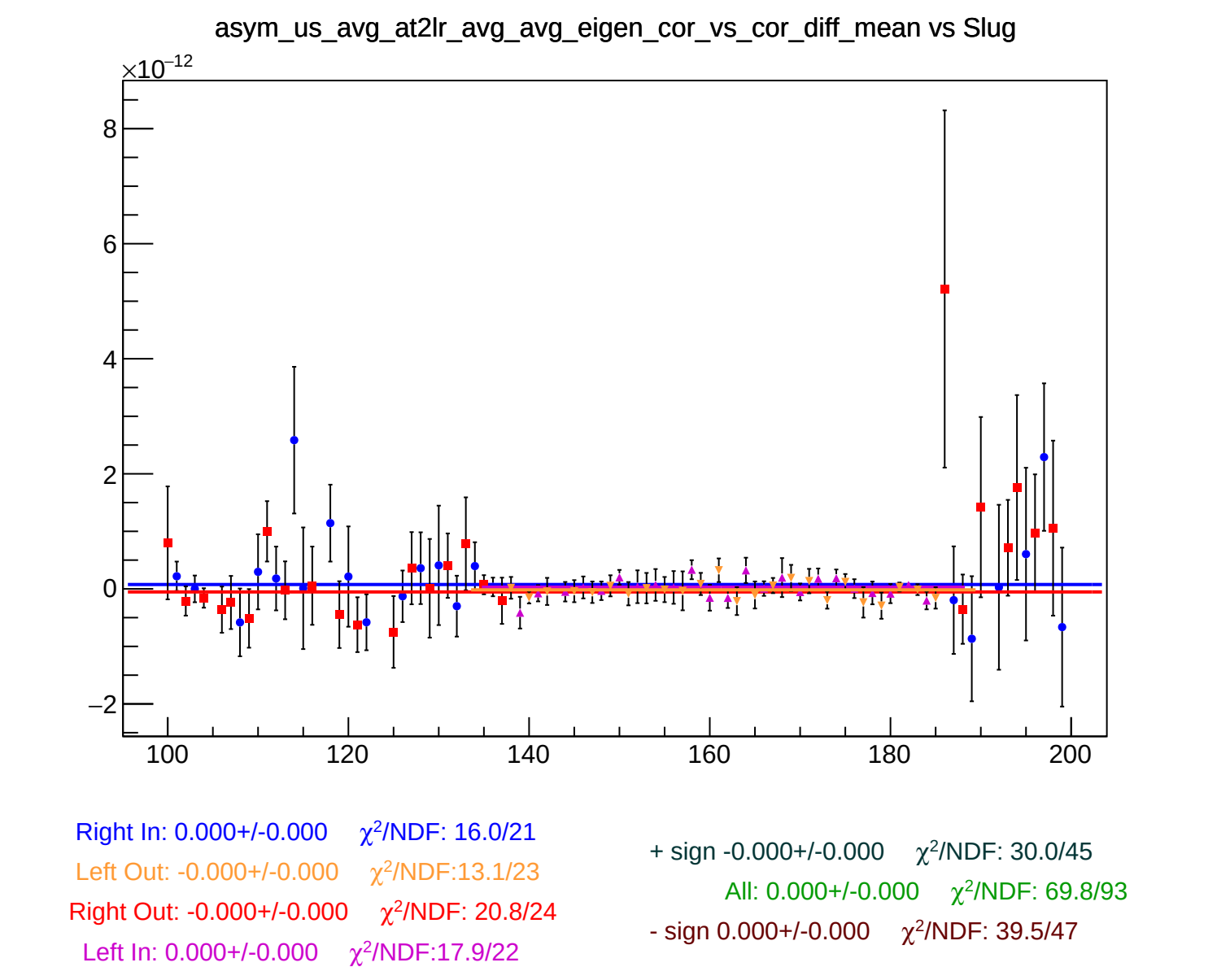
Right Out: 315.686+/-0.071 χ^2/NDF: 3065867.6/24

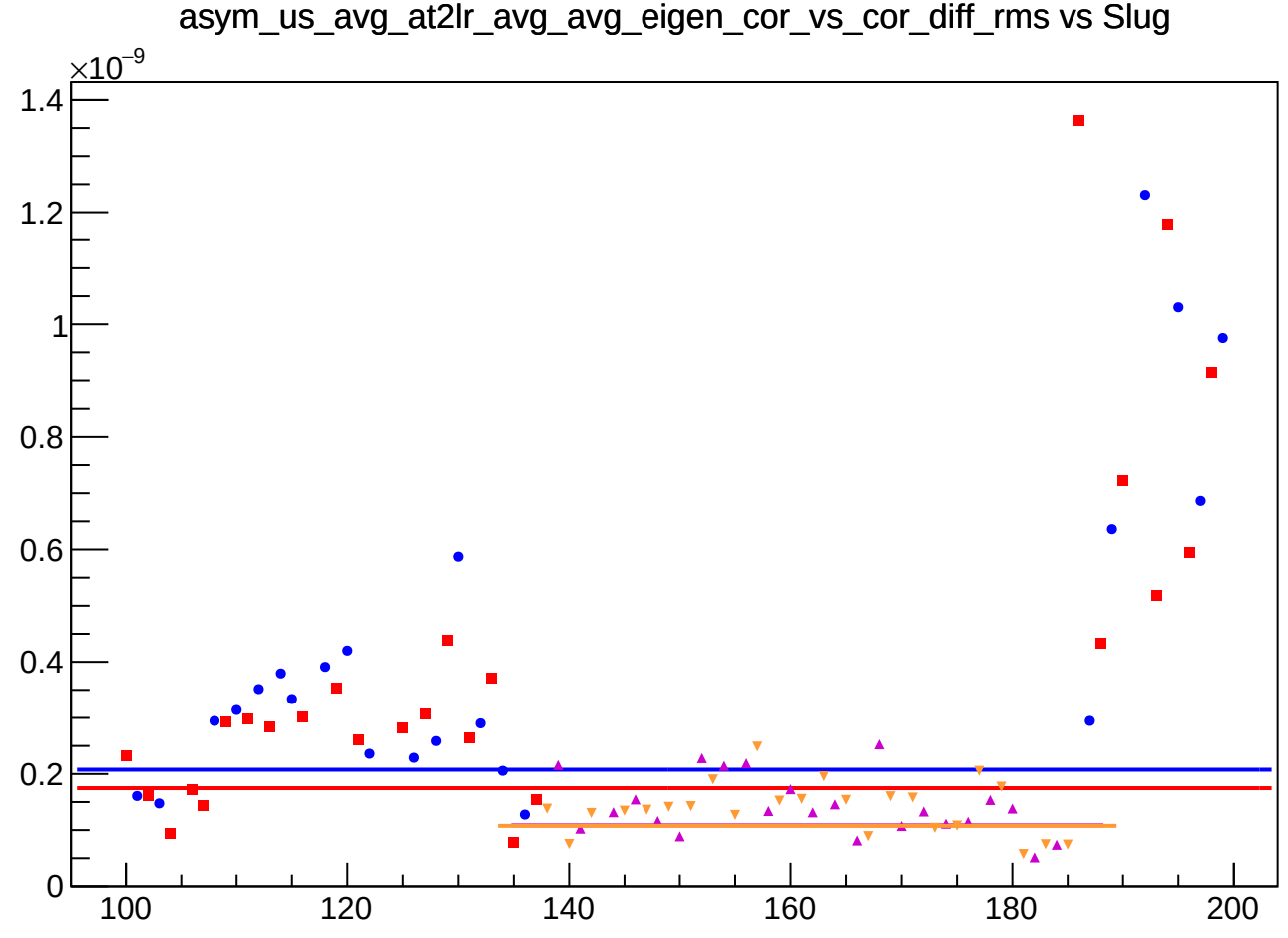
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 481.385+/-0.068 χ^2/NDF: 8049001.7/45

All: 440.948+/-0.045 χ^2/NDF: 20399546.5/93

- sign 409.632+/-0.060 χ^2/NDF: 11727271.5/47


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 16.0/21
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 20.8/24
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 30.0/45
All: 0.000+/-0.000 χ²/NDF: 69.8/93
- sign 0.000+/-0.000 χ²/NDF: 39.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 4440390.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5143156.4/24

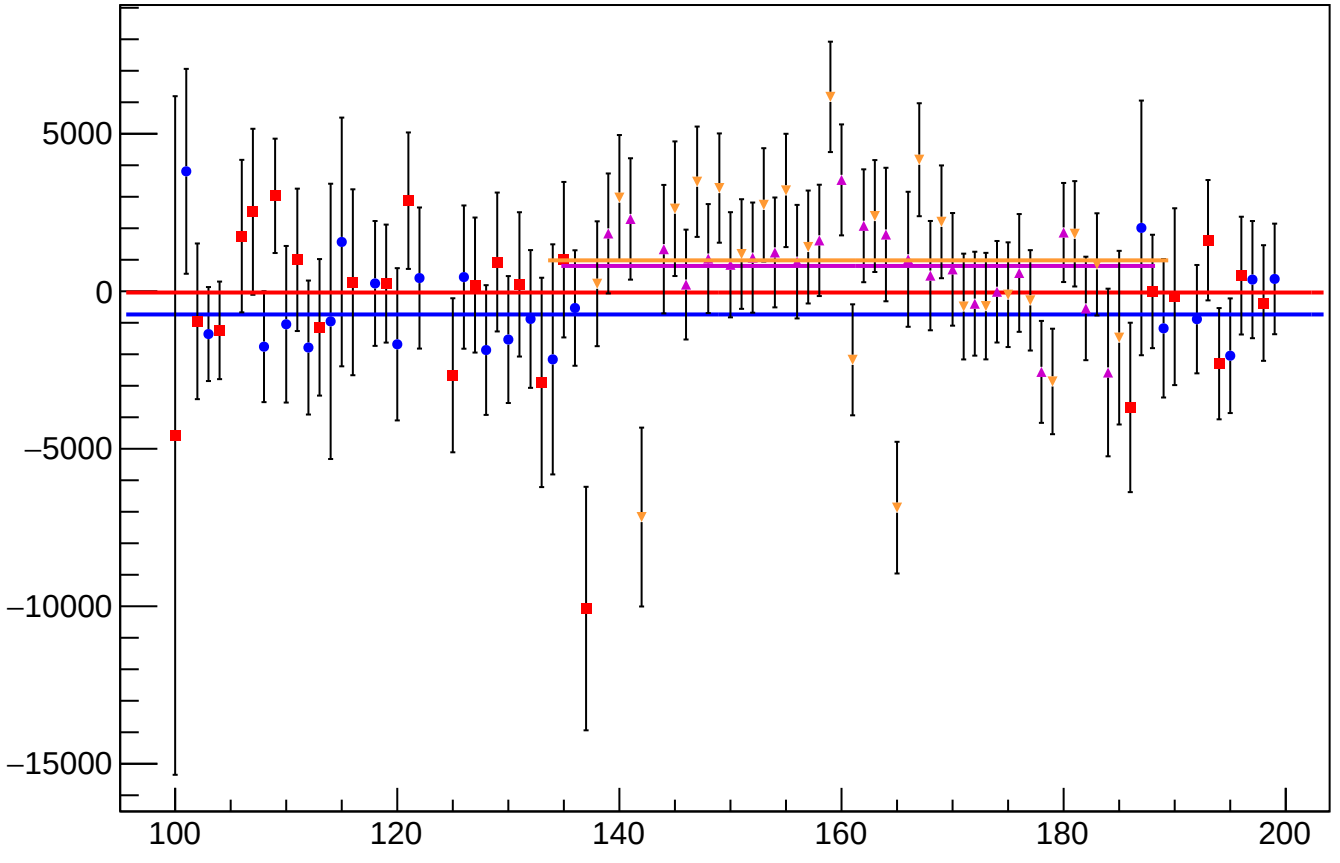
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9885616.7/45

All: 0.000+/-0.000 χ^2/NDF: 19988359.8/93

- sign 0.000+/-0.000 χ^2/NDF: 10101658.4/47

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -735.954+/-457.849 χ^2/NDF: 6.4/21

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -39.545+/-443.524 χ^2/NDF: 21.0/24

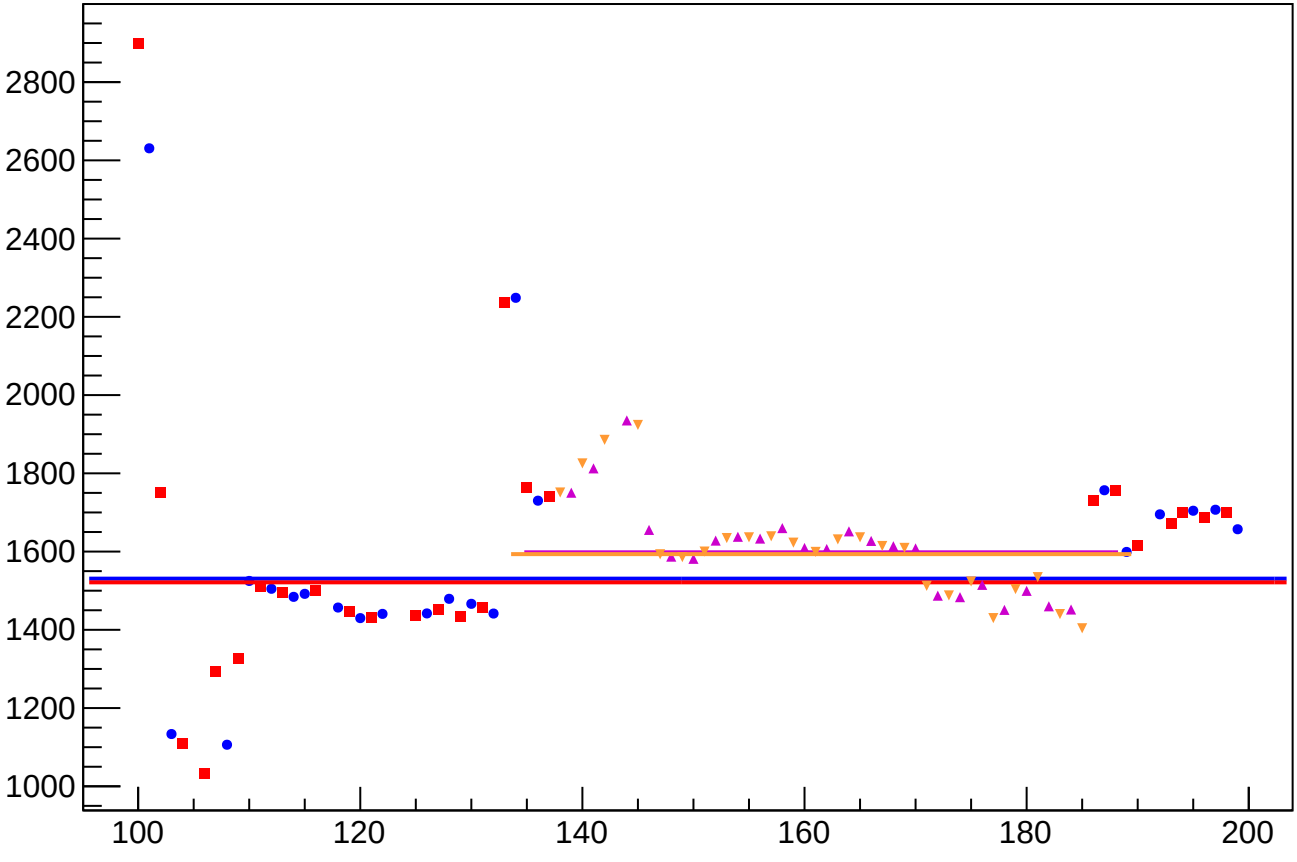
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 301.203+/-288.173 χ^2/NDF: 70.5/45

All: 377.854+/-202.977 χ^2/NDF: 106.1/93

\- sign 453.324+/-285.945 χ^2/NDF: 35.5/47

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1530.799+/-0.324 χ^2/NDF: 680643.9/21

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

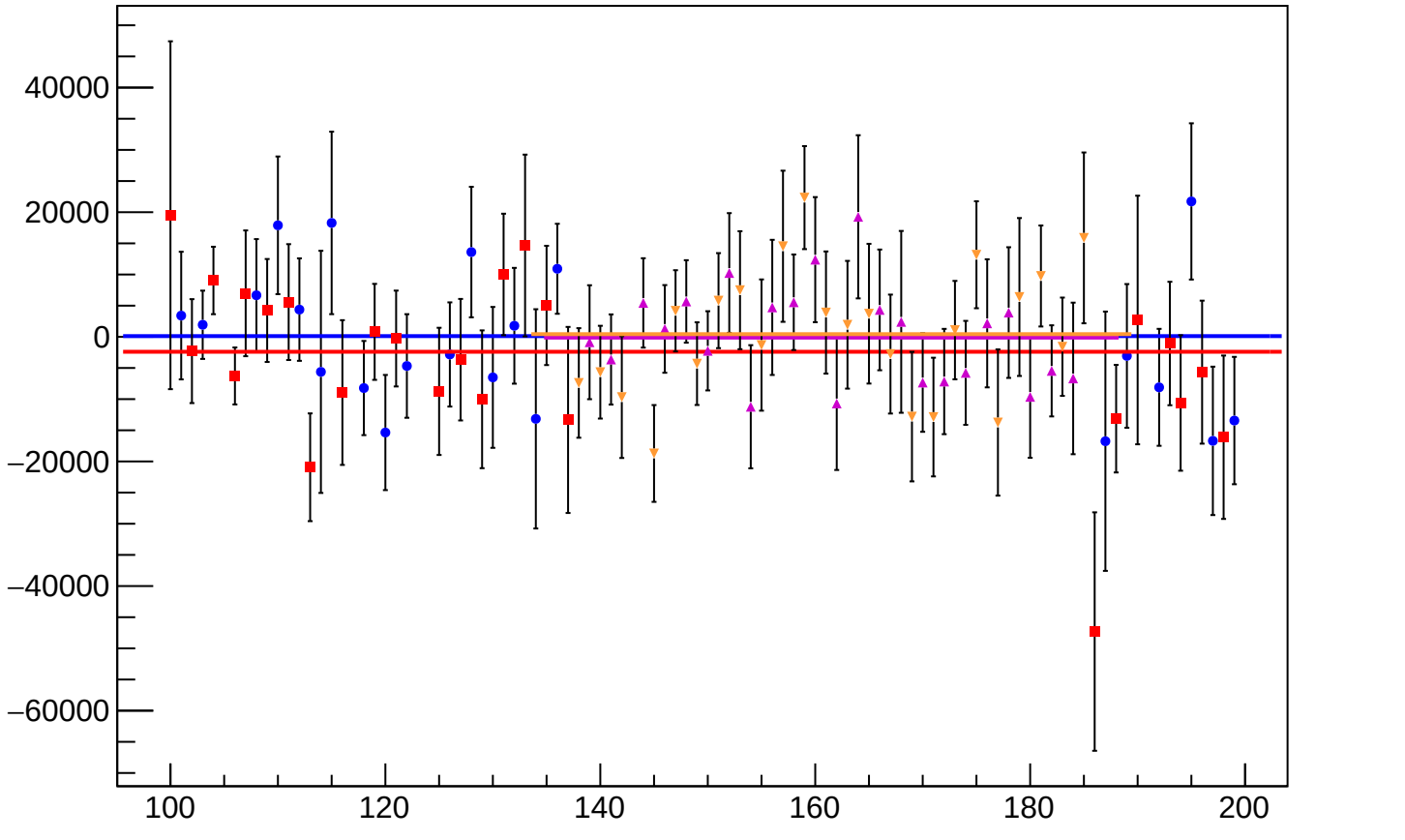
Right Out: 1521.343+/-0.312 χ^2/NDF: 585085.1/24

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1568.650+/-0.204 χ^2/NDF: 890894.2/45

All: 1567.325+/-0.143 χ^2/NDF: 1680439.8/93

- sign 1566.025+/-0.202 χ^2/NDF: 789461.9/47



Right In: 113.940+/-2047.322 χ^2/NDF: 22.8/21

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

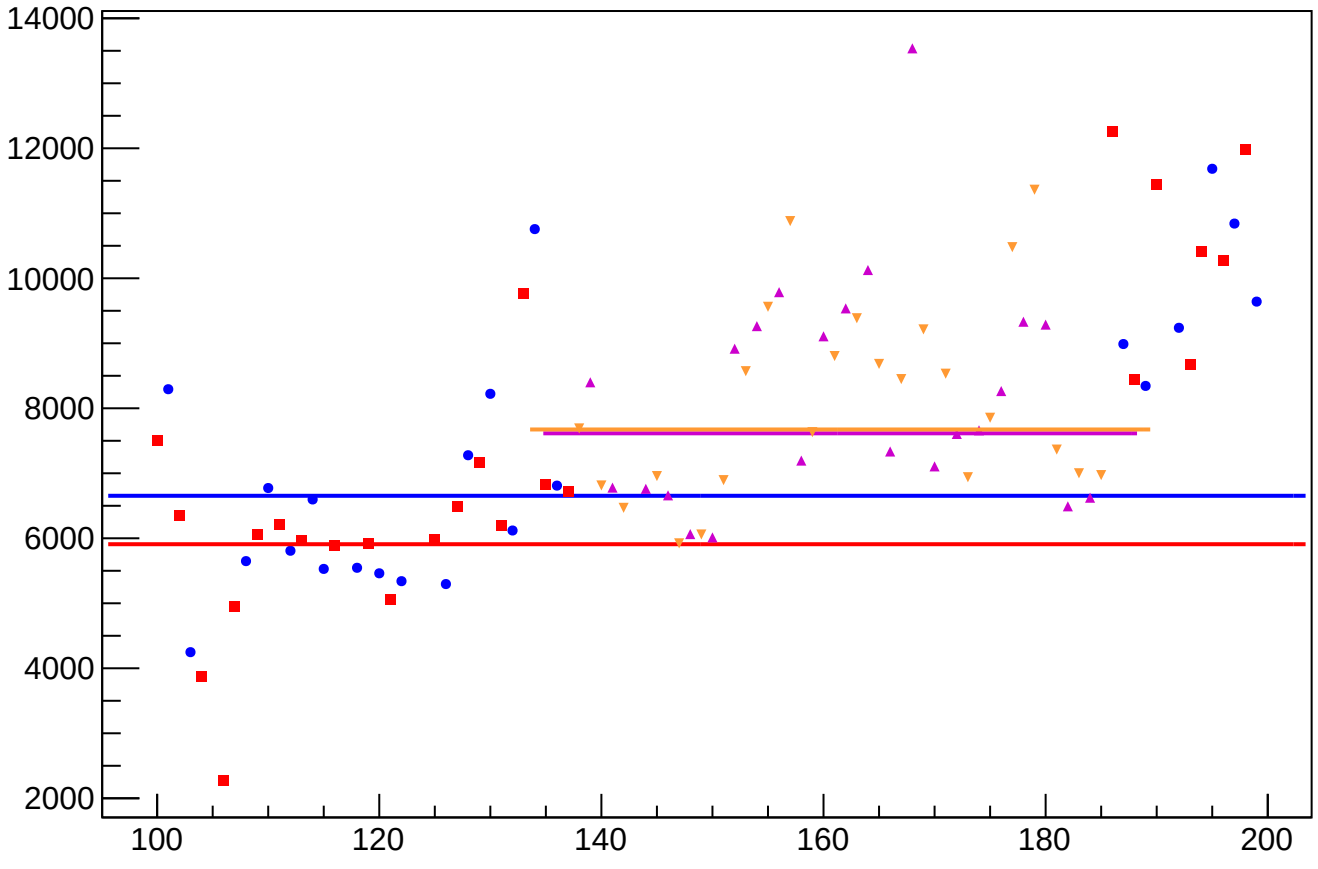
Right Out: -2397.912+/-1832.279 χ^2/NDF: 27.1/24

Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 288.652+/-1360.182 χ^2/NDF: 52.2/45

All: -522.417+/-935.768 χ^2/NDF: 94.6/93

- sign -1251.273+/-1289.404 χ^2/NDF: 41.7/47



Right In: 6653.844+/-1.448 χ^2/NDF: 1796028.8/21

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5908.812+/-1.296 χ^2/NDF: 3568725.1/24

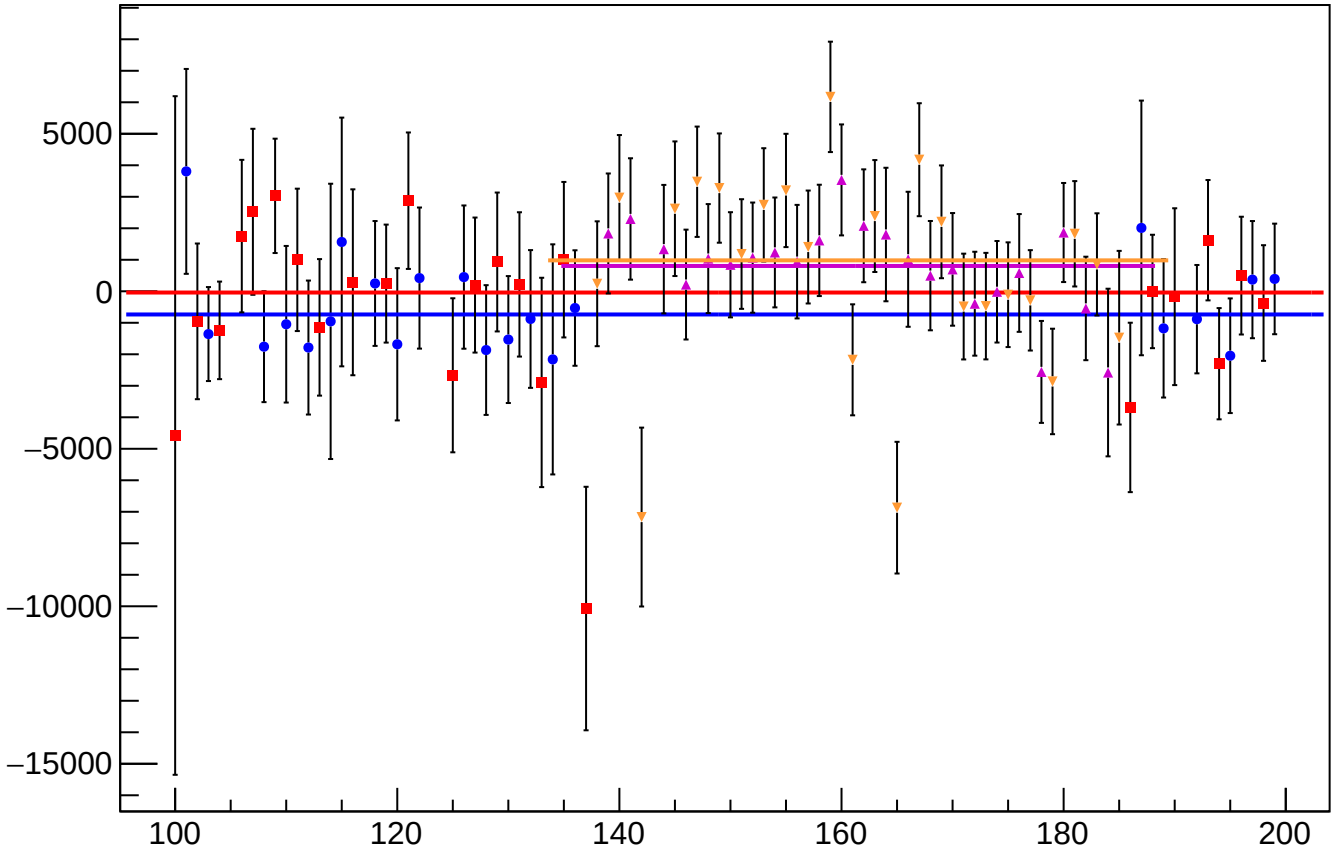
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

\+ sign 7223.748+/-0.962 χ^2/NDF: 3150171.2/45

All: 6984.791+/-0.662 χ^2/NDF: 8935986.4/93

\- sign 6770.055+/-0.912 χ^2/NDF: 5668618.0/47

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -736.027+/-457.849 χ^2/NDF: 6.4/21

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -39.632+/-443.524 χ^2/NDF: 21.0/24

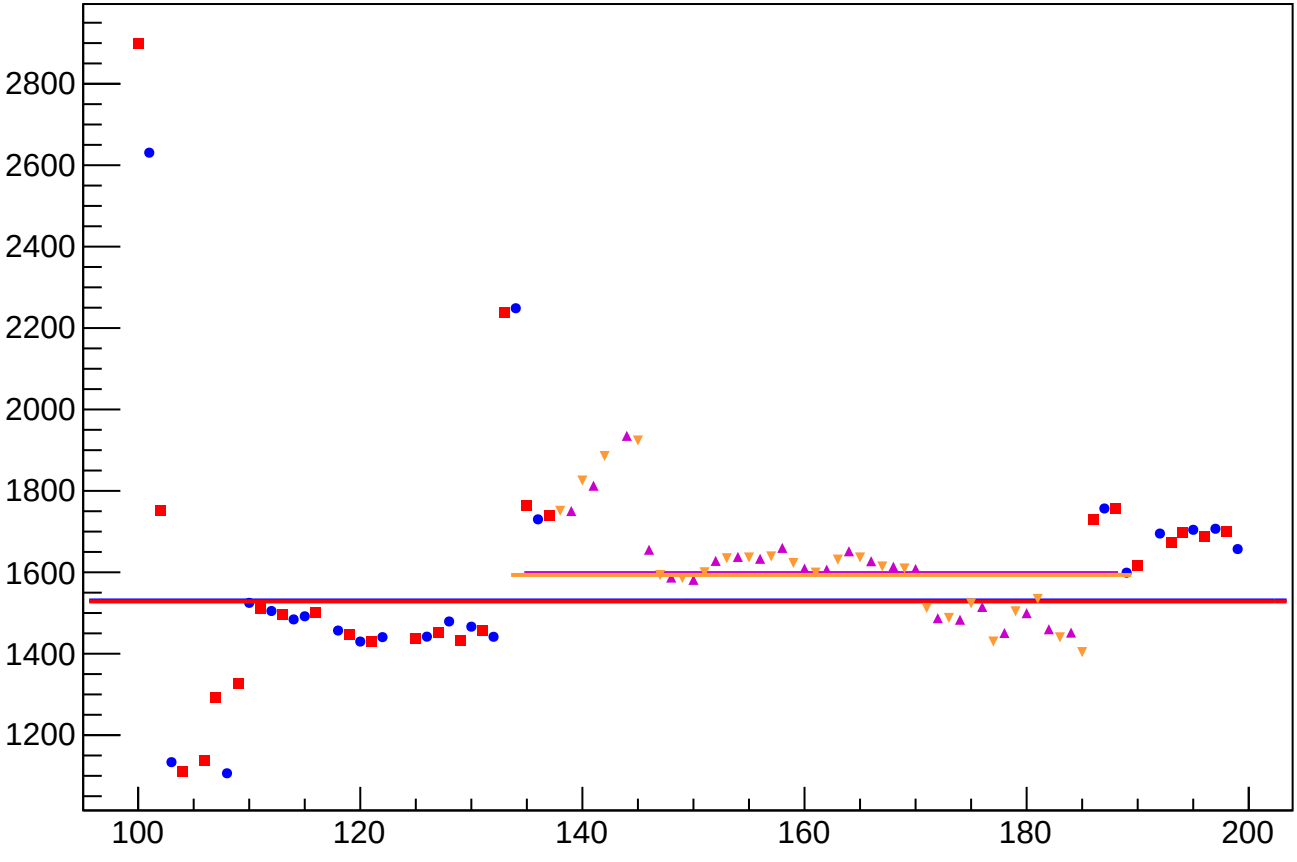
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 301.225+/-288.173 χ^2/NDF: 70.5/45

All: 377.810+/-202.977 χ^2/NDF: 106.1/93

- sign 453.214+/-285.945 χ^2/NDF: 35.5/47

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1530.799+/-0.324 χ^2/NDF: 680644.3/21

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

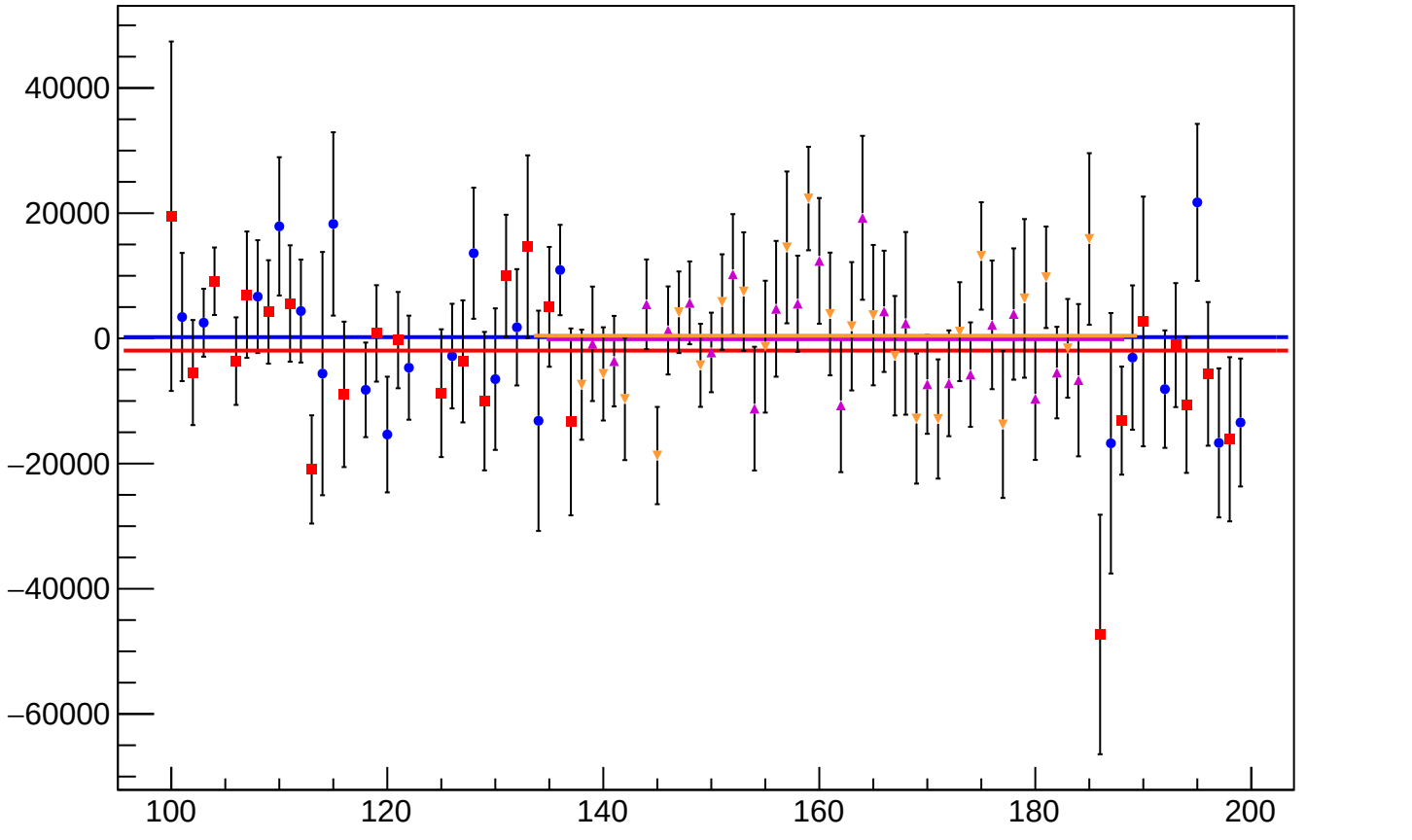
Right Out: 1528.417+/-0.313 χ^2/NDF: 534578.2/24

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1568.650+/-0.204 χ^2/NDF: 890894.6/45

All: 1568.875+/-0.143 χ^2/NDF: 1623547.4/93

- sign 1569.096+/-0.202 χ^2/NDF: 732650.4/47



Right In: 200.180+/-2044.549 χ^2/NDF: 22.9/21

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

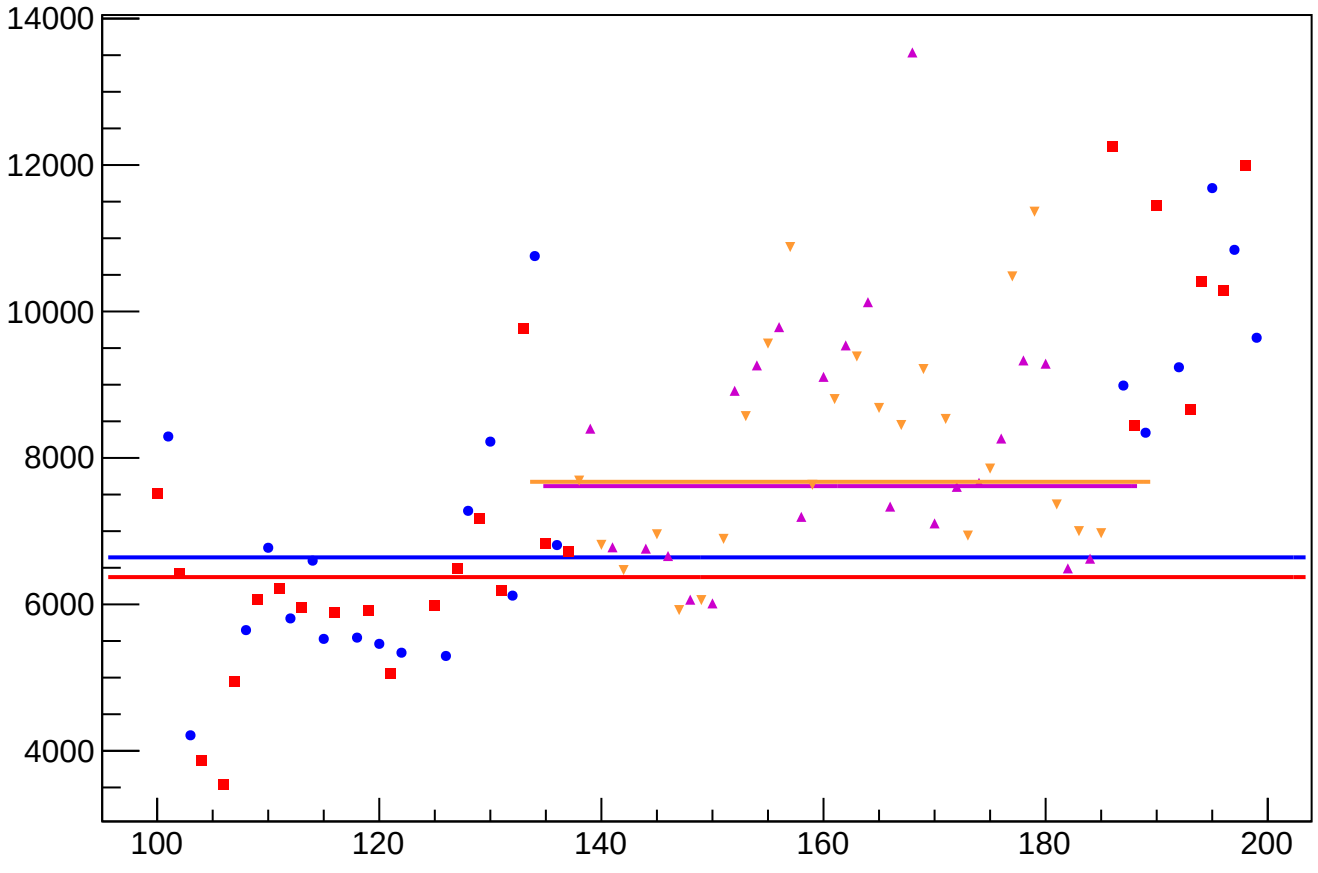
Right Out: -1949.375+/-1922.667 χ^2/NDF: 26.6/24

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 326.566+/-1359.368 χ^2/NDF: 52.2/45

All: -348.770+/-946.902 χ^2/NDF: 93.6/93

- sign -985.320+/-1319.755 χ^2/NDF: 40.9/47



Right In: 6642.249+/-1.446 χ^2/NDF: 1815175.3/21

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

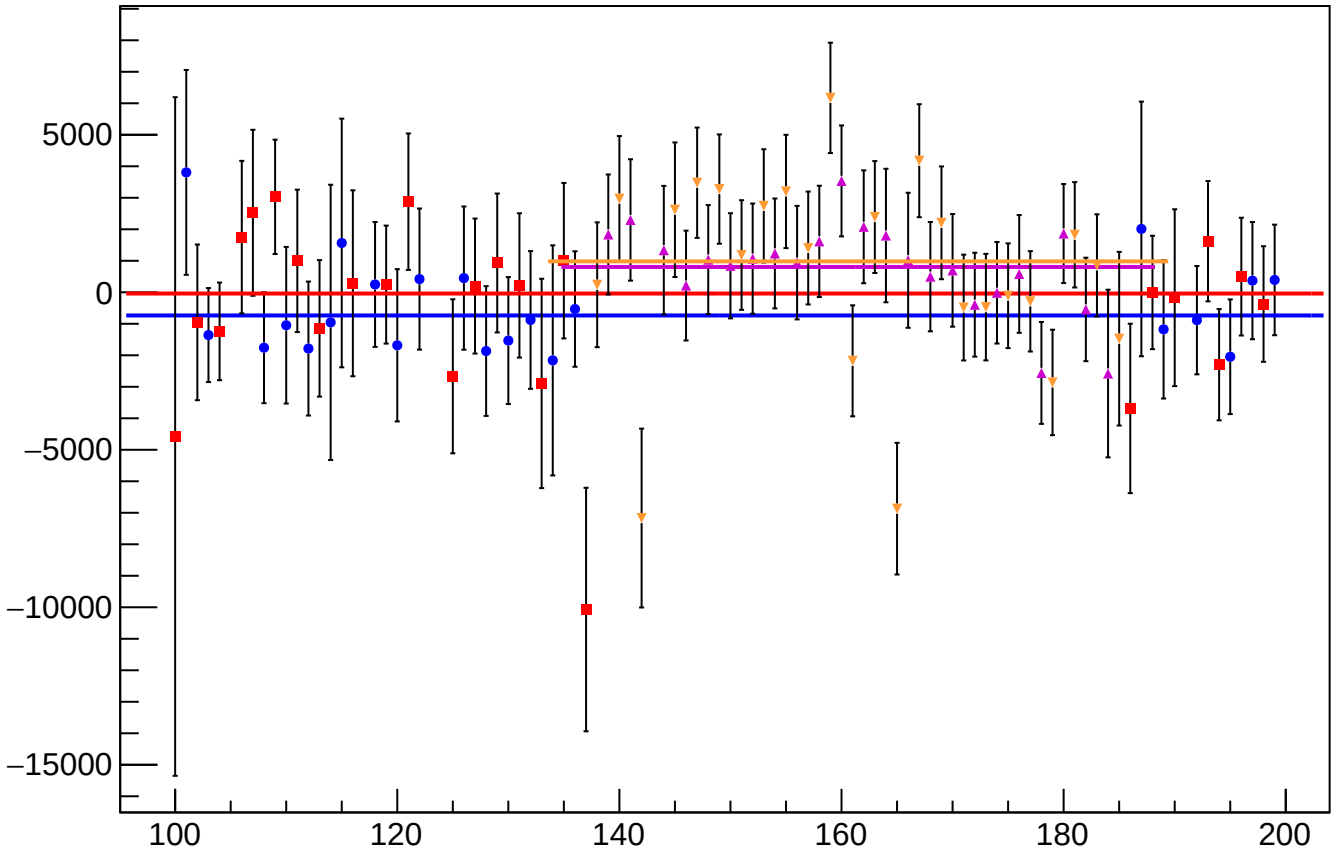
Right Out: 6372.694+/-1.360 χ^2/NDF: 2422721.9/24

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7217.941+/-0.961 χ^2/NDF: 3176089.4/45

All: 7121.009+/-0.670 χ^2/NDF: 7284630.8/93

- sign 7029.643+/-0.933 χ^2/NDF: 4088786.6/47



Right In: -736.027+/-457.849 χ^2/NDF: 6.4/21

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

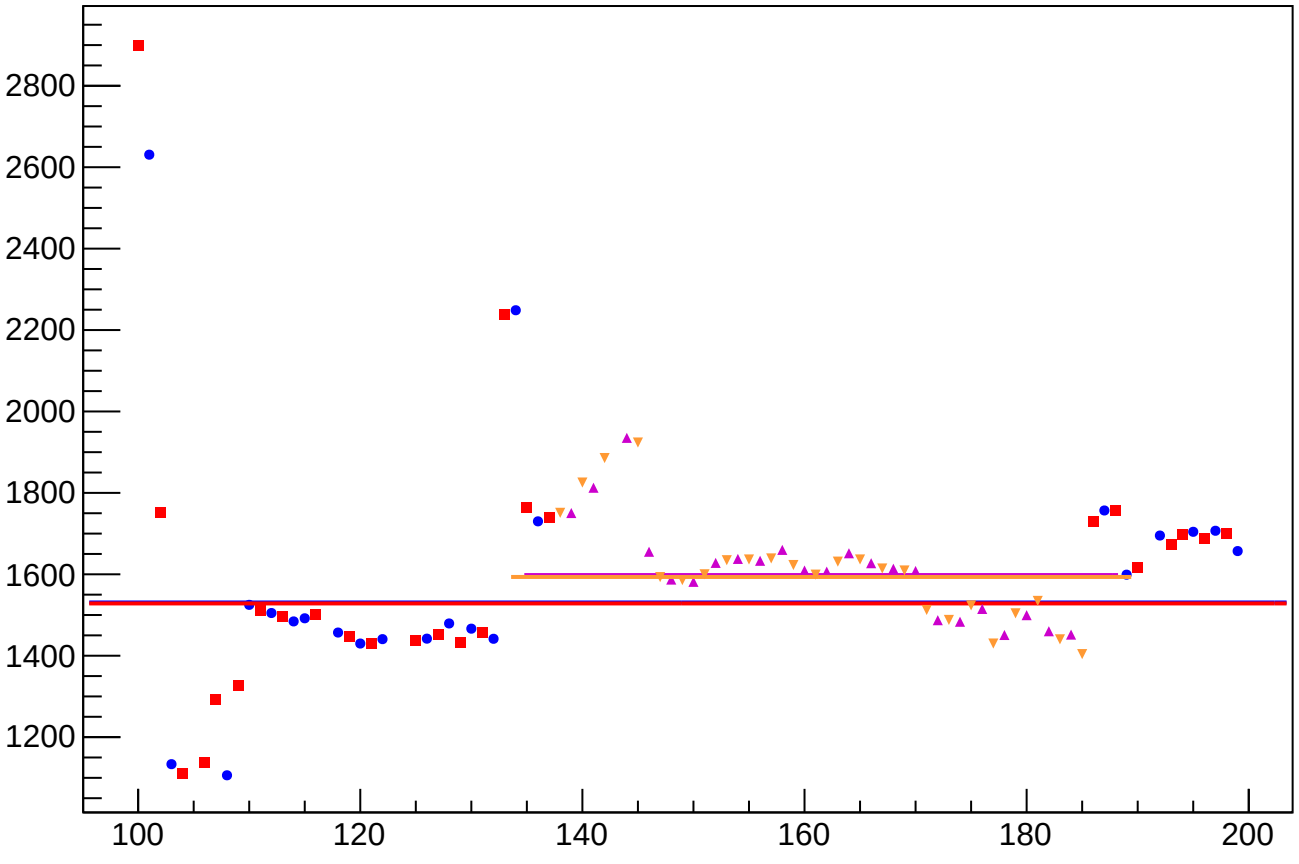
Right Out: -39.632+/-443.524 χ^2/NDF: 21.0/24

Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 301.225+/-288.173 χ^2/NDF: 70.5/45

All: 377.810+/-202.977 χ^2/NDF: 106.1/93

- sign 453.214+/-285.945 χ^2/NDF: 35.5/47



Right In: 1530.799+/-0.324 χ^2/NDF: 680644.3/21

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

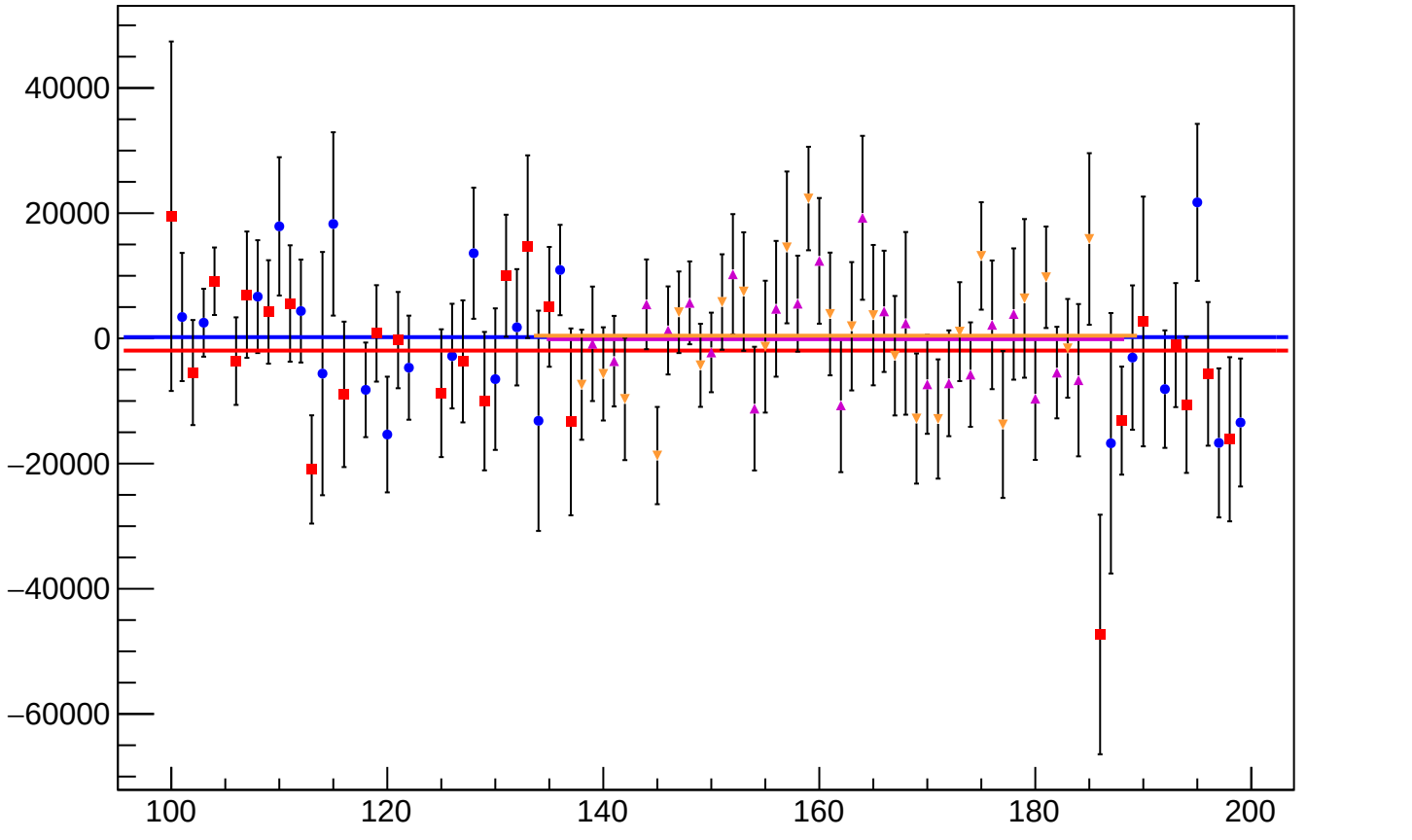
Right Out: 1528.417+/-0.313 χ^2/NDF: 534578.2/24

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

\+ sign 1568.650+/-0.204 χ^2/NDF: 890894.6/45

All: 1568.875+/-0.143 χ^2/NDF: 1623547.4/93

\- sign 1569.096+/-0.202 χ^2/NDF: 732650.4/47



Right In: 200.180+/-2044.549 χ^2/NDF: 22.9/21

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

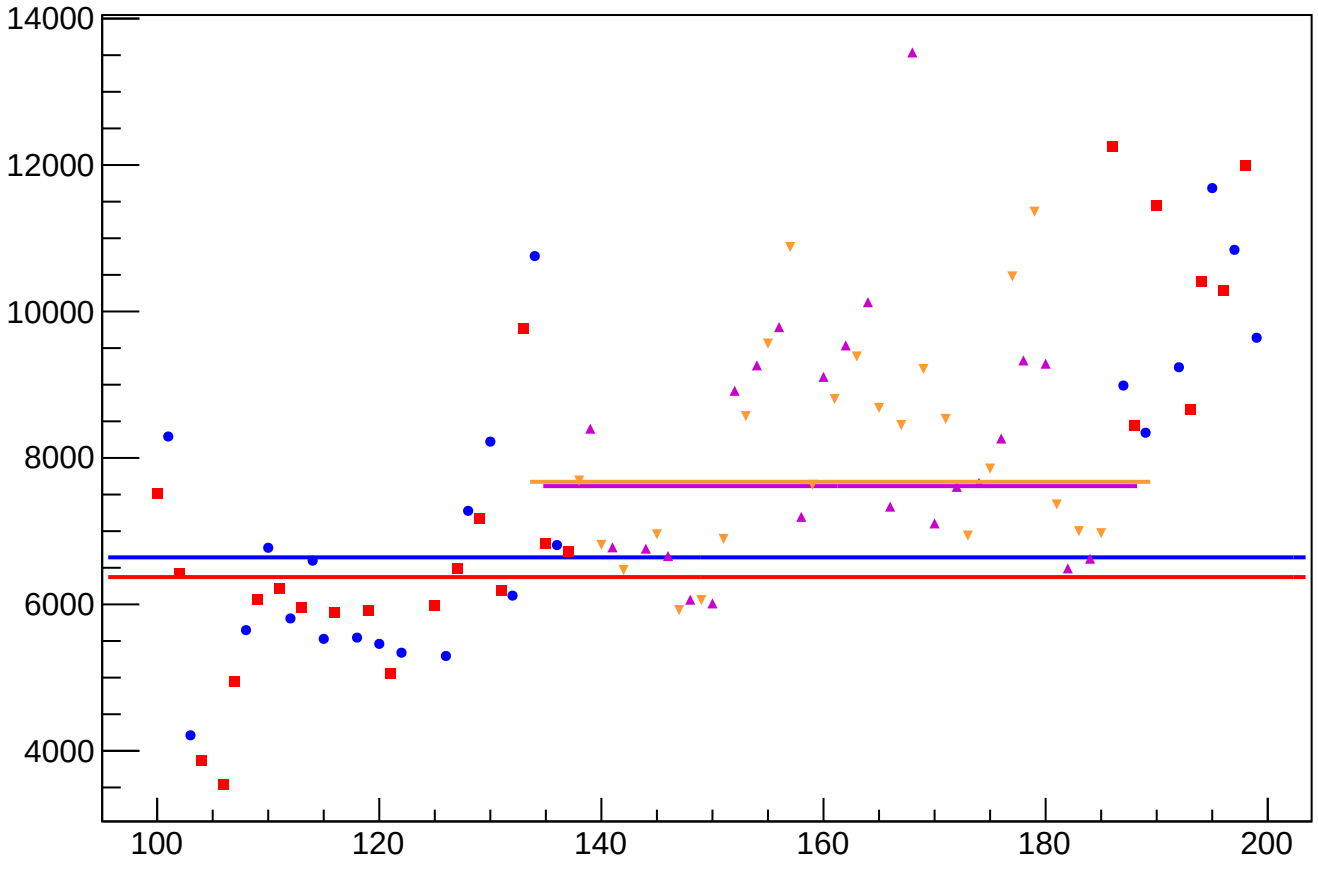
Right Out: -1949.375+/-1922.667 χ^2/NDF: 26.6/24

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 326.566+/-1359.368 χ^2/NDF: 52.2/45

All: -348.770+/-946.902 χ^2/NDF: 93.6/93

- sign -985.320+/-1319.755 χ^2/NDF: 40.9/47



Right In: 6642.249+/-1.446 χ^2/NDF: 1815175.3/21

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6372.694+/-1.360 χ^2/NDF: 2422721.9/24

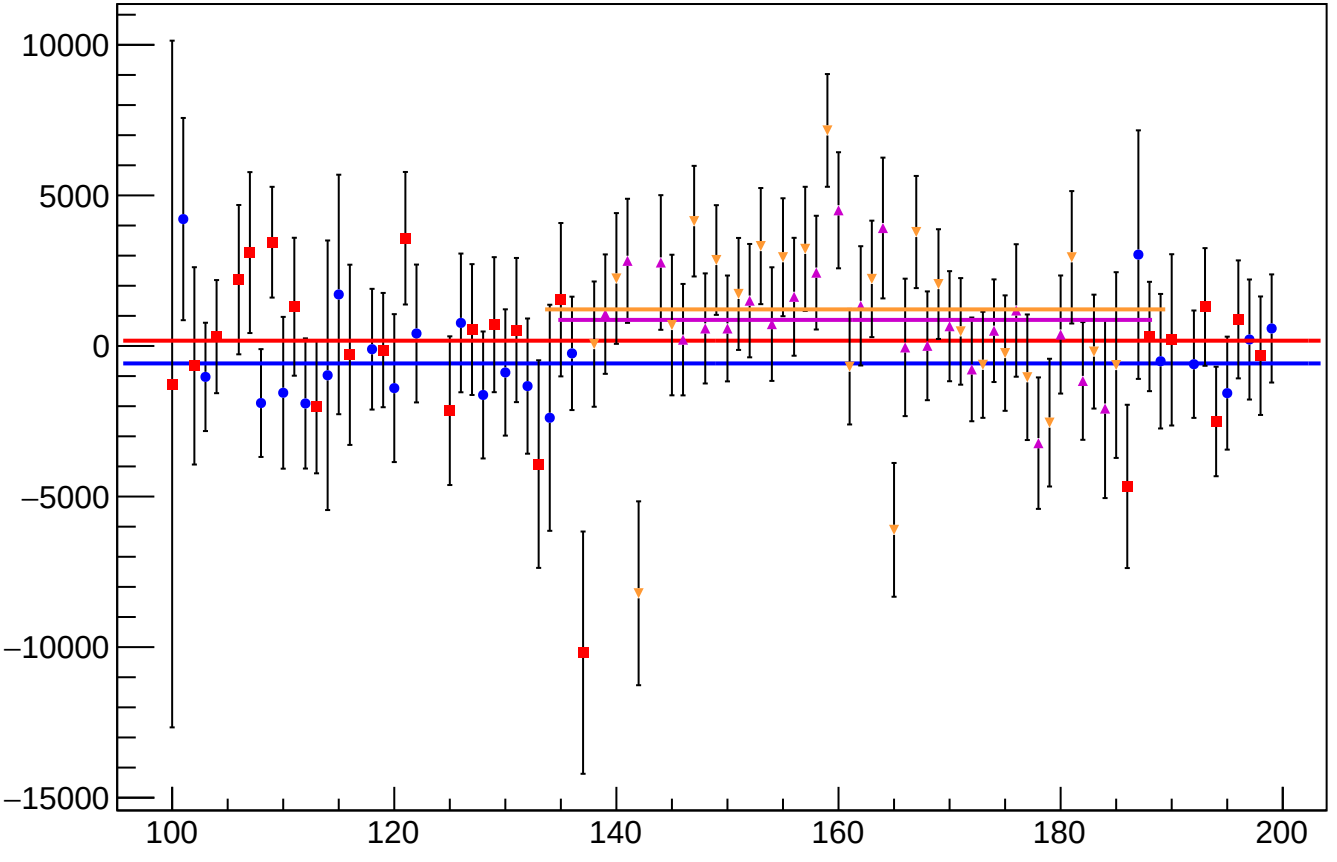
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7217.941+/-0.961 χ^2/NDF: 3176089.4/45

All: 7121.009+/-0.670 χ^2/NDF: 7284630.8/93

- sign 7029.643+/-0.933 χ^2/NDF: 4088786.6/47

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -579.364+/-476.069 χ^2/NDF: 6.5/21

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 175.769+/-462.751 χ^2/NDF: 24.0/24

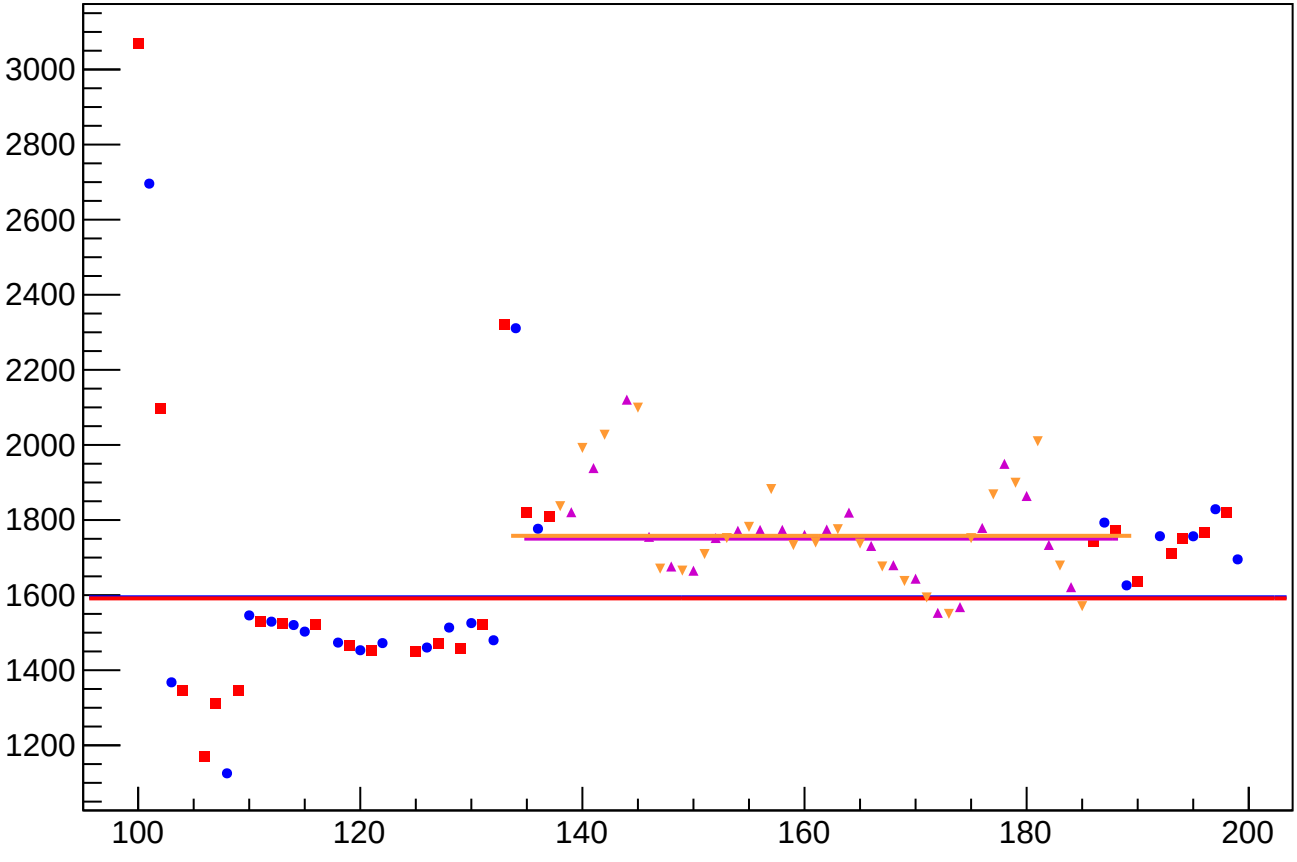
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 451.965+/-310.488 χ^2/NDF: 63.1/45

All: 507.842+/-218.266 χ^2/NDF: 103.5/93

- sign 562.432+/-306.893 χ^2/NDF: 40.4/47

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1594.275+/-0.337 χ^2/NDF: 587314.2/21

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

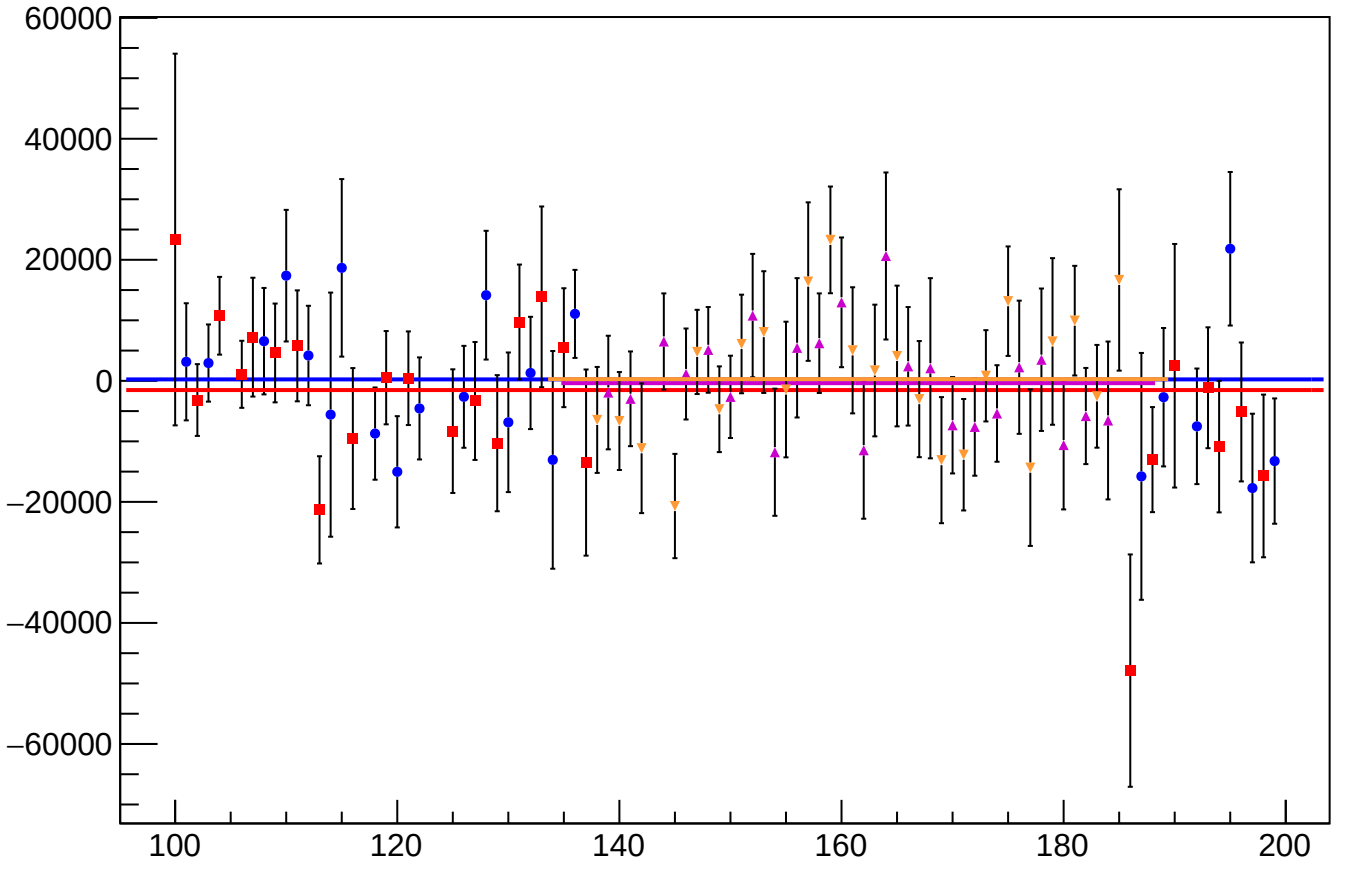
Right Out: 1591.300+/-0.327 χ^2/NDF: 478066.1/24

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1688.339+/-0.220 χ^2/NDF: 936471.7/45

All: 1684.349+/-0.154 χ^2/NDF: 1719670.7/93

- sign 1680.452+/-0.217 χ^2/NDF: 782546.2/47



Right In: 237.775+/-2089.790 χ^2/NDF: 22.7/21

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: -1524.002+/-1871.439 χ^2/NDF: 26.4/24

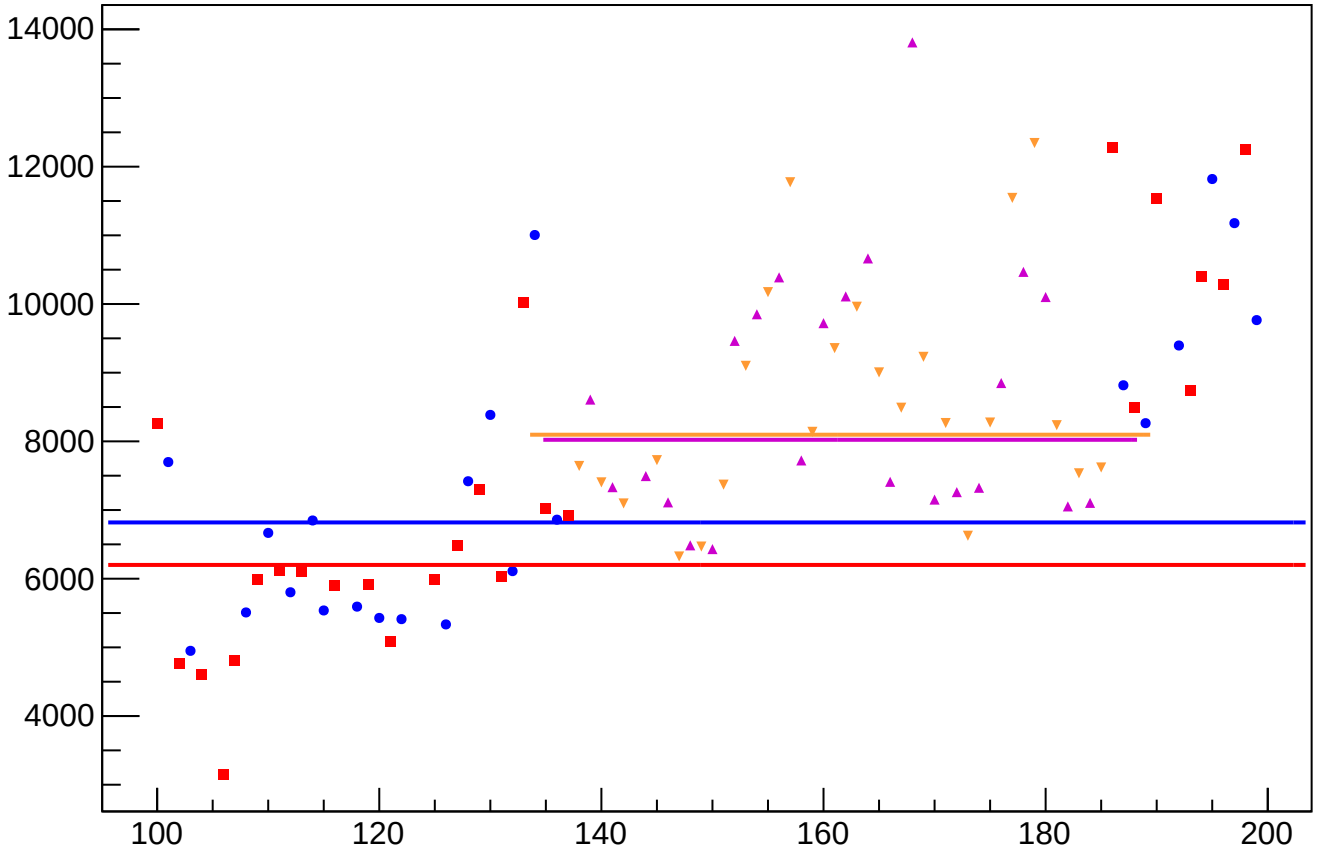
Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 263.341+/-1413.920 χ^2/NDF: 51.3/45

All: -385.257+/-971.667 χ^2/NDF: 92.0/93

- sign -965.681+/-1337.549 χ^2/NDF: 40.2/47

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 6819.260+/-1.478 χ^2/NDF: 1579500.9/21

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

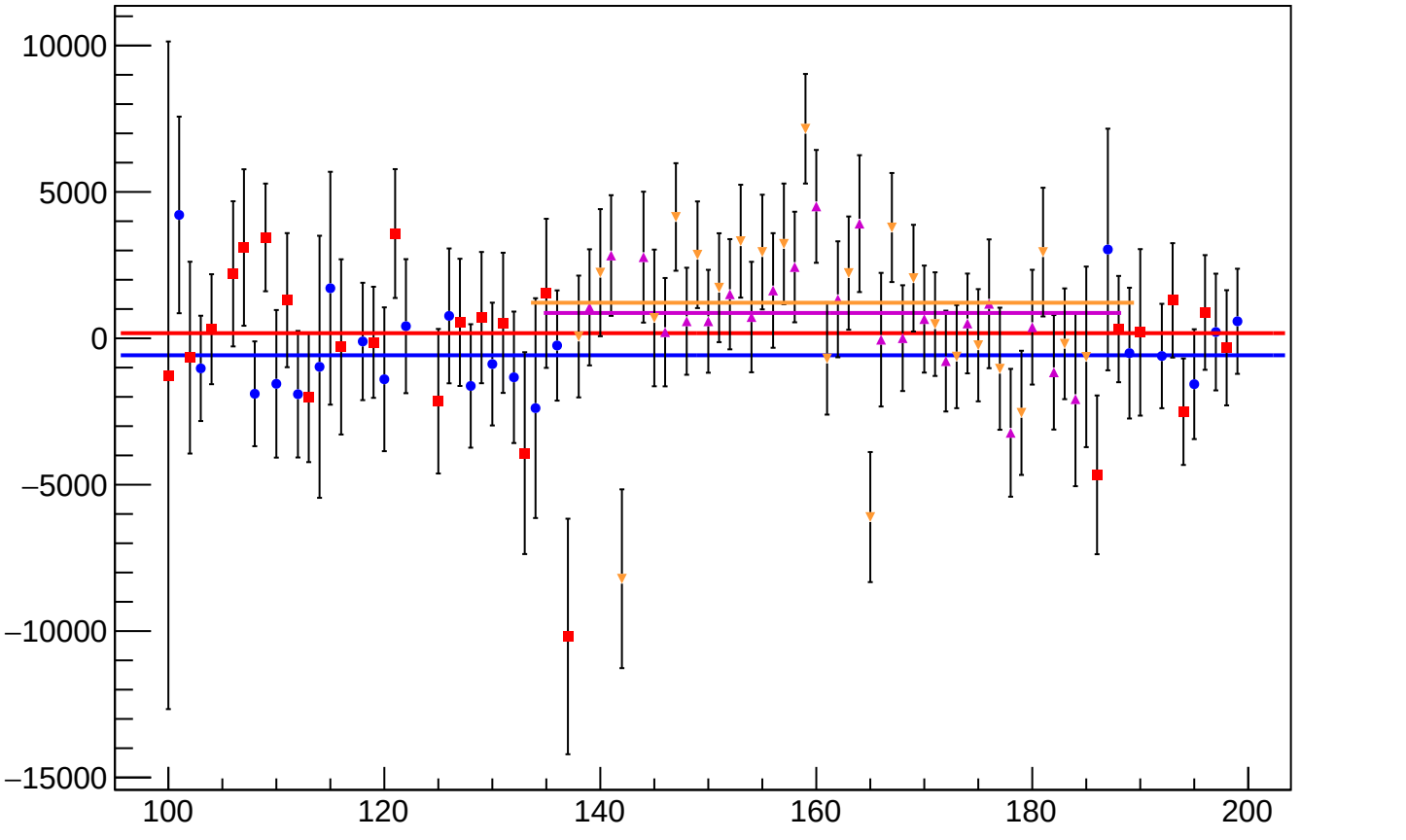
Right Out: 6200.481+/-1.323 χ^2/NDF: 2680685.7/24

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7511.996+/-1.000 χ^2/NDF: 3072589.5/45

All: 7290.290+/-0.687 χ^2/NDF: 7999604.2/93

- sign 7091.887+/-0.946 χ^2/NDF: 4833835.0/47



Right In: -579.365+/-476.069 χ^2/NDF: 6.5/21

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 175.775+/-462.751 χ^2/NDF: 24.0/24

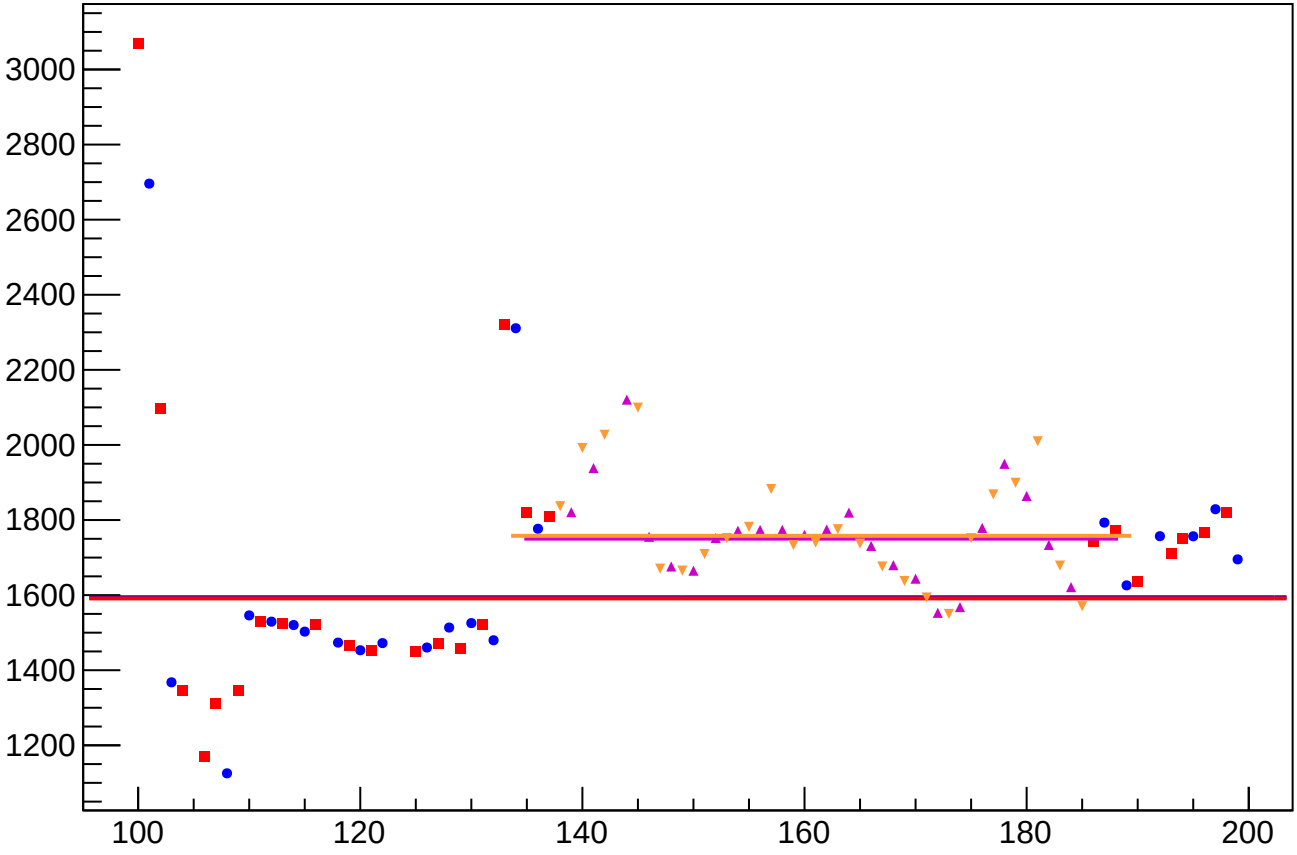
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 451.968+/-310.488 χ^2/NDF: 63.1/45

All: 507.844+/-218.266 χ^2/NDF: 103.5/93

- sign 562.434+/-306.893 χ^2/NDF: 40.4/47

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1594.275+/-0.337 χ^2/NDF: 587314.1/21

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

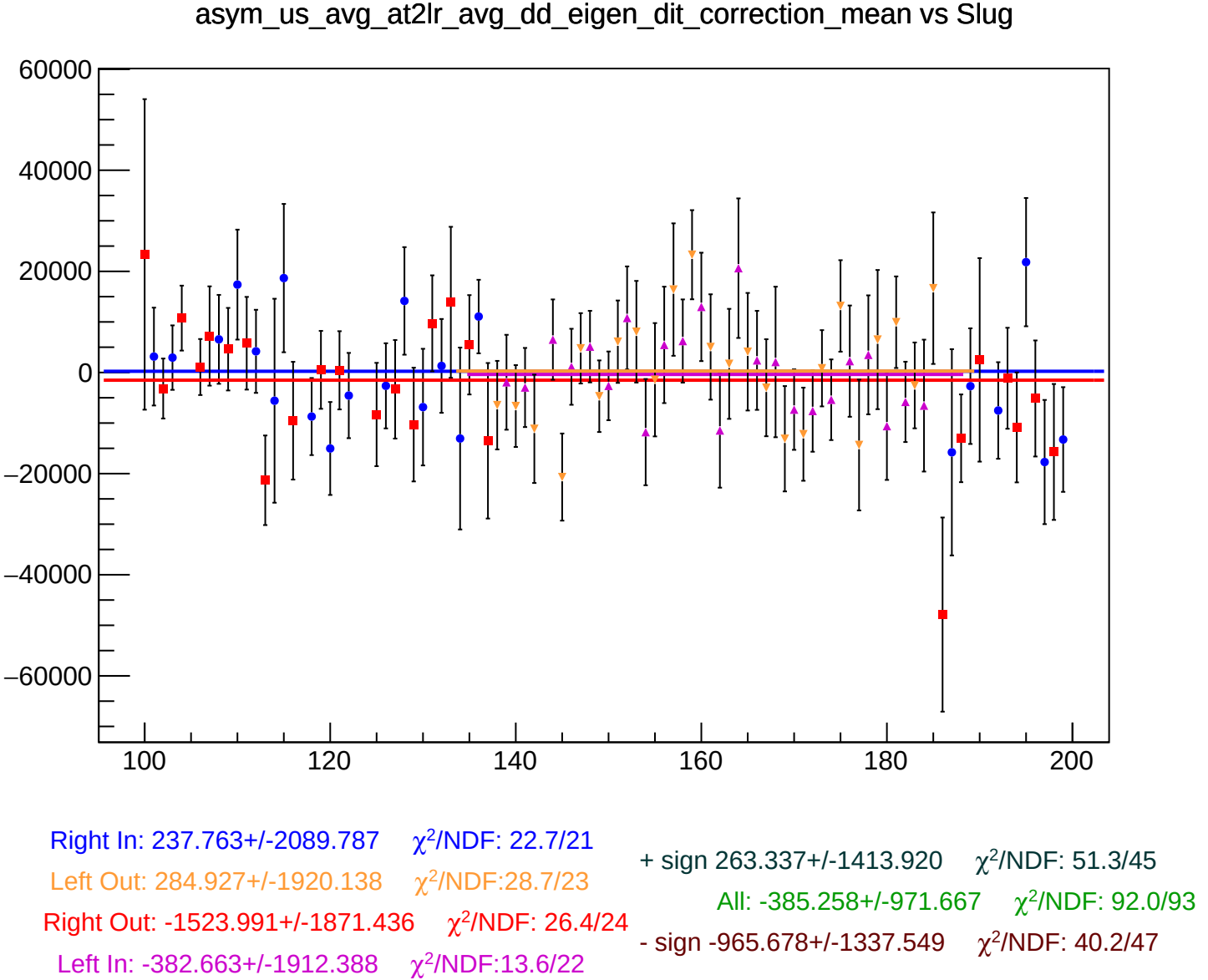
Right Out: 1591.300+/-0.327 χ^2/NDF: 478067.2/24

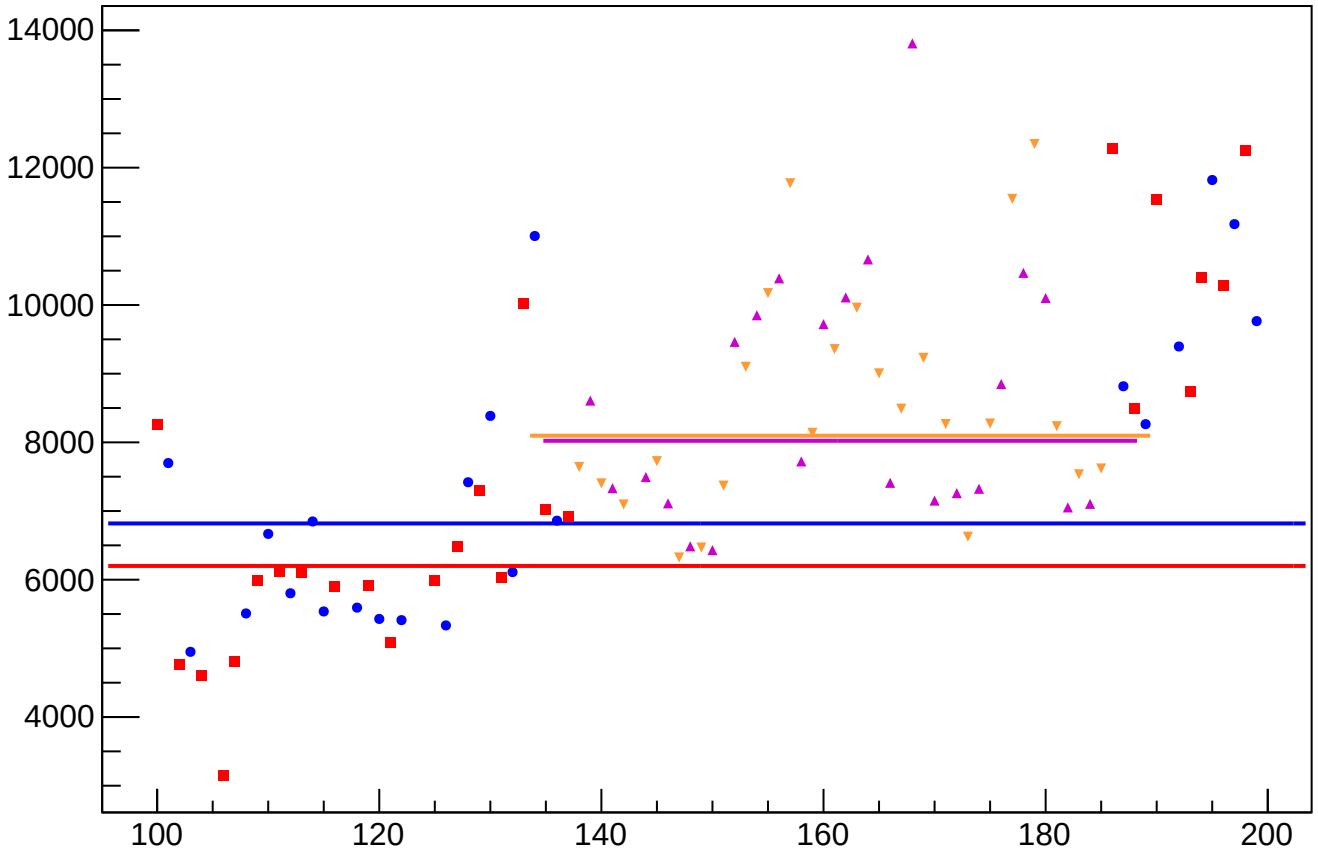
Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1688.341+/-0.220 χ^2/NDF: 936484.2/45

All: 1684.351+/-0.154 χ^2/NDF: 1719696.4/93

- sign 1680.454+/-0.217 χ^2/NDF: 782559.3/47


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: 237.763+/-2089.787 χ²/NDF: 22.7/21
Left Out: 284.927+/-1920.138 χ²/NDF:28.7/23
Right Out: -1523.991+/-1871.436 χ²/NDF: 26.4/24
Left In: -382.663+/-1912.388 χ²/NDF:13.6/22
+ sign 263.337+/-1413.920 χ²/NDF: 51.3/45
All: -385.258+/-971.667 χ²/NDF: 92.0/93
- sign -965.678+/-1337.549 χ²/NDF: 40.2/47



Right In: 6819.247+/-1.478 χ^2/NDF: 1579517.1/21

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6200.470+/-1.323 χ^2/NDF: 2680699.2/24

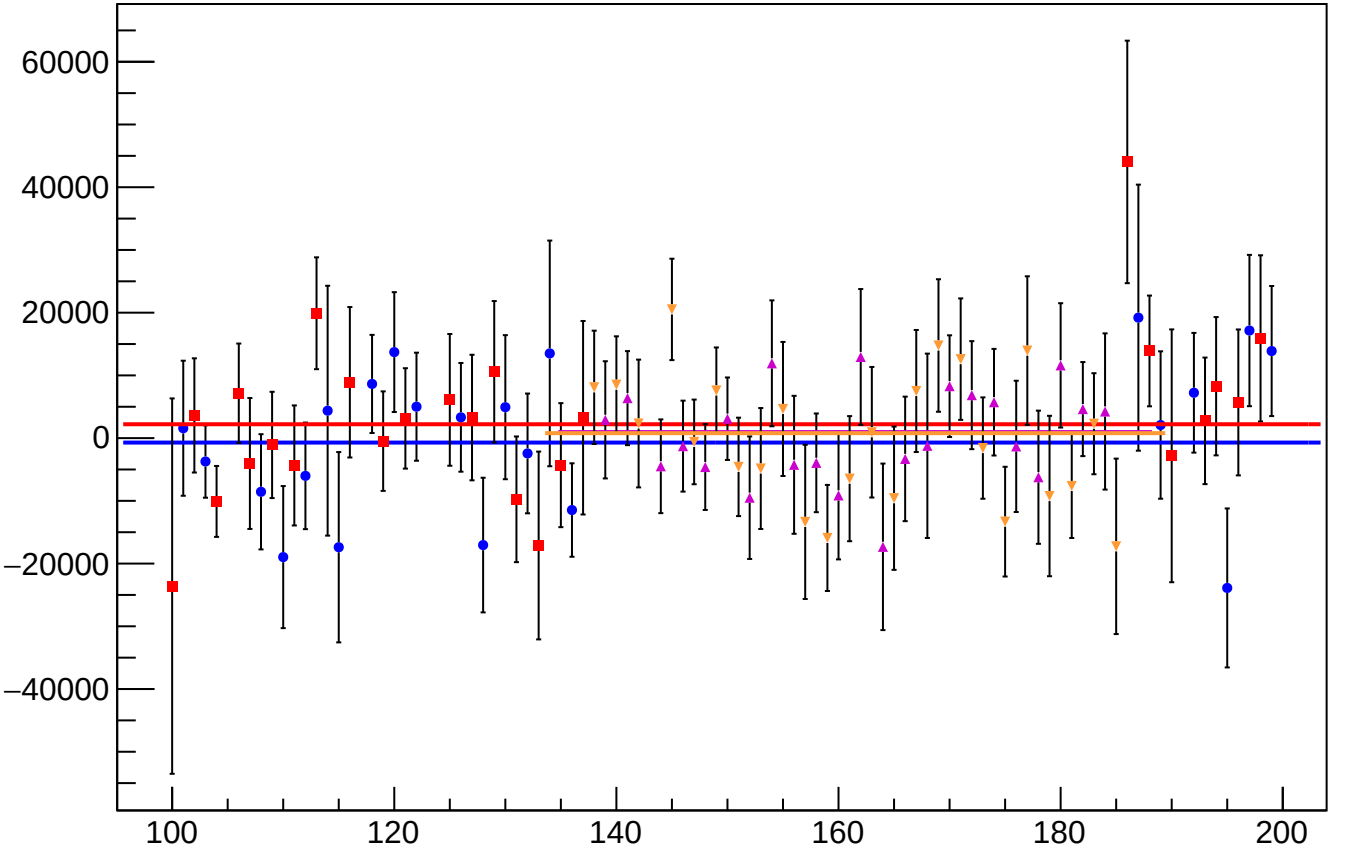
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7511.995+/-1.000 χ^2/NDF: 3072624.0/45

All: 7290.288+/-0.687 χ^2/NDF: 7999680.7/93

- sign 7091.884+/-0.946 χ^2/NDF: 4833876.1/47

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -708.641+/-2111.545 χ^2/NDF: 24.1/21

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 2212.378+/-1998.384 χ^2/NDF: 23.4/24

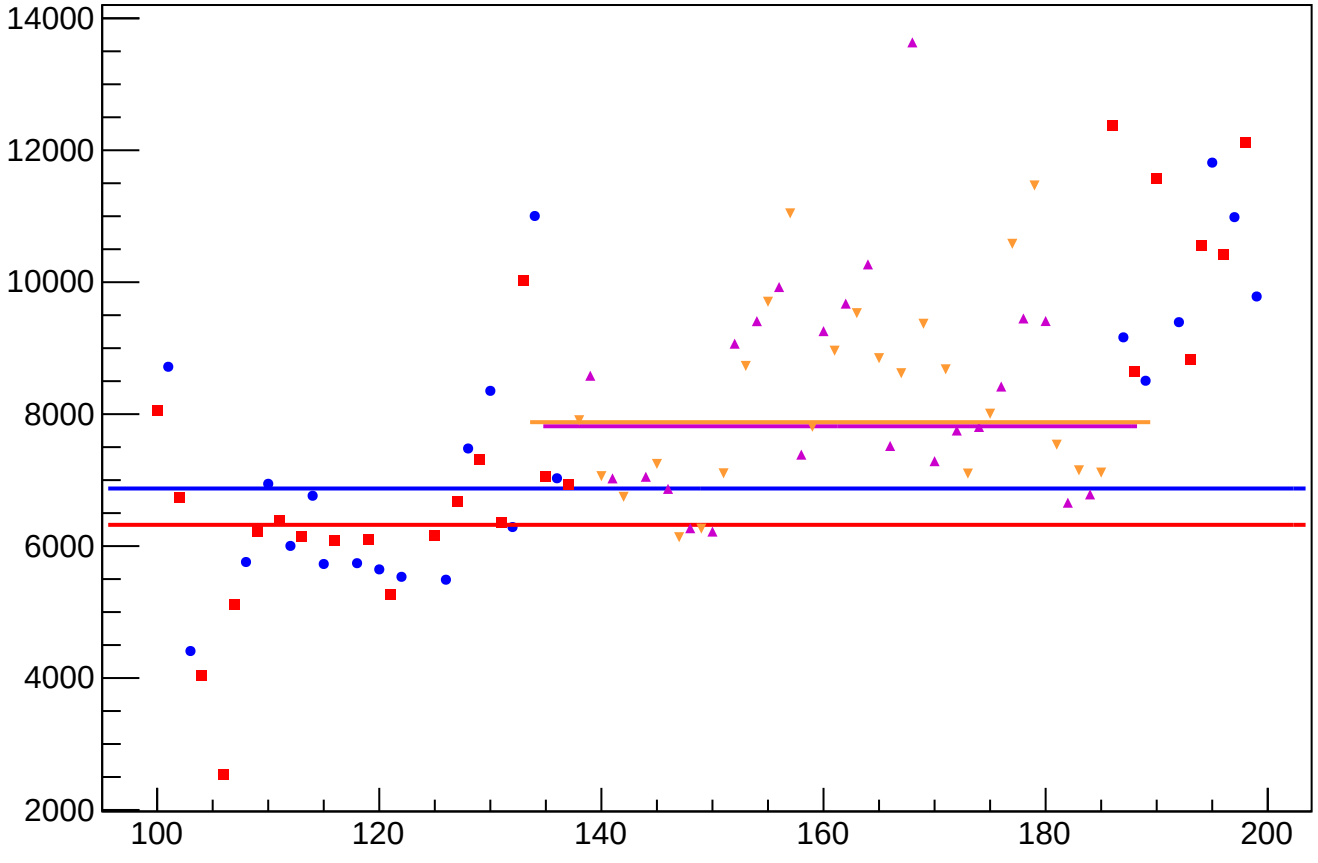
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 133.905+/-1397.879 χ^2/NDF: 51.6/45

All: 857.255+/-975.328 χ^2/NDF: 88.5/93

- sign 1543.430+/-1361.485 χ^2/NDF: 36.4/47

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6873.051+/-1.493 χ^2/NDF: 1707886.8/21

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

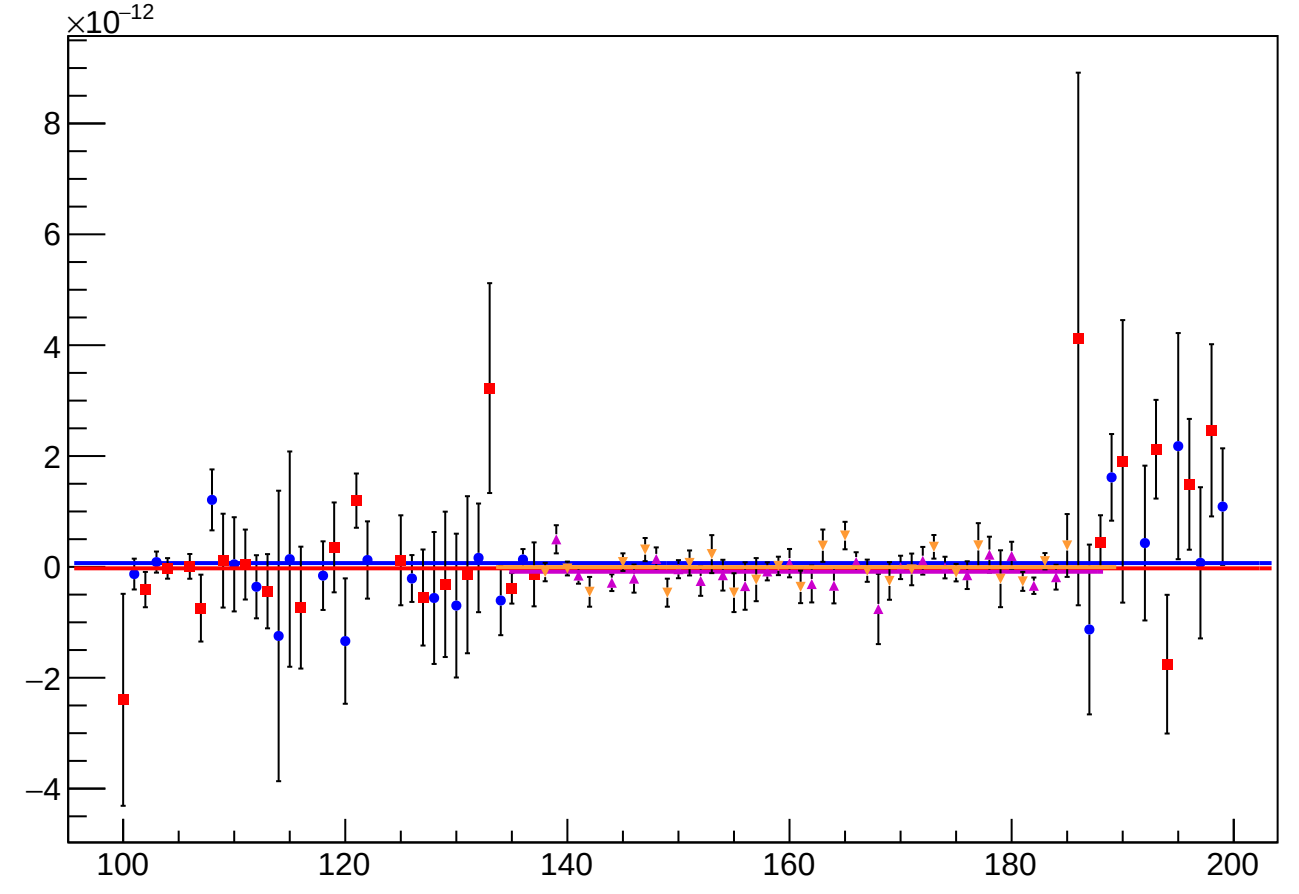
Right Out: 6322.174+/-1.372 χ^2/NDF: 2972987.0/24

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7437.833+/-0.988 χ^2/NDF: 2952667.2/45

All: 7262.531+/-0.685 χ^2/NDF: 7736731.1/93

- sign 7100.818+/-0.949 χ^2/NDF: 4723595.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

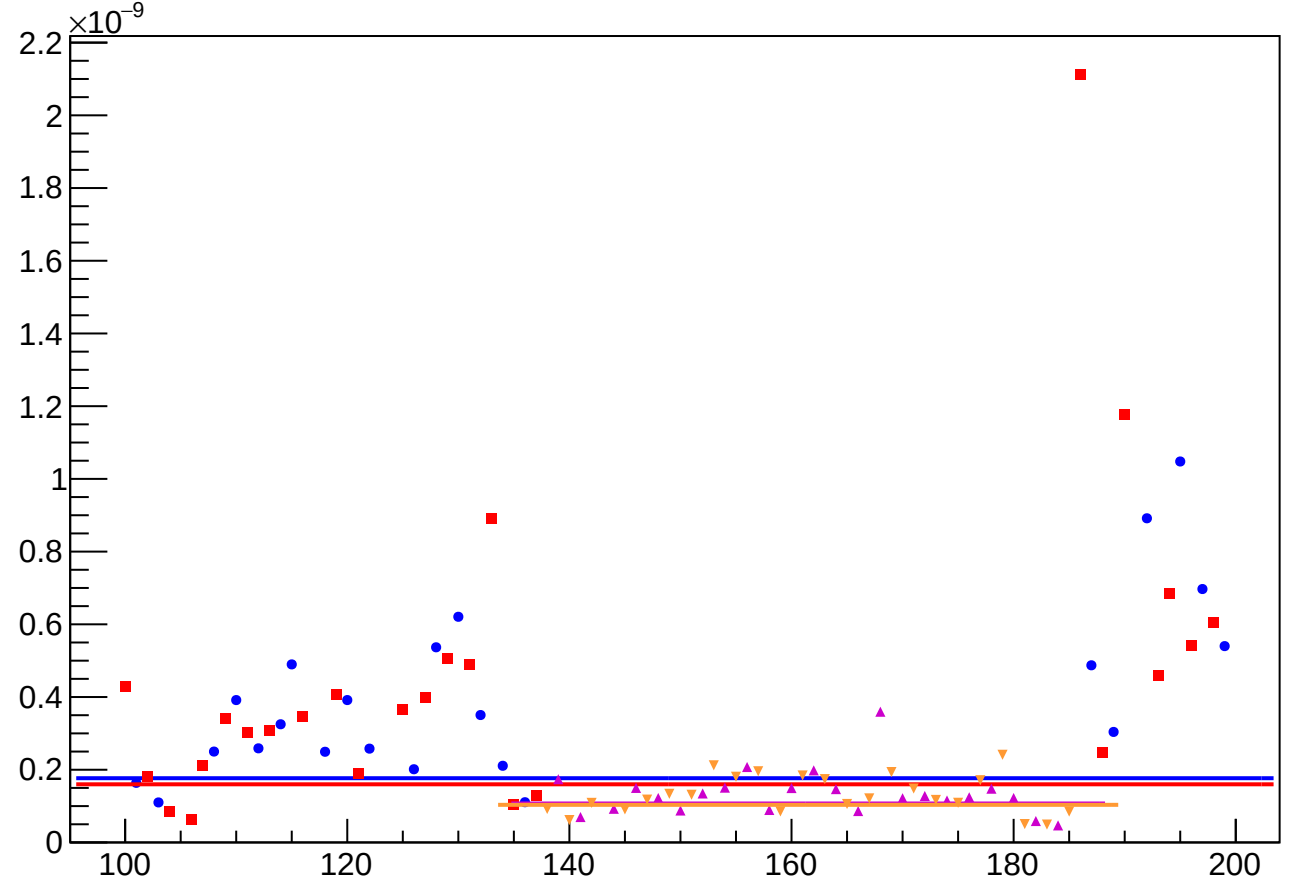
Right Out: -0.000+/-0.000 χ^2/NDF: 31.0/24

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.3/45

All: -0.000+/-0.000 χ^2/NDF: 98.1/93

- sign -0.000+/-0.000 χ^2/NDF: 50.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 2933853.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3893420.6/24

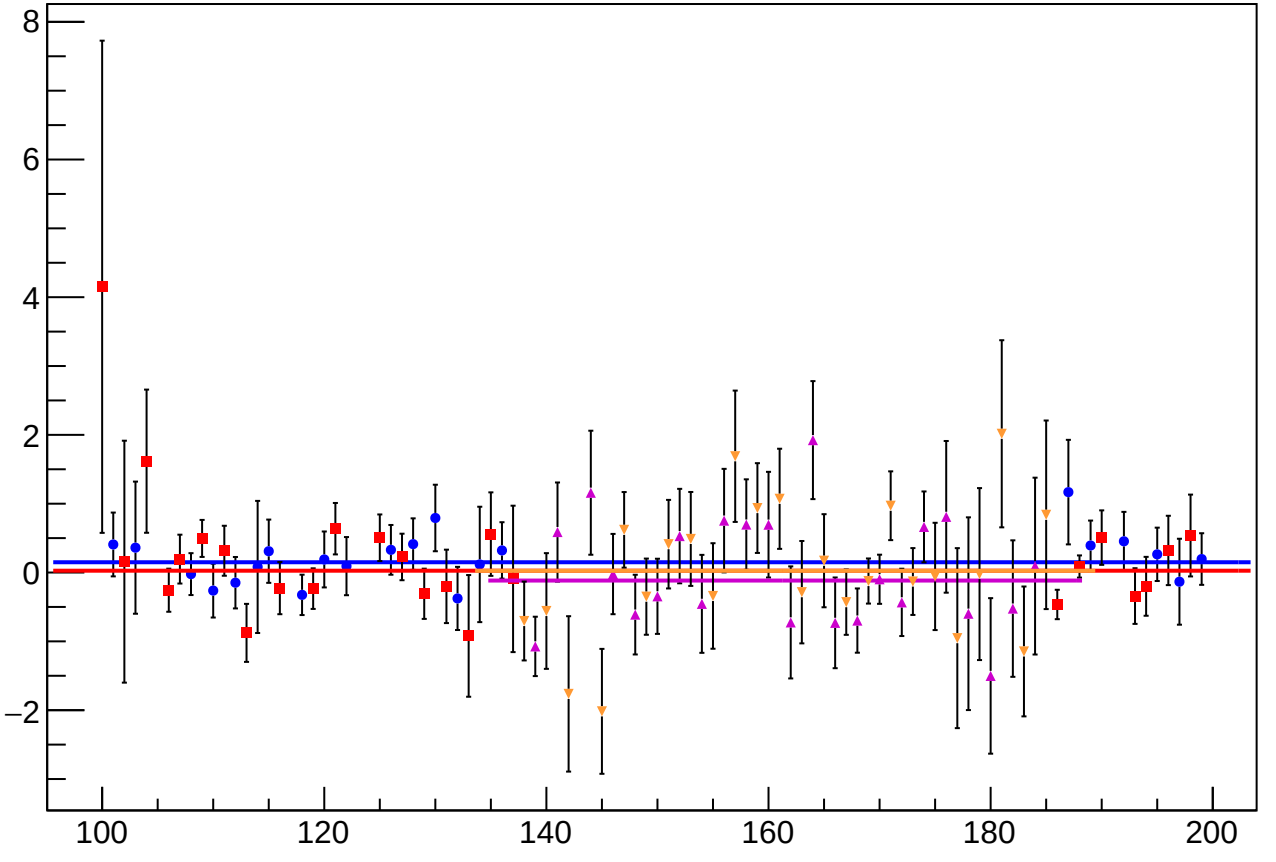
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5715573.4/45

All: 0.000+/-0.000 χ^2/NDF: 11677215.0/93

- sign 0.000+/-0.000 χ^2/NDF: 5960870.3/47

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

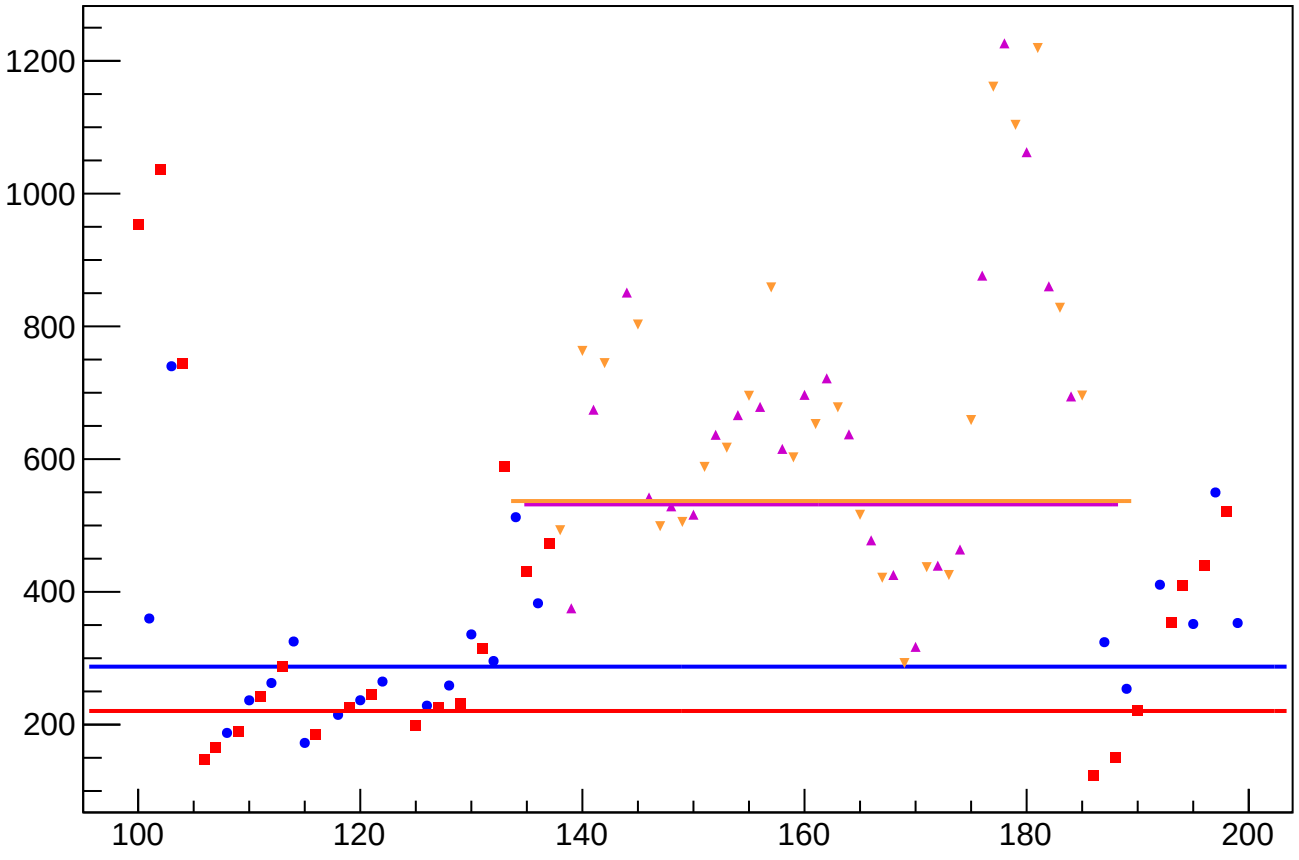
Right Out: 0.026+/-0.072 χ^2/NDF: 31.3/24

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.075 χ^2/NDF: 41.9/45

All: 0.042+/-0.048 χ^2/NDF: 103.3/93

- sign -0.006+/-0.064 χ^2/NDF: 60.0/47



Right In: 287.338+/-0.064 χ^2/NDF: 2035374.6/21

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 220.542+/-0.051 χ^2/NDF: 4353521.3/24

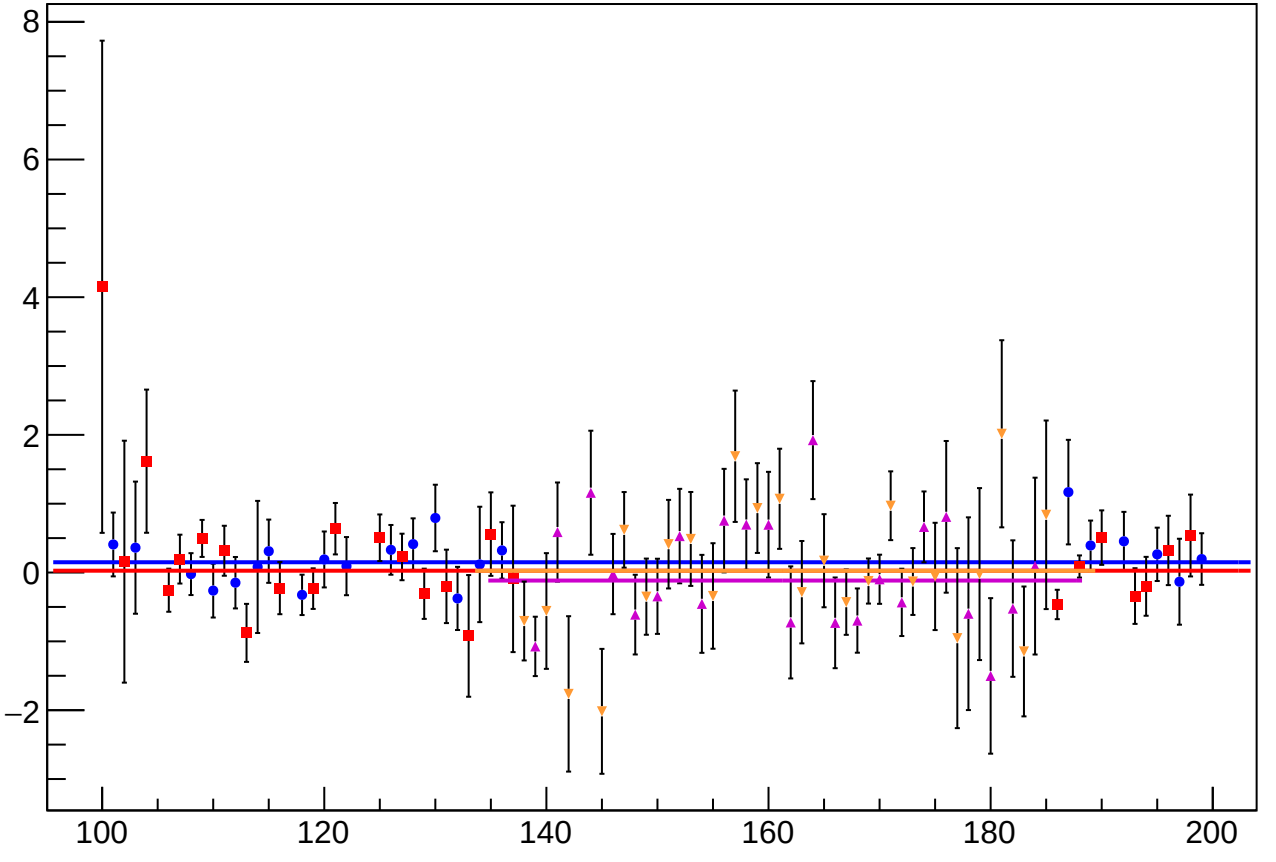
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 365.666+/-0.053 χ^2/NDF: 10756800.3/45

All: 322.840+/-0.034 χ^2/NDF: 28109102.8/93

- sign 292.156+/-0.045 χ^2/NDF: 16234942.5/47

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

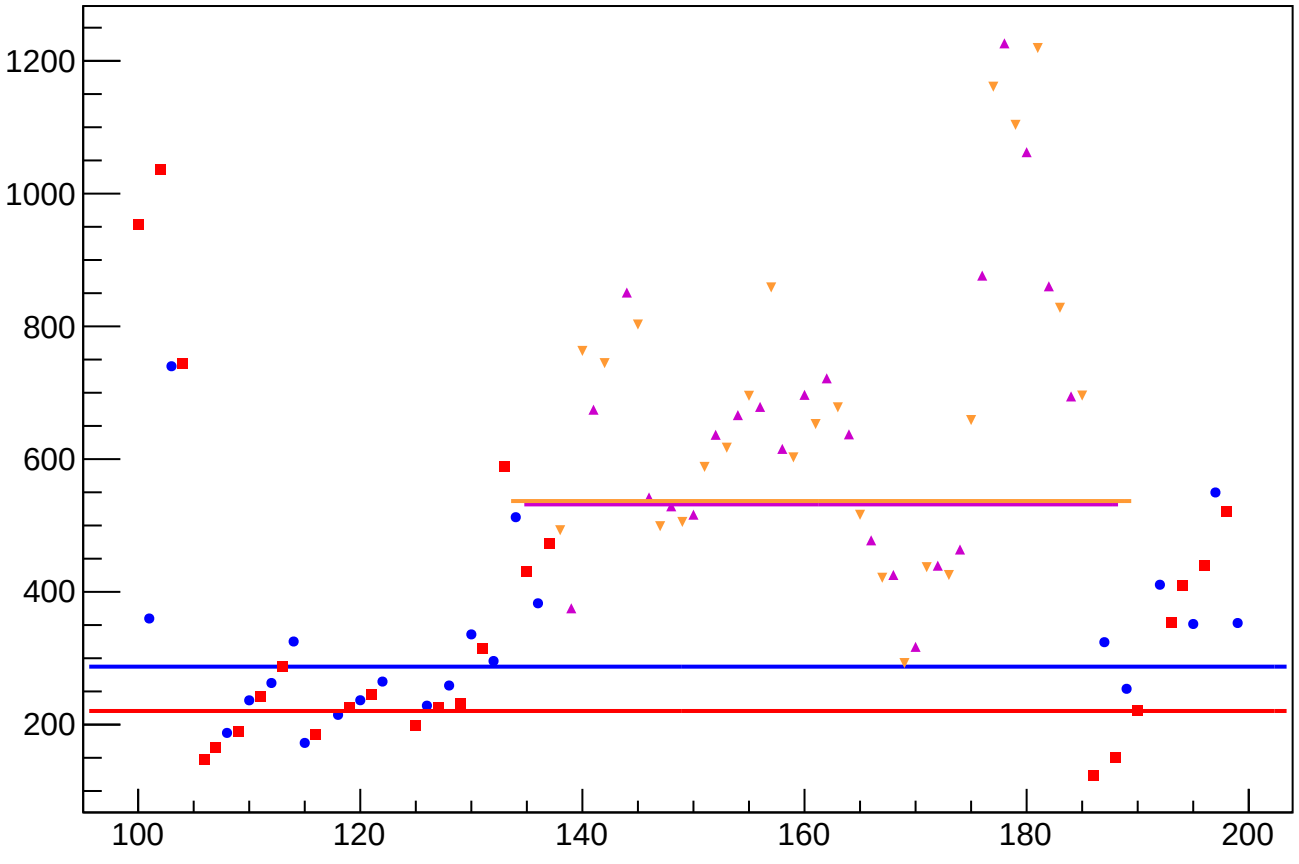
Right Out: 0.026+/-0.072 χ^2/NDF: 31.3/24

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.075 χ^2/NDF: 41.9/45

All: 0.042+/-0.048 χ^2/NDF: 103.3/93

- sign -0.006+/-0.064 χ^2/NDF: 60.0/47



Right In: 287.338+/-0.064 χ^2/NDF: 2035374.6/21

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

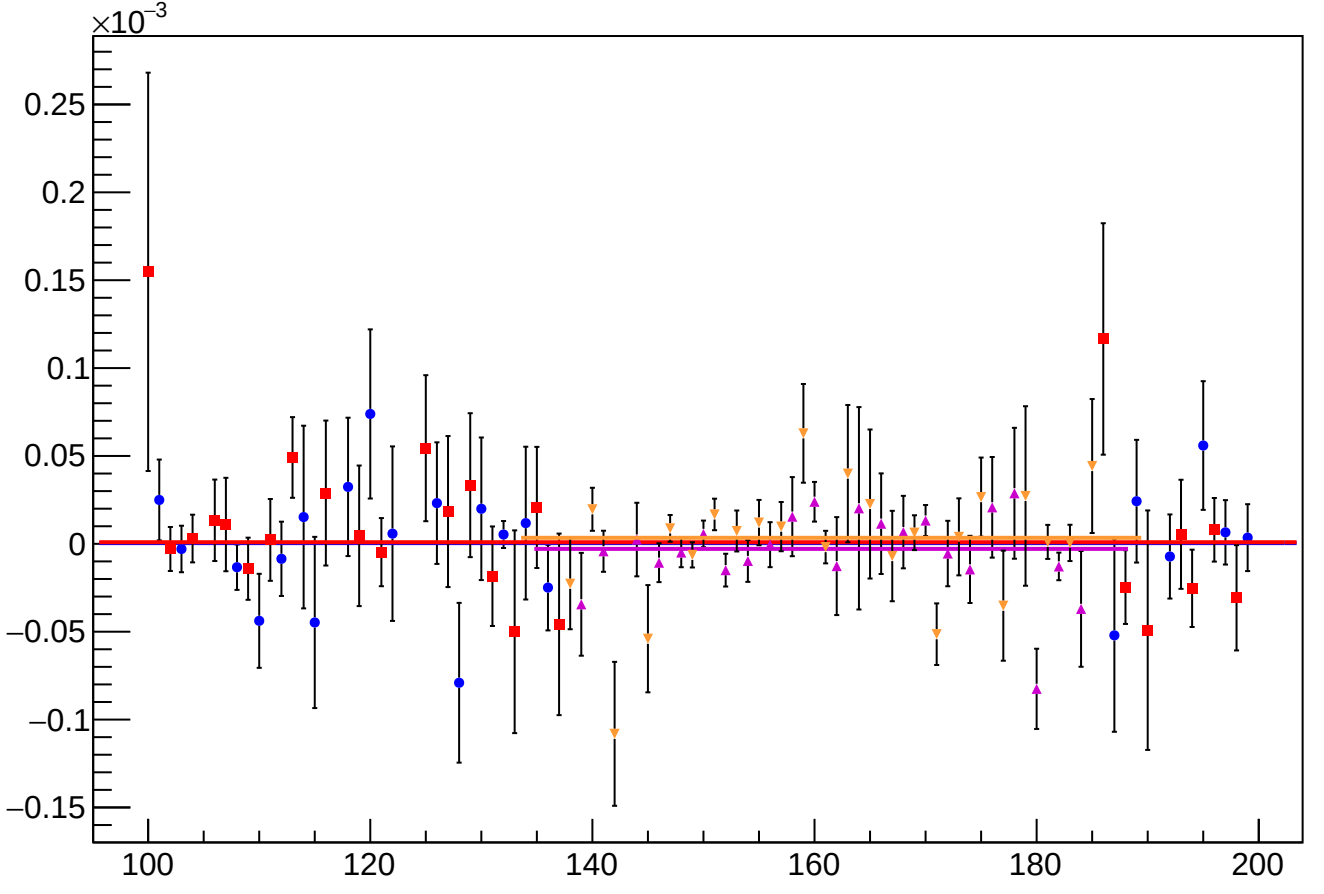
Right Out: 220.542+/-0.051 χ^2/NDF: 4353521.3/24

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 365.666+/-0.053 χ^2/NDF: 10756800.3/45

All: 322.840+/-0.034 χ^2/NDF: 28109102.8/93

- sign 292.156+/-0.045 χ^2/NDF: 16234942.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

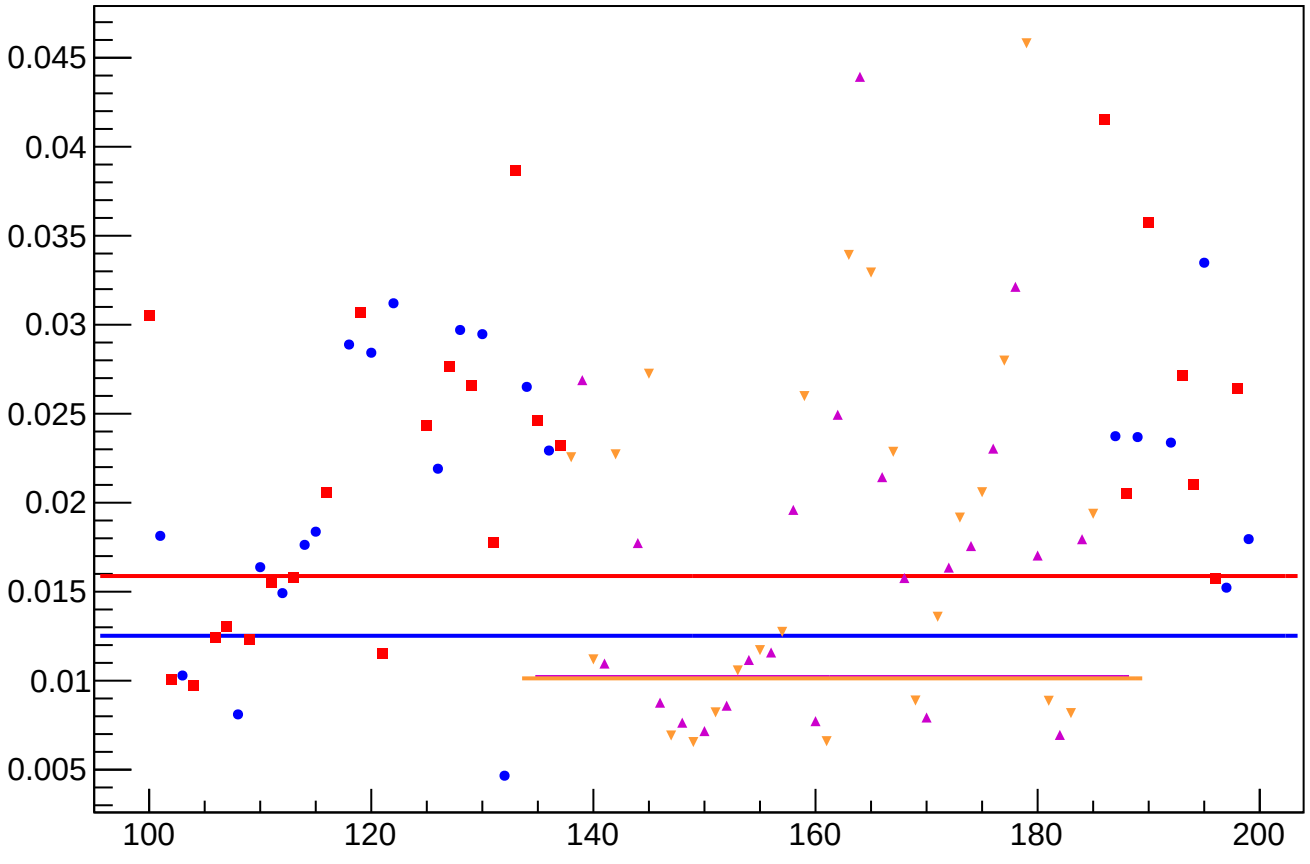
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/24

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/45

All: 0.000+/-0.000 χ^2/NDF: 113.0/93

- sign -0.000+/-0.000 χ^2/NDF: 53.4/47



Right In: 0.013+/-0.000 χ^2/NDF: 6386548.2/21

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 3473921.8/24

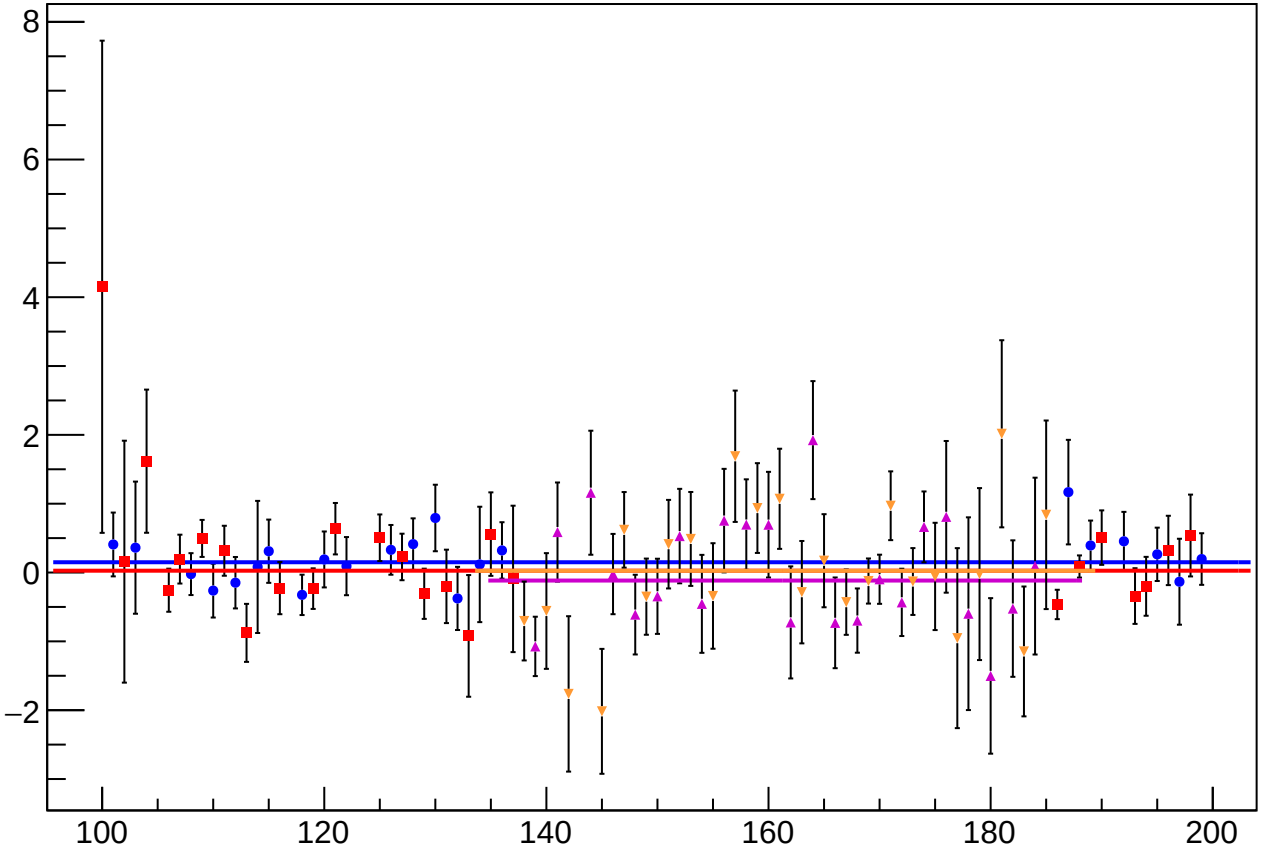
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 14614651.4/45

All: 0.011+/-0.000 χ^2/NDF: 26254196.8/93

- 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: 0.149+/-0.091 χ^2/NDF: 12.3/21

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

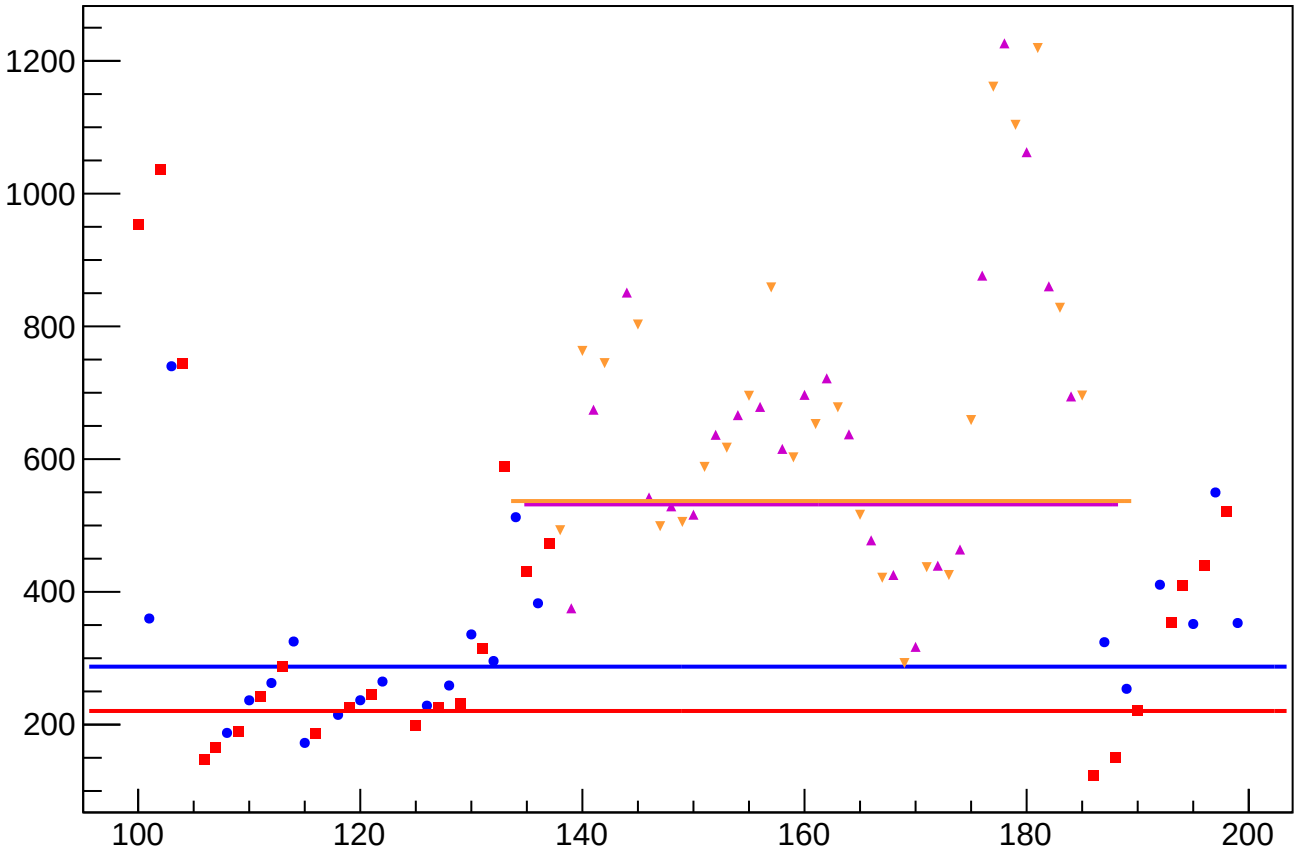
Right Out: 0.027+/-0.072 χ^2/NDF: 31.3/24

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.075 χ^2/NDF: 41.9/45

All: 0.042+/-0.048 χ^2/NDF: 103.3/93

- sign -0.006+/-0.064 χ^2/NDF: 60.0/47



Right In: 287.336+/-0.064 χ^2/NDF: 2035367.0/21

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 220.540+/-0.051 χ^2/NDF: 4353626.7/24

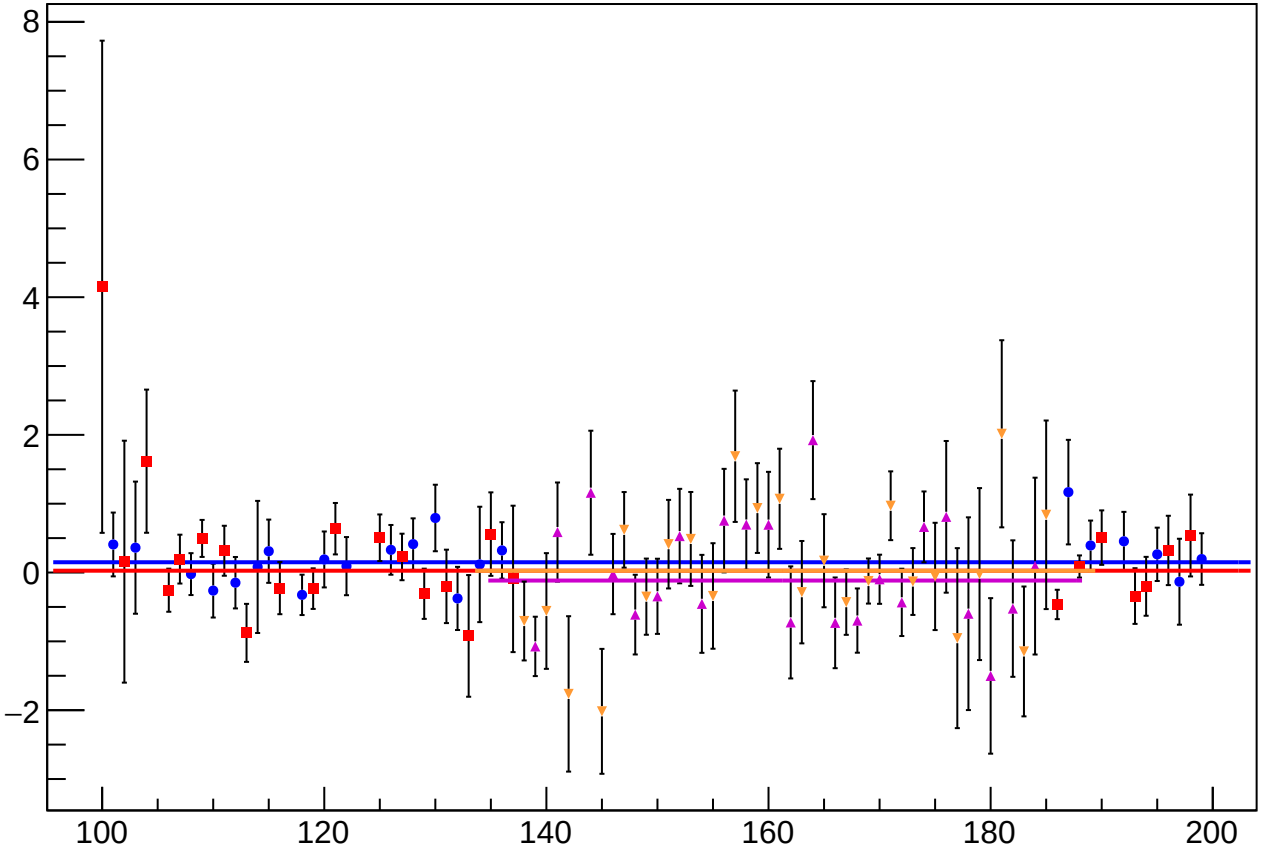
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 365.664+/-0.053 χ^2/NDF: 10757058.1/45

All: 322.838+/-0.034 χ^2/NDF: 28109841.2/93

- sign 292.153+/-0.045 χ^2/NDF: 16235387.6/47

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

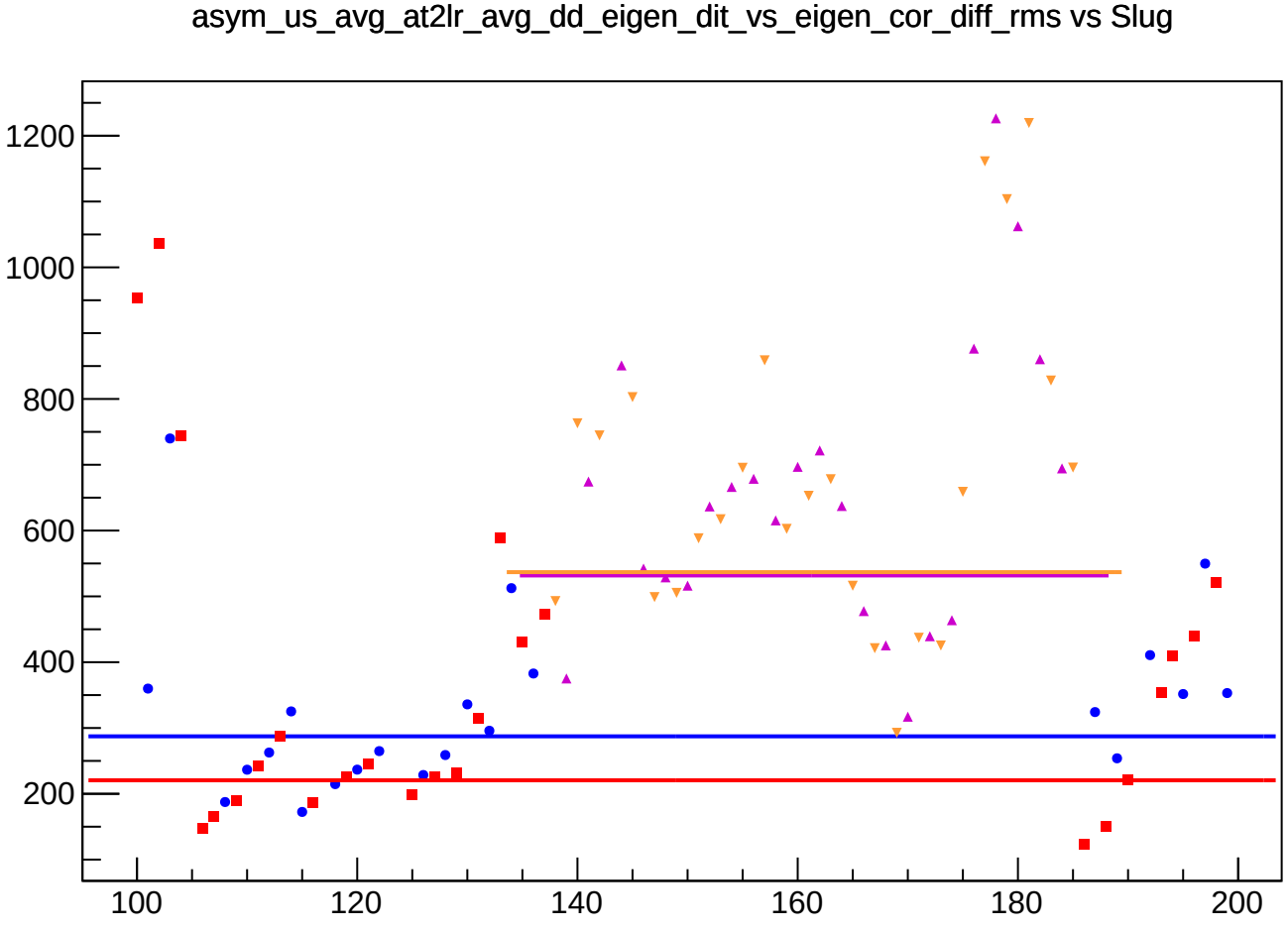
Right Out: 0.027+/-0.072 χ^2/NDF: 31.3/24

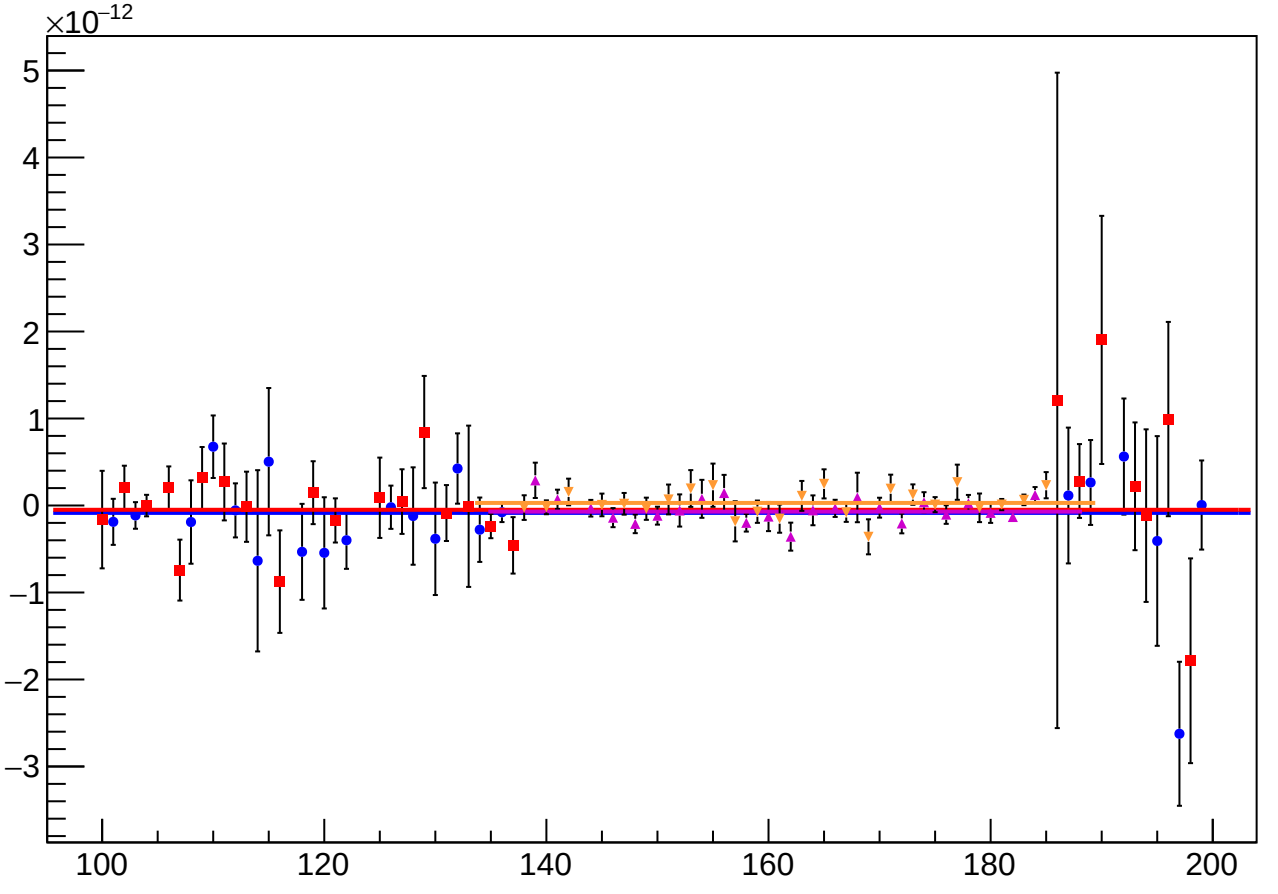
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.110+/-0.075 χ^2/NDF: 41.9/45

All: 0.042+/-0.048 χ^2/NDF: 103.3/93

- sign -0.006+/-0.064 χ^2/NDF: 60.0/47


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 287.336+/-0.064 χ²/NDF: 2035367.0/21
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 365.664+/-0.053 χ²/NDF: 10757058.1/45
All: 322.838+/-0.034 χ²/NDF: 28109841.2/93
- sign 292.153+/-0.045 χ²/NDF: 16235387.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

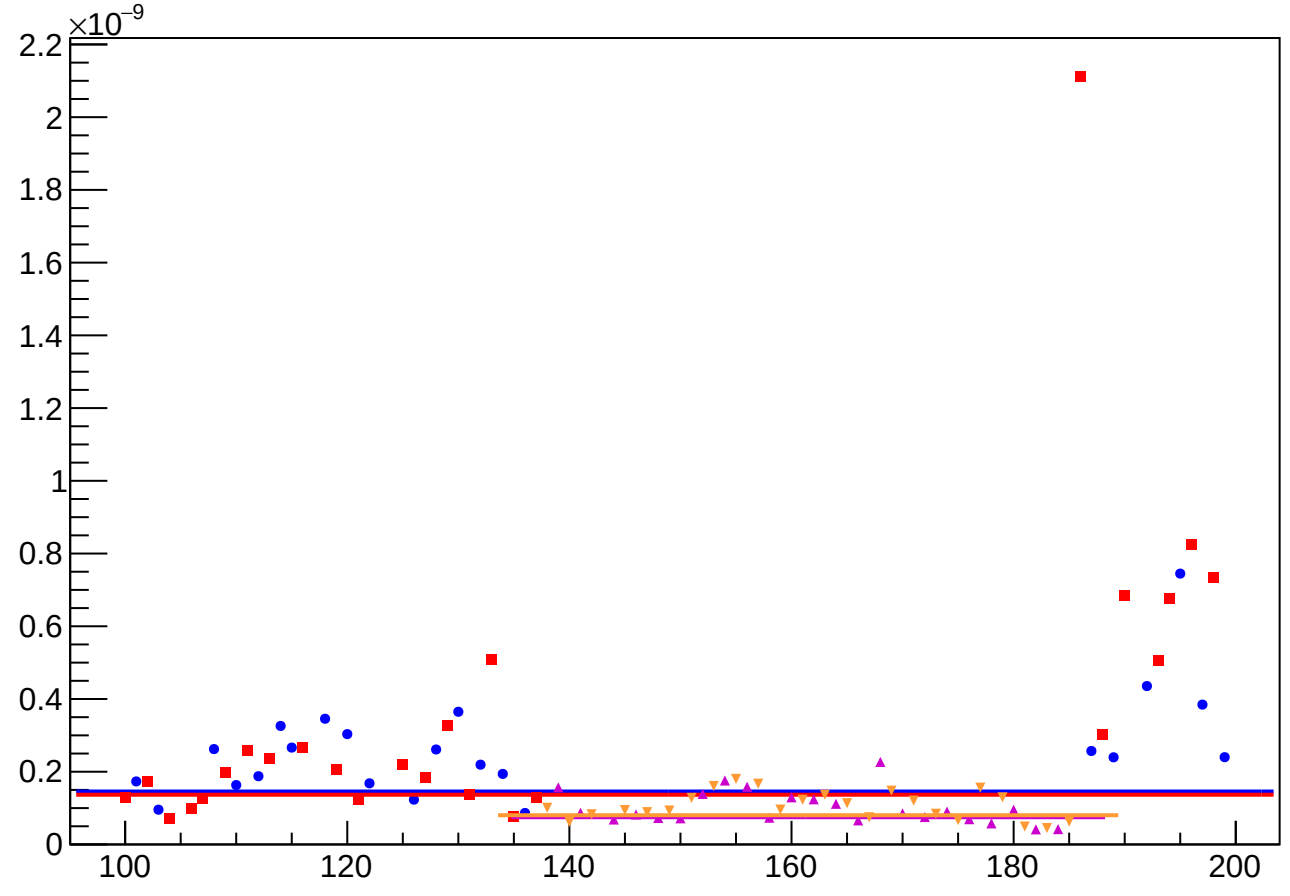
Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/24

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/45

All: -0.000+/-0.000 χ^2/NDF: 93.1/93

- sign -0.000+/-0.000 χ^2/NDF: 45.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 3088967.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5627411.6/24

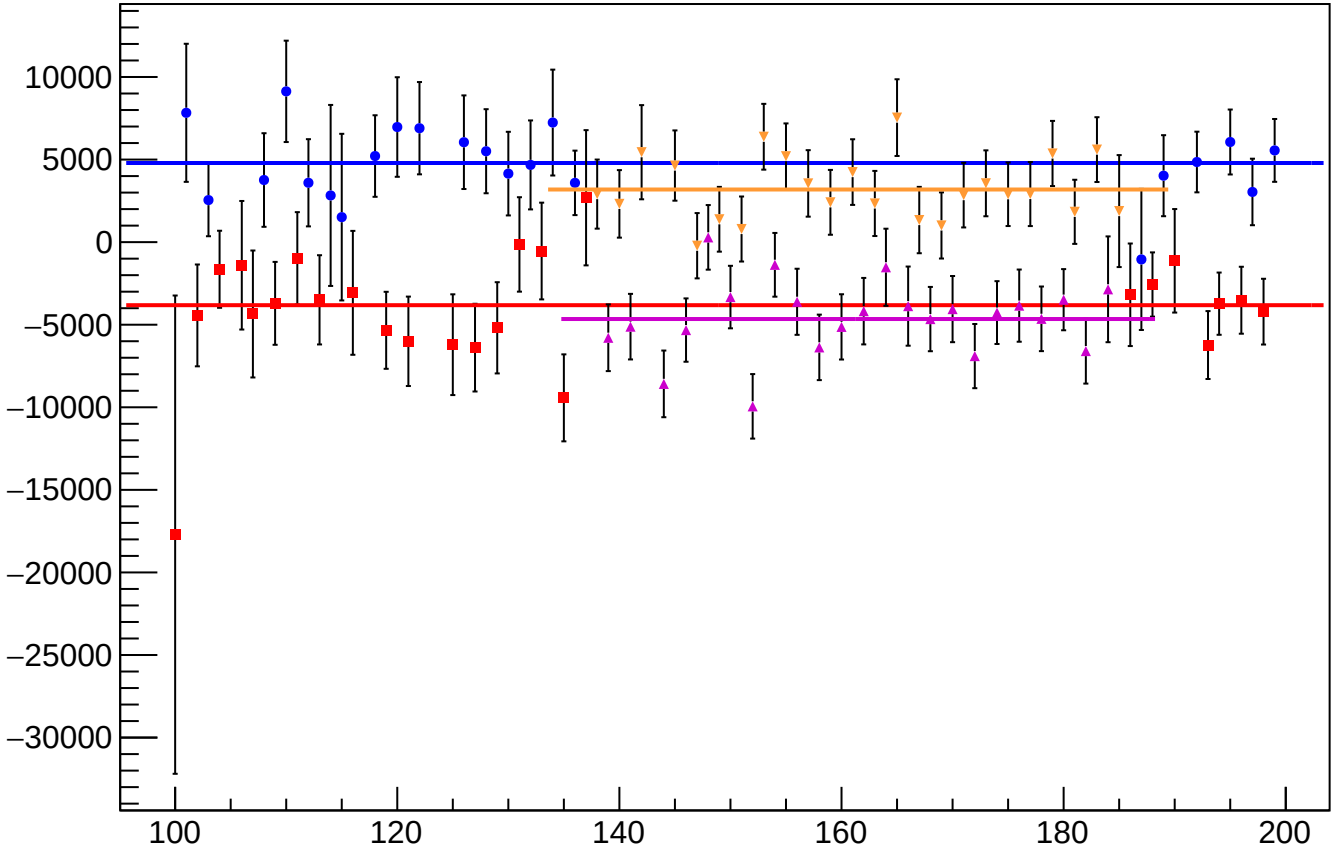
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8503220.2/45

All: 0.000+/-0.000 χ^2/NDF: 19553975.6/93

- sign 0.000+/-0.000 χ^2/NDF: 10983082.0/47

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4792.404+/-546.693 χ^2/NDF: 10.2/21

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3817.467+/-530.788 χ^2/NDF: 18.8/24

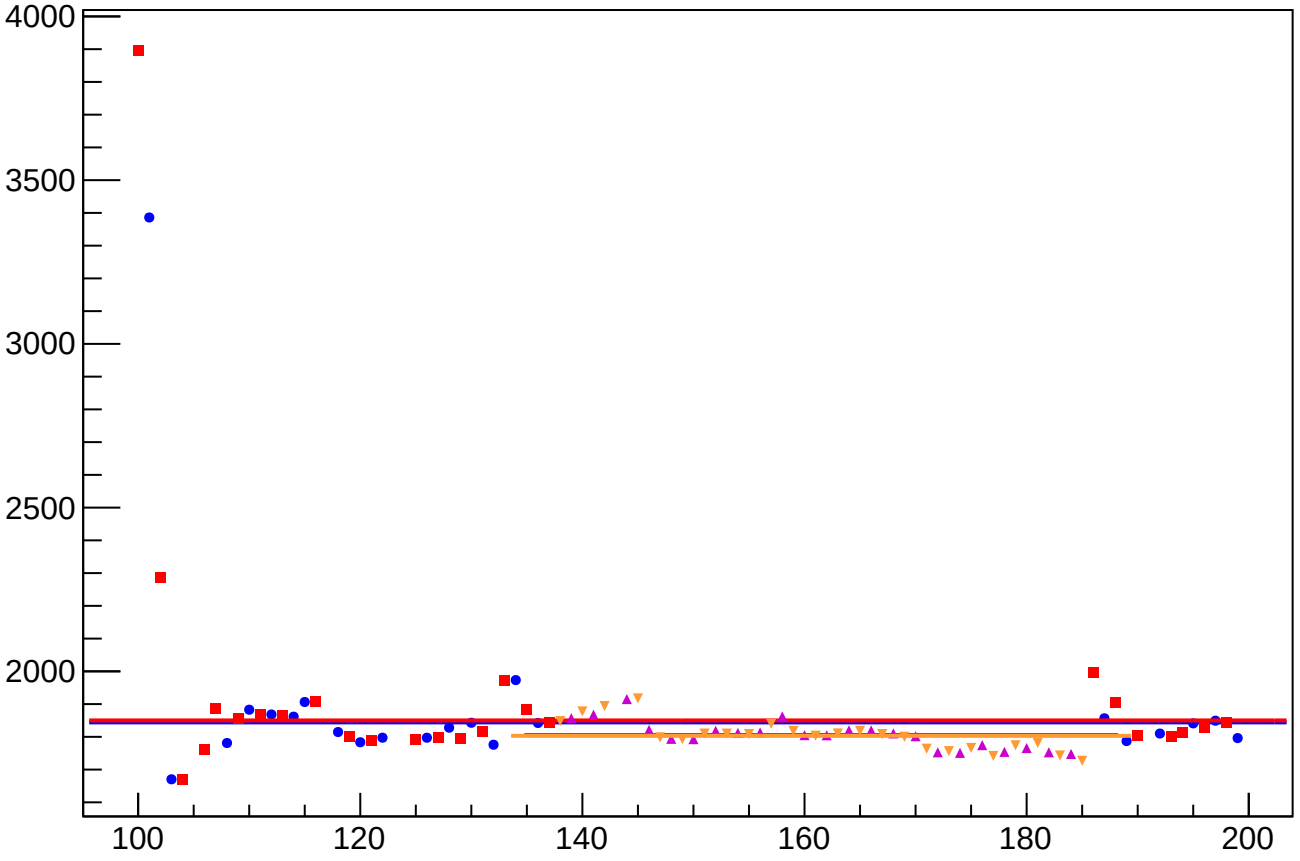
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3780.466+/-332.369 χ^2/NDF: 35.5/45

All: -302.143+/-234.241 χ^2/NDF: 383.3/93

- sign -4331.048+/-330.176 χ^2/NDF: 48.0/47

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1844.086+/-0.387 χ^2/NDF: 296375.3/21

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

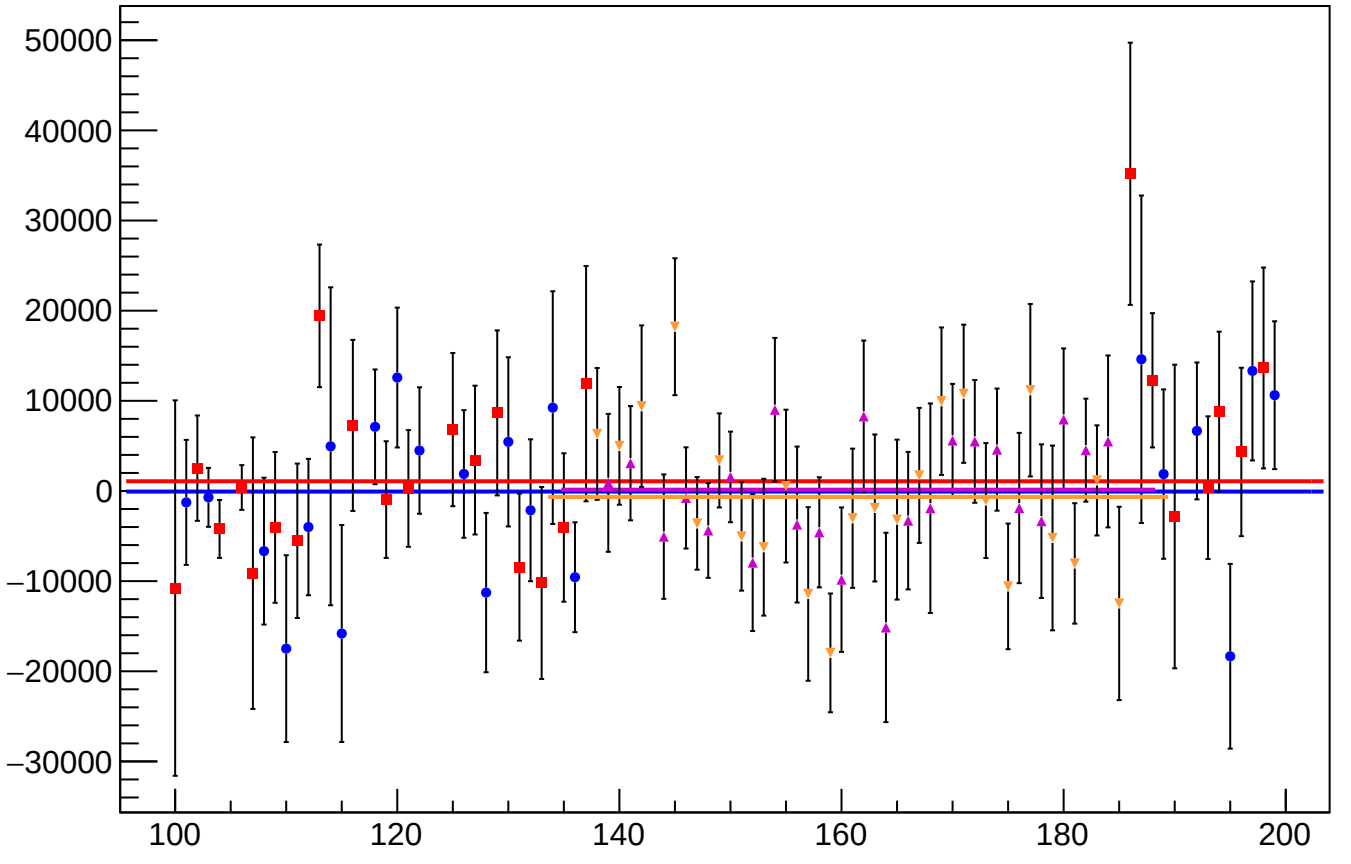
Right Out: 1850.086+/-0.375 χ^2/NDF: 110846.9/24

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1818.258+/-0.235 χ^2/NDF: 324097.6/45

All: 1820.559+/-0.166 χ^2/NDF: 463096.8/93

- sign 1822.826+/-0.233 χ^2/NDF: 138809.0/47



Right In: -64.553+/-1606.349 χ^2/NDF: 23.2/21

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: 1077.295+/-1339.062 χ^2/NDF: 25.3/24

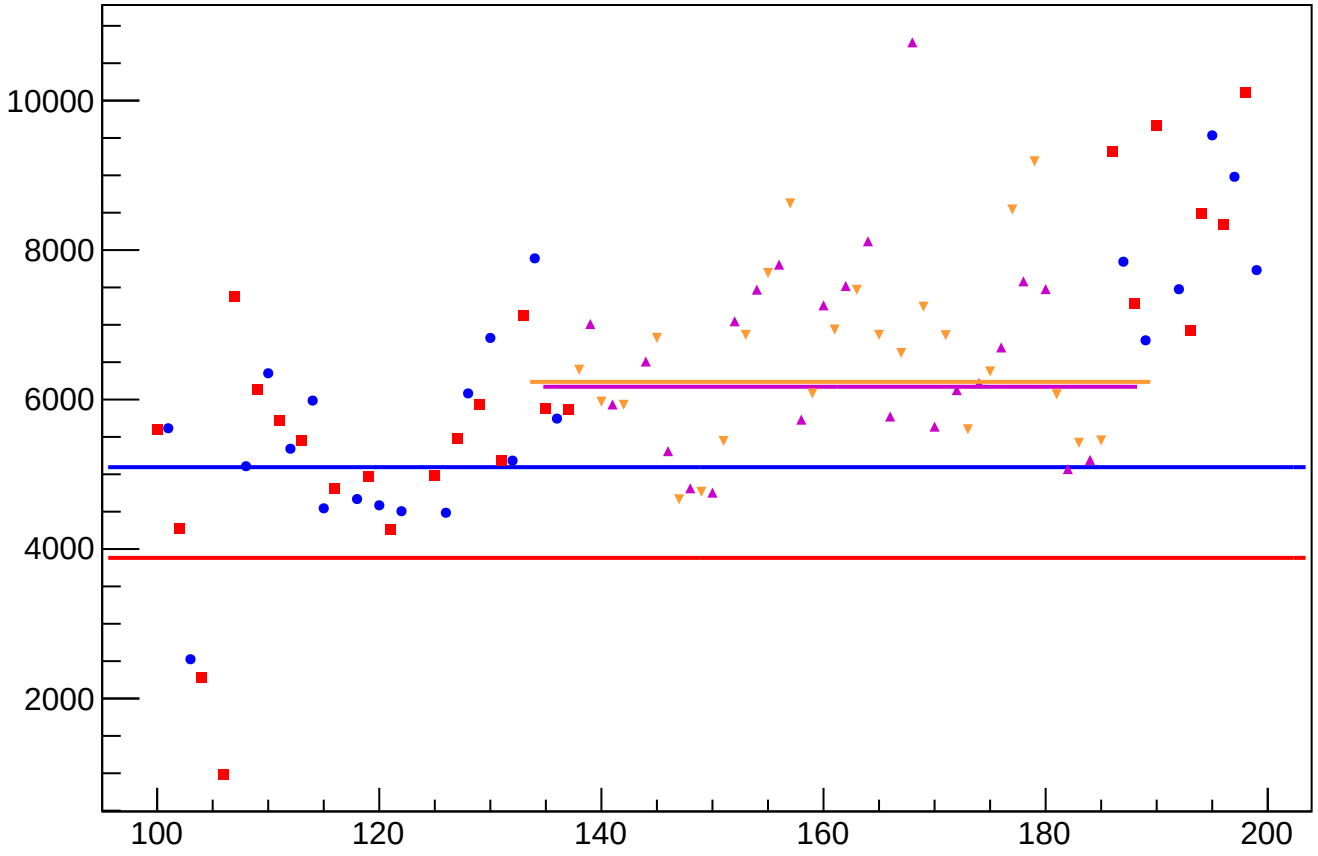
Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -390.773+/-1087.970 χ^2/NDF: 53.0/45

All: 180.712+/-732.364 χ^2/NDF: 92.6/93

- sign 654.232+/-990.339 χ^2/NDF: 39.1/47

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



Right In: 5095.364+/-1.136 χ^2/NDF: 2741340.2/21

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3881.938+/-0.947 χ^2/NDF: 7215696.4/24

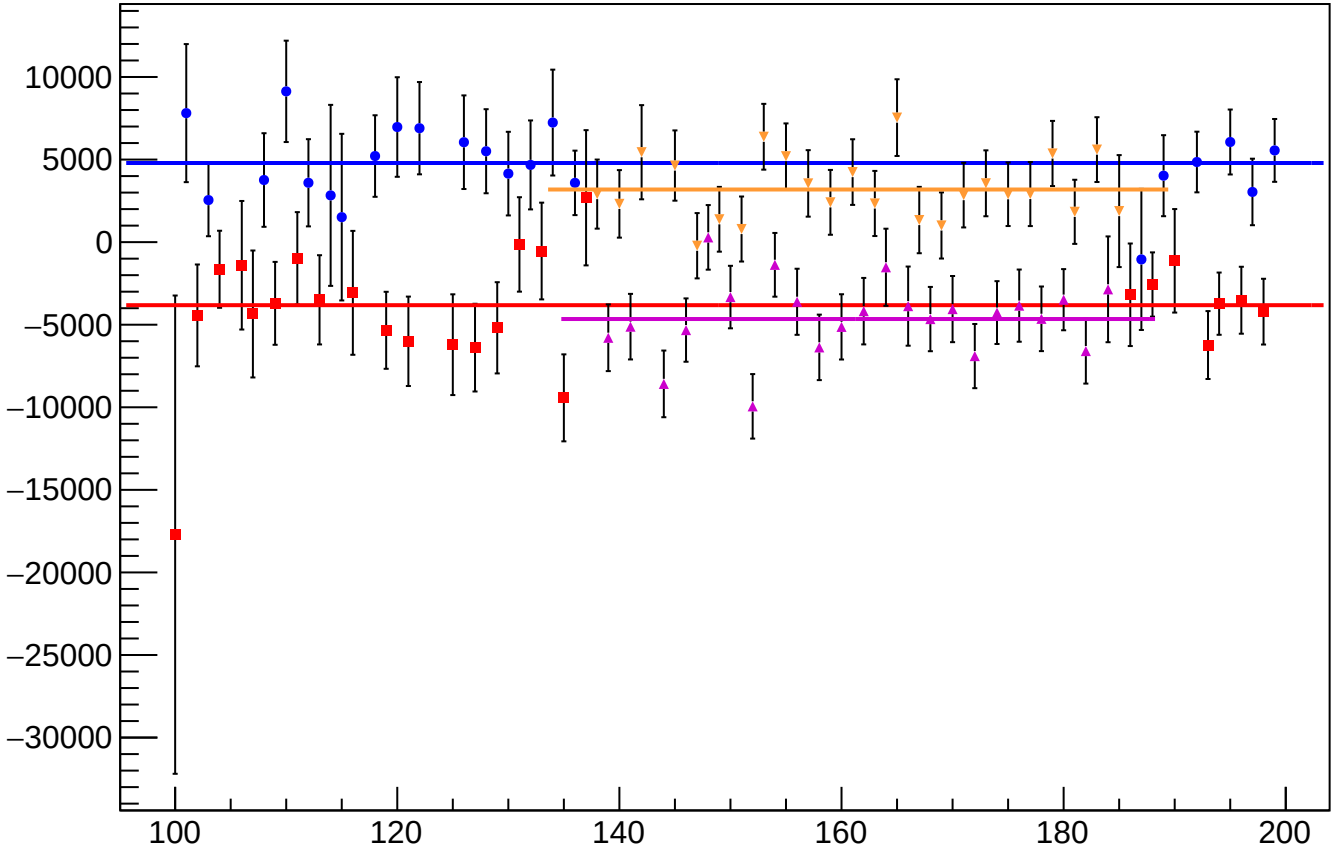
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5713.104+/-0.769 χ^2/NDF: 4355442.8/45

All: 5278.747+/-0.518 χ^2/NDF: 16038811.4/9

- sign 4918.849+/-0.700 χ^2/NDF: 11100458.1/47

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4792.144+/-546.693 χ^2/NDF: 10.2/21

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3817.328+/-530.788 χ^2/NDF: 18.8/24

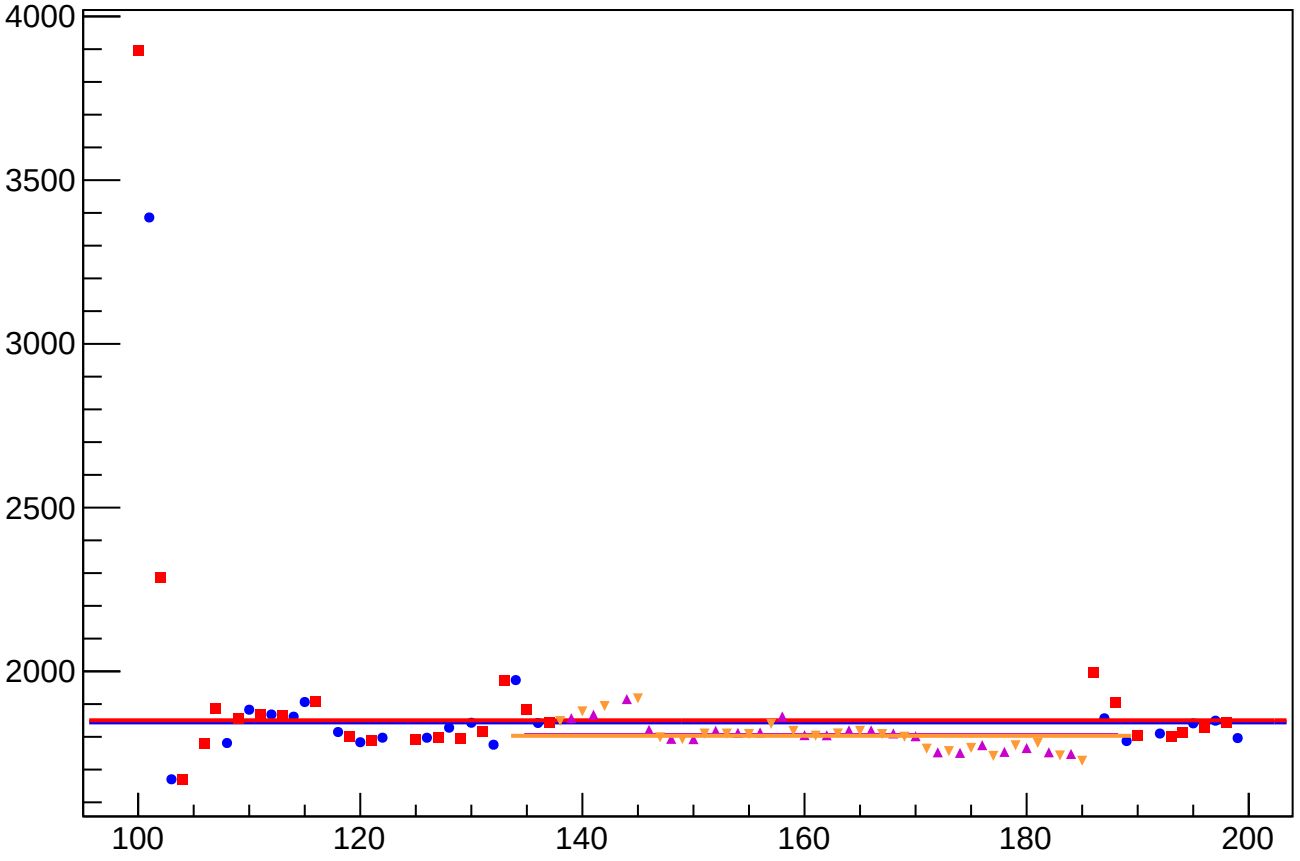
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3780.327+/-332.369 χ^2/NDF: 35.5/45

All: -302.191+/-234.241 χ^2/NDF: 383.3/93

- sign -4331.006+/-330.176 χ^2/NDF: 48.0/47

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1844.086+/-0.387 χ^2/NDF: 296377.2/21

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

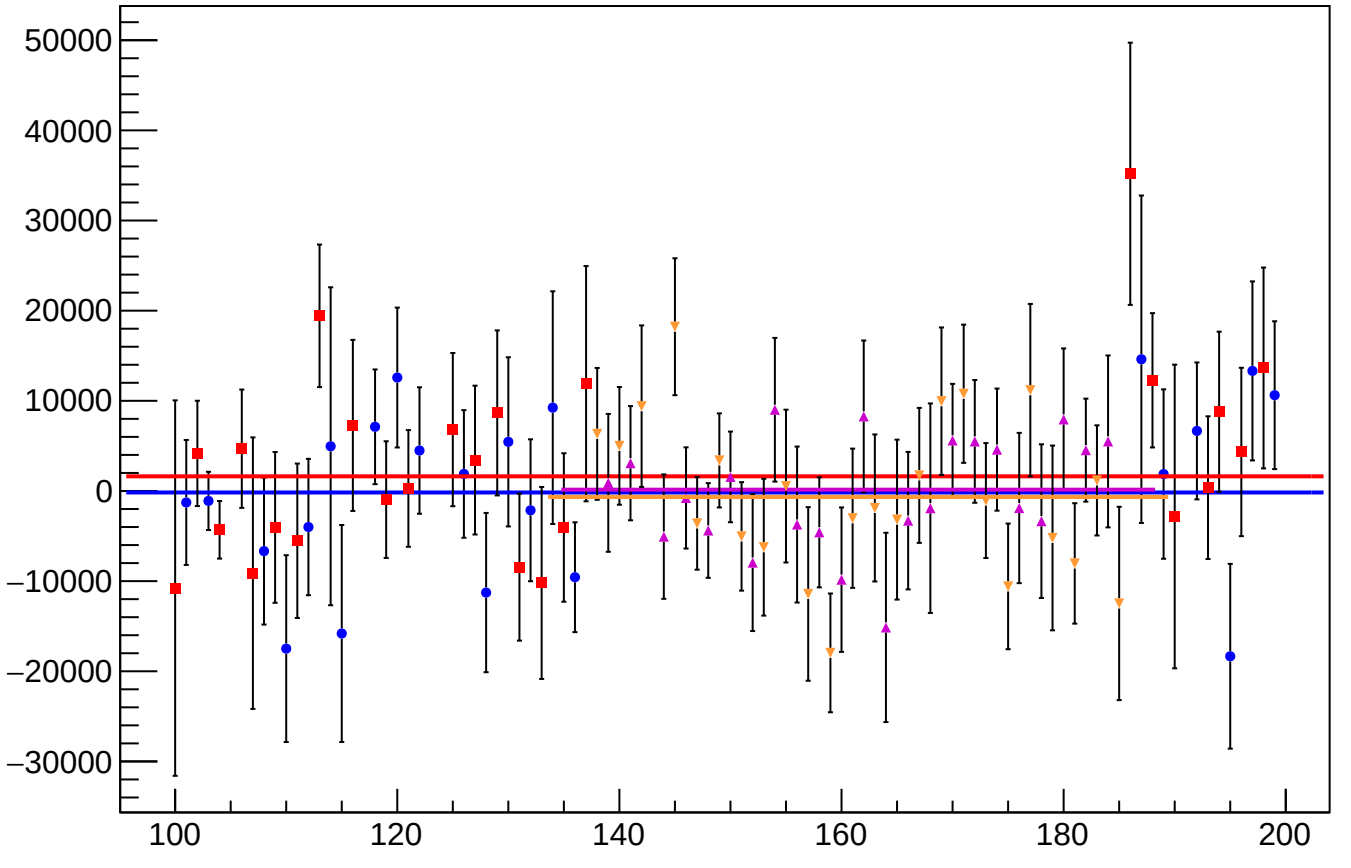
Right Out: 1850.497+/-0.375 χ^2/NDF: 110397.3/24

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.258+/-0.235 χ^2/NDF: 324099.4/45

All: 1820.637+/-0.166 χ^2/NDF: 462820.5/93

- sign 1822.981+/-0.233 χ^2/NDF: 138517.7/47



Right In: -165.798+/-1601.586 χ^2/NDF: 23.3/21

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: 1624.850+/-1543.997 χ^2/NDF: 25.7/24

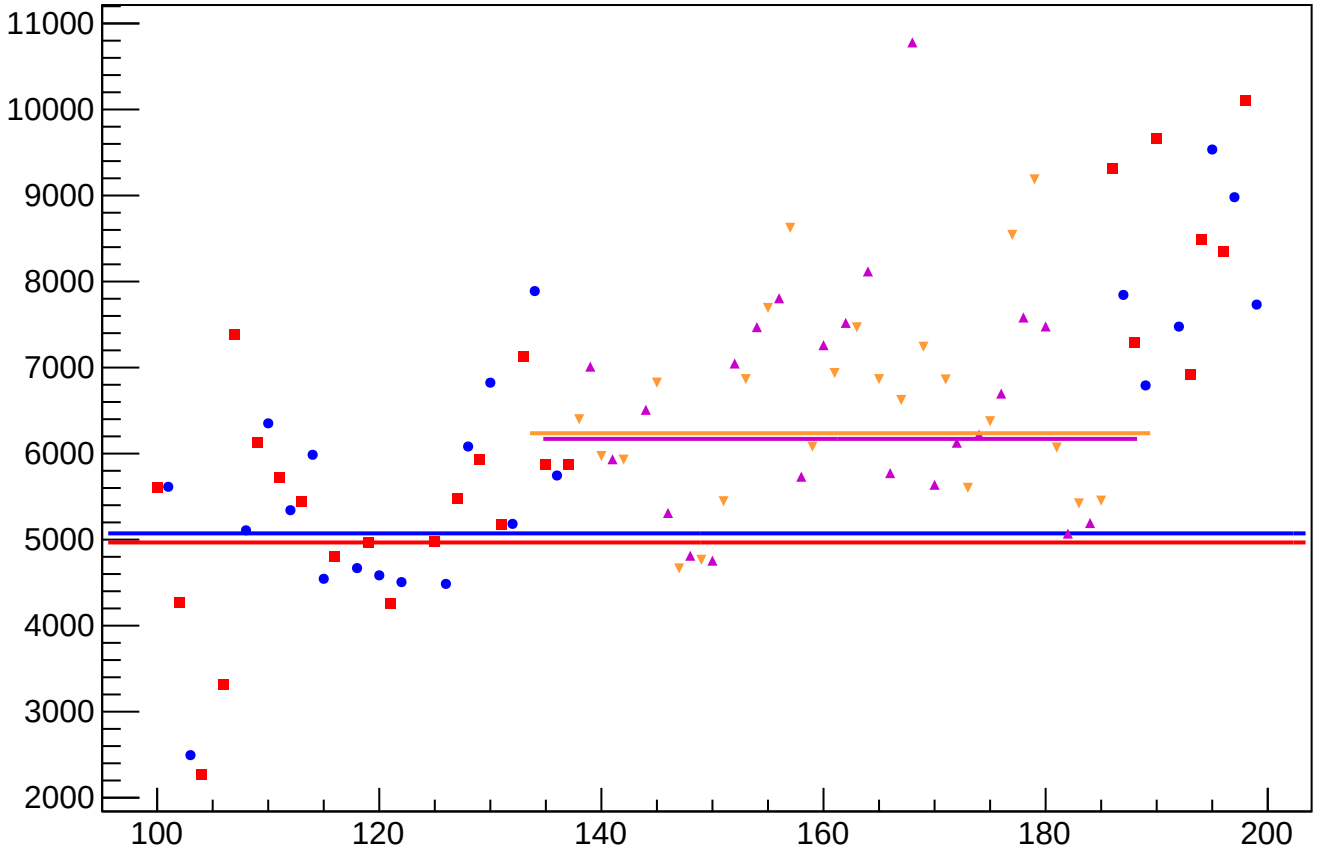
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -436.478+/-1086.487 χ^2/NDF: 53.1/45

All: 218.716+/-760.612 χ^2/NDF: 93.6/93

- sign 848.448+/-1065.166 χ^2/NDF: 39.8/47

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 5072.550+/-1.132 χ^2/NDF: 2801838.5/21

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

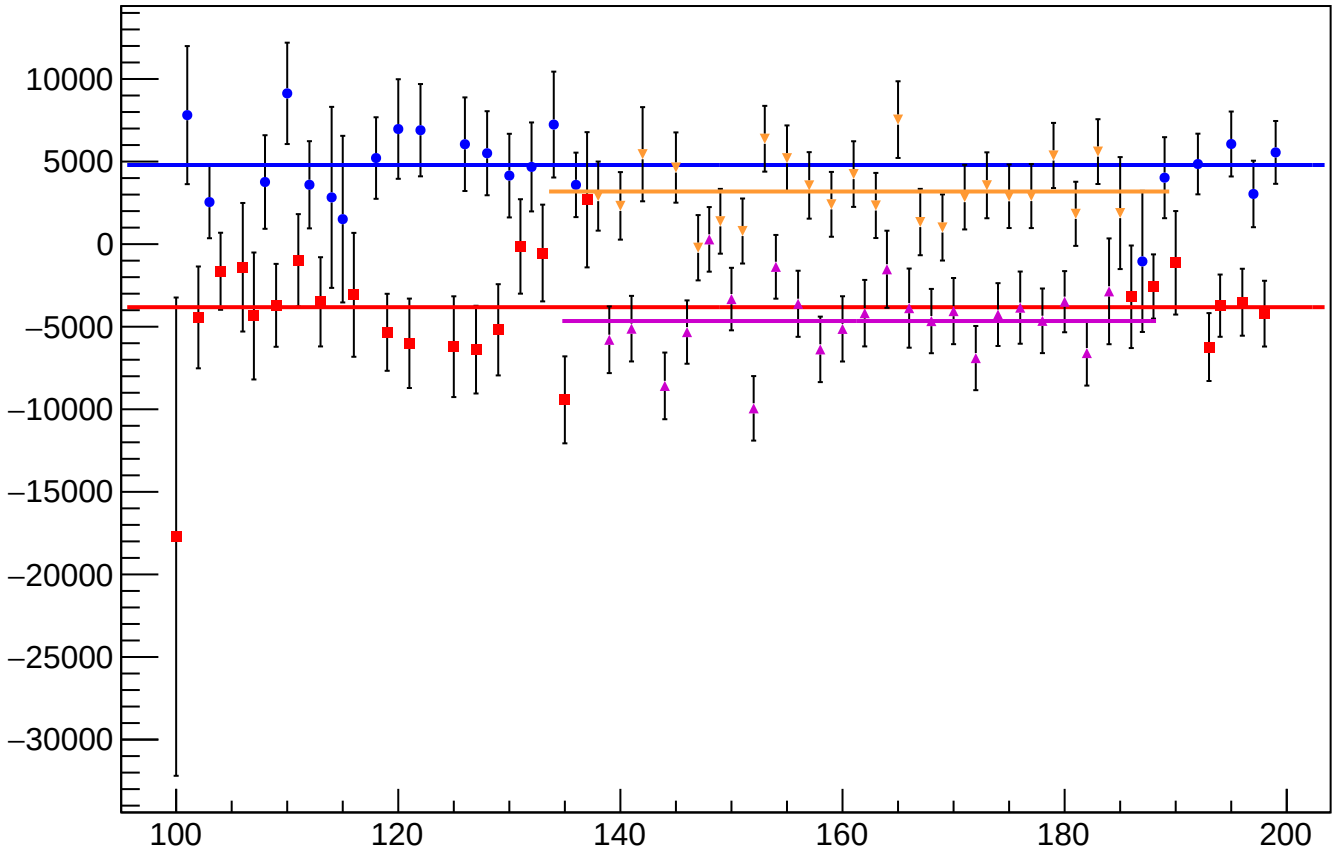
Right Out: 4967.050+/-1.092 χ^2/NDF: 3521507.7/24

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5700.921+/-0.768 χ^2/NDF: 4439838.8/45

All: 5648.387+/-0.538 χ^2/NDF: 9845157.7/93

- sign 5597.895+/-0.753 χ^2/NDF: 5396149.0/47



Right In: 4792.144+/-546.693 χ^2/NDF: 10.2/21

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3817.328+/-530.788 χ^2/NDF: 18.8/24

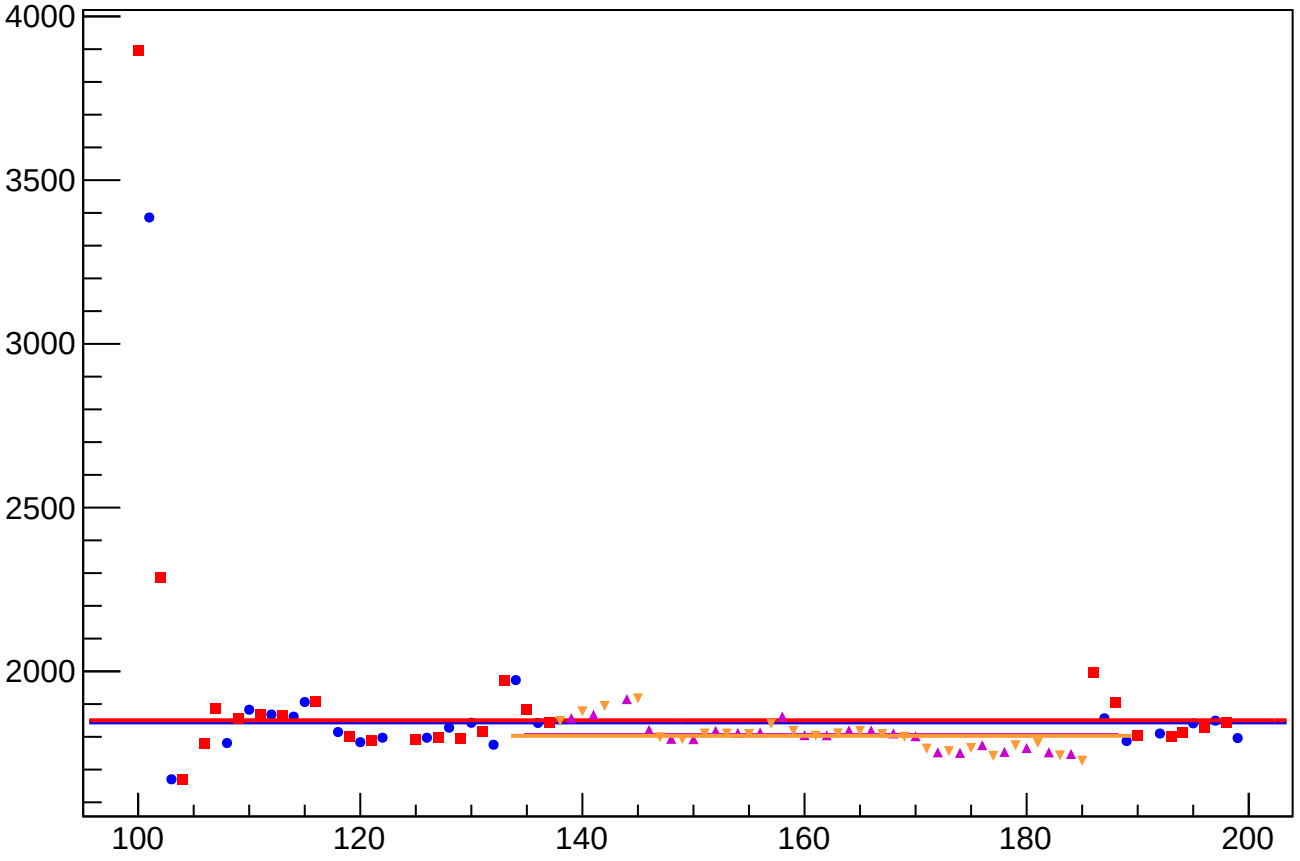
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3780.327+/-332.369 χ^2/NDF: 35.5/45

All: -302.191+/-234.241 χ^2/NDF: 383.3/93

- sign -4331.006+/-330.176 χ^2/NDF: 48.0/47

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1844.086+/-0.387 χ^2/NDF: 296377.2/21

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

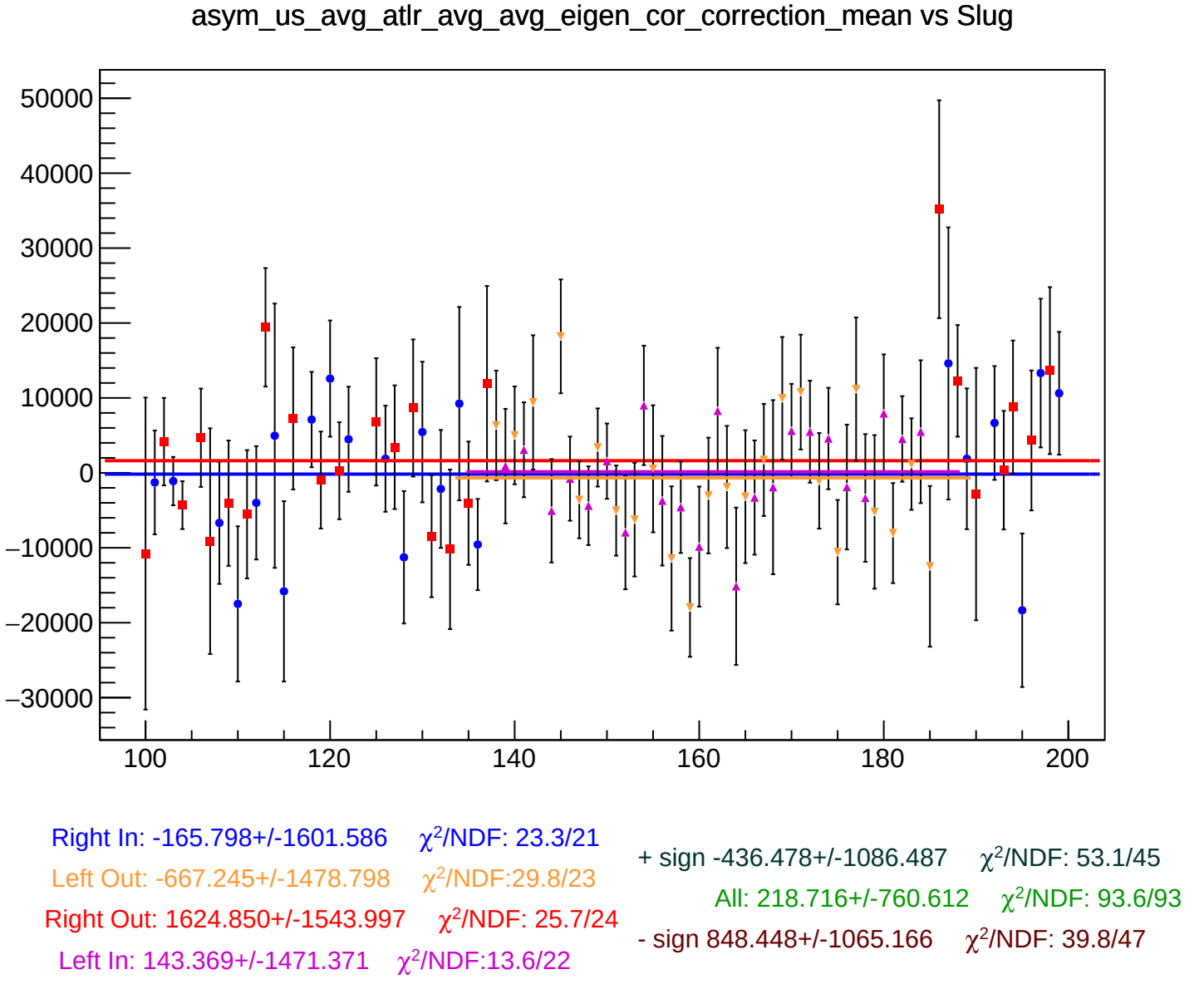
Right Out: 1850.497+/-0.375 χ^2/NDF: 110397.3/24

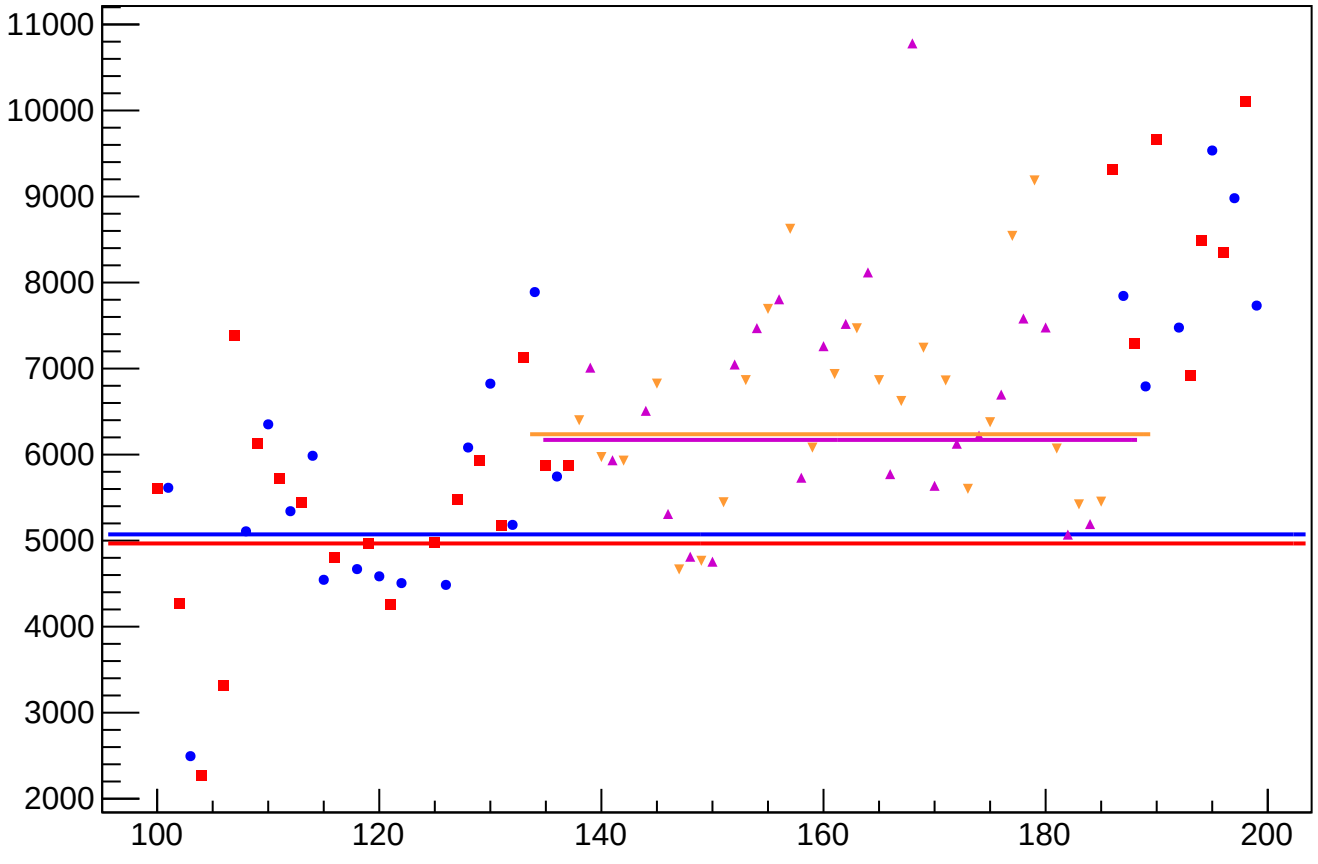
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.258+/-0.235 χ^2/NDF: 324099.4/45

All: 1820.637+/-0.166 χ^2/NDF: 462820.5/93

- sign 1822.981+/-0.233 χ^2/NDF: 138517.7/47


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -165.798+/-1601.586 χ²/NDF: 23.3/21
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1624.850+/-1543.997 χ²/NDF: 25.7/24
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -436.478+/-1086.487 χ²/NDF: 53.1/45
All: 218.716+/-760.612 χ²/NDF: 93.6/93
- sign 848.448+/-1065.166 χ²/NDF: 39.8/47



Right In: 5072.550+/-1.132 χ^2/NDF: 2801838.5/21

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4967.050+/-1.092 χ^2/NDF: 3521507.7/24

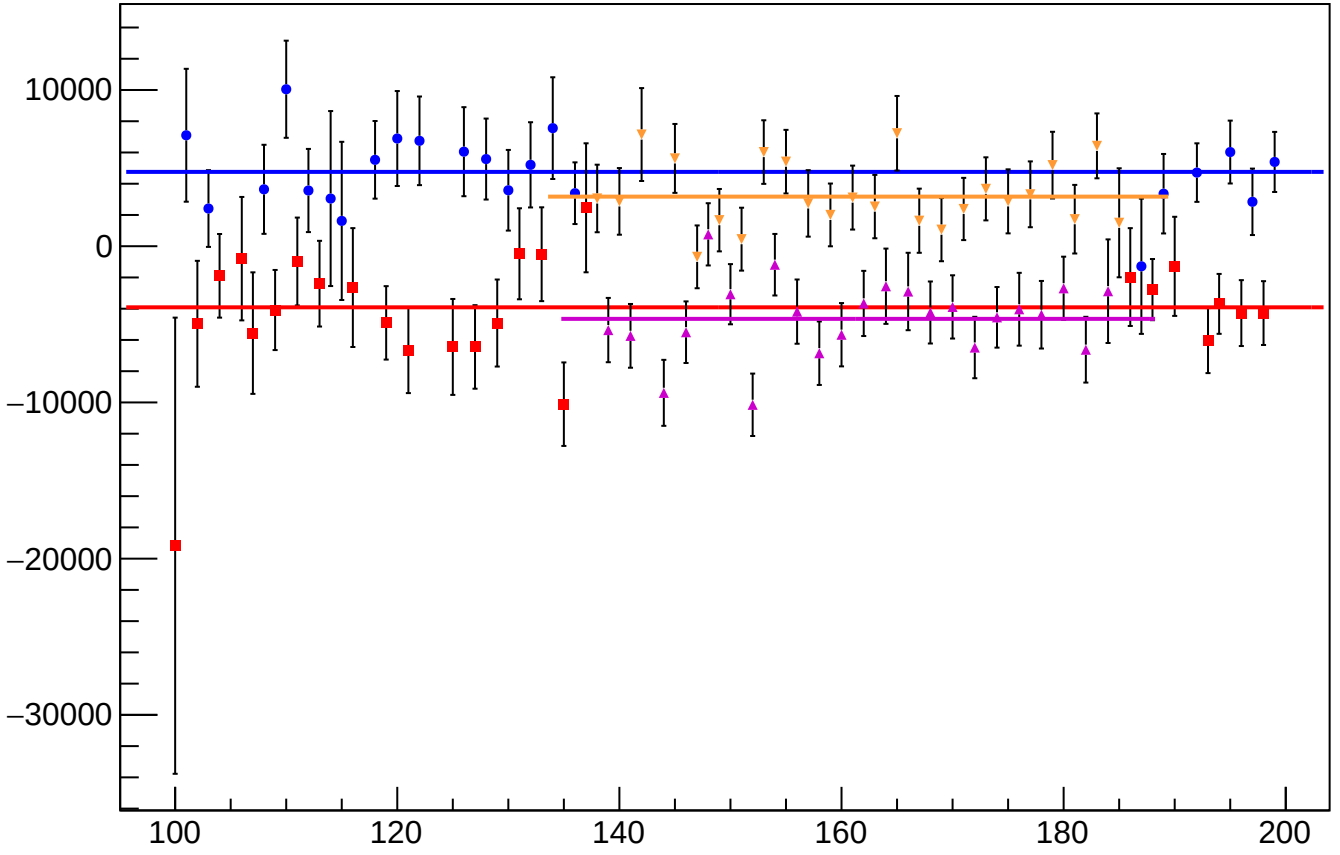
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5700.921+/-0.768 χ^2/NDF: 4439838.8/45

All: 5648.387+/-0.538 χ^2/NDF: 9845157.7/93

- sign 5597.895+/-0.753 χ^2/NDF: 5396149.0/47

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4757.907+/-559.685 χ^2/NDF: 11.4/21

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3911.400+/-545.221 χ^2/NDF: 19.9/24

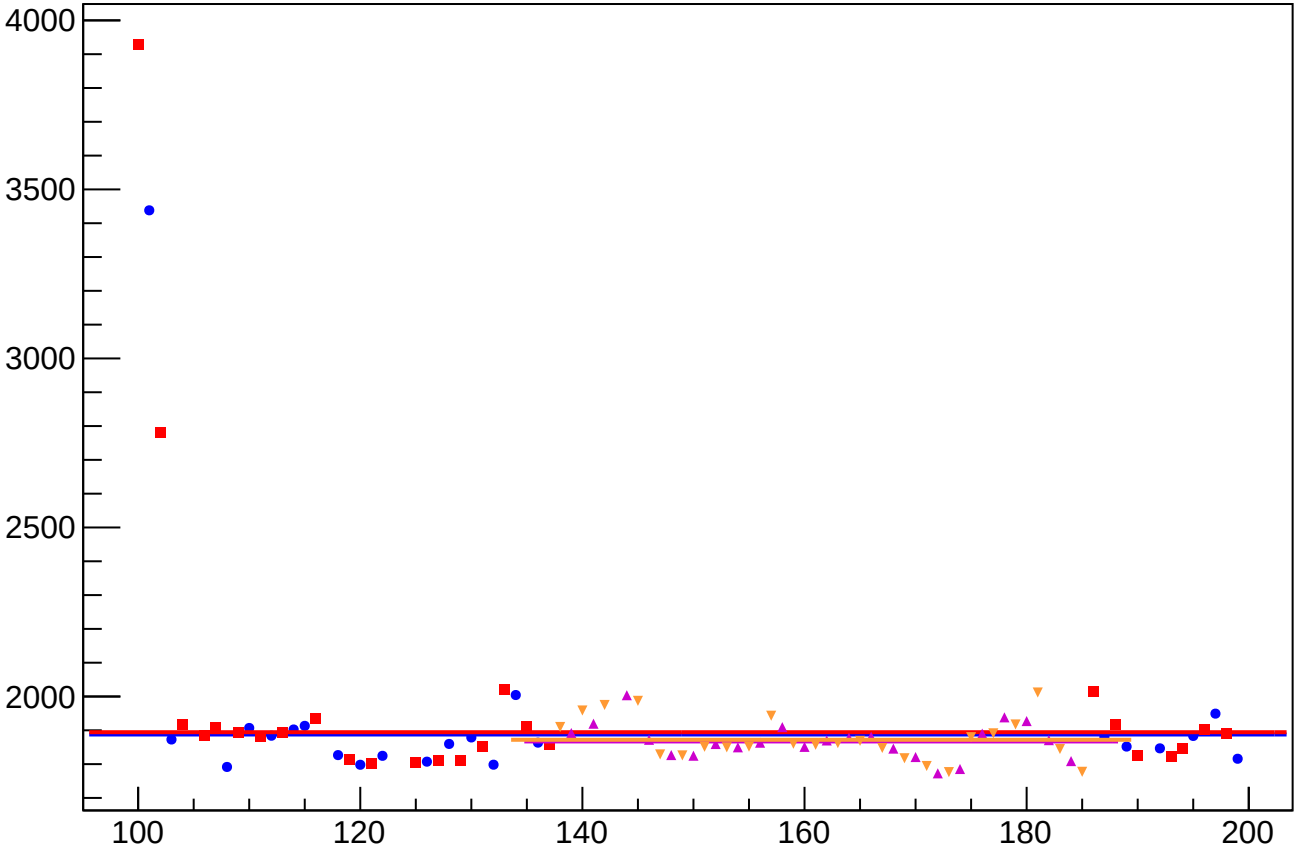
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3770.507+/-343.370 χ^2/NDF: 37.9/45

All: -328.609+/-241.816 χ^2/NDF: 372.2/93

- sign -4362.030+/-340.607 χ^2/NDF: 51.6/47

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1887.658+/-0.396 χ^2/NDF: 284890.5/21

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

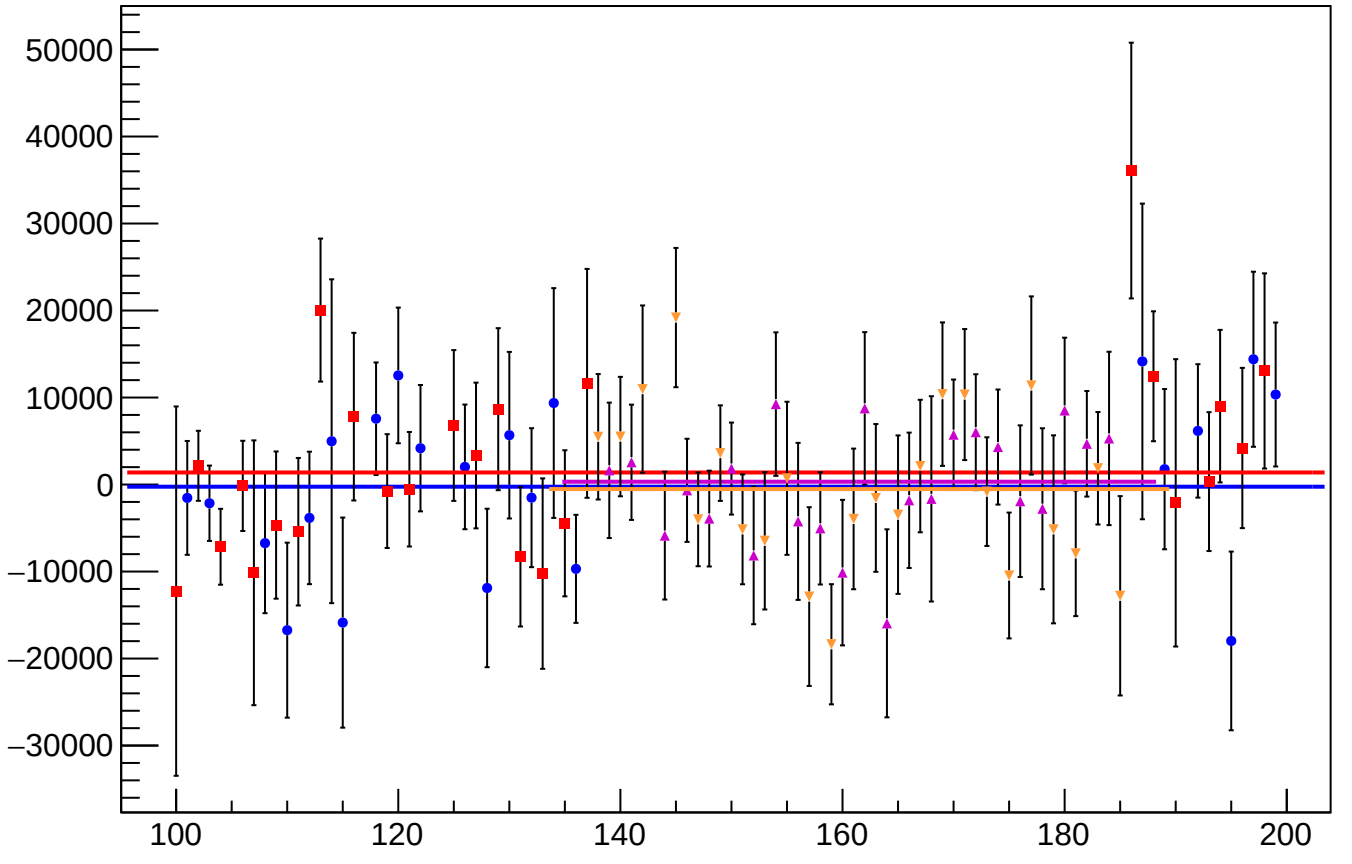
Right Out: 1894.405+/-0.385 χ^2/NDF: 158381.7/24

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1877.881+/-0.243 χ^2/NDF: 323024.1/45

All: 1877.815+/-0.171 χ^2/NDF: 511718.1/93

- sign 1877.751+/-0.241 χ^2/NDF: 188693.9/47



Right In: -248.858+/-1704.993 χ^2/NDF: 23.2/21

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

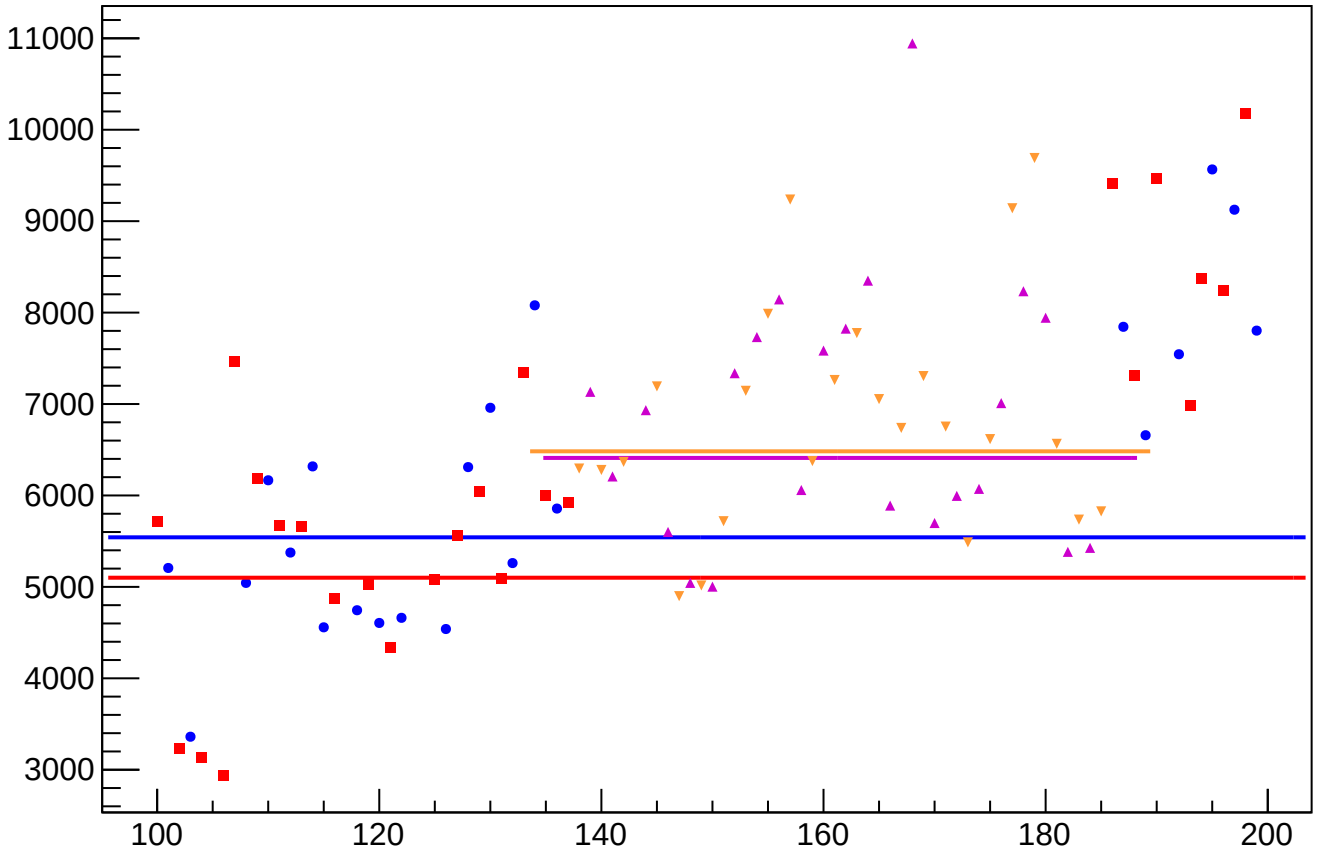
Right Out: 1386.323+/-1551.178 χ^2/NDF: 26.4/24

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -398.605+/-1141.520 χ^2/NDF: 52.4/45

All: 254.014+/-787.785 χ^2/NDF: 93.0/93

- sign 847.481+/-1088.560 χ^2/NDF: 40.0/47



Right In: 5542.093+/-1.206 χ^2/NDF: 1721425.0/21

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

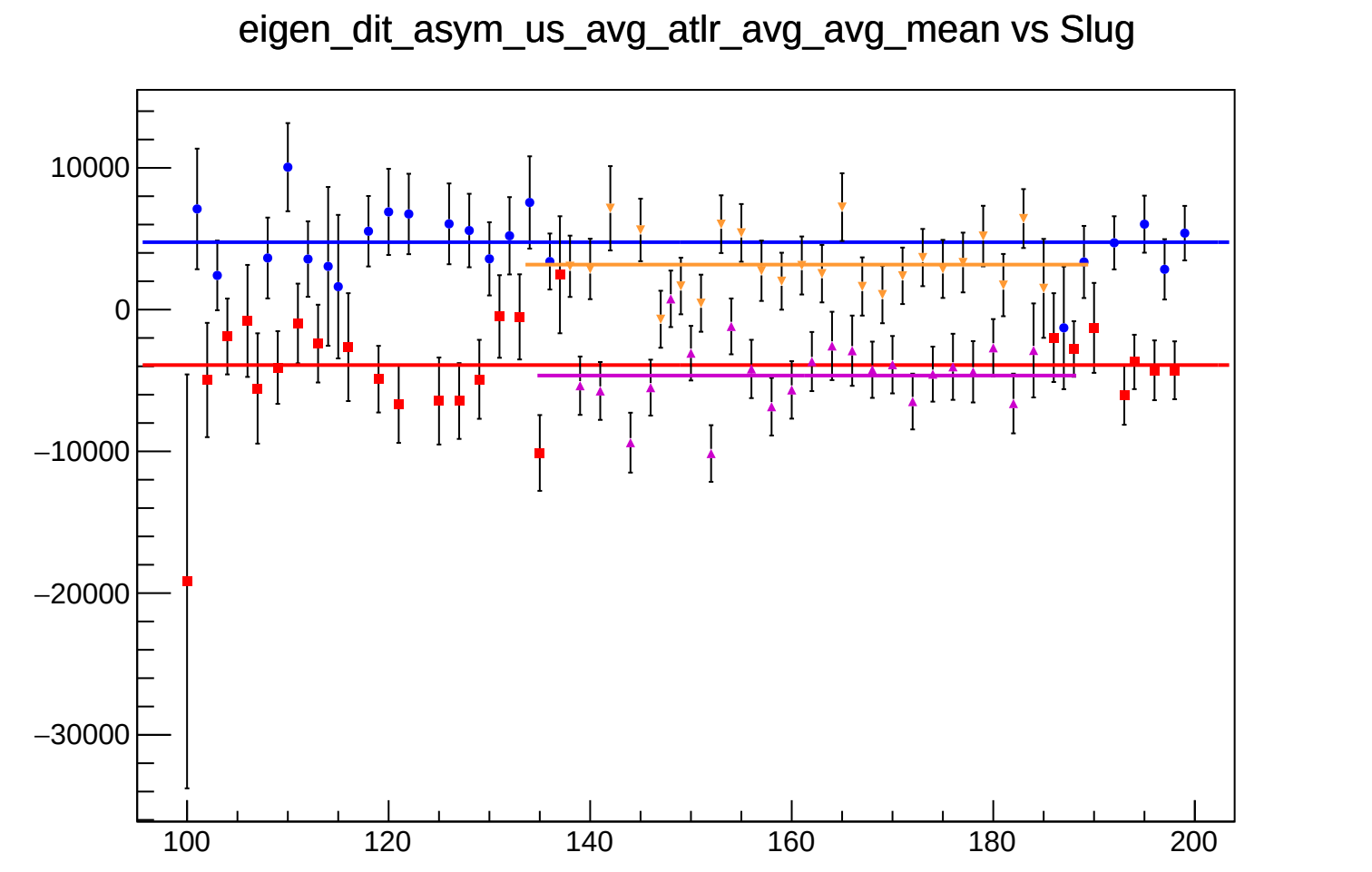
Right Out: 5100.333+/-1.097 χ^2/NDF: 2976717.9/24

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6061.088+/-0.807 χ^2/NDF: 3131878.6/45

All: 5906.142+/-0.557 χ^2/NDF: 8122831.5/93

- sign 5765.239+/-0.770 χ^2/NDF: 4920594.6/47



Right In: 4757.904+/-559.685 χ^2/NDF: 11.4/21

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3911.397+/-545.221 χ^2/NDF: 19.9/24

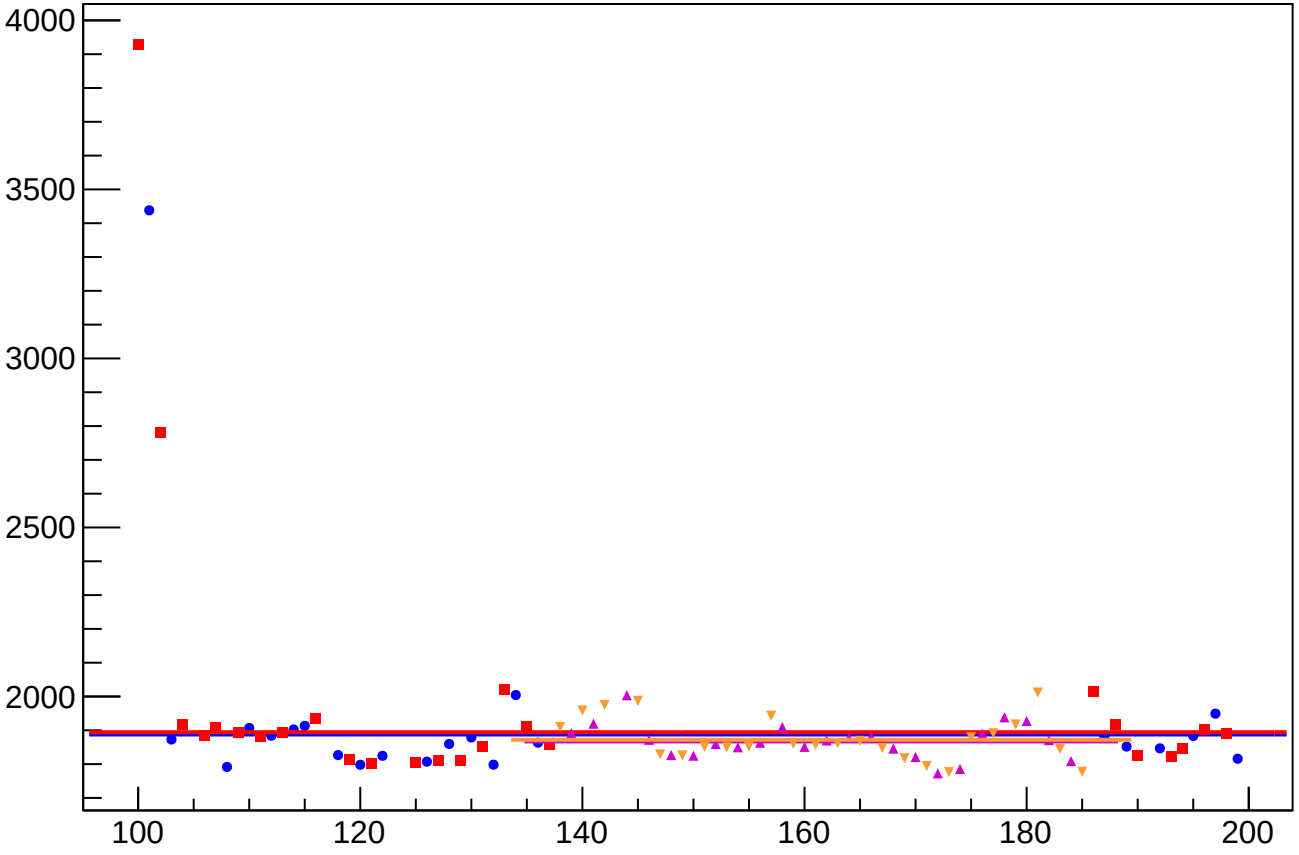
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3770.502+/-343.370 χ^2/NDF: 37.9/45

All: -328.611+/-241.816 χ^2/NDF: 372.2/93

- sign -4362.029+/-340.607 χ^2/NDF: 51.6/47

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1887.657+/-0.396 χ^2/NDF: 284890.8/21

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

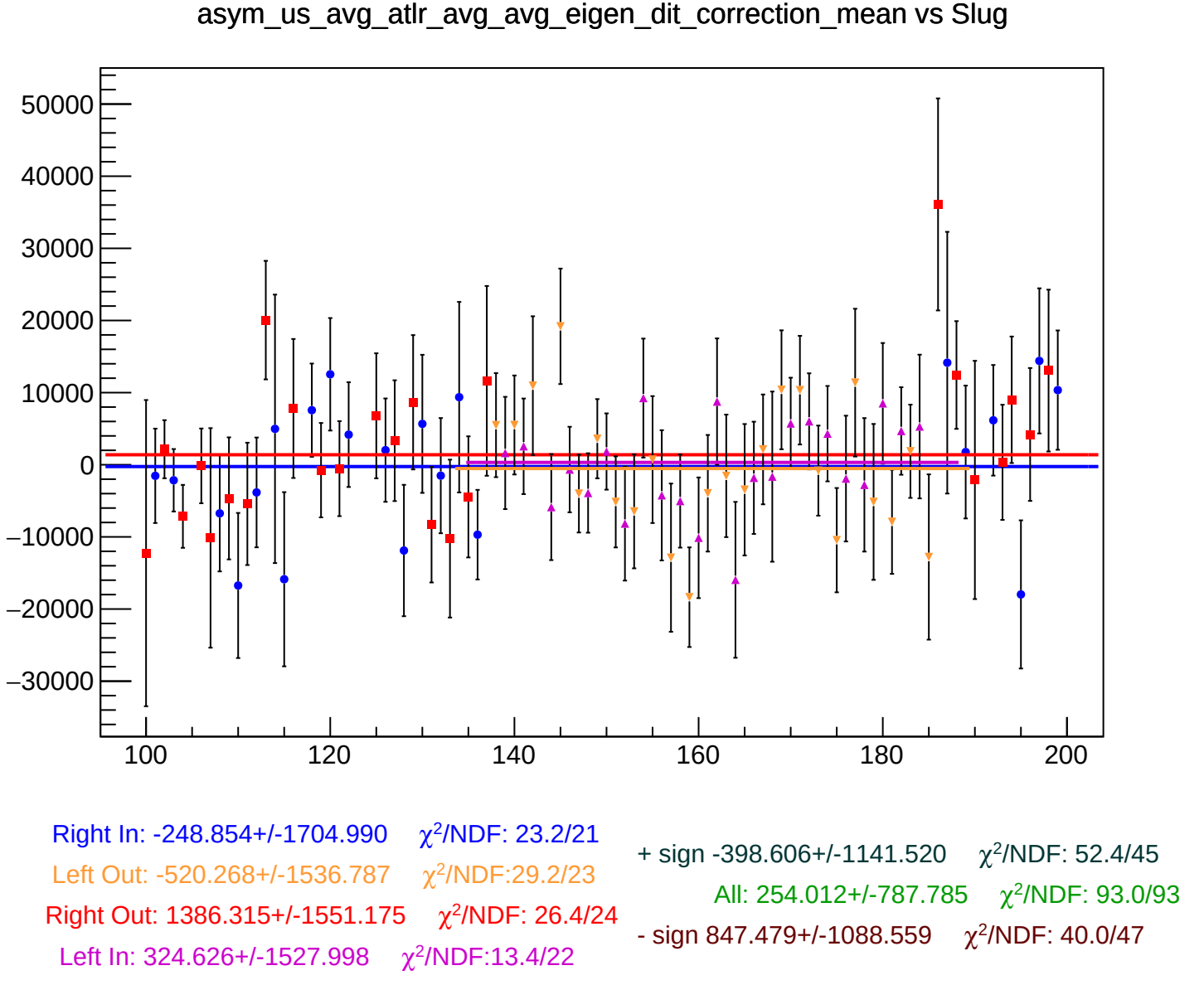
Right Out: 1894.404+/-0.385 χ^2/NDF: 158380.8/24

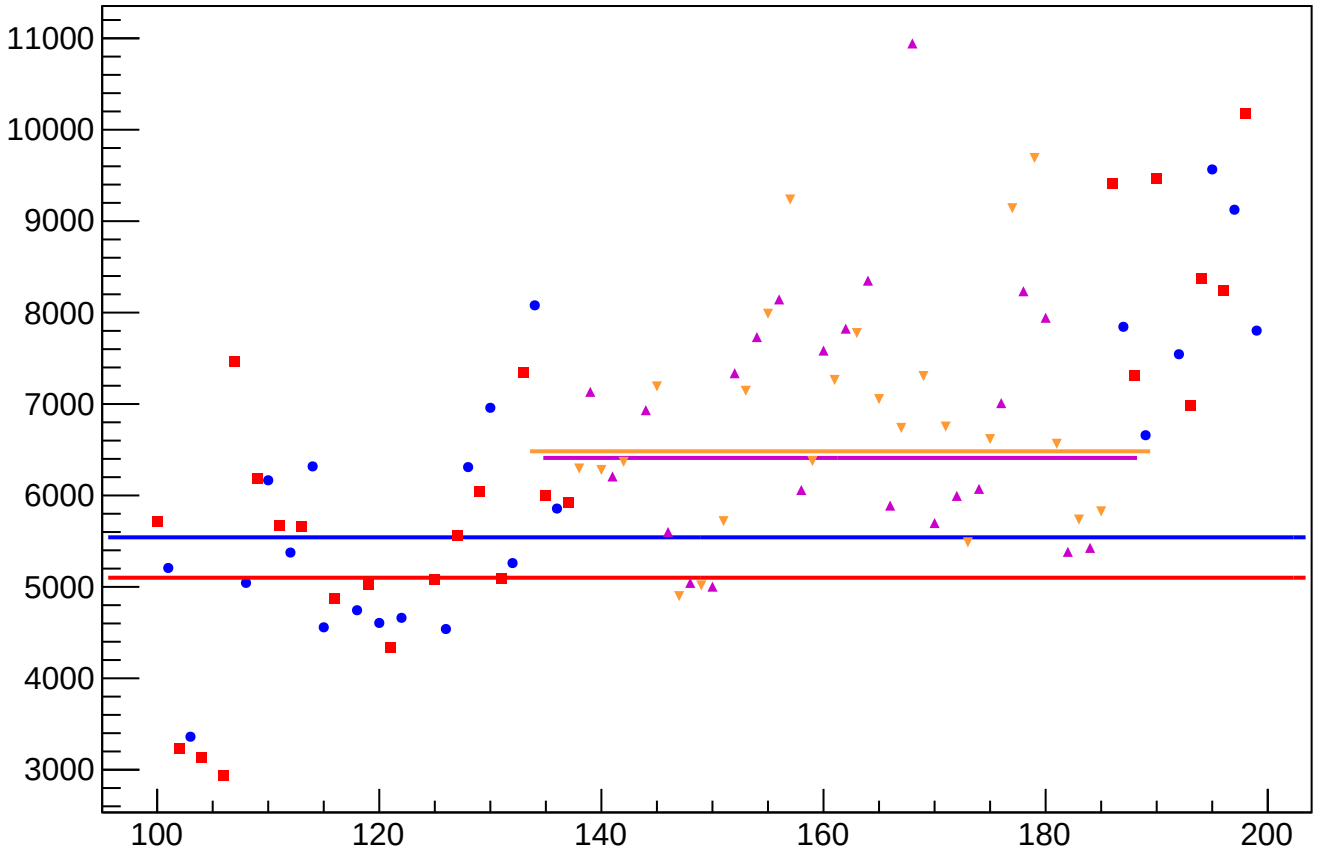
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1877.881+/-0.243 χ^2/NDF: 323025.1/45

All: 1877.816+/-0.171 χ^2/NDF: 511719.0/93

- 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: -248.854+/-1704.990 χ²/NDF: 23.2/21
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 -398.606+/-1141.520 χ²/NDF: 52.4/45
All: 254.012+/-787.785 χ²/NDF: 93.0/93
- sign 847.479+/-1088.559 χ²/NDF: 40.0/47



Right In: 5542.081+/-1.206 χ^2/NDF: 1721442.1/21

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5100.322+/-1.097 χ^2/NDF: 2976733.1/24

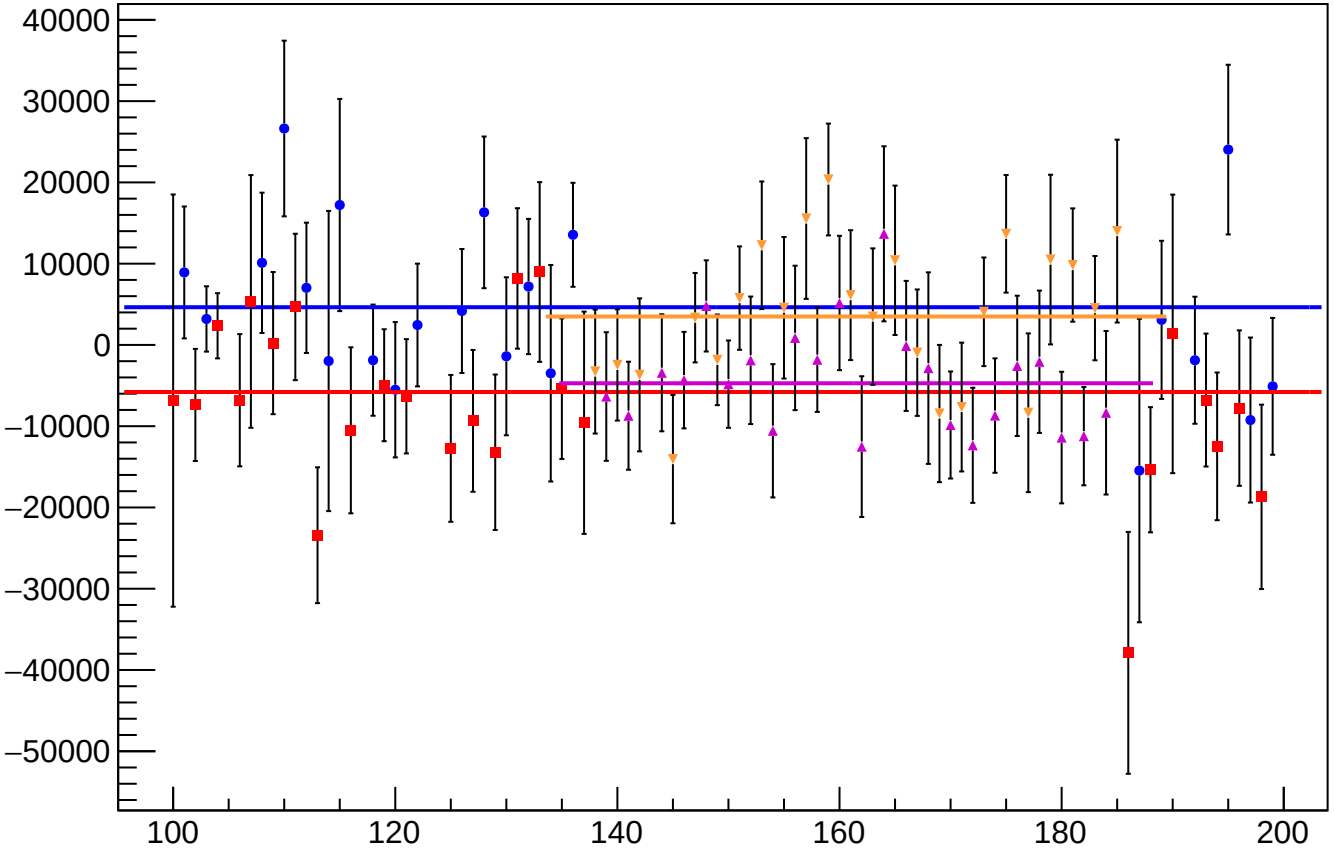
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6061.087+/-0.807 χ^2/NDF: 3131914.6/45

All: 5906.140+/-0.557 χ^2/NDF: 8122910.8/93

- sign 5765.236+/-0.770 χ^2/NDF: 4920637.2/47

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4641.150+/-1758.677 χ^2/NDF: 21.5/21

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5792.658+/-1710.859 χ^2/NDF: 25.3/24

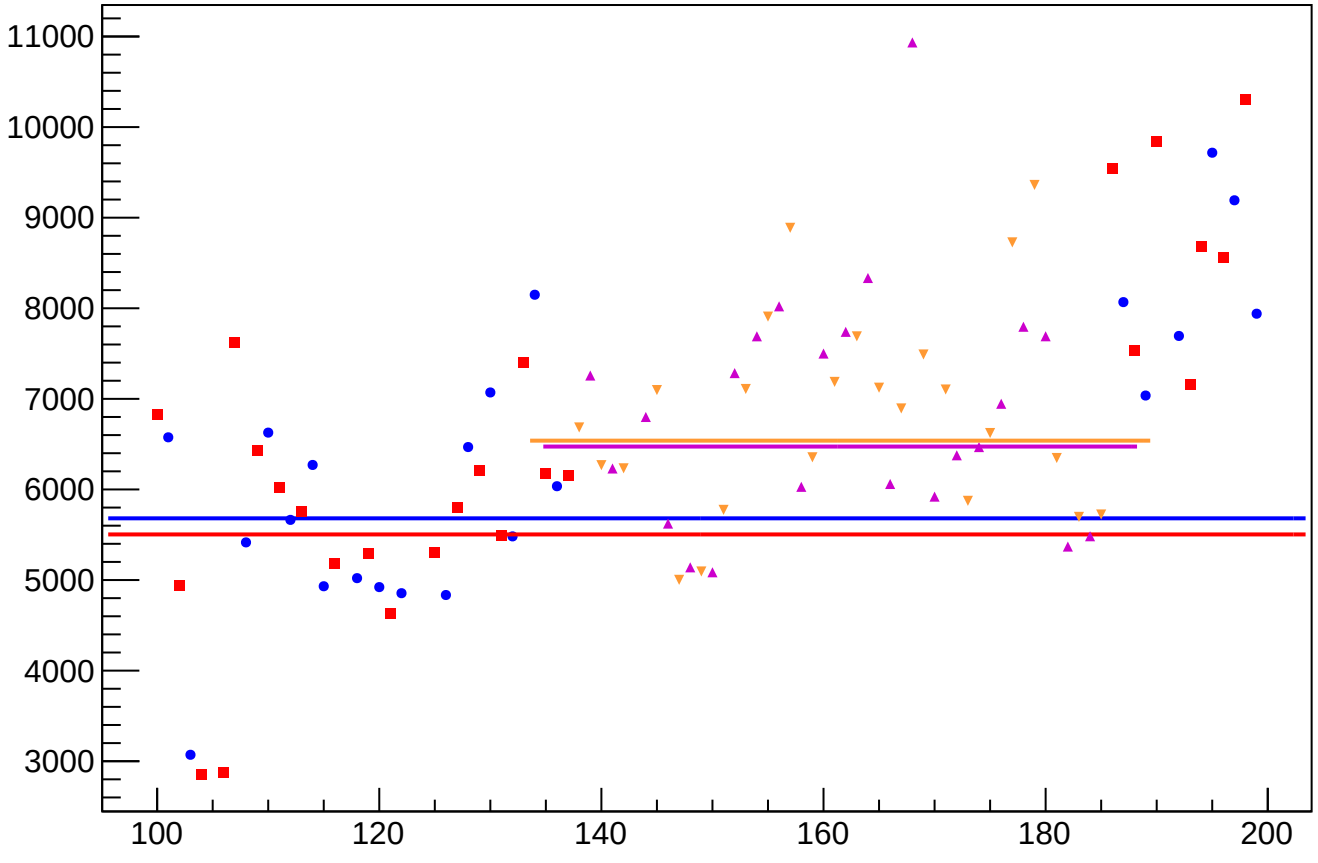
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 3995.778+/-1161.070 χ^2/NDF: 49.2/45

All: -668.945+/-814.992 χ^2/NDF: 120.8/93

- sign -5199.567+/-1144.259 χ^2/NDF: 39.8/47

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5681.191+/-1.244 χ^2/NDF: 1995028.5/21

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

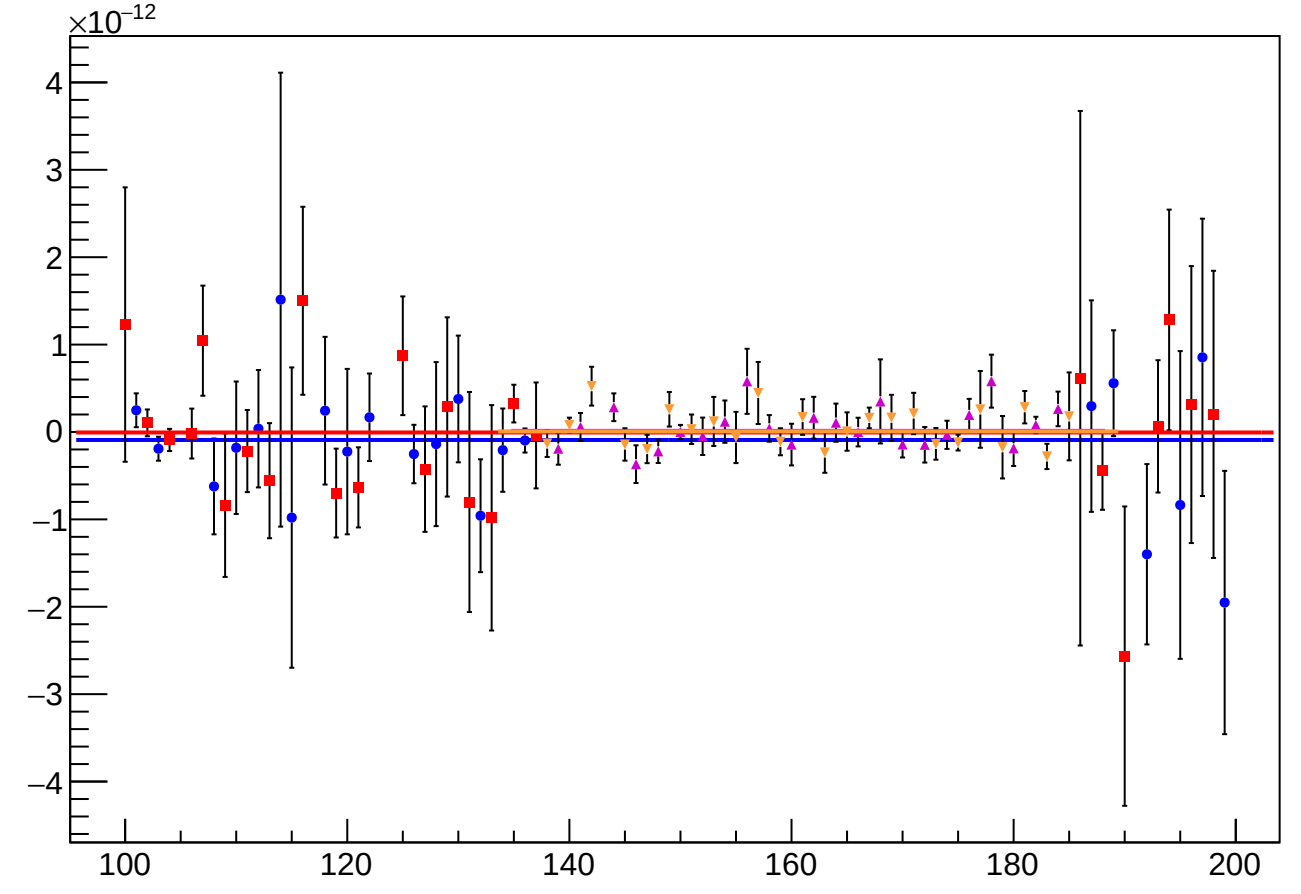
Right Out: 5503.450+/-1.190 χ^2/NDF: 2751510.8/24

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6164.946+/-0.821 χ^2/NDF: 3183888.5/45

All: 6096.903+/-0.574 χ^2/NDF: 7382318.3/93

- sign 6031.776+/-0.803 χ^2/NDF: 4184986.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

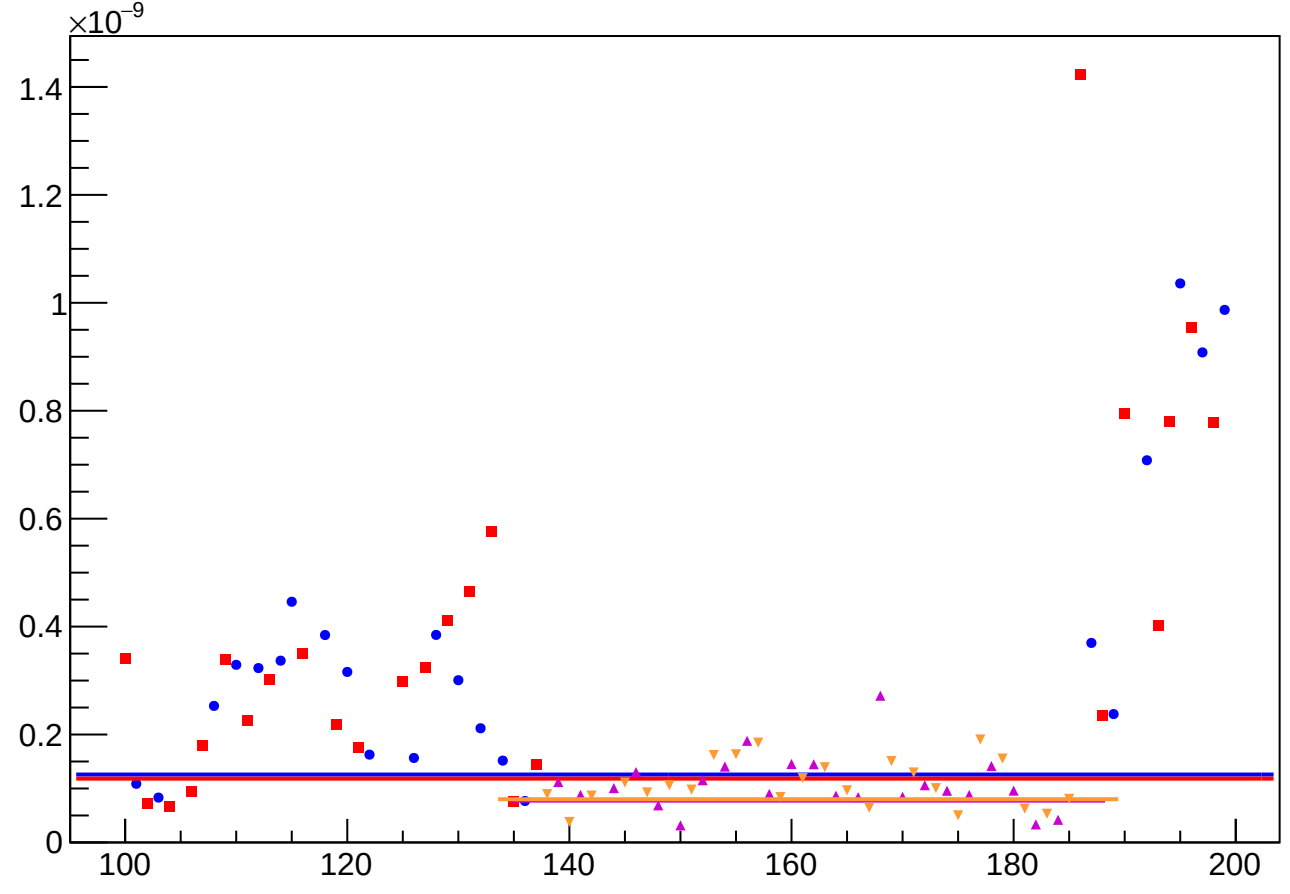
Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/24

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.6/45

All: -0.000+/-0.000 χ^2/NDF: 87.6/93

- sign 0.000+/-0.000 χ^2/NDF: 45.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 4033527.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

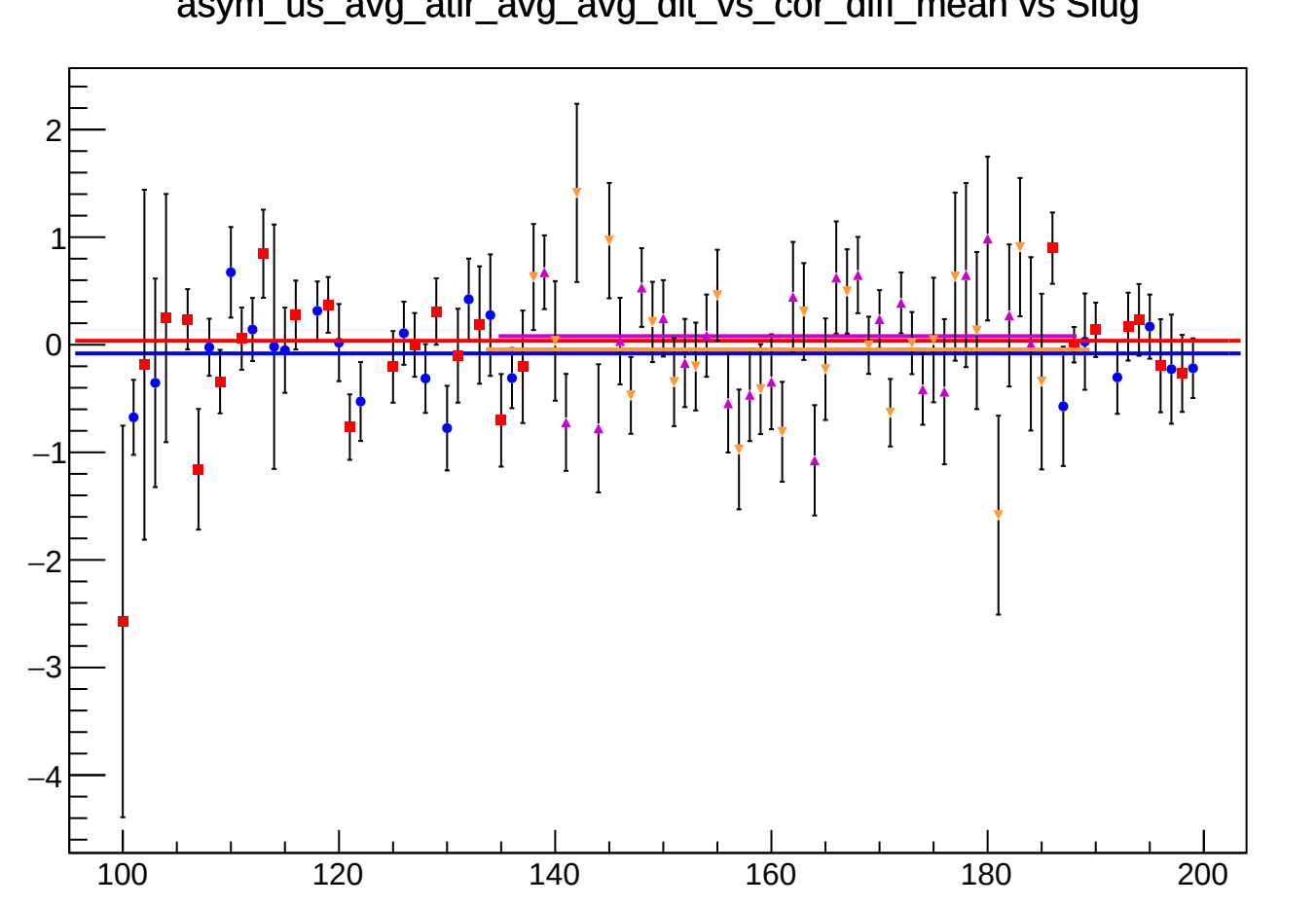
Right Out: 0.000+/-0.000 χ^2/NDF: 4675521.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6777512.5/45

All: 0.000+/-0.000 χ^2/NDF: 14592652.1/93

- sign 0.000+/-0.000 χ^2/NDF: 7803199.5/47



Right In: -0.080+/-0.076 χ^2/NDF: 19.7/21

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

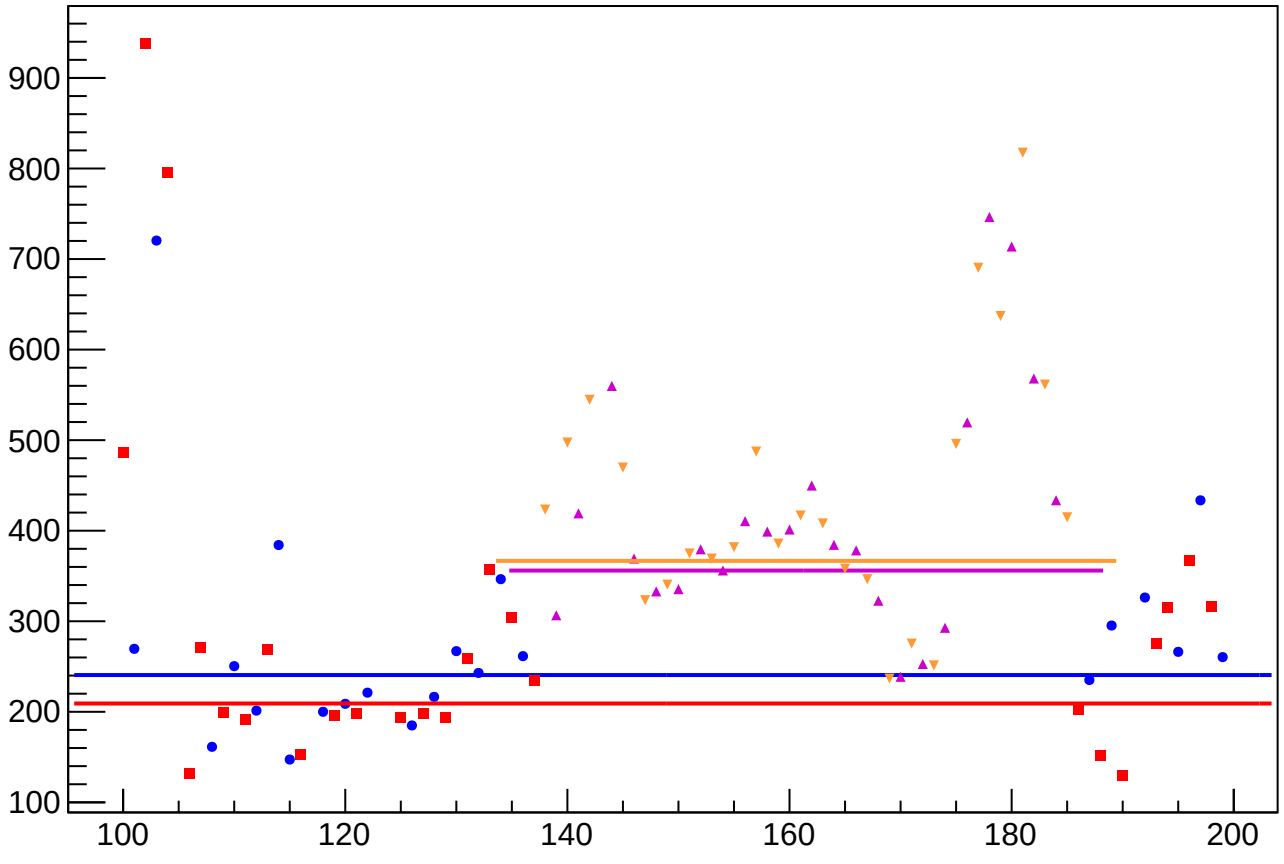
Right Out: 0.037+/-0.067 χ^2/NDF: 35.0/24

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.058 χ^2/NDF: 50.7/45

All: -0.001+/-0.039 χ^2/NDF: 118.5/93

- sign 0.053+/-0.053 χ^2/NDF: 65.5/47



Right In: 240.612+/-0.054 χ^2/NDF: 1573455.6/21

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

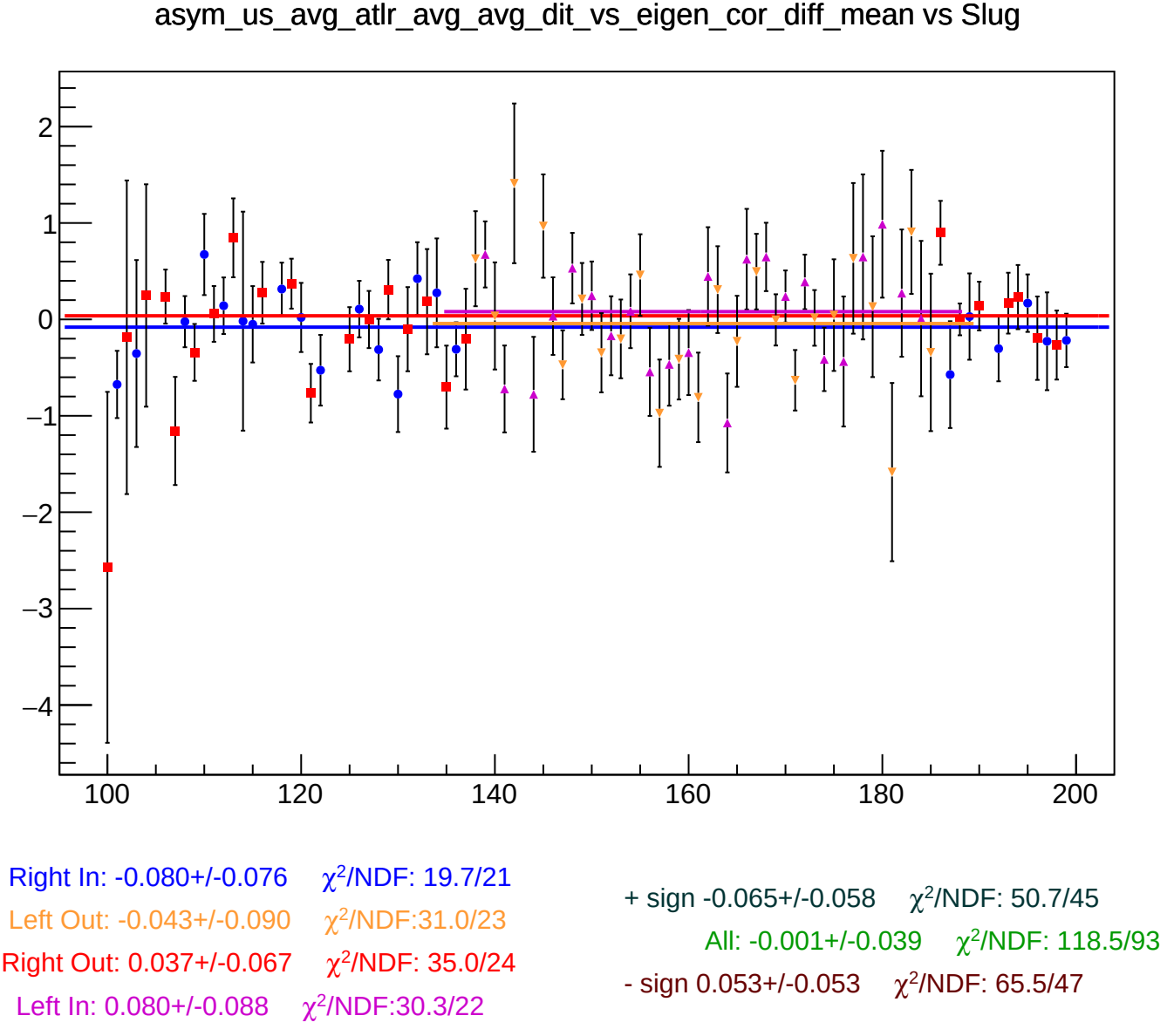
Right Out: 209.181+/-0.047 χ^2/NDF: 2723759.5/24

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.916+/-0.041 χ^2/NDF: 6687056.7/45

All: 276.559+/-0.028 χ^2/NDF: 15666196.0/93

- 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
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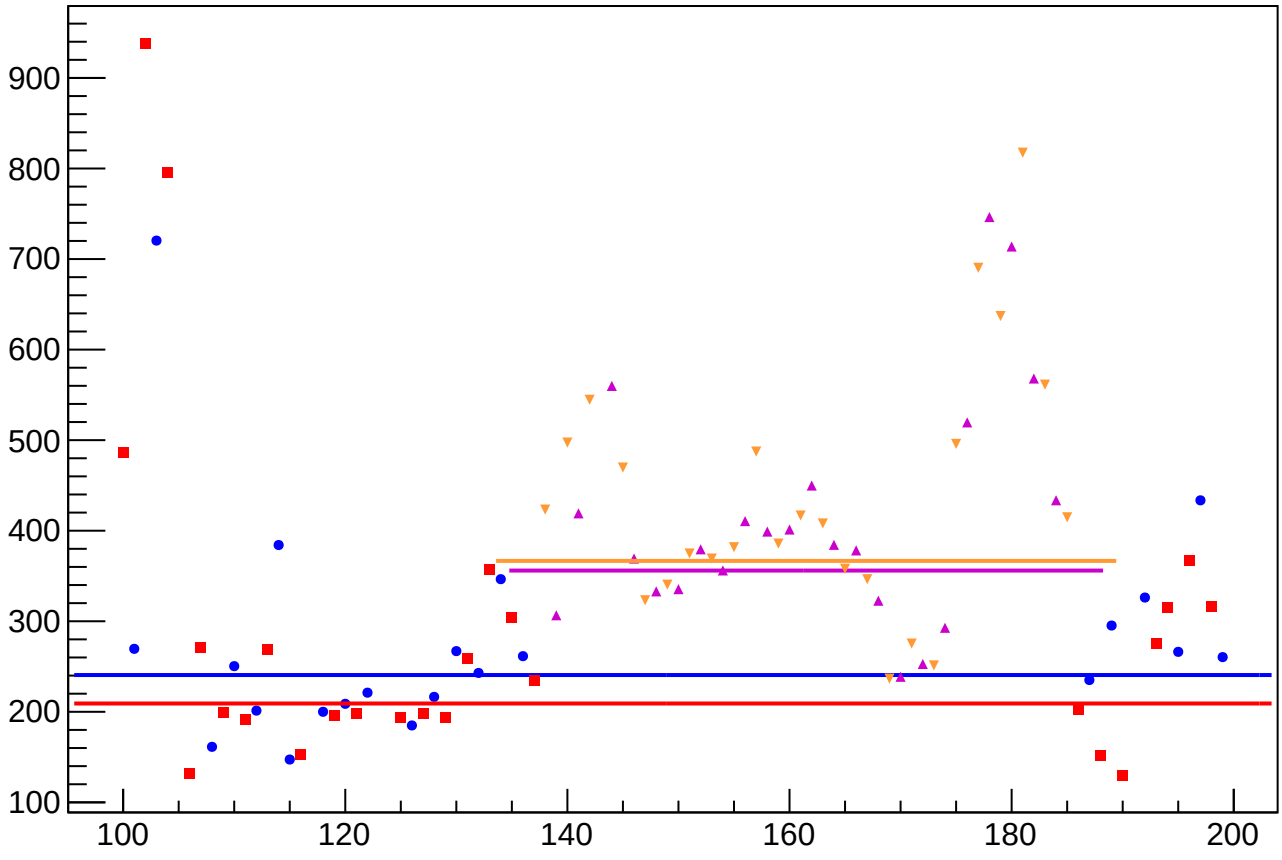
Right In: -0.080+/-0.076 χ²/NDF: 19.7/21
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.037+/-0.067 χ²/NDF: 35.0/24
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.065+/-0.058 χ²/NDF: 50.7/45
All: -0.001+/-0.039 χ²/NDF: 118.5/93
- sign 0.053+/-0.053 χ²/NDF: 65.5/47



Right In: 240.612+/-0.054 χ^2/NDF: 1573455.6/21

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

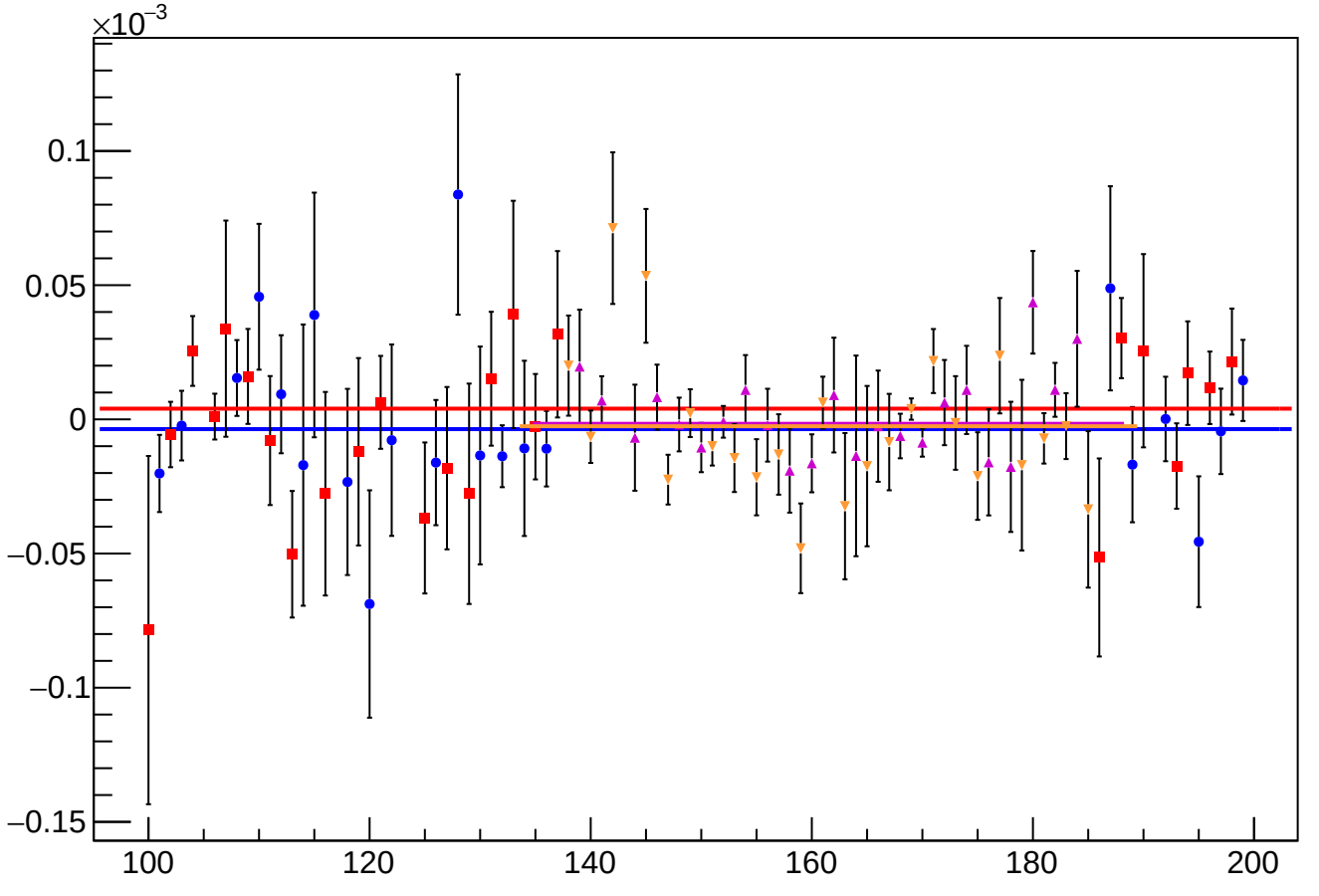
Right Out: 209.181+/-0.047 χ^2/NDF: 2723759.5/24

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.916+/-0.041 χ^2/NDF: 6687056.7/45

All: 276.559+/-0.028 χ^2/NDF: 15666196.0/93

- sign 262.962+/-0.038 χ^2/NDF: 8690490.7/47



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

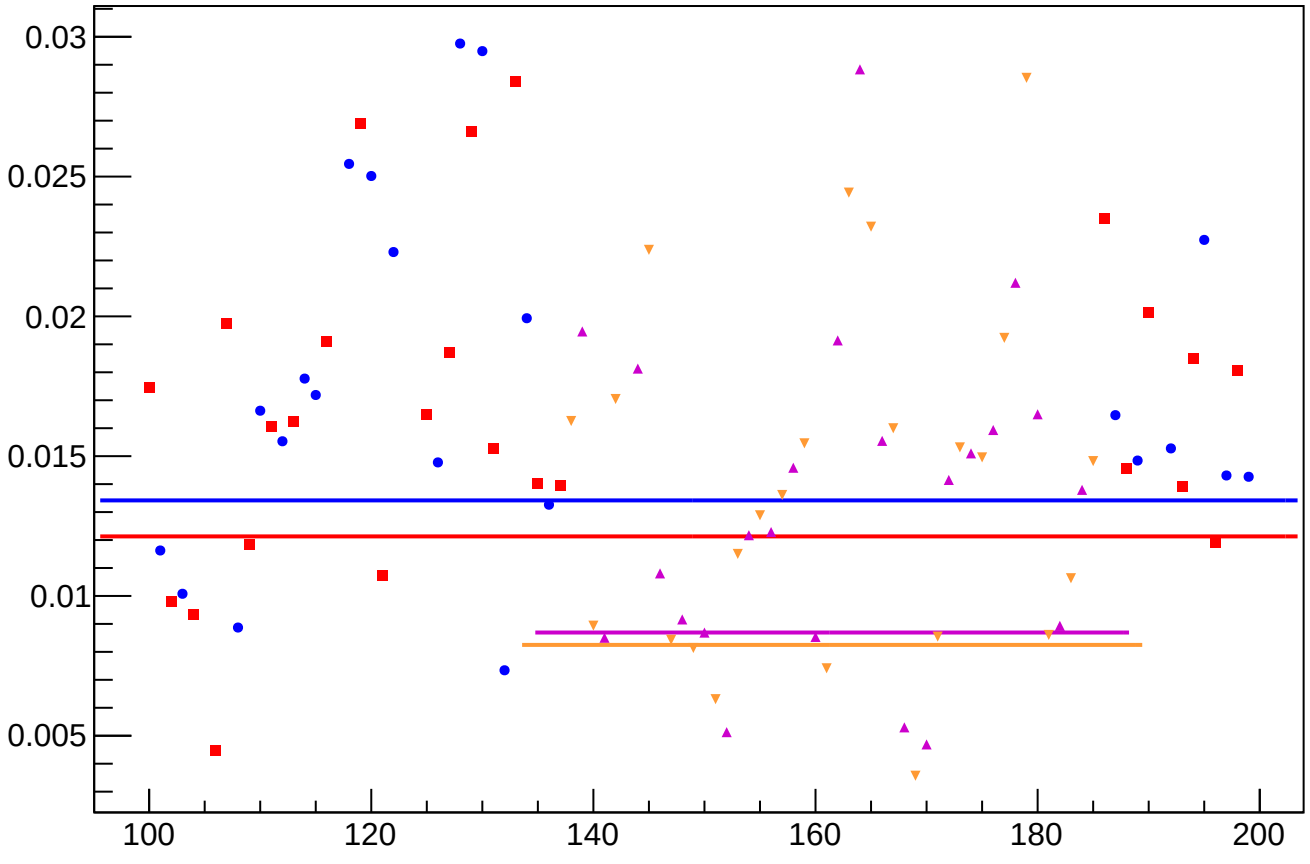
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/24

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.0/45

All: -0.000+/-0.000 χ^2/NDF: 115.9/93

- sign -0.000+/-0.000 χ^2/NDF: 49.0/47



Right In: 0.013+/-0.000 χ^2/NDF: 2535259.9/21

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

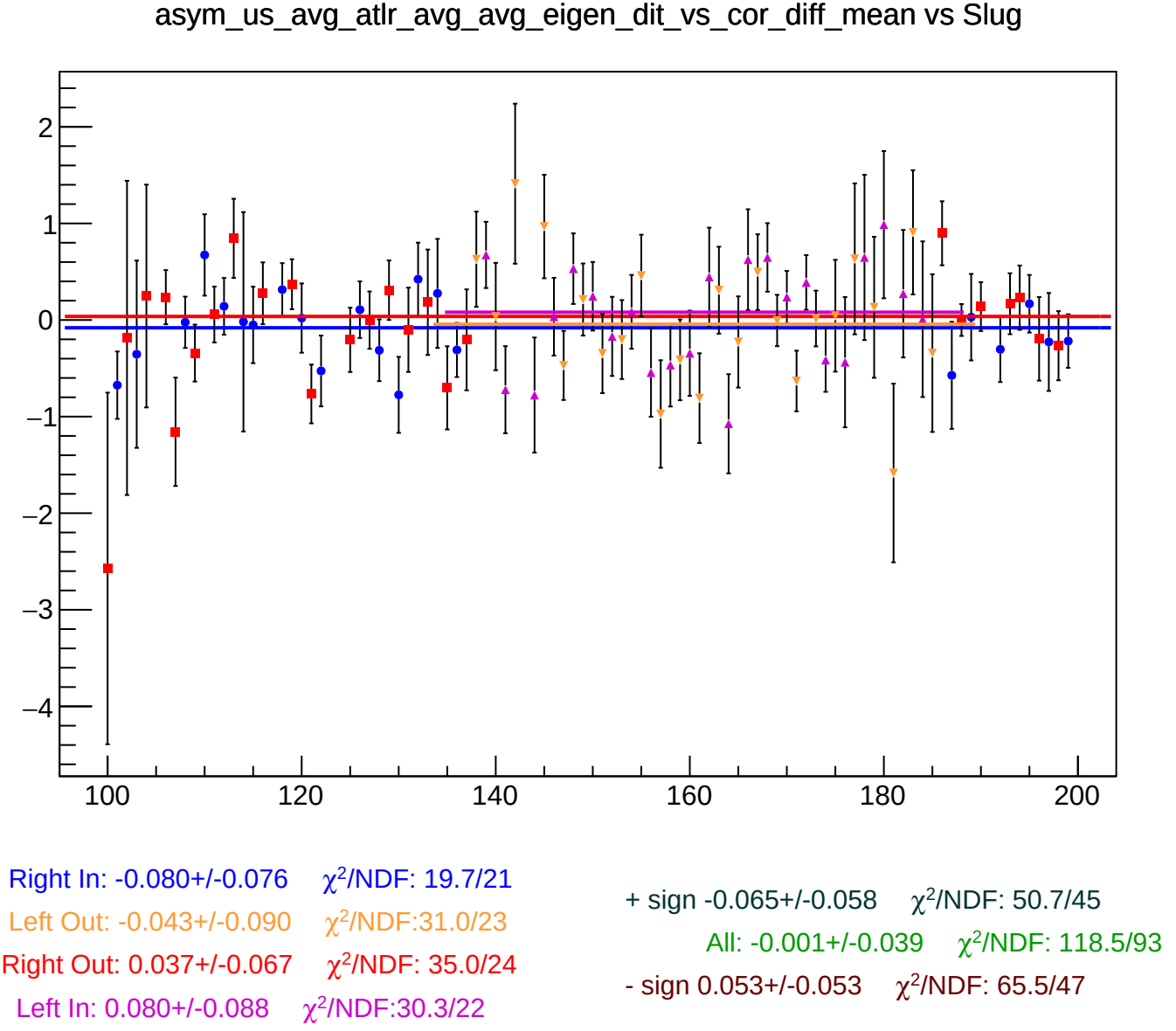
Right Out: 0.012+/-0.000 χ^2/NDF: 3923096.2/24

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 13724629.8/45

All: 0.010+/-0.000 χ^2/NDF: 25707499.8/93

- sign 0.010+/-0.000 χ^2/NDF: 11968835.8/47


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
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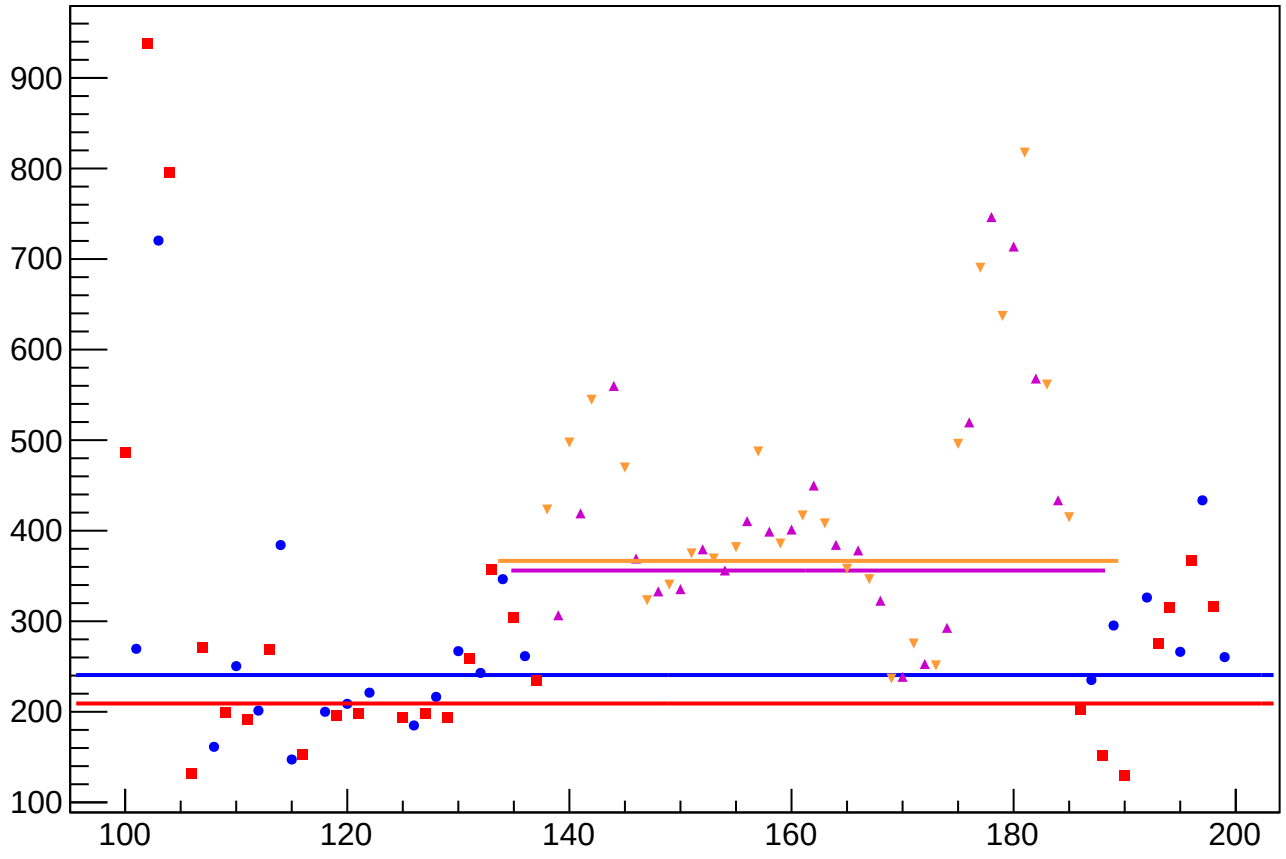
Right In: -0.080+/-0.076 χ²/NDF: 19.7/21
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.037+/-0.067 χ²/NDF: 35.0/24
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.065+/-0.058 χ²/NDF: 50.7/45
All: -0.001+/-0.039 χ²/NDF: 118.5/93
- sign 0.053+/-0.053 χ²/NDF: 65.5/47



Right In: 240.611+/-0.054 χ^2/NDF: 1573449.6/21

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

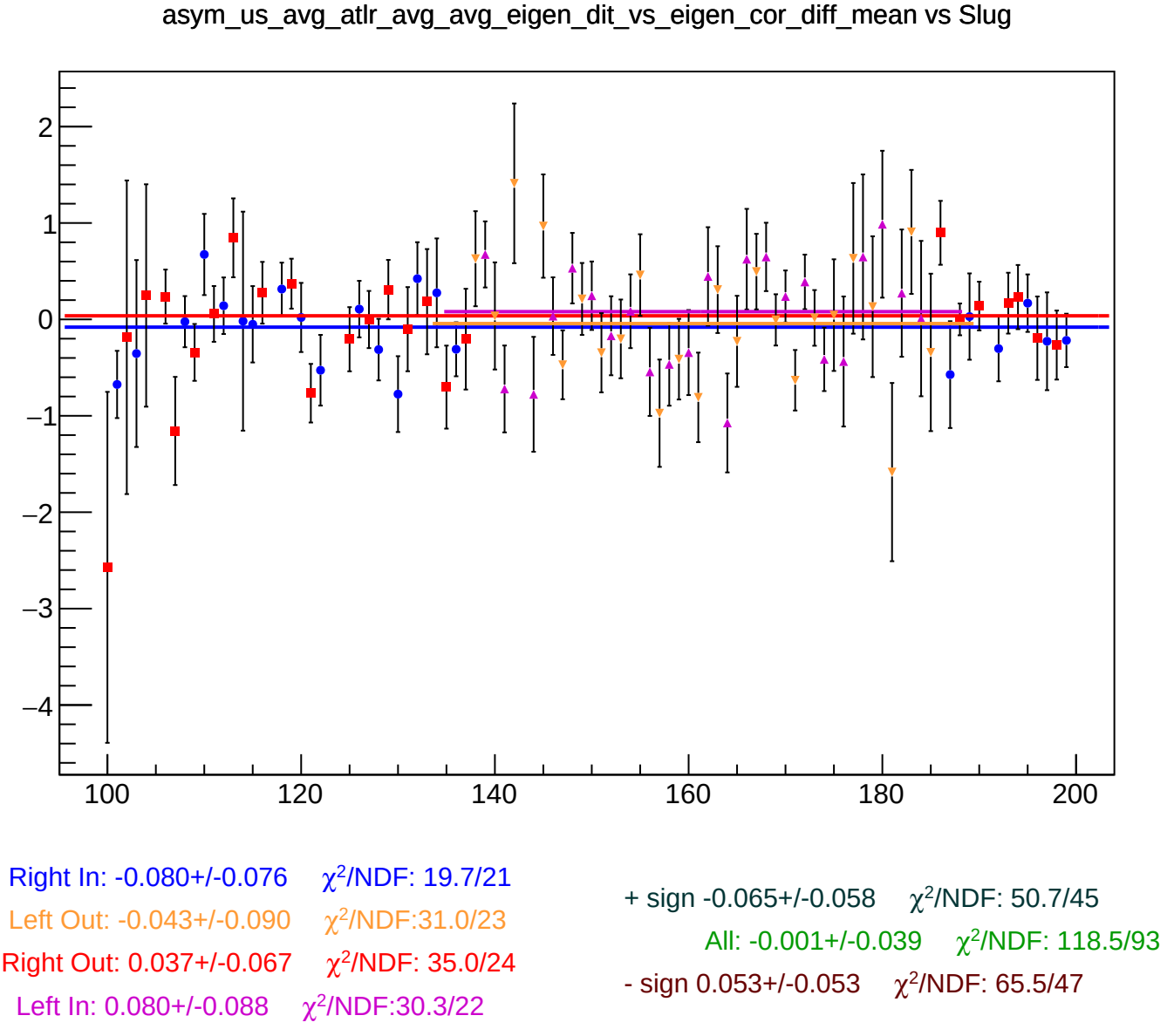
Right Out: 209.177+/-0.047 χ^2/NDF: 2723792.5/24

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.915+/-0.041 χ^2/NDF: 6687334.3/45

All: 276.556+/-0.028 χ^2/NDF: 15666933.9/93

- 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
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−1
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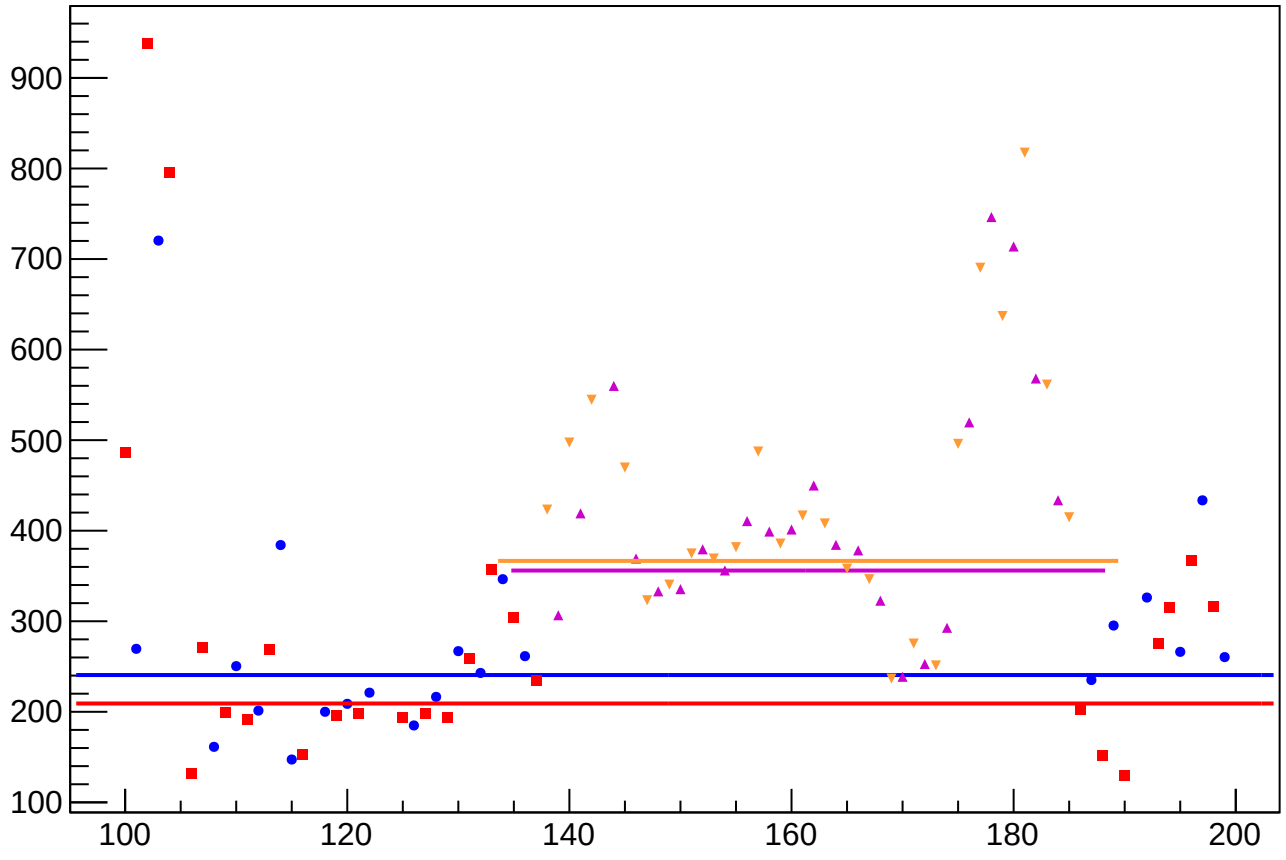
−3
−4
100
120
140
160
180
200
Right In: -0.080+/-0.076 χ²/NDF: 19.7/21
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.037+/-0.067 χ²/NDF: 35.0/24
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.065+/-0.058 χ²/NDF: 50.7/45
All: -0.001+/-0.039 χ²/NDF: 118.5/93
- sign 0.053+/-0.053 χ²/NDF: 65.5/47



Right In: 240.611+/-0.054 χ^2/NDF: 1573449.6/21

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

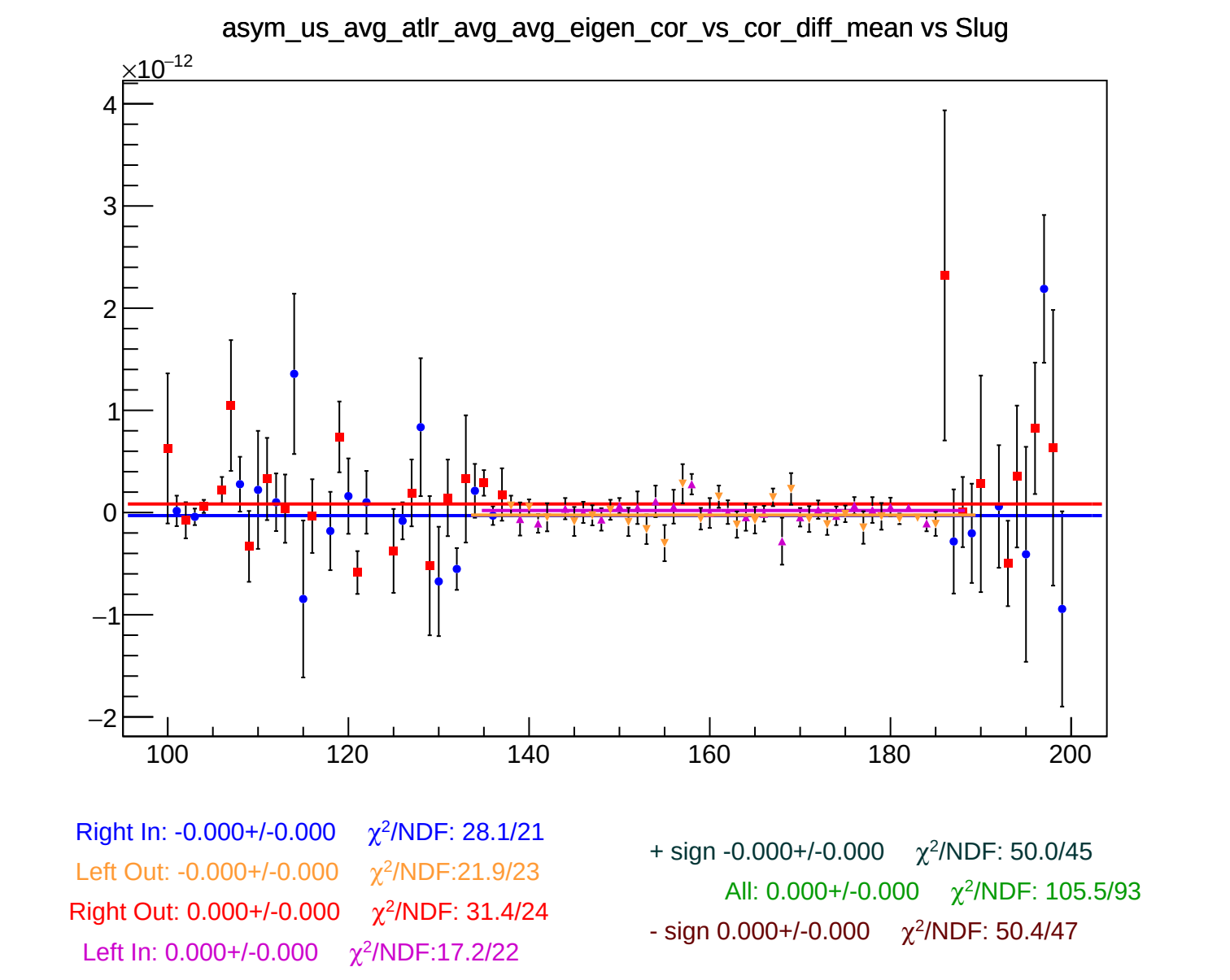
Right Out: 209.177+/-0.047 χ^2/NDF: 2723792.5/24

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.915+/-0.041 χ^2/NDF: 6687334.3/45

All: 276.556+/-0.028 χ^2/NDF: 15666933.9/93

- 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
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−1
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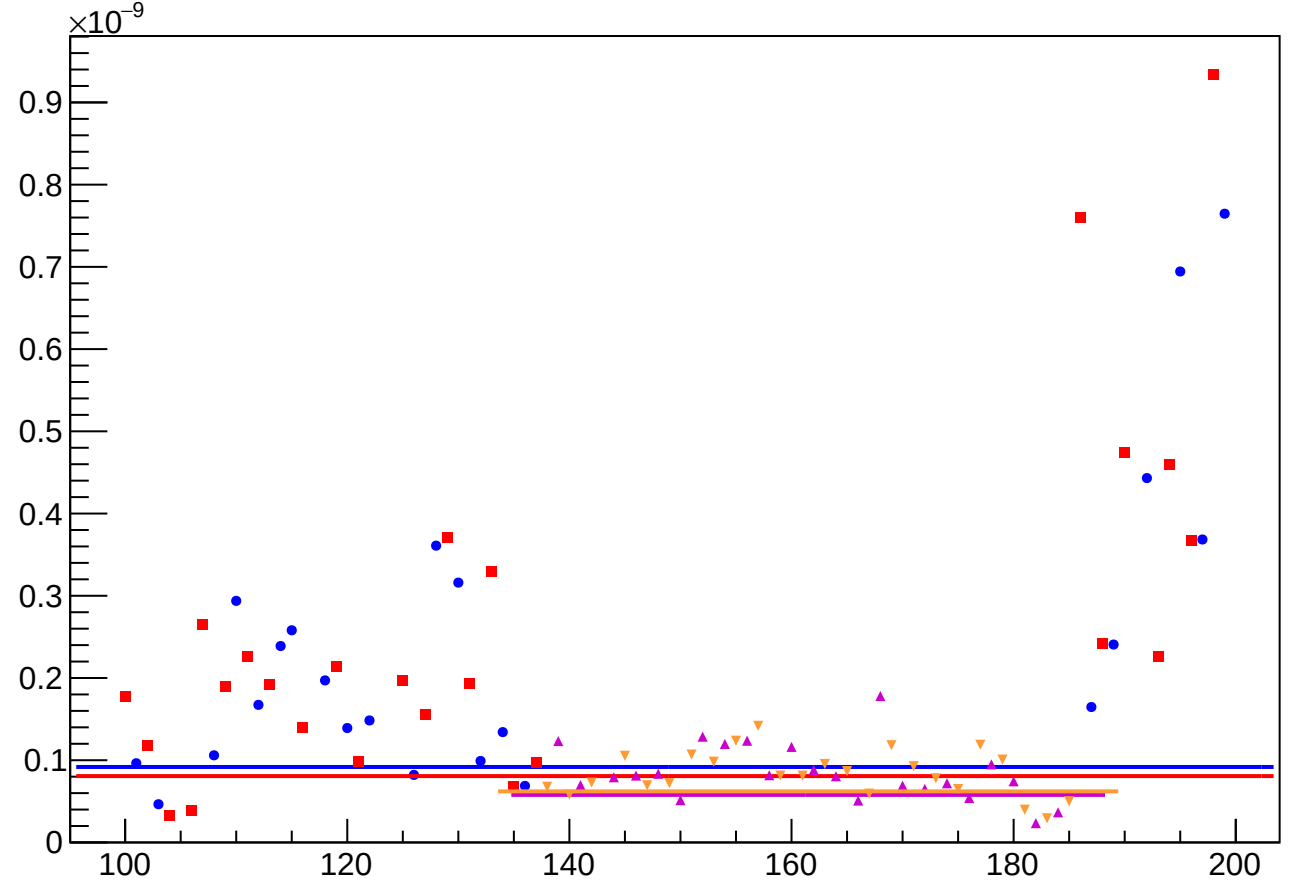
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.1/21
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.4/24
Left In: 0.000+/-0.000 χ²/NDF:17.2/22
+ sign -0.000+/-0.000 χ²/NDF: 50.0/45
All: 0.000+/-0.000 χ²/NDF: 105.5/93
- sign 0.000+/-0.000 χ²/NDF: 50.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 5152682.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6936165.5/24

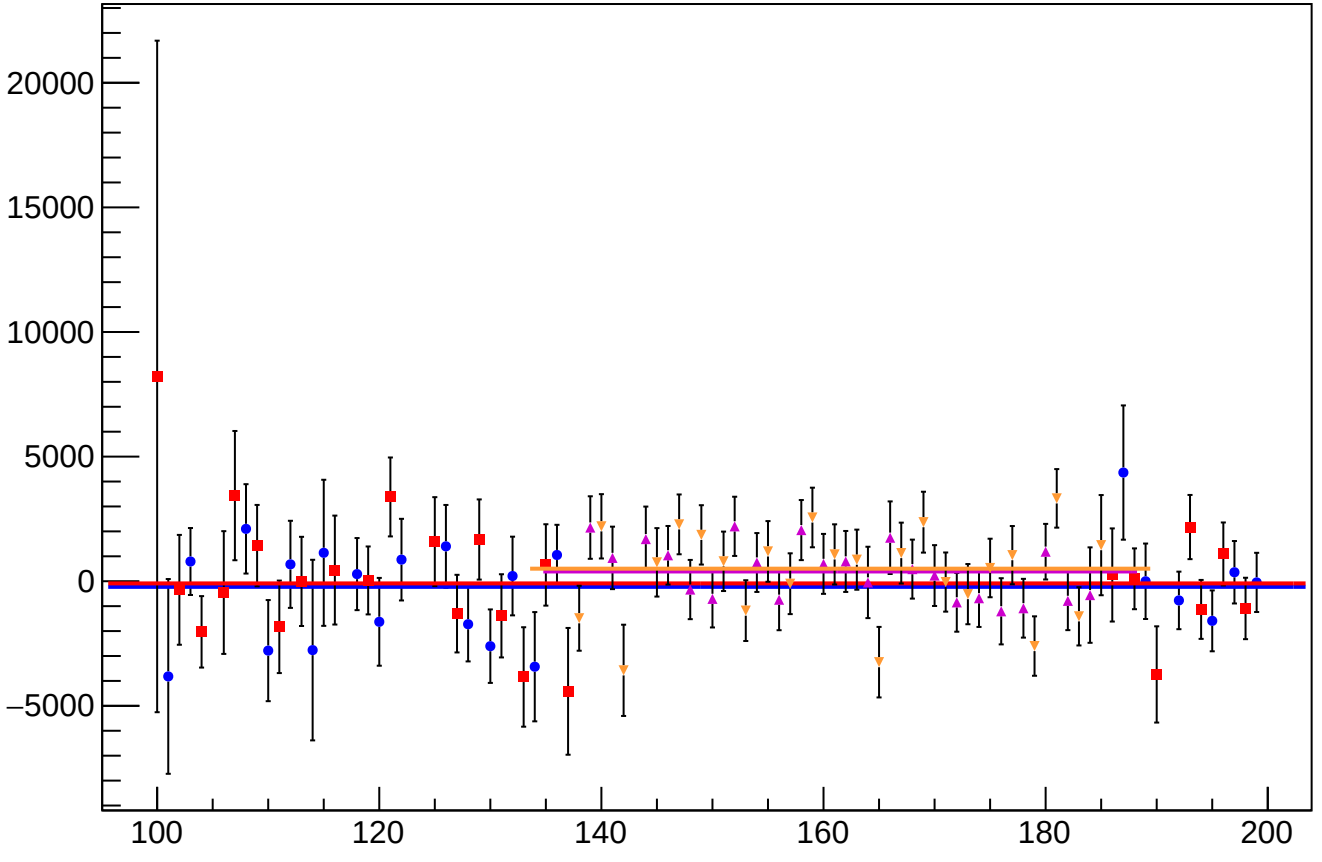
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9952299.5/45

All: 0.000+/-0.000 χ^2/NDF: 22958064.1/93

- sign 0.000+/-0.000 χ^2/NDF: 12918018.9/47

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -225.563+/-337.669 χ^2/NDF: 19.4/21

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -87.227+/-329.346 χ^2/NDF: 29.7/24

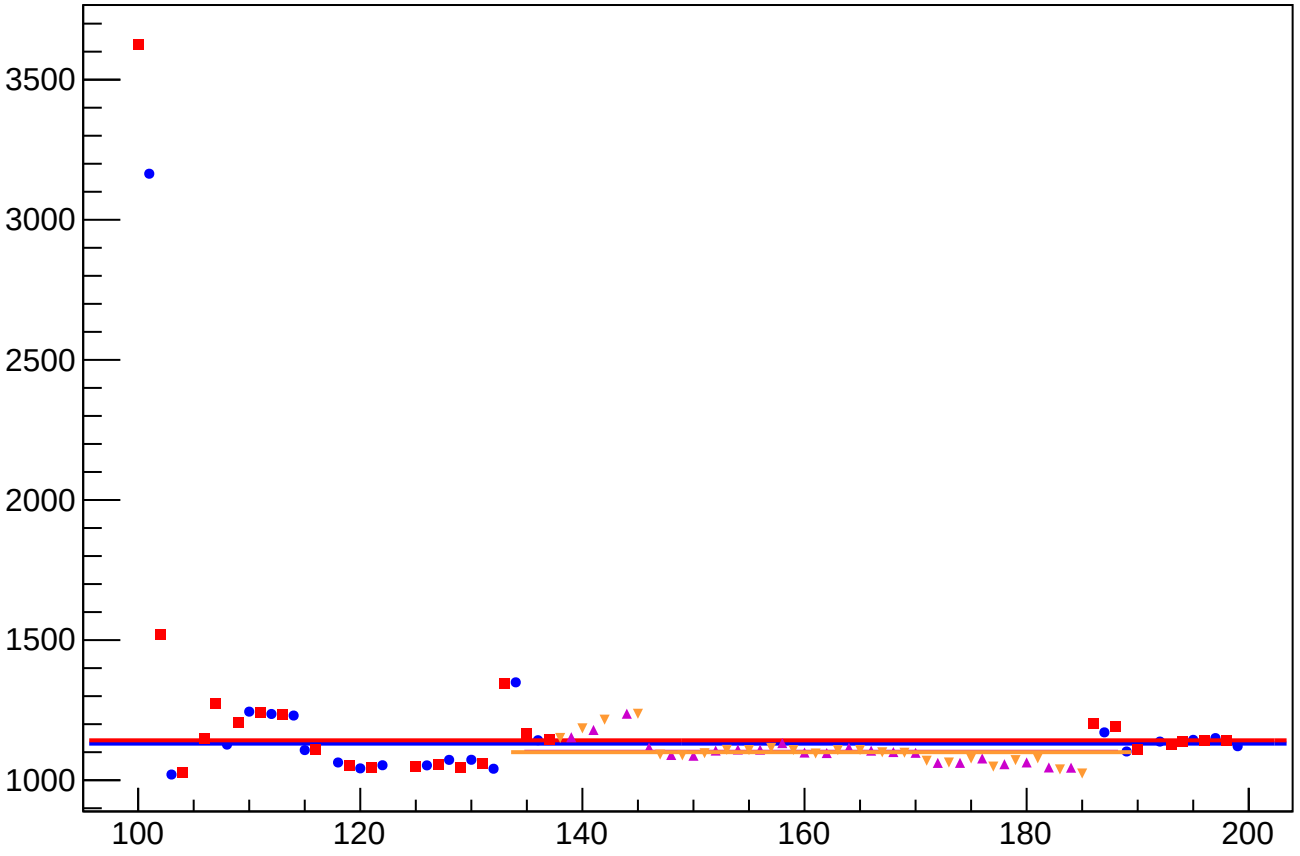
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 238.088+/-203.763 χ^2/NDF: 66.9/45

All: 224.030+/-143.741 χ^2/NDF: 115.8/93

- sign 210.105+/-202.801 χ^2/NDF: 48.8/47

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.552+/-0.239 χ^2/NDF: 623535.8/21

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

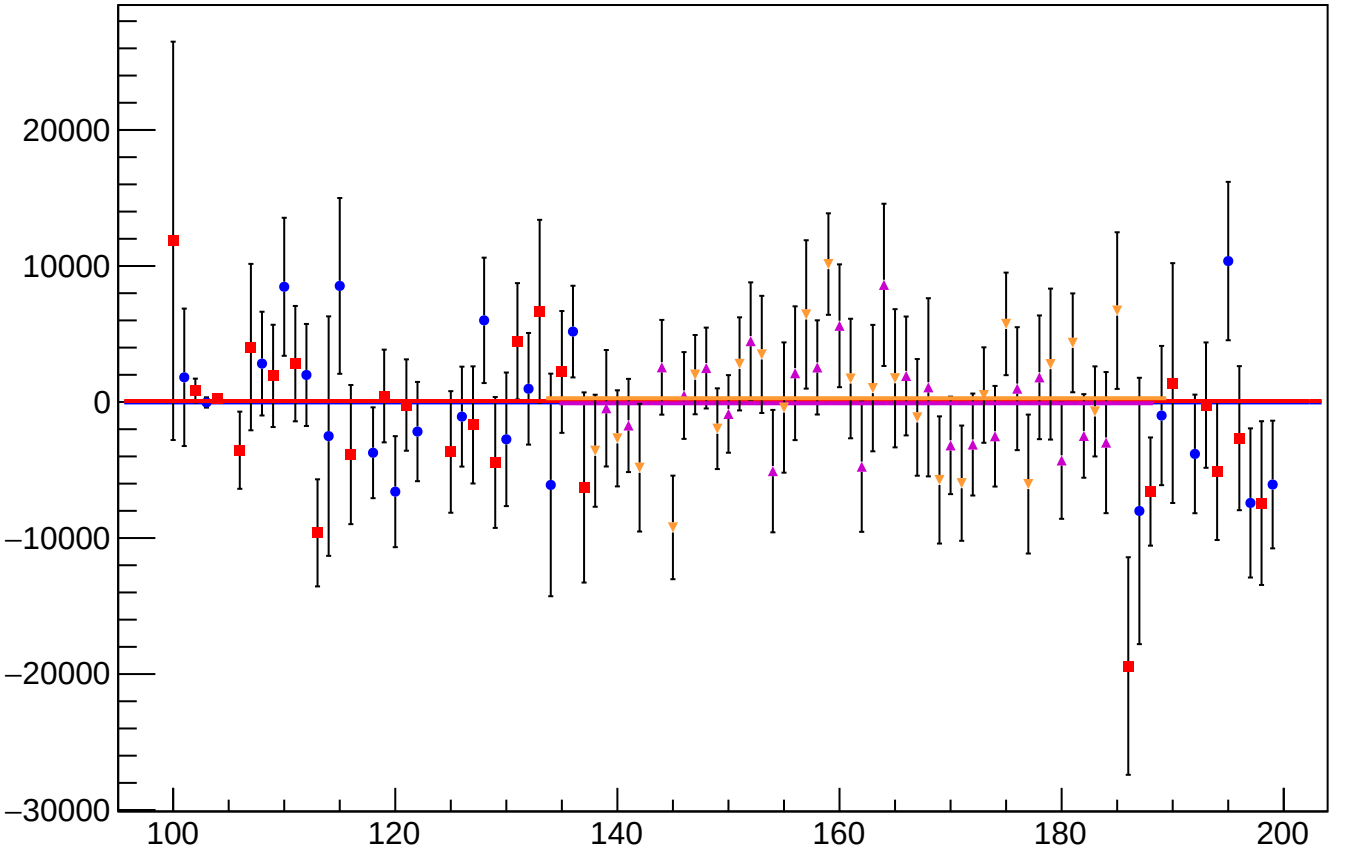
Right Out: 1142.352+/-0.233 χ^2/NDF: 226668.1/24

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.165+/-0.144 χ^2/NDF: 692637.5/45

All: 1114.112+/-0.102 χ^2/NDF: 991385.0/93

- sign 1117.029+/-0.143 χ^2/NDF: 297915.3/47



Right In: -29.834+/-352.956 χ^2/NDF: 23.0/21

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

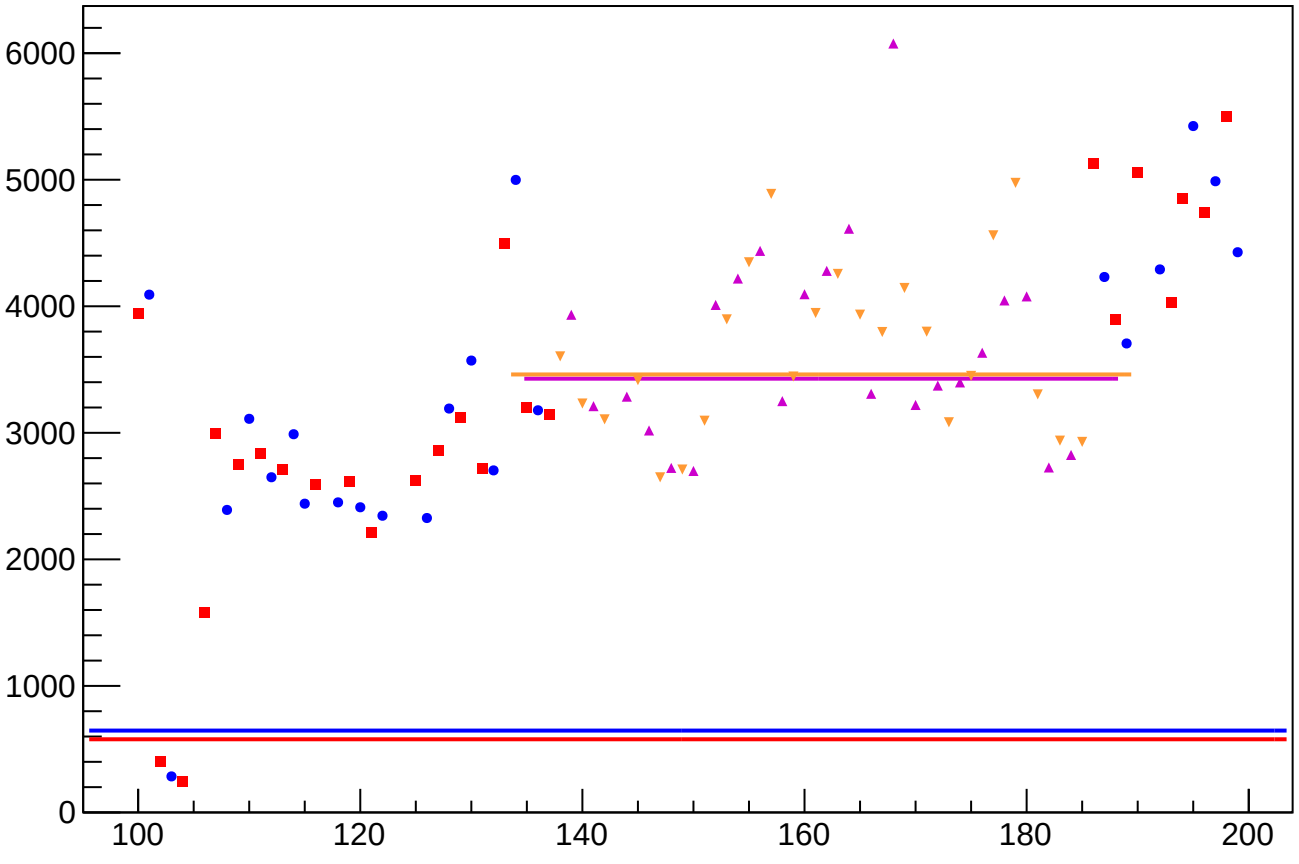
Right Out: 73.890+/-318.575 χ^2/NDF: 27.4/24

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 18.158+/-324.230 χ^2/NDF: 53.0/45

All: 36.377+/-218.933 χ^2/NDF: 94.1/93

- sign 51.645+/-296.819 χ^2/NDF: 41.1/47



Right In: 647.025+/-0.250 χ^2/NDF: 16125119.9/21

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 578.261+/-0.225 χ^2/NDF: 17047265.1/24

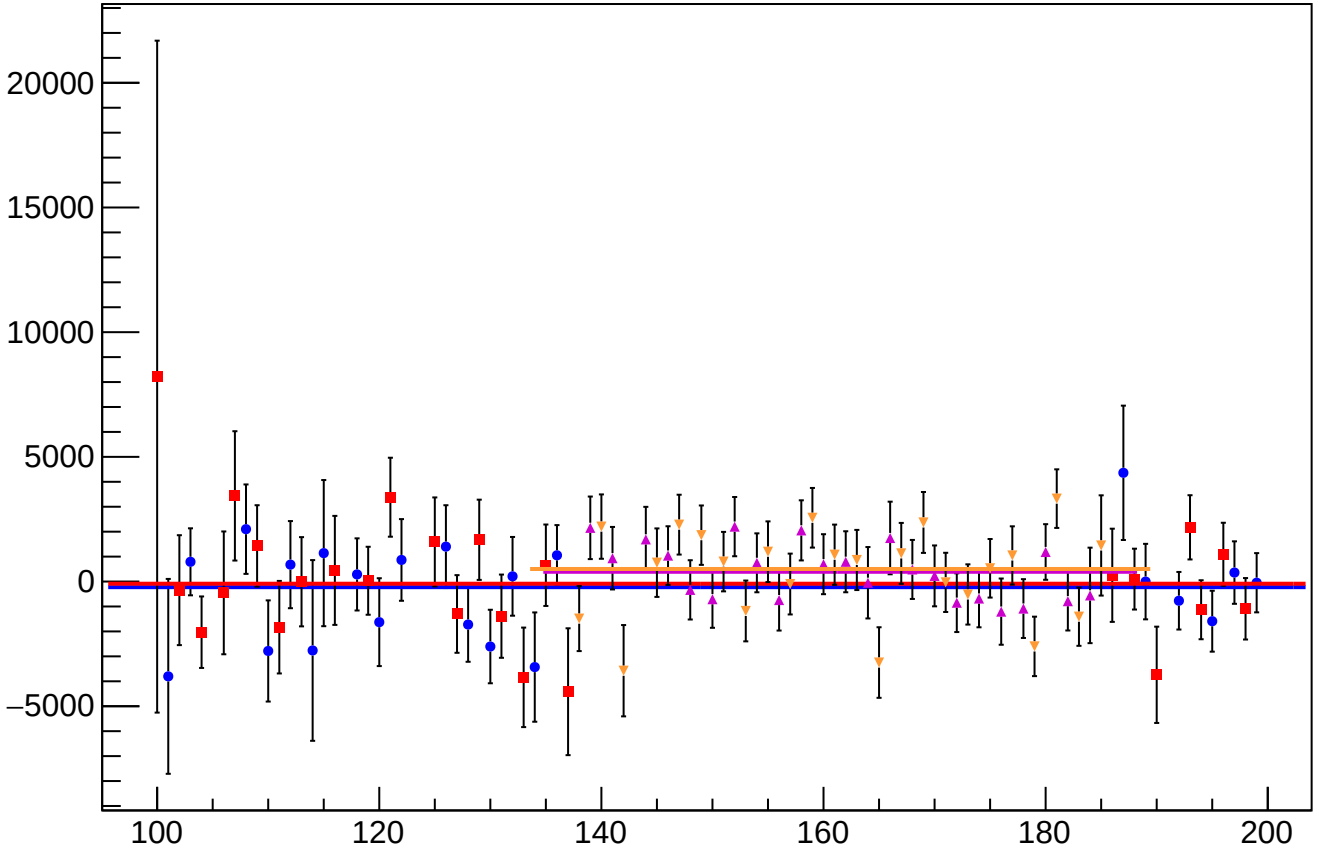
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1086.473+/-0.229 χ^2/NDF: 37038182.7/45

All: 1014.496+/-0.155 χ^2/NDF: 76619212.1/9

- sign 954.174+/-0.210 χ^2/NDF: 39399863.7/47

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -225.475+/-337.669 χ^2/NDF: 19.4/21

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -87.307+/-329.346 χ^2/NDF: 29.7/24

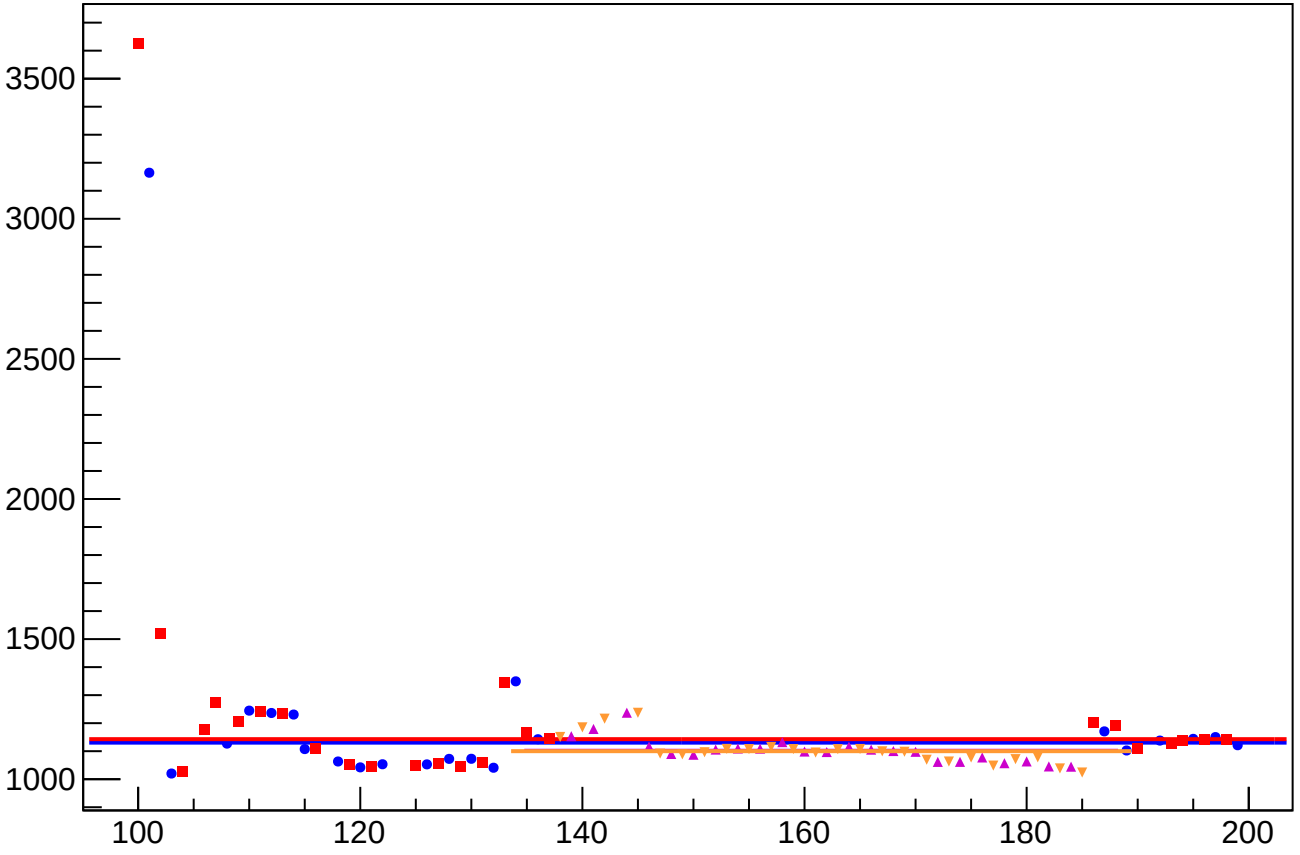
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 238.166+/-203.763 χ^2/NDF: 66.9/45

All: 224.050+/-143.741 χ^2/NDF: 115.8/93

- sign 210.067+/-202.801 χ^2/NDF: 48.8/47

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.552+/-0.239 χ^2/NDF: 623536.9/21

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

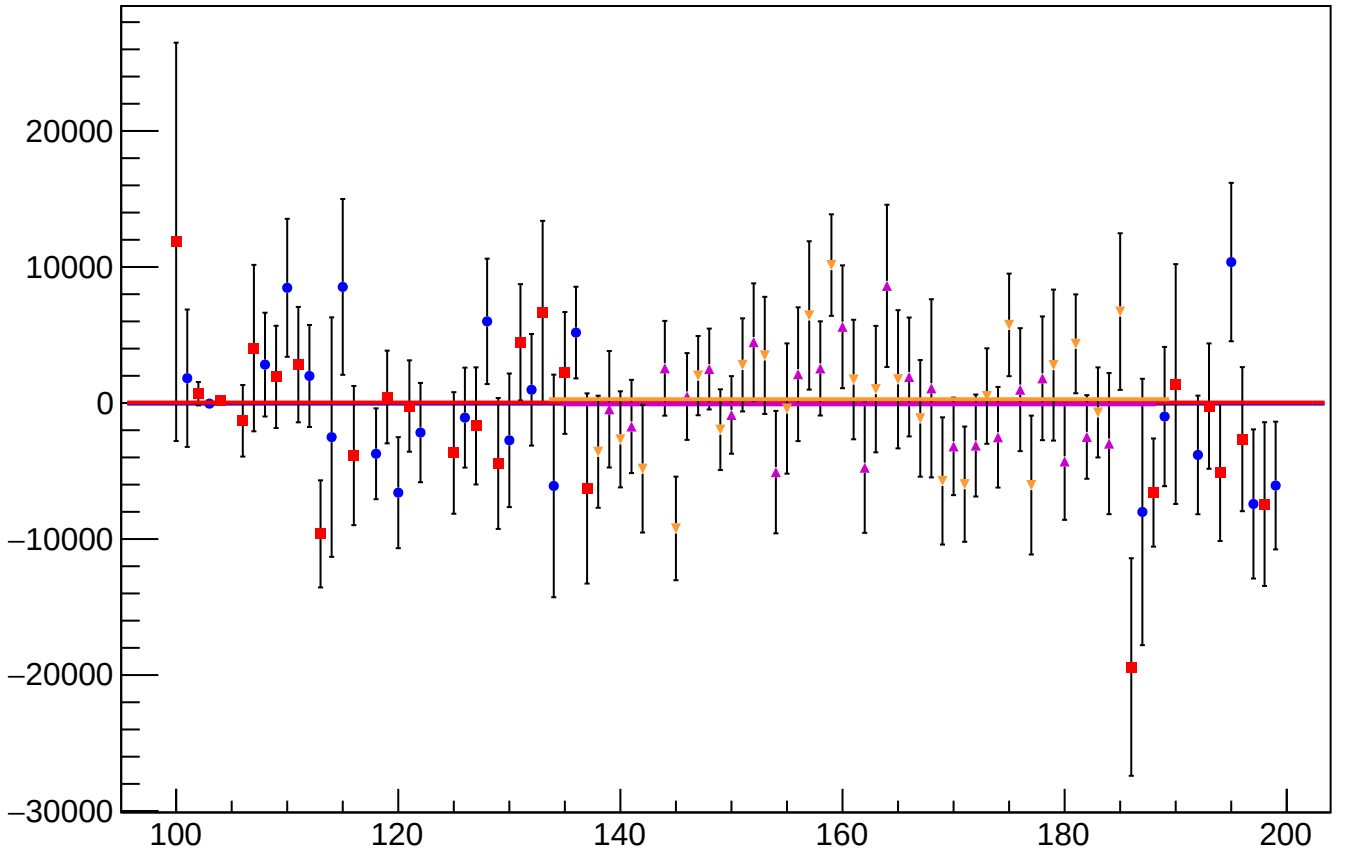
Right Out: 1142.920+/-0.233 χ^2/NDF: 227099.8/24

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.165+/-0.144 χ^2/NDF: 692638.5/45

All: 1114.212+/-0.102 χ^2/NDF: 992393.2/93

- sign 1117.230+/-0.143 χ^2/NDF: 298864.5/47



Right In: -41.297+/-340.323 χ^2/NDF: 23.0/21

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

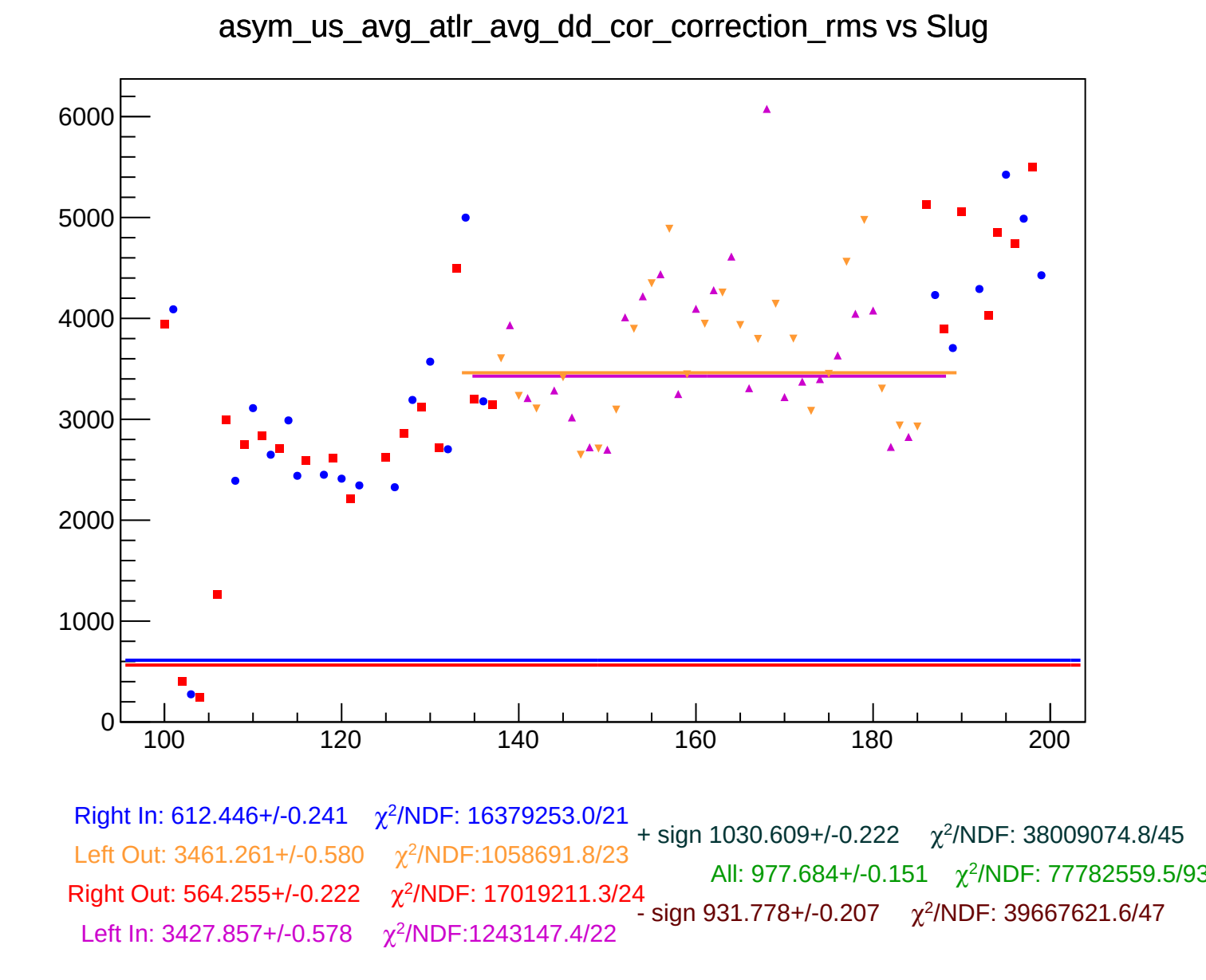
Right Out: 33.528+/-313.583 χ^2/NDF: 25.7/24

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

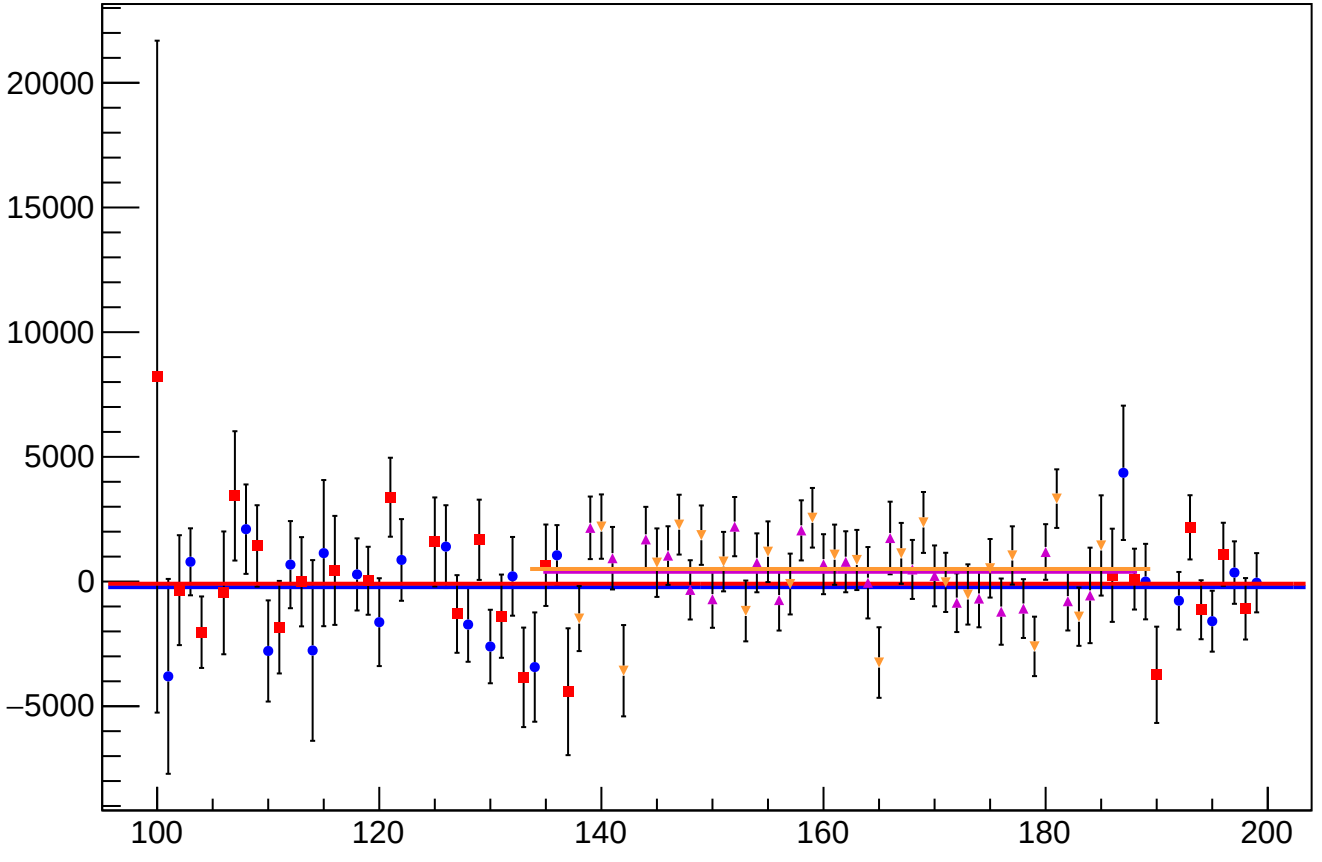
+ sign 5.503+/-314.355 χ^2/NDF: 53.0/45

All: 11.695+/-214.244 χ^2/NDF: 92.3/93

- 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: 612.446+/-0.241 χ²/NDF: 16379253.0/21
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 1030.609+/-0.222 χ²/NDF: 38009074.8/45
All: 977.684+/-0.151 χ²/NDF: 77782559.5/93
- sign 931.778+/-0.207 χ²/NDF: 39667621.6/47

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -225.475+/-337.669 χ^2/NDF: 19.4/21

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -87.307+/-329.346 χ^2/NDF: 29.7/24

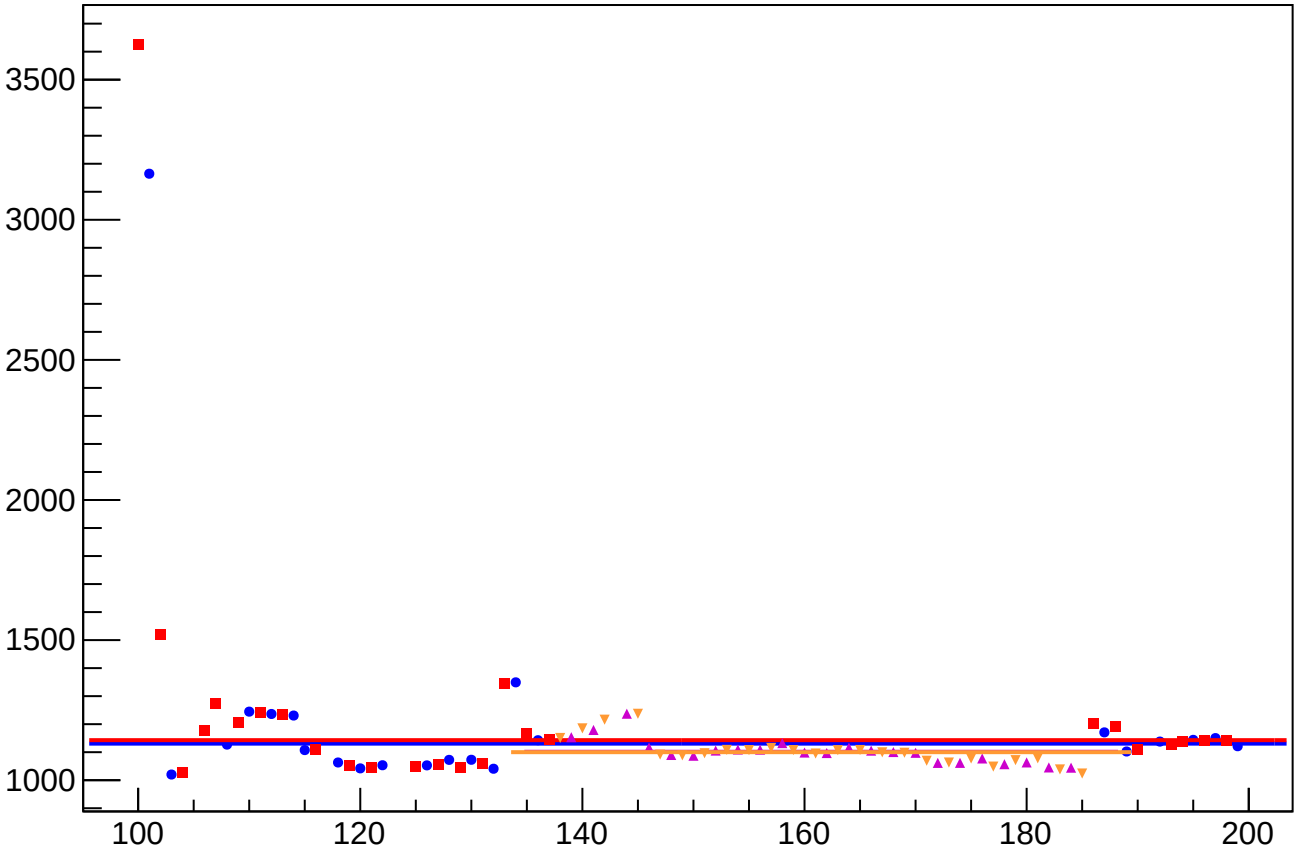
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 238.166+/-203.763 χ^2/NDF: 66.9/45

All: 224.050+/-143.741 χ^2/NDF: 115.8/93

- sign 210.067+/-202.801 χ^2/NDF: 48.8/47

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1130.552+/-0.239 χ^2/NDF: 623536.9/21

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

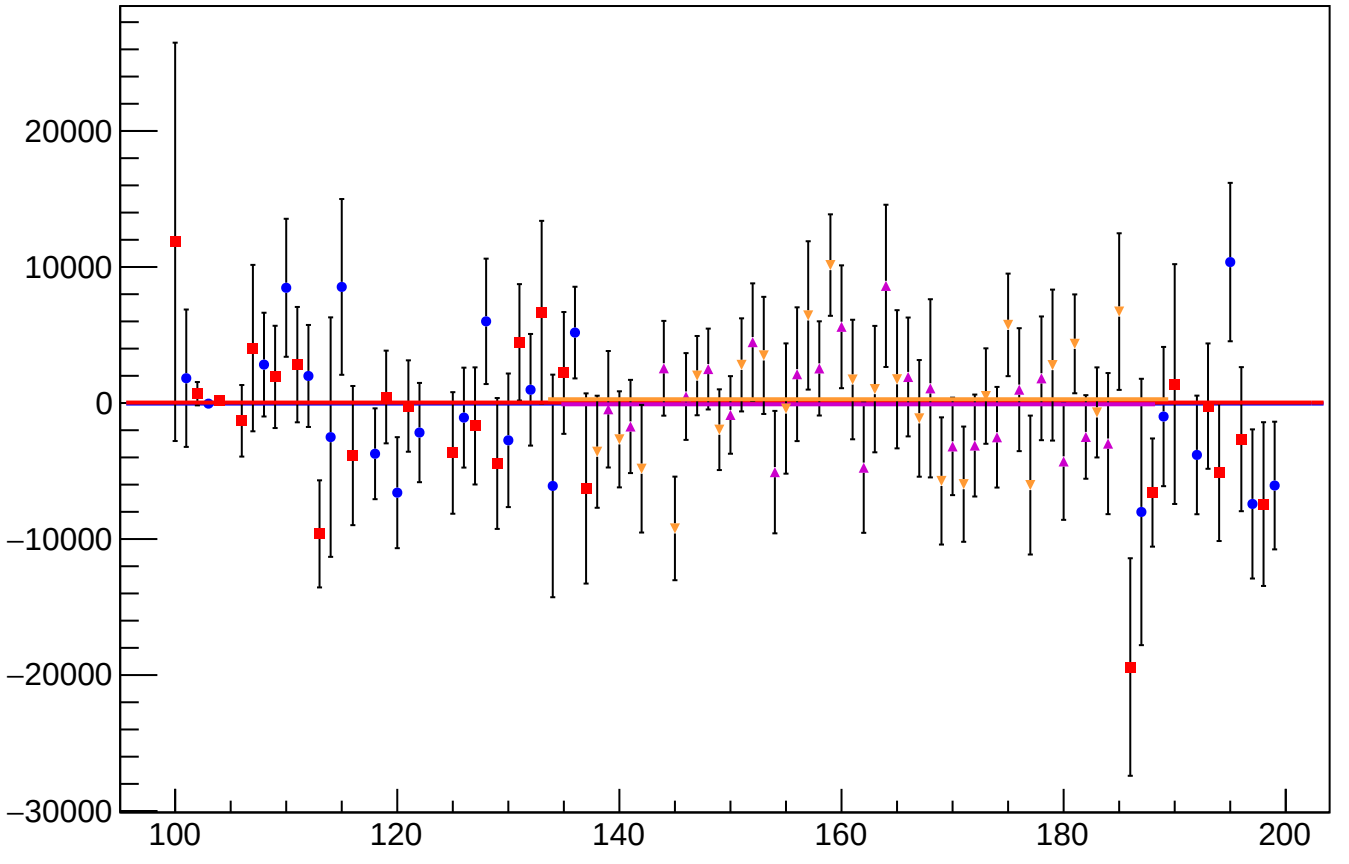
Right Out: 1142.920+/-0.233 χ^2/NDF: 227099.8/24

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.165+/-0.144 χ^2/NDF: 692638.5/45

All: 1114.212+/-0.102 χ^2/NDF: 992393.2/93

- sign 1117.230+/-0.143 χ^2/NDF: 298864.5/47



Right In: -41.297+/-340.323 χ^2/NDF: 23.0/21

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

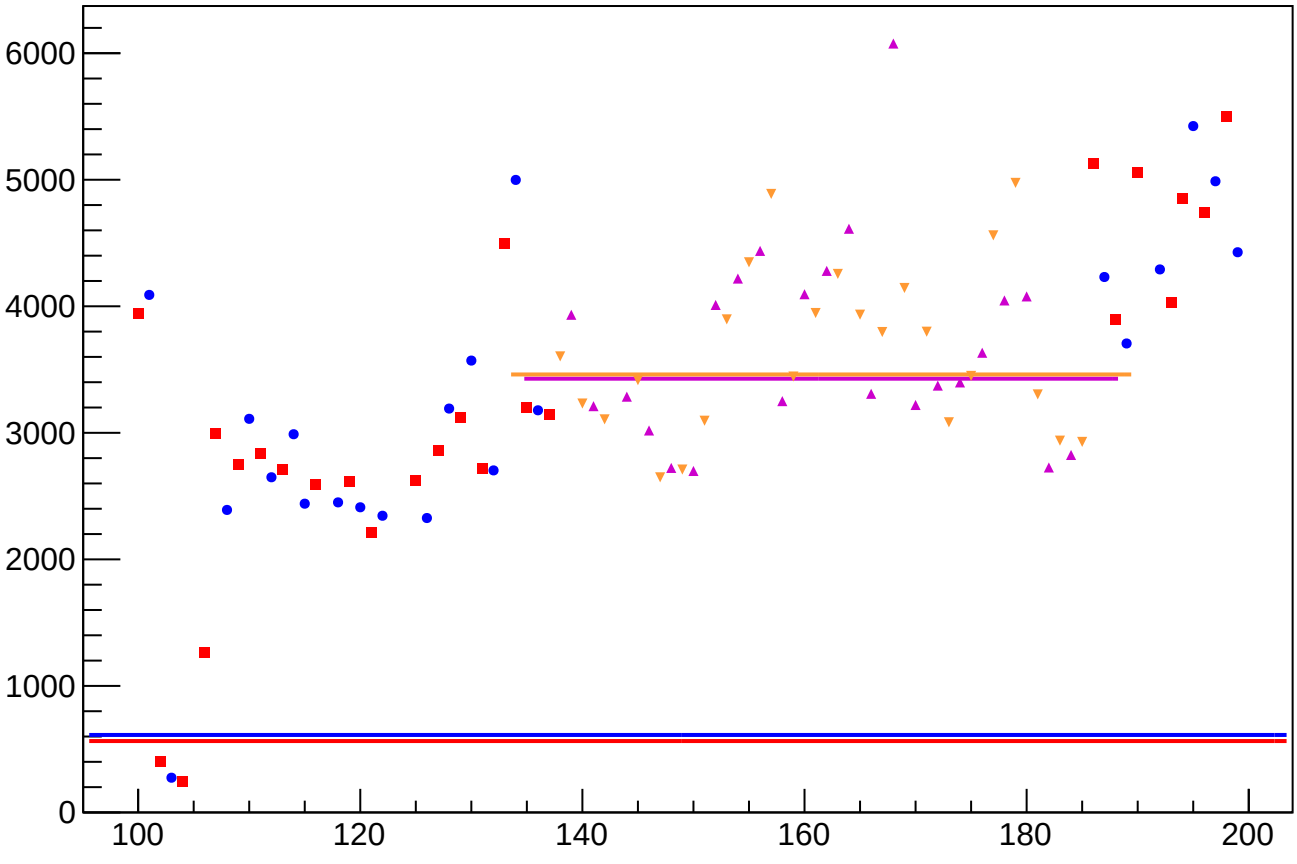
Right Out: 33.528+/-313.583 χ^2/NDF: 25.7/24

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign 5.503+/-314.355 χ^2/NDF: 53.0/45

All: 11.695+/-214.244 χ^2/NDF: 92.3/93

\- sign 17.065+/-292.770 χ^2/NDF: 39.3/47



Right In: 612.446+/-0.241 χ^2/NDF: 16379253.0/21

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 564.255+/-0.222 χ^2/NDF: 17019211.3/24

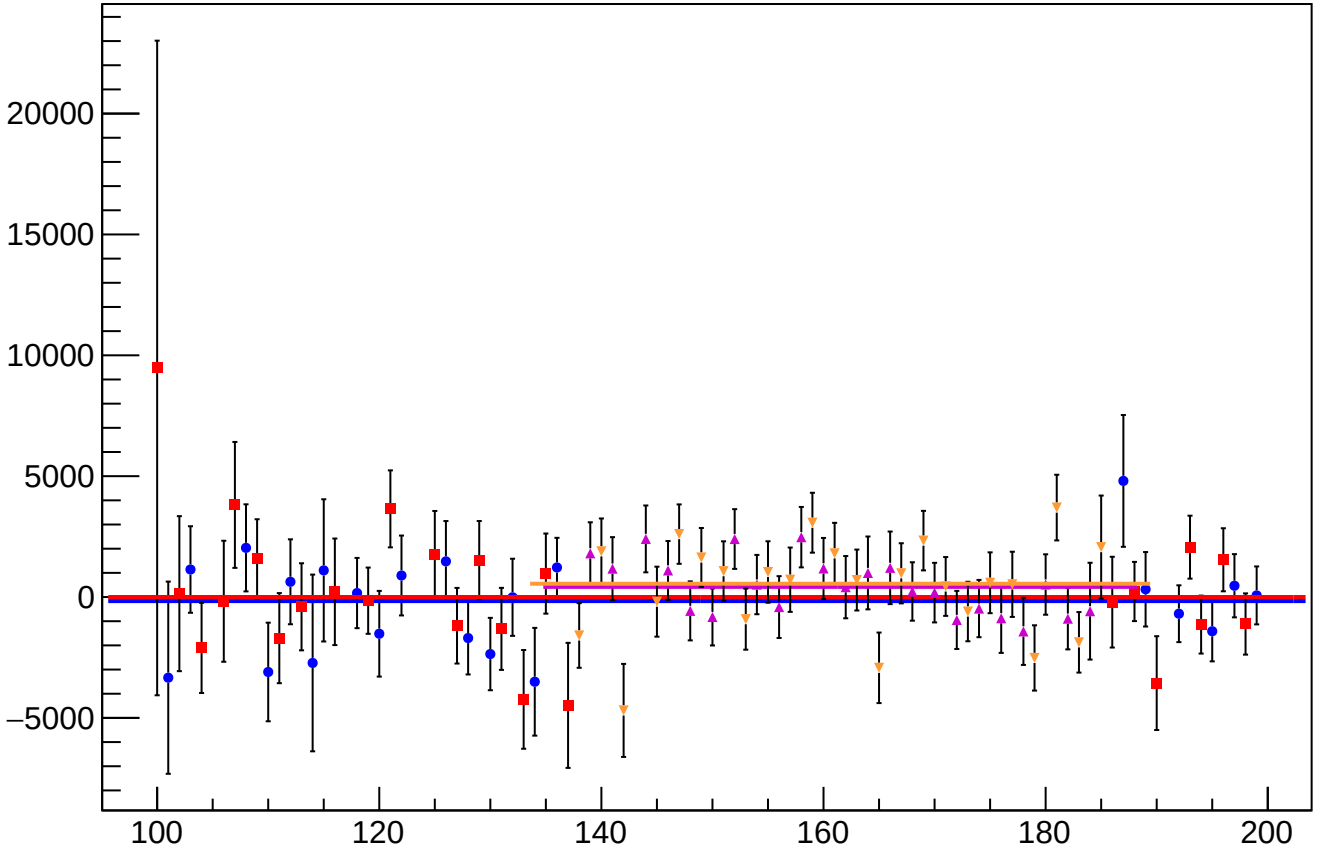
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1030.609+/-0.222 χ^2/NDF: 38009074.8/45

All: 977.684+/-0.151 χ^2/NDF: 77782559.5/93

- sign 931.778+/-0.207 χ^2/NDF: 39667621.6/47

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -168.143+/-346.946 χ^2/NDF: 19.2/21

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 1.234+/-338.801 χ^2/NDF: 30.7/24

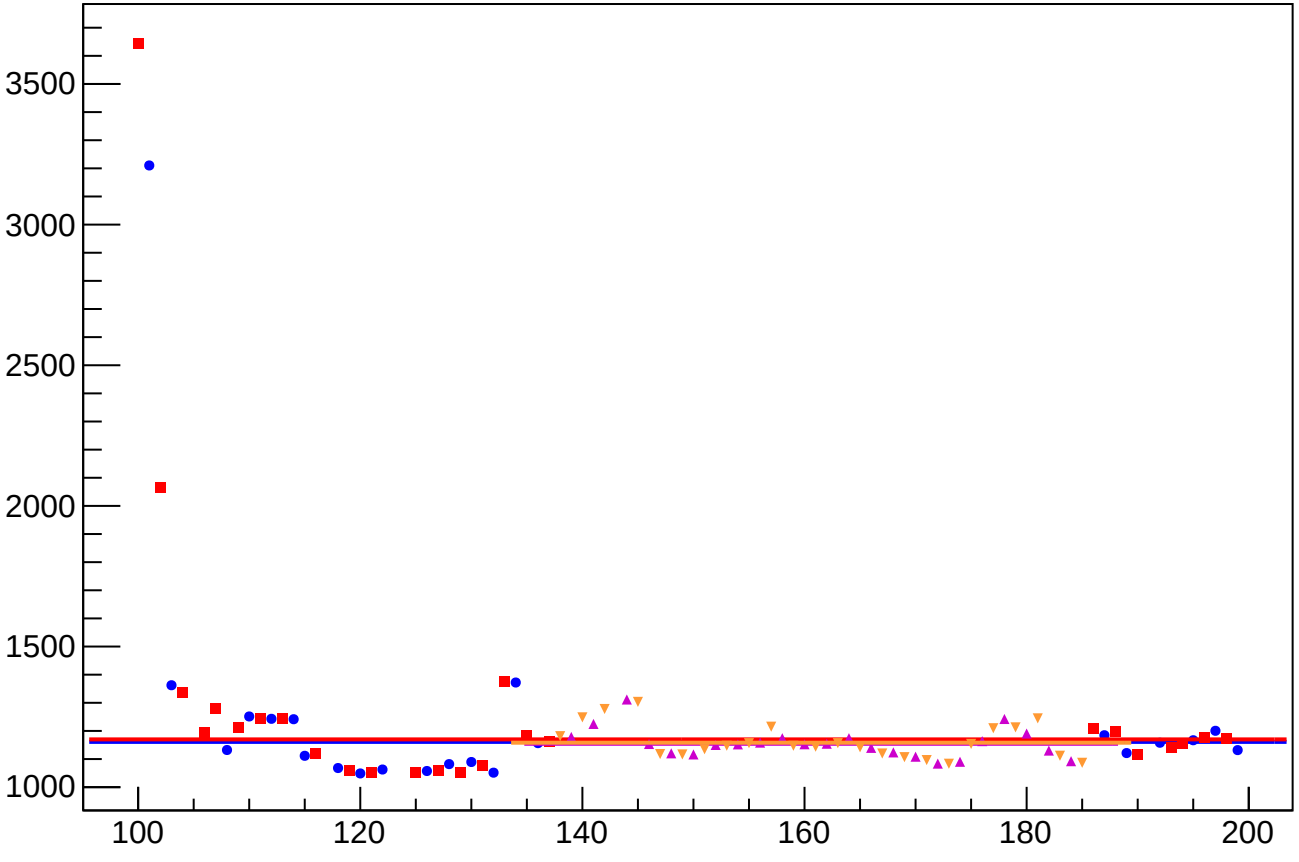
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 280.529+/-212.689 χ^2/NDF: 67.1/45

All: 269.232+/-149.815 χ^2/NDF: 116.7/93

- sign 258.107+/-211.062 χ^2/NDF: 49.6/47

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1161.044+/-0.245 χ^2/NDF: 639927.2/21

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

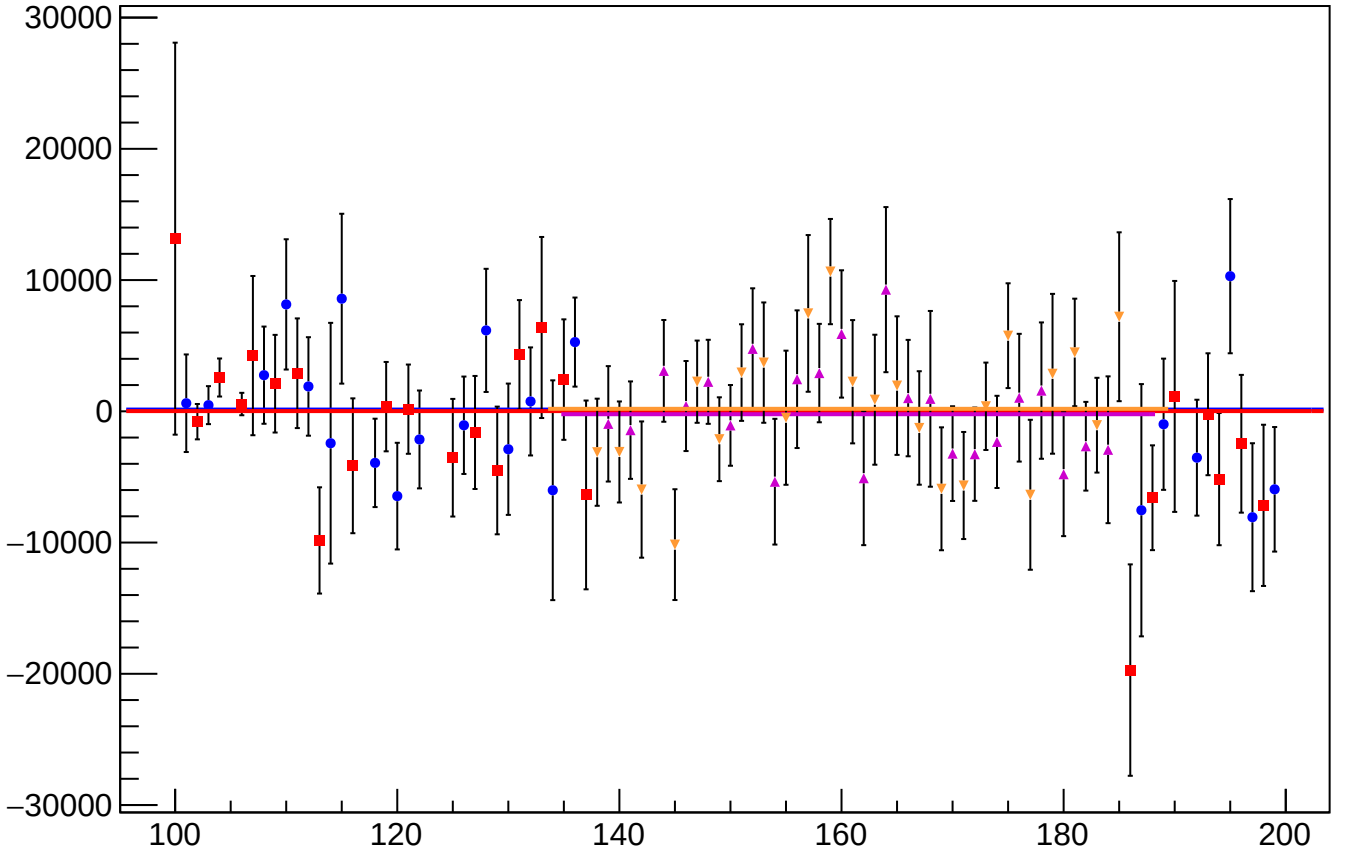
Right Out: 1169.930+/-0.240 χ^2/NDF: 336491.8/24

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1159.254+/-0.150 χ^2/NDF: 724124.2/45

All: 1159.794+/-0.106 χ^2/NDF: 1129747.1/93

- sign 1160.325+/-0.149 χ^2/NDF: 405597.3/47



Right In: 132.806+/-812.259 χ^2/NDF: 22.8/21

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

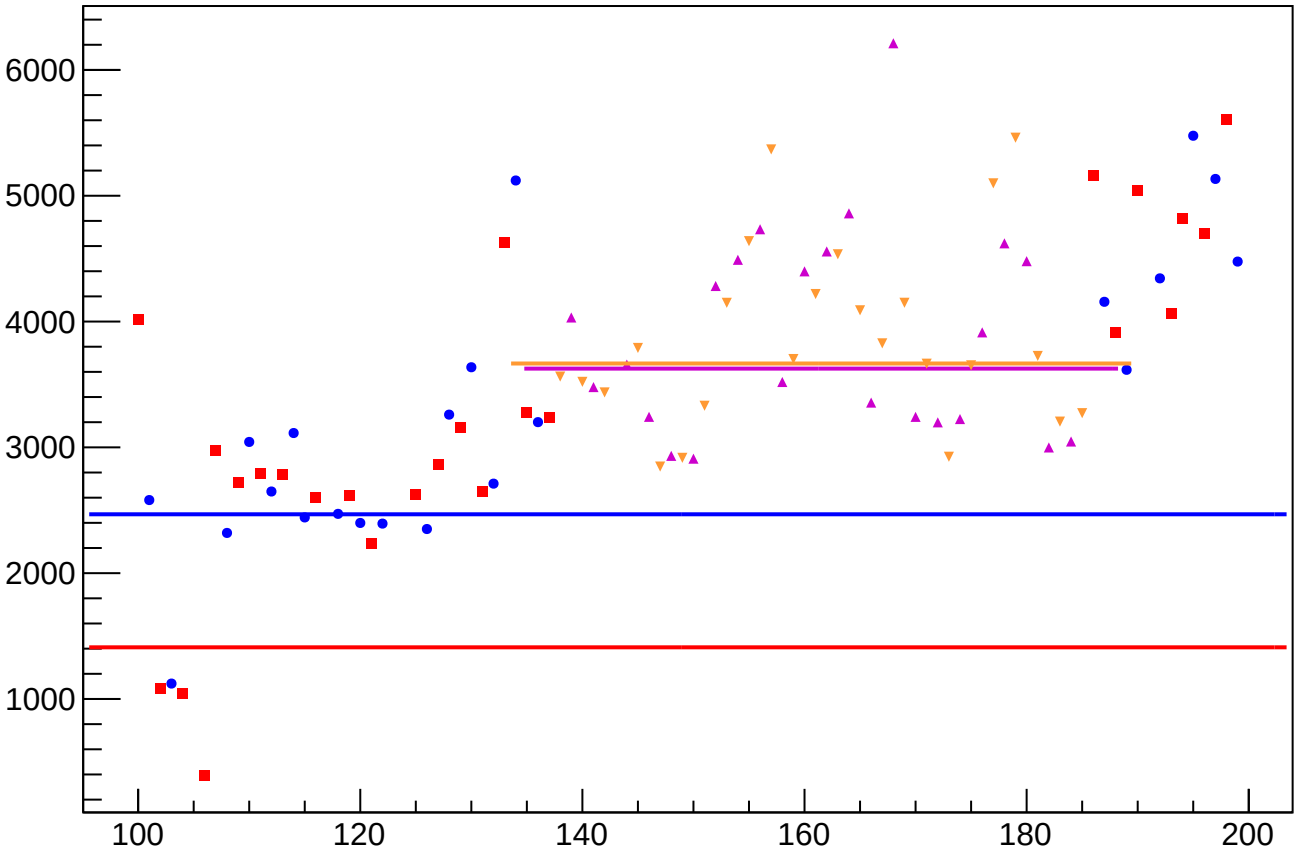
Right Out: 16.223+/-545.335 χ^2/NDF: 28.5/24

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 159.337+/-593.538 χ^2/NDF: 52.0/45

All: 27.969+/-364.218 χ^2/NDF: 94.1/93

- sign -51.375+/-461.277 χ^2/NDF: 42.0/47



Right In: 2468.030+/-0.574 χ^2/NDF: 4103179.5/21

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1410.583+/-0.386 χ^2/NDF: 11023075.4/24

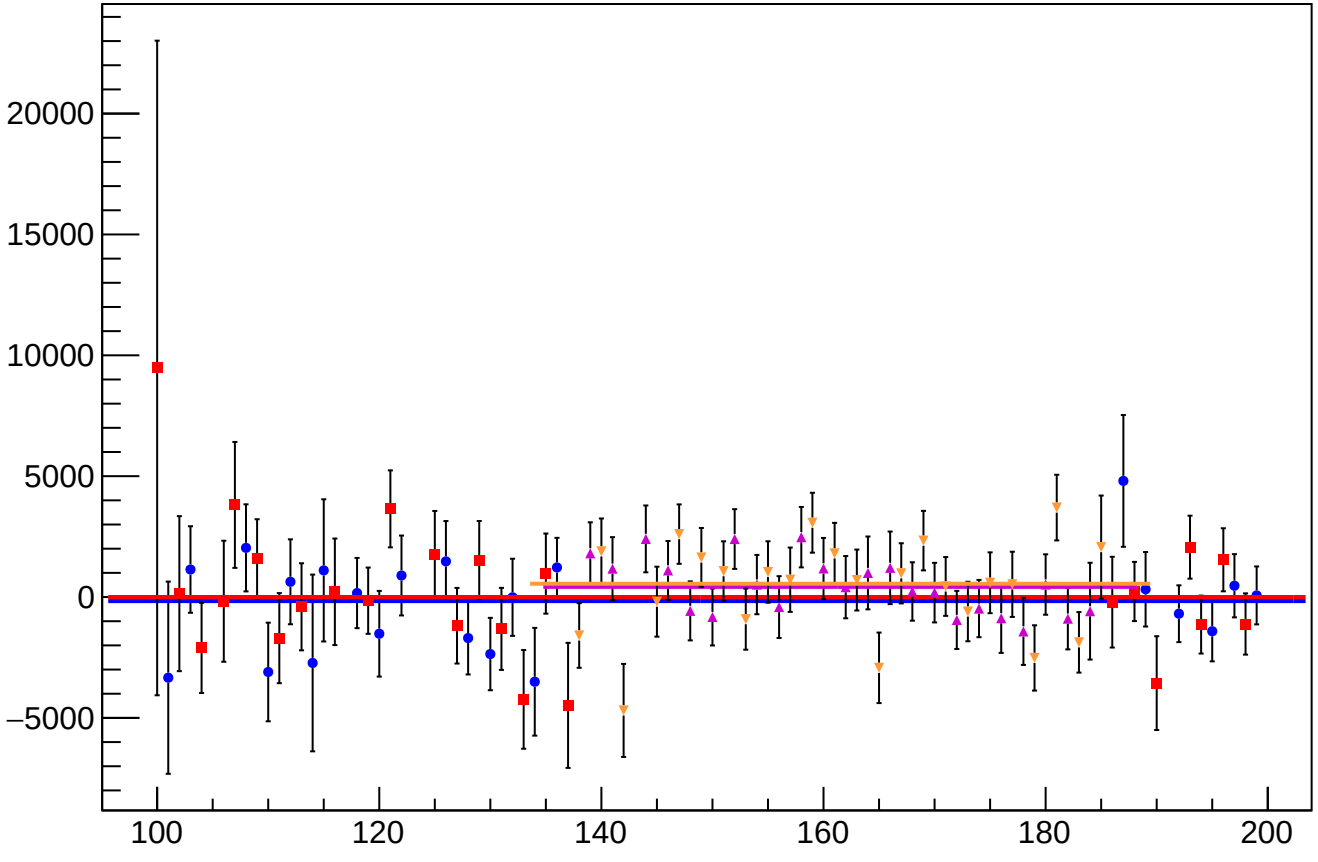
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3026.584+/-0.420 χ^2/NDF: 7228308.3/45

All: 2412.063+/-0.258 χ^2/NDF: 32339012.3/9

- sign 2040.902+/-0.326 χ^2/NDF: 21671902.5/47

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -168.144+/-346.946 χ^2/NDF: 19.2/21

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 1.236+/-338.801 χ^2/NDF: 30.7/24

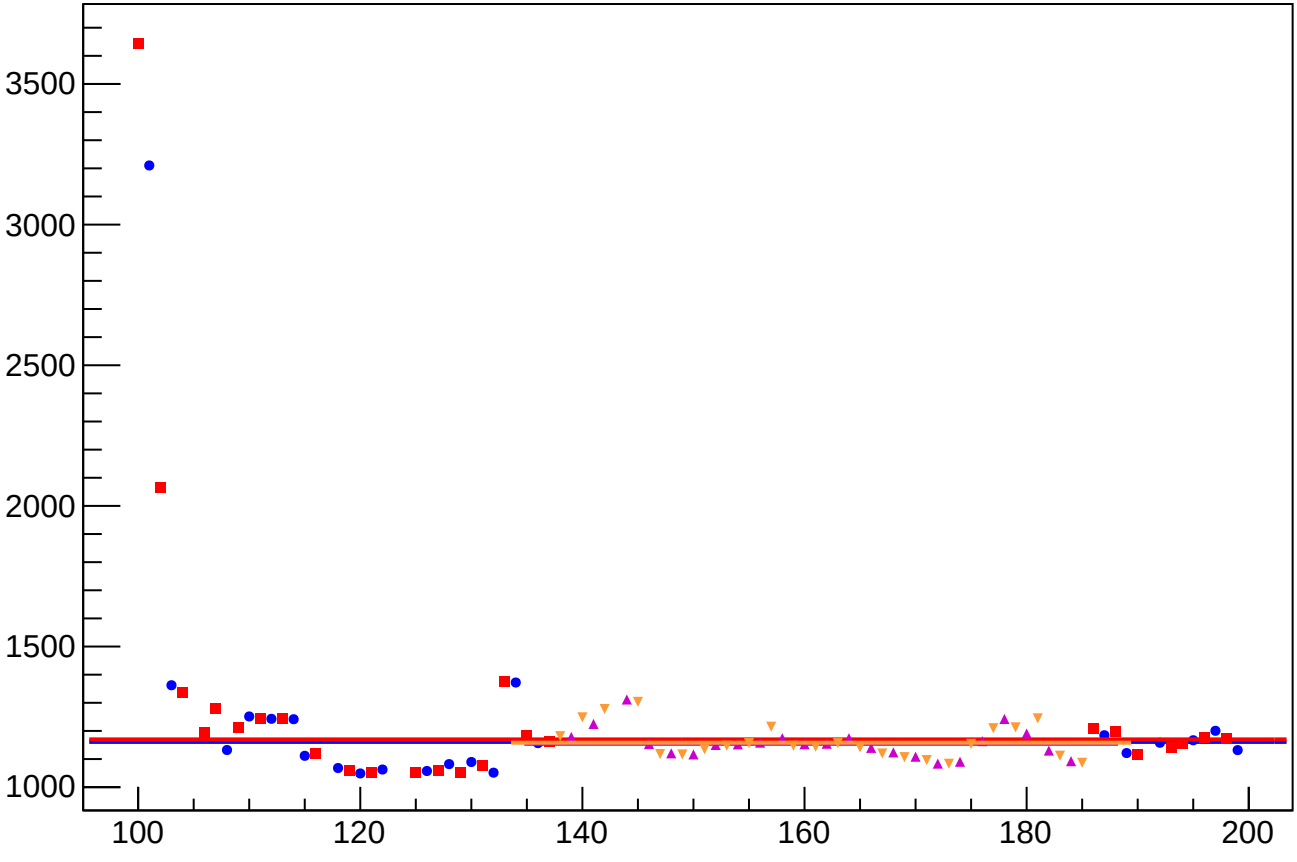
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 280.530+/-212.689 χ^2/NDF: 67.1/45

All: 269.233+/-149.815 χ^2/NDF: 116.7/93

- sign 258.107+/-211.062 χ^2/NDF: 49.6/47

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1161.043+/-0.245 χ^2/NDF: 639927.5/21

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

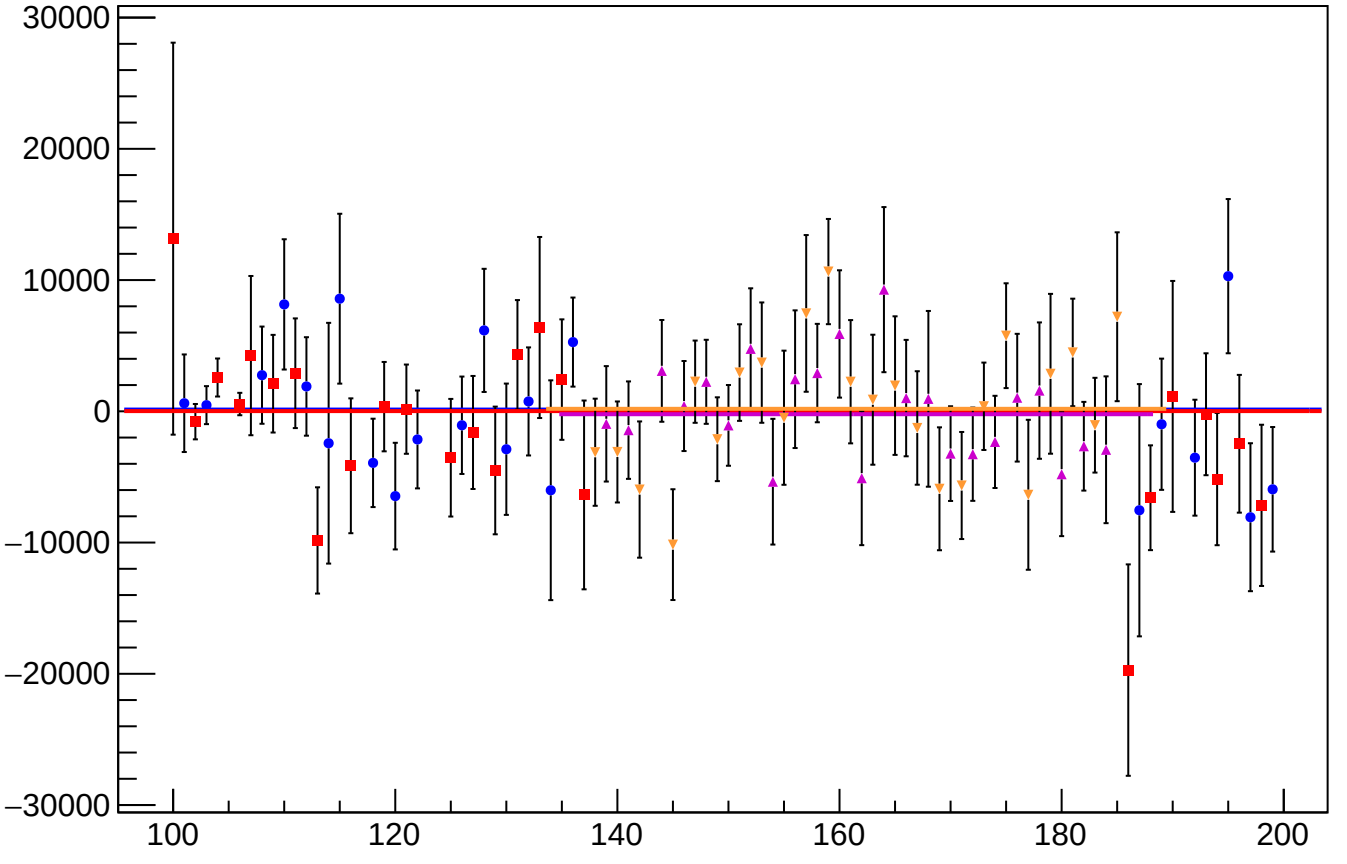
Right Out: 1169.930+/-0.240 χ^2/NDF: 336491.4/24

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1159.255+/-0.150 χ^2/NDF: 724126.9/45

All: 1159.795+/-0.106 χ^2/NDF: 1129751.7/93

- sign 1160.326+/-0.149 χ^2/NDF: 405599.2/47



Right In: 132.802+/-812.258 χ^2/NDF: 22.8/21

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

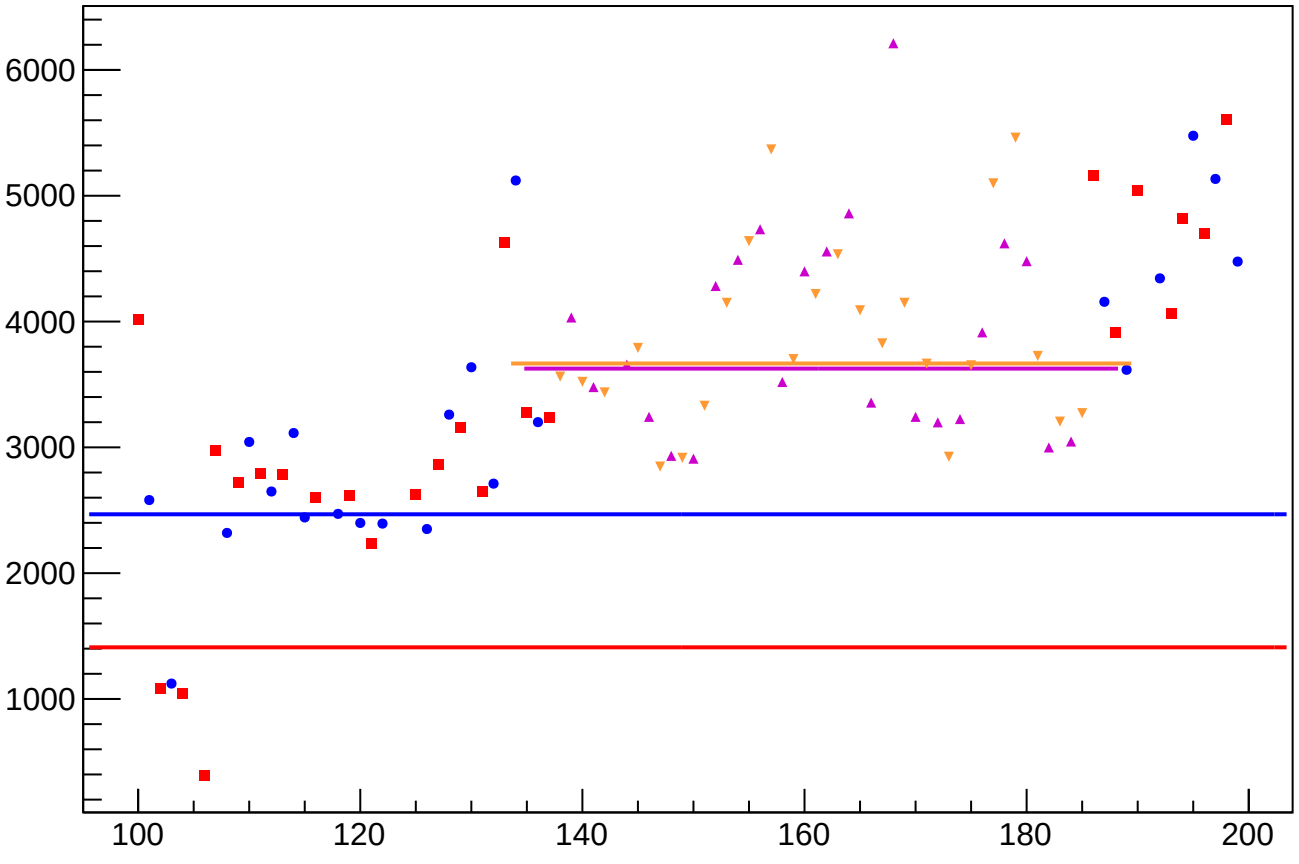
Right Out: 16.233+/-545.329 χ^2/NDF: 28.5/24

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 159.335+/-593.538 χ^2/NDF: 52.0/45

All: 27.972+/-364.216 χ^2/NDF: 94.1/93

- sign -51.368+/-461.273 χ^2/NDF: 42.0/47



Right In: 2468.027+/-0.574 χ^2/NDF: 4103188.6/21

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1410.556+/-0.386 χ^2/NDF: 11023284.6/24

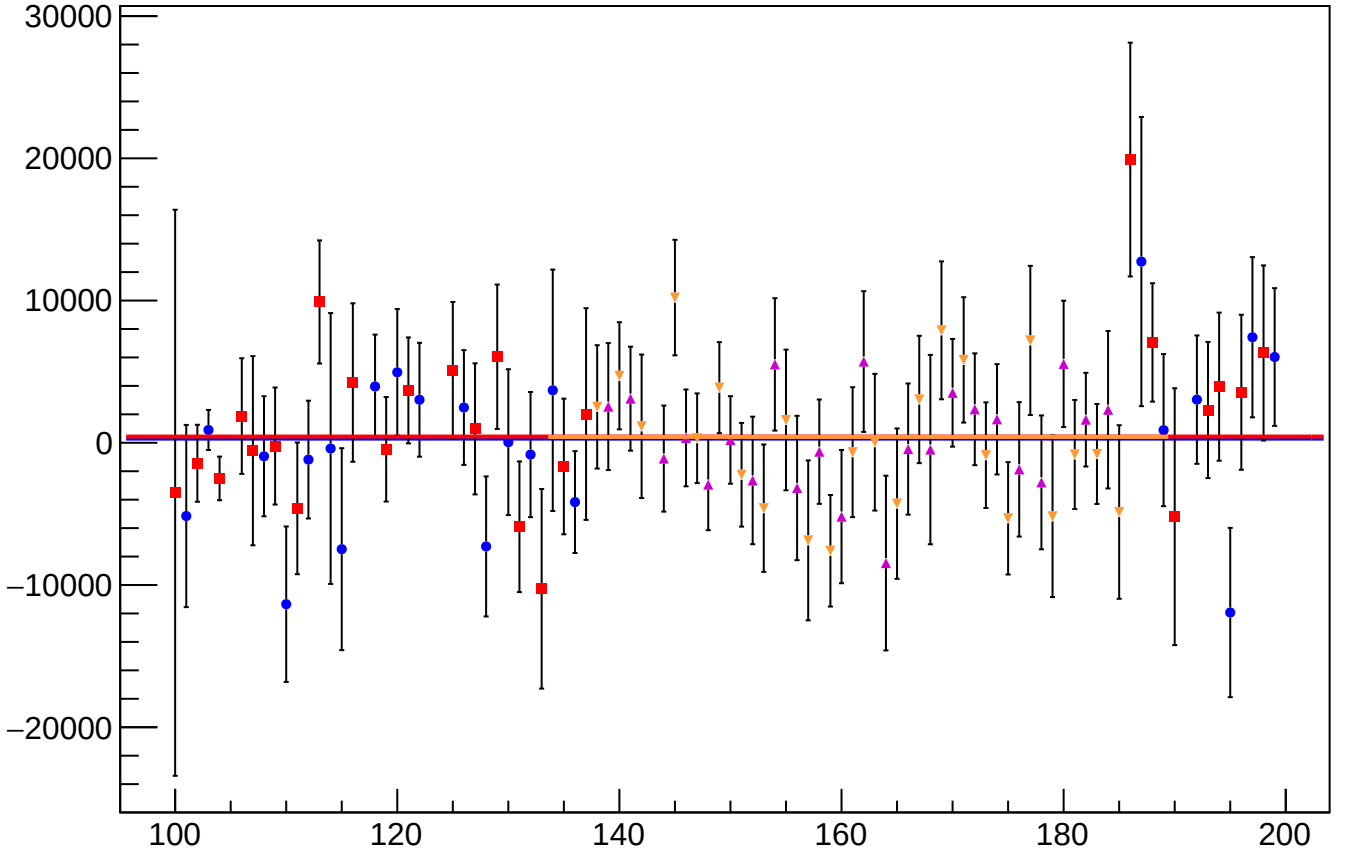
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3026.583+/-0.420 χ^2/NDF: 7228349.0/45

All: 2412.041+/-0.258 χ^2/NDF: 32339793.1/9

- sign 2040.872+/-0.326 χ^2/NDF: 21672426.4/47

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 294.279+/-852.570 χ^2/NDF: 23.0/21

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: 438.188+/-825.087 χ^2/NDF: 28.6/24

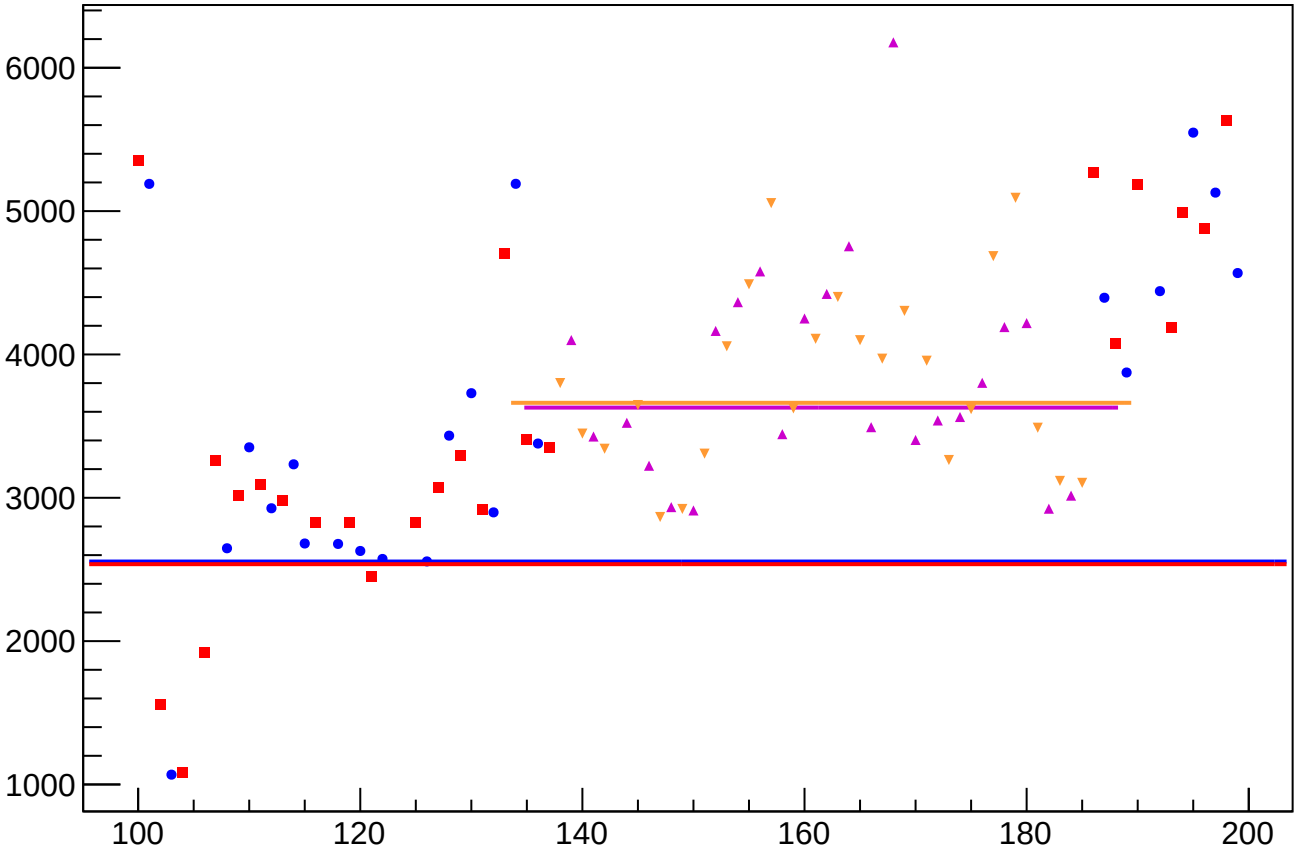
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 353.001+/-607.319 χ^2/NDF: 50.2/45

All: 387.951+/-425.451 χ^2/NDF: 91.1/93

- sign 421.632+/-596.192 χ^2/NDF: 40.9/47

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2555.237+/-0.603 χ^2/NDF: 4924416.9/21

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

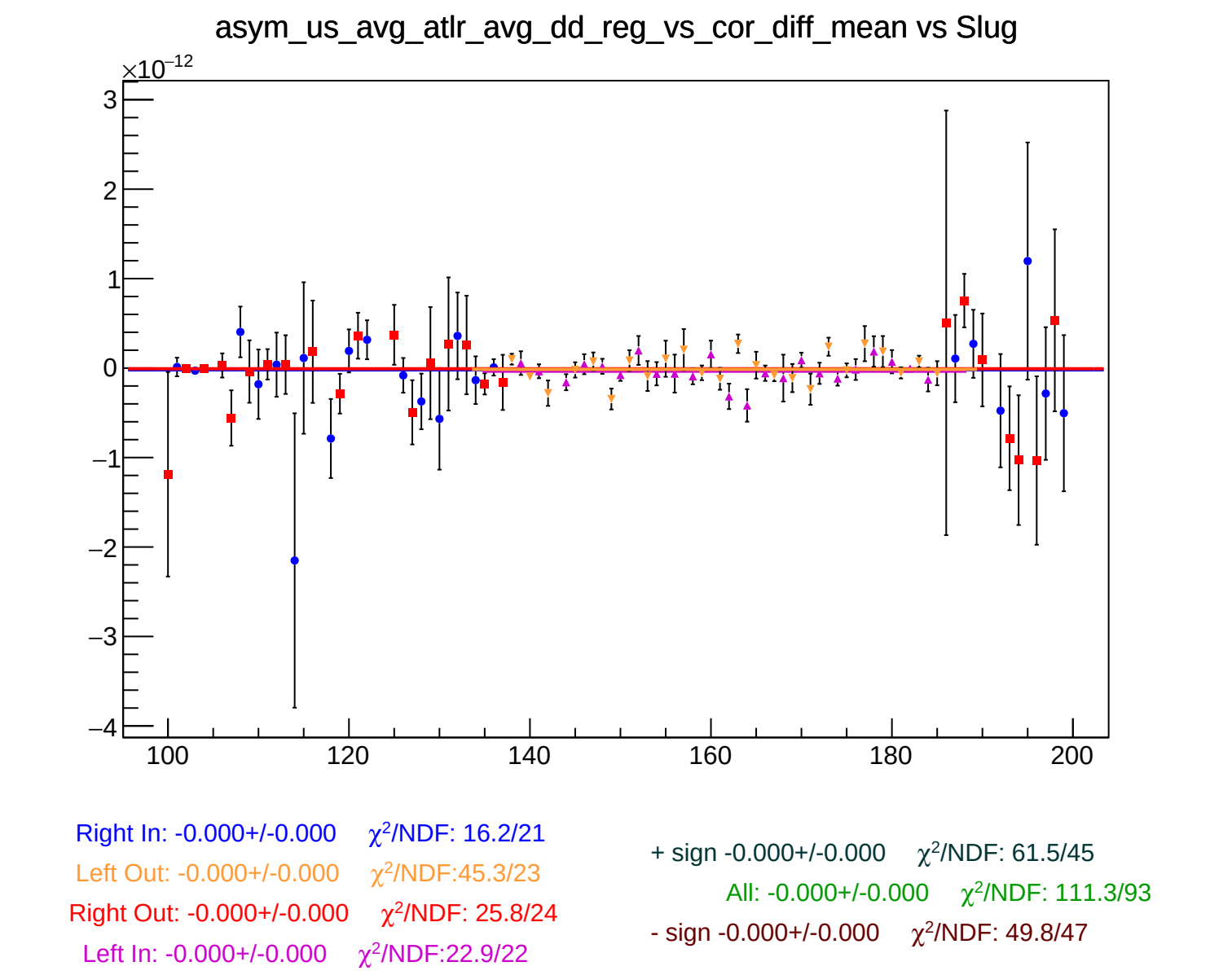
Right Out: 2536.896+/-0.582 χ^2/NDF: 4868608.2/24

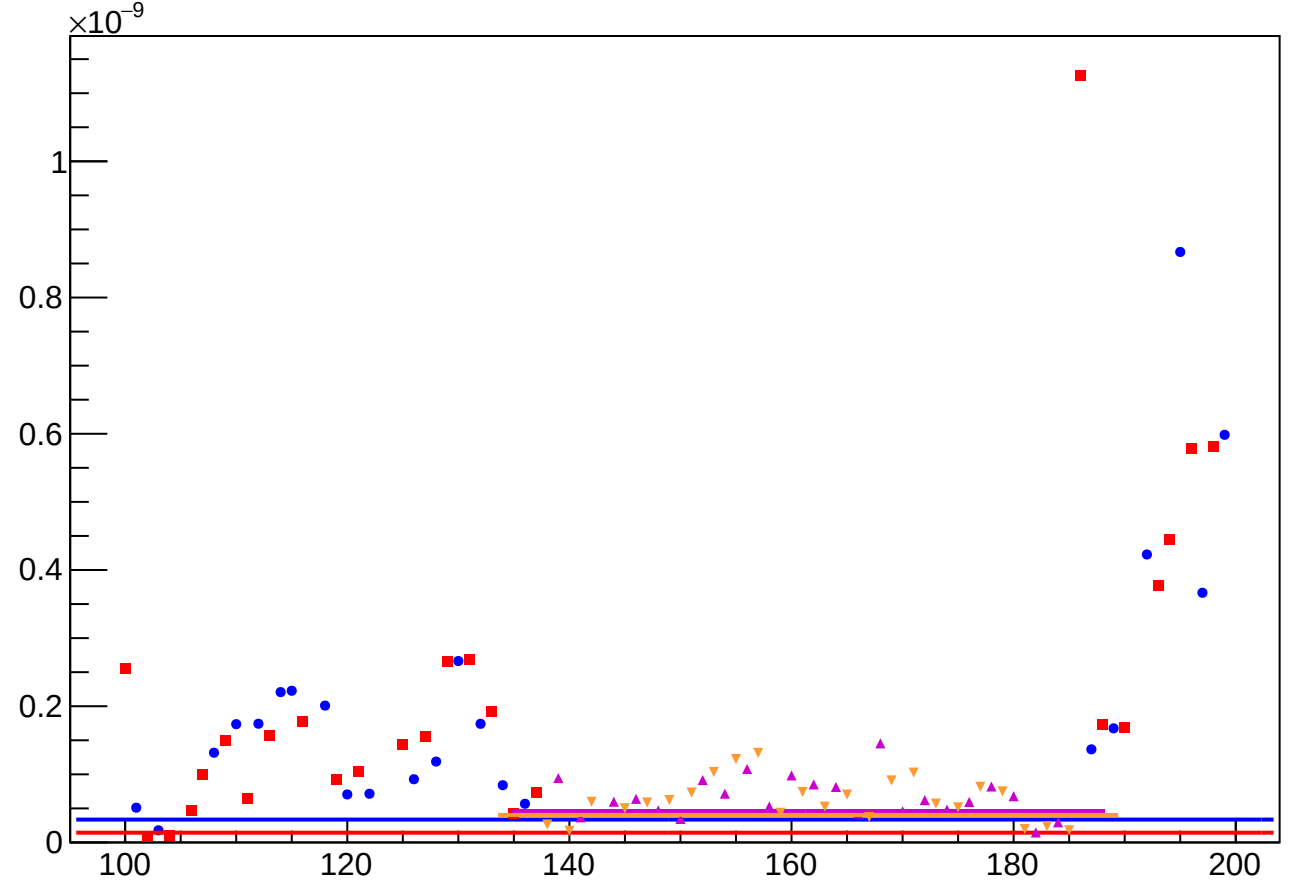
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

\+ sign 3100.722+/-0.429 χ^2/NDF: 7480031.5/45

All: 3078.826+/-0.301 χ^2/NDF: 15086960.3/9

\- sign 3057.771+/-0.421 χ^2/NDF: 7601829.3/47


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 16.2/21
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: 61.5/45
All: -0.000+/-0.000 χ²/NDF: 111.3/93
- sign -0.000+/-0.000 χ²/NDF: 49.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 6144298.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

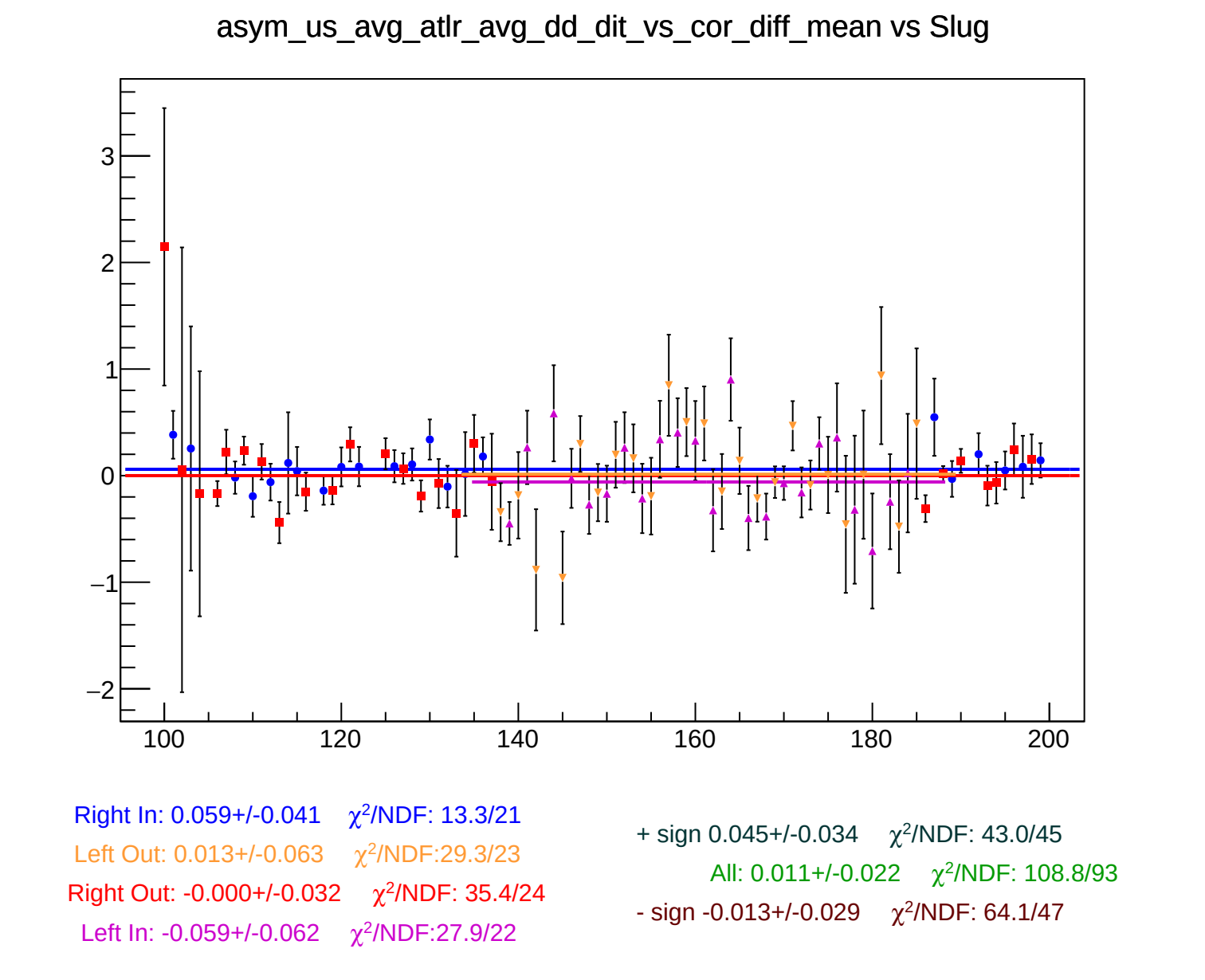
Right Out: 0.000+/-0.000 χ^2/NDF: 7673489.9/24

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9671071.4/45

All: 0.000+/-0.000 χ^2/NDF: 24379840.0/93

- sign 0.000+/-0.000 χ^2/NDF: 13859437.8/47


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
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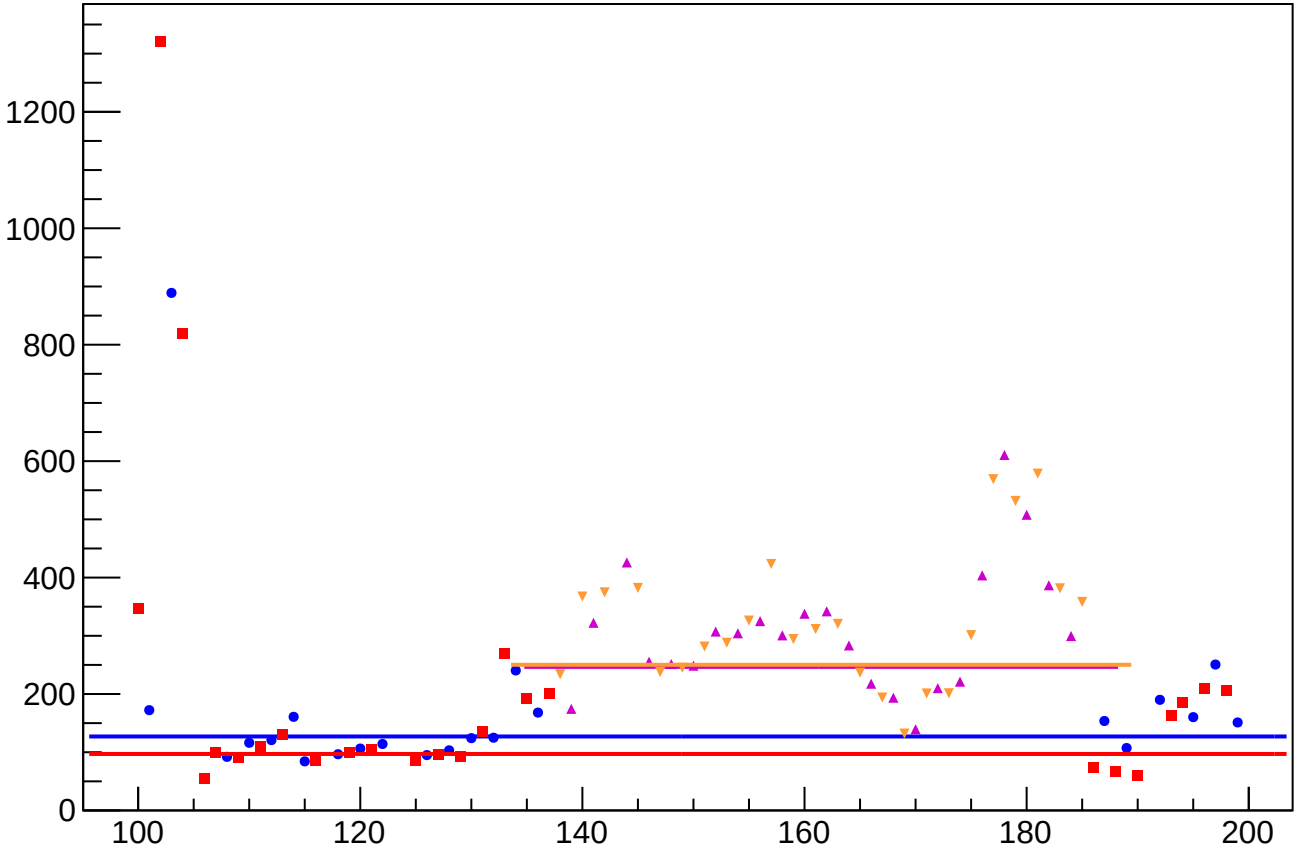
140
160
180
200
Right In: 0.059+/-0.041 χ²/NDF: 13.3/21
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.000+/-0.032 χ²/NDF: 35.4/24
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.045+/-0.034 χ²/NDF: 43.0/45
All: 0.011+/-0.022 χ²/NDF: 108.8/93
- sign -0.013+/-0.029 χ²/NDF: 64.1/47

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 127.081+/-0.029 χ^2/NDF: 2429795.5/21

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

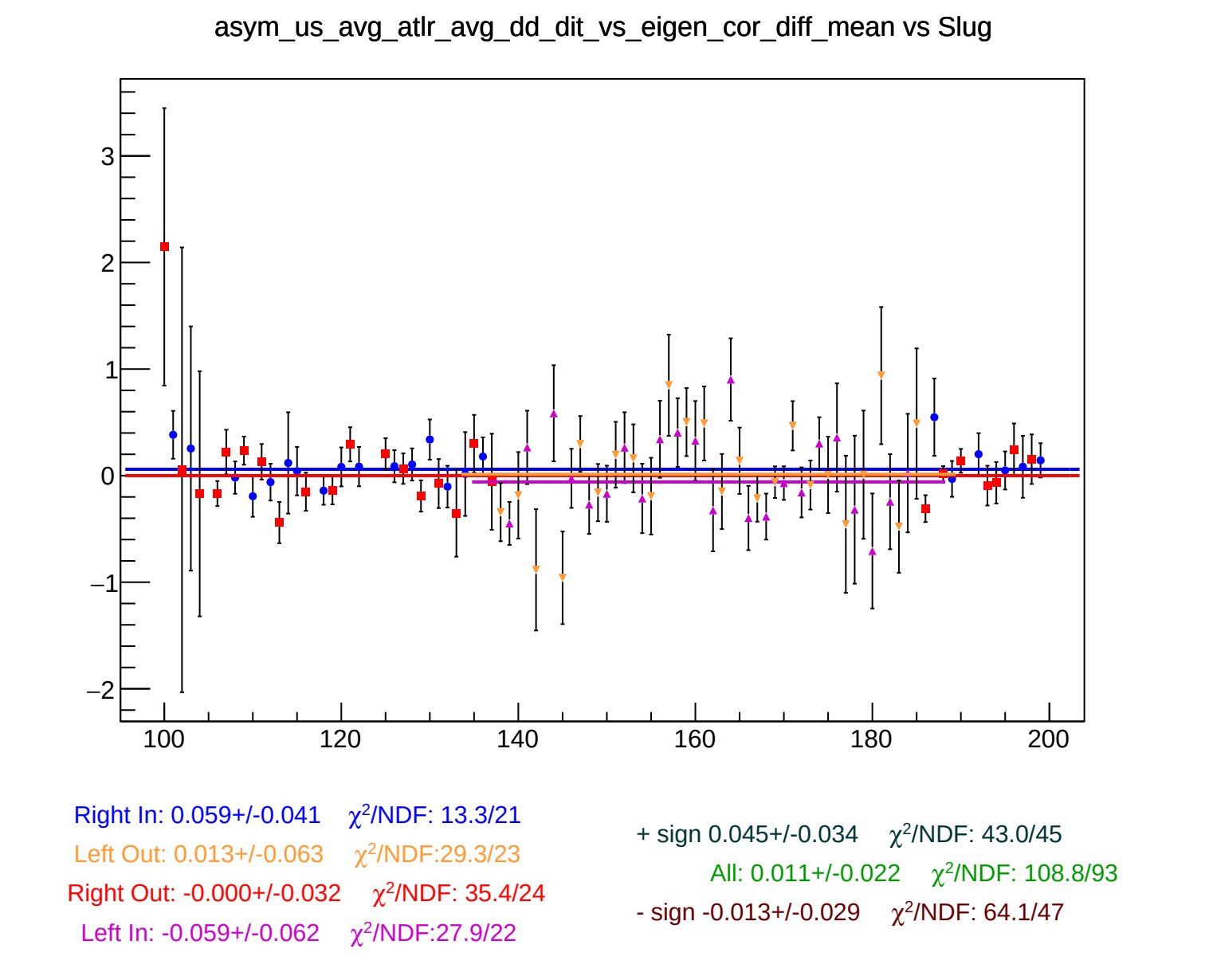
Right Out: 97.026+/-0.023 χ^2/NDF: 4818252.6/24

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.745+/-0.024 χ^2/NDF: 12150248.1/45

All: 143.422+/-0.016 χ^2/NDF: 31066992.6/93

- 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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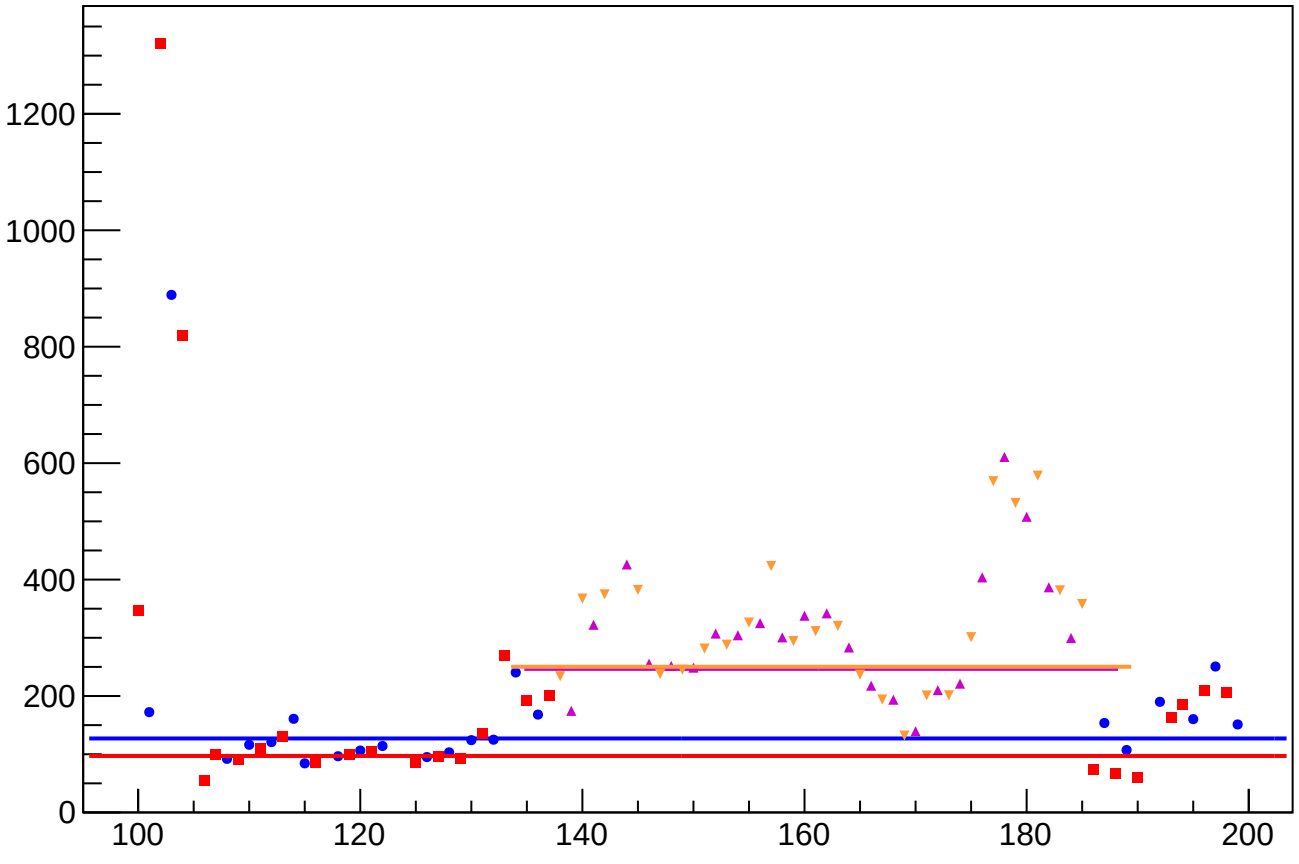
Right In: 0.059+/-0.041 χ²/NDF: 13.3/21
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.000+/-0.032 χ²/NDF: 35.4/24
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.045+/-0.034 χ²/NDF: 43.0/45
All: 0.011+/-0.022 χ²/NDF: 108.8/93
- sign -0.013+/-0.029 χ²/NDF: 64.1/47



Right In: 127.081+/-0.029 χ^2/NDF: 2429795.5/21

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

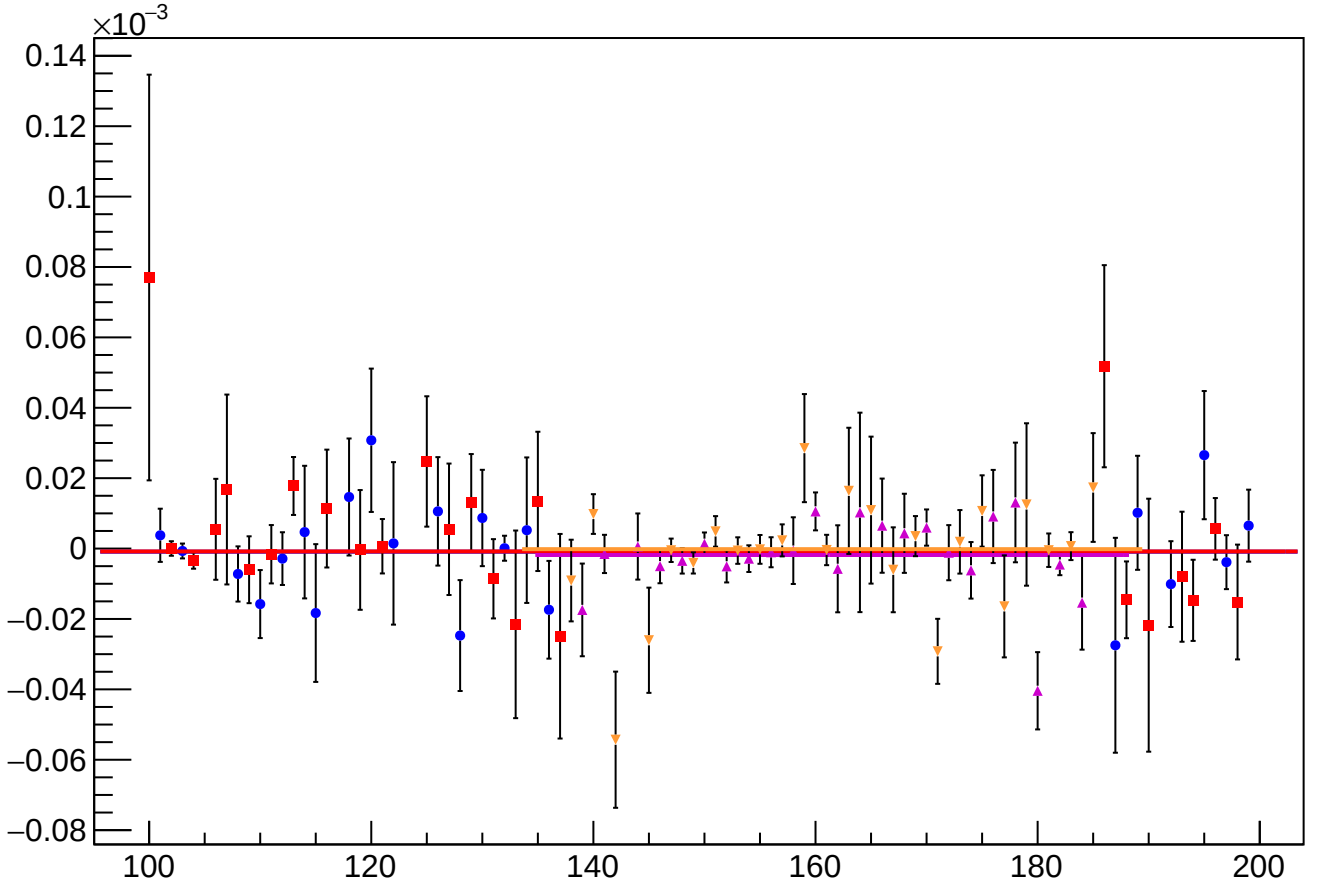
Right Out: 97.026+/-0.023 χ^2/NDF: 4818252.6/24

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.745+/-0.024 χ^2/NDF: 12150248.1/45

All: 143.422+/-0.016 χ^2/NDF: 31066992.6/93

- sign 129.201+/-0.020 χ^2/NDF: 17728646.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

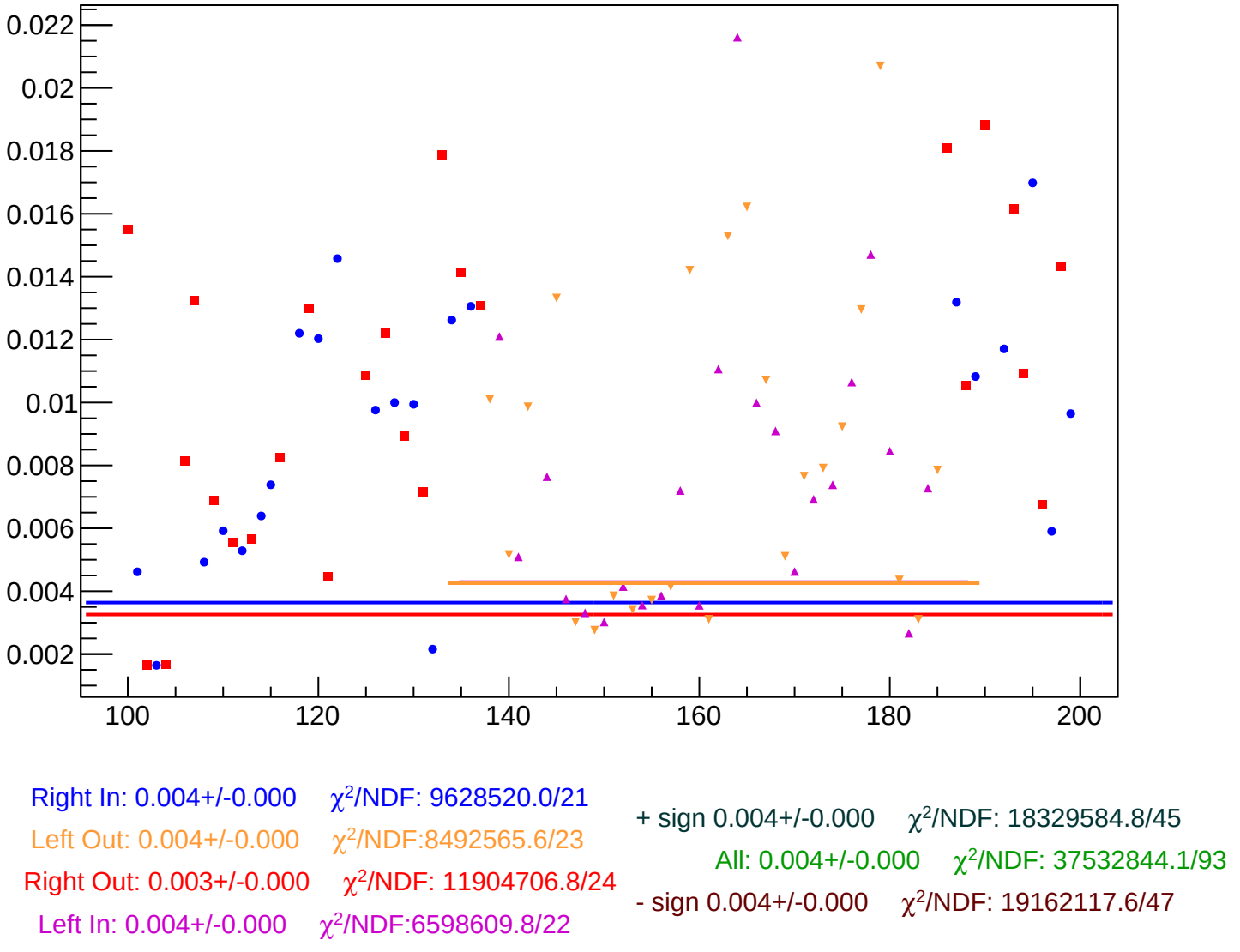
Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/24

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/45

All: -0.000+/-0.000 χ^2/NDF: 107.0/93

- 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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0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
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180
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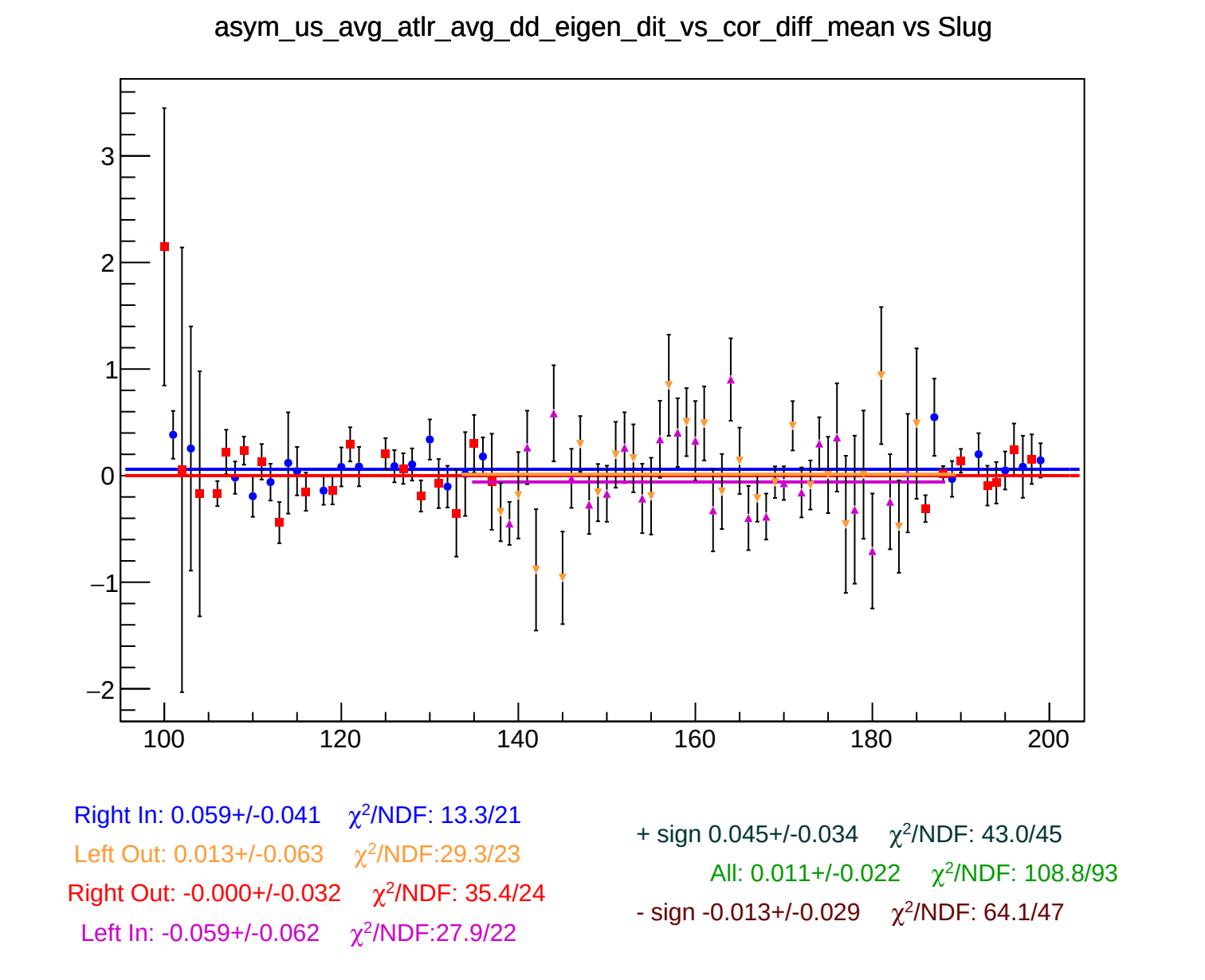
Right In: 0.004+/-0.000 χ²/NDF: 9628520.0/21
Left Out: 0.004+/-0.000 χ²/NDF:8492565.6/23
Right Out: 0.003+/-0.000 χ²/NDF: 11904706.8/24
Left In: 0.004+/-0.000 χ²/NDF:6598609.8/22
+ sign 0.004+/-0.000 χ²/NDF: 18329584.8/45
All: 0.004+/-0.000 χ²/NDF: 37532844.1/93
- sign 0.004+/-0.000 χ²/NDF: 19162117.6/47


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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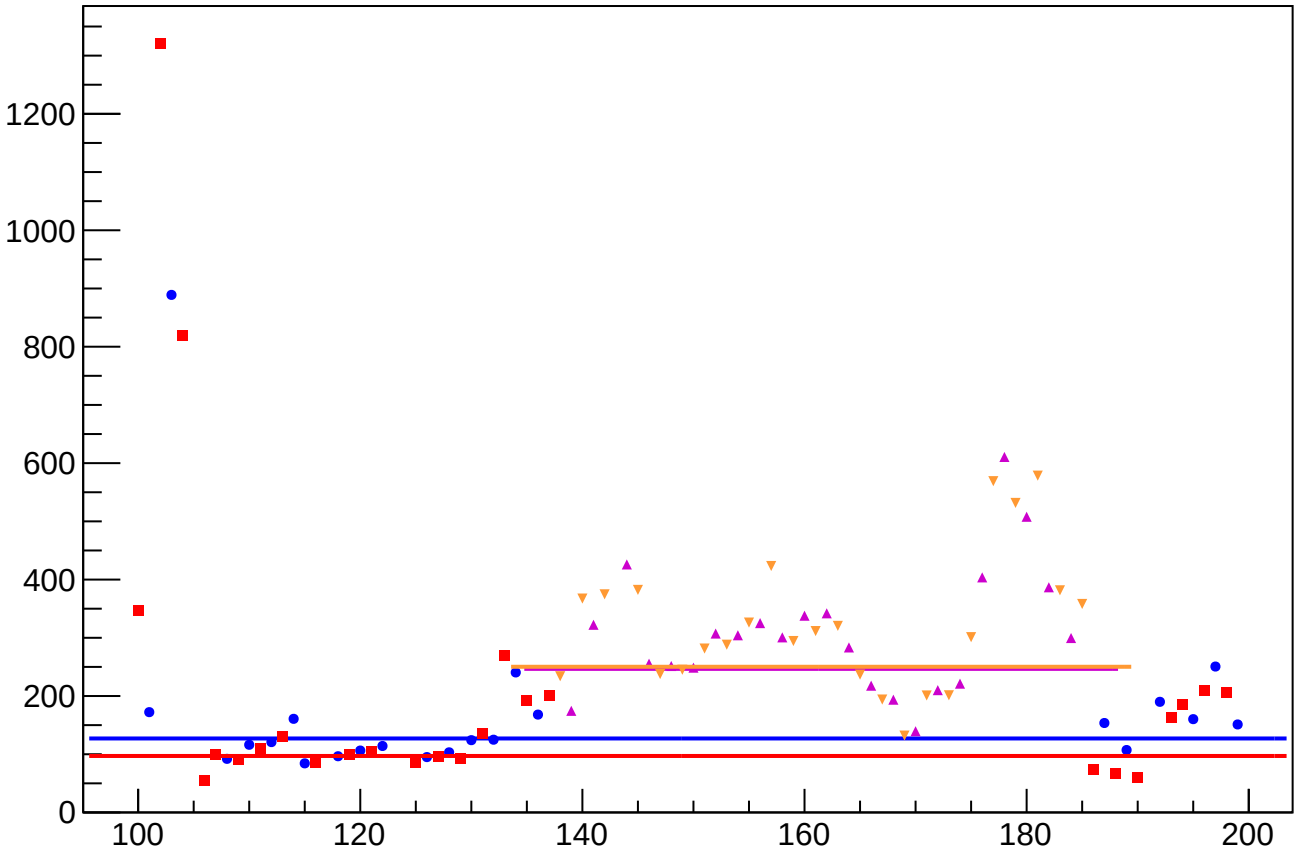
Right In: 0.059+/-0.041 χ²/NDF: 13.3/21
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.000+/-0.032 χ²/NDF: 35.4/24
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.045+/-0.034 χ²/NDF: 43.0/45
All: 0.011+/-0.022 χ²/NDF: 108.8/93
- sign -0.013+/-0.029 χ²/NDF: 64.1/47



Right In: 127.080+/-0.029 χ^2/NDF: 2429813.2/21

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

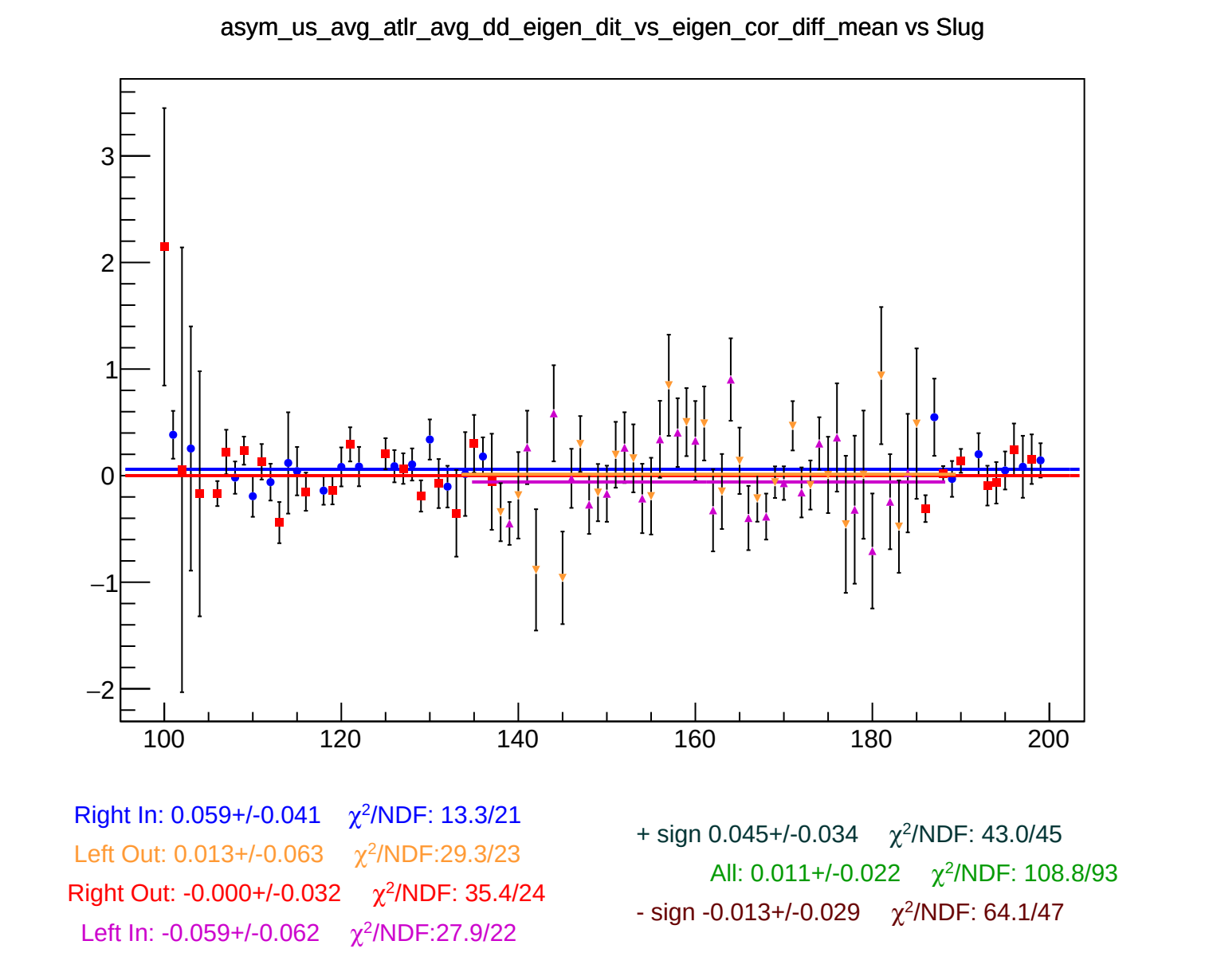
Right Out: 97.022+/-0.023 χ^2/NDF: 4818697.7/24

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.744+/-0.024 χ^2/NDF: 12150508.9/45

All: 143.418+/-0.016 χ^2/NDF: 31068893.5/93

- 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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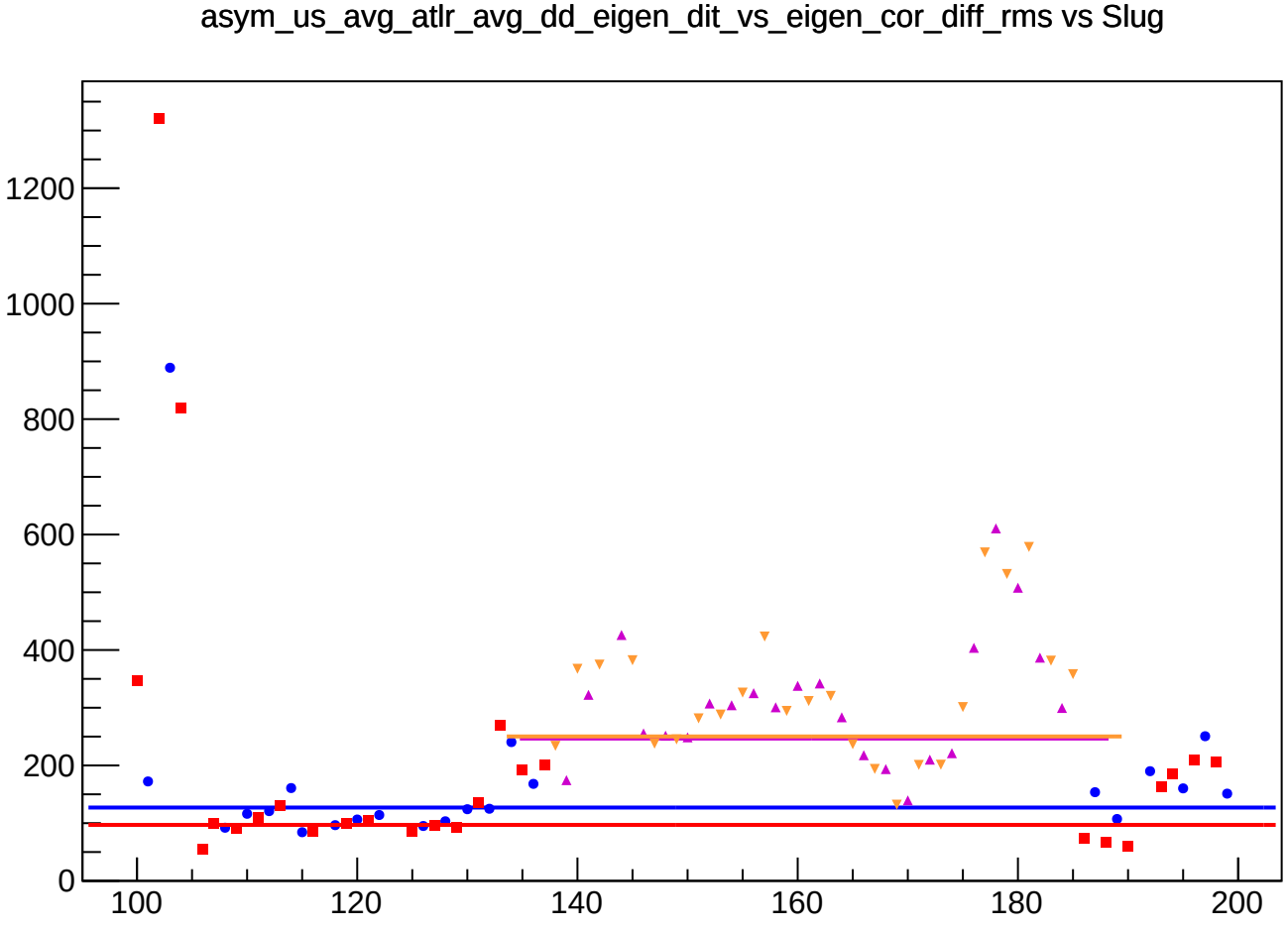
Right In: 0.059+/-0.041 χ²/NDF: 13.3/21
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.000+/-0.032 χ²/NDF: 35.4/24
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.045+/-0.034 χ²/NDF: 43.0/45
All: 0.011+/-0.022 χ²/NDF: 108.8/93
- sign -0.013+/-0.029 χ²/NDF: 64.1/47



Right In: 127.080+/-0.029 χ^2/NDF: 2429813.2/21

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

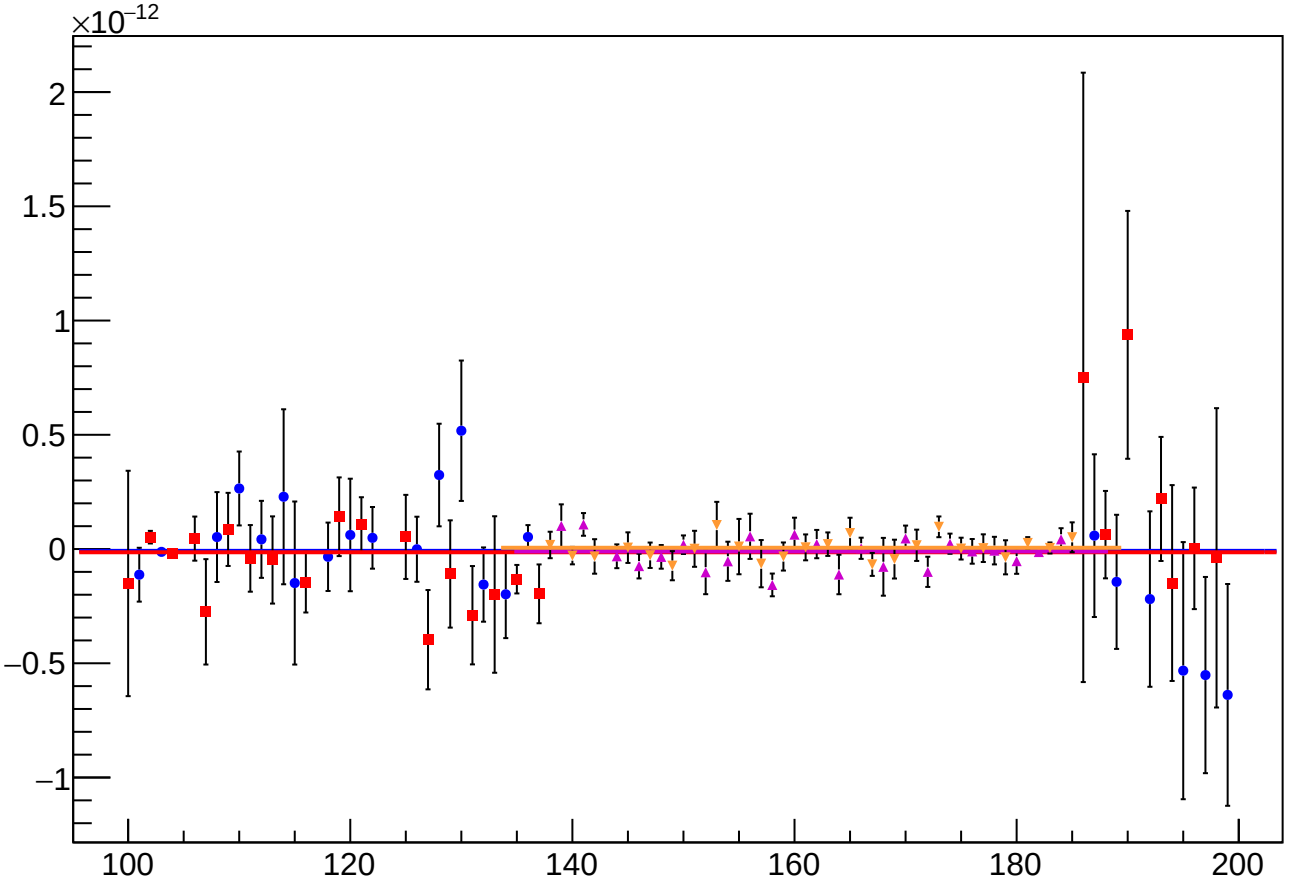
Right Out: 97.022+/-0.023 χ^2/NDF: 4818697.7/24

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.744+/-0.024 χ^2/NDF: 12150508.9/45

All: 143.418+/-0.016 χ^2/NDF: 31068893.5/93

- sign 129.195+/-0.020 χ^2/NDF: 17729945.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

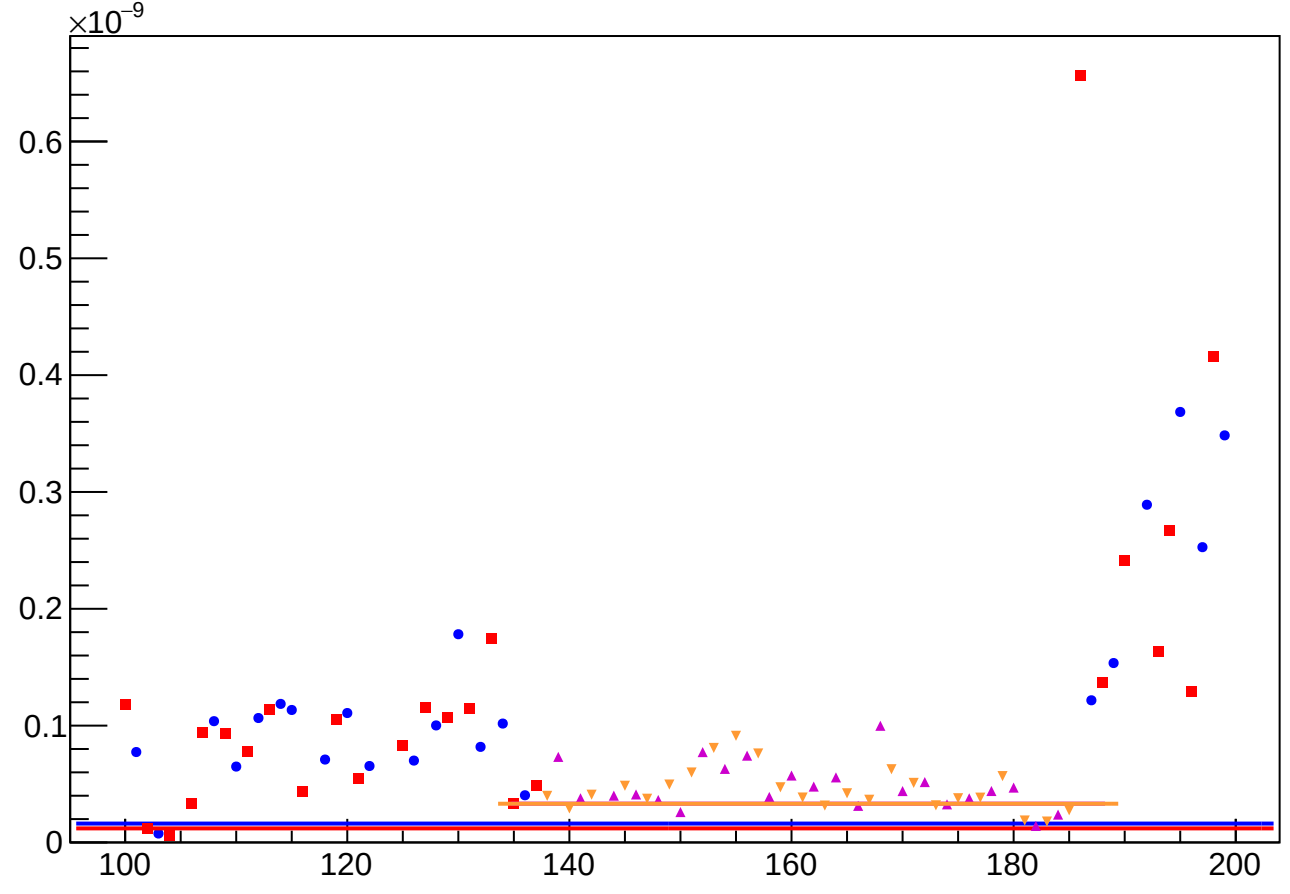
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/24

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.3/45

All: -0.000+/-0.000 χ^2/NDF: 87.8/93

- sign -0.000+/-0.000 χ^2/NDF: 54.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 9866214.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10042341.4/24

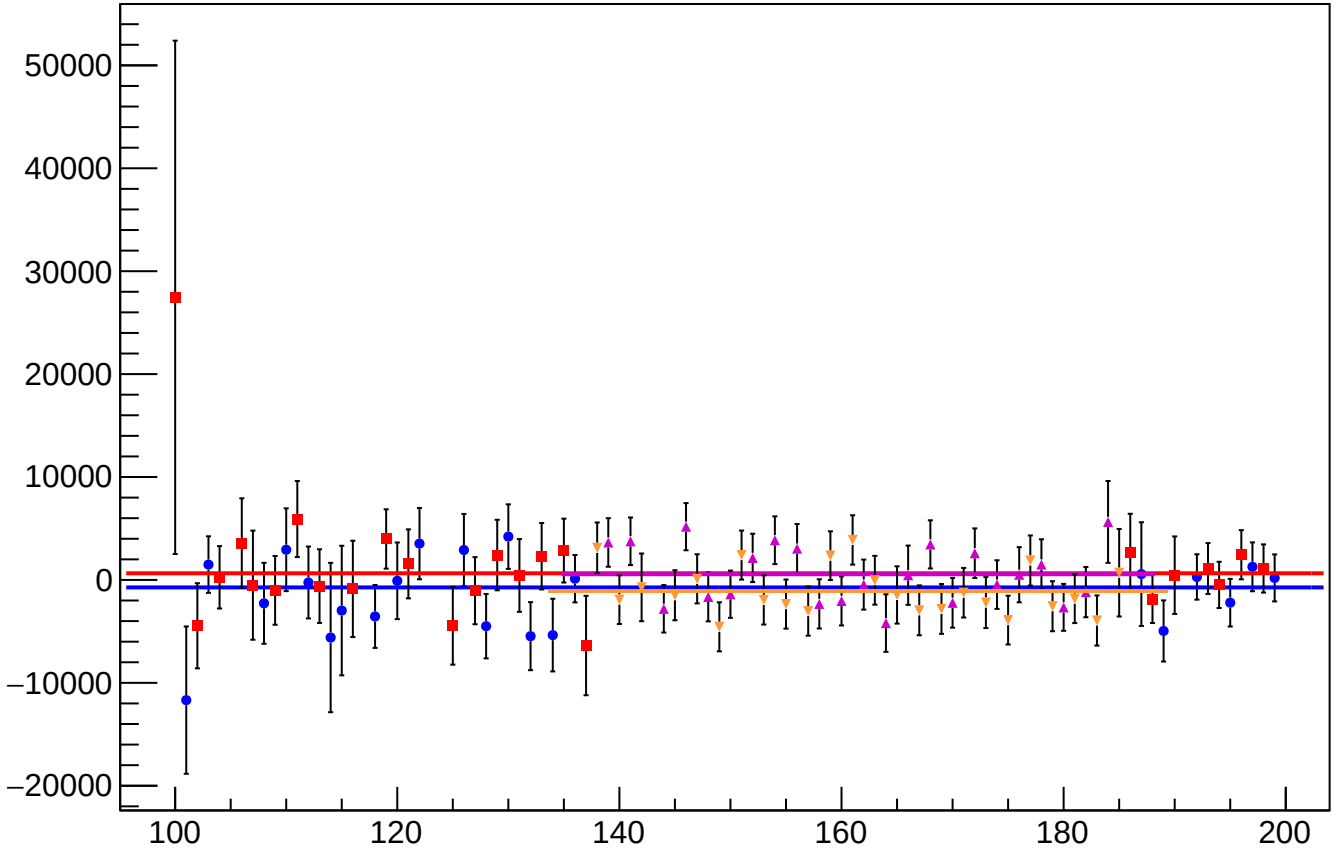
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16078829.0/45

All: 0.000+/-0.000 χ^2/NDF: 35777712.2/93

- sign 0.000+/-0.000 χ^2/NDF: 19404176.0/47

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -727.412+/-670.015 χ^2/NDF: 19.5/21

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 645.944+/-649.530 χ^2/NDF: 14.7/24

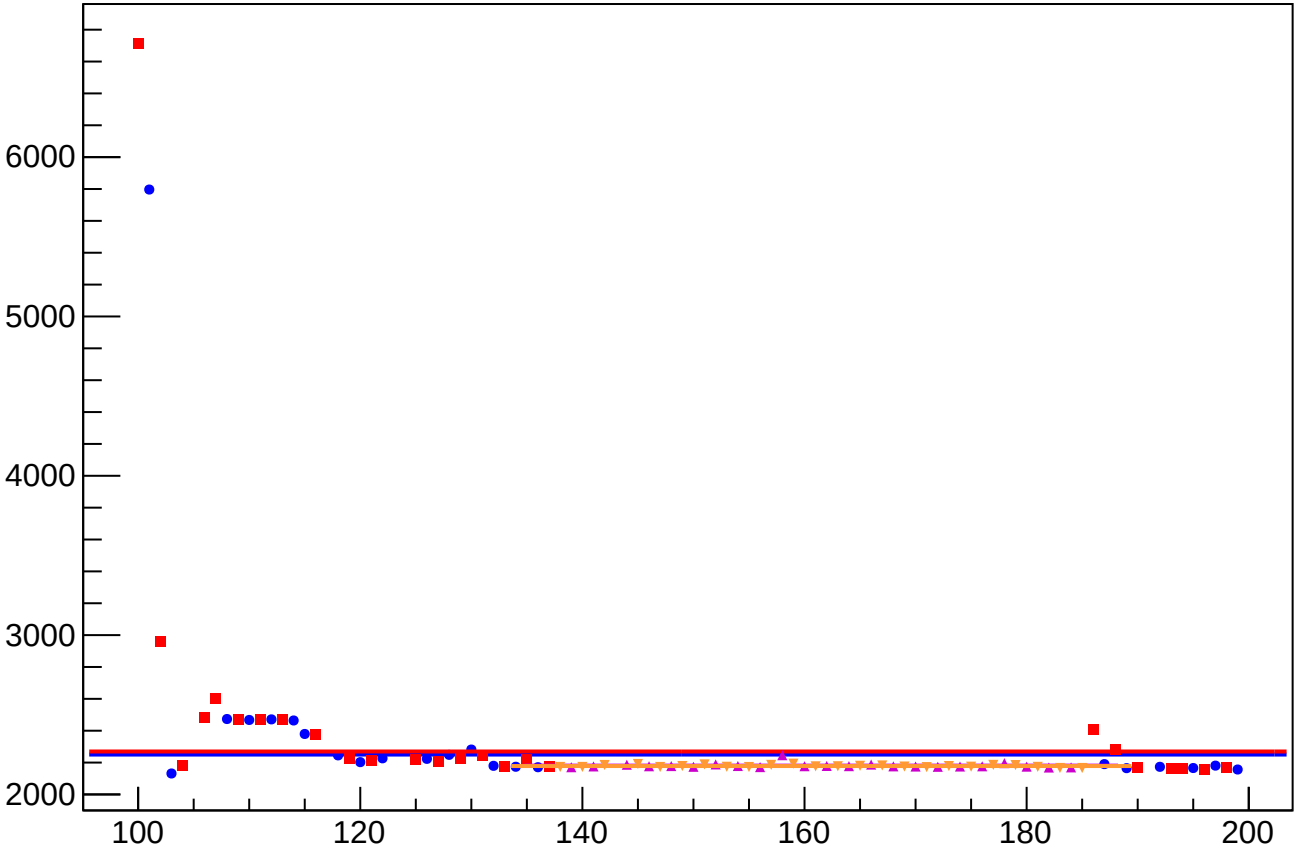
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -947.544+/-403.552 χ^2/NDF: 41.2/45

All: -172.949+/-284.355 χ^2/NDF: 91.9/93

- sign 590.889+/-400.740 χ^2/NDF: 43.4/47

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.5/21

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

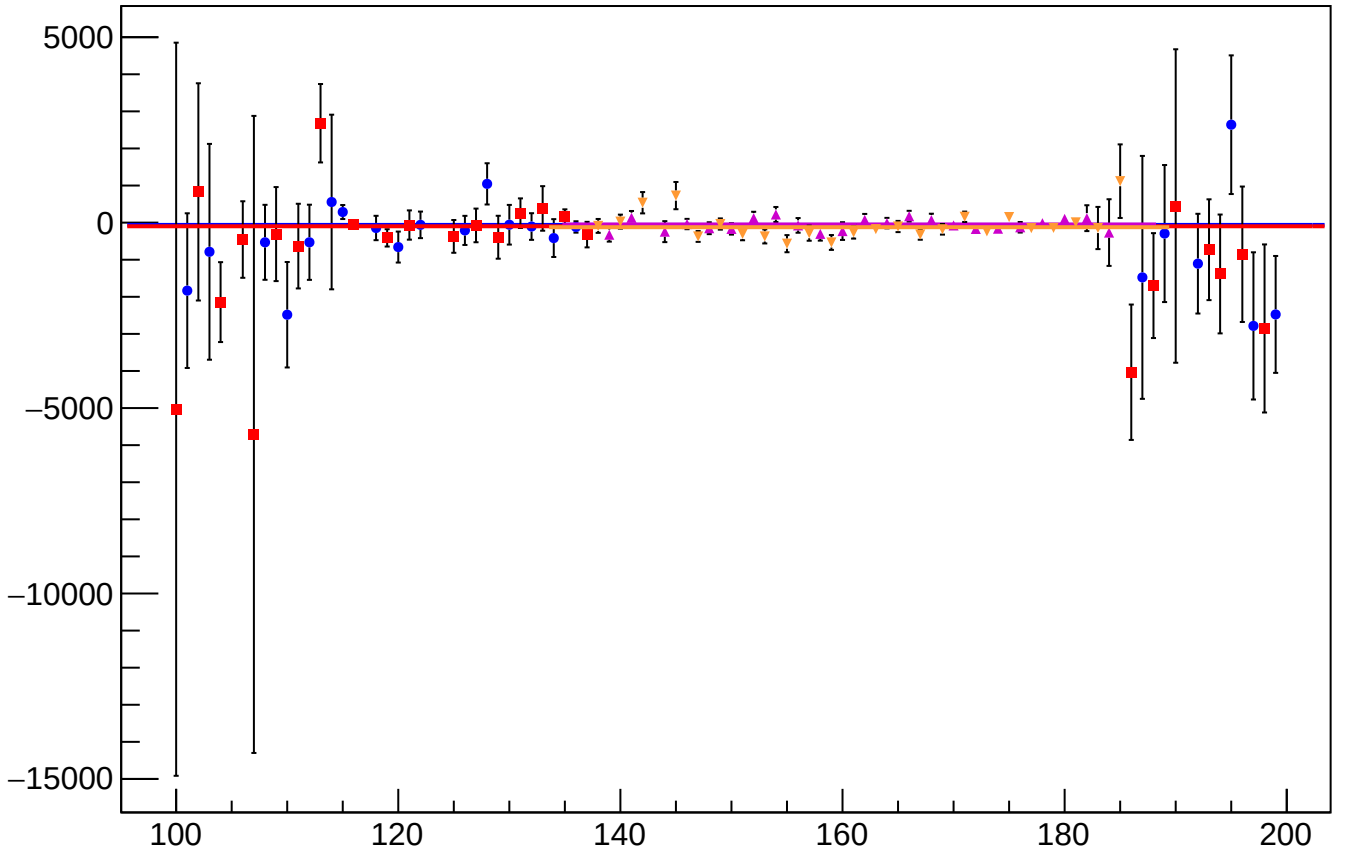
Right Out: 2269.577+/-0.459 χ^2/NDF: 179584.1/24

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2204.390+/-0.285 χ^2/NDF: 549745.4/45

All: 2209.564+/-0.201 χ^2/NDF: 754927.3/93

- sign 2214.667+/-0.283 χ^2/NDF: 204528.9/47



Right In: -61.712+/-90.215 χ^2/NDF: 21.5/21

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

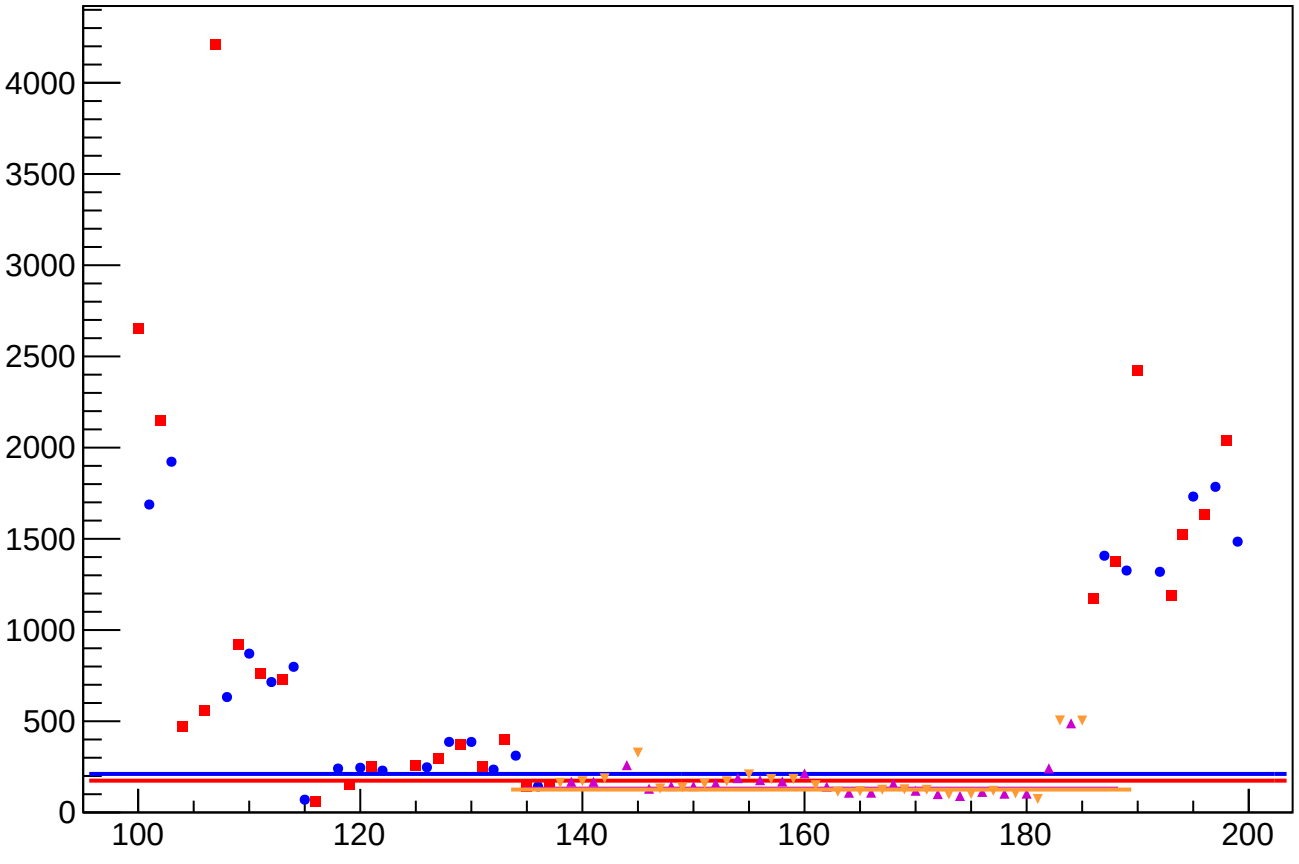
Right Out: -98.338+/-81.753 χ^2/NDF: 26.2/24

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -116.381+/-29.662 χ^2/NDF: 65.7/45

All: -87.205+/-21.175 χ^2/NDF: 112.4/93

- sign -56.886+/-30.237 χ^2/NDF: 44.7/47



Right In: 211.206+/-0.064 χ^2/NDF: 11400274.2/21

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 174.367+/-0.058 χ^2/NDF: 14037699.3/24

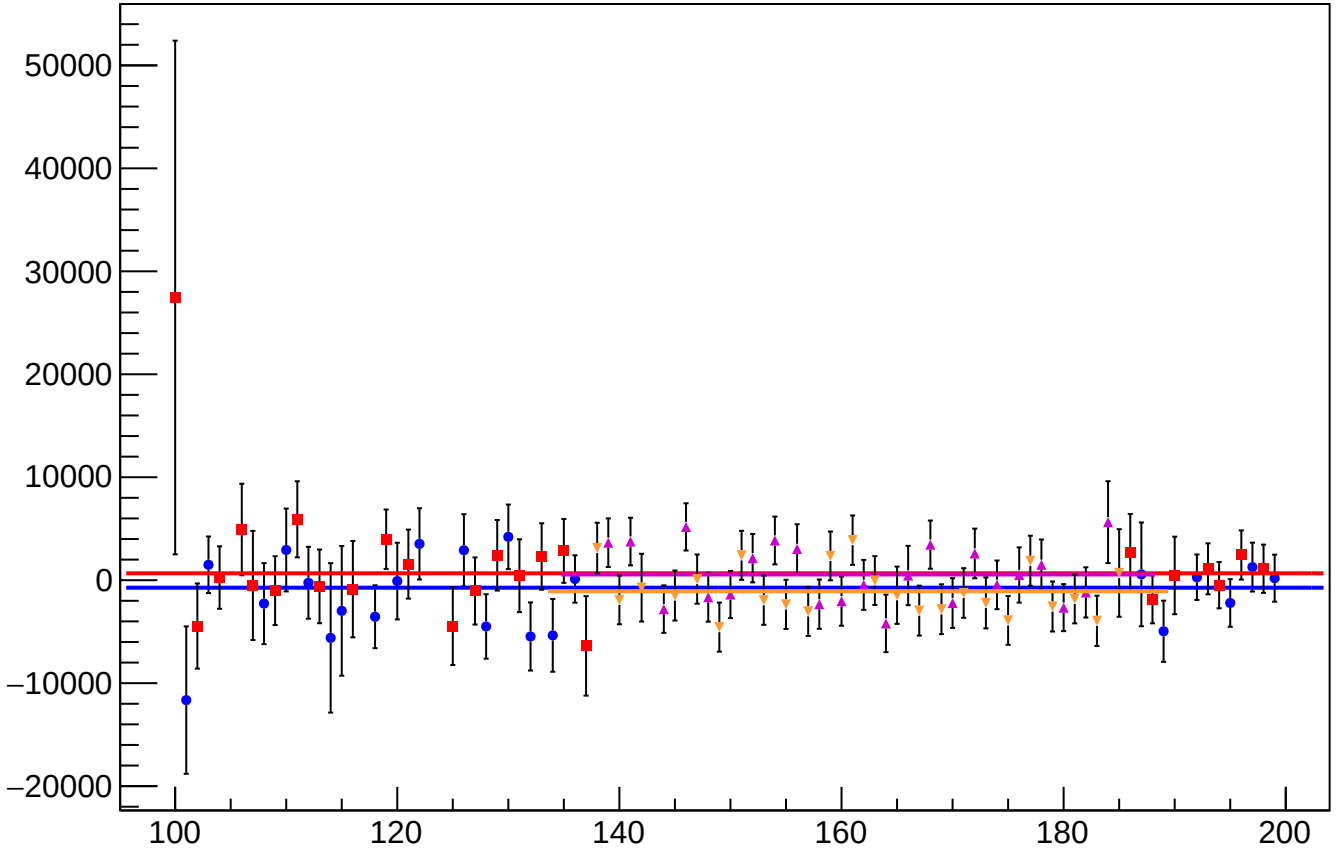
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 134.771+/-0.021 χ^2/NDF: 16952700.3/45

All: 135.592+/-0.015 χ^2/NDF: 34171731.6/93

- sign 136.446+/-0.021 χ^2/NDF: 17215903.1/47

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -726.841+/-670.016 χ^2/NDF: 19.5/21

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 672.127+/-649.831 χ^2/NDF: 15.2/24

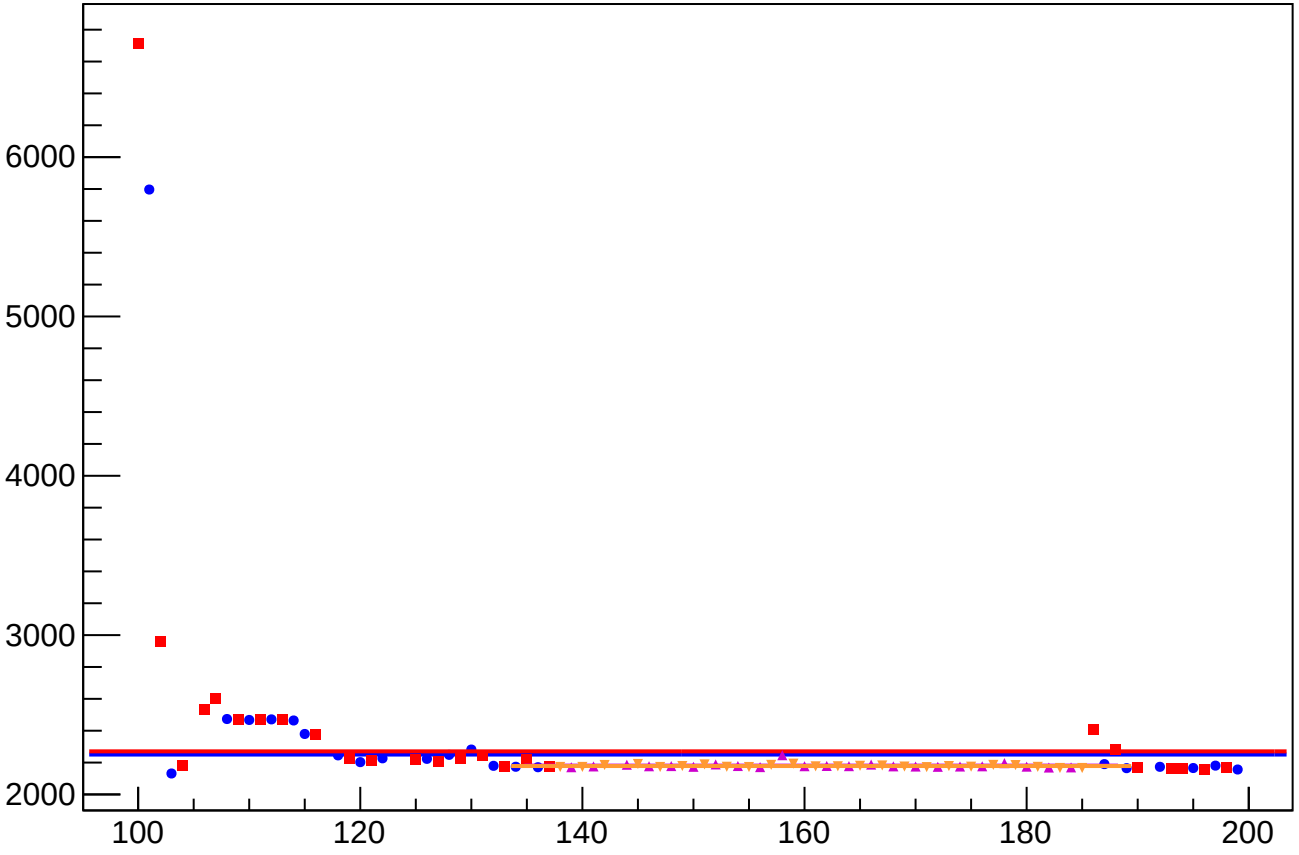
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -947.294+/-403.552 χ^2/NDF: 41.2/45

All: -167.947+/-284.380 χ^2/NDF: 92.5/93

- sign 600.847+/-400.811 χ^2/NDF: 43.9/47

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.8/21

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

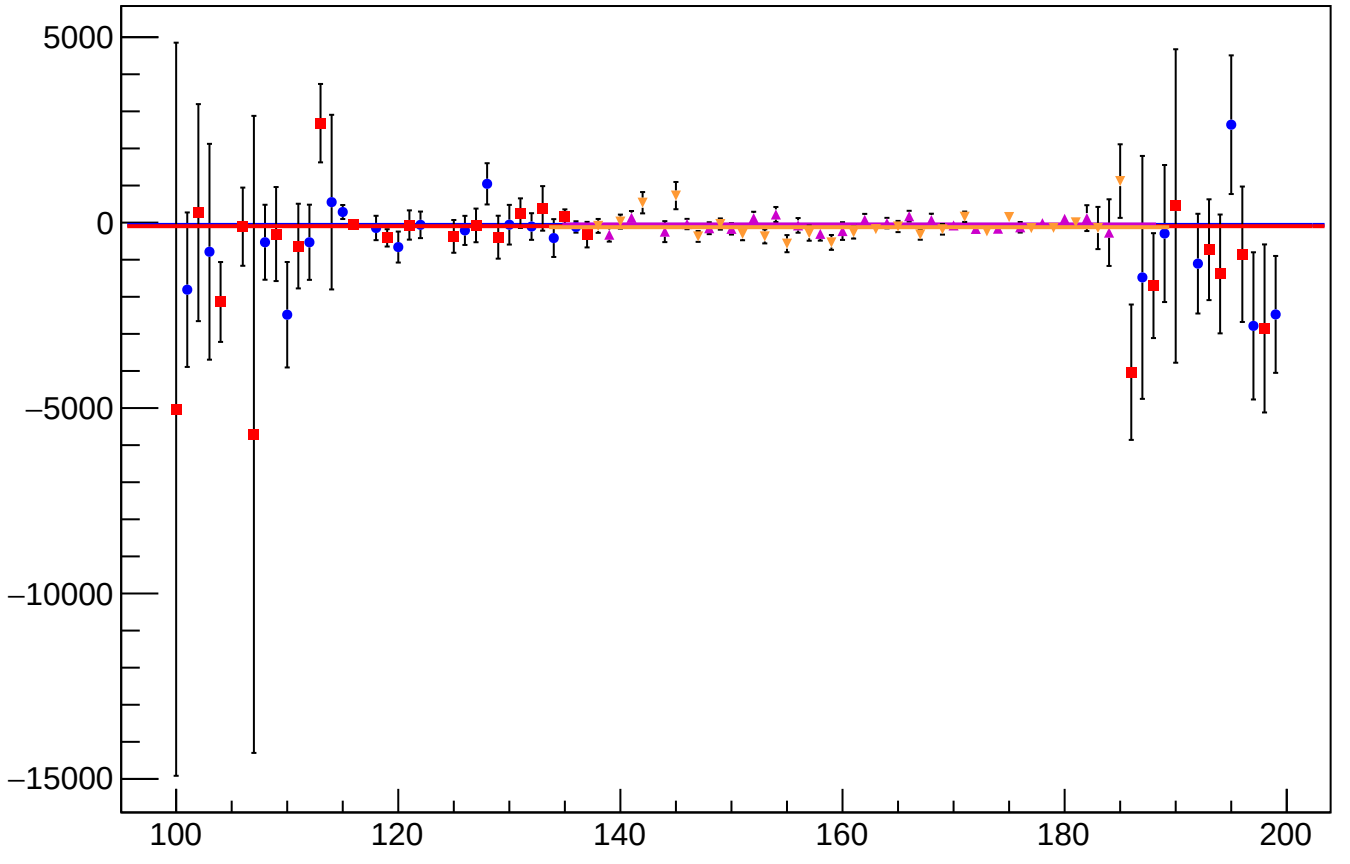
Right Out: 2270.463+/-0.459 χ^2/NDF: 181840.2/24

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2204.390+/-0.285 χ^2/NDF: 549745.7/45

All: 2209.723+/-0.201 χ^2/NDF: 757674.7/93

- sign 2214.985+/-0.283 χ^2/NDF: 207235.1/47



Right In: -61.746+/-90.221 χ^2/NDF: 21.5/21

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

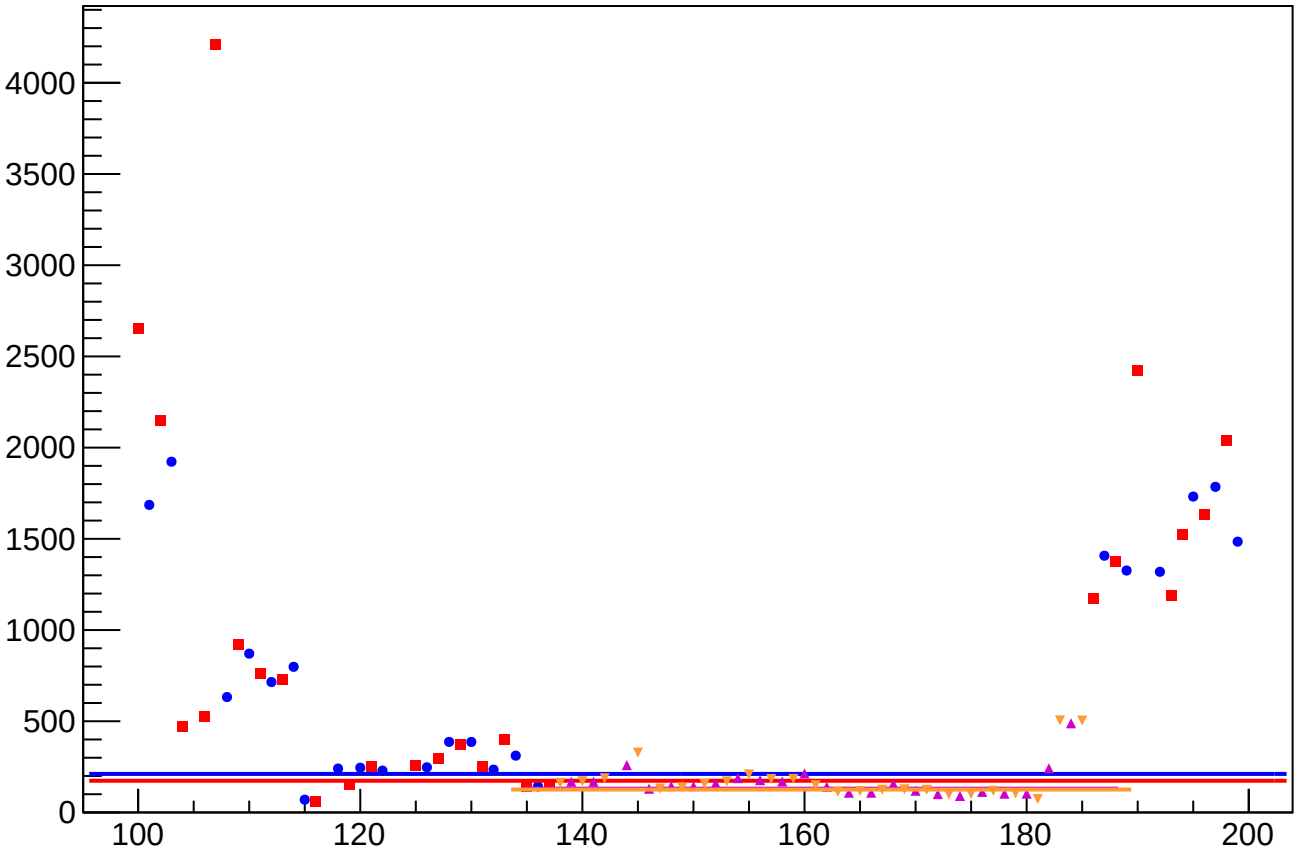
Right Out: -96.333+/-81.693 χ^2/NDF: 26.0/24

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.315+/-29.662 χ^2/NDF: 65.7/45

All: -86.995+/-21.174 χ^2/NDF: 112.2/93

- sign -56.528+/-30.237 χ^2/NDF: 44.5/47



Right In: 211.232+/-0.064 χ^2/NDF: 11398910.6/21

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 173.791+/-0.058 χ^2/NDF: 13998653.4/24

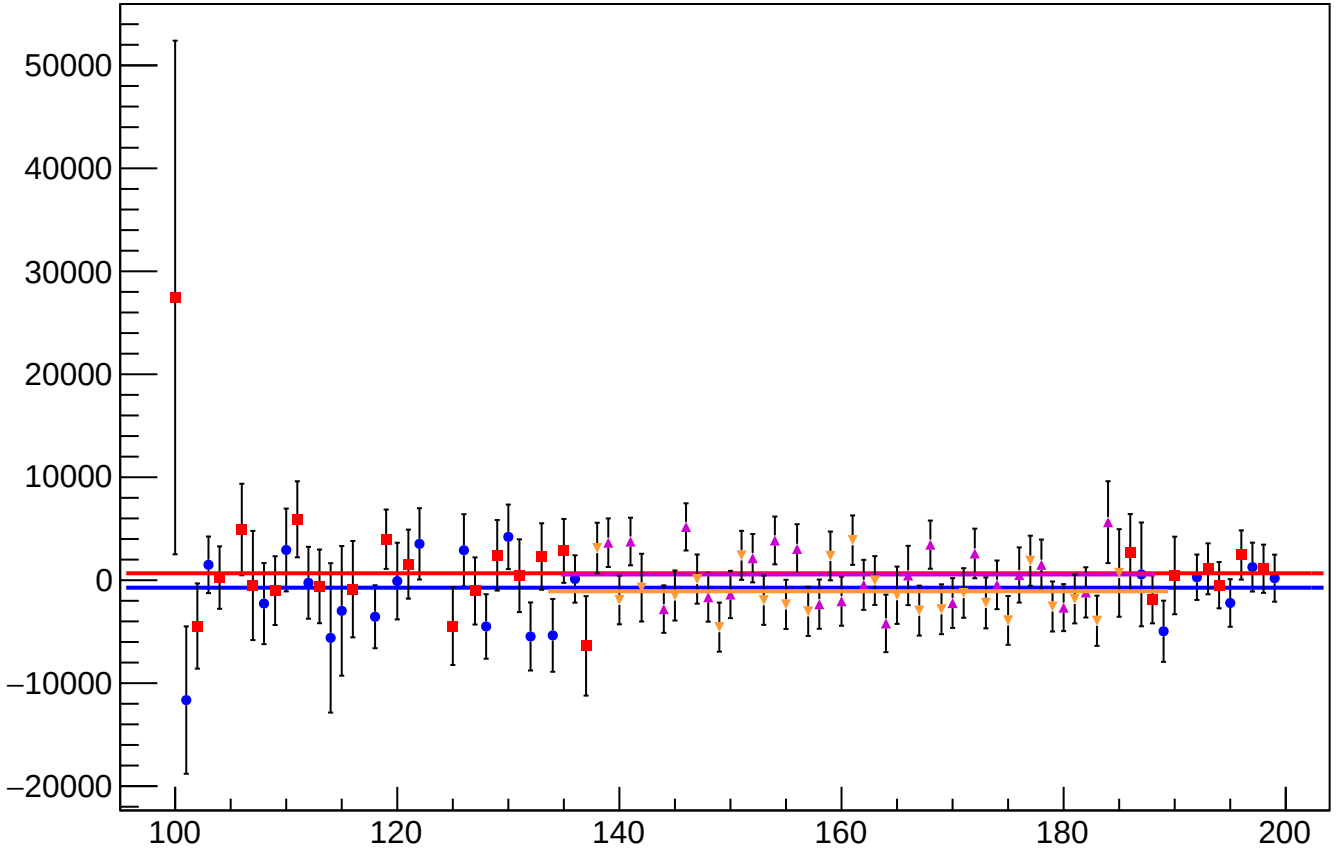
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 134.769+/-0.021 χ^2/NDF: 16953117.5/45

All: 135.563+/-0.015 χ^2/NDF: 34119858.7/93

- sign 136.388+/-0.021 χ^2/NDF: 17163818.5/47

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -726.841+/-670.016 χ^2/NDF: 19.5/21

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 672.127+/-649.831 χ^2/NDF: 15.2/24

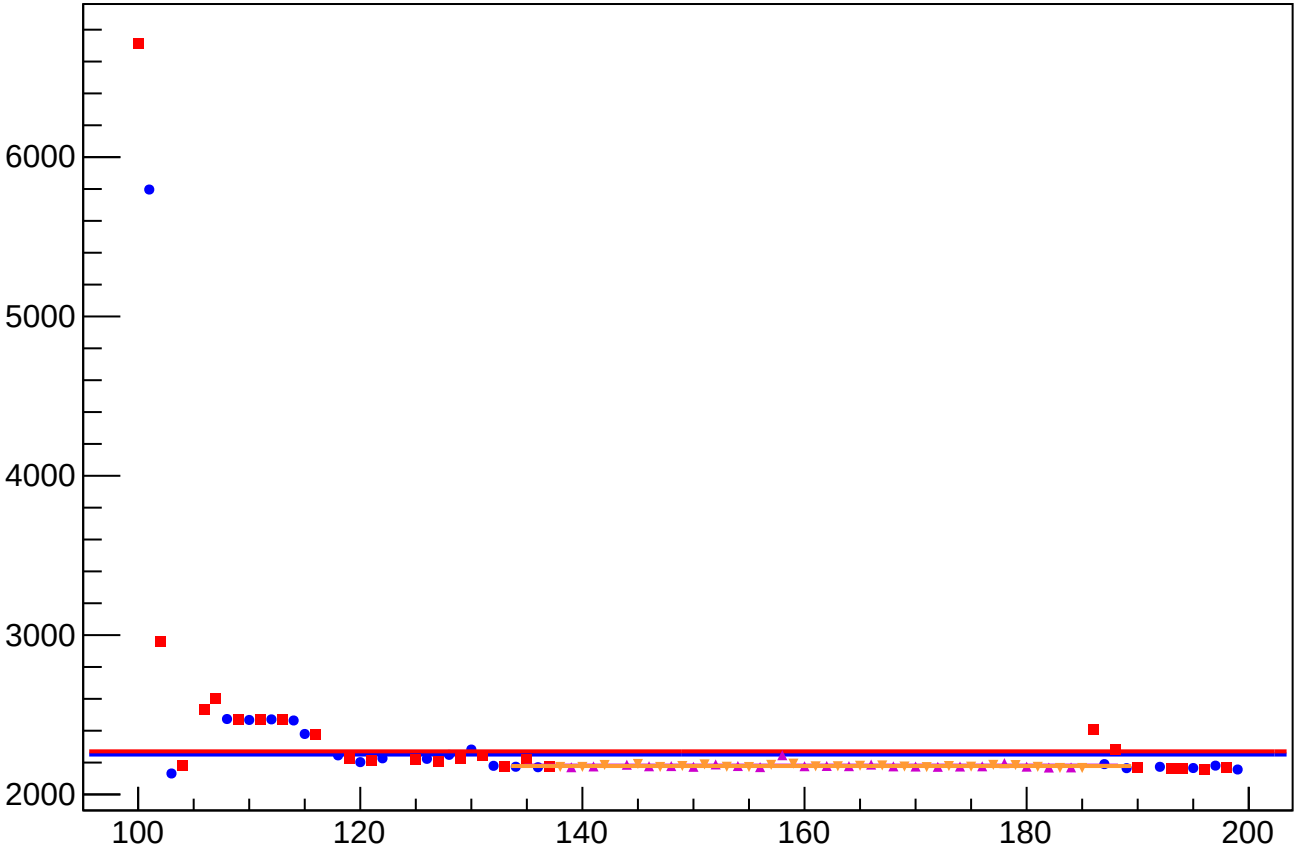
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -947.294+/-403.552 χ^2/NDF: 41.2/45

All: -167.947+/-284.380 χ^2/NDF: 92.5/93

- sign 600.847+/-400.811 χ^2/NDF: 43.9/47

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.8/21

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2270.463+/-0.459 χ^2/NDF: 181840.2/24

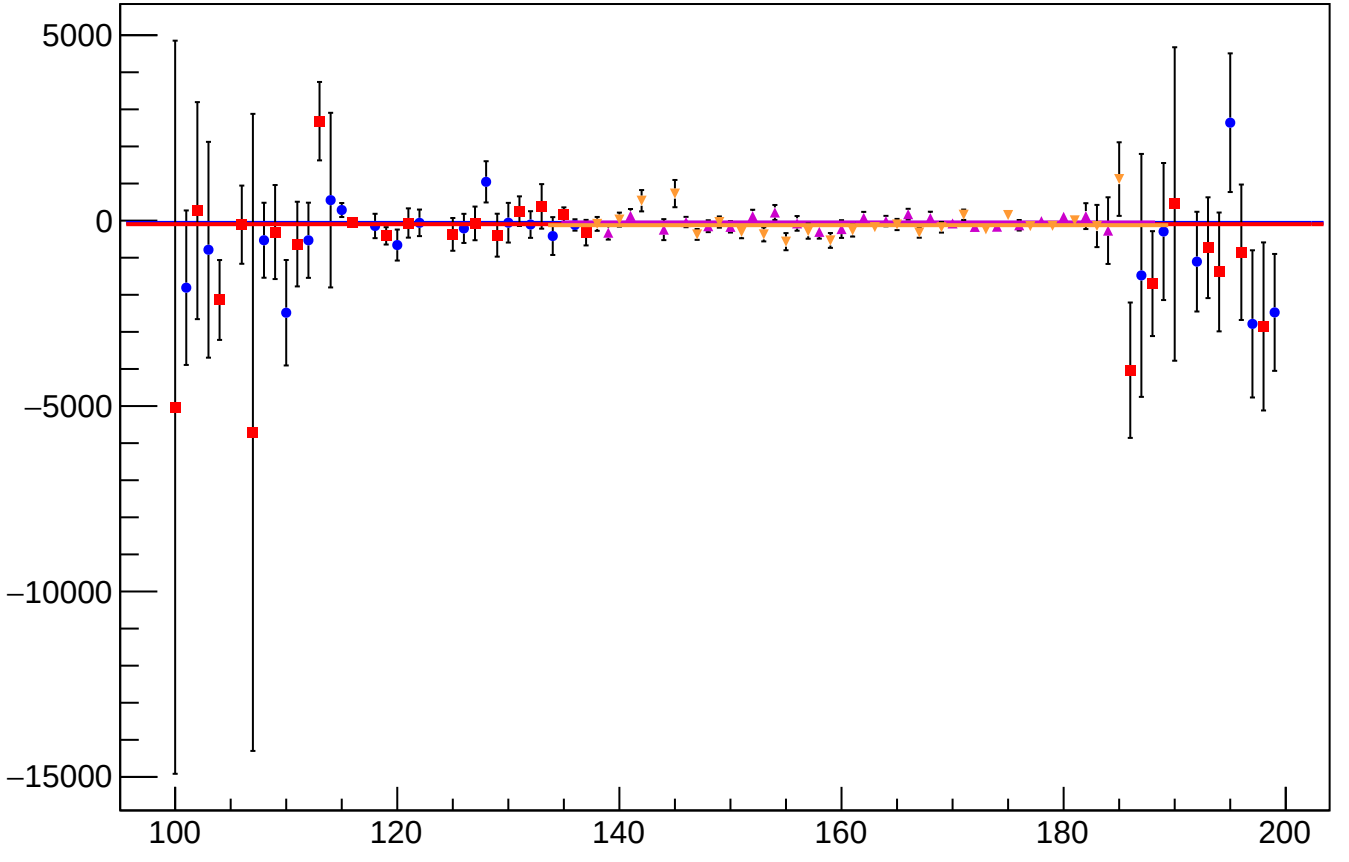
Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2204.390+/-0.285 χ^2/NDF: 549745.7/45

All: 2209.723+/-0.201 χ^2/NDF: 757674.7/93

- sign 2214.985+/-0.283 χ^2/NDF: 207235.1/47

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug



Right In: -61.746+/-90.221 χ^2/NDF: 21.5/21

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

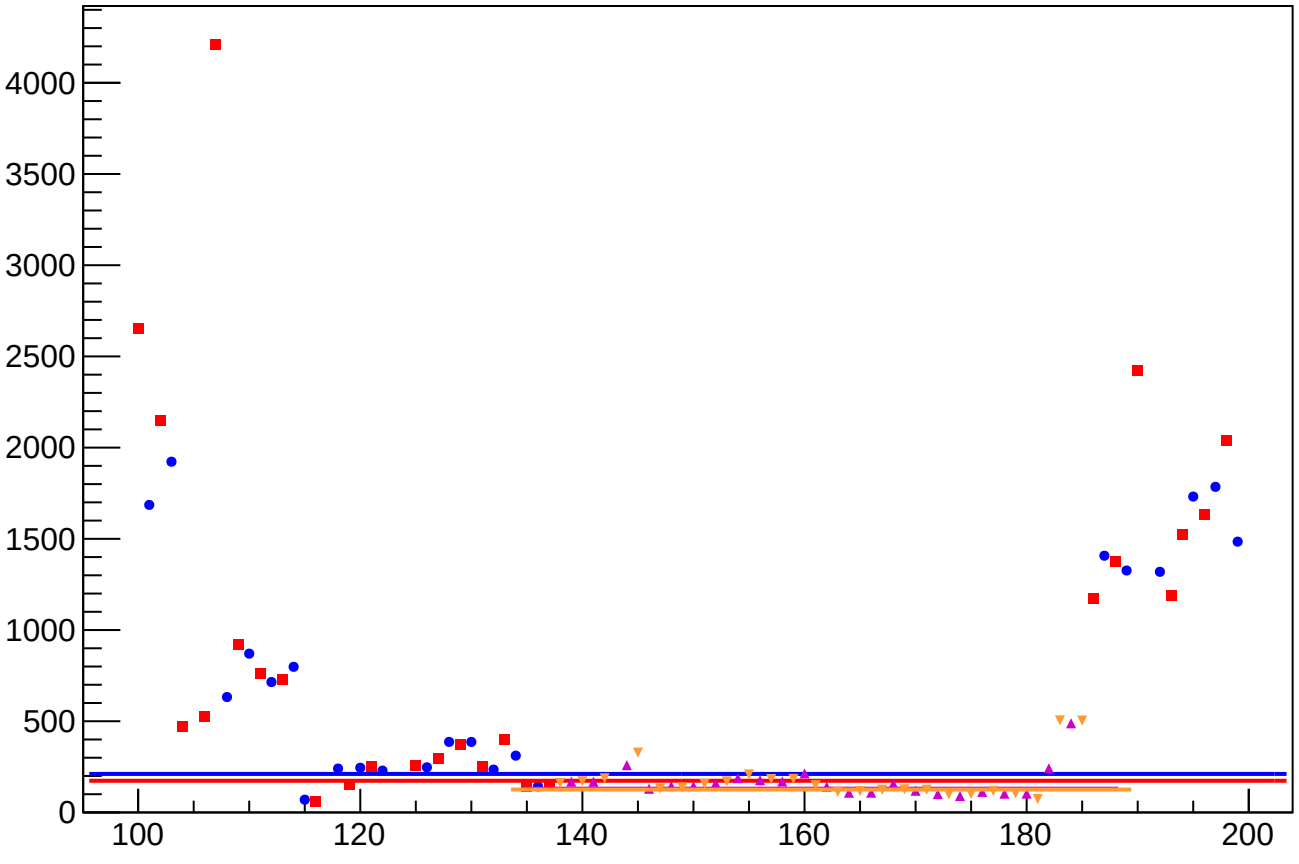
Right Out: -96.333+/-81.693 χ^2/NDF: 26.0/24

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

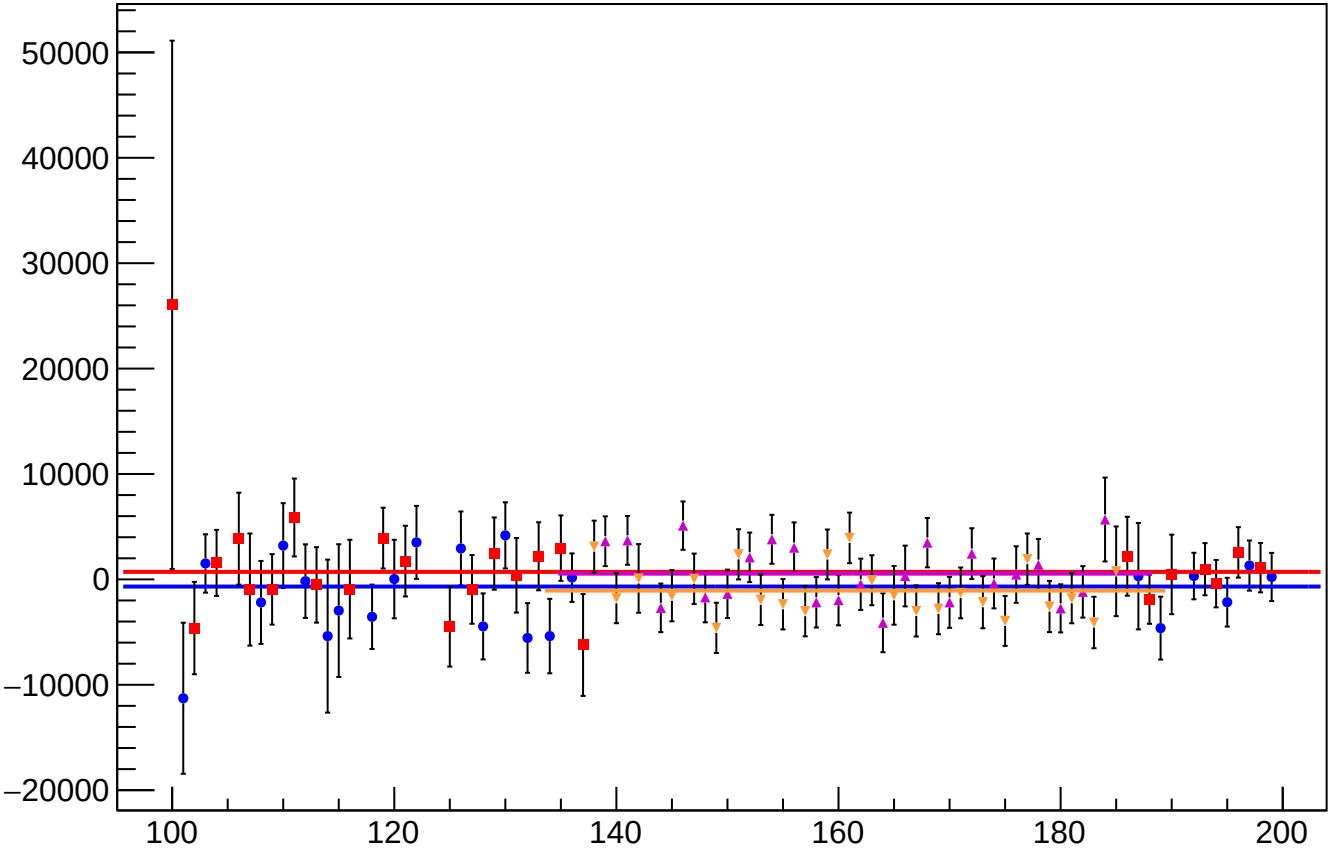
+ sign -116.315+/-29.662 χ^2/NDF: 65.7/45

All: -86.995+/-21.174 χ^2/NDF: 112.2/93

- sign -56.528+/-30.237 χ^2/NDF: 44.5/47


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 211.232+/-0.064 χ²/NDF: 11398910.6/21
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 173.791+/-0.058 χ²/NDF: 13998653.4/24
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
+ sign 134.769+/-0.021 χ²/NDF: 16953117.5/45
All: 135.563+/-0.015 χ²/NDF: 34119858.7/93
- sign 136.388+/-0.021 χ²/NDF: 17163818.5/47

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -679.974+/-670.847 χ^2/NDF: 19.1/21

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 712.560+/-651.934 χ^2/NDF: 14.5/24

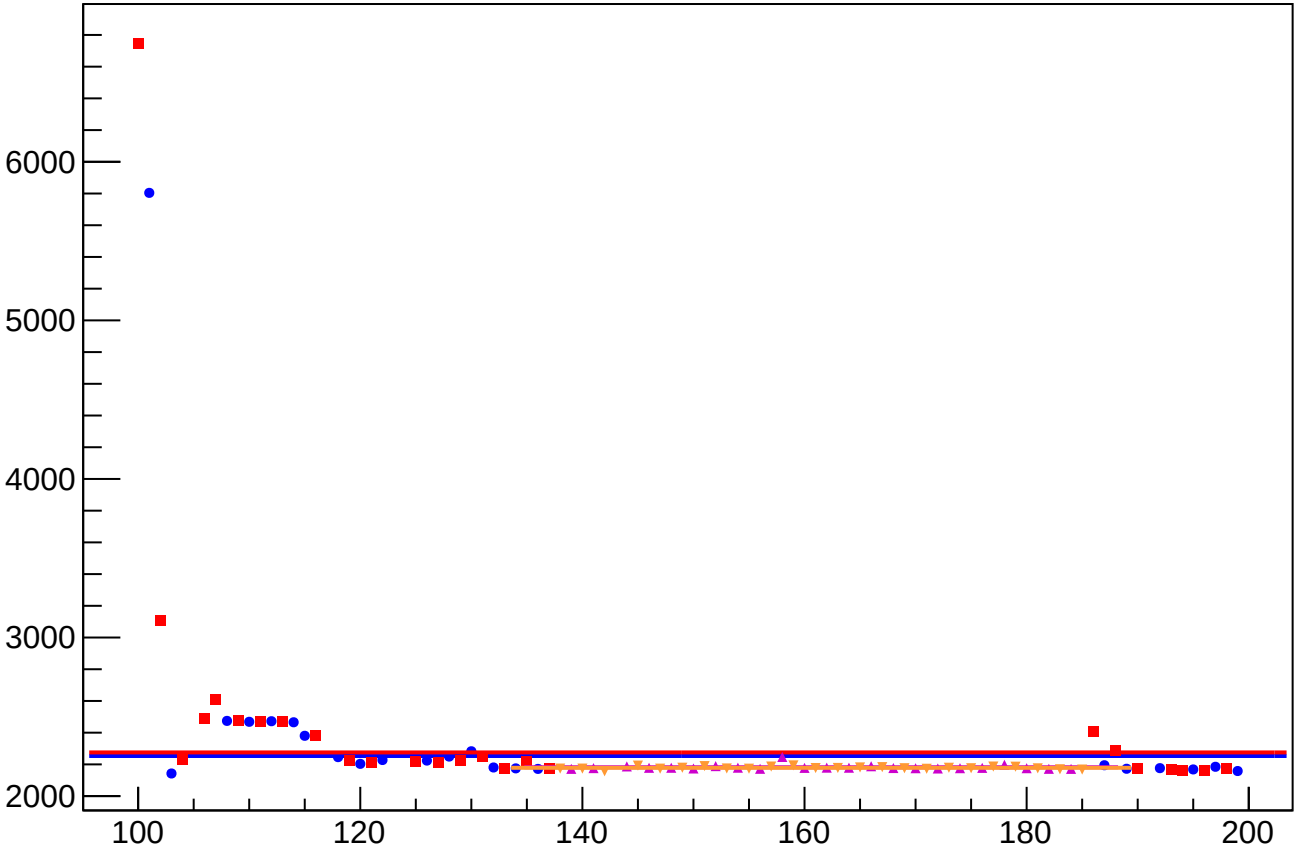
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -923.837+/-403.780 χ^2/NDF: 41.2/45

All: -153.382+/-284.675 χ^2/NDF: 90.8/93

- sign 608.066+/-401.413 χ^2/NDF: 42.4/47

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2252.976+/-0.474 χ^2/NDF: 533793.0/21

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

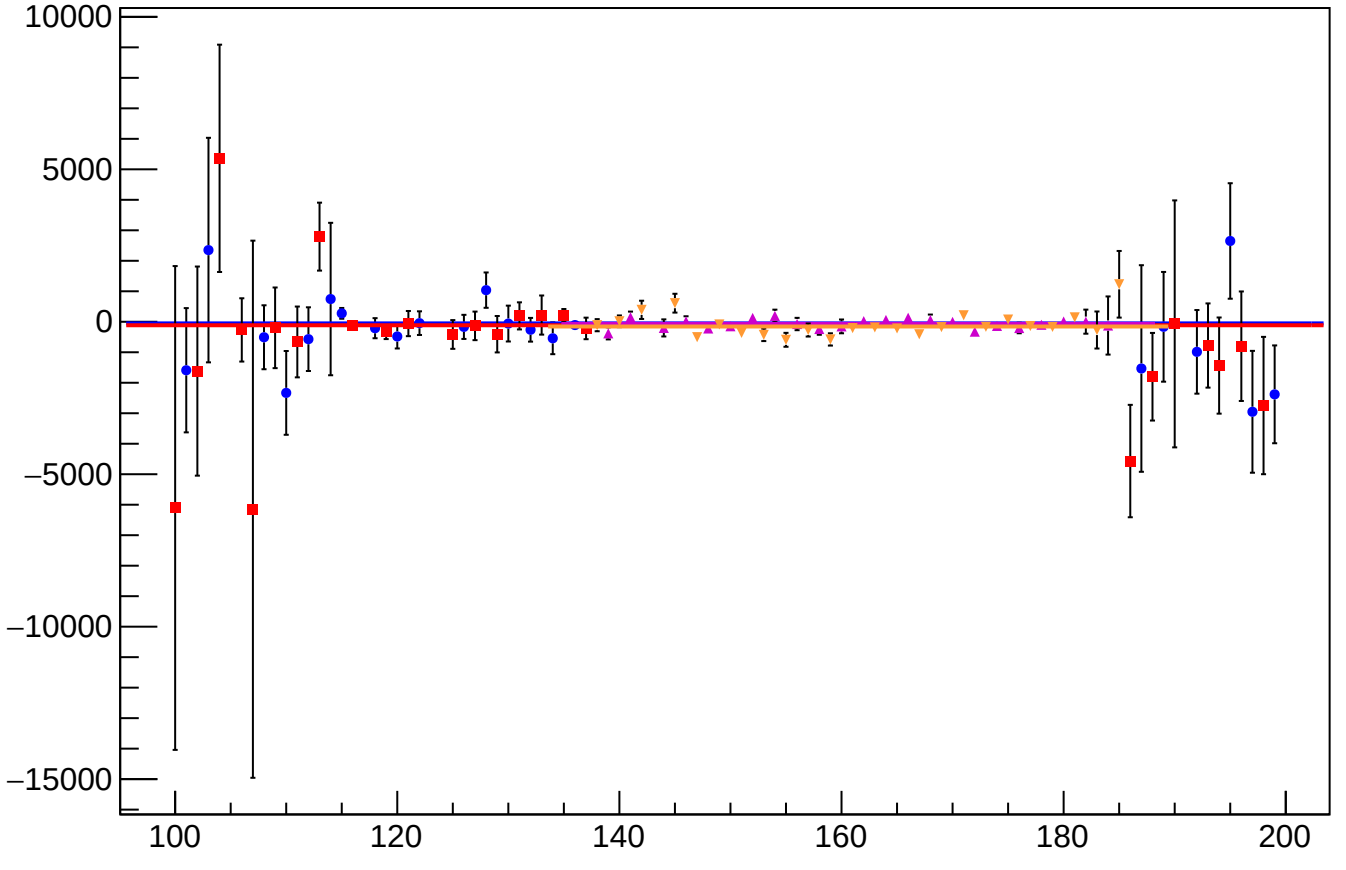
Right Out: 2275.402+/-0.461 χ^2/NDF: 196847.4/24

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2205.483+/-0.286 χ^2/NDF: 549967.6/45

All: 2211.445+/-0.201 χ^2/NDF: 775073.1/93

- sign 2217.338+/-0.284 χ^2/NDF: 224238.5/47



Right In: -53.236+/-91.690 χ^2/NDF: 21.0/21

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -114.086+/-85.372 χ^2/NDF: 24.7/24

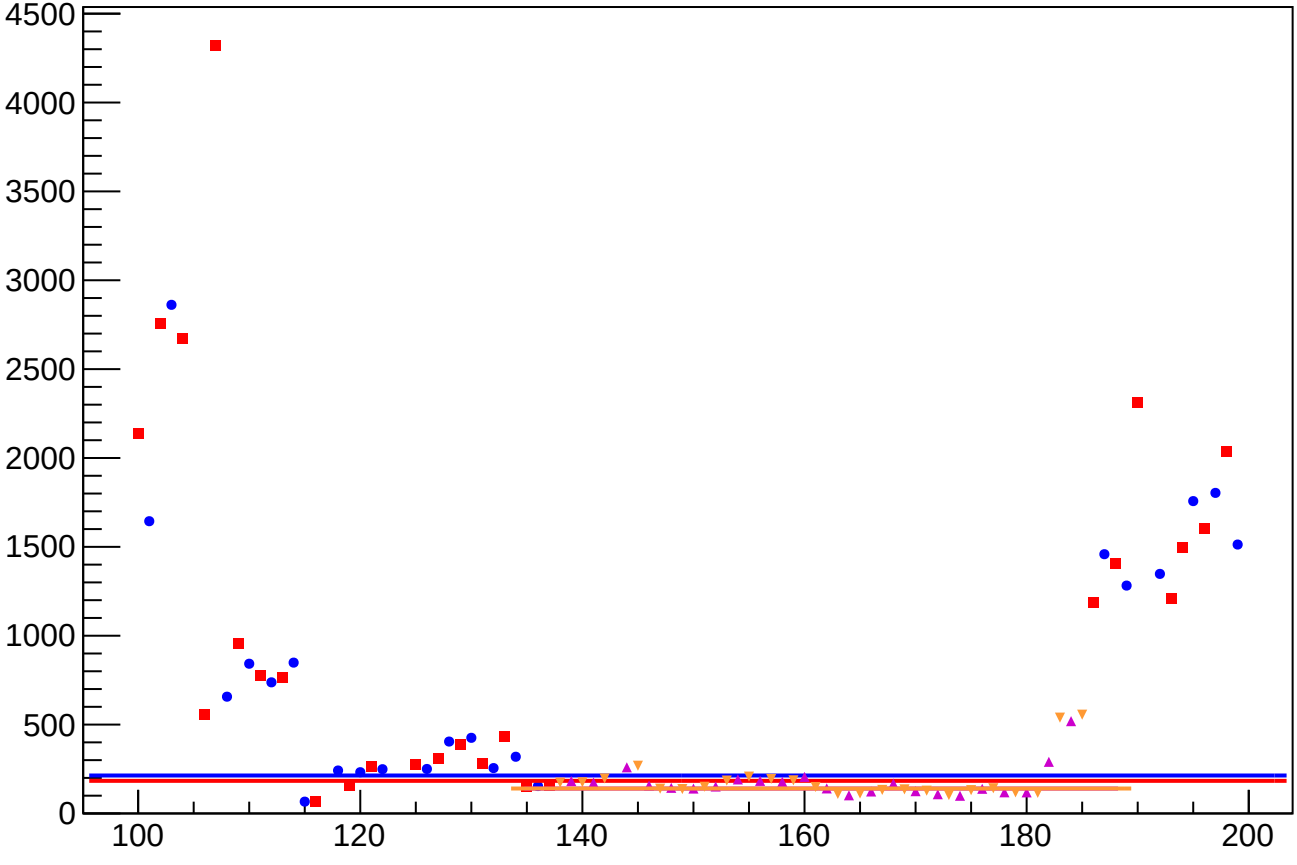
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -142.418+/-31.929 χ^2/NDF: 69.4/45

All: -109.134+/-22.514 χ^2/NDF: 115.4/93

- sign -76.220+/-31.751 χ^2/NDF: 43.9/47

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 213.535+/-0.065 χ^2/NDF: 11965029.8/21

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

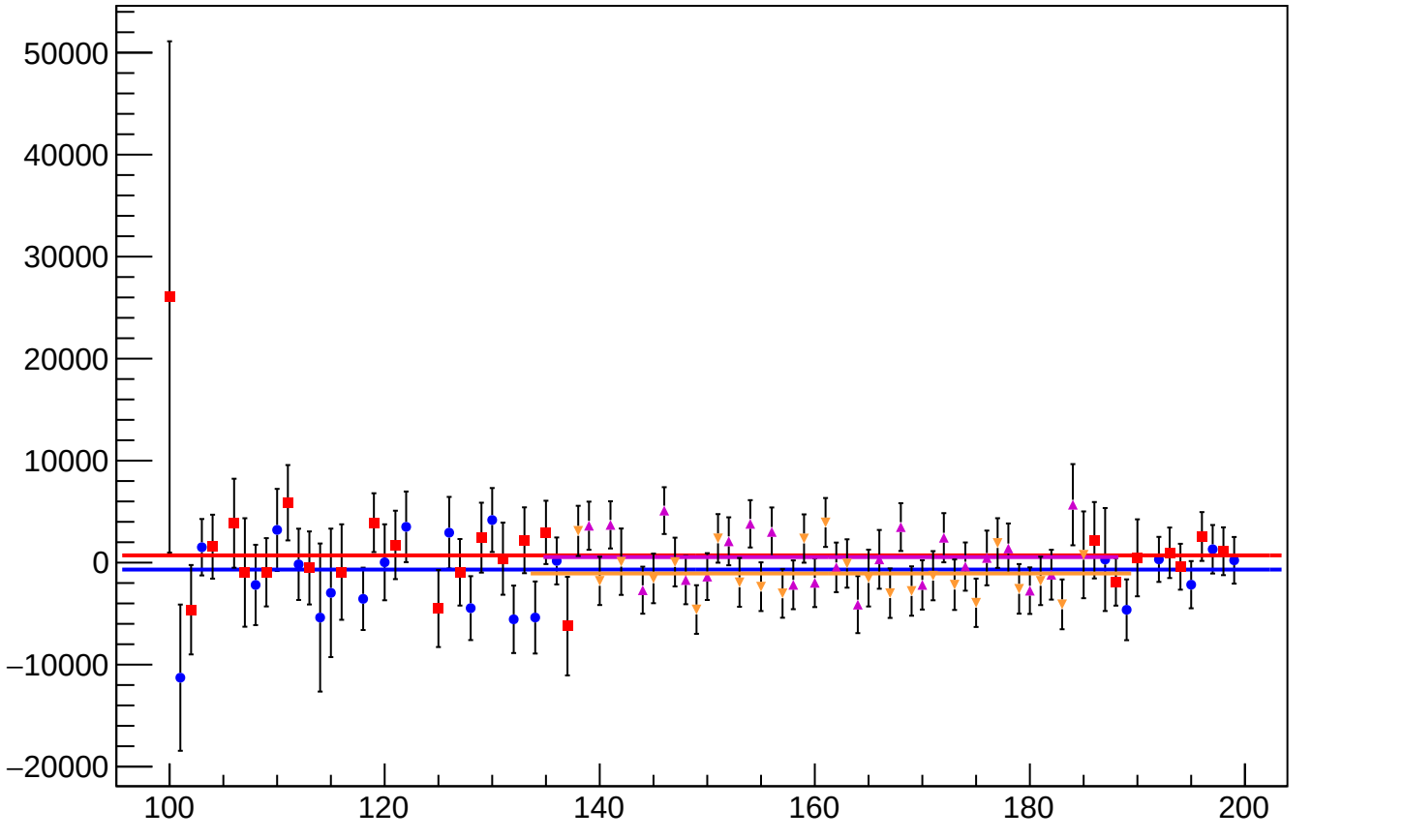
Right Out: 183.511+/-0.060 χ^2/NDF: 14874028.6/24

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 149.197+/-0.023 χ^2/NDF: 15845963.2/45

All: 147.590+/-0.016 χ^2/NDF: 33590638.3/93

- sign 146.000+/-0.022 χ^2/NDF: 17734592.7/47



Right In: -679.975+/-670.847 χ^2/NDF: 19.1/21

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 712.559+/-651.934 χ^2/NDF: 14.5/24

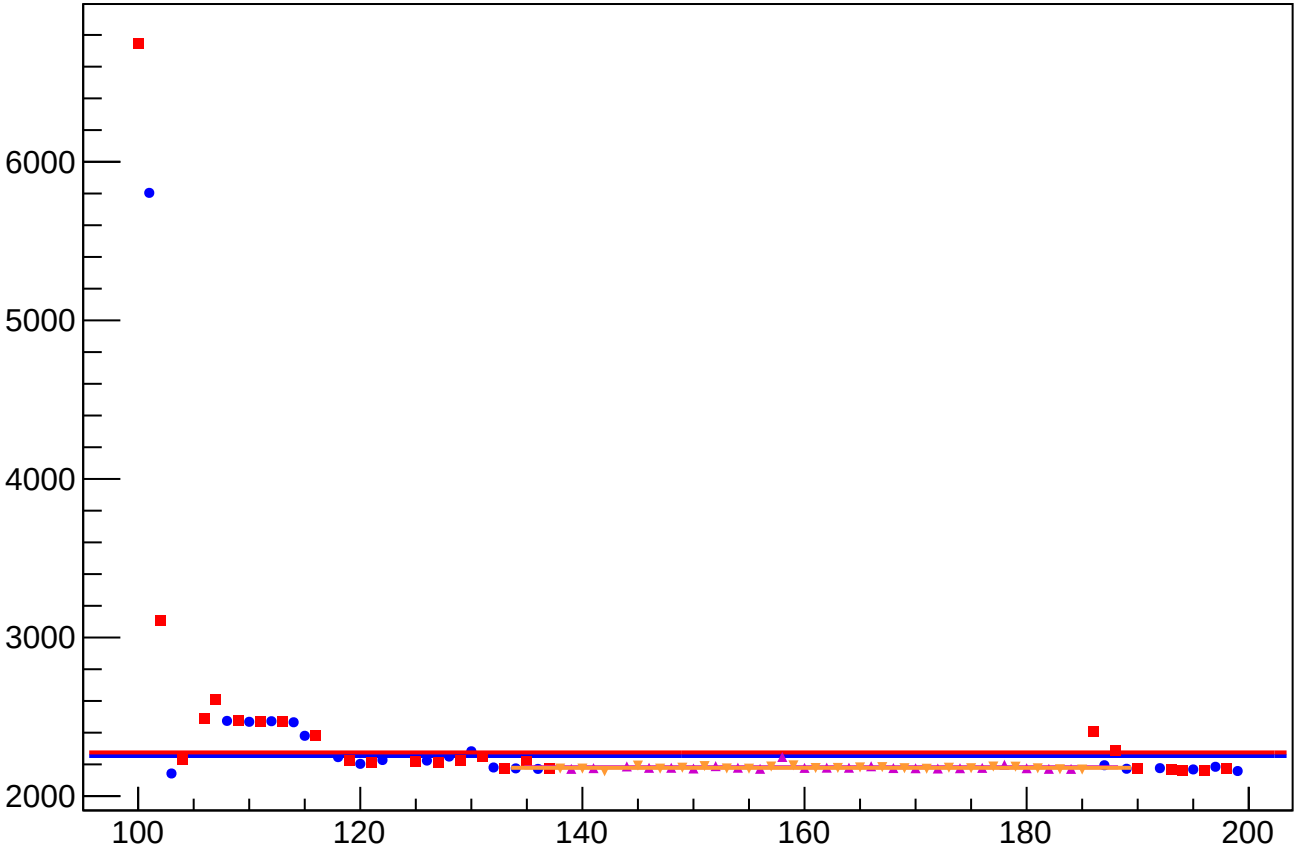
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -923.838+/-403.780 χ^2/NDF: 41.2/45

All: -153.382+/-284.675 χ^2/NDF: 90.8/93

- sign 608.065+/-401.413 χ^2/NDF: 42.4/47

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2252.976+/-0.474 χ^2/NDF: 533793.0/21

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

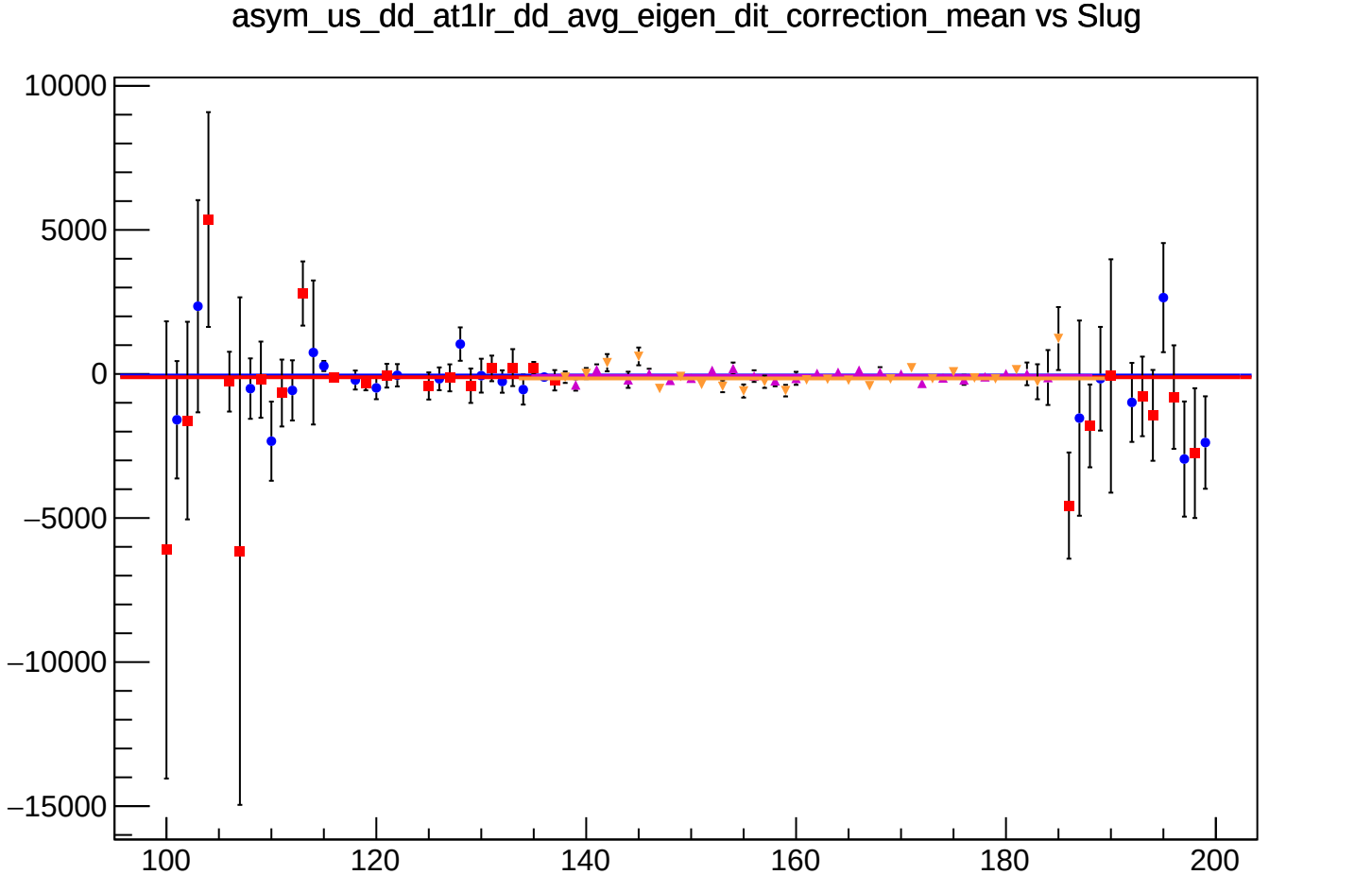
Right Out: 2275.402+/-0.461 χ^2/NDF: 196847.3/24

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2205.483+/-0.286 χ^2/NDF: 549967.6/45

All: 2211.445+/-0.201 χ^2/NDF: 775073.0/93

- sign 2217.338+/-0.284 χ^2/NDF: 224238.4/47



Right In: -53.233+/-91.689 χ^2/NDF: 21.0/21

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

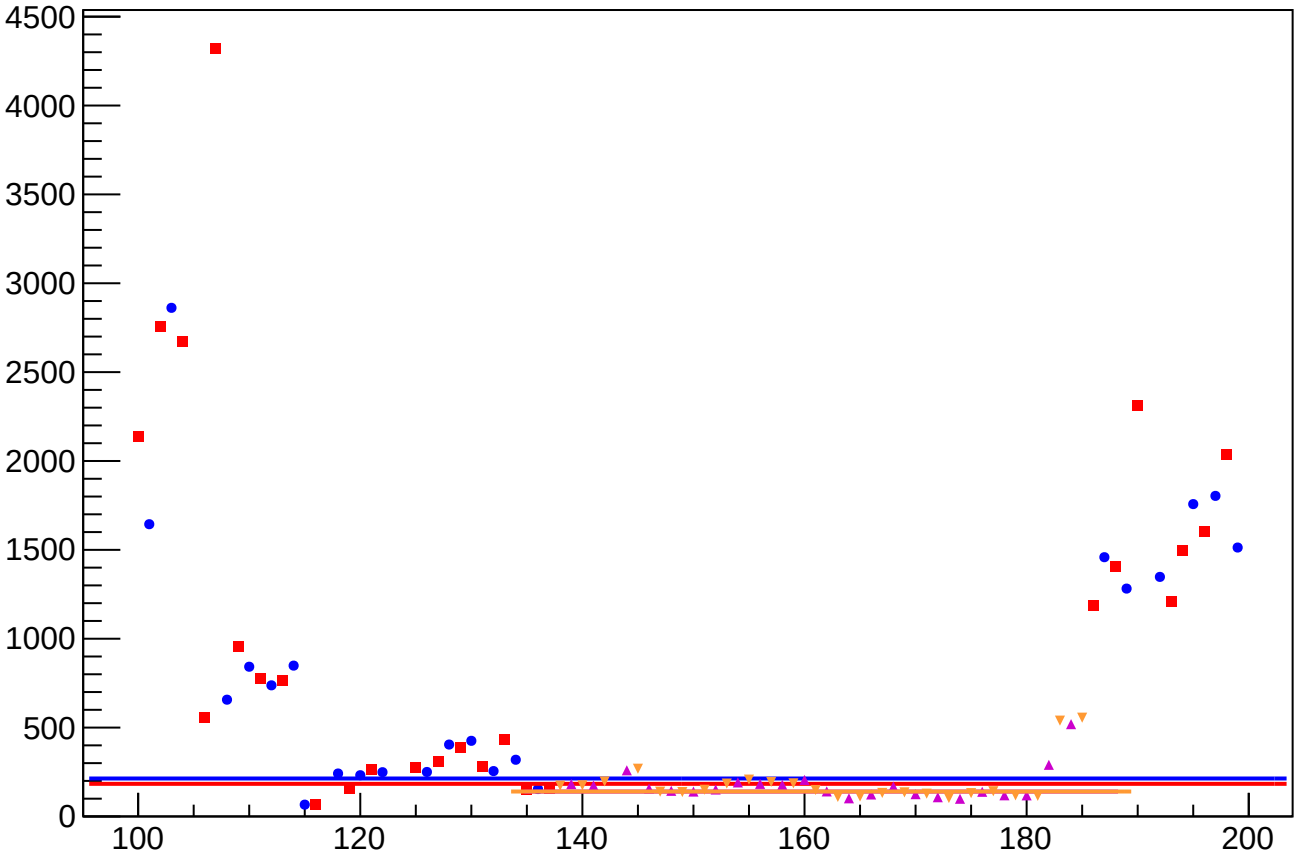
Right Out: -114.086+/-85.371 χ^2/NDF: 24.7/24

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -142.419+/-31.929 χ^2/NDF: 69.4/45

All: -109.134+/-22.514 χ^2/NDF: 115.4/93

- sign -76.219+/-31.751 χ^2/NDF: 43.9/47



Right In: 213.533+/-0.065 χ^2/NDF: 11965091.5/21

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 183.509+/-0.060 χ^2/NDF: 14874115.5/24

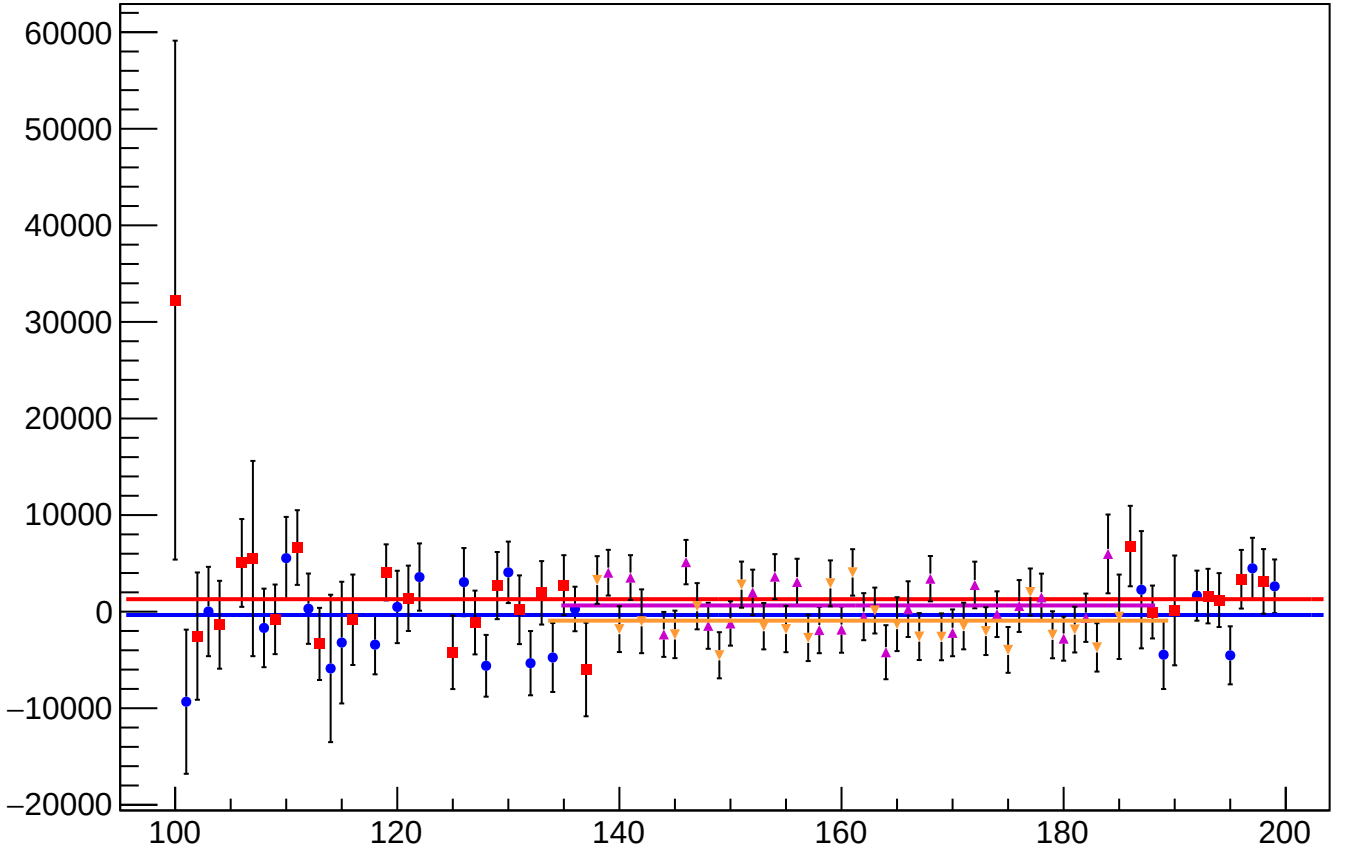
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 149.197+/-0.023 χ^2/NDF: 15845946.7/45

All: 147.590+/-0.016 χ^2/NDF: 33590714.0/93

- sign 146.000+/-0.022 χ^2/NDF: 17734683.1/47

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -344.718+/-748.132 χ^2/NDF: 23.5/21

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1292.363+/-738.683 χ^2/NDF: 16.0/24

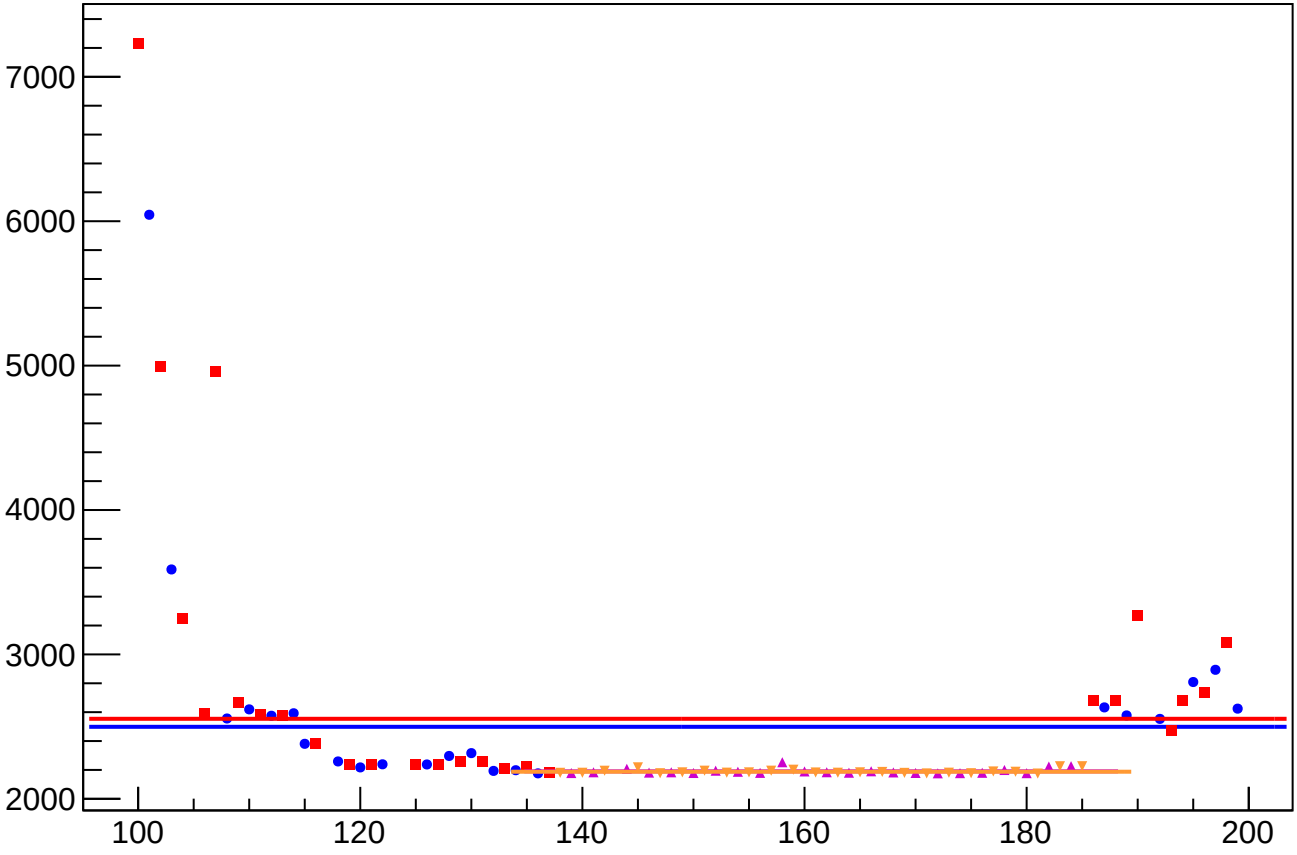
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -746.813+/-420.109 χ^2/NDF: 46.3/45

All: 52.553+/-297.183 χ^2/NDF: 97.0/93

- sign 853.227+/-420.452 χ^2/NDF: 43.5/47

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2498.596+/-0.529 χ^2/NDF: 755970.8/21

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

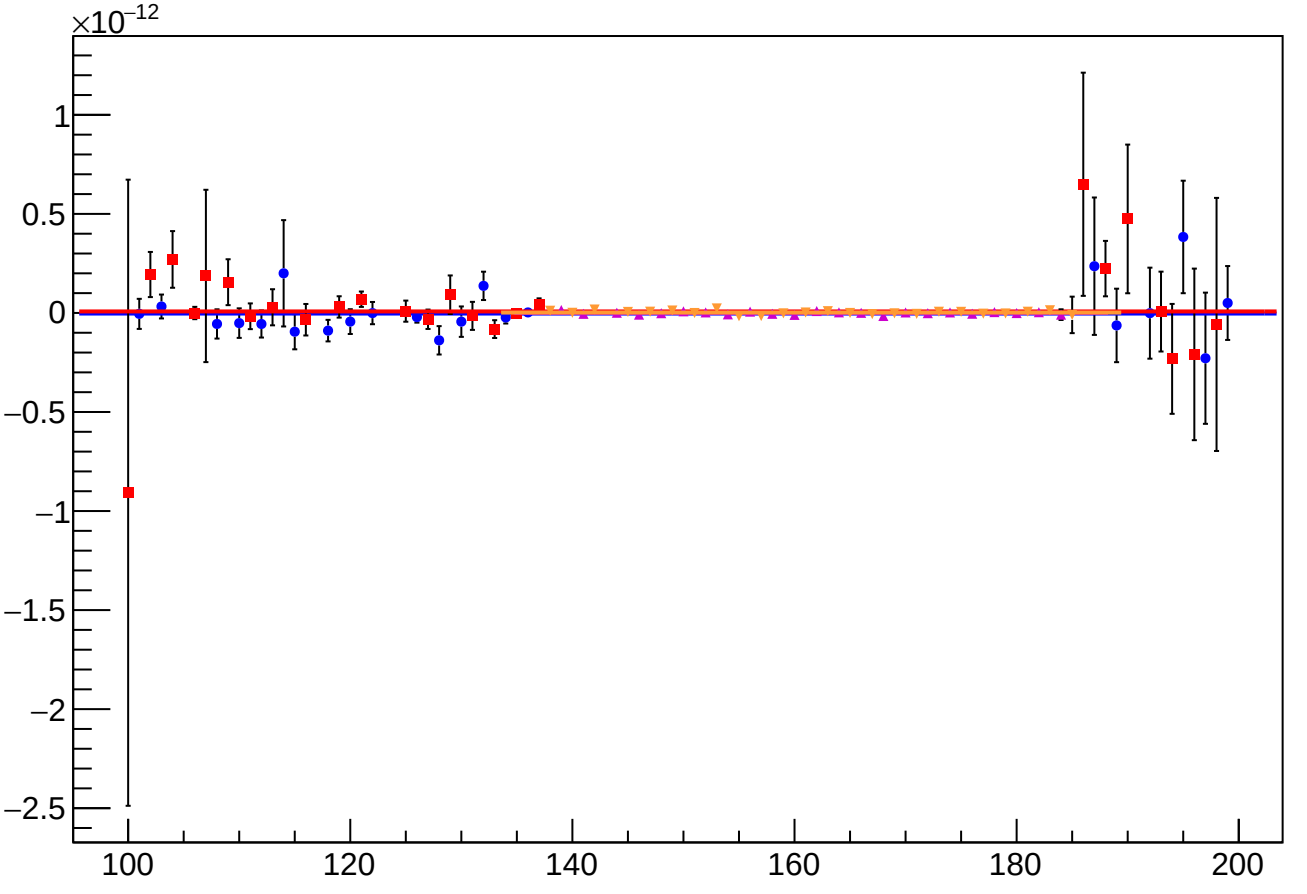
Right Out: 2554.087+/-0.522 χ^2/NDF: 758676.4/24

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2285.680+/-0.297 χ^2/NDF: 993908.6/45

All: 2296.865+/-0.210 χ^2/NDF: 2086133.1/93

- sign 2308.068+/-0.297 χ^2/NDF: 1089387.1/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

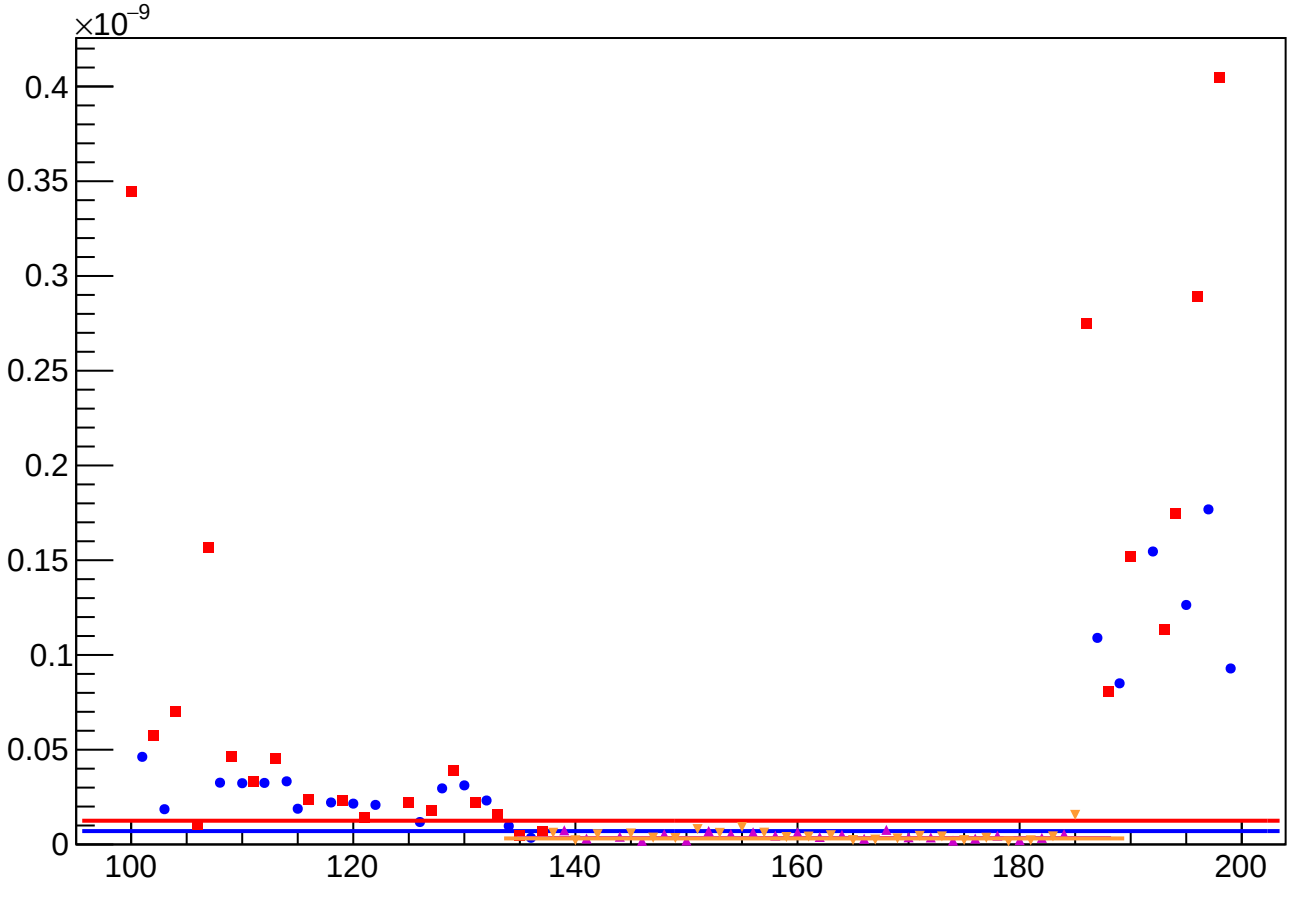
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/24

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.6/45

All: 0.000+/-0.000 χ^2/NDF: 77.9/93

- sign 0.000+/-0.000 χ^2/NDF: 39.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 5520899.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

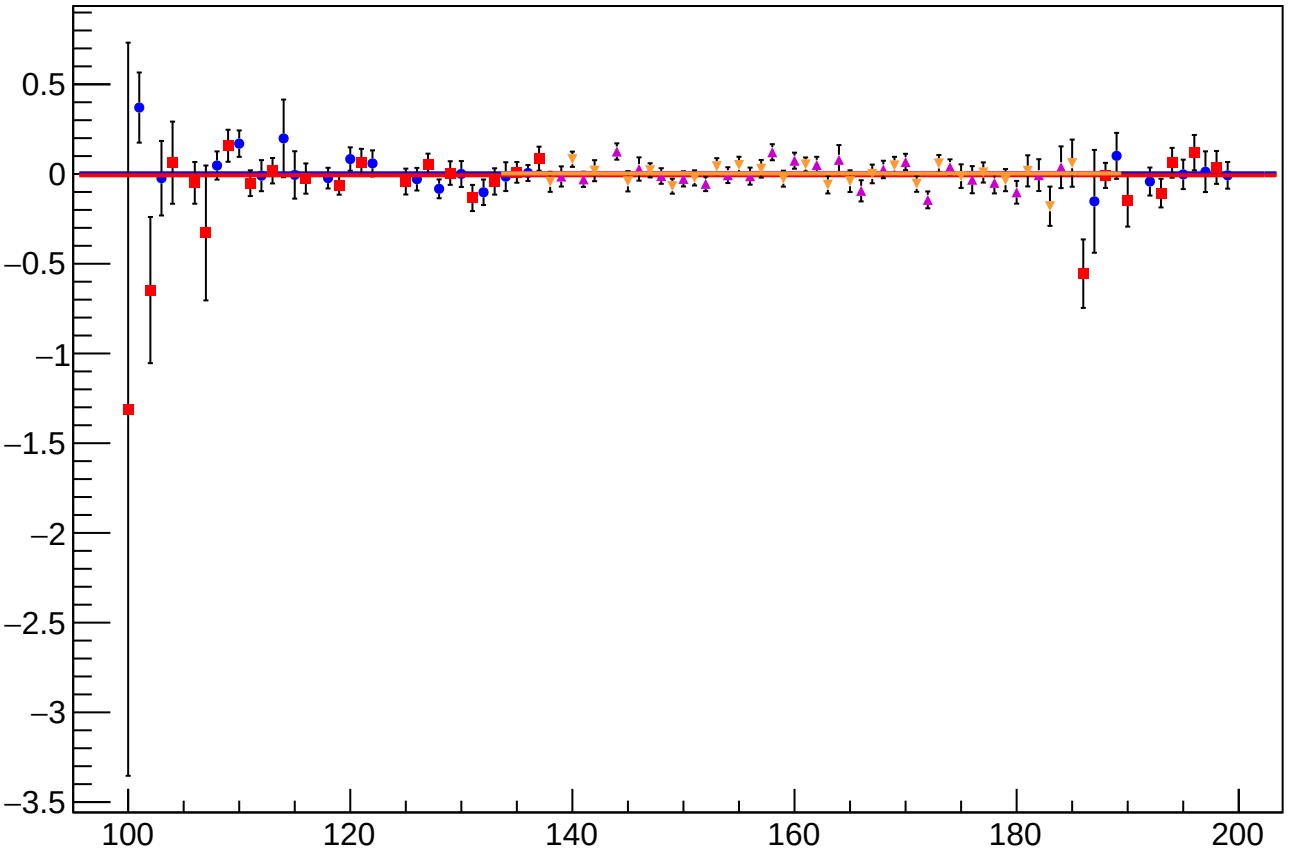
Right Out: 0.000+/-0.000 χ^2/NDF: 6663551.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8305614.9/45

All: 0.000+/-0.000 χ^2/NDF: 18418764.5/93

- sign 0.000+/-0.000 χ^2/NDF: 10085402.0/47



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

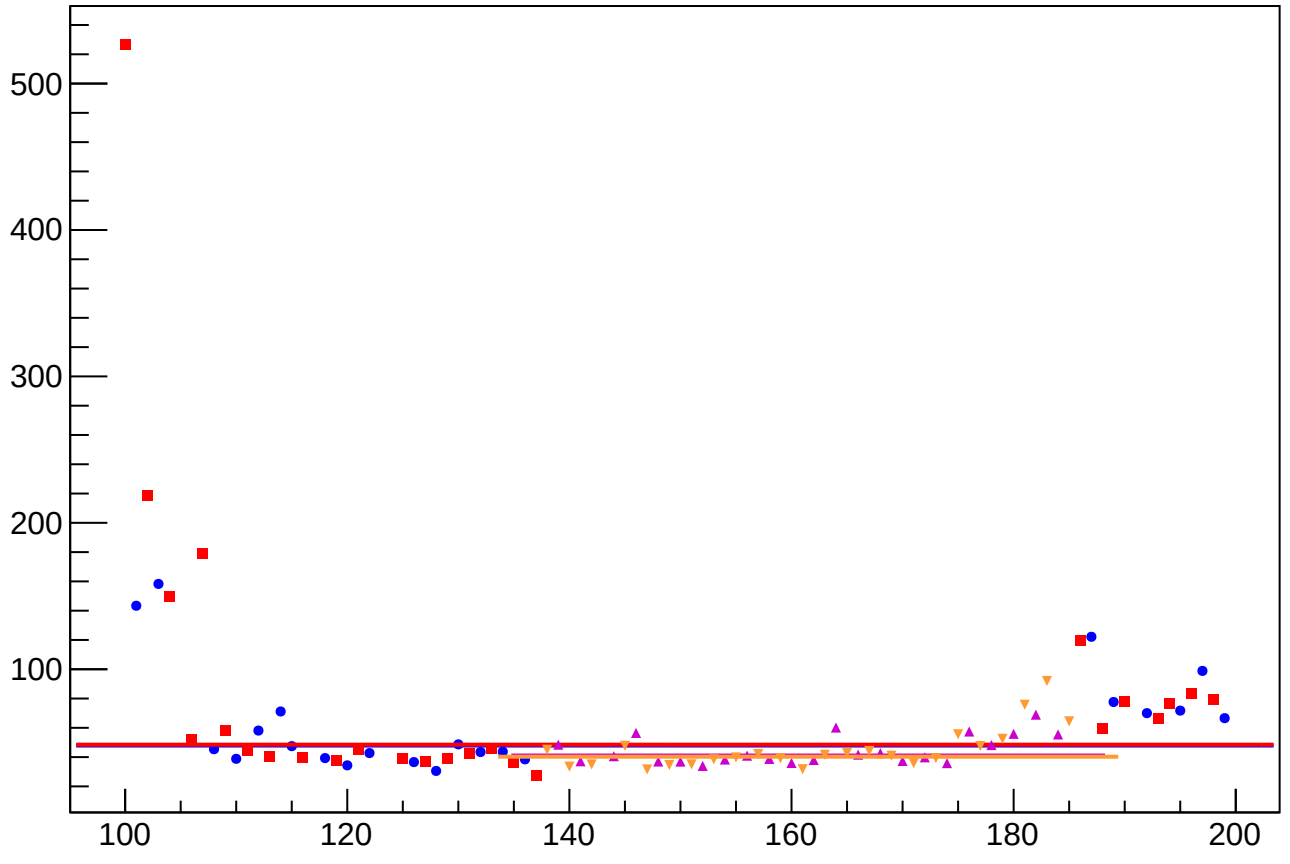
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/45

All: 0.003+/-0.006 χ^2/NDF: 111.8/93

- sign 0.002+/-0.009 χ^2/NDF: 71.4/47



Right In: 47.912+/-0.012 χ^2/NDF: 2754222.7/21

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

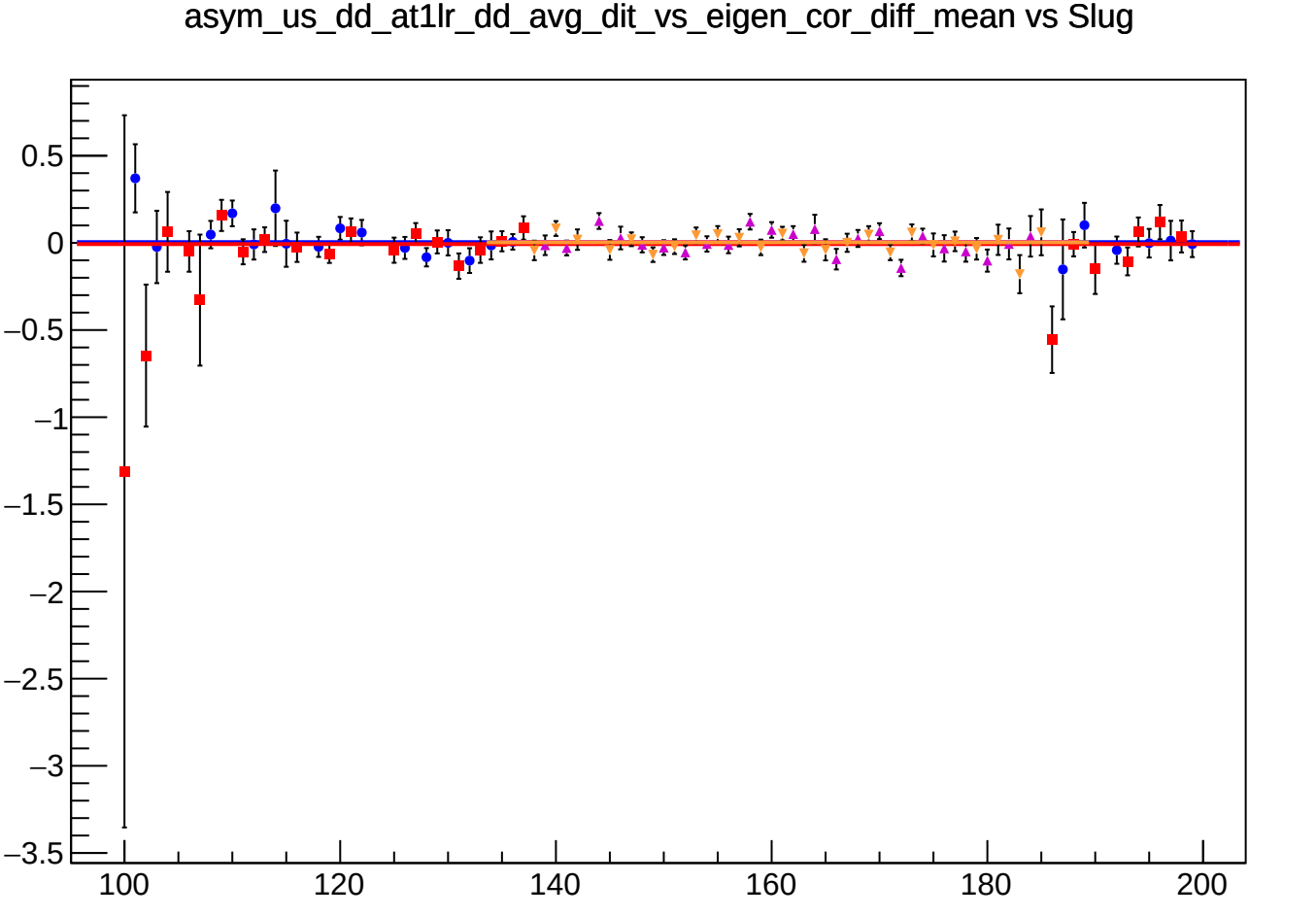
Right Out: 48.493+/-0.012 χ^2/NDF: 2921873.0/24

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 42.426+/-0.006 χ^2/NDF: 4548514.5/45

All: 42.832+/-0.004 χ^2/NDF: 8693434.0/93

- sign 43.247+/-0.006 χ^2/NDF: 4136306.0/47



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

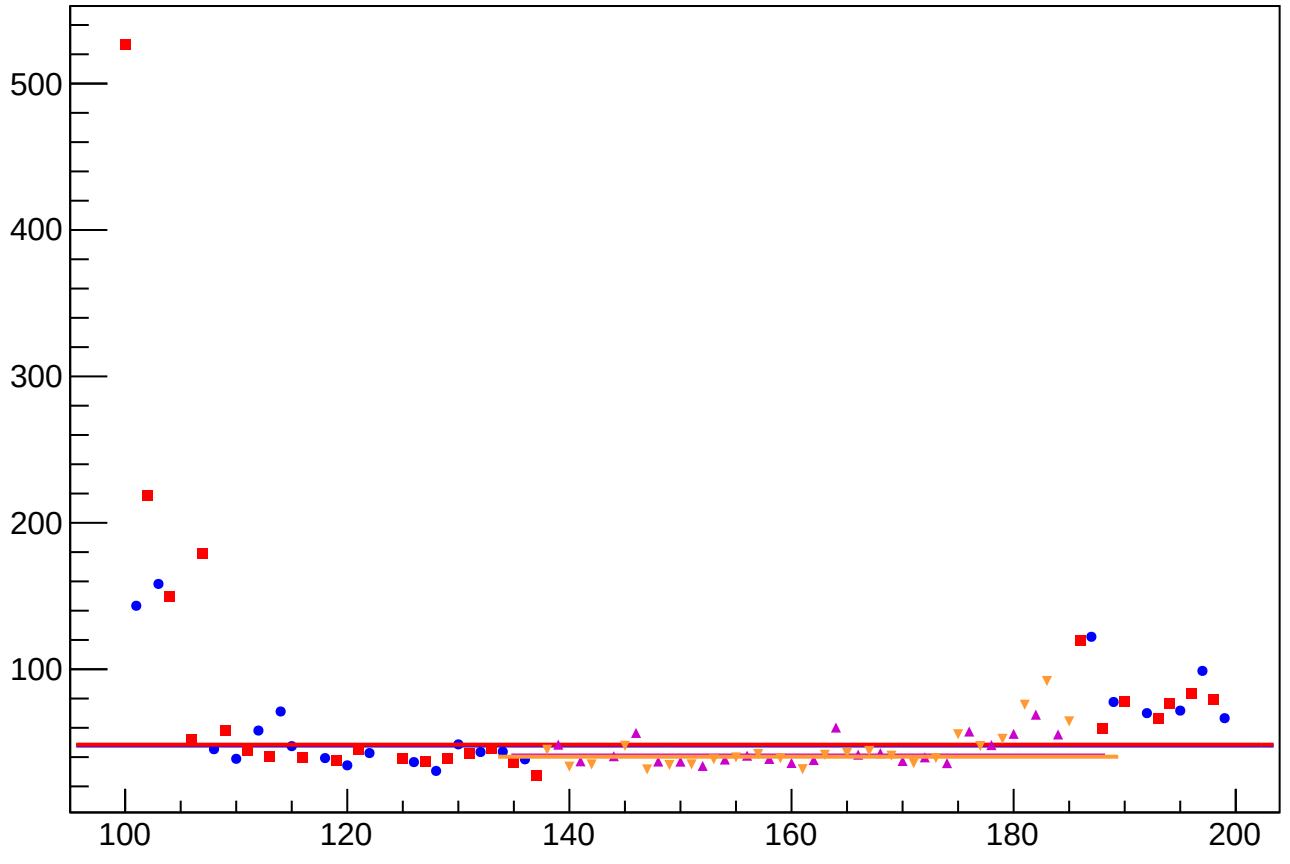
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/45

All: 0.003+/-0.006 χ^2/NDF: 111.8/93

- sign 0.002+/-0.009 χ^2/NDF: 71.4/47



Right In: 47.912+/-0.012 χ^2/NDF: 2754222.7/21

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

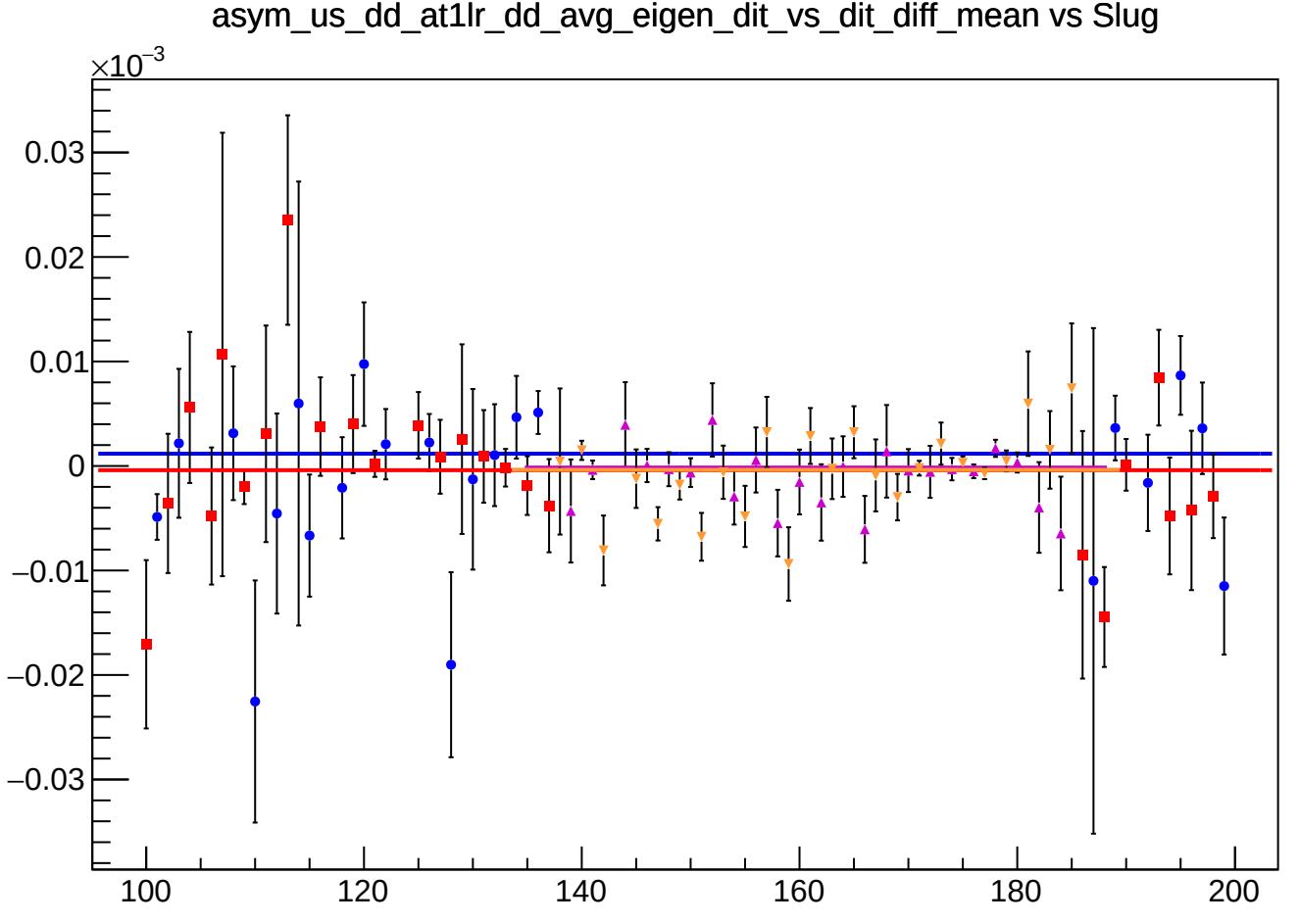
Right Out: 48.493+/-0.012 χ^2/NDF: 2921873.0/24

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 42.426+/-0.006 χ^2/NDF: 4548514.5/45

All: 42.832+/-0.004 χ^2/NDF: 8693434.0/93

- sign 43.247+/-0.006 χ^2/NDF: 4136306.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

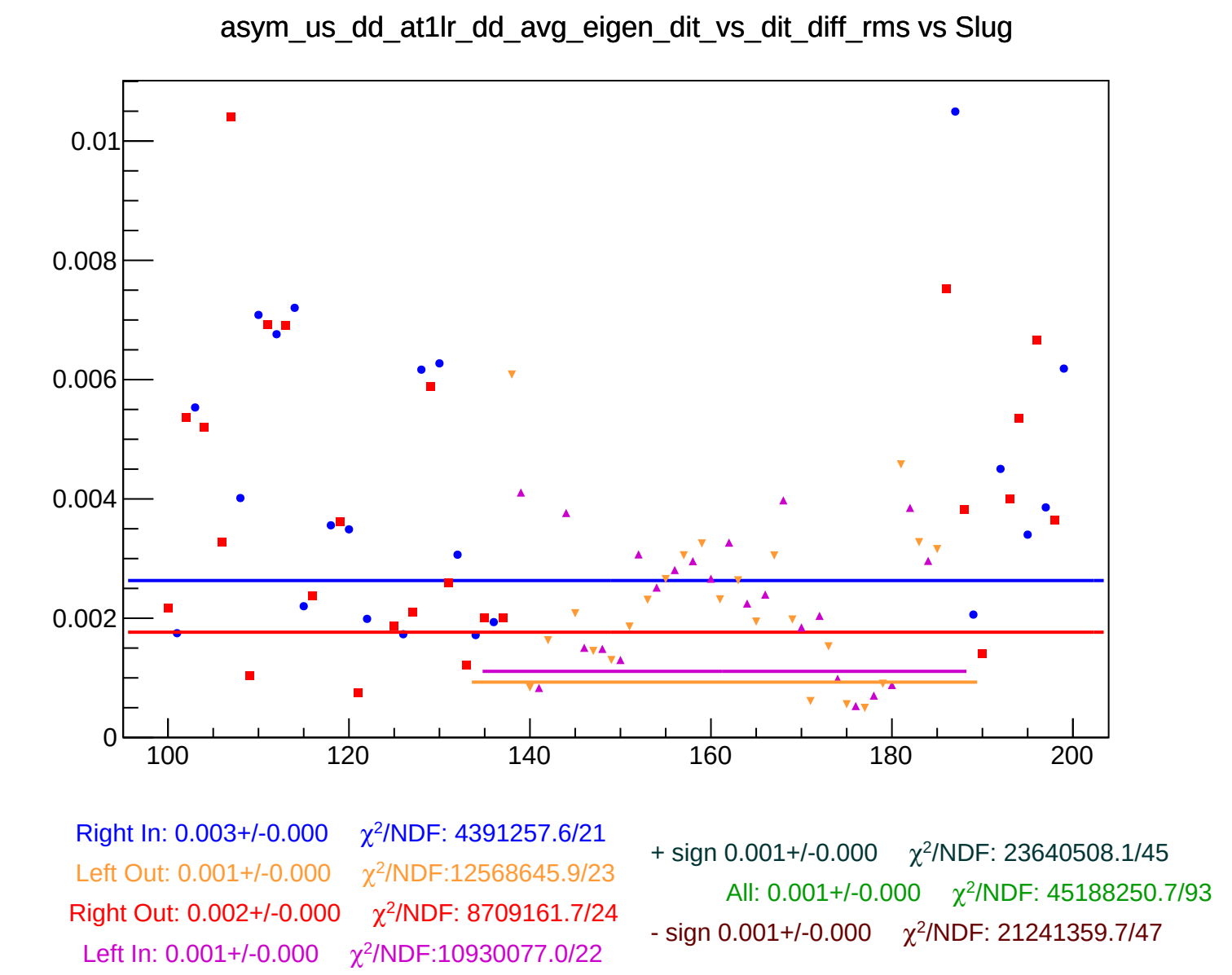
Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/24

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.9/45

All: -0.000+/-0.000 χ^2/NDF: 141.6/93

- sign -0.000+/-0.000 χ^2/NDF: 51.7/47


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
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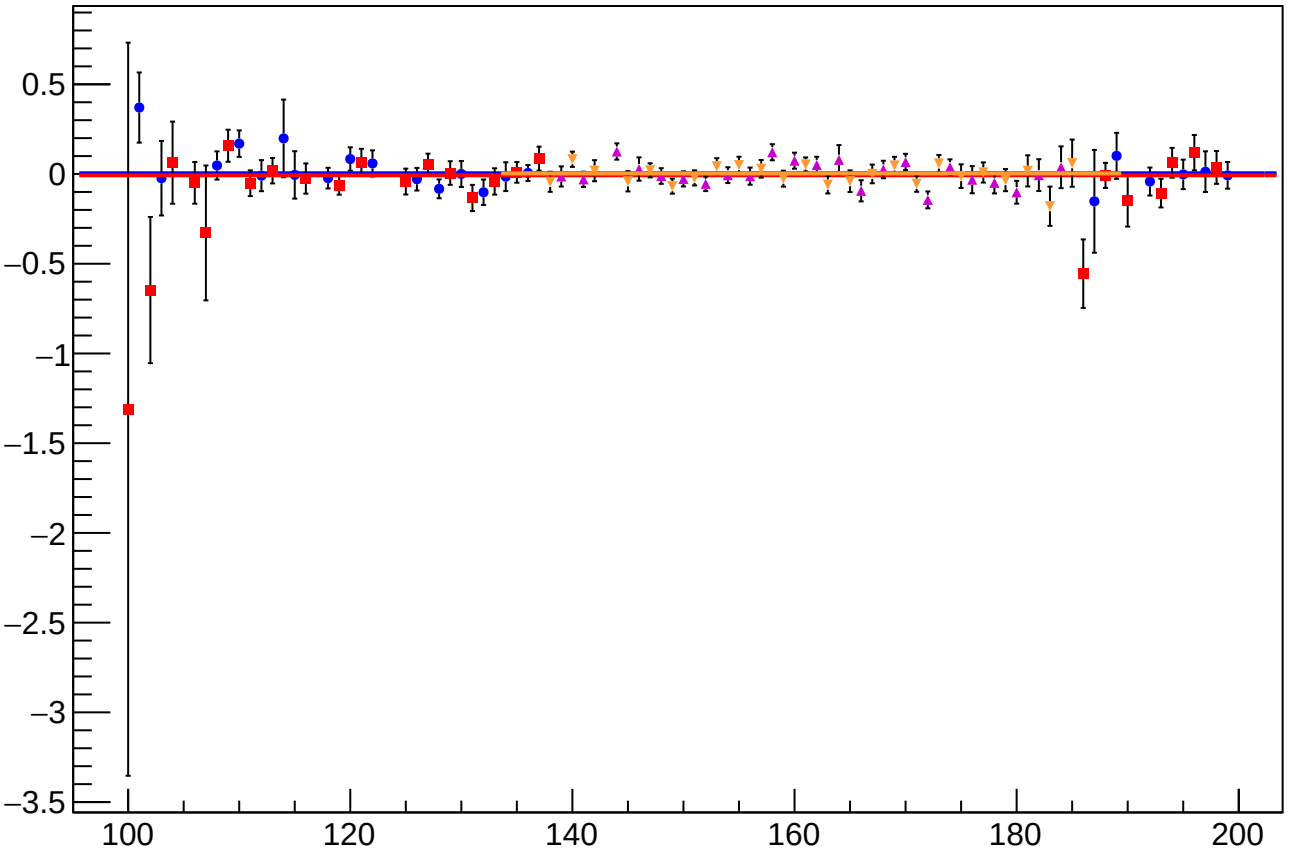
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 4391257.6/21
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
Right Out: 0.002+/-0.000 χ²/NDF: 8709161.7/24
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 23640508.1/45
All: 0.001+/-0.000 χ²/NDF: 45188250.7/93
- sign 0.001+/-0.000 χ²/NDF: 21241359.7/47



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

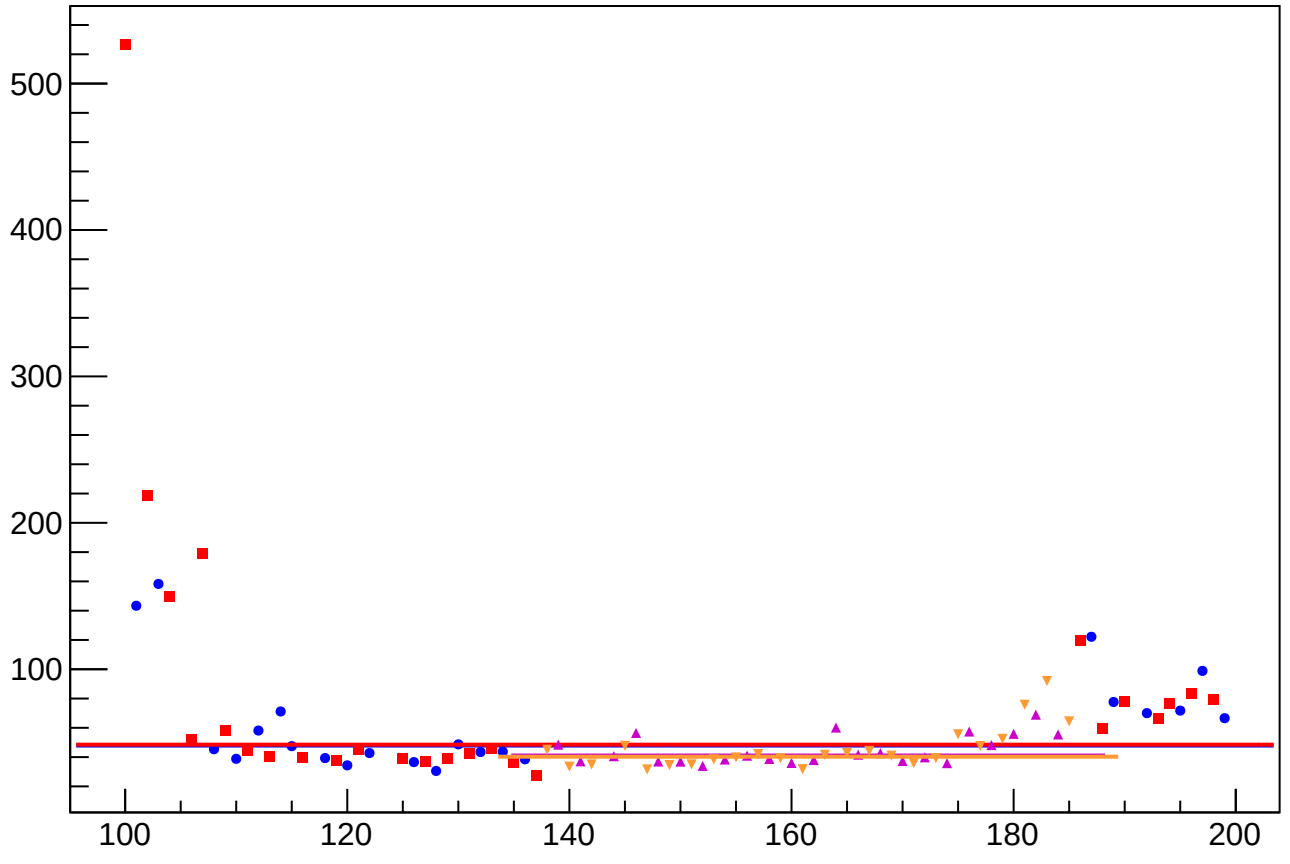
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/45

All: 0.003+/-0.006 χ^2/NDF: 111.8/93

- sign 0.002+/-0.009 χ^2/NDF: 71.4/47



Right In: 47.909+/-0.012 χ^2/NDF: 2754627.3/21

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

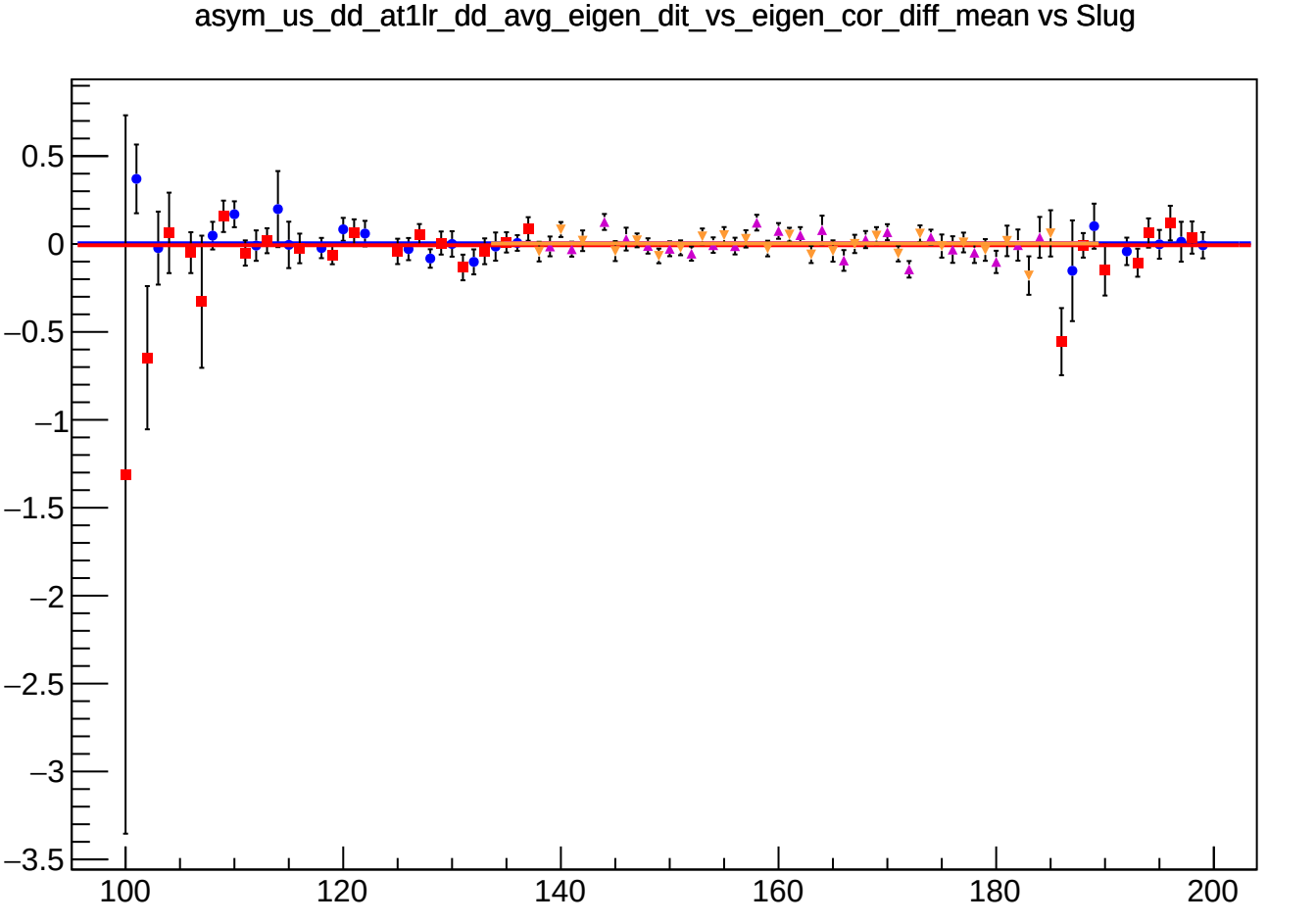
Right Out: 48.494+/-0.012 χ^2/NDF: 2921865.5/24

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 42.426+/-0.006 χ^2/NDF: 4548718.0/45

All: 42.832+/-0.004 χ^2/NDF: 8693721.5/93

- sign 43.247+/-0.006 χ^2/NDF: 4136376.5/47



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

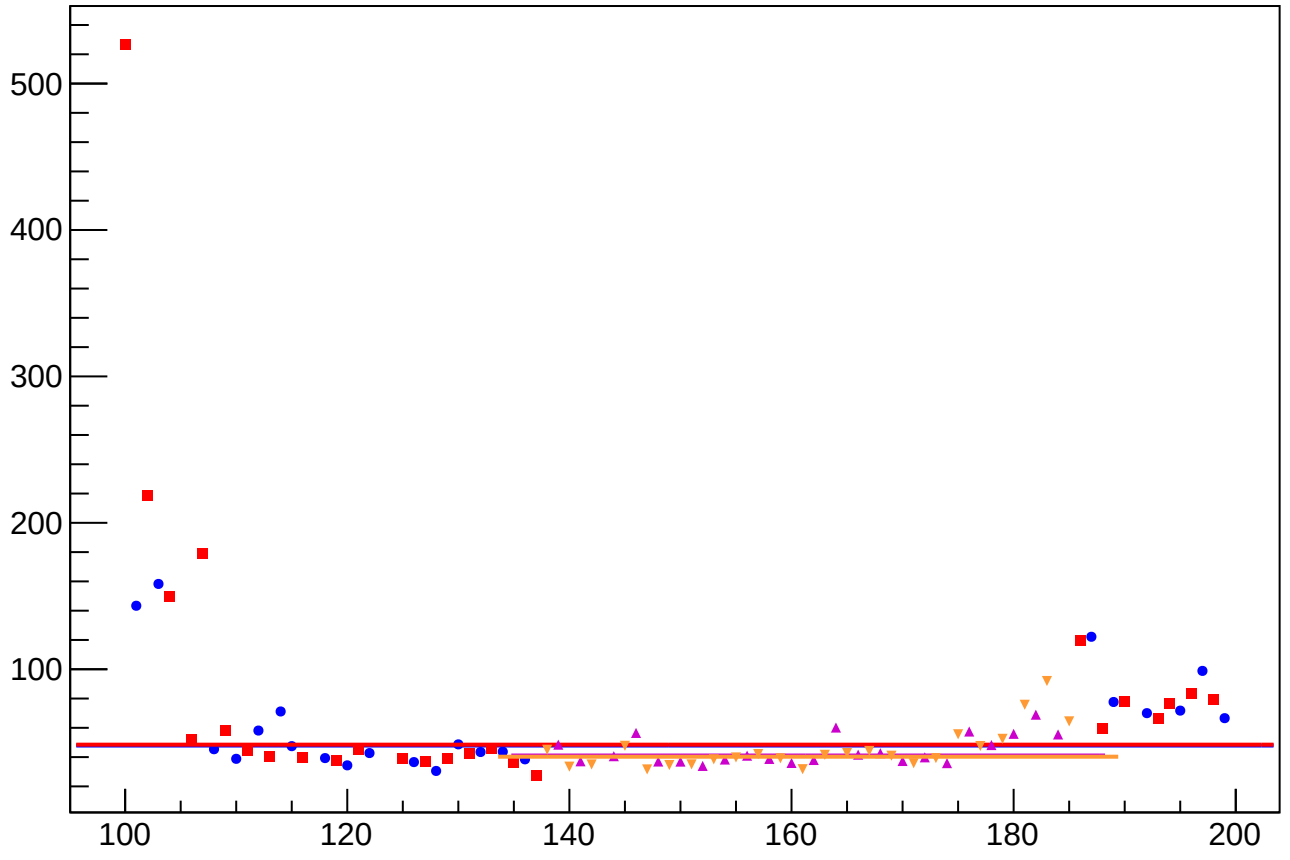
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/45

All: 0.003+/-0.006 χ^2/NDF: 111.8/93

- sign 0.002+/-0.009 χ^2/NDF: 71.4/47



Right In: 47.909+/-0.012 χ^2/NDF: 2754627.3/21

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

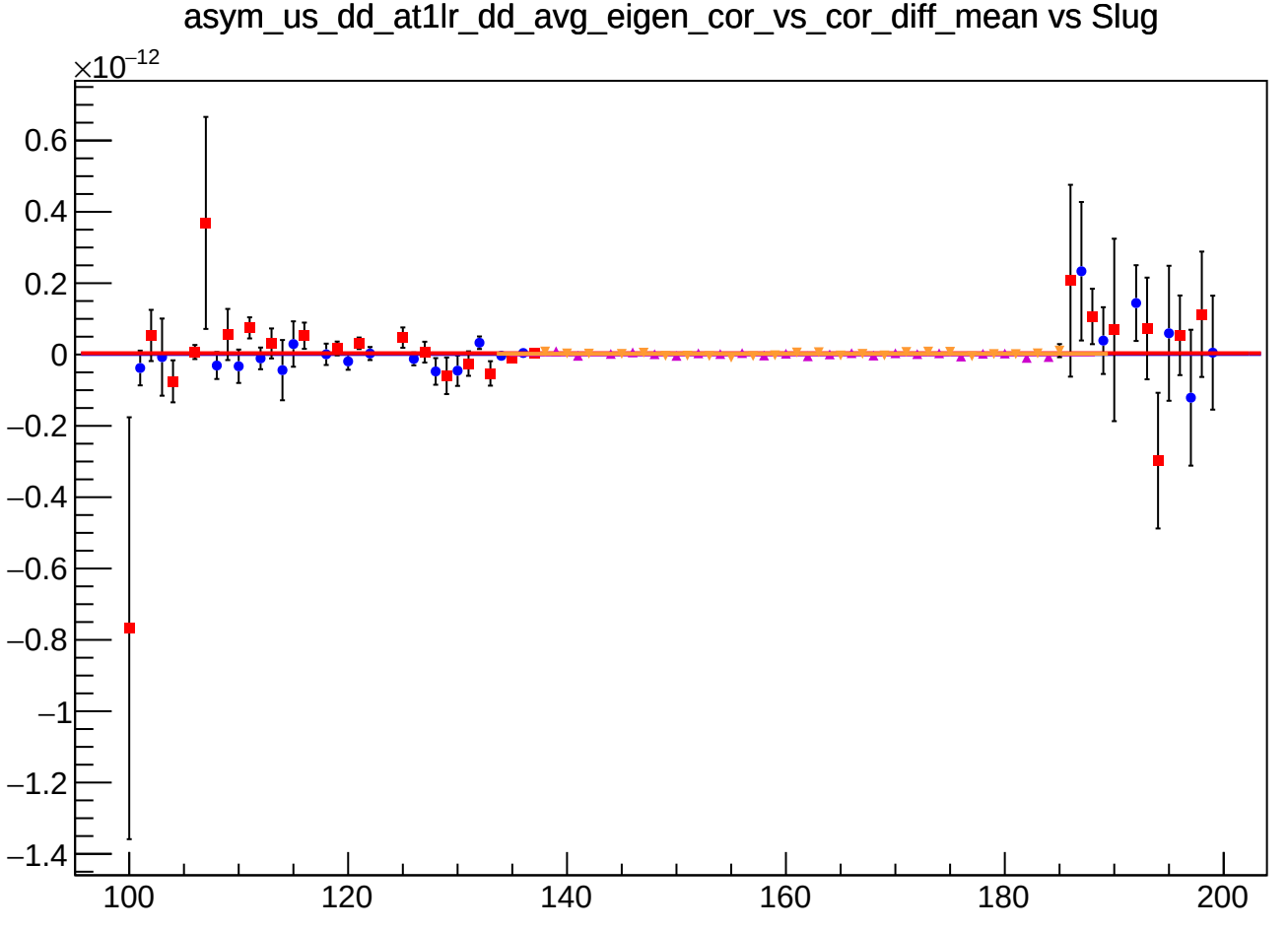
Right Out: 48.494+/-0.012 χ^2/NDF: 2921865.5/24

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 42.426+/-0.006 χ^2/NDF: 4548718.0/45

All: 42.832+/-0.004 χ^2/NDF: 8693721.5/93

- sign 43.247+/-0.006 χ^2/NDF: 4136376.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

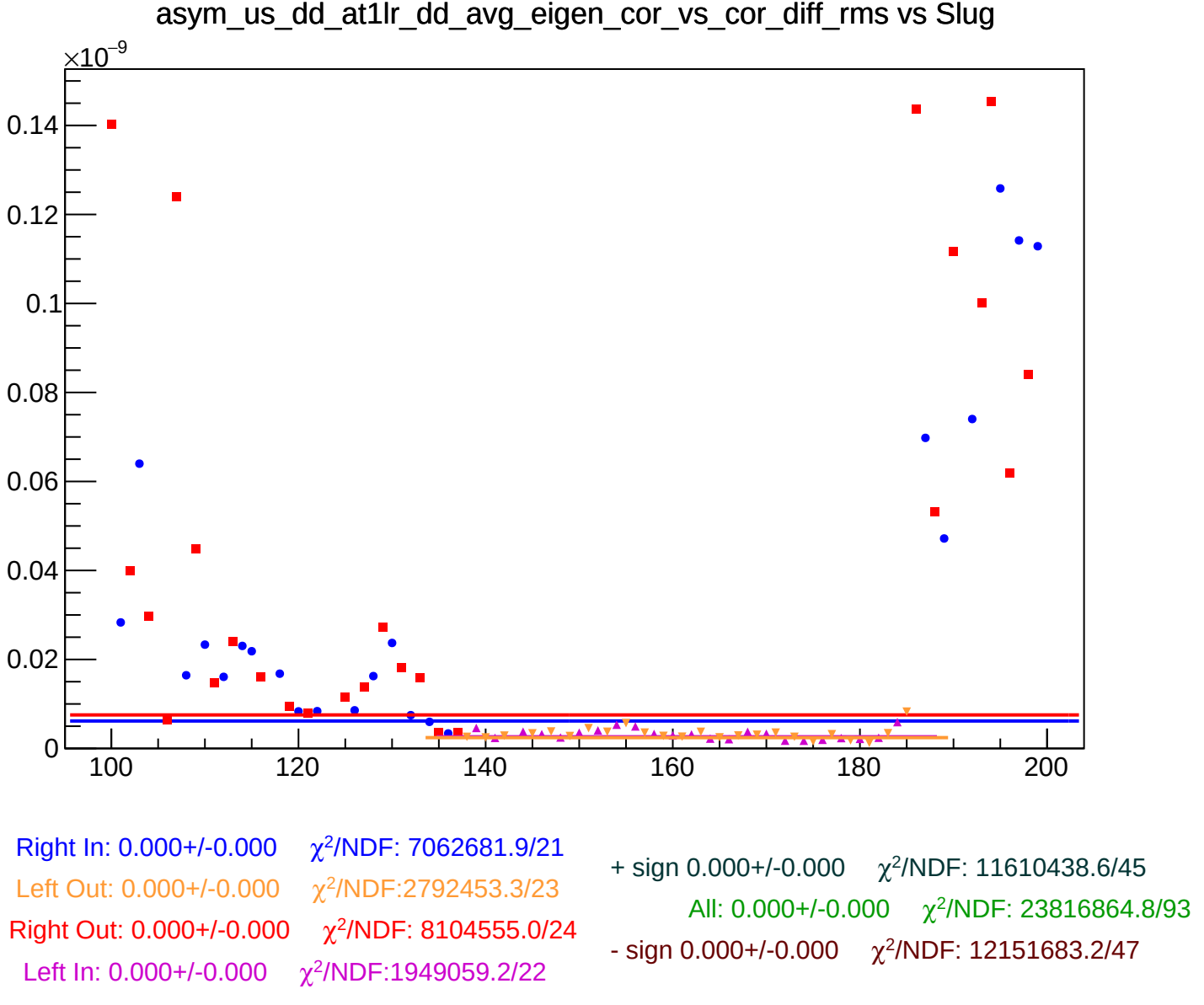
Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/24

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

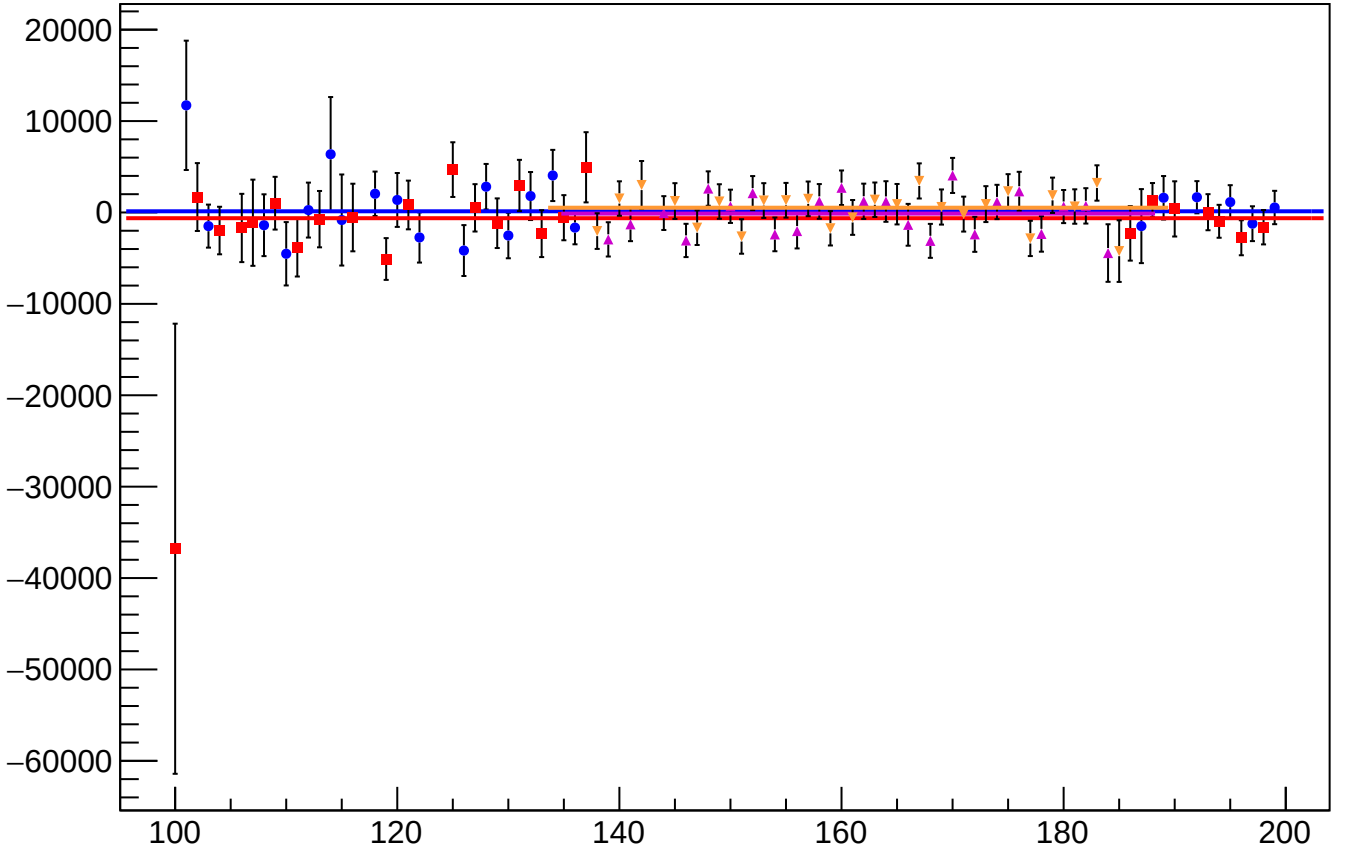
+ sign 0.000+/-0.000 χ^2/NDF: 39.6/45

All: 0.000+/-0.000 χ^2/NDF: 99.7/93

- sign 0.000+/-0.000 χ^2/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: 7062681.9/21
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: 11610438.6/45
All: 0.000+/-0.000 χ²/NDF: 23816864.8/93
- sign 0.000+/-0.000 χ²/NDF: 12151683.2/47

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 129.574+/-541.083 χ^2/NDF: 18.2/21

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -627.715+/-526.743 χ^2/NDF: 19.1/24

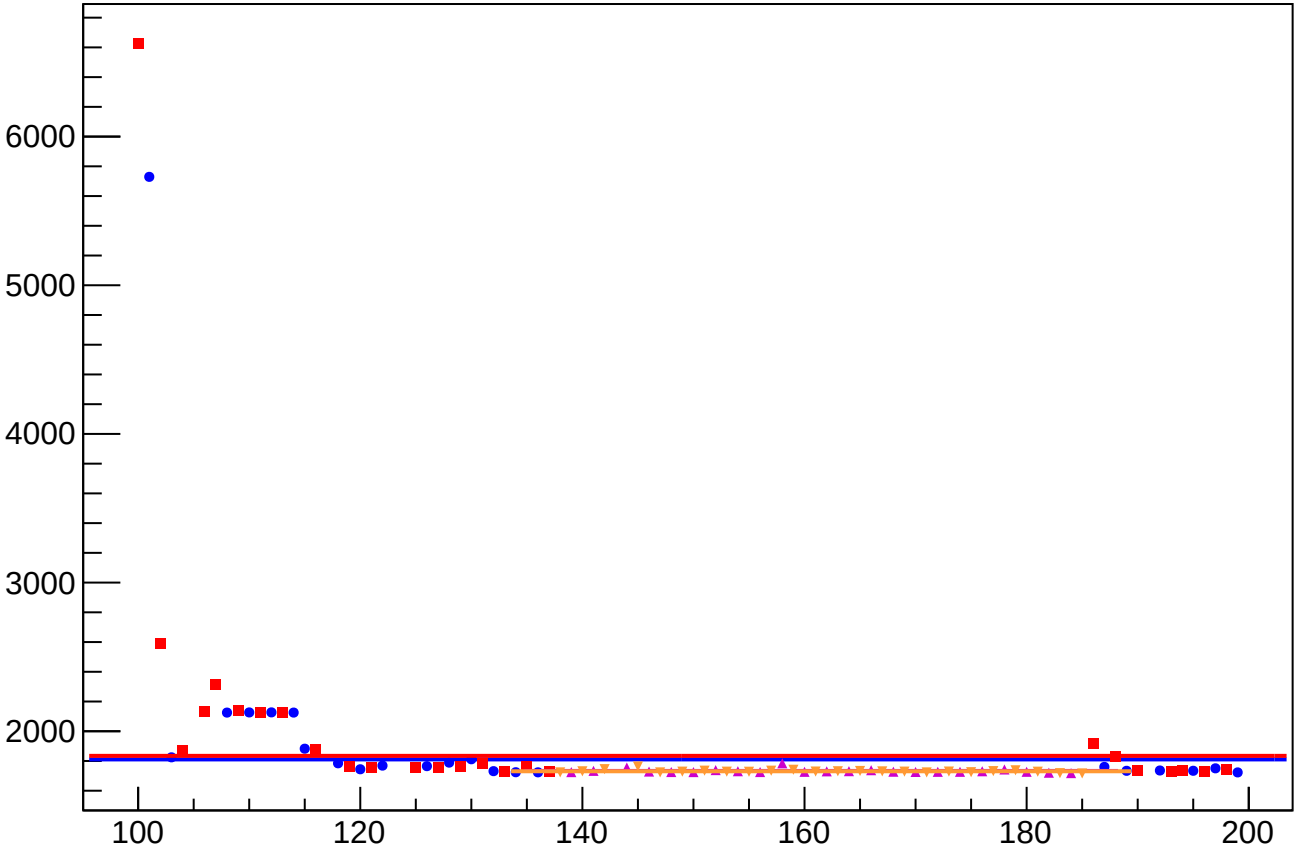
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 381.226+/-322.535 χ^2/NDF: 39.3/45

All: 32.728+/-227.481 χ^2/NDF: 90.8/93

- sign -312.208+/-320.883 χ^2/NDF: 49.1/47

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.8/21

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

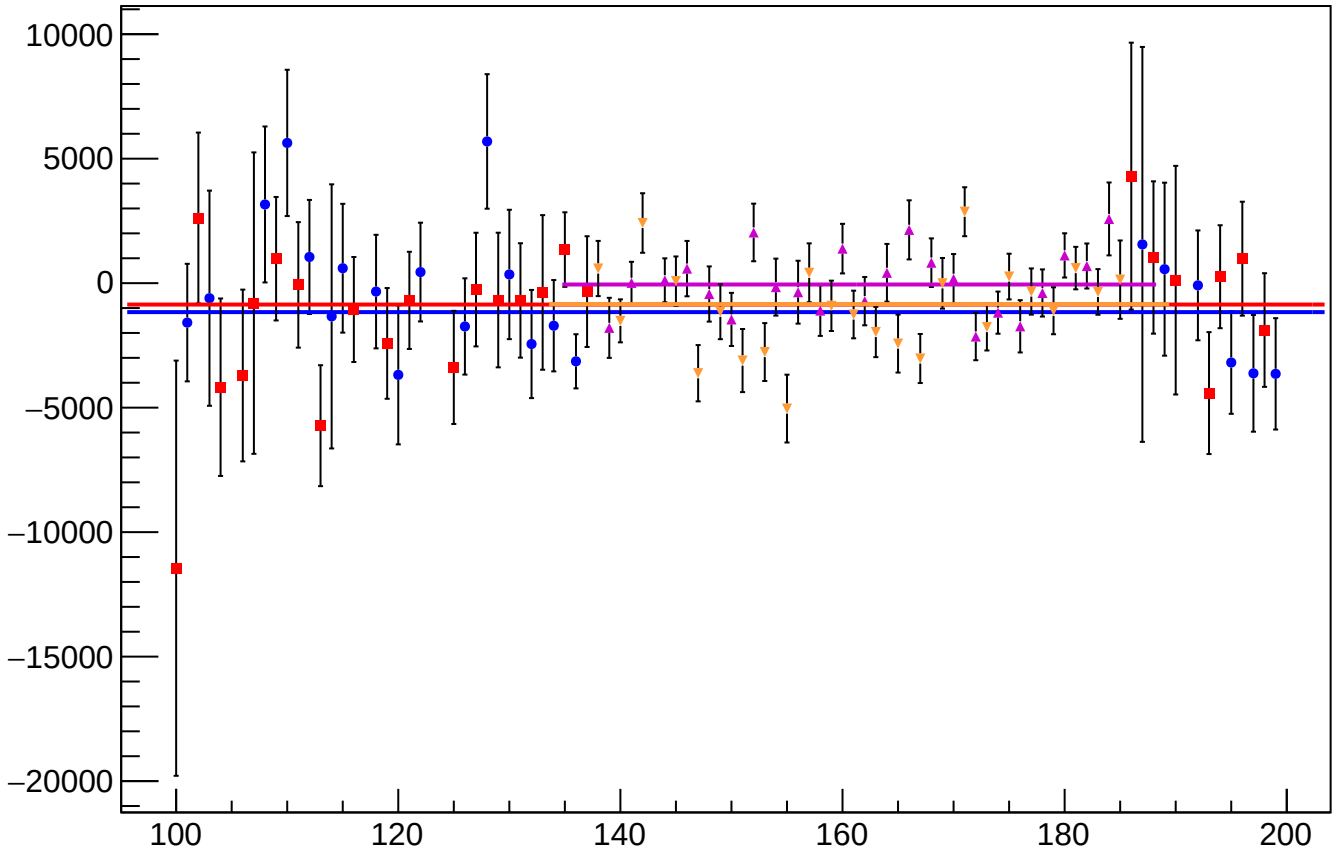
Right Out: 1834.496+/-0.372 χ^2/NDF: 291595.0/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1759.144+/-0.228 χ^2/NDF: 730690.0/45

All: 1764.937+/-0.161 χ^2/NDF: 1072498.8/93

- sign 1770.670+/-0.227 χ^2/NDF: 340525.2/47



Right In: -1163.276+/-486.228 χ^2/NDF: 24.8/21

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -858.987+/-506.031 χ^2/NDF: 17.5/24

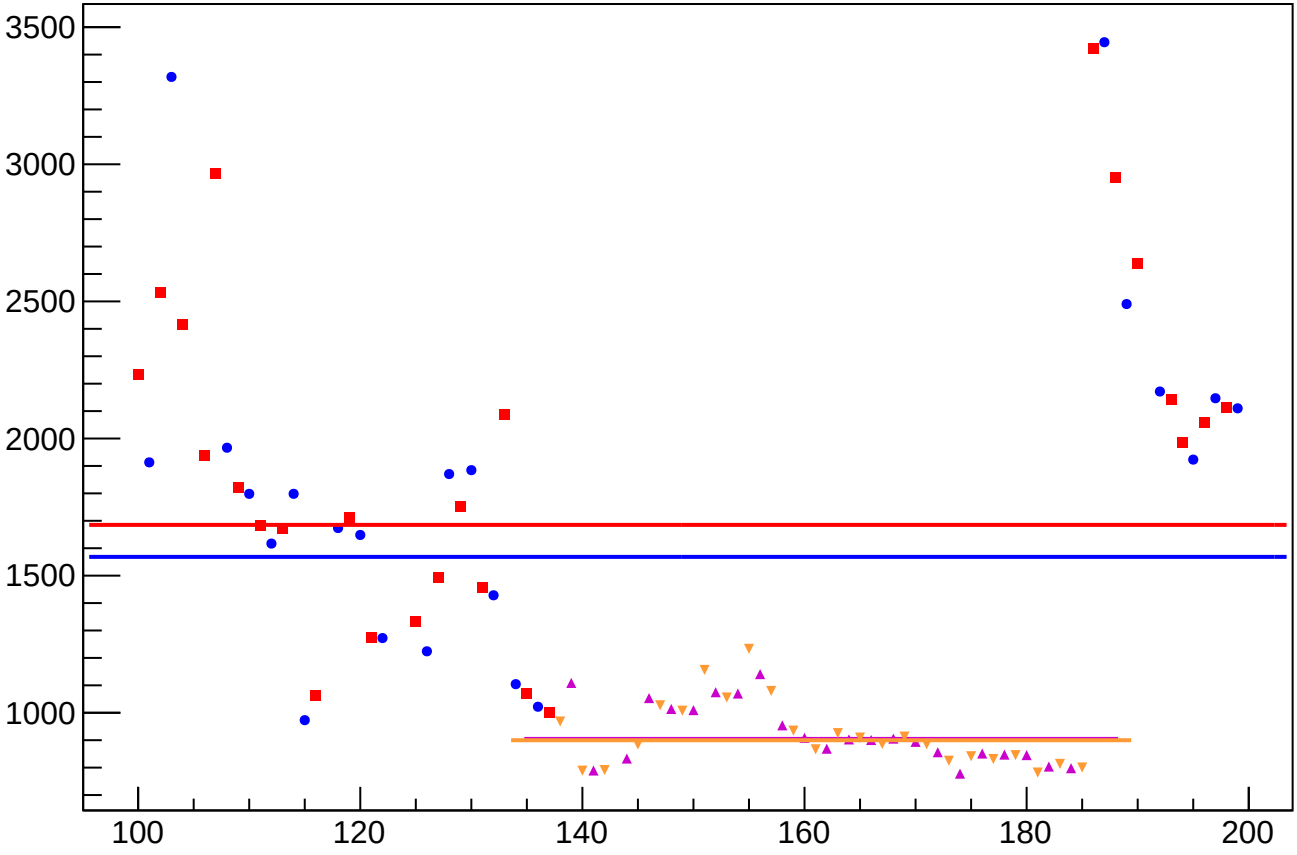
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -893.221+/-193.446 χ^2/NDF: 87.9/45

All: -539.374+/-137.782 χ^2/NDF: 145.0/93

- sign -175.044+/-196.291 χ^2/NDF: 50.3/47

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1568.429+/-0.344 χ^2/NDF: 2036172.3/21

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1685.079+/-0.358 χ^2/NDF: 2103006.7/24

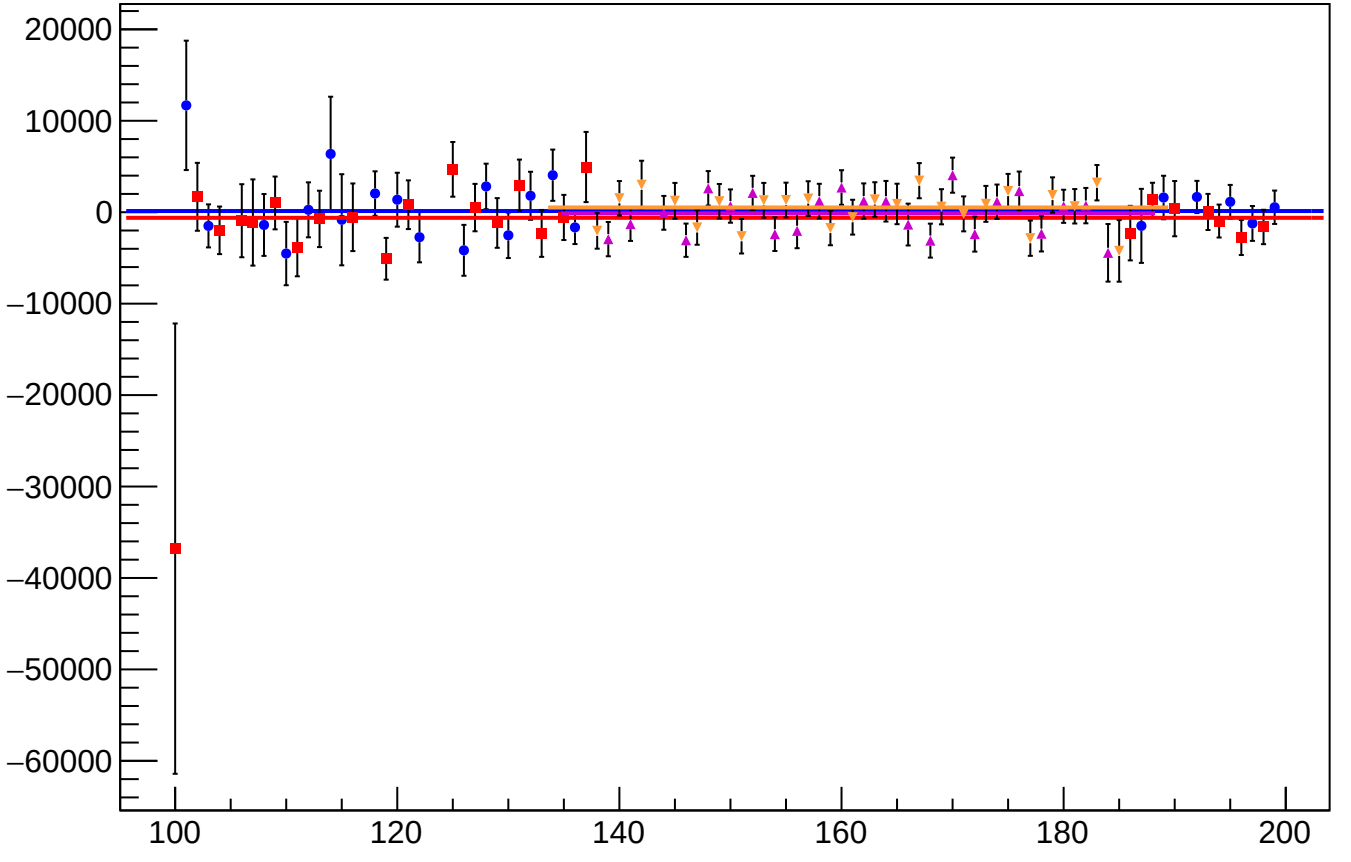
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1005.644+/-0.137 χ^2/NDF: 5714752.3/45

All: 1013.745+/-0.097 χ^2/NDF: 12318369.8/9

- sign 1022.085+/-0.139 χ^2/NDF: 6596499.6/47

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 129.177+/-541.083 χ^2/NDF: 18.2/21

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -611.985+/-527.400 χ^2/NDF: 19.0/24

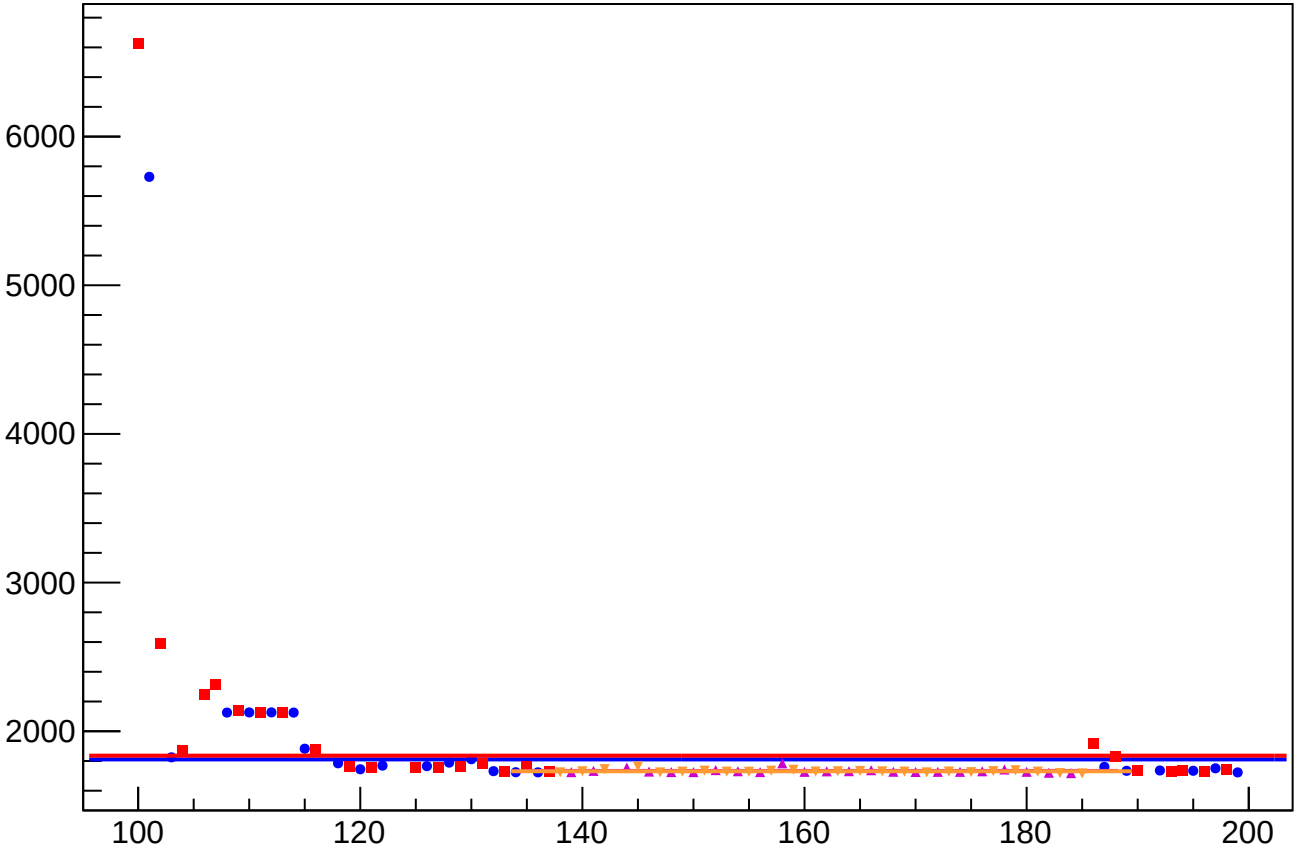
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 381.102+/-322.535 χ^2/NDF: 39.3/45

All: 35.883+/-227.534 χ^2/NDF: 90.7/93

- sign -306.126+/-321.032 χ^2/NDF: 49.0/47

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.7/21

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

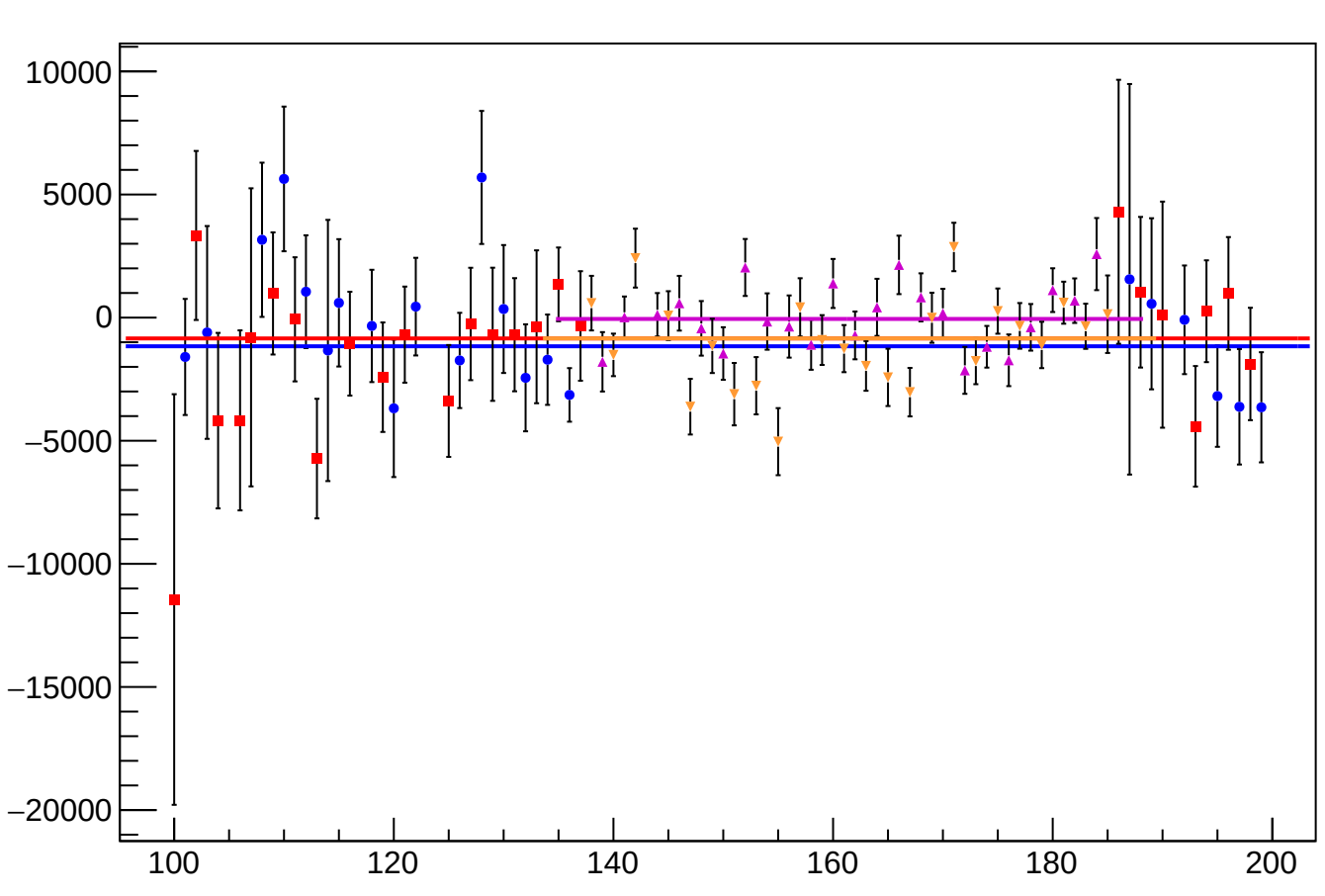
Right Out: 1835.787+/-0.373 χ^2/NDF: 300413.3/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1759.144+/-0.228 χ^2/NDF: 730689.9/45

All: 1765.145+/-0.161 χ^2/NDF: 1082531.1/93

- sign 1771.089+/-0.227 χ^2/NDF: 350463.2/47



Right In: -1163.835+/-486.198 χ^2/NDF: 24.8/21

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -845.603+/-506.629 χ^2/NDF: 18.1/24

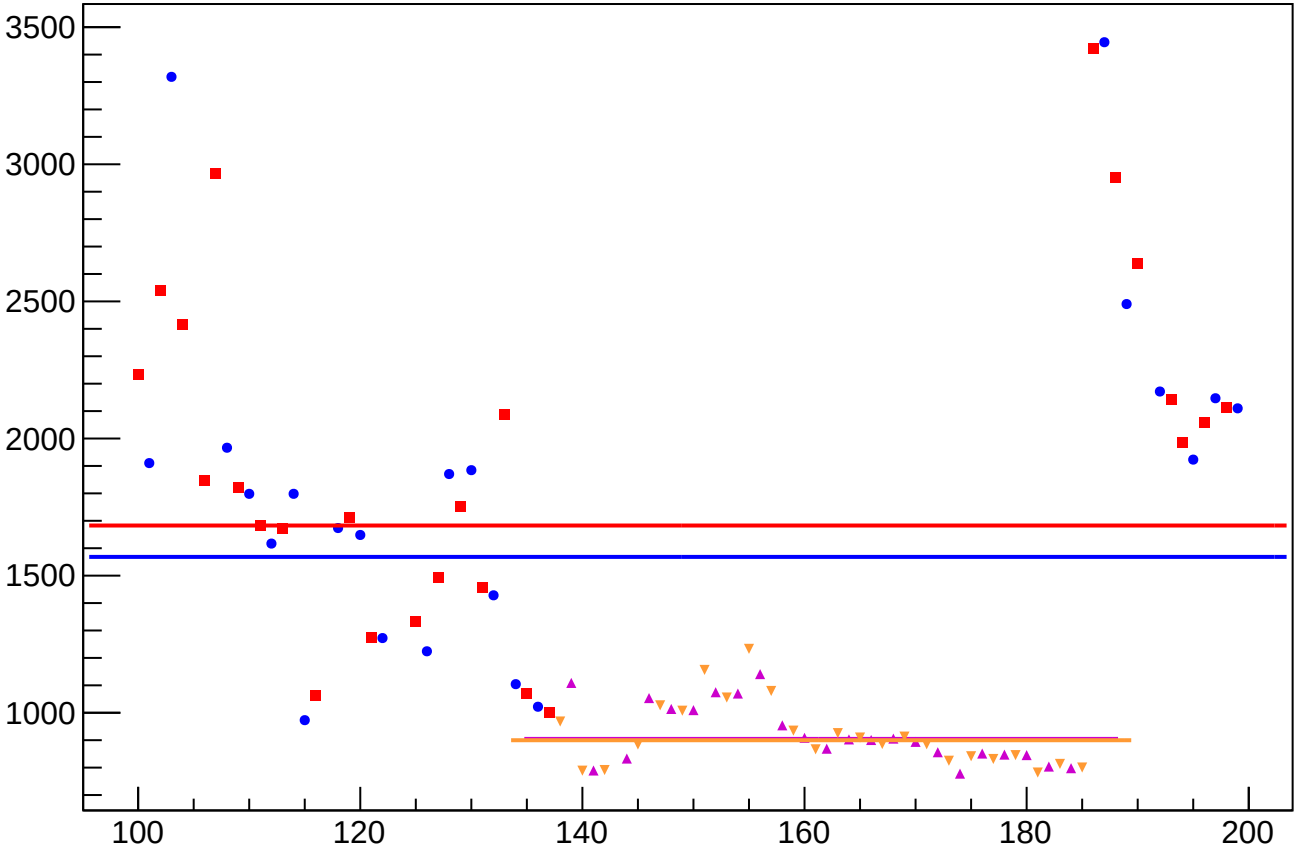
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -893.345+/-193.445 χ^2/NDF: 87.9/45

All: -538.402+/-137.793 χ^2/NDF: 145.6/93

- sign -172.810+/-196.325 χ^2/NDF: 50.9/47

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1568.349+/-0.344 χ^2/NDF: 2035716.2/21

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1682.775+/-0.358 χ^2/NDF: 2097643.9/24

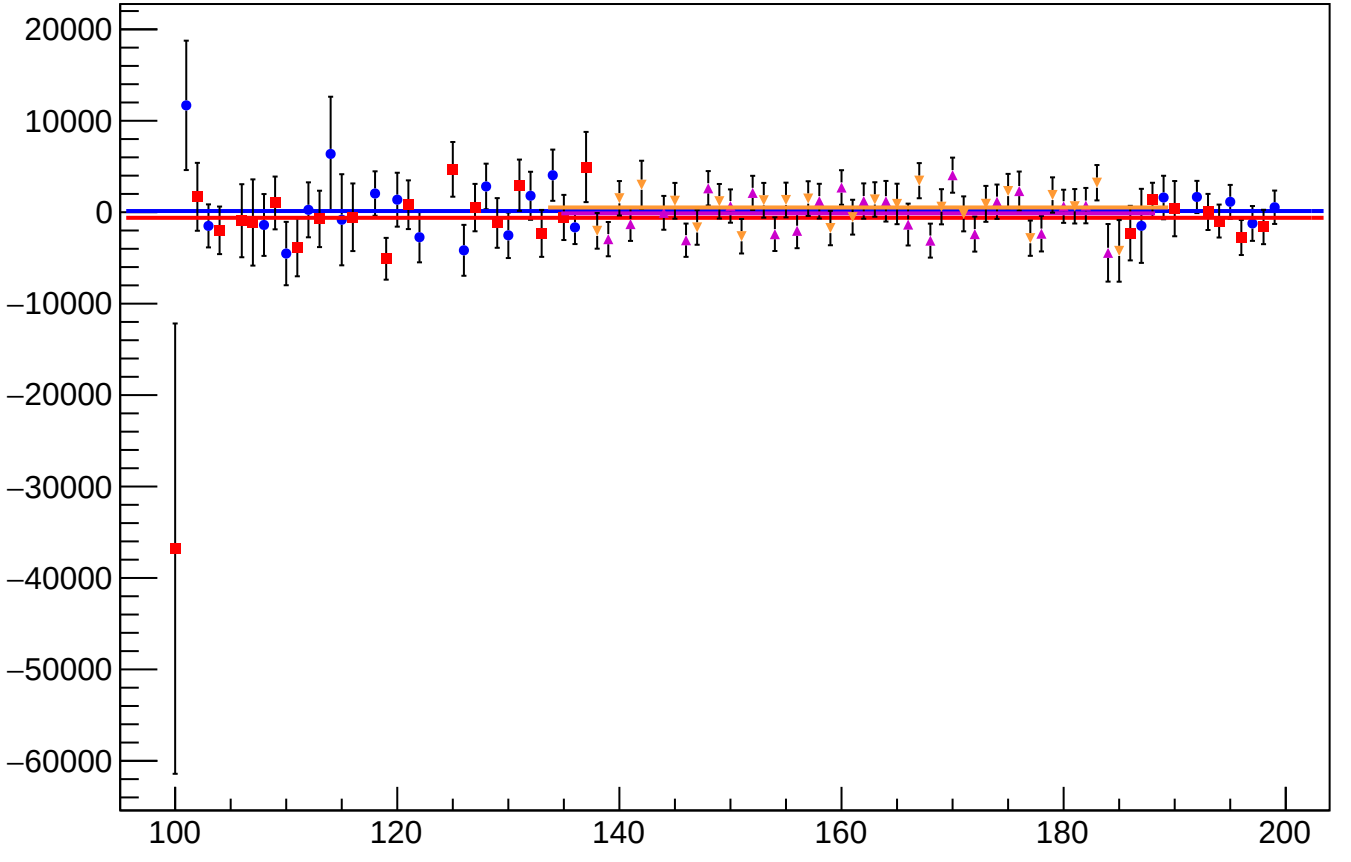
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1005.645+/-0.137 χ^2/NDF: 5713776.3/45

All: 1013.456+/-0.097 χ^2/NDF: 12279694.7/9

- sign 1021.500+/-0.139 χ^2/NDF: 6559299.8/47

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 129.177+/-541.083 χ^2/NDF: 18.2/21

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -611.985+/-527.400 χ^2/NDF: 19.0/24

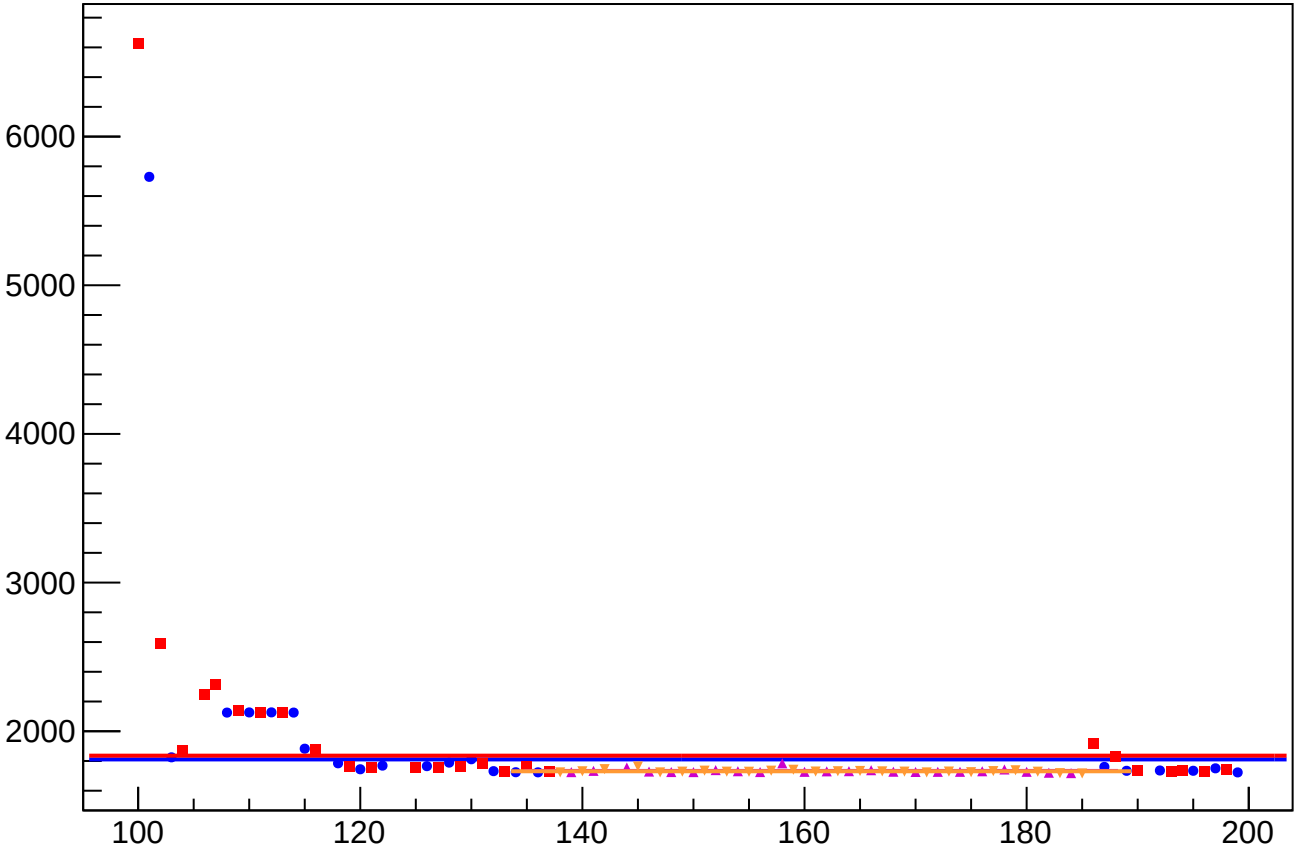
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 381.102+/-322.535 χ^2/NDF: 39.3/45

All: 35.883+/-227.534 χ^2/NDF: 90.7/93

- sign -306.126+/-321.032 χ^2/NDF: 49.0/47

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.7/21

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

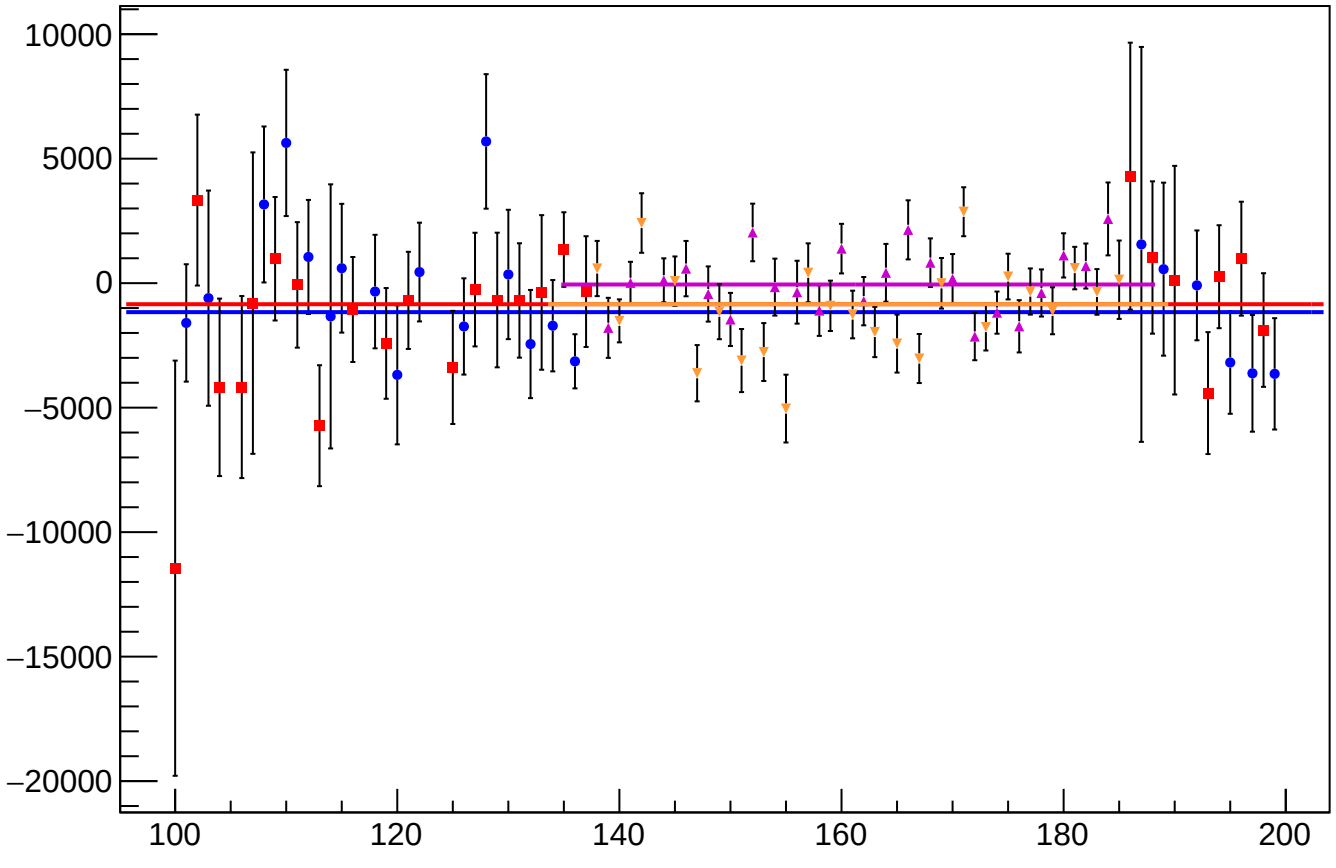
Right Out: 1835.787+/-0.373 χ^2/NDF: 300413.3/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1759.144+/-0.228 χ^2/NDF: 730689.9/45

All: 1765.145+/-0.161 χ^2/NDF: 1082531.1/93

- sign 1771.089+/-0.227 χ^2/NDF: 350463.2/47



Right In: -1163.835+/-486.198 χ^2/NDF: 24.8/21

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

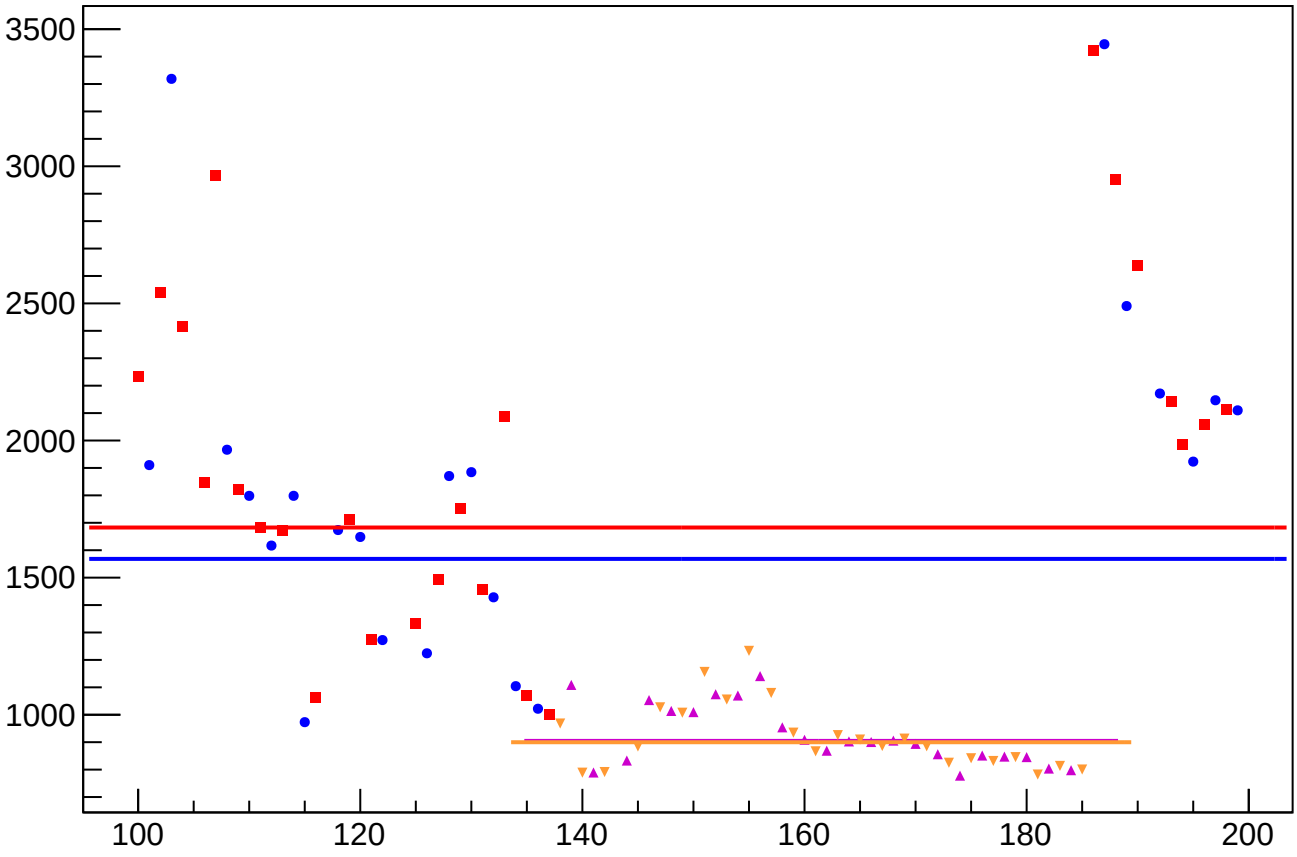
Right Out: -845.603+/-506.629 χ^2/NDF: 18.1/24

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -893.345+/-193.445 χ^2/NDF: 87.9/45

All: -538.402+/-137.793 χ^2/NDF: 145.6/93

- sign -172.810+/-196.325 χ^2/NDF: 50.9/47



Right In: 1568.349+/-0.344 χ^2/NDF: 2035716.2/21

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1682.775+/-0.358 χ^2/NDF: 2097643.9/24

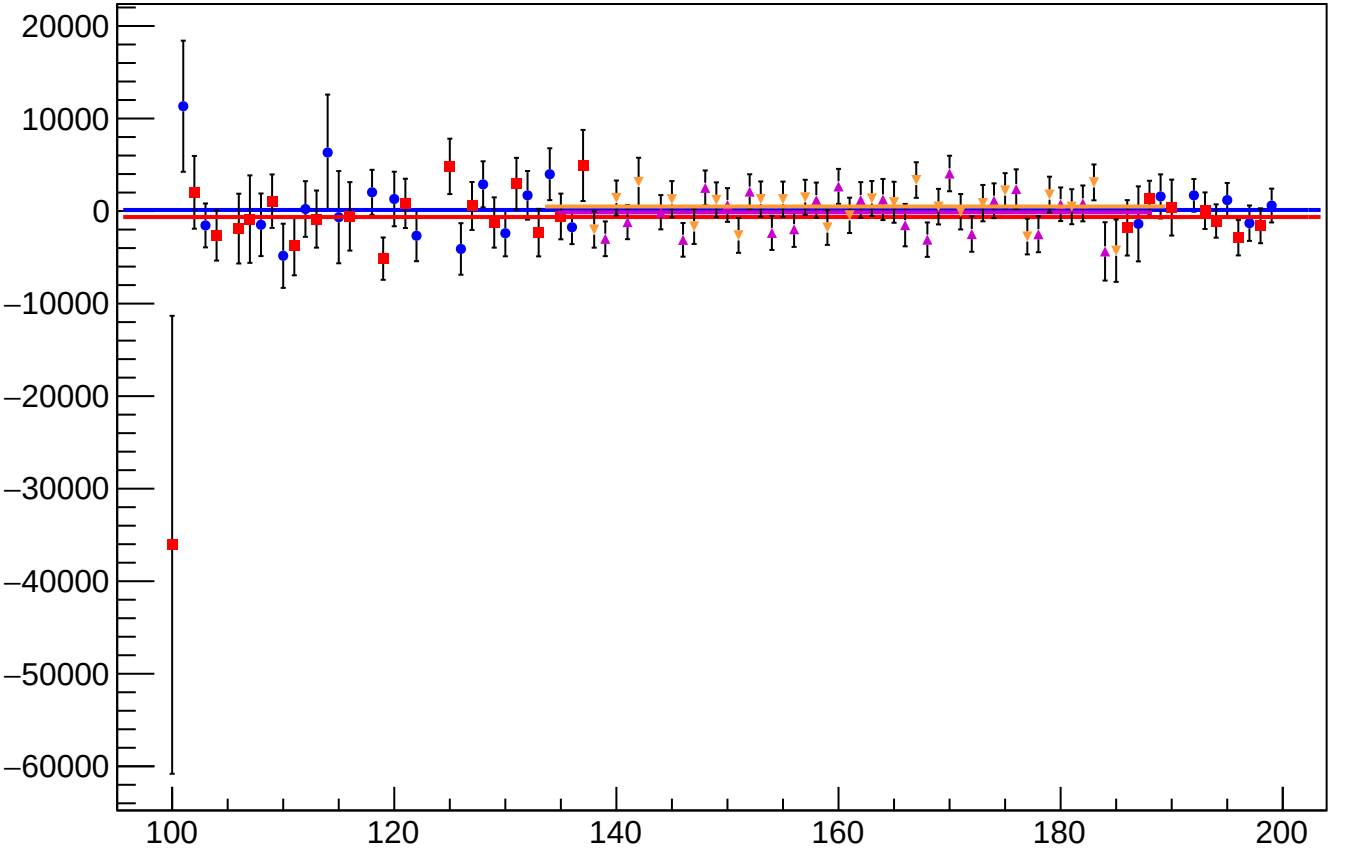
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1005.645+/-0.137 χ^2/NDF: 5713776.3/45

All: 1013.456+/-0.097 χ^2/NDF: 12279694.7/9

- sign 1021.500+/-0.139 χ^2/NDF: 6559299.8/47

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 119.713+/-541.752 χ^2/NDF: 18.2/21

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -644.553+/-528.672 χ^2/NDF: 19.7/24

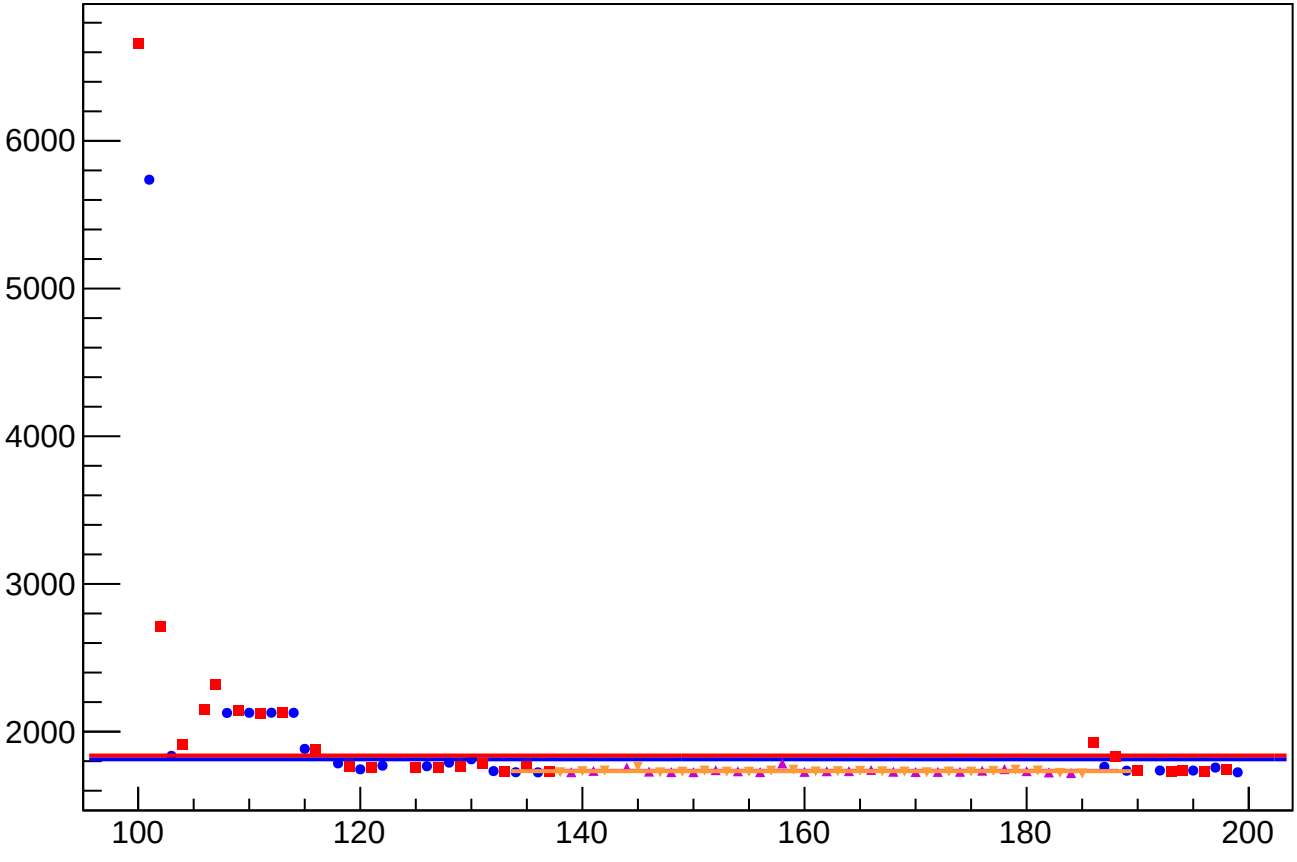
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 361.641+/-322.866 χ^2/NDF: 38.6/45

All: 16.963+/-227.816 χ^2/NDF: 90.7/93

- sign -324.806+/-321.500 χ^2/NDF: 49.8/47

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1812.544+/-0.383 χ^2/NDF: 701935.2/21

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

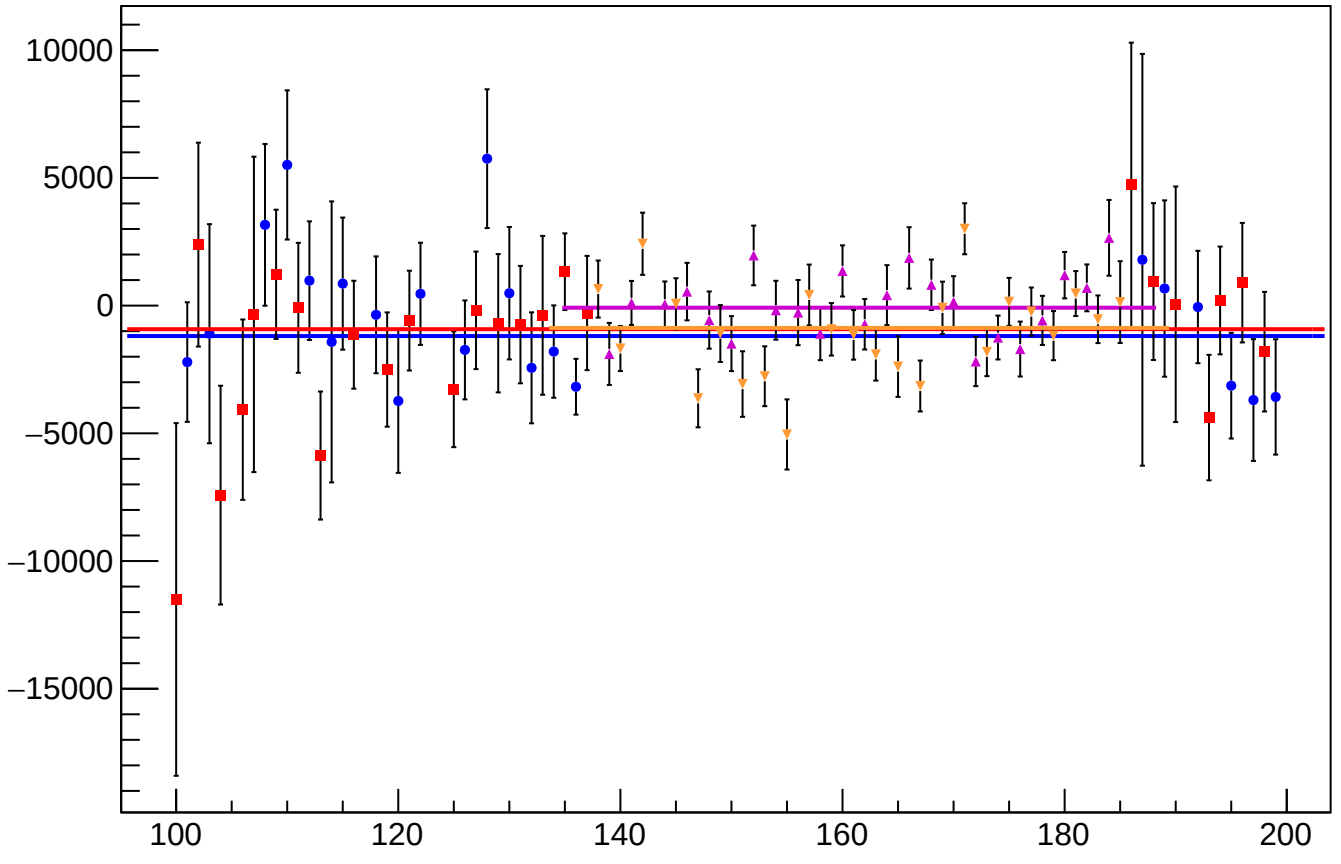
Right Out: 1838.433+/-0.374 χ^2/NDF: 310785.4/24

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1760.858+/-0.228 χ^2/NDF: 731077.7/45

All: 1766.945+/-0.161 χ^2/NDF: 1094142.1/93

- sign 1772.980+/-0.227 χ^2/NDF: 361648.9/47



Right In: -1191.745+/-487.523 χ^2/NDF: 25.0/21

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

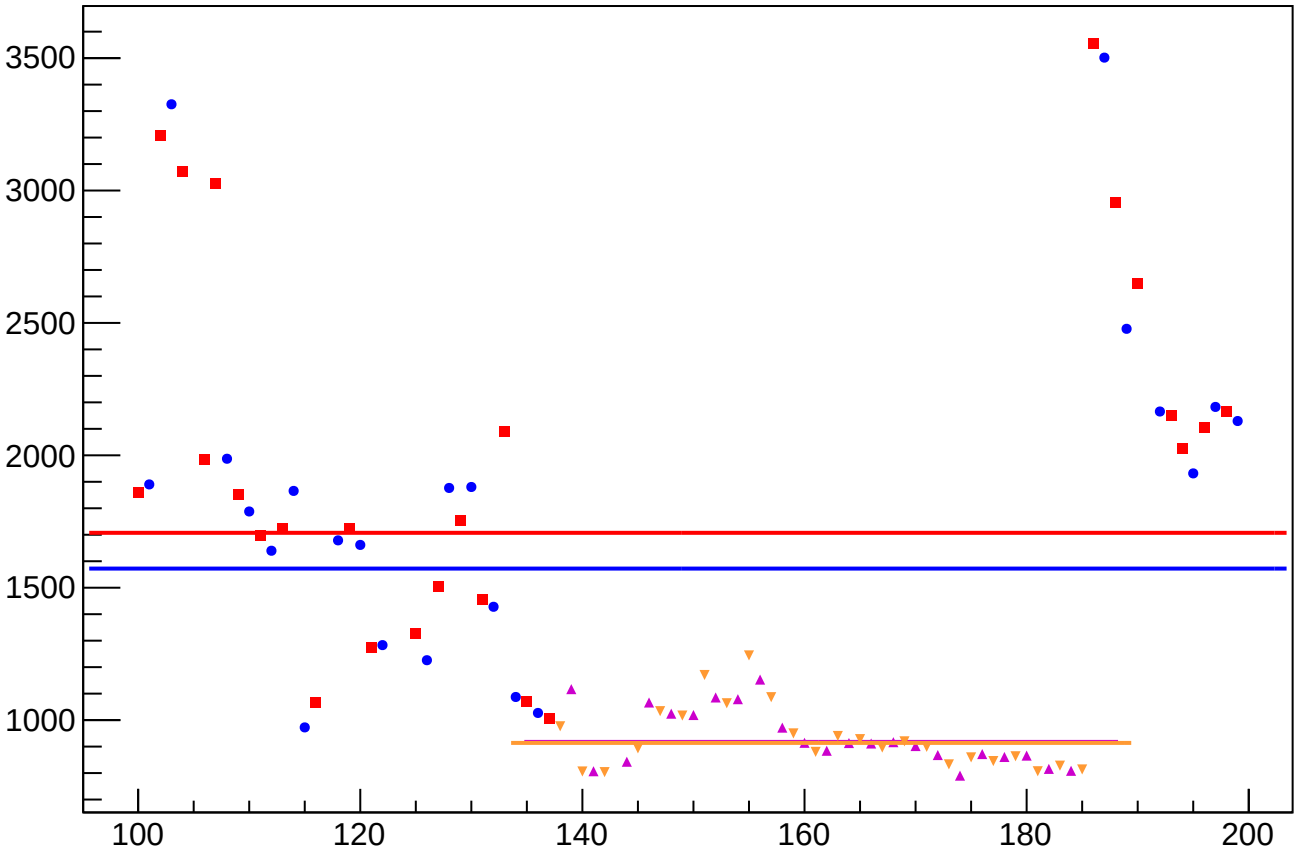
Right Out: -923.181+/-513.122 χ^2/NDF: 19.4/24

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -924.352+/-195.959 χ^2/NDF: 87.4/45

All: -571.776+/-139.631 χ^2/NDF: 145.6/93

- sign -208.126+/-199.012 χ^2/NDF: 51.7/47



Right In: 1572.257+/-0.345 χ^2/NDF: 2058663.6/21

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

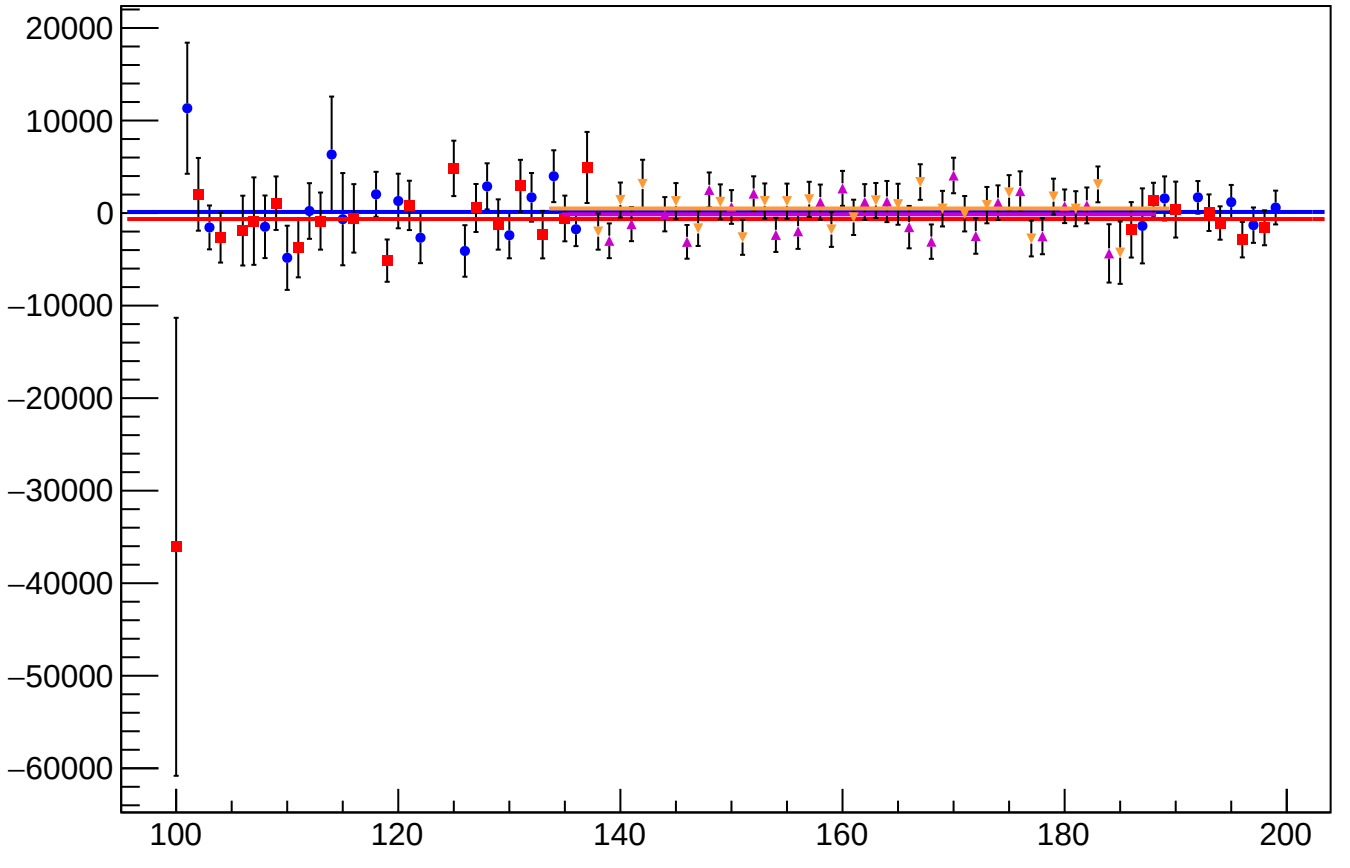
Right Out: 1707.295+/-0.363 χ^2/NDF: 2441026.4/24

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1020.264+/-0.139 χ^2/NDF: 5579495.9/45

All: 1028.233+/-0.099 χ^2/NDF: 12481467.8/9

- sign 1036.453+/-0.141 χ^2/NDF: 6895252.7/47



Right In: 119.715+/-541.752 χ^2/NDF: 18.2/21

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -644.552+/-528.672 χ^2/NDF: 19.7/24

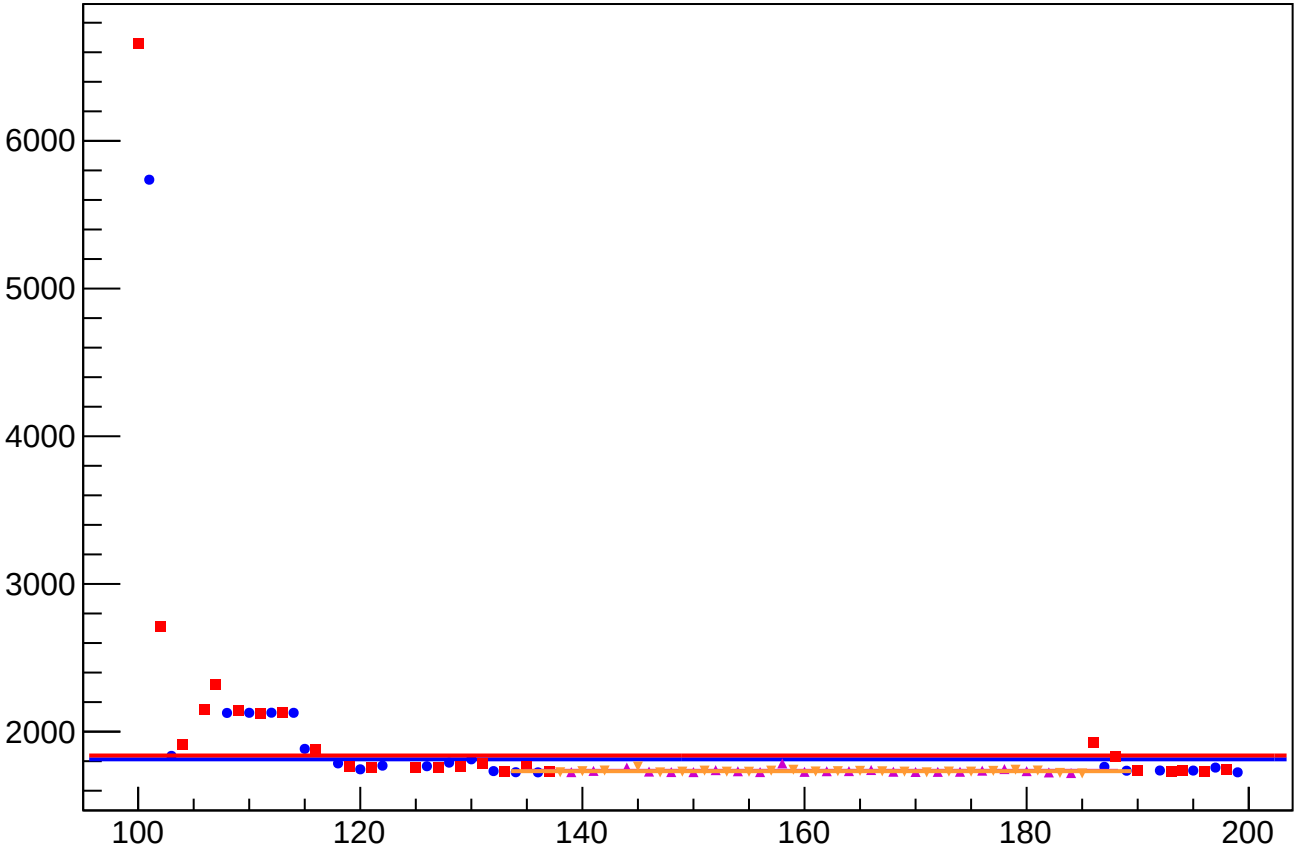
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 361.642+/-322.866 χ^2/NDF: 38.6/45

All: 16.964+/-227.816 χ^2/NDF: 90.7/93

- sign -324.806+/-321.500 χ^2/NDF: 49.8/47

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1812.544+/-0.383 χ^2/NDF: 701935.2/21

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

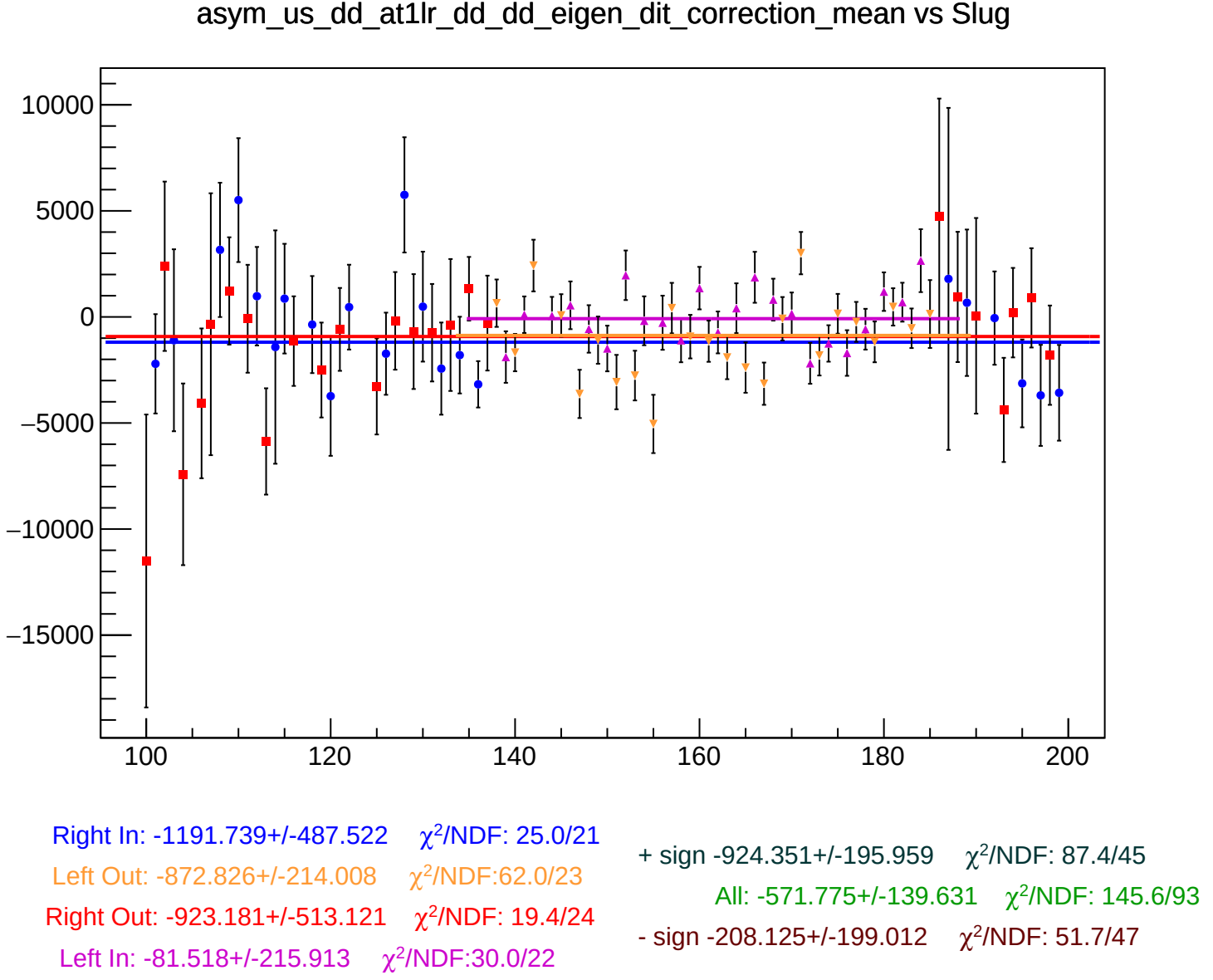
Right Out: 1838.433+/-0.374 χ^2/NDF: 310785.2/24

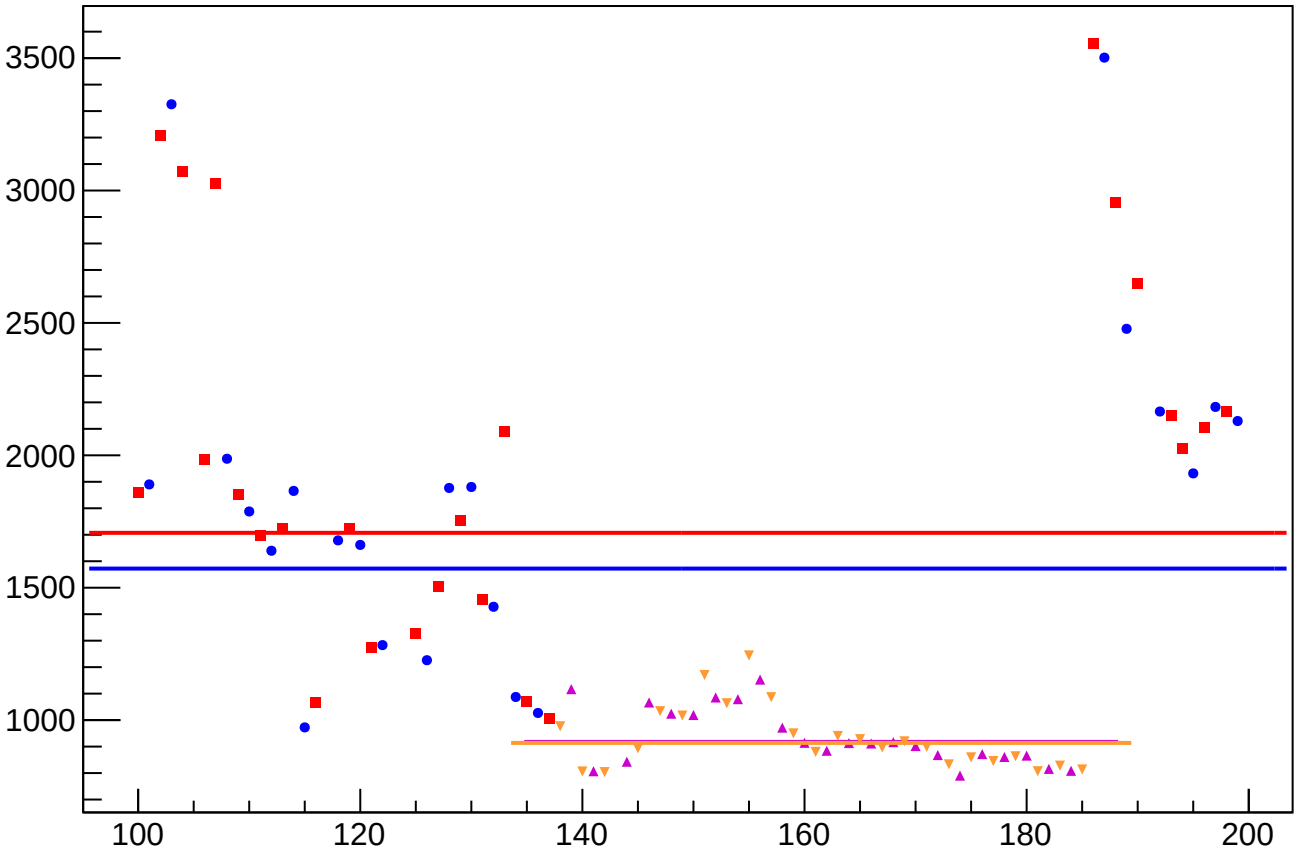
Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1760.858+/-0.228 χ^2/NDF: 731077.7/45

All: 1766.944+/-0.161 χ^2/NDF: 1094141.8/93

- sign 1772.980+/-0.227 χ^2/NDF: 361648.6/47


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1191.739+/-487.522 χ²/NDF: 25.0/21
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 -924.351+/-195.959 χ²/NDF: 87.4/45
All: -571.775+/-139.631 χ²/NDF: 145.6/93
- sign -208.125+/-199.012 χ²/NDF: 51.7/47



Right In: 1572.254+/-0.345 χ^2/NDF: 2058668.6/21

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

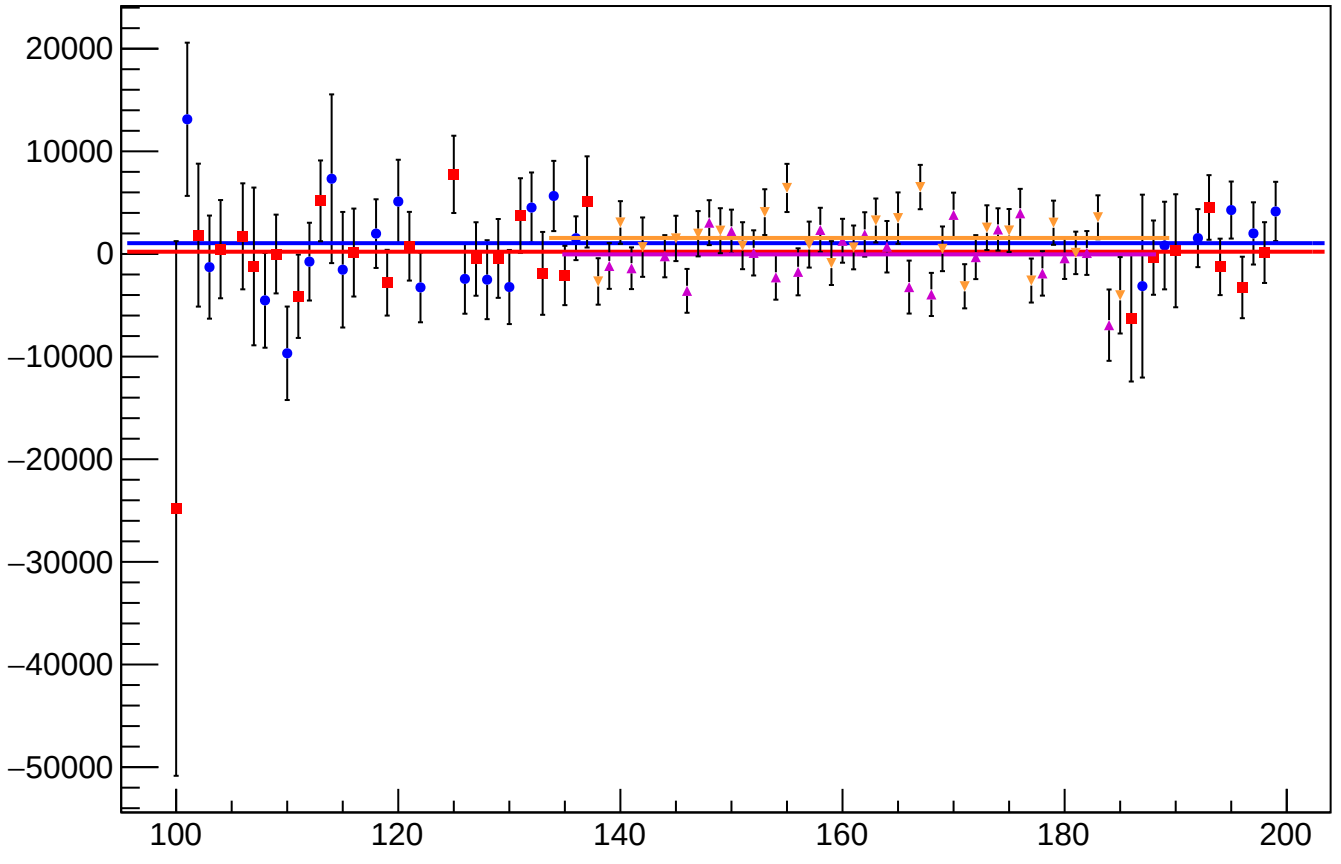
Right Out: 1707.293+/-0.363 χ^2/NDF: 2441033.2/24

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1020.264+/-0.139 χ^2/NDF: 5579492.2/45

All: 1028.233+/-0.099 χ^2/NDF: 12481469.2/9

- sign 1036.452+/-0.141 χ^2/NDF: 6895257.8/47



Right In: 1052.033+/-772.033 χ^2/NDF: 22.6/21

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 219.096+/-773.164 χ^2/NDF: 16.5/24

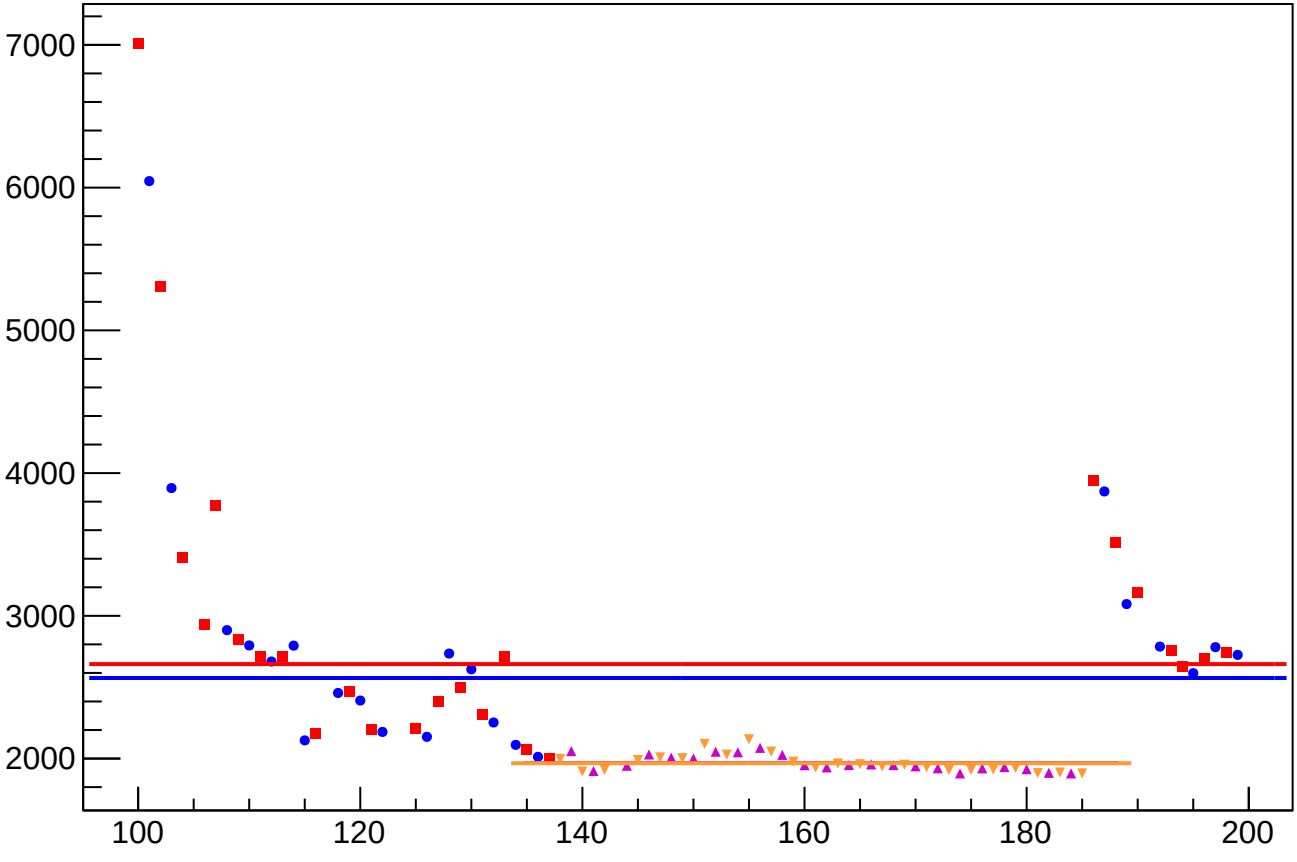
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1429.249+/-393.190 χ^2/NDF: 54.1/45

All: 732.249+/-278.765 χ^2/NDF: 104.9/93

- sign 27.808+/-395.284 χ^2/NDF: 44.4/47

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2564.531+/-0.546 χ^2/NDF: 959611.6/21

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

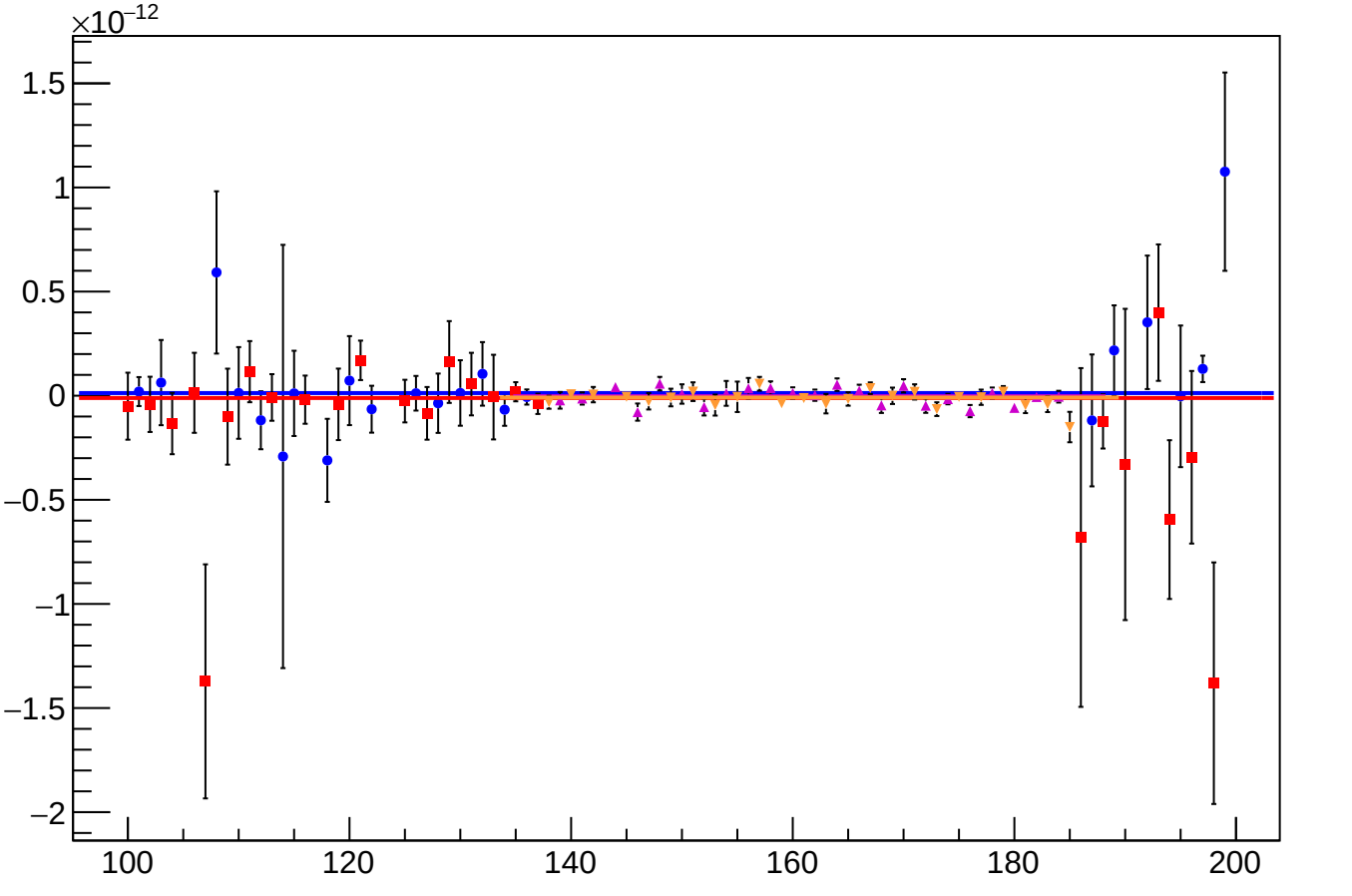
Right Out: 2661.899+/-0.547 χ^2/NDF: 926021.5/24

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2122.294+/-0.278 χ^2/NDF: 1879904.7/45

All: 2136.137+/-0.197 χ^2/NDF: 4023804.7/93

- sign 2150.128+/-0.280 χ^2/NDF: 2138915.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

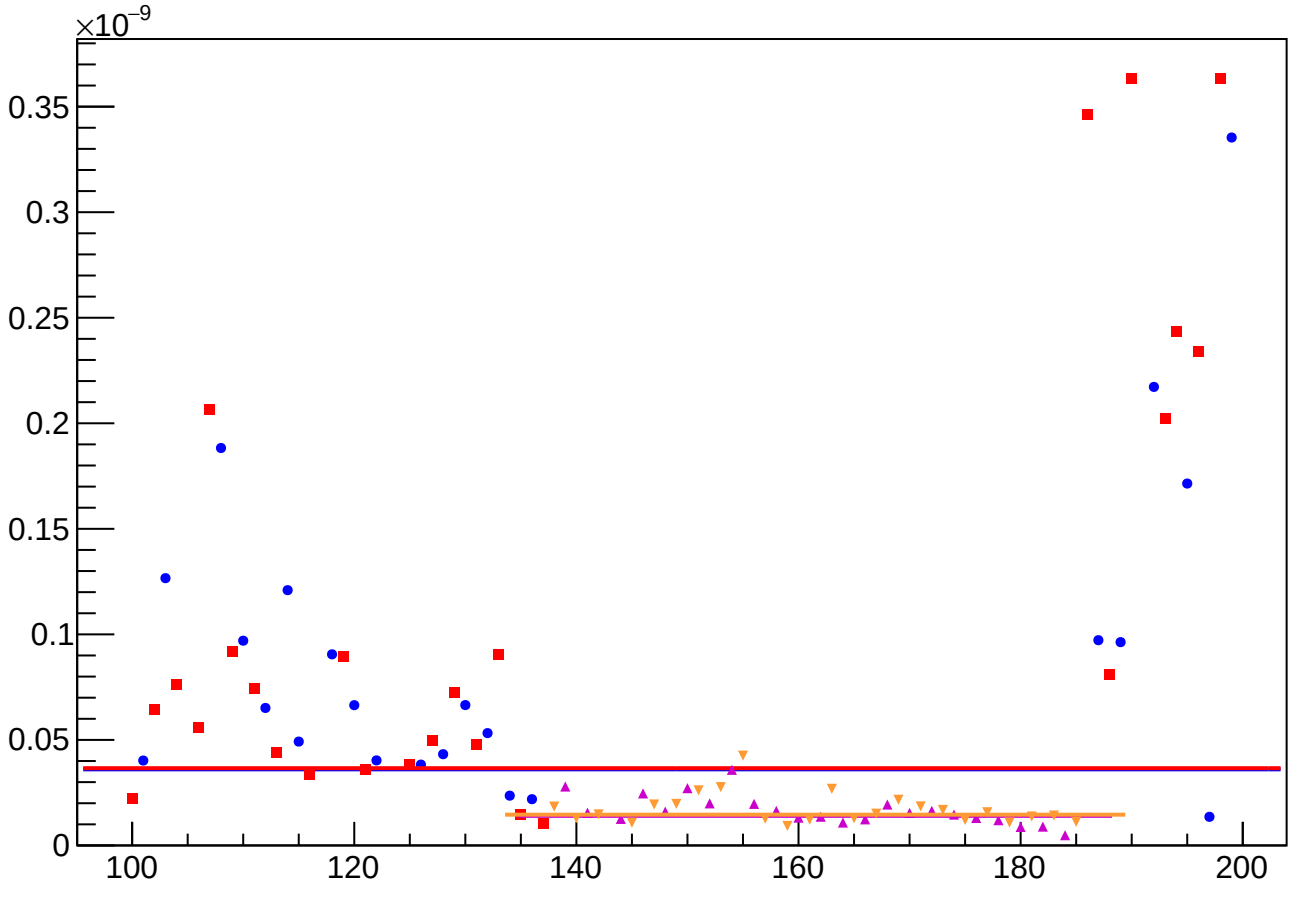
Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/24

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/45

All: -0.000+/-0.000 χ^2/NDF: 104.5/93

- sign -0.000+/-0.000 χ^2/NDF: 64.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 3848419.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5255362.2/24

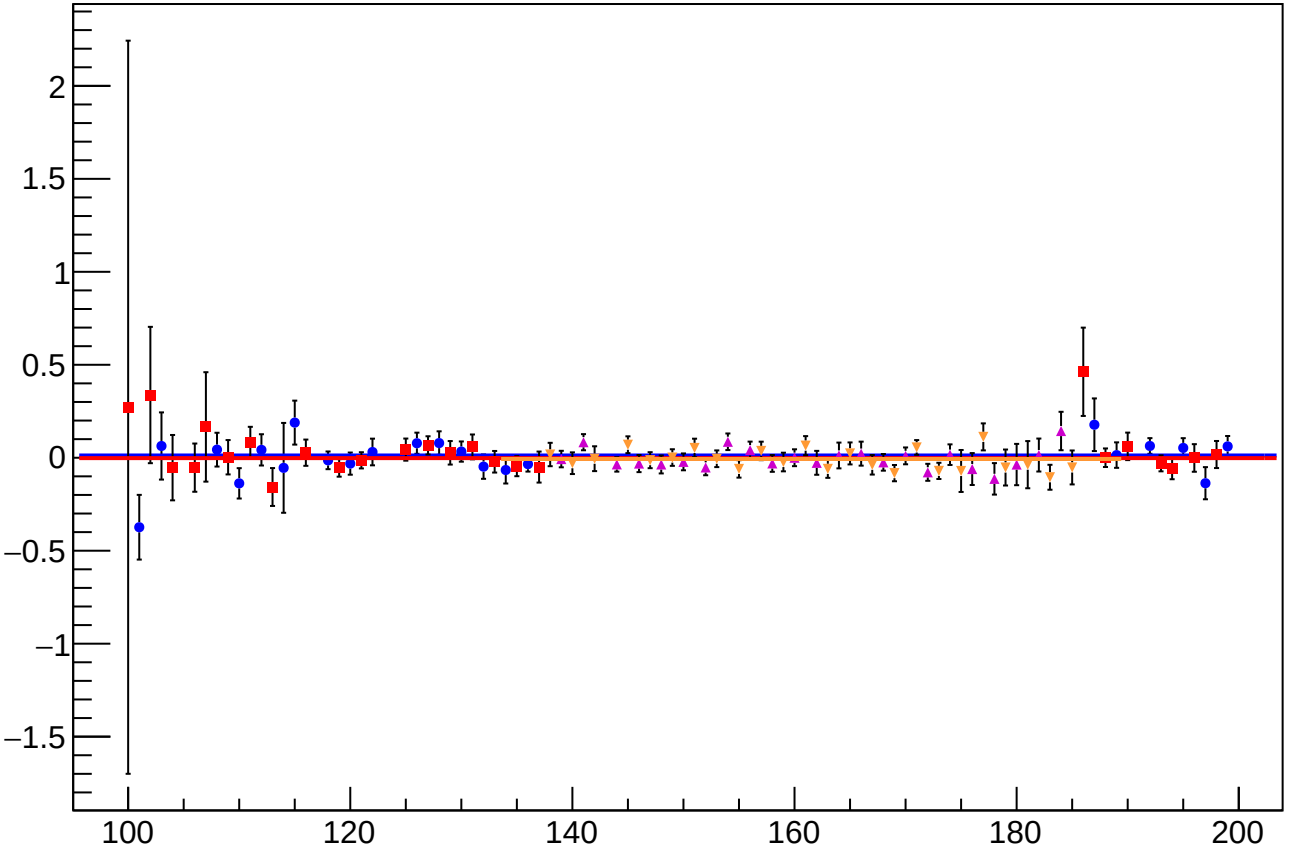
Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6700962.5/45

All: 0.000+/-0.000 χ^2/NDF: 15085947.3/93

- sign 0.000+/-0.000 χ^2/NDF: 8372506.0/47

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.014 χ^2/NDF: 17.0/24

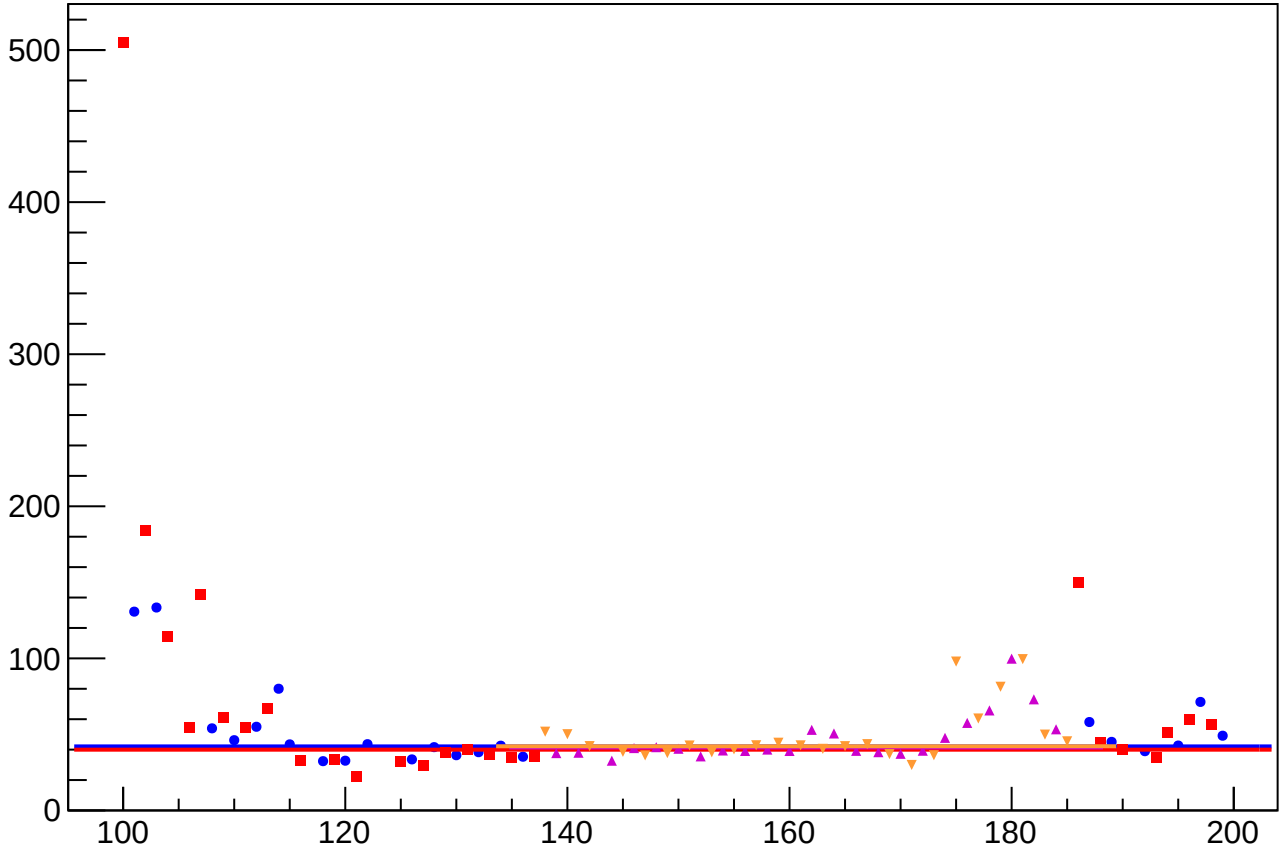
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 50.0/45

All: -0.002+/-0.006 χ^2/NDF: 87.3/93

- 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: 42.114+/-0.010 χ^2/NDF: 1732846.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

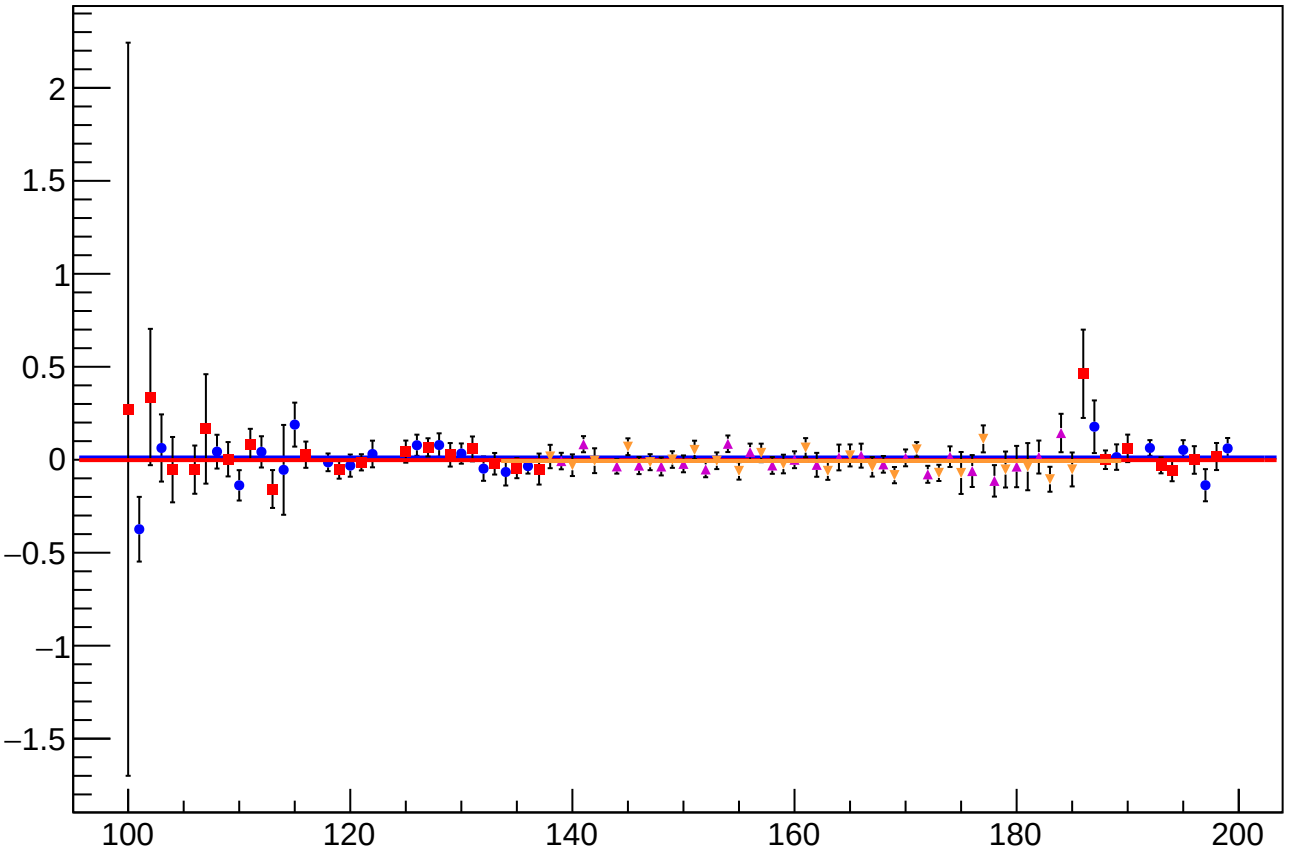
Right Out: 39.964+/-0.010 χ^2/NDF: 2703101.6/24

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 42.173+/-0.006 χ^2/NDF: 3552273.5/45

All: 41.502+/-0.004 χ^2/NDF: 7705408.3/93

- sign 40.860+/-0.006 χ^2/NDF: 4129428.8/47



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

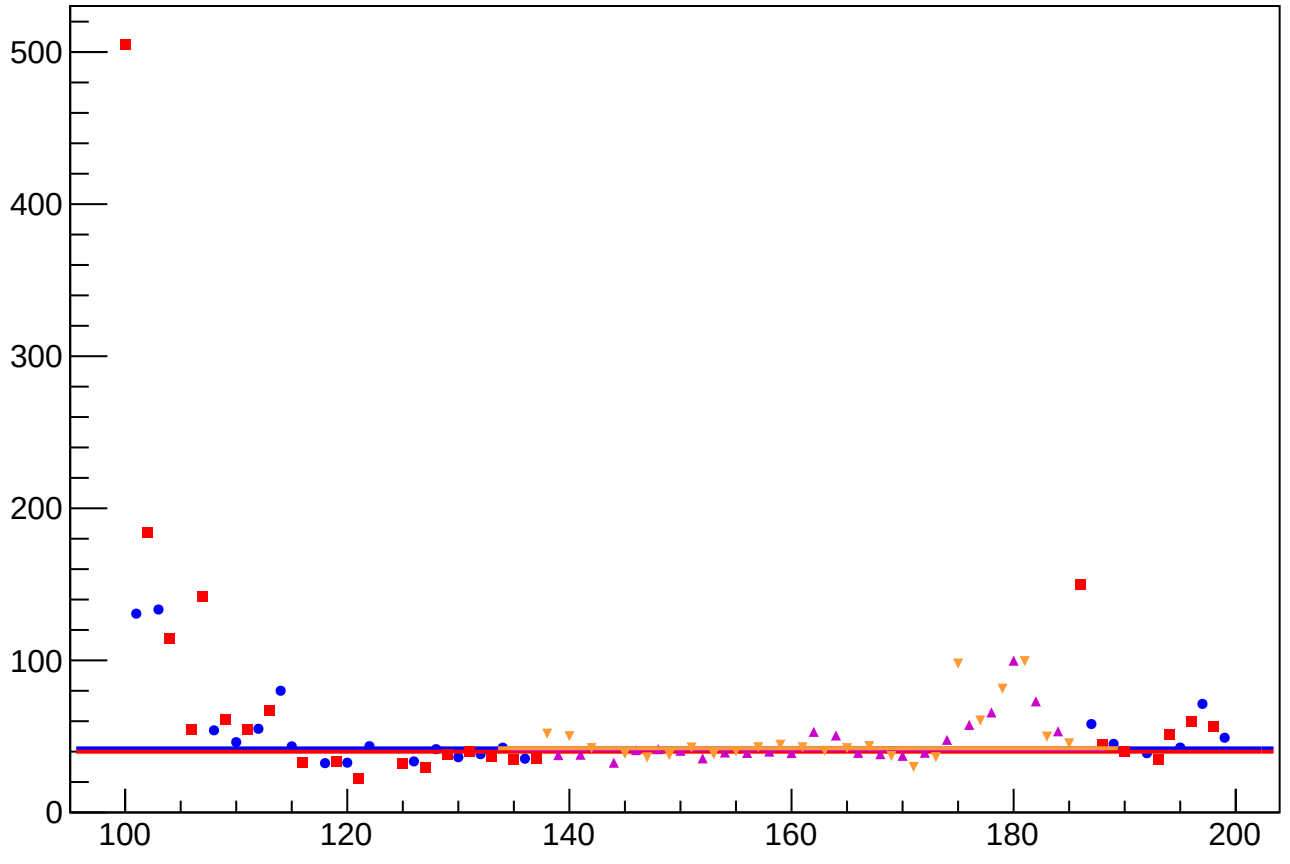
Right Out: -0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 50.0/45

All: -0.002+/-0.006 χ^2/NDF: 87.3/93

- sign -0.005+/-0.008 χ^2/NDF: 37.1/47



Right In: 42.114+/-0.010 χ^2/NDF: 1732846.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

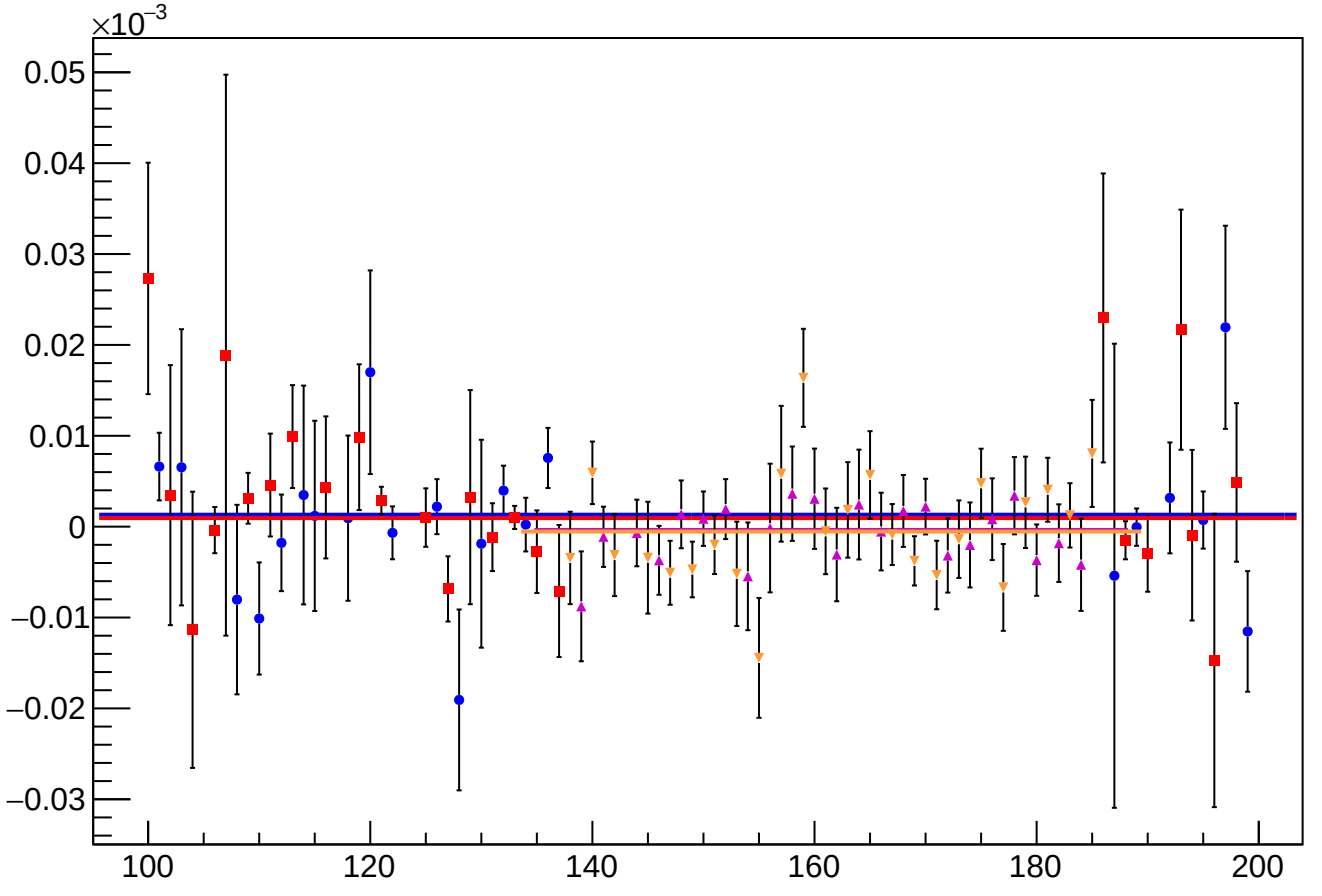
Right Out: 39.964+/-0.010 χ^2/NDF: 2703101.6/24

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 42.173+/-0.006 χ^2/NDF: 3552273.5/45

All: 41.502+/-0.004 χ^2/NDF: 7705408.3/93

- sign 40.860+/-0.006 χ^2/NDF: 4129428.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 25.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

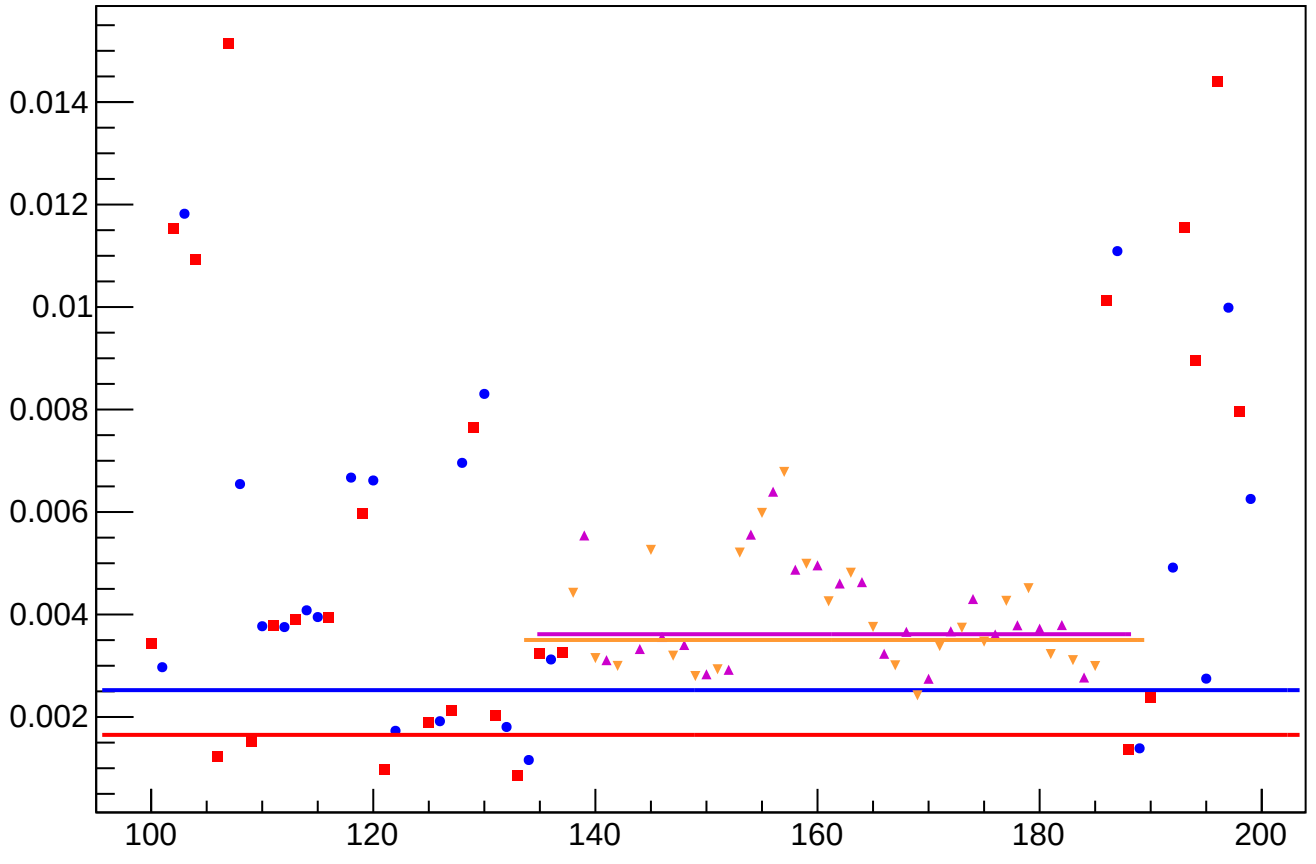
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/24

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/45

All: 0.000+/-0.000 χ^2/NDF: 103.0/93

- sign 0.000+/-0.000 χ^2/NDF: 38.0/47



Right In: 0.003+/-0.000 χ^2/NDF: 6460588.8/21

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

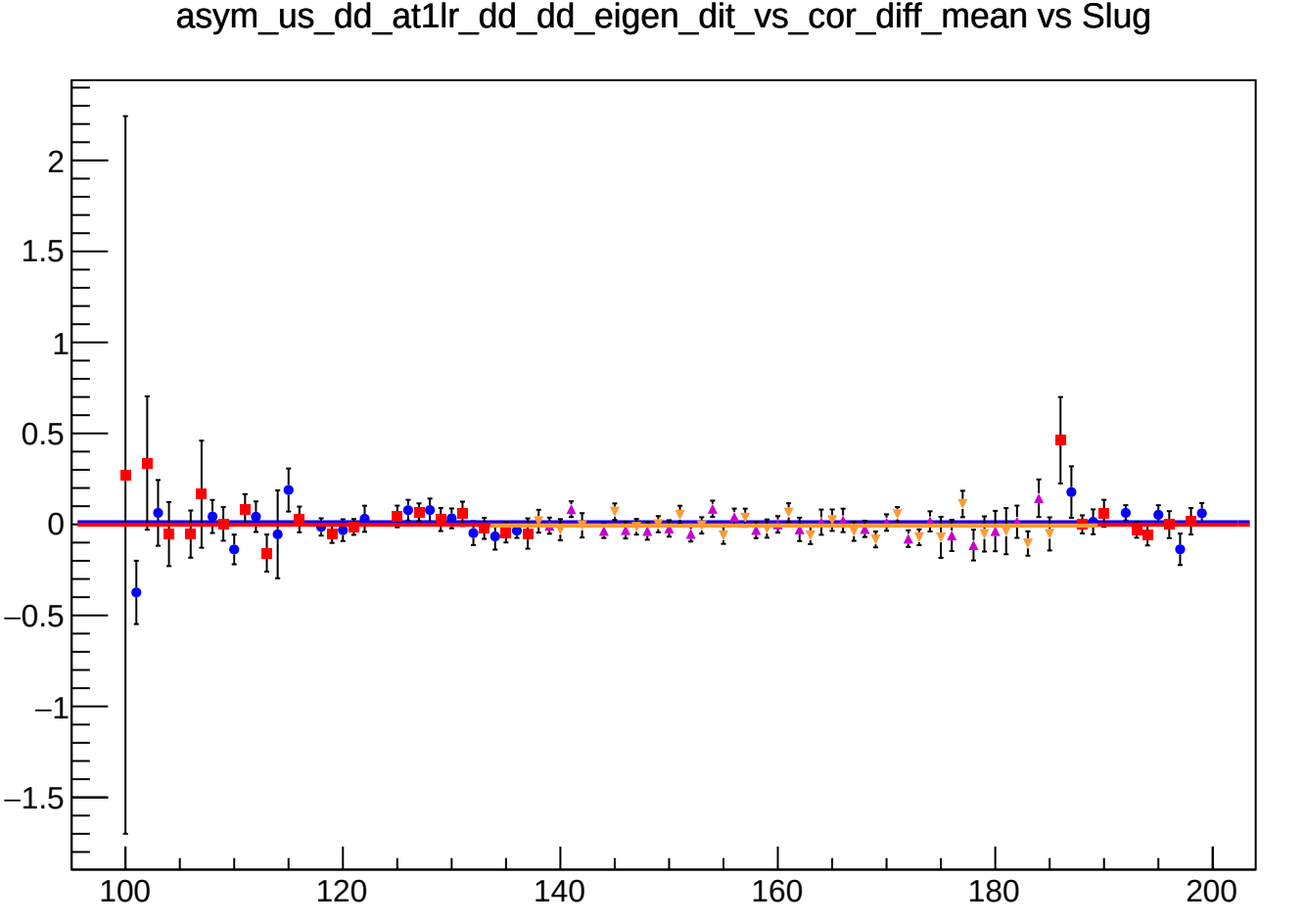
Right Out: 0.002+/-0.000 χ^2/NDF: 10956366.9/24

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 9871511.3/45

All: 0.003+/-0.000 χ^2/NDF: 29970081.8/93

- sign 0.002+/-0.000 χ^2/NDF: 18860694.6/47



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

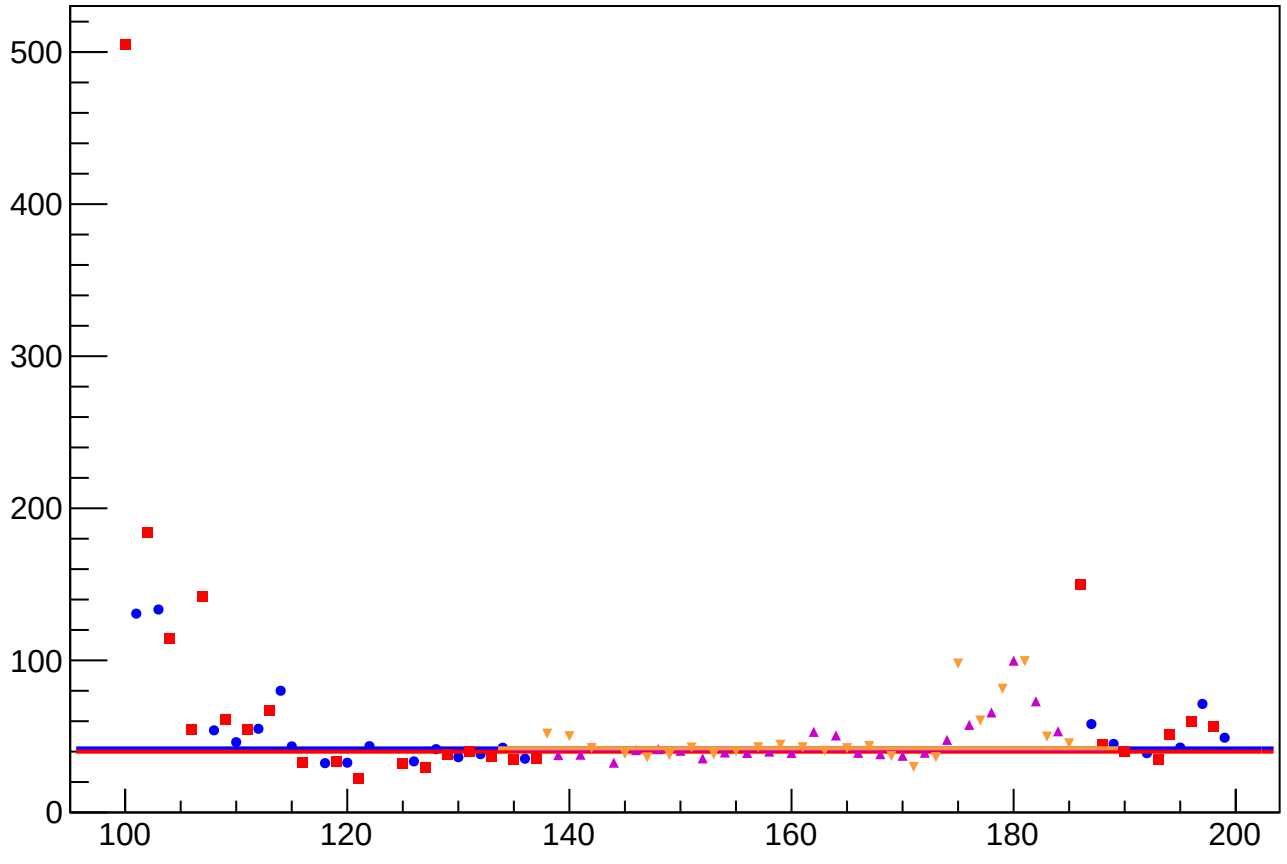
Right Out: -0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 50.0/45

All: -0.002+/-0.006 χ^2/NDF: 87.3/93

- sign -0.005+/-0.008 χ^2/NDF: 37.1/47



Right In: 42.115+/-0.010 χ^2/NDF: 1732727.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

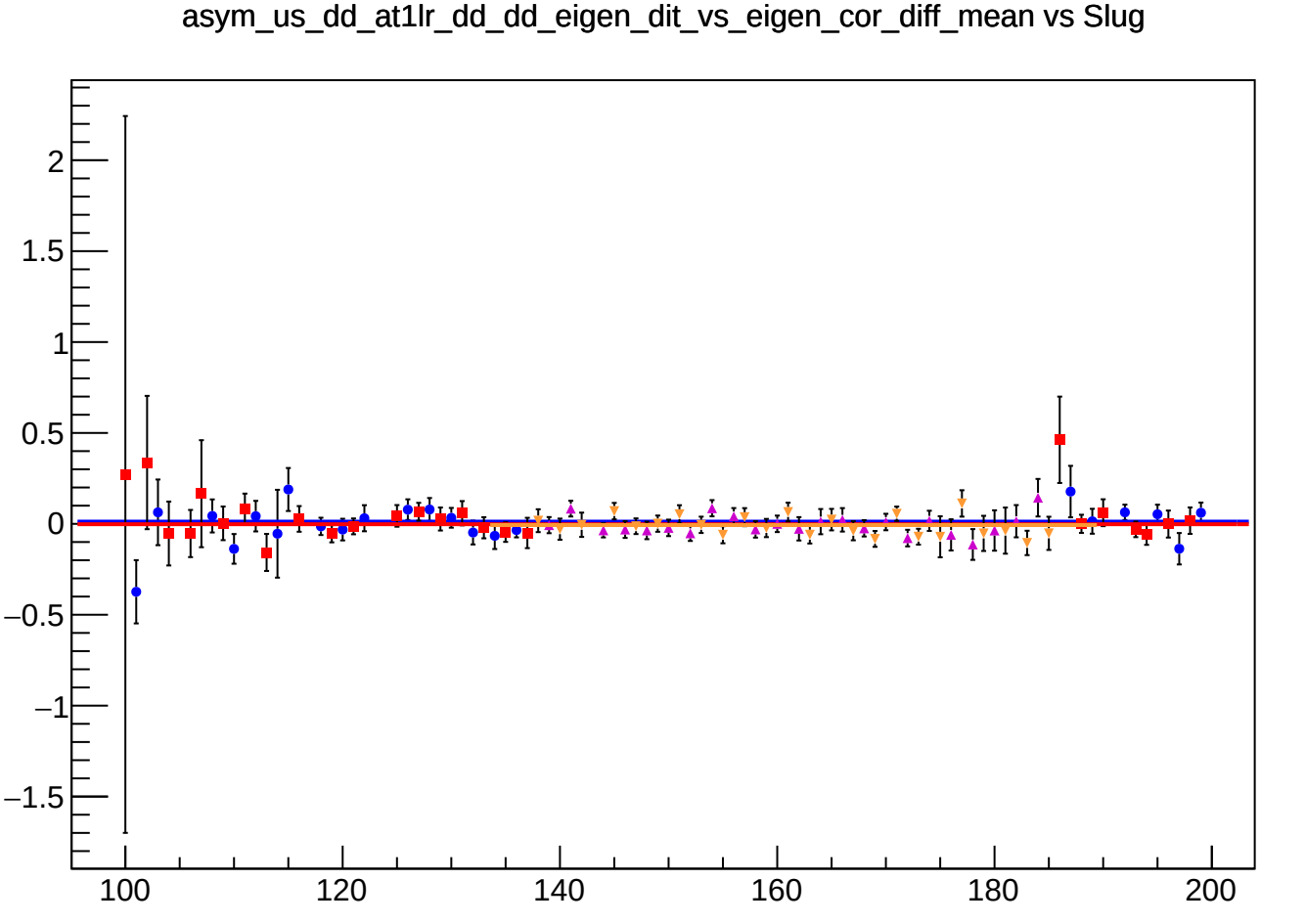
Right Out: 39.963+/-0.010 χ^2/NDF: 2703209.9/24

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 42.173+/-0.006 χ^2/NDF: 3552160.5/45

All: 41.501+/-0.004 χ^2/NDF: 7705372.6/93

\- sign 40.860+/-0.006 χ^2/NDF: 4129486.8/47



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

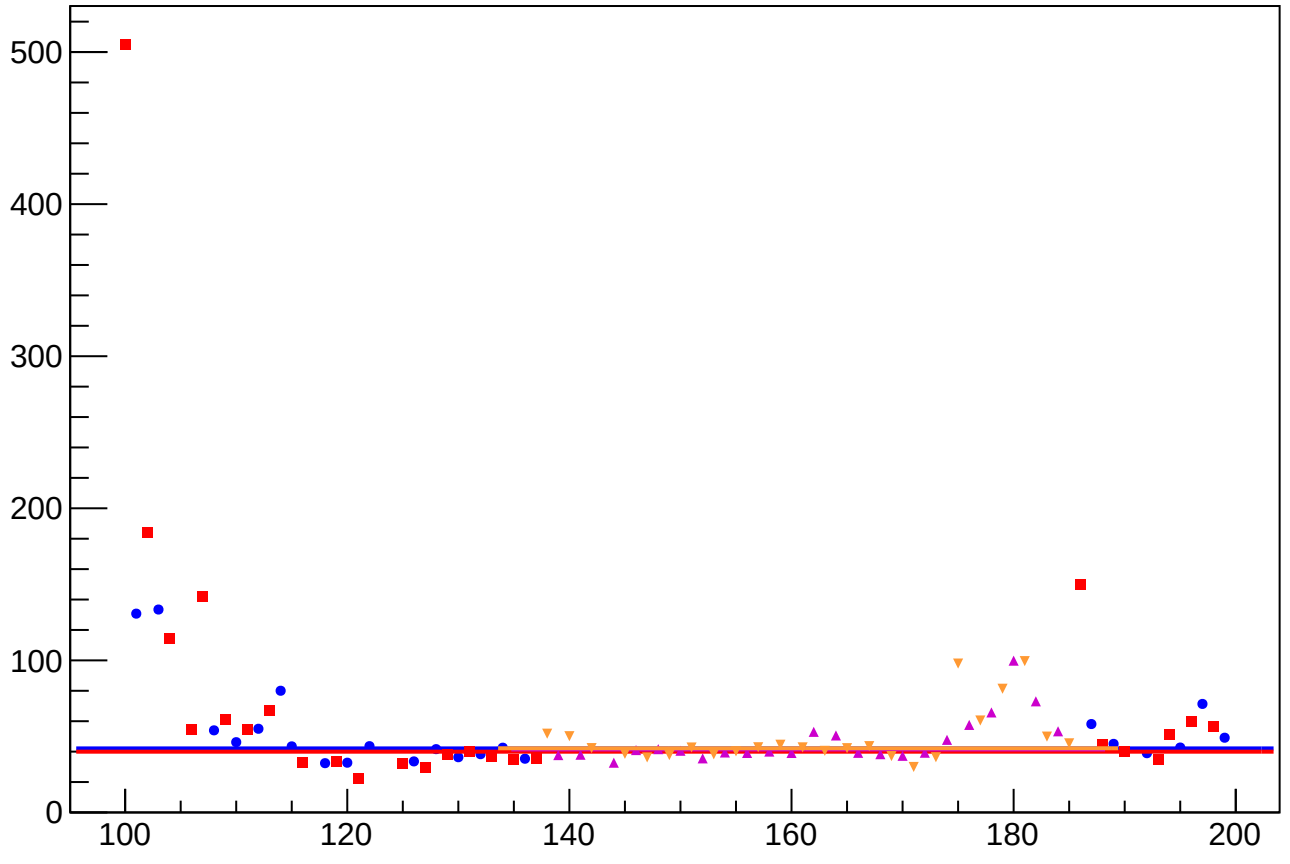
Right Out: -0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.000+/-0.009 χ^2/NDF: 50.0/45

All: -0.002+/-0.006 χ^2/NDF: 87.3/93

- sign -0.005+/-0.008 χ^2/NDF: 37.1/47



Right In: 42.115+/-0.010 χ^2/NDF: 1732727.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

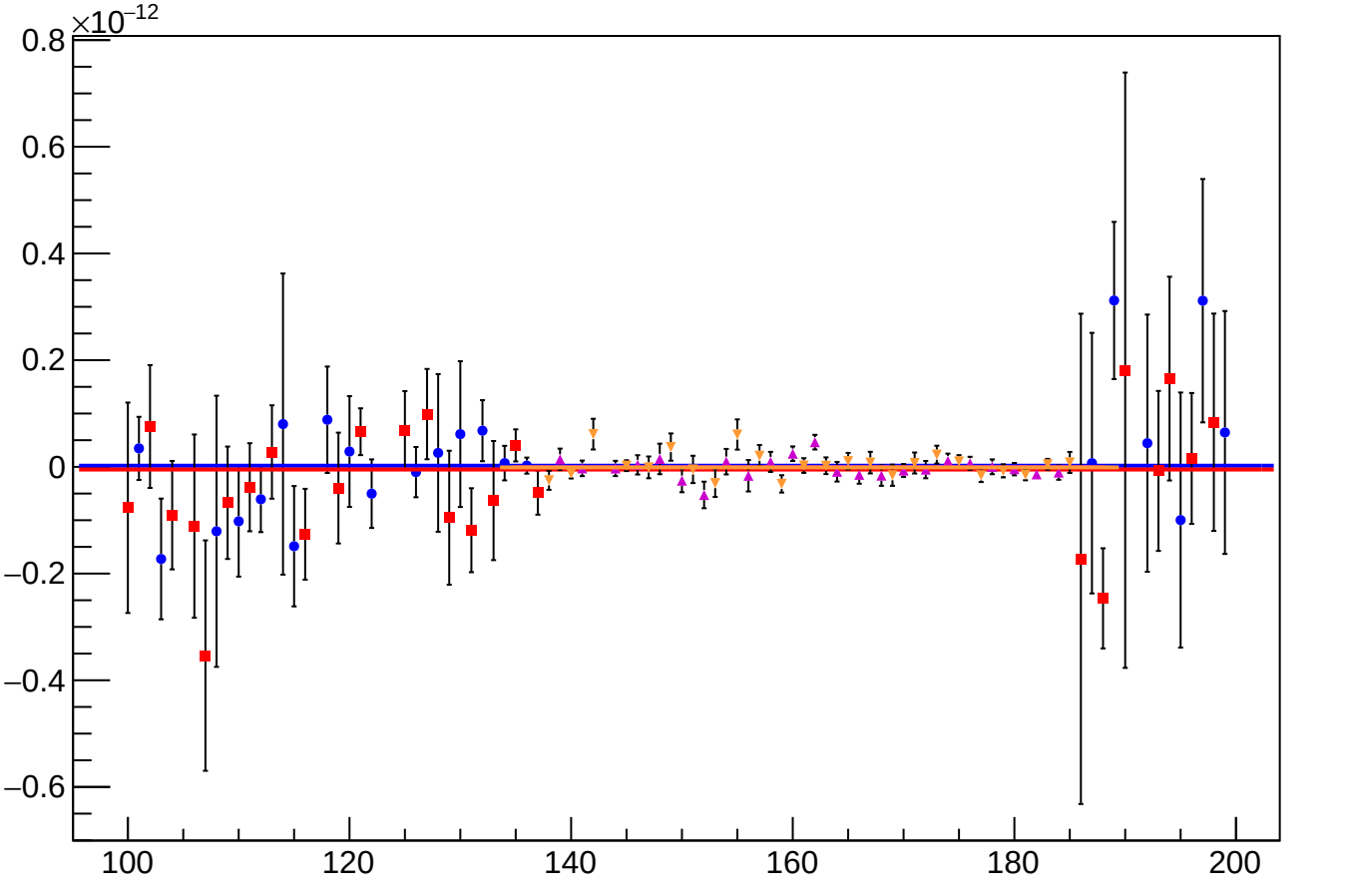
Right Out: 39.963+/-0.010 χ^2/NDF: 2703209.9/24

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 42.173+/-0.006 χ^2/NDF: 3552160.5/45

All: 41.501+/-0.004 χ^2/NDF: 7705372.6/93

- sign 40.860+/-0.006 χ^2/NDF: 4129486.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

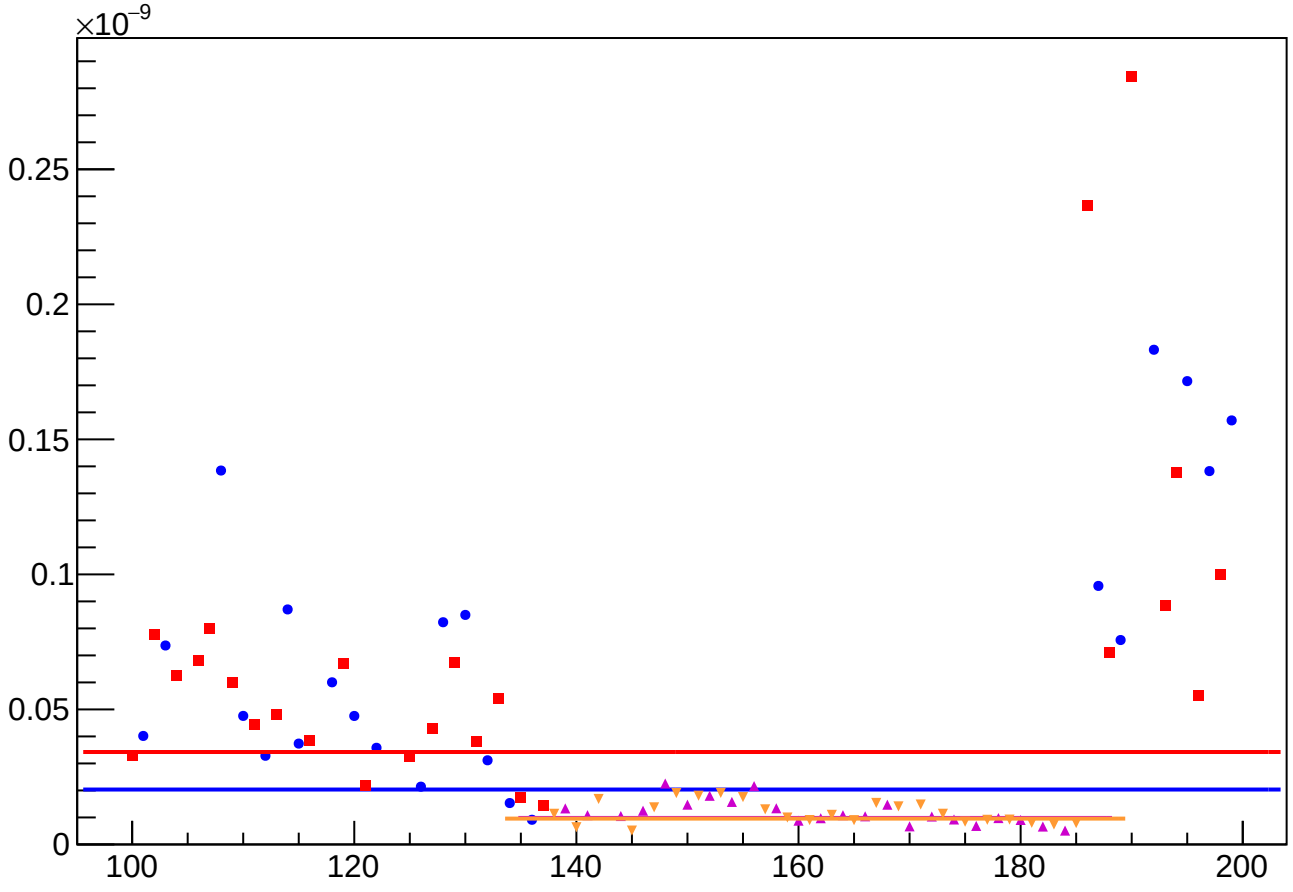
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/24

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.0/45

All: -0.000+/-0.000 χ^2/NDF: 100.8/93

- sign -0.000+/-0.000 χ^2/NDF: 54.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 7517679.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4707348.6/24

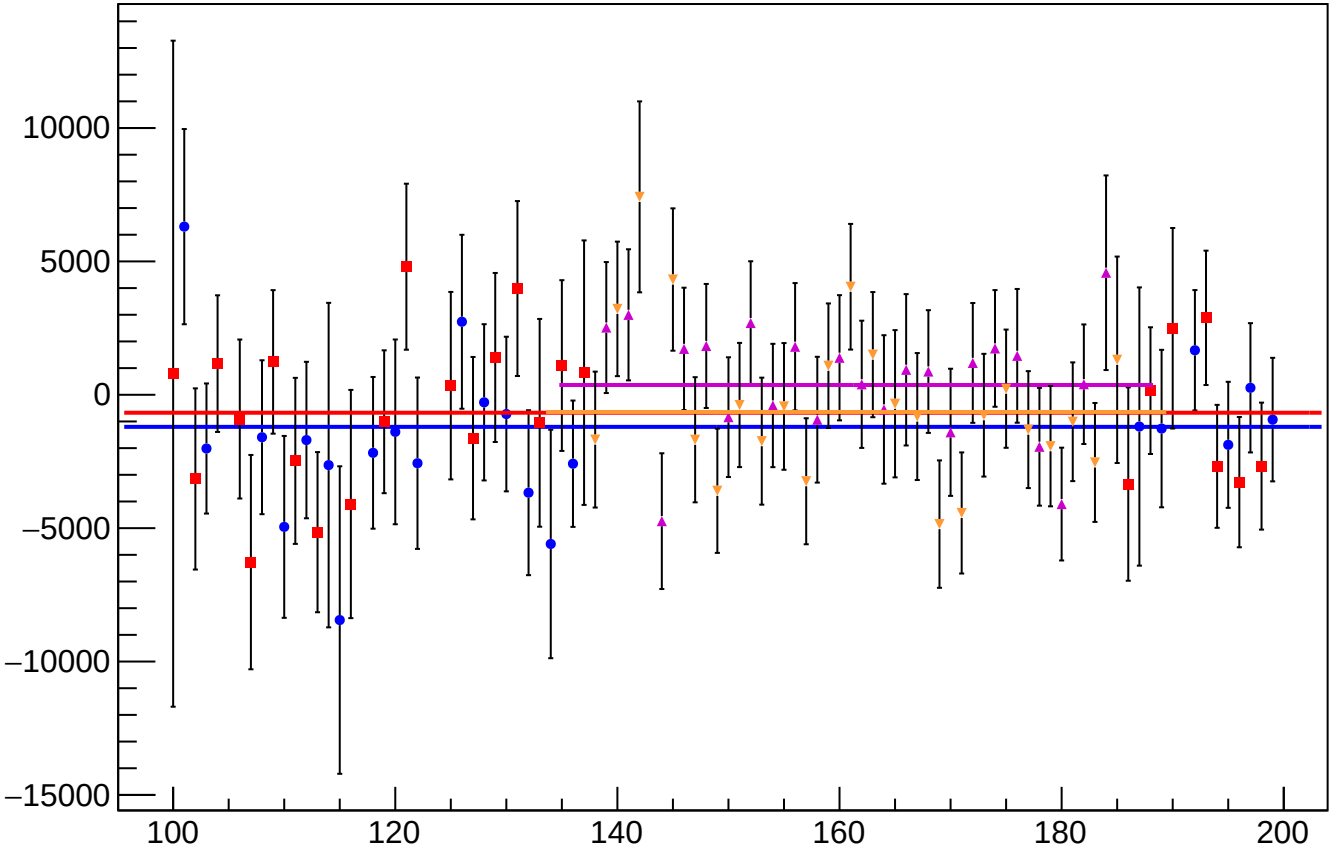
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11610010.7/45

All: 0.000+/-0.000 χ^2/NDF: 23144895.9/93

- sign 0.000+/-0.000 χ^2/NDF: 11511374.4/47

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1202.153+/-635.317 χ^2/NDF: 13.2/21

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -672.528+/-611.997 χ^2/NDF: 18.8/24

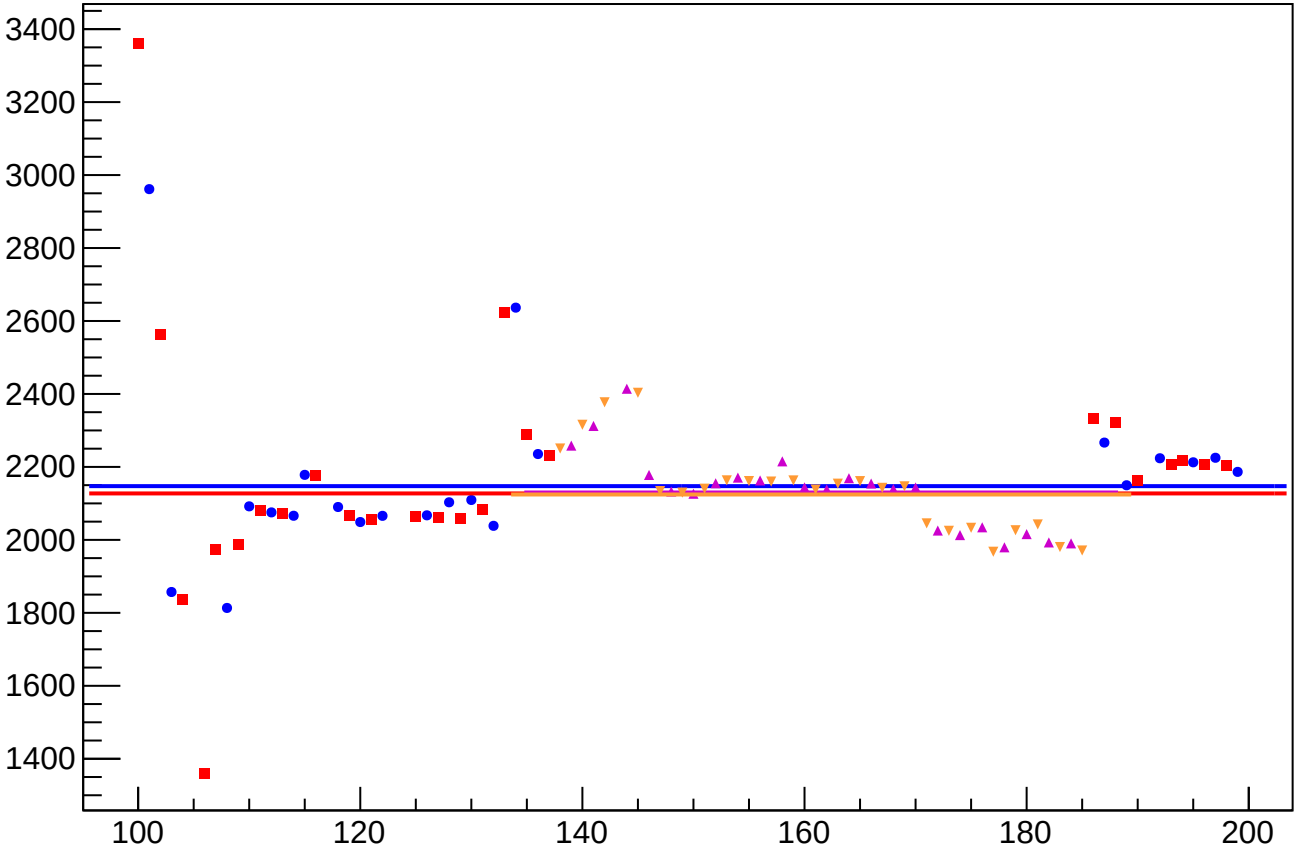
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -854.022+/-389.823 χ^2/NDF: 40.8/45

All: -446.848+/-274.365 χ^2/NDF: 80.8/93

- sign -47.160+/-386.224 χ^2/NDF: 37.9/47

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.0/21

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

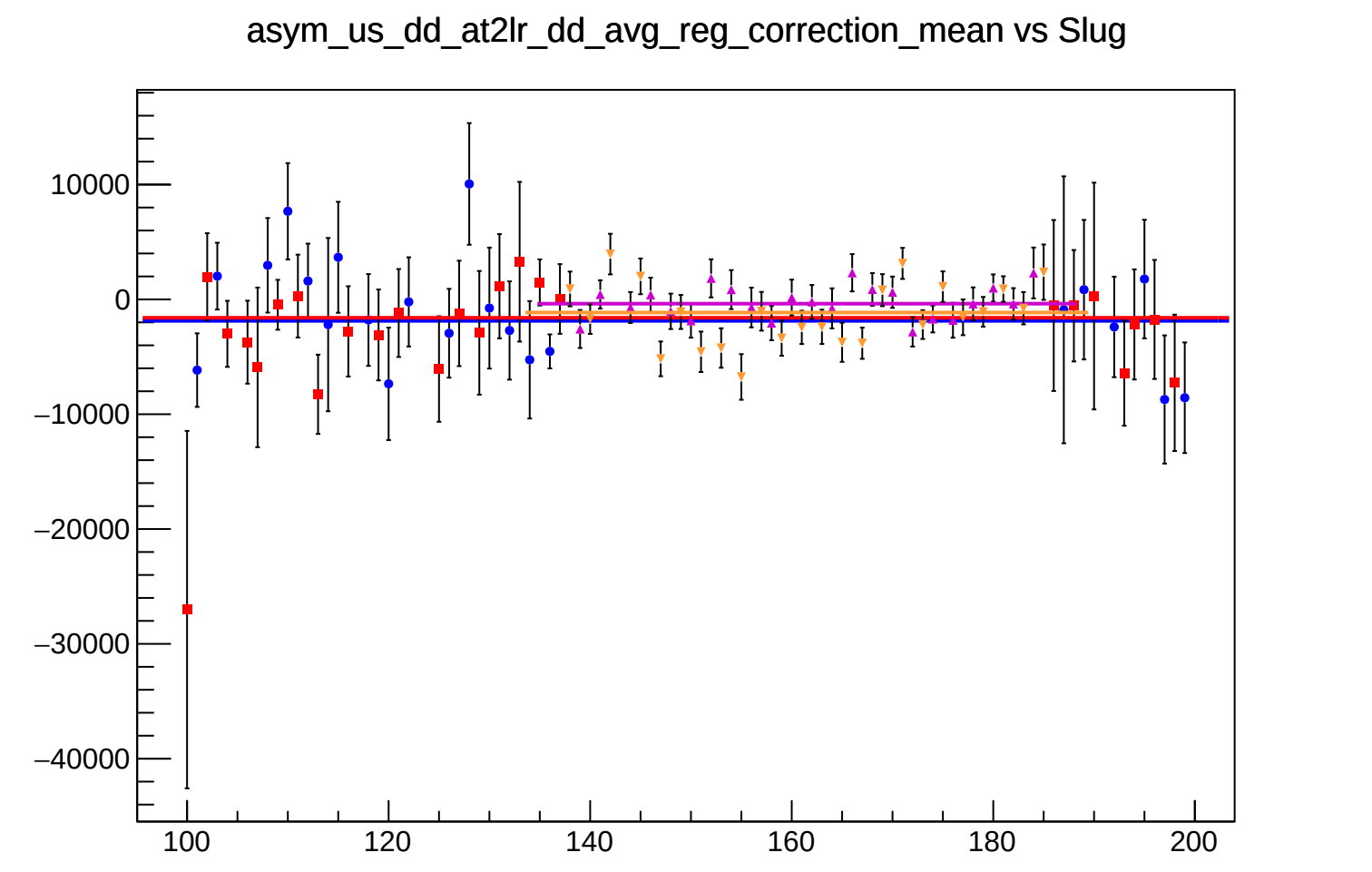
Right Out: 2127.316+/-0.433 χ^2/NDF: 292761.5/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2133.056+/-0.276 χ^2/NDF: 291607.1/45

All: 2130.943+/-0.194 χ^2/NDF: 669860.9/93

- sign 2128.869+/-0.273 χ^2/NDF: 378137.4/47



Right In: -1867.842+/-804.805 χ^2/NDF: 27.1/21

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

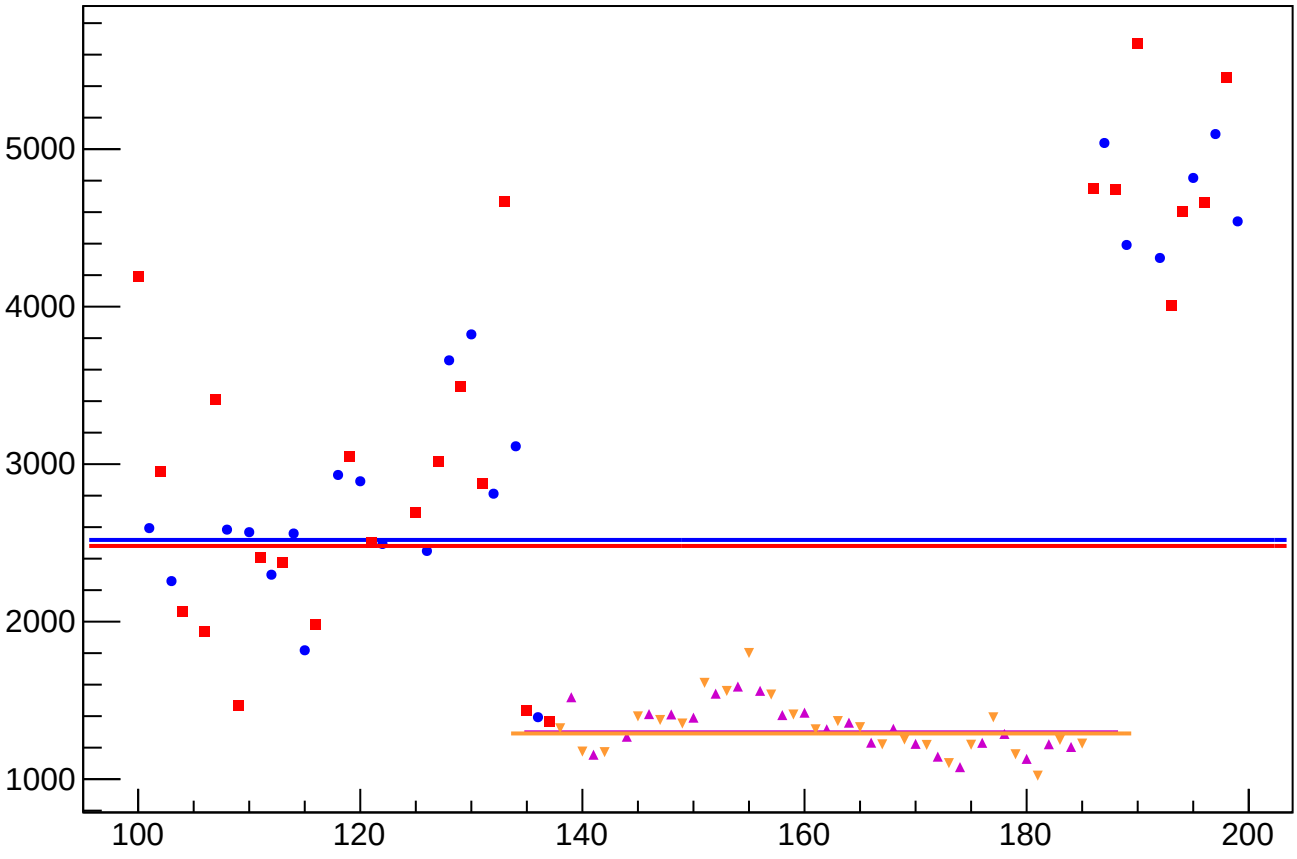
Right Out: -1600.754+/-780.069 χ^2/NDF: 15.7/24

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1234.312+/-283.149 χ^2/NDF: 95.3/45

All: -886.859+/-200.645 χ^2/NDF: 136.5/93

- sign -536.416+/-284.364 χ^2/NDF: 38.1/47



Right In: 2518.826+/-0.569 χ^2/NDF: 3304096.7/21

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2480.550+/-0.552 χ^2/NDF: 4109604.6/24

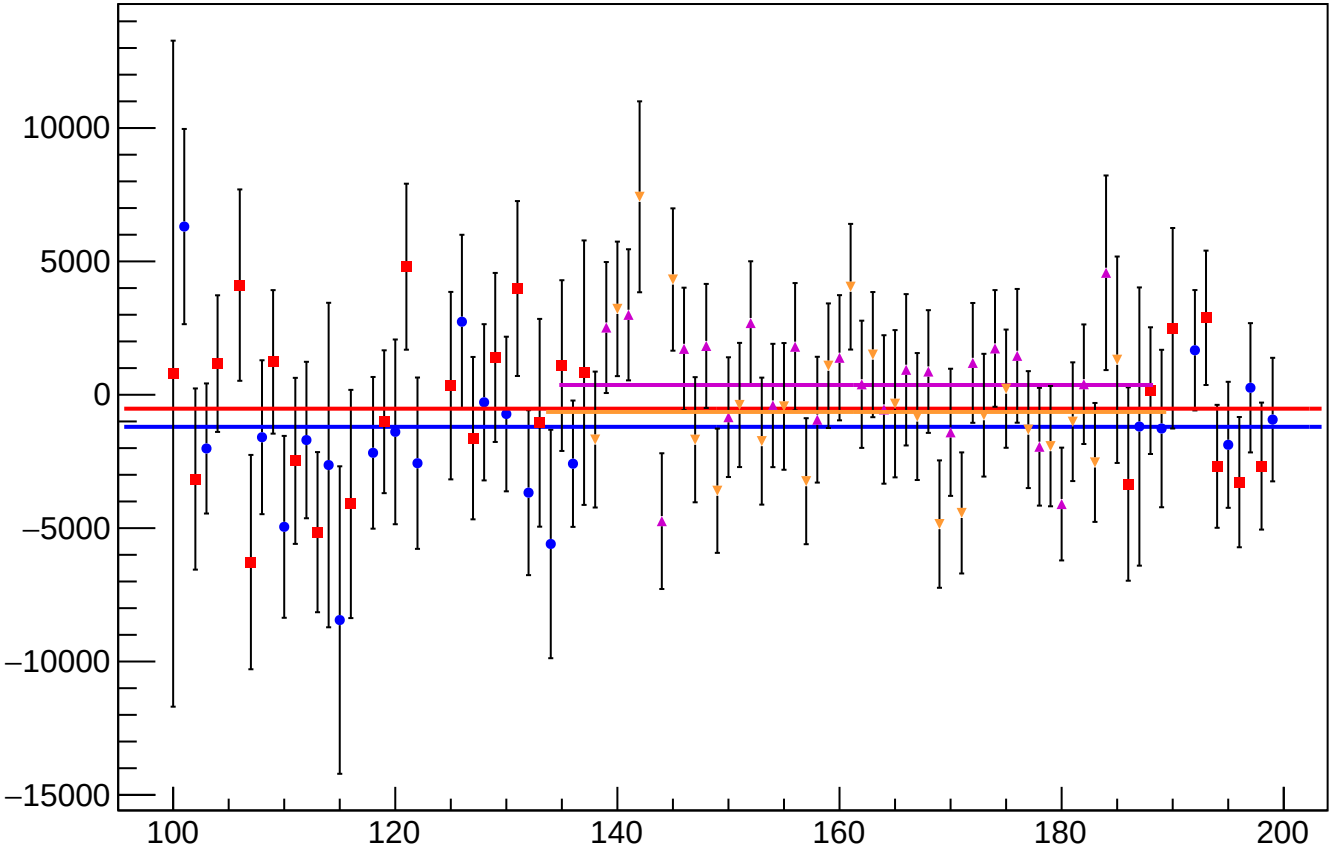
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1442.129+/-0.200 χ^2/NDF: 7957332.4/45

All: 1448.374+/-0.142 χ^2/NDF: 16492029.6/9

- sign 1454.673+/-0.201 χ^2/NDF: 8532743.0/47

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1202.135+/-635.317 χ^2/NDF: 13.2/21

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -521.643+/-616.037 χ^2/NDF: 20.5/24

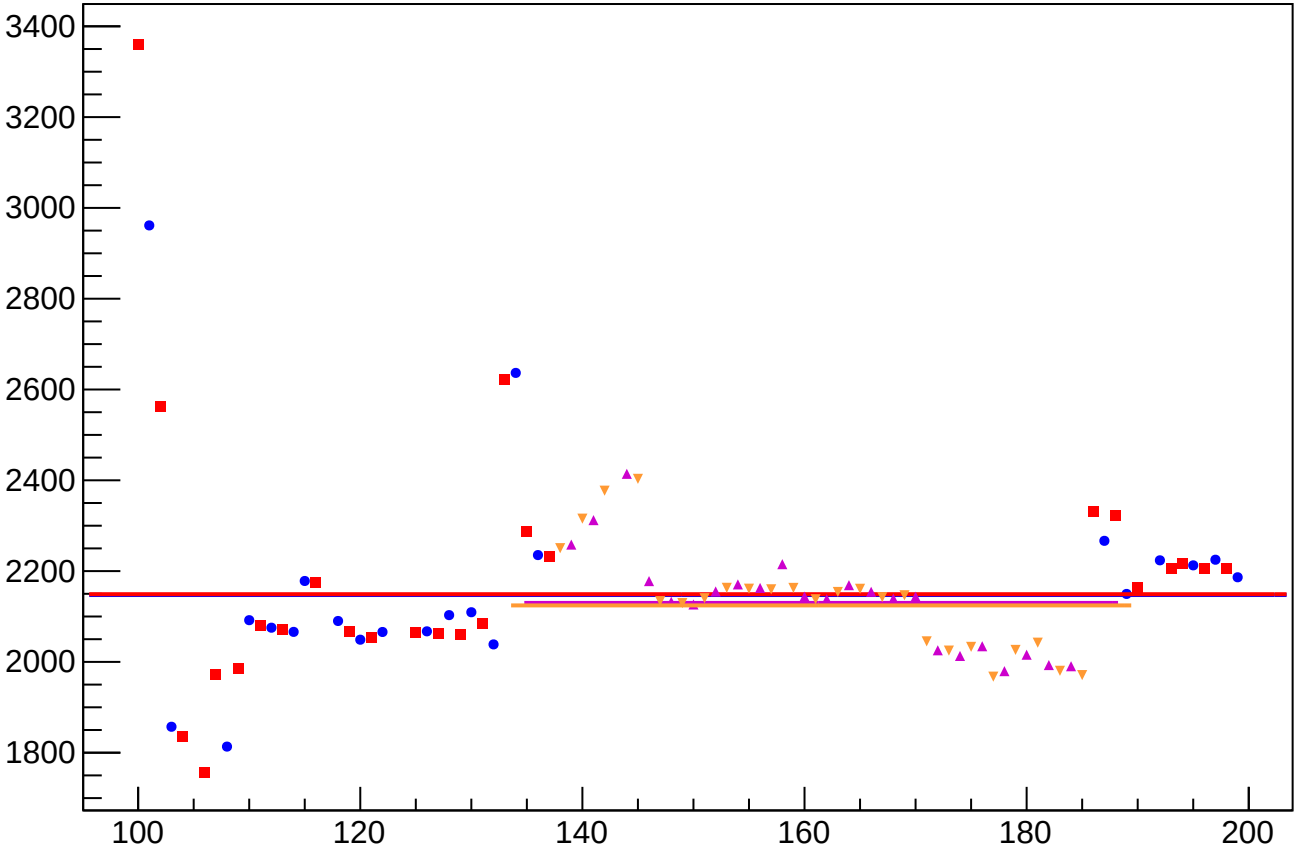
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -853.929+/-389.823 χ^2/NDF: 40.8/45

All: -416.233+/-274.726 χ^2/NDF: 82.4/93

- sign 15.665+/-387.233 χ^2/NDF: 39.1/47

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.4/21

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

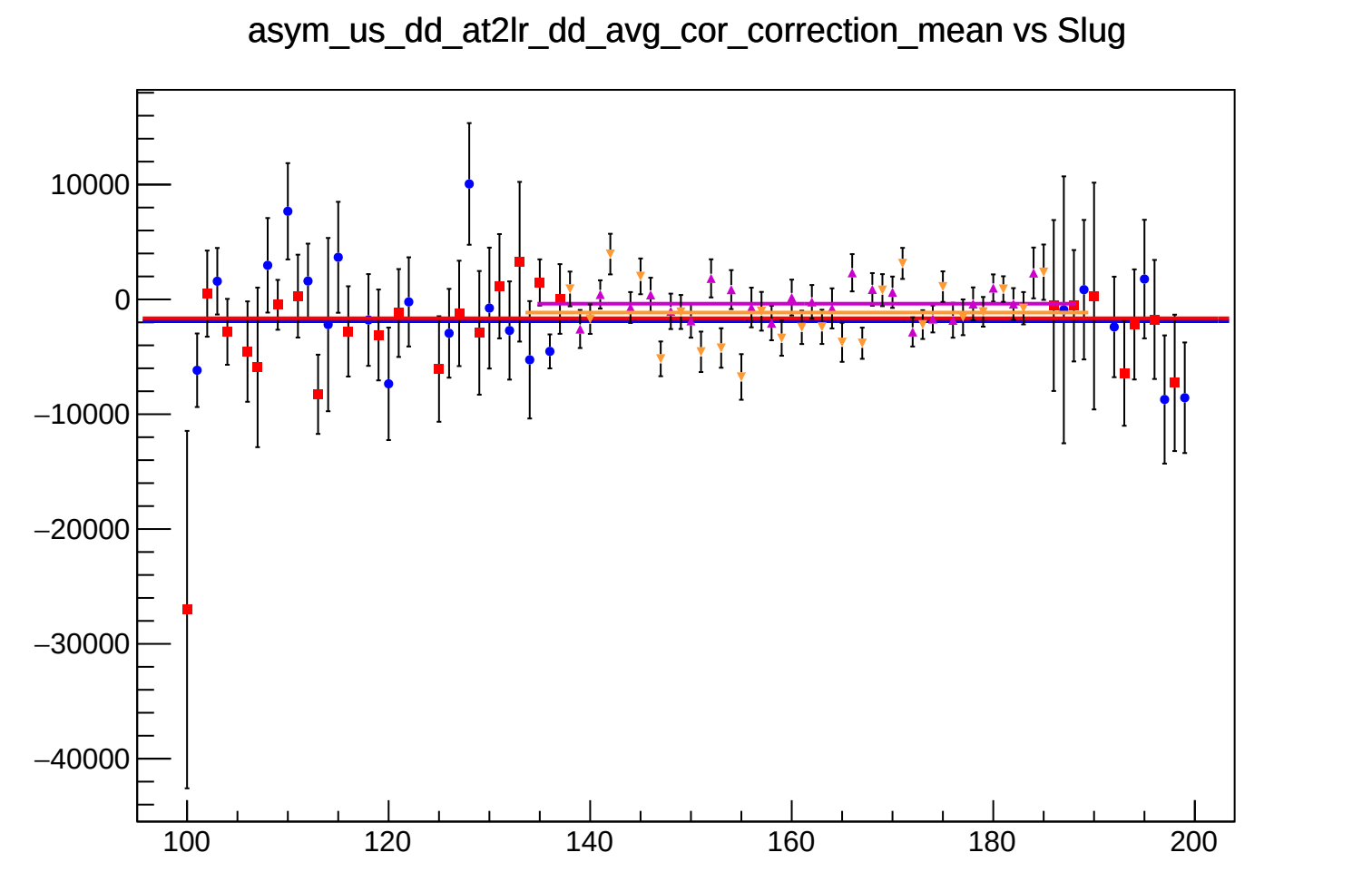
Right Out: 2149.123+/-0.436 χ^2/NDF: 179372.4/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2133.056+/-0.276 χ^2/NDF: 291607.4/45

All: 2135.289+/-0.194 χ^2/NDF: 557643.2/93

- sign 2137.494+/-0.274 χ^2/NDF: 265905.3/47



Right In: -1900.806+/-804.568 χ^2/NDF: 26.7/21

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

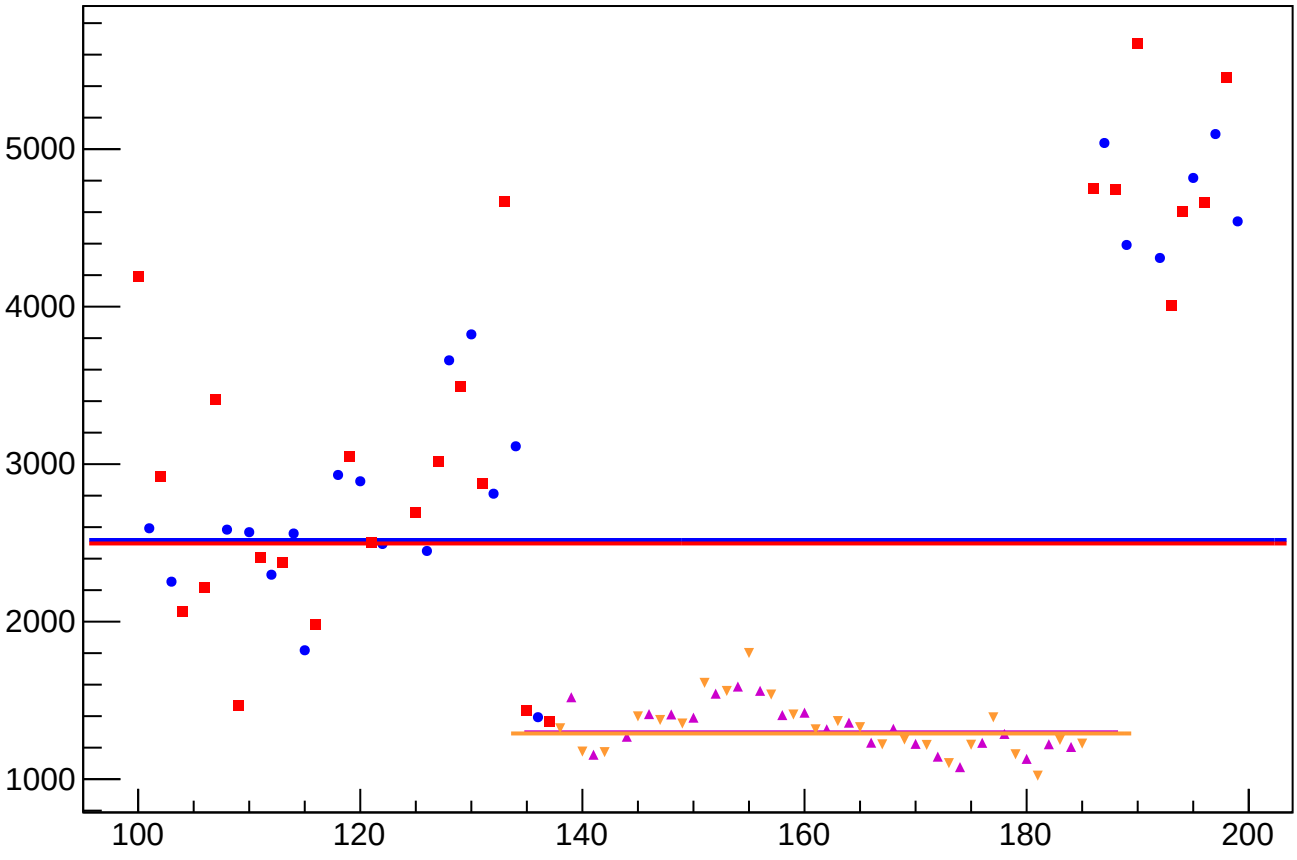
Right Out: -1643.679+/-785.378 χ^2/NDF: 15.2/24

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1238.409+/-283.140 χ^2/NDF: 95.0/45

All: -891.046+/-200.732 χ^2/NDF: 135.8/93

- sign -540.043+/-284.620 χ^2/NDF: 37.7/47



Right In: 2518.350+/-0.569 χ^2/NDF: 3304590.0/21

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2496.411+/-0.555 χ^2/NDF: 4068747.4/24

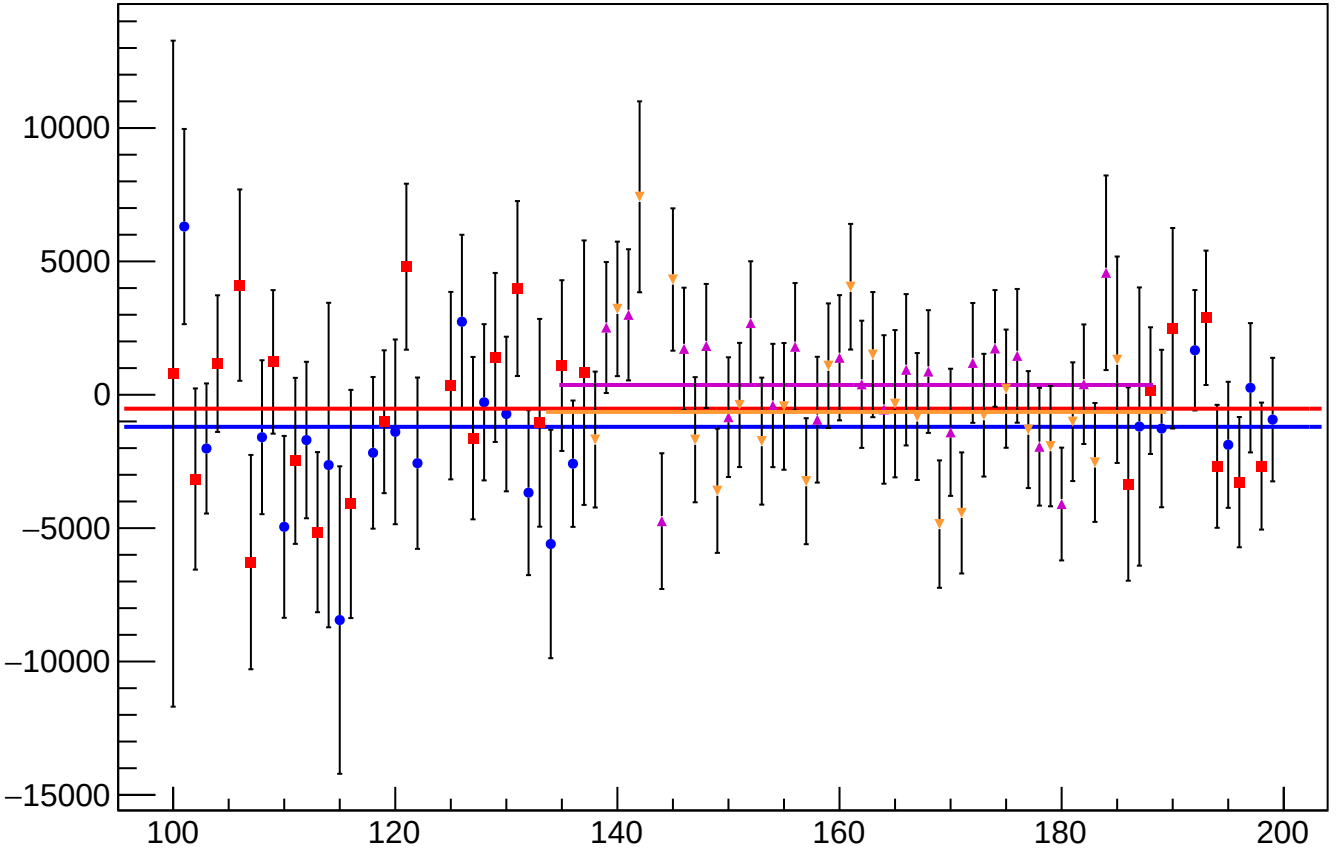
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

\+ sign 1442.161+/-0.200 χ^2/NDF: 7956617.3/45

All: 1448.507+/-0.142 χ^2/NDF: 16510226.9/9

\- sign 1454.919+/-0.201 χ^2/NDF: 8551589.6/47

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1202.135+/-635.317 χ^2/NDF: 13.2/21

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -521.643+/-616.037 χ^2/NDF: 20.5/24

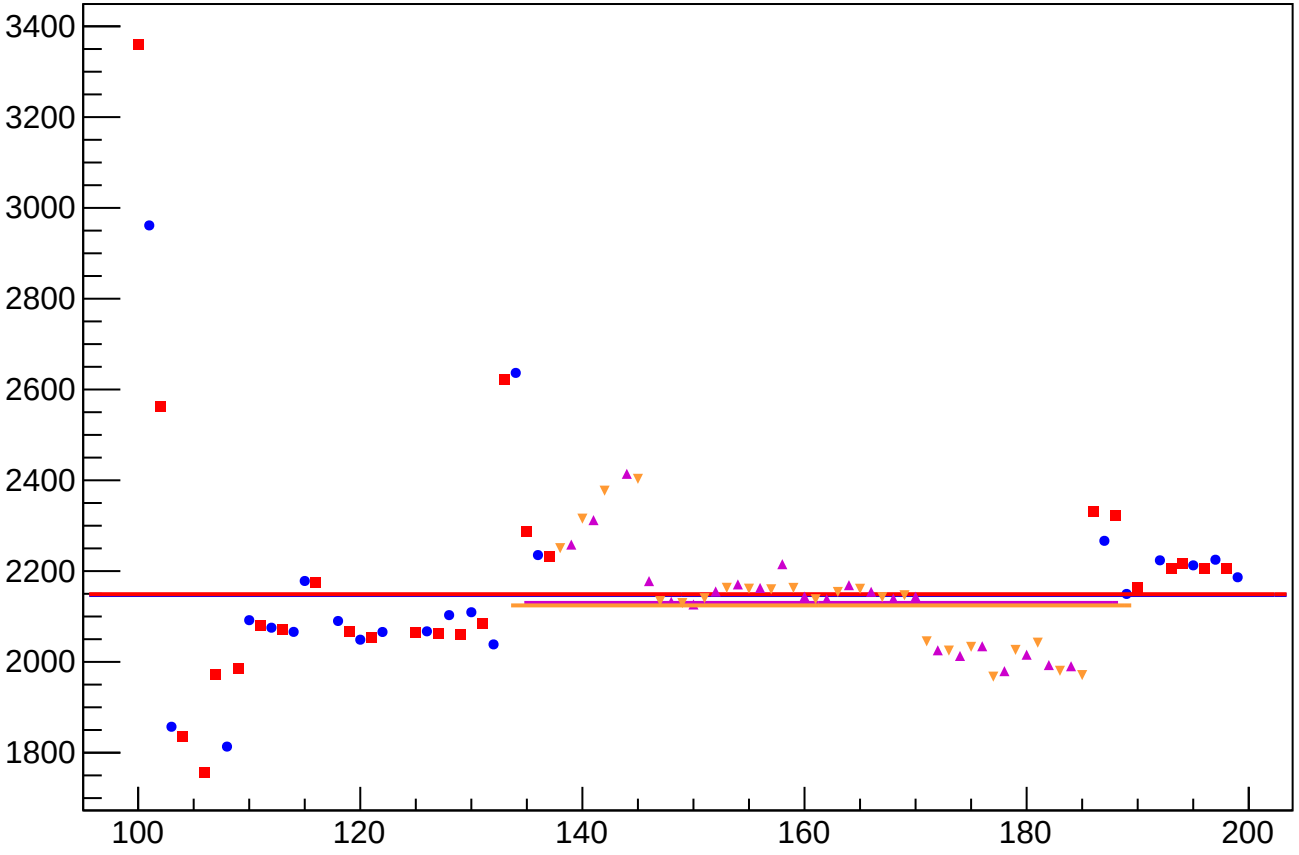
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -853.929+/-389.823 χ^2/NDF: 40.8/45

All: -416.233+/-274.726 χ^2/NDF: 82.4/93

- sign 15.665+/-387.233 χ^2/NDF: 39.1/47

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.4/21

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

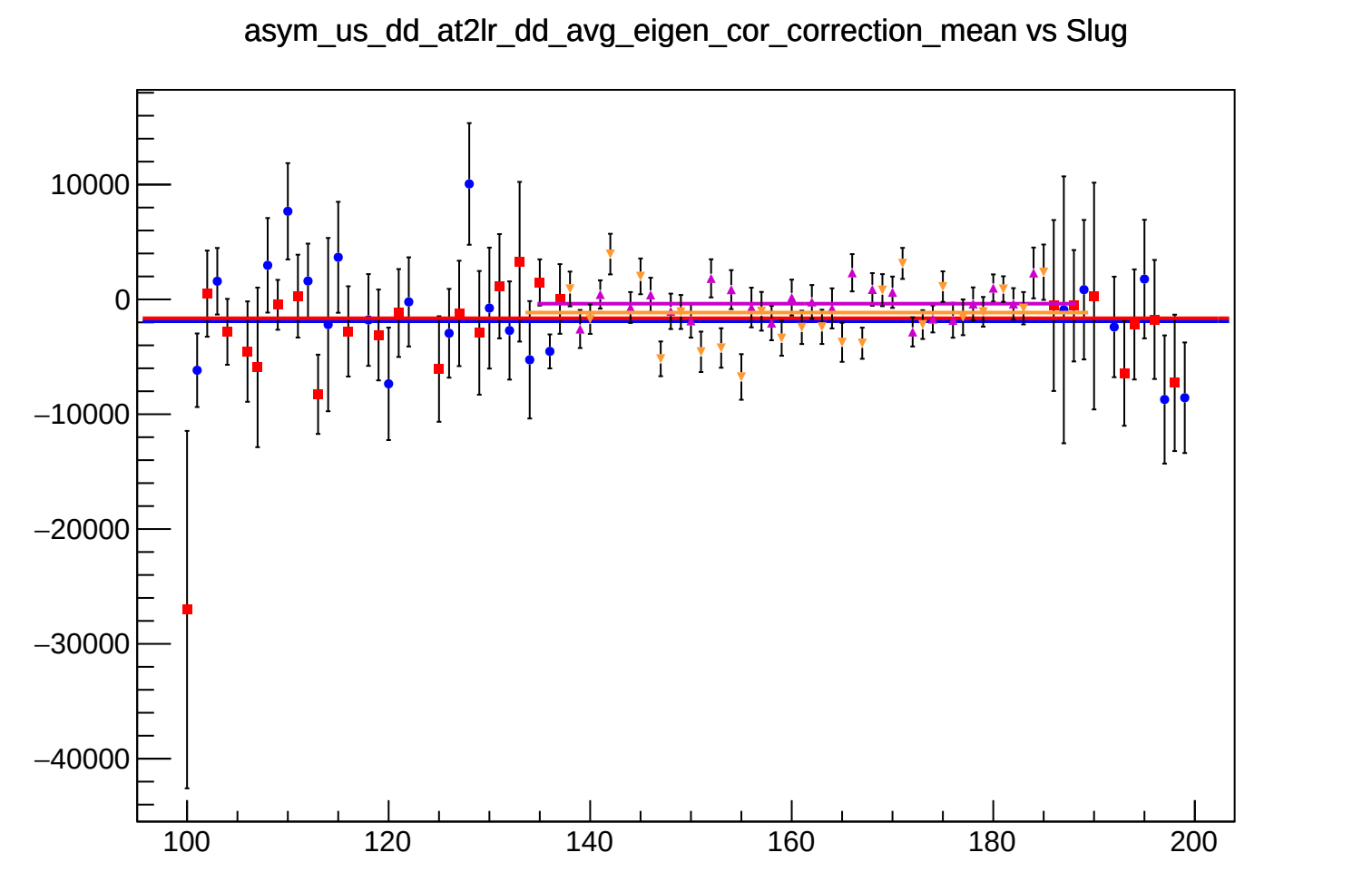
Right Out: 2149.123+/-0.436 χ^2/NDF: 179372.4/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2133.056+/-0.276 χ^2/NDF: 291607.4/45

All: 2135.289+/-0.194 χ^2/NDF: 557643.2/93

- sign 2137.494+/-0.274 χ^2/NDF: 265905.3/47



Right In: -1900.806+/-804.568 χ^2/NDF: 26.7/21

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

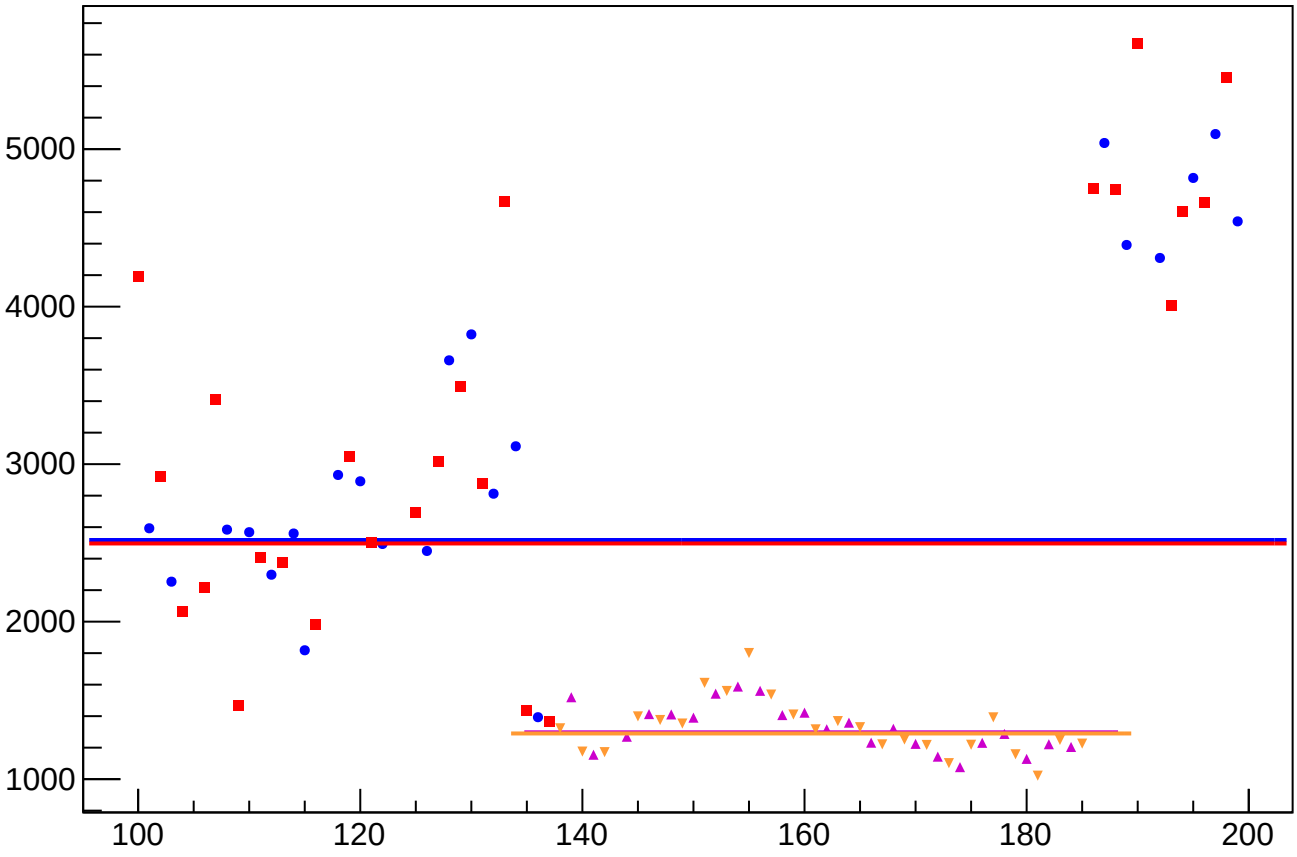
Right Out: -1643.679+/-785.378 χ^2/NDF: 15.2/24

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1238.409+/-283.140 χ^2/NDF: 95.0/45

All: -891.046+/-200.732 χ^2/NDF: 135.8/93

- sign -540.043+/-284.620 χ^2/NDF: 37.7/47



Right In: 2518.350+/-0.569 χ^2/NDF: 3304590.0/21

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

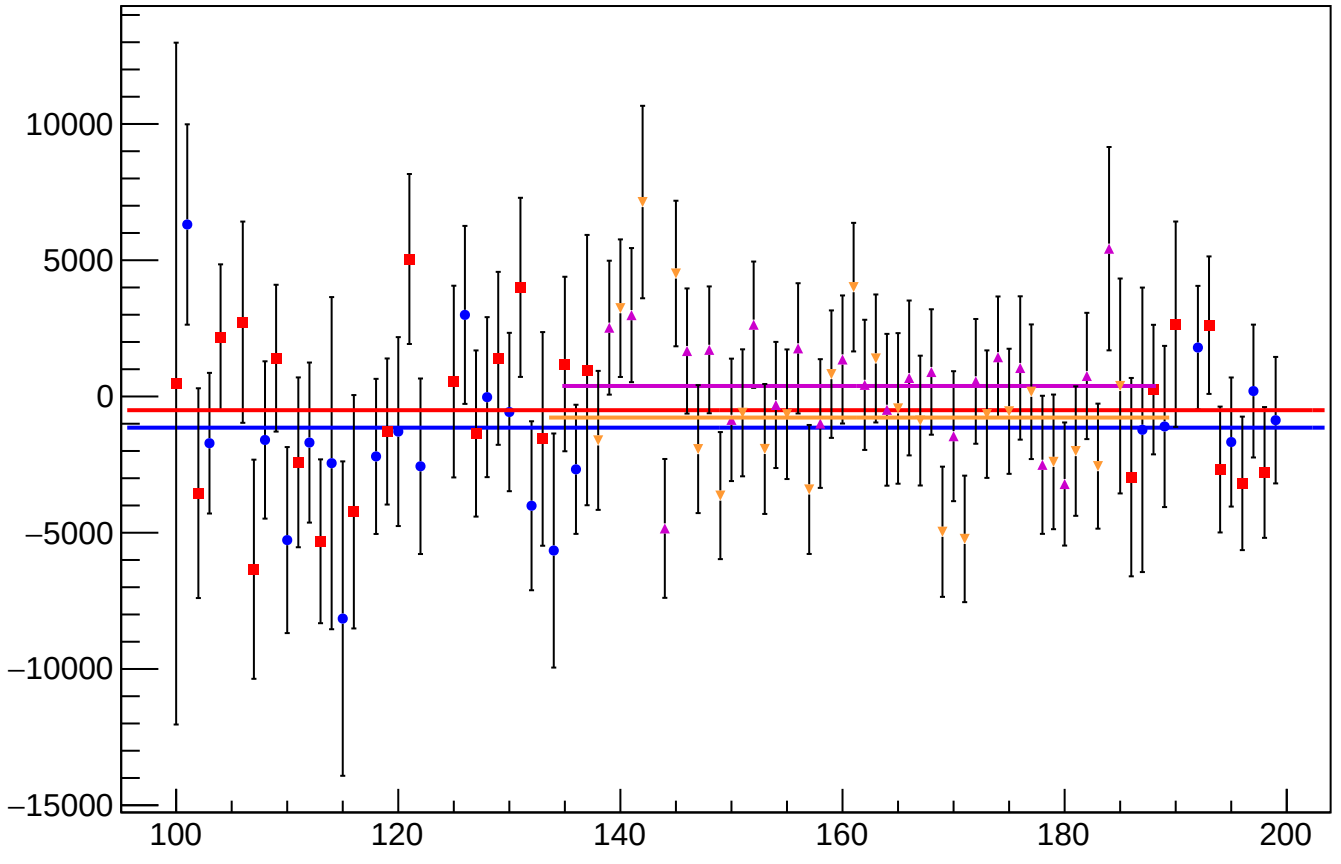
Right Out: 2496.411+/-0.555 χ^2/NDF: 4068747.4/24

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1442.161+/-0.200 χ^2/NDF: 7956617.3/45

All: 1448.507+/-0.142 χ^2/NDF: 16510226.9/9

- sign 1454.919+/-0.201 χ^2/NDF: 8551589.6/47



Right In: -1144.506+/-639.048 χ^2/NDF: 13.7/21

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -503.150+/-621.796 χ^2/NDF: 20.6/24

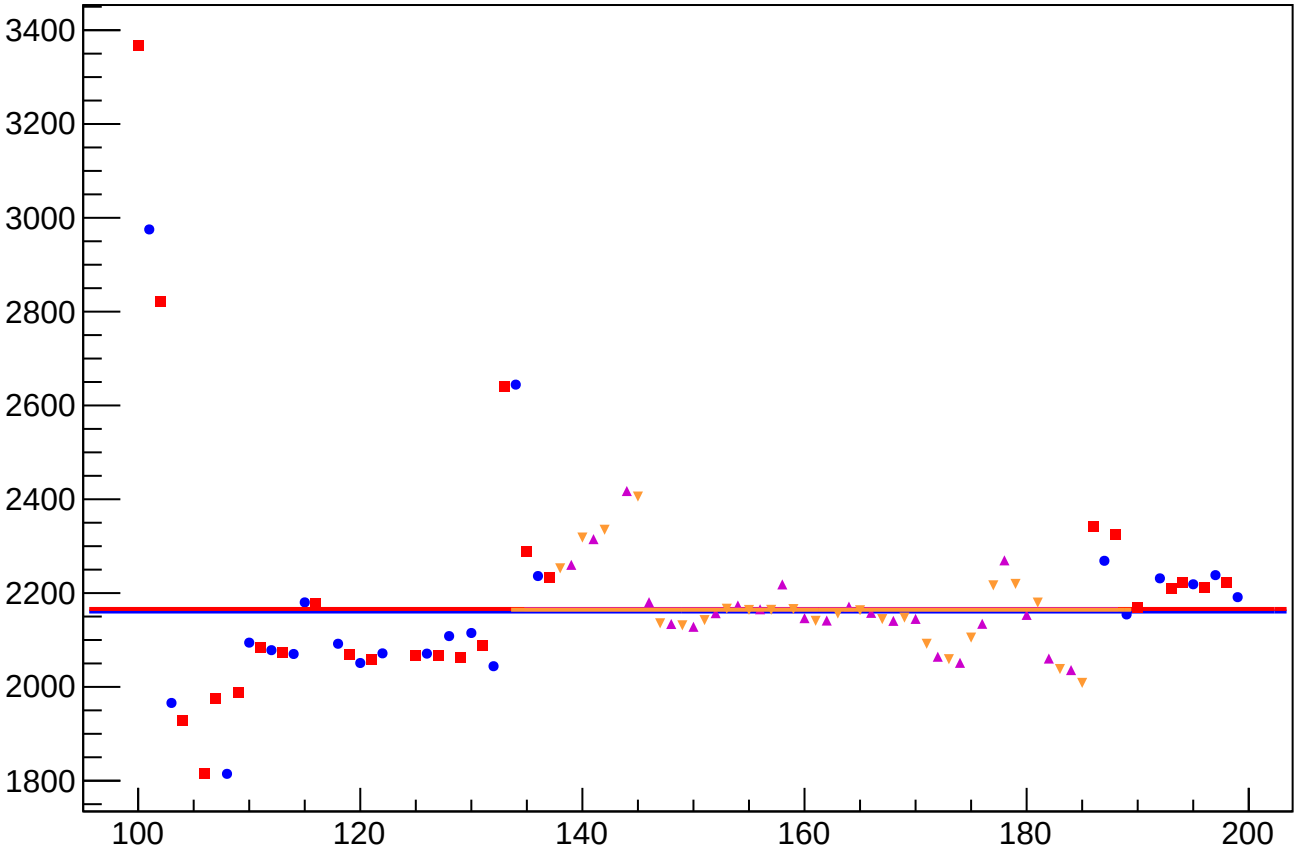
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -915.410+/-395.161 χ^2/NDF: 42.5/45

All: -438.858+/-278.473 χ^2/NDF: 82.8/93

- sign 31.282+/-392.494 χ^2/NDF: 37.4/47

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2160.689+/-0.452 χ^2/NDF: 185054.7/21

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

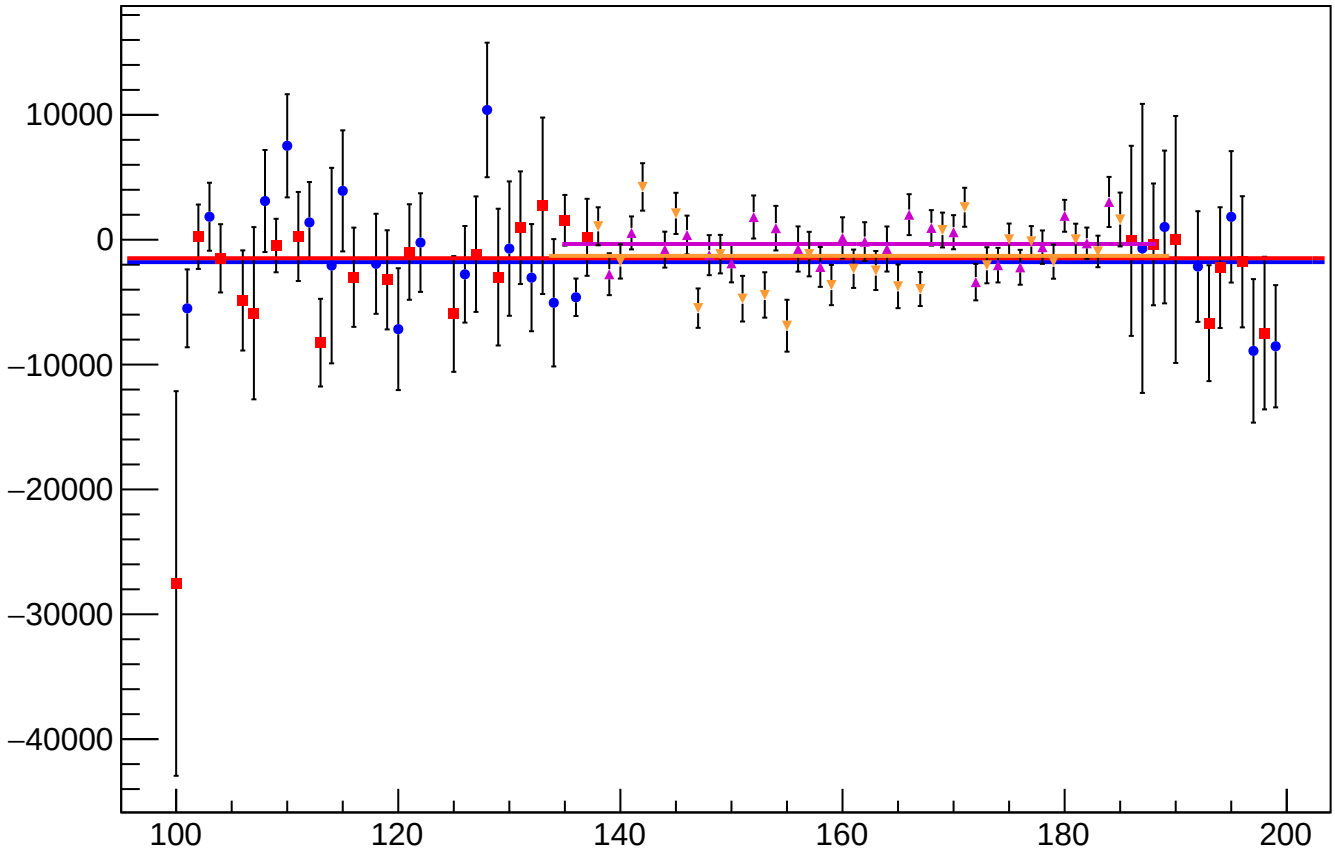
Right Out: 2166.161+/-0.440 χ^2/NDF: 188104.5/24

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2163.063+/-0.279 χ^2/NDF: 235775.6/45

All: 2164.466+/-0.197 χ^2/NDF: 476055.4/93

- sign 2165.850+/-0.278 χ^2/NDF: 240229.7/47



Right In: -1792.857+/-804.252 χ^2/NDF: 26.8/21

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

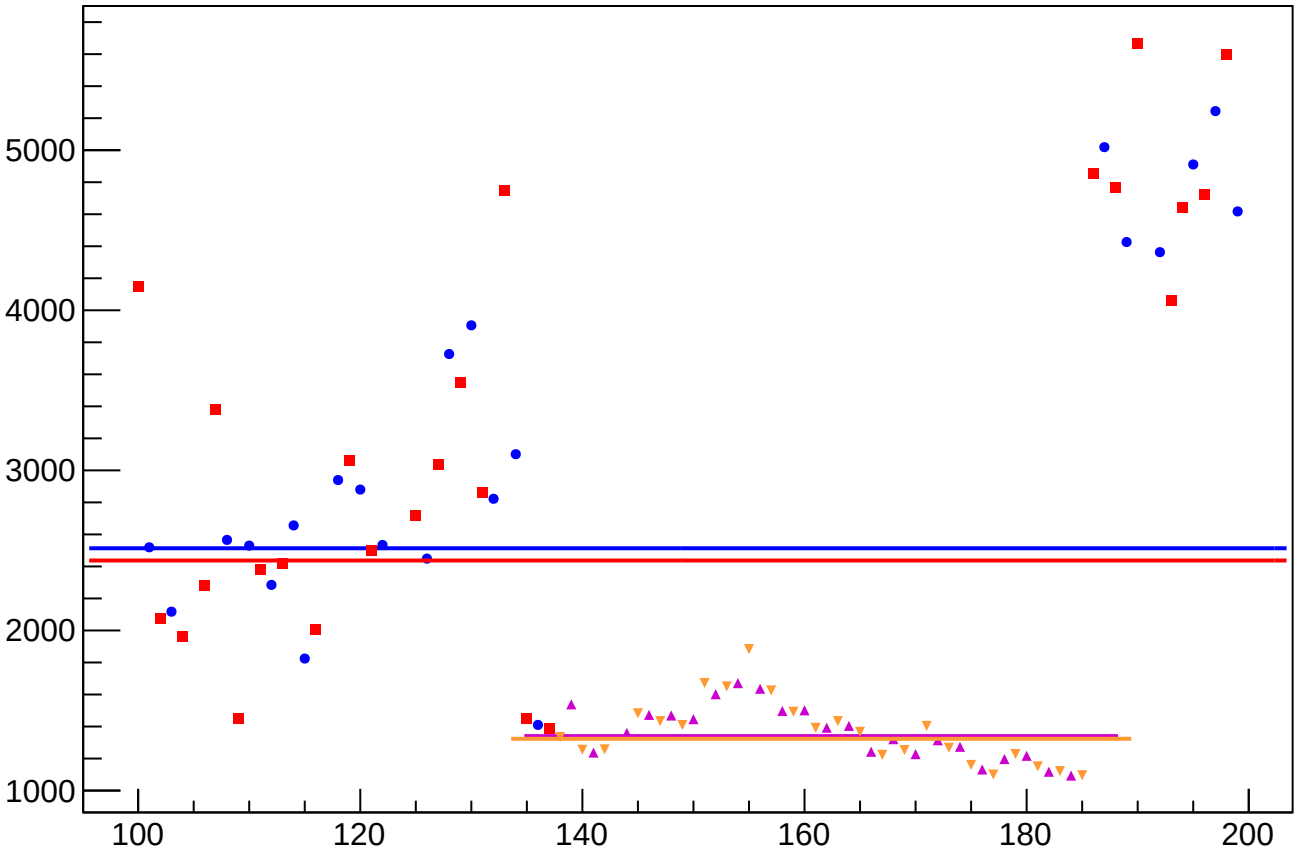
Right Out: -1482.005+/-764.776 χ^2/NDF: 15.5/24

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1358.507+/-289.761 χ^2/NDF: 85.8/45

All: -935.717+/-205.577 χ^2/NDF: 132.3/93

- sign -507.225+/-291.709 χ^2/NDF: 42.2/47



Right In: 2513.495+/-0.569 χ^2/NDF: 3357840.2/21

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

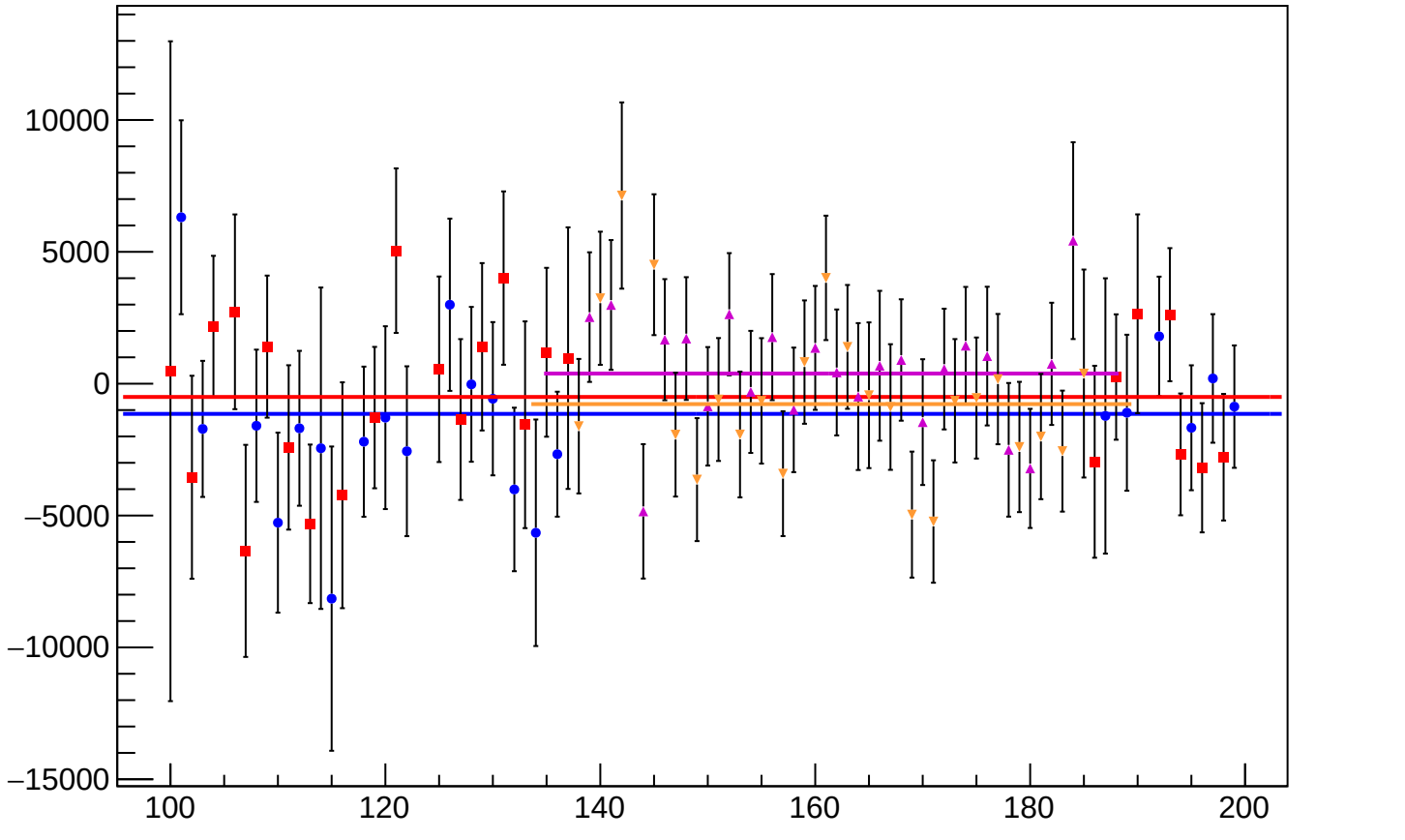
Right Out: 2437.158+/-0.541 χ^2/NDF: 4170356.4/24

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1477.884+/-0.205 χ^2/NDF: 7832559.3/45

All: 1488.717+/-0.145 χ^2/NDF: 16019636.5/9

- sign 1499.696+/-0.206 χ^2/NDF: 8181448.5/47



Right In: -1144.508+/-639.048 χ^2/NDF: 13.7/21

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -503.149+/-621.796 χ^2/NDF: 20.6/24

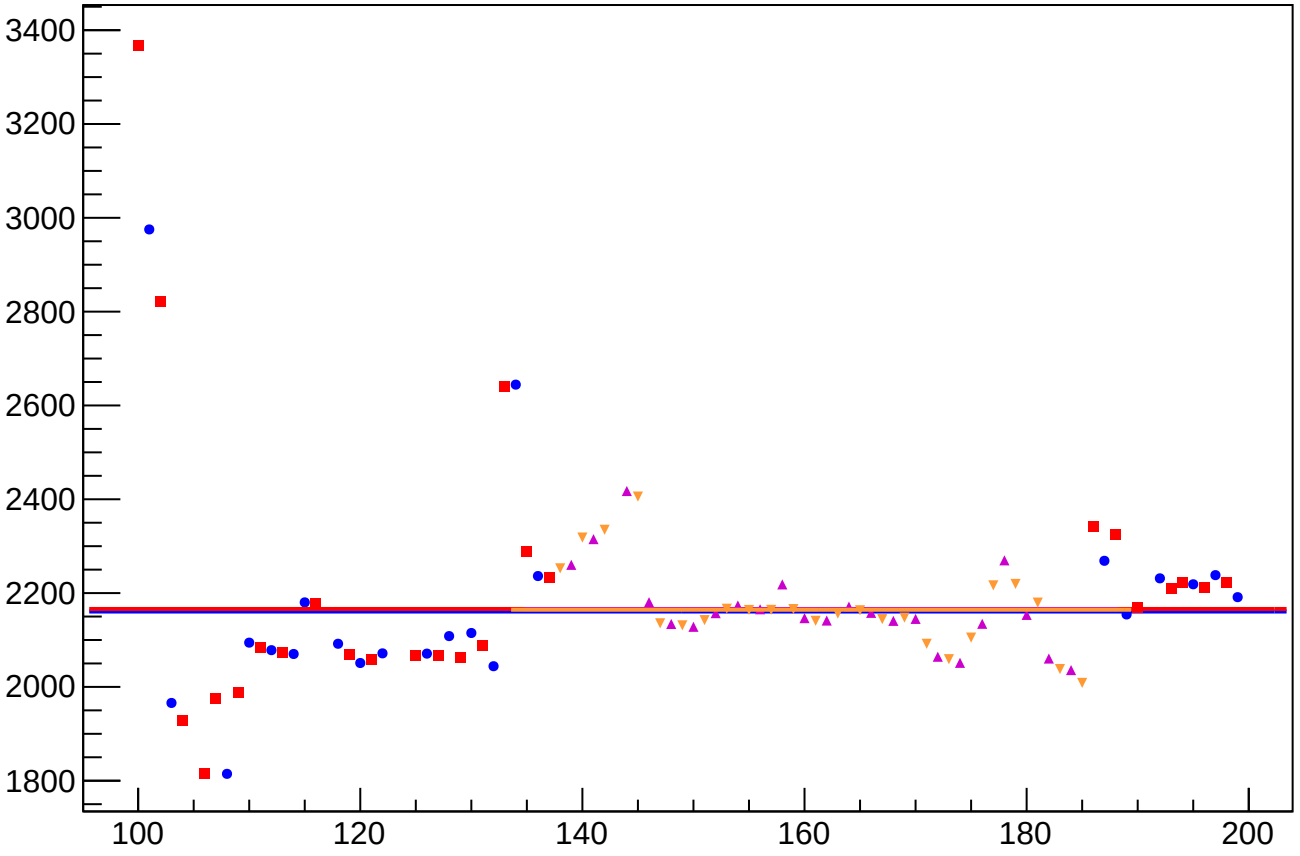
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -915.409+/-395.161 χ^2/NDF: 42.5/45

All: -438.857+/-278.473 χ^2/NDF: 82.8/93

- sign 31.282+/-392.494 χ^2/NDF: 37.4/47

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2160.688+/-0.452 χ^2/NDF: 185054.6/21

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

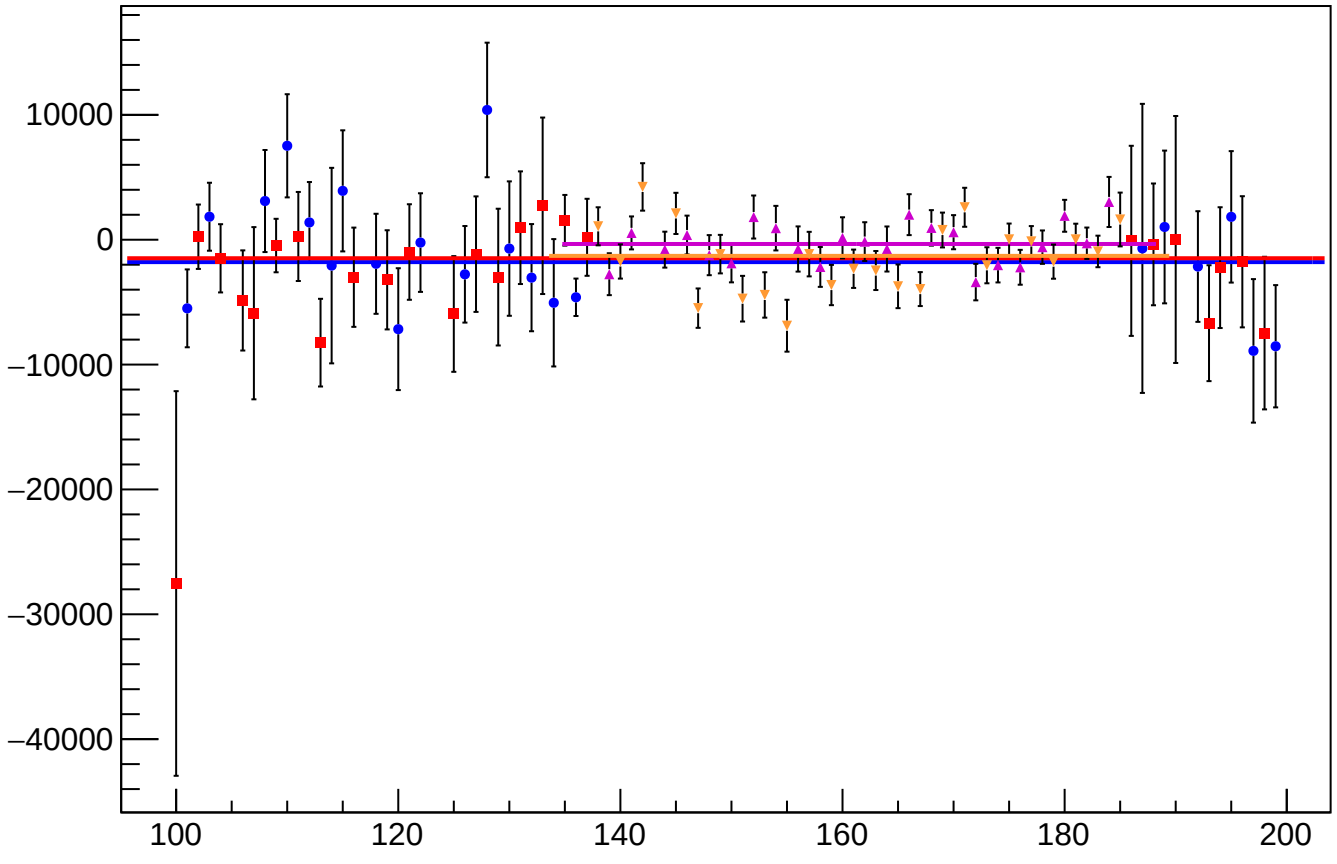
Right Out: 2166.161+/-0.440 χ^2/NDF: 188104.3/24

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2163.062+/-0.279 χ^2/NDF: 235775.6/45

All: 2164.465+/-0.197 χ^2/NDF: 476055.3/93

- sign 2165.849+/-0.278 χ^2/NDF: 240229.6/47



Right In: -1792.846+/-804.254 χ^2/NDF: 26.8/21

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

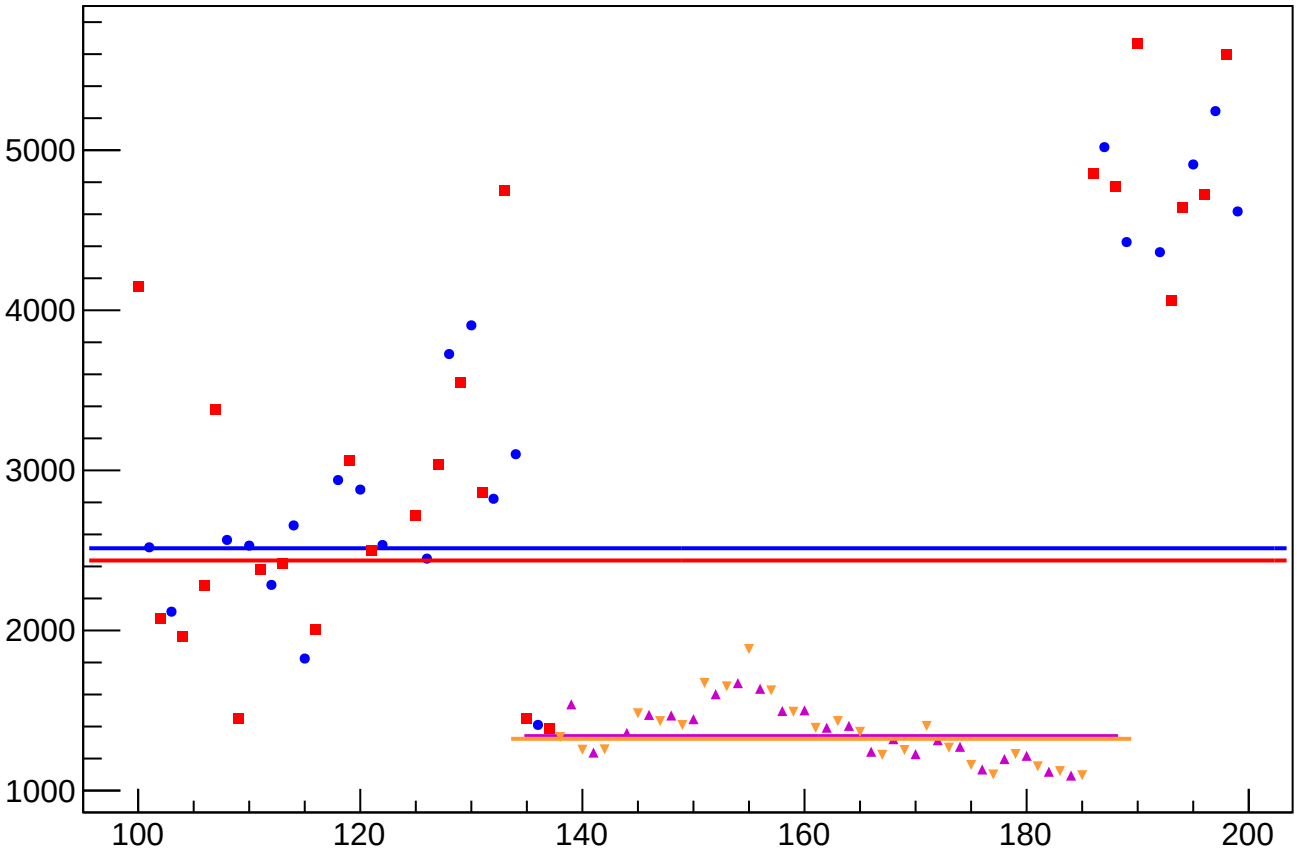
Right Out: -1482.022+/-764.779 χ^2/NDF: 15.5/24

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1358.507+/-289.761 χ^2/NDF: 85.8/45

All: -935.716+/-205.577 χ^2/NDF: 132.3/93

- sign -507.224+/-291.708 χ^2/NDF: 42.2/47



Right In: 2513.507+/-0.569 χ^2/NDF: 3357758.3/21

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2437.171+/-0.541 χ^2/NDF: 4170278.4/24

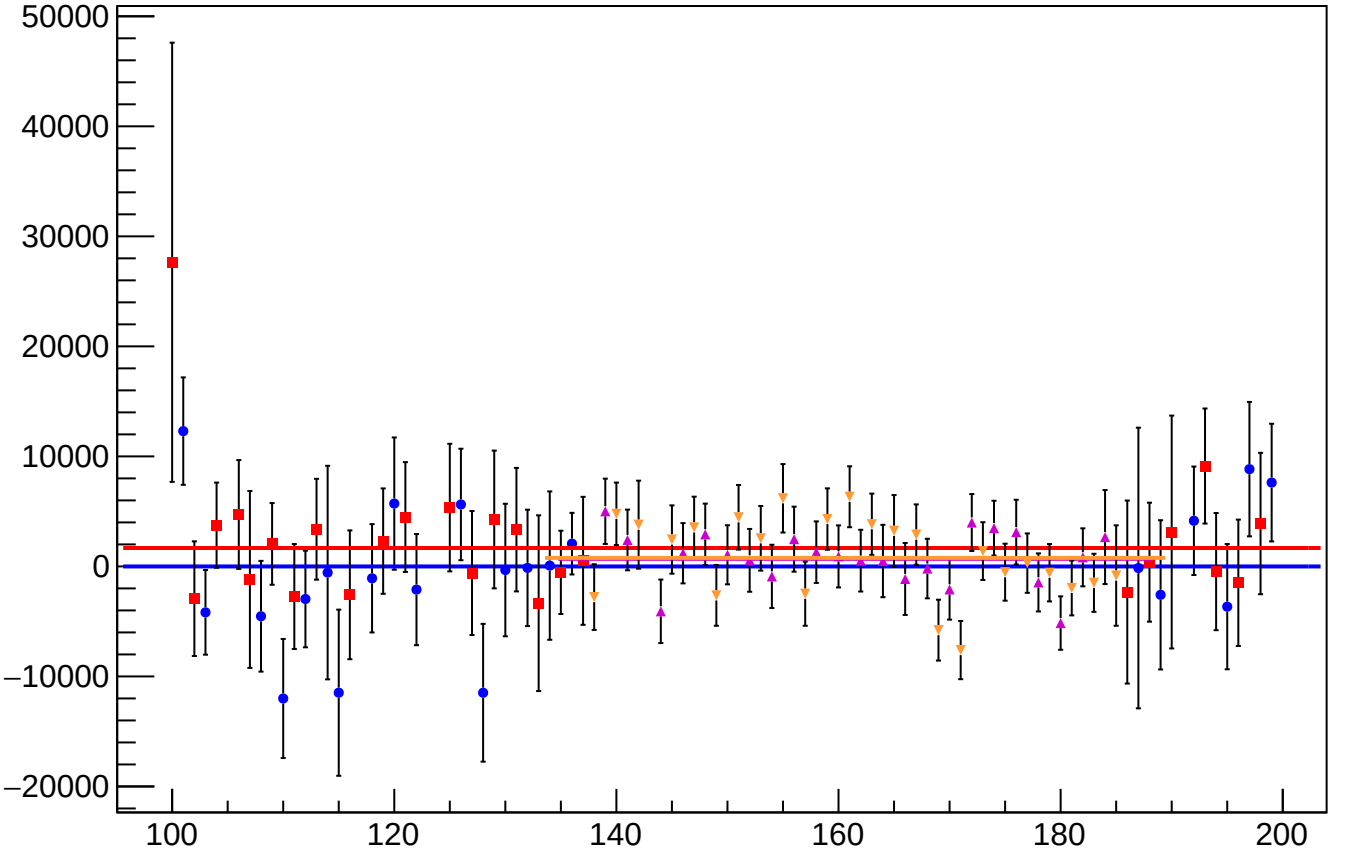
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1477.884+/-0.205 χ^2/NDF: 7832538.4/45

All: 1488.717+/-0.145 χ^2/NDF: 16019618.9/9

- sign 1499.696+/-0.206 χ^2/NDF: 8181452.4/47

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -3.425+/-1110.915 χ^2/NDF: 27.7/21

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1672.830+/-1080.240 χ^2/NDF: 9.7/24

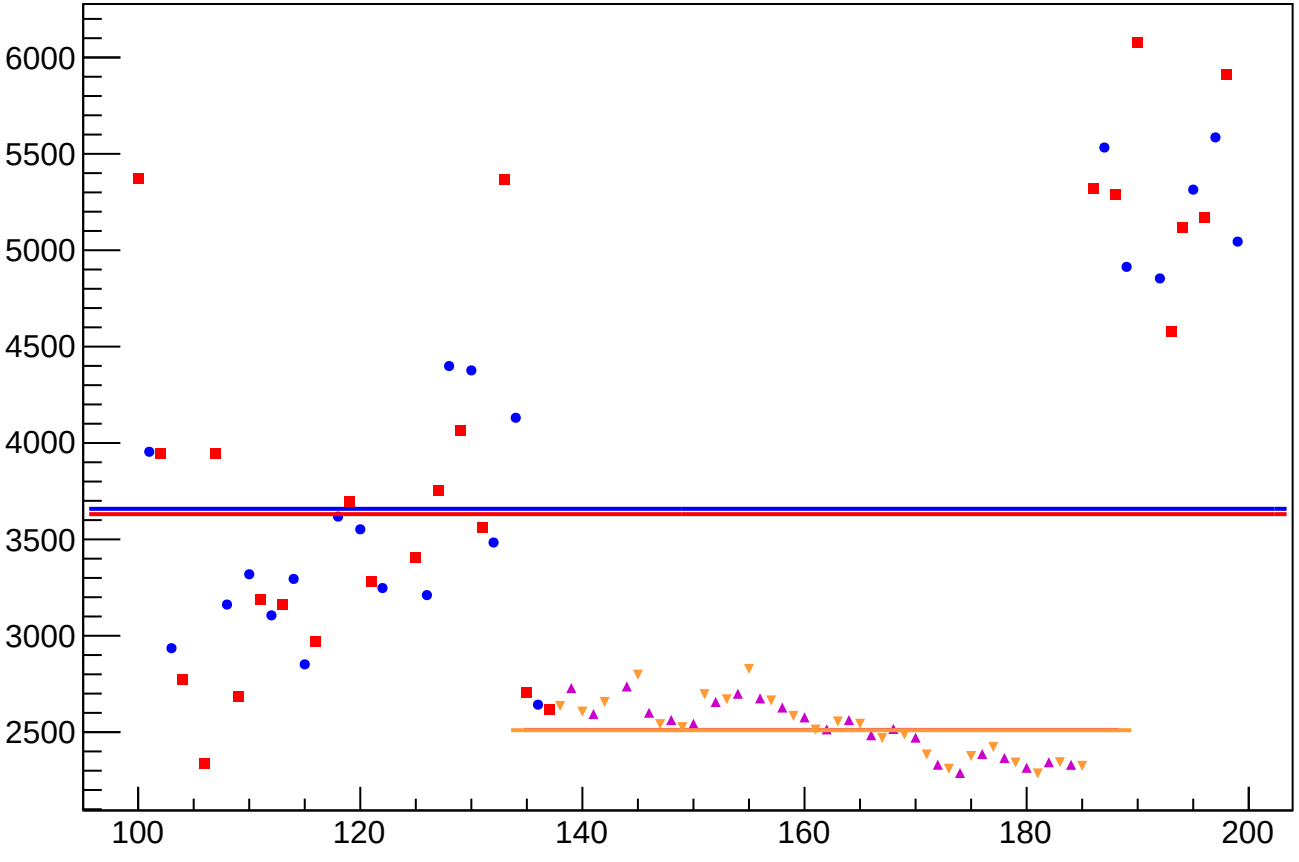
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 606.430+/-516.711 χ^2/NDF: 67.4/45

All: 760.554+/-365.140 χ^2/NDF: 96.2/93

- sign 914.291+/-516.062 χ^2/NDF: 28.6/47

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3658.598+/-0.786 χ^2/NDF: 1256161.1/21

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

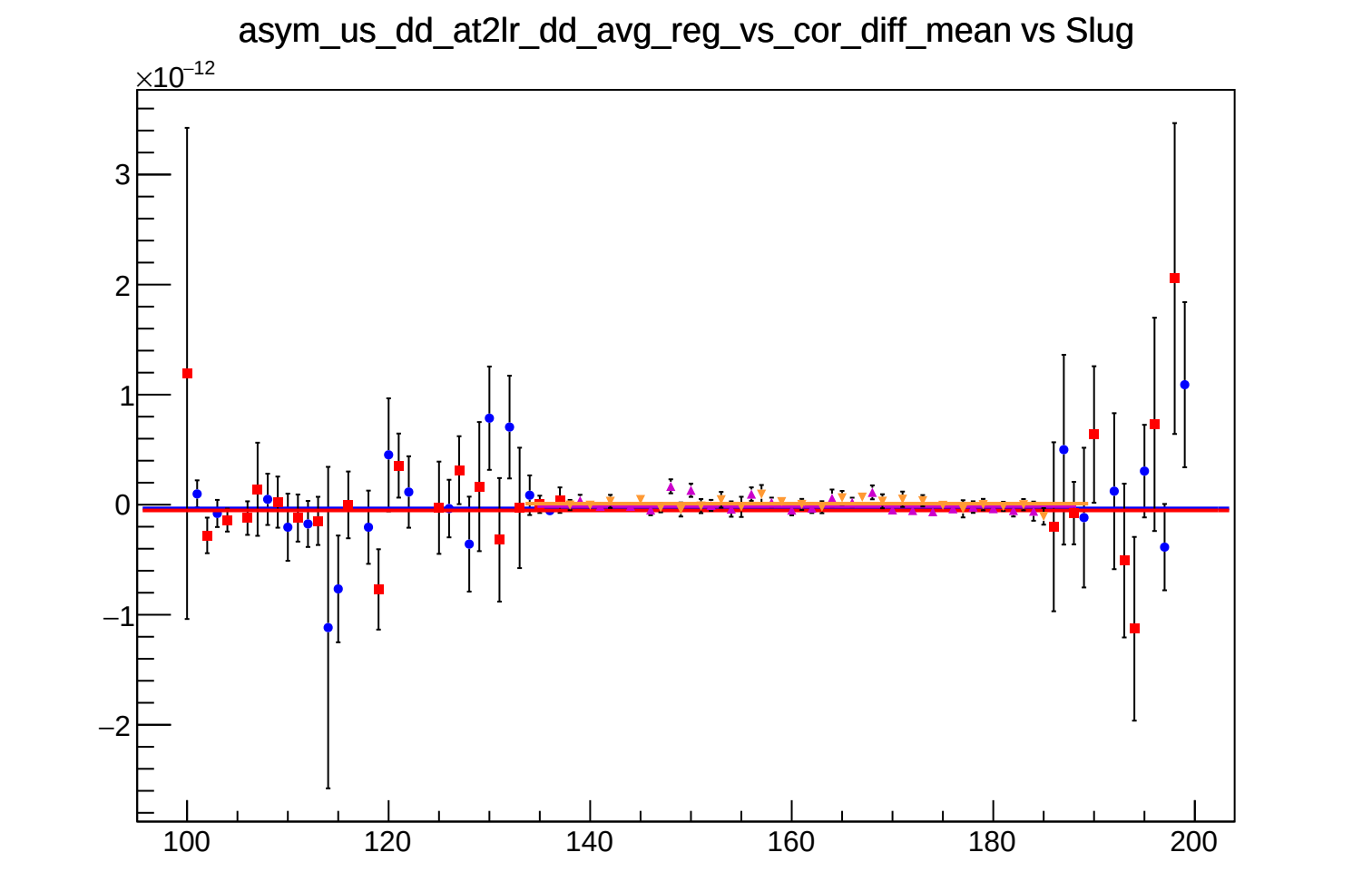
Right Out: 3630.947+/-0.764 χ^2/NDF: 1747080.8/24

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2758.541+/-0.365 χ^2/NDF: 3060051.1/45

All: 2762.814+/-0.258 χ^2/NDF: 6578215.1/93

- 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
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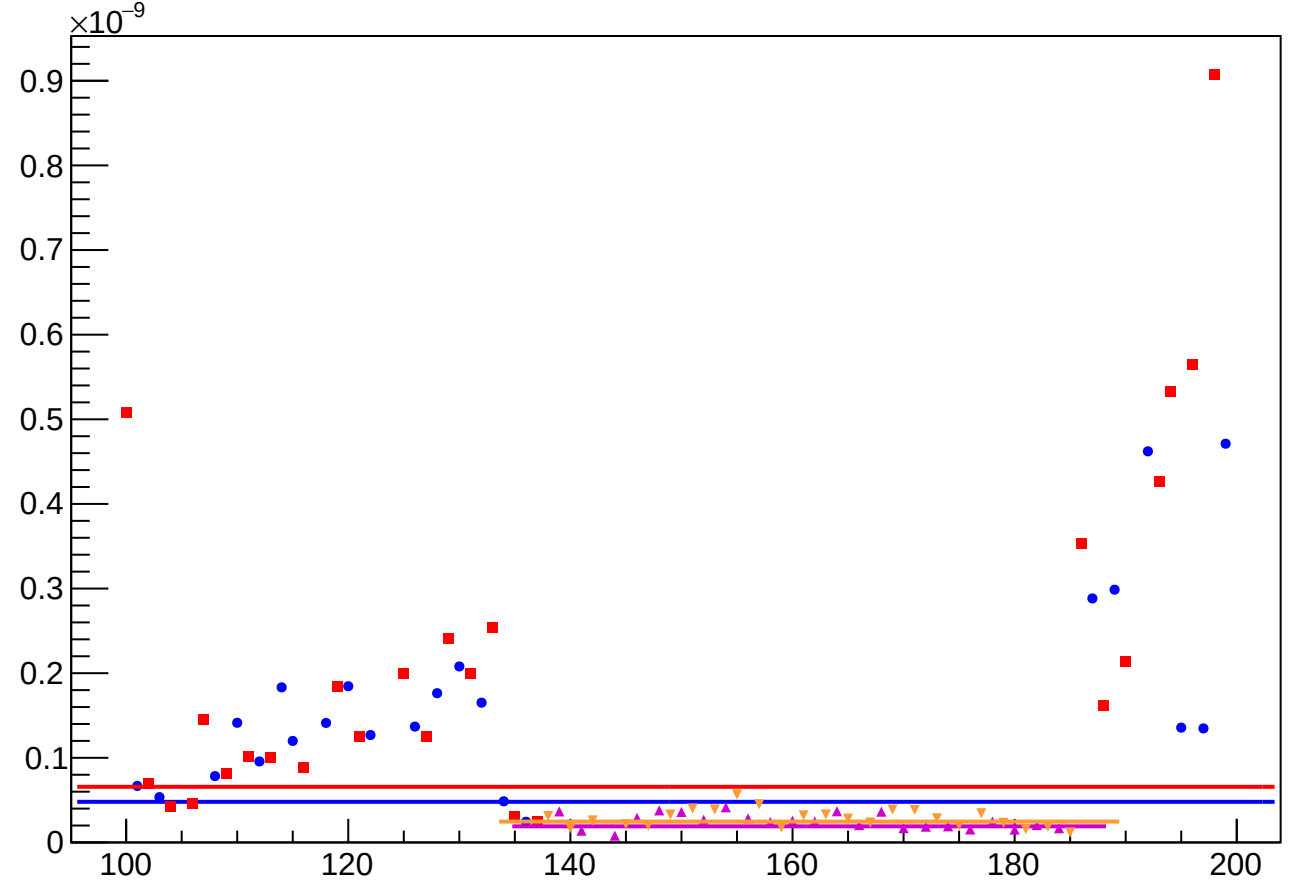
200
Right In: -0.000+/-0.000 χ²/NDF: 17.3/21
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.8/24
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 31.0/45
All: -0.000+/-0.000 χ²/NDF: 84.2/93
- sign -0.000+/-0.000 χ²/NDF: 50.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 4228886.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

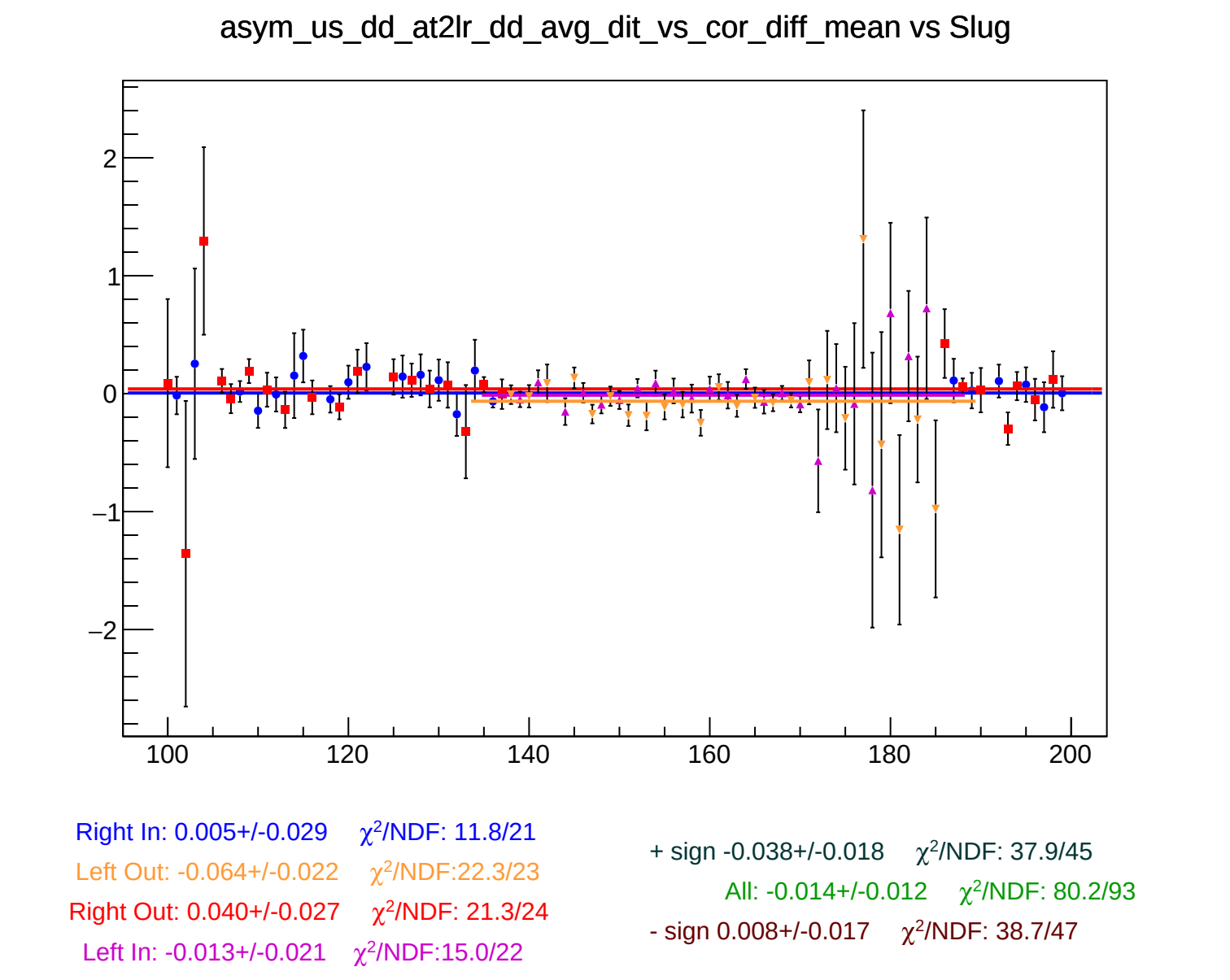
Right Out: 0.000+/-0.000 χ^2/NDF: 5182397.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6510737.5/45

All: 0.000+/-0.000 χ^2/NDF: 16606570.7/93

- sign 0.000+/-0.000 χ^2/NDF: 9695752.6/47


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug
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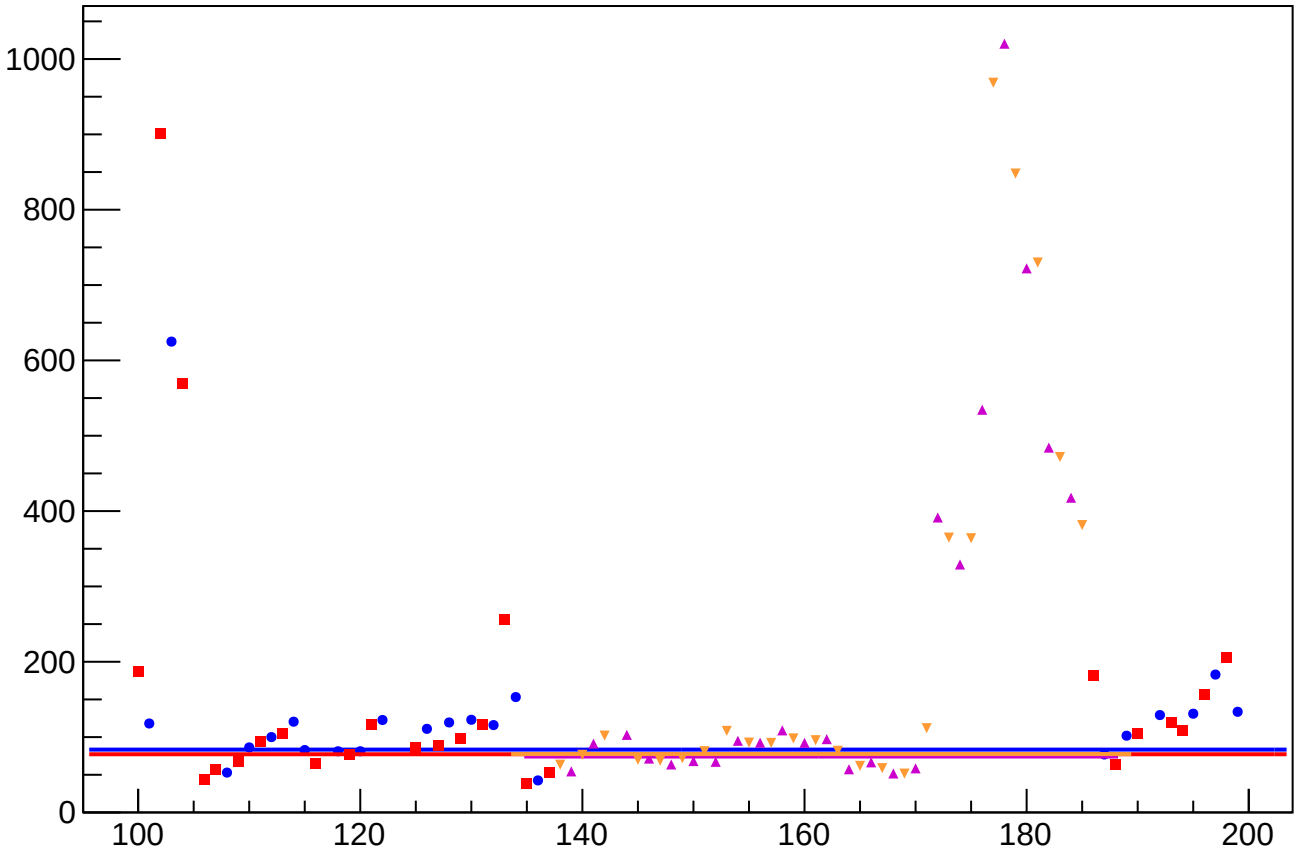
Right In: 0.005+/-0.029 χ²/NDF: 11.8/21
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.040+/-0.027 χ²/NDF: 21.3/24
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.038+/-0.018 χ²/NDF: 37.9/45
All: -0.014+/-0.012 χ²/NDF: 80.2/93
- sign 0.008+/-0.017 χ²/NDF: 38.7/47



Right In: 83.424+/-0.020 χ^2/NDF: 4196584.2/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

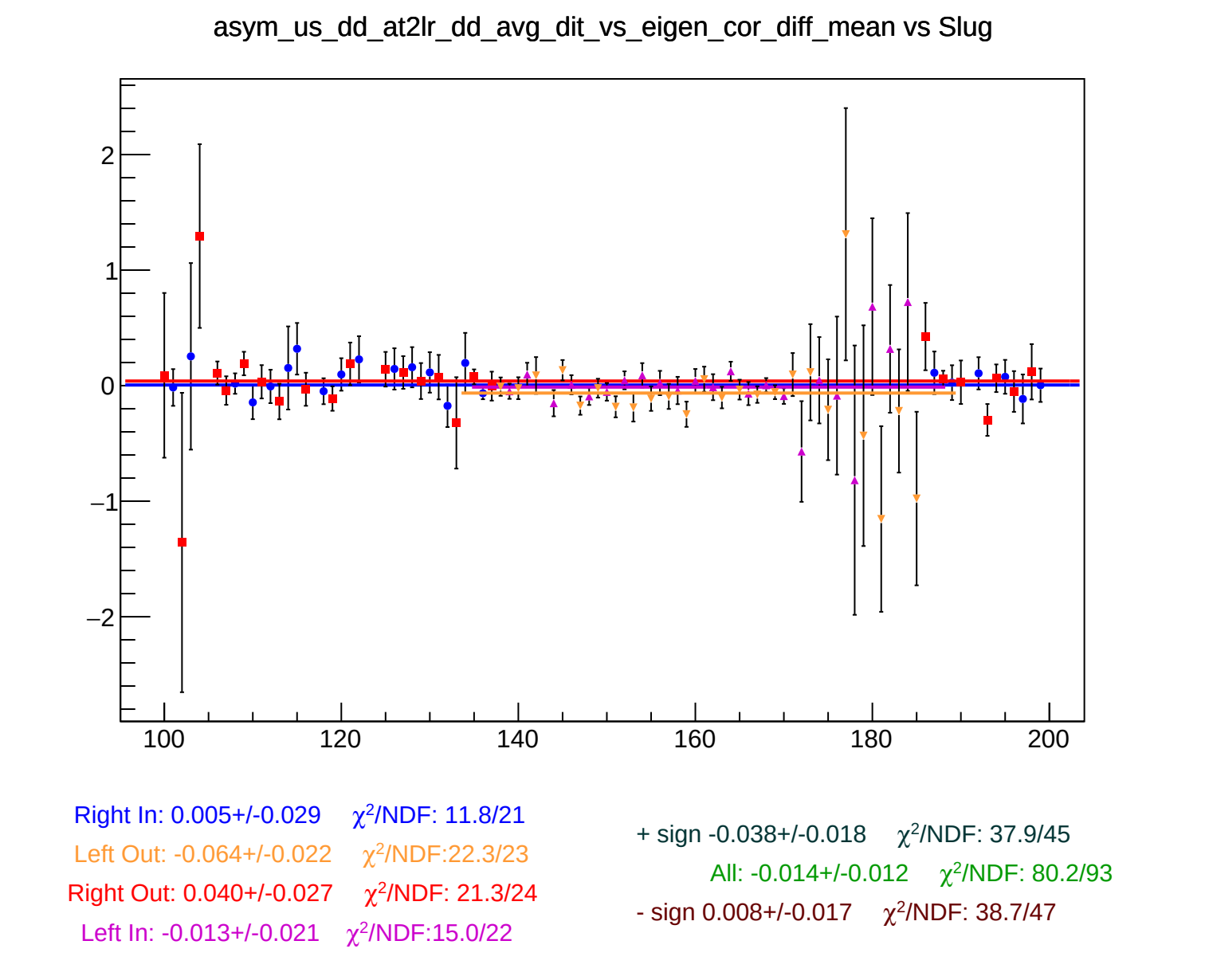
Right Out: 77.248+/-0.019 χ^2/NDF: 5154569.4/24

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 79.716+/-0.012 χ^2/NDF: 12580395.0/45

All: 77.426+/-0.009 χ^2/NDF: 26329394.3/93

\- 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
2
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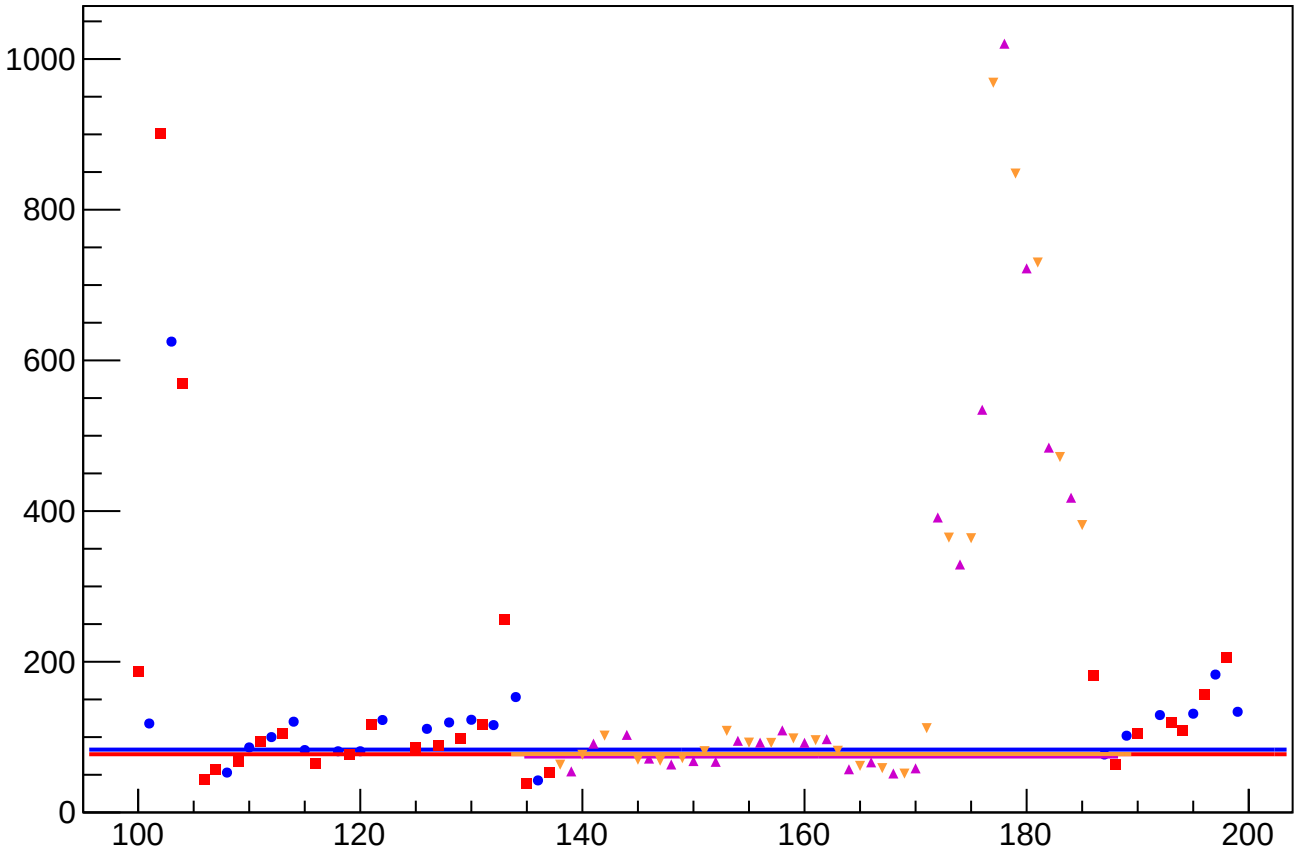
120
140
160
180
200
Right In: 0.005+/-0.029 χ²/NDF: 11.8/21
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.040+/-0.027 χ²/NDF: 21.3/24
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.038+/-0.018 χ²/NDF: 37.9/45
All: -0.014+/-0.012 χ²/NDF: 80.2/93
- sign 0.008+/-0.017 χ²/NDF: 38.7/47



Right In: 83.424+/-0.020 χ^2/NDF: 4196584.2/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

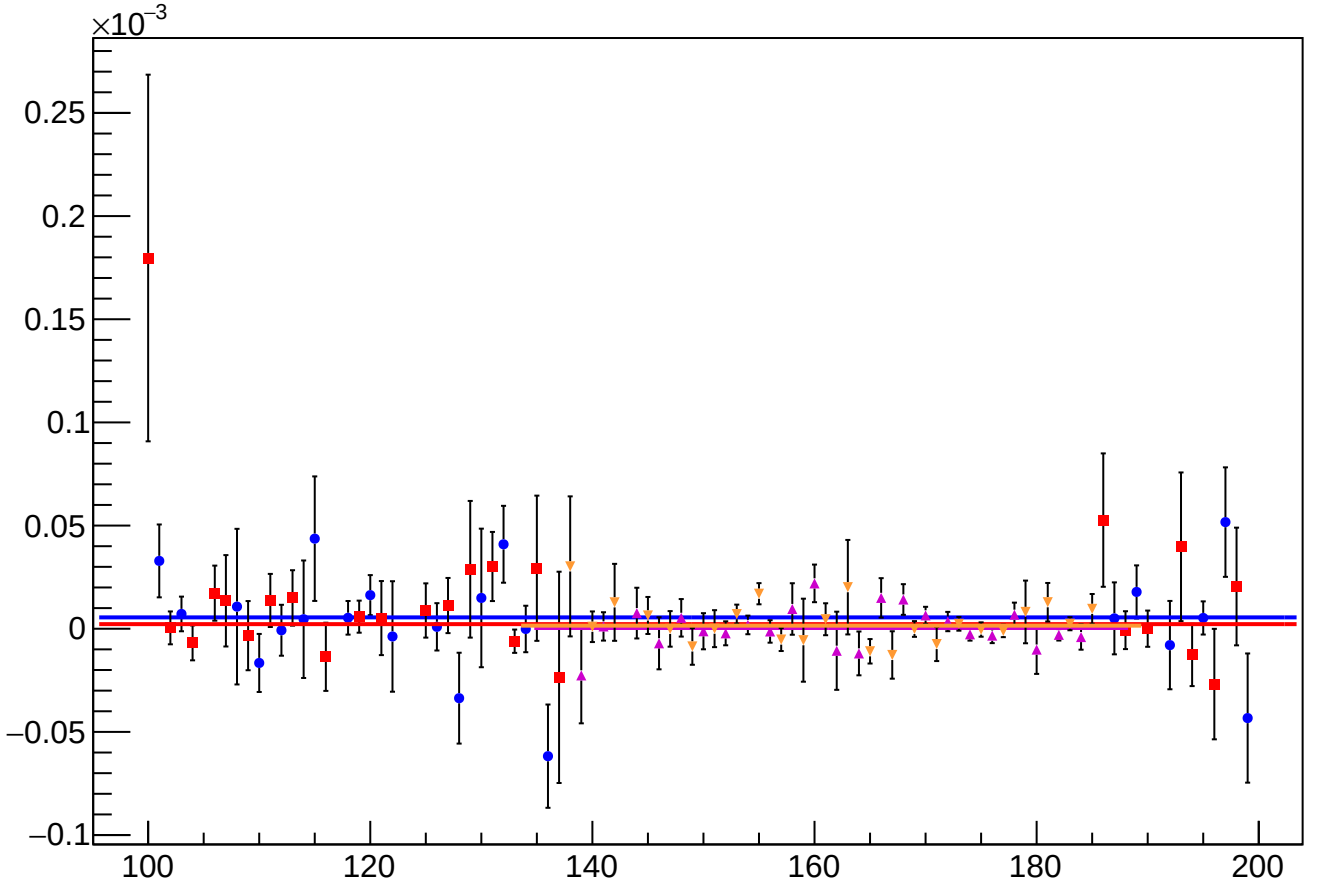
Right Out: 77.248+/-0.019 χ^2/NDF: 5154569.4/24

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 79.716+/-0.012 χ^2/NDF: 12580395.0/45

All: 77.426+/-0.009 χ^2/NDF: 26329394.3/93

- sign 75.385+/-0.012 χ^2/NDF: 13684533.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

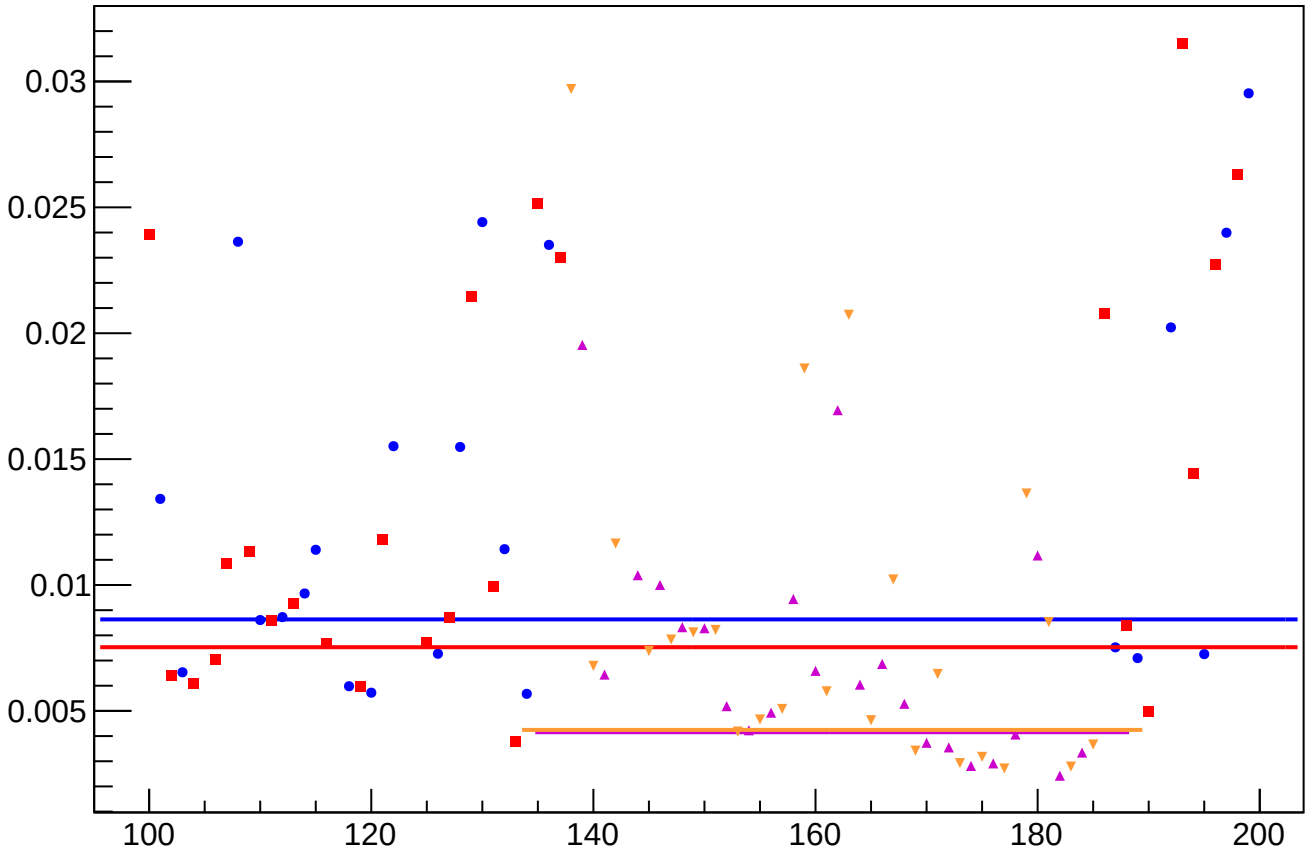
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/24

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/45

All: 0.000+/-0.000 χ^2/NDF: 106.9/93

- sign 0.000+/-0.000 χ^2/NDF: 48.1/47



Right In: 0.009+/-0.000 χ^2/NDF: 4927850.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.008+/-0.000 χ^2/NDF: 5878852.4/24

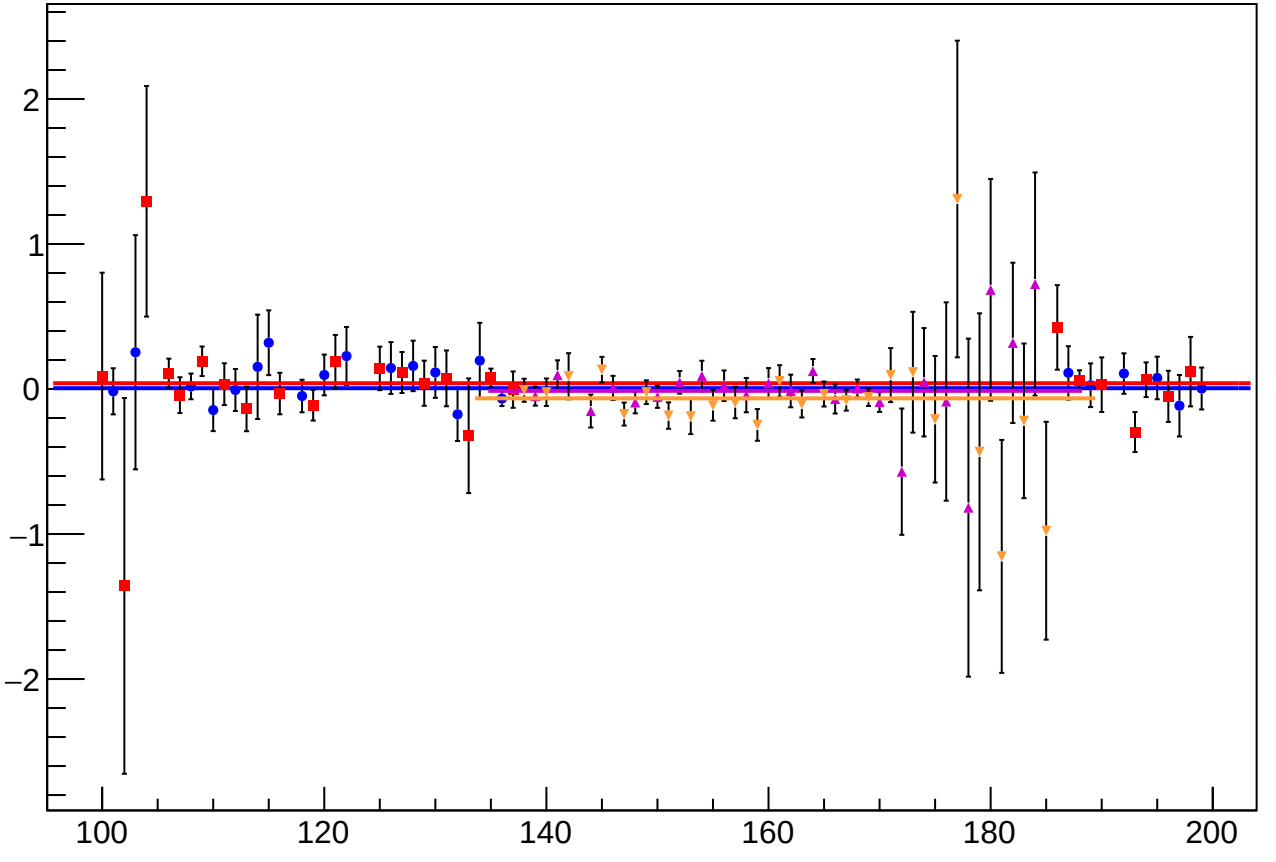
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 17315407.7/45

All: 0.005+/-0.000 χ^2/NDF: 33030668.3/93

- 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: 0.005+/-0.029 χ^2/NDF: 11.8/21

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

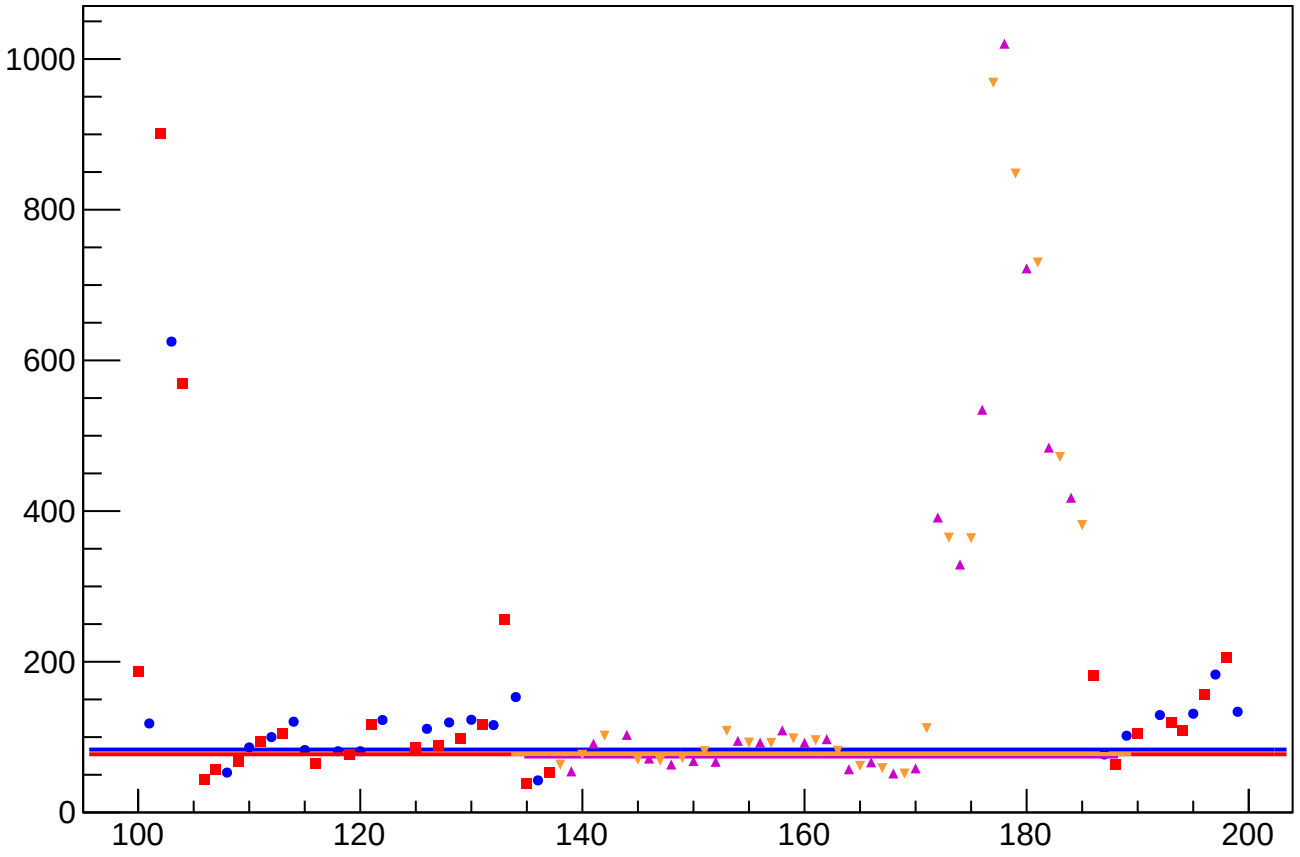
Right Out: 0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.038+/-0.018 χ^2/NDF: 37.9/45

All: -0.014+/-0.012 χ^2/NDF: 80.3/93

- sign 0.008+/-0.017 χ^2/NDF: 38.7/47



Right In: 83.447+/-0.020 χ^2/NDF: 4193230.8/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 77.239+/-0.019 χ^2/NDF: 5155919.3/24

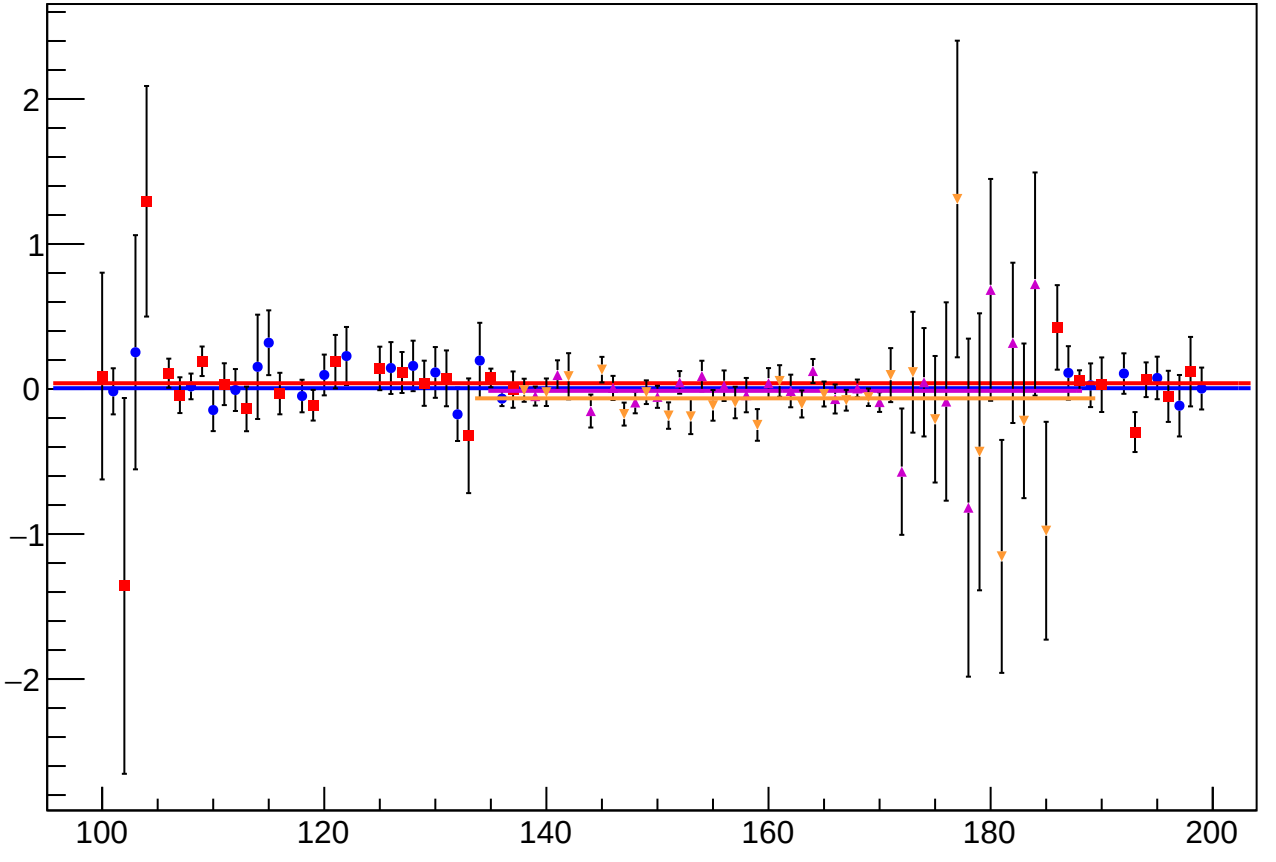
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 79.724+/-0.012 χ^2/NDF: 12577367.1/45

All: 77.428+/-0.009 χ^2/NDF: 26327633.7/93

\- 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



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

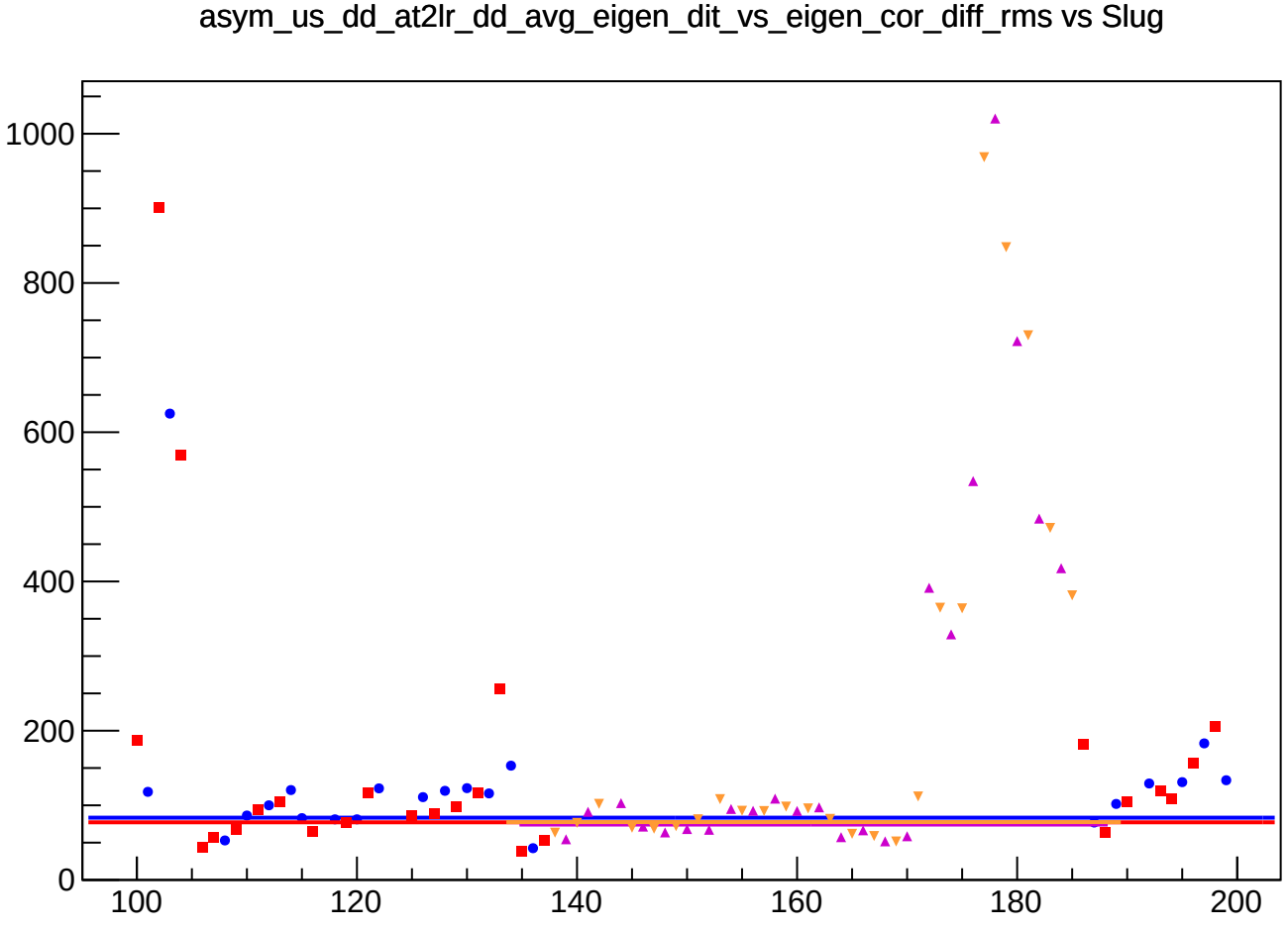
Right Out: 0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.038+/-0.018 χ^2/NDF: 37.9/45

All: -0.014+/-0.012 χ^2/NDF: 80.3/93

- sign 0.008+/-0.017 χ^2/NDF: 38.7/47



Right In: 83.447+/-0.020 χ^2/NDF: 4193230.8/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

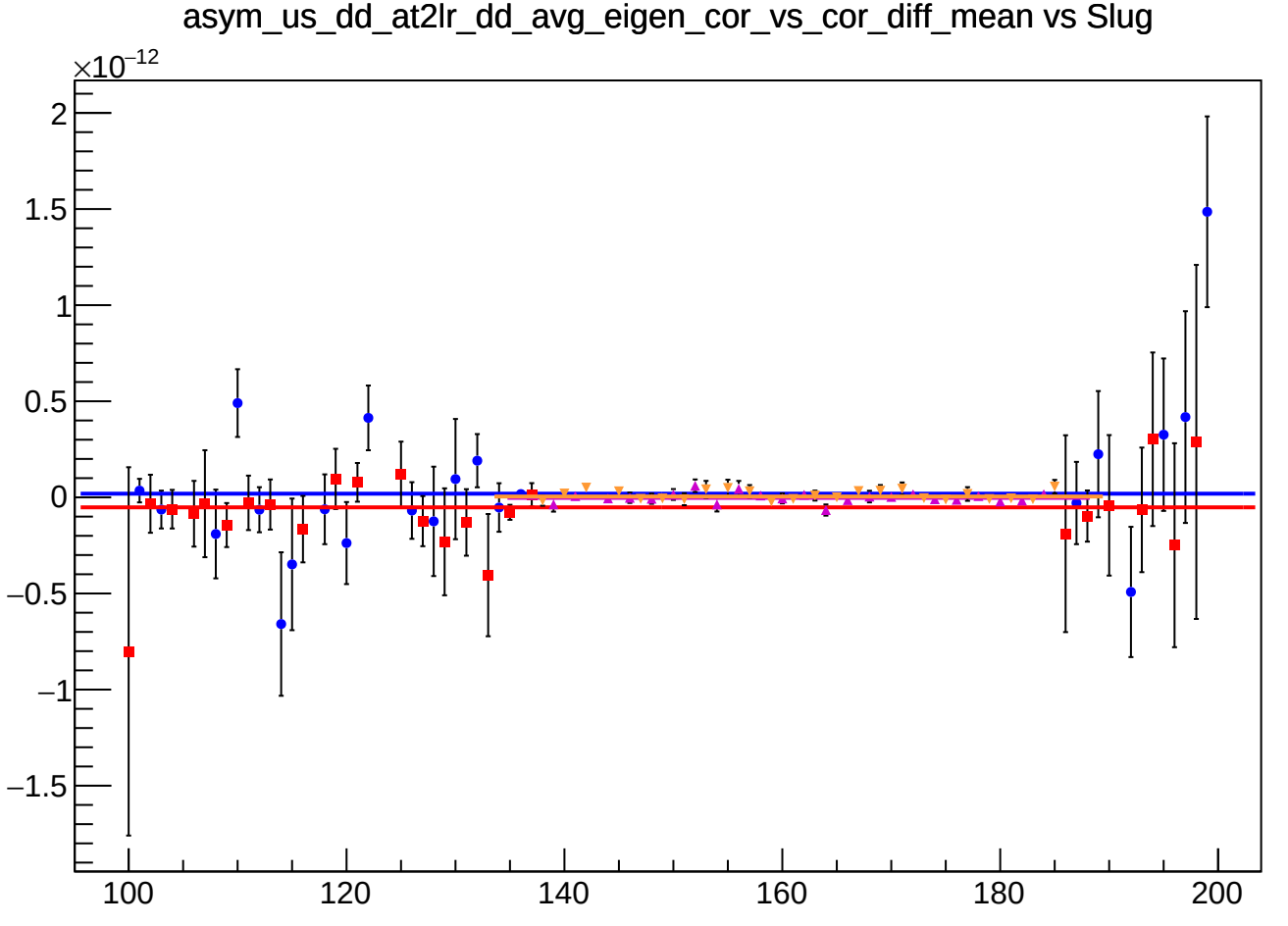
Right Out: 77.239+/-0.019 χ^2/NDF: 5155919.3/24

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 79.724+/-0.012 χ^2/NDF: 12577367.1/45

All: 77.428+/-0.009 χ^2/NDF: 26327633.7/93

- sign 75.383+/-0.012 χ^2/NDF: 13685492.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

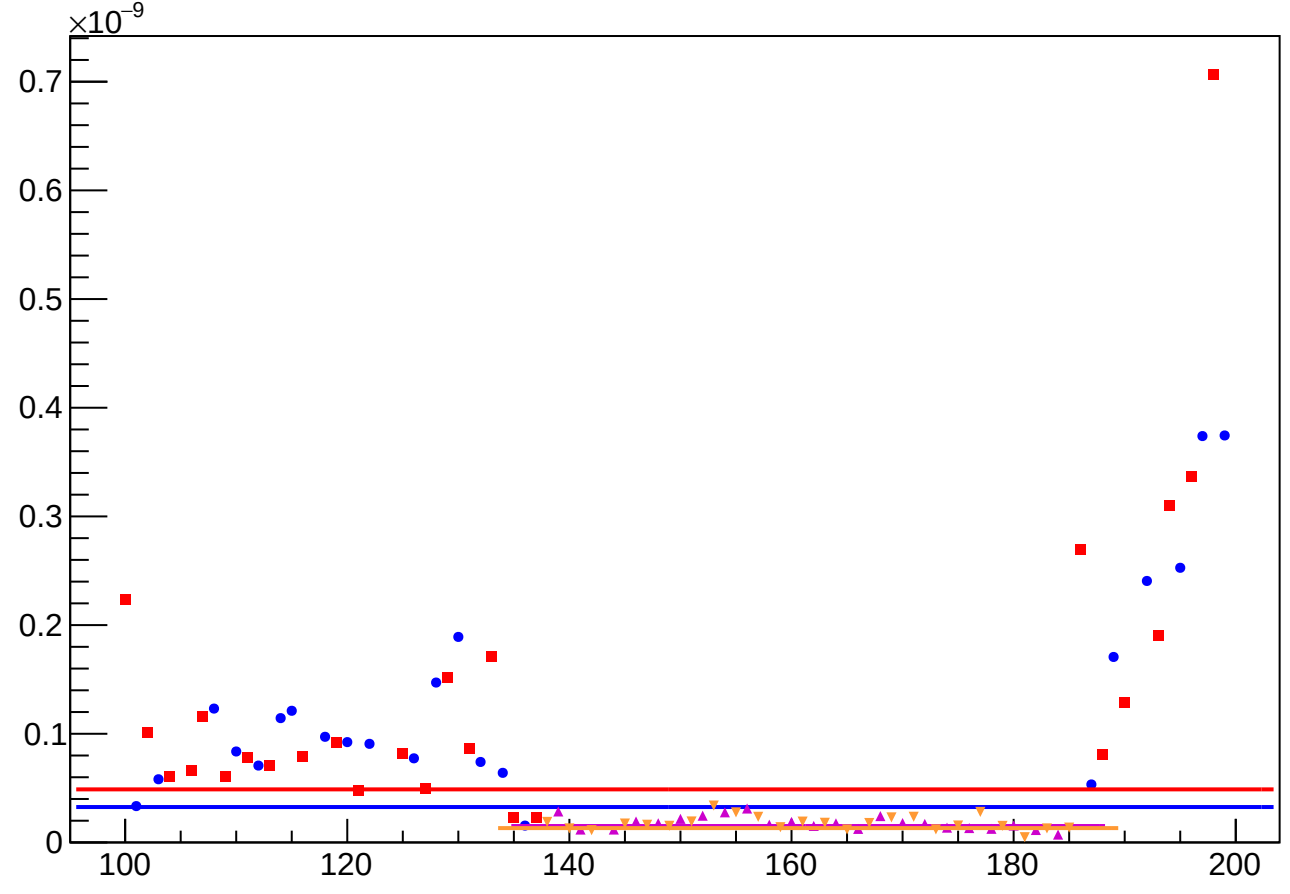
Right Out: -0.000+/-0.000 χ^2/NDF: 10.1/24

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.2/45

All: 0.000+/-0.000 χ^2/NDF: 92.2/93

- sign -0.000+/-0.000 χ^2/NDF: 31.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 7582112.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6092265.8/24

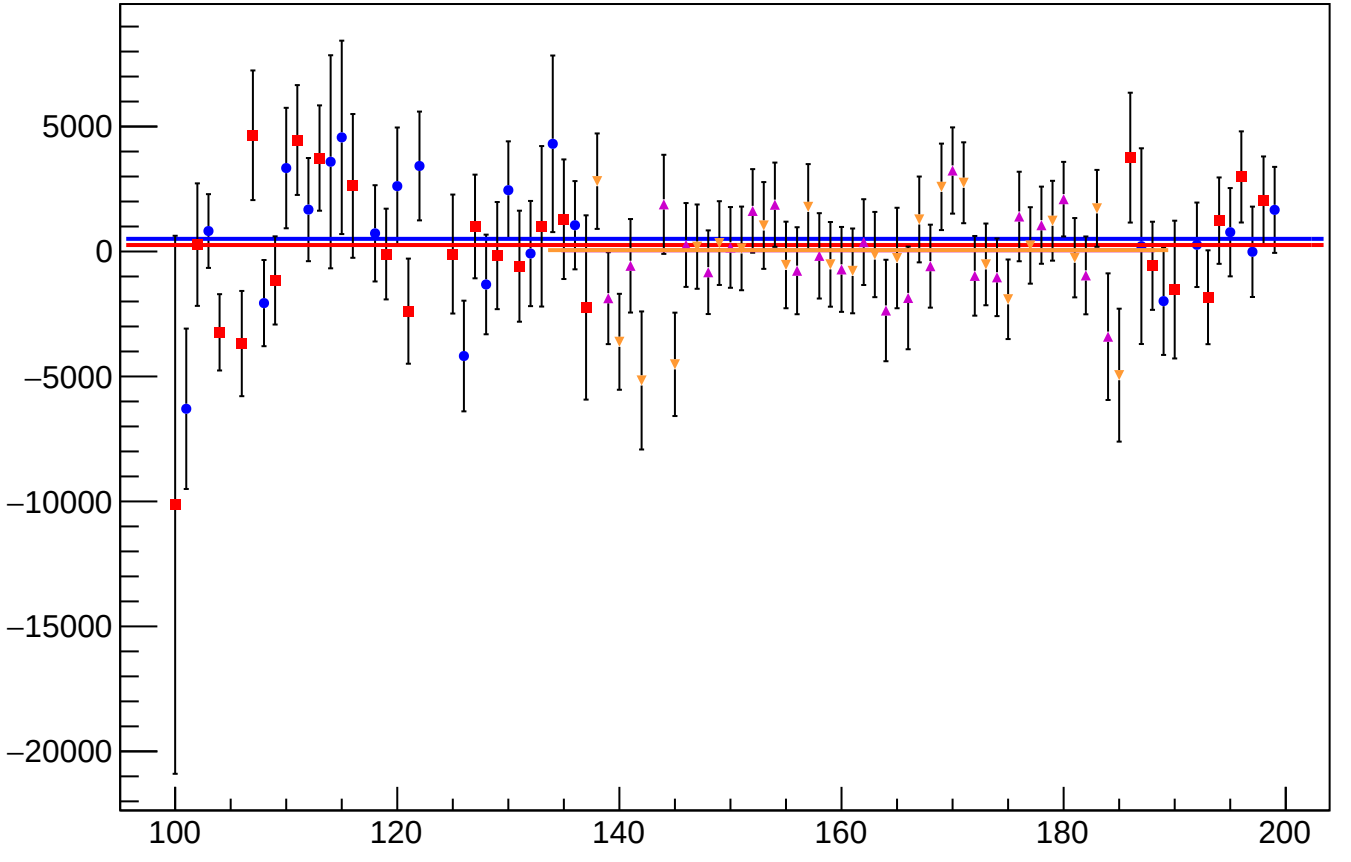
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13768594.7/45

All: 0.000+/-0.000 χ^2/NDF: 26010439.0/93

- sign 0.000+/-0.000 χ^2/NDF: 11996401.9/47

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 506.356+/-446.141 χ^2/NDF: 22.3/21

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 258.862+/-430.528 χ^2/NDF: 30.1/24

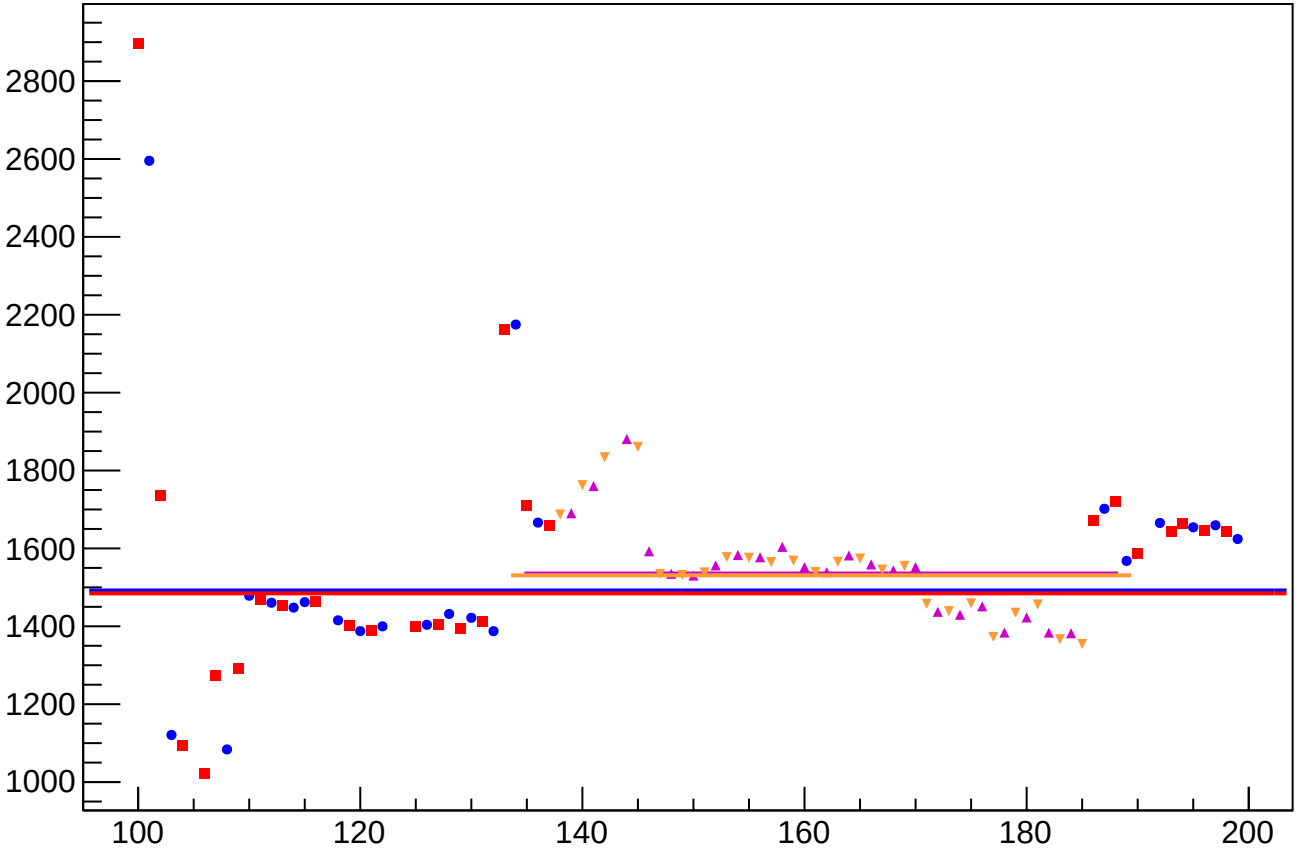
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

\+ sign 230.675+/-278.446 χ^2/NDF: 51.4/45

All: 182.276+/-196.006 χ^2/NDF: 98.5/93

\- sign 134.738+/-275.960 χ^2/NDF: 47.1/47

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1492.086+/-0.315 χ^2/NDF: 668492.7/21

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

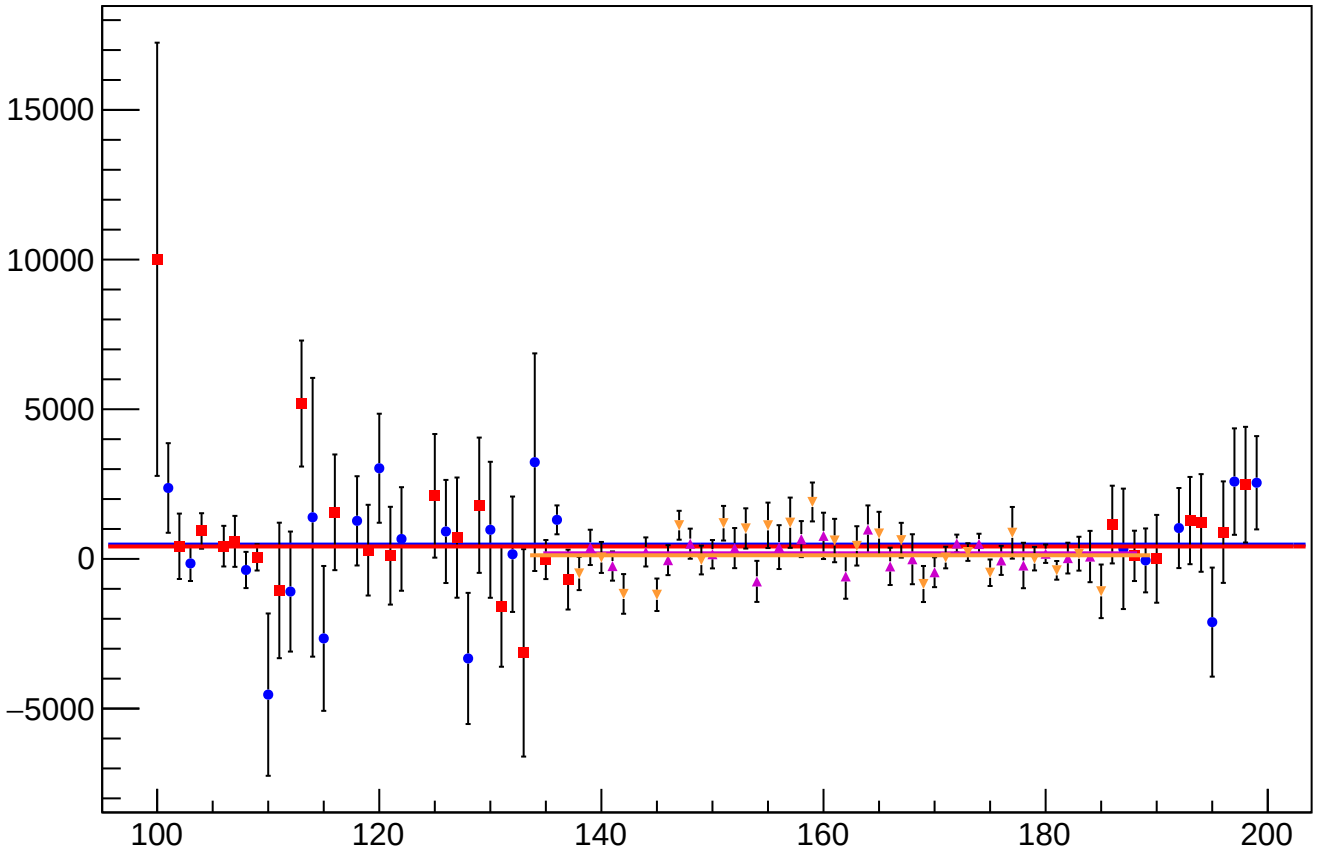
Right Out: 1484.573+/-0.304 χ^2/NDF: 568641.9/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.827+/-0.197 χ^2/NDF: 881310.0/45

All: 1515.211+/-0.139 χ^2/NDF: 1658924.4/93

- sign 1514.606+/-0.195 χ^2/NDF: 777595.0/47



Right In: 478.132+/-251.198 χ^2/NDF: 25.0/21

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 415.332+/-212.057 χ^2/NDF: 16.3/24

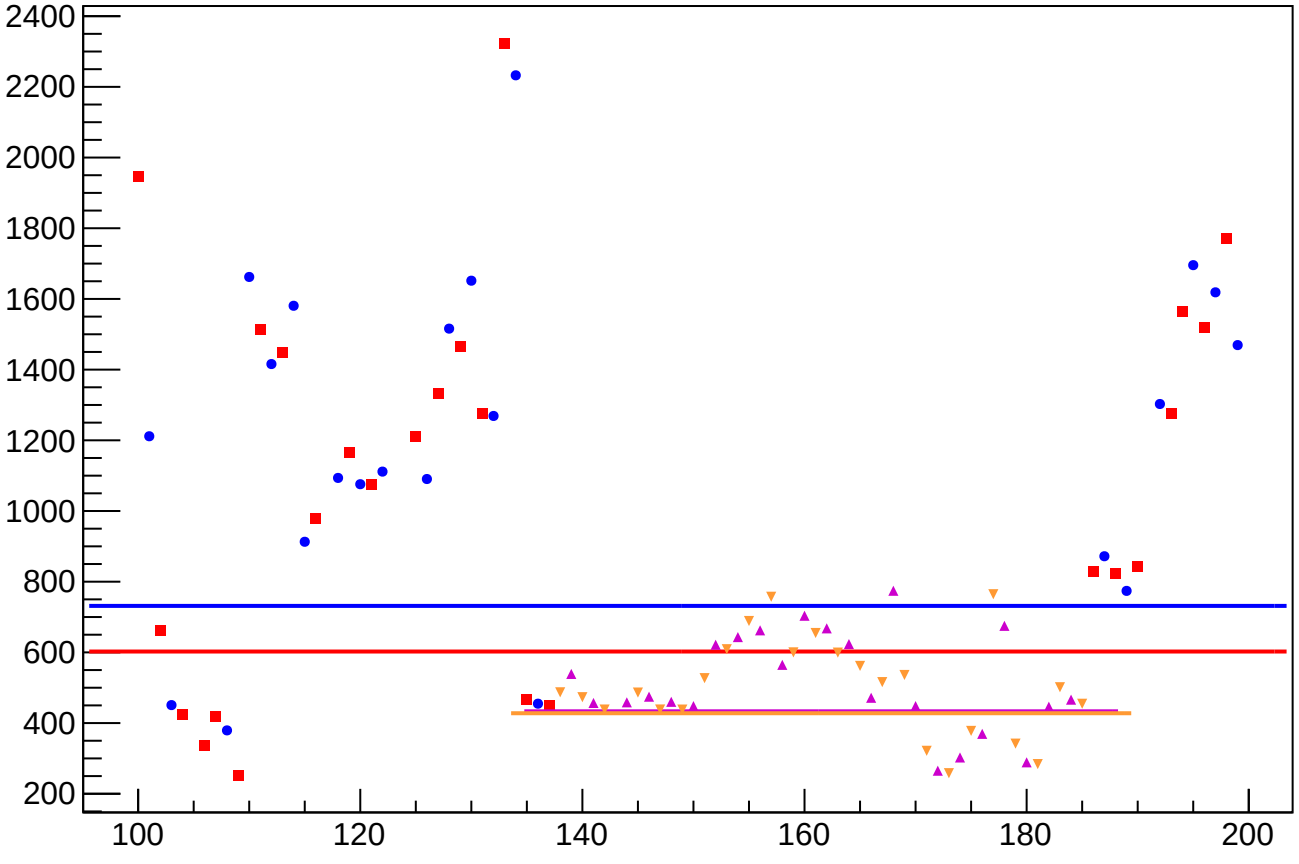
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 174.448+/-96.924 χ^2/NDF: 70.3/45

All: 204.246+/-68.030 χ^2/NDF: 99.4/93

- sign 233.182+/-95.511 χ^2/NDF: 28.9/47

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 731.525+/-0.178 χ^2/NDF: 5880710.7/21

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 602.427+/-0.150 χ^2/NDF: 7383216.6/24

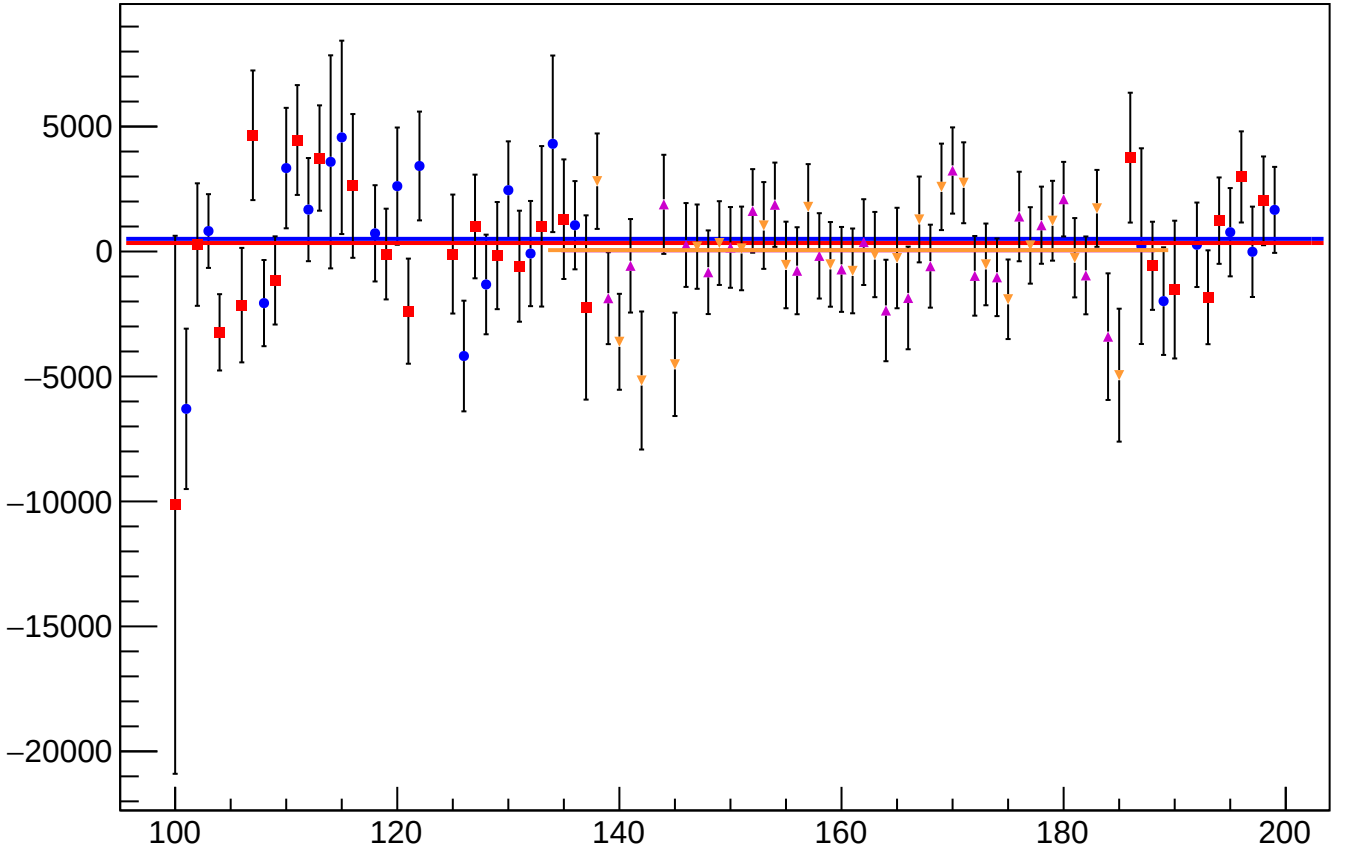
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 473.030+/-0.069 χ^2/NDF: 11557211.0/45

All: 470.273+/-0.048 χ^2/NDF: 23205929.6/93

- sign 467.596+/-0.068 χ^2/NDF: 11645528.5/47

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 506.334+/-446.141 χ^2/NDF: 22.3/21

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 339.417+/-431.927 χ^2/NDF: 27.7/24

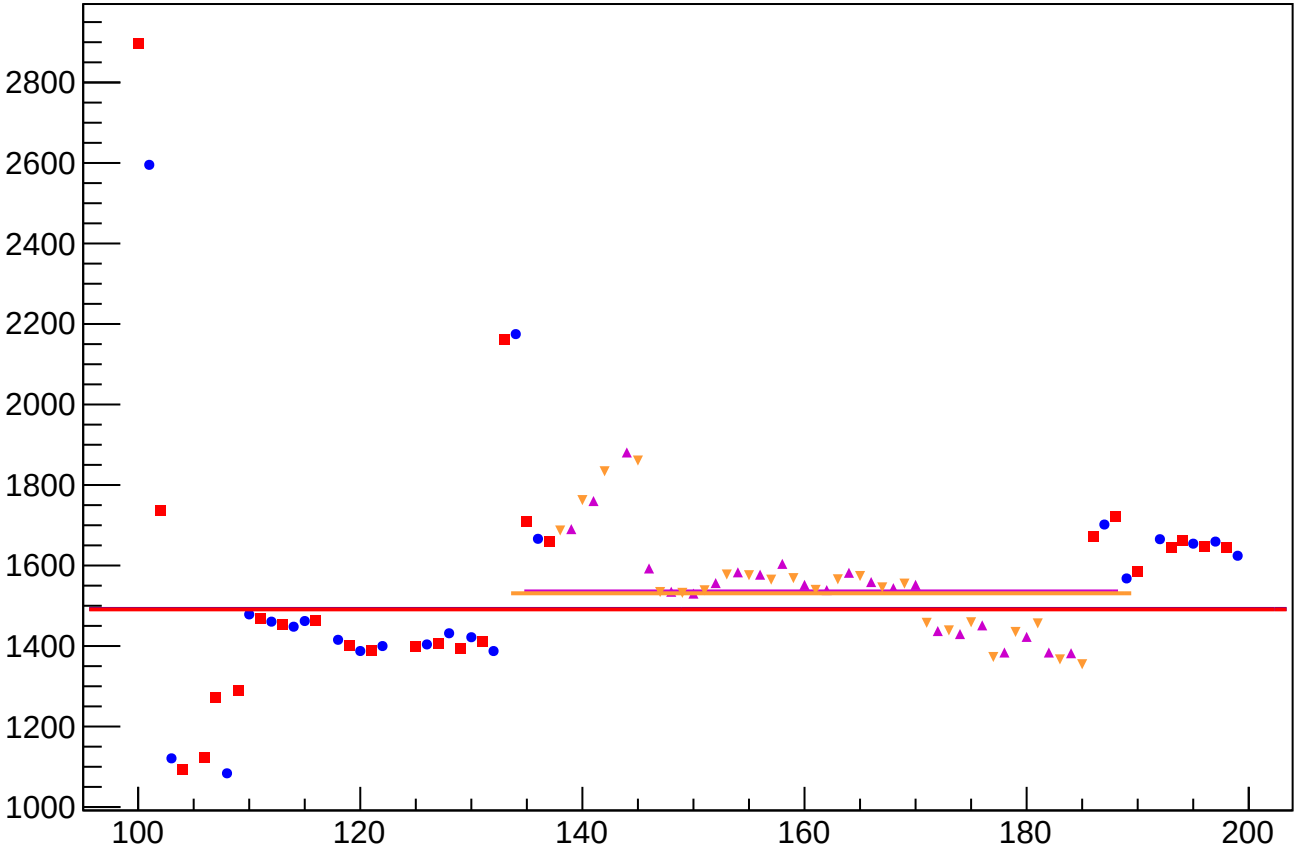
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 230.644+/-278.446 χ^2/NDF: 51.4/45

All: 198.793+/-196.138 χ^2/NDF: 96.1/93

- sign 167.424+/-276.328 χ^2/NDF: 44.7/47

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1492.085+/-0.315 χ^2/NDF: 668493.0/21

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

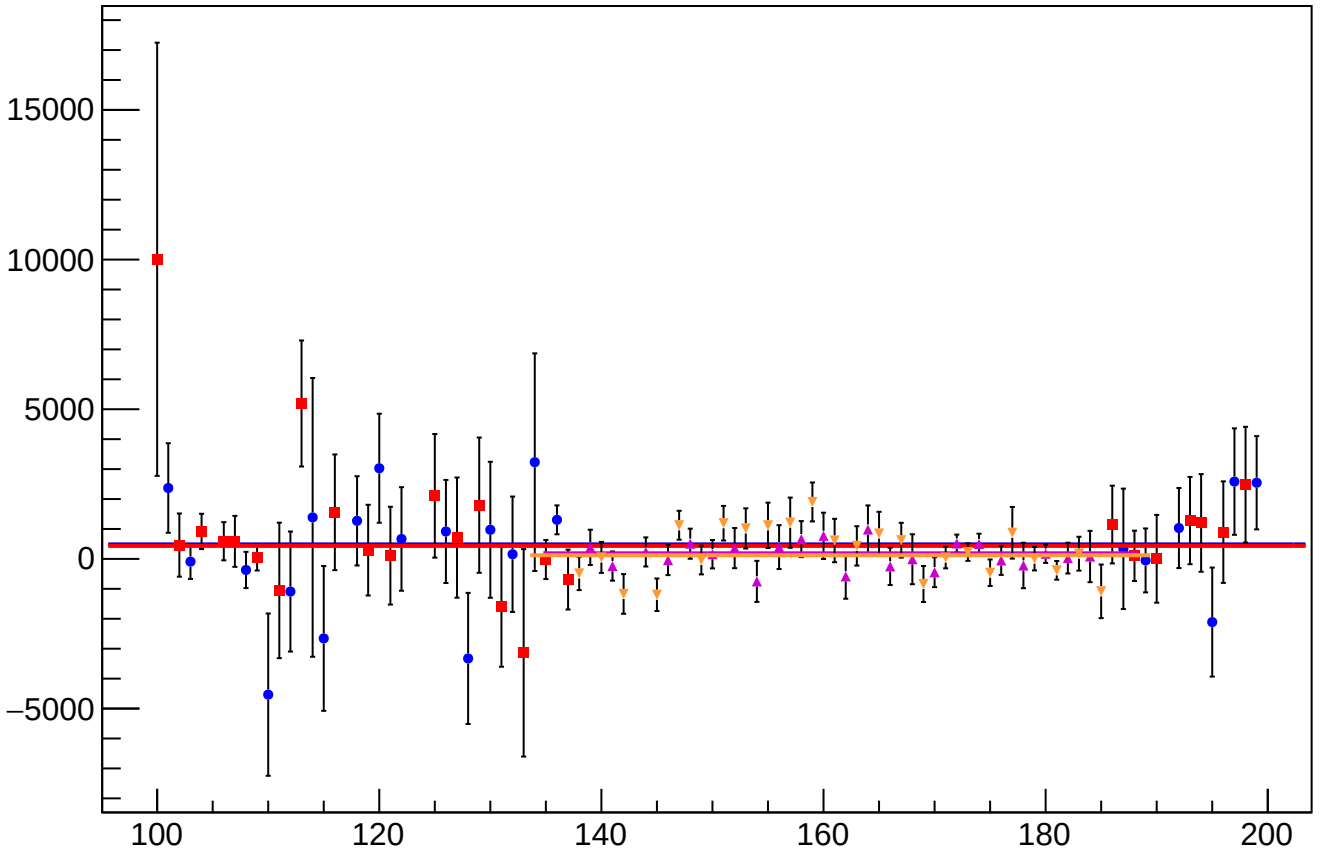
Right Out: 1491.108+/-0.305 χ^2/NDF: 522112.3/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.827+/-0.197 χ^2/NDF: 881310.4/45

All: 1516.600+/-0.139 χ^2/NDF: 1608394.2/93

- sign 1517.361+/-0.195 χ^2/NDF: 727053.3/47



Right In: 484.998+/-250.307 χ^2/NDF: 24.8/21

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 434.000+/-210.266 χ^2/NDF: 16.4/24

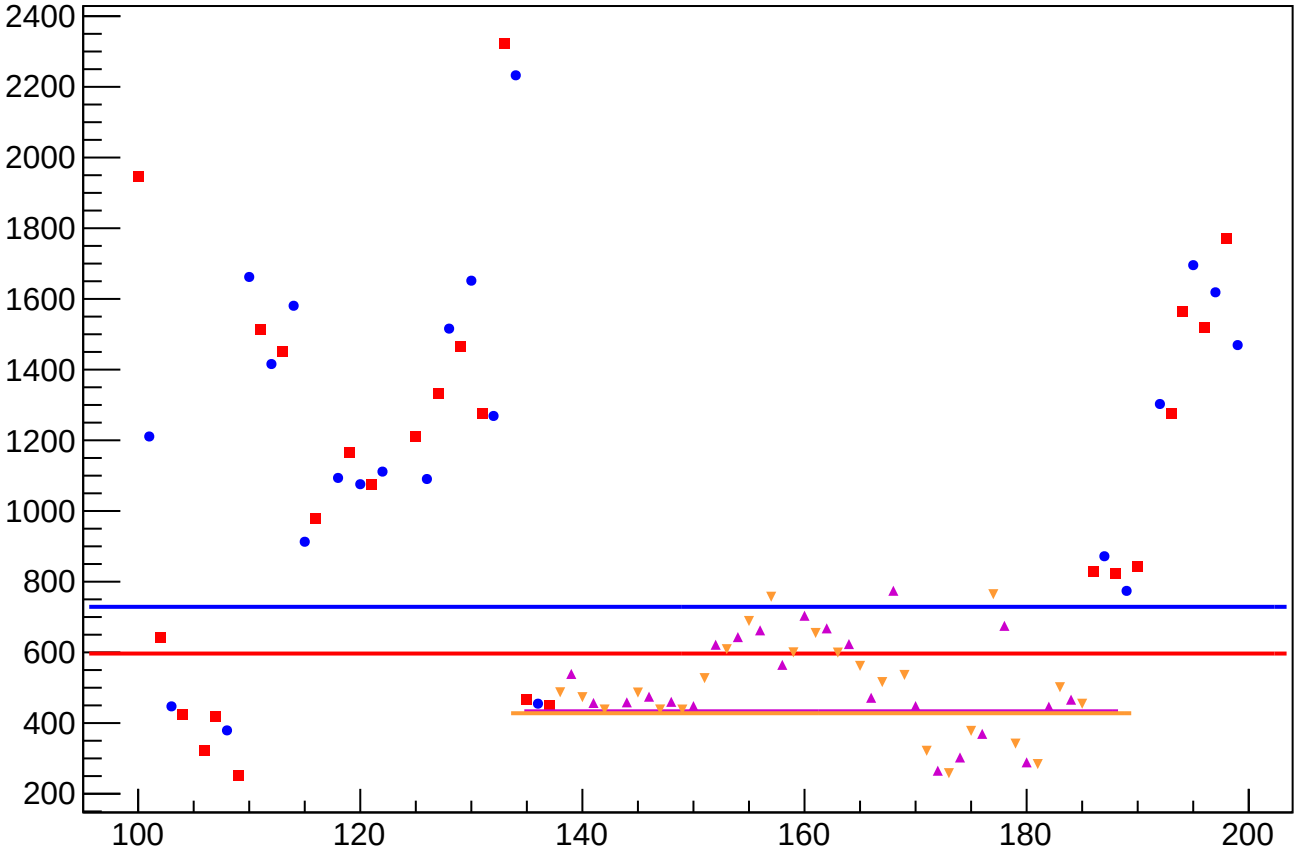
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 175.797+/-96.873 χ^2/NDF: 70.2/45

All: 207.300+/-67.953 χ^2/NDF: 99.5/93

- sign 237.816+/-95.345 χ^2/NDF: 29.1/47

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 728.865+/-0.177 χ^2/NDF: 5910058.8/21

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

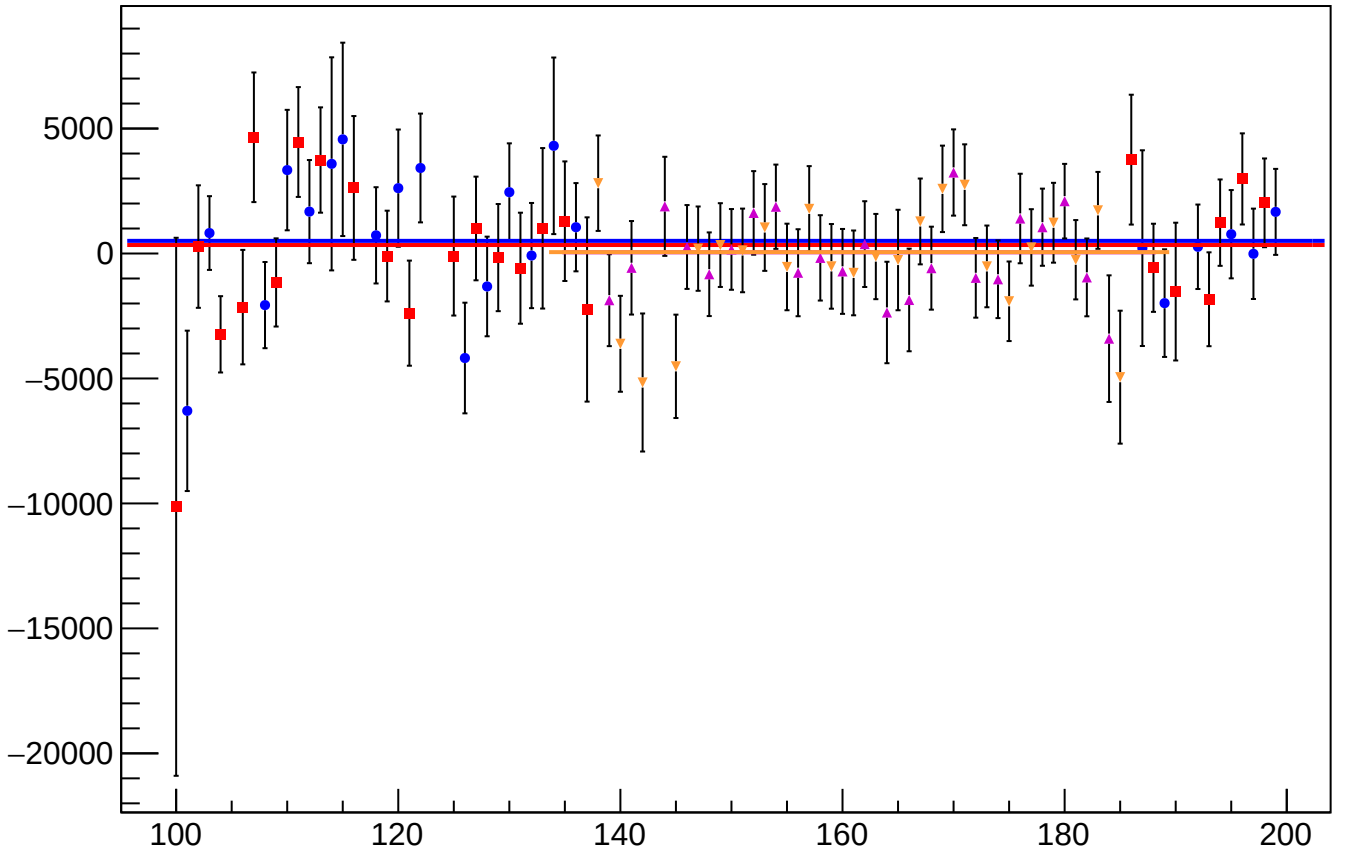
Right Out: 596.702+/-0.149 χ^2/NDF: 7455992.7/24

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 472.906+/-0.068 χ^2/NDF: 11558230.6/45

All: 469.848+/-0.048 χ^2/NDF: 23225669.0/93

- sign 466.886+/-0.067 χ^2/NDF: 11663515.0/47



Right In: 506.334+/-446.141 χ^2/NDF: 22.3/21

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 339.417+/-431.927 χ^2/NDF: 27.7/24

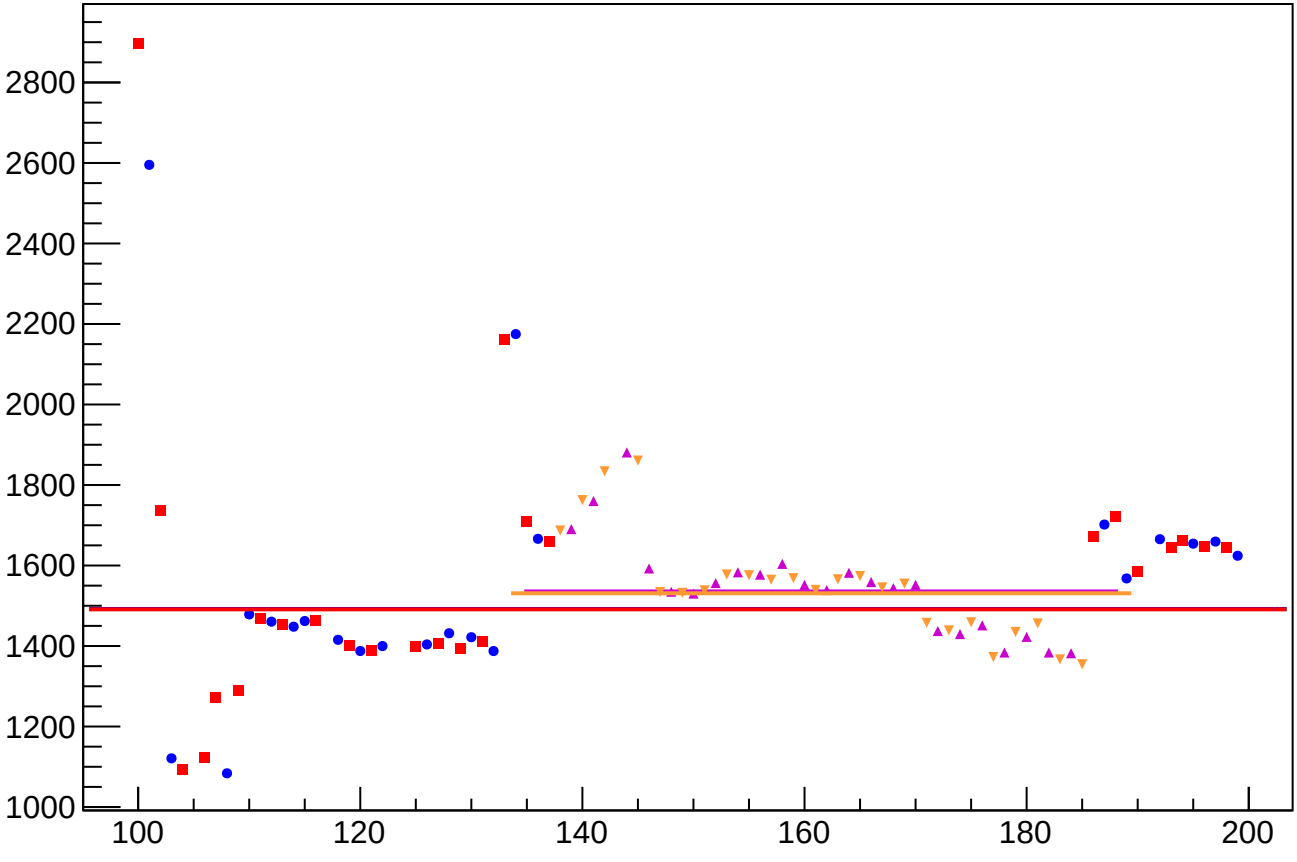
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 230.644+/-278.446 χ^2/NDF: 51.4/45

All: 198.793+/-196.138 χ^2/NDF: 96.1/93

- sign 167.424+/-276.328 χ^2/NDF: 44.7/47

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1492.085+/-0.315 χ^2/NDF: 668493.0/21

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

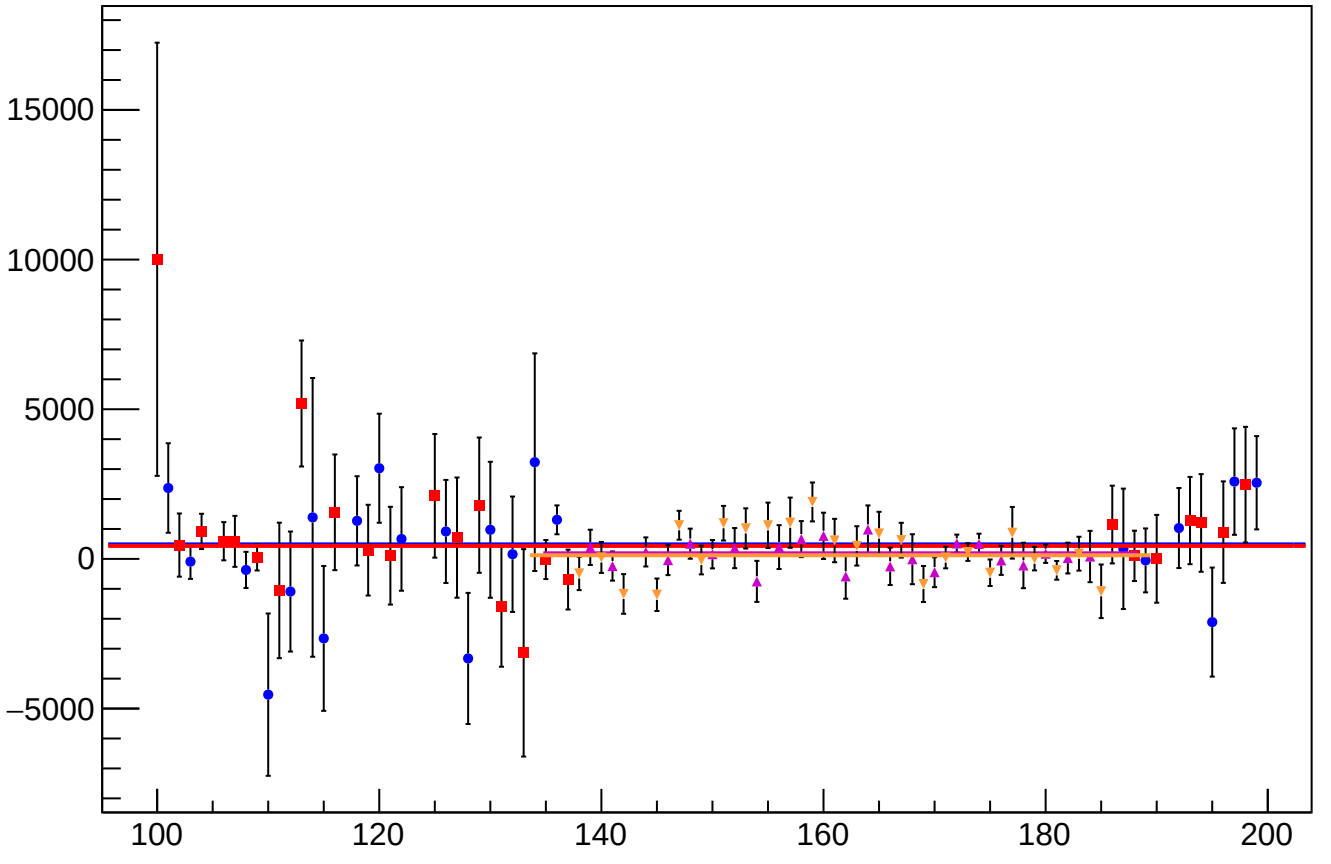
Right Out: 1491.108+/-0.305 χ^2/NDF: 522112.3/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.827+/-0.197 χ^2/NDF: 881310.4/45

All: 1516.600+/-0.139 χ^2/NDF: 1608394.2/93

- sign 1517.361+/-0.195 χ^2/NDF: 727053.3/47



Right In: 484.998+/-250.307 χ^2/NDF: 24.8/21

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

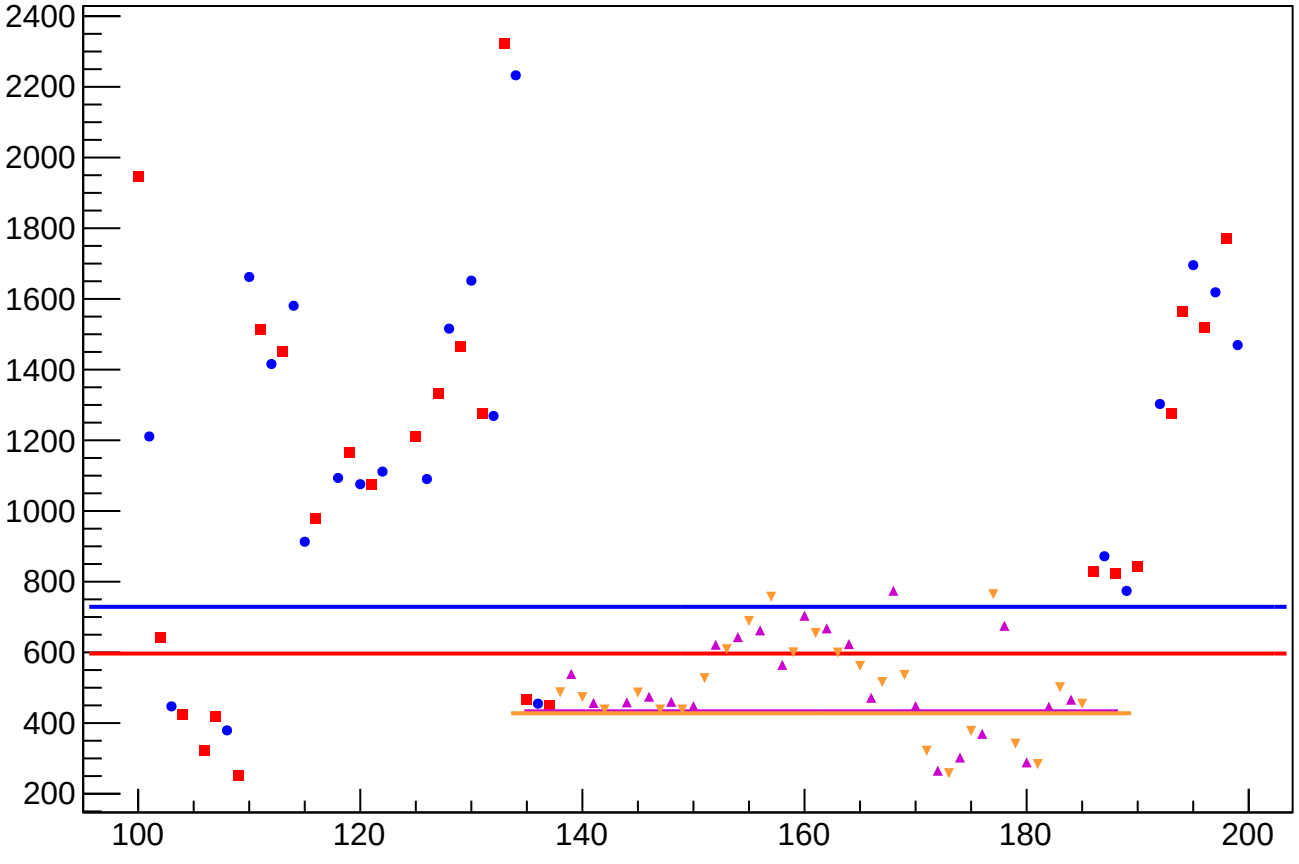
Right Out: 434.000+/-210.266 χ^2/NDF: 16.4/24

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 175.797+/-96.873 χ^2/NDF: 70.2/45

All: 207.300+/-67.953 χ^2/NDF: 99.5/93

- sign 237.816+/-95.345 χ^2/NDF: 29.1/47



Right In: 728.865+/-0.177 χ^2/NDF: 5910058.8/21

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 596.702+/-0.149 χ^2/NDF: 7455992.7/24

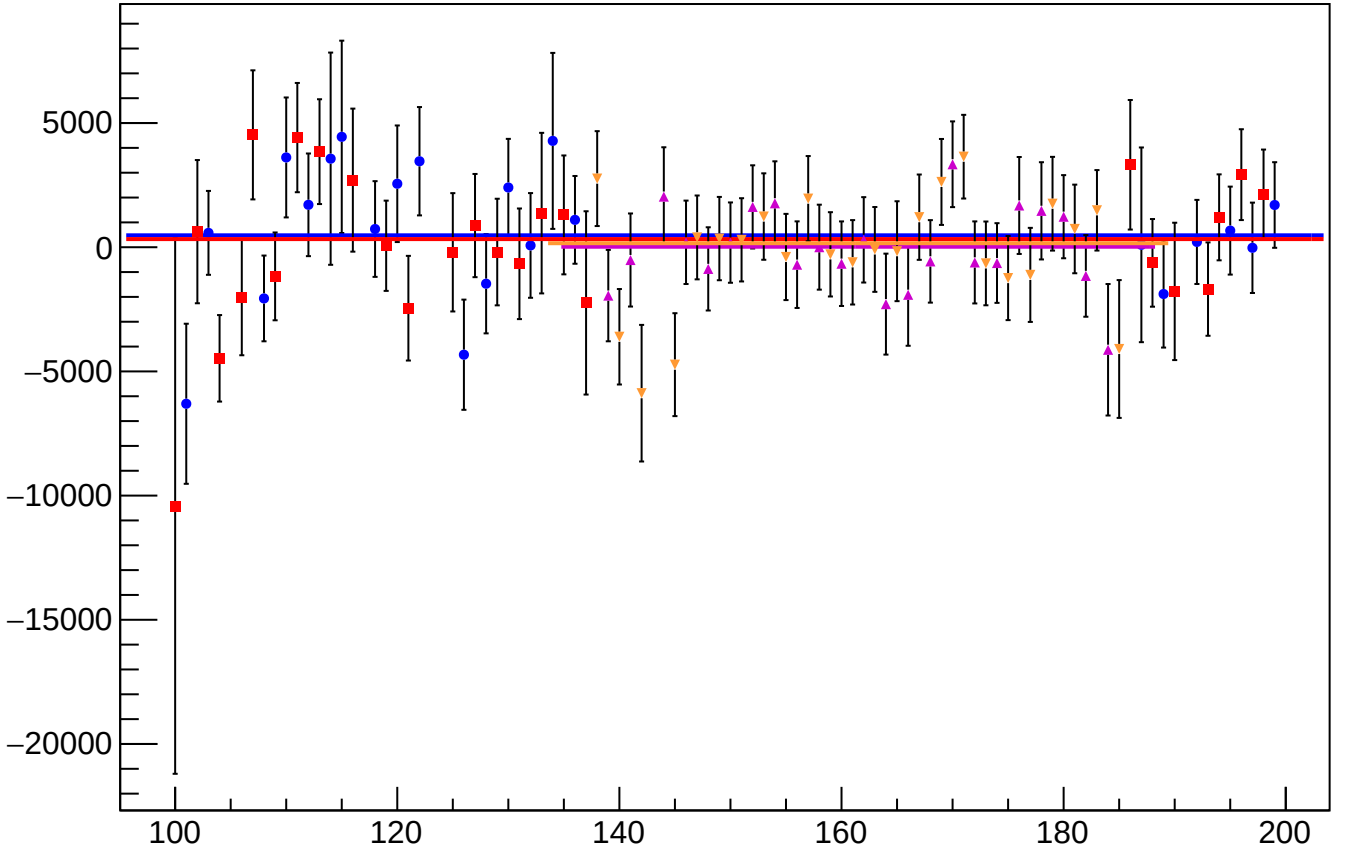
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 472.906+/-0.068 χ^2/NDF: 11558230.6/45

All: 469.848+/-0.048 χ^2/NDF: 23225669.0/93

- sign 466.886+/-0.067 χ^2/NDF: 11663515.0/47

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 479.691+/-451.899 χ^2/NDF: 22.6/21

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 327.685+/-438.985 χ^2/NDF: 29.4/24

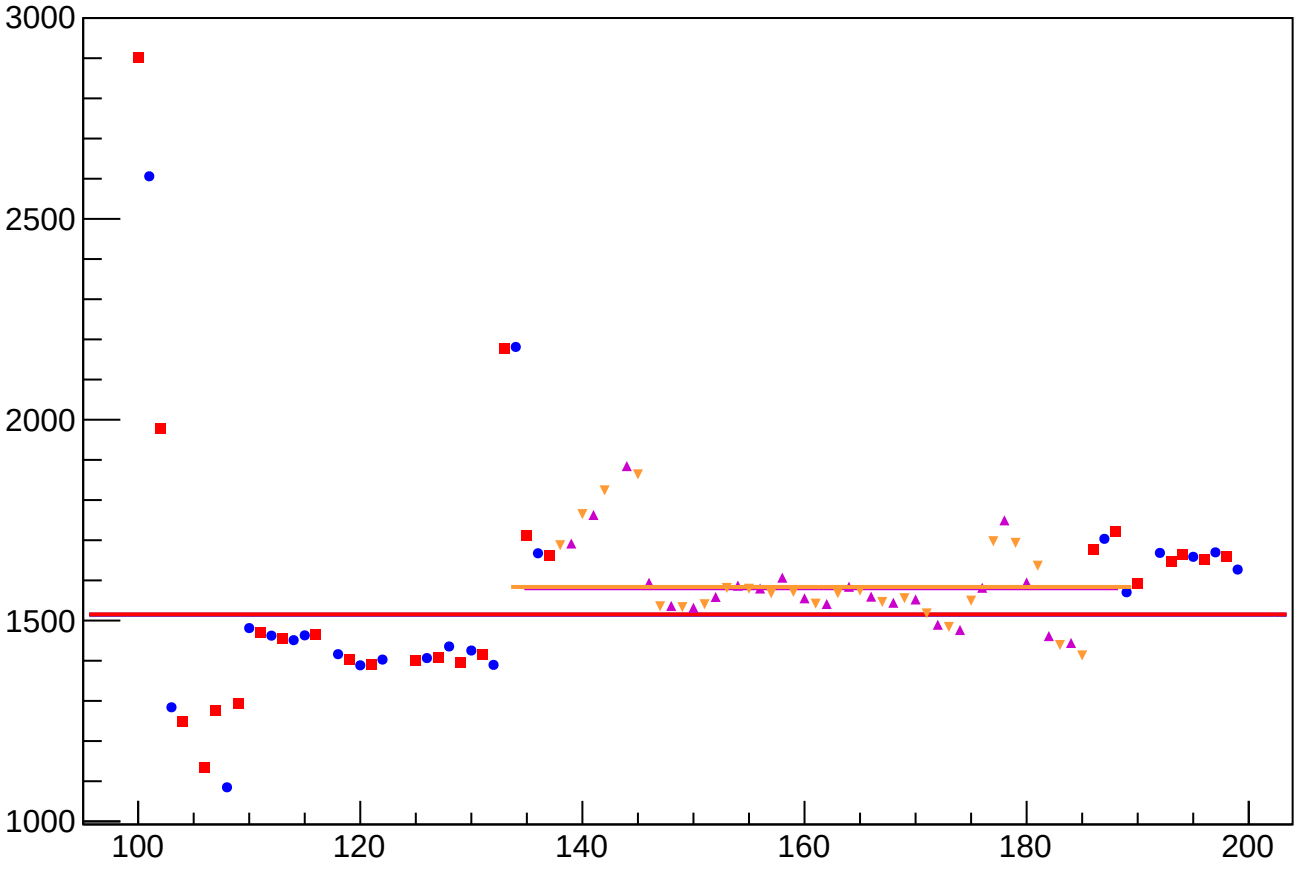
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 288.579+/-285.523 χ^2/NDF: 52.8/45

All: 217.546+/-200.931 χ^2/NDF: 98.6/93

- sign 147.853+/-282.815 χ^2/NDF: 45.7/47

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1514.609+/-0.320 χ^2/NDF: 572930.9/21

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

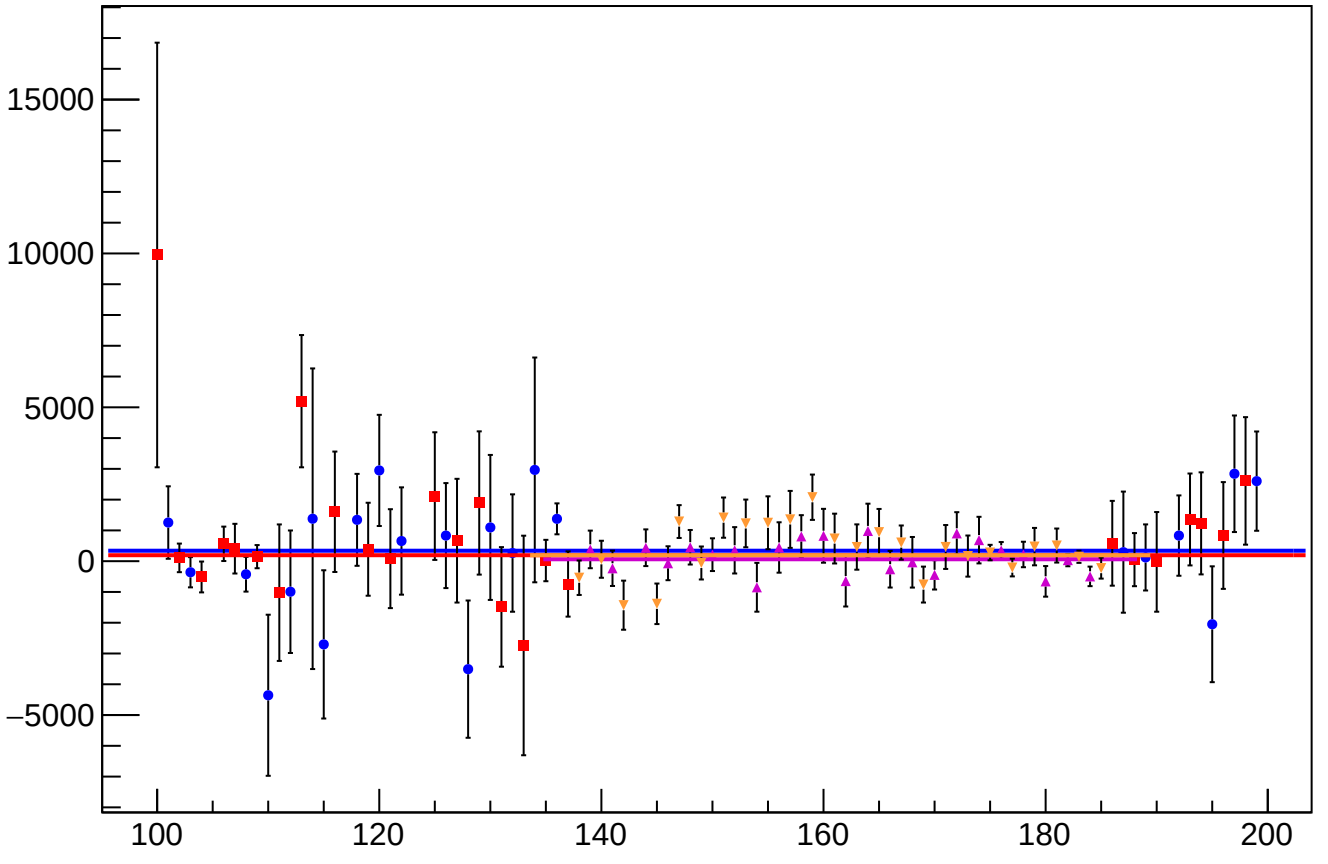
Right Out: 1515.386+/-0.310 χ^2/NDF: 458072.9/24

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1556.102+/-0.202 χ^2/NDF: 734579.9/45

All: 1554.765+/-0.142 χ^2/NDF: 1344196.5/93

- sign 1553.453+/-0.200 χ^2/NDF: 609529.7/47



Right In: 339.903+/-239.803 χ^2/NDF: 25.8/21

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: 194.016+/-183.564 χ^2/NDF: 17.1/24

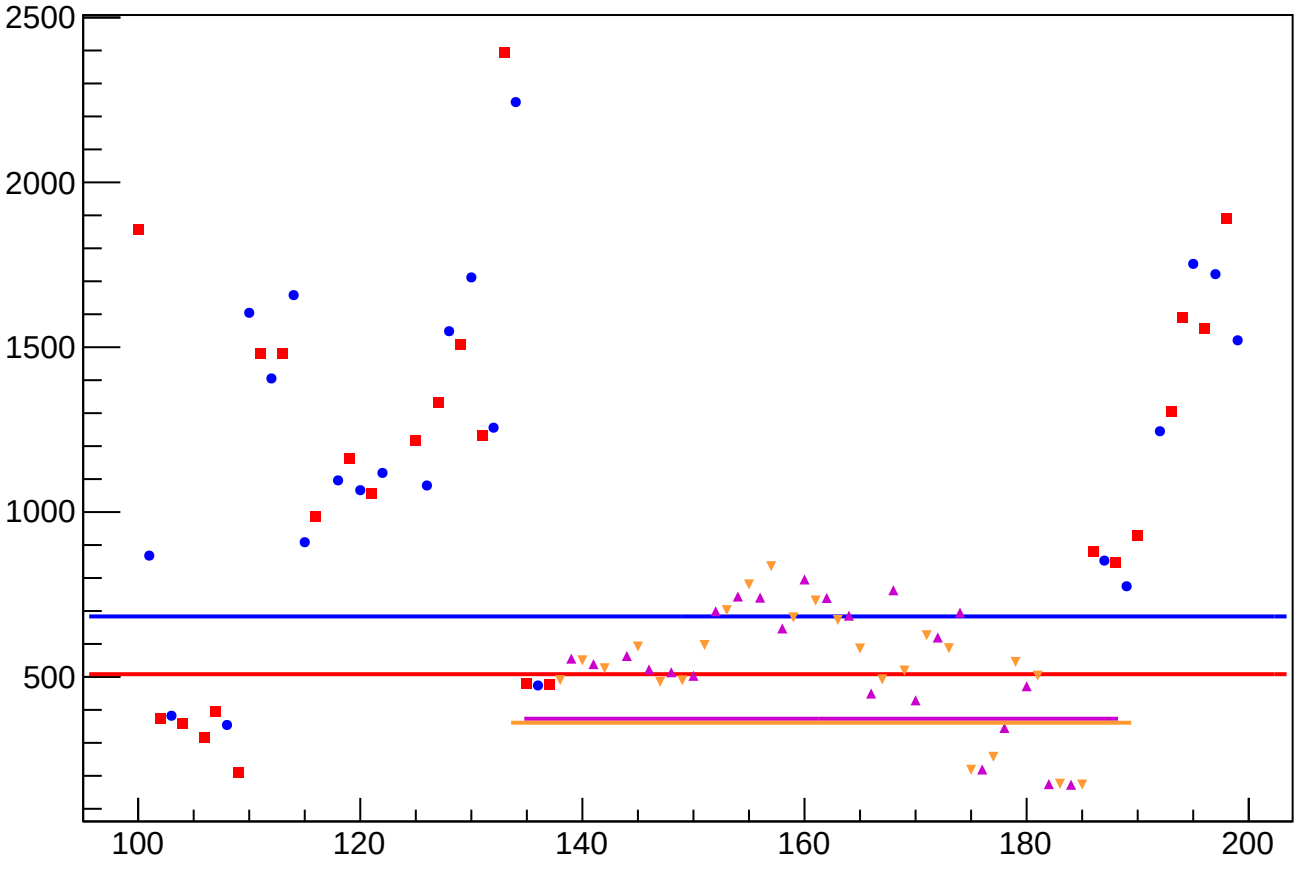
Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 213.517+/-89.038 χ^2/NDF: 66.2/45

All: 151.898+/-62.453 χ^2/NDF: 101.7/93

- sign 92.222+/-87.623 χ^2/NDF: 34.6/47

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 683.462+/-0.170 χ^2/NDF: 6324034.0/21

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

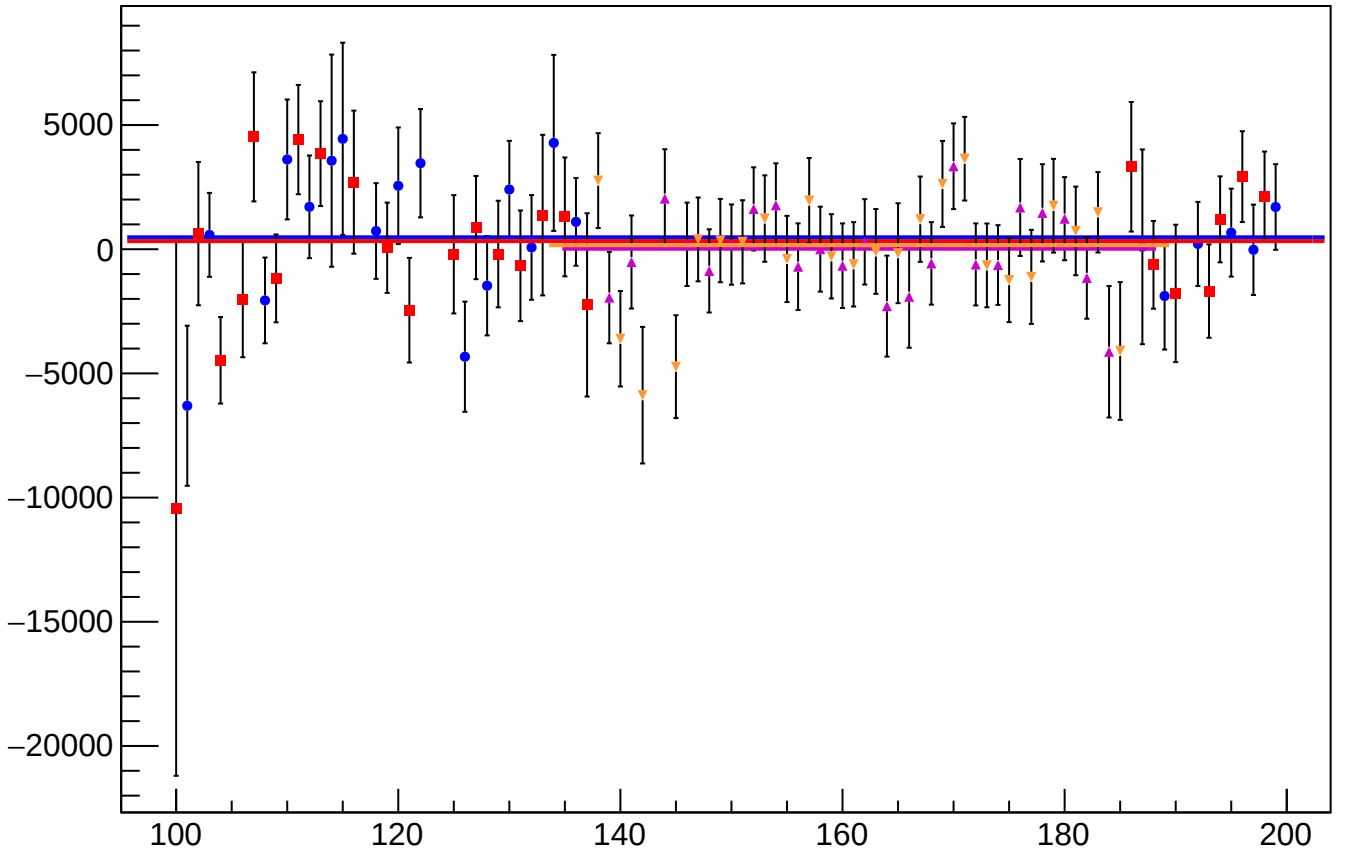
Right Out: 508.265+/-0.130 χ^2/NDF: 8867942.7/24

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 405.541+/-0.063 χ^2/NDF: 17623058.6/45

All: 404.722+/-0.044 χ^2/NDF: 35535499.6/93

- sign 403.929+/-0.062 χ^2/NDF: 17912108.1/47



Right In: 479.694+/-451.899 χ^2/NDF: 22.6/21

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 327.685+/-438.985 χ^2/NDF: 29.4/24

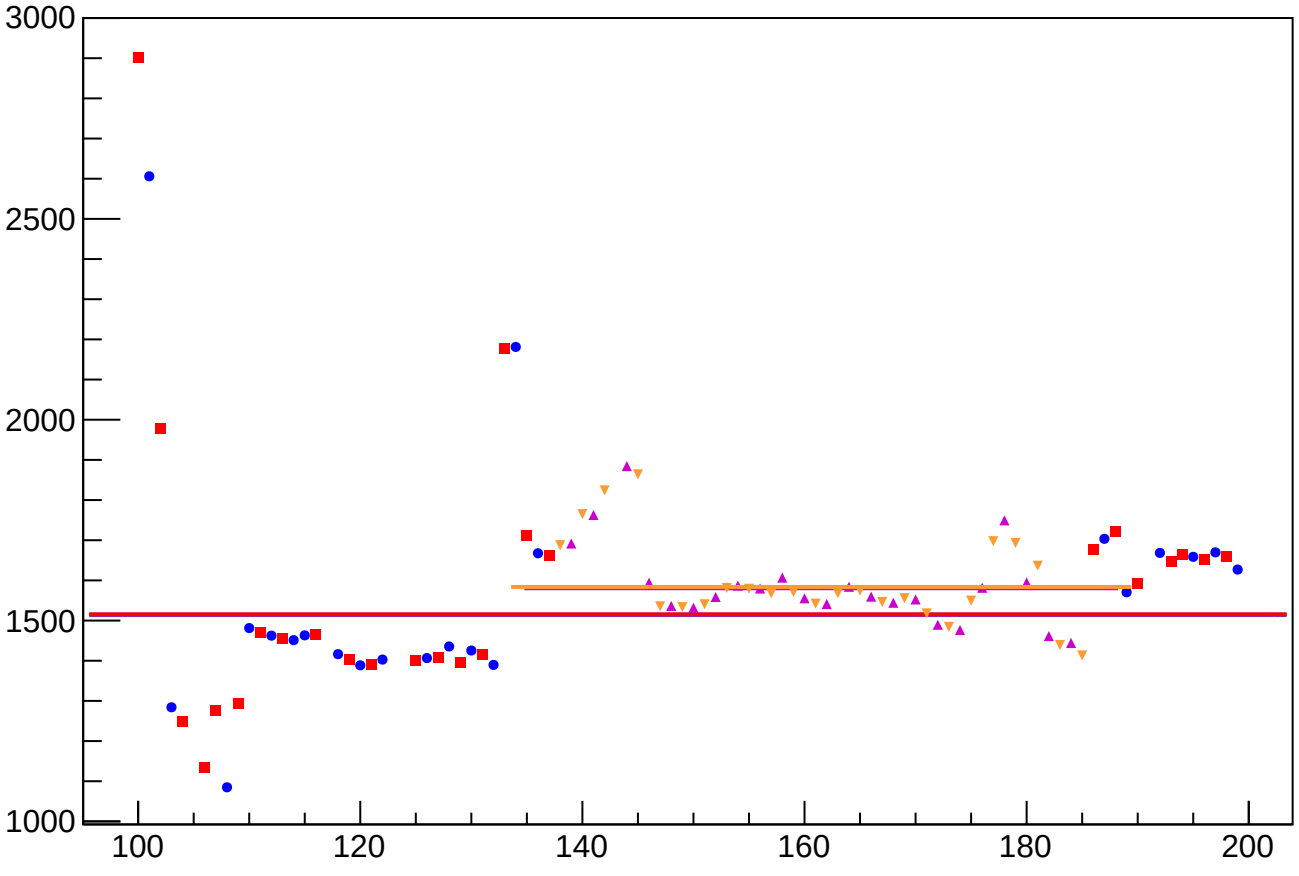
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 288.578+/-285.523 χ^2/NDF: 52.8/45

All: 217.545+/-200.931 χ^2/NDF: 98.6/93

- sign 147.852+/-282.815 χ^2/NDF: 45.7/47

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1514.609+/-0.320 χ^2/NDF: 572930.4/21

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

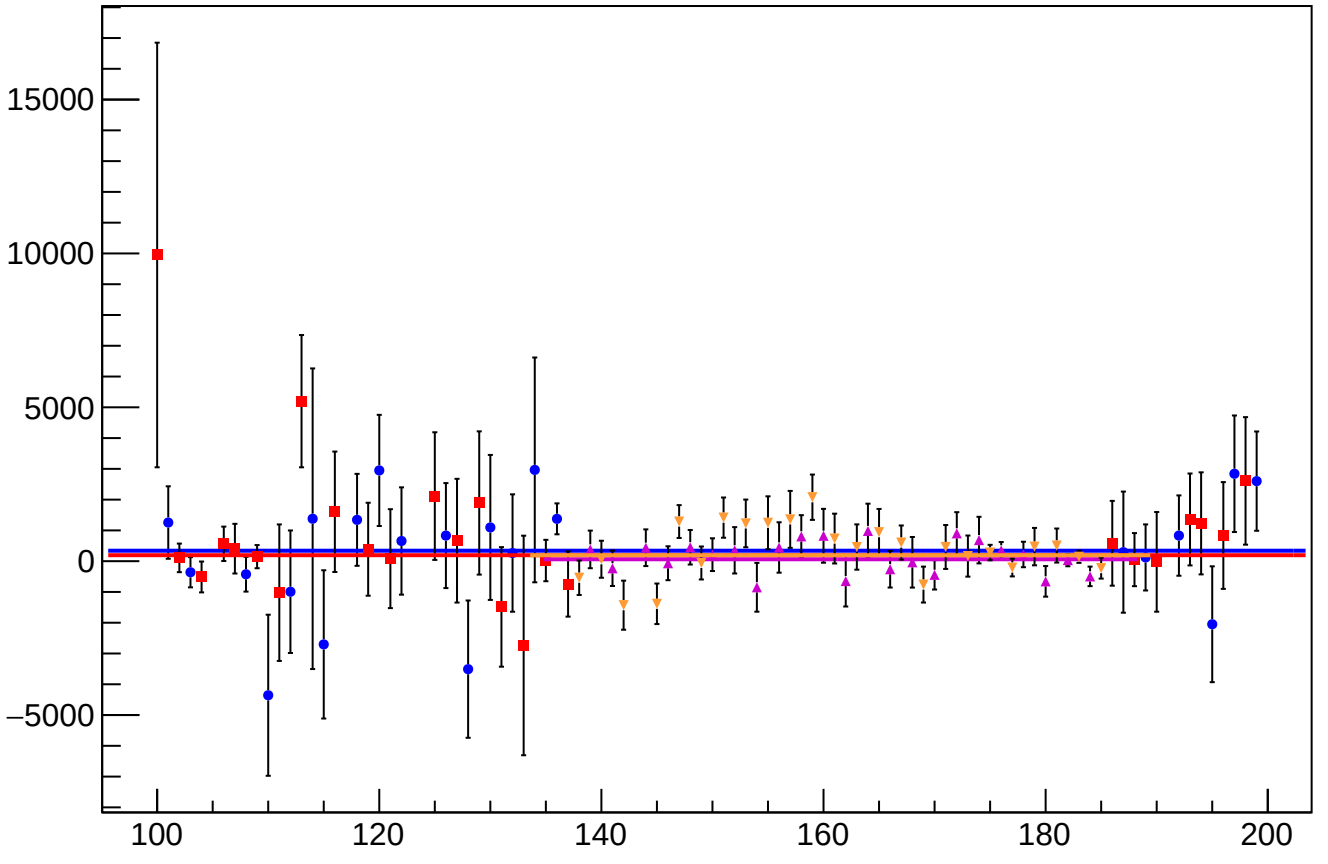
Right Out: 1515.386+/-0.310 χ^2/NDF: 458072.9/24

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1556.102+/-0.202 χ^2/NDF: 734579.4/45

All: 1554.765+/-0.142 χ^2/NDF: 1344195.7/93

- sign 1553.453+/-0.200 χ^2/NDF: 609529.5/47



Right In: 339.896+/-239.803 χ^2/NDF: 25.8/21

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

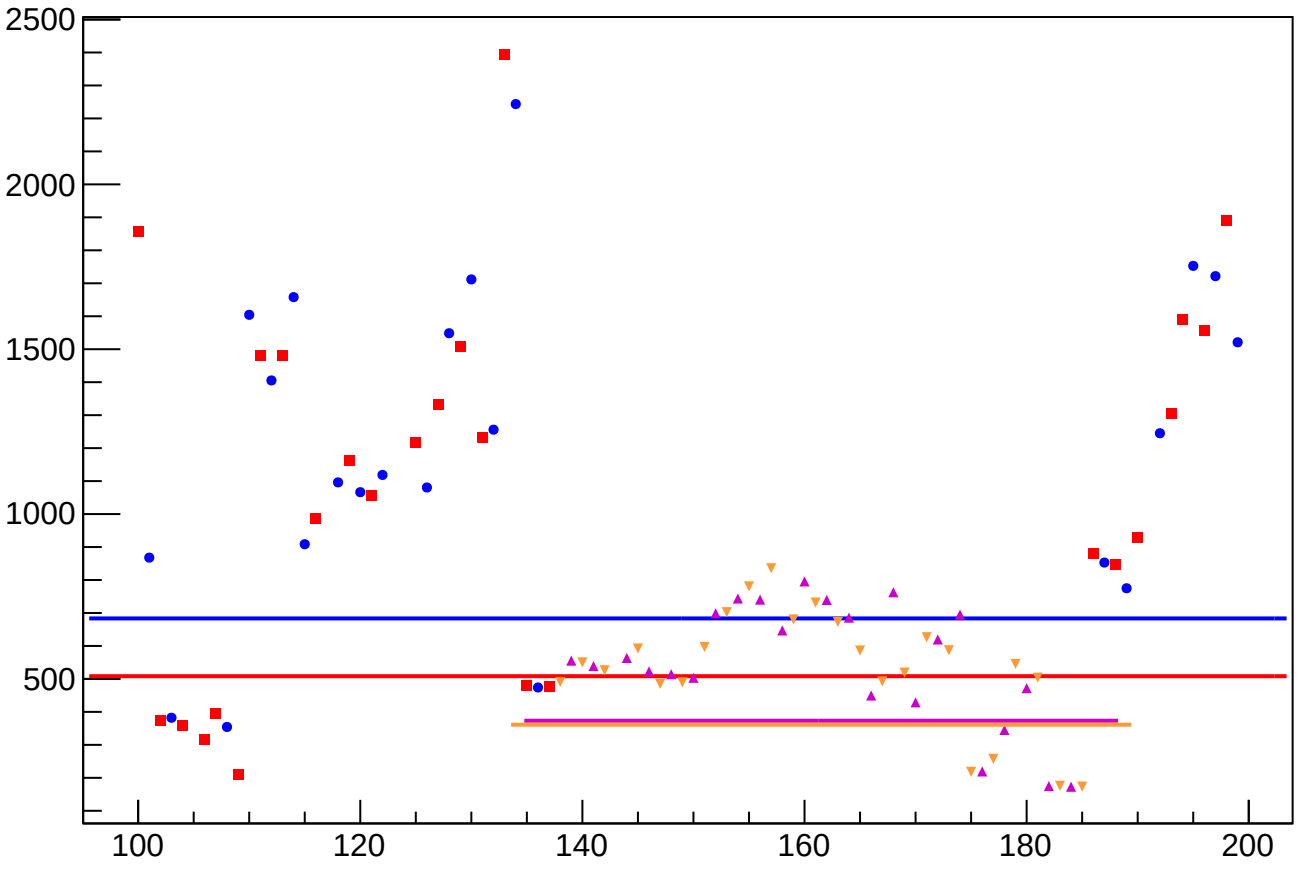
Right Out: 194.013+/-183.565 χ^2/NDF: 17.1/24

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 213.521+/-89.039 χ^2/NDF: 66.2/45

All: 151.898+/-62.454 χ^2/NDF: 101.7/93

- sign 92.220+/-87.624 χ^2/NDF: 34.6/47



Right In: 683.460+/-0.170 χ^2/NDF: 6324072.8/21

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 508.272+/-0.130 χ^2/NDF: 8867821.1/24

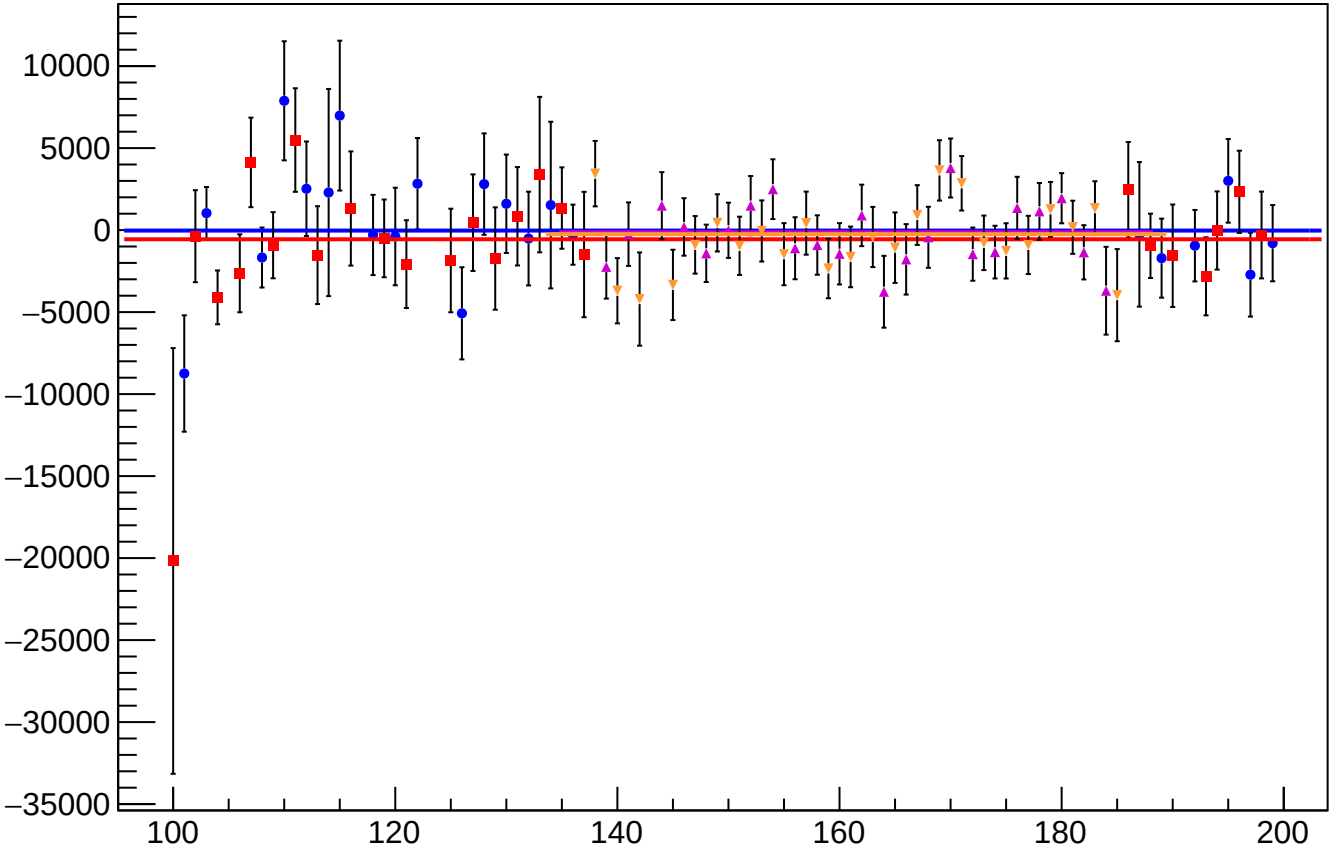
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 405.545+/-0.063 χ^2/NDF: 17622841.2/45

All: 404.727+/-0.044 χ^2/NDF: 35534922.6/93

- sign 403.935+/-0.062 χ^2/NDF: 17911749.1/47

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -28.038+/-560.869 χ^2/NDF: 24.2/21

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -559.309+/-533.483 χ^2/NDF: 20.6/24

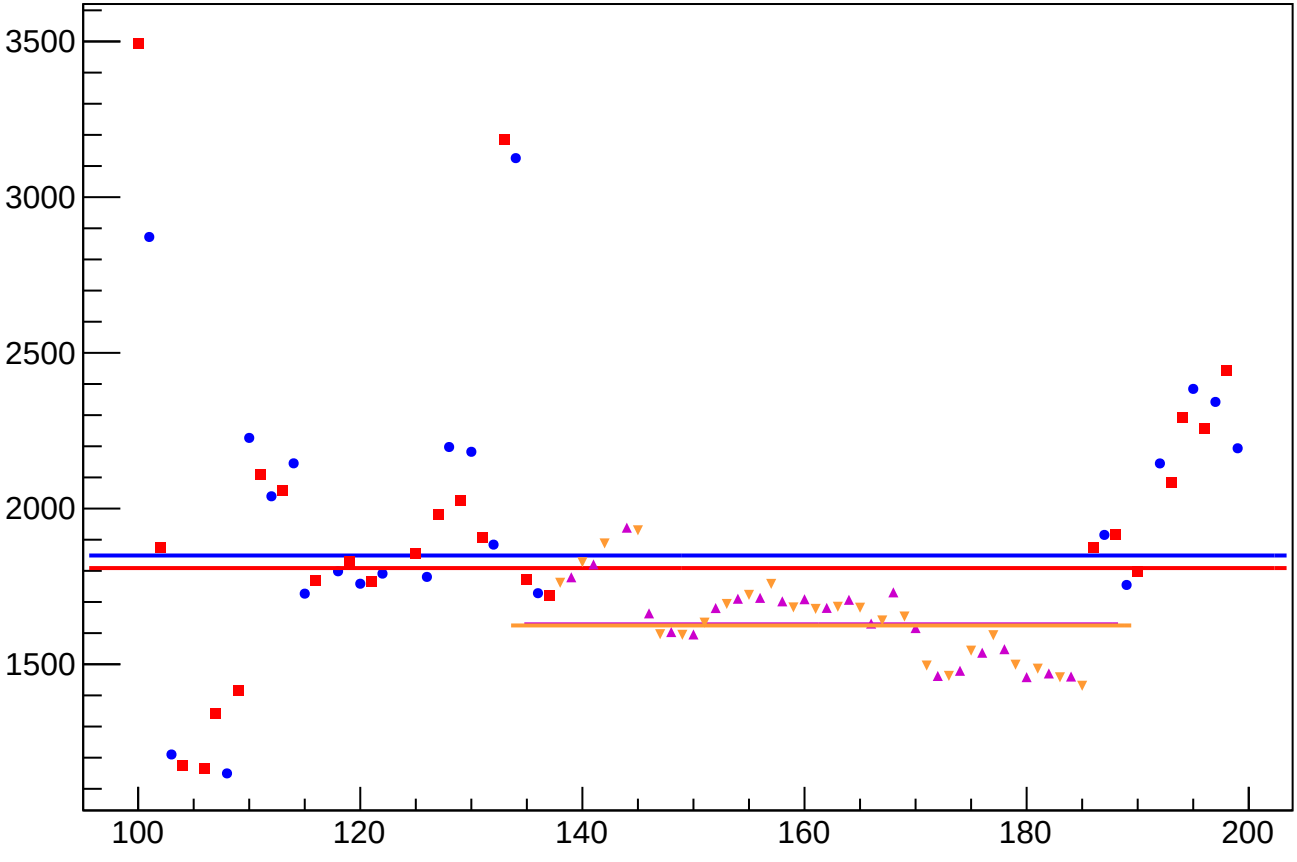
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -178.628+/-313.585 χ^2/NDF: 50.3/45

All: -226.116+/-220.536 χ^2/NDF: 92.6/93

- sign -272.589+/-310.213 χ^2/NDF: 42.2/47

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1849.261+/-0.397 χ^2/NDF: 1253857.6/21

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

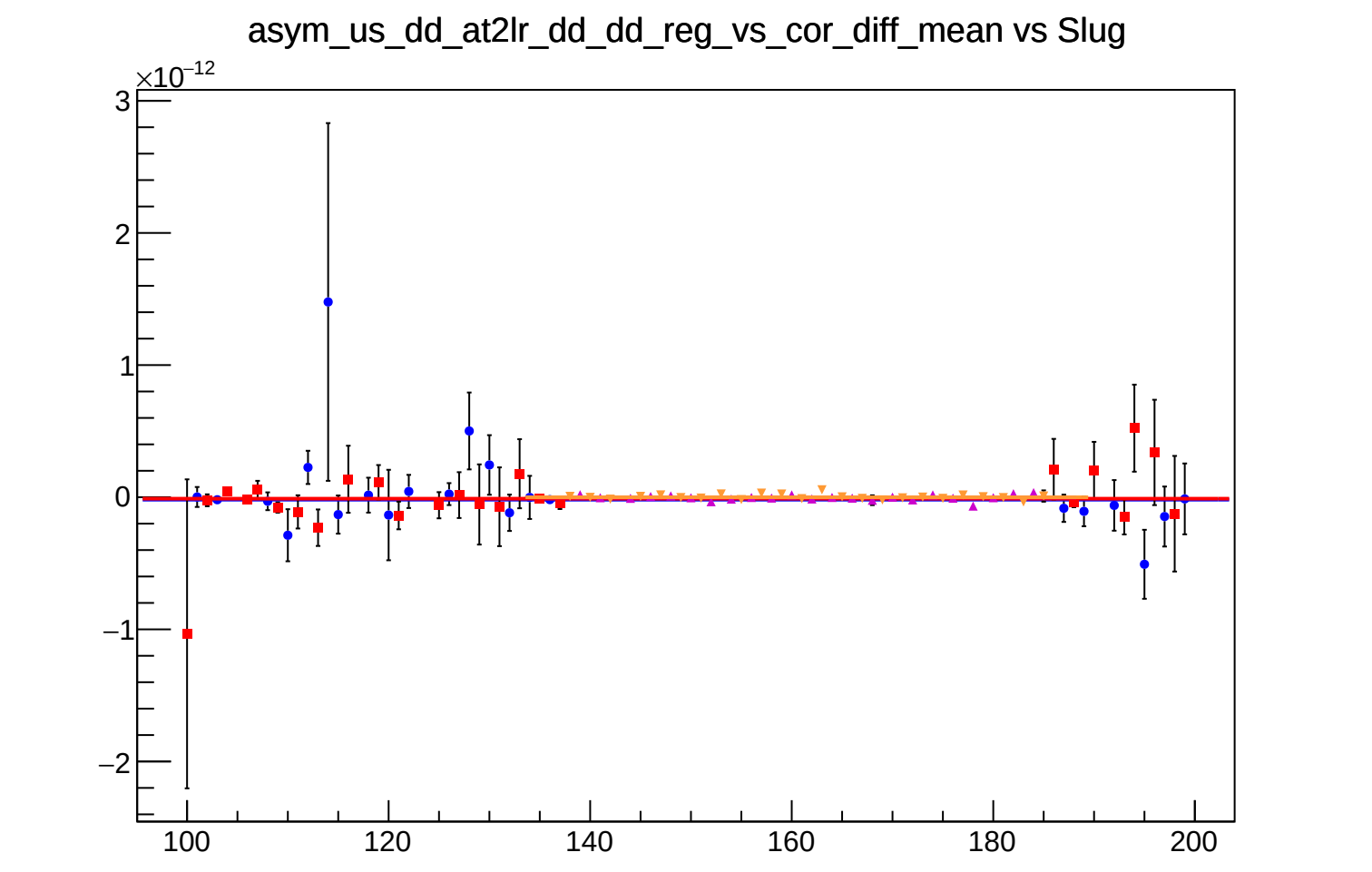
Right Out: 1808.901+/-0.377 χ^2/NDF: 1131268.1/24

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1694.838+/-0.222 χ^2/NDF: 1681670.0/45

All: 1692.046+/-0.156 χ^2/NDF: 3169972.2/93

- sign 1689.314+/-0.219 χ^2/NDF: 1487988.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

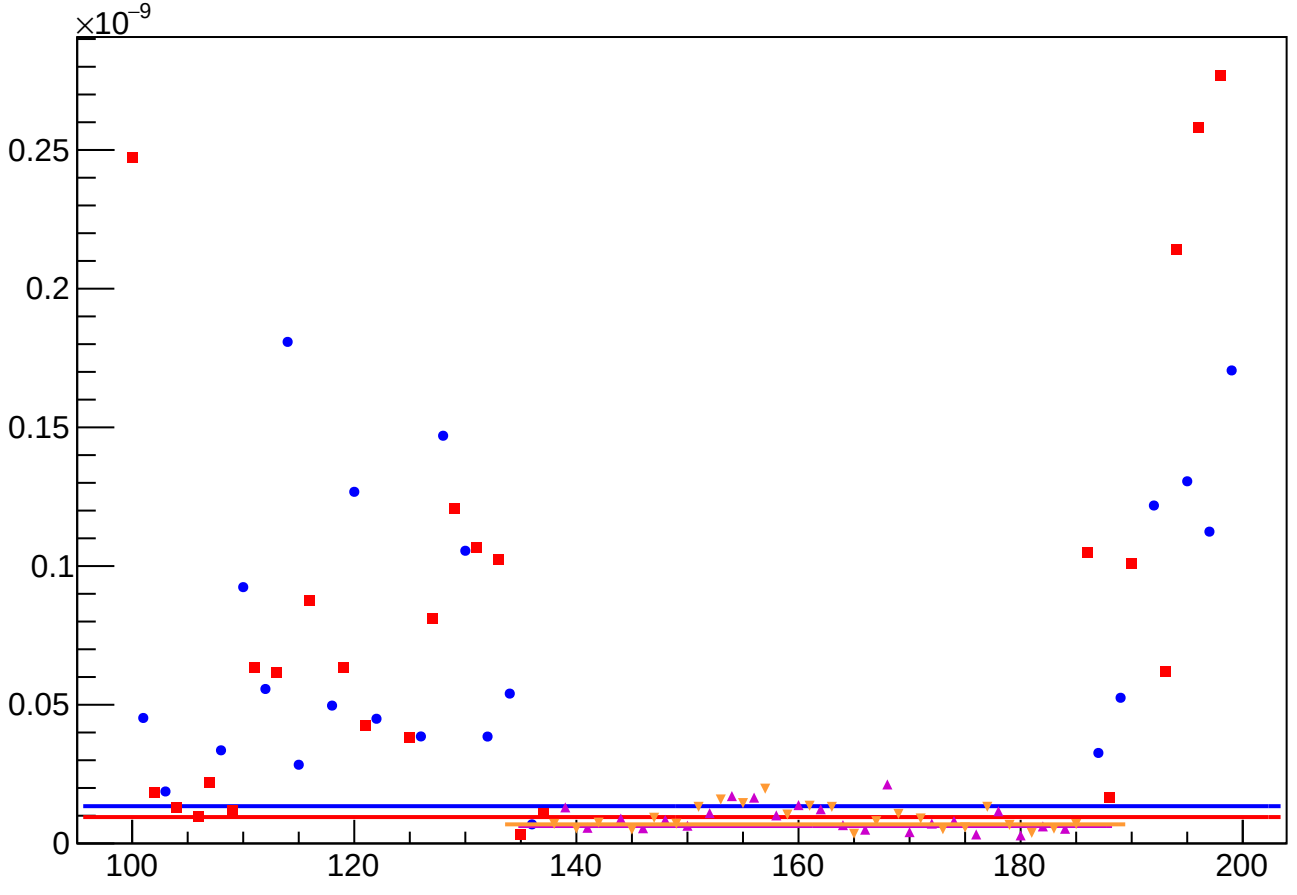
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/24

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/45

All: -0.000+/-0.000 χ^2/NDF: 92.6/93

- sign -0.000+/-0.000 χ^2/NDF: 48.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 5882978.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

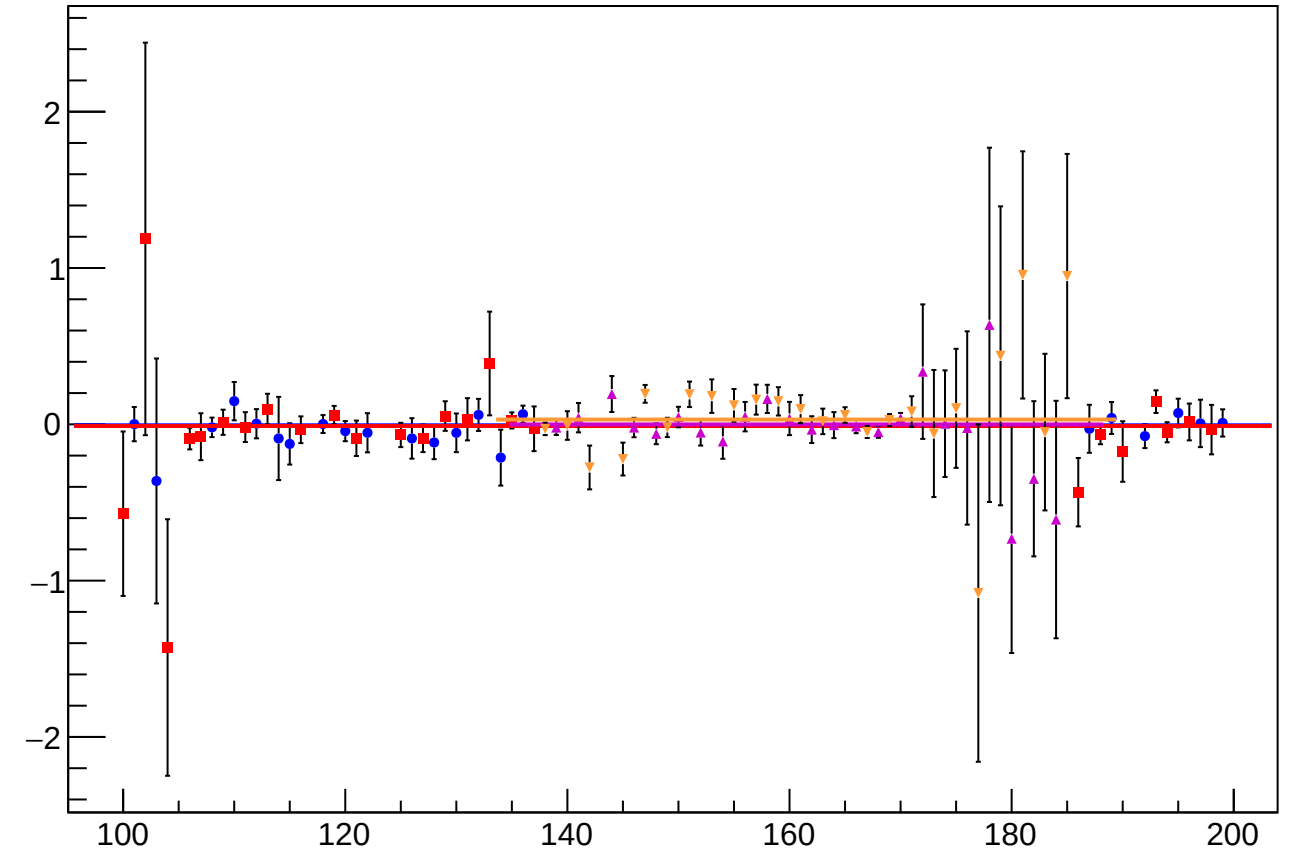
Right Out: 0.000+/-0.000 χ^2/NDF: 6937403.1/24

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8913016.4/45

All: 0.000+/-0.000 χ^2/NDF: 19088422.6/93

- sign 0.000+/-0.000 χ^2/NDF: 10090640.9/47



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

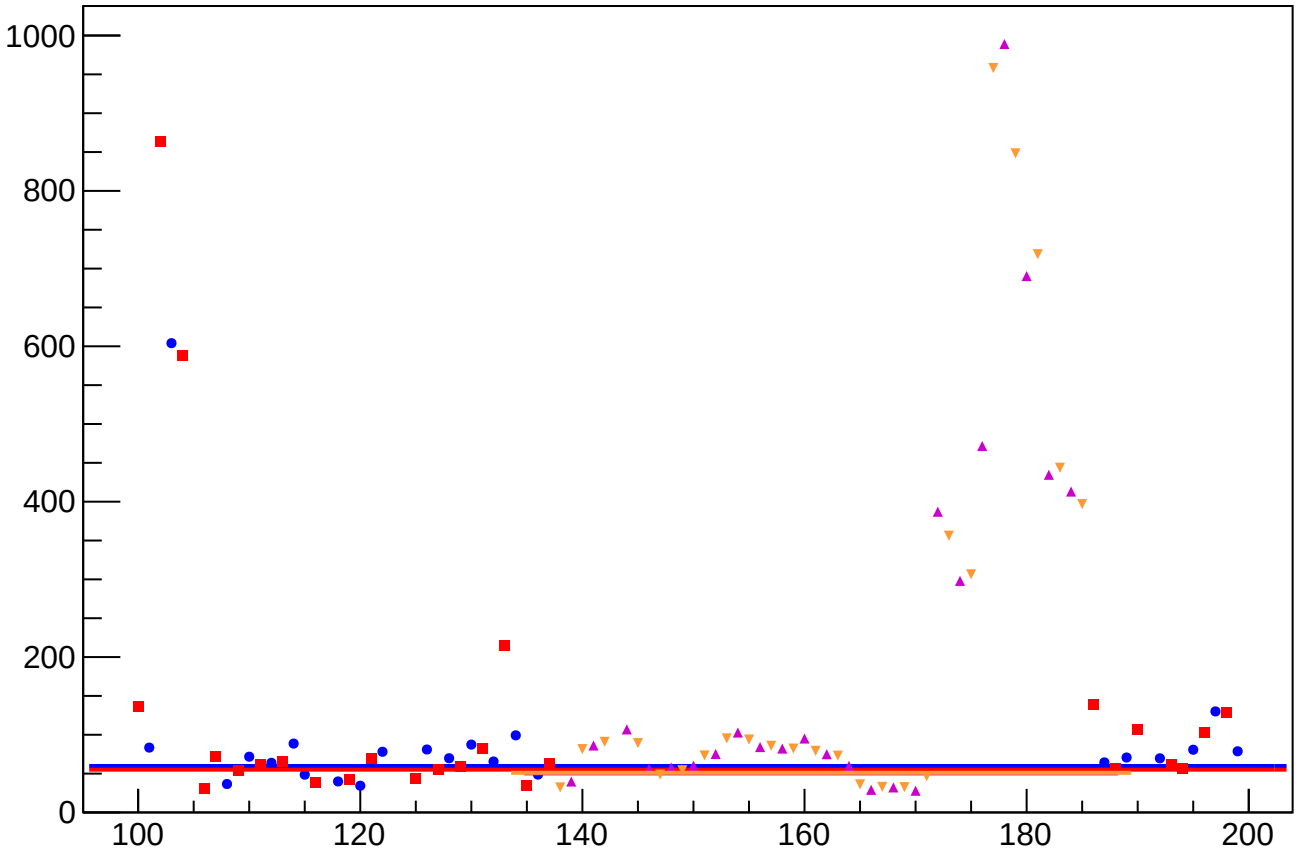
Right Out: -0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/45

All: 0.006+/-0.009 χ^2/NDF: 95.7/93

- sign -0.005+/-0.012 χ^2/NDF: 40.3/47



Right In: 59.782+/-0.014 χ^2/NDF: 3029030.6/21

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

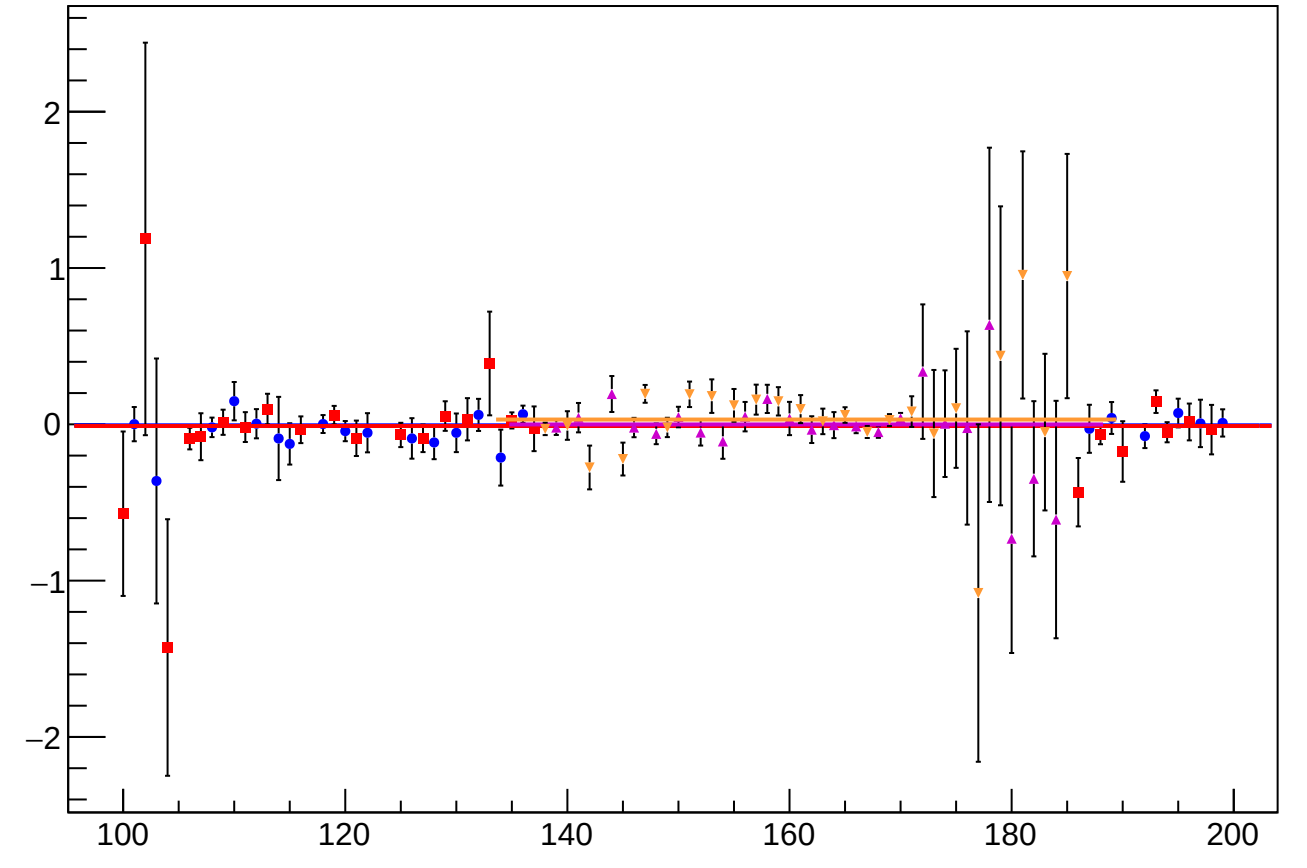
Right Out: 55.066+/-0.013 χ^2/NDF: 4366014.3/24

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 54.318+/-0.009 χ^2/NDF: 15001000.3/45

All: 53.212+/-0.006 χ^2/NDF: 31674215.9/93

- sign 52.187+/-0.008 χ^2/NDF: 16641846.8/47



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

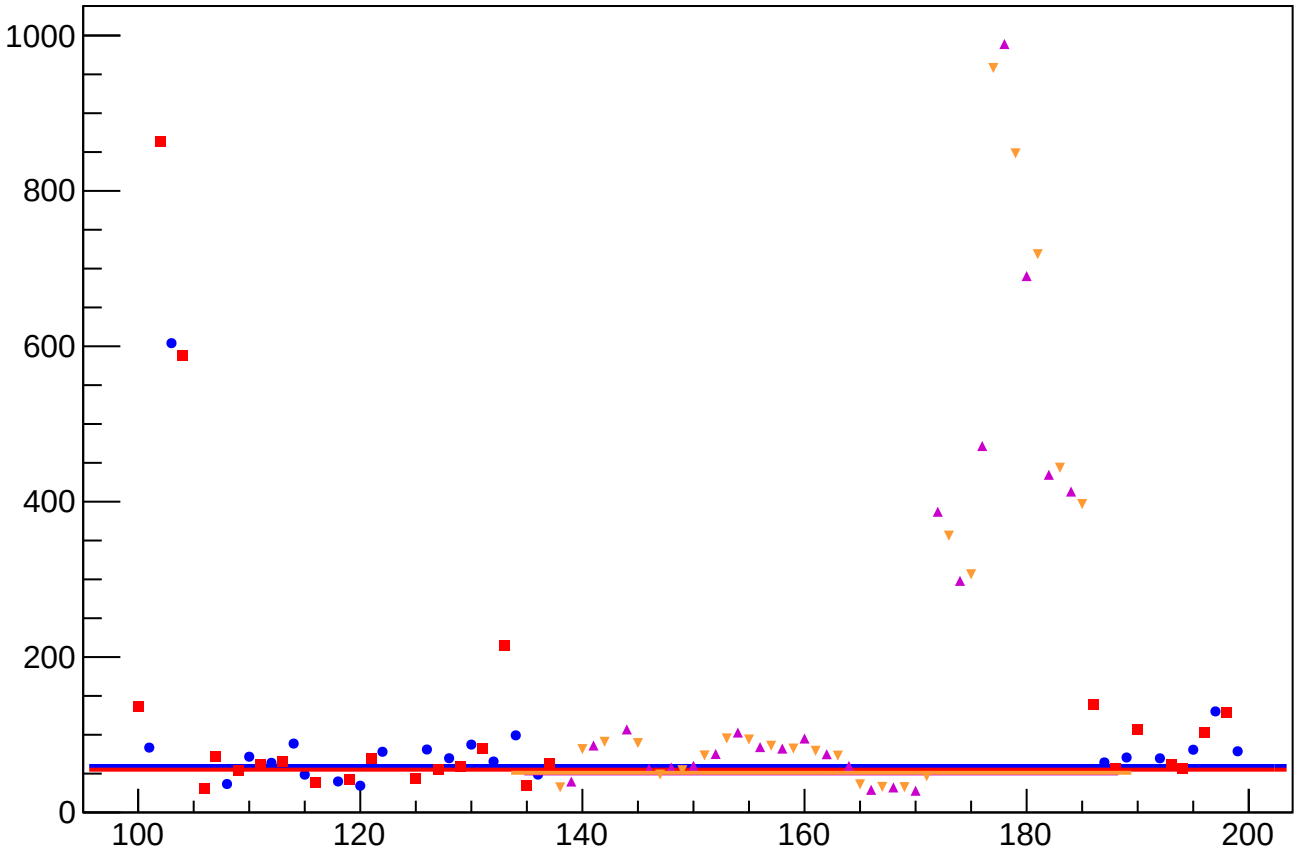
Right Out: -0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/45

All: 0.006+/-0.009 χ^2/NDF: 95.7/93

- sign -0.005+/-0.012 χ^2/NDF: 40.3/47



Right In: 59.782+/-0.014 χ^2/NDF: 3029030.6/21

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

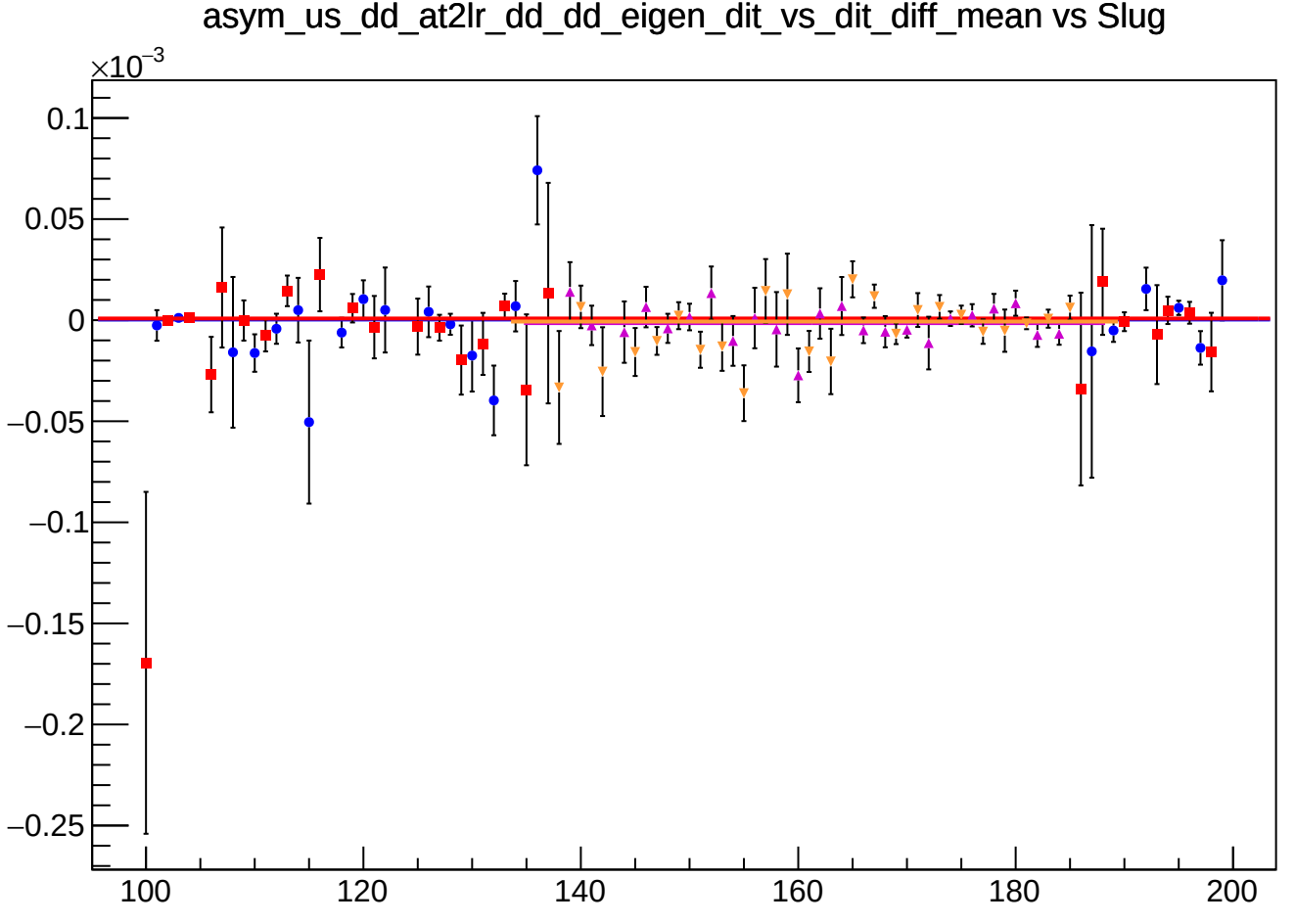
Right Out: 55.066+/-0.013 χ^2/NDF: 4366014.3/24

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 54.318+/-0.009 χ^2/NDF: 15001000.3/45

All: 53.212+/-0.006 χ^2/NDF: 31674215.9/93

- sign 52.187+/-0.008 χ^2/NDF: 16641846.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 31.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

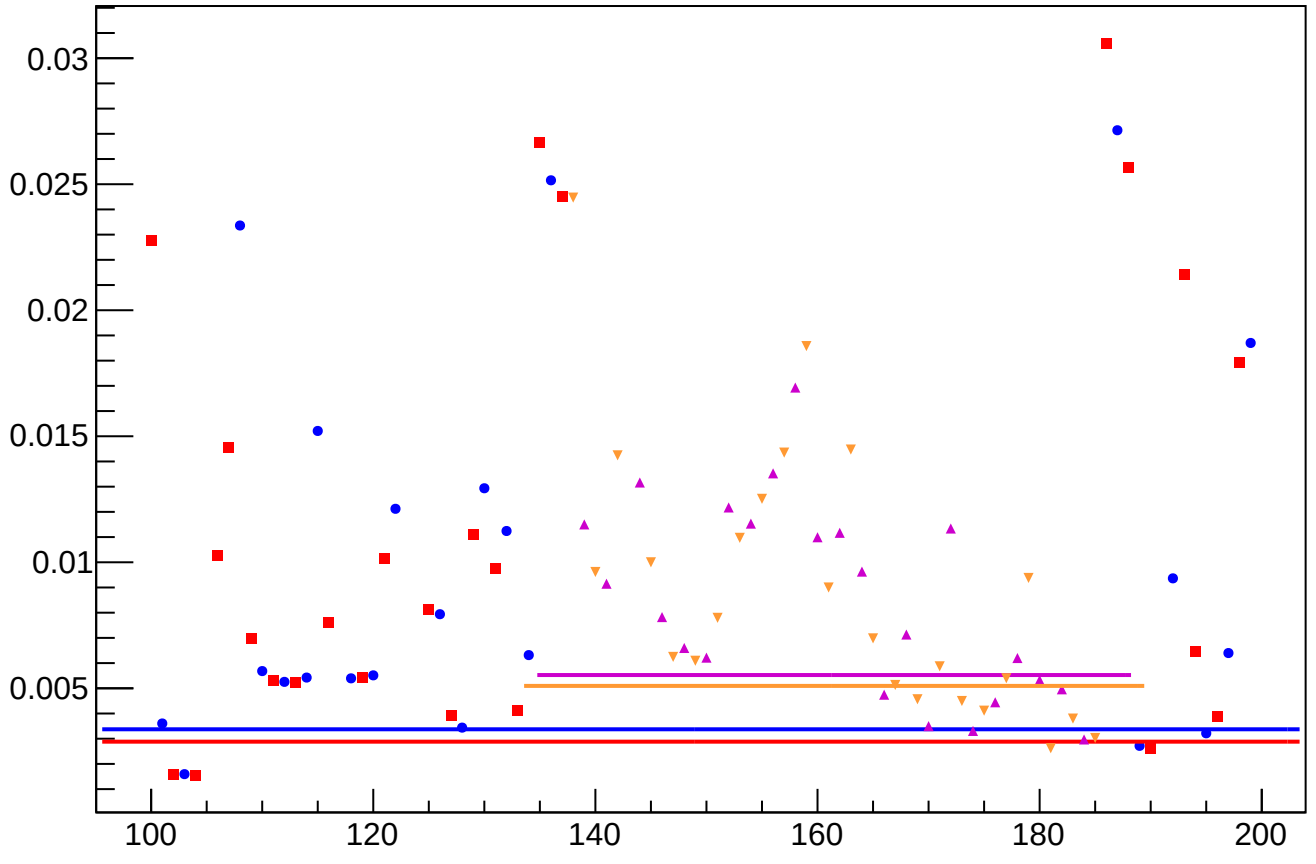
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/24

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.6/45

All: -0.000+/-0.000 χ^2/NDF: 108.9/93

- sign -0.000+/-0.000 χ^2/NDF: 38.3/47



Right In: 0.003+/-0.000 χ^2/NDF: 8273375.6/21

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

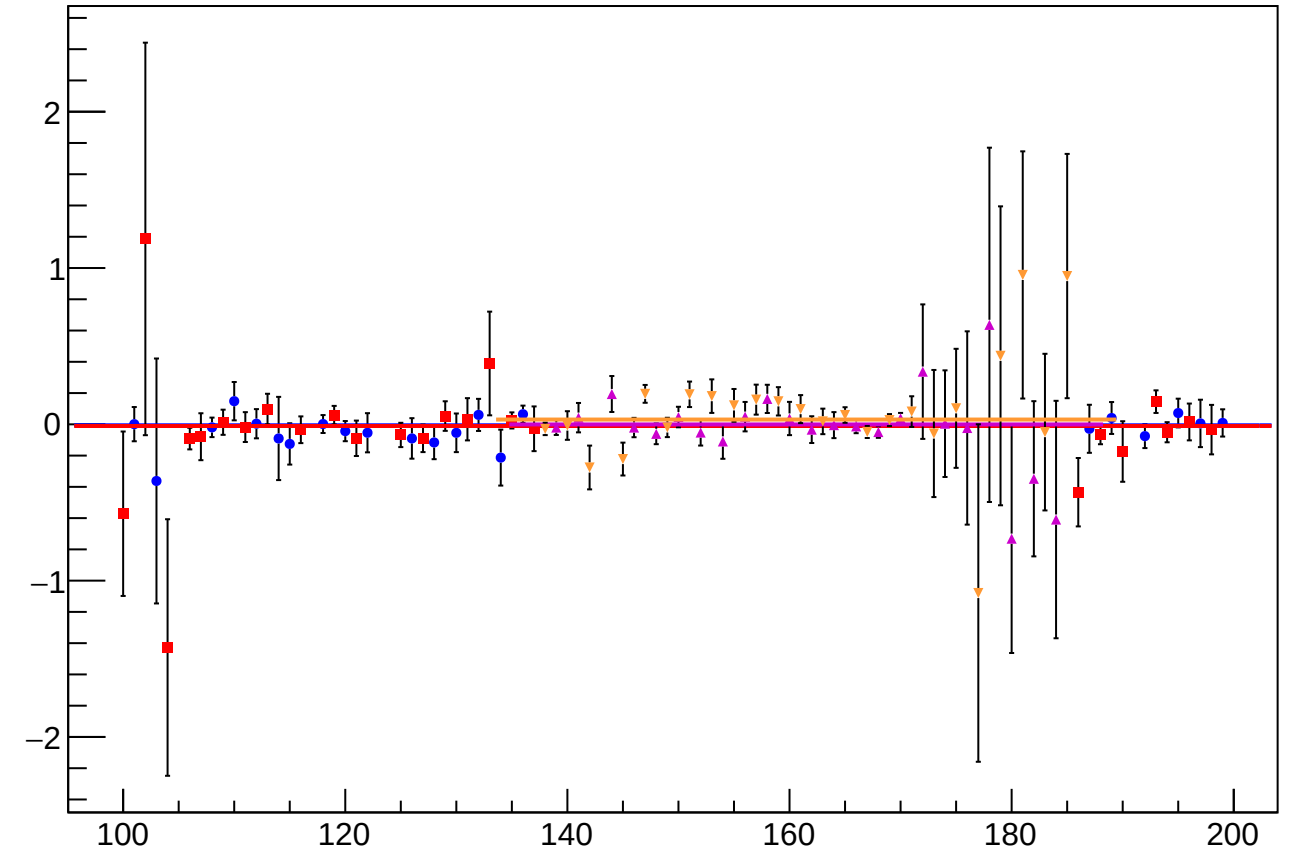
Right Out: 0.003+/-0.000 χ^2/NDF: 11546355.2/24

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 18186974.9/45

All: 0.004+/-0.000 χ^2/NDF: 40595966.2/93

- sign 0.004+/-0.000 χ^2/NDF: 22269289.9/47



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

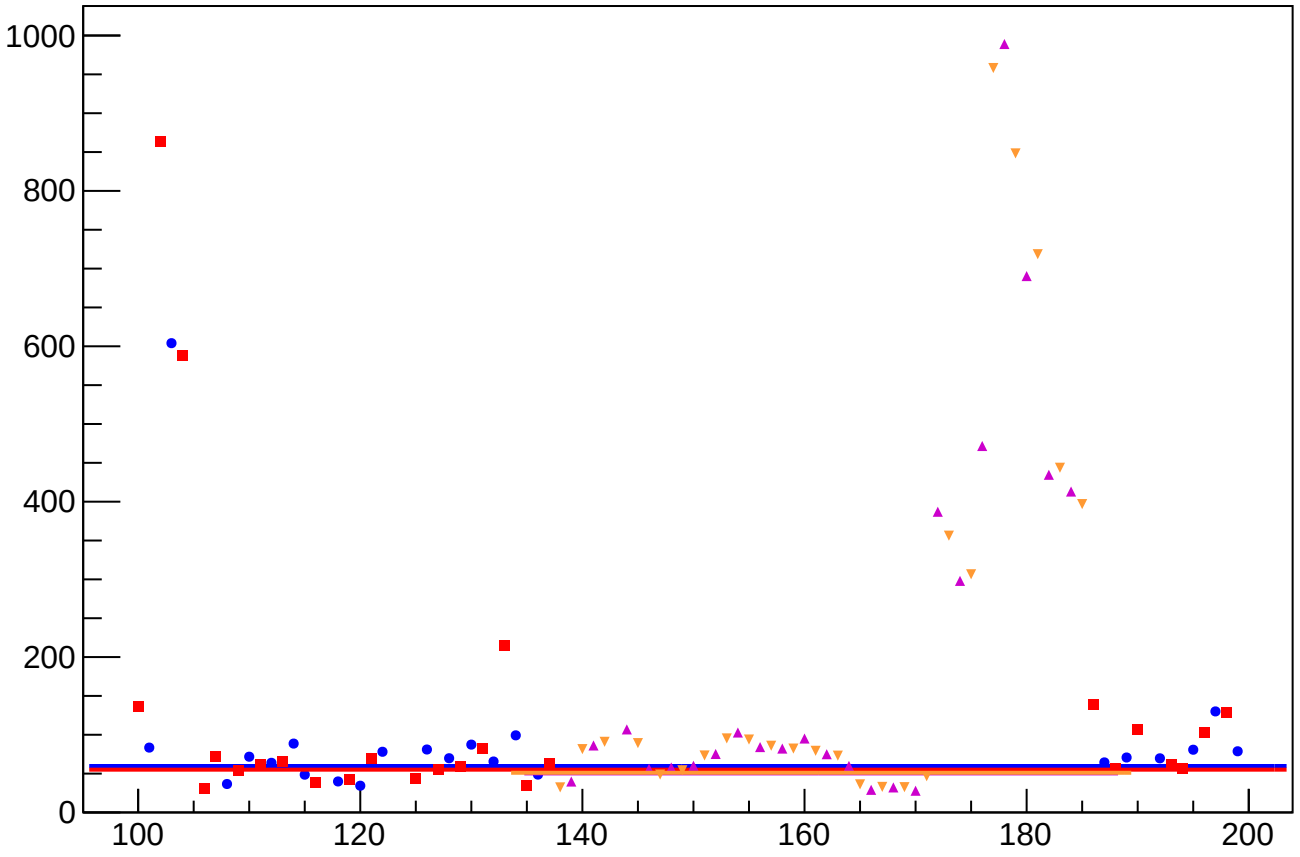
Right Out: -0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/45

All: 0.006+/-0.009 χ^2/NDF: 95.7/93

- sign -0.005+/-0.012 χ^2/NDF: 40.3/47



Right In: 59.785+/-0.014 χ^2/NDF: 3028479.3/21

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

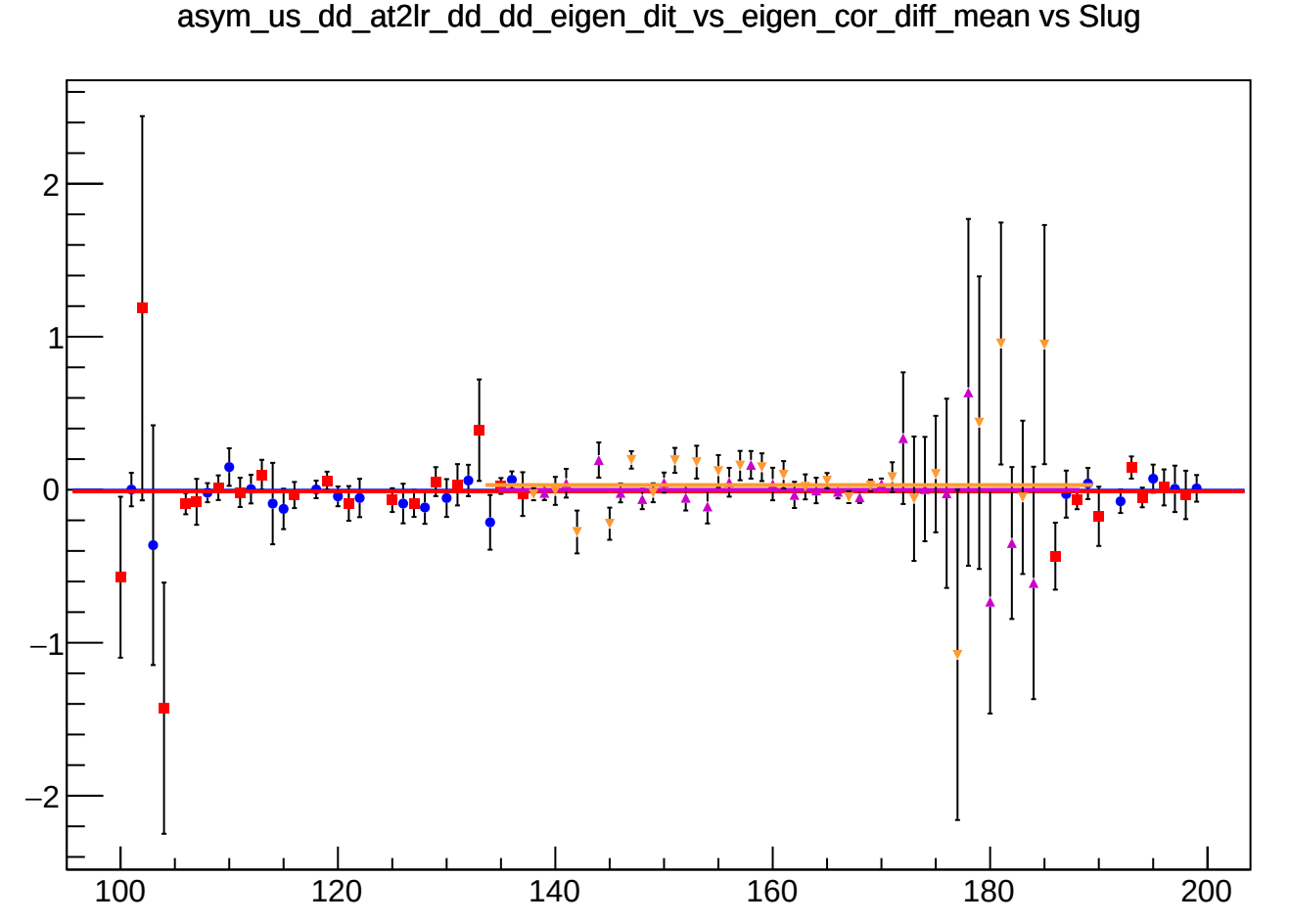
Right Out: 55.068+/-0.013 χ^2/NDF: 4365693.0/24

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 54.321+/-0.009 χ^2/NDF: 14999635.9/45

All: 53.213+/-0.006 χ^2/NDF: 31672587.3/93

- sign 52.188+/-0.008 χ^2/NDF: 16641529.5/47



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

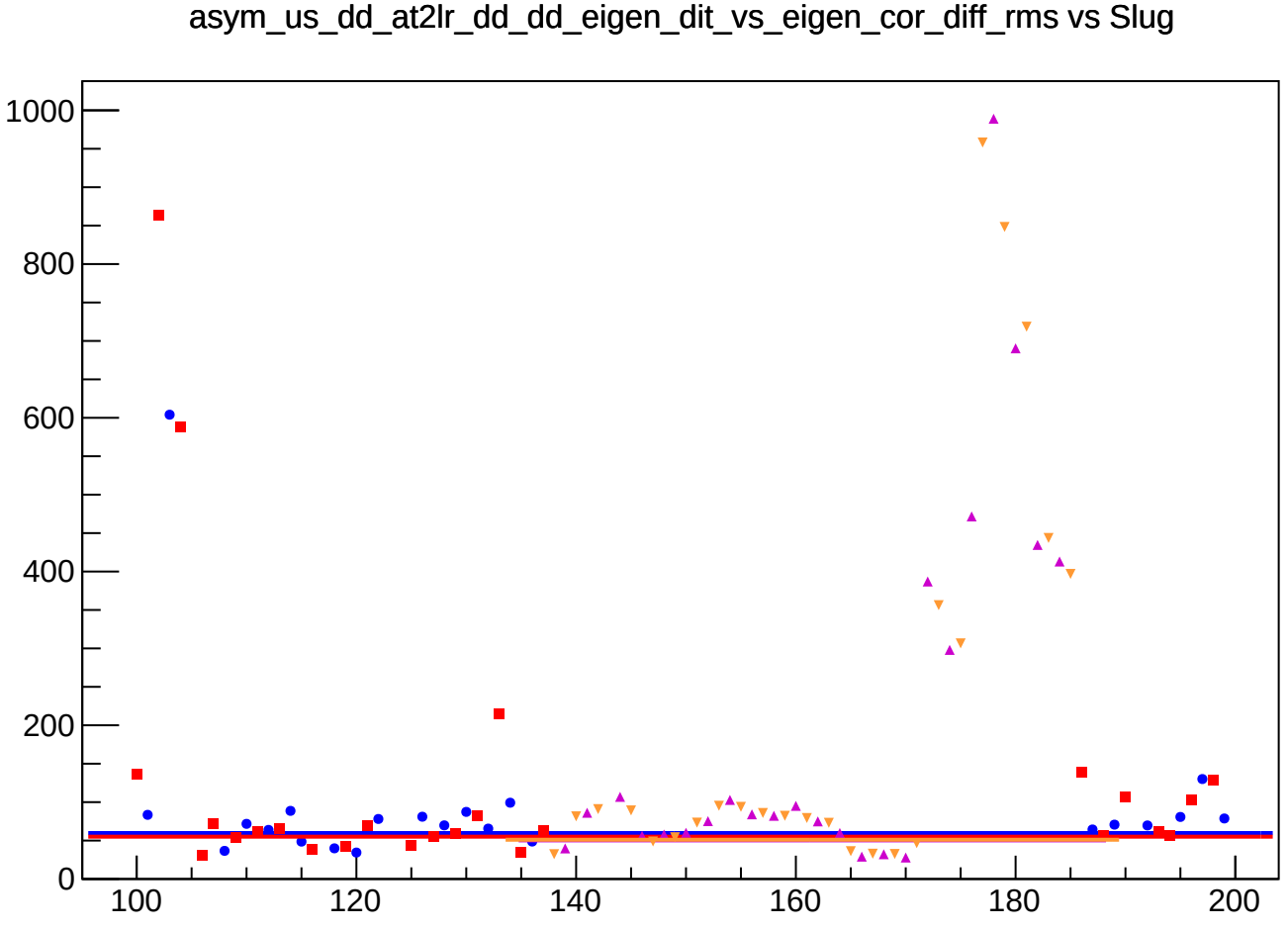
Right Out: -0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/45

All: 0.006+/-0.009 χ^2/NDF: 95.7/93

- sign -0.005+/-0.012 χ^2/NDF: 40.3/47



Right In: 59.785+/-0.014 χ^2/NDF: 3028479.3/21

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

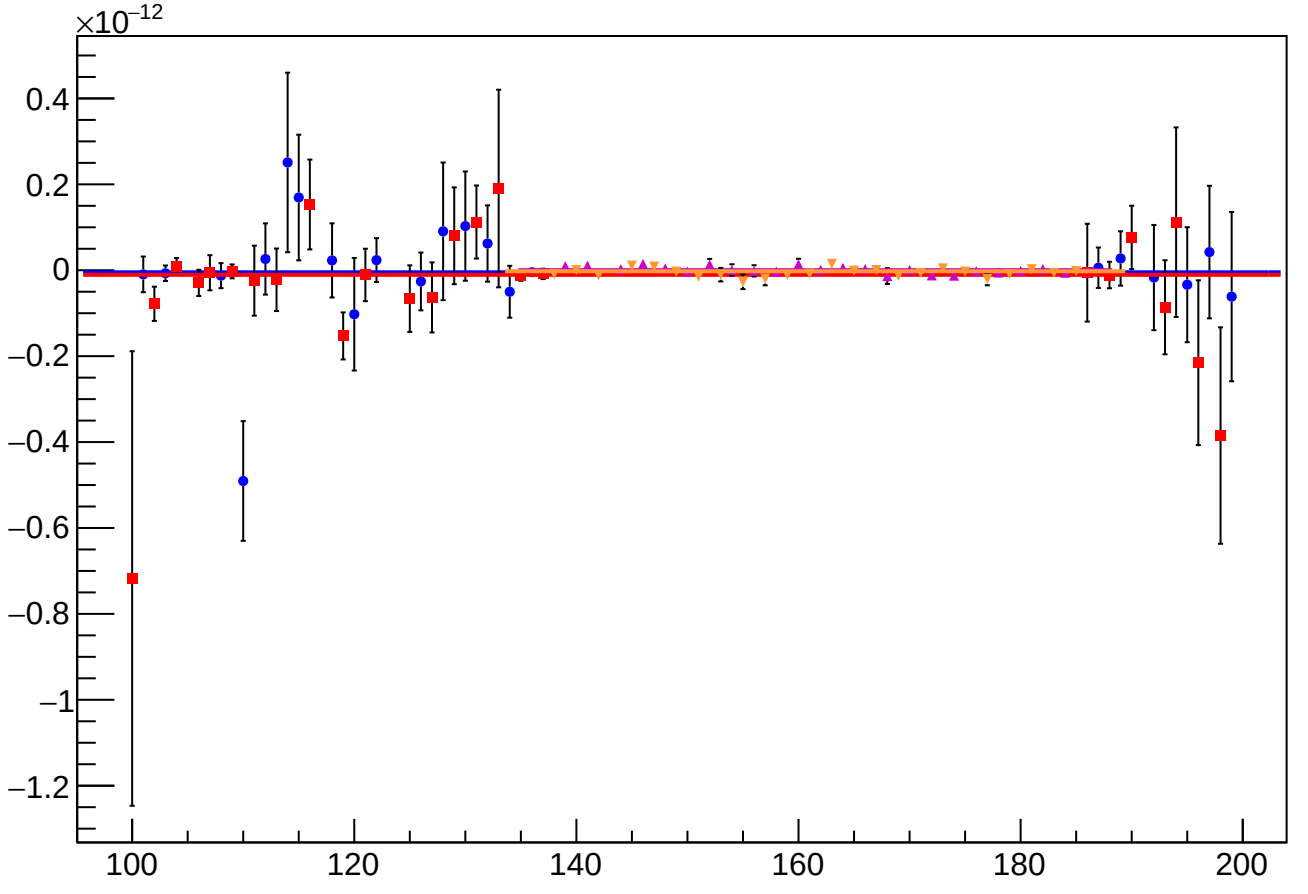
Right Out: 55.068+/-0.013 χ^2/NDF: 4365693.0/24

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 54.321+/-0.009 χ^2/NDF: 14999635.9/45

All: 53.213+/-0.006 χ^2/NDF: 31672587.3/93

\- sign 52.188+/-0.008 χ^2/NDF: 16641529.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

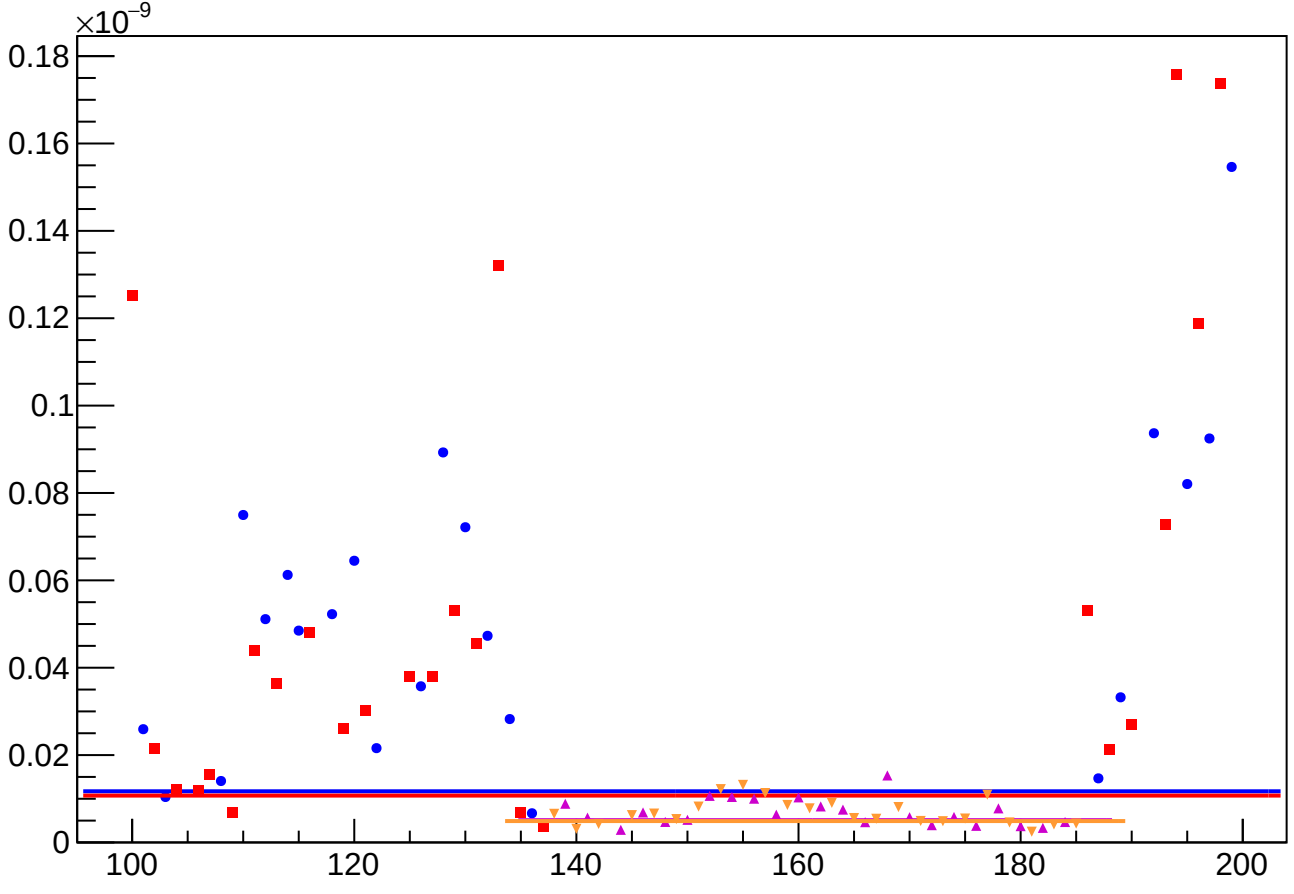
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/24

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/45

All: -0.000+/-0.000 χ^2/NDF: 89.0/93

- sign -0.000+/-0.000 χ^2/NDF: 46.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 7894856.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7948009.9/24

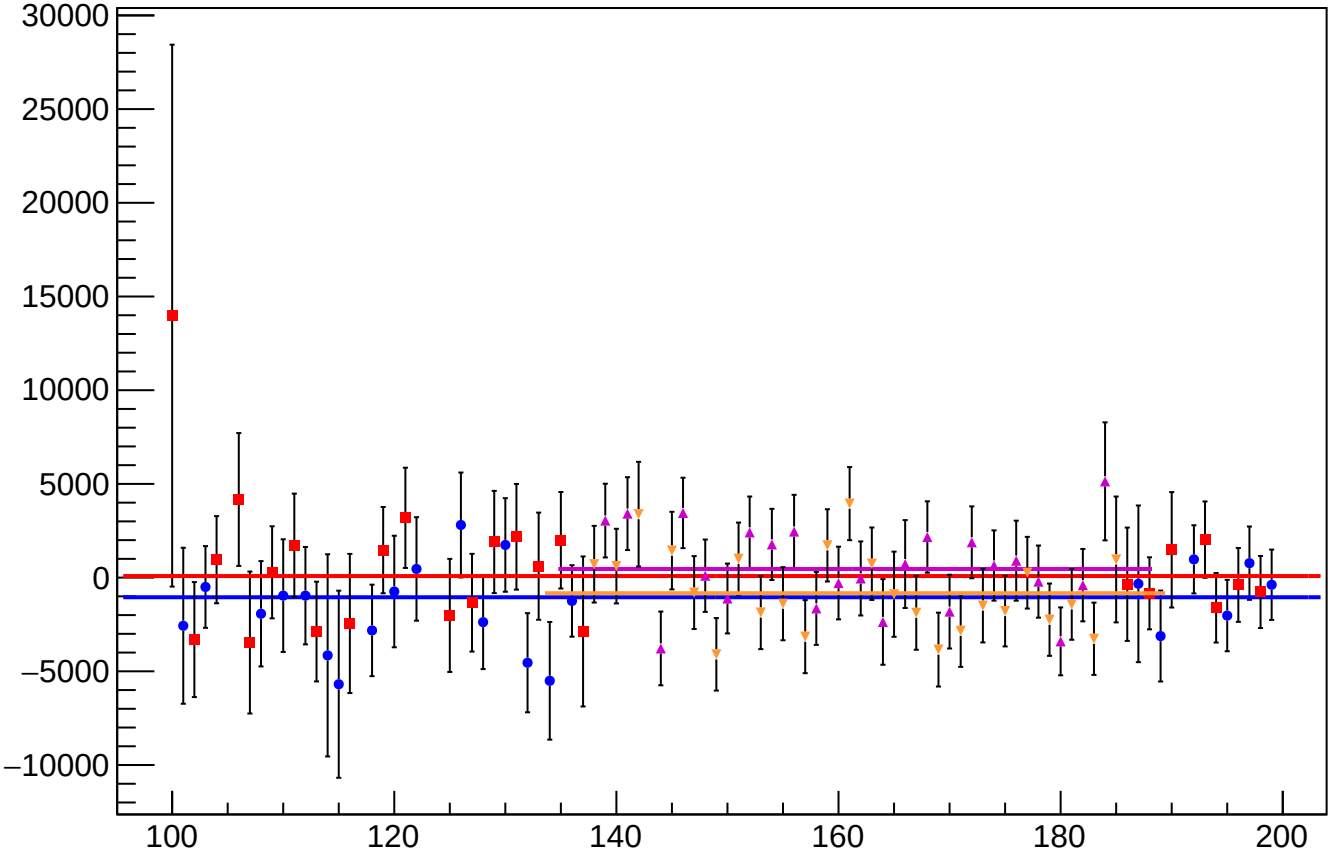
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14177740.5/45

All: 0.000+/-0.000 χ^2/NDF: 27437607.8/93

- sign 0.000+/-0.000 χ^2/NDF: 13240538.1/47

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1048.464+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 83.268+/-521.081 χ^2/NDF: 13.6/24

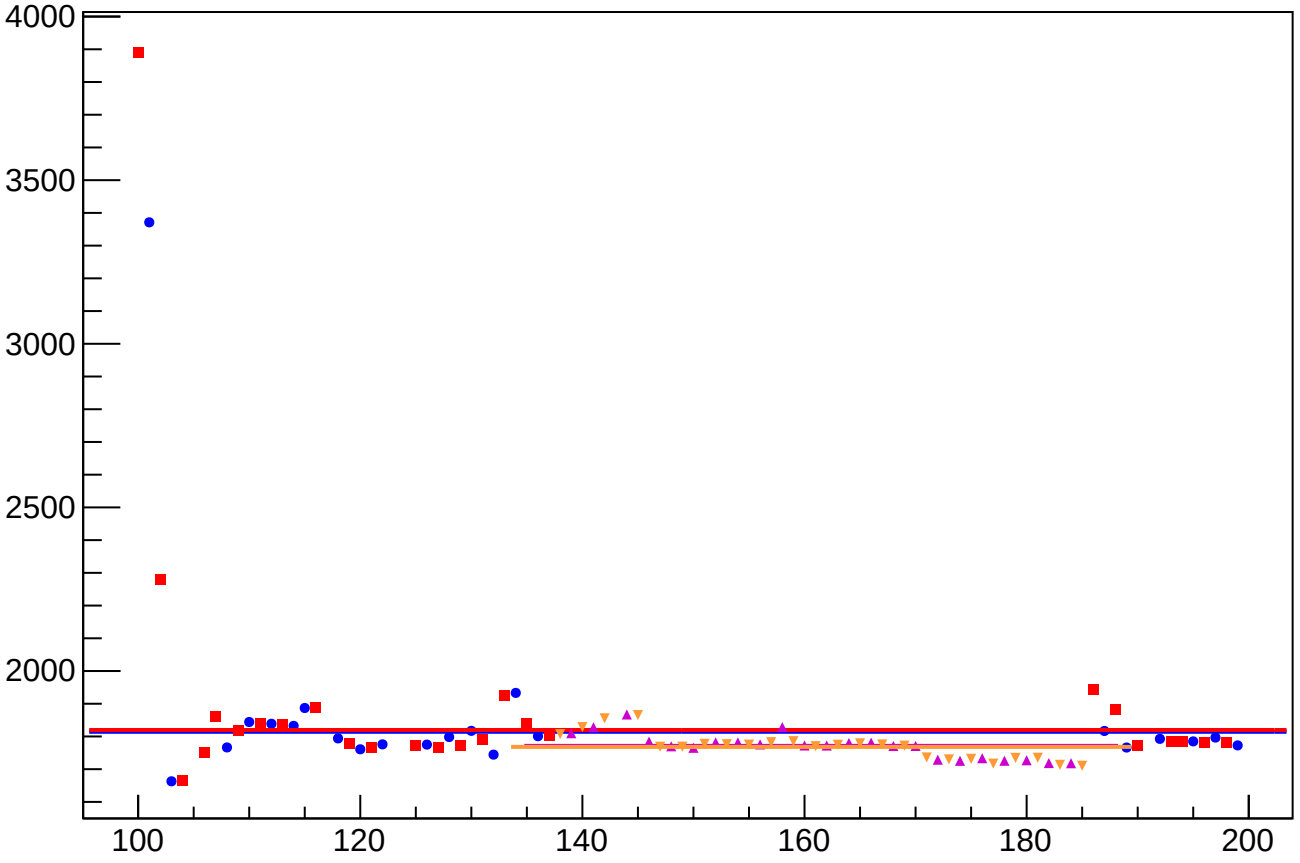
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -912.028+/-326.298 χ^2/NDF: 38.3/45

All: -294.567+/-229.901 χ^2/NDF: 86.6/93

- sign 314.125+/-323.973 χ^2/NDF: 41.2/47

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1814.346+/-0.380 χ^2/NDF: 299599.1/21

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

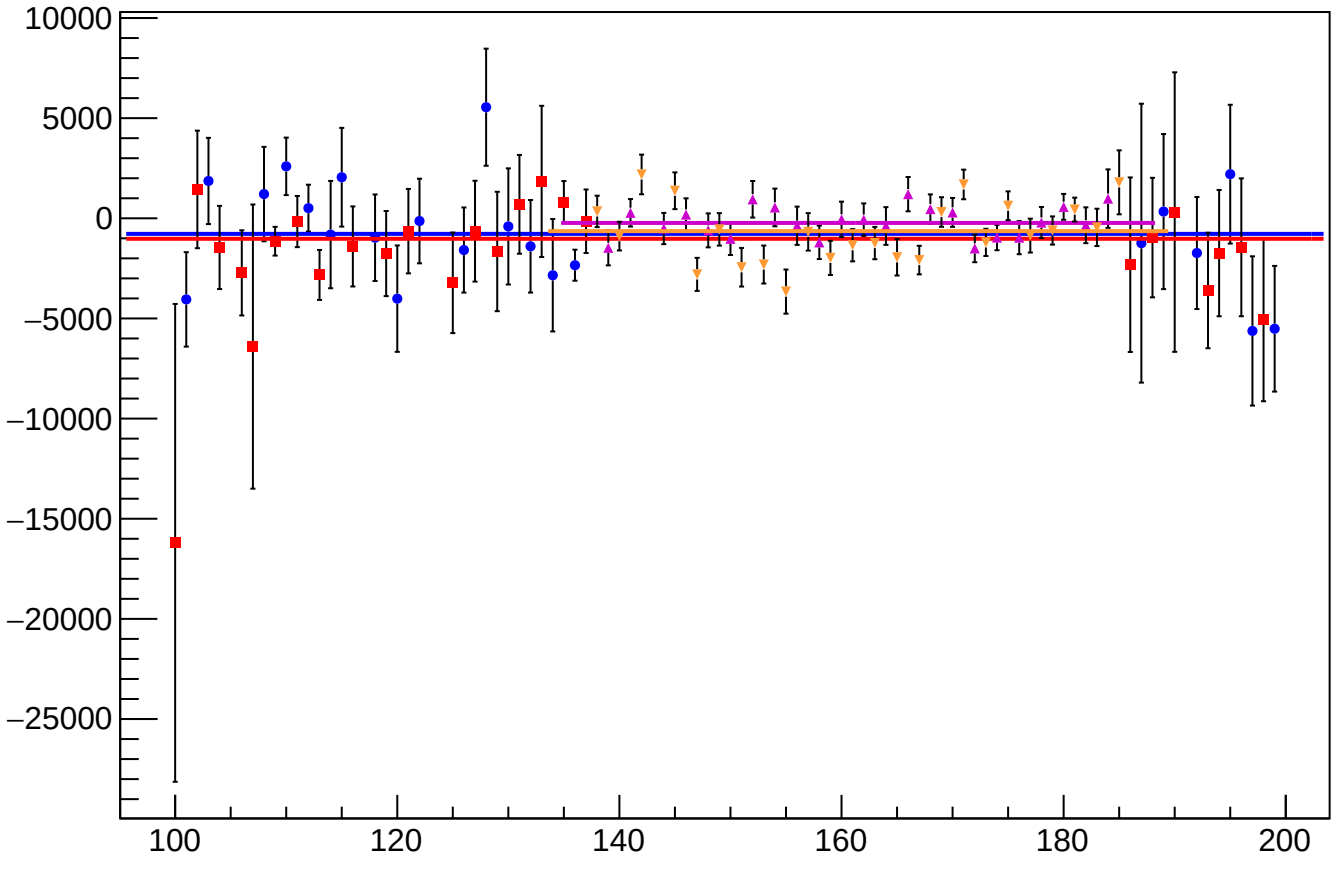
Right Out: 1819.787+/-0.368 χ^2/NDF: 112045.0/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.135+/-0.231 χ^2/NDF: 325290.8/45

All: 1787.581+/-0.163 χ^2/NDF: 464644.0/93

- sign 1789.992+/-0.229 χ^2/NDF: 139130.1/47



Right In: -776.971+/-423.046 χ^2/NDF: 28.2/21

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: -1022.763+/-377.634 χ^2/NDF: 13.6/24

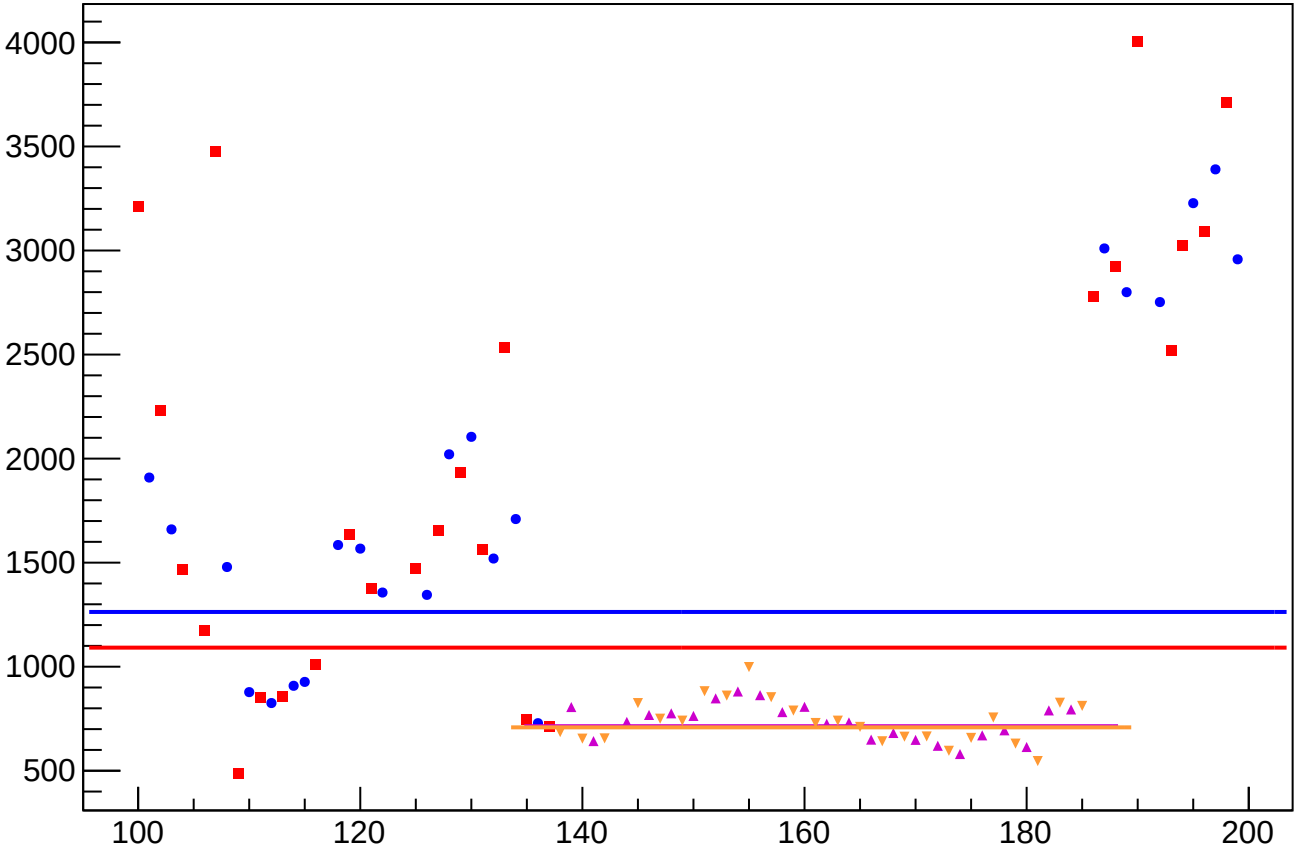
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -659.252+/-154.891 χ^2/NDF: 95.0/45

All: -509.485+/-109.115 χ^2/NDF: 134.1/93

- sign -361.937+/-153.739 χ^2/NDF: 37.2/47

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1263.066+/-0.299 χ^2/NDF: 5025685.8/21

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1091.595+/-0.267 χ^2/NDF: 7543959.9/24

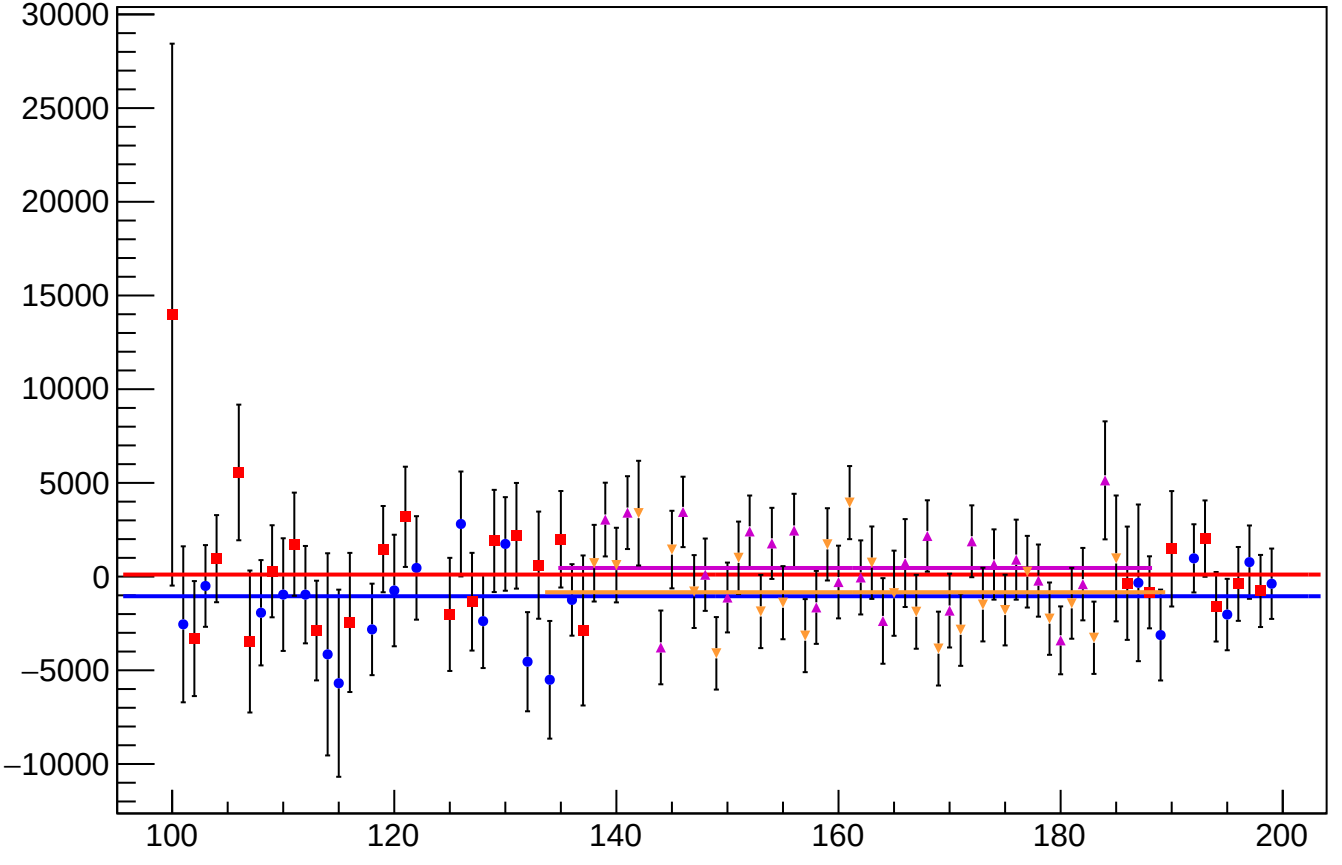
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 782.844+/-0.110 χ^2/NDF: 8702272.1/45

All: 779.758+/-0.077 χ^2/NDF: 18411796.9/93

- sign 776.718+/-0.109 χ^2/NDF: 9707948.7/47

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1048.099+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 108.384+/-521.311 χ^2/NDF: 14.6/24

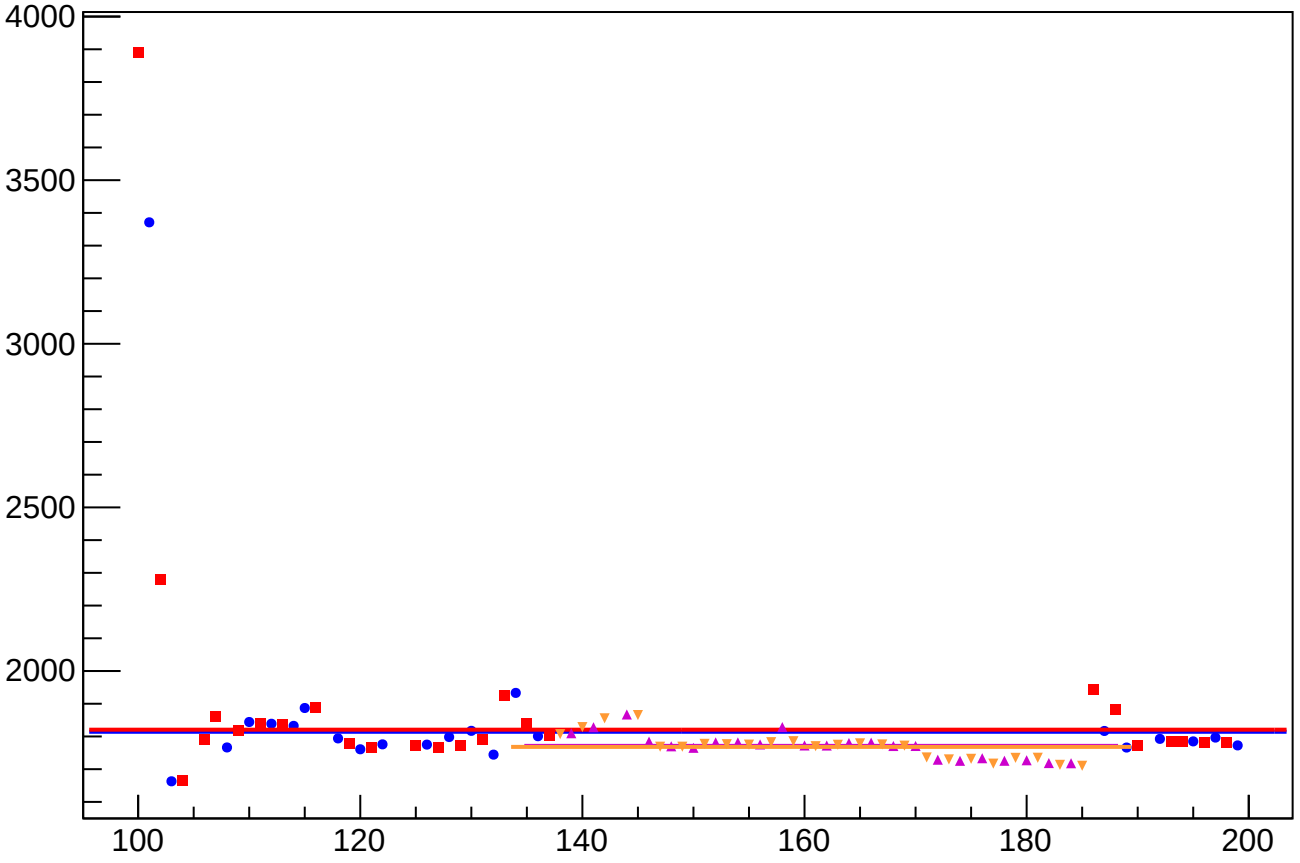
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -911.826+/-326.298 χ^2/NDF: 38.3/45

All: -289.659+/-229.921 χ^2/NDF: 87.7/93

- sign 323.882+/-324.028 χ^2/NDF: 42.1/47

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1814.346+/-0.380 χ^2/NDF: 299601.0/21

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

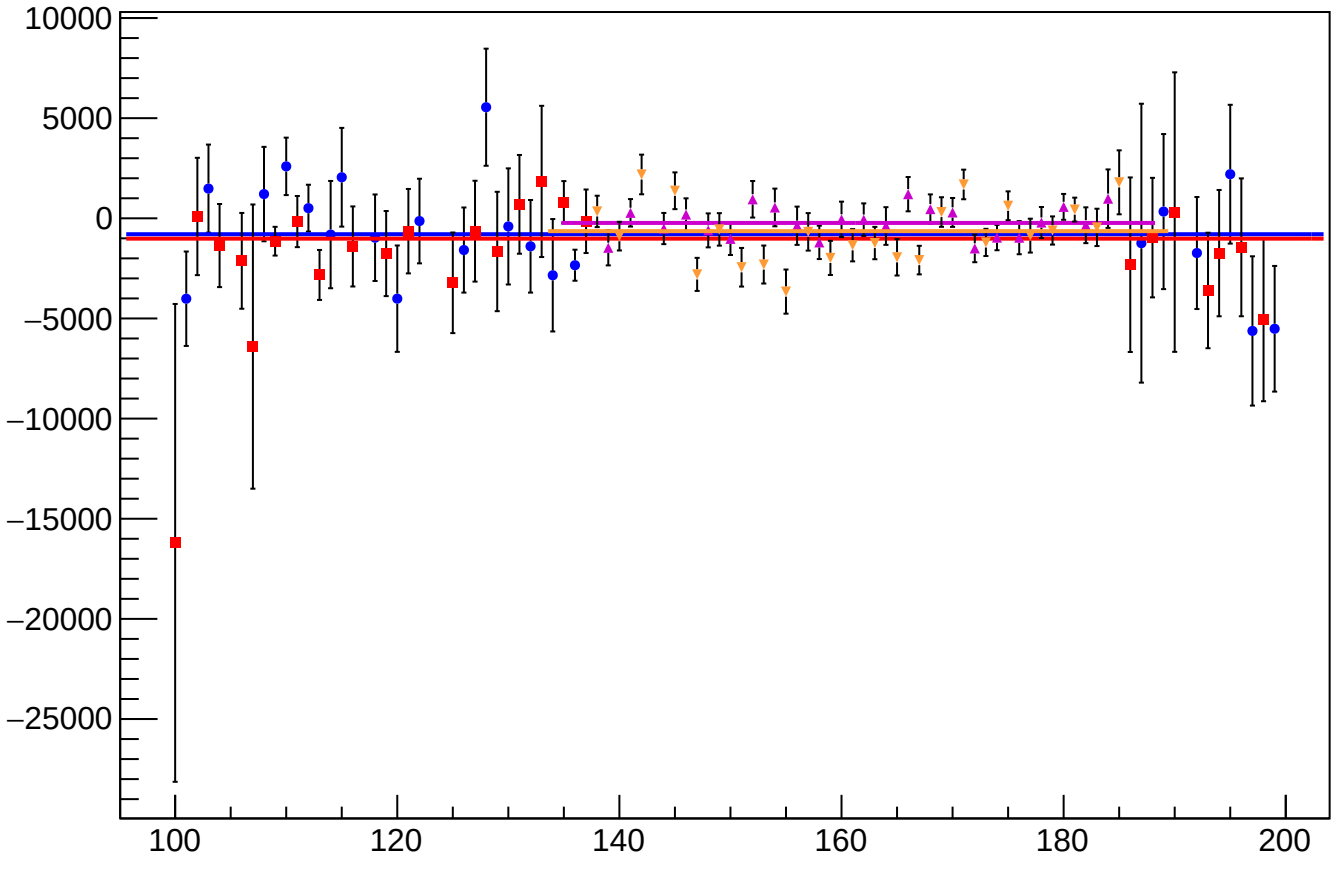
Right Out: 1820.697+/-0.369 χ^2/NDF: 111399.4/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.135+/-0.231 χ^2/NDF: 325292.6/45

All: 1787.752+/-0.163 χ^2/NDF: 464429.6/93

- sign 1790.333+/-0.229 χ^2/NDF: 138881.4/47



Right In: -794.181+/-423.370 χ^2/NDF: 27.7/21

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

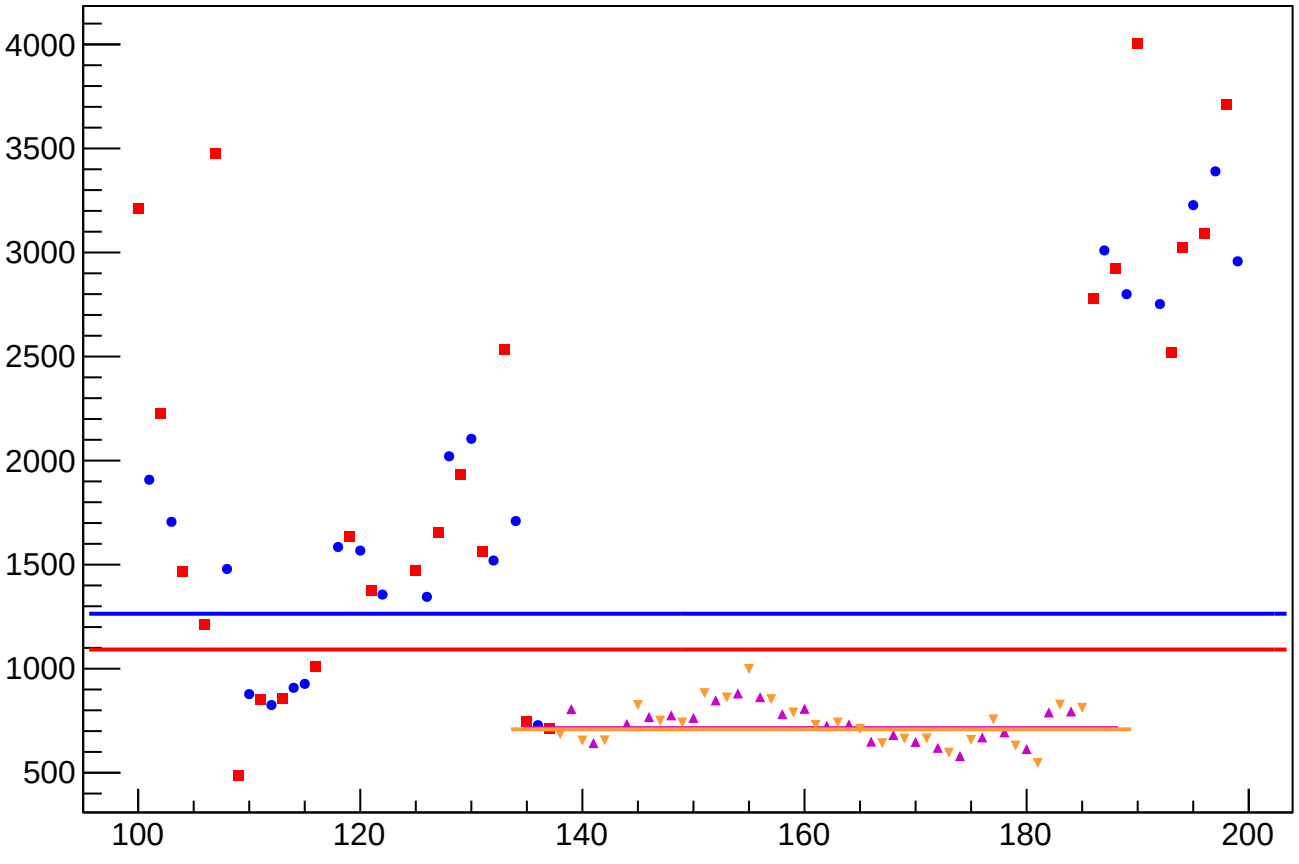
Right Out: -1015.334+/-378.866 χ^2/NDF: 12.6/24

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -661.511+/-154.908 χ^2/NDF: 94.5/45

All: -509.663+/-109.151 χ^2/NDF: 132.5/93

- sign -359.935+/-153.823 χ^2/NDF: 36.1/47



Right In: 1264.153+/-0.299 χ^2/NDF: 5038547.2/21

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1091.985+/-0.268 χ^2/NDF: 7544877.1/24

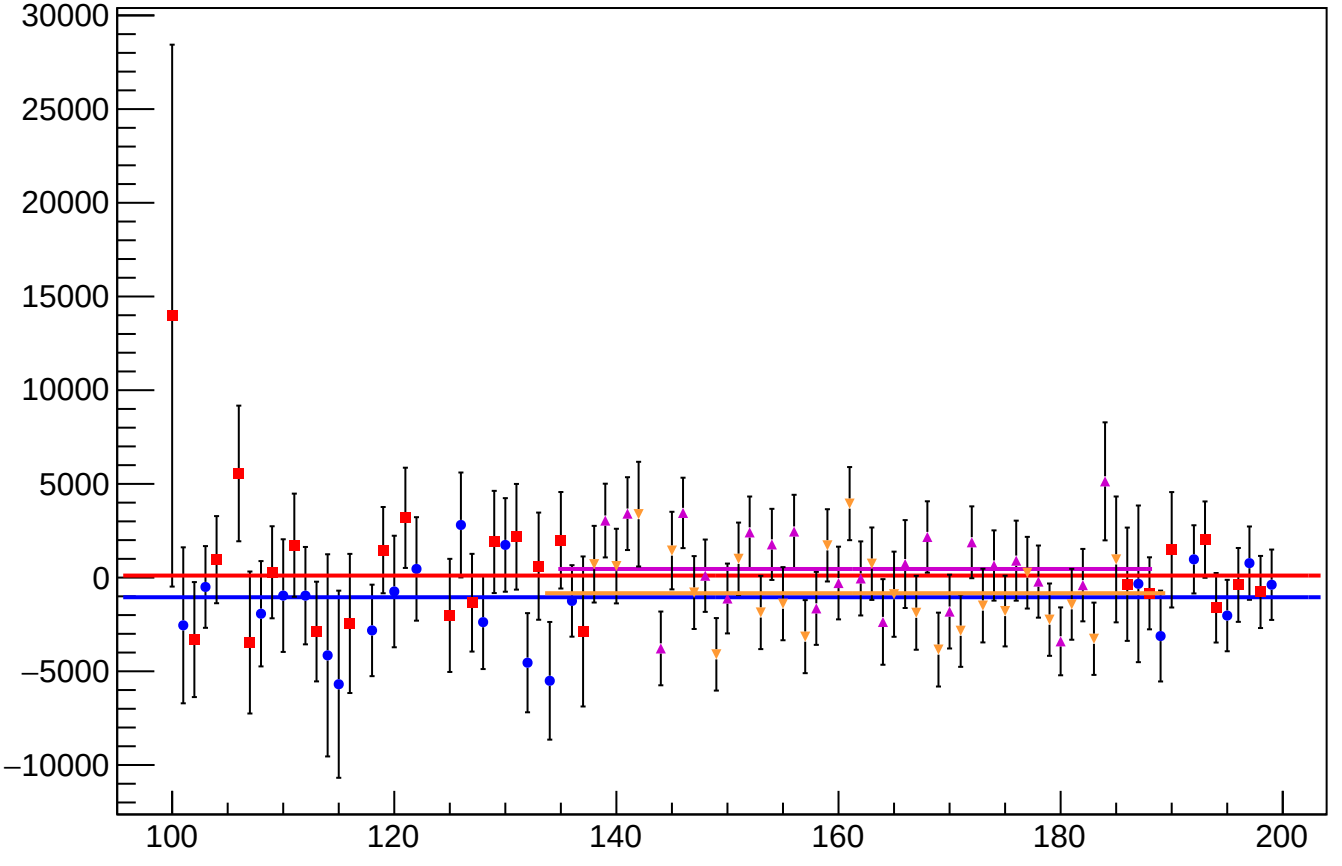
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 782.897+/-0.110 χ^2/NDF: 8722753.5/45

All: 779.650+/-0.077 χ^2/NDF: 18427706.0/93

- sign 776.449+/-0.109 χ^2/NDF: 9703207.6/47

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1048.099+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 108.384+/-521.311 χ^2/NDF: 14.6/24

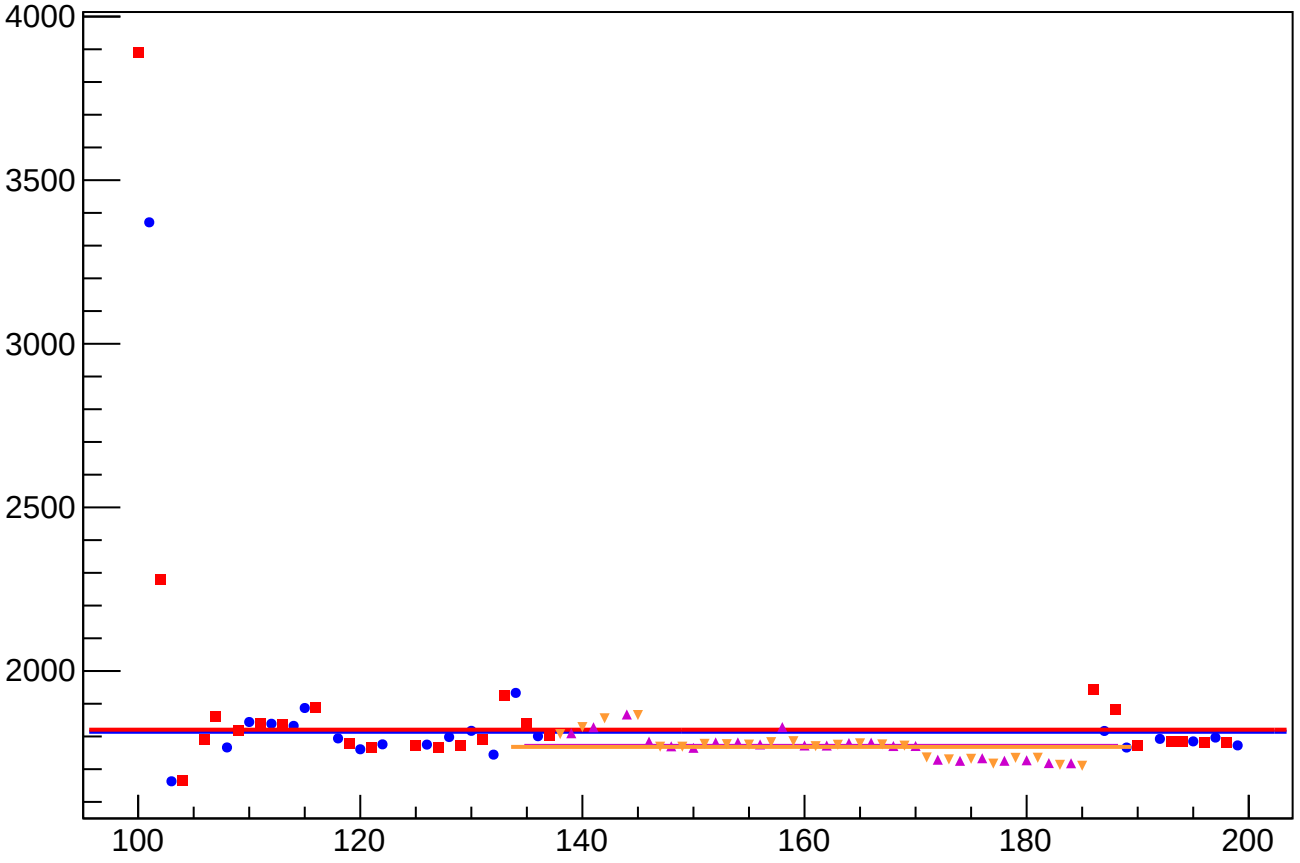
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -911.826+/-326.298 χ^2/NDF: 38.3/45

All: -289.659+/-229.921 χ^2/NDF: 87.7/93

- sign 323.882+/-324.028 χ^2/NDF: 42.1/47

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1814.346+/-0.380 χ^2/NDF: 299601.0/21

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

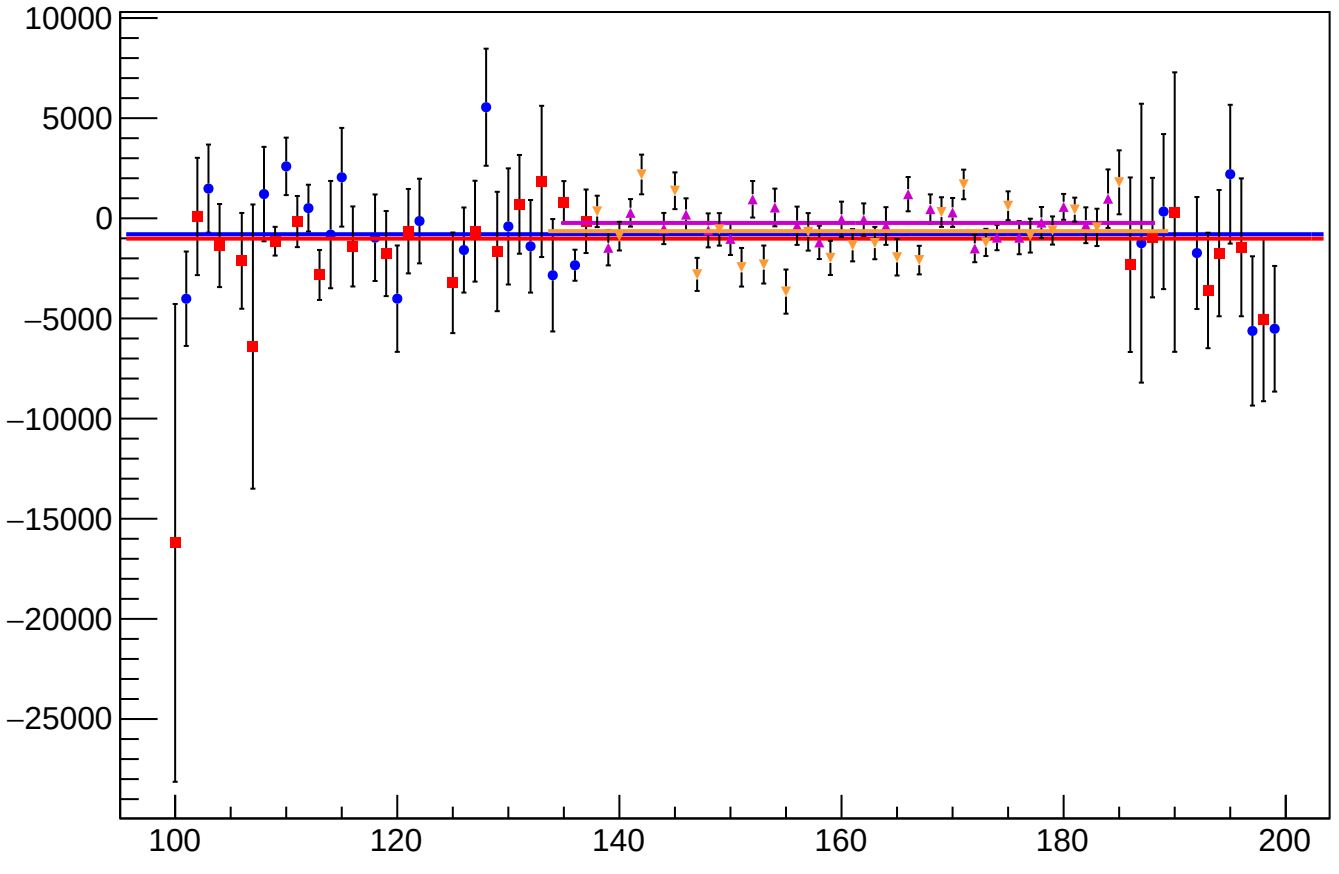
Right Out: 1820.697+/-0.369 χ^2/NDF: 111399.4/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.135+/-0.231 χ^2/NDF: 325292.6/45

All: 1787.752+/-0.163 χ^2/NDF: 464429.6/93

- sign 1790.333+/-0.229 χ^2/NDF: 138881.4/47



Right In: -794.181+/-423.370 χ^2/NDF: 27.7/21

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

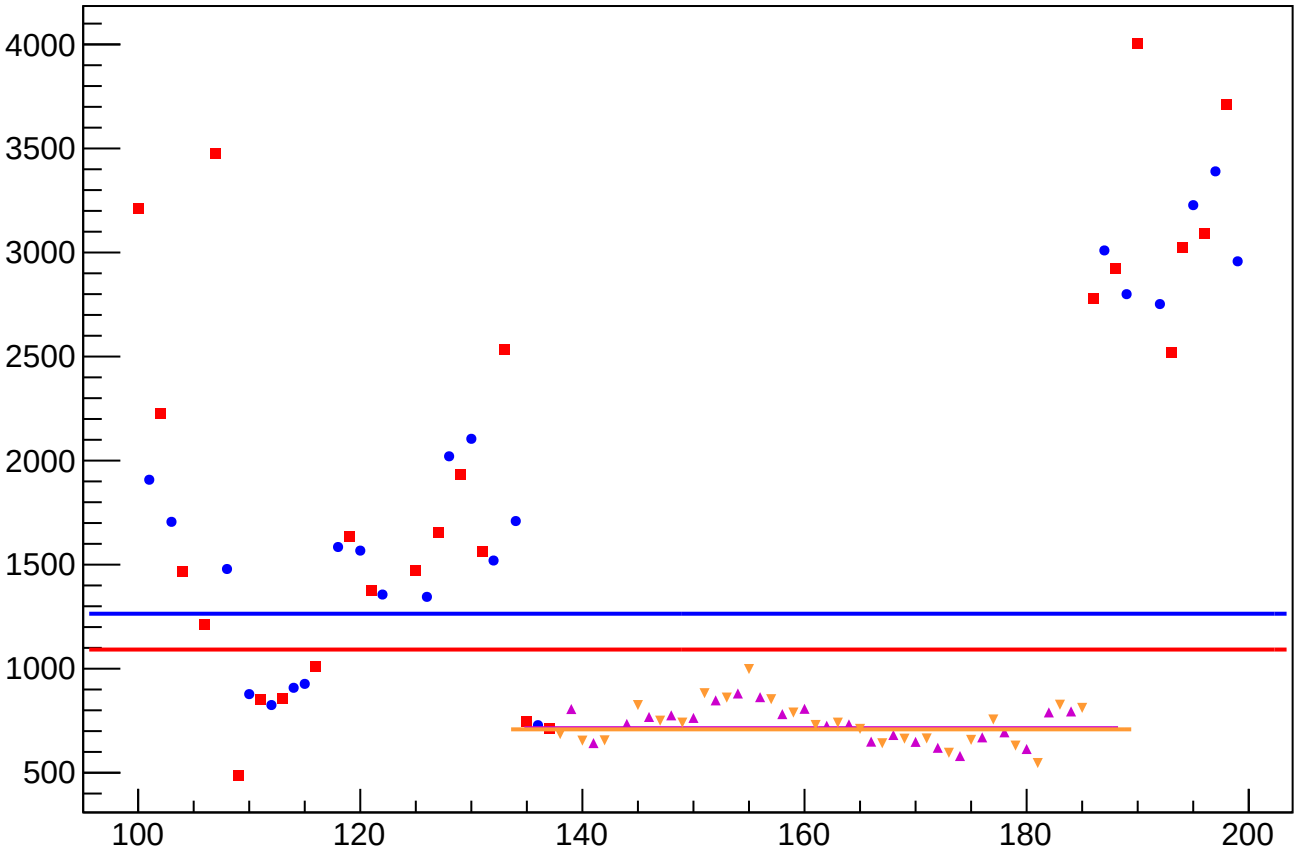
Right Out: -1015.334+/-378.866 χ^2/NDF: 12.6/24

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -661.511+/-154.908 χ^2/NDF: 94.5/45

All: -509.663+/-109.151 χ^2/NDF: 132.5/93

- sign -359.935+/-153.823 χ^2/NDF: 36.1/47



Right In: 1264.153+/-0.299 χ^2/NDF: 5038547.2/21

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1091.985+/-0.268 χ^2/NDF: 7544877.1/24

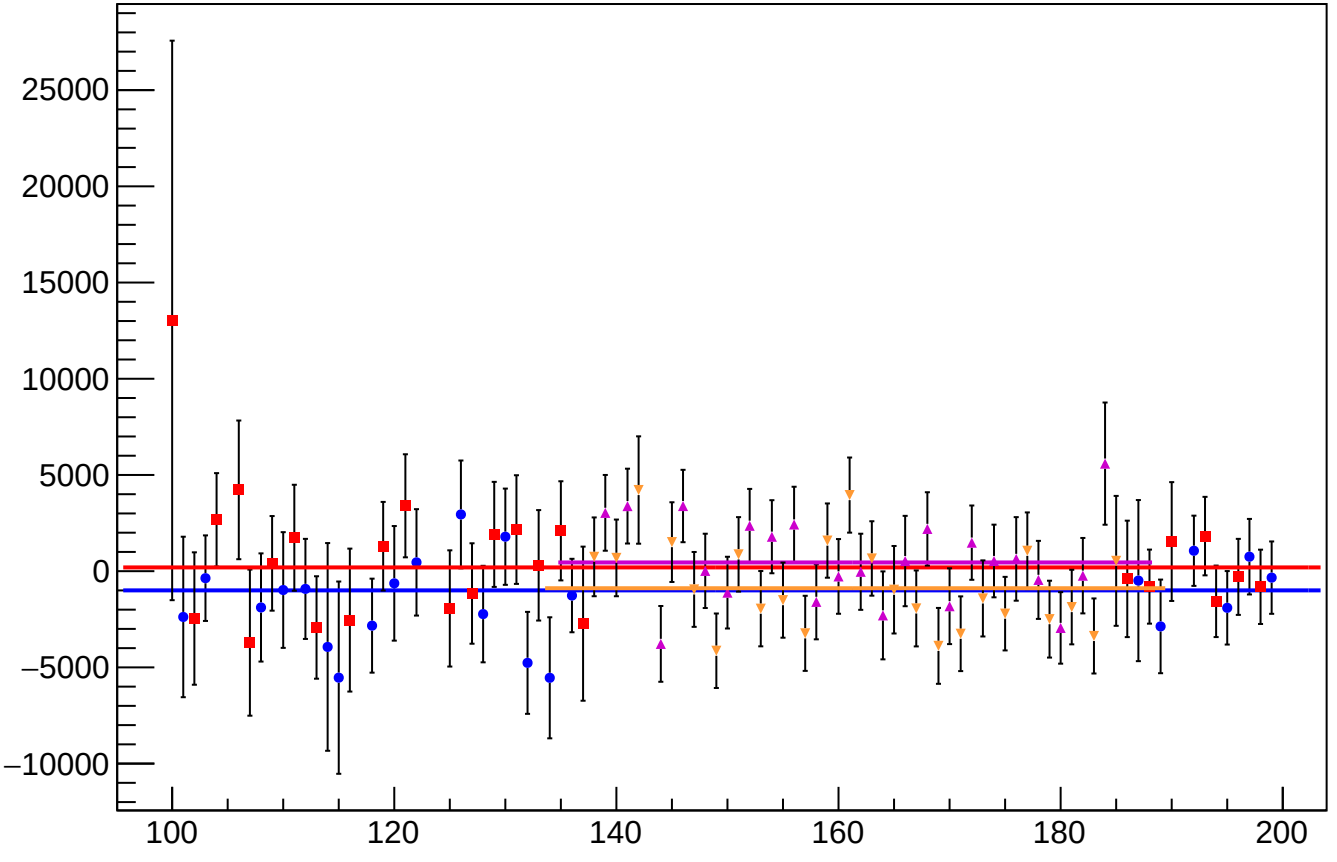
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 782.897+/-0.110 χ^2/NDF: 8722753.5/45

All: 779.650+/-0.077 χ^2/NDF: 18427706.0/93

- sign 776.449+/-0.109 χ^2/NDF: 9703207.6/47

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -998.173+/-539.363 χ^2/NDF: 12.9/21

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 195.371+/-524.640 χ^2/NDF: 13.7/24

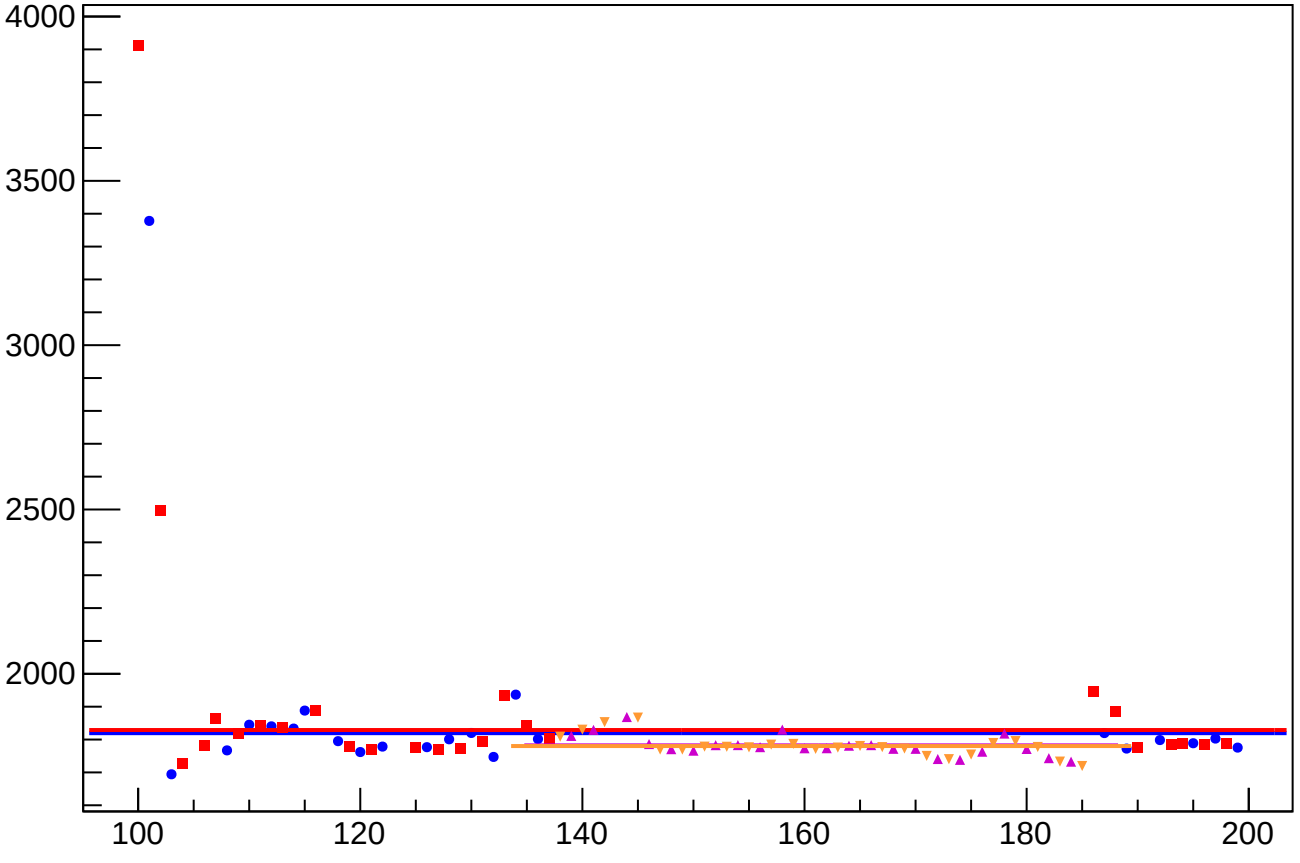
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -927.712+/-328.023 χ^2/NDF: 41.1/45

All: -283.192+/-231.250 χ^2/NDF: 88.4/93

- sign 353.635+/-326.060 χ^2/NDF: 39.7/47

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1819.409+/-0.381 χ^2/NDF: 296208.4/21

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

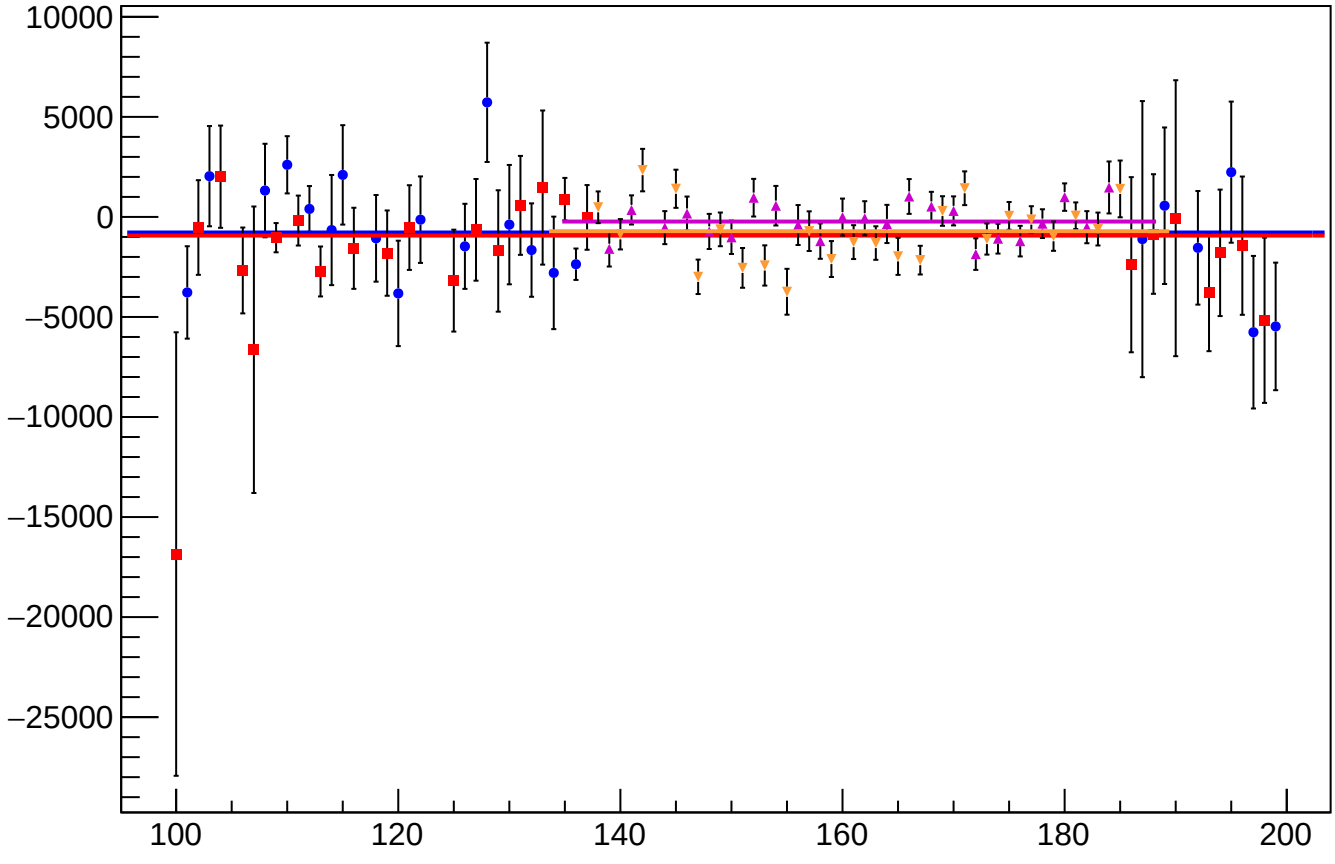
Right Out: 1828.951+/-0.371 χ^2/NDF: 137681.9/24

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1794.715+/-0.232 χ^2/NDF: 313241.5/45

All: 1797.533+/-0.164 χ^2/NDF: 472155.3/93

- sign 1800.318+/-0.231 χ^2/NDF: 158620.3/47



Right In: -778.179+/-426.888 χ^2/NDF: 27.6/21

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

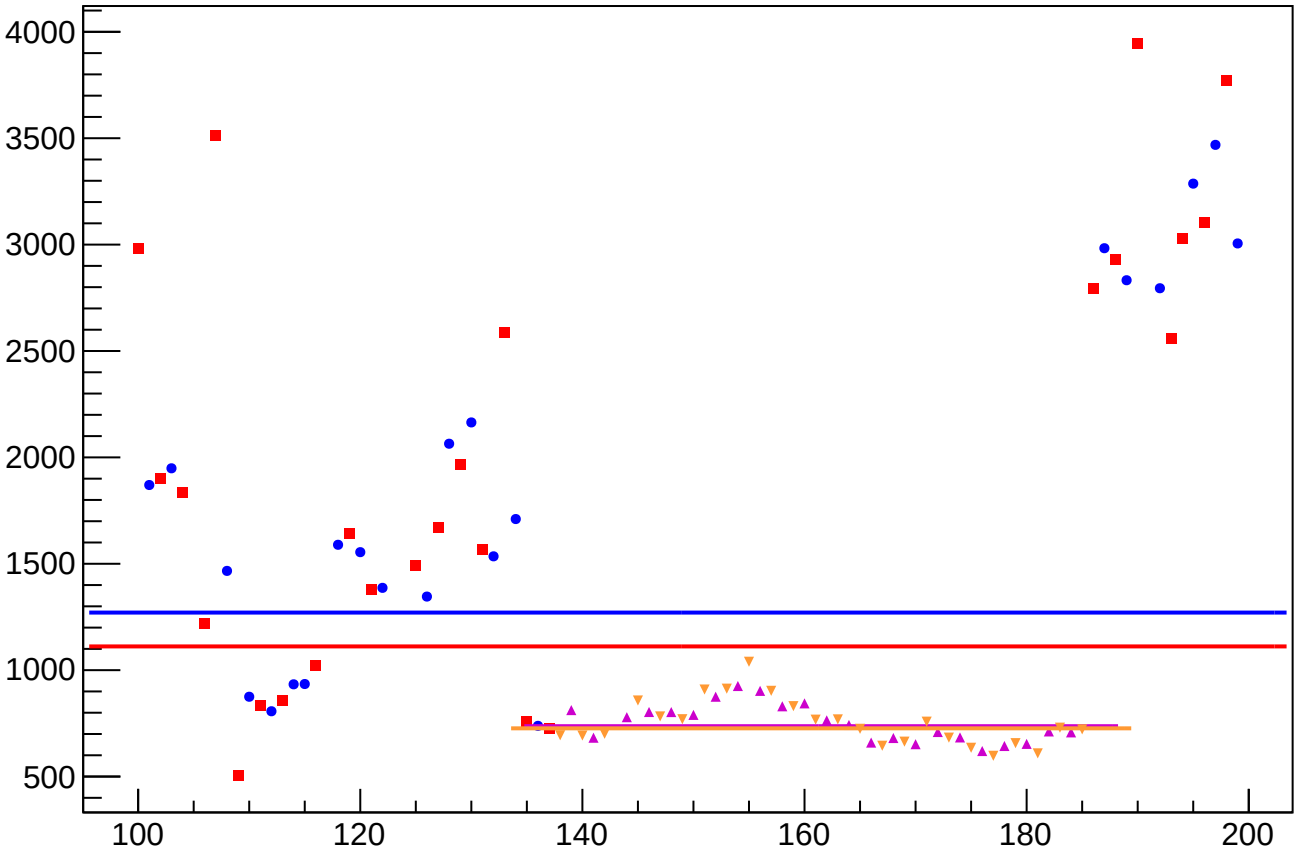
Right Out: -931.899+/-381.154 χ^2/NDF: 14.6/24

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -725.080+/-158.420 χ^2/NDF: 87.0/45

All: -537.627+/-111.822 χ^2/NDF: 131.2/93

- sign -351.493+/-157.861 χ^2/NDF: 41.5/47



Right In: 1270.655+/-0.302 χ^2/NDF: 5164394.0/21

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1111.611+/-0.270 χ^2/NDF: 7480417.1/24

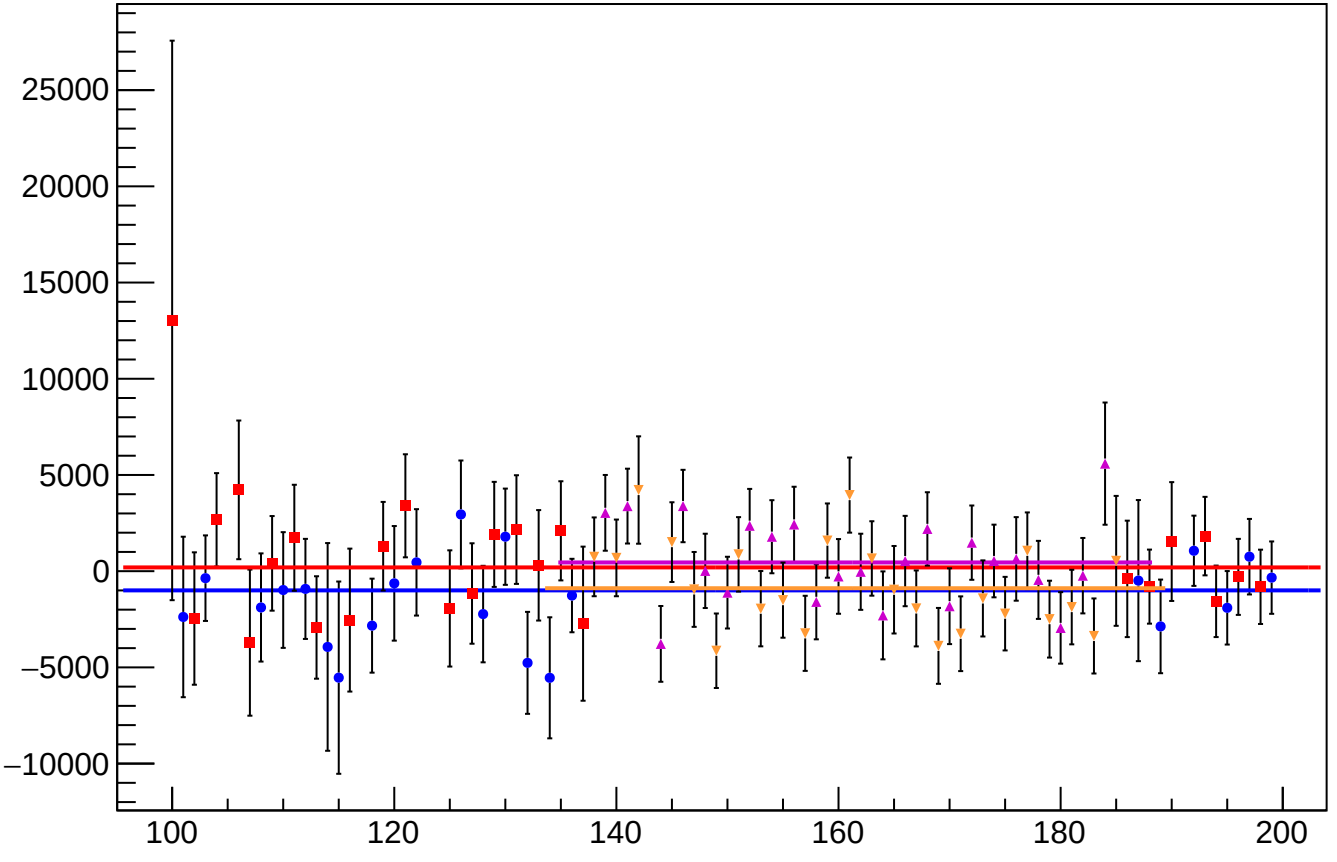
Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 801.530+/-0.112 χ^2/NDF: 8650287.3/45

All: 801.273+/-0.079 χ^2/NDF: 18198770.8/93

- sign 801.018+/-0.112 χ^2/NDF: 9548473.0/47

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -998.175+/-539.363 χ^2/NDF: 12.9/21

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 195.371+/-524.640 χ^2/NDF: 13.7/24

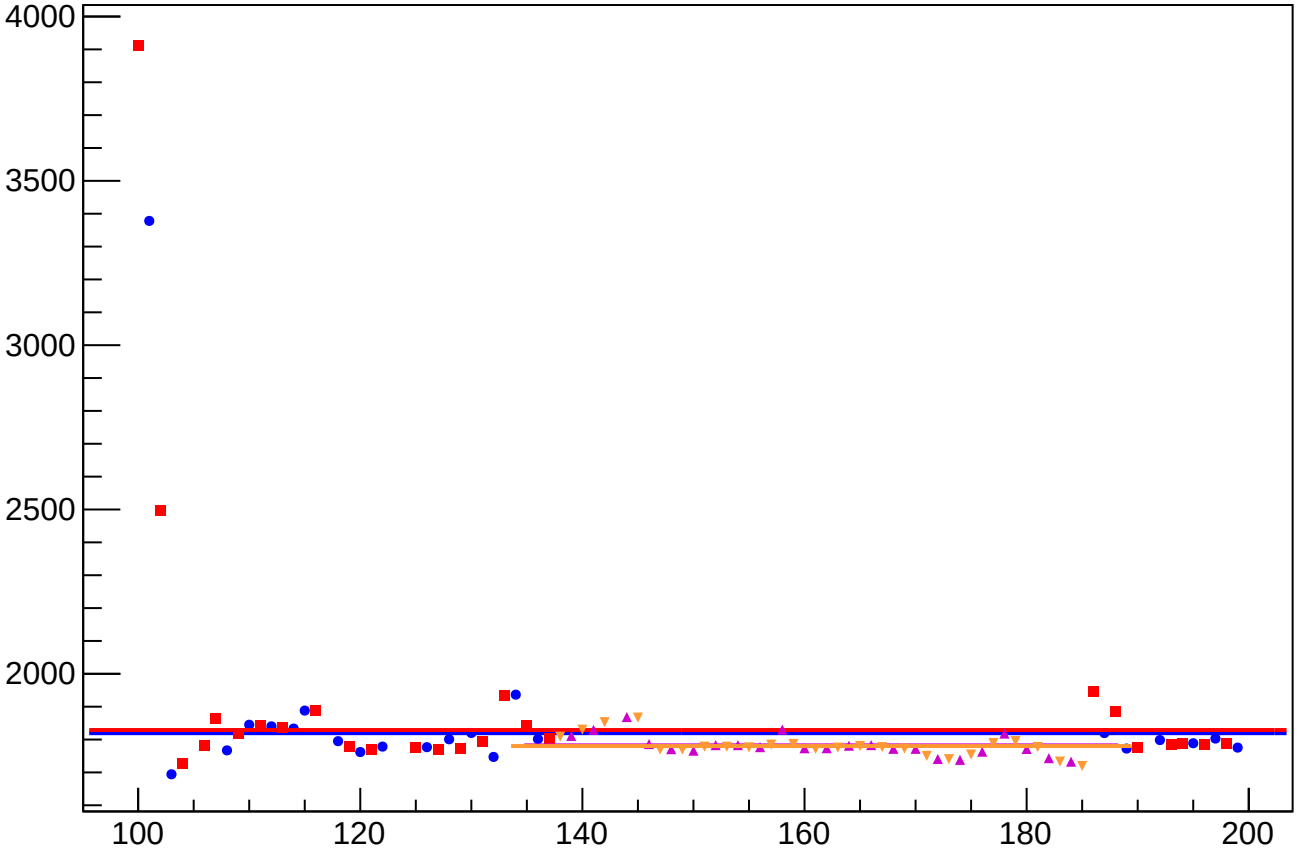
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -927.712+/-328.023 χ^2/NDF: 41.1/45

All: -283.192+/-231.250 χ^2/NDF: 88.4/93

- sign 353.635+/-326.060 χ^2/NDF: 39.7/47

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1819.409+/-0.381 χ^2/NDF: 296208.4/21

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

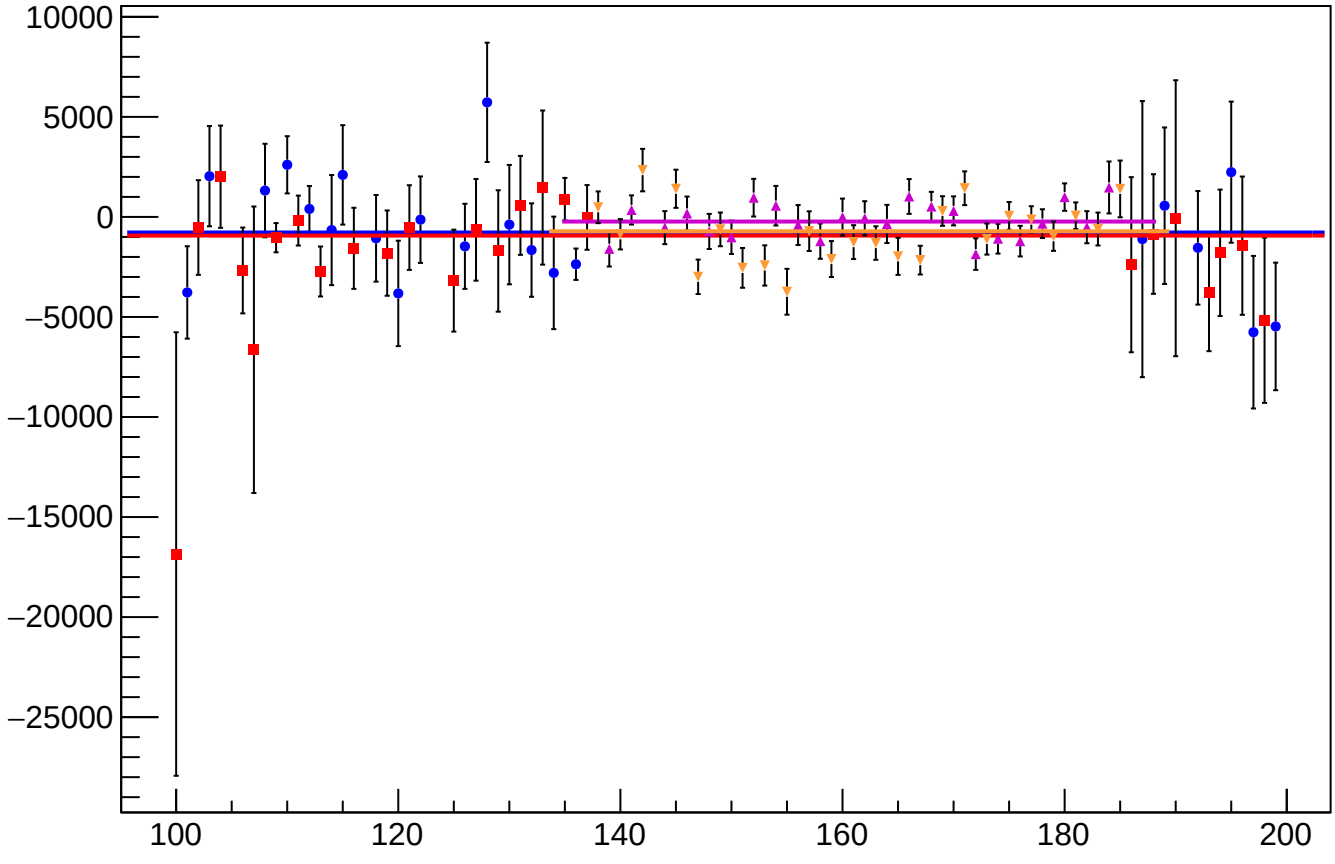
Right Out: 1828.951+/-0.371 χ^2/NDF: 137681.9/24

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1794.715+/-0.232 χ^2/NDF: 313241.6/45

All: 1797.533+/-0.164 χ^2/NDF: 472155.5/93

- sign 1800.318+/-0.231 χ^2/NDF: 158620.4/47



Right In: -778.167+/-426.888 χ^2/NDF: 27.6/21

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

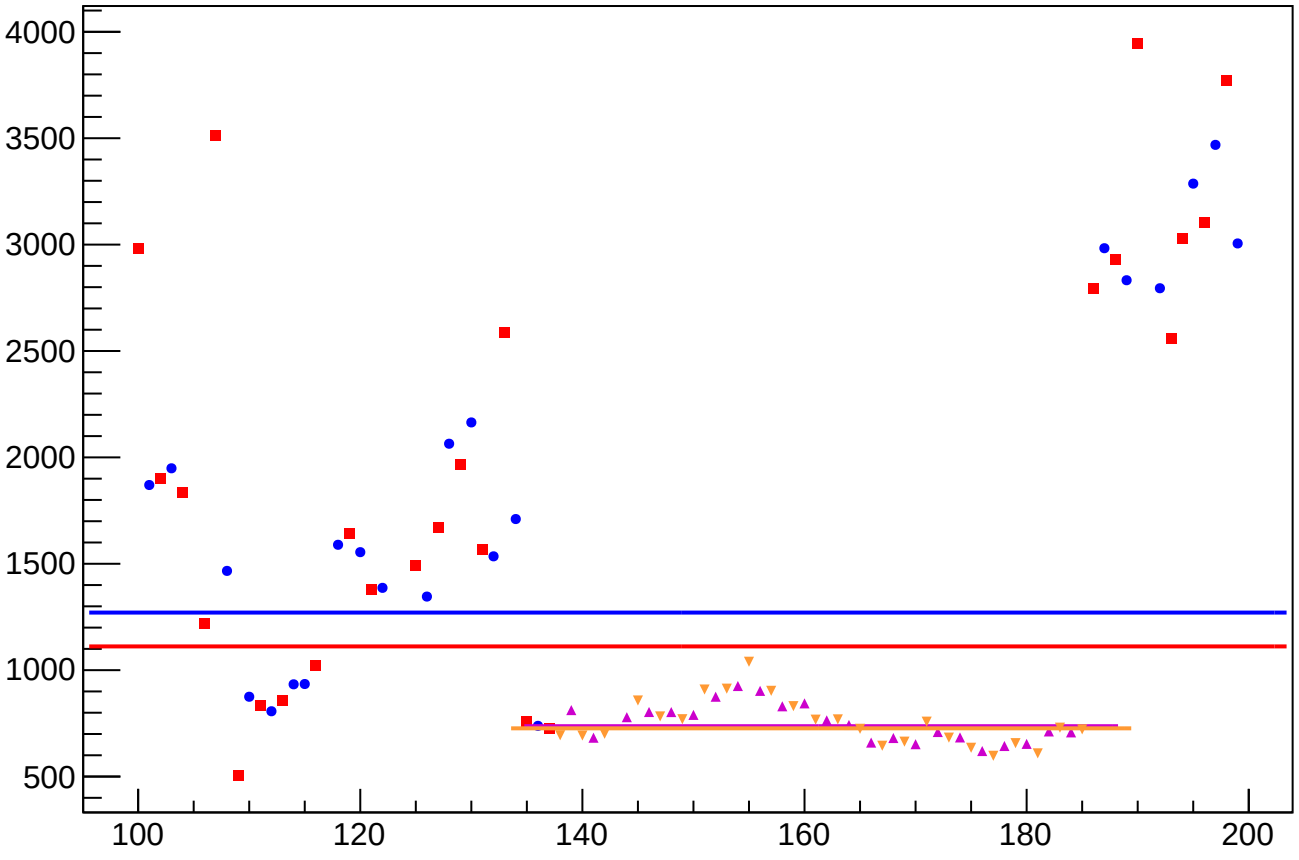
Right Out: -931.905+/-381.154 χ^2/NDF: 14.6/24

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -725.079+/-158.420 χ^2/NDF: 87.0/45

All: -537.626+/-111.822 χ^2/NDF: 131.2/93

- sign -351.492+/-157.861 χ^2/NDF: 41.5/47



Right In: 1270.658+/-0.302 χ^2/NDF: 5164345.9/21

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1111.613+/-0.270 χ^2/NDF: 7480377.5/24

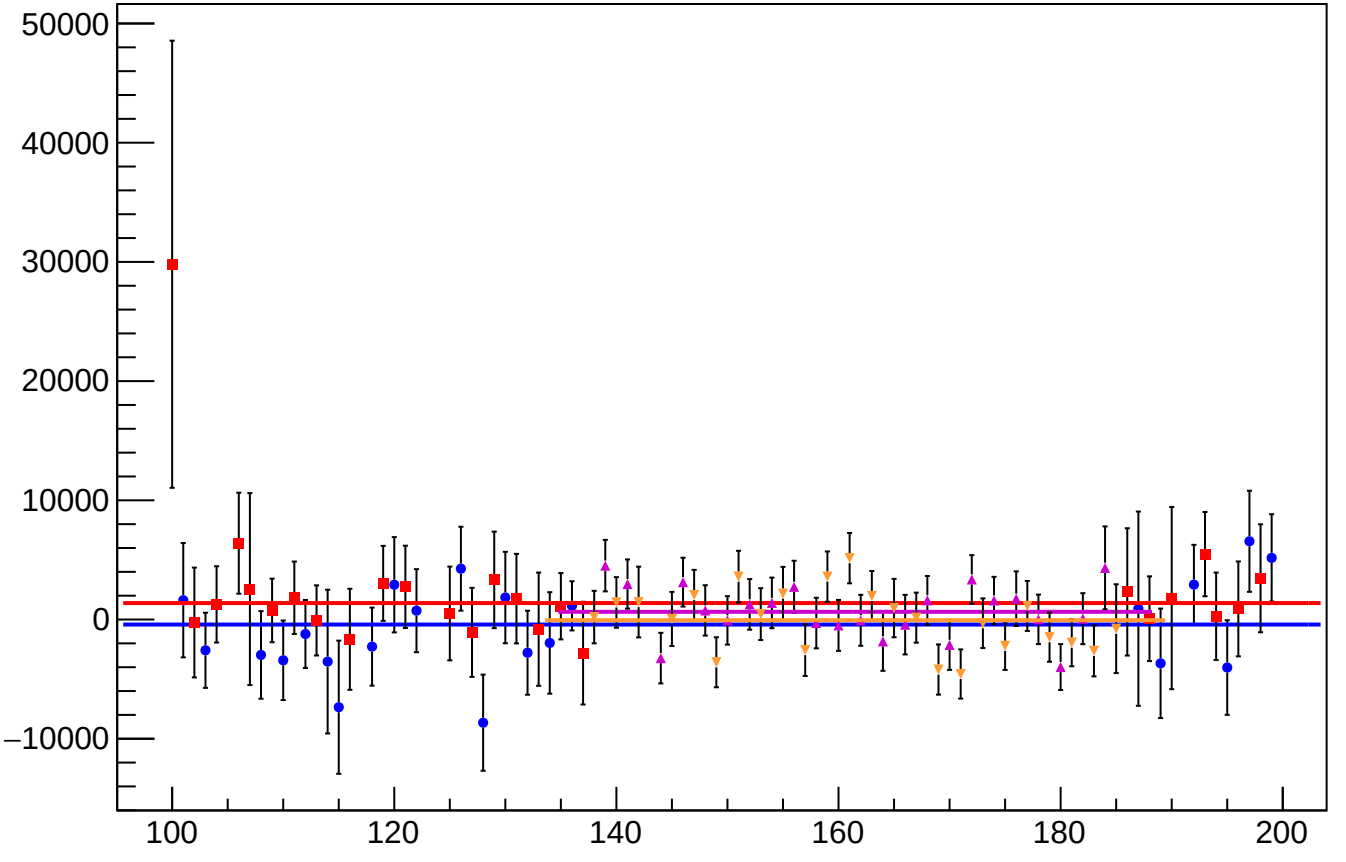
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 801.531+/-0.112 χ^2/NDF: 8650258.2/45

All: 801.273+/-0.079 χ^2/NDF: 18198738.4/93

- sign 801.017+/-0.112 χ^2/NDF: 9548469.7/47

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -420.312+/-777.212 χ^2/NDF: 19.8/21

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1383.157+/-763.045 χ^2/NDF: 8.9/24

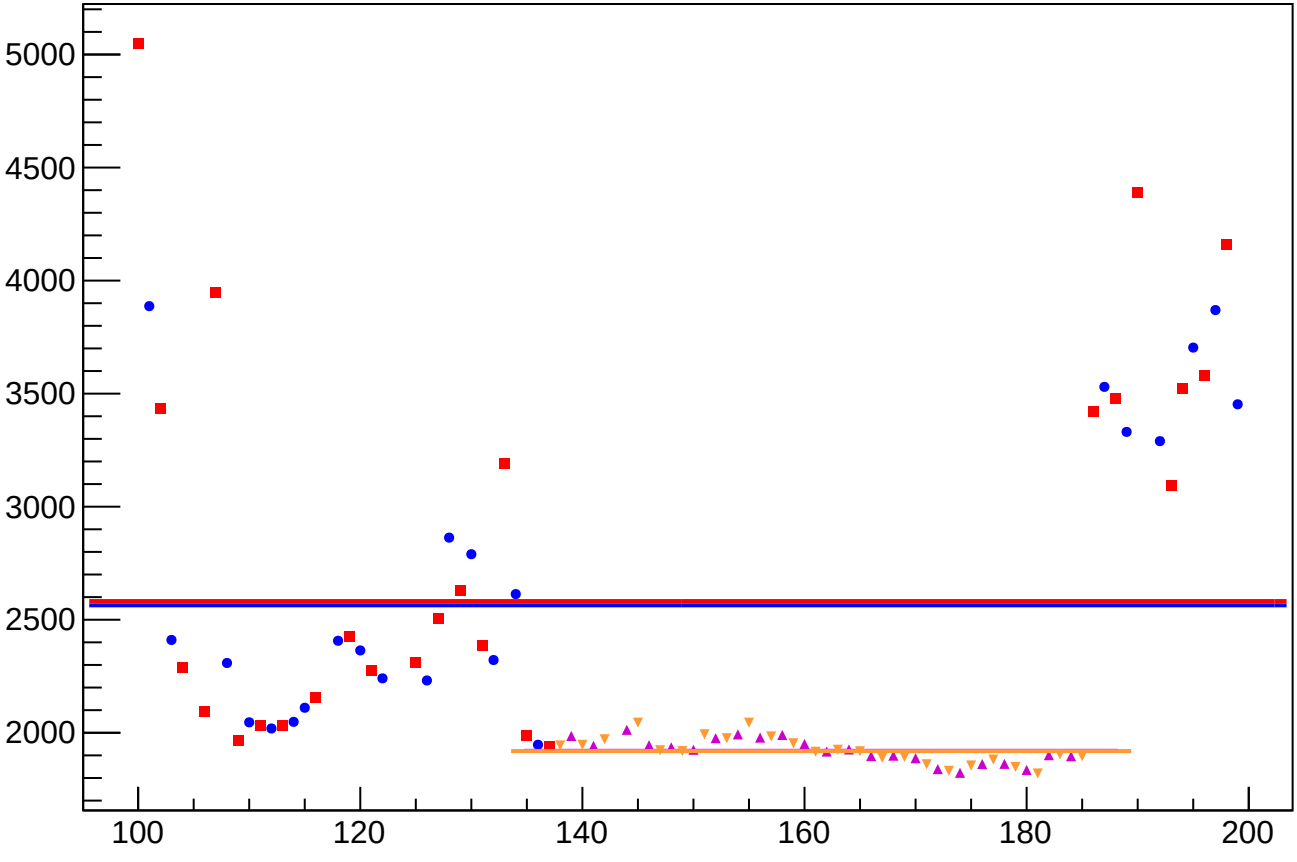
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -148.829+/-386.573 χ^2/NDF: 53.0/45

All: 343.440+/-273.386 χ^2/NDF: 89.4/93

- sign 835.981+/-386.680 χ^2/NDF: 33.2/47

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2563.767+/-0.550 χ^2/NDF: 1217832.3/21

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

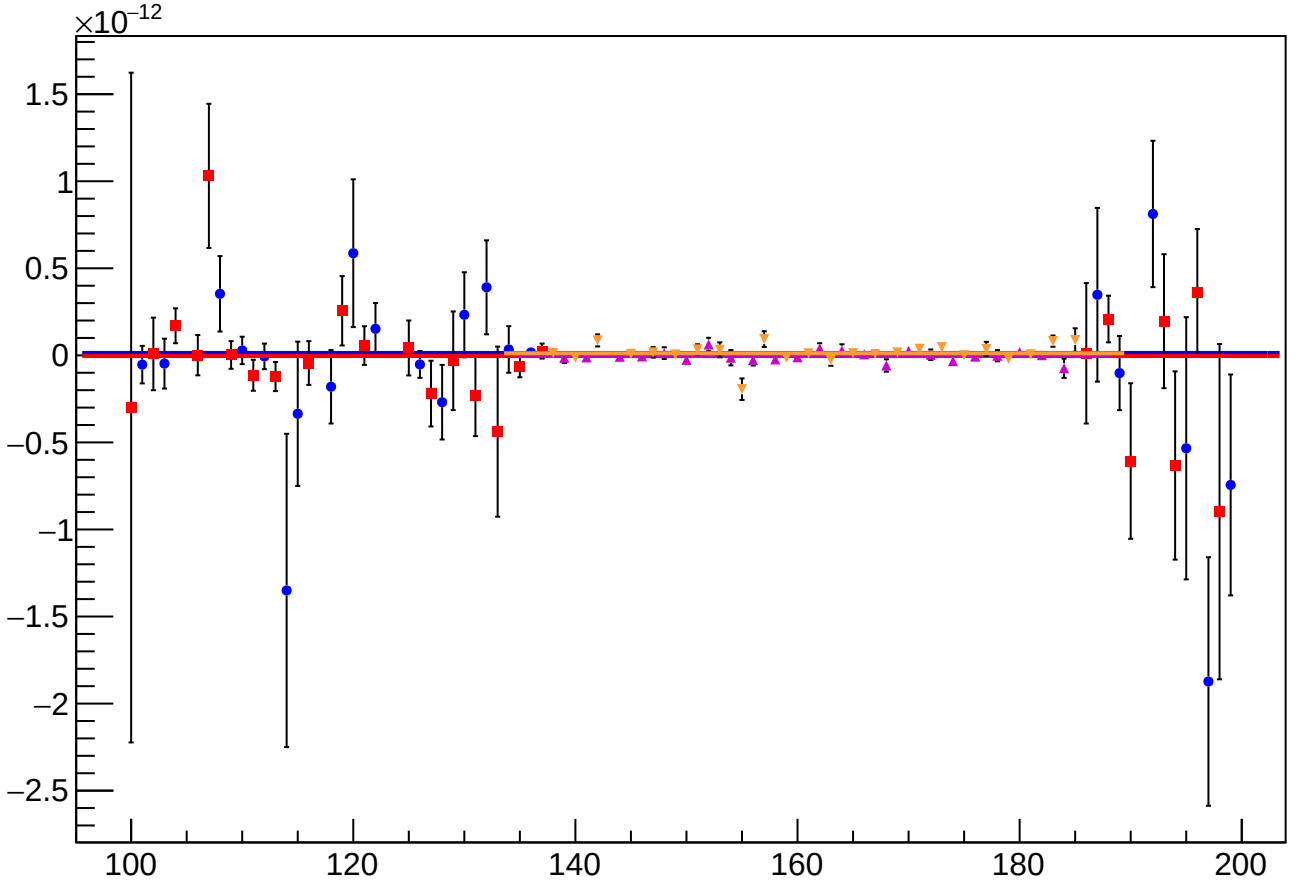
Right Out: 2582.616+/-0.540 χ^2/NDF: 1503654.7/24

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2078.491+/-0.273 χ^2/NDF: 2289409.8/45

All: 2084.406+/-0.193 χ^2/NDF: 4944071.8/93

- sign 2090.323+/-0.273 χ^2/NDF: 2653725.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

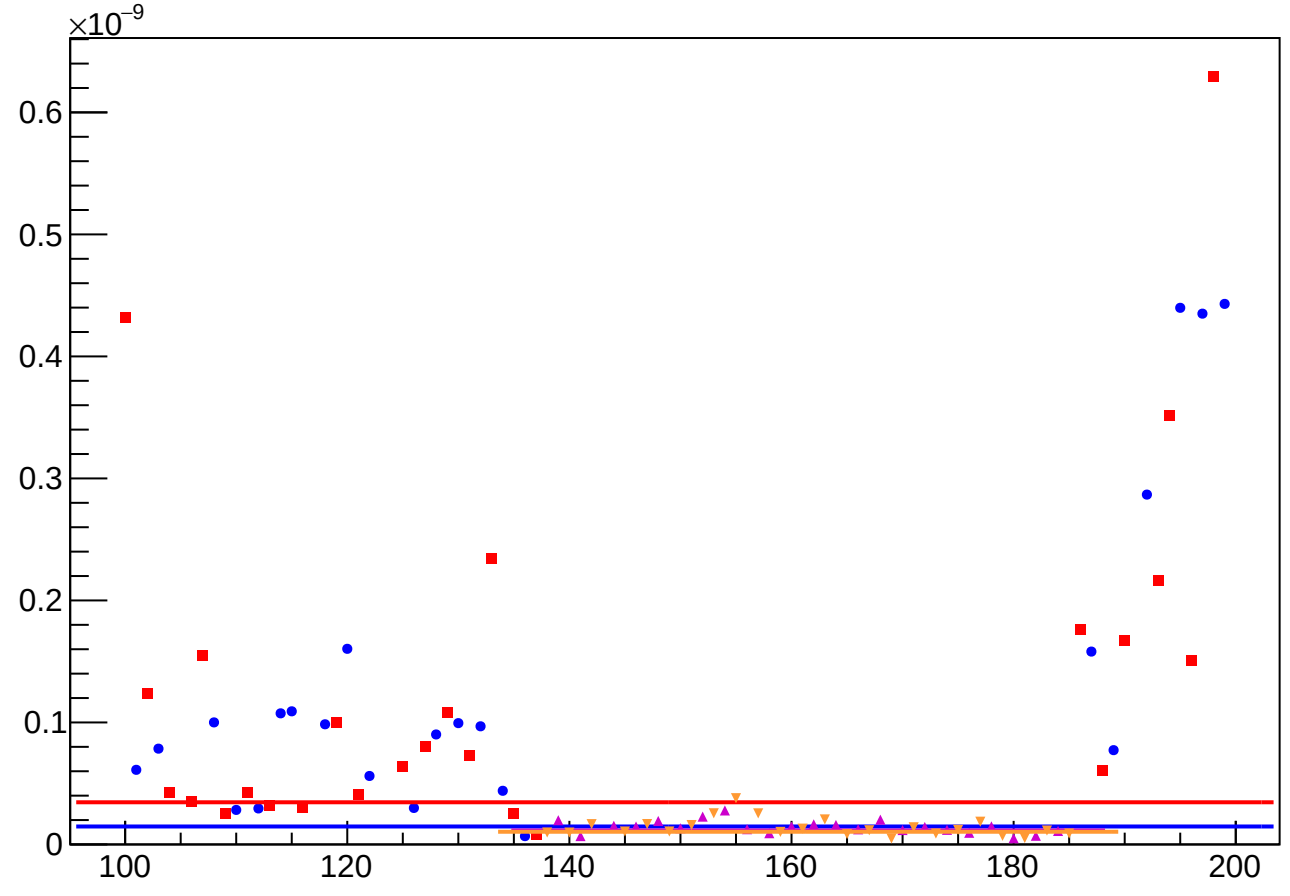
Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/24

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.4/45

All: 0.000+/-0.000 χ^2/NDF: 118.5/93

- sign -0.000+/-0.000 χ^2/NDF: 47.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 6848635.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

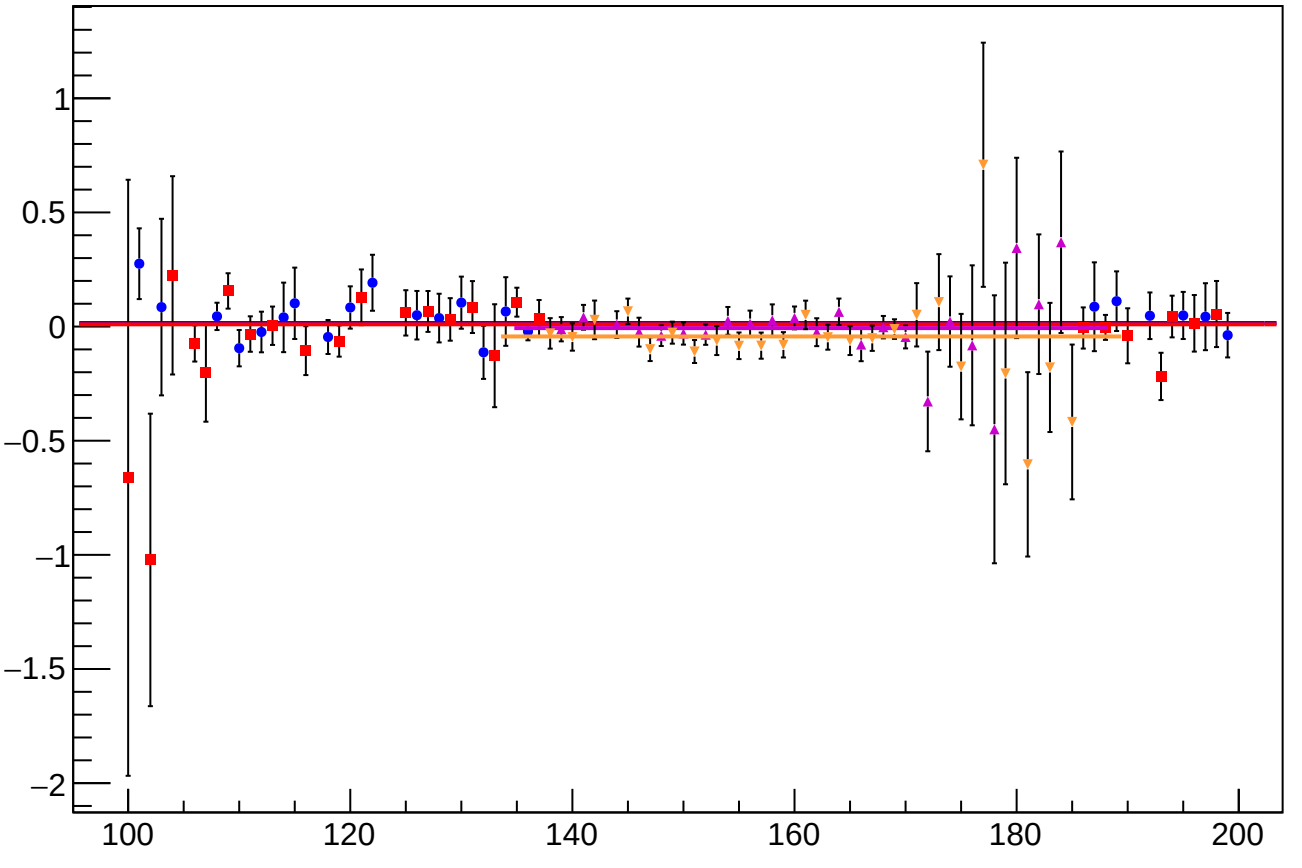
Right Out: 0.000+/-0.000 χ^2/NDF: 5005005.5/24

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9095593.9/45

All: 0.000+/-0.000 χ^2/NDF: 17959490.3/93

- sign 0.000+/-0.000 χ^2/NDF: 8745546.0/47



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

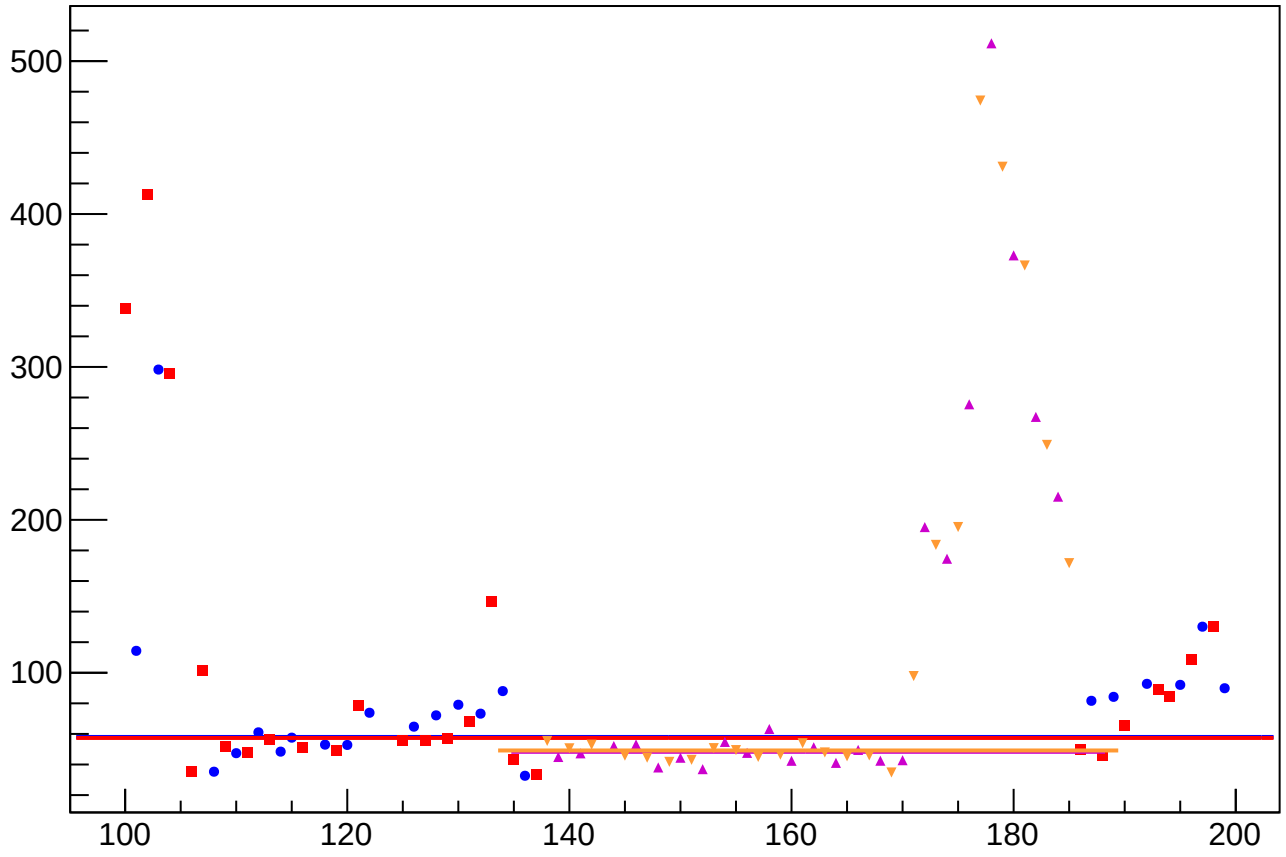
Right Out: 0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/45

All: -0.012+/-0.008 χ^2/NDF: 73.2/93

- sign -0.001+/-0.011 χ^2/NDF: 33.4/47



Right In: 58.013+/-0.014 χ^2/NDF: 3750779.1/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

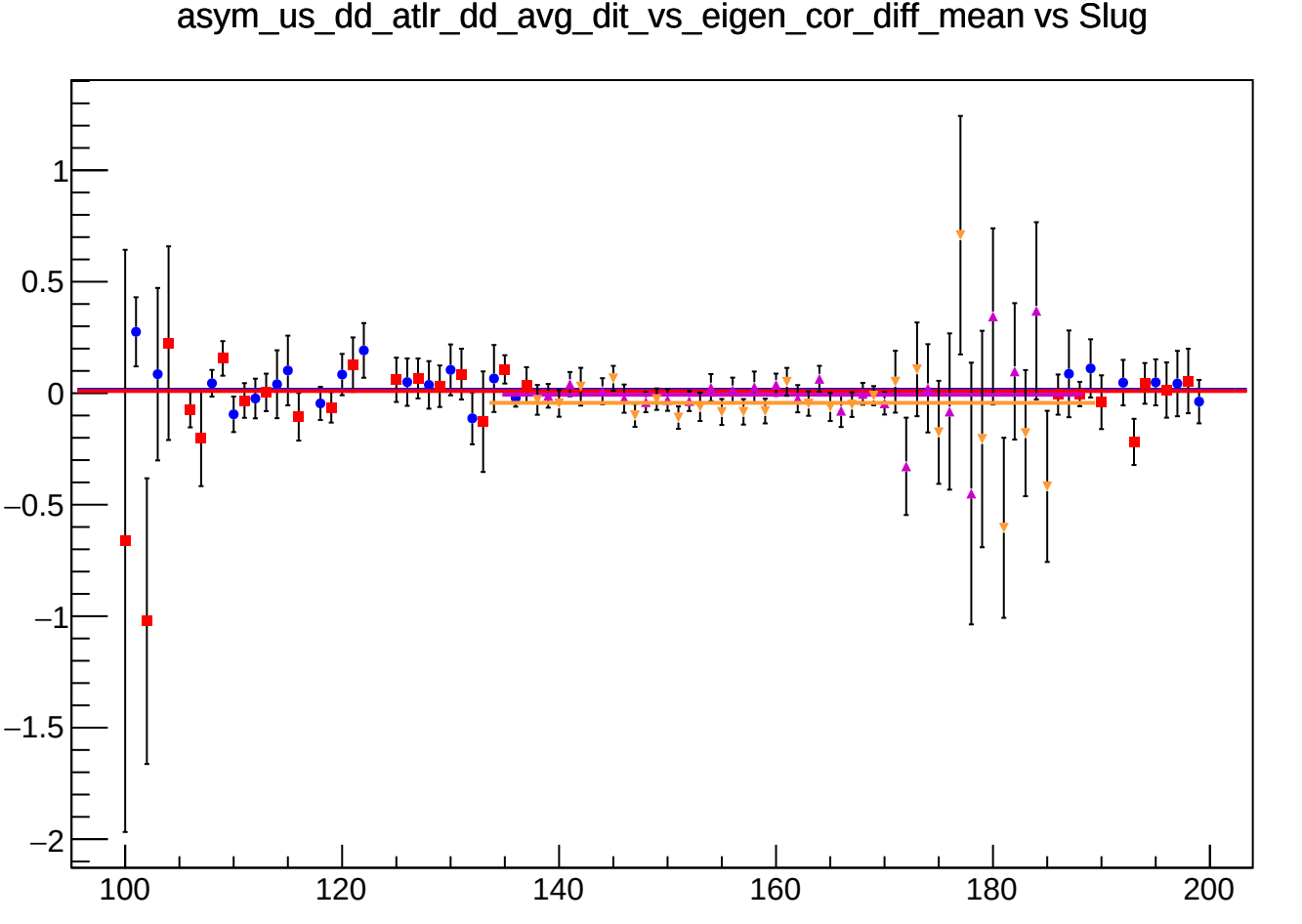
Right Out: 57.372+/-0.014 χ^2/NDF: 3620188.7/24

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 52.072+/-0.008 χ^2/NDF: 11265045.8/45

All: 51.685+/-0.006 χ^2/NDF: 22229267.9/93

\- sign 51.322+/-0.008 χ^2/NDF: 10959760.2/47



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

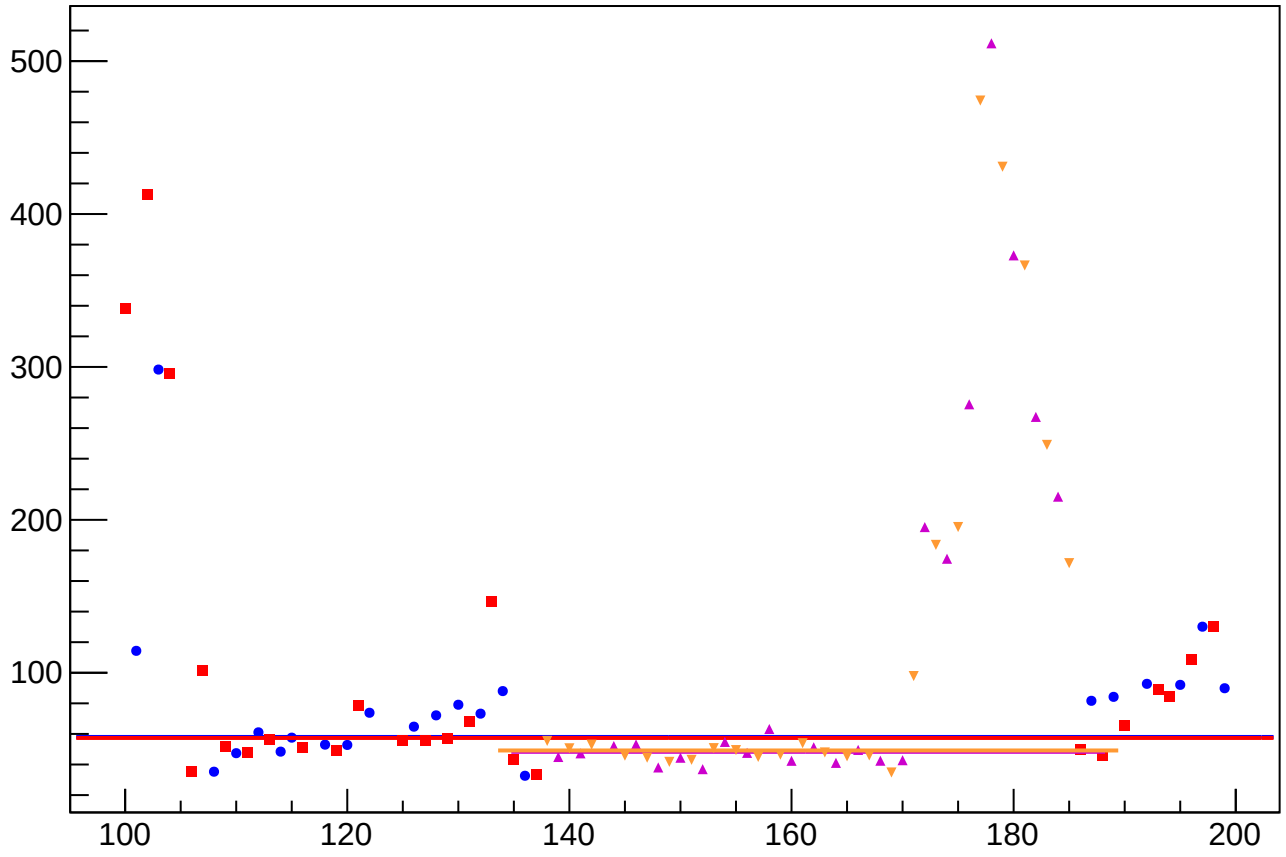
Right Out: 0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/45

All: -0.012+/-0.008 χ^2/NDF: 73.2/93

- sign -0.001+/-0.011 χ^2/NDF: 33.4/47



Right In: 58.013+/-0.014 χ^2/NDF: 3750779.1/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

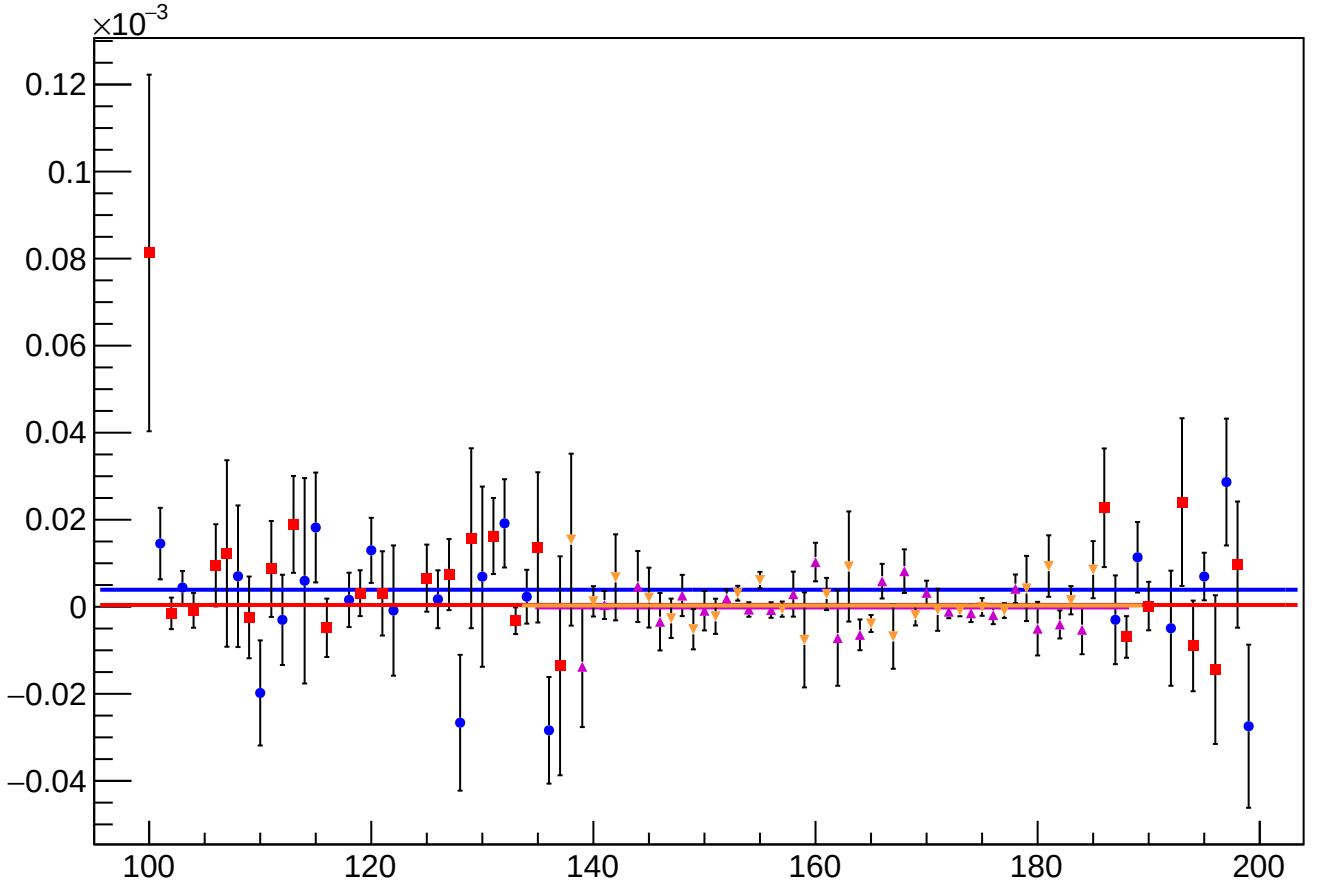
Right Out: 57.372+/-0.014 χ^2/NDF: 3620188.7/24

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 52.072+/-0.008 χ^2/NDF: 11265045.8/45

All: 51.685+/-0.006 χ^2/NDF: 22229267.9/93

\- sign 51.322+/-0.008 χ^2/NDF: 10959760.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

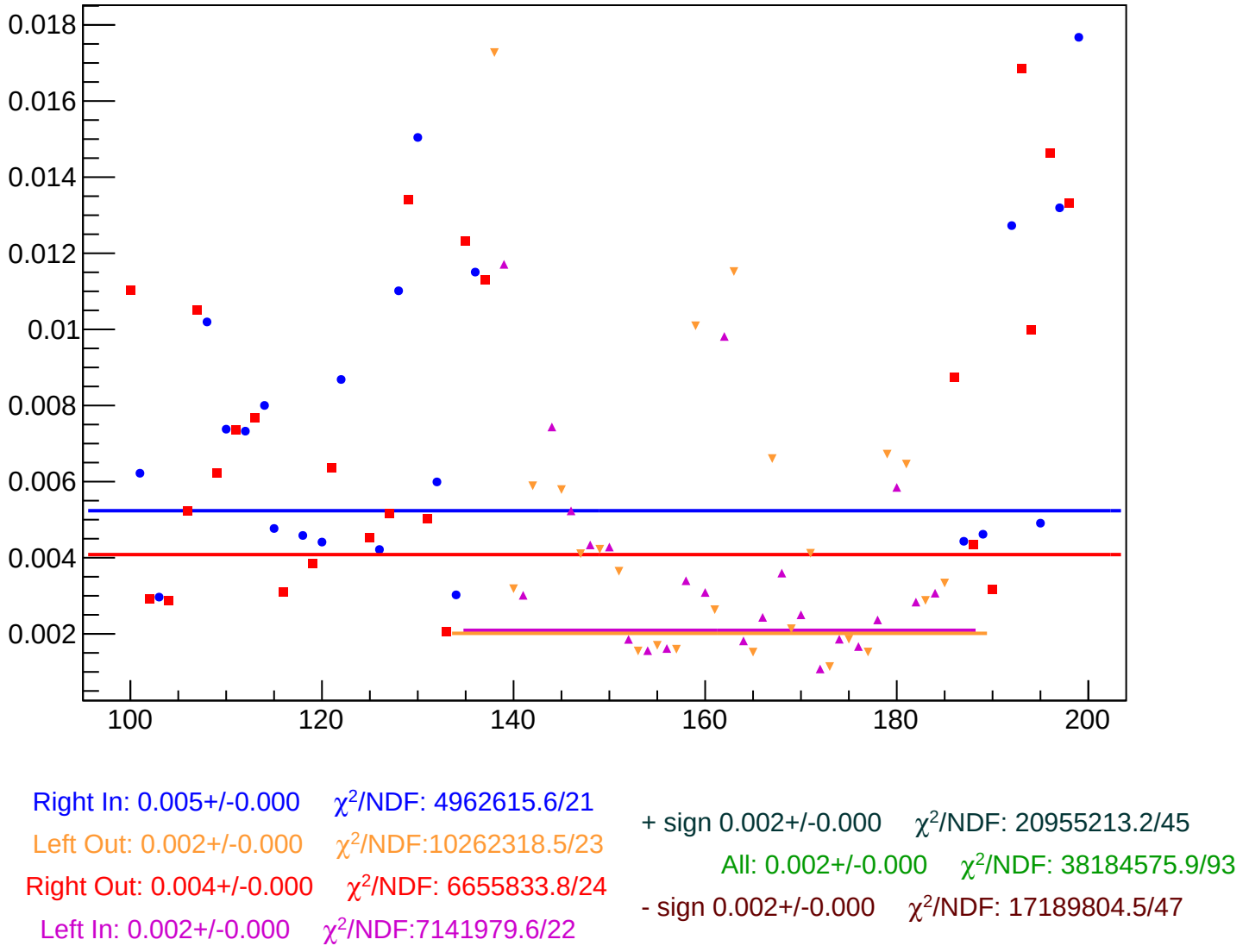
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/24

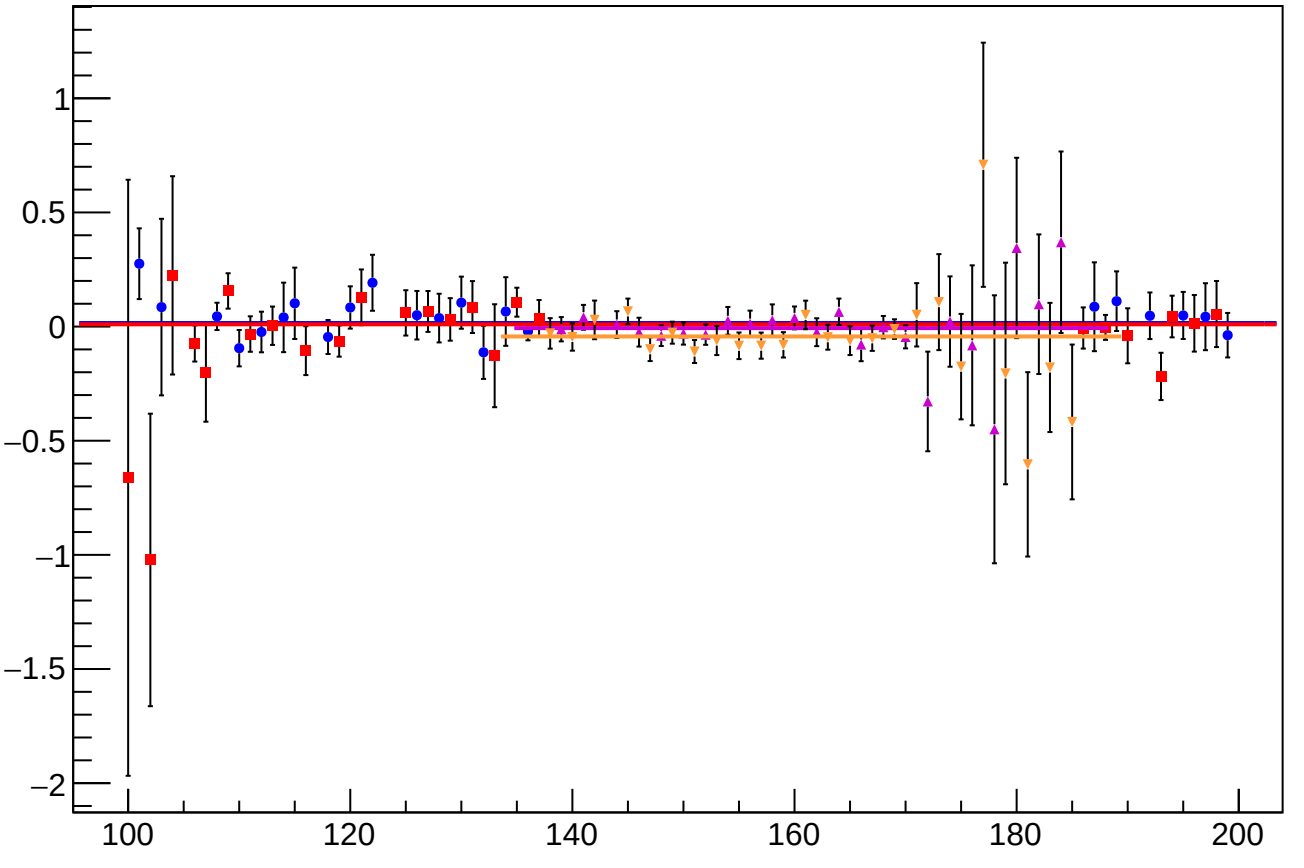
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/45

All: 0.000+/-0.000 χ^2/NDF: 114.6/93

- sign -0.000+/-0.000 χ^2/NDF: 51.3/47


asym_us_dd_atlr_dd_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
100
120
140
160
180
200
Right In: 0.005+/-0.000 χ²/NDF: 4962615.6/21
Left Out: 0.002+/-0.000 χ²/NDF:10262318.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 6655833.8/24
Left In: 0.002+/-0.000 χ²/NDF:7141979.6/22
+ sign 0.002+/-0.000 χ²/NDF: 20955213.2/45
All: 0.002+/-0.000 χ²/NDF: 38184575.9/93
- sign 0.002+/-0.000 χ²/NDF: 17189804.5/47



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

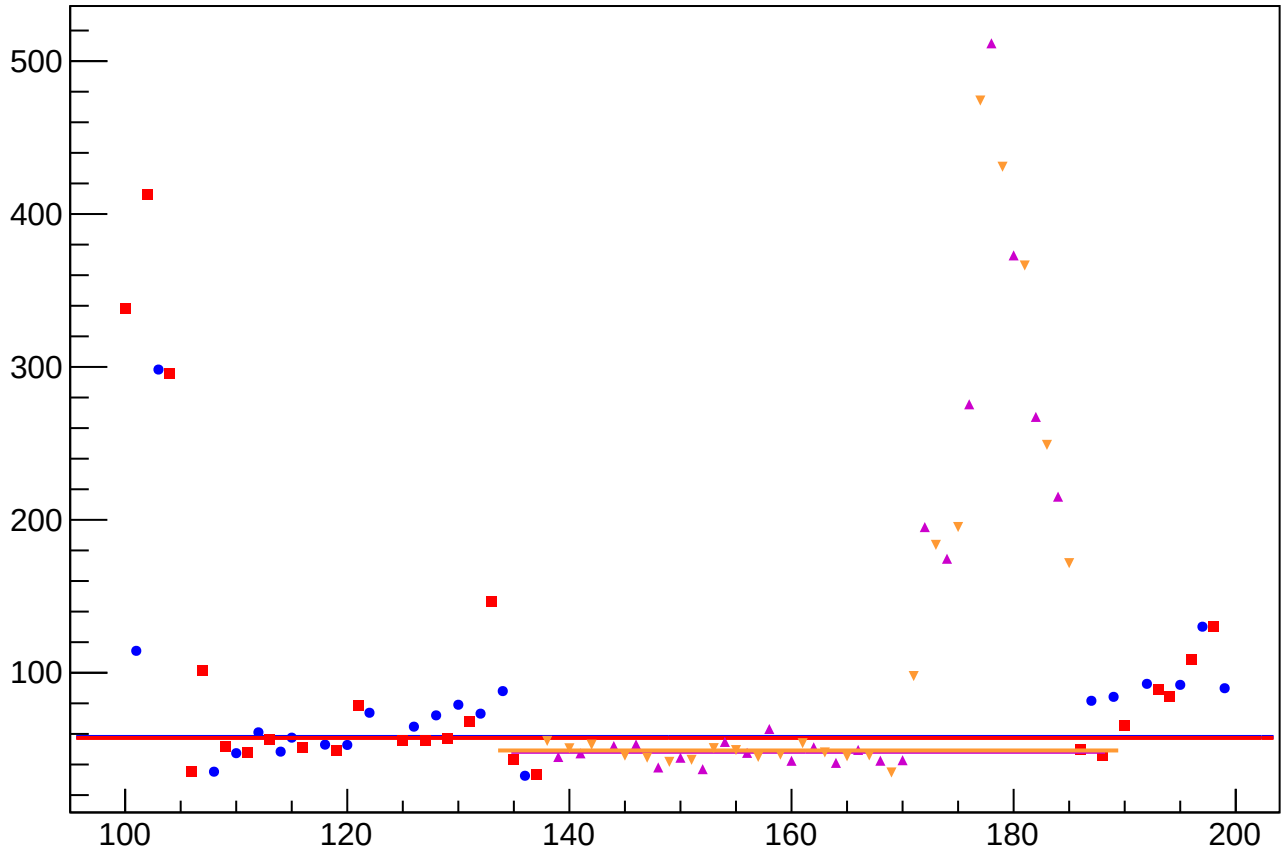
Right Out: 0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/45

All: -0.012+/-0.008 χ^2/NDF: 73.2/93

- sign -0.001+/-0.011 χ^2/NDF: 33.4/47



Right In: 58.014+/-0.014 χ^2/NDF: 3750630.2/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

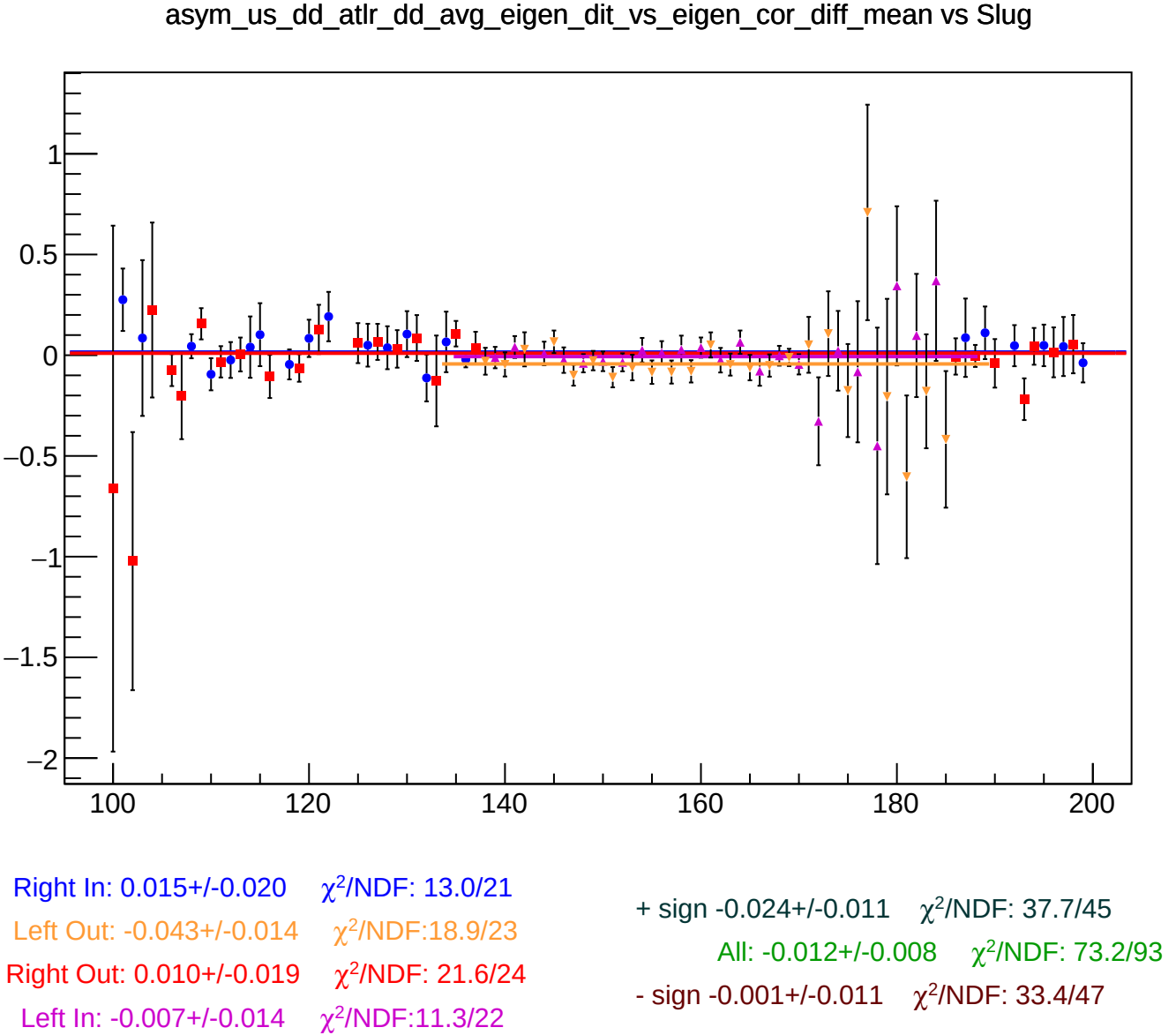
Right Out: 57.372+/-0.014 χ^2/NDF: 3620035.5/24

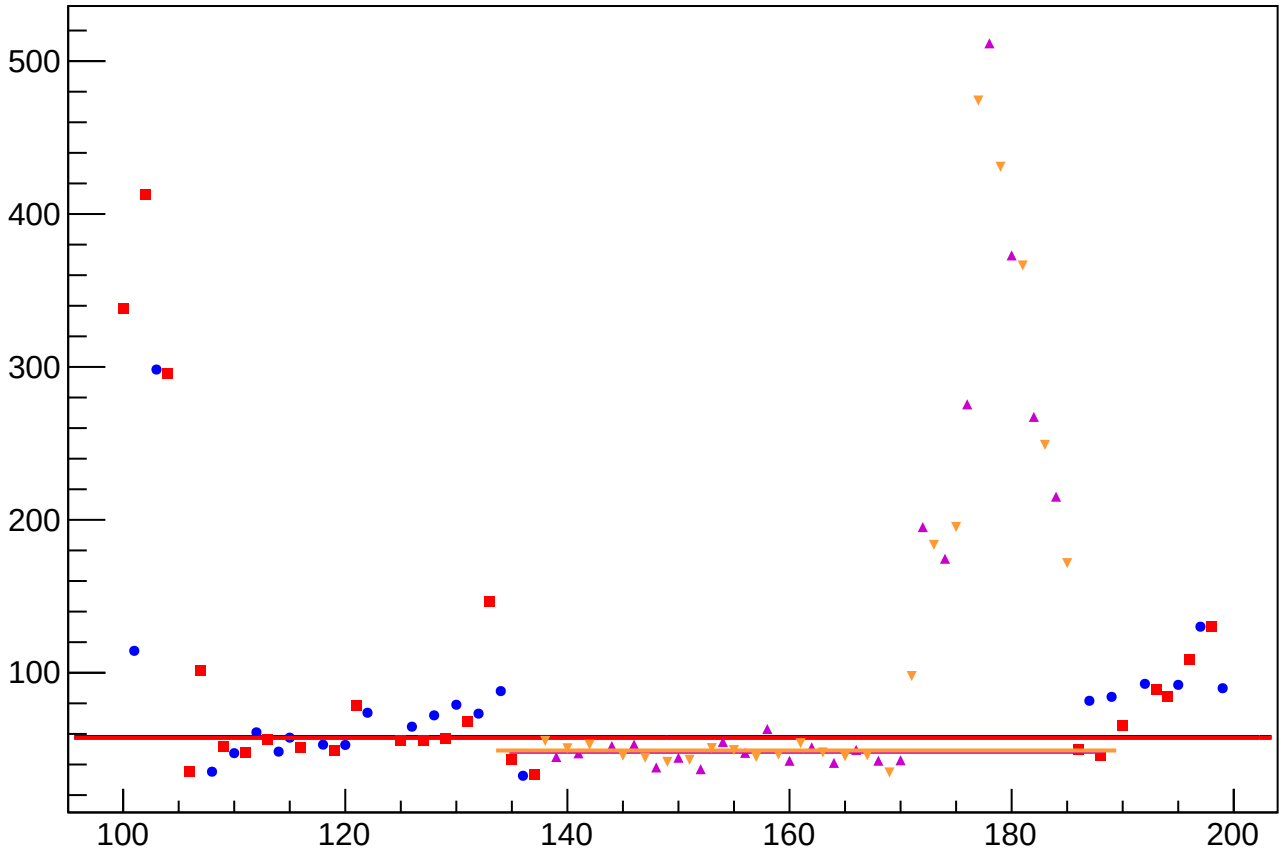
Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 52.071+/-0.008 χ^2/NDF: 11264955.0/45

All: 51.685+/-0.006 χ^2/NDF: 22228963.4/93

- sign 51.322+/-0.008 χ^2/NDF: 10959552.4/47


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
Right In: 0.015+/-0.020 χ²/NDF: 13.0/21
Left Out: -0.043+/-0.014 χ²/NDF:18.9/23
Right Out: 0.010+/-0.019 χ²/NDF: 21.6/24
Left In: -0.007+/-0.014 χ²/NDF:11.3/22
+ sign -0.024+/-0.011 χ²/NDF: 37.7/45
All: -0.012+/-0.008 χ²/NDF: 73.2/93
- sign -0.001+/-0.011 χ²/NDF: 33.4/47



Right In: 58.014+/-0.014 χ^2/NDF: 3750630.2/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

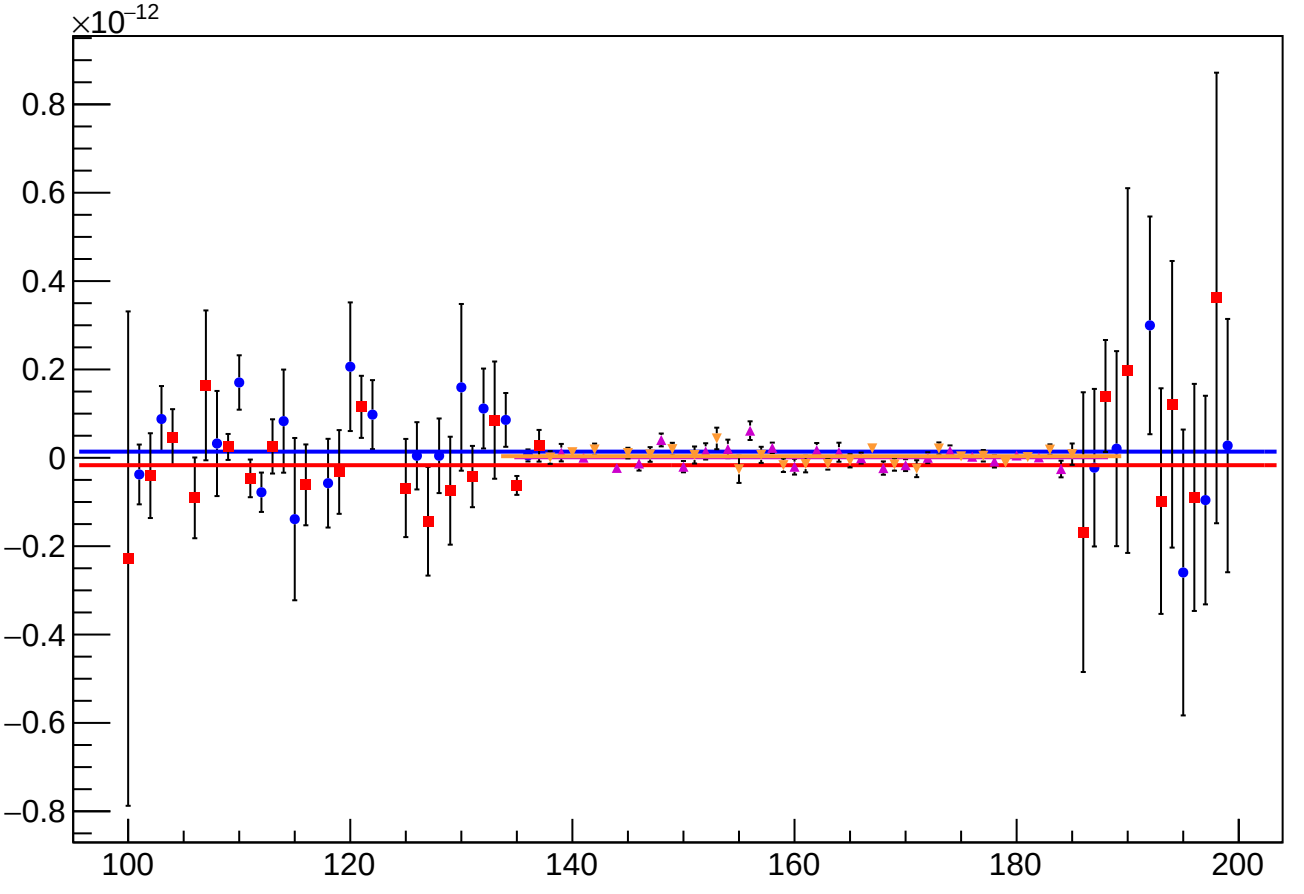
Right Out: 57.372+/-0.014 χ^2/NDF: 3620035.5/24

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 52.071+/-0.008 χ^2/NDF: 11264955.0/45

All: 51.685+/-0.006 χ^2/NDF: 22228963.4/93

- sign 51.322+/-0.008 χ^2/NDF: 10959552.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

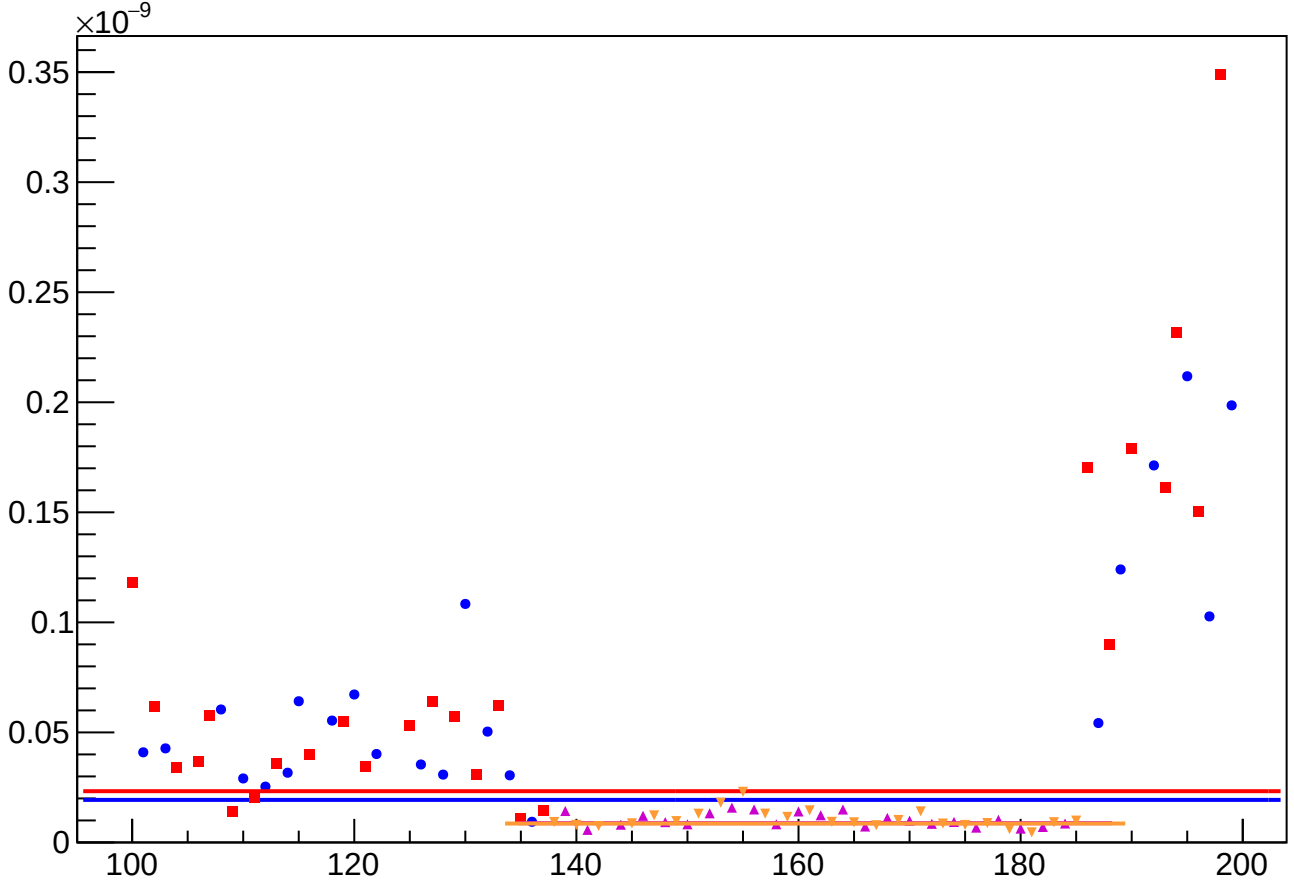
Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/24

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.0/45

All: 0.000+/-0.000 χ^2/NDF: 112.1/93

- sign 0.000+/-0.000 χ^2/NDF: 63.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 6457999.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6666047.8/24

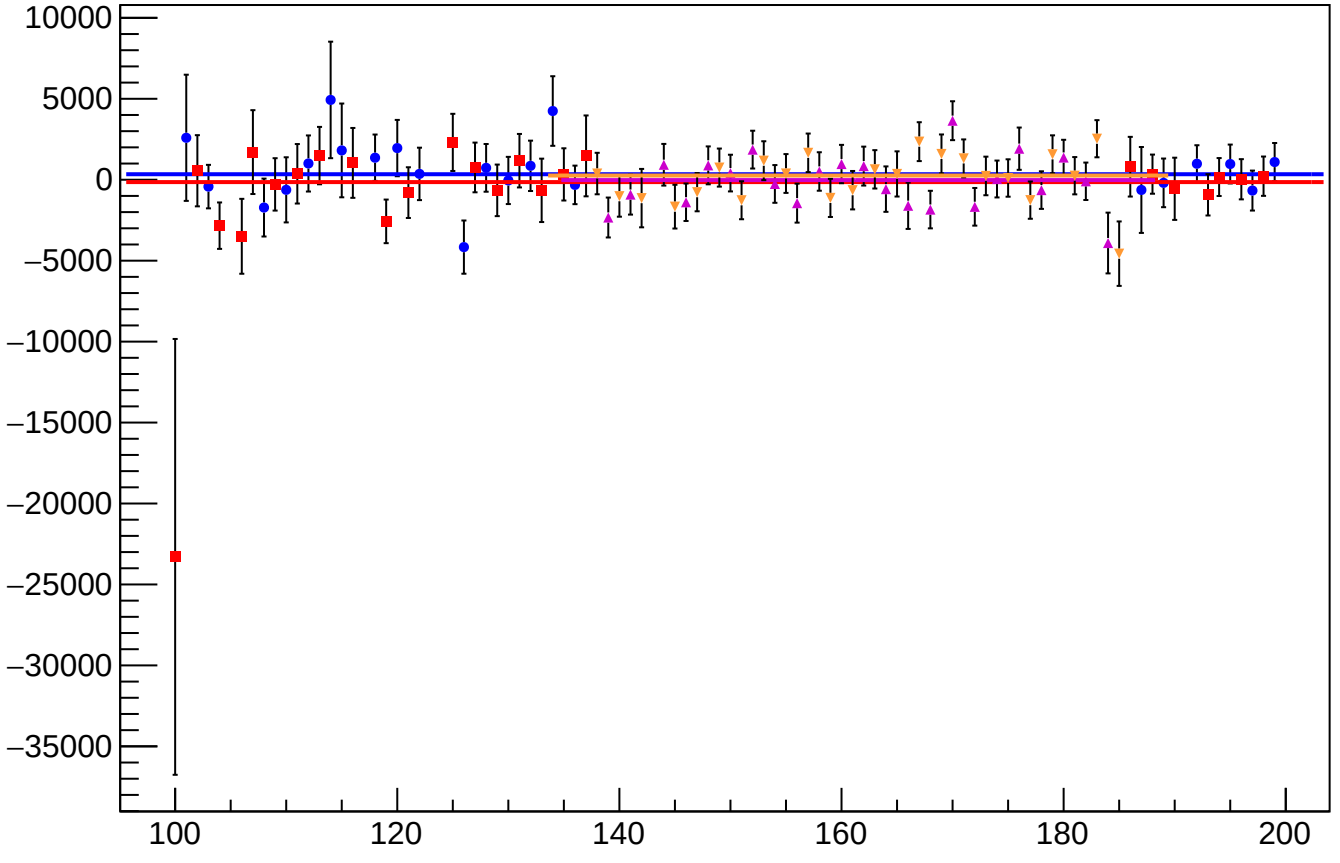
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10683661.3/45

All: 0.000+/-0.000 χ^2/NDF: 21927982.7/93

- sign 0.000+/-0.000 χ^2/NDF: 11235466.2/47

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 340.015+/-333.943 χ^2/NDF: 18.9/21

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -145.702+/-325.589 χ^2/NDF: 18.5/24

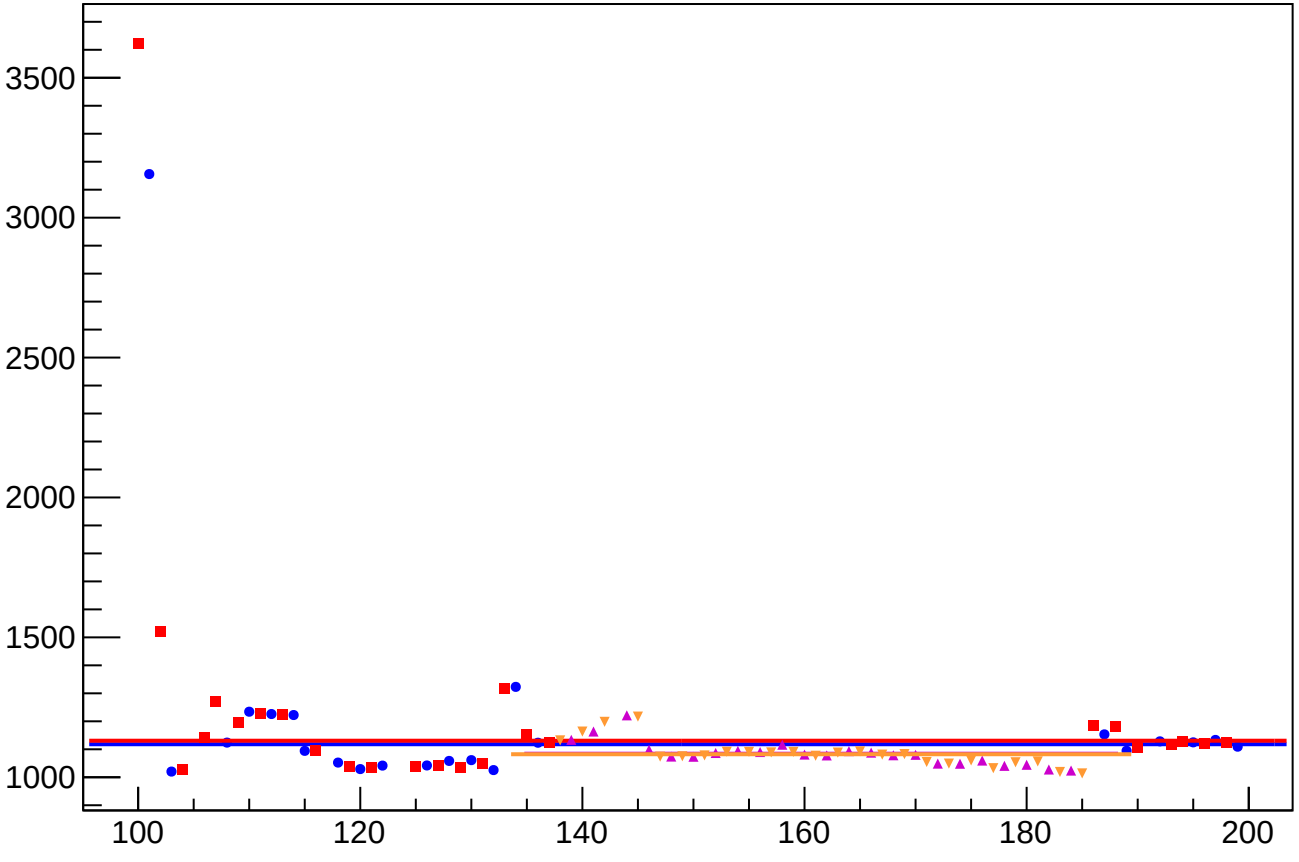
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 289.359+/-200.848 χ^2/NDF: 47.2/45

All: 109.429+/-141.699 χ^2/NDF: 103.1/93

- sign -68.877+/-199.939 χ^2/NDF: 54.4/47

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.056+/-0.236 χ^2/NDF: 624913.8/21

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

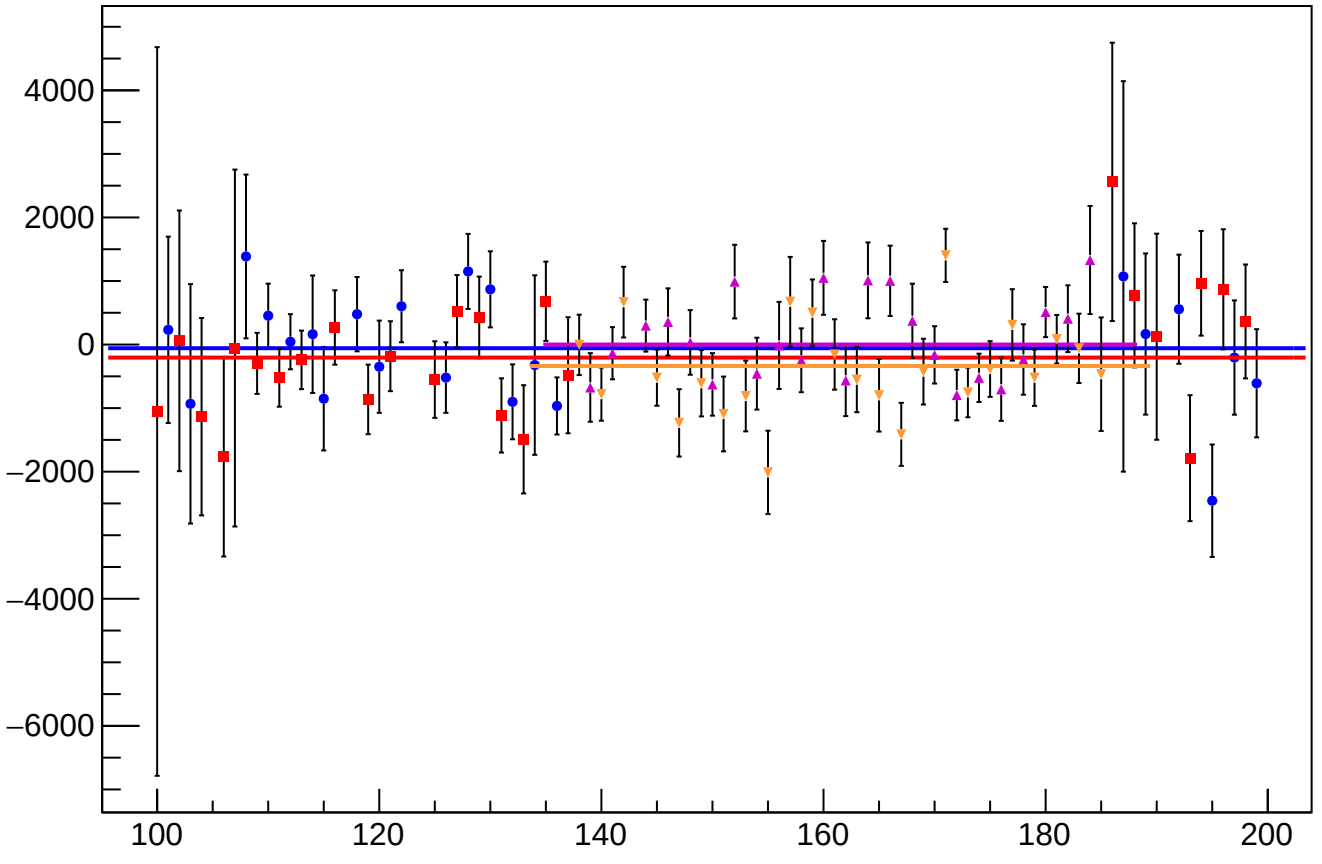
Right Out: 1130.615+/-0.230 χ^2/NDF: 228517.1/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.239+/-0.142 χ^2/NDF: 697415.5/45

All: 1098.475+/-0.100 χ^2/NDF: 1005760.0/93

- sign 1101.682+/-0.141 χ^2/NDF: 307310.8/47



Right In: -57.428+/-149.997 χ^2/NDF: 27.9/21

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

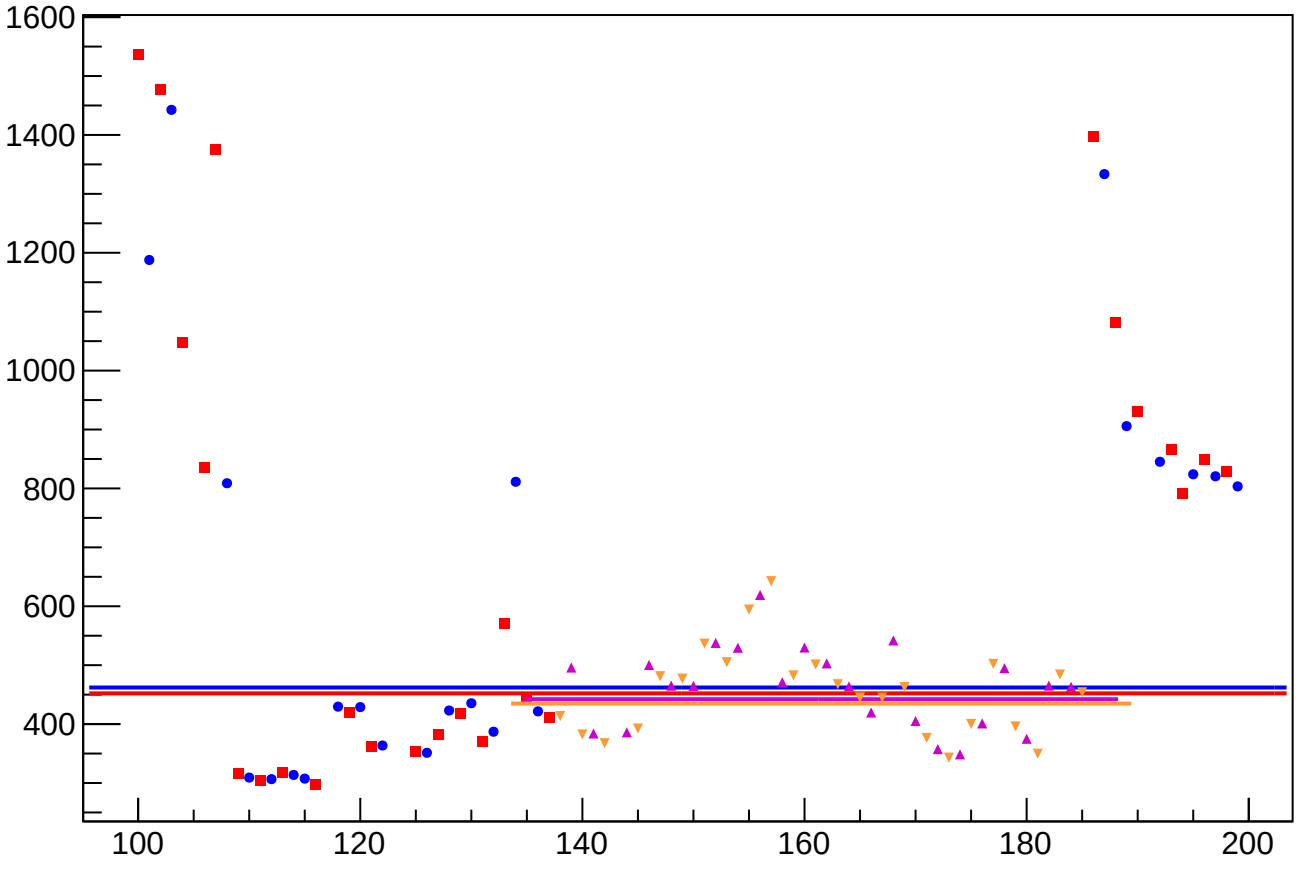
Right Out: -204.859+/-145.527 χ^2/NDF: 22.4/24

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -248.382+/-84.685 χ^2/NDF: 79.1/45

All: -159.301+/-59.995 χ^2/NDF: 136.9/93

- sign -69.540+/-85.007 χ^2/NDF: 55.6/47



Right In: 462.097+/-0.106 χ^2/NDF: 3854304.6/21

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 452.153+/-0.103 χ^2/NDF: 4676378.3/24

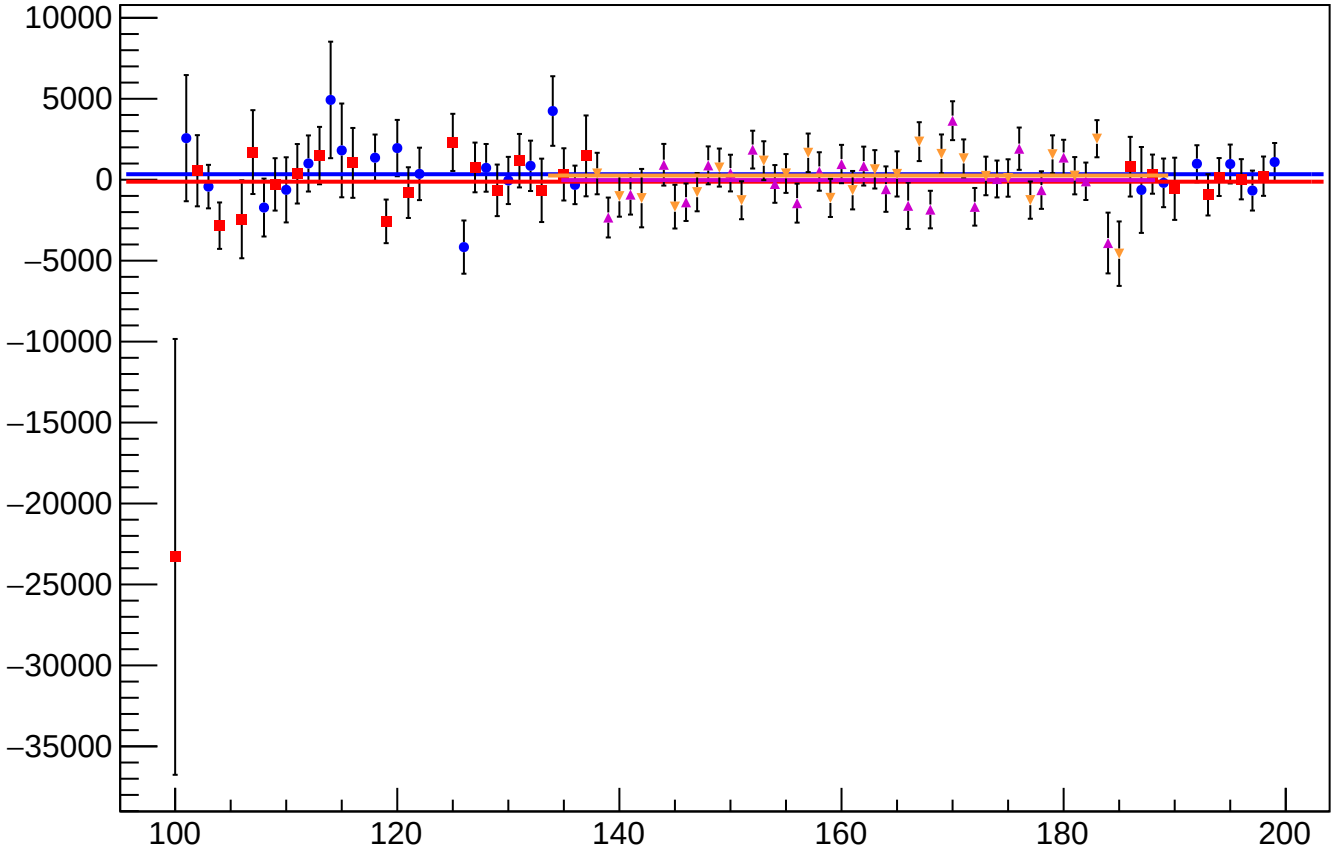
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 443.541+/-0.060 χ^2/NDF: 4777650.4/45

All: 444.567+/-0.042 χ^2/NDF: 10286744.1/93

- sign 445.602+/-0.060 χ^2/NDF: 5508503.4/47

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 339.842+/-333.943 χ^2/NDF: 18.9/21

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -121.319+/-325.838 χ^2/NDF: 17.3/24

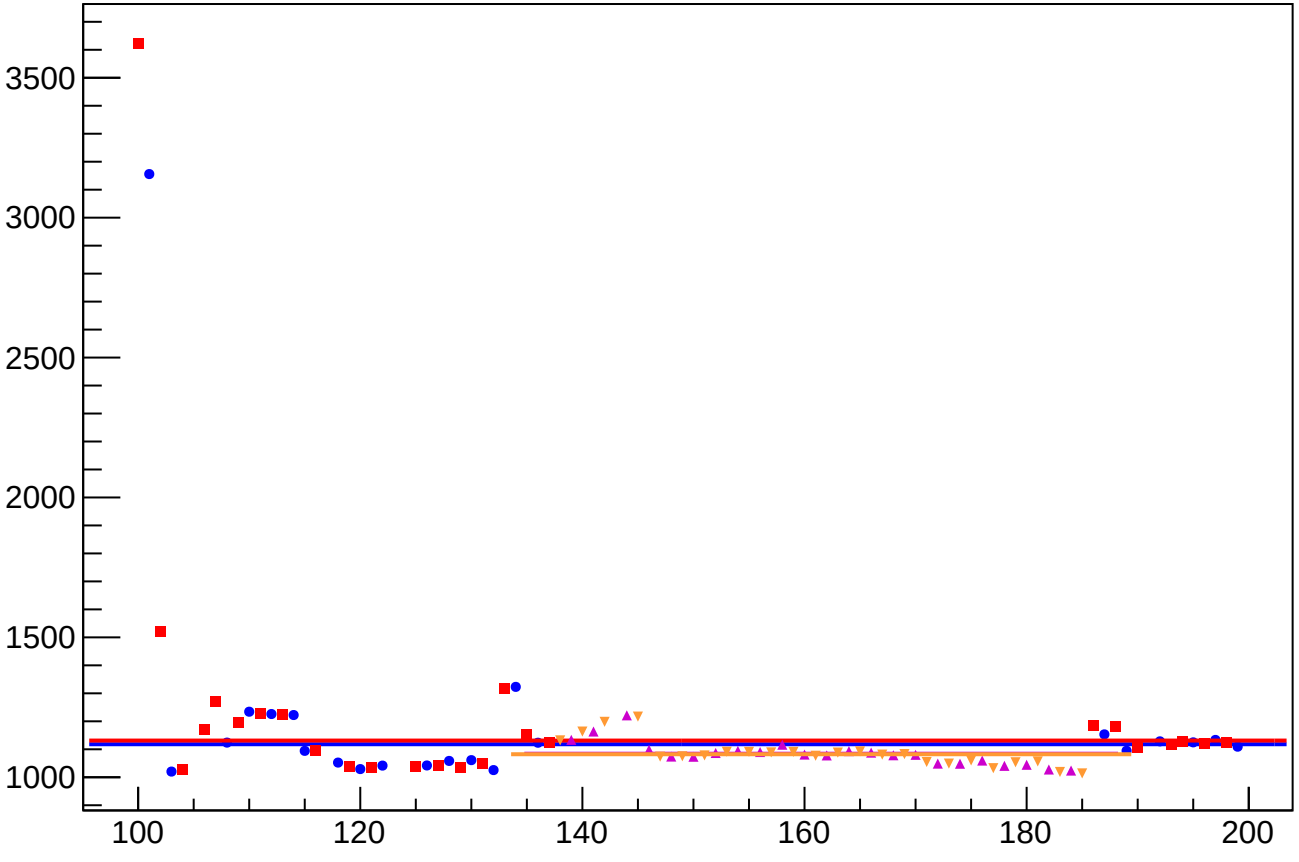
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 289.290+/-200.848 χ^2/NDF: 47.2/45

All: 114.082+/-141.719 χ^2/NDF: 101.8/93

- sign -59.644+/-199.997 χ^2/NDF: 53.1/47

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.056+/-0.236 χ^2/NDF: 624914.8/21

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

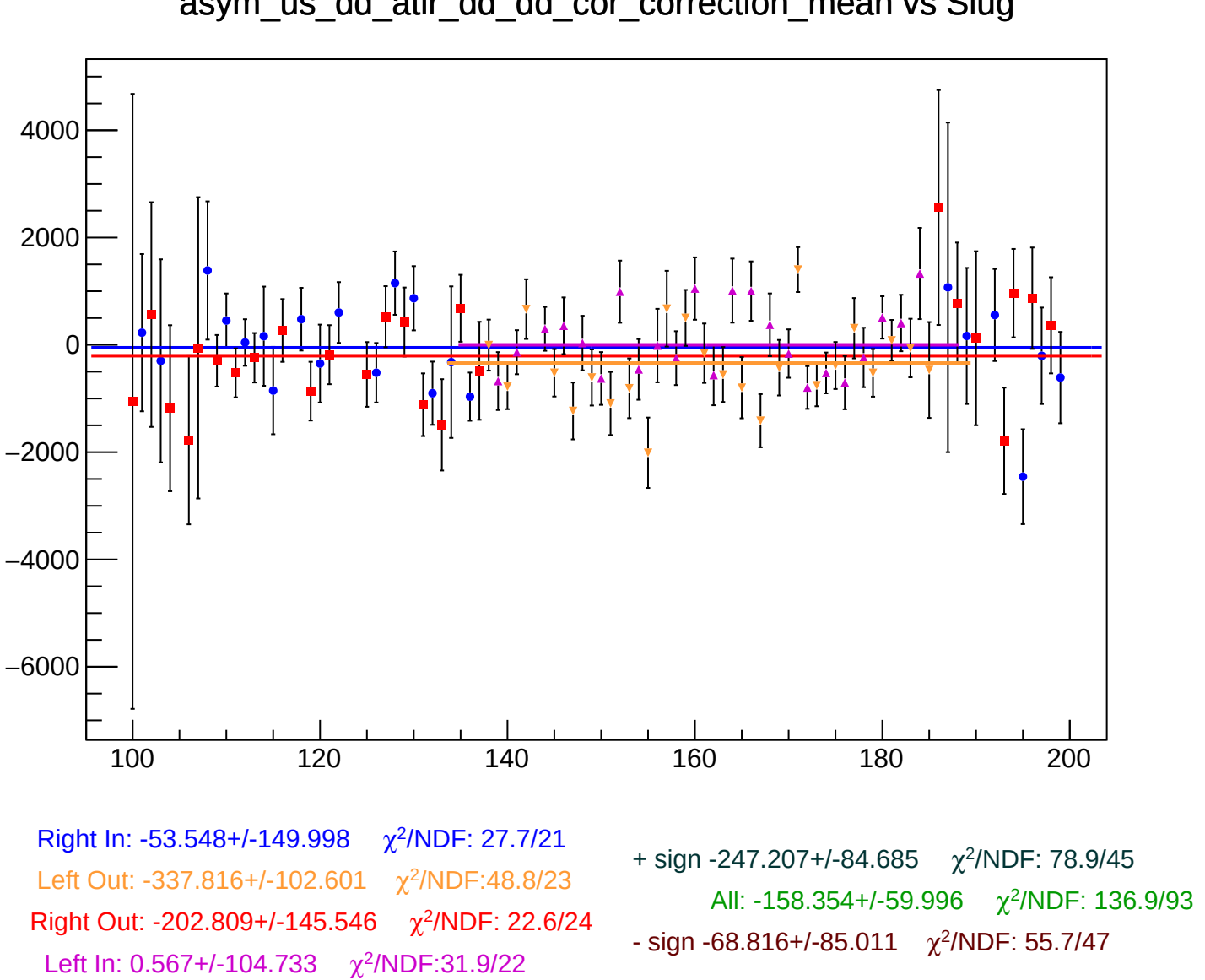
Right Out: 1131.174+/-0.230 χ^2/NDF: 229059.0/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

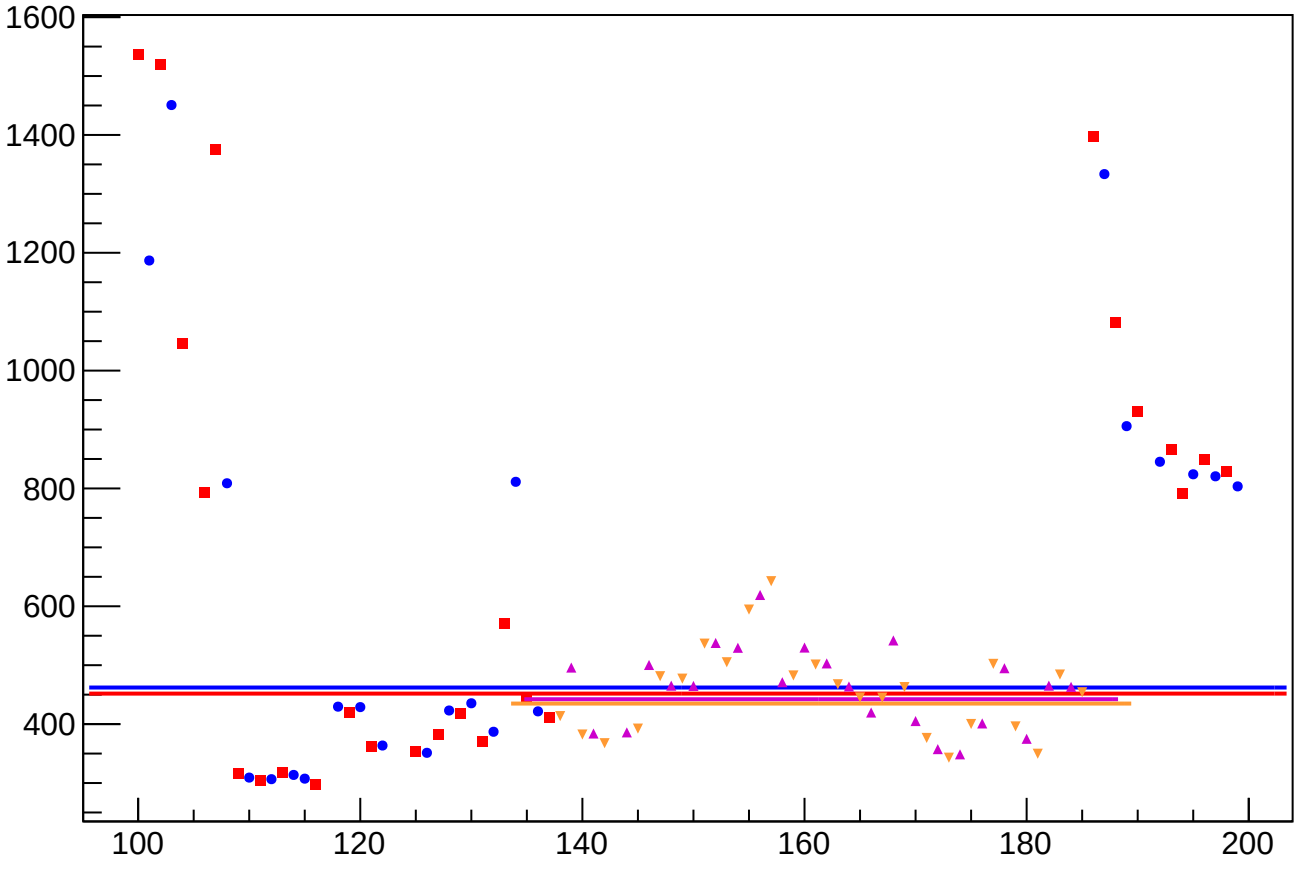
+ sign 1095.239+/-0.142 χ^2/NDF: 697416.4/45

All: 1098.572+/-0.100 χ^2/NDF: 1006954.7/93

- sign 1101.876+/-0.141 χ^2/NDF: 308441.7/47


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -53.548+/-149.998 χ²/NDF: 27.7/21
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 -247.207+/-84.685 χ²/NDF: 78.9/45
All: -158.354+/-59.996 χ²/NDF: 136.9/93
- sign -68.816+/-85.011 χ²/NDF: 55.7/47

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 462.087+/-0.106 χ^2/NDF: 3858091.0/21

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 451.767+/-0.103 χ^2/NDF: 4669367.8/24

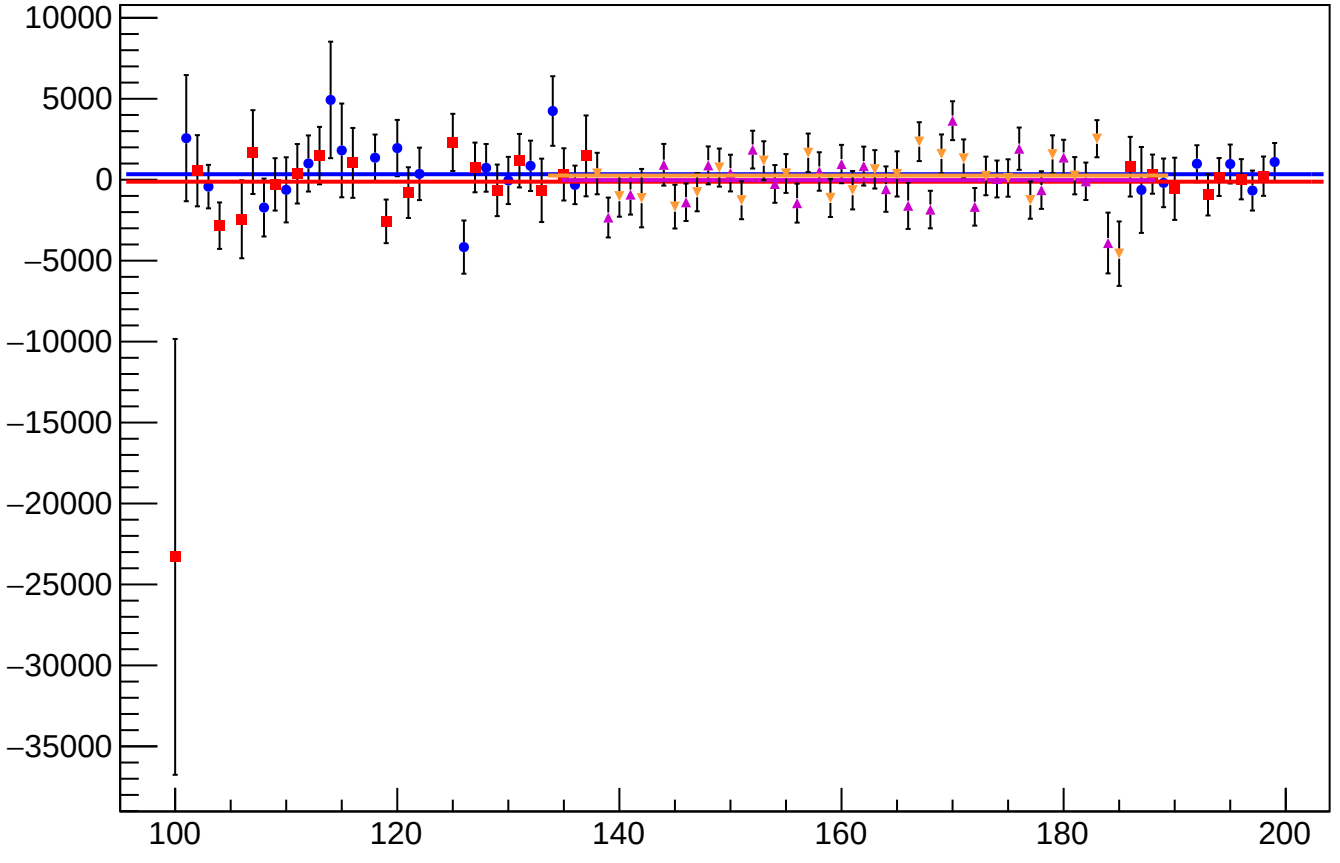
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 443.536+/-0.060 χ^2/NDF: 4781504.3/45

All: 444.499+/-0.042 χ^2/NDF: 10282918.7/93

- sign 445.470+/-0.060 χ^2/NDF: 5500894.5/47

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 339.842+/-333.943 χ^2/NDF: 18.9/21

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -121.319+/-325.838 χ^2/NDF: 17.3/24

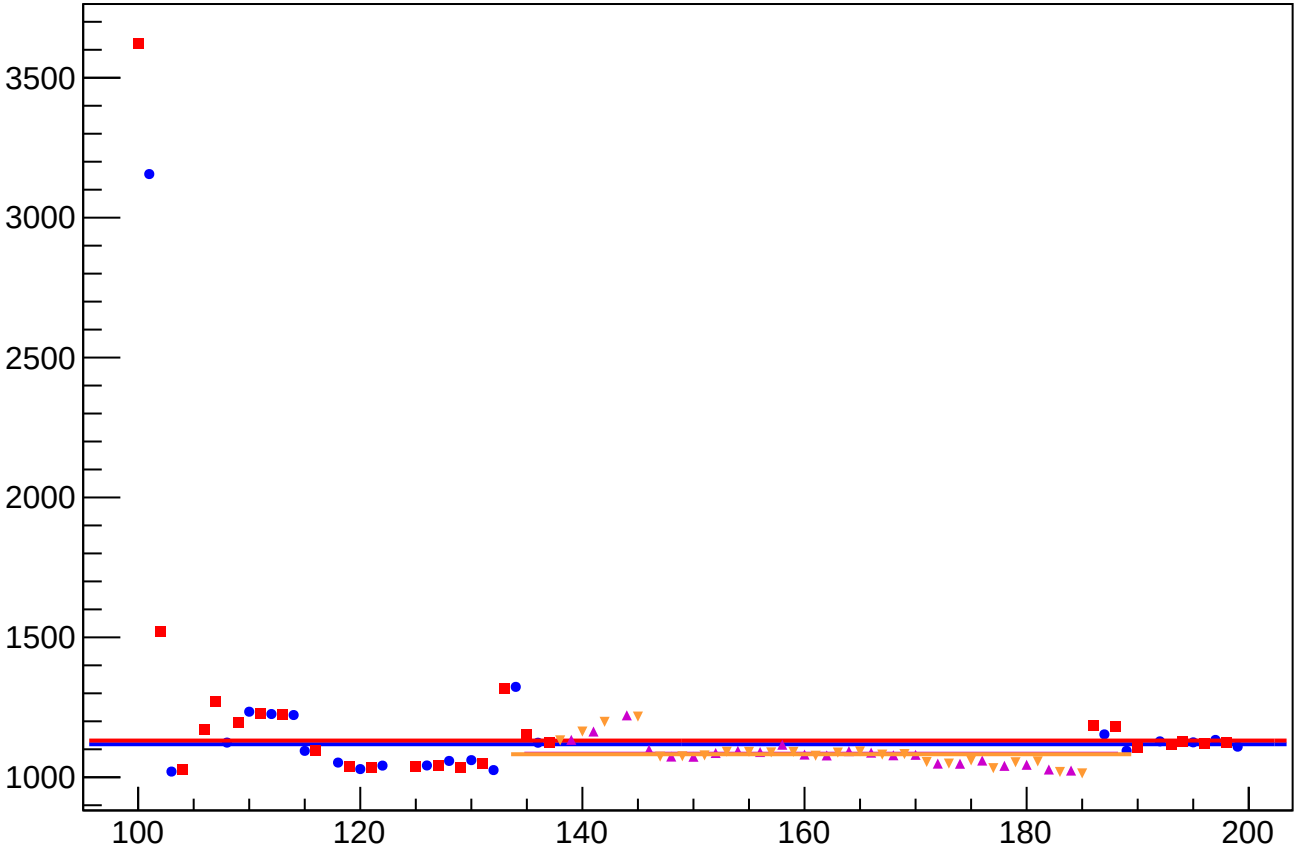
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 289.290+/-200.848 χ^2/NDF: 47.2/45

All: 114.082+/-141.719 χ^2/NDF: 101.8/93

- sign -59.644+/-199.997 χ^2/NDF: 53.1/47

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.056+/-0.236 χ^2/NDF: 624914.8/21

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

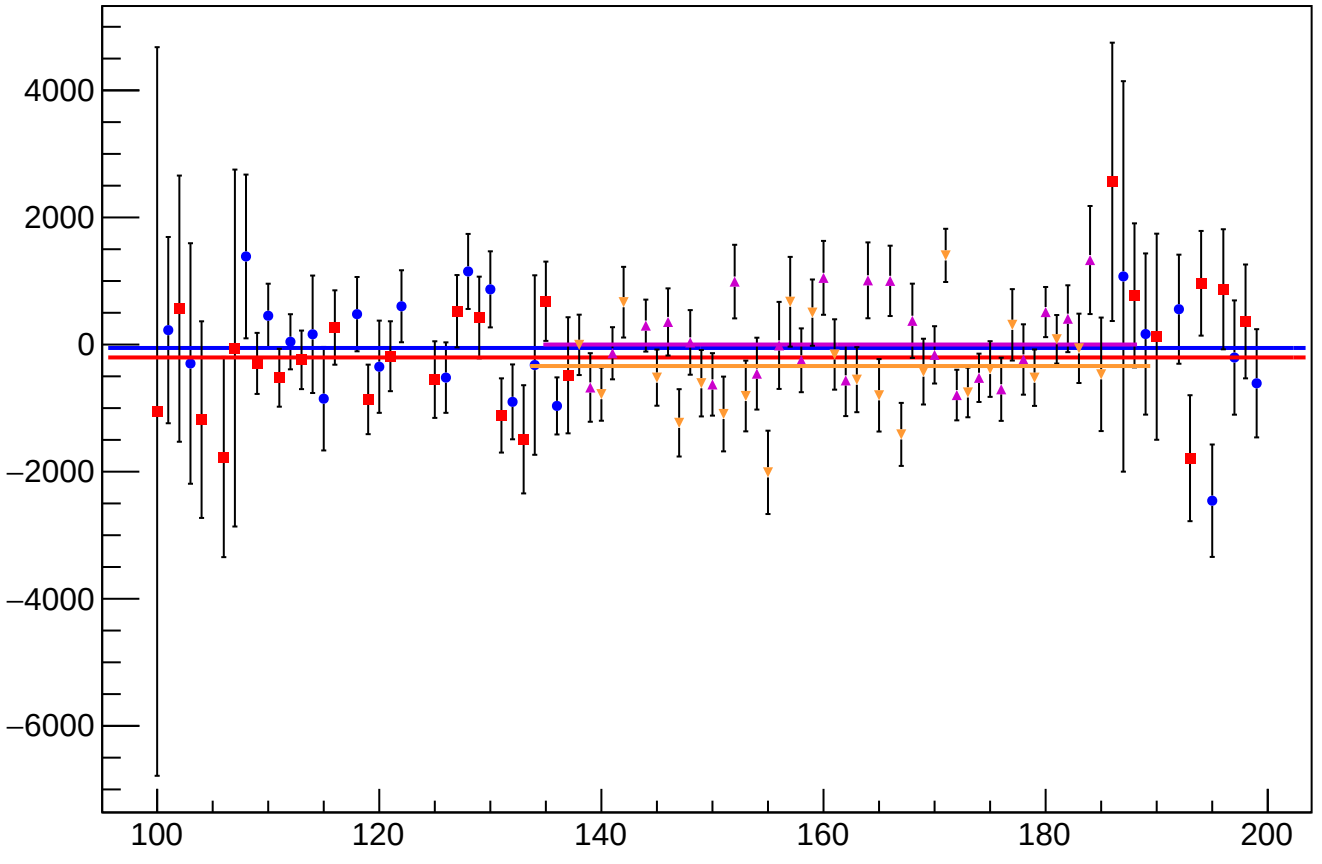
Right Out: 1131.174+/-0.230 χ^2/NDF: 229059.0/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.239+/-0.142 χ^2/NDF: 697416.4/45

All: 1098.572+/-0.100 χ^2/NDF: 1006954.7/93

- sign 1101.876+/-0.141 χ^2/NDF: 308441.7/47



Right In: -53.548+/-149.998 χ^2/NDF: 27.7/21

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

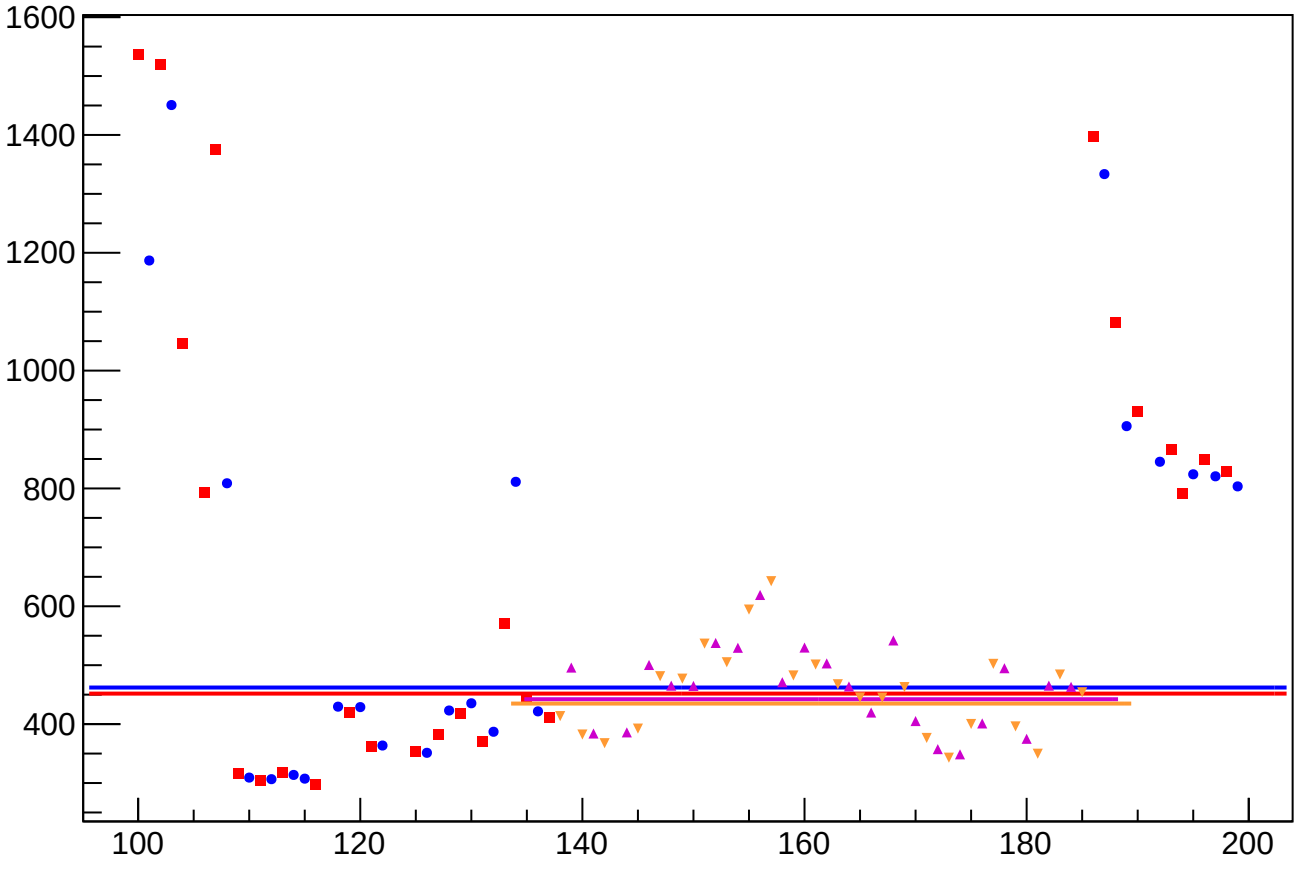
Right Out: -202.809+/-145.546 χ^2/NDF: 22.6/24

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -247.207+/-84.685 χ^2/NDF: 78.9/45

All: -158.354+/-59.996 χ^2/NDF: 136.9/93

- sign -68.816+/-85.011 χ^2/NDF: 55.7/47



Right In: 462.087+/-0.106 χ^2/NDF: 3858091.0/21

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 451.767+/-0.103 χ^2/NDF: 4669367.8/24

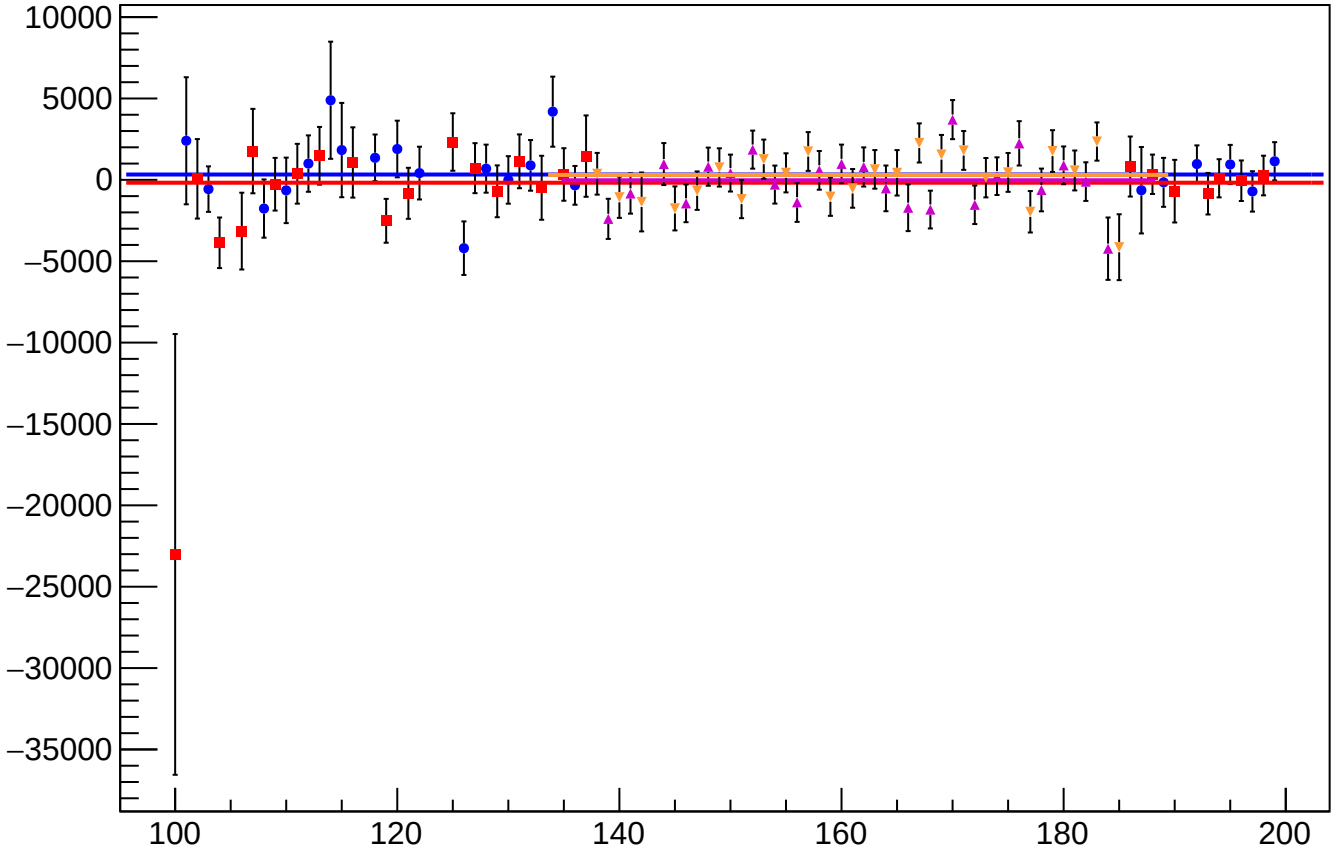
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 443.536+/-0.060 χ^2/NDF: 4781504.3/45

All: 444.499+/-0.042 χ^2/NDF: 10282918.7/93

- sign 445.470+/-0.060 χ^2/NDF: 5500894.5/47

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 327.825+/-335.149 χ^2/NDF: 19.0/21

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -175.620+/-328.006 χ^2/NDF: 19.8/24

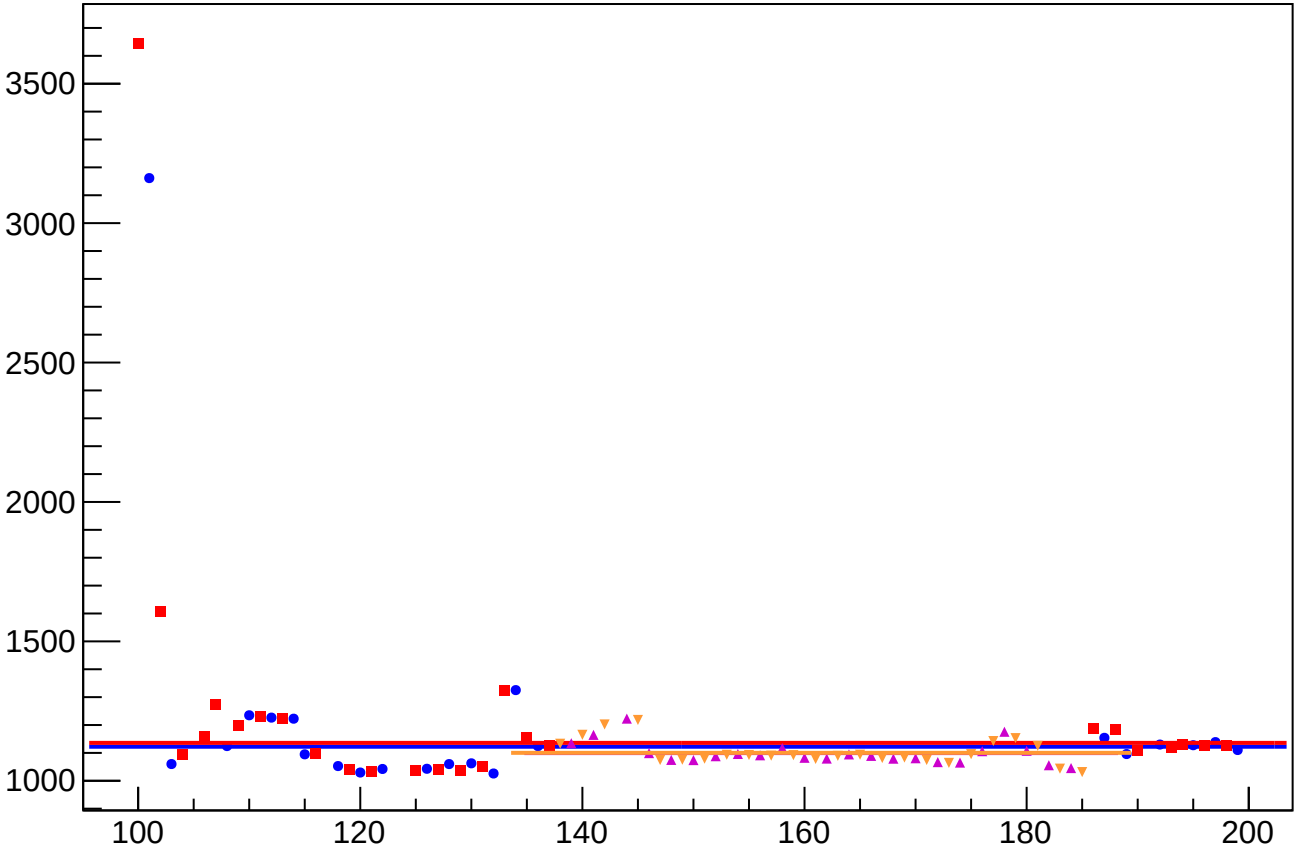
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 312.382+/-203.218 χ^2/NDF: 47.5/45

All: 114.006+/-143.347 χ^2/NDF: 105.1/93

- sign -82.454+/-202.234 χ^2/NDF: 55.8/47

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1122.168+/-0.237 χ^2/NDF: 618623.1/21

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

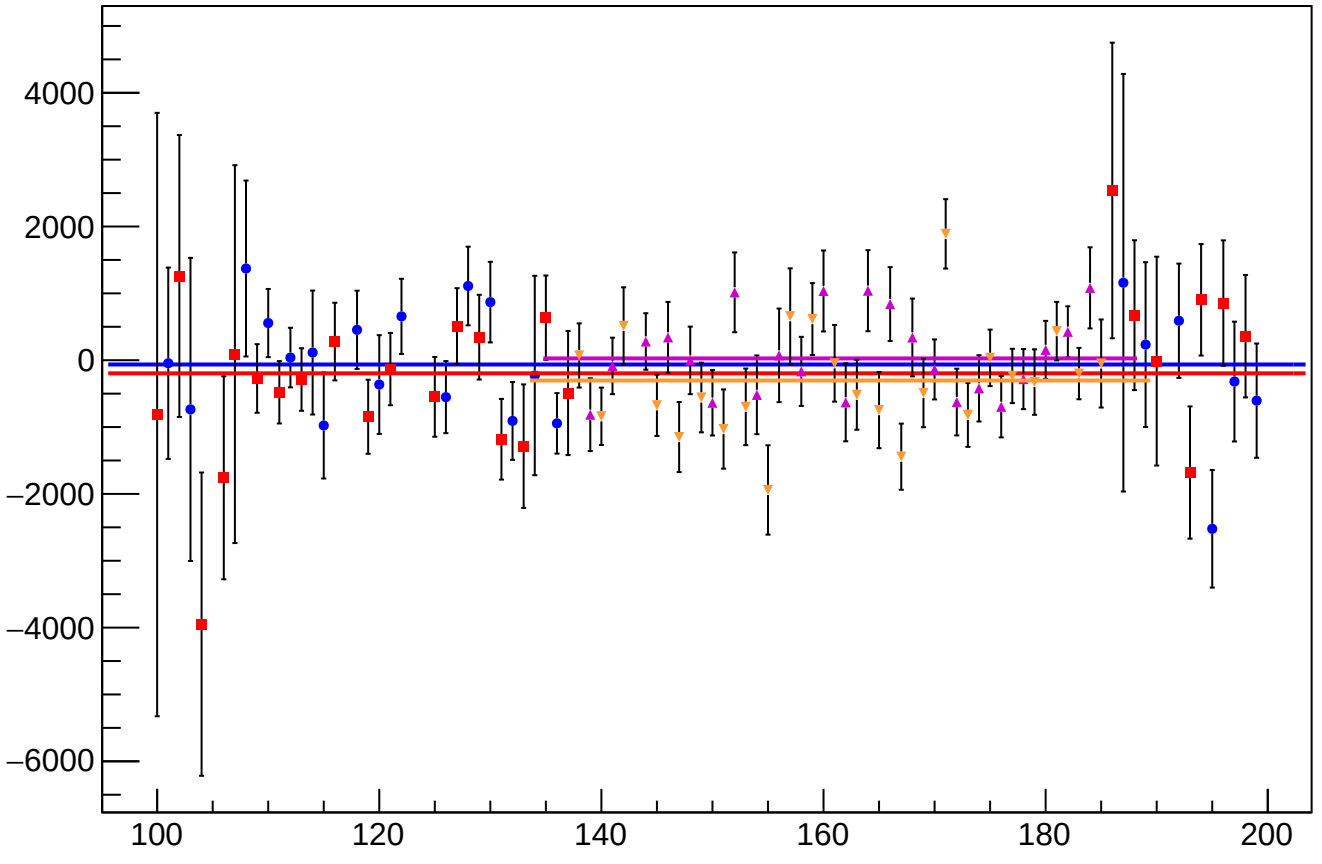
Right Out: 1135.976+/-0.232 χ^2/NDF: 233184.9/24

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1108.313+/-0.144 χ^2/NDF: 672802.0/45

All: 1110.803+/-0.101 χ^2/NDF: 966833.9/93

- sign 1113.268+/-0.143 χ^2/NDF: 293434.6/47



Right In: -63.927+/-150.390 χ^2/NDF: 29.0/21

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

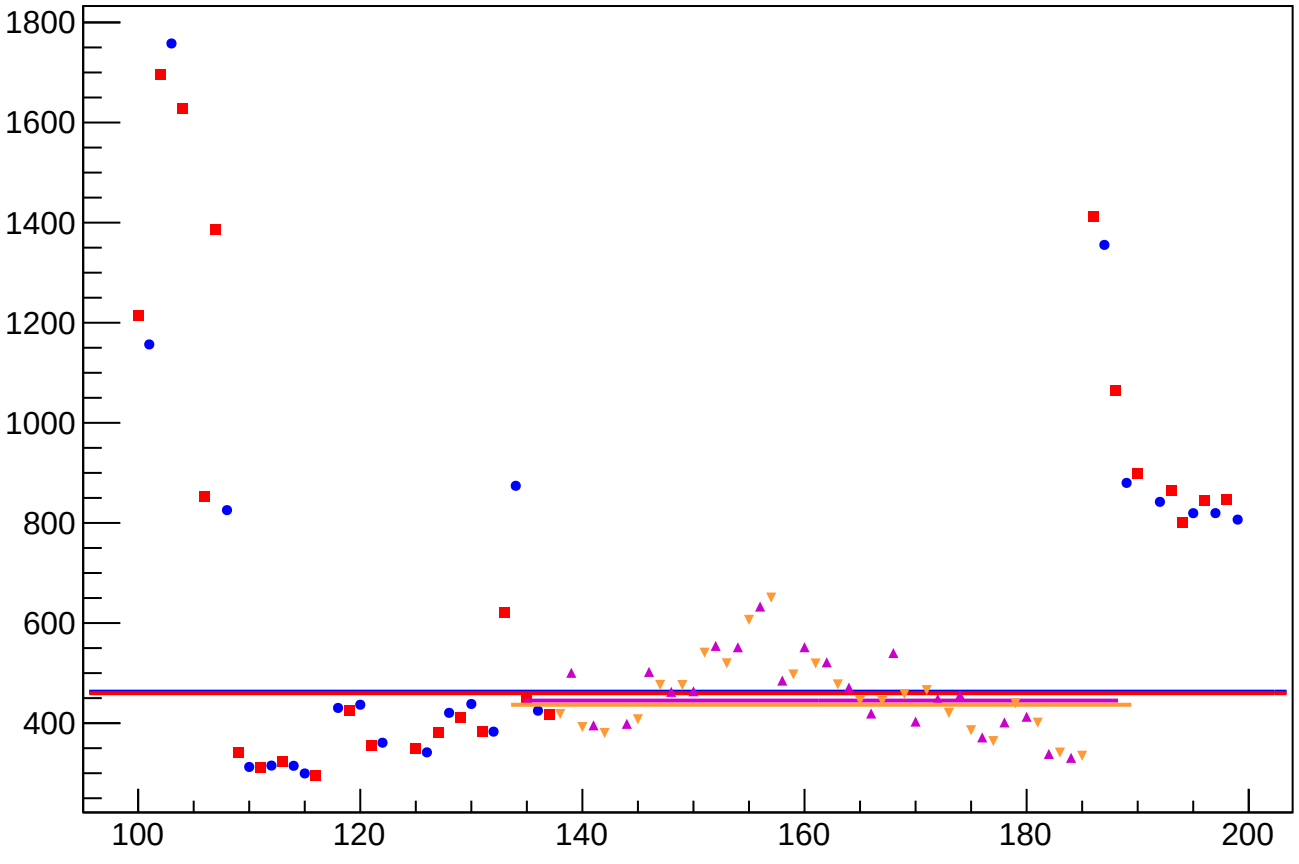
Right Out: -196.234+/-147.694 χ^2/NDF: 23.1/24

Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -226.833+/-84.968 χ^2/NDF: 80.2/45

All: -138.549+/-60.375 χ^2/NDF: 134.9/93

- sign -48.518+/-85.805 χ^2/NDF: 52.5/47



Right In: 462.893+/-0.106 χ^2/NDF: 3953389.3/21

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 459.900+/-0.104 χ^2/NDF: 5032938.3/24

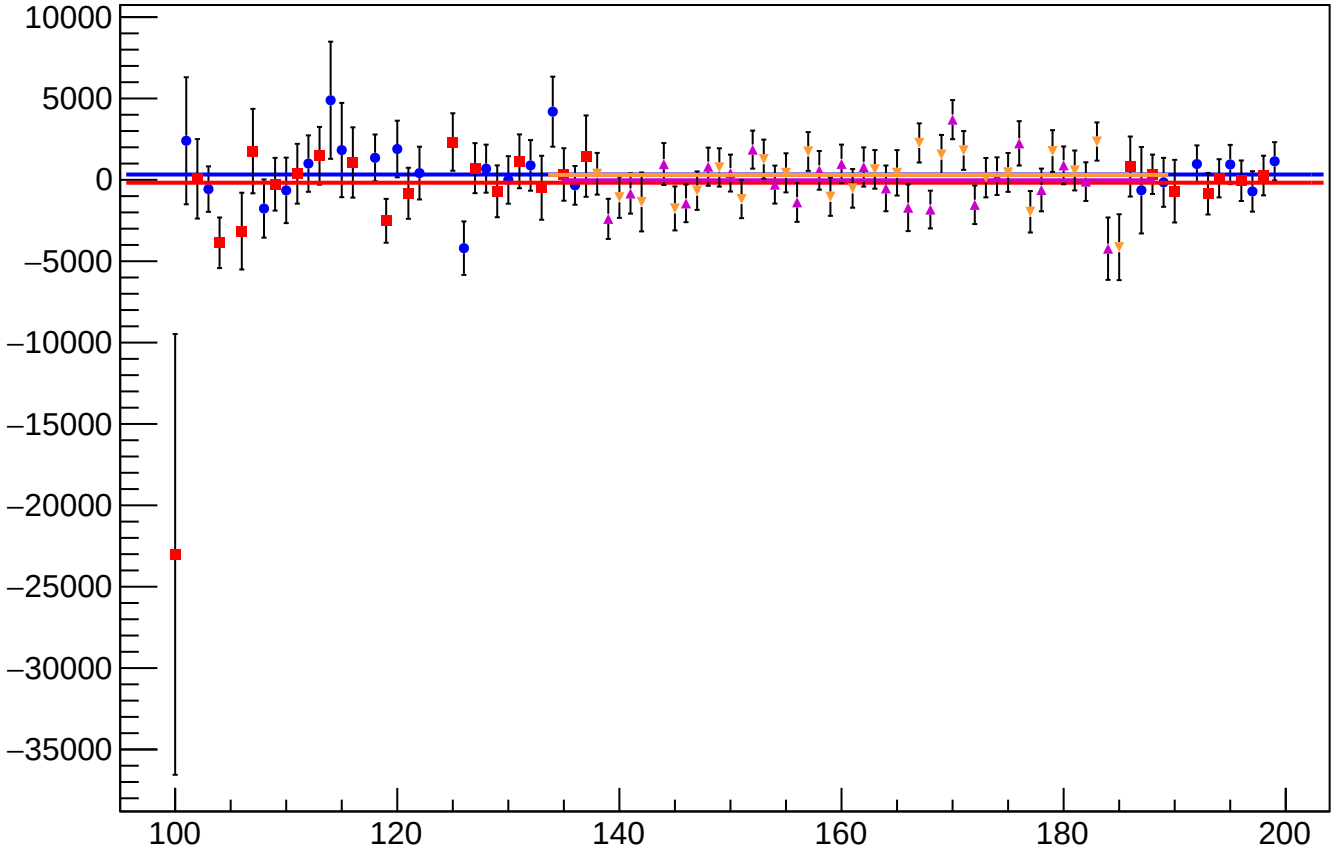
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 445.120+/-0.060 χ^2/NDF: 4849624.7/45

All: 447.586+/-0.043 χ^2/NDF: 10773788.2/93

- sign 450.101+/-0.061 χ^2/NDF: 5920761.2/47

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 327.828+/-335.149 χ^2/NDF: 19.0/21

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -175.620+/-328.006 χ^2/NDF: 19.8/24

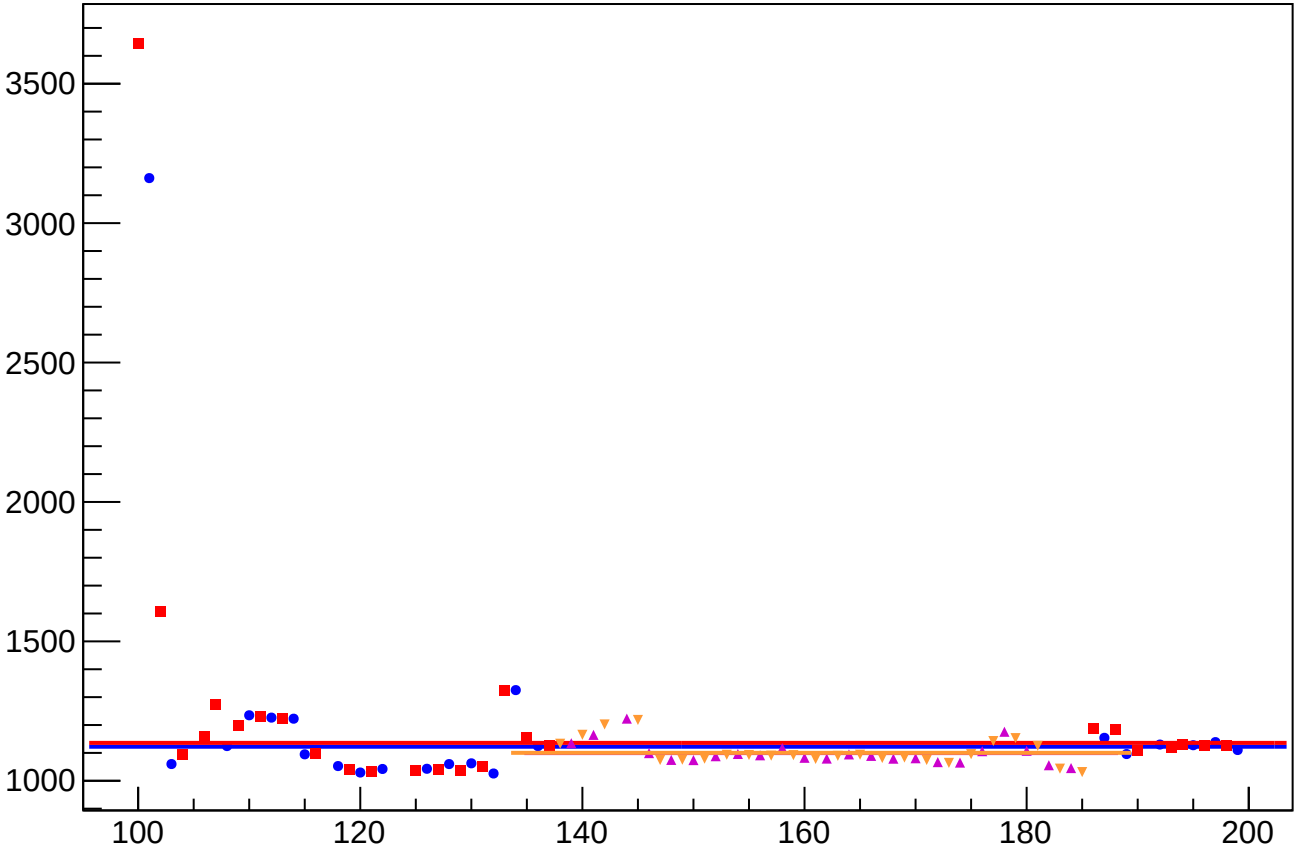
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 312.382+/-203.218 χ^2/NDF: 47.5/45

All: 114.005+/-143.347 χ^2/NDF: 105.1/93

- sign -82.455+/-202.234 χ^2/NDF: 55.8/47

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1122.168+/-0.237 χ^2/NDF: 618623.0/21

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

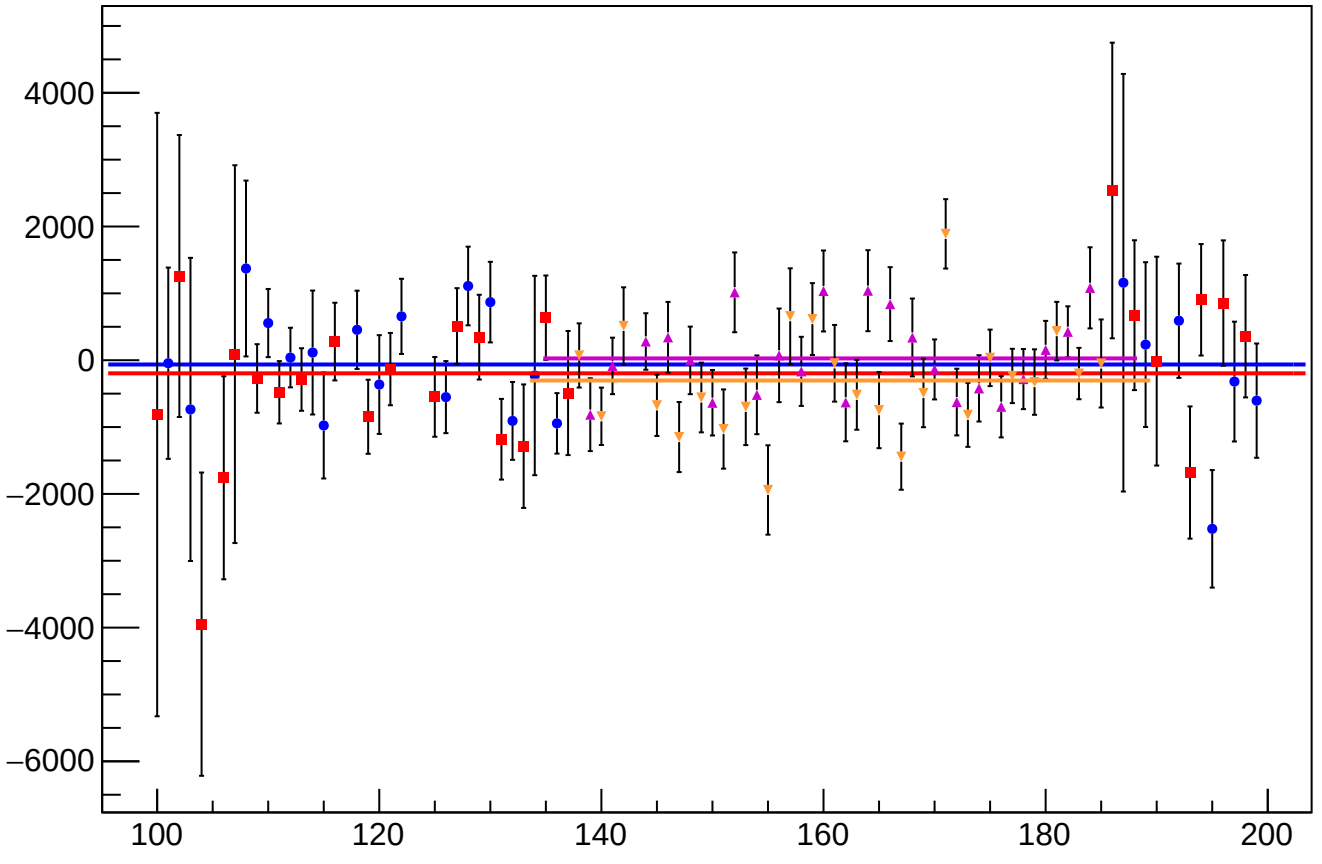
Right Out: 1135.976+/-0.232 χ^2/NDF: 233185.0/24

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1108.313+/-0.144 χ^2/NDF: 672802.2/45

All: 1110.803+/-0.101 χ^2/NDF: 966834.3/93

- sign 1113.268+/-0.143 χ^2/NDF: 293434.8/47



Right In: -63.929+/-150.389 χ^2/NDF: 29.0/21

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

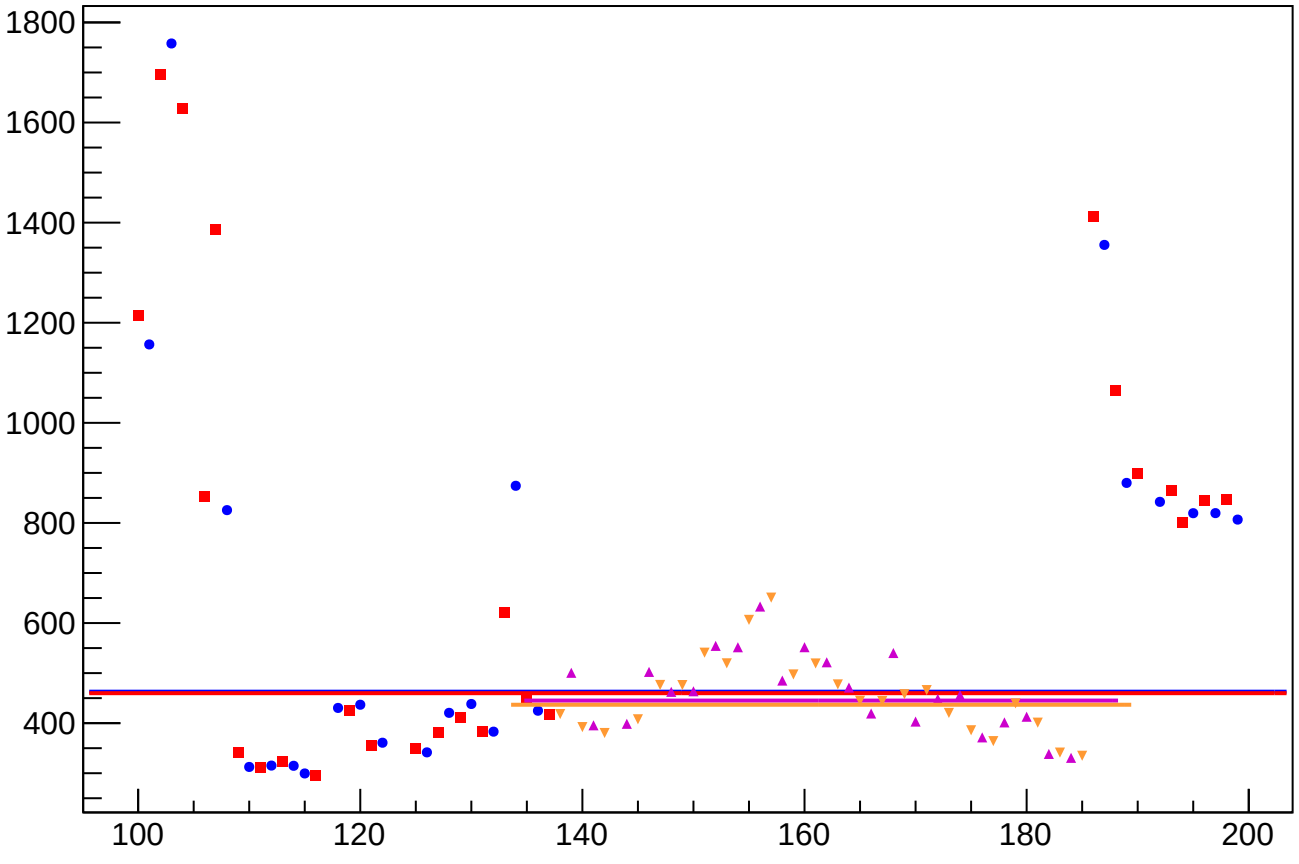
Right Out: -196.233+/-147.693 χ^2/NDF: 23.1/24

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -226.834+/-84.968 χ^2/NDF: 80.2/45

All: -138.550+/-60.375 χ^2/NDF: 134.9/93

- sign -48.519+/-85.805 χ^2/NDF: 52.5/47



Right In: 462.890+/-0.106 χ^2/NDF: 3953417.5/21

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 459.896+/-0.104 χ^2/NDF: 5032977.0/24

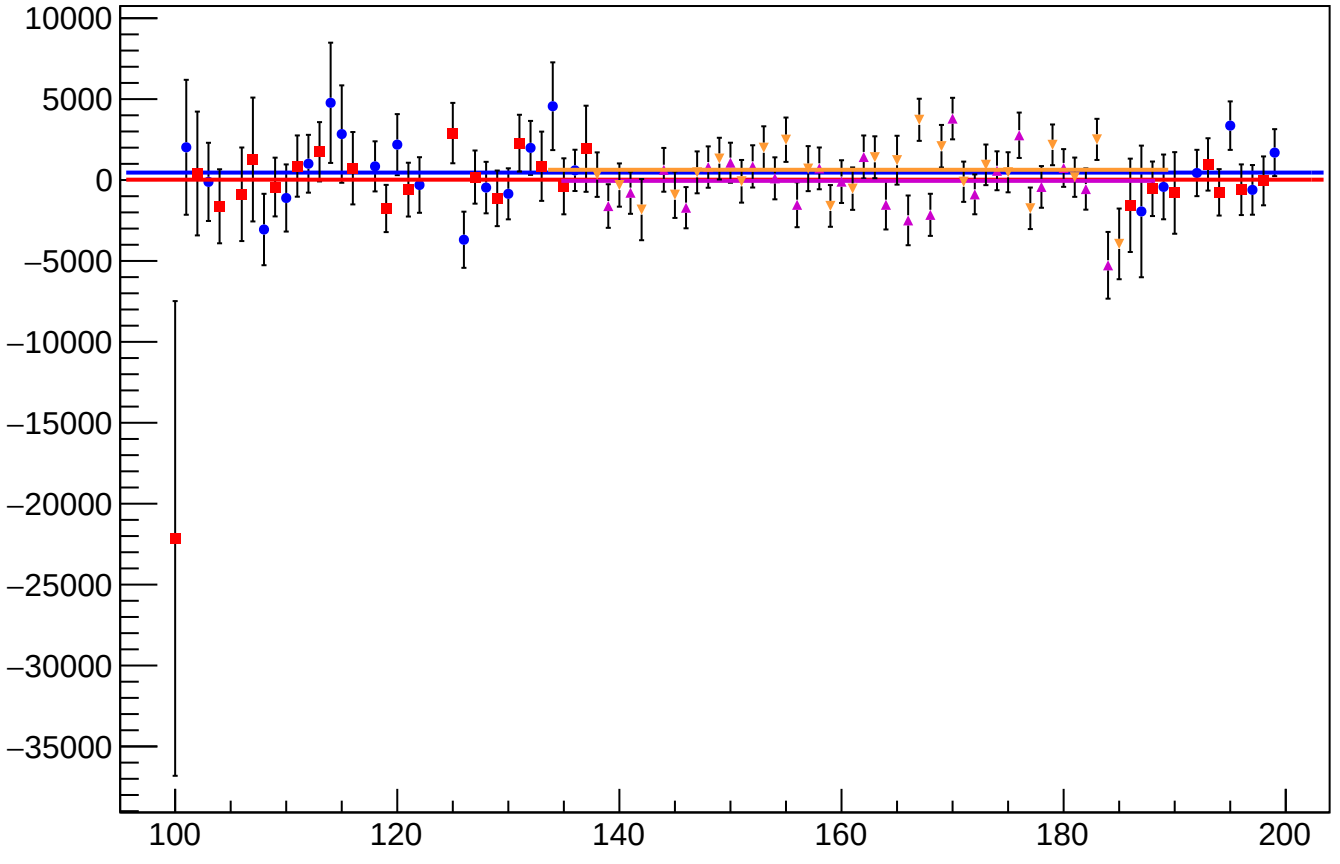
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 445.119+/-0.060 χ^2/NDF: 4849674.1/45

All: 447.585+/-0.043 χ^2/NDF: 10773904.5/93

- sign 450.099+/-0.061 χ^2/NDF: 5920828.3/47

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 460.107+/-389.752 χ^2/NDF: 21.9/21

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 21.740+/-385.639 χ^2/NDF: 12.4/24

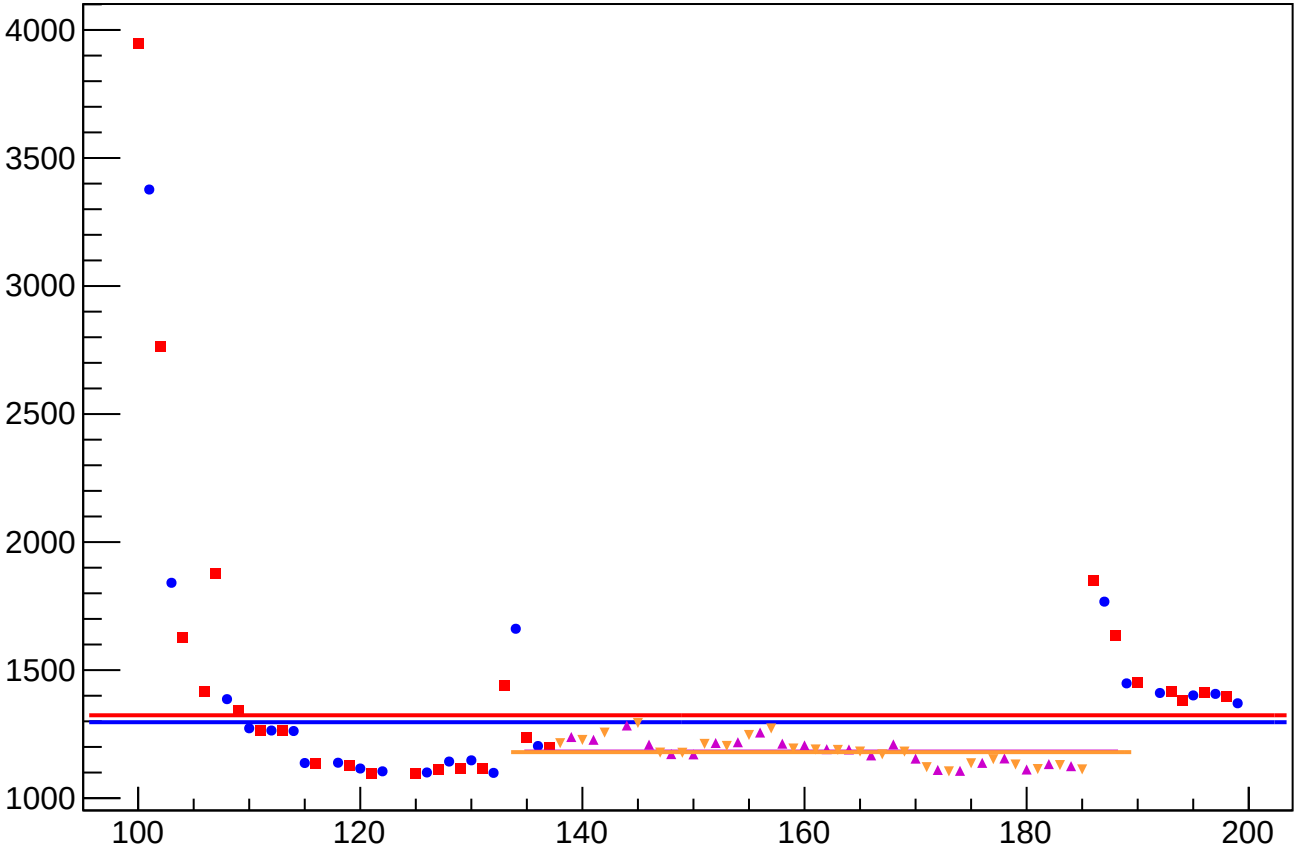
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 575.714+/-224.185 χ^2/NDF: 52.1/45

All: 275.239+/-158.653 χ^2/NDF: 103.2/93

- sign -26.228+/-224.555 χ^2/NDF: 47.5/47

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1296.597+/-0.276 χ^2/NDF: 887323.1/21

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

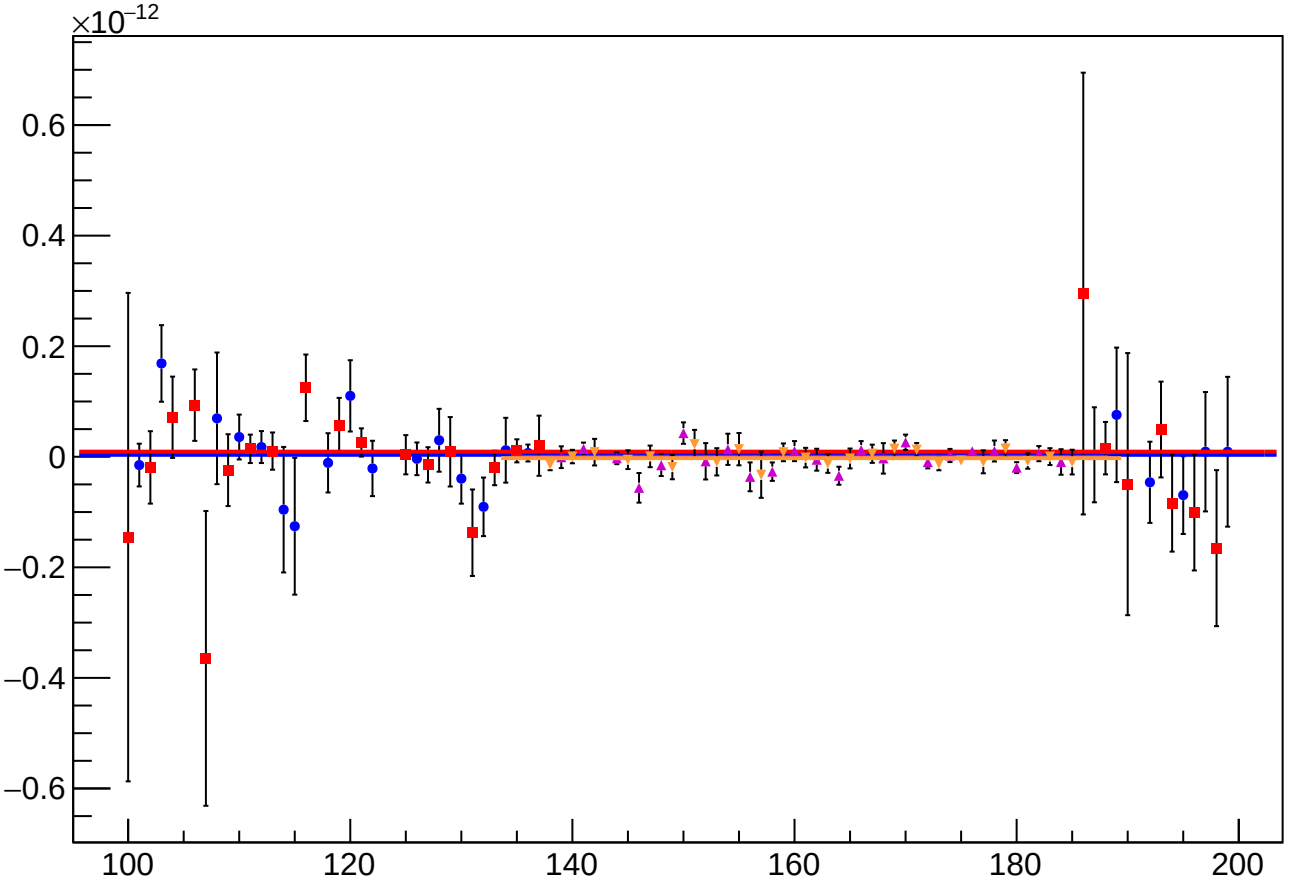
Right Out: 1323.674+/-0.273 χ^2/NDF: 815832.3/24

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1218.385+/-0.159 χ^2/NDF: 1072350.2/45

All: 1224.178+/-0.112 χ^2/NDF: 2129798.1/93

\- sign 1229.990+/-0.159 χ^2/NDF: 1054772.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/24

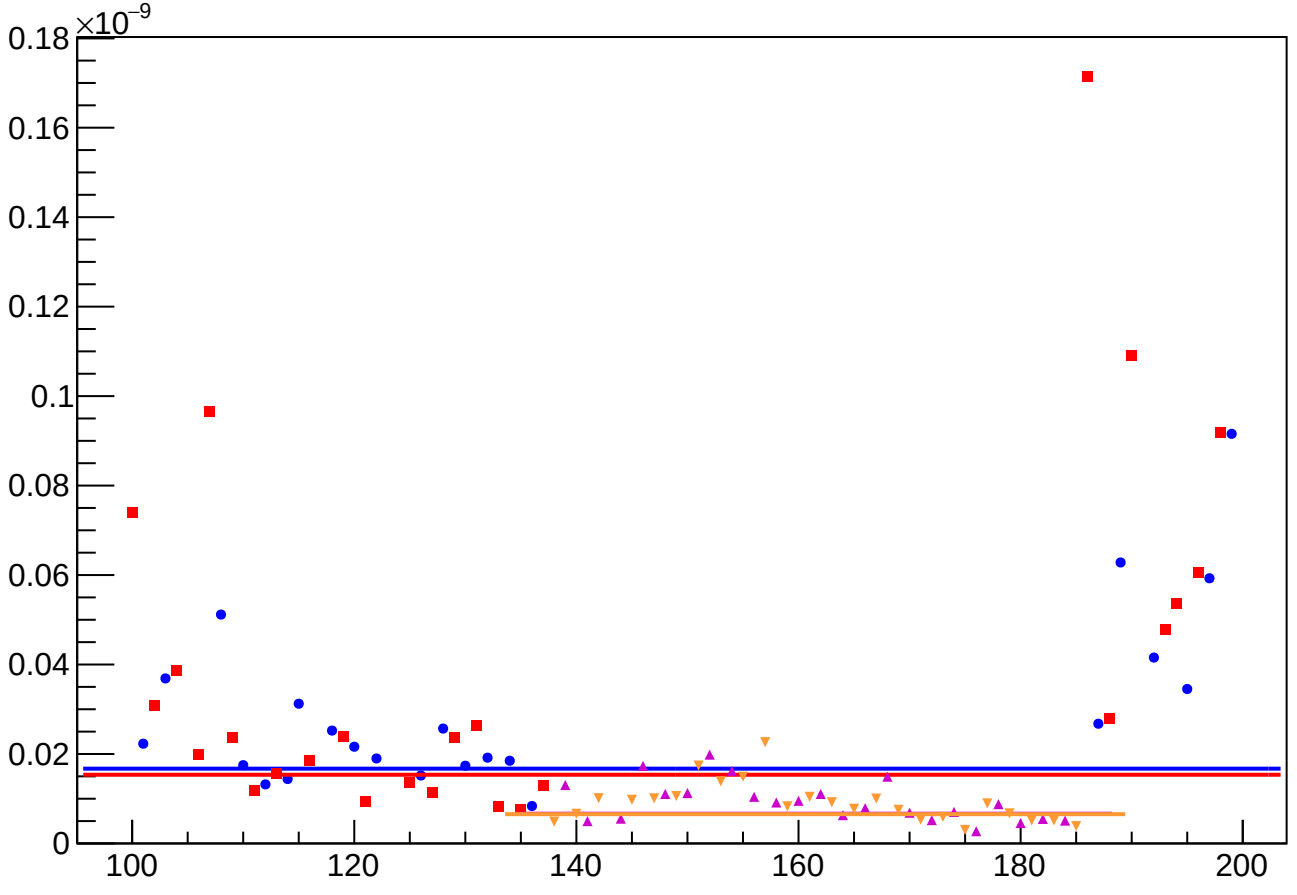
Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.2/45

All: -0.000+/-0.000 χ^2/NDF: 82.7/93

- sign 0.000+/-0.000 χ^2/NDF: 53.1/47

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2751195.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3676775.2/24

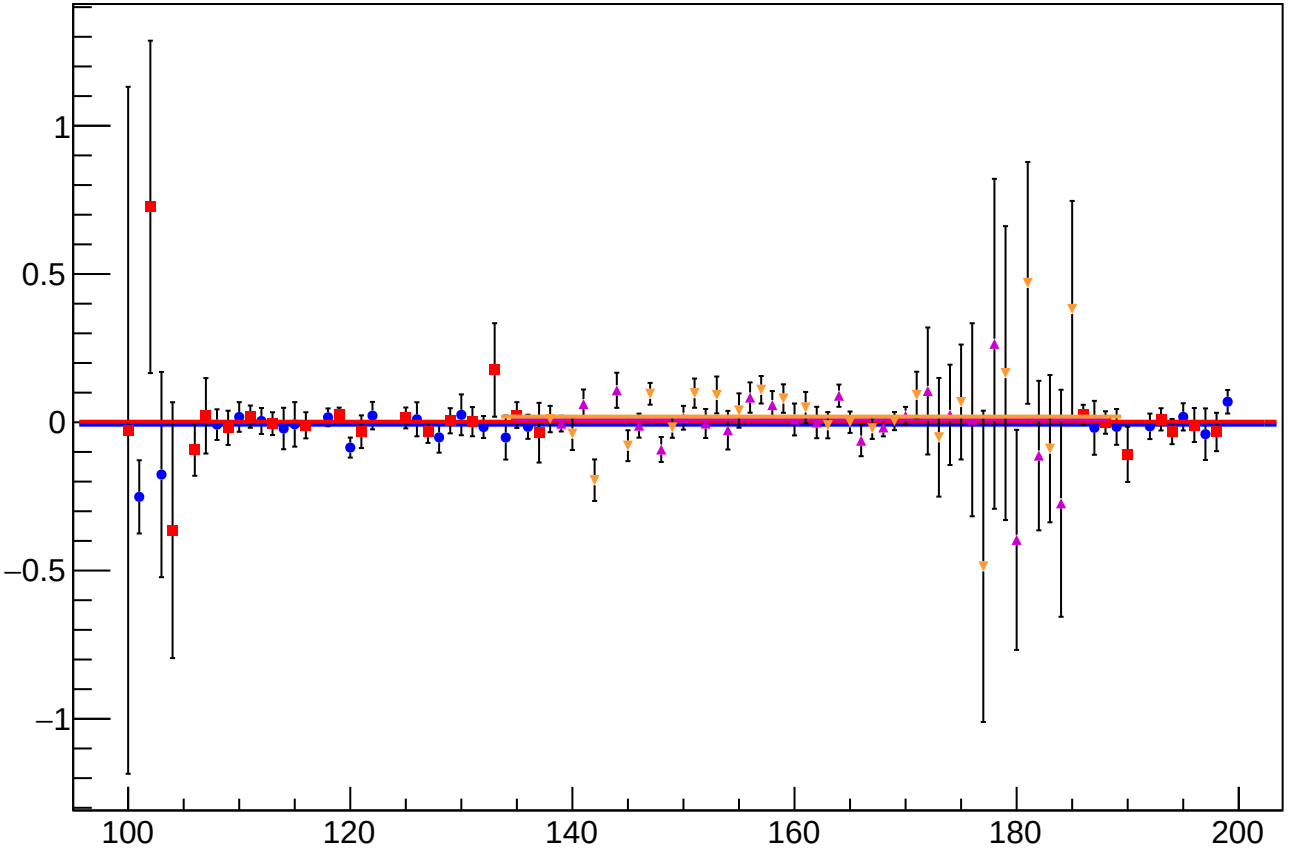
Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7232305.7/45

All: 0.000+/-0.000 χ^2/NDF: 15118879.6/93

- sign 0.000+/-0.000 χ^2/NDF: 7886370.9/47

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.002+/-0.009 χ^2/NDF: 10.8/24

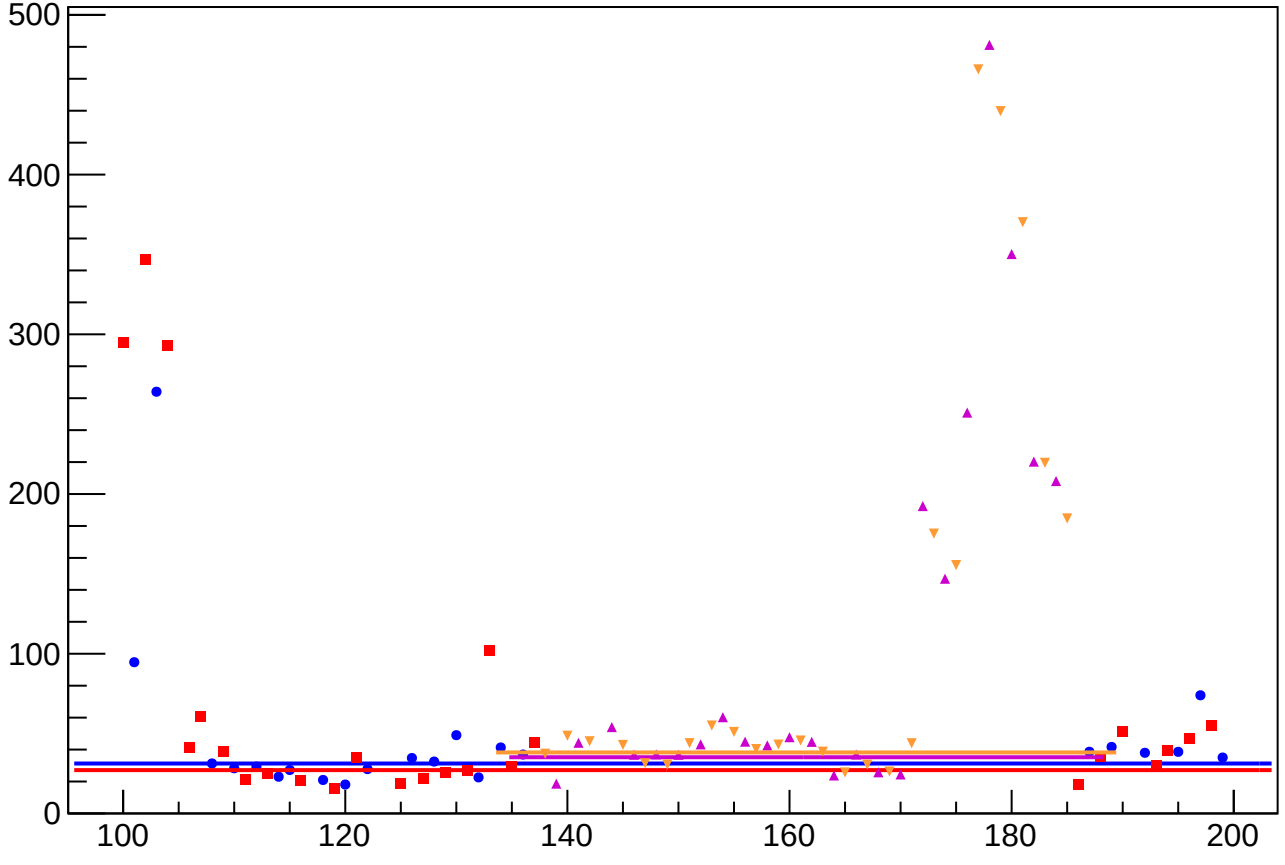
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.005+/-0.008 χ^2/NDF: 55.7/45

All: 0.006+/-0.005 χ^2/NDF: 90.5/93

- sign 0.006+/-0.007 χ^2/NDF: 34.8/47

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.269+/-0.008 χ^2/NDF: 3026166.9/21

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

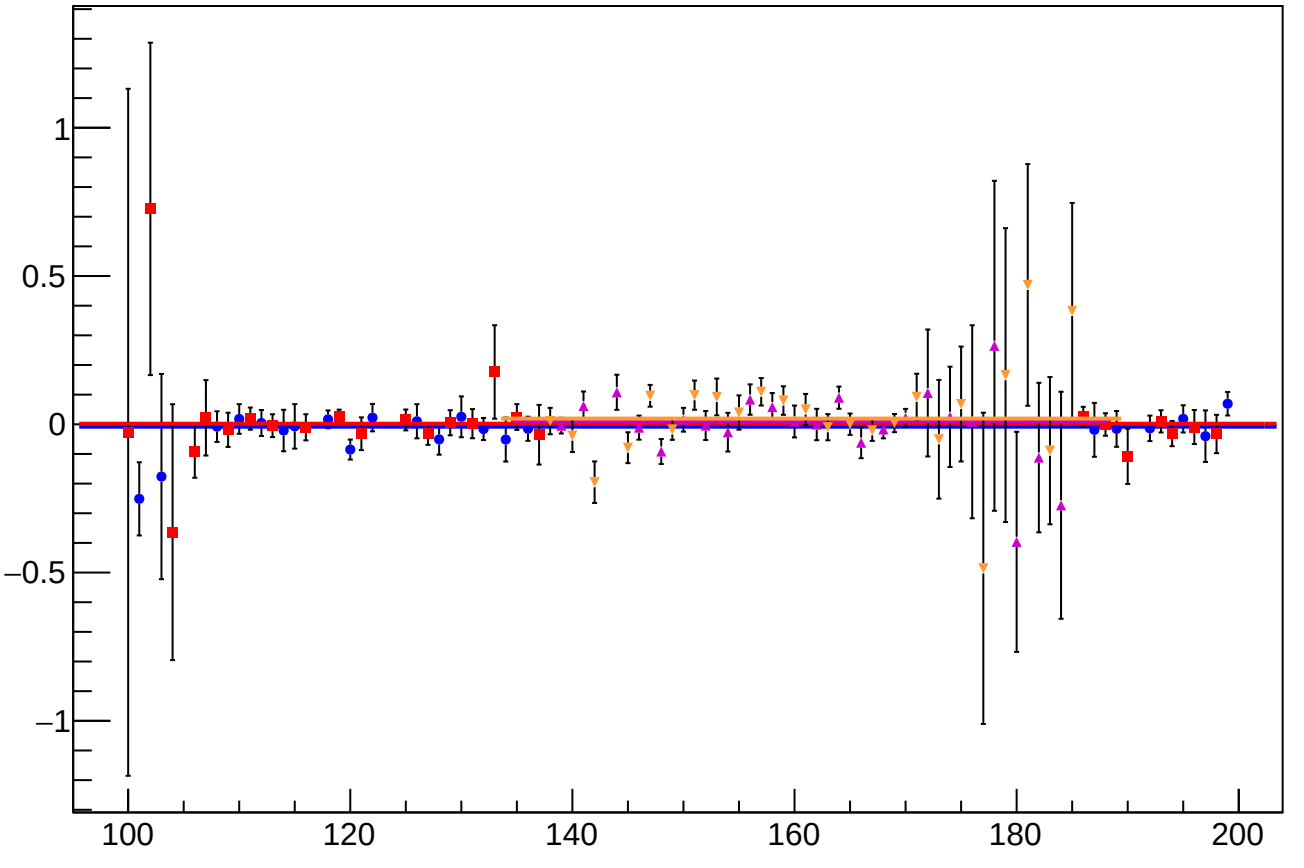
Right Out: 27.132+/-0.007 χ^2/NDF: 4225273.5/24

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.696+/-0.005 χ^2/NDF: 11728966.1/45

All: 32.597+/-0.004 χ^2/NDF: 26293647.8/93

- sign 30.836+/-0.005 χ^2/NDF: 14283620.3/47



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

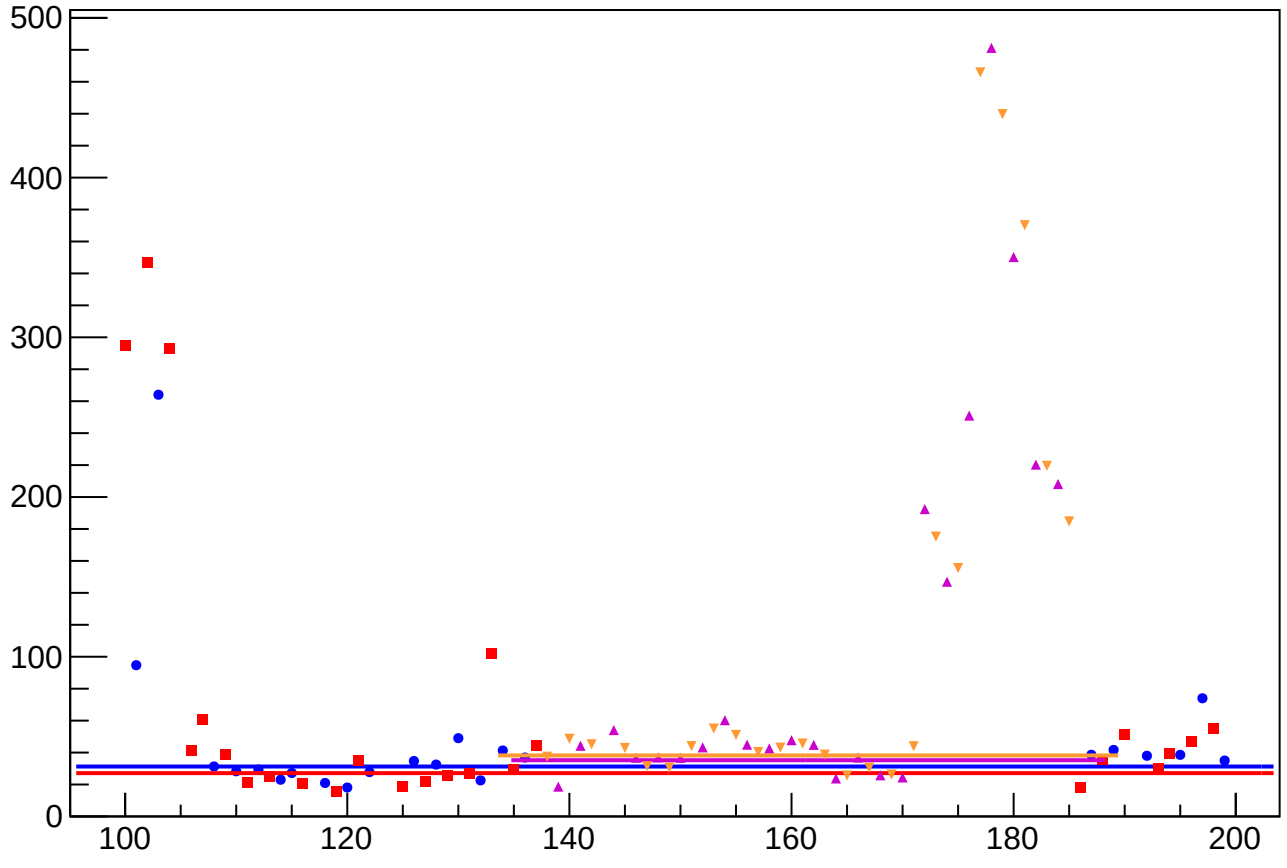
Right Out: 0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.005+/-0.008 χ^2/NDF: 55.7/45

All: 0.006+/-0.005 χ^2/NDF: 90.5/93

- sign 0.006+/-0.007 χ^2/NDF: 34.8/47



Right In: 31.269+/-0.008 χ^2/NDF: 3026166.9/21

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

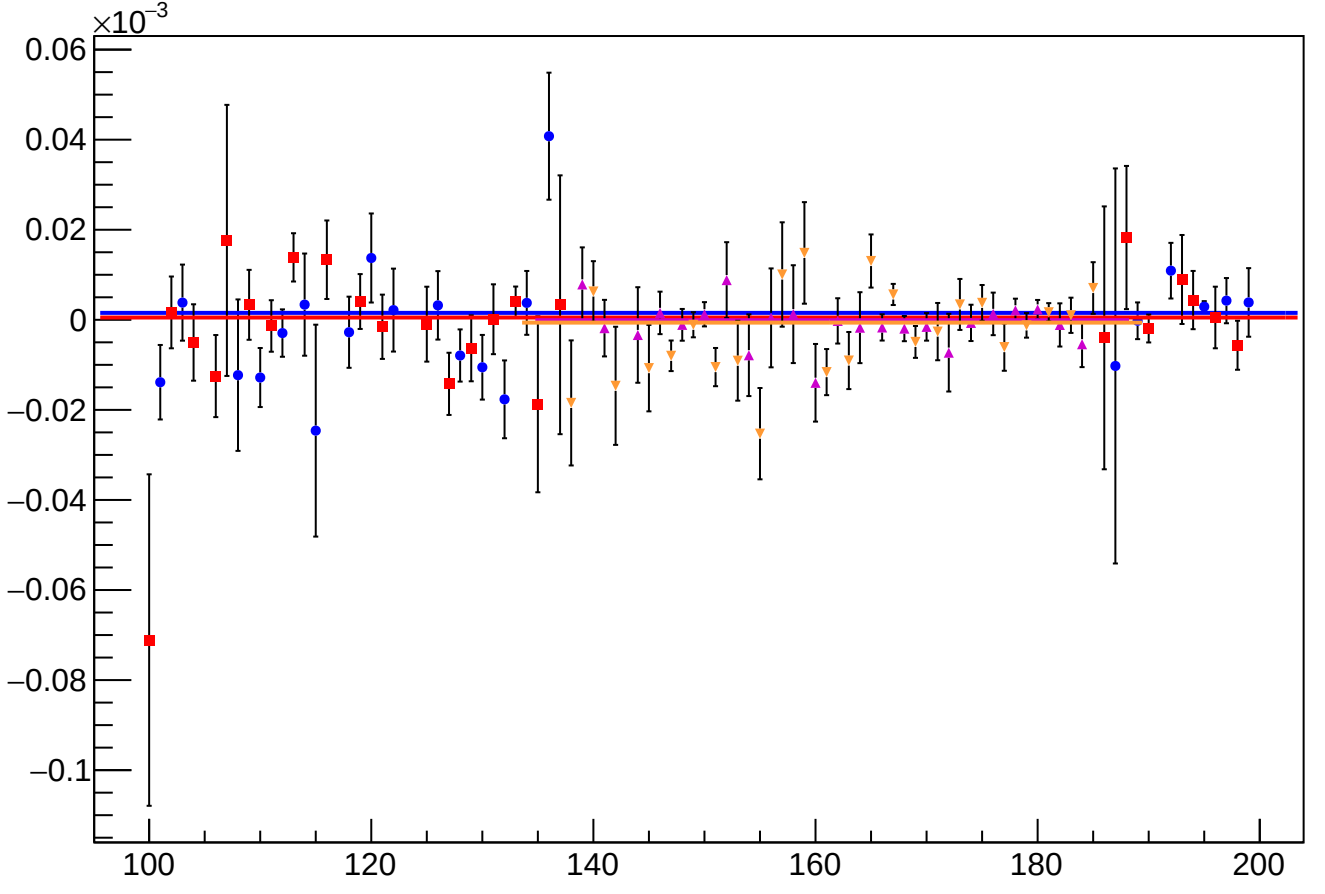
Right Out: 27.132+/-0.007 χ^2/NDF: 4225273.5/24

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.696+/-0.005 χ^2/NDF: 11728966.1/45

All: 32.597+/-0.004 χ^2/NDF: 26293647.8/93

- sign 30.836+/-0.005 χ^2/NDF: 14283620.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 35.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

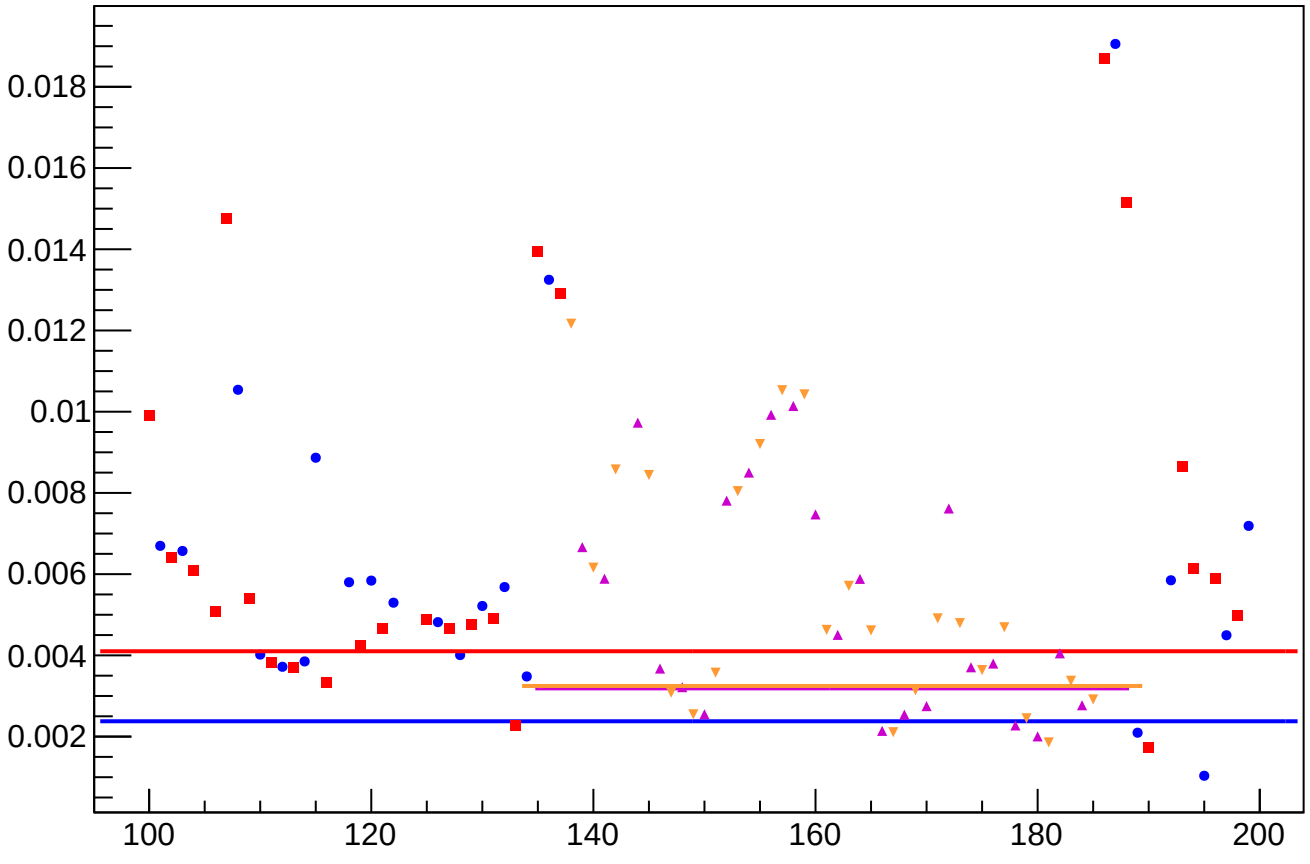
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/24

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.3/45

All: 0.000+/-0.000 χ^2/NDF: 127.9/93

- sign 0.000+/-0.000 χ^2/NDF: 38.5/47



Right In: 0.002+/-0.000 χ^2/NDF: 9484033.7/21

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

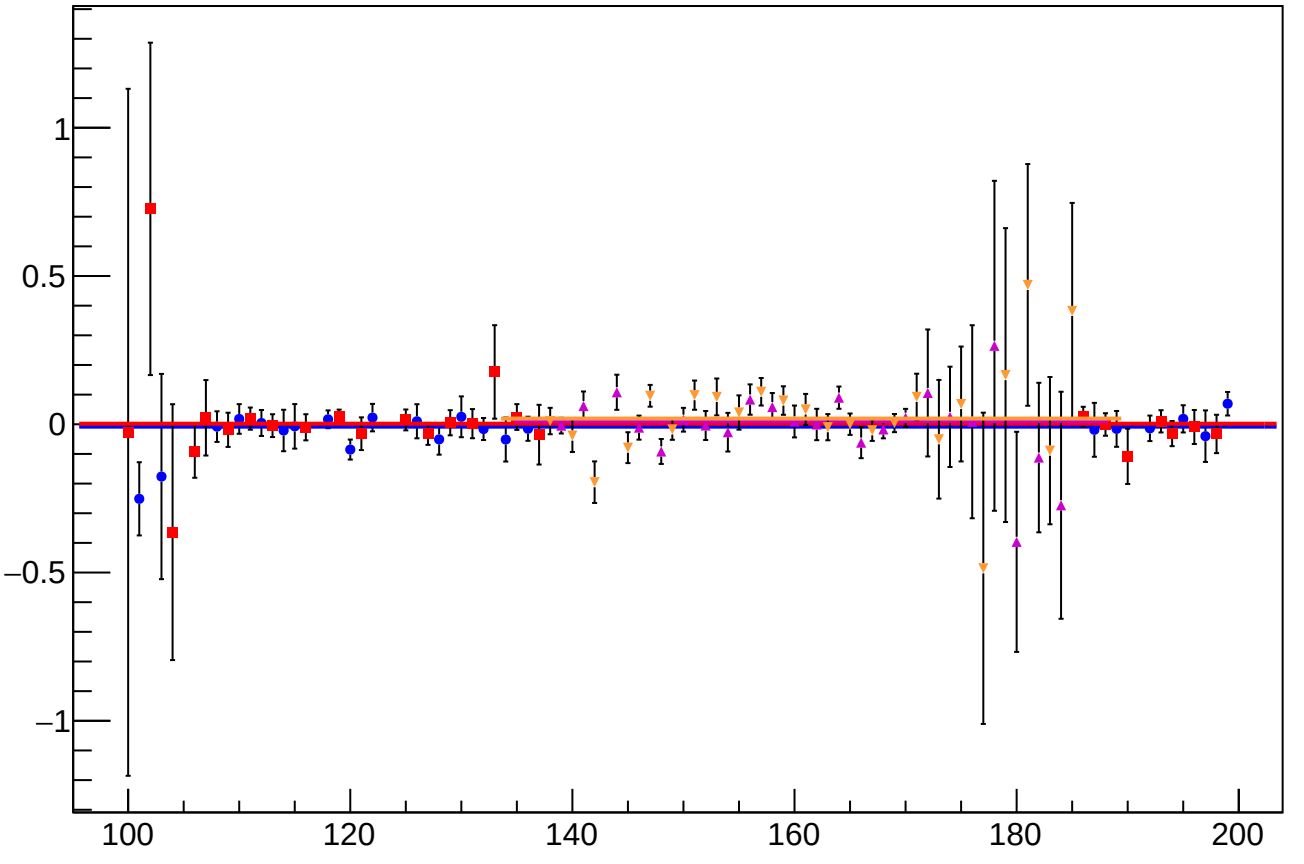
Right Out: 0.004+/-0.000 χ^2/NDF: 5493494.1/24

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 18113537.8/45

All: 0.003+/-0.000 χ^2/NDF: 32291369.7/93

- sign 0.003+/-0.000 χ^2/NDF: 13444949.7/47



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

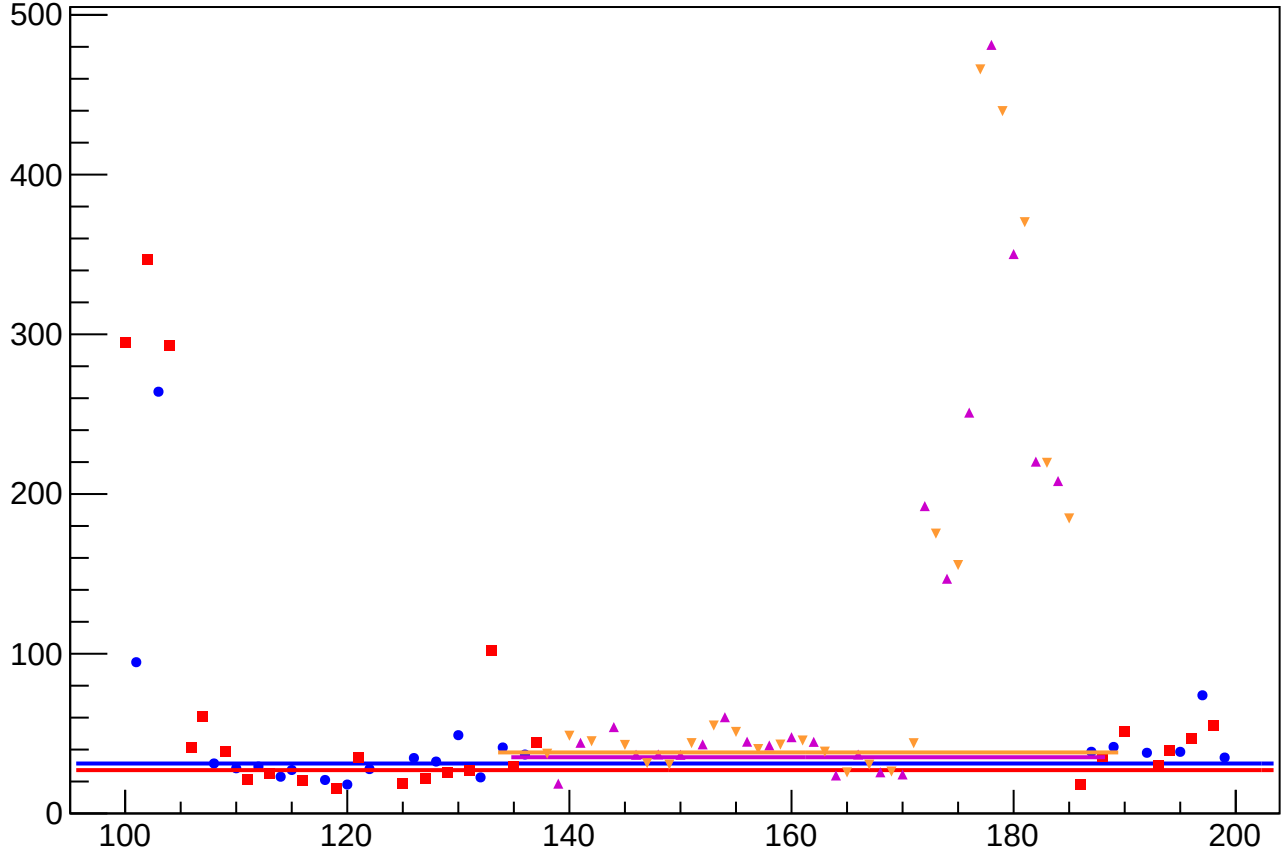
Right Out: 0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.005+/-0.008 χ^2/NDF: 55.7/45

All: 0.006+/-0.005 χ^2/NDF: 90.5/93

- sign 0.006+/-0.007 χ^2/NDF: 34.8/47



Right In: 31.269+/-0.008 χ^2/NDF: 3026200.5/21

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

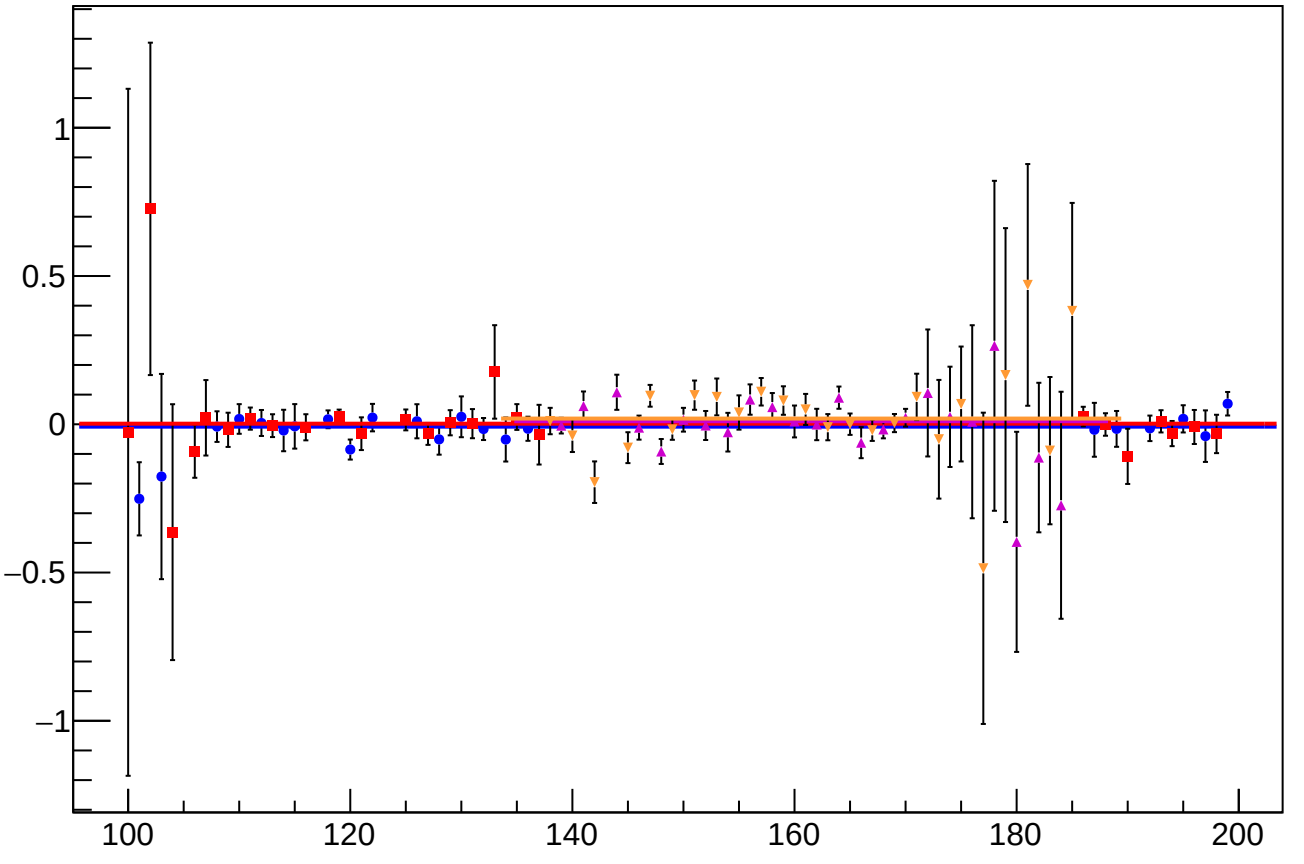
Right Out: 27.130+/-0.007 χ^2/NDF: 4225631.9/24

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

\+ sign 34.696+/-0.005 χ^2/NDF: 11729124.2/45

All: 32.596+/-0.004 χ^2/NDF: 26295150.4/93

\- sign 30.834+/-0.005 χ^2/NDF: 14284750.7/47



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

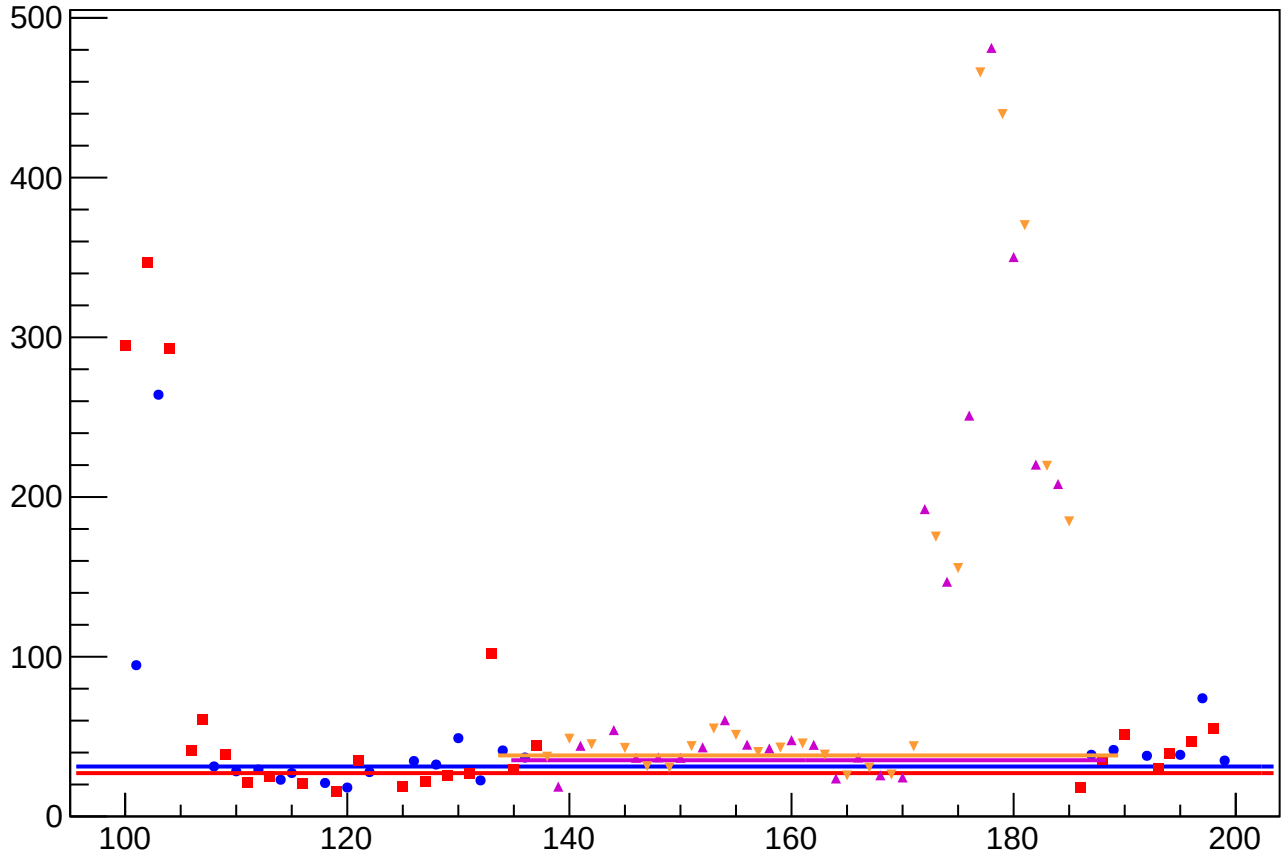
Right Out: 0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.005+/-0.008 χ^2/NDF: 55.7/45

All: 0.006+/-0.005 χ^2/NDF: 90.5/93

- sign 0.006+/-0.007 χ^2/NDF: 34.8/47



Right In: 31.269+/-0.008 χ^2/NDF: 3026200.5/21

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

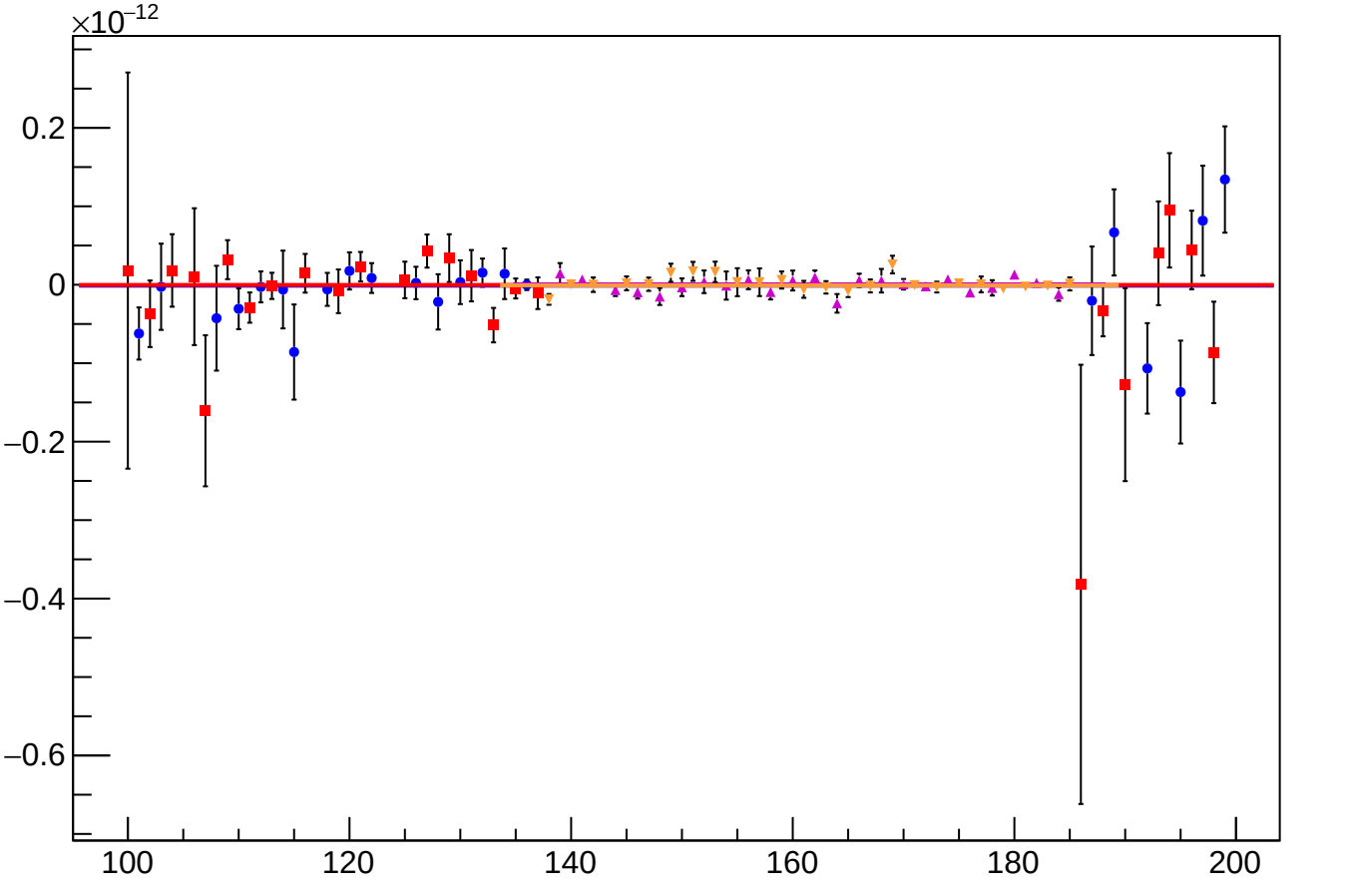
Right Out: 27.130+/-0.007 χ^2/NDF: 4225631.9/24

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.696+/-0.005 χ^2/NDF: 11729124.2/45

All: 32.596+/-0.004 χ^2/NDF: 26295150.4/93

- sign 30.834+/-0.005 χ^2/NDF: 14284750.7/47



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

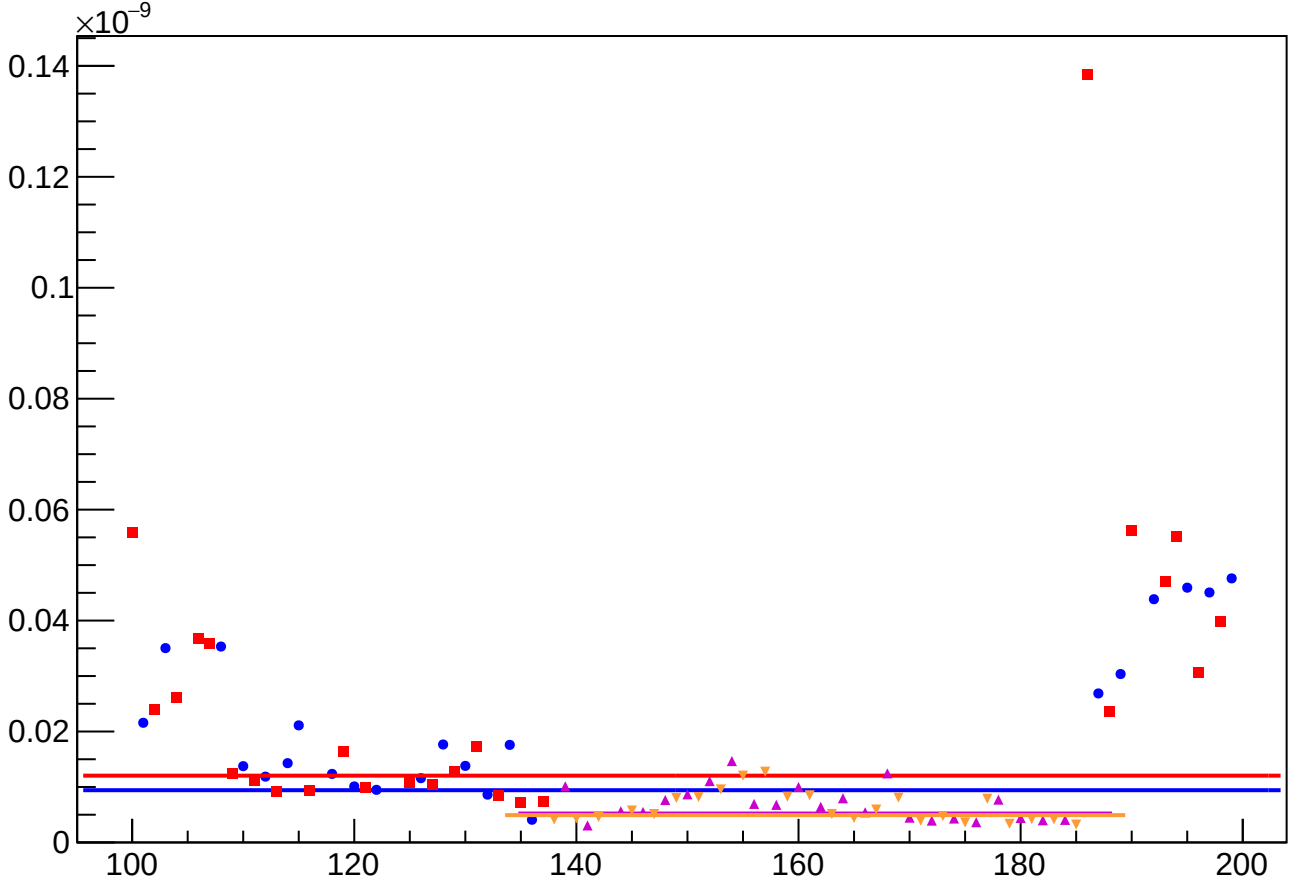
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/24

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.2/45

All: -0.000+/-0.000 χ^2/NDF: 101.4/93

- sign 0.000+/-0.000 χ^2/NDF: 55.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 5706259.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4183998.5/24

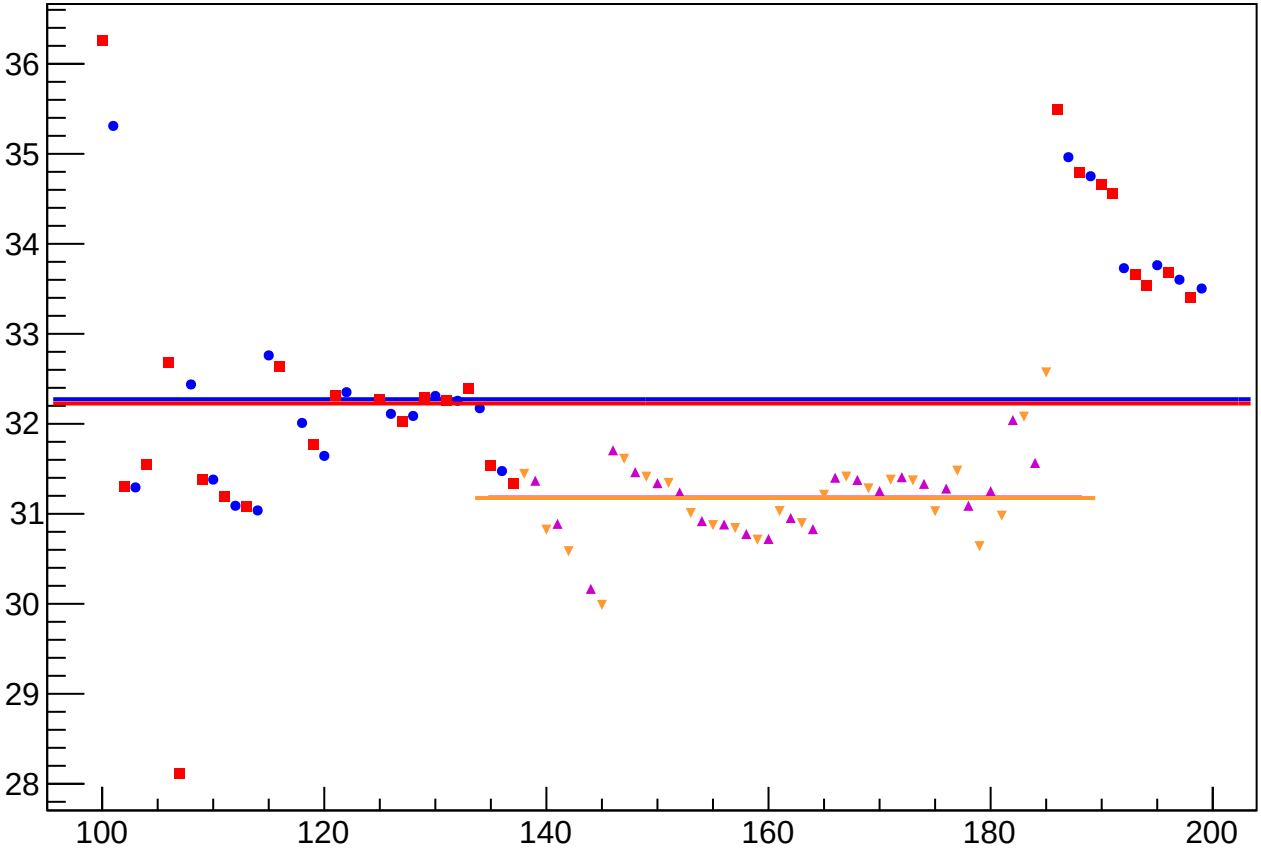
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9981836.3/45

All: 0.000+/-0.000 χ^2/NDF: 20568937.0/93

- sign 0.000+/-0.000 χ^2/NDF: 10516876.3/47

yield_usl_mean vs Slug



Right In: 32.274+/-0.000 χ^2/NDF: 1488389954.6/21

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.226+/-0.000 χ^2/NDF: 1572635785.7/25

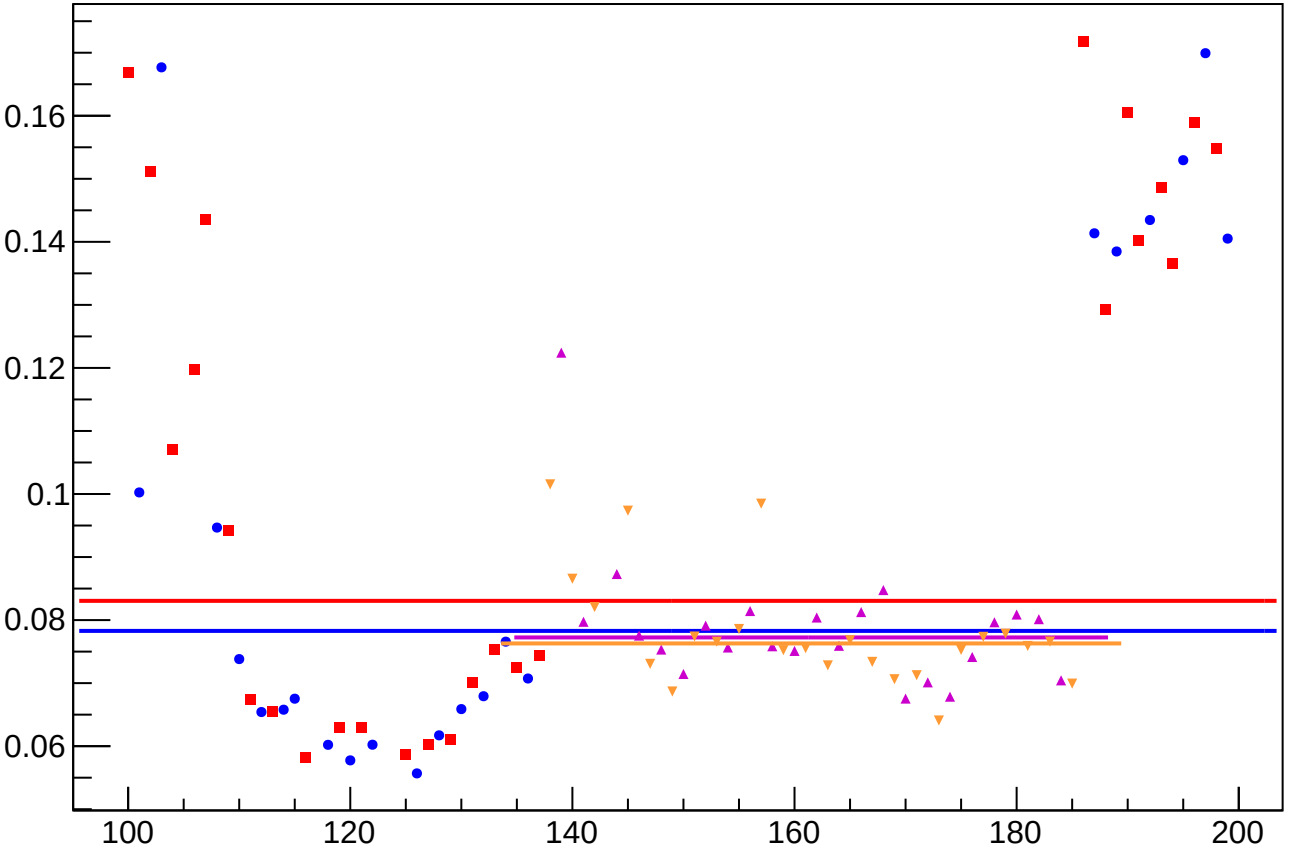
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.557+/-0.000 χ^2/NDF: 3220937514.6/45

All: 31.551+/-0.000 χ^2/NDF: 6226234348.4/9

- sign 31.546+/-0.000 χ^2/NDF: 3005035657.6/48

yield_usl_rms vs Slug



Right In: 0.078+/-0.000 χ^2/NDF: 2838725.5/21

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.083+/-0.000 χ^2/NDF: 3210719.3/25

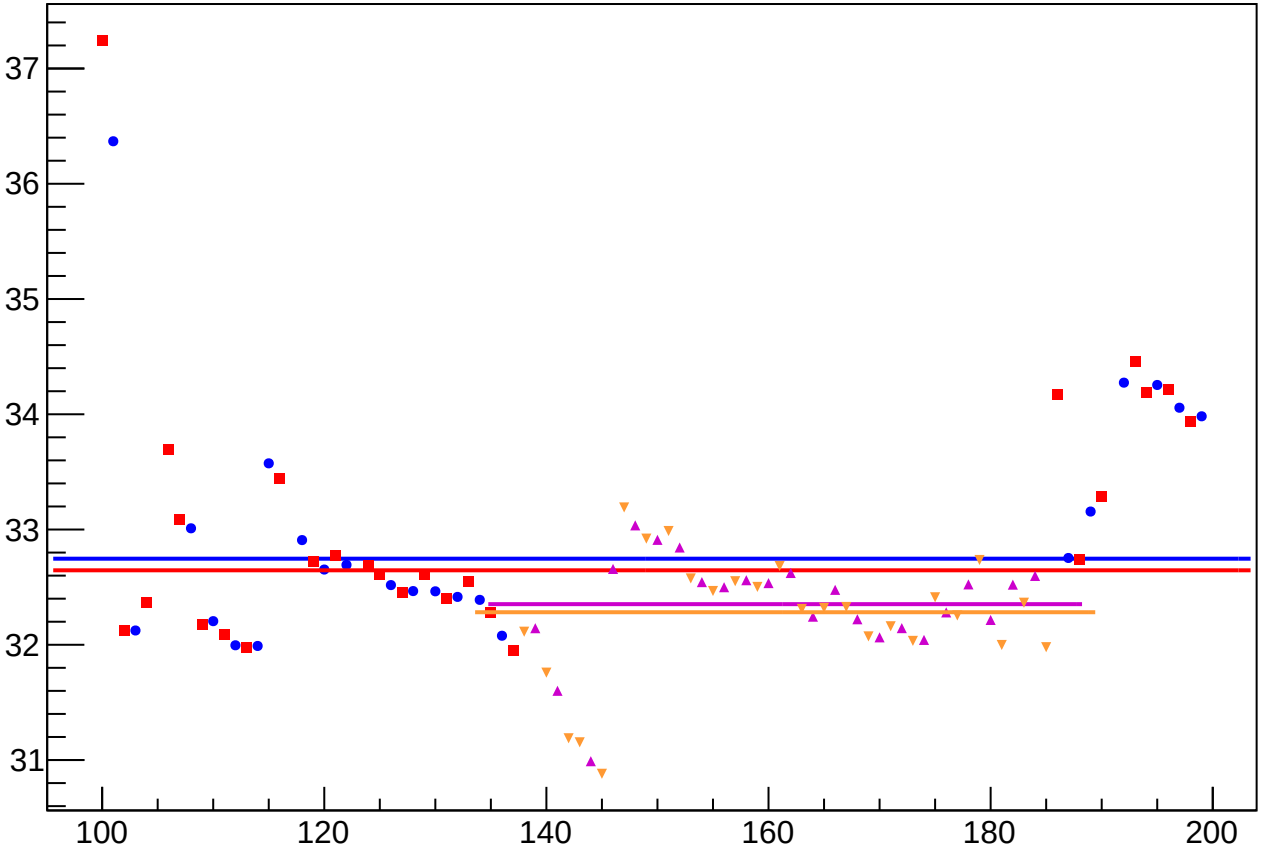
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.077+/-0.000 χ^2/NDF: 3203325.7/45

All: 0.078+/-0.000 χ^2/NDF: 6867046.0/94

- sign 0.079+/-0.000 χ^2/NDF: 3641084.3/48

yield_usr_mean vs Slug



Right In: 32.747+/-0.000 χ^2/NDF: 890219562.9/21

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.646+/-0.000 χ^2/NDF: 390300851.7/25

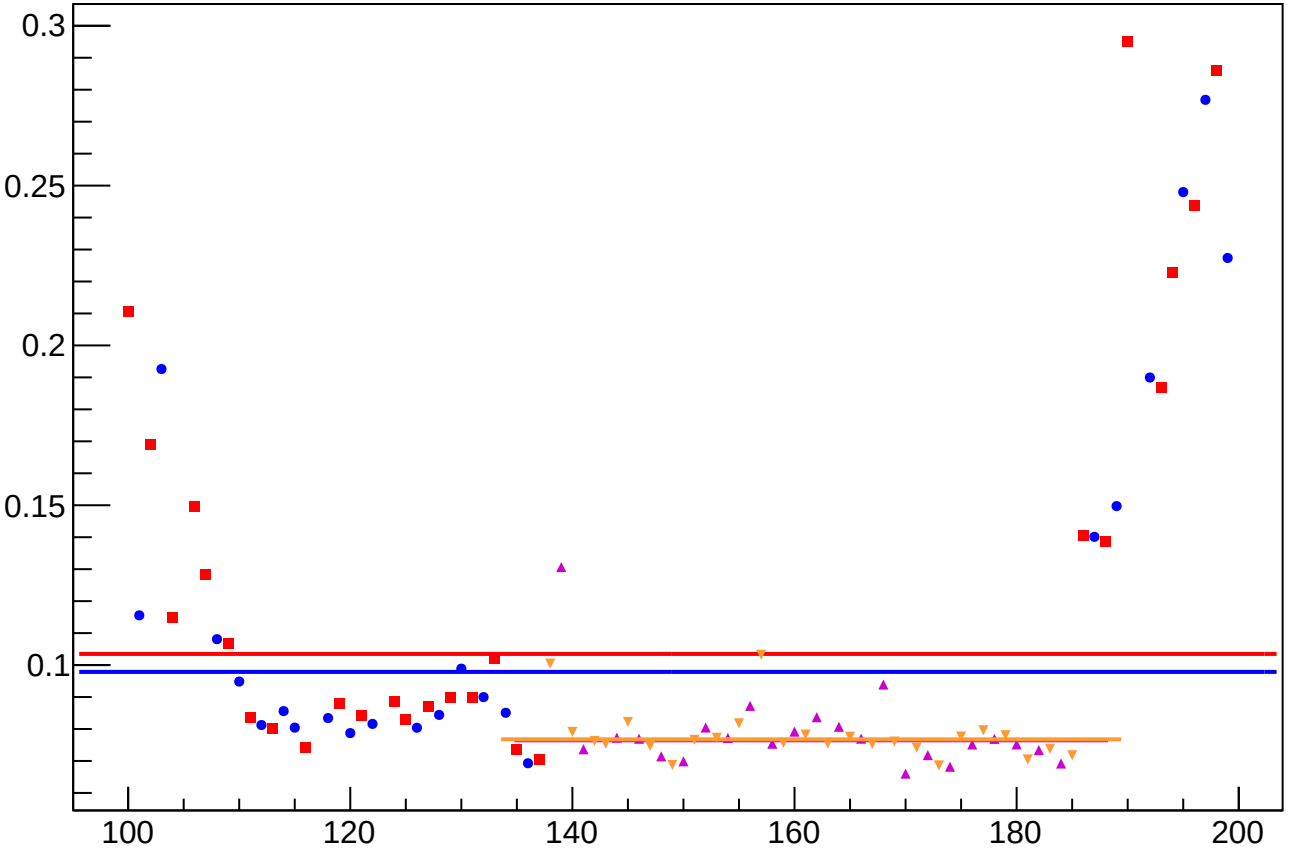
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.393+/-0.000 χ^2/NDF: 1883621561.2/46

All: 32.408+/-0.000 χ^2/NDF: 2926015345.0/9

- sign 32.424+/-0.000 χ^2/NDF: 1040566398.7/48

yield_usr_rms vs Slug



Right In: 0.098+/-0.000 χ^2/NDF: 3234711.1/21

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.103+/-0.000 χ^2/NDF: 3339096.3/25

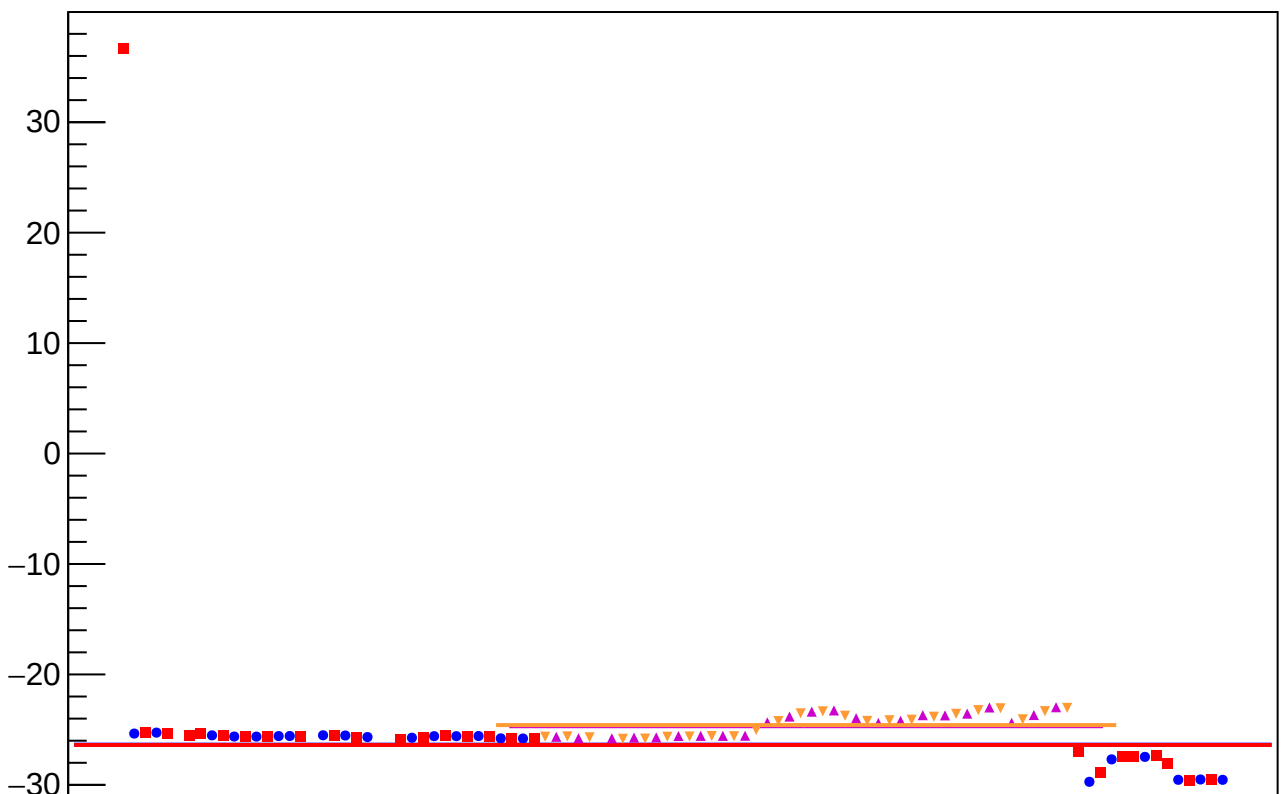
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.082+/-0.000 χ^2/NDF: 4122594.6/46

All: 0.082+/-0.000 χ^2/NDF: 8972525.0/95

- sign 0.083+/-0.000 χ^2/NDF: 4843984.4/48

yield_dsl_mean vs Slug



Right In: -26.359+/-0.000 χ^2/NDF: 11461859430.0/21

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.385+/-0.000 χ^2/NDF: 19821090383.8/25

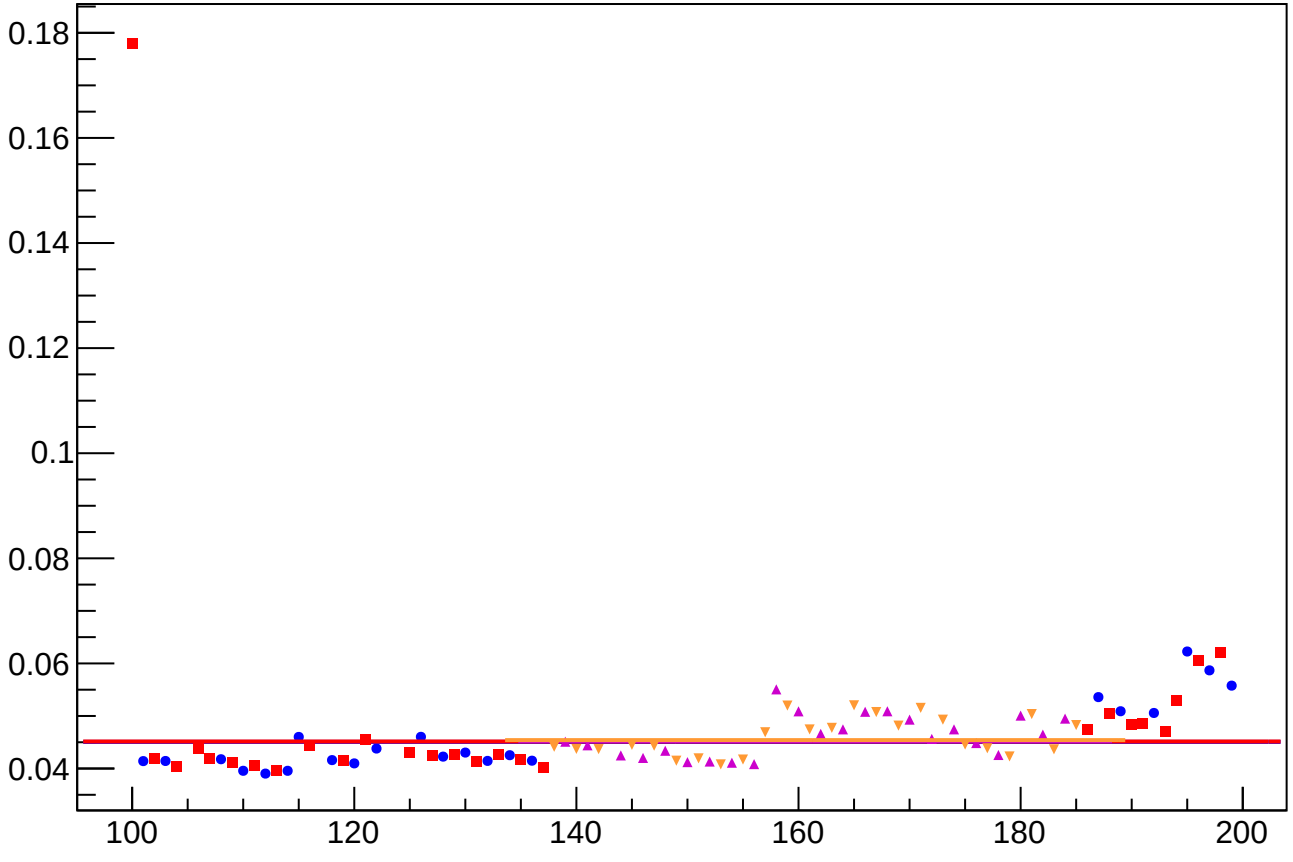
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.270+/-0.000 χ^2/NDF: 31205434295.2/45

All: -25.326+/-0.000 χ^2/NDF: 70165364474.7

- sign -25.381+/-0.000 χ^2/NDF: 38871222392.4/48

yield_dsl_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF: 435258.2/21

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.045+/-0.000 χ^2/NDF: 478866.5/25

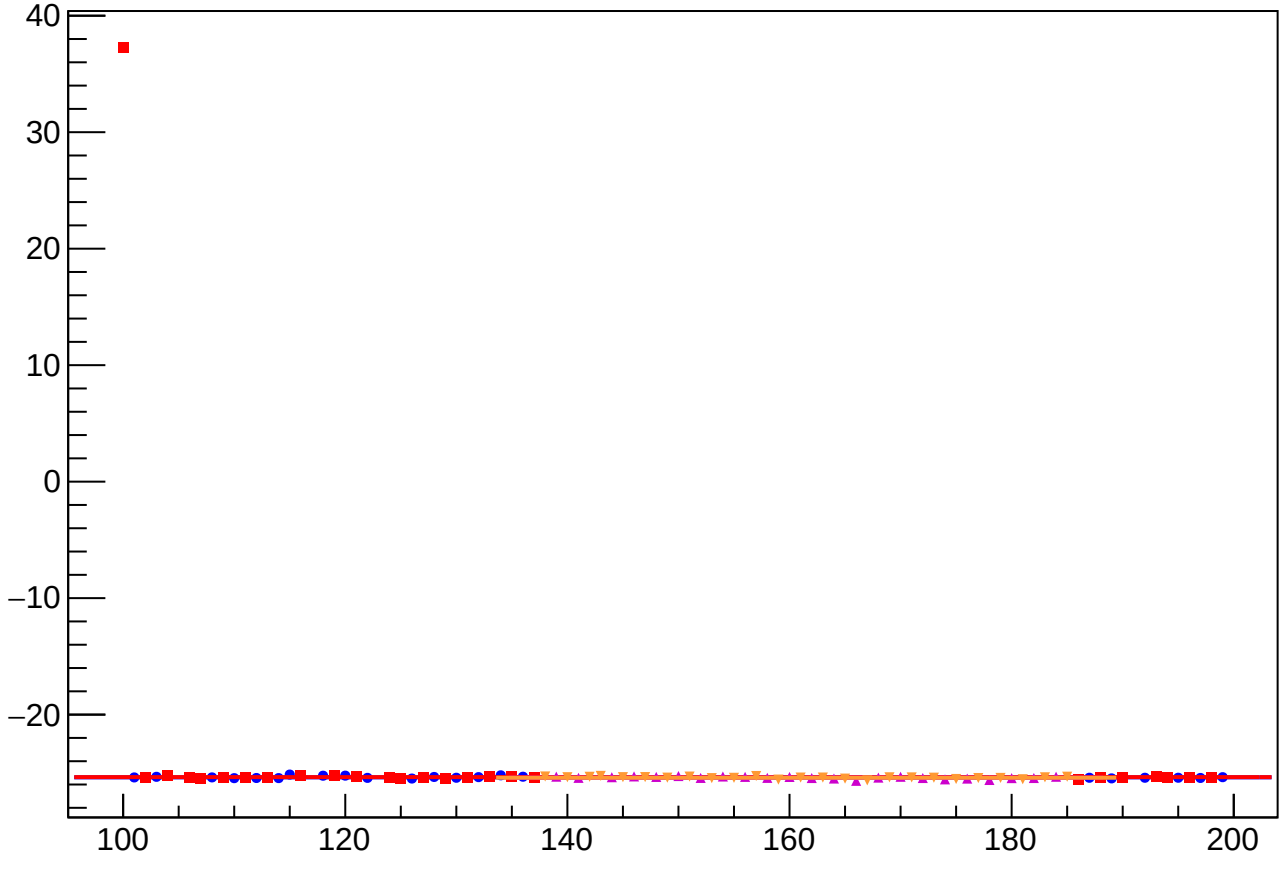
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.045+/-0.000 χ^2/NDF: 641554.4/45

All: 0.045+/-0.000 χ^2/NDF: 1365251.7/94

- sign 0.045+/-0.000 χ^2/NDF: 723567.5/48

yield_dsr_mean vs Slug



Right In: -25.387+/-0.000 χ^2/NDF: 18243107.2/21

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.365+/-0.000 χ^2/NDF: 6329132131.0/25

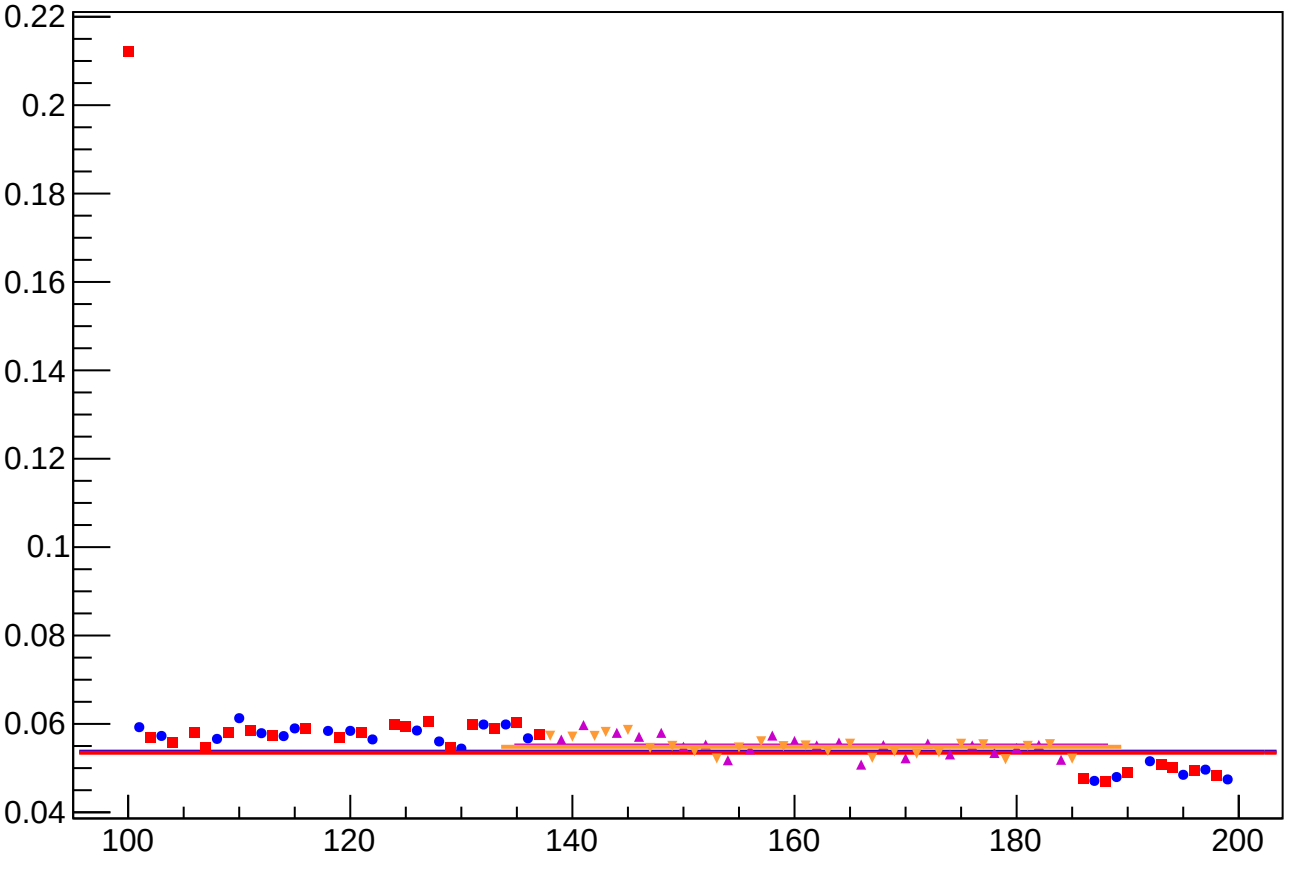
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.405+/-0.000 χ^2/NDF: 72584803.6/46

All: -25.400+/-0.000 χ^2/NDF: 6464098246.4/

- 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: 165839.2/21

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.053+/-0.000 χ^2/NDF: 273623.6/25

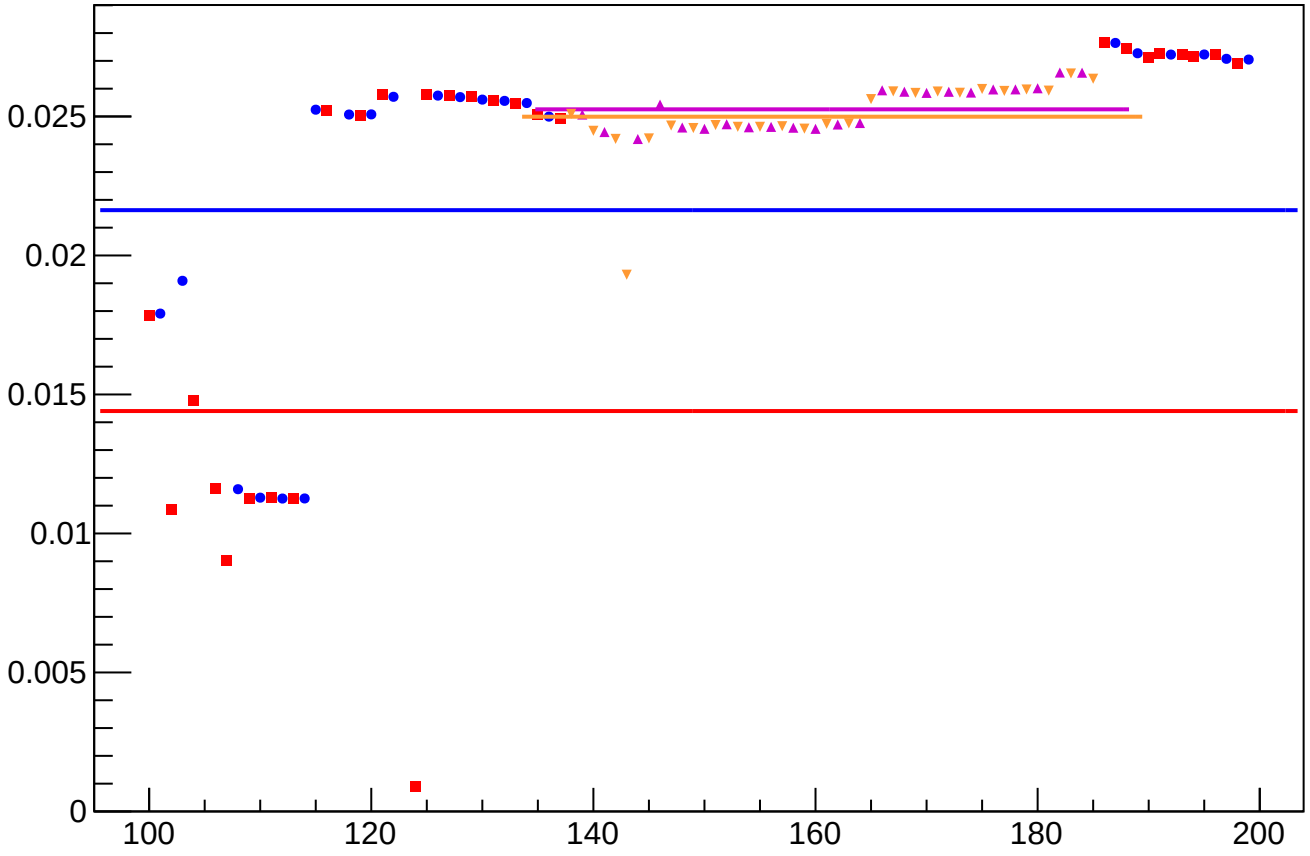
Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.054+/-0.000 χ^2/NDF: 209752.1/46

All: 0.054+/-0.000 χ^2/NDF: 547917.1/95

- sign 0.054+/-0.000 χ^2/NDF: 338157.8/48

yield_atl1_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 81642031222.5/21

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 371900407730.4/26

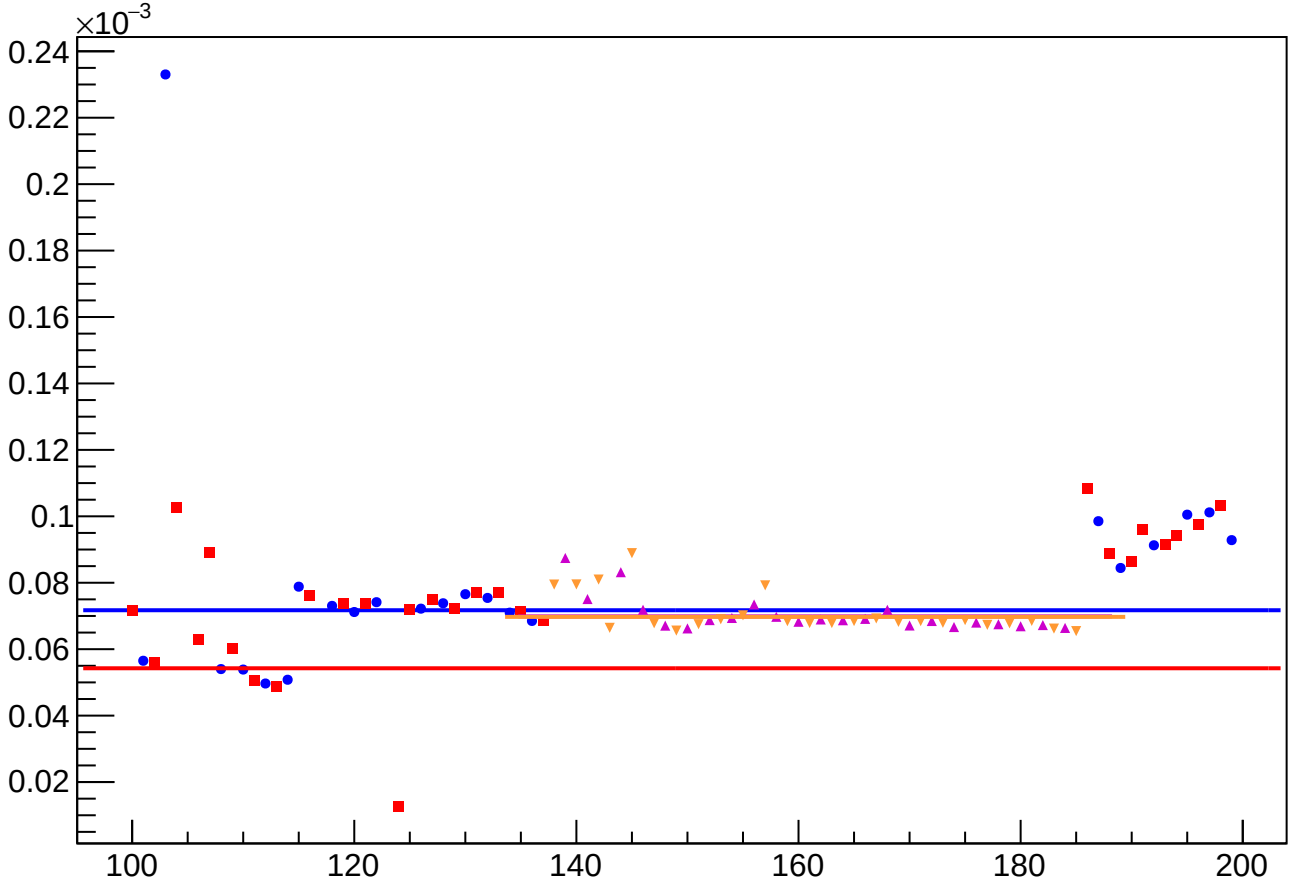
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 104618736783.1/46

All: 0.022+/-0.000 χ^2/NDF: 716566979368.5

- 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: 1473311.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

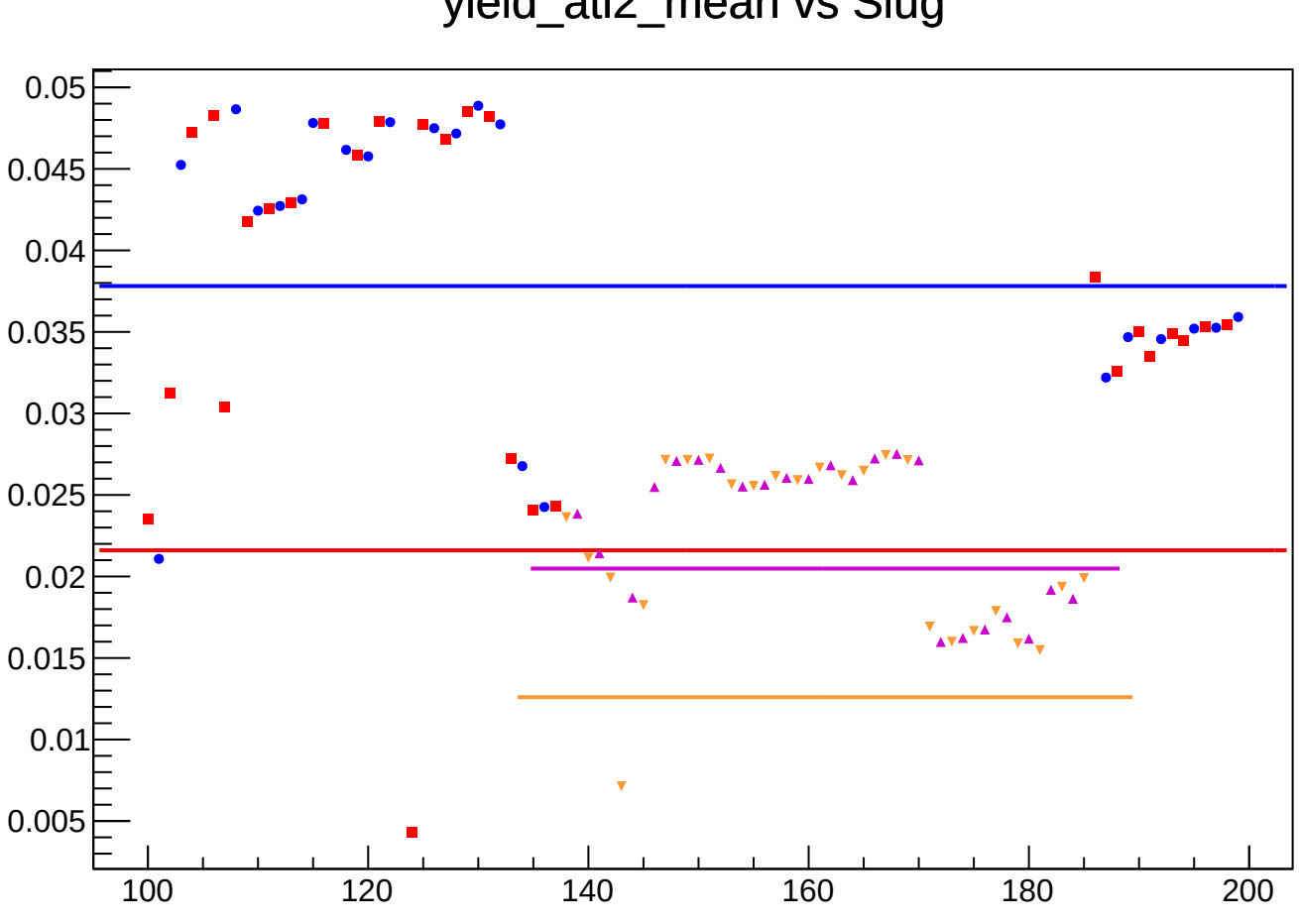
Right Out: 0.000+/-0.000 χ^2/NDF: 6160215.5/26

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1672183.4/46

All: 0.000+/-0.000 χ^2/NDF: 9180083.0/96

- sign 0.000+/-0.000 χ^2/NDF: 7134088.0/49



Right In: 0.038+/-0.000 χ^2/NDF: 7208615856.1/21

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 44918658831.7/26

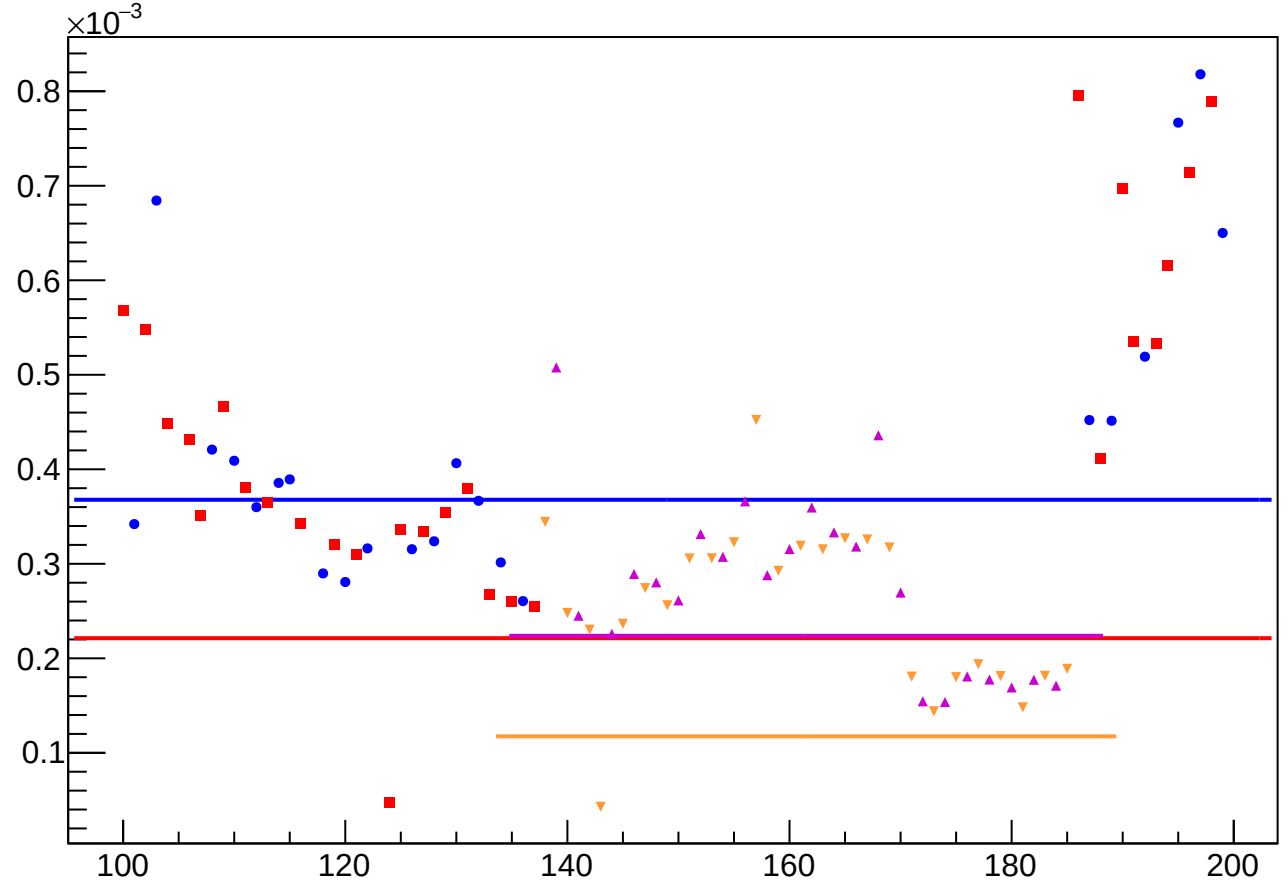
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 85514269505.3/46

All: 0.017+/-0.000 χ^2/NDF: 147237011748.9

- sign 0.021+/-0.000 χ^2/NDF: 51136996415.6/49

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2213414.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10151877.6/26

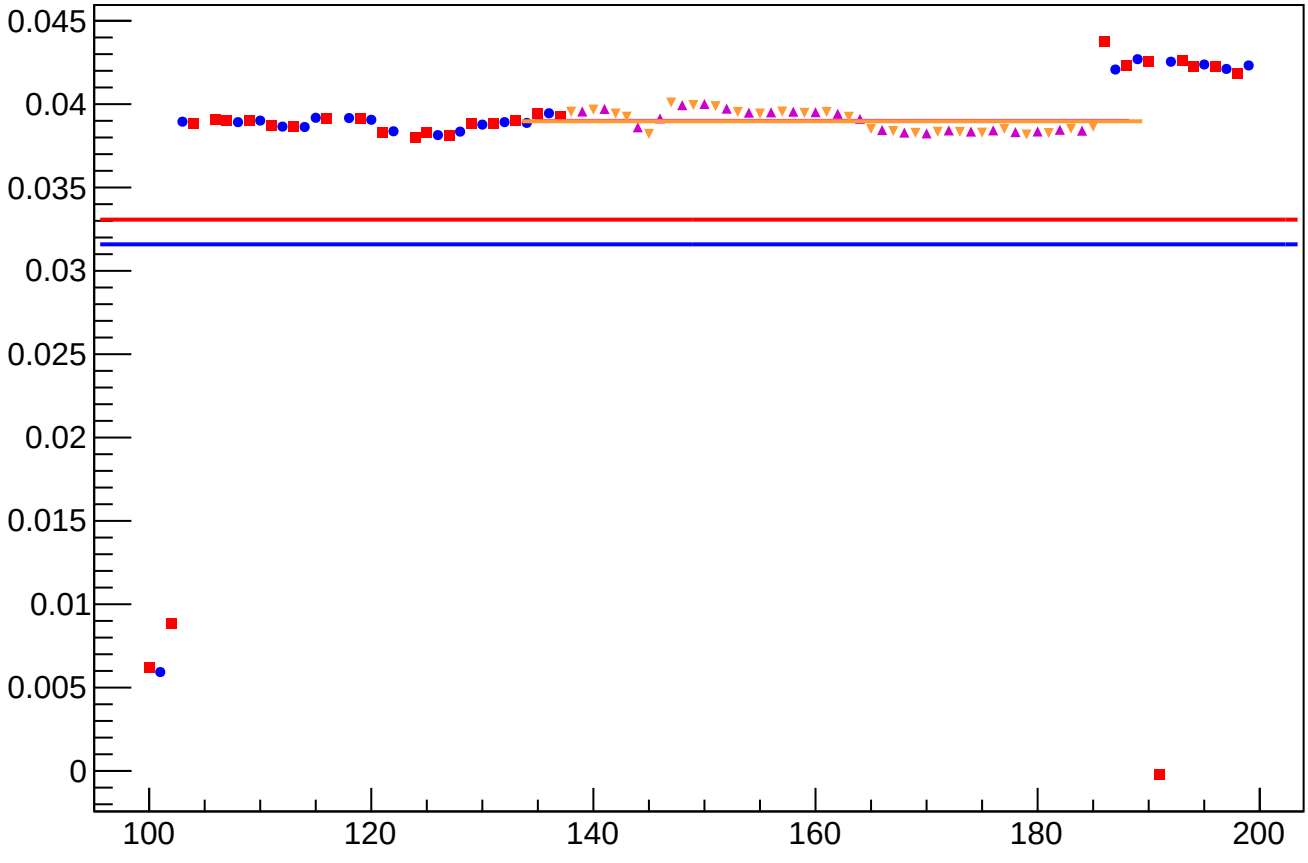
Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 24680081.6/46

All: 0.000+/-0.000 χ^2/NDF: 42280214.9/96

- sign 0.000+/-0.000 χ^2/NDF: 13541322.9/49

yield_atr1_mean vs Slug



Right In: 0.032+/-0.000 χ^2/NDF: 118474850660.0/21

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.033+/-0.000 χ^2/NDF: 112124810634.0/26

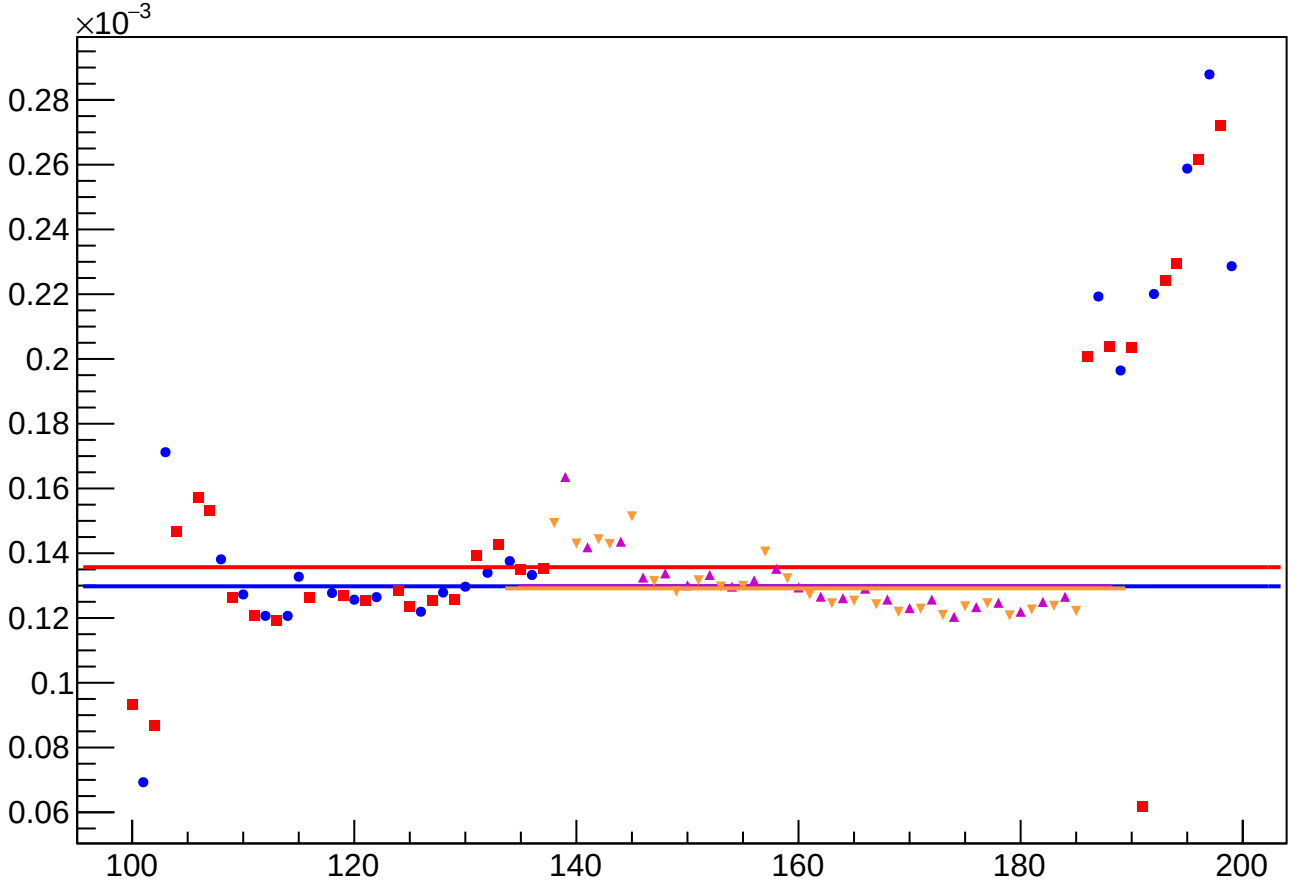
Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.036+/-0.000 χ^2/NDF: 139925537895.8/46

All: 0.037+/-0.000 χ^2/NDF: 265920709914.1

- sign 0.037+/-0.000 χ^2/NDF: 125849931438.6/49

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2807436.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2583427.3/26

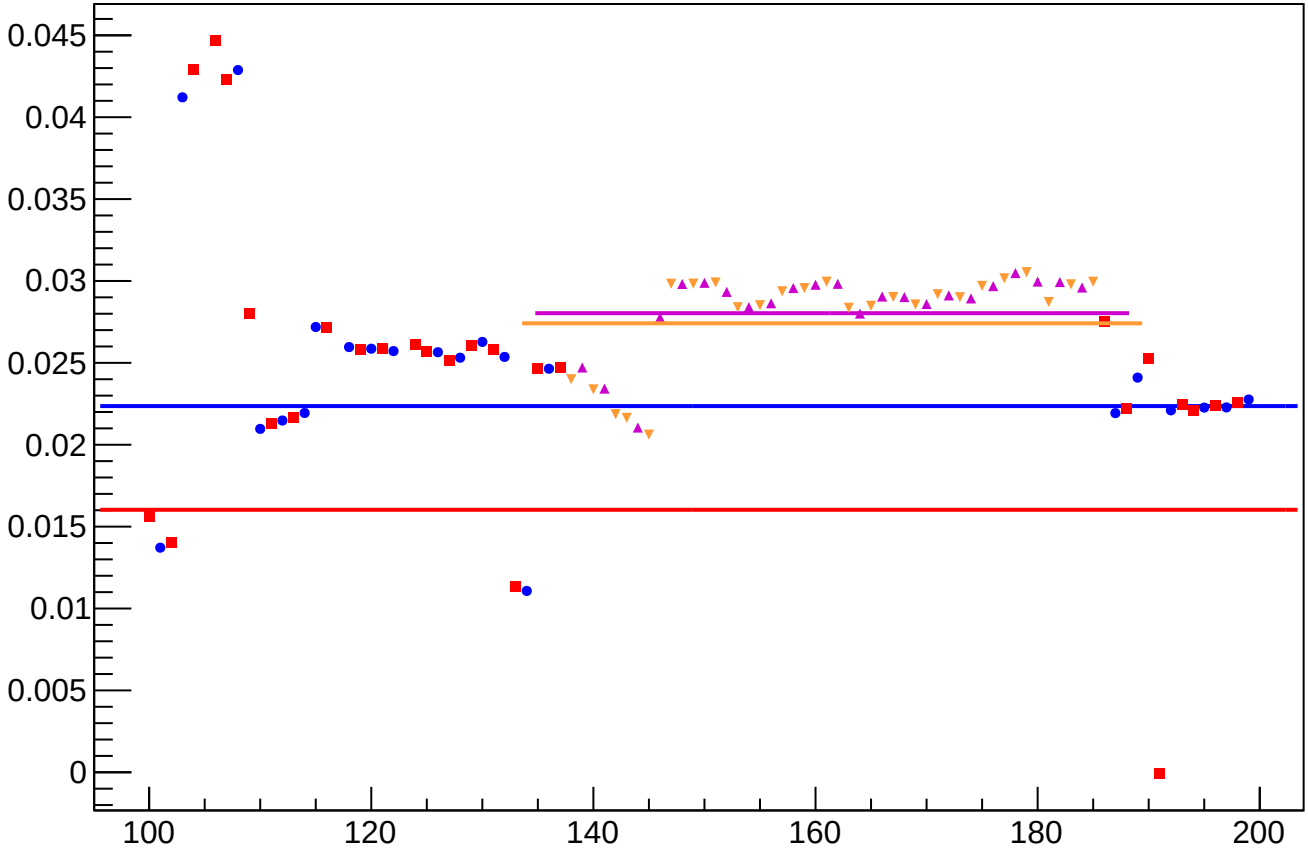
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 2965310.0/46

All: 0.000+/-0.000 χ^2/NDF: 5727835.1/96

- sign 0.000+/-0.000 χ^2/NDF: 2751800.0/49

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5024835408.5/21

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

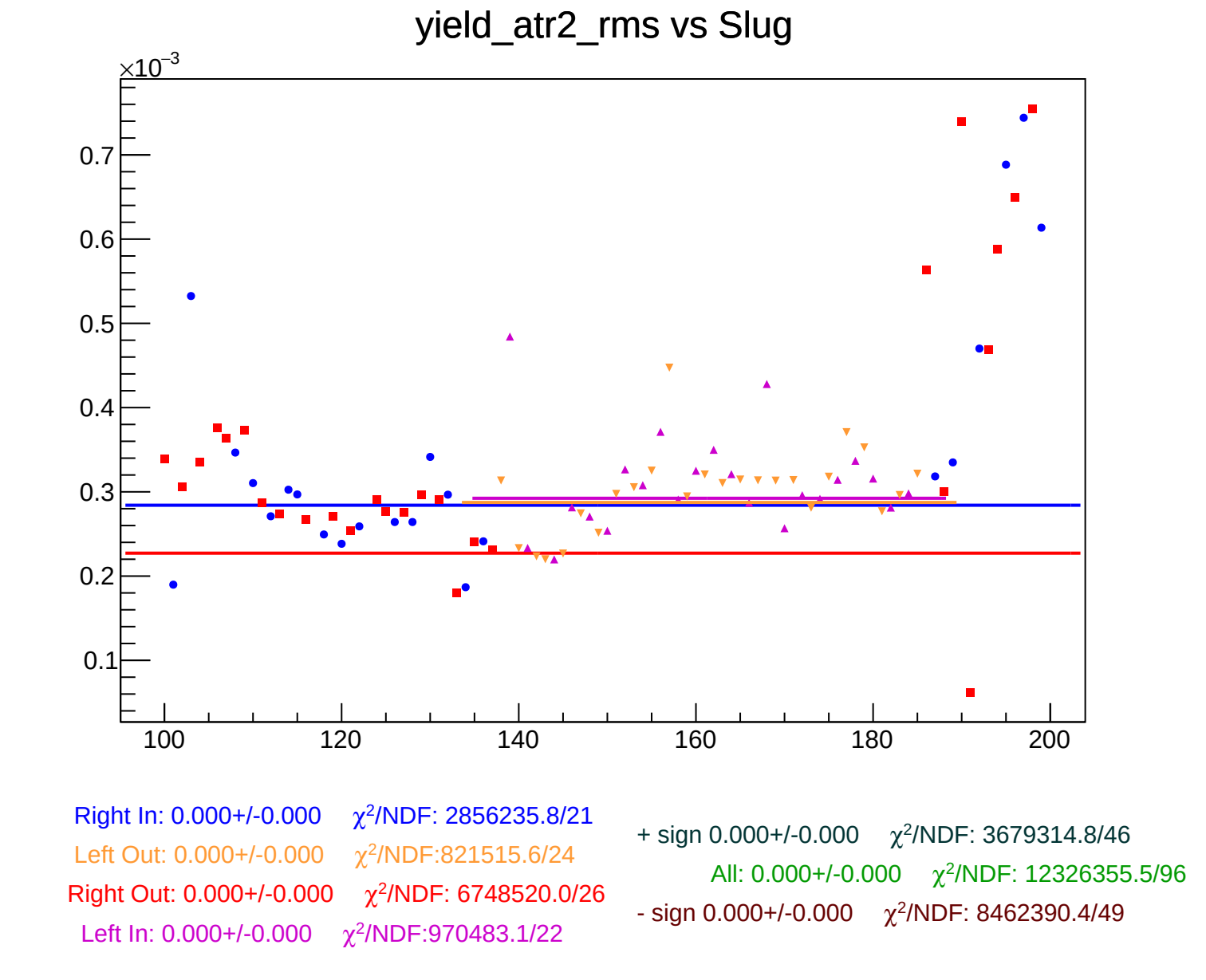
Right Out: 0.016+/-0.000 χ^2/NDF: 24987559183.8/26

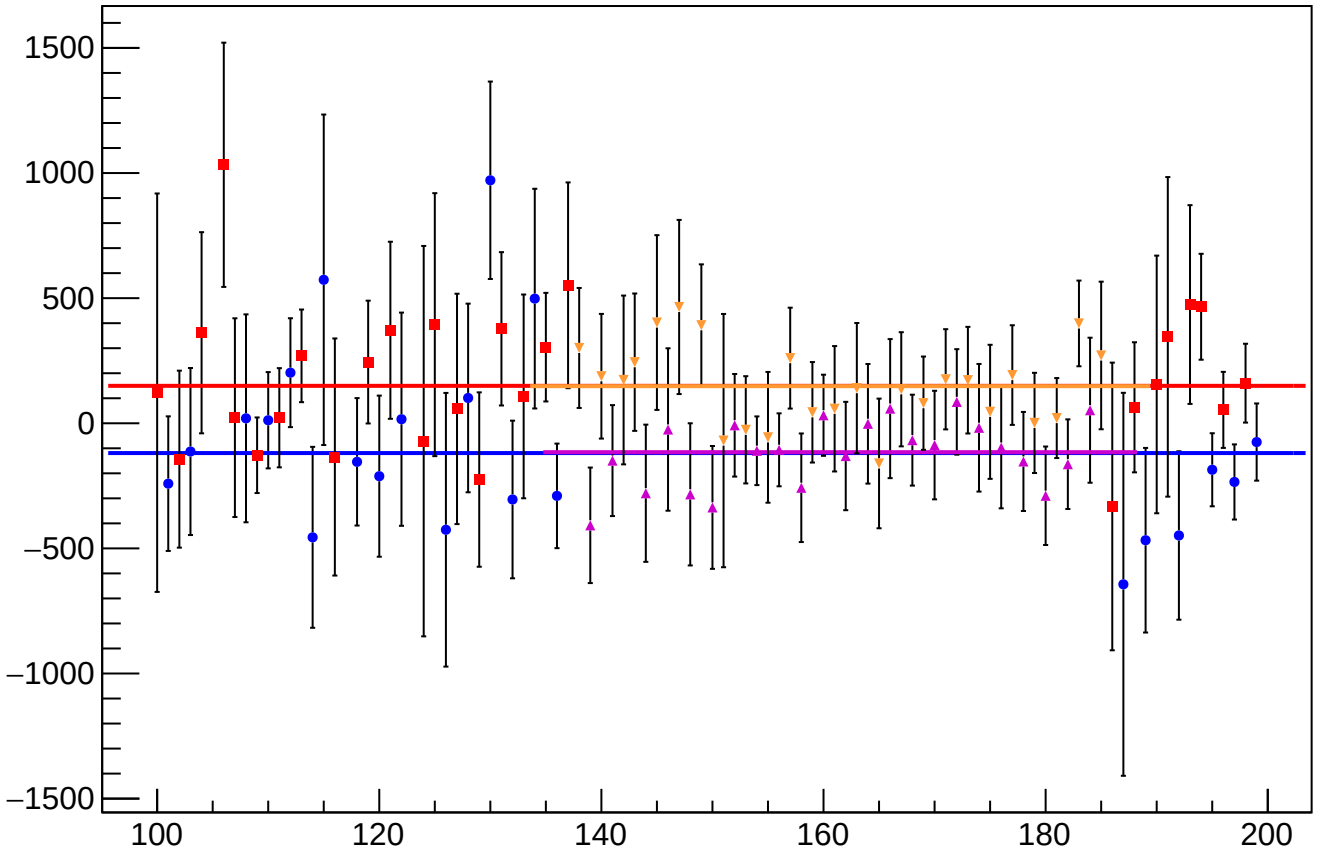
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9135281502.2/46

All: 0.024+/-0.000 χ^2/NDF: 49784393096.2/9

- 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: 2856235.8/21
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: 3679314.8/46
All: 0.000+/-0.000 χ²/NDF: 12326355.5/96
- sign 0.000+/-0.000 χ²/NDF: 8462390.4/49



Right In: -119.052+/-55.603 χ^2/NDF: 19.6/21

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 149.611+/-53.287 χ^2/NDF: 17.2/26

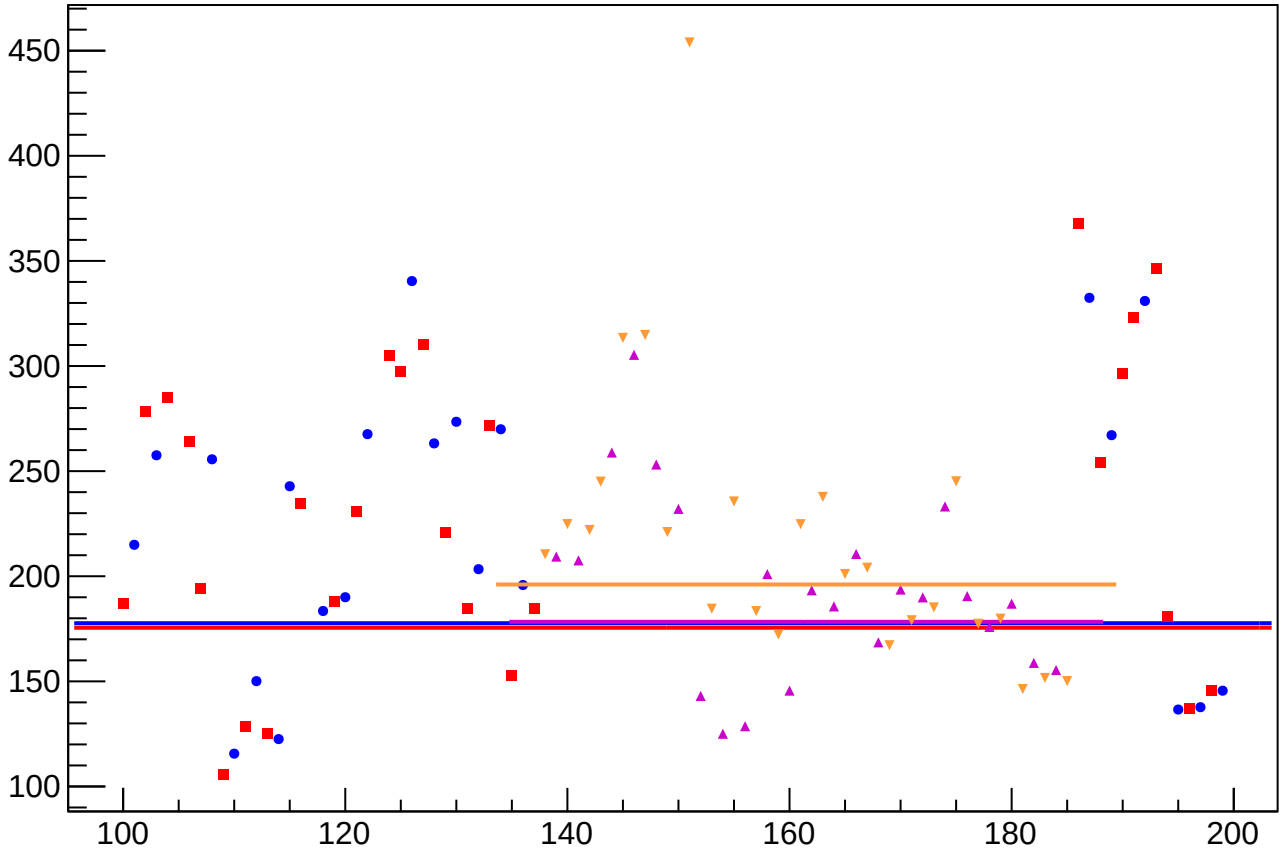
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 39.040+/-35.543 χ^2/NDF: 43.7/46

All: 13.618+/-24.466 χ^2/NDF: 84.4/96

- 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: 177.662+/-0.039 χ^2/NDF: 2138214.7/21

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

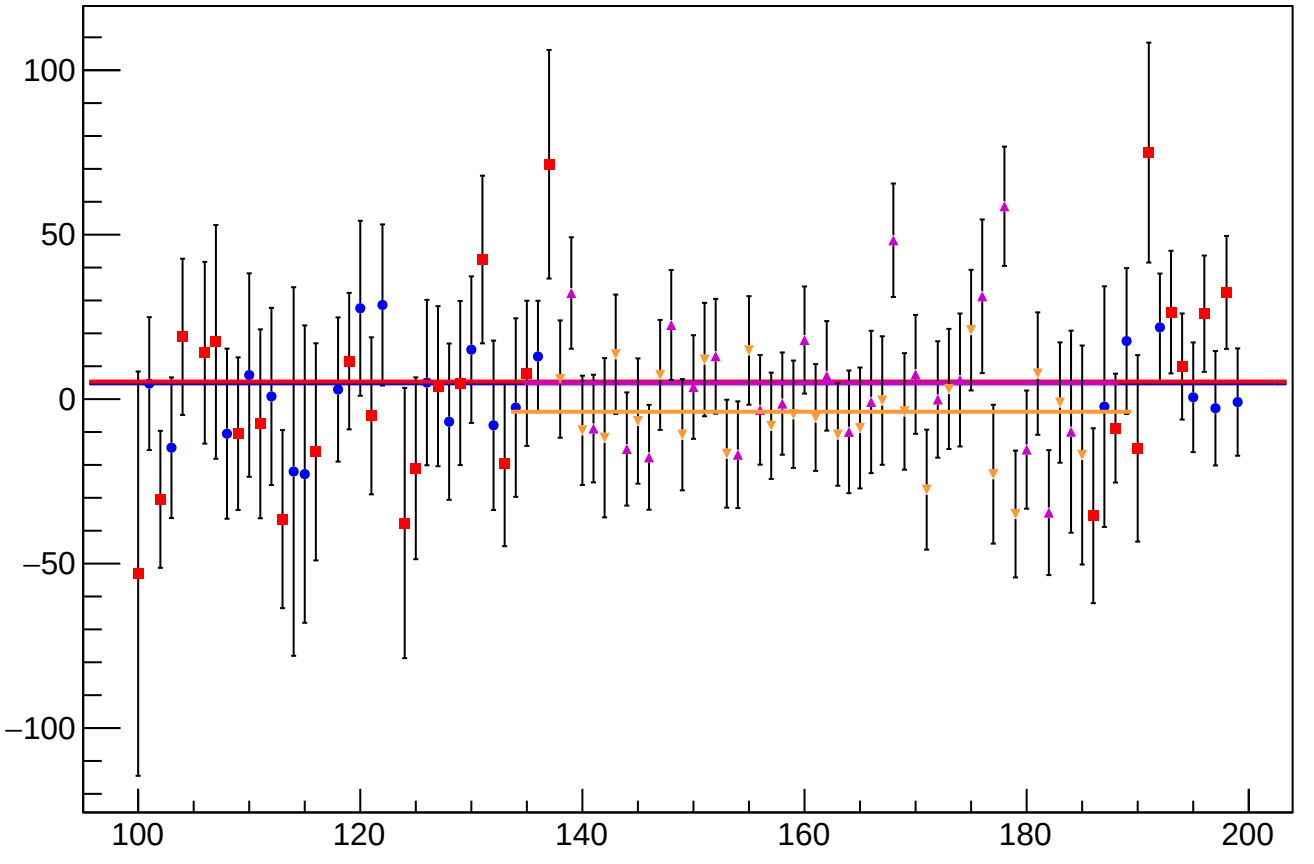
Right Out: 175.506+/-0.038 χ^2/NDF: 2860025.8/26

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 188.558+/-0.025 χ^2/NDF: 4086575.1/46

All: 182.577+/-0.017 χ^2/NDF: 8735903.5/96

- sign 177.191+/-0.024 χ^2/NDF: 4541701.0/49



Right In: 4.796+/-4.799 χ^2/NDF: 6.3/21

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

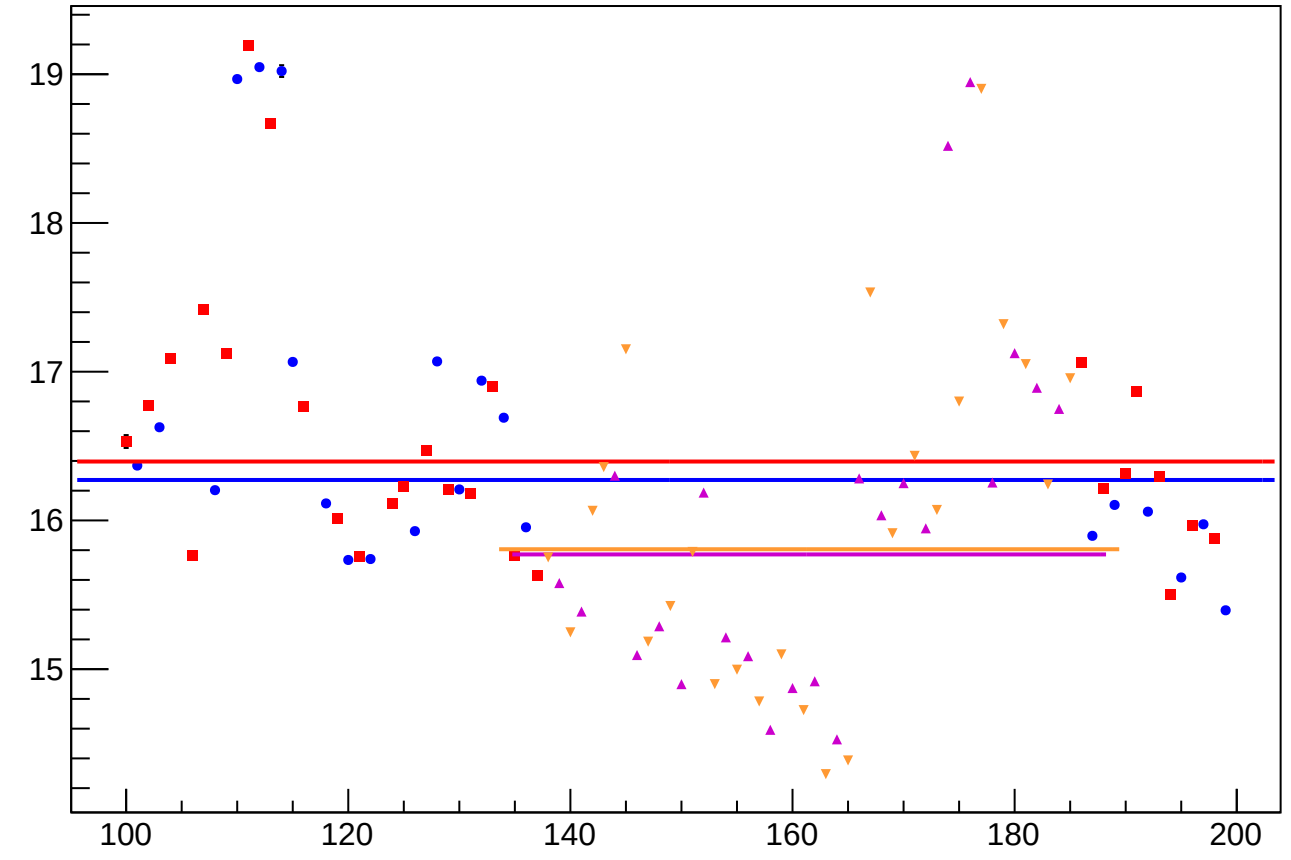
Right Out: 5.343+/-4.583 χ^2/NDF: 30.0/26

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign -0.724+/-2.881 χ^2/NDF: 21.3/46

All: 2.181+/-2.036 χ^2/NDF: 87.2/96

- sign 5.077+/-2.877 χ^2/NDF: 63.9/49



Right In: 16.272+/-0.003 χ^2/NDF: 59622.0/21

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

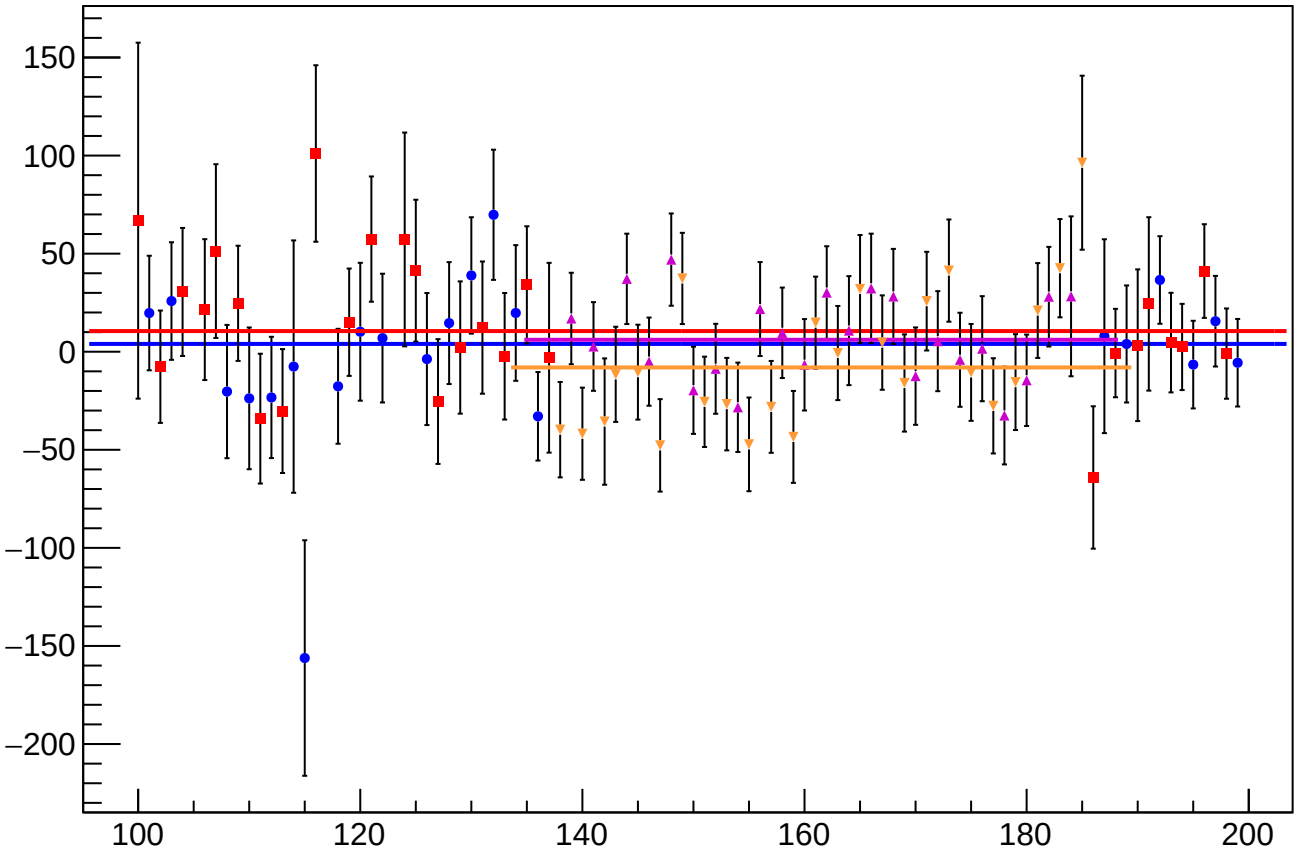
Right Out: 16.396+/-0.003 χ^2/NDF: 57466.2/26

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 15.974+/-0.002 χ^2/NDF: 244318.3/46

All: 15.996+/-0.001 χ^2/NDF: 476659.6/96

\- sign 16.017+/-0.002 χ^2/NDF: 232114.7/49



Right In: 3.977+/-6.379 χ^2/NDF: 21.6/21

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 10.529+/-6.088 χ^2/NDF: 22.4/26

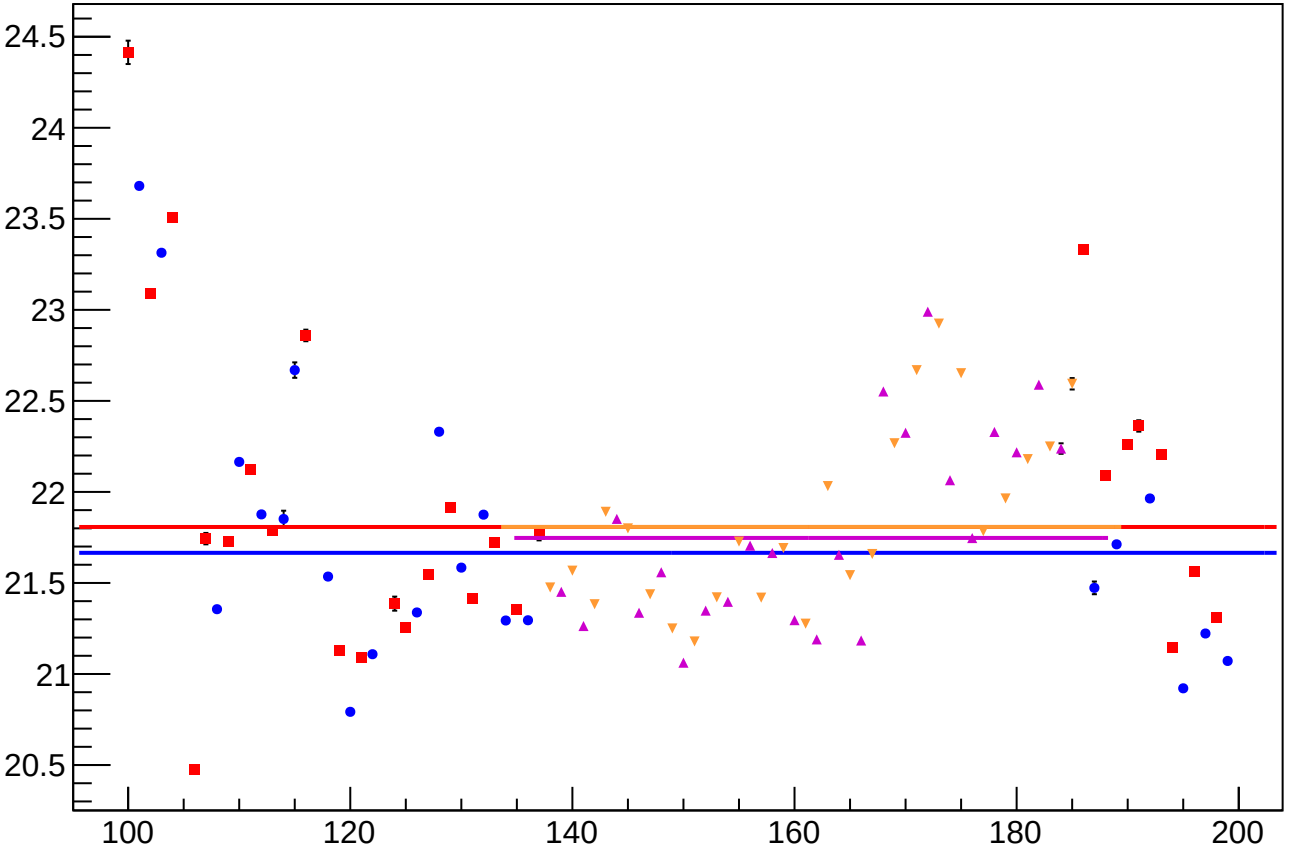
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -3.502+/-3.914 χ^2/NDF: 62.7/46

All: 2.223+/-2.763 χ^2/NDF: 107.5/96

\- sign 7.910+/-3.900 χ^2/NDF: 40.6/49

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.665+/-0.005 χ^2/NDF: 25372.6/21

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

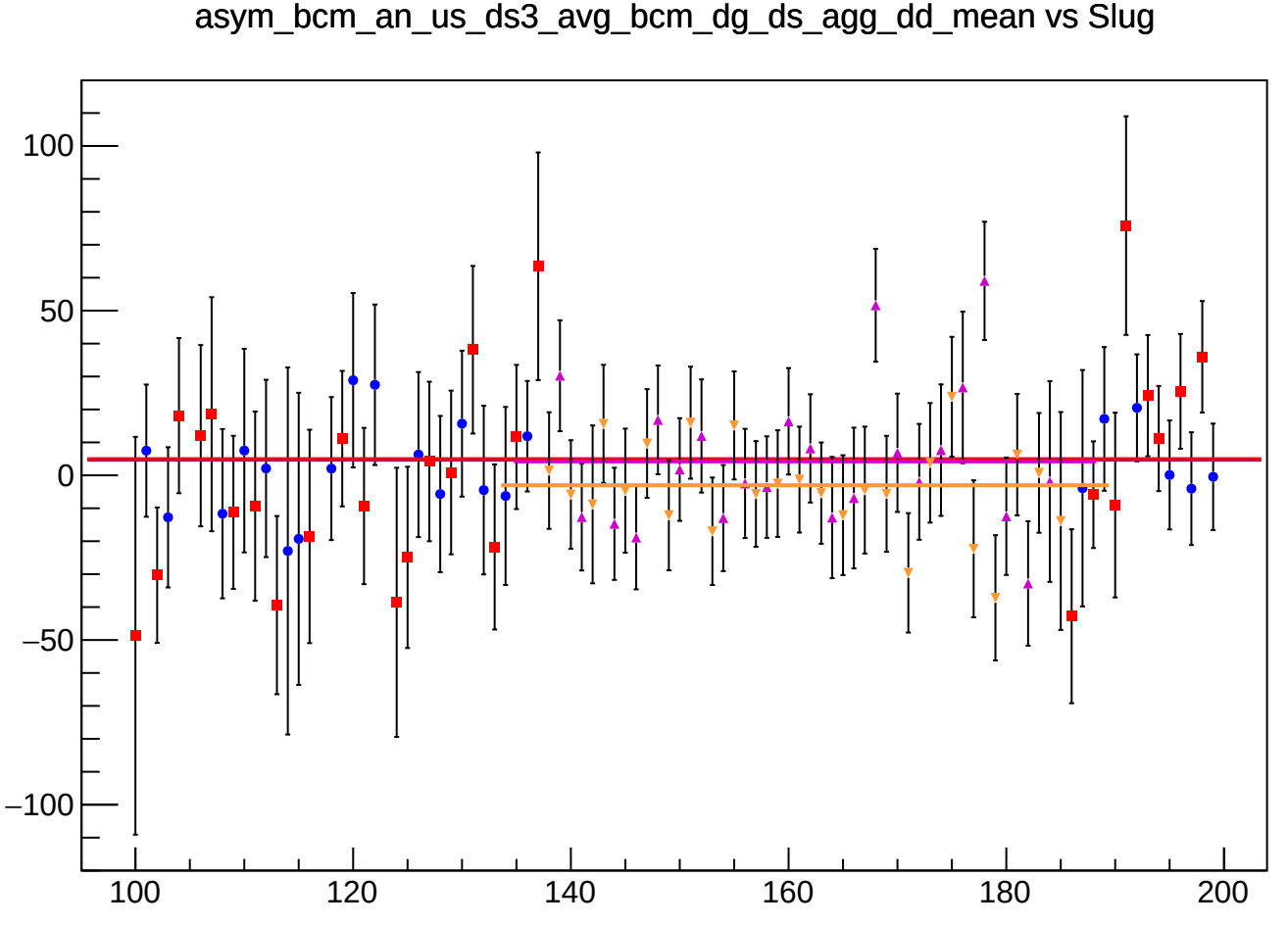
Right Out: 21.807+/-0.004 χ^2/NDF: 26754.8/26

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.754+/-0.003 χ^2/NDF: 43553.8/46

All: 21.763+/-0.002 χ^2/NDF: 91005.3/96

- sign 21.772+/-0.003 χ^2/NDF: 47430.7/49



Right In: 4.818+/-4.761 χ^2/NDF: 6.1/21

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

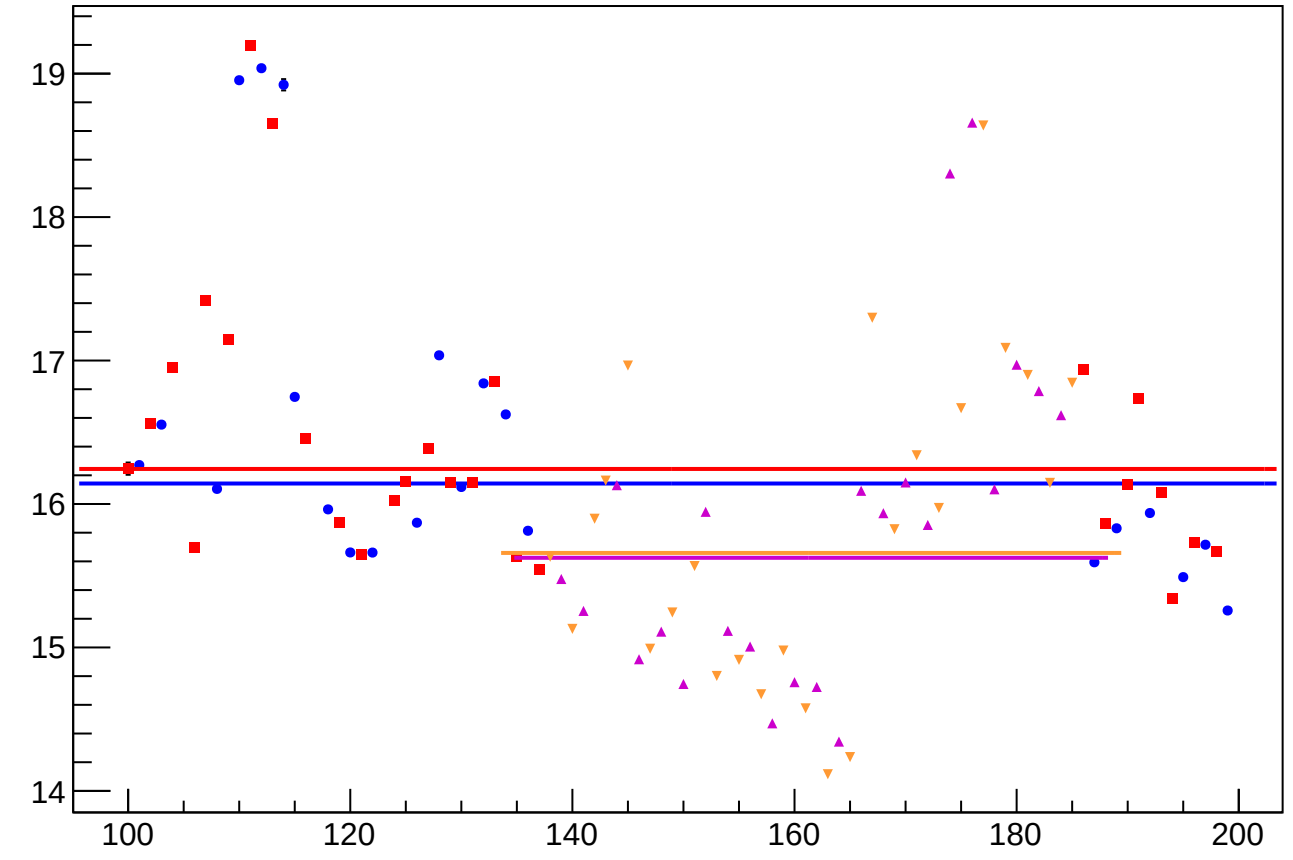
Right Out: 4.889+/-4.542 χ^2/NDF: 31.3/26

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

\+ sign -0.189+/-2.856 χ^2/NDF: 22.4/46

All: 2.160+/-2.017 χ^2/NDF: 88.9/96

\- sign 4.501+/-2.850 χ^2/NDF: 65.2/49



Right In: 16.143+/-0.003 χ^2/NDF: 64956.3/21

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

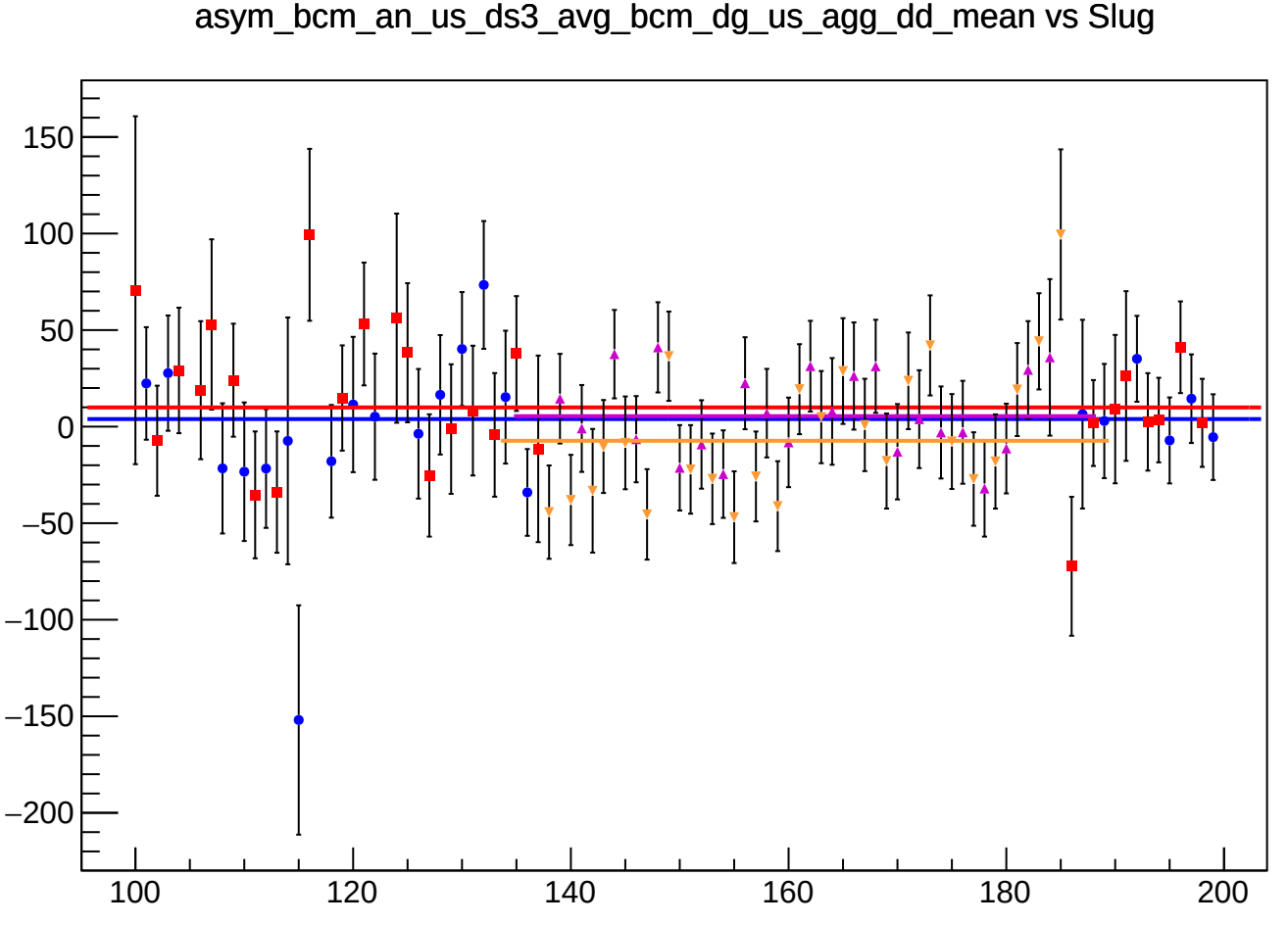
Right Out: 16.244+/-0.003 χ^2/NDF: 64498.3/26

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.833+/-0.002 χ^2/NDF: 248020.3/46

All: 15.851+/-0.001 χ^2/NDF: 485649.7/96

\- sign 15.869+/-0.002 χ^2/NDF: 237470.8/49



Right In: 3.915+/-6.348 χ^2/NDF: 22.1/21

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

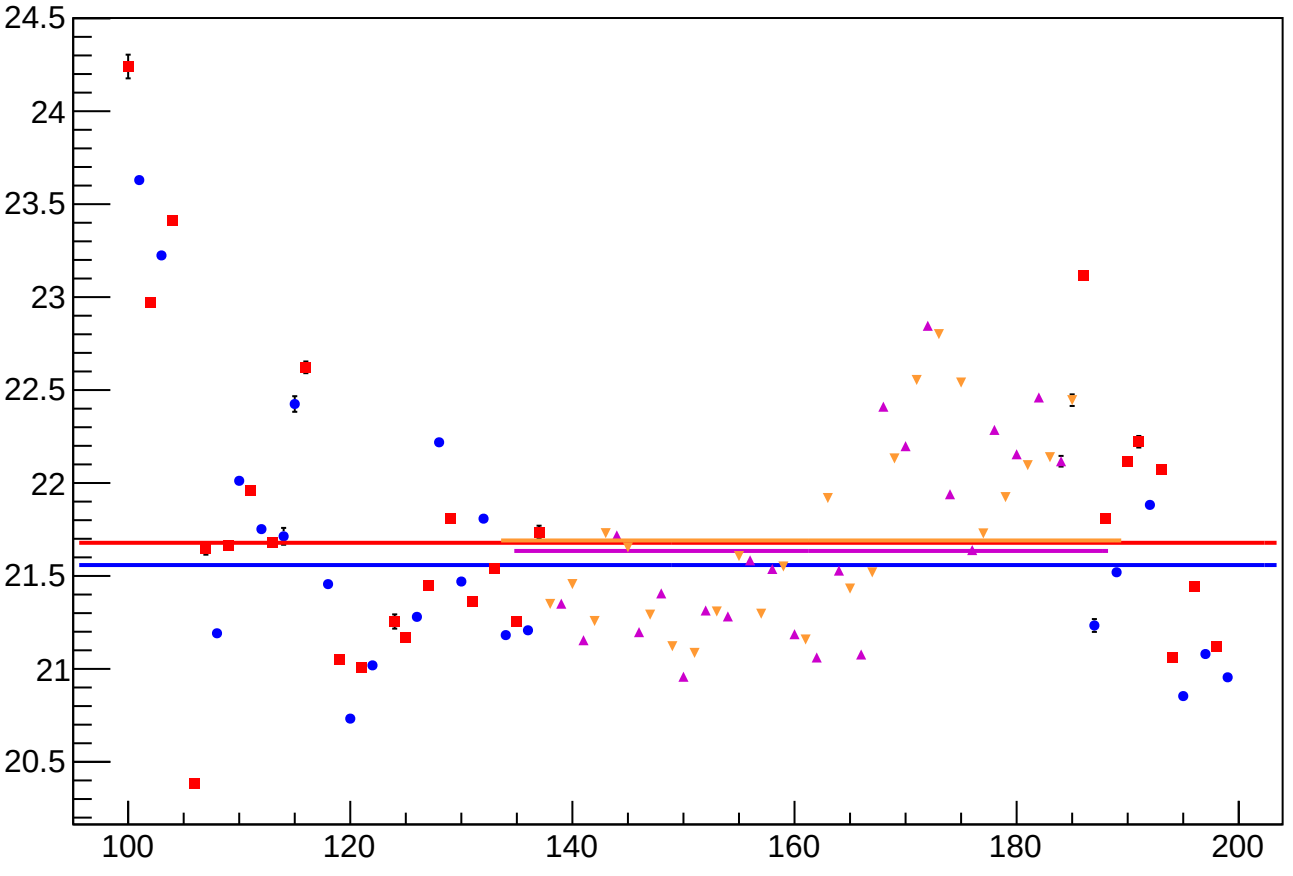
Right Out: 9.942+/-6.052 χ^2/NDF: 23.7/26

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -3.093+/-3.893 χ^2/NDF: 62.7/46

All: 2.116+/-2.748 χ^2/NDF: 107.5/96

- sign 7.287+/-3.879 χ^2/NDF: 41.3/49



Right In: 21.559+/-0.004 χ^2/NDF: 25857.7/21

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.678+/-0.004 χ^2/NDF: 25628.5/26

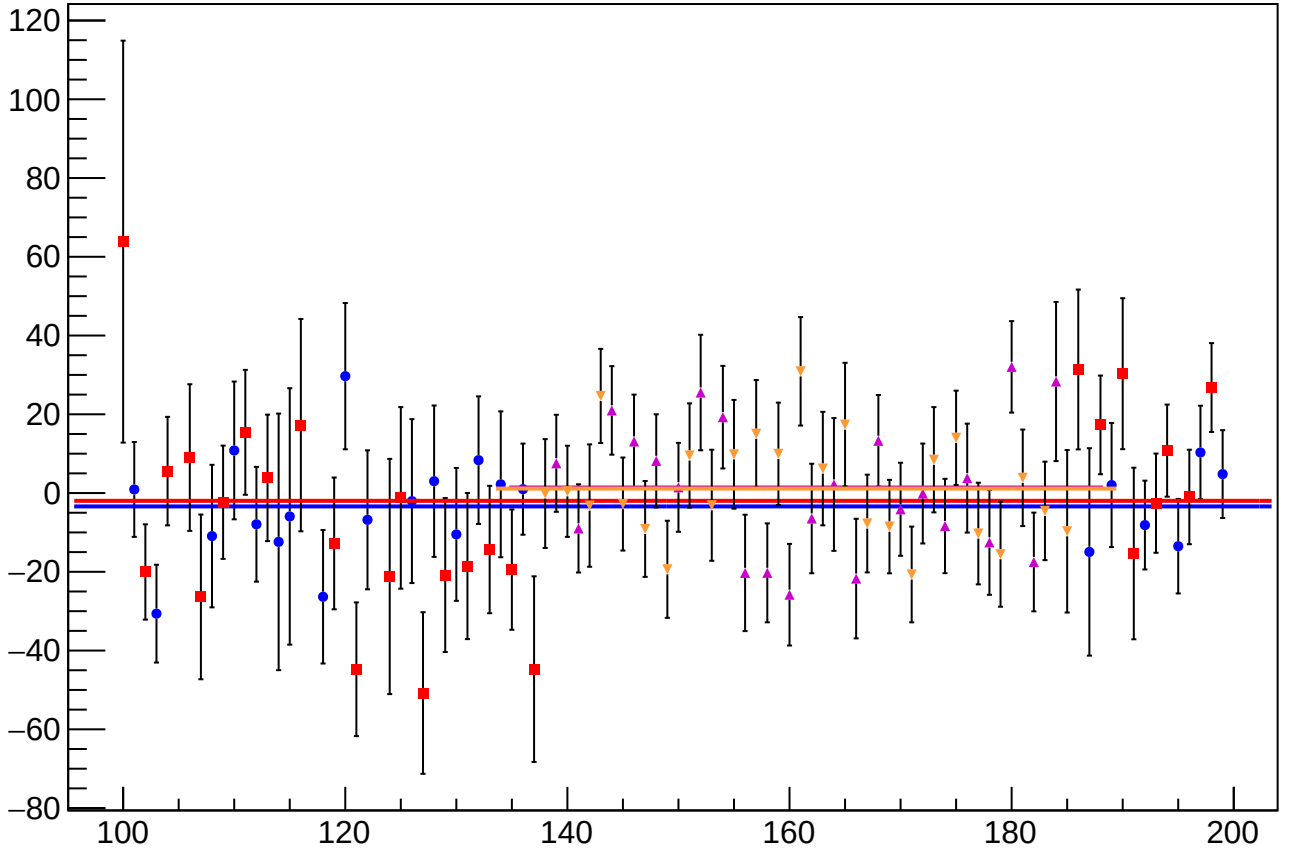
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.641+/-0.003 χ^2/NDF: 44334.1/46

All: 21.647+/-0.002 χ^2/NDF: 90594.6/96

- sign 21.653+/-0.003 χ^2/NDF: 46251.9/49

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.396+/-3.261 χ^2/NDF: 15.1/21

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -1.974+/-3.137 χ^2/NDF: 43.5/26

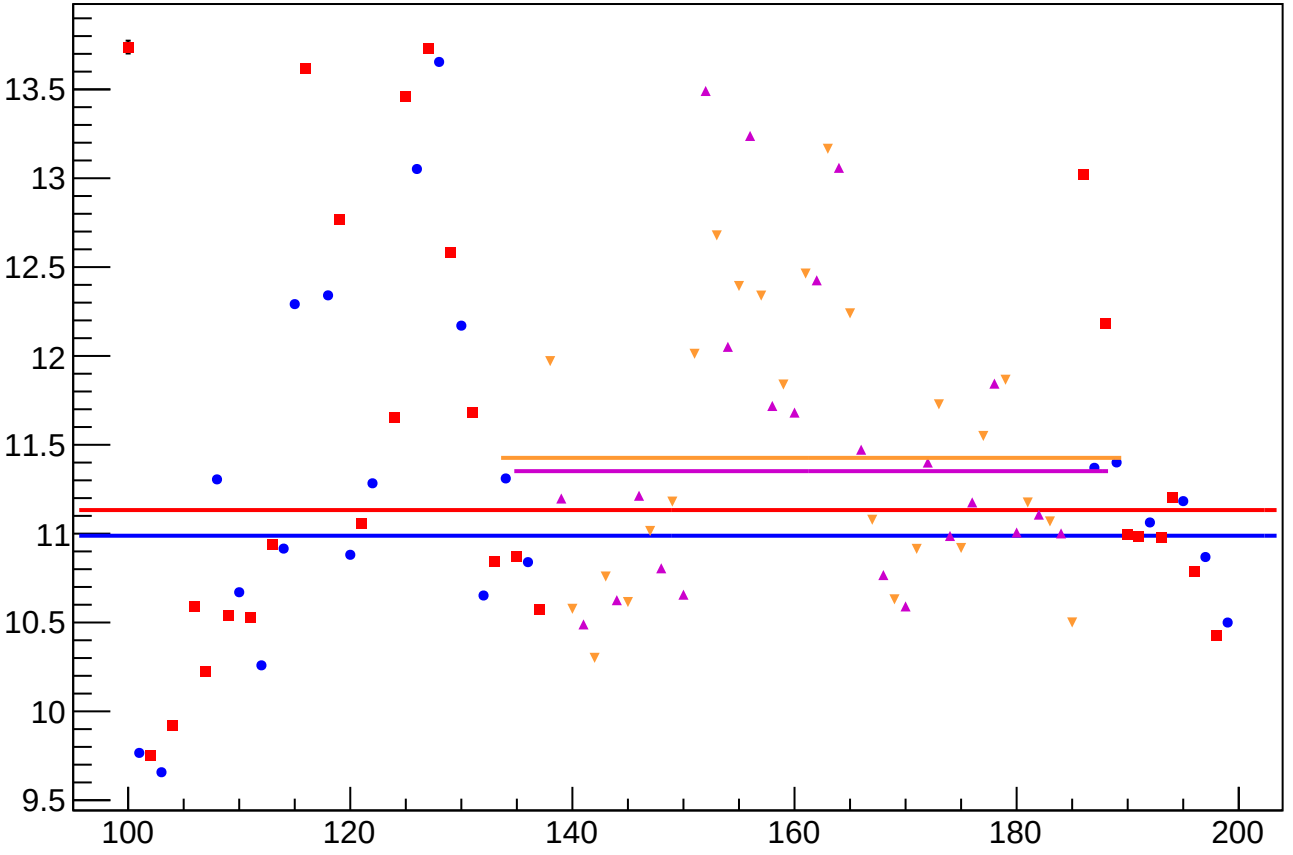
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.640+/-2.043 χ^2/NDF: 40.8/46

All: -0.327+/-1.442 χ^2/NDF: 121.3/96

- 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: 10.988+/-0.002 χ^2/NDF: 142615.2/21

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

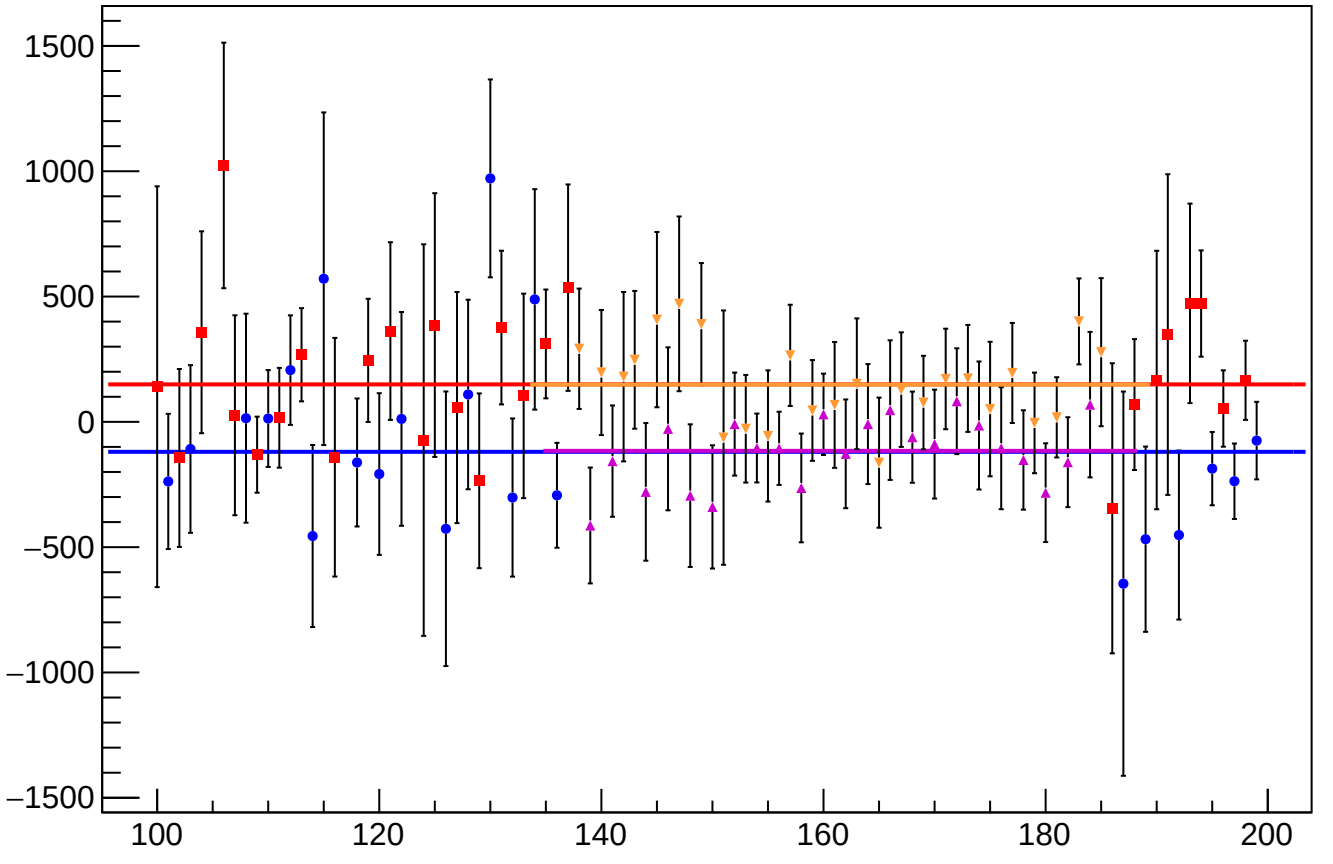
Right Out: 11.133+/-0.002 χ^2/NDF: 204569.1/26

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.255+/-0.001 χ^2/NDF: 321528.4/46

All: 11.257+/-0.001 χ^2/NDF: 702311.8/96

- sign 11.260+/-0.001 χ^2/NDF: 380777.6/49



Right In: -119.584+/-55.756 χ^2/NDF: 19.6/21

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 149.544+/-53.443 χ^2/NDF: 17.2/26

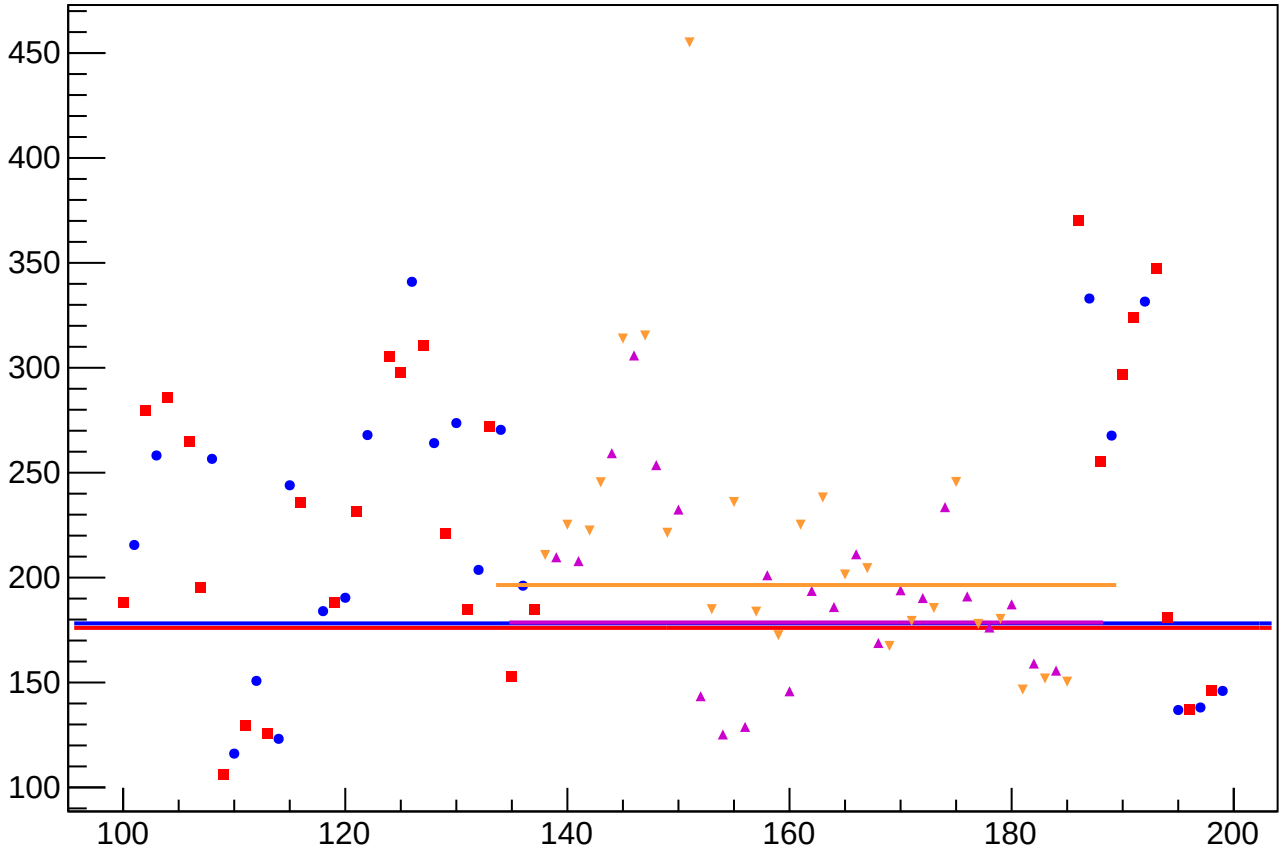
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 39.308+/-35.623 χ^2/NDF: 43.8/46

All: 13.576+/-24.520 χ^2/NDF: 84.6/96

- sign -9.594+/-33.803 χ^2/NDF: 39.8/49

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 178.175+/-0.039 χ^2/NDF: 2132332.0/21

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

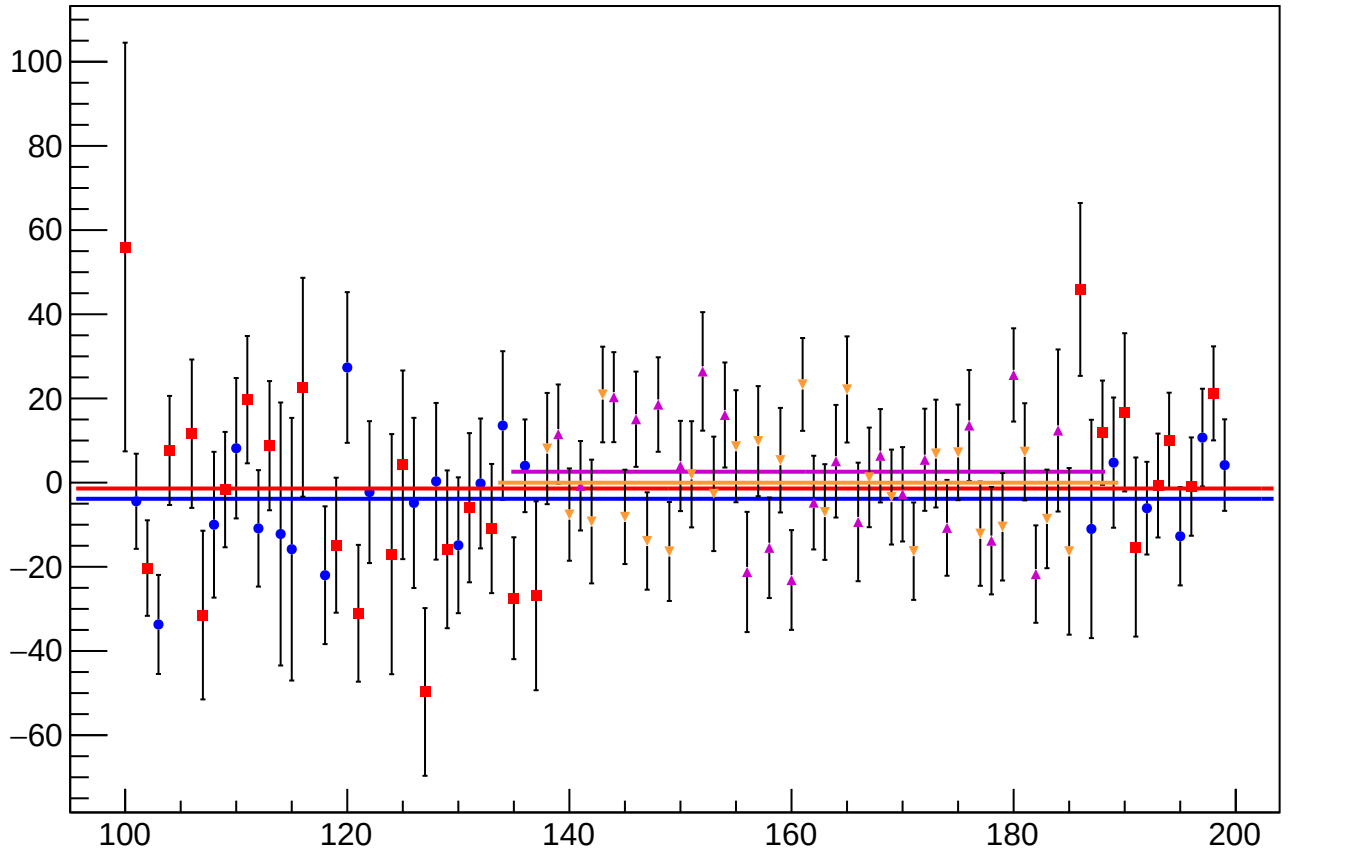
Right Out: 176.034+/-0.038 χ^2/NDF: 2856078.6/26

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 188.993+/-0.025 χ^2/NDF: 4078289.1/46

All: 182.988+/-0.017 χ^2/NDF: 8724016.3/96

- sign 177.582+/-0.024 χ^2/NDF: 4537735.6/49



Right In: -3.839+/-3.138 χ^2/NDF: 17.0/21

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

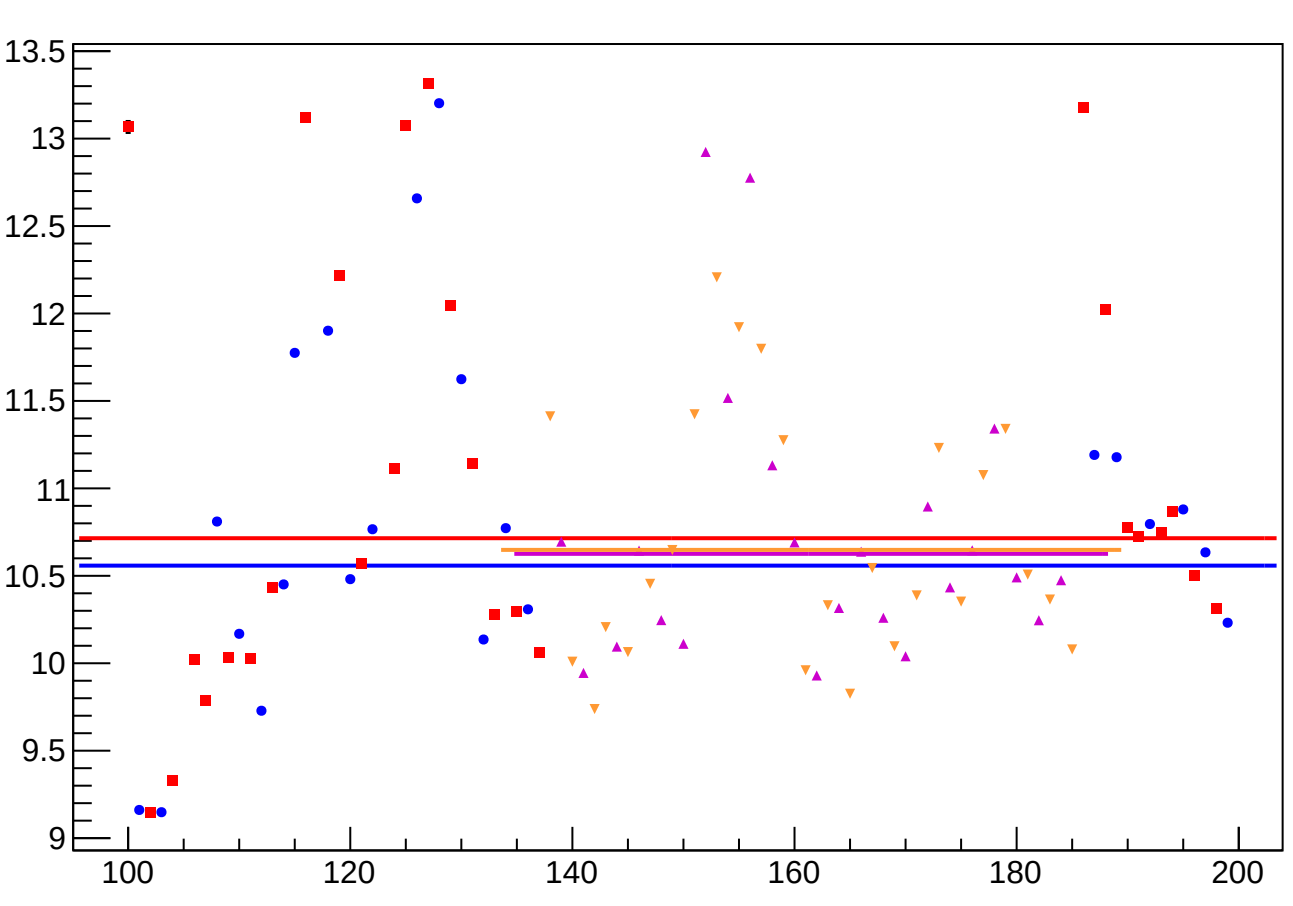
Right Out: -1.398+/-3.024 χ^2/NDF: 39.5/26

Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.461+/-1.929 χ^2/NDF: 41.7/46

All: -0.247+/-1.364 χ^2/NDF: 117.7/96

- sign 0.967+/-1.930 χ^2/NDF: 75.3/49



Right In: 10.558+/-0.002 χ^2/NDF: 167092.9/21

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

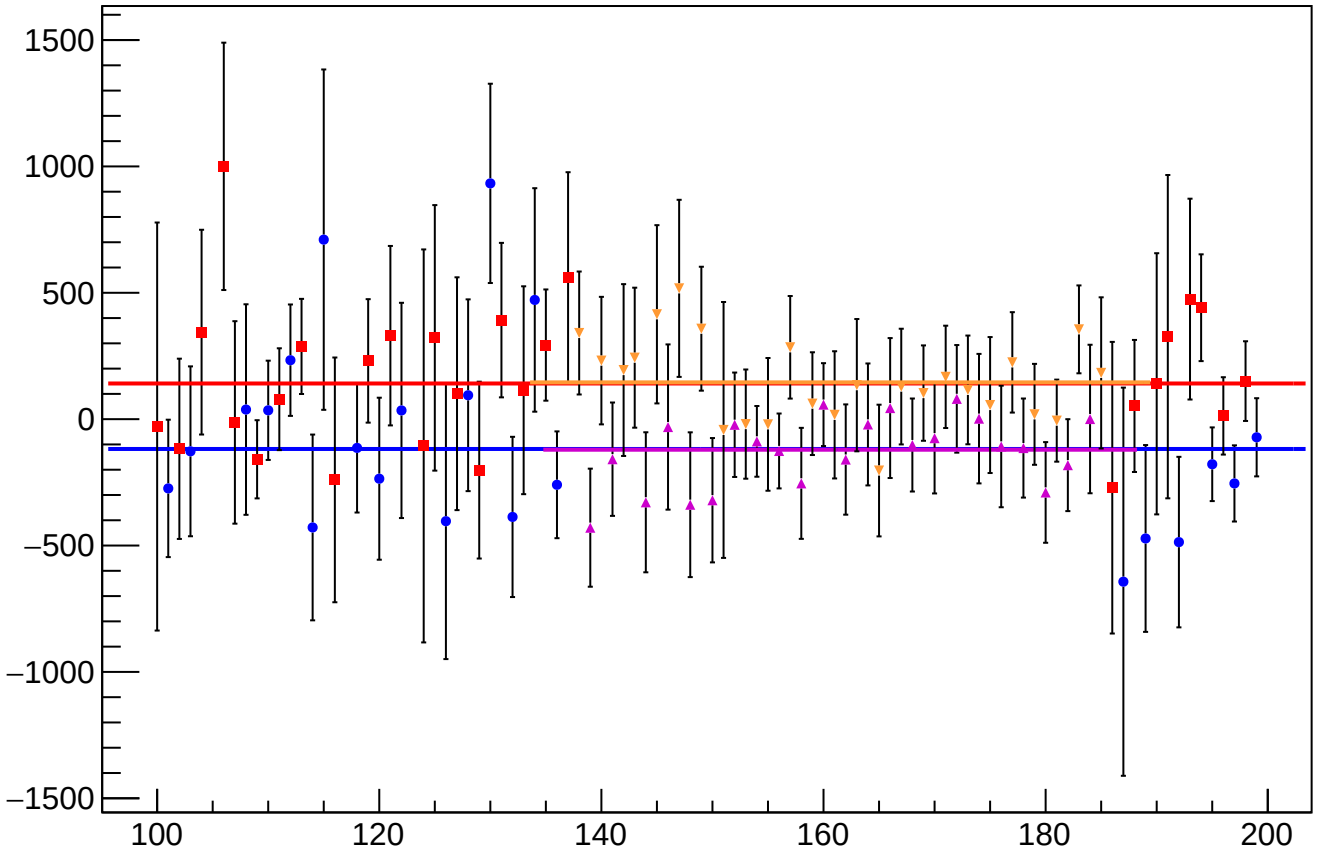
Right Out: 10.715+/-0.002 χ^2/NDF: 245403.2/26

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.614+/-0.001 χ^2/NDF: 311652.9/46

All: 10.638+/-0.001 χ^2/NDF: 718246.8/96

- sign 10.662+/-0.001 χ^2/NDF: 405980.6/49



Right In: -117.922+/-55.925 χ^2/NDF: 20.4/21

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 141.175+/-53.740 χ^2/NDF: 17.0/26

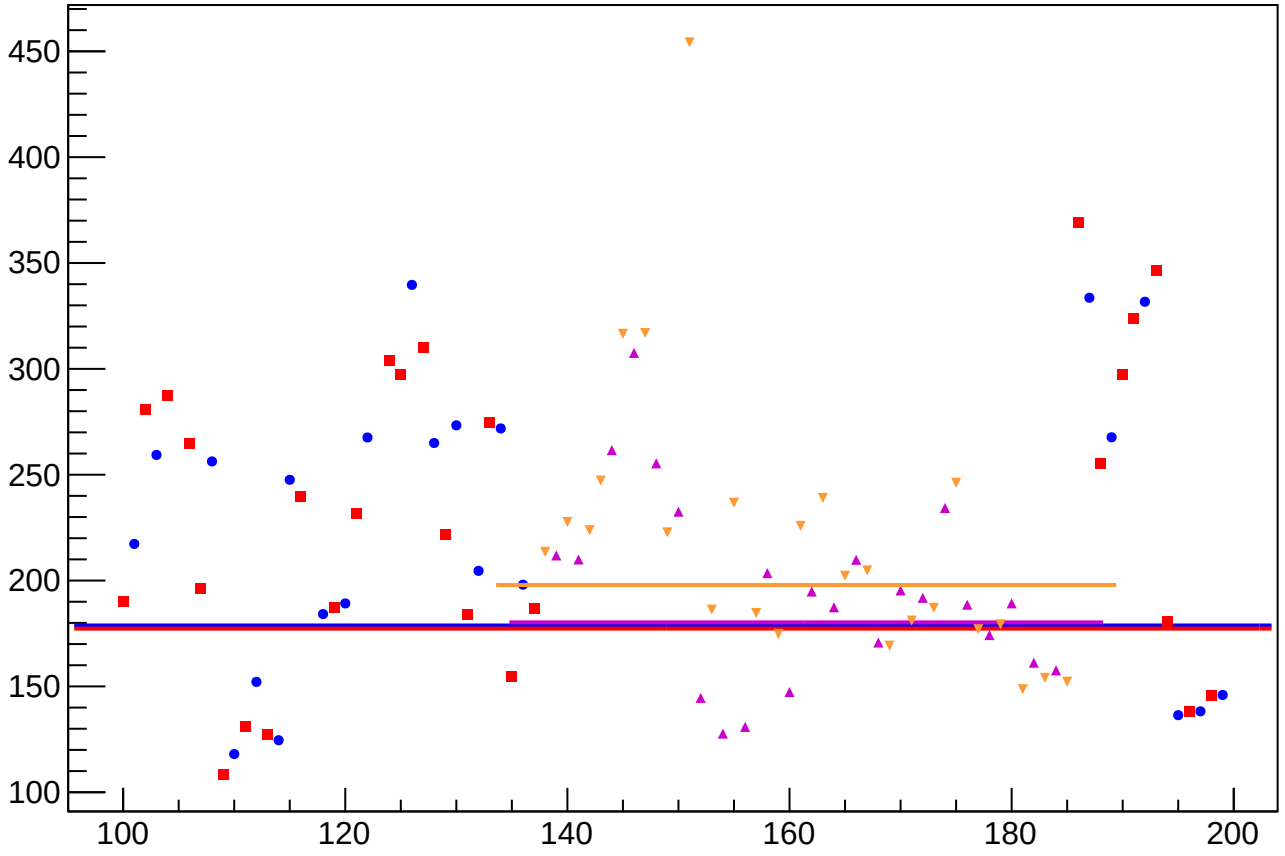
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 37.542+/-35.806 χ^2/NDF: 43.8/46

All: 9.561+/-24.671 χ^2/NDF: 84.5/96

- 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: 178.779+/-0.040 χ^2/NDF: 2121906.9/21

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

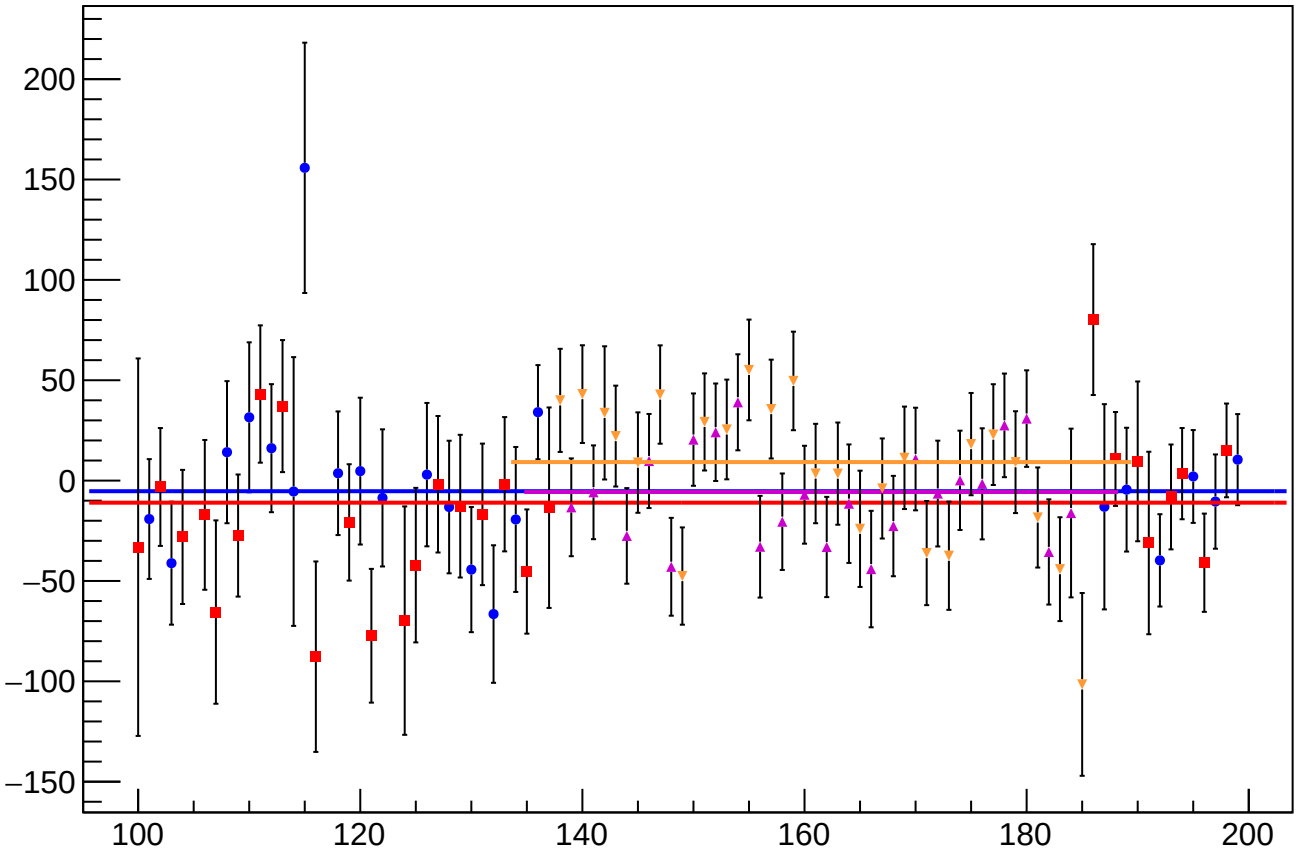
Right Out: 177.307+/-0.038 χ^2/NDF: 2791670.8/26

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 190.056+/-0.025 χ^2/NDF: 4048572.8/46

All: 184.284+/-0.017 χ^2/NDF: 8570540.1/96

- sign 179.068+/-0.024 χ^2/NDF: 4423035.1/49



Right In: -5.283+/-6.602 χ^2/NDF: 20.9/21

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

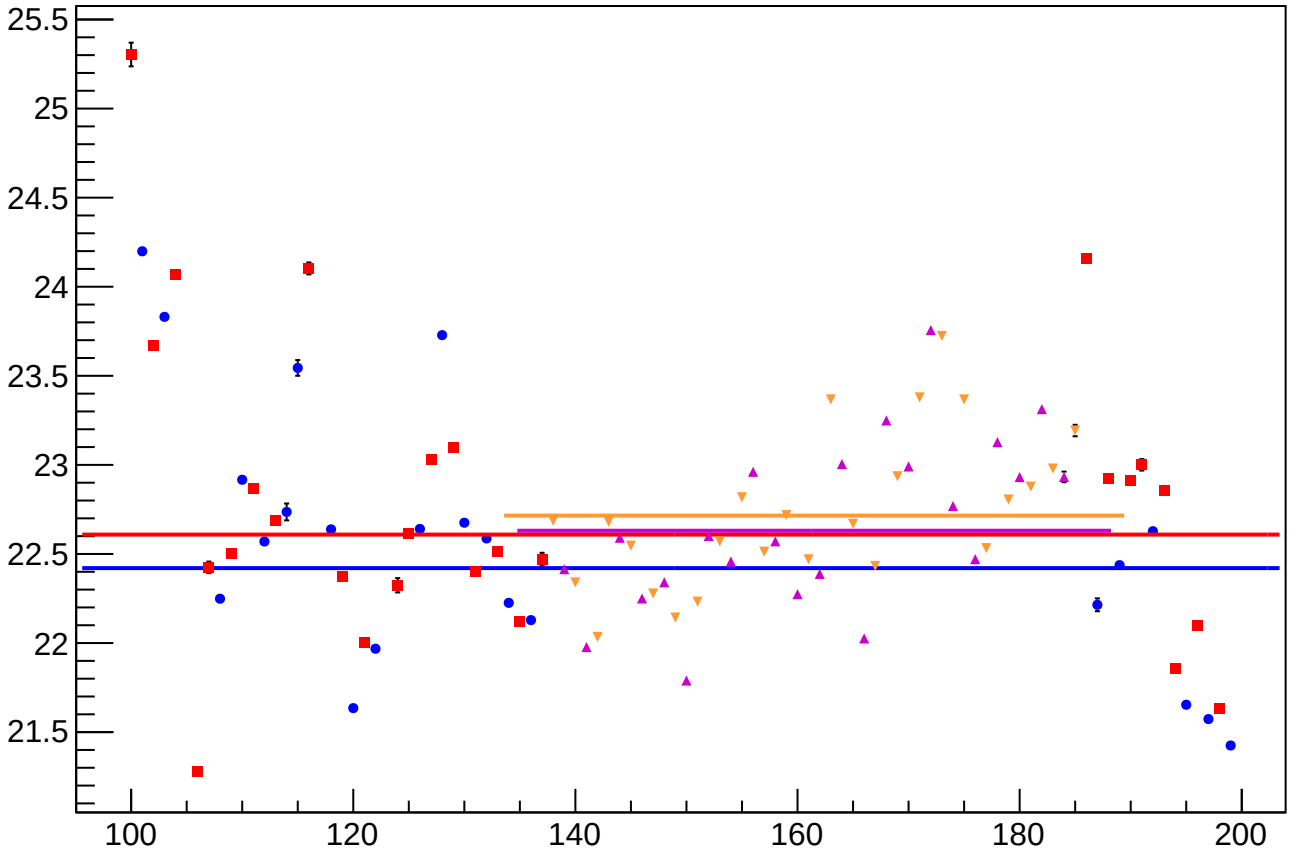
Right Out: -10.995+/-6.312 χ^2/NDF: 27.0/26

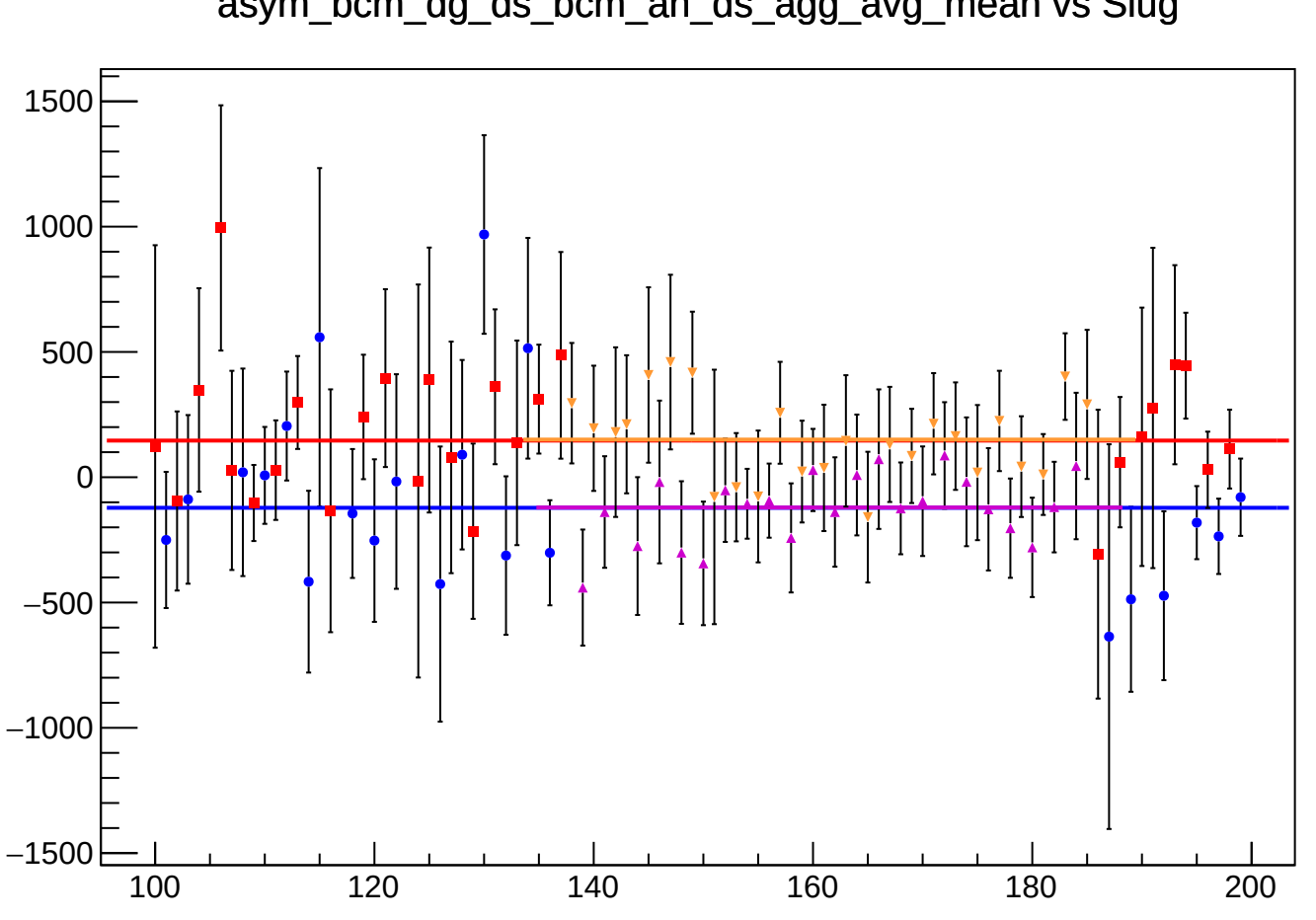
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.726+/-4.067 χ^2/NDF: 63.3/46

All: -2.089+/-2.871 χ^2/NDF: 115.6/96

- sign -7.864+/-4.053 χ^2/NDF: 48.2/49


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug
25.5
25
24.5
24
23.5
23
22.5
22
21.5
100
120
140
160
180
200
Right In: 22.421+/-0.005 χ²/NDF: 26460.4/21
Left Out: 22.715+/-0.004 χ²/NDF:12181.4/24
Right Out: 22.609+/-0.004 χ²/NDF: 25650.1/26
Left In: 22.631+/-0.004 χ²/NDF:15391.4/22
+ sign 22.604+/-0.003 χ²/NDF: 41116.8/46
All: 22.613+/-0.002 χ²/NDF: 82191.8/96
- sign 22.622+/-0.003 χ²/NDF: 41055.4/49



Right In: -121.969+/-55.751 χ^2/NDF: 19.7/21

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: 146.310+/-53.450 χ^2/NDF: 15.6/26

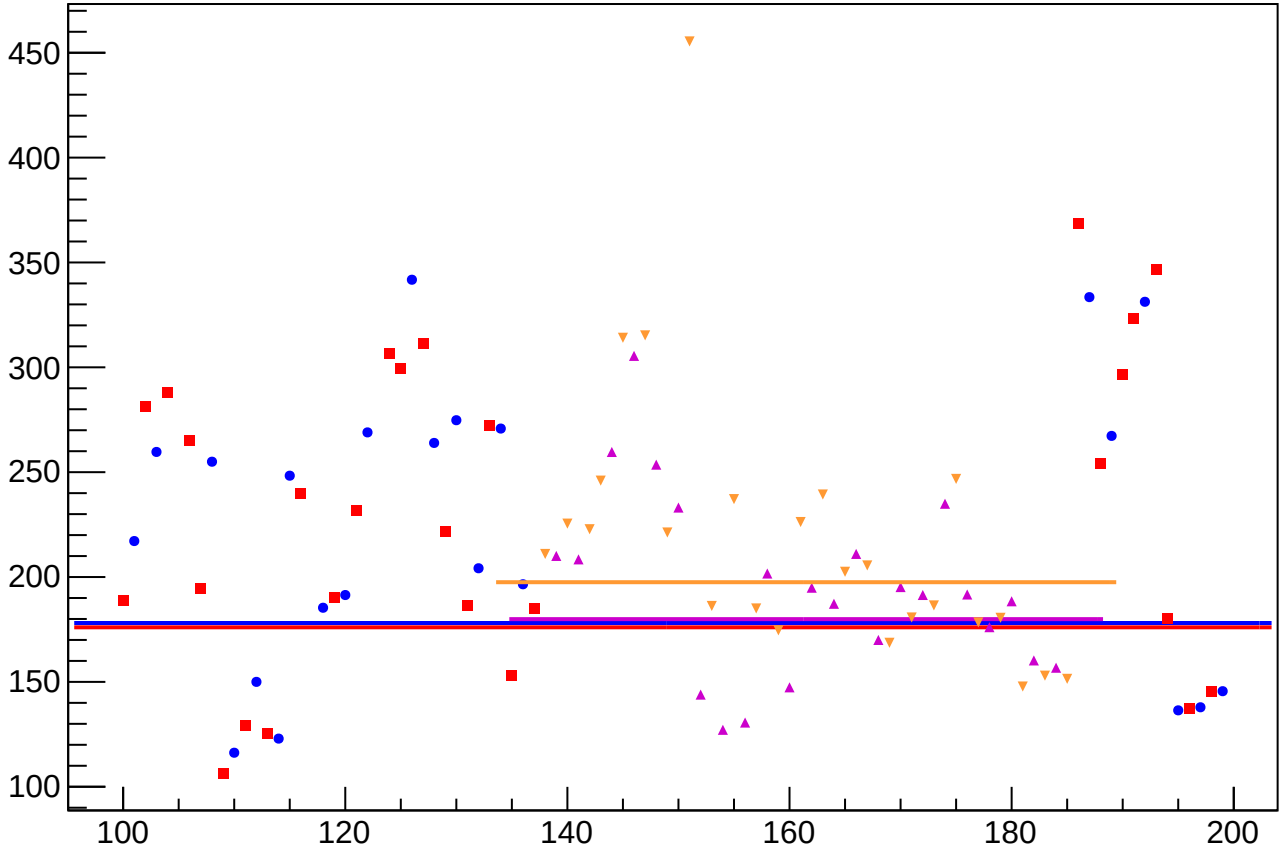
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 38.452+/-35.725 χ^2/NDF: 44.7/46

All: 11.342+/-24.604 χ^2/NDF: 84.1/96

- sign -13.117+/-33.934 χ^2/NDF: 38.3/49

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 178.081+/-0.039 χ^2/NDF: 2153845.0/21

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

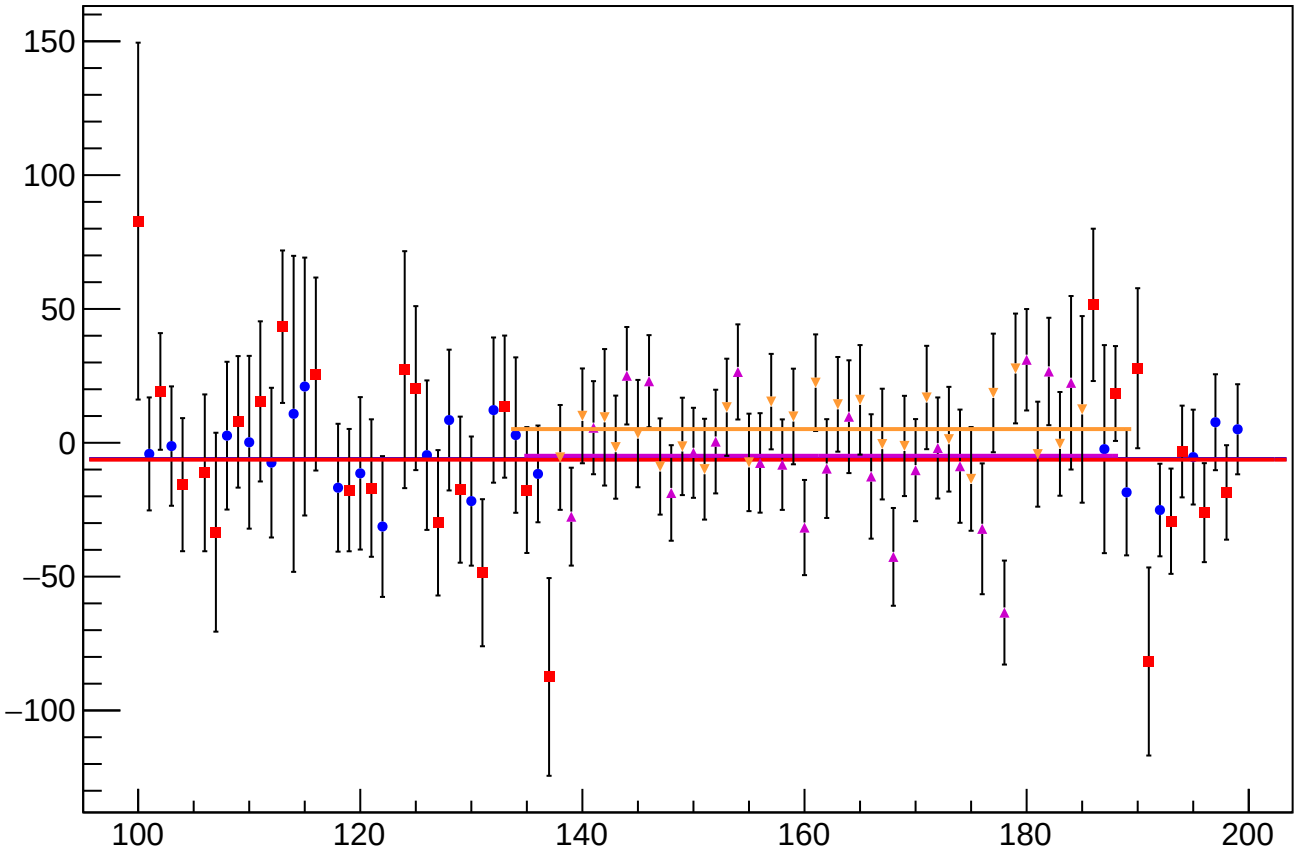
Right Out: 176.021+/-0.038 χ^2/NDF: 2871872.4/26

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

\+ sign 189.546+/-0.025 χ^2/NDF: 4087254.8/46

All: 183.660+/-0.017 χ^2/NDF: 8692893.0/96

\- sign 178.350+/-0.024 χ^2/NDF: 4502381.7/49



Right In: -6.081+/-5.087 χ^2/NDF: 5.7/21

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -6.288+/-4.875 χ^2/NDF: 34.2/26

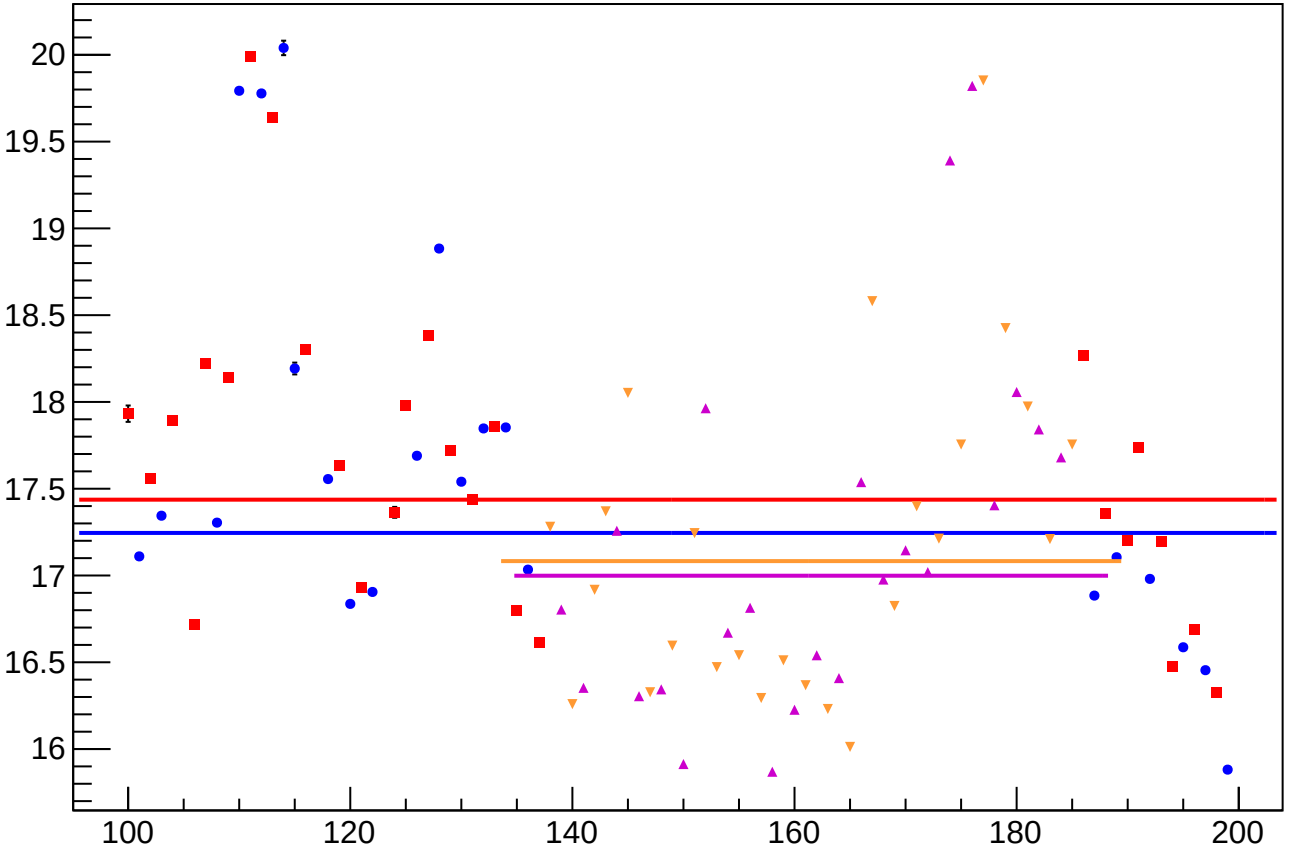
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.986+/-3.090 χ^2/NDF: 16.6/46

All: -2.229+/-2.183 χ^2/NDF: 88.6/96

- 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: 17.245+/-0.004 χ^2/NDF: 66546.6/21

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

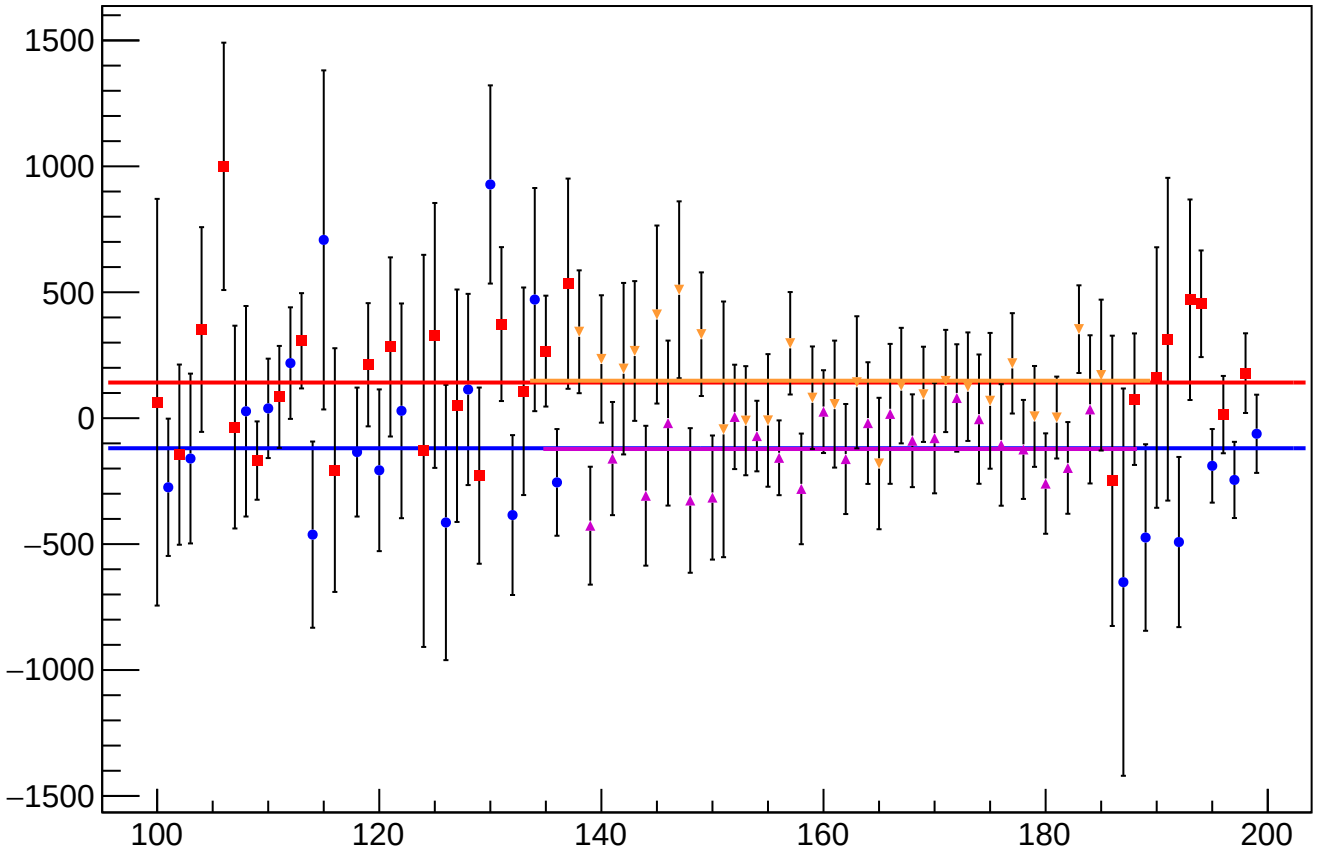
Right Out: 17.437+/-0.003 χ^2/NDF: 59204.9/26

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.143+/-0.002 χ^2/NDF: 164607.3/46

All: 17.158+/-0.002 χ^2/NDF: 337629.7/96

- sign 17.174+/-0.002 χ^2/NDF: 172920.5/49



Right In: -119.321+/-56.096 χ^2/NDF: 20.3/21

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 141.554+/-53.900 χ^2/NDF: 17.1/26

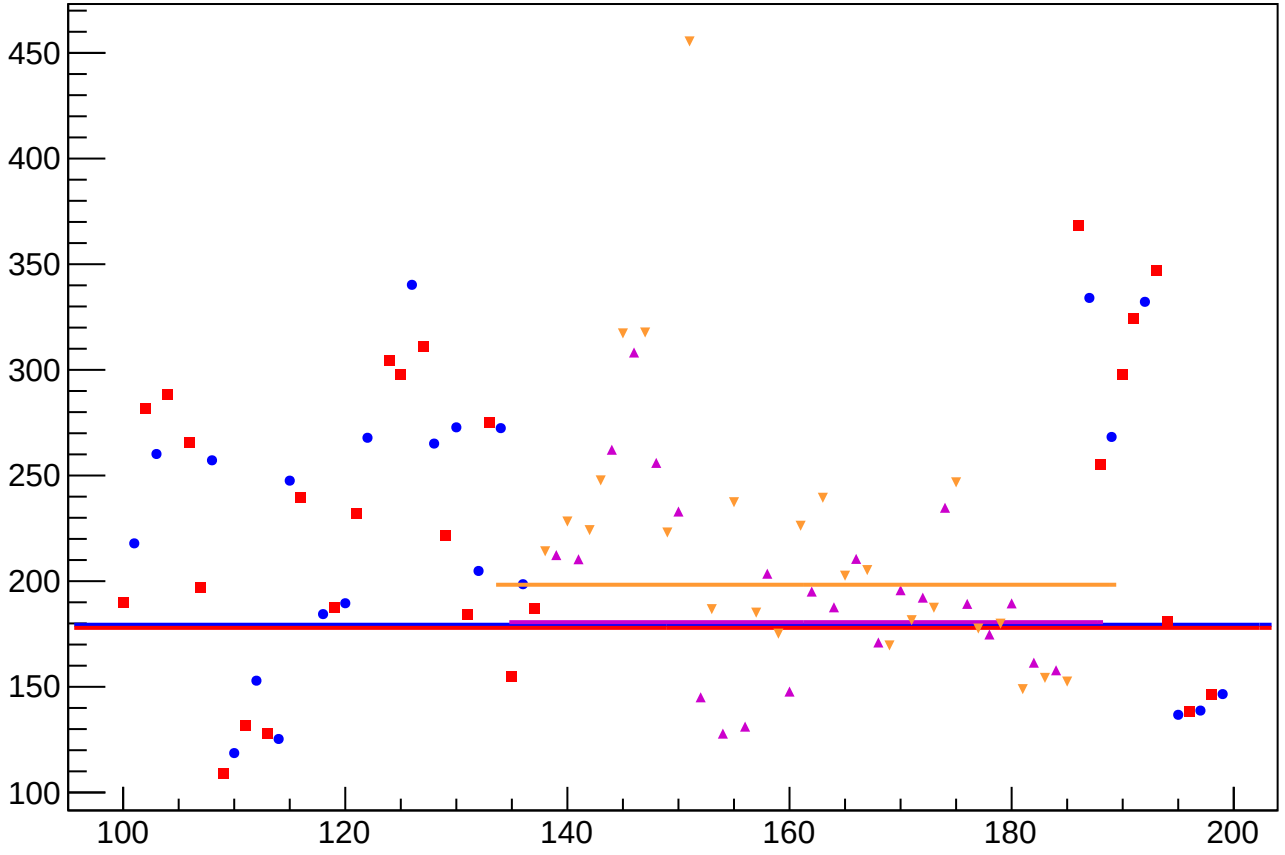
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 38.981+/-35.897 χ^2/NDF: 43.3/46

All: 9.785+/-24.732 χ^2/NDF: 84.0/96

- 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: 179.384+/-0.040 χ^2/NDF: 2108679.6/21

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

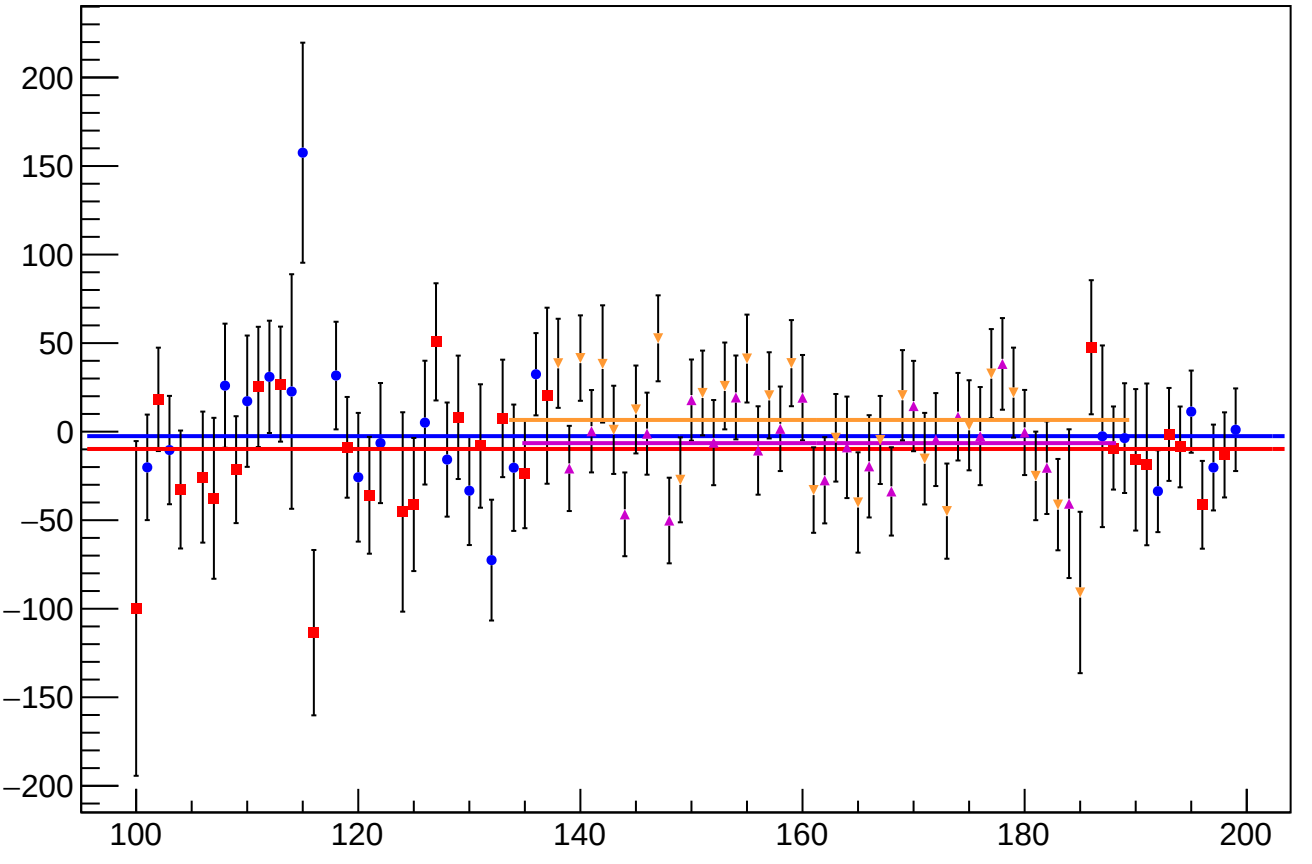
Right Out: 177.904+/-0.038 χ^2/NDF: 2773487.9/26

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 190.562+/-0.025 χ^2/NDF: 4033443.7/46

All: 184.761+/-0.017 χ^2/NDF: 8537405.8/96

\- sign 179.520+/-0.024 χ^2/NDF: 4404562.0/49



Right In: -2.535+/-6.599 χ^2/NDF: 21.6/21

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

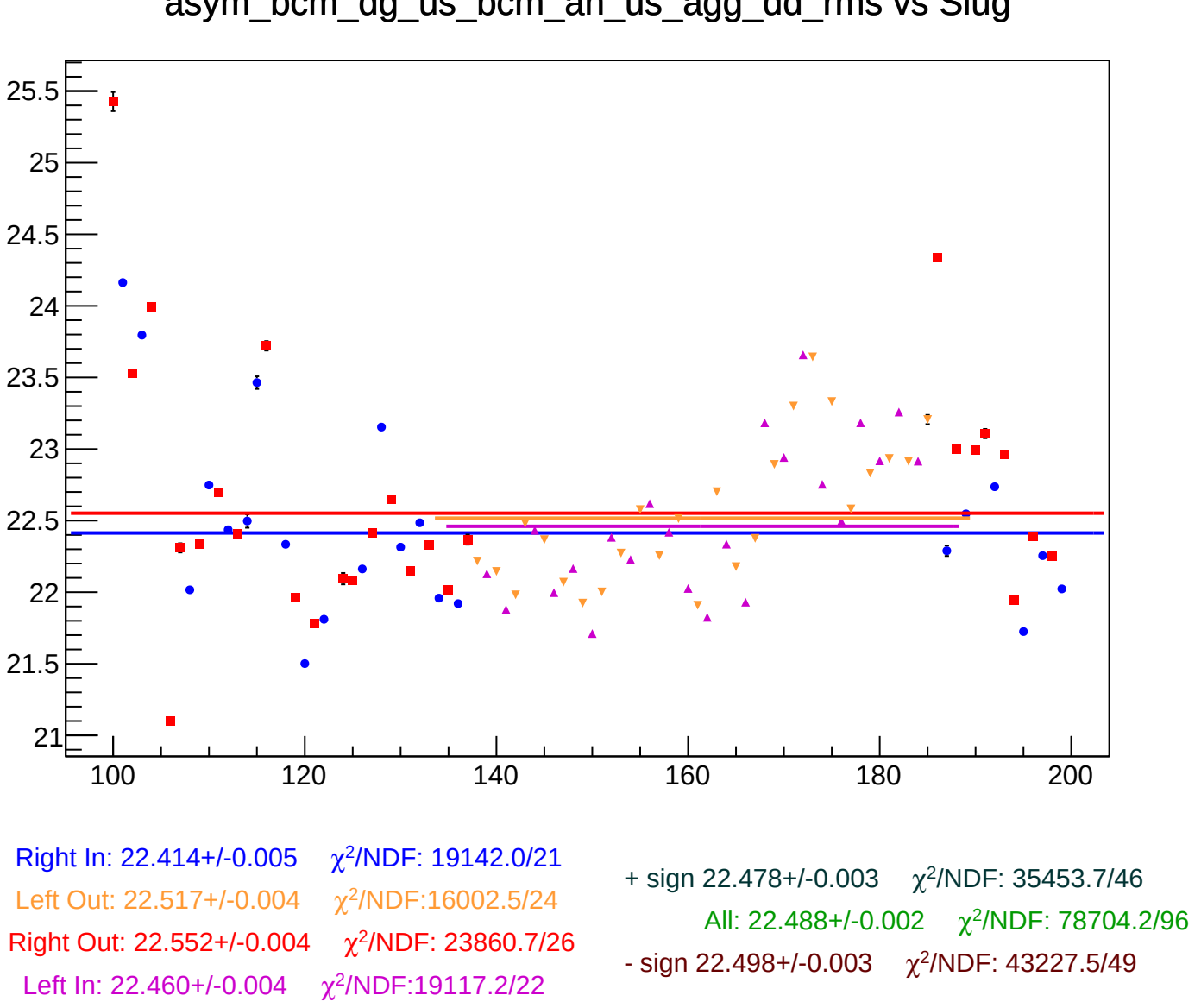
Right Out: -9.779+/-6.295 χ^2/NDF: 20.6/26

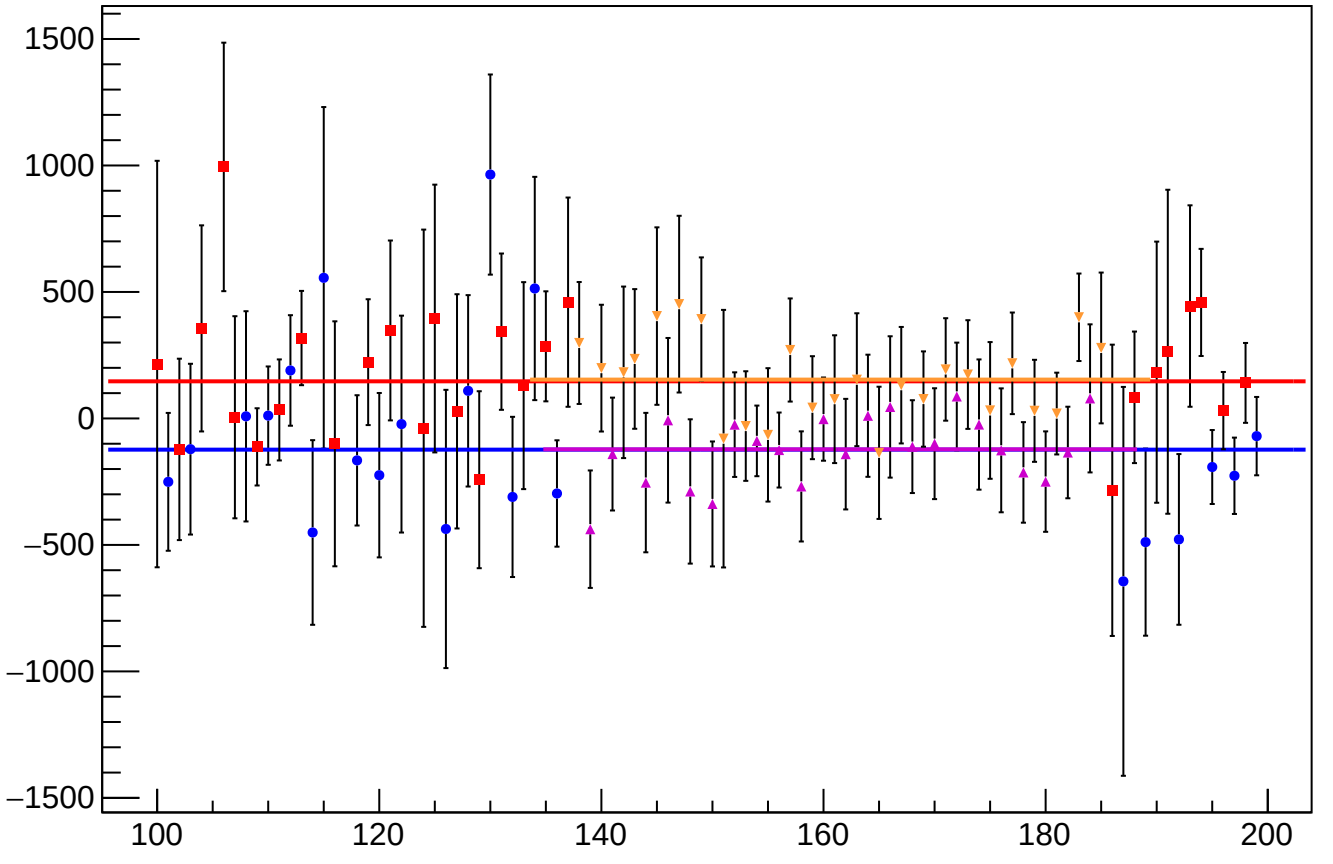
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.176+/-4.044 χ^2/NDF: 59.7/46

All: -2.347+/-2.855 χ^2/NDF: 101.6/96

- 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: 22.414+/-0.005 χ²/NDF: 19142.0/21
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 22.478+/-0.003 χ²/NDF: 35453.7/46
All: 22.488+/-0.002 χ²/NDF: 78704.2/96
- sign 22.498+/-0.003 χ²/NDF: 43227.5/49



Right In: -123.398+/-55.925 χ^2/NDF: 19.6/21

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 146.707+/-53.612 χ^2/NDF: 15.6/26

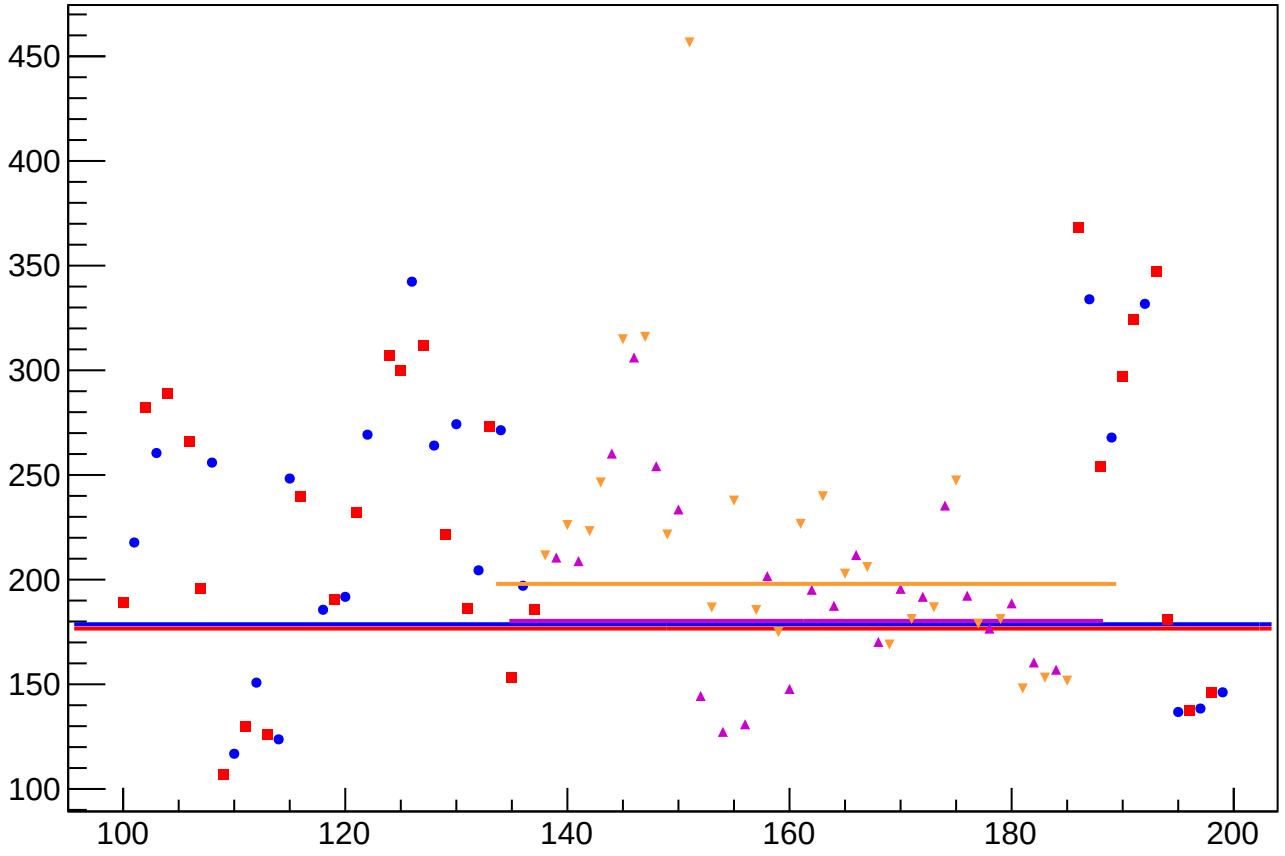
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 39.930+/-35.817 χ^2/NDF: 44.1/46

All: 11.609+/-24.665 χ^2/NDF: 83.3/96

- 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: 178.692+/-0.040 χ^2/NDF: 2140053.2/21

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

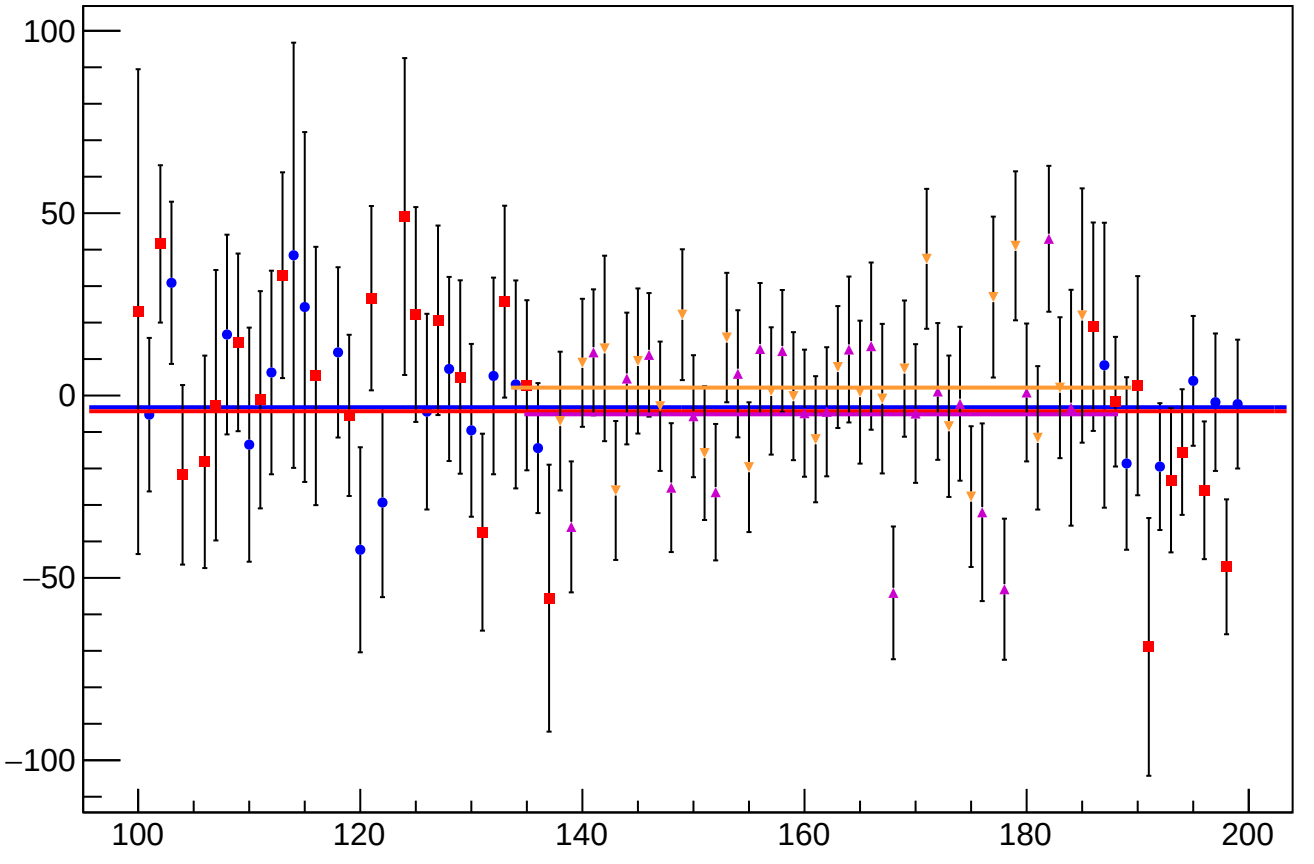
Right Out: 176.628+/-0.038 χ^2/NDF: 2852746.1/26

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 190.055+/-0.025 χ^2/NDF: 4071393.9/46

All: 184.141+/-0.017 χ^2/NDF: 8658070.9/96

- sign 178.807+/-0.024 χ^2/NDF: 4482955.0/49



Right In: -3.206+/-5.089 χ^2/NDF: 9.7/21

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -4.309+/-4.859 χ^2/NDF: 29.7/26

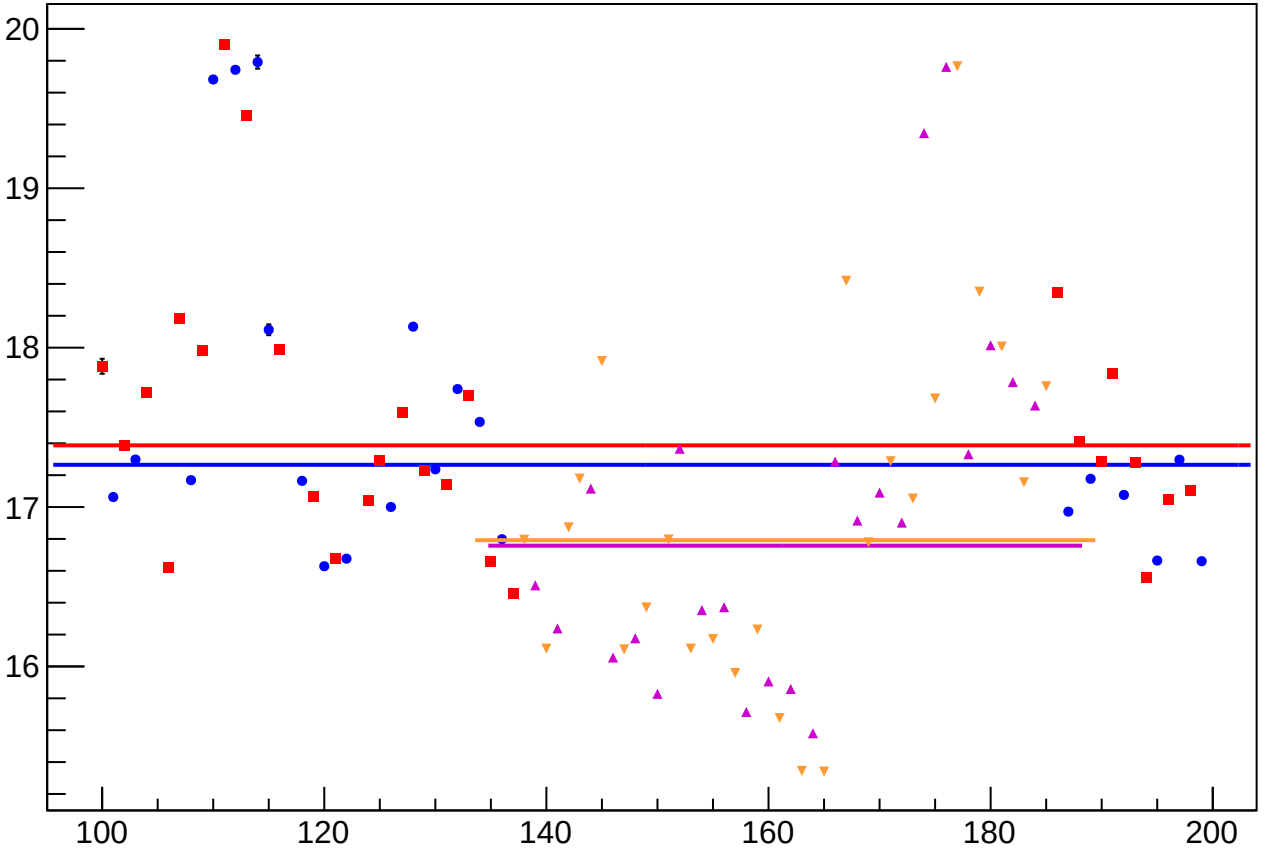
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.232+/-3.058 χ^2/NDF: 30.4/46

All: -2.297+/-2.160 χ^2/NDF: 93.7/96

- 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: 17.265+/-0.004 χ^2/NDF: 43530.3/21

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

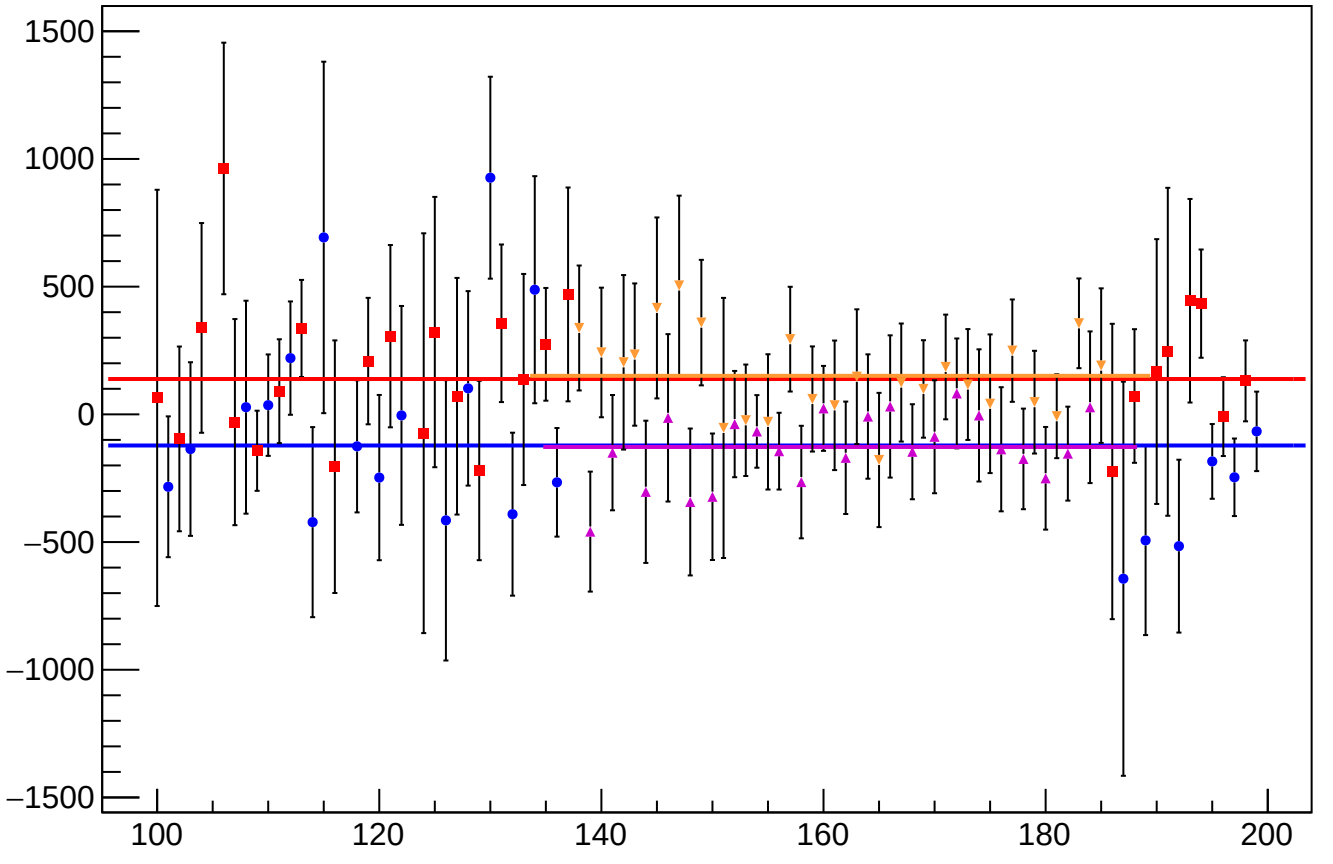
Right Out: 17.387+/-0.003 χ^2/NDF: 44065.9/26

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.963+/-0.002 χ^2/NDF: 191570.9/46

All: 16.985+/-0.002 χ^2/NDF: 379452.2/96

- sign 17.006+/-0.002 χ^2/NDF: 187678.5/49



Right In: -121.908+/-56.327 χ^2/NDF: 20.3/21

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 138.383+/-54.164 χ^2/NDF: 15.5/26

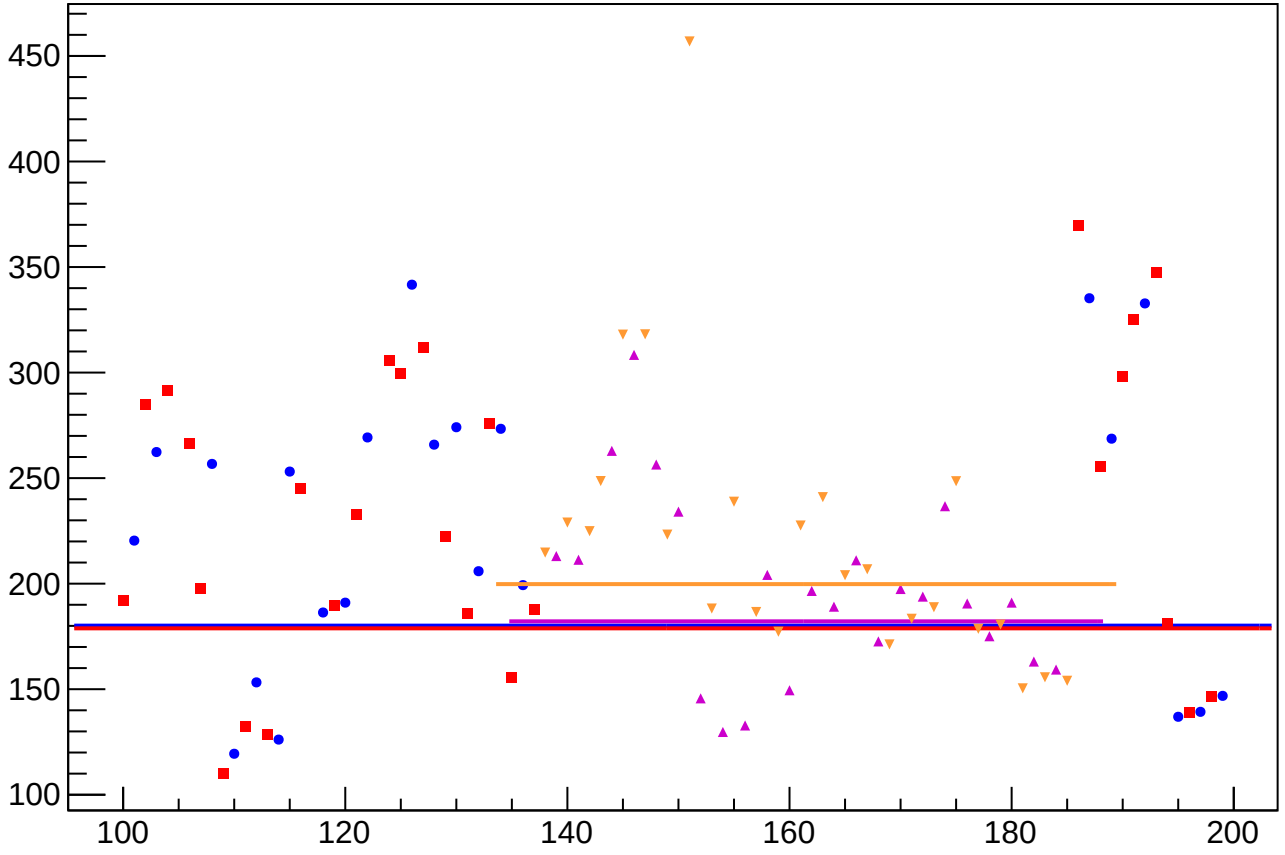
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 38.814+/-36.103 χ^2/NDF: 44.1/46

All: 7.582+/-24.886 χ^2/NDF: 83.2/96

- 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: 180.109+/-0.040 χ^2/NDF: 2115133.5/21

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 178.829+/-0.038 χ^2/NDF: 2770285.7/26

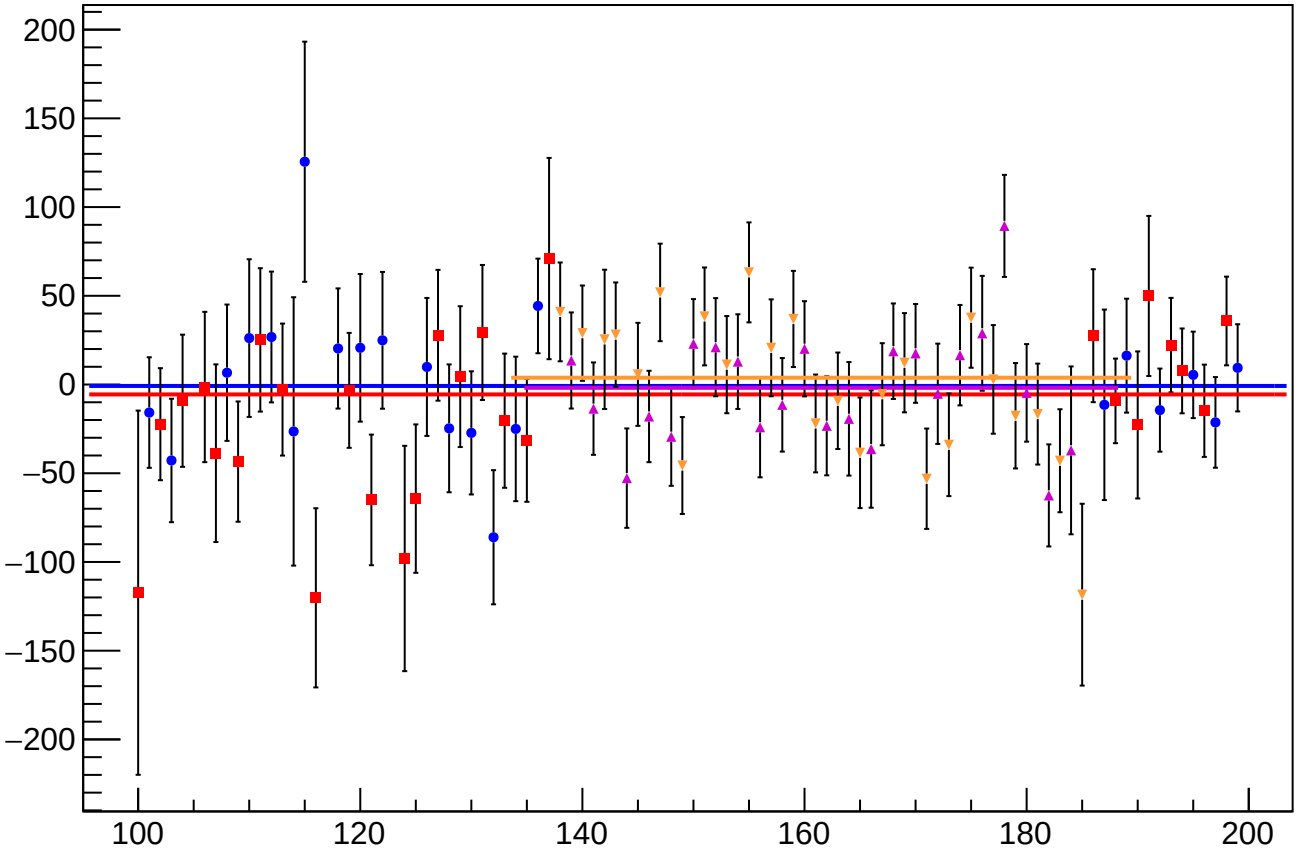
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 191.701+/-0.026 χ^2/NDF: 4019250.4/46

All: 185.987+/-0.018 χ^2/NDF: 8473845.6/96

- sign 180.814+/-0.024 χ^2/NDF: 4359139.3/49

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.803+/-7.202 χ^2/NDF: 18.3/21

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: -5.576+/-6.807 χ^2/NDF: 26.6/26

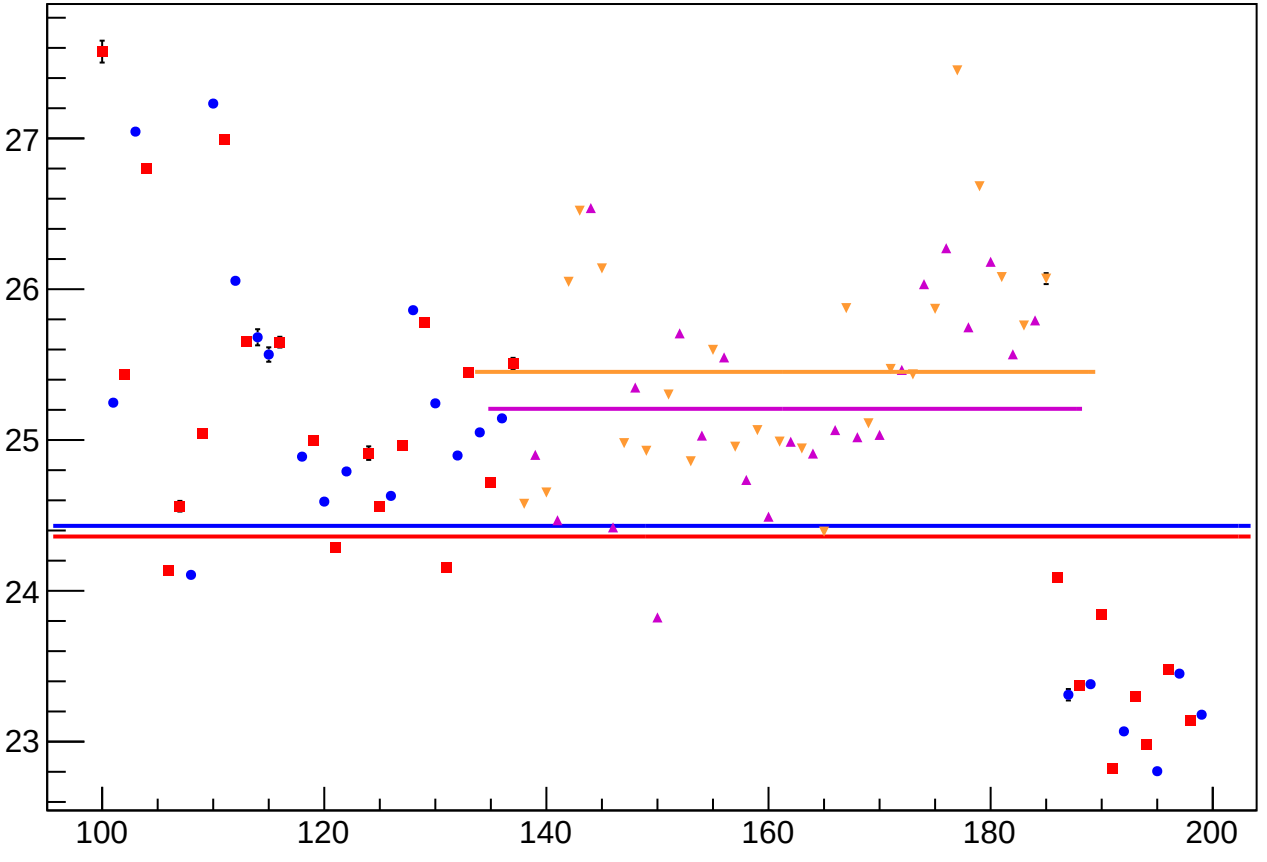
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.012+/-4.512 χ^2/NDF: 56.2/46

All: -0.751+/-3.170 χ^2/NDF: 111.8/96

- sign -3.446+/-4.455 χ^2/NDF: 54.9/49

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.431+/-0.005 χ^2/NDF: 59659.5/21

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

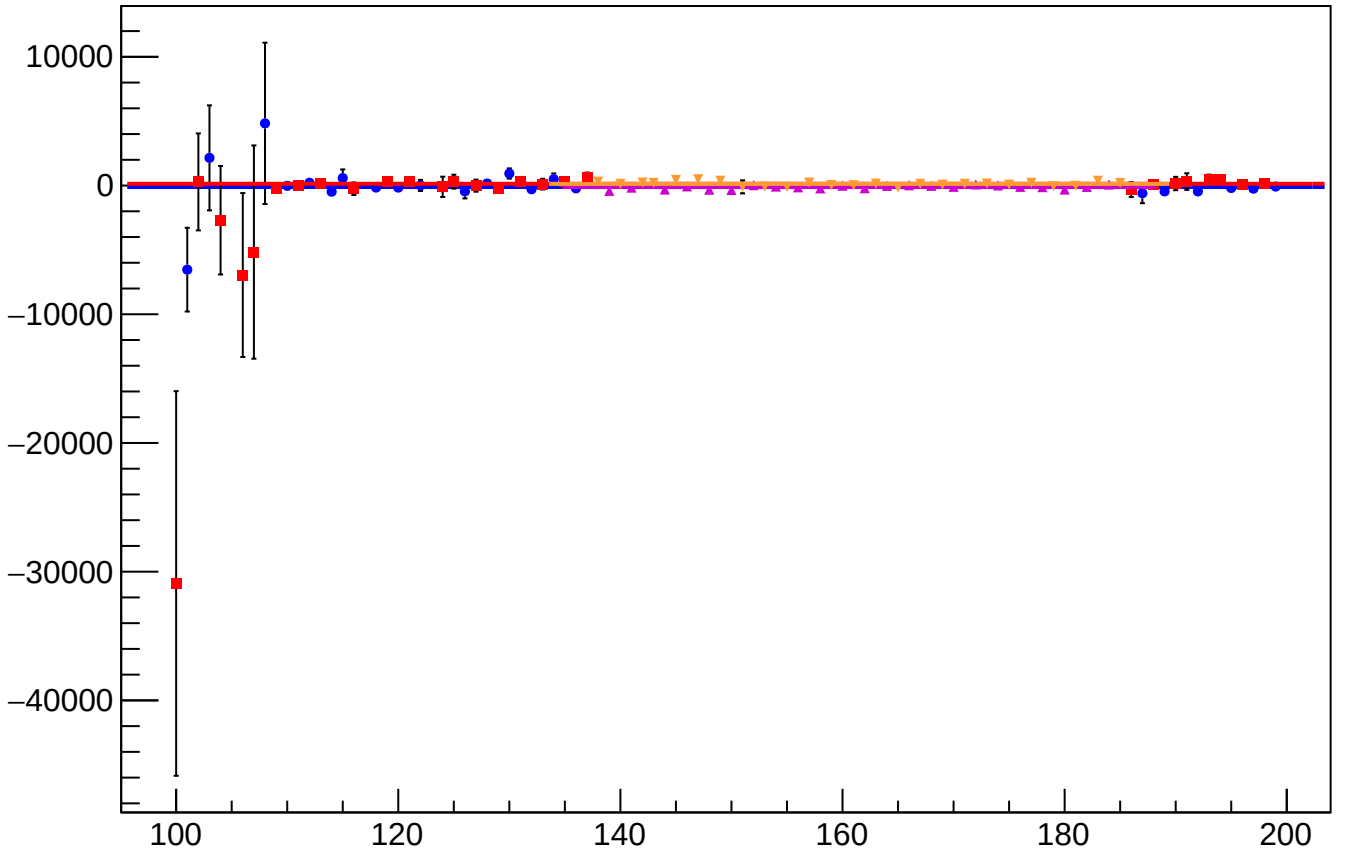
Right Out: 24.360+/-0.005 χ^2/NDF: 55851.8/26

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.051+/-0.003 χ^2/NDF: 113697.1/46

All: 24.946+/-0.002 χ^2/NDF: 215195.0/96

- sign 24.844+/-0.003 χ^2/NDF: 99367.3/49



Right In: -112.253+/-59.775 χ^2/NDF: 22.8/21

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

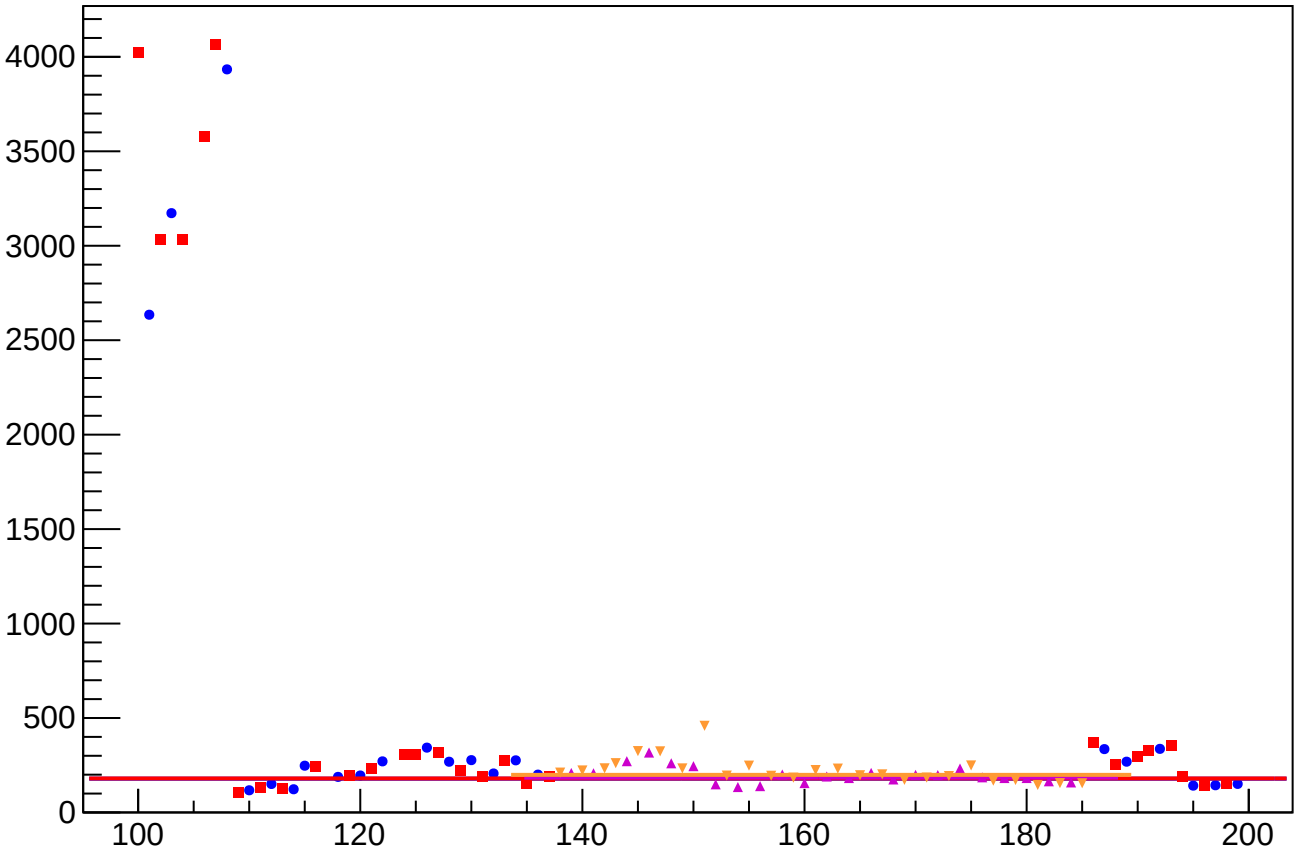
Right Out: 138.955+/-58.602 χ^2/NDF: 17.8/26

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 34.637+/-36.911 χ^2/NDF: 43.7/46

All: 5.014+/-25.634 χ^2/NDF: 82.8/96

- sign -22.584+/-35.627 χ^2/NDF: 37.8/49



Right In: 178.719+/-0.042 χ^2/NDF: 4769094.9/21

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

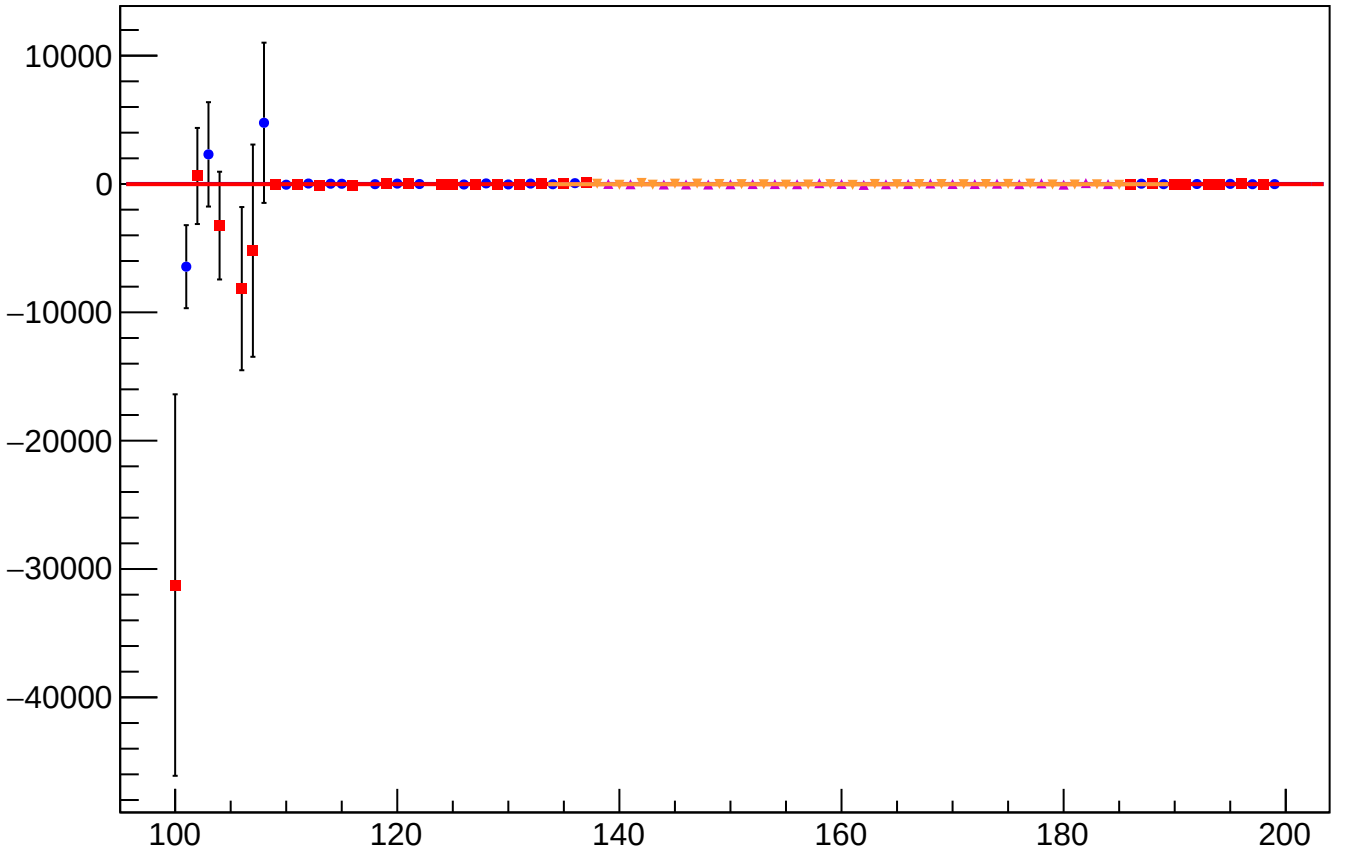
Right Out: 179.904+/-0.041 χ^2/NDF: 5439376.3/26

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 191.263+/-0.026 χ^2/NDF: 6813614.8/46

All: 186.849+/-0.018 χ^2/NDF: 13761956.1/96

- sign 182.737+/-0.025 χ^2/NDF: 6893100.5/49



Right In: 3.595+/-8.749 χ^2/NDF: 17.2/21

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

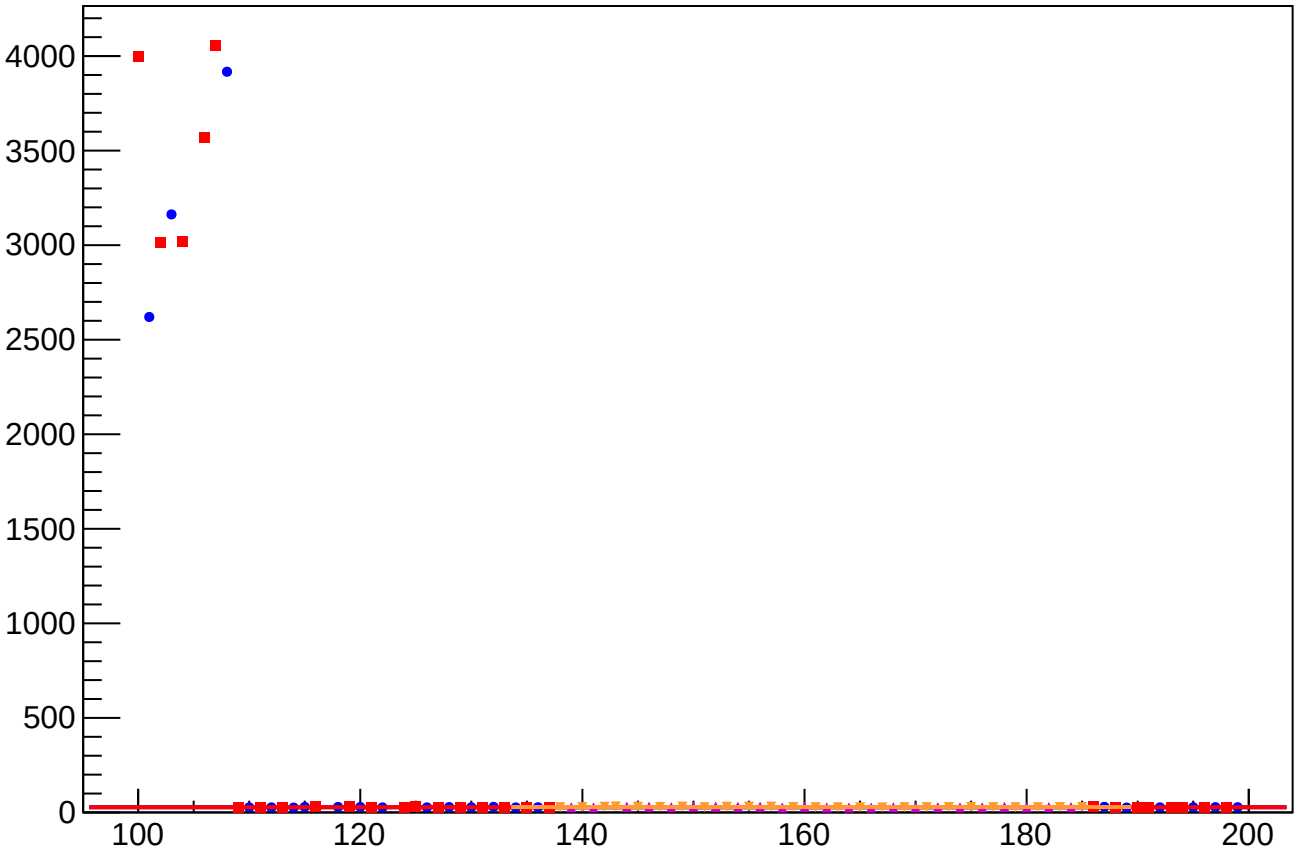
Right Out: -12.976+/-8.440 χ^2/NDF: 28.3/26

Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.261+/-5.224 χ^2/NDF: 42.3/46

All: -7.311+/-3.703 χ^2/NDF: 100.0/96

- sign -6.351+/-5.249 χ^2/NDF: 57.6/49



Right In: 27.510+/-0.006 χ^2/NDF: 3273531.5/21

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

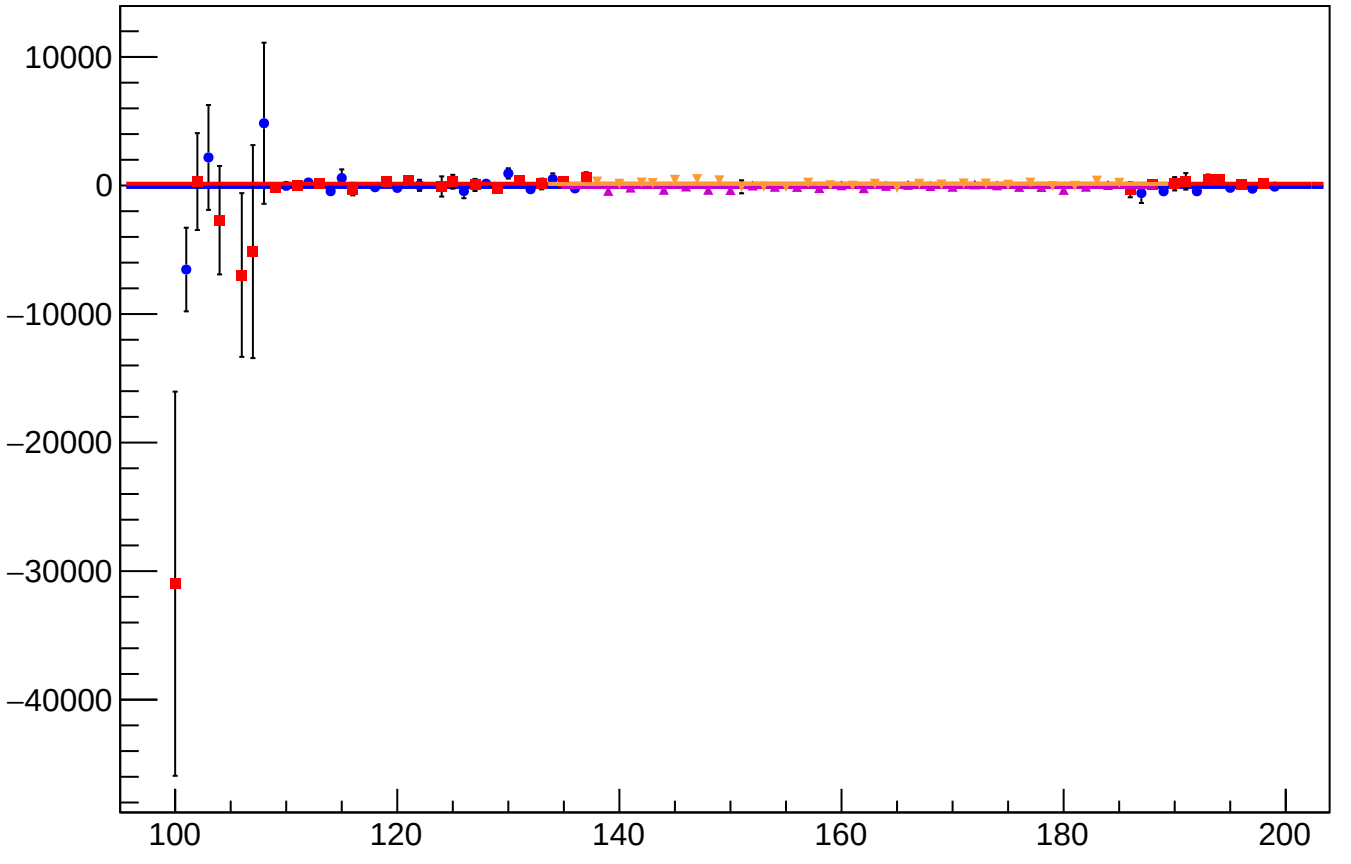
Right Out: 27.637+/-0.006 χ^2/NDF: 3581589.8/26

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.202+/-0.004 χ^2/NDF: 3381120.3/46

All: 28.217+/-0.003 χ^2/NDF: 7101829.7/96

- sign 28.231+/-0.004 χ^2/NDF: 3720679.1/49



Right In: -111.738+/-59.597 χ^2/NDF: 22.9/21

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 137.926+/-58.441 χ^2/NDF: 18.1/26

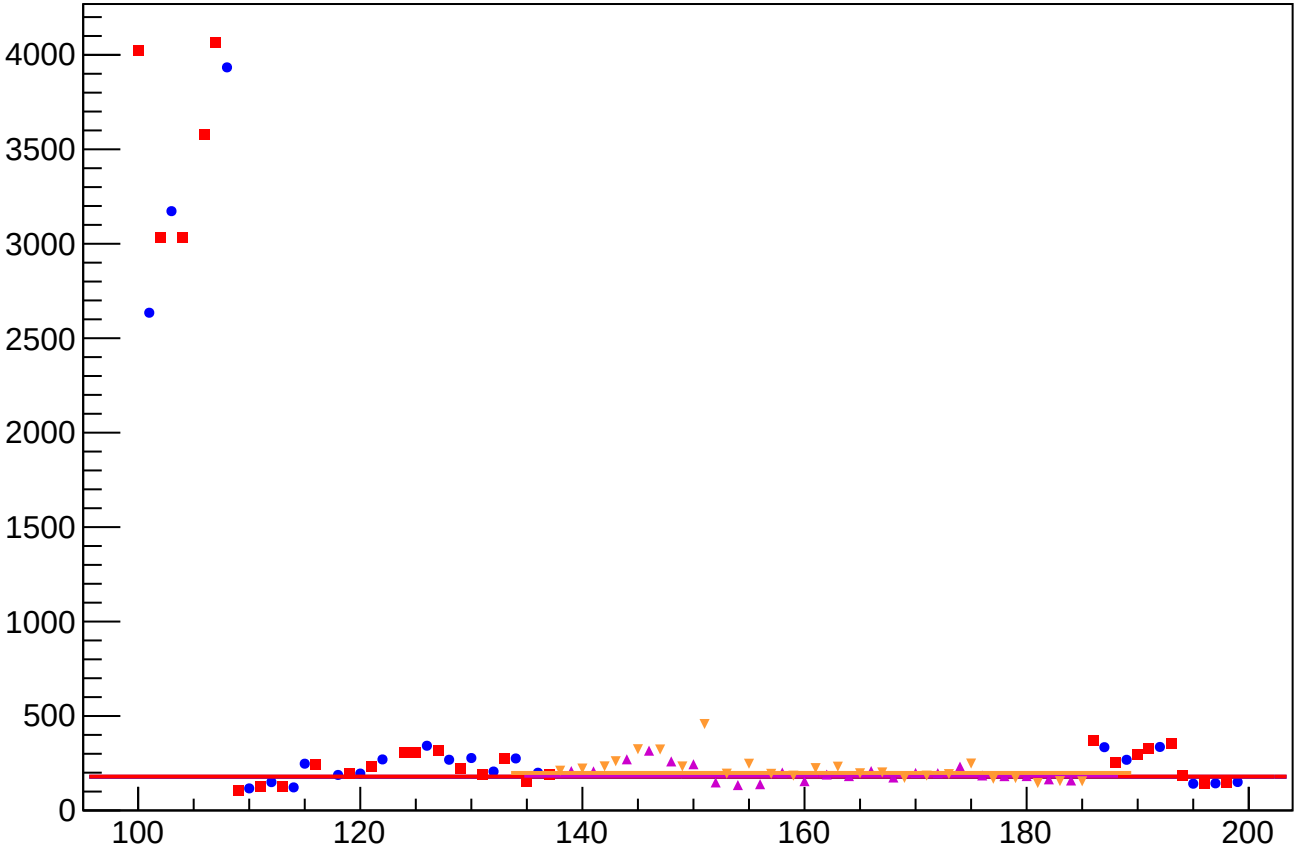
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 32.732+/-36.820 χ^2/NDF: 44.4/46

All: 4.300+/-25.574 χ^2/NDF: 83.9/96

- sign -22.202+/-35.548 χ^2/NDF: 38.4/49

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 178.116+/-0.042 χ^2/NDF: 4783371.0/21

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

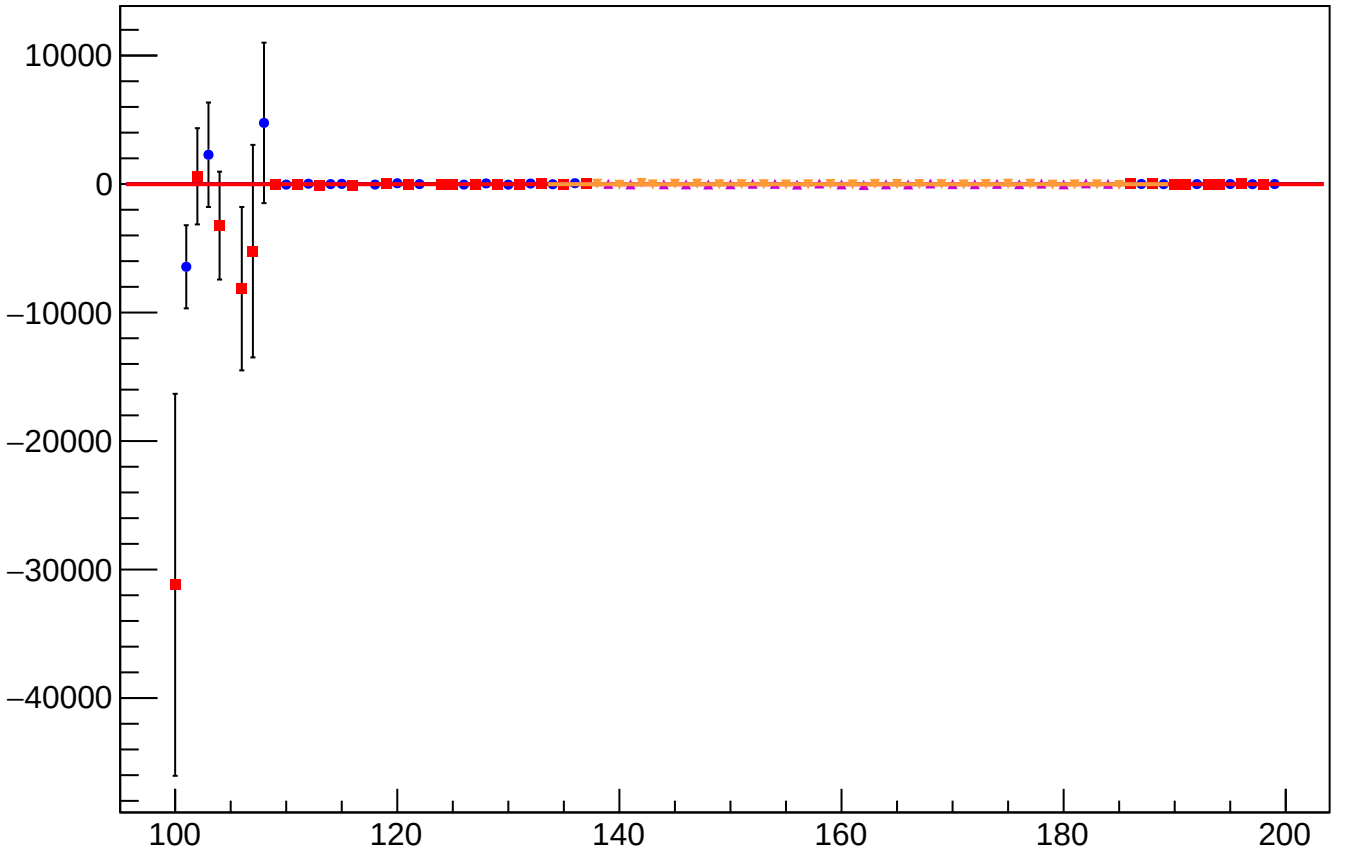
Right Out: 179.322+/-0.041 χ^2/NDF: 5458219.9/26

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 190.763+/-0.026 χ^2/NDF: 6830551.4/46

All: 186.384+/-0.018 χ^2/NDF: 13797115.8/96

- sign 182.301+/-0.025 χ^2/NDF: 6911894.4/49



Right In: 1.573+/-8.754 χ^2/NDF: 18.8/21

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -13.781+/-8.453 χ^2/NDF: 27.3/26

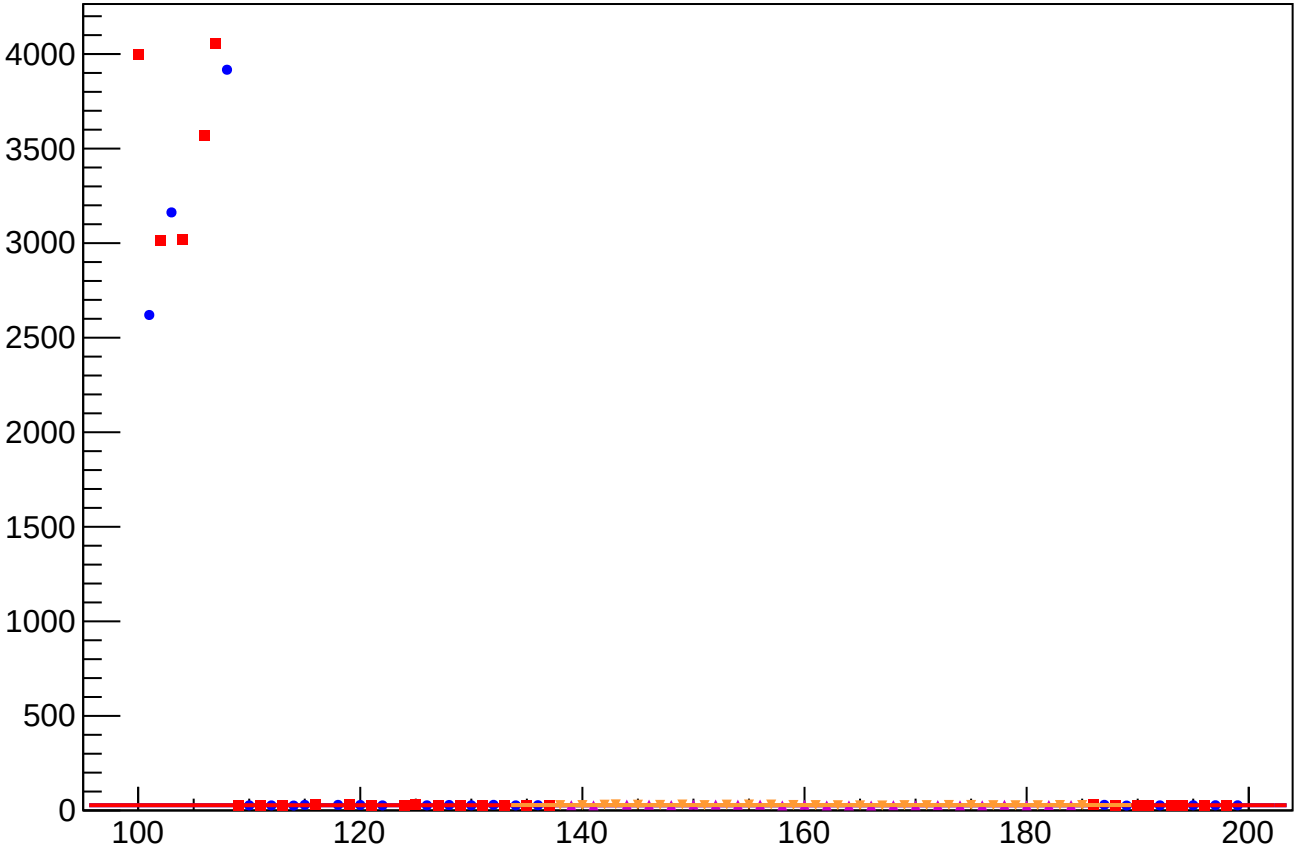
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.050+/-5.240 χ^2/NDF: 38.2/46

All: -6.987+/-3.714 χ^2/NDF: 88.7/96

- sign -6.925+/-5.266 χ^2/NDF: 50.5/49

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.523+/-0.006 χ^2/NDF: 3275025.0/21

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

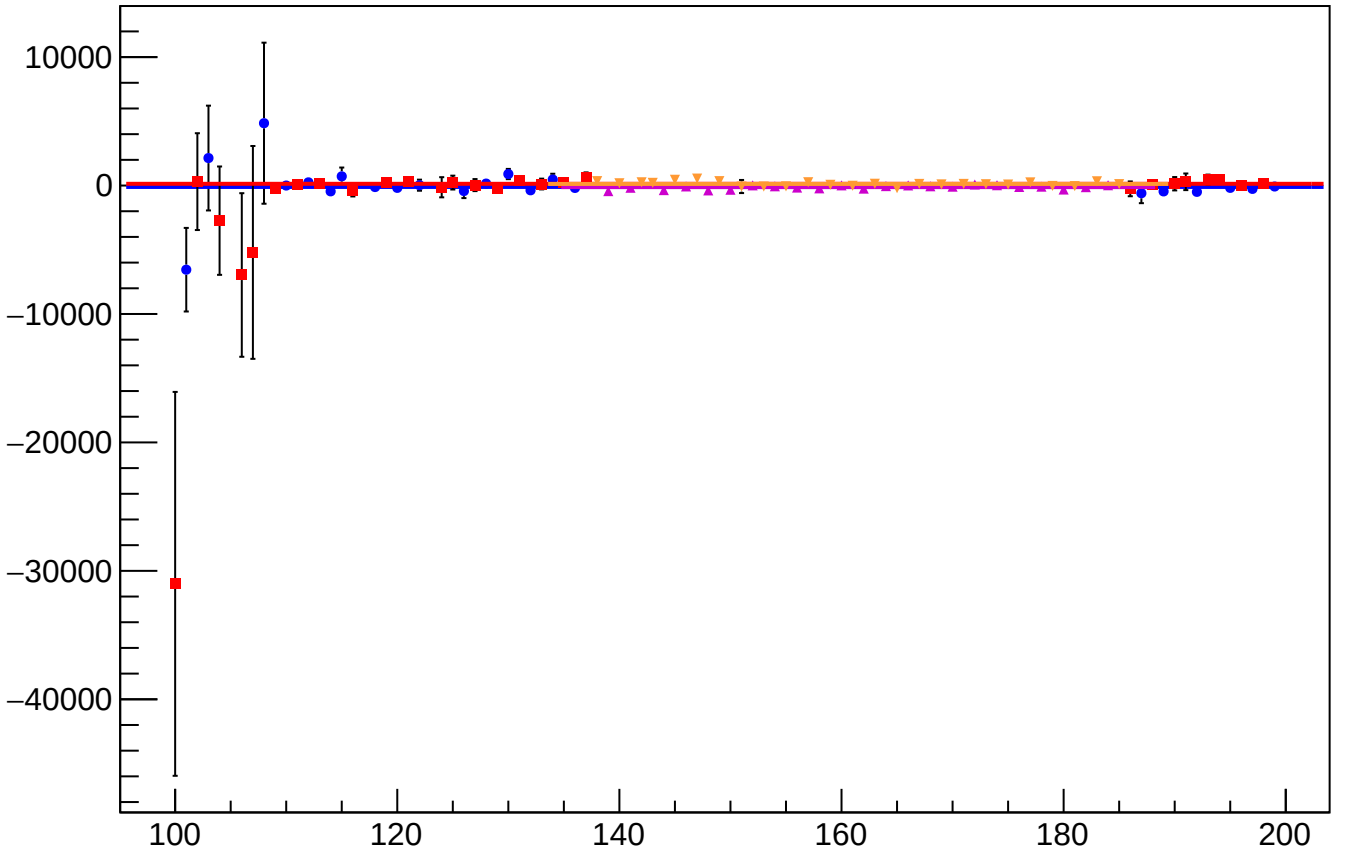
Right Out: 27.681+/-0.006 χ^2/NDF: 3578077.6/26

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.283+/-0.004 χ^2/NDF: 3397402.8/46

All: 28.302+/-0.003 χ^2/NDF: 7121660.3/96

- sign 28.322+/-0.004 χ^2/NDF: 3724203.1/49



Right In: -109.068+/-60.105 χ^2/NDF: 23.5/21

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 134.820+/-59.027 χ^2/NDF: 17.3/26

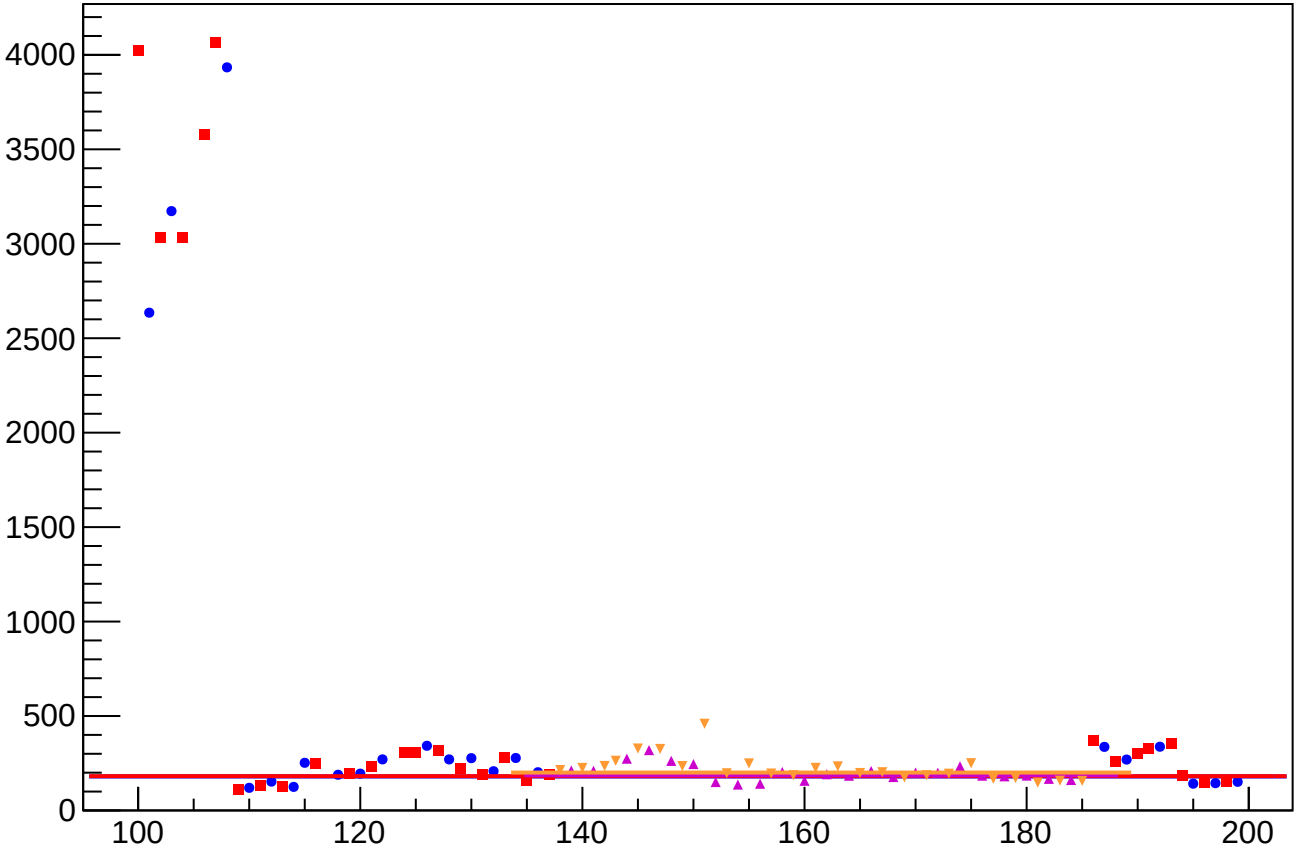
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 34.163+/-37.170 χ^2/NDF: 44.0/46

All: 2.254+/-25.830 χ^2/NDF: 83.2/96

- sign -27.547+/-35.921 χ^2/NDF: 37.8/49

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 179.833+/-0.043 χ^2/NDF: 4747324.8/21

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 181.492+/-0.042 χ^2/NDF: 5385130.8/26

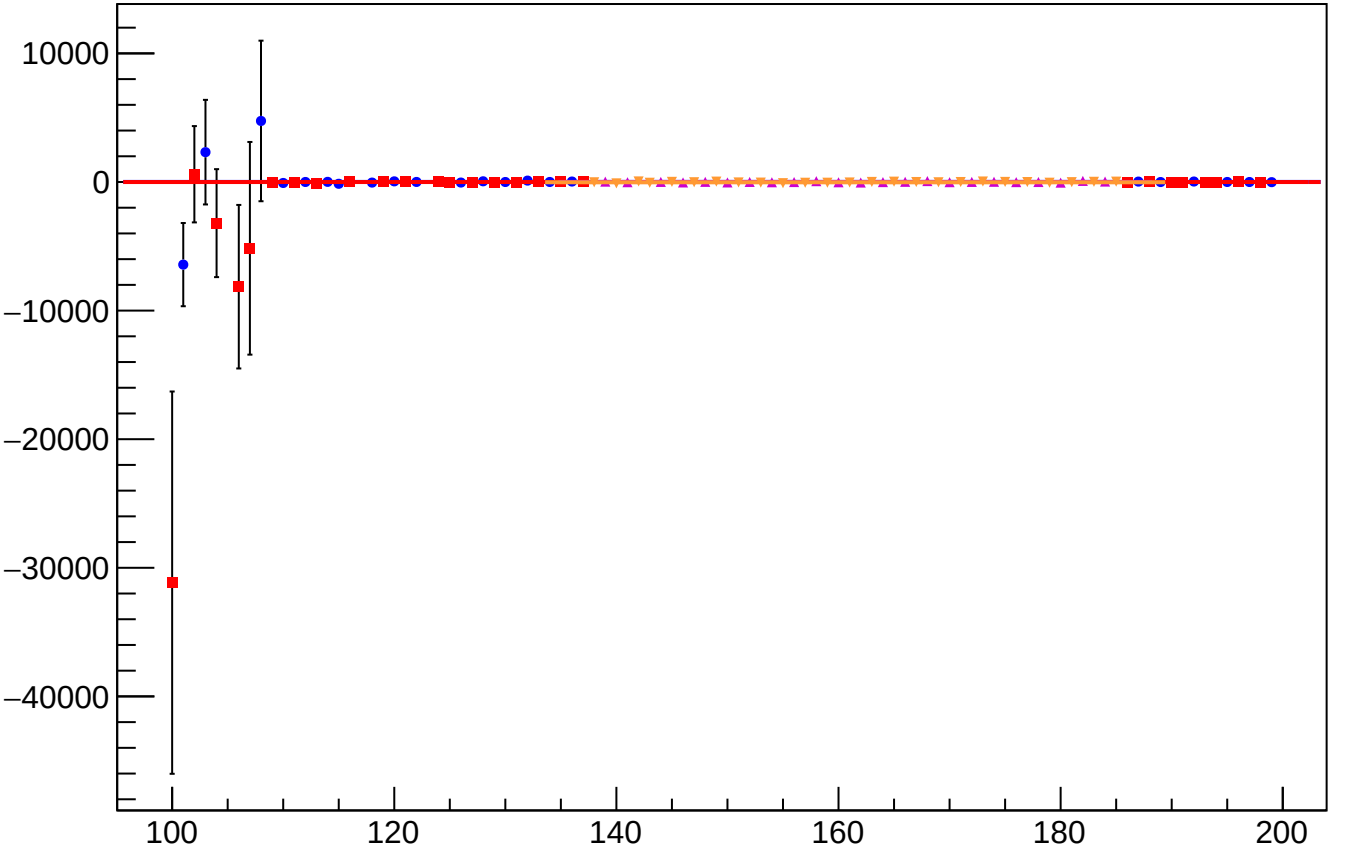
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 192.711+/-0.026 χ^2/NDF: 6776076.9/46

All: 188.432+/-0.018 χ^2/NDF: 13633739.0/96

- sign 184.437+/-0.025 χ^2/NDF: 6806424.3/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.101+/-10.669 χ^2/NDF: 18.8/21

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -3.308+/-10.294 χ^2/NDF: 29.1/26

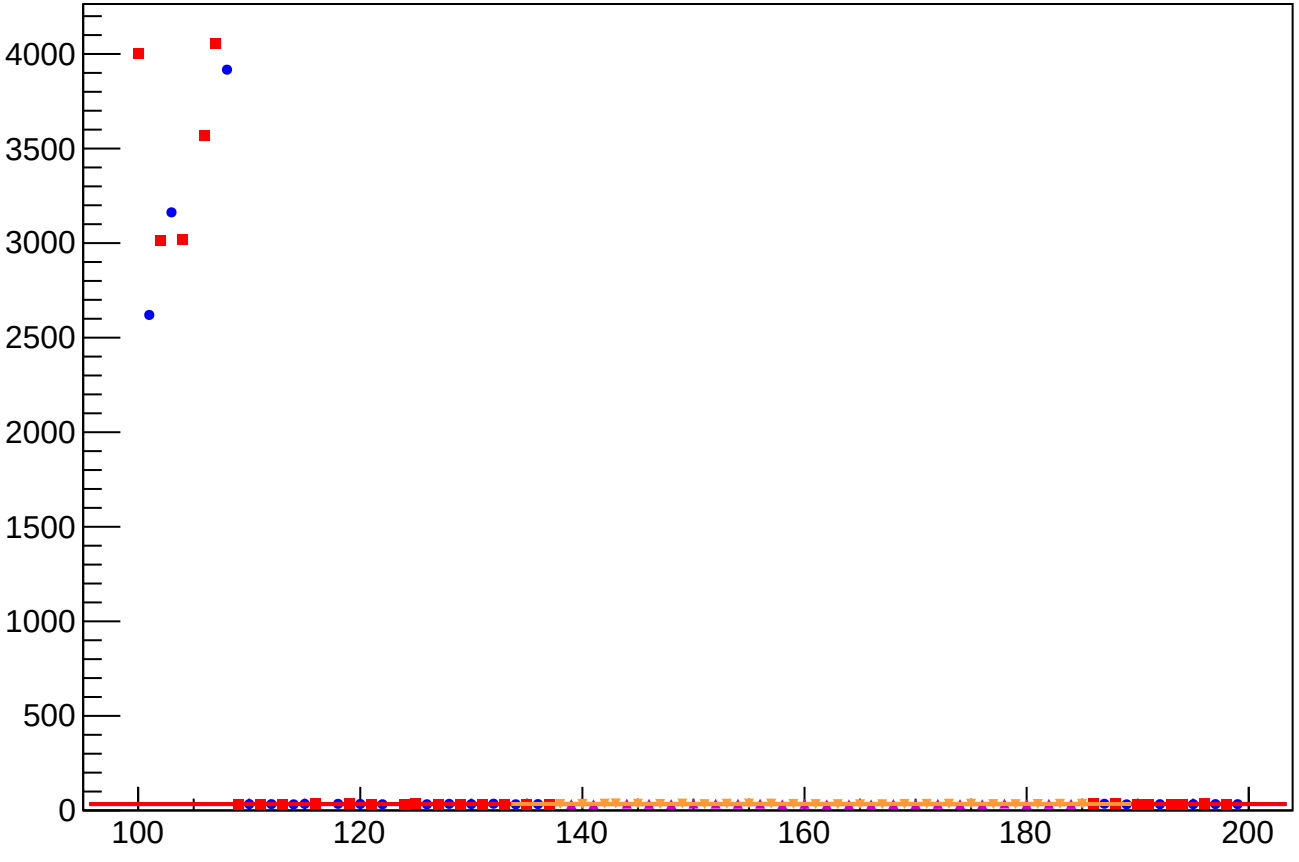
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

\+ sign -11.653+/-6.315 χ^2/NDF: 46.0/46

All: -5.254+/-4.480 χ^2/NDF: 96.4/96

\- sign 1.230+/-6.357 χ^2/NDF: 48.4/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.585+/-0.008 χ^2/NDF: 3249015.3/21

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.767+/-0.007 χ^2/NDF: 3537714.5/26

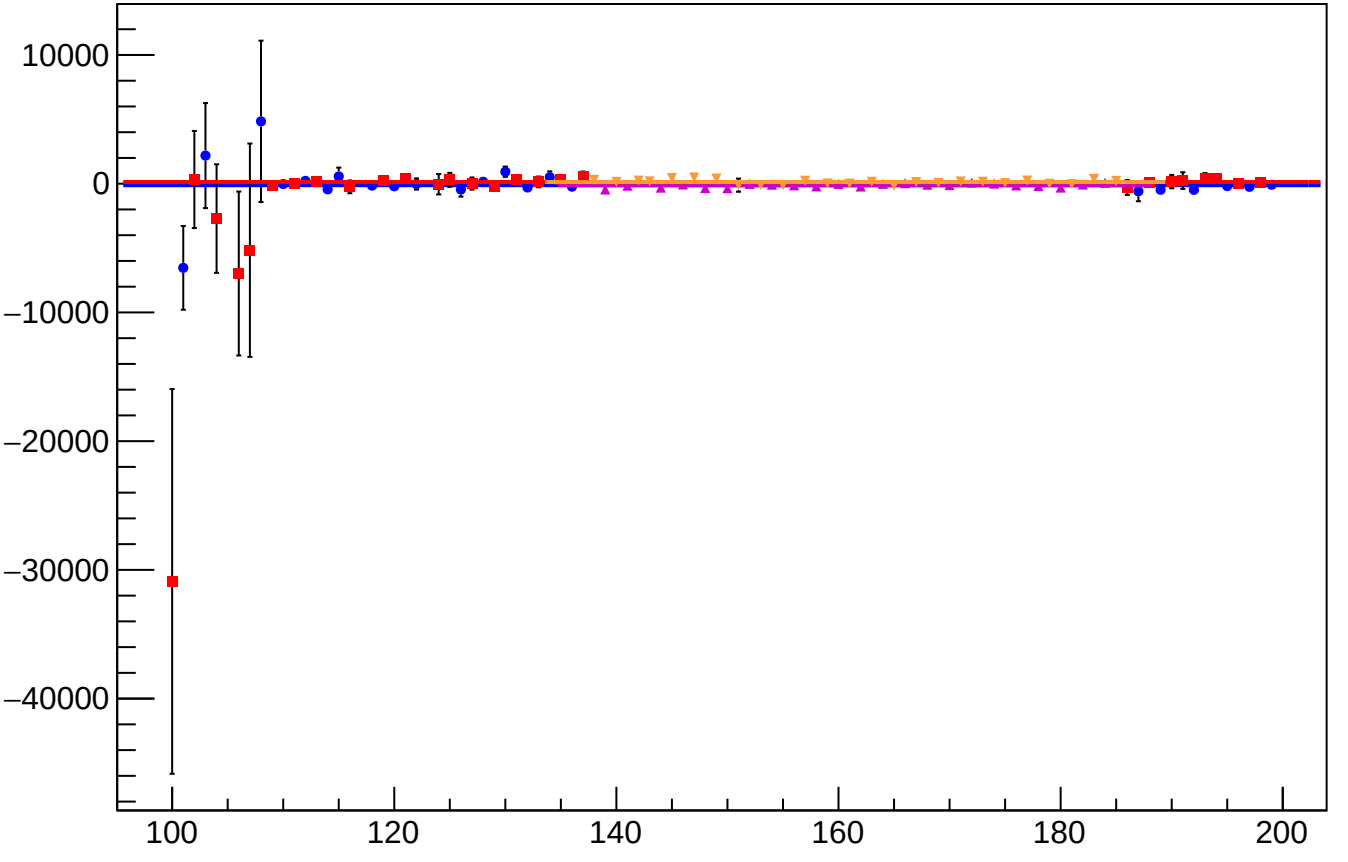
Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.140+/-0.004 χ^2/NDF: 3302014.7/46

All: 34.196+/-0.003 χ^2/NDF: 6906528.0/96

- sign 34.252+/-0.004 χ^2/NDF: 3604196.1/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -115.765+/-59.905 χ^2/NDF: 22.8/21

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

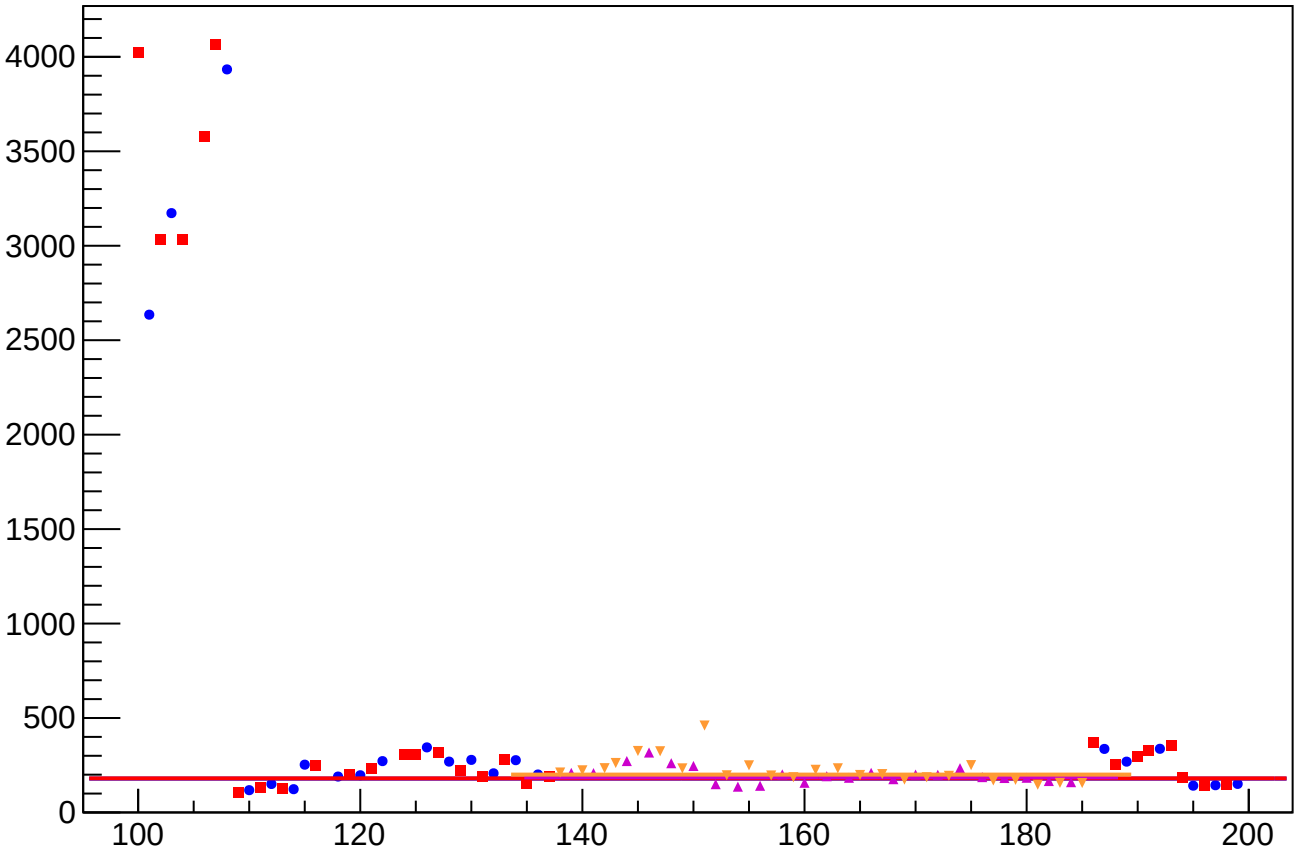
Right Out: 133.614+/-58.753 χ^2/NDF: 16.7/26

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 34.372+/-37.088 χ^2/NDF: 44.6/46

All: 2.377+/-25.767 χ^2/NDF: 82.7/96

- sign -27.474+/-35.824 χ^2/NDF: 36.6/49



Right In: 179.069+/-0.042 χ^2/NDF: 4777914.6/21

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

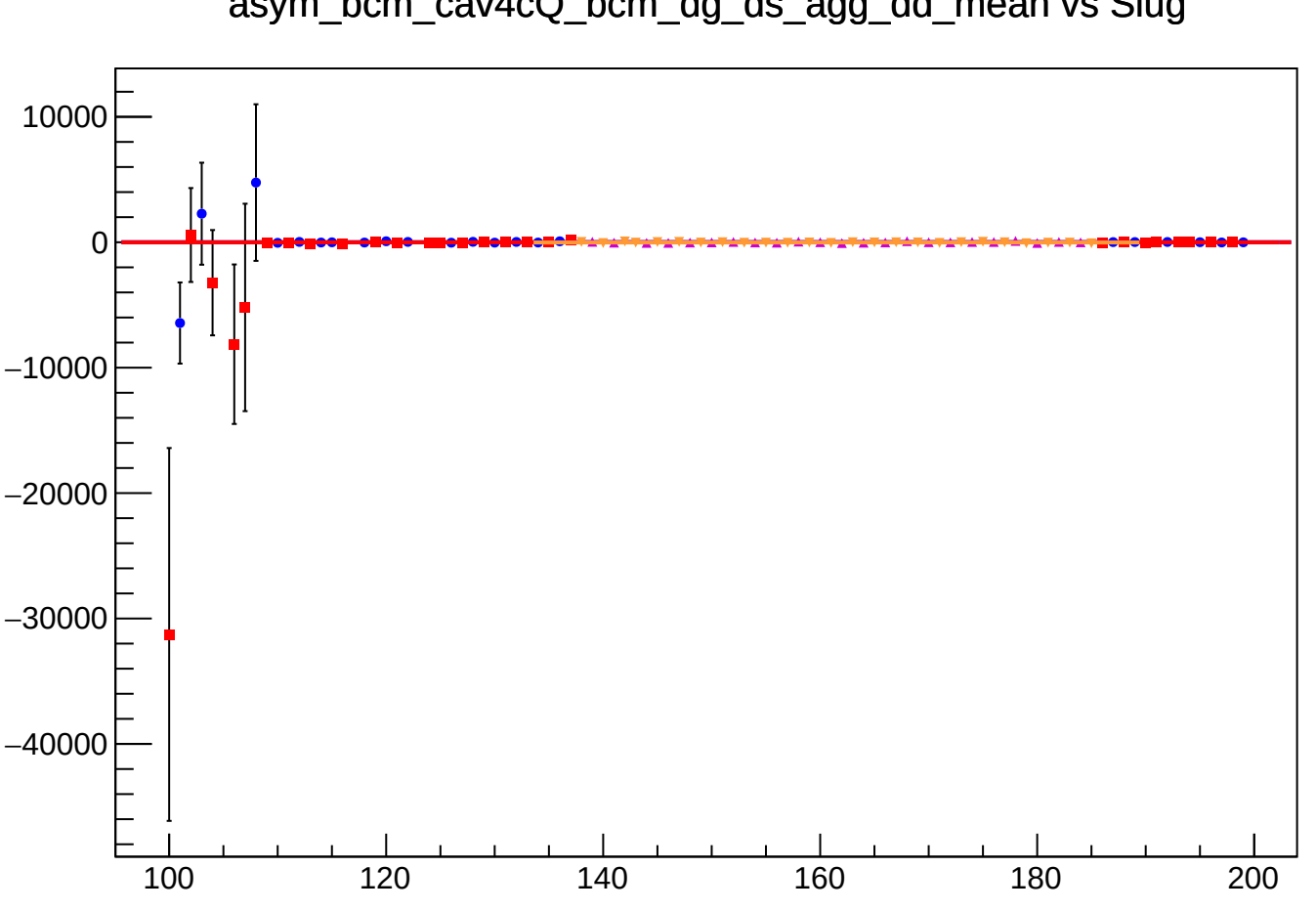
Right Out: 180.373+/-0.042 χ^2/NDF: 5441936.2/26

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 192.206+/-0.026 χ^2/NDF: 6810424.8/46

All: 187.872+/-0.018 χ^2/NDF: 13721703.5/96

- sign 183.827+/-0.025 χ^2/NDF: 6858465.7/49



Right In: 9.274+/-9.688 χ^2/NDF: 16.7/21

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -4.656+/-9.342 χ^2/NDF: 35.7/26

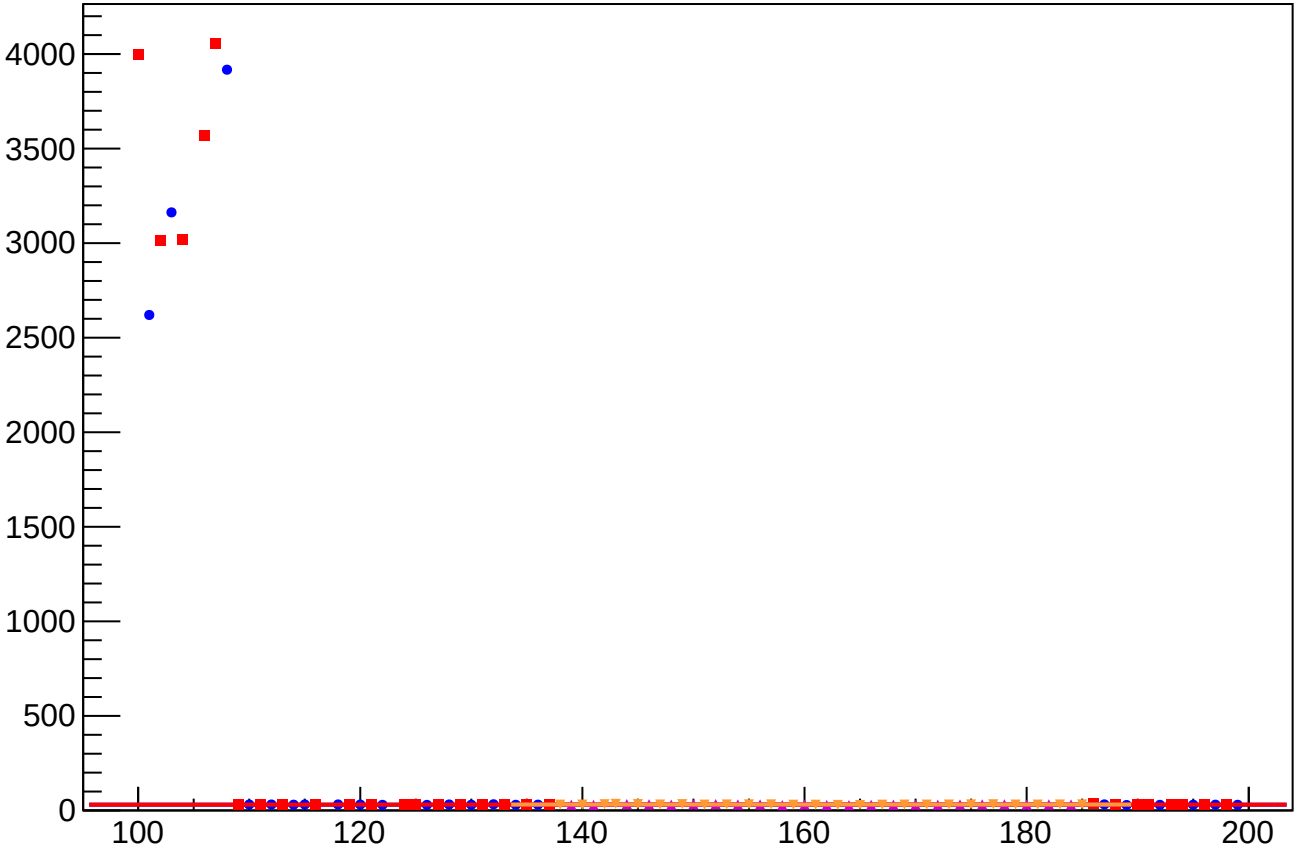
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.786+/-5.745 χ^2/NDF: 42.4/46

All: -4.469+/-4.073 χ^2/NDF: 115.2/96

- sign -0.106+/-5.775 χ^2/NDF: 71.6/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.476+/-0.007 χ^2/NDF: 3262606.7/21

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

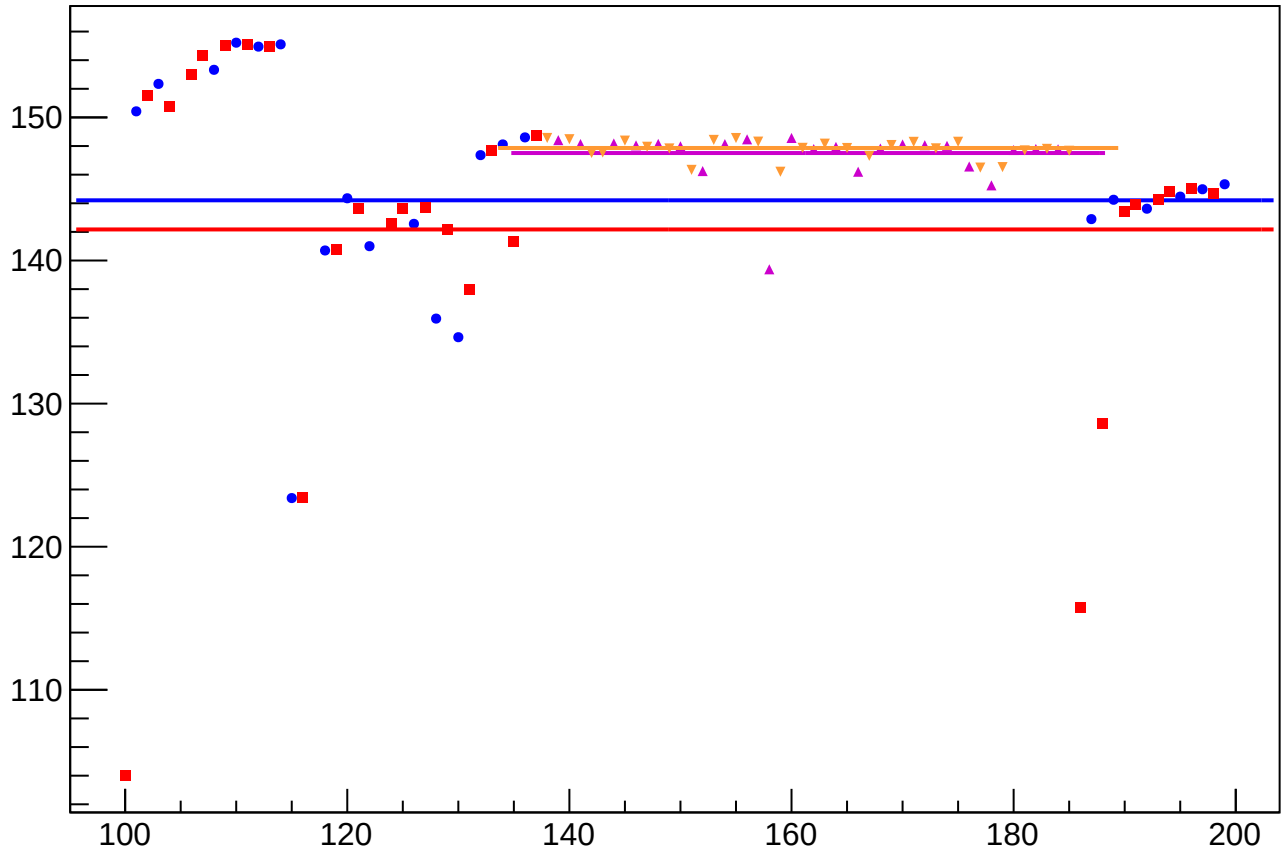
Right Out: 30.617+/-0.007 χ^2/NDF: 3553592.9/26

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.036+/-0.004 χ^2/NDF: 3335932.9/46

All: 31.062+/-0.003 χ^2/NDF: 6983075.7/96

\- sign 31.088+/-0.004 χ^2/NDF: 3647062.0/49



Right In: 144.207+/-0.000 χ^2/NDF: 3733109005.0/21

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.171+/-0.000 χ^2/NDF: 7493970861.8/26

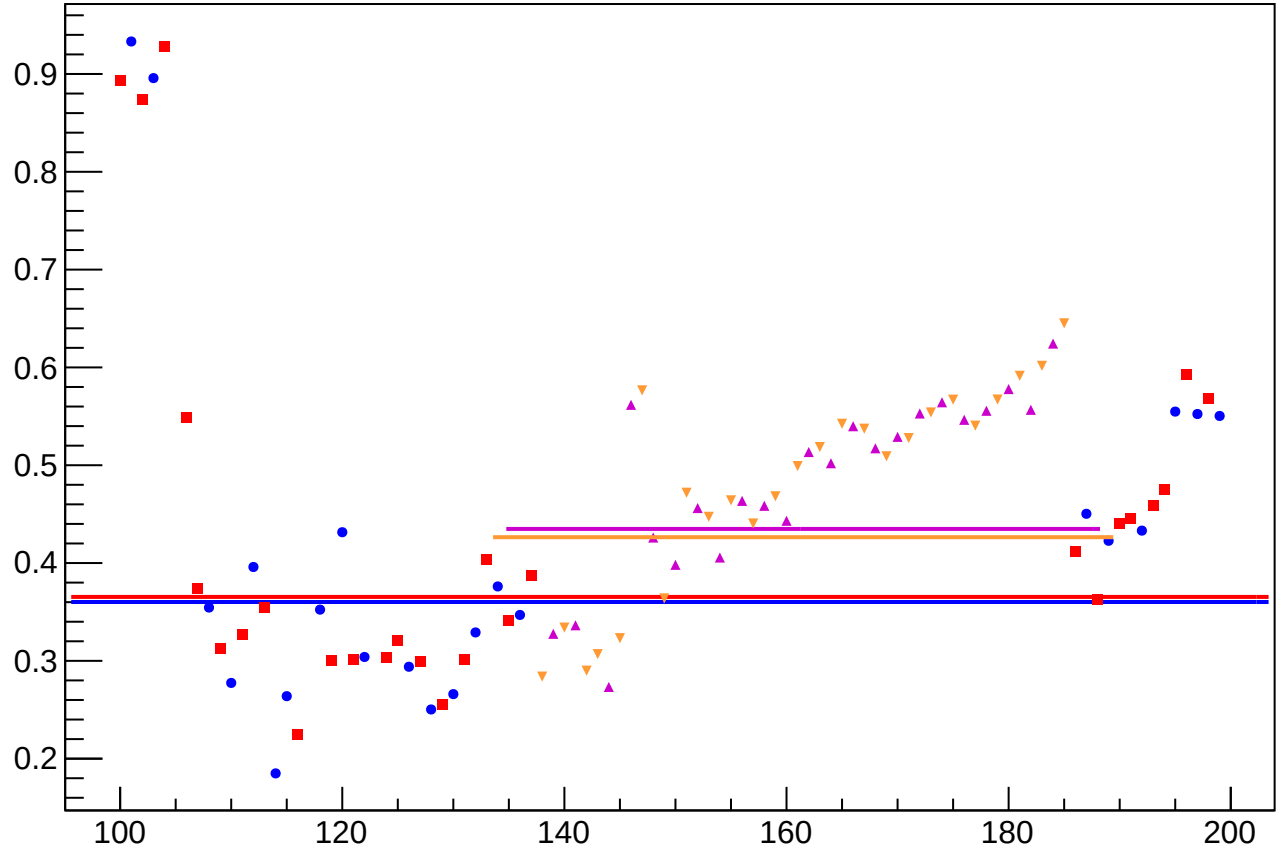
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.288+/-0.000 χ^2/NDF: 4337037709.1/46

All: 145.632+/-0.000 χ^2/NDF: 13493253498.

- sign 144.973+/-0.000 χ^2/NDF: 9009008952.1/49

yield_bcm_target_rms vs Slug



Right In: 0.360+/-0.000 χ^2/NDF: 2227708.1/21

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

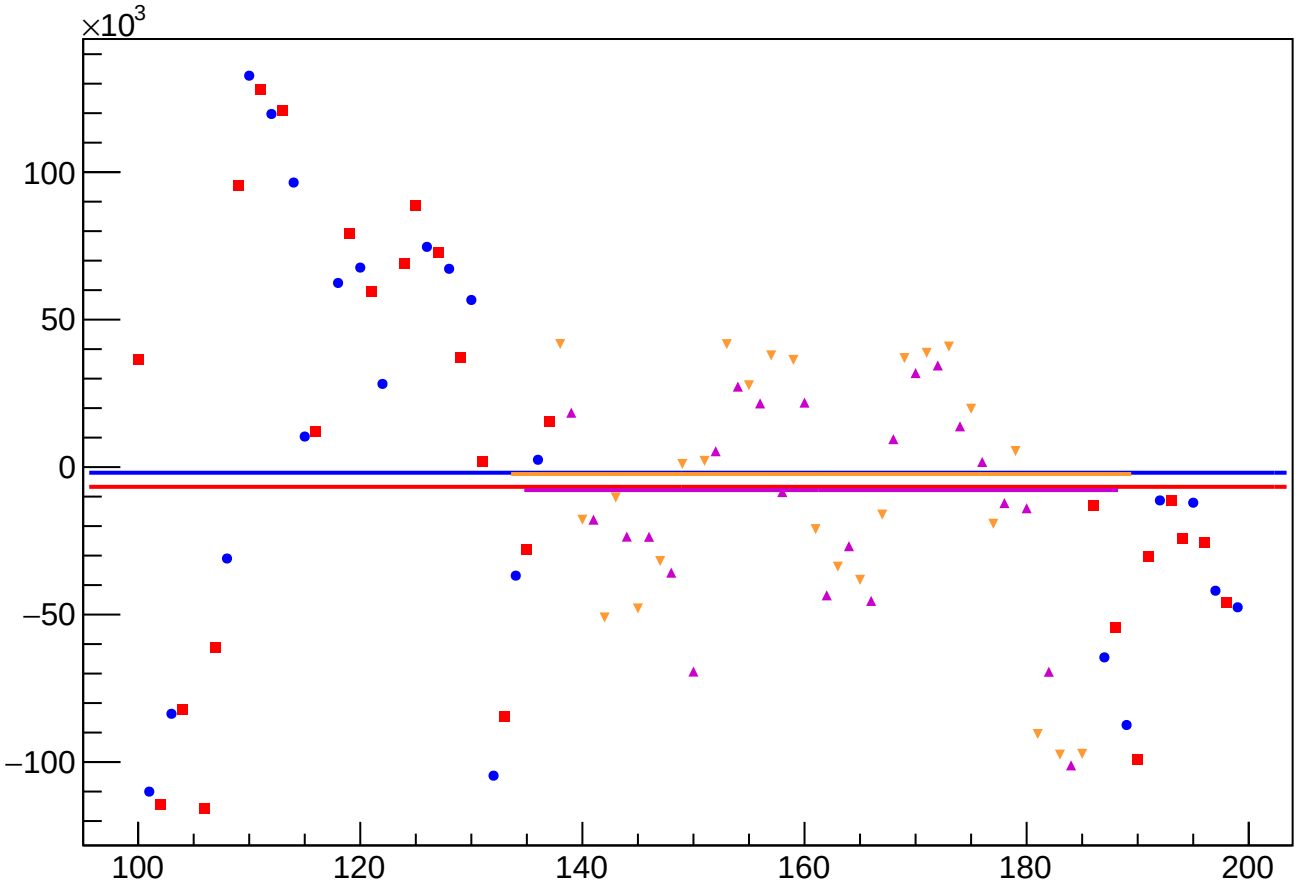
Right Out: 0.365+/-0.000 χ^2/NDF: 2087318.8/26

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.398+/-0.000 χ^2/NDF: 4854014.2/46

All: 0.400+/-0.000 χ^2/NDF: 9128646.3/96

- sign 0.402+/-0.000 χ^2/NDF: 4271955.2/49



Right In: -1904.594+/-1.599 χ^2/NDF: 1752118117.3/21

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -6686.277+/-1.475 χ^2/NDF: 2223326014.9/26

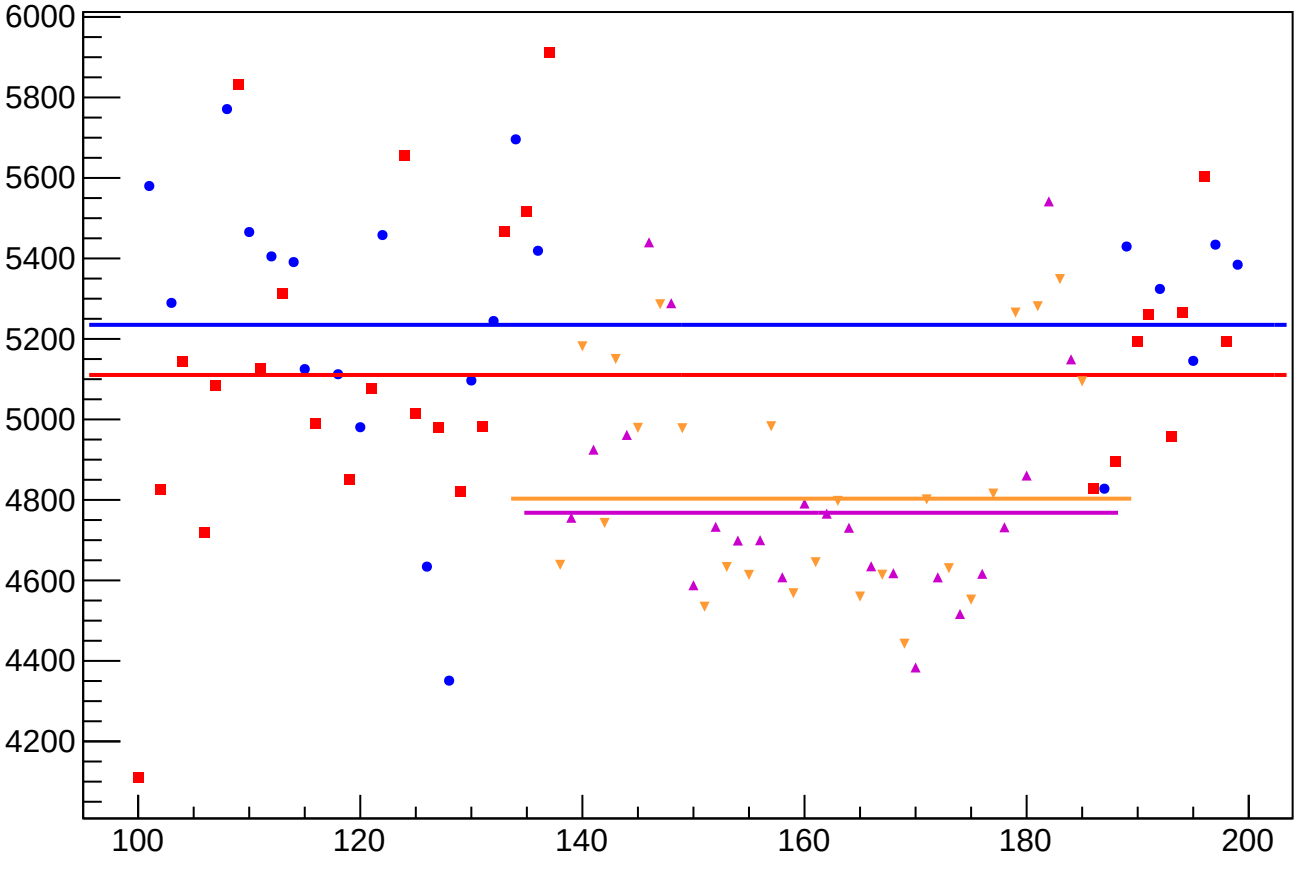
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -2199.408+/-0.919 χ^2/NDF: 2982198209.2/4

All: -4829.056+/-0.645 χ^2/NDF: 598447384

- sign -7373.777+/-0.904 χ^2/NDF: 2986170785.4/4

yield_bcm_an_diff_rms vs Slug



Right In: 5234.997+/-1.131 χ^2/NDF: 85993.2/21

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

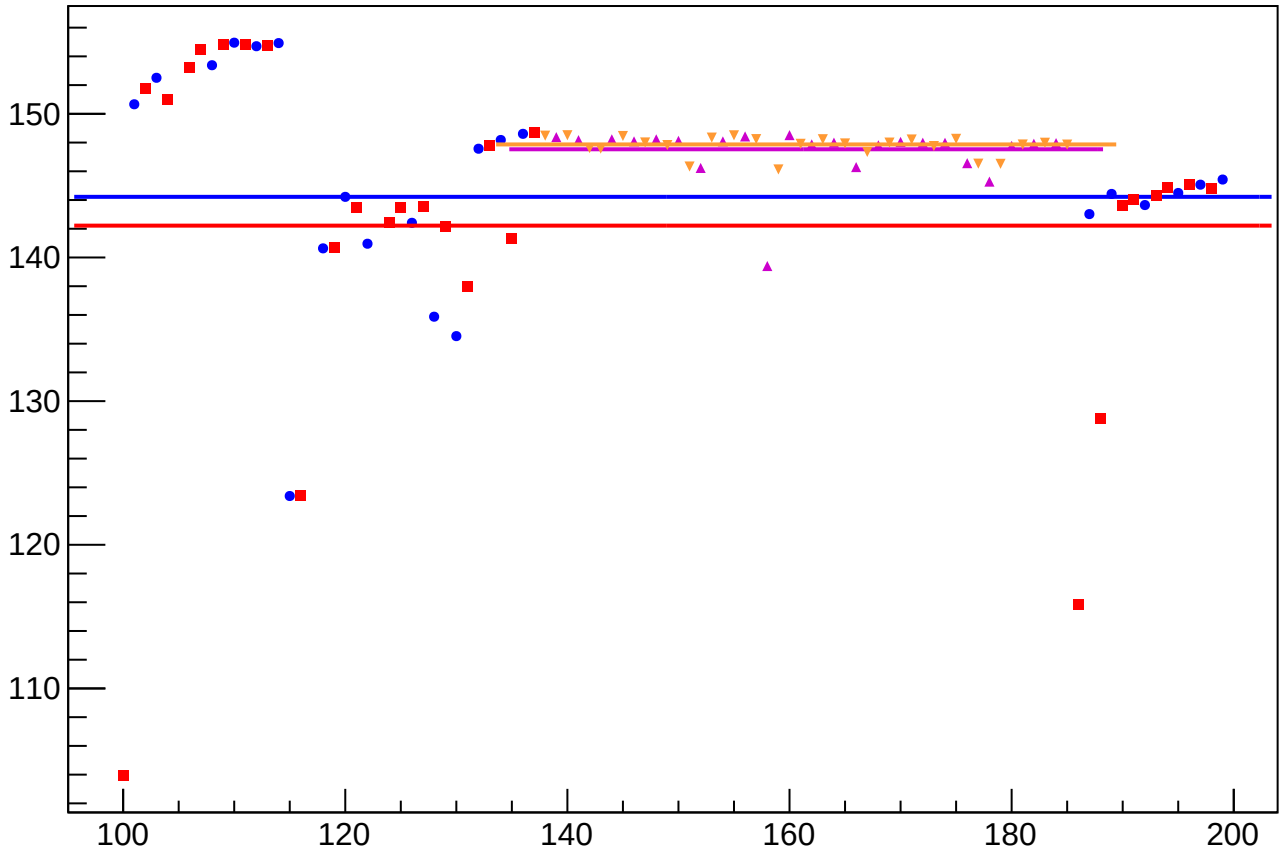
Right Out: 5110.458+/-1.043 χ^2/NDF: 81169.9/26

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4945.808+/-0.650 χ^2/NDF: 298342.3/46

All: 4920.879+/-0.456 χ^2/NDF: 552041.2/96

- sign 4896.754+/-0.639 χ^2/NDF: 250804.0/49



Right In: 144.222+/-0.000 χ^2/NDF: 3773997462.2/21

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.217+/-0.000 χ^2/NDF: 7467262555.1/26

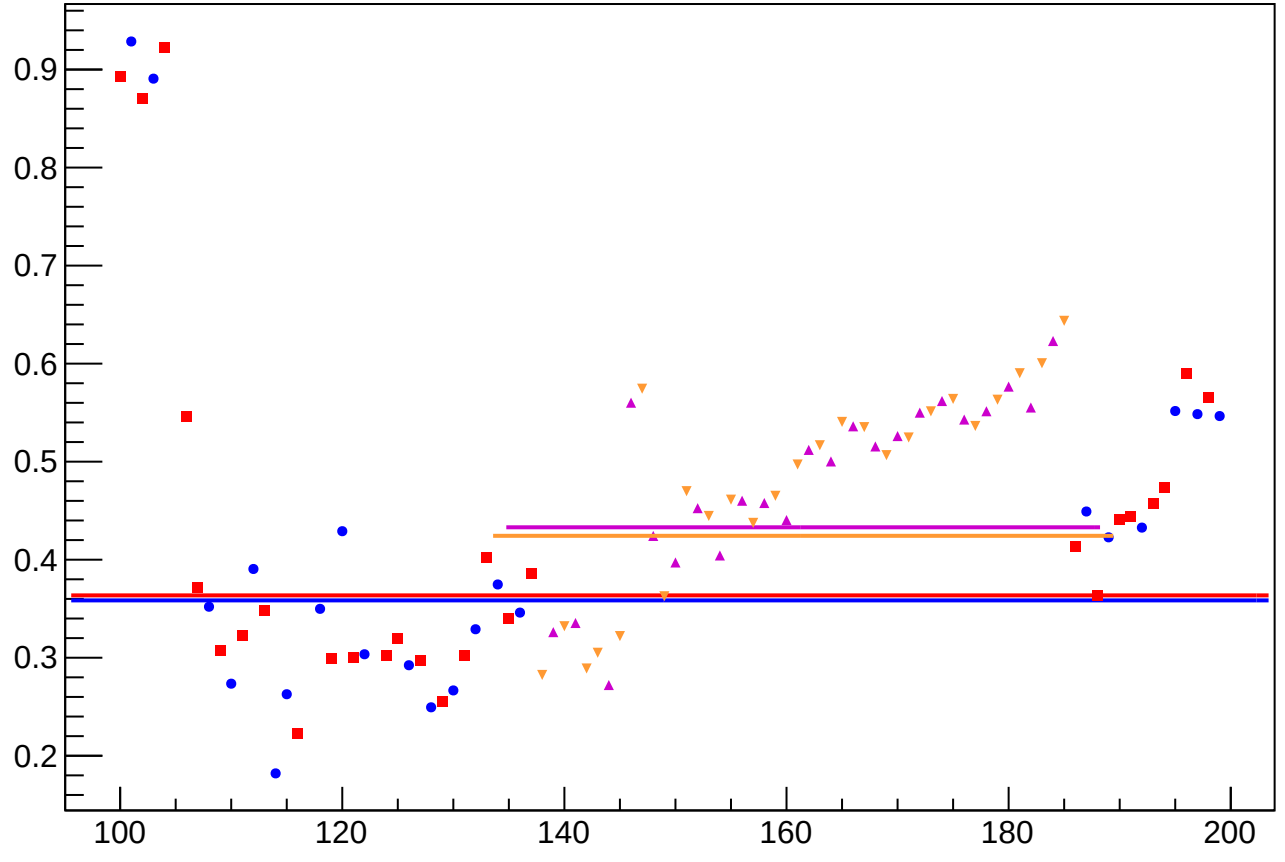
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.298+/-0.000 χ^2/NDF: 4380077395.2/46

All: 145.653+/-0.000 χ^2/NDF: 13505811317.

- sign 145.005+/-0.000 χ^2/NDF: 8982122831.3/49

yield_bcm_an_ds_rms vs Slug



Right In: 0.358+/-0.000 χ^2/NDF: 2227959.8/21

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

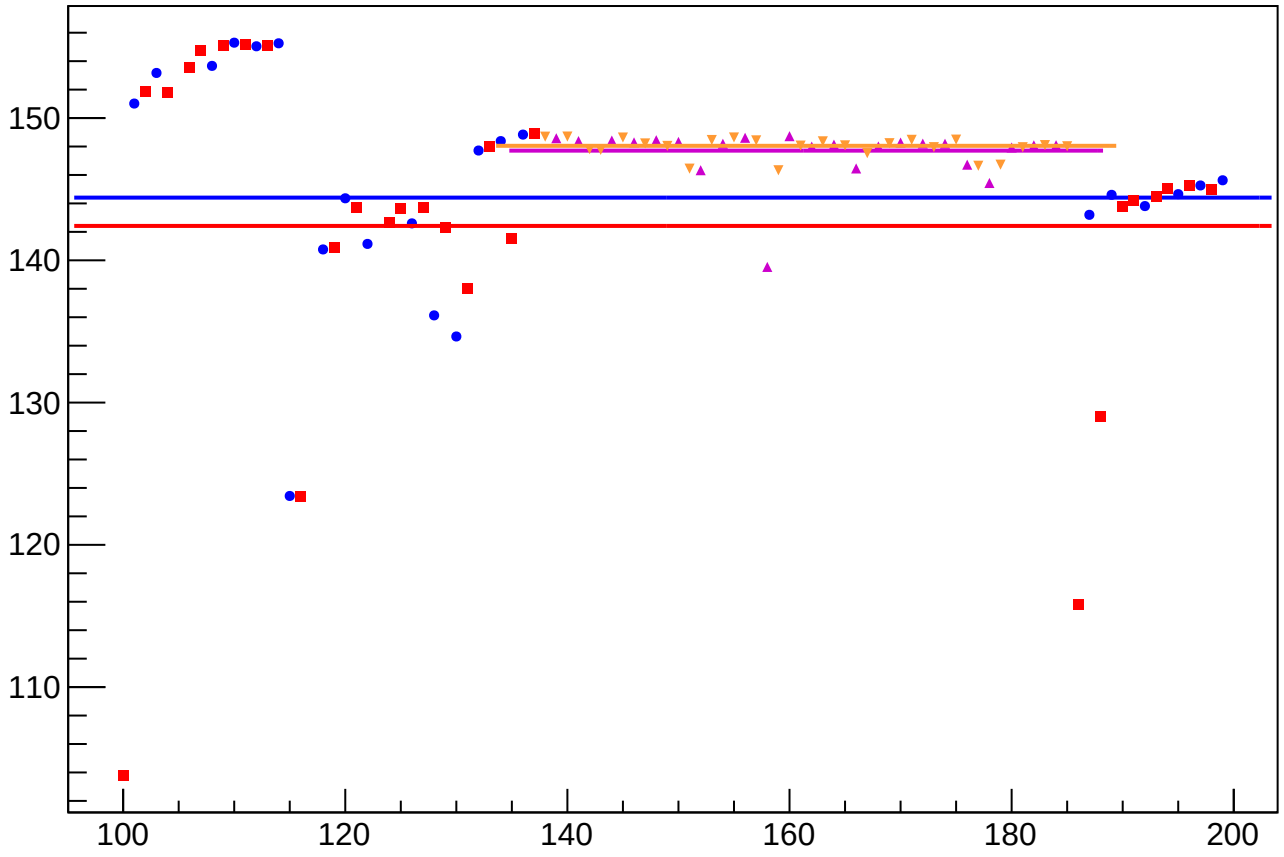
Right Out: 0.364+/-0.000 χ^2/NDF: 2093837.4/26

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.396+/-0.000 χ^2/NDF: 4854962.6/46

All: 0.398+/-0.000 χ^2/NDF: 9135262.6/96

- sign 0.400+/-0.000 χ^2/NDF: 4277479.6/49



Right In: 144.408+/-0.000 χ^2/NDF: 3767892731.8/21

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.418+/-0.000 χ^2/NDF: 7402826540.2/26

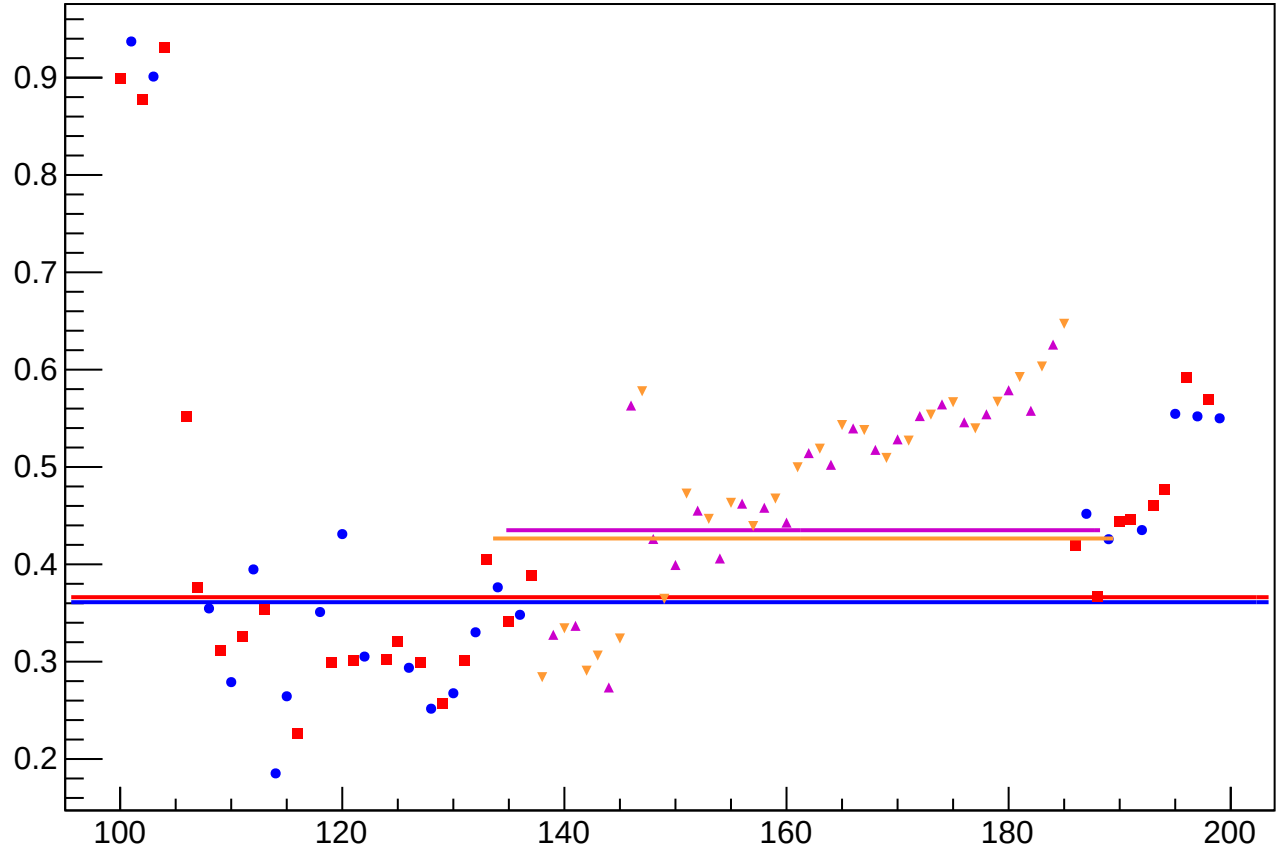
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.484+/-0.000 χ^2/NDF: 4365418145.9/46

All: 145.844+/-0.000 χ^2/NDF: 13403201788.

- sign 145.201+/-0.000 χ^2/NDF: 8898073027.7/49

yield_bcm_an_ds3_rms vs Slug



Right In: 0.361+/-0.000 χ^2/NDF: 2219608.8/21

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

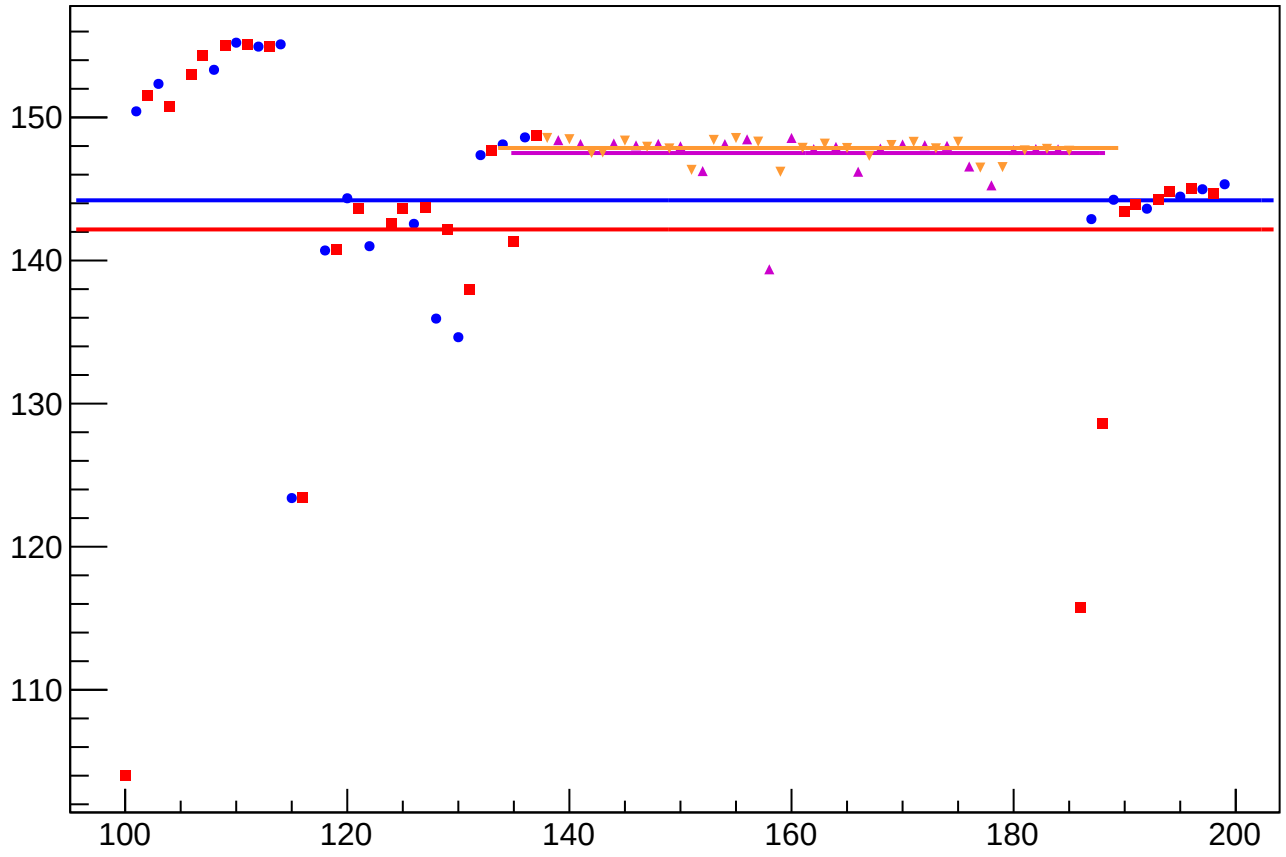
Right Out: 0.366+/-0.000 χ^2/NDF: 2092929.2/26

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.398+/-0.000 χ^2/NDF: 4834239.9/46

All: 0.400+/-0.000 χ^2/NDF: 9099715.6/96

- sign 0.402+/-0.000 χ^2/NDF: 4262741.5/49



Right In: 144.207+/-0.000 χ^2/NDF: 3733109005.0/21

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

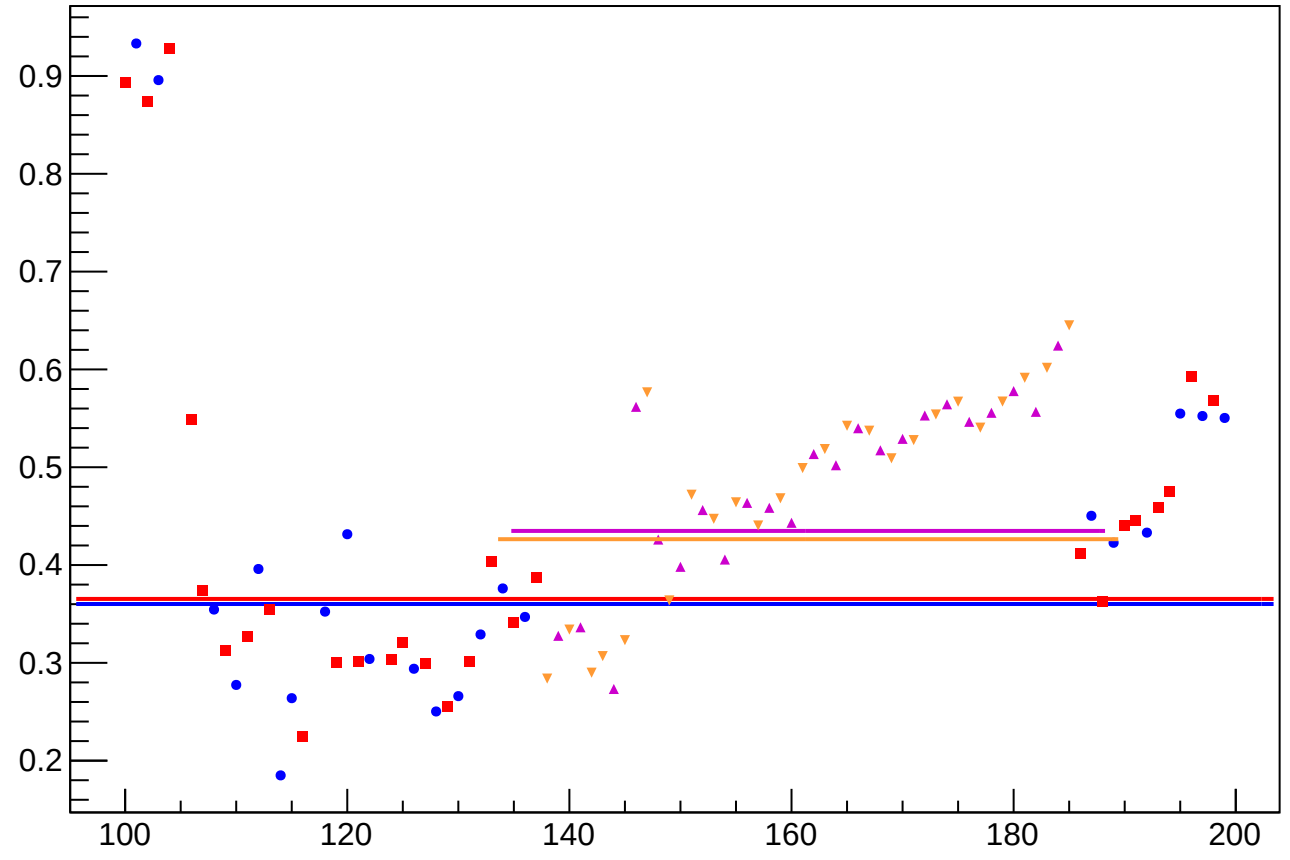
Right Out: 142.171+/-0.000 χ^2/NDF: 7493970861.8/26

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.288+/-0.000 χ^2/NDF: 4337037709.1/46

All: 145.632+/-0.000 χ^2/NDF: 13493253498.

- sign 144.973+/-0.000 χ^2/NDF: 9009008952.1/49



Right In: 0.360+/-0.000 χ^2/NDF: 2227708.1/21

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

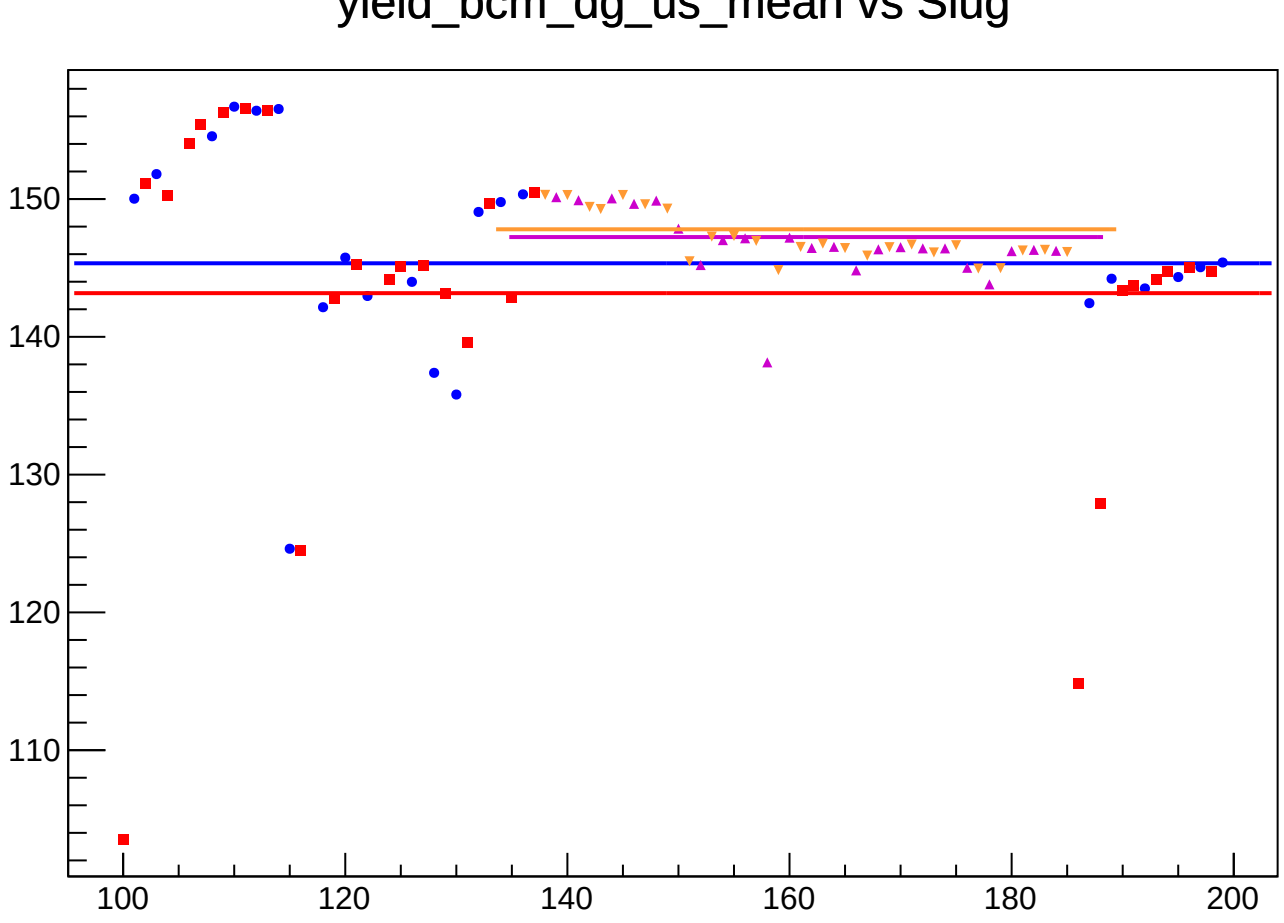
Right Out: 0.365+/-0.000 χ^2/NDF: 2087318.8/26

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.398+/-0.000 χ^2/NDF: 4854014.2/46

All: 0.400+/-0.000 χ^2/NDF: 9128646.3/96

- sign 0.402+/-0.000 χ^2/NDF: 4271955.2/49



Right In: 145.338+/-0.000 χ^2/NDF: 3514985307.8/21

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

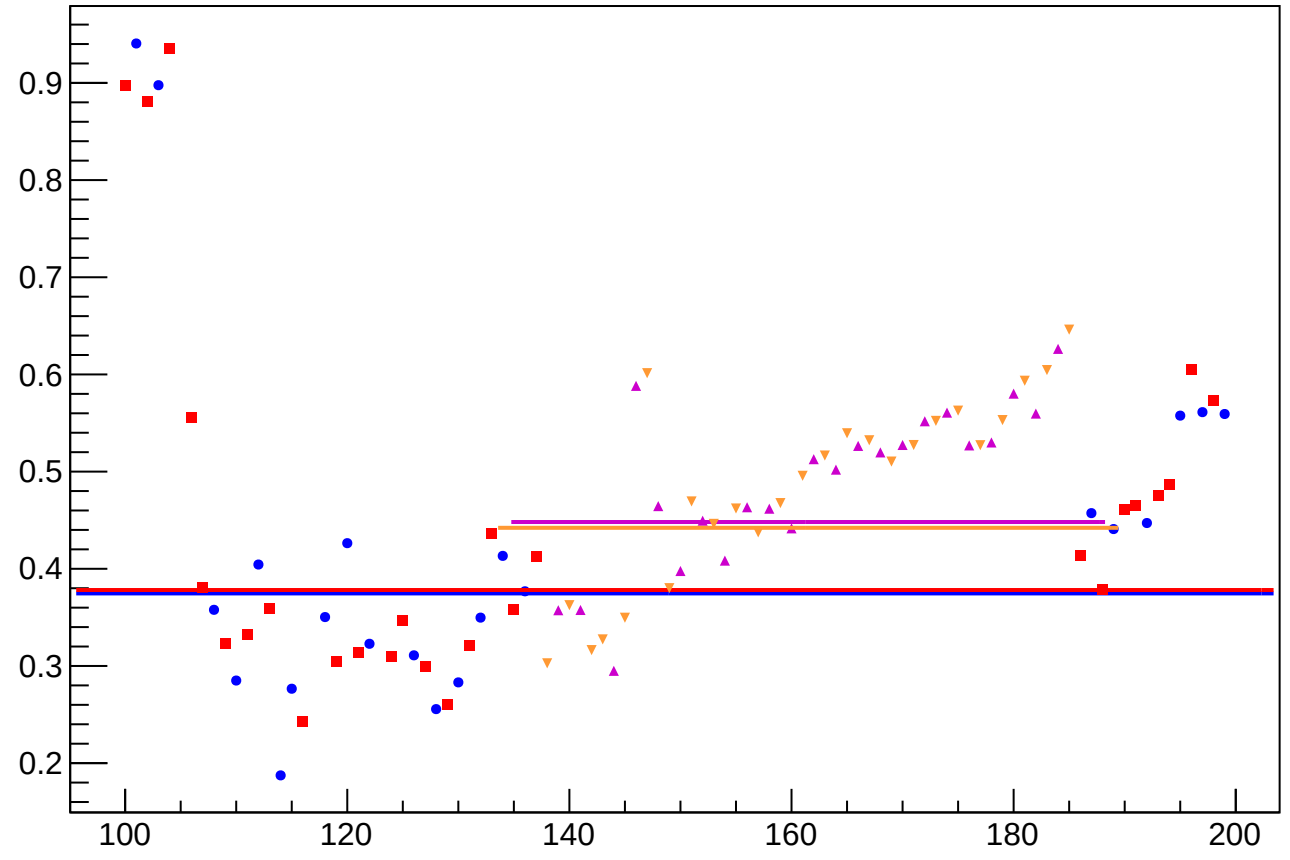
Right Out: 143.170+/-0.000 χ^2/NDF: 7596307673.8/26

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.752+/-0.000 χ^2/NDF: 4079350957.6/46

All: 146.037+/-0.000 χ^2/NDF: 13119093148.

- sign 145.327+/-0.000 χ^2/NDF: 8877361914.5/49



Right In: 0.375+/-0.000 χ^2/NDF: 2128081.0/21

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

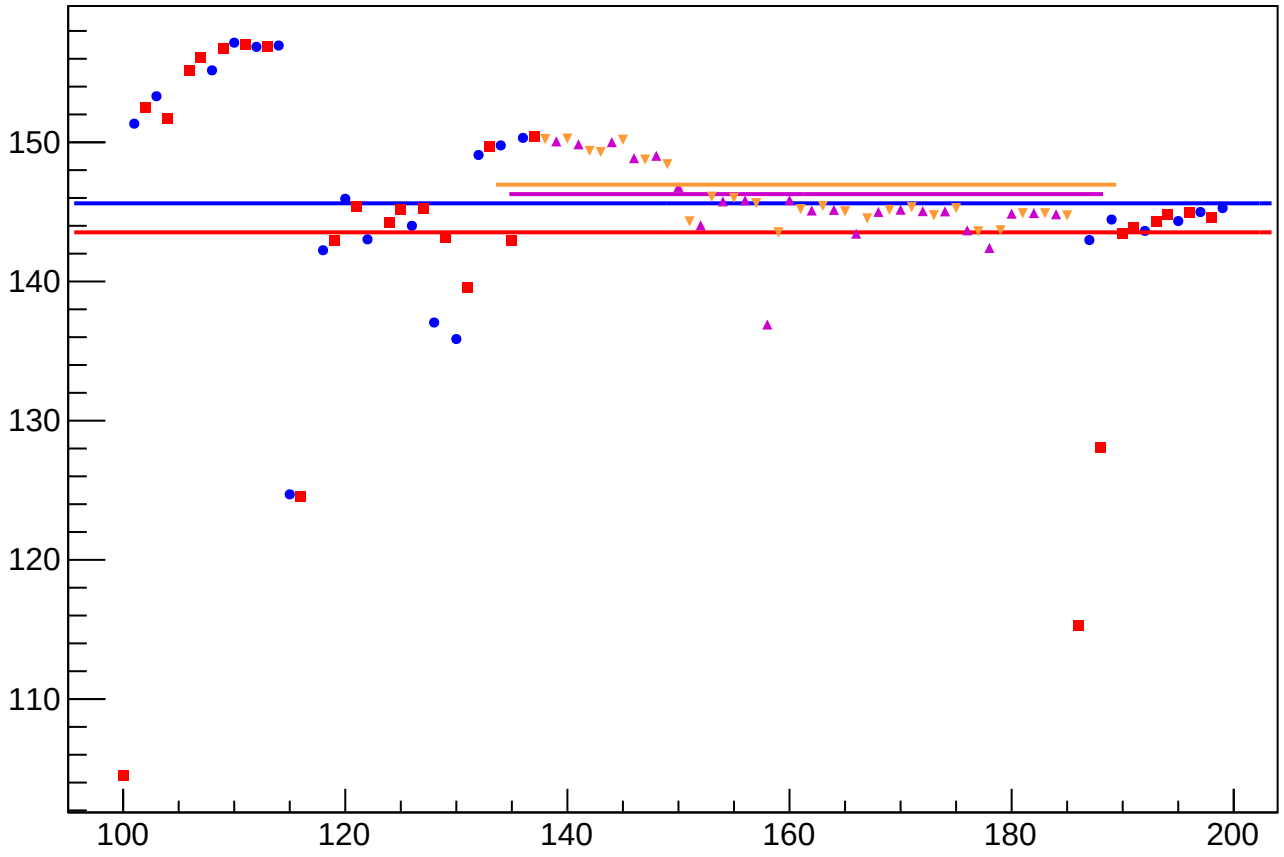
Right Out: 0.378+/-0.000 χ^2/NDF: 2016897.0/26

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.413+/-0.000 χ^2/NDF: 4187991.3/46

All: 0.414+/-0.000 χ^2/NDF: 7944779.1/96

- sign 0.415+/-0.000 χ^2/NDF: 3756225.4/49



Right In: 145.616+/-0.000 χ^2/NDF: 3660597940.6/21

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.531+/-0.000 χ^2/NDF: 7667044530.9/26

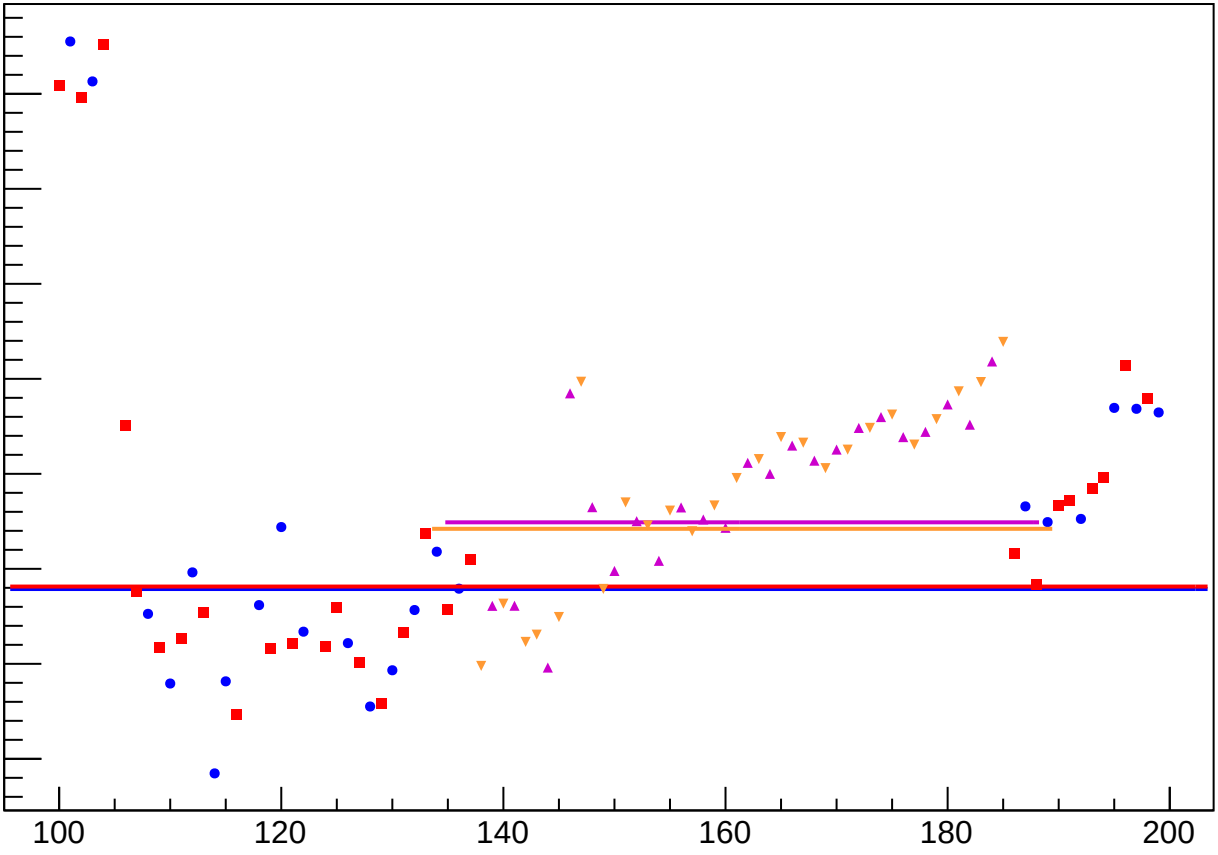
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.392+/-0.000 χ^2/NDF: 4272444532.0/46

All: 145.693+/-0.000 χ^2/NDF: 13216439253.

- sign 144.998+/-0.000 χ^2/NDF: 8790192128.4/49

yield_bcm_dg_ds_rms vs Slug



Right In: 0.379+/-0.000 χ^2/NDF: 2162990.4/21

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.381+/-0.000 χ^2/NDF: 2034508.6/26

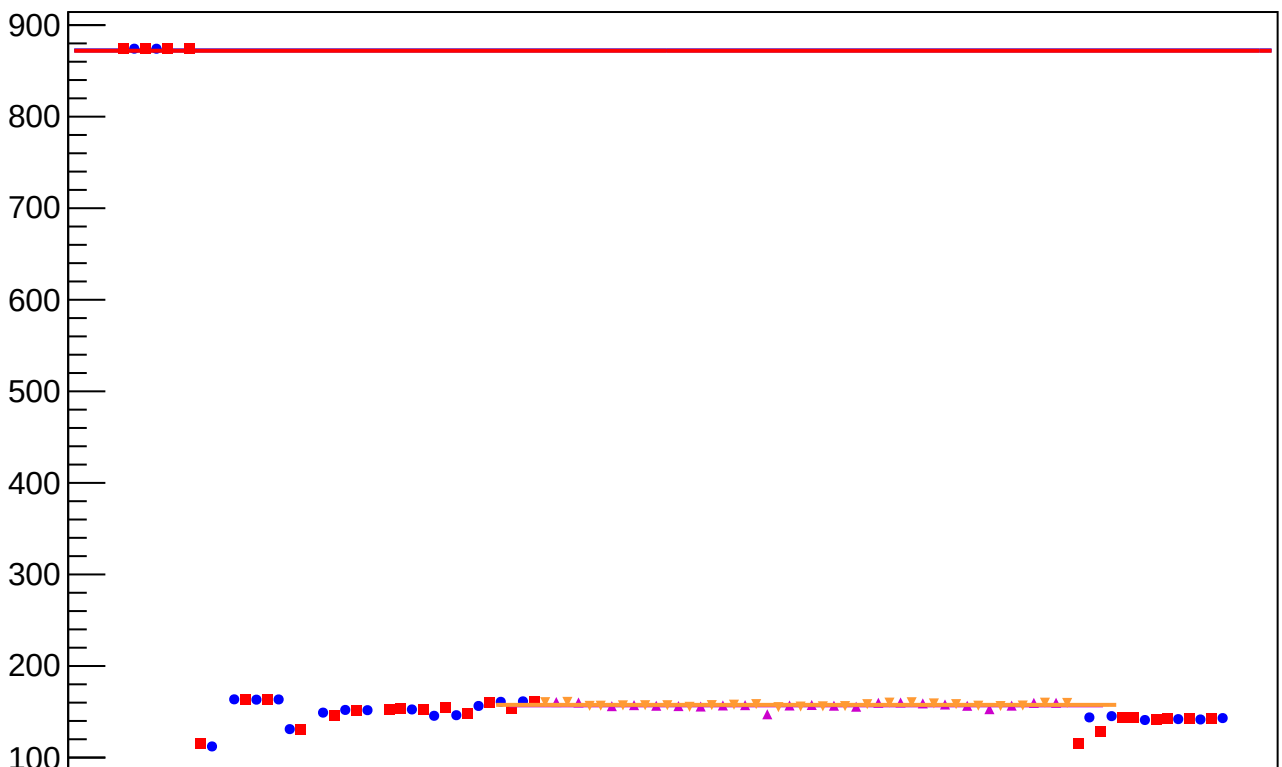
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.415+/-0.000 χ^2/NDF: 4148524.6/46

All: 0.416+/-0.000 χ^2/NDF: 7845348.6/96

- sign 0.417+/-0.000 χ^2/NDF: 3696198.7/49

yield_cav4bQ_mean vs Slug



Right In: 872.350+/-0.000 χ^2/NDF: 9646293250795.2/21

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.978+/-0.000 χ^2/NDF: 13388606156356.6/26

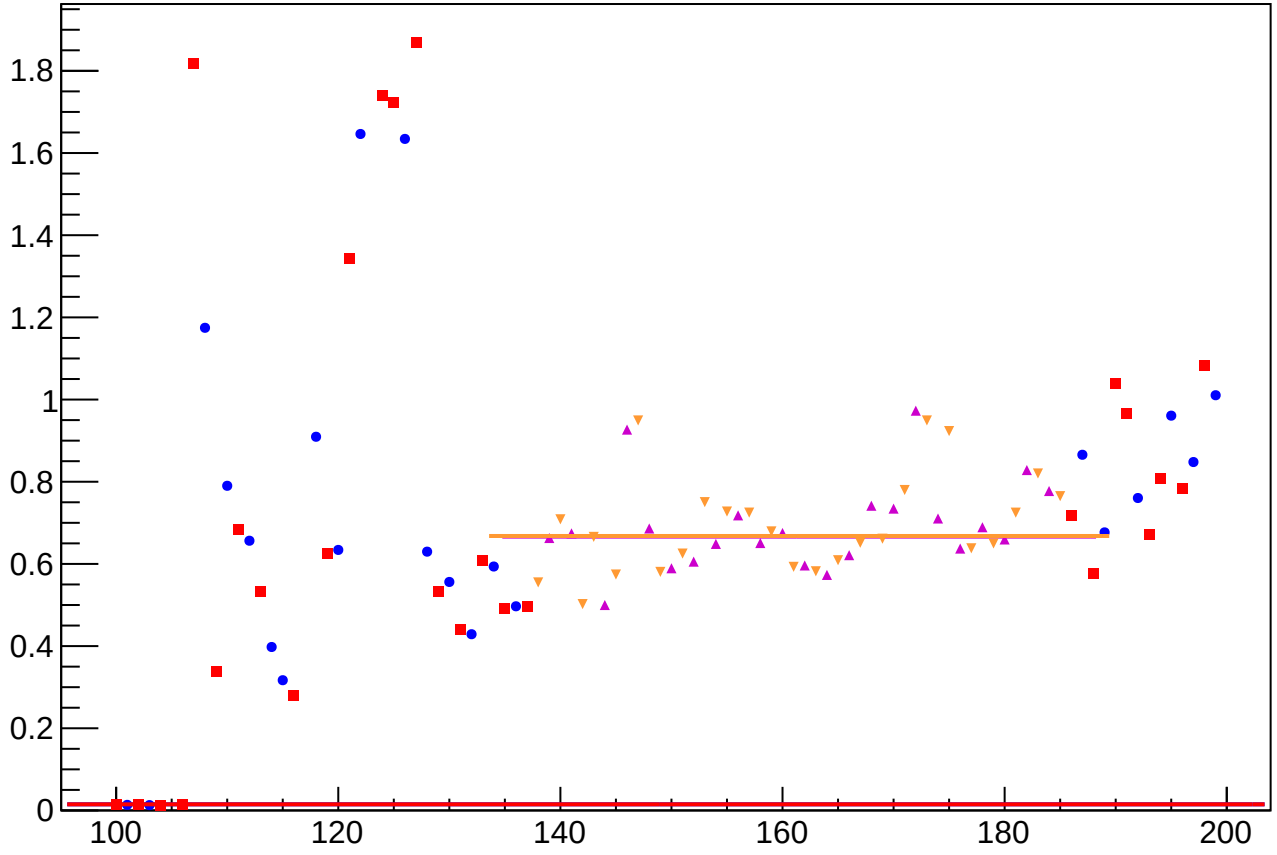
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.969+/-0.000 χ^2/NDF: 26874717060078.

All: 869.076+/-0.000 χ^2/NDF: 567651643055

- sign 869.169+/-0.000 χ^2/NDF: 29890294417321.5

yield_cav4bQ_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 15961222.4/21

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 17730943.6/26

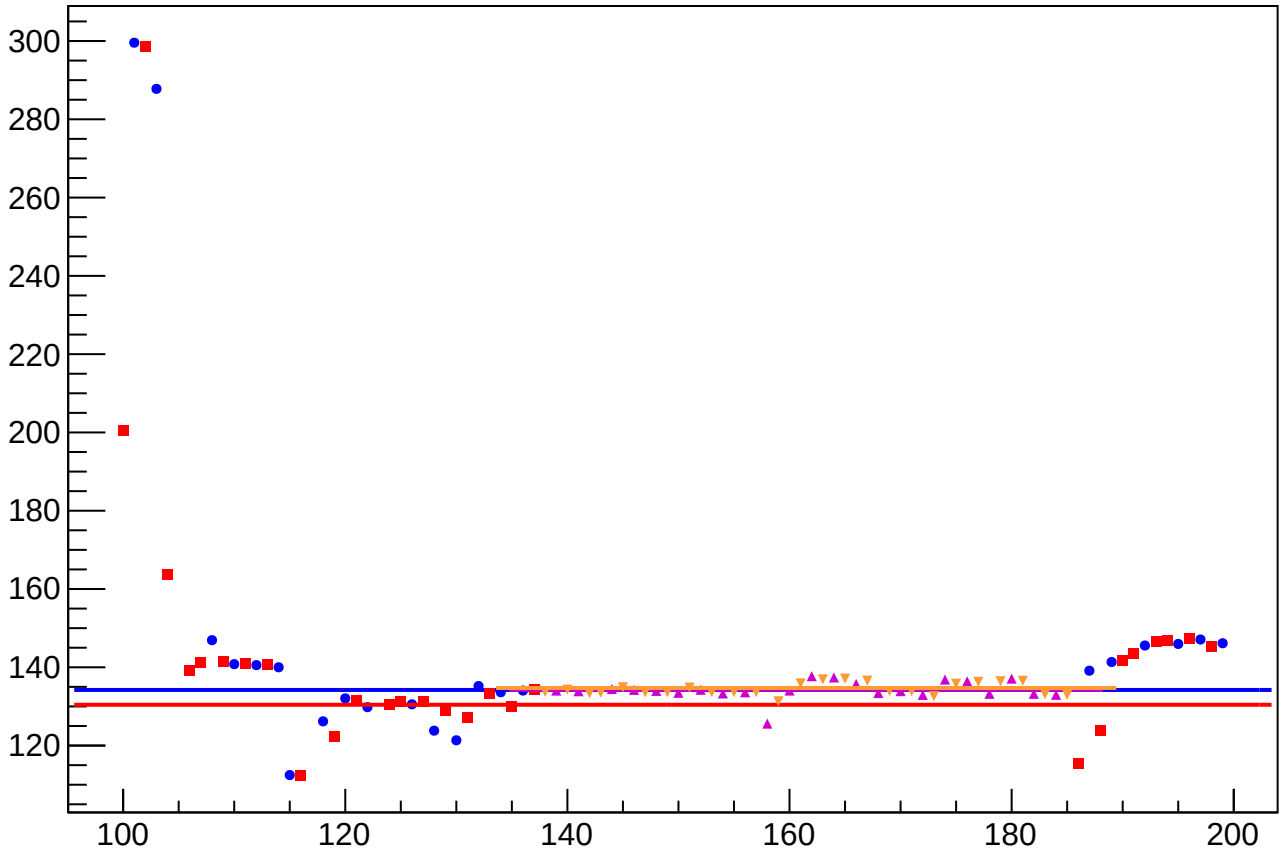
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 45405835.0/46

All: 0.018+/-0.000 χ^2/NDF: 91082574.1/96

- sign 0.017+/-0.000 χ^2/NDF: 45674641.0/49

yield_cav4cQ_mean vs Slug



Right In: 134.214+/-0.000 χ^2/NDF: 2880519234.0/21

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 130.433+/-0.000 χ^2/NDF: 4058899199.3/26

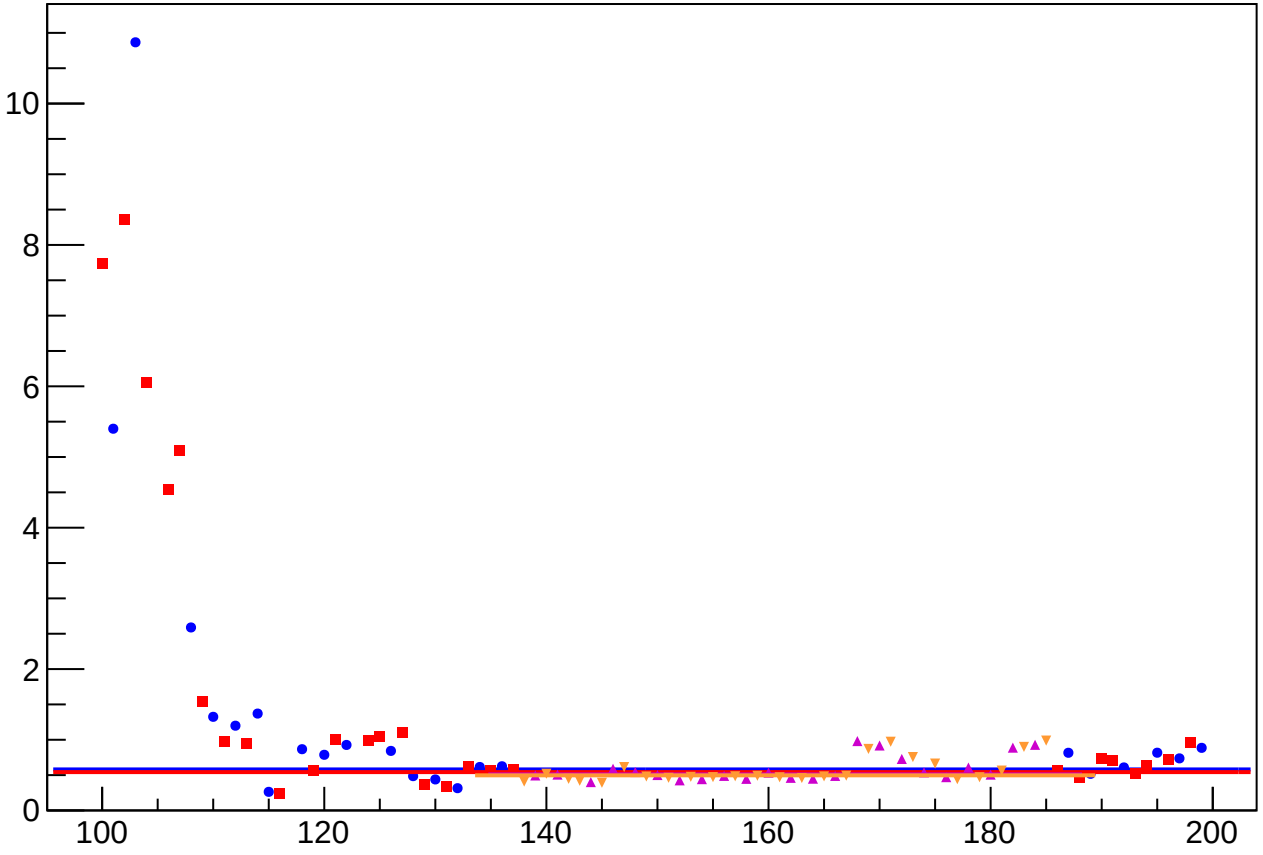
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.597+/-0.000 χ^2/NDF: 3044290635.8/46

All: 133.852+/-0.000 χ^2/NDF: 7907198982.3

- sign 133.100+/-0.000 χ^2/NDF: 4765595187.3/49

yield_cav4cQ_rms vs Slug



Right In: 0.580+/-0.000 χ^2/NDF: 4624116.9/21

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 0.516+/-0.000 χ^2/NDF: 6413898.6/46

All: 0.518+/-0.000 χ^2/NDF: 13368996.6/96

- sign 0.520+/-0.000 χ^2/NDF: 6954223.8/49

yield_cav4dQ_mean vs Slug

Right In: 1798.156+/-0.000 χ^2/NDF: 186171651299855.8/21

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1814.152+/-0.000 χ^2/NDF: 2024072377120 79.8/26

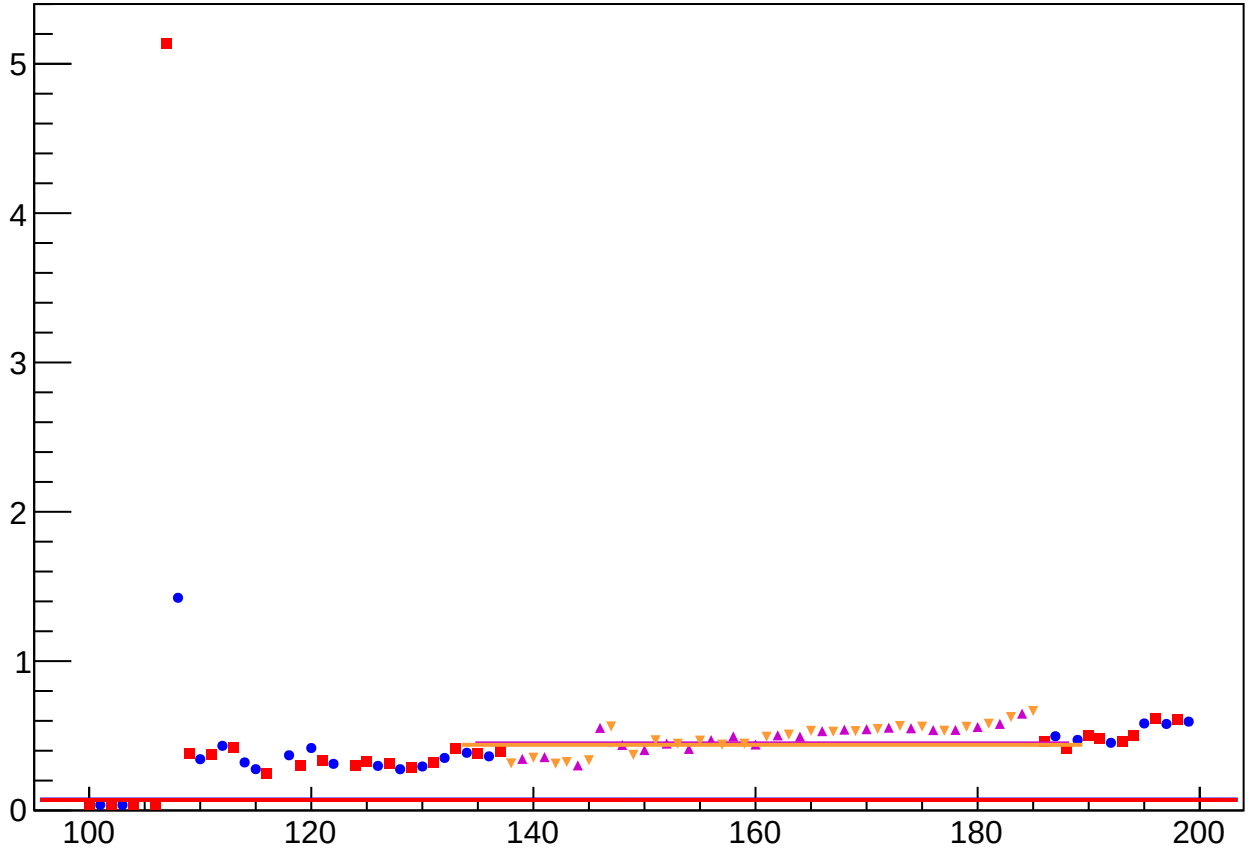
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1570.596+/-0.000 χ^2/NDF: 4071101694844 2

All: 1602.032+/-0.000 χ^2/NDF: 8231725570 5

- sign 1629.642+/-0.000 χ^2/NDF: 41480480985677

yield_cav4dQ_rms vs Slug



Right In: 0.073+/-0.000 χ^2/NDF: 14246051.3/21

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 0.123+/-0.000 χ^2/NDF: 37531172.9/46

All: 0.117+/-0.000 χ^2/NDF: 76115903.6/96

- sign 0.112+/-0.000 χ^2/NDF: 38492288.1/49

yield_bcm0l02_mean vs Slug

Right In: 161.581+/-0.000 χ^2/NDF: 15490801064.1/21

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 160.678+/-0.000 χ^2/NDF: 17803370690.4/26

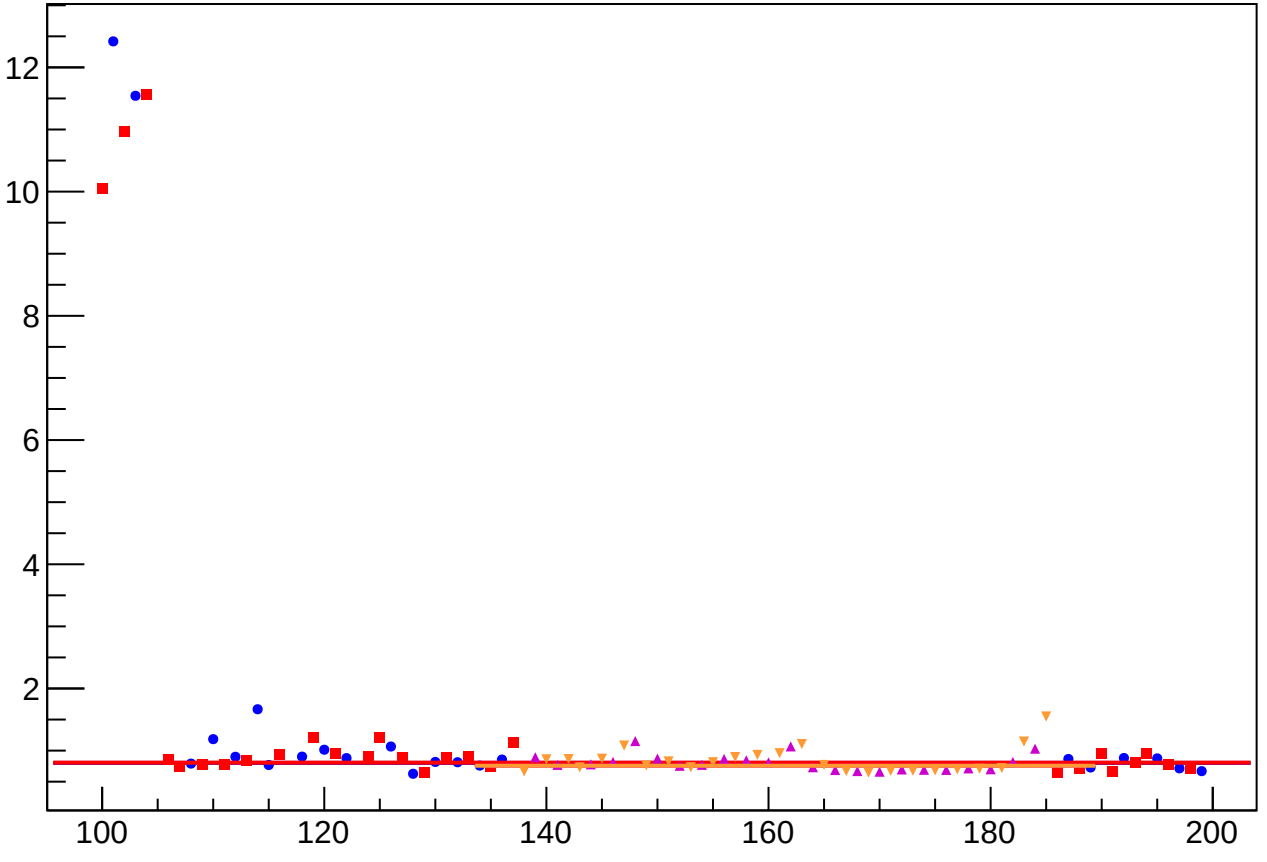
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 161.286+/-0.000 χ^2/NDF: 19231337677.5/46

All: 160.805+/-0.000 χ^2/NDF: 40792083794.

- sign 160.330+/-0.000 χ^2/NDF: 21544174839.9/49

yield_bcm0l02_rms vs Slug



Right In: 0.802+/-0.000 χ^2/NDF: 2451649.9/21

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

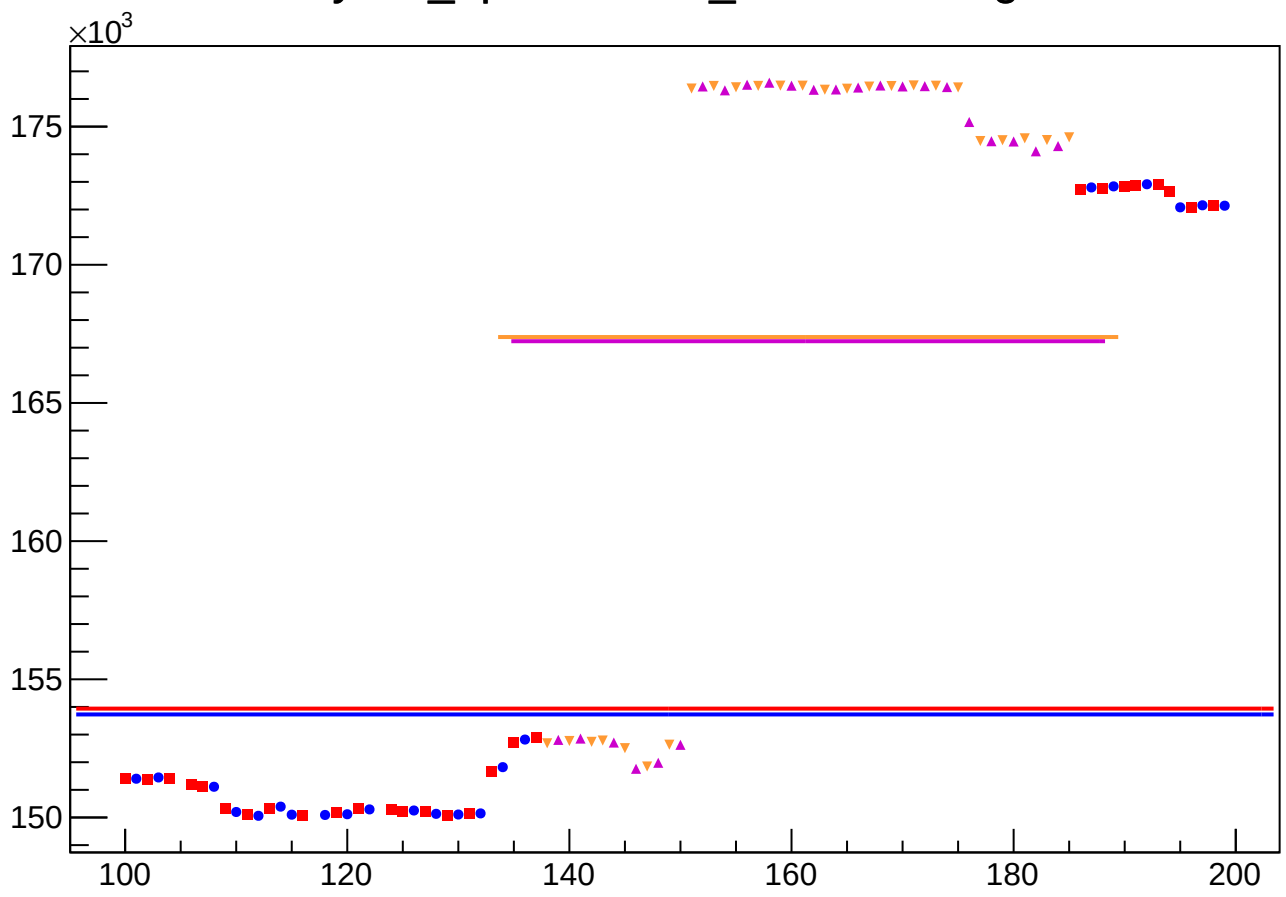
Right Out: 0.806+/-0.000 χ^2/NDF: 2406099.1/26

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.771+/-0.000 χ^2/NDF: 3234936.3/46

All: 0.772+/-0.000 χ^2/NDF: 6156391.3/96

- sign 0.773+/-0.000 χ^2/NDF: 2921266.6/49



Right In: 153728.597+/-0.051 χ^2/NDF: 23403944665.2/21

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153939.722+/-0.047 χ^2/NDF: 28815610128.8/26

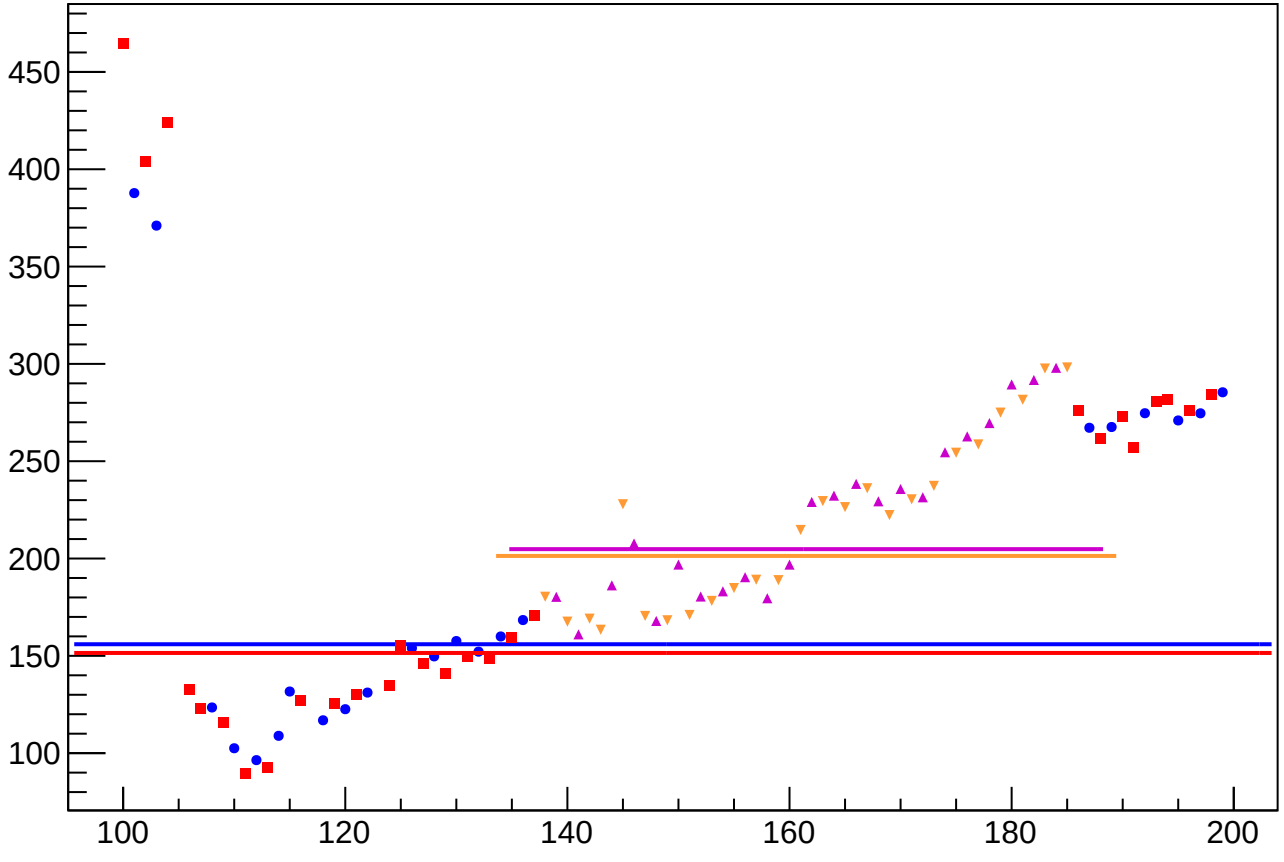
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161086.618+/-0.034 χ^2/NDF: 12239566911

All: 160695.400+/-0.024 χ^2/NDF: 24508508

- sign 160314.631+/-0.034 χ^2/NDF: 12243274405

yield_bpm2i01WS_rms vs Slug



Right In: 155.961+/-0.036 χ^2/NDF: 3287749.6/21

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 151.481+/-0.033 χ^2/NDF: 4130271.7/26

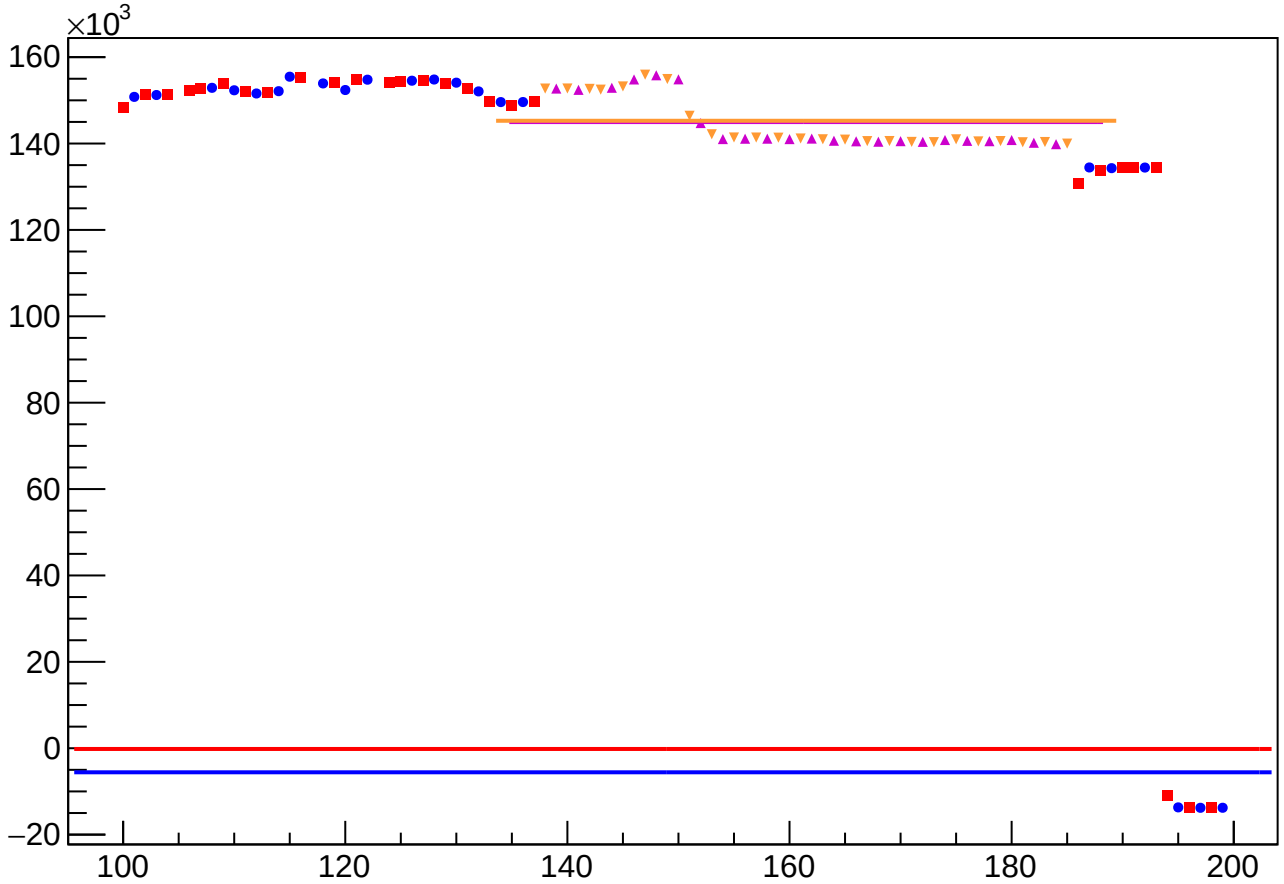
Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 180.404+/-0.024 χ^2/NDF: 5387745.0/46

All: 178.710+/-0.017 χ^2/NDF: 11821079.8/96

- sign 177.061+/-0.024 χ^2/NDF: 6423707.0/49

yield_bpm0i07WS_mean vs Slug



Right In: -5572.506+/-0.015 χ^2/NDF: 5684025101294.0/21

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -169.812+/-0.017 χ^2/NDF: 6697584392431.8/26

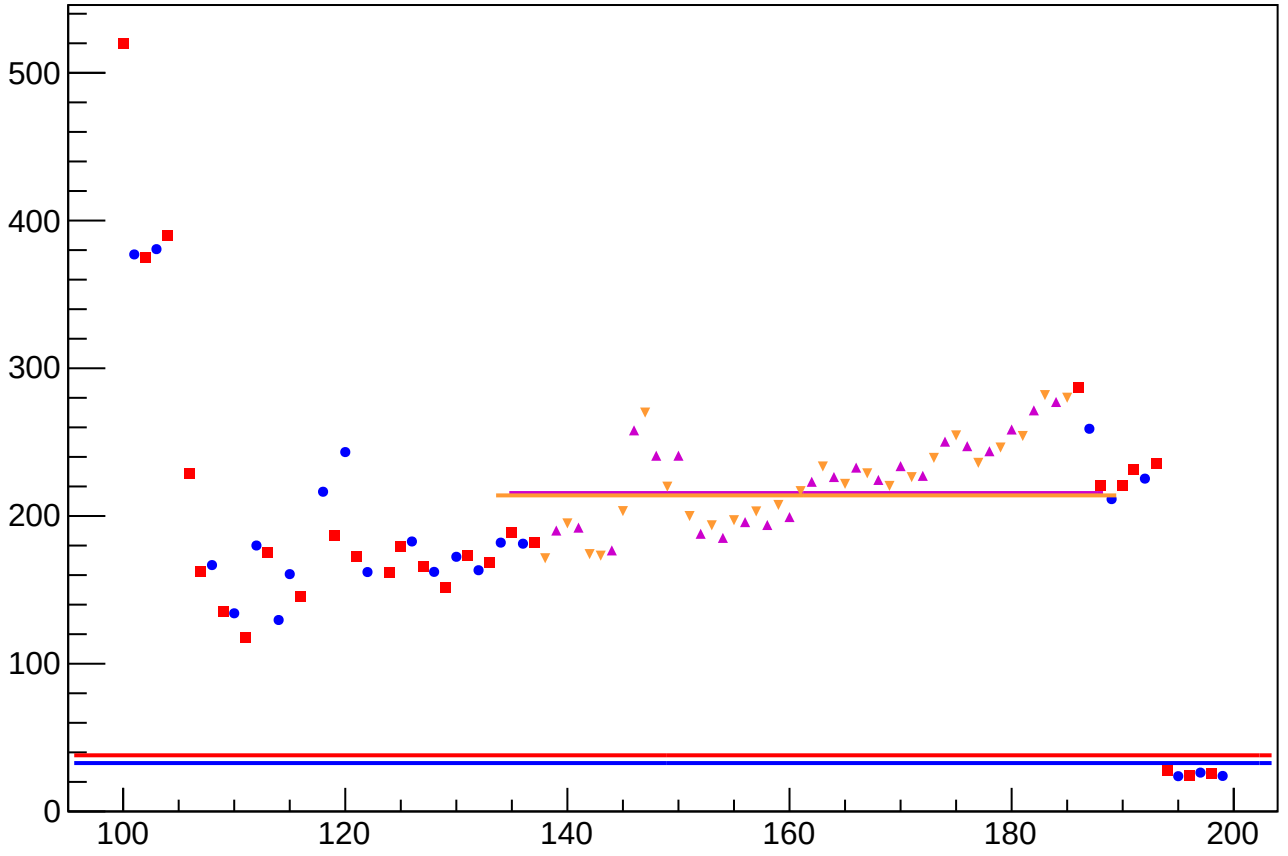
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 7117.136+/-0.014 χ^2/NDF: 1424146748633

All: 10307.384+/-0.011 χ^2/NDF: 282930808

- sign 14399.380+/-0.016 χ^2/NDF: 1393839191714

yield_bpm0i07WS_rms vs Slug



Right In: 32.753+/-0.011 χ^2/NDF: 12252525.2/21

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

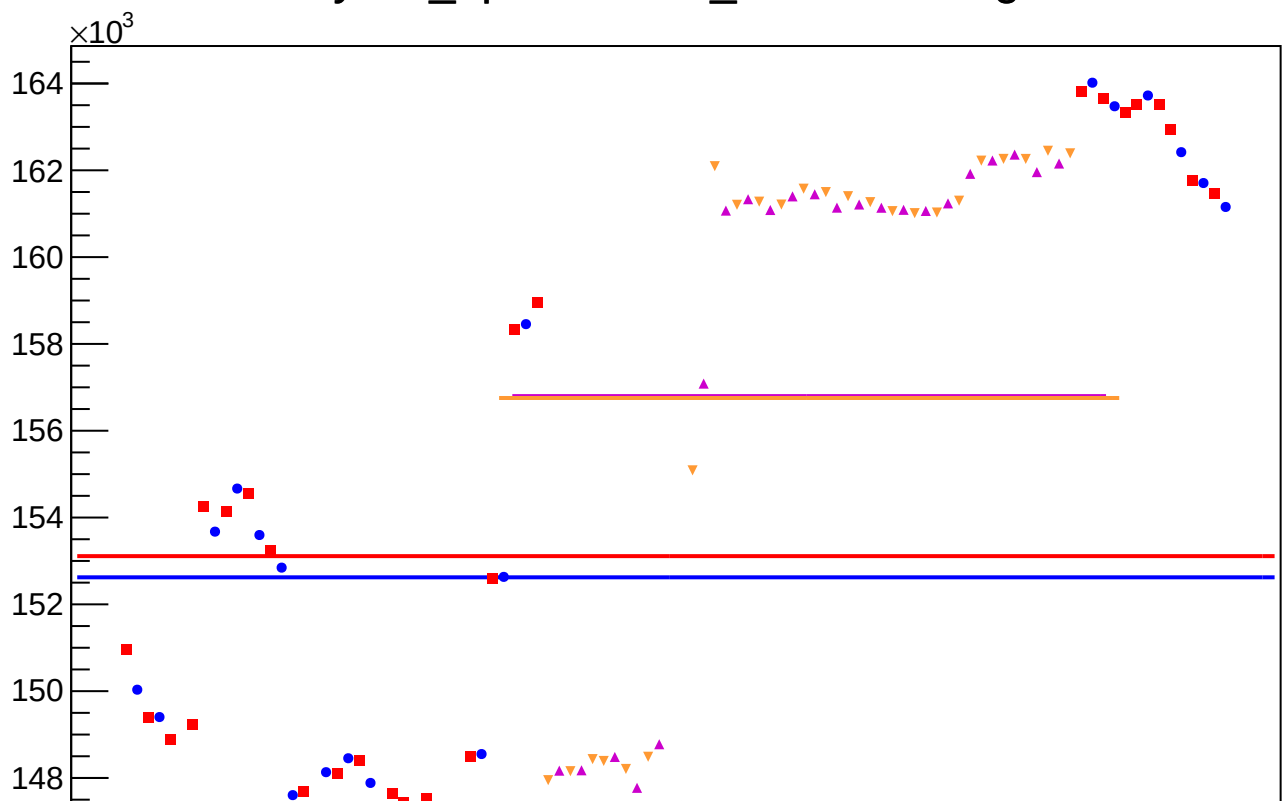
Right Out: 38.011+/-0.012 χ^2/NDF: 13485719.8/26

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 47.996+/-0.010 χ^2/NDF: 37559992.8/46

All: 51.429+/-0.008 χ^2/NDF: 73535990.5/96

- sign 55.832+/-0.011 χ^2/NDF: 35713860.1/49



Right In: 152622.730+/-0.058 χ^2/NDF: 8967481903.7/21

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153110.860+/-0.055 χ^2/NDF: 10217382434.0/26

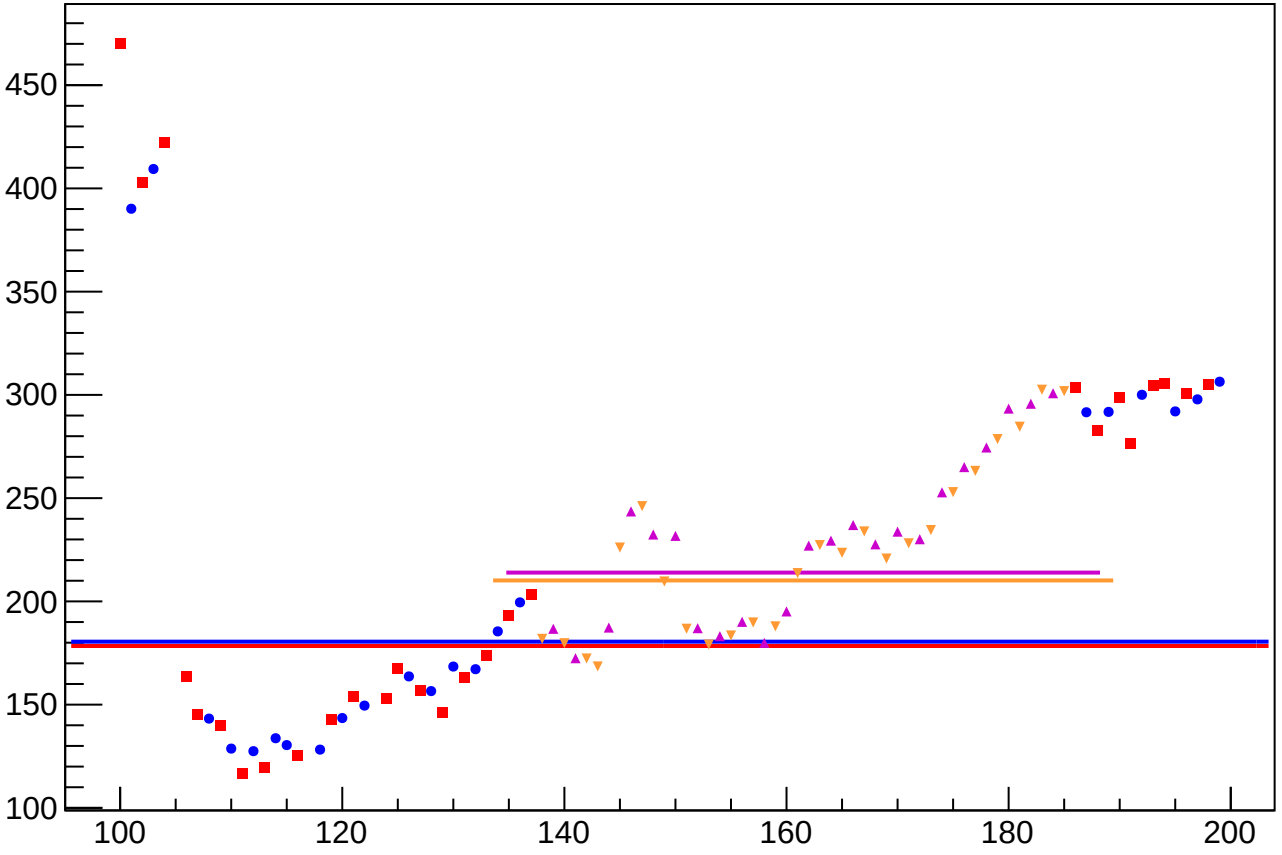
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155035.940+/-0.037 χ^2/NDF: 28349061150.

All: 155057.224+/-0.026 χ^2/NDF: 55353318

- sign 155078.563+/-0.037 χ^2/NDF: 27003601309.

yield_bpm0i01WS_rms vs Slug



Right In: 180.496+/-0.041 χ^2/NDF: 2776240.6/21

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

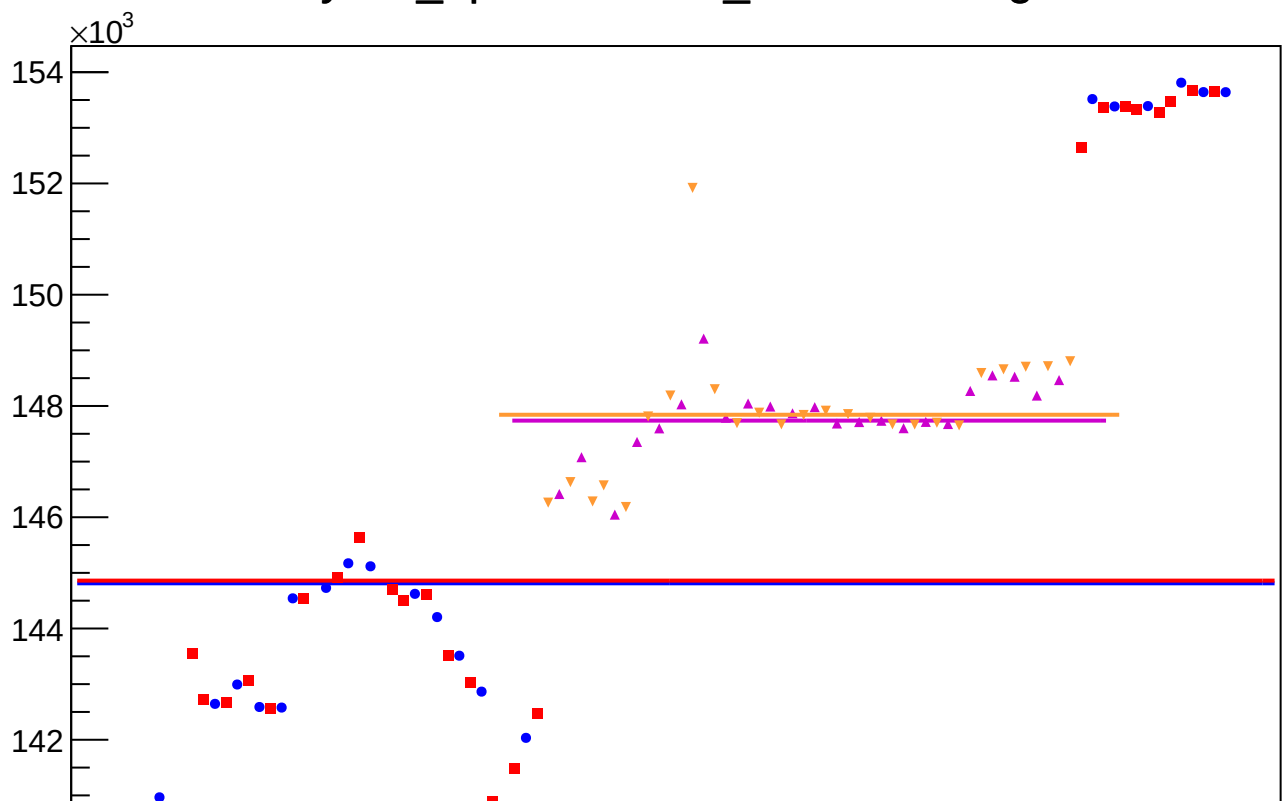
Right Out: 178.400+/-0.039 χ^2/NDF: 3330906.7/26

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 197.812+/-0.026 χ^2/NDF: 4083051.0/46

All: 197.591+/-0.019 χ^2/NDF: 8782490.0/96

- sign 197.369+/-0.026 χ^2/NDF: 4699297.0/49



Right In: 144812.328+/-0.049 χ^2/NDF: 5987362687.3/21

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 144860.809+/-0.046 χ^2/NDF: 7067378861.2/26

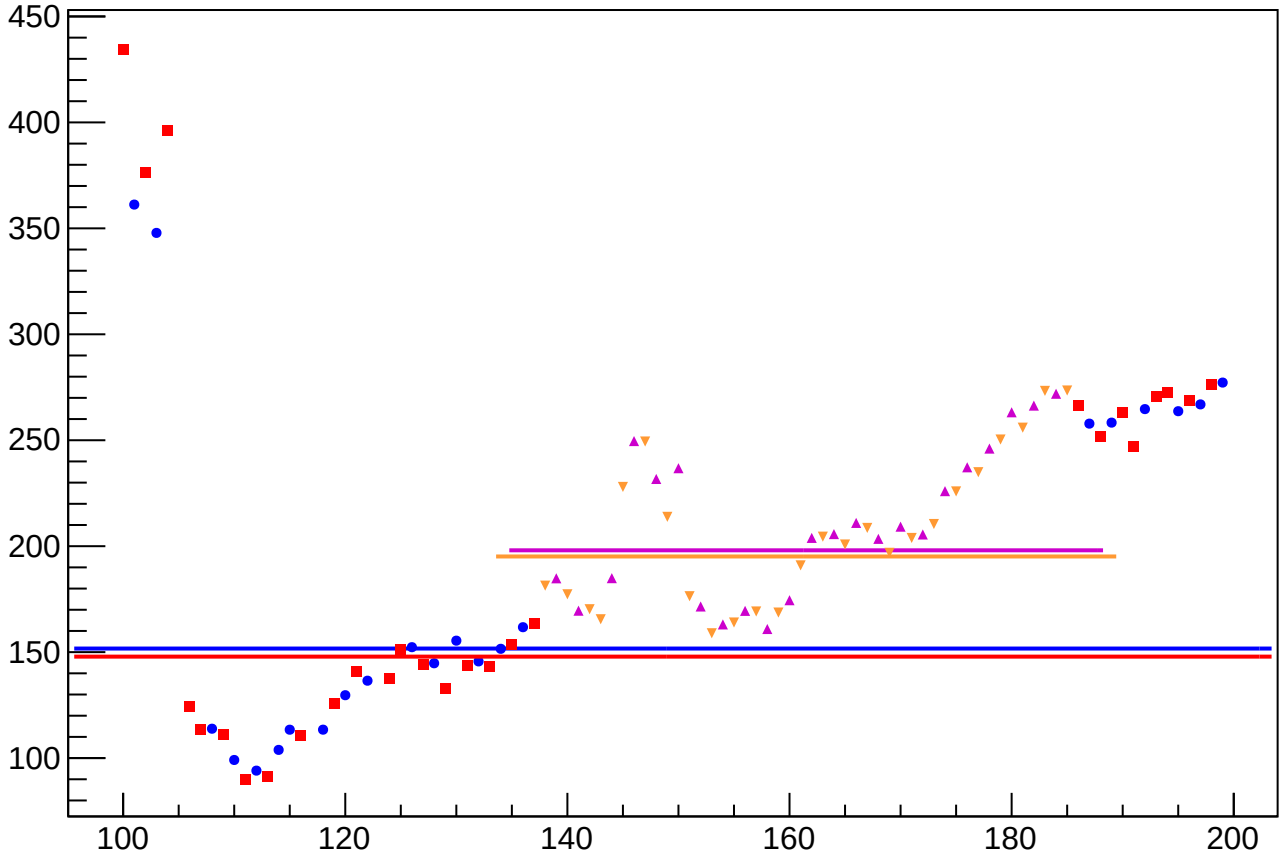
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146454.889+/-0.033 χ^2/NDF: 8764073576.7

All: 146352.219+/-0.023 χ^2/NDF: 17995264

- sign 146252.079+/-0.033 χ^2/NDF: 9212333535.0/

yield_bpm0i01aWS_rms vs Slug



Right In: 151.696+/-0.035 χ^2/NDF: 3234180.1/21

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

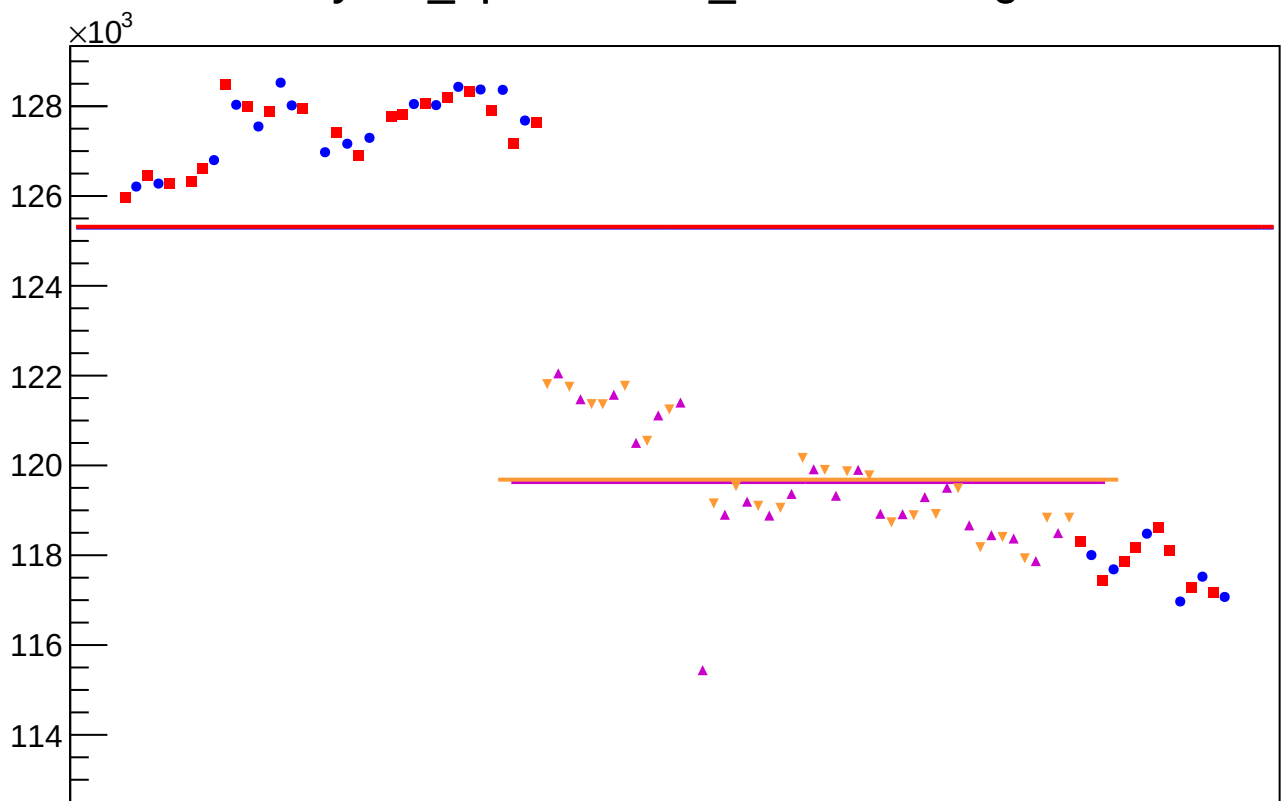
Right Out: 147.883+/-0.032 χ^2/NDF: 4005684.7/26

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 175.251+/-0.023 χ^2/NDF: 4986969.9/46

All: 173.684+/-0.017 χ^2/NDF: 11069303.5/96

- sign 172.155+/-0.023 χ^2/NDF: 6073545.3/49



Right In: 125297.529+/-0.051 χ^2/NDF: 7290851031.8/21

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 125314.702+/-0.048 χ^2/NDF: 8151485918.7/26

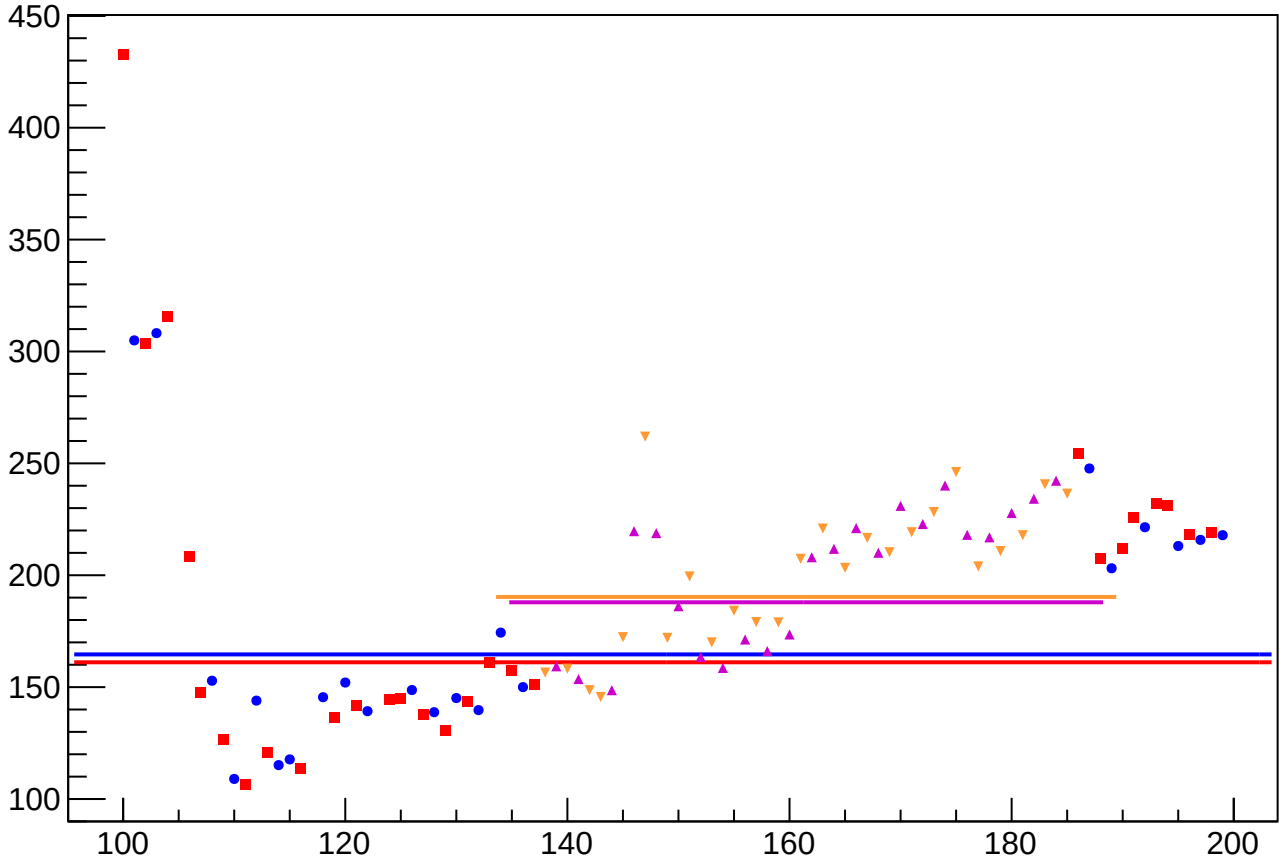
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122094.727+/-0.033 χ^2/NDF: 16185603160.

All: 122199.405+/-0.023 χ^2/NDF: 331748562

- sign 122299.906+/-0.033 χ^2/NDF: 16970038935.6

yield_bpm0l01WS_rms vs Slug



Right In: 164.620+/-0.036 χ^2/NDF: 1473776.5/21

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

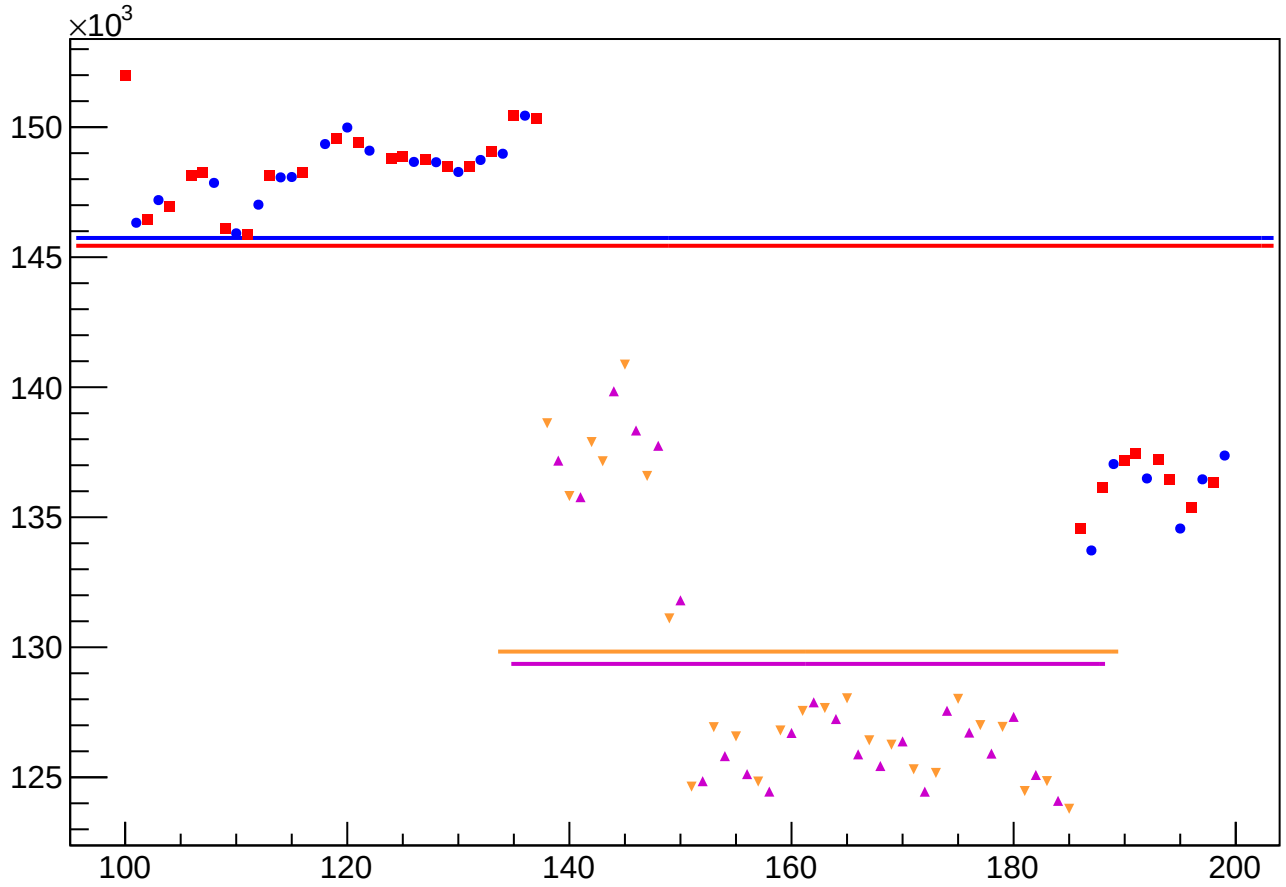
Right Out: 161.103+/-0.034 χ^2/NDF: 2076795.4/26

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 179.269+/-0.024 χ^2/NDF: 2687385.4/46

All: 177.253+/-0.017 χ^2/NDF: 6037999.6/96

- sign 175.318+/-0.023 χ^2/NDF: 3336366.1/49



Right In: 145739.011+/-0.072 χ^2/NDF: 5375497612.5/21

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 145438.865+/-0.067 χ^2/NDF: 6156631622.2/26

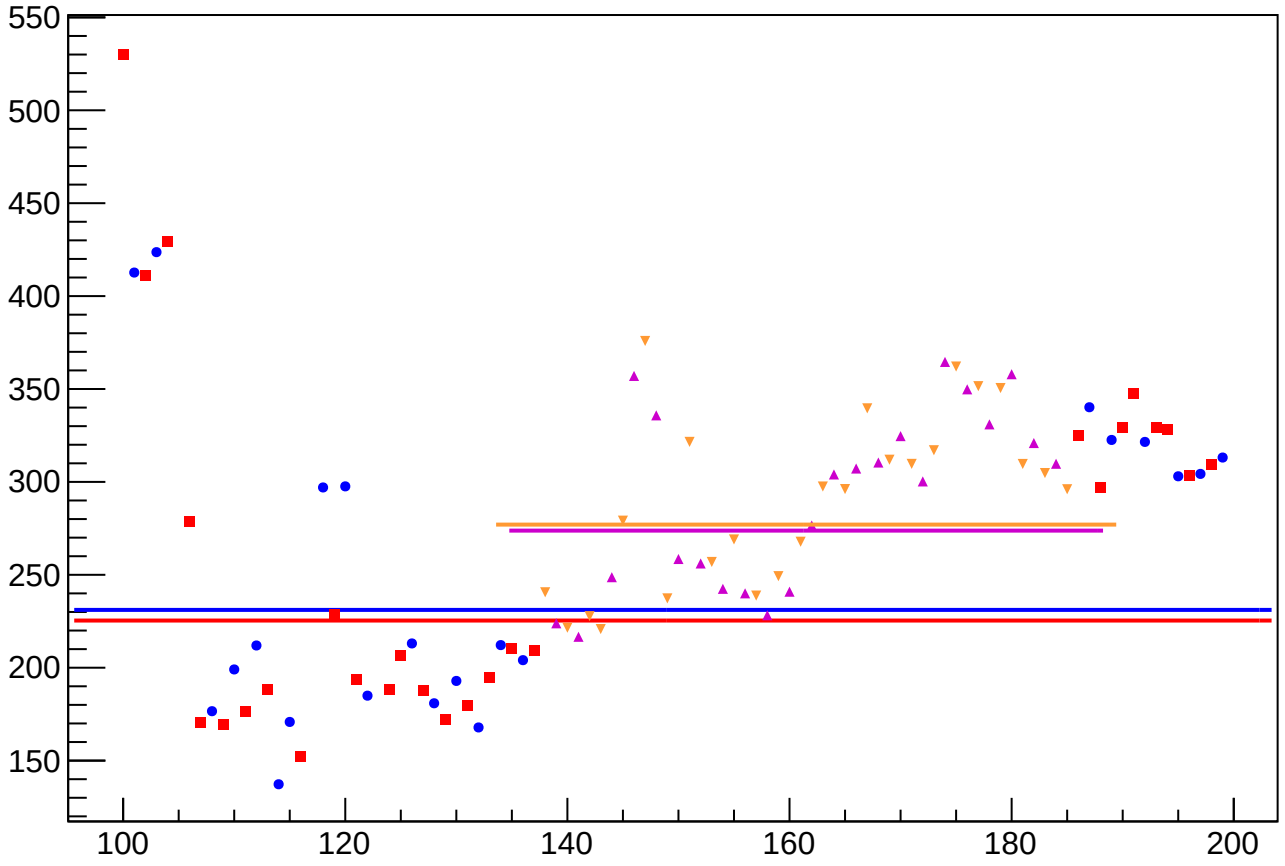
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136871.540+/-0.048 χ^2/NDF: 39324889887.

All: 137042.710+/-0.033 χ^2/NDF: 81665678

- sign 137205.625+/-0.047 χ^2/NDF: 42315902776.5

yield_bpm0l02WS_rms vs Slug



Right In: 231.114+/-0.051 χ^2/NDF: 1736348.5/21

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

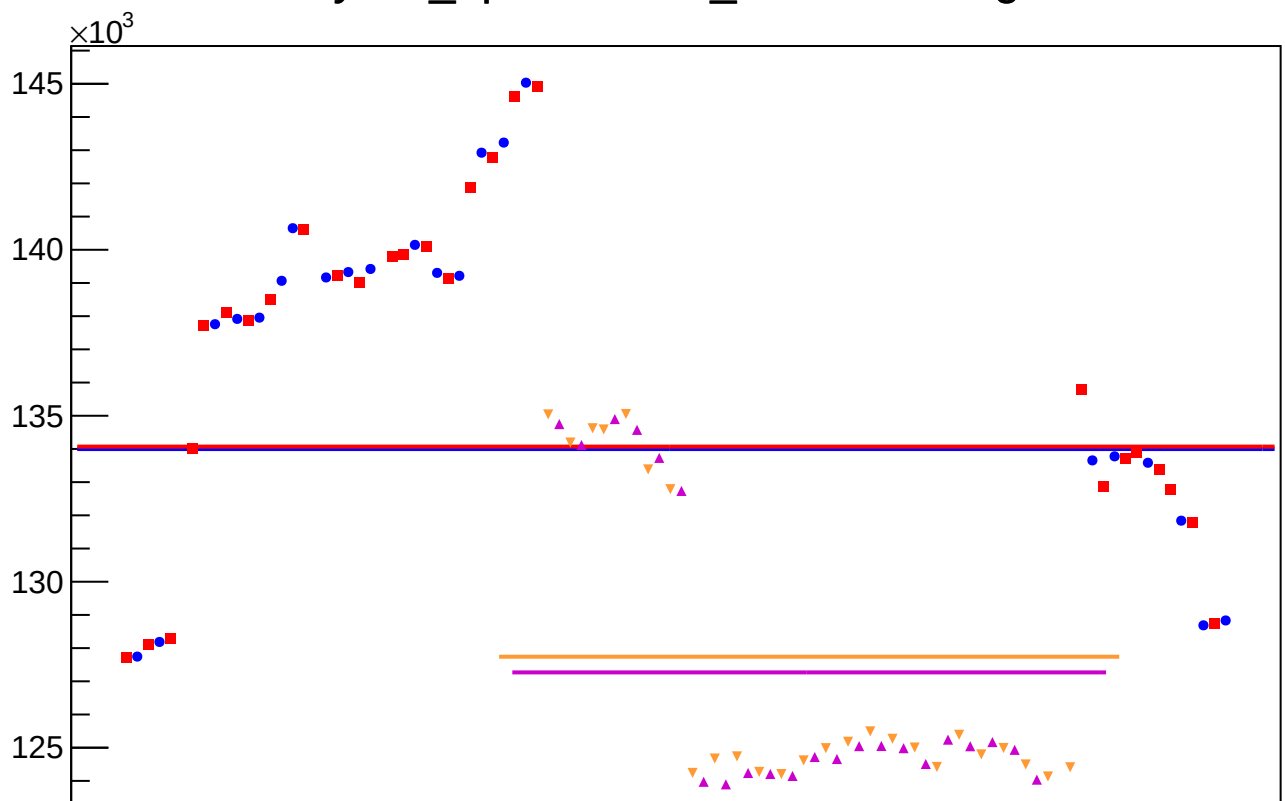
Right Out: 225.387+/-0.047 χ^2/NDF: 2042492.2/26

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 256.709+/-0.034 χ^2/NDF: 3135437.6/46

All: 253.359+/-0.024 χ^2/NDF: 6736093.0/96

- sign 250.170+/-0.033 χ^2/NDF: 3581586.6/49



Right In: 133996.832+/-0.124 χ^2/NDF: 2159851965.1/21

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 134070.333+/-0.120 χ^2/NDF: 1450731318.8/26

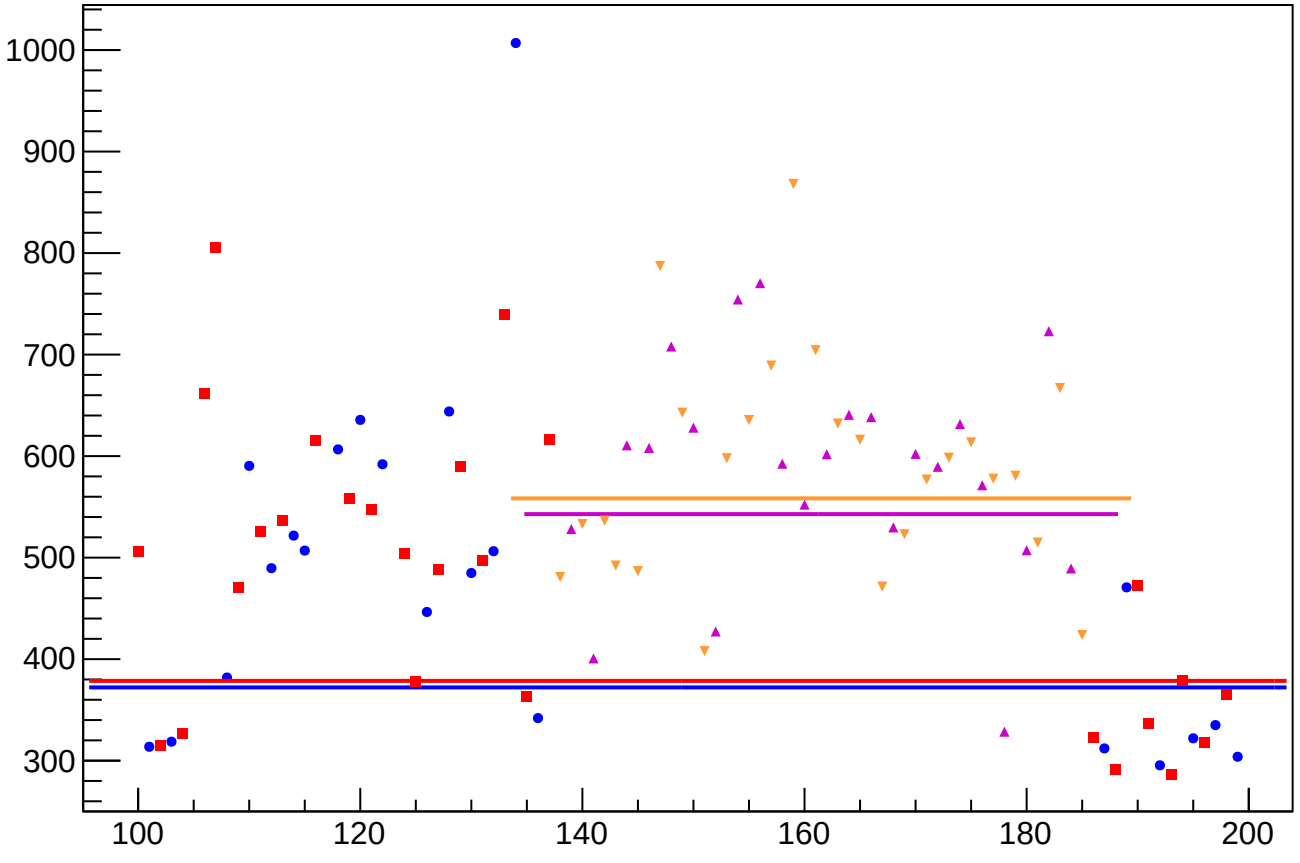
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131158.825+/-0.091 χ^2/NDF: 4415549125.1/

All: 131150.877+/-0.064 χ^2/NDF: 82095525

- sign 131142.996+/-0.091 χ^2/NDF: 3793988338.1/

yield_bpm0l03WS_rms vs Slug



Right In: 372.152+/-0.087 χ^2/NDF: 1419046.6/21

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

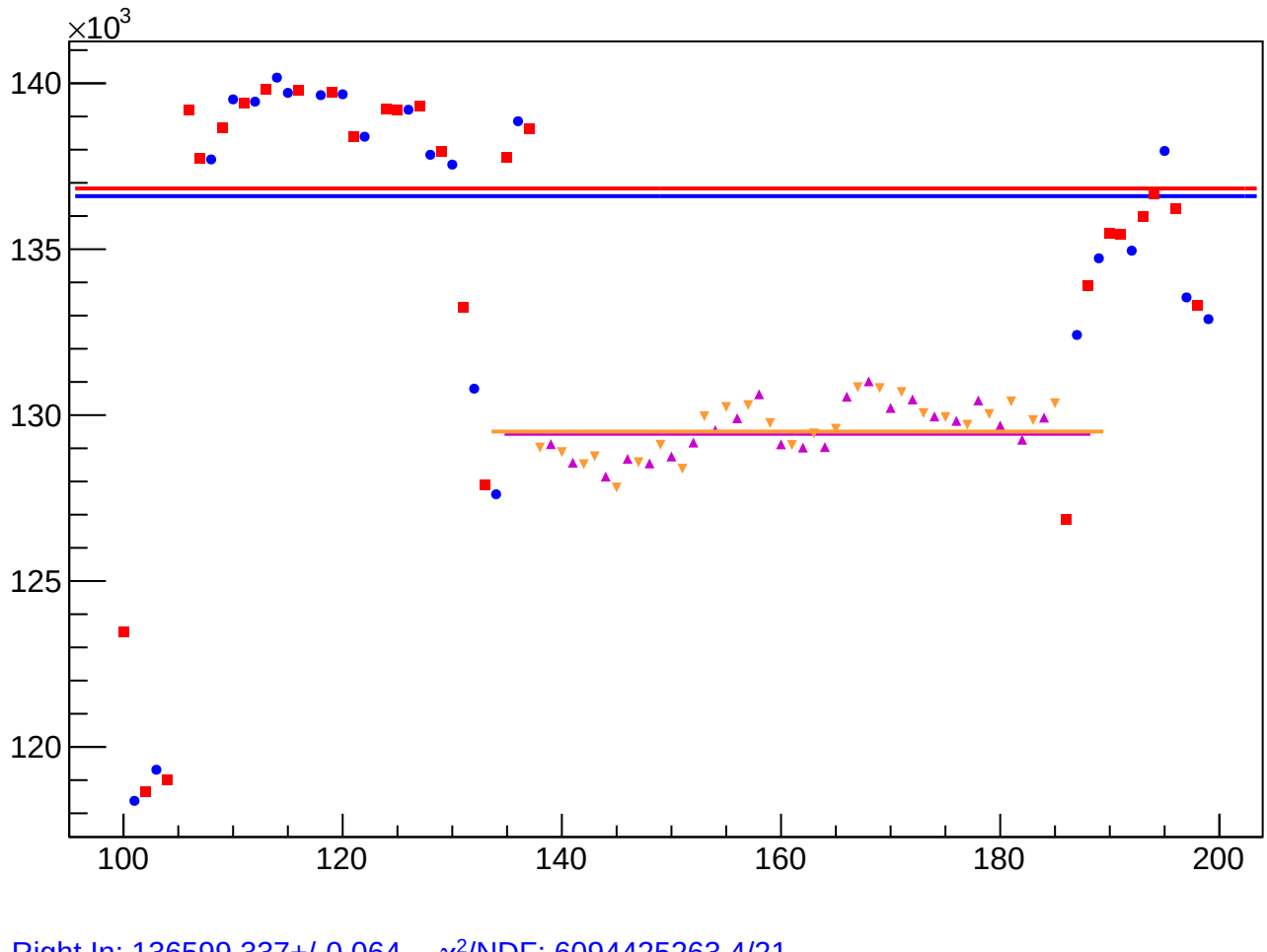
Right Out: 378.600+/-0.085 χ^2/NDF: 1504494.9/26

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 456.635+/-0.065 χ^2/NDF: 4448815.8/46

All: 452.951+/-0.046 χ^2/NDF: 8976845.0/96

- sign 449.299+/-0.064 χ^2/NDF: 4521547.7/49



Right In: 136599.337+/-0.064 χ^2/NDF: 6094425263.4/21

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136829.646+/-0.059 χ^2/NDF: 6379236517.2/26

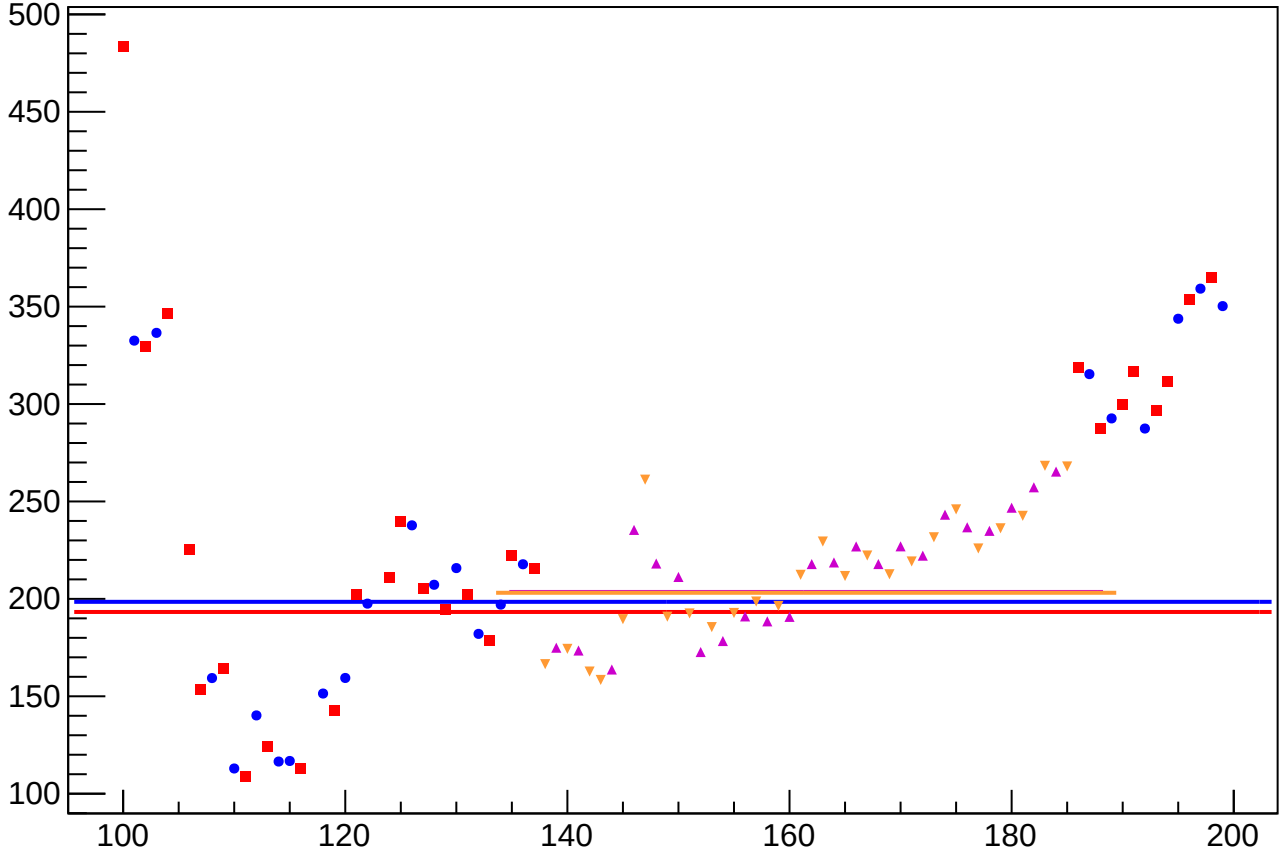
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132005.104+/-0.038 χ^2/NDF: 14424312430.

All: 132201.927+/-0.027 χ^2/NDF: 30448466

- sign 132395.532+/-0.038 χ^2/NDF: 15970429945.

yield_bpm0l04WS_rms vs Slug



Right In: 198.481+/-0.045 χ^2/NDF: 2758362.2/21

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

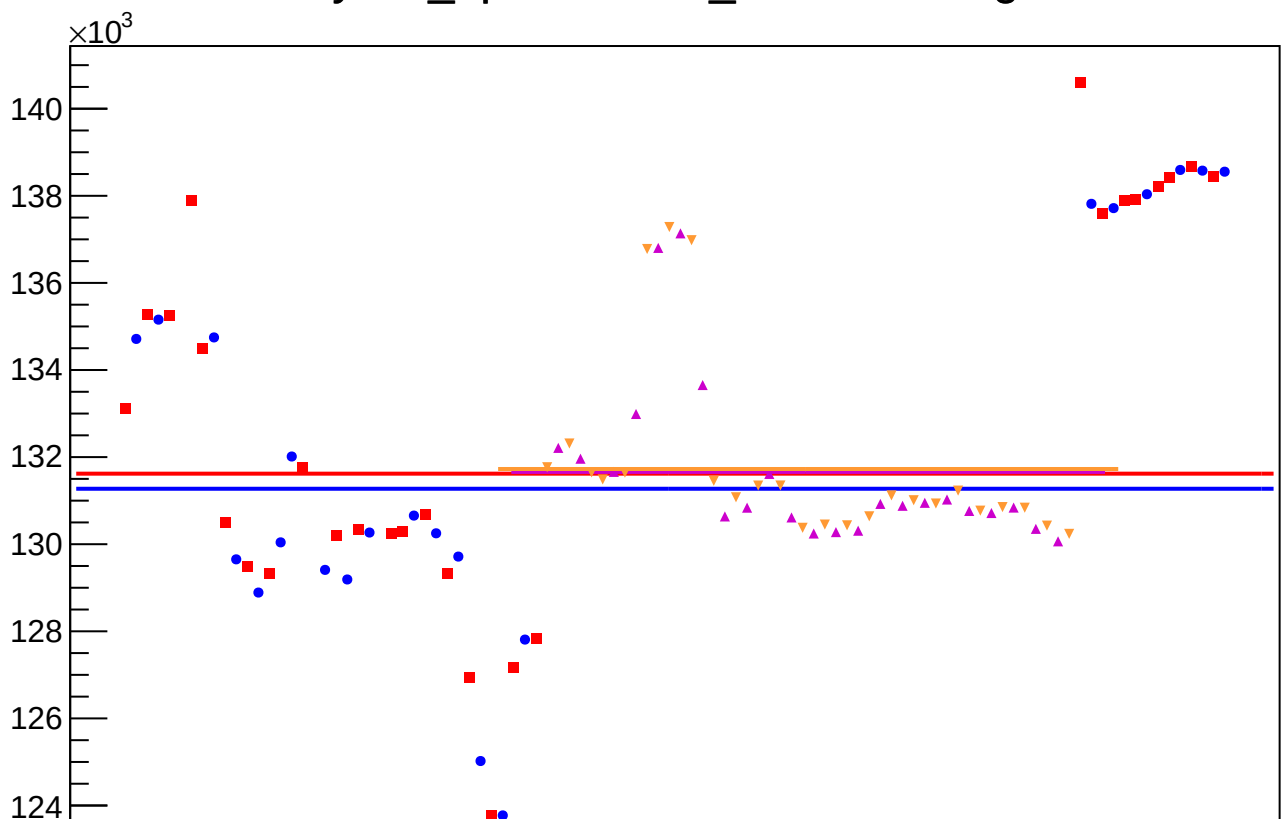
Right Out: 193.277+/-0.042 χ^2/NDF: 3421195.3/26

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 201.491+/-0.027 χ^2/NDF: 3523704.1/46

All: 200.456+/-0.019 χ^2/NDF: 7649899.4/96

- sign 199.437+/-0.027 χ^2/NDF: 4123221.9/49



Right In: 131273.257+/-0.059 χ^2/NDF: 5702257623.1/21

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 131619.811+/-0.054 χ^2/NDF: 6175348061.9/26

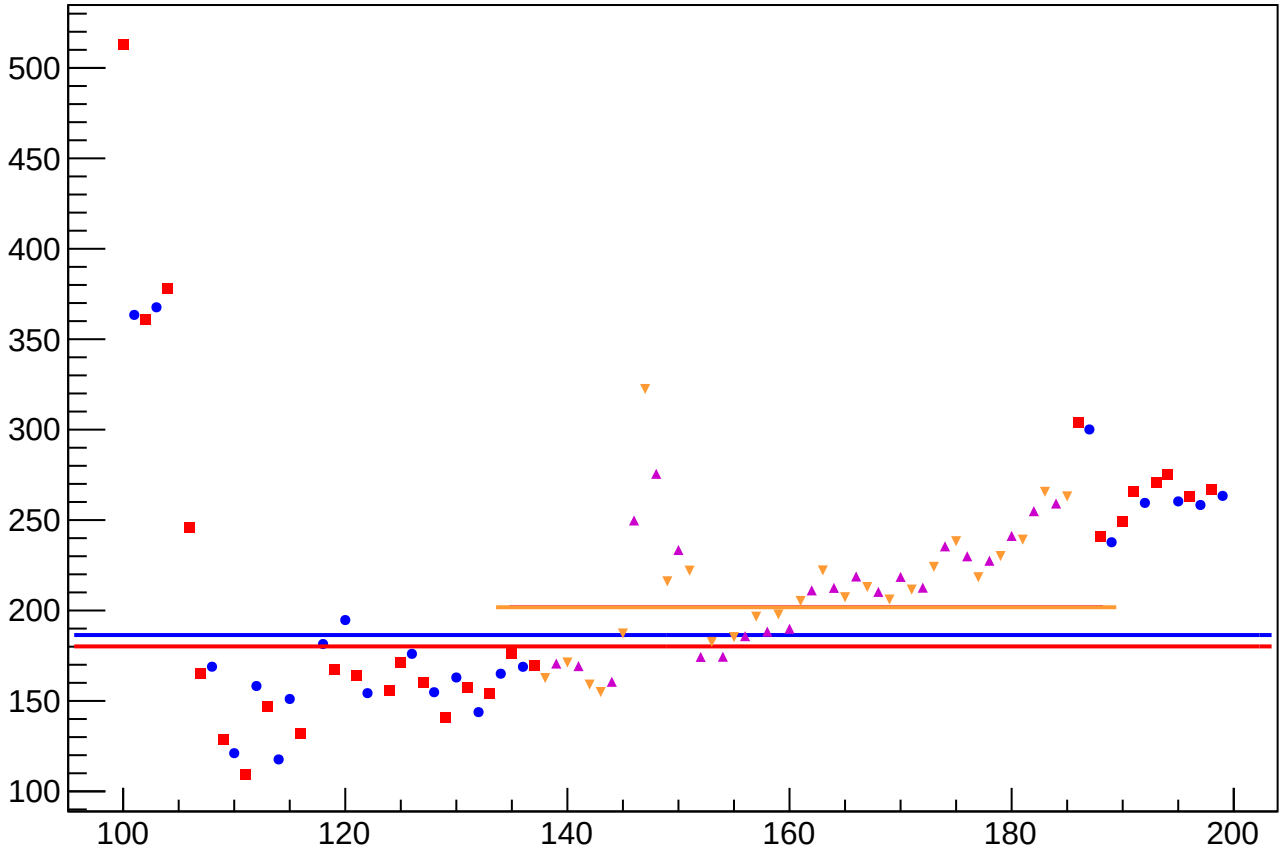
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131549.817+/-0.037 χ^2/NDF: 7163963436.0

All: 131596.880+/-0.026 χ^2/NDF: 14507270

- sign 131642.561+/-0.036 χ^2/NDF: 7340042632.4/

yield_bpm0l05WS_rms vs Slug



Right In: 186.432+/-0.041 χ^2/NDF: 1798791.7/21

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 195.796+/-0.026 χ^2/NDF: 2788200.1/46

All: 194.041+/-0.018 χ^2/NDF: 6337574.3/96

- sign 192.338+/-0.025 χ^2/NDF: 3540302.4/49

Right In: 5264.206+/-0.009 χ^2/NDF: 4922945076633.5/21

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 6972.057+/-0.010 χ^2/NDF: 5752295963889.9/26

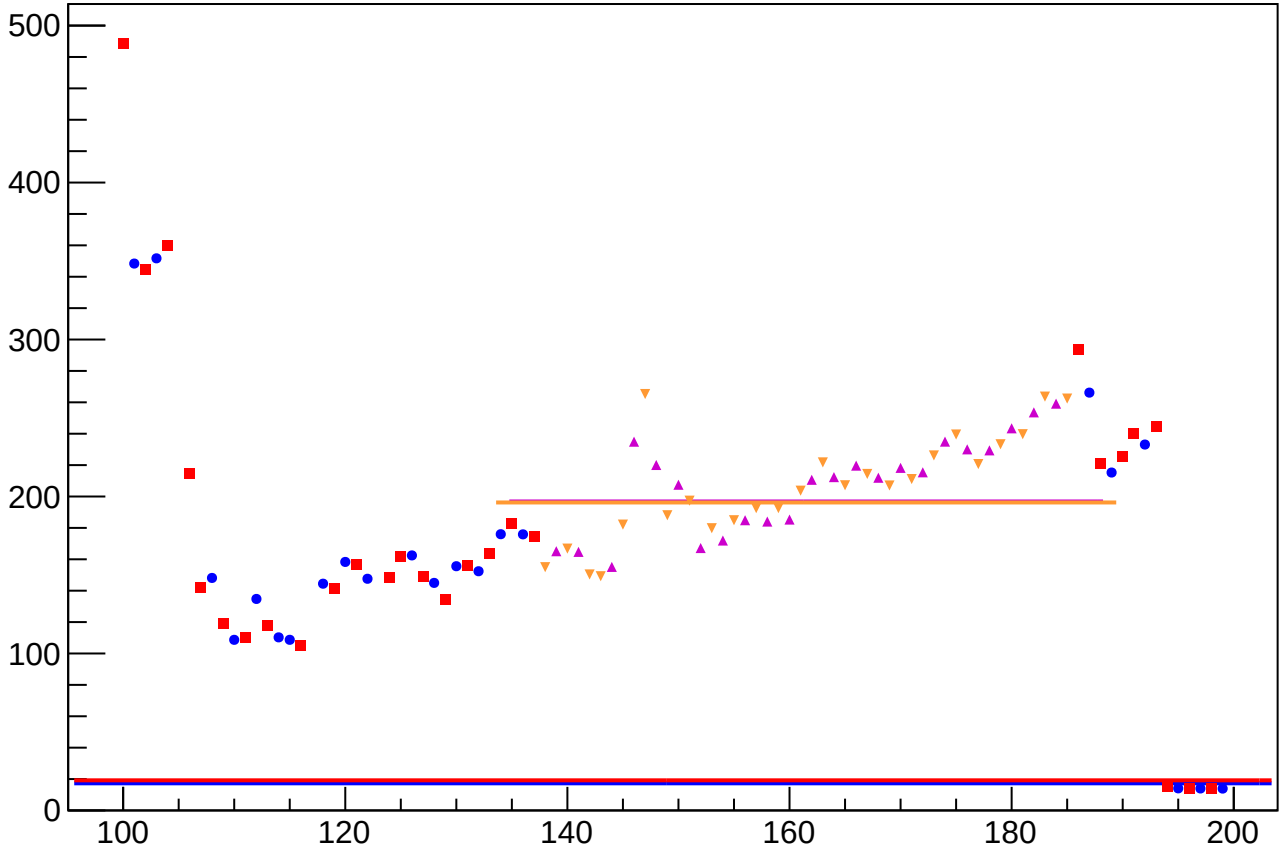
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 9511.949+/-0.008 χ^2/NDF: 1207375884852

All: 10630.417+/-0.006 χ^2/NDF: 243307829

- sign 12084.117+/-0.010 χ^2/NDF: 1221651239786

yield_bpm0l06WS_rms vs Slug



Right In: 17.290+/-0.006 χ^2/NDF: 14248995.1/21

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

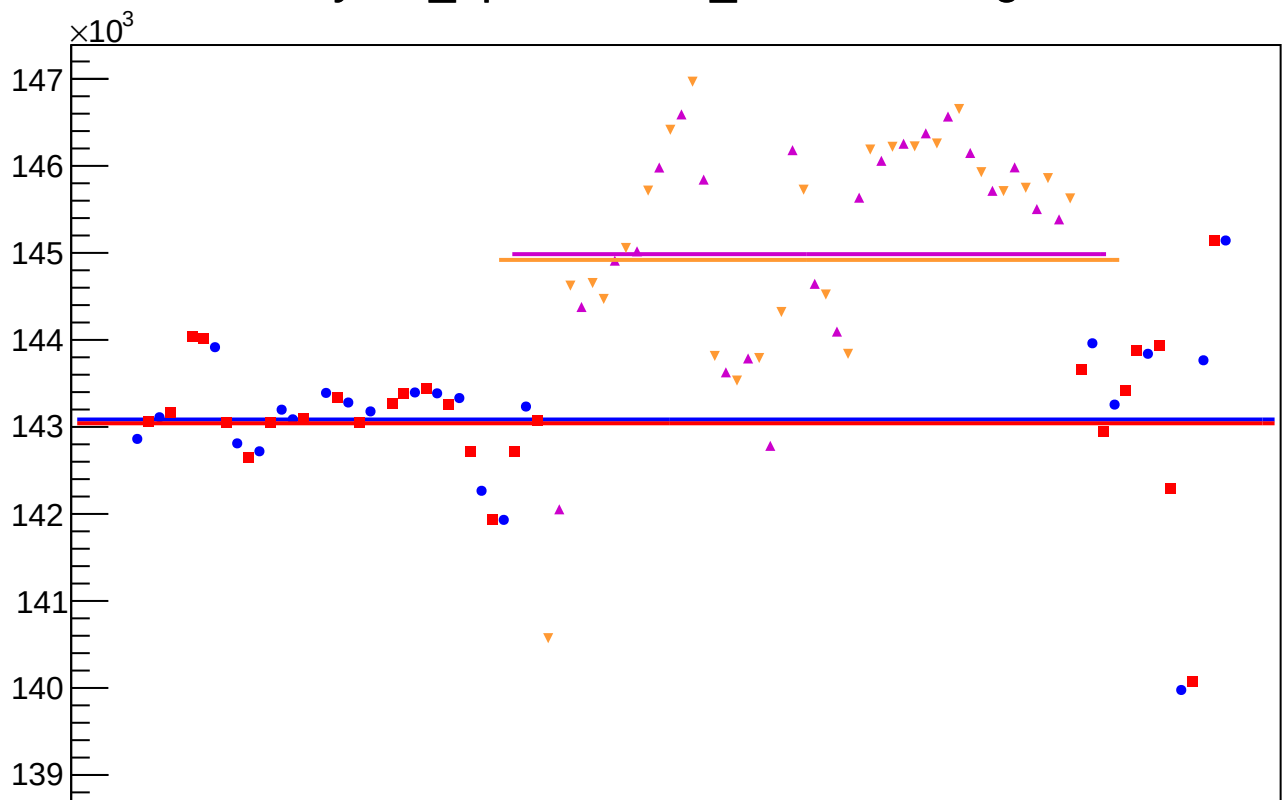
Right Out: 19.195+/-0.007 χ^2/NDF: 16129172.4/26

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

\+ sign 23.429+/-0.006 χ^2/NDF: 45045727.3/46

All: 24.830+/-0.004 χ^2/NDF: 89568377.0/96

\- sign 26.650+/-0.007 χ^2/NDF: 44395591.2/49



Right In: 143085.201+/-0.060 χ^2/NDF: 172288936.2/21

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143041.702+/-0.055 χ^2/NDF: 157685762.0/26

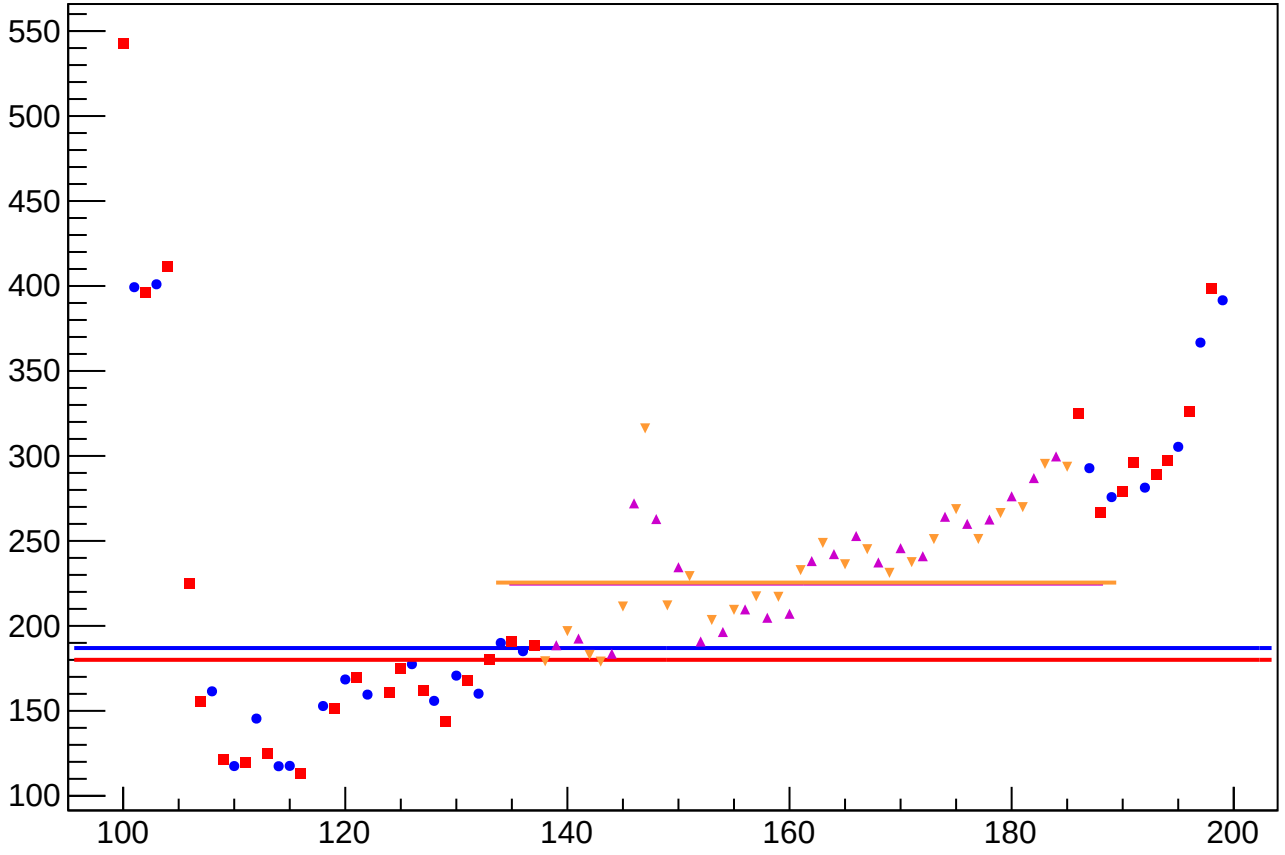
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144127.420+/-0.039 χ^2/NDF: 1540334605.1

All: 144084.030+/-0.028 χ^2/NDF: 29577771

- sign 144042.658+/-0.038 χ^2/NDF: 1415069833.7/

yield_bpm0l07WS_rms vs Slug



Right In: 186.966+/-0.042 χ^2/NDF: 2892166.9/21

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 208.848+/-0.028 χ^2/NDF: 4137079.7/46

All: 205.916+/-0.019 χ^2/NDF: 9135723.6/96

- sign 203.120+/-0.027 χ^2/NDF: 4976967.6/49

Right In: -364.584+/-0.005 χ^2/NDF: 5352302076832.2/21

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 127.790+/-0.005 χ^2/NDF: 6416917696261.3/26

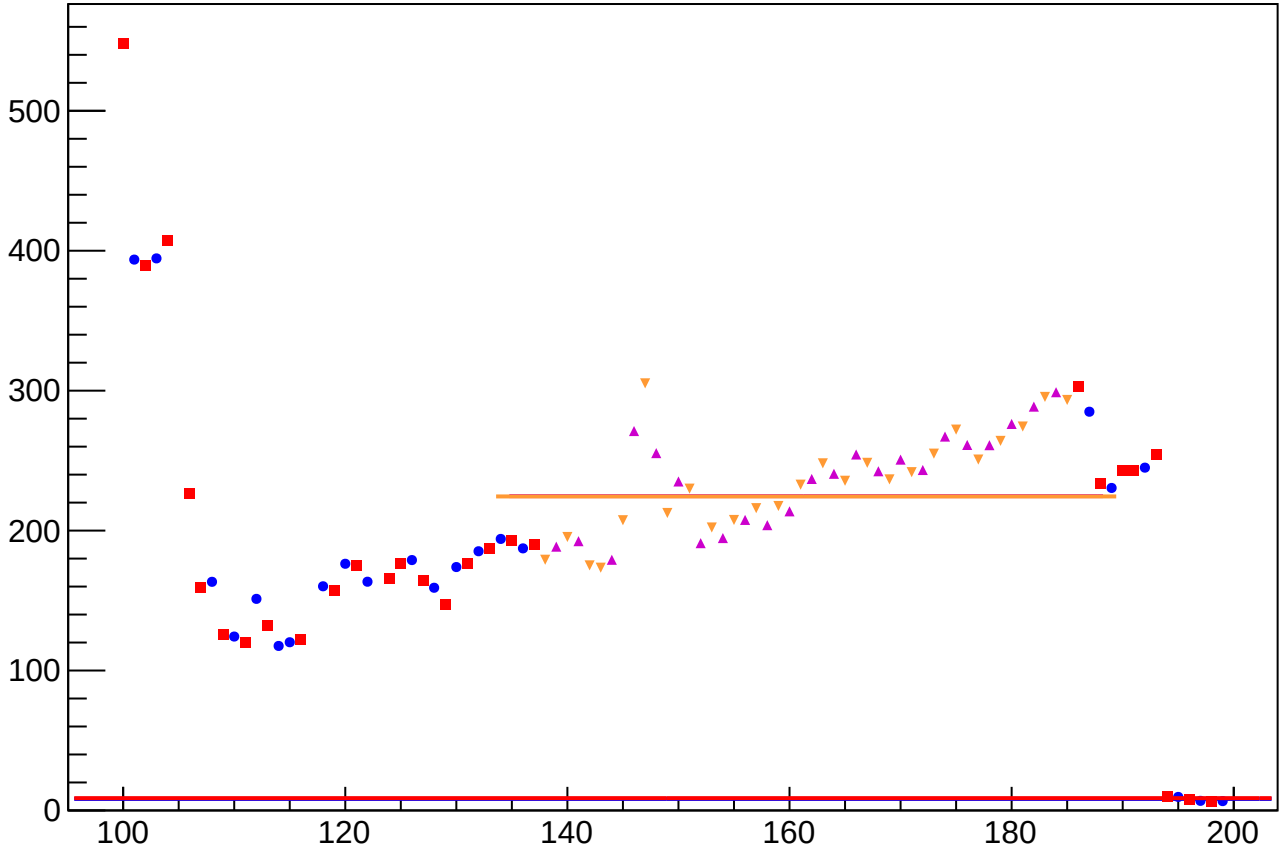
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 775.832+/-0.005 χ^2/NDF: 13215599241348.

All: 1104.363+/-0.003 χ^2/NDF: 2699633031

- sign 1536.028+/-0.005 χ^2/NDF: 13768878071610

yield_bpm0l08WS_rms vs Slug



Right In: 8.248+/-0.003 χ^2/NDF: 15961859.7/21

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

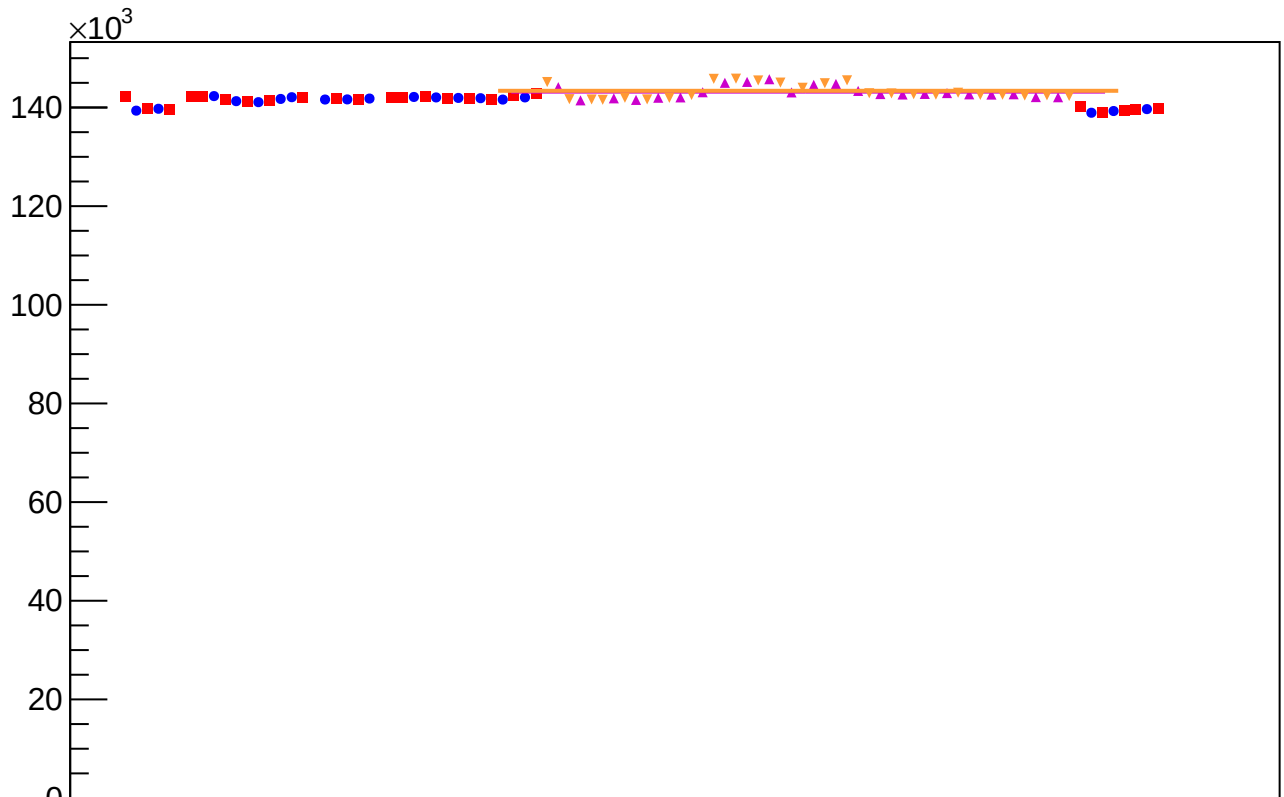
Right Out: 8.792+/-0.004 χ^2/NDF: 18190073.6/26

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 9.931+/-0.003 χ^2/NDF: 51089191.4/46

All: 10.339+/-0.002 χ^2/NDF: 102243832.4/96

- sign 10.875+/-0.004 χ^2/NDF: 51118139.7/49



Right In: -1739.955+/-0.005 χ^2/NDF: 4936663484284.7/21

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -1129.325+/-0.006 χ^2/NDF: 5777728343215.5/26

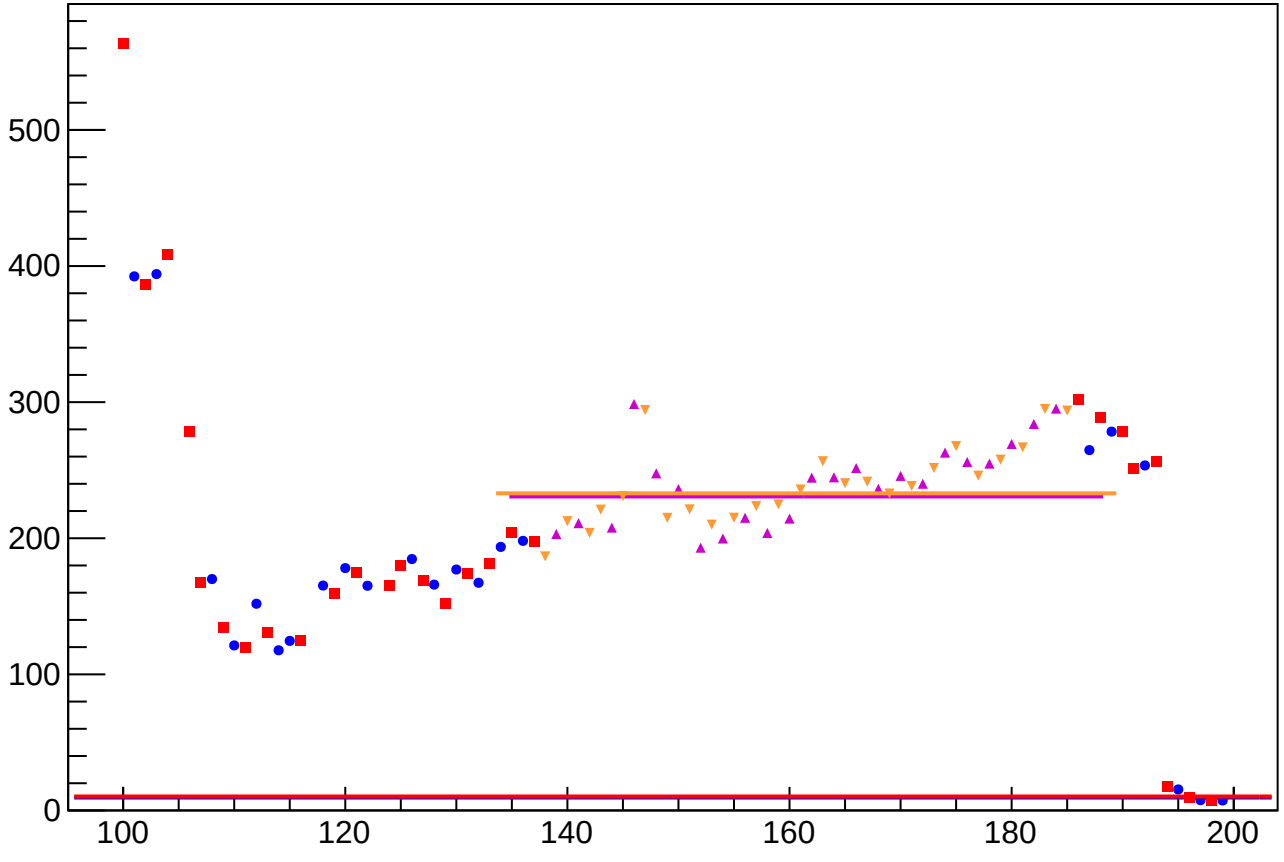
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -290.508+/-0.005 χ^2/NDF: 12172584753121

All: 135.872+/-0.004 χ^2/NDF: 24808882917

- sign 700.333+/-0.006 χ^2/NDF: 12621620490045.4

yield_bpm0l09WS_rms vs Slug



Right In: 9.511+/-0.004 χ^2/NDF: 16055457.3/21

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

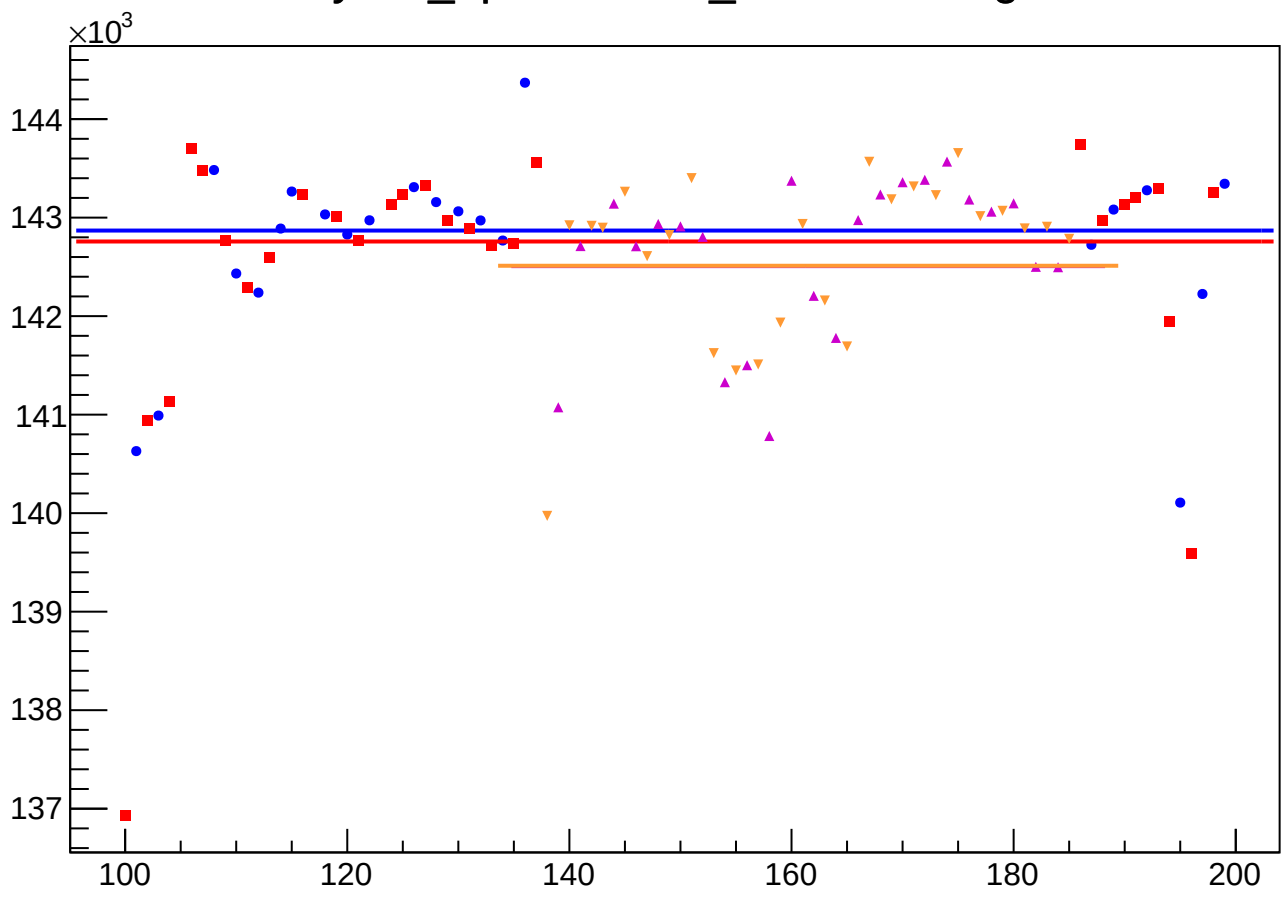
Right Out: 10.255+/-0.004 χ^2/NDF: 18136568.3/26

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 11.743+/-0.004 χ^2/NDF: 50819505.6/46

All: 12.305+/-0.003 χ^2/NDF: 101436760.3/96

- sign 13.049+/-0.004 χ^2/NDF: 50566246.5/49



Right In: 142868.720+/-0.063 χ^2/NDF: 199556424.4/21

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142757.677+/-0.057 χ^2/NDF: 160252702.9/26

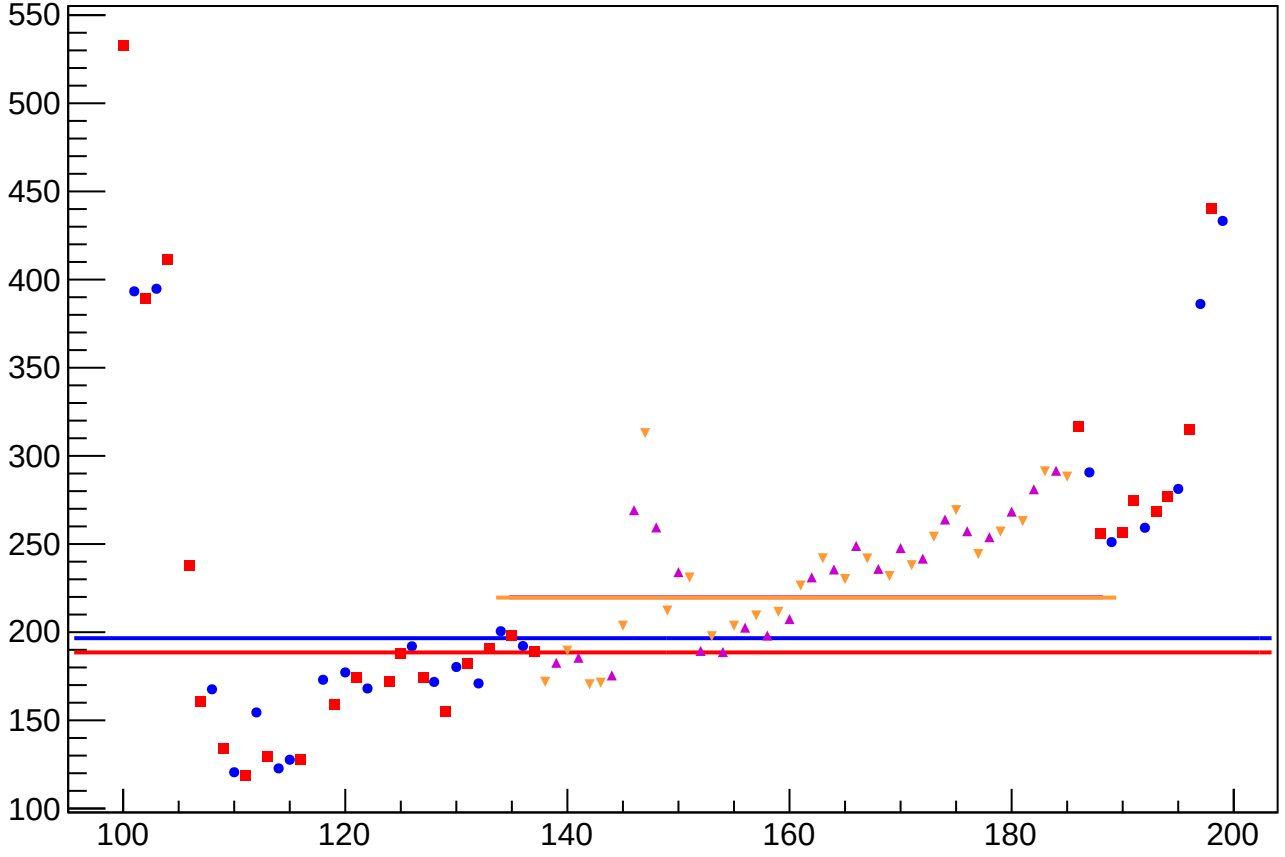
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142653.657+/-0.039 χ^2/NDF: 557267280.6/4

All: 142637.299+/-0.028 χ^2/NDF: 99751812

- sign 142621.629+/-0.039 χ^2/NDF: 439914817.6/4

yield_bpm0l10WS_rms vs Slug



Right In: 196.598+/-0.044 χ^2/NDF: 2532382.1/21

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

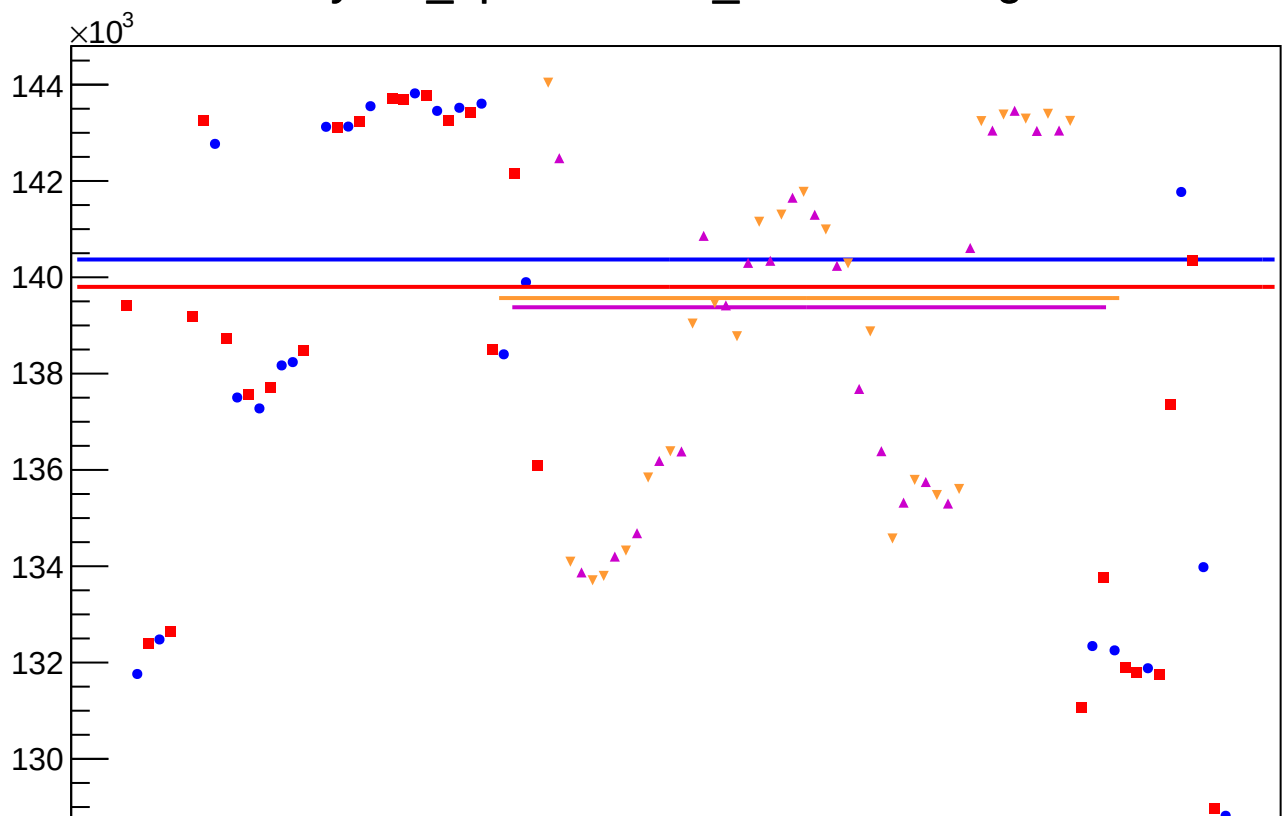
Right Out: 188.513+/-0.040 χ^2/NDF: 3079892.7/26

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 210.452+/-0.028 χ^2/NDF: 3597281.8/46

All: 207.943+/-0.020 χ^2/NDF: 7823924.6/96

- sign 205.539+/-0.027 χ^2/NDF: 4210824.9/49



Right In: 140369.428+/-0.089 χ^2/NDF: 2267598648.8/21

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139800.934+/-0.088 χ^2/NDF: 2359799650.6/26

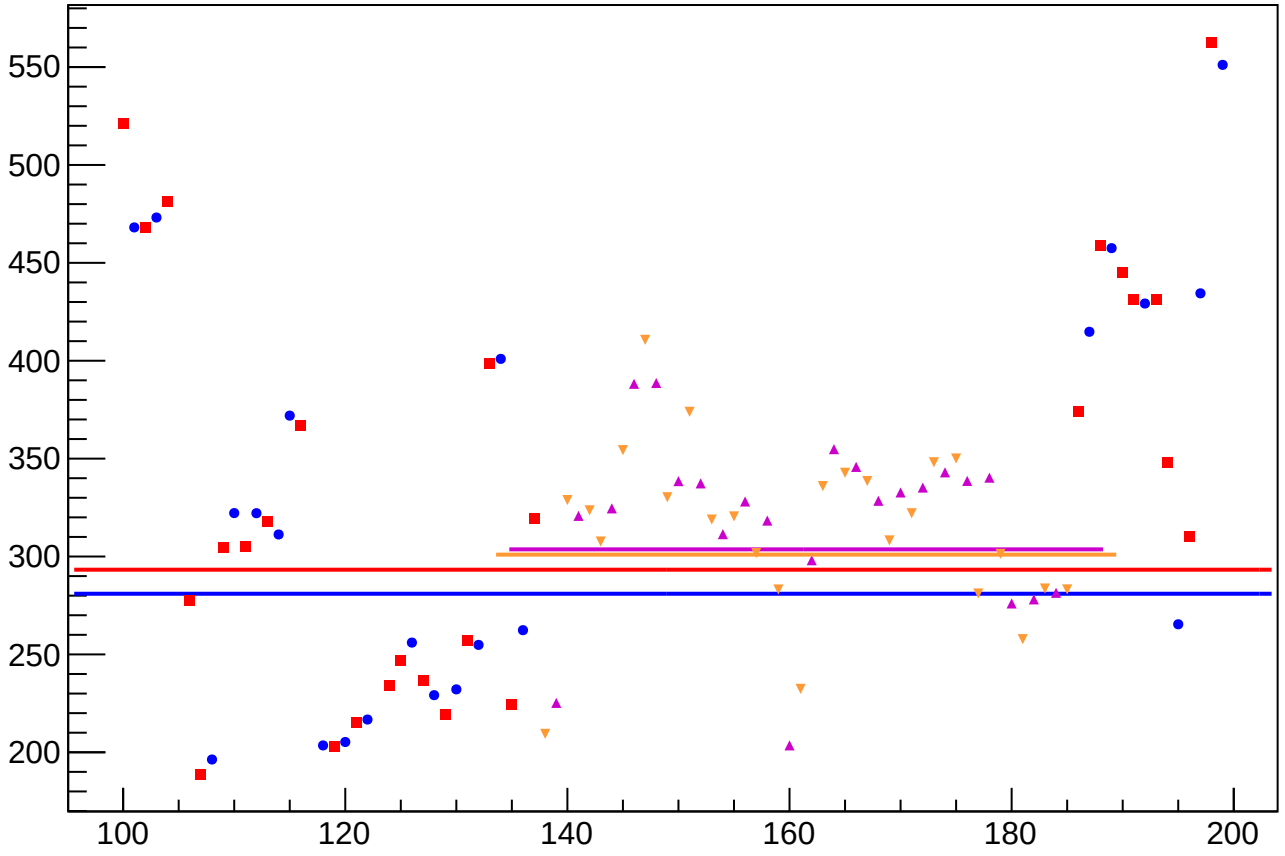
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139874.854+/-0.055 χ^2/NDF: 4904219114.5

All: 139715.814+/-0.039 χ^2/NDF: 9216240

- sign 139550.534+/-0.056 χ^2/NDF: 4294992523.7/

yield_bpm0r03WS_rms vs Slug



Right In: 280.985+/-0.063 χ^2/NDF: 2126393.0/21

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

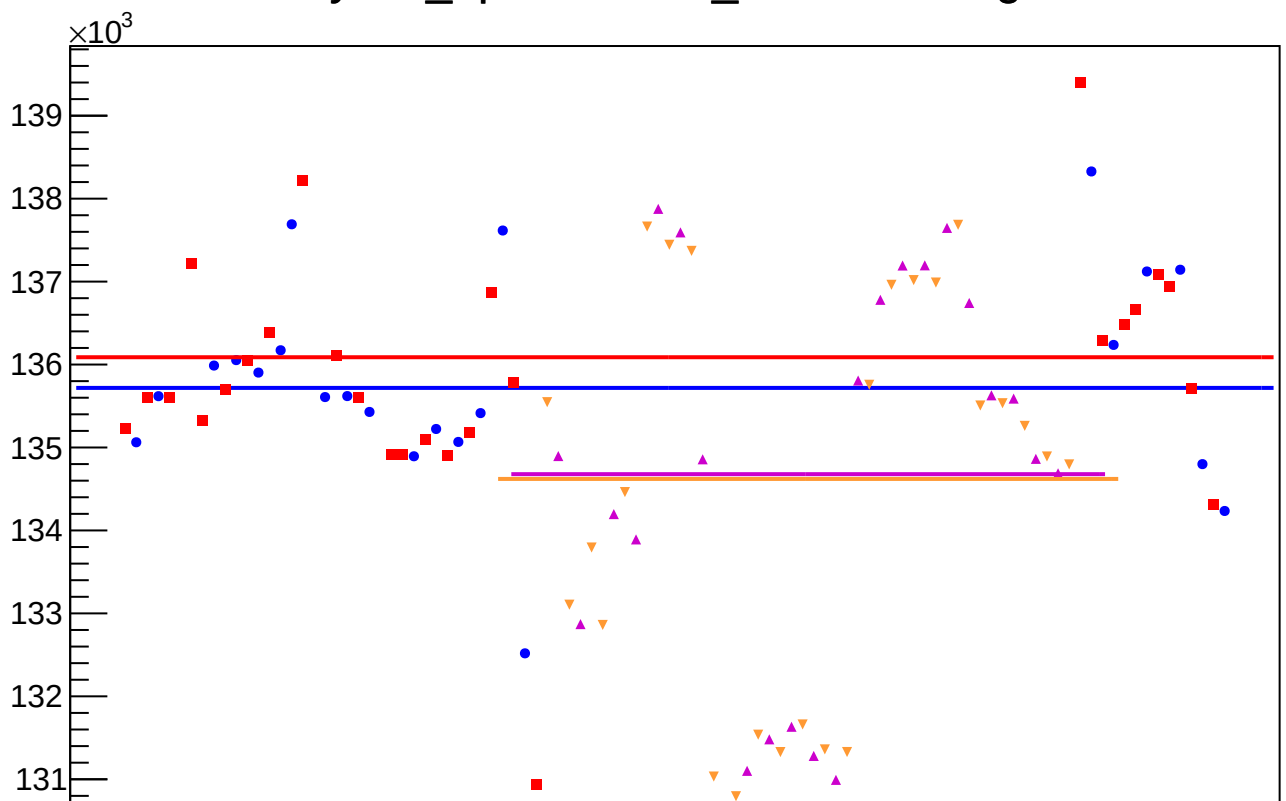
Right Out: 293.269+/-0.062 χ^2/NDF: 2209816.9/26

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 293.326+/-0.039 χ^2/NDF: 3065524.5/46

All: 296.311+/-0.028 χ^2/NDF: 6280166.7/96

- sign 299.414+/-0.040 χ^2/NDF: 3202640.1/49



Right In: 135718.433+/-0.089 χ^2/NDF: 191631754.5/21

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136088.082+/-0.081 χ^2/NDF: 194014485.8/26

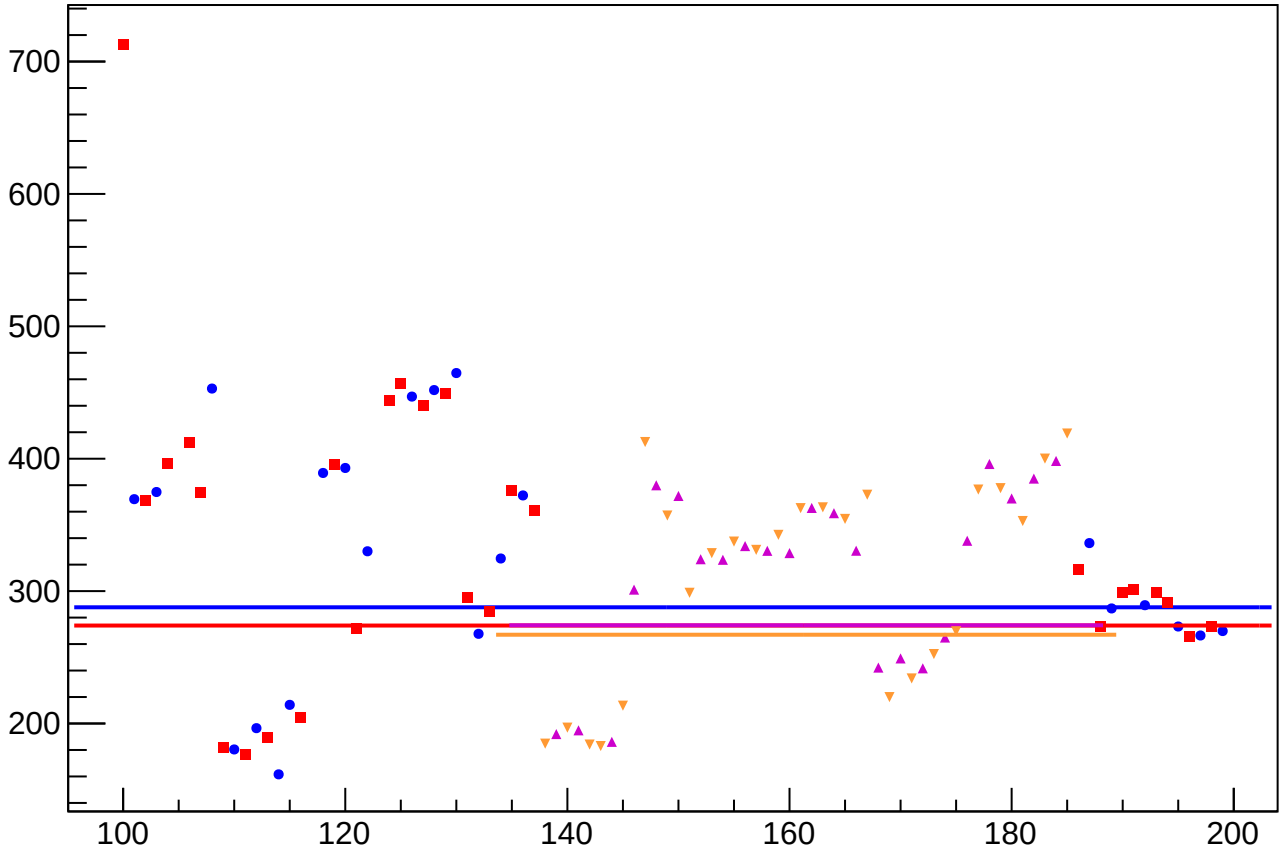
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134993.720+/-0.052 χ^2/NDF: 1493820887.7

All: 135123.711+/-0.037 χ^2/NDF: 29773966

- sign 135252.294+/-0.052 χ^2/NDF: 1471045597.3/

yield_bpm0r05WS_rms vs Slug



Right In: 287.776+/-0.063 χ^2/NDF: 1482088.3/21

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

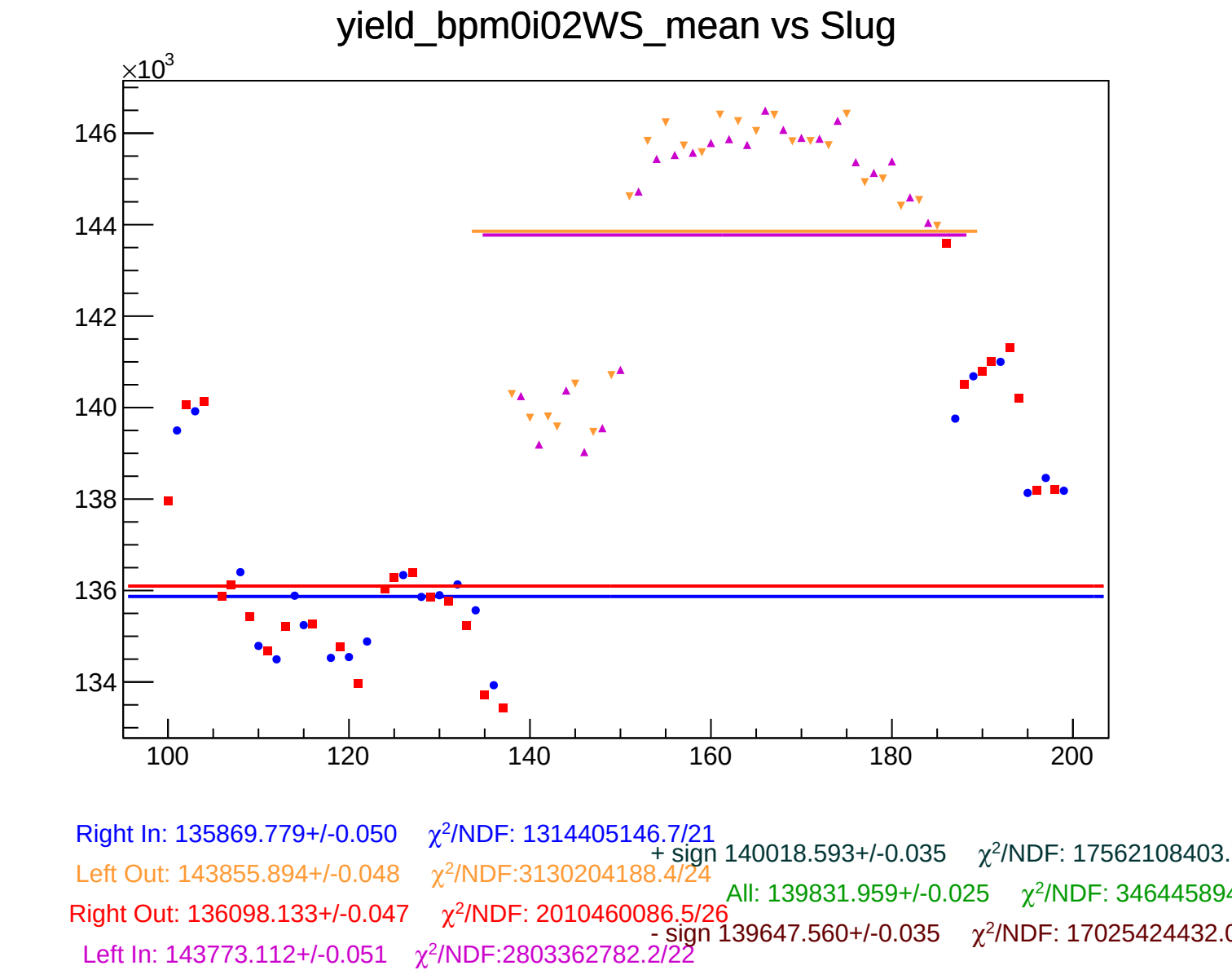
Right Out: 273.992+/-0.057 χ^2/NDF: 1728720.9/26

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

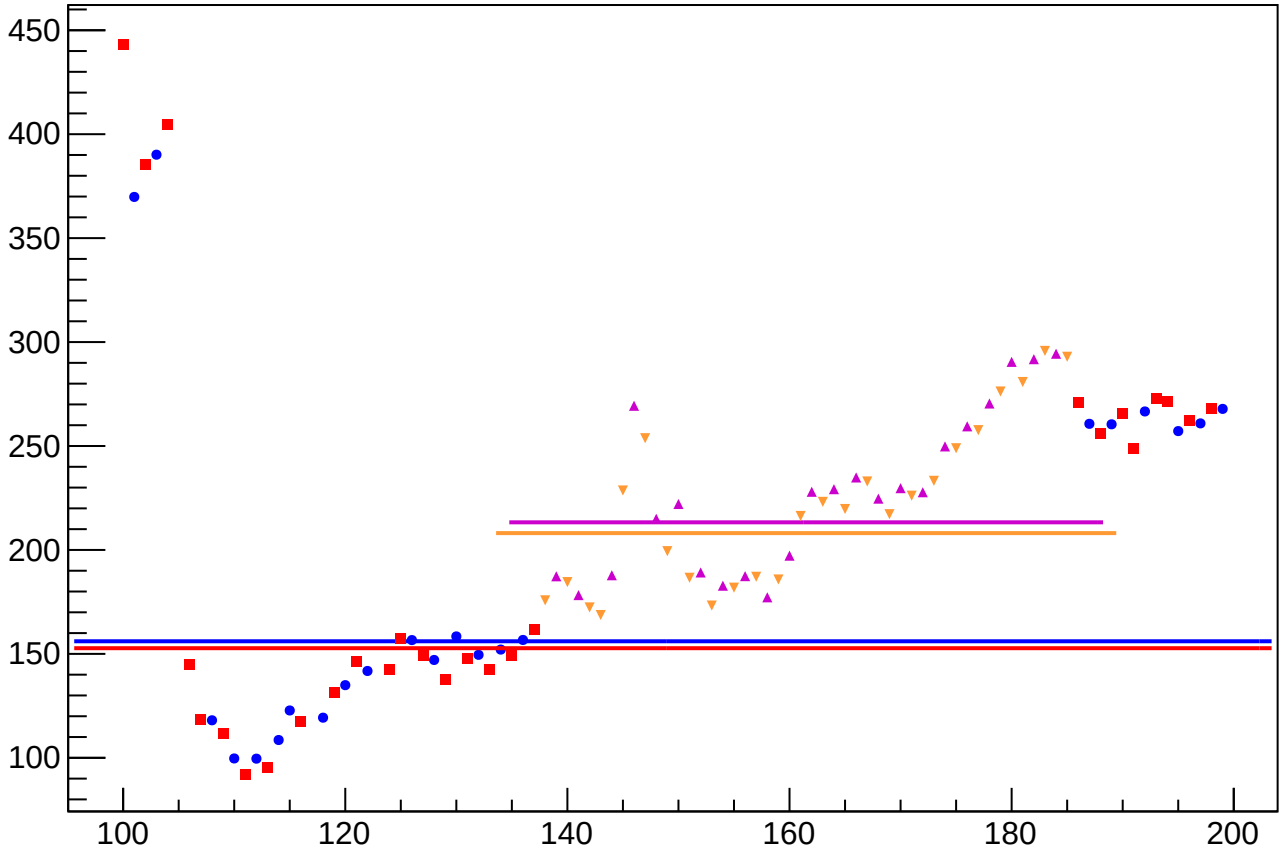
+ sign 274.091+/-0.037 χ^2/NDF: 4397202.5/46

All: 274.097+/-0.026 χ^2/NDF: 8362684.9/96

- 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: 135869.779+/-0.050 χ²/NDF: 1314405146.7/21
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 140018.593+/-0.035 χ²/NDF: 17562108403.
All: 139831.959+/-0.025 χ²/NDF: 3464458
- sign 139647.560+/-0.035 χ²/NDF: 17025424432.

yield_bpm0i02WS_rms vs Slug



Right In: 156.068+/-0.036 χ^2/NDF: 3056365.0/21

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

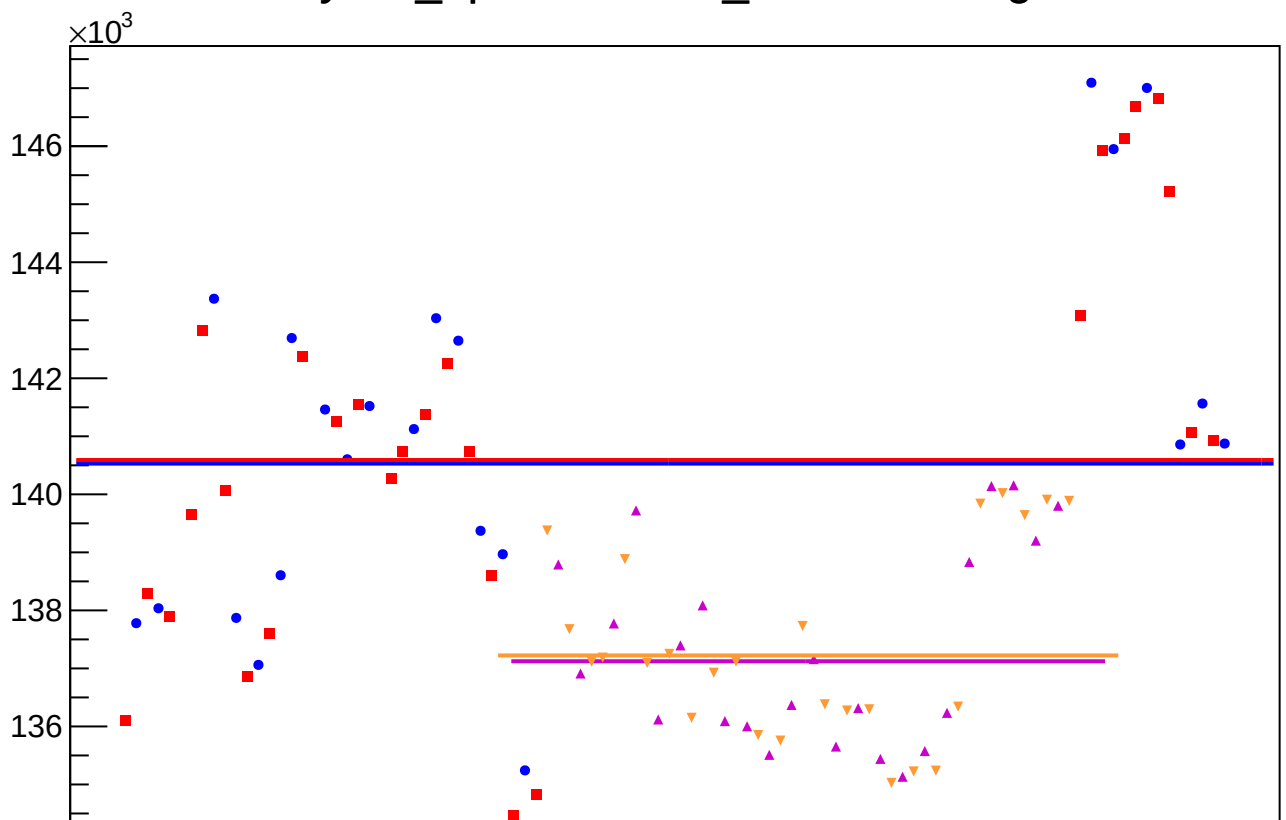
Right Out: 152.735+/-0.033 χ^2/NDF: 3798129.6/26

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 183.099+/-0.025 χ^2/NDF: 5163056.3/46

All: 181.912+/-0.017 χ^2/NDF: 11351589.1/96

- sign 180.739+/-0.024 χ^2/NDF: 6183915.1/49



Right In: 140530.112+/-0.056 χ^2/NDF: 2806072308.0/21

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140591.421+/-0.053 χ^2/NDF: 3238939219.0/26

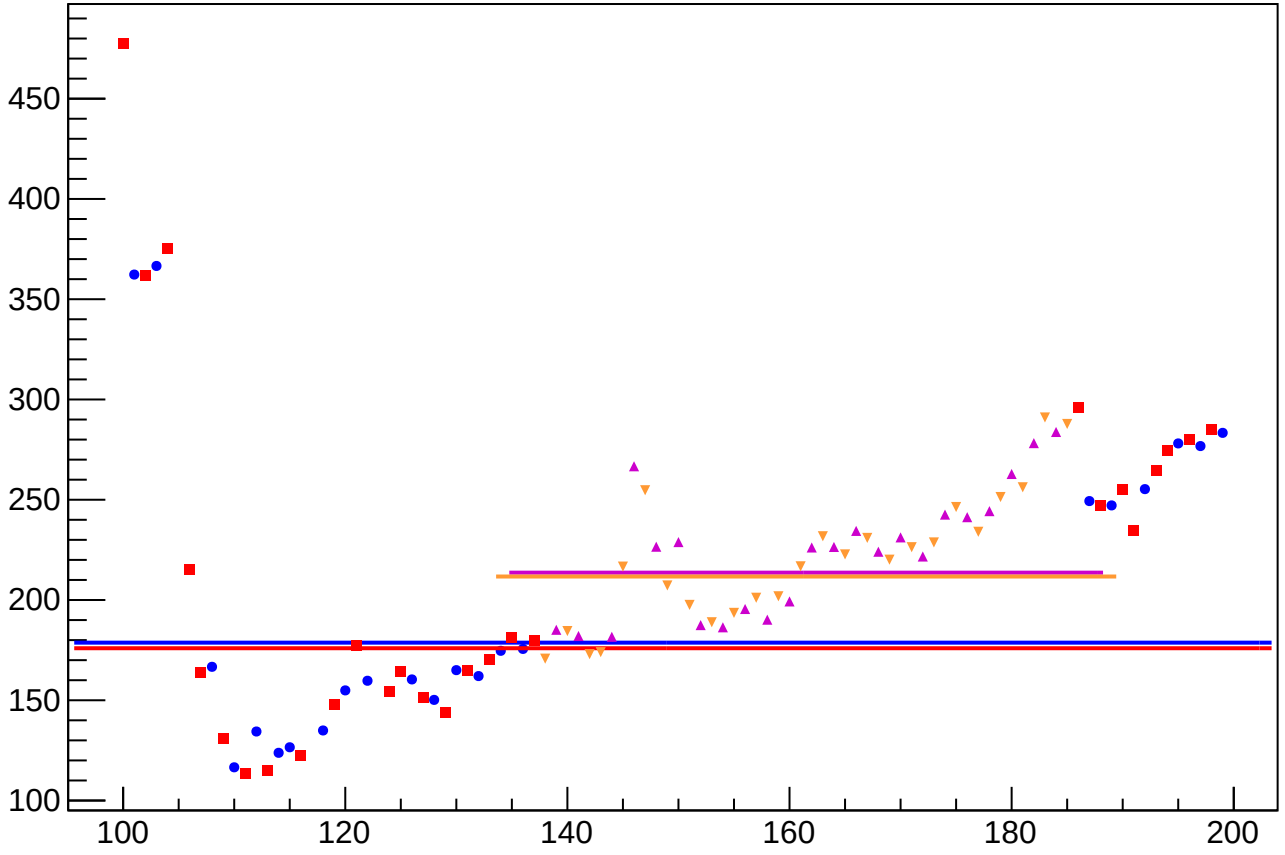
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138648.558+/-0.037 χ^2/NDF: 5659141115.3

All: 138715.422+/-0.026 χ^2/NDF: 11983777

- sign 138781.486+/-0.037 χ^2/NDF: 6318144141.4/

yield_bpm0i02aWS_rms vs Slug



Right In: 178.736+/-0.040 χ^2/NDF: 2192774.9/21

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

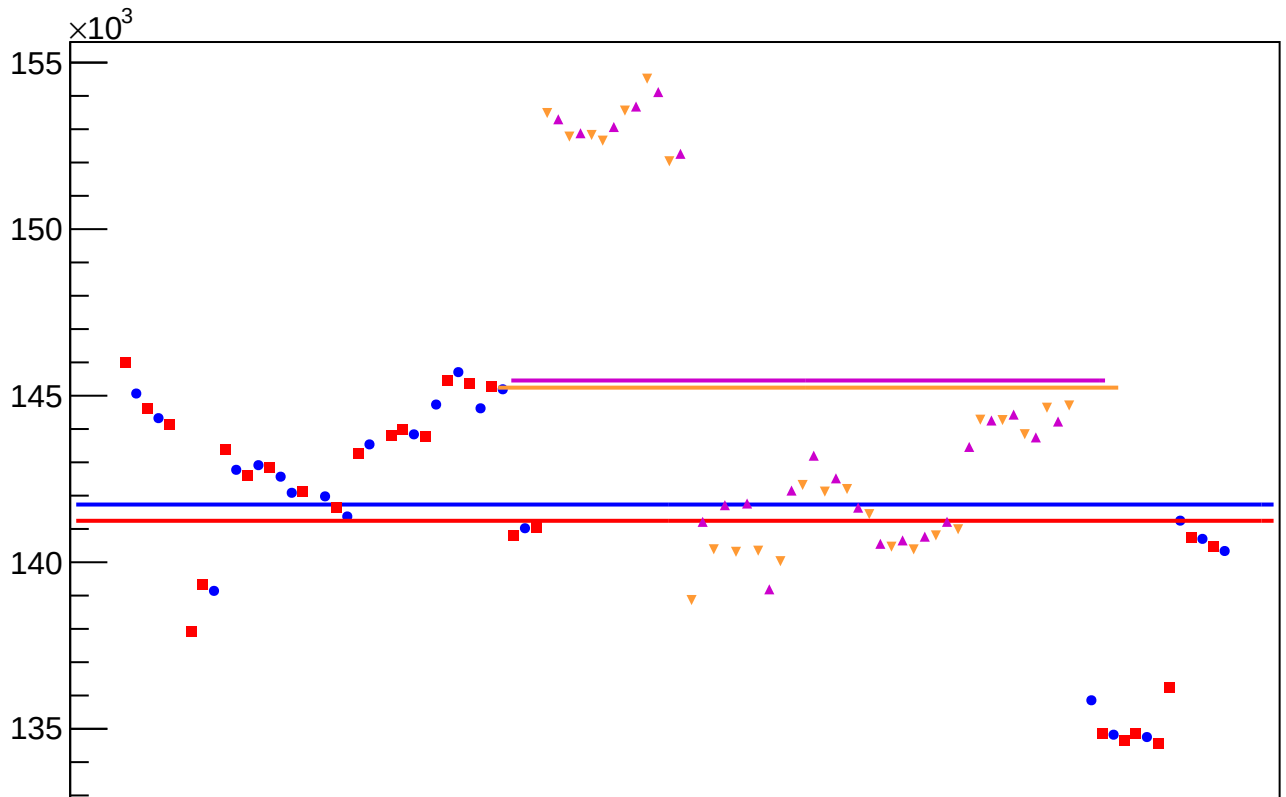
Right Out: 175.946+/-0.038 χ^2/NDF: 2807664.1/26

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

\+ sign 197.502+/-0.026 χ^2/NDF: 3258004.2/46

All: 196.555+/-0.018 χ^2/NDF: 7213844.2/96

\- sign 195.620+/-0.026 χ^2/NDF: 3953235.6/49



Right In: 141732.916+/-0.057 χ^2/NDF: 2709065084.9/21

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141244.826+/-0.053 χ^2/NDF: 4369117827.0/26

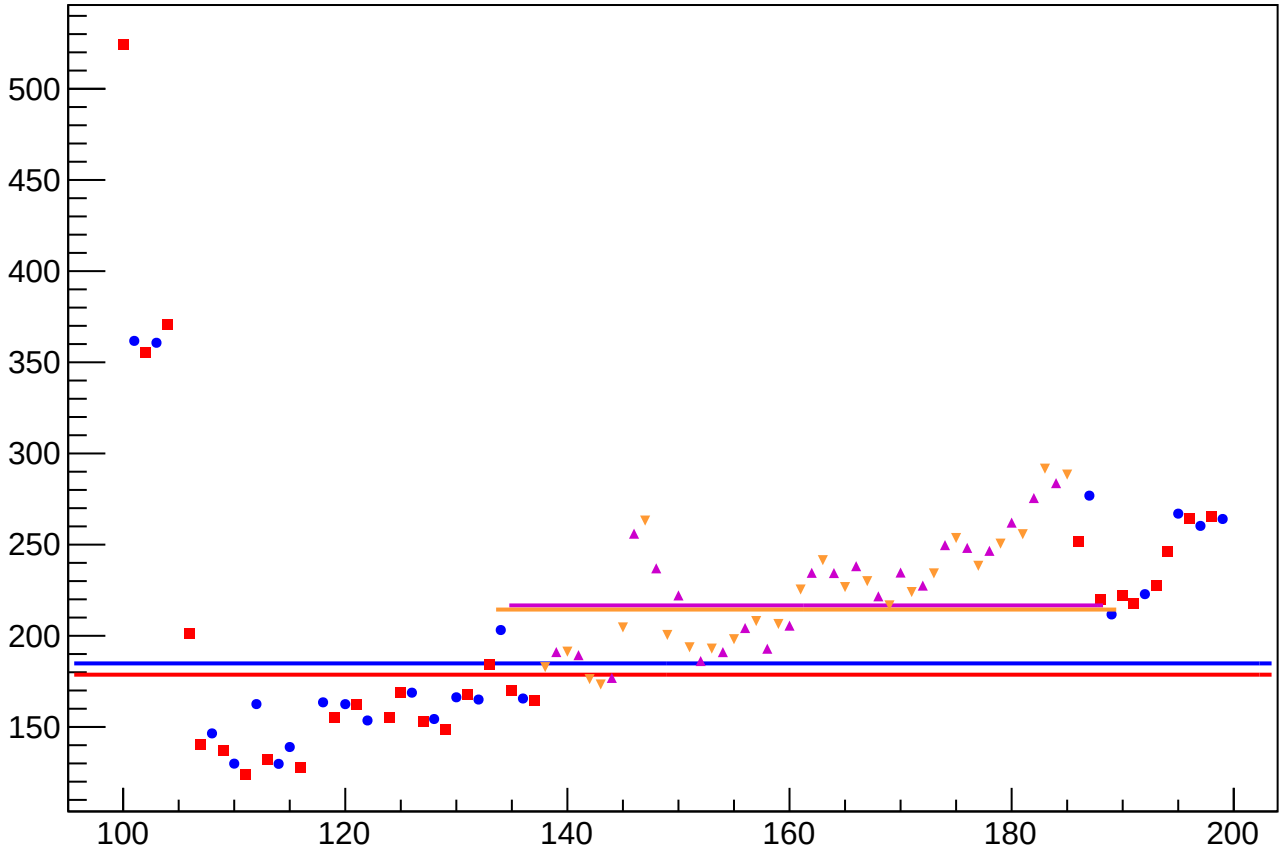
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143743.603+/-0.038 χ^2/NDF: 17878196359.

All: 143574.762+/-0.026 χ^2/NDF: 36598134

- sign 143411.003+/-0.037 χ^2/NDF: 18680810016.9

yield_bpm0i05WS_rms vs Slug



Right In: 184.860+/-0.041 χ^2/NDF: 1595876.8/21

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 178.675+/-0.038 χ^2/NDF: 1982455.2/26

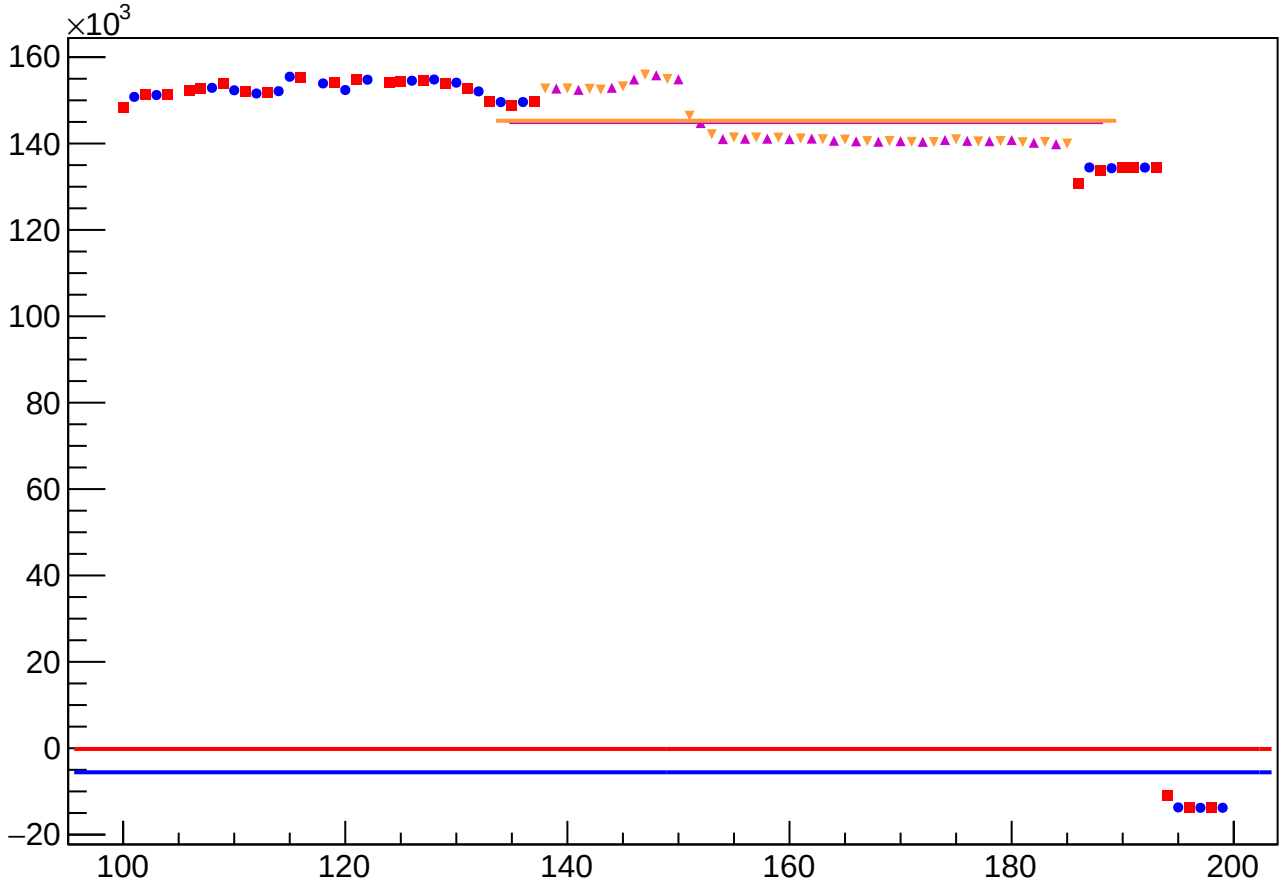
Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 201.780+/-0.027 χ^2/NDF: 2541785.1/46

All: 199.966+/-0.019 χ^2/NDF: 5647248.3/96

- sign 198.208+/-0.026 χ^2/NDF: 3096282.8/49

yield_bpm0i07WS_mean vs Slug



Right In: -5572.506+/-0.015 χ^2/NDF: 5684025101294.0/21

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -169.812+/-0.017 χ^2/NDF: 6697584392431.8/26

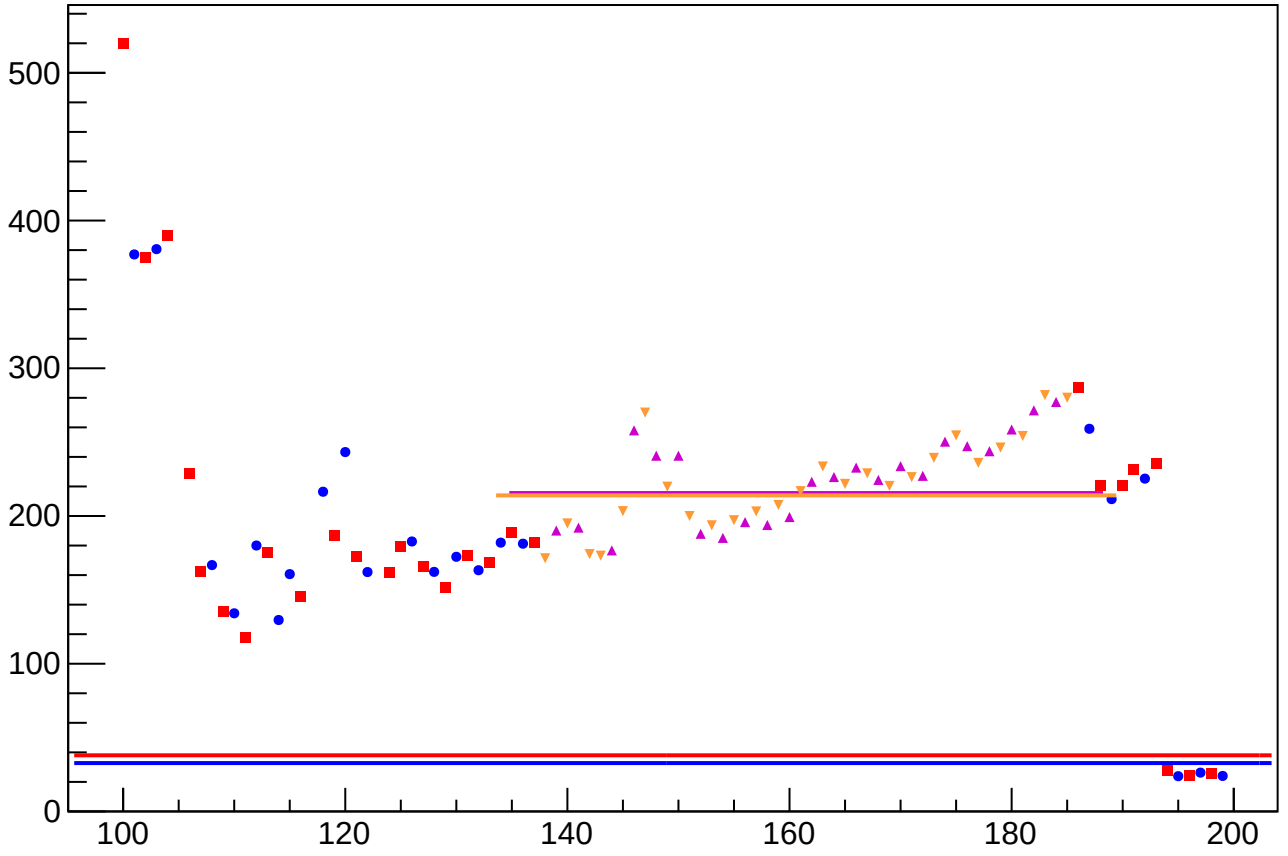
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 7117.136+/-0.014 χ^2/NDF: 1424146748633

All: 10307.384+/-0.011 χ^2/NDF: 282930808

- sign 14399.380+/-0.016 χ^2/NDF: 1393839191714

yield_bpm0i07WS_rms vs Slug



Right In: 32.753+/-0.011 χ^2/NDF: 12252525.2/21

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

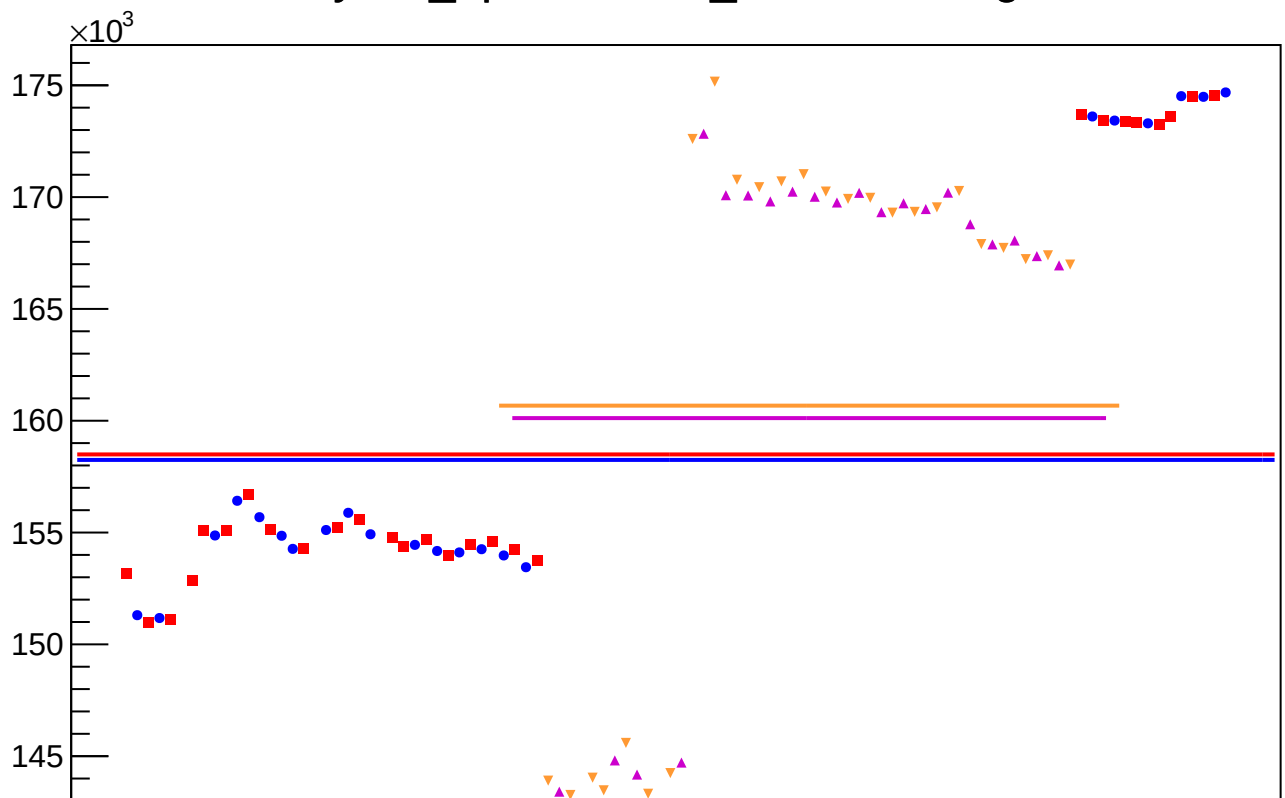
Right Out: 38.011+/-0.012 χ^2/NDF: 13485719.8/26

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 47.996+/-0.010 χ^2/NDF: 37559992.8/46

All: 51.429+/-0.008 χ^2/NDF: 73535990.5/96

- sign 55.832+/-0.011 χ^2/NDF: 35713860.1/49



Right In: 158247.887+/-0.059 χ^2/NDF: 16286146123.3/21

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 158493.366+/-0.055 χ^2/NDF: 19128487972.6/26

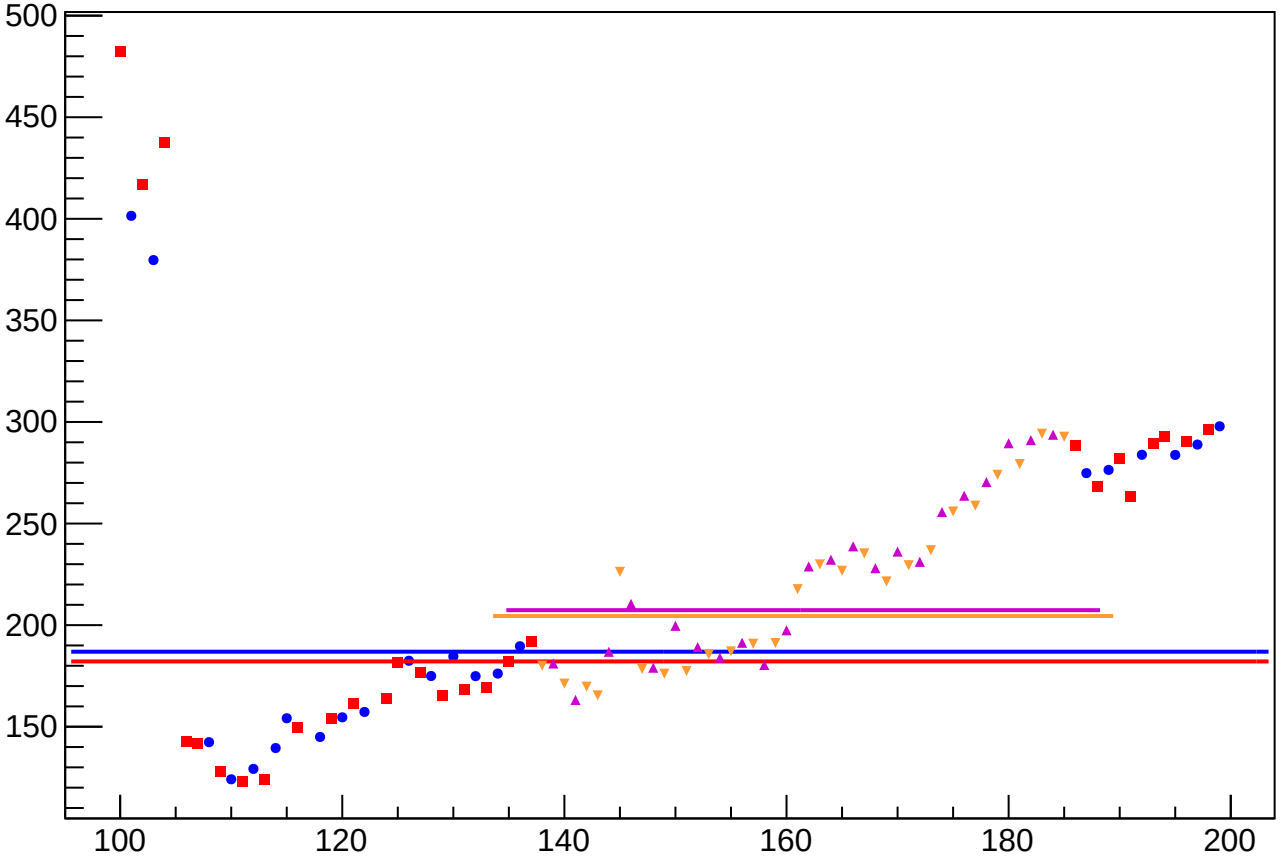
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 159722.549+/-0.037 χ^2/NDF: 91470285544.

All: 159554.754+/-0.026 χ^2/NDF: 17767761

- sign 159389.252+/-0.037 χ^2/NDF: 86166351341.5

yield_bpm1i02WS_rms vs Slug



Right In: 186.928+/-0.042 χ^2/NDF: 2333536.5/21

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

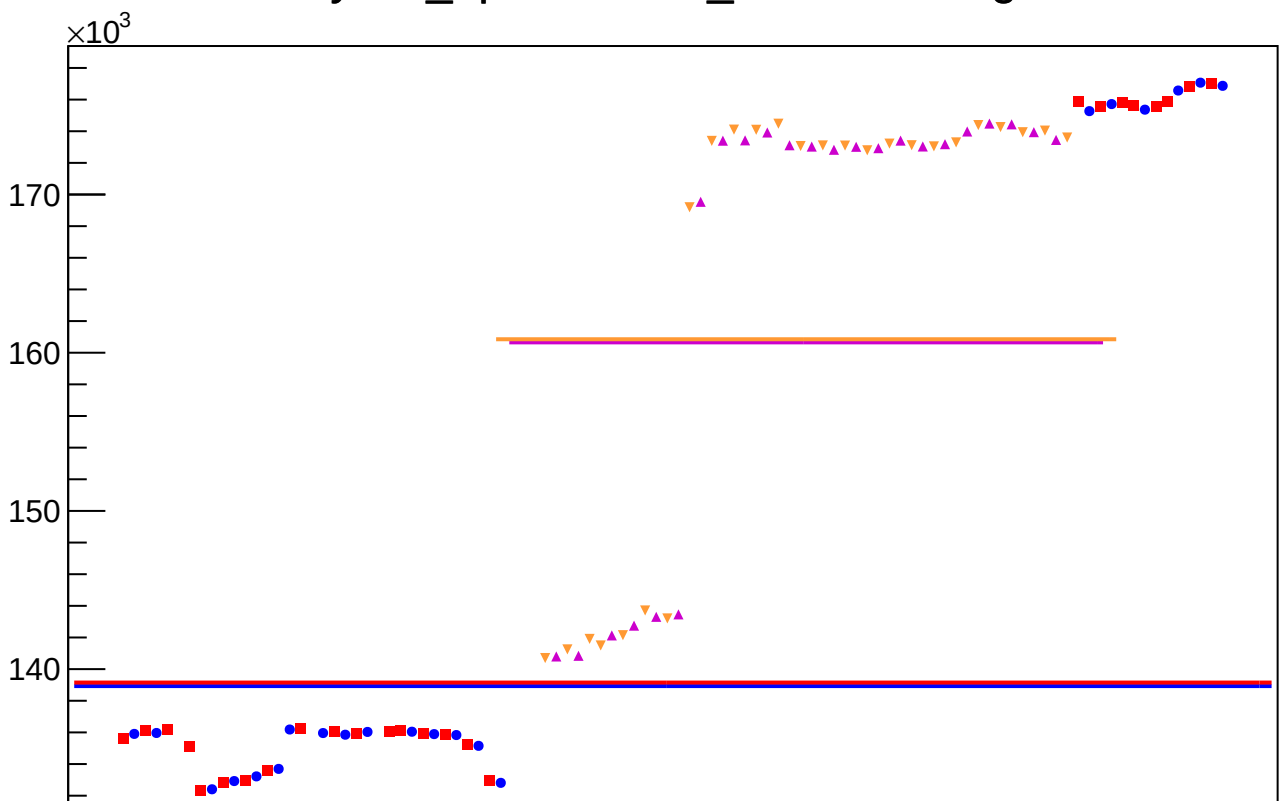
Right Out: 182.126+/-0.039 χ^2/NDF: 2968856.3/26

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 197.591+/-0.026 χ^2/NDF: 3514330.6/46

All: 196.815+/-0.018 χ^2/NDF: 7675747.2/96

- sign 196.050+/-0.026 χ^2/NDF: 4159665.5/49



Right In: 138928.154+/-0.048 χ^2/NDF: 76836941236.4/21

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 139151.107+/-0.045 χ^2/NDF: 91417437621.4/26

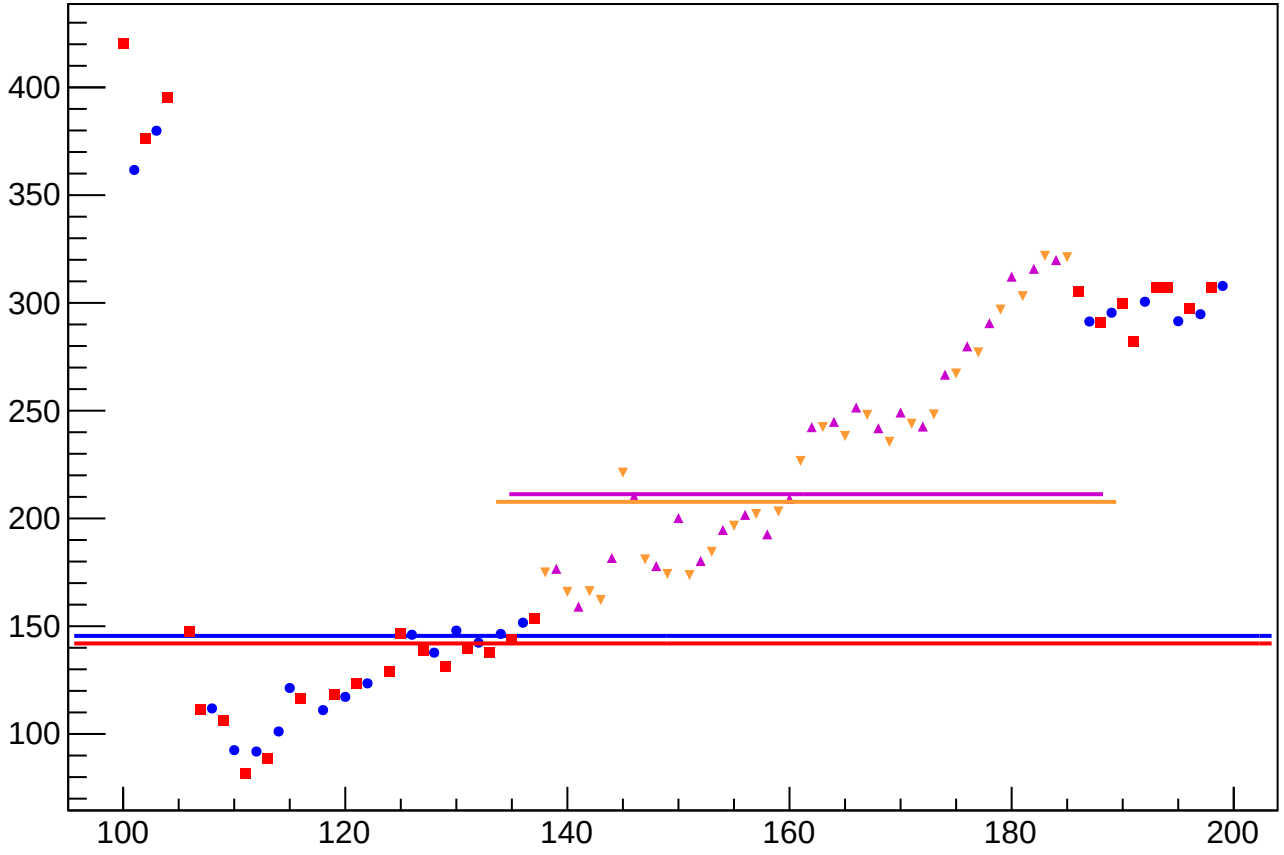
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 149775.827+/-0.034 χ^2/NDF: 27956187952

All: 149209.483+/-0.024 χ^2/NDF: 5624062

- sign 148656.985+/-0.034 χ^2/NDF: 28229840147

yield_bpm1i04WS_rms vs Slug



Right In: 145.516+/-0.034 χ^2/NDF: 3995985.3/21

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

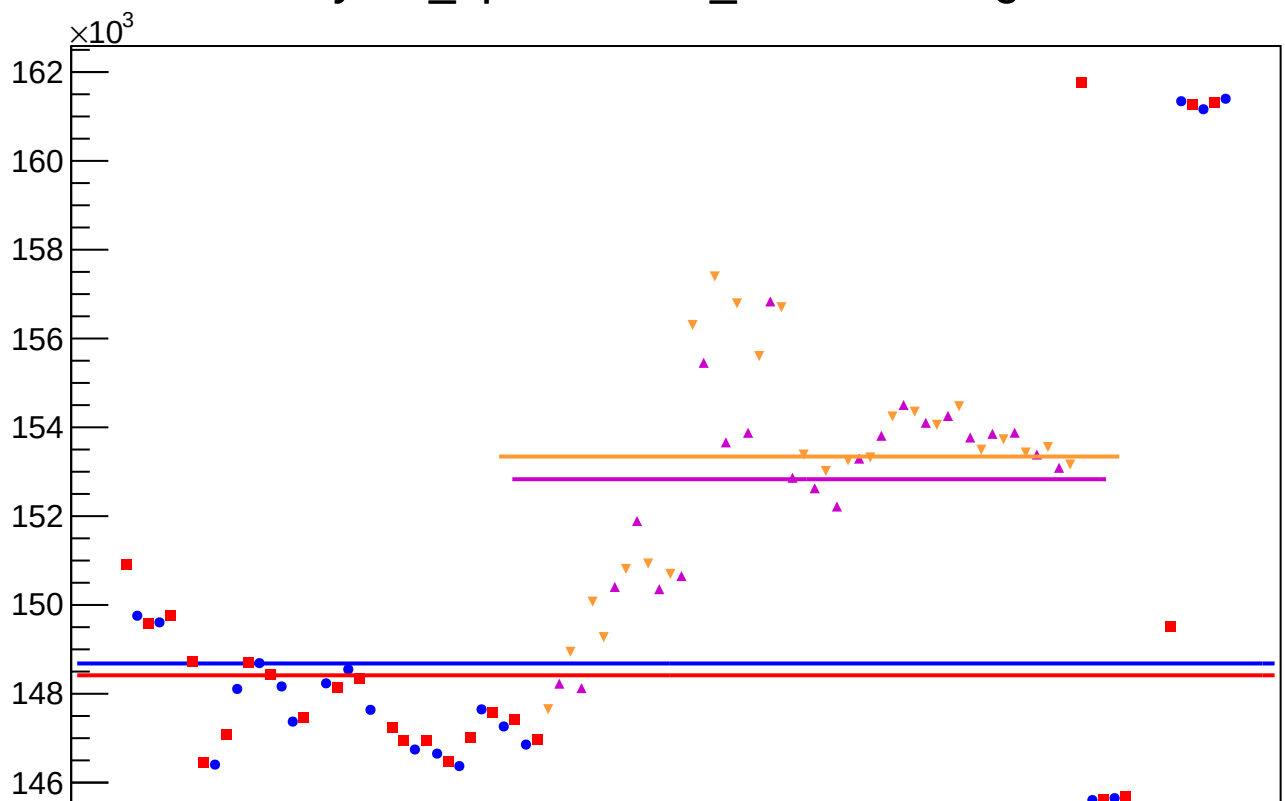
Right Out: 142.002+/-0.032 χ^2/NDF: 4965114.0/26

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 176.280+/-0.024 χ^2/NDF: 7161910.3/46

All: 174.425+/-0.017 χ^2/NDF: 15534084.9/96

- sign 172.616+/-0.024 χ^2/NDF: 8360465.8/49



Right In: 148682.562+/-0.057 χ^2/NDF: 5248753893.8/21

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 148415.750+/-0.053 χ^2/NDF: 4300737464.3/26

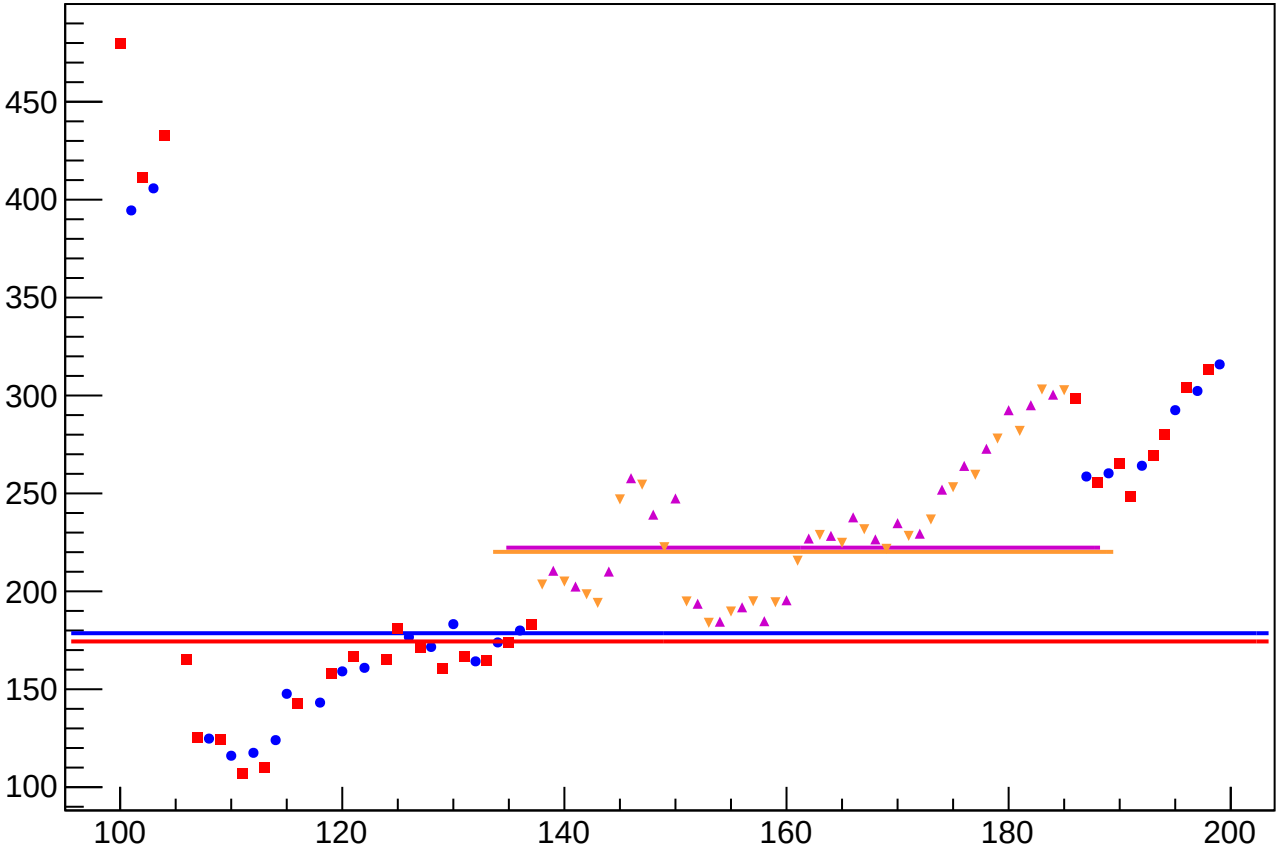
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151275.614+/-0.038 χ^2/NDF: 11959570012.

All: 150950.854+/-0.027 χ^2/NDF: 218000743

- sign 150634.113+/-0.037 χ^2/NDF: 9695427573.2/

yield_bpm1i06WS_rms vs Slug



Right In: 178.614+/-0.040 χ^2/NDF: 2728653.4/21

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

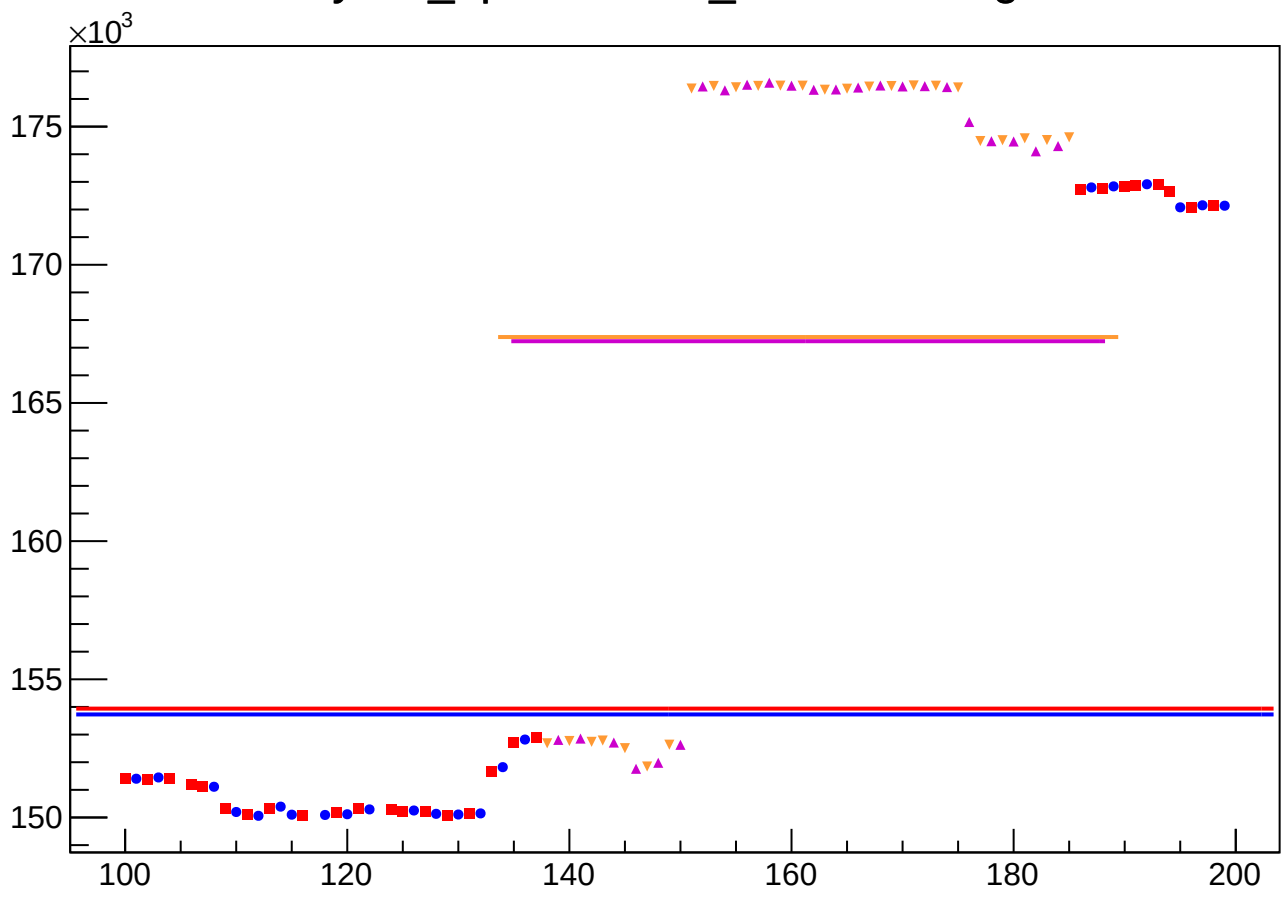
Right Out: 174.408+/-0.038 χ^2/NDF: 3326549.5/26

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 201.730+/-0.027 χ^2/NDF: 4007445.3/46

All: 200.080+/-0.019 χ^2/NDF: 8858048.8/96

- sign 198.470+/-0.026 χ^2/NDF: 4843110.8/49



Right In: 153728.597+/-0.051 χ^2/NDF: 23403944665.2/21

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153939.722+/-0.047 χ^2/NDF: 28815610128.8/26

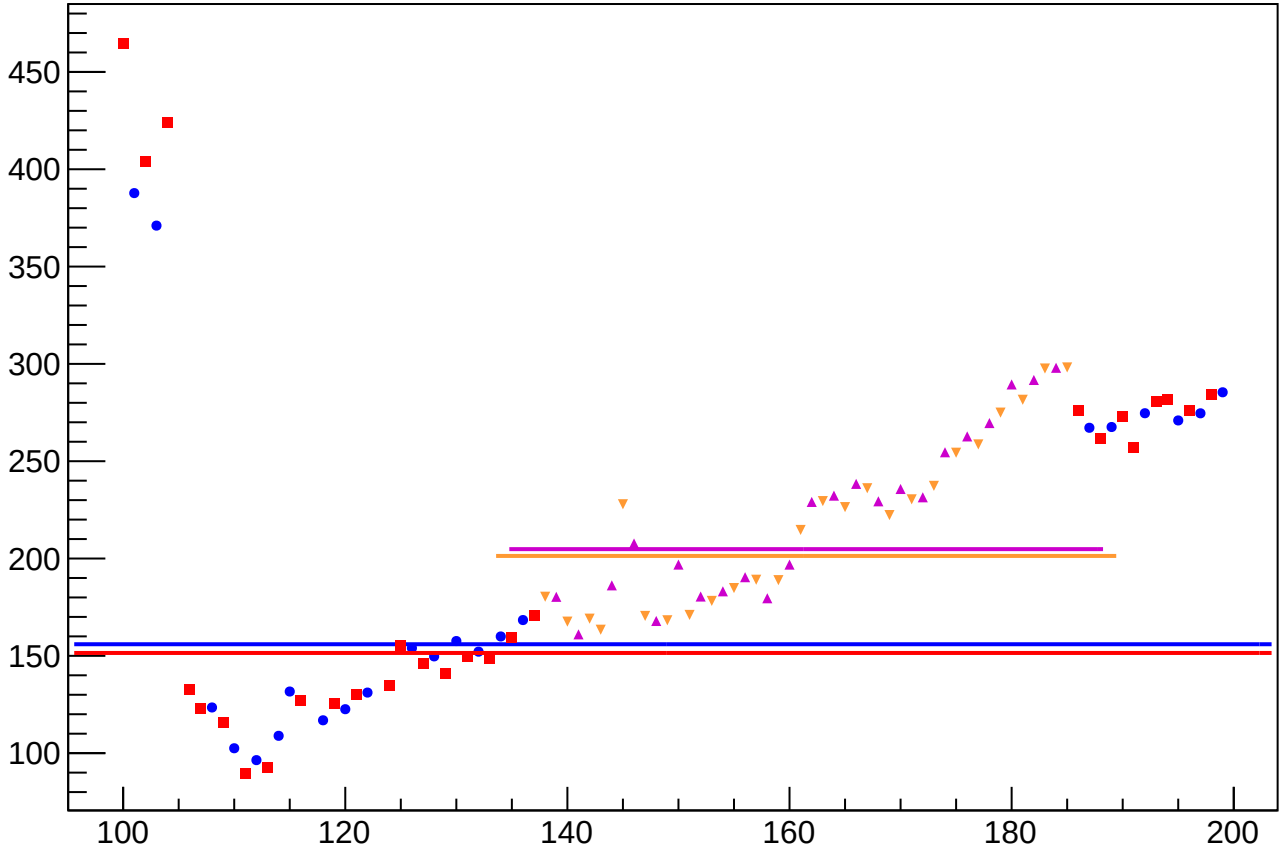
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161086.618+/-0.034 χ^2/NDF: 12239566911

All: 160695.400+/-0.024 χ^2/NDF: 24508508

- sign 160314.631+/-0.034 χ^2/NDF: 12243274405

yield_bpm2i01WS_rms vs Slug



Right In: 155.961+/-0.036 χ^2/NDF: 3287749.6/21

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

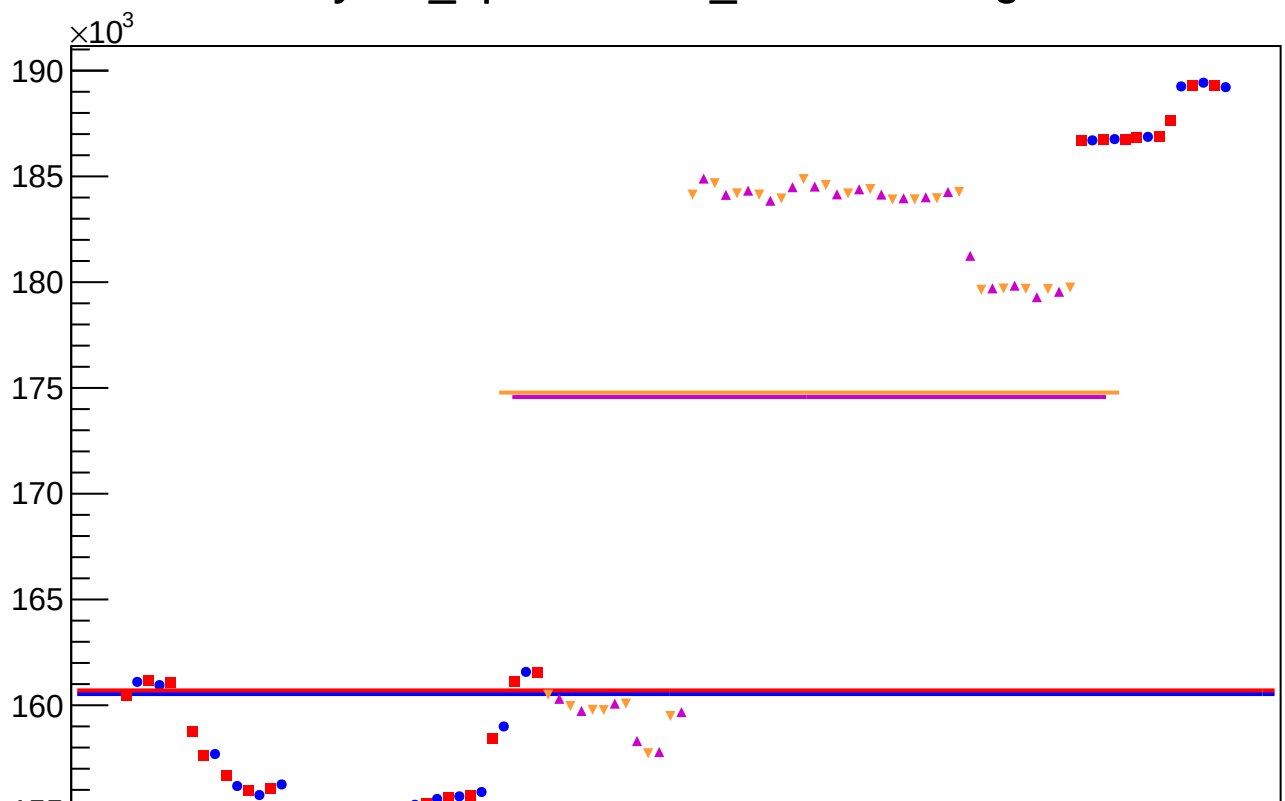
Right Out: 151.481+/-0.033 χ^2/NDF: 4130271.7/26

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 180.404+/-0.024 χ^2/NDF: 5387745.0/46

All: 178.710+/-0.017 χ^2/NDF: 11821079.8/96

- sign 177.061+/-0.024 χ^2/NDF: 6423707.0/49



Right In: 160529.483+/-0.053 χ^2/NDF: 41298265206.3/21

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 160702.539+/-0.049 χ^2/NDF: 48089899585.4/26

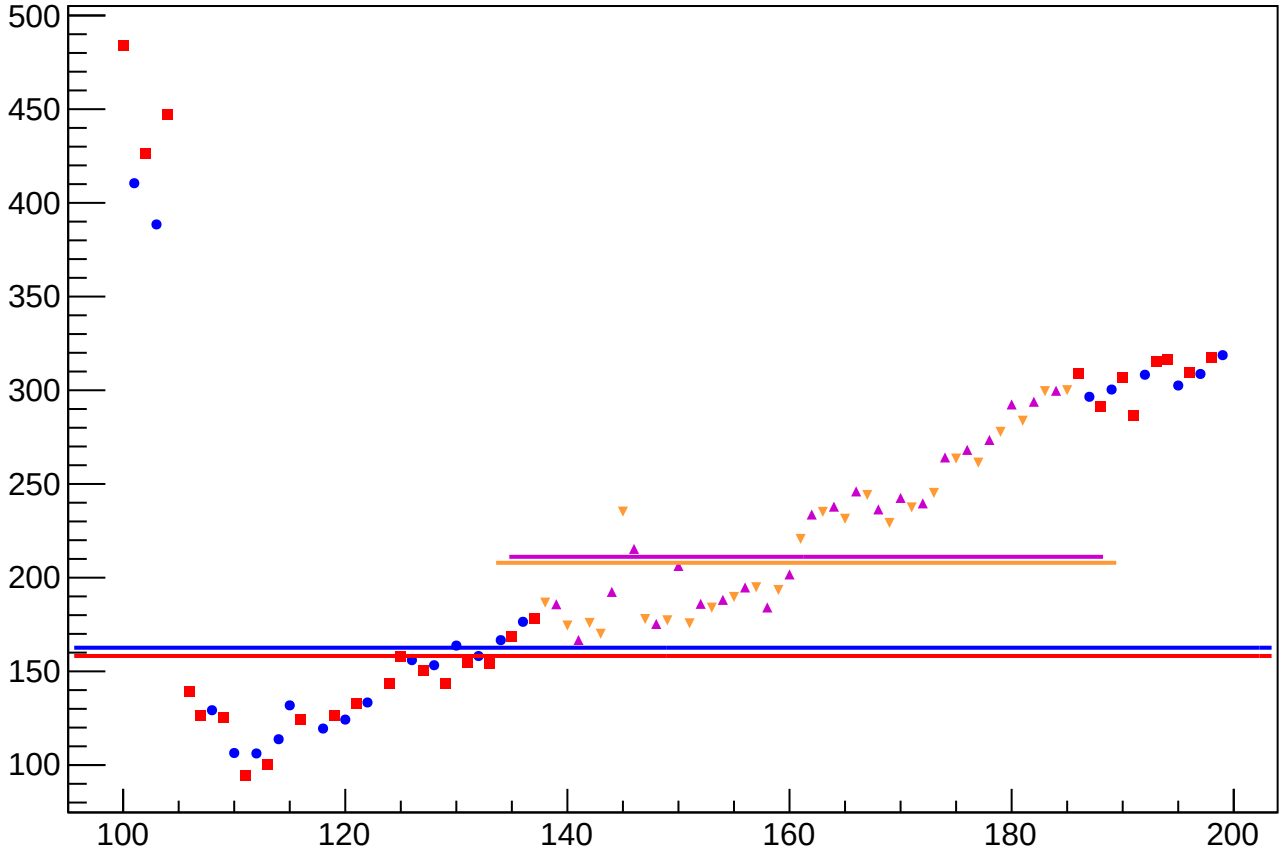
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 168338.592+/-0.036 χ^2/NDF: 13893813519

All: 167916.294+/-0.025 χ^2/NDF: 2807362

- sign 167504.170+/-0.035 χ^2/NDF: 141521419060

yield_bpm2i02WS_rms vs Slug



Right In: 162.621+/-0.038 χ^2/NDF: 3573244.6/21

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 158.212+/-0.035 χ^2/NDF: 4463408.3/26

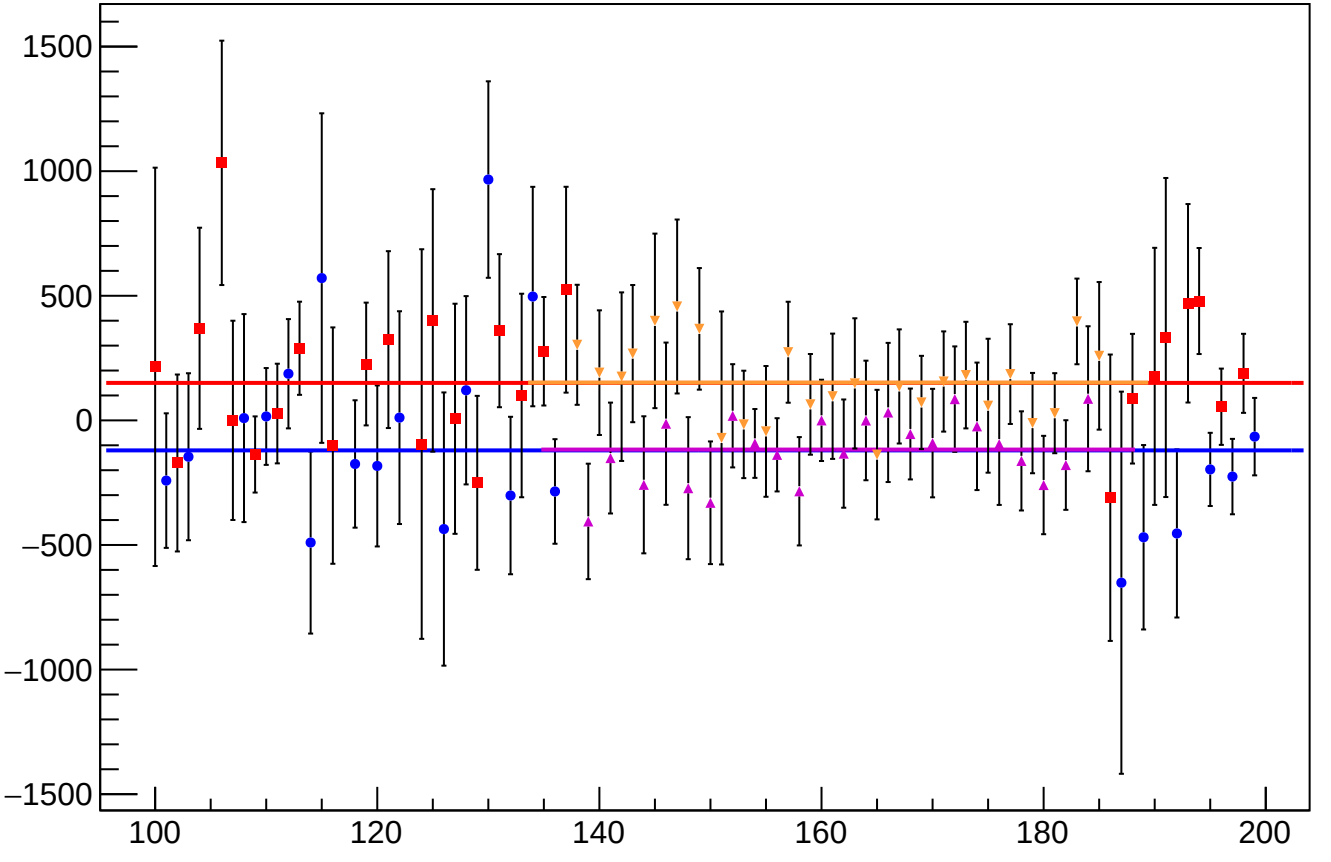
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 187.454+/-0.025 χ^2/NDF: 5504389.9/46

All: 185.791+/-0.018 χ^2/NDF: 12096537.2/96

- sign 184.169+/-0.025 χ^2/NDF: 6583568.1/49

asym_bcm_target_mean vs Slug



Right In: -120.445+/-55.927 χ^2/NDF: 19.5/21

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 150.377+/-53.612 χ^2/NDF: 17.2/26

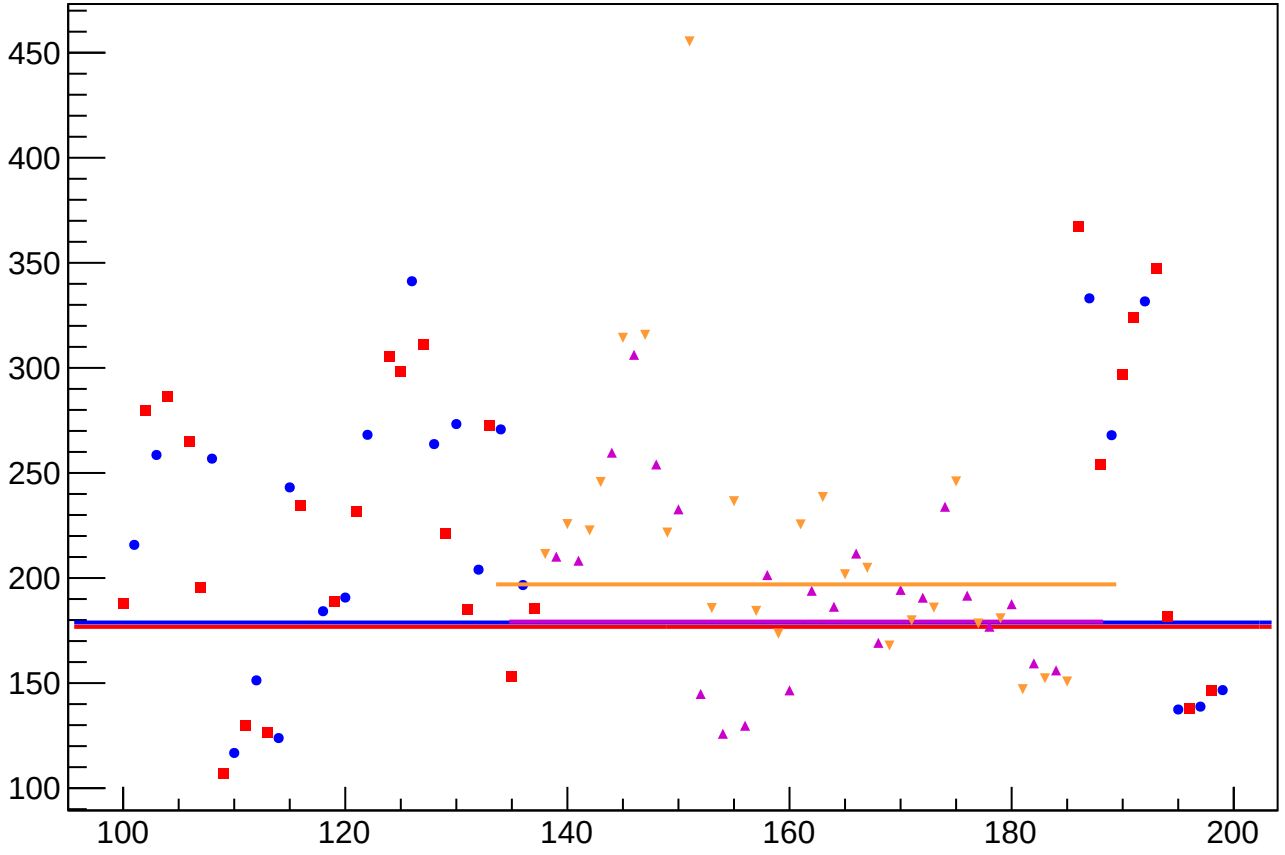
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 40.634+/-35.719 χ^2/NDF: 43.1/46

All: 13.930+/-24.592 χ^2/NDF: 83.8/96

- sign -10.136+/-33.909 χ^2/NDF: 39.6/49

asym_bcm_target_rms vs Slug



Right In: 178.829+/-0.040 χ^2/NDF: 2109439.8/21

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 176.762+/-0.038 χ^2/NDF: 2818980.9/26

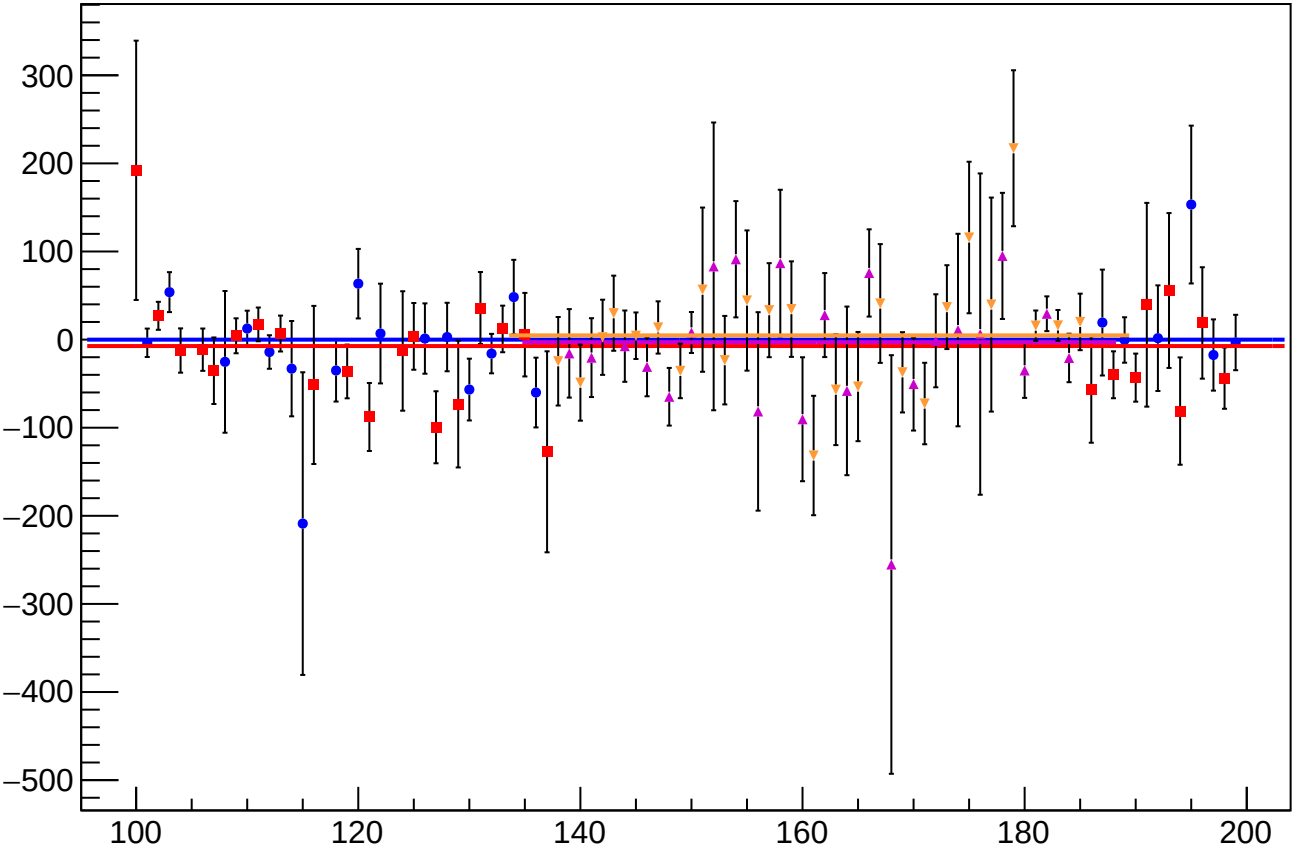
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 189.574+/-0.025 χ^2/NDF: 4043413.2/46

All: 183.622+/-0.017 χ^2/NDF: 8626586.9/96

- sign 178.258+/-0.024 χ^2/NDF: 4477601.6/49

asym_bcm_an_diff_mean vs Slug



Right In: -0.061+/-6.686 χ^2/NDF: 22.1/21

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -7.323+/-6.153 χ^2/NDF: 31.3/26

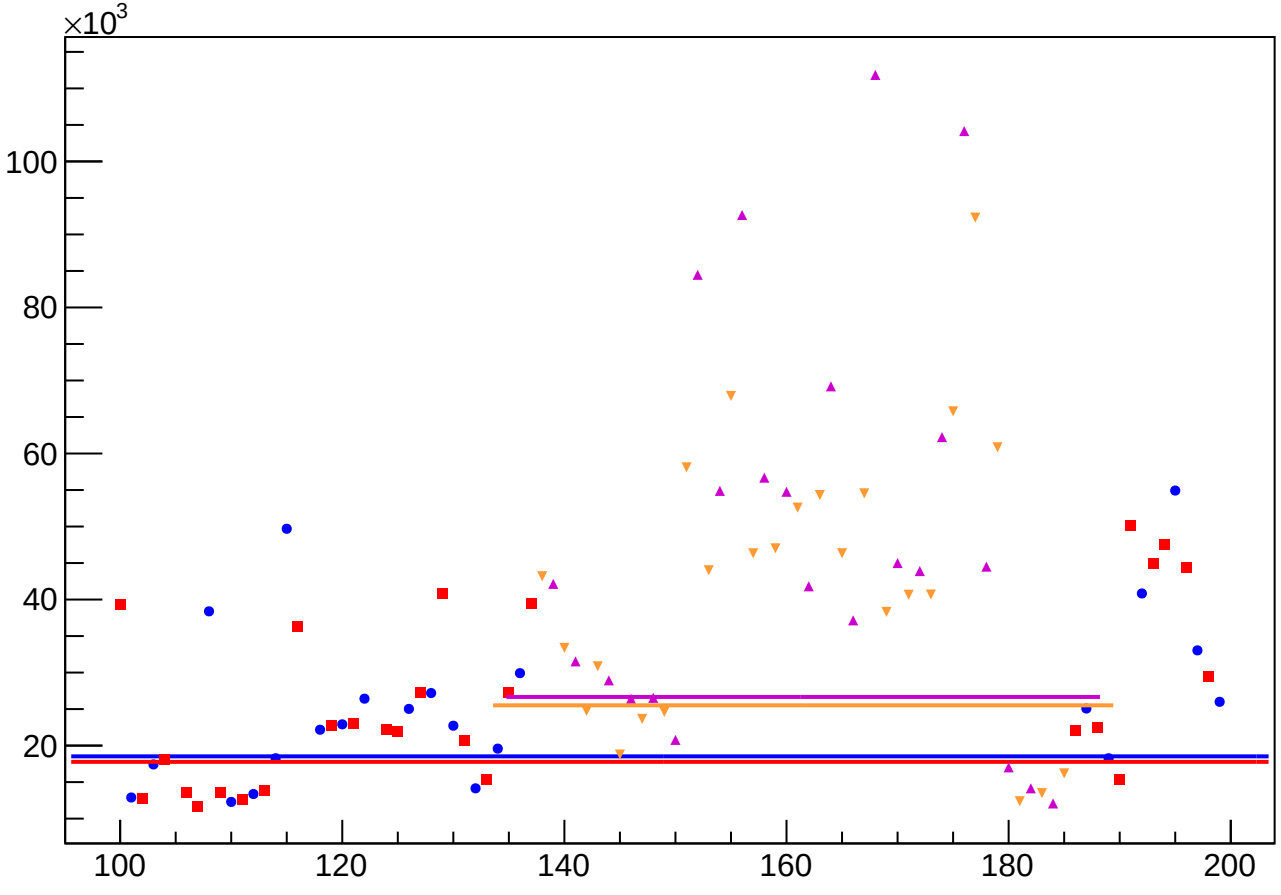
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.061+/-5.020 χ^2/NDF: 46.7/46

All: -1.889+/-3.560 χ^2/NDF: 100.8/96

- sign -5.885+/-5.050 χ^2/NDF: 52.9/49

asym_bcm_an_diff_rms vs Slug



Right In: 18527.469+/-4.728 χ^2/NDF: 2283984.1/21

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

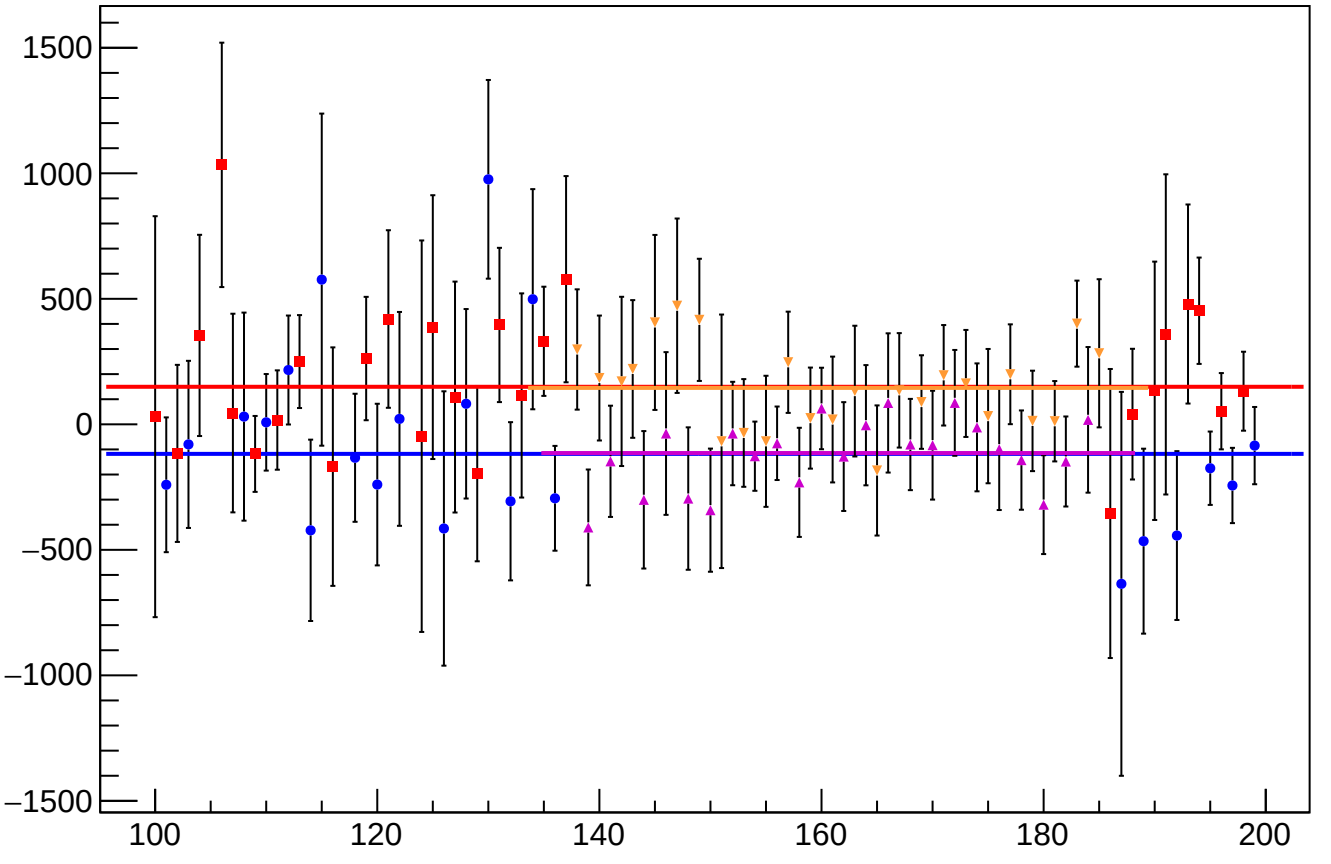
Right Out: 17774.809+/-4.351 χ^2/NDF: 2856366.9/26

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21574.690+/-3.550 χ^2/NDF: 10978776.8/46

All: 21127.281+/-2.518 χ^2/NDF: 21111635.7

- sign 20674.577+/-3.571 χ^2/NDF: 10100902.4/49



Right In: -117.701+/-55.566 χ^2/NDF: 19.7/21

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 149.572+/-53.290 χ^2/NDF: 17.2/26

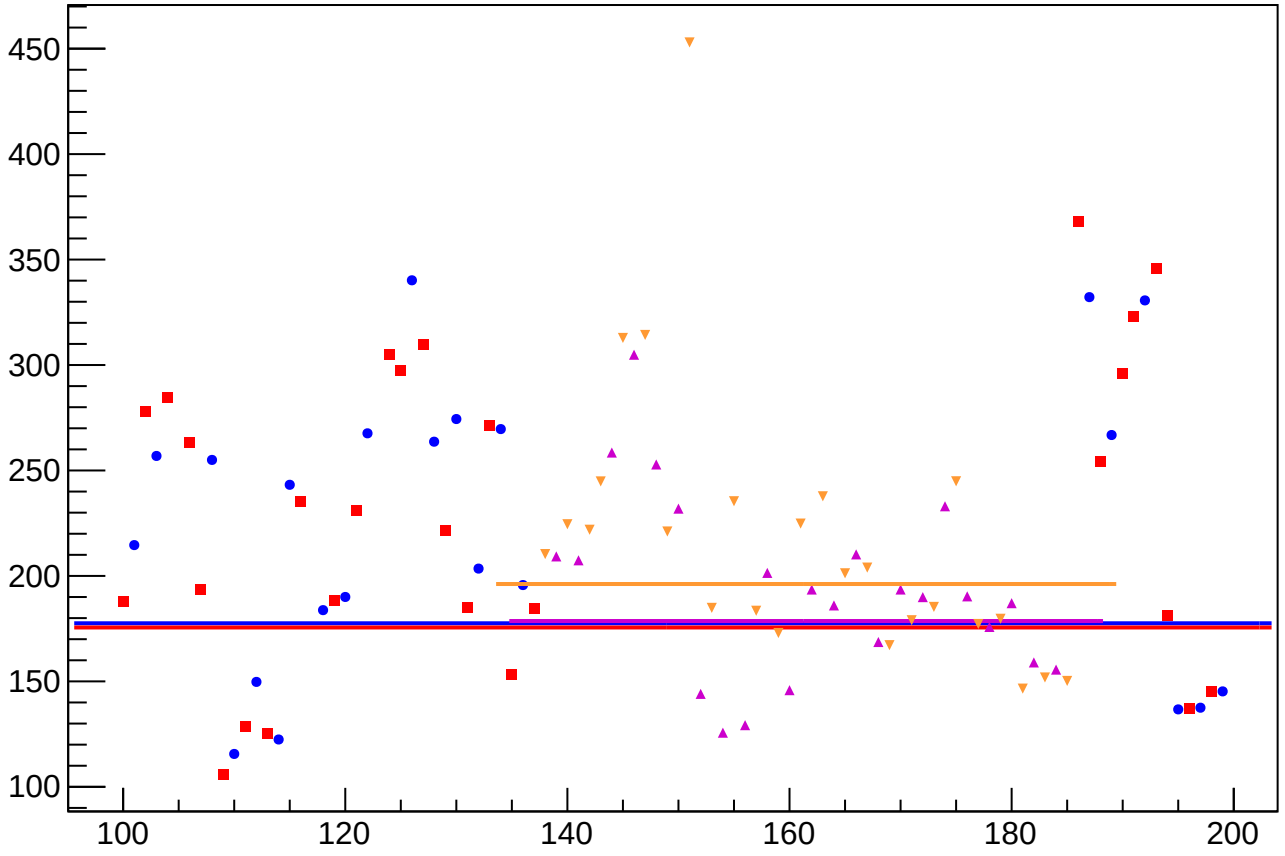
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 37.655+/-35.536 χ^2/NDF: 44.1/46

All: 13.393+/-24.473 χ^2/NDF: 85.3/96

- sign -8.496+/-33.754 χ^2/NDF: 40.3/49

asym_bcm_an_ds_rms vs Slug



Right In: 177.546+/-0.039 χ^2/NDF: 2139941.0/21

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 175.555+/-0.038 χ^2/NDF: 2856874.2/26

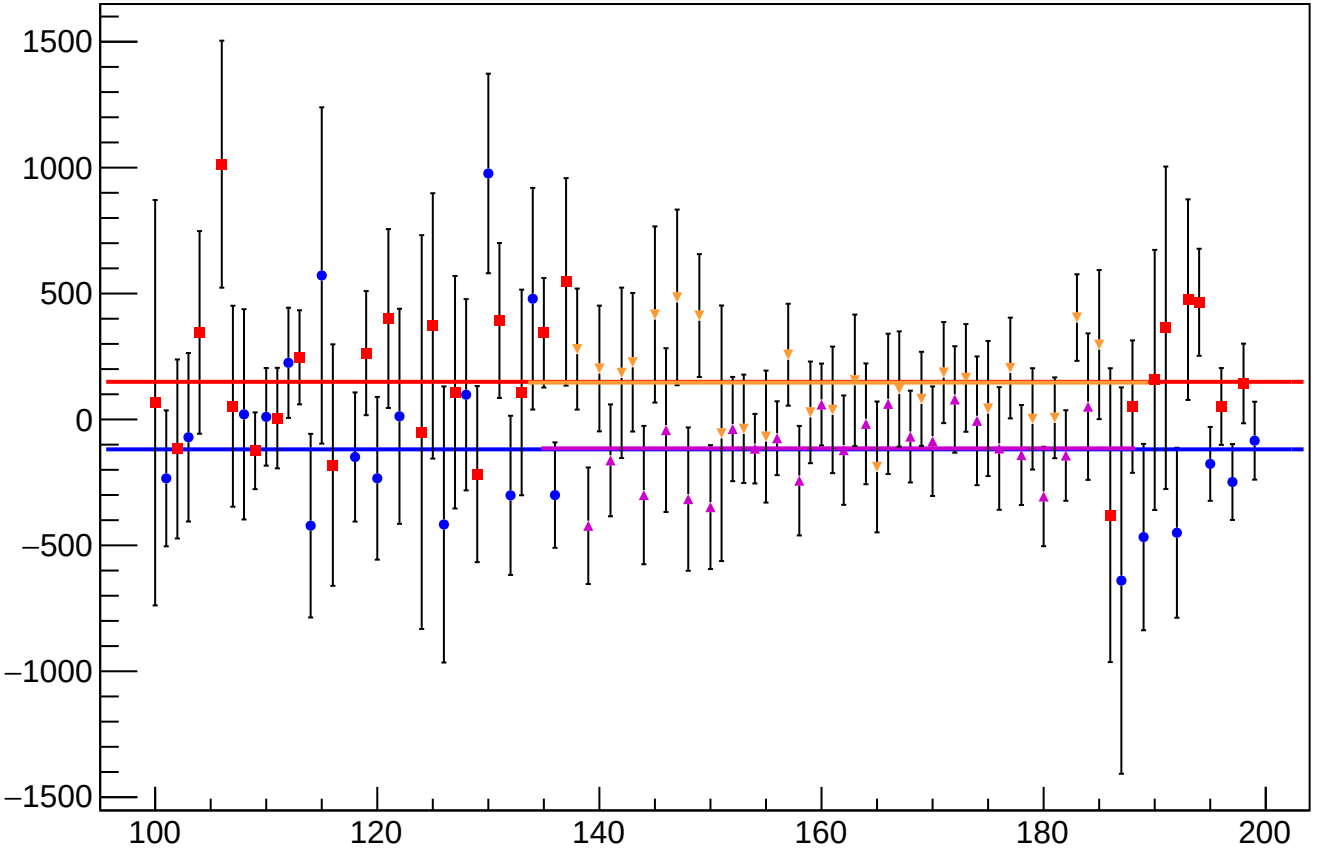
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 188.550+/-0.025 χ^2/NDF: 4079538.1/46

All: 182.683+/-0.017 χ^2/NDF: 8695931.7/96

- sign 177.391+/-0.024 χ^2/NDF: 4512712.6/49

asym_bcm_an_ds3_mean vs Slug



Right In: -118.737+/-55.854 χ^2/NDF: 19.7/21

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 149.445+/-53.579 χ^2/NDF: 17.3/26

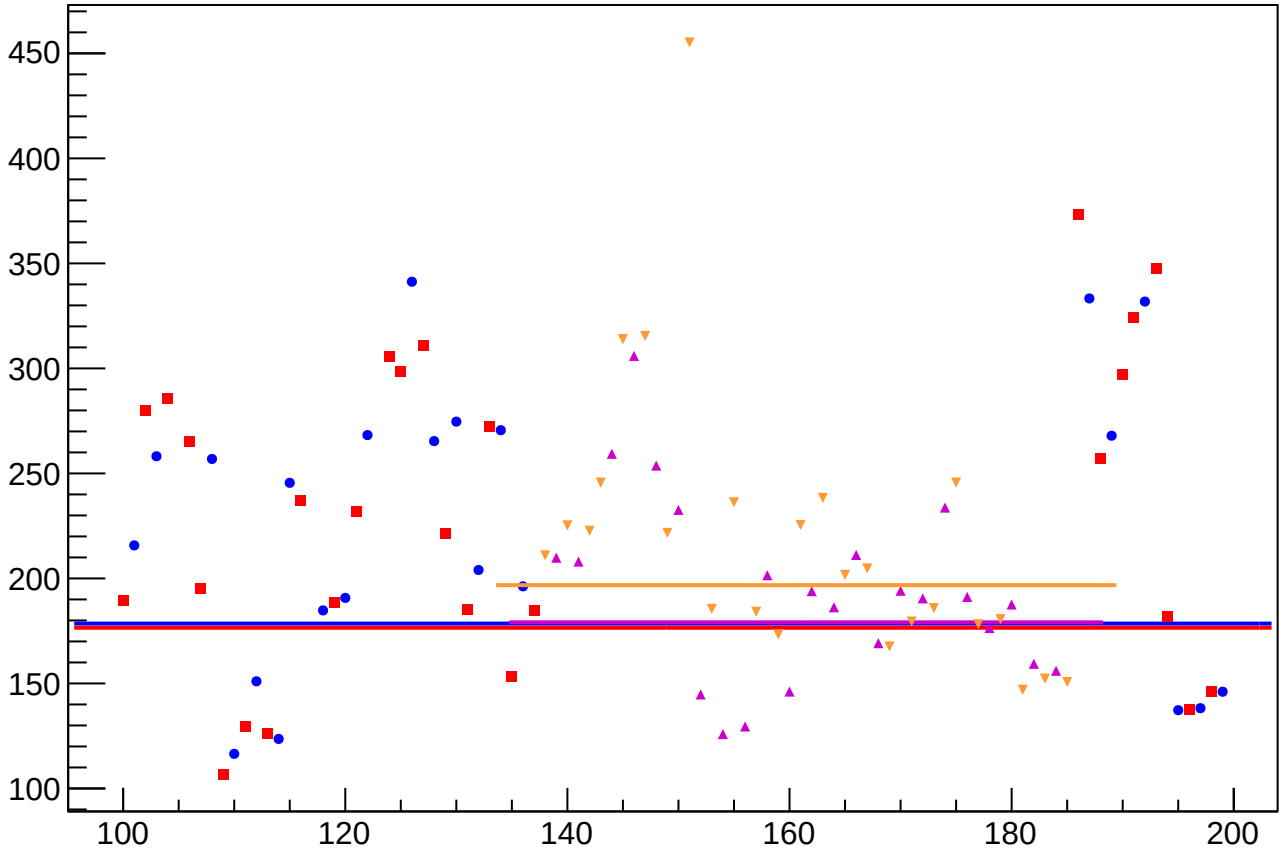
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 38.205+/-35.681 χ^2/NDF: 44.4/46

All: 13.317+/-24.570 χ^2/NDF: 85.6/96

- sign -9.126+/-33.883 χ^2/NDF: 40.3/49

asym_bcm_an_ds3_rms vs Slug



Right In: 178.508+/-0.039 χ^2/NDF: 2129699.9/21

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 176.523+/-0.038 χ^2/NDF: 2852127.0/26

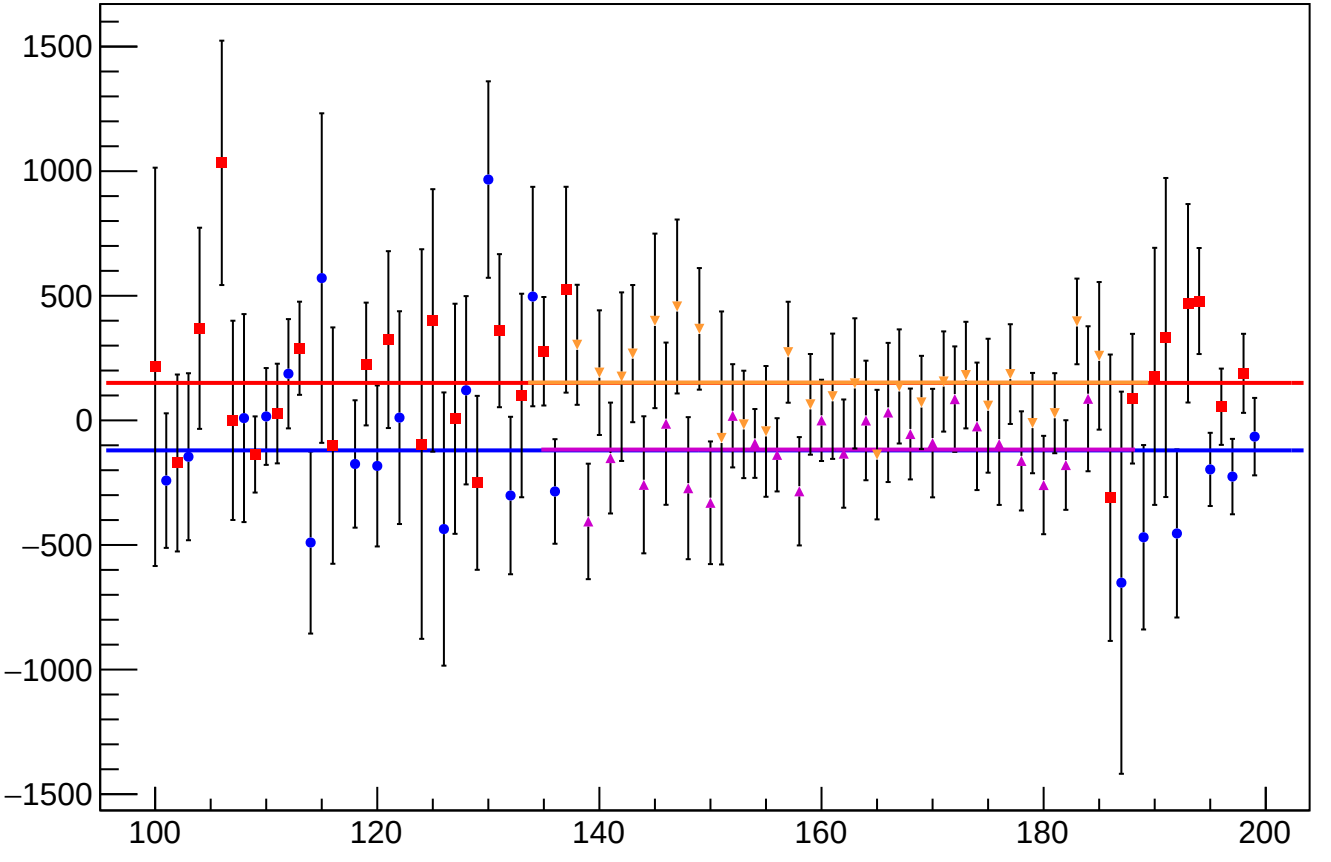
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

\+ sign 189.338+/-0.025 χ^2/NDF: 4065353.8/46

All: 183.413+/-0.017 χ^2/NDF: 8681006.8/96

\- sign 178.070+/-0.024 χ^2/NDF: 4510771.7/49

asym_bcm_an_us_mean vs Slug



Right In: -120.445+/-55.927 χ^2/NDF: 19.5/21

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 150.377+/-53.612 χ^2/NDF: 17.2/26

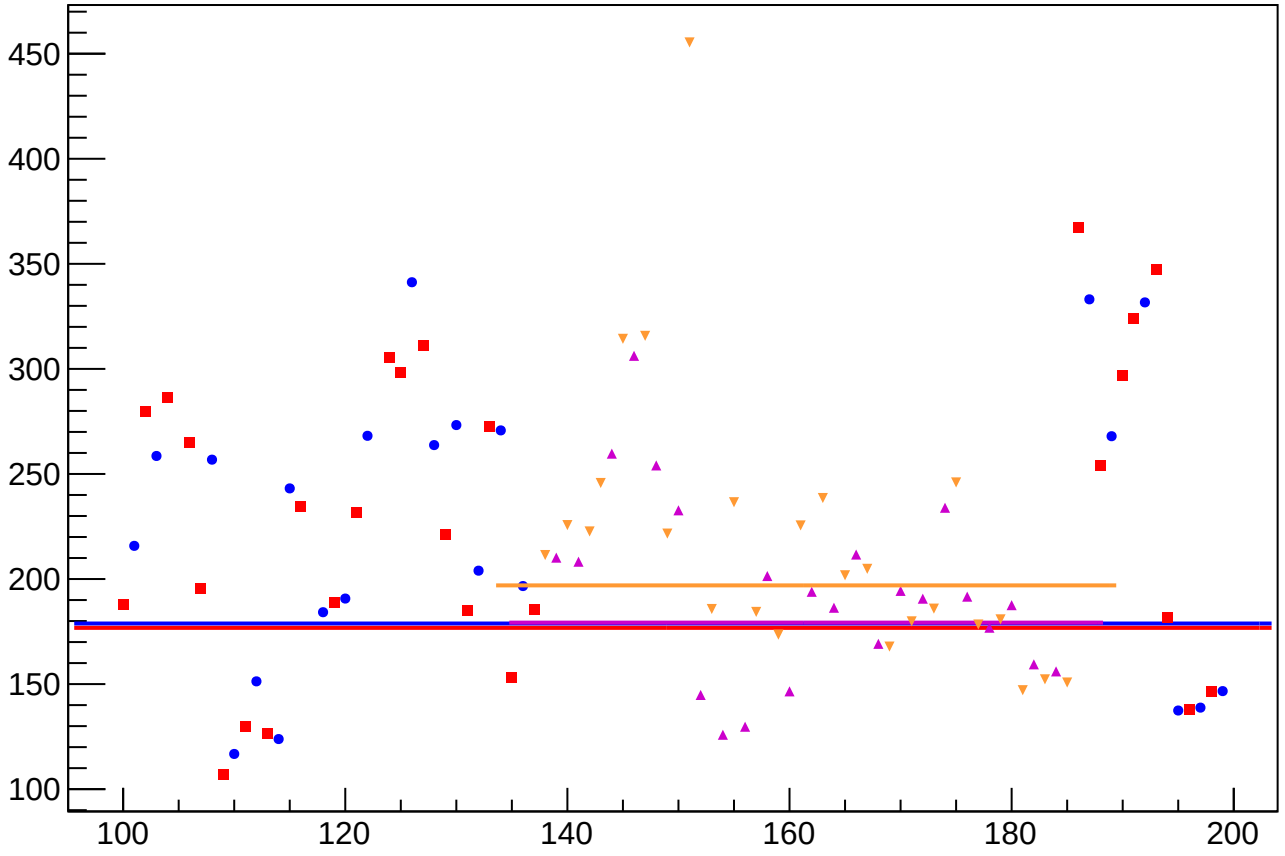
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 40.634+/-35.719 χ^2/NDF: 43.1/46

All: 13.930+/-24.592 χ^2/NDF: 83.8/96

- sign -10.136+/-33.909 χ^2/NDF: 39.6/49

asym_bcm_an_us_rms vs Slug



Right In: 178.829+/-0.040 χ^2/NDF: 2109439.8/21

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 176.762+/-0.038 χ^2/NDF: 2818980.9/26

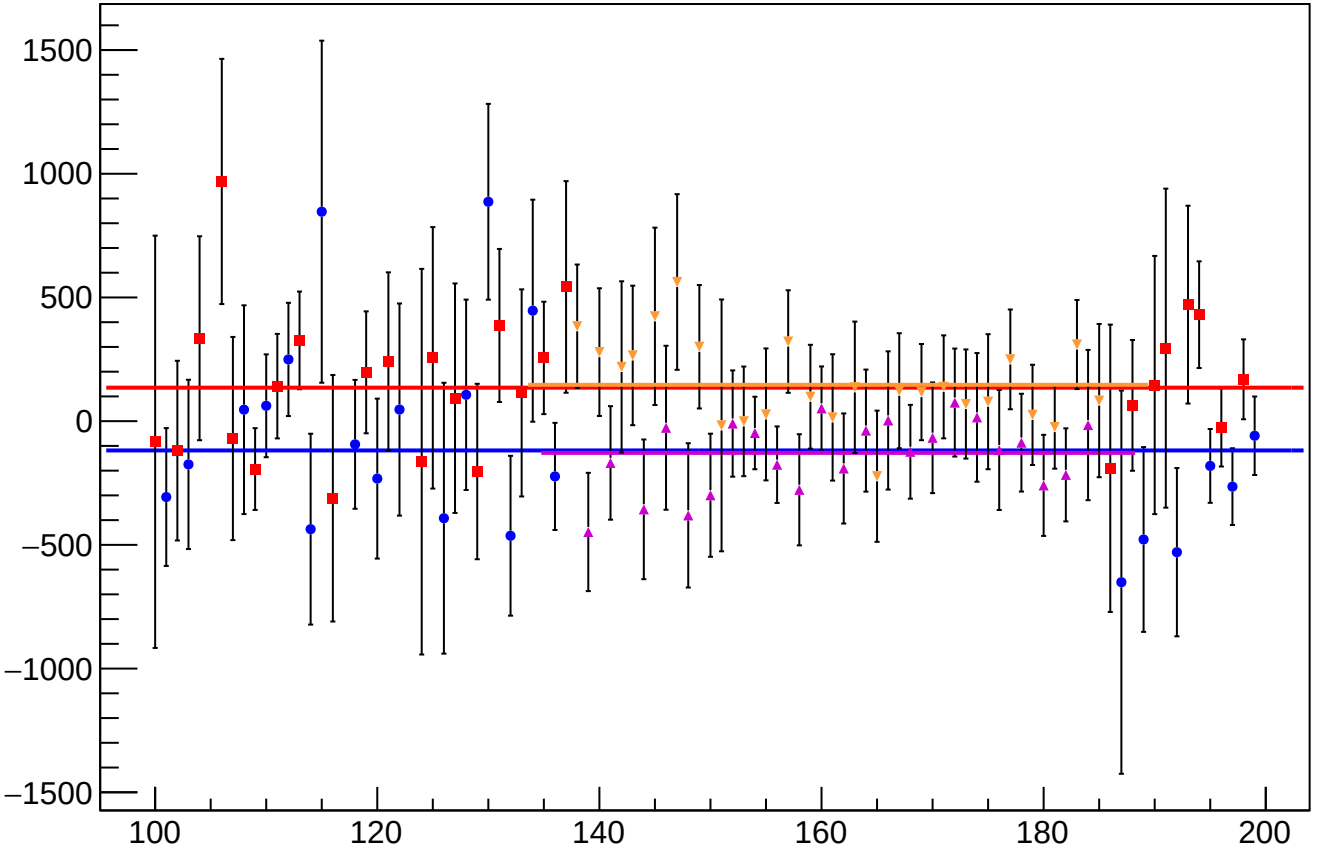
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 189.574+/-0.025 χ^2/NDF: 4043413.2/46

All: 183.622+/-0.017 χ^2/NDF: 8626586.9/96

- sign 178.258+/-0.024 χ^2/NDF: 4477601.6/49

asym_bcm_dg_us_mean vs Slug



Right In: -118.351+/-57.354 χ^2/NDF: 21.0/21

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 135.405+/-55.372 χ^2/NDF: 16.8/26

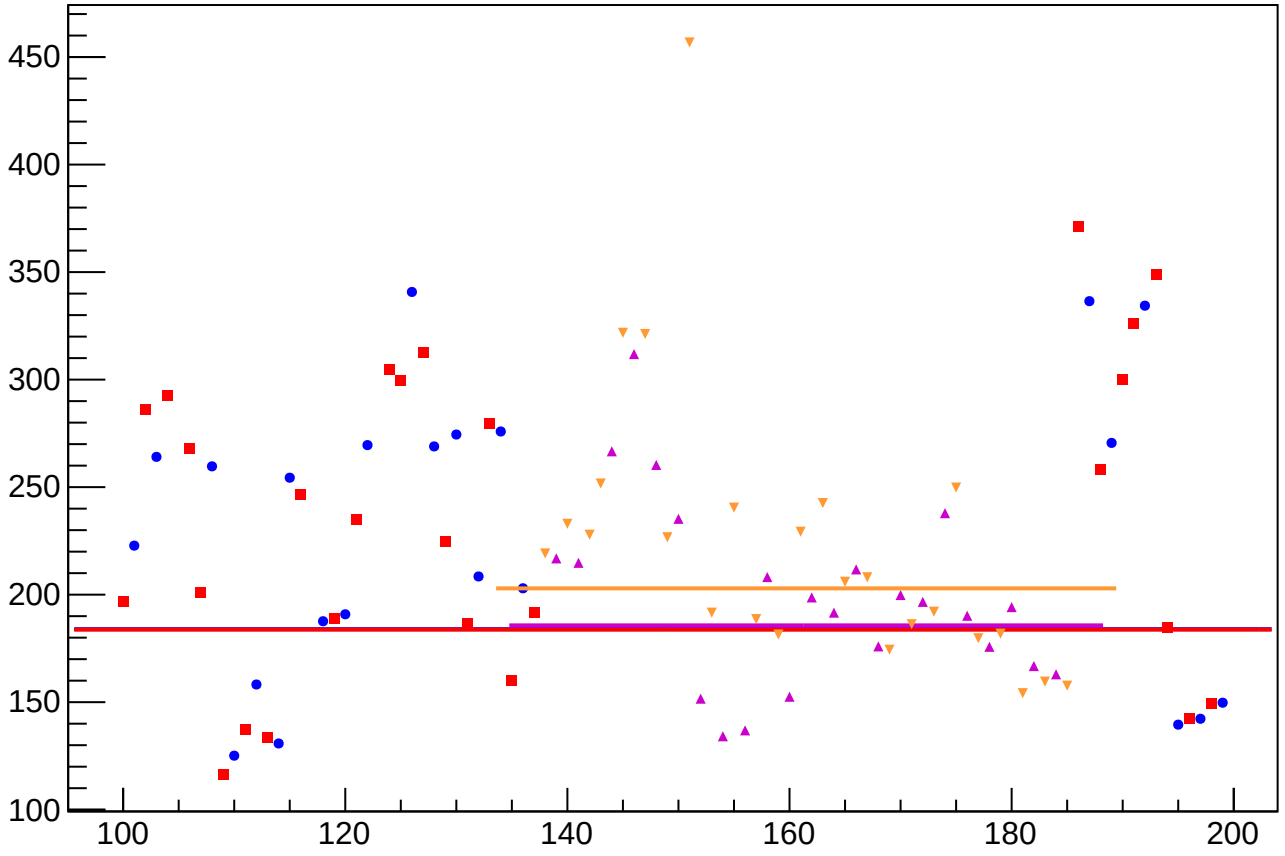
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 38.466+/-36.678 χ^2/NDF: 43.8/46

All: 6.432+/-25.327 χ^2/NDF: 84.2/96

- sign -22.763+/-35.015 χ^2/NDF: 39.0/49

asym_bcm_dg_us_rms vs Slug



Right In: 183.939+/-0.041 χ^2/NDF: 2006797.9/21

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 183.759+/-0.039 χ^2/NDF: 2576520.9/26

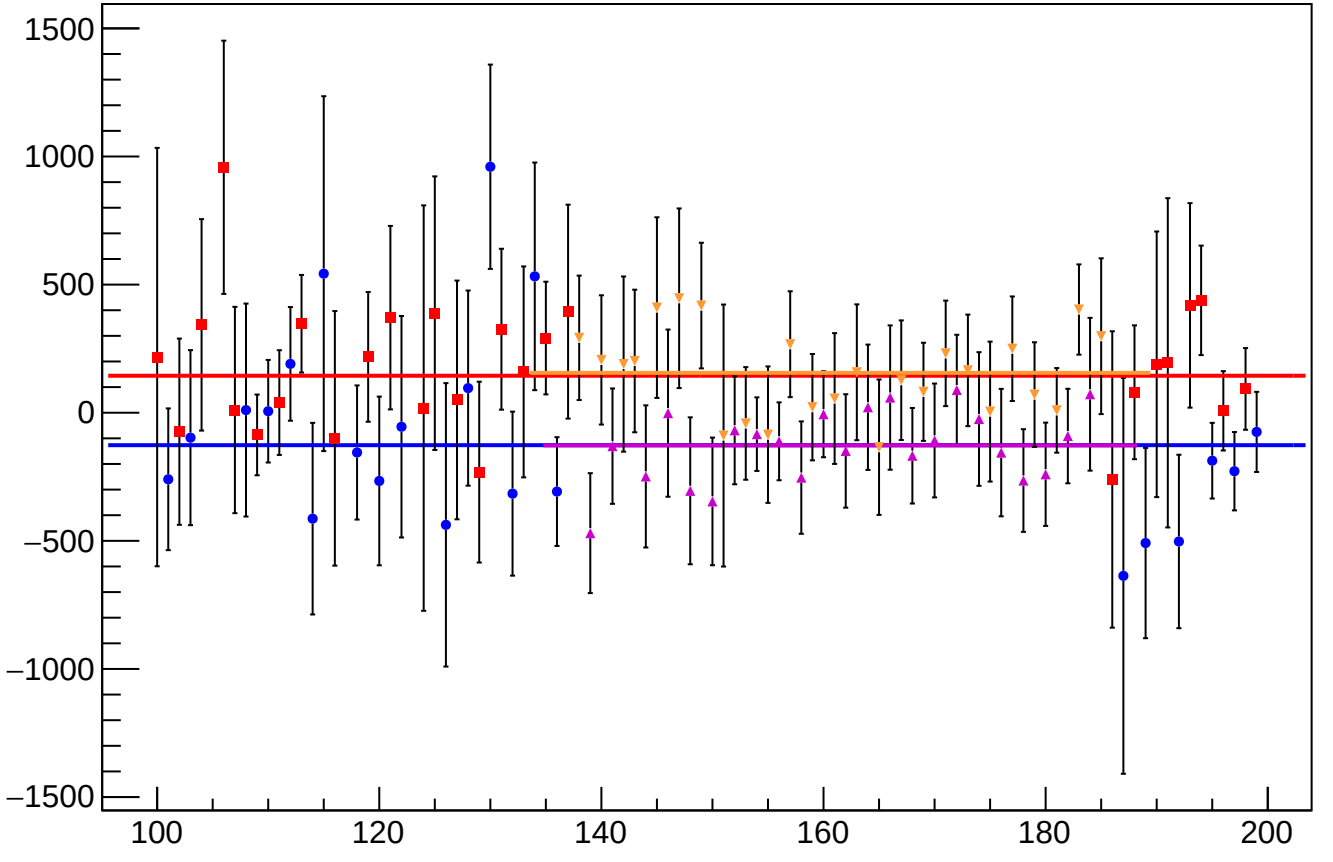
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 195.158+/-0.026 χ^2/NDF: 3836386.4/46

All: 189.808+/-0.018 χ^2/NDF: 7985202.4/96

- sign 184.933+/-0.025 χ^2/NDF: 4067507.5/49

asym_bcm_dg_ds_mean vs Slug



Right In: -126.634+/-56.633 χ^2/NDF: 19.4/21

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 144.370+/-54.417 χ^2/NDF: 14.1/26

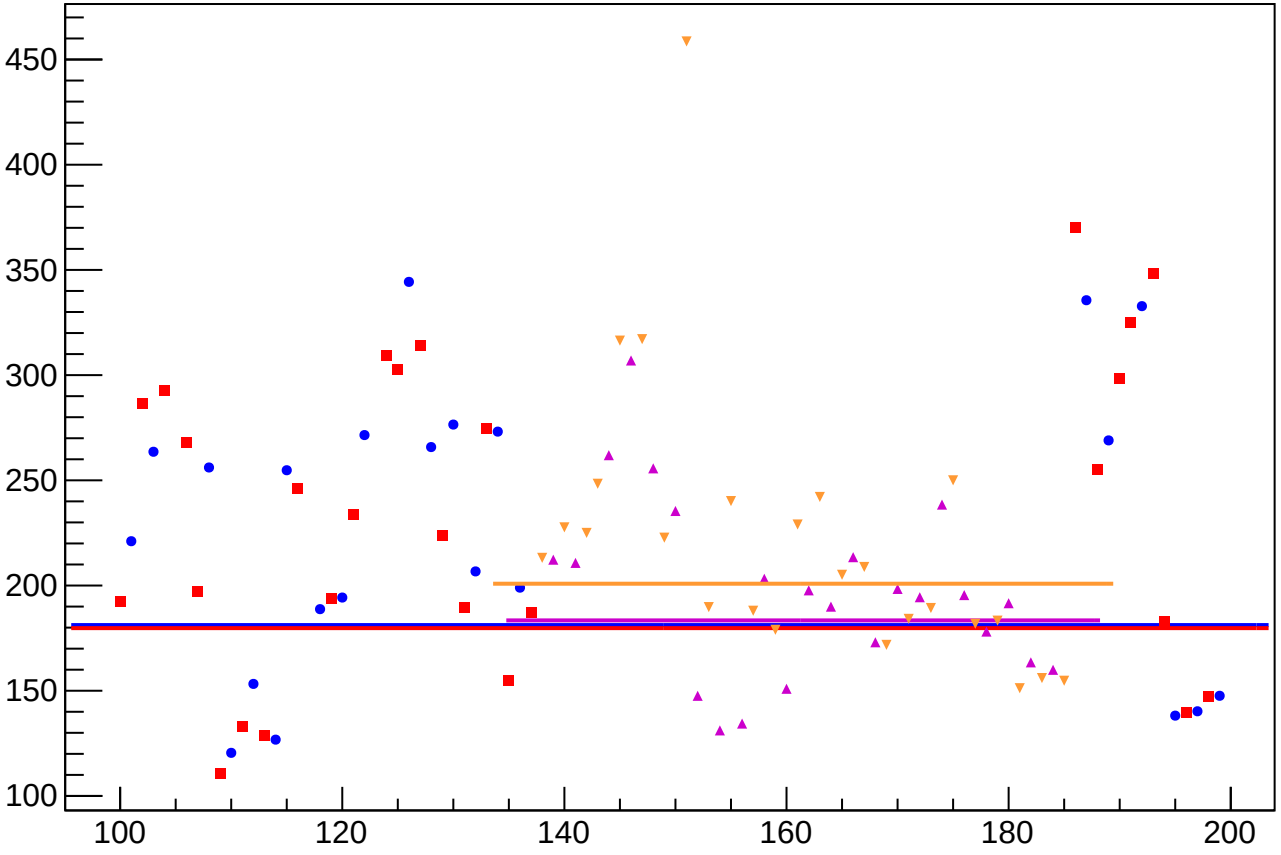
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 39.758+/-36.287 χ^2/NDF: 44.7/46

All: 9.421+/-25.018 χ^2/NDF: 83.0/96

- sign -18.064+/-34.540 χ^2/NDF: 37.0/49

asym_bcm_dg_ds_rms vs Slug



Right In: 181.207+/-0.040 χ^2/NDF: 2093672.8/21

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 179.753+/-0.038 χ^2/NDF: 2763319.8/26

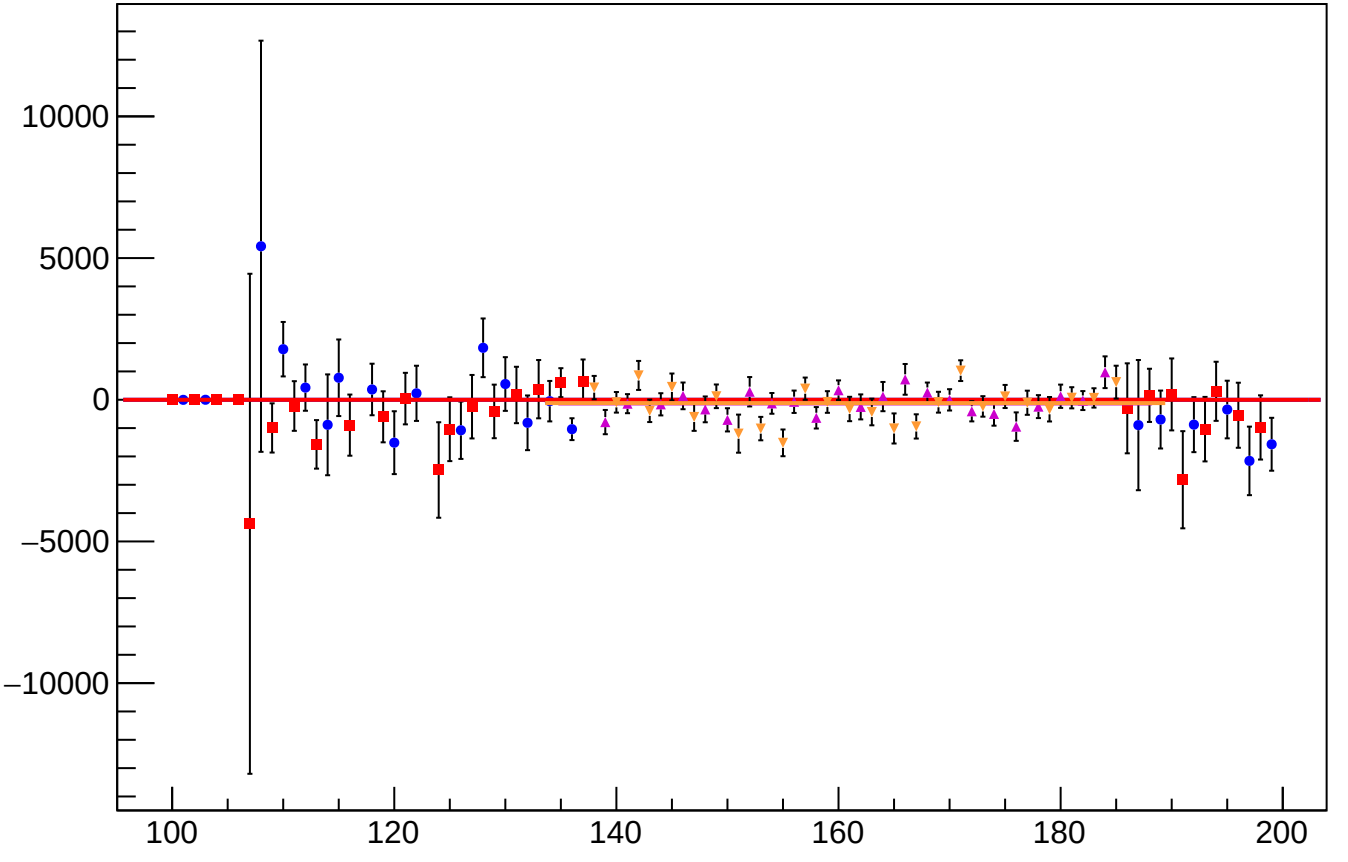
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

\+ sign 192.794+/-0.026 χ^2/NDF: 3963113.9/46

All: 187.105+/-0.018 χ^2/NDF: 8356276.2/96

\- sign 181.951+/-0.024 χ^2/NDF: 4299459.9/49

asym_cav4bQ_mean vs Slug



Right In: -1.264+/-2.171 χ^2/NDF: 27.5/21

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.388+/-2.022 χ^2/NDF: 21.5/26

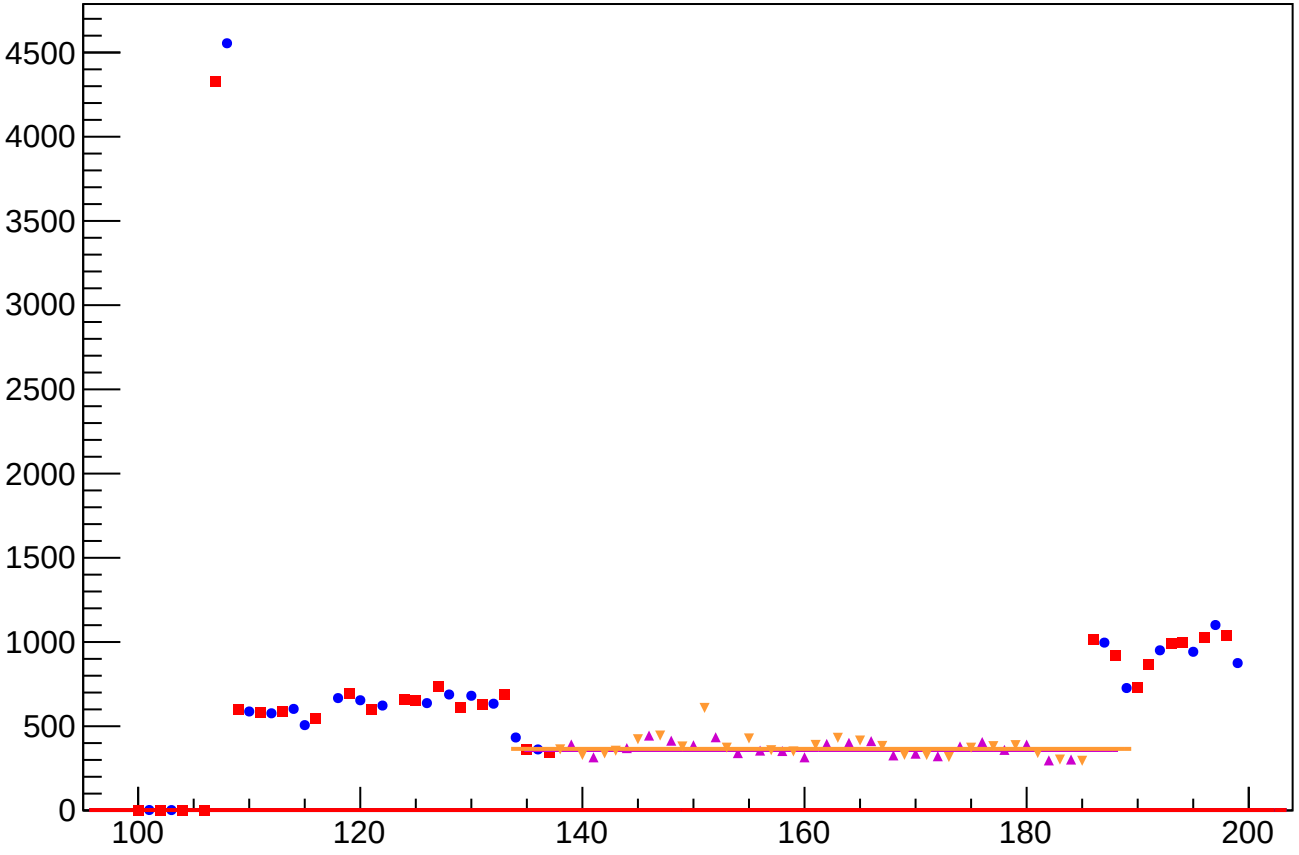
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.341+/-2.170 χ^2/NDF: 75.7/46

All: -1.405+/-1.479 χ^2/NDF: 121.2/96

- sign -1.460+/-2.022 χ^2/NDF: 45.5/49

asym_cav4bQ_rms vs Slug



Right In: 2.498+/-0.002 χ^2/NDF: 20016561.2/21

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.484+/-0.001 χ^2/NDF: 21999889.0/26

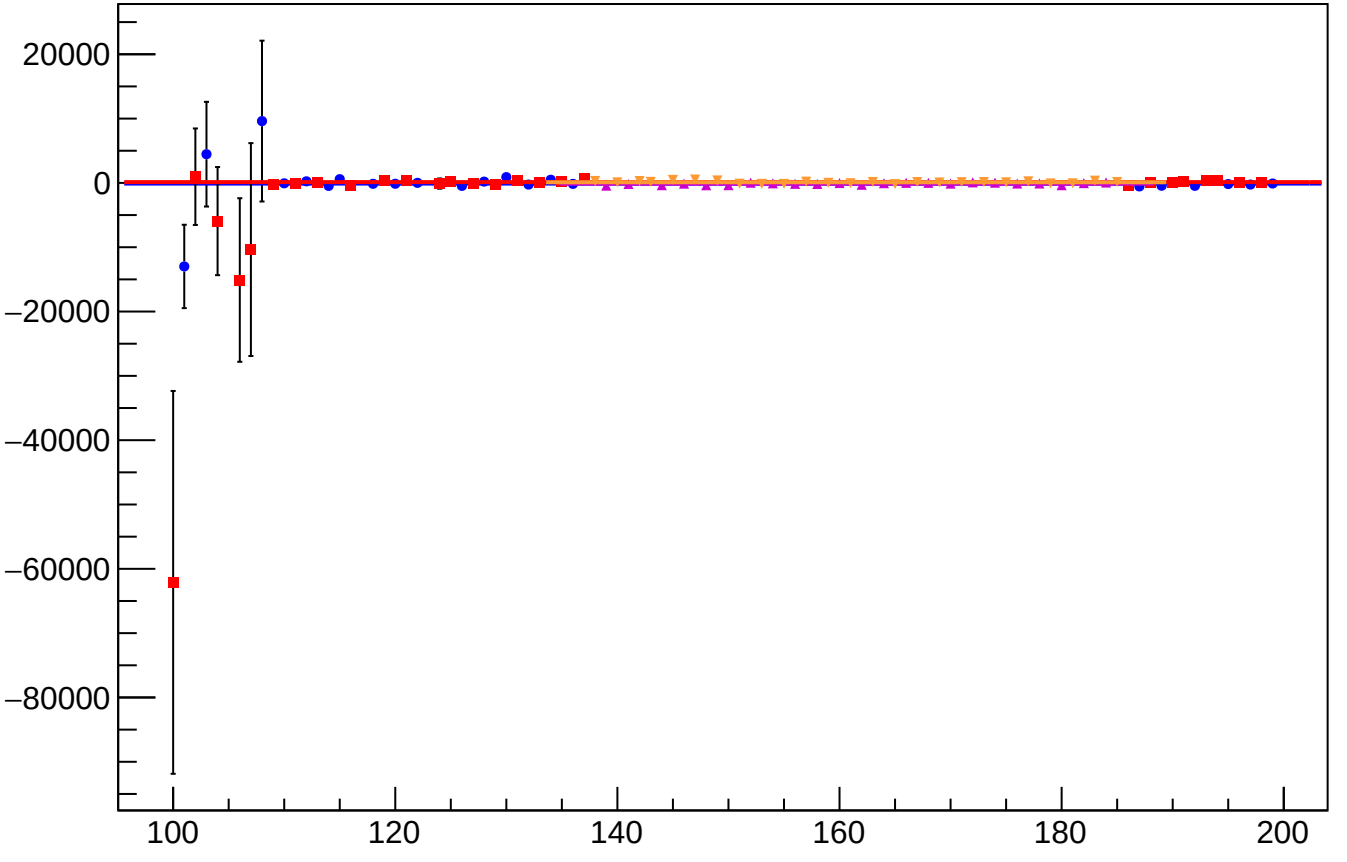
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

\+ sign 2.739+/-0.002 χ^2/NDF: 57847109.9/46

All: 2.711+/-0.001 χ^2/NDF: 115401374.7/96

\- sign 2.686+/-0.001 χ^2/NDF: 57553614.4/49

asym_cav4cQ_mean vs Slug



Right In: -105.412+/-62.640 χ^2/NDF: 21.4/21

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 123.060+/-61.480 χ^2/NDF: 18.1/26

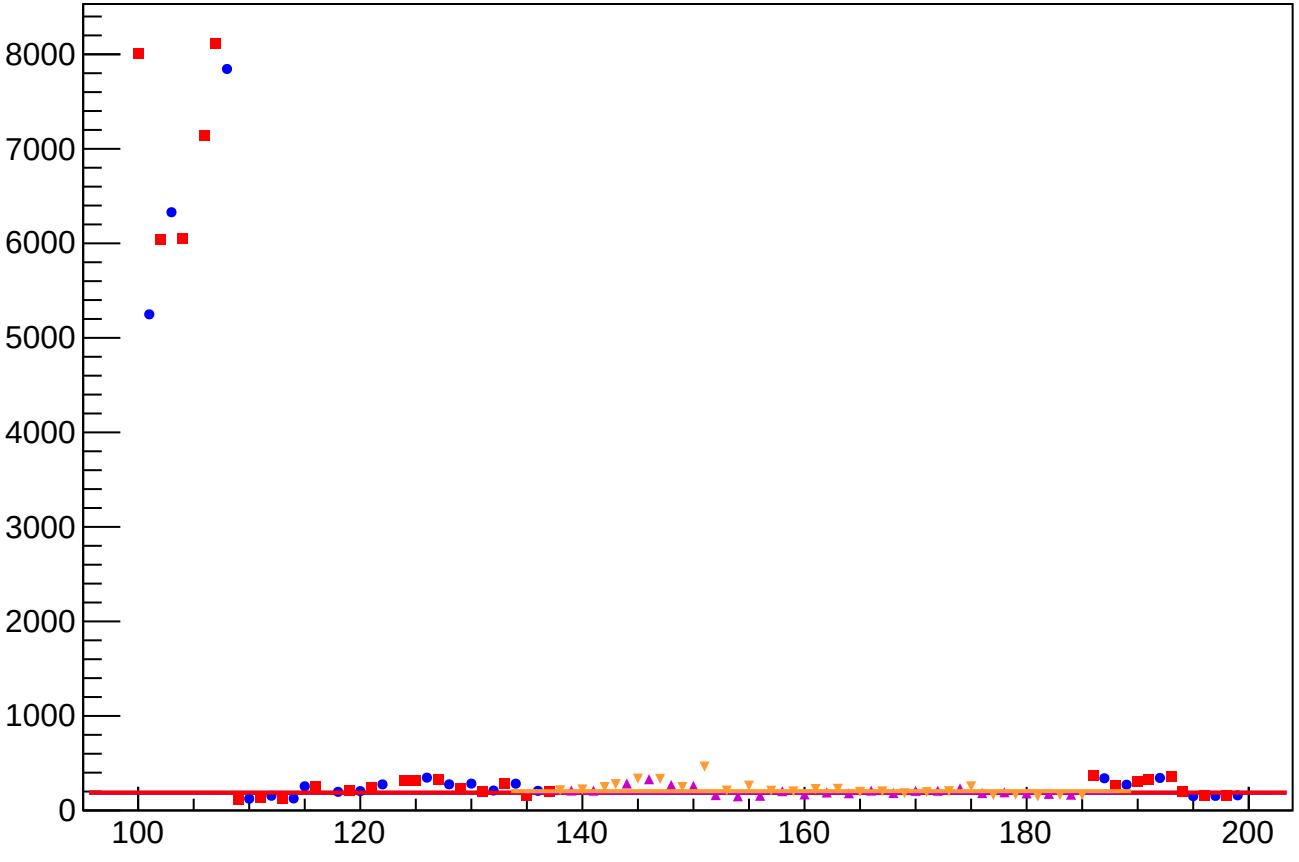
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 23.258+/-38.225 χ^2/NDF: 40.9/46

All: -4.029+/-26.702 χ^2/NDF: 79.1/96

- sign -30.037+/-37.317 χ^2/NDF: 37.2/49

asym_cav4cQ_rms vs Slug



Right In: 187.245+/-0.044 χ^2/NDF: 4791191.0/21

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 188.884+/-0.043 χ^2/NDF: 5454177.2/26

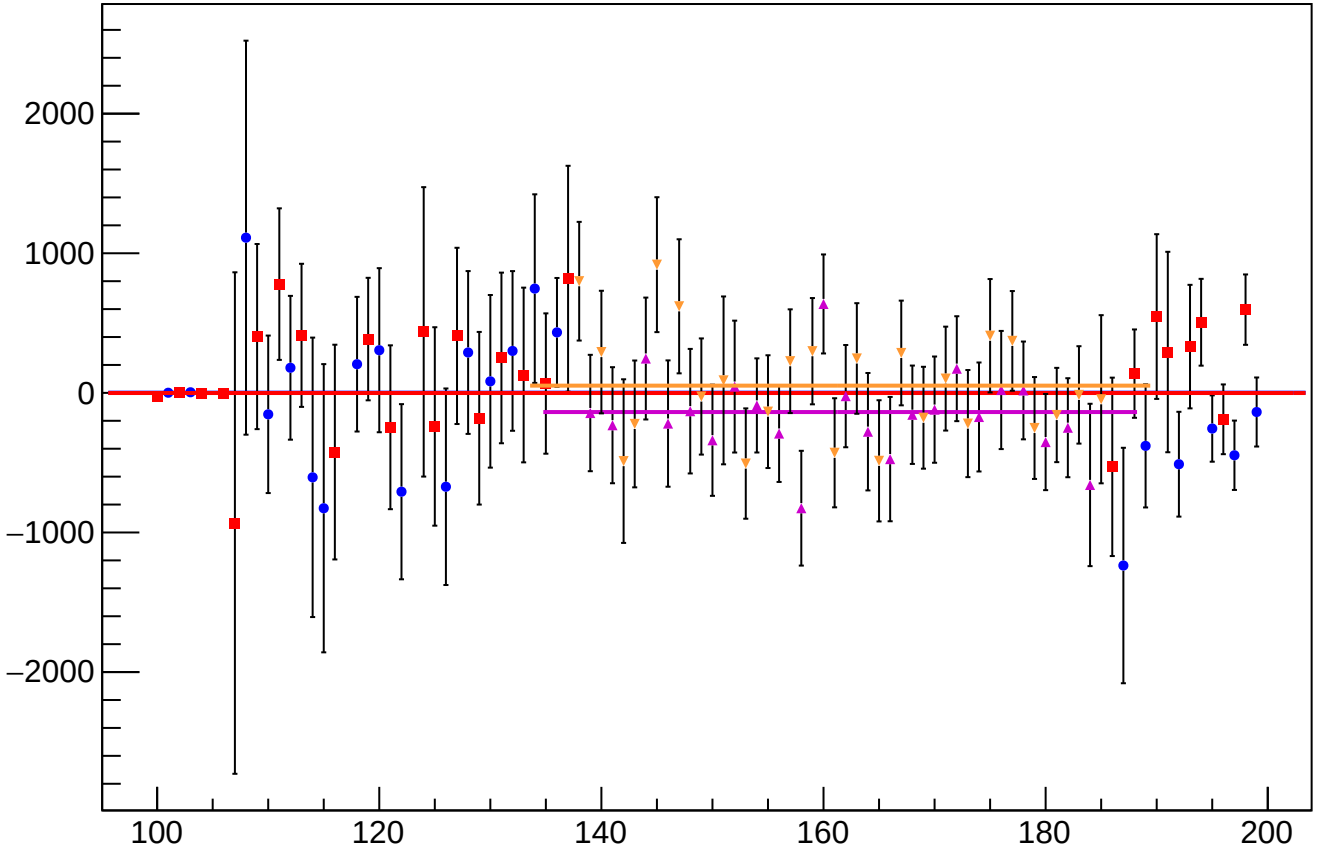
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 198.125+/-0.027 χ^2/NDF: 6862454.7/46

All: 195.014+/-0.019 χ^2/NDF: 13542490.8/96

- sign 192.049+/-0.026 χ^2/NDF: 6654159.0/49

asym_cav4dQ_mean vs Slug



Right In: 1.397+/-1.660 χ^2/NDF: 17.4/21

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.057+/-1.528 χ^2/NDF: 20.5/26

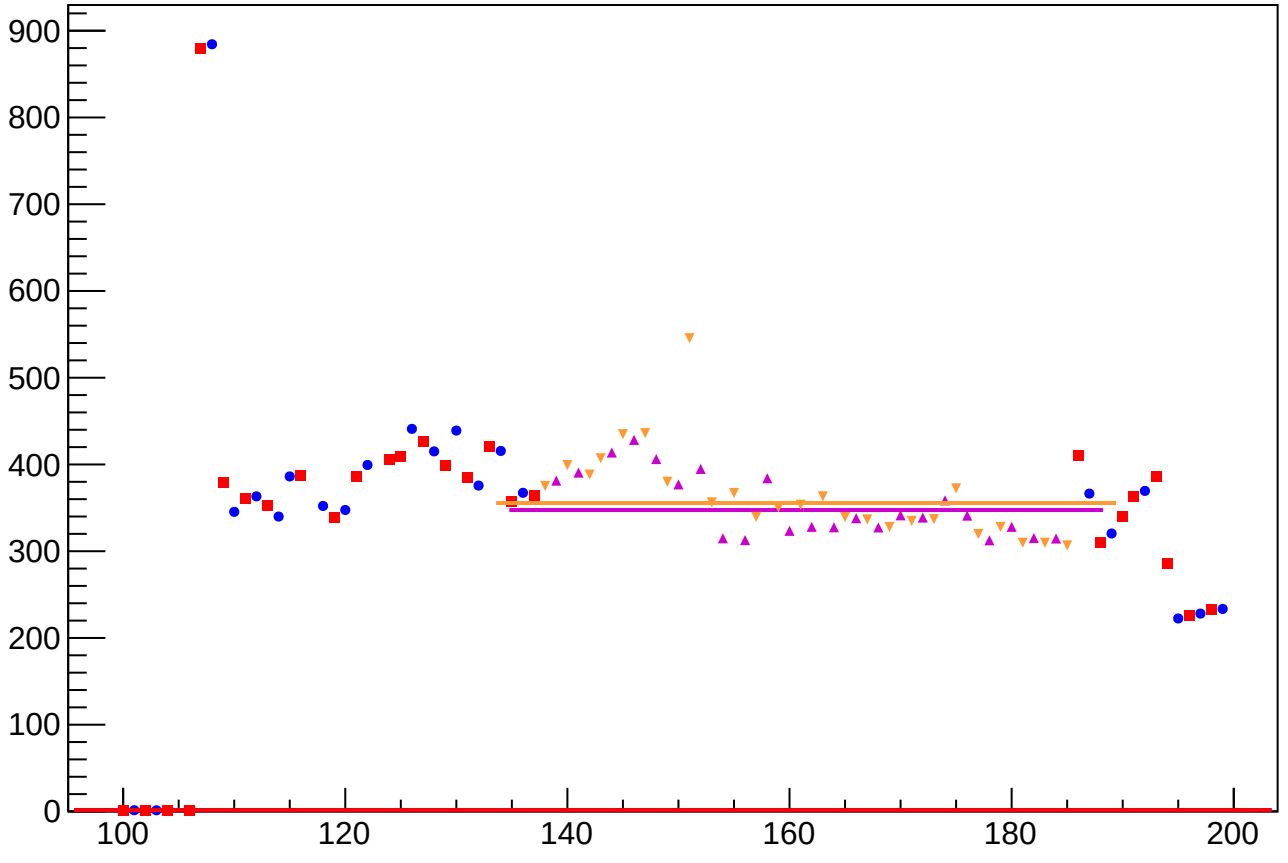
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.417+/-1.660 χ^2/NDF: 37.2/46

All: 0.052+/-1.124 χ^2/NDF: 73.9/96

- sign -1.104+/-1.527 χ^2/NDF: 35.4/49

asym_cav4dQ_rms vs Slug



Right In: 1.515+/-0.001 χ^2/NDF: 20233057.2/21

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.509+/-0.001 χ^2/NDF: 21643009.9/26

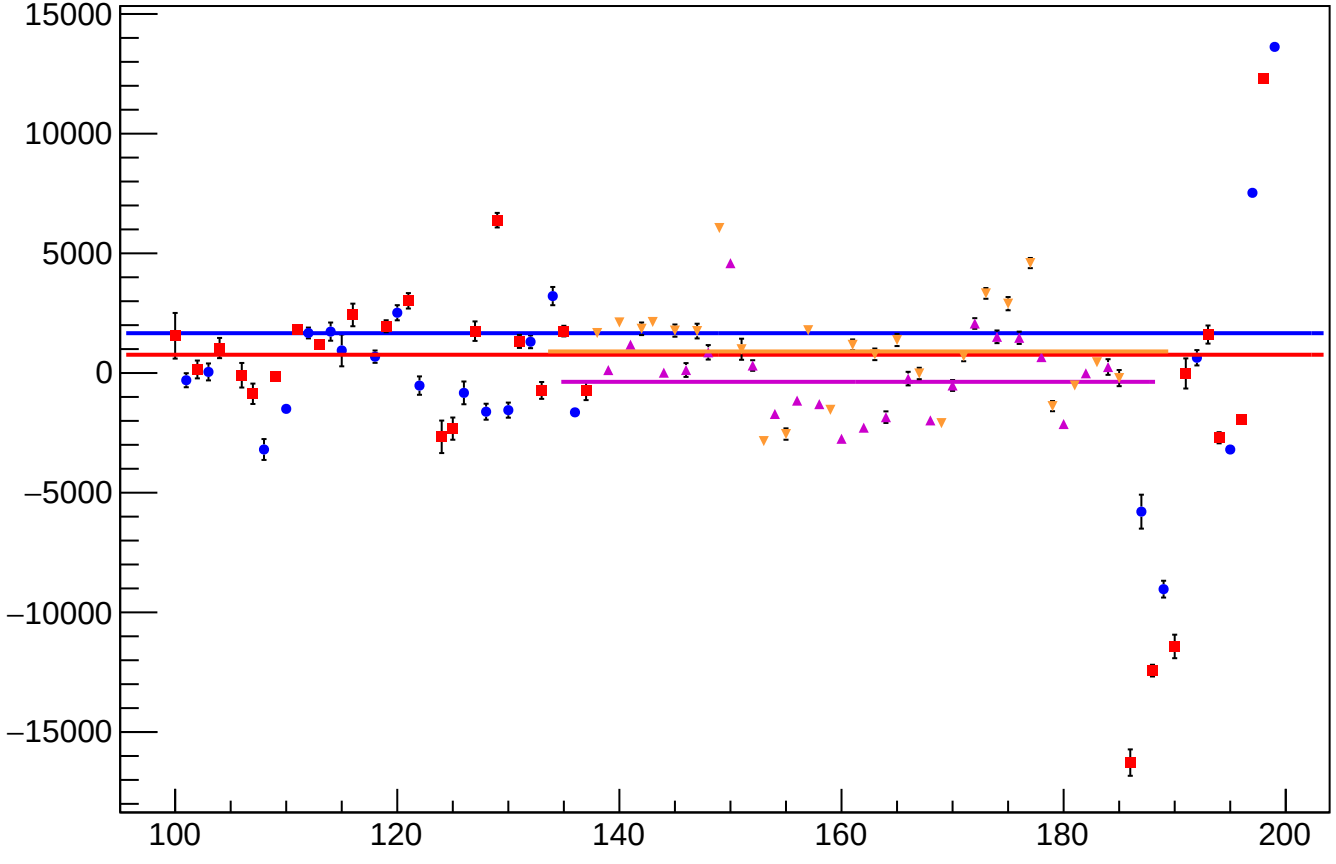
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.661+/-0.001 χ^2/NDF: 58432848.9/46

All: 1.644+/-0.001 χ^2/NDF: 115915822.9/96

- sign 1.629+/-0.001 χ^2/NDF: 57482554.8/49

asym_bcm0l02_mean vs Slug



Right In: 1663.750+/-58.110 χ^2/NDF: 8590.6/21

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 763.581+/-55.388 χ^2/NDF: 9888.9/26

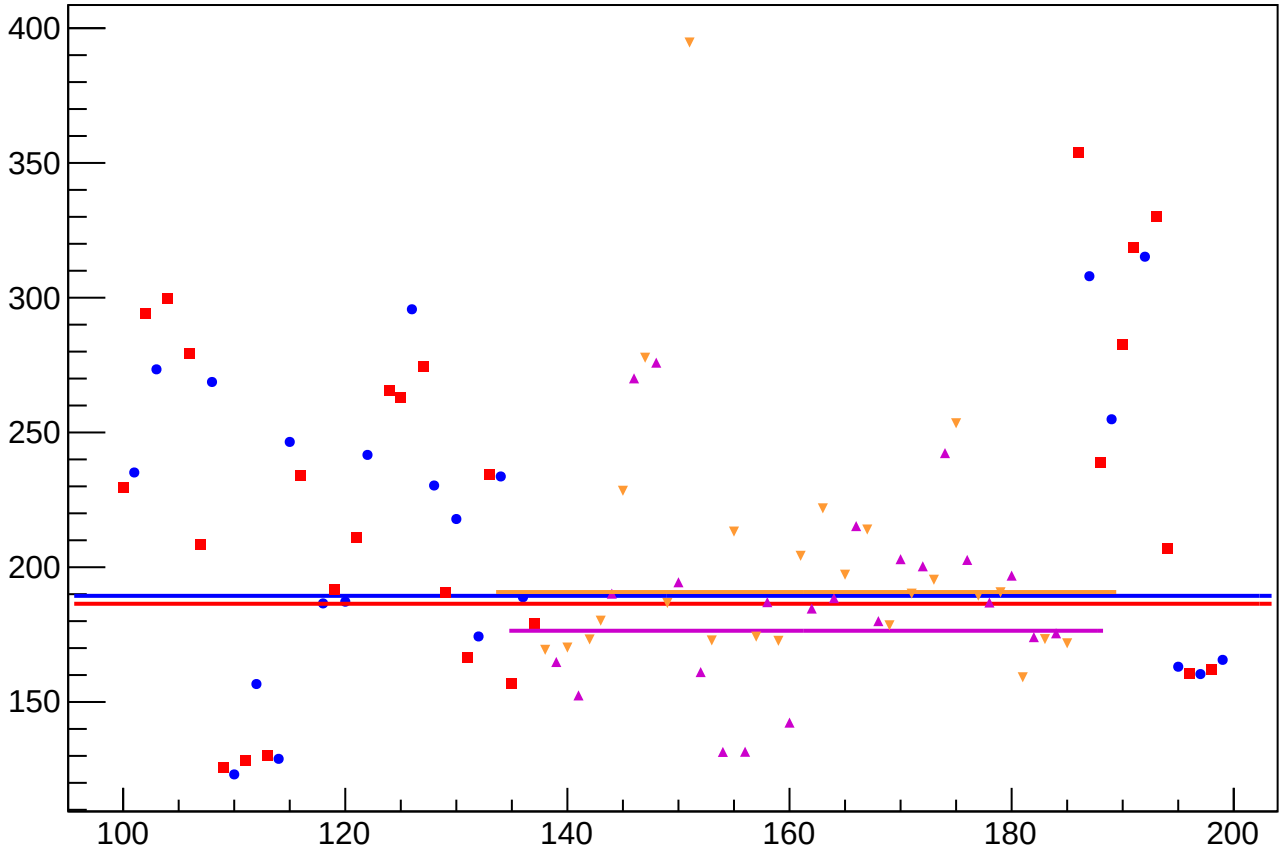
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 1183.105+/-35.321 χ^2/NDF: 11110.0/46

All: 593.829+/-24.427 χ^2/NDF: 23387.3/96

- sign 53.659+/-33.817 χ^2/NDF: 11743.8/49

asym_bcm0l02_rms vs Slug



Right In: 189.384+/-0.041 χ^2/NDF: 1333838.8/21

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 186.443+/-0.039 χ^2/NDF: 2087336.6/26

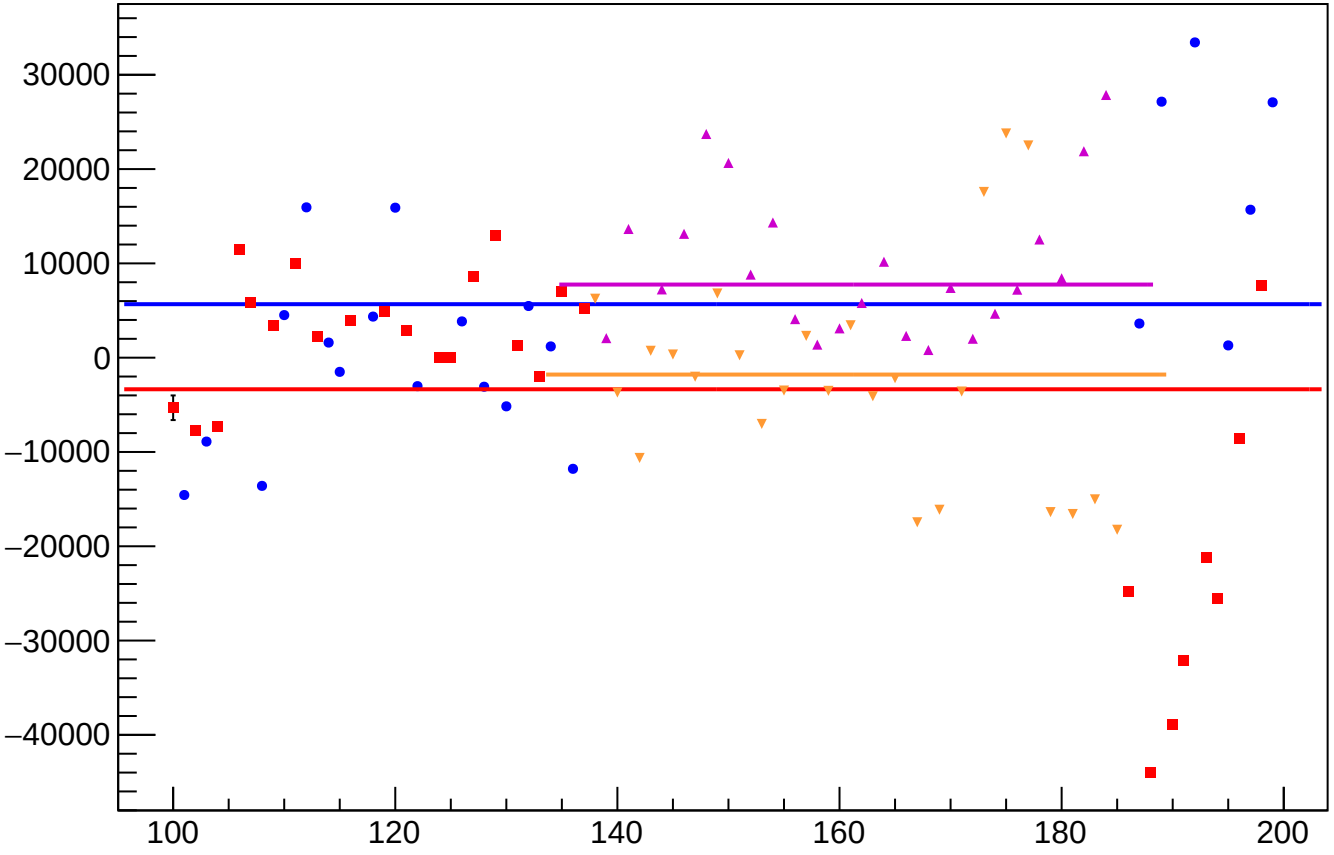
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 190.277+/-0.025 χ^2/NDF: 2354187.2/46

All: 185.000+/-0.017 χ^2/NDF: 5825728.4/96

- sign 180.163+/-0.024 χ^2/NDF: 3385979.6/49

asym_bpm0i02WS_mean vs Slug



Right In: 5672.826+/-45.683 χ^2/NDF: 88161.5/21

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3350.445+/-43.214 χ^2/NDF: 132392.9/26

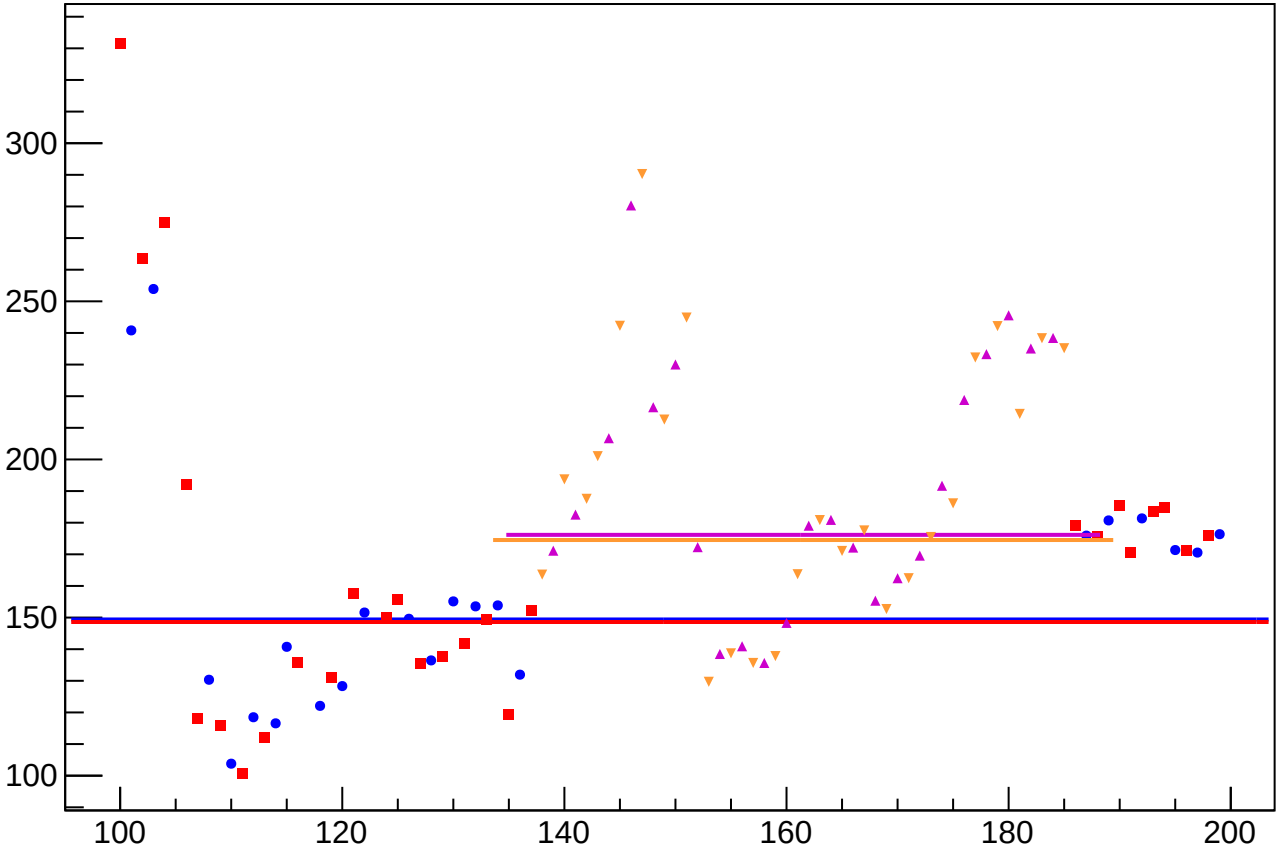
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1531.157+/-30.476 χ^2/NDF: 168718.5/46

All: 1910.024+/-21.497 χ^2/NDF: 358210.1/96

- sign 2285.196+/-30.327 χ^2/NDF: 189184.0/49

asym_bpm0i02WS_rms vs Slug



Right In: 149.398+/-0.032 χ^2/NDF: 931644.4/21

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 148.601+/-0.031 χ^2/NDF: 1320529.1/26

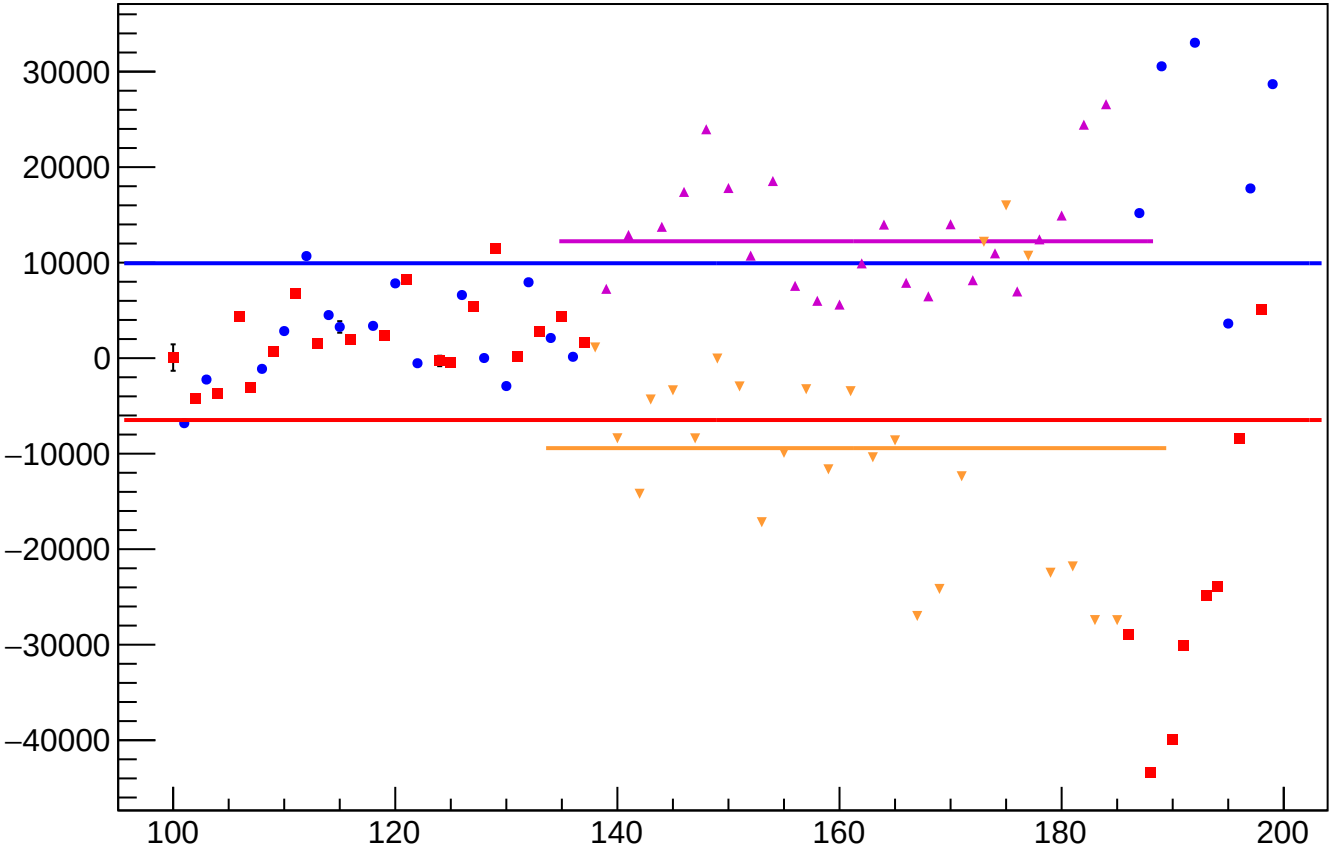
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 163.340+/-0.022 χ^2/NDF: 2926788.4/46

All: 162.960+/-0.015 χ^2/NDF: 6027640.3/96

- sign 162.584+/-0.021 χ^2/NDF: 3100234.3/49

asym_bpm0i02aWS_mean vs Slug



Right In: 9936.995+/-53.730 χ^2/NDF: 48089.5/21

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6477.338+/-50.329 χ^2/NDF: 102141.8/26

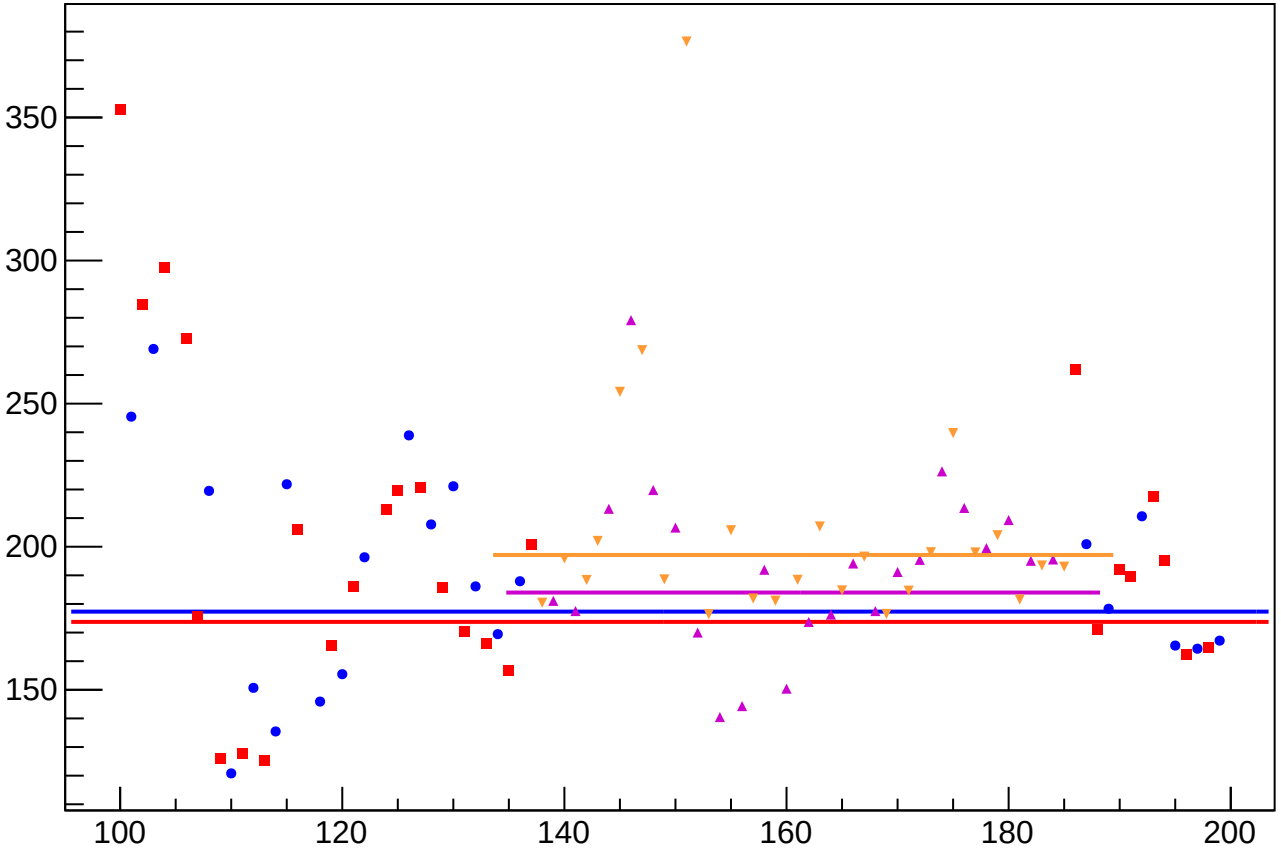
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -1295.212+/-34.810 χ^2/NDF: 188121.7/46

All: 1524.189+/-24.028 χ^2/NDF: 396890.7/96

- sign 4090.120+/-33.209 χ^2/NDF: 196238.9/49

asym_bpm0i02aWS_rms vs Slug



Right In: 177.321+/-0.038 χ^2/NDF: 754745.1/21

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.735+/-0.036 χ^2/NDF: 1192524.8/26

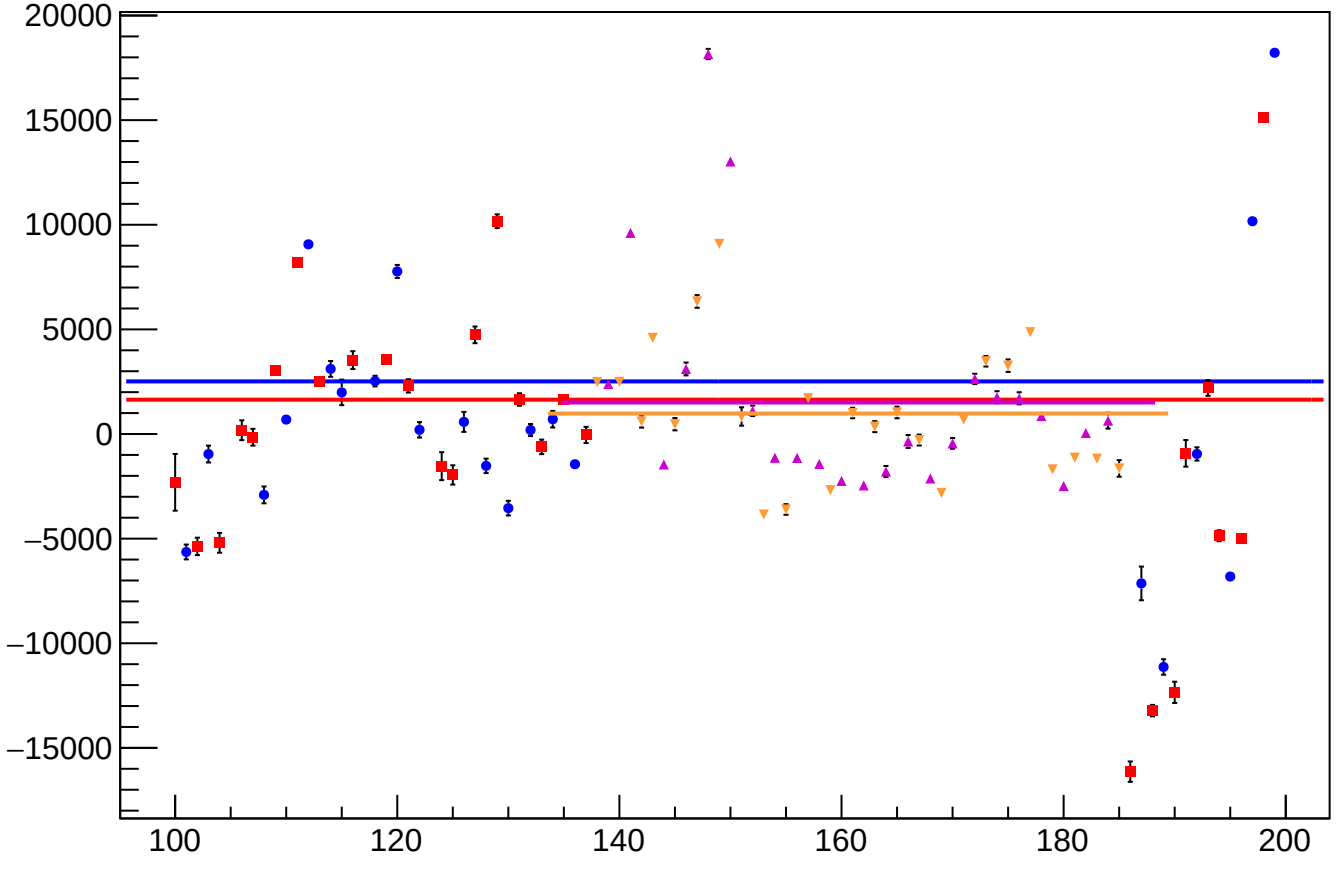
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.811+/-0.025 χ^2/NDF: 1644888.6/46

All: 183.948+/-0.017 χ^2/NDF: 3788587.6/96

- sign 179.522+/-0.023 χ^2/NDF: 2069147.4/49

asym_bpm0i05WS_mean vs Slug



Right In: 2513.668+/-60.682 χ^2/NDF: 14941.9/21

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1640.511+/-57.121 χ^2/NDF: 14242.7/26

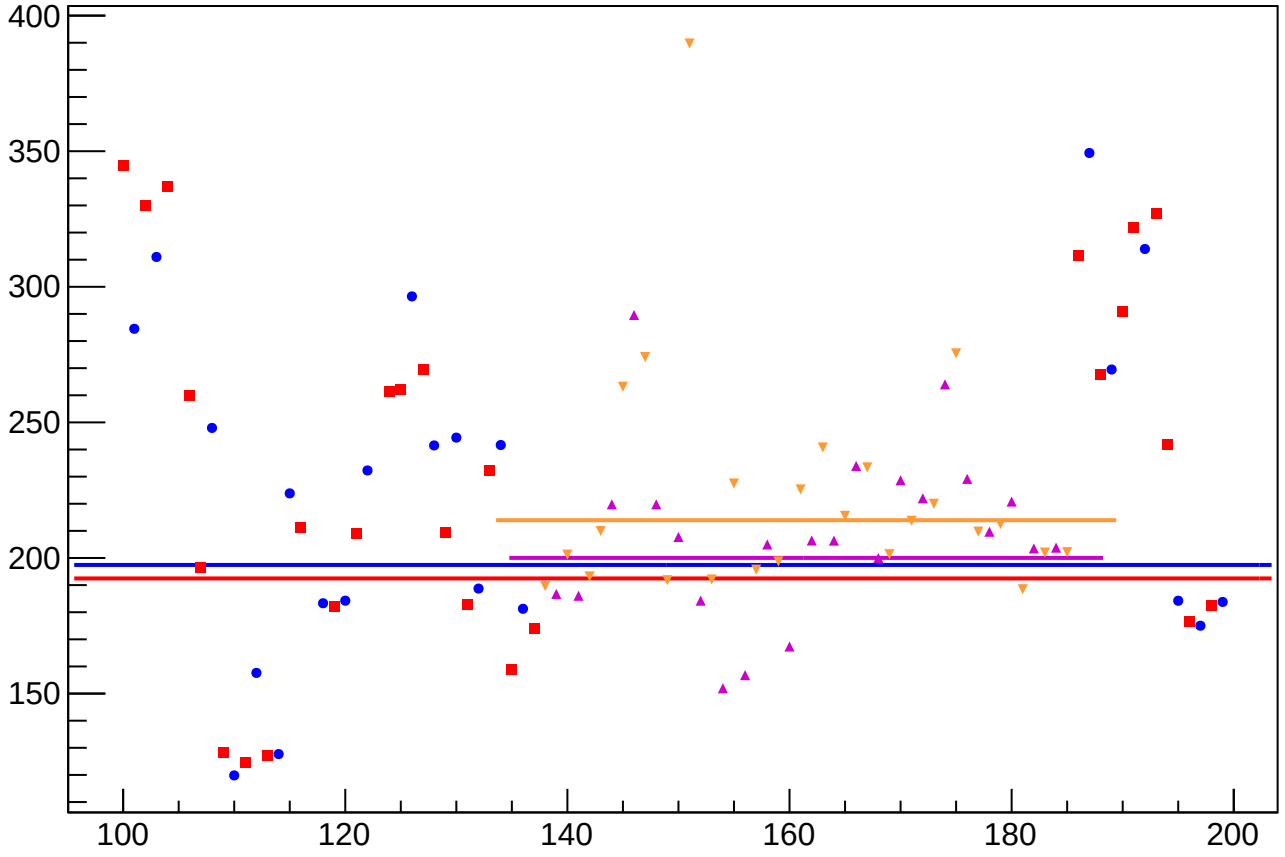
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1593.420+/-38.407 χ^2/NDF: 19648.5/46

All: 1576.615+/-26.560 χ^2/NDF: 45375.4/96

- sign 1561.210+/-36.771 χ^2/NDF: 25726.6/49

asym_bpm0i05WS_rms vs Slug



Right In: 197.434+/-0.043 χ^2/NDF: 1429382.0/21

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

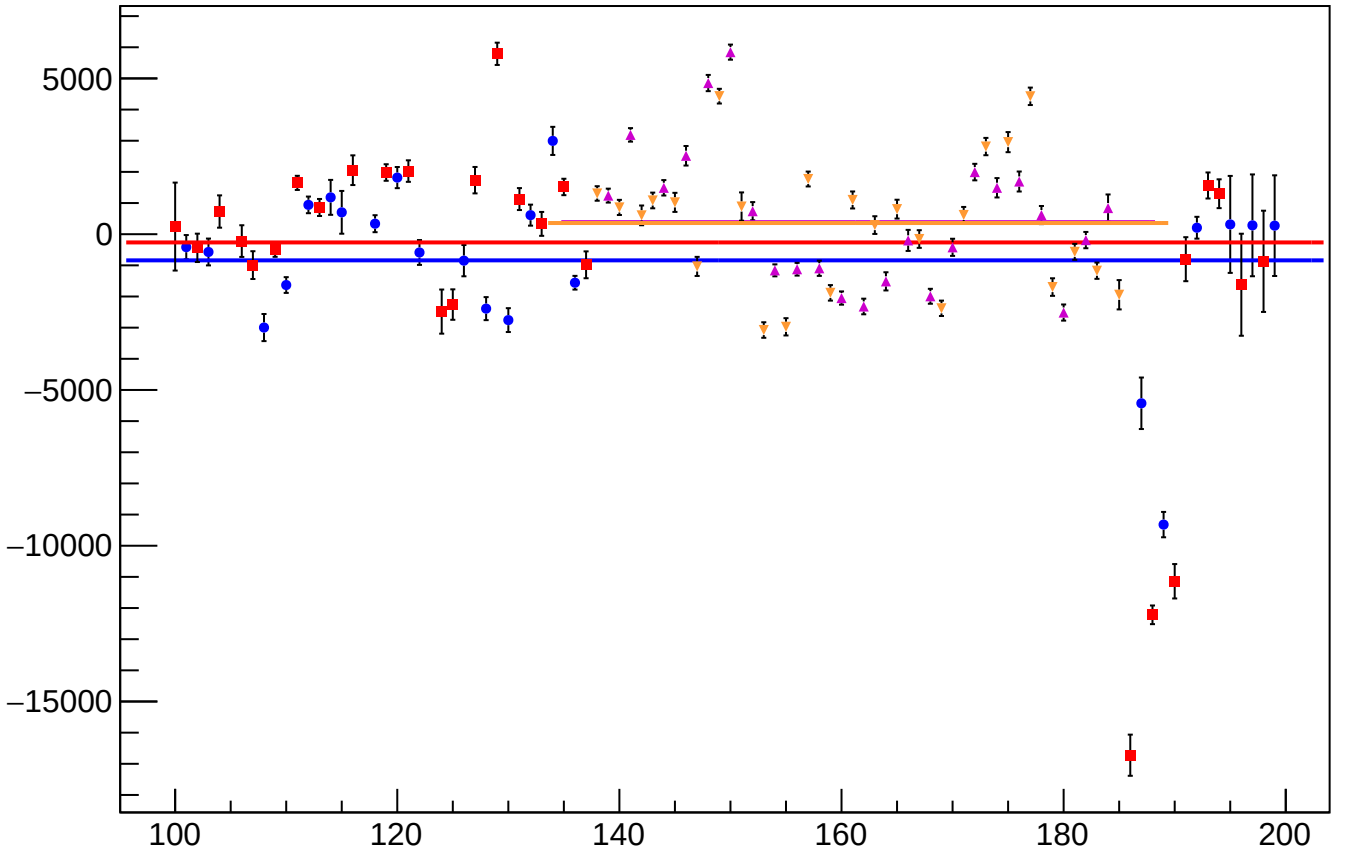
Right Out: 192.459+/-0.040 χ^2/NDF: 2232948.7/26

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 207.323+/-0.027 χ^2/NDF: 2251624.6/46

All: 201.881+/-0.019 χ^2/NDF: 5367626.2/96

- sign 196.893+/-0.026 χ^2/NDF: 3039050.6/49



Right In: -839.901+/-81.677 χ^2/NDF: 797.8/21

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -264.489+/-74.026 χ^2/NDF: 3268.9/26

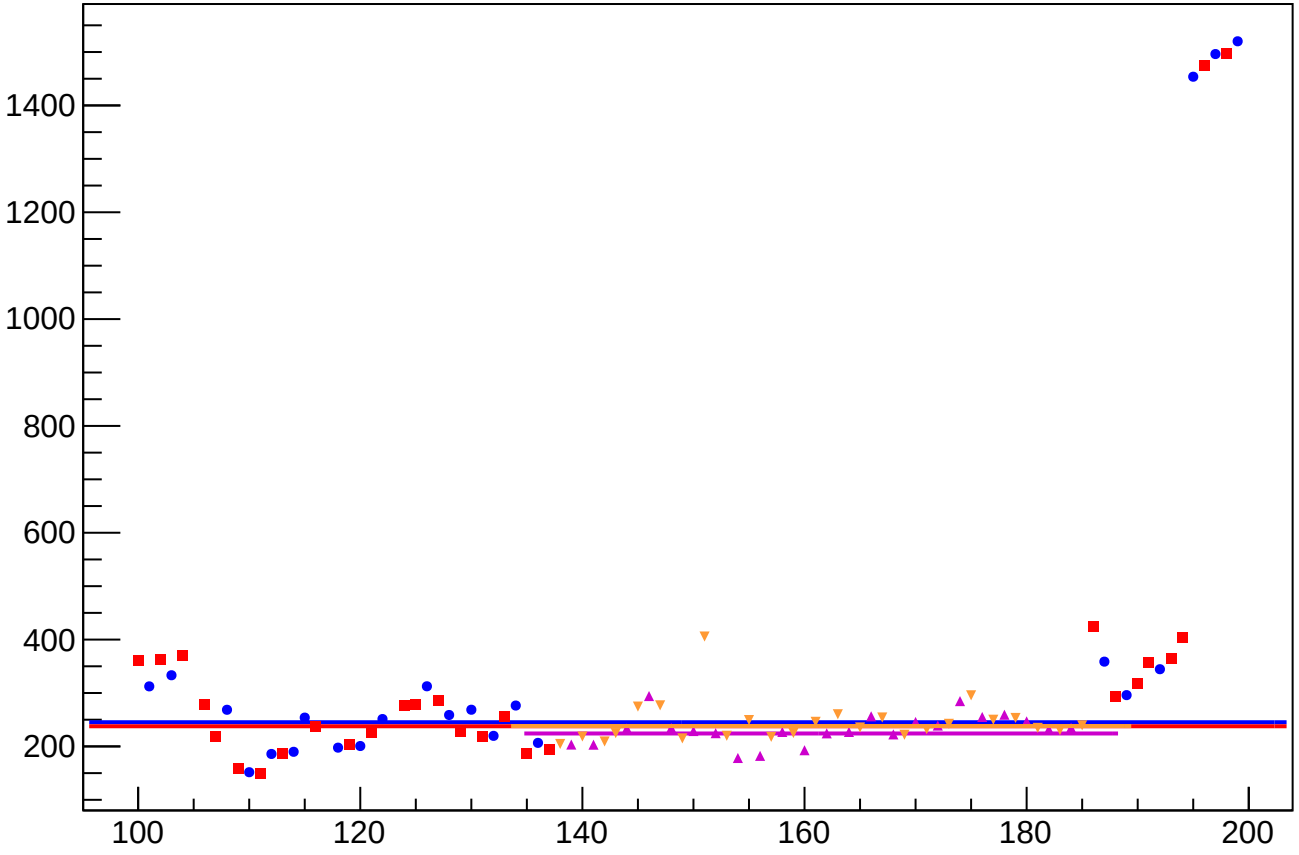
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.172+/-45.616 χ^2/NDF: 2364.8/46

All: 78.540+/-31.434 χ^2/NDF: 7496.7/96

- sign 163.275+/-43.376 χ^2/NDF: 5123.9/49

asym_bpm0i07WS_rms vs Slug



Right In: 245.252+/-0.058 χ^2/NDF: 4617849.8/21

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 237.719+/-0.052 χ^2/NDF: 4253490.7/26

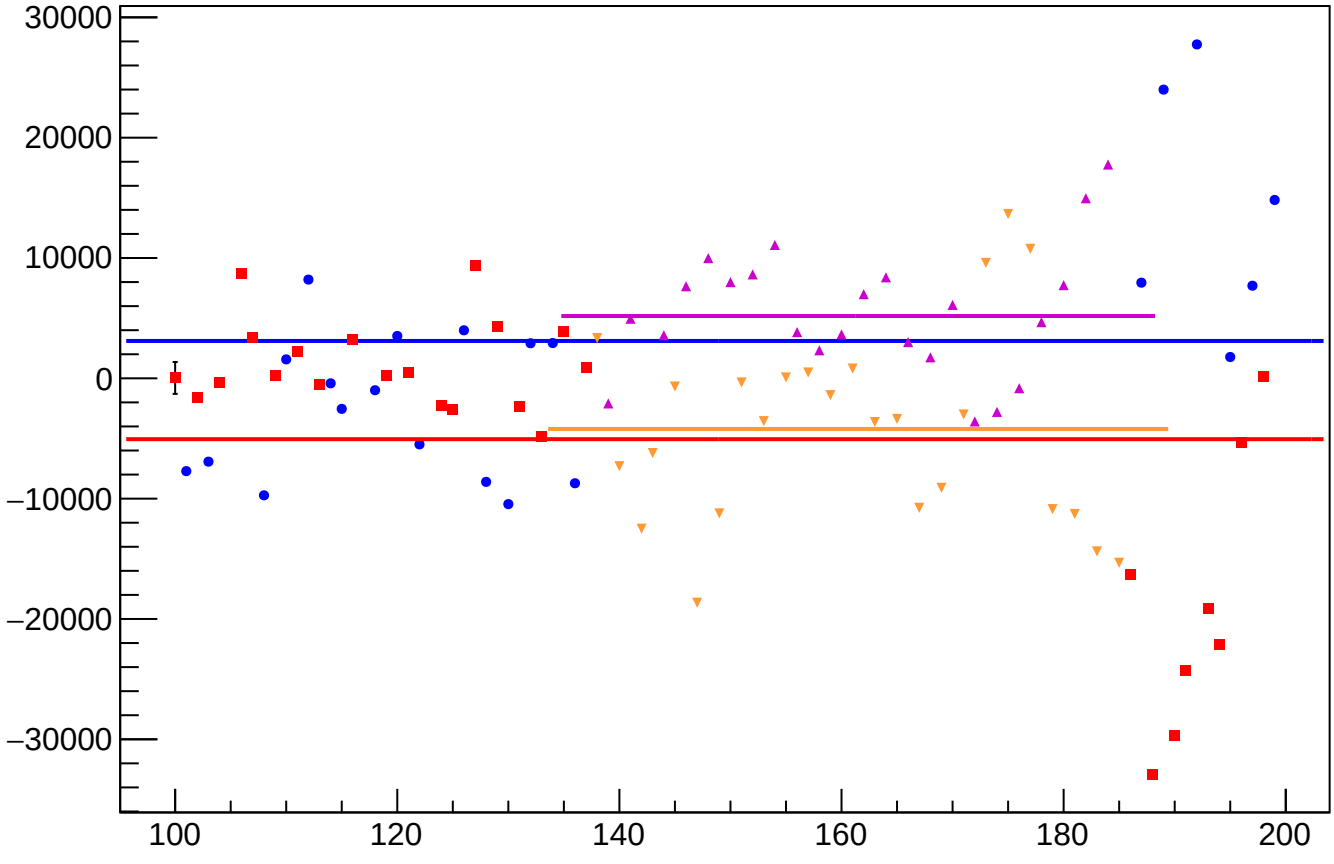
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 240.399+/-0.032 χ^2/NDF: 5196046.9/46

All: 234.334+/-0.022 χ^2/NDF: 10123822.4/96

- sign 228.849+/-0.031 χ^2/NDF: 4860442.5/49

asym_bpm1i02WS_mean vs Slug



Right In: 3106.169+/-38.783 χ^2/NDF: 75615.6/21

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5055.616+/-36.445 χ^2/NDF: 102274.1/26

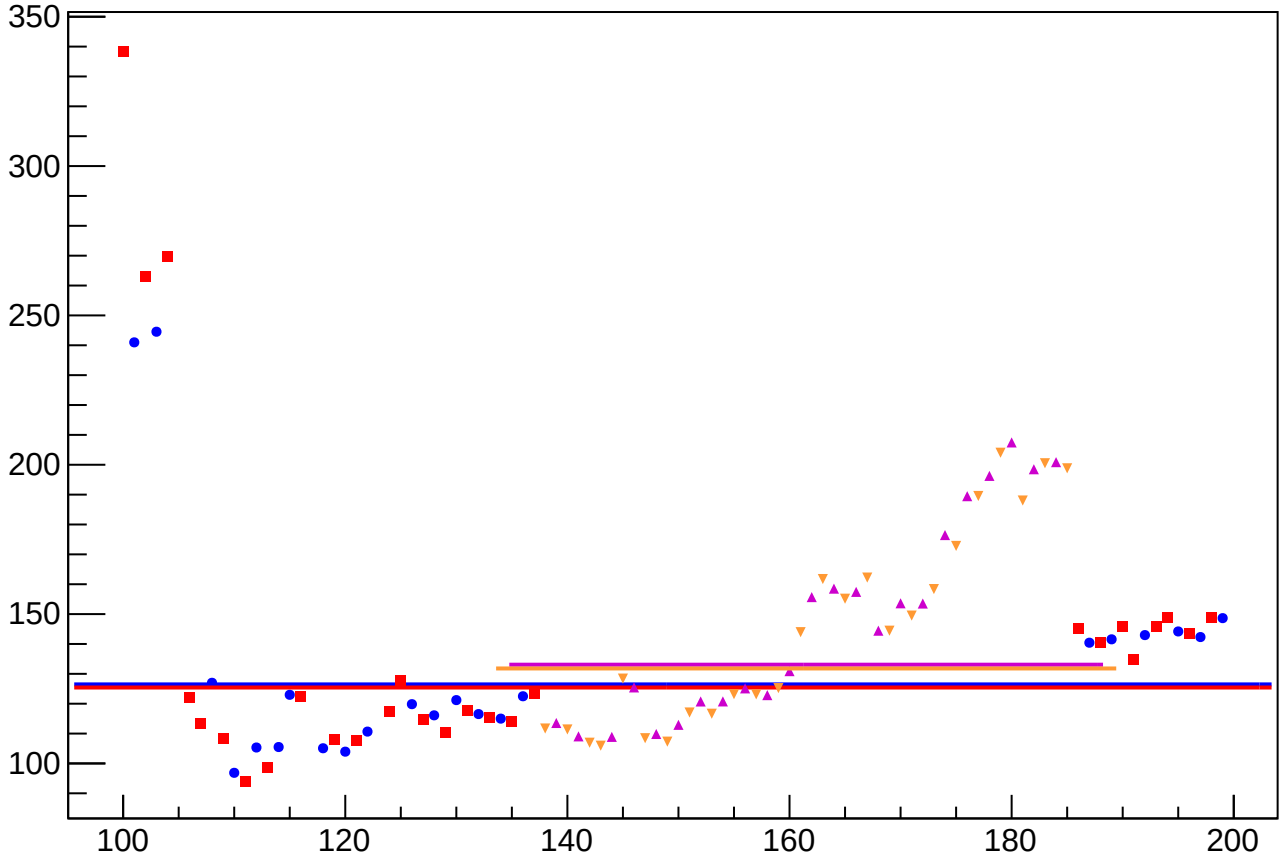
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1377.595+/-24.133 χ^2/NDF: 154228.9/46

All: -320.472+/-17.029 χ^2/NDF: 323427.5/96

- sign 727.925+/-24.033 χ^2/NDF: 165376.9/49

asym_bpm1i02WS_rms vs Slug



Right In: 126.463+/-0.027 χ^2/NDF: 919149.8/21

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

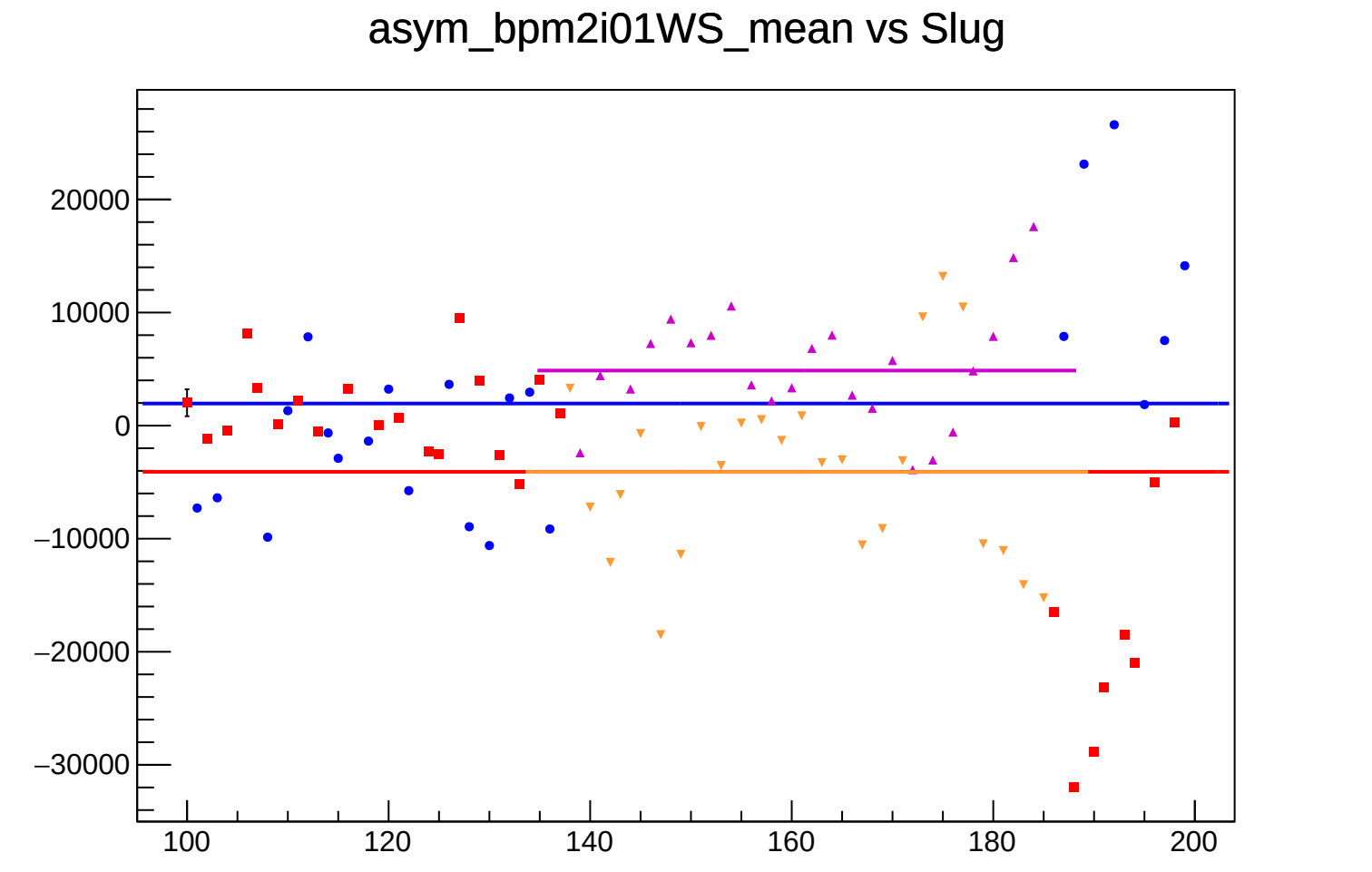
Right Out: 125.421+/-0.026 χ^2/NDF: 1154871.7/26

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 129.732+/-0.017 χ^2/NDF: 2486679.0/46

All: 129.735+/-0.012 χ^2/NDF: 5109479.1/96

- sign 129.739+/-0.017 χ^2/NDF: 2622800.0/49



Right In: 1953.094+/-35.025 χ^2/NDF: 82312.5/21

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4081.687+/-33.138 χ^2/NDF: 107886.1/26

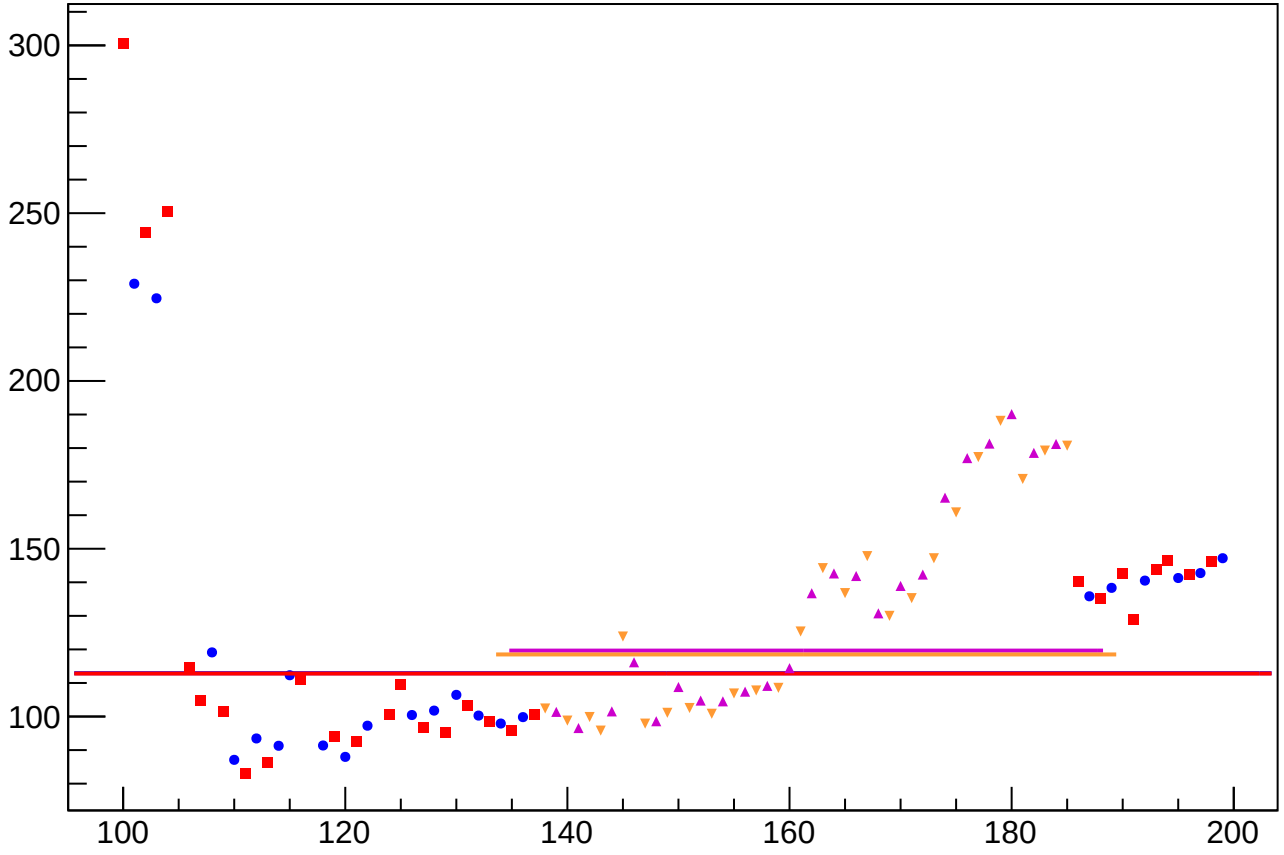
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

\+ sign -1762.768+/-21.761 χ^2/NDF: 166915.3/46

All: -371.876+/-15.380 χ^2/NDF: 346437.5/96

\- sign 1016.510+/-21.741 χ^2/NDF: 171358.9/49

asym_bpm2i01WS_rms vs Slug



Right In: 112.911+/-0.025 χ^2/NDF: 1312499.3/21

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

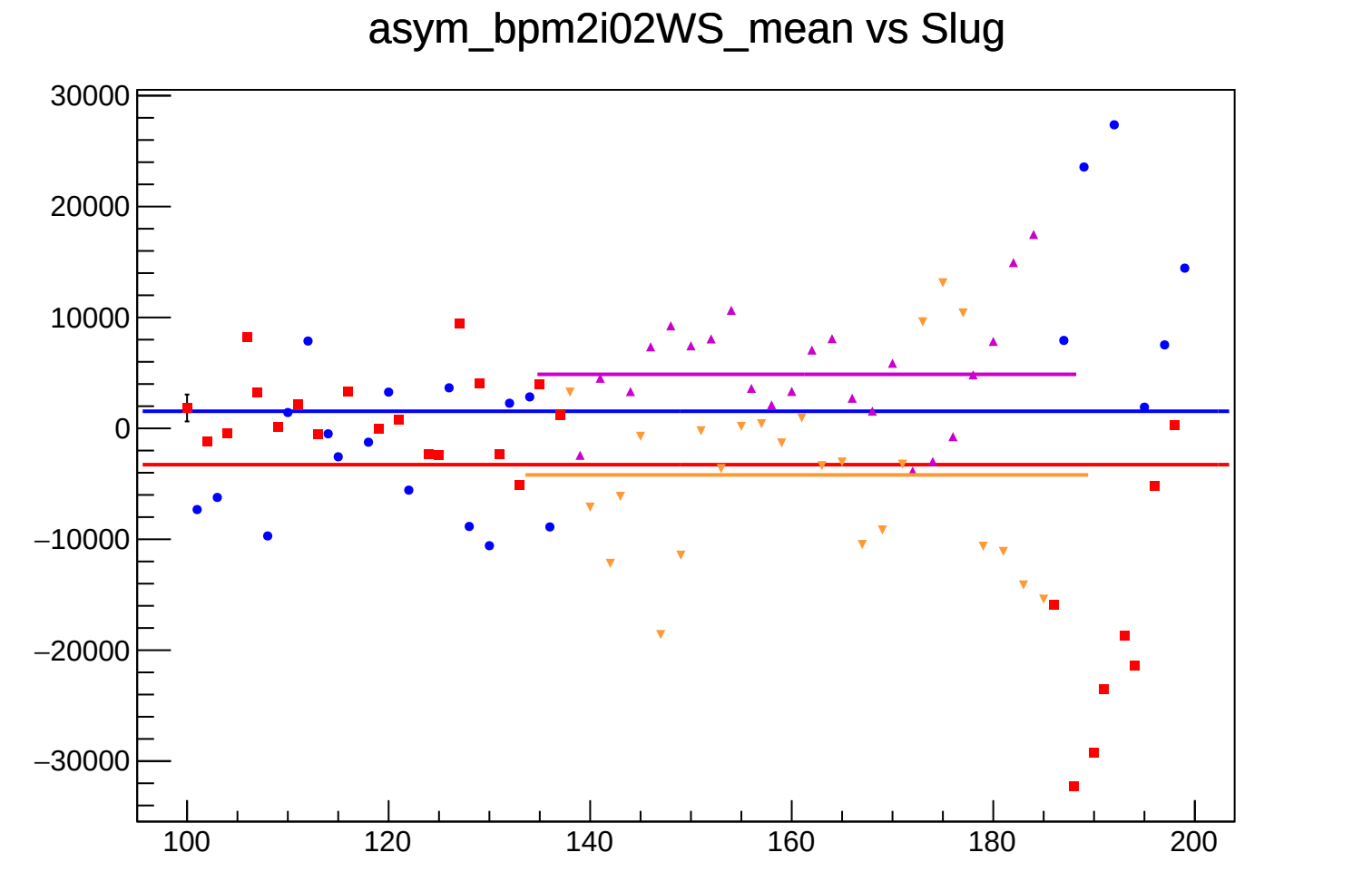
Right Out: 112.809+/-0.023 χ^2/NDF: 1557437.5/26

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

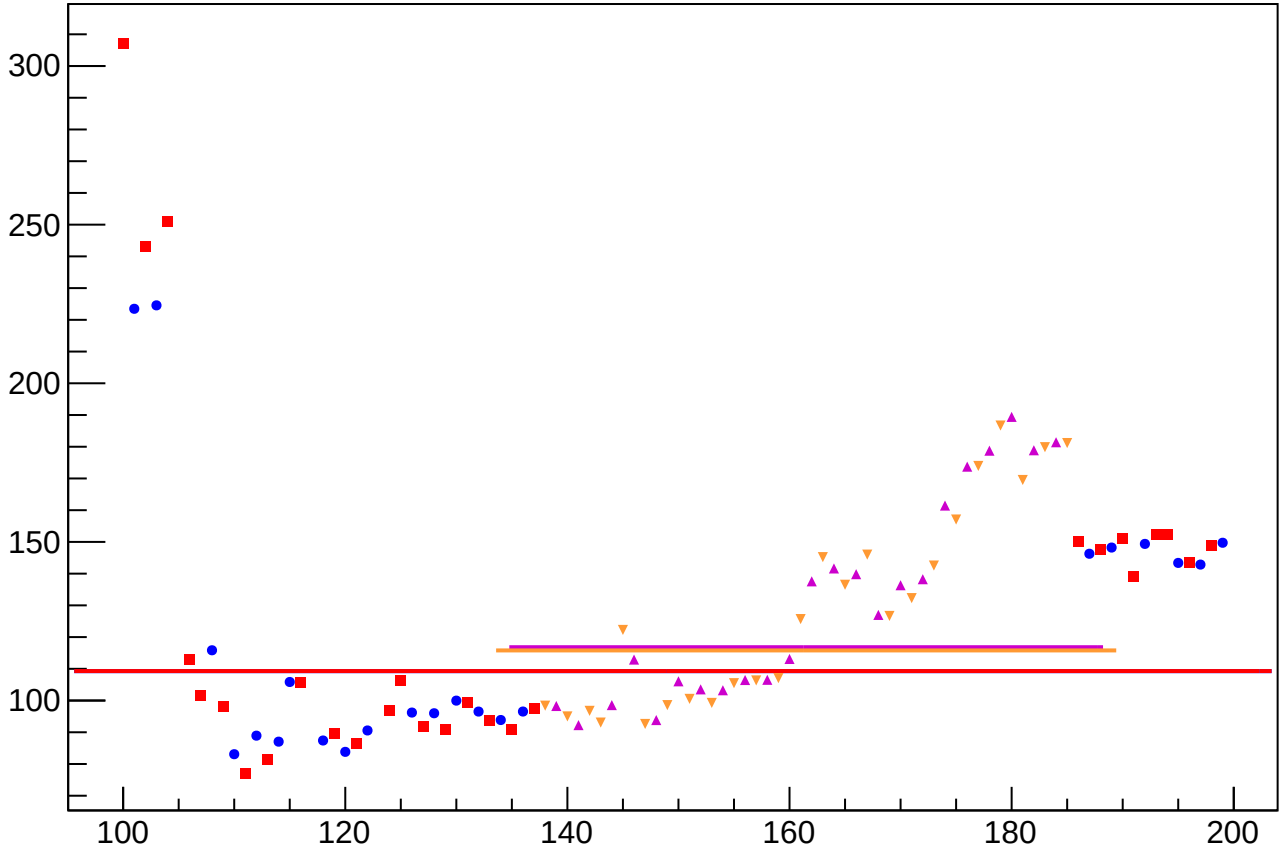
+ sign 116.344+/-0.015 χ^2/NDF: 2970927.2/46

All: 116.523+/-0.011 χ^2/NDF: 6089495.9/96

- sign 116.702+/-0.015 χ^2/NDF: 3118297.0/49


asym_bpm2i02WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 1544.374+/-34.196 χ²/NDF: 81104.7/21
Left Out: -4197.414+/-27.211 χ²/NDF:70415.4/24
Right Out: -3270.987+/-32.477 χ²/NDF: 100993.7/26
Left In: 4873.124+/-28.200 χ²/NDF:22923.8/22
+ sign -1971.321+/-21.292 χ²/NDF: 168782.9/46
All: -299.634+/-15.056 χ²/NDF: 340881.6/96
- sign 1372.194+/-21.293 χ²/NDF: 159770.0/49

asym_bpm2i02WS_rms vs Slug



Right In: 109.254+/-0.024 χ^2/NDF: 1593081.8/21

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

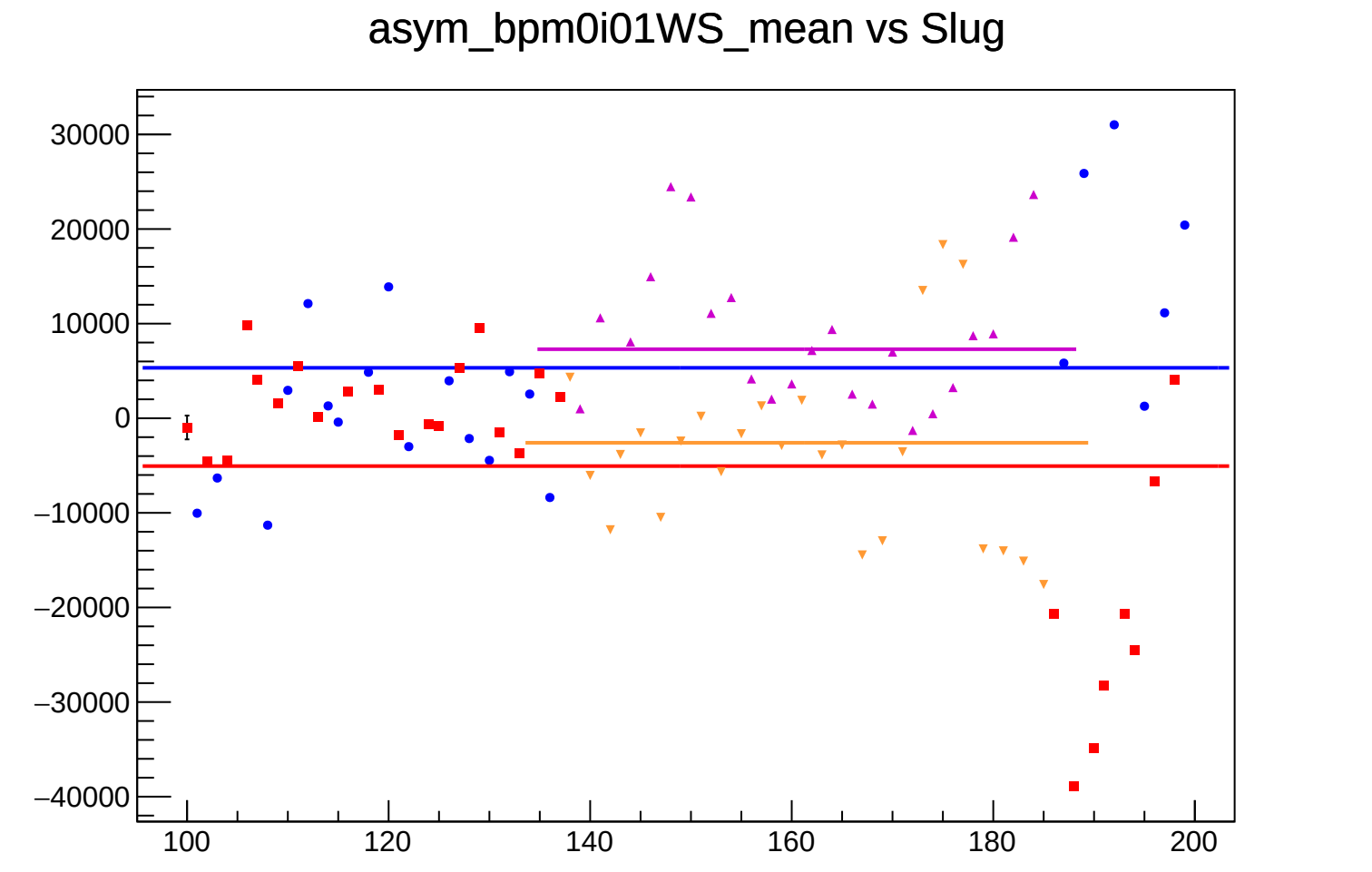
Right Out: 109.292+/-0.023 χ^2/NDF: 2006862.0/26

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

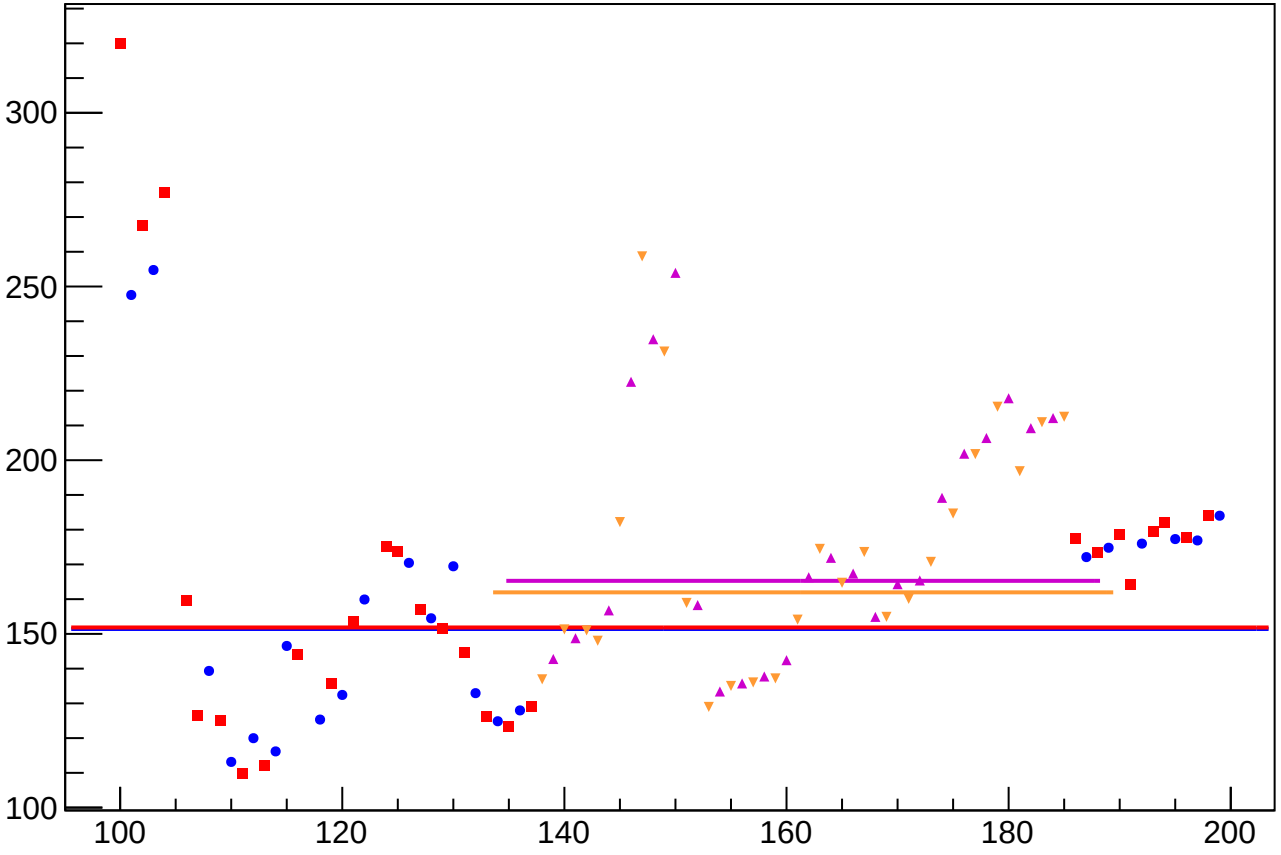
+ sign 113.261+/-0.015 χ^2/NDF: 3386954.9/46

All: 113.419+/-0.011 χ^2/NDF: 7072764.8/96

- sign 113.577+/-0.015 χ^2/NDF: 3685588.9/49


asym_bpm0i01WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 5329.435+/-46.232 χ²/NDF: 61365.2/21
Left Out: -2591.379+/-37.643 χ²/NDF:47994.7/24
Right Out: -5058.303+/-43.982 χ²/NDF: 95638.5/26
Left In: 7296.193+/-39.576 χ²/NDF:24743.4/22
+ sign 566.374+/-29.191 χ²/NDF: 127011.1/46
All: 1162.796+/-20.721 χ²/NDF: 291836.4/96
- sign 1768.578+/-29.419 χ²/NDF: 163983.9/49

asym_bpm0i01WS_rms vs Slug



Right In: 151.418+/-0.033 χ^2/NDF: 941443.3/21

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

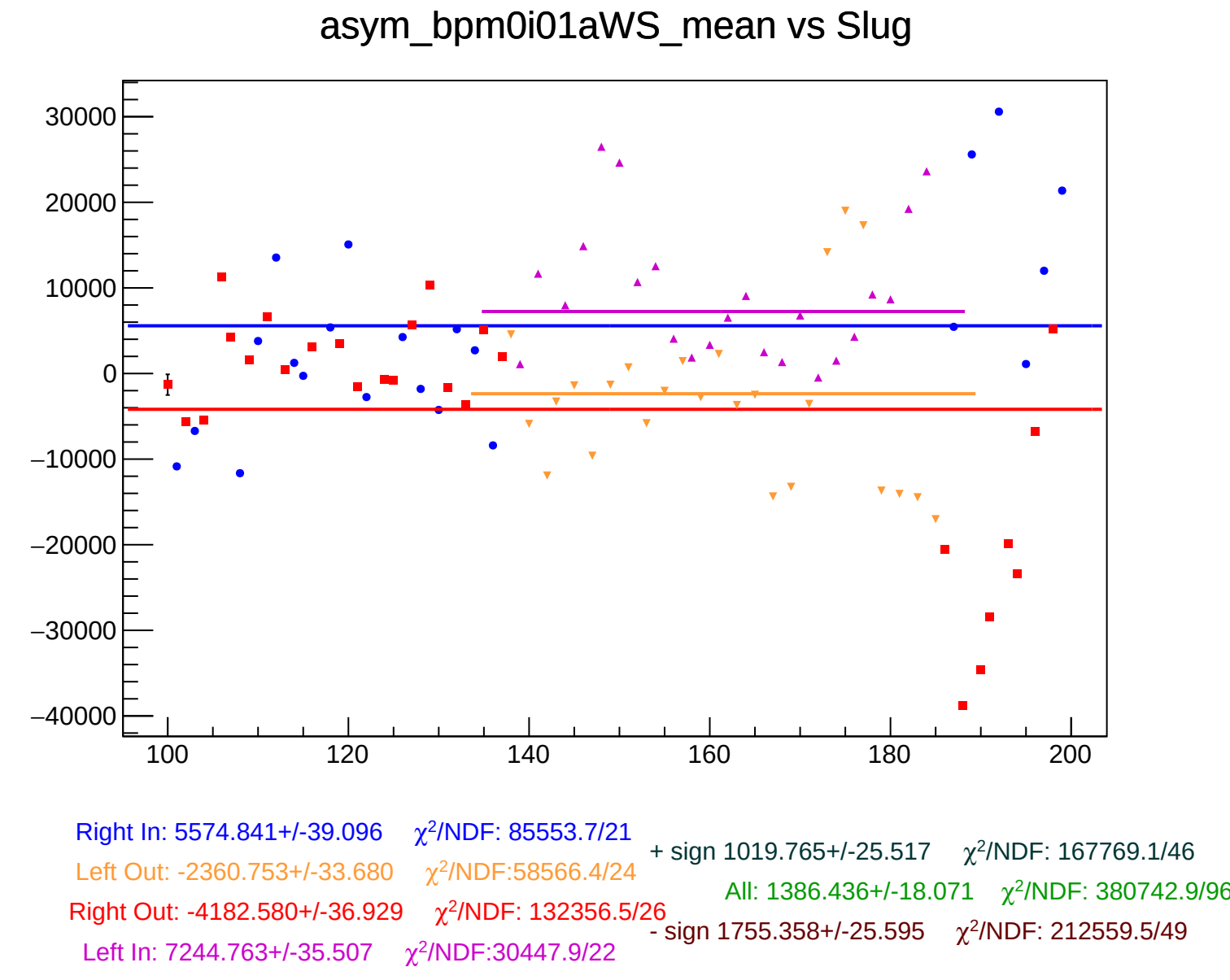
Right Out: 151.850+/-0.031 χ^2/NDF: 1150449.6/26

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

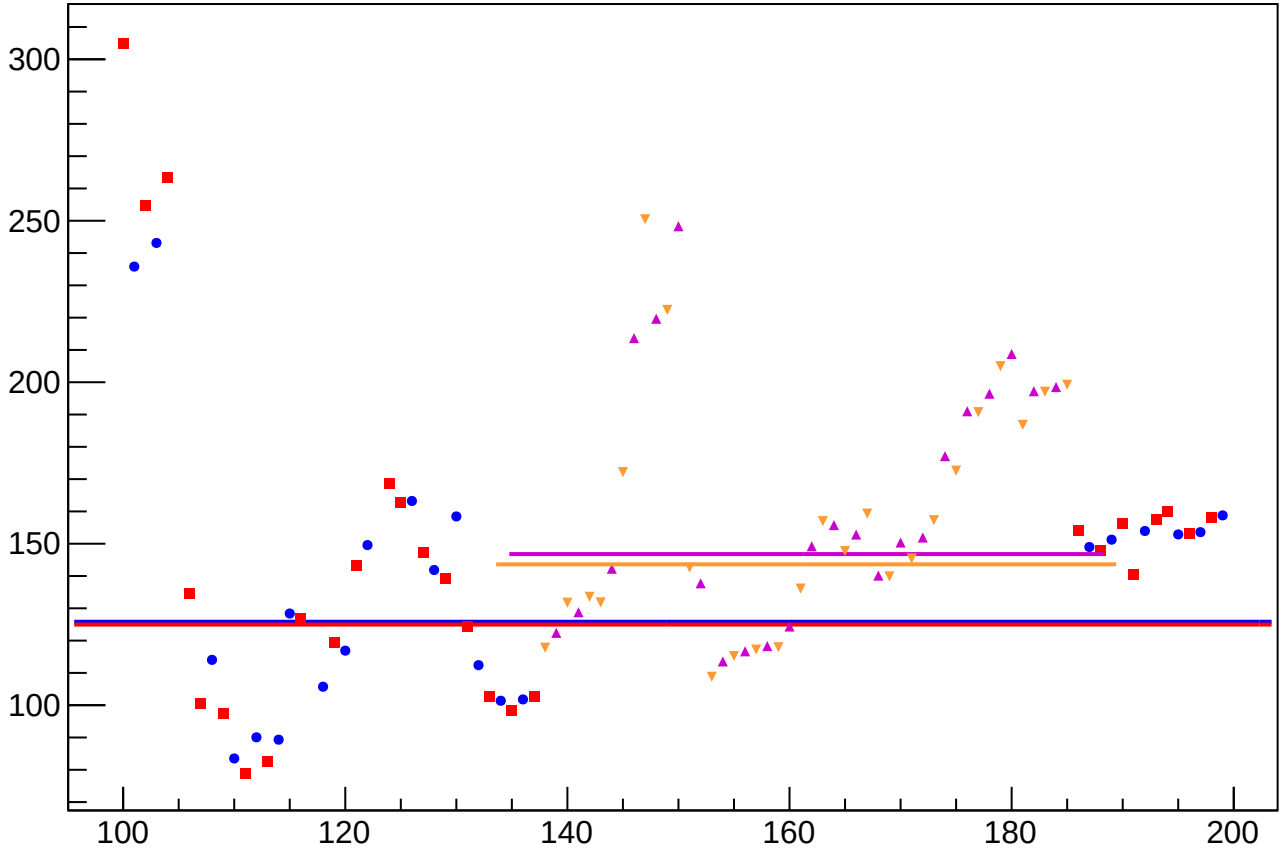
+ sign 157.755+/-0.021 χ^2/NDF: 2148752.2/46

All: 158.505+/-0.015 χ^2/NDF: 4583892.4/96

- 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: 5574.841+/-39.096 χ²/NDF: 85553.7/21
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 1019.765+/-25.517 χ²/NDF: 167769.1/46
All: 1386.436+/-18.071 χ²/NDF: 380742.9/96
- sign 1755.358+/-25.595 χ²/NDF: 212559.5/49

asym_bpm0i01aWS_rms vs Slug



Right In: 125.840+/-0.028 χ^2/NDF: 1510590.6/21

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 124.968+/-0.026 χ^2/NDF: 1885195.7/26

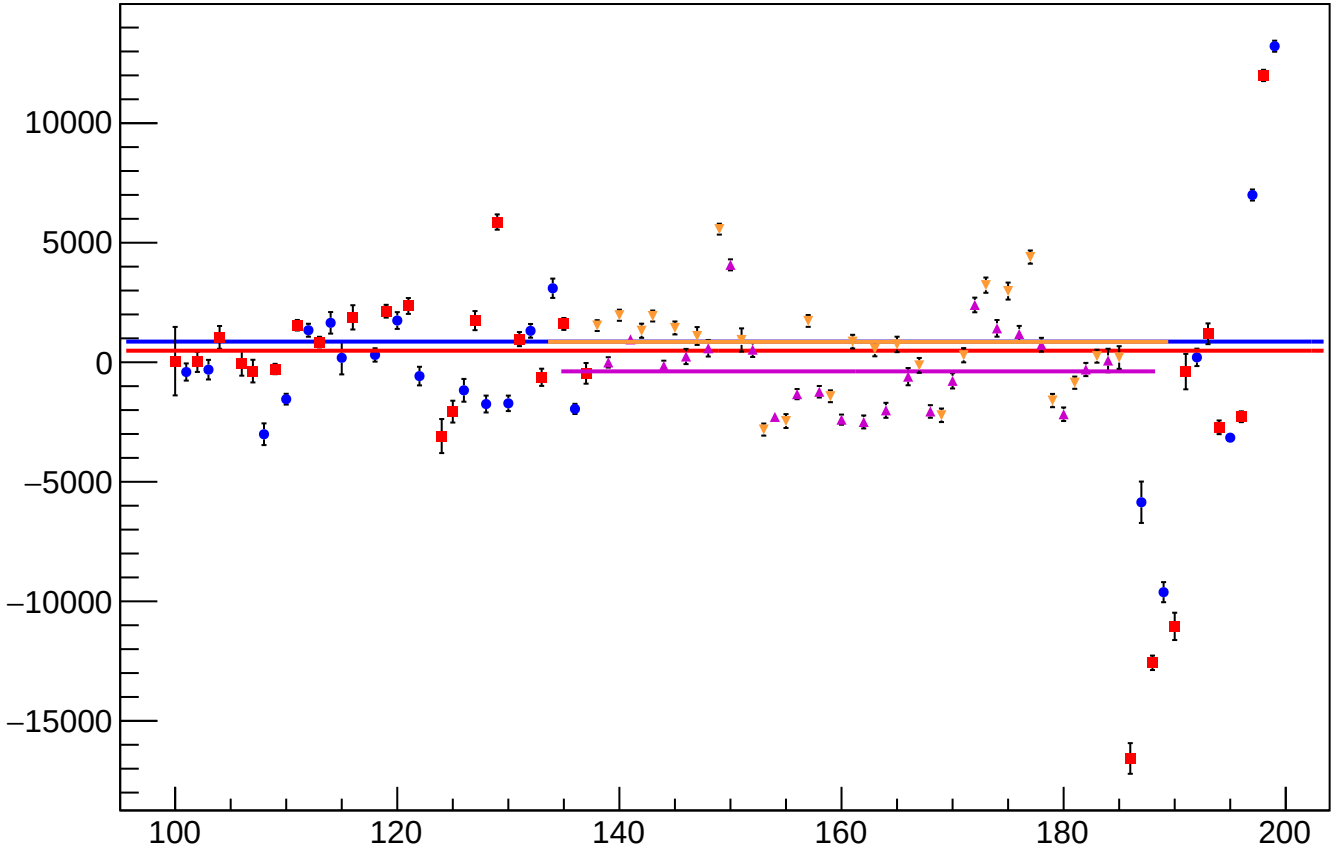
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 136.047+/-0.018 χ^2/NDF: 3410913.6/46

All: 136.178+/-0.013 χ^2/NDF: 7353746.3/96

- sign 136.309+/-0.018 χ^2/NDF: 3942727.8/49

asym_bpm0l01WS_mean vs Slug



Right In: 864.767+/-67.005 χ^2/NDF: 5188.1/21

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 483.575+/-63.963 χ^2/NDF: 6146.6/26

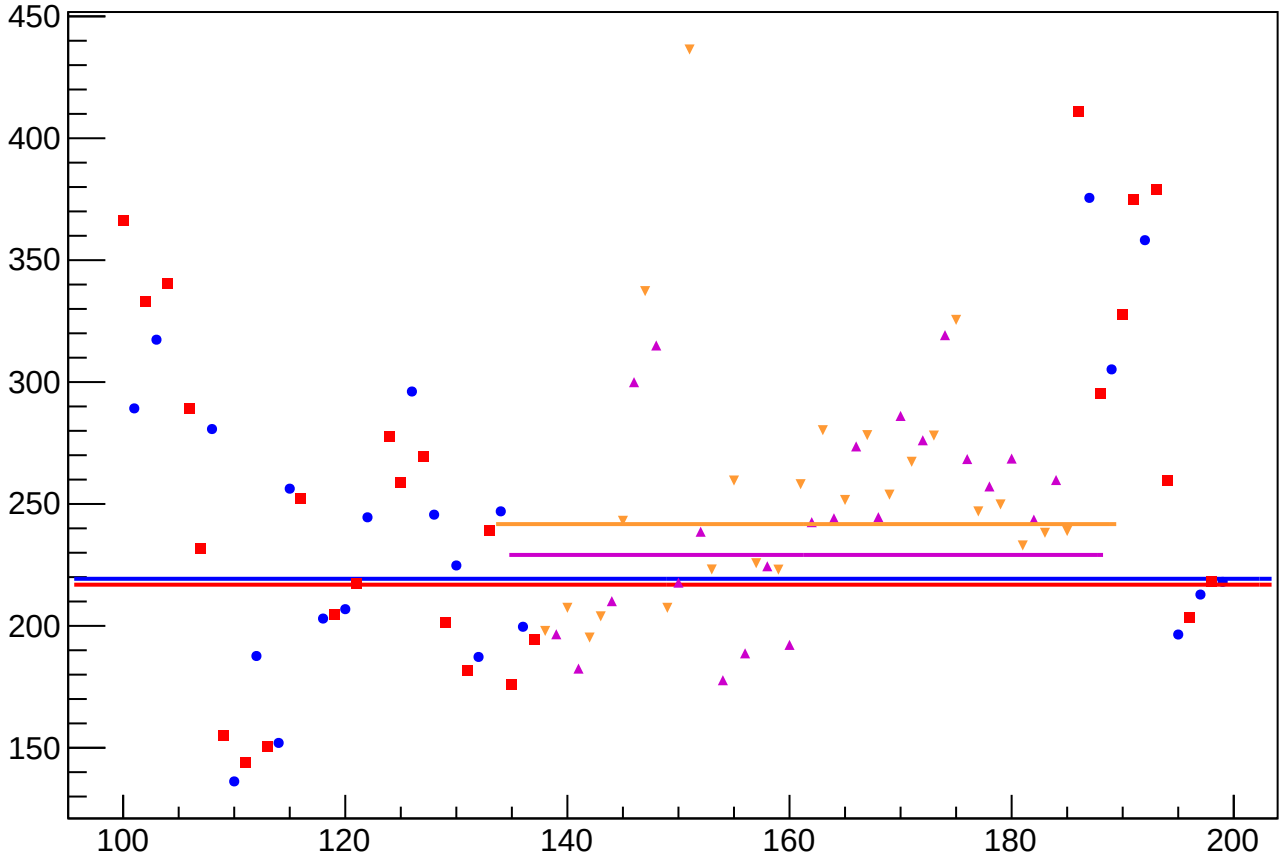
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 858.401+/-43.076 χ^2/NDF: 6631.9/46

All: 409.533+/-29.984 χ^2/NDF: 14076.4/96

- sign -12.369+/-41.762 χ^2/NDF: 7233.8/49

asym_bpm0l01WS_rms vs Slug



Right In: 219.315+/-0.047 χ^2/NDF: 1171108.7/21

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 216.897+/-0.045 χ^2/NDF: 1901140.4/26

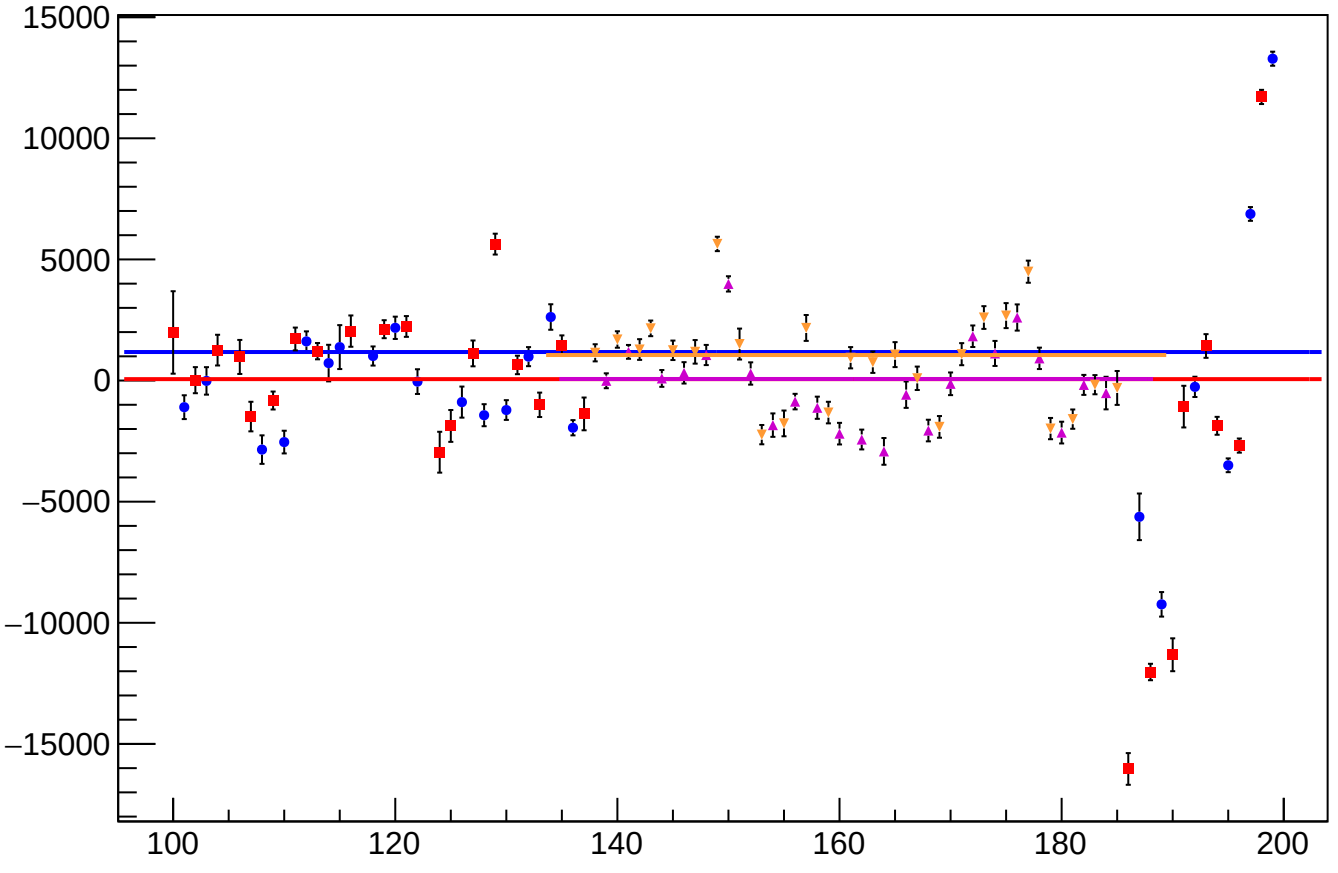
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.475+/-0.030 χ^2/NDF: 2289006.1/46

All: 228.055+/-0.021 χ^2/NDF: 5341747.9/96

- sign 223.900+/-0.030 χ^2/NDF: 3011884.3/49

asym_bpm0l02WS_mean vs Slug



Right In: 1177.504+/-91.596 χ^2/NDF: 3225.8/21

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 58.513+/-88.532 χ^2/NDF: 4185.2/26

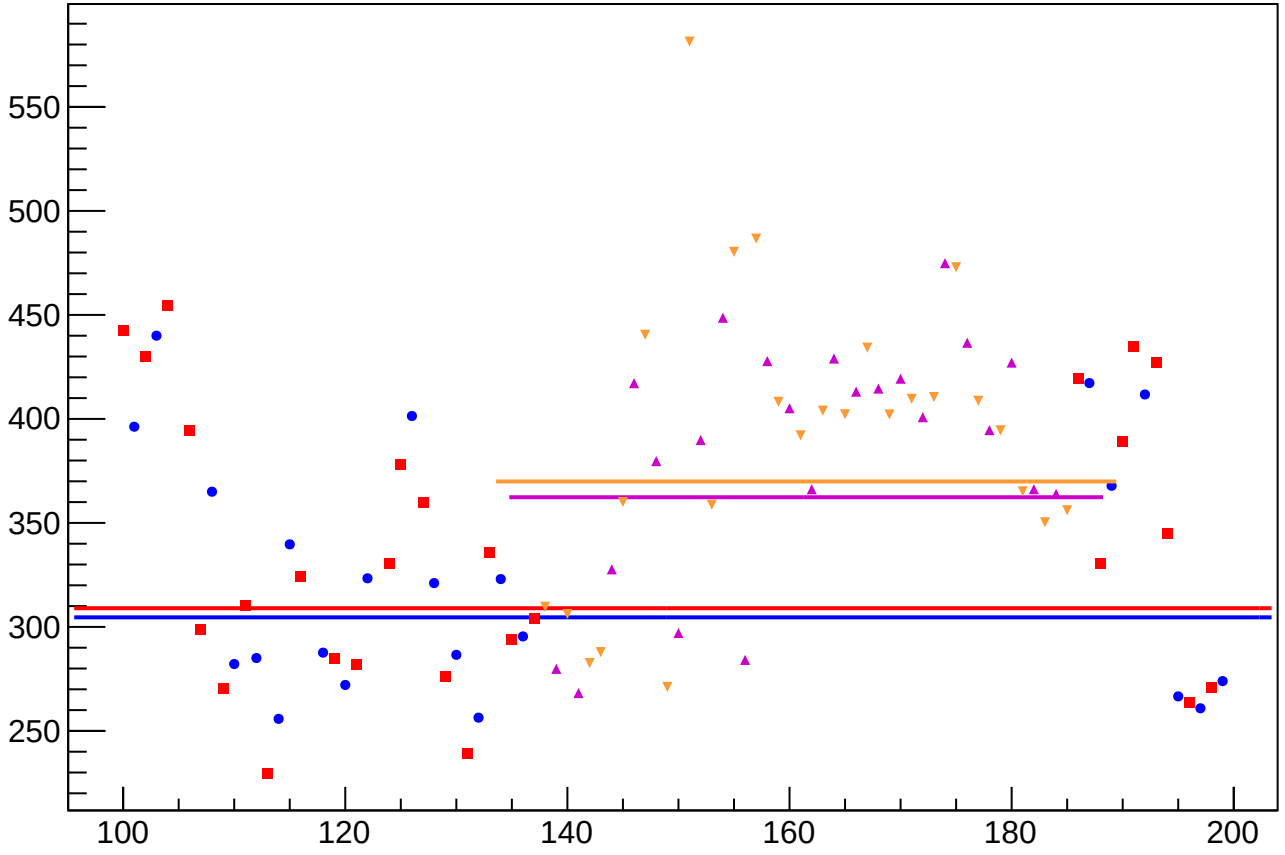
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

\+ sign 1111.446+/-62.656 χ^2/NDF: 3841.4/46

All: 580.421+/-44.045 χ^2/NDF: 8563.0/96

\- sign 61.645+/-61.929 χ^2/NDF: 4579.6/49

asym_bpm0l02WS_rms vs Slug



Right In: 304.603+/-0.065 χ^2/NDF: 622512.2/21

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 308.980+/-0.063 χ^2/NDF: 882085.1/26

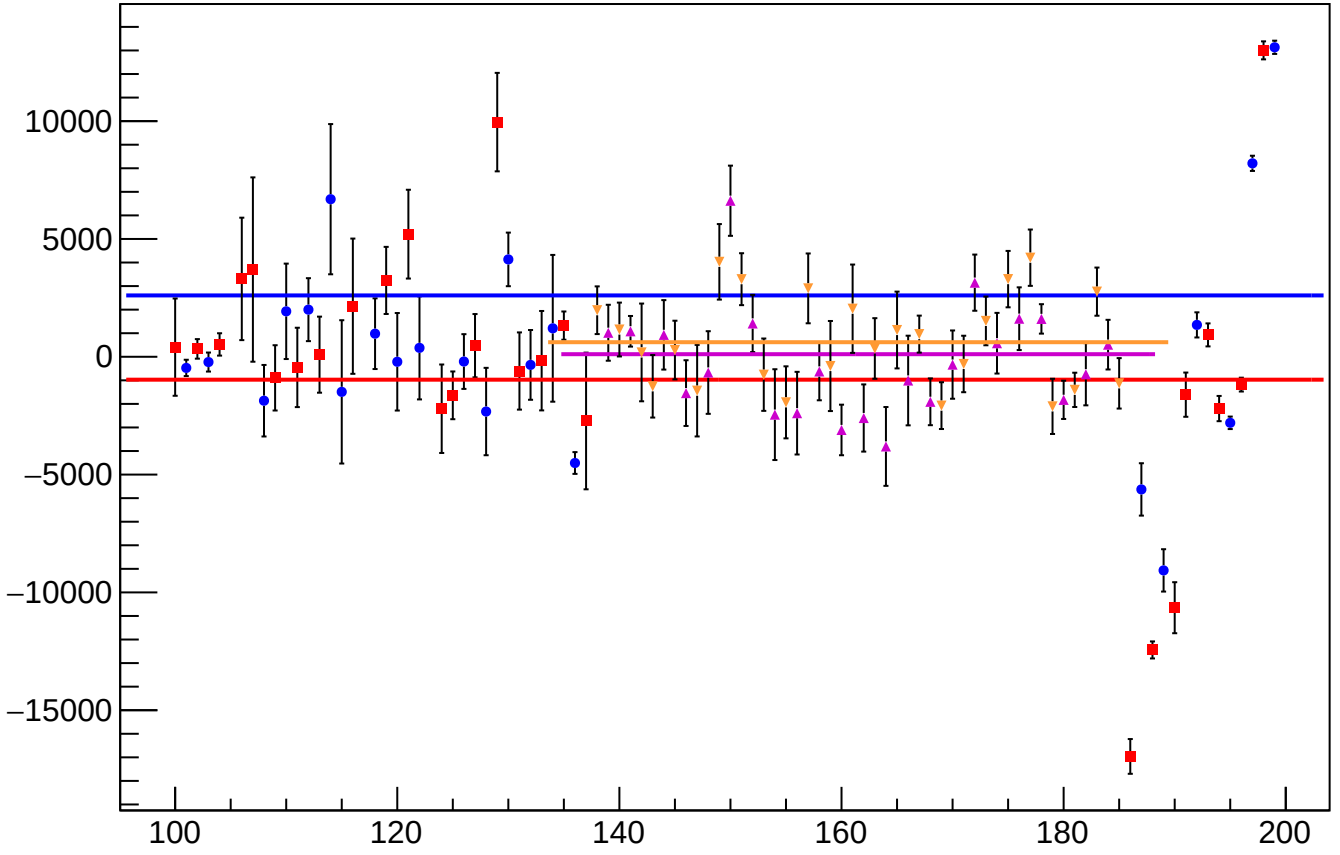
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 339.359+/-0.044 χ^2/NDF: 2394009.9/46

All: 337.777+/-0.031 χ^2/NDF: 4703056.7/96

- sign 336.231+/-0.044 χ^2/NDF: 2306524.9/49

asym_bpm0l03WS_mean vs Slug



Right In: 2603.688+/-123.186 χ^2/NDF: 2749.7/21

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -972.176+/-133.601 χ^2/NDF: 3006.7/26

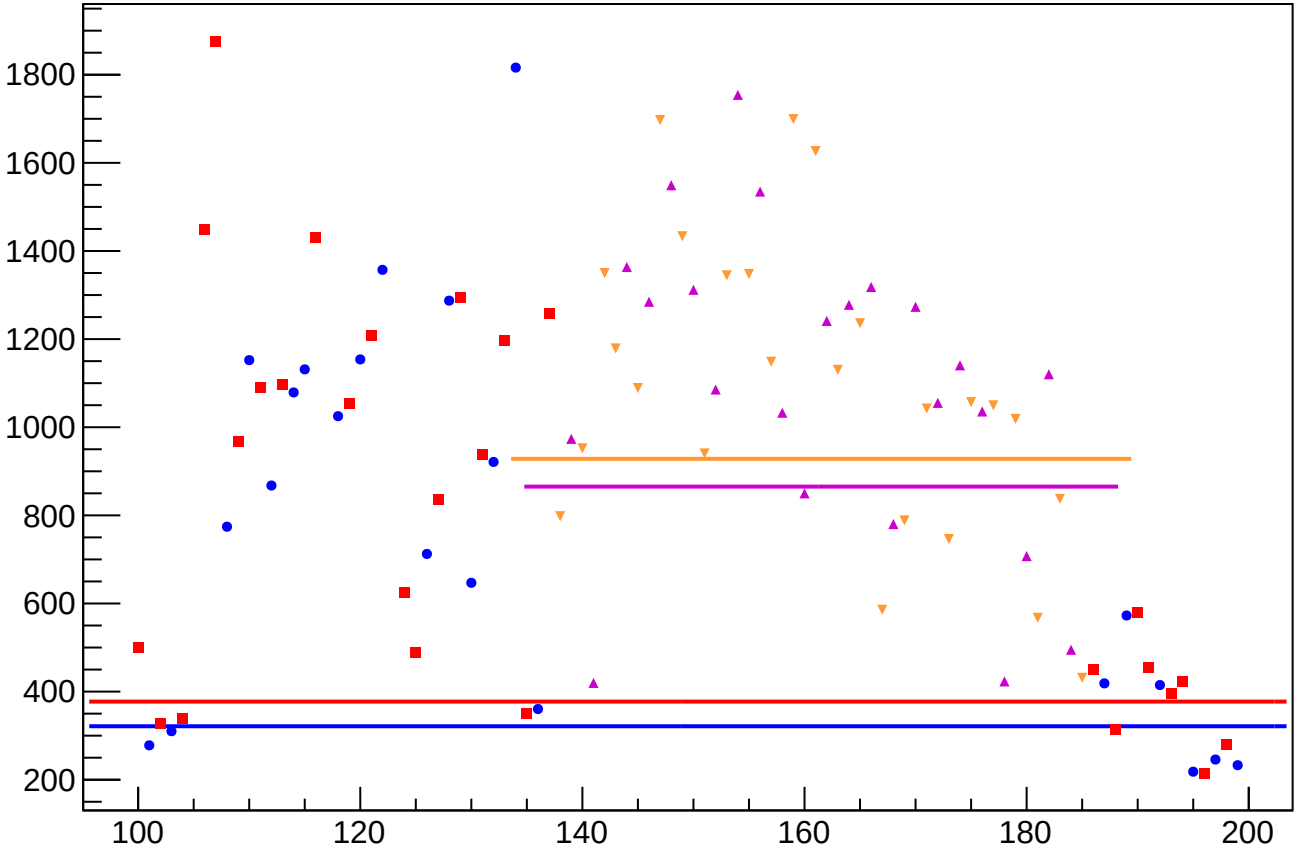
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 2184.656+/-109.415 χ^2/NDF: 2870.2/46

All: 826.506+/-79.749 χ^2/NDF: 6293.1/96

- sign -712.707+/-116.480 χ^2/NDF: 3094.2/49

asym_bpm0l03WS_rms vs Slug



Right In: 321.410+/-0.087 χ^2/NDF: 4929117.6/21

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 377.340+/-0.094 χ^2/NDF: 5247369.0/26

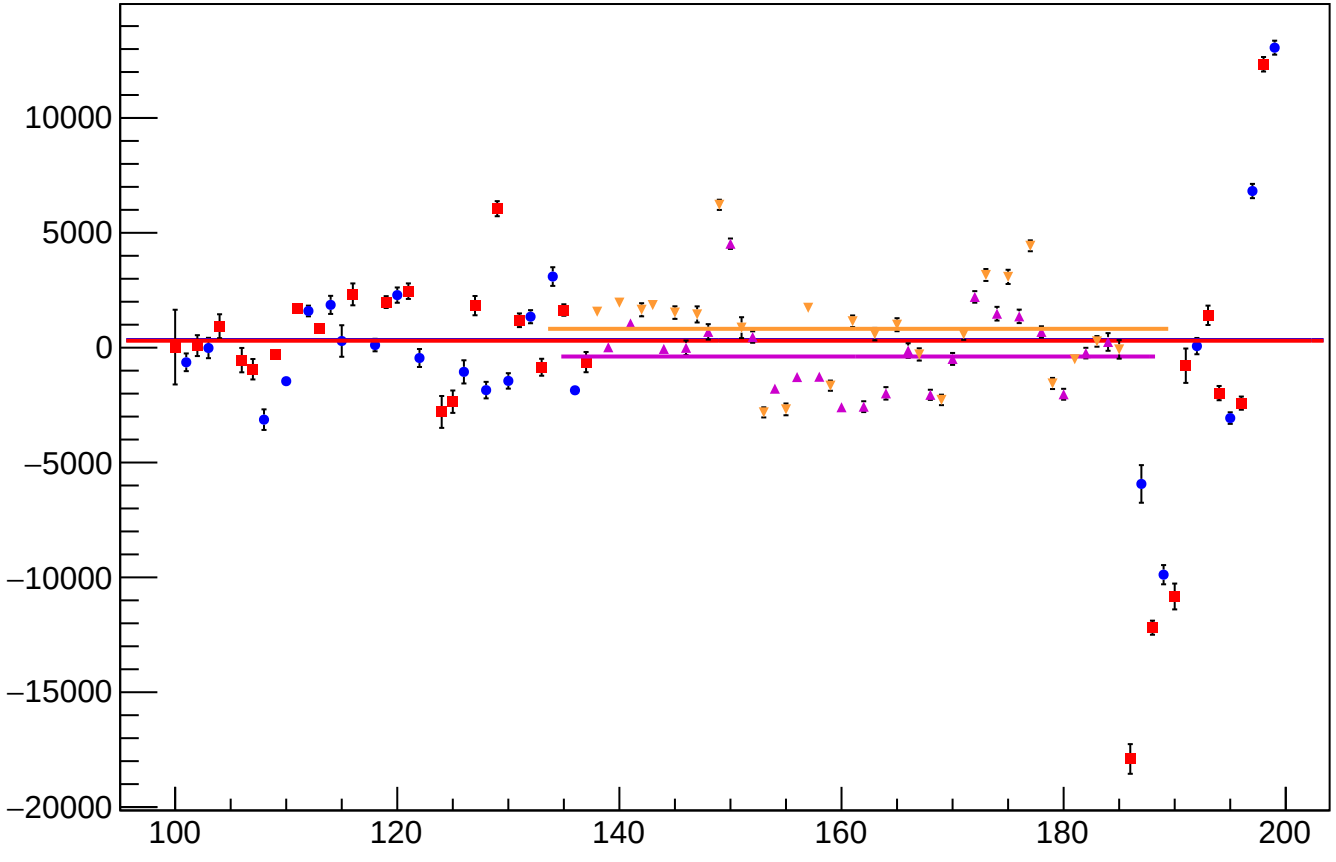
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 449.501+/-0.077 χ^2/NDF: 18468419.0/46

All: 470.534+/-0.056 χ^2/NDF: 35063831.9/96

- sign 494.370+/-0.082 χ^2/NDF: 16437758.3/49

asym_bpm0l04WS_mean vs Slug



Right In: 333.312+/-69.198 χ^2/NDF: 3476.5/21

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 303.266+/-64.086 χ^2/NDF: 5056.5/26

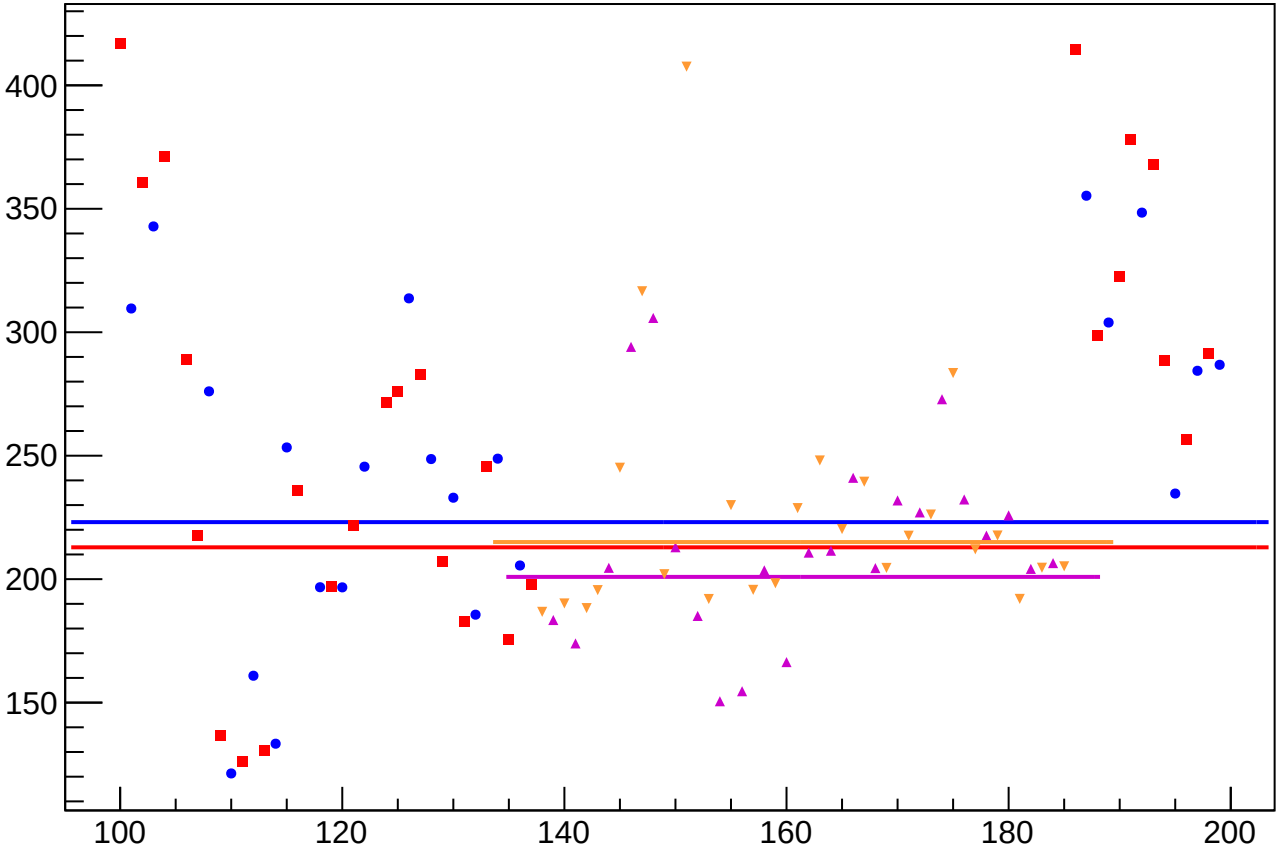
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 653.616+/-40.525 χ^2/NDF: 5499.9/46

All: 240.825+/-27.969 χ^2/NDF: 12081.2/96

- sign -134.655+/-38.650 χ^2/NDF: 6383.2/49

asym_bpm0l04WS_rms vs Slug



Right In: 223.098+/-0.049 χ^2/NDF: 1745720.8/21

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 212.891+/-0.045 χ^2/NDF: 2834516.4/26

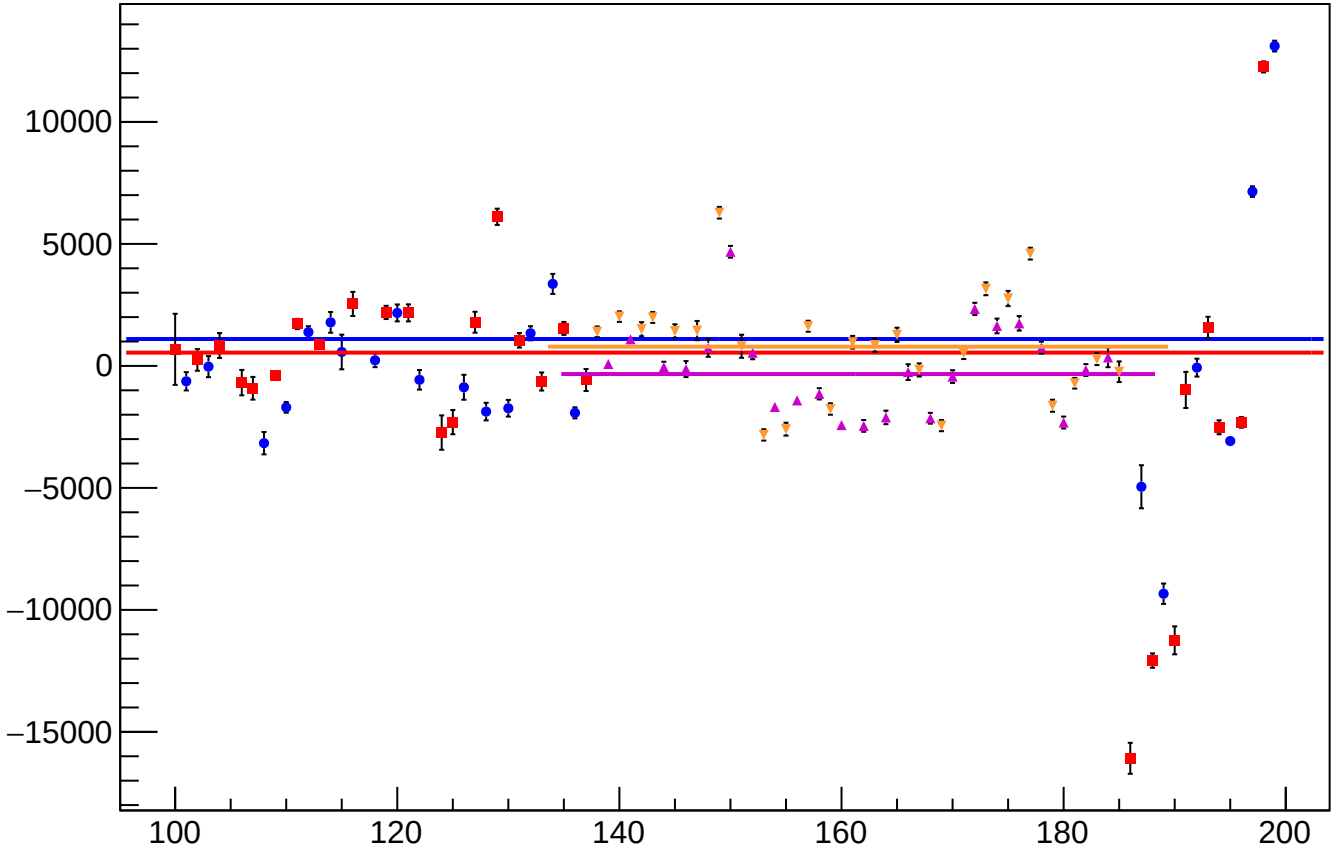
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 217.795+/-0.029 χ^2/NDF: 2661390.6/46

All: 211.237+/-0.020 χ^2/NDF: 6746181.7/96

- sign 205.272+/-0.027 χ^2/NDF: 3984781.8/49

asym_bpm0l05WS_mean vs Slug



Right In: 1102.414+/-66.446 χ^2/NDF: 5485.1/21

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 544.651+/-63.221 χ^2/NDF: 6444.6/26

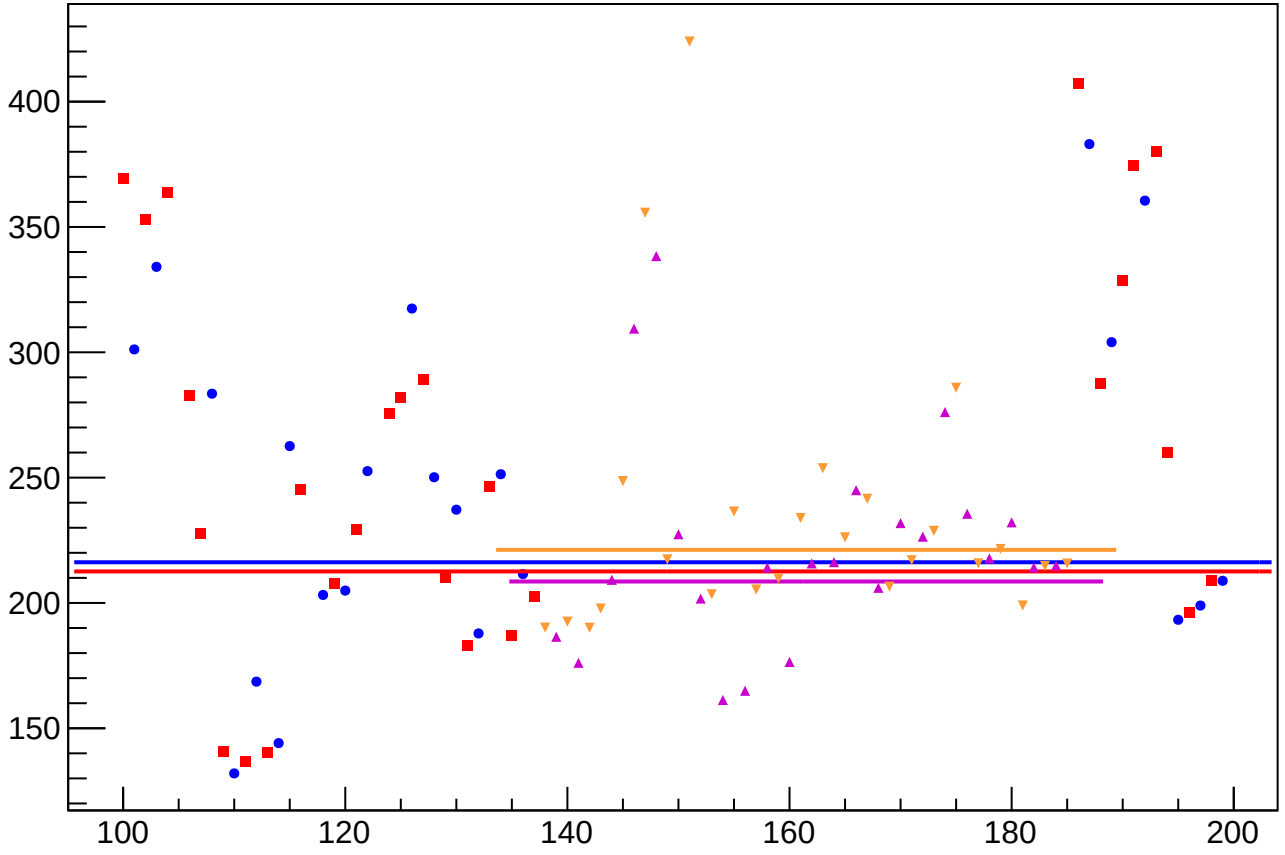
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 905.846+/-40.668 χ^2/NDF: 7389.3/46

All: 440.738+/-28.265 χ^2/NDF: 15420.4/96

- sign 6.148+/-39.311 χ^2/NDF: 7778.1/49

asym_bpm0l05WS_rms vs Slug



Right In: 216.238+/-0.047 χ^2/NDF: 1400513.7/21

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

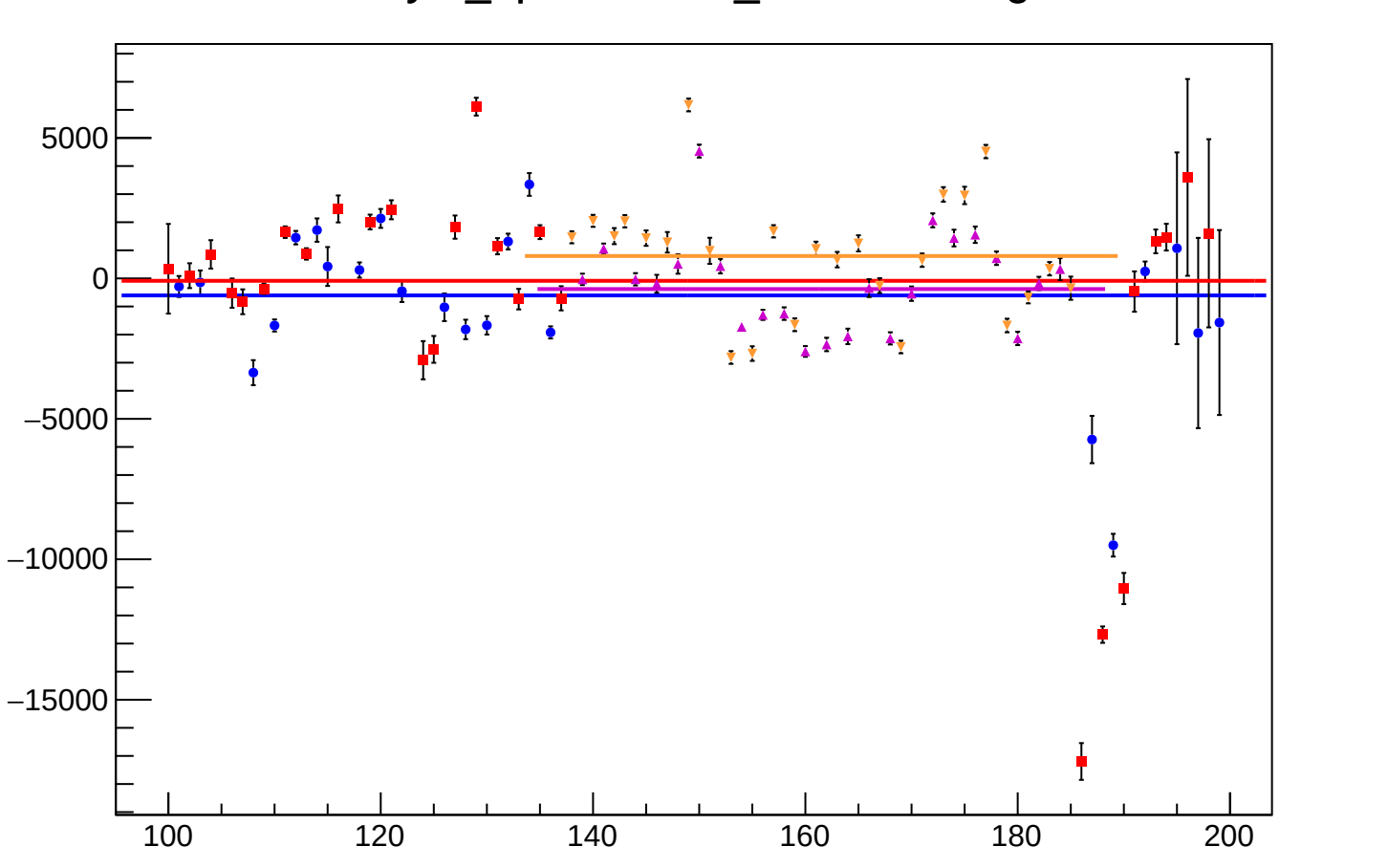
Right Out: 212.569+/-0.045 χ^2/NDF: 2247558.3/26

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

\+ sign 219.332+/-0.029 χ^2/NDF: 2346966.9/46

All: 214.563+/-0.020 χ^2/NDF: 5688300.7/96

\- sign 210.108+/-0.028 χ^2/NDF: 3288138.6/49



Right In: -605.967+/-76.435 χ^2/NDF: 977.0/21

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -85.695+/-68.157 χ^2/NDF: 3731.5/26

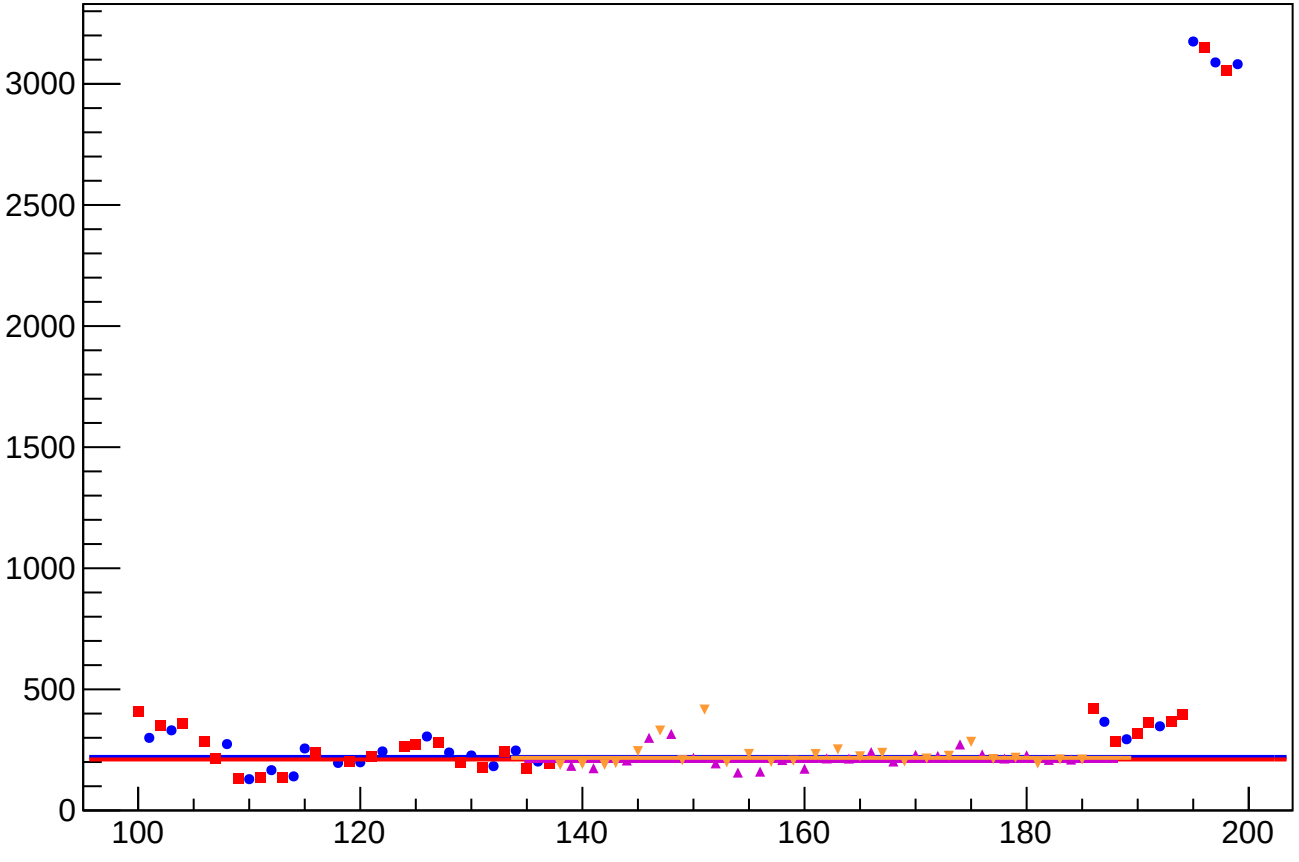
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.067+/-42.131 χ^2/NDF: 3172.5/46

All: 28.257+/-28.964 χ^2/NDF: 8243.0/96

- sign -278.947+/-39.883 χ^2/NDF: 4944.9/49

asym_bpm0l06WS_rms vs Slug



Right In: 220.984+/-0.054 χ^2/NDF: 5775973.4/21

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 210.498+/-0.048 χ^2/NDF: 5465309.5/26

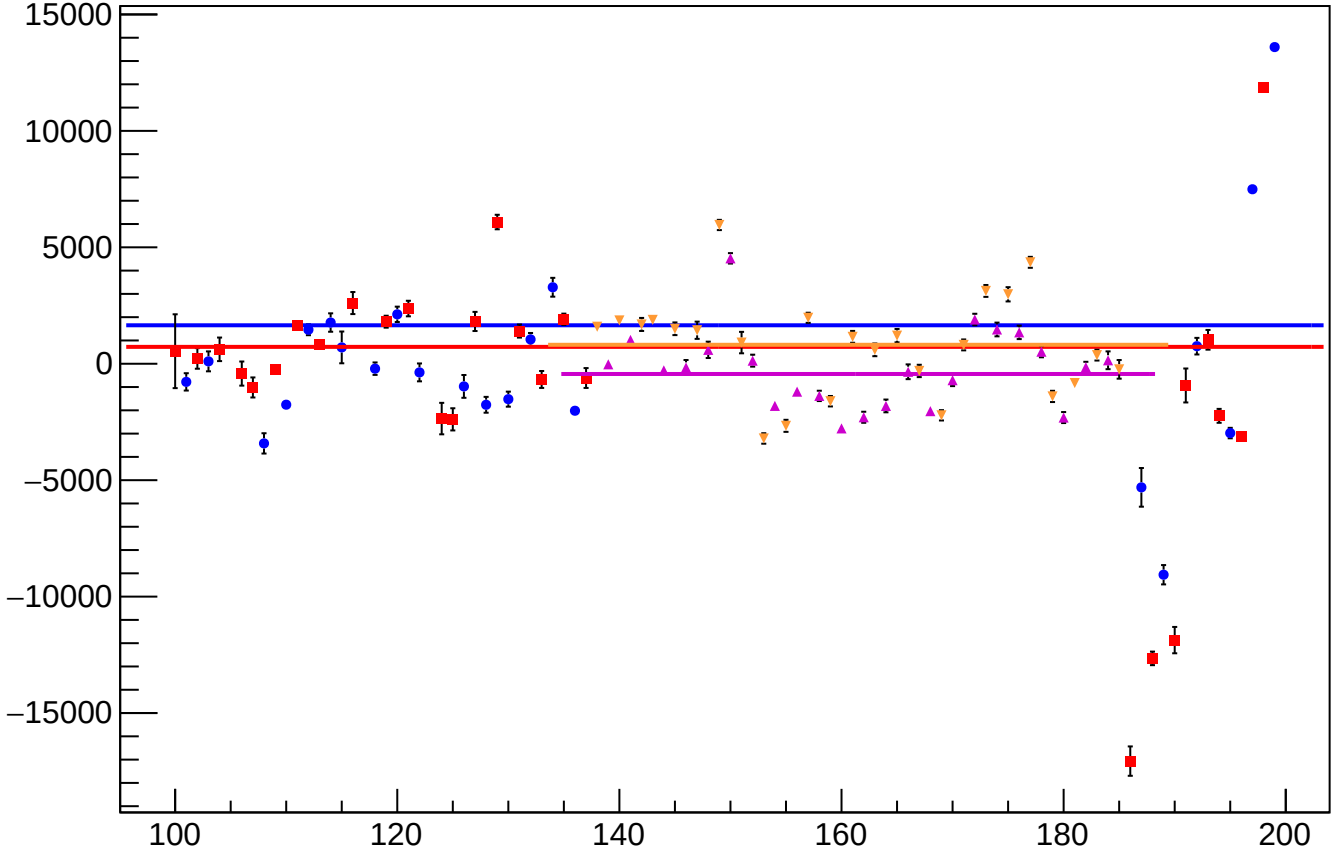
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 218.367+/-0.030 χ^2/NDF: 6689786.3/46

All: 212.070+/-0.020 χ^2/NDF: 13265693.1/96

- sign 206.427+/-0.028 χ^2/NDF: 6491204.4/49

asym_bpm0l07WS_mean vs Slug



Right In: 1651.973+/-62.950 χ^2/NDF: 7184.9/21

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 724.802+/-59.901 χ^2/NDF: 7587.0/26

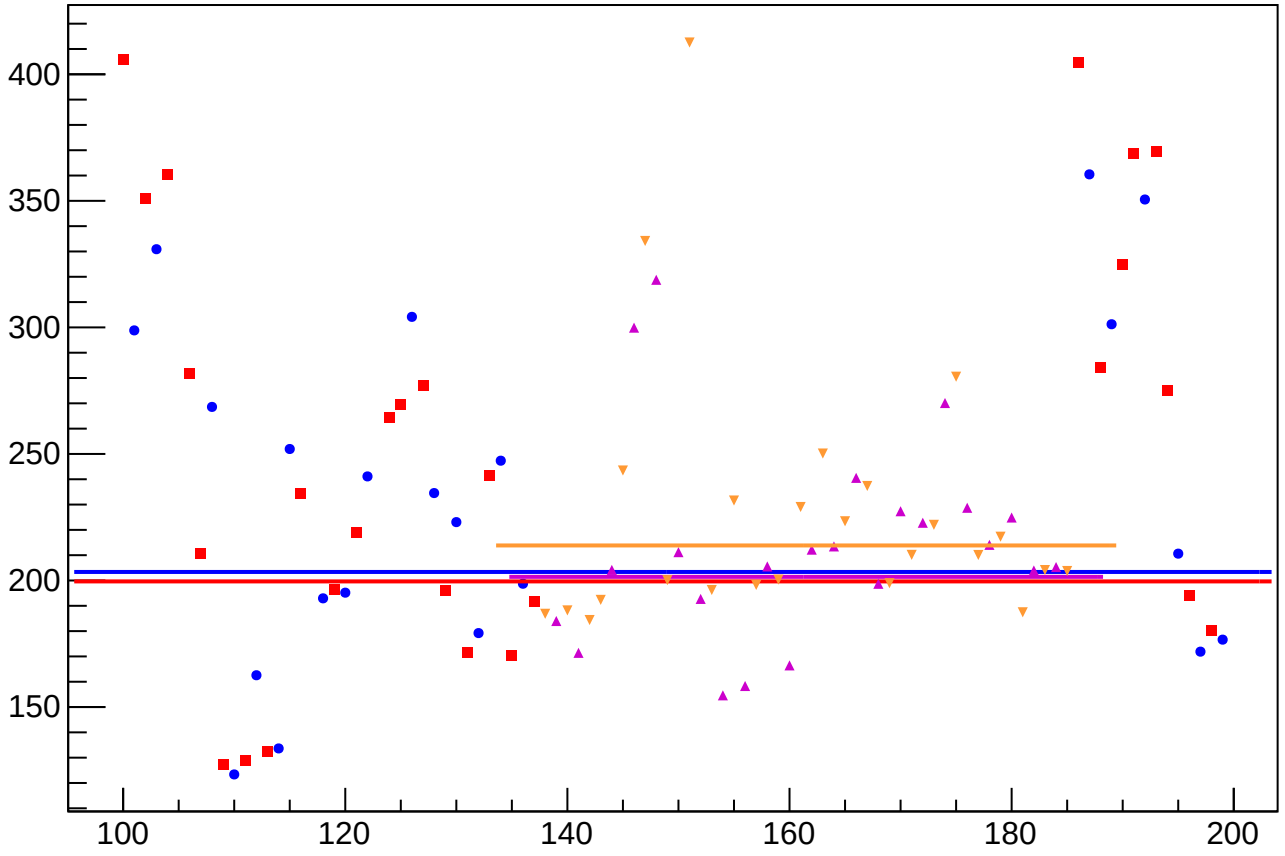
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 1136.414+/-39.037 χ^2/NDF: 9294.2/46

All: 559.868+/-27.122 χ^2/NDF: 18766.0/96

- sign 21.842+/-37.710 χ^2/NDF: 9050.1/49

asym_bpm0l07WS_rms vs Slug



Right In: 203.376+/-0.045 χ^2/NDF: 1582327.9/21

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 199.638+/-0.042 χ^2/NDF: 2619470.1/26

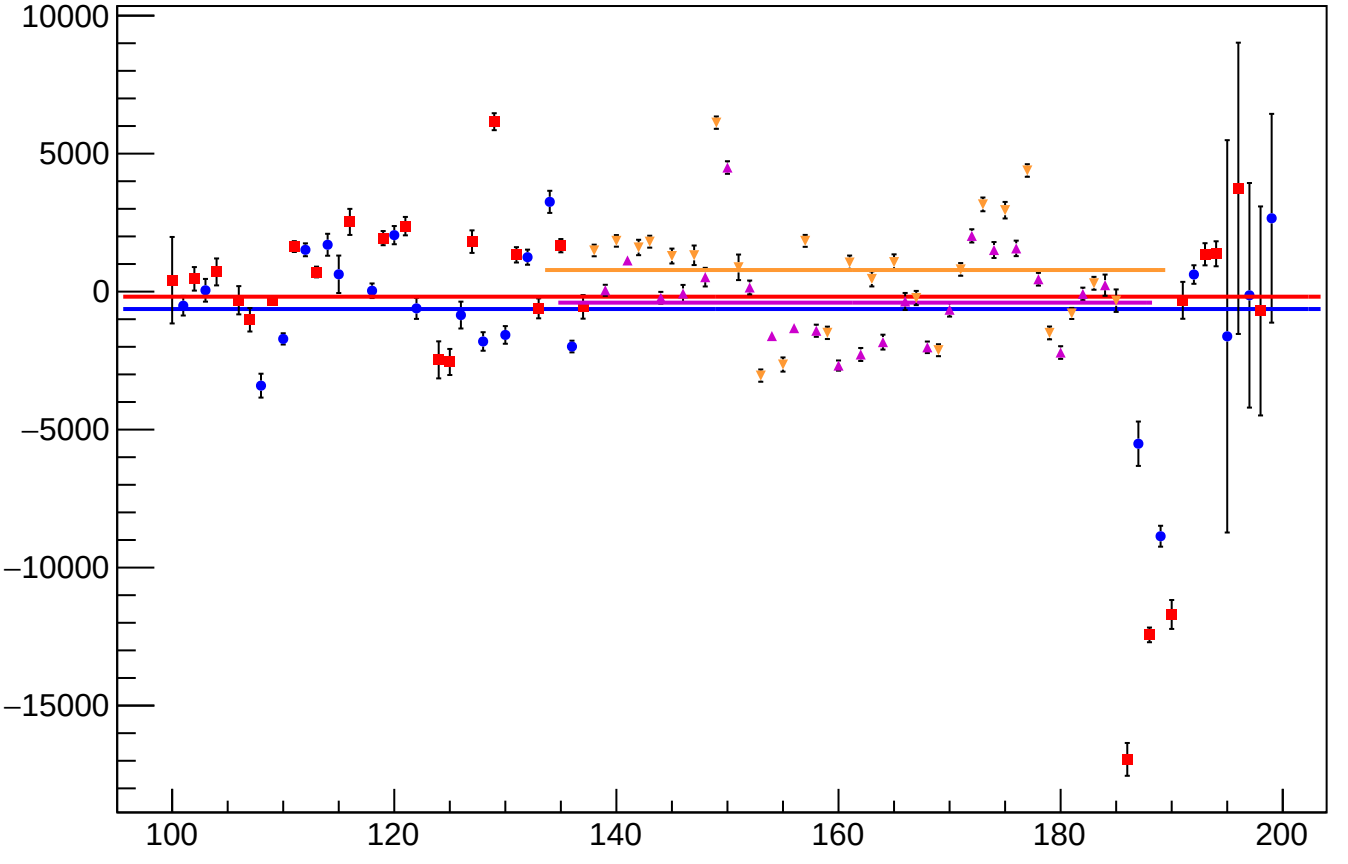
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 209.821+/-0.028 χ^2/NDF: 2579973.9/46

All: 205.118+/-0.019 χ^2/NDF: 6318636.1/96

- sign 200.729+/-0.027 χ^2/NDF: 3682541.9/49

asym_bpm0l08WS_mean vs Slug



Right In: -630.882+/-74.035 χ^2/NDF: 993.2/21

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -183.652+/-65.466 χ^2/NDF: 4272.5/26

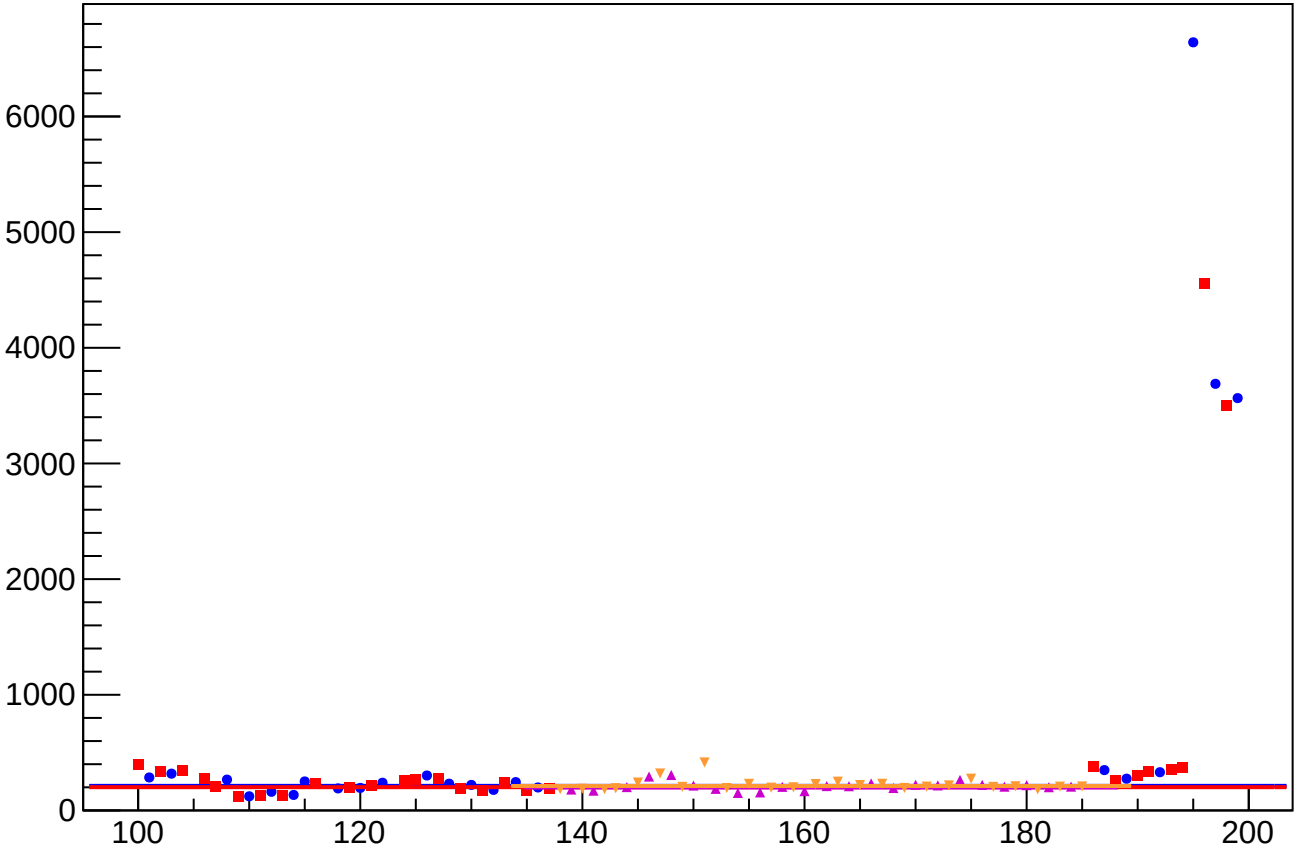
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 349.460+/-40.976 χ^2/NDF: 3247.2/46

All: -7.553+/-28.102 χ^2/NDF: 8902.2/96

- sign -324.598+/-38.615 χ^2/NDF: 5511.6/49

asym_bpm0l08WS_rms vs Slug



Right In: 212.612+/-0.052 χ^2/NDF: 5998872.7/21

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 201.180+/-0.046 χ^2/NDF: 5466397.6/26

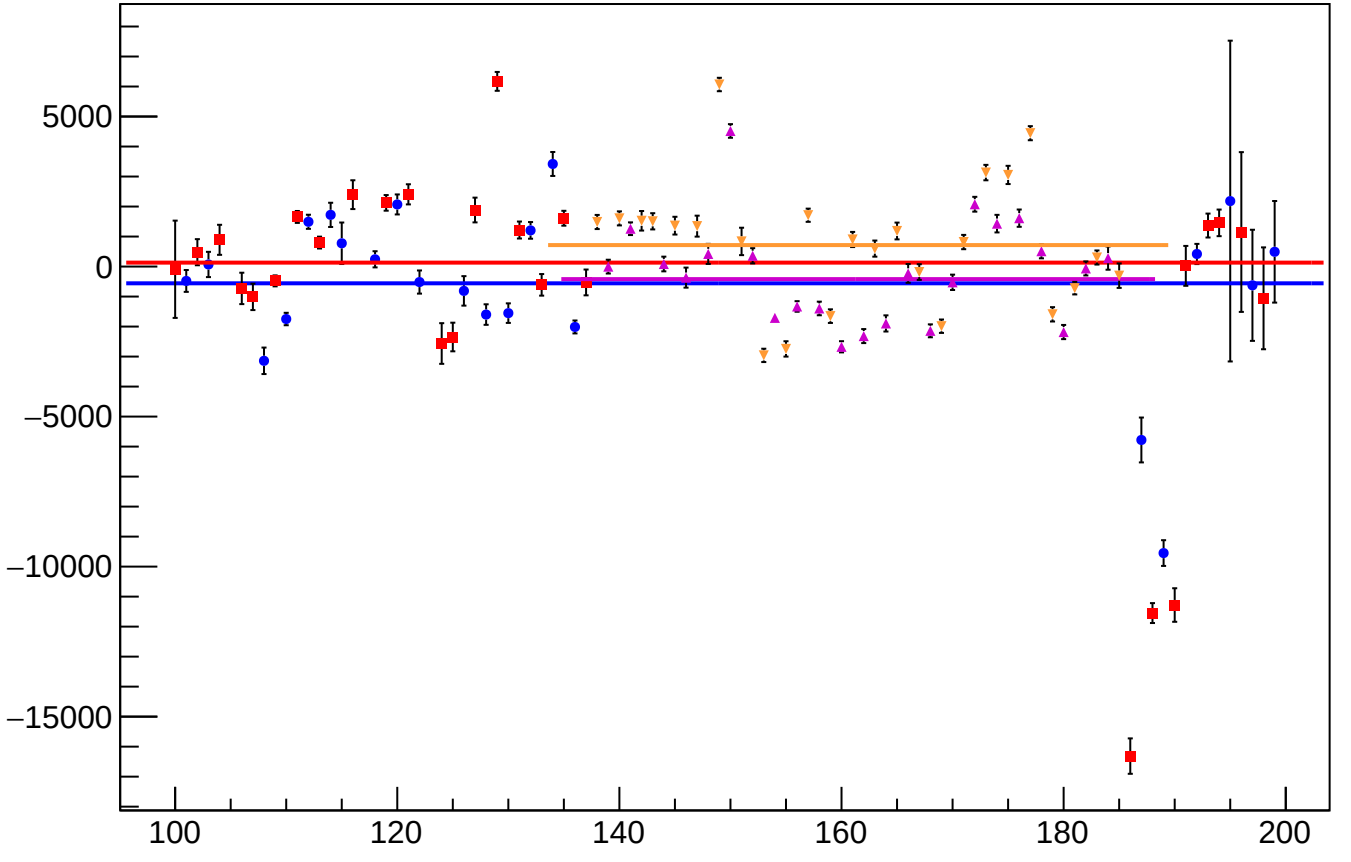
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 211.838+/-0.029 χ^2/NDF: 6934166.4/46

All: 205.276+/-0.020 χ^2/NDF: 13506005.5/96

- sign 199.448+/-0.027 χ^2/NDF: 6475001.9/49

asym_bpm0l09WS_mean vs Slug



Right In: -558.384+/-75.150 χ^2/NDF: 953.7/21

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 131.043+/-67.241 χ^2/NDF: 3159.1/26

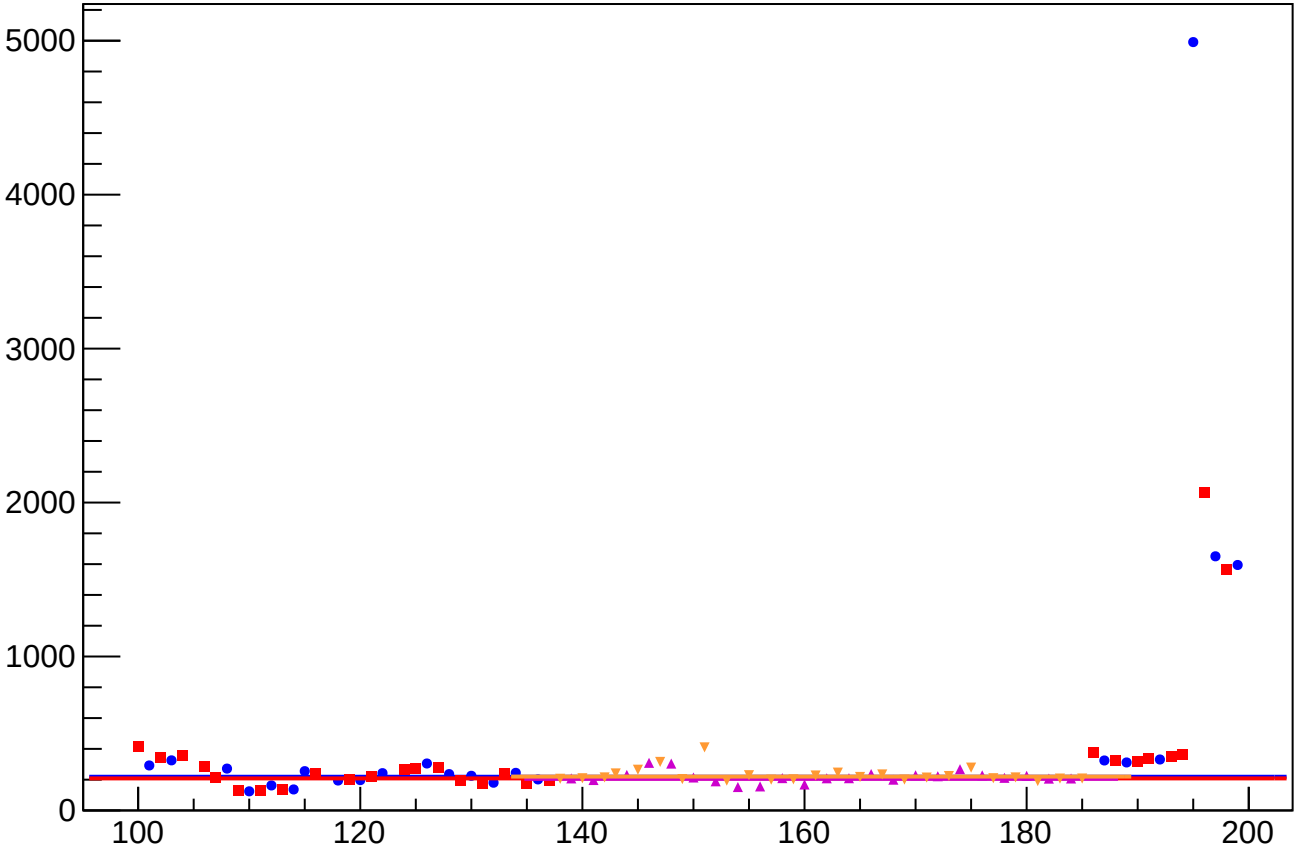
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 312.723+/-42.262 χ^2/NDF: 3068.2/46

All: 28.099+/-29.003 χ^2/NDF: 7597.3/96

- sign -225.285+/-39.875 χ^2/NDF: 4443.4/49

asym_bpm0l09WS_rms vs Slug



Right In: 218.864+/-0.053 χ^2/NDF: 5485878.9/21

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 208.193+/-0.048 χ^2/NDF: 4939082.2/26

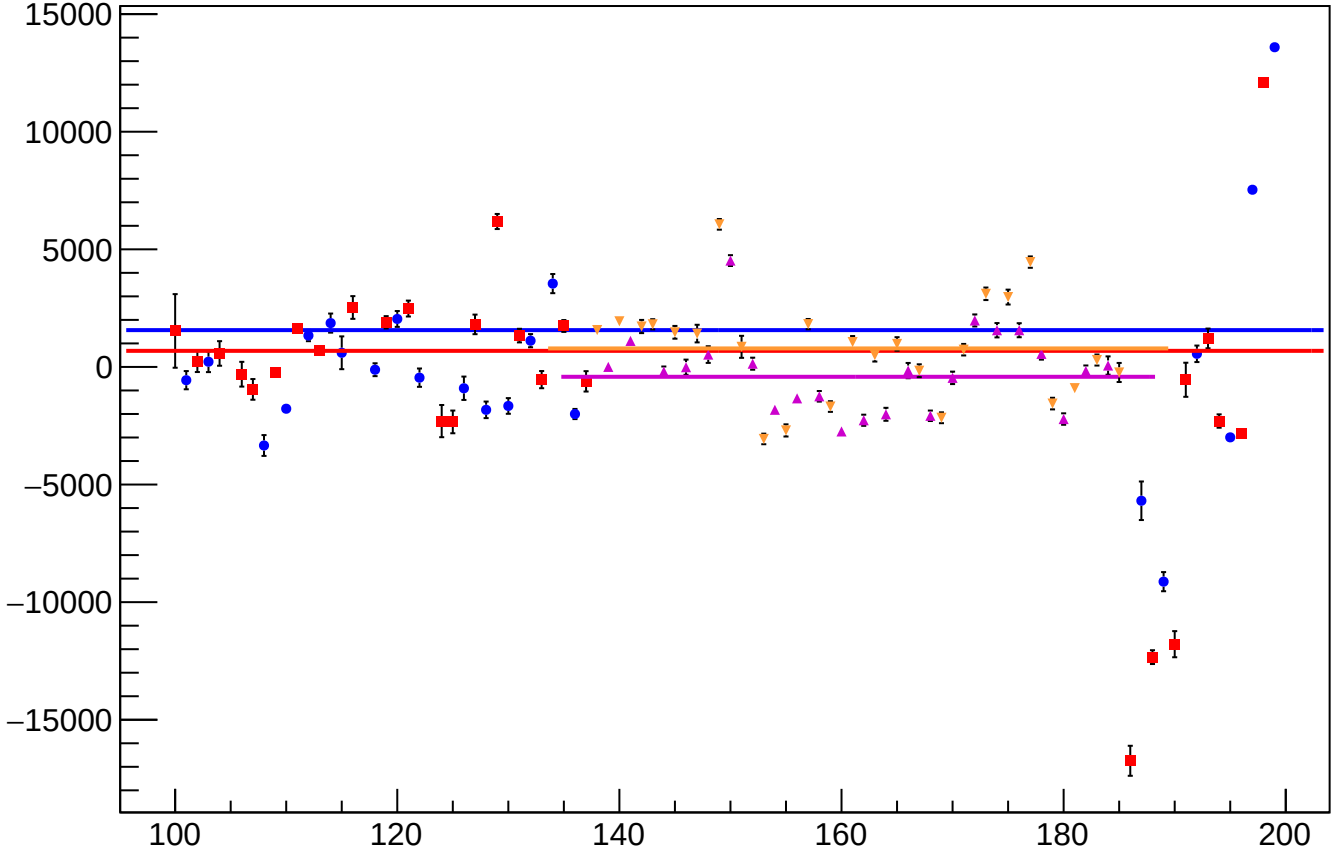
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 219.740+/-0.030 χ^2/NDF: 6285975.6/46

All: 212.701+/-0.021 χ^2/NDF: 12345995.7/96

- sign 206.435+/-0.028 χ^2/NDF: 5955156.2/49

asym_bpm0l10WS_mean vs Slug



Right In: 1565.107+/-63.771 χ^2/NDF: 7024.0/21

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 684.124+/-60.928 χ^2/NDF: 7292.9/26

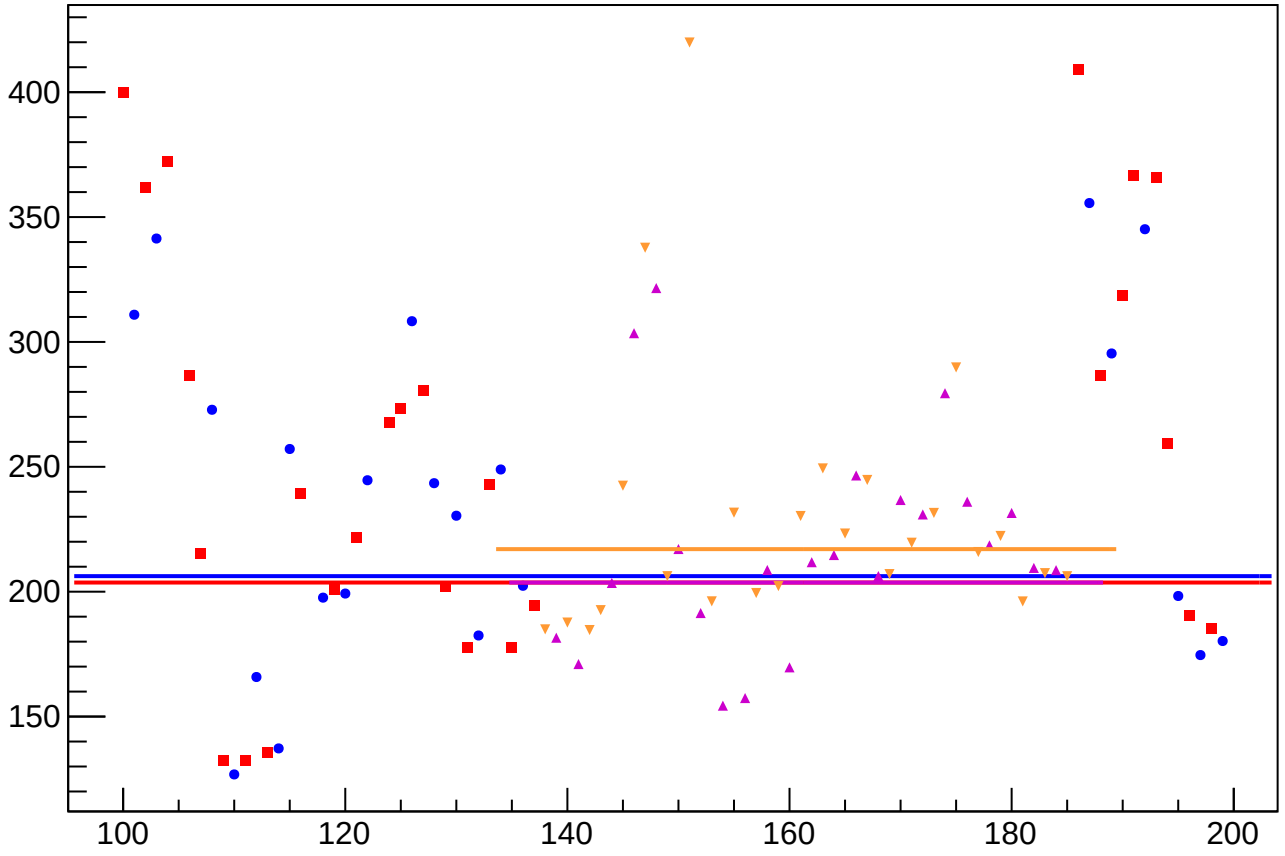
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 1087.016+/-39.601 χ^2/NDF: 9053.1/46

All: 532.993+/-27.514 χ^2/NDF: 18133.8/96

- sign 15.994+/-38.255 χ^2/NDF: 8702.4/49

asym_bpm0l10WS_rms vs Slug



Right In: 206.226+/-0.045 χ^2/NDF: 1531087.2/21

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 203.664+/-0.043 χ^2/NDF: 2461402.1/26

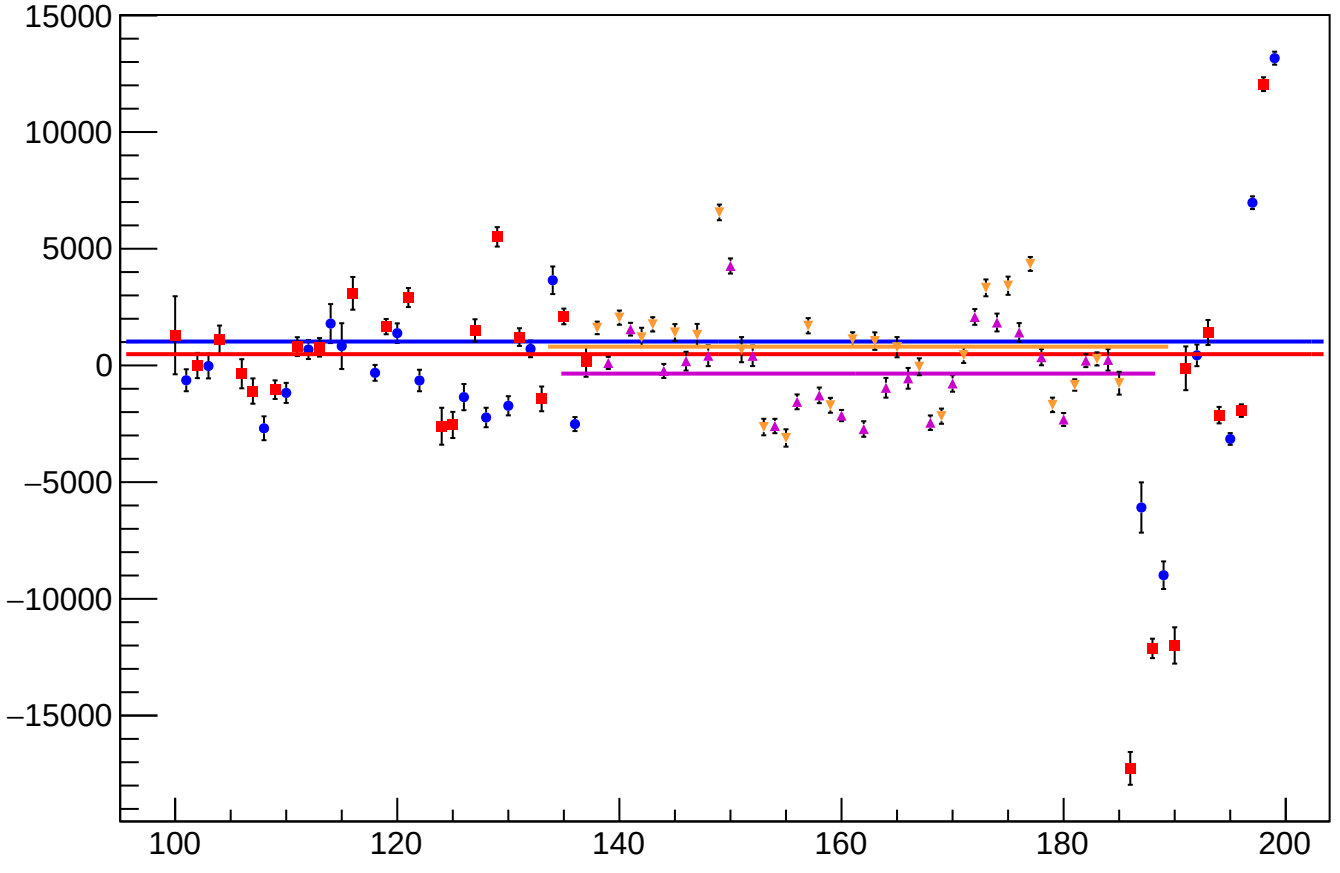
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 212.870+/-0.028 χ^2/NDF: 2549593.2/46

All: 208.107+/-0.019 χ^2/NDF: 6232260.8/96

- sign 203.662+/-0.027 χ^2/NDF: 3626736.9/49

asym_bpm0r03WS_mean vs Slug



Right In: 1024.295+/-87.037 χ^2/NDF: 3386.3/21

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 483.095+/-86.854 χ^2/NDF: 3802.9/26

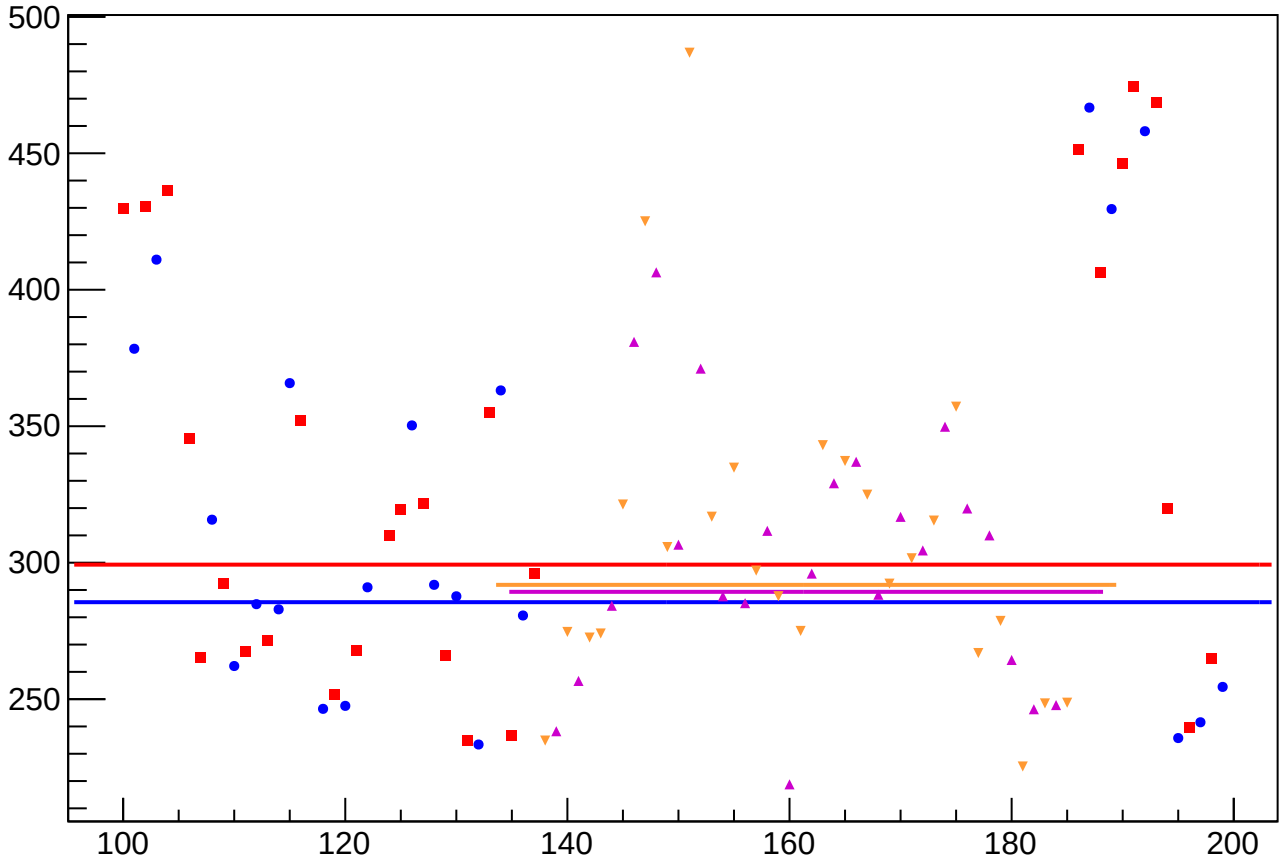
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 886.876+/-53.434 χ^2/NDF: 4448.0/46

All: 434.515+/-37.989 χ^2/NDF: 9108.2/96

- sign -27.799+/-54.019 χ^2/NDF: 4515.4/49

asym_bpm0r03WS_rms vs Slug



Right In: 285.533+/-0.062 χ^2/NDF: 968809.8/21

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 299.285+/-0.061 χ^2/NDF: 1206598.1/26

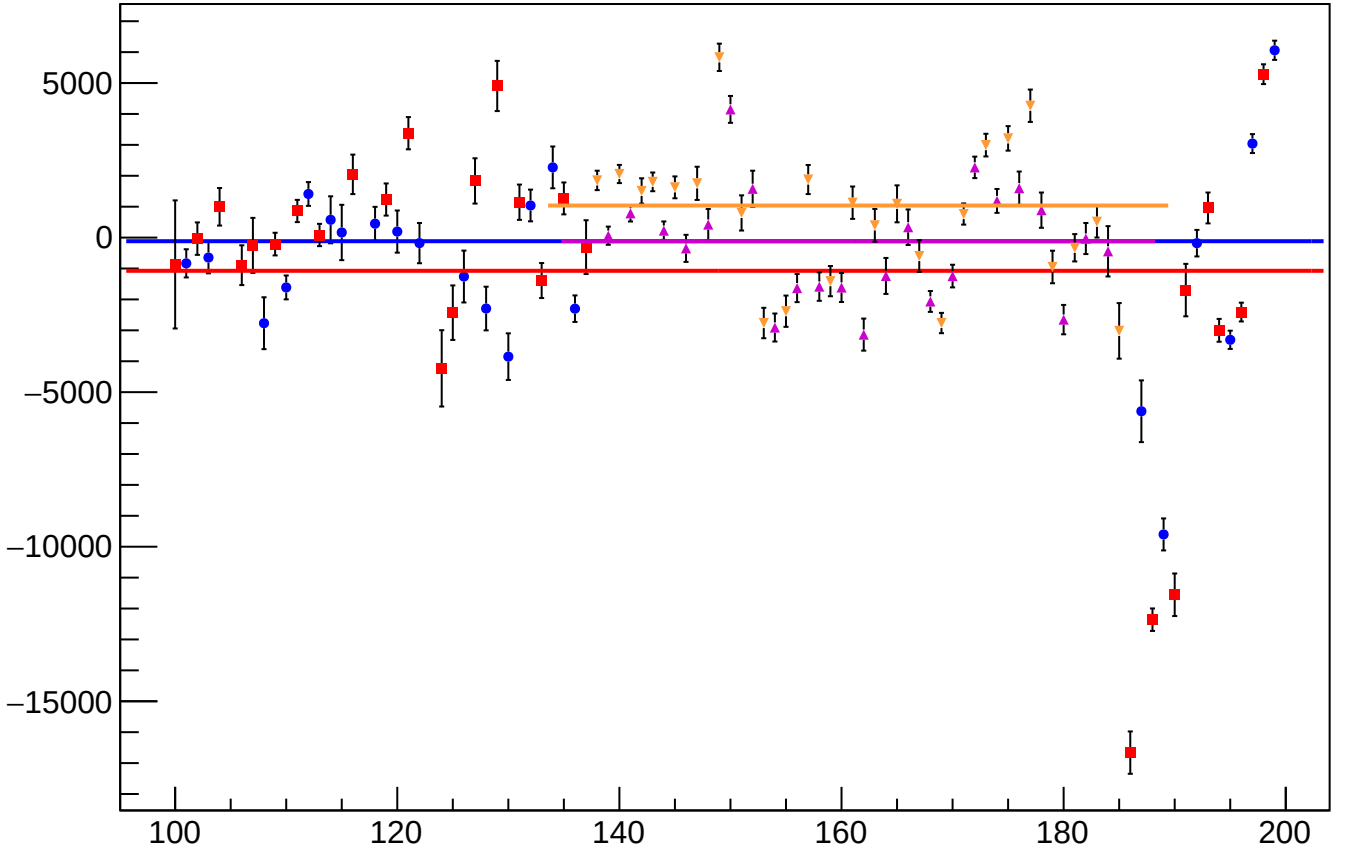
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 289.489+/-0.038 χ^2/NDF: 1935361.7/46

All: 291.312+/-0.027 χ^2/NDF: 3971412.4/96

- sign 293.175+/-0.038 χ^2/NDF: 2031343.8/49

asym_bpm0r05WS_mean vs Slug



Right In: -116.753+/-103.333 χ^2/NDF: 1110.6/21

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1073.992+/-97.768 χ^2/NDF: 2464.6/26

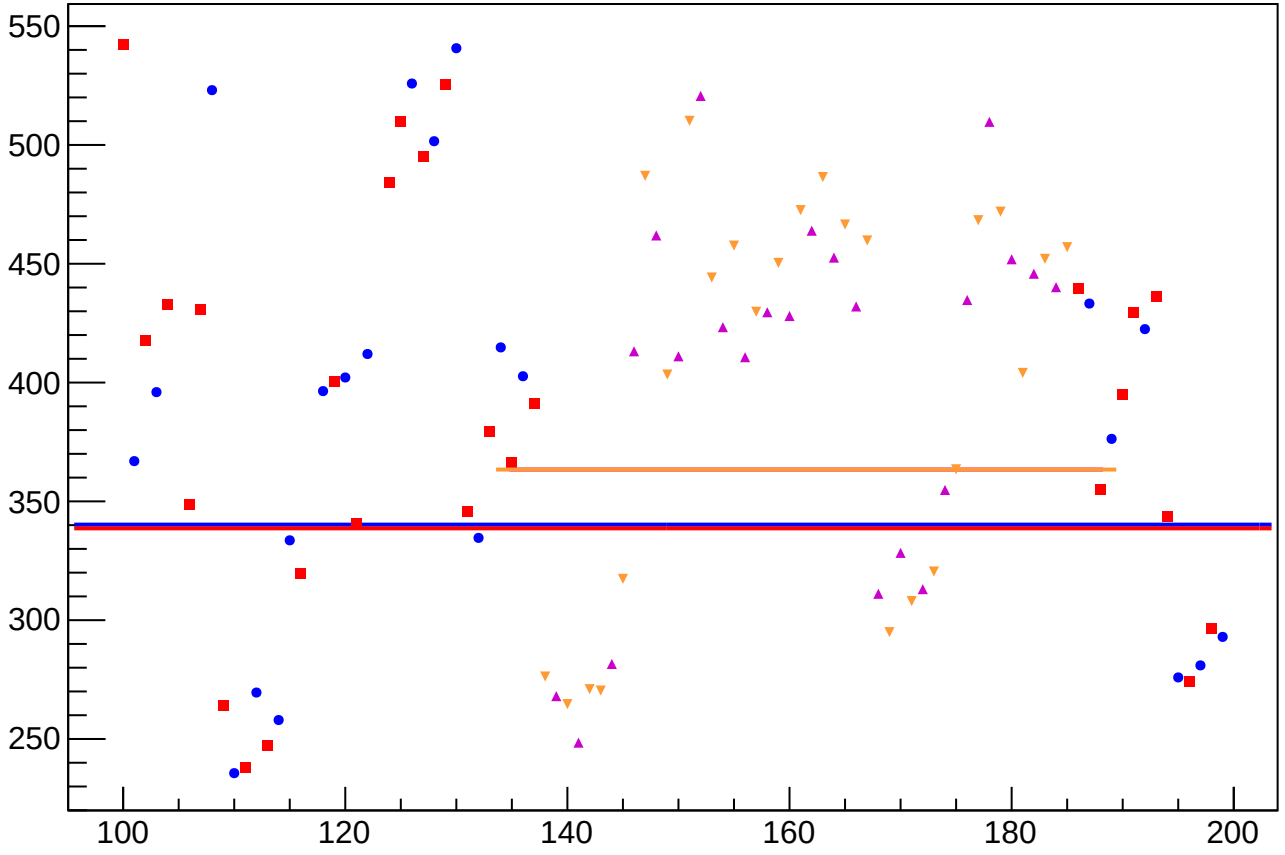
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

\+ sign 570.270+/-65.737 χ^2/NDF: 1755.0/46

All: 9.179+/-46.286 χ^2/NDF: 4787.7/96

\- sign -542.529+/-65.185 χ^2/NDF: 2888.2/49

asym_bpm0r05WS_rms vs Slug



Right In: 340.210+/-0.073 χ^2/NDF: 1152715.5/21

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 338.644+/-0.069 χ^2/NDF: 1141719.2/26

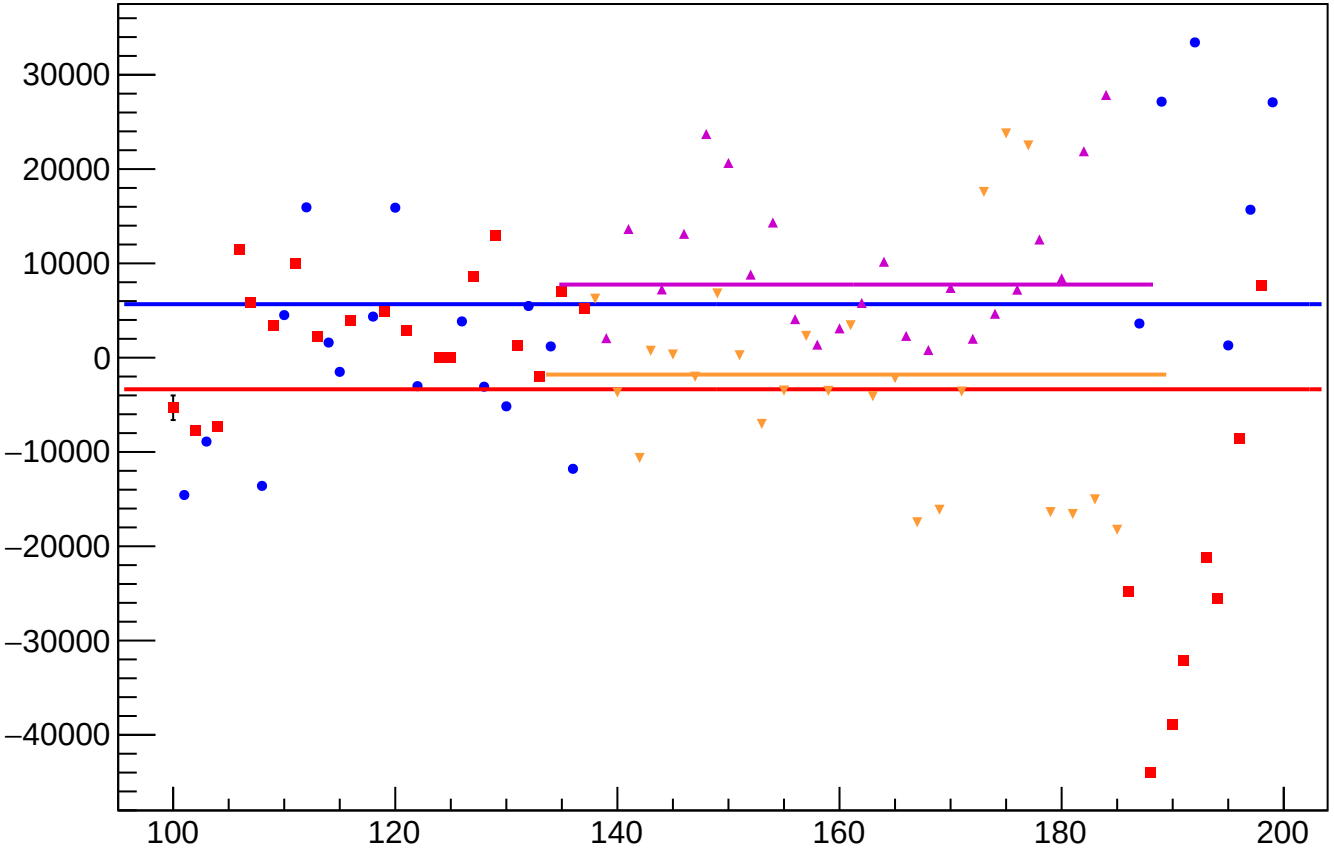
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 354.007+/-0.046 χ^2/NDF: 3153107.9/46

All: 353.191+/-0.033 χ^2/NDF: 6078191.3/96

- sign 352.387+/-0.046 χ^2/NDF: 2924471.1/49

asym_bpm0i02WS_mean vs Slug



Right In: 5672.826+/-45.683 χ^2/NDF: 88161.5/21

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3350.445+/-43.214 χ^2/NDF: 132392.9/26

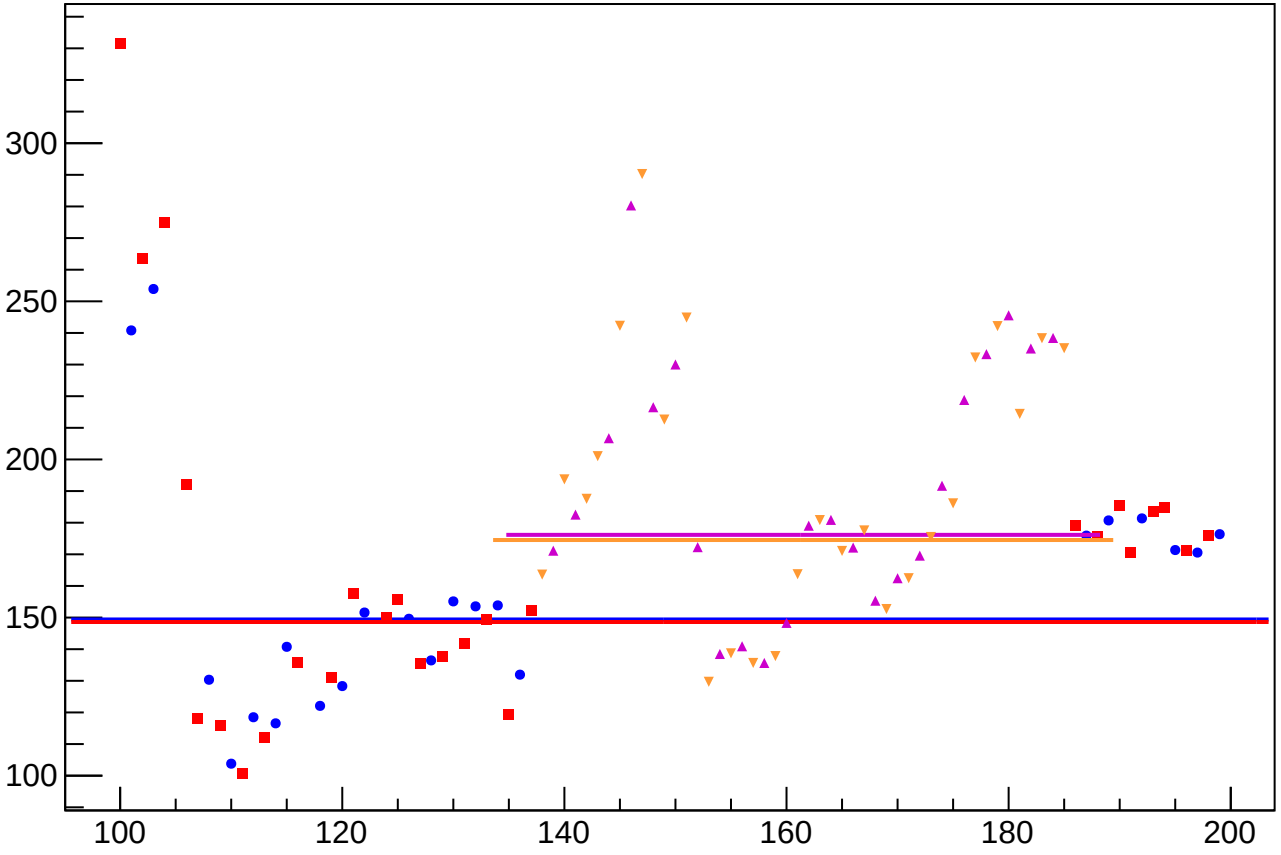
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1531.157+/-30.476 χ^2/NDF: 168718.5/46

All: 1910.024+/-21.497 χ^2/NDF: 358210.1/96

- sign 2285.196+/-30.327 χ^2/NDF: 189184.0/49

asym_bpm0i02WS_rms vs Slug



Right In: 149.398+/-0.032 χ^2/NDF: 931644.4/21

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 148.601+/-0.031 χ^2/NDF: 1320529.1/26

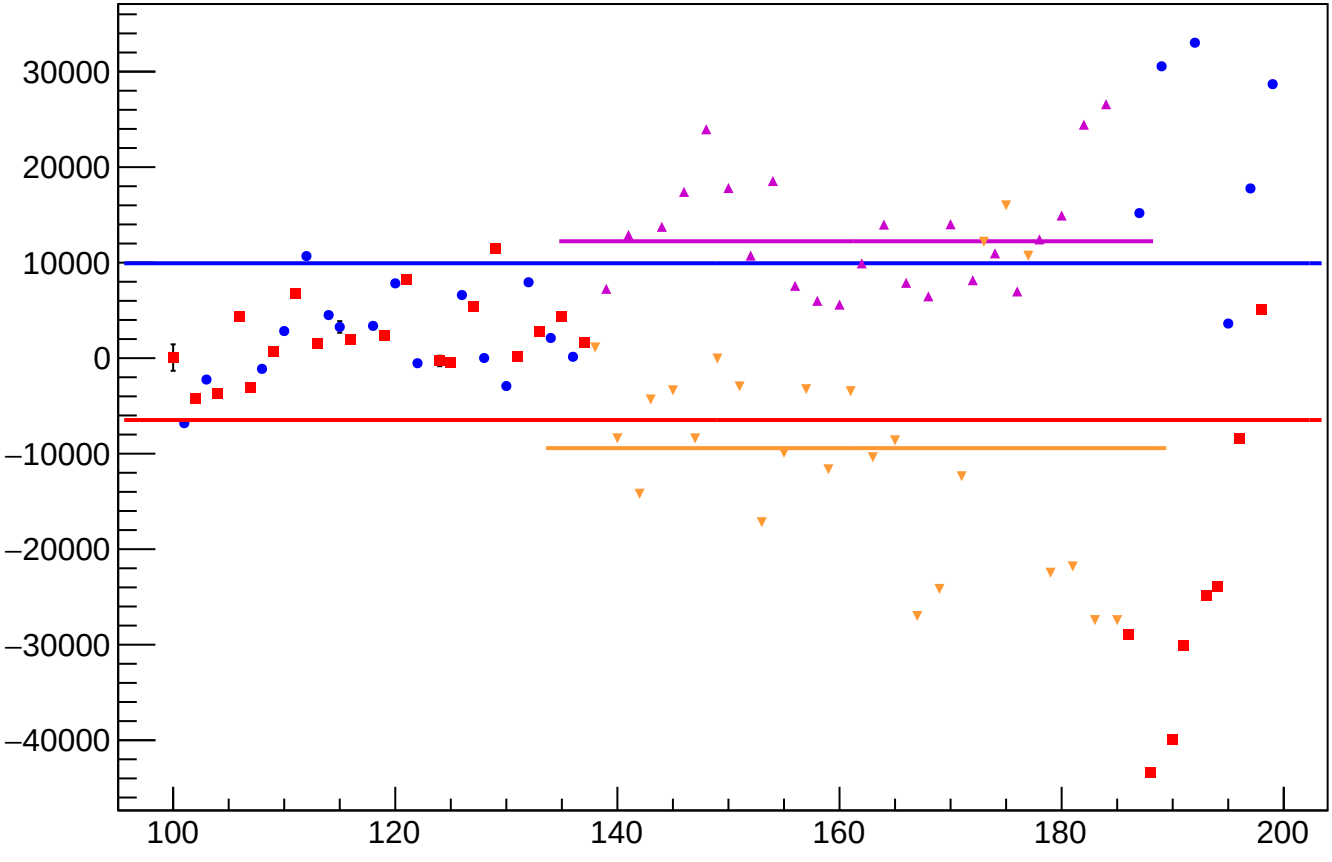
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 163.340+/-0.022 χ^2/NDF: 2926788.4/46

All: 162.960+/-0.015 χ^2/NDF: 6027640.3/96

- sign 162.584+/-0.021 χ^2/NDF: 3100234.3/49

asym_bpm0i02aWS_mean vs Slug



Right In: 9936.995+/-53.730 χ^2/NDF: 48089.5/21

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6477.338+/-50.329 χ^2/NDF: 102141.8/26

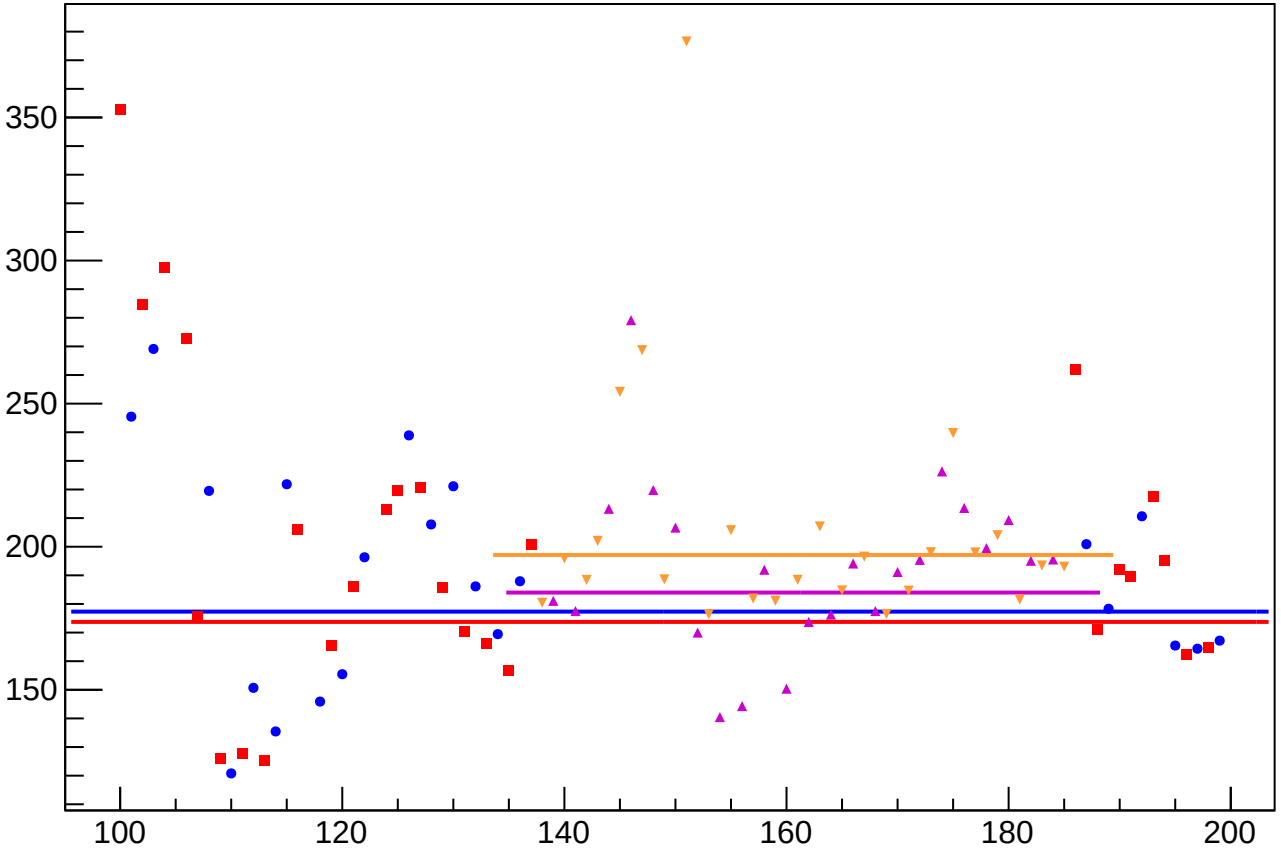
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -1295.212+/-34.810 χ^2/NDF: 188121.7/46

All: 1524.189+/-24.028 χ^2/NDF: 396890.7/96

- sign 4090.120+/-33.209 χ^2/NDF: 196238.9/49

asym_bpm0i02aWS_rms vs Slug



Right In: 177.321+/-0.038 χ^2/NDF: 754745.1/21

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.735+/-0.036 χ^2/NDF: 1192524.8/26

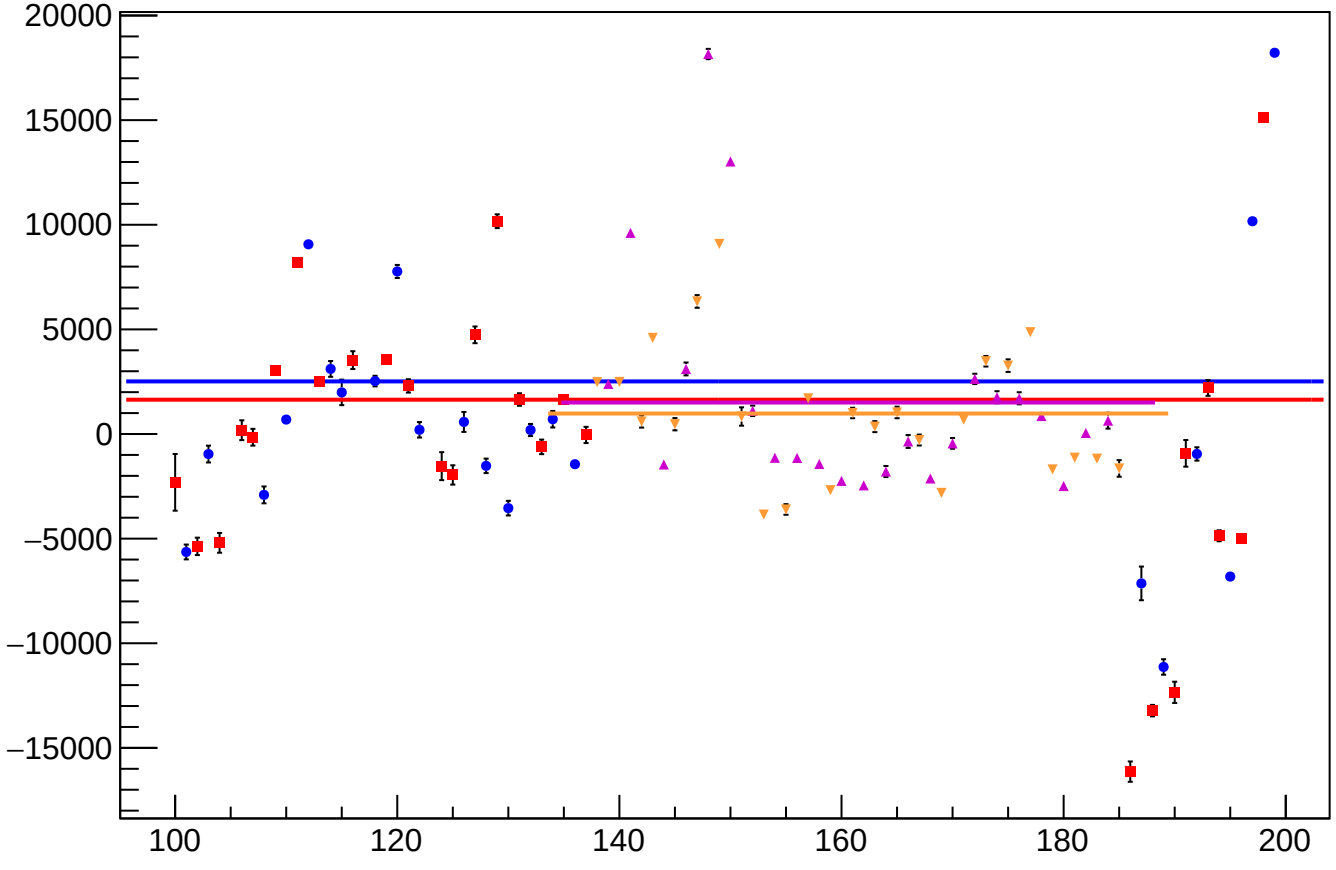
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.811+/-0.025 χ^2/NDF: 1644888.6/46

All: 183.948+/-0.017 χ^2/NDF: 3788587.6/96

- sign 179.522+/-0.023 χ^2/NDF: 2069147.4/49

asym_bpm0i05WS_mean vs Slug



Right In: 2513.668+/-60.682 χ^2/NDF: 14941.9/21

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1640.511+/-57.121 χ^2/NDF: 14242.7/26

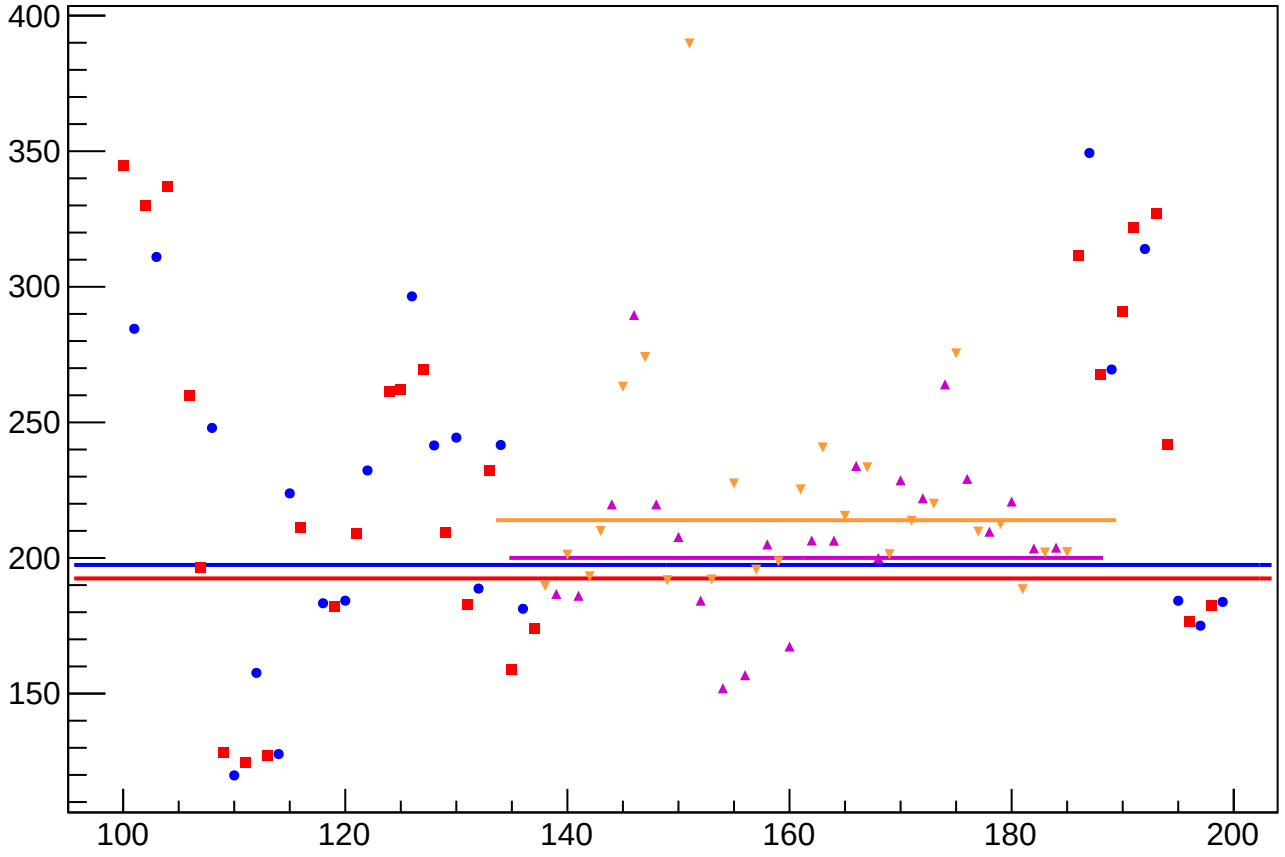
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1593.420+/-38.407 χ^2/NDF: 19648.5/46

All: 1576.615+/-26.560 χ^2/NDF: 45375.4/96

- sign 1561.210+/-36.771 χ^2/NDF: 25726.6/49

asym_bpm0i05WS_rms vs Slug



Right In: 197.434+/-0.043 χ^2/NDF: 1429382.0/21

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

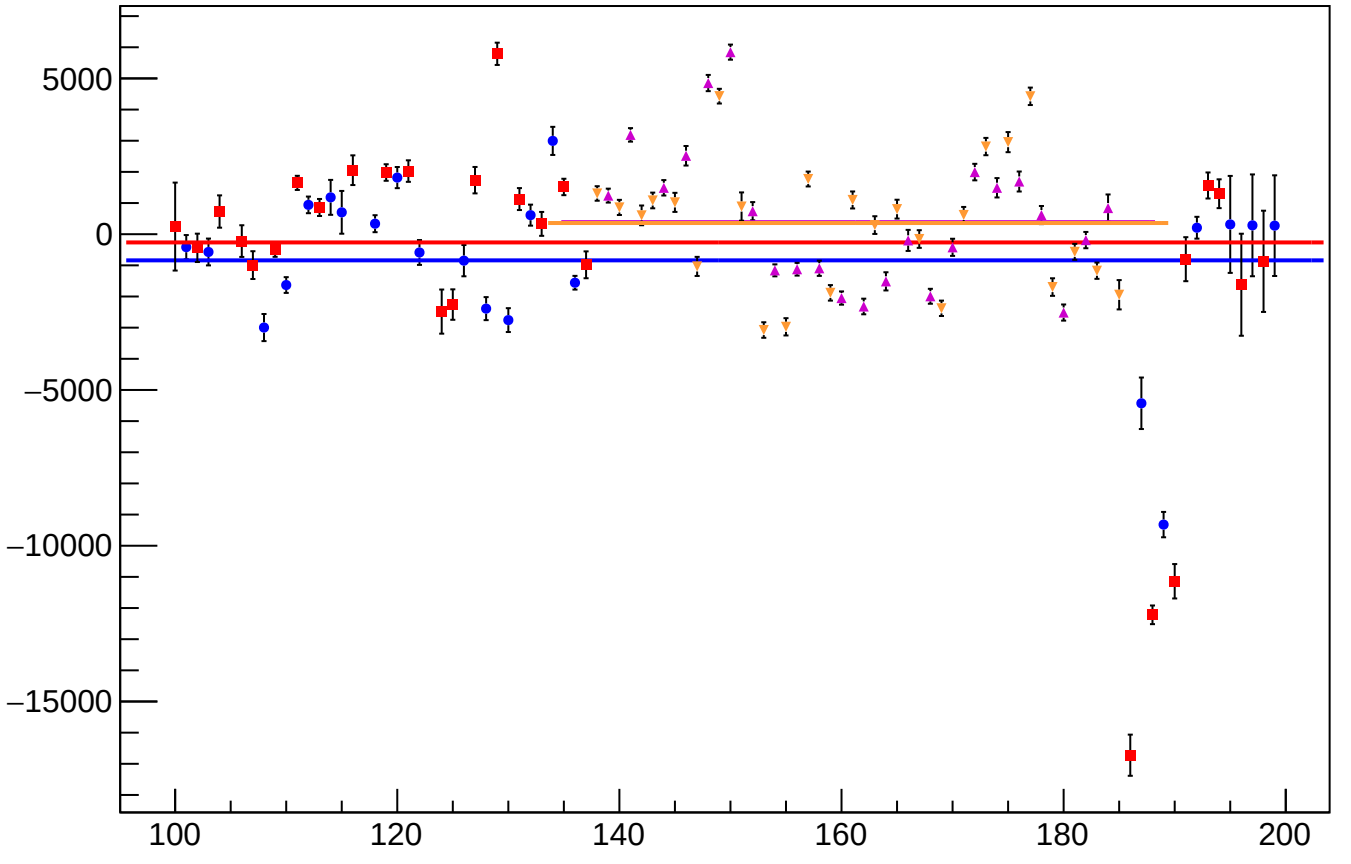
Right Out: 192.459+/-0.040 χ^2/NDF: 2232948.7/26

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 207.323+/-0.027 χ^2/NDF: 2251624.6/46

All: 201.881+/-0.019 χ^2/NDF: 5367626.2/96

- sign 196.893+/-0.026 χ^2/NDF: 3039050.6/49



Right In: -839.901+/-81.677 χ^2/NDF: 797.8/21

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -264.489+/-74.026 χ^2/NDF: 3268.9/26

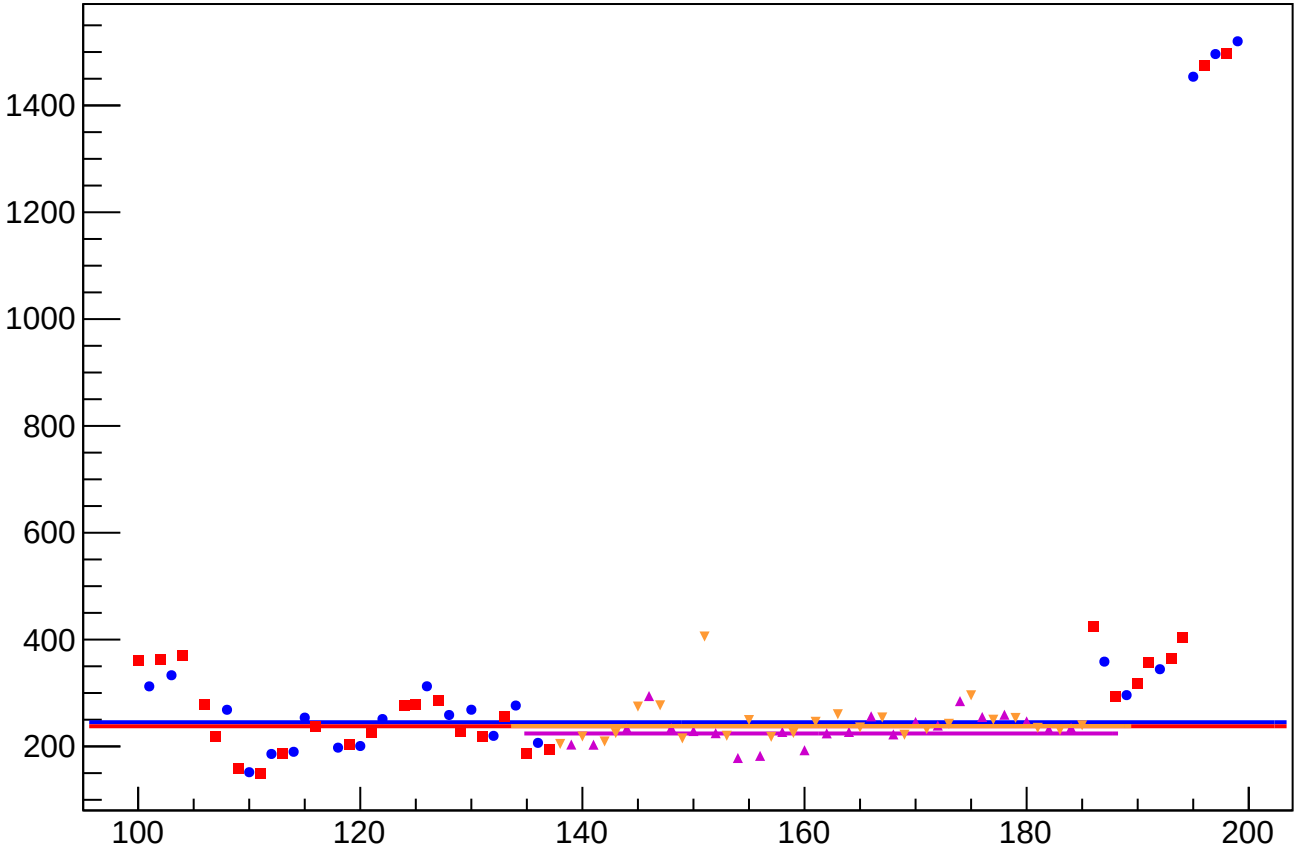
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.172+/-45.616 χ^2/NDF: 2364.8/46

All: 78.540+/-31.434 χ^2/NDF: 7496.7/96

- sign 163.275+/-43.376 χ^2/NDF: 5123.9/49

asym_bpm0i07WS_rms vs Slug



Right In: 245.252+/-0.058 χ^2/NDF: 4617849.8/21

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 237.719+/-0.052 χ^2/NDF: 4253490.7/26

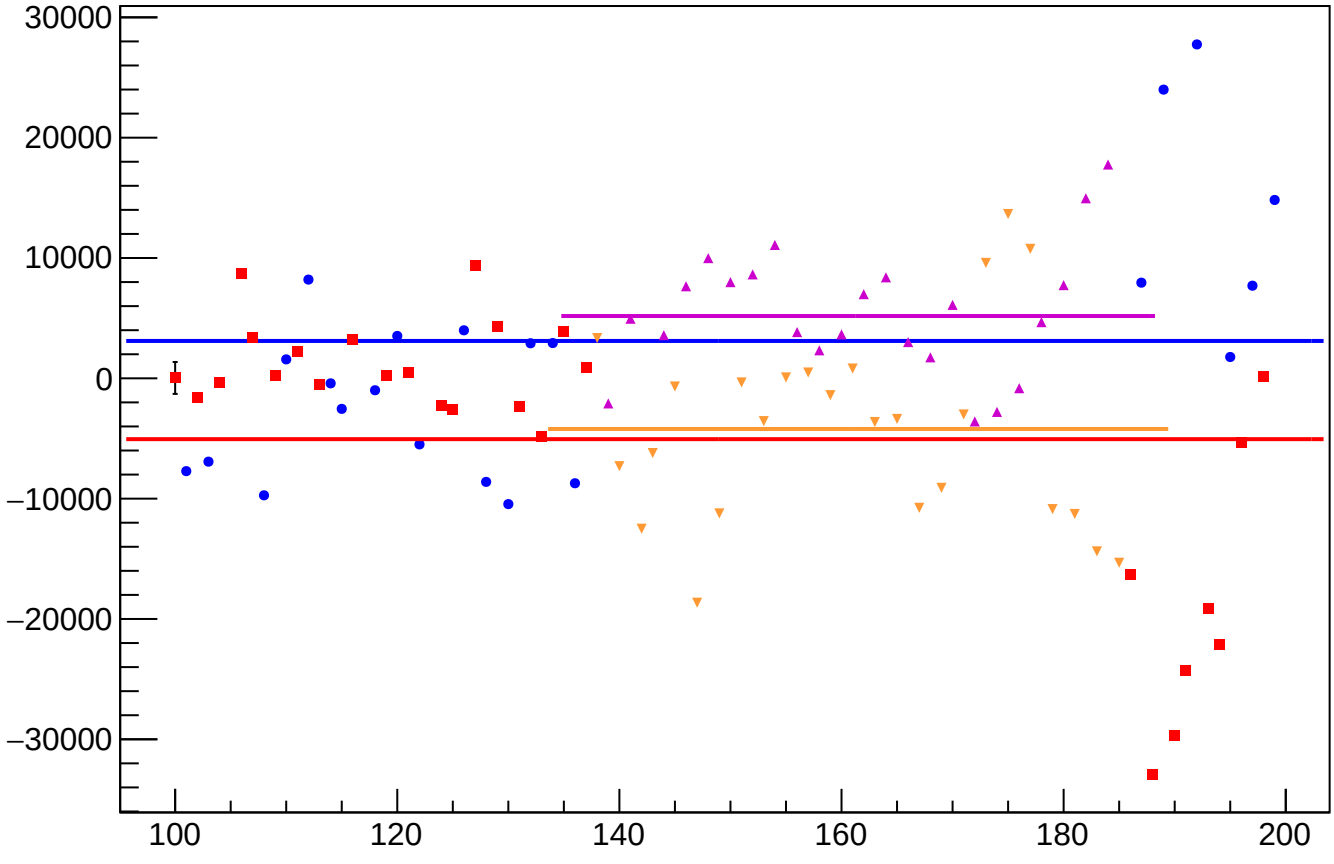
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 240.399+/-0.032 χ^2/NDF: 5196046.9/46

All: 234.334+/-0.022 χ^2/NDF: 10123822.4/96

- sign 228.849+/-0.031 χ^2/NDF: 4860442.5/49

asym_bpm1i02WS_mean vs Slug



Right In: 3106.169+/-38.783 χ^2/NDF: 75615.6/21

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5055.616+/-36.445 χ^2/NDF: 102274.1/26

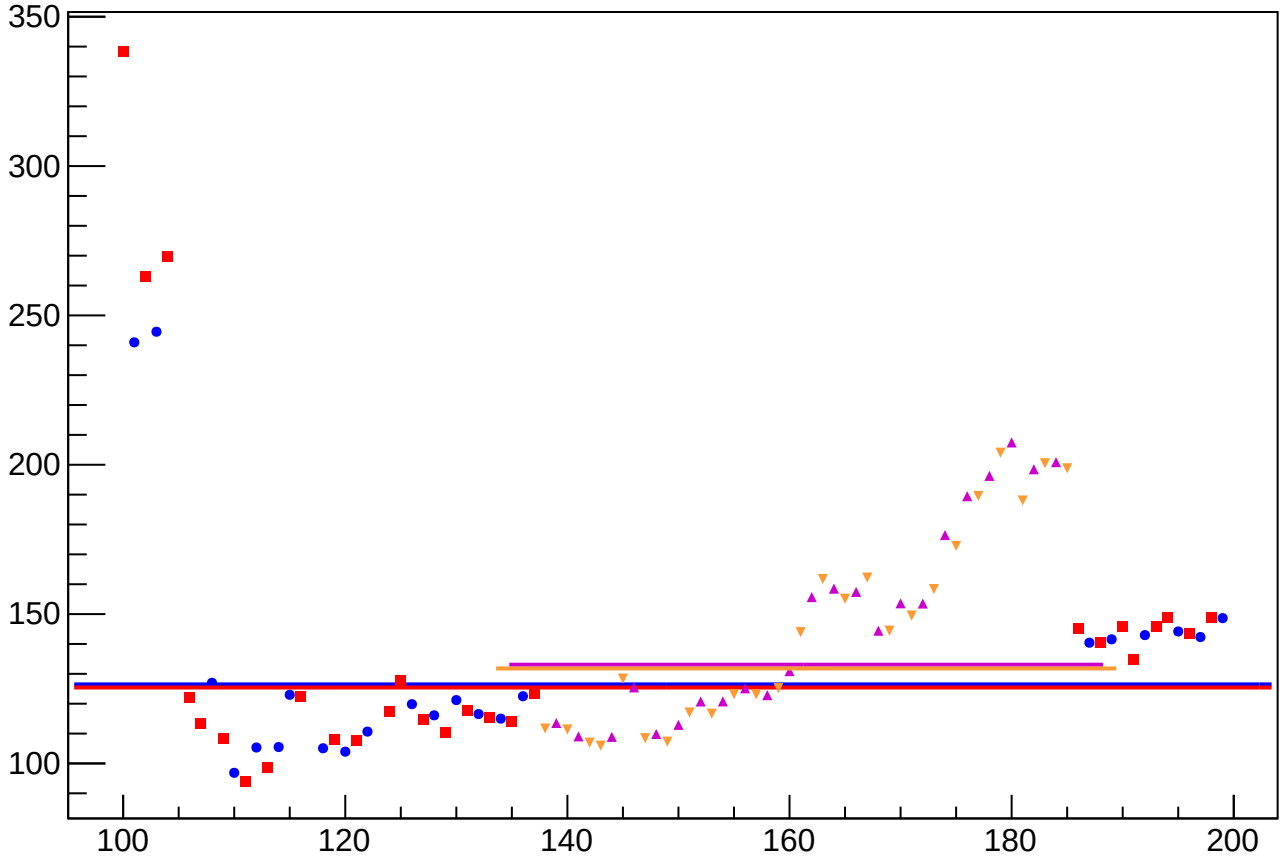
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1377.595+/-24.133 χ^2/NDF: 154228.9/46

All: -320.472+/-17.029 χ^2/NDF: 323427.5/96

- sign 727.925+/-24.033 χ^2/NDF: 165376.9/49

asym_bpm1i02WS_rms vs Slug



Right In: 126.463+/-0.027 χ^2/NDF: 919149.8/21

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 125.421+/-0.026 χ^2/NDF: 1154871.7/26

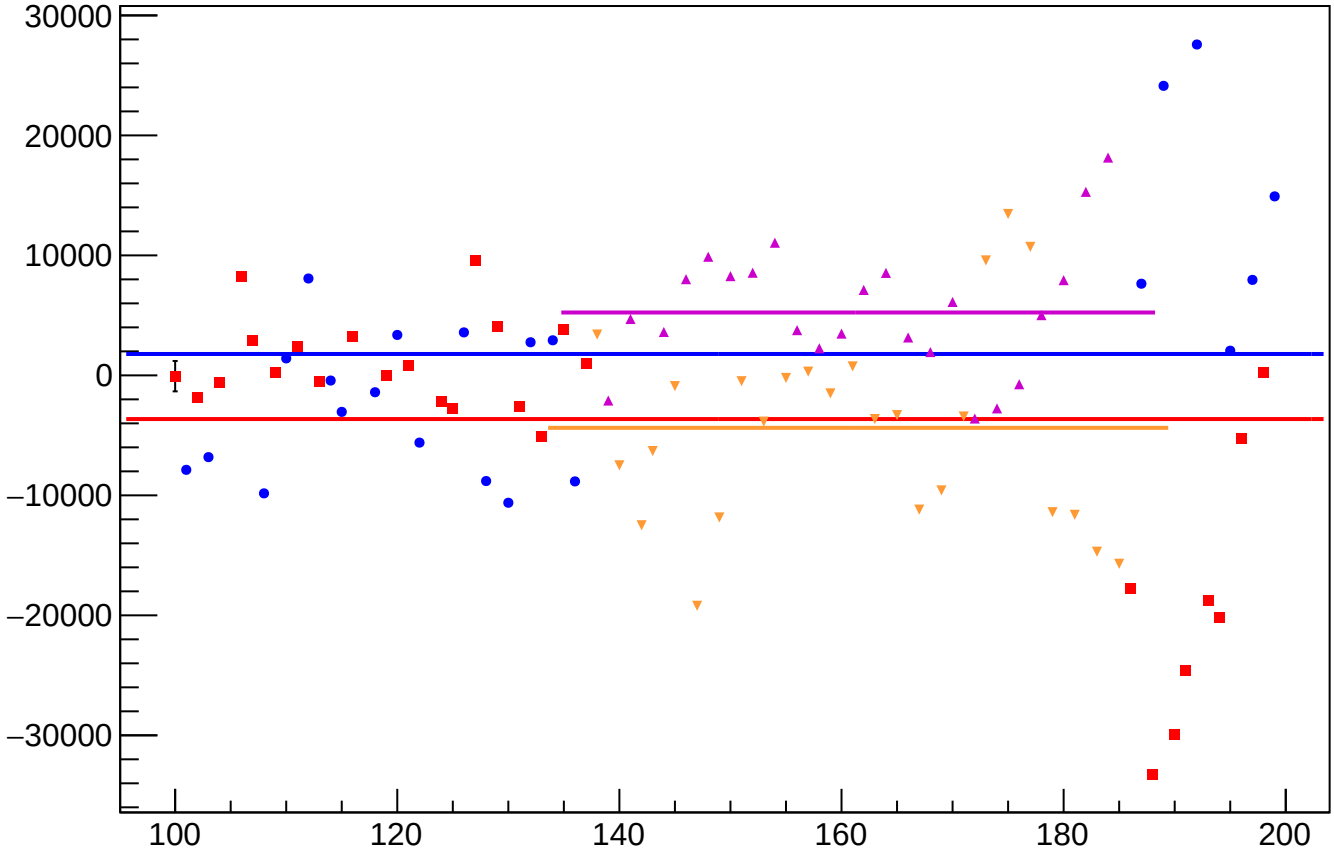
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 129.732+/-0.017 χ^2/NDF: 2486679.0/46

All: 129.735+/-0.012 χ^2/NDF: 5109479.1/96

- sign 129.739+/-0.017 χ^2/NDF: 2622800.0/49

asym_bpm1i04WS_mean vs Slug



Right In: 1782.423+/-34.483 χ^2/NDF: 82520.3/21

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -3640.612+/-32.546 χ^2/NDF: 109640.4/26

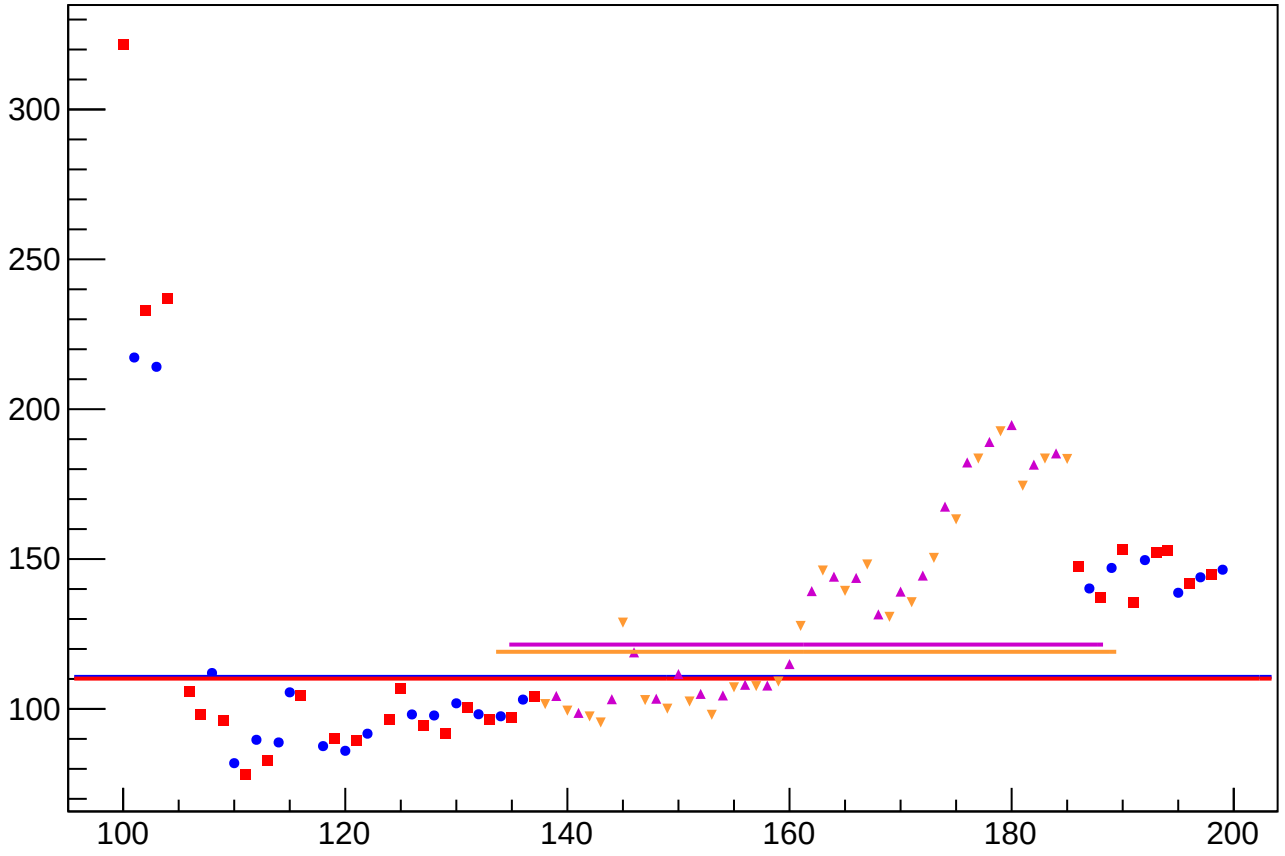
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -1931.674+/-21.716 χ^2/NDF: 168965.0/46

All: -332.974+/-15.369 χ^2/NDF: 352921.5/96

- sign 1271.662+/-21.756 χ^2/NDF: 173096.5/49

asym_bpm1i04WS_rms vs Slug



Right In: 110.686+/-0.024 χ^2/NDF: 1439371.6/21

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 110.117+/-0.023 χ^2/NDF: 1787052.0/26

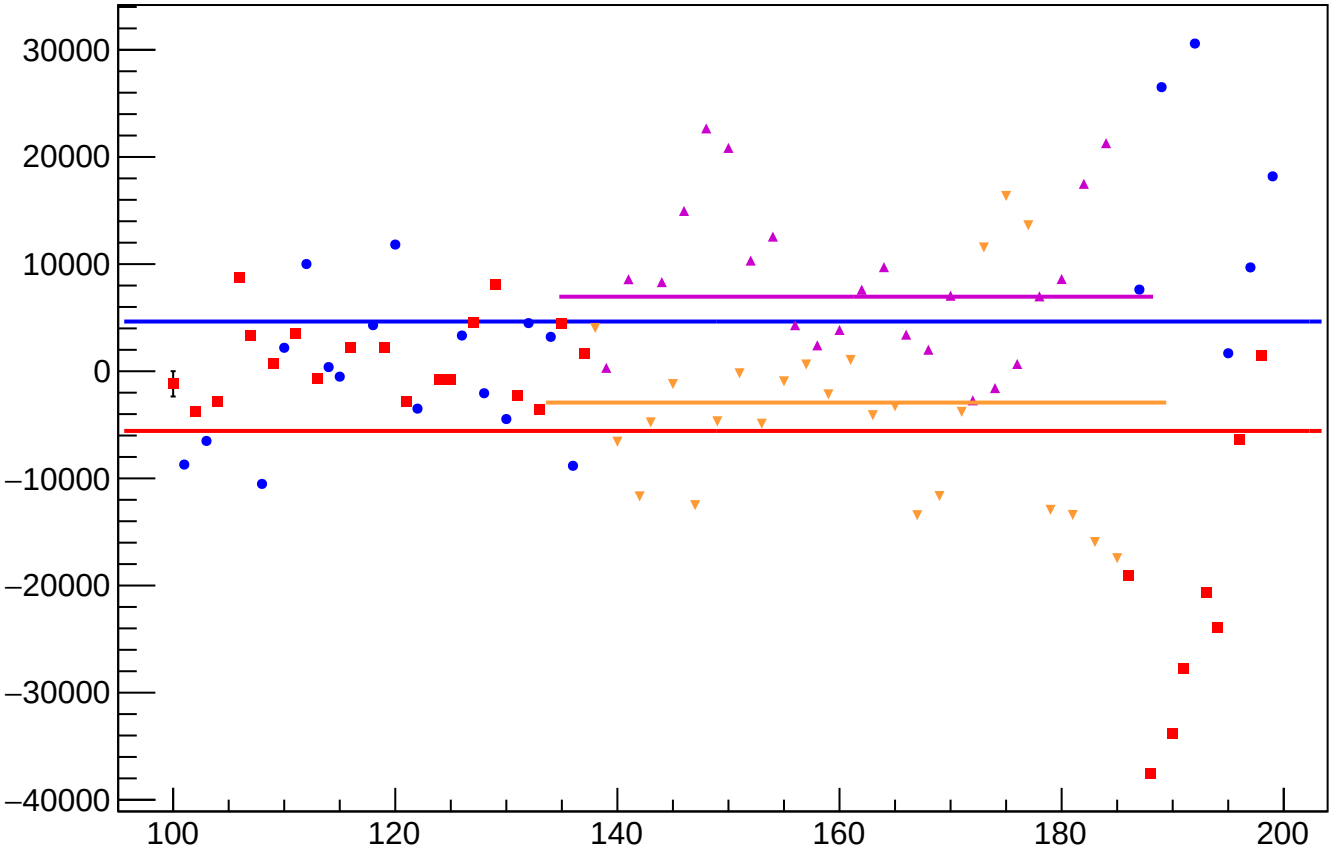
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 115.741+/-0.015 χ^2/NDF: 3266045.3/46

All: 116.068+/-0.011 χ^2/NDF: 6717940.9/96

- sign 116.396+/-0.015 χ^2/NDF: 3450988.7/49

asym_bpm1i06WS_mean vs Slug



Right In: 4640.829+/-45.388 χ^2/NDF: 60368.6/21

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -5570.513+/-42.933 χ^2/NDF: 91673.9/26

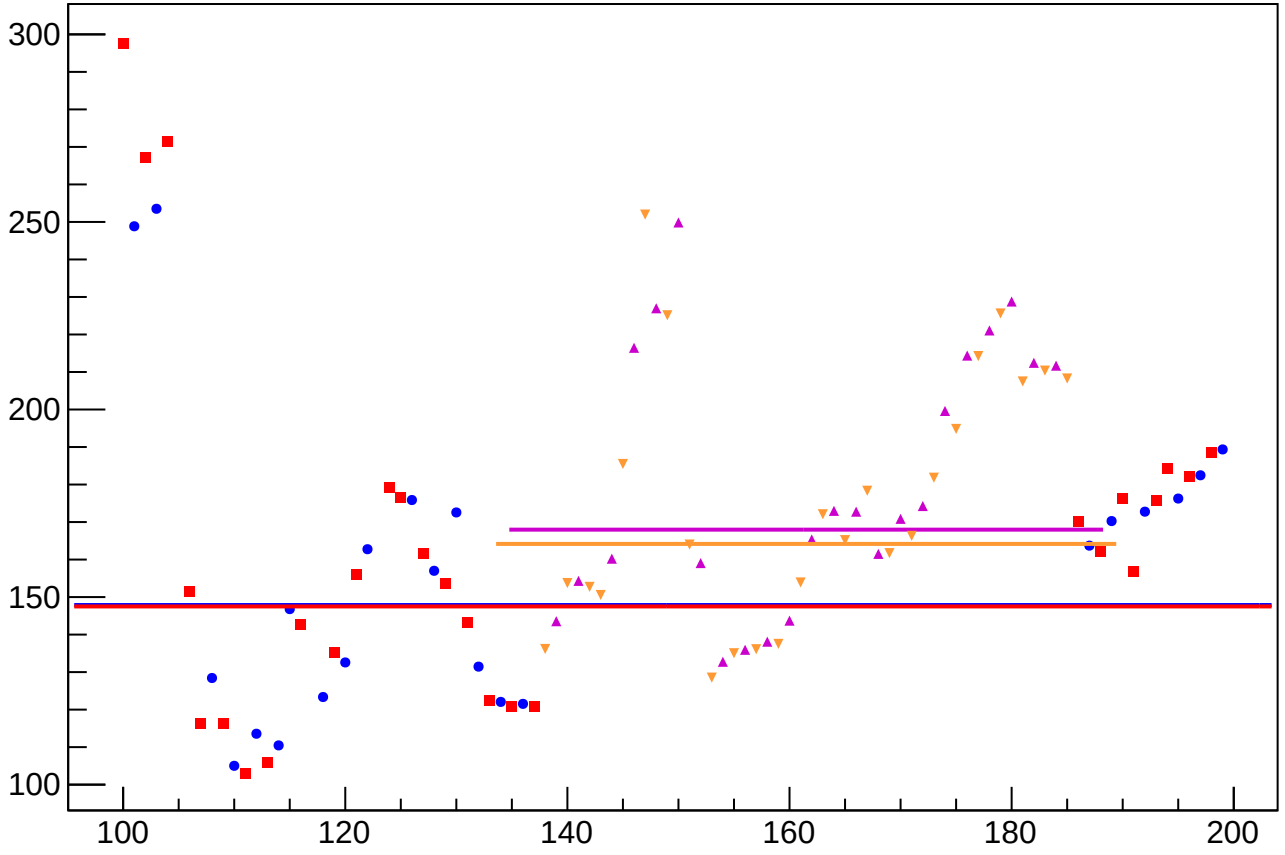
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 211.776+/-29.220 χ^2/NDF: 114683.1/46

All: 652.532+/-20.711 χ^2/NDF: 274472.5/96

- sign 1097.588+/-29.362 χ^2/NDF: 159332.1/49

asym_bpm1i06WS_rms vs Slug



Right In: 147.877+/-0.032 χ^2/NDF: 1142069.2/21

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 147.504+/-0.030 χ^2/NDF: 1344807.5/26

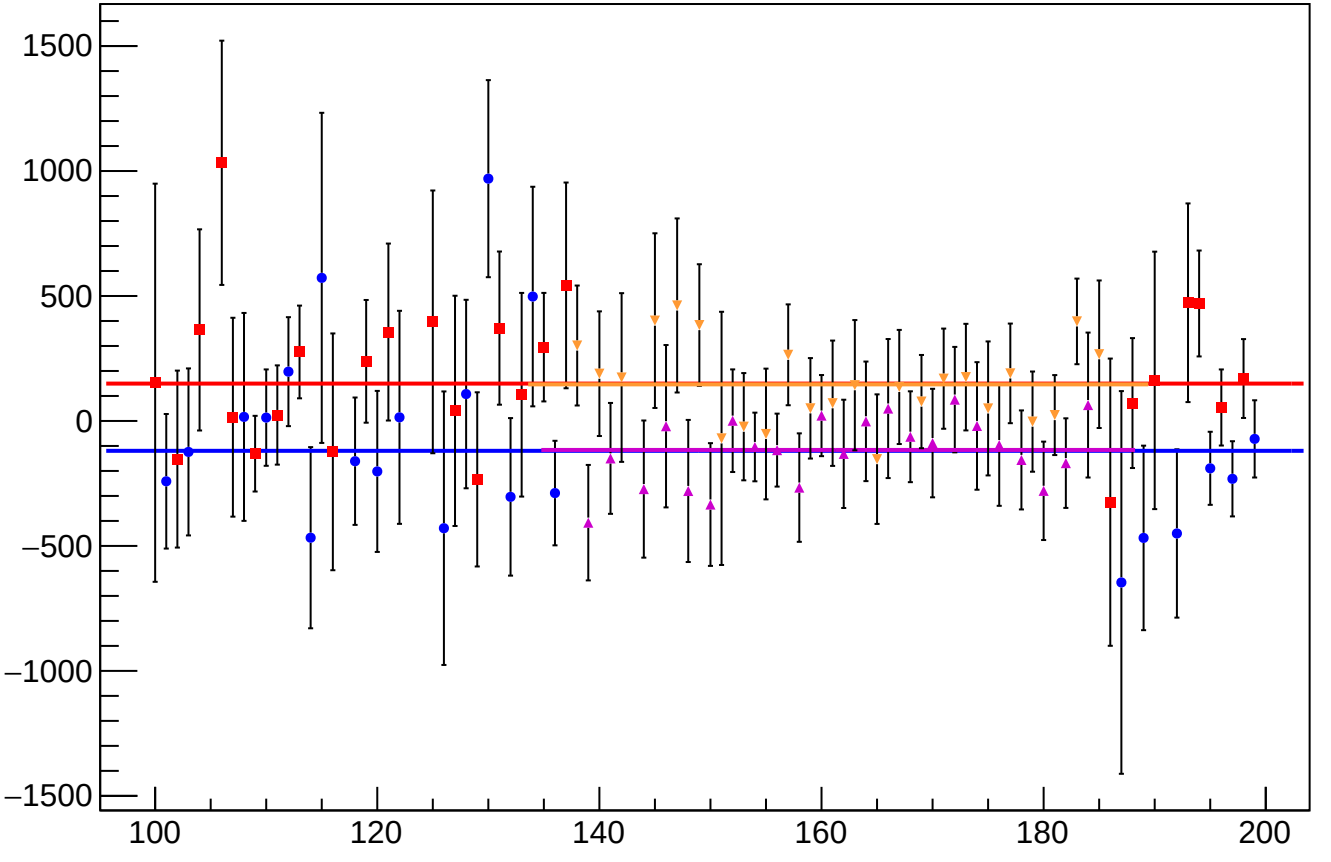
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 157.419+/-0.021 χ^2/NDF: 2517425.0/46

All: 157.907+/-0.015 χ^2/NDF: 5328140.6/96

- sign 158.400+/-0.021 χ^2/NDF: 2809593.0/49

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -119.500+/-55.674 χ^2/NDF: 19.6/21

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 149.507+/-53.668 χ^2/NDF: 17.0/24

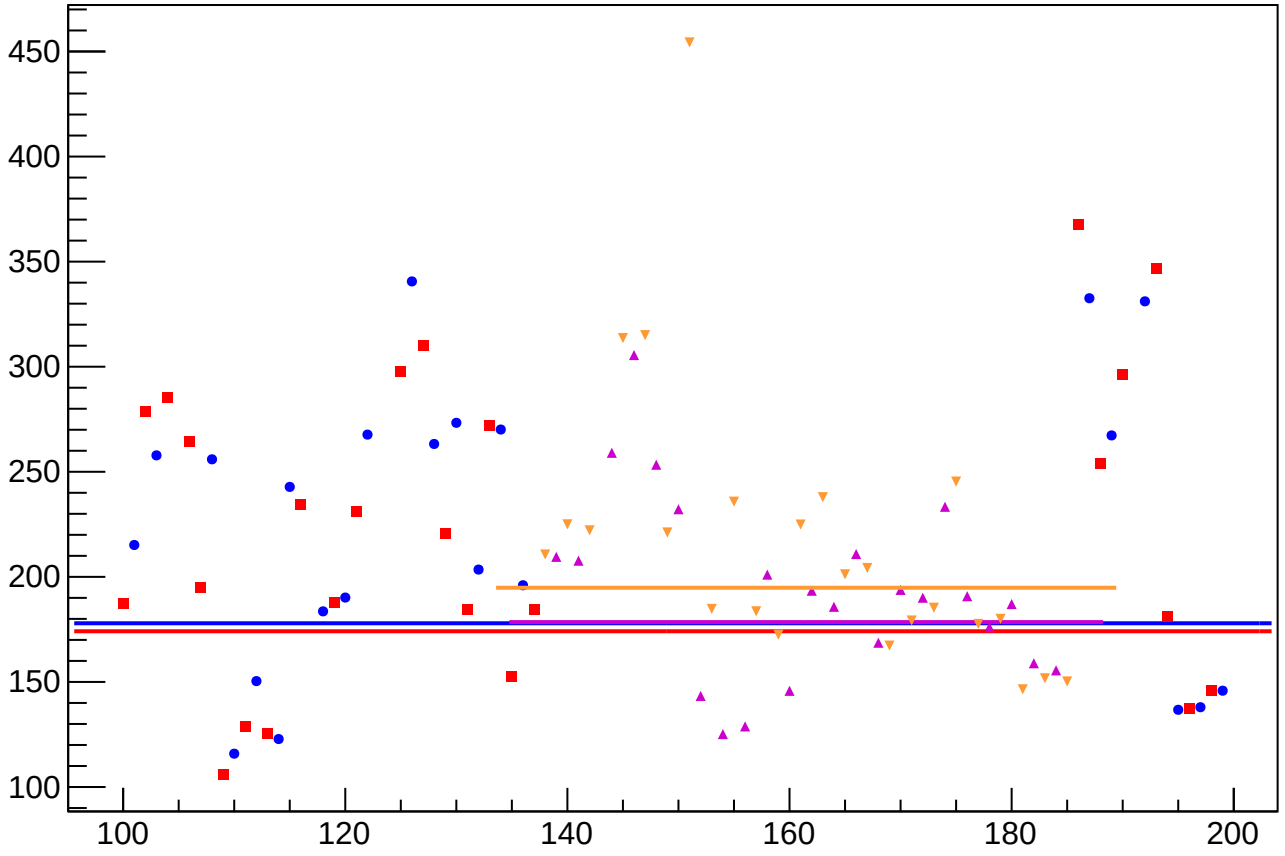
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 35.922+/-35.882 χ^2/NDF: 42.9/45

All: 11.403+/-24.620 χ^2/NDF: 83.1/93

- sign -10.407+/-33.842 χ^2/NDF: 39.4/47

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 177.917+/-0.039 χ^2/NDF: 2131561.7/21

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 174.110+/-0.038 χ^2/NDF: 2687617.7/24

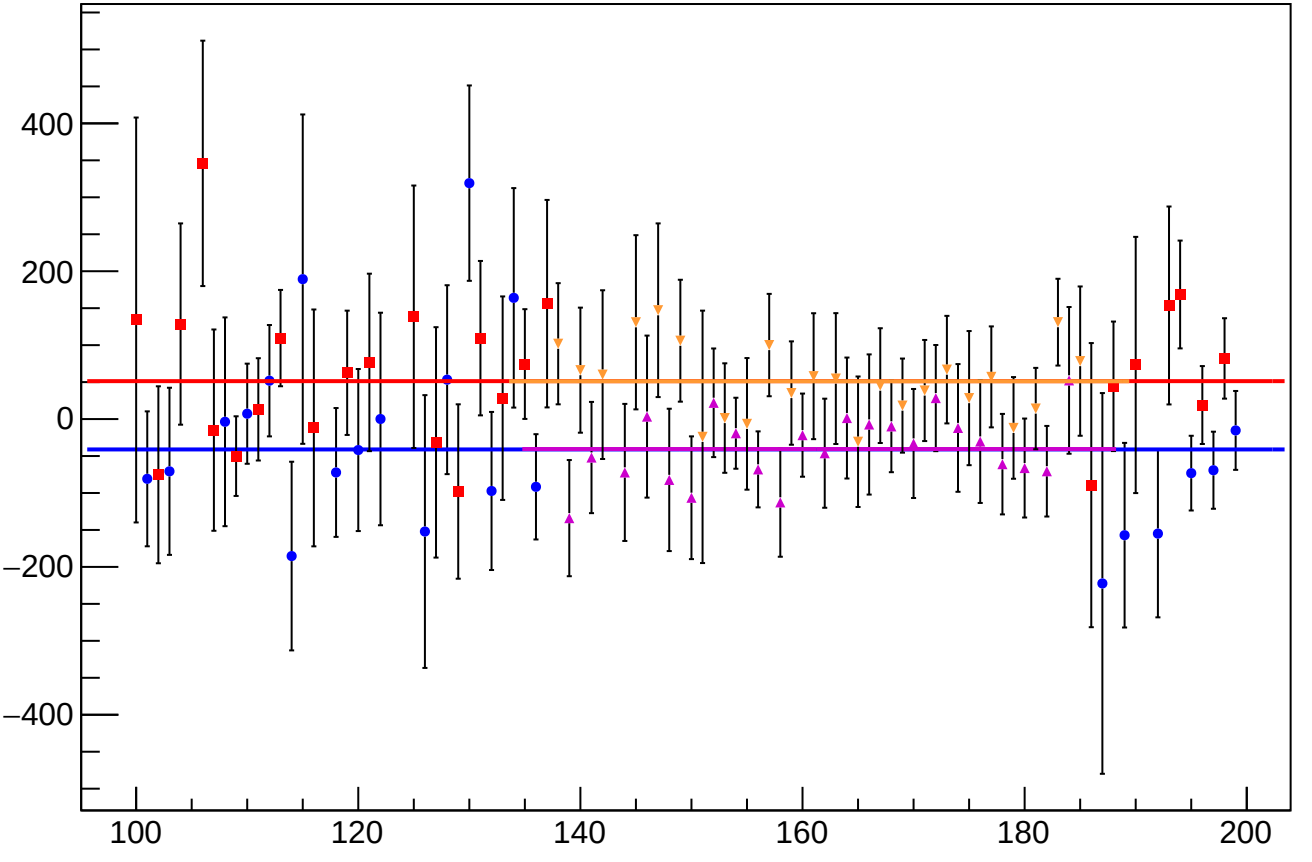
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

\+ sign 187.804+/-0.025 χ^2/NDF: 3991915.2/45

All: 181.948+/-0.017 χ^2/NDF: 8464408.1/93

\- sign 176.740+/-0.024 χ^2/NDF: 4371853.8/47

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -41.090+/-19.128 χ^2/NDF: 19.2/21

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 51.305+/-18.505 χ^2/NDF: 17.3/24

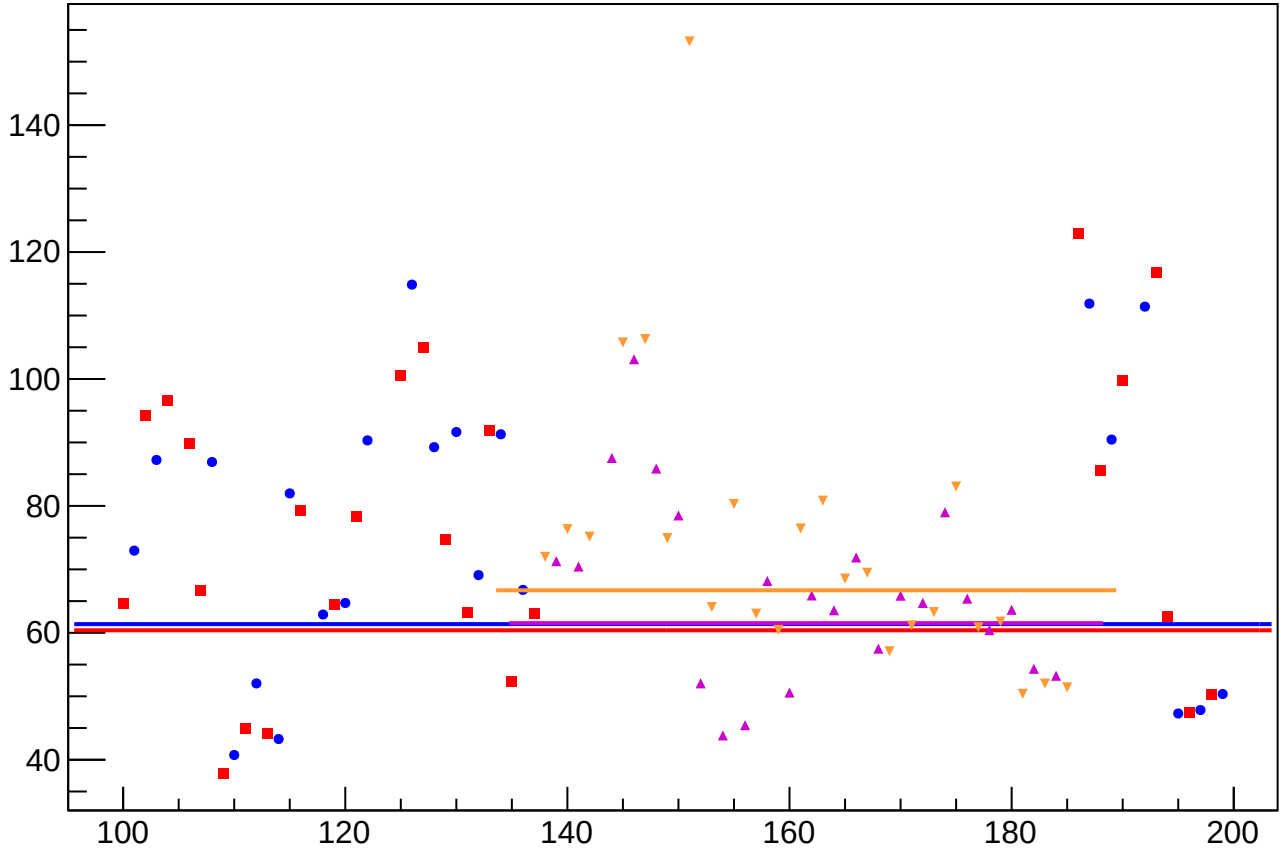
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 13.082+/-12.289 χ^2/NDF: 41.0/45

All: 3.981+/-8.452 χ^2/NDF: 82.1/93

- sign -4.186+/-11.642 χ^2/NDF: 40.1/47

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 61.375+/-0.014 χ^2/NDF: 1981548.7/21

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 60.400+/-0.013 χ^2/NDF: 2474305.6/24

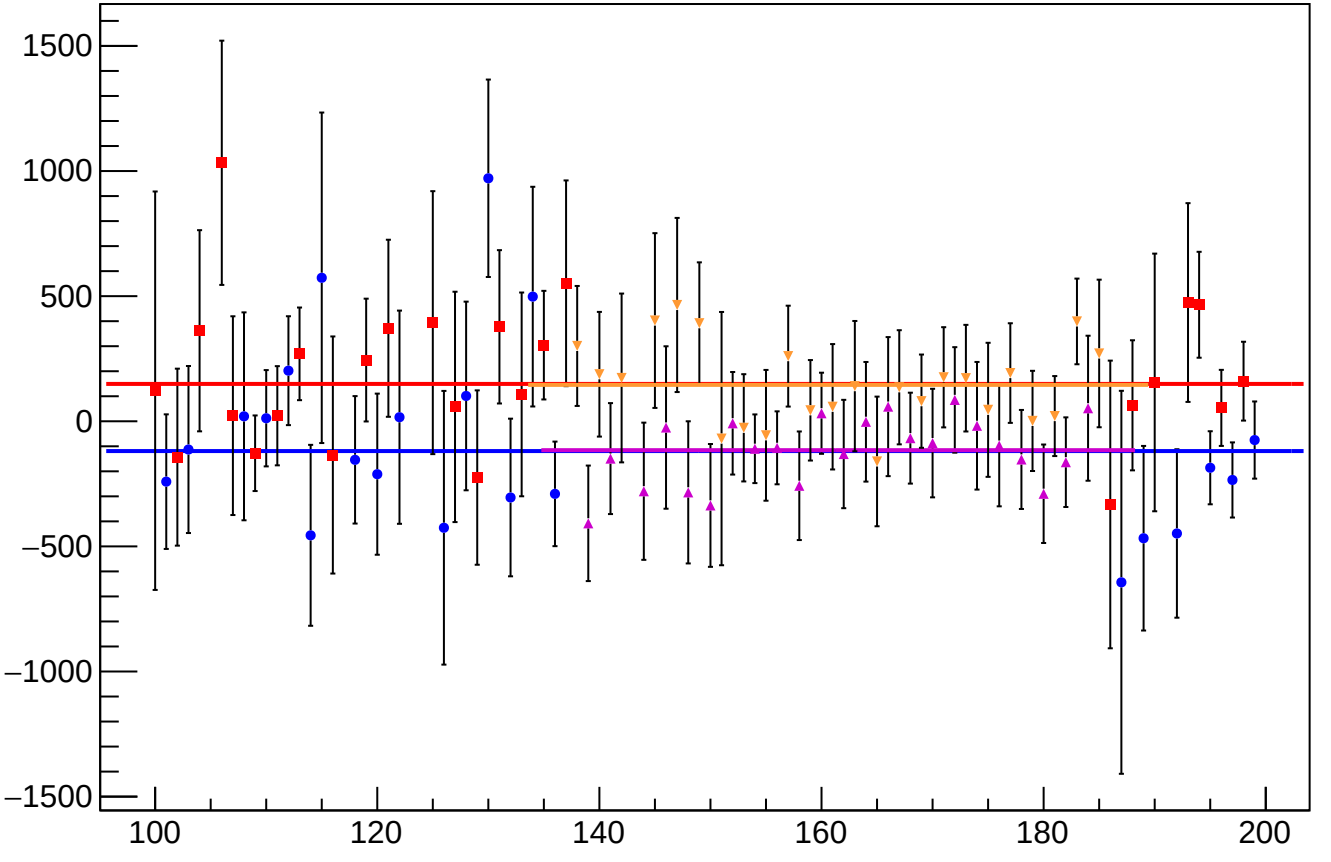
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 64.504+/-0.009 χ^2/NDF: 3748989.1/45

All: 62.700+/-0.006 χ^2/NDF: 7799361.1/93

- sign 61.082+/-0.008 χ^2/NDF: 3968650.6/47

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -119.052+/-55.603 χ^2/NDF: 19.6/21

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 149.275+/-53.600 χ^2/NDF: 17.0/24

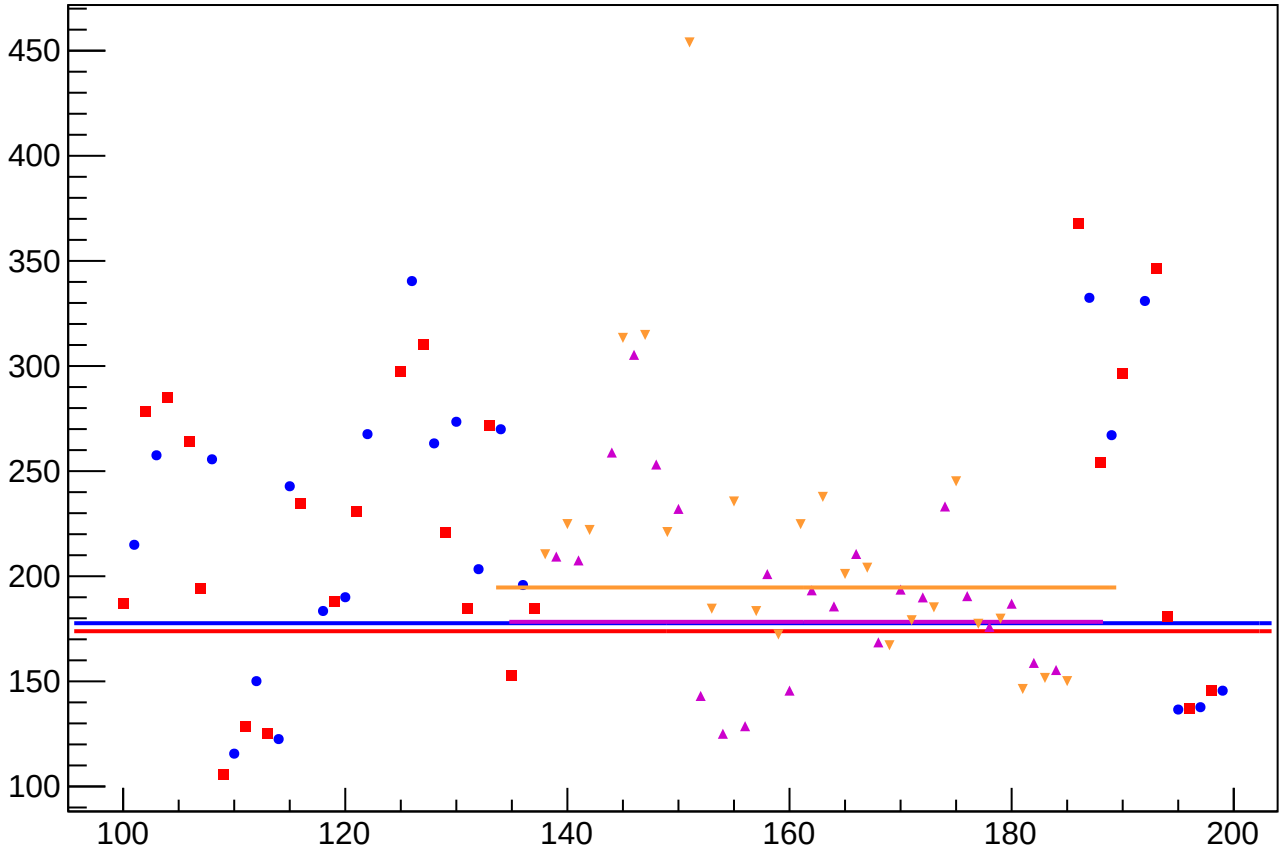
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 35.542+/-35.845 χ^2/NDF: 43.1/45

All: 11.360+/-24.595 χ^2/NDF: 83.4/93

- sign -10.152+/-33.808 χ^2/NDF: 39.5/47

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 177.662+/-0.039 χ^2/NDF: 2138214.7/21

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 173.854+/-0.038 χ^2/NDF: 2696123.8/24

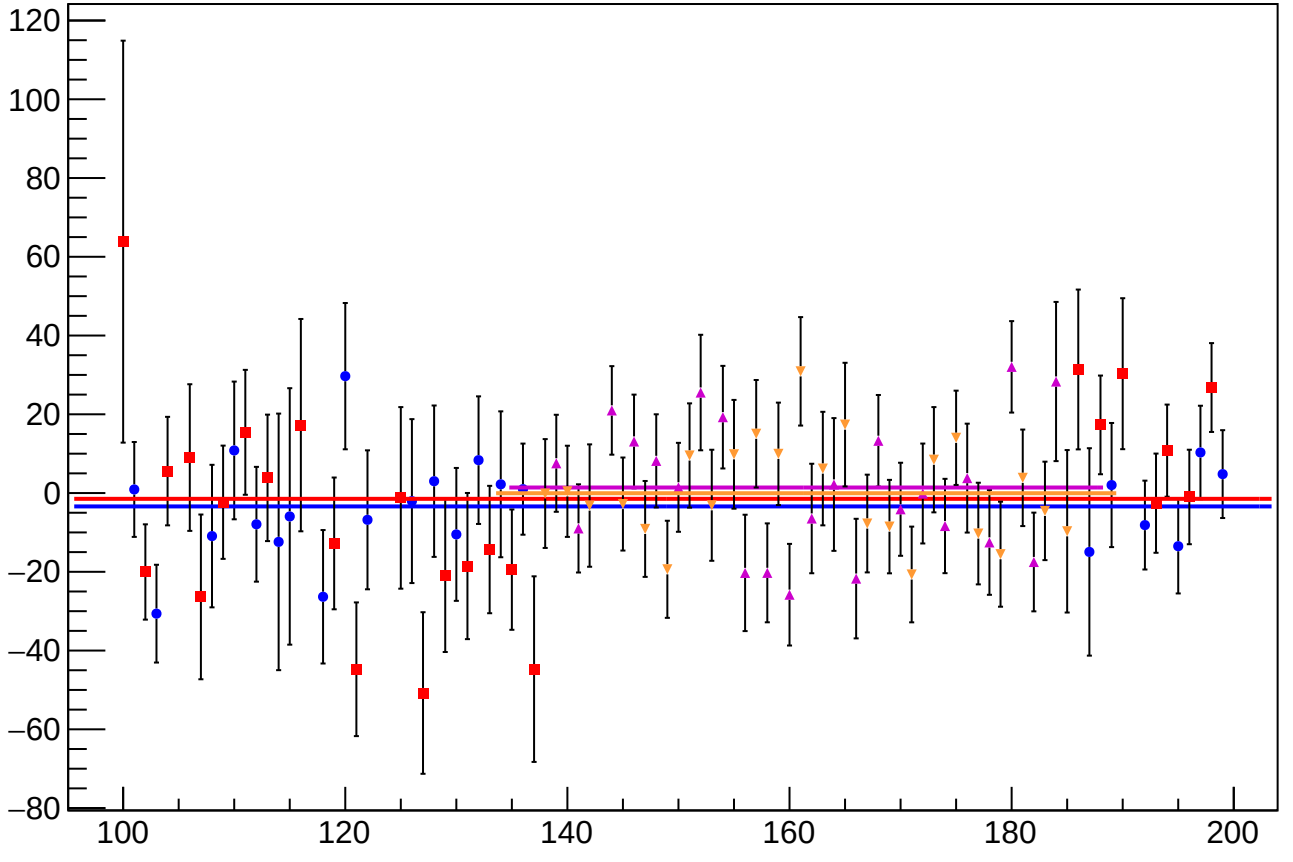
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

\+ sign 187.595+/-0.025 χ^2/NDF: 4000555.3/45

All: 181.746+/-0.017 χ^2/NDF: 8484012.0/93

\- sign 176.542+/-0.024 χ^2/NDF: 4382812.1/47

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -3.396+/-3.261 χ^2/NDF: 15.1/21

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -1.468+/-3.188 χ^2/NDF: 42.7/24

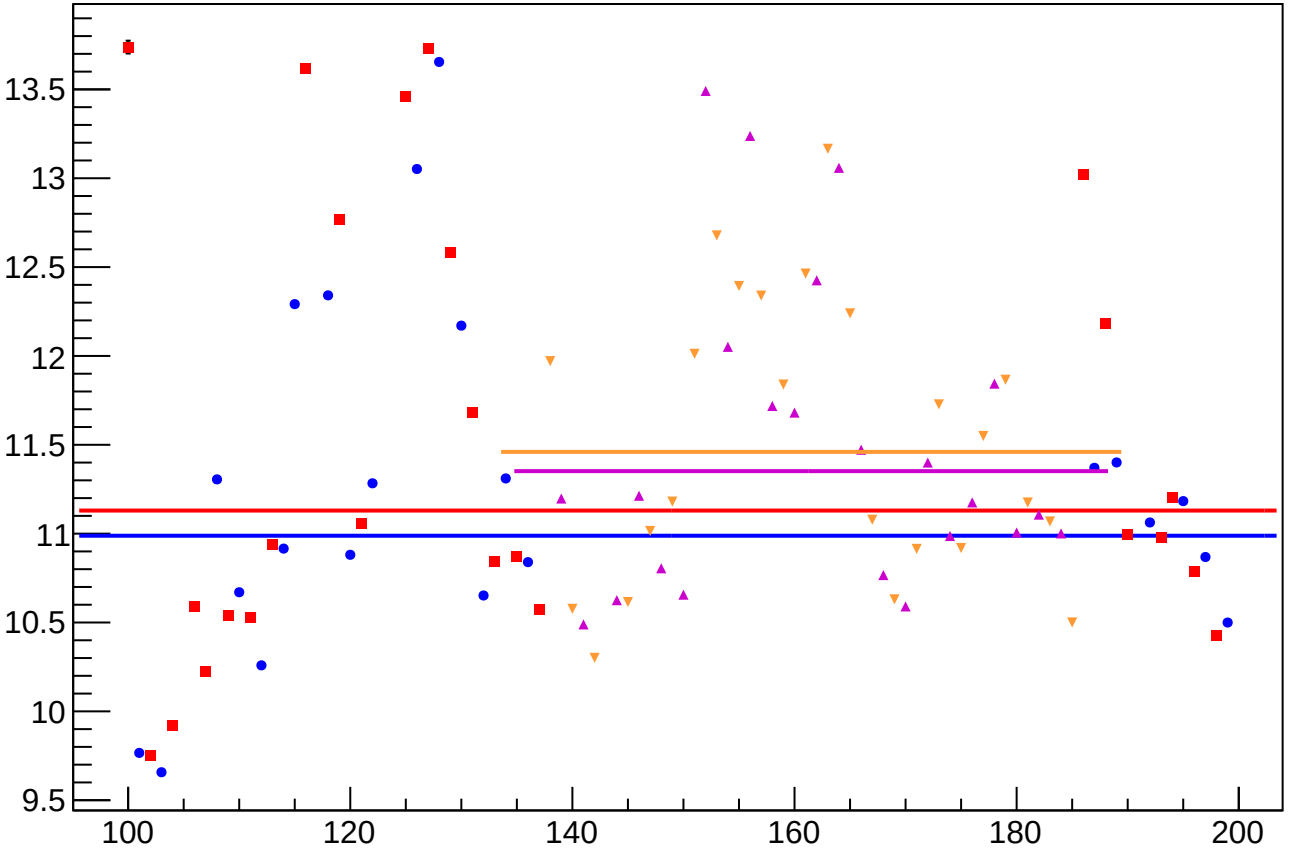
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.400+/-2.073 χ^2/NDF: 36.2/45

All: -0.581+/-1.457 χ^2/NDF: 116.0/93

- sign 0.220+/-2.049 χ^2/NDF: 79.5/47

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.988+/-0.002 χ^2/NDF: 142615.2/21

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.130+/-0.002 χ^2/NDF: 203873.6/24

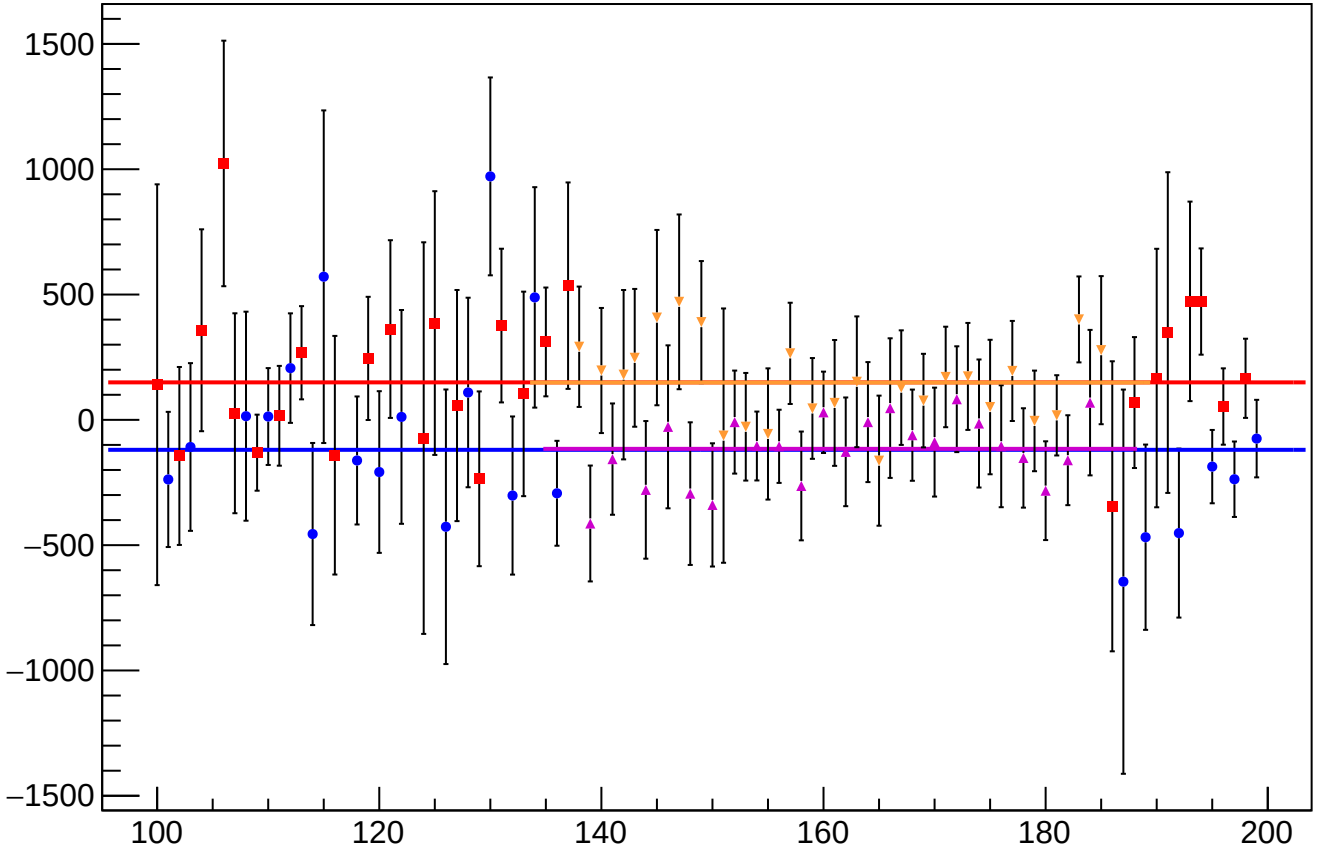
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

\+ sign 11.270+/-0.001 χ^2/NDF: 317989.3/45

All: 11.265+/-0.001 χ^2/NDF: 698127.0/93

\- sign 11.260+/-0.001 χ^2/NDF: 380117.0/47

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -119.584+/-55.756 χ^2/NDF: 19.6/21

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 149.544+/-53.443 χ^2/NDF: 17.2/26

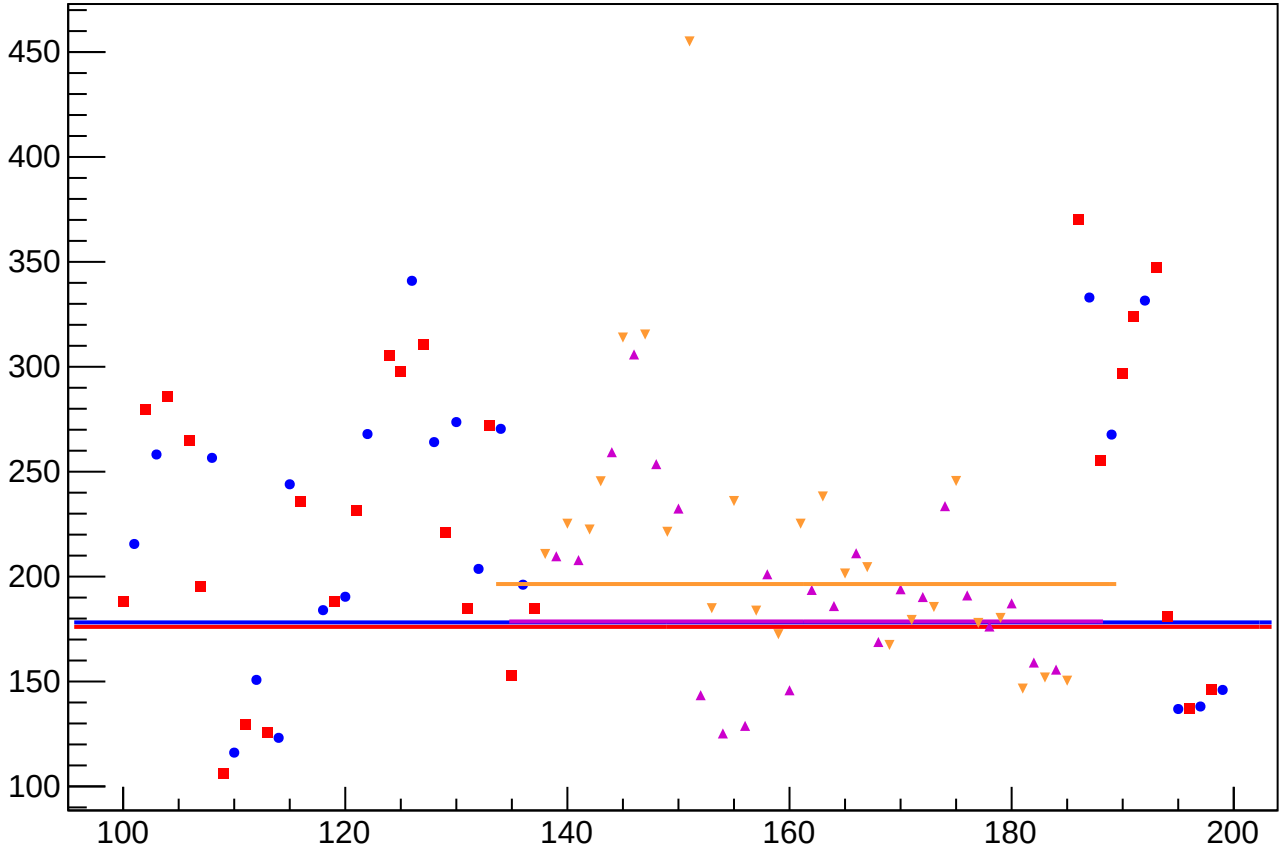
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 39.308+/-35.623 χ^2/NDF: 43.8/46

All: 13.576+/-24.520 χ^2/NDF: 84.6/96

- sign -9.594+/-33.803 χ^2/NDF: 39.8/49

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 178.175+/-0.039 χ^2/NDF: 2132332.0/21

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 176.034+/-0.038 χ^2/NDF: 2856078.6/26

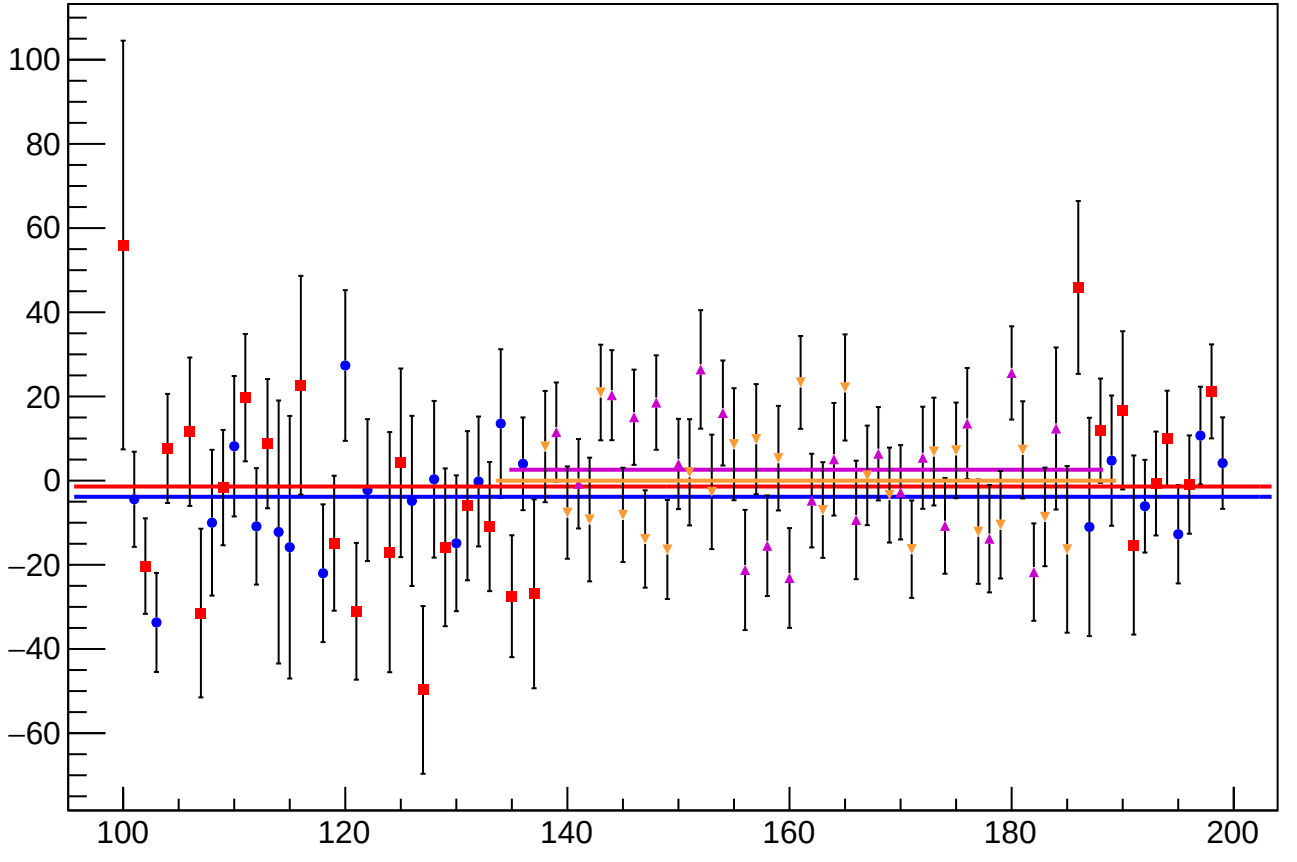
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 188.993+/-0.025 χ^2/NDF: 4078289.1/46

All: 182.988+/-0.017 χ^2/NDF: 8724016.3/96

- sign 177.582+/-0.024 χ^2/NDF: 4537735.6/49

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -3.839+/-3.138 χ^2/NDF: 17.0/21

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -1.398+/-3.024 χ^2/NDF: 39.5/26

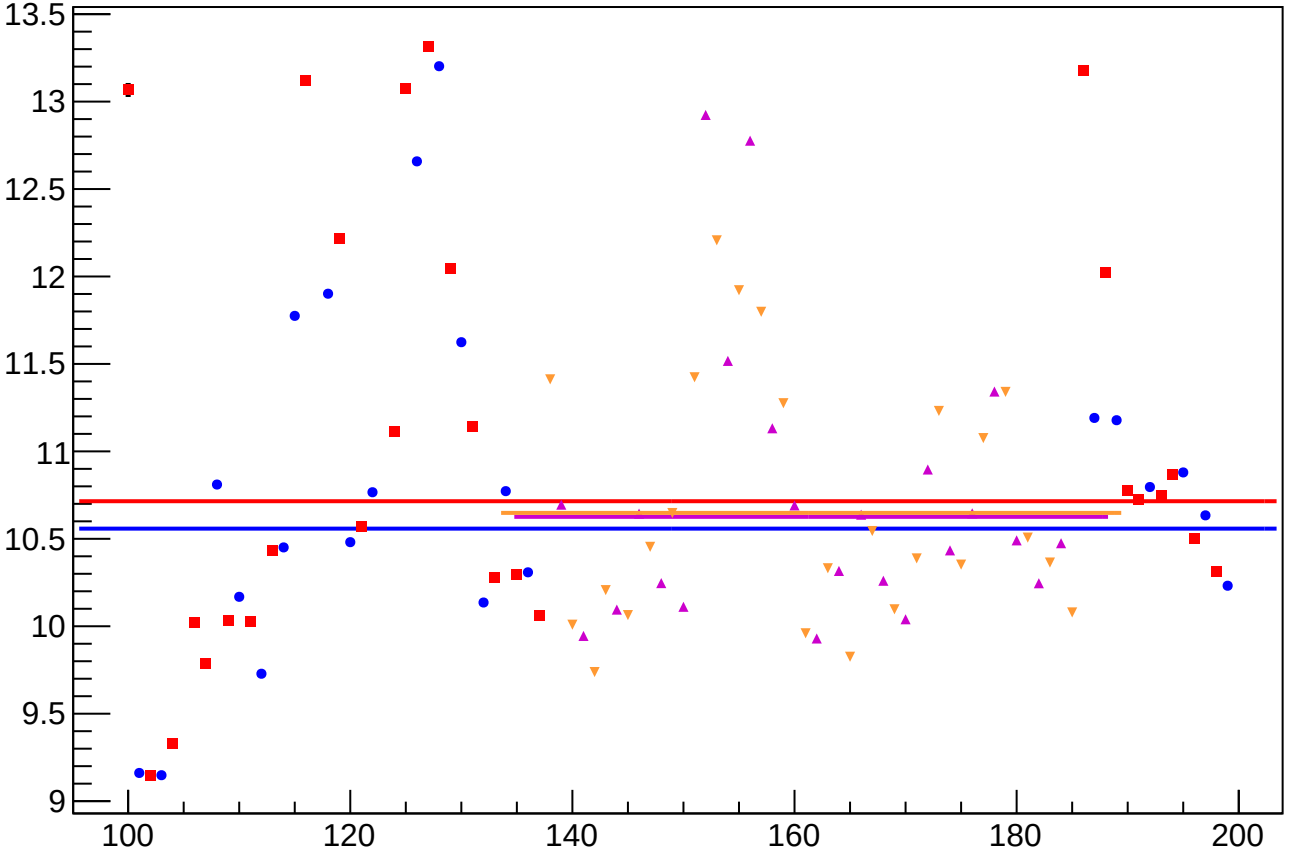
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.461+/-1.929 χ^2/NDF: 41.7/46

All: -0.247+/-1.364 χ^2/NDF: 117.7/96

- sign 0.967+/-1.930 χ^2/NDF: 75.3/49

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.558+/-0.002 χ^2/NDF: 167092.9/21

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.715+/-0.002 χ^2/NDF: 245403.2/26

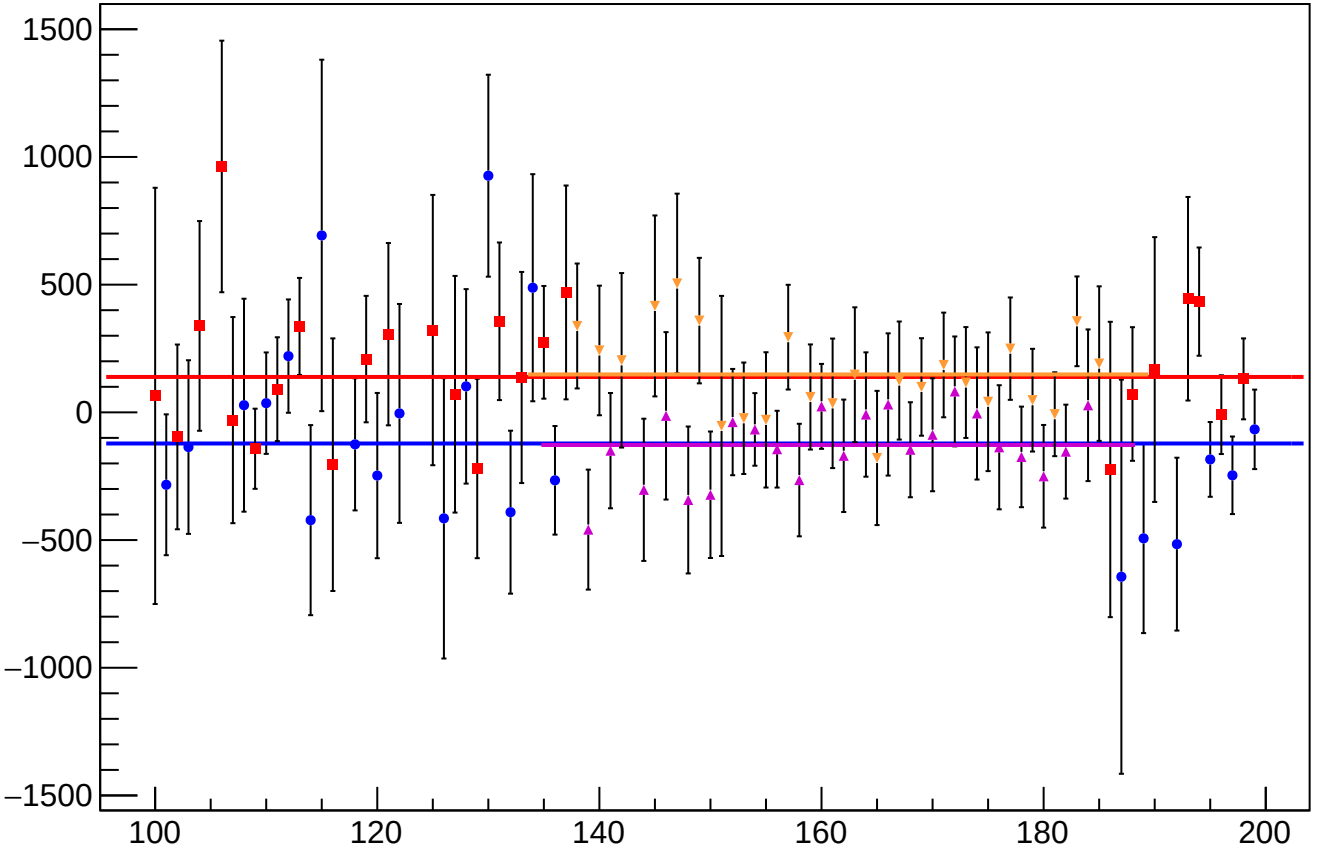
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.614+/-0.001 χ^2/NDF: 311652.9/46

All: 10.638+/-0.001 χ^2/NDF: 718246.8/96

- sign 10.662+/-0.001 χ^2/NDF: 405980.6/49

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -121.908+/-56.327 χ^2/NDF: 20.3/21

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 138.644+/-54.489 χ^2/NDF: 15.4/24

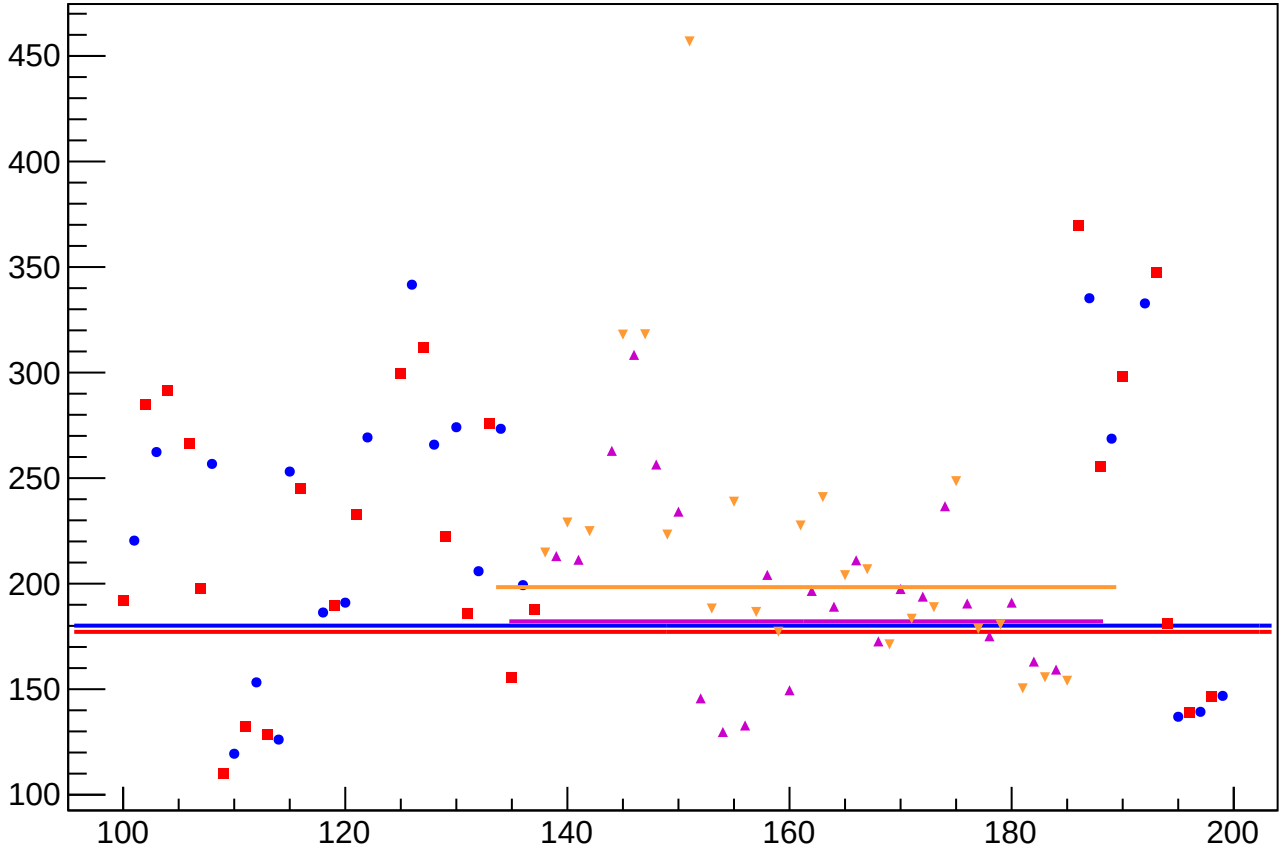
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 35.476+/-36.410 χ^2/NDF: 43.6/45

All: 5.477+/-25.017 χ^2/NDF: 82.4/93

- sign -21.352+/-34.432 χ^2/NDF: 37.6/47

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 180.109+/-0.040 χ^2/NDF: 2115133.5/21

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 177.161+/-0.039 χ^2/NDF: 2612091.3/24

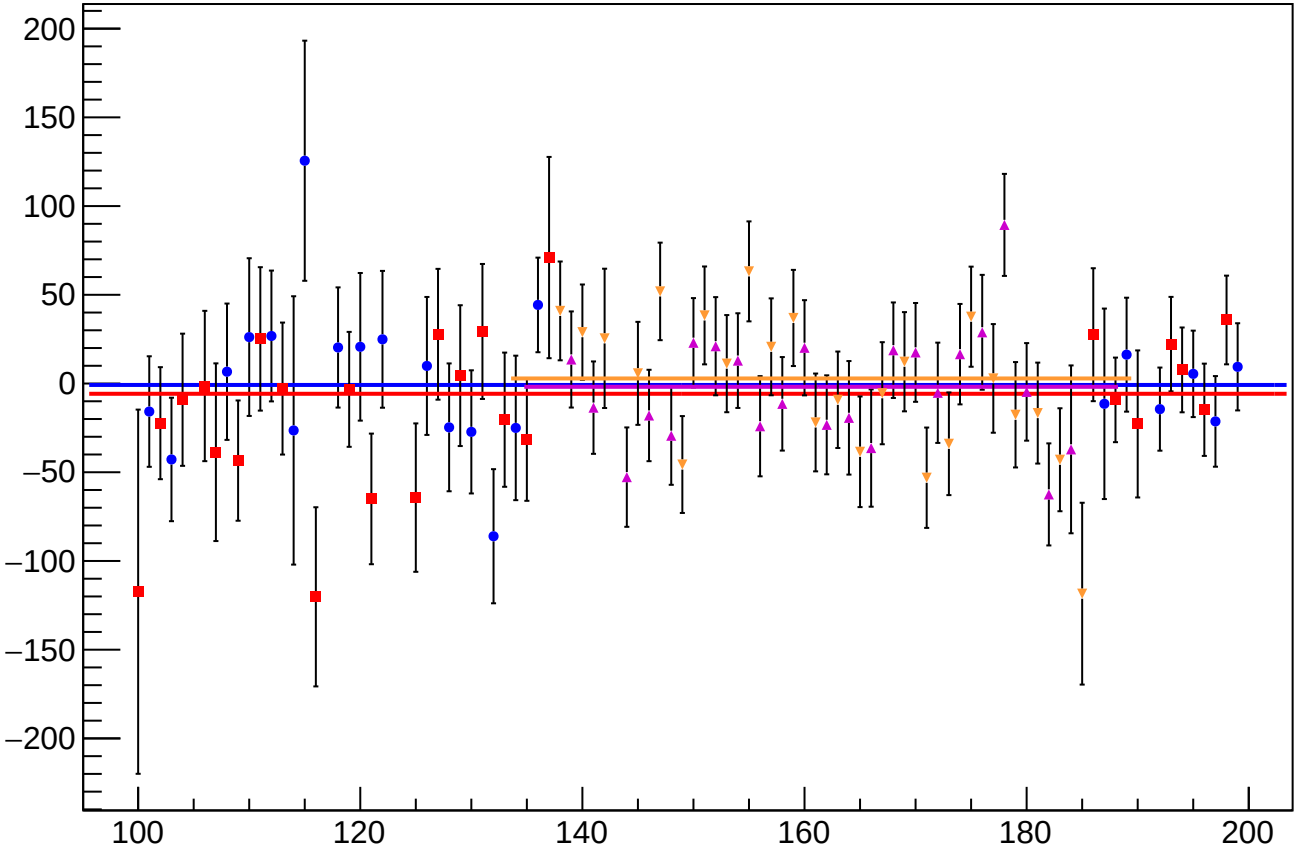
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

\+ sign 190.729+/-0.026 χ^2/NDF: 3934322.1/45

All: 185.148+/-0.018 χ^2/NDF: 8229838.9/93

\- sign 180.158+/-0.024 χ^2/NDF: 4206523.3/47

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -0.803+/-7.202 χ^2/NDF: 18.3/21

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -5.783+/-6.927 χ^2/NDF: 23.0/24

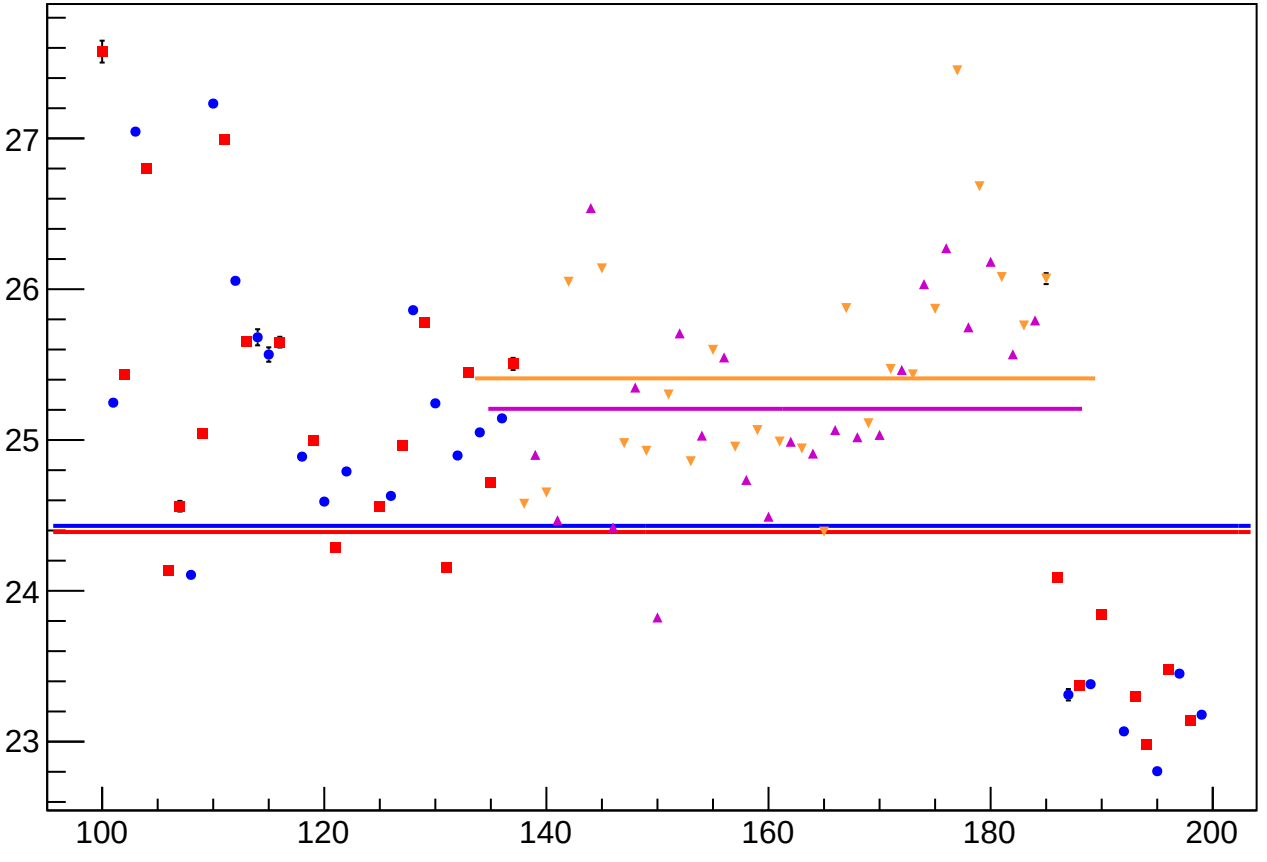
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.382+/-4.566 χ^2/NDF: 55.4/45

All: -1.102+/-3.201 χ^2/NDF: 107.2/93

- sign -3.502+/-4.488 χ^2/NDF: 51.3/47

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.431+/-0.005 χ^2/NDF: 59659.5/21

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.390+/-0.005 χ^2/NDF: 53337.4/24

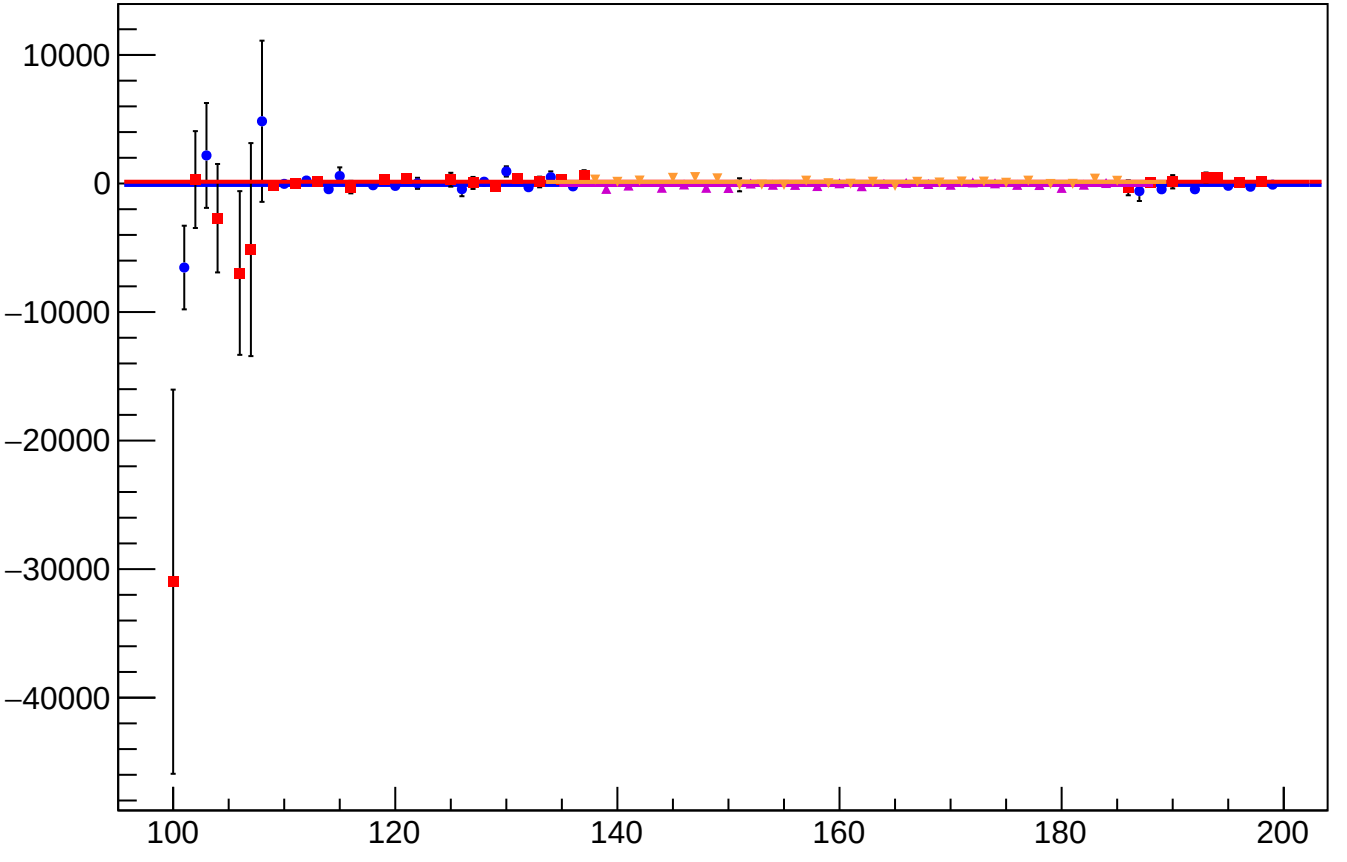
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.016+/-0.003 χ^2/NDF: 108580.4/45

All: 24.938+/-0.002 χ^2/NDF: 205012.1/93

- sign 24.864+/-0.003 χ^2/NDF: 95306.9/47

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -111.738+/-59.597 χ^2/NDF: 22.9/21

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 137.582+/-58.847 χ^2/NDF: 17.9/24

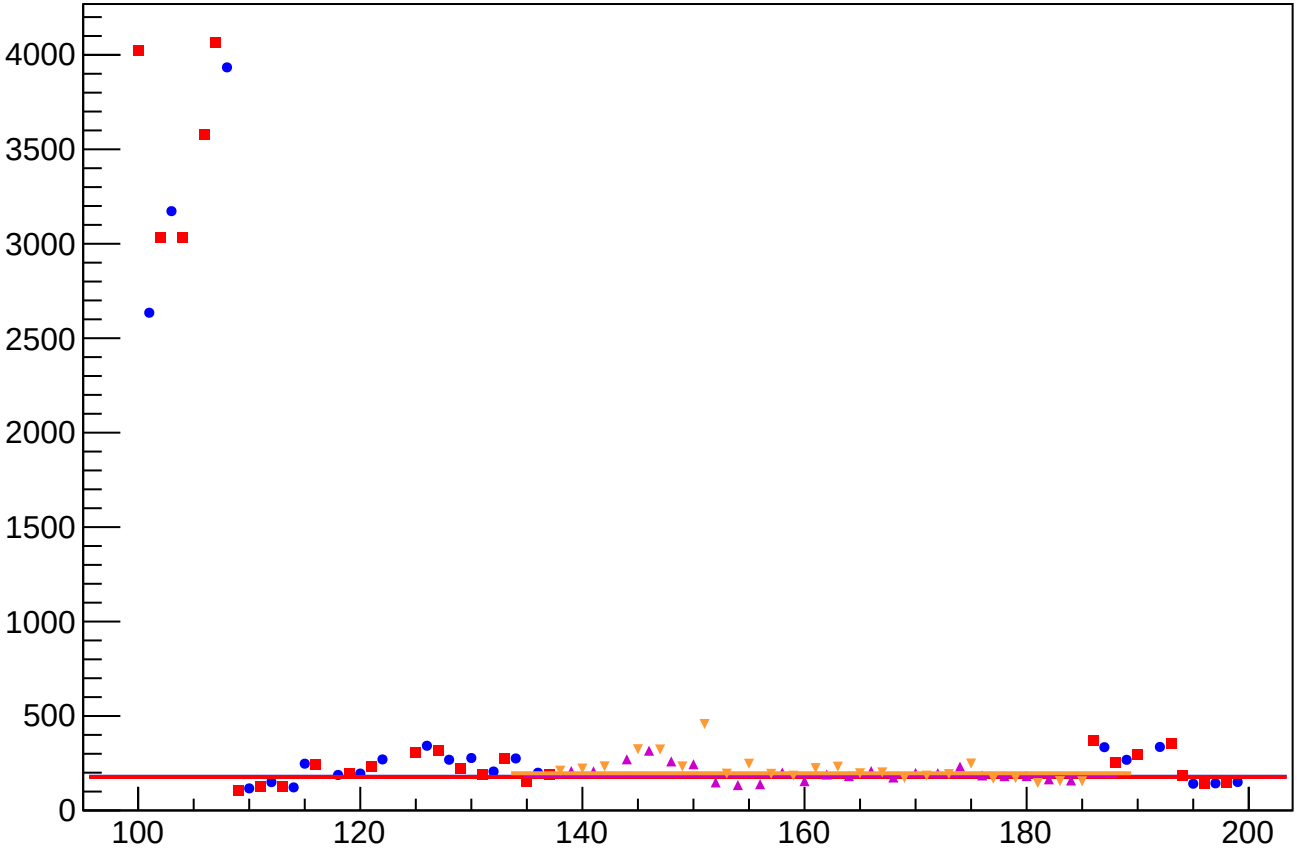
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 30.251+/-37.116 χ^2/NDF: 44.1/45

All: 2.468+/-25.707 χ^2/NDF: 83.3/93

- sign -23.147+/-35.639 χ^2/NDF: 38.1/47

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 178.116+/-0.042 χ^2/NDF: 4783371.0/21

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 177.381+/-0.042 χ^2/NDF: 5299240.2/24

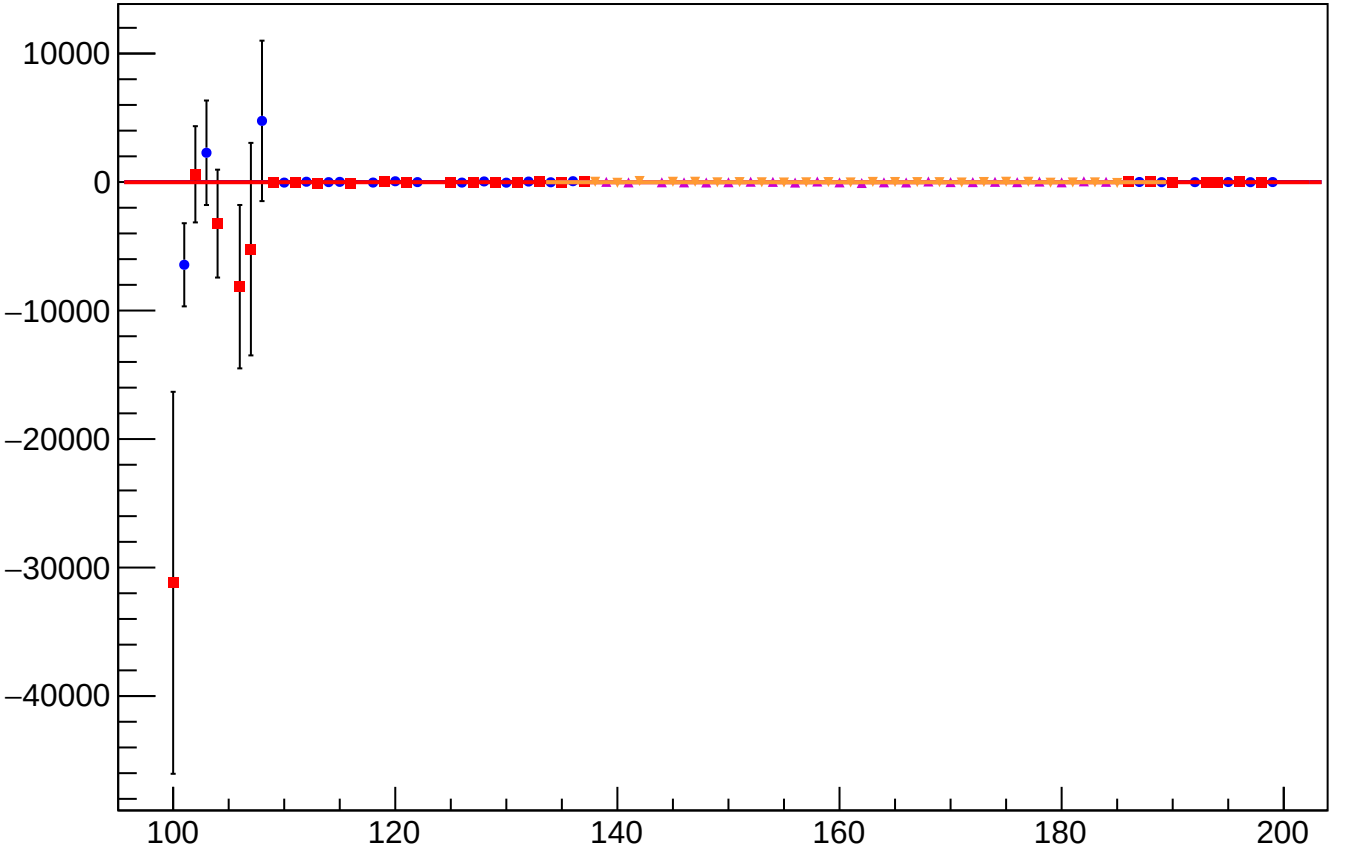
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 189.636+/-0.026 χ^2/NDF: 6714718.4/45

All: 185.457+/-0.018 χ^2/NDF: 13524368.6/93

- sign 181.605+/-0.025 χ^2/NDF: 6760933.9/47

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 1.573+/-8.754 χ^2/NDF: 18.8/21

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -12.978+/-8.636 χ^2/NDF: 27.1/24

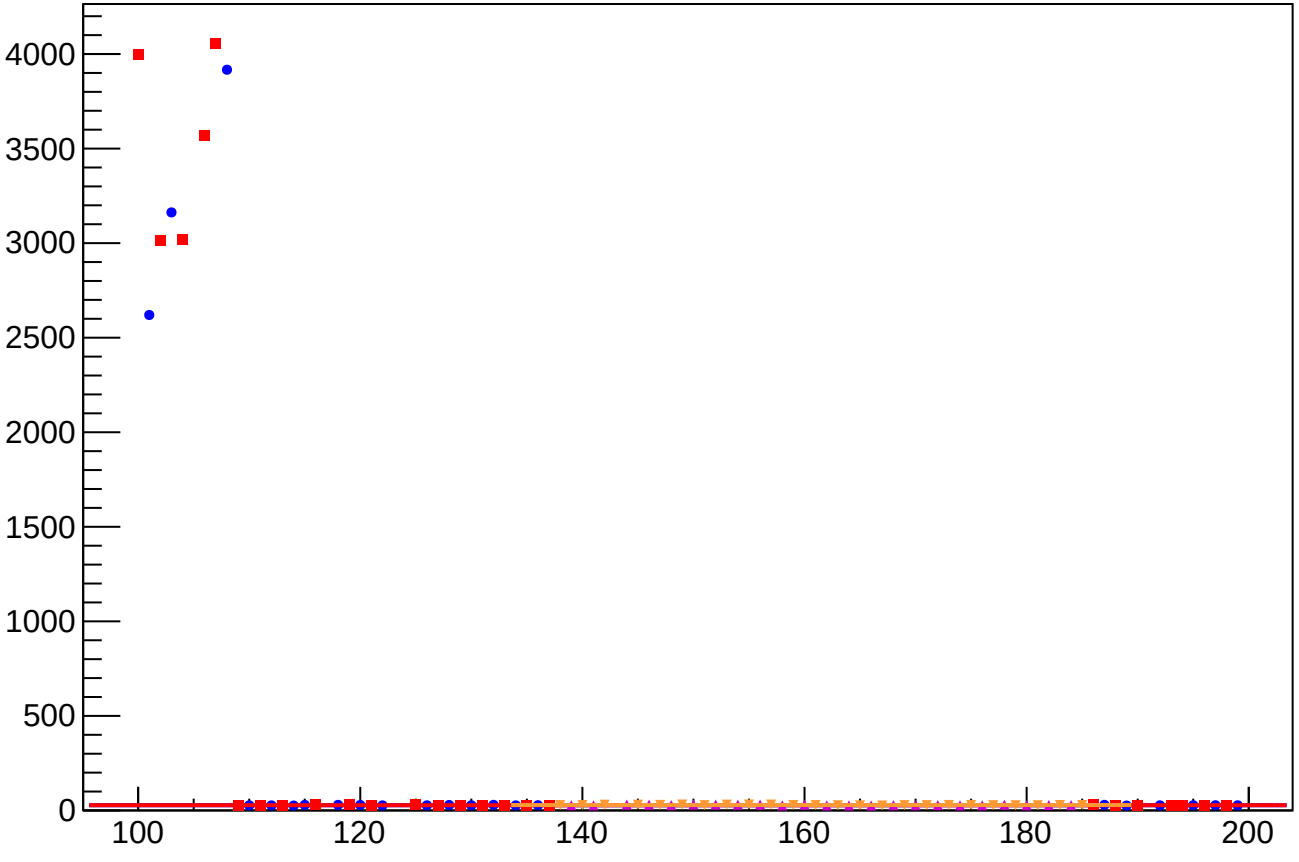
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.468+/-5.297 χ^2/NDF: 37.6/45

All: -6.488+/-3.750 χ^2/NDF: 87.8/93

- sign -6.508+/-5.310 χ^2/NDF: 50.1/47

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.523+/-0.006 χ^2/NDF: 3275025.0/21

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

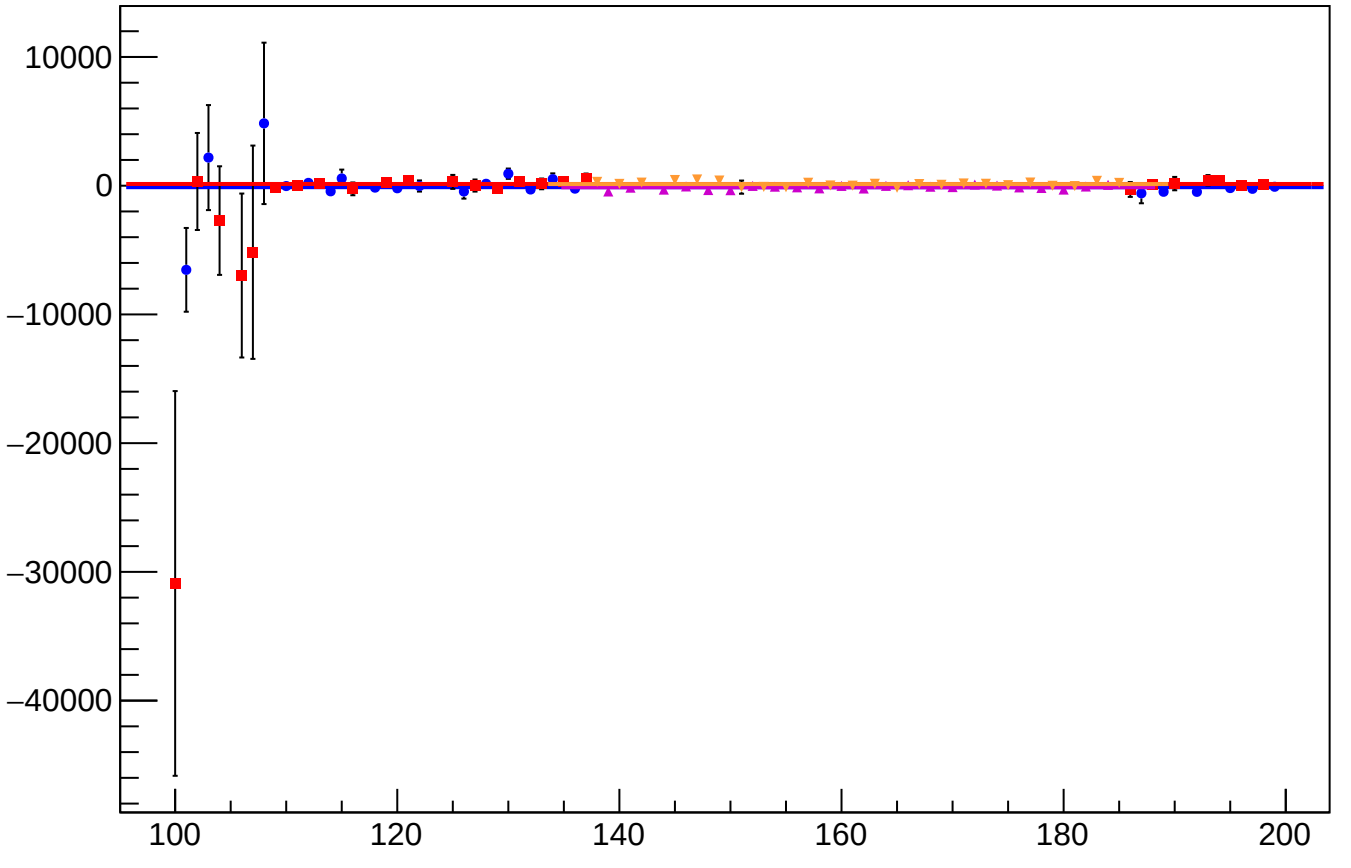
Right Out: 27.736+/-0.006 χ^2/NDF: 3575988.3/24

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.201+/-0.004 χ^2/NDF: 3374952.7/45

All: 28.277+/-0.003 χ^2/NDF: 7095545.8/93

\- sign 28.353+/-0.004 χ^2/NDF: 3719768.7/47



Right In: -115.765+/-59.905 χ^2/NDF: 22.8/21

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 133.703+/-59.162 χ^2/NDF: 16.6/24

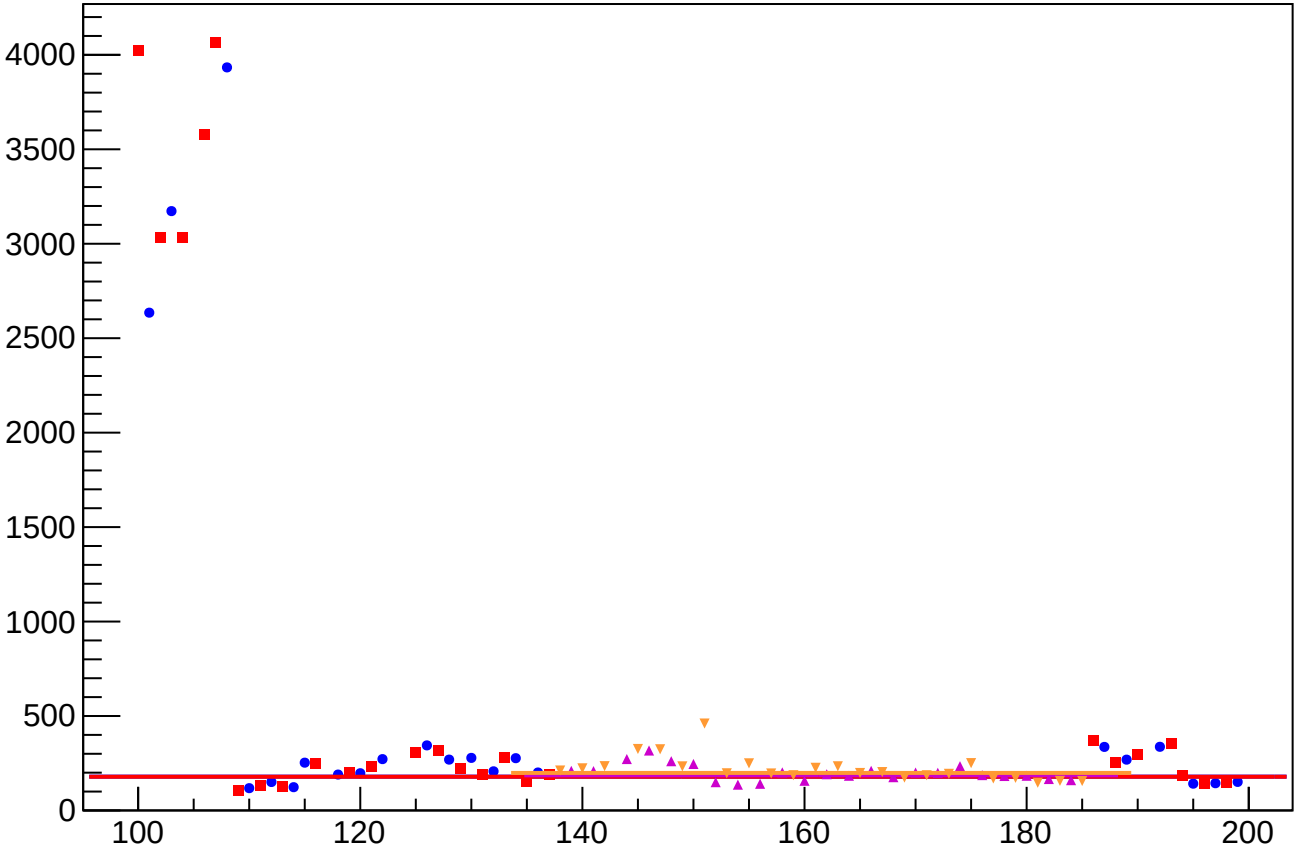
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 32.052+/-37.388 χ^2/NDF: 44.4/45

All: 0.680+/-25.901 χ^2/NDF: 82.2/93

- sign -28.271+/-35.917 χ^2/NDF: 36.5/47

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 179.069+/-0.042 χ^2/NDF: 4777914.6/21

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 178.423+/-0.042 χ^2/NDF: 5283649.5/24

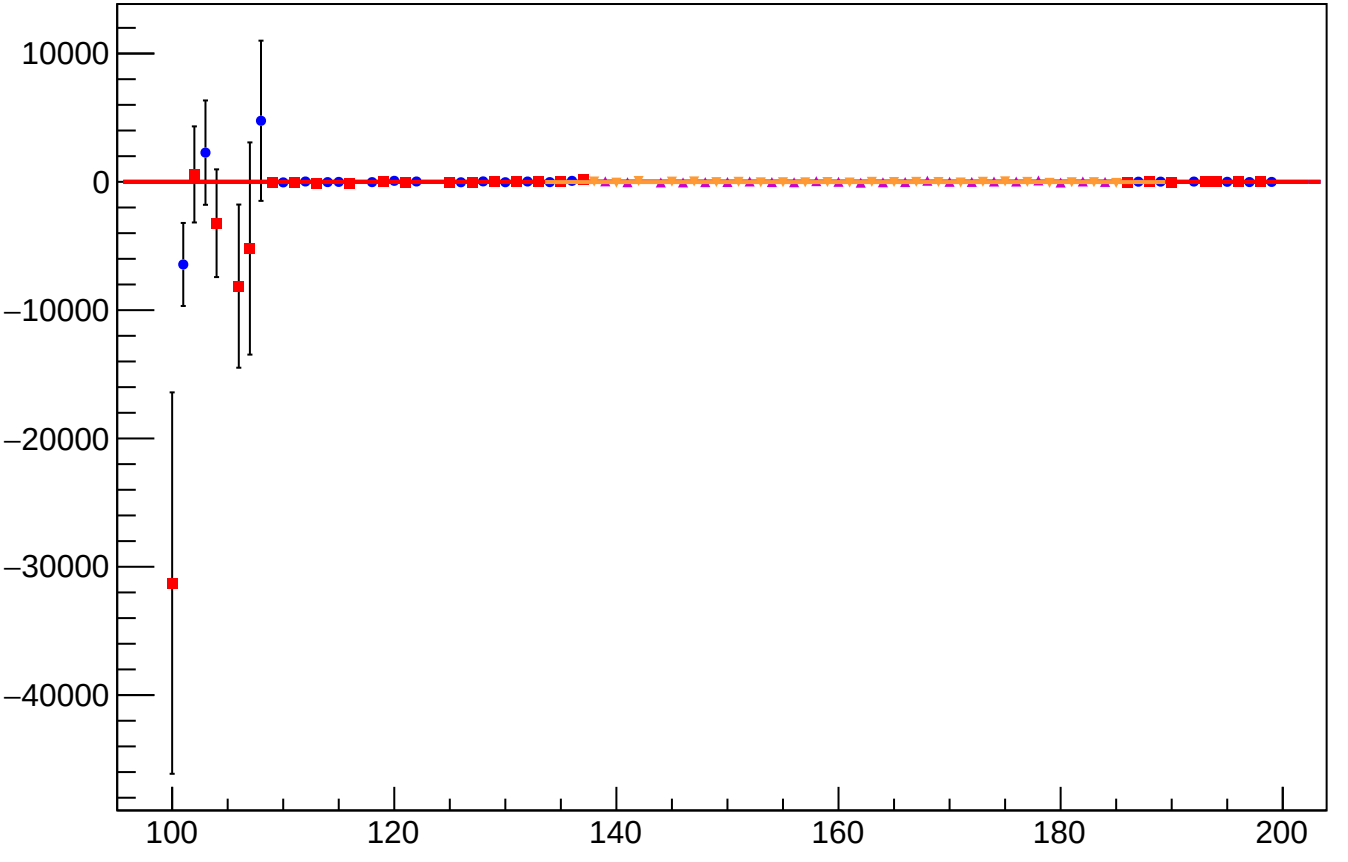
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 191.075+/-0.026 χ^2/NDF: 6695919.6/45

All: 186.941+/-0.018 χ^2/NDF: 13452123.7/93

- sign 183.126+/-0.025 χ^2/NDF: 6709191.1/47

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 9.274+/-9.688 χ^2/NDF: 16.7/21

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -5.218+/-9.540 χ^2/NDF: 34.1/24

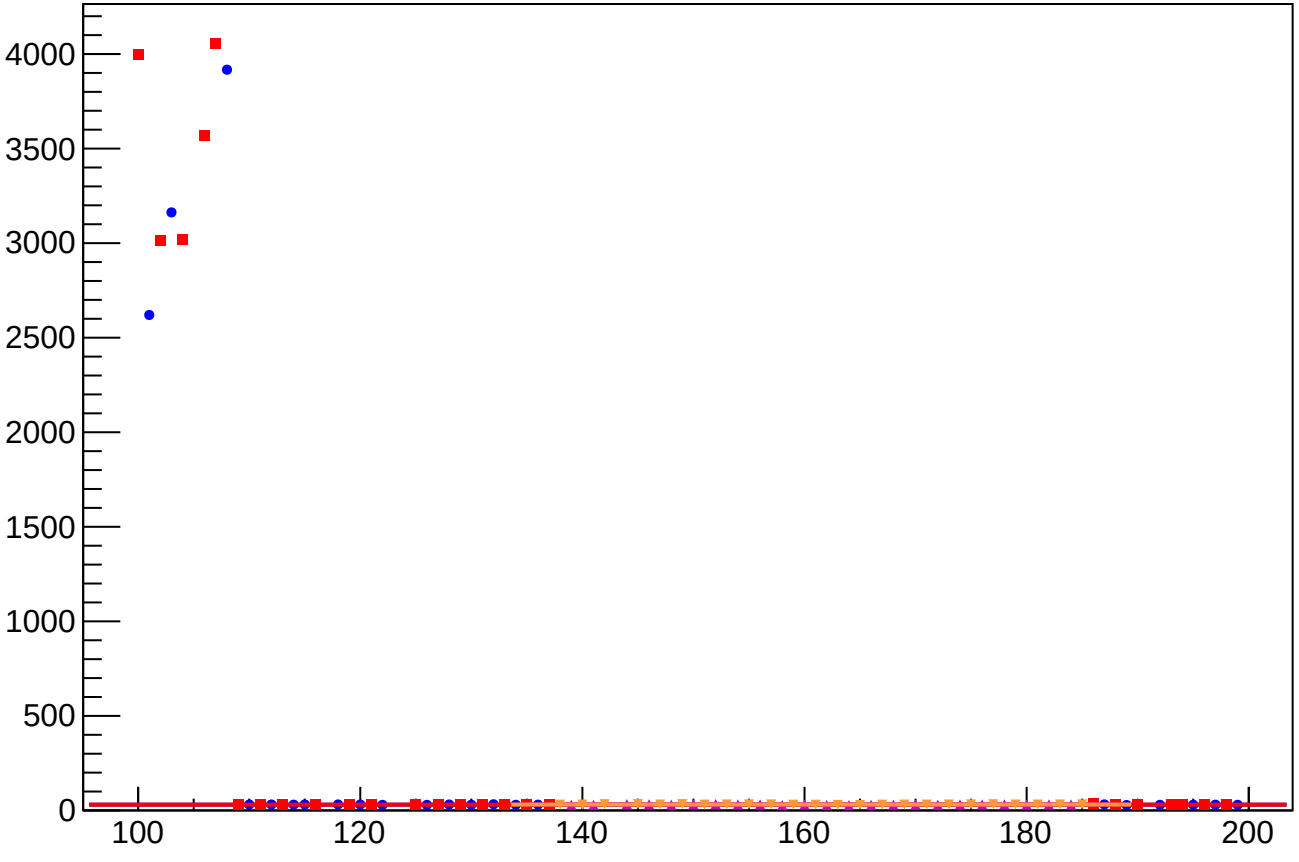
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.313+/-5.810 χ^2/NDF: 42.1/45

All: -4.286+/-4.112 χ^2/NDF: 113.2/93

- sign -0.242+/-5.821 χ^2/NDF: 70.1/47

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.476+/-0.007 χ^2/NDF: 3262606.7/21

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.664+/-0.007 χ^2/NDF: 3552289.0/24

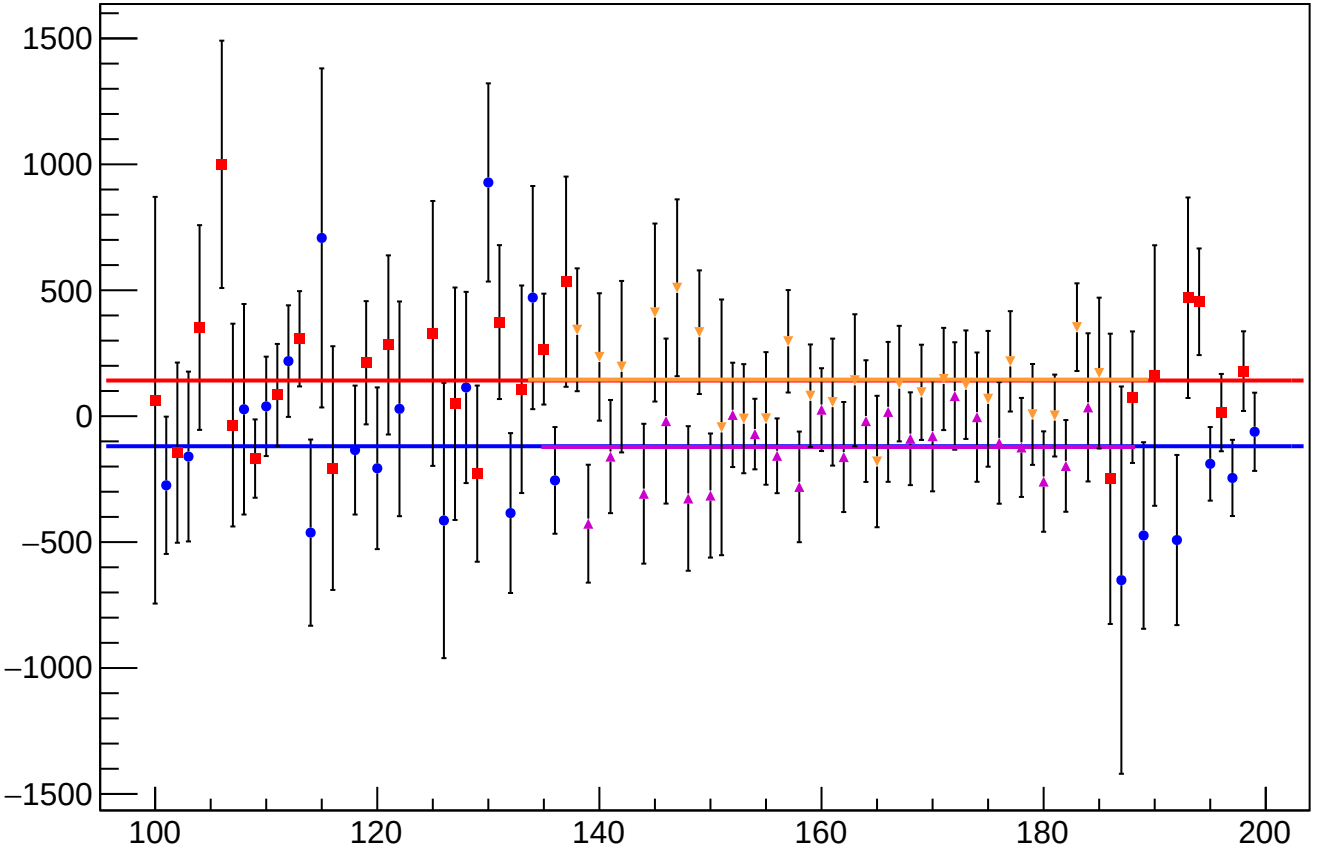
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.953+/-0.004 χ^2/NDF: 3317612.6/45

All: 31.033+/-0.003 χ^2/NDF: 6962939.6/93

- sign 31.113+/-0.004 χ^2/NDF: 3644572.7/47

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -119.321+/-56.096 χ^2/NDF: 20.3/21

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 141.639+/-54.223 χ^2/NDF: 16.9/24

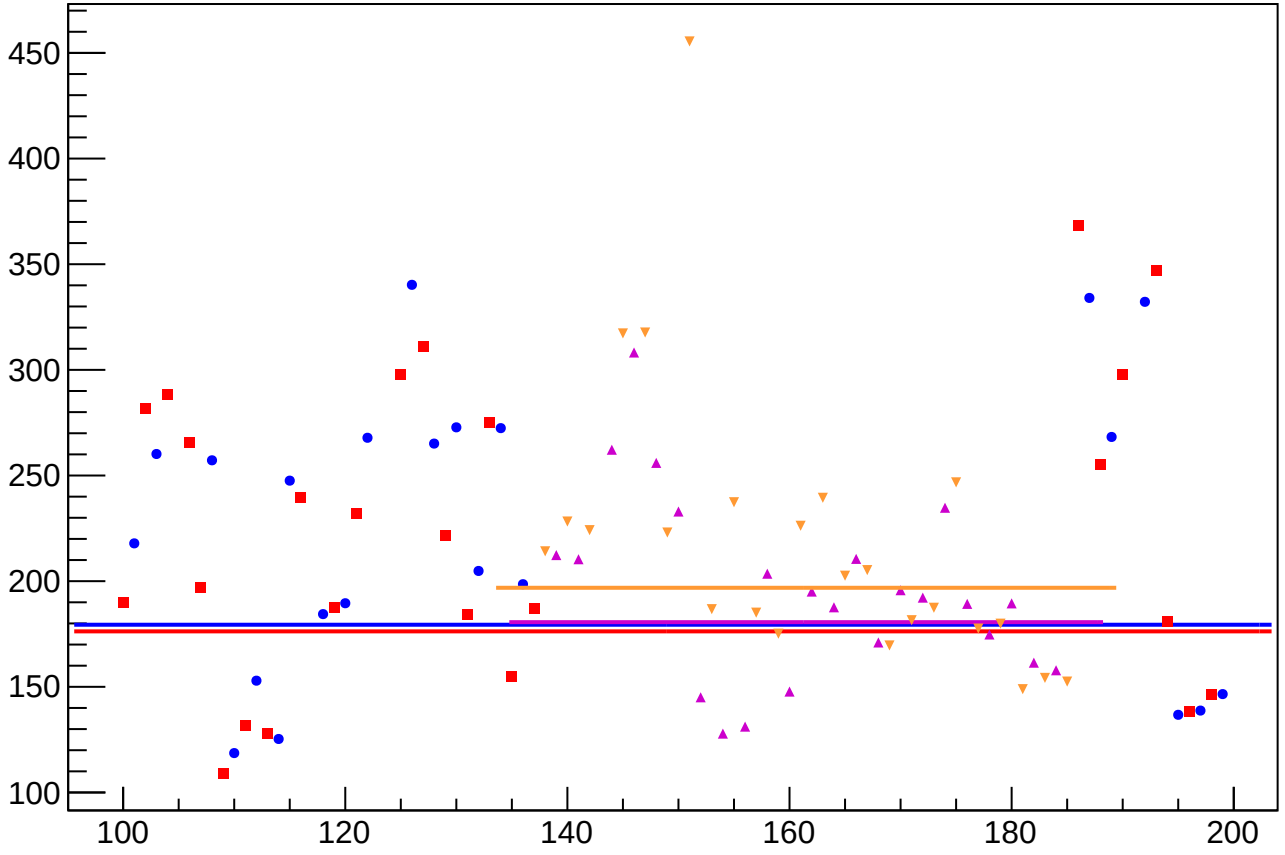
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 35.103+/-36.201 χ^2/NDF: 42.7/45

All: 7.406+/-24.862 χ^2/NDF: 82.9/93

- sign -17.319+/-34.204 χ^2/NDF: 39.1/47

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 179.384+/-0.040 χ^2/NDF: 2108679.6/21

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 176.242+/-0.038 χ^2/NDF: 2614496.6/24

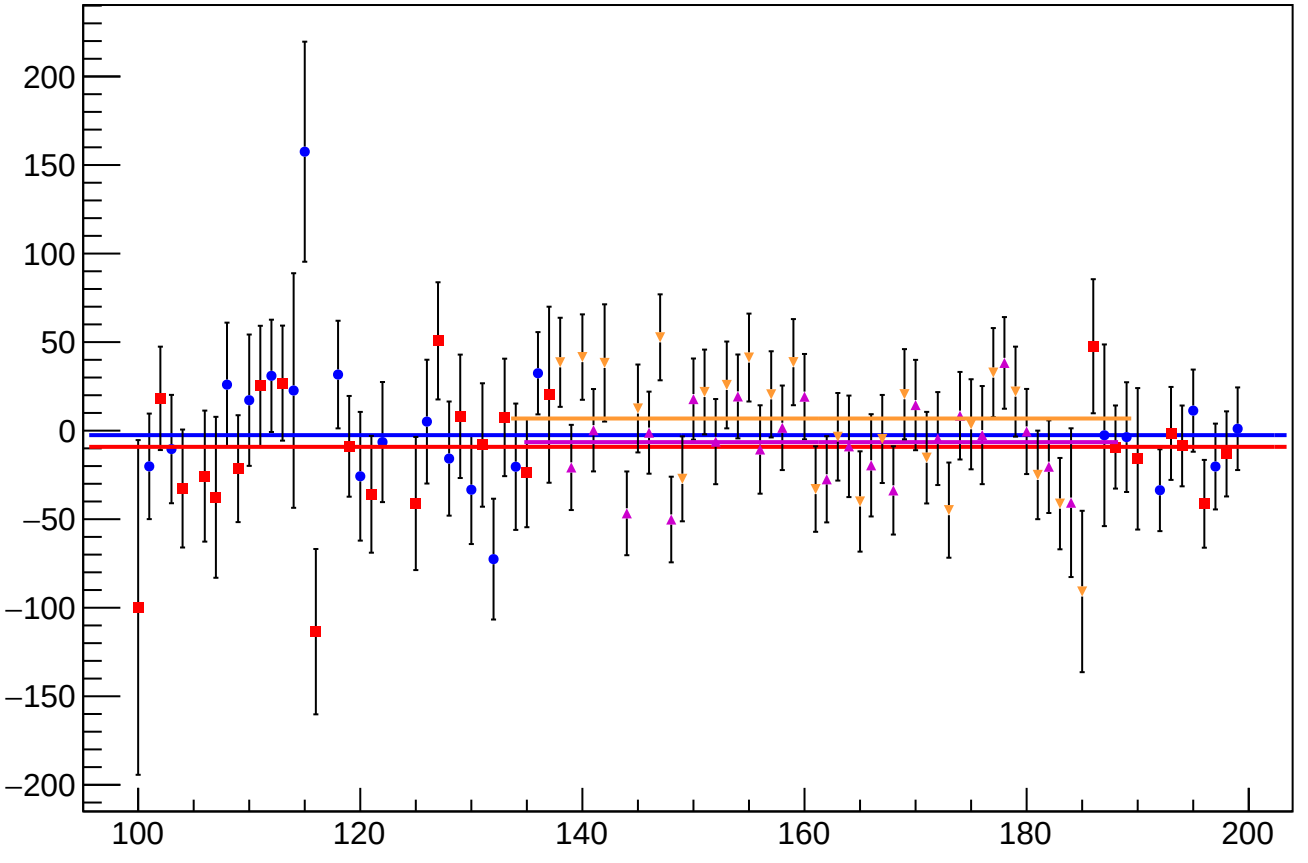
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 189.589+/-0.026 χ^2/NDF: 3947230.3/45

All: 183.924+/-0.018 χ^2/NDF: 8290281.1/93

\- sign 178.867+/-0.024 χ^2/NDF: 4250350.9/47

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -2.535+/-6.599 χ^2/NDF: 21.6/21

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -9.149+/-6.397 χ^2/NDF: 20.1/24

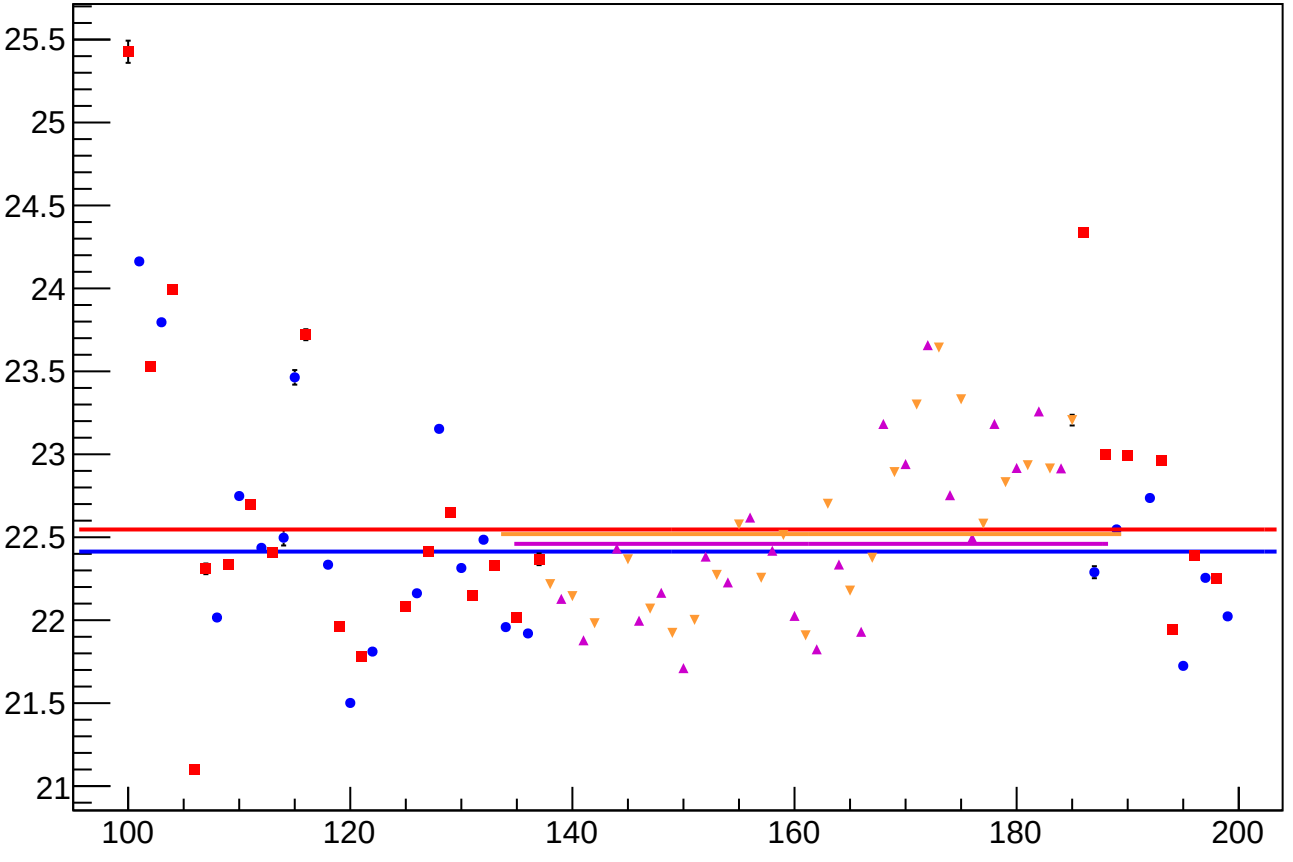
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.235+/-4.098 χ^2/NDF: 59.7/45

All: -2.215+/-2.883 χ^2/NDF: 100.9/93

- sign -7.555+/-4.057 χ^2/NDF: 37.7/47

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.414+/-0.005 χ^2/NDF: 19142.0/21

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.547+/-0.005 χ^2/NDF: 23430.5/24

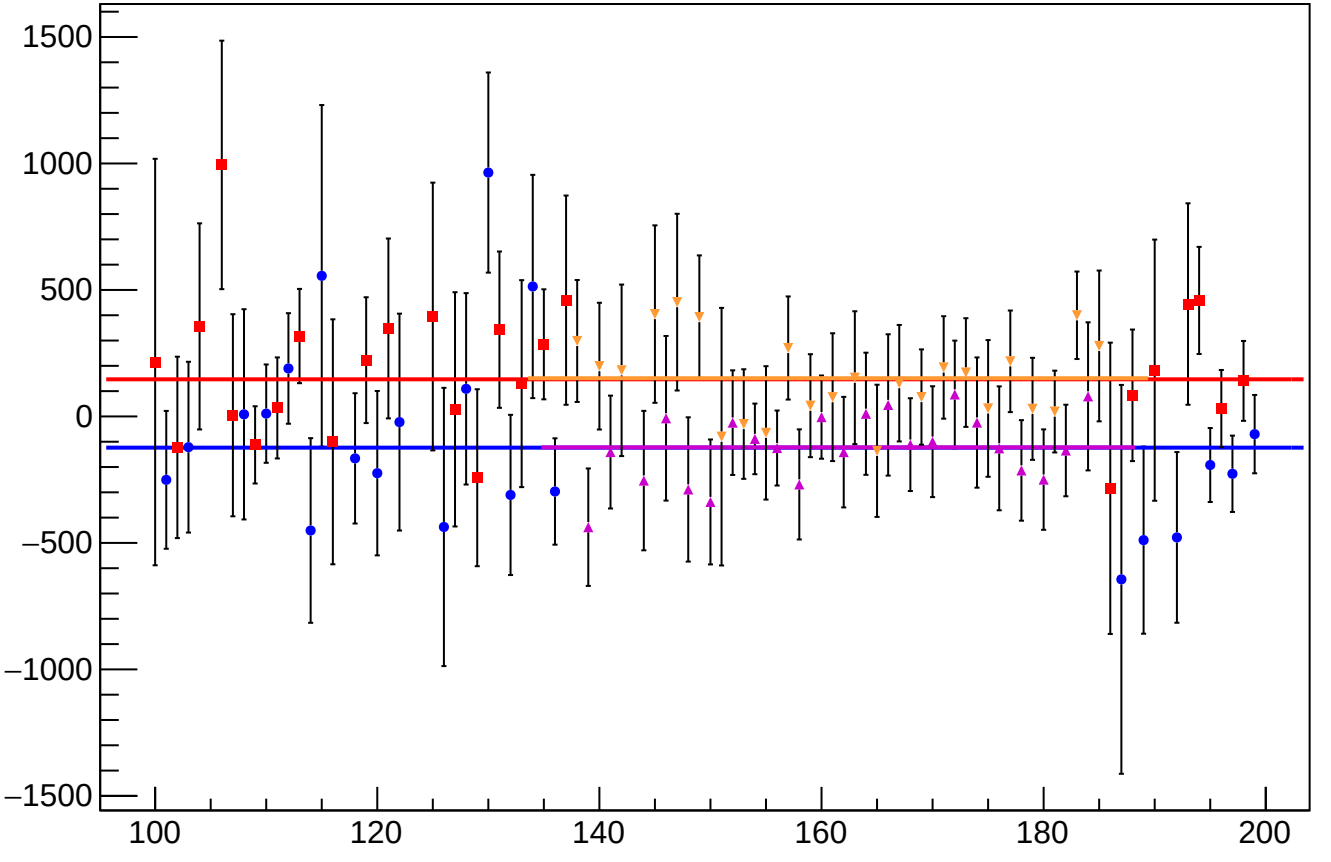
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.478+/-0.003 χ^2/NDF: 35453.7/45

All: 22.487+/-0.002 χ^2/NDF: 78237.0/93

\- sign 22.495+/-0.003 χ^2/NDF: 42766.5/47

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -123.398+/-55.925 χ^2/NDF: 19.6/21

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 146.753+/-53.928 χ^2/NDF: 15.5/24

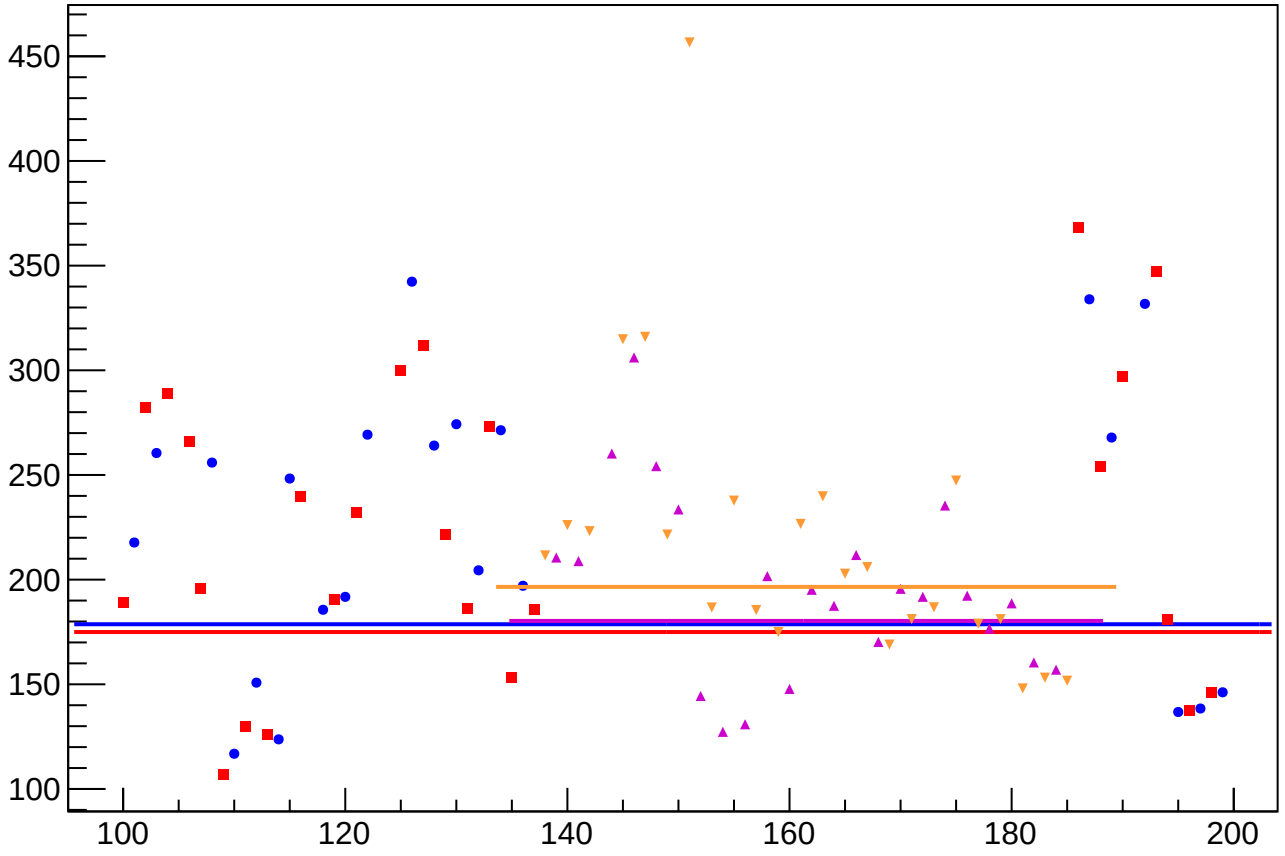
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 36.587+/-36.122 χ^2/NDF: 43.6/45

All: 9.478+/-24.794 χ^2/NDF: 82.5/93

- sign -14.674+/-34.095 χ^2/NDF: 37.9/47

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 178.692+/-0.040 χ^2/NDF: 2140053.2/21

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 174.968+/-0.038 χ^2/NDF: 2689730.3/24

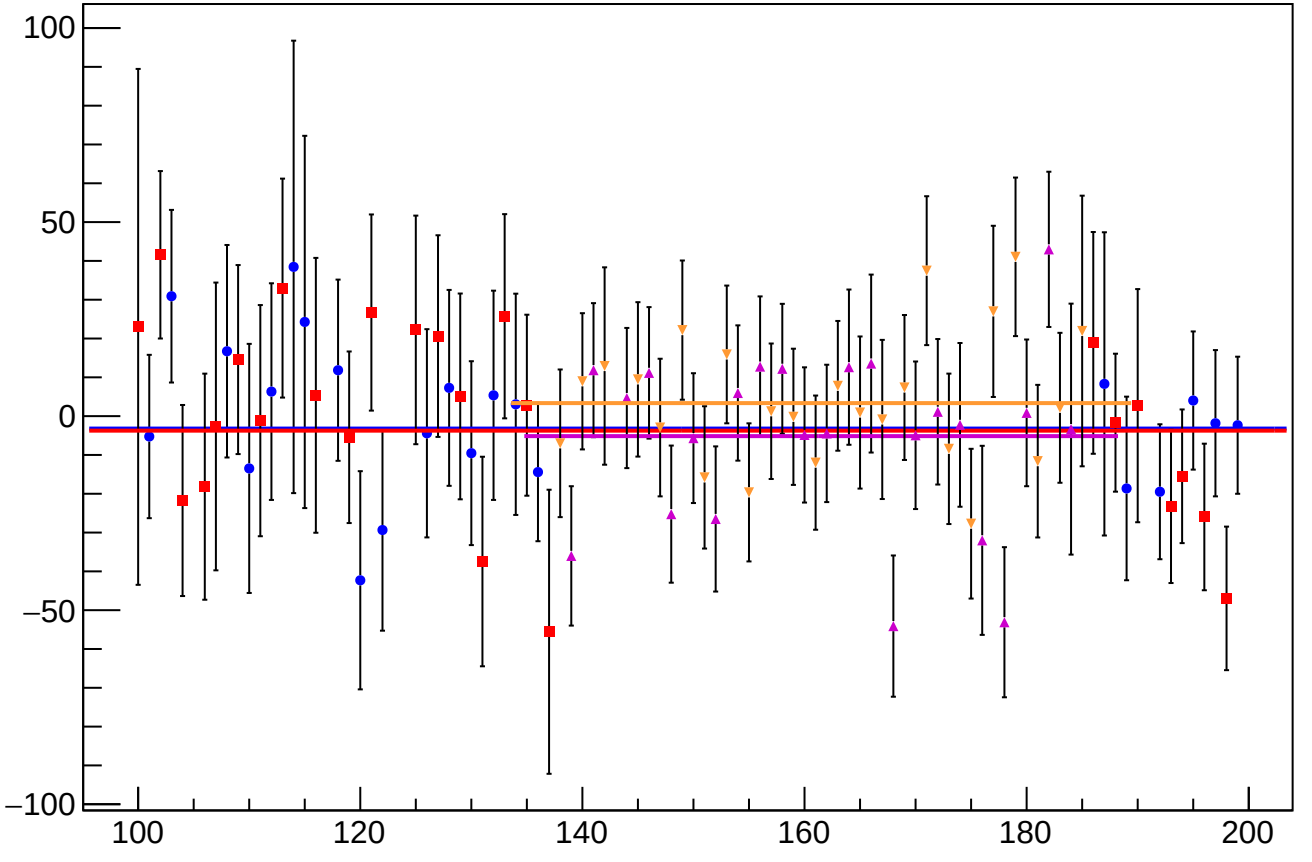
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 189.090+/-0.026 χ^2/NDF: 3986570.8/45

All: 183.306+/-0.018 χ^2/NDF: 8409570.1/93

- sign 178.153+/-0.024 χ^2/NDF: 4326036.4/47

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -3.206+/-5.089 χ^2/NDF: 9.7/21

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -3.737+/-4.937 χ^2/NDF: 24.8/24

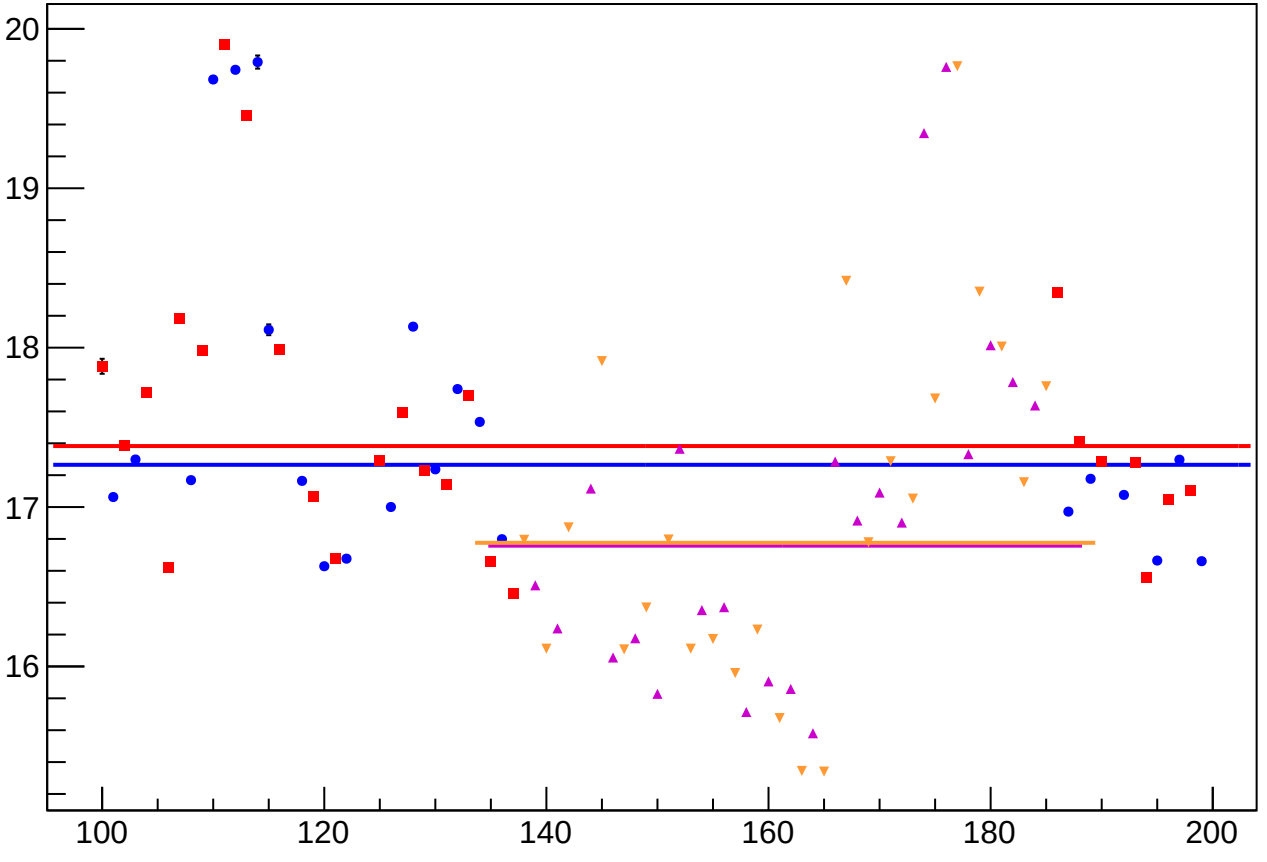
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.927+/-3.098 χ^2/NDF: 28.4/45

All: -1.861+/-2.181 χ^2/NDF: 87.1/93

- sign -4.603+/-3.072 χ^2/NDF: 57.1/47

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.265+/-0.004 χ^2/NDF: 43530.3/21

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.383+/-0.003 χ^2/NDF: 43609.2/24

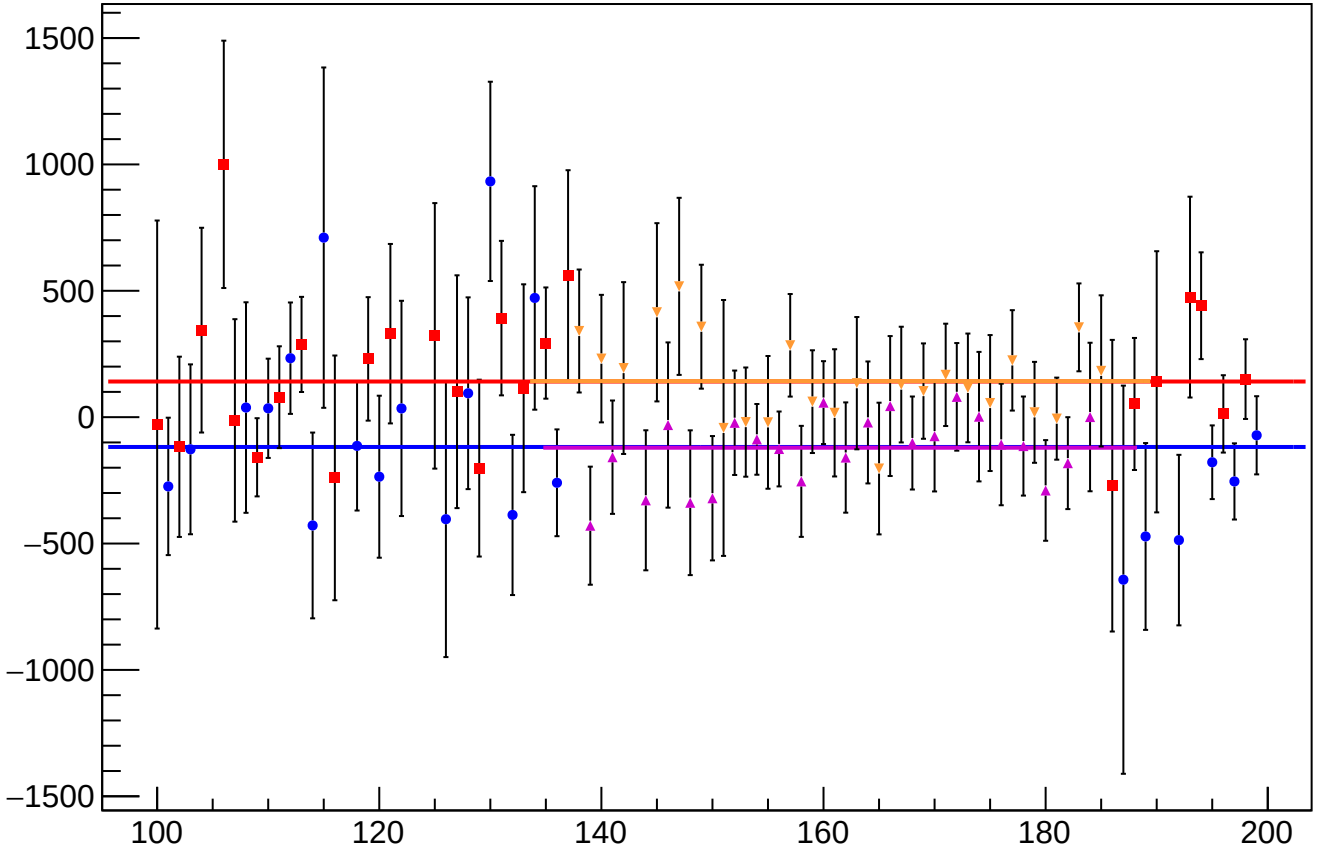
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.957+/-0.002 χ^2/NDF: 191307.7/45

All: 16.979+/-0.002 χ^2/NDF: 378052.1/93

- sign 17.000+/-0.002 χ^2/NDF: 186552.6/47

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -117.922+/-55.925 χ^2/NDF: 20.4/21

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 141.046+/-54.061 χ^2/NDF: 16.9/24

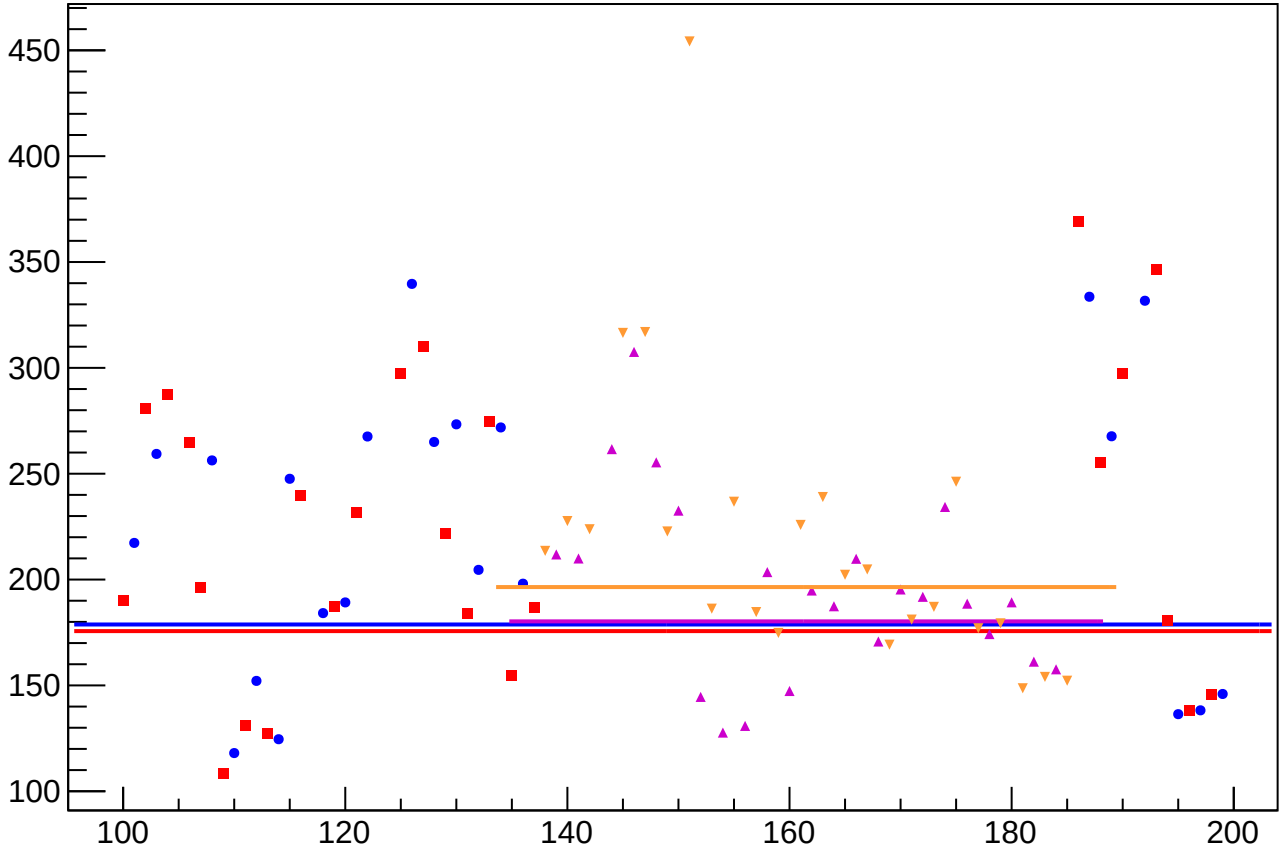
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 34.045+/-36.109 χ^2/NDF: 43.2/45

All: 7.328+/-24.801 χ^2/NDF: 83.5/93

- sign -16.531+/-34.123 χ^2/NDF: 39.2/47

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 178.779+/-0.040 χ^2/NDF: 2121906.9/21

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 175.649+/-0.038 χ^2/NDF: 2631995.1/24

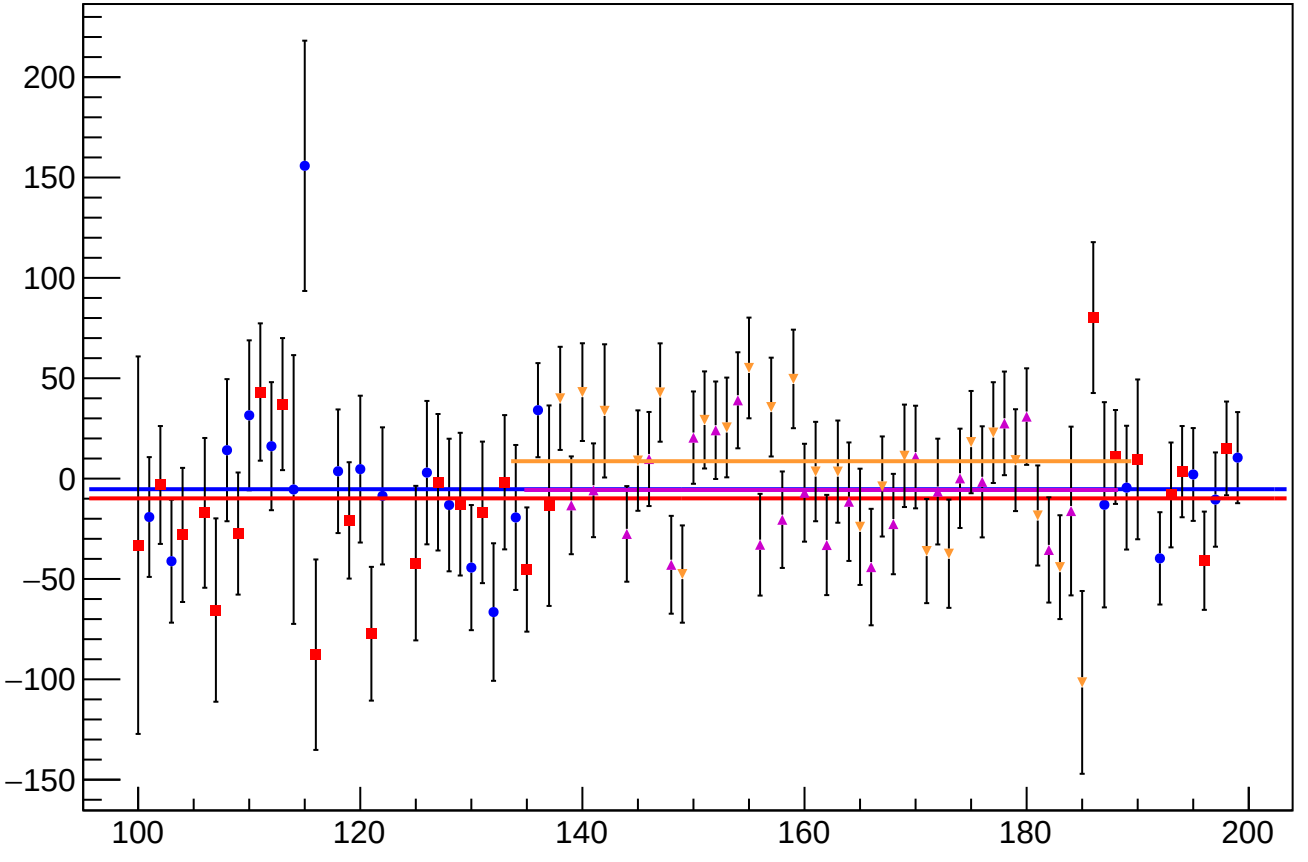
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 189.084+/-0.026 χ^2/NDF: 3961897.3/45

All: 183.448+/-0.018 χ^2/NDF: 8322603.9/93

- sign 178.415+/-0.024 χ^2/NDF: 4268480.6/47

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -5.283+/-6.602 χ^2/NDF: 20.9/21

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.848+/-6.414 χ^2/NDF: 25.7/24

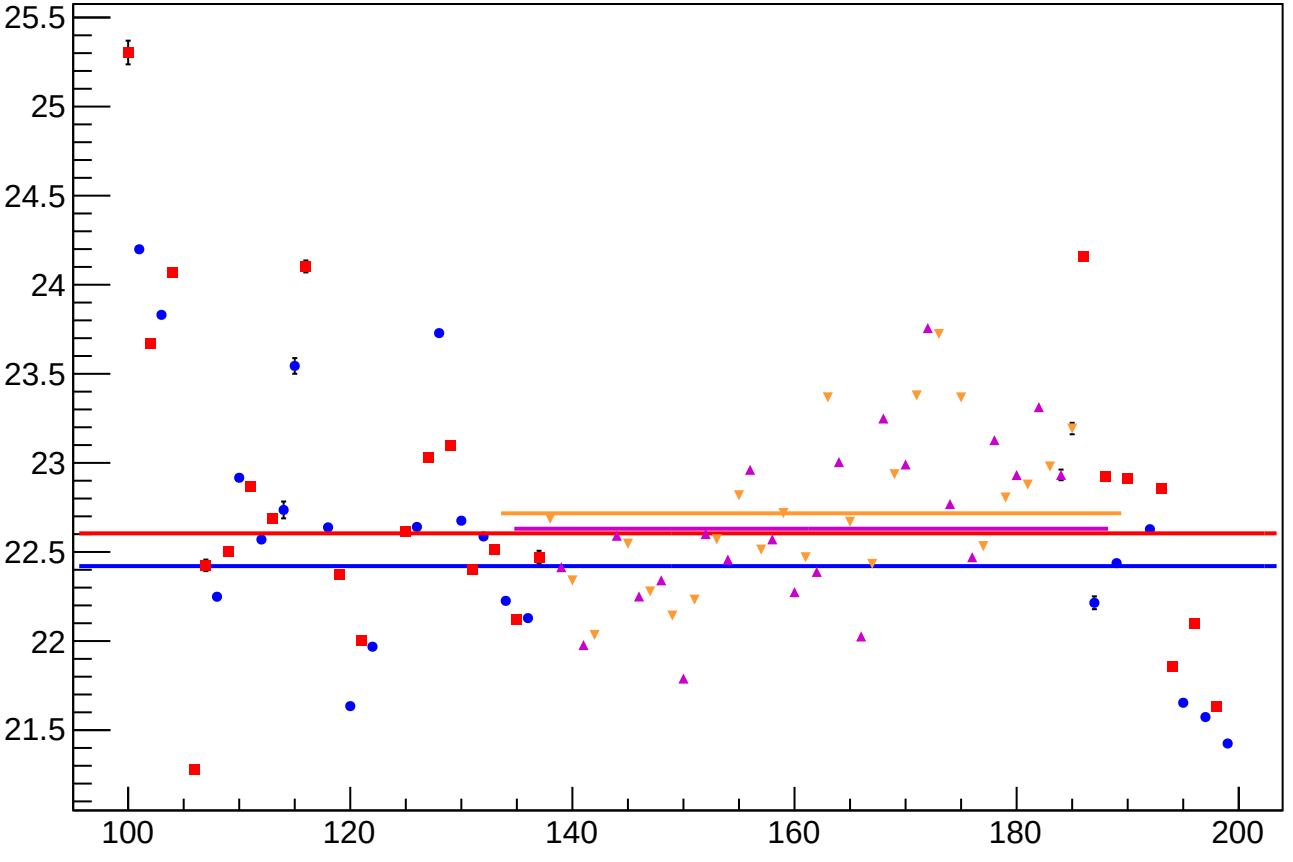
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.230+/-4.121 χ^2/NDF: 62.8/45

All: -2.118+/-2.899 χ^2/NDF: 112.8/93

- sign -7.359+/-4.079 χ^2/NDF: 46.7/47

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.421+/-0.005 χ^2/NDF: 26460.4/21

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.605+/-0.005 χ^2/NDF: 25450.8/24

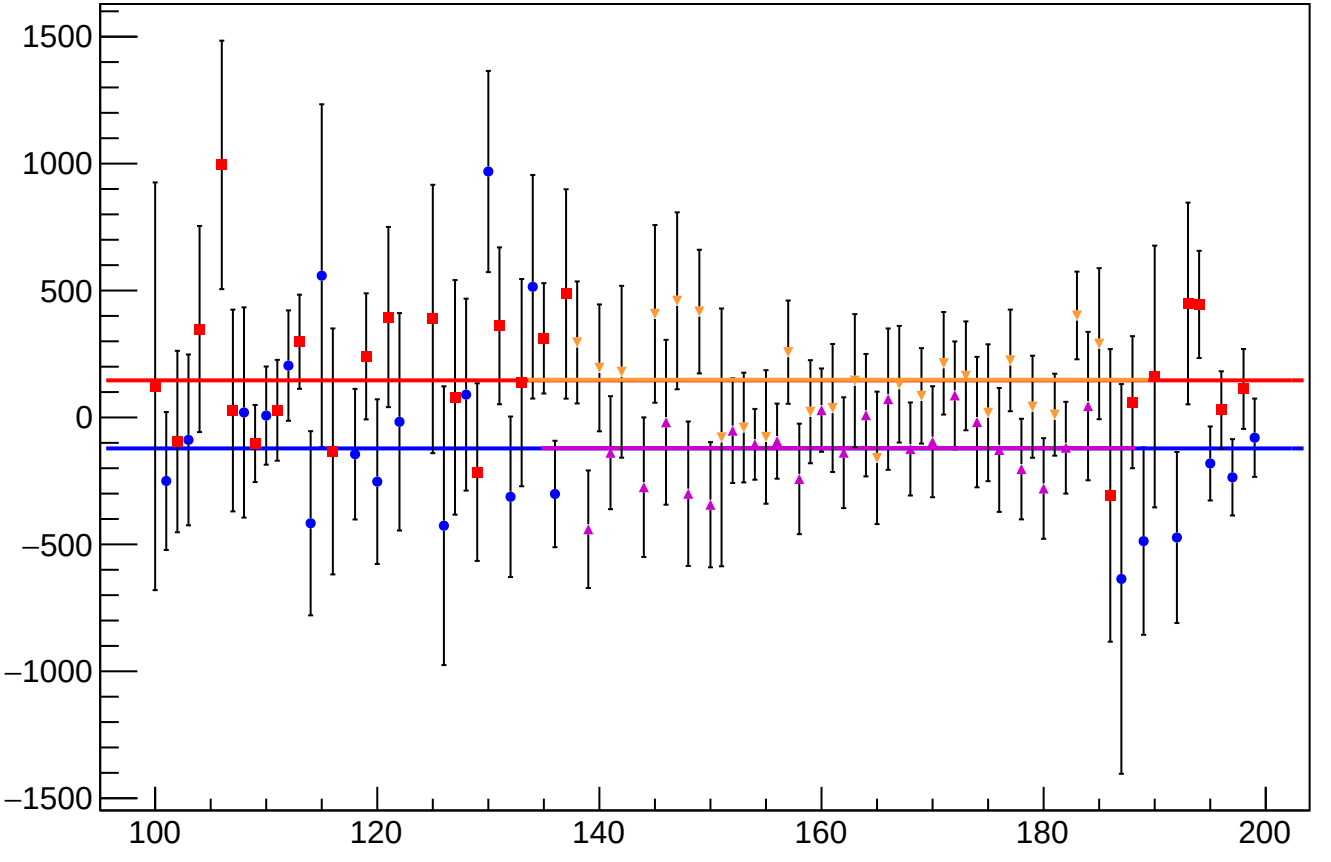
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.602+/-0.003 χ^2/NDF: 41097.3/45

All: 22.611+/-0.002 χ^2/NDF: 81979.4/93

- sign 22.620+/-0.003 χ^2/NDF: 40861.6/47

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -121.969+/-55.751 χ^2/NDF: 19.7/21

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 146.147+/-53.764 χ^2/NDF: 15.5/24

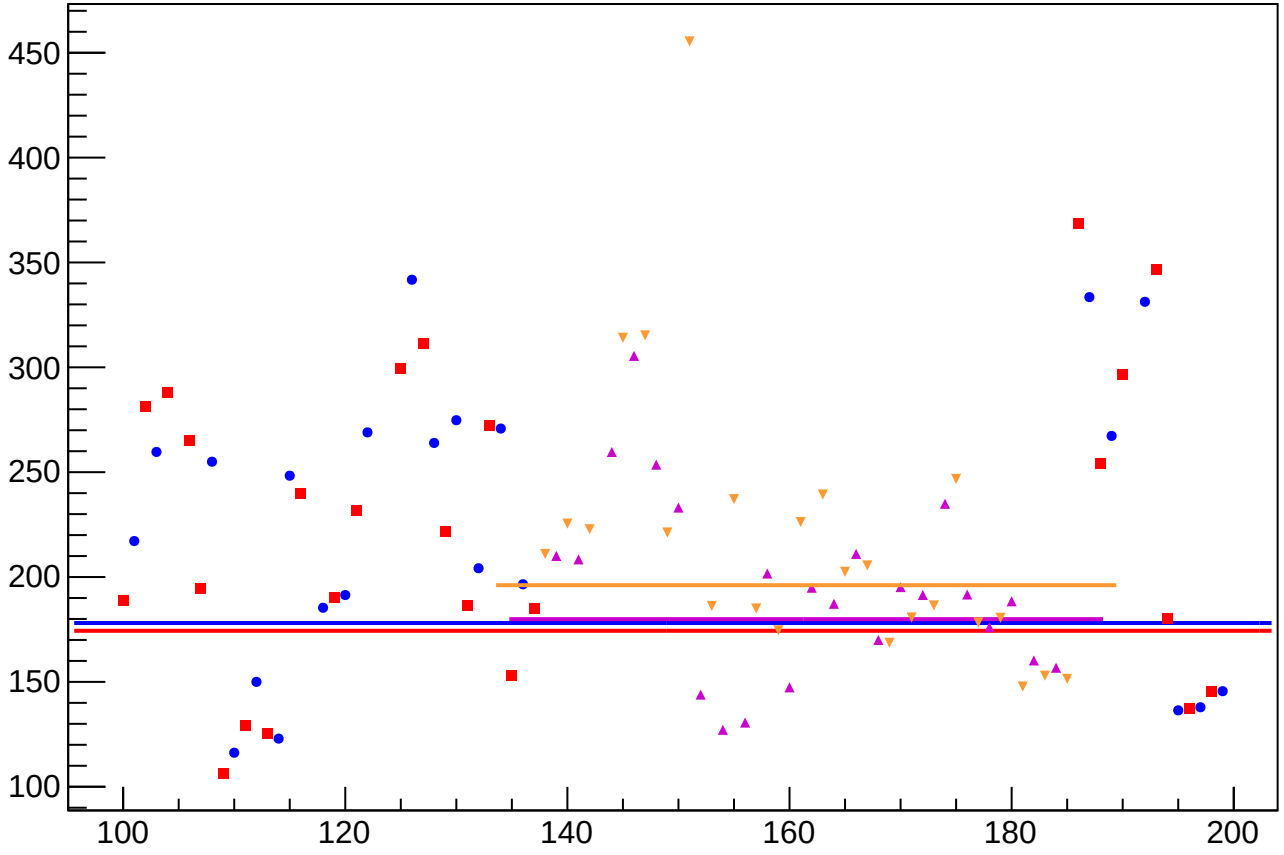
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 35.497+/-36.029 χ^2/NDF: 44.3/45

All: 9.360+/-24.733 χ^2/NDF: 83.4/93

- sign -13.933+/-34.014 χ^2/NDF: 38.1/47

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 178.081+/-0.039 χ^2/NDF: 2153845.0/21

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 174.364+/-0.038 χ^2/NDF: 2708135.1/24

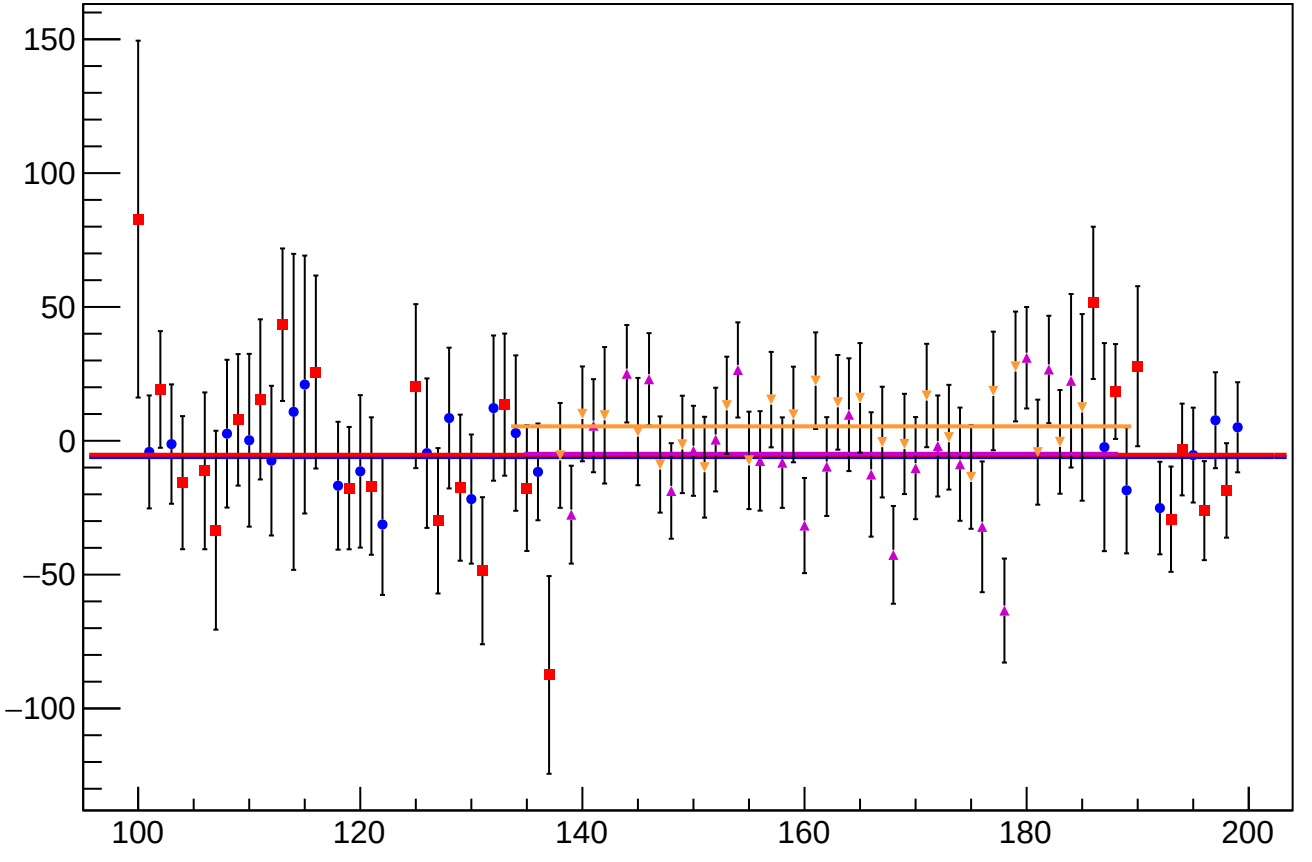
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 188.581+/-0.025 χ^2/NDF: 4001966.9/45

All: 182.827+/-0.017 χ^2/NDF: 8443561.6/93

- sign 177.698+/-0.024 χ^2/NDF: 4345105.2/47

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.081+/-5.087 χ^2/NDF: 5.7/21

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -5.210+/-4.953 χ^2/NDF: 29.0/24

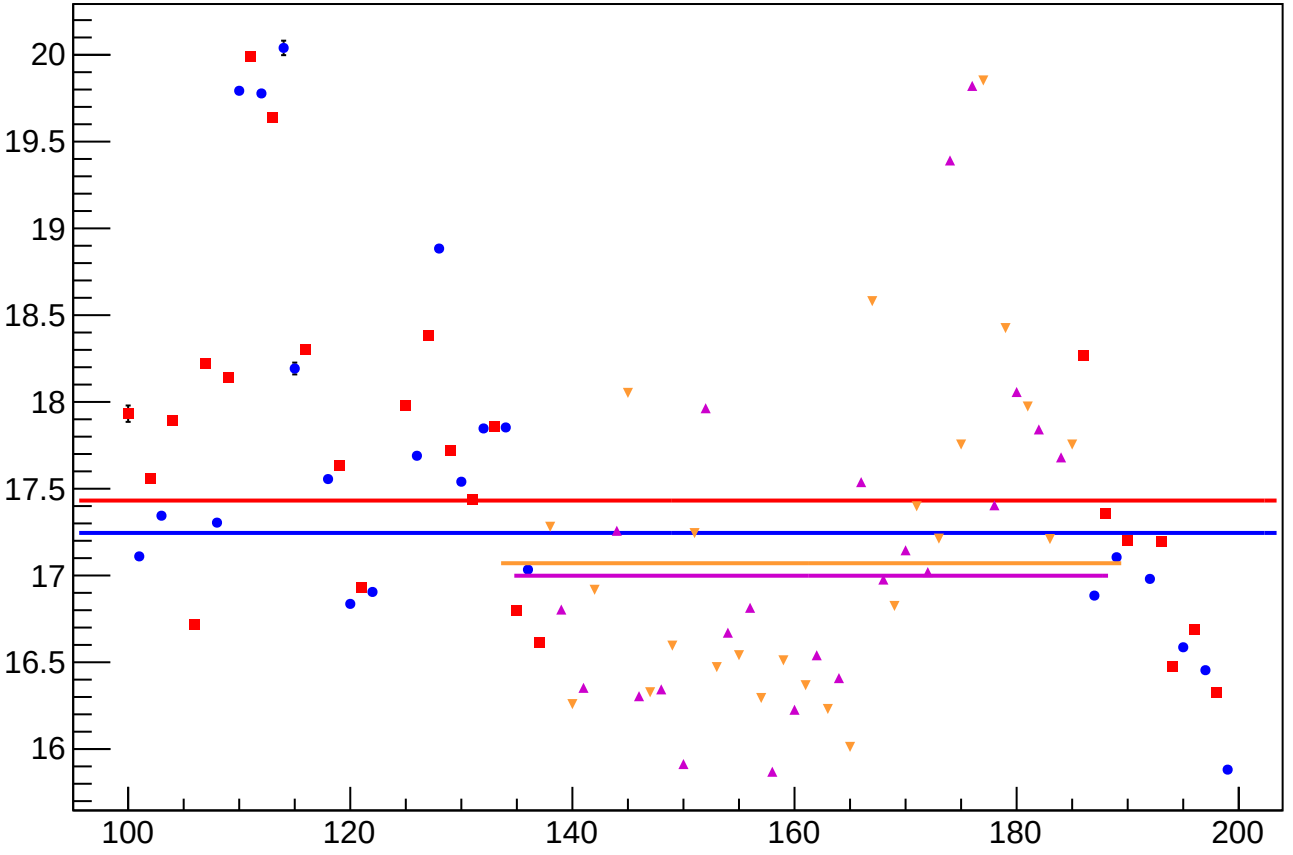
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 1.055+/-3.131 χ^2/NDF: 16.6/45

All: -1.998+/-2.204 χ^2/NDF: 83.0/93

- sign -4.996+/-3.103 χ^2/NDF: 64.5/47

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.245+/-0.004 χ^2/NDF: 66546.6/21

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.432+/-0.004 χ^2/NDF: 59050.6/24

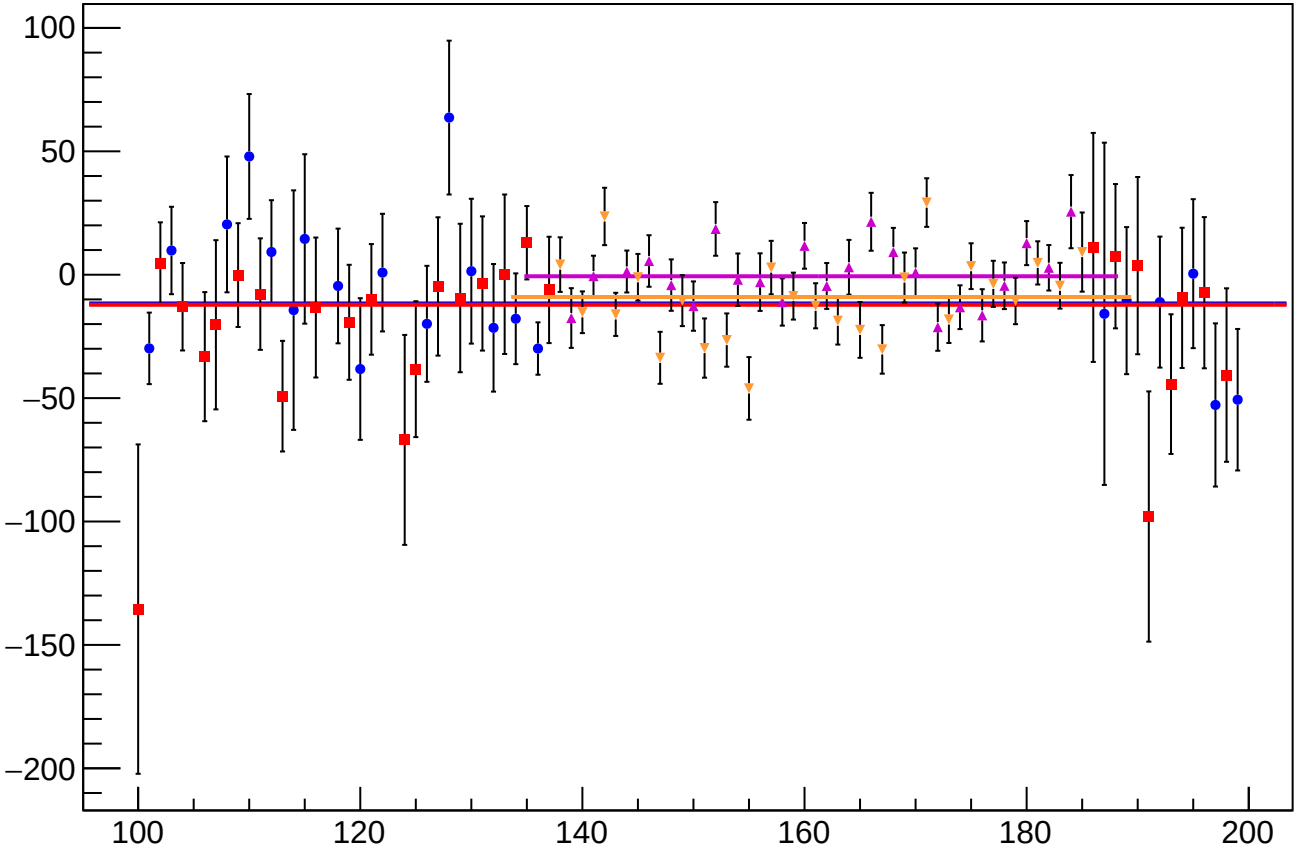
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.137+/-0.002 χ^2/NDF: 164322.5/45

All: 17.153+/-0.002 χ^2/NDF: 336789.5/93

- sign 17.169+/-0.002 χ^2/NDF: 172362.7/47

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -11.636+/-4.849 χ^2/NDF: 25.7/21

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -12.174+/-4.939 χ^2/NDF: 19.9/26

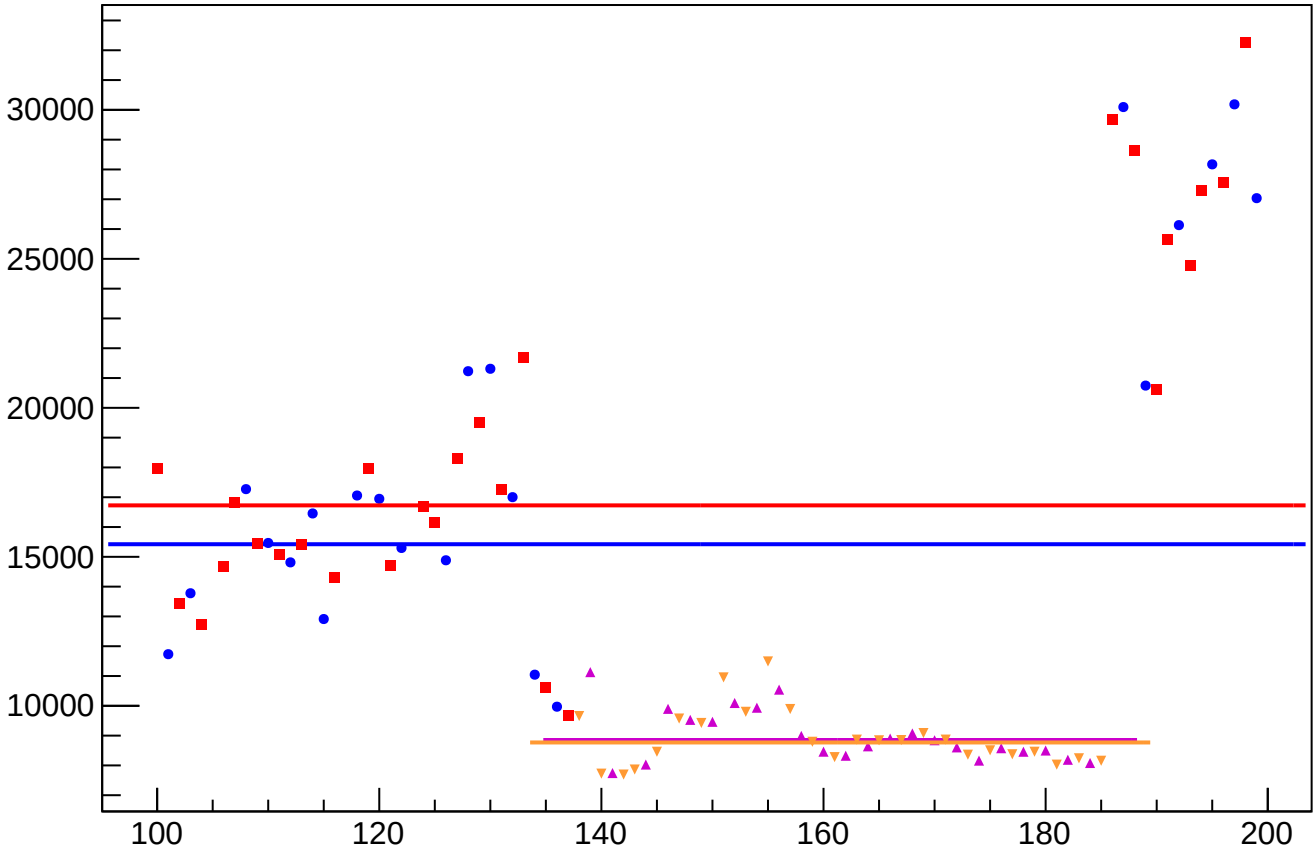
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.409+/-1.854 χ^2/NDF: 87.9/46

All: -6.004+/-1.332 χ^2/NDF: 148.9/96

- sign -2.366+/-1.916 χ^2/NDF: 54.0/49

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 15423.025+/-3.429 χ^2/NDF: 2547491.1/21

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 16726.724+/-3.492 χ^2/NDF: 2528286.0/26

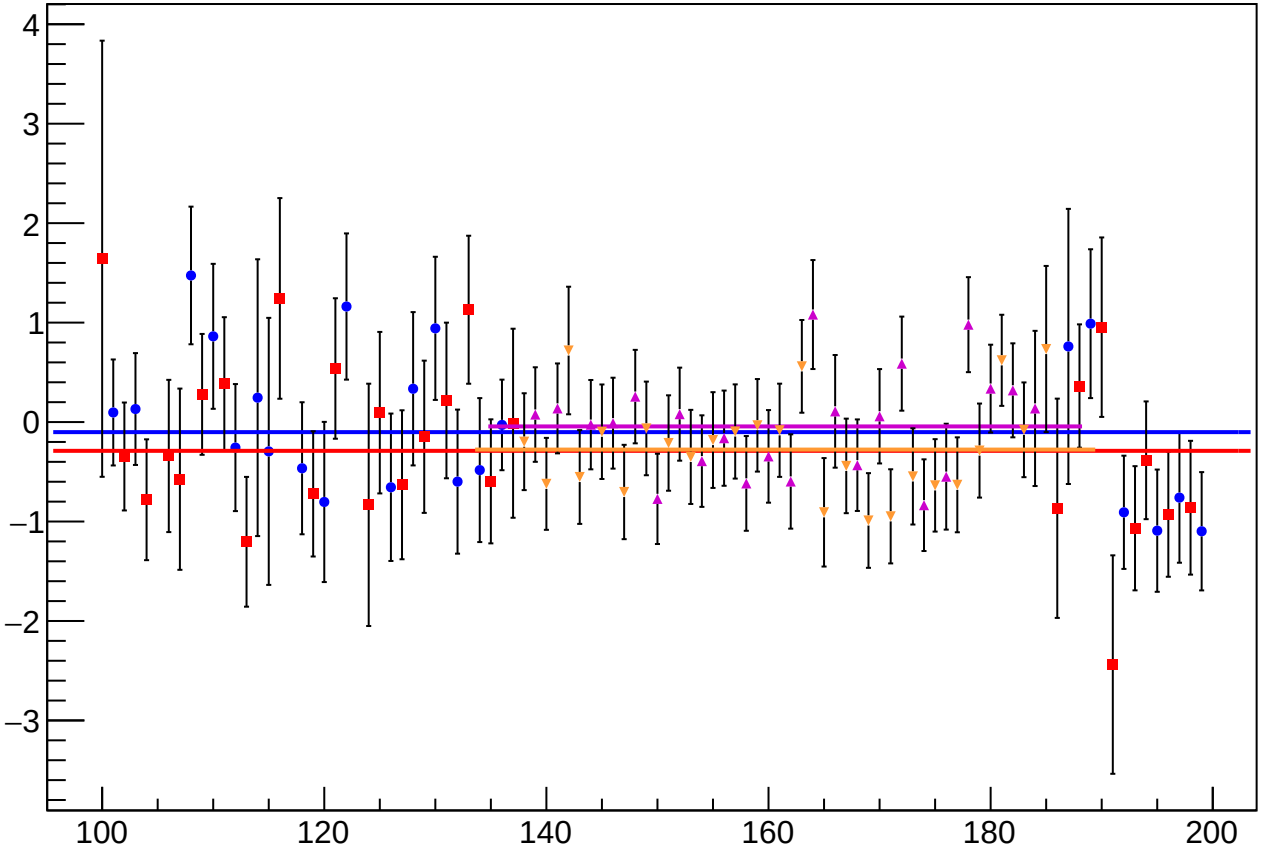
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9742.745+/-1.311 χ^2/NDF: 6106536.7/46

All: 9885.662+/-0.942 χ^2/NDF: 13277562.1/9

- sign 10038.353+/-1.355 χ^2/NDF: 7146443.8/49

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.101+/-0.146 χ^2/NDF: 26.1/21

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.289+/-0.141 χ^2/NDF: 25.0/26

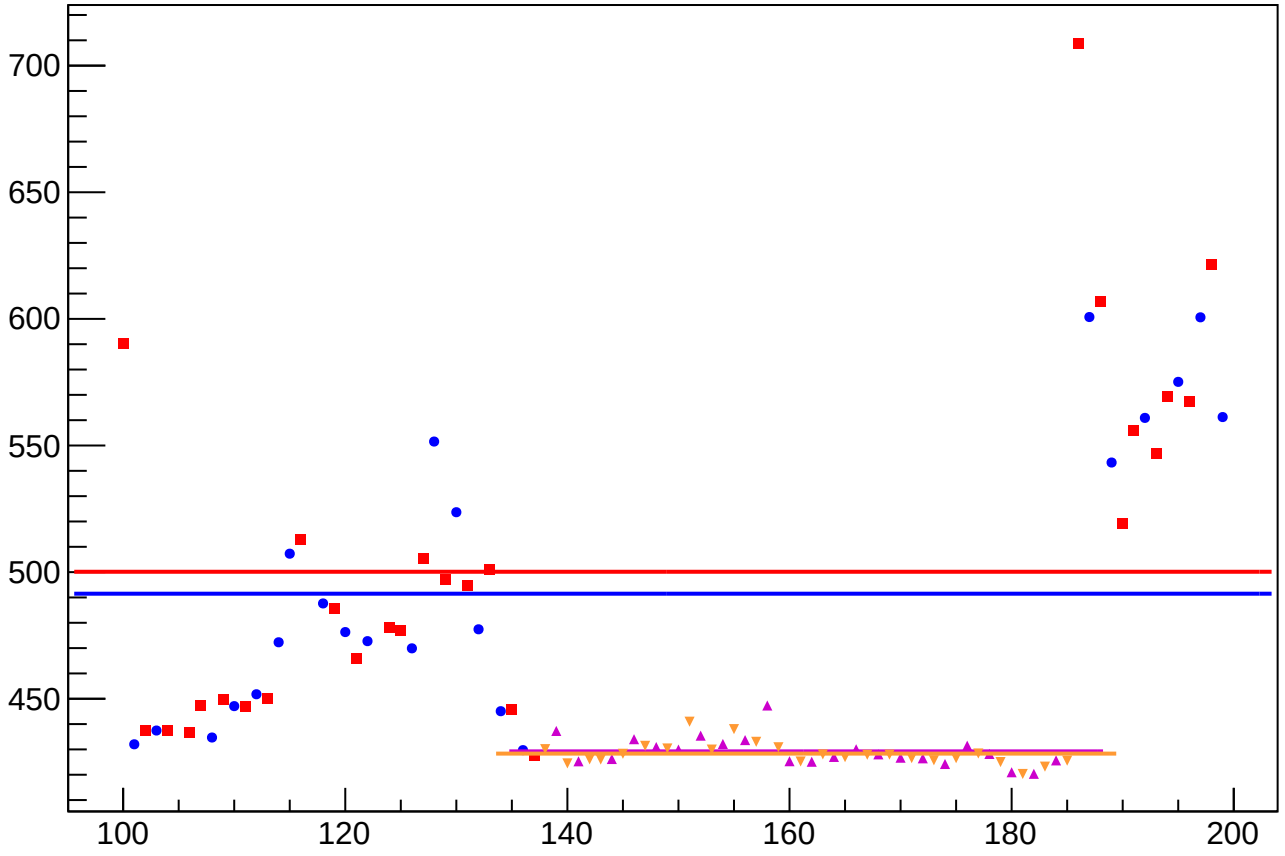
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.223+/-0.081 χ^2/NDF: 48.1/46

All: -0.175+/-0.057 χ^2/NDF: 99.7/96

- sign -0.126+/-0.082 χ^2/NDF: 50.9/49

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 491.484+/-0.103 χ^2/NDF: 310287.2/21

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 500.148+/-0.100 χ^2/NDF: 408610.3/26

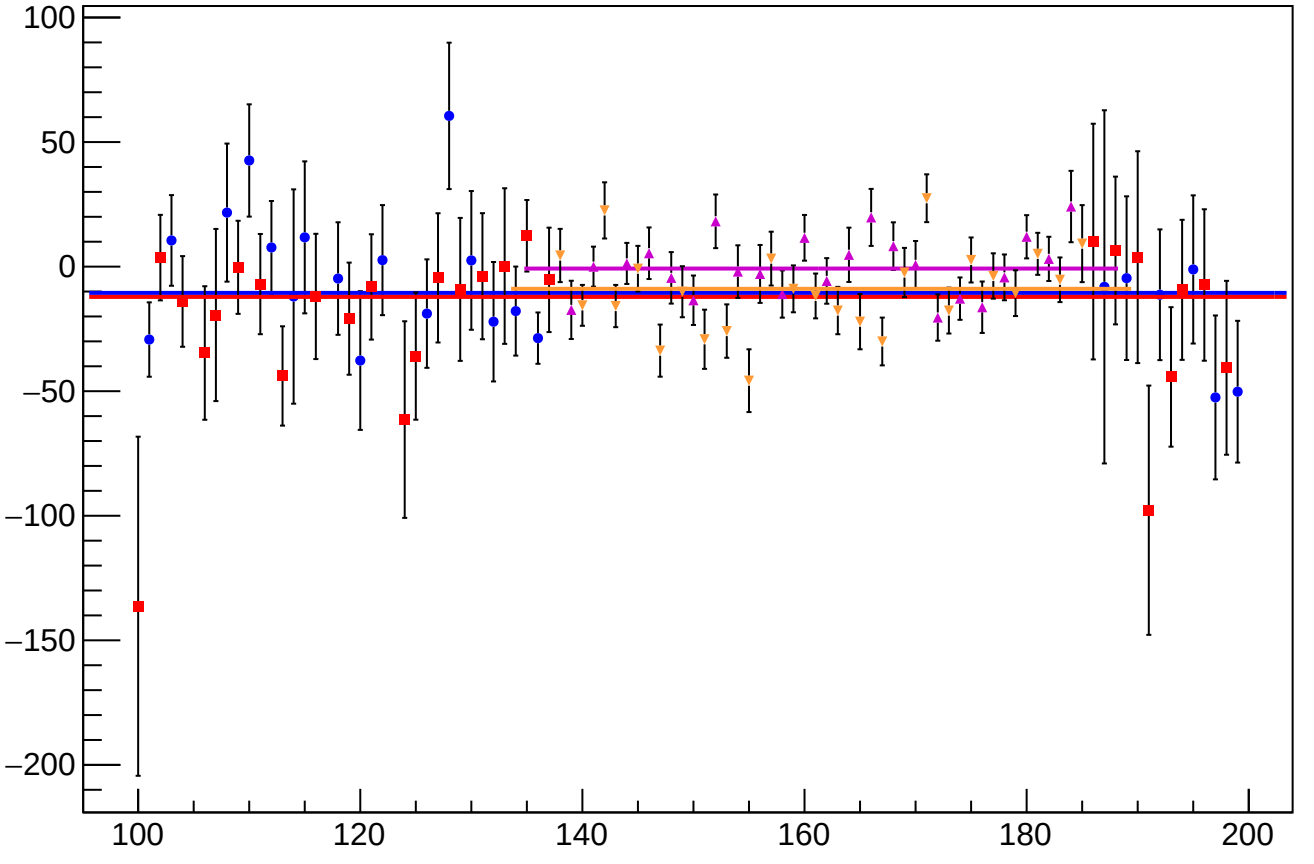
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 447.823+/-0.057 χ^2/NDF: 574115.7/46

All: 450.432+/-0.041 χ^2/NDF: 1330551.5/96

- sign 453.089+/-0.058 χ^2/NDF: 752237.9/49

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -10.540+/-4.698 χ^2/NDF: 26.1/21

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -12.151+/-4.763 χ^2/NDF: 19.6/26

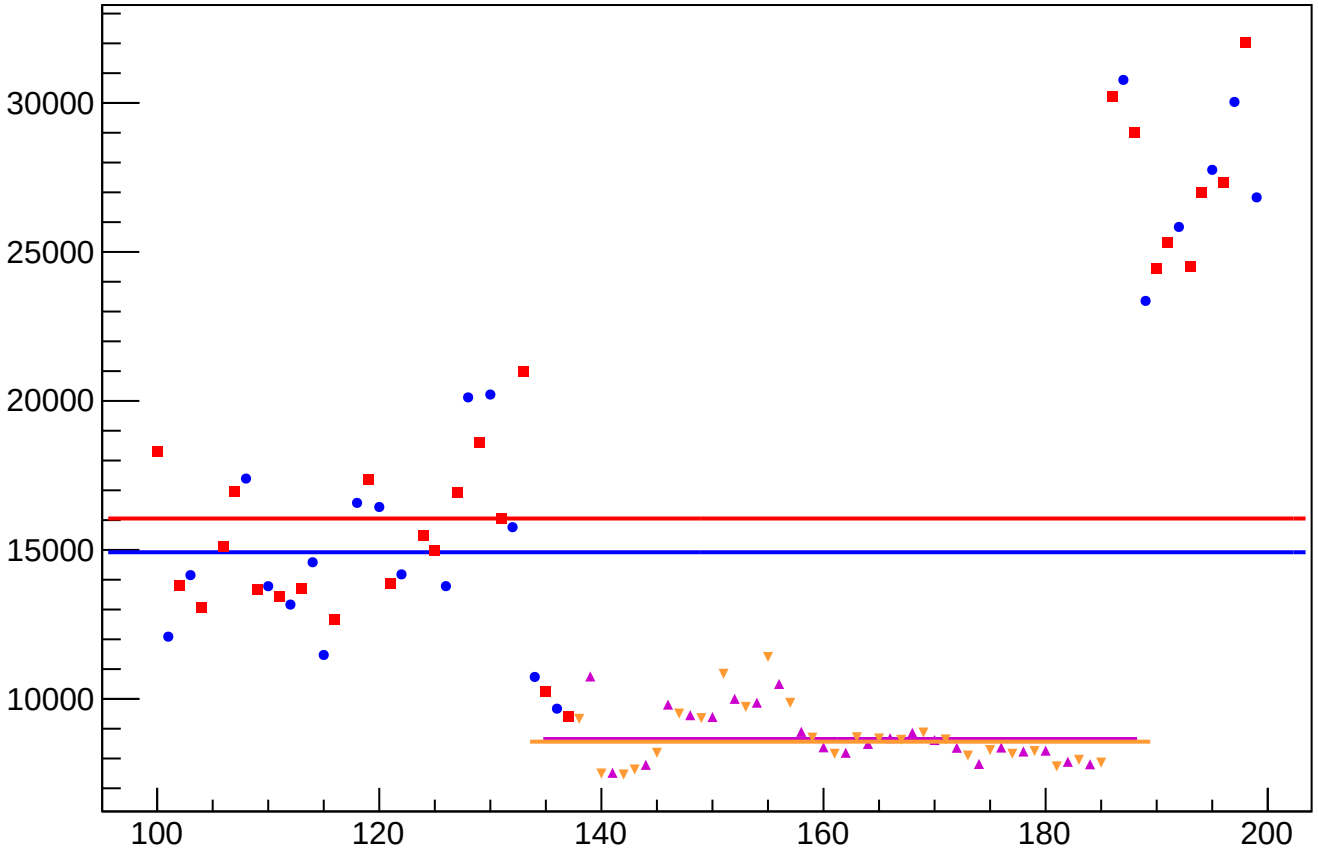
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -9.147+/-1.810 χ^2/NDF: 87.8/46

All: -5.947+/-1.301 χ^2/NDF: 148.0/96

- sign -2.528+/-1.870 χ^2/NDF: 53.8/49

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 14921.444+/-3.322 χ^2/NDF: 2654495.3/21

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16054.134+/-3.368 χ^2/NDF: 2739032.9/26

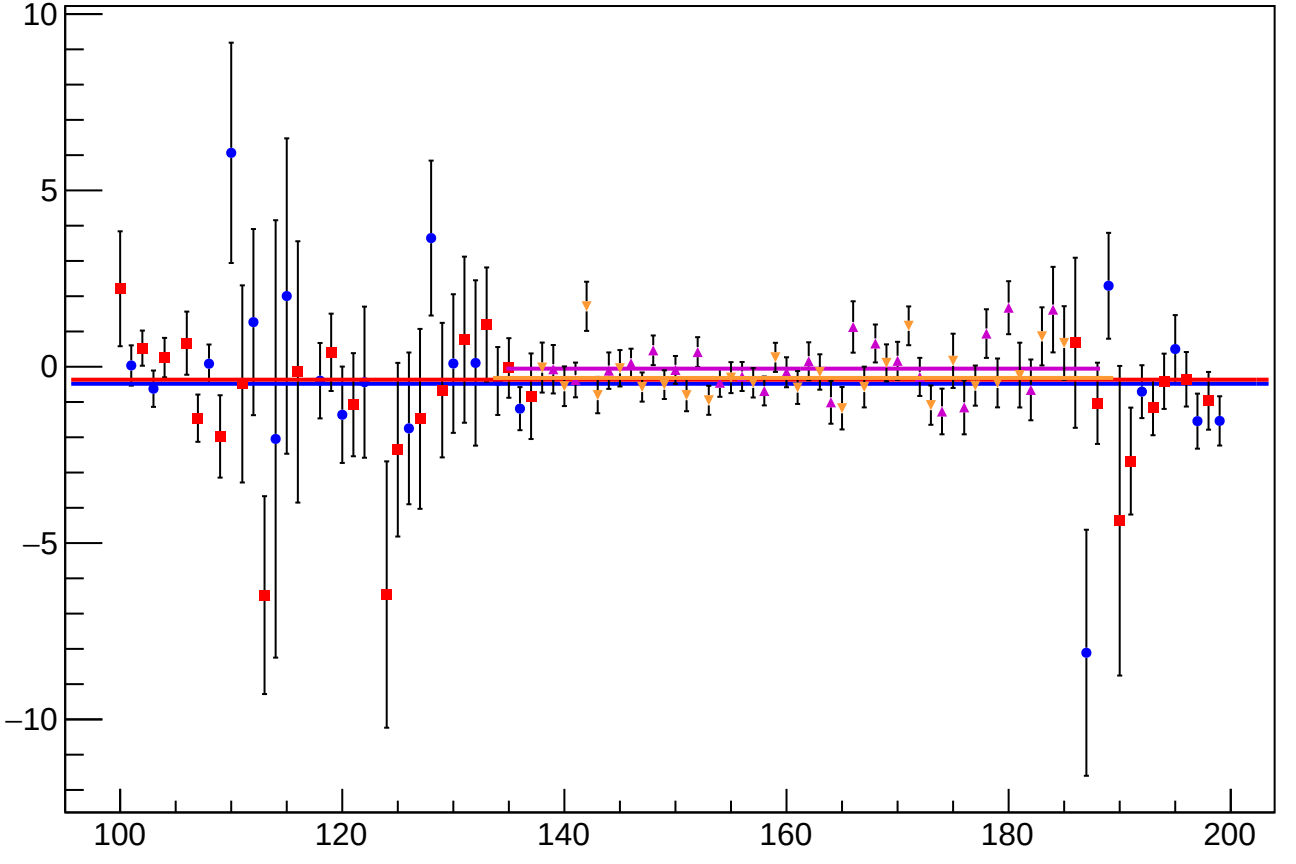
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9507.448+/-1.280 χ^2/NDF: 6173476.1/46

All: 9646.781+/-0.920 χ^2/NDF: 13365862.6/9

- sign 9795.653+/-1.323 χ^2/NDF: 7167860.2/49

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.482+/-0.205 χ^2/NDF: 26.4/21

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.367+/-0.202 χ^2/NDF: 28.5/26

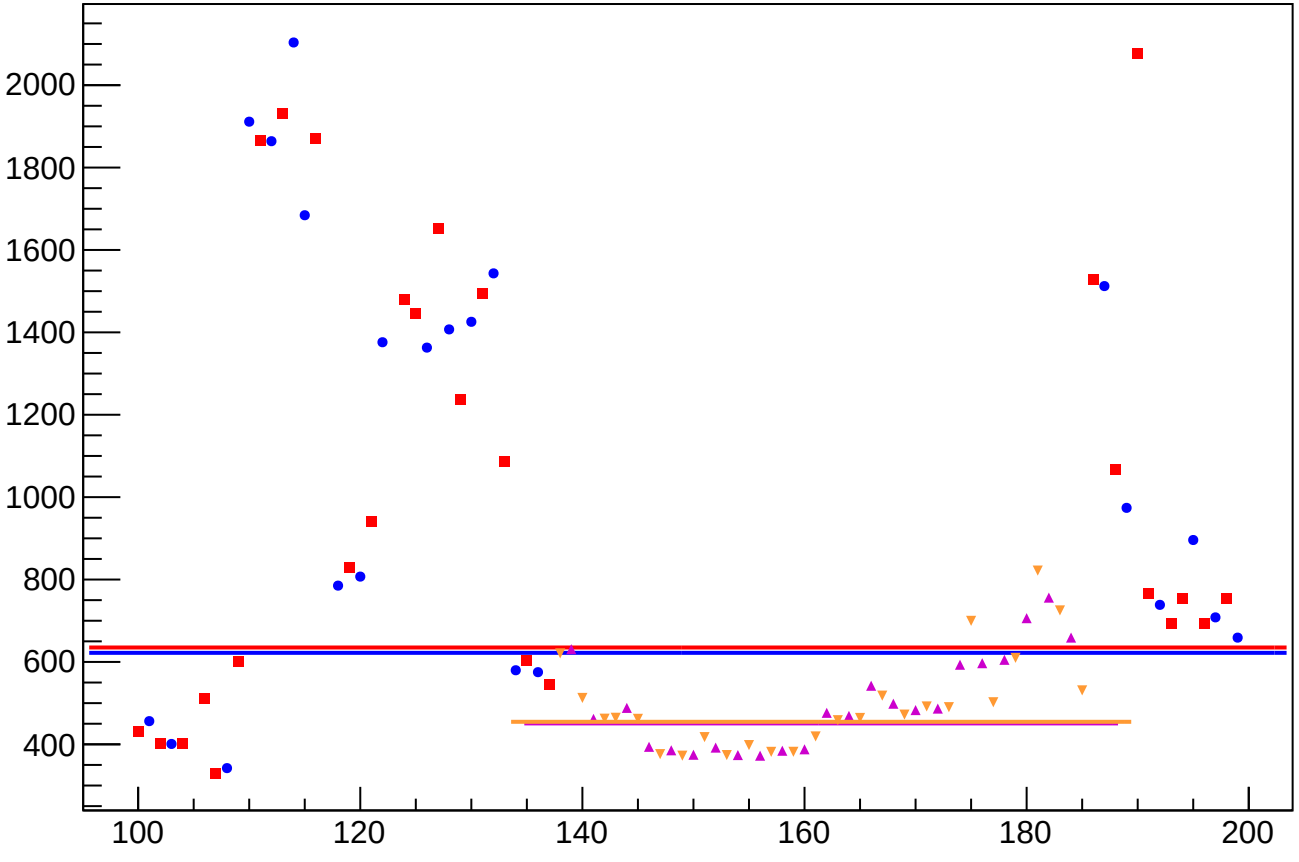
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.352+/-0.094 χ^2/NDF: 59.2/46

All: -0.240+/-0.067 χ^2/NDF: 122.3/96

- sign -0.124+/-0.095 χ^2/NDF: 60.1/49

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 622.097+/-0.145 χ^2/NDF: 4038207.1/21

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 635.055+/-0.143 χ^2/NDF: 4630101.0/26

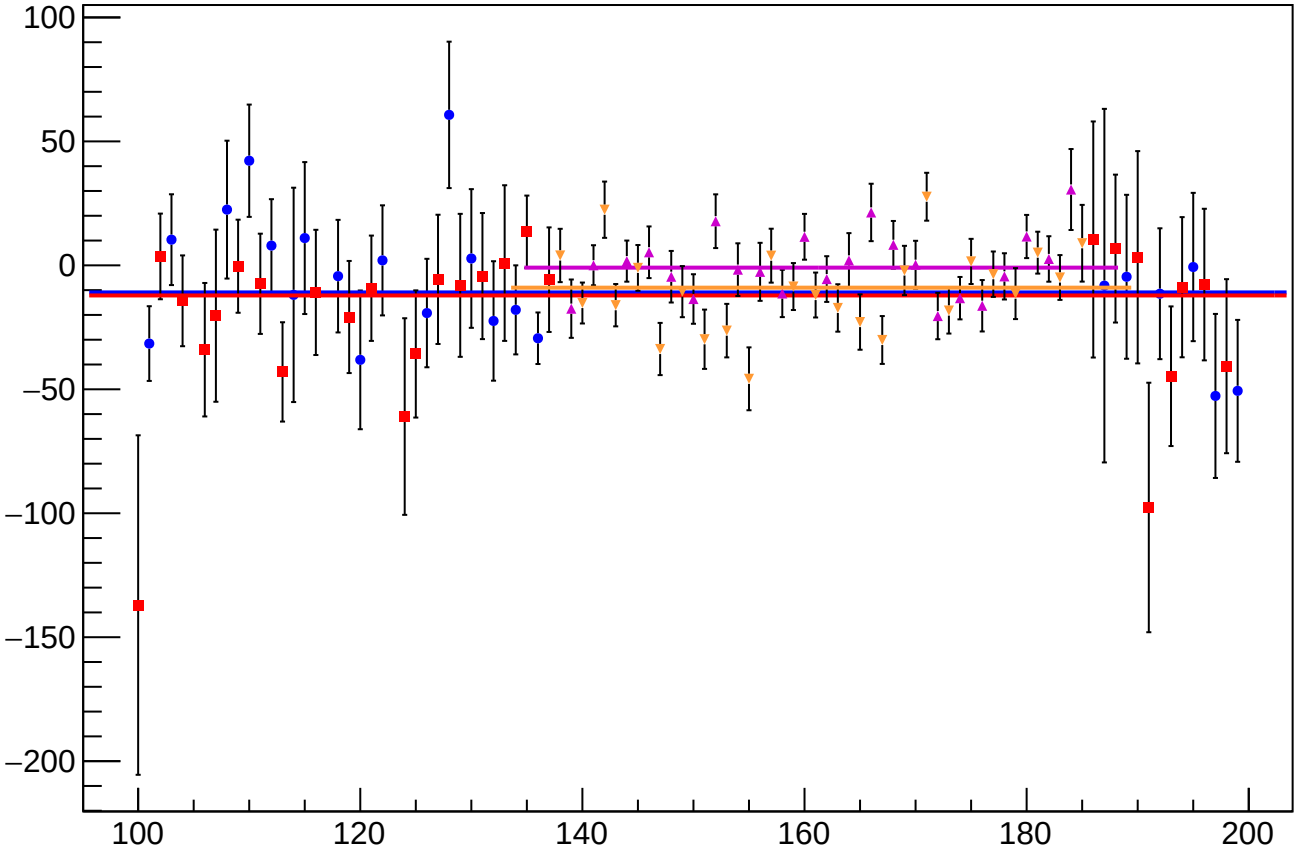
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 490.069+/-0.067 χ^2/NDF: 6544043.5/46

All: 490.955+/-0.047 χ^2/NDF: 13941331.9/96

- sign 491.863+/-0.067 χ^2/NDF: 7396929.7/49

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -10.920+/-4.729 χ^2/NDF: 26.5/21

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -12.142+/-4.795 χ^2/NDF: 19.4/26

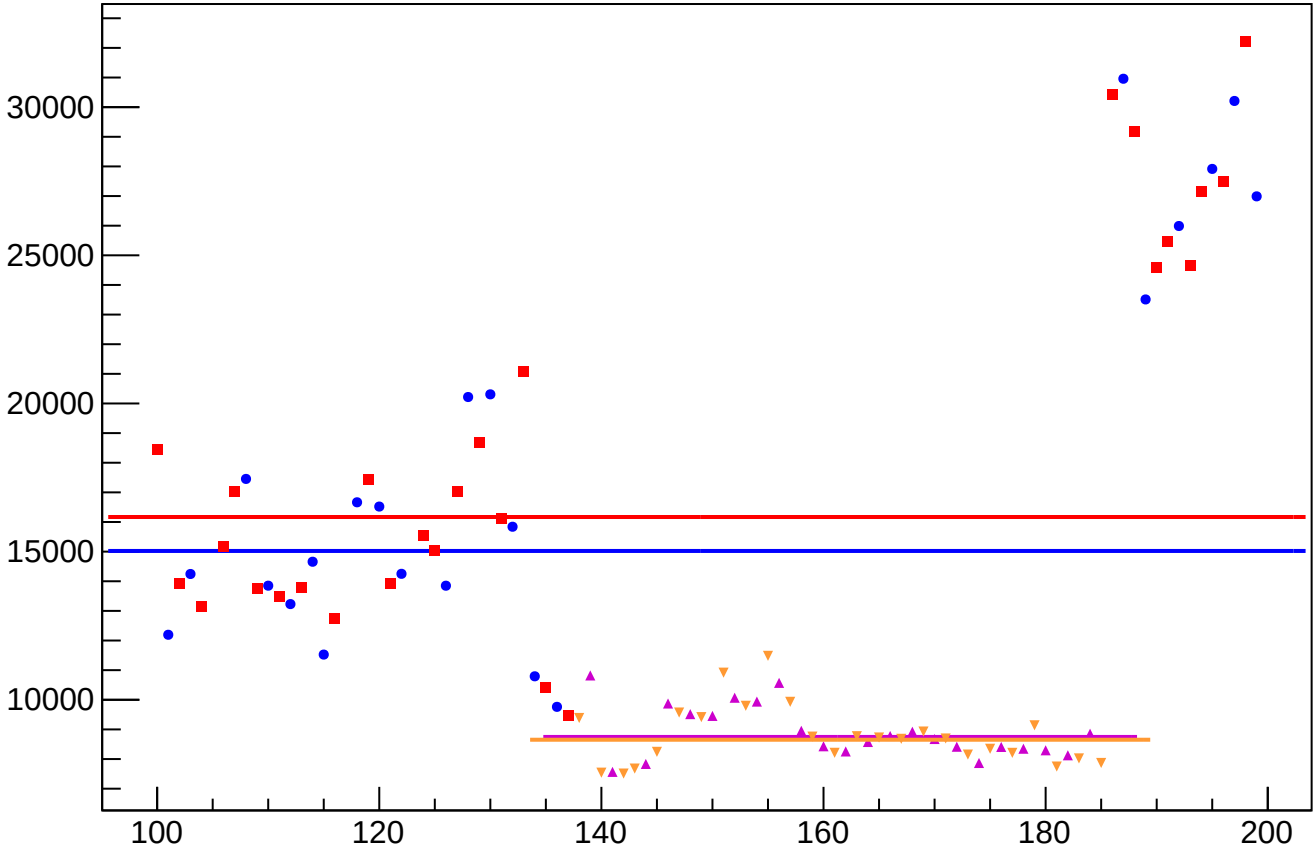
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.287+/-1.828 χ^2/NDF: 88.0/46

All: -6.087+/-1.314 χ^2/NDF: 148.2/96

- sign -2.667+/-1.889 χ^2/NDF: 53.9/49

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 15022.731+/-3.344 χ^2/NDF: 2642091.0/21

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 16168.688+/-3.391 χ^2/NDF: 2720235.8/26

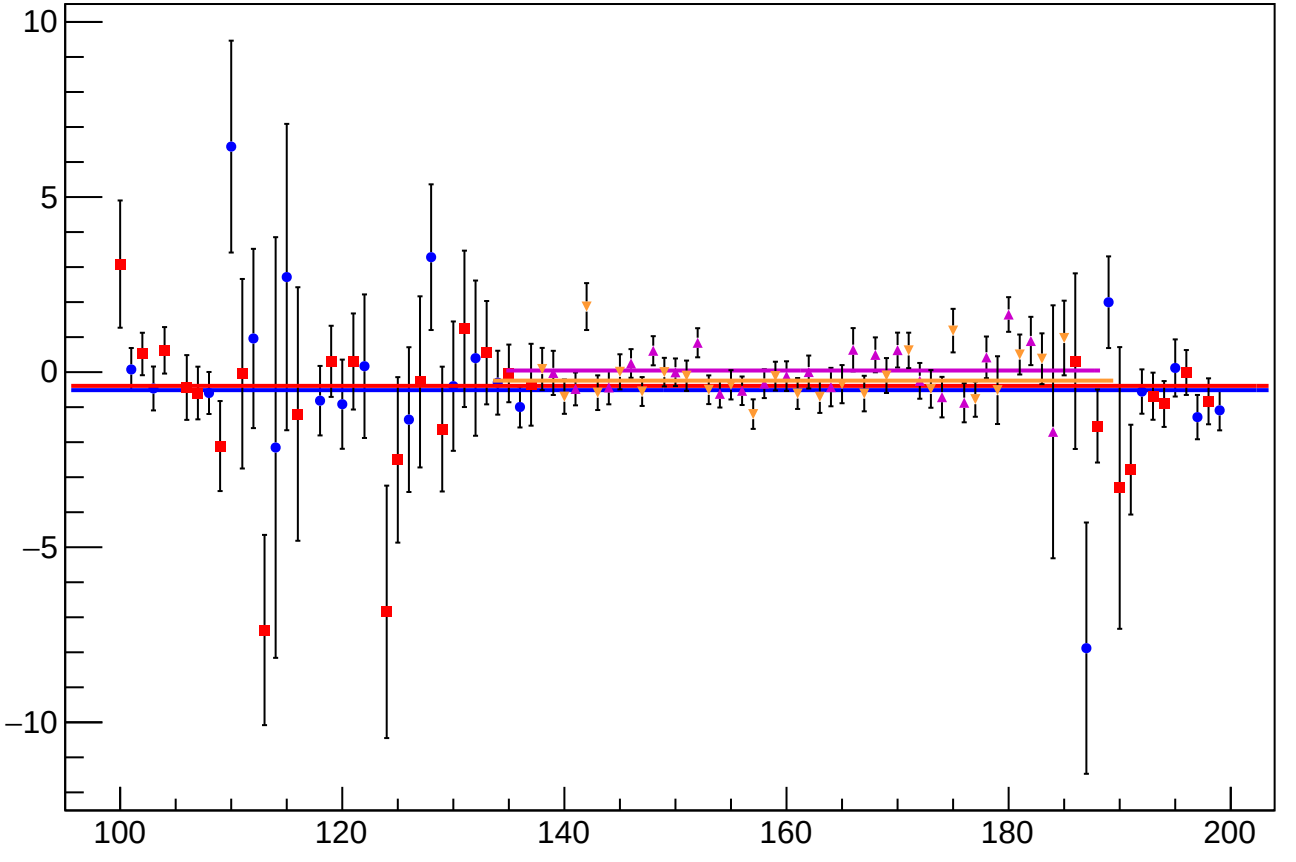
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9603.534+/-1.292 χ^2/NDF: 6134977.4/46

All: 9746.129+/-0.929 χ^2/NDF: 13260082.1/9

- sign 9898.490+/-1.336 χ^2/NDF: 7099925.2/49

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.514+/-0.198 χ^2/NDF: 22.9/21

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.392+/-0.199 χ^2/NDF: 30.0/26

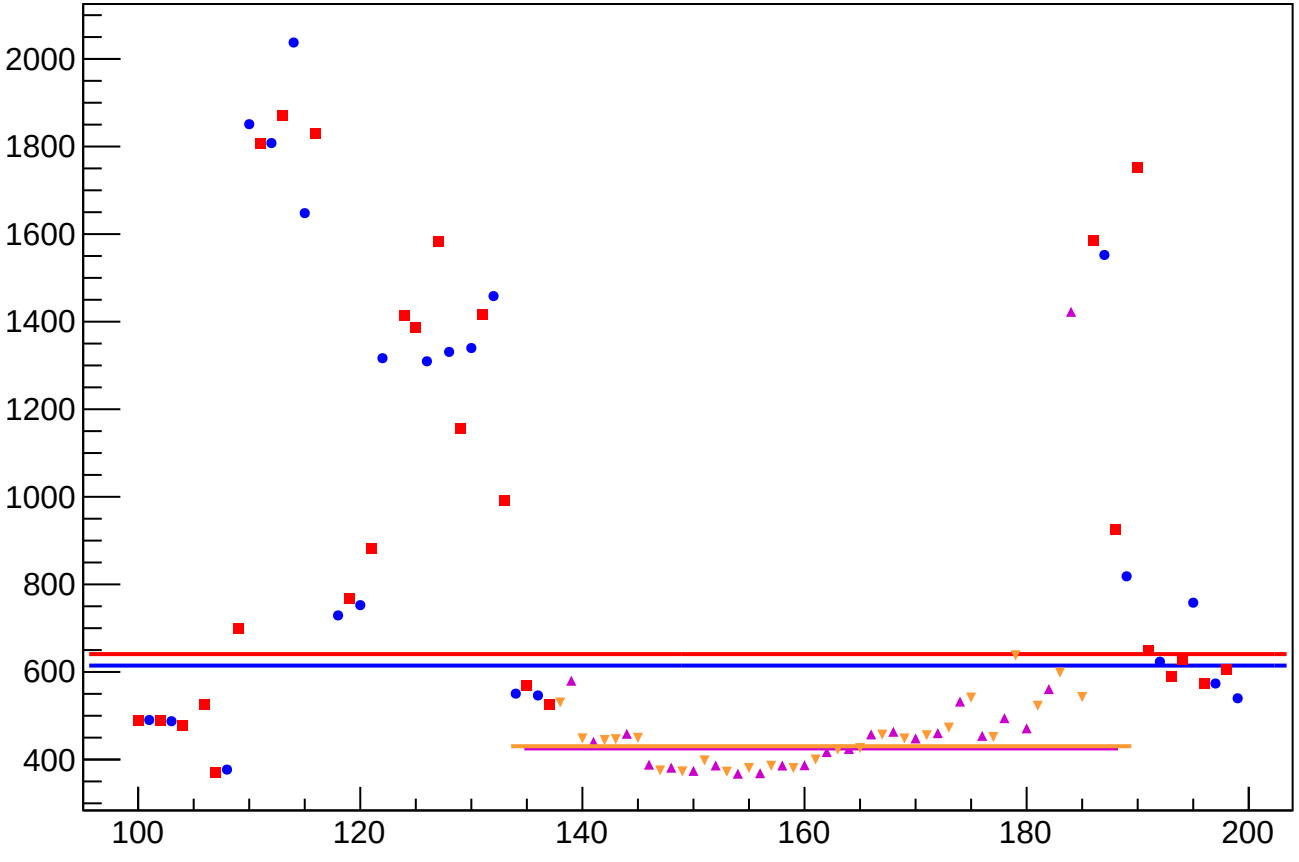
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.298+/-0.089 χ^2/NDF: 58.7/46

All: -0.172+/-0.064 χ^2/NDF: 131.6/96

- sign -0.044+/-0.090 χ^2/NDF: 69.0/49

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 614.565+/-0.140 χ^2/NDF: 3143940.3/21

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

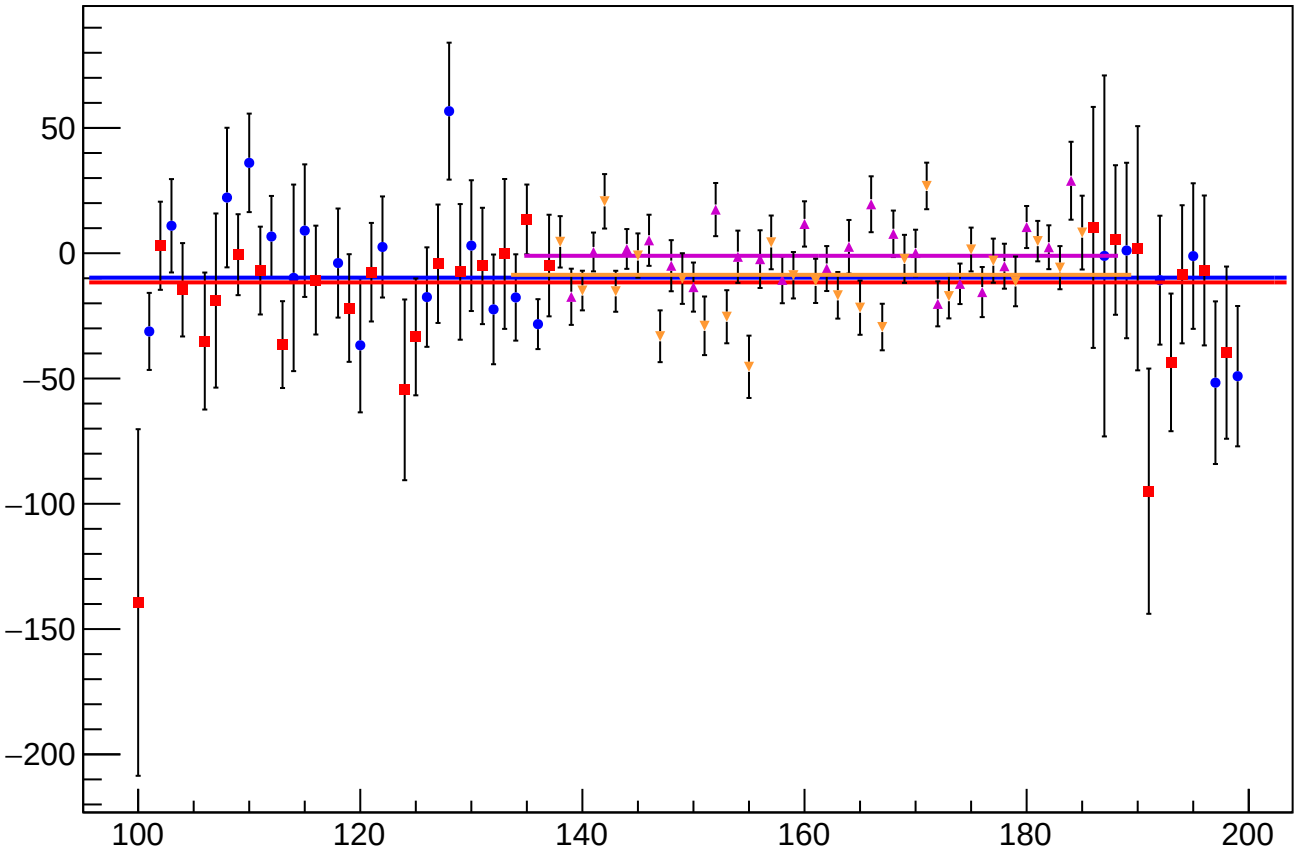
Right Out: 640.782+/-0.140 χ^2/NDF: 3416293.3/26

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 467.982+/-0.063 χ^2/NDF: 5168880.3/46

All: 468.967+/-0.045 χ^2/NDF: 11167791.3/96

- sign 469.976+/-0.064 χ^2/NDF: 5998419.4/49



Right In: -9.748+/-4.485 χ^2/NDF: 27.1/21

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

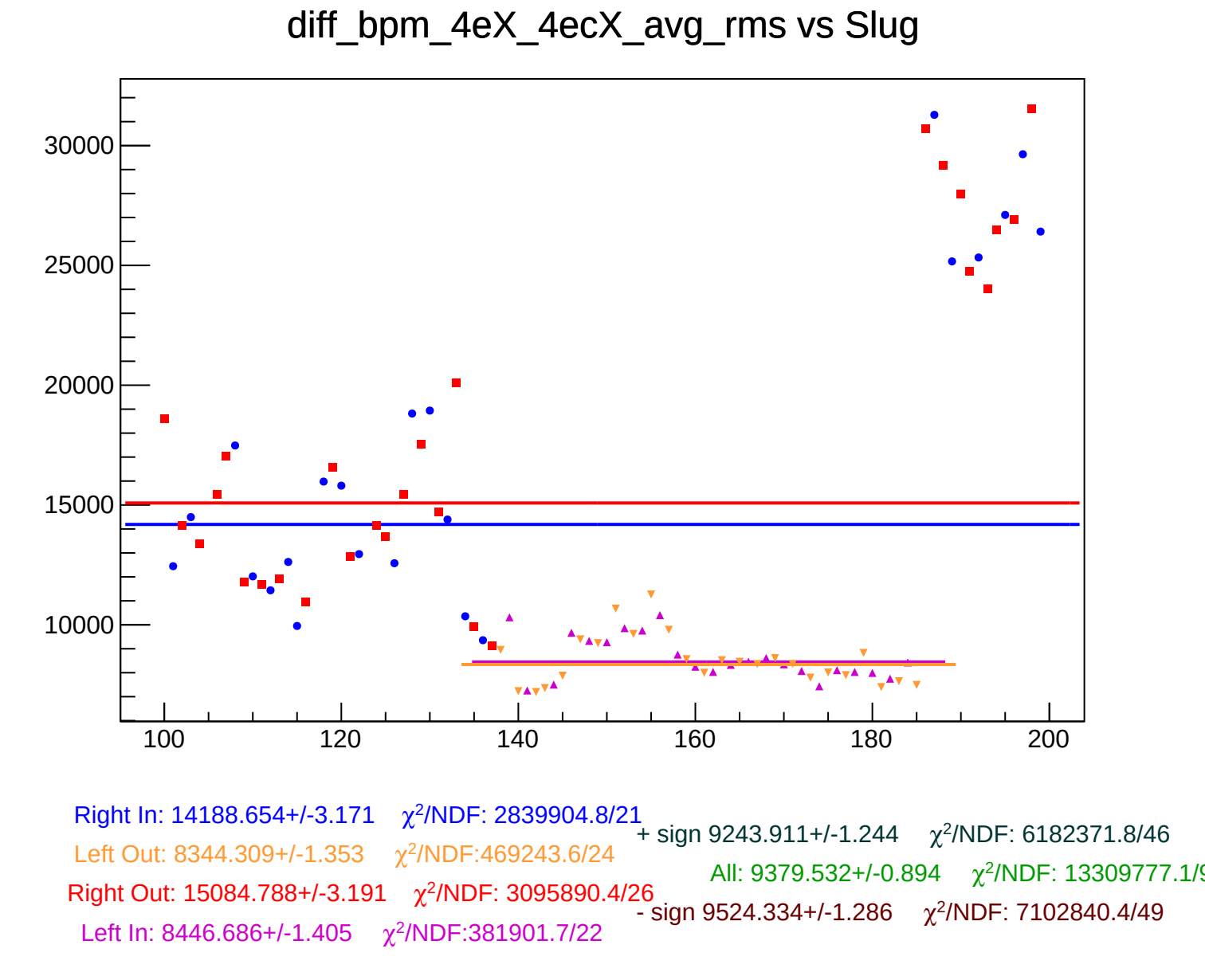
Right Out: -11.642+/-4.513 χ^2/NDF: 19.3/26

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

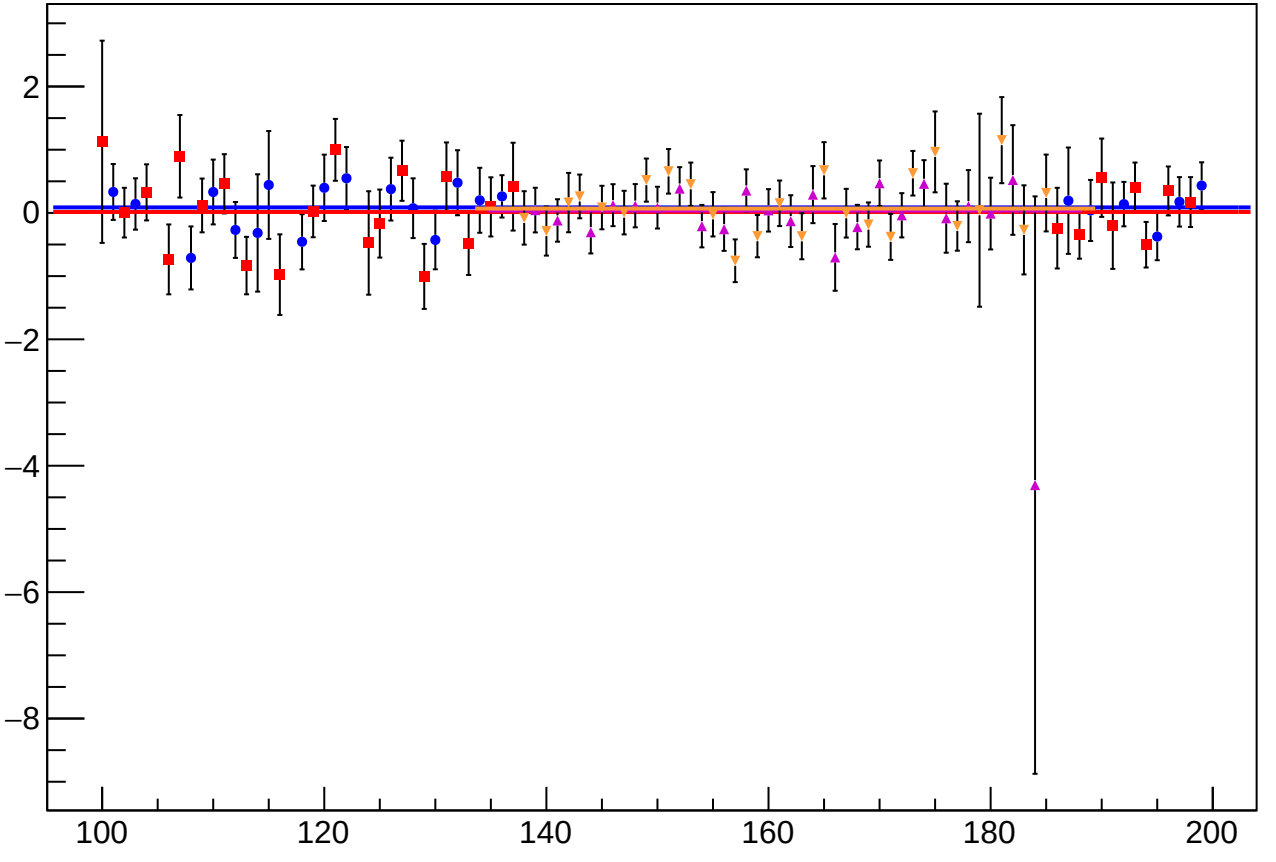
+ sign -8.796+/-1.760 χ^2/NDF: 88.7/46

All: -5.872+/-1.264 χ^2/NDF: 148.2/96

- 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: 14188.654+/-3.171 χ²/NDF: 2839904.8/21
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 9243.911+/-1.244 χ²/NDF: 6182371.8/46
All: 9379.532+/-0.894 χ²/NDF: 13309777.1/9
- sign 9524.334+/-1.286 χ²/NDF: 7102840.4/49

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.087+/-0.098 χ^2/NDF: 11.9/21

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.015+/-0.094 χ^2/NDF: 30.2/26

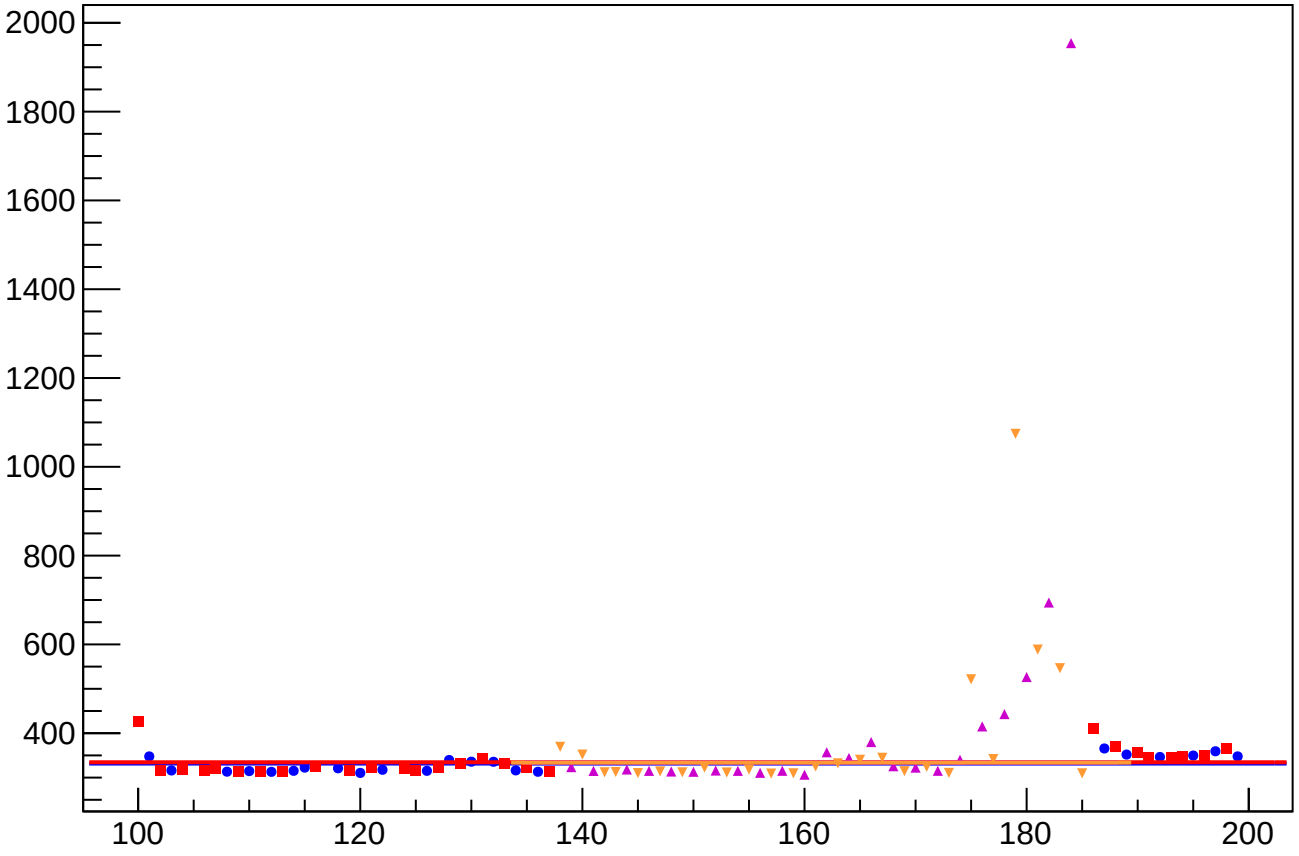
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.076+/-0.062 χ^2/NDF: 40.1/46

All: 0.052+/-0.043 χ^2/NDF: 82.3/96

- sign 0.028+/-0.061 χ^2/NDF: 41.9/49

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 331.610+/-0.069 χ^2/NDF: 60638.9/21

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

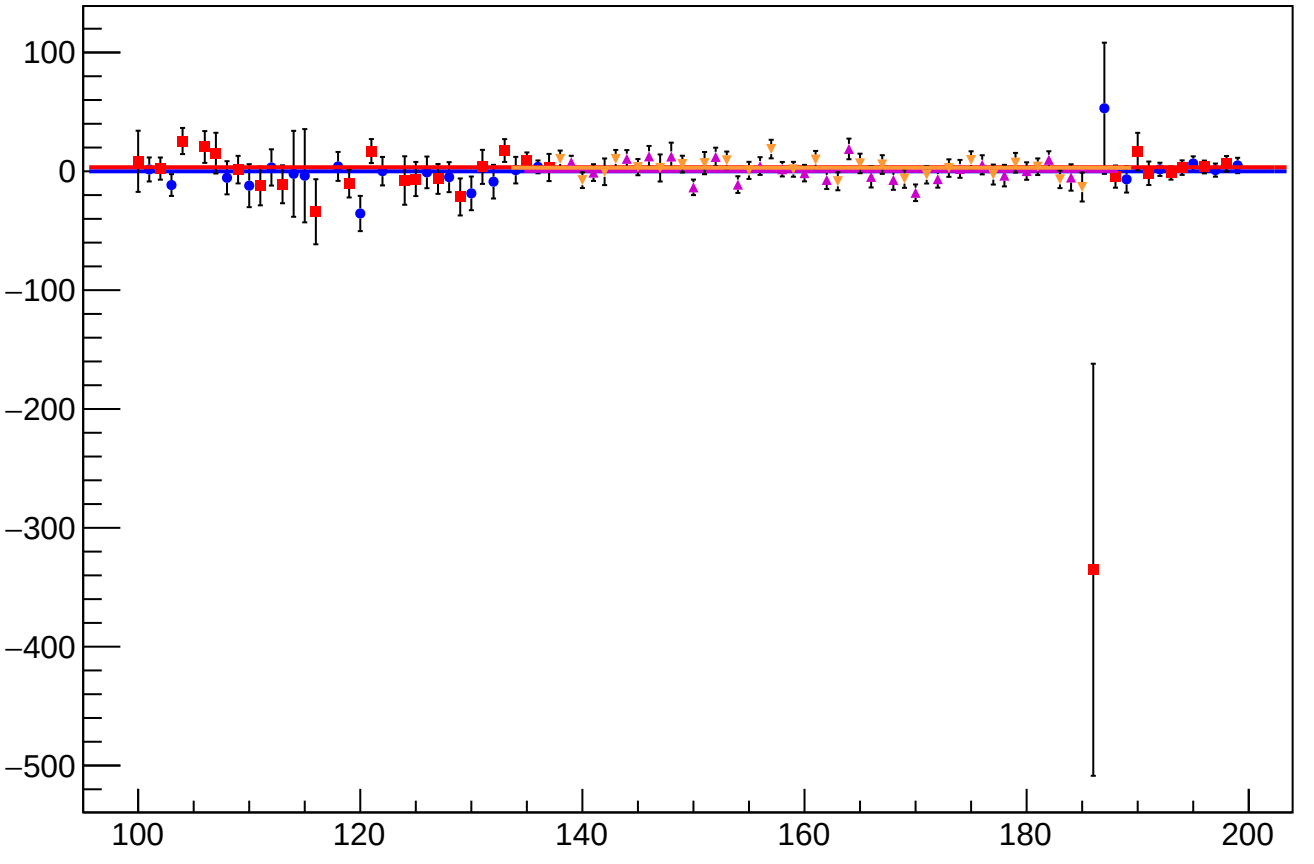
Right Out: 334.553+/-0.066 χ^2/NDF: 110720.8/26

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 332.926+/-0.044 χ^2/NDF: 1278492.1/46

All: 333.578+/-0.031 χ^2/NDF: 2440687.0/96

- sign 334.224+/-0.043 χ^2/NDF: 1161748.0/49



Right In: 0.002+/-2.030 χ^2/NDF: 14.0/21

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

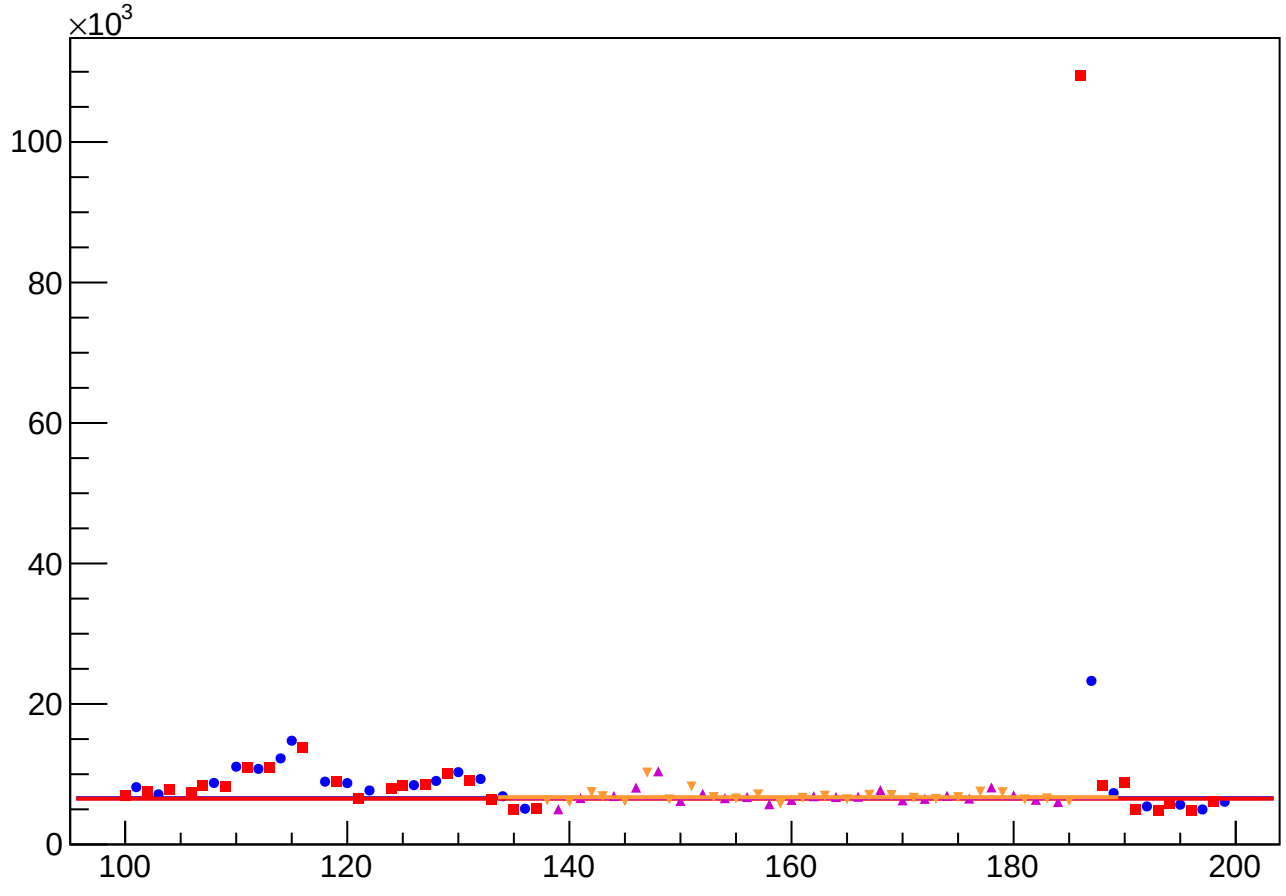
Right Out: 3.445+/-1.934 χ^2/NDF: 26.1/26

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.918+/-1.228 χ^2/NDF: 35.7/46

All: 1.747+/-0.865 χ^2/NDF: 97.2/96

- sign 1.578+/-1.218 χ^2/NDF: 61.5/49



Right In: 6585.594+/-1.435 χ^2/NDF: 1636043.5/21

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6517.437+/-1.368 χ^2/NDF: 2329590.7/26

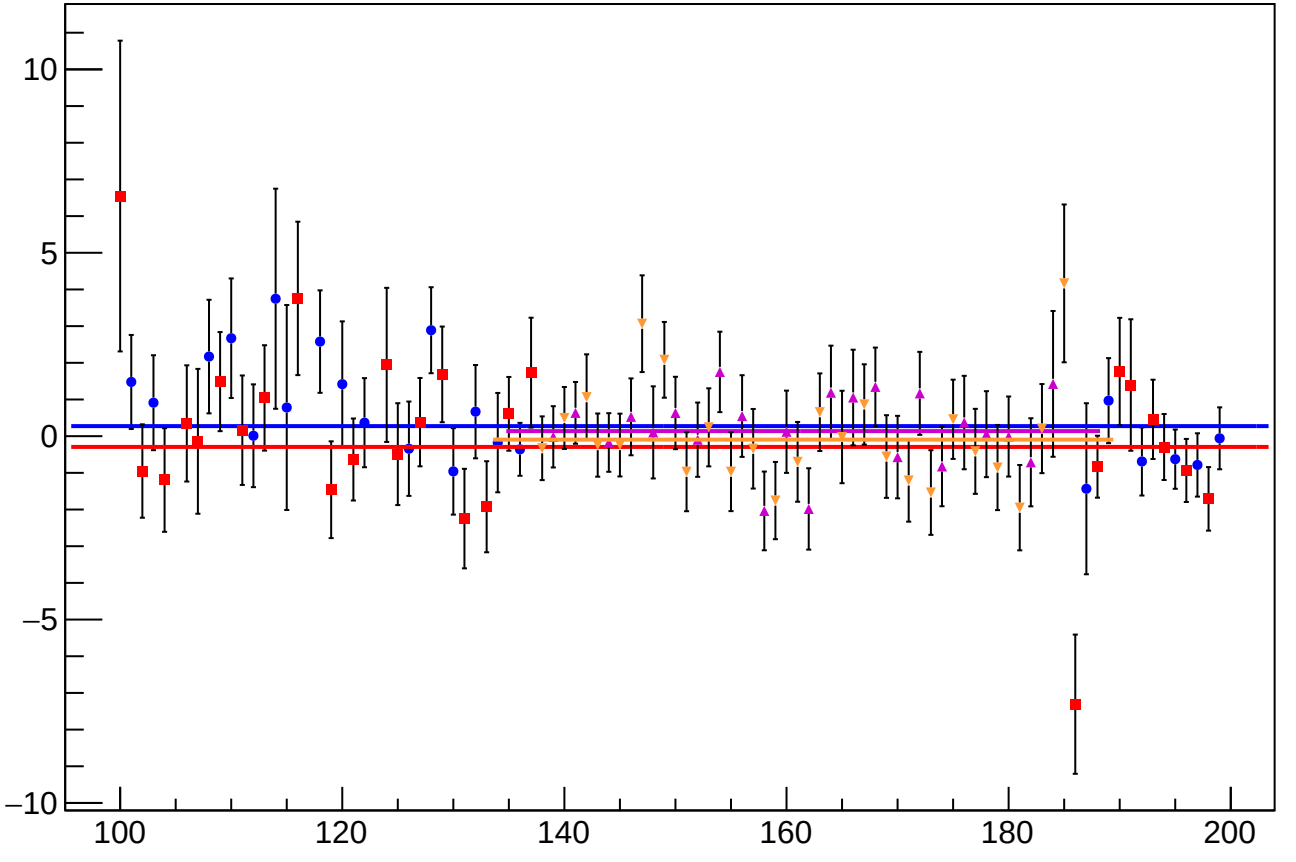
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6672.726+/-0.868 χ^2/NDF: 2045171.9/46

All: 6629.532+/-0.611 χ^2/NDF: 5013453.0/96

- sign 6587.000+/-0.861 χ^2/NDF: 2963367.7/49

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.274+/-0.252 χ^2/NDF: 21.5/21

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.293+/-0.244 χ^2/NDF: 41.6/26

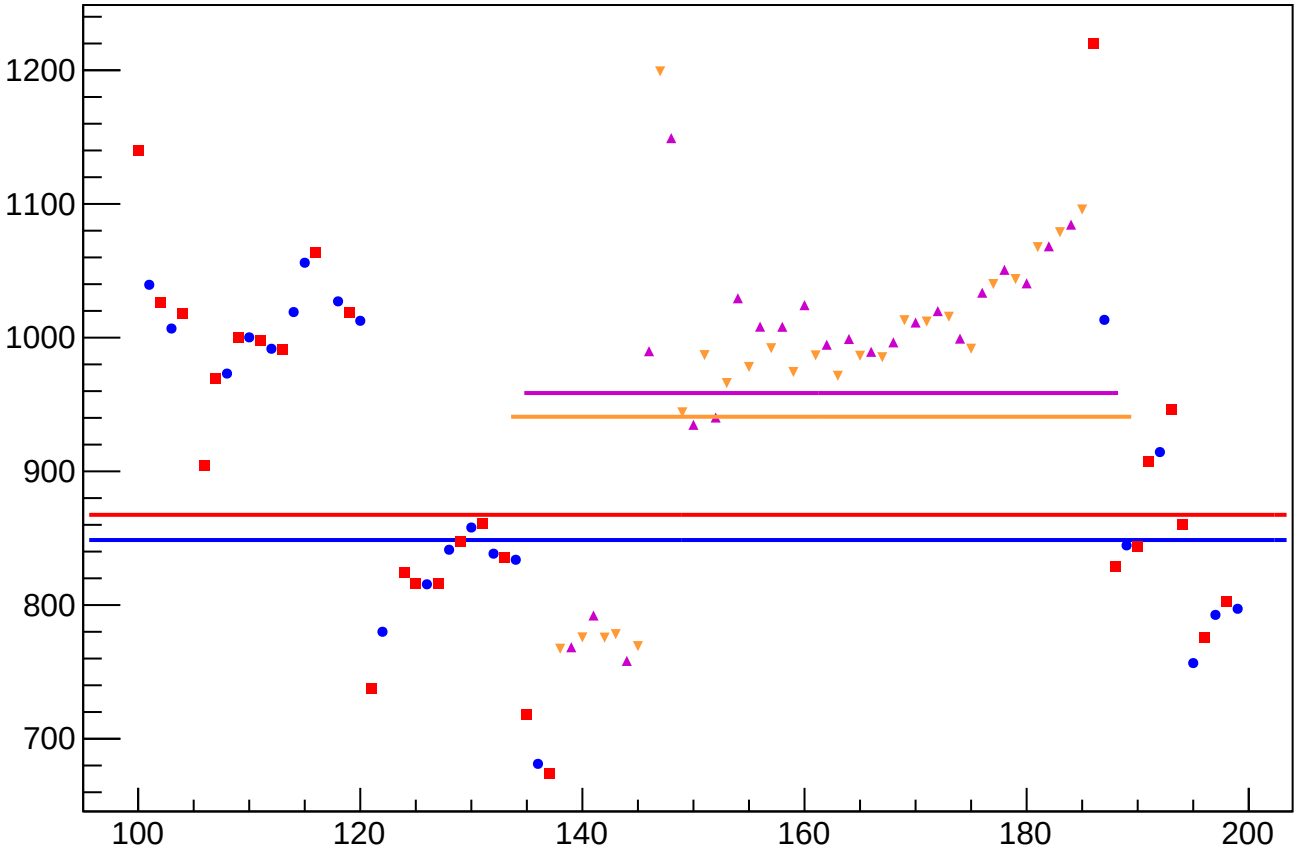
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.061+/-0.164 χ^2/NDF: 50.1/46

All: 0.001+/-0.116 χ^2/NDF: 110.1/96

- sign -0.060+/-0.166 χ^2/NDF: 59.8/49

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 848.639+/-0.178 χ^2/NDF: 371503.9/21

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 867.490+/-0.173 χ^2/NDF: 394501.9/26

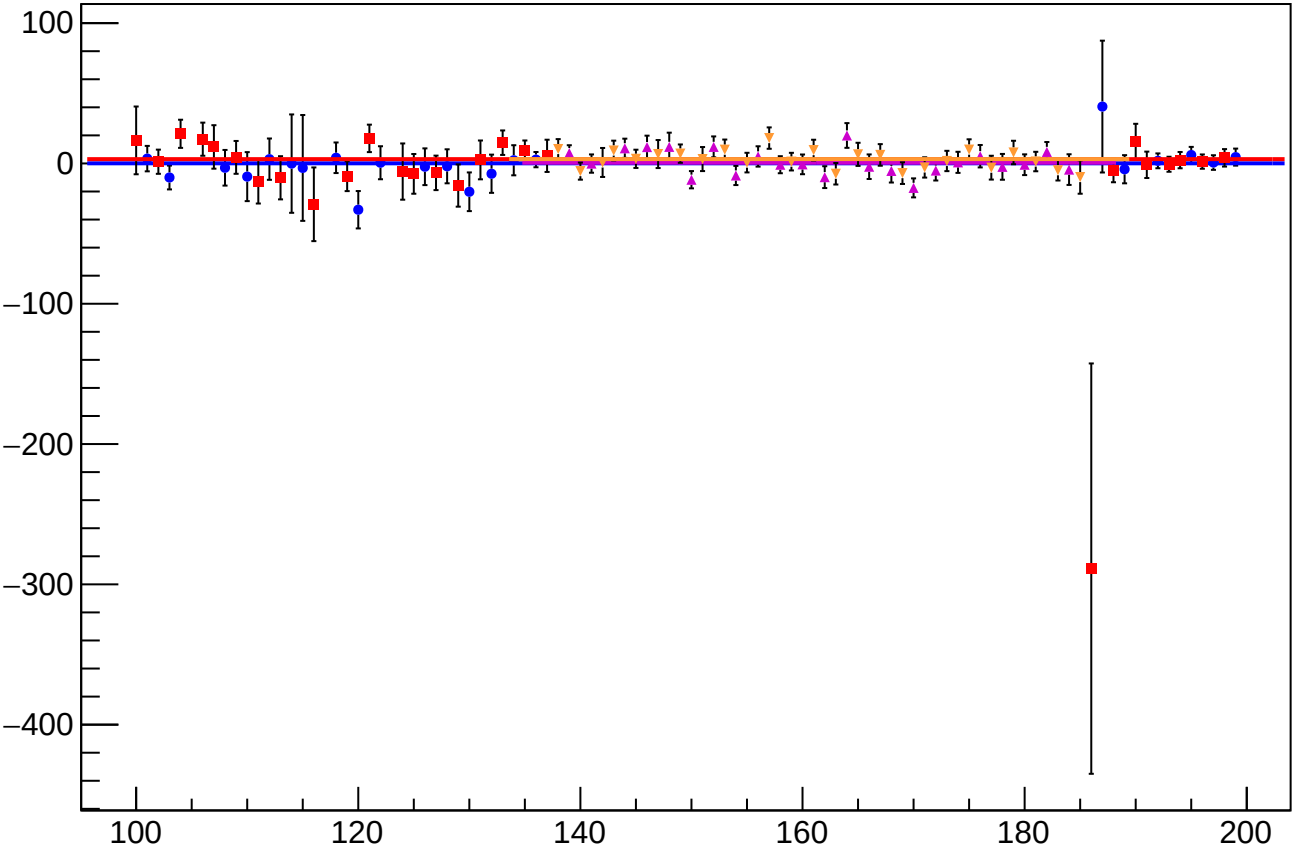
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

\+ sign 901.875+/-0.116 χ^2/NDF: 1095202.6/46

All: 909.177+/-0.082 χ^2/NDF: 2105011.2/96

\- sign 916.650+/-0.117 χ^2/NDF: 1001751.6/49

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 0.092+/-1.929 χ^2/NDF: 13.7/21

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 3.067+/-1.830 χ^2/NDF: 24.5/26

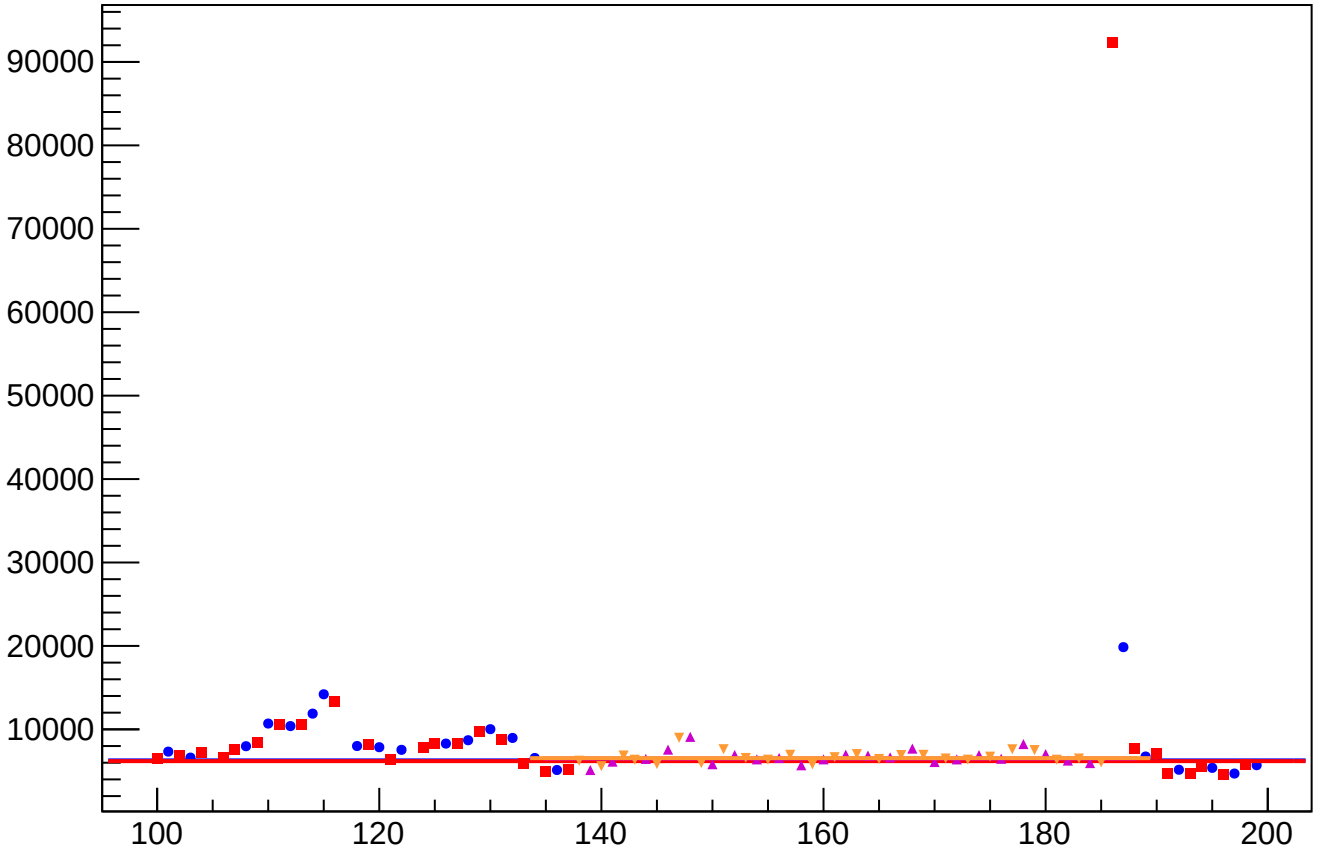
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

\+ sign 1.966+/-1.184 χ^2/NDF: 33.8/46

All: 1.767+/-0.834 χ^2/NDF: 91.5/96

\- sign 1.571+/-1.176 χ^2/NDF: 57.7/49

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6279.404+/-1.364 χ^2/NDF: 1544272.7/21

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6189.347+/-1.294 χ^2/NDF: 2259758.8/26

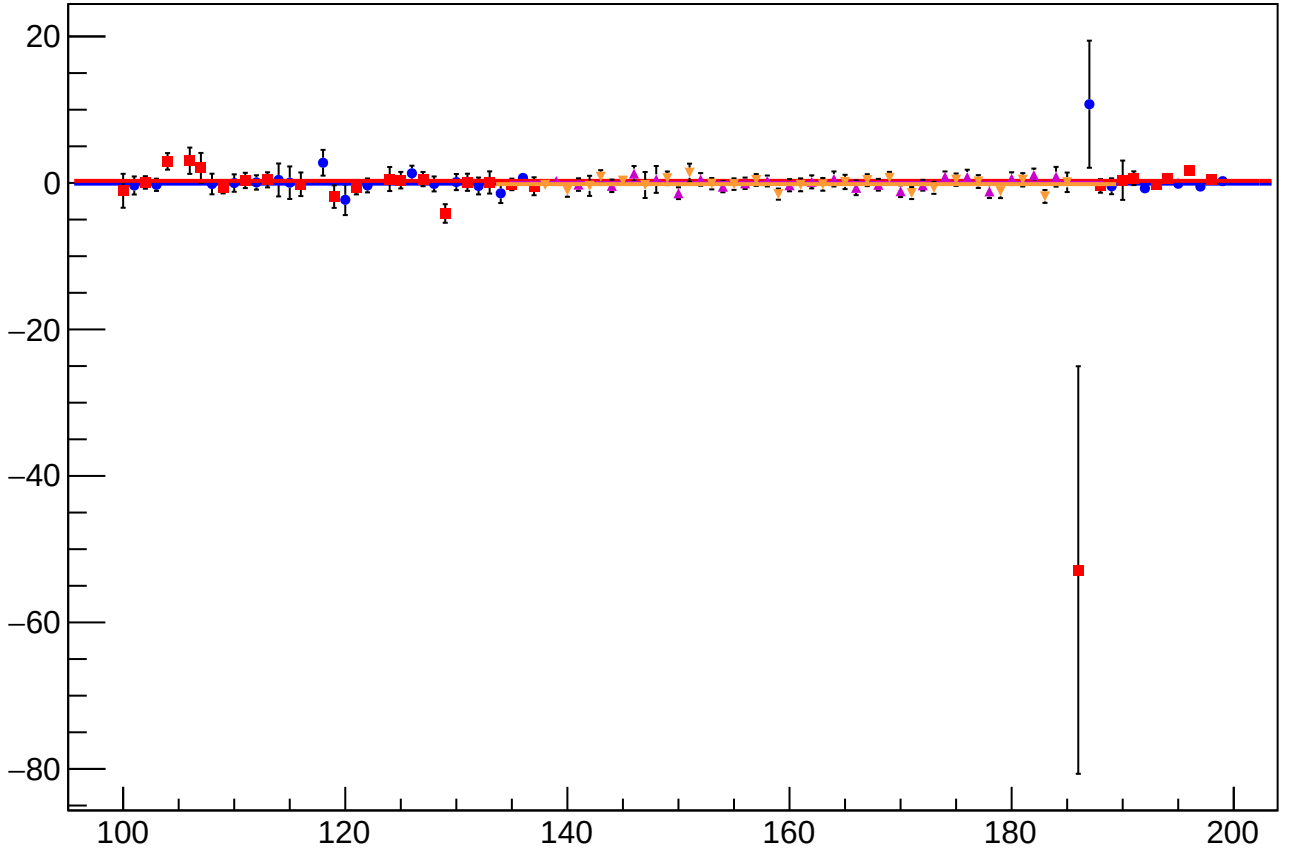
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6447.309+/-0.837 χ^2/NDF: 1934673.1/46

All: 6410.723+/-0.590 χ^2/NDF: 4748674.2/96

- sign 6374.647+/-0.831 χ^2/NDF: 2810209.5/49

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.093+/-0.192 χ^2/NDF: 12.6/21

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.283+/-0.184 χ^2/NDF: 37.7/26

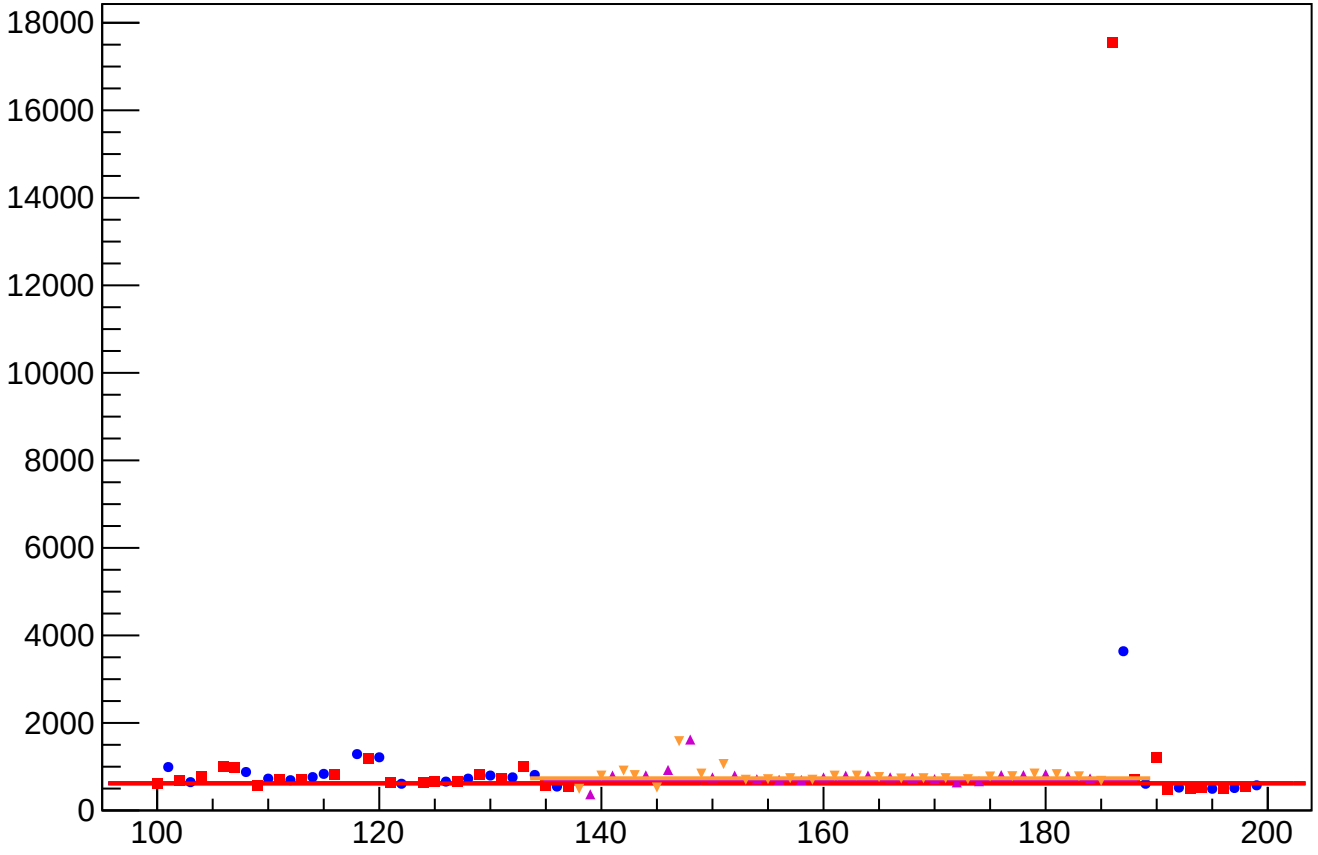
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.131+/-0.128 χ^2/NDF: 31.7/46

All: 0.007+/-0.089 χ^2/NDF: 88.0/96

- sign 0.139+/-0.125 χ^2/NDF: 54.1/49

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 621.769+/-0.136 χ^2/NDF: 1435185.6/21

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 616.644+/-0.130 χ^2/NDF: 1935812.1/26

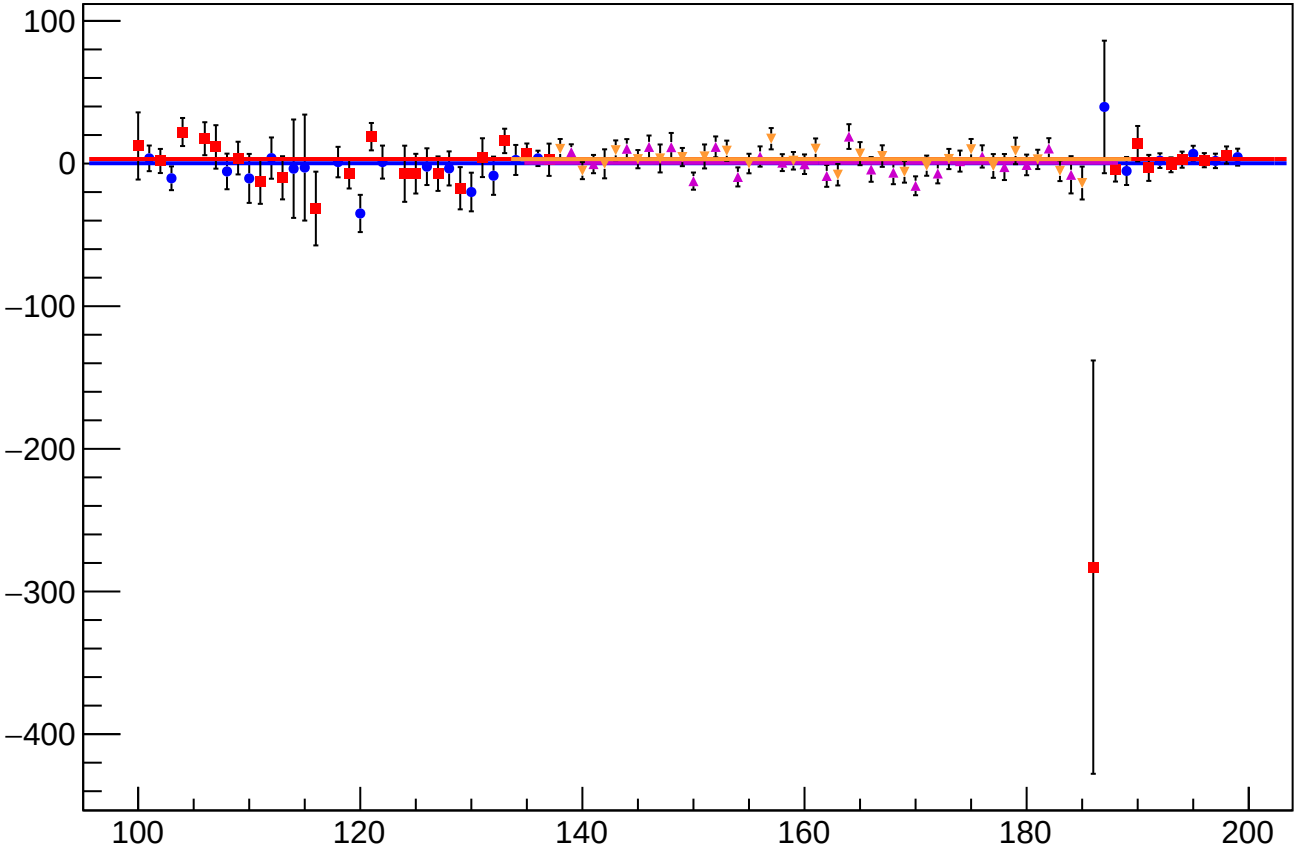
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 684.551+/-0.091 χ^2/NDF: 3160404.5/46

All: 671.292+/-0.063 χ^2/NDF: 7554893.9/96

- sign 658.756+/-0.088 χ^2/NDF: 4352848.5/49

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 0.214+/-1.890 χ^2/NDF: 16.1/21

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 3.186+/-1.792 χ^2/NDF: 25.7/26

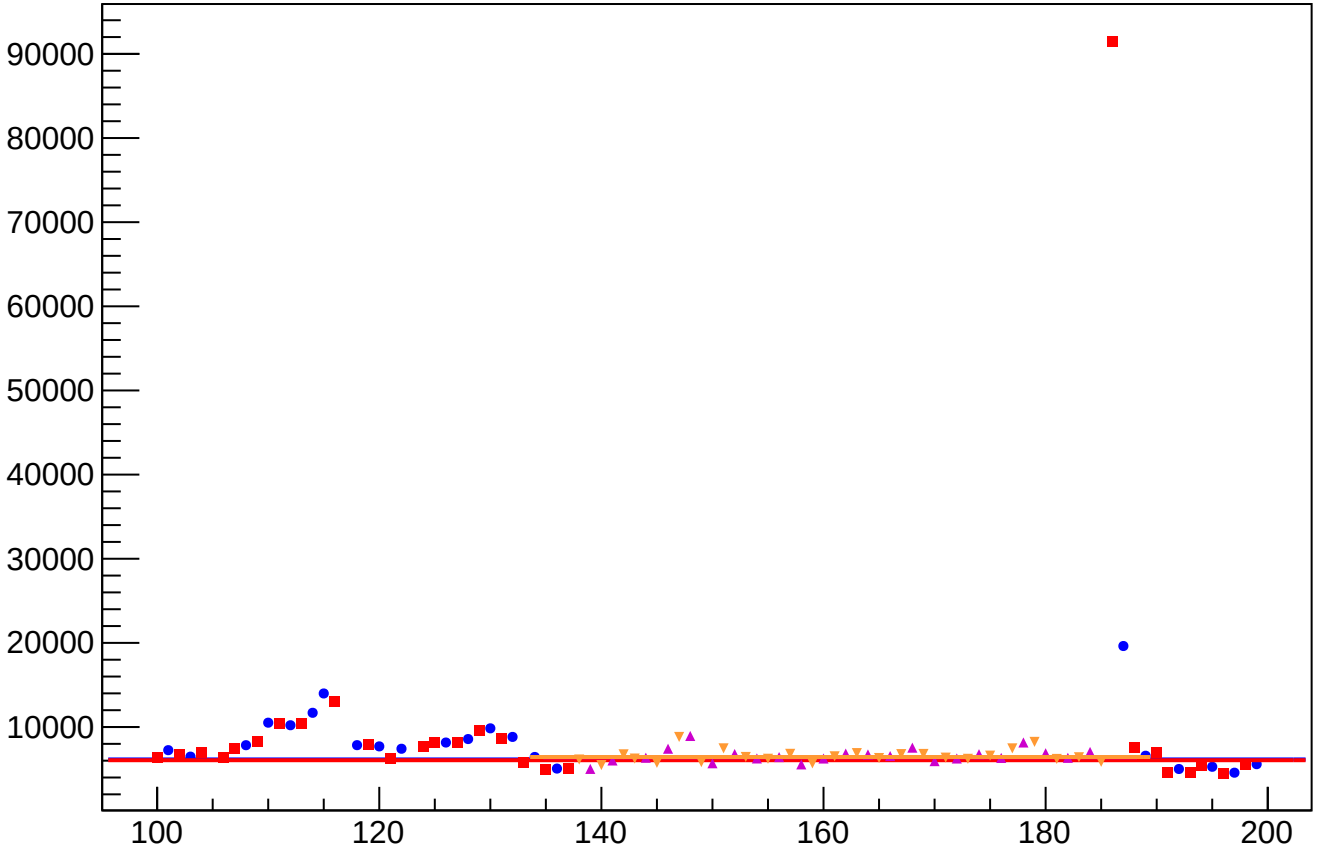
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.014+/-1.164 χ^2/NDF: 36.2/46

All: 1.829+/-0.820 χ^2/NDF: 96.9/96

- sign 1.647+/-1.156 χ^2/NDF: 60.6/49

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6147.924+/-1.337 χ^2/NDF: 1572714.5/21

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6056.050+/-1.267 χ^2/NDF: 2281157.6/26

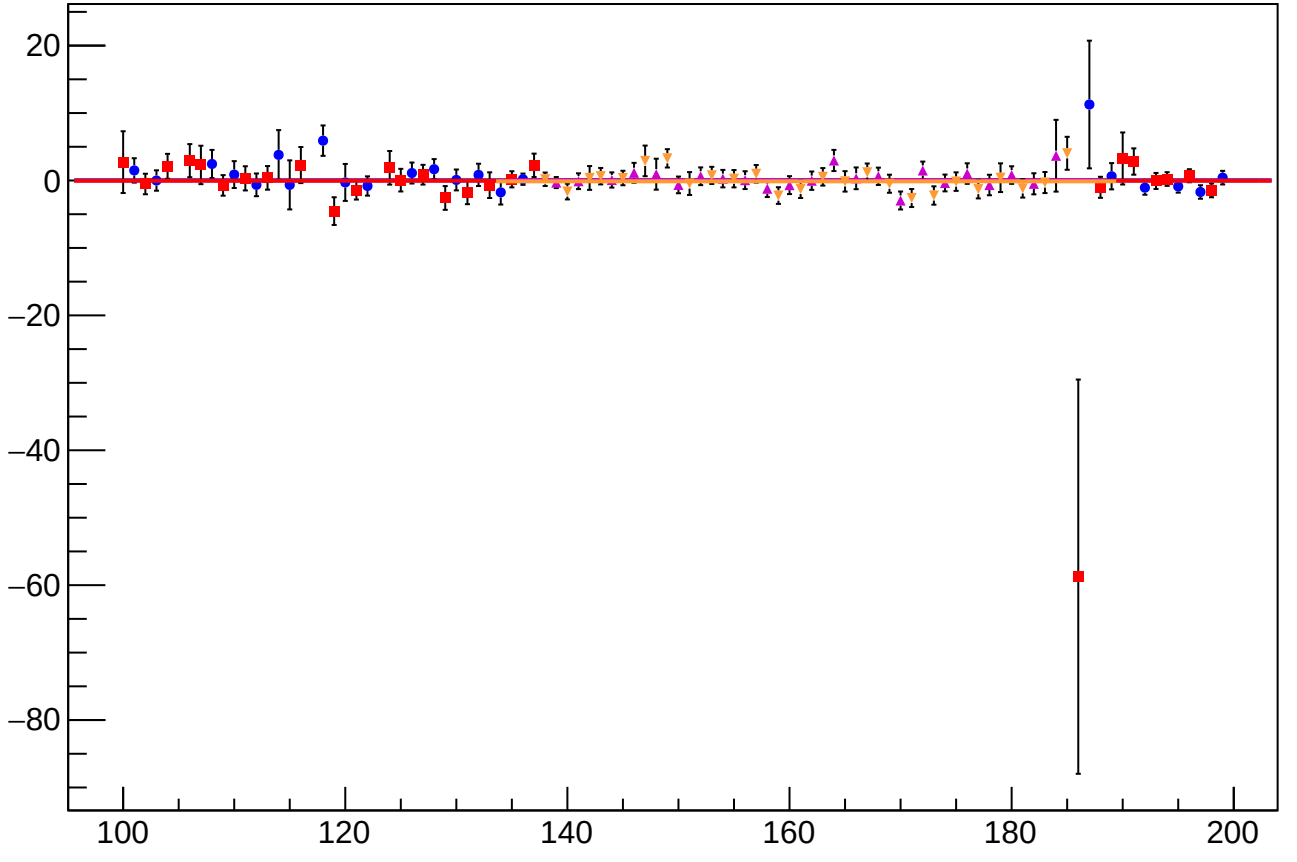
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6326.482+/-0.823 χ^2/NDF: 2018755.5/46

All: 6293.014+/-0.580 χ^2/NDF: 4872622.9/96

- sign 6259.986+/-0.817 χ^2/NDF: 2850579.6/49

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.022+/-0.312 χ^2/NDF: 20.2/21

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.035+/-0.310 χ^2/NDF: 26.7/26

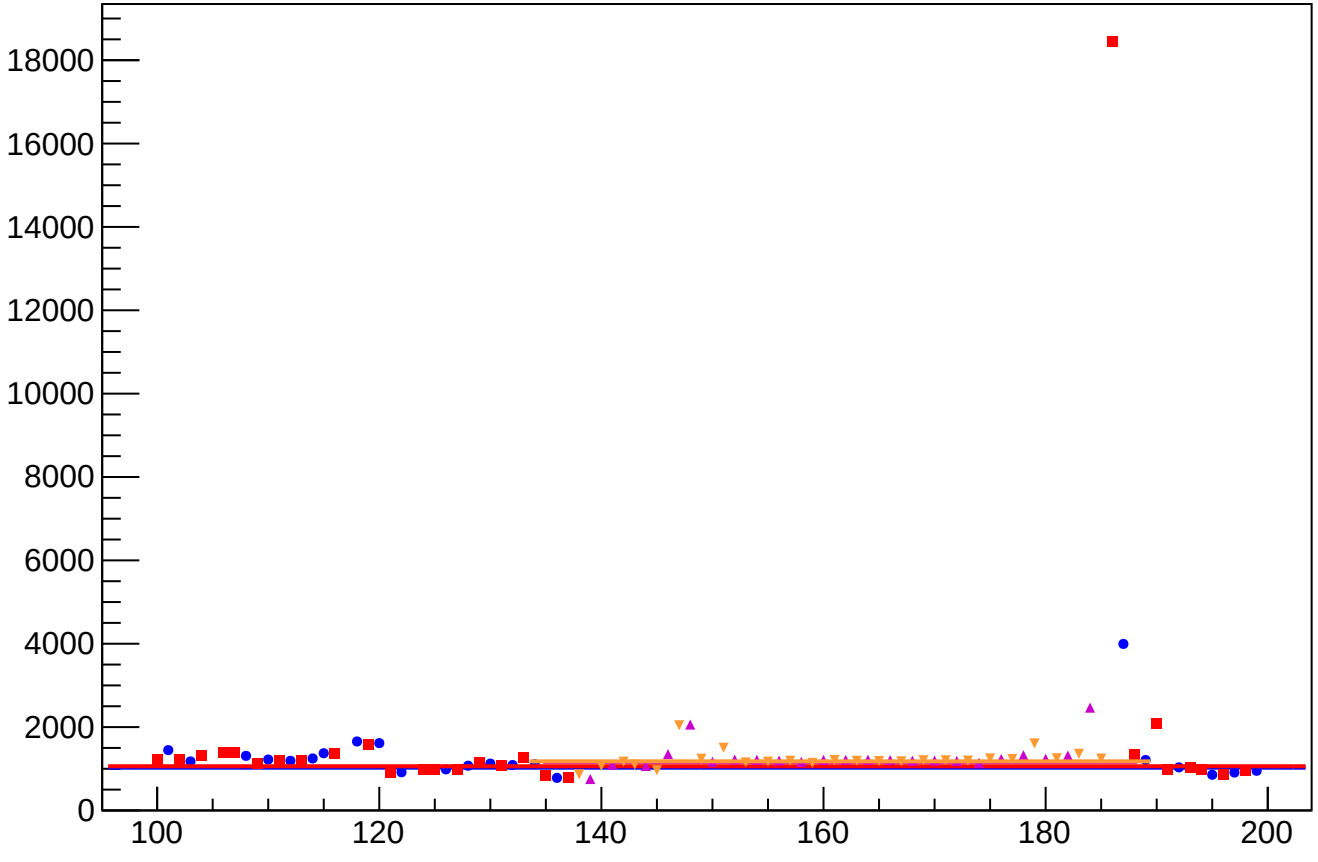
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.059+/-0.206 χ^2/NDF: 47.3/46

All: -0.030+/-0.146 χ^2/NDF: 88.6/96

- sign 0.001+/-0.207 χ^2/NDF: 41.2/49

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1026.216+/-0.221 χ^2/NDF: 998557.7/21

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

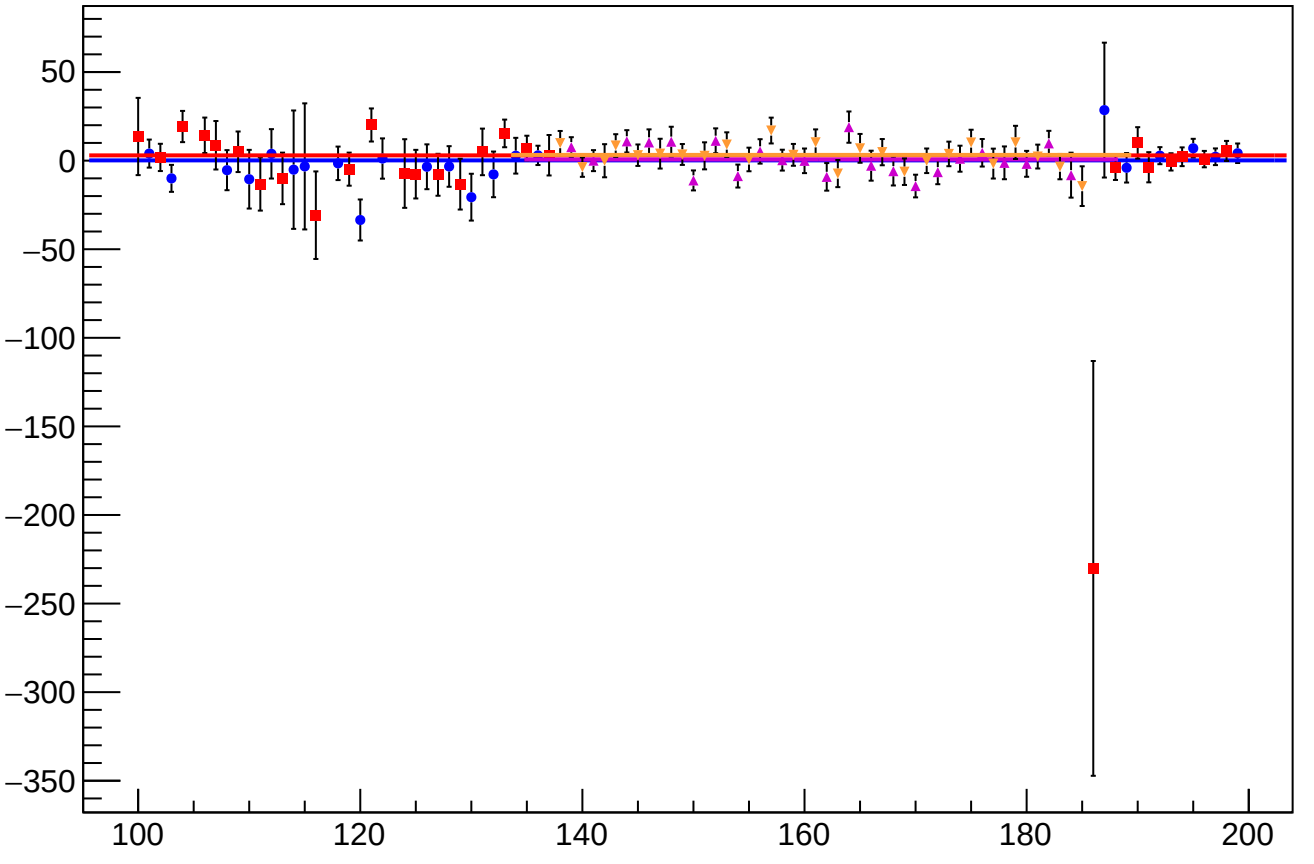
Right Out: 1060.567+/-0.219 χ^2/NDF: 1533677.9/26

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1111.928+/-0.145 χ^2/NDF: 2066339.3/46

All: 1114.770+/-0.103 χ^2/NDF: 4775866.3/96

- sign 1117.655+/-0.146 χ^2/NDF: 2708756.9/49



Right In: 0.146+/-1.772 χ^2/NDF: 18.1/21

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 2.971+/-1.666 χ^2/NDF: 26.0/26

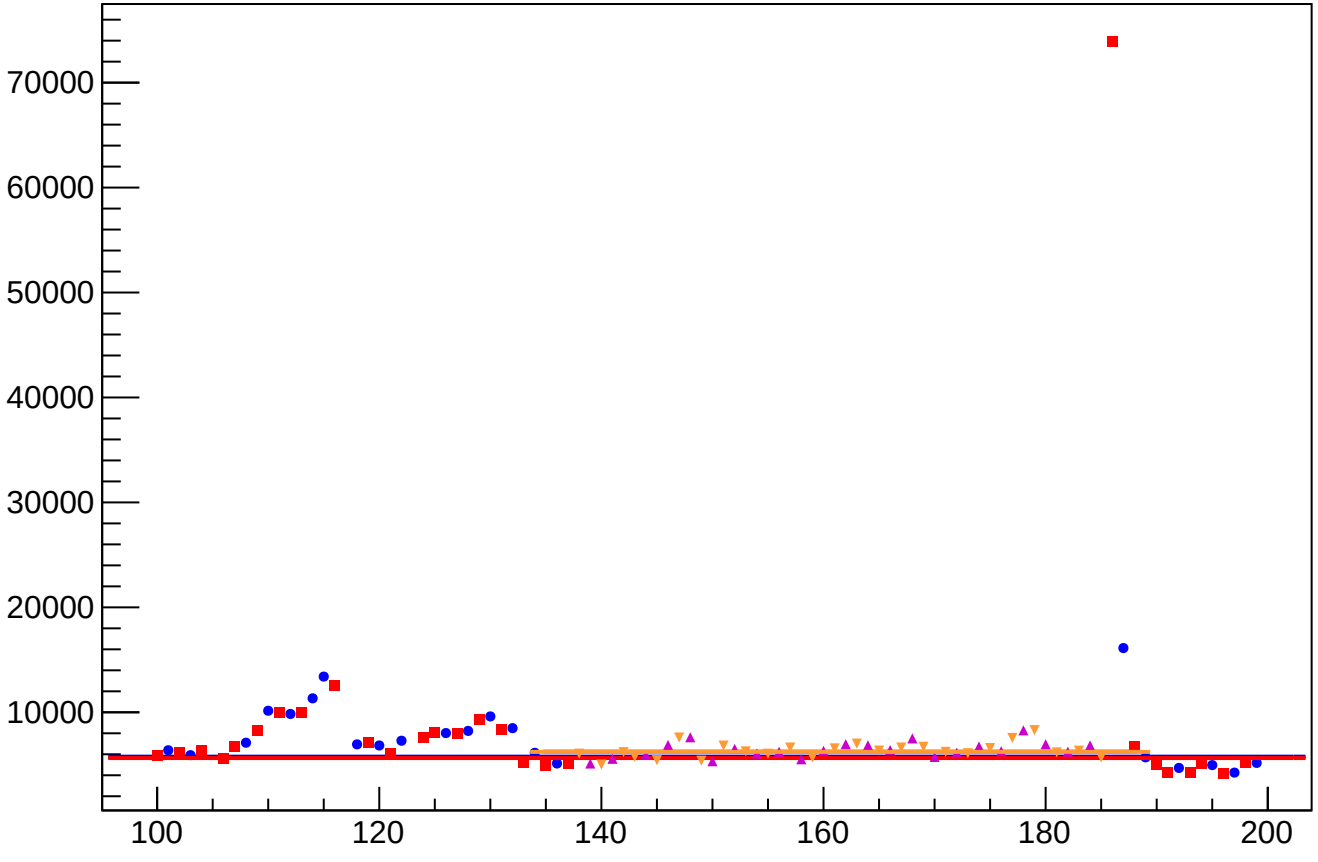
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.016+/-1.113 χ^2/NDF: 37.8/46

All: 1.846+/-0.784 χ^2/NDF: 97.3/96

- sign 1.678+/-1.104 χ^2/NDF: 59.5/49

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5771.128+/-1.253 χ^2/NDF: 1548680.3/21

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5639.679+/-1.178 χ^2/NDF: 2298822.5/26

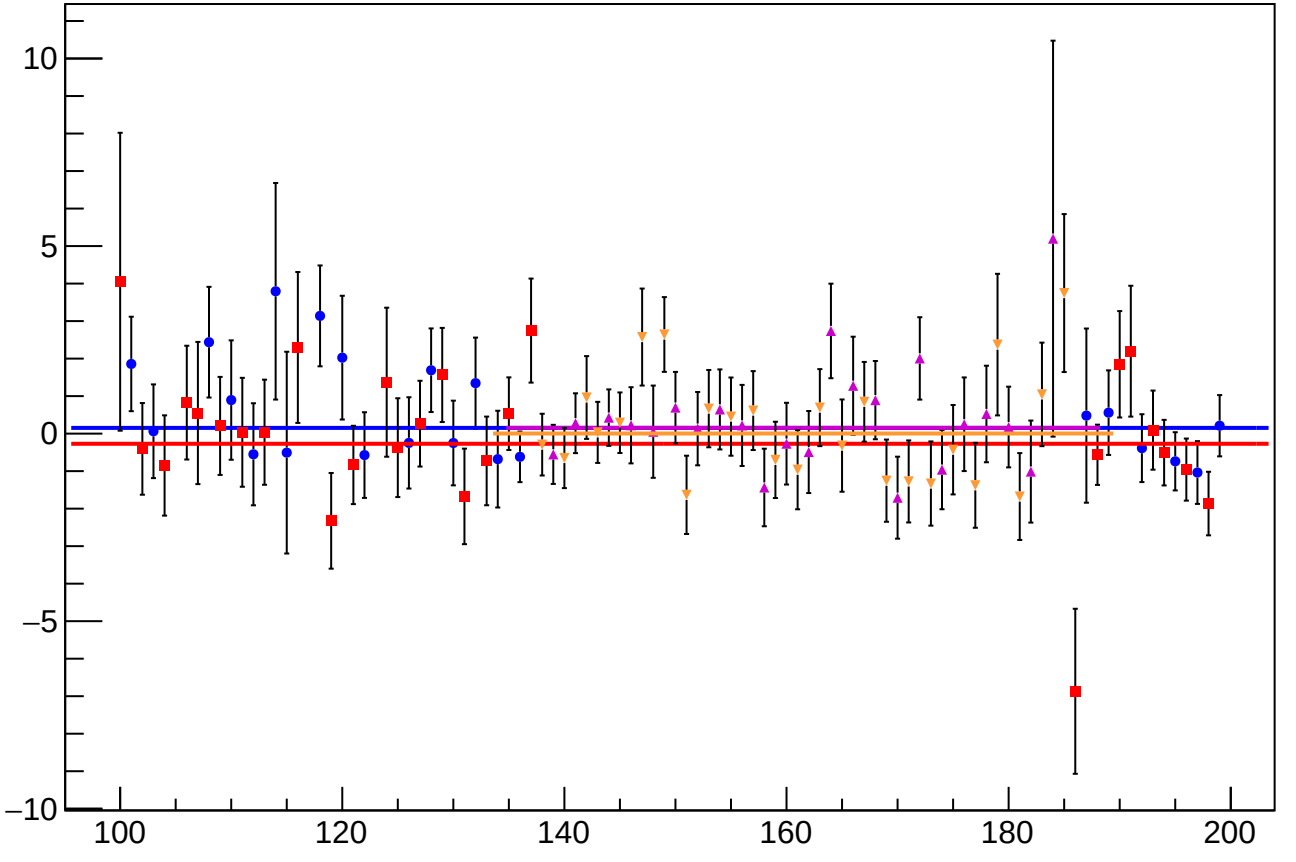
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6048.241+/-0.787 χ^2/NDF: 2100309.4/46

All: 6013.976+/-0.554 χ^2/NDF: 5036908.0/96

- sign 5980.252+/-0.780 χ^2/NDF: 2932834.4/49

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.153+/-0.242 χ^2/NDF: 21.7/21

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.271+/-0.235 χ^2/NDF: 34.5/26

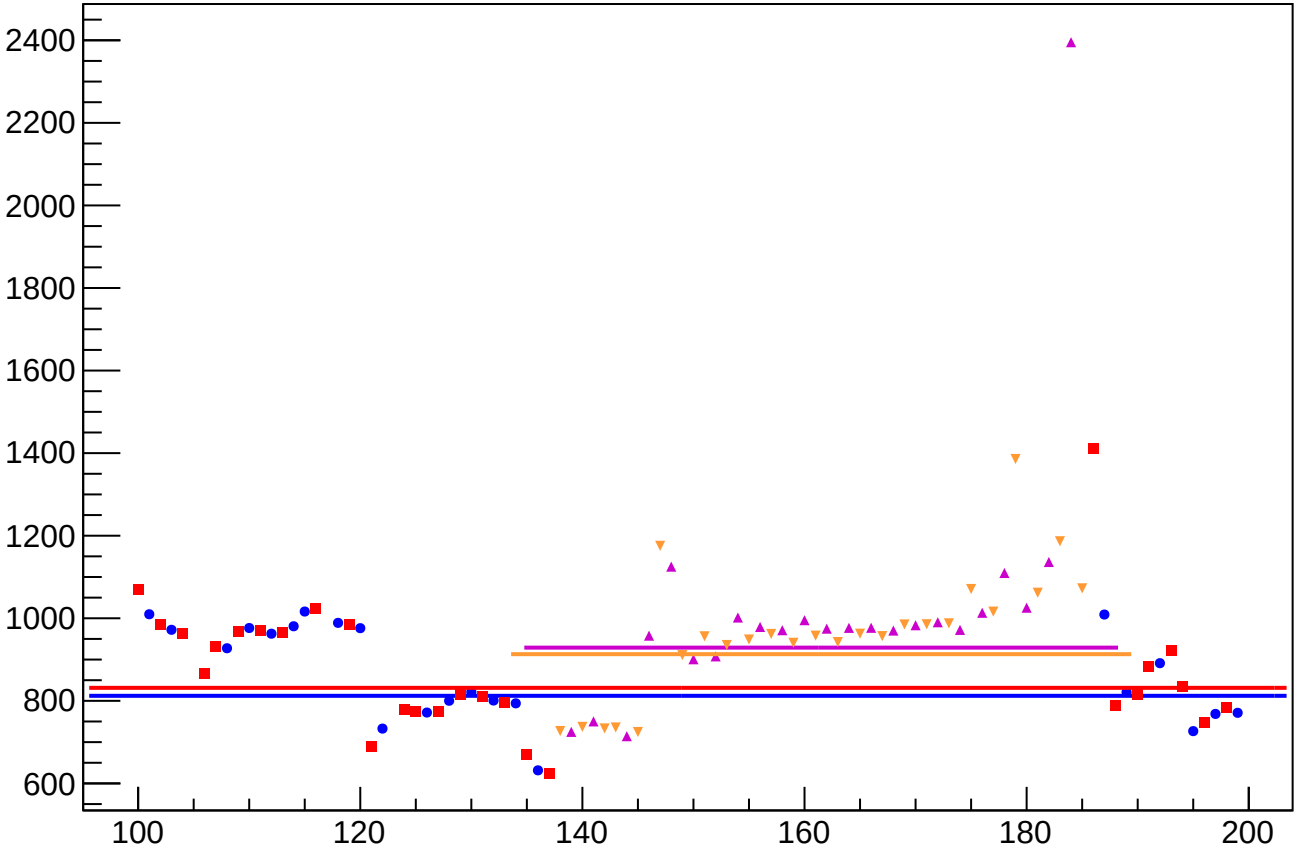
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.068+/-0.159 χ^2/NDF: 53.5/46

All: 0.012+/-0.113 χ^2/NDF: 108.4/96

- sign -0.046+/-0.161 χ^2/NDF: 54.6/49

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 812.205+/-0.171 χ^2/NDF: 433225.4/21

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

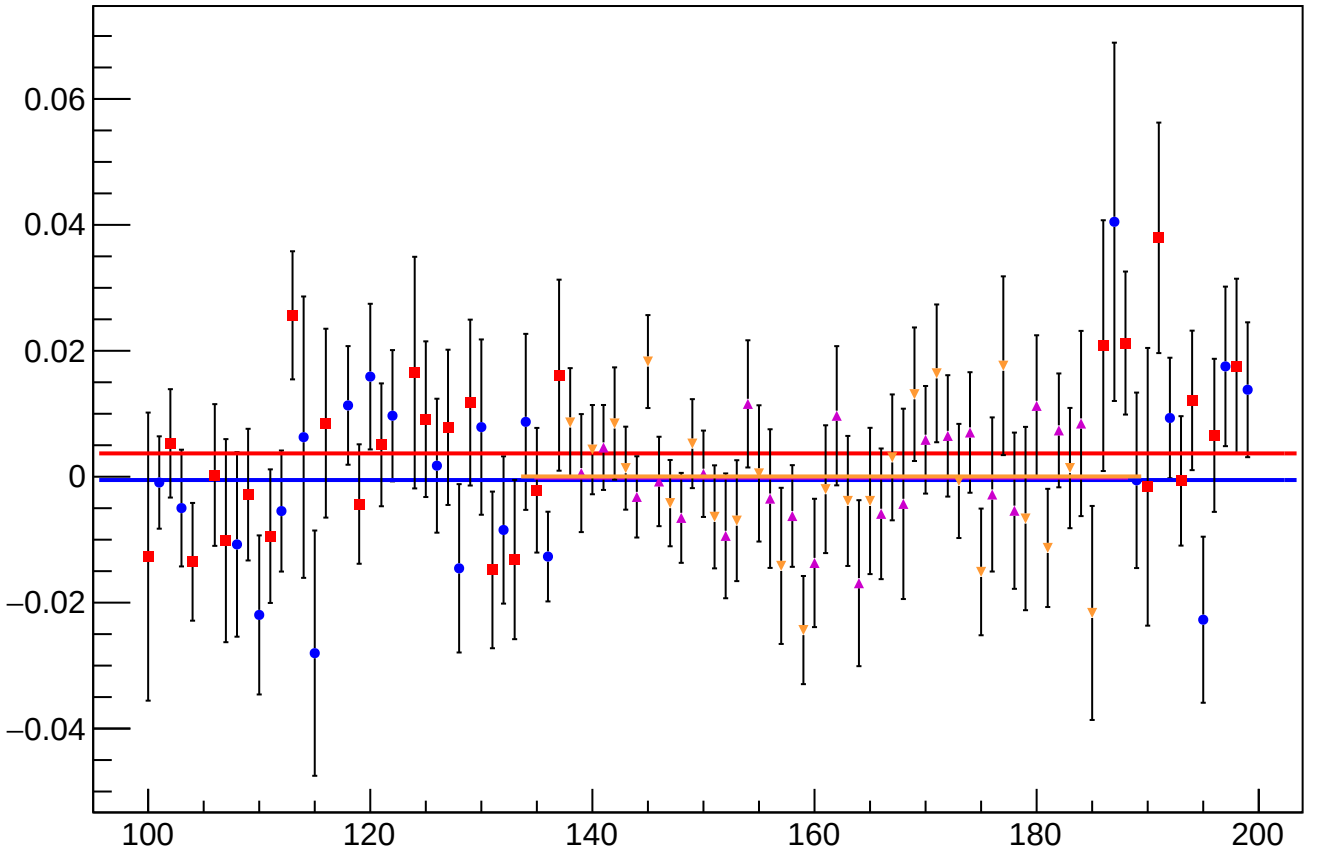
Right Out: 831.512+/-0.166 χ^2/NDF: 508954.3/26

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 869.202+/-0.113 χ^2/NDF: 1519470.6/46

All: 876.095+/-0.080 χ^2/NDF: 2987550.4/96

- sign 883.129+/-0.114 χ^2/NDF: 1460515.2/49



Right In: -0.001+/-0.002 χ^2/NDF: 25.6/21

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.004+/-0.002 χ^2/NDF: 26.8/26

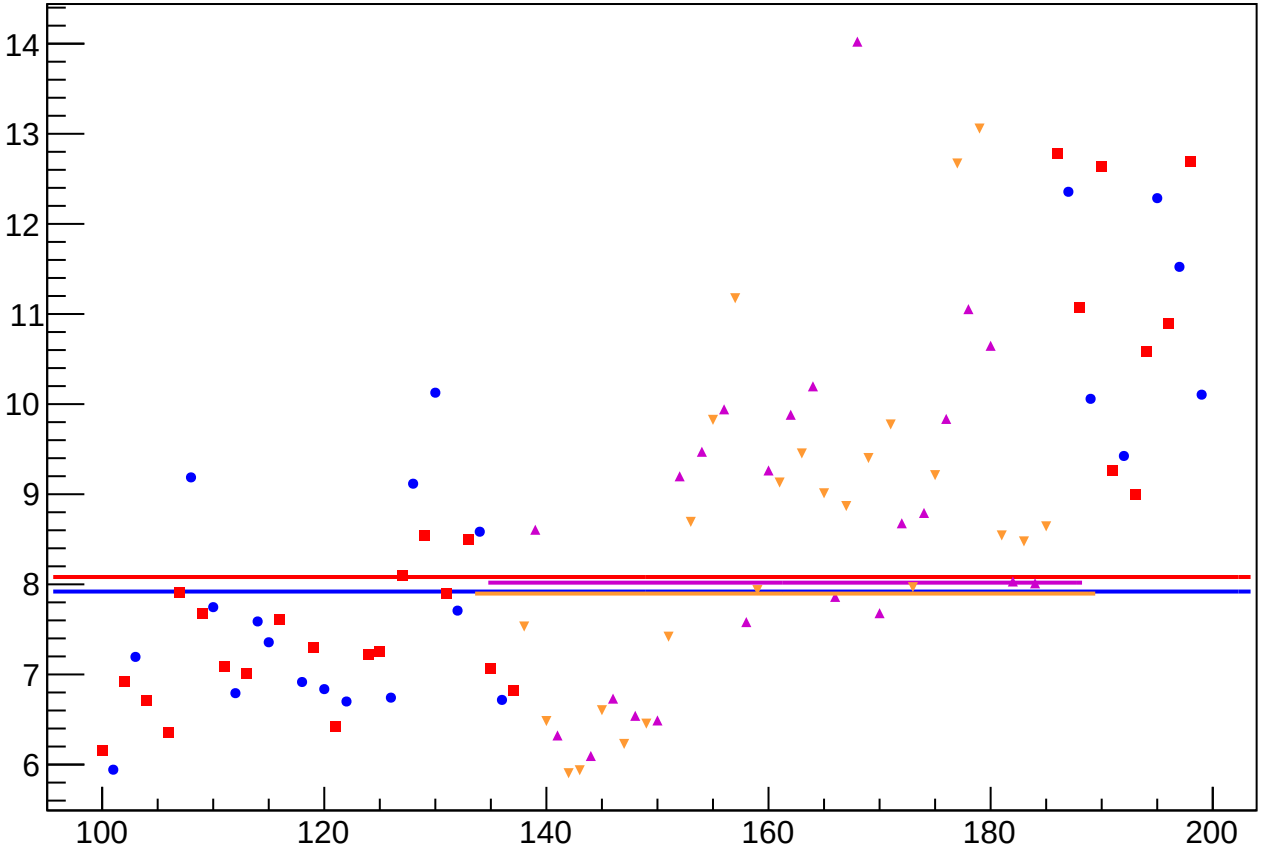
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.000+/-0.001 χ^2/NDF: 56.8/46

All: 0.001+/-0.001 χ^2/NDF: 98.6/96

- sign 0.001+/-0.001 χ^2/NDF: 41.3/49

diff_dispE_bpm12X_rms vs Slug



Right In: 7.920+/-0.002 χ^2/NDF: 1032271.3/21

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

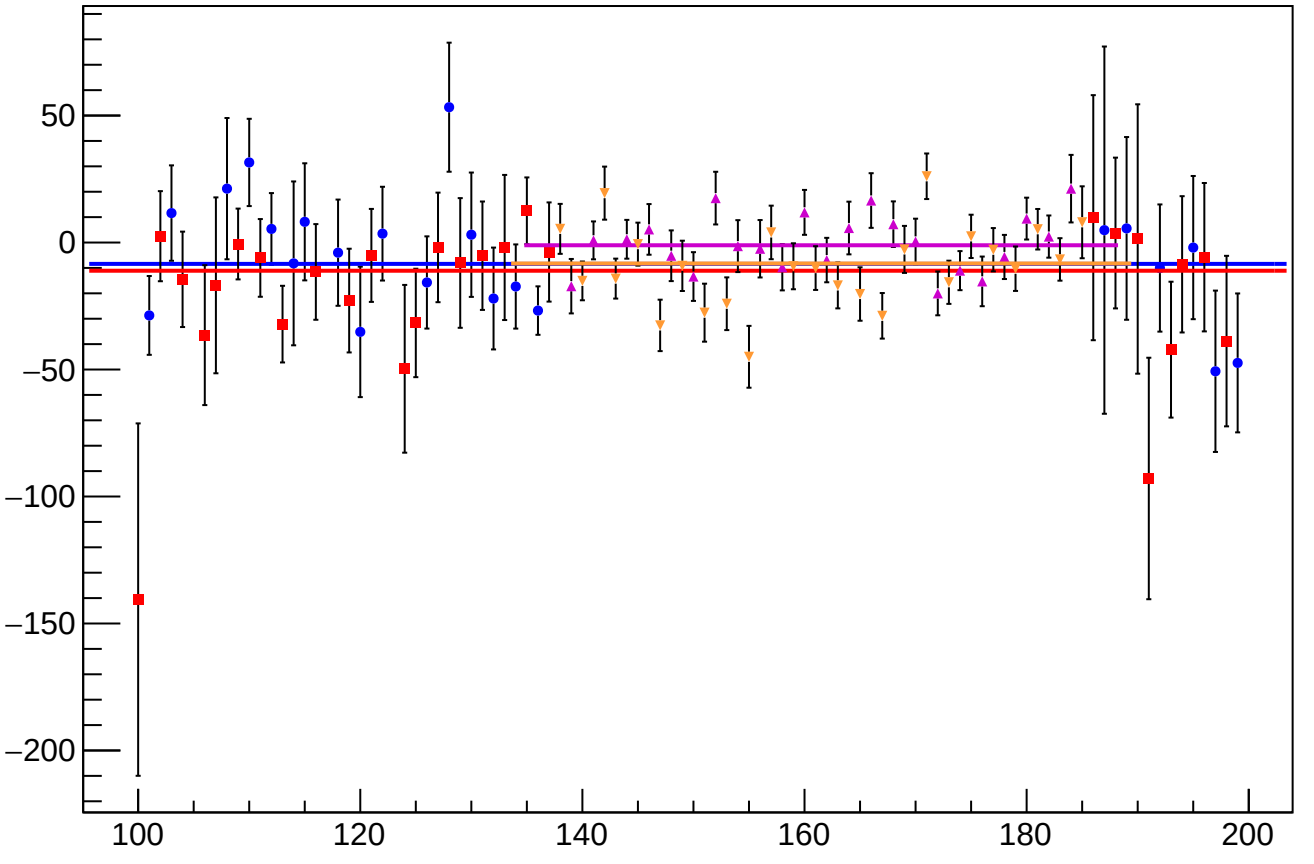
Right Out: 8.081+/-0.002 χ^2/NDF: 1097003.6/26

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.906+/-0.001 χ^2/NDF: 2623251.0/46

All: 7.974+/-0.001 χ^2/NDF: 5185708.4/96

- sign 8.044+/-0.001 χ^2/NDF: 2553586.6/49



Right In: -8.406+/-4.234 χ^2/NDF: 27.2/21

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

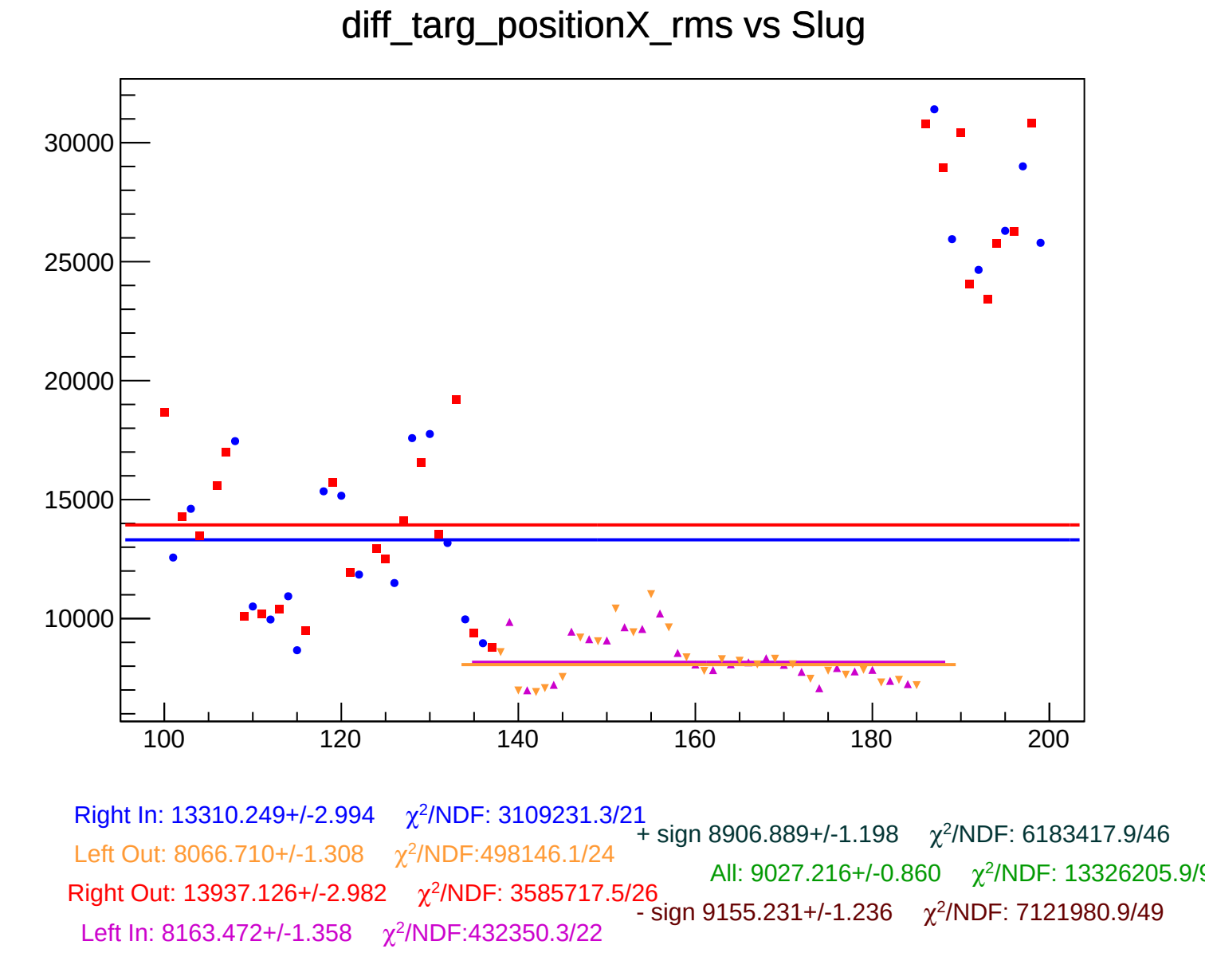
Right Out: -11.100+/-4.218 χ^2/NDF: 19.6/26

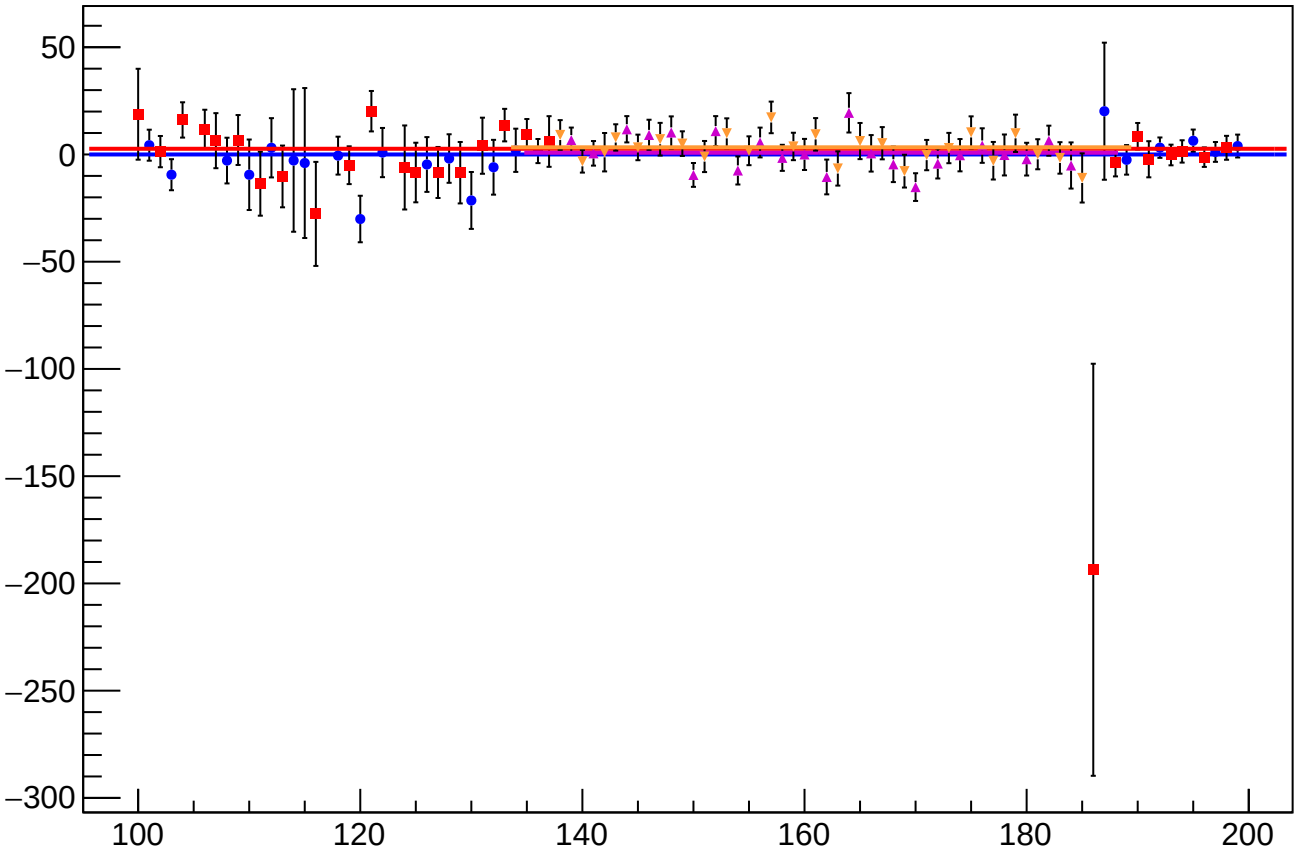
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

\+ sign -8.280+/-1.695 χ^2/NDF: 89.4/46

All: -5.622+/-1.217 χ^2/NDF: 147.5/96

\- sign -2.794+/-1.748 χ^2/NDF: 53.1/49


diff_targ_positionX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 13310.249+/-2.994 χ²/NDF: 3109231.3/21
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 13937.126+/-2.982 χ²/NDF: 3585717.5/26
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
+ sign 8906.889+/-1.198 χ²/NDF: 6183417.9/46
All: 9027.216+/-0.860 χ²/NDF: 13326205.9/9
- sign 9155.231+/-1.236 χ²/NDF: 7121980.9/49



Right In: -0.005+/-1.718 χ^2/NDF: 16.4/21

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 2.649+/-1.597 χ^2/NDF: 25.3/26

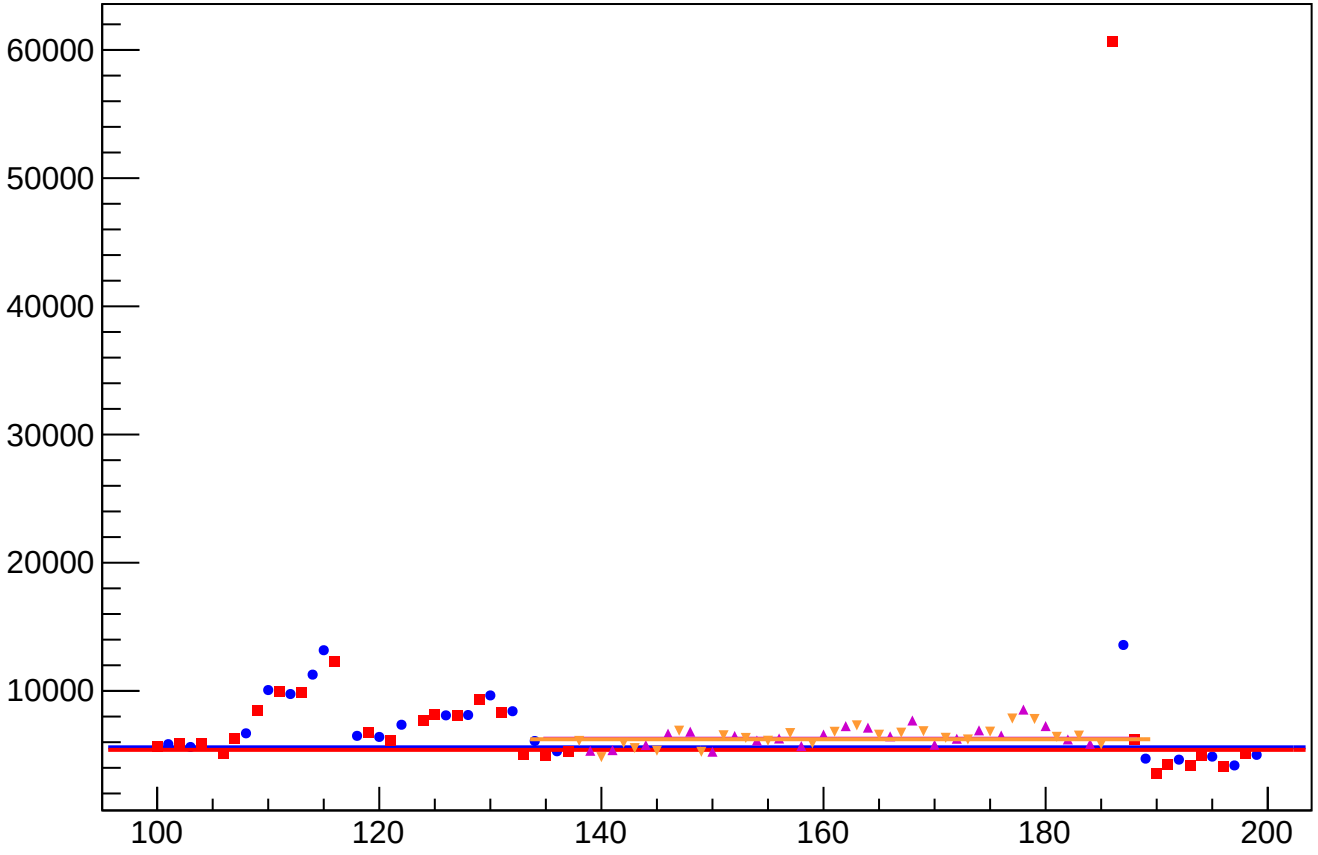
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.965+/-1.099 χ^2/NDF: 35.6/46

All: 1.806+/-0.772 χ^2/NDF: 91.1/96

- sign 1.651+/-1.085 χ^2/NDF: 55.4/49

diff_targ_positionY_rms vs Slug



Right In: 5599.953+/-1.215 χ^2/NDF: 1541942.6/21

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

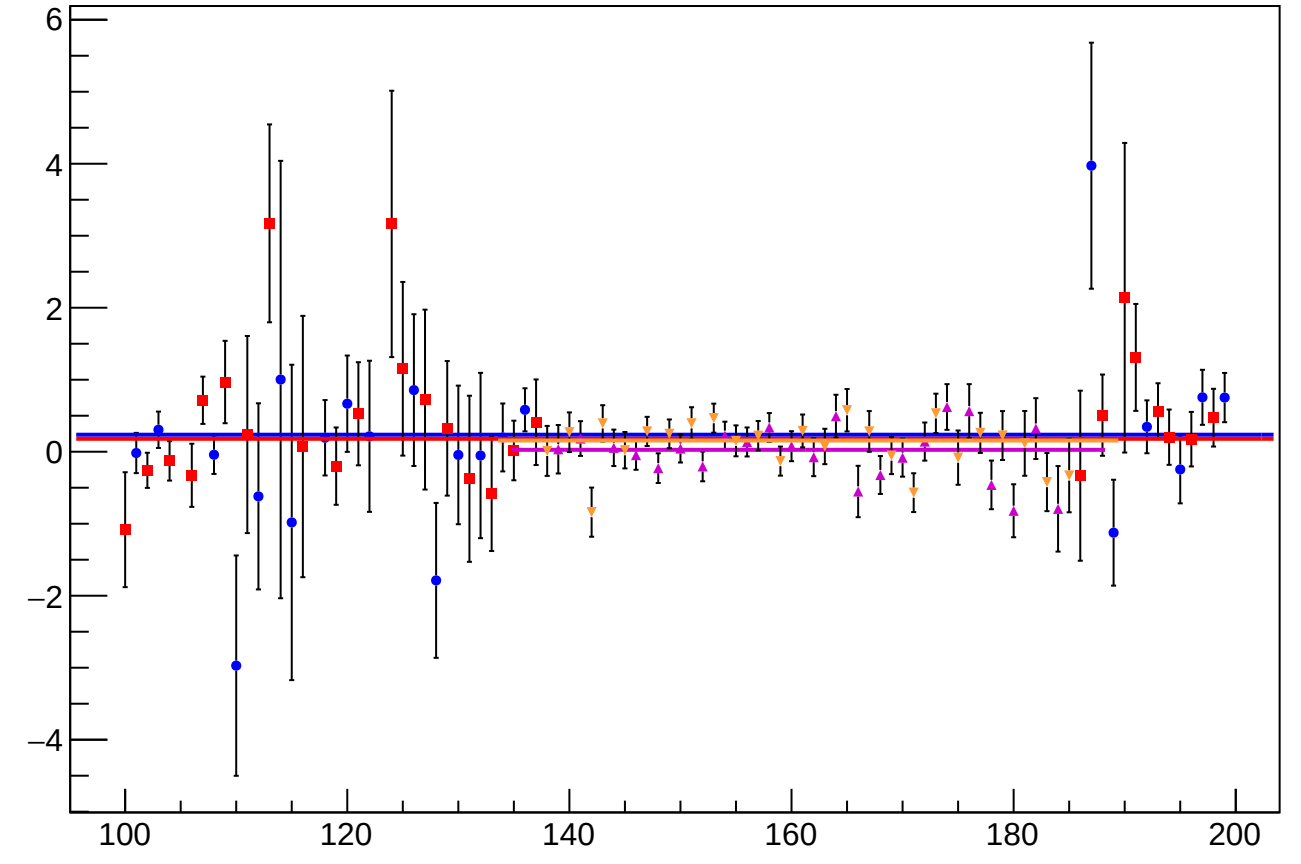
Right Out: 5402.037+/-1.130 χ^2/NDF: 2446062.8/26

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5972.590+/-0.777 χ^2/NDF: 2233832.1/46

All: 5920.584+/-0.546 χ^2/NDF: 5512079.5/96

- sign 5869.917+/-0.767 χ^2/NDF: 3269411.1/49



Right In: 0.236+/-0.100 χ^2/NDF: 26.4/21

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.180+/-0.099 χ^2/NDF: 28.5/26

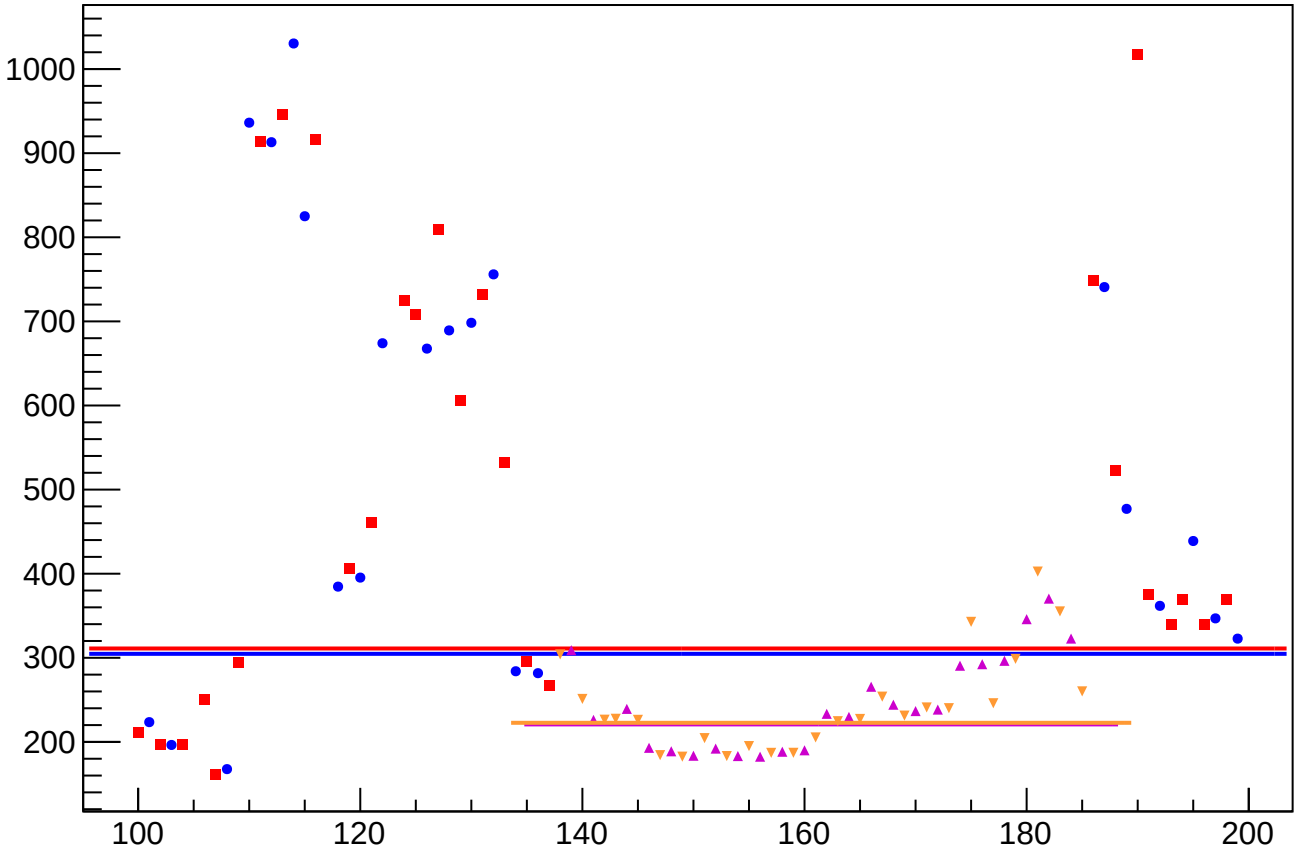
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.173+/-0.046 χ^2/NDF: 59.2/46

All: 0.117+/-0.033 χ^2/NDF: 122.3/96

- sign 0.061+/-0.047 χ^2/NDF: 60.1/49

diff_targ_thetaX_rms vs Slug



Right In: 304.726+/-0.071 χ^2/NDF: 4038207.1/21

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 311.073+/-0.070 χ^2/NDF: 4630101.0/26

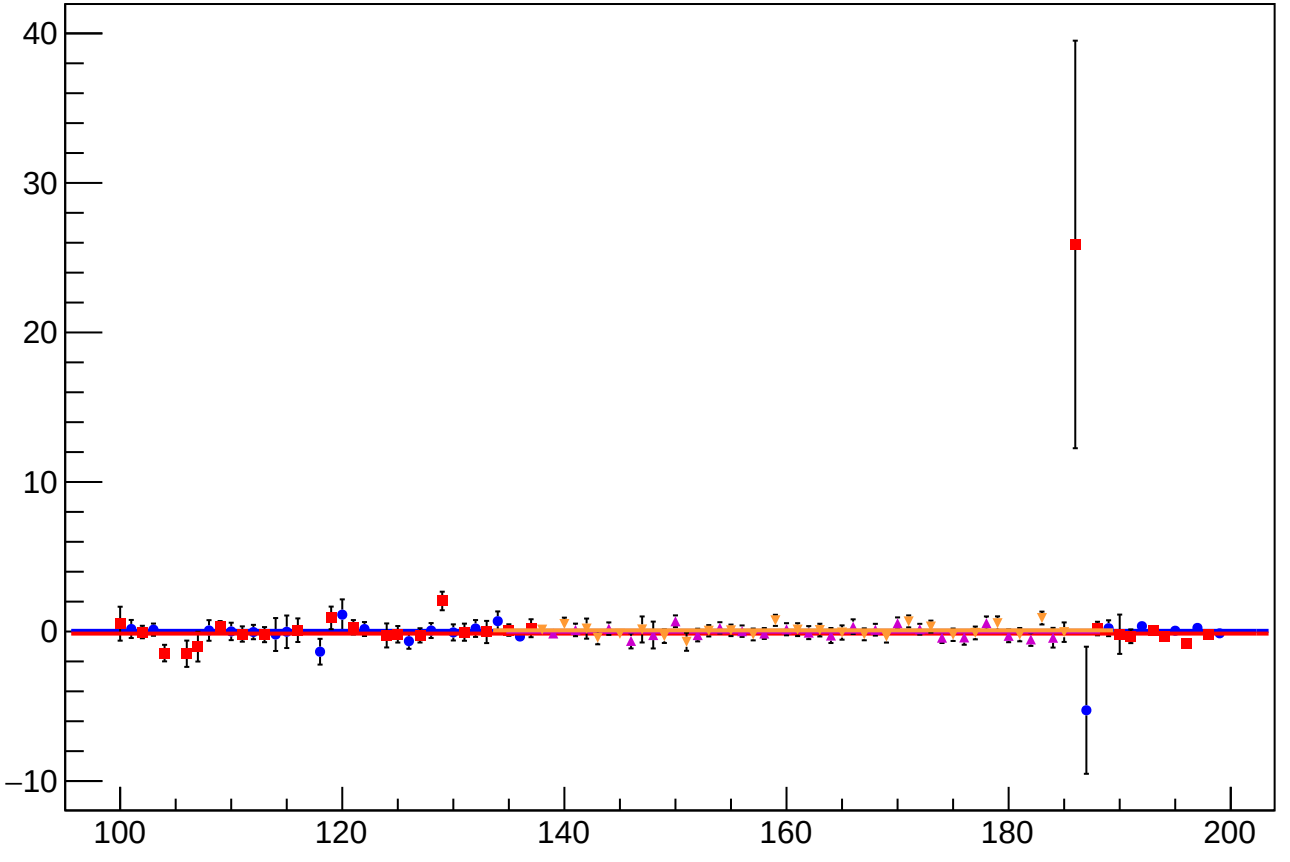
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 240.054+/-0.033 χ^2/NDF: 6544043.5/46

All: 240.487+/-0.023 χ^2/NDF: 13941331.9/96

- sign 240.932+/-0.033 χ^2/NDF: 7396929.7/49

diff_targ_thetaY_mean vs Slug



Right In: 0.046+/-0.094 χ^2/NDF: 12.6/21

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.139+/-0.090 χ^2/NDF: 37.7/26

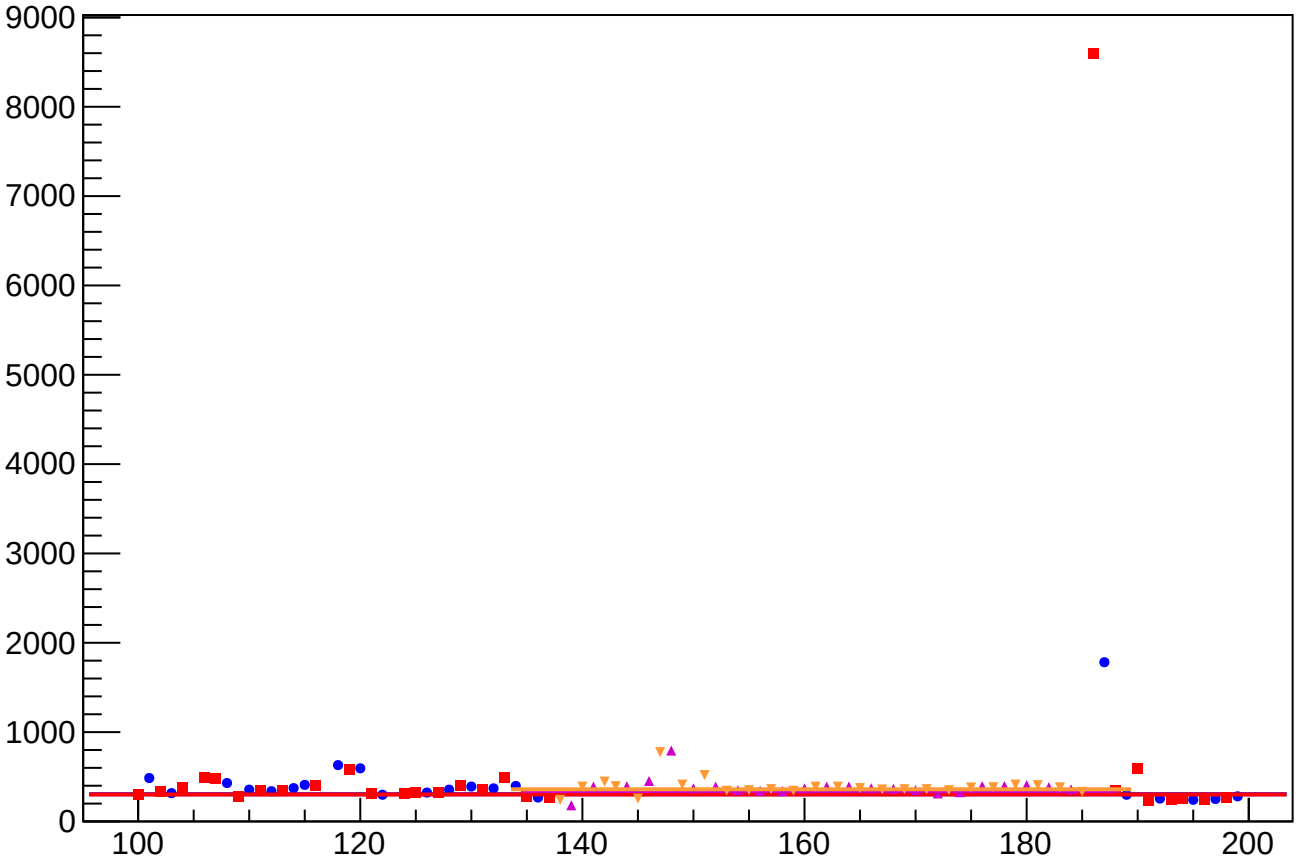
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.064+/-0.063 χ^2/NDF: 31.7/46

All: -0.004+/-0.044 χ^2/NDF: 88.0/96

- sign -0.068+/-0.061 χ^2/NDF: 54.1/49

diff_targ_thetaY_rms vs Slug



Right In: 304.565+/-0.067 χ^2/NDF: 1435185.6/21

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

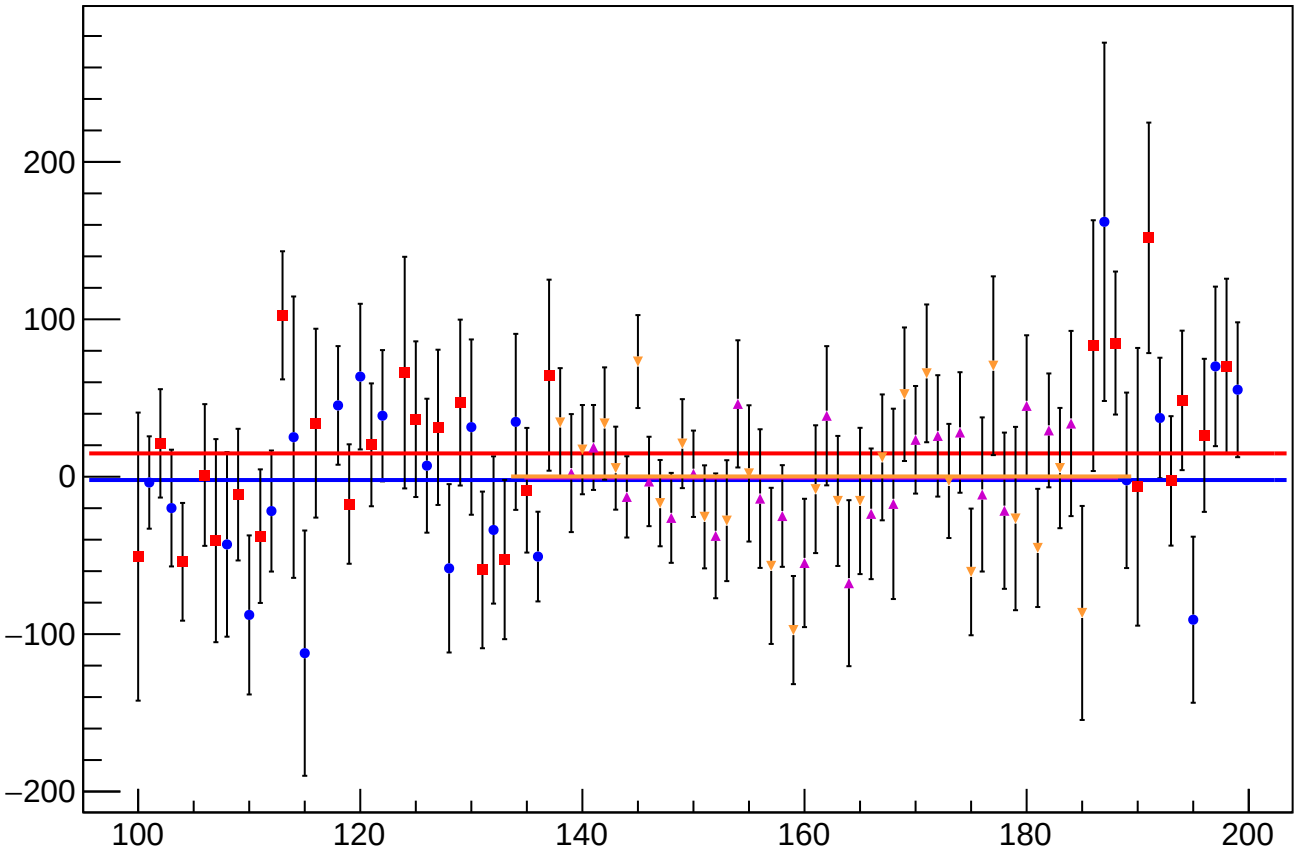
Right Out: 302.054+/-0.064 χ^2/NDF: 1935812.1/26

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 335.318+/-0.044 χ^2/NDF: 3160404.5/46

All: 328.823+/-0.031 χ^2/NDF: 7554893.9/96

- sign 322.682+/-0.043 χ^2/NDF: 4352848.5/49



Right In: -2.105+/-9.582 χ^2/NDF: 25.6/21

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

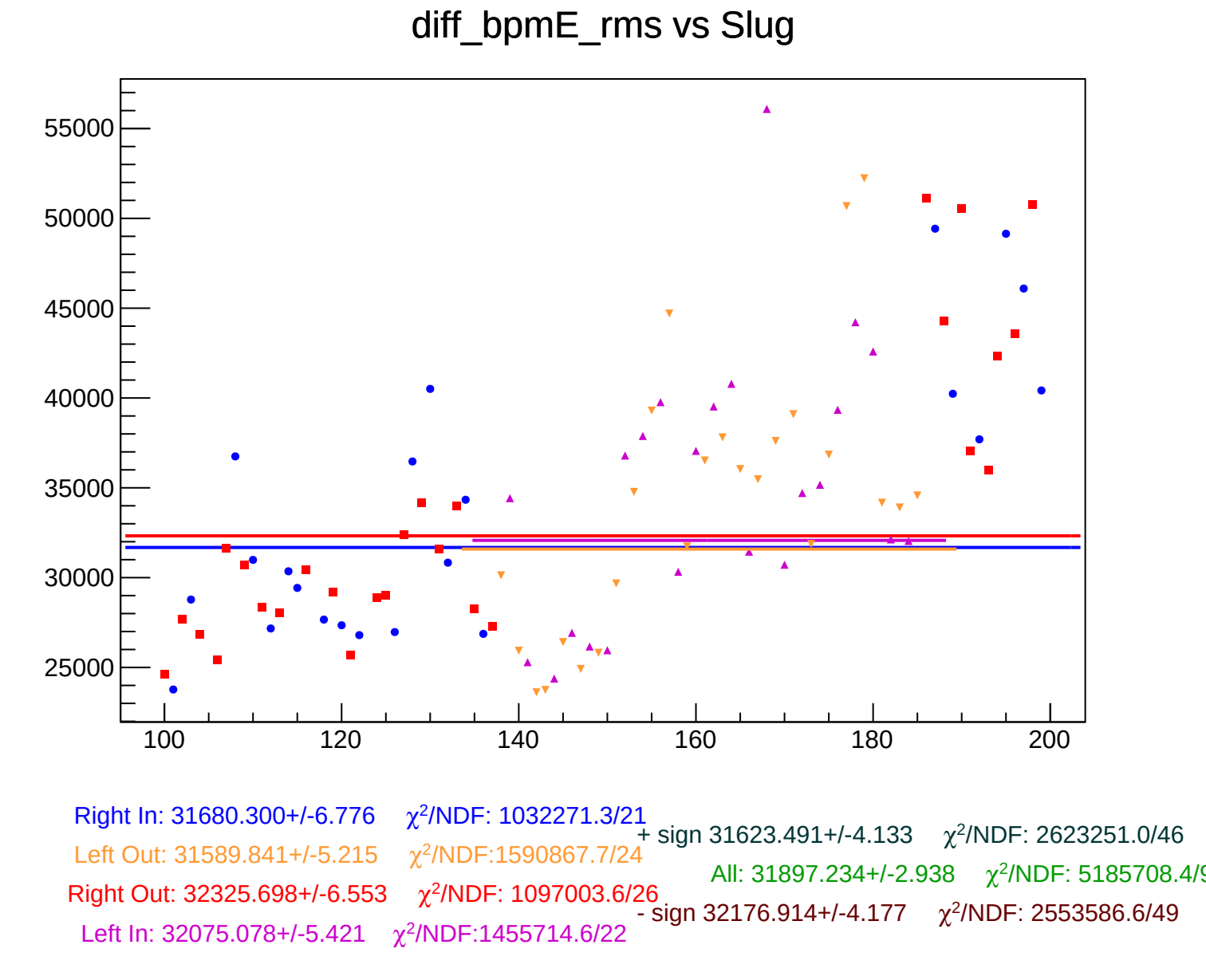
Right Out: 14.809+/-9.267 χ^2/NDF: 26.8/26

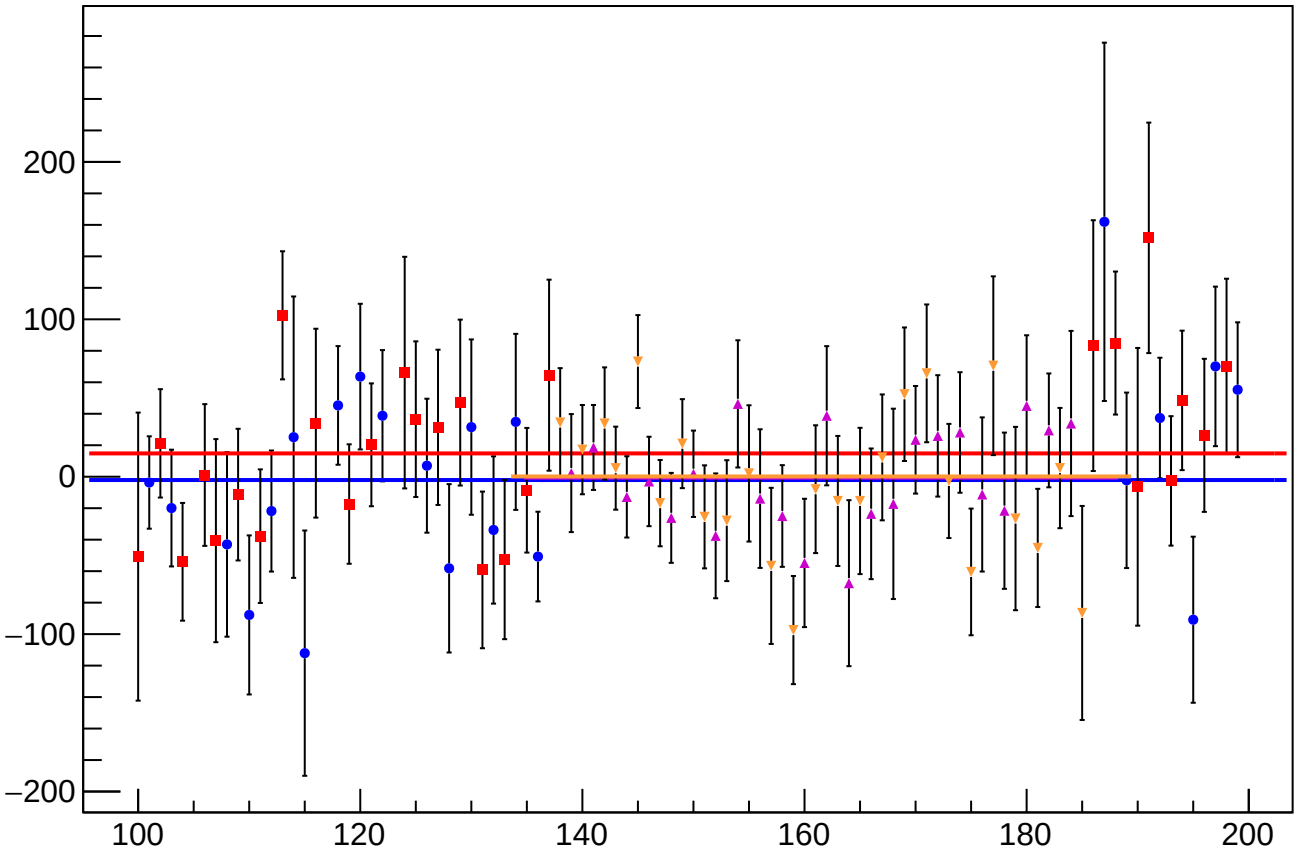
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -0.678+/-5.844 χ^2/NDF: 56.8/46

All: 2.462+/-4.155 χ^2/NDF: 98.6/96

- 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: 31680.300+/-6.776 χ²/NDF: 1032271.3/21
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 31623.491+/-4.133 χ²/NDF: 2623251.0/46
All: 31897.234+/-2.938 χ²/NDF: 5185708.4/9
- sign 32176.914+/-4.177 χ²/NDF: 2553586.6/49



Right In: -2.105+/-9.582 χ^2/NDF: 25.6/21

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

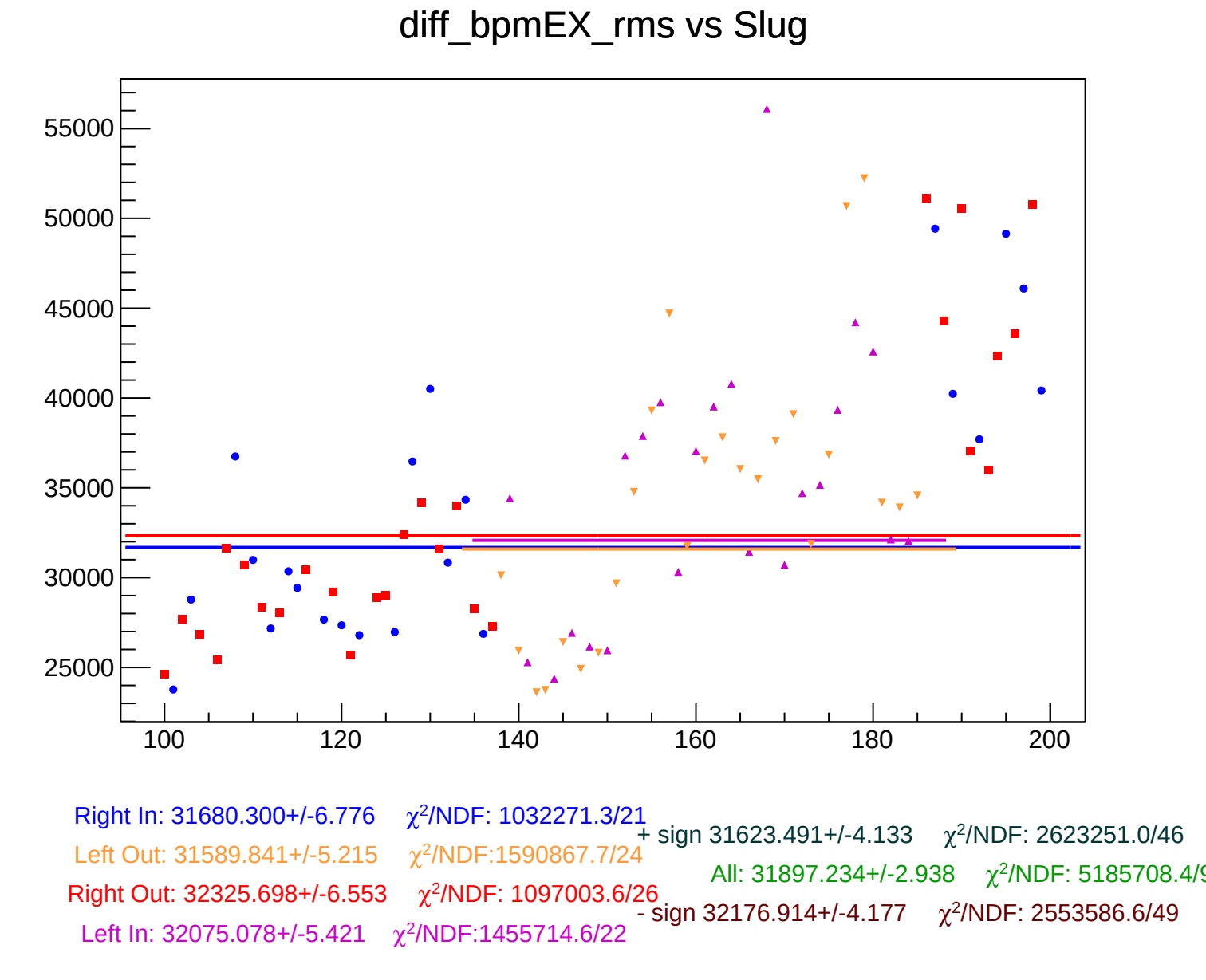
Right Out: 14.809+/-9.267 χ^2/NDF: 26.8/26

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

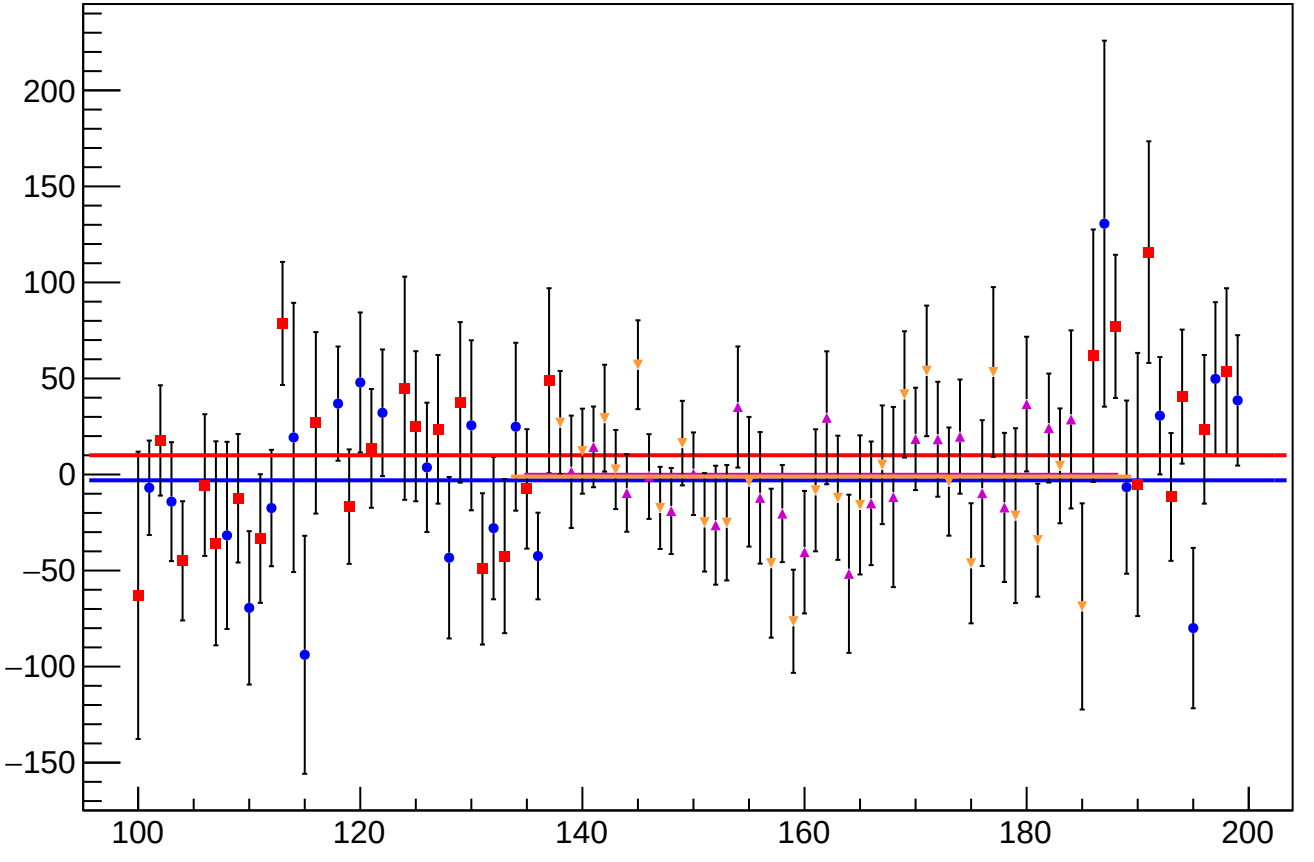
+ sign -0.678+/-5.844 χ^2/NDF: 56.8/46

All: 2.462+/-4.155 χ^2/NDF: 98.6/96

- 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: 31680.300+/-6.776 χ²/NDF: 1032271.3/21
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 31623.491+/-4.133 χ²/NDF: 2623251.0/46
All: 31897.234+/-2.938 χ²/NDF: 5185708.4/9
- sign 32176.914+/-4.177 χ²/NDF: 2553586.6/49

diff_bpmE_11X12X_mean vs Slug



Right In: -3.019+/-7.665 χ^2/NDF: 25.8/21

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

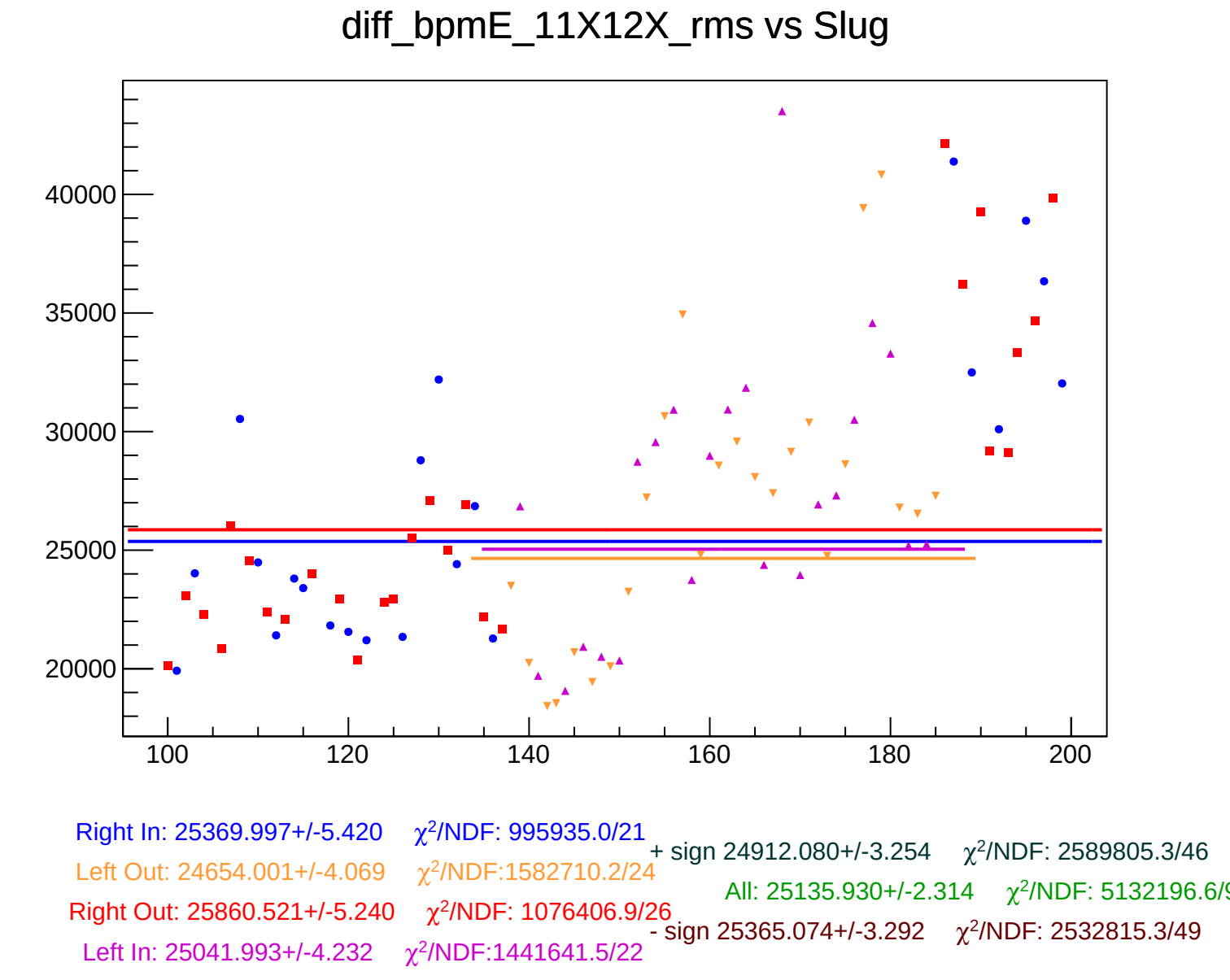
Right Out: 10.032+/-7.411 χ^2/NDF: 28.3/26

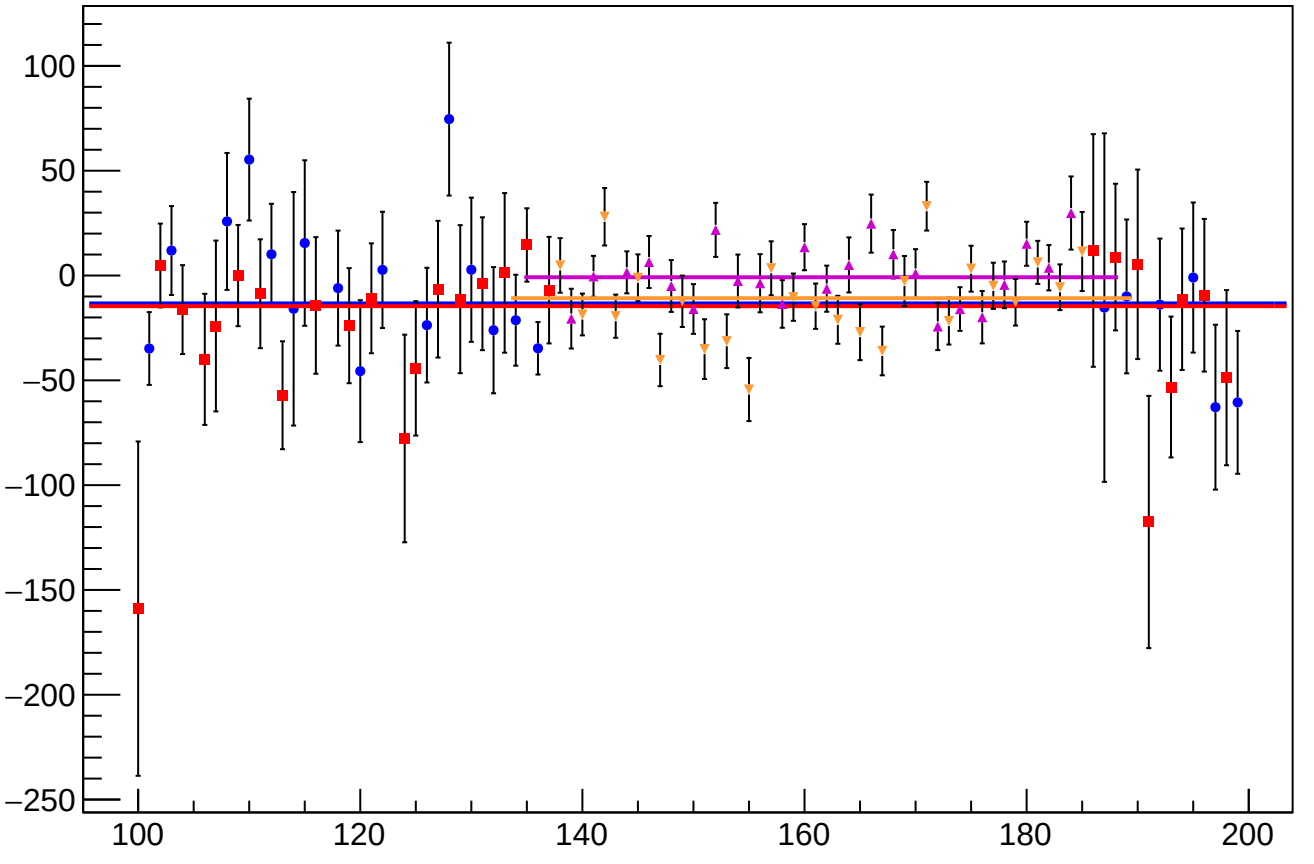
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

\+ sign -1.754+/-4.602 χ^2/NDF: 58.1/46

All: 1.025+/-3.273 χ^2/NDF: 100.5/96

\- 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: 25369.997+/-5.420 χ²/NDF: 995935.0/21
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 24912.080+/-3.254 χ²/NDF: 2589805.3/46
All: 25135.930+/-2.314 χ²/NDF: 5132196.6/9
- sign 25365.074+/-3.292 χ²/NDF: 2532815.3/49



Right In: -13.326+/-5.719 χ^2/NDF: 25.8/21

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -14.610+/-5.817 χ^2/NDF: 19.7/26

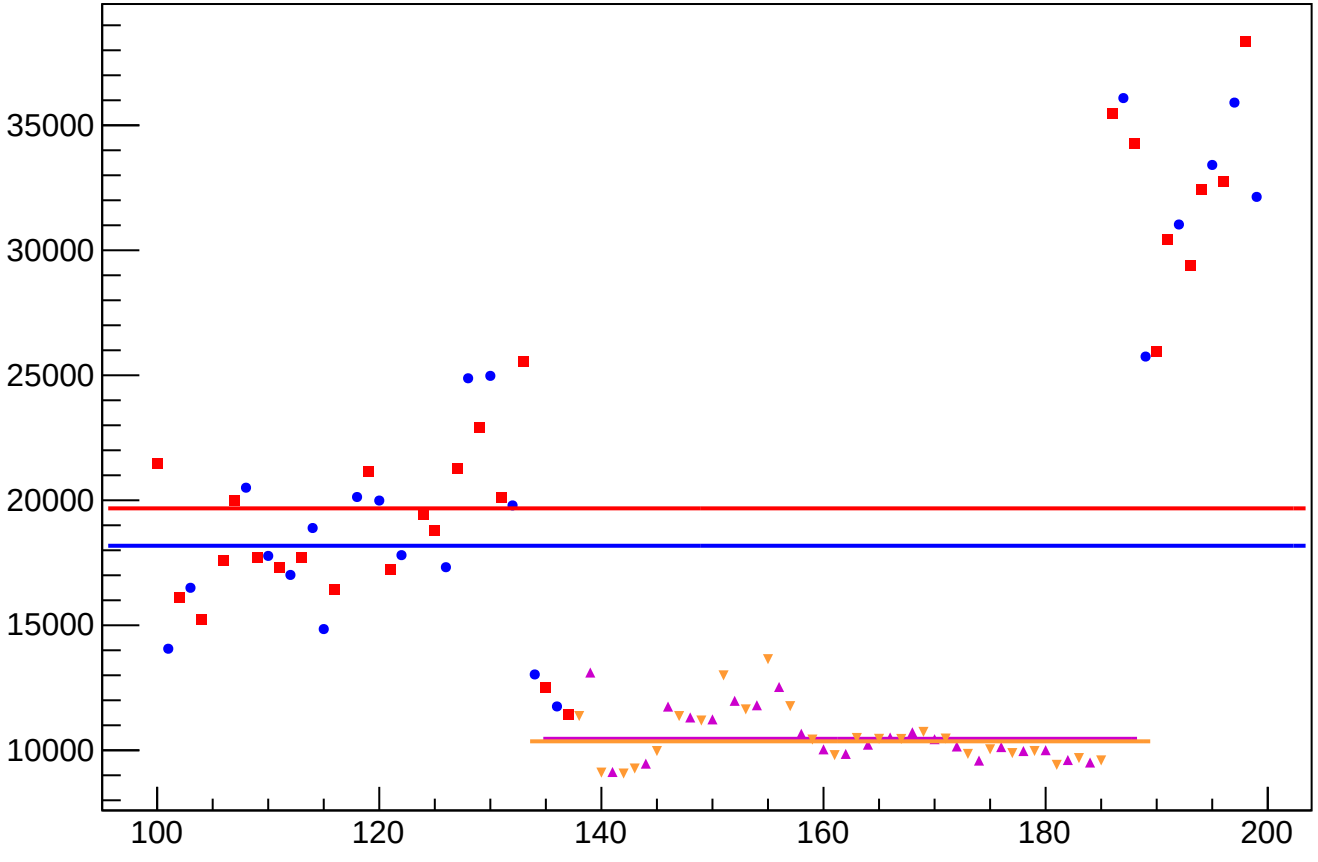
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -11.189+/-2.190 χ^2/NDF: 87.2/46

All: -7.188+/-1.574 χ^2/NDF: 148.0/96

- sign -2.913+/-2.263 χ^2/NDF: 53.9/49

diff_bpm4aesumX_rms vs Slug



Right In: 18181.051+/-4.044 χ^2/NDF: 2578976.8/21

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 19677.035+/-4.113 χ^2/NDF: 2585959.6/26

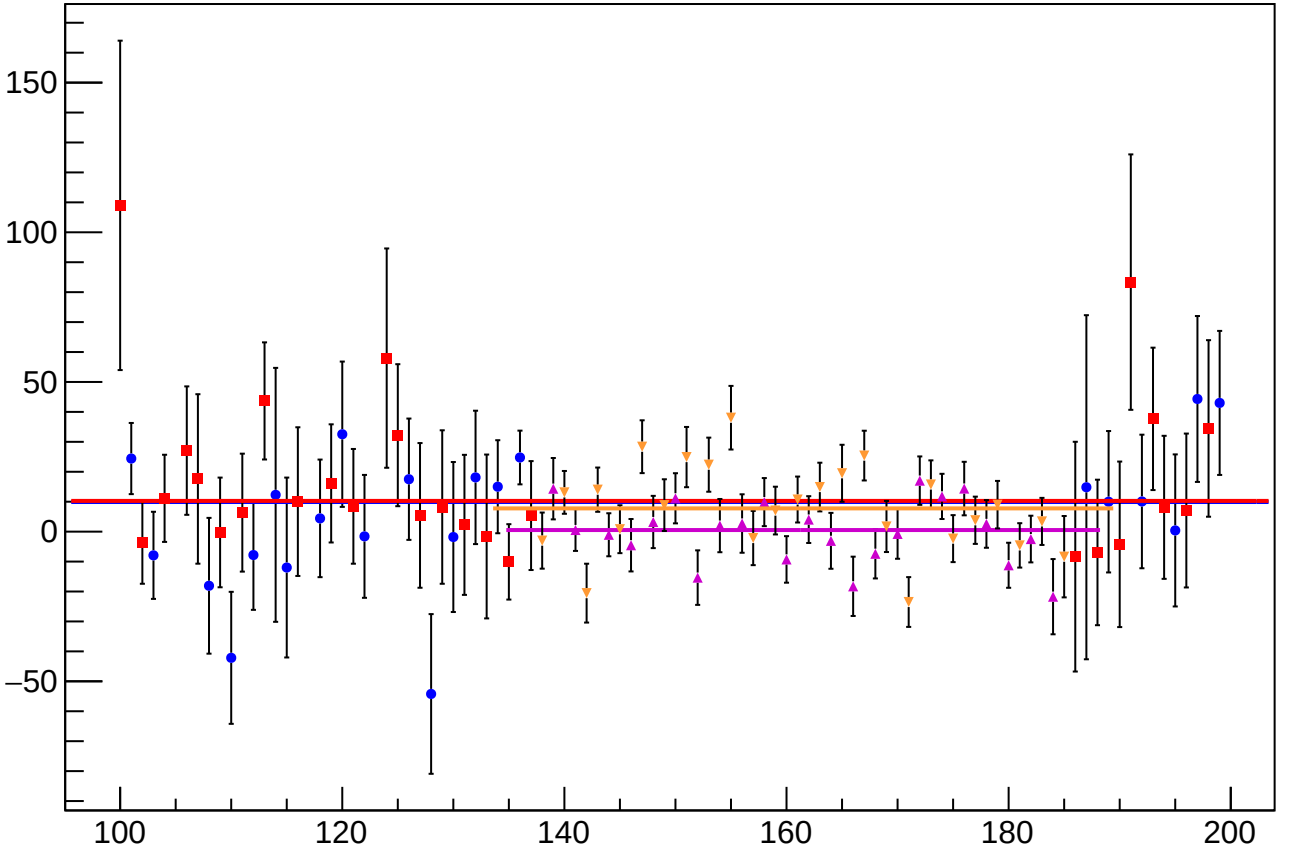
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

\+ sign 11505.332+/-1.548 χ^2/NDF: 6135898.0/46

All: 11674.164+/-1.113 χ^2/NDF: 13322692.1

\- sign 11854.557+/-1.600 χ^2/NDF: 7162200.4/49

diff_bpm4aediffX_mean vs Slug



Right In: 9.897+/-4.089 χ^2/NDF: 25.5/21

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 10.268+/-4.169 χ^2/NDF: 19.9/26

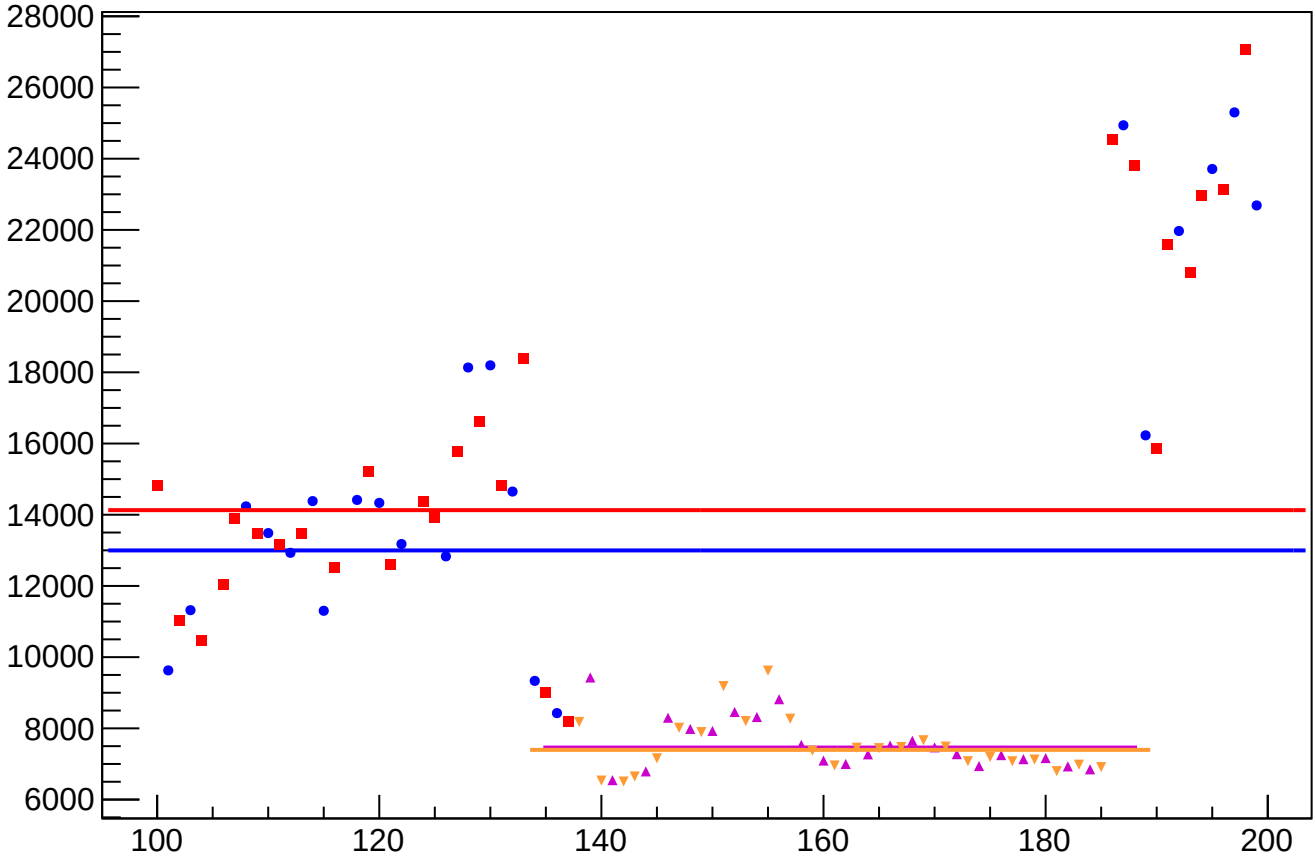
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 8.075+/-1.563 χ^2/NDF: 86.7/46

All: 5.134+/-1.123 χ^2/NDF: 148.0/96

- sign 1.993+/-1.615 χ^2/NDF: 54.0/49

diff_bpm4aediffX_rms vs Slug



Right In: 12997.367+/-2.891 χ^2/NDF: 2542542.2/21

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14128.913+/-2.948 χ^2/NDF: 2503713.4/26

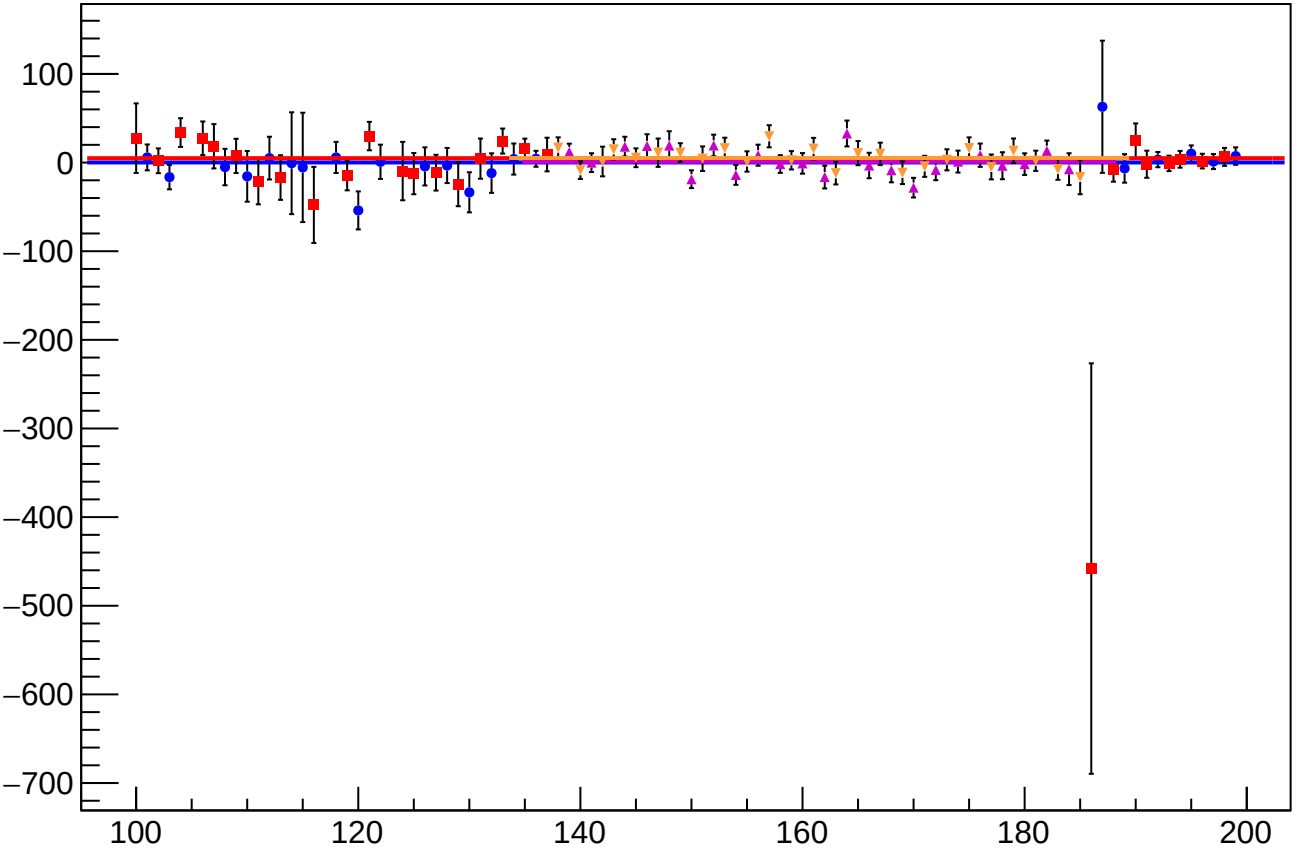
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8214.110+/-1.105 χ^2/NDF: 6071879.6/46

All: 8333.738+/-0.794 χ^2/NDF: 13231643.0/9

- sign 8461.481+/-1.142 χ^2/NDF: 7135537.4/49

diff_bpm4aesumY_mean vs Slug



Right In: 0.142+/-3.142 χ^2/NDF: 14.0/21

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 4.984+/-2.977 χ^2/NDF: 24.6/26

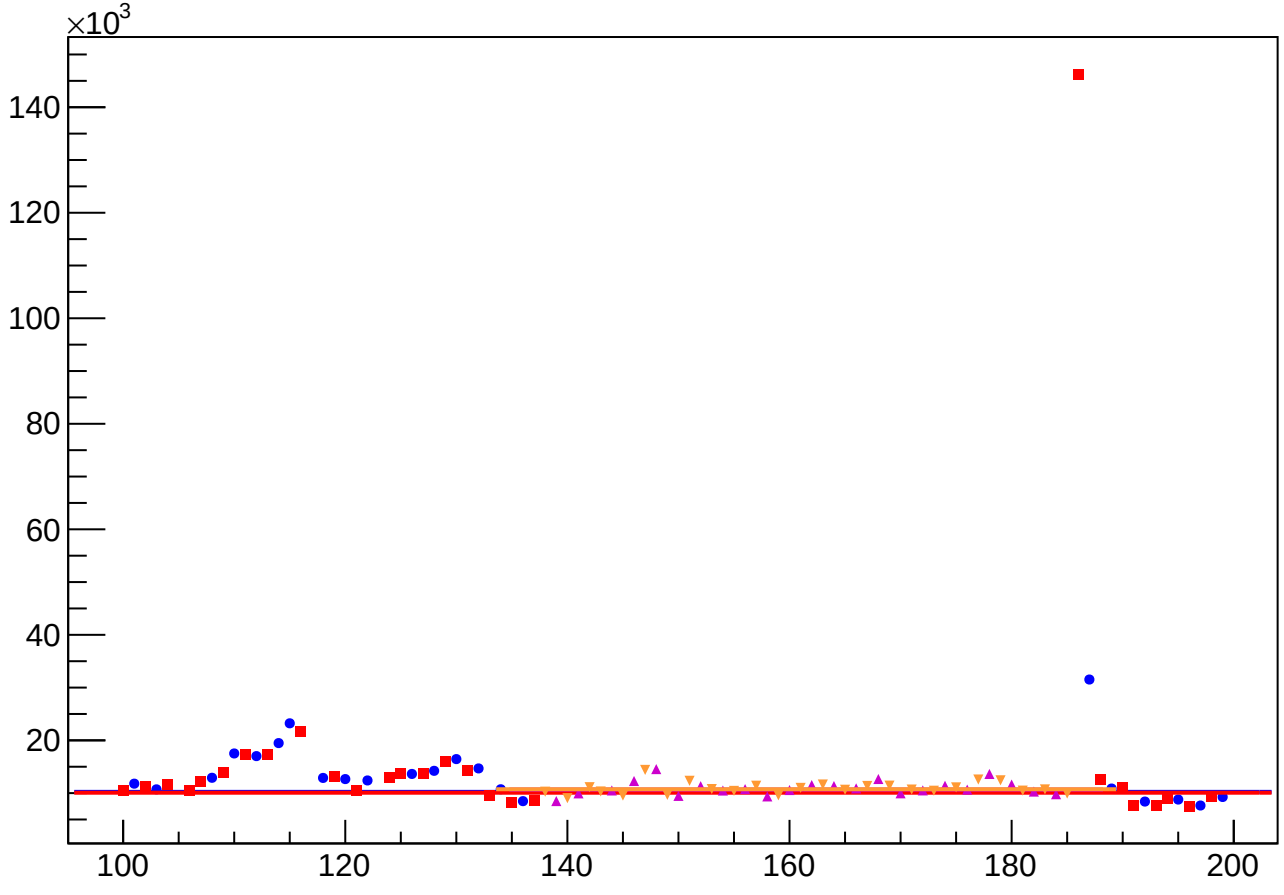
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.265+/-1.936 χ^2/NDF: 34.0/46

All: 2.930+/-1.364 χ^2/NDF: 91.5/96

- sign 2.599+/-1.923 χ^2/NDF: 57.5/49

diff_bpm4aesumY_rms vs Slug



Right In: 10235.636+/-2.222 χ^2/NDF: 1533555.0/21

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10076.040+/-2.105 χ^2/NDF: 2254096.8/26

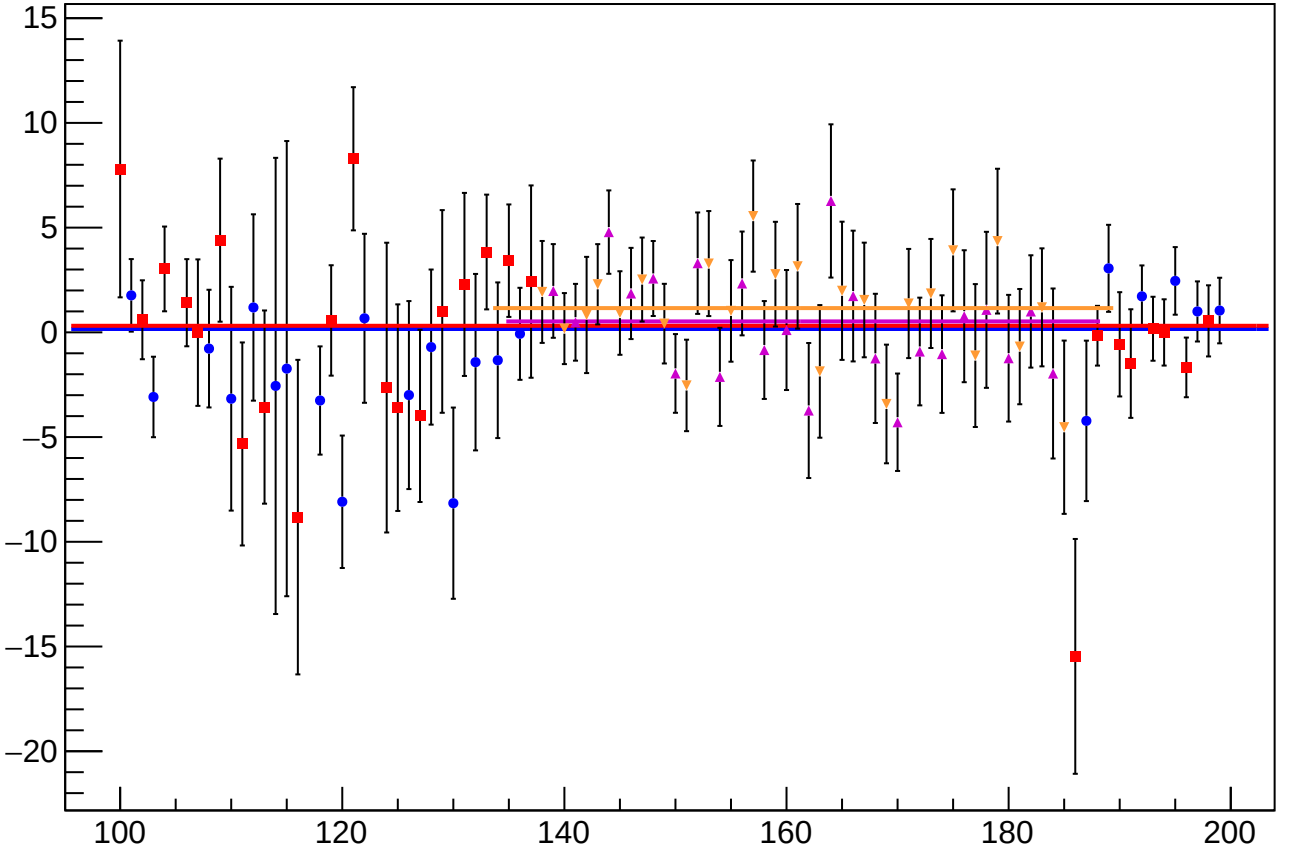
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10544.570+/-1.369 χ^2/NDF: 1933003.5/46

All: 10485.046+/-0.965 χ^2/NDF: 4738961.2/9

- sign 10426.367+/-1.360 χ^2/NDF: 2802205.1/49

diff_bpm4aediffY_mean vs Slug



Right In: 0.160+/-0.521 χ^2/NDF: 24.2/21

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.313+/-0.482 χ^2/NDF: 29.7/26

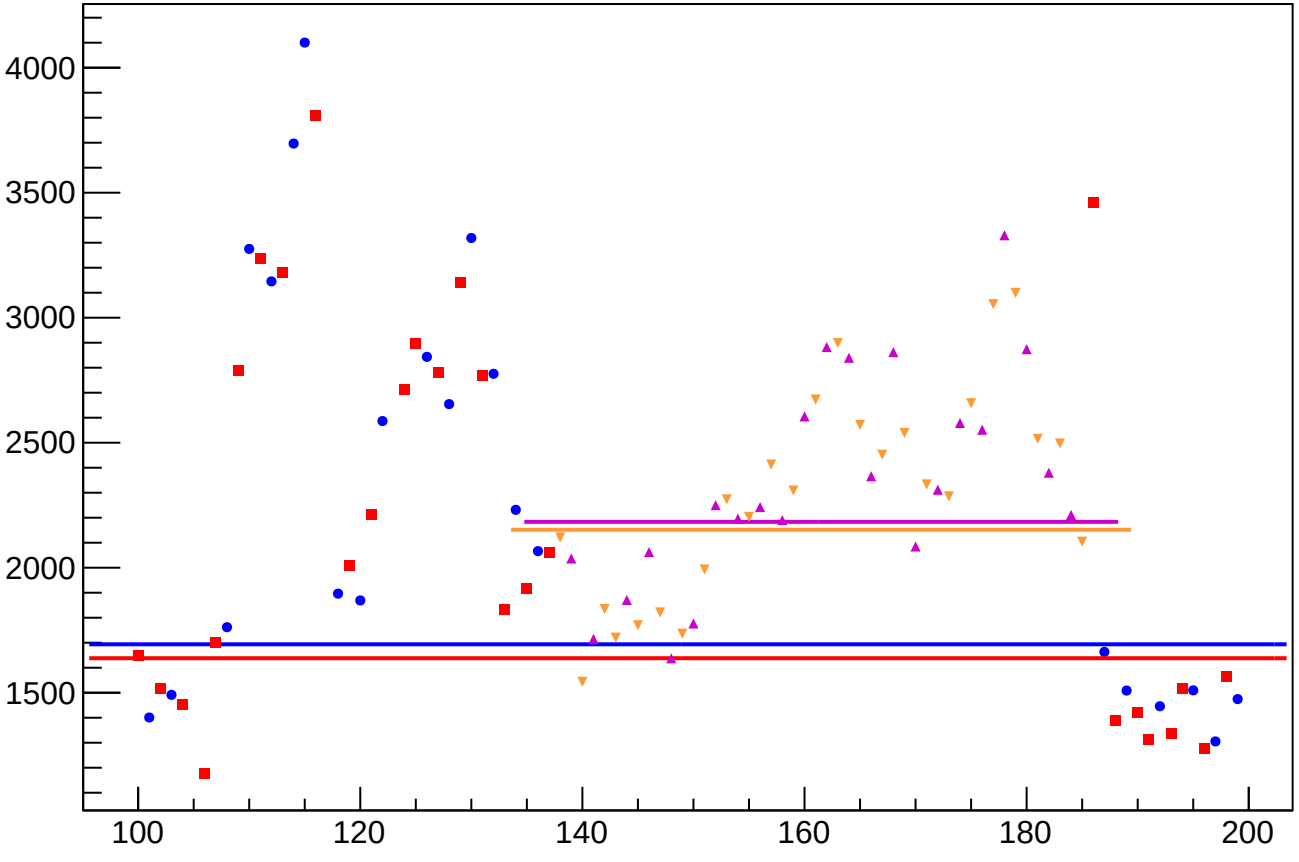
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.679+/-0.361 χ^2/NDF: 42.9/46

All: 0.542+/-0.252 χ^2/NDF: 95.3/96

- sign 0.410+/-0.353 χ^2/NDF: 52.1/49

diff_bpm4aediffY_rms vs Slug



Right In: 1693.699+/-0.368 χ^2/NDF: 1785701.9/21

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

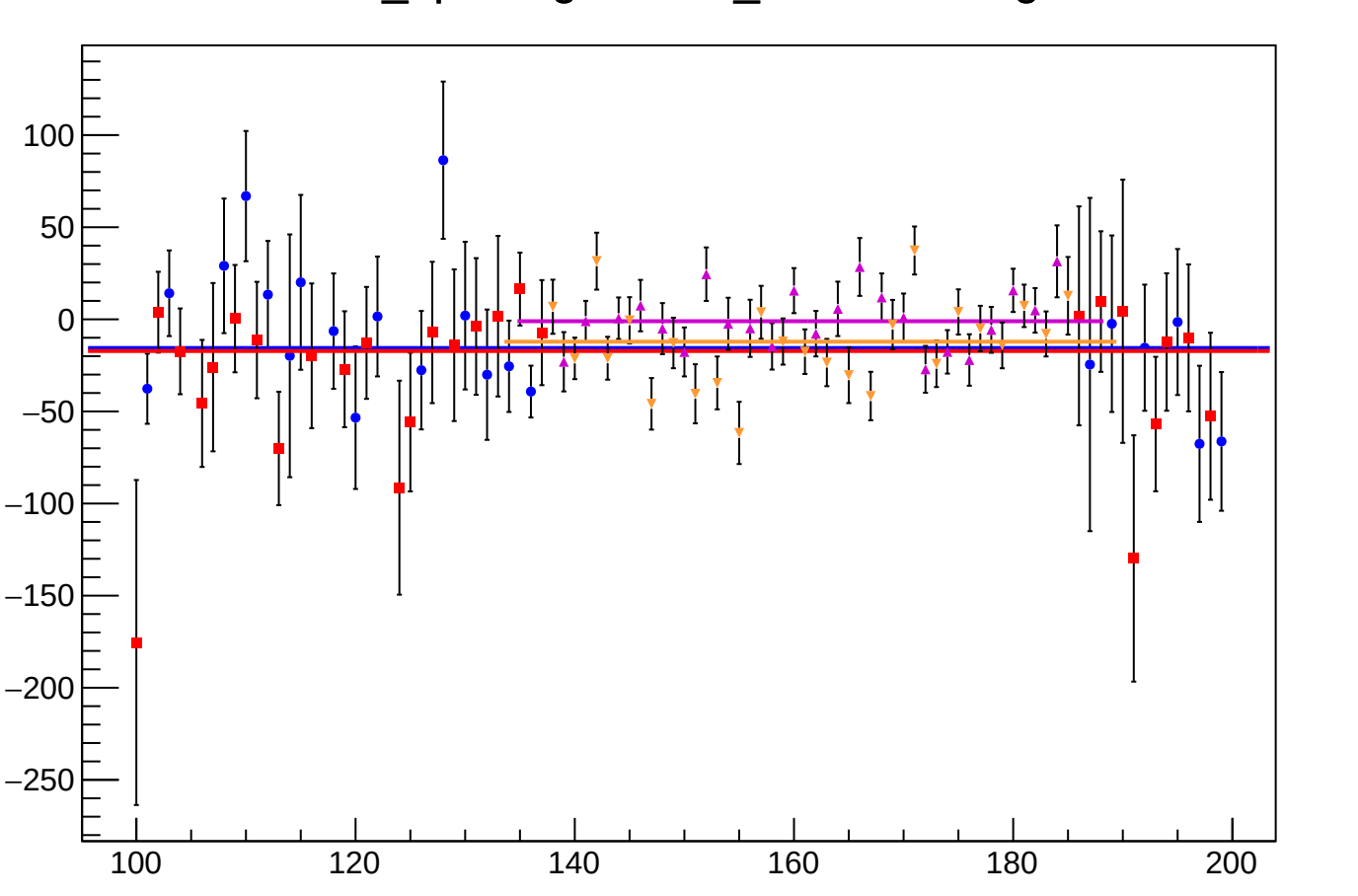
Right Out: 1638.035+/-0.341 χ^2/NDF: 2251772.5/26

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

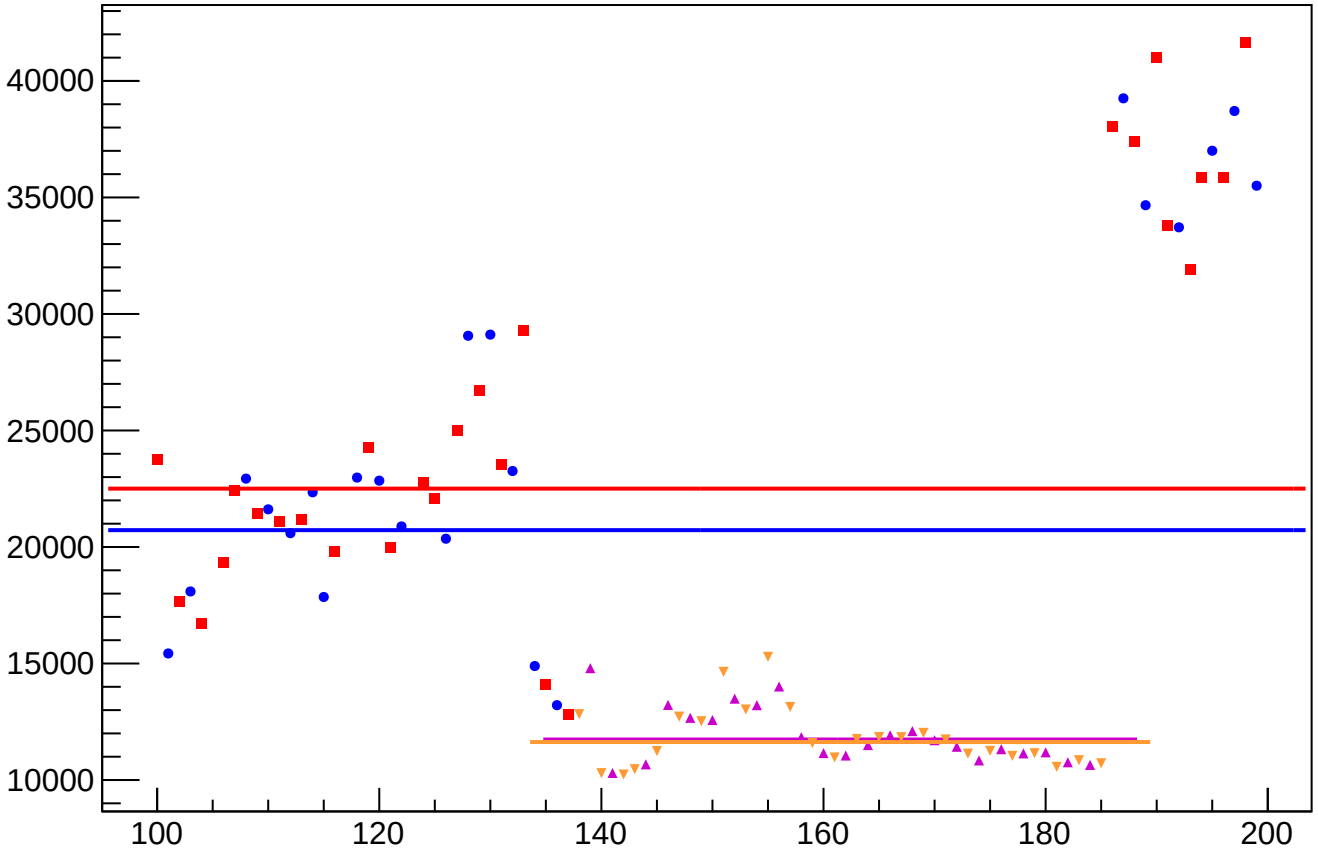
+ sign 1931.978+/-0.255 χ^2/NDF: 3940174.7/46

All: 1910.630+/-0.179 χ^2/NDF: 8552025.9/96

- sign 1890.136+/-0.250 χ^2/NDF: 4598121.1/49


diff_bpmtargetsumX_mean vs Slug
100
50
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -15.581+/-6.514 χ²/NDF: 25.5/21
Left Out: -12.135+/-2.661 χ²/NDF:62.6/24
Right Out: -17.191+/-6.647 χ²/NDF: 19.8/26
Left In: -1.024+/-2.758 χ²/NDF:28.8/22
+ sign -12.627+/-2.463 χ²/NDF: 88.4/46
All: -8.167+/-1.771 χ²/NDF: 148.8/96
- sign -3.398+/-2.547 χ²/NDF: 53.6/49

diff_bpmtargetsumX_rms vs Slug



Right In: 20722.950+/-4.606 χ^2/NDF: 2616230.0/21

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 22504.672+/-4.700 χ^2/NDF: 2550977.0/26

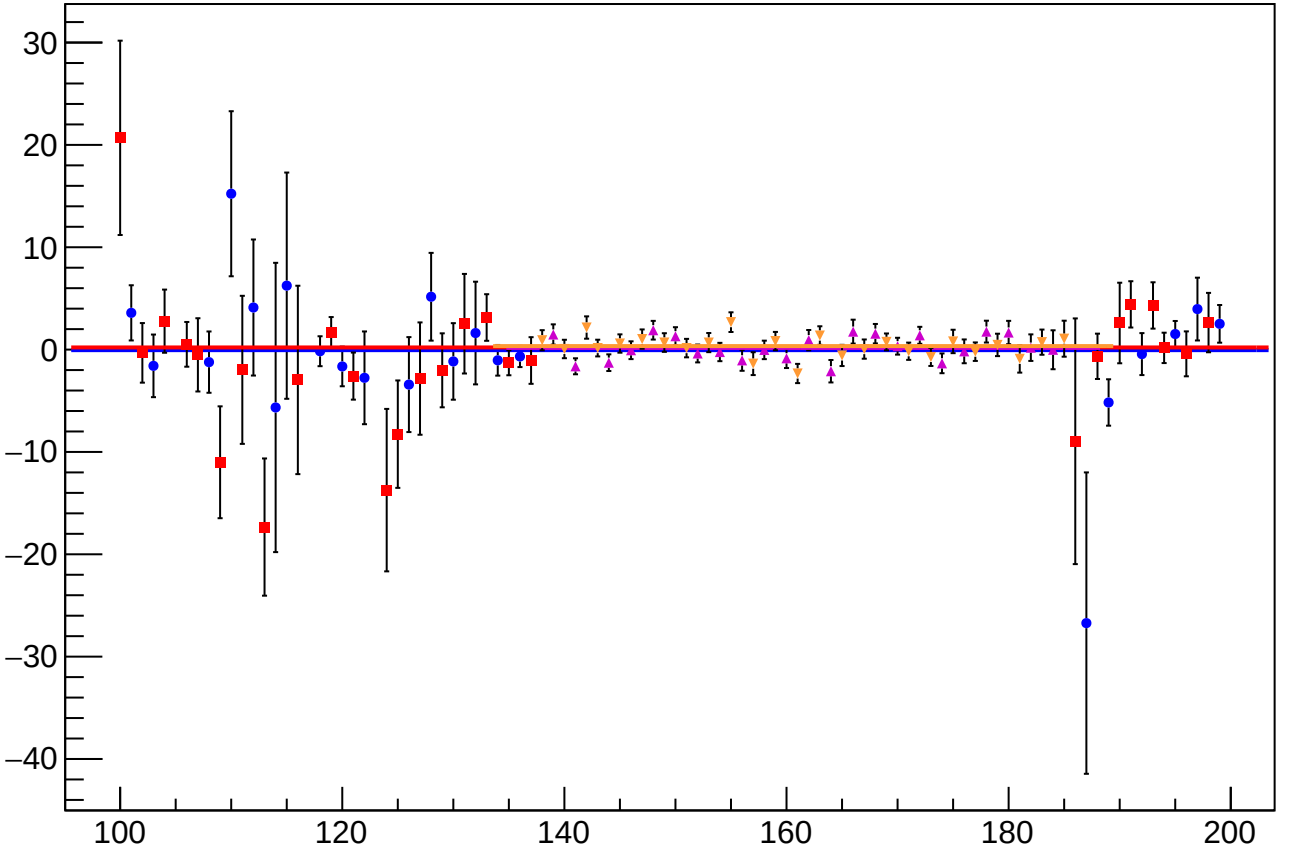
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 12930.515+/-1.742 χ^2/NDF: 6311546.4/46

All: 13118.406+/-1.252 χ^2/NDF: 13676749.2

- sign 13319.265+/-1.801 χ^2/NDF: 7341130.9/49

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.054+/-0.486 χ^2/NDF: 24.3/21

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.210+/-0.504 χ^2/NDF: 37.8/26

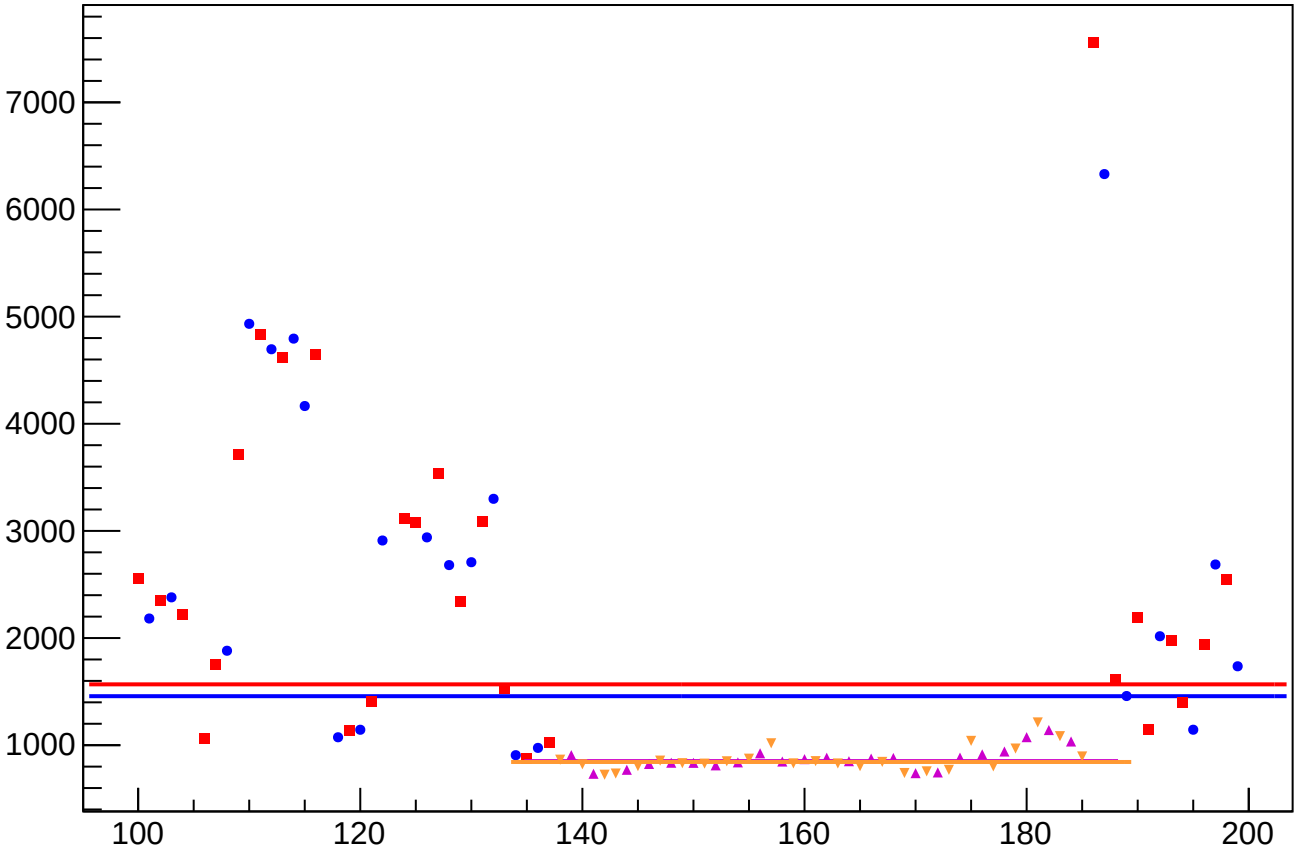
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.288+/-0.180 χ^2/NDF: 51.7/46

All: 0.232+/-0.130 χ^2/NDF: 126.0/96

- sign 0.171+/-0.187 χ^2/NDF: 74.2/49

diff_bpmtargetdiffX_rms vs Slug



Right In: 1457.353+/-0.344 χ^2/NDF: 4259237.8/21

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1567.840+/-0.356 χ^2/NDF: 4430763.1/26

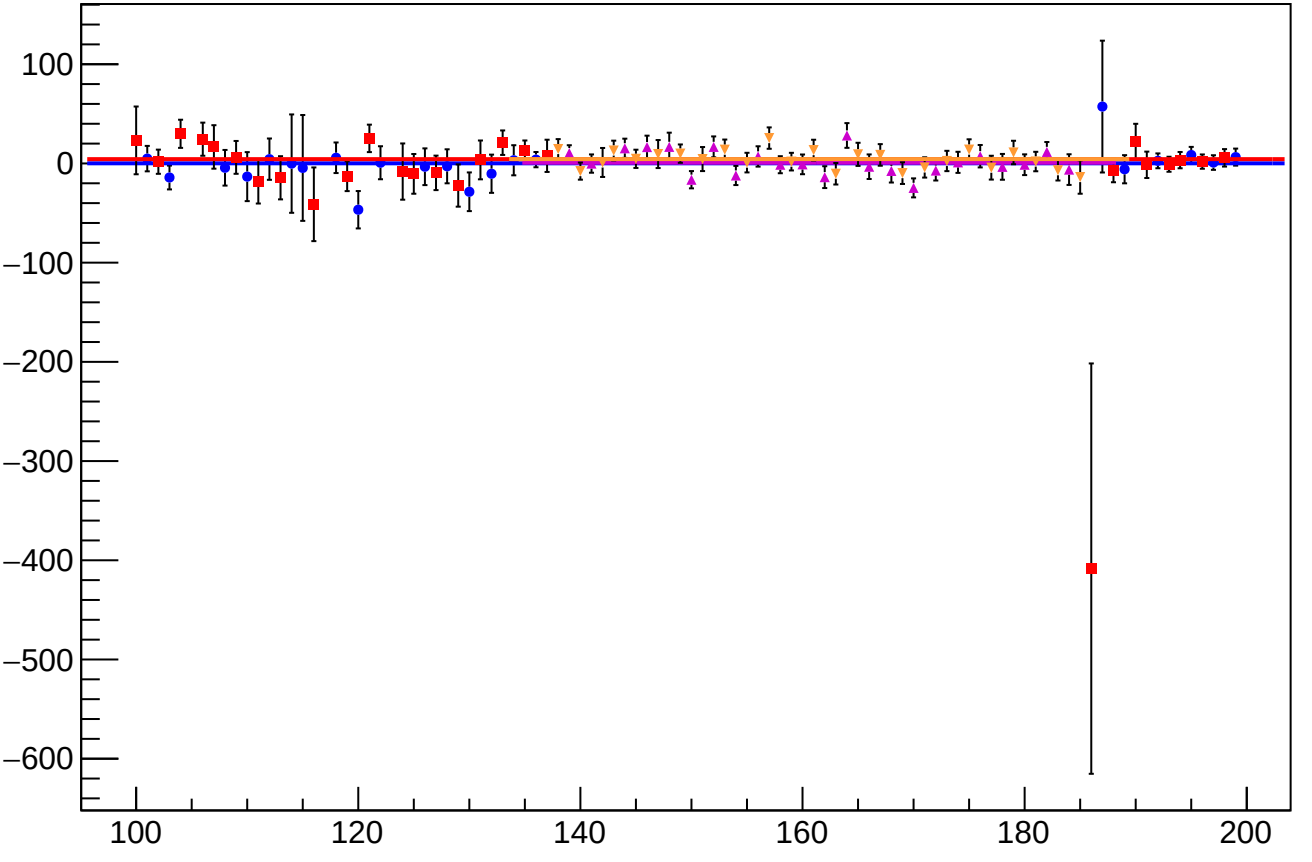
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 927.438+/-0.127 χ^2/NDF: 7517991.9/46

All: 938.196+/-0.092 χ^2/NDF: 15830311.4/96

- sign 949.758+/-0.132 χ^2/NDF: 8297496.4/49

diff_bpmtargetsumY_mean vs Slug



Right In: 0.131+/-2.728 χ^2/NDF: 13.7/21

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 4.337+/-2.587 χ^2/NDF: 24.5/26

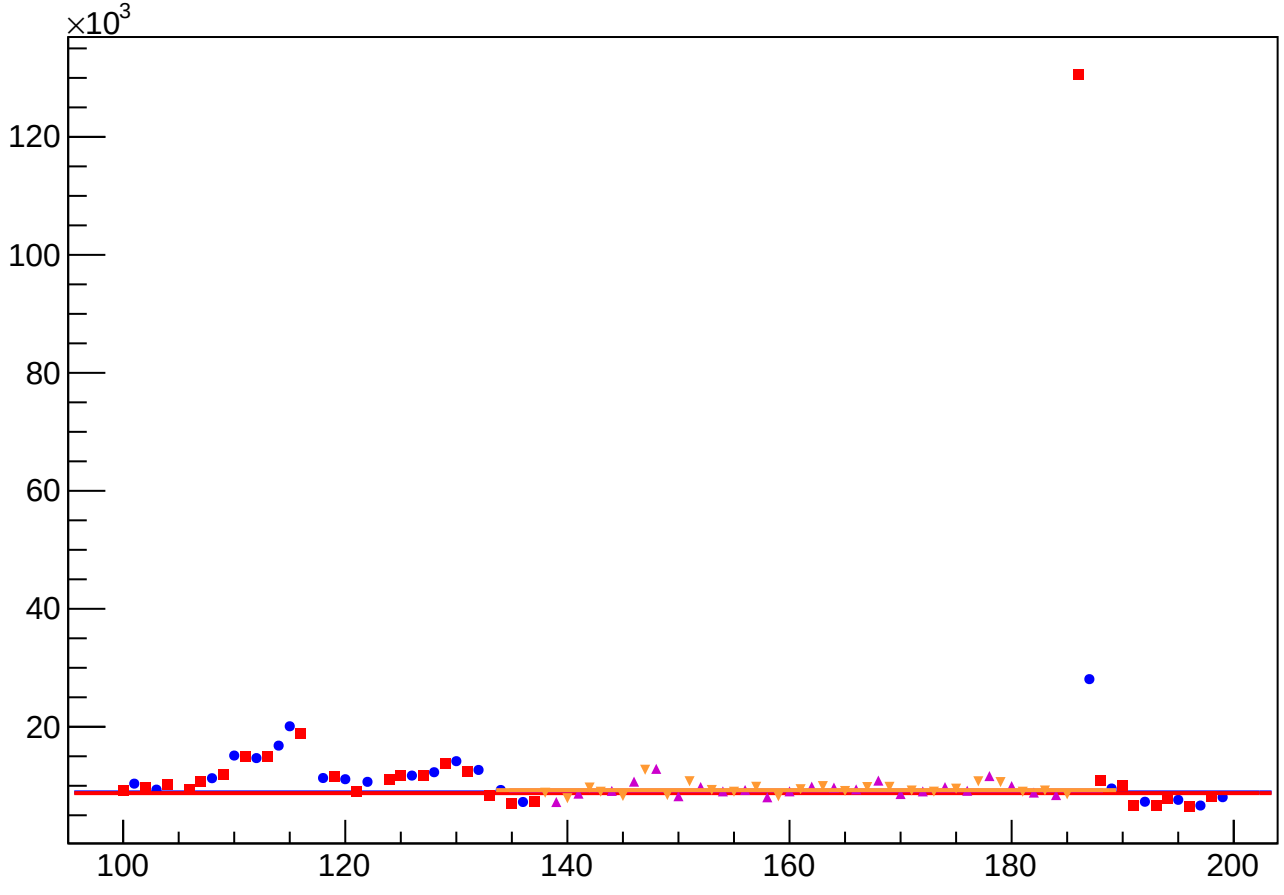
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.780+/-1.675 χ^2/NDF: 33.8/46

All: 2.499+/-1.180 χ^2/NDF: 91.5/96

- sign 2.222+/-1.663 χ^2/NDF: 57.7/49

diff_bpmtargetsumY_rms vs Slug



Right In: 8880.421+/-1.929 χ^2/NDF: 1544272.7/21

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8753.061+/-1.830 χ^2/NDF: 2259758.8/26

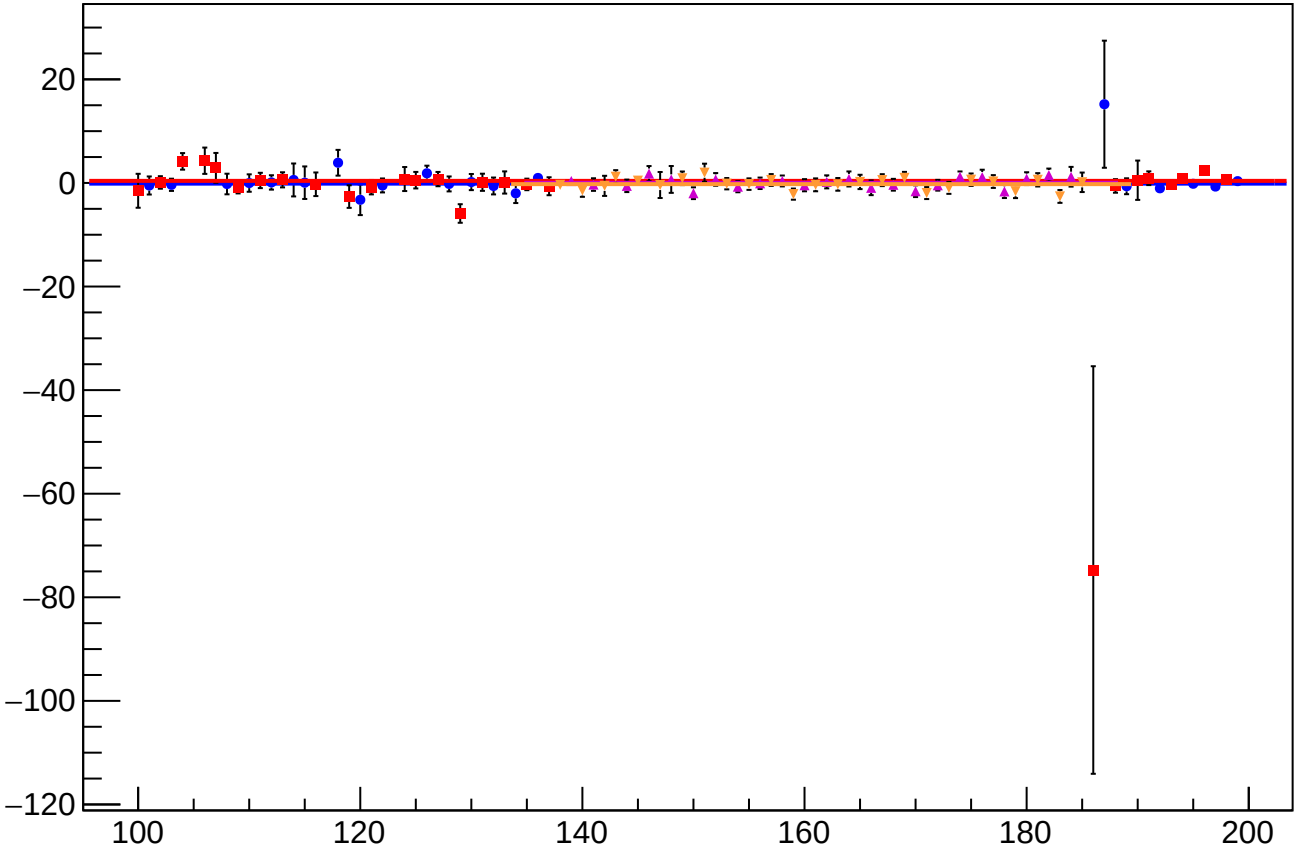
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9117.875+/-1.184 χ^2/NDF: 1934673.1/46

All: 9066.134+/-0.834 χ^2/NDF: 4748674.2/96

- sign 9015.116+/-1.176 χ^2/NDF: 2810209.5/49

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.132+/-0.272 χ^2/NDF: 12.6/21

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.401+/-0.261 χ^2/NDF: 37.7/26

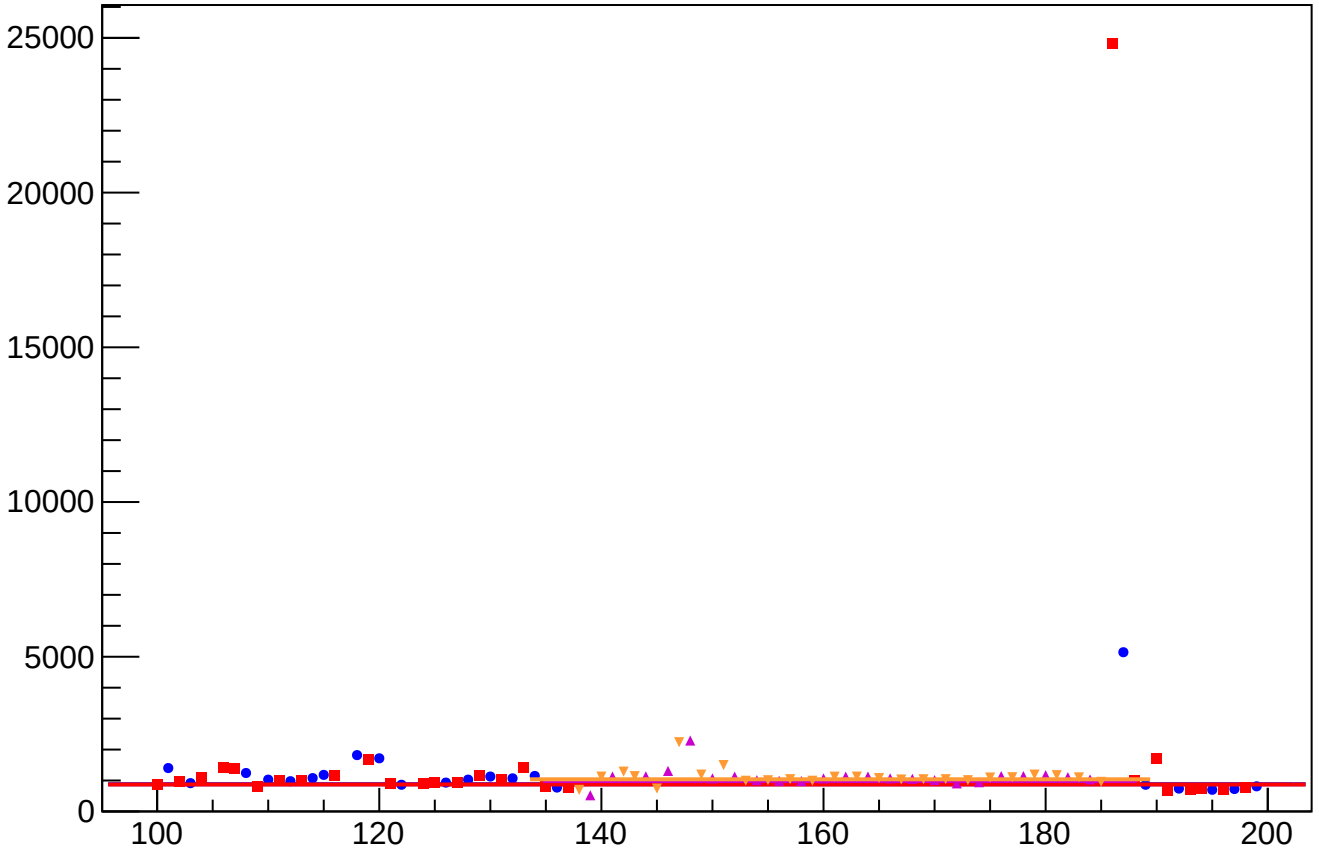
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.186+/-0.181 χ^2/NDF: 31.7/46

All: 0.011+/-0.126 χ^2/NDF: 88.0/96

- sign 0.196+/-0.176 χ^2/NDF: 54.1/49

diff_bpmtargetdiffY_rms vs Slug



Right In: 879.315+/-0.192 χ^2/NDF: 1435185.6/21

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

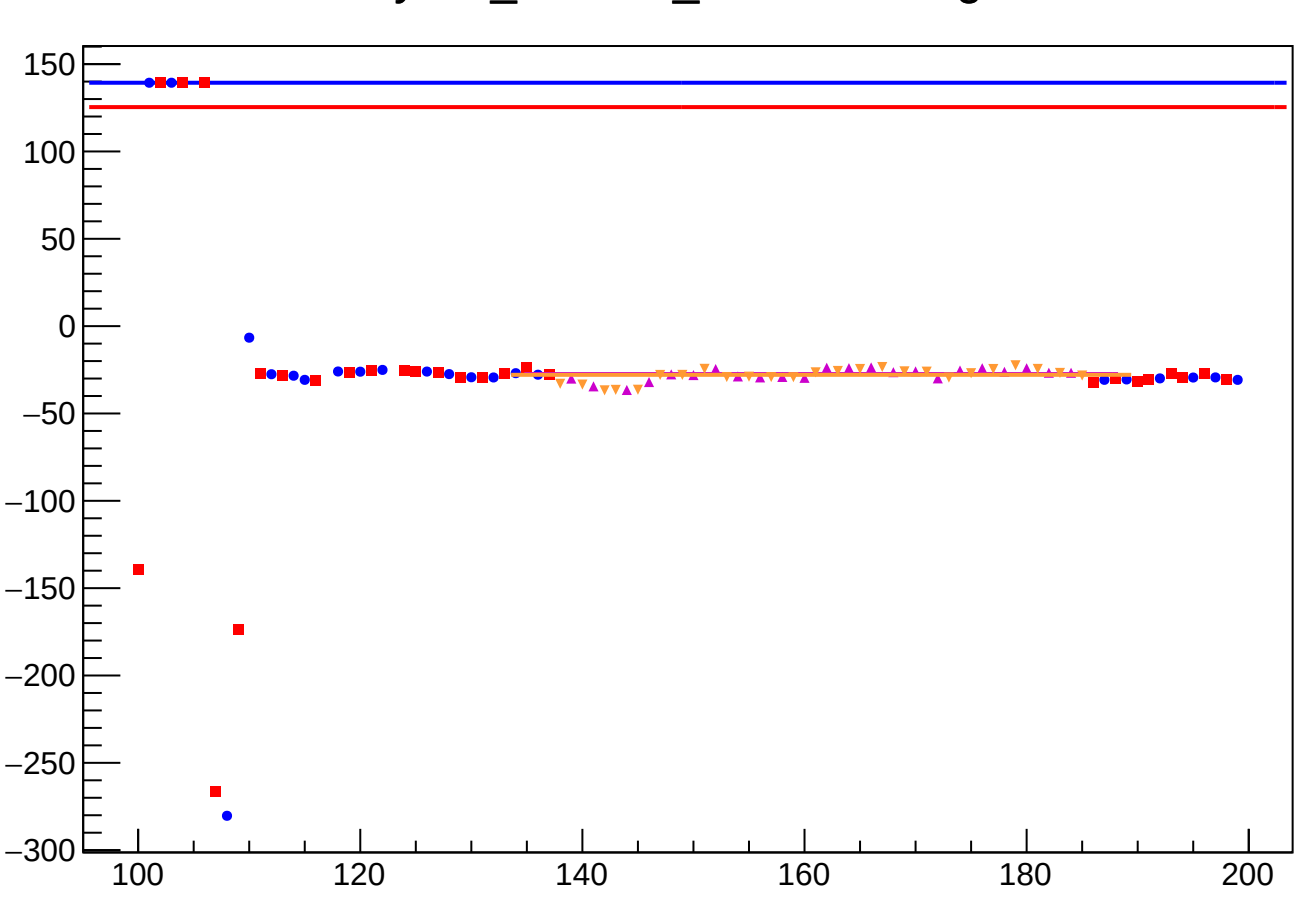
Right Out: 872.066+/-0.184 χ^2/NDF: 1935812.1/26

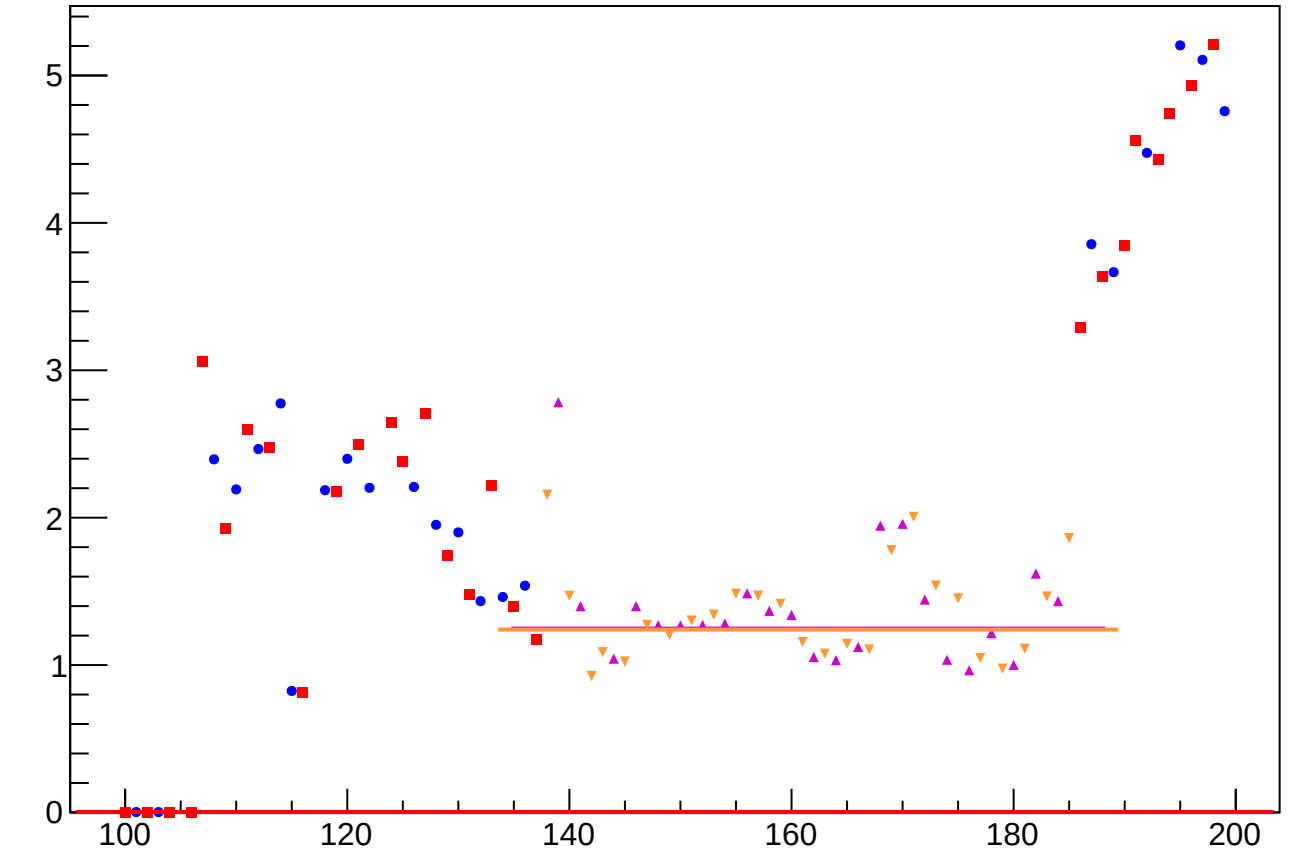
Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 968.102+/-0.128 χ^2/NDF: 3160404.5/46

All: 949.350+/-0.089 χ^2/NDF: 7554893.9/96

- sign 931.622+/-0.125 χ^2/NDF: 4352848.5/49


yield_cav4bX_mean vs Slug
150
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 139.337+/-0.000 χ²/NDF: 52803607466.3/21
Left Out: -27.865+/-0.000 χ²/NDF:181586557.6/24
Right Out: 125.392+/-0.000 χ²/NDF: 774179889565867.4/26
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
+ sign 139.327+/-0.000 χ²/NDF: 327346830026.2/4
All: 131.810+/-0.000 χ²/NDF: 79349997413
- sign 125.385+/-0.000 χ²/NDF: 774393542646054



Right In: 0.003+/-0.000 χ^2/NDF: 17950934.4/21

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

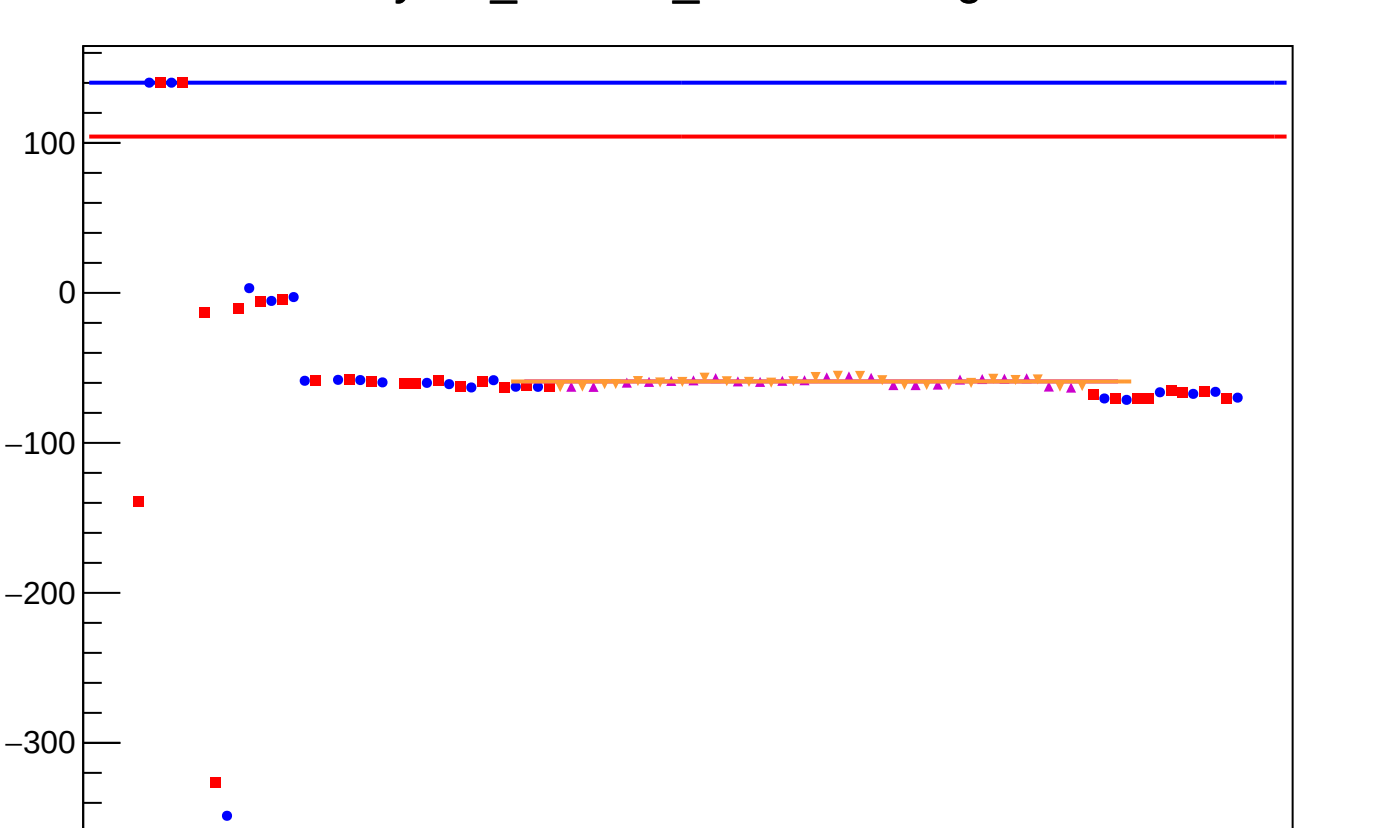
Right Out: 0.003+/-0.000 χ^2/NDF: 20056293.5/26

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 49249343.8/46

All: 0.003+/-0.000 χ^2/NDF: 99073125.6/96

- sign 0.003+/-0.000 χ^2/NDF: 49823412.6/49



Right In: 140.140+/-0.000 χ^2/NDF: 320207108672.2/21

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.221+/-0.000 χ^2/NDF: 1257514980315669.8/26

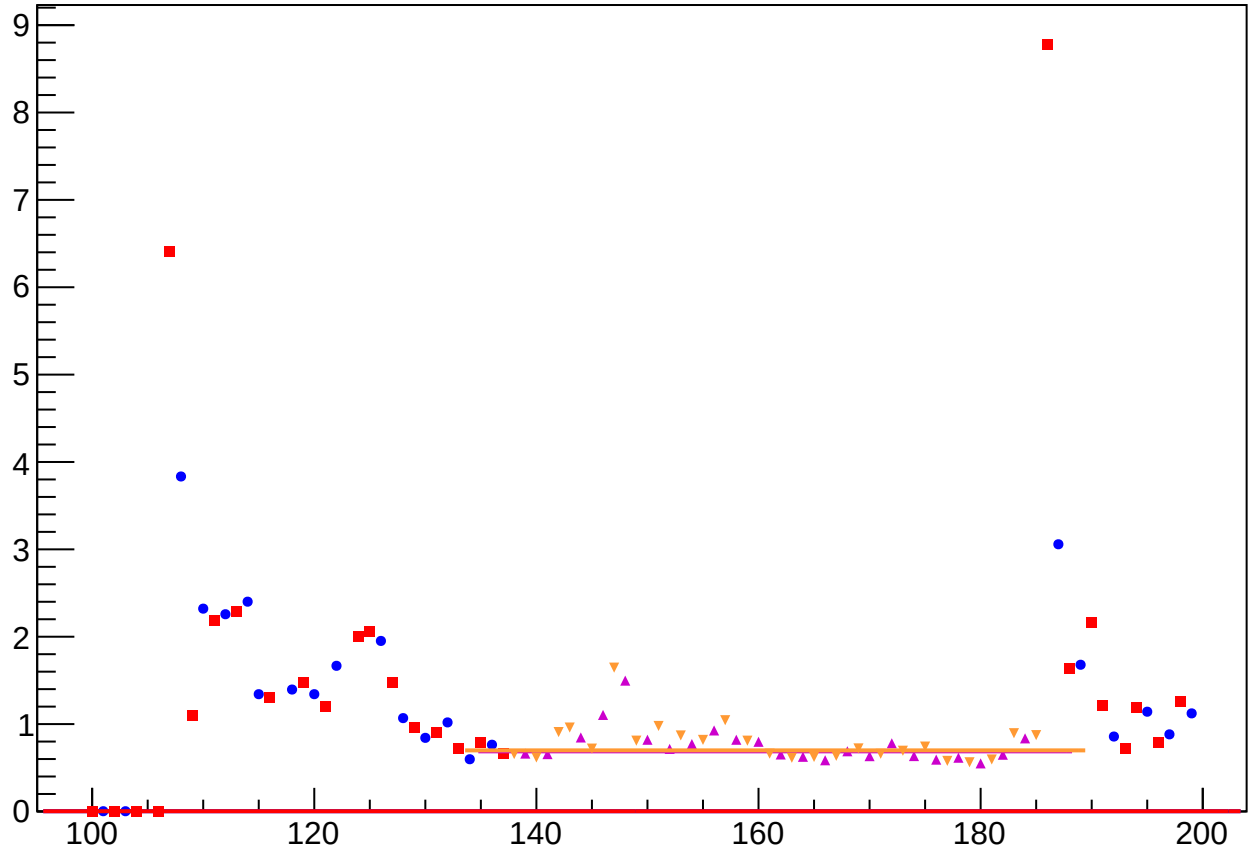
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.103+/-0.000 χ^2/NDF: 1617351500377.0

All: 120.798+/-0.000 χ^2/NDF: 13832391311

- sign 104.196+/-0.000 χ^2/NDF: 125837201171724

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 17347937.3/21

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

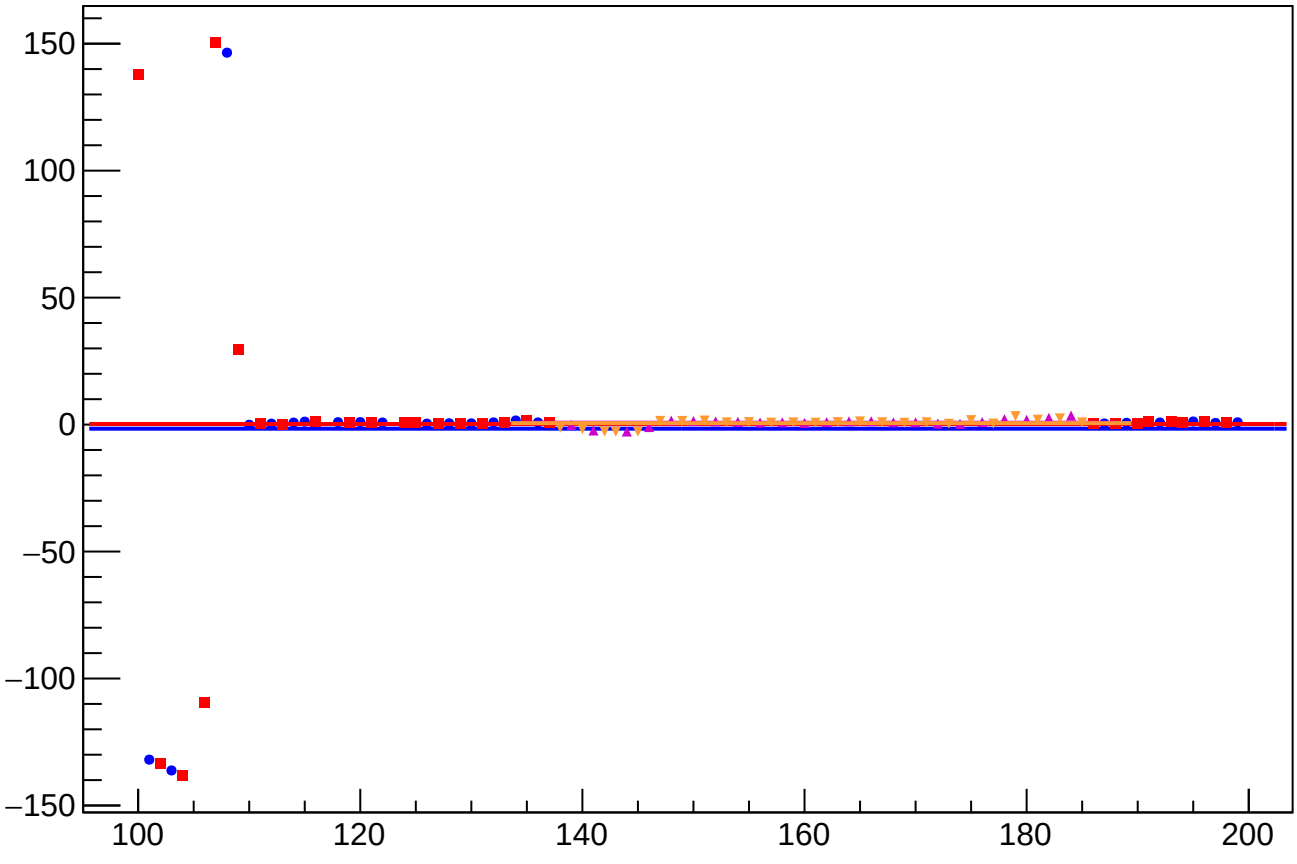
Right Out: 0.003+/-0.000 χ^2/NDF: 19340199.9/26

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 50400707.9/46

All: 0.003+/-0.000 χ^2/NDF: 101050379.8/96

- sign 0.003+/-0.000 χ^2/NDF: 50649127.6/49



Right In: -1.610+/-0.000 χ^2/NDF: 9896052138.4/21

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.237+/-0.000 χ^2/NDF: 3612072010.0/26

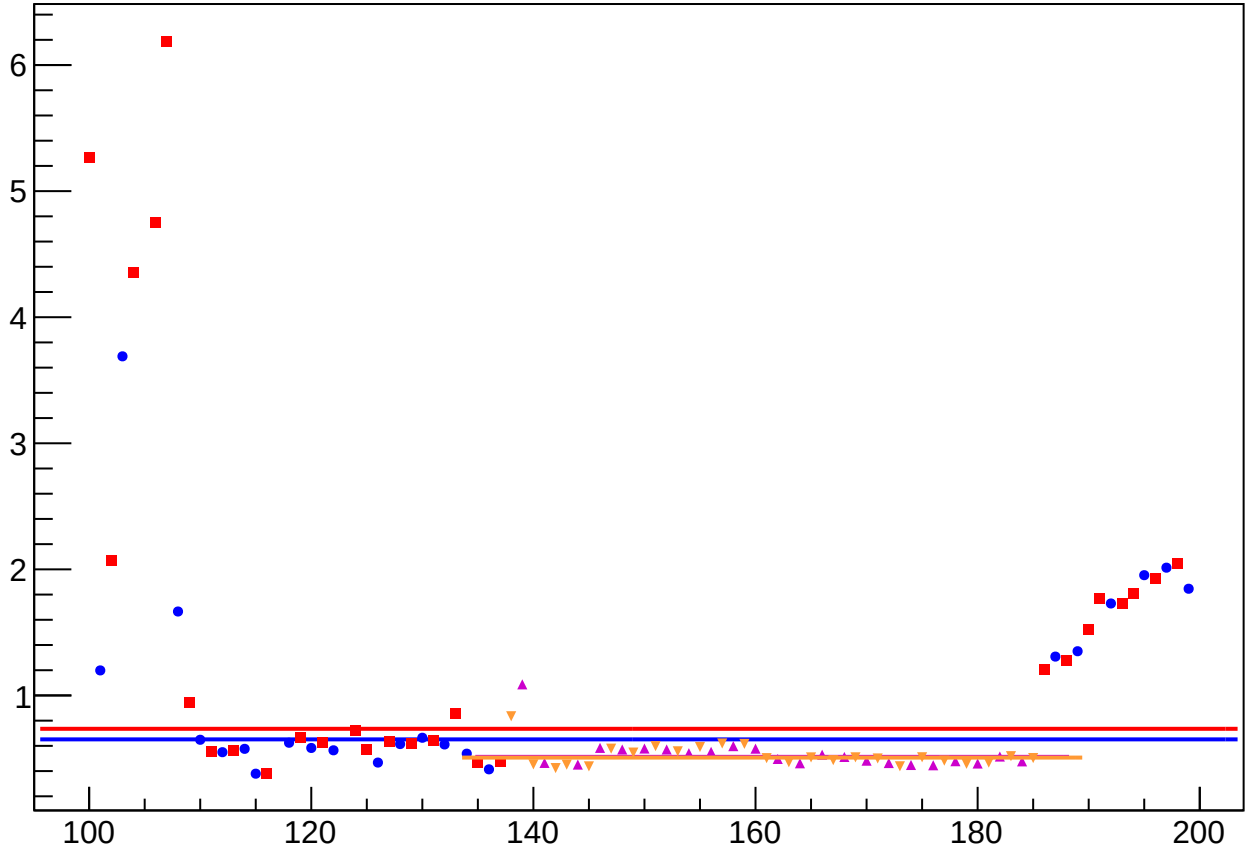
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.087+/-0.000 χ^2/NDF: 10115348674.8/46

All: 0.344+/-0.000 χ^2/NDF: 13846370079.1/9

- sign 0.626+/-0.000 χ^2/NDF: 3720163081.1/49

yield_cav4cX_rms vs Slug



Right In: 0.651+/-0.000 χ^2/NDF: 5215219.5/21

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.735+/-0.000 χ^2/NDF: 6124793.3/26

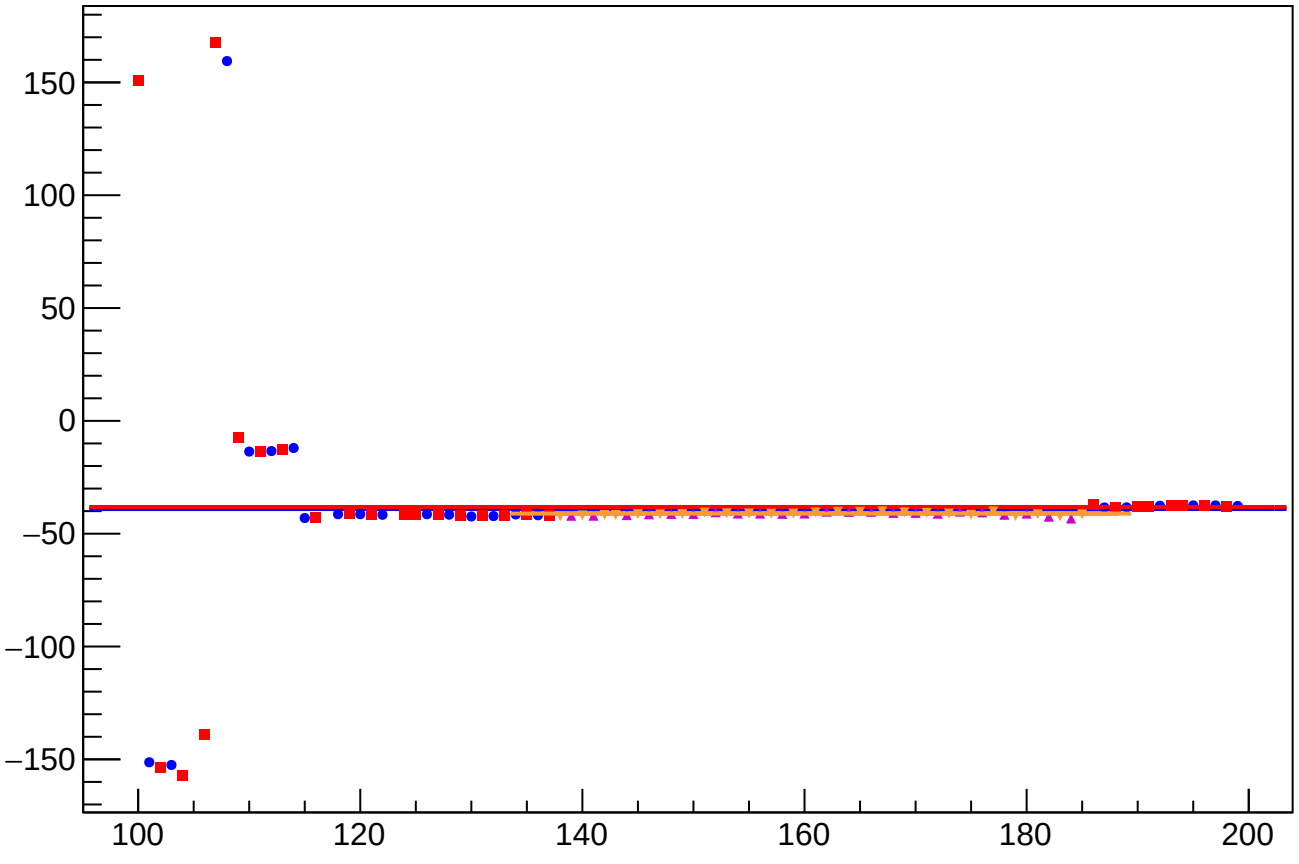
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.539+/-0.000 χ^2/NDF: 6337248.1/46

All: 0.550+/-0.000 χ^2/NDF: 14444088.3/96

- sign 0.561+/-0.000 χ^2/NDF: 8072598.1/49

yield_cav4cY_mean vs Slug



Right In: -39.076+/-0.000 χ^2/NDF: 3569247189.5/21

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.157+/-0.000 χ^2/NDF: 2507677066.5/26

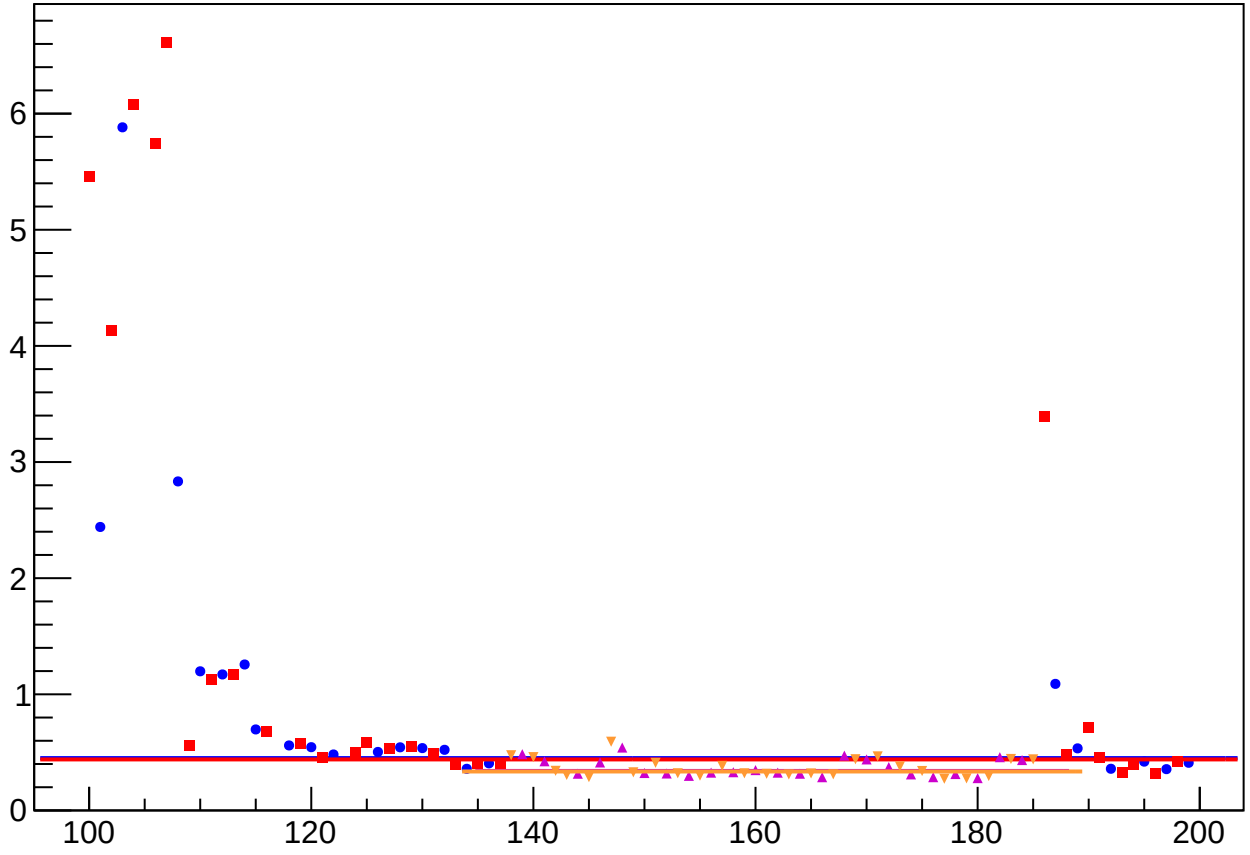
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.661+/-0.000 χ^2/NDF: 3766284297.1/46

All: -40.492+/-0.000 χ^2/NDF: 6633923235.4/

- sign -40.317+/-0.000 χ^2/NDF: 2855972588.7/49

yield_cav4cY_rms vs Slug



Right In: 0.451+/-0.000 χ^2/NDF: 3533059.5/21

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

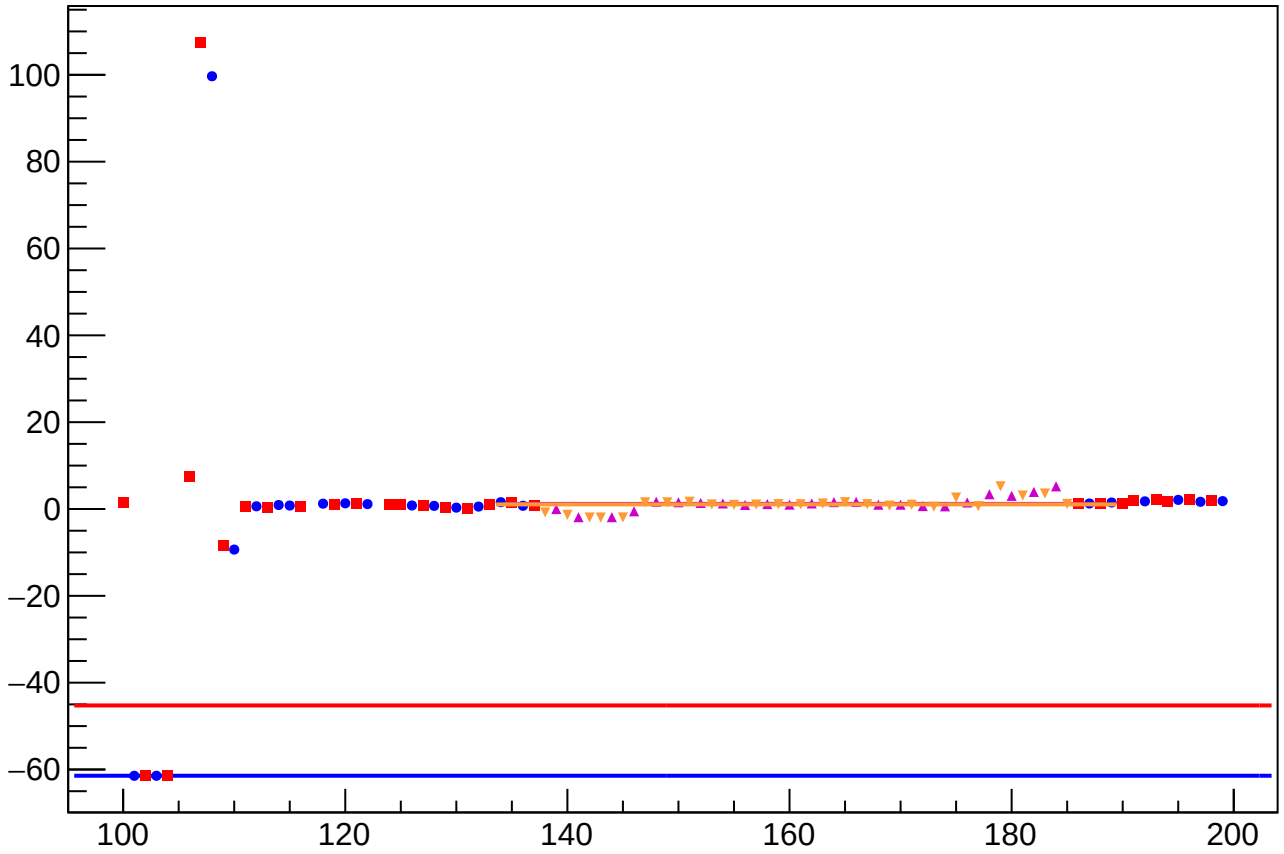
Right Out: 0.439+/-0.000 χ^2/NDF: 4606623.5/26

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.360+/-0.000 χ^2/NDF: 5664445.4/46

All: 0.362+/-0.000 χ^2/NDF: 12048083.0/96

- sign 0.365+/-0.000 χ^2/NDF: 6379541.3/49



Right In: -61.436+/-0.000 χ^2/NDF: 280733167298.2/21

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357876023777373.8/26

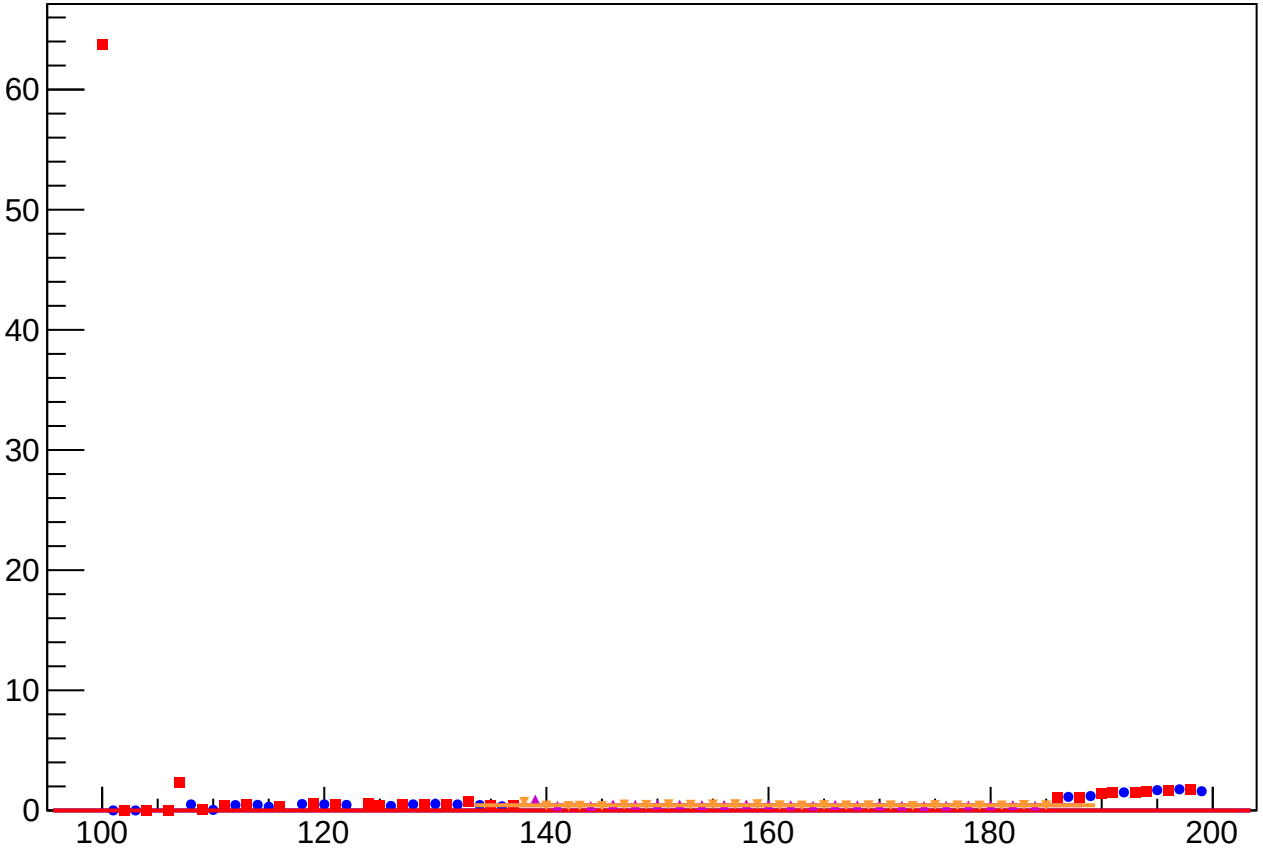
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 610738481938.3/4

All: -52.738+/-0.000 χ^2/NDF: 409604378193

- sign -45.236+/-0.000 χ^2/NDF: 358042588622526.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 17512961.4/21

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

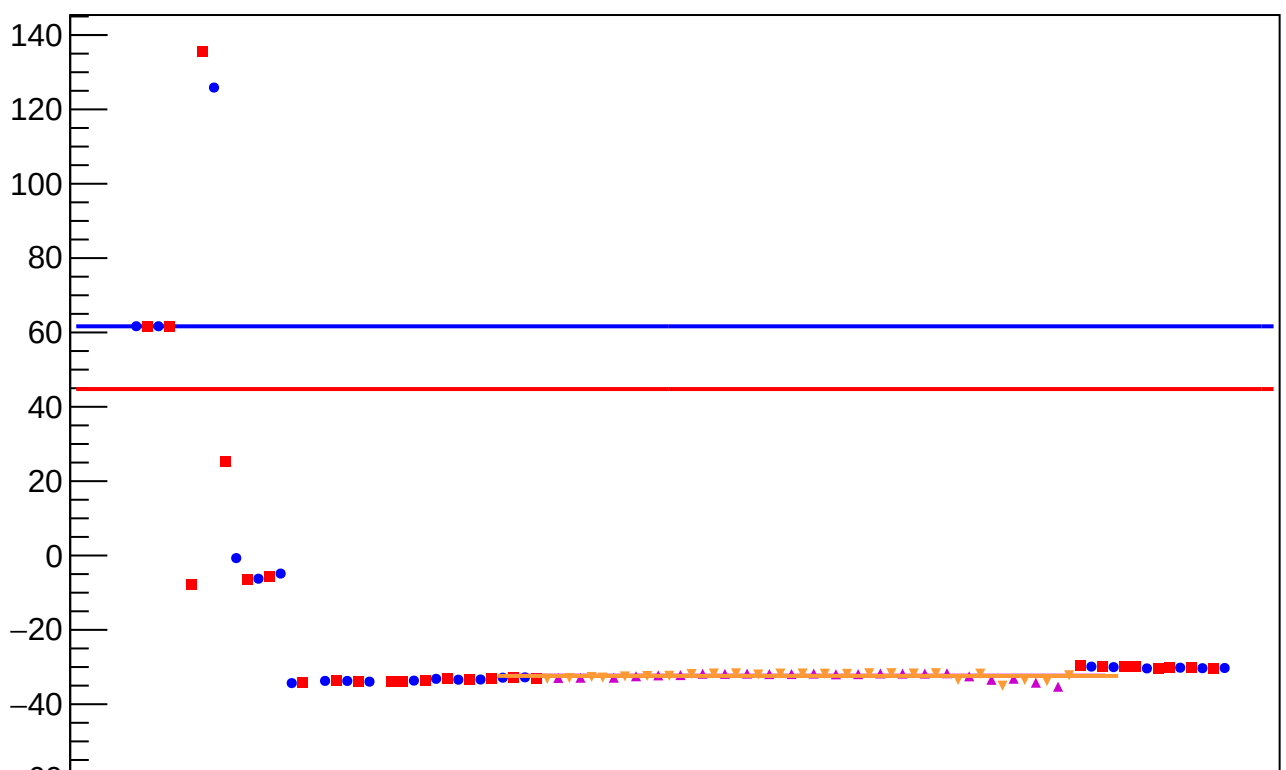
Right Out: 0.001+/-0.000 χ^2/NDF: 19663620.1/26

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 49277628.5/46

All: 0.002+/-0.000 χ^2/NDF: 99083606.0/96

- sign 0.002+/-0.000 χ^2/NDF: 49805803.0/49



Right In: 61.652+/-0.000 χ^2/NDF: 676126942584.6/21

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.777+/-0.000 χ^2/NDF: 366328659890193.5/26

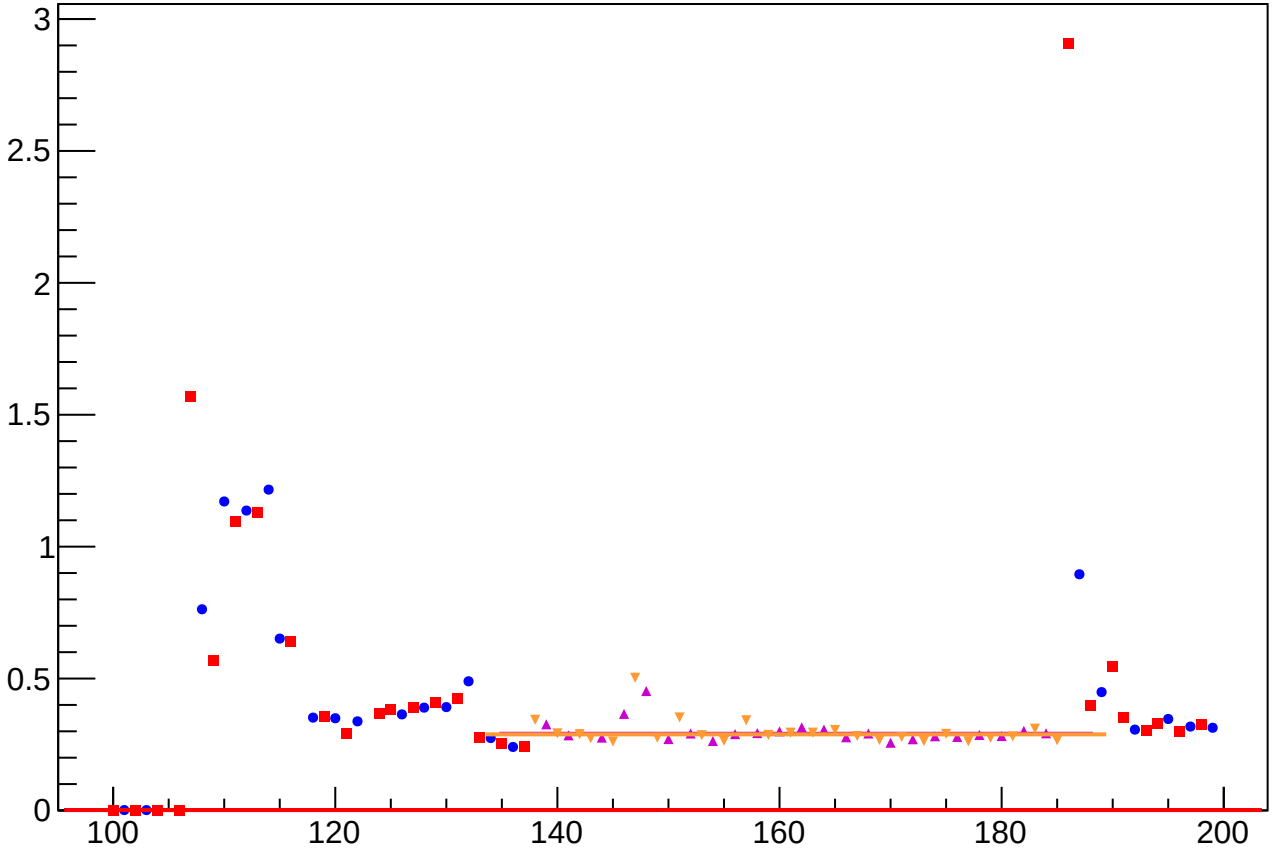
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.590+/-0.000 χ^2/NDF: 2633848721888.0/4

All: 52.629+/-0.000 χ^2/NDF: 421197650833

- sign 44.736+/-0.000 χ^2/NDF: 367556217039933.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 19160364.2/21

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 20656833.1/26

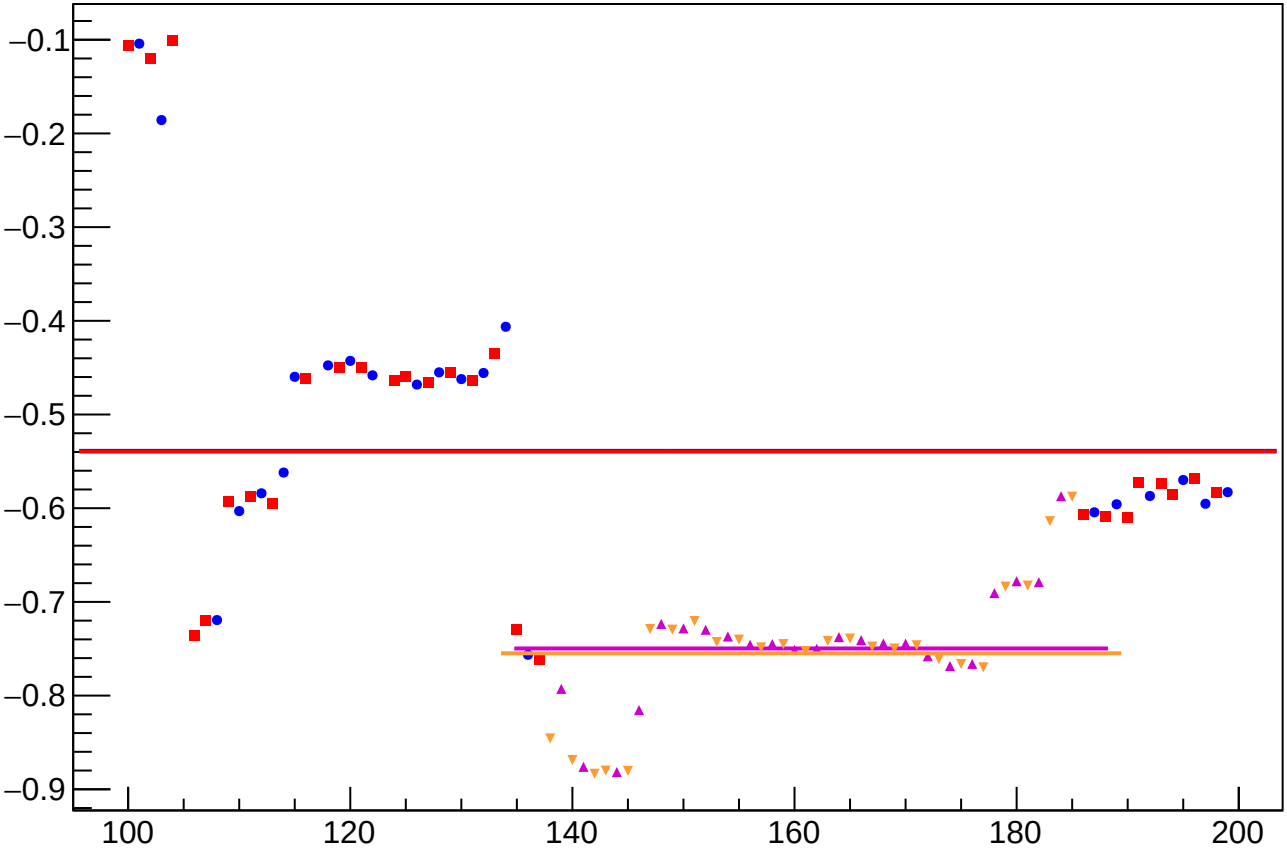
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 56114709.7/46

All: 0.002+/-0.000 χ^2/NDF: 111671308.4/96

- sign 0.002+/-0.000 χ^2/NDF: 55556541.3/49

yield_bpm4aX_mean vs Slug



Right In: -0.539+/-0.000 χ^2/NDF: 303287831.5/21

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.539+/-0.000 χ^2/NDF: 218825050.5/26

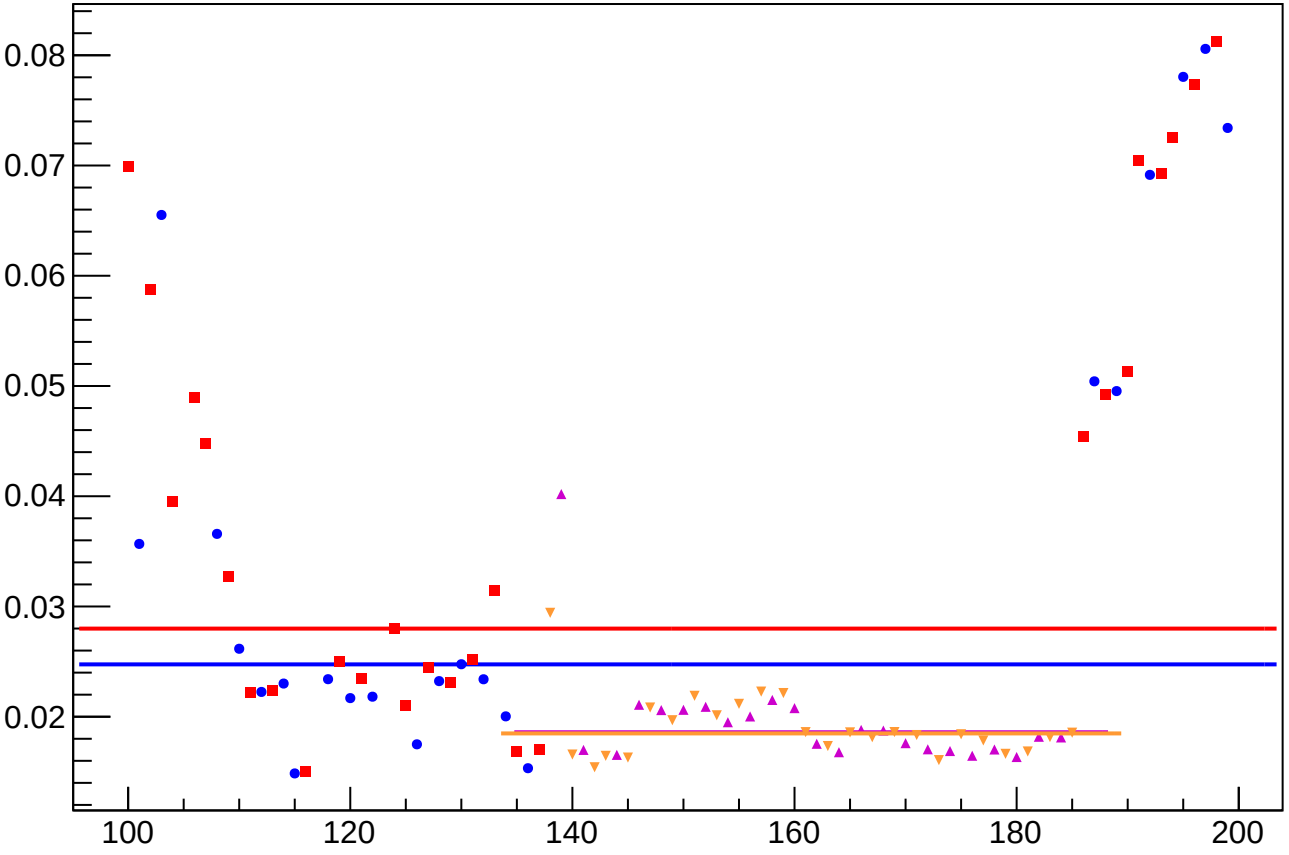
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.708+/-0.000 χ^2/NDF: 974927968.0/46

All: -0.707+/-0.000 χ^2/NDF: 1729770883.7/9

- sign -0.705+/-0.000 χ^2/NDF: 754604888.0/49

yield_bpm4aX_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF: 4887494.2/21

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.028+/-0.000 χ^2/NDF: 5015352.9/26

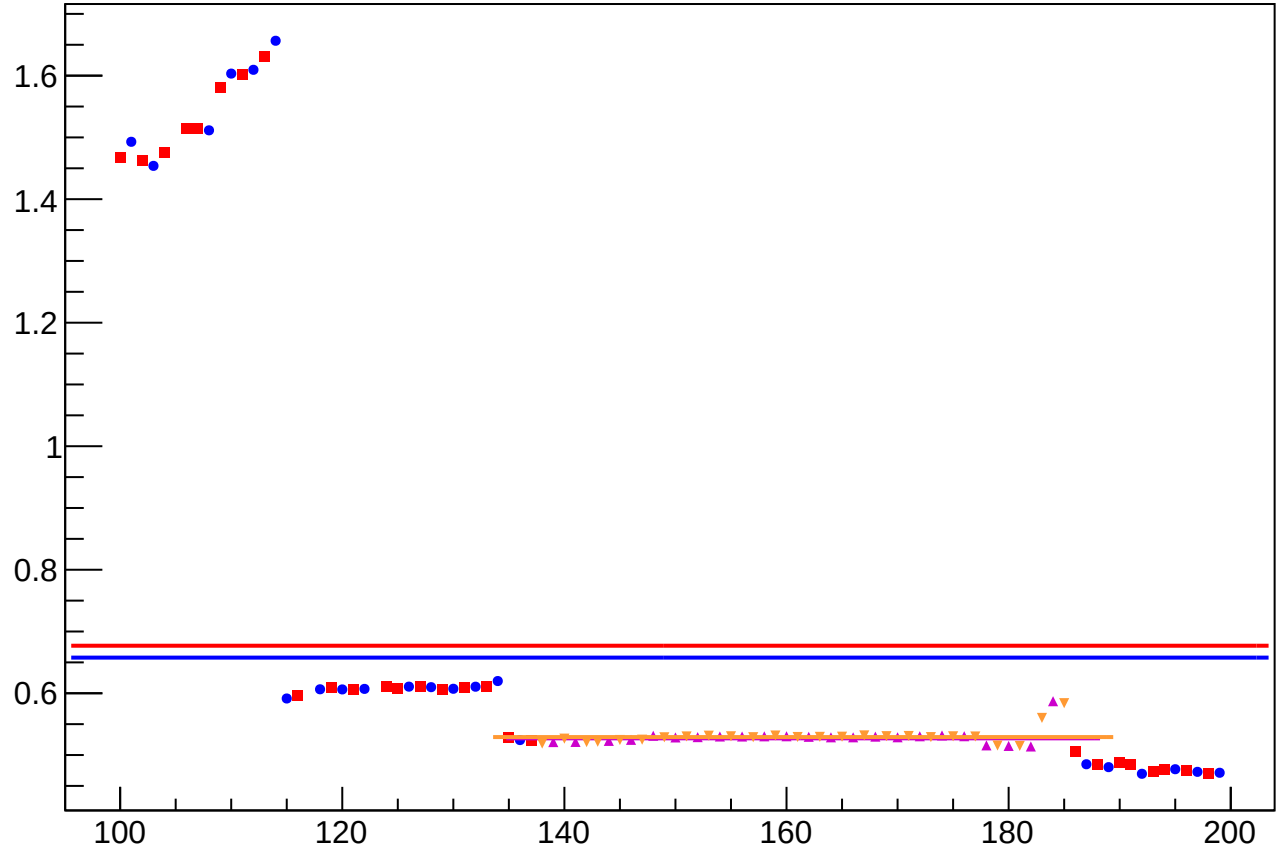
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 6150608.5/46

All: 0.020+/-0.000 χ^2/NDF: 13514364.3/96

- sign 0.021+/-0.000 χ^2/NDF: 7333162.2/49

yield_bpm4aY_mean vs Slug



Right In: 0.658+/-0.000 χ^2/NDF: 5214568196.3/21

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.677+/-0.000 χ^2/NDF: 6082551777.4/26

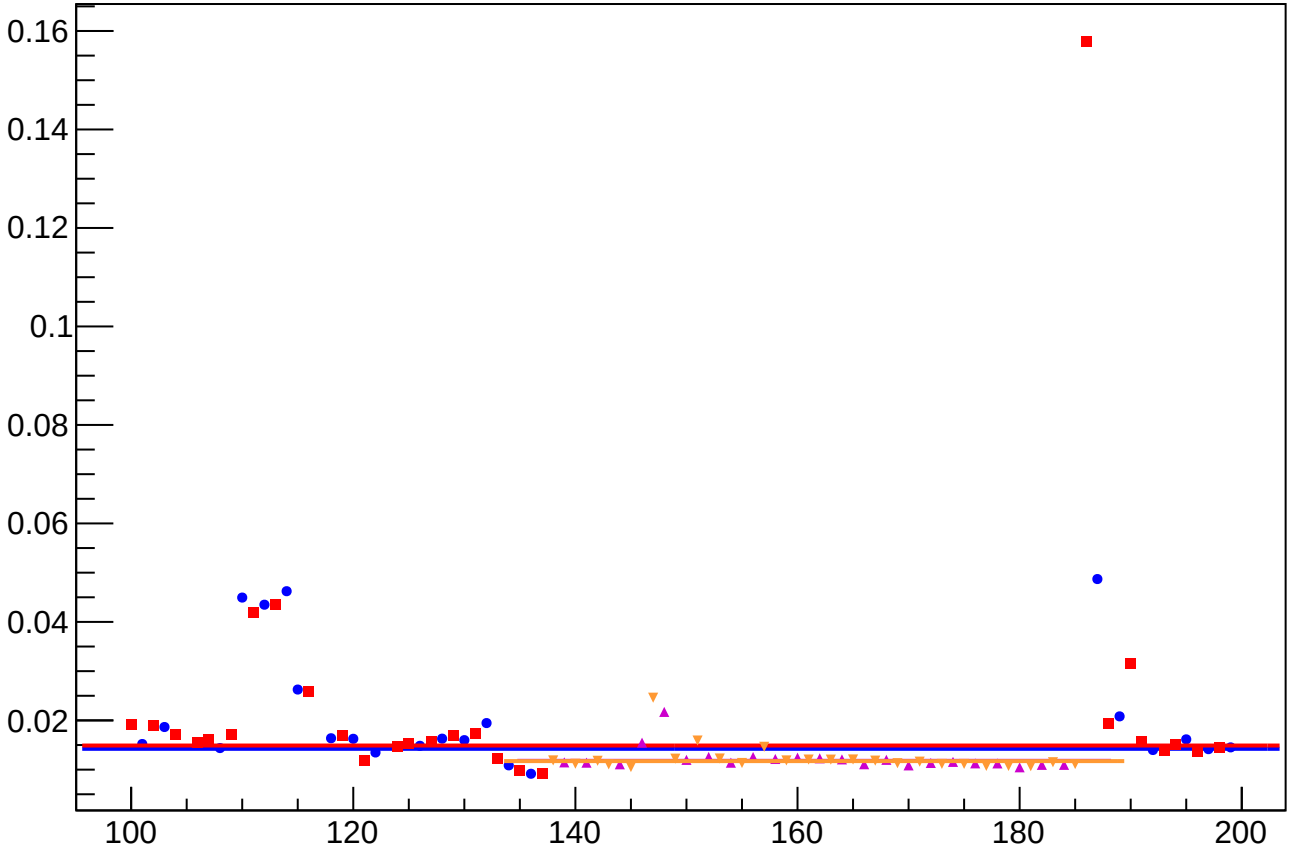
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.563+/-0.000 χ^2/NDF: 5823106862.6/46

All: 0.566+/-0.000 χ^2/NDF: 12714138593.1/9

- 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: 1959227.9/21

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2378070.9/26

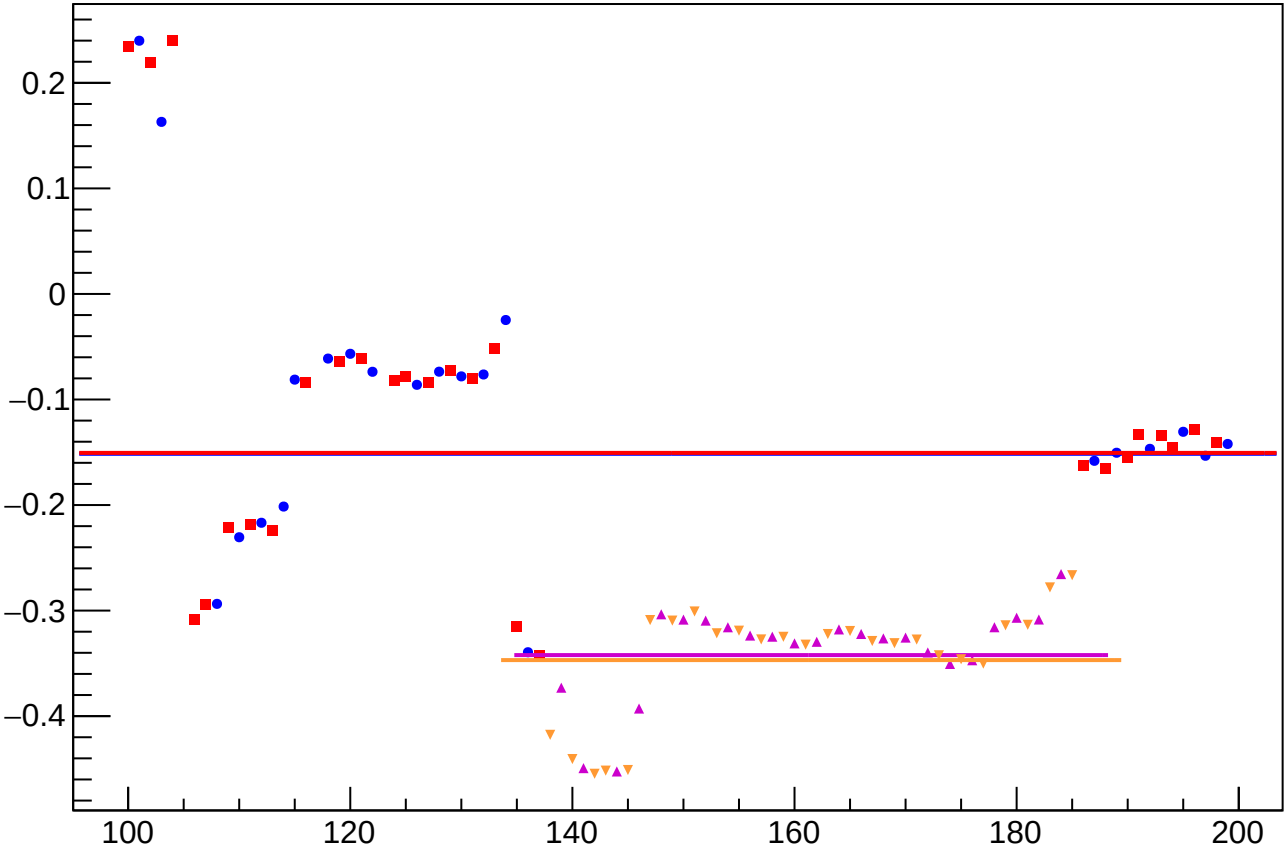
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 3104763.1/46

All: 0.013+/-0.000 χ^2/NDF: 6695091.2/96

- sign 0.013+/-0.000 χ^2/NDF: 3578309.4/49

yield_bpm4eX_mean vs Slug



Right In: -0.151+/-0.000 χ^2/NDF: 276881882.4/21

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199665230.7/26

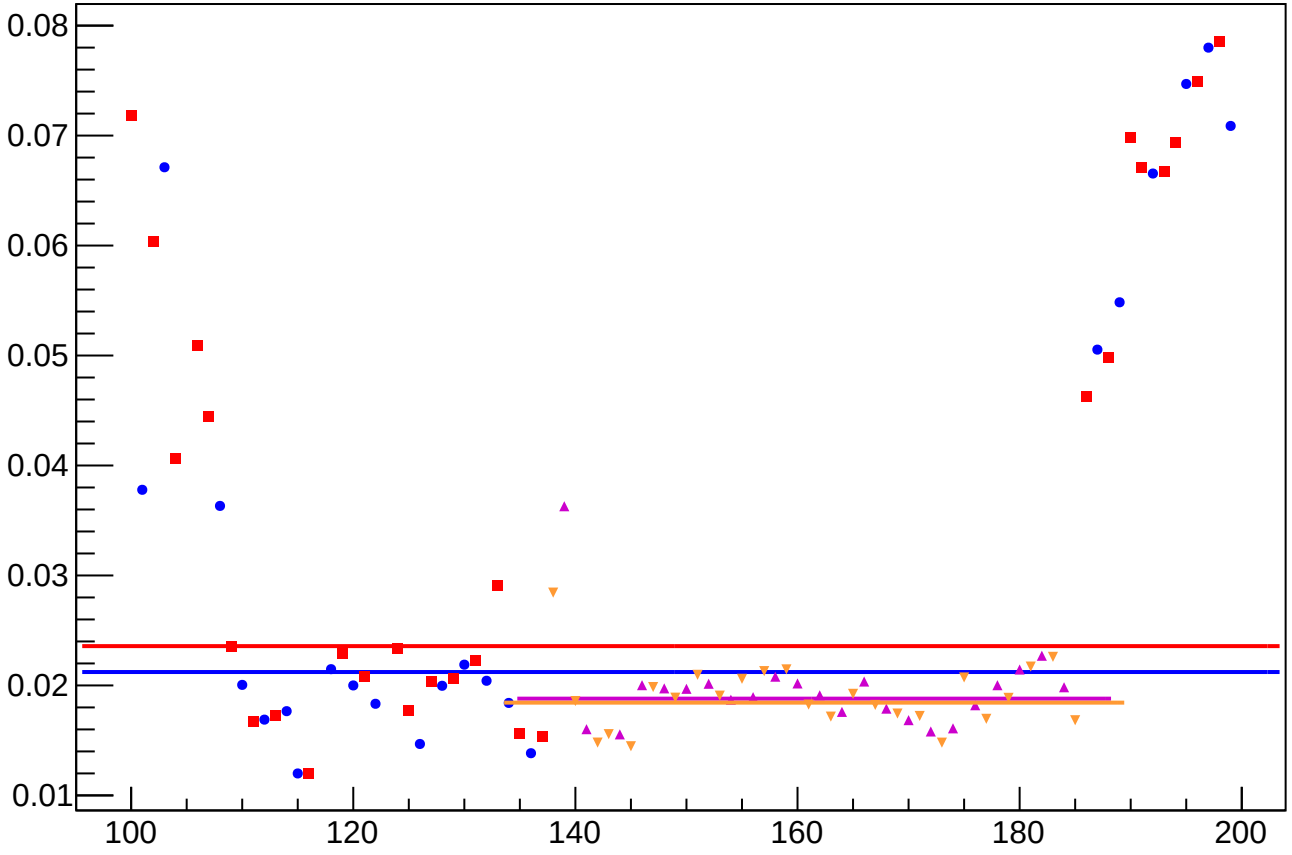
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.296+/-0.000 χ^2/NDF: 864827912.2/46

All: -0.294+/-0.000 χ^2/NDF: 1560327978.5/9

- 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: 5590995.3/21

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.024+/-0.000 χ^2/NDF: 6094604.8/26

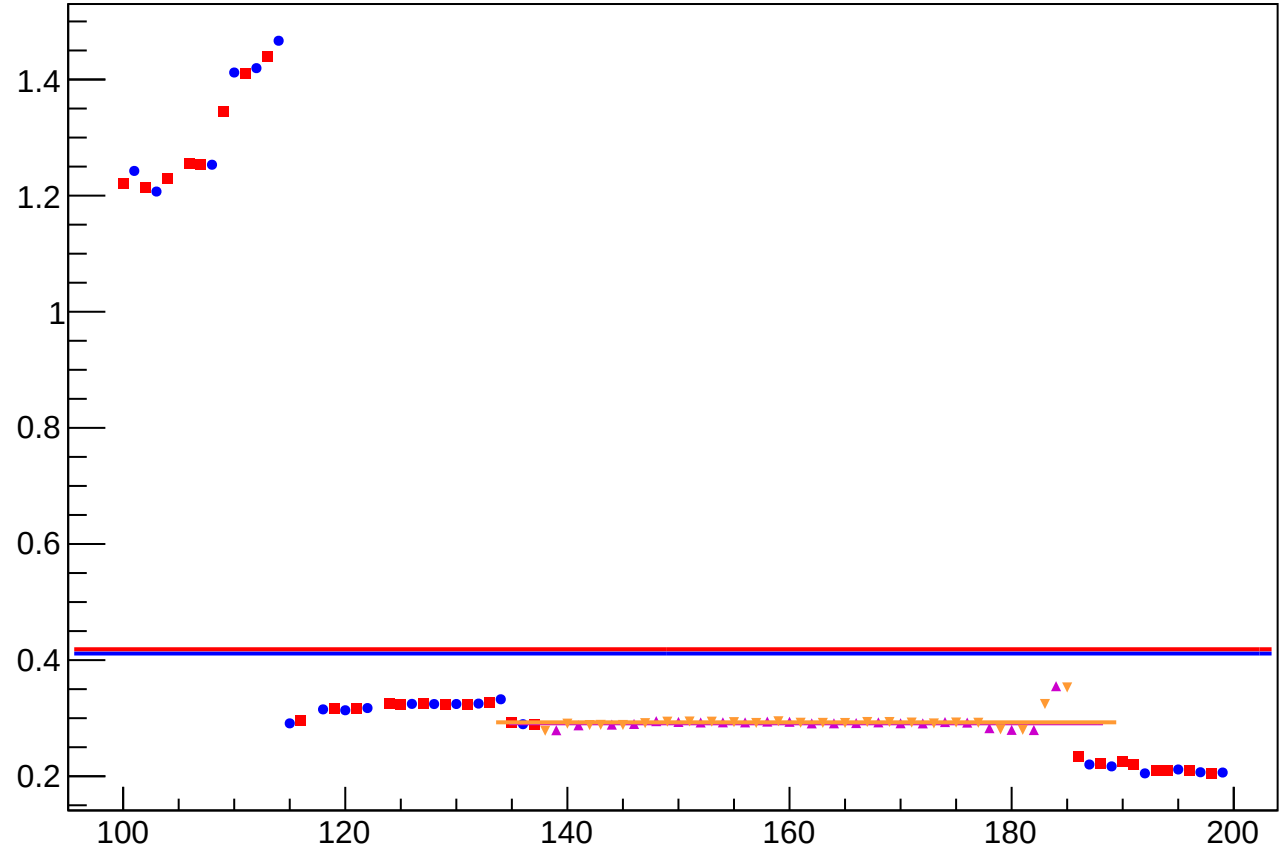
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 6418405.2/46

All: 0.020+/-0.000 χ^2/NDF: 13785435.2/96

- sign 0.020+/-0.000 χ^2/NDF: 7319570.2/49

yield_bpm4eY_mean vs Slug



Right In: 0.411+/-0.000 χ^2/NDF: 7713025919.1/21

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.419+/-0.000 χ^2/NDF: 8616975052.5/26

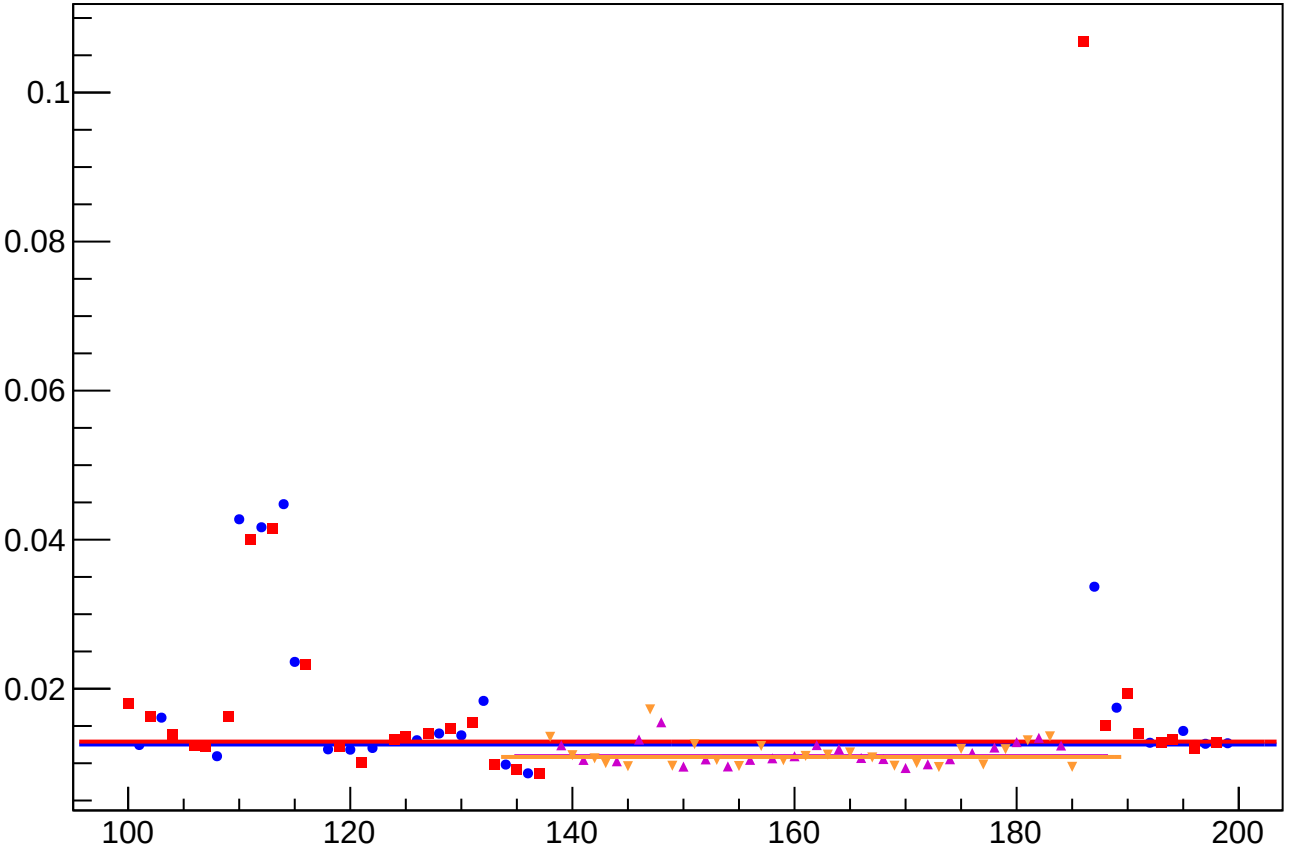
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.327+/-0.000 χ^2/NDF: 8363462526.8/46

All: 0.329+/-0.000 χ^2/NDF: 17723089074.3/9

- 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: 1763088.0/21

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

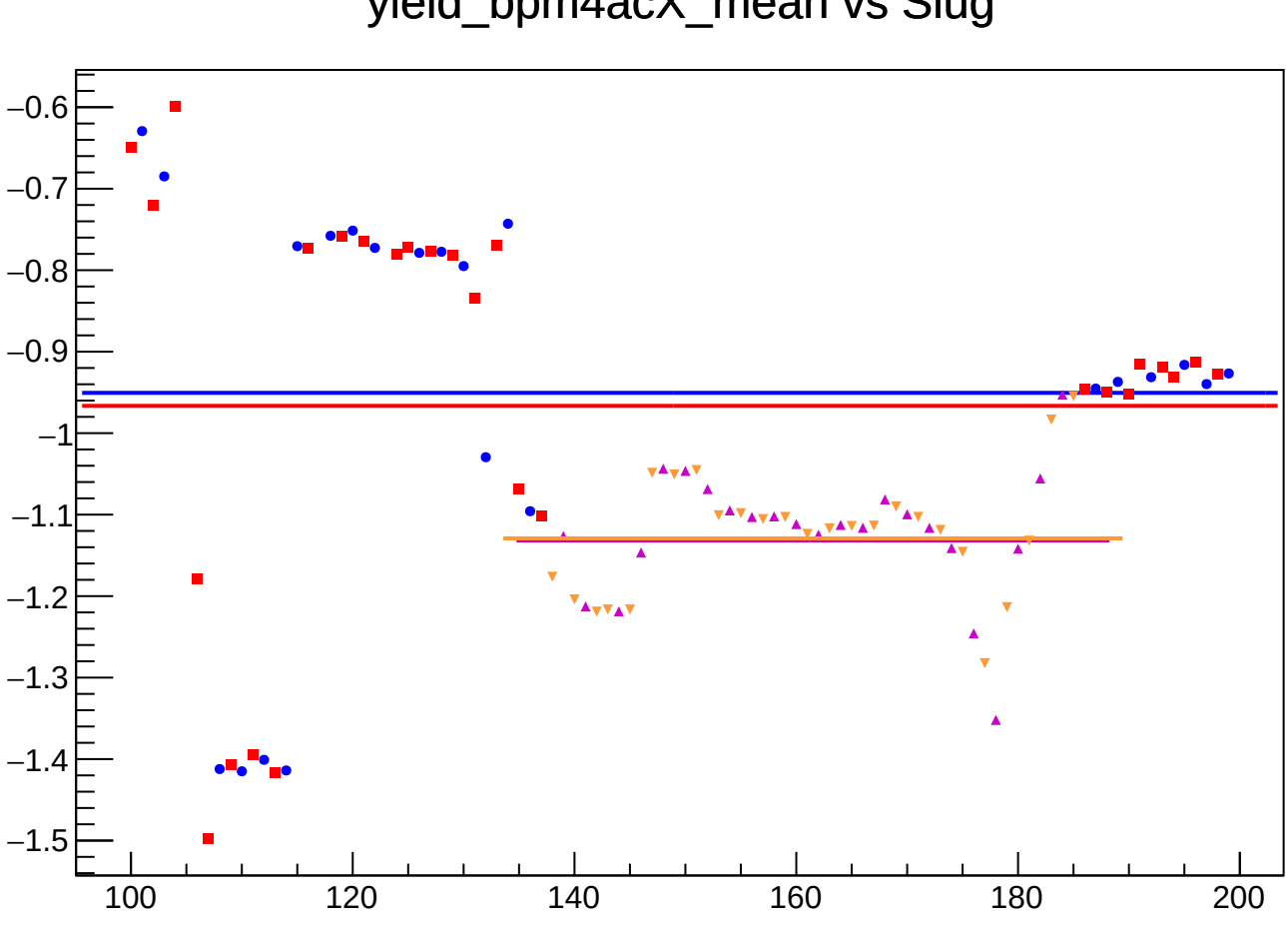
Right Out: 0.013+/-0.000 χ^2/NDF: 2158243.9/26

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2669952.7/46

All: 0.011+/-0.000 χ^2/NDF: 5693134.7/96

- sign 0.012+/-0.000 χ^2/NDF: 3011595.5/49



Right In: -0.951+/-0.000 χ^2/NDF: 699896318.0/21

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.967+/-0.000 χ^2/NDF: 716253572.3/26

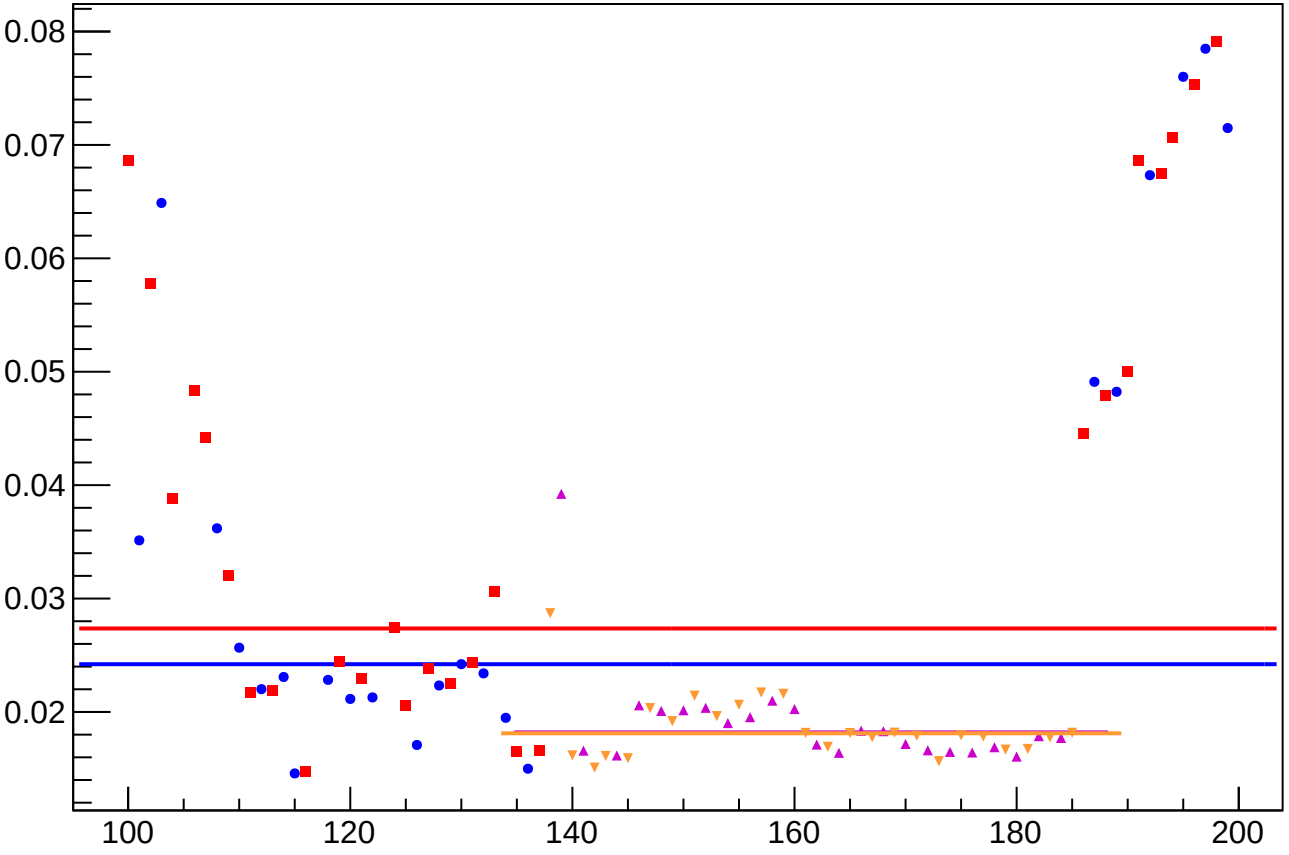
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.091+/-0.000 χ^2/NDF: 1265307156.3/46

All: -1.094+/-0.000 χ^2/NDF: 2497466885.9/9

- 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: 4884102.7/21

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.027+/-0.000 χ^2/NDF: 5005123.7/26

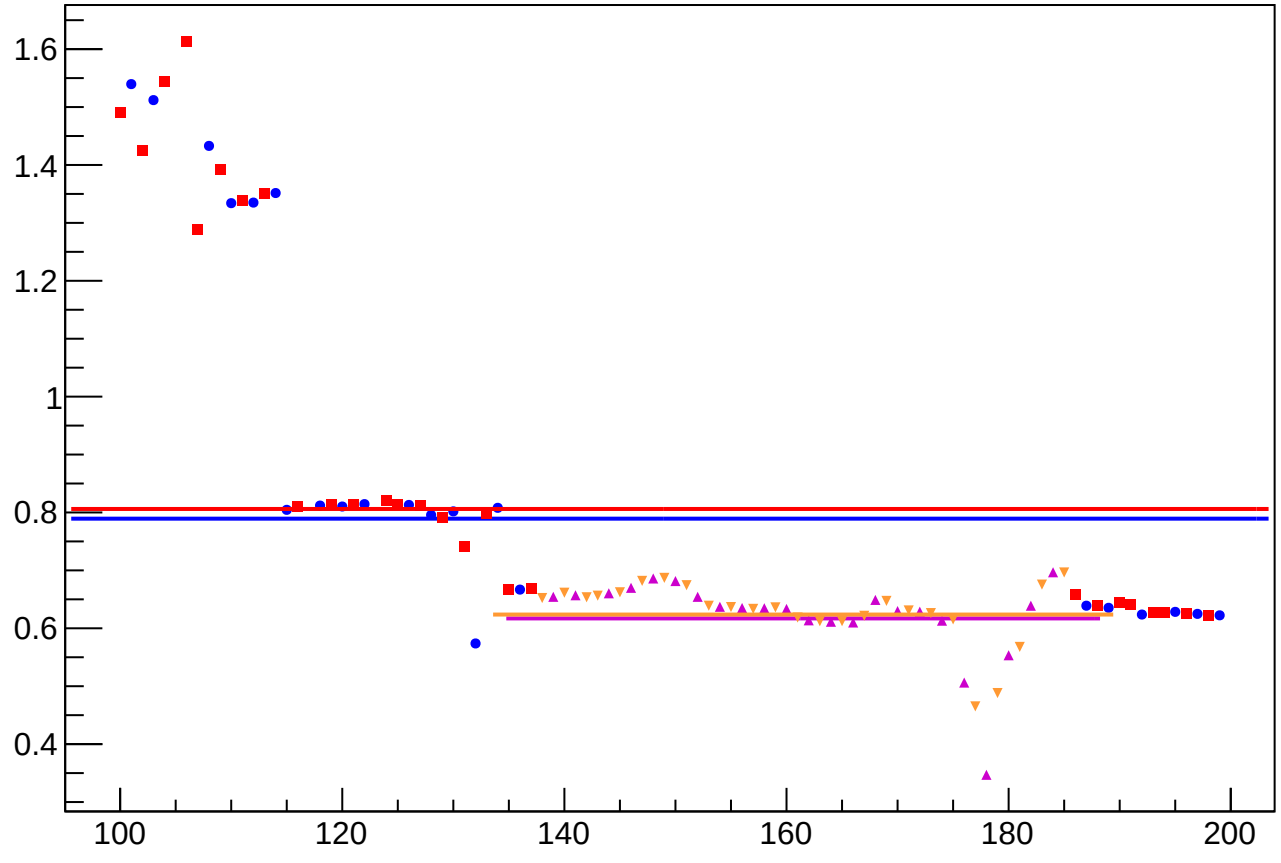
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 6119938.9/46

All: 0.020+/-0.000 χ^2/NDF: 13444509.5/96

- sign 0.020+/-0.000 χ^2/NDF: 7296412.5/49

yield_bpm4acY_mean vs Slug



Right In: 0.789+/-0.000 χ^2/NDF: 3520103969.1/21

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.806+/-0.000 χ^2/NDF: 3808479767.9/26

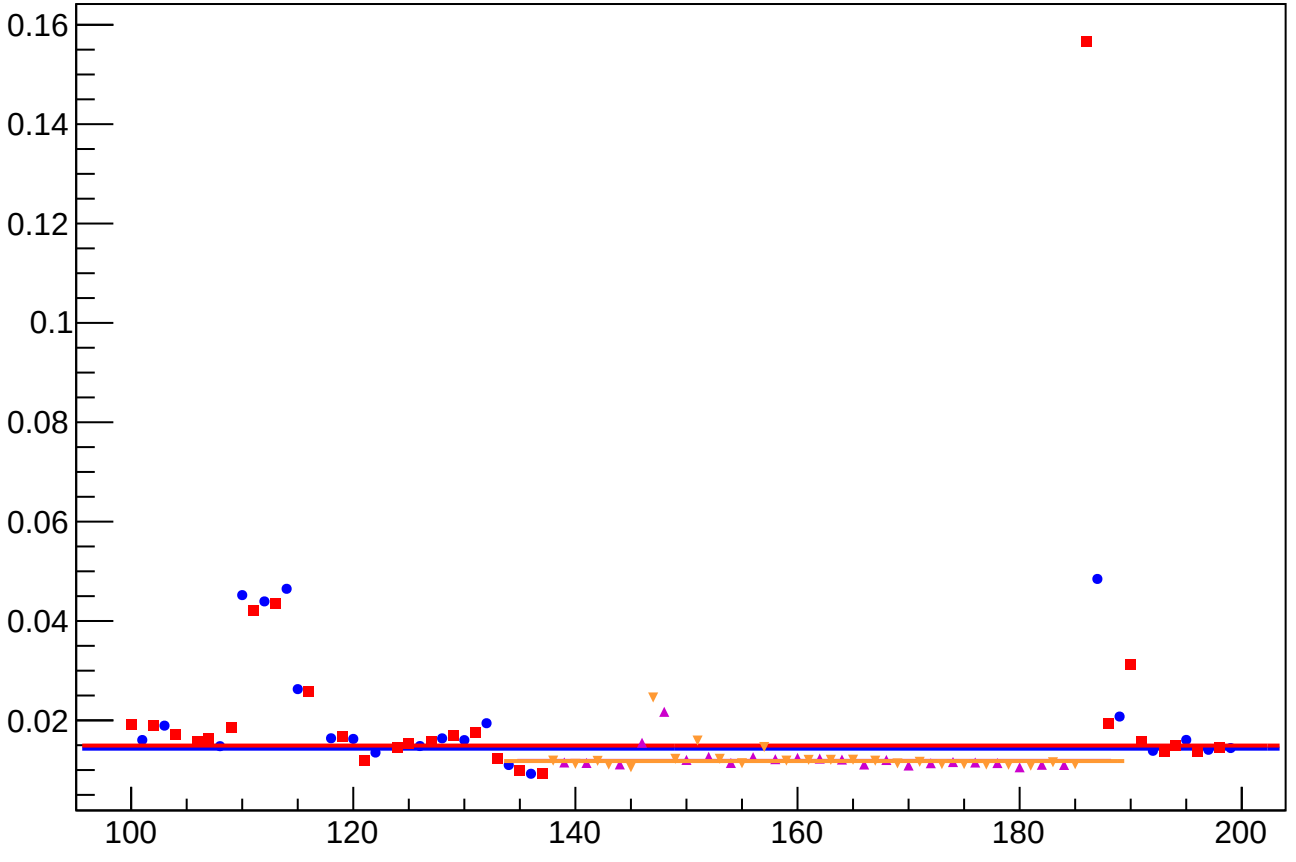
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.668+/-0.000 χ^2/NDF: 4889352260.4/46

All: 0.669+/-0.000 χ^2/NDF: 10593642046.3/9

- 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: 1944505.1/21

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2383216.7/26

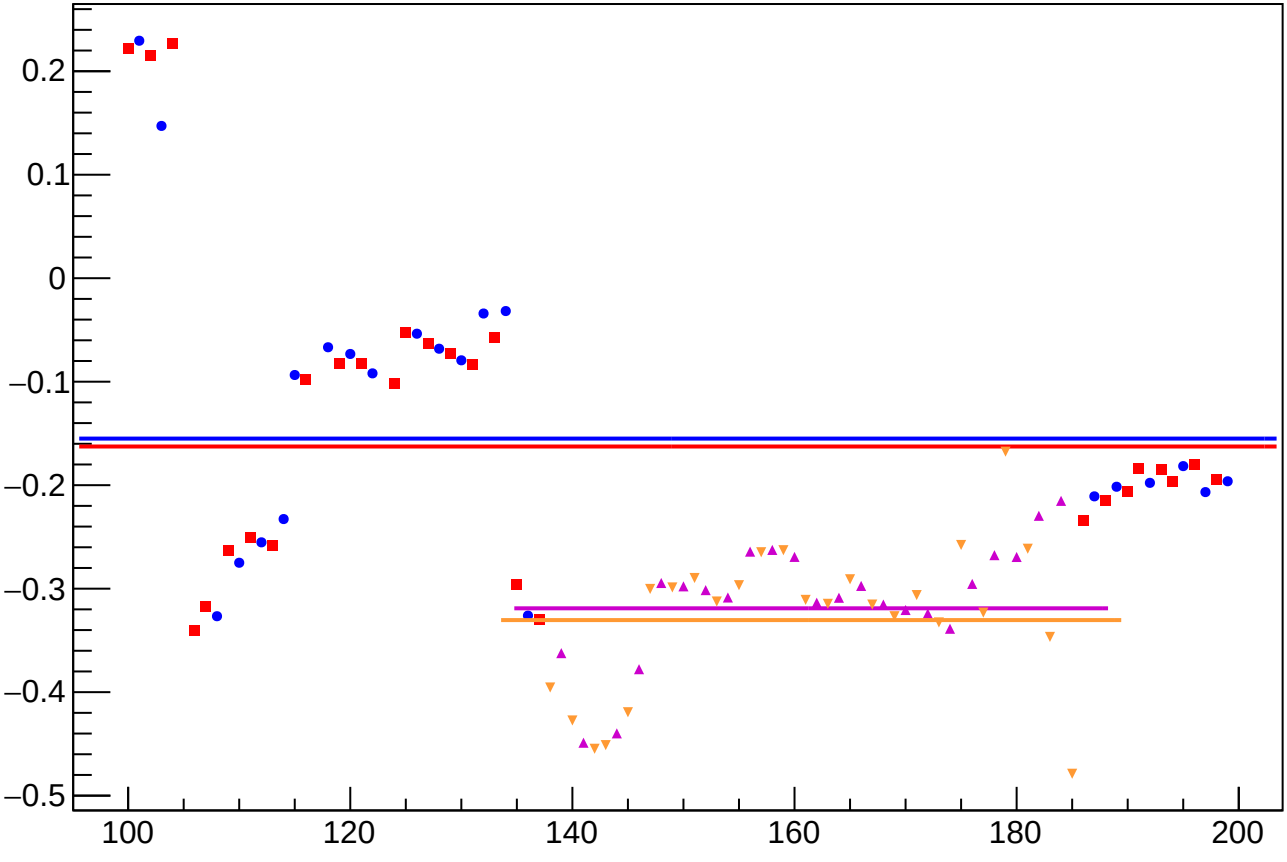
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3058068.3/46

All: 0.013+/-0.000 χ^2/NDF: 6623776.6/96

- sign 0.013+/-0.000 χ^2/NDF: 3555947.4/49

yield_bpm4ecX_mean vs Slug



Right In: -0.155+/-0.000 χ^2/NDF: 276056935.8/21

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.163+/-0.000 χ^2/NDF: 198311177.9/26

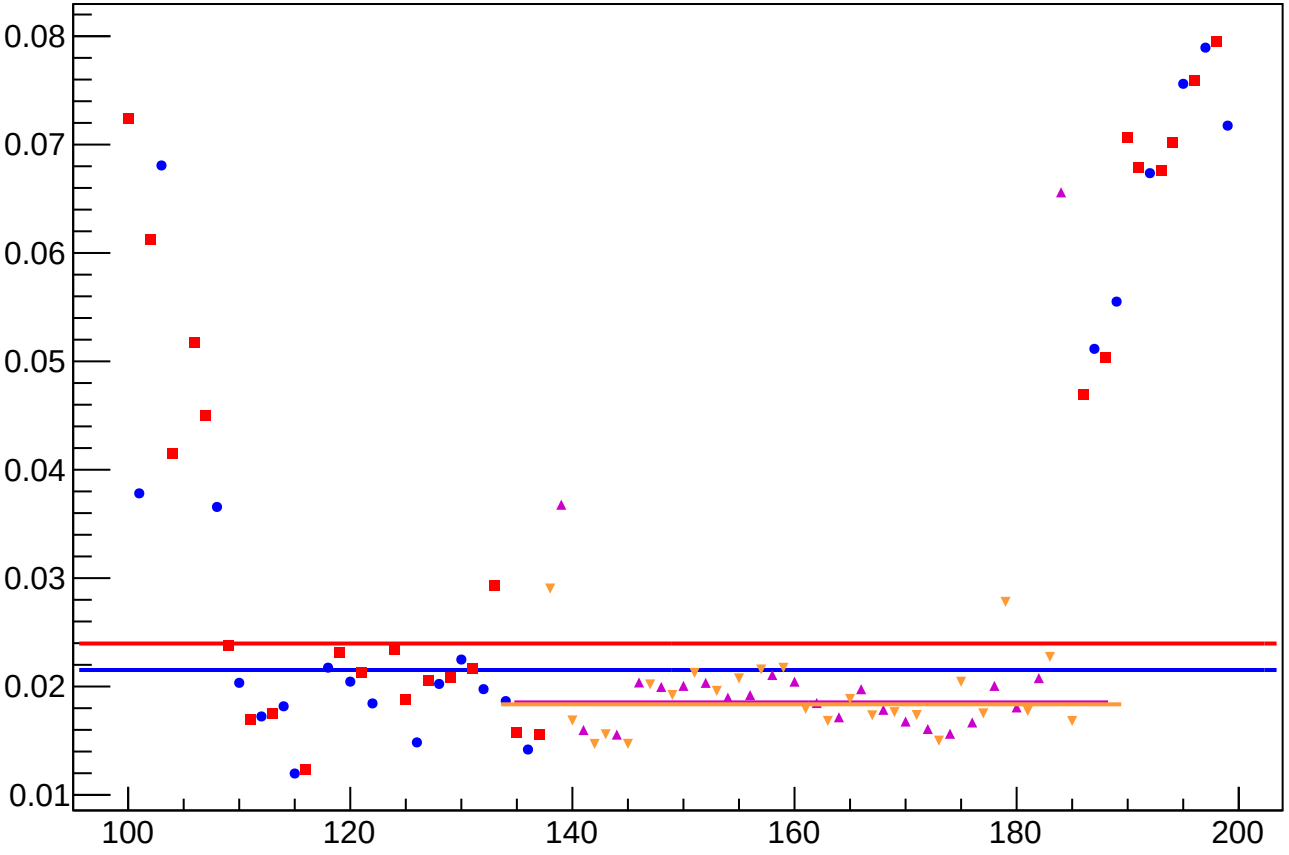
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.285+/-0.000 χ^2/NDF: 821314320.2/46

All: -0.282+/-0.000 χ^2/NDF: 1415954551.8/9

- sign -0.279+/-0.000 χ^2/NDF: 593560024.3/49

yield_bpm4ecX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5560740.9/21

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.024+/-0.000 χ^2/NDF: 6057980.5/26

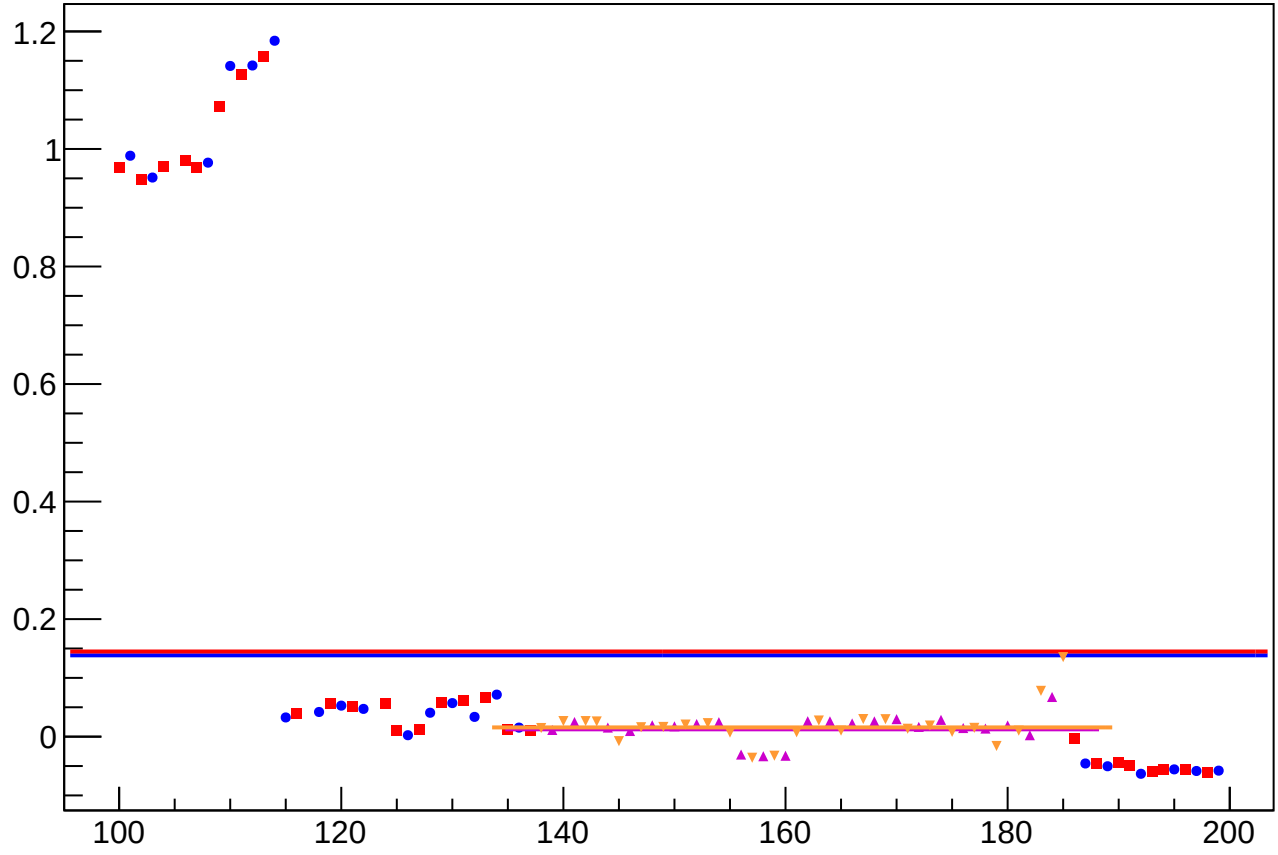
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 6534396.5/46

All: 0.020+/-0.000 χ^2/NDF: 14197611.1/96

- sign 0.020+/-0.000 χ^2/NDF: 7630142.8/49

yield_bpm4ecY_mean vs Slug



Right In: 0.138+/-0.000 χ^2/NDF: 7822155201.9/21

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.145+/-0.000 χ^2/NDF: 8546928263.6/26

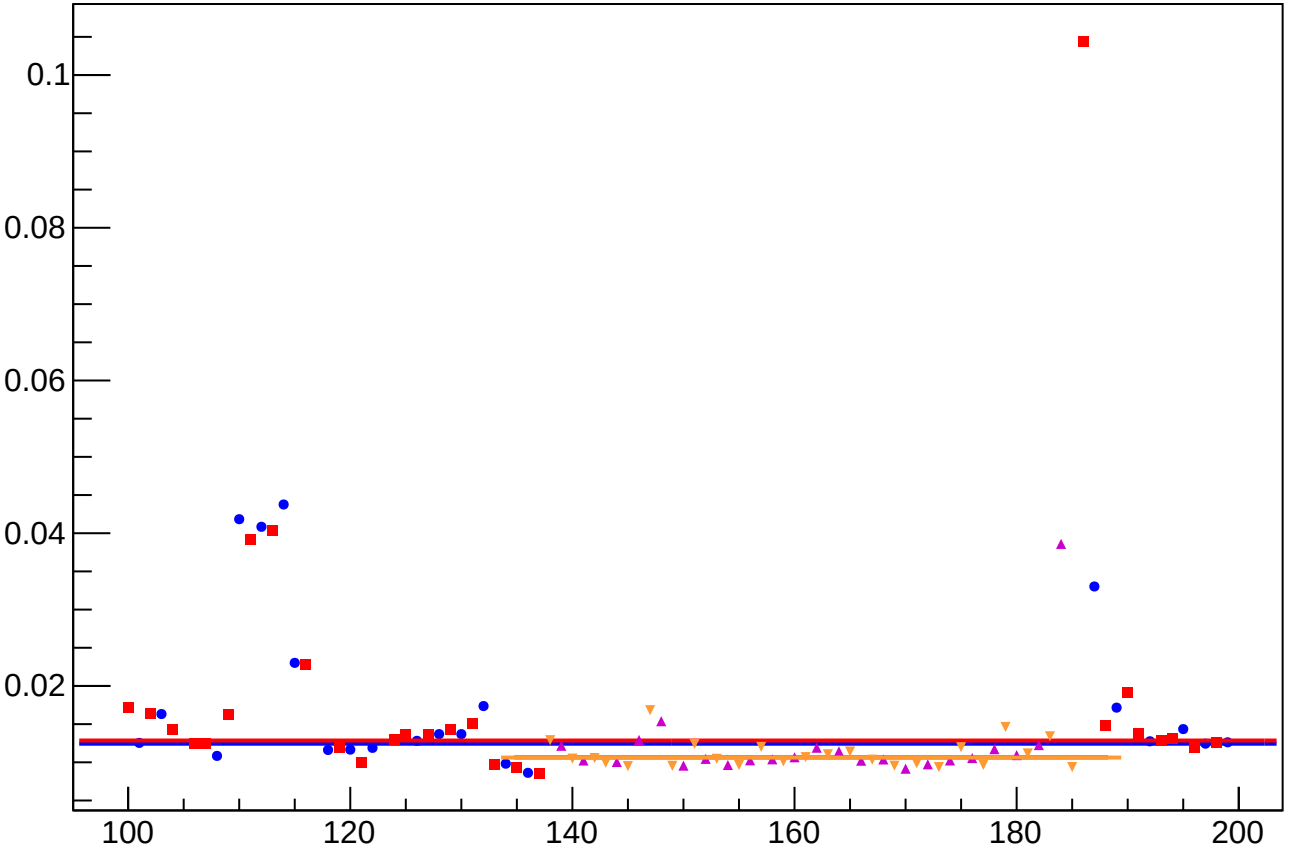
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.051+/-0.000 χ^2/NDF: 8614793795.8/46

All: 0.052+/-0.000 χ^2/NDF: 18022638613.8/9

- 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: 1728736.9/21

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

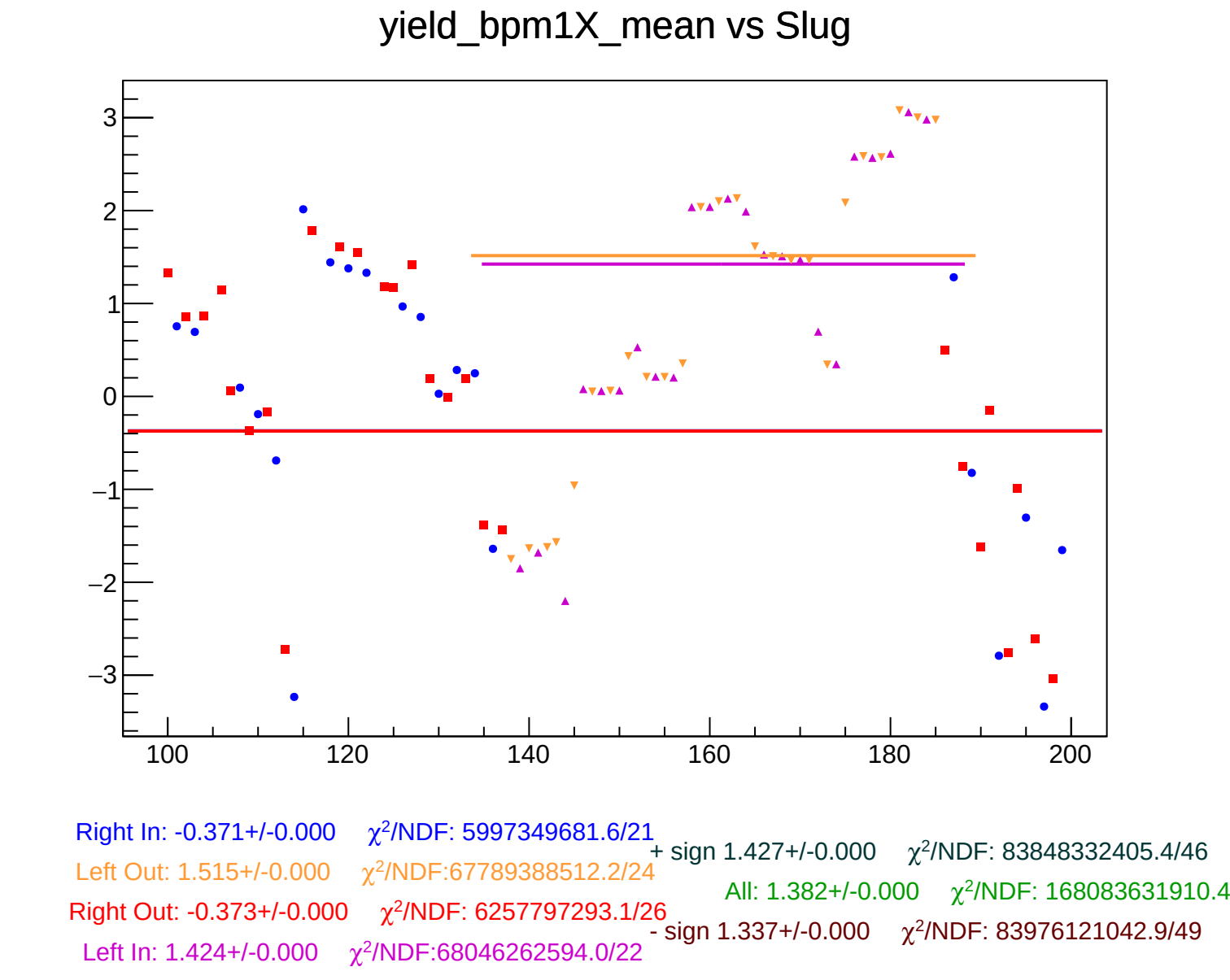
Right Out: 0.013+/-0.000 χ^2/NDF: 2103792.9/26

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

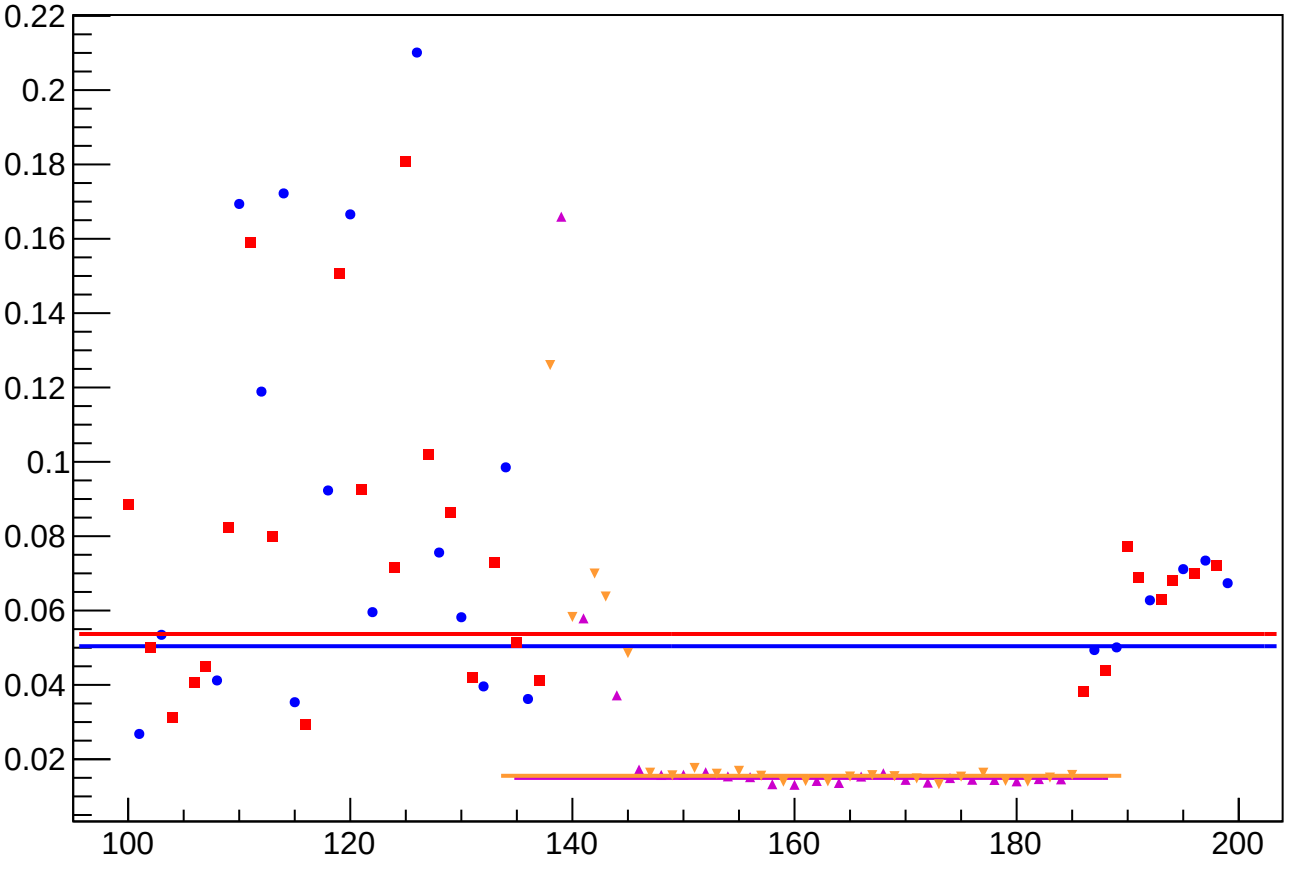
+ sign 0.011+/-0.000 χ^2/NDF: 2651308.4/46

All: 0.011+/-0.000 χ^2/NDF: 5780459.3/96

- sign 0.011+/-0.000 χ^2/NDF: 3122888.1/49


yield_bpm1X_mean vs Slug
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.371+/-0.000 χ²/NDF: 5997349681.6/21
Left Out: 1.515+/-0.000 χ²/NDF:67789388512.2/24
Right Out: -0.373+/-0.000 χ²/NDF: 6257797293.1/26
Left In: 1.424+/-0.000 χ²/NDF:68046262594.0/22
+ sign 1.427+/-0.000 χ²/NDF: 83848332405.4/46
All: 1.382+/-0.000 χ²/NDF: 168083631910.4
- sign 1.337+/-0.000 χ²/NDF: 83976121042.9/49

yield_bpm1X_rms vs Slug



Right In: 0.050+/-0.000 χ^2/NDF: 3427498.1/21

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

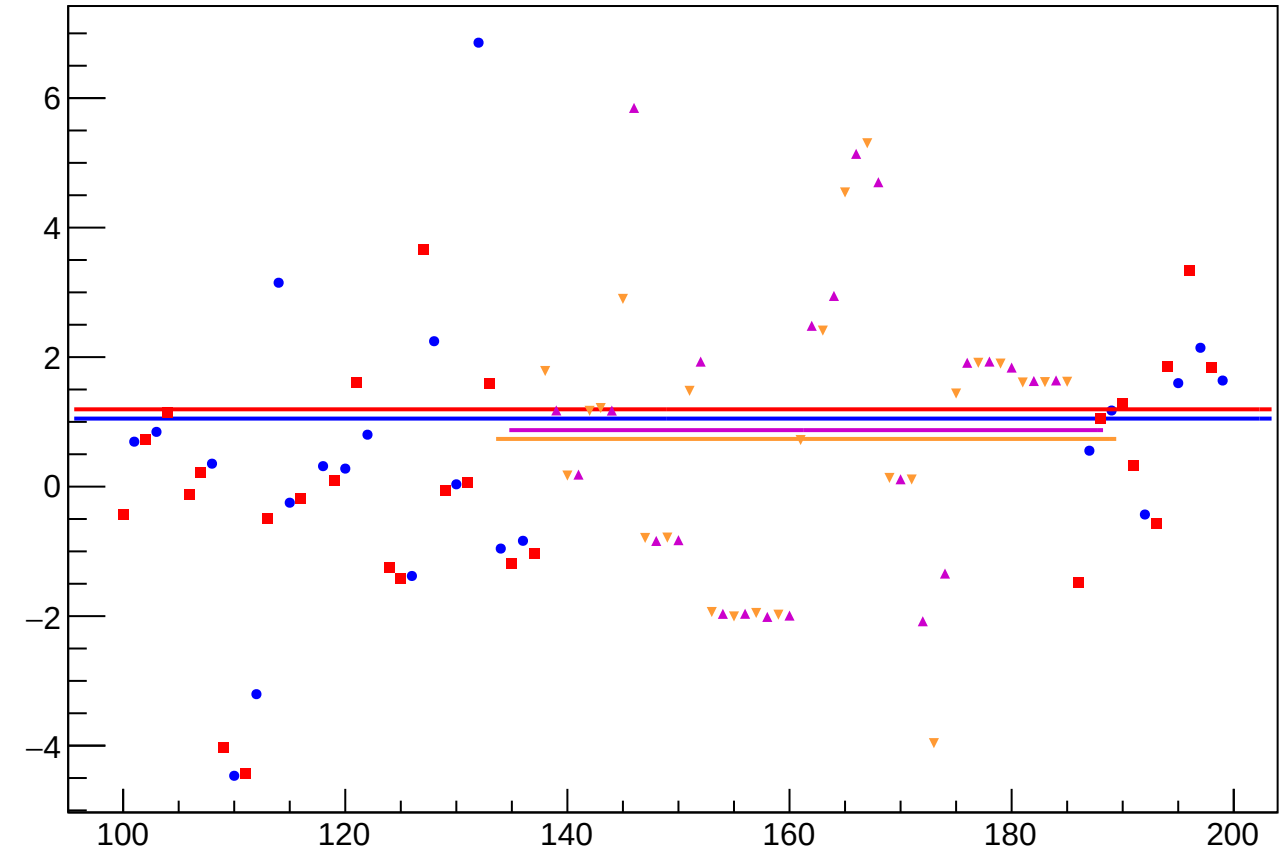
Right Out: 0.054+/-0.000 χ^2/NDF: 2972070.8/26

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.017+/-0.000 χ^2/NDF: 13288511.9/46

All: 0.017+/-0.000 χ^2/NDF: 27433113.4/96

- sign 0.017+/-0.000 χ^2/NDF: 14137595.3/49



Right In: 1.051+/-0.000 χ^2/NDF: 20541814047.7/21

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.194+/-0.000 χ^2/NDF: 25178119498.8/26

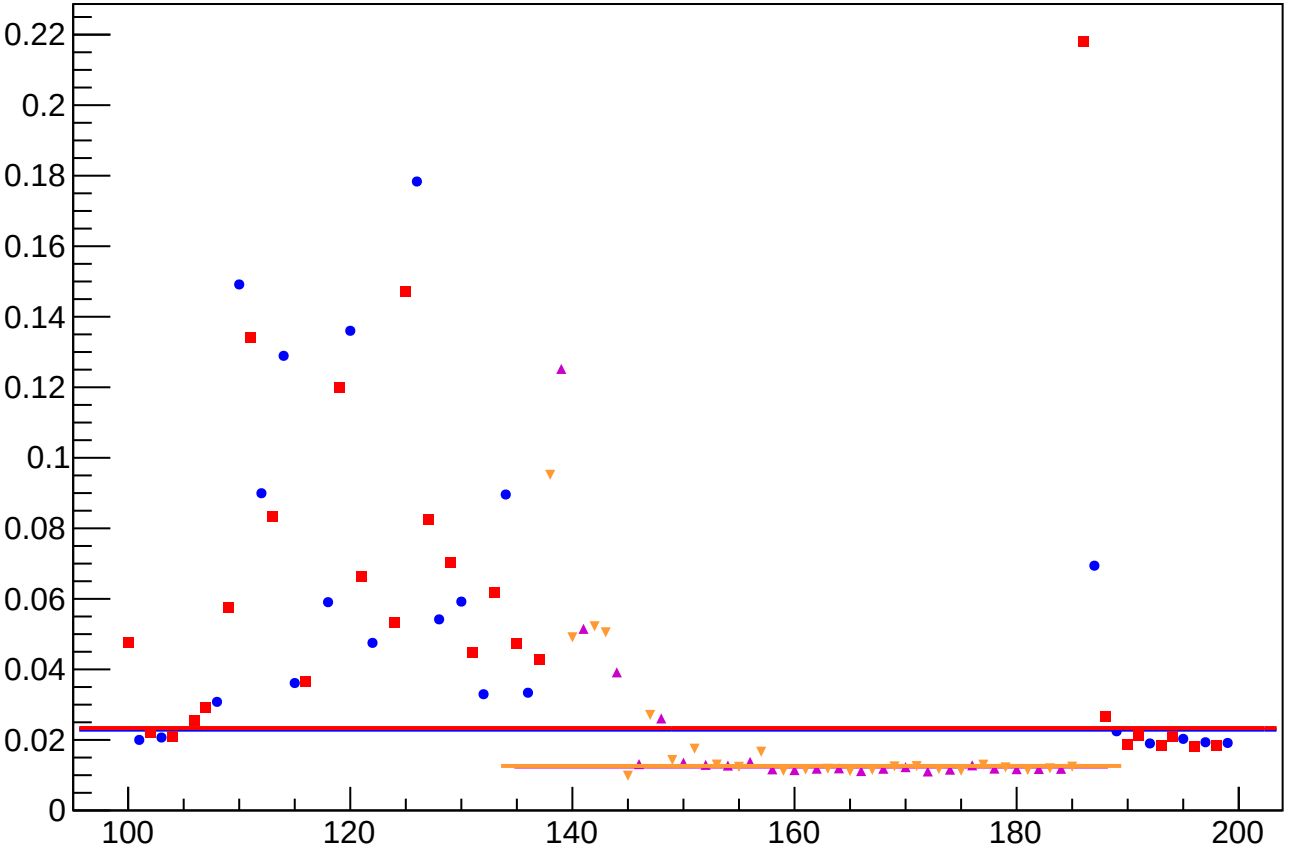
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.774+/-0.000 χ^2/NDF: 557668762641.7/46

All: 0.844+/-0.000 χ^2/NDF: 1205416990269.

- sign 0.914+/-0.000 χ^2/NDF: 646646424139.0/49

yield_bpm1Y_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 3919569.5/21

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.023+/-0.000 χ^2/NDF: 4971747.4/26

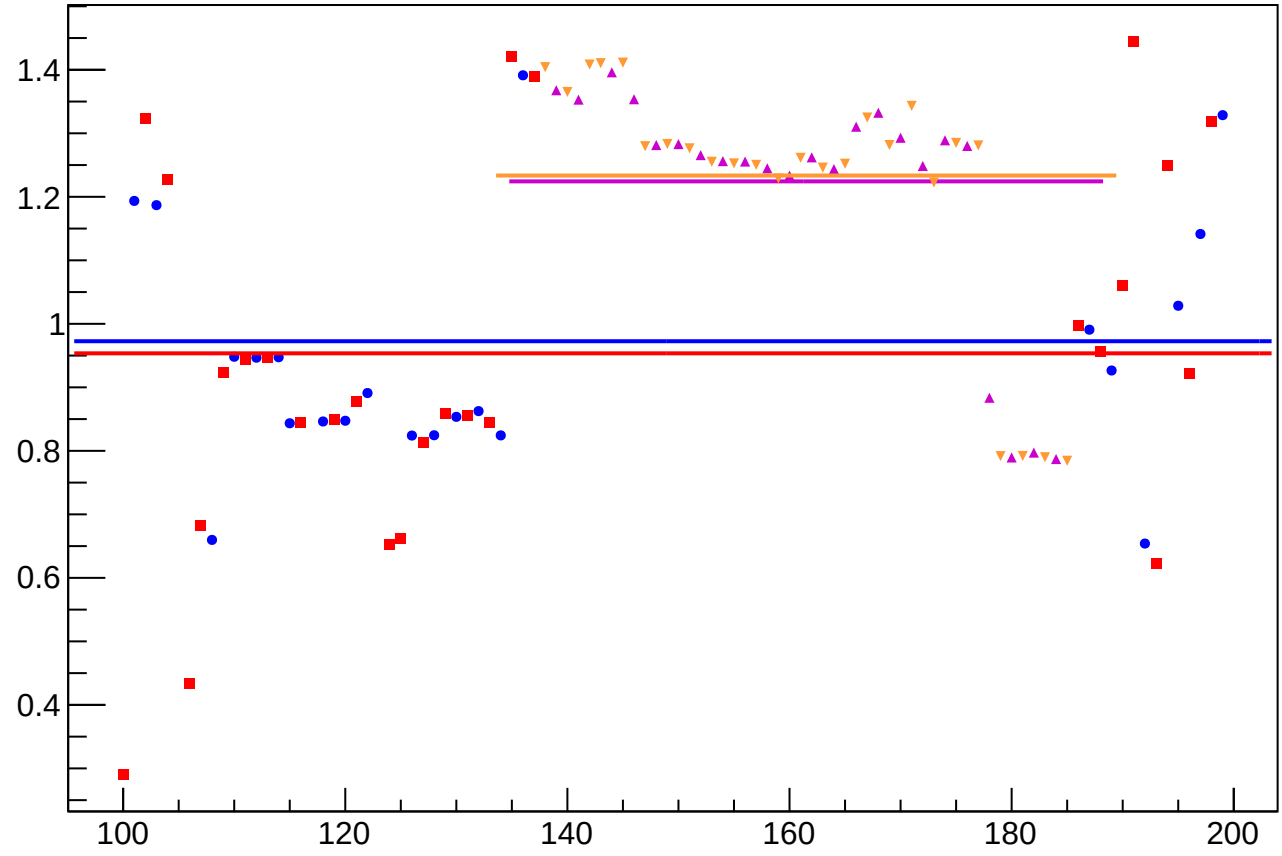
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9608106.2/46

All: 0.014+/-0.000 χ^2/NDF: 20350272.4/96

- sign 0.014+/-0.000 χ^2/NDF: 10742163.8/49

yield_bpm11X_mean vs Slug



Right In: 0.973+/-0.000 χ^2/NDF: 1704880863.7/21

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.954+/-0.000 χ^2/NDF: 2000700274.4/26

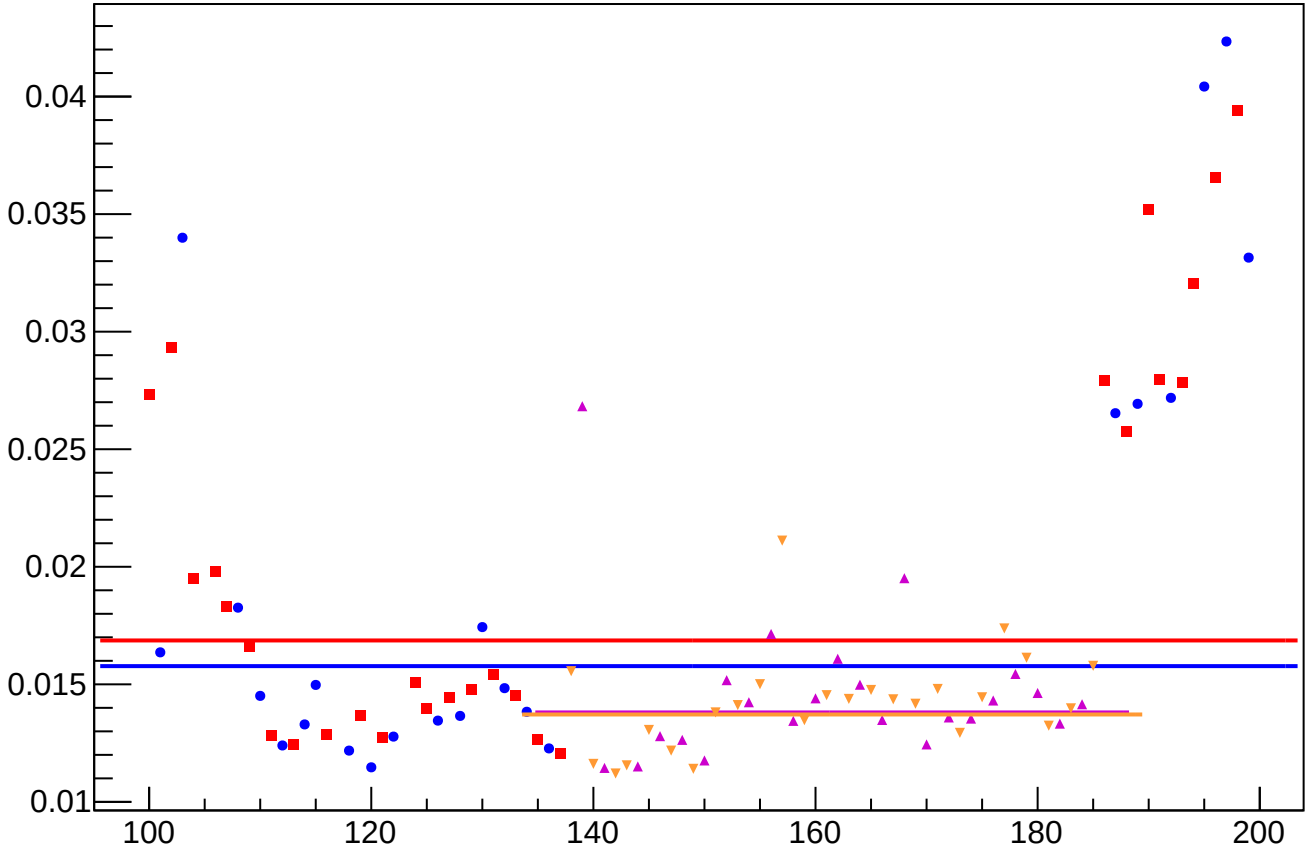
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.159+/-0.000 χ^2/NDF: 6510012726.5/46

All: 1.152+/-0.000 χ^2/NDF: 13029213480.8/9

- sign 1.144+/-0.000 χ^2/NDF: 6506027123.9/49

yield_bpm11X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 3066979.2/21

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

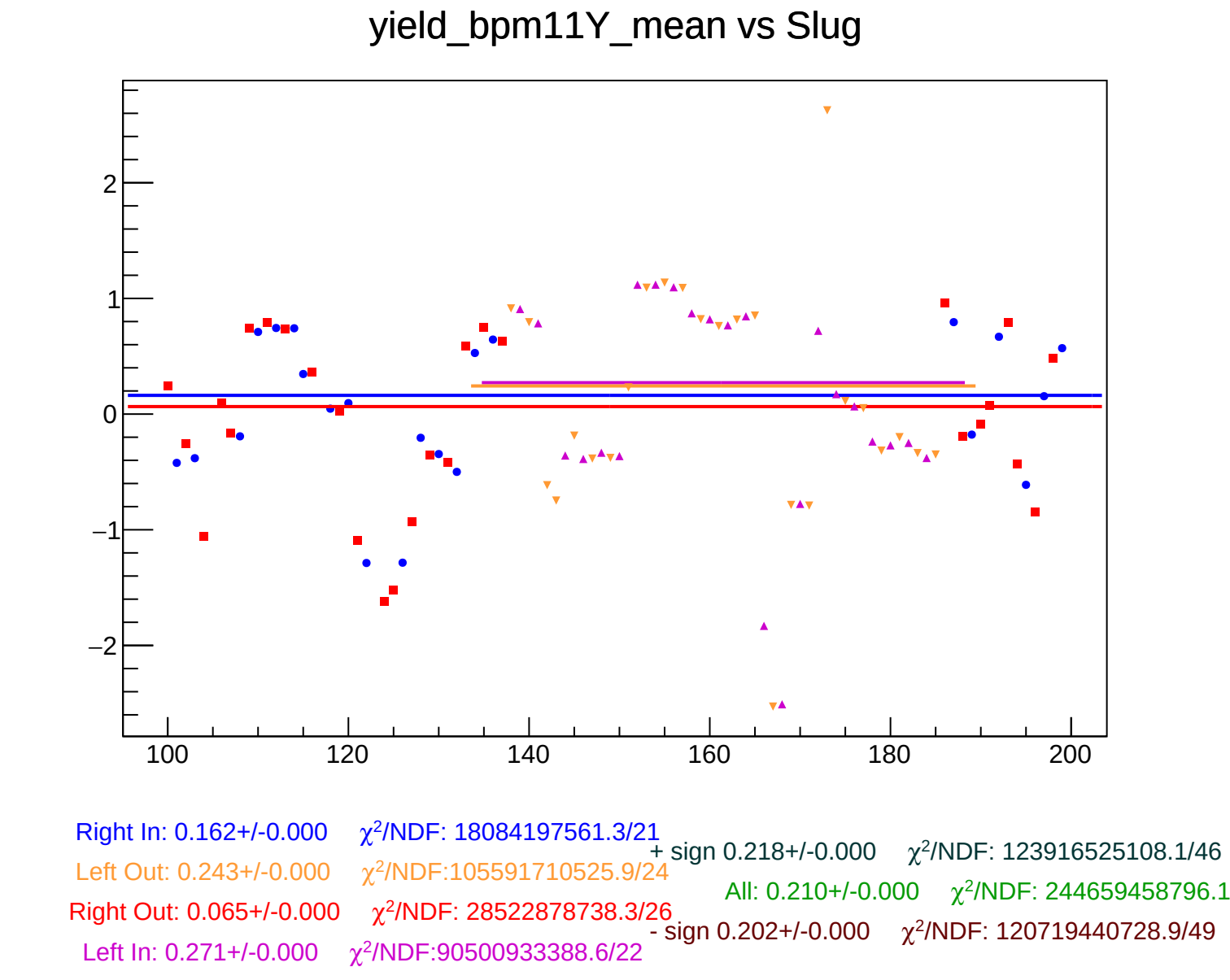
Right Out: 0.017+/-0.000 χ^2/NDF: 3068173.0/26

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

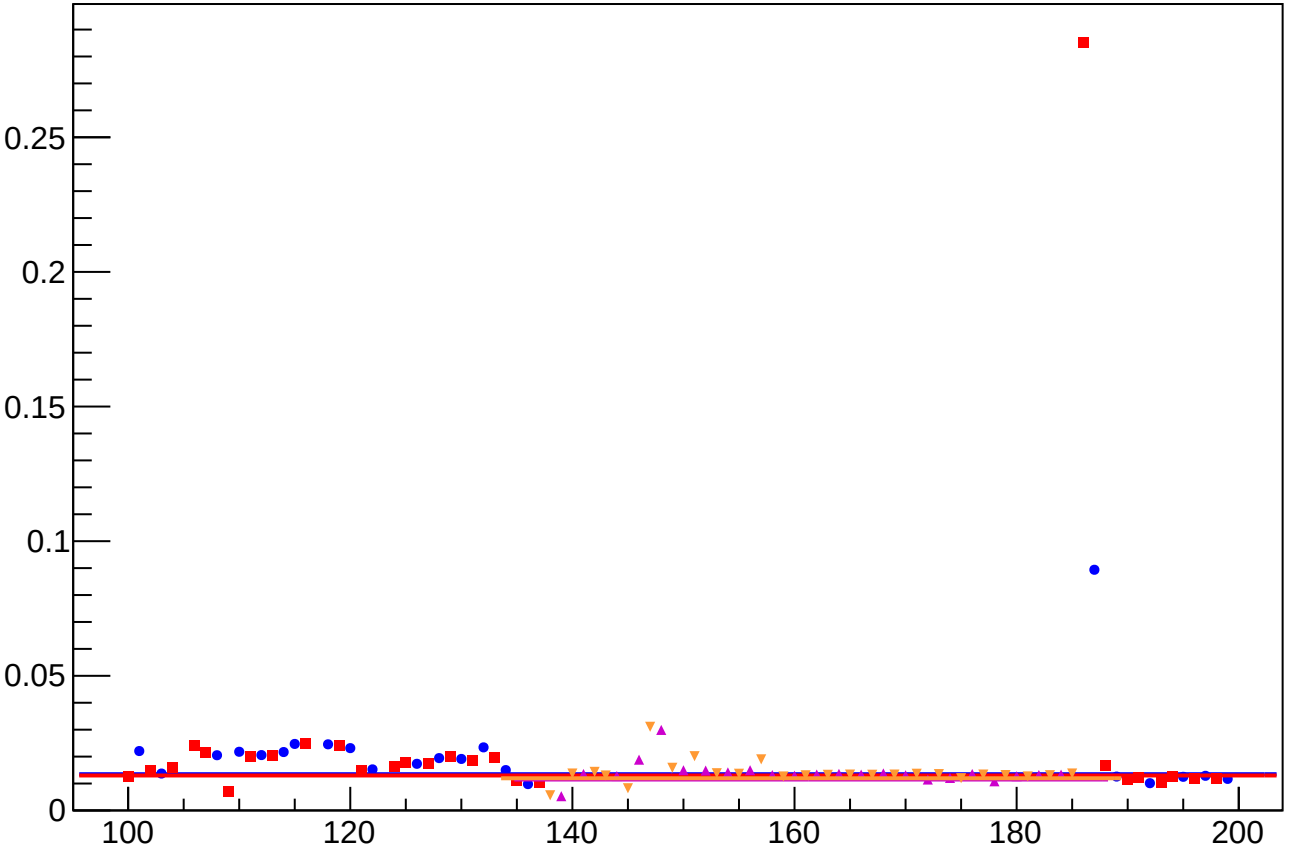
+ sign 0.014+/-0.000 χ^2/NDF: 3836648.7/46

All: 0.015+/-0.000 χ^2/NDF: 8268662.2/96

- sign 0.015+/-0.000 χ^2/NDF: 4411822.7/49


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.162+/-0.000 χ²/NDF: 18084197561.3/21
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: 0.065+/-0.000 χ²/NDF: 28522878738.3/26
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.218+/-0.000 χ²/NDF: 123916525108.1/46
All: 0.210+/-0.000 χ²/NDF: 244659458796.1
- sign 0.202+/-0.000 χ²/NDF: 120719440728.9/49

yield_bpm11Y_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2010014.3/21

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

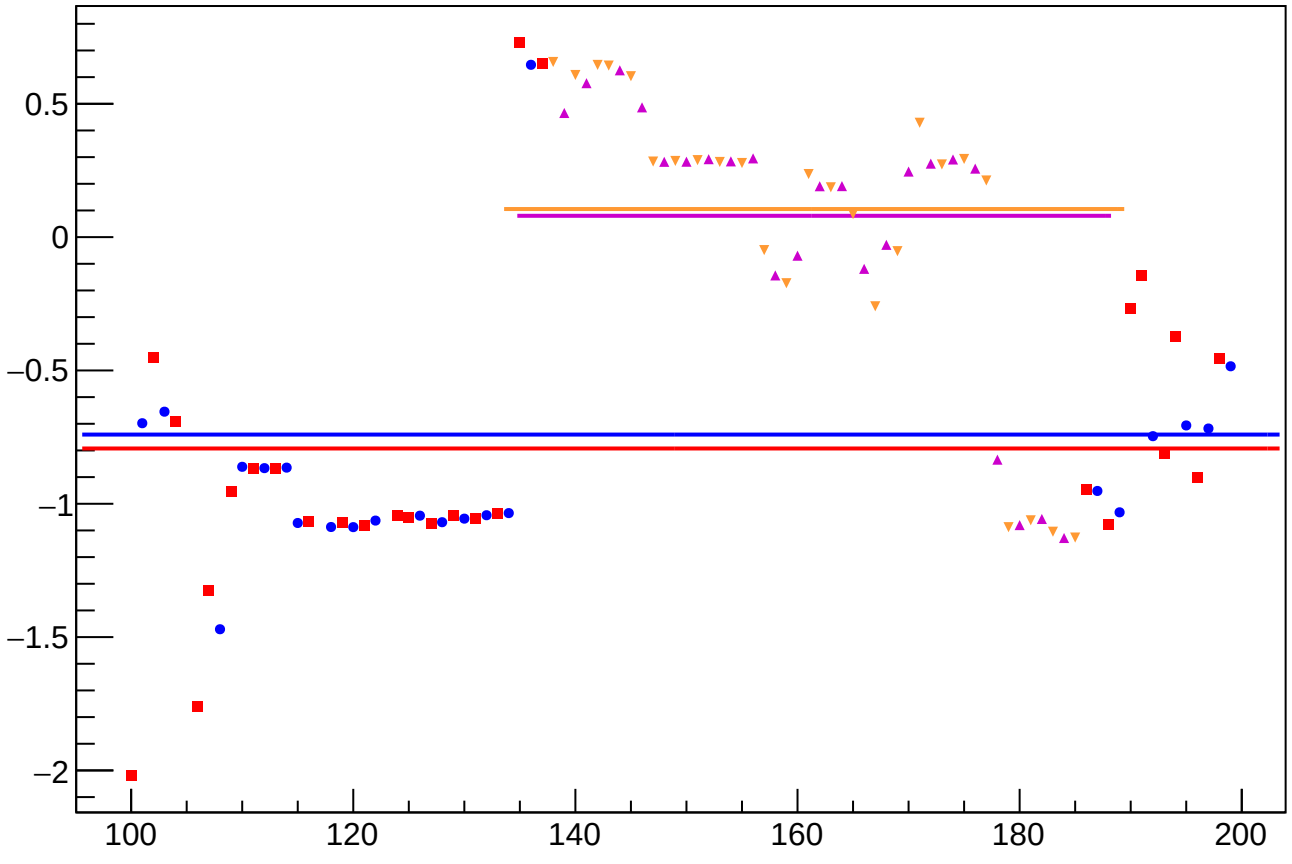
Right Out: 0.013+/-0.000 χ^2/NDF: 2658209.3/26

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5442763.0/46

All: 0.012+/-0.000 χ^2/NDF: 11983079.3/96

- sign 0.012+/-0.000 χ^2/NDF: 6509564.9/49



Right In: -0.740+/-0.000 χ^2/NDF: 2096842129.2/21

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.793+/-0.000 χ^2/NDF: 1985281167.1/26

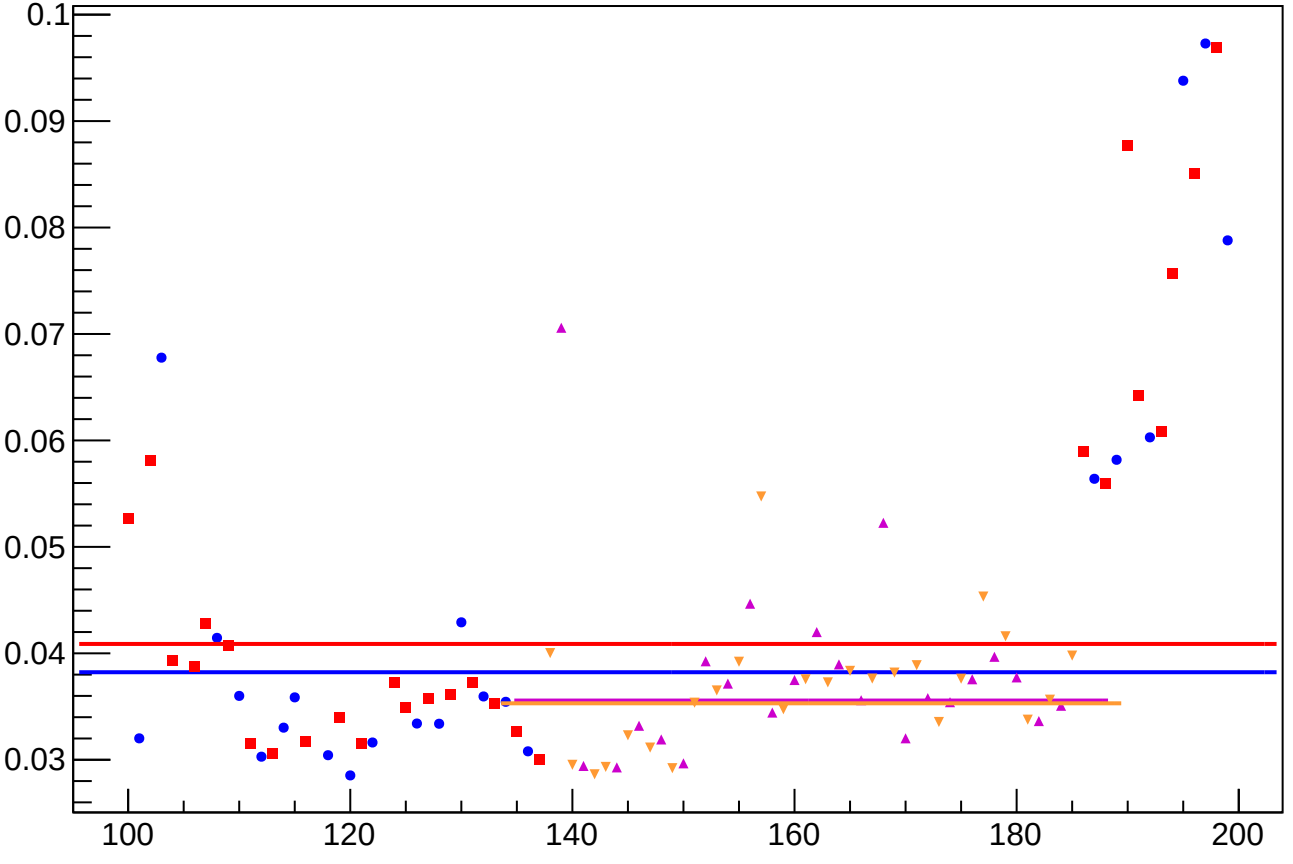
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.165+/-0.000 χ^2/NDF: 8966155964.1/46

All: -0.185+/-0.000 χ^2/NDF: 17420462657.0/

- sign -0.207+/-0.000 χ^2/NDF: 8437255060.6/49

yield_bpm12X_rms vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 2647666.5/21

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

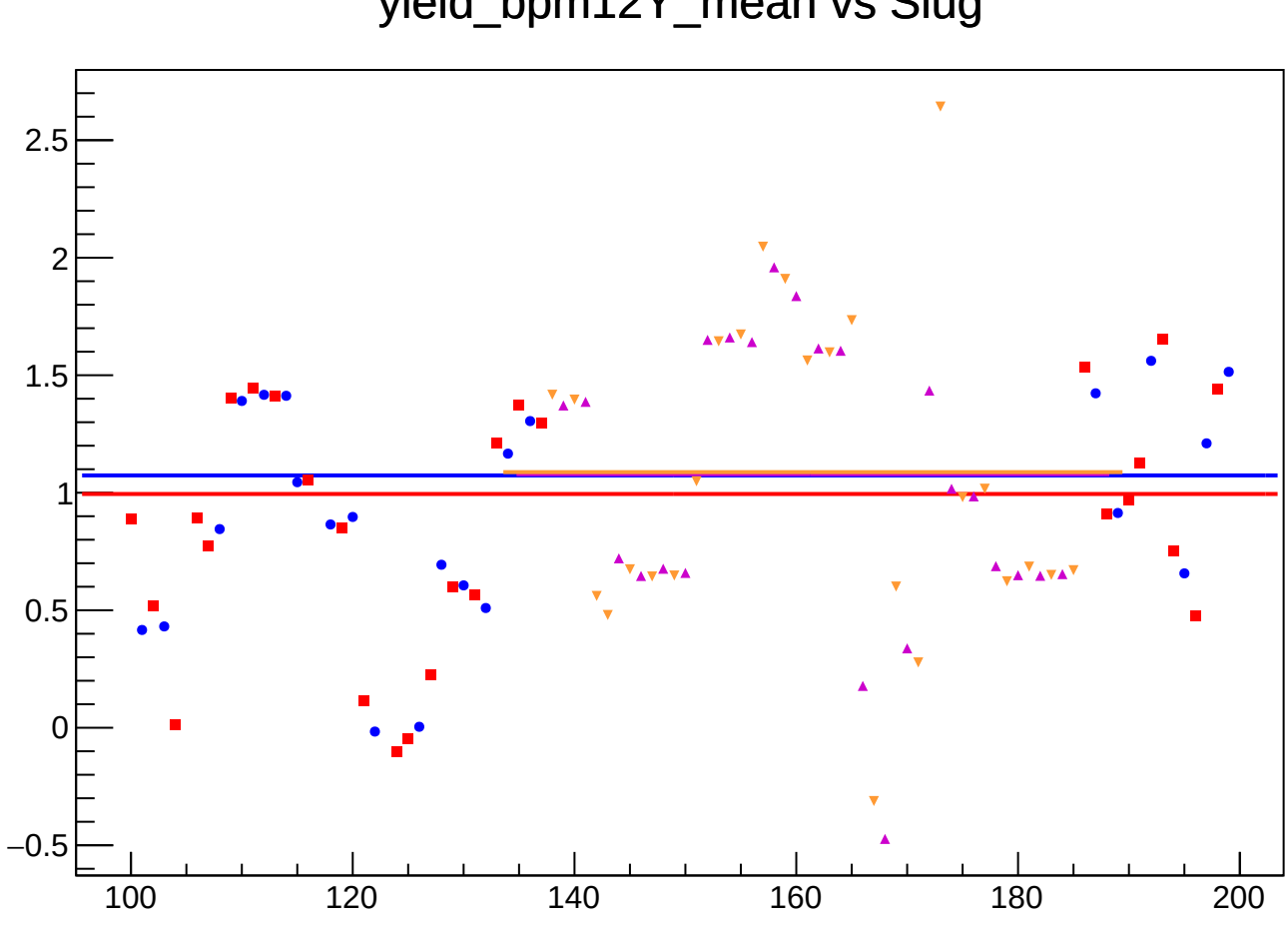
Right Out: 0.041+/-0.000 χ^2/NDF: 2540966.8/26

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

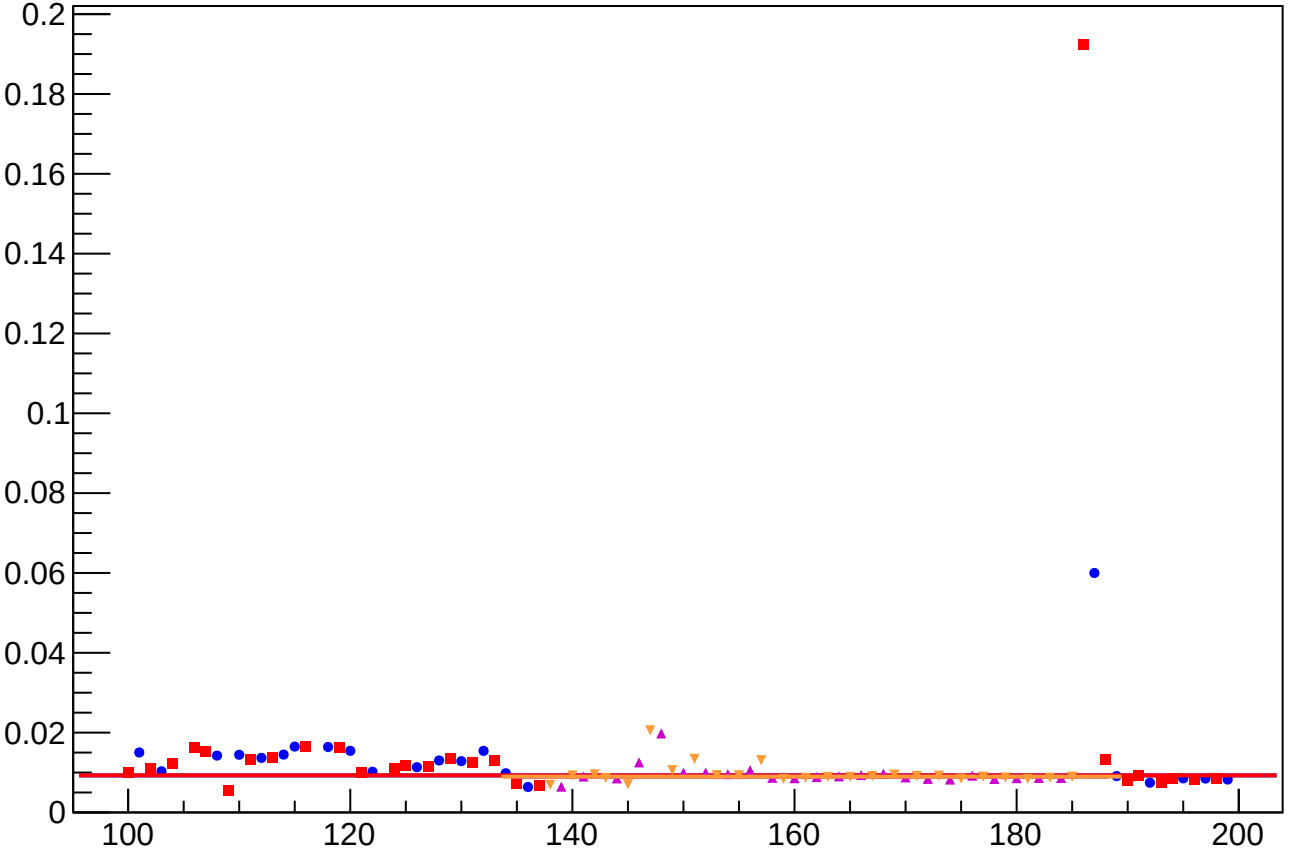
+ sign 0.036+/-0.000 χ^2/NDF: 3333794.8/46

All: 0.037+/-0.000 χ^2/NDF: 7093858.0/96

- sign 0.037+/-0.000 χ^2/NDF: 3737725.3/49


yield_bpm12Y_mean vs Slug
2.5
2
1.5
1
0.5
0
−0.5
100
120
140
160
180
200
Right In: 1.074+/-0.000 χ²/NDF: 23464033443.8/21
Left Out: 1.088+/-0.000 χ²/NDF:93851056436.3/24
Right Out: 0.995+/-0.000 χ²/NDF: 30370798631.6/26
Left In: 1.079+/-0.000 χ²/NDF:74081002727.0/22
+ sign 1.083+/-0.000 χ²/NDF: 117329875934.3/46
All: 1.066+/-0.000 χ²/NDF: 222524920457.3
- sign 1.048+/-0.000 χ²/NDF: 104993539503.4/49

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1898041.0/21

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2371647.6/26

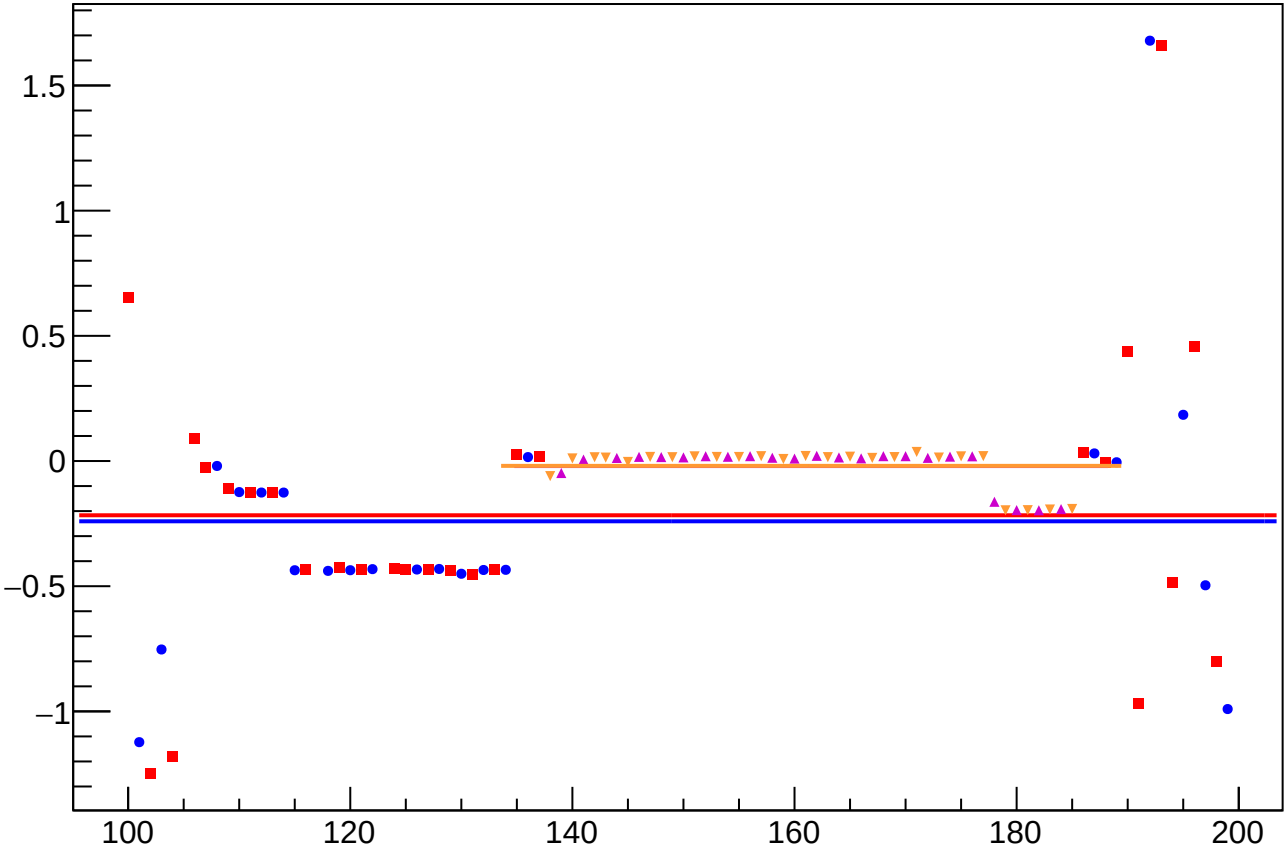
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3058114.4/46

All: 0.009+/-0.000 χ^2/NDF: 6415800.5/96

- sign 0.009+/-0.000 χ^2/NDF: 3357684.2/49

yield_bpm16X_mean vs Slug



Right In: -0.241+/-0.000 χ^2/NDF: 3147236223.6/21

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.217+/-0.000 χ^2/NDF: 2737113219.2/26

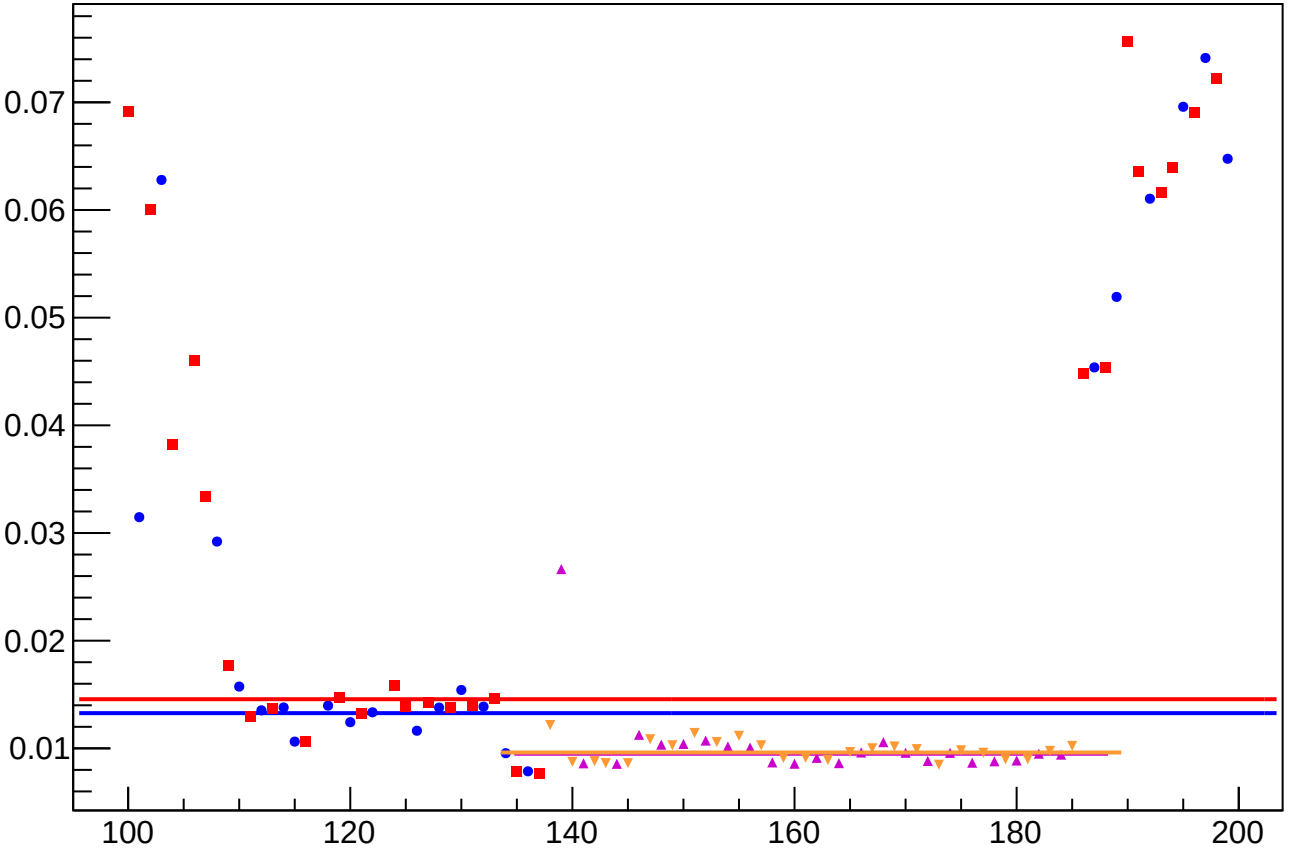
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.057+/-0.000 χ^2/NDF: 5691582016.0/46

All: -0.055+/-0.000 χ^2/NDF: 10488786610.3/

- 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: 7228168.1/21

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 8308400.2/26

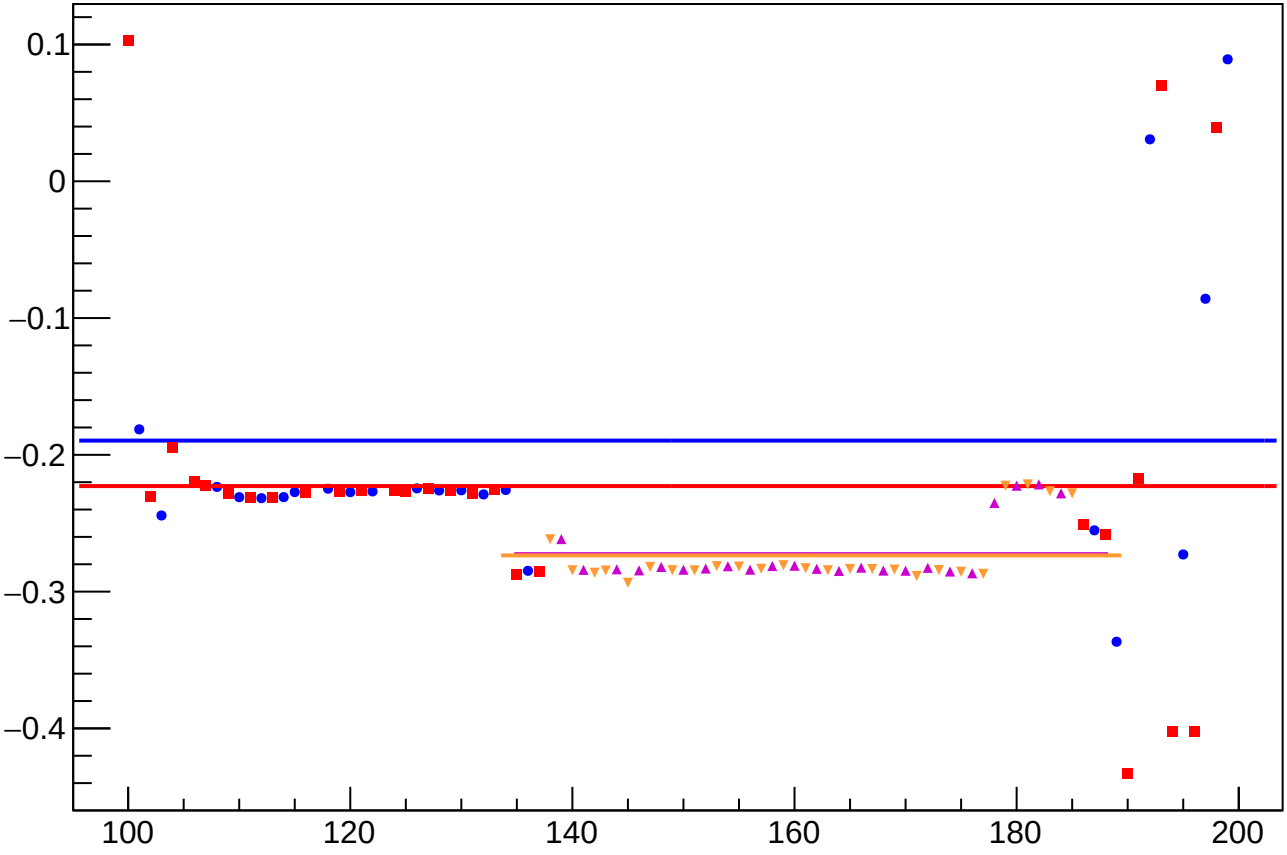
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 8309617.7/46

All: 0.010+/-0.000 χ^2/NDF: 18945673.6/96

- sign 0.010+/-0.000 χ^2/NDF: 10634336.8/49

yield_bpm16Y_mean vs Slug



Right In: -0.190+/-0.000 χ^2/NDF: 4662643763.5/21

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.223+/-0.000 χ^2/NDF: 5774470089.5/26

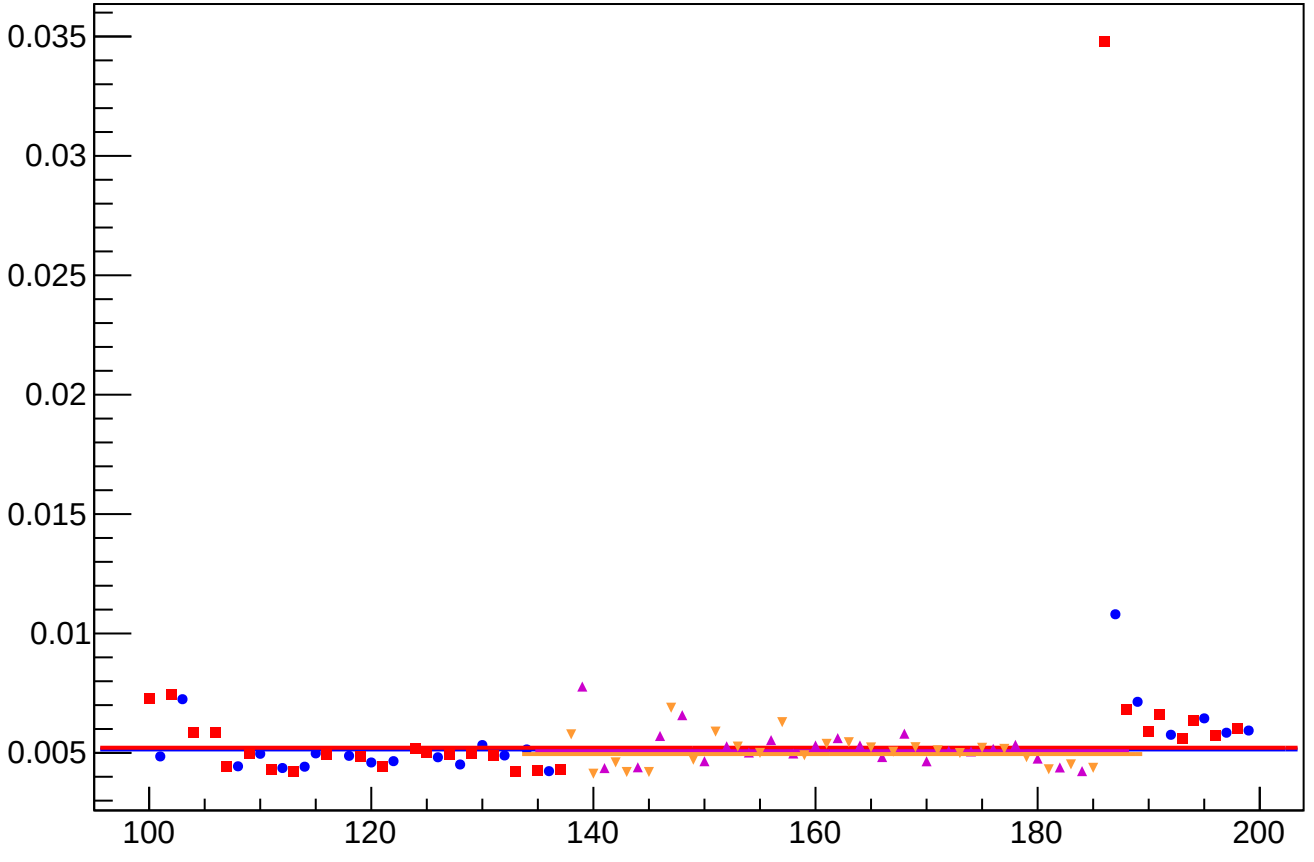
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.244+/-0.000 χ^2/NDF: 6856779778.7/46

All: -0.249+/-0.000 χ^2/NDF: 13646369786.7/

- 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: 589061.7/21

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

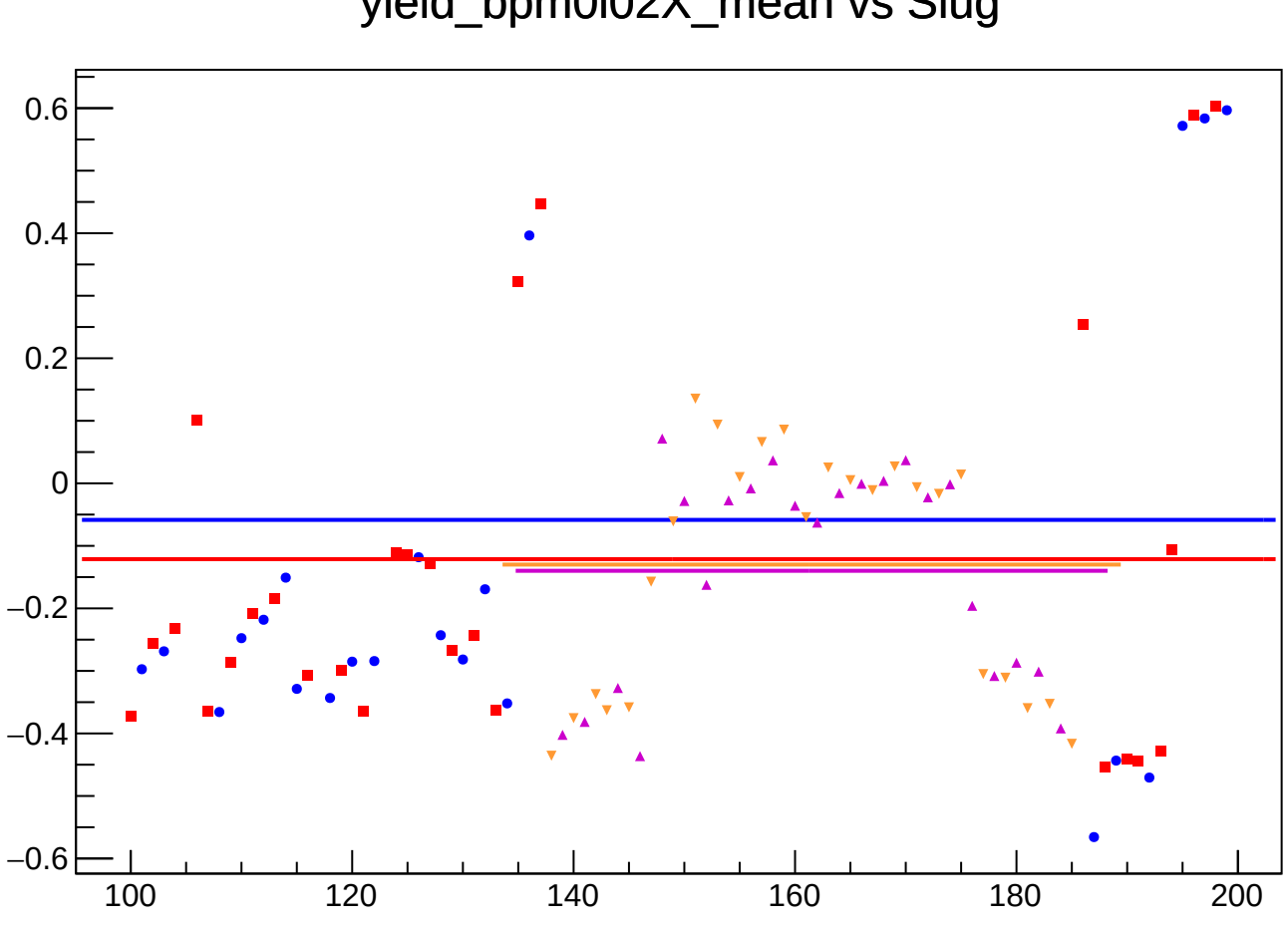
Right Out: 0.005+/-0.000 χ^2/NDF: 1179741.5/26

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

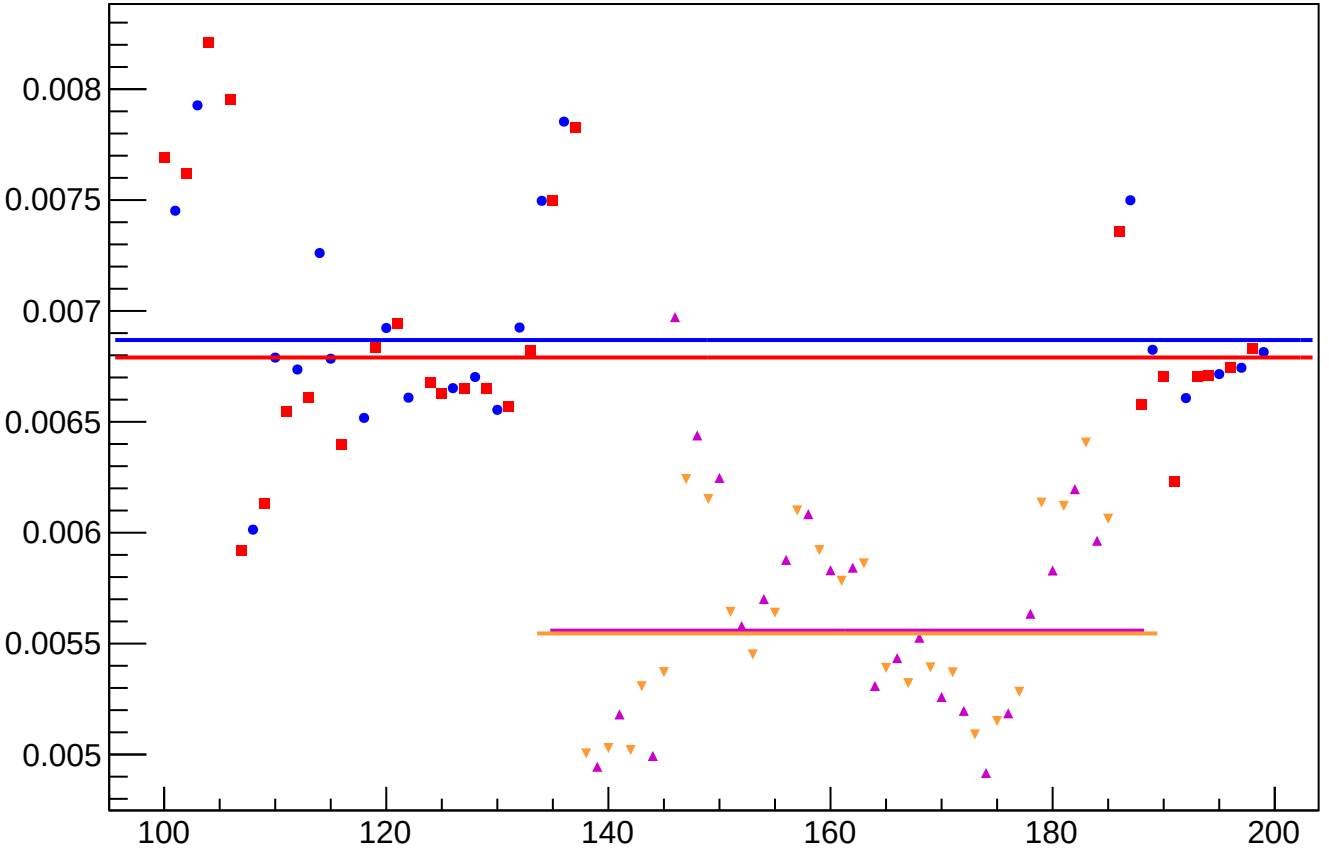
+ sign 0.005+/-0.000 χ^2/NDF: 1137031.3/46

All: 0.005+/-0.000 χ^2/NDF: 2880135.1/96

- sign 0.005+/-0.000 χ^2/NDF: 1730543.6/49


yield_bpm0i02X_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.058+/-0.000 χ²/NDF: 39053089401.6/21
Left Out: -0.130+/-0.000 χ²/NDF:21496239338.5/24
Right Out: -0.121+/-0.000 χ²/NDF: 31285709941.2/26
Left In: -0.140+/-0.000 χ²/NDF:15148699439.4/22
+ sign -0.109+/-0.000 χ²/NDF: 61421830760.8/46
All: -0.122+/-0.000 χ²/NDF: 108166138210.
- sign -0.134+/-0.000 χ²/NDF: 46497900344.9/49

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 93930.2/21

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

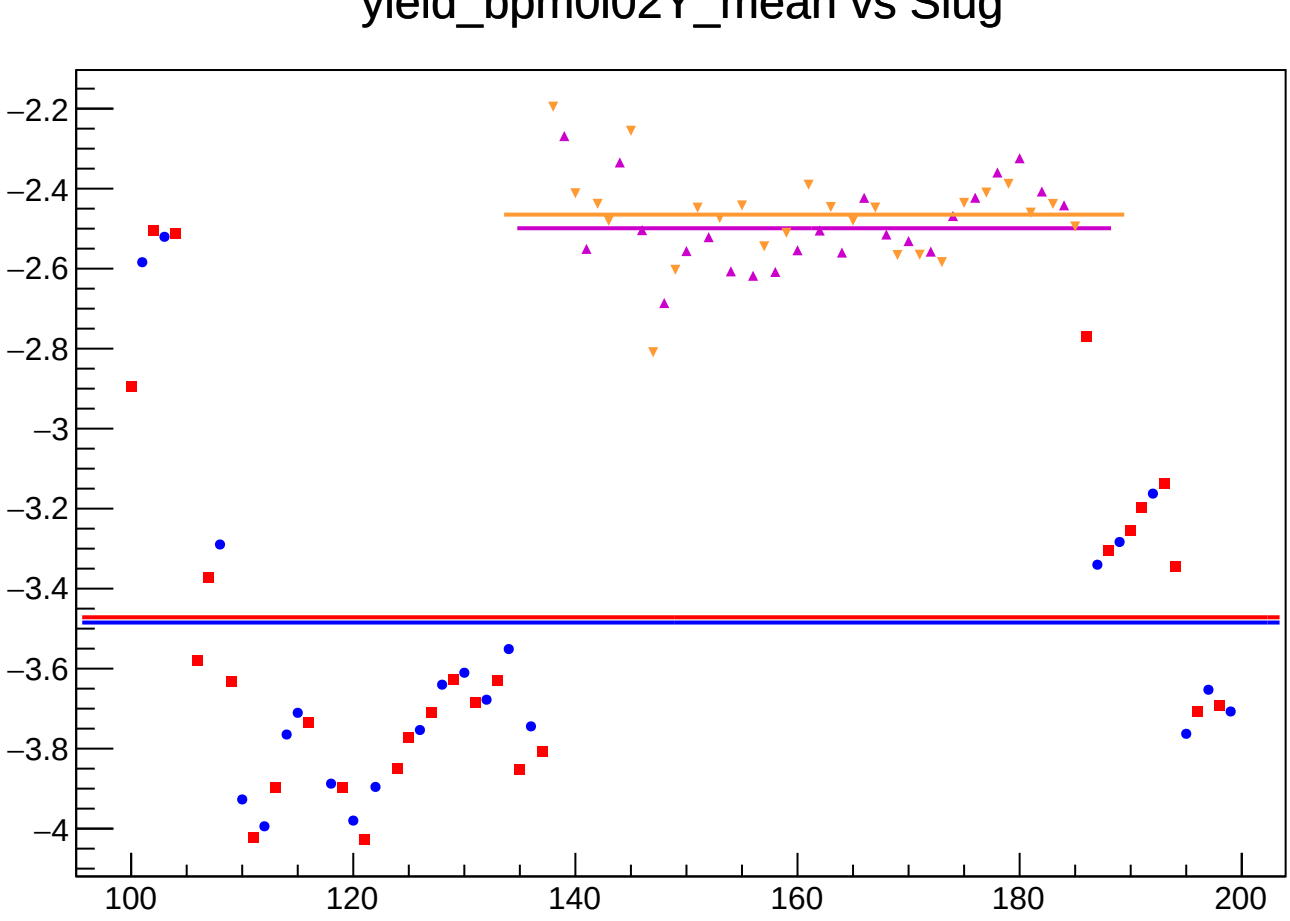
Right Out: 0.007+/-0.000 χ^2/NDF: 112187.6/26

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

\+ sign 0.006+/-0.000 χ^2/NDF: 894039.9/46

All: 0.006+/-0.000 χ^2/NDF: 1821661.2/96

\- sign 0.006+/-0.000 χ^2/NDF: 926565.5/49



Right In: -3.485+/-0.000 χ^2/NDF: 31499270224.7/21

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.472+/-0.000 χ^2/NDF: 33232938434.6/26

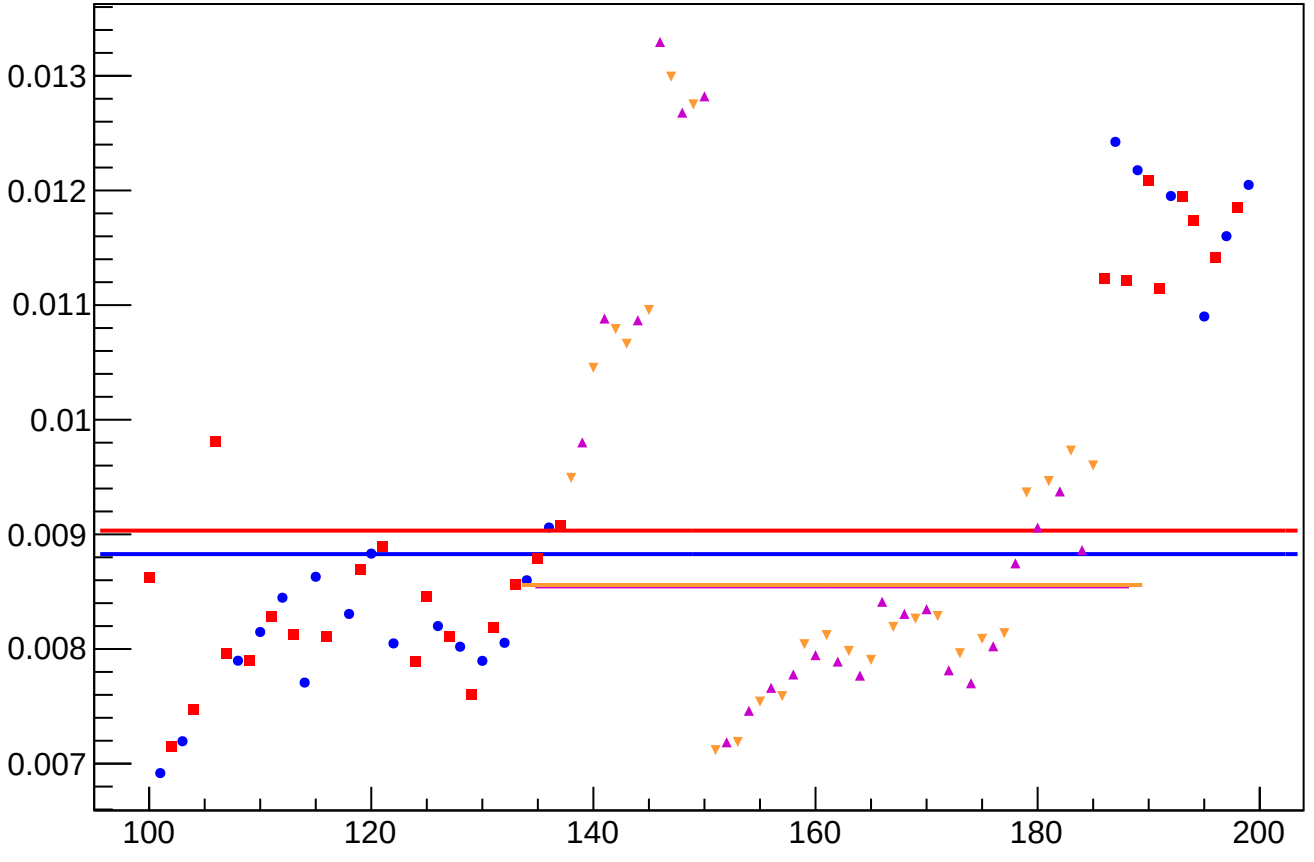
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.833+/-0.000 χ^2/NDF: 126358991398.2/46

All: -2.854+/-0.000 χ^2/NDF: 247584187326.4

- 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: 750829.8/21

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

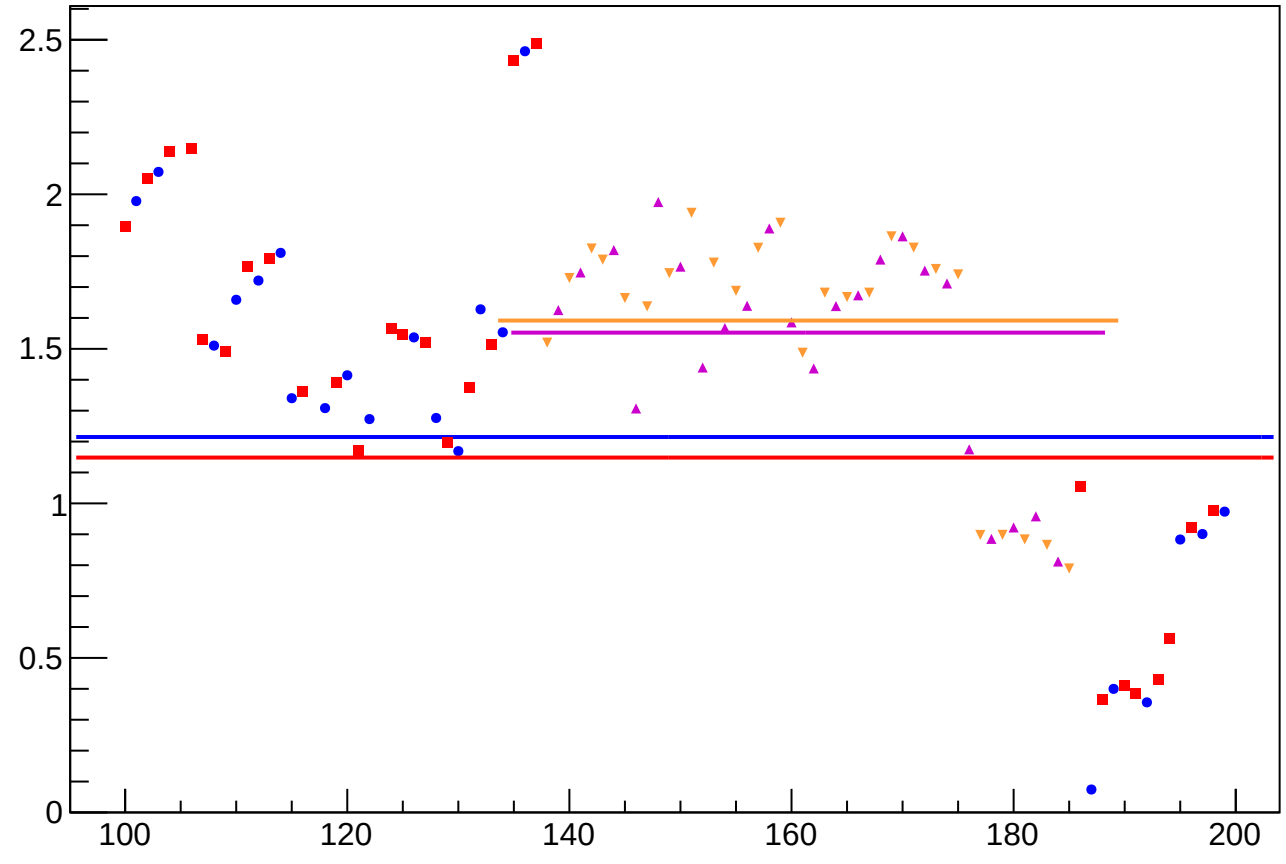
Right Out: 0.009+/-0.000 χ^2/NDF: 766260.7/26

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1587815.0/46

All: 0.009+/-0.000 χ^2/NDF: 3309993.5/96

- sign 0.009+/-0.000 χ^2/NDF: 1719837.5/49



Right In: 1.215+/-0.000 χ^2/NDF: 28412374999.4/21

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.148+/-0.000 χ^2/NDF: 33927188242.6/26

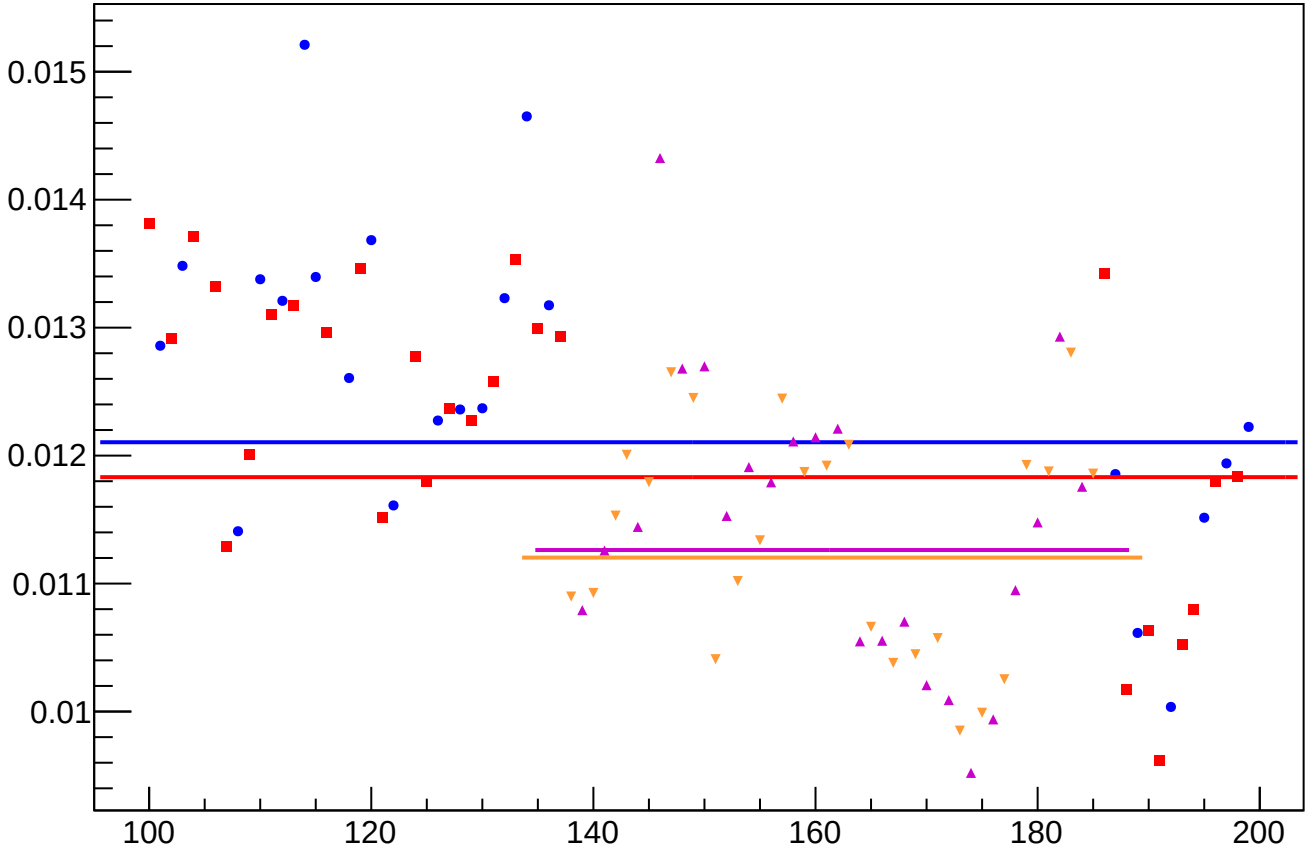
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.463+/-0.000 χ^2/NDF: 52631074043.3/46

All: 1.428+/-0.000 χ^2/NDF: 109901996244.2

- 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: 205186.2/21

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 245011.6/26

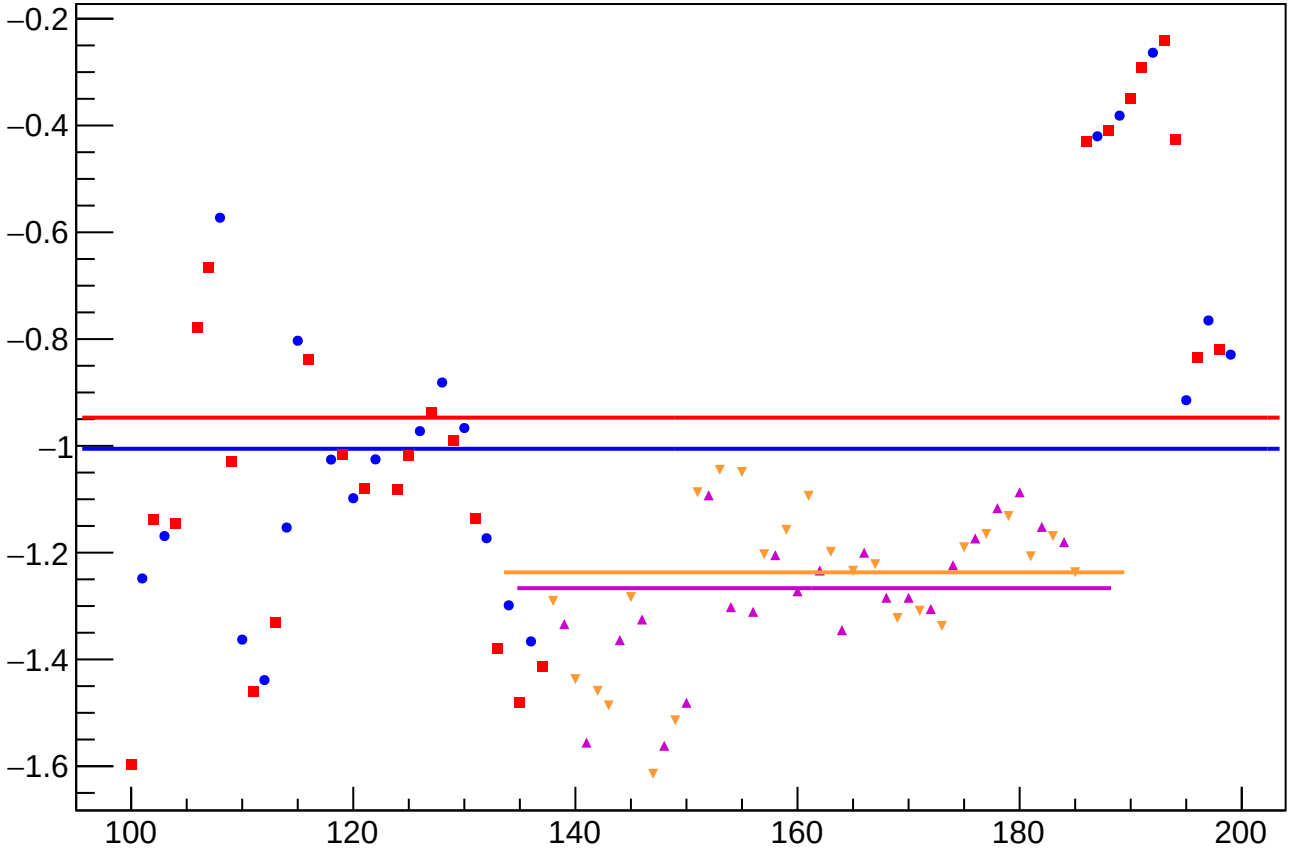
Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 510474.3/46

All: 0.011+/-0.000 χ^2/NDF: 1102049.8/96

- sign 0.011+/-0.000 χ^2/NDF: 591428.6/49

yield_bpm0i02aY_mean vs Slug



Right In: -1.005+/-0.000 χ^2/NDF: 11489929183.1/21

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.947+/-0.000 χ^2/NDF: 16511177678.9/26

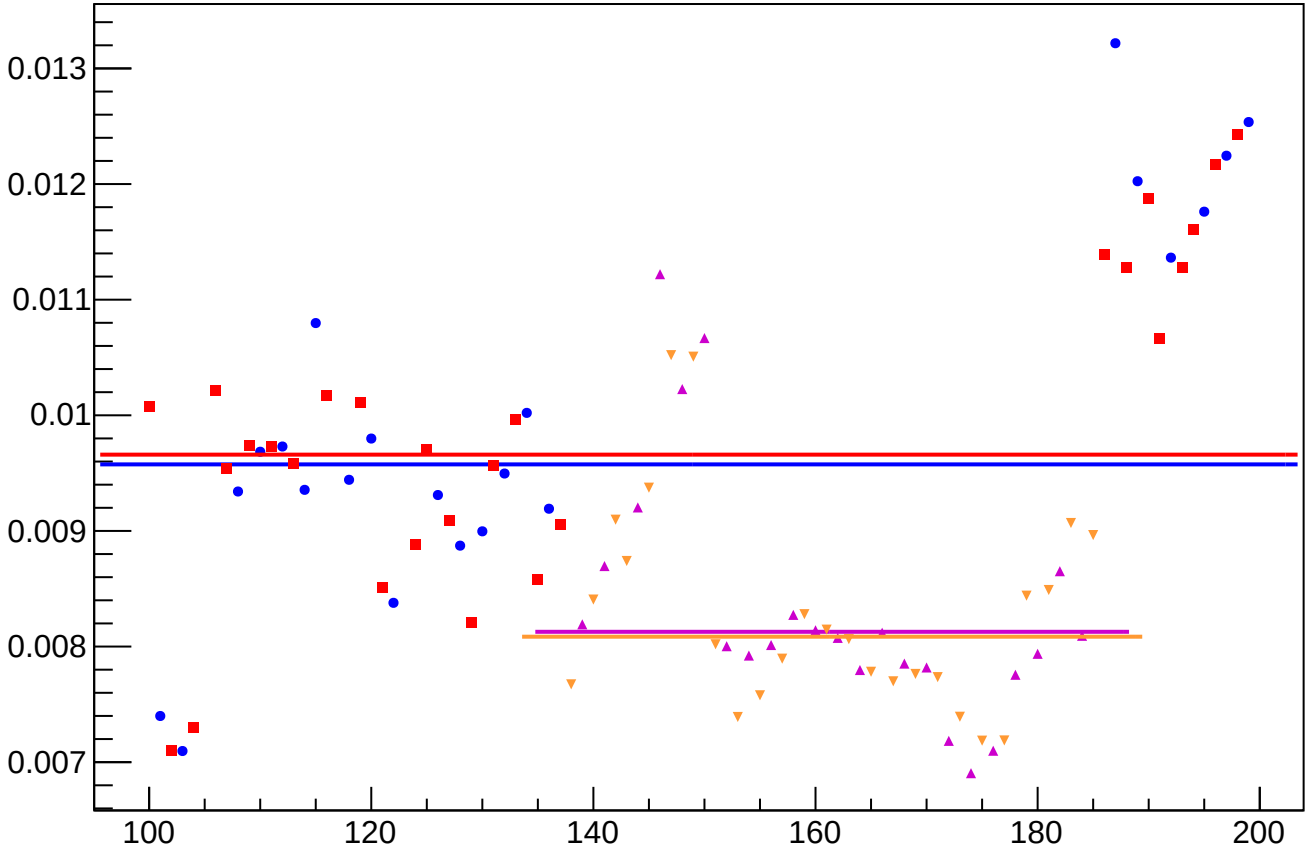
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.168+/-0.000 χ^2/NDF: 20885617169.2/46

All: -1.164+/-0.000 χ^2/NDF: 49806941852.1/

- sign -1.161+/-0.000 χ^2/NDF: 28912773280.3/49

yield_bpm0i02aY_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 635091.3/21

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

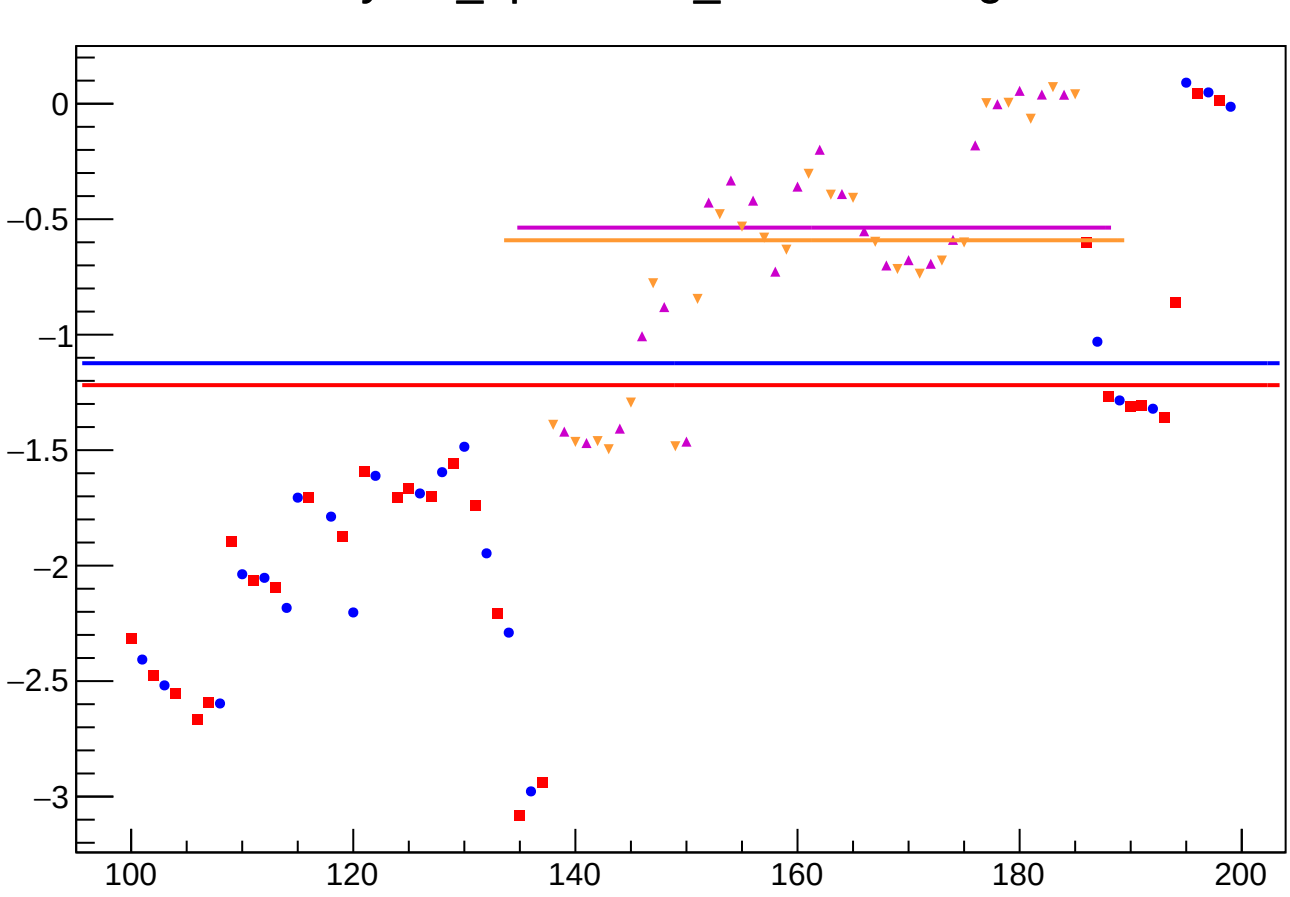
Right Out: 0.010+/-0.000 χ^2/NDF: 649203.9/26

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 1328818.4/46

All: 0.009+/-0.000 χ^2/NDF: 2792799.4/96

- sign 0.009+/-0.000 χ^2/NDF: 1459863.7/49



Right In: -1.124+/-0.000 χ^2/NDF: 265039399401.2/21

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.219+/-0.000 χ^2/NDF: 246005529422.4/26

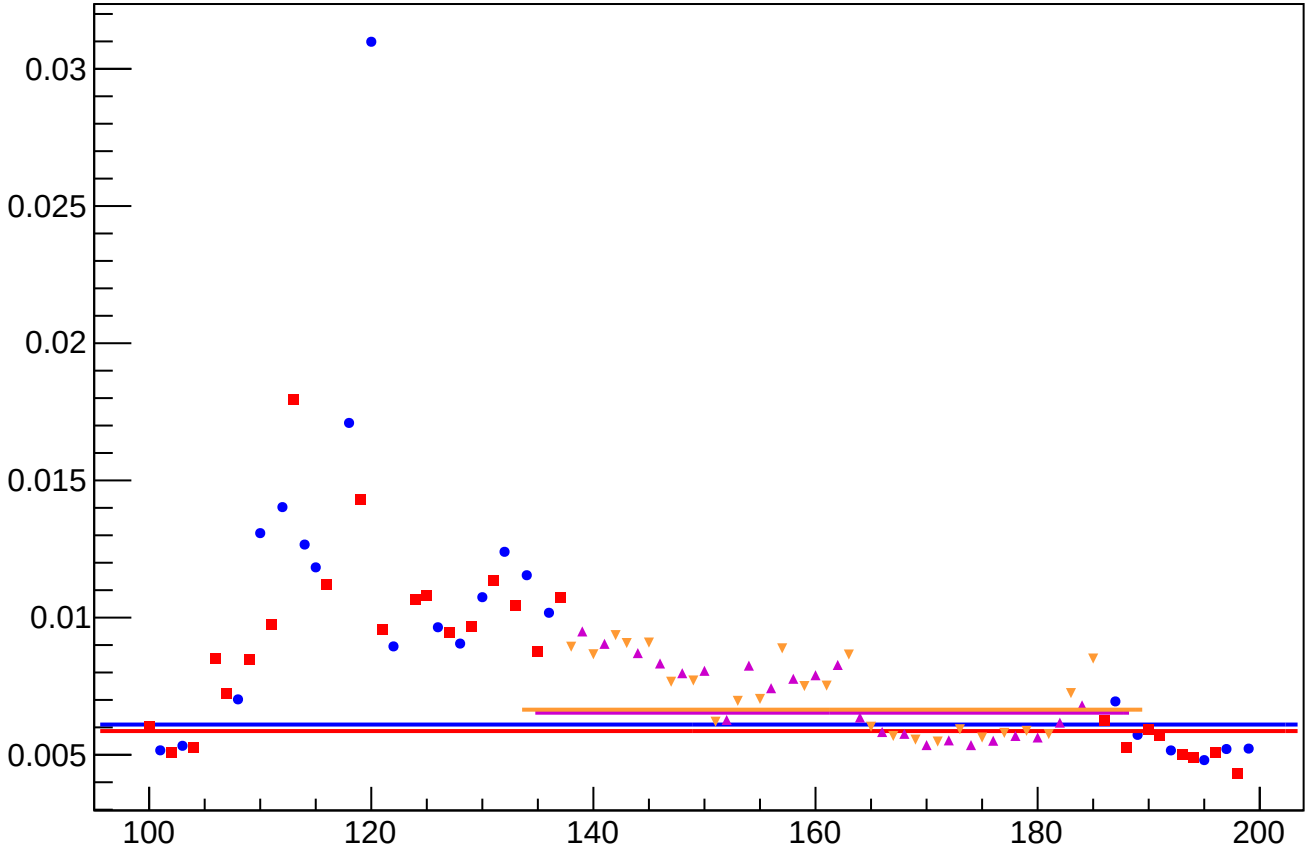
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.795+/-0.000 χ^2/NDF: 378795833720.5/46

All: -0.816+/-0.000 χ^2/NDF: 771434478495.3

- 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: 2400687.3/21

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

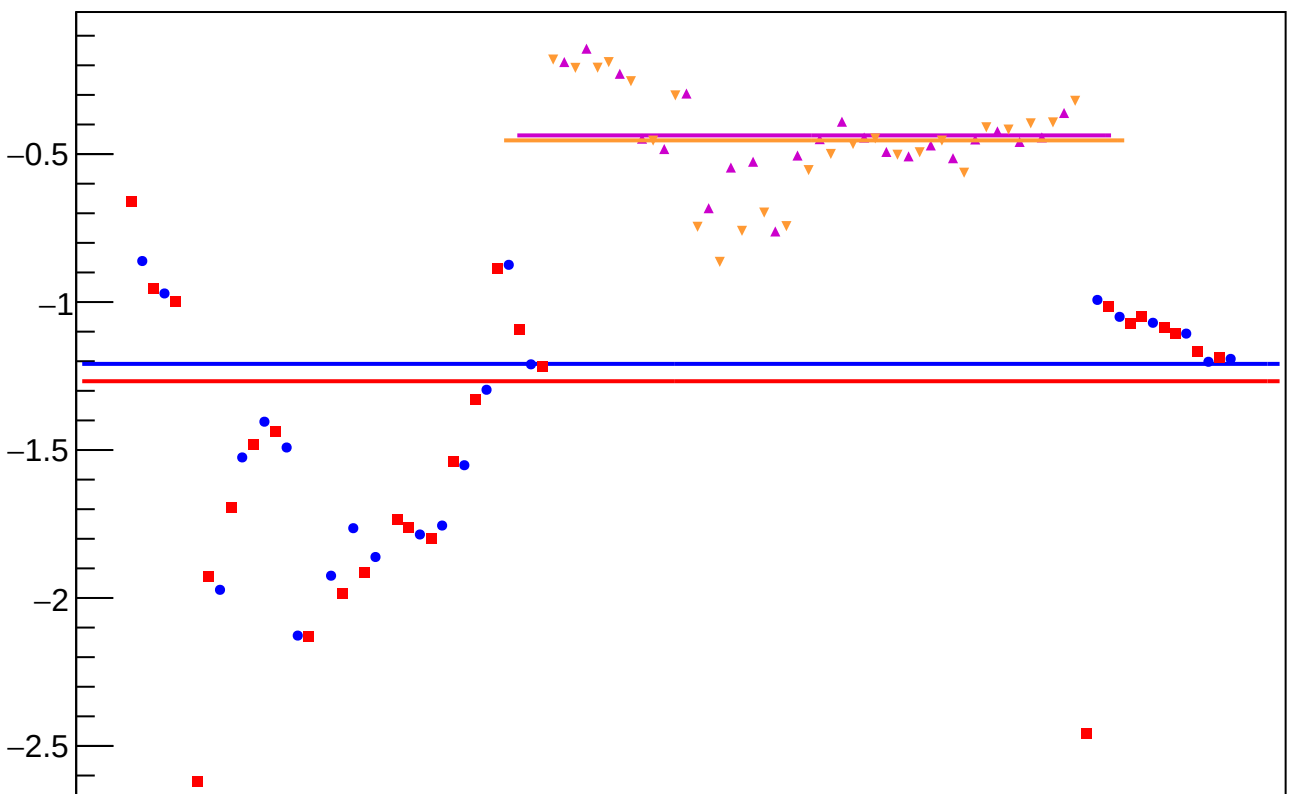
Right Out: 0.006+/-0.000 χ^2/NDF: 2292327.7/26

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 3577911.7/46

All: 0.006+/-0.000 χ^2/NDF: 7192487.1/96

- sign 0.006+/-0.000 χ^2/NDF: 3589766.3/49



Right In: -1.209+/-0.000 χ^2/NDF: 27046465717.0/21

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.268+/-0.000 χ^2/NDF: 71293036296.8/26

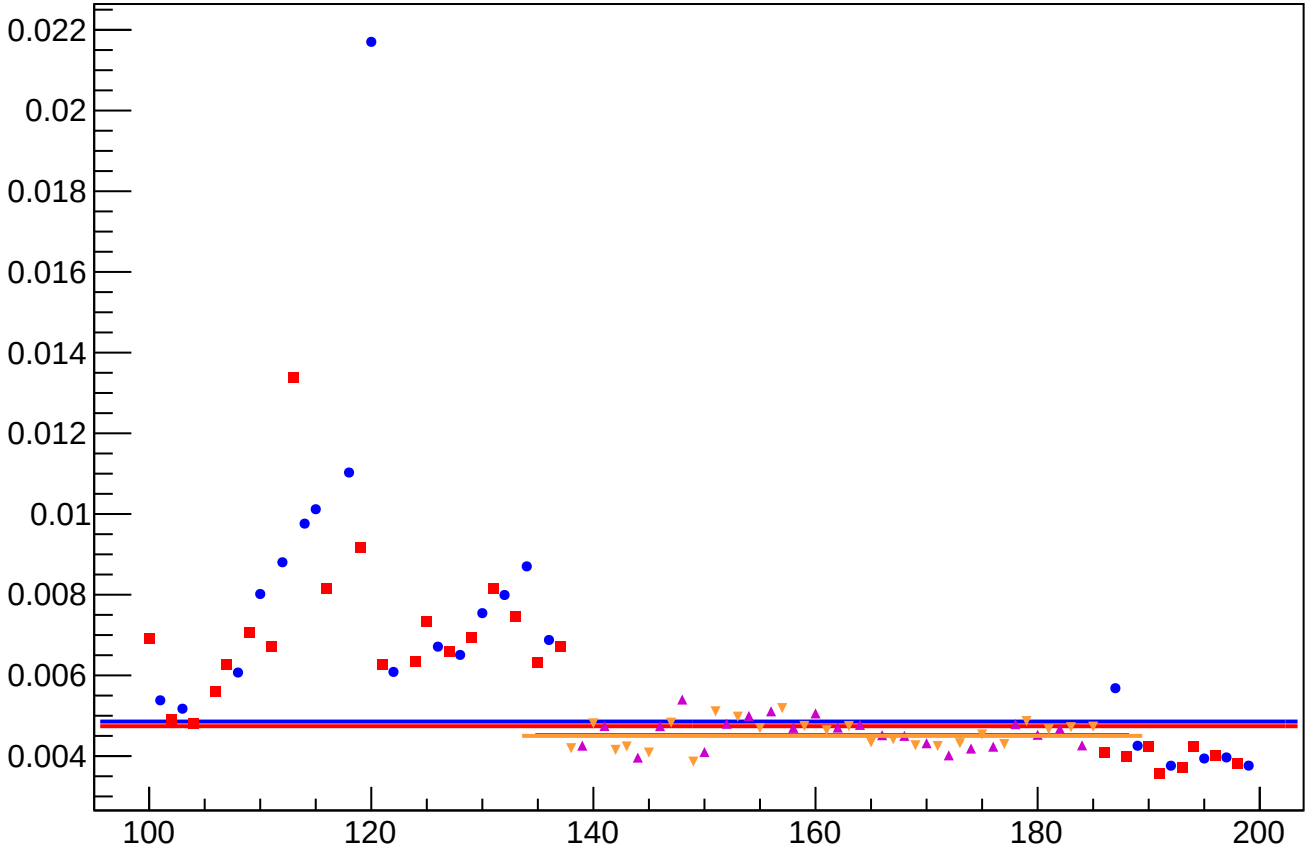
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.684+/-0.000 χ^2/NDF: 207437919973.4/46

All: -0.710+/-0.000 χ^2/NDF: 499773192291.

- 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: 1993028.2/21

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

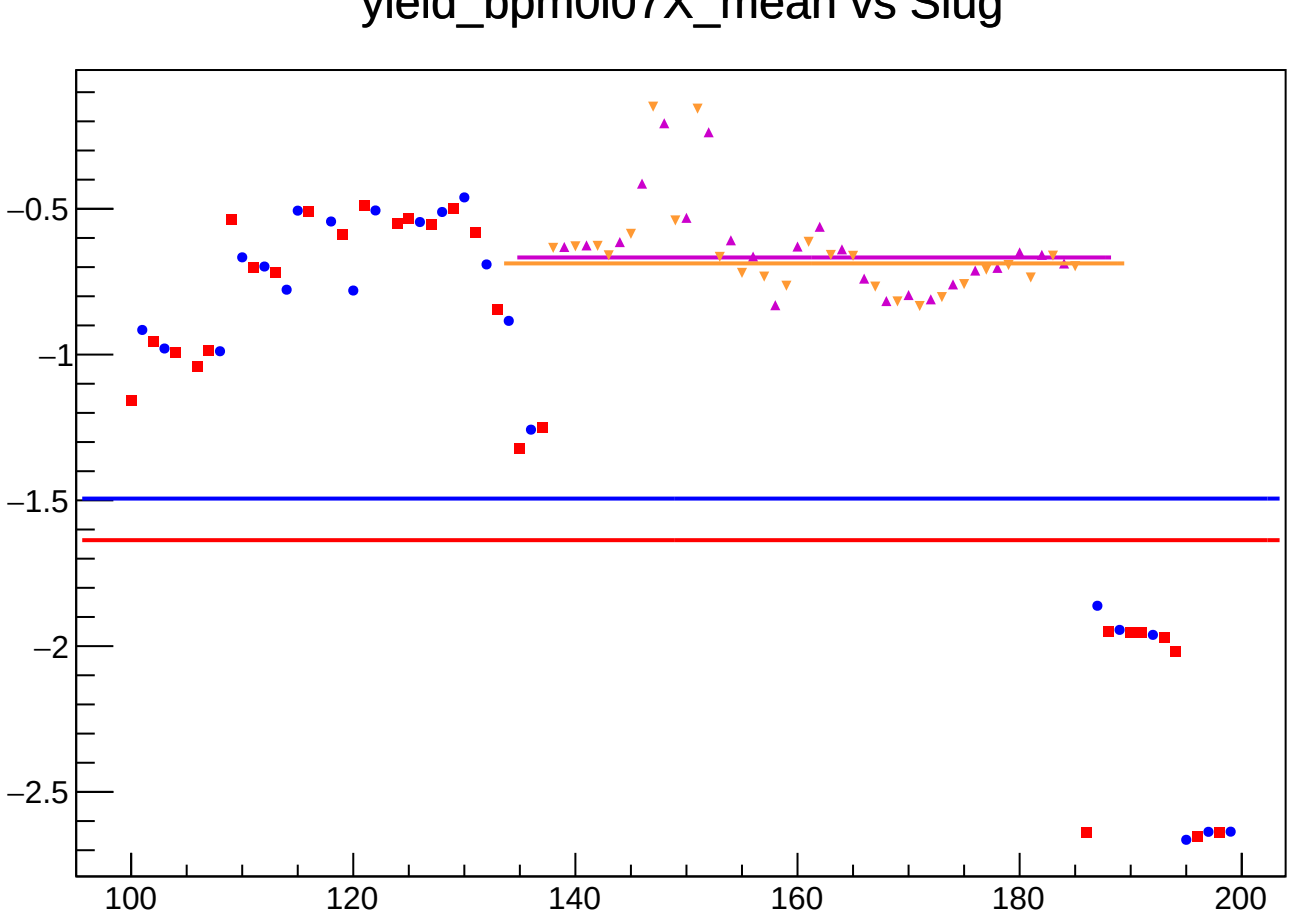
Right Out: 0.005+/-0.000 χ^2/NDF: 1721953.9/26

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2249010.3/46

All: 0.005+/-0.000 χ^2/NDF: 4211532.9/96

- sign 0.005+/-0.000 χ^2/NDF: 1962412.0/49



Right In: -1.494+/-0.000 χ^2/NDF: 183981824247.6/21

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.637+/-0.000 χ^2/NDF: 248655170852.0/26

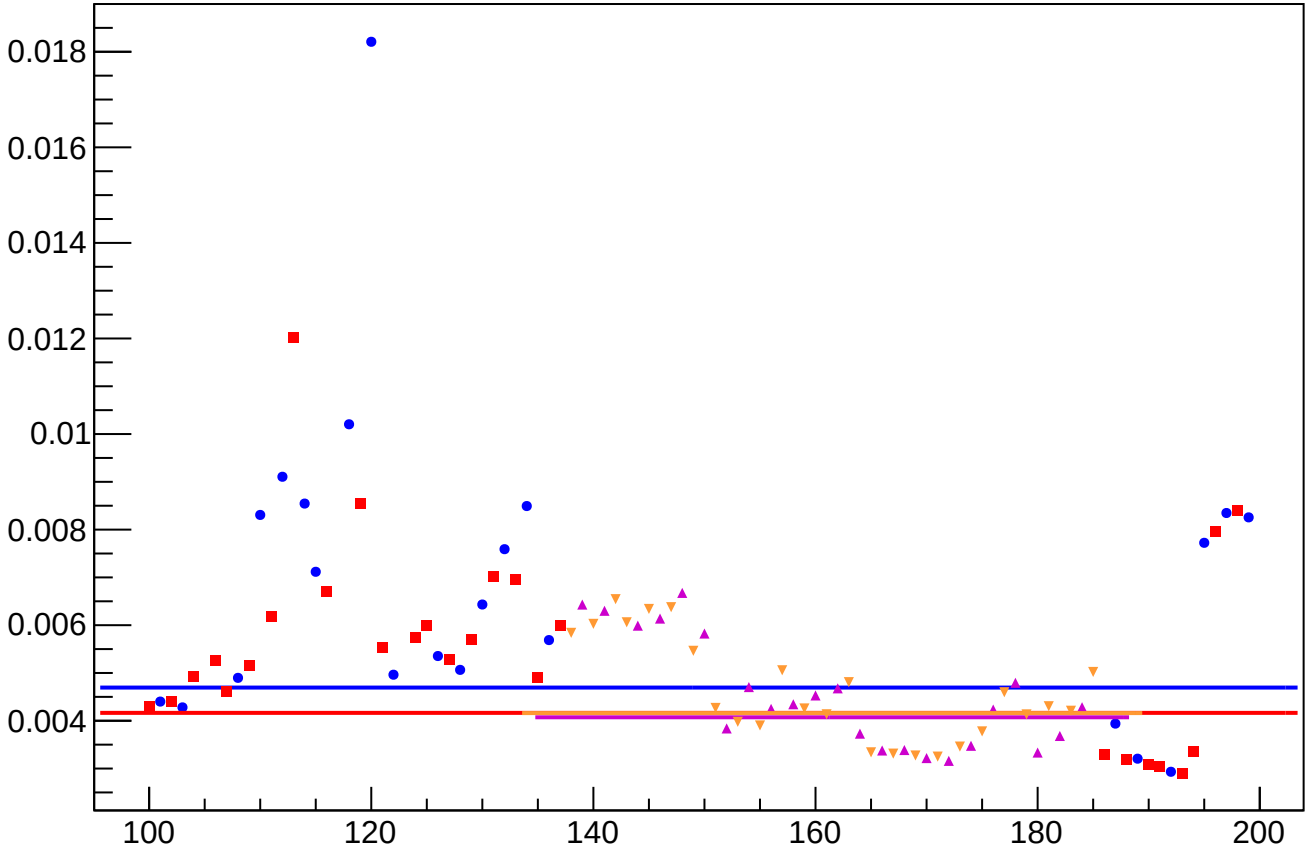
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.922+/-0.000 χ^2/NDF: 389019402882.9/46

All: -0.981+/-0.000 χ^2/NDF: 1006806051993

- 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: 3019233.9/21

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2746602.4/26

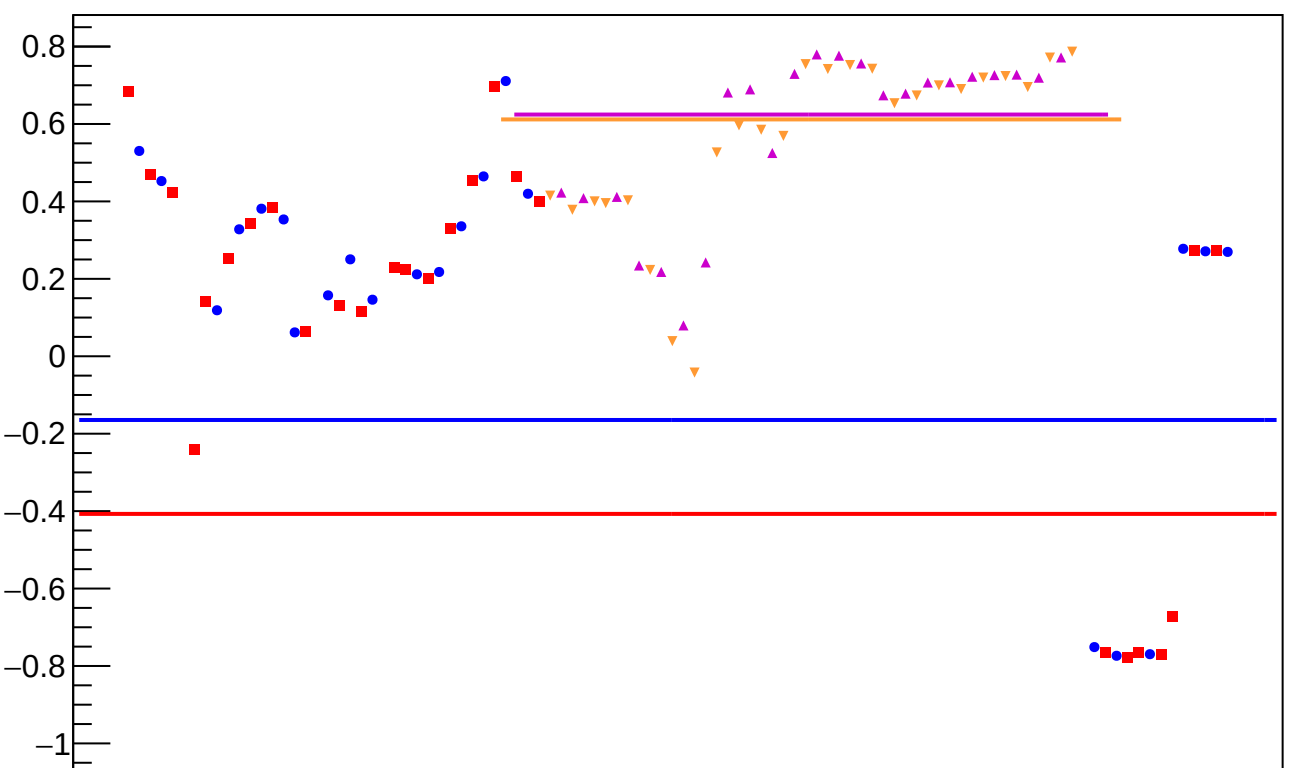
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 4699422.6/46

All: 0.004+/-0.000 χ^2/NDF: 9264884.8/96

- sign 0.004+/-0.000 χ^2/NDF: 4503033.6/49

yield_bpm0i07Y_mean vs Slug



Right In: -0.165+/-0.000 χ^2/NDF: 282939591337.1/21

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.407+/-0.000 χ^2/NDF: 416605488447.4/26

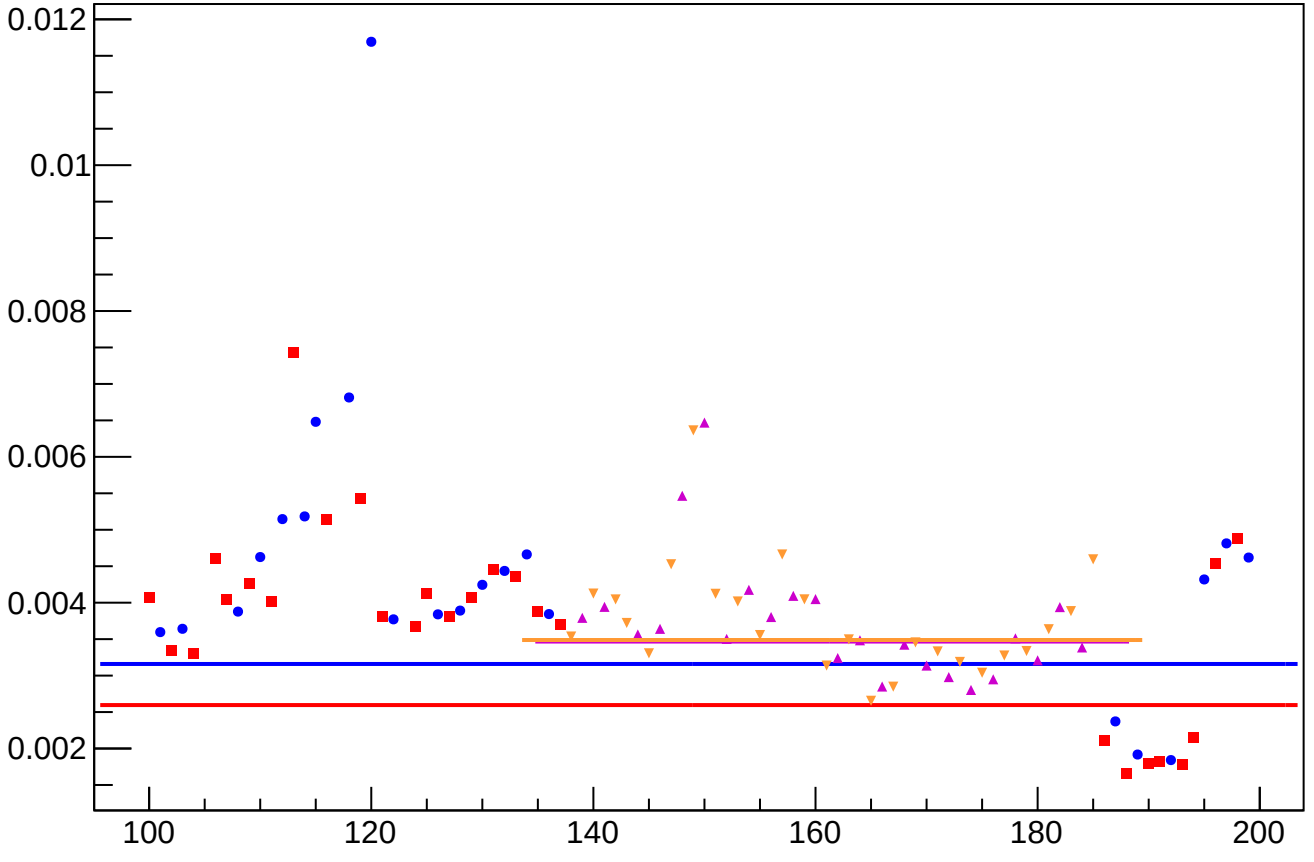
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.298+/-0.000 χ^2/NDF: 650426410361.8/46

All: 0.177+/-0.000 χ^2/NDF: 1880516053933.

- 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: 2936133.9/21

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

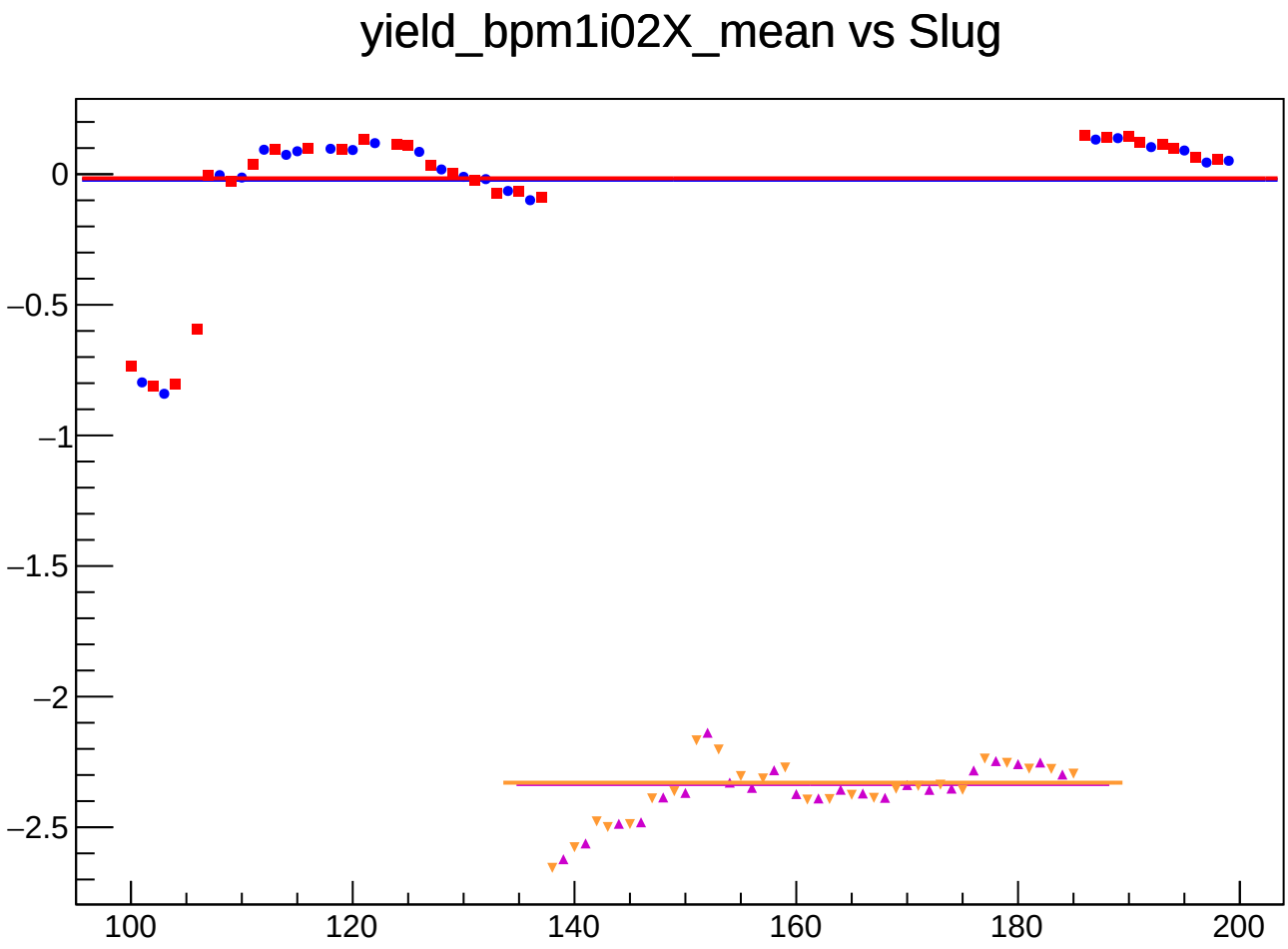
Right Out: 0.003+/-0.000 χ^2/NDF: 3662057.4/26

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 3902169.8/46

All: 0.003+/-0.000 χ^2/NDF: 9774291.6/96

- sign 0.003+/-0.000 χ^2/NDF: 5574722.5/49



Right In: -0.021+/-0.000 χ^2/NDF: 6322507723.8/21

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.016+/-0.000 χ^2/NDF: 7629812763.4/26

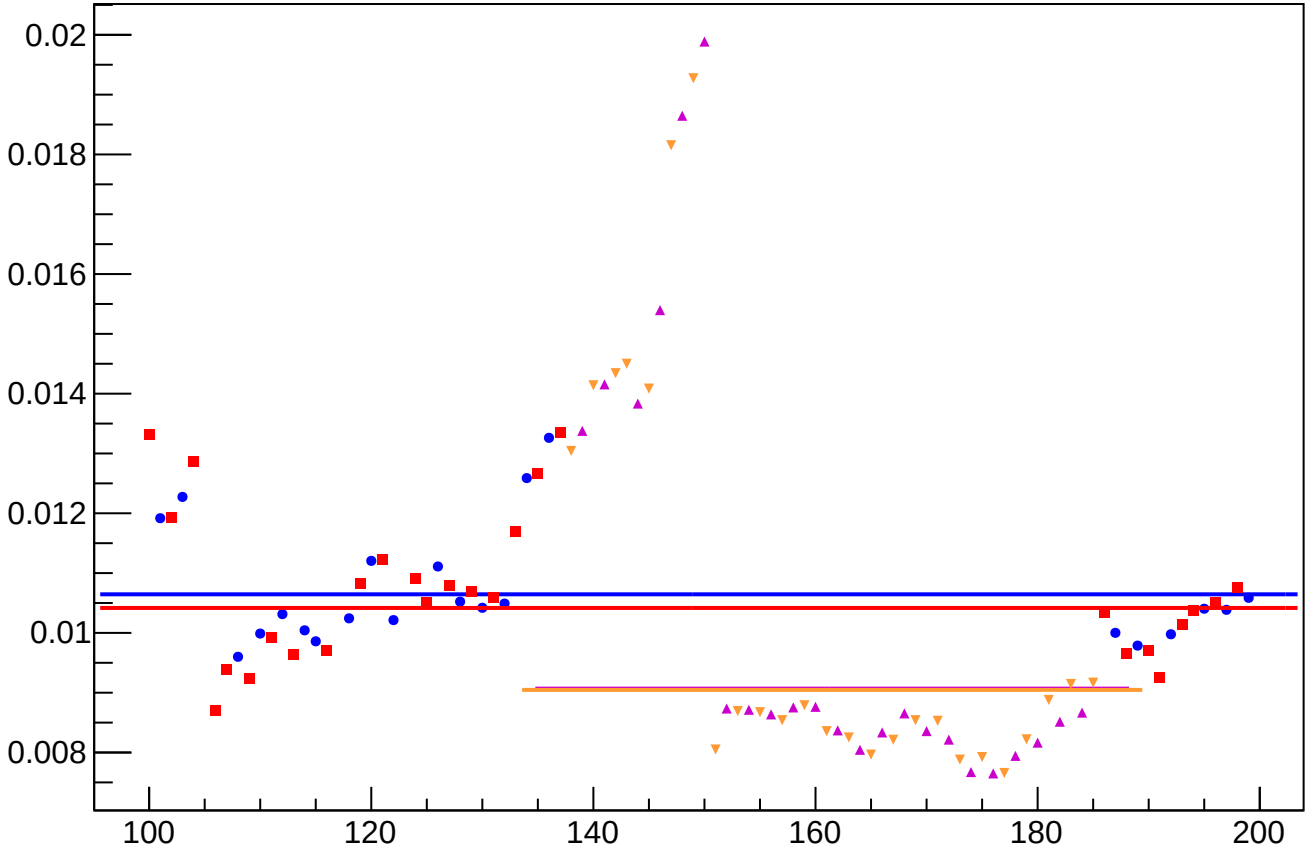
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.611+/-0.000 χ^2/NDF: 376778587588.1/46

All: -1.557+/-0.000 χ^2/NDF: 790249778573.4

- 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: 166382.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 222636.1/26

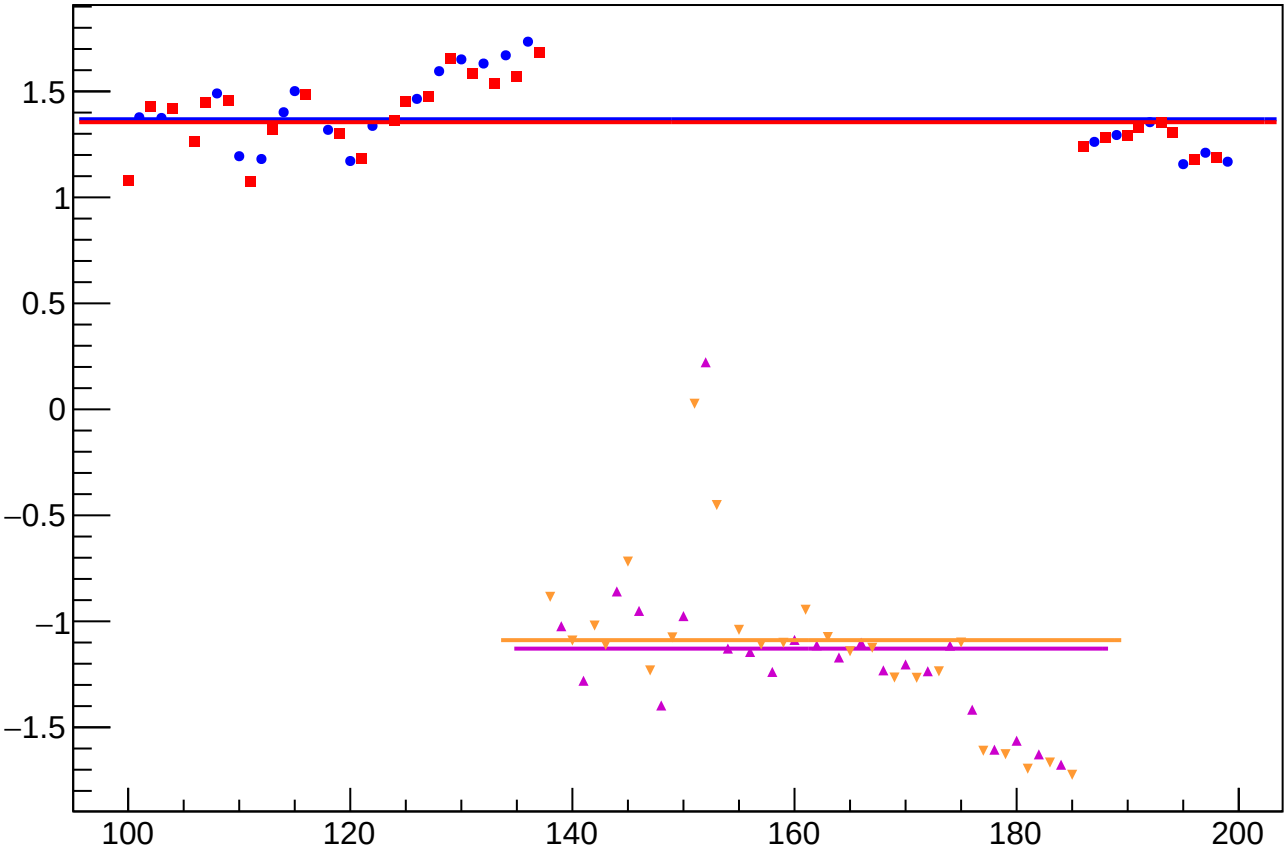
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2568483.2/46

All: 0.010+/-0.000 χ^2/NDF: 5197695.5/96

- sign 0.010+/-0.000 χ^2/NDF: 2629195.0/49

yield_bpm1i02Y_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF: 6183004859.1/21

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.355+/-0.000 χ^2/NDF: 4404108174.4/26

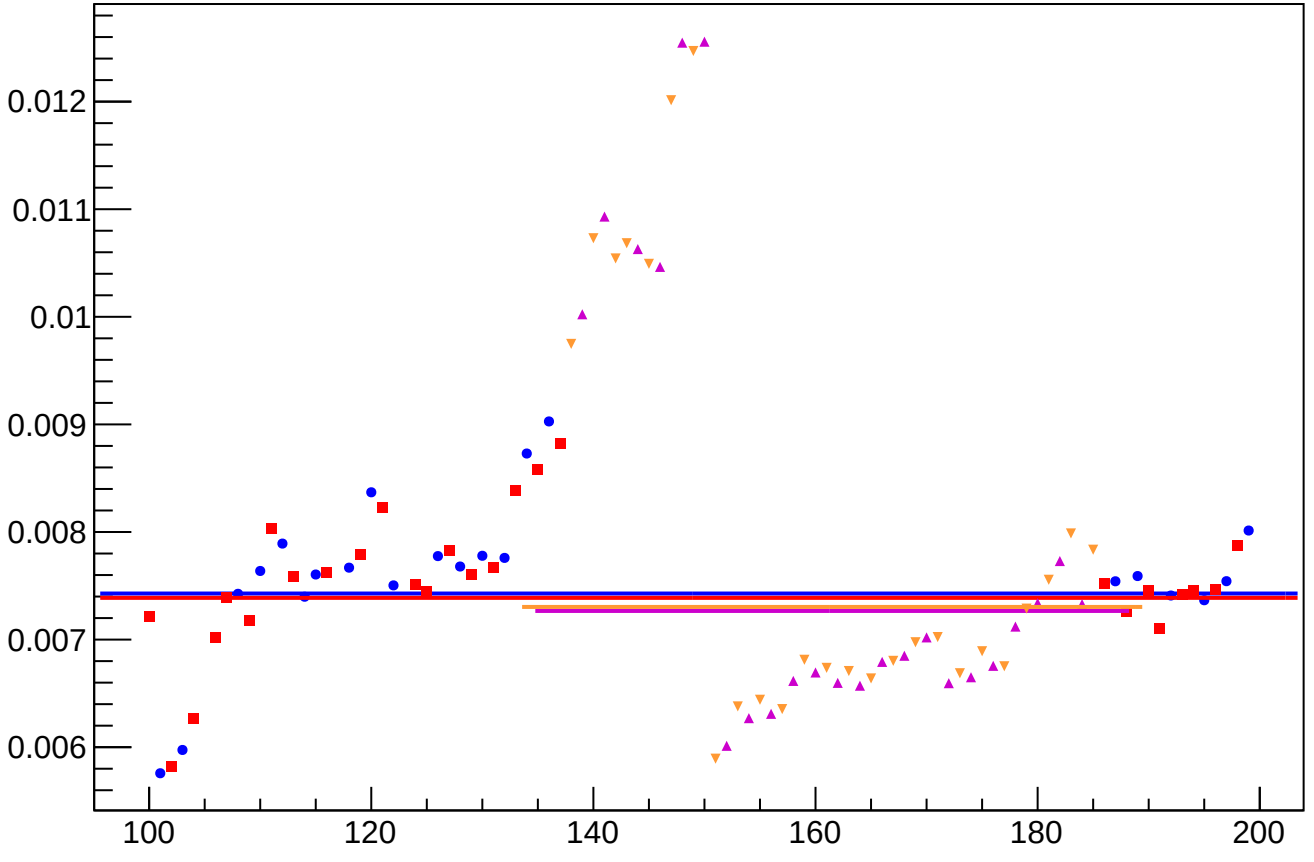
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.175+/-0.000 χ^2/NDF: 845070882407.2/46

All: -0.140+/-0.000 χ^2/NDF: 1750435815407

- 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: 283062.1/21

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 204584.8/26

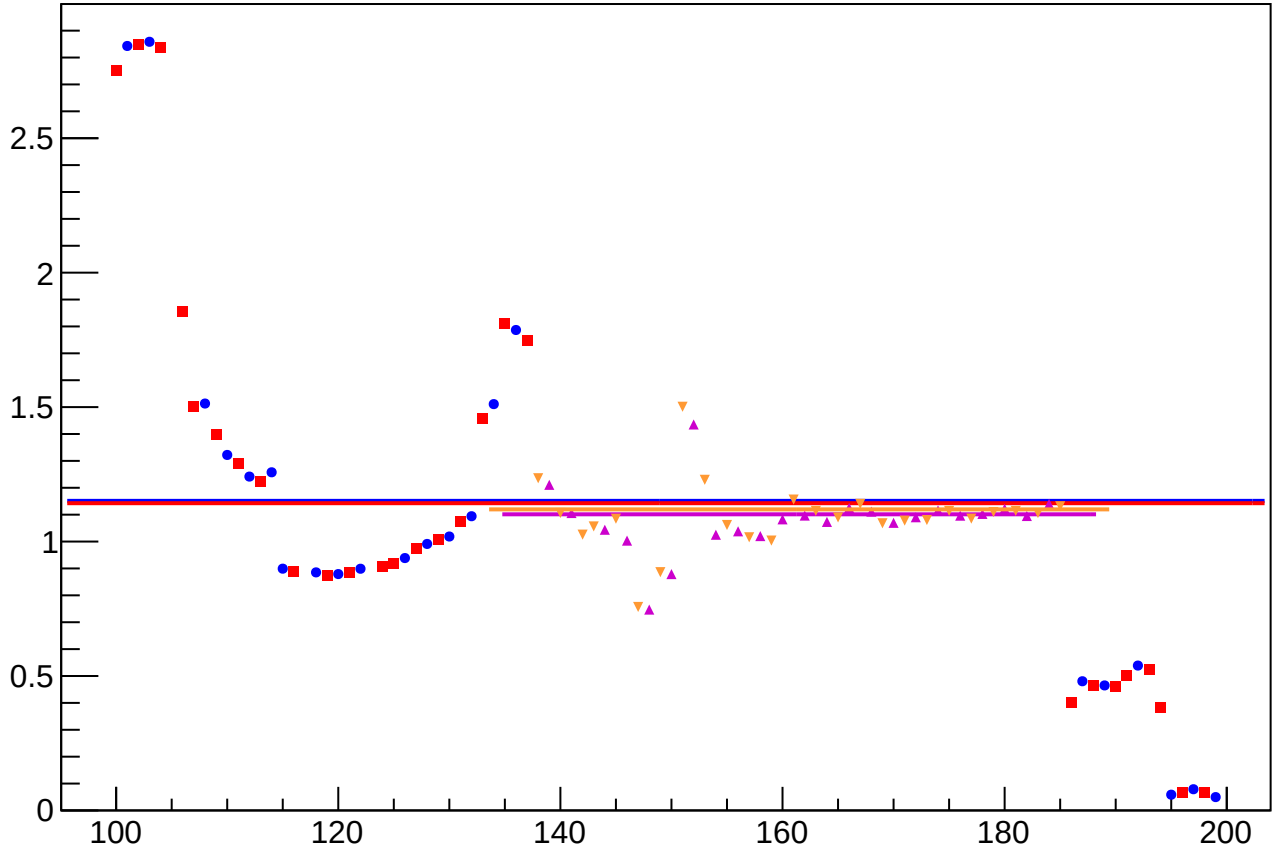
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1791166.0/46

All: 0.007+/-0.000 χ^2/NDF: 3560500.3/96

- sign 0.007+/-0.000 χ^2/NDF: 1768709.8/49

yield_bpm1i04X_mean vs Slug



Right In: 1.151+/-0.000 χ^2/NDF: 102021273011.8/21

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.143+/-0.000 χ^2/NDF: 99633036367.7/26

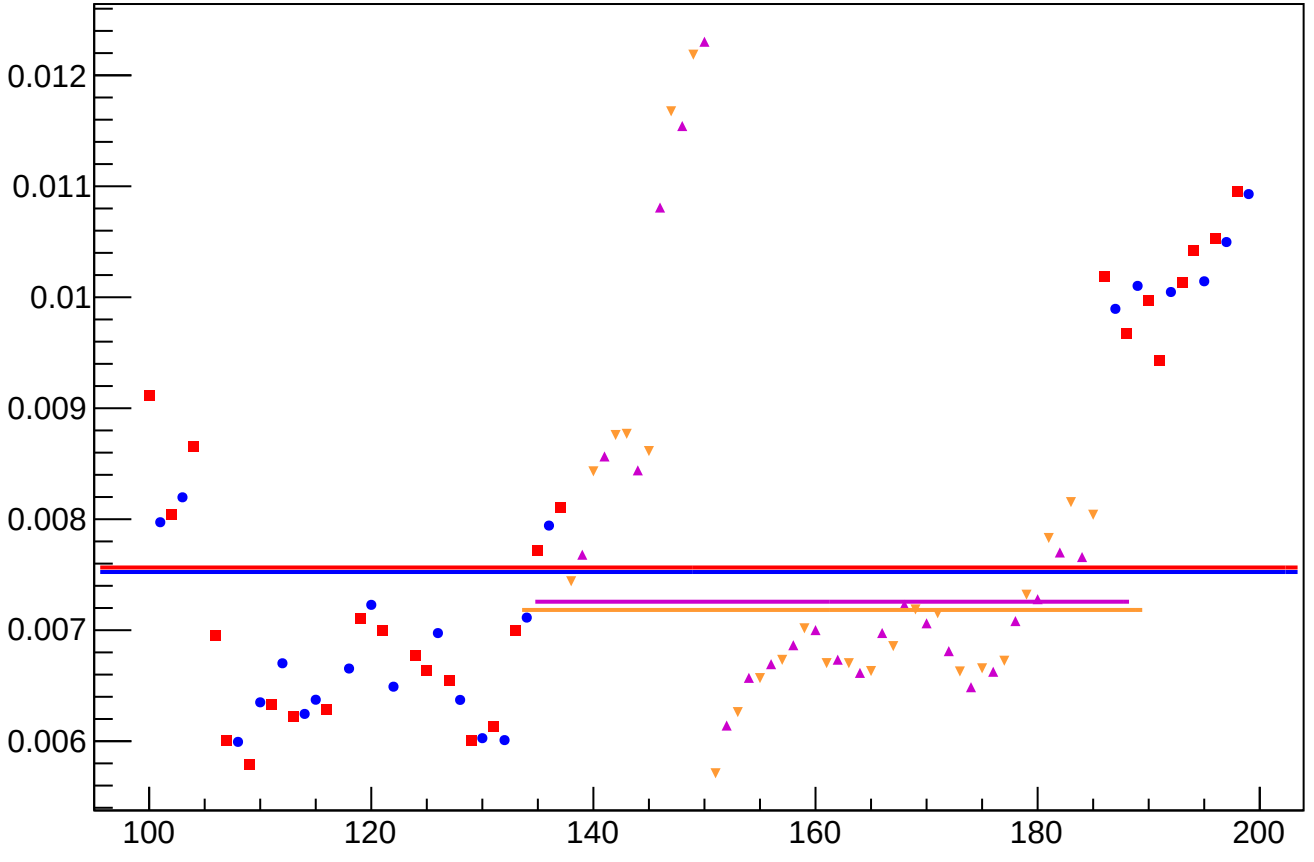
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.131+/-0.000 χ^2/NDF: 107662604882.0/46

All: 1.124+/-0.000 χ^2/NDF: 211767916315.2

- sign 1.117+/-0.000 χ^2/NDF: 104056601837.9/49

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 964664.7/21

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: 1887871.6/46

All: 0.007+/-0.000 χ^2/NDF: 3986326.6/96

- sign 0.007+/-0.000 χ^2/NDF: 2095420.7/49

yield_bpm1i04Y_mean vs Slug

Right In: 1.529+/-0.000 χ^2/NDF: 1465547407046.5/21

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.393+/-0.000 χ^2/NDF: 1689127744904.9/26

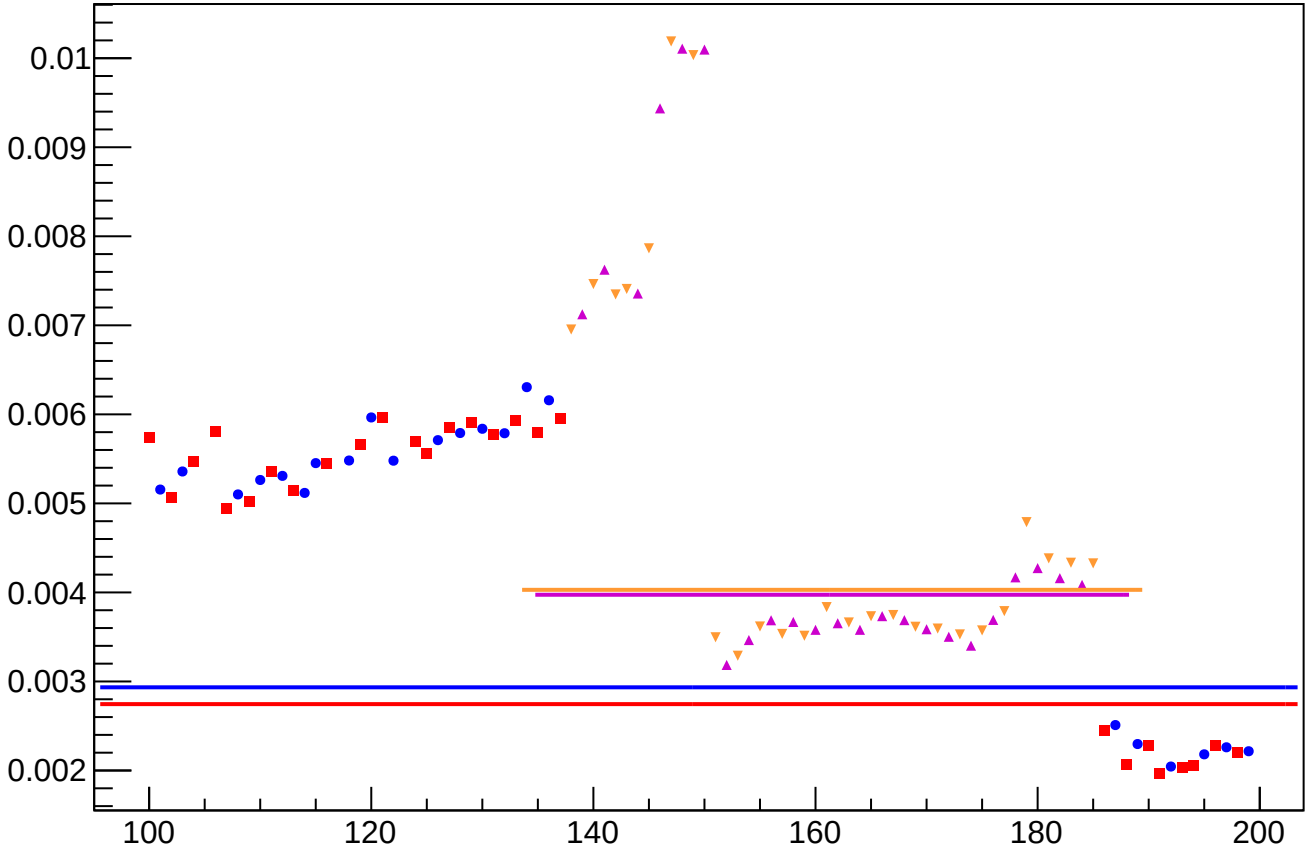
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.071+/-0.000 χ^2/NDF: 2156315637390.7/46

All: 1.063+/-0.000 χ^2/NDF: 4448242242376.

- 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: 4197898.7/21

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4575048.4/26

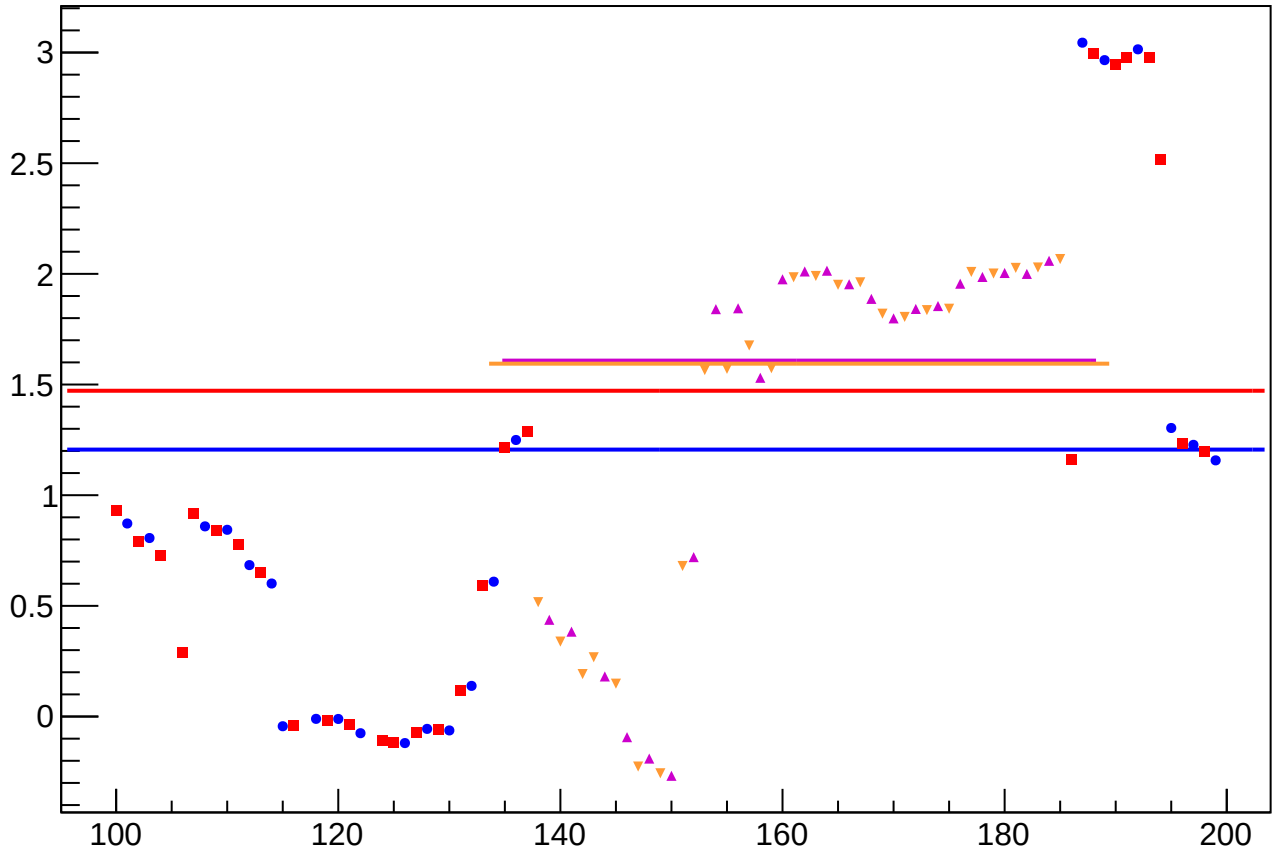
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 8424937.0/46

All: 0.003+/-0.000 χ^2/NDF: 17962298.7/96

- sign 0.003+/-0.000 χ^2/NDF: 9445799.1/49

yield_bpm1i06X_mean vs Slug



Right In: 1.206+/-0.000 χ^2/NDF: 77470923246.9/21

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.472+/-0.000 χ^2/NDF: 103305456205.0/26

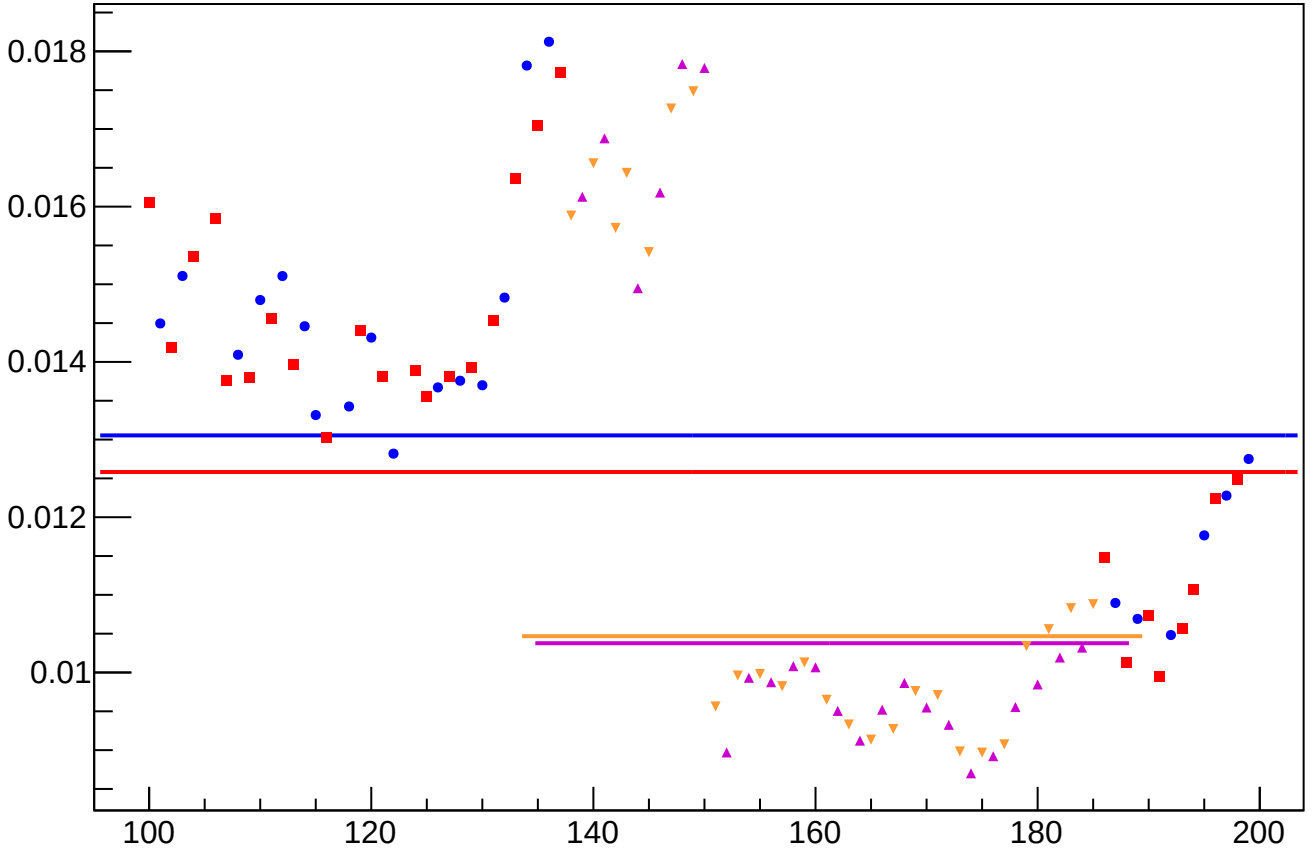
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.485+/-0.000 χ^2/NDF: 147187954594.0/46

All: 1.525+/-0.000 χ^2/NDF: 318598343810.8

- 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: 494772.0/21

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 589159.7/26

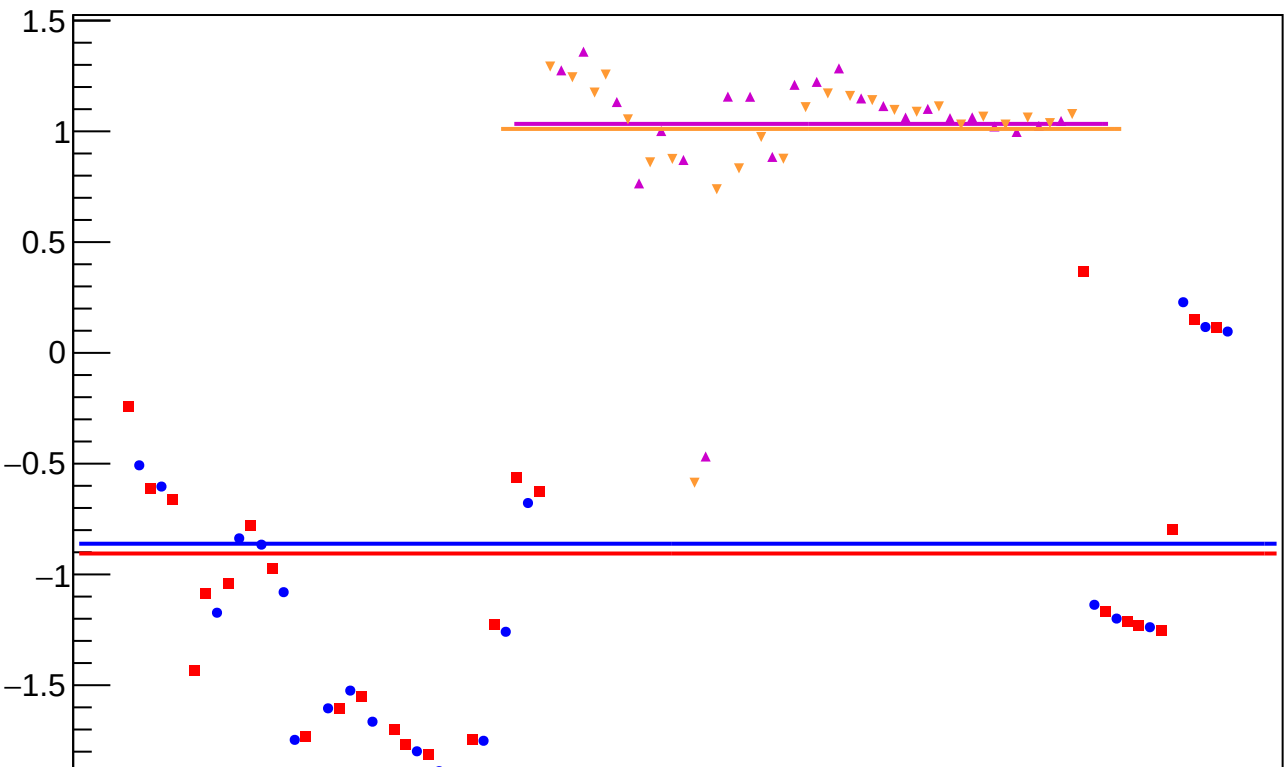
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2784875.7/46

All: 0.011+/-0.000 χ^2/NDF: 5595930.3/96

- sign 0.011+/-0.000 χ^2/NDF: 2808662.6/49

yield_bpm1i06Y_mean vs Slug



Right In: -0.861+/-0.000 χ^2/NDF: 132776151587.8/21

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.906+/-0.000 χ^2/NDF: 112161923604.2/26

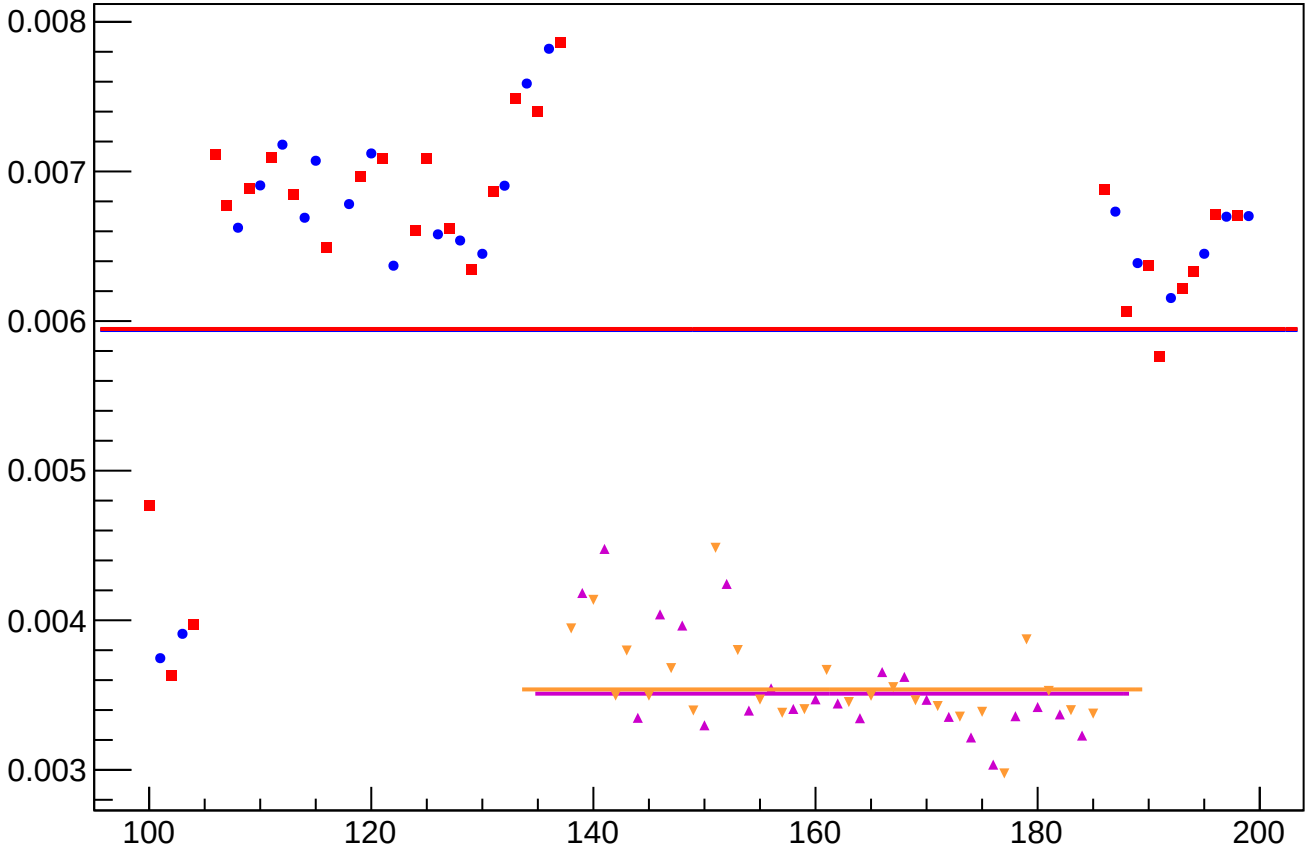
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.686+/-0.000 χ^2/NDF: 1099870282067.2/46

All: 0.671+/-0.000 χ^2/NDF: 2324859232025.

- 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: 1037562.5/21

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1077643.8/26

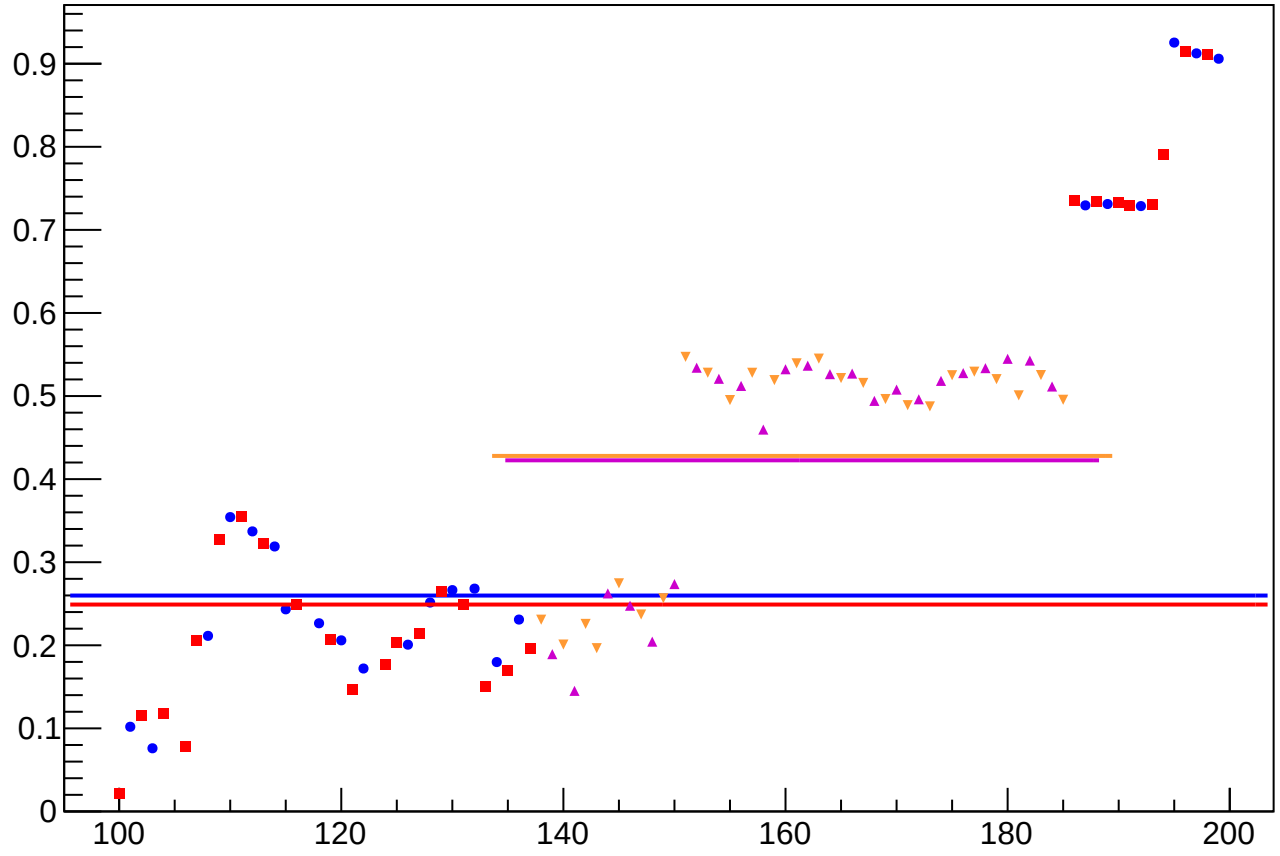
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 4071423.8/46

All: 0.004+/-0.000 χ^2/NDF: 8553534.8/96

- sign 0.004+/-0.000 χ^2/NDF: 4480635.2/49

yield_bpm2i01X_mean vs Slug



Right In: 0.260+/-0.000 χ^2/NDF: 106287605521.2/21

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.249+/-0.000 χ^2/NDF: 123770114698.2/26

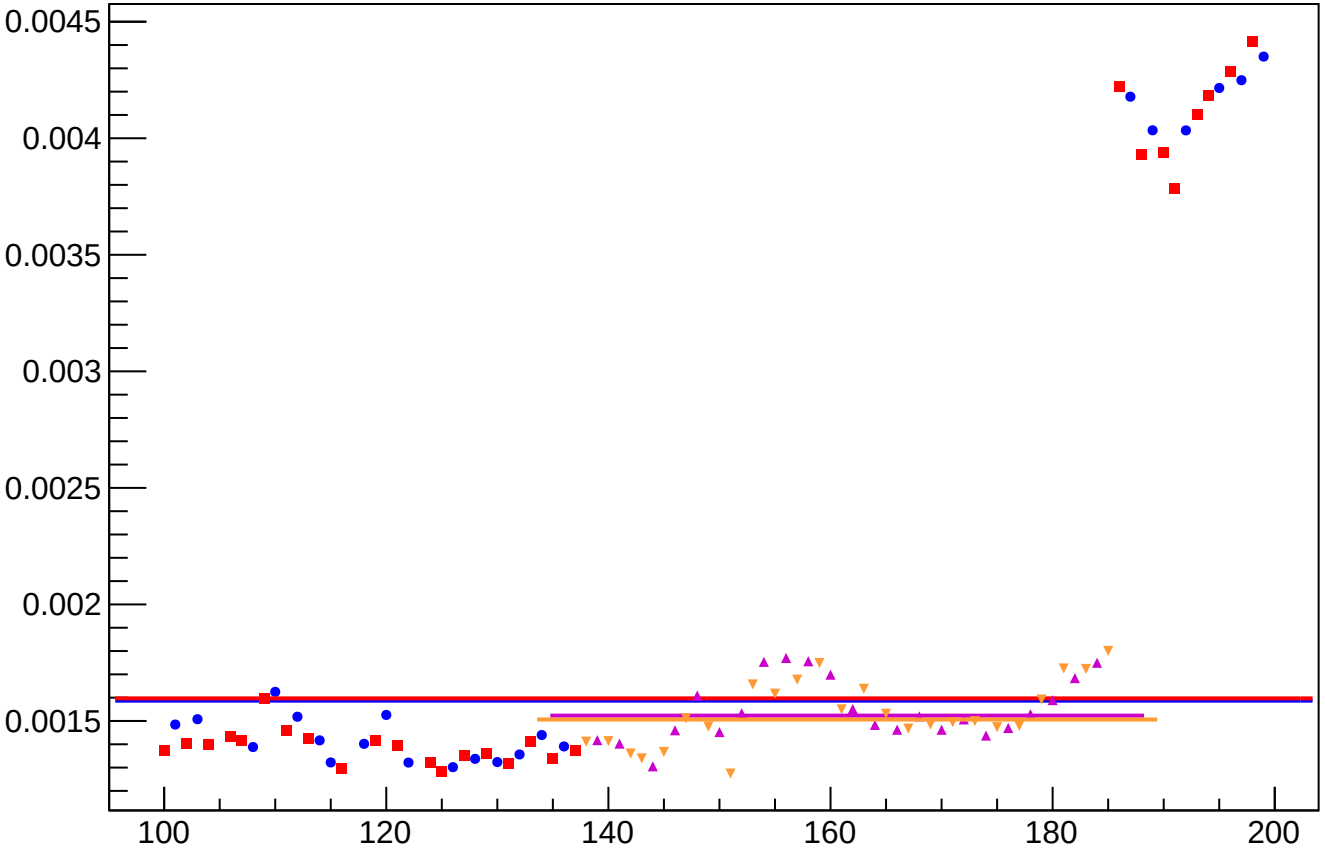
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.376+/-0.000 χ^2/NDF: 333380225469.9/46

All: 0.369+/-0.000 χ^2/NDF: 697212015754.4

- 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: 3577466.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

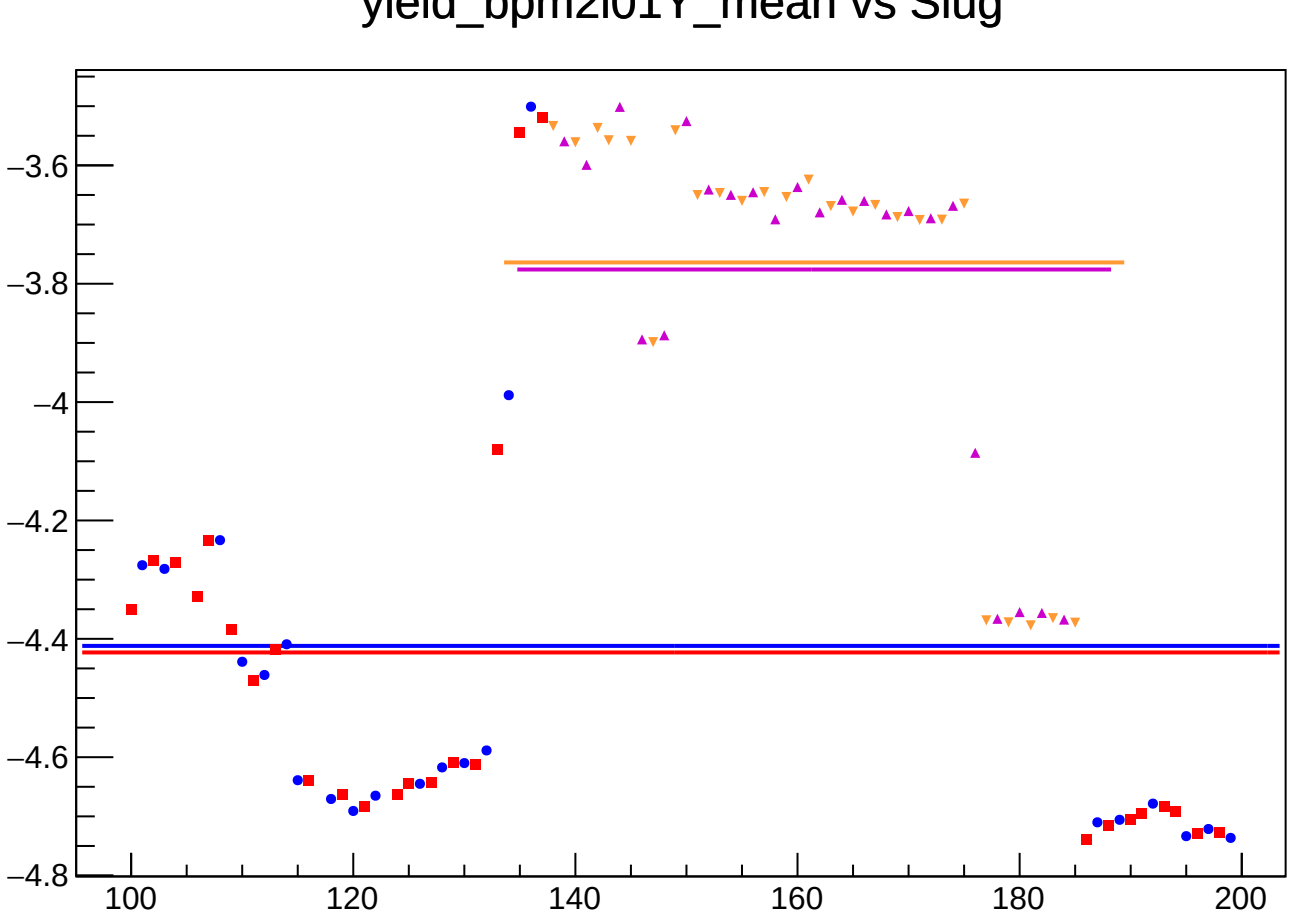
Right Out: 0.002+/-0.000 χ^2/NDF: 4361948.6/26

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 3890414.8/46

All: 0.002+/-0.000 χ^2/NDF: 8520115.5/96

- sign 0.002+/-0.000 χ^2/NDF: 4626109.4/49



Right In: -4.412+/-0.000 χ^2/NDF: 394710737256.9/21

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.423+/-0.000 χ^2/NDF: 345961032922.3/26

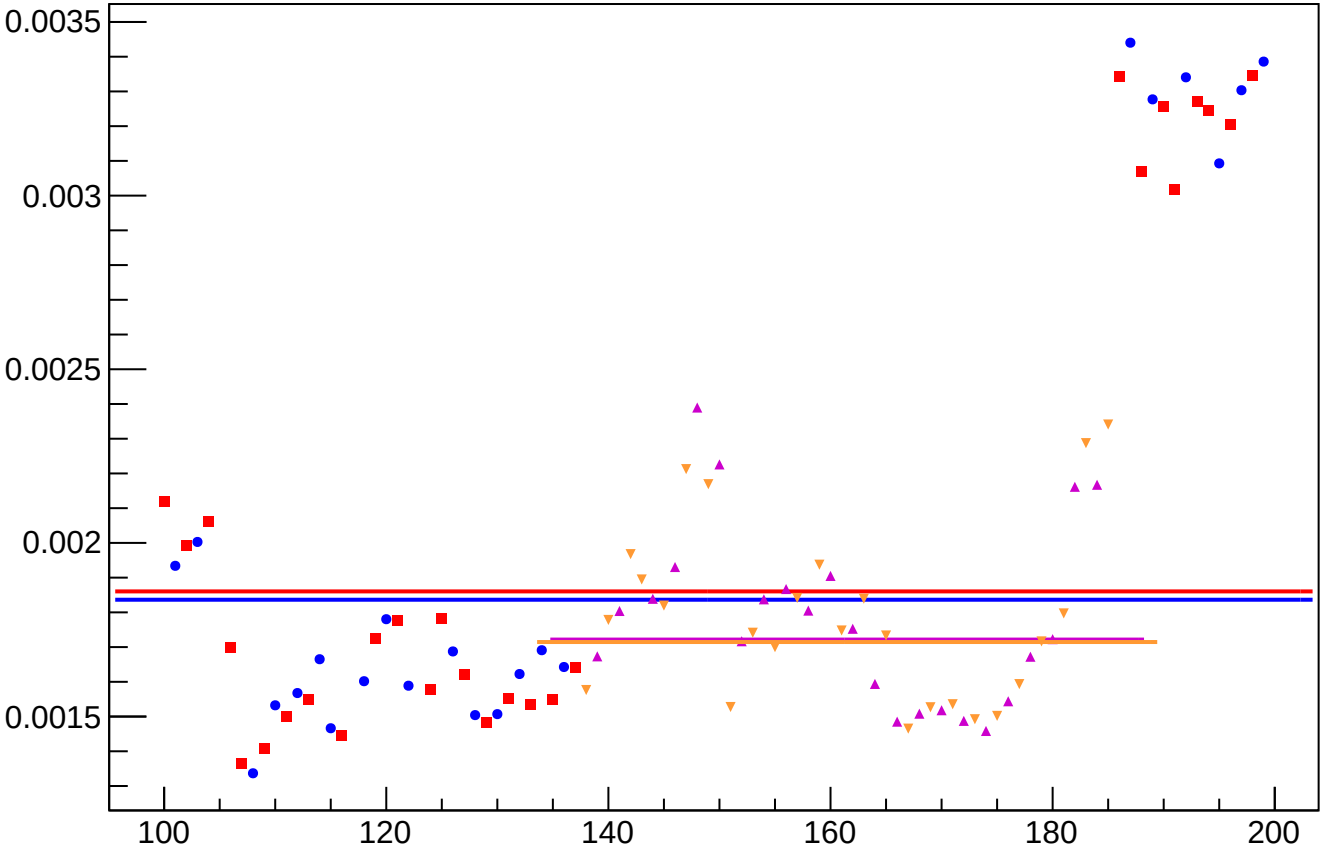
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.973+/-0.000 χ^2/NDF: 1733585850125.7/4

All: -3.989+/-0.000 χ^2/NDF: 3366723441667

- 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: 2029339.8/21

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2412582.2/26

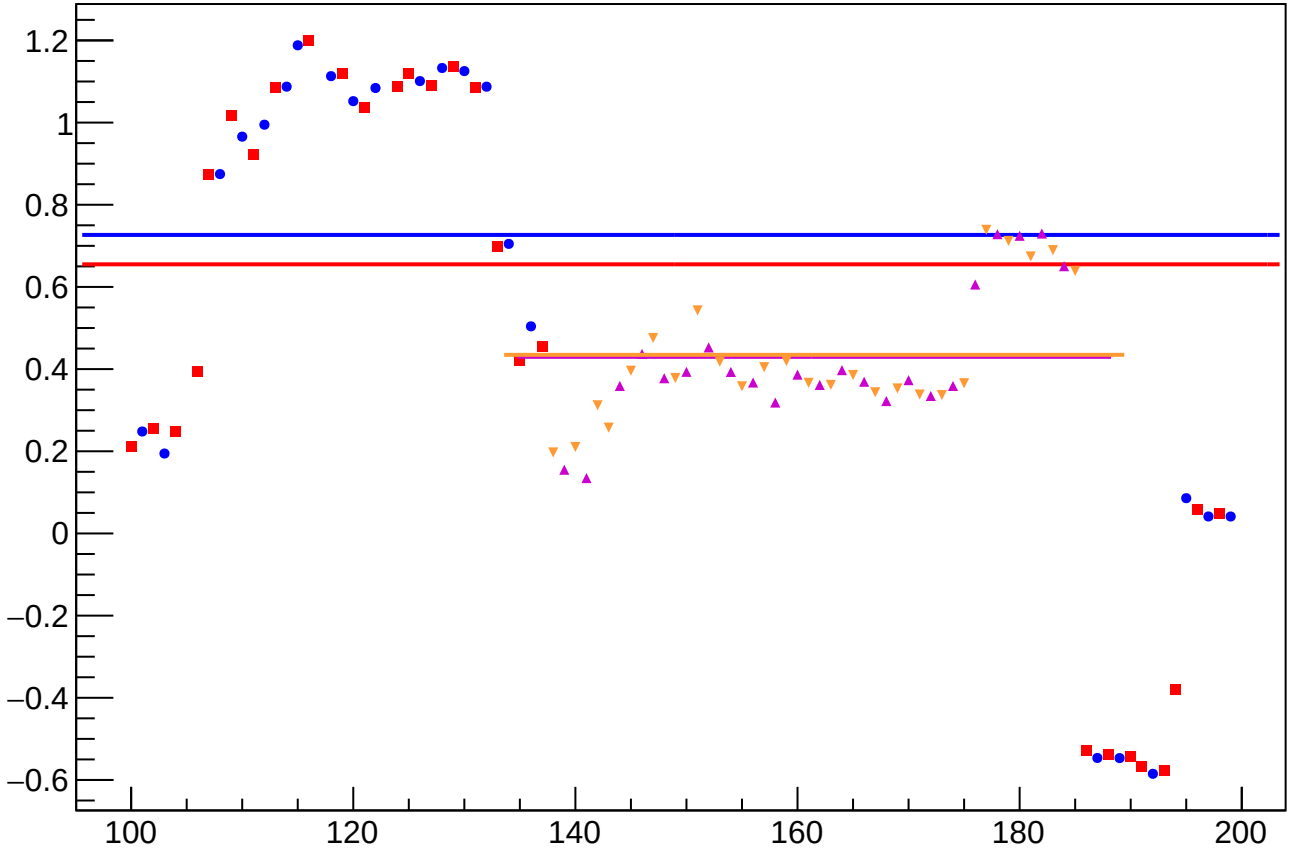
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 2652117.8/46

All: 0.002+/-0.000 χ^2/NDF: 5730088.4/96

- sign 0.002+/-0.000 χ^2/NDF: 3075335.7/49

yield_bpm2i02X_mean vs Slug



Right In: 0.727+/-0.000 χ^2/NDF: 56530654046.5/21

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.655+/-0.000 χ^2/NDF: 78767900567.8/26

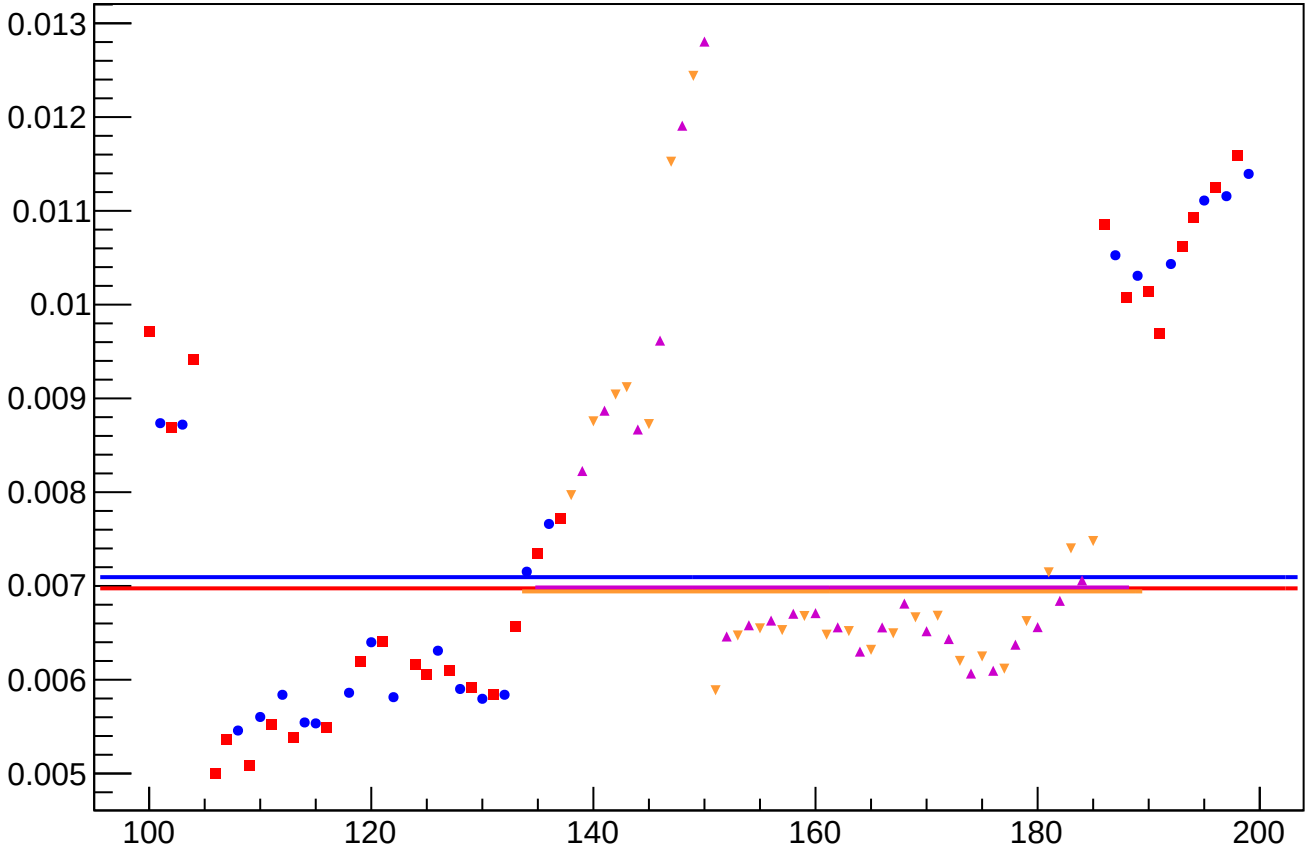
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.538+/-0.000 χ^2/NDF: 76723171005.8/46

All: 0.529+/-0.000 χ^2/NDF: 171971705517.1

- 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: 1593352.8/21

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

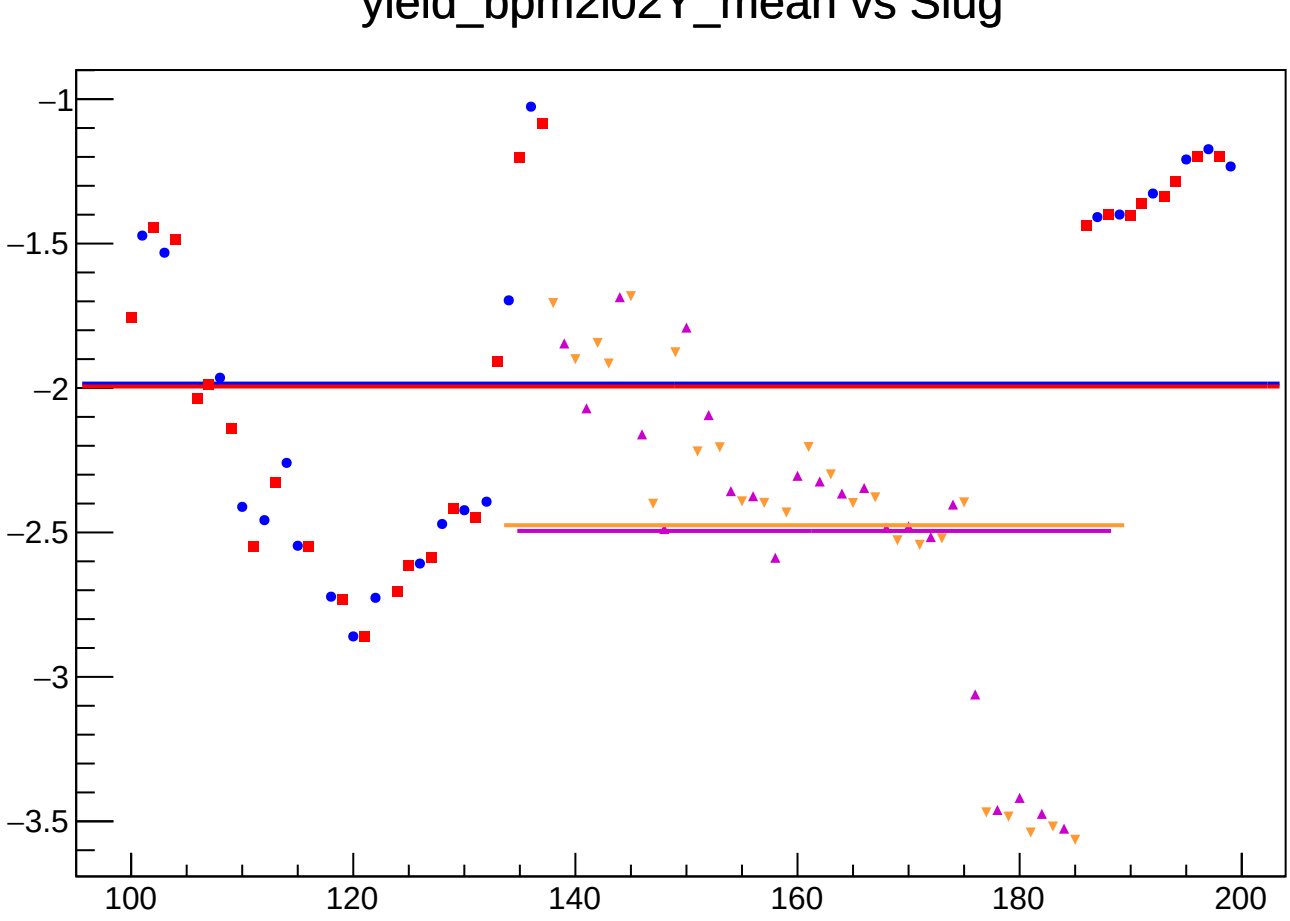
Right Out: 0.007+/-0.000 χ^2/NDF: 2056563.9/26

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 2690618.2/46

All: 0.007+/-0.000 χ^2/NDF: 5883880.2/96

- sign 0.007+/-0.000 χ^2/NDF: 3193118.1/49



Right In: -1.985+/-0.000 χ^2/NDF: 93956345335.0/21

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.995+/-0.000 χ^2/NDF: 91042358475.0/26

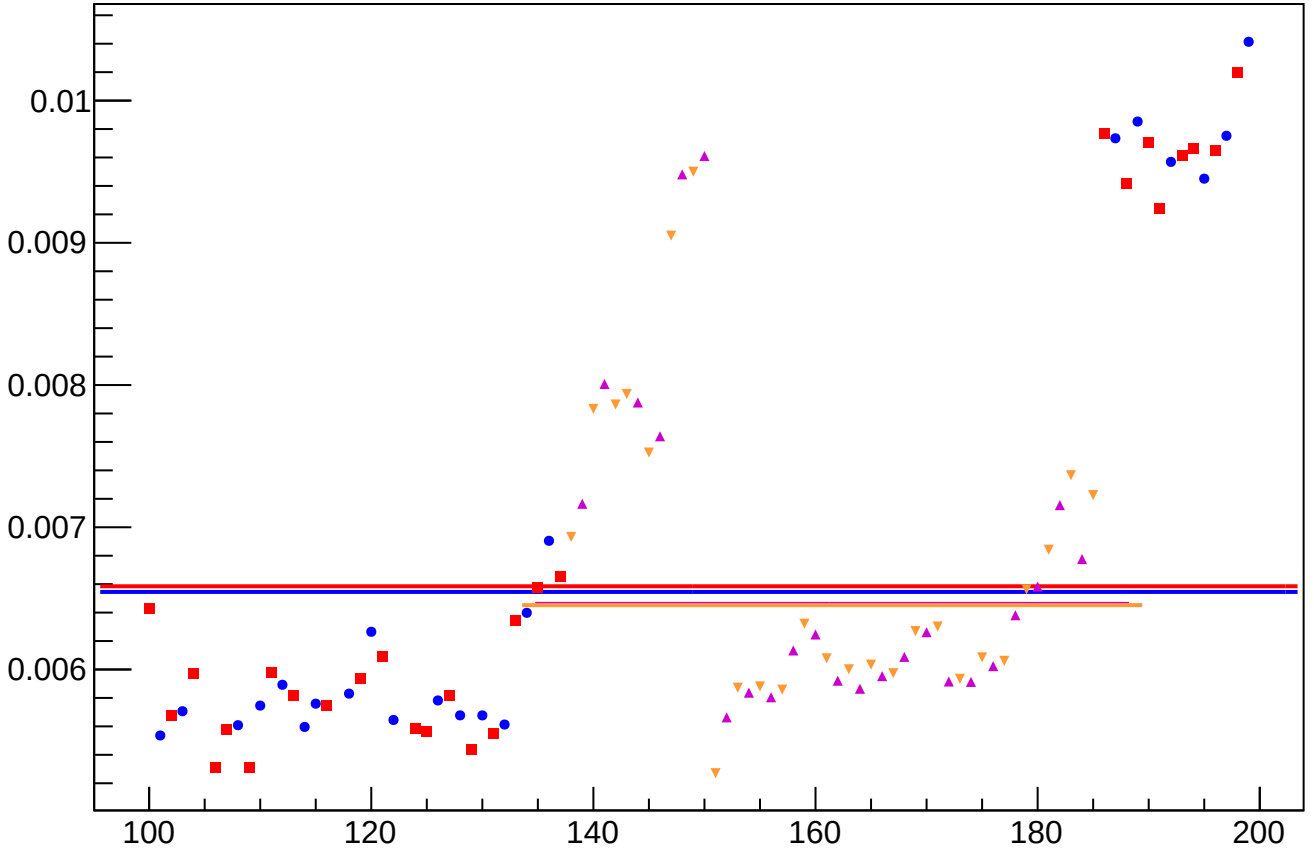
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.299+/-0.000 χ^2/NDF: 256098188747.7/46

All: -2.299+/-0.000 χ^2/NDF: 486143176638.9

- sign -2.298+/-0.000 χ^2/NDF: 230044592225.4/49

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 1202131.2/21

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1417585.3/26

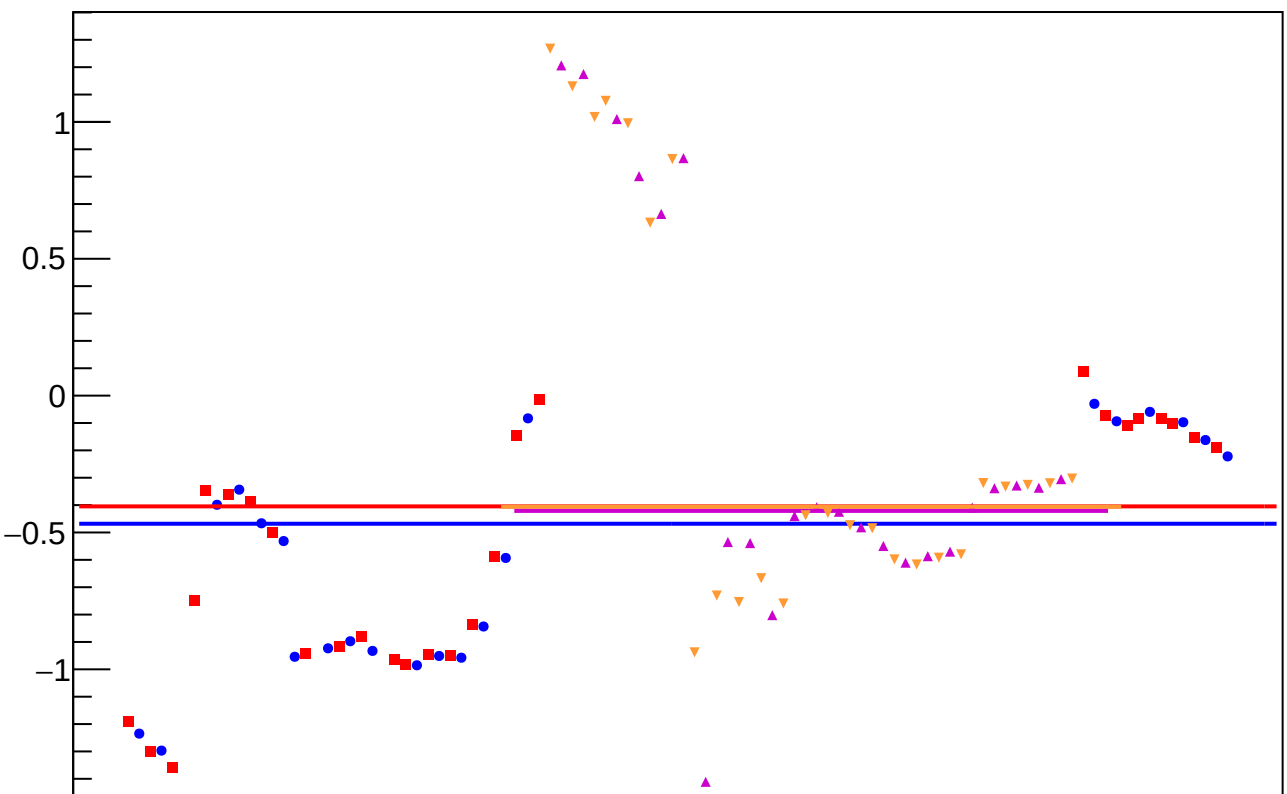
Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 1918186.1/46

All: 0.006+/-0.000 χ^2/NDF: 4061995.2/96

- sign 0.007+/-0.000 χ^2/NDF: 2143389.9/49

yield_bpm0i01X_mean vs Slug



Right In: -0.468+/-0.000 χ^2/NDF: 22725408900.9/21

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.405+/-0.000 χ^2/NDF: 26377892678.1/26

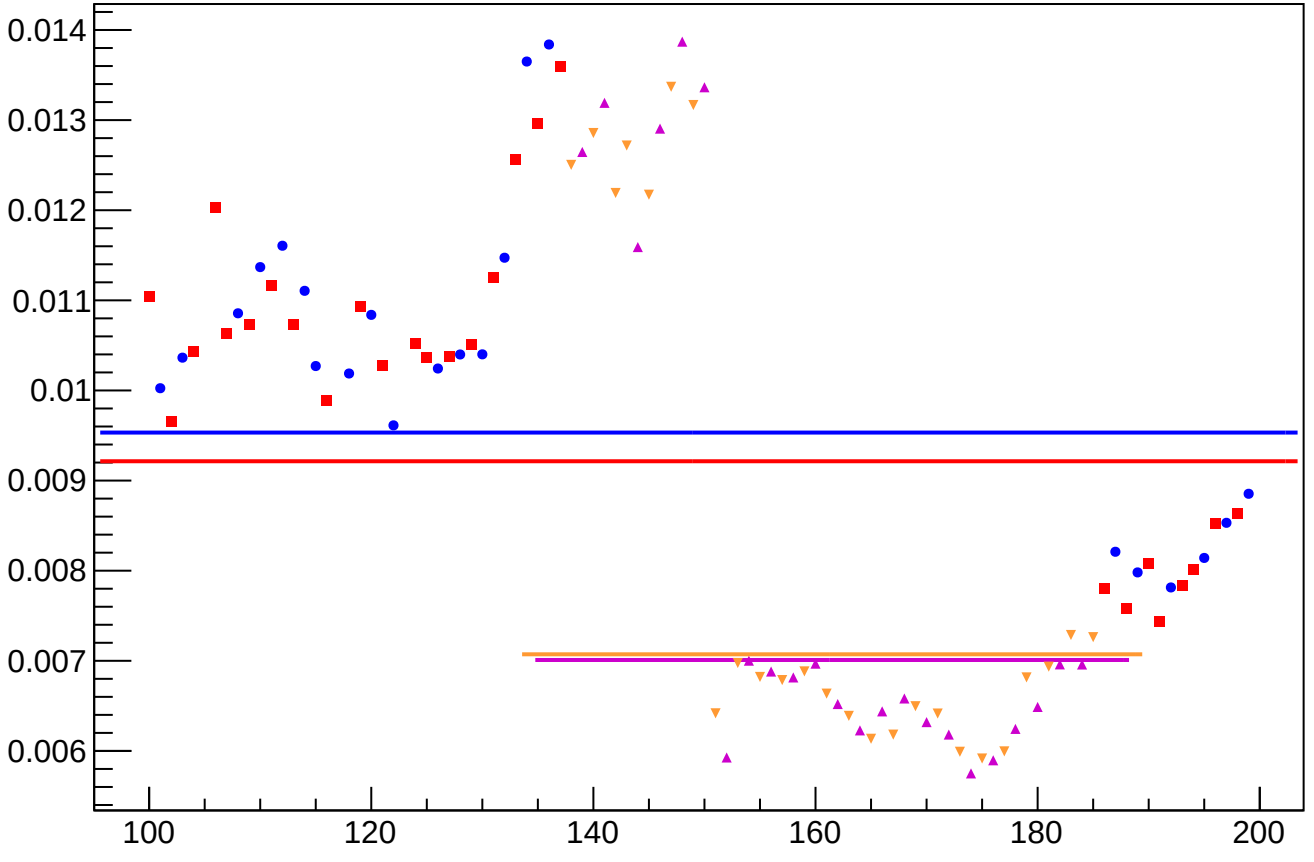
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.422+/-0.000 χ^2/NDF: 104708209476.1/46

All: -0.419+/-0.000 χ^2/NDF: 221362642796.2

- 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: 595418.2/21

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

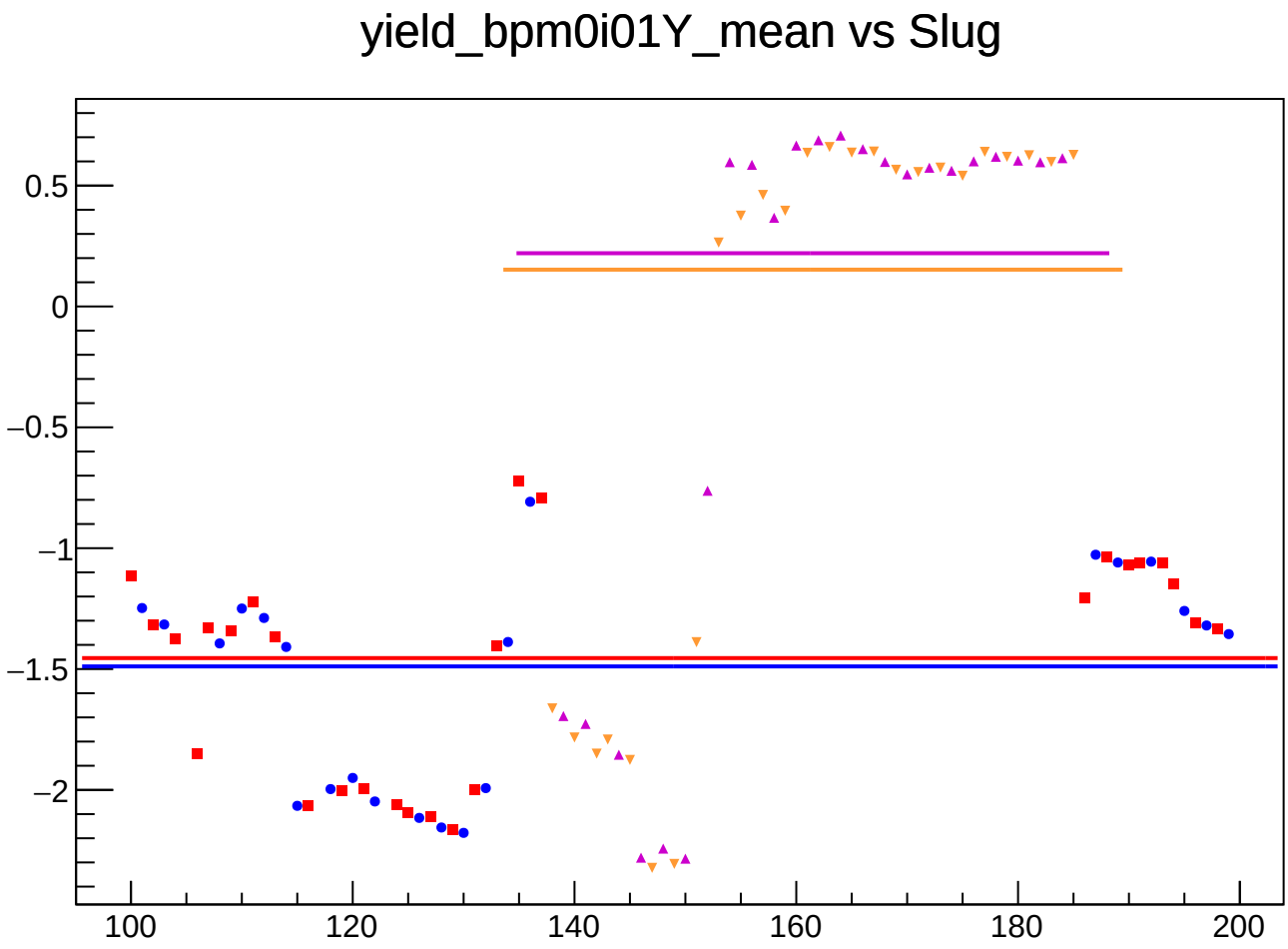
Right Out: 0.009+/-0.000 χ^2/NDF: 670933.9/26

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4074786.6/46

All: 0.008+/-0.000 χ^2/NDF: 8185297.2/96

- sign 0.008+/-0.000 χ^2/NDF: 4109859.3/49



Right In: -1.489+/-0.000 χ^2/NDF: 181387967540.0/21

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.455+/-0.000 χ^2/NDF: 171378959981.2/26

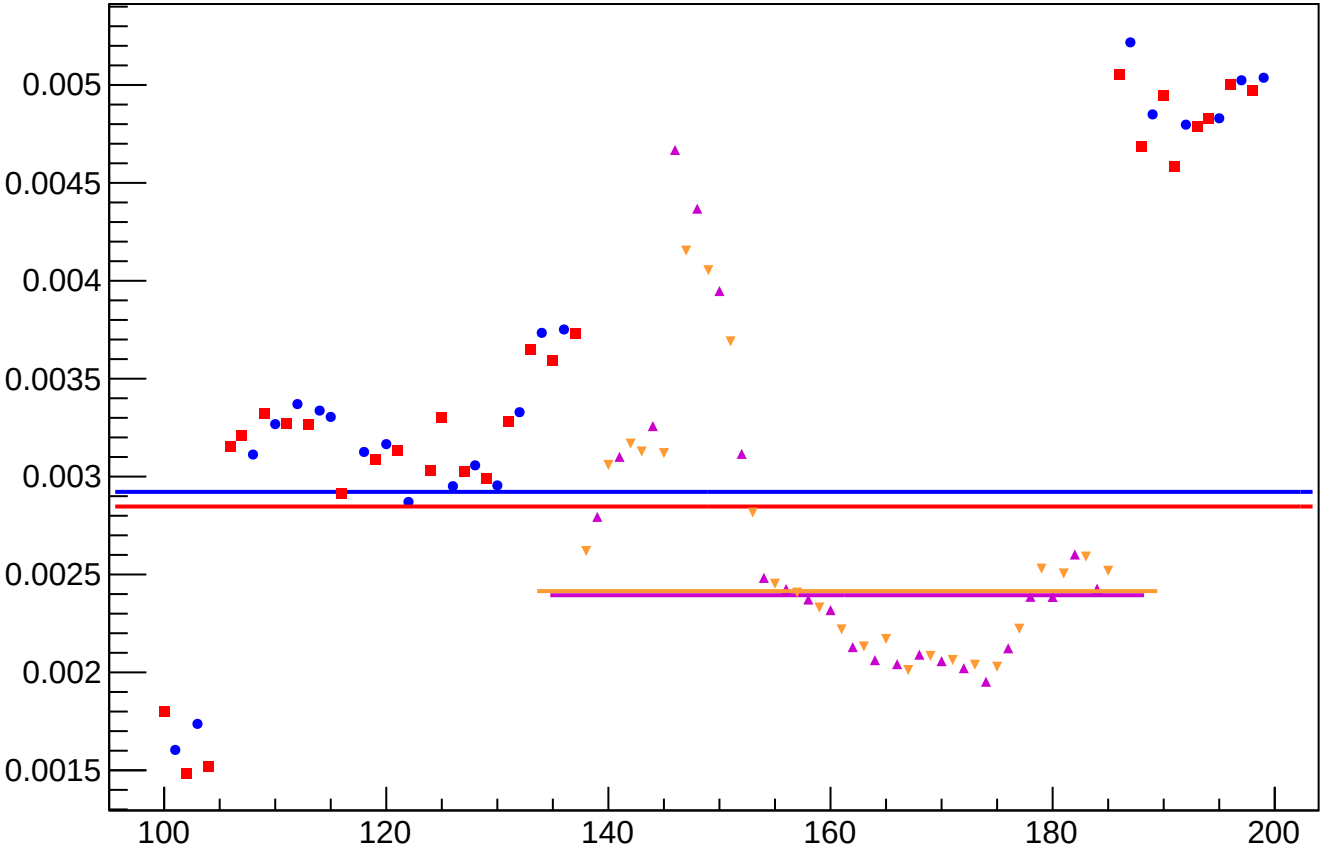
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.296+/-0.000 χ^2/NDF: 4733683949438.4/4

All: -0.295+/-0.000 χ^2/NDF: 9430685381794

- 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: 2791390.8/21

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

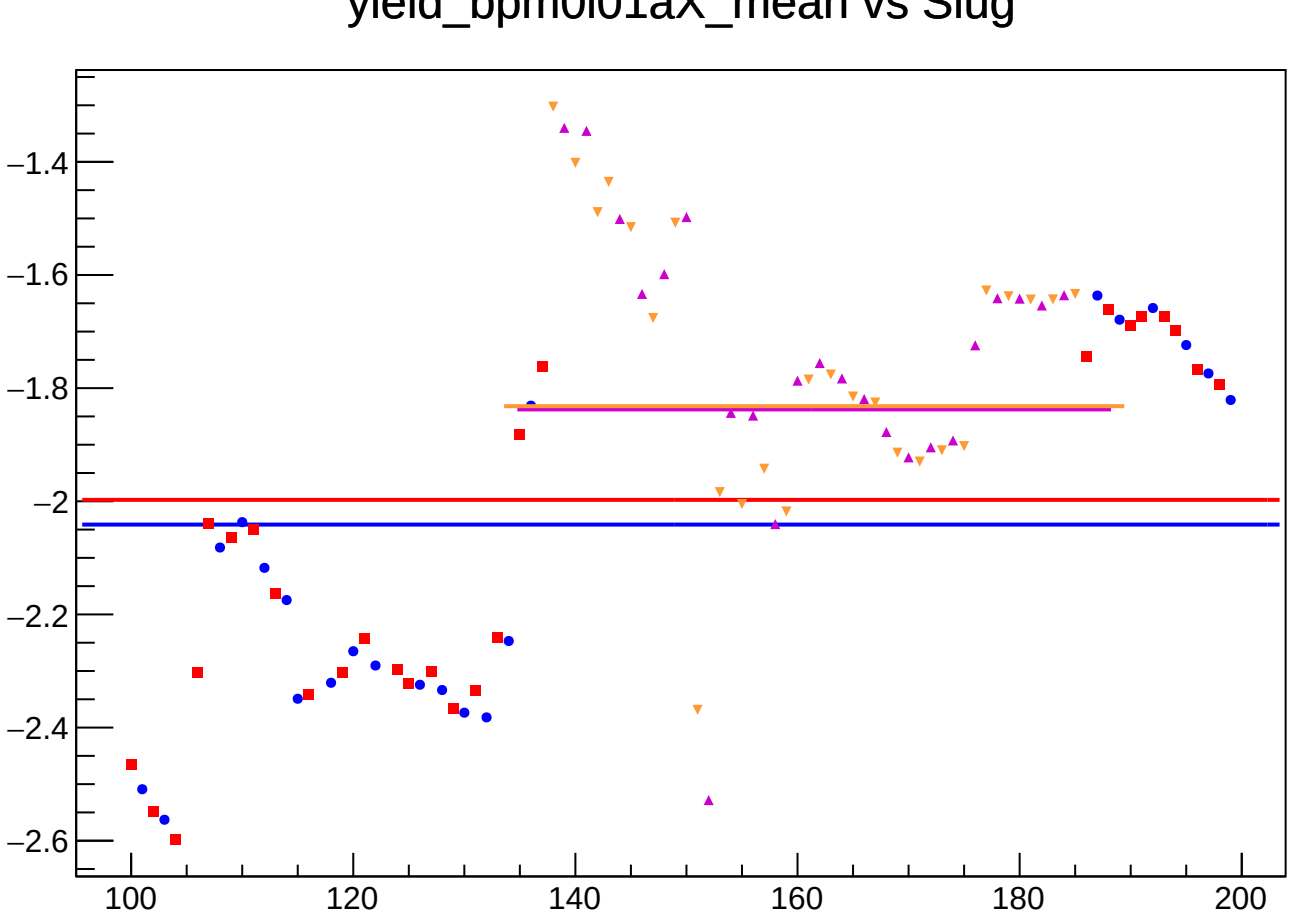
Right Out: 0.003+/-0.000 χ^2/NDF: 3704069.2/26

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 4422443.3/46

All: 0.003+/-0.000 χ^2/NDF: 9889556.1/96

- sign 0.003+/-0.000 χ^2/NDF: 5465455.8/49



Right In: -2.041+/-0.000 χ^2/NDF: 30371361008.1/21

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.997+/-0.000 χ^2/NDF: 35739913554.9/26

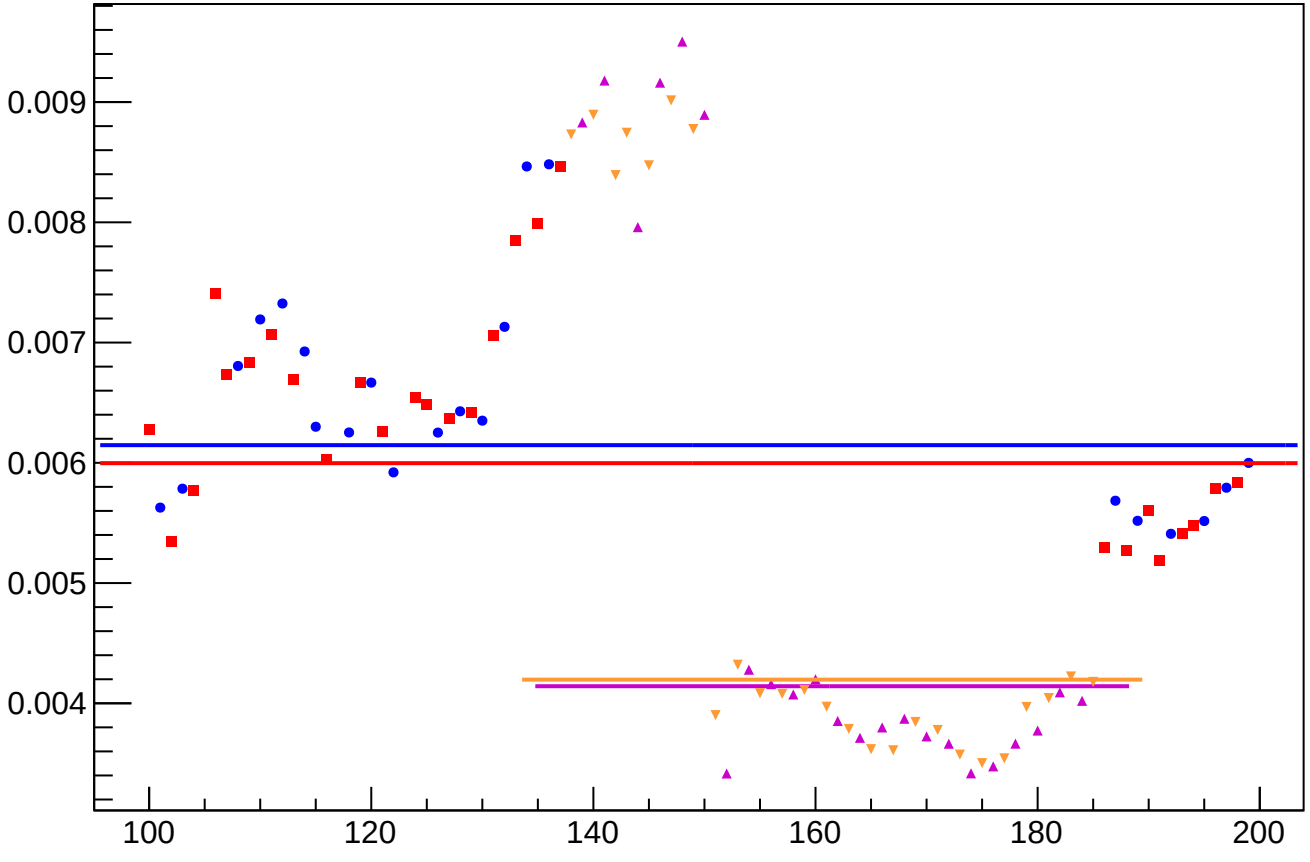
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.880+/-0.000 χ^2/NDF: 78579817114.8/46

All: -1.880+/-0.000 χ^2/NDF: 174137000169.3

- 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: 357342.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 376853.7/26

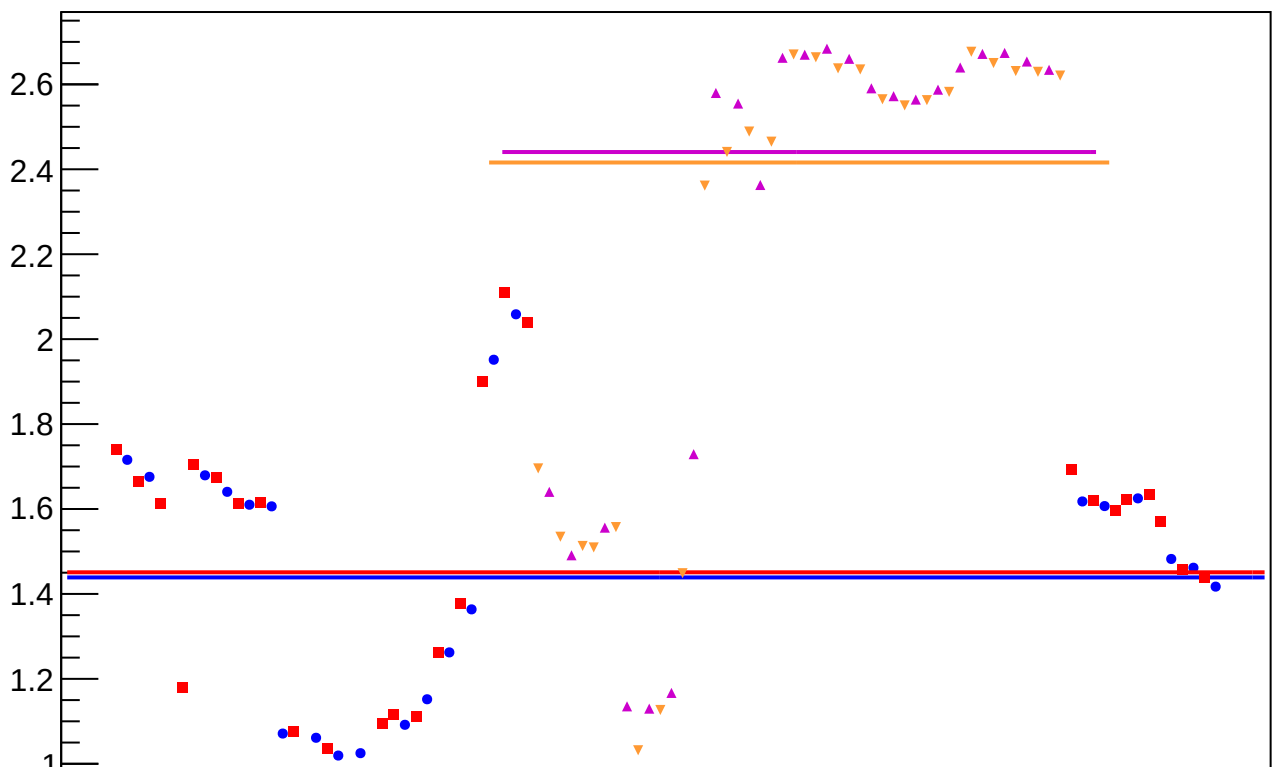
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5157666.9/46

All: 0.005+/-0.000 χ^2/NDF: 10446158.1/96

- 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: 191296699473.5/21

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

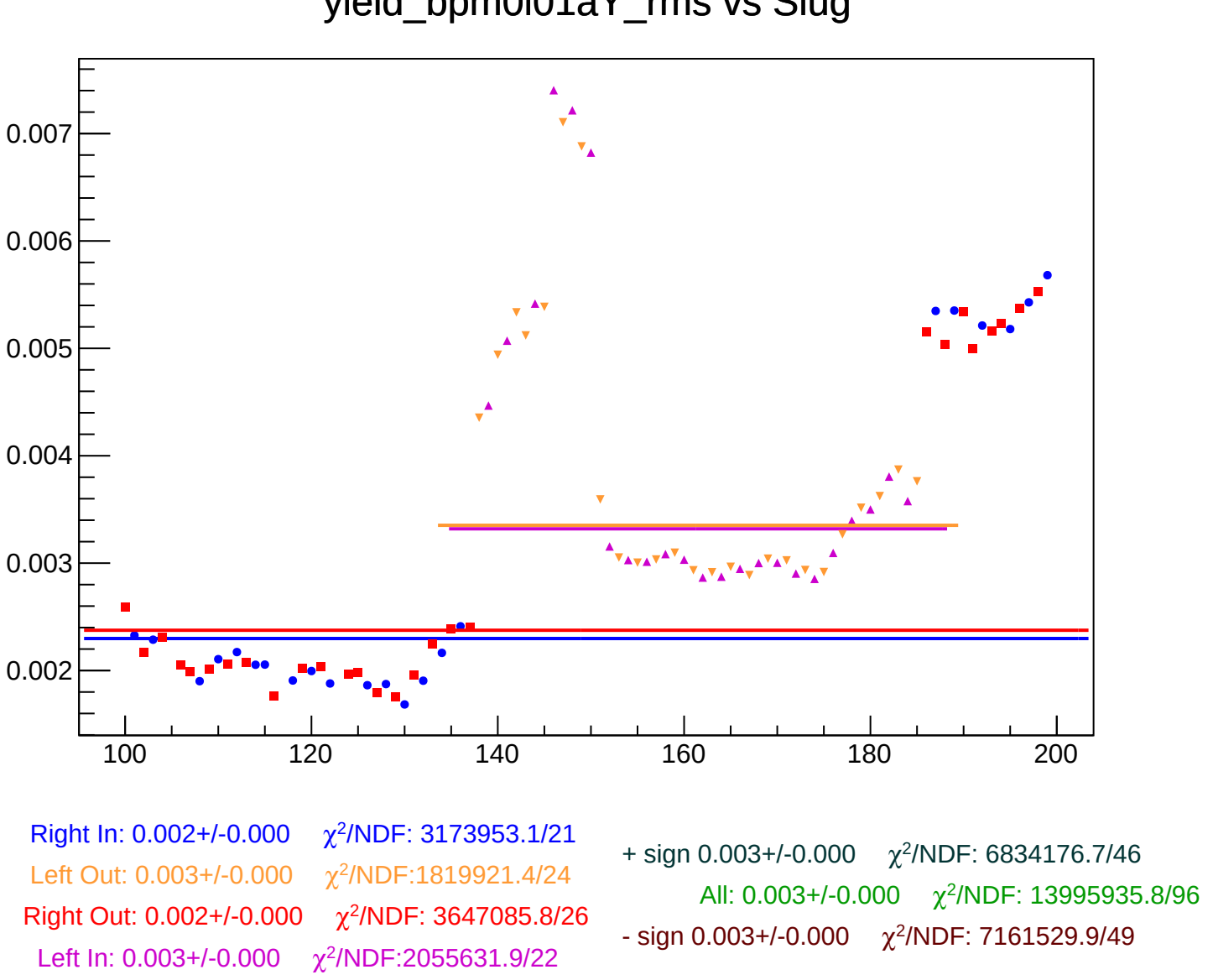
Right Out: 1.451+/-0.000 χ^2/NDF: 186305375713.1/26

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

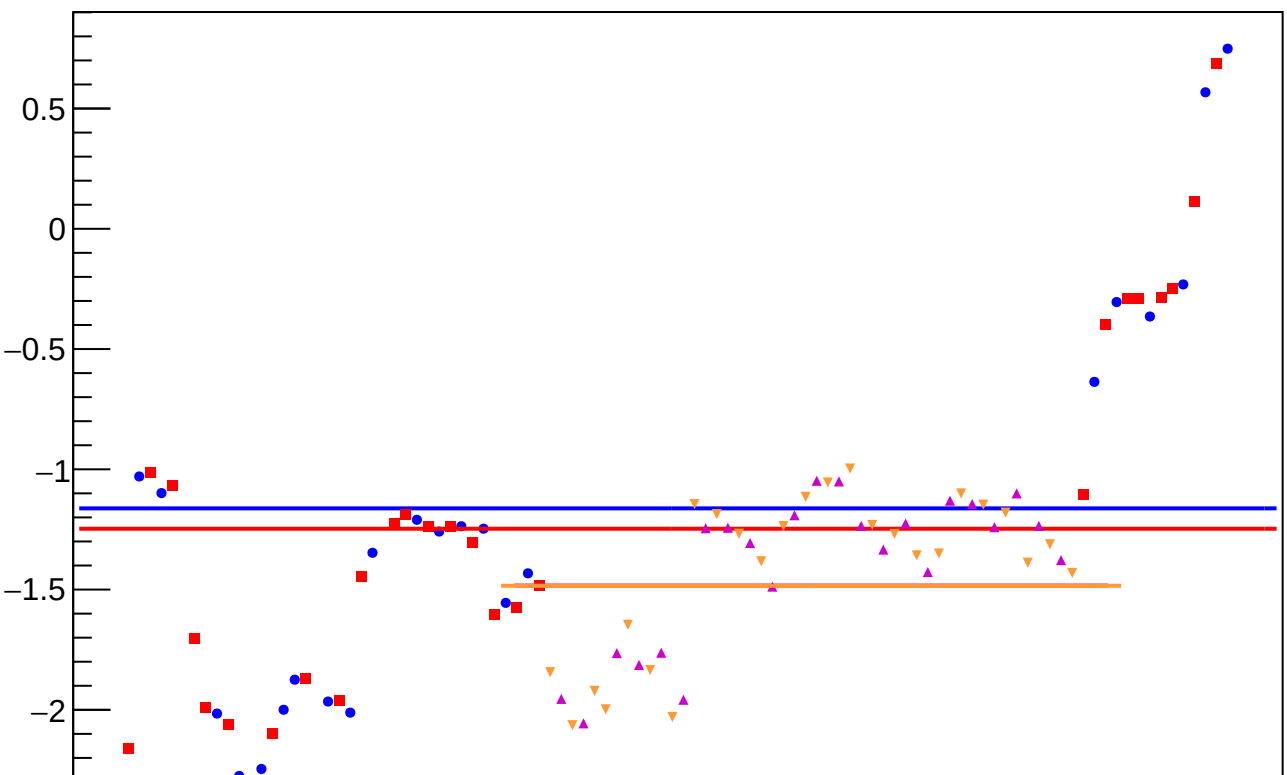
+ sign 1.895+/-0.000 χ^2/NDF: 1224608669618.1/46

All: 1.895+/-0.000 χ^2/NDF: 2443569333828.

- sign 1.895+/-0.000 χ^2/NDF: 1218960401845.9/49


yield_bpm0i01aY_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 3173953.1/21
Left Out: 0.003+/-0.000 χ²/NDF:1819921.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 3647085.8/26
Left In: 0.003+/-0.000 χ²/NDF:2055631.9/22
+ sign 0.003+/-0.000 χ²/NDF: 6834176.7/46
All: 0.003+/-0.000 χ²/NDF: 13995935.8/96
- sign 0.003+/-0.000 χ²/NDF: 7161529.9/49

yield_bpm0l01X_mean vs Slug



Right In: -1.162+/-0.000 χ^2/NDF: 106309021255.0/21

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.247+/-0.000 χ^2/NDF: 122717764489.9/26

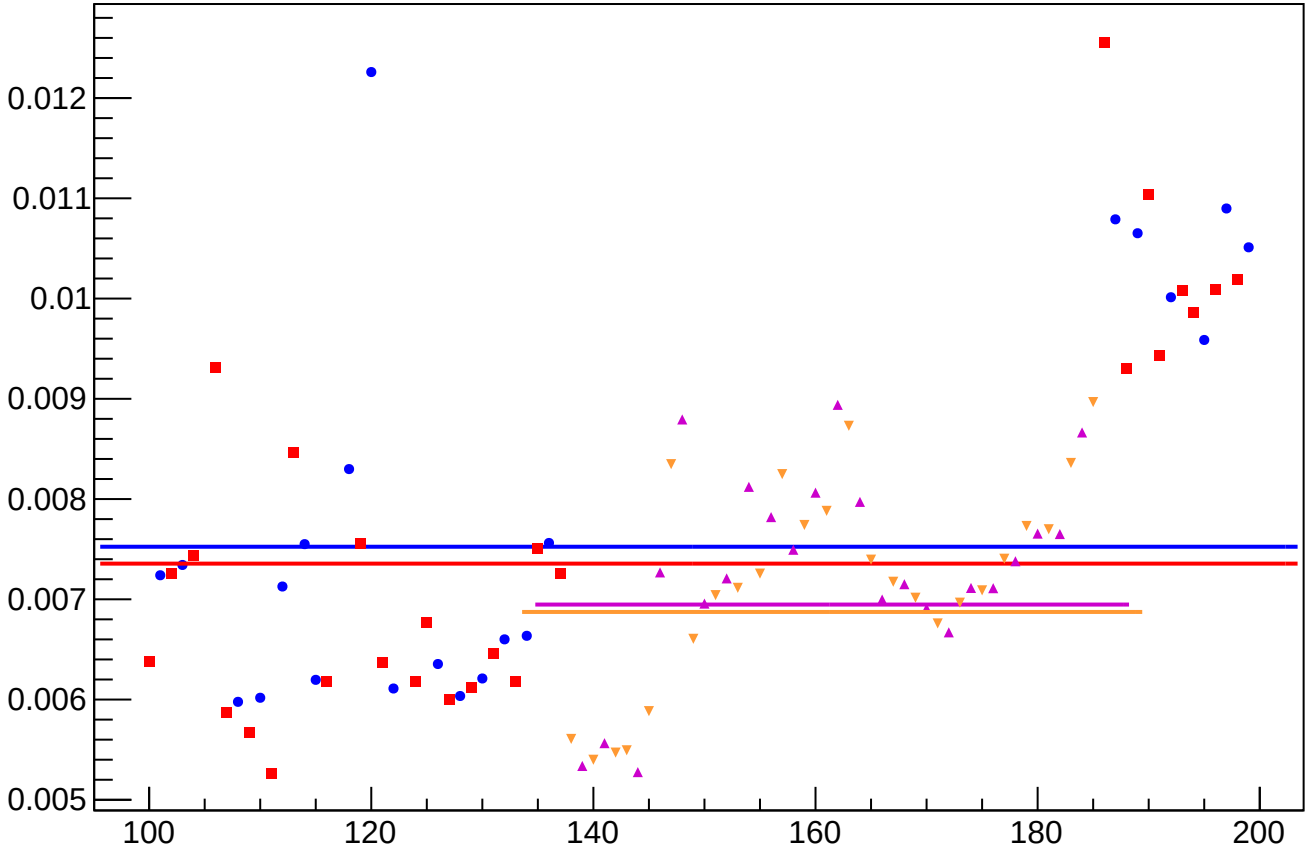
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.381+/-0.000 χ^2/NDF: 167480638684.7/46

All: -1.388+/-0.000 χ^2/NDF: 338019220421.5

- sign -1.394+/-0.000 χ^2/NDF: 170488123936.2/49

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1011207.5/21

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

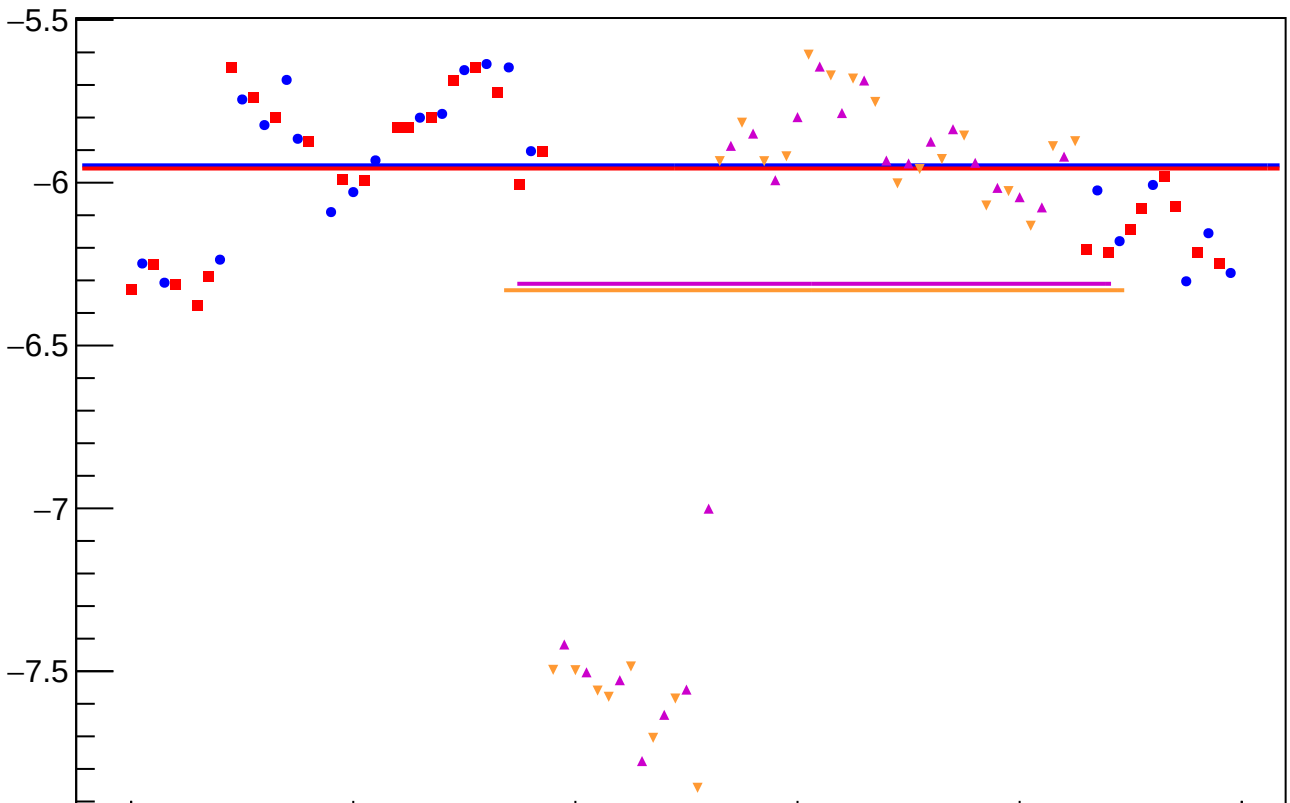
Right Out: 0.007+/-0.000 χ^2/NDF: 1242485.4/26

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1860786.5/46

All: 0.007+/-0.000 χ^2/NDF: 3894530.0/96

- sign 0.007+/-0.000 χ^2/NDF: 2033542.7/49



Right In: -5.947+/-0.000 χ^2/NDF: 13435705602.2/21

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

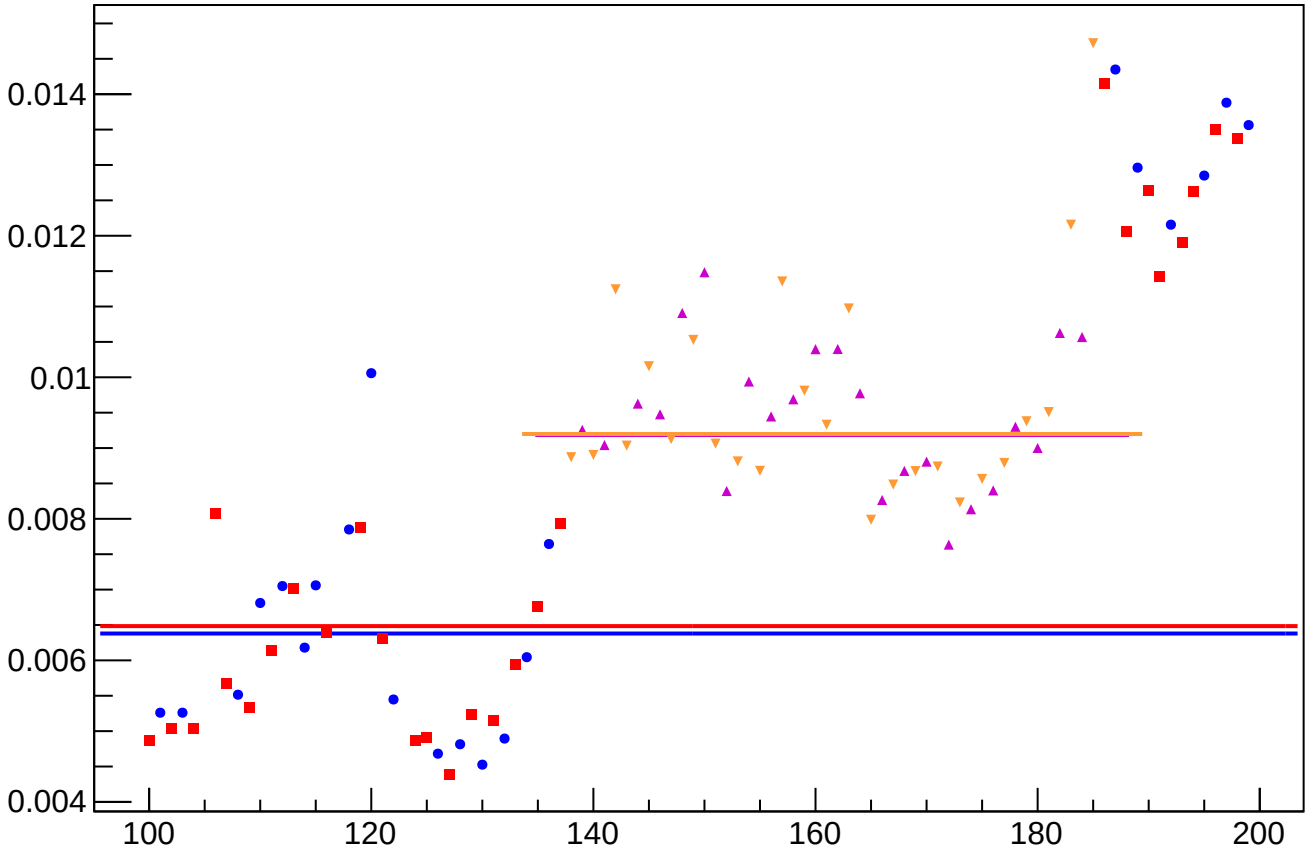
Right Out: -5.957+/-0.000 χ^2/NDF: 14217837913.4/26

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.124+/-0.000 χ^2/NDF: 138862794875.9/46

All: -6.116+/-0.000 χ^2/NDF: 257867682508.7

- sign -6.109+/-0.000 χ^2/NDF: 118956059366.5/49



Right In: 0.006+/-0.000 χ^2/NDF: 2935738.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 3182038.1/26

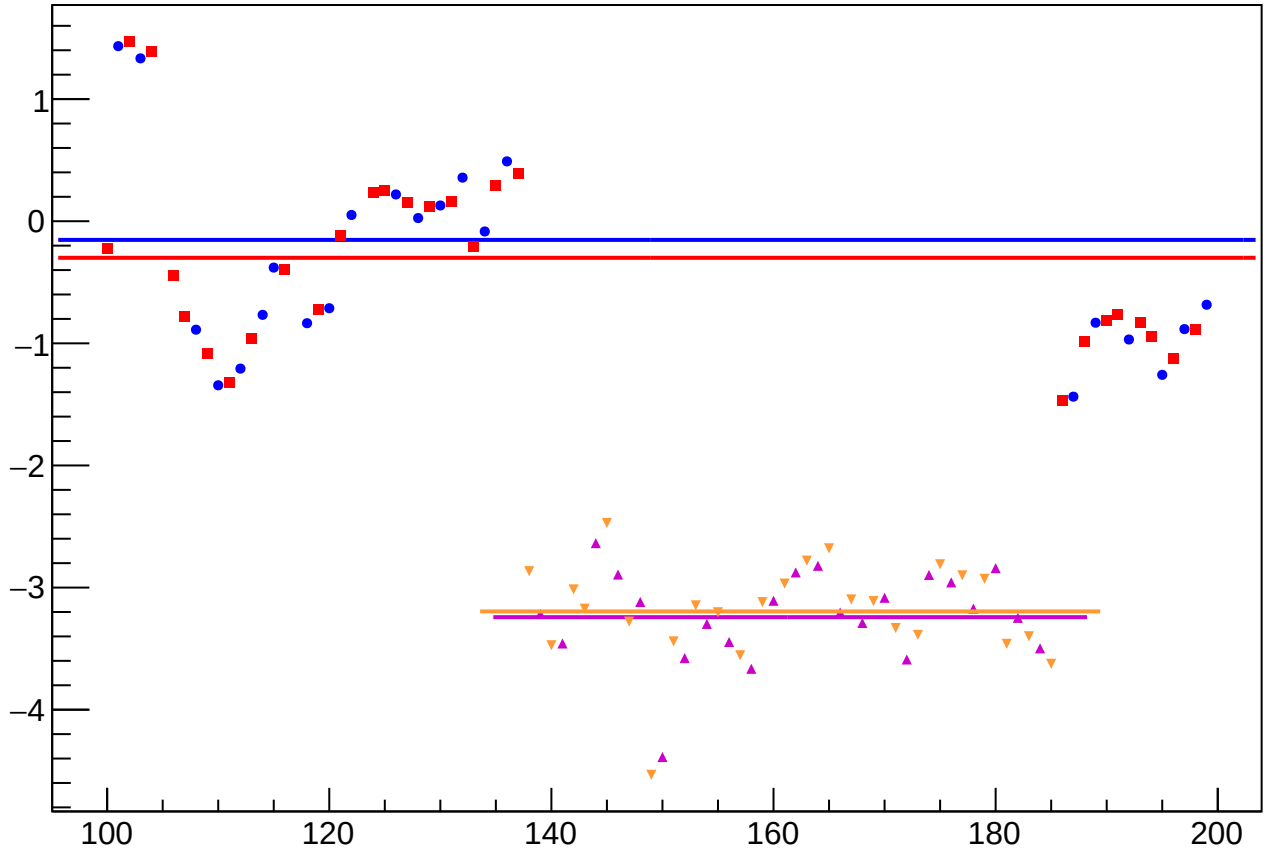
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 4934882.8/46

All: 0.008+/-0.000 χ^2/NDF: 9955681.3/96

- sign 0.008+/-0.000 χ^2/NDF: 5020226.1/49

yield_bpm0l02X_mean vs Slug



Right In: -0.153+/-0.000 χ^2/NDF: 30022079980.0/21

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.299+/-0.000 χ^2/NDF: 33023881112.4/26

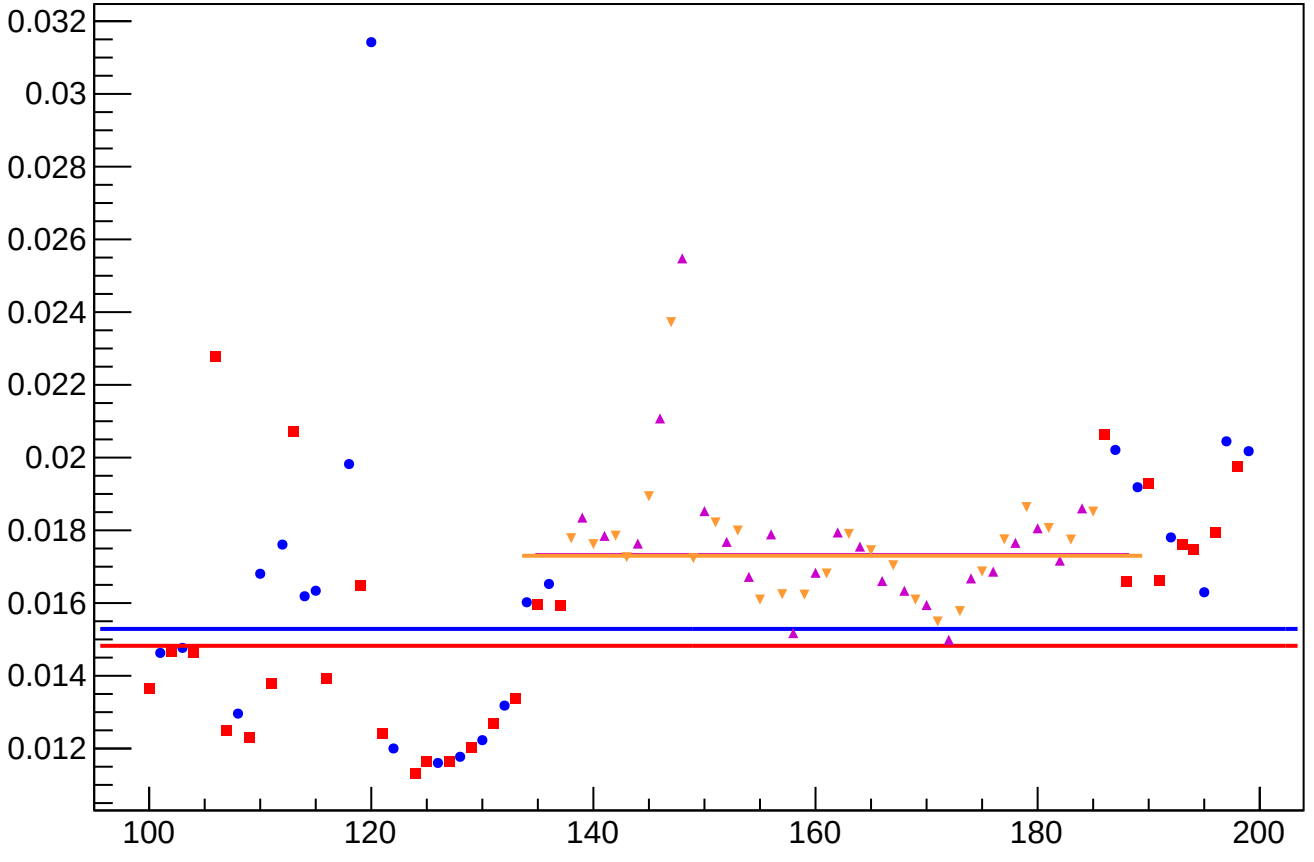
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.934+/-0.000 χ^2/NDF: 277713594830.0/46

All: -1.886+/-0.000 χ^2/NDF: 560254227974.4

- 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: 871549.6/21

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

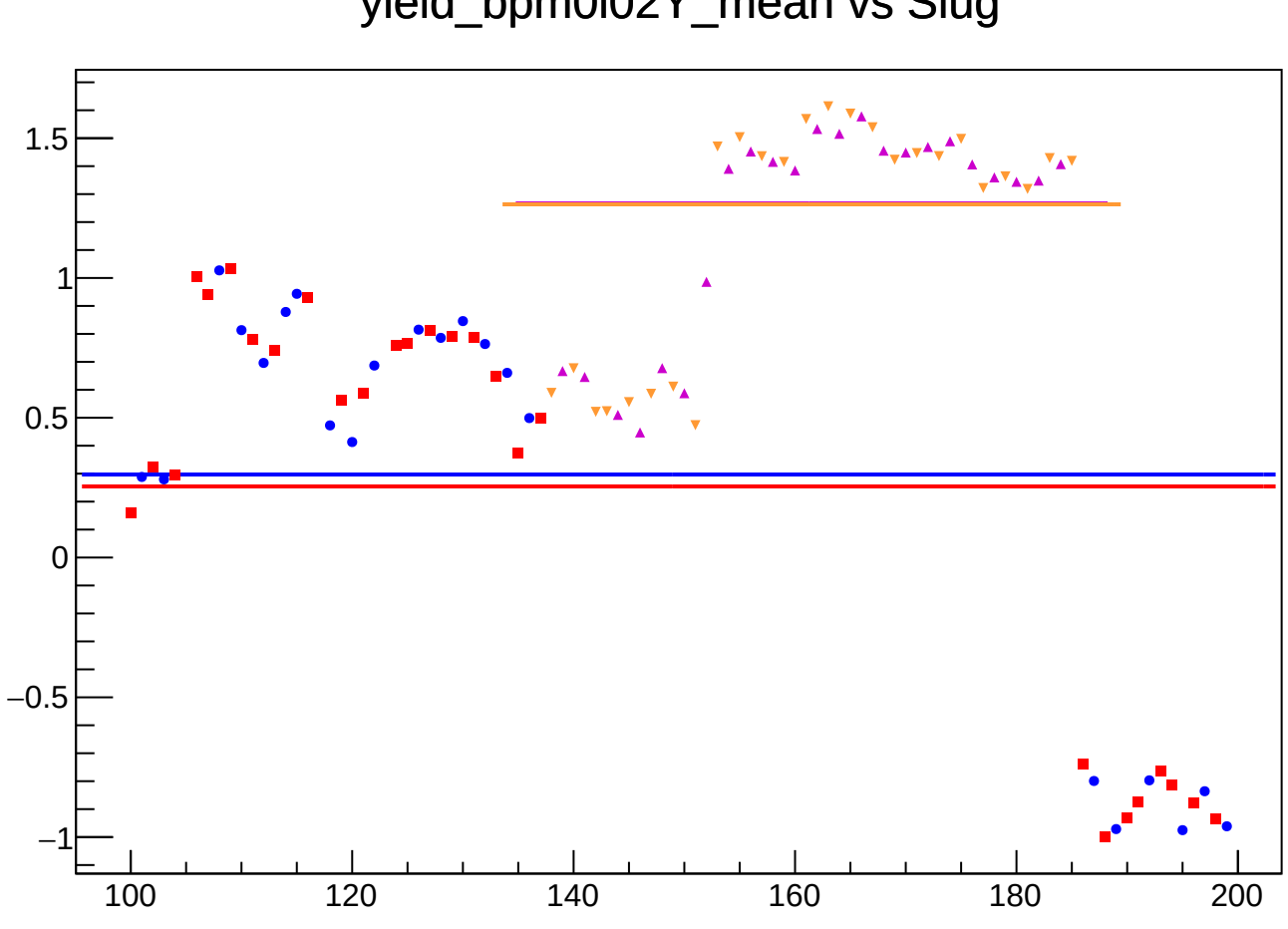
Right Out: 0.015+/-0.000 χ^2/NDF: 796168.2/26

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1297954.9/46

All: 0.016+/-0.000 χ^2/NDF: 2783687.5/96

- sign 0.016+/-0.000 χ^2/NDF: 1473531.3/49



Right In: 0.297+/-0.000 χ^2/NDF: 50609045997.0/21

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.254+/-0.000 χ^2/NDF: 63396794693.5/26

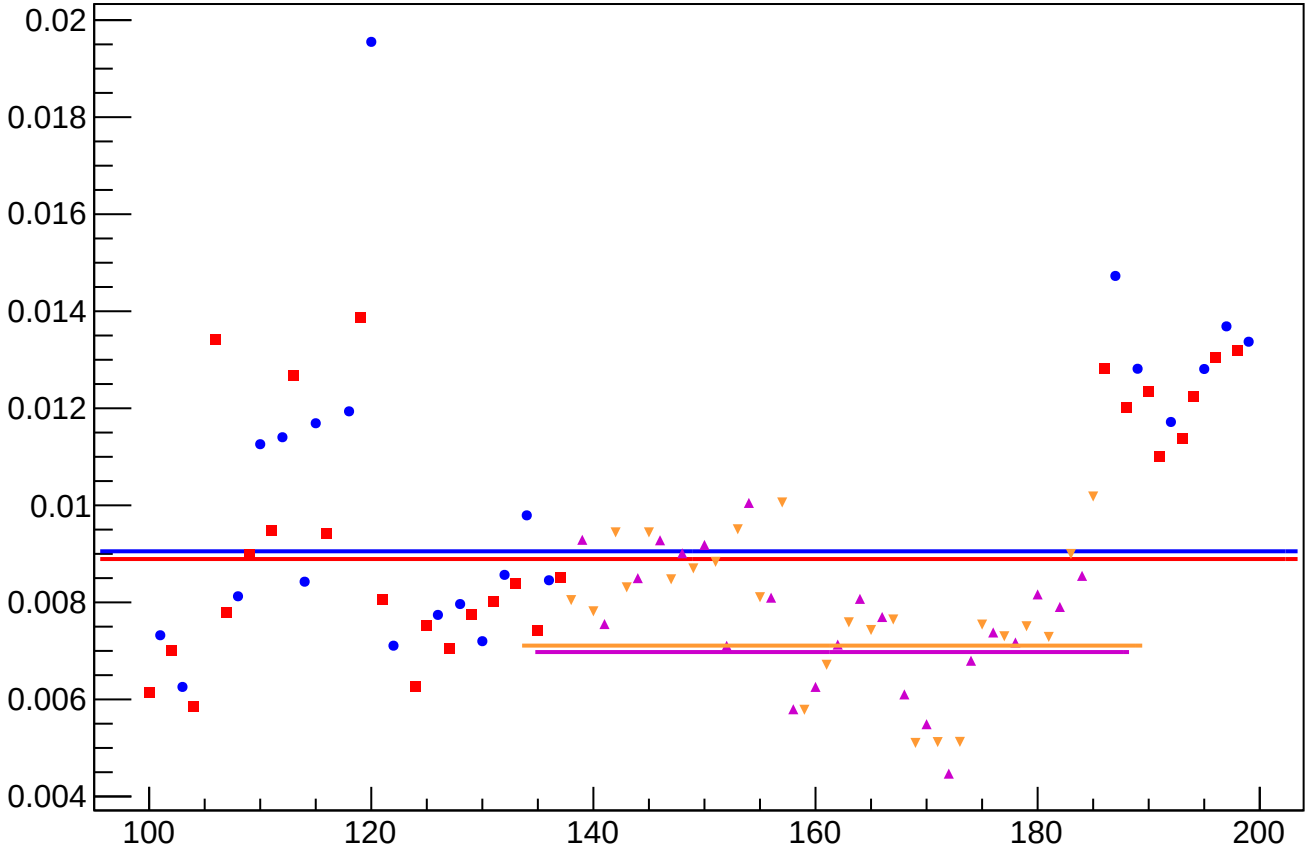
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.010+/-0.000 χ^2/NDF: 178562336587.4/46

All: 0.989+/-0.000 χ^2/NDF: 380587664724.8

- 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: 1534130.9/21

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

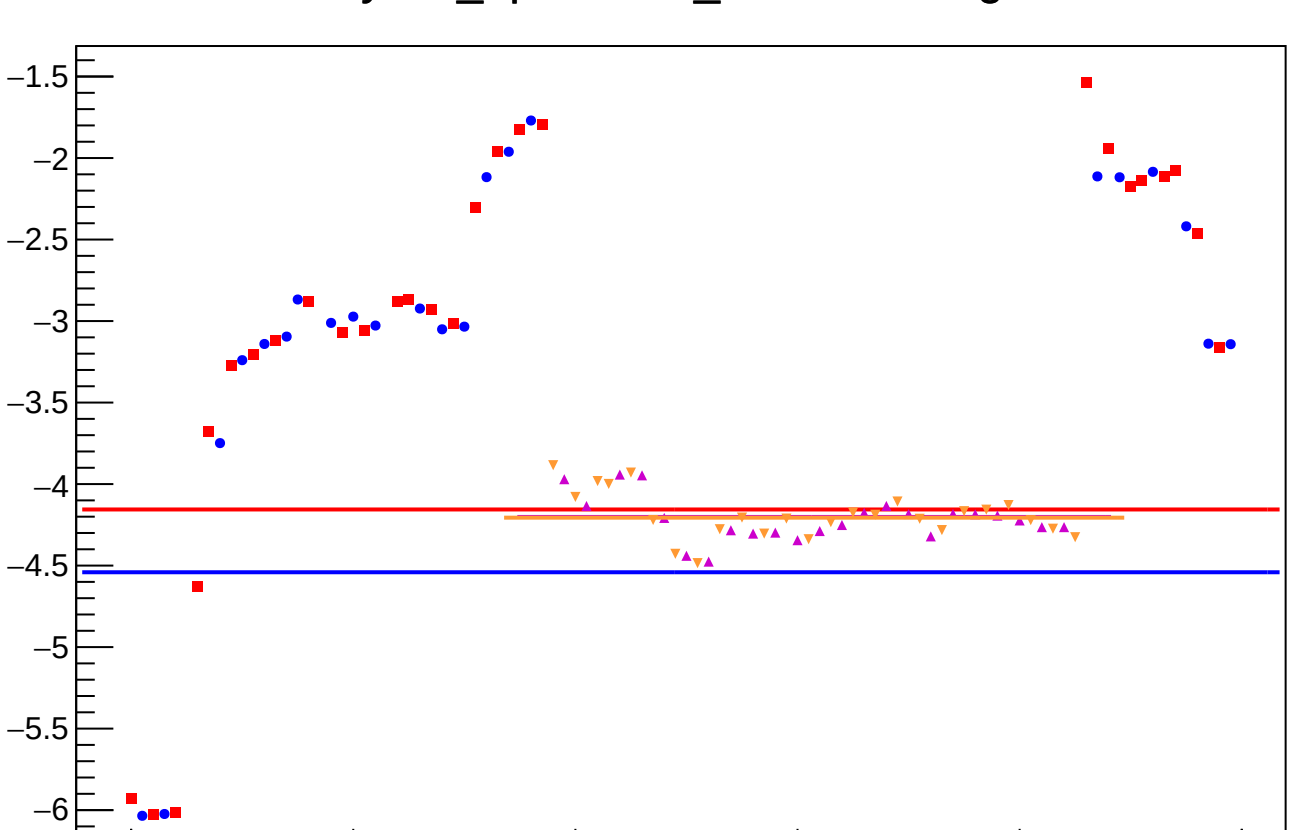
Right Out: 0.009+/-0.000 χ^2/NDF: 1639929.2/26

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 3719527.0/46

All: 0.008+/-0.000 χ^2/NDF: 7540772.1/96

- sign 0.008+/-0.000 χ^2/NDF: 3818380.5/49



Right In: -4.541+/-0.000 χ^2/NDF: 258077273375.5/21

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.156+/-0.000 χ^2/NDF: 294208103298.9/26

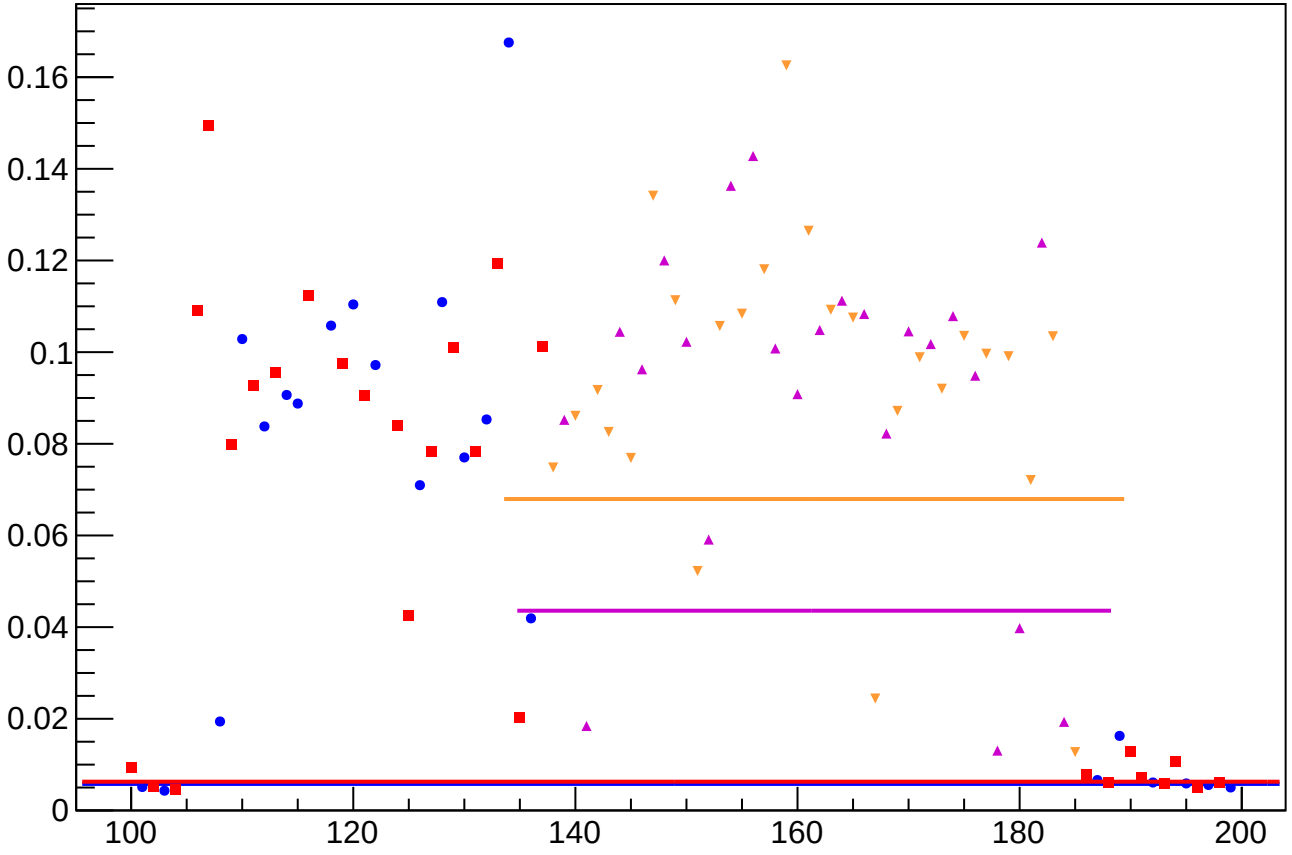
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.531+/-0.000 χ^2/NDF: 258428738501.2/46

All: -4.353+/-0.000 χ^2/NDF: 558973411984.7

- 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: 8818854.6/21

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8911924.5/26

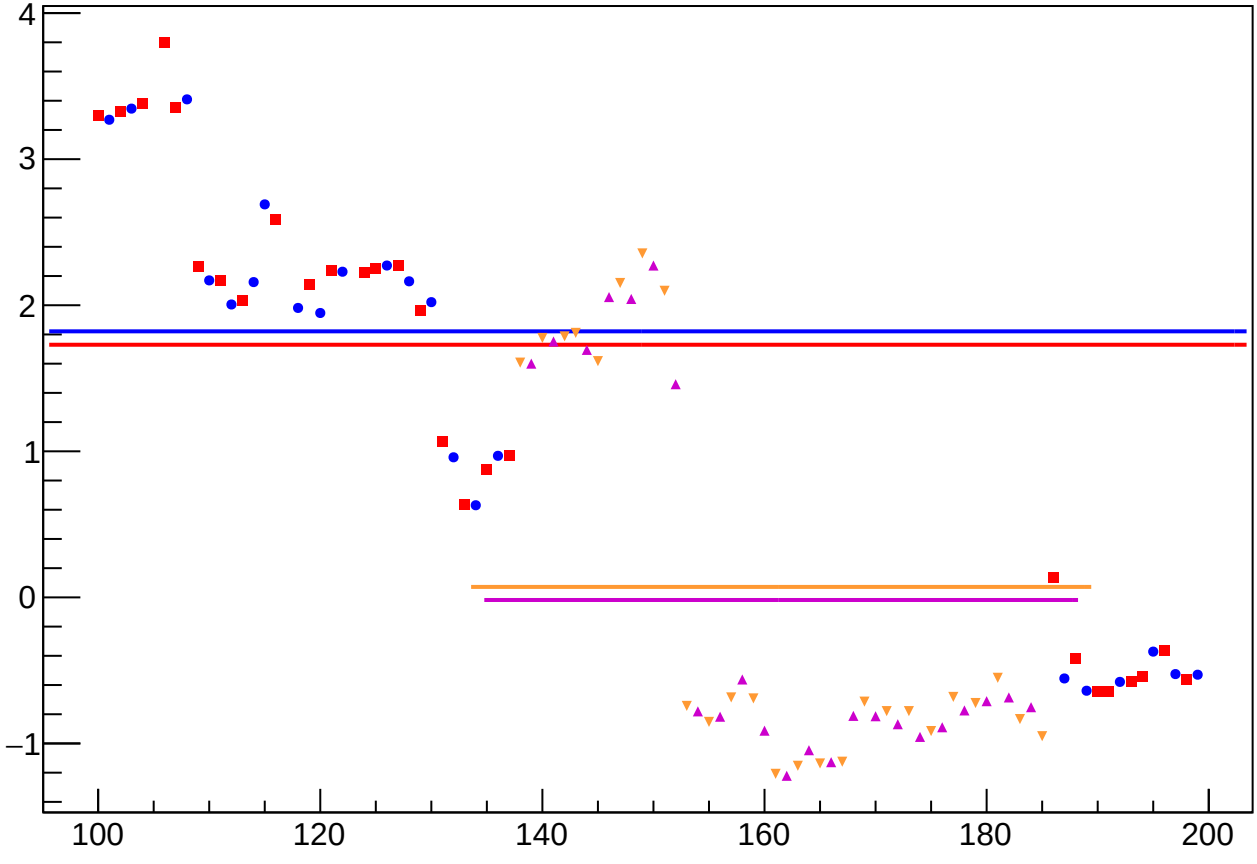
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 36434372.4/46

All: 0.008+/-0.000 χ^2/NDF: 68979956.7/96

- sign 0.008+/-0.000 χ^2/NDF: 32523396.8/49

yield_bpm0l03Y_mean vs Slug



Right In: 1.821+/-0.000 χ^2/NDF: 171377900138.6/21

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.730+/-0.000 χ^2/NDF: 175419460245.0/26

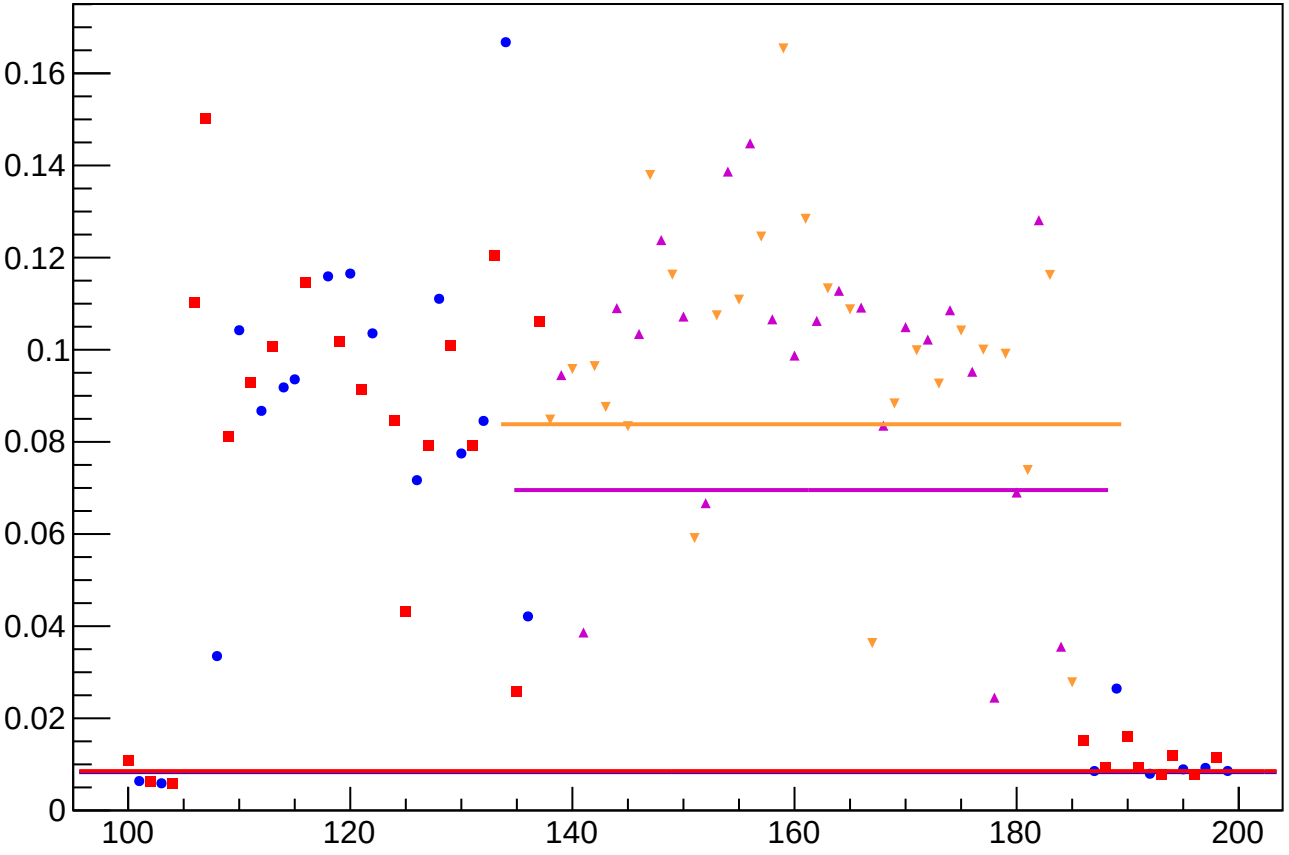
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.752+/-0.000 χ^2/NDF: 181063412296.7/46

All: 1.701+/-0.000 χ^2/NDF: 367142998658.3

- 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: 8587136.0/21

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8754828.3/26

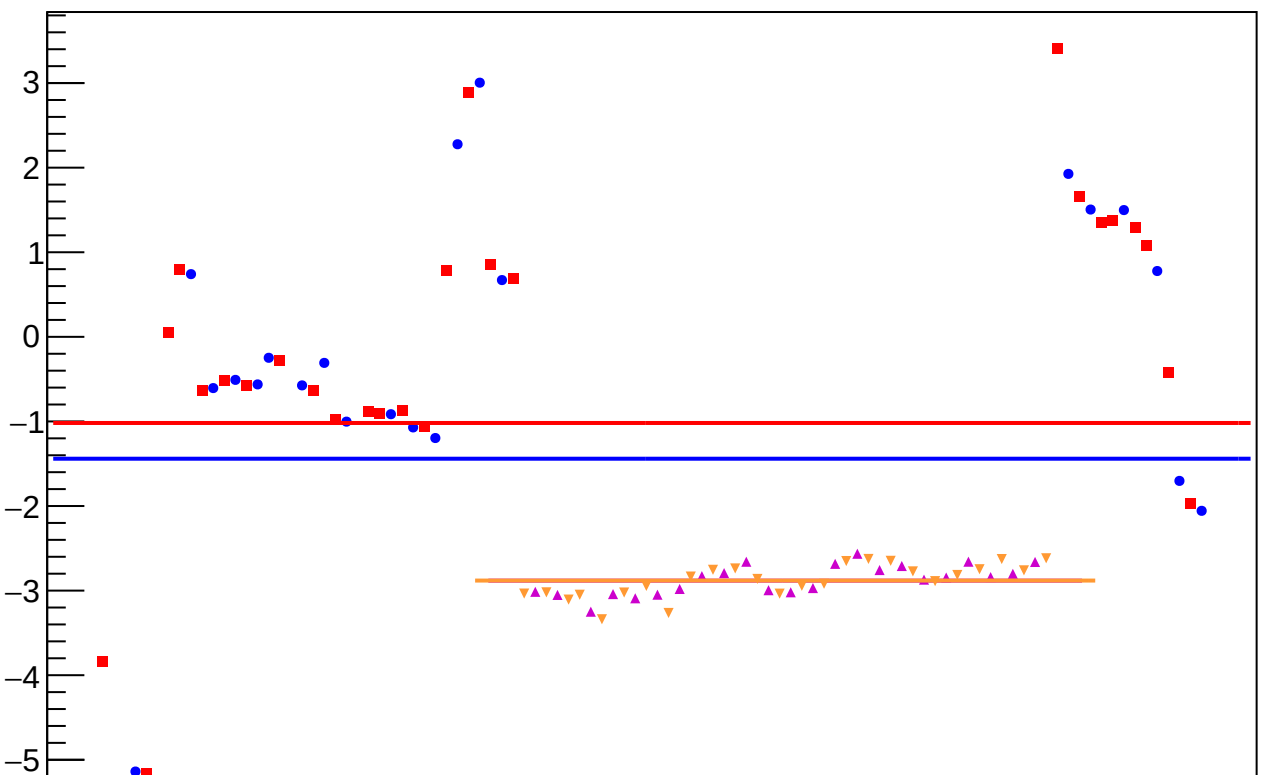
Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 34954154.9/46

All: 0.011+/-0.000 χ^2/NDF: 67303761.6/96

- sign 0.011+/-0.000 χ^2/NDF: 32349605.9/49

yield_bpm0l04X_mean vs Slug



Right In: -1.441+/-0.000 χ^2/NDF: 206802200715.7/21

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.018+/-0.000 χ^2/NDF: 231237354123.6/26

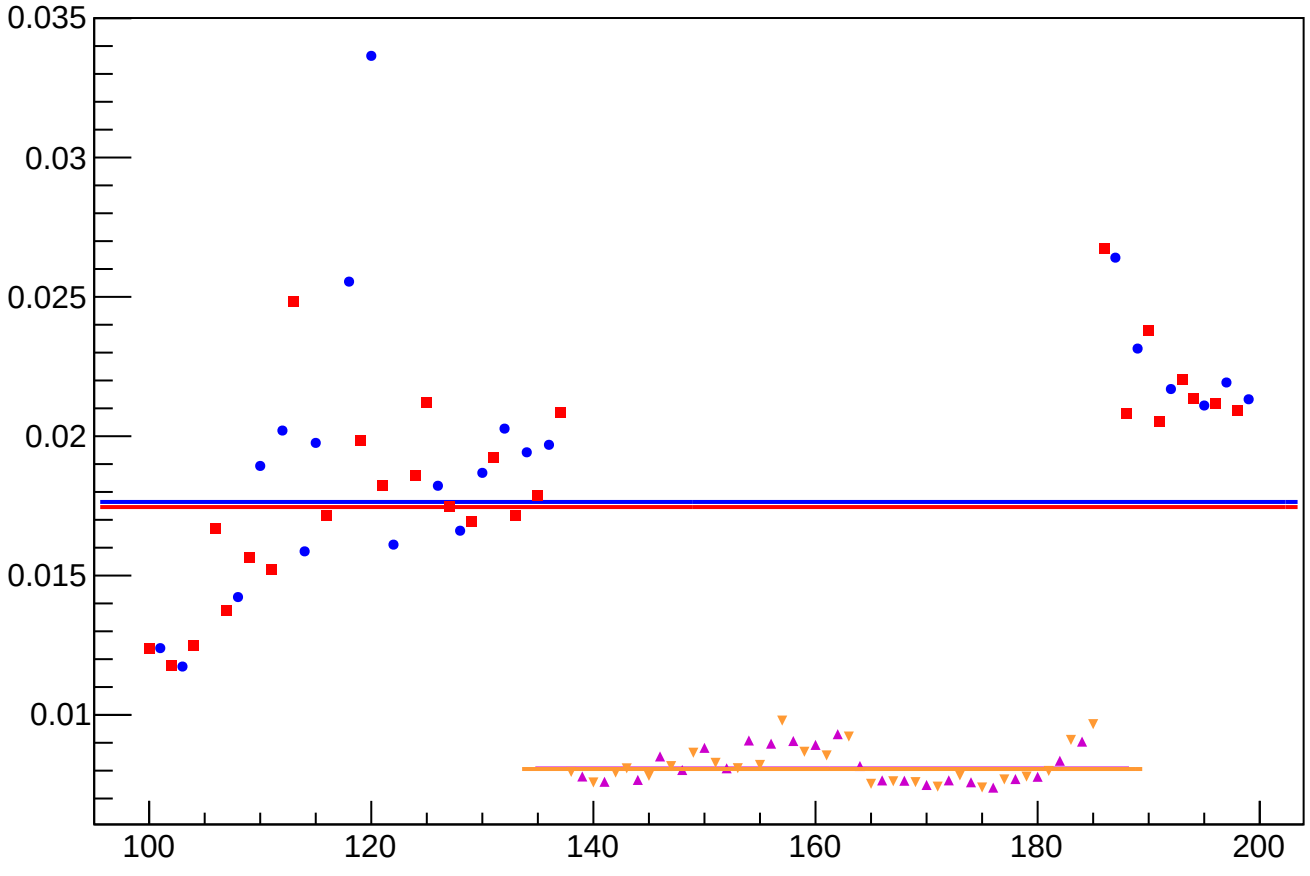
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.738+/-0.000 χ^2/NDF: 276040709284.0/46

All: -2.698+/-0.000 χ^2/NDF: 629253796233.0

- sign -2.657+/-0.000 χ^2/NDF: 352192289609.4/49

yield_bpm0l04X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1173587.8/21

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.017+/-0.000 χ^2/NDF: 1075329.0/26

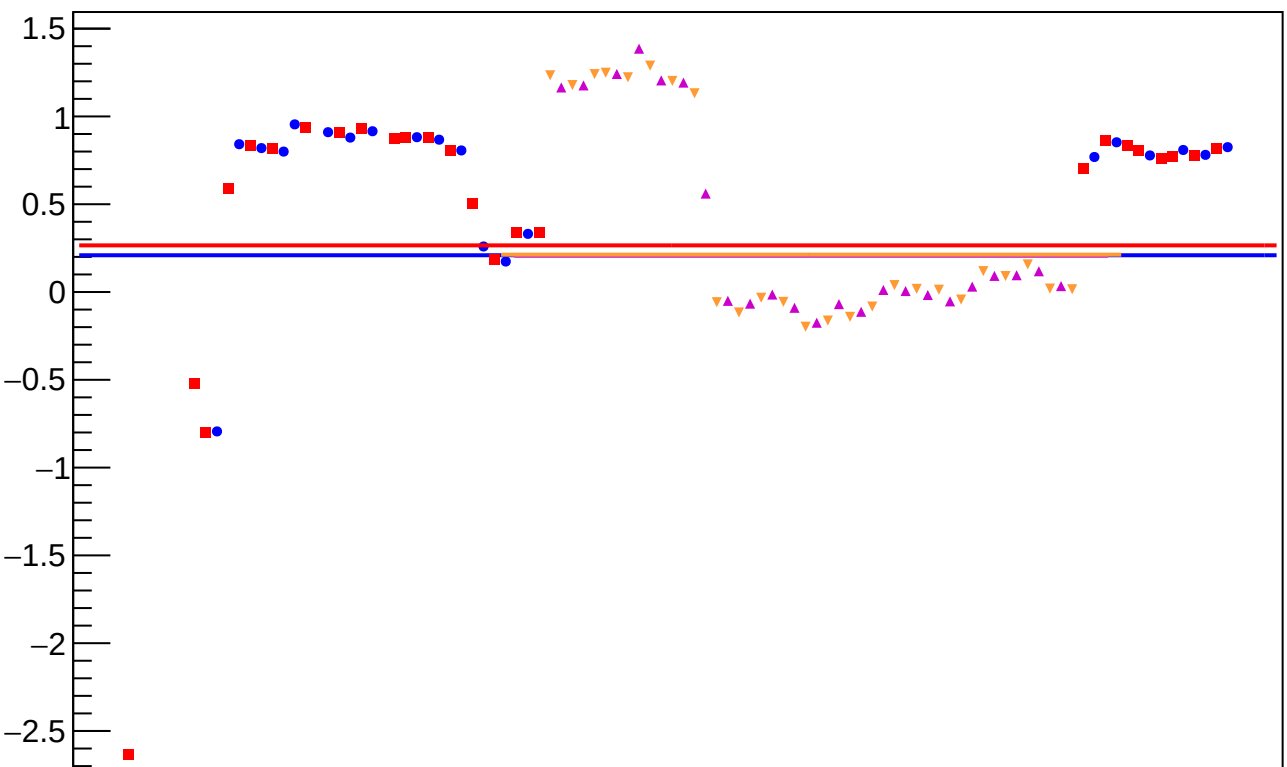
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 6553796.6/46

All: 0.009+/-0.000 χ^2/NDF: 13527990.8/96

- sign 0.009+/-0.000 χ^2/NDF: 6961619.1/49

yield_bpm0l04Y_mean vs Slug



Right In: 0.209+/-0.000 χ^2/NDF: 923883157180.6/21

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.266+/-0.000 χ^2/NDF: 1017562810439.6/26

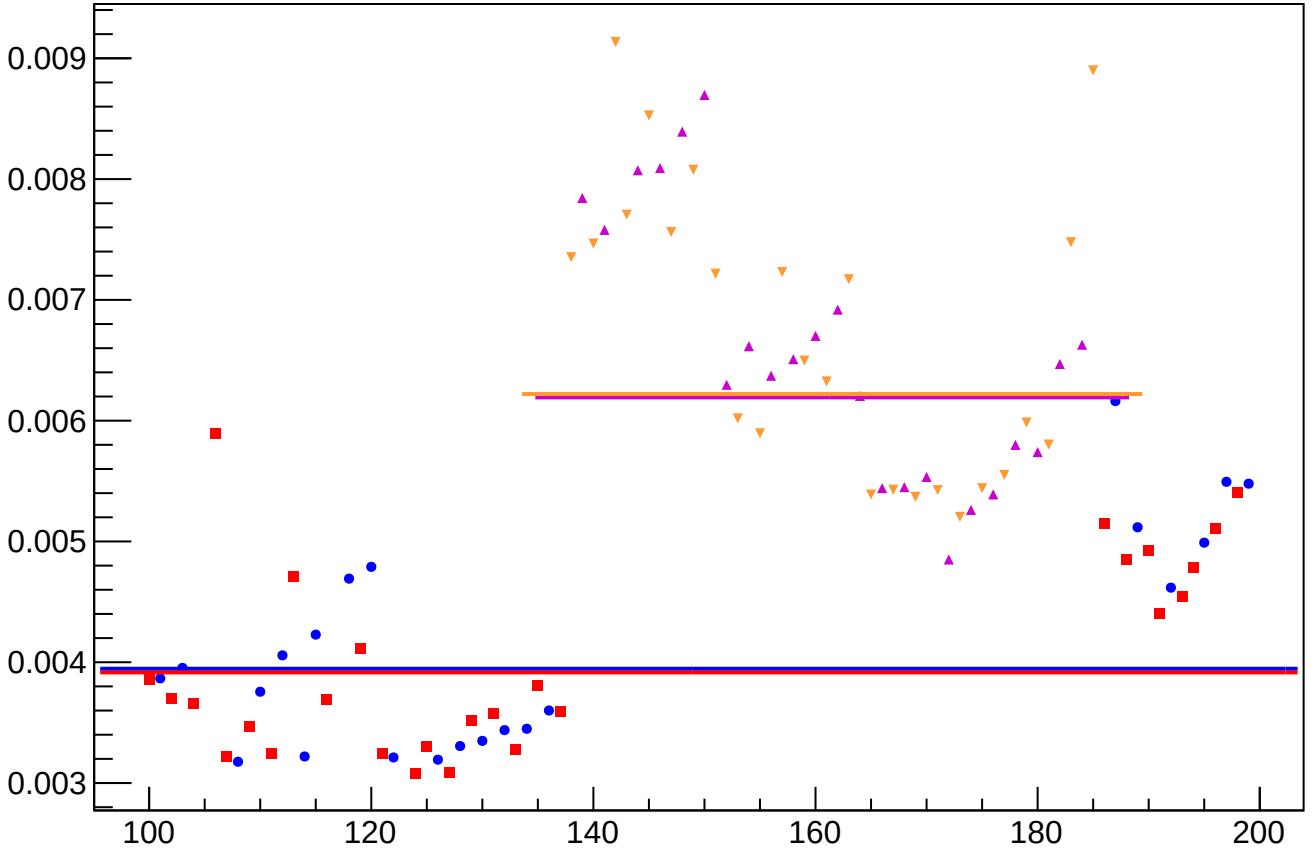
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.211+/-0.000 χ^2/NDF: 1026705310278.9/46

All: 0.229+/-0.000 χ^2/NDF: 2132978836266.

- 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: 785979.5/21

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

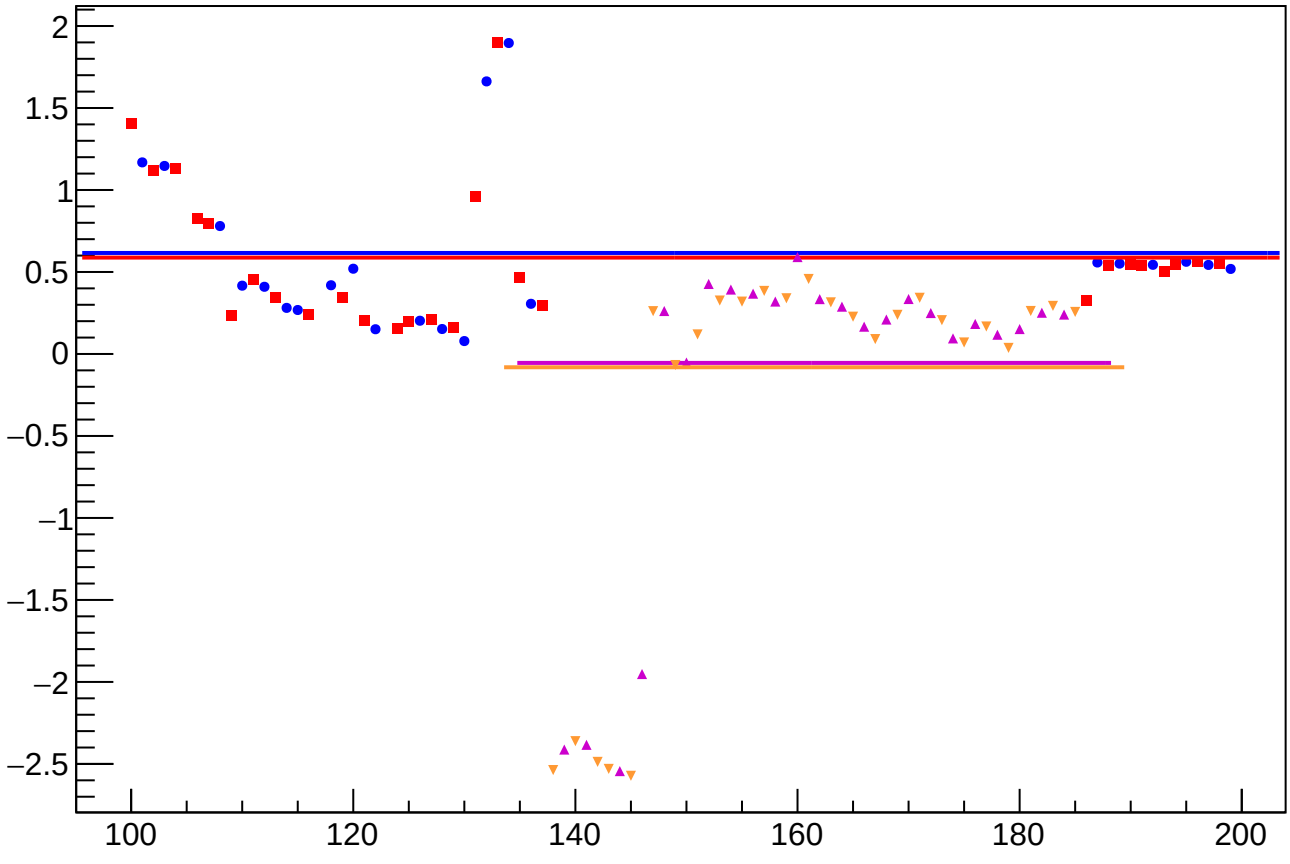
Right Out: 0.004+/-0.000 χ^2/NDF: 825025.4/26

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4323023.7/46

All: 0.005+/-0.000 χ^2/NDF: 8770636.7/96

- sign 0.005+/-0.000 χ^2/NDF: 4431311.7/49



Right In: 0.616+/-0.000 χ^2/NDF: 43228992788.8/21

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.588+/-0.000 χ^2/NDF: 43426447543.4/26

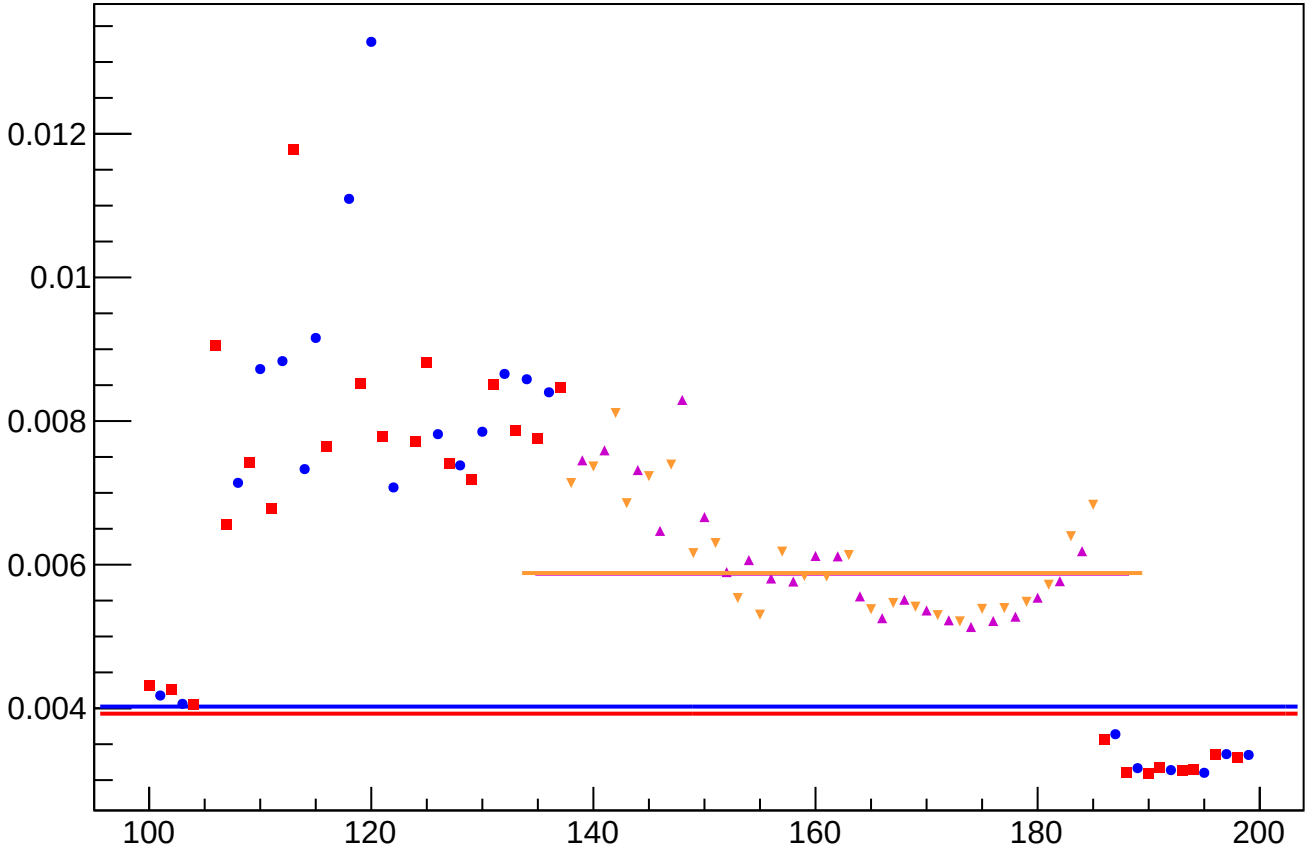
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.279+/-0.000 χ^2/NDF: 558893420577.8/46

All: 0.298+/-0.000 χ^2/NDF: 1065129113401.

- 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: 3310251.9/21

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3316216.4/26

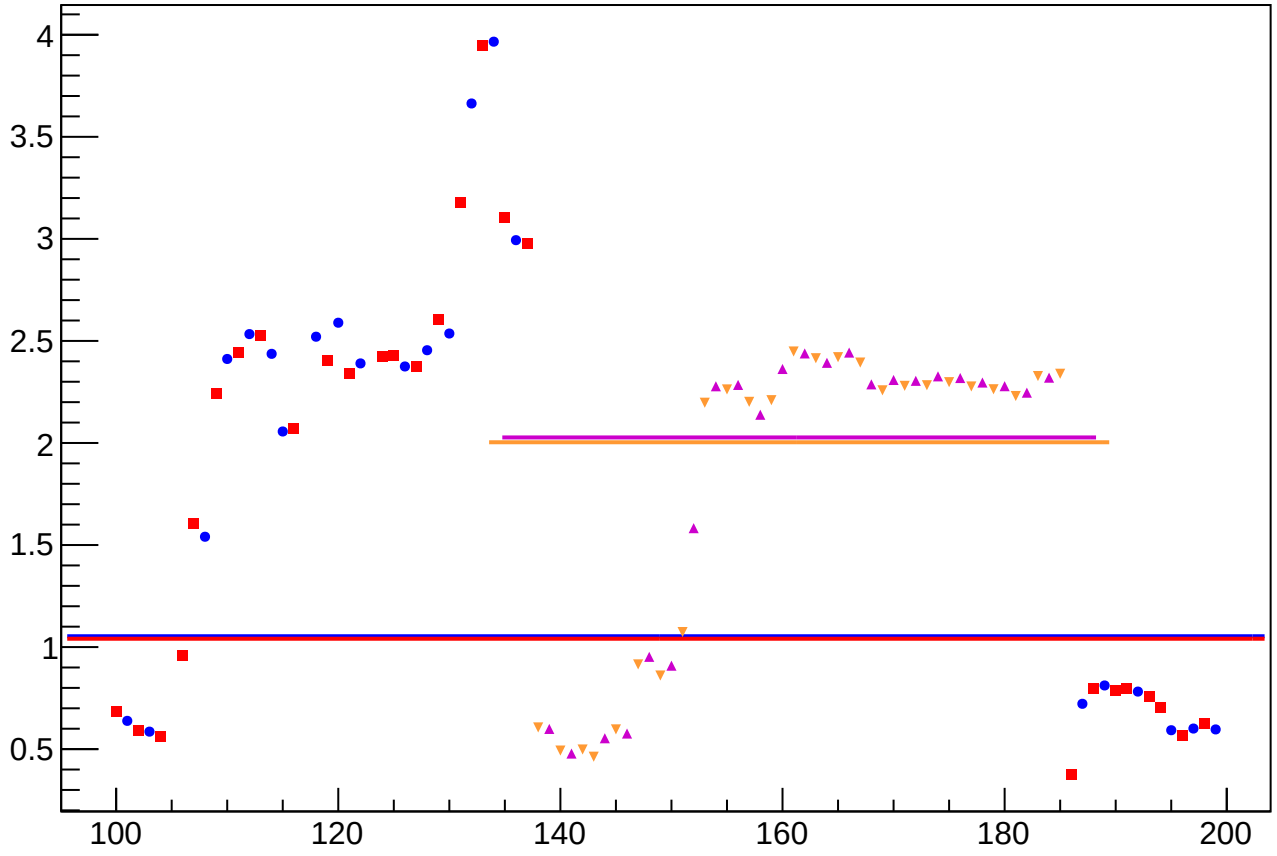
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5579943.5/46

All: 0.005+/-0.000 χ^2/NDF: 11567693.9/96

- sign 0.005+/-0.000 χ^2/NDF: 5956769.0/49

yield_bpm0l05Y_mean vs Slug



Right In: 1.053+/-0.000 χ^2/NDF: 217141453336.8/21

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.041+/-0.000 χ^2/NDF: 247881774295.6/26

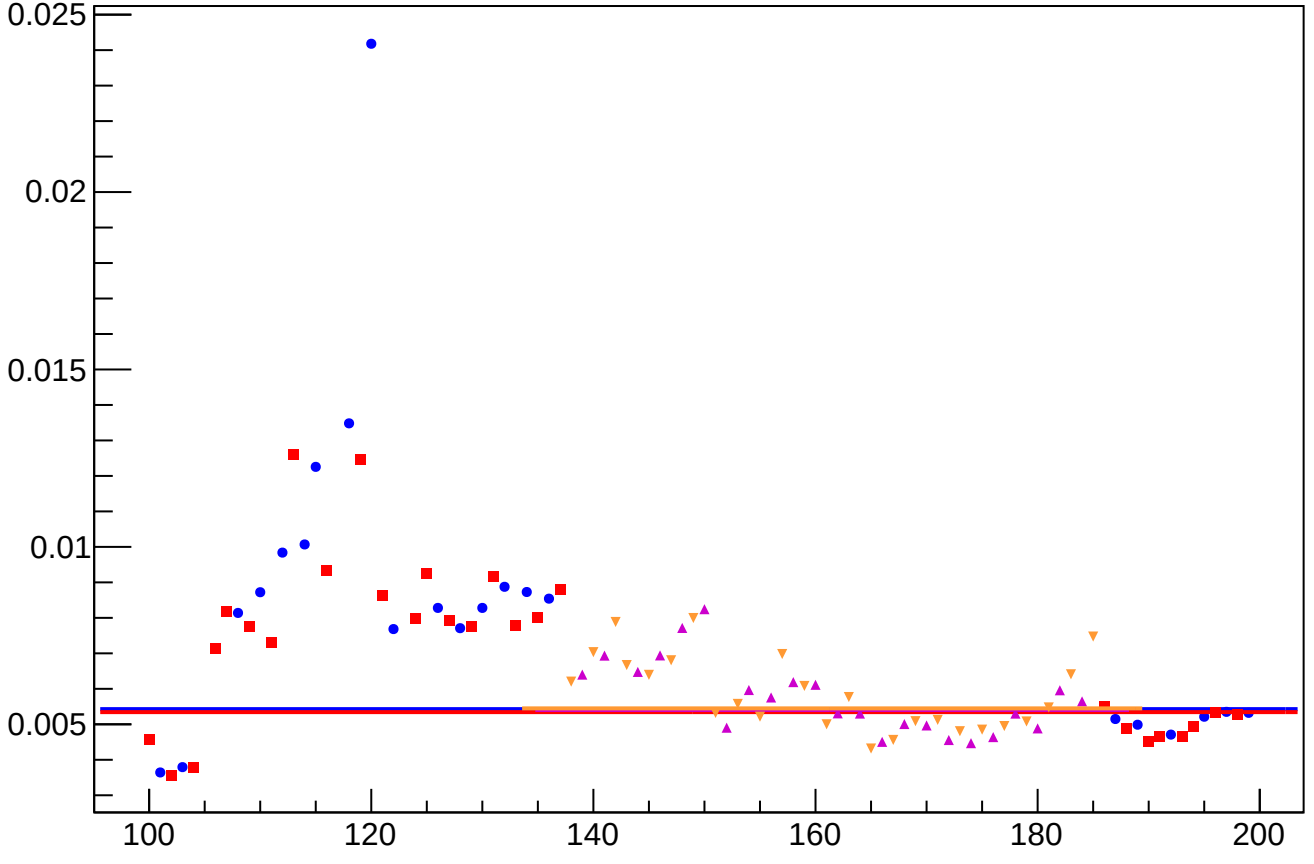
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.662+/-0.000 χ^2/NDF: 615070976308.9/46

All: 1.643+/-0.000 χ^2/NDF: 1269667994436.

- 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: 2306926.5/21

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2124412.7/26

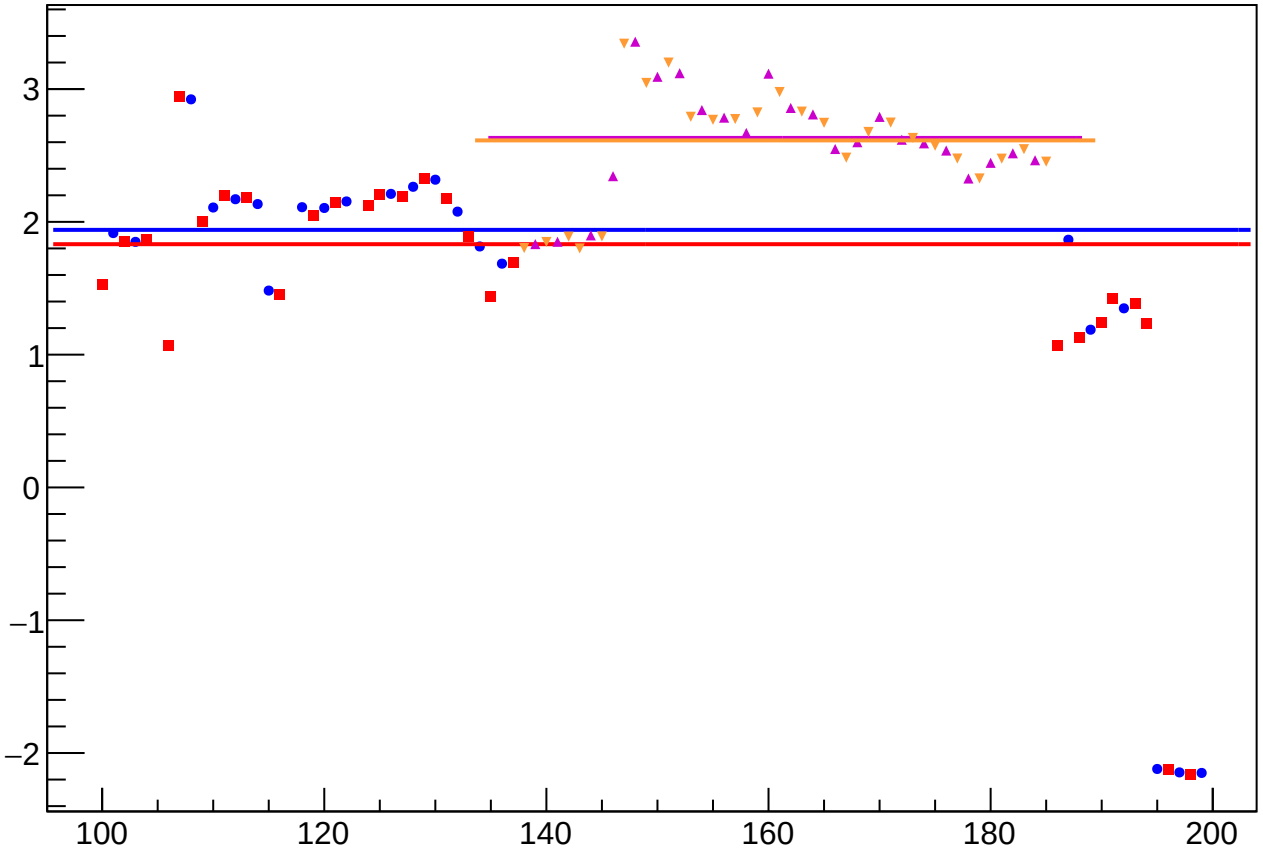
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3078519.2/46

All: 0.005+/-0.000 χ^2/NDF: 6023057.5/96

- sign 0.005+/-0.000 χ^2/NDF: 2941192.3/49

yield_bpm0l06X_mean vs Slug



Right In: 1.940+/-0.000 χ^2/NDF: 80284271713.3/21

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.832+/-0.000 χ^2/NDF: 71301734077.0/26

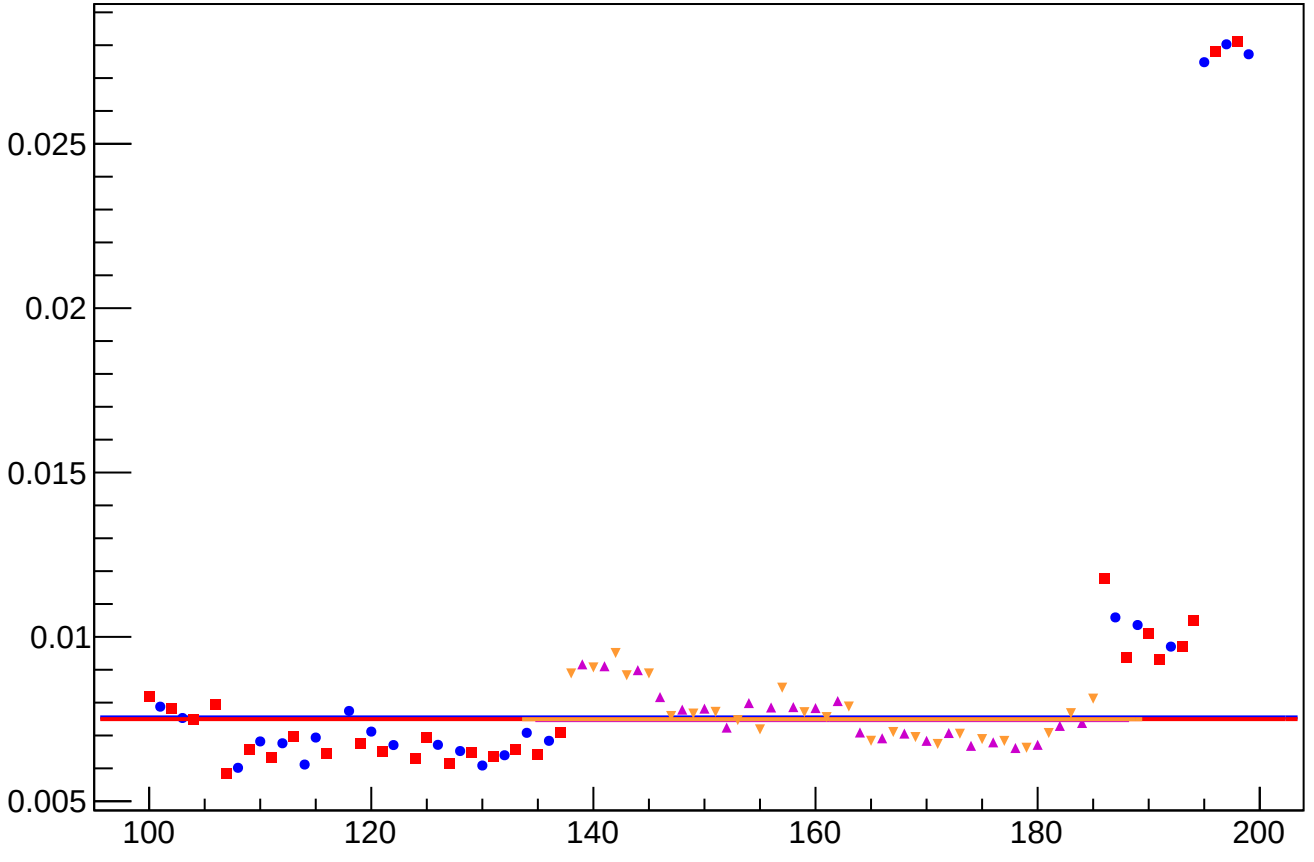
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.384+/-0.000 χ^2/NDF: 176601190506.2/46

All: 2.353+/-0.000 χ^2/NDF: 366424211095.8

- sign 2.322+/-0.000 χ^2/NDF: 188863599240.5/49

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3205857.9/21

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2529977.1/26

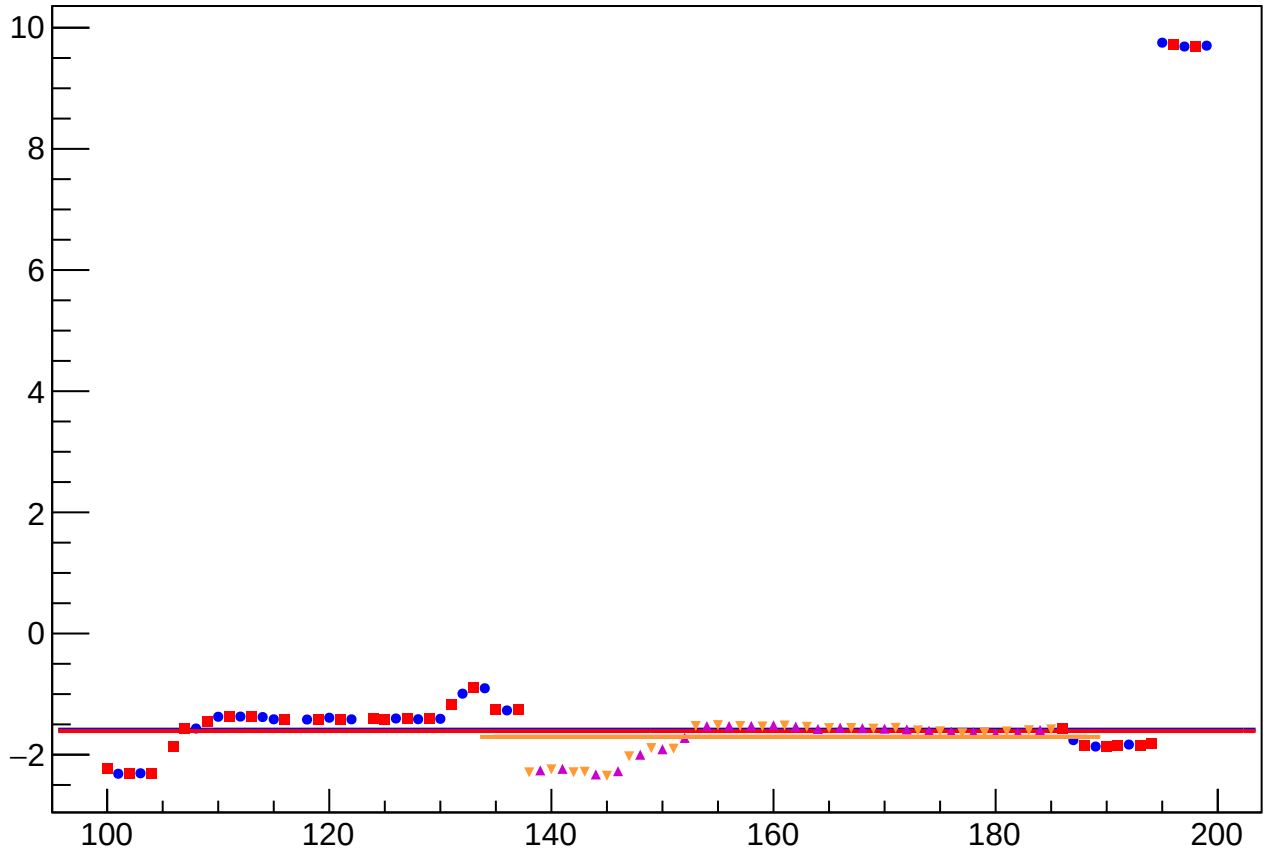
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

\+ sign 0.008+/-0.000 χ^2/NDF: 3539203.6/46

All: 0.007+/-0.000 χ^2/NDF: 6391909.1/96

\- sign 0.007+/-0.000 χ^2/NDF: 2852113.9/49

yield_bpm0l06Y_mean vs Slug



Right In: -1.587+/-0.000 χ^2/NDF: 275092807116.8/21

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.610+/-0.000 χ^2/NDF: 251281826415.9/26

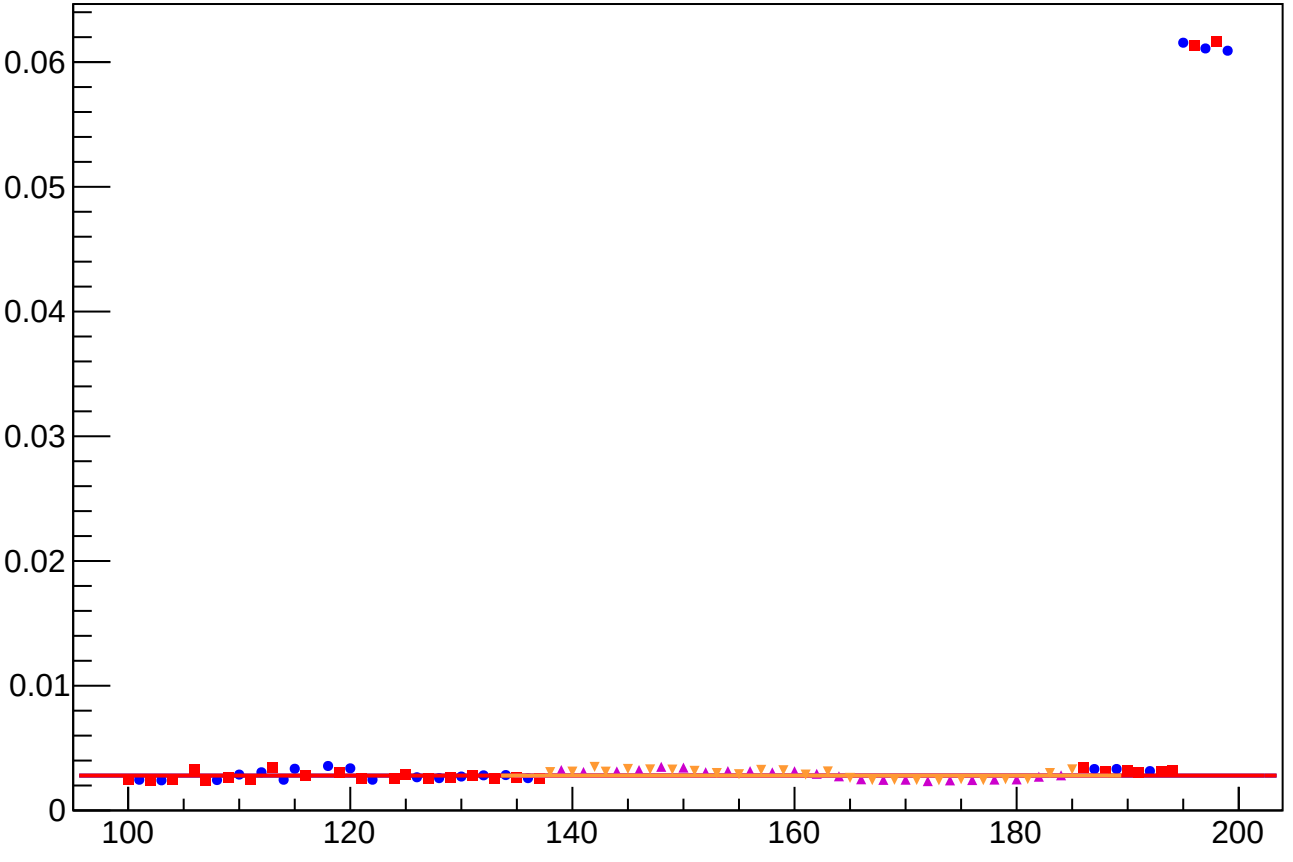
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.669+/-0.000 χ^2/NDF: 437717027880.6/46

All: -1.669+/-0.000 χ^2/NDF: 833072147579.4

- 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: 4995981.2/21

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3310961.2/26

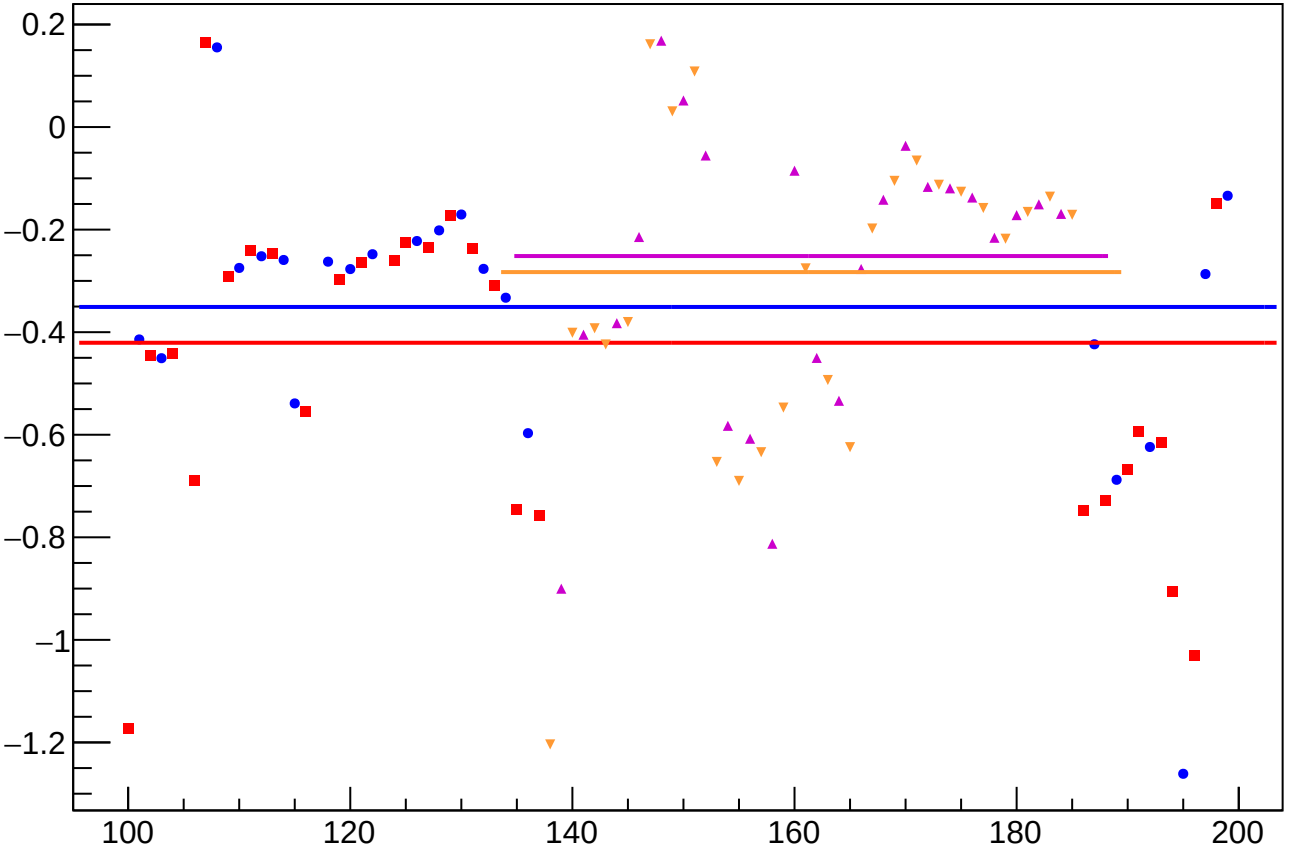
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 5543752.5/46

All: 0.003+/-0.000 χ^2/NDF: 9412297.9/96

- sign 0.003+/-0.000 χ^2/NDF: 3868425.4/49

yield_bpm0l07X_mean vs Slug



Right In: -0.351+/-0.000 χ^2/NDF: 4766699859.5/21

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.421+/-0.000 χ^2/NDF: 5541598462.2/26

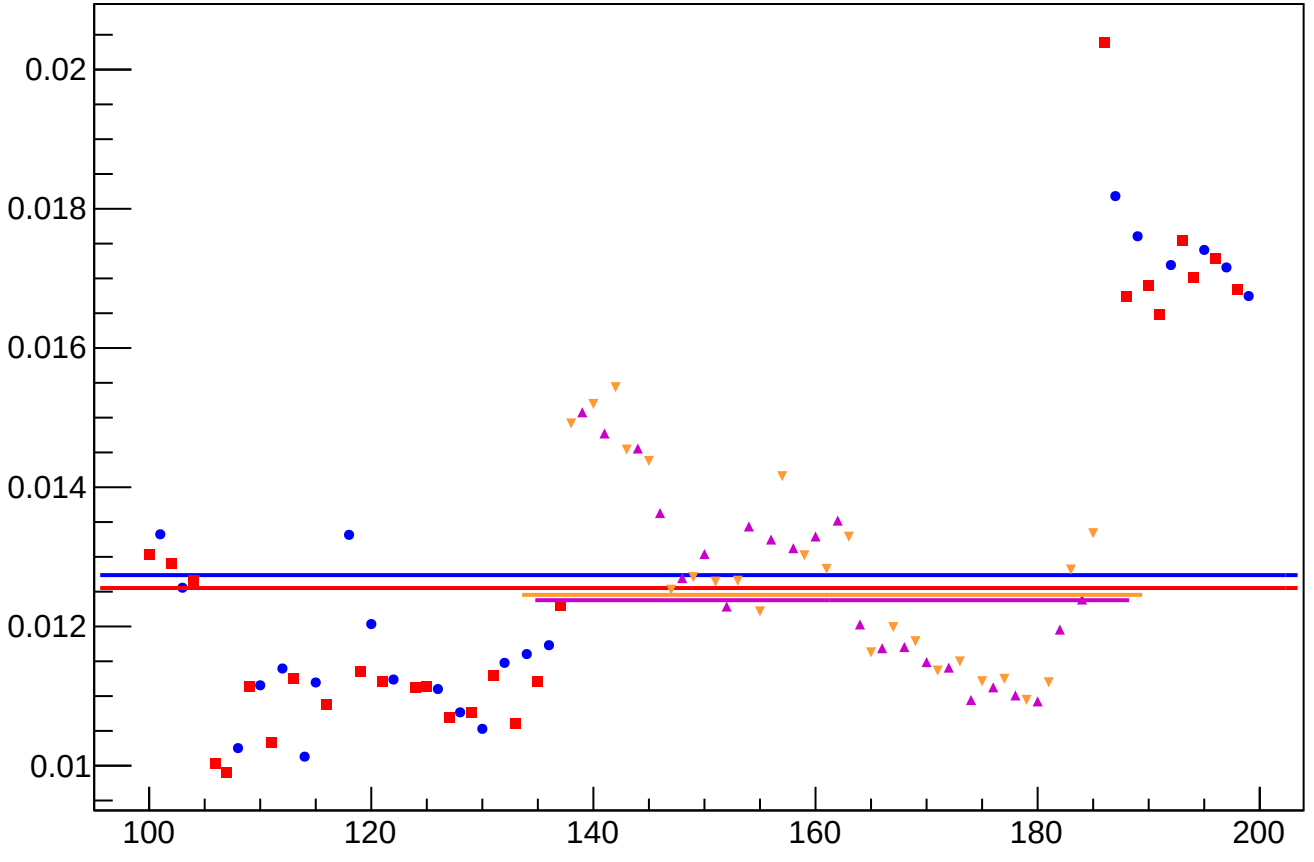
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.307+/-0.000 χ^2/NDF: 14306308133.7/46

All: -0.314+/-0.000 χ^2/NDF: 28328309528.4/

- sign -0.320+/-0.000 χ^2/NDF: 14008033097.9/49

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 812737.6/21

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1079388.4/26

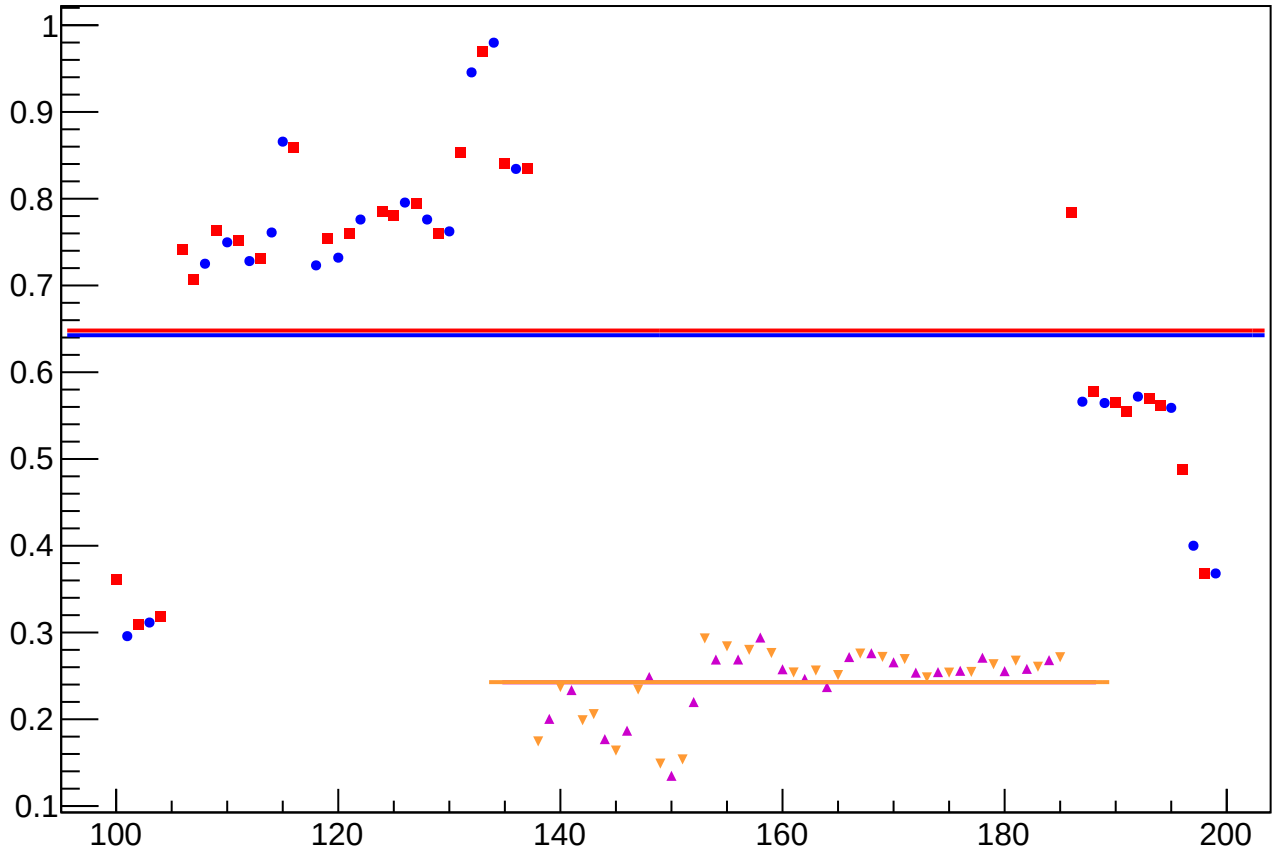
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 1160980.3/46

All: 0.013+/-0.000 χ^2/NDF: 2572272.8/96

- sign 0.012+/-0.000 χ^2/NDF: 1409094.3/49

yield_bpm0l07Y_mean vs Slug



Right In: 0.643+/-0.000 χ^2/NDF: 68969369191.3/21

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.648+/-0.000 χ^2/NDF: 62602028355.2/26

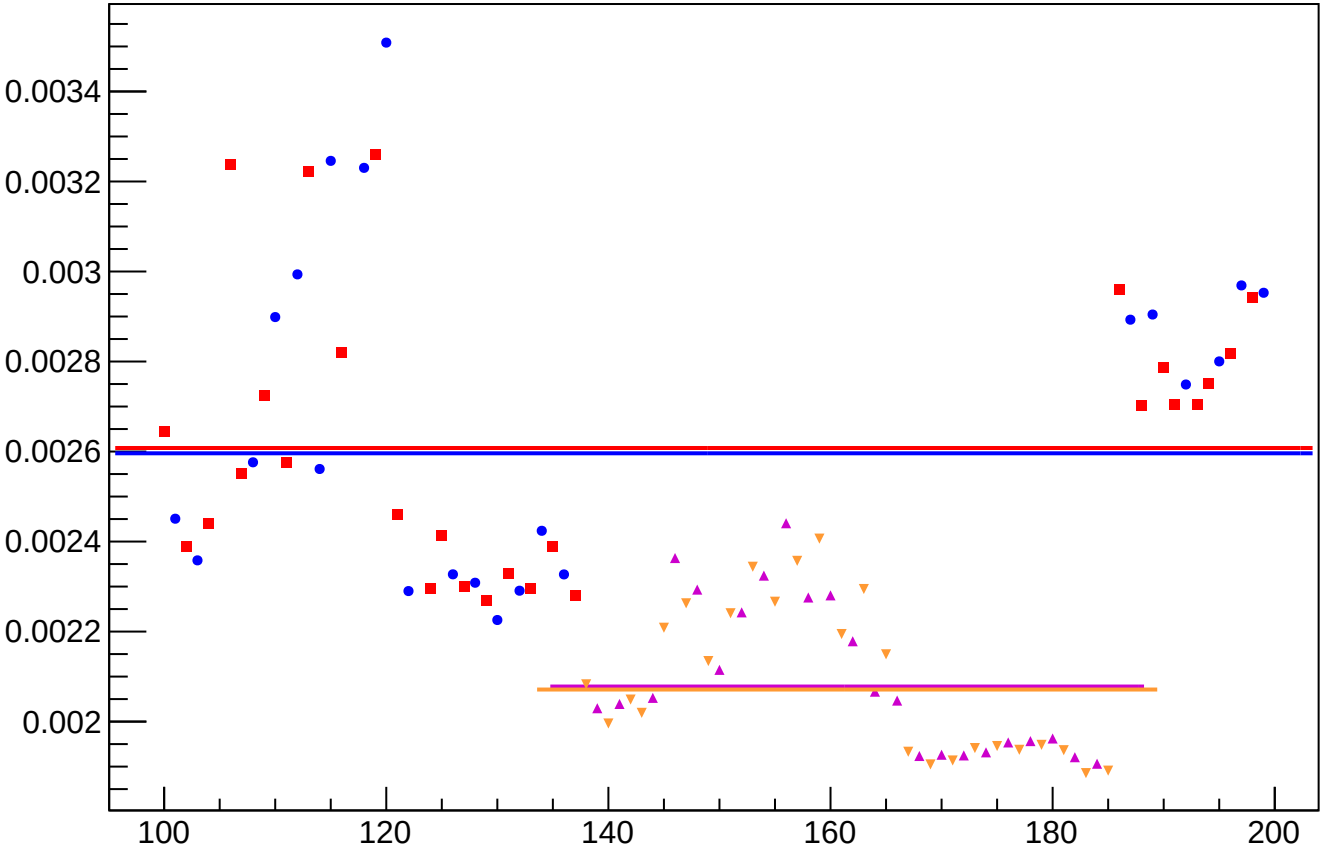
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.350+/-0.000 χ^2/NDF: 266515059878.7/46

All: 0.357+/-0.000 χ^2/NDF: 542070865237.2

- 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: 323534.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 257391.1/26

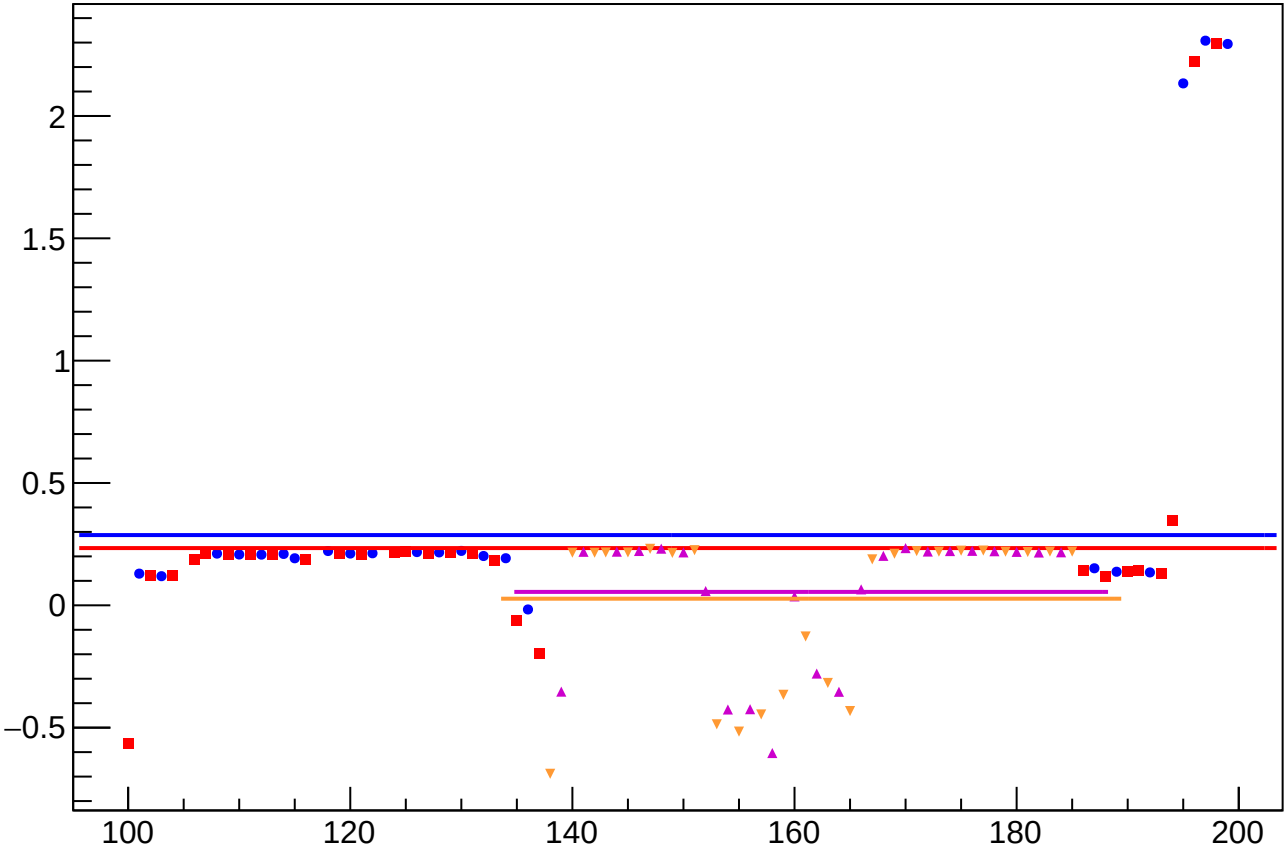
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 1213061.2/46

All: 0.002+/-0.000 χ^2/NDF: 2391566.4/96

- sign 0.002+/-0.000 χ^2/NDF: 1174680.1/49

yield_bpm0l08X_mean vs Slug



Right In: 0.287+/-0.000 χ^2/NDF: 19148356645.5/21

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.234+/-0.000 χ^2/NDF: 13778193528.3/26

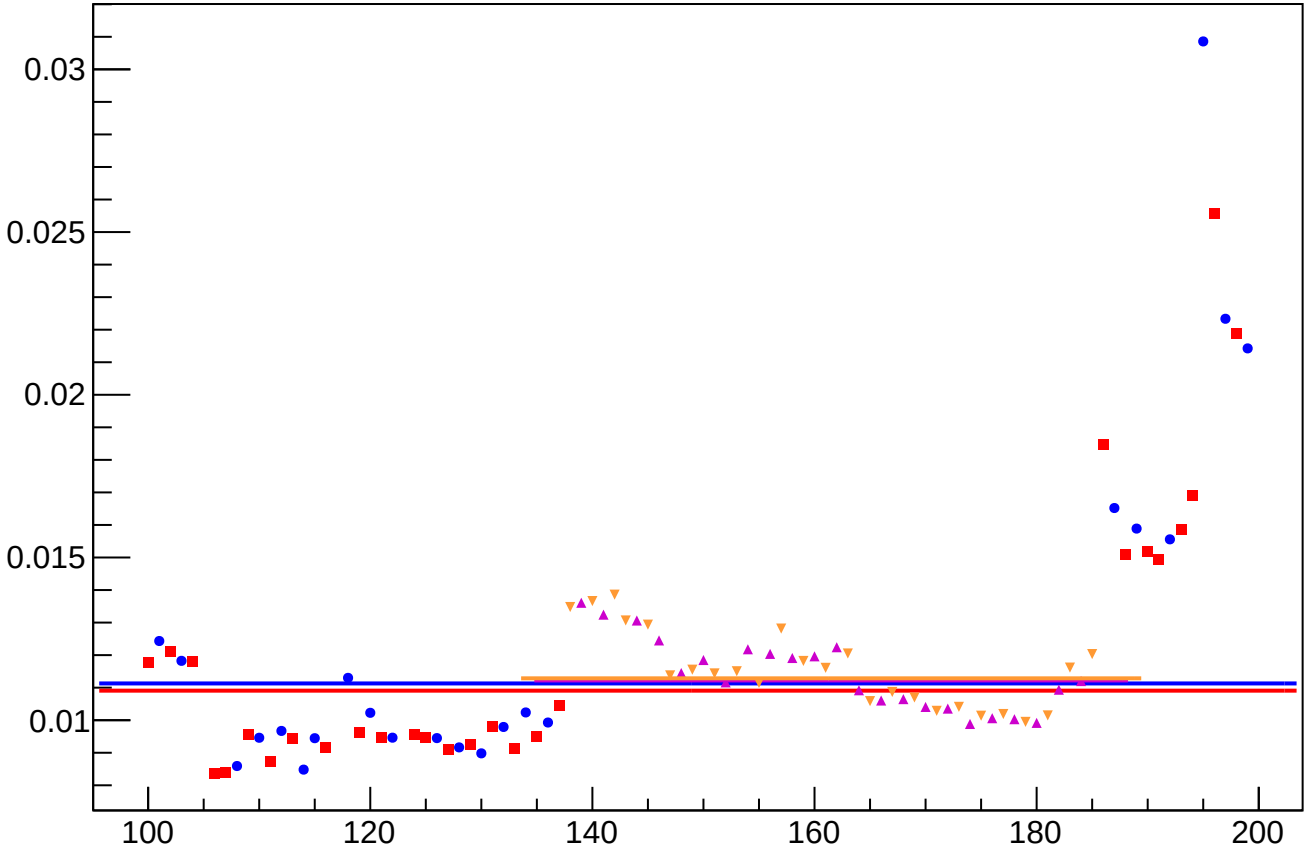
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.121+/-0.000 χ^2/NDF: 35635338691.0/46

All: 0.125+/-0.000 χ^2/NDF: 60932922411.1/9

- 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: 2193189.3/21

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

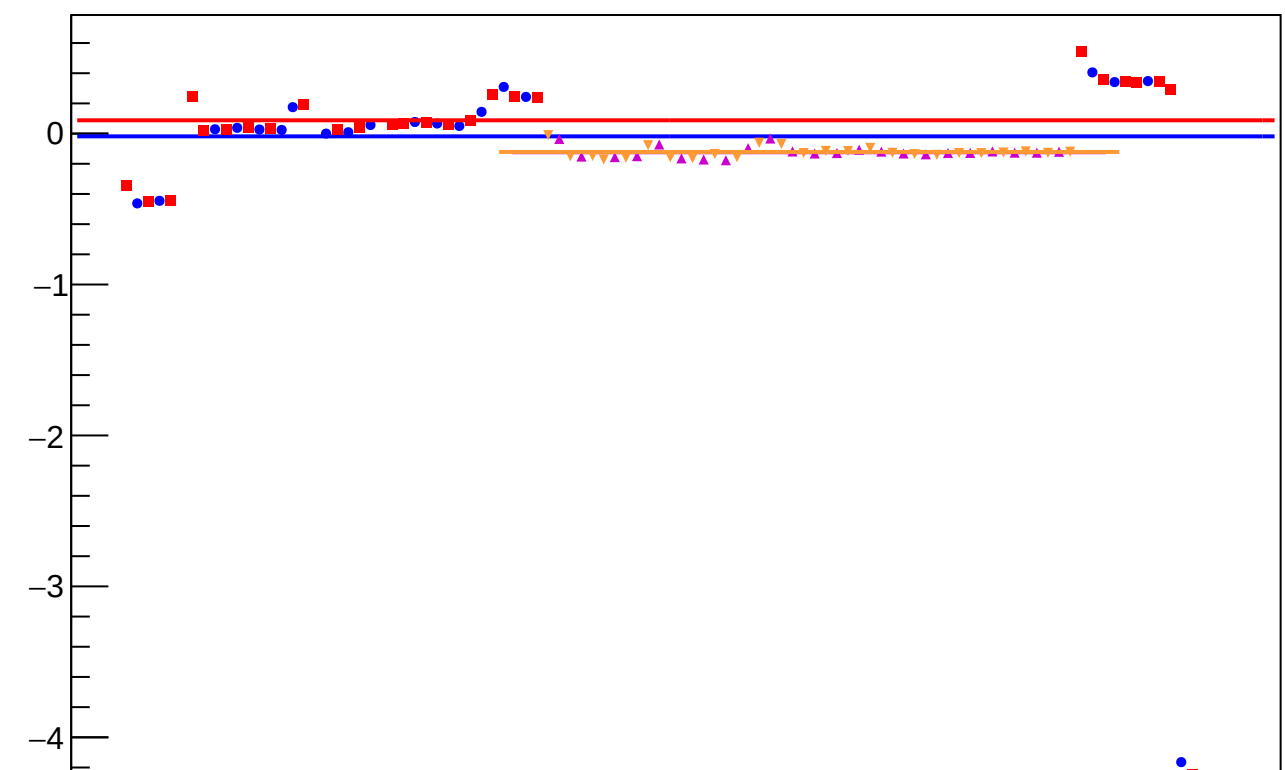
Right Out: 0.011+/-0.000 χ^2/NDF: 2092748.7/26

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 2523991.6/46

All: 0.011+/-0.000 χ^2/NDF: 4947399.4/96

- sign 0.011+/-0.000 χ^2/NDF: 2419159.9/49



Right In: -0.018+/-0.000 χ^2/NDF: 157515875138.7/21

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.088+/-0.000 χ^2/NDF: 128096984324.7/26

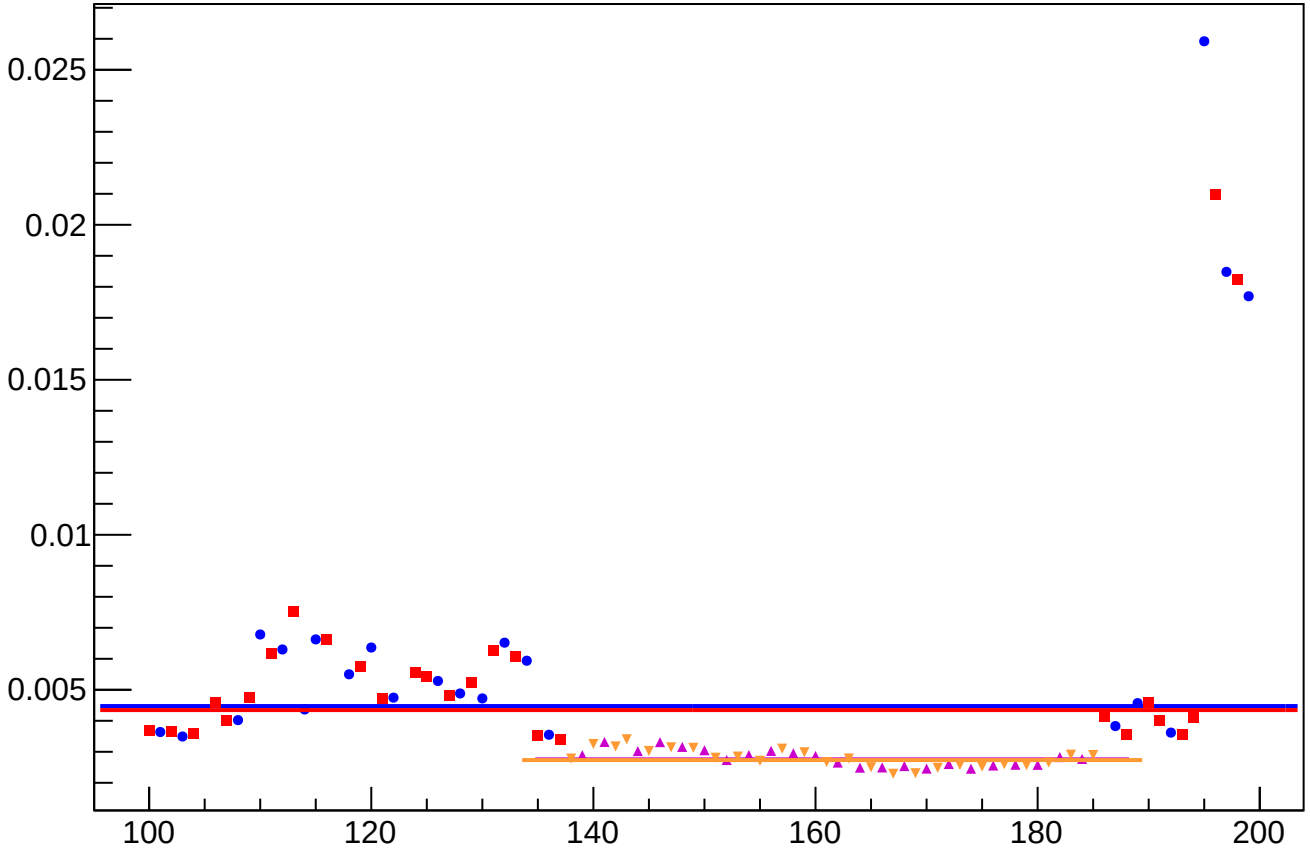
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.106+/-0.000 χ^2/NDF: 164368574952.1/46

All: -0.095+/-0.000 χ^2/NDF: 315693085593.5

- 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: 3920369.6/21

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2865197.1/26

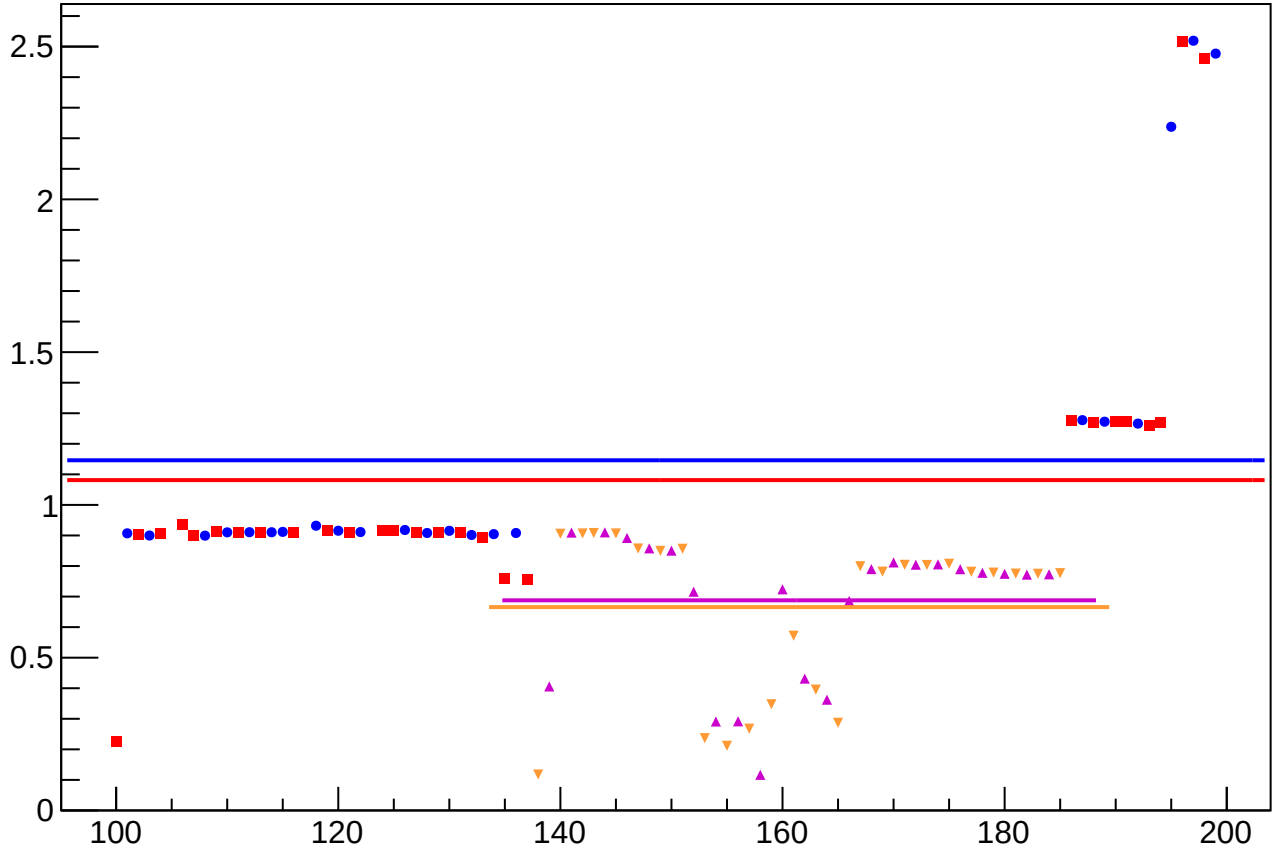
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 6546908.3/46

All: 0.003+/-0.000 χ^2/NDF: 11934598.1/96

- sign 0.003+/-0.000 χ^2/NDF: 5374734.7/49

yield_bpm0l09X_mean vs Slug



Right In: 1.146+/-0.000 χ^2/NDF: 20043416117.8/21

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.081+/-0.000 χ^2/NDF: 16009683358.2/26

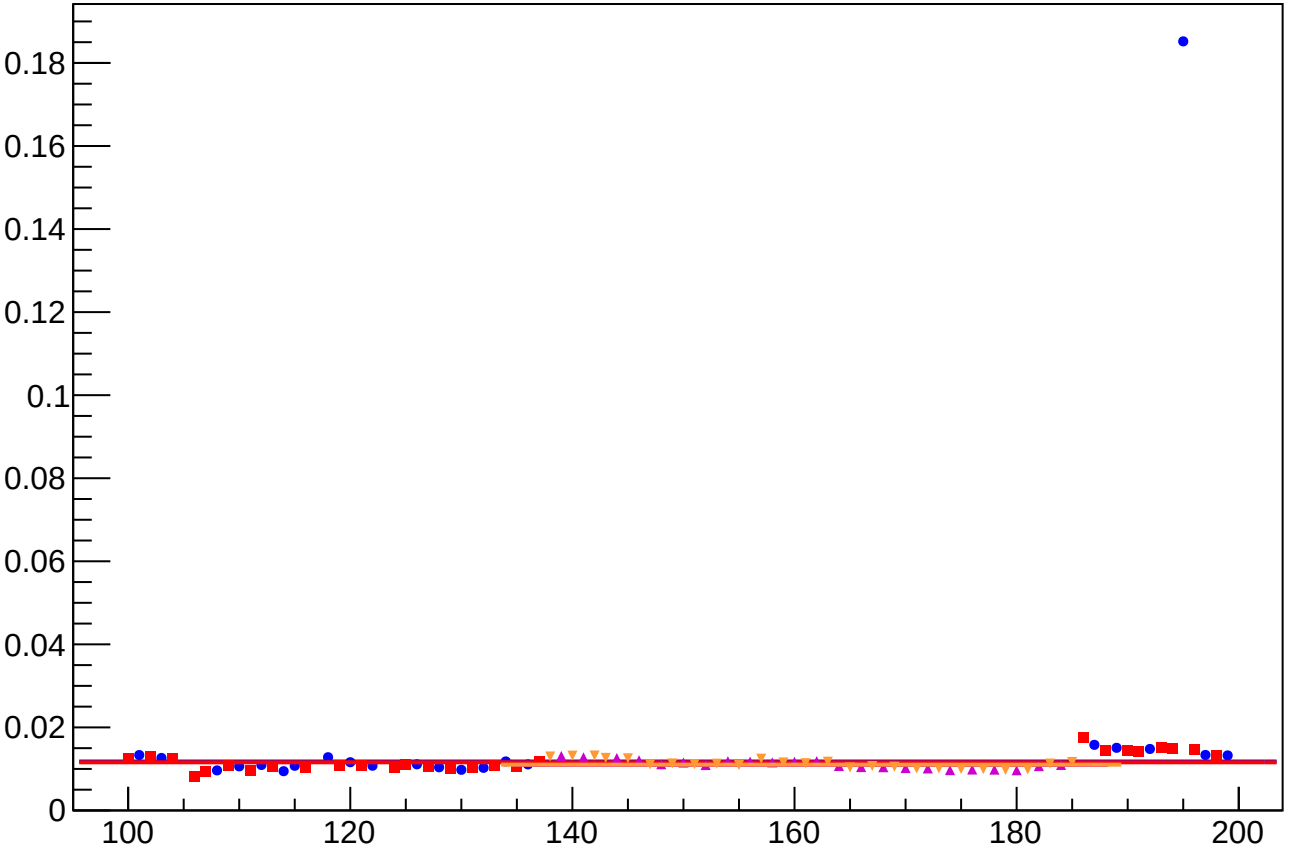
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.822+/-0.000 χ^2/NDF: 40623556441.8/46

All: 0.828+/-0.000 χ^2/NDF: 71982081115.6/9

- 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: 1925957.1/21

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 678706.2/26

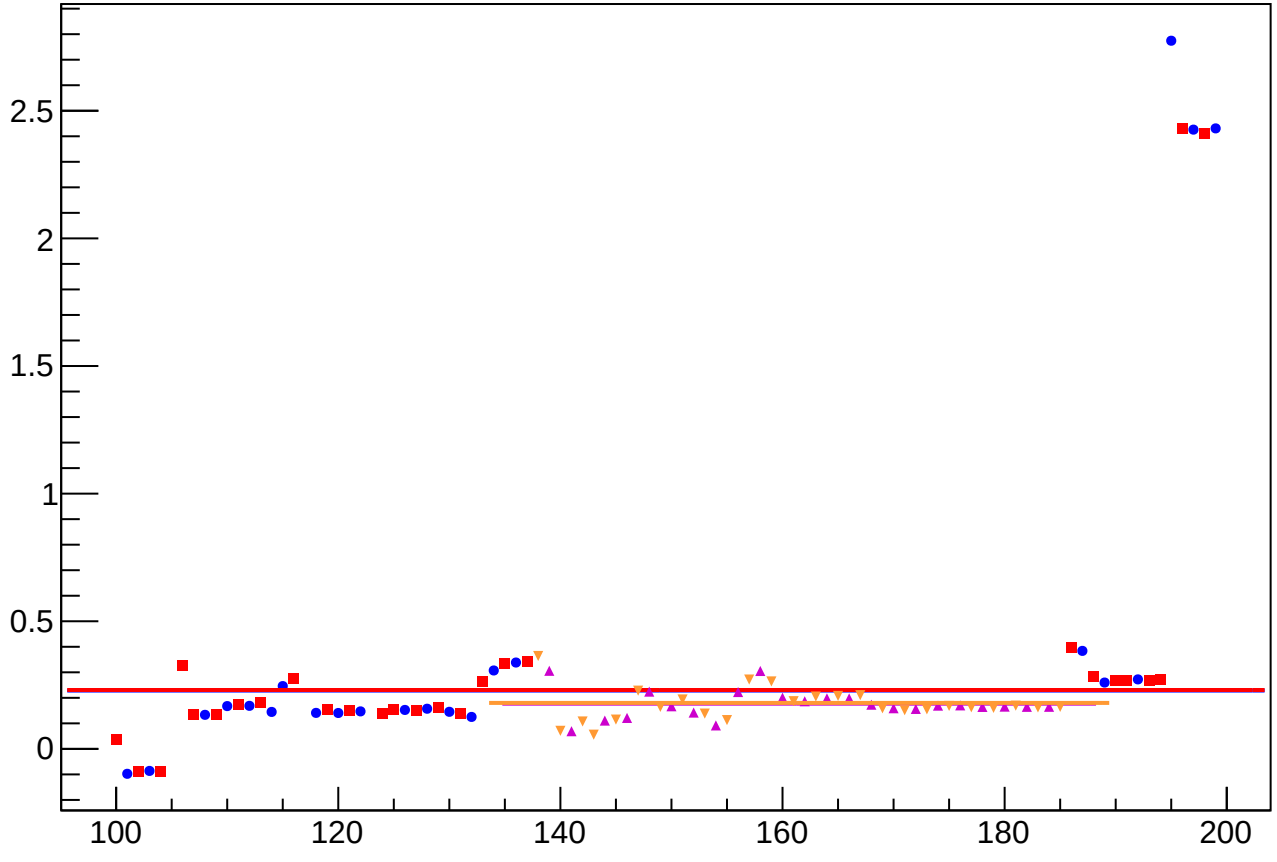
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2280649.7/46

All: 0.011+/-0.000 χ^2/NDF: 3290759.9/96

- sign 0.011+/-0.000 χ^2/NDF: 1008853.6/49

yield_bpm0l09Y_mean vs Slug



Right In: 0.229+/-0.000 χ^2/NDF: 58775604537.4/21

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.231+/-0.000 χ^2/NDF: 43321240523.8/26

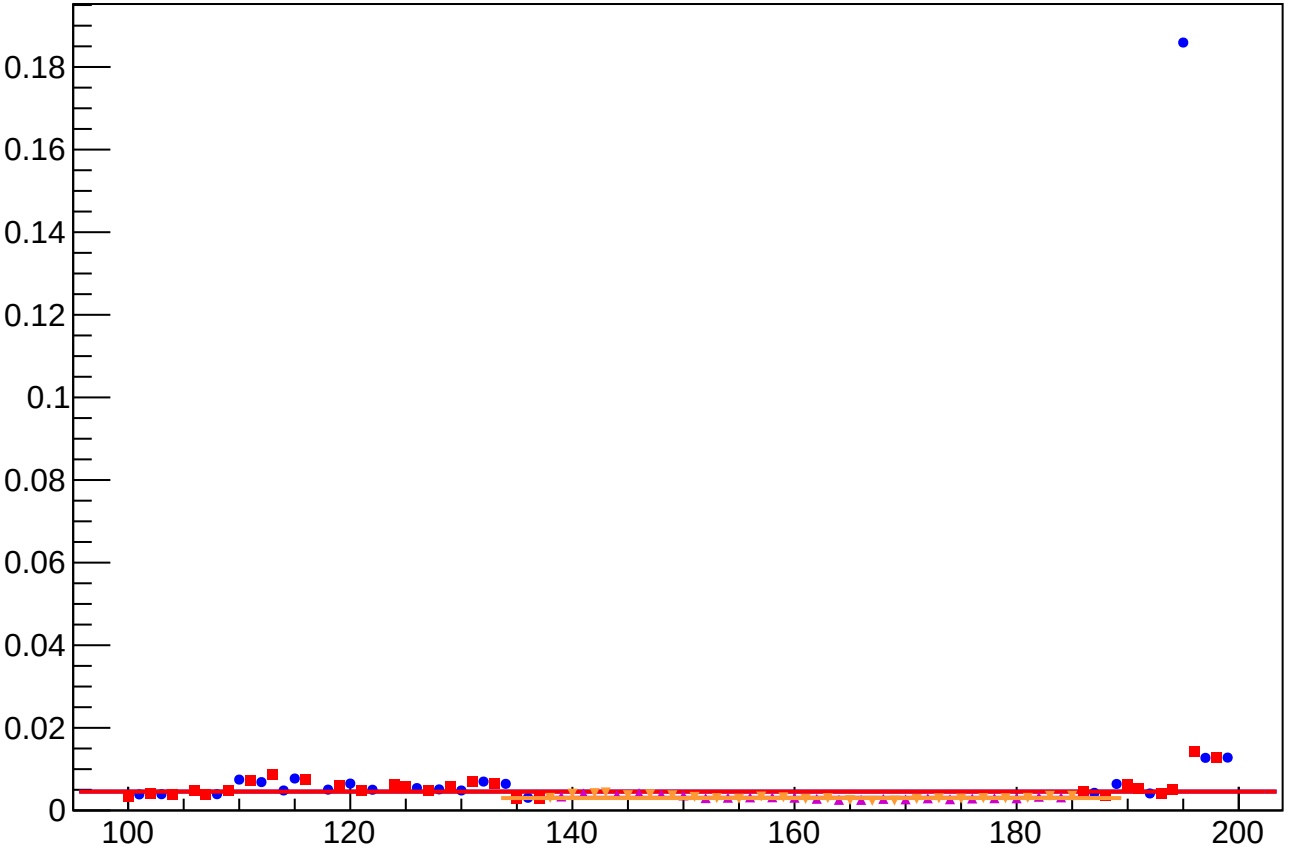
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.188+/-0.000 χ^2/NDF: 65992751664.6/46

All: 0.188+/-0.000 χ^2/NDF: 114989913755.5

- sign 0.188+/-0.000 χ^2/NDF: 48997139773.6/49

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 4032963.4/21

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

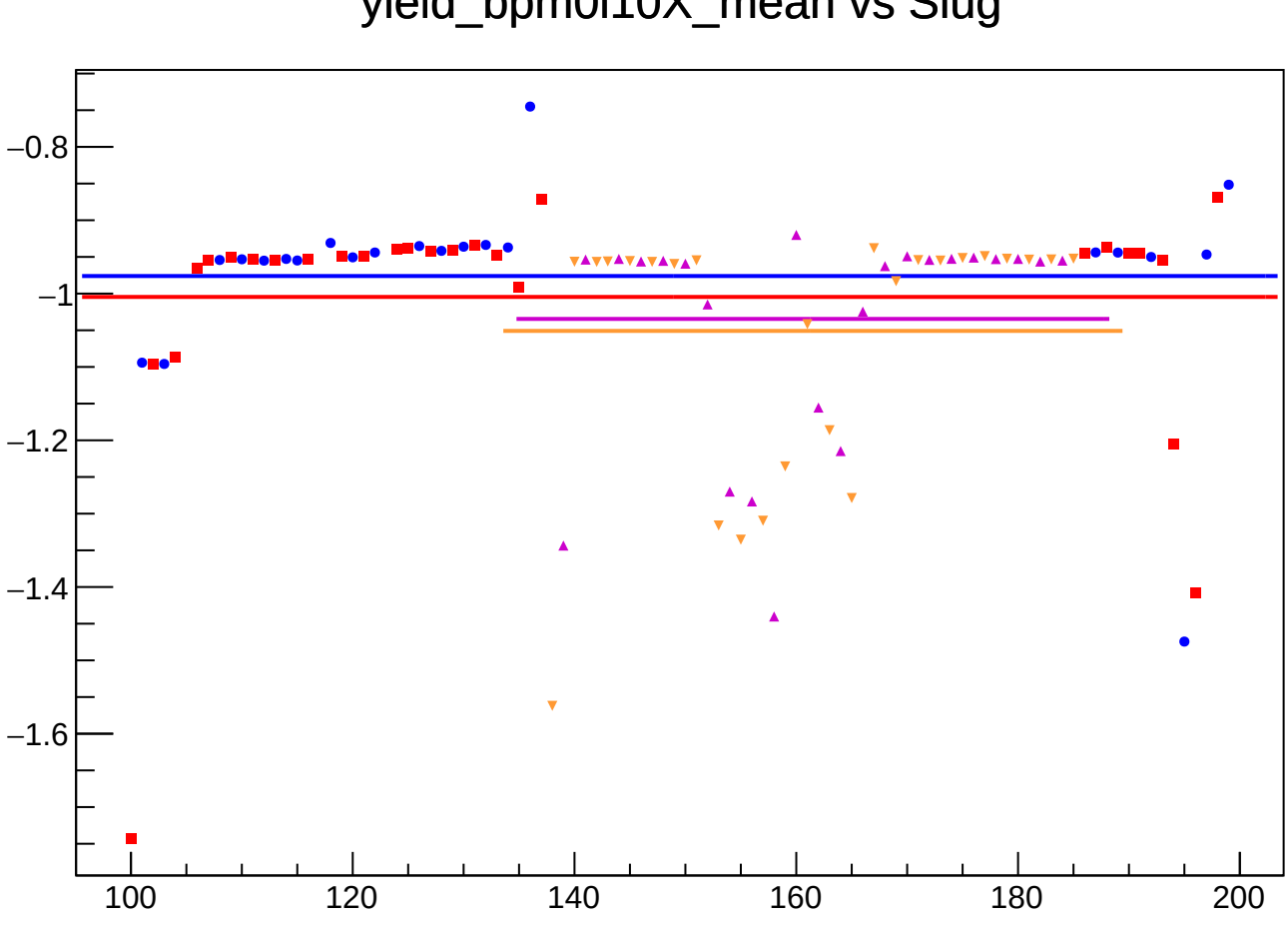
Right Out: 0.005+/-0.000 χ^2/NDF: 2341813.8/26

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 6554860.2/46

All: 0.003+/-0.000 χ^2/NDF: 11138102.1/96

- sign 0.003+/-0.000 χ^2/NDF: 4552202.4/49



Right In: -0.976+/-0.000 χ^2/NDF: 1811073929.4/21

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.005+/-0.000 χ^2/NDF: 1670743904.6/26

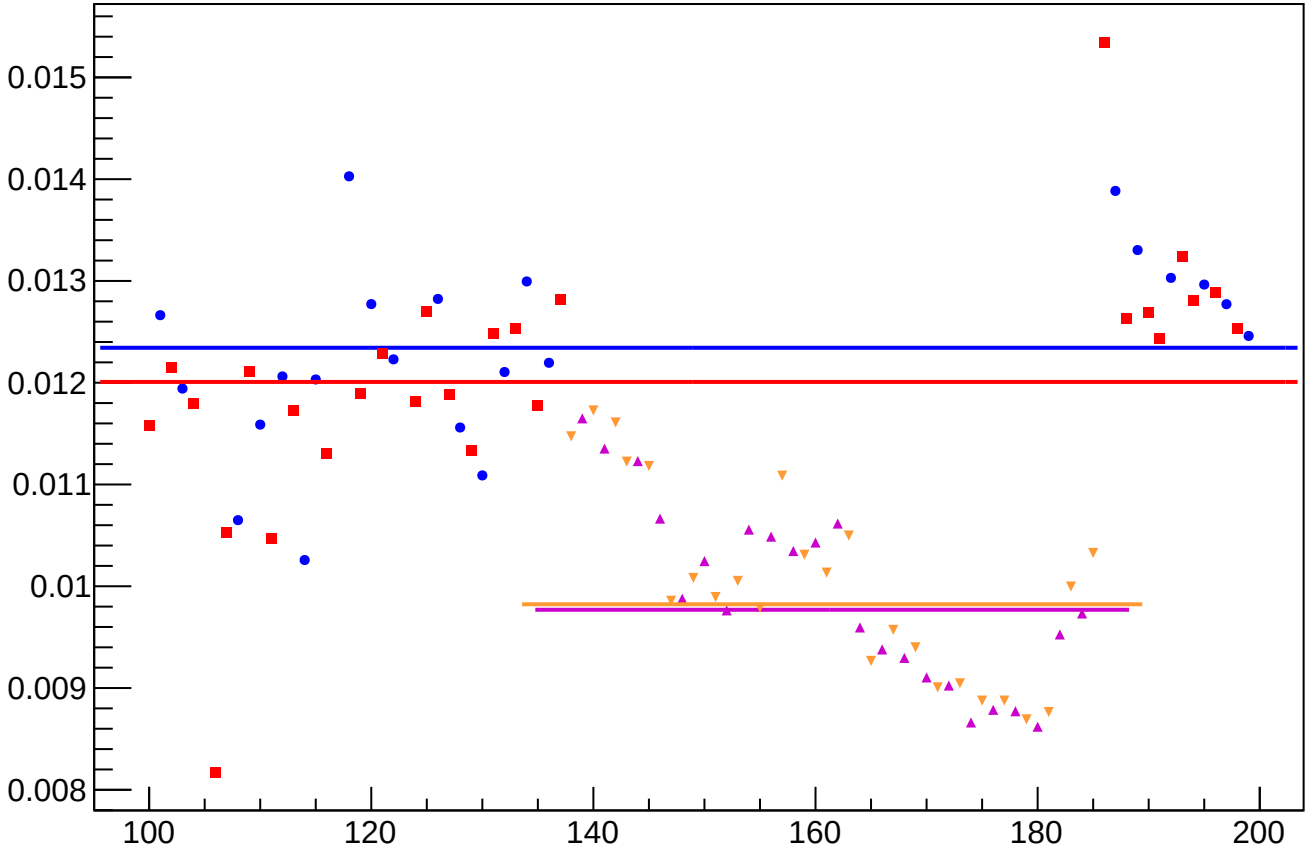
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.030+/-0.000 χ^2/NDF: 7187901423.5/46

All: -1.028+/-0.000 χ^2/NDF: 12840626376.5/

- 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: 91619.1/21

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

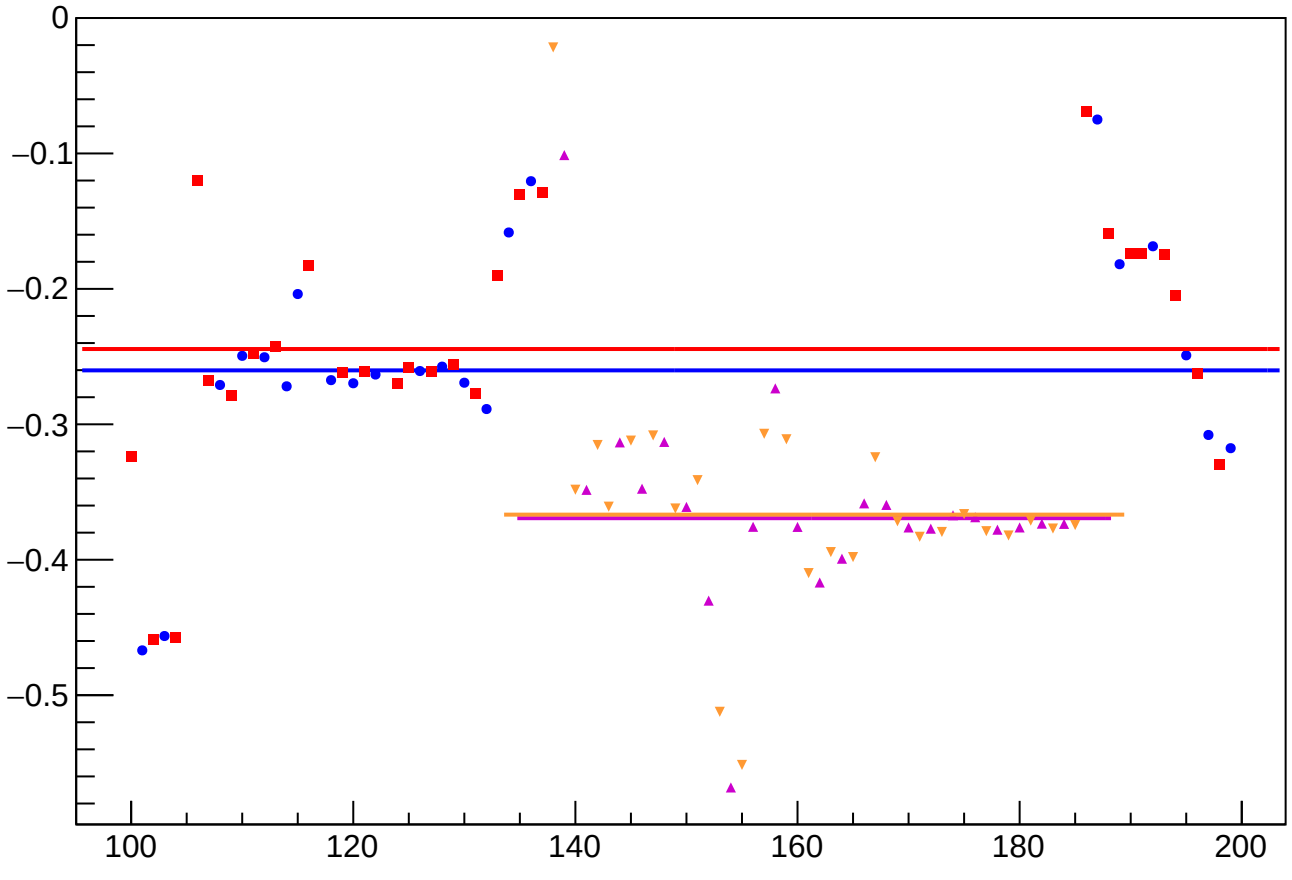
Right Out: 0.012+/-0.000 χ^2/NDF: 252929.0/26

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 1054962.6/46

All: 0.010+/-0.000 χ^2/NDF: 2175356.5/96

- sign 0.010+/-0.000 χ^2/NDF: 1120054.8/49



Right In: -0.260+/-0.000 χ^2/NDF: 7360388716.5/21

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.244+/-0.000 χ^2/NDF: 7260525393.2/26

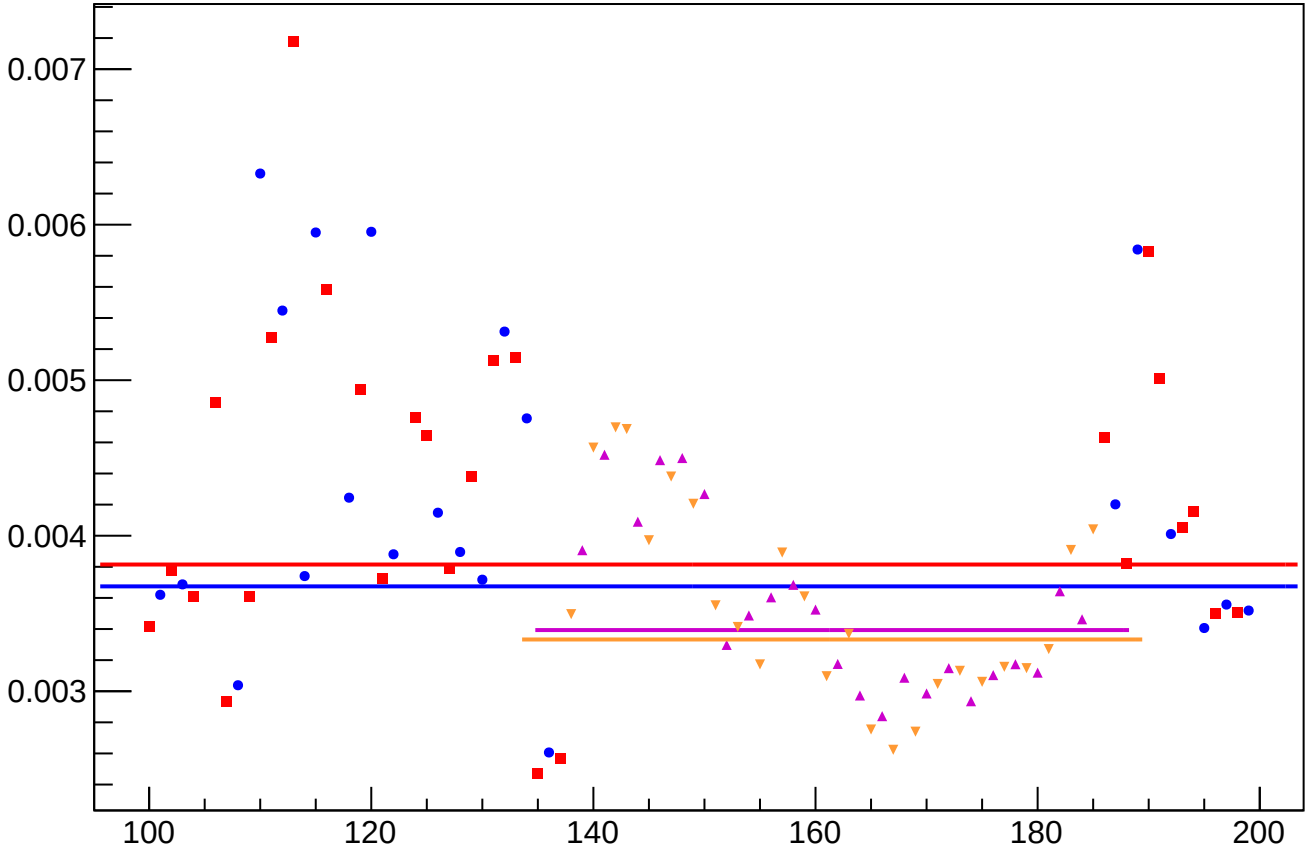
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.333+/-0.000 χ^2/NDF: 24954208491.5/46

All: -0.330+/-0.000 χ^2/NDF: 47573604045.9/

- 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: 901160.2/21

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1067028.2/26

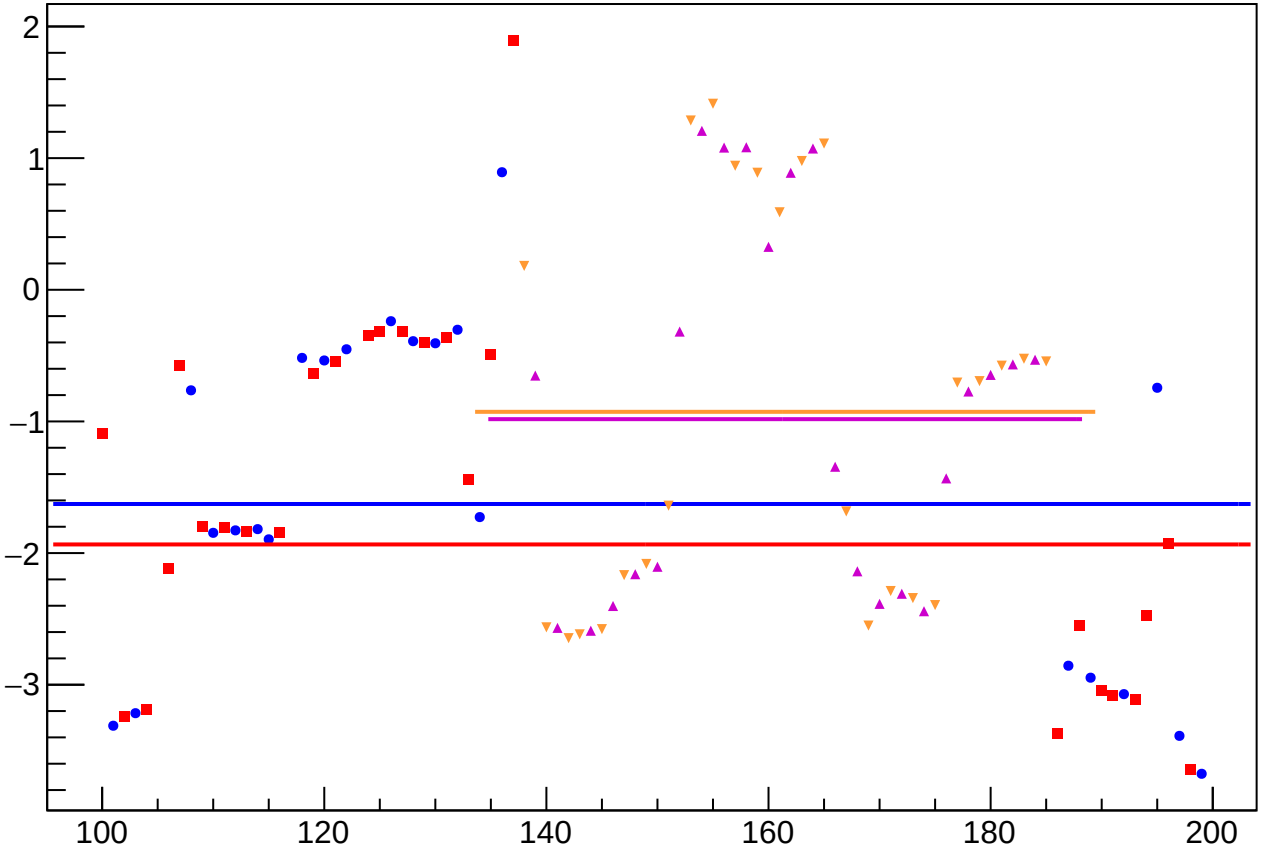
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1874965.0/46

All: 0.003+/-0.000 χ^2/NDF: 3772991.6/96

- sign 0.004+/-0.000 χ^2/NDF: 1876515.8/49

yield_bpm0r03X_mean vs Slug



Right In: -1.627+/-0.000 χ^2/NDF: 4470068353.7/21

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.934+/-0.000 χ^2/NDF: 3408237362.7/26

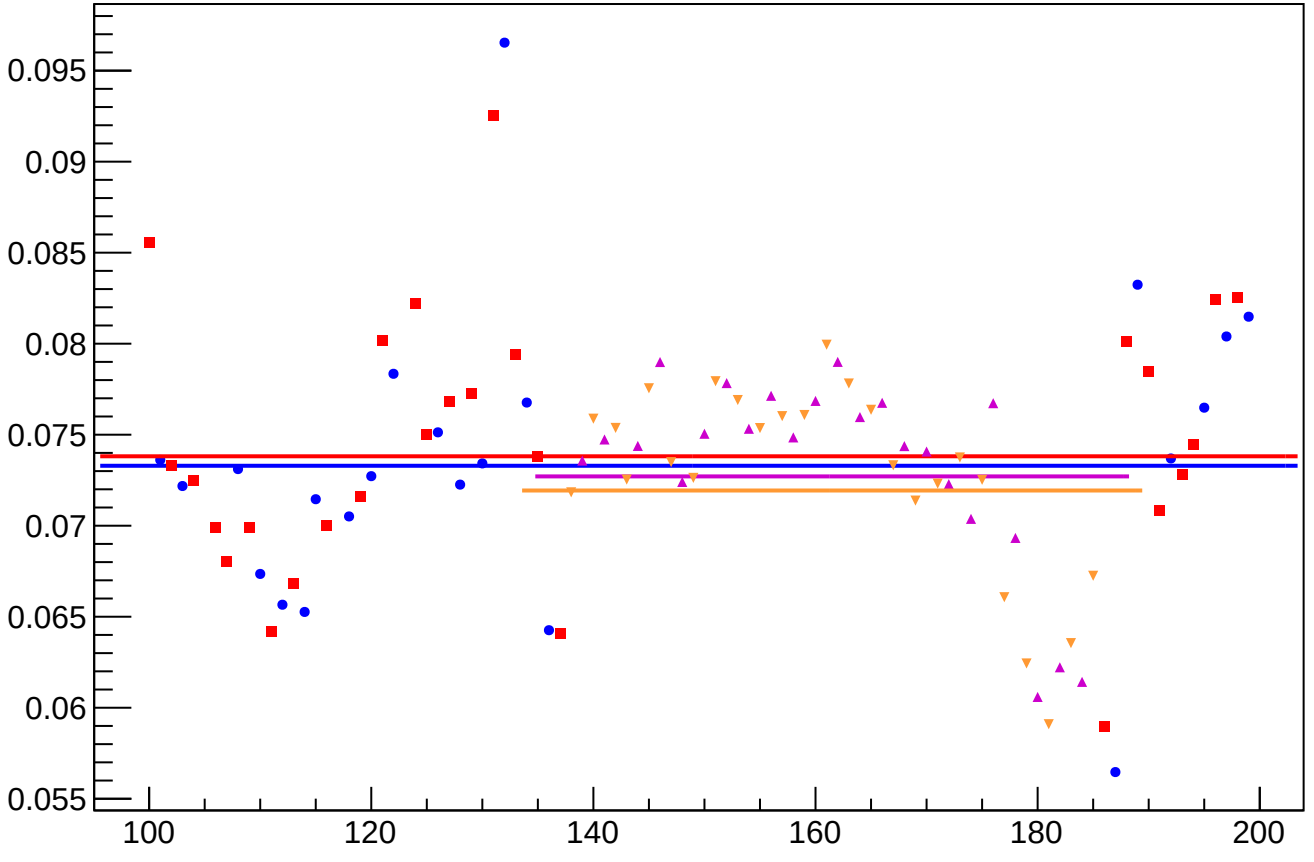
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.181+/-0.000 χ^2/NDF: 12371182251.7/46

All: -1.273+/-0.000 χ^2/NDF: 23035029665.5/

- 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: 189510.7/21

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

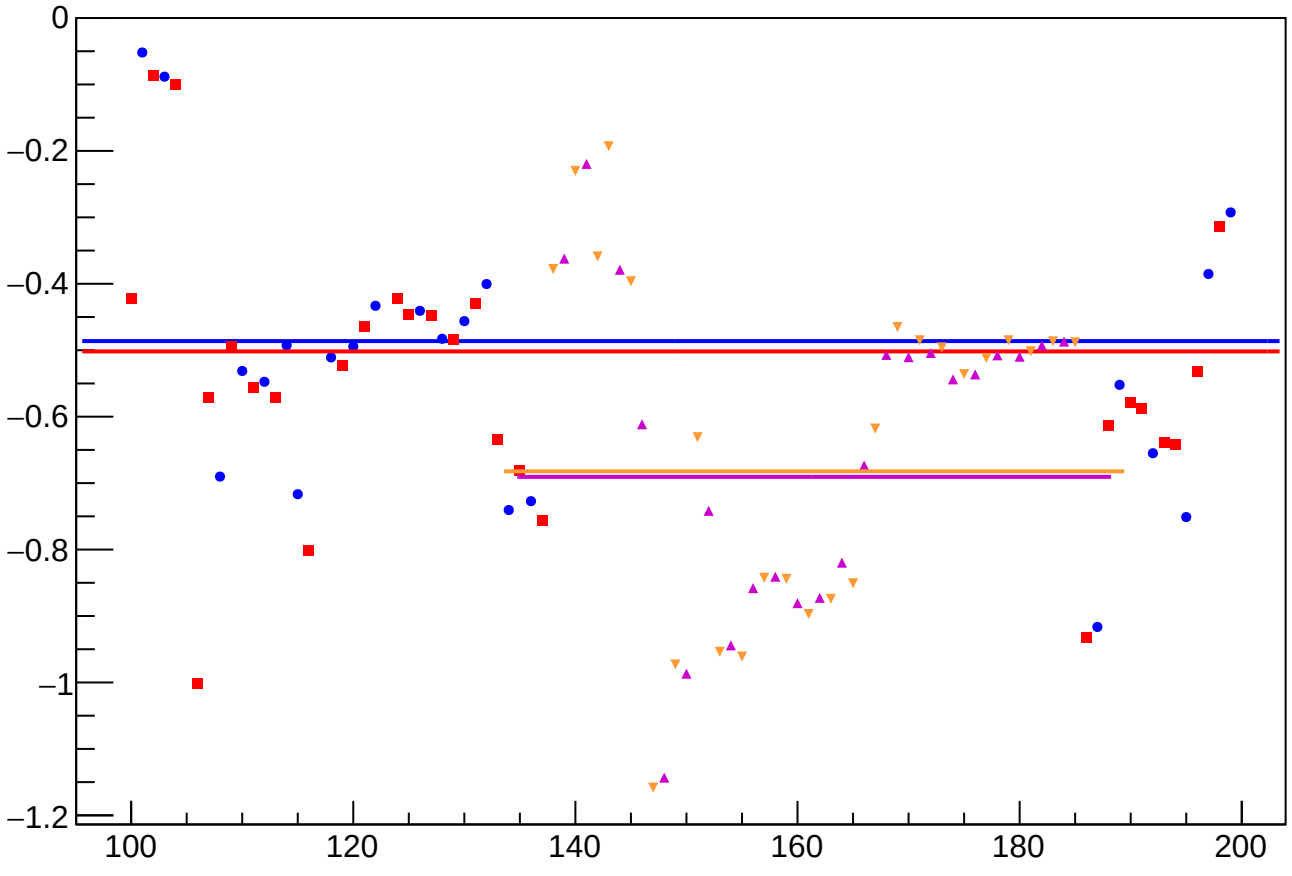
Right Out: 0.074+/-0.000 χ^2/NDF: 202873.0/26

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 429957.7/46

All: 0.073+/-0.000 χ^2/NDF: 836203.4/96

- sign 0.073+/-0.000 χ^2/NDF: 403220.0/49



Right In: -0.486+/-0.000 χ^2/NDF: 6606901146.9/21

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.502+/-0.000 χ^2/NDF: 5362479519.3/26

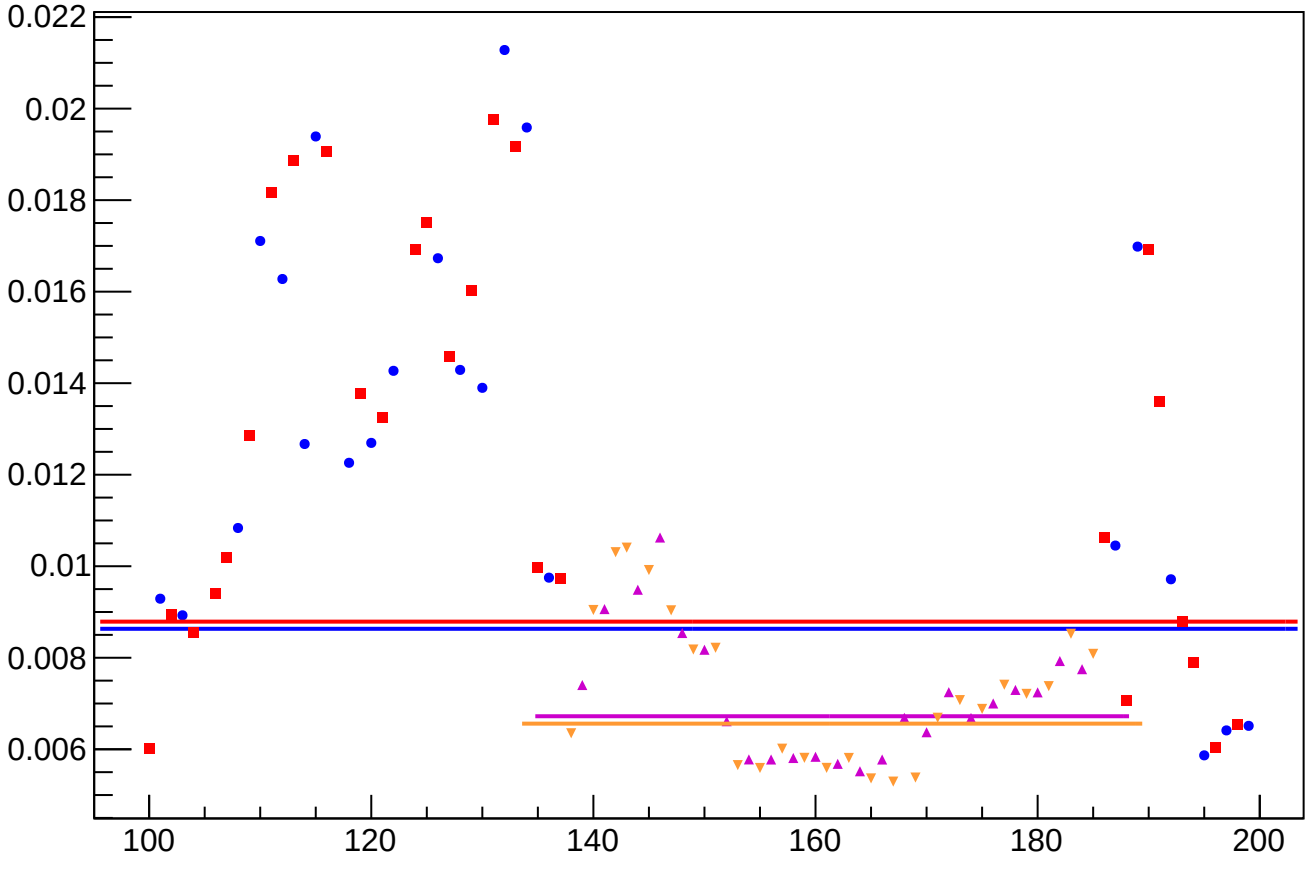
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.637+/-0.000 χ^2/NDF: 32079651402.5/46

All: -0.639+/-0.000 χ^2/NDF: 57749401944.8/

- 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: 2609975.2/21

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2704652.9/26

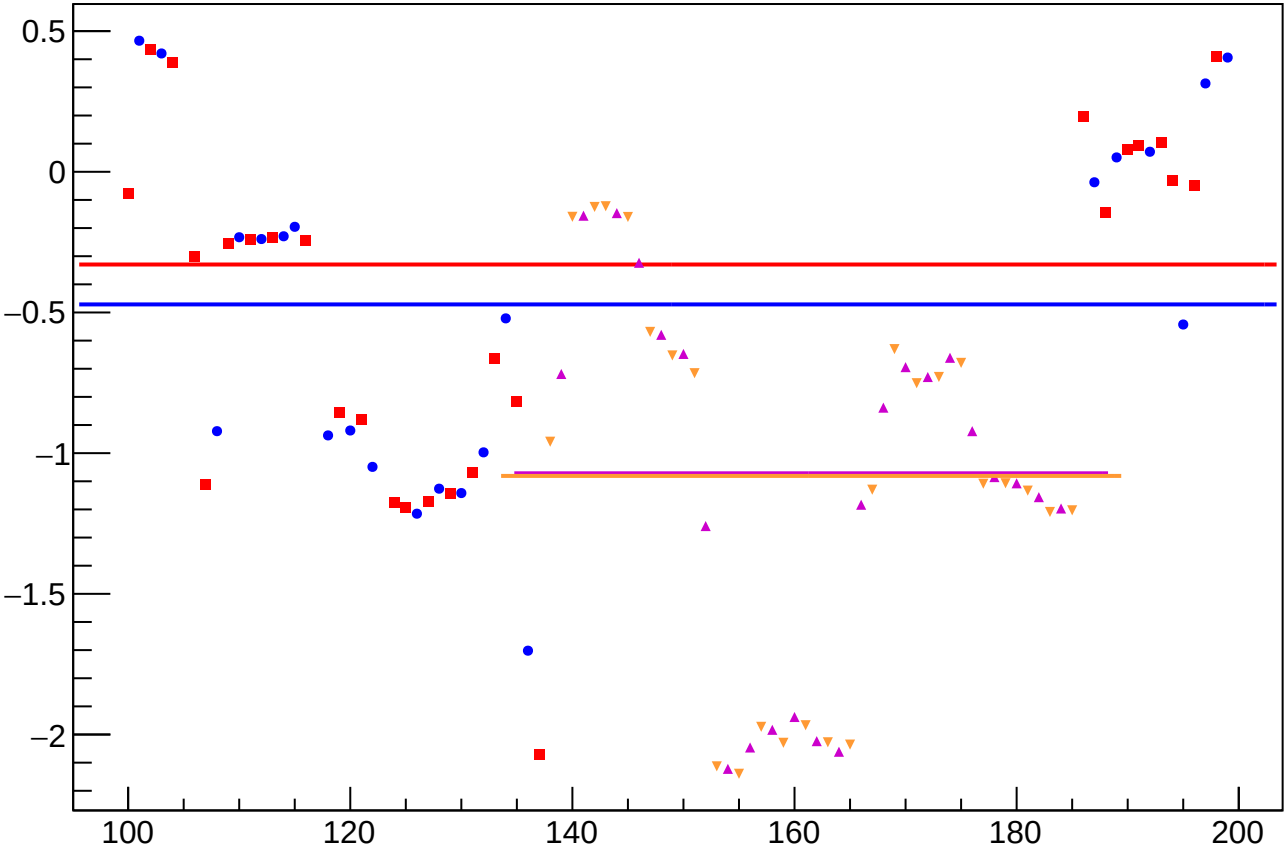
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4830668.8/46

All: 0.007+/-0.000 χ^2/NDF: 9343789.1/96

- sign 0.007+/-0.000 χ^2/NDF: 4488633.2/49

yield_bpm0r05X_mean vs Slug



Right In: -0.471+/-0.000 χ^2/NDF: 662472684.1/21

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

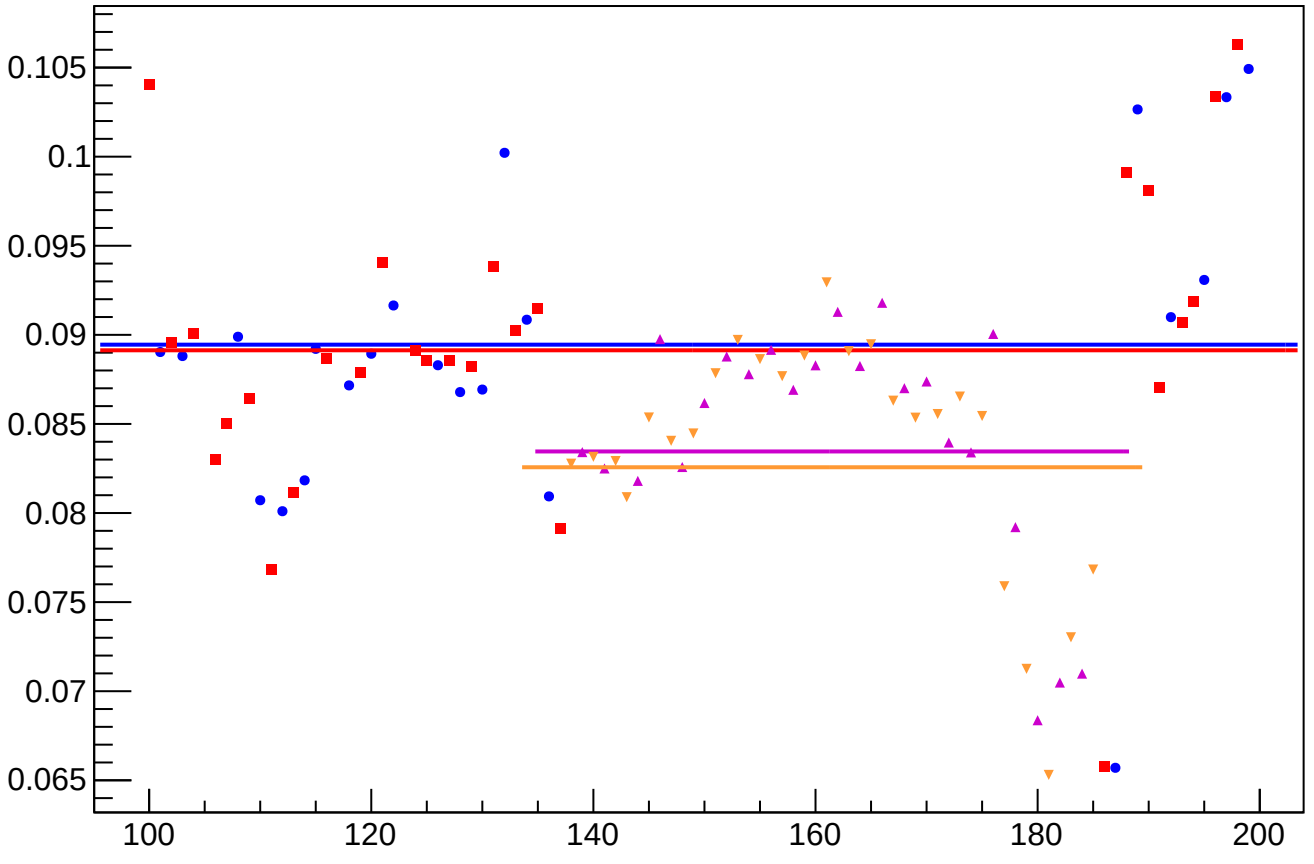
Right Out: -0.329+/-0.000 χ^2/NDF: 519939304.2/26

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.876+/-0.000 χ^2/NDF: 2165404393.0/46

All: -0.833+/-0.000 χ^2/NDF: 4219950355.6/9

- sign -0.790+/-0.000 χ^2/NDF: 2038965311.0/49



Right In: 0.089+/-0.000 χ^2/NDF: 195439.2/21

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.089+/-0.000 χ^2/NDF: 259456.0/26

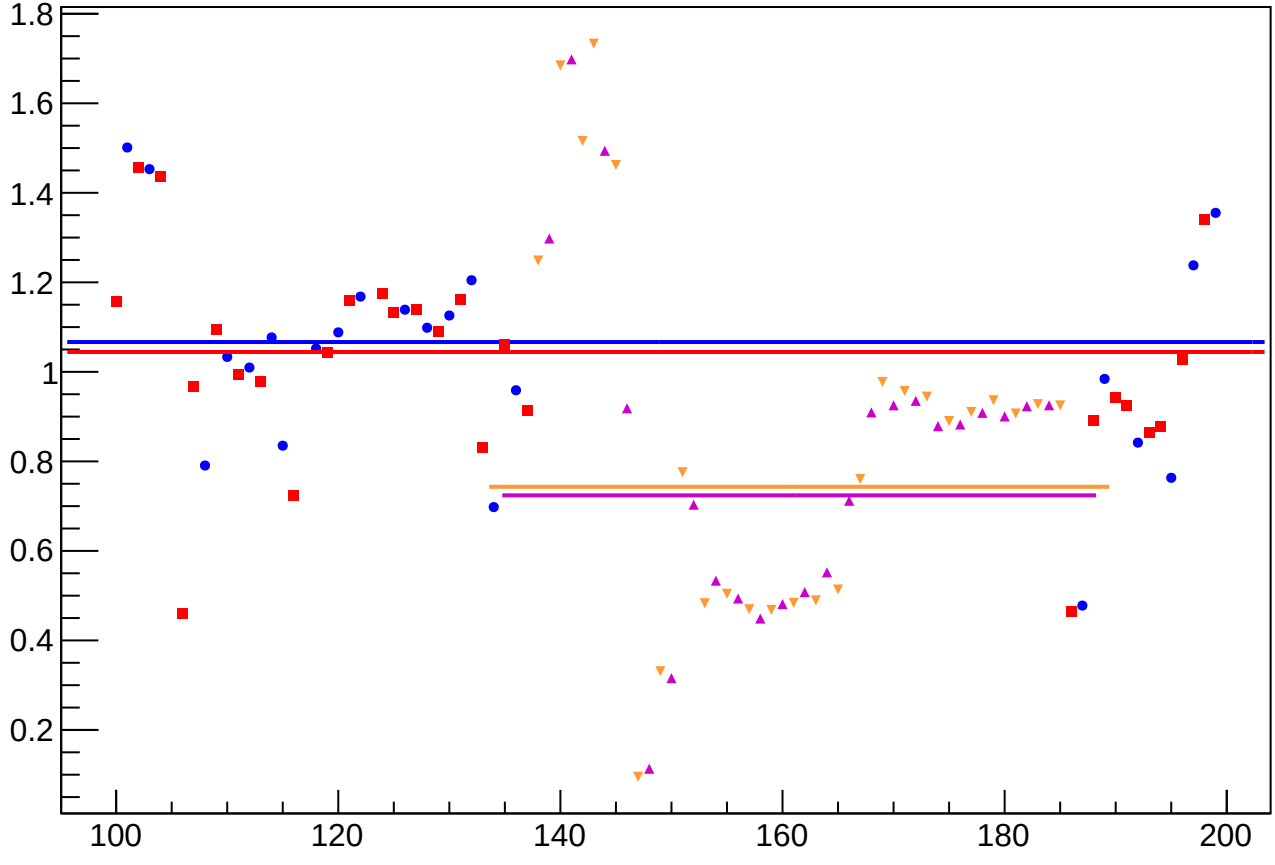
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.085+/-0.000 χ^2/NDF: 575925.5/46

All: 0.085+/-0.000 χ^2/NDF: 1139628.8/96

- sign 0.086+/-0.000 χ^2/NDF: 561472.8/49

yield_bpm0r05Y_mean vs Slug



Right In: 1.067+/-0.000 χ^2/NDF: 4184371224.2/21

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

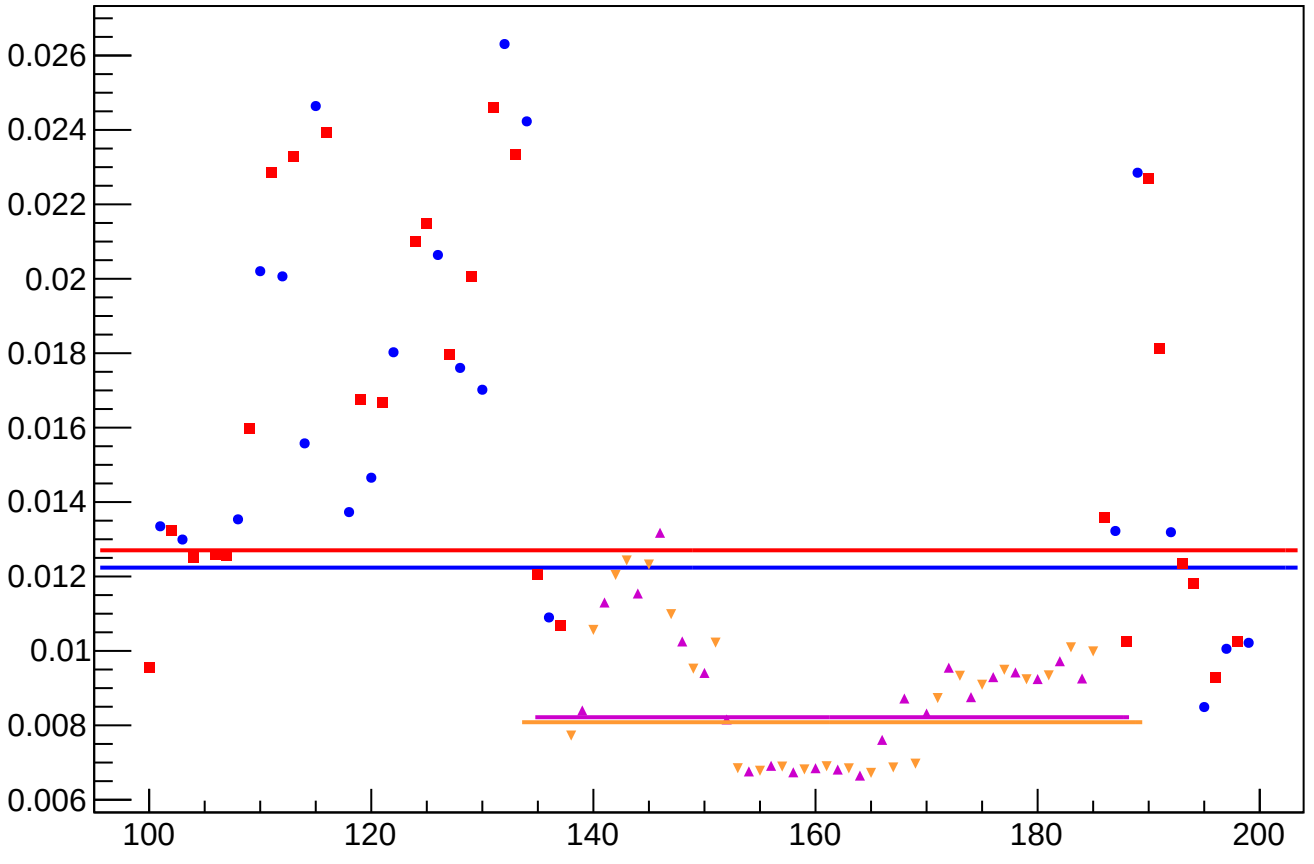
Right Out: 1.044+/-0.000 χ^2/NDF: 3583092924.9/26

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.805+/-0.000 χ^2/NDF: 42211904377.0/46

All: 0.798+/-0.000 χ^2/NDF: 76791551523.4/9

- sign 0.791+/-0.000 χ^2/NDF: 34546937726.9/49



Right In: 0.012+/-0.000 χ^2/NDF: 1715177.8/21

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1772675.0/26

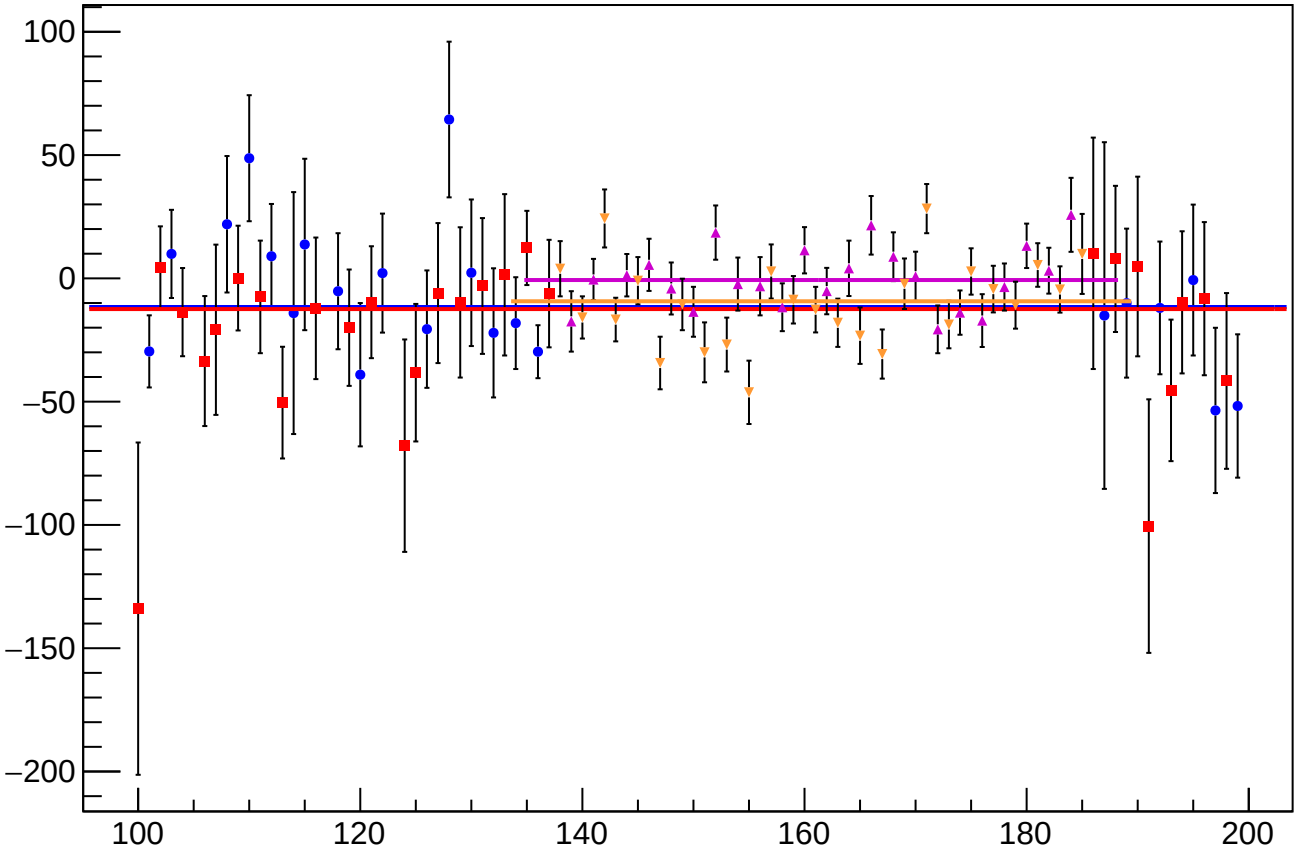
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4918268.2/46

All: 0.009+/-0.000 χ^2/NDF: 9925994.4/96

- sign 0.009+/-0.000 χ^2/NDF: 4983294.9/49

diff_bpm4aX_mean vs Slug



Right In: -11.615+/-4.906 χ^2/NDF: 25.7/21

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

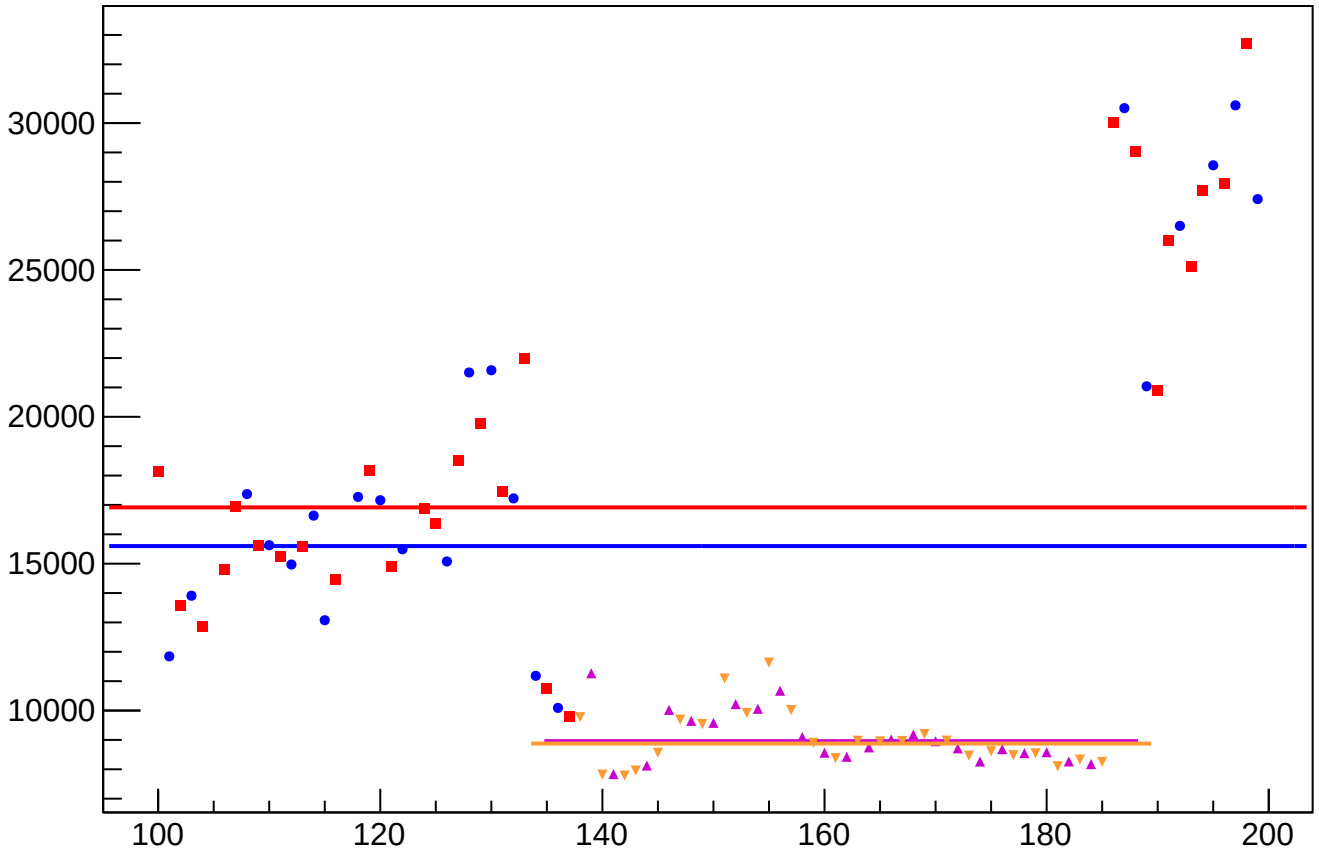
Right Out: -12.453+/-4.996 χ^2/NDF: 19.8/26

Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.631+/-1.876 χ^2/NDF: 87.0/46

All: -6.159+/-1.348 χ^2/NDF: 148.0/96

- sign -2.450+/-1.939 χ^2/NDF: 53.9/49



Right In: 15599.177+/-3.469 χ^2/NDF: 2558637.2/21

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 16916.887+/-3.533 χ^2/NDF: 2542378.9/26

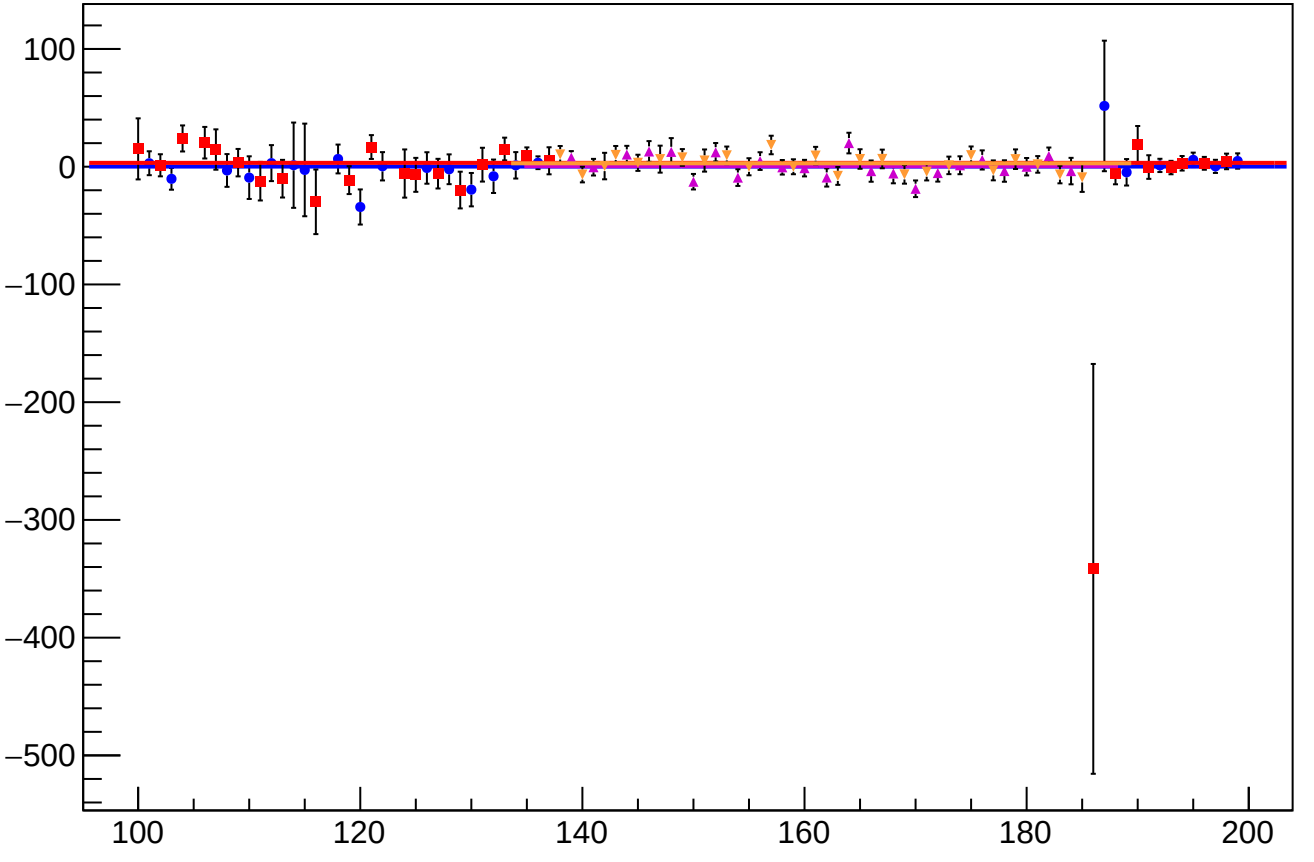
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9858.950+/-1.327 χ^2/NDF: 6112482.9/46

All: 10003.304+/-0.953 χ^2/NDF: 13290728.3

- sign 10157.515+/-1.371 χ^2/NDF: 7153759.1/49

diff_bpm4aY_mean vs Slug



Right In: 0.109+/-2.045 χ^2/NDF: 12.4/21

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: 3.268+/-1.950 χ^2/NDF: 24.3/26

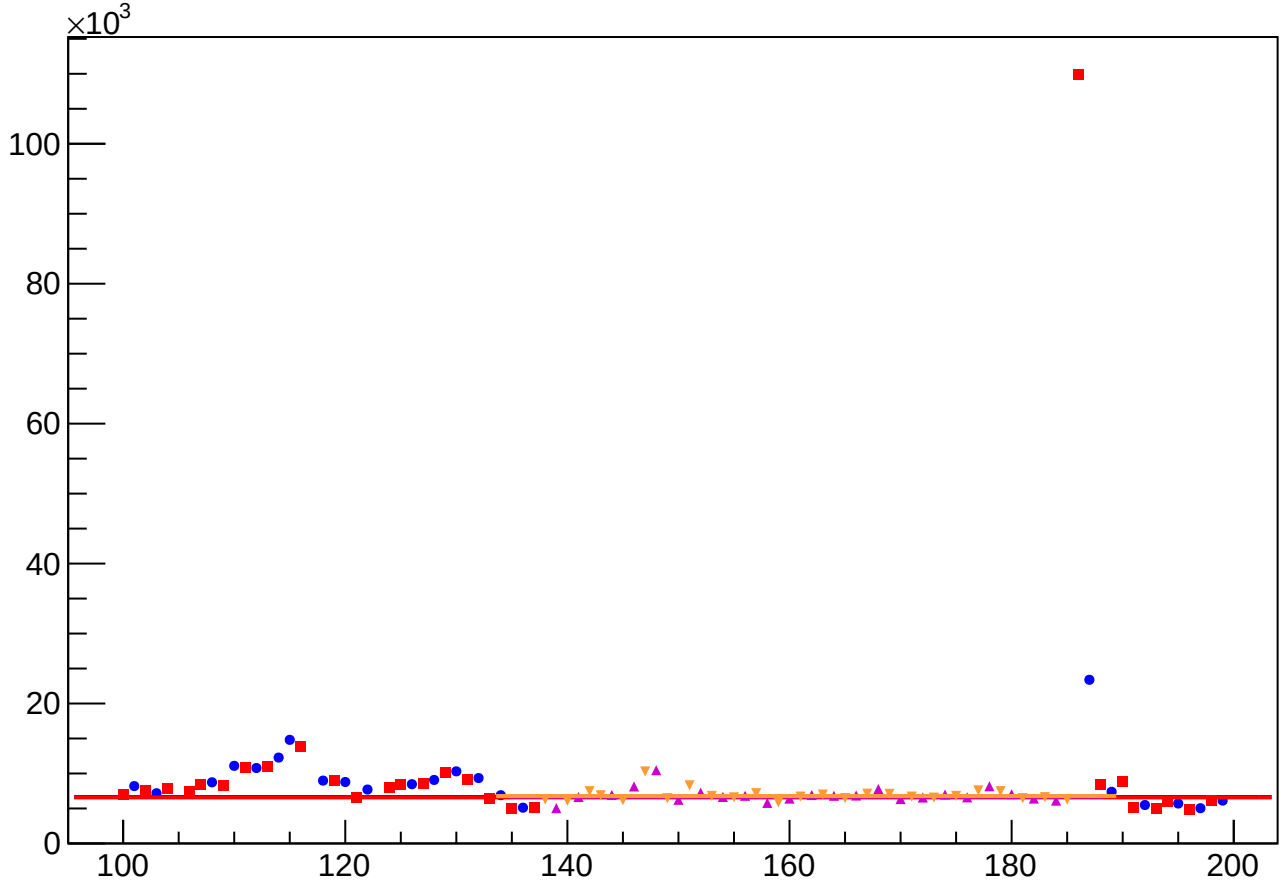
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.865+/-1.237 χ^2/NDF: 33.1/46

All: 1.717+/-0.872 χ^2/NDF: 91.5/96

- sign 1.571+/-1.228 χ^2/NDF: 58.3/49

diff_bpm4aY_rms vs Slug



Right In: 6640.354+/-1.446 χ^2/NDF: 1606856.1/21

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

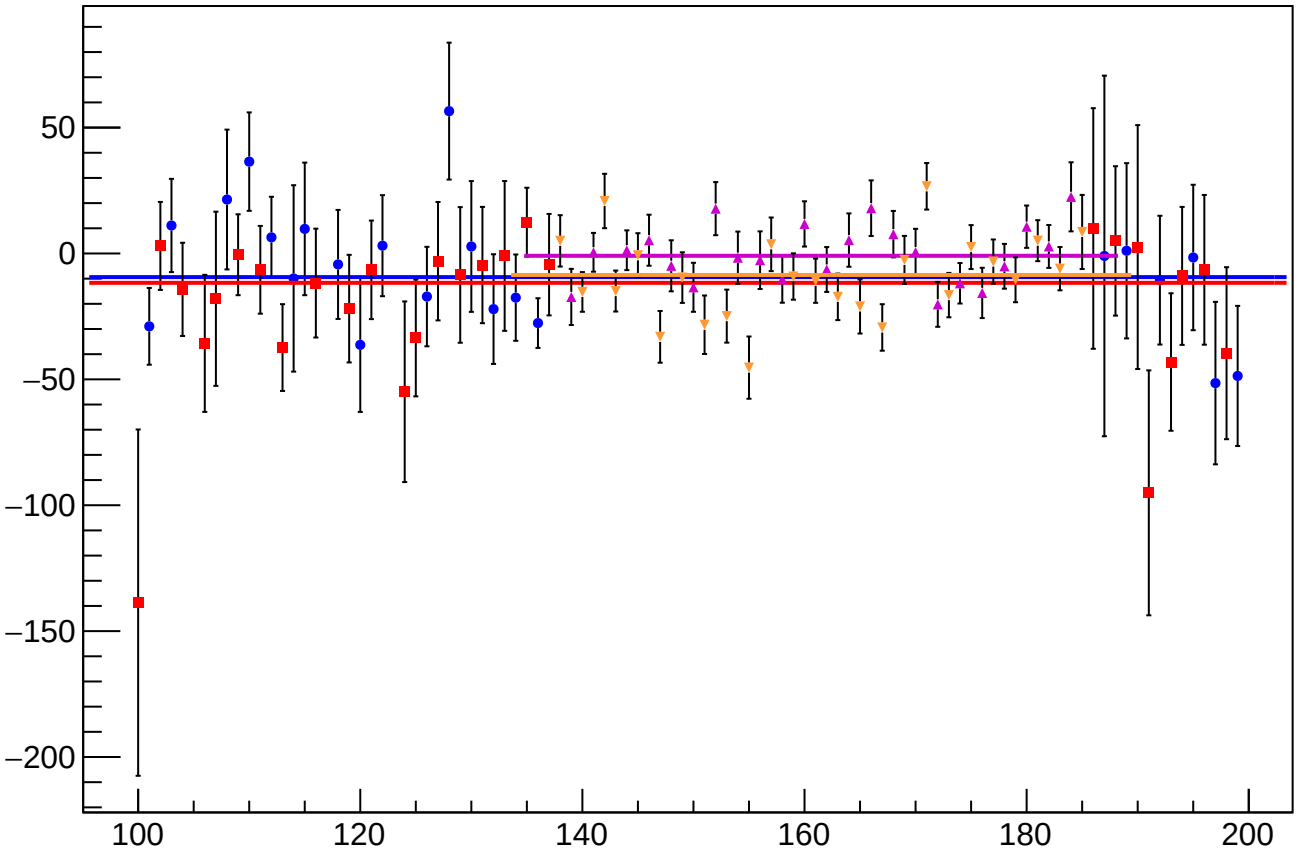
Right Out: 6578.115+/-1.379 χ^2/NDF: 2292439.5/26

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6726.823+/-0.875 χ^2/NDF: 2012662.6/46

All: 6685.796+/-0.616 χ^2/NDF: 4933685.7/96

- sign 6645.349+/-0.869 χ^2/NDF: 2916655.3/49



Right In: -9.393+/-4.456 χ^2/NDF: 26.7/21

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -11.654+/-4.482 χ^2/NDF: 19.6/26

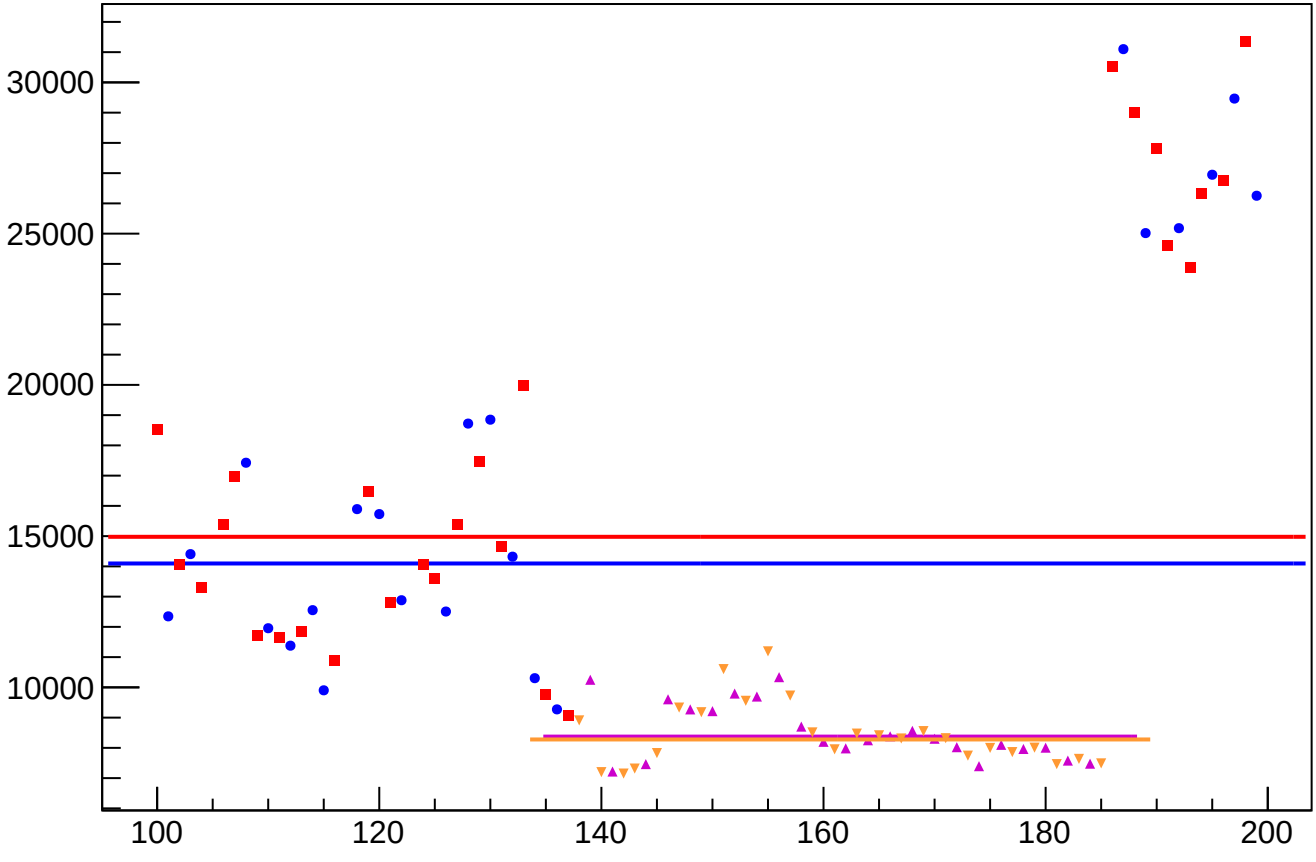
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.668+/-1.745 χ^2/NDF: 88.6/46

All: -5.759+/-1.254 χ^2/NDF: 147.8/96

- sign -2.656+/-1.803 χ^2/NDF: 53.5/49

diff_bpm4eX_rms vs Slug



Right In: 14095.707+/-3.151 χ^2/NDF: 2849535.4/21

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

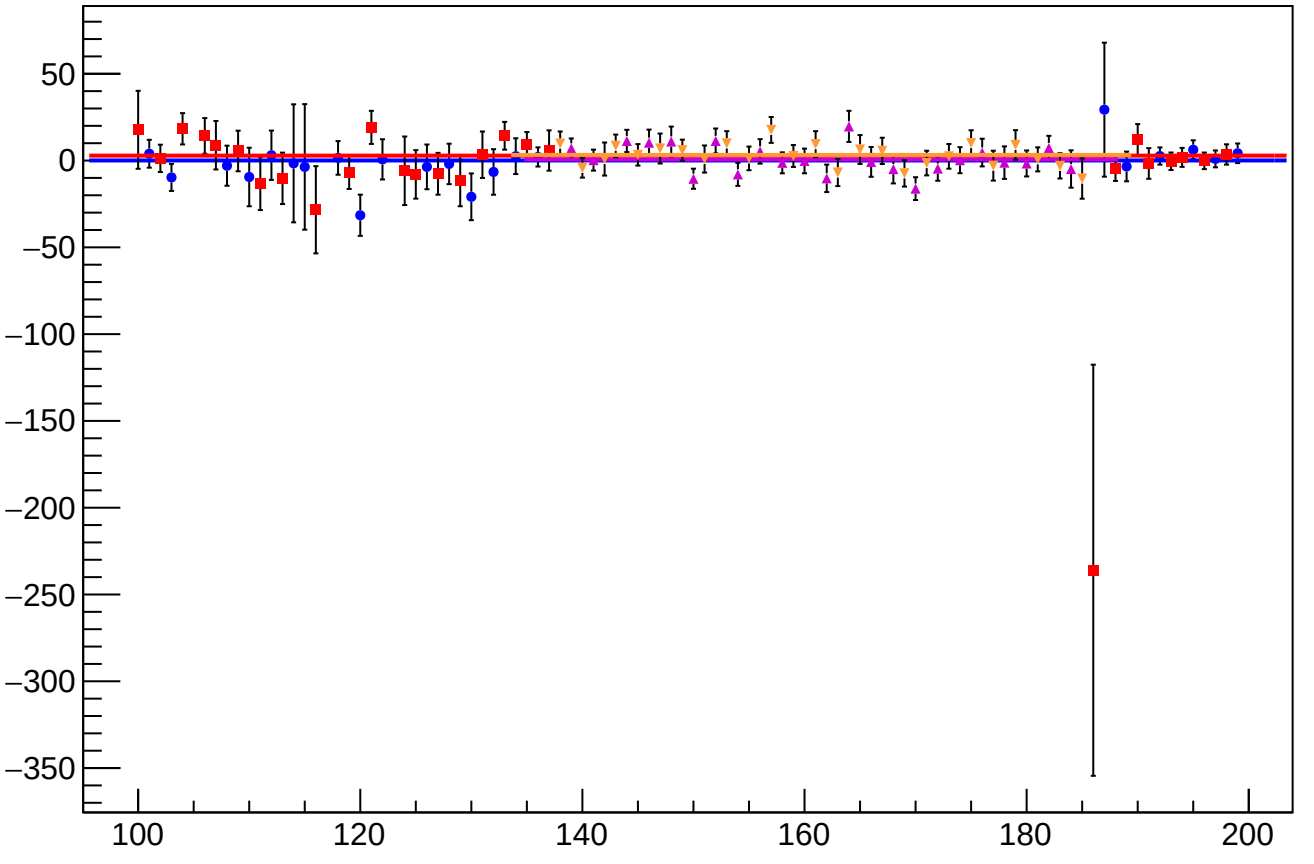
Right Out: 14977.634+/-3.169 χ^2/NDF: 3113128.0/26

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9170.012+/-1.234 χ^2/NDF: 6190704.9/46

All: 9301.012+/-0.887 χ^2/NDF: 13360928.1/9

- sign 9440.783+/-1.275 χ^2/NDF: 7146930.2/49



Right In: 0.051+/-1.814 χ^2/NDF: 15.2/21

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 2.841+/-1.708 χ^2/NDF: 25.0/26

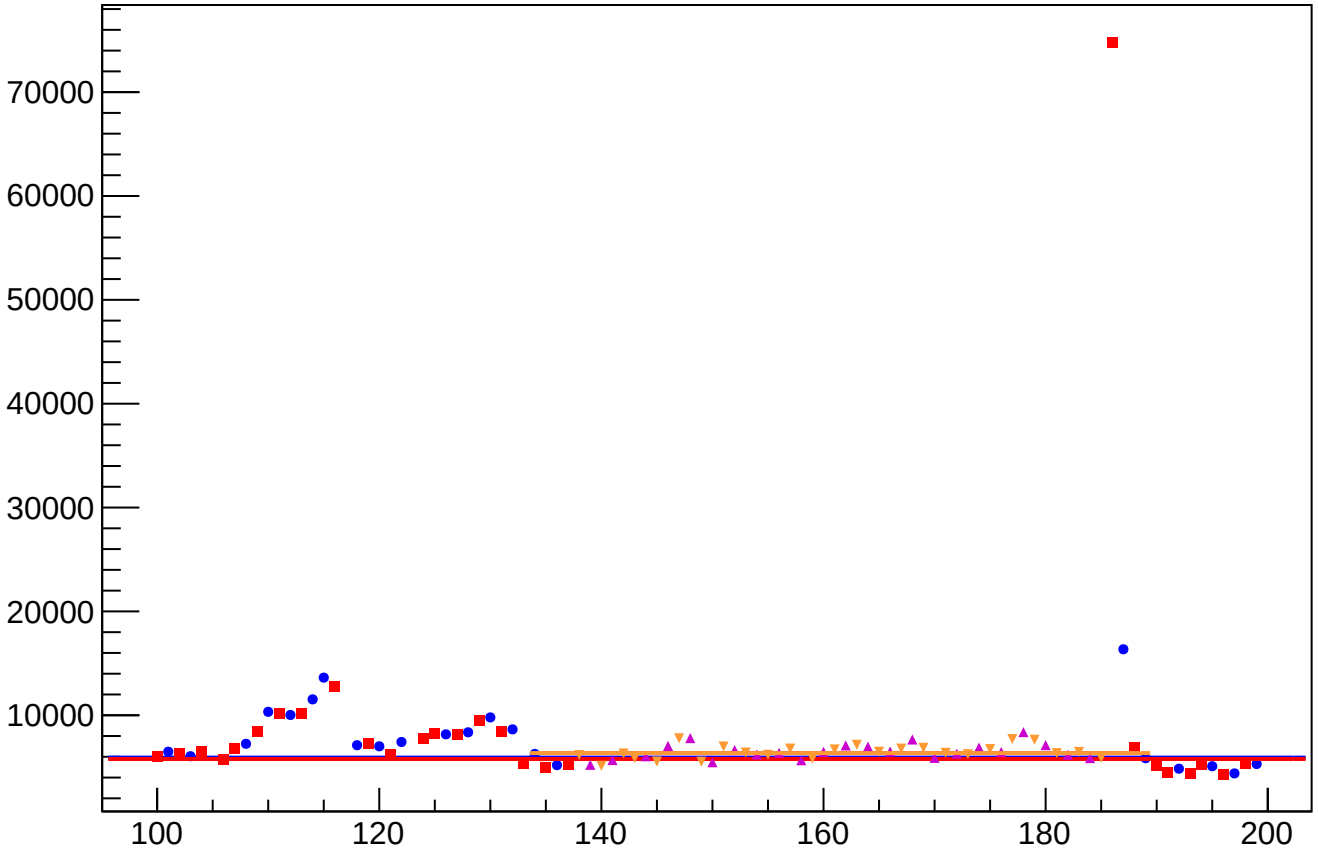
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.999+/-1.136 χ^2/NDF: 34.7/46

All: 1.798+/-0.800 χ^2/NDF: 91.4/96

- sign 1.601+/-1.127 χ^2/NDF: 56.6/49

diff_bpm4eY_rms vs Slug



Right In: 5918.434+/-1.283 χ^2/NDF: 1507208.1/21

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5789.569+/-1.207 χ^2/NDF: 2258132.9/26

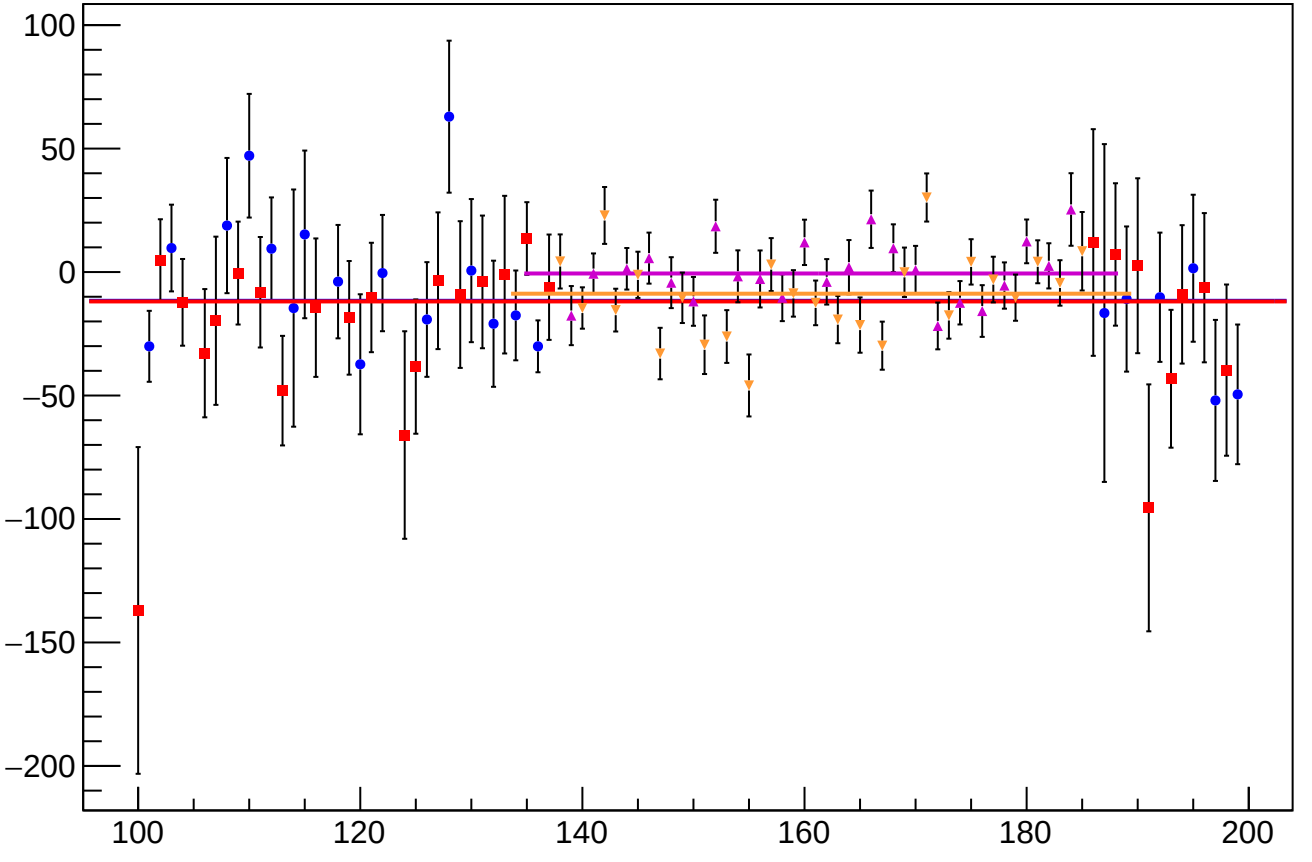
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6185.403+/-0.803 χ^2/NDF: 1992562.5/46

All: 6148.205+/-0.566 χ^2/NDF: 4854820.2/96

- sign 6111.627+/-0.797 χ^2/NDF: 2858005.4/49

diff_bpm4acX_mean vs Slug



Right In: -11.648+/-4.798 χ^2/NDF: 25.7/21

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -11.899+/-4.885 χ^2/NDF: 20.0/26

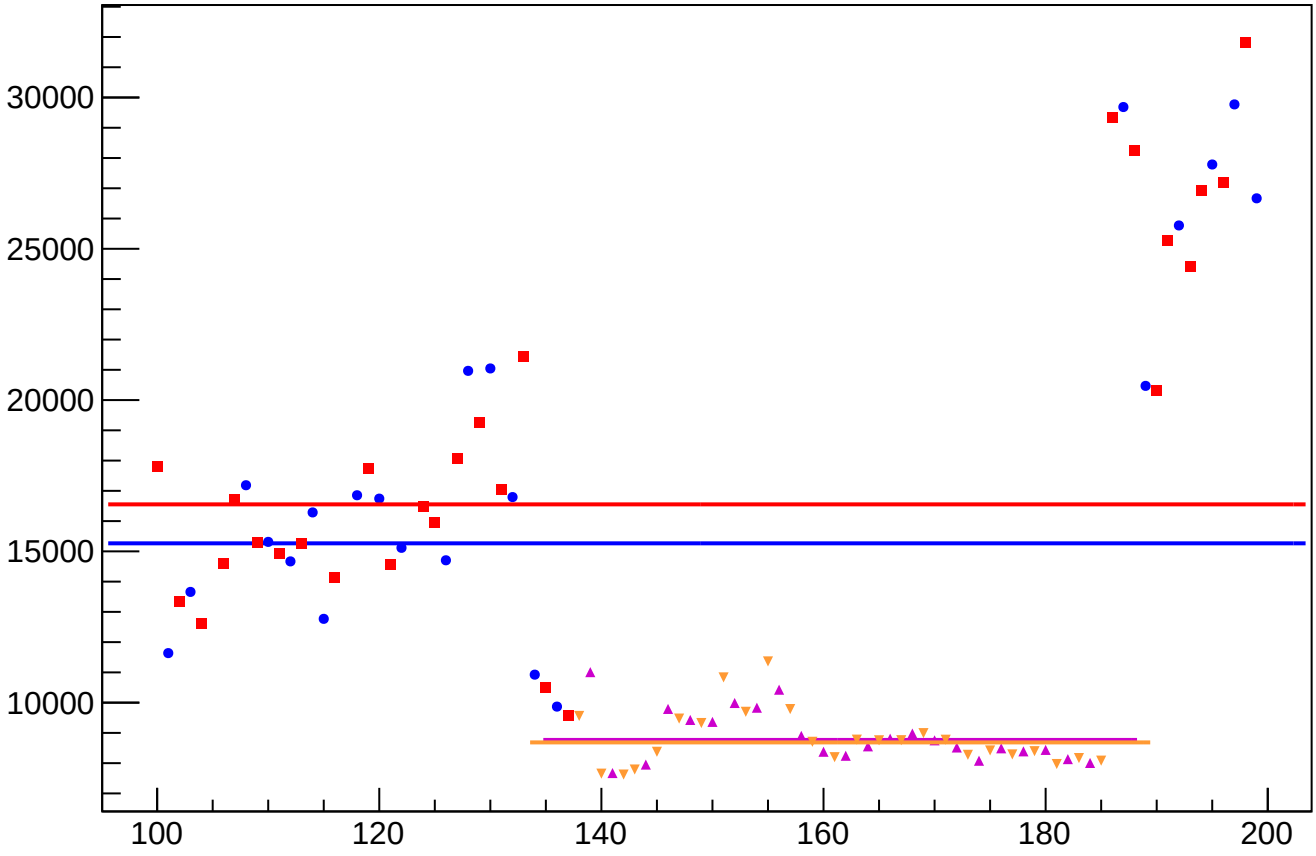
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.188+/-1.836 χ^2/NDF: 88.7/46

All: -5.852+/-1.319 χ^2/NDF: 149.7/96

- sign -2.287+/-1.897 χ^2/NDF: 54.1/49

diff_bpm4acX_rms vs Slug



Right In: 15265.328+/-3.392 χ^2/NDF: 2529485.5/21

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 16553.226+/-3.454 χ^2/NDF: 2507921.1/26

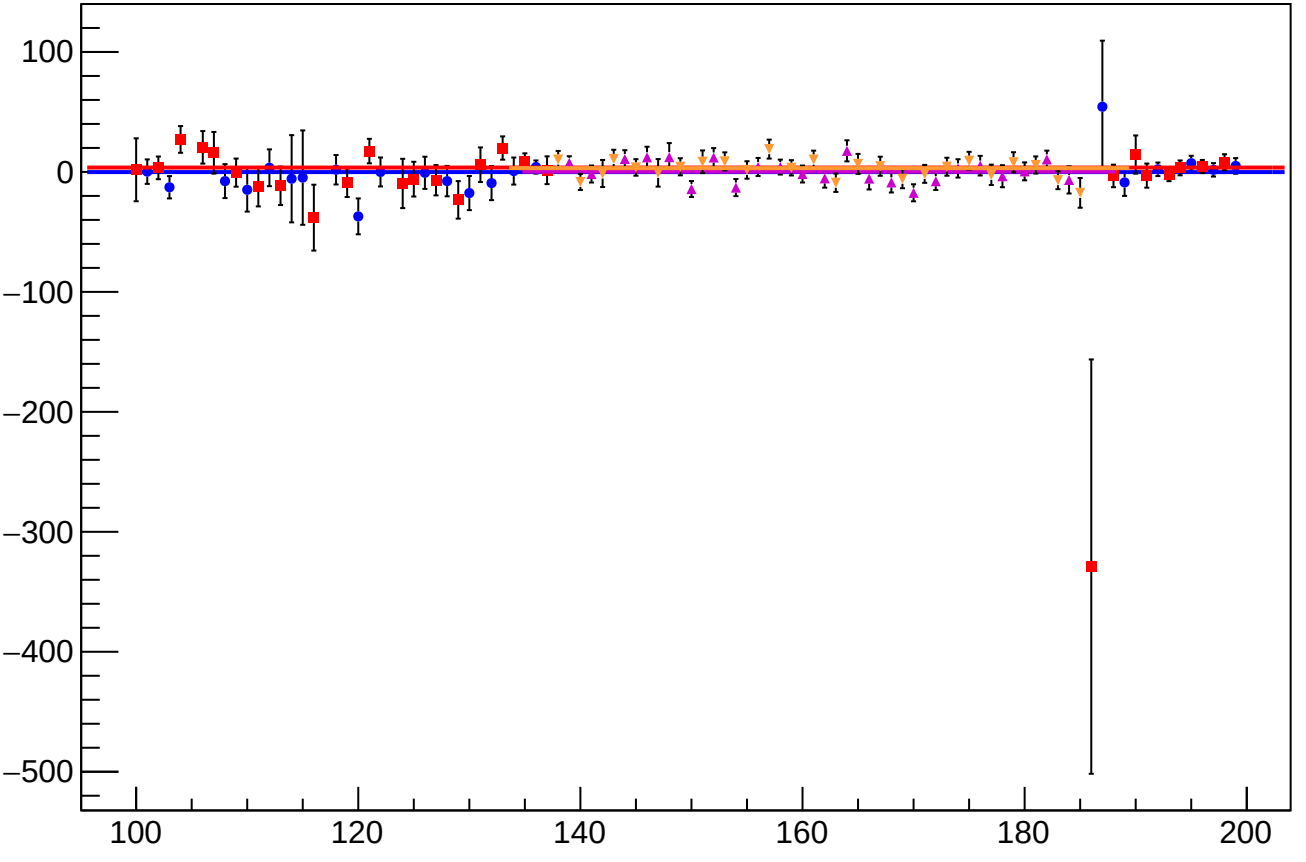
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9649.369+/-1.298 χ^2/NDF: 6080796.4/46

All: 9790.943+/-0.933 χ^2/NDF: 13222130.4/9

- sign 9942.193+/-1.342 χ^2/NDF: 7116730.9/49

diff_bpm4acY_mean vs Slug



Right In: -0.138+/-2.053 χ^2/NDF: 15.8/21

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 3.645+/-1.959 χ^2/NDF: 28.2/26

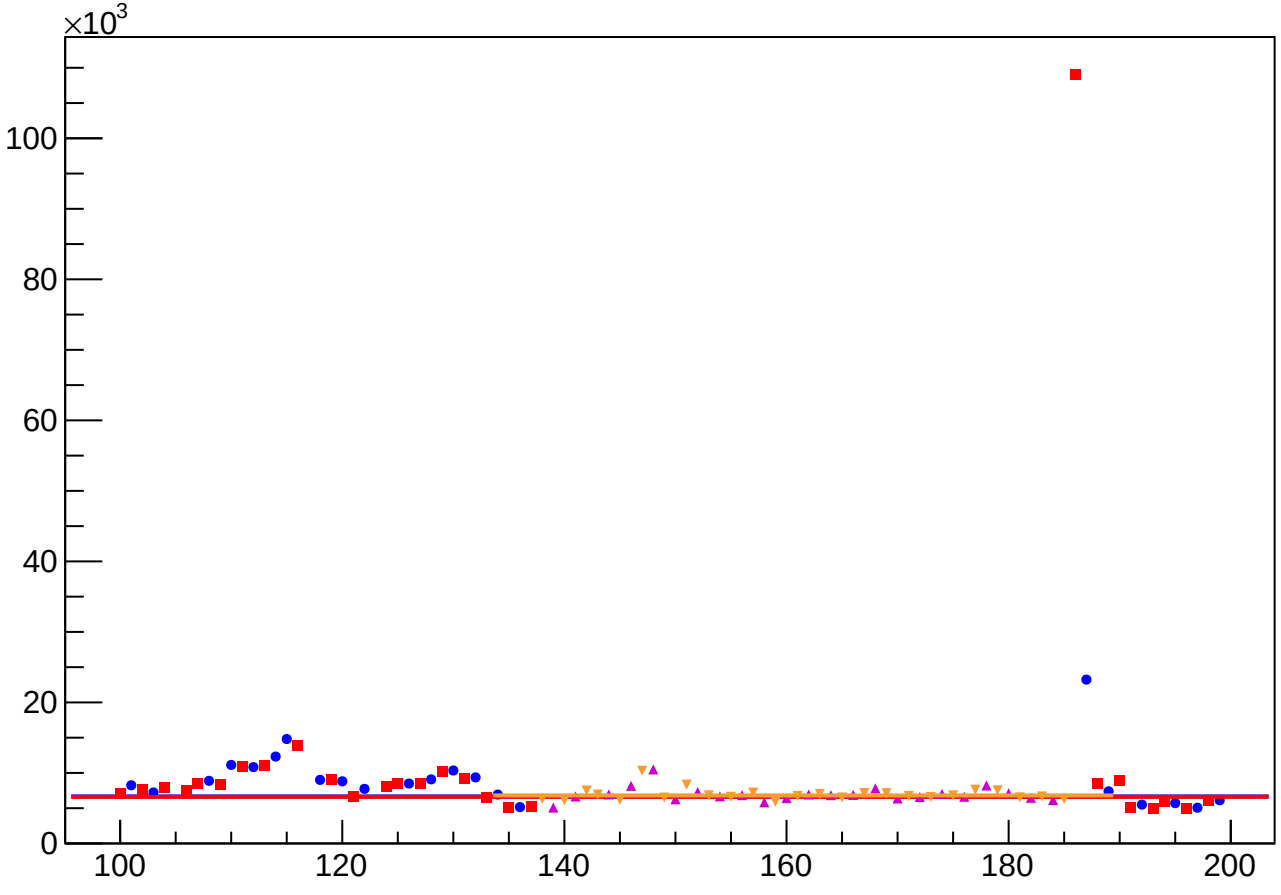
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.958+/-1.243 χ^2/NDF: 39.1/46

All: 1.783+/-0.876 χ^2/NDF: 103.4/96

- sign 1.609+/-1.235 χ^2/NDF: 64.2/49

diff_bpm4acY_rms vs Slug



Right In: 6668.973+/-1.452 χ^2/NDF: 1603719.0/21

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6610.789+/-1.386 χ^2/NDF: 2286063.4/26

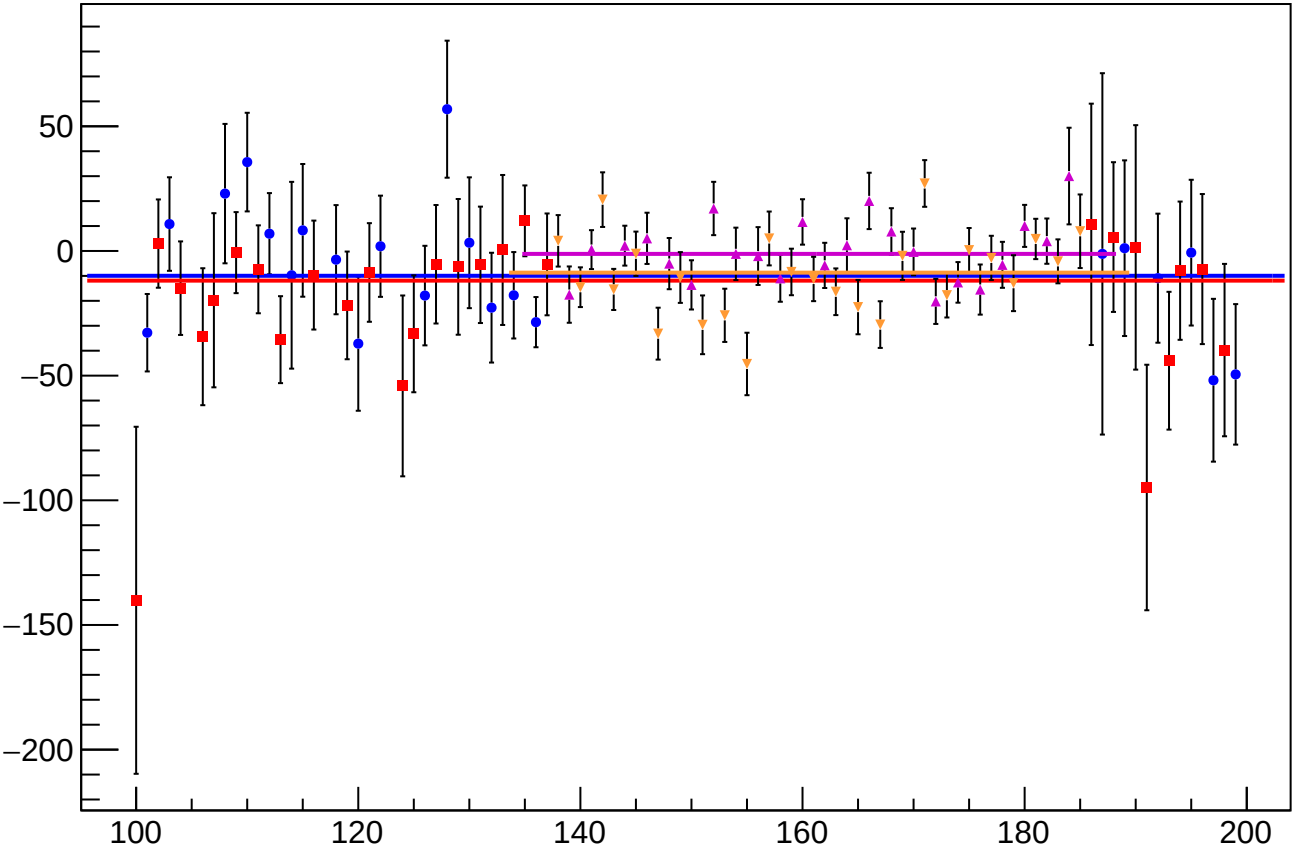
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6760.191+/-0.879 χ^2/NDF: 2004570.1/46

All: 6720.518+/-0.619 χ^2/NDF: 4909022.4/96

- sign 6681.376+/-0.873 χ^2/NDF: 2900405.3/49

diff_bpm4ecX_mean vs Slug



Right In: -9.953+/-4.517 χ^2/NDF: 27.2/21

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -11.894+/-4.546 χ^2/NDF: 18.5/26

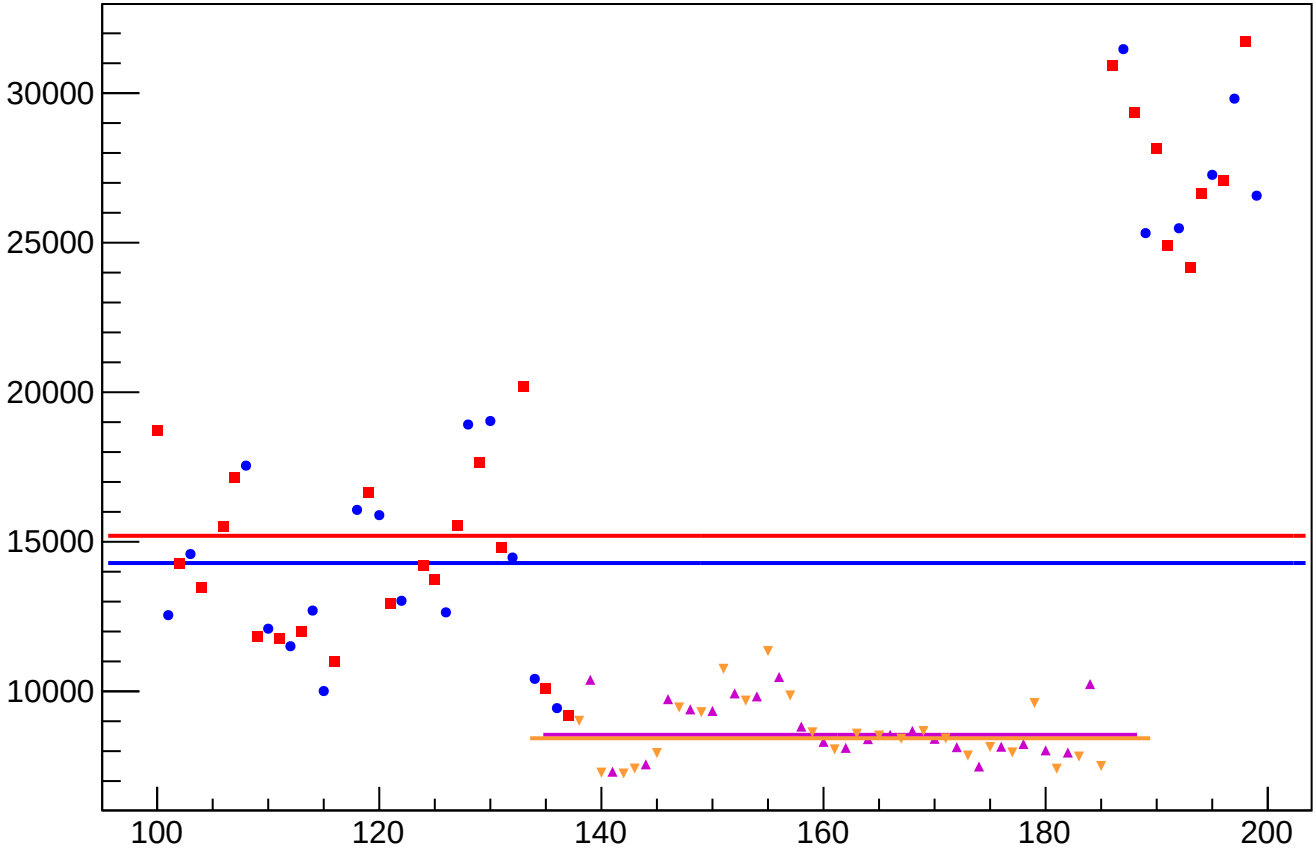
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.888+/-1.780 χ^2/NDF: 88.7/46

All: -6.009+/-1.279 χ^2/NDF: 145.8/96

- sign -2.930+/-1.840 χ^2/NDF: 51.7/49

diff_bpm4ecX_rms vs Slug



Right In: 14289.656+/-3.194 χ^2/NDF: 2828821.1/21

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15199.880+/-3.215 χ^2/NDF: 3077806.8/26

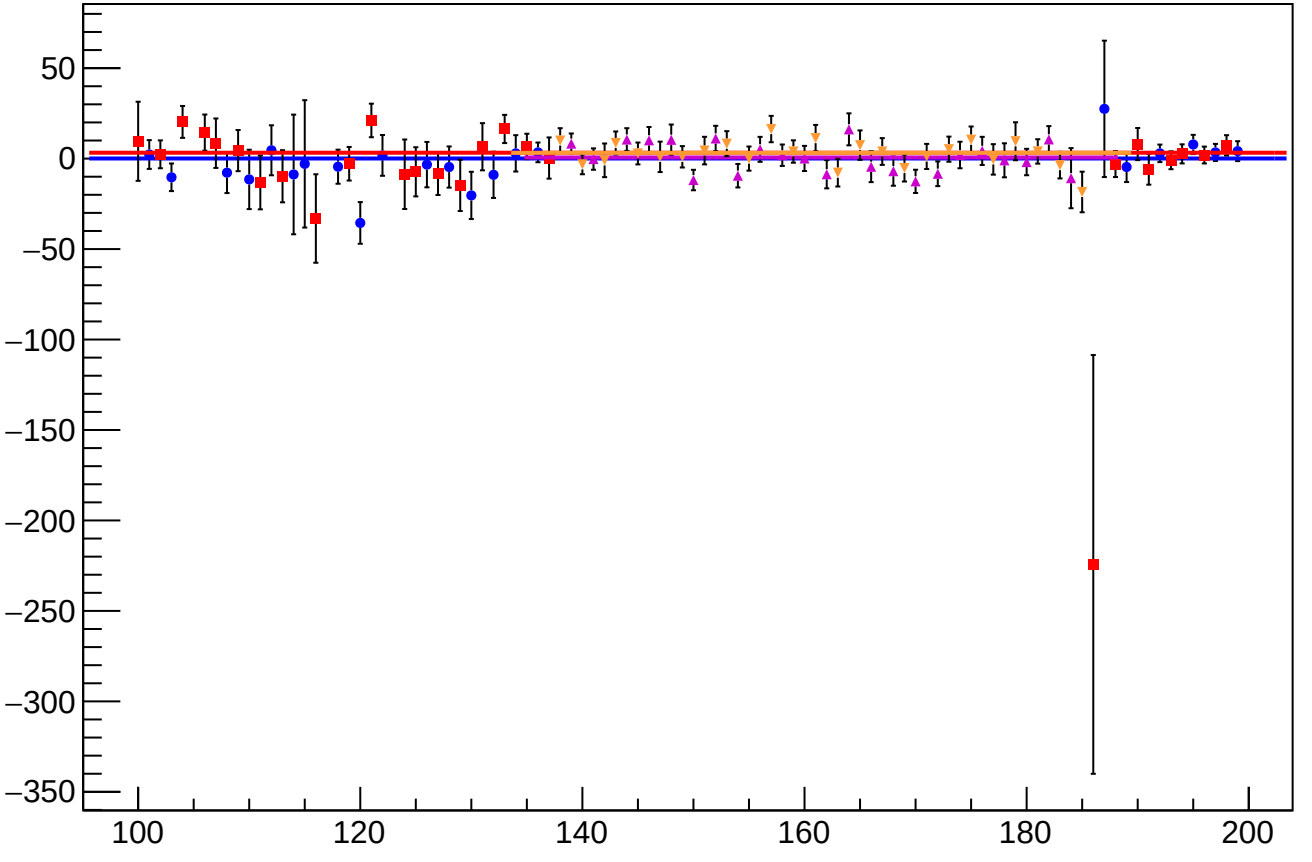
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9340.086+/-1.258 χ^2/NDF: 6156154.5/46

All: 9482.946+/-0.905 χ^2/NDF: 13233088.8/9

- sign 9635.701+/-1.301 χ^2/NDF: 7050263.3/49

diff_bpm4ecY_mean vs Slug



Right In: 0.070+/-1.770 χ^2/NDF: 20.9/21

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 3.255+/-1.666 χ^2/NDF: 27.8/26

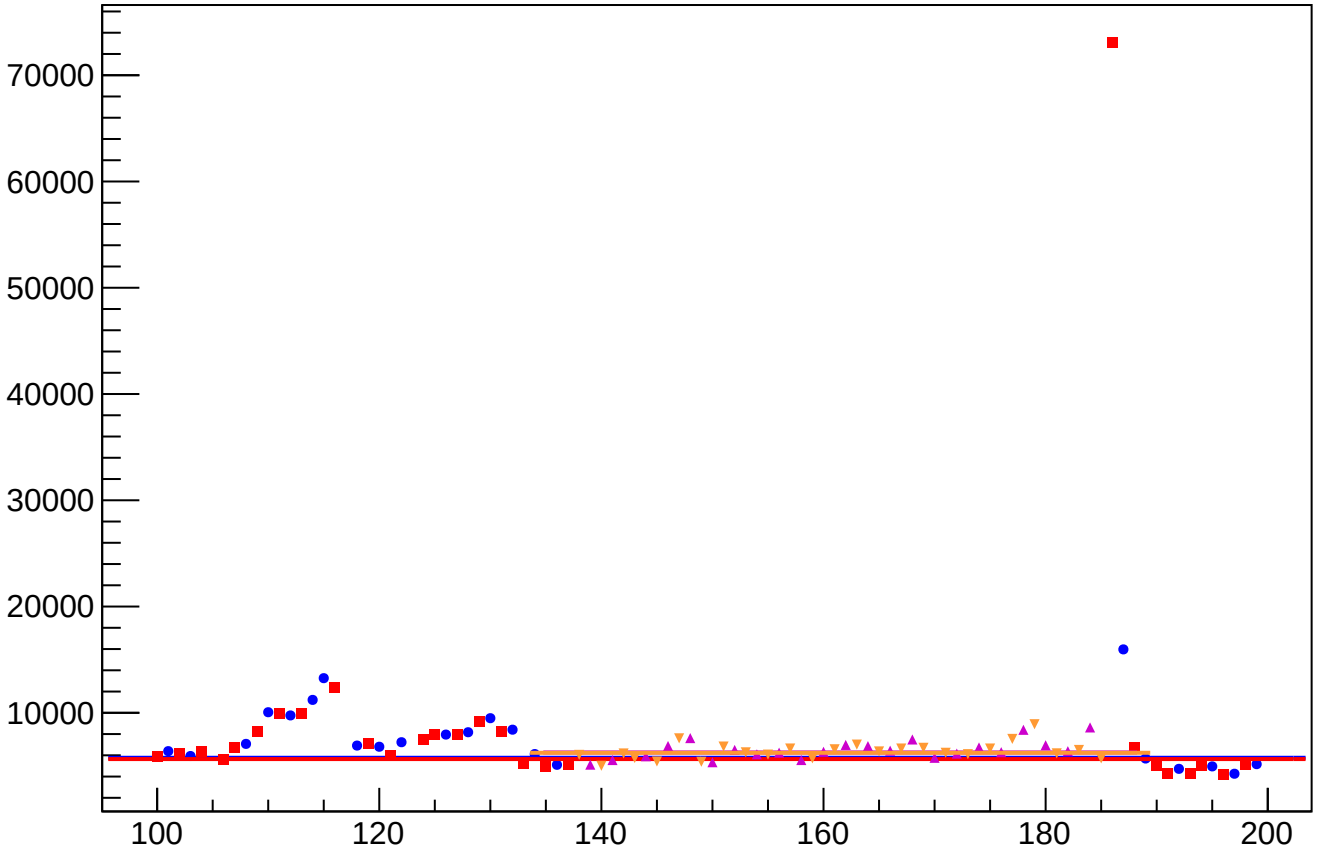
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.949+/-1.114 χ^2/NDF: 41.5/46

All: 1.870+/-0.785 χ^2/NDF: 102.5/96

- sign 1.791+/-1.107 χ^2/NDF: 61.0/49

diff_bpm4ecY_rms vs Slug



Right In: 5768.559+/-1.251 χ^2/NDF: 1510800.3/21

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5646.005+/-1.178 χ^2/NDF: 2240409.4/26

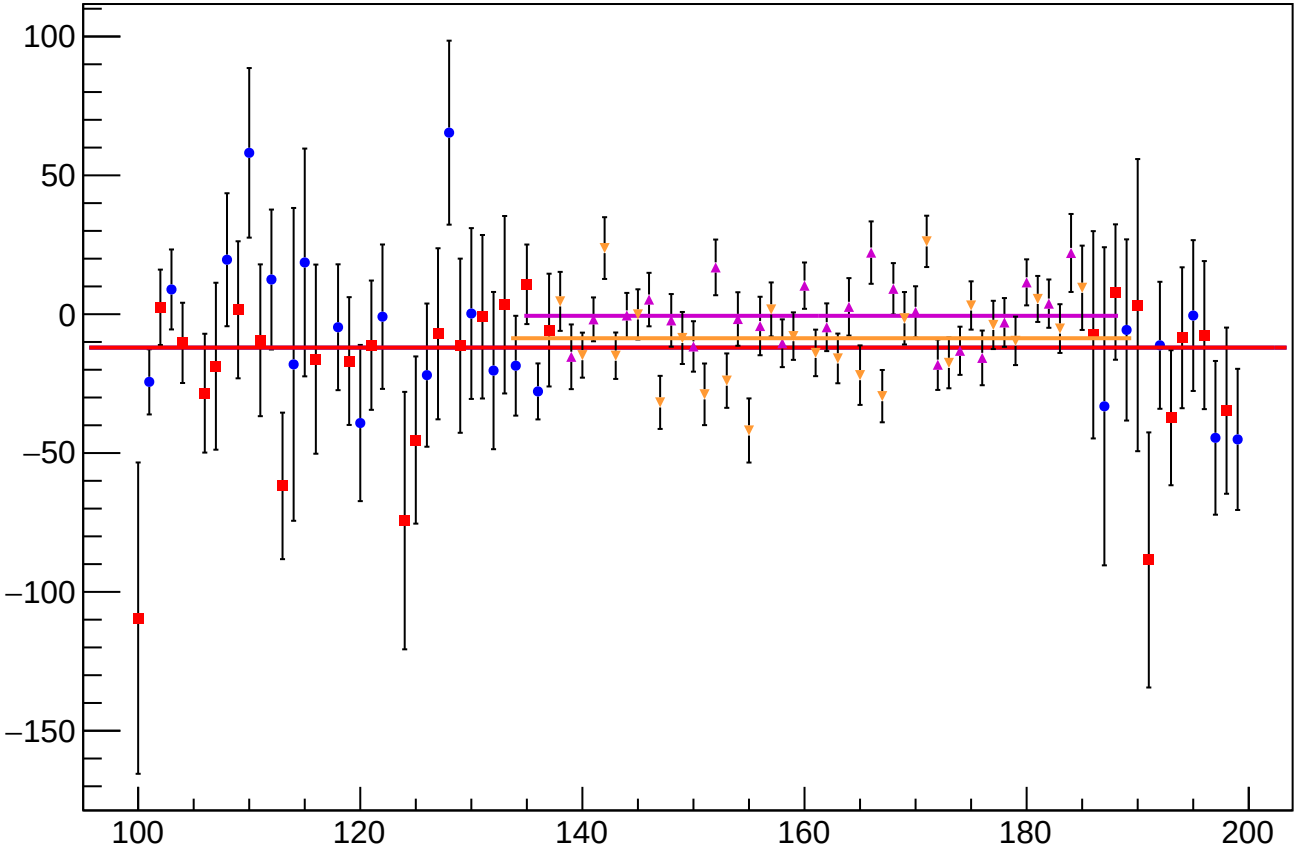
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6051.763+/-0.788 χ^2/NDF: 2103420.5/46

All: 6022.389+/-0.555 χ^2/NDF: 5026717.9/96

- sign 5993.402+/-0.783 χ^2/NDF: 2920537.1/49

diff_bpm1X_mean vs Slug



Right In: -12.043+/-4.608 χ^2/NDF: 24.8/21

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

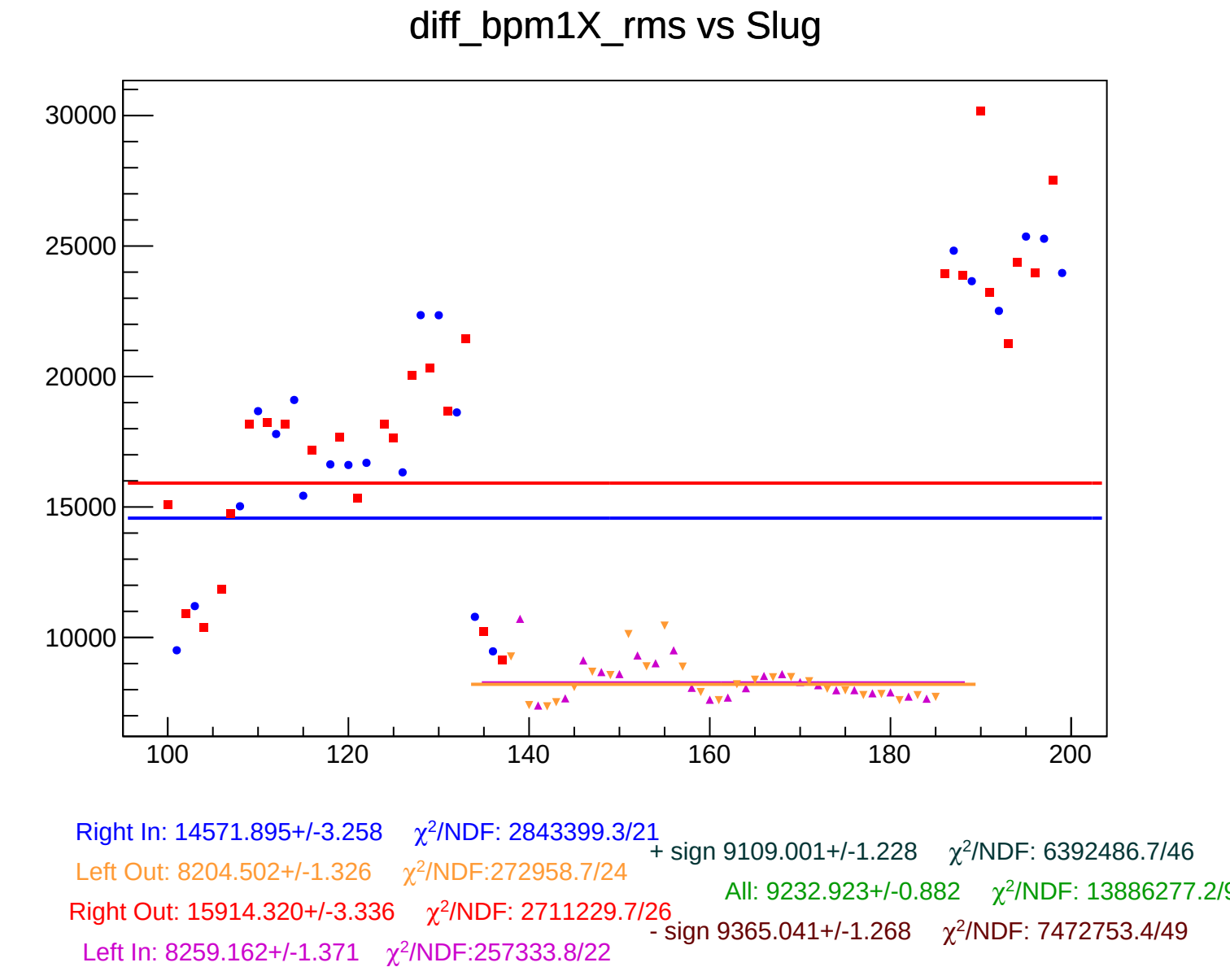
Right Out: -12.018+/-4.718 χ^2/NDF: 20.1/26

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

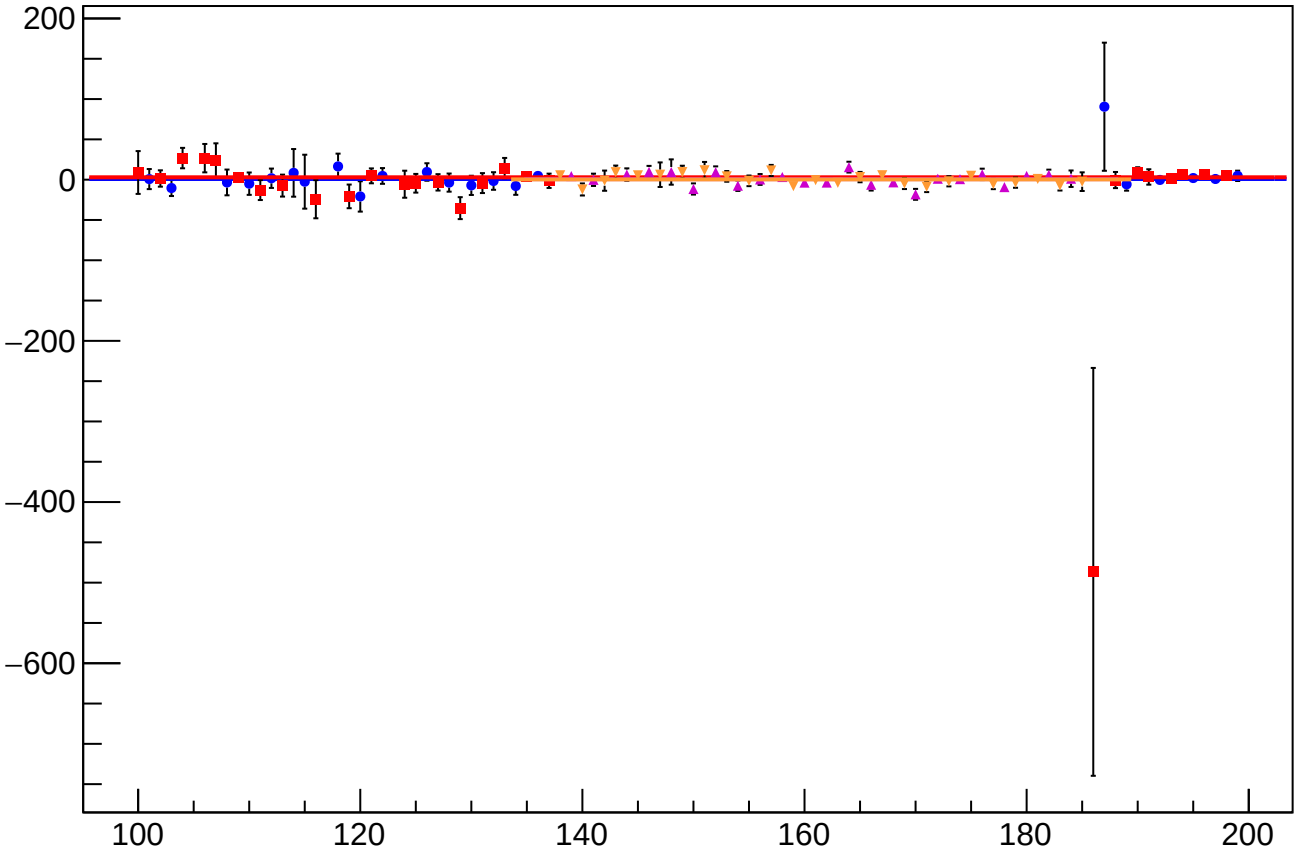
+ sign -9.132+/-1.737 χ^2/NDF: 88.3/46

All: -5.794+/-1.248 χ^2/NDF: 149.6/96

- 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: 14571.895+/-3.258 χ²/NDF: 2843399.3/21
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 9109.001+/-1.228 χ²/NDF: 6392486.7/46
All: 9232.923+/-0.882 χ²/NDF: 13886277.2/9
- sign 9365.041+/-1.268 χ²/NDF: 7472753.4/49

diff_bpm1Y_mean vs Slug



Right In: 0.869+/-1.857 χ^2/NDF: 9.3/21

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 2.932+/-1.678 χ^2/NDF: 28.6/26

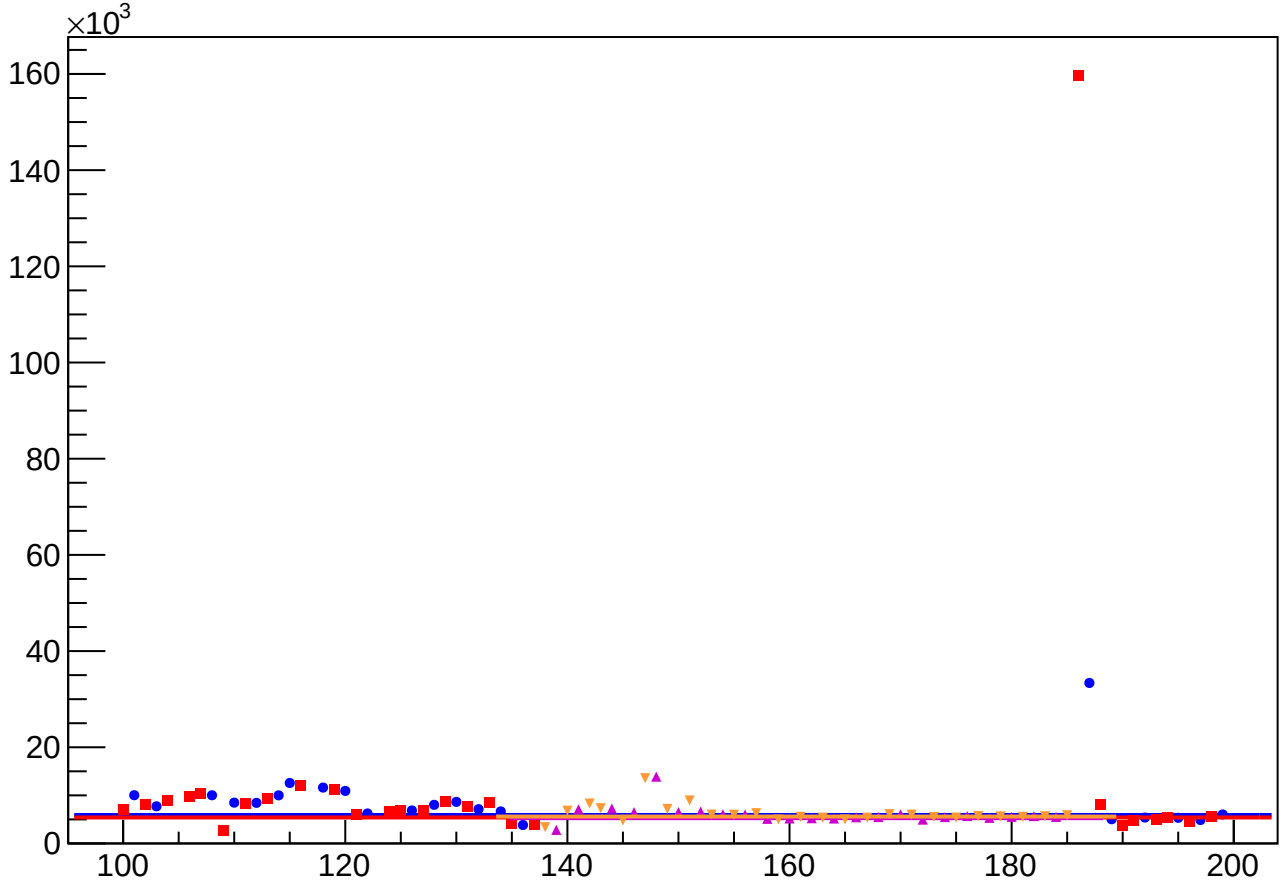
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.526+/-1.077 χ^2/NDF: 30.8/46

All: 1.057+/-0.742 χ^2/NDF: 90.9/96

- sign 1.536+/-1.023 χ^2/NDF: 59.6/49

diff_bpm1Y_rms vs Slug



Right In: 5920.194+/-1.313 χ^2/NDF: 2209168.2/21

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5402.189+/-1.186 χ^2/NDF: 3670021.9/26

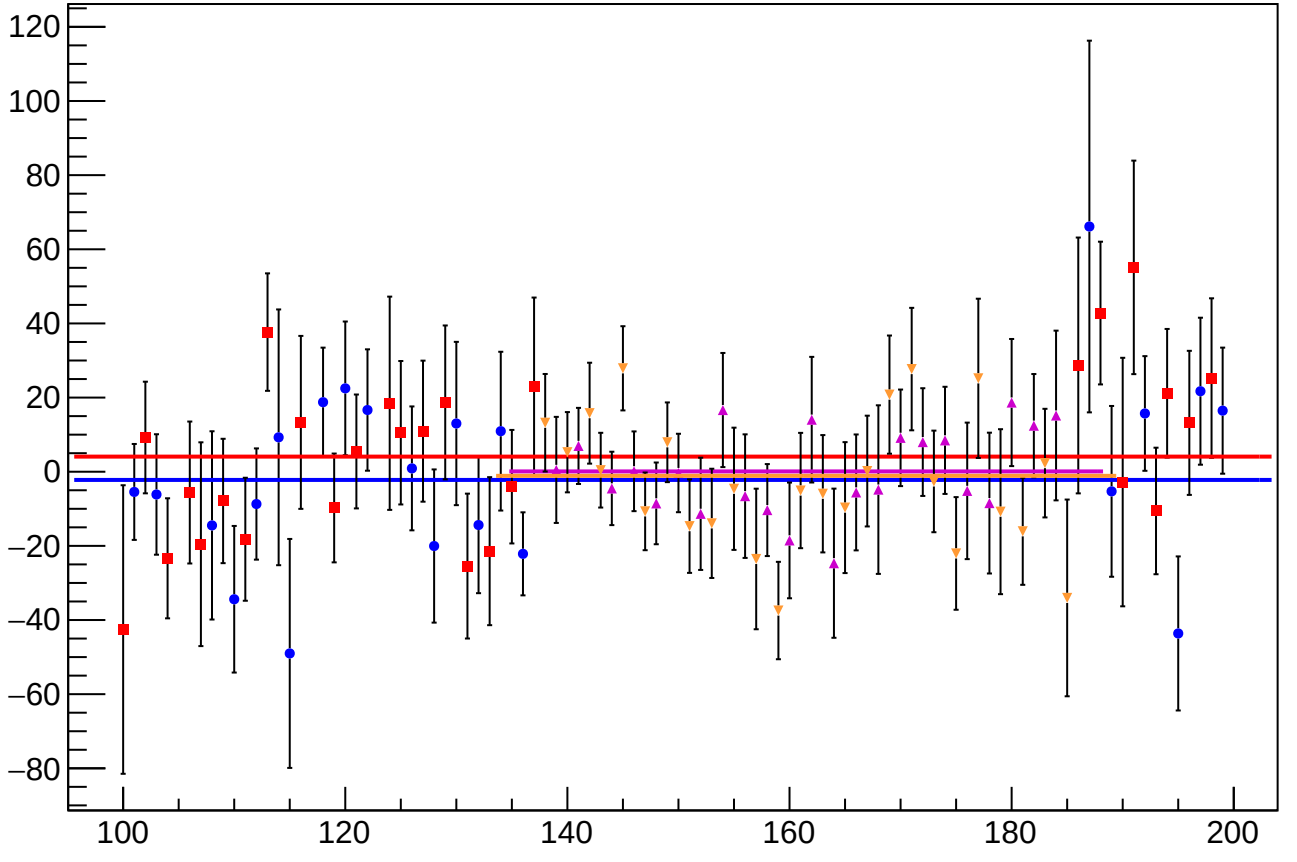
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5703.967+/-0.761 χ^2/NDF: 4034249.0/46

All: 5499.359+/-0.525 χ^2/NDF: 10275945.2/9

- sign 5314.620+/-0.724 χ^2/NDF: 6104301.7/49

diff_bpm11X_mean vs Slug



Right In: -2.213+/-3.849 χ^2/NDF: 25.9/21

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: 4.078+/-3.723 χ^2/NDF: 29.7/26

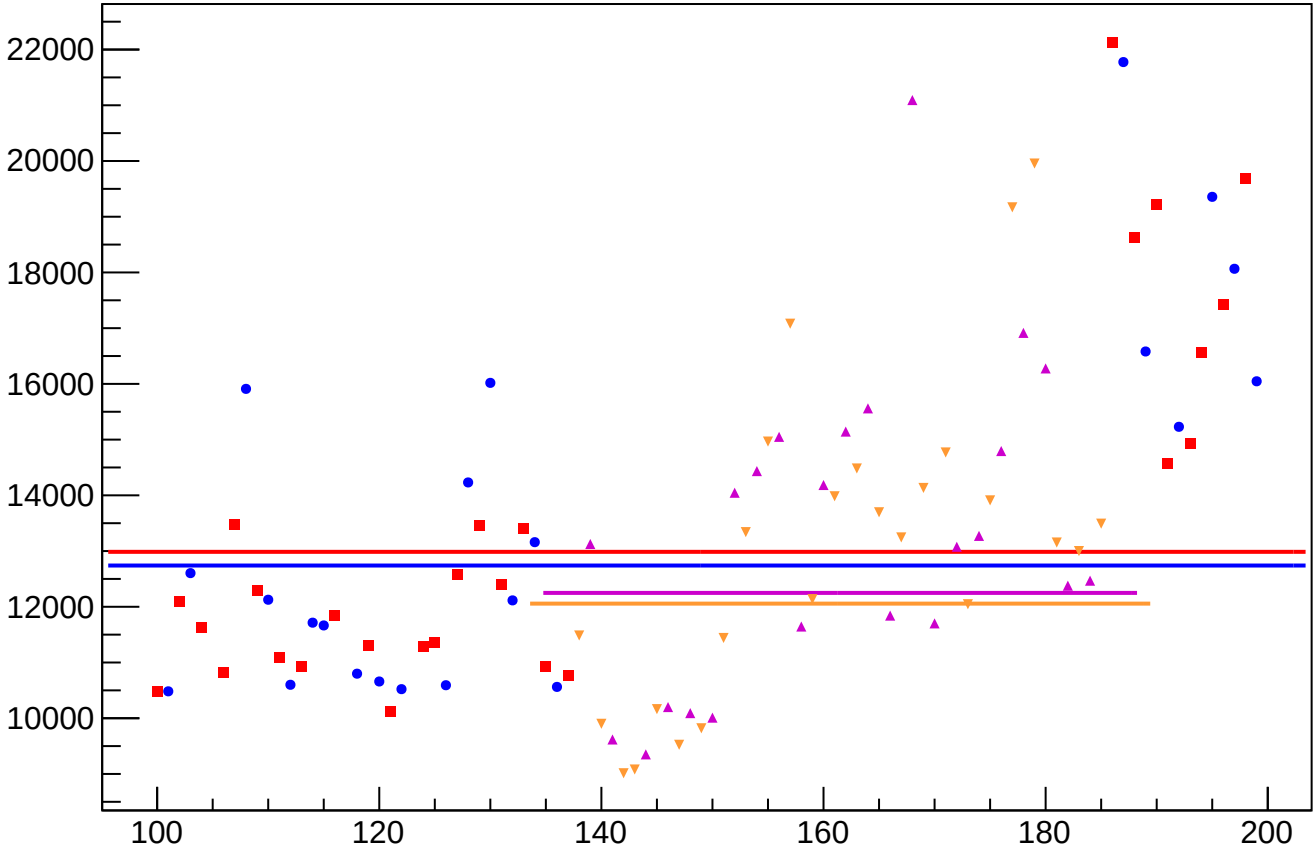
Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

+ sign -1.495+/-2.271 χ^2/NDF: 59.8/46

All: 0.037+/-1.616 χ^2/NDF: 102.6/96

- sign 1.609+/-2.301 χ^2/NDF: 41.9/49

diff_bpm11X_rms vs Slug



Right In: 12740.380+/-2.721 χ^2/NDF: 998915.2/21

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 12986.073+/-2.633 χ^2/NDF: 1097070.3/26

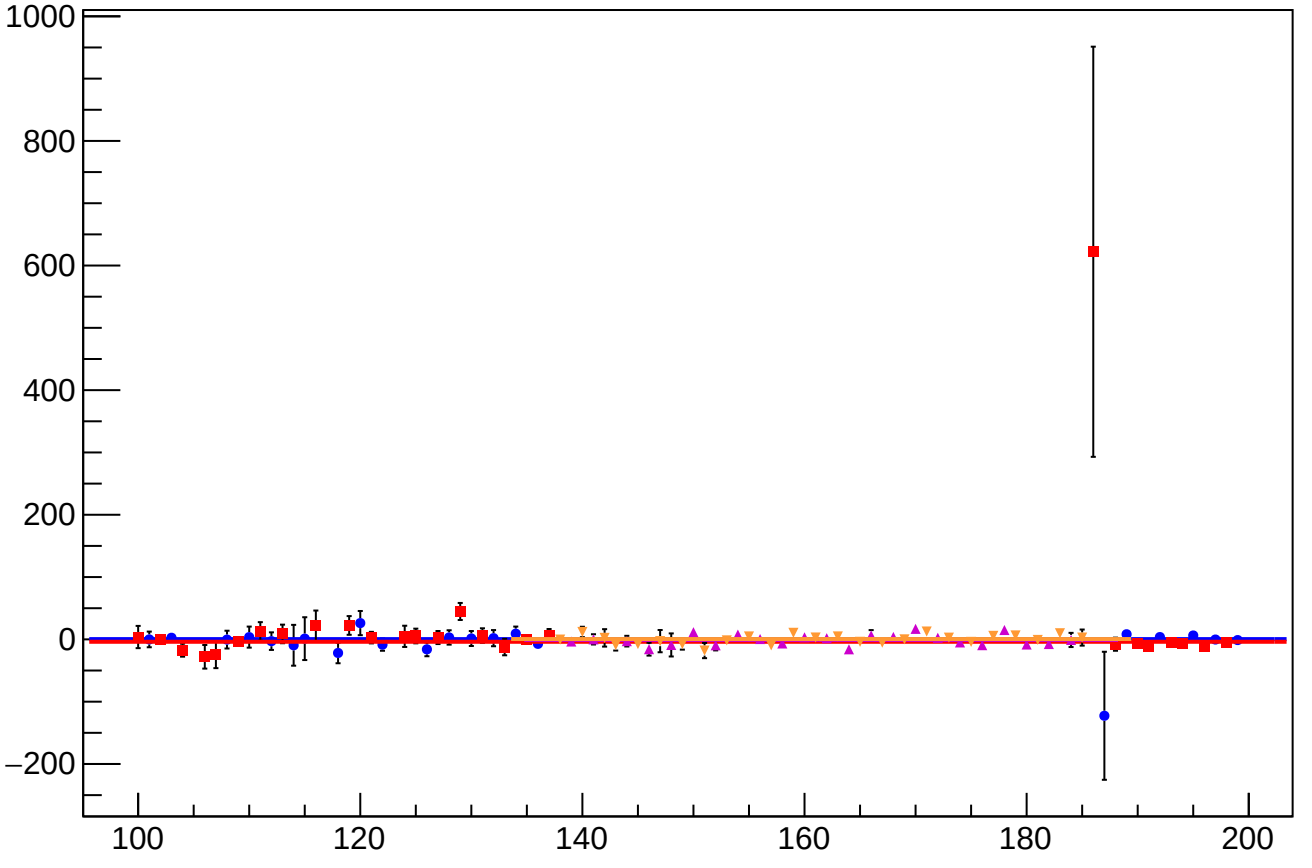
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 12294.788+/-1.606 χ^2/NDF: 2601790.3/46

All: 12411.125+/-1.143 χ^2/NDF: 5173962.8/9

- sign 12530.523+/-1.627 χ^2/NDF: 2561538.0/49

diff_bpm11Y_mean vs Slug



Right In: 0.424+/-1.711 χ^2/NDF: 15.1/21

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -3.866+/-1.564 χ^2/NDF: 36.3/26

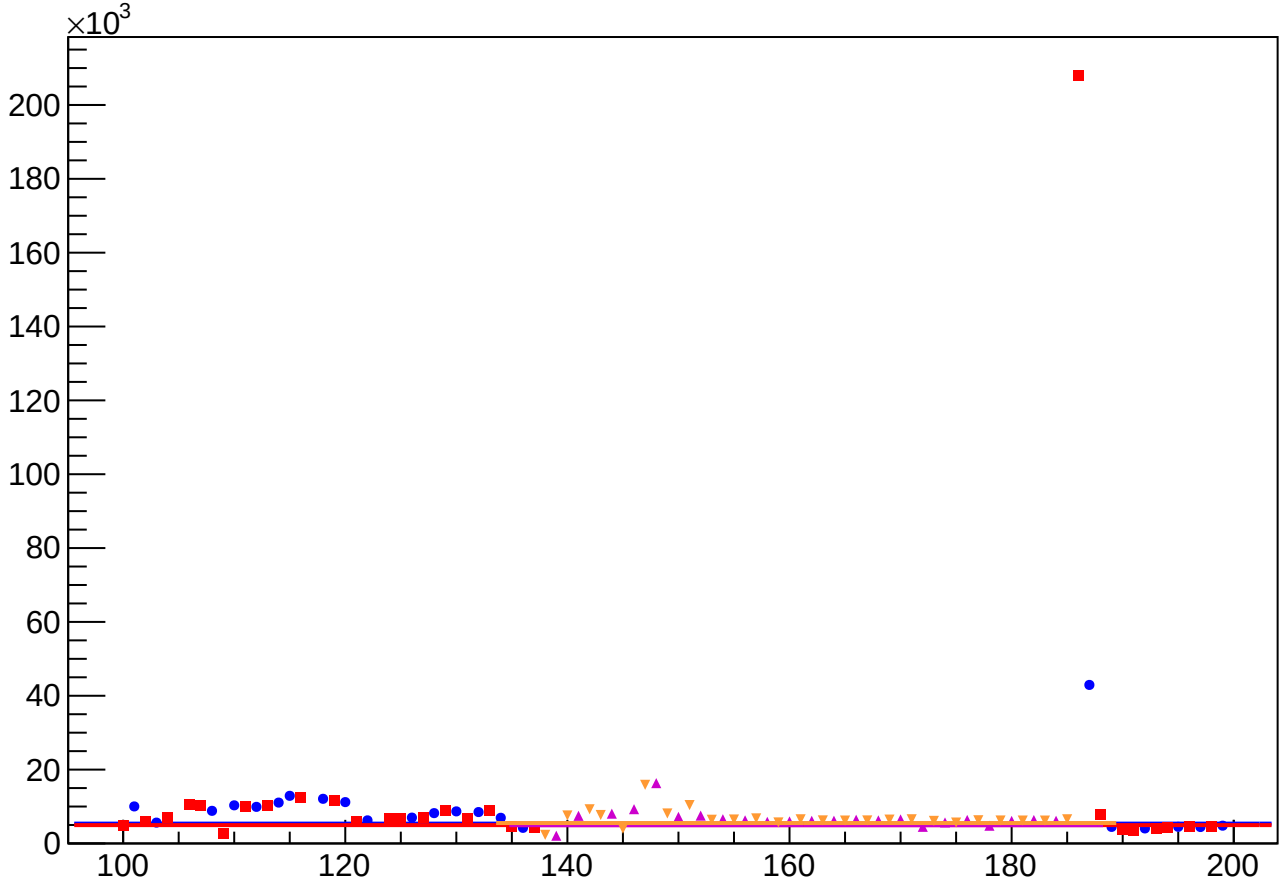
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.486+/-1.069 χ^2/NDF: 36.5/46

All: -0.914+/-0.729 χ^2/NDF: 110.3/96

- sign -2.133+/-0.997 χ^2/NDF: 70.5/49

diff_bpm11Y_rms vs Slug



Right In: 5372.032+/-1.210 χ^2/NDF: 2708485.5/21

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

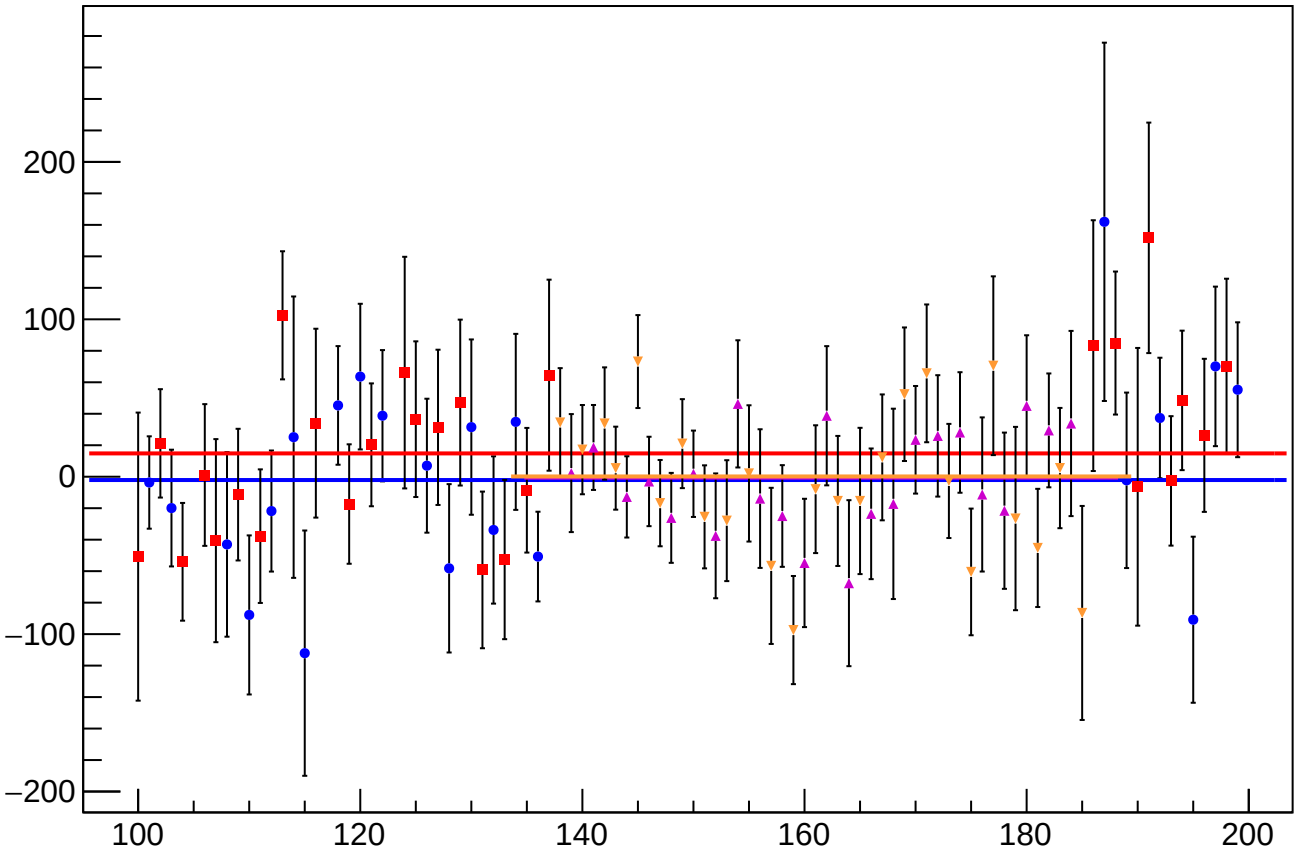
Right Out: 4966.902+/-1.106 χ^2/NDF: 3687422.6/26

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5467.135+/-0.756 χ^2/NDF: 7094335.1/46

All: 5191.774+/-0.516 χ^2/NDF: 16966413.7/9

- sign 4952.116+/-0.705 χ^2/NDF: 9623831.9/49



Right In: -2.105+/-9.582 χ^2/NDF: 25.6/21

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

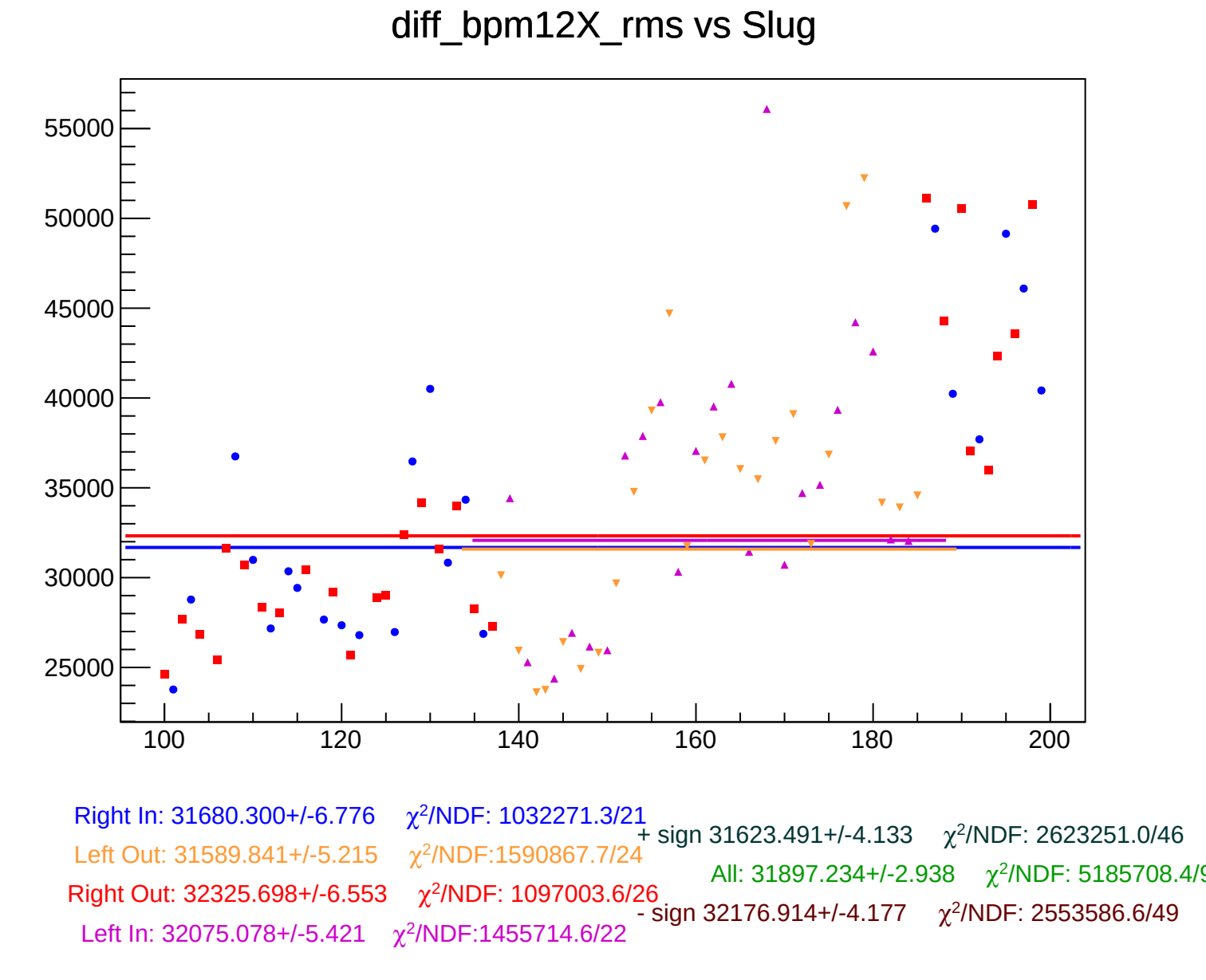
Right Out: 14.809+/-9.267 χ^2/NDF: 26.8/26

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

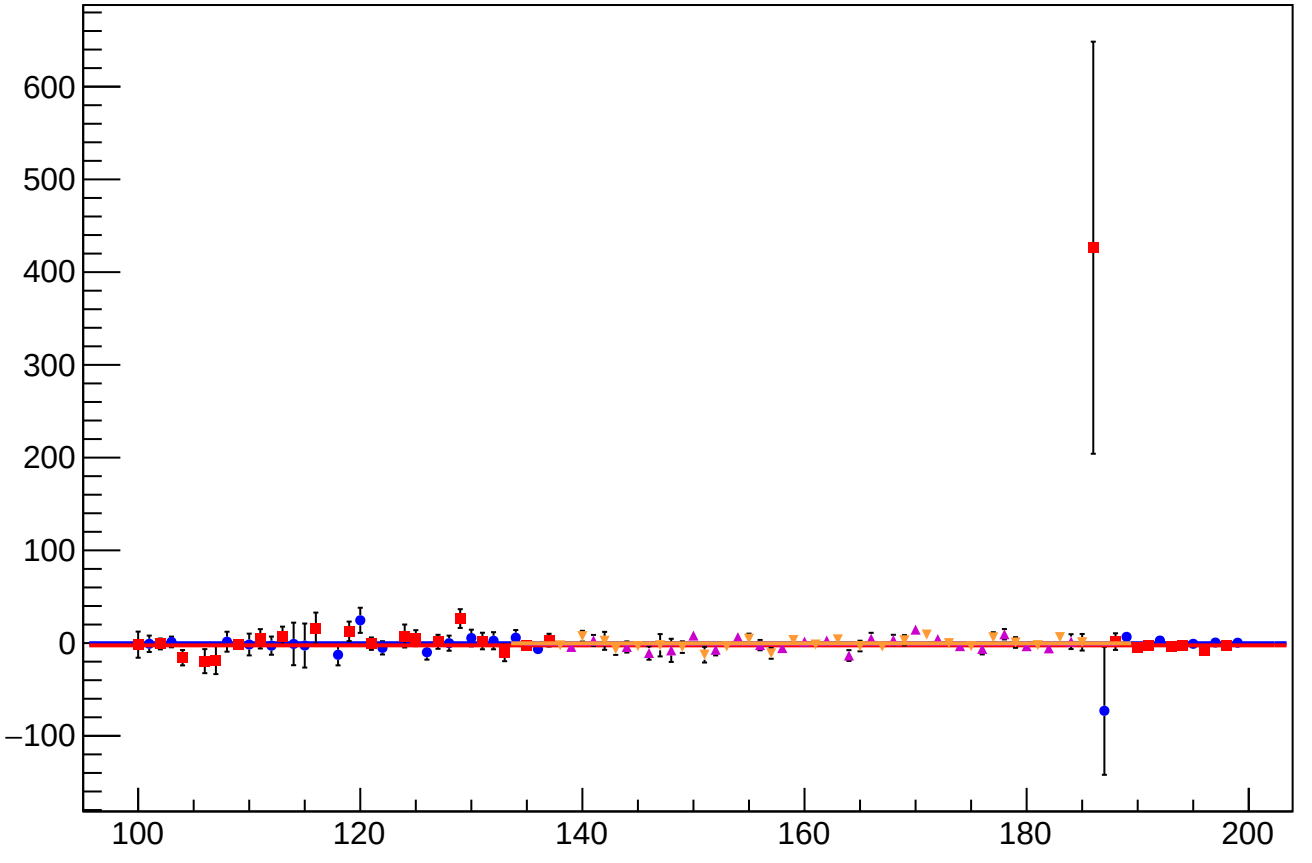
+ sign -0.678+/-5.844 χ^2/NDF: 56.8/46

All: 2.462+/-4.155 χ^2/NDF: 98.6/96

- 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: 31680.300+/-6.776 χ²/NDF: 1032271.3/21
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 31623.491+/-4.133 χ²/NDF: 2623251.0/46
All: 31897.234+/-2.938 χ²/NDF: 5185708.4/9
- sign 32176.914+/-4.177 χ²/NDF: 2553586.6/49

diff_bpm12Y_mean vs Slug



Right In: -0.133+/-1.188 χ^2/NDF: 15.7/21

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

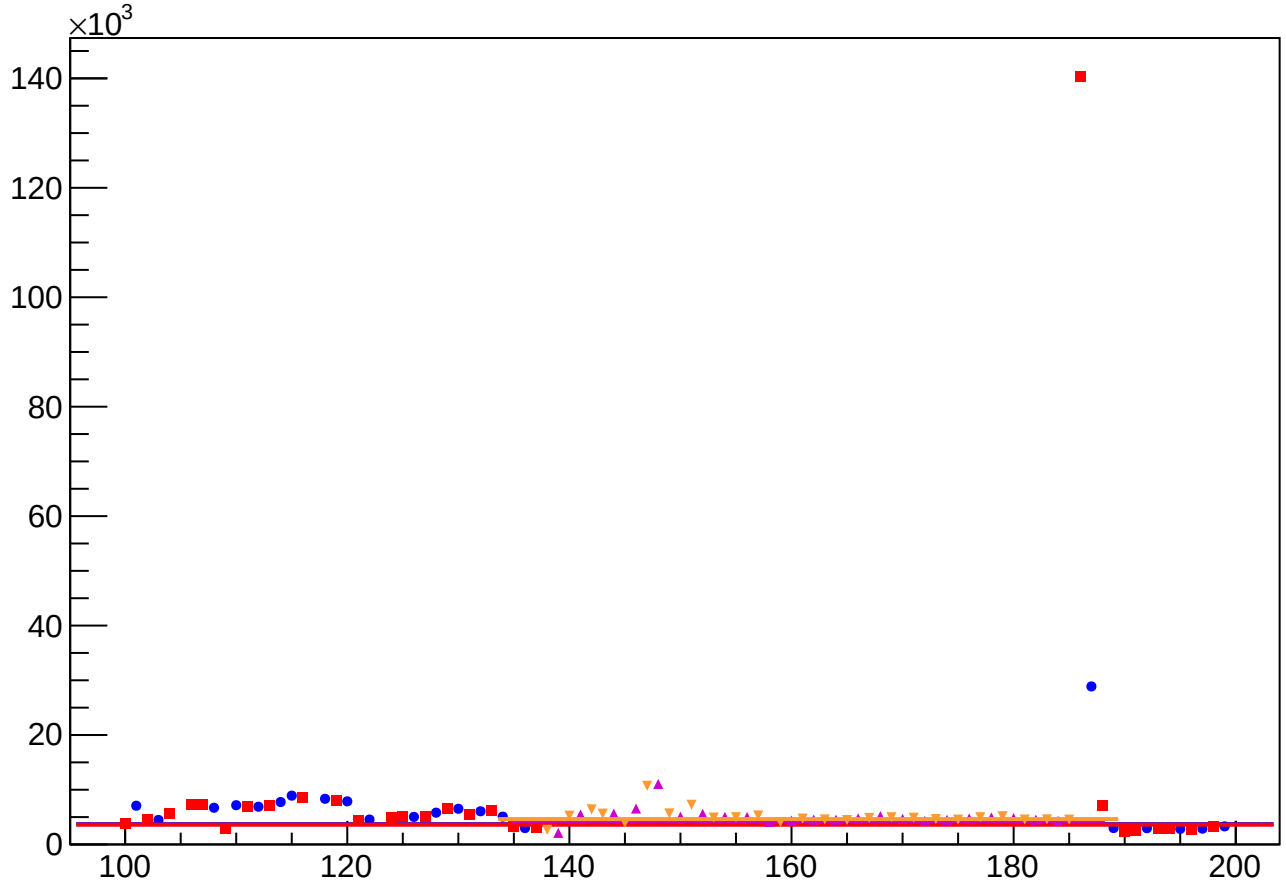
Right Out: -2.437+/-1.129 χ^2/NDF: 28.8/26

Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.183+/-0.805 χ^2/NDF: 35.5/46

All: -0.900+/-0.557 χ^2/NDF: 100.8/96

- sign -1.562+/-0.773 χ^2/NDF: 63.7/49



Right In: 3706.285+/-0.840 χ^2/NDF: 2985124.7/21

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3618.016+/-0.798 χ^2/NDF: 3721654.4/26

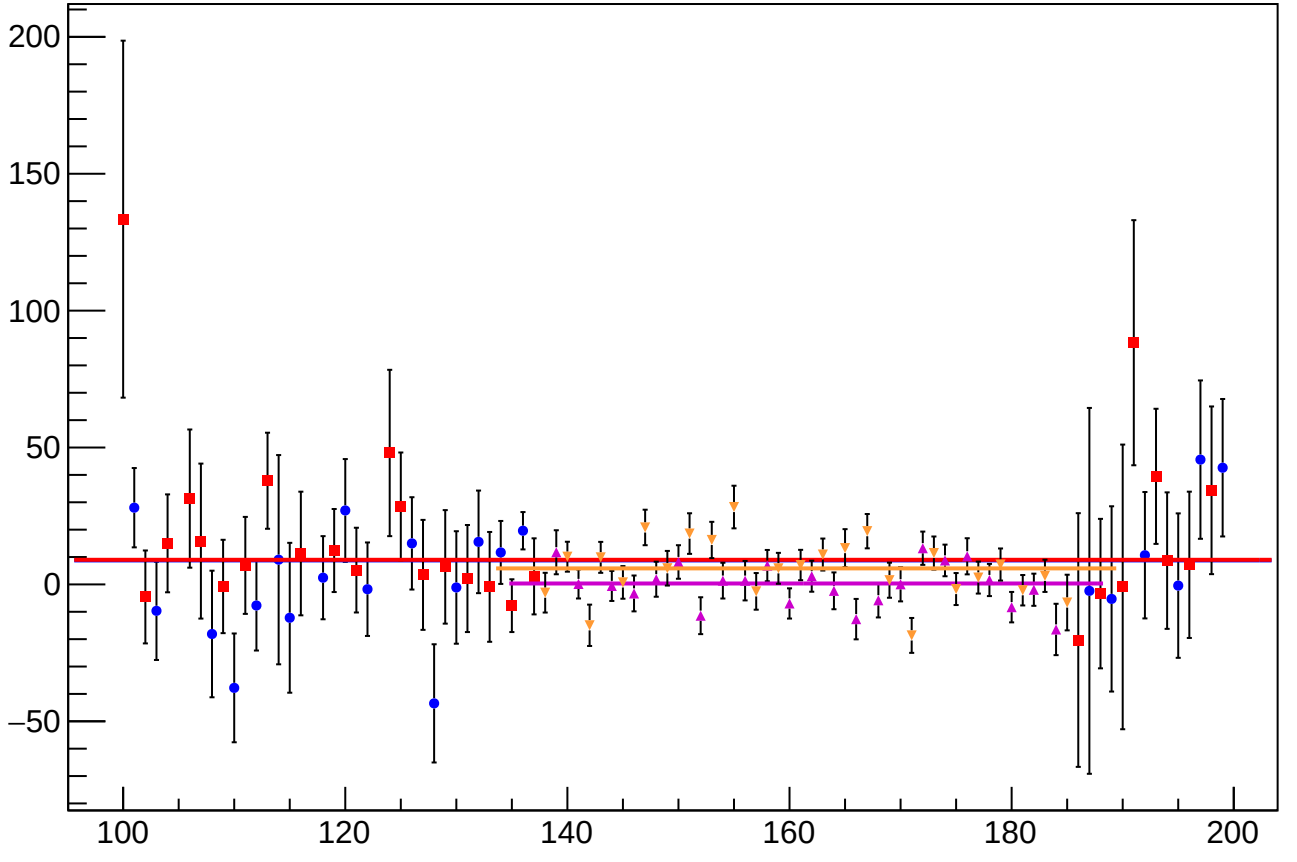
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4210.339+/-0.569 χ^2/NDF: 5412803.8/46

All: 4089.220+/-0.394 χ^2/NDF: 12699349.2/9

- sign 3977.538+/-0.547 χ^2/NDF: 7199493.9/49

diff_bpm16X_mean vs Slug



Right In: 8.768+/-3.634 χ^2/NDF: 25.5/21

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 8.991+/-3.837 χ^2/NDF: 20.7/26

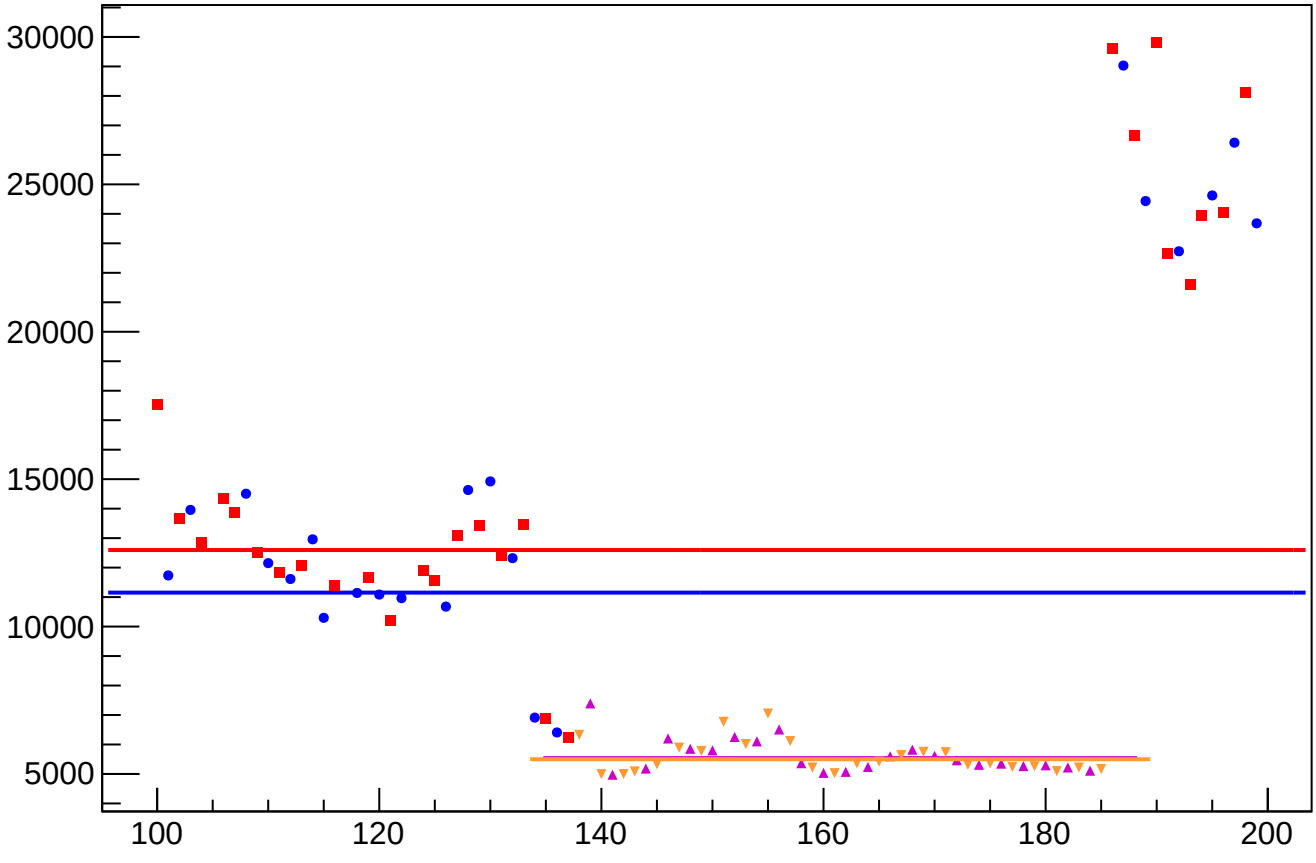
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.161+/-1.188 χ^2/NDF: 86.1/46

All: 3.784+/-0.855 χ^2/NDF: 149.0/96

- sign 1.229+/-1.232 χ^2/NDF: 54.6/49

diff_bpm16X_rms vs Slug



Right In: 11151.978+/-2.570 χ^2/NDF: 4006575.4/21

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 12596.611+/-2.714 χ^2/NDF: 3916352.9/26

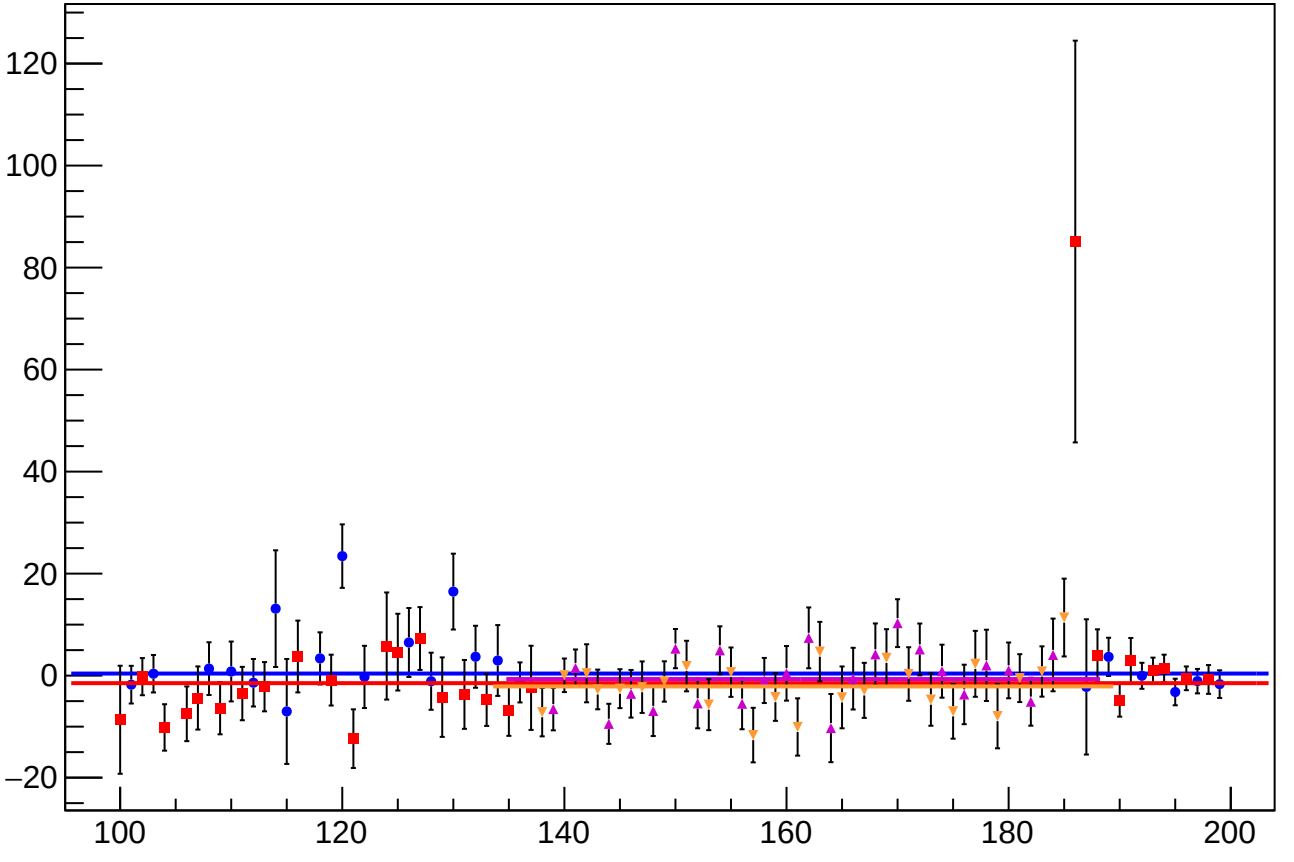
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6103.665+/-0.840 χ^2/NDF: 8626460.9/46

All: 6181.541+/-0.605 χ^2/NDF: 18934401.0/9

- sign 6265.245+/-0.871 χ^2/NDF: 10290116.8/49

diff_bpm16Y_mean vs Slug



Right In: 0.408+/-0.898 χ^2/NDF: 26.2/21

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

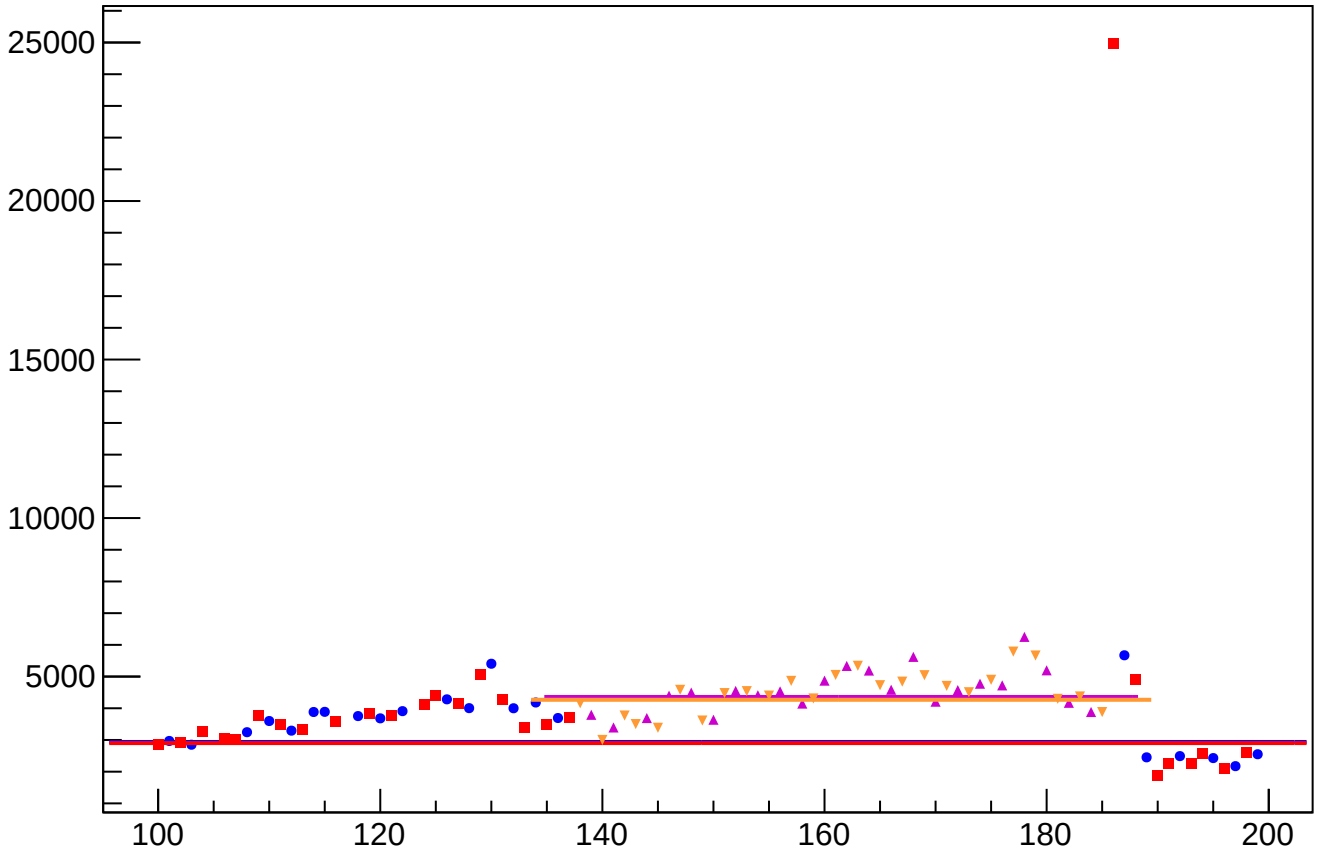
Right Out: -1.475+/-0.854 χ^2/NDF: 26.3/26

Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.734+/-0.664 χ^2/NDF: 47.3/46

All: -0.943+/-0.467 χ^2/NDF: 102.5/96

- sign -1.148+/-0.657 χ^2/NDF: 55.0/49



Right In: 2936.773+/-0.635 χ^2/NDF: 1277561.4/21

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2901.839+/-0.604 χ^2/NDF: 2357181.0/26

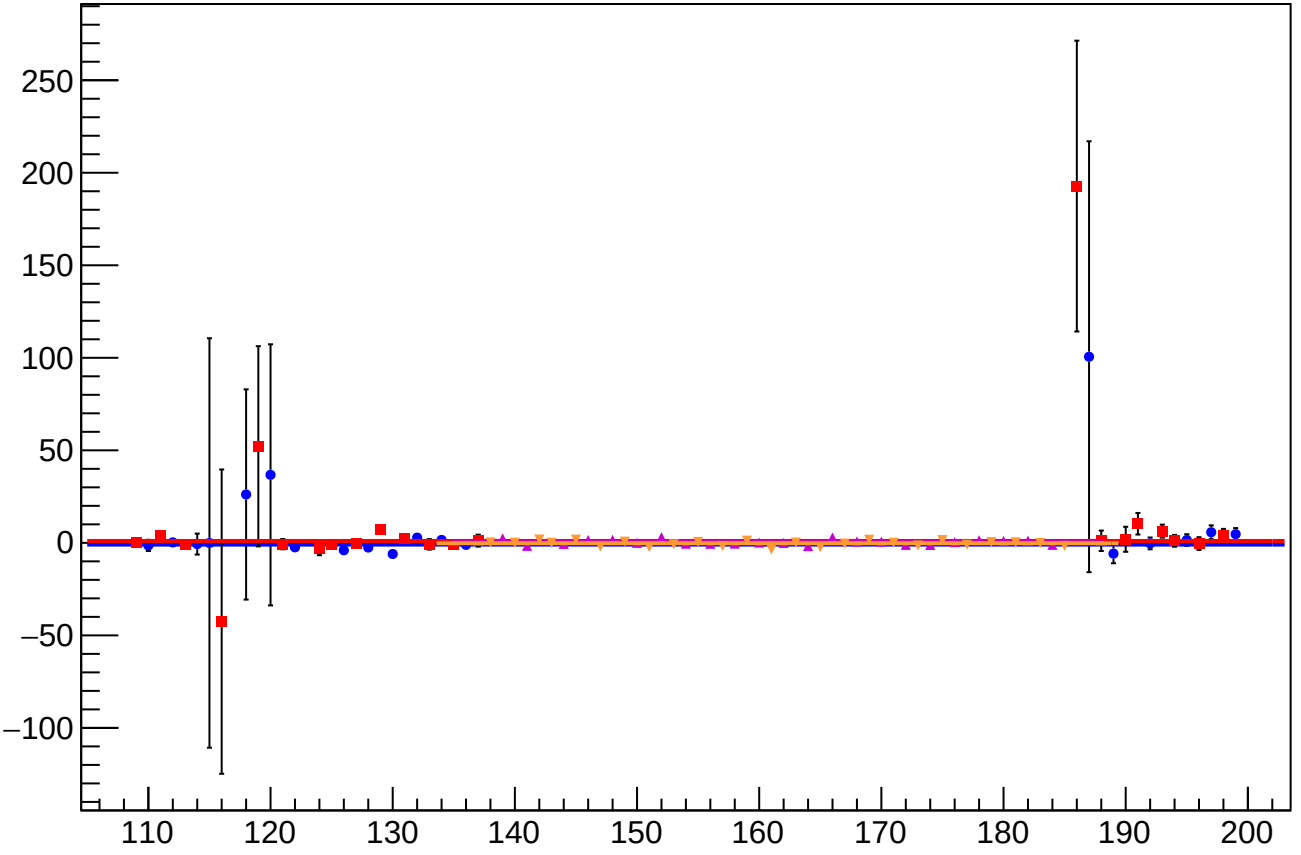
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3539.090+/-0.470 χ^2/NDF: 4301723.5/46

All: 3515.962+/-0.330 χ^2/NDF: 9767117.2/96

- sign 3493.299+/-0.465 χ^2/NDF: 5460592.3/49

diff_bpm1p02bX_mean vs Slug



Right In: -0.923+/-0.664 χ^2/NDF: 20.2/18

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 1.018+/-0.651 χ^2/NDF: 24.5/21

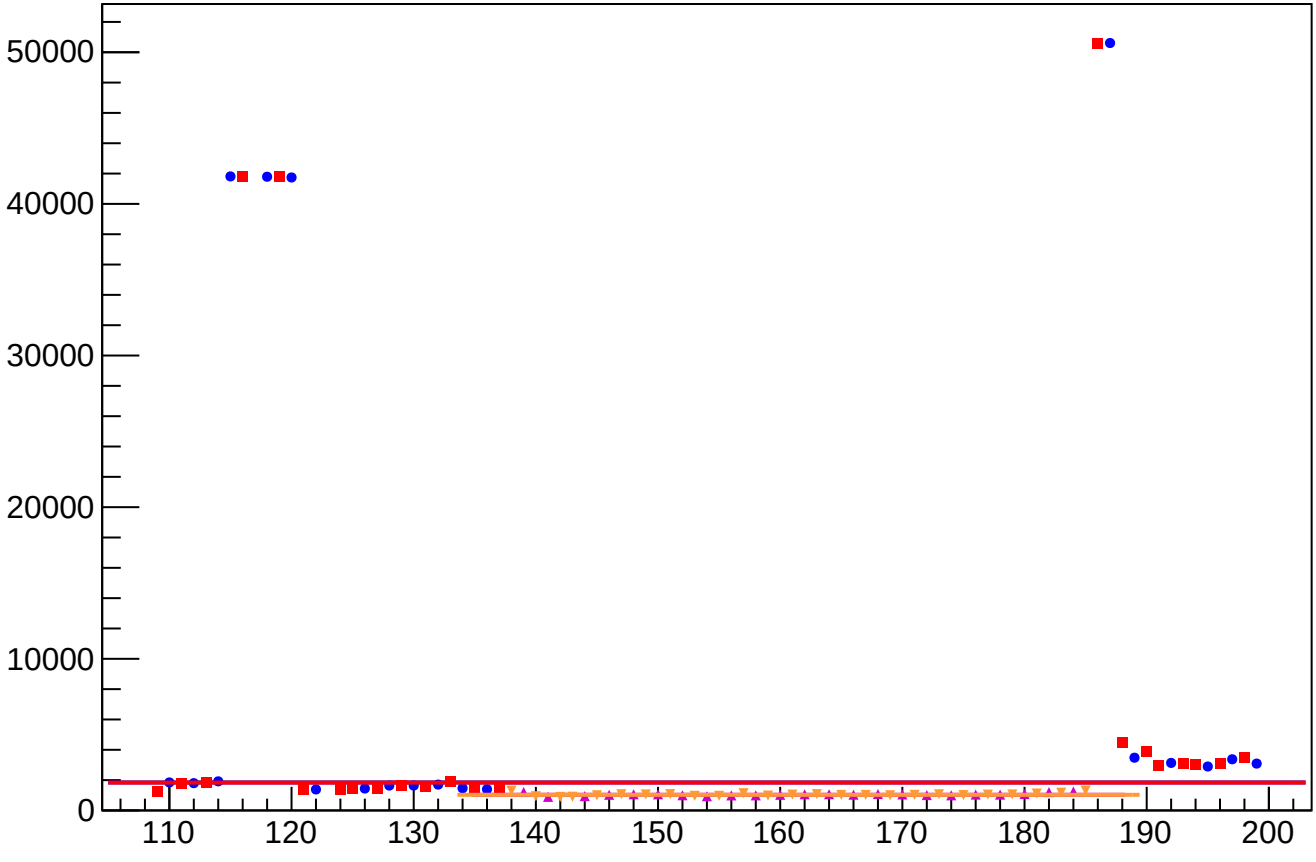
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.282+/-0.222 χ^2/NDF: 55.2/43

All: 0.060+/-0.159 χ^2/NDF: 115.0/88

- sign 0.417+/-0.227 χ^2/NDF: 55.0/44

diff_bpm1p02bX_rms vs Slug



Right In: 1846.063+/-0.470 χ^2/NDF: 4040592.4/18

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1838.344+/-0.460 χ^2/NDF: 4785392.7/21

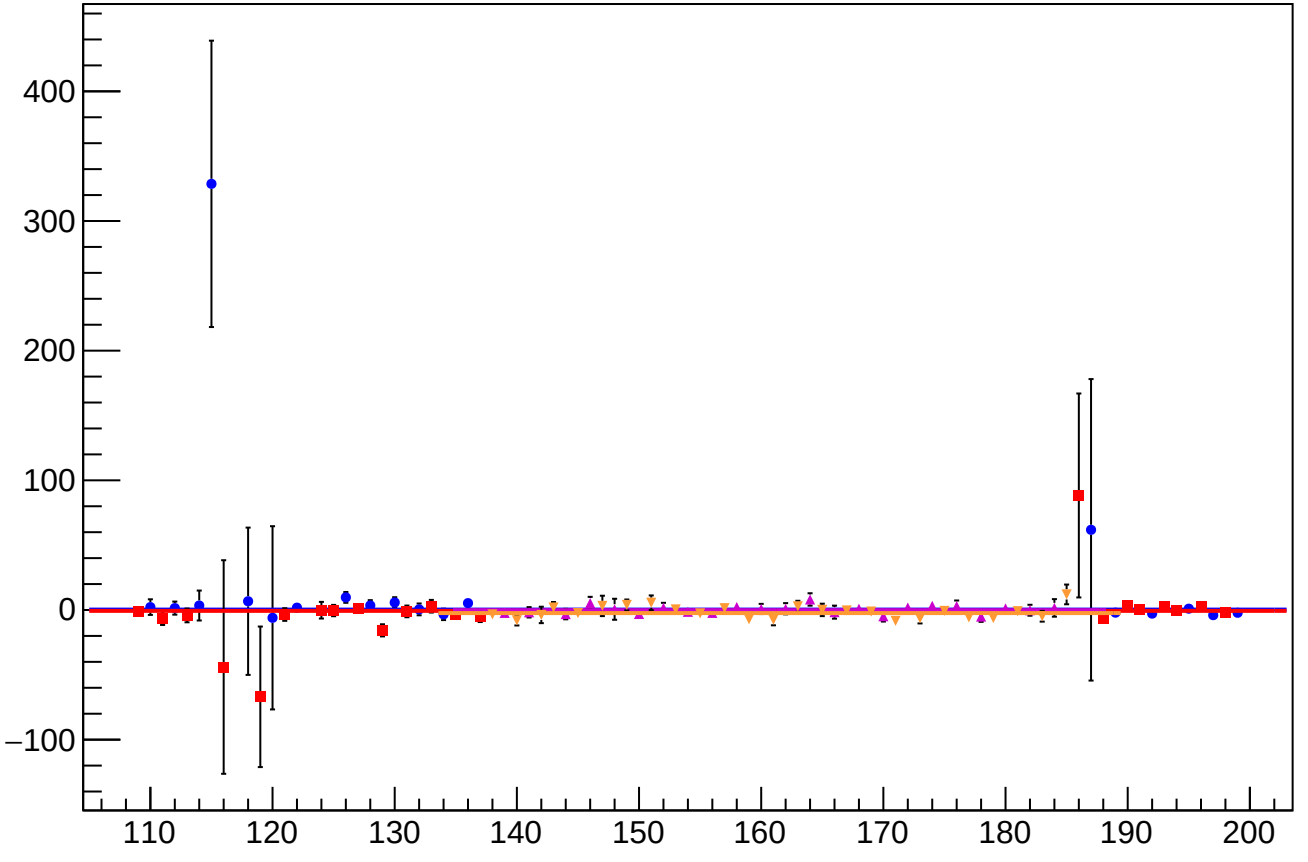
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1122.408+/-0.157 χ^2/NDF: 6955930.9/43

All: 1126.476+/-0.112 χ^2/NDF: 14622905.0/8

- sign 1130.729+/-0.160 χ^2/NDF: 7665600.2/44

diff_bpm1p02bY_mean vs Slug



Right In: 0.302+/-0.784 χ^2/NDF: 31.1/18

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -0.667+/-0.766 χ^2/NDF: 26.9/21

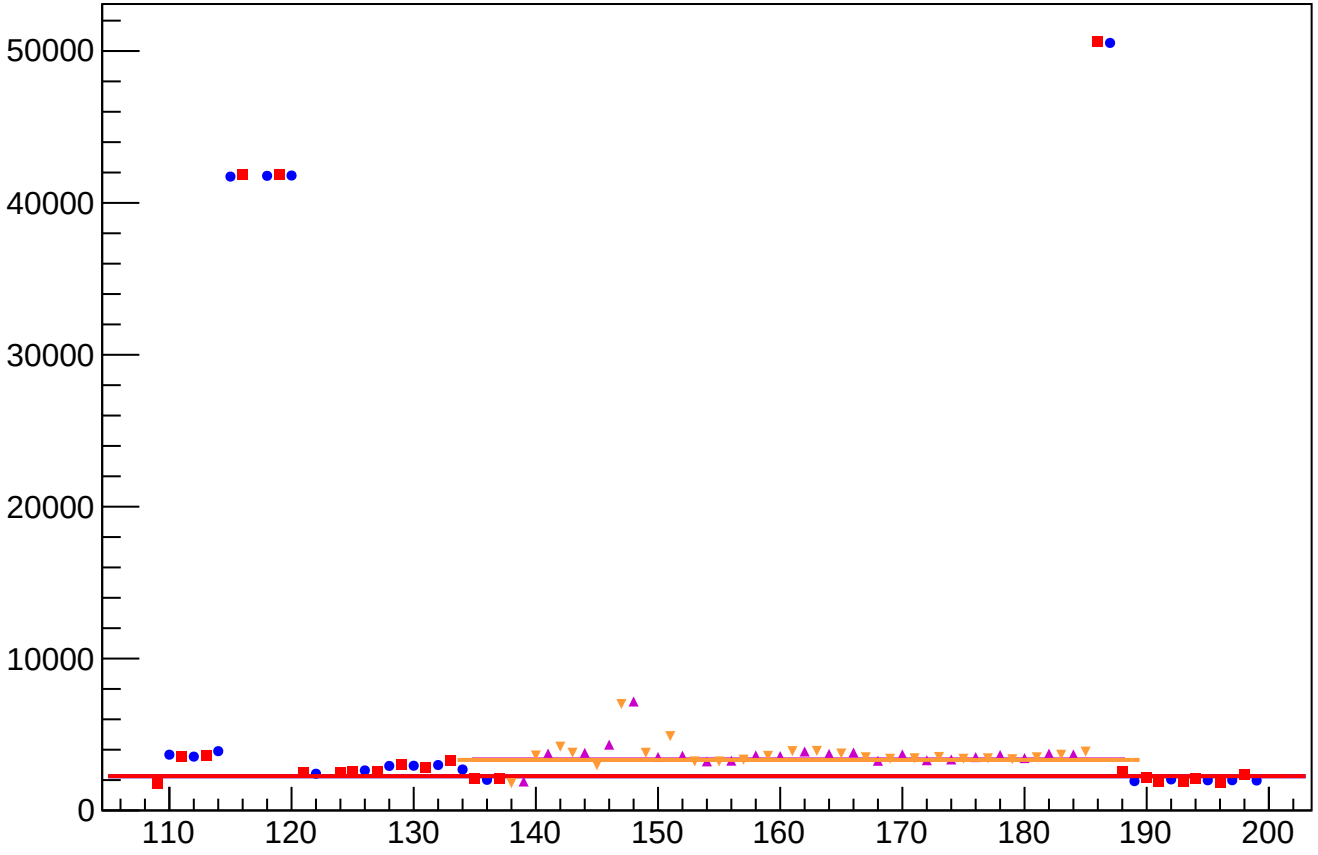
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -1.042+/-0.554 χ^2/NDF: 61.3/43

All: -0.739+/-0.393 χ^2/NDF: 101.7/88

- sign -0.433+/-0.556 χ^2/NDF: 39.8/44

diff_bpm1p02bY_rms vs Slug



Right In: 2249.638+/-0.554 χ^2/NDF: 2847089.4/18

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

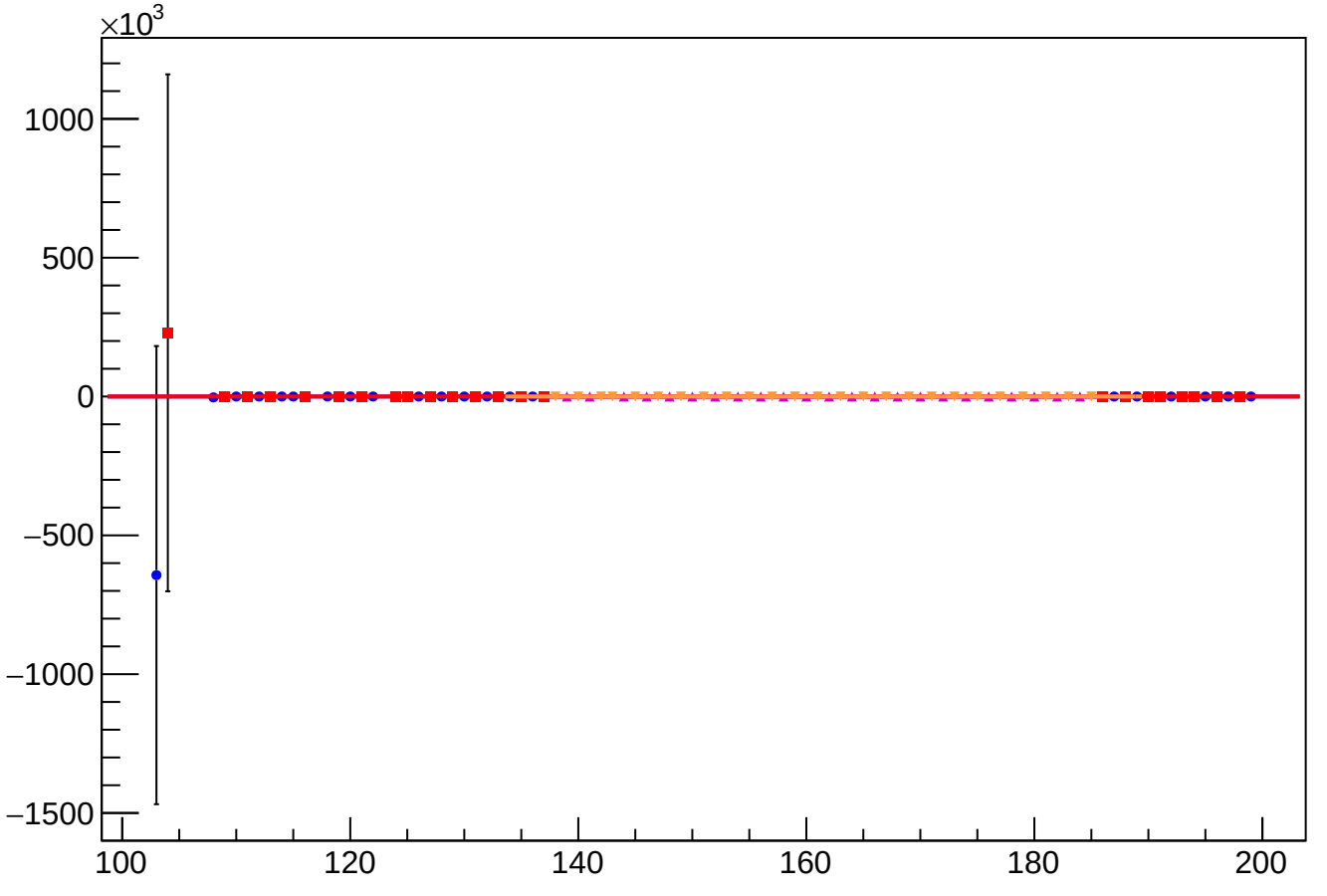
Right Out: 2259.079+/-0.542 χ^2/NDF: 2980788.9/21

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2790.312+/-0.392 χ^2/NDF: 6659861.8/43

All: 2784.948+/-0.278 χ^2/NDF: 13244421.2/8

- sign 2779.531+/-0.393 χ^2/NDF: 6584182.2/44



Right In: -1.533+/-0.758 χ^2/NDF: 22.0/20

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.096+/-0.762 χ^2/NDF: 22.8/22

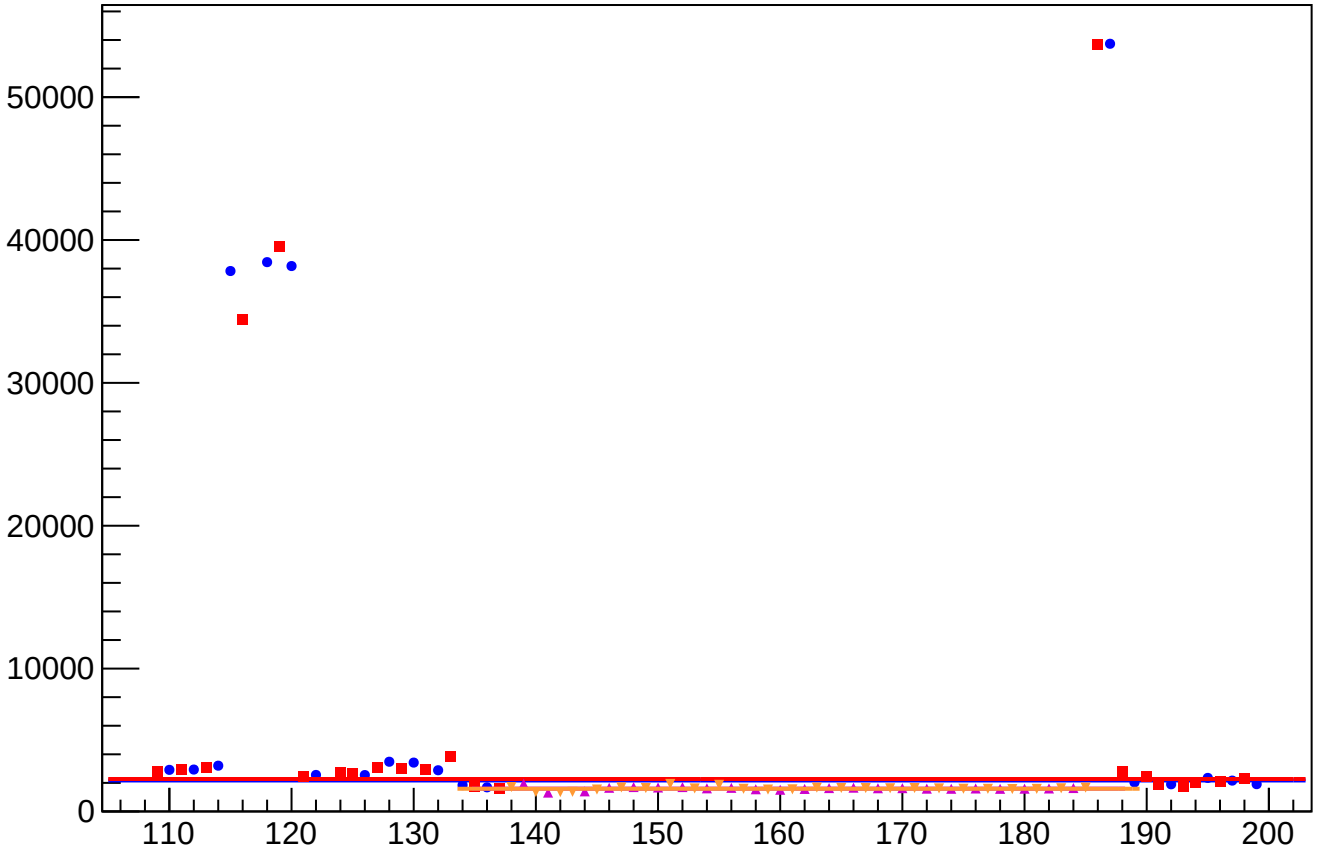
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.565+/-0.327 χ^2/NDF: 72.3/45

All: -0.995+/-0.234 χ^2/NDF: 134.8/91

- sign -0.393+/-0.336 χ^2/NDF: 56.3/45

diff_bpm1p03aX_rms vs Slug



Right In: 2168.996+/-0.536 χ^2/NDF: 2930409.5/18

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2272.096+/-0.539 χ^2/NDF: 3150092.3/21

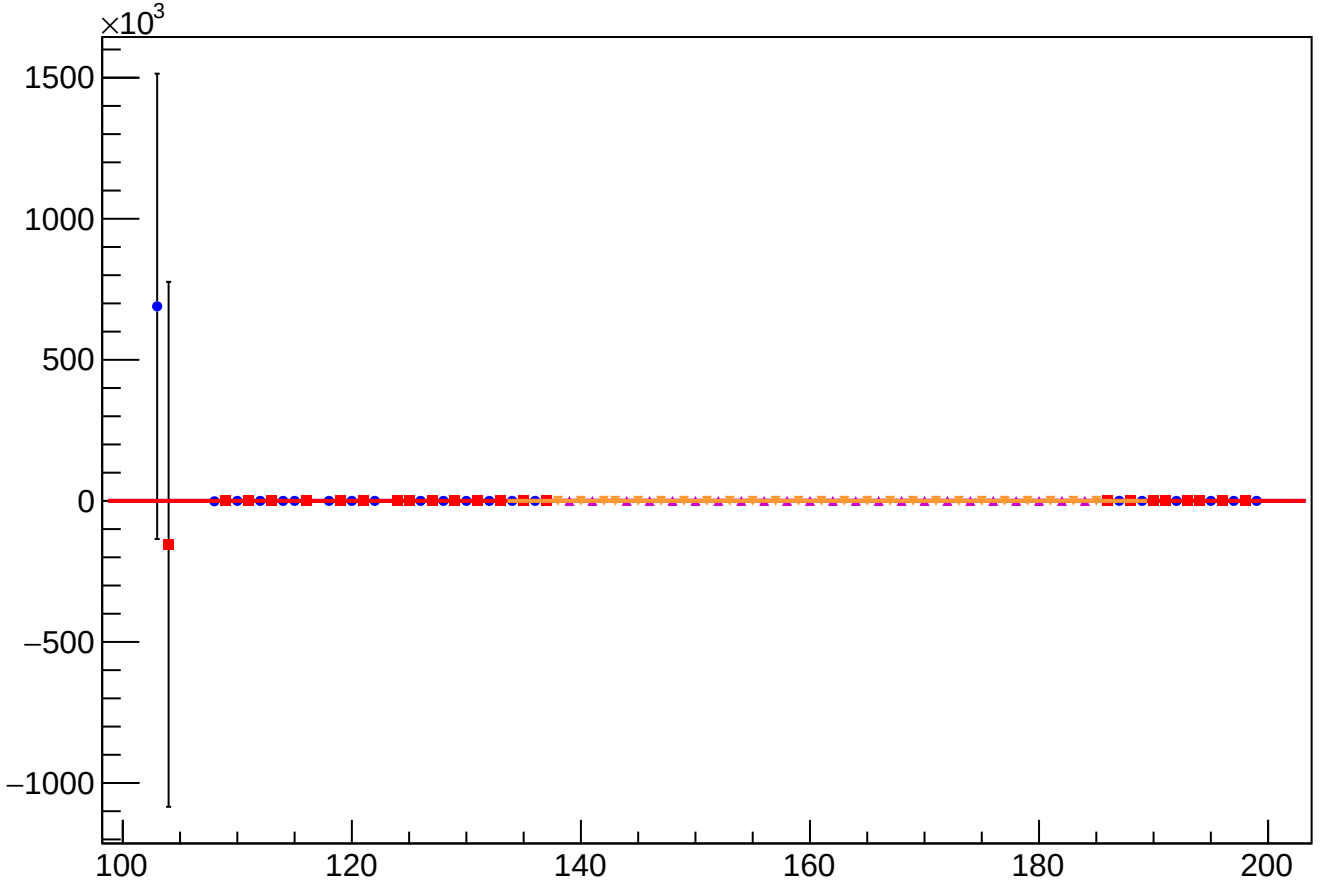
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1697.638+/-0.231 χ^2/NDF: 4114697.2/43

All: 1712.188+/-0.166 χ^2/NDF: 8736175.0/88

- sign 1727.532+/-0.238 χ^2/NDF: 4613356.6/44

diff_bpm1p03aY_mean vs Slug



Right In: 0.352+/-0.653 χ^2/NDF: 13.3/20

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.069+/-0.631 χ^2/NDF: 26.1/22

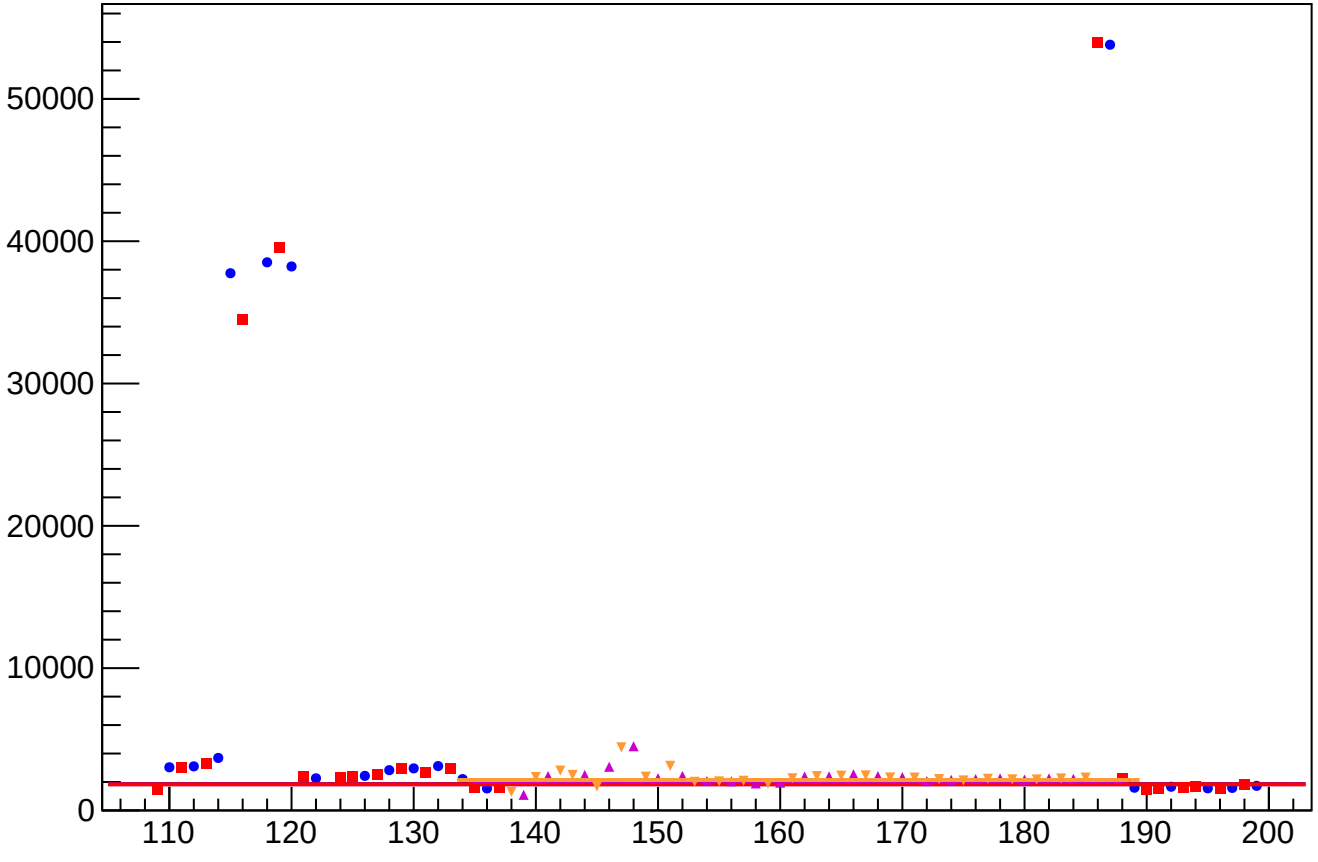
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.610+/-0.398 χ^2/NDF: 41.1/45

All: -0.275+/-0.280 χ^2/NDF: 85.5/91

- sign 0.050+/-0.393 χ^2/NDF: 43.0/45

diff_bpm1p03aY_rms vs Slug



Right In: 1849.201+/-0.462 χ^2/NDF: 3279907.1/18

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1839.988+/-0.446 χ^2/NDF: 3406346.1/21

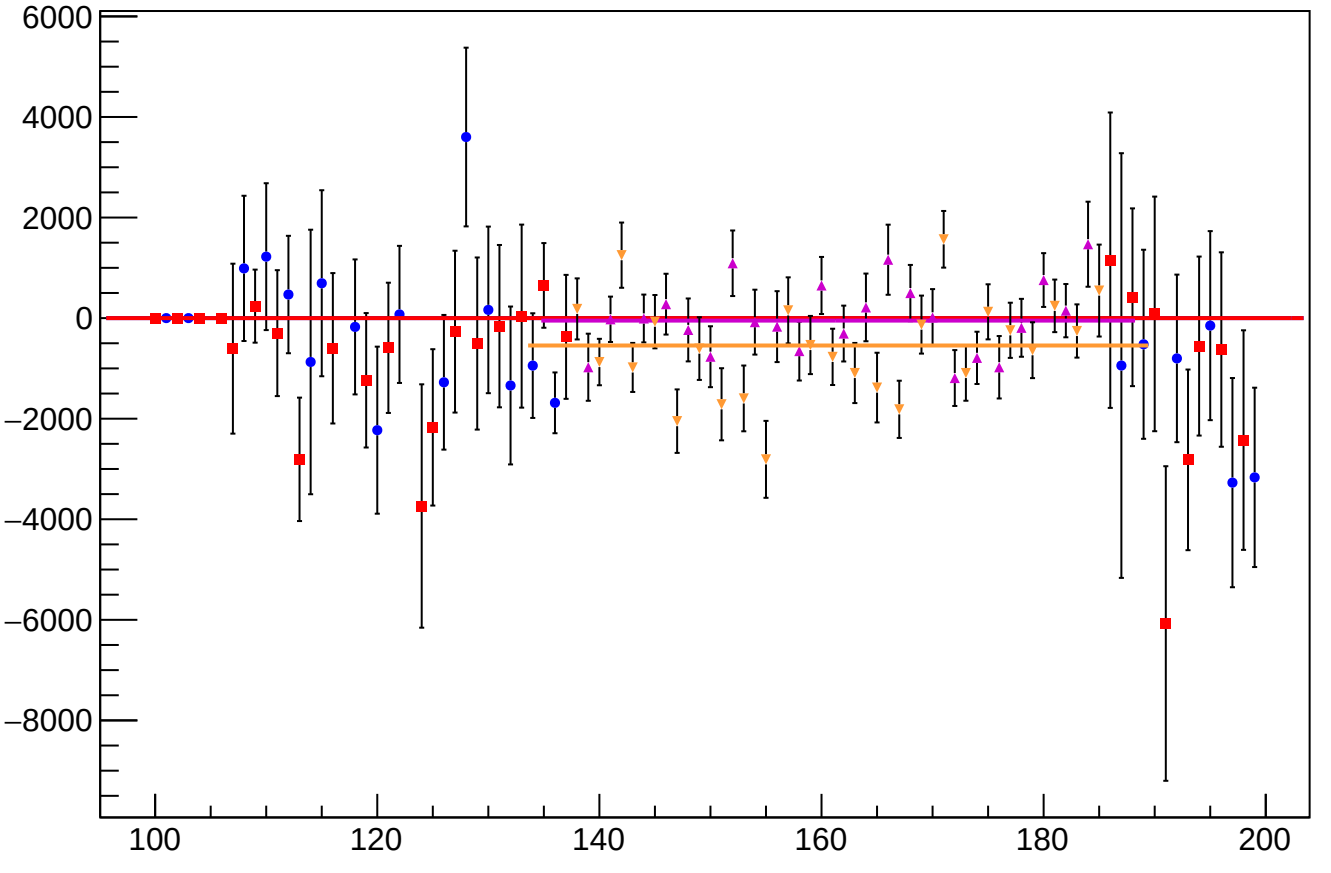
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2031.414+/-0.282 χ^2/NDF: 5007671.7/43

All: 2002.200+/-0.198 χ^2/NDF: 10875446.1/8

- 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: 23.7/21

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

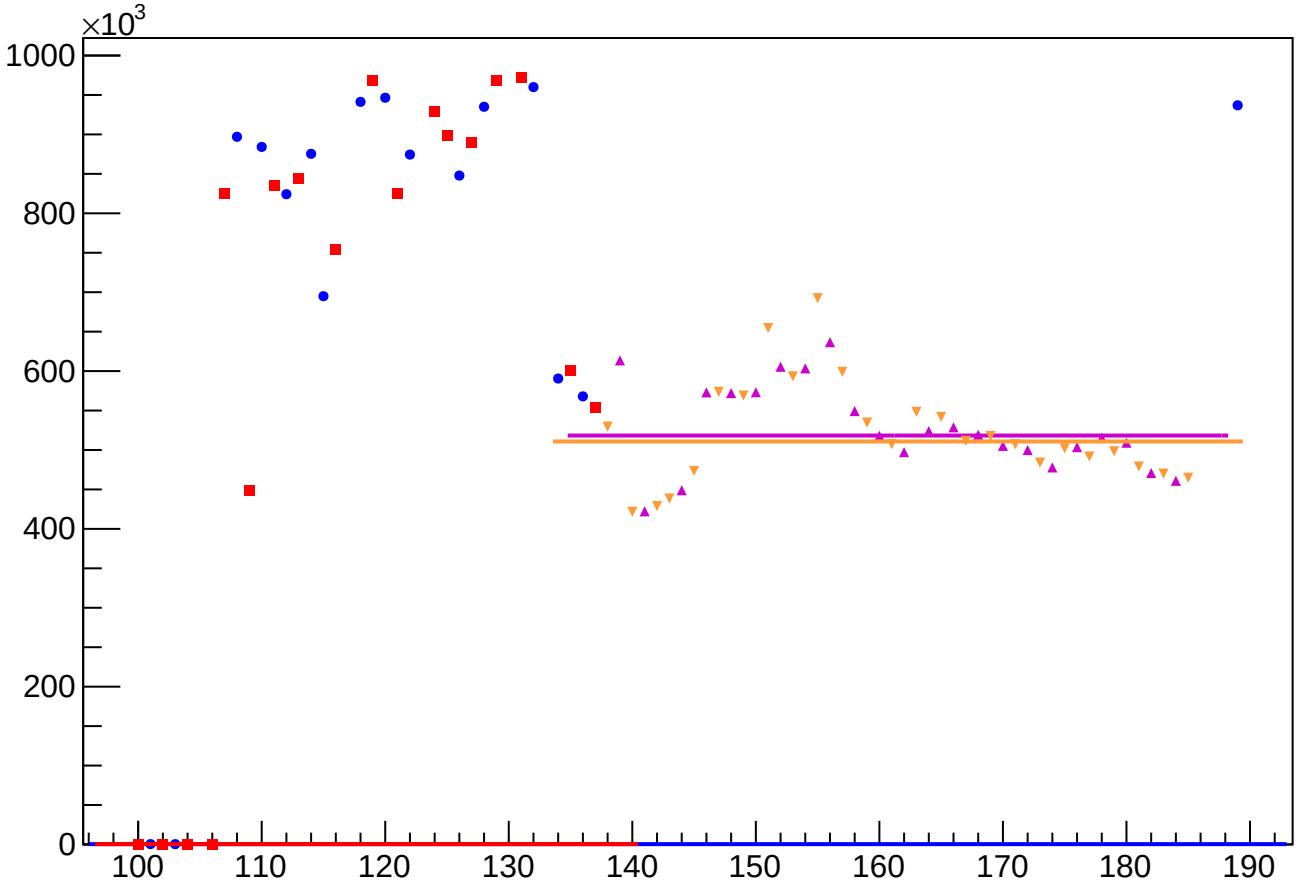
Right Out: 0.096+/-0.328 χ^2/NDF: 23.3/26

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 106.2/46

All: 0.166+/-0.241 χ^2/NDF: 157.7/96

- 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

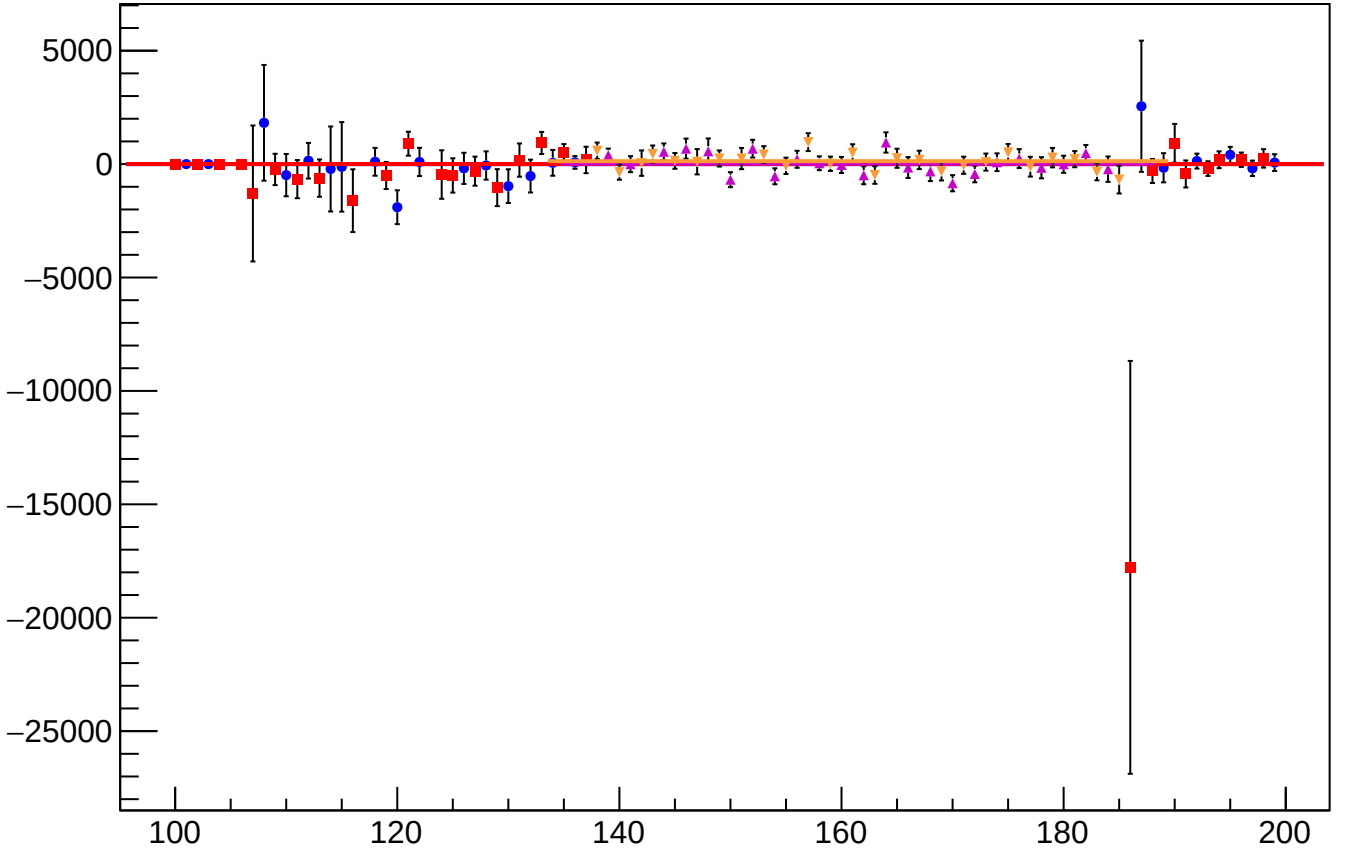
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ 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: 13.1/21

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: 0.599+/-0.324 χ^2/NDF: 22.2/26

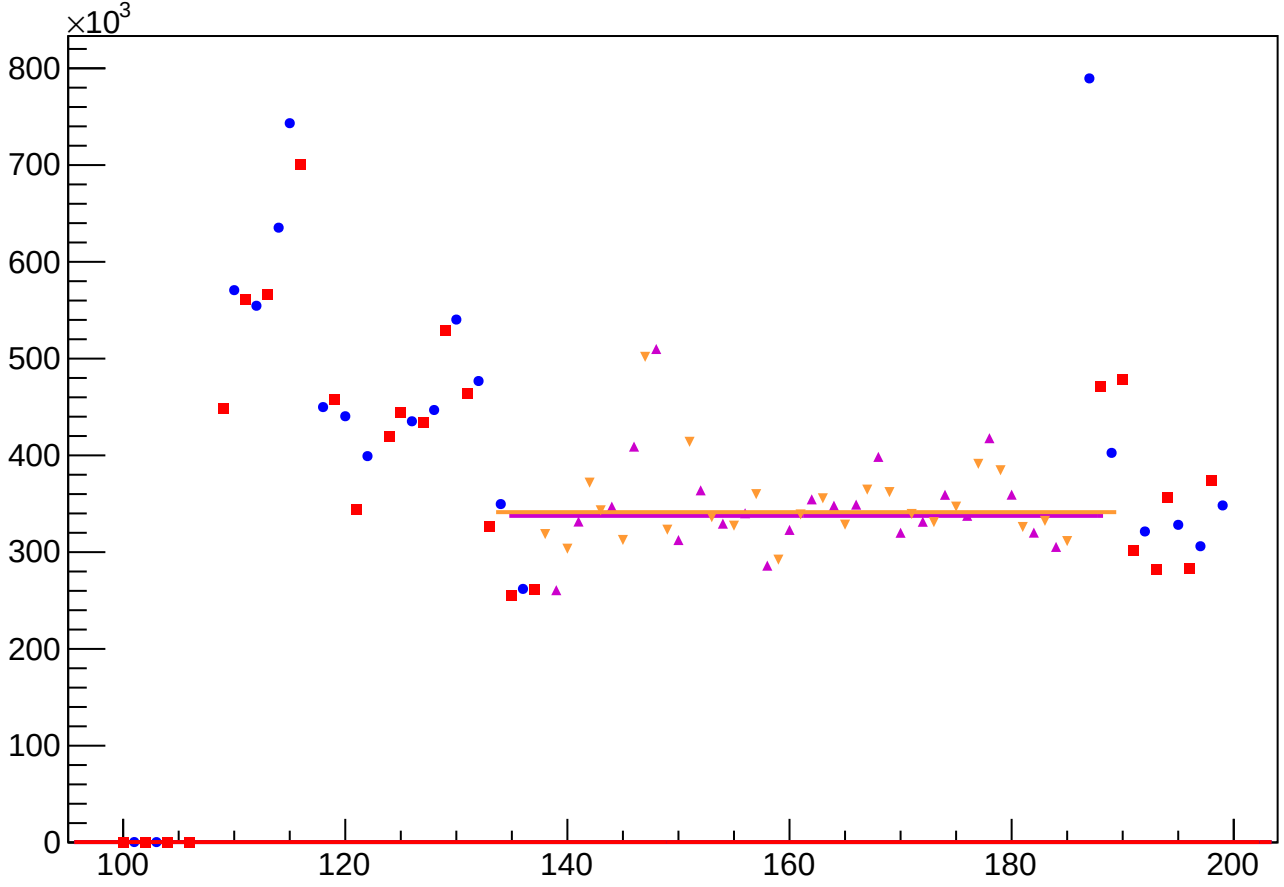
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 36.0/46

All: 0.312+/-0.237 χ^2/NDF: 93.6/96

- sign 0.599+/-0.324 χ^2/NDF: 56.0/49

diff_cav4bY_rms vs Slug



Right In: 391.689+/-0.245 χ^2/NDF: 18929181.4/20

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 389.399+/-0.229 χ^2/NDF: 20383238.5/24

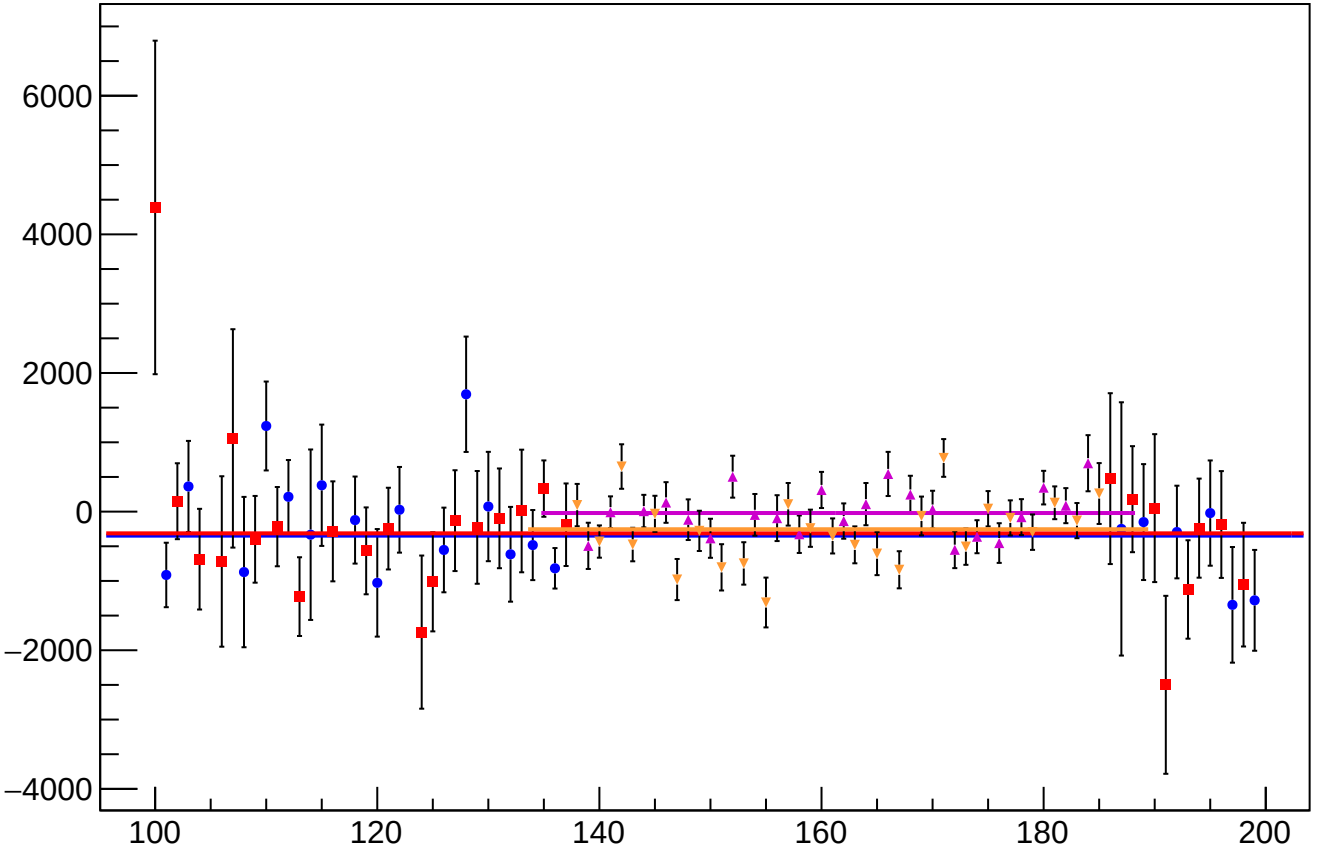
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 398.398+/-0.245 χ^2/NDF: 57299777.1/45

All: 396.556+/-0.167 χ^2/NDF: 114002015.2/9

- sign 394.953+/-0.229 χ^2/NDF: 56702132.7/47

diff_cav4cX_mean vs Slug



Right In: -346.285+/-134.745 χ^2/NDF: 24.6/21

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: -313.476+/-139.317 χ^2/NDF: 19.8/26

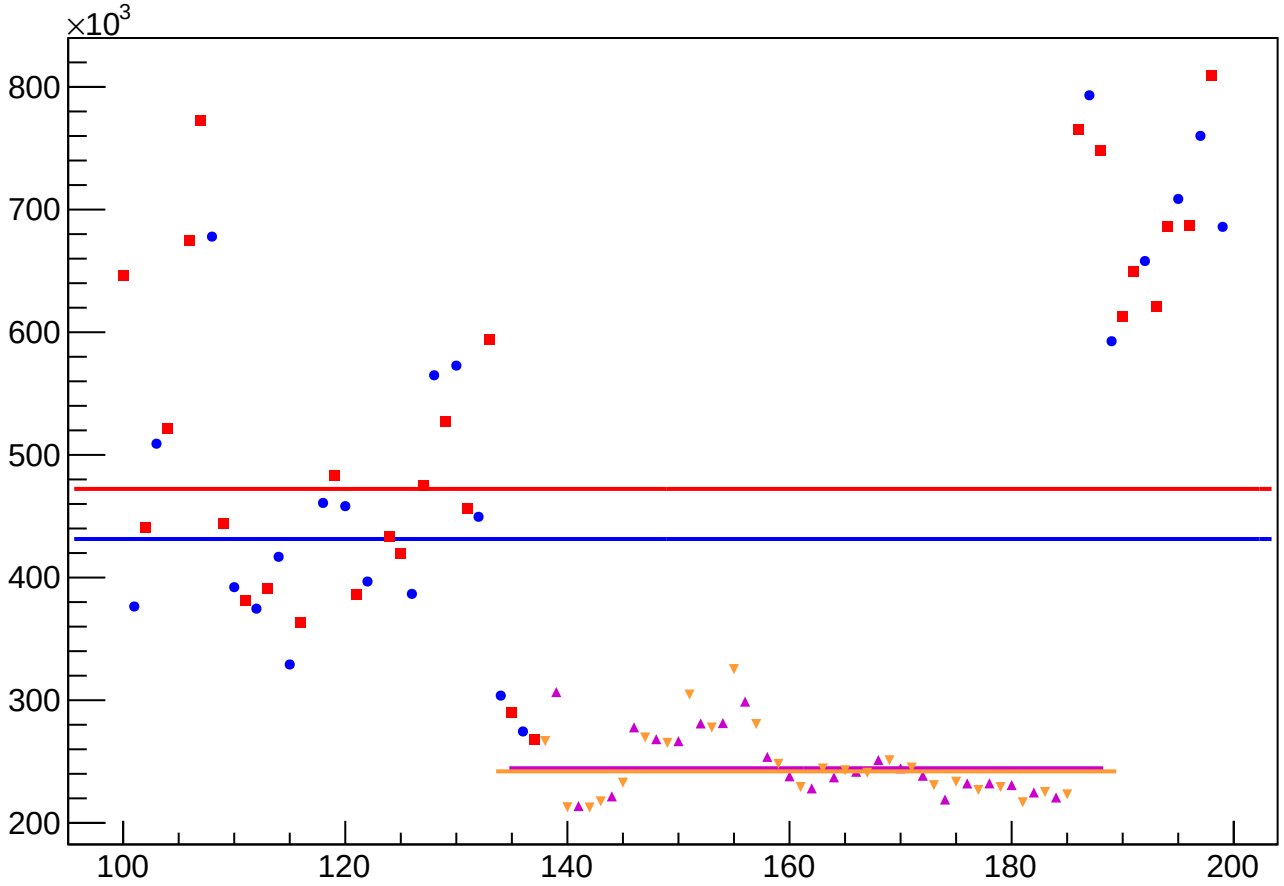
Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -267.669+/-51.252 χ^2/NDF: 86.3/46

All: -168.956+/-36.889 χ^2/NDF: 146.2/96

- sign -62.845+/-53.138 χ^2/NDF: 52.2/49

diff_cav4cX_rms vs Slug



Right In: 431442.981+/-95.301 χ^2/NDF: 2264579.3/21

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 472274.373+/-98.652 χ^2/NDF: 2167193.6/26

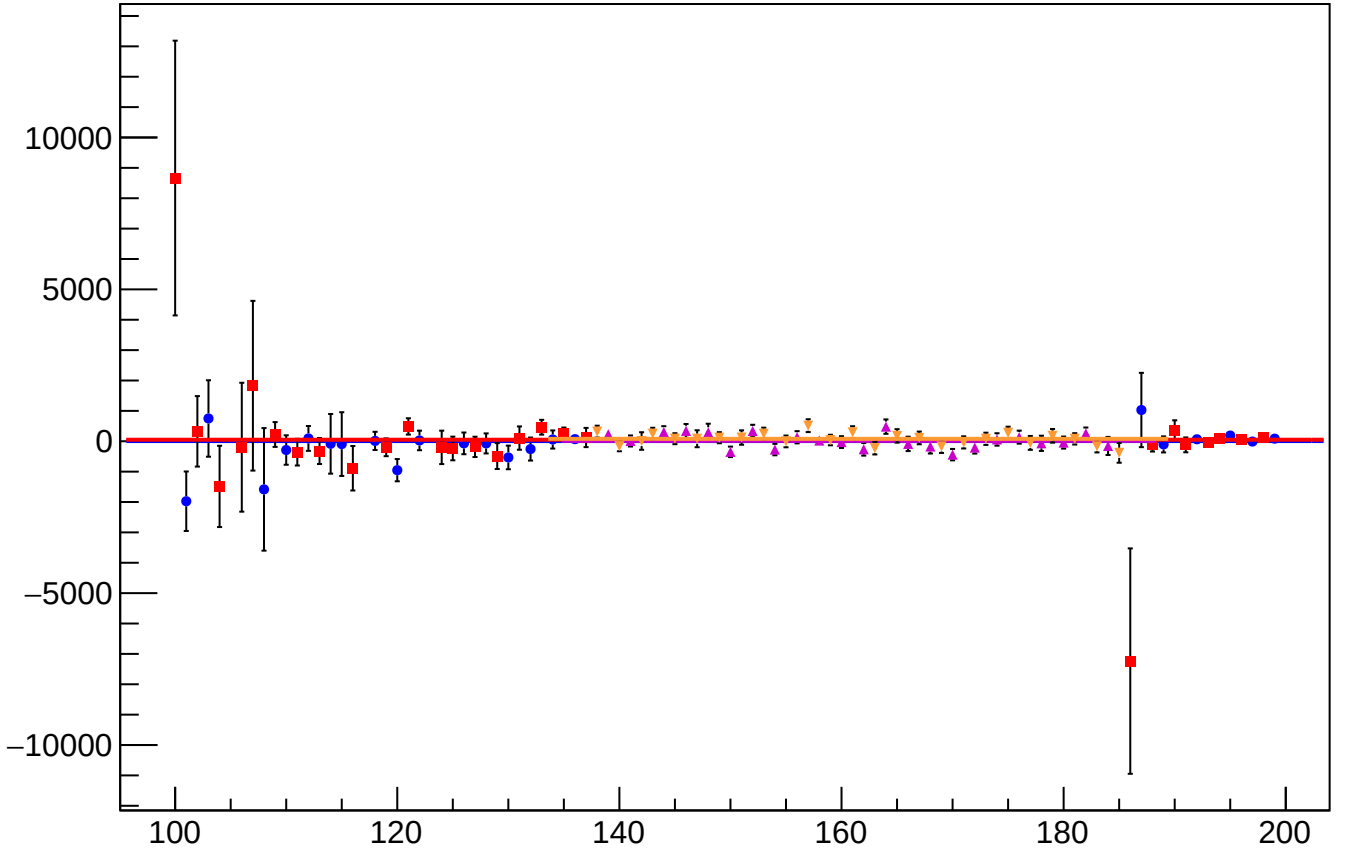
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 269404.620+/-36.242 χ^2/NDF: 6057530.2/46

All: 273350.286+/-26.088 χ^2/NDF: 1316638

- sign 277593.155+/-37.582 χ^2/NDF: 7084257.7/49

diff_cav4cY_mean vs Slug



Right In: 6.467+/-53.931 χ^2/NDF: 17.9/21

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 50.255+/-51.439 χ^2/NDF: 25.9/26

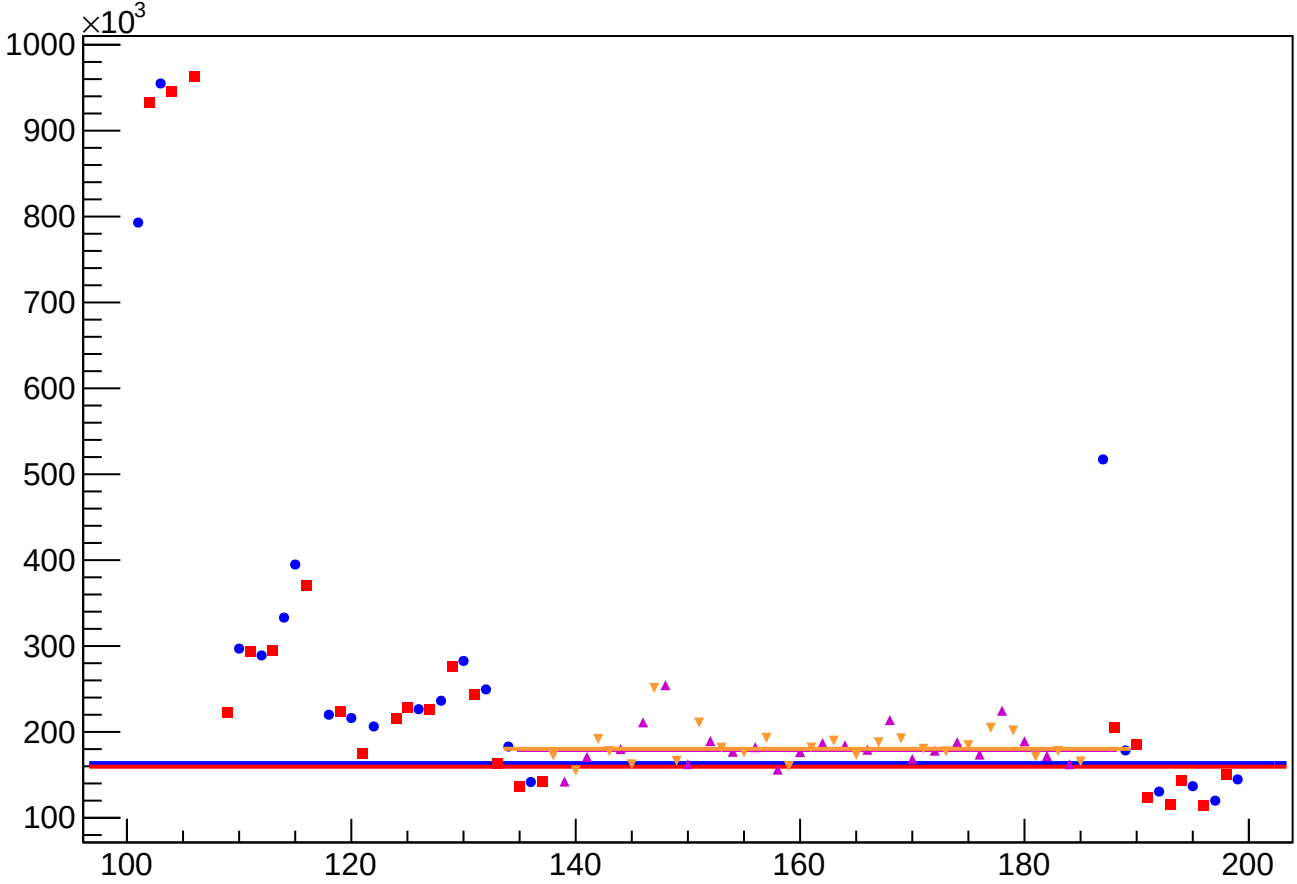
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 52.499+/-32.790 χ^2/NDF: 38.8/46

All: 40.504+/-23.133 χ^2/NDF: 98.4/96

- sign 28.617+/-32.641 χ^2/NDF: 59.3/49

diff_cav4cY_rms vs Slug



Right In: 163711.791+/-38.160 χ^2/NDF: 3115182.7/20

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159538.947+/-36.408 χ^2/NDF: 3223162.8/23

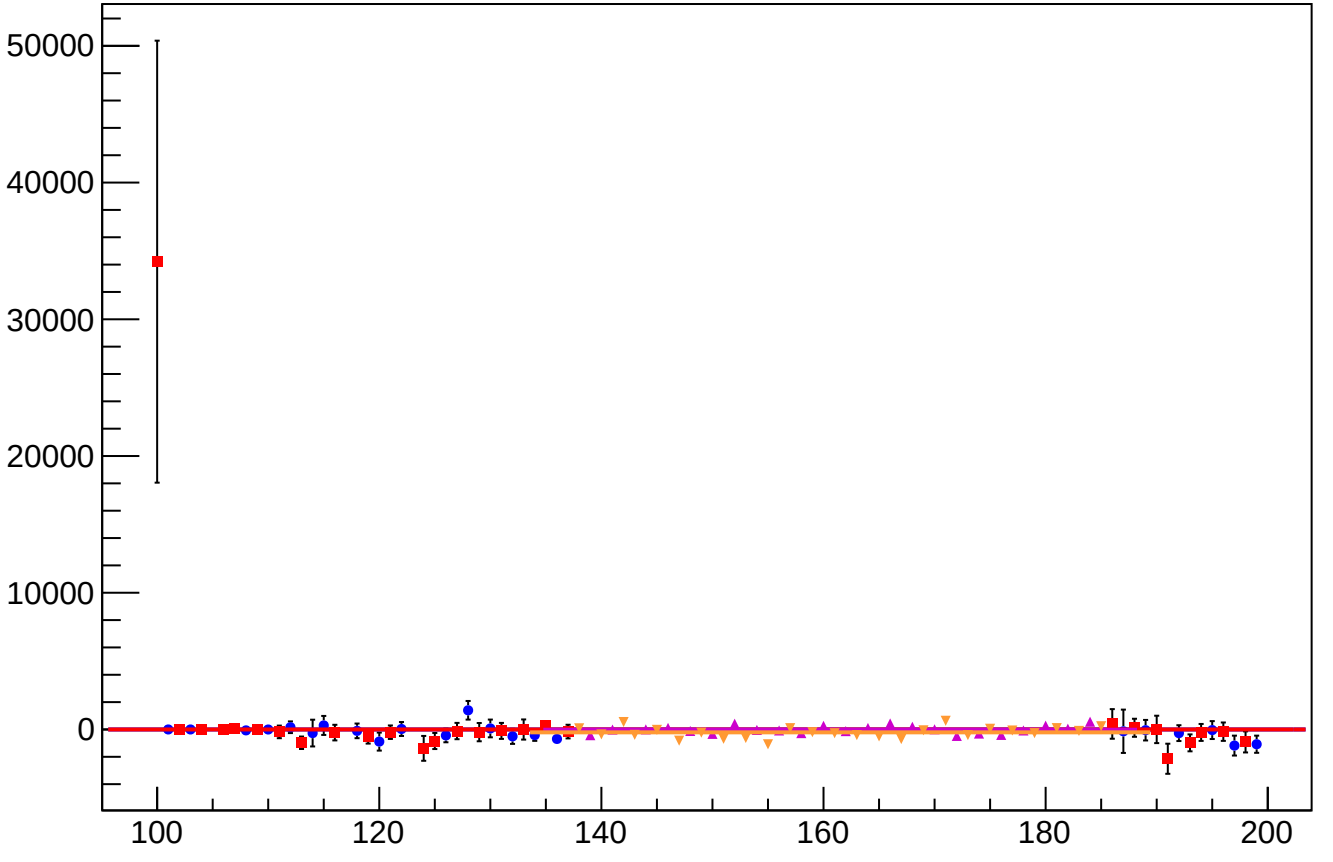
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 174200.014+/-23.192 χ^2/NDF: 3581565.6/45

All: 172686.912+/-16.363 χ^2/NDF: 7485835.

- 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: 23.9/21

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

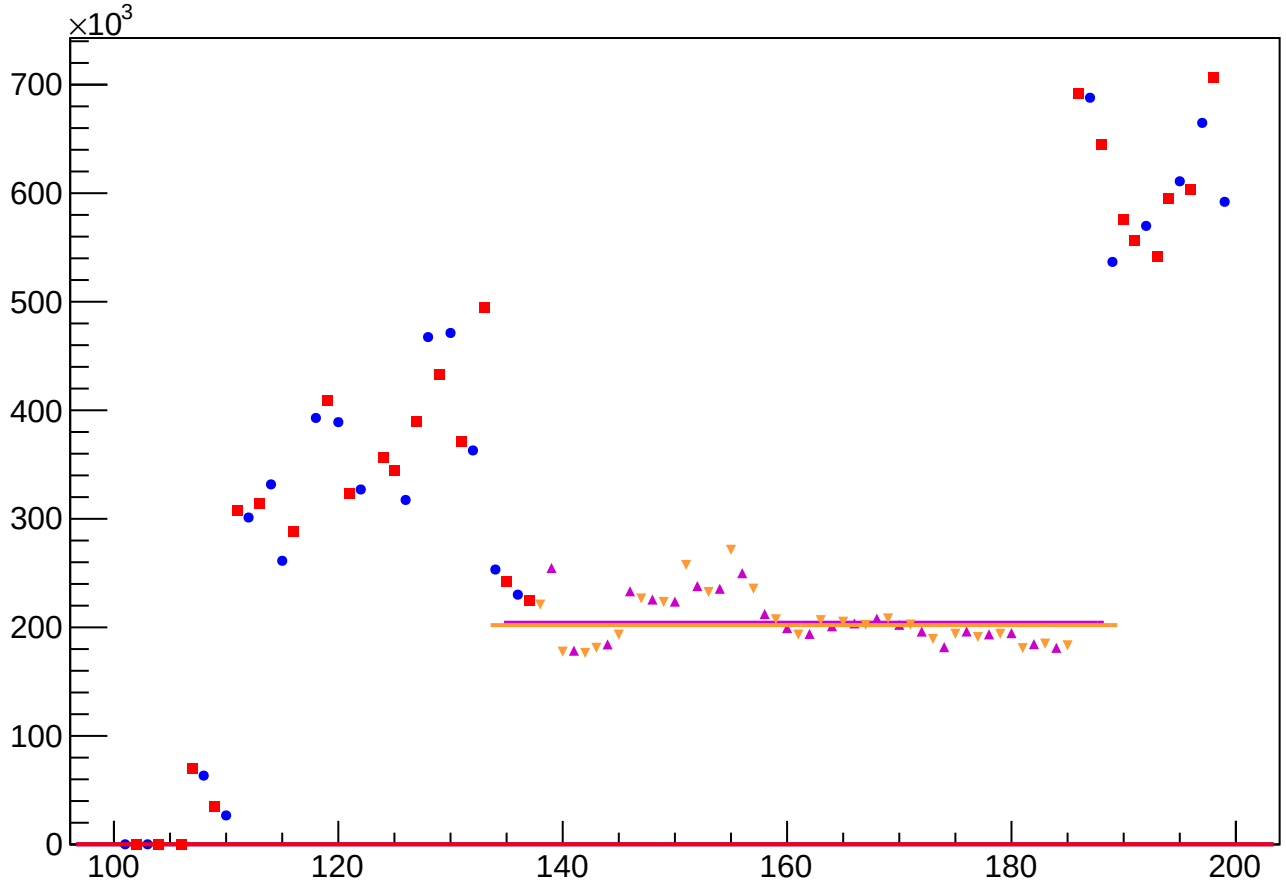
Right Out: -0.355+/-0.160 χ^2/NDF: 24.5/26

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 105.7/46

All: -0.208+/-0.117 χ^2/NDF: 160.8/96

- sign -0.355+/-0.160 χ^2/NDF: 53.3/49



Right In: 149.303+/-0.122 χ^2/NDF: 19824487.0/21

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.599+/-0.113 χ^2/NDF: 21849920.4/25

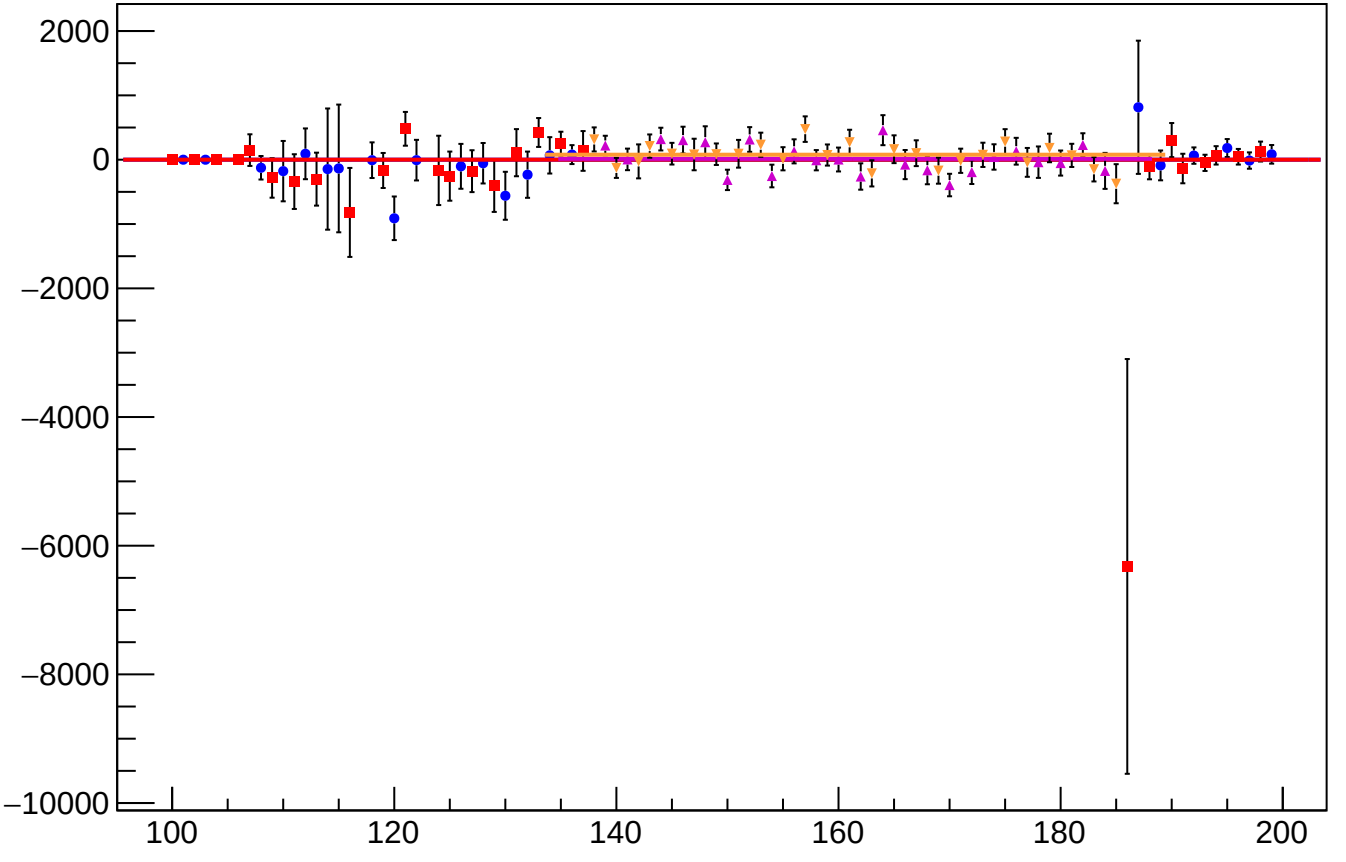
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.100+/-0.122 χ^2/NDF: 58320281.1/46

All: 151.975+/-0.083 χ^2/NDF: 116672907.1/9

- 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: 14.3/21

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

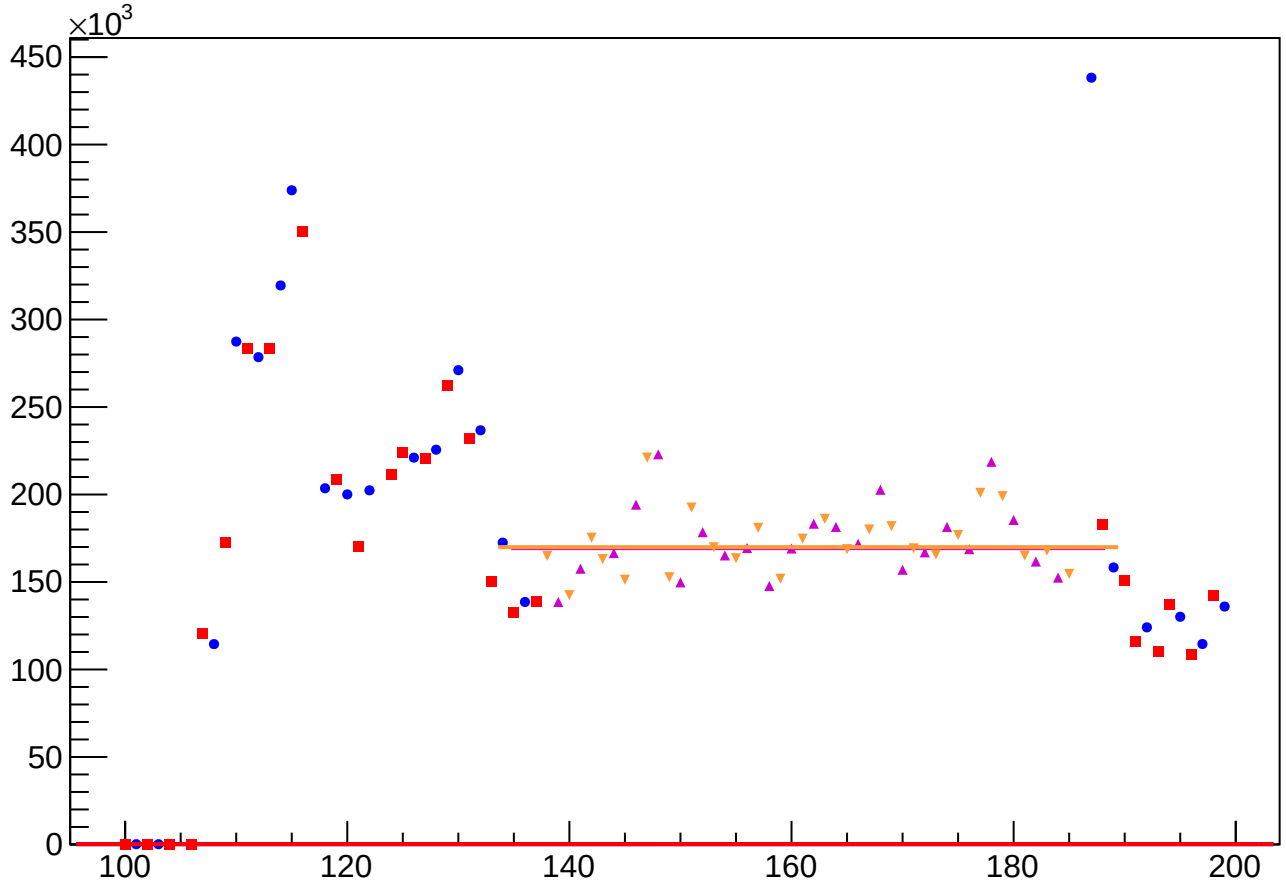
Right Out: 0.126+/-0.166 χ^2/NDF: 22.3/26

Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.066+/-0.177 χ^2/NDF: 37.3/46

All: 0.036+/-0.121 χ^2/NDF: 93.0/96

\- sign 0.126+/-0.166 χ^2/NDF: 55.0/49



Right In: 154.441+/-0.125 χ^2/NDF: 20203983.9/21

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.156+/-0.118 χ^2/NDF: 20869831.7/25

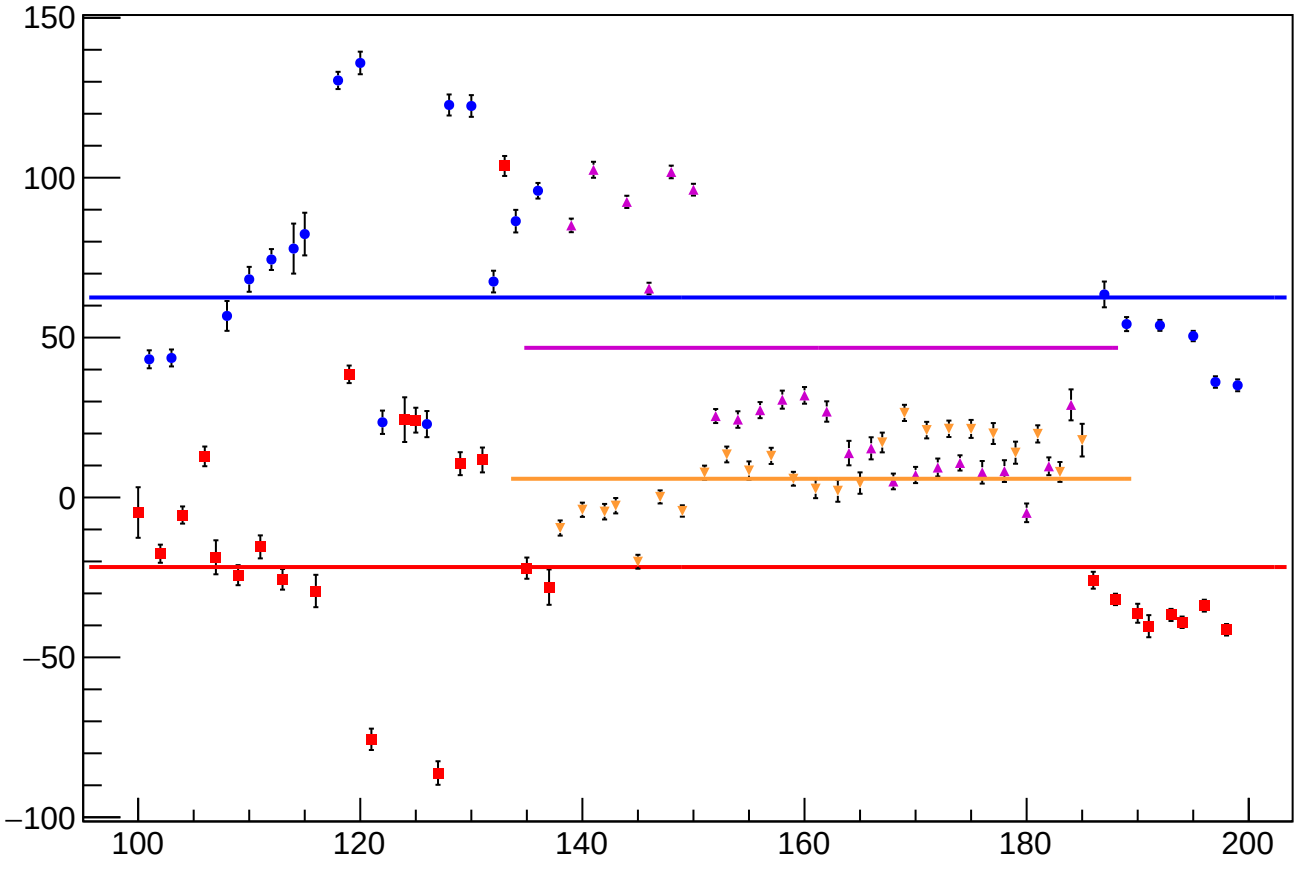
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 157.961+/-0.125 χ^2/NDF: 58615672.9/46

All: 159.096+/-0.086 χ^2/NDF: 115870249.3/9

- sign 160.097+/-0.118 χ^2/NDF: 57254422.1/48

diff_bpm0i01X_mean vs Slug



Right In: 62.542+/-0.580 χ^2/NDF: 2812.7/21

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -21.755+/-0.548 χ^2/NDF: 3583.1/26

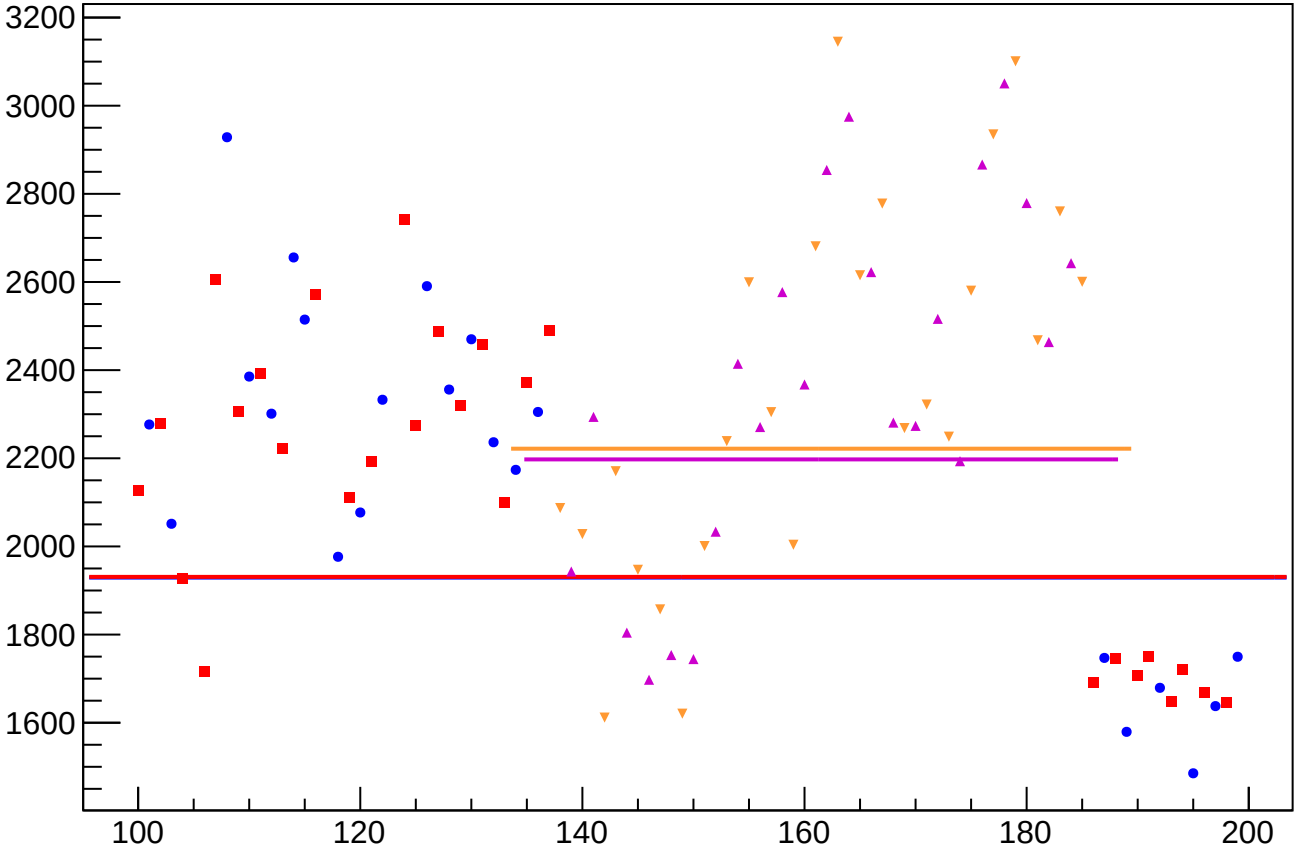
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 30.778+/-0.385 χ^2/NDF: 8697.1/46

All: 22.259+/-0.270 χ^2/NDF: 26593.7/96

\- sign 14.001+/-0.379 χ^2/NDF: 16931.0/49

diff_bpm0i01X_rms vs Slug



Right In: 1929.357+/-0.410 χ^2/NDF: 770042.3/21

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1930.917+/-0.387 χ^2/NDF: 632590.4/26

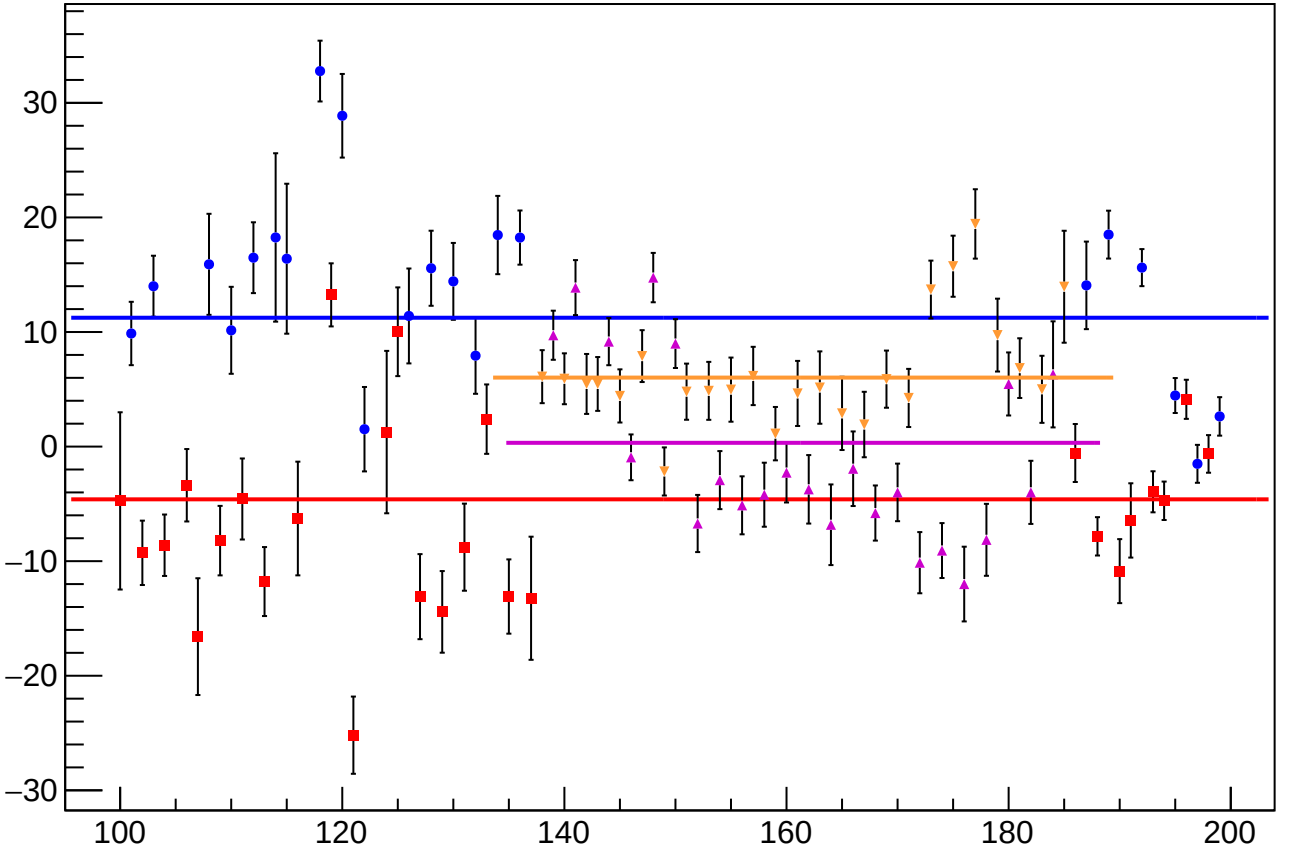
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2093.199+/-0.272 χ^2/NDF: 2238713.4/46

All: 2081.393+/-0.191 χ^2/NDF: 4226812.2/96

- sign 2069.950+/-0.268 χ^2/NDF: 1984390.3/49

diff_bpm0i01Y_mean vs Slug



Right In: 11.246+/-0.554 χ^2/NDF: 245.2/21

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -4.604+/-0.524 χ^2/NDF: 184.7/26

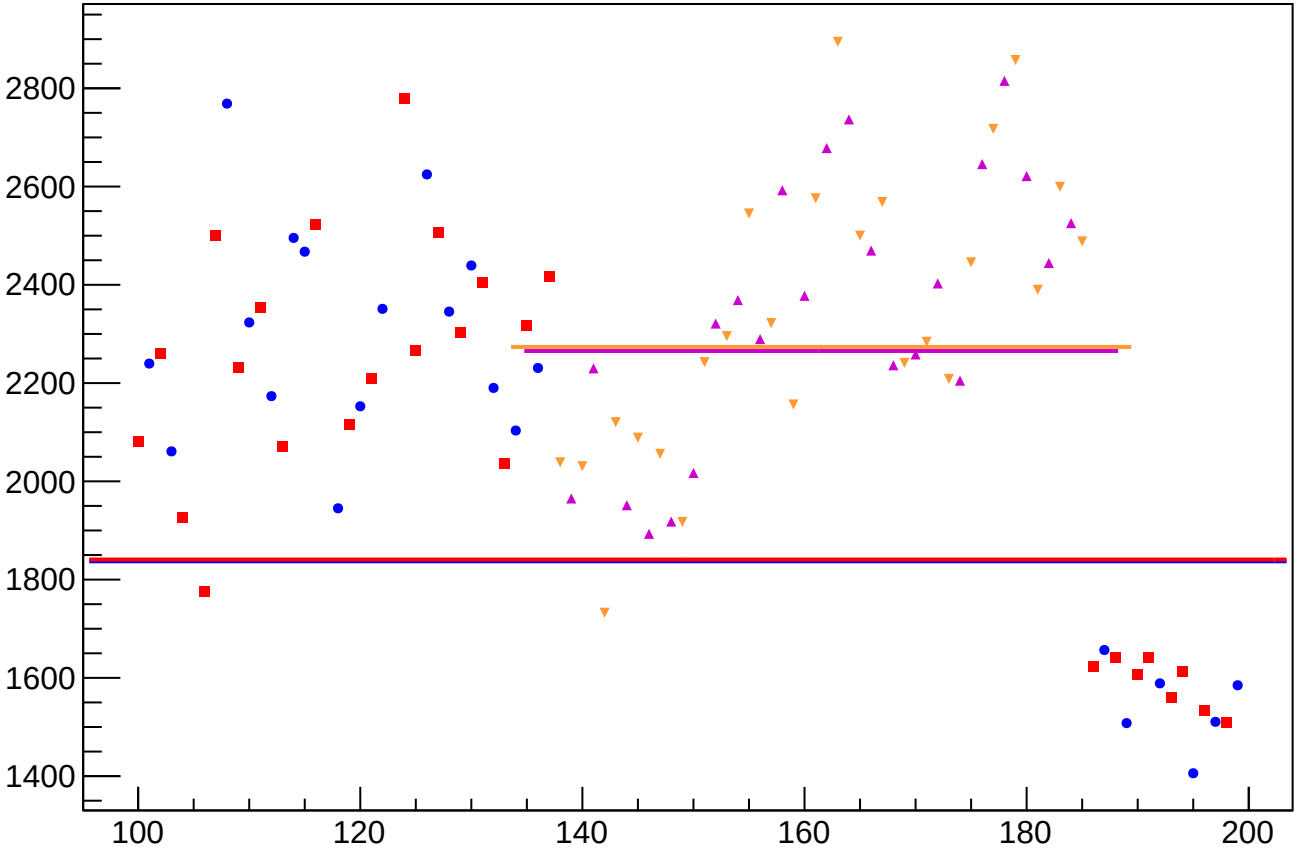
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.471+/-0.380 χ^2/NDF: 364.1/46

All: 3.065+/-0.266 χ^2/NDF: 1217.2/96

- sign -2.188+/-0.374 χ^2/NDF: 453.1/49

diff_bpm0i01Y_rms vs Slug



Right In: 1837.258+/-0.392 χ^2/NDF: 953164.2/21

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1840.845+/-0.370 χ^2/NDF: 824614.3/26

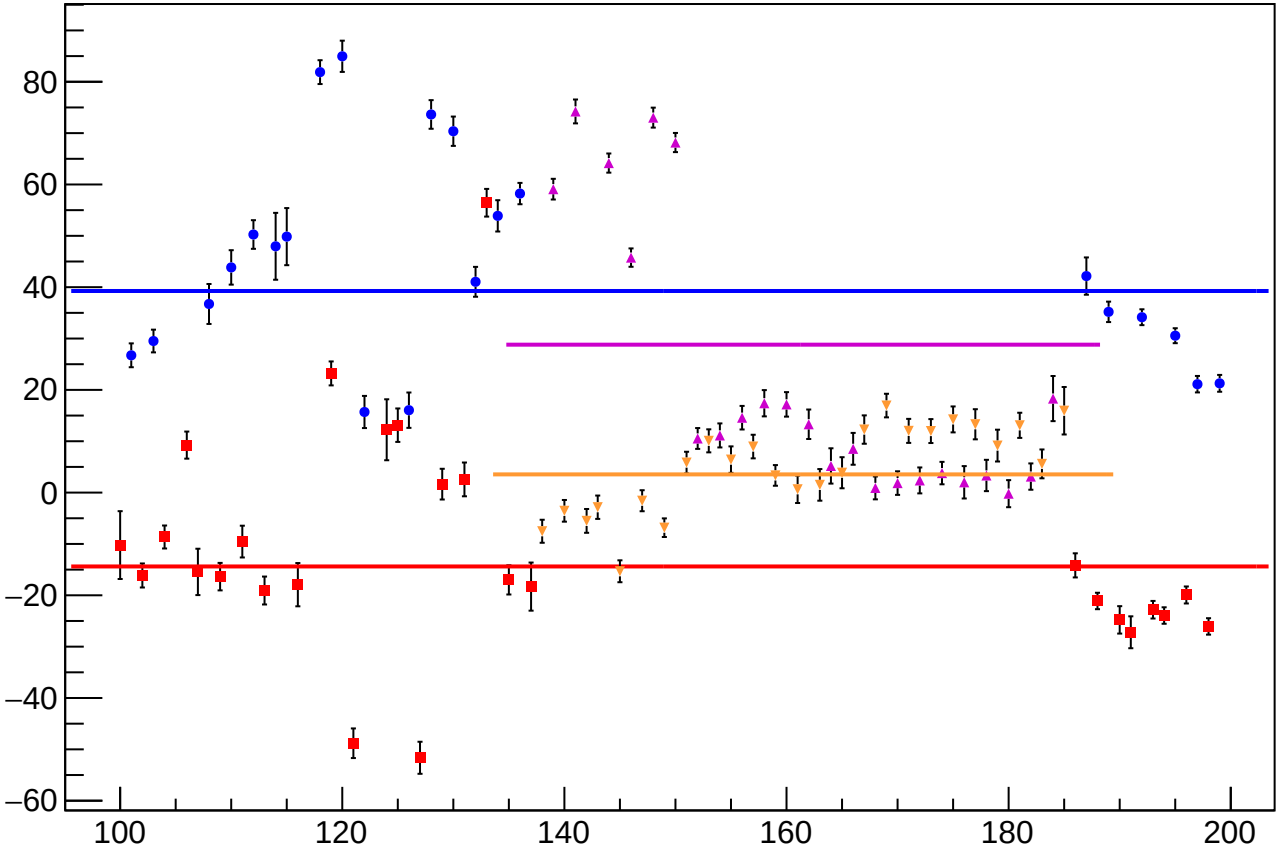
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2069.035+/-0.268 χ^2/NDF: 2148181.8/46

All: 2058.729+/-0.188 χ^2/NDF: 4114702.2/96

- sign 2048.718+/-0.265 χ^2/NDF: 1963613.9/49

diff_bpm0i01aX_mean vs Slug



Right In: 39.258+/-0.507 χ^2/NDF: 1413.8/21

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -14.385+/-0.478 χ^2/NDF: 1651.5/26

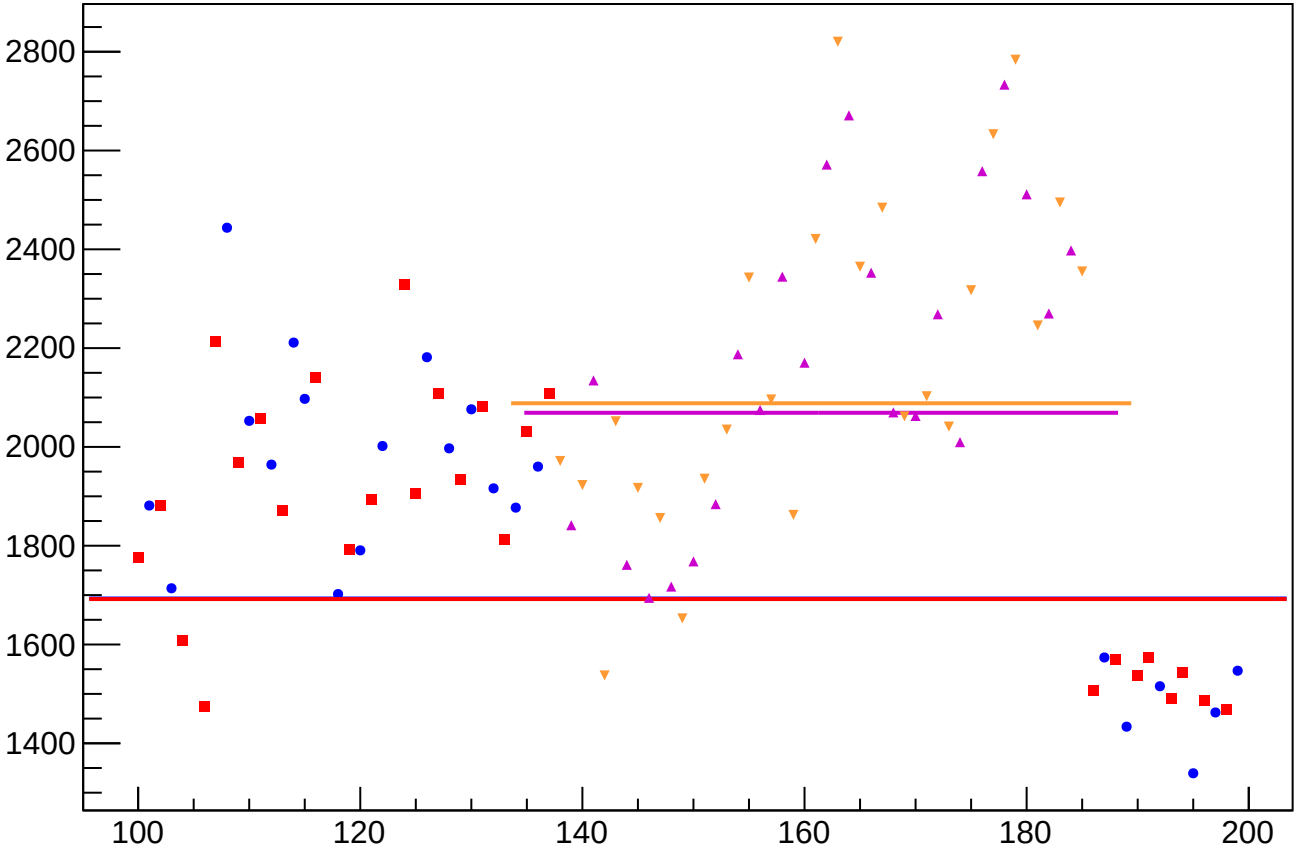
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 20.453+/-0.349 χ^2/NDF: 4351.6/46

All: 13.425+/-0.244 χ^2/NDF: 14038.3/96

- sign 6.638+/-0.342 χ^2/NDF: 8887.3/49

diff_bpm0i01aX_rms vs Slug



Right In: 1693.080+/-0.358 χ^2/NDF: 564446.6/21

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1691.997+/-0.338 χ^2/NDF: 456177.0/26

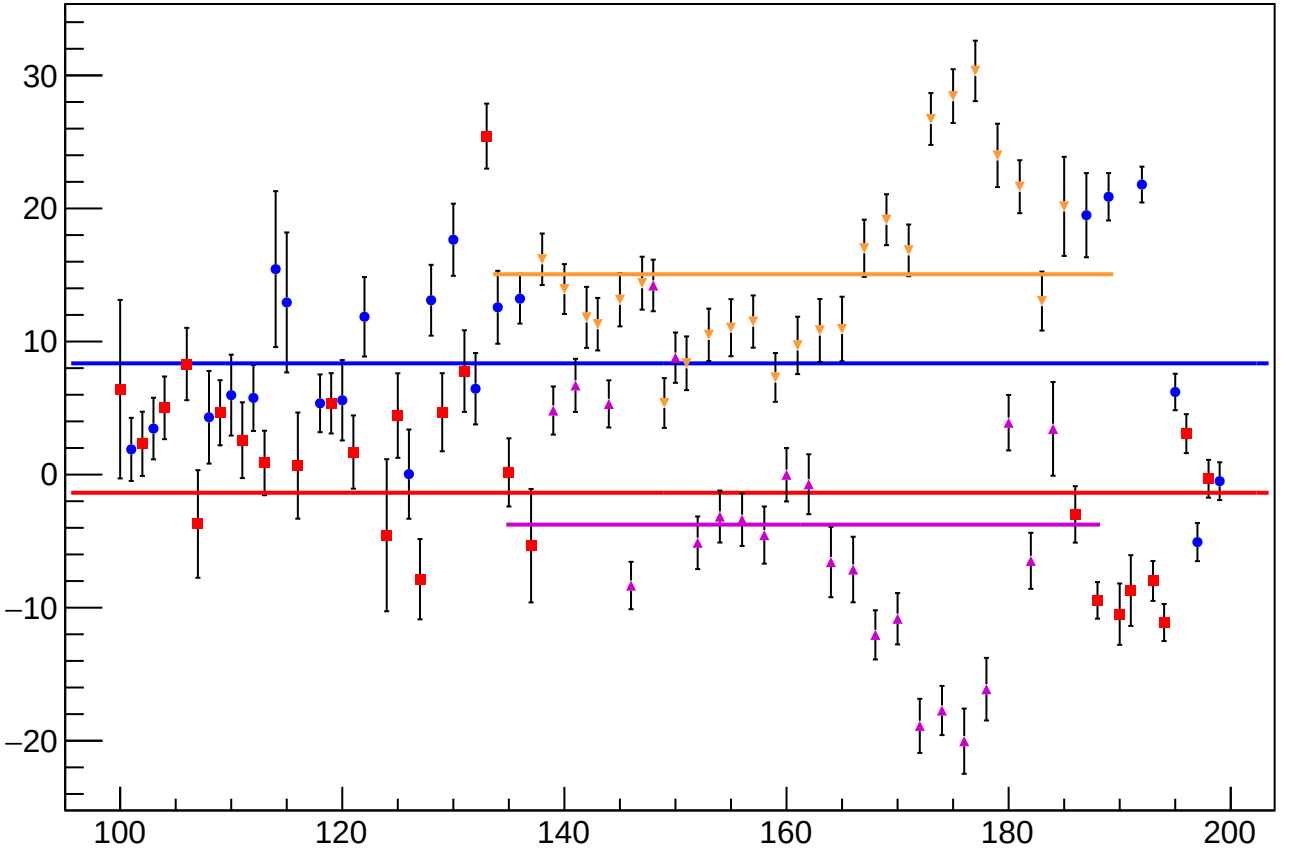
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

\+ sign 1901.215+/-0.246 χ^2/NDF: 1993249.0/46

All: 1888.166+/-0.173 χ^2/NDF: 3772322.9/96

\- sign 1875.566+/-0.242 χ^2/NDF: 1773562.8/49

diff_bpm0i01aY_mean vs Slug



Right In: 8.360+/-0.465 χ^2/NDF: 342.6/21

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -1.364+/-0.436 χ^2/NDF: 323.2/26

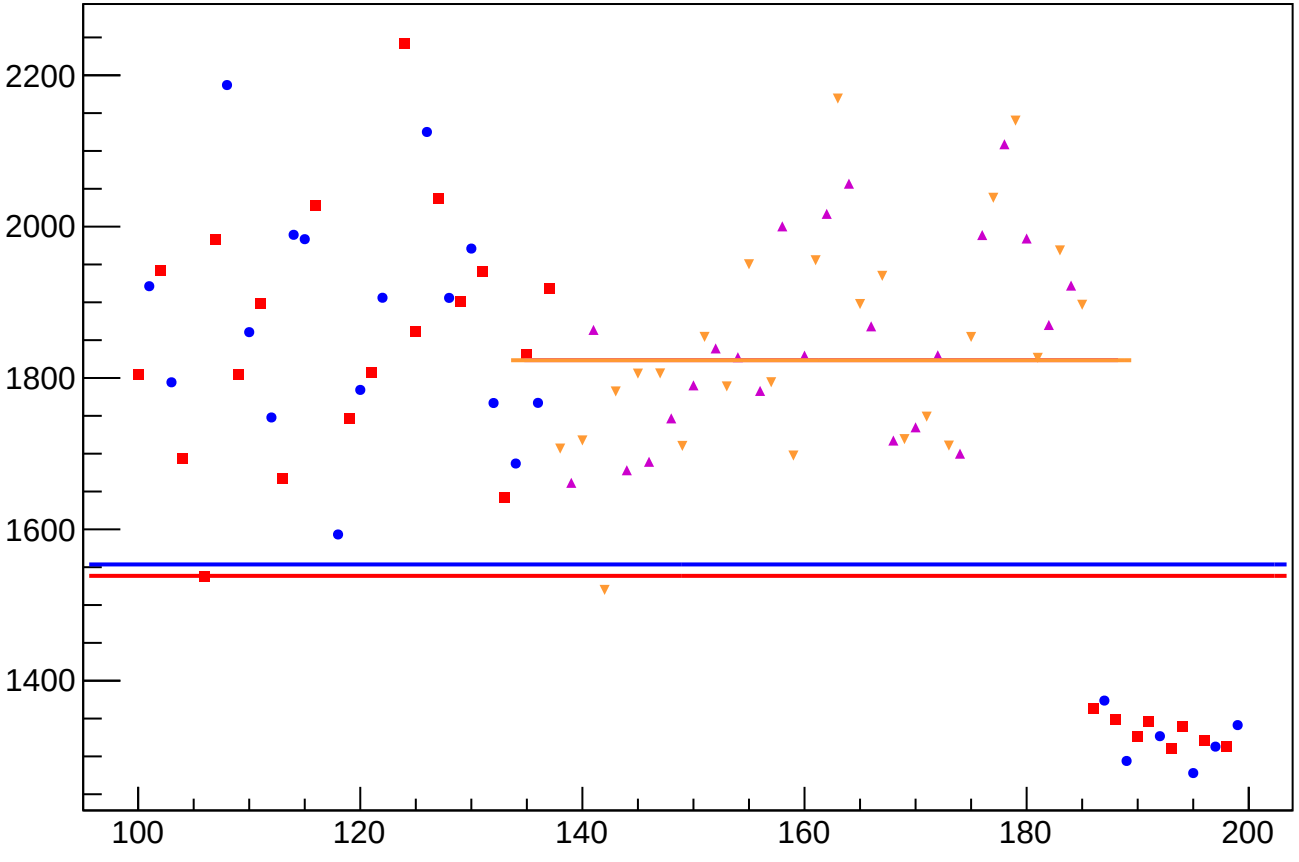
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 12.083+/-0.310 χ^2/NDF: 704.1/46

All: 4.640+/-0.218 χ^2/NDF: 2638.0/96

- sign -2.584+/-0.305 χ^2/NDF: 797.6/49

diff_bpm0i01aY_rms vs Slug



Right In: 1553.641+/-0.329 χ^2/NDF: 704946.2/21

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1538.549+/-0.308 χ^2/NDF: 696093.6/26

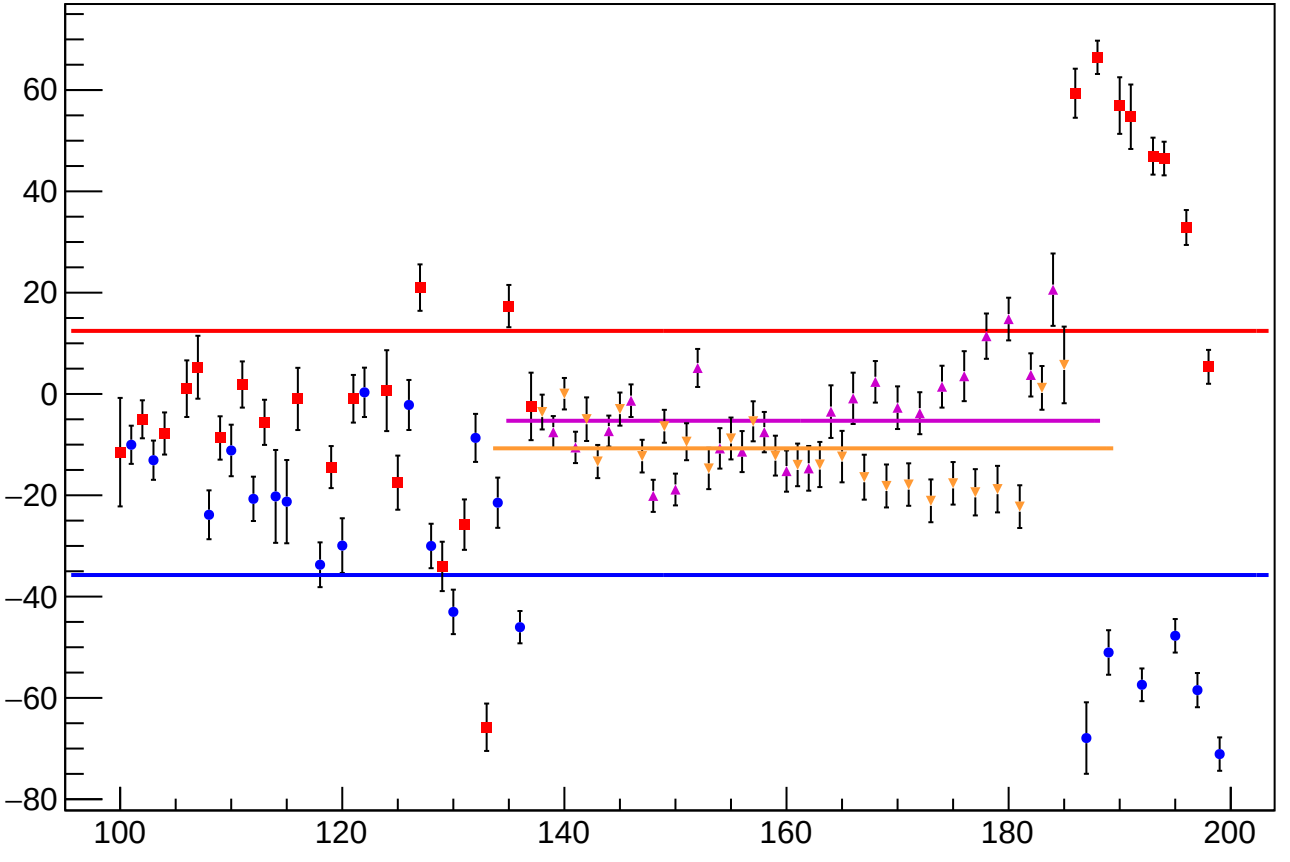
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1703.642+/-0.219 χ^2/NDF: 1290371.1/46

All: 1693.551+/-0.154 χ^2/NDF: 2590114.2/96

- sign 1683.758+/-0.216 χ^2/NDF: 1295565.8/49

diff_bpm0l01X_mean vs Slug



Right In: -35.741+/-0.916 χ^2/NDF: 537.4/21

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 12.453+/-0.872 χ^2/NDF: 1335.6/26

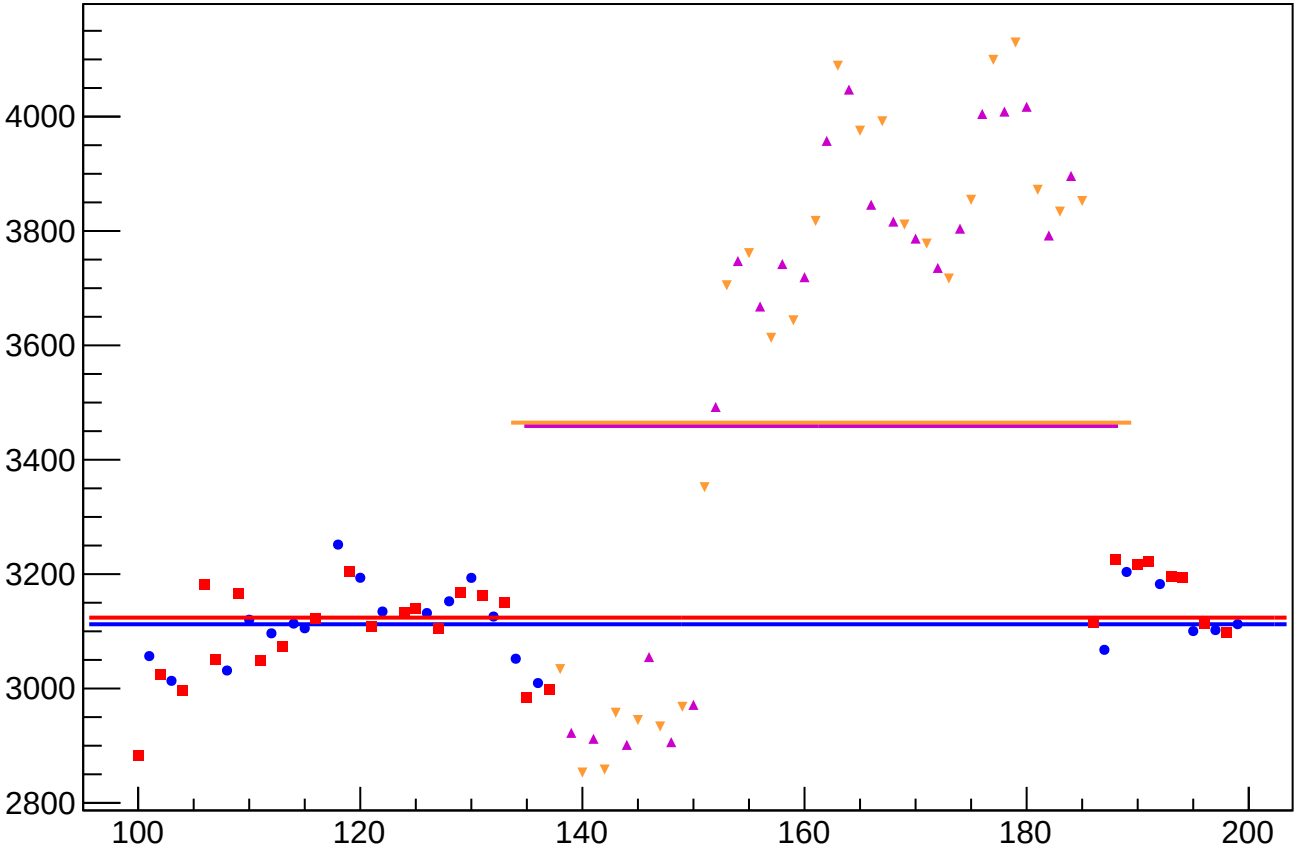
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -21.461+/-0.600 χ^2/NDF: 1037.0/46

All: -9.143+/-0.422 χ^2/NDF: 3564.0/96

- sign 2.978+/-0.595 χ^2/NDF: 1690.4/49

diff_bpm0l01X_rms vs Slug



Right In: 3112.356+/-0.648 χ^2/NDF: 10026.1/21

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3123.950+/-0.616 χ^2/NDF: 14644.3/26

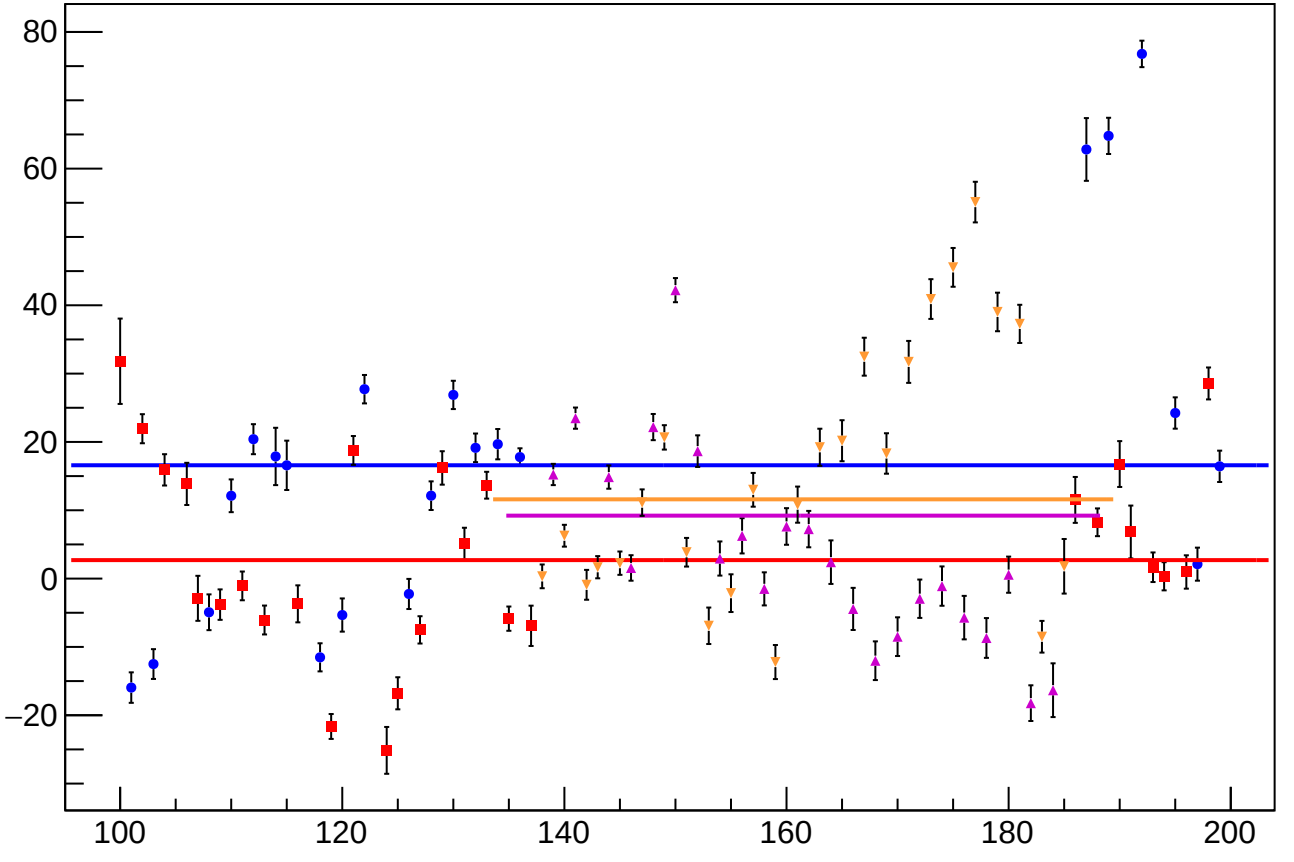
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3313.664+/-0.424 χ^2/NDF: 823282.5/46

All: 3308.235+/-0.299 χ^2/NDF: 1579391.7/96

- sign 3302.892+/-0.421 χ^2/NDF: 755784.1/49

diff_bpm0l01Y_mean vs Slug



Right In: 16.587+/-0.476 χ^2/NDF: 2313.1/21

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 2.704+/-0.457 χ^2/NDF: 838.5/26

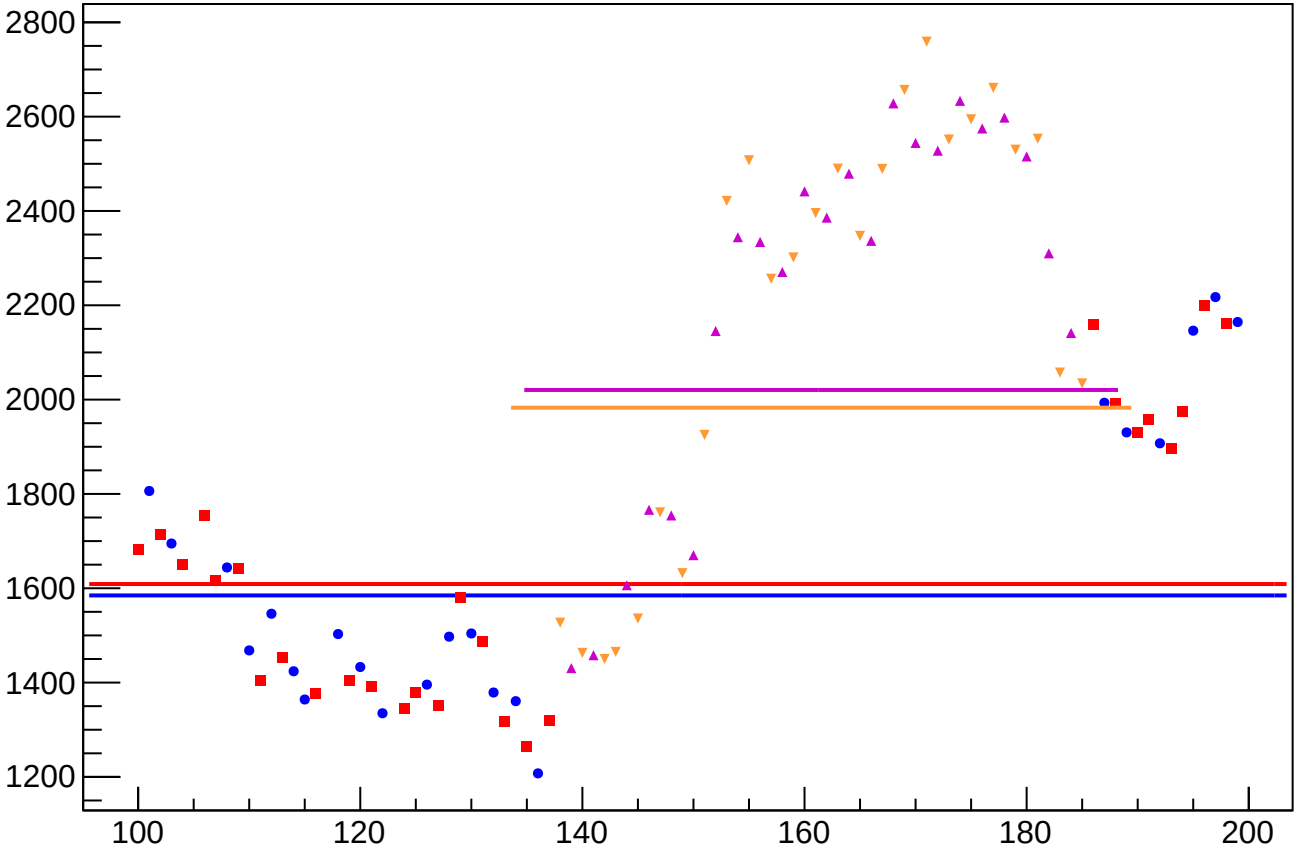
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 14.028+/-0.332 χ^2/NDF: 3566.5/46

All: 9.903+/-0.235 χ^2/NDF: 5750.4/96

- sign 5.772+/-0.332 χ^2/NDF: 1874.8/49

diff_bpm0l01Y_rms vs Slug



Right In: 1584.759+/-0.336 χ^2/NDF: 804945.5/21

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1608.928+/-0.323 χ^2/NDF: 797281.4/26

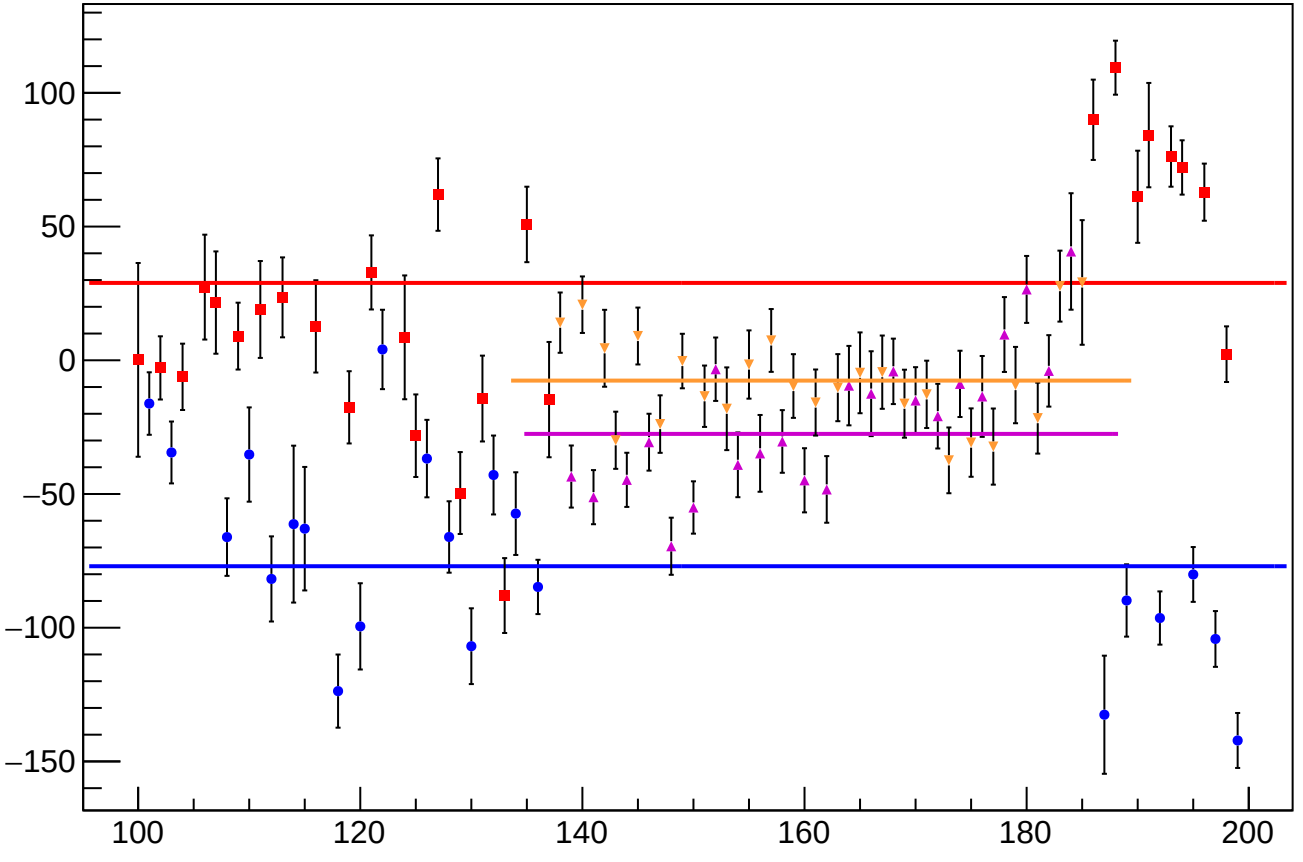
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1788.990+/-0.235 χ^2/NDF: 3501447.9/46

All: 1795.940+/-0.166 χ^2/NDF: 6680221.4/96

- sign 1802.900+/-0.235 χ^2/NDF: 3177018.6/49

diff_bpm0l02X_mean vs Slug



Right In: -77.008+/-2.850 χ^2/NDF: 169.4/21

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 28.930+/-2.717 χ^2/NDF: 305.9/26

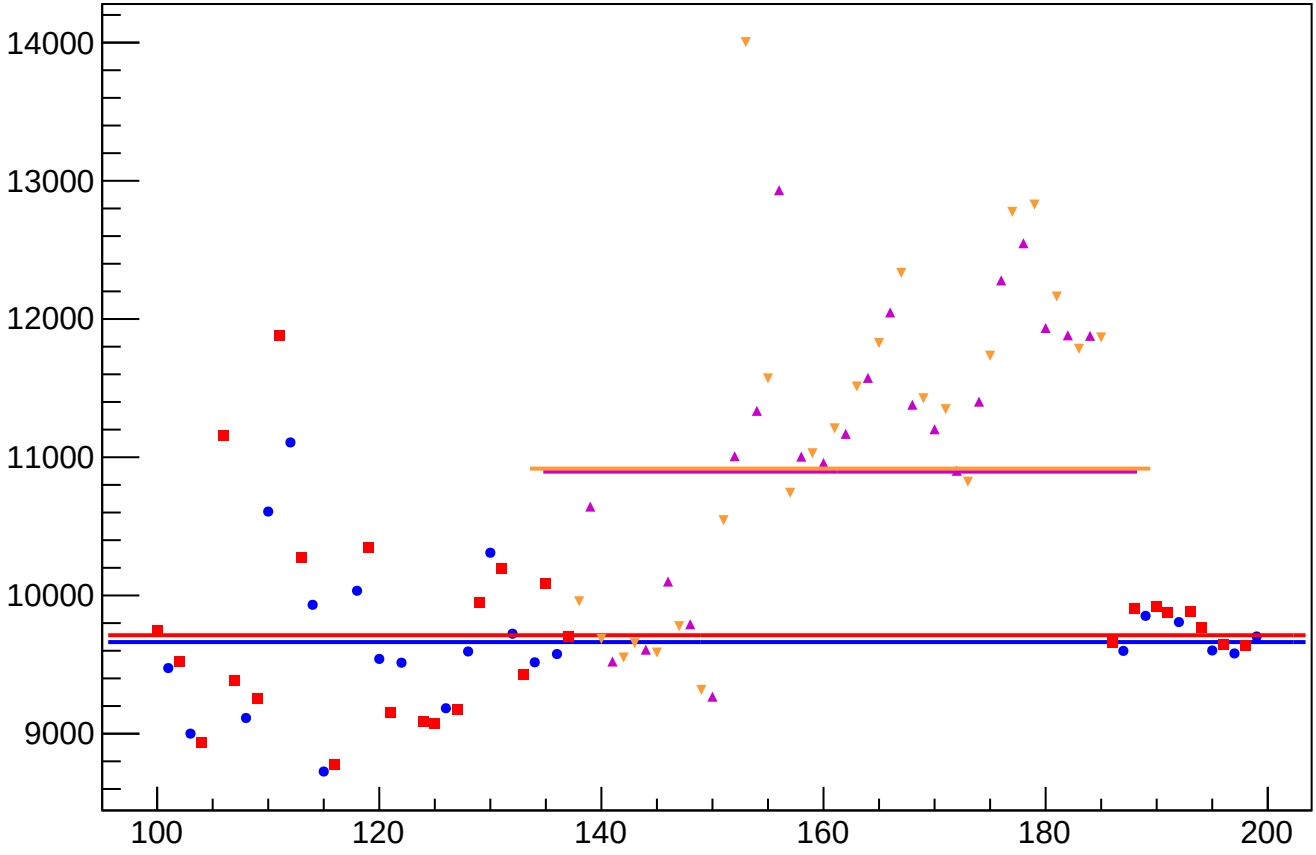
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -37.710+/-1.877 χ^2/NDF: 553.2/46

All: -19.213+/-1.322 χ^2/NDF: 1373.6/96

- sign -1.017+/-1.862 χ^2/NDF: 627.9/49

diff_bpm0l02X_rms vs Slug



Right In: 9662.733+/-2.015 χ^2/NDF: 45212.8/21

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9712.157+/-1.921 χ^2/NDF: 82076.6/26

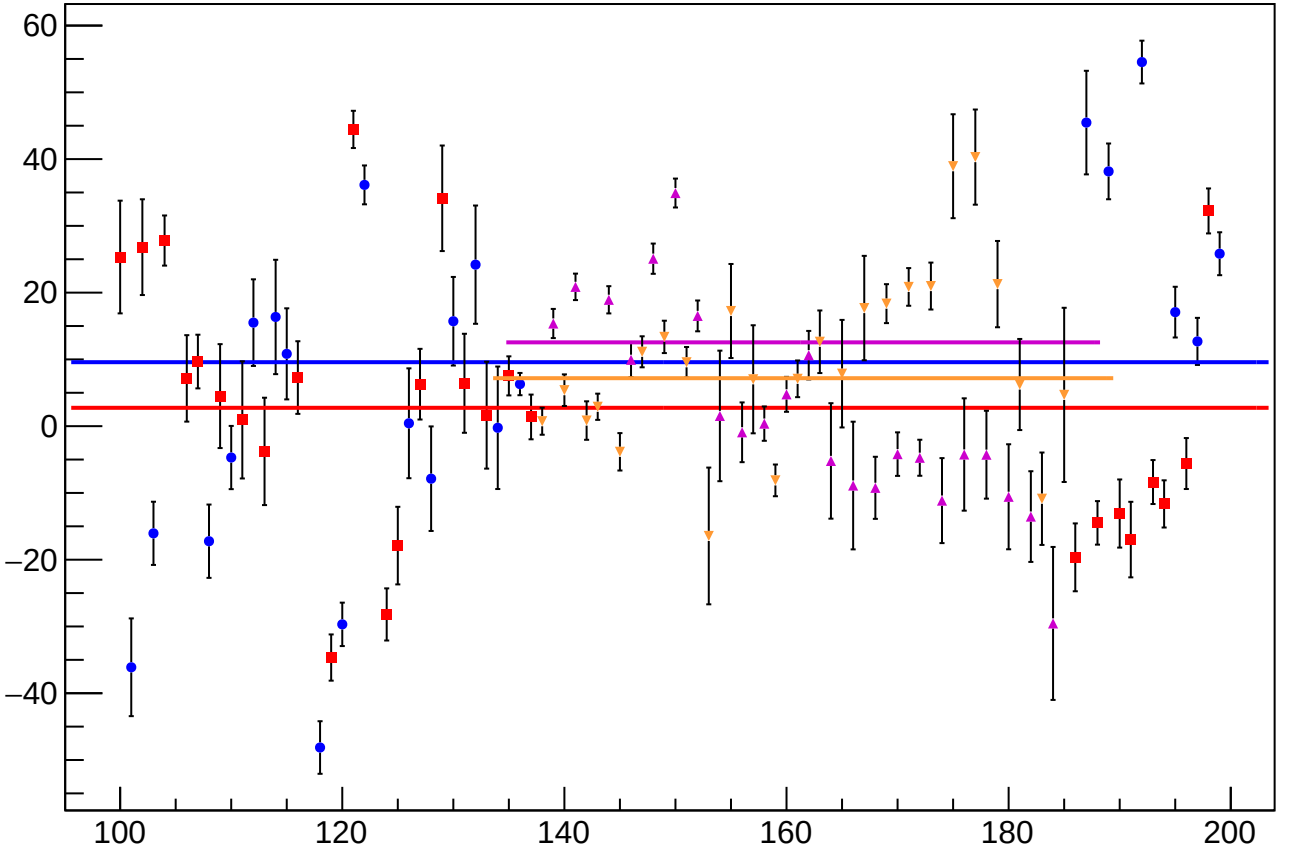
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10373.225+/-1.327 χ^2/NDF: 690585.3/46

All: 10356.529+/-0.935 χ^2/NDF: 1272418.4/9

- sign 10340.106+/-1.317 χ^2/NDF: 581519.3/49

diff_bpm0l02Y_mean vs Slug



Right In: 9.583+/-0.866 χ^2/NDF: 856.8/21

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 2.750+/-0.845 χ^2/NDF: 681.4/26

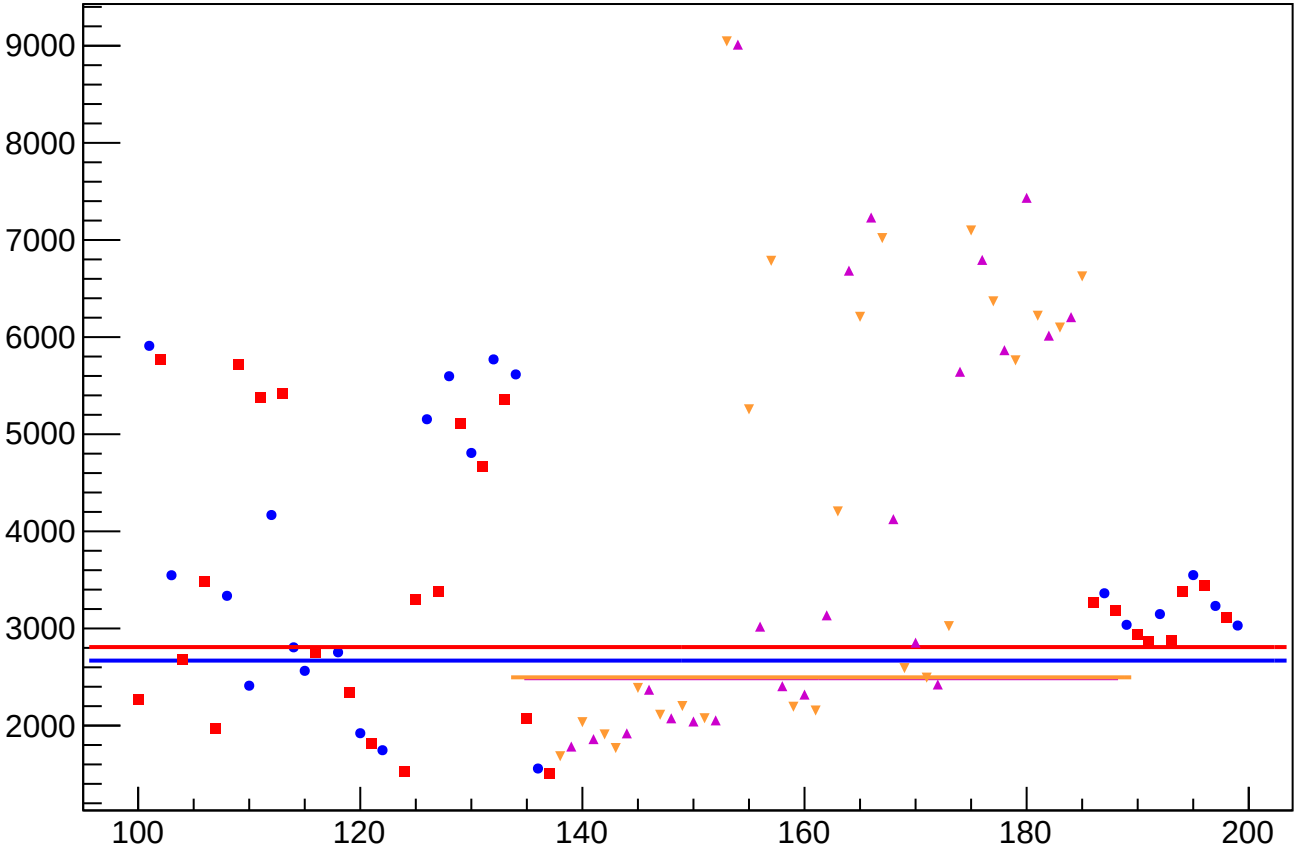
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 8.055+/-0.522 χ^2/NDF: 1063.4/46

All: 8.447+/-0.368 χ^2/NDF: 2201.5/96

- sign 8.837+/-0.520 χ^2/NDF: 1137.0/49

diff_bpm0l02Y_rms vs Slug



Right In: 2669.111+/-0.612 χ^2/NDF: 3181562.8/21

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2808.407+/-0.598 χ^2/NDF: 2761253.4/26

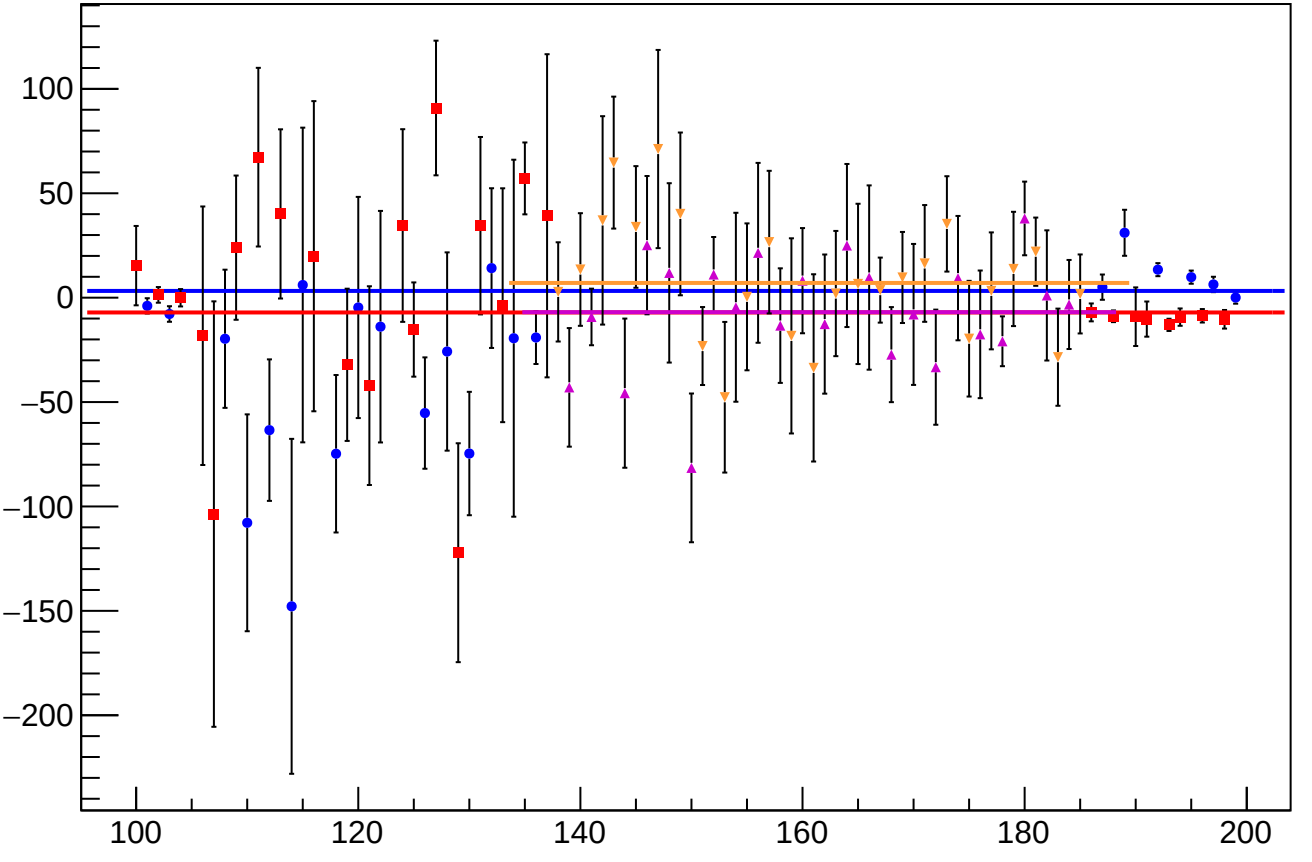
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2559.326+/-0.369 χ^2/NDF: 10437826.7/46

All: 2584.361+/-0.261 χ^2/NDF: 19490426.6/9

- sign 2609.278+/-0.368 χ^2/NDF: 9043411.8/49

diff_bpm0l03X_mean vs Slug



Right In: 3.230+/-1.304 χ^2/NDF: 68.2/21

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -7.086+/-1.225 χ^2/NDF: 52.6/26

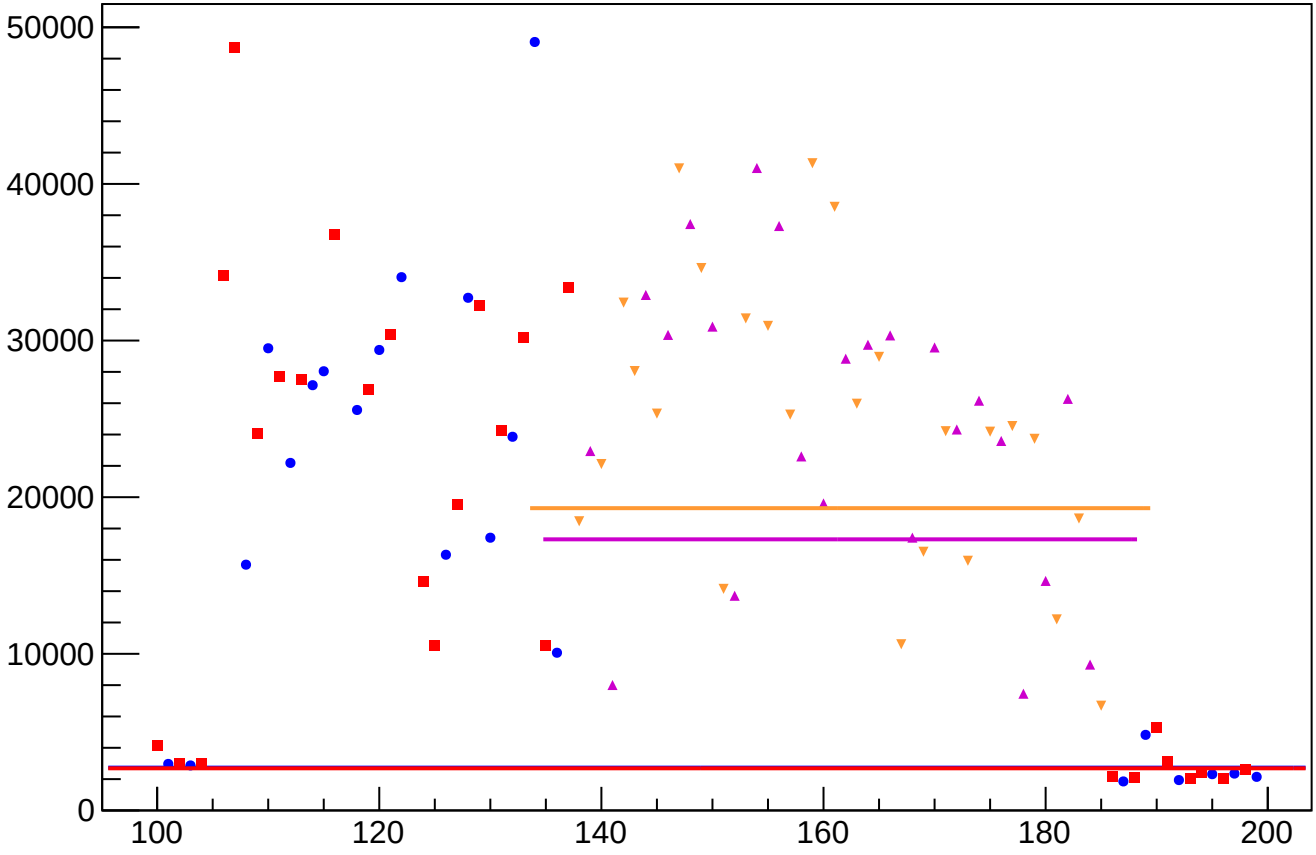
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 3.455+/-1.265 χ^2/NDF: 88.3/46

All: -2.130+/-0.867 χ^2/NDF: 198.7/96

- sign -7.079+/-1.191 χ^2/NDF: 73.7/49

diff_bpm0l03X_rms vs Slug



Right In: 2733.542+/-0.922 χ^2/NDF: 7855310.3/21

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2690.839+/-0.866 χ^2/NDF: 8796201.7/26

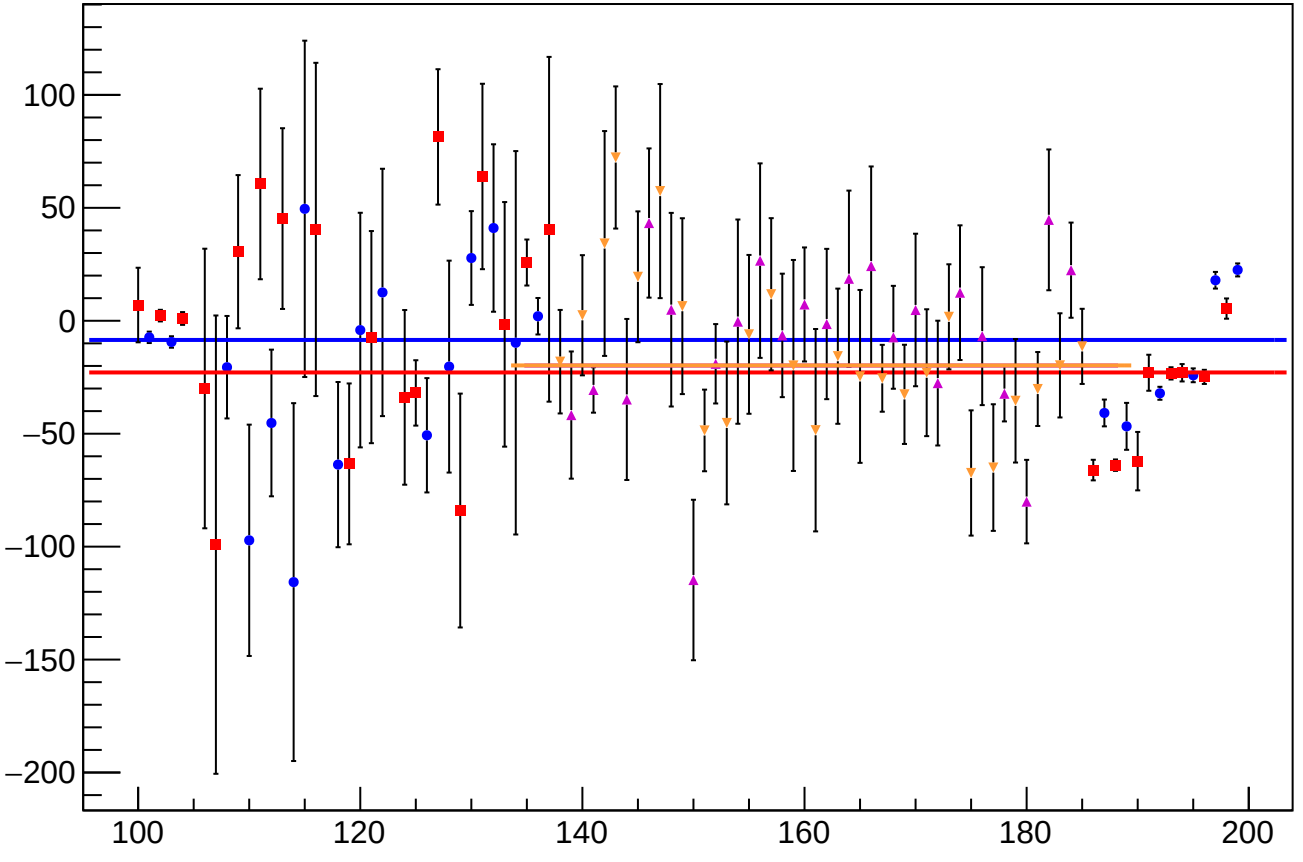
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3704.237+/-0.895 χ^2/NDF: 31800262.4/46

All: 3591.373+/-0.613 χ^2/NDF: 62936355.4/9

- sign 3491.352+/-0.842 χ^2/NDF: 31106082.5/49

diff_bpm0l03Y_mean vs Slug



Right In: -8.492+/-1.120 χ^2/NDF: 323.0/21

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

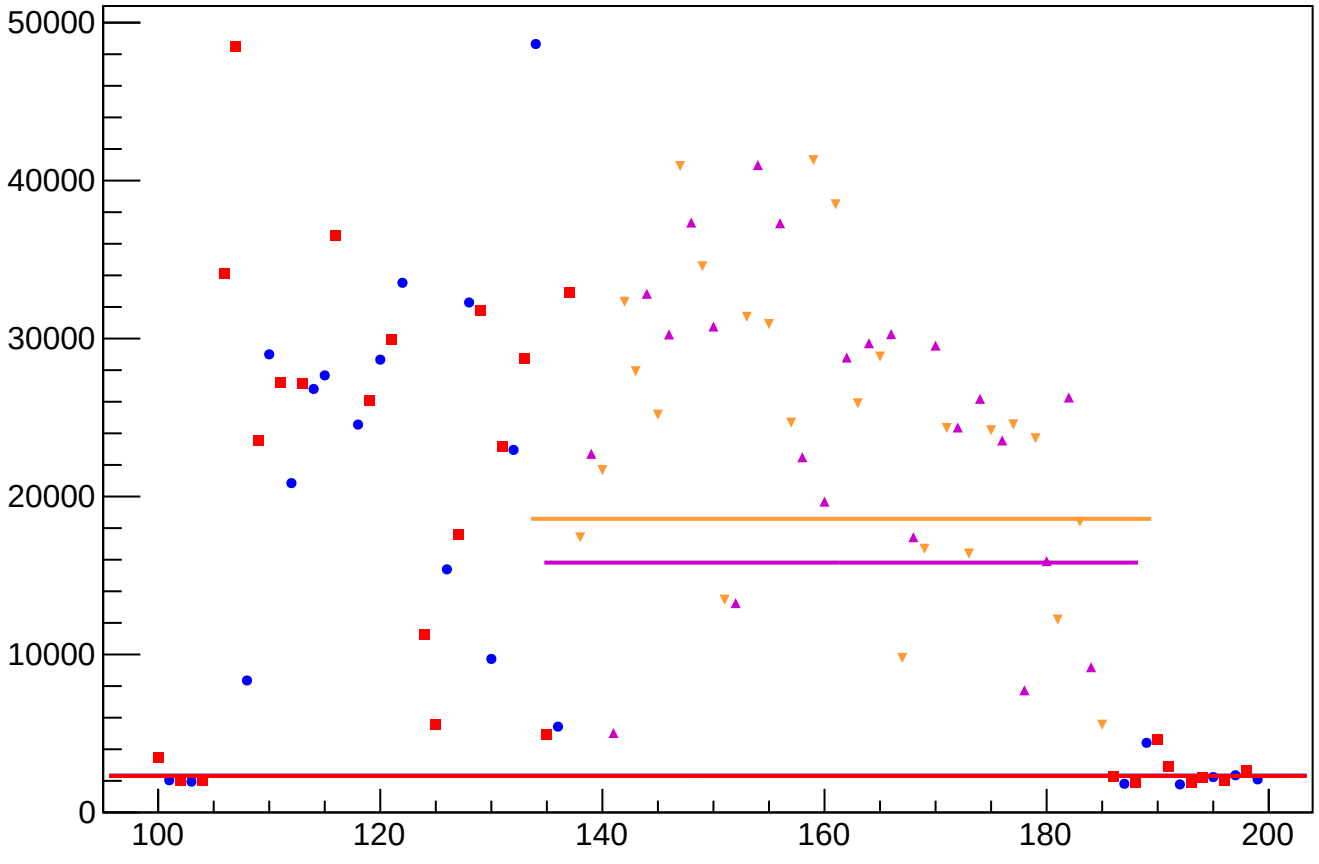
Right Out: -22.882+/-1.064 χ^2/NDF: 627.4/26

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -9.008+/-1.094 χ^2/NDF: 355.4/46

All: -16.226+/-0.754 χ^2/NDF: 1106.3/96

- sign -22.741+/-1.040 χ^2/NDF: 668.1/49



Right In: 2331.426+/-0.792 χ^2/NDF: 7025374.0/21

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2311.772+/-0.753 χ^2/NDF: 8312424.9/26

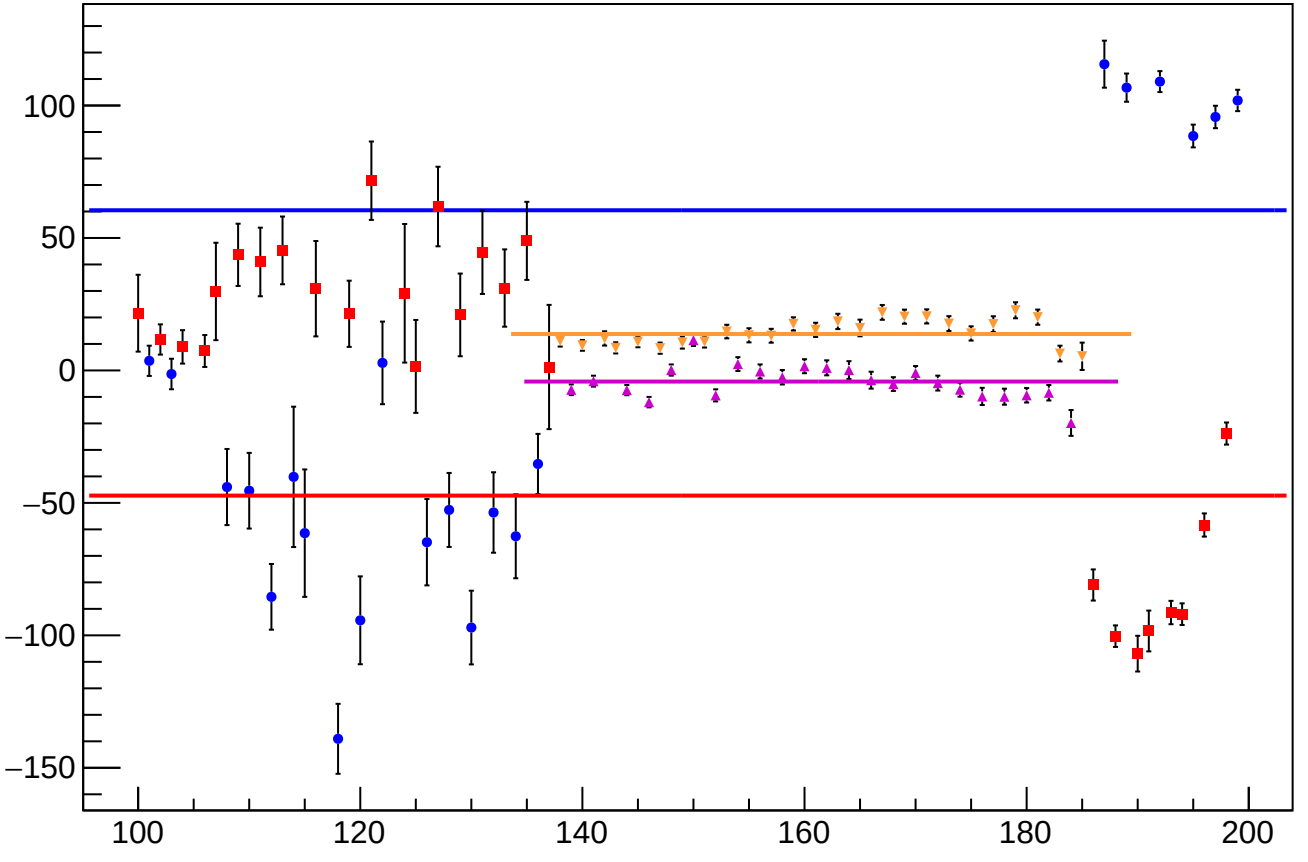
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 3075.090+/-0.774 χ^2/NDF: 31991843.5/46

All: 3000.649+/-0.533 χ^2/NDF: 63551116.9/9

- sign 2933.465+/-0.735 χ^2/NDF: 31541666.3/49

diff_bpm0l04X_mean vs Slug



Right In: 60.461+/-1.567 χ^2/NDF: 1752.6/21

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -47.248+/-1.411 χ^2/NDF: 1362.5/26

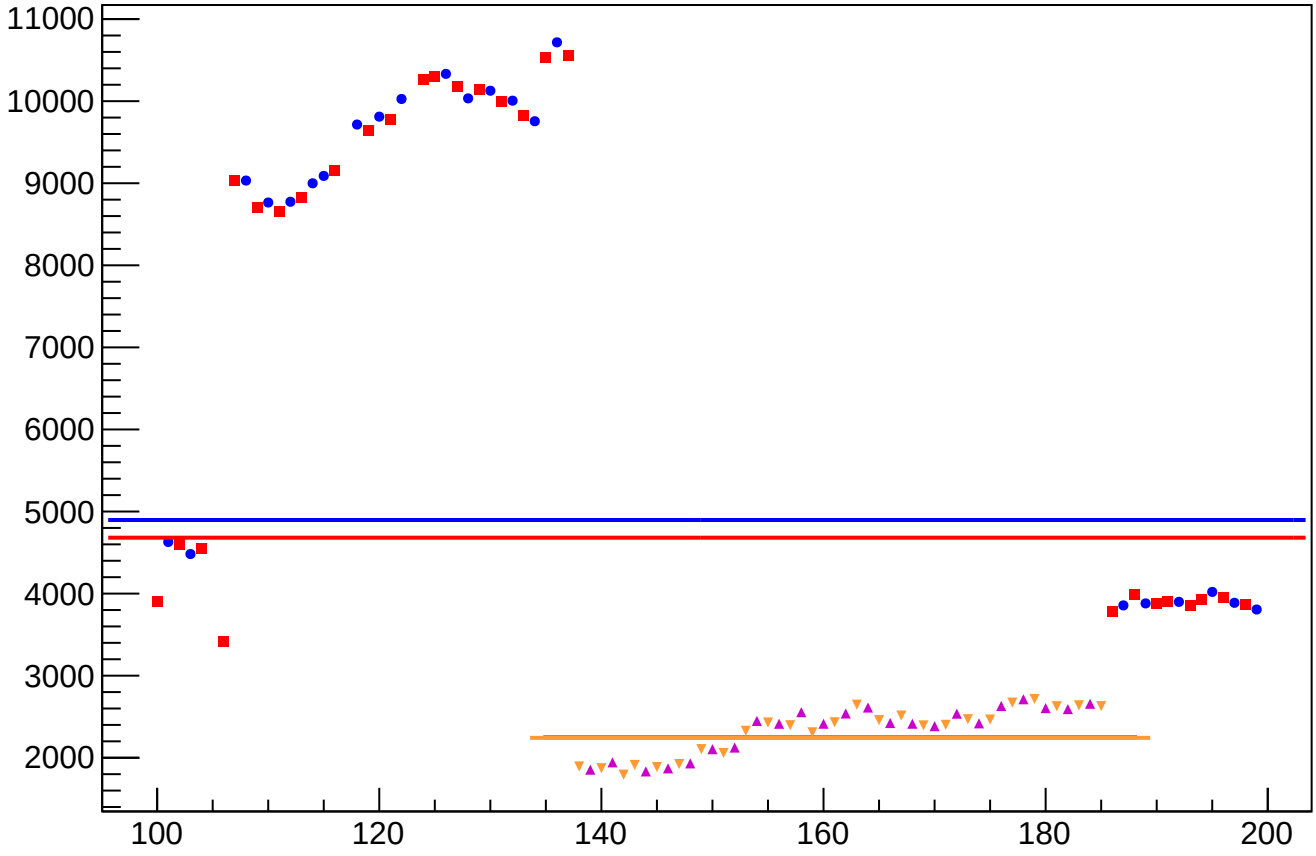
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 18.297+/-0.488 χ^2/NDF: 2631.8/46

All: 4.605+/-0.348 χ^2/NDF: 6531.6/96

- sign -9.529+/-0.496 χ^2/NDF: 2302.5/49

diff_bpm0l04X_rms vs Slug



Right In: 4896.684+/-1.108 χ^2/NDF: 3576097.1/21

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4681.285+/-0.997 χ^2/NDF: 3668382.6/26

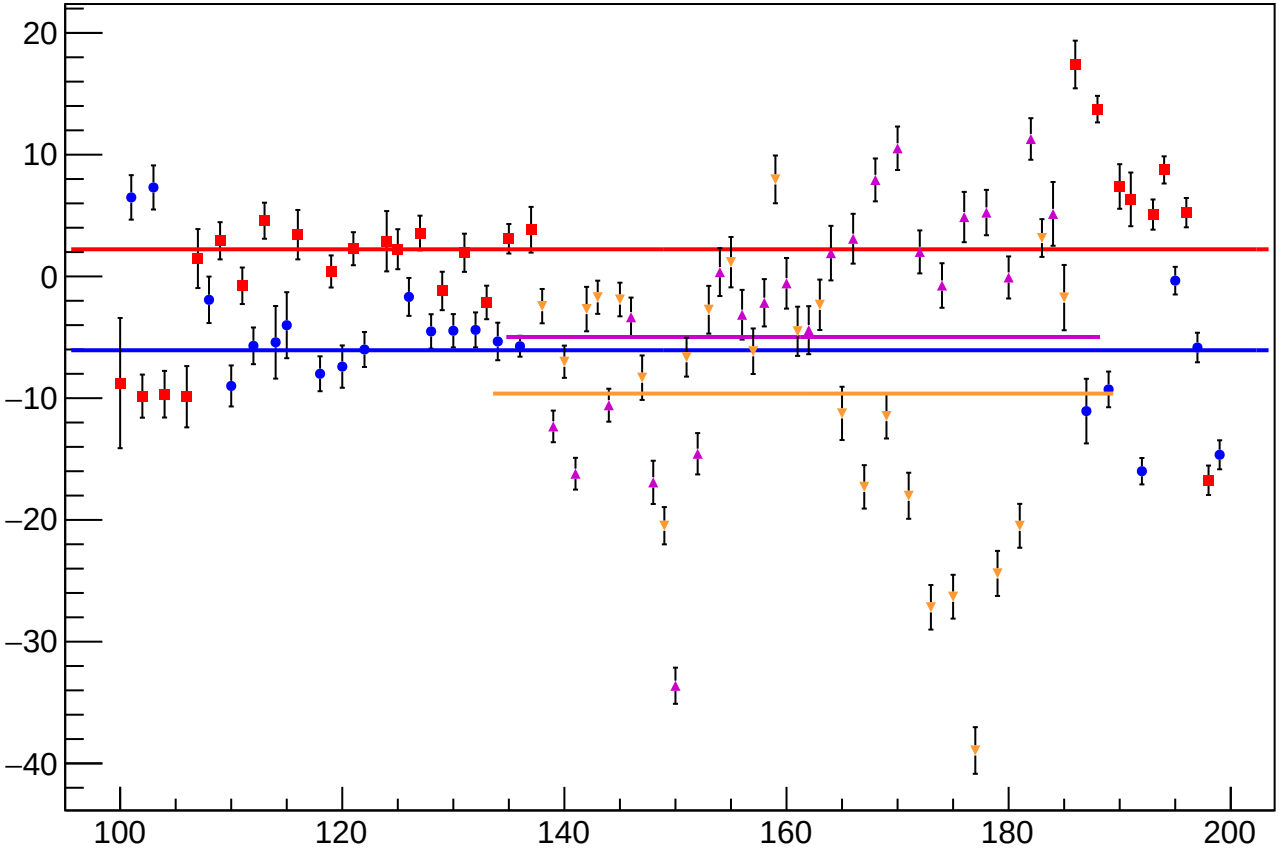
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2500.181+/-0.345 χ^2/NDF: 9414995.0/46

All: 2524.496+/-0.246 χ^2/NDF: 18948129.5/9

- sign 2549.592+/-0.351 χ^2/NDF: 9523061.6/49

diff_bpm0l04Y_mean vs Slug



Right In: -6.064+/-0.308 χ^2/NDF: 294.2/21

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 2.228+/-0.296 χ^2/NDF: 614.1/26

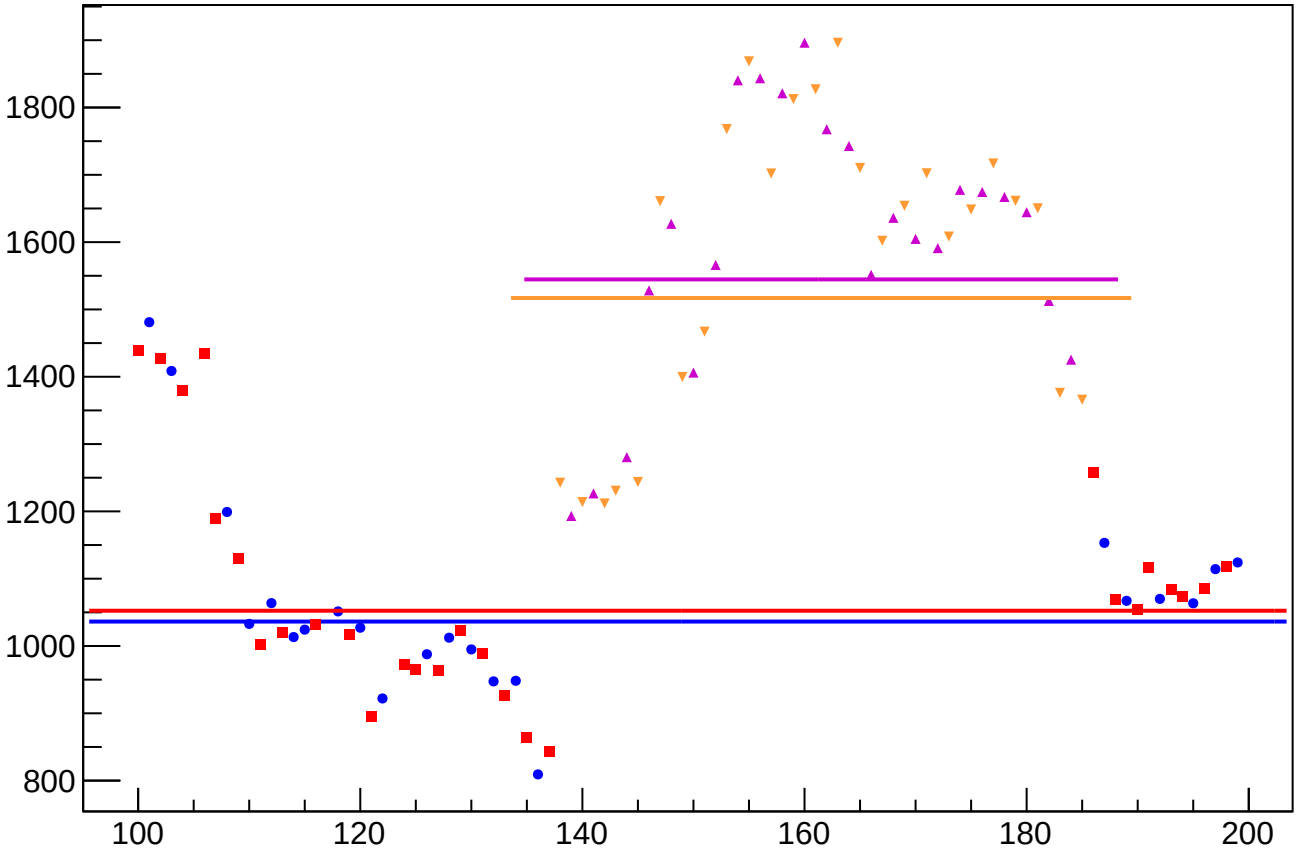
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.621+/-0.231 χ^2/NDF: 1287.0/46

All: -4.111+/-0.163 χ^2/NDF: 3525.9/96

- sign -0.633+/-0.230 χ^2/NDF: 1779.0/49

diff_bpm0l04Y_rms vs Slug



Right In: 1036.303+/-0.218 χ^2/NDF: 416818.6/21

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1052.370+/-0.209 χ^2/NDF: 389843.7/26

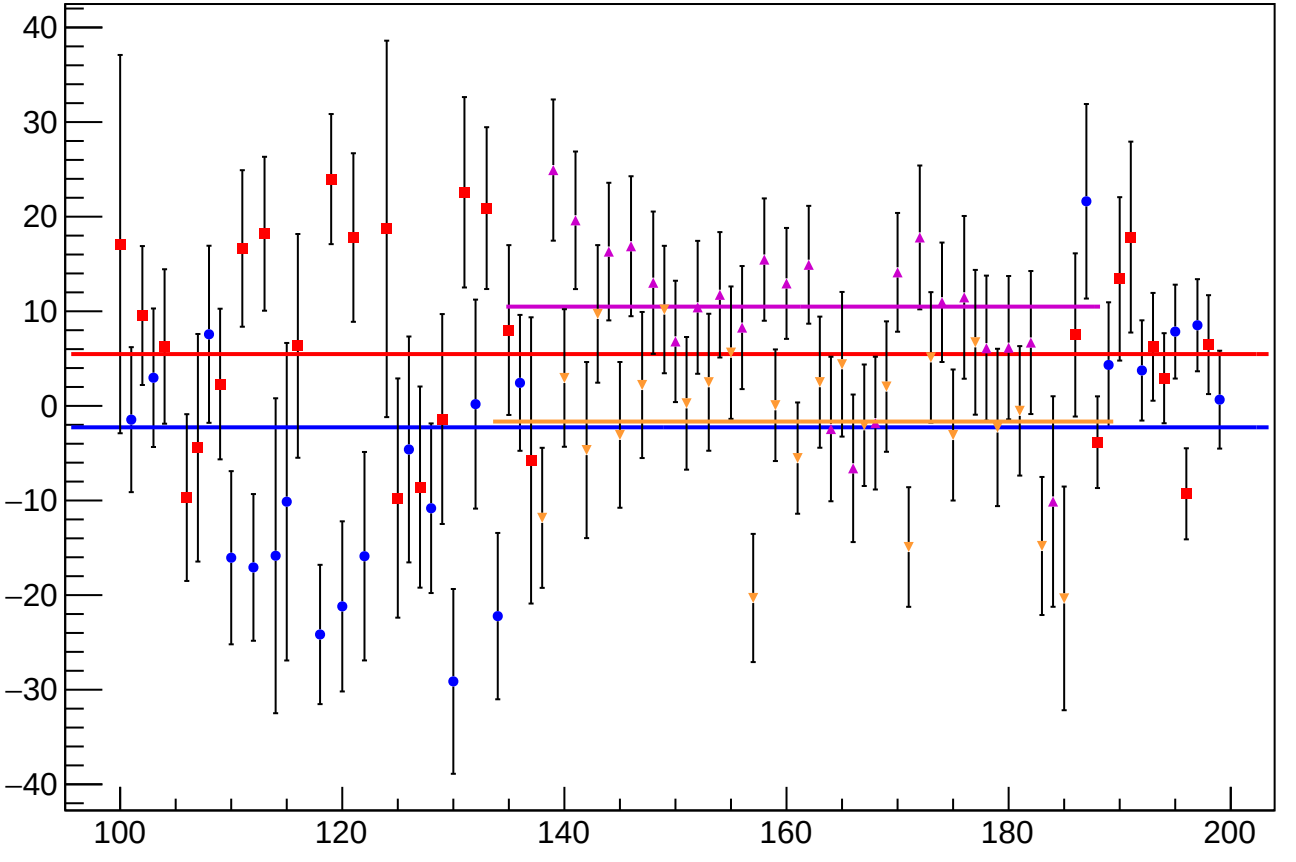
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1246.597+/-0.163 χ^2/NDF: 3382970.8/46

All: 1247.267+/-0.115 χ^2/NDF: 6608612.5/96

- sign 1247.930+/-0.163 χ^2/NDF: 3225608.2/49

diff_bpm0l05X_mean vs Slug



Right In: -2.264+/-1.621 χ^2/NDF: 54.4/21

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: 5.477+/-1.504 χ^2/NDF: 44.5/26

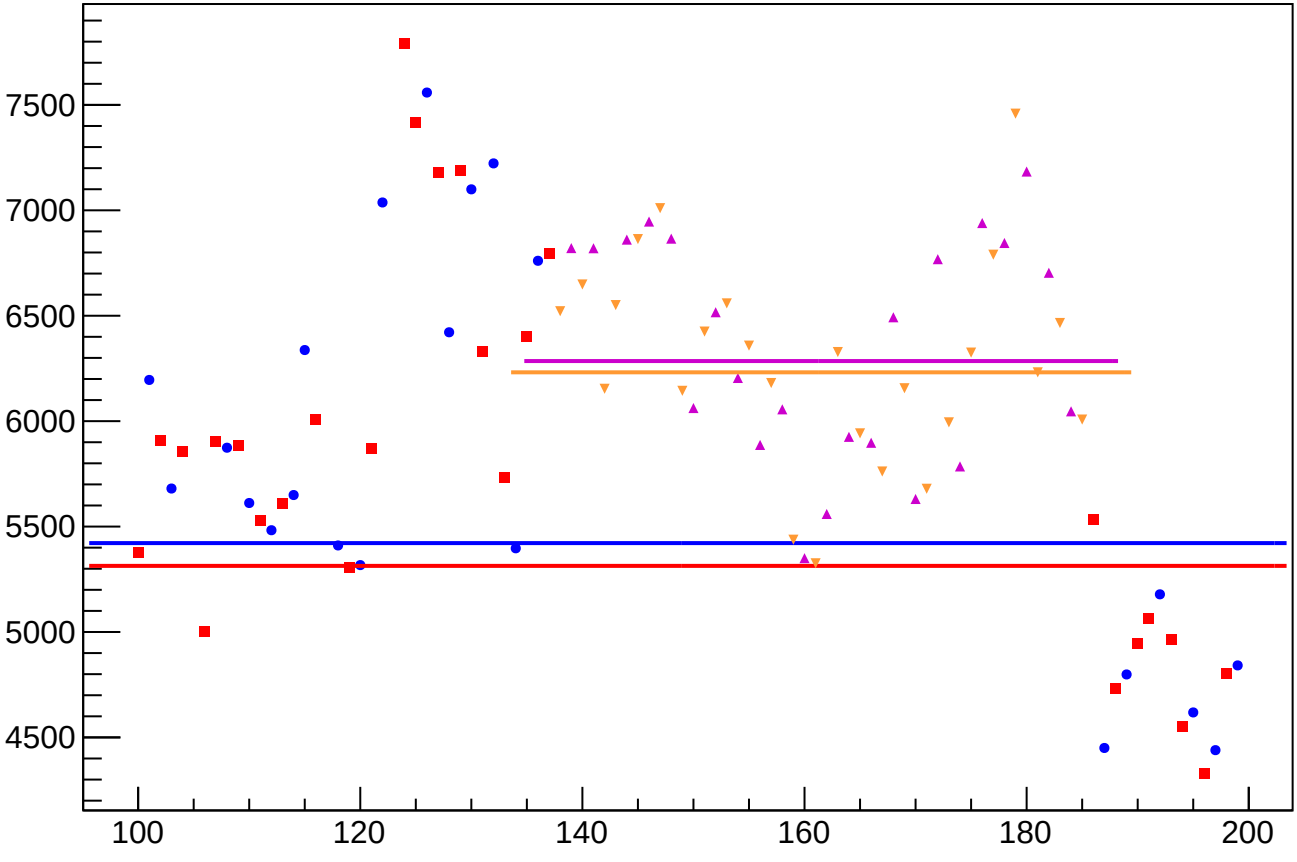
Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -1.921+/-1.071 χ^2/NDF: 86.0/46

All: 3.128+/-0.751 χ^2/NDF: 204.9/96

- sign 8.025+/-1.055 χ^2/NDF: 75.1/49

diff_bpm0l05X_rms vs Slug



Right In: 5421.632+/-1.146 χ^2/NDF: 547548.8/21

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5313.595+/-1.063 χ^2/NDF: 533446.6/26

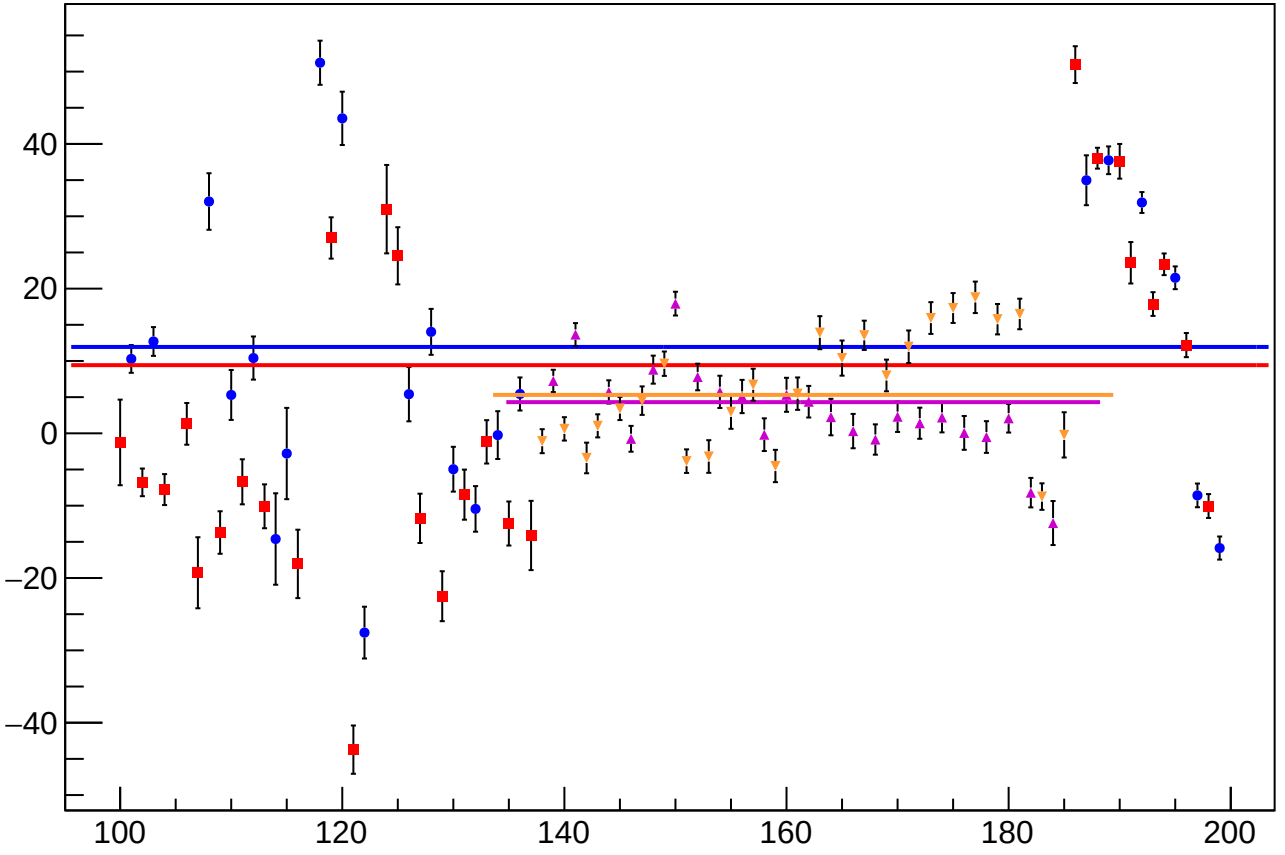
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5878.223+/-0.757 χ^2/NDF: 1055873.0/46

All: 5842.123+/-0.531 χ^2/NDF: 2283274.5/96

- sign 5807.109+/-0.746 χ^2/NDF: 1222924.5/49

diff_bpm0l05Y_mean vs Slug



Right In: 11.941+/-0.516 χ^2/NDF: 1435.3/21

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 9.422+/-0.479 χ^2/NDF: 1981.1/26

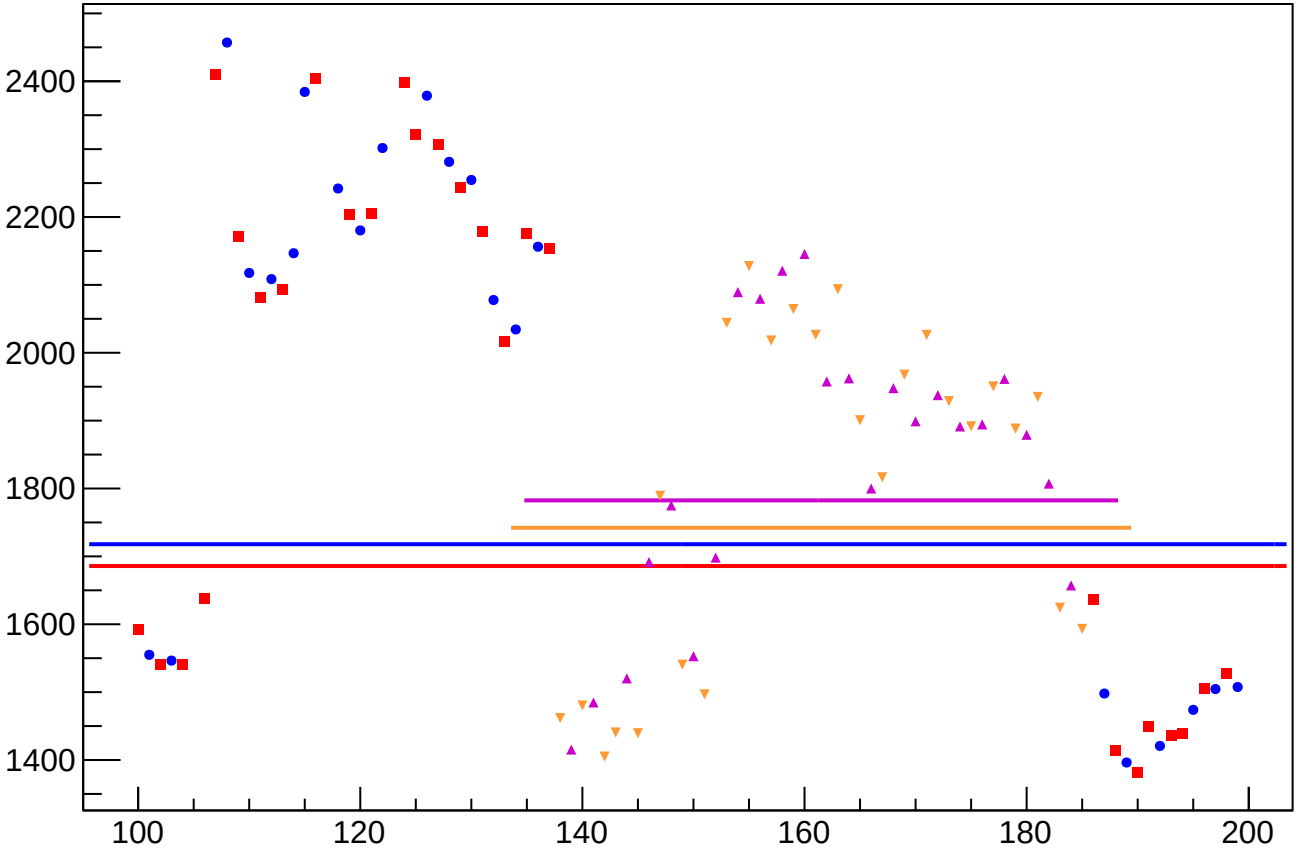
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 7.805+/-0.316 χ^2/NDF: 1916.4/46

All: 7.167+/-0.224 χ^2/NDF: 4190.4/96

- sign 6.530+/-0.316 χ^2/NDF: 2265.8/49

diff_bpm0l05Y_rms vs Slug



Right In: 1717.935+/-0.365 χ^2/NDF: 906386.7/21

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1685.786+/-0.339 χ^2/NDF: 942298.4/26

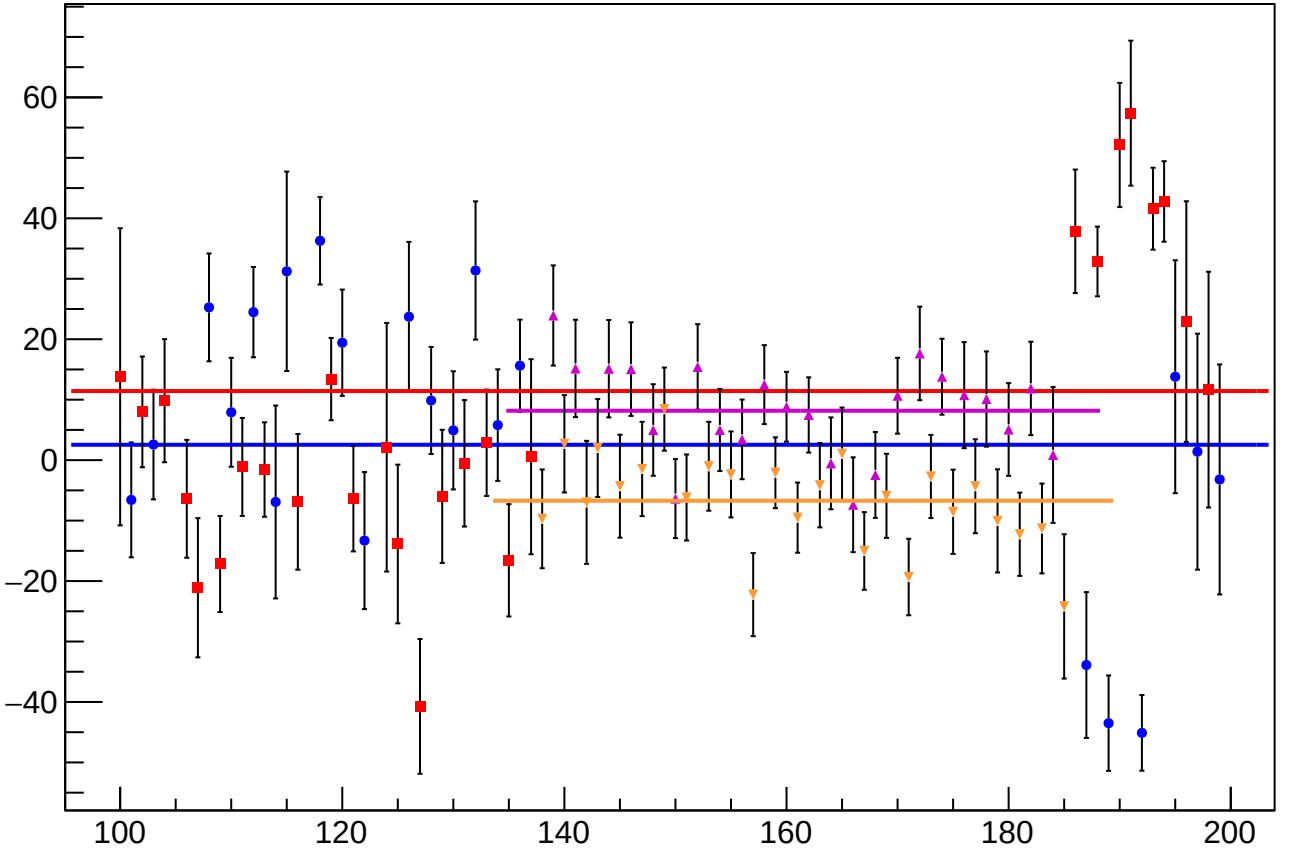
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1733.086+/-0.224 χ^2/NDF: 1676817.4/46

All: 1736.796+/-0.158 χ^2/NDF: 3200081.2/96

- sign 1740.499+/-0.223 χ^2/NDF: 1522713.8/49

diff_bpm0l06X_mean vs Slug



Right In: 2.543+/-2.057 χ^2/NDF: 161.8/21

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 11.431+/-1.829 χ^2/NDF: 169.9/26

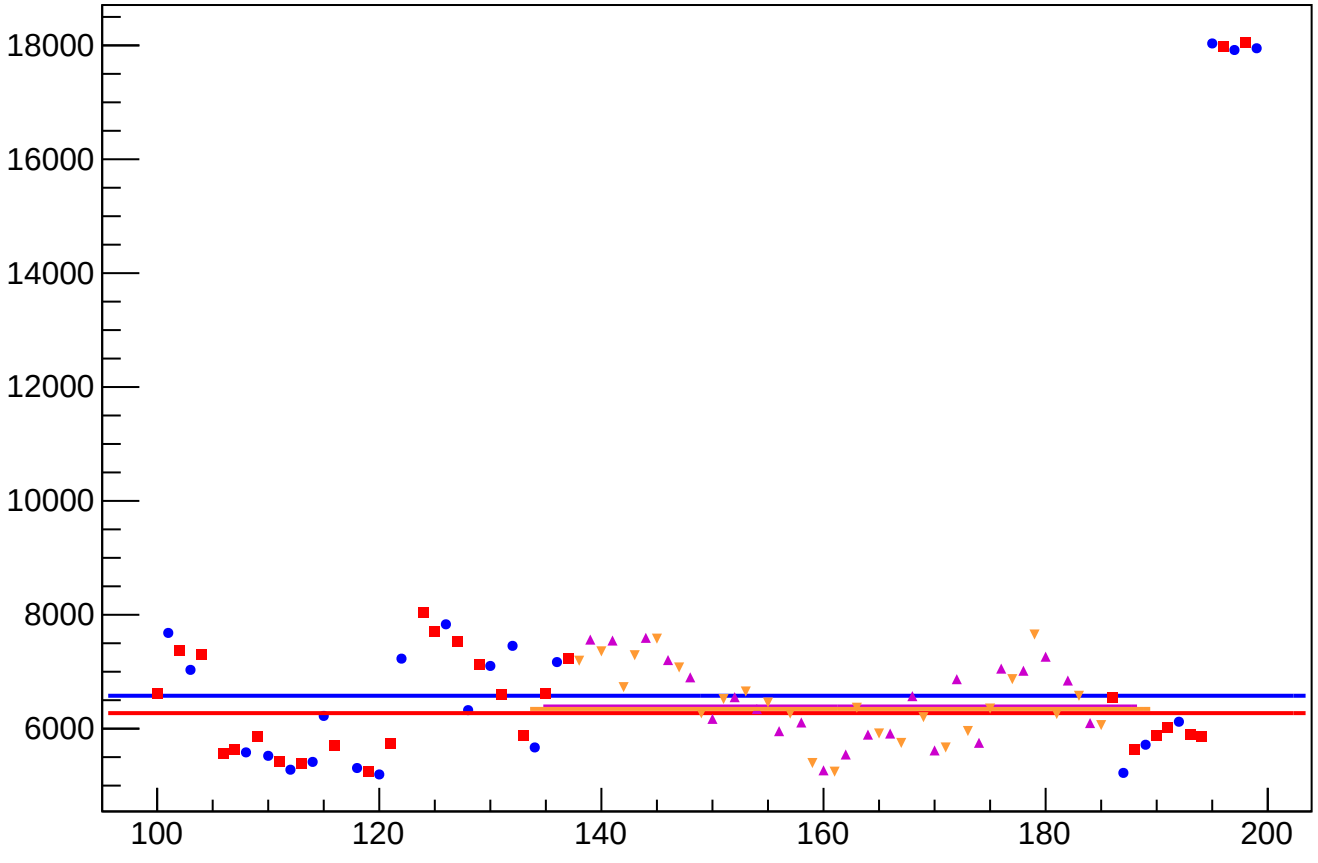
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.617+/-1.189 χ^2/NDF: 201.0/46

All: 3.077+/-0.832 χ^2/NDF: 459.0/96

- sign 9.493+/-1.164 χ^2/NDF: 196.0/49

diff_bpm0l06X_rms vs Slug



Right In: 6577.959+/-1.454 χ^2/NDF: 2502344.5/21

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6272.894+/-1.293 χ^2/NDF: 1734231.0/26

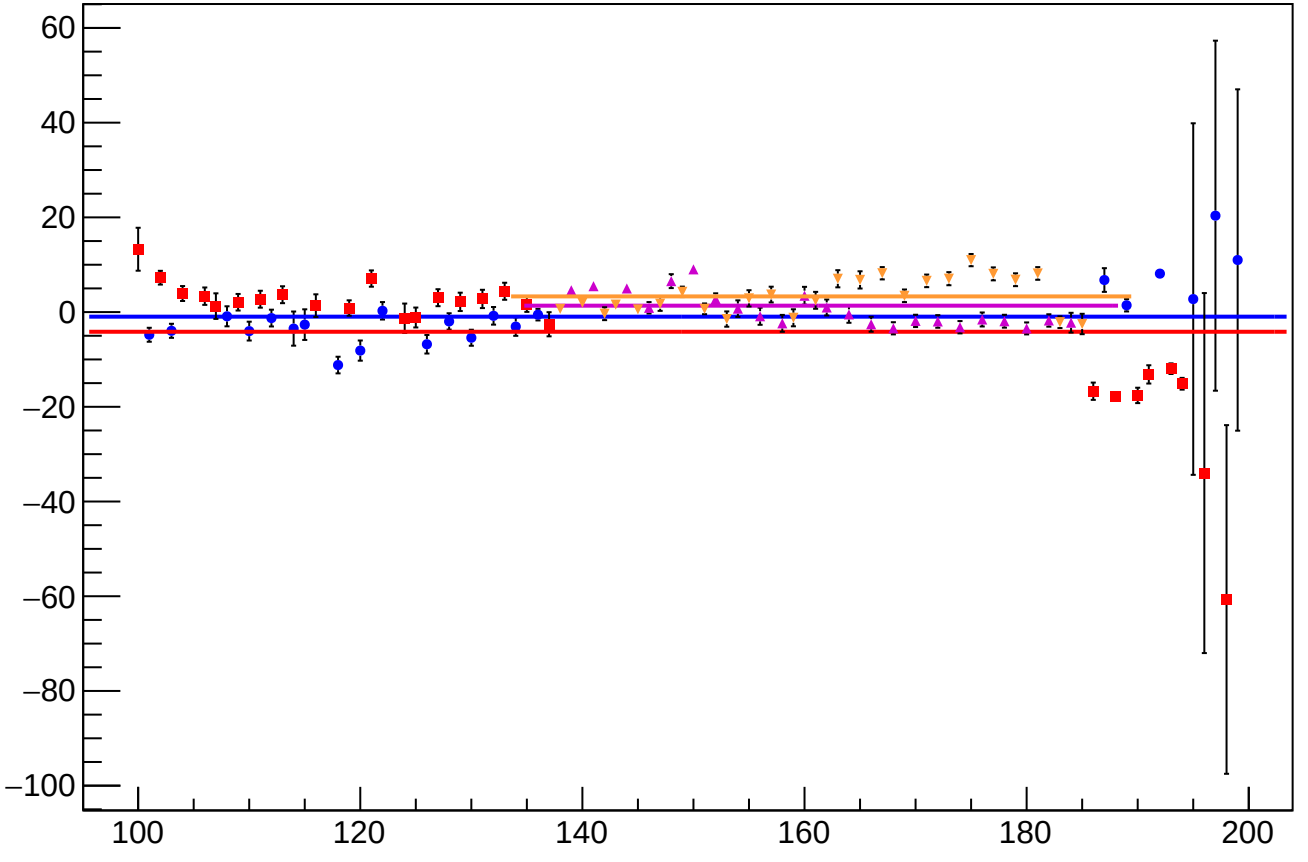
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6424.428+/-0.841 χ^2/NDF: 2905117.2/46

All: 6382.430+/-0.588 χ^2/NDF: 5068818.4/96

- sign 6342.179+/-0.823 χ^2/NDF: 2158816.9/49

diff_bpm0l06Y_mean vs Slug



Right In: -0.965+/-0.386 χ^2/NDF: 179.4/21

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -4.153+/-0.342 χ^2/NDF: 747.4/26

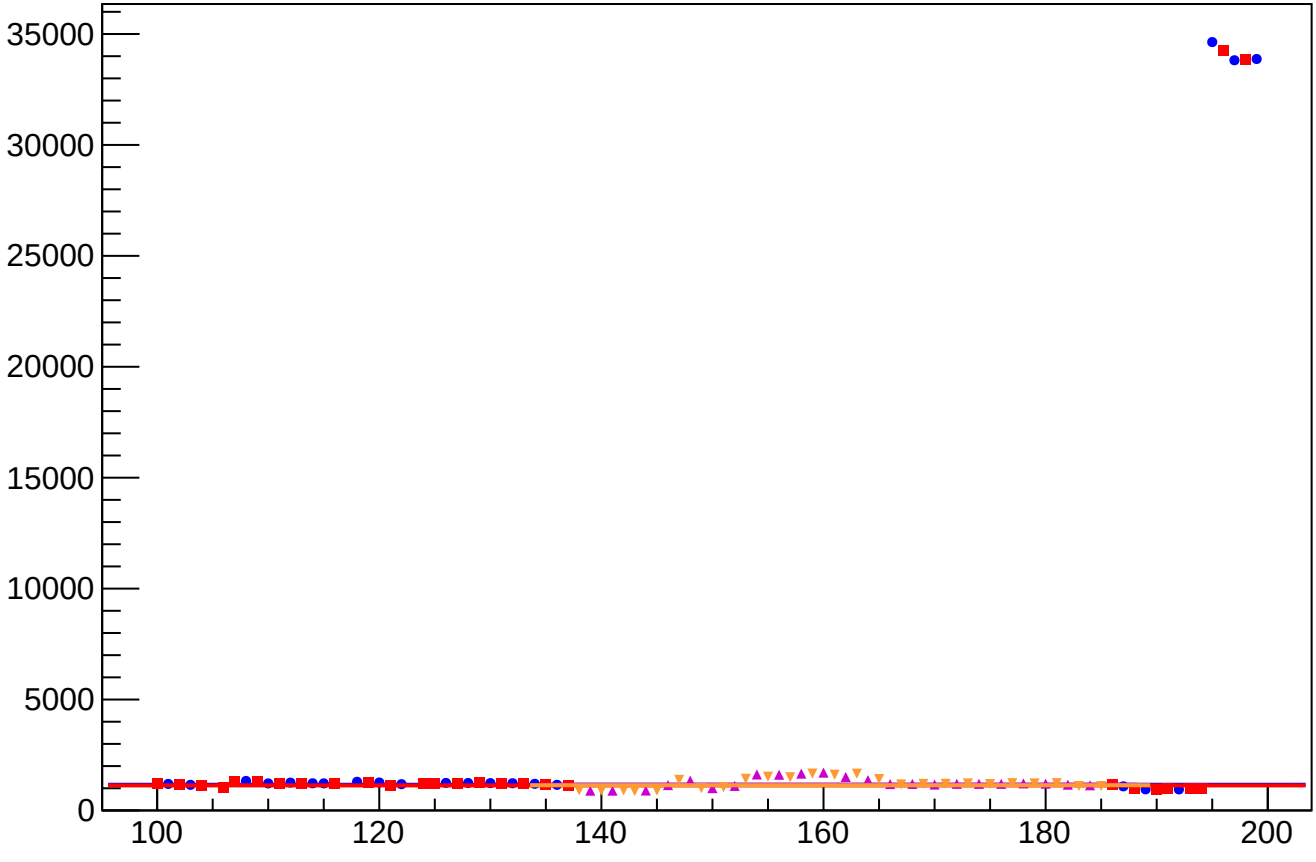
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.945+/-0.218 χ^2/NDF: 440.8/46

All: 0.542+/-0.153 χ^2/NDF: 1622.8/96

- sign -0.823+/-0.215 χ^2/NDF: 1100.4/49

diff_bpm0l06Y_rms vs Slug



Right In: 1158.666+/-0.273 χ^2/NDF: 5038502.6/21

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1128.748+/-0.242 χ^2/NDF: 3319283.1/26

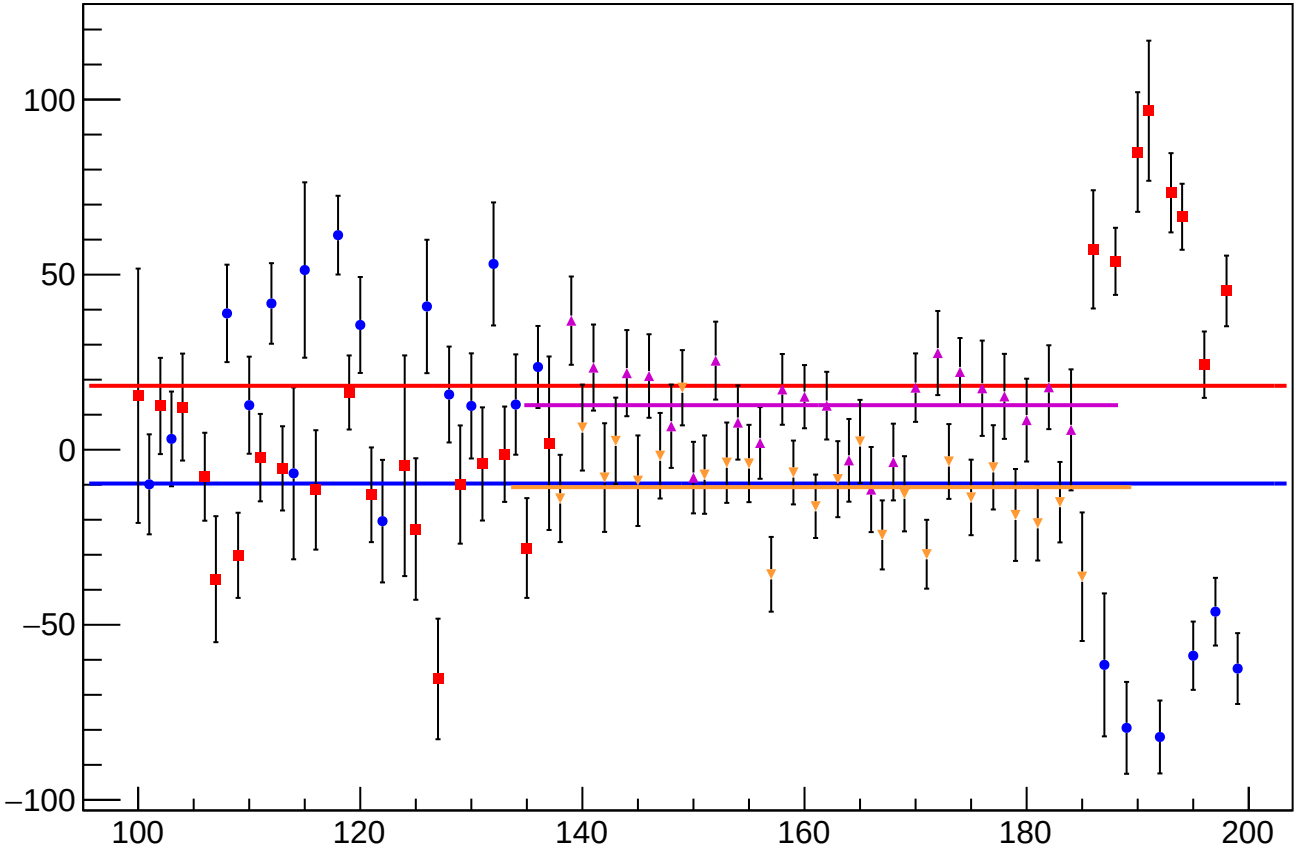
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1144.022+/-0.154 χ^2/NDF: 6512417.7/46

All: 1145.683+/-0.108 χ^2/NDF: 11101450.9/9

- sign 1147.298+/-0.152 χ^2/NDF: 4588804.7/49

diff_bpm0l07X_mean vs Slug



Right In: -9.660+/-2.835 χ^2/NDF: 278.8/21

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 18.255+/-2.633 χ^2/NDF: 198.2/26

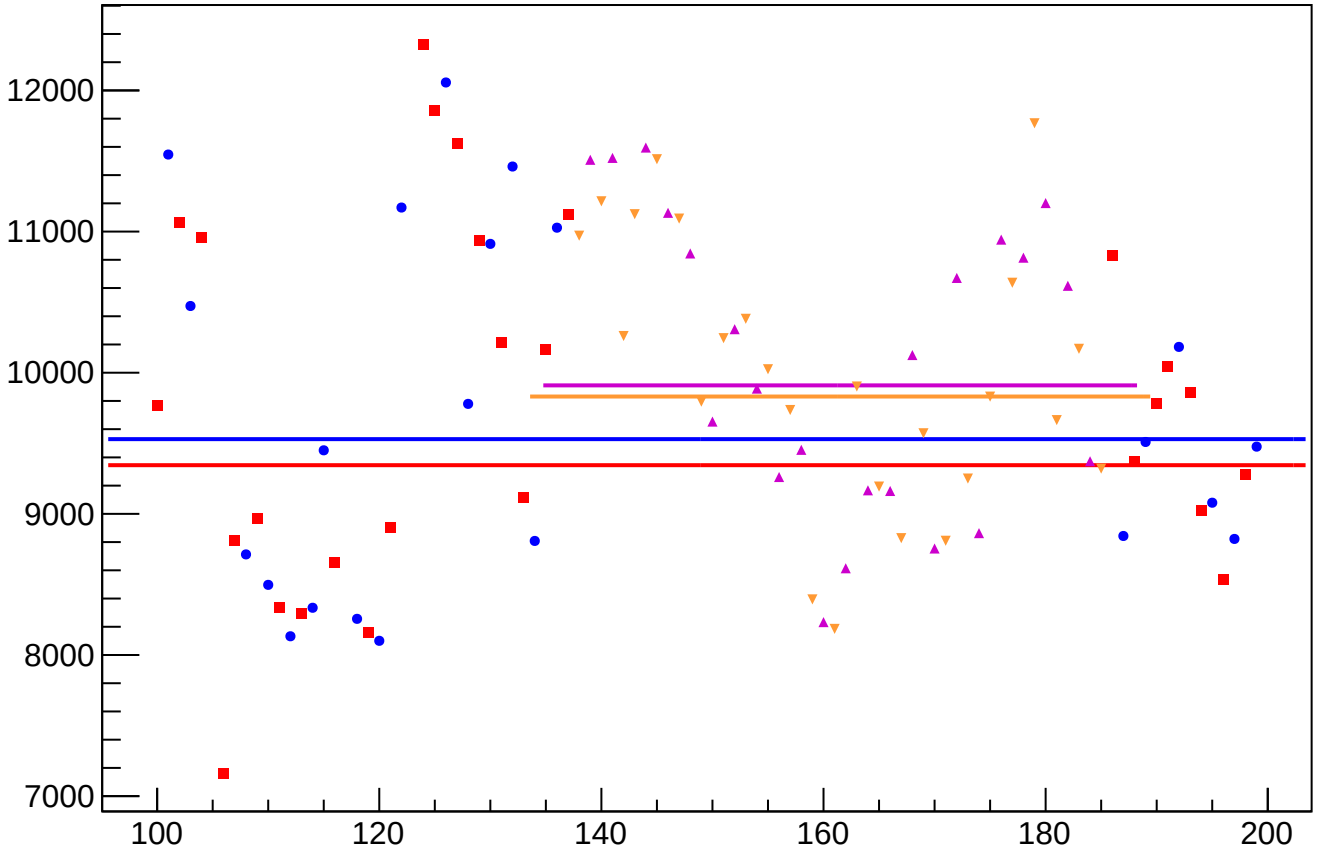
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -10.294+/-1.766 χ^2/NDF: 307.6/46

All: 2.552+/-1.243 χ^2/NDF: 637.2/96

- sign 15.162+/-1.750 χ^2/NDF: 224.7/49

diff_bpm0l07X_rms vs Slug



Right In: 9529.408+/-2.005 χ^2/NDF: 306756.9/21

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9344.839+/-1.862 χ^2/NDF: 342217.5/26

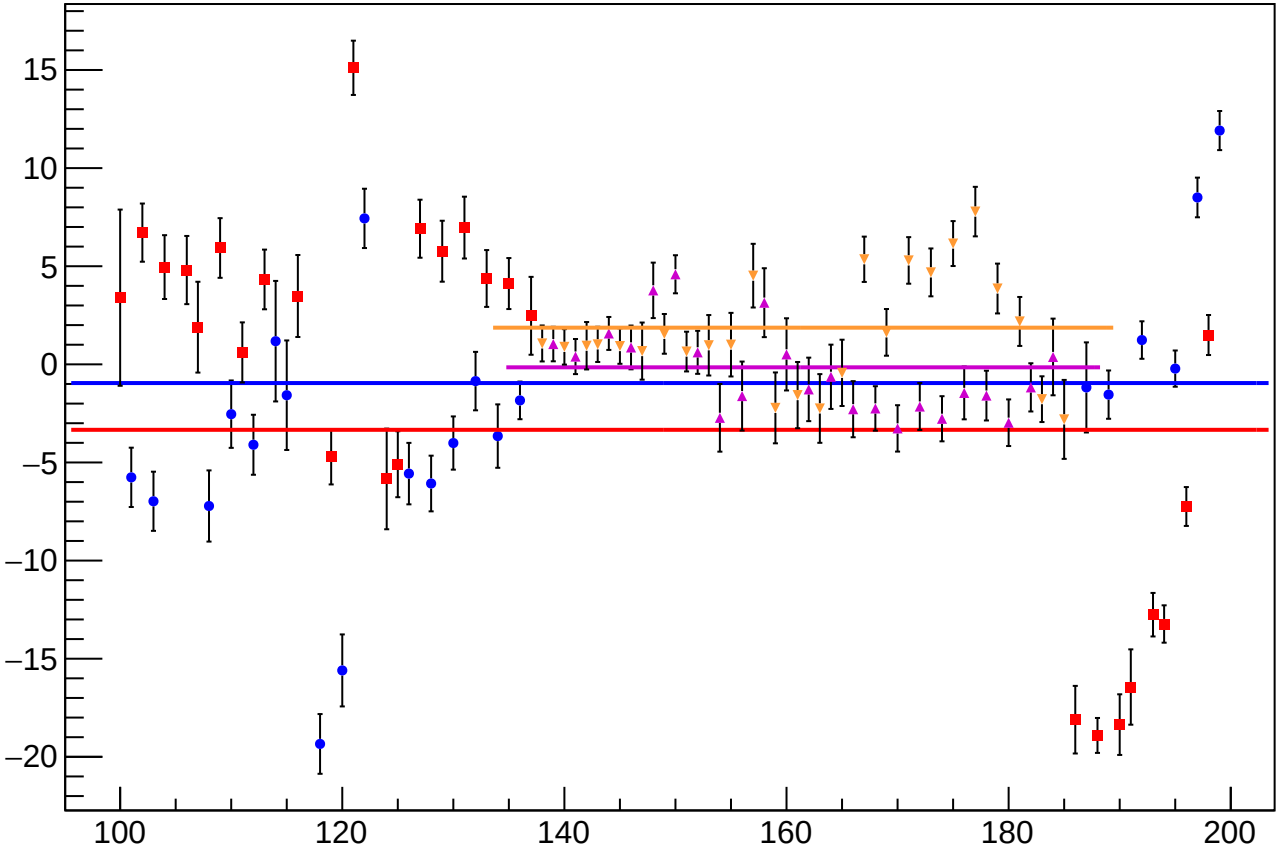
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9714.181+/-1.249 χ^2/NDF: 676761.0/46

All: 9687.199+/-0.879 χ^2/NDF: 1460782.5/96

- sign 9660.714+/-1.237 χ^2/NDF: 783096.3/49

diff_bpm0l07Y_mean vs Slug



Right In: -0.953+/-0.291 χ^2/NDF: 574.9/21

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -3.336+/-0.275 χ^2/NDF: 1296.0/26

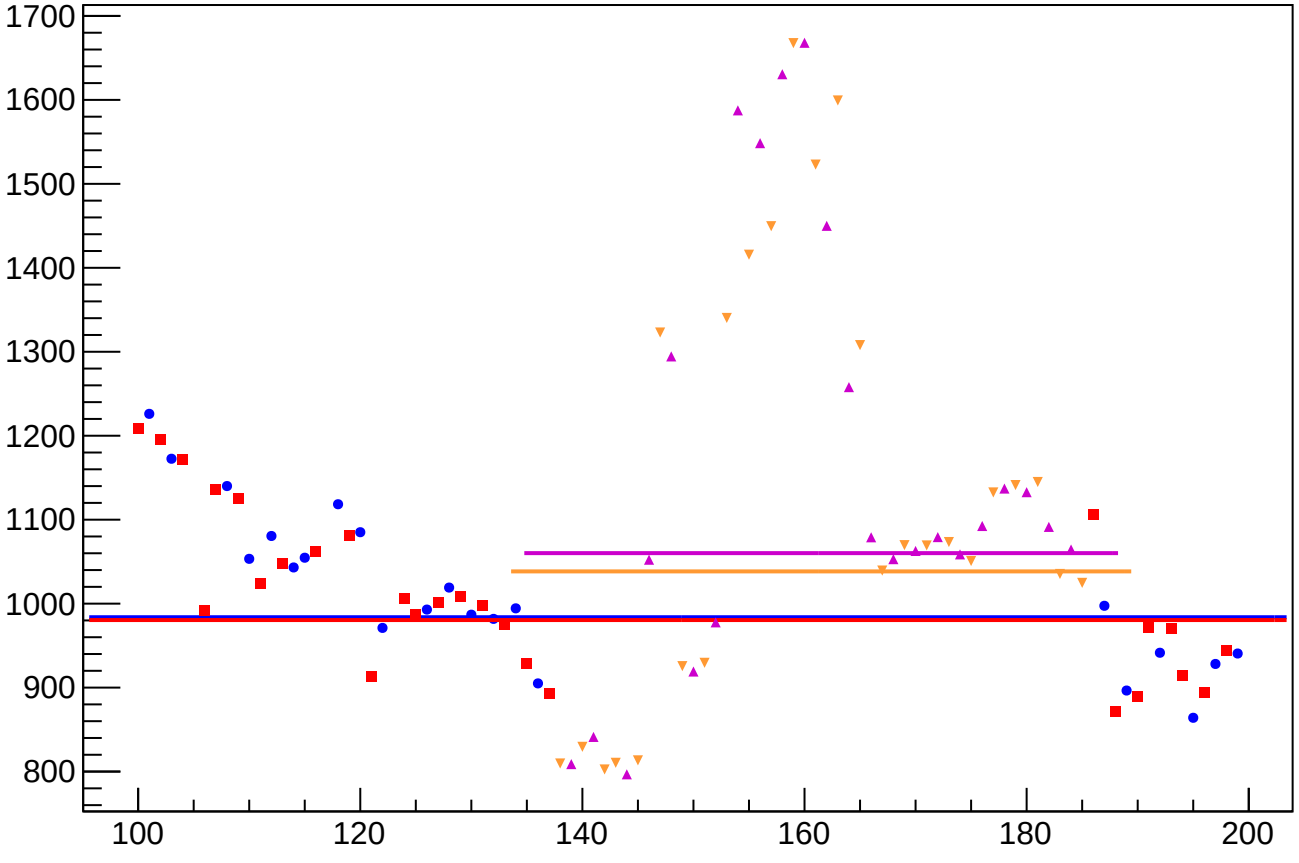
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.711+/-0.186 χ^2/NDF: 733.6/46

All: -0.453+/-0.132 χ^2/NDF: 2255.8/96

- sign -1.622+/-0.187 χ^2/NDF: 1444.0/49

diff_bpm0l07Y_rms vs Slug



Right In: 983.808+/-0.206 χ^2/NDF: 205231.1/21

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 980.458+/-0.194 χ^2/NDF: 209398.2/26

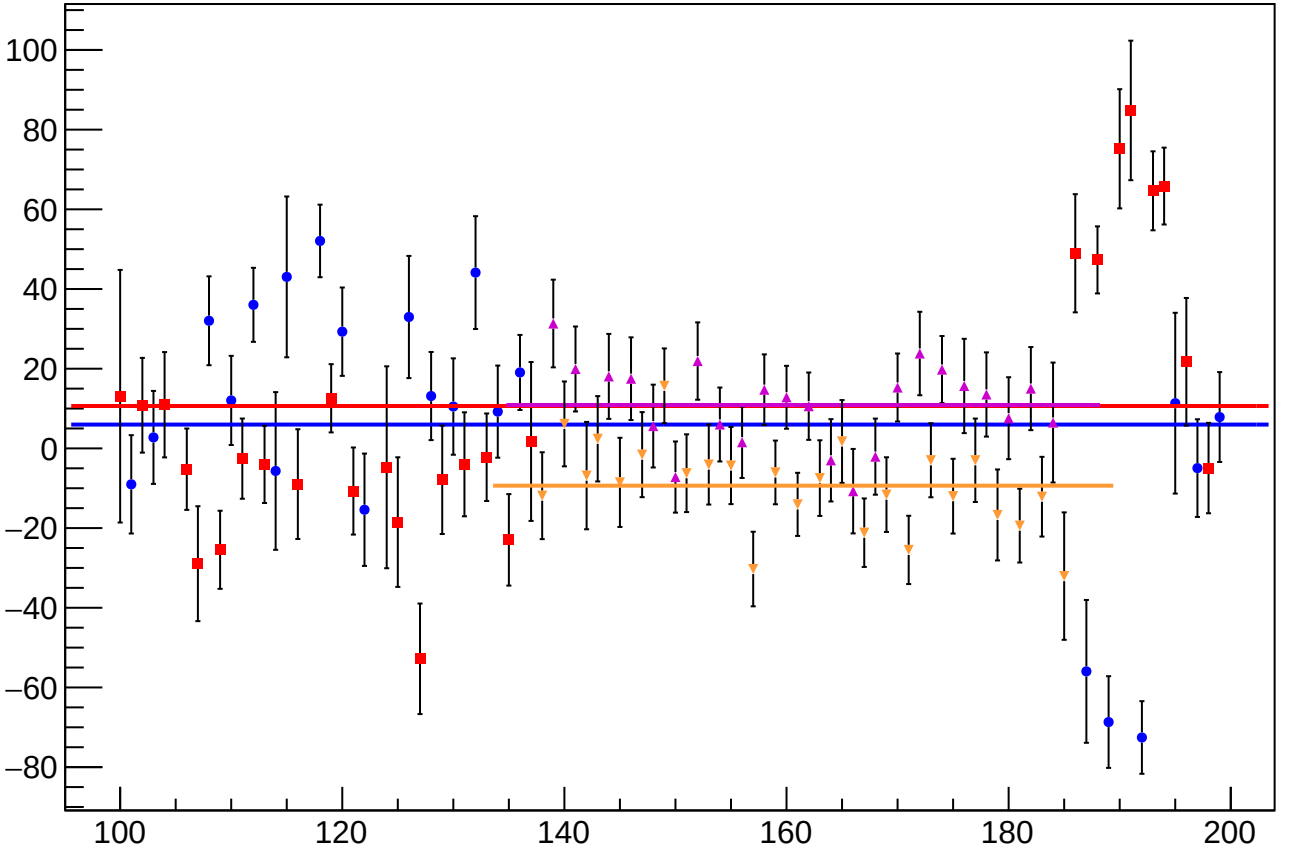
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1015.996+/-0.132 χ^2/NDF: 1953474.5/46

All: 1019.671+/-0.093 χ^2/NDF: 3778235.6/96

- sign 1023.361+/-0.132 χ^2/NDF: 1823201.8/49

diff_bpm0l08X_mean vs Slug



Right In: 5.979+/-2.549 χ^2/NDF: 195.9/21

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

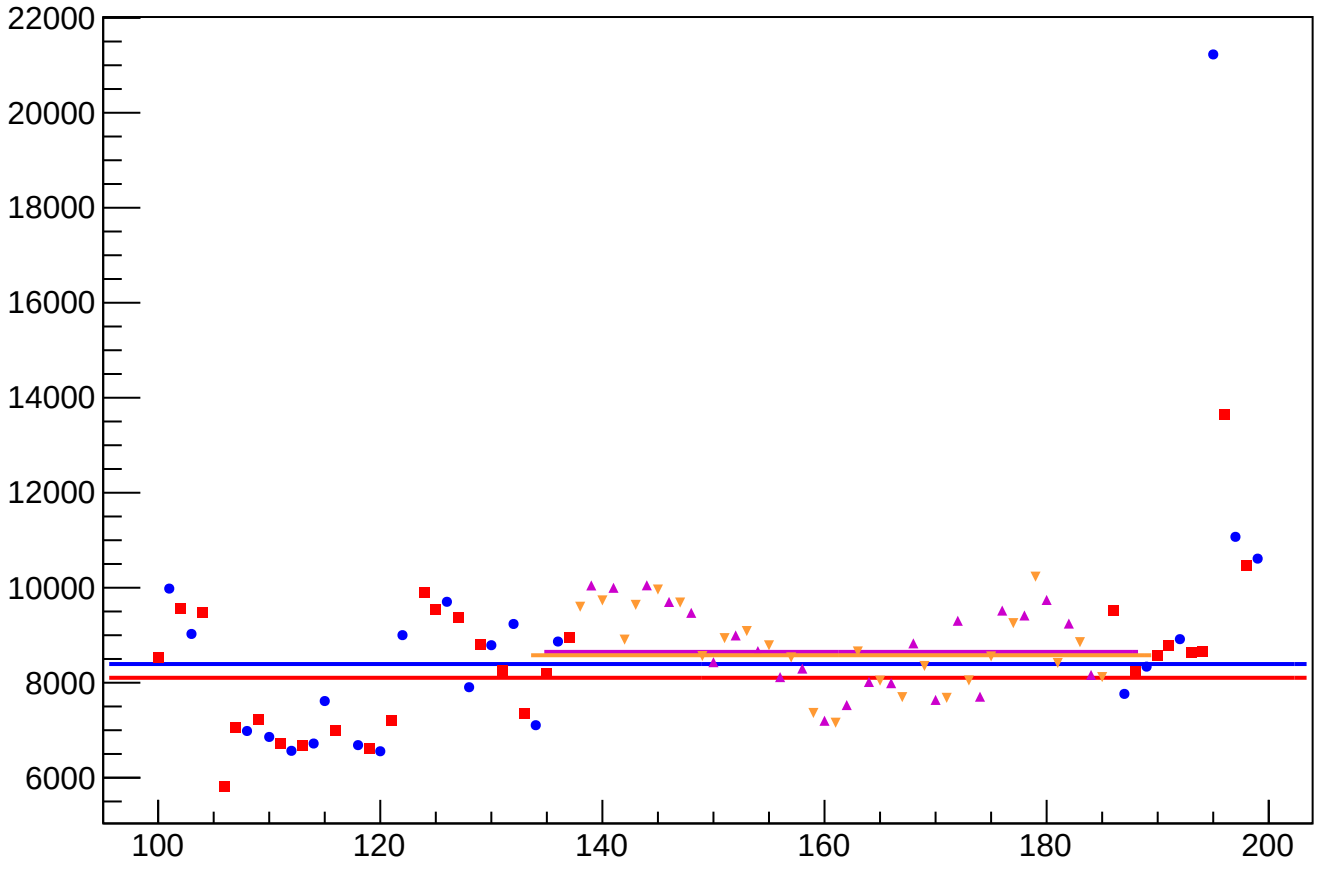
Right Out: 10.639+/-2.321 χ^2/NDF: 198.2/26

Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

\+ sign -3.624+/-1.558 χ^2/NDF: 247.1/46

All: 3.695+/-1.093 χ^2/NDF: 512.3/96

\- sign 10.782+/-1.533 χ^2/NDF: 221.8/49



Right In: 8393.490+/-1.802 χ^2/NDF: 1211897.2/21

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8103.933+/-1.641 χ^2/NDF: 770838.3/26

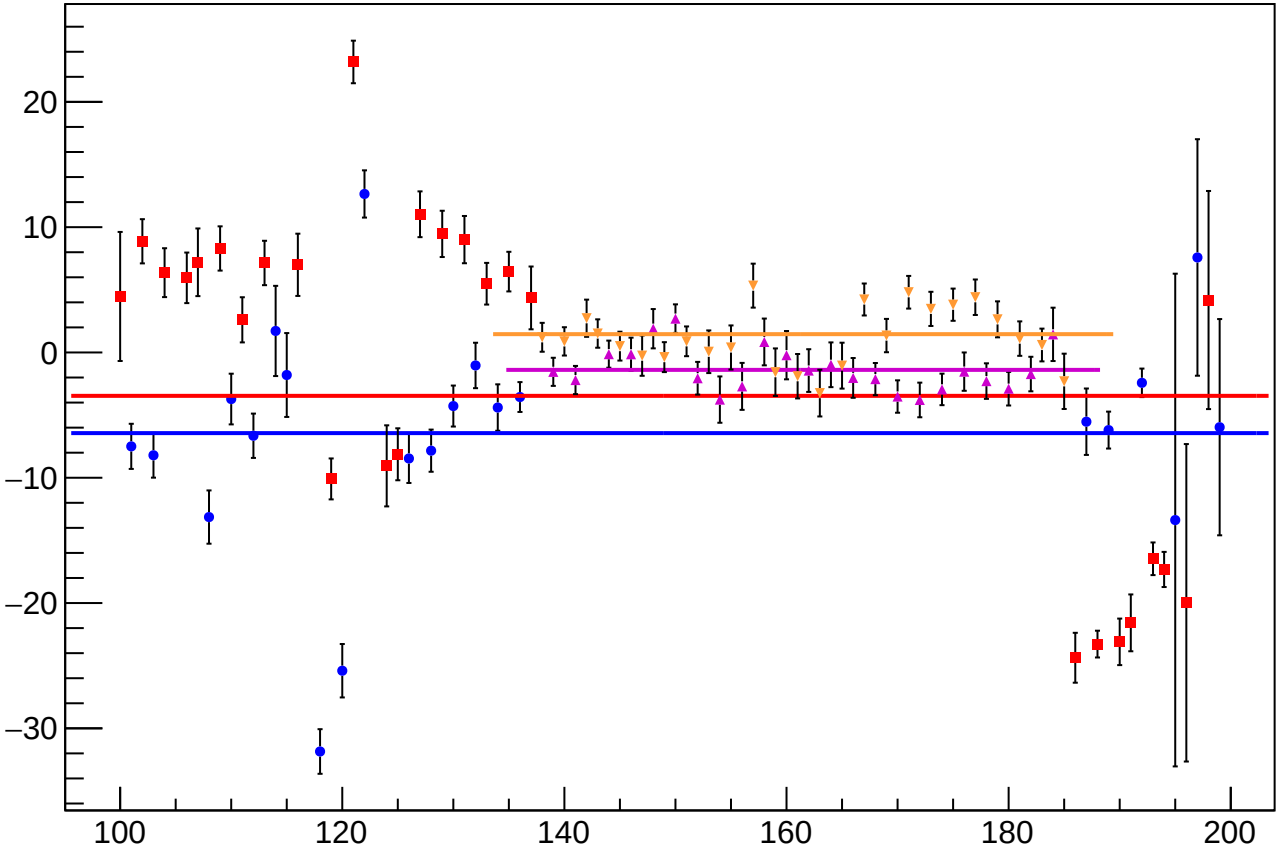
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8509.280+/-1.102 χ^2/NDF: 1562209.8/46

All: 8459.472+/-0.773 χ^2/NDF: 2777216.0/96

- sign 8411.247+/-1.084 χ^2/NDF: 1210984.5/49

diff_bpm0l08Y_mean vs Slug



Right In: -6.437+/-0.406 χ^2/NDF: 439.8/21

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.463+/-0.361 χ^2/NDF: 1556.7/26

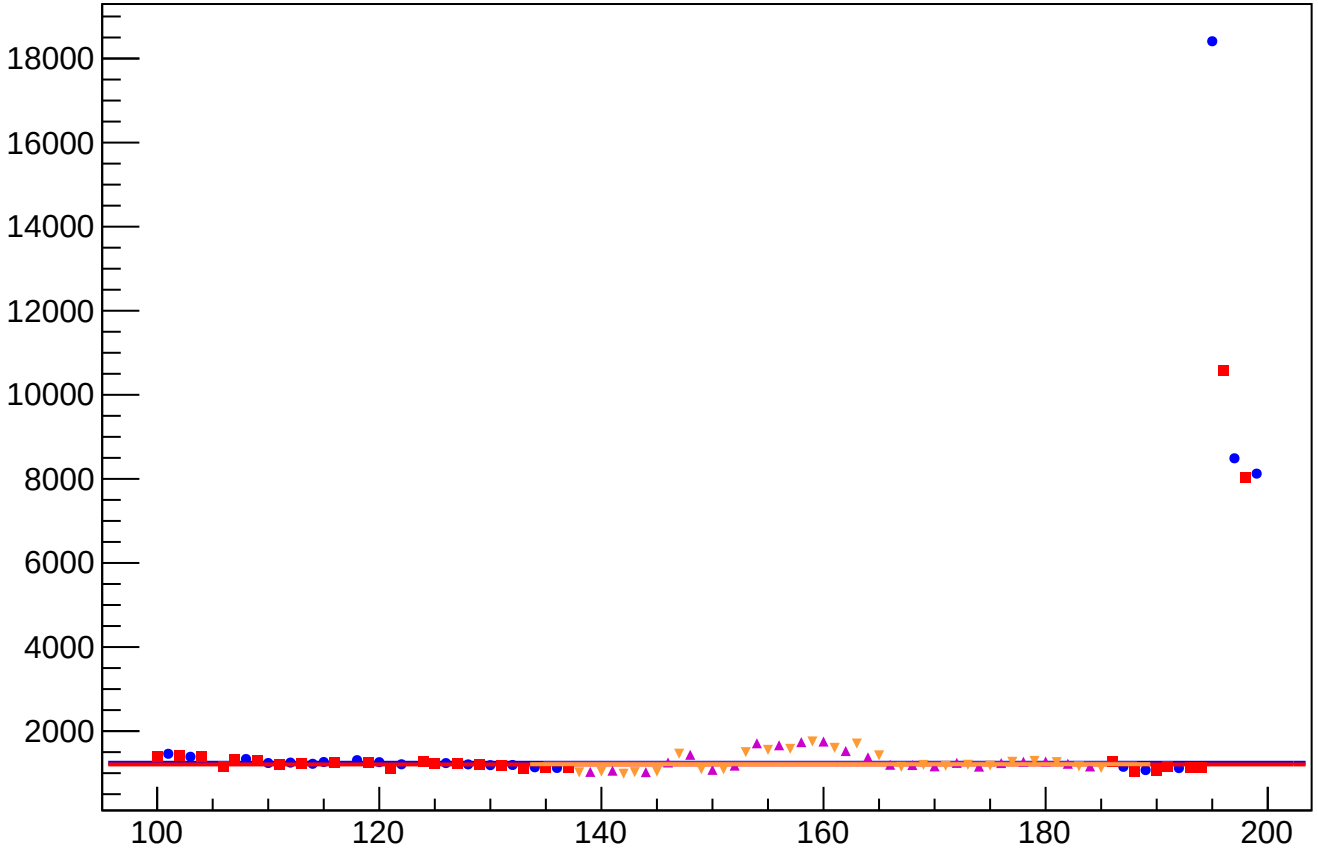
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.095+/-0.231 χ^2/NDF: 747.4/46

All: -1.663+/-0.162 χ^2/NDF: 2371.4/96

- sign -2.218+/-0.228 χ^2/NDF: 1612.1/49

diff_bpm0l08Y_rms vs Slug



Right In: 1246.785+/-0.287 χ^2/NDF: 4108170.0/21

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1207.725+/-0.255 χ^2/NDF: 2483291.4/26

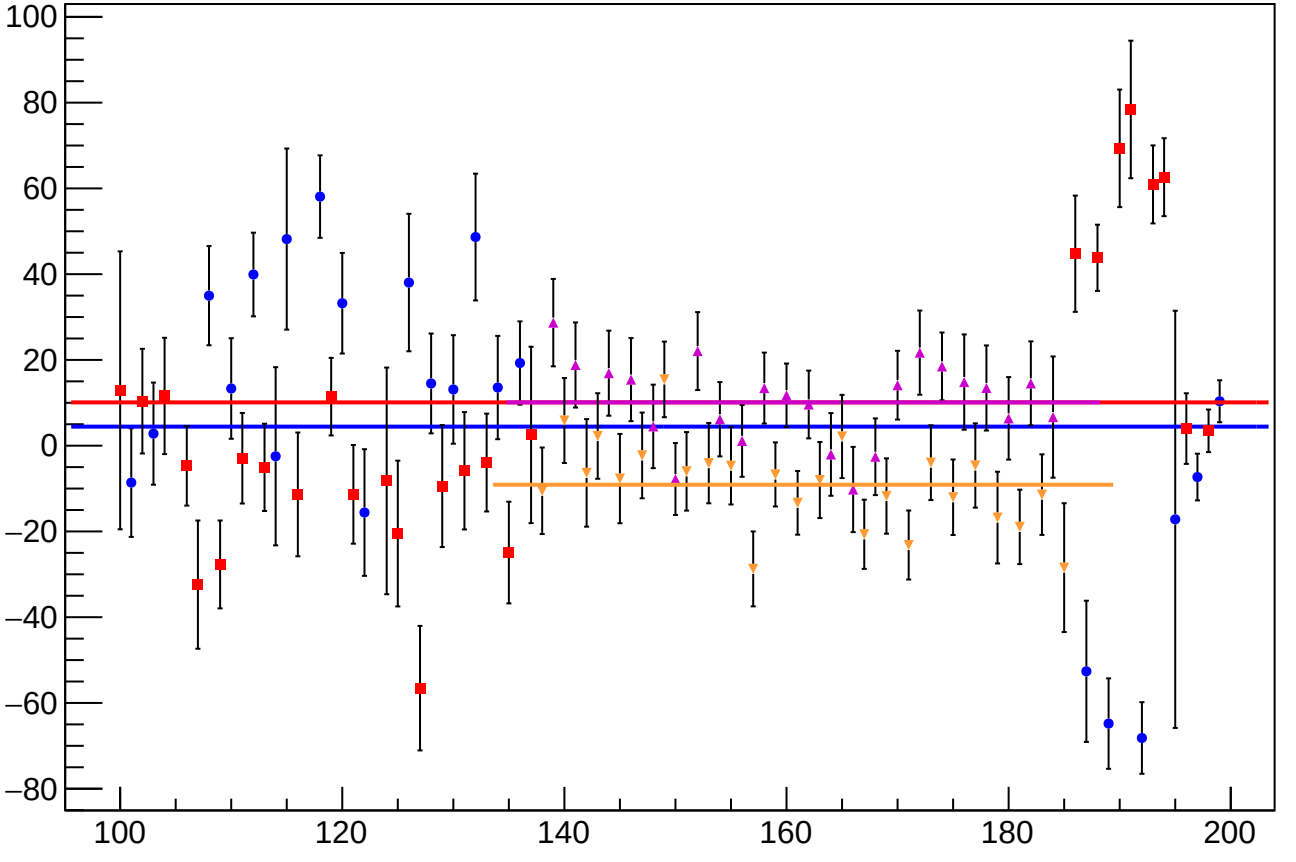
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1224.112+/-0.163 χ^2/NDF: 5130176.5/46

All: 1225.374+/-0.115 χ^2/NDF: 8508310.9/96

- sign 1226.607+/-0.161 χ^2/NDF: 3378016.1/49

diff_bpm0l09X_mean vs Slug



Right In: 4.443+/-2.191 χ^2/NDF: 219.7/21

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 10.097+/-2.085 χ^2/NDF: 201.5/26

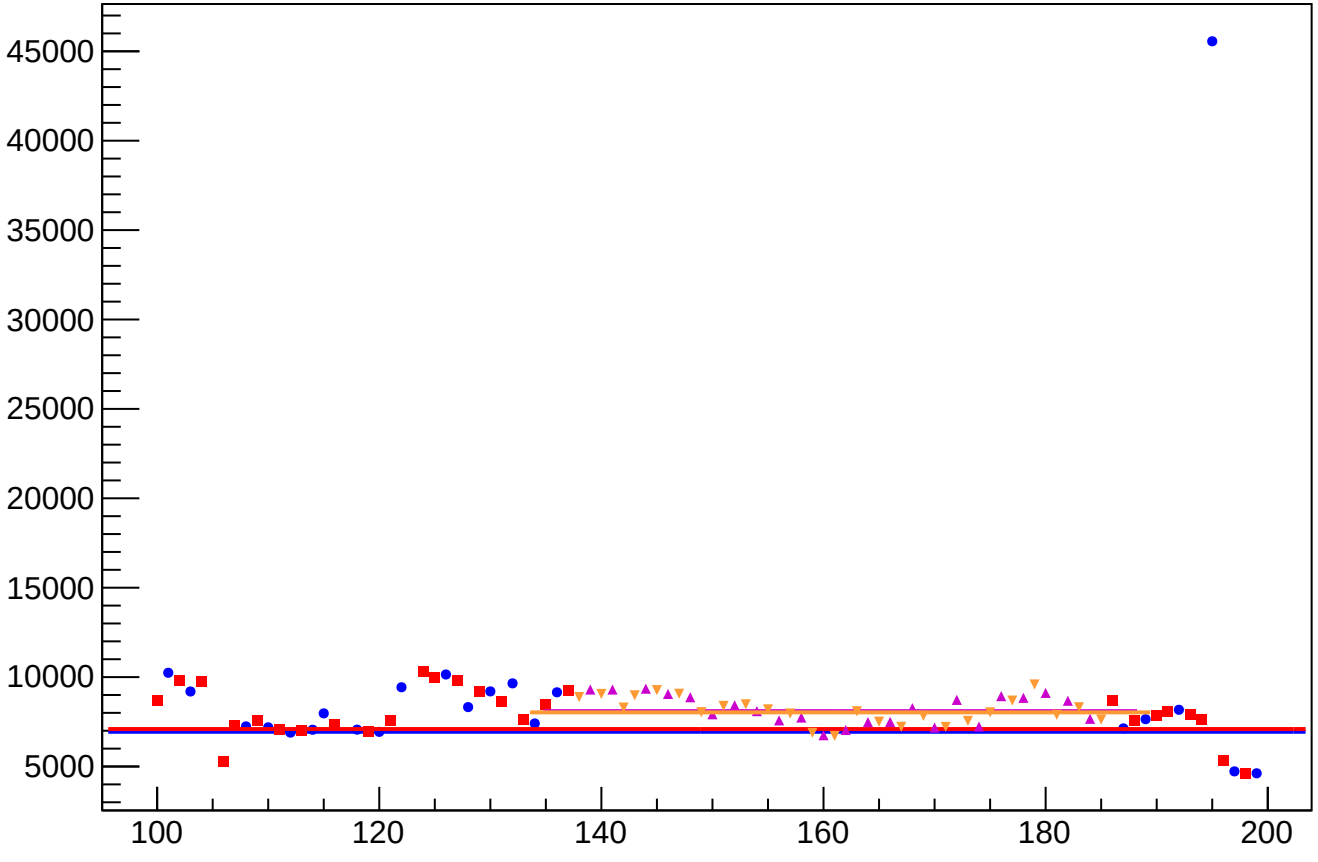
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -3.499+/-1.410 χ^2/NDF: 270.9/46

All: 3.304+/-0.997 χ^2/NDF: 543.2/96

- sign 10.096+/-1.409 χ^2/NDF: 225.8/49

diff_bpm0l09X_rms vs Slug



Right In: 6943.699+/-1.549 χ^2/NDF: 2710991.6/21

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7094.581+/-1.475 χ^2/NDF: 1216908.6/26

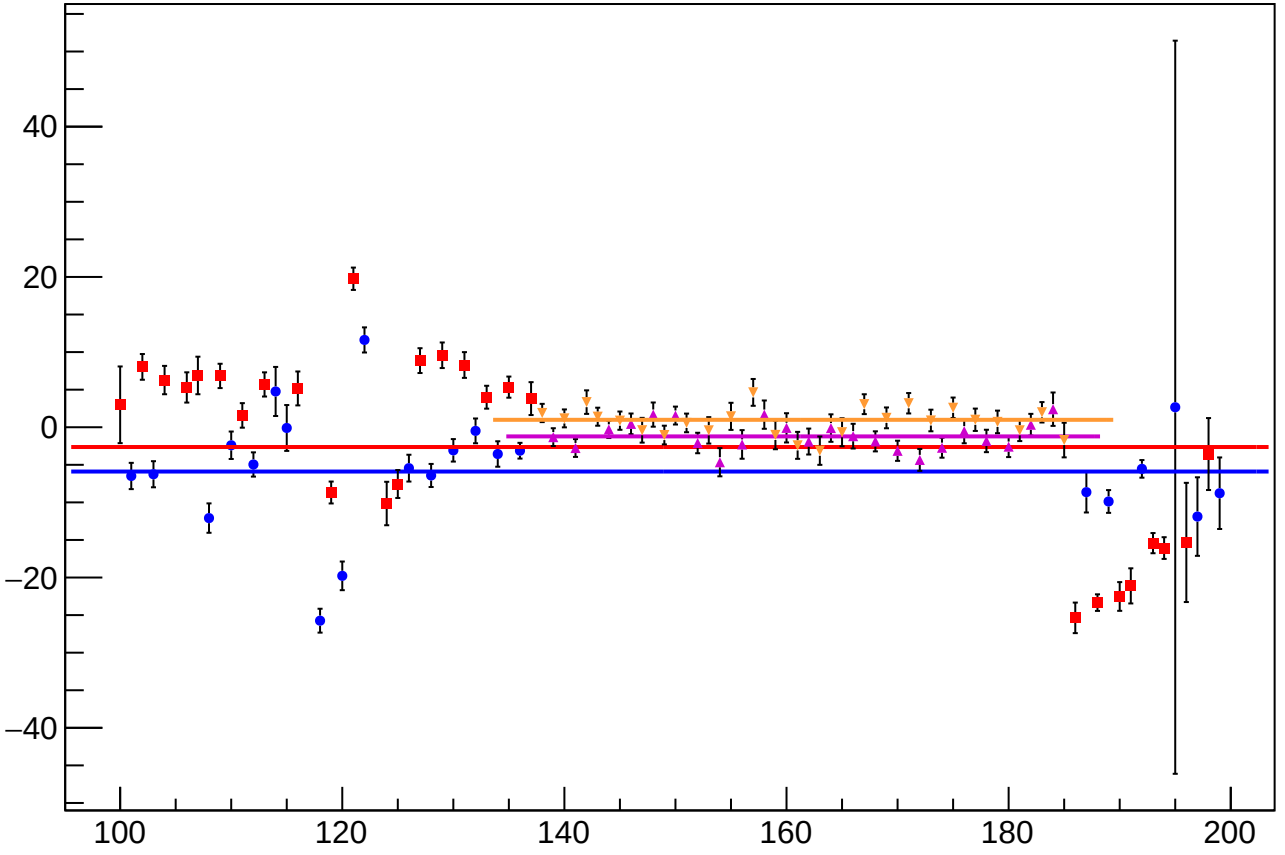
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 7578.945+/-0.997 χ^2/NDF: 3330369.1/46

All: 7608.730+/-0.705 χ^2/NDF: 5166865.7/96

- sign 7638.462+/-0.996 χ^2/NDF: 1834713.8/49

diff_bpm0l09Y_mean vs Slug



Right In: -5.895+/-0.377 χ^2/NDF: 380.4/21

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -2.632+/-0.342 χ^2/NDF: 1458.7/26

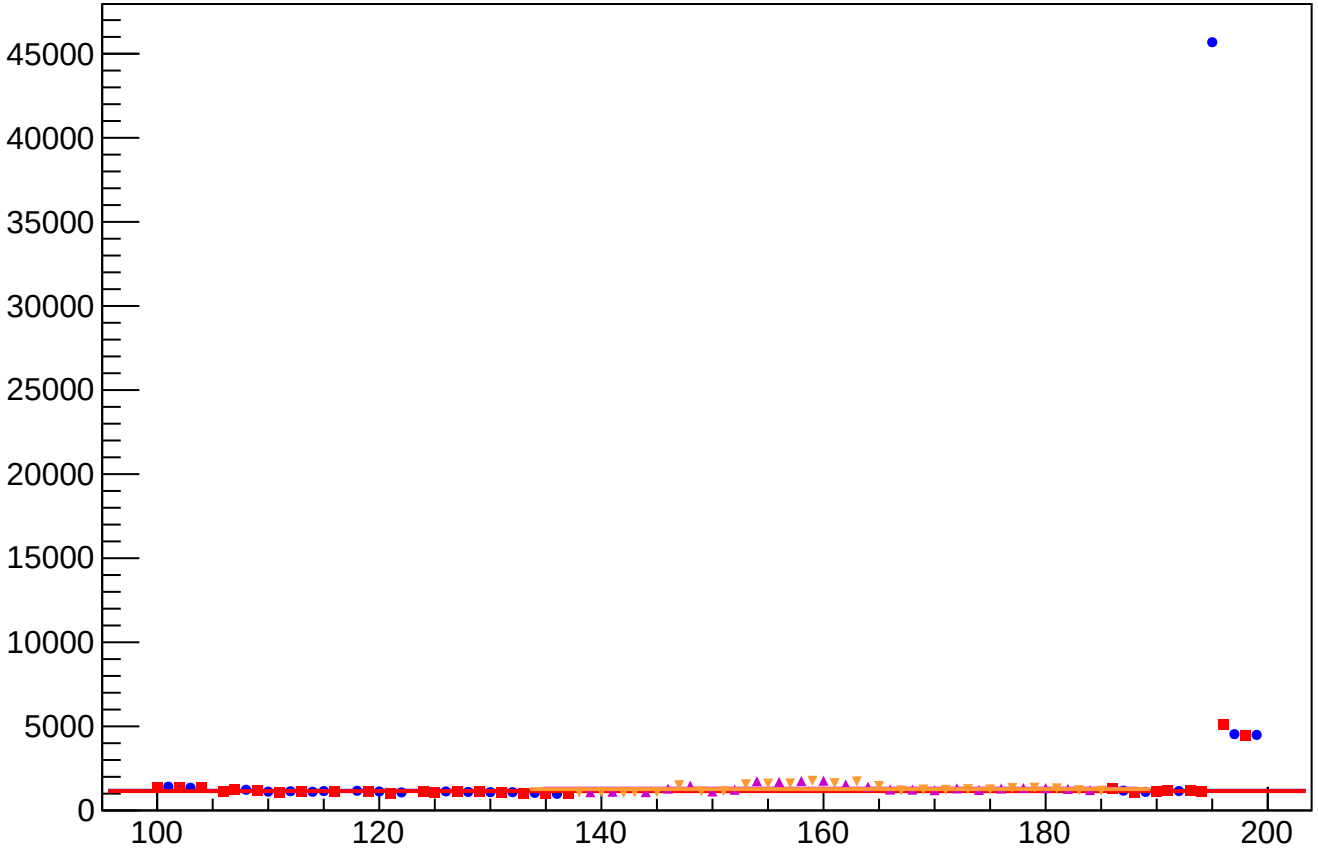
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.594+/-0.231 χ^2/NDF: 619.4/46

All: -1.723+/-0.162 χ^2/NDF: 2121.2/96

- sign -1.849+/-0.228 χ^2/NDF: 1501.3/49

diff_bpm0l09Y_rms vs Slug



Right In: 1171.146+/-0.267 χ^2/NDF: 3636516.4/21

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1151.818+/-0.242 χ^2/NDF: 1620281.4/26

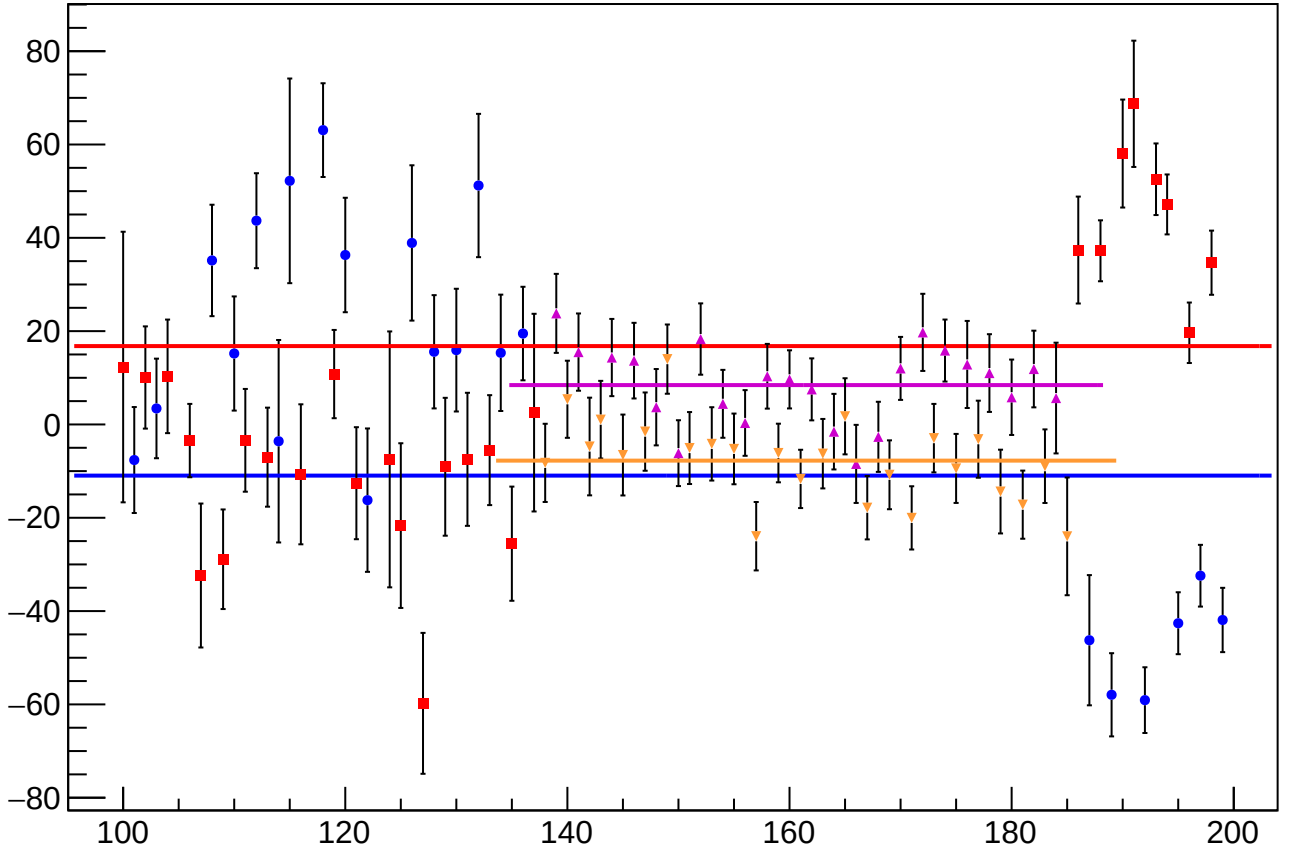
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1231.287+/-0.163 χ^2/NDF: 4596302.1/46

All: 1230.980+/-0.115 χ^2/NDF: 7166696.5/96

- sign 1230.681+/-0.161 χ^2/NDF: 2570387.4/49

diff_bpm0l10X_mean vs Slug



Right In: -10.964+/-2.202 χ^2/NDF: 310.2/21

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 16.796+/-2.001 χ^2/NDF: 198.6/26

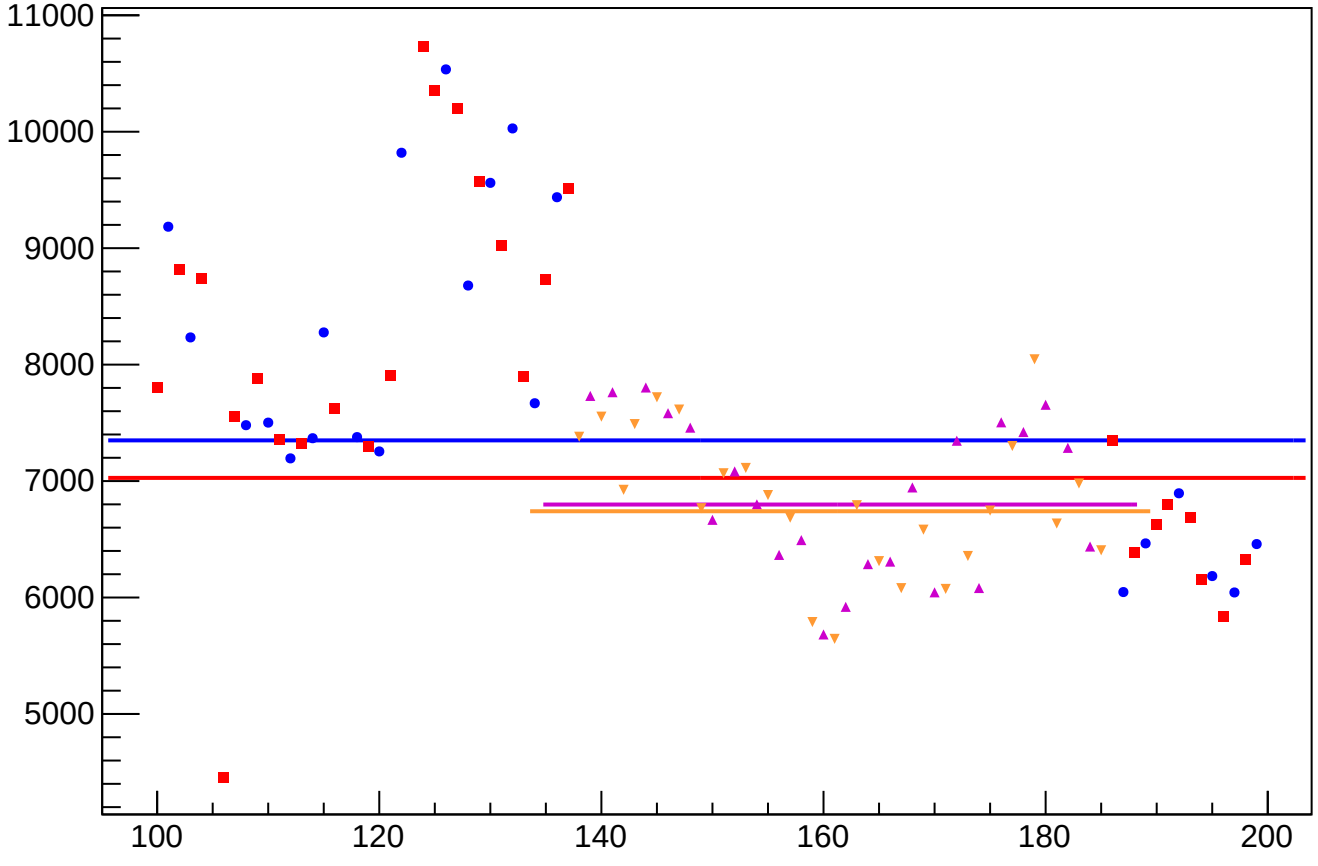
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -8.813+/-1.266 χ^2/NDF: 342.0/46

All: 1.562+/-0.890 χ^2/NDF: 709.0/96

- sign 11.710+/-1.252 χ^2/NDF: 234.1/49

diff_bpm0l10X_rms vs Slug



Right In: 7349.413+/-1.557 χ^2/NDF: 643523.9/21

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7027.232+/-1.415 χ^2/NDF: 866773.6/26

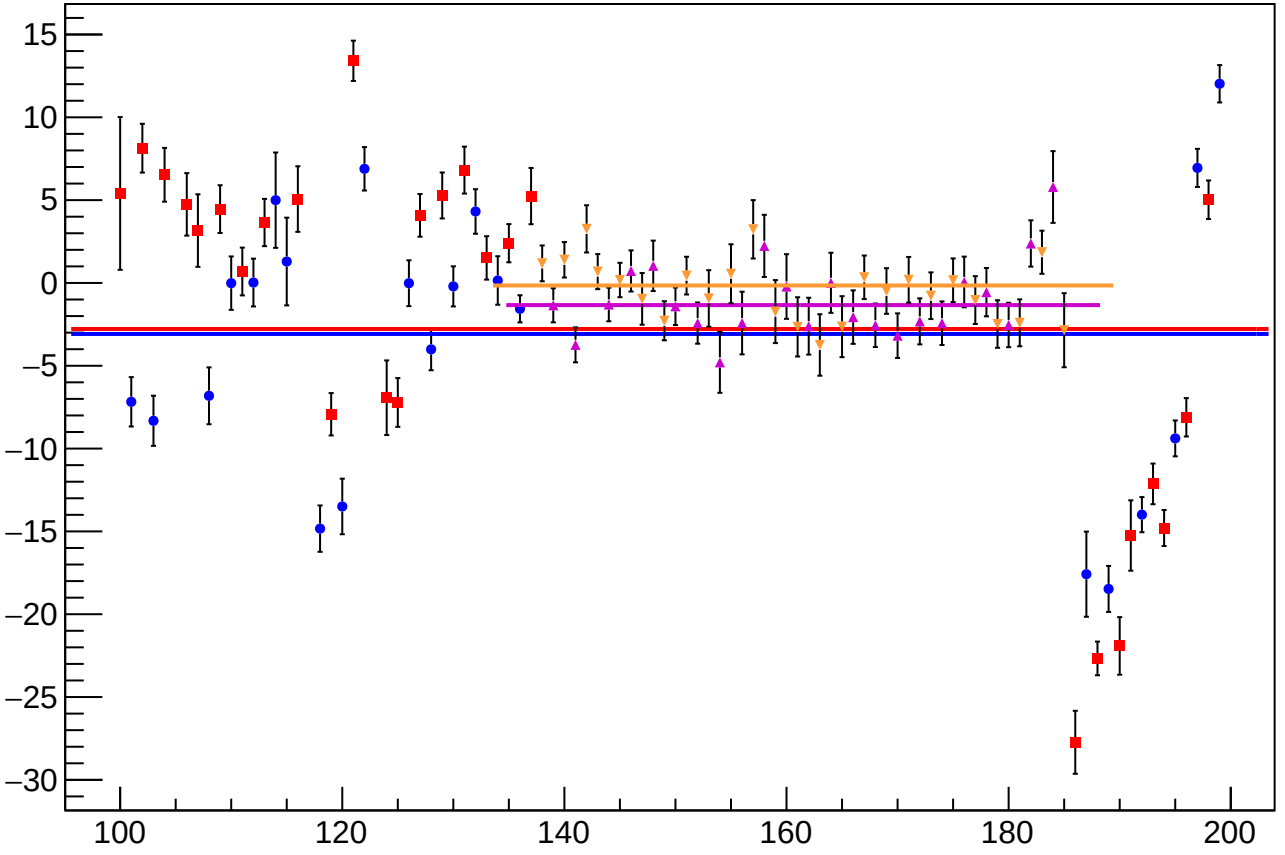
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6941.822+/-0.895 χ^2/NDF: 1062502.9/46

All: 6914.639+/-0.629 χ^2/NDF: 2300283.2/96

- sign 6888.051+/-0.885 χ^2/NDF: 1235955.5/49

diff_bpm0l10Y_mean vs Slug



Right In: -3.079+/-0.288 χ^2/NDF: 809.1/21

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -2.779+/-0.276 χ^2/NDF: 1505.7/26

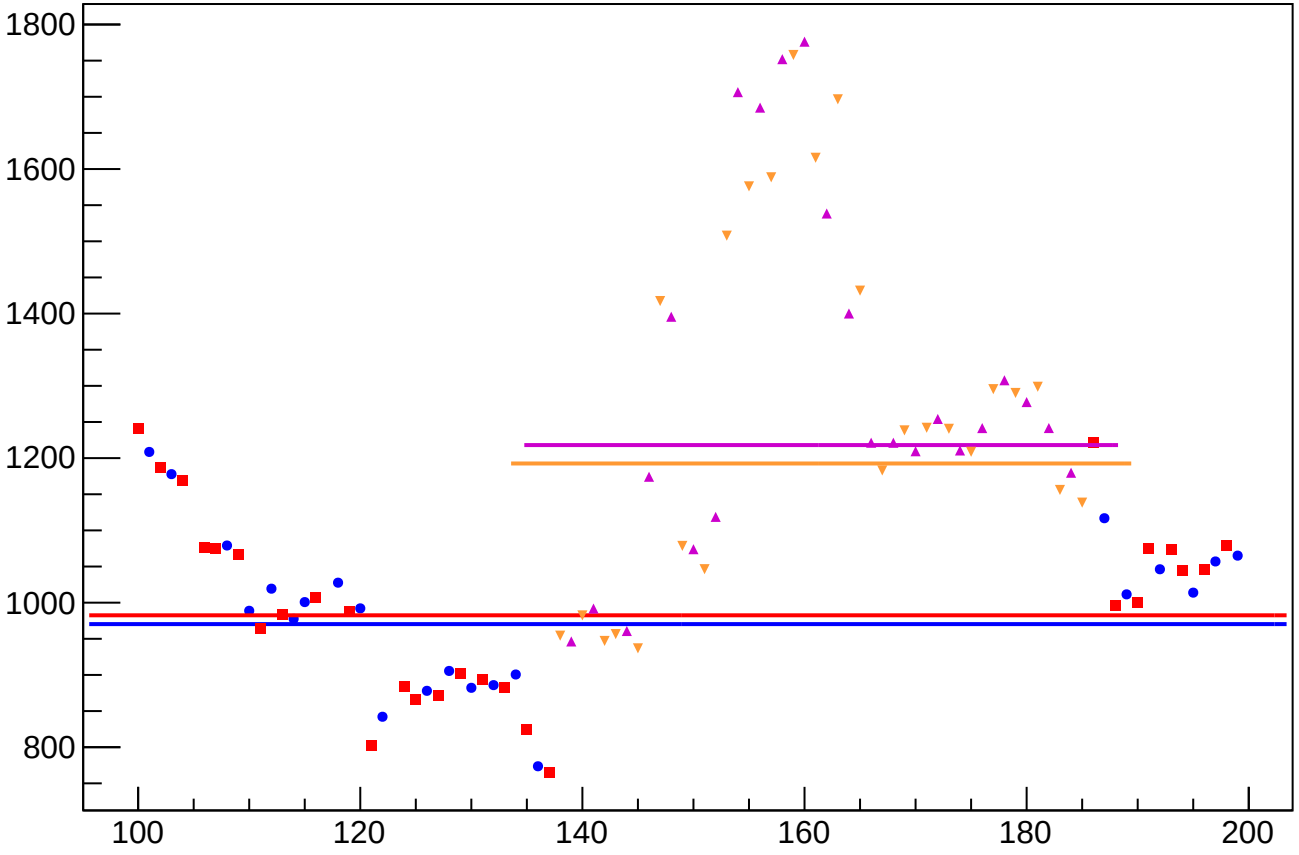
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.560+/-0.199 χ^2/NDF: 898.9/46

All: -1.826+/-0.141 χ^2/NDF: 2465.2/96

- sign -2.094+/-0.200 χ^2/NDF: 1562.7/49

diff_bpm0l10Y_rms vs Slug



Right In: 970.331+/-0.203 χ^2/NDF: 321883.8/21

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 982.518+/-0.195 χ^2/NDF: 332920.3/26

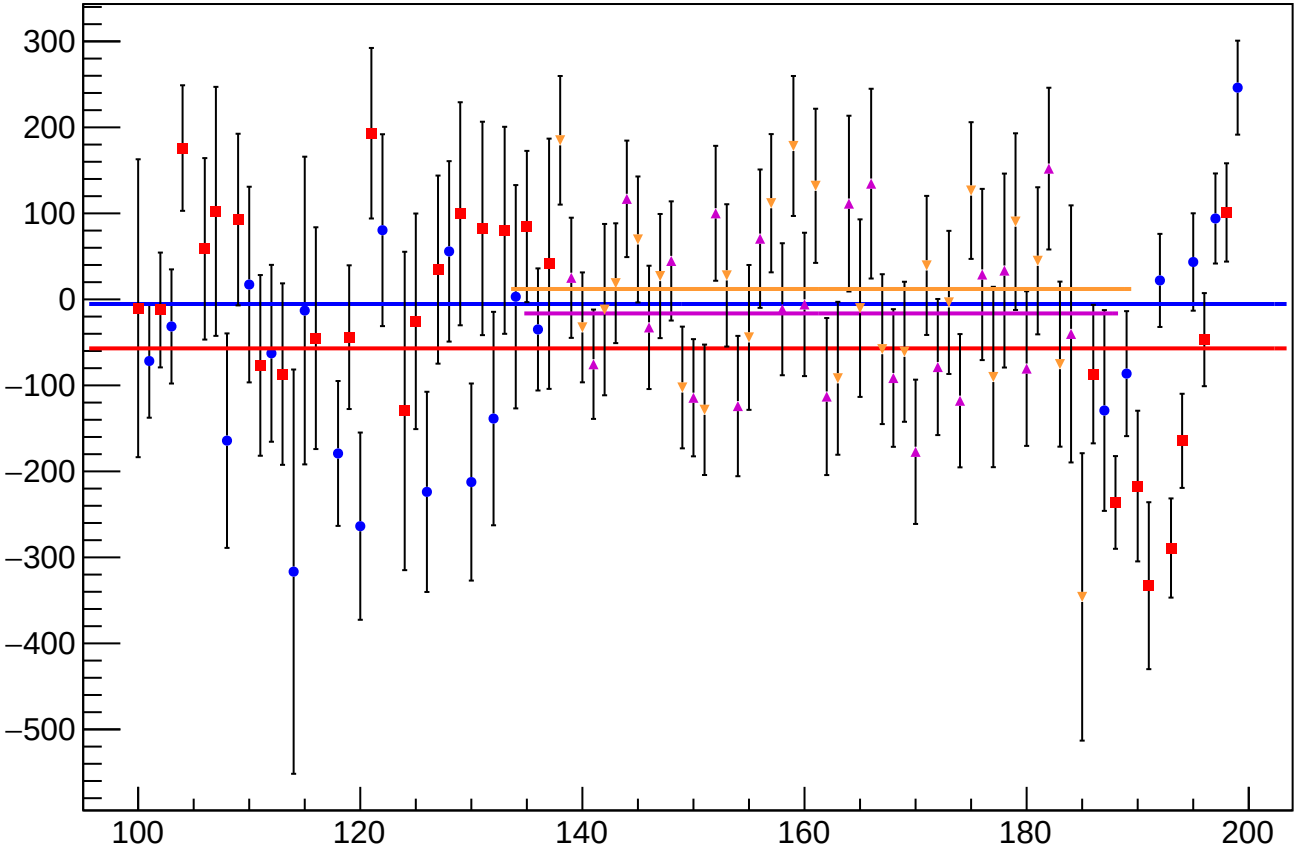
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1085.731+/-0.141 χ^2/NDF: 2262365.4/46

All: 1090.055+/-0.100 χ^2/NDF: 4416953.4/96

- sign 1094.406+/-0.141 χ^2/NDF: 2152700.4/49

diff_bpm0r03X_mean vs Slug



Right In: -5.373+/-17.602 χ^2/NDF: 52.0/21

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: -56.977+/-16.369 χ^2/NDF: 80.2/26

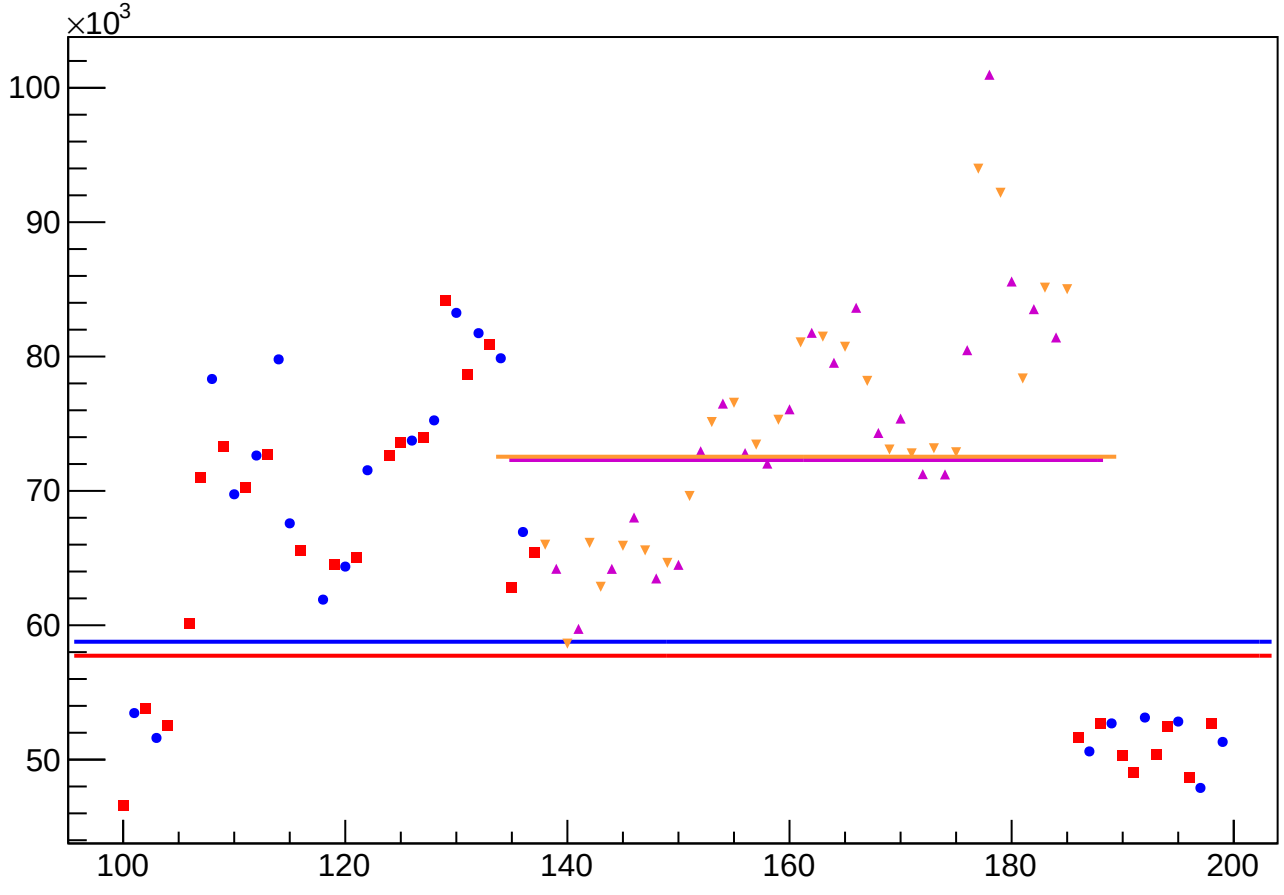
Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

\+ sign 3.861+/-12.080 χ^2/NDF: 85.3/46

All: -17.282+/-8.440 χ^2/NDF: 203.2/96

\- sign -37.447+/-11.797 χ^2/NDF: 111.9/49

diff_bpm0r03X_rms vs Slug



Right In: 58773.555+/-12.447 χ^2/NDF: 708055.8/21

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

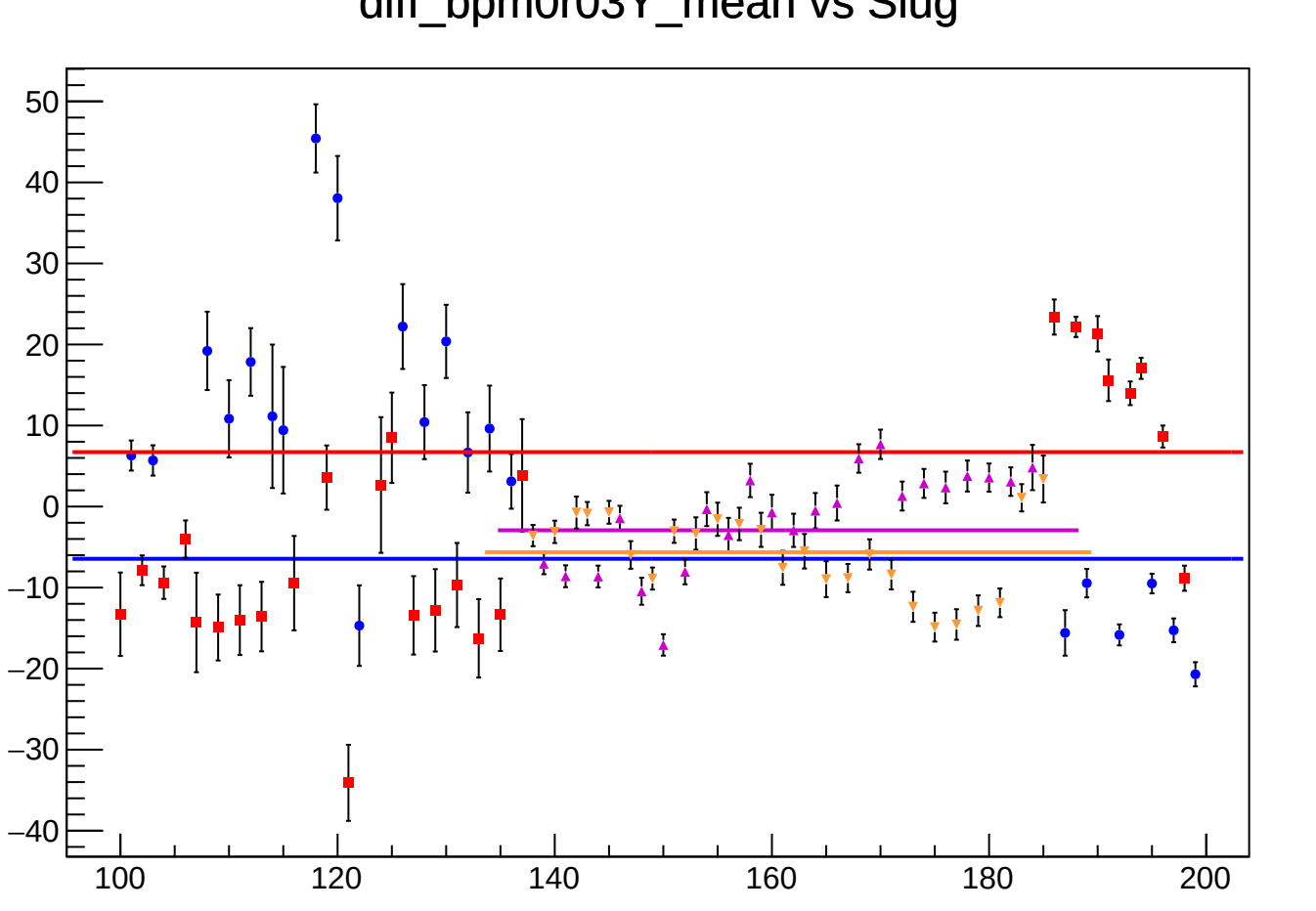
Right Out: 57732.216+/-11.575 χ^2/NDF: 689643.4/26

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 66058.895+/-8.542 χ^2/NDF: 1855706.5/46

All: 65380.458+/-5.968 χ^2/NDF: 3807783.1/9

- sign 64733.388+/-8.342 χ^2/NDF: 1939751.2/49



Right In: -6.447+/-0.512 χ^2/NDF: 701.7/21

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 6.716+/-0.465 χ^2/NDF: 879.4/26

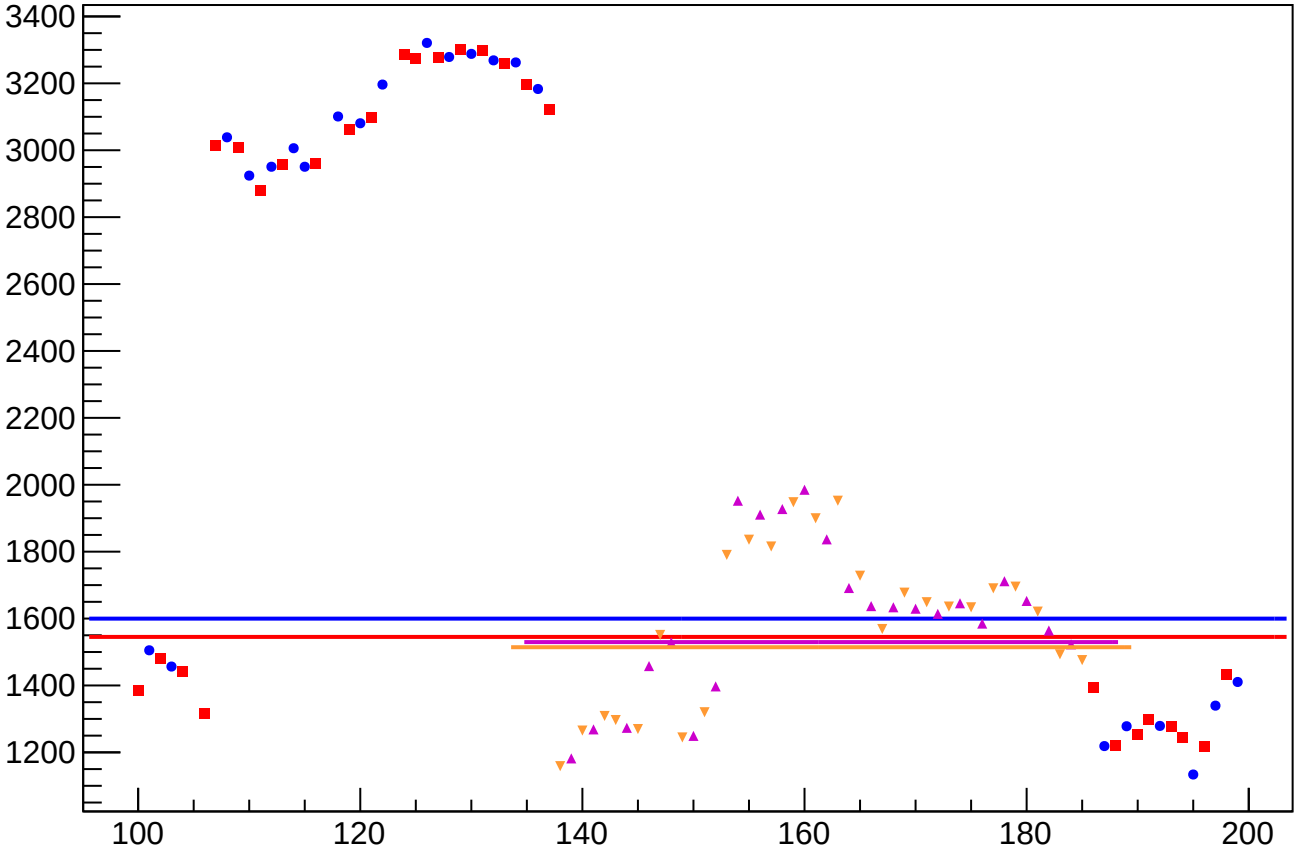
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -5.893+/-0.288 χ^2/NDF: 881.6/46

All: -2.559+/-0.203 χ^2/NDF: 2631.0/96

- sign 0.714+/-0.286 χ^2/NDF: 1484.5/49

diff_bpm0r03Y_rms vs Slug



Right In: 1599.792+/-0.362 χ^2/NDF: 3536668.7/21

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1545.133+/-0.329 χ^2/NDF: 3571268.2/26

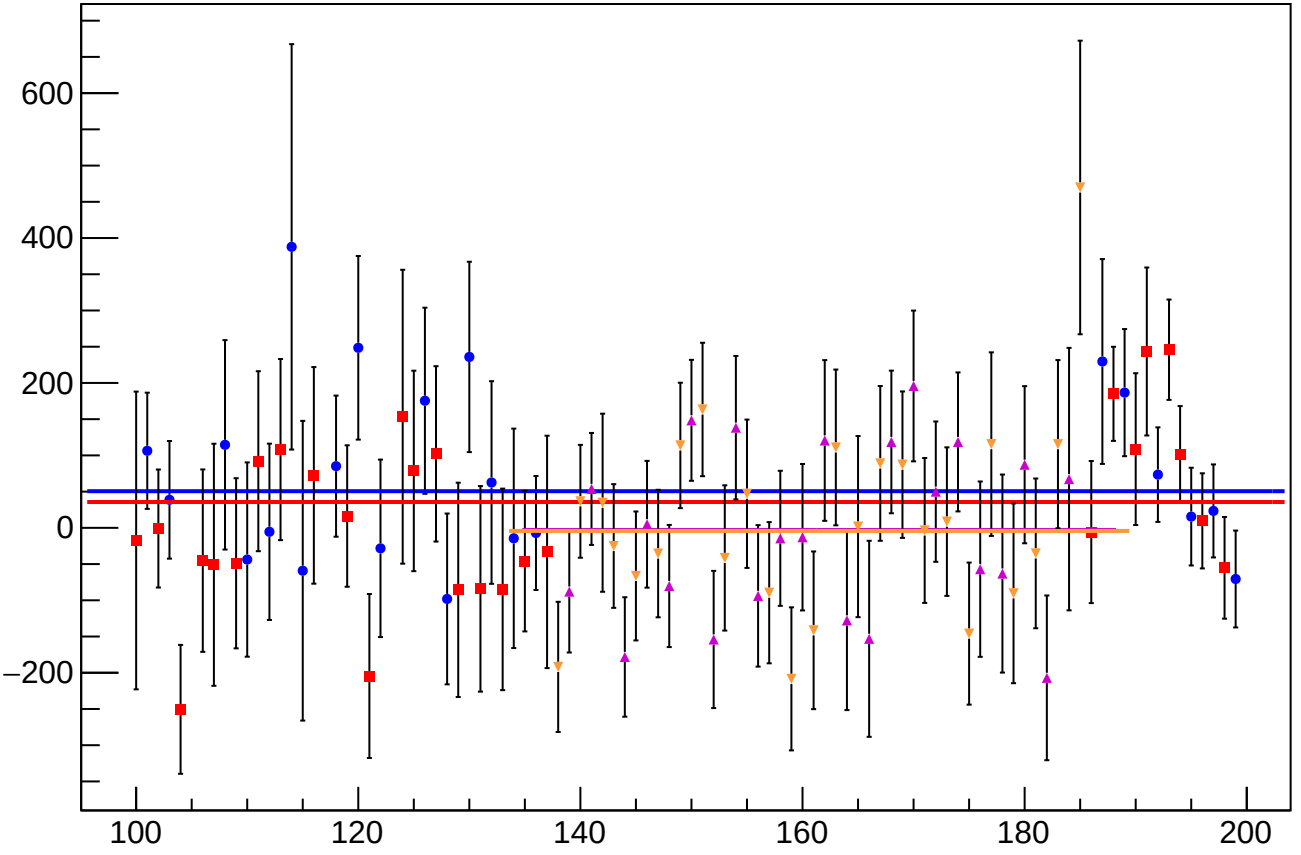
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1541.450+/-0.204 χ^2/NDF: 4508044.4/46

All: 1538.443+/-0.144 χ^2/NDF: 8909608.1/96

- sign 1535.489+/-0.202 χ^2/NDF: 4401132.5/49

diff_bpm0r05X_mean vs Slug



Right In: 50.568+/-20.865 χ^2/NDF: 19.2/21

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

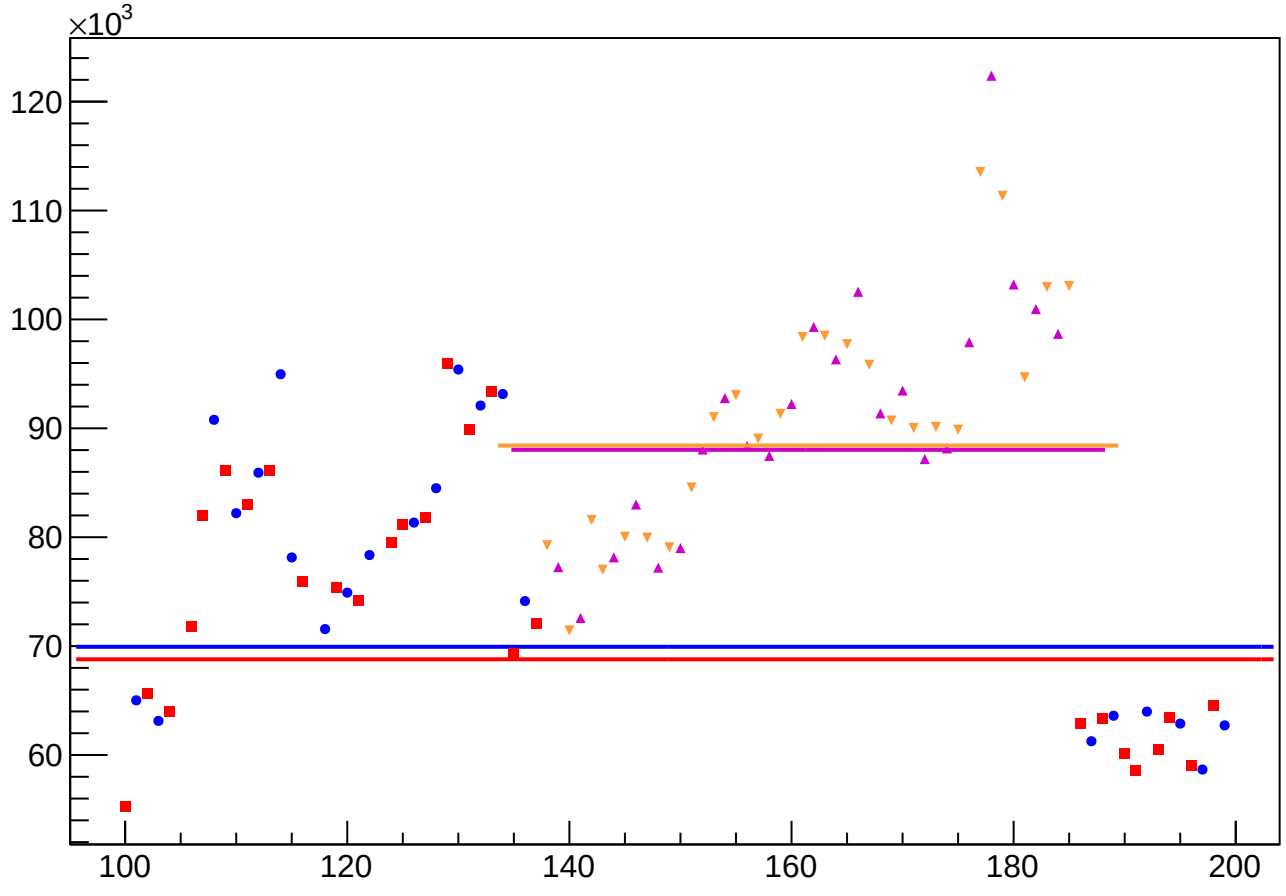
Right Out: 35.677+/-19.448 χ^2/NDF: 41.9/26

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 22.313+/-14.528 χ^2/NDF: 53.3/46

All: 19.876+/-10.148 χ^2/NDF: 127.8/96

- sign 17.554+/-14.180 χ^2/NDF: 74.5/49



Right In: 69937.715+/-14.754 χ^2/NDF: 512460.5/21

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 68789.465+/-13.752 χ^2/NDF: 521359.4/26

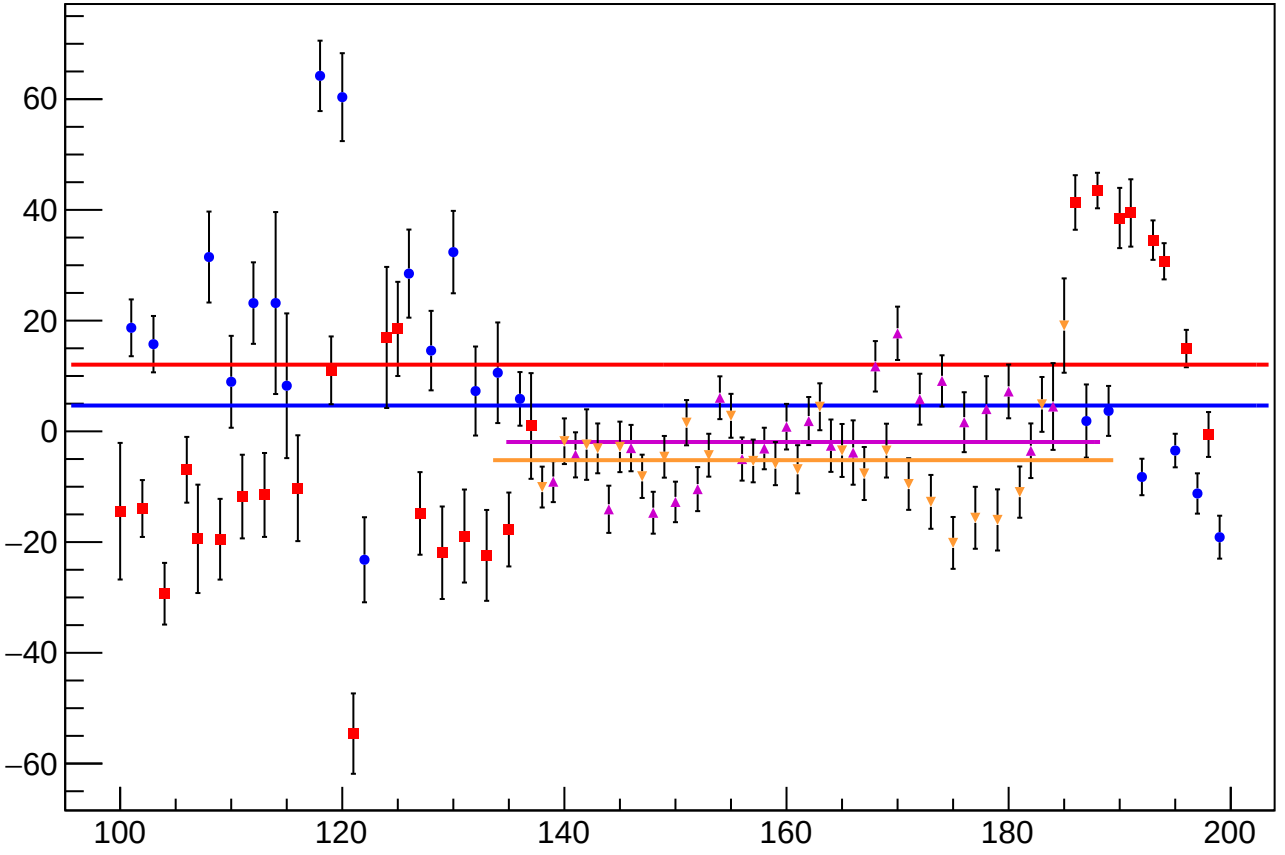
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 79458.728+/-10.273 χ^2/NDF: 1802742.0/46

All: 78608.401+/-7.175 χ^2/NDF: 3738532.6/9

- sign 77798.270+/-10.027 χ^2/NDF: 1922410.9/49

diff_bpm0r05Y_mean vs Slug



Right In: 4.665+/-1.170 χ^2/NDF: 285.7/21

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 12.046+/-1.078 χ^2/NDF: 575.0/26

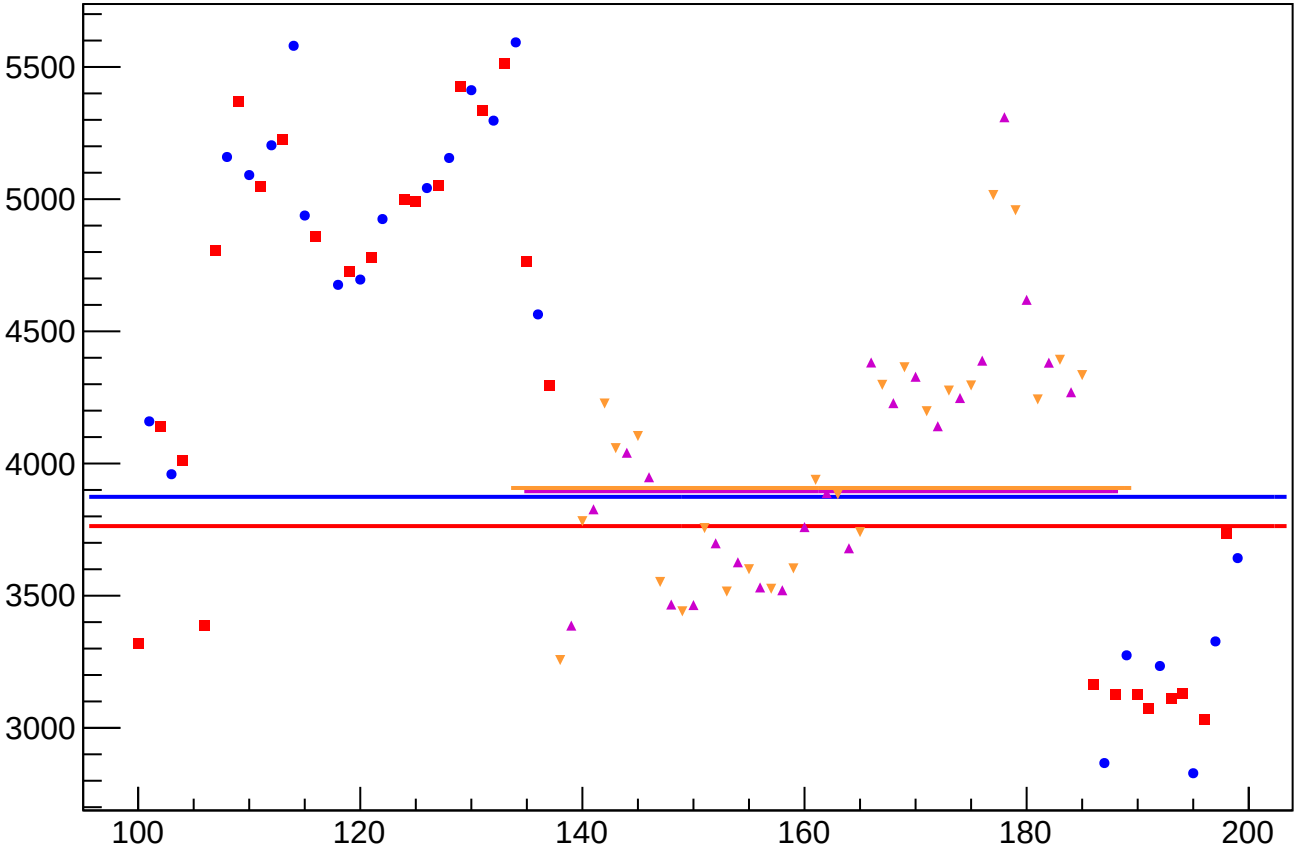
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -1.569+/-0.710 χ^2/NDF: 381.6/46

All: 1.231+/-0.498 χ^2/NDF: 1167.8/96

- sign 3.936+/-0.698 χ^2/NDF: 755.7/49

diff_bpm0r05Y_rms vs Slug



Right In: 3873.938+/-0.828 χ^2/NDF: 1104181.5/21

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3763.299+/-0.762 χ^2/NDF: 1201037.5/26

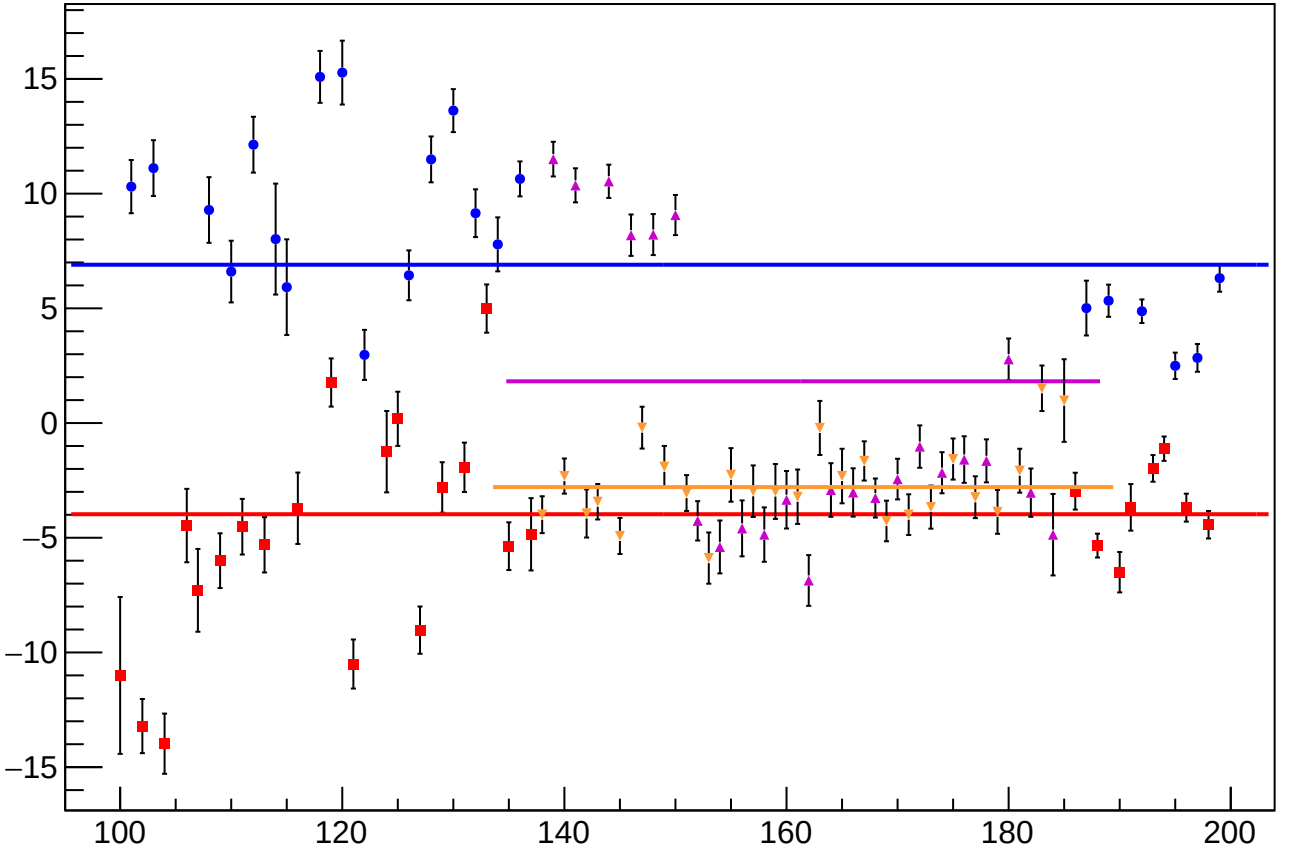
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3895.114+/-0.502 χ^2/NDF: 1546420.6/46

All: 3866.985+/-0.352 χ^2/NDF: 3180897.7/96

- sign 3839.817+/-0.494 χ^2/NDF: 1628312.4/49

diff_bpm2i01X_mean vs Slug



Right In: 6.901+/-0.192 χ^2/NDF: 373.8/21

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -3.974+/-0.177 χ^2/NDF: 375.4/26

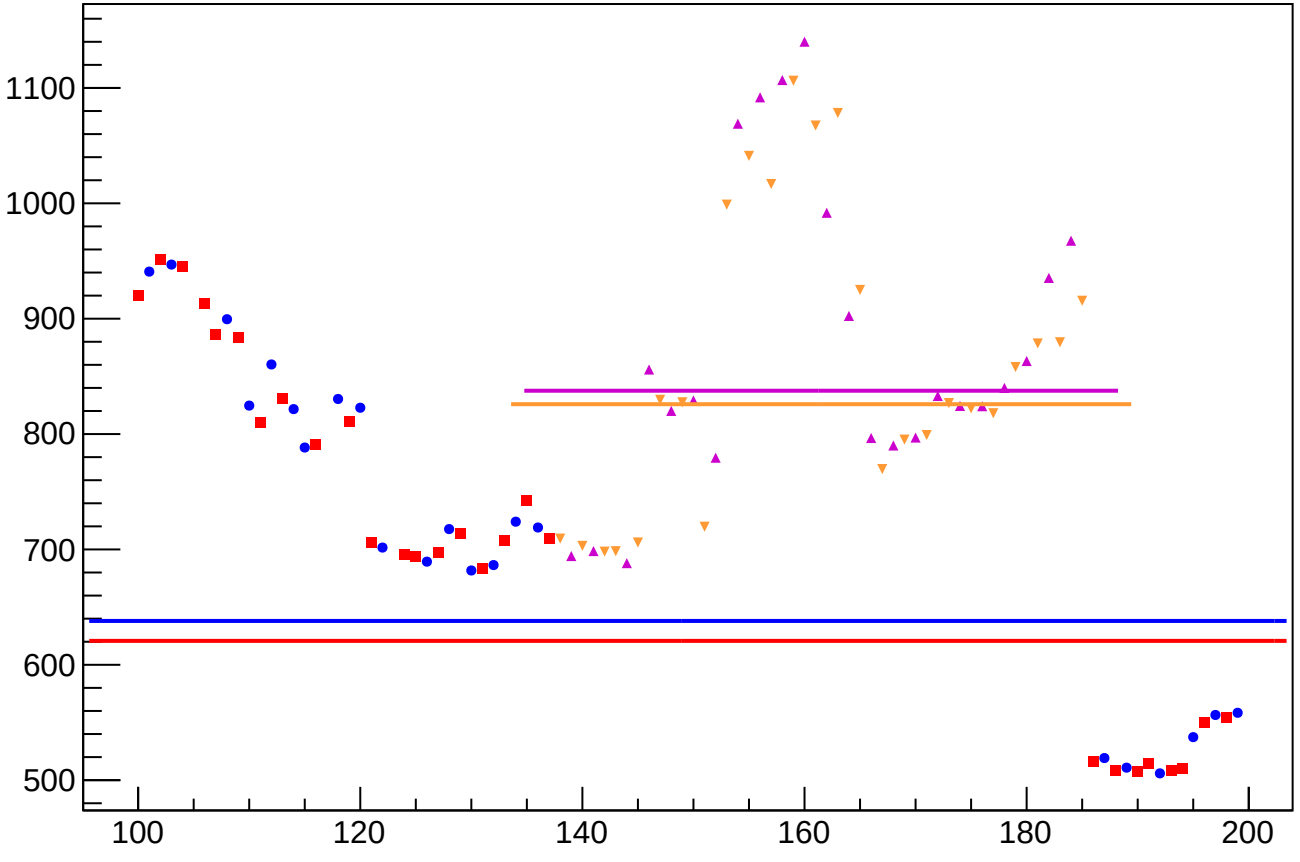
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 2.009+/-0.135 χ^2/NDF: 1730.7/46

All: 0.270+/-0.094 χ^2/NDF: 3931.7/96

- sign -1.397+/-0.132 χ^2/NDF: 1876.0/49

diff_bpm2i01X_rms vs Slug



Right In: 638.021+/-0.136 χ^2/NDF: 970136.9/21

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 620.742+/-0.125 χ^2/NDF: 1201086.8/26

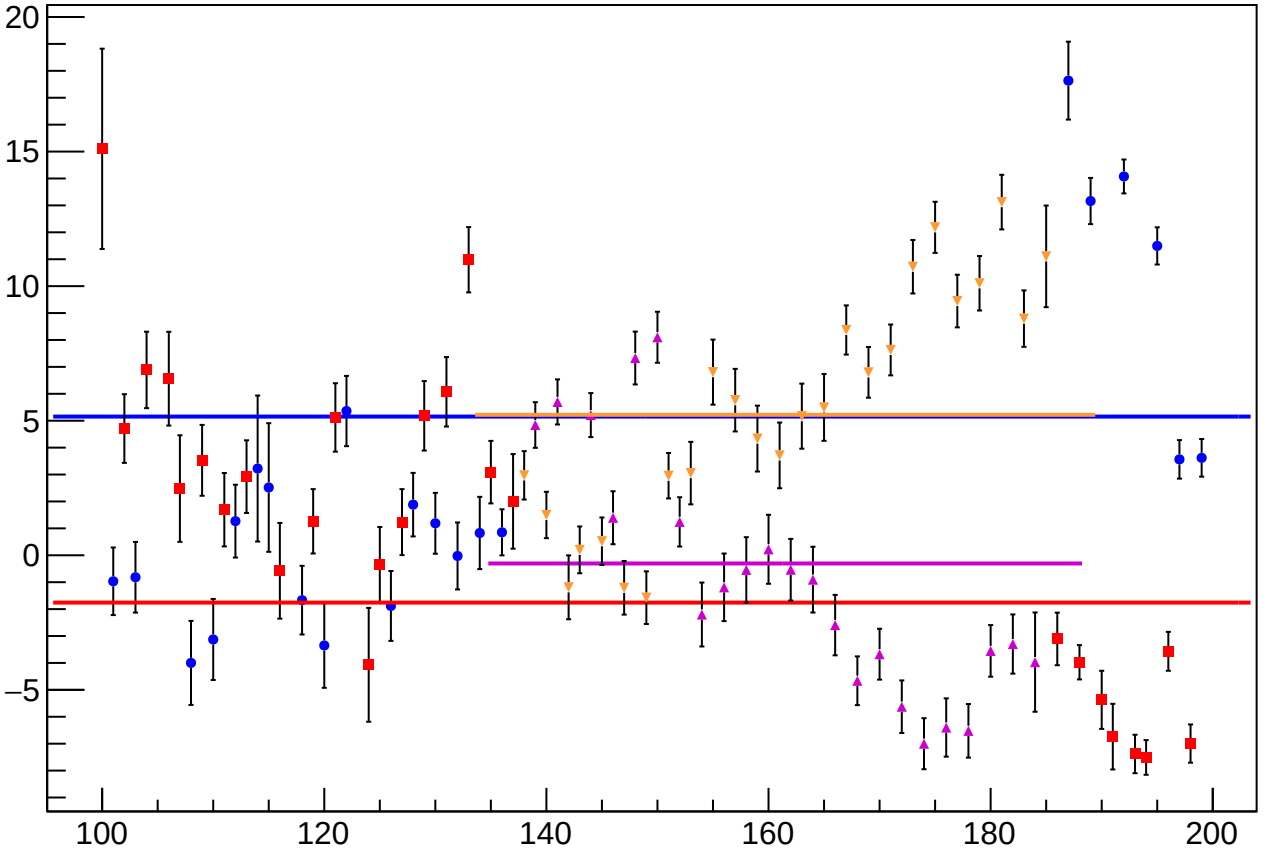
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 732.818+/-0.095 χ^2/NDF: 2703071.0/46

All: 724.841+/-0.067 χ^2/NDF: 5961244.7/96

- sign 717.196+/-0.093 χ^2/NDF: 3244500.5/49

diff_bpm2i01Y_mean vs Slug



Right In: 5.154+/-0.226 χ^2/NDF: 735.2/21

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -1.757+/-0.210 χ^2/NDF: 631.5/26

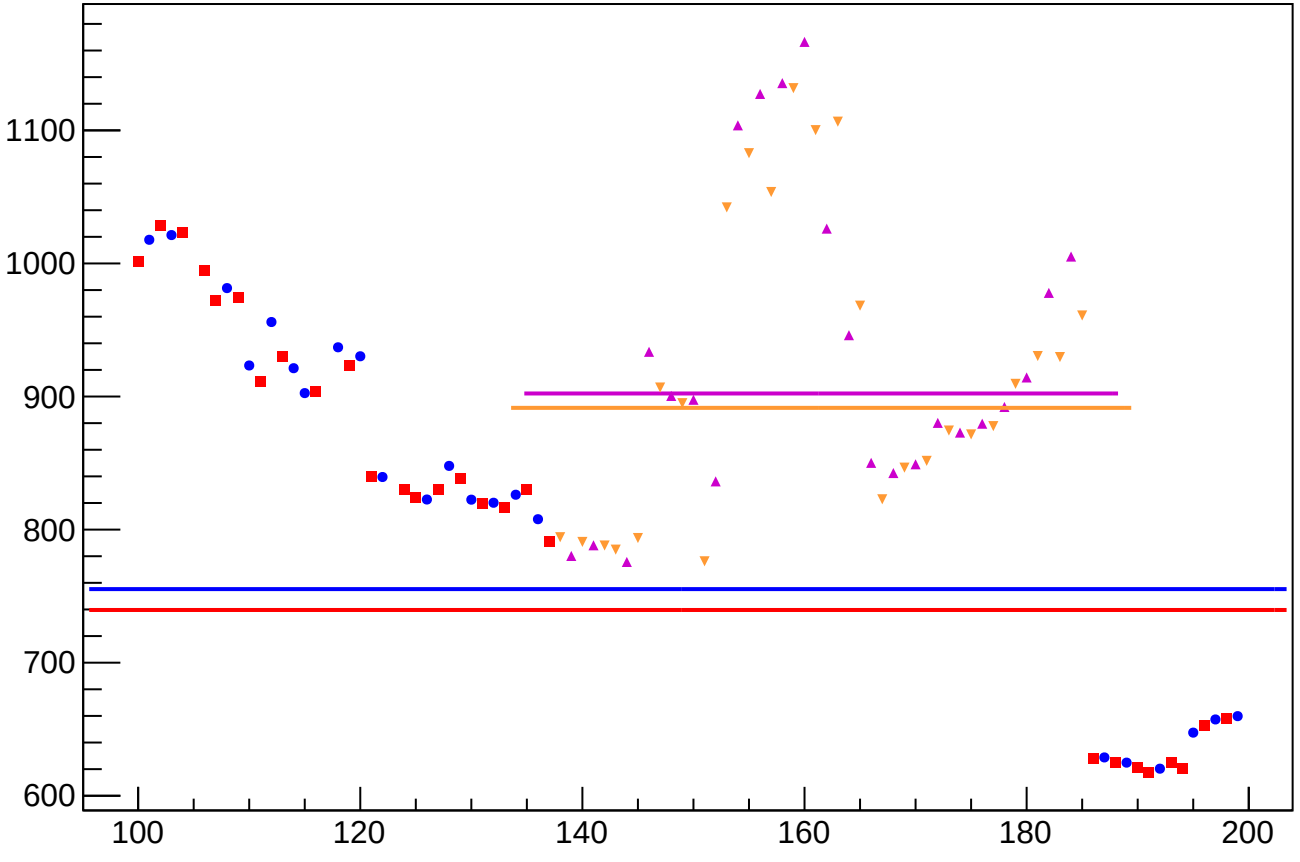
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 5.190+/-0.151 χ^2/NDF: 1185.2/46

All: 2.031+/-0.106 χ^2/NDF: 3193.1/96

- sign -1.040+/-0.149 χ^2/NDF: 1150.4/49

diff_bpm2i01Y_rms vs Slug



Right In: 755.291+/-0.160 χ^2/NDF: 689239.1/21

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 739.604+/-0.148 χ^2/NDF: 848121.5/26

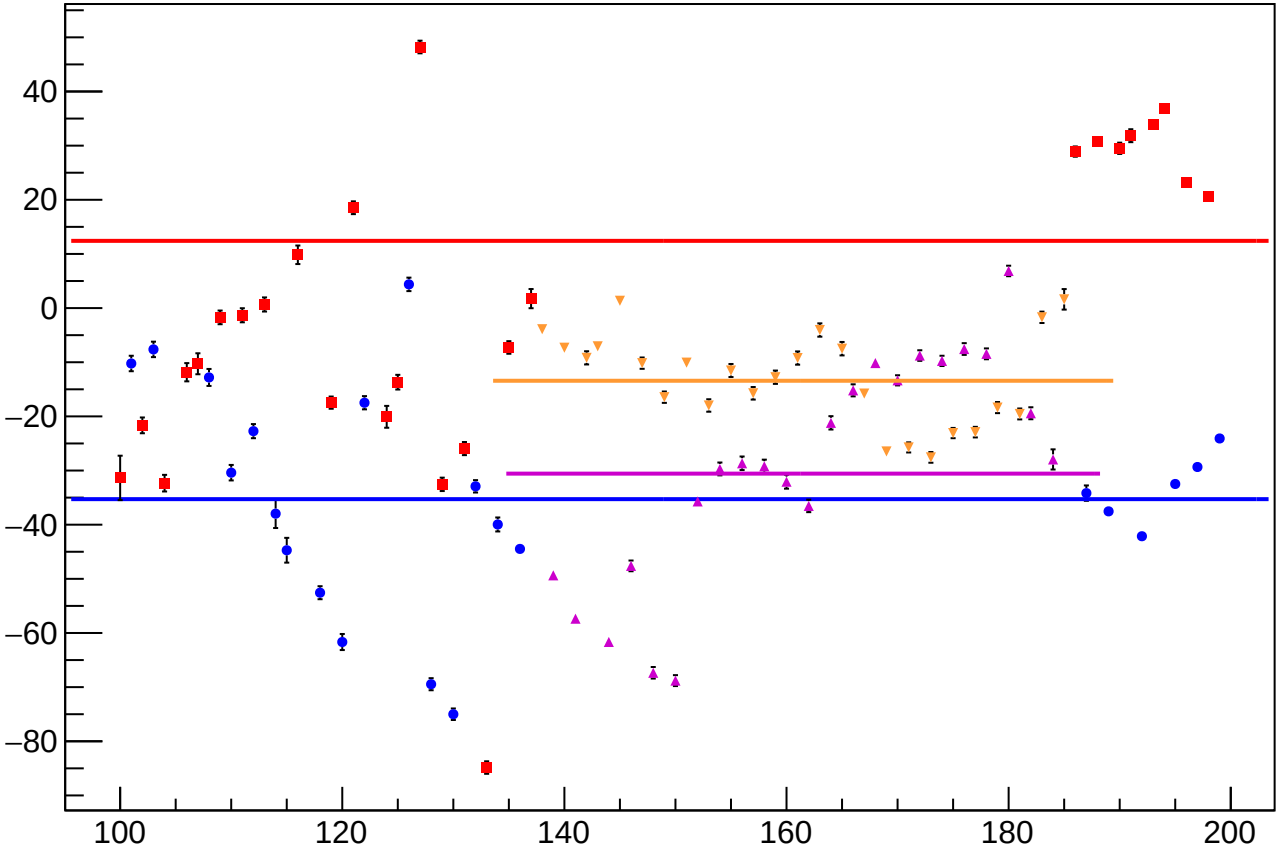
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 830.125+/-0.107 χ^2/NDF: 1607260.4/46

All: 824.928+/-0.075 χ^2/NDF: 3537919.2/96

- sign 819.876+/-0.106 χ^2/NDF: 1926017.4/49

diff_bpm2i02X_mean vs Slug



Right In: -35.284+/-0.221 χ^2/NDF: 5700.6/21

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 12.416+/-0.205 χ^2/NDF: 18742.2/26

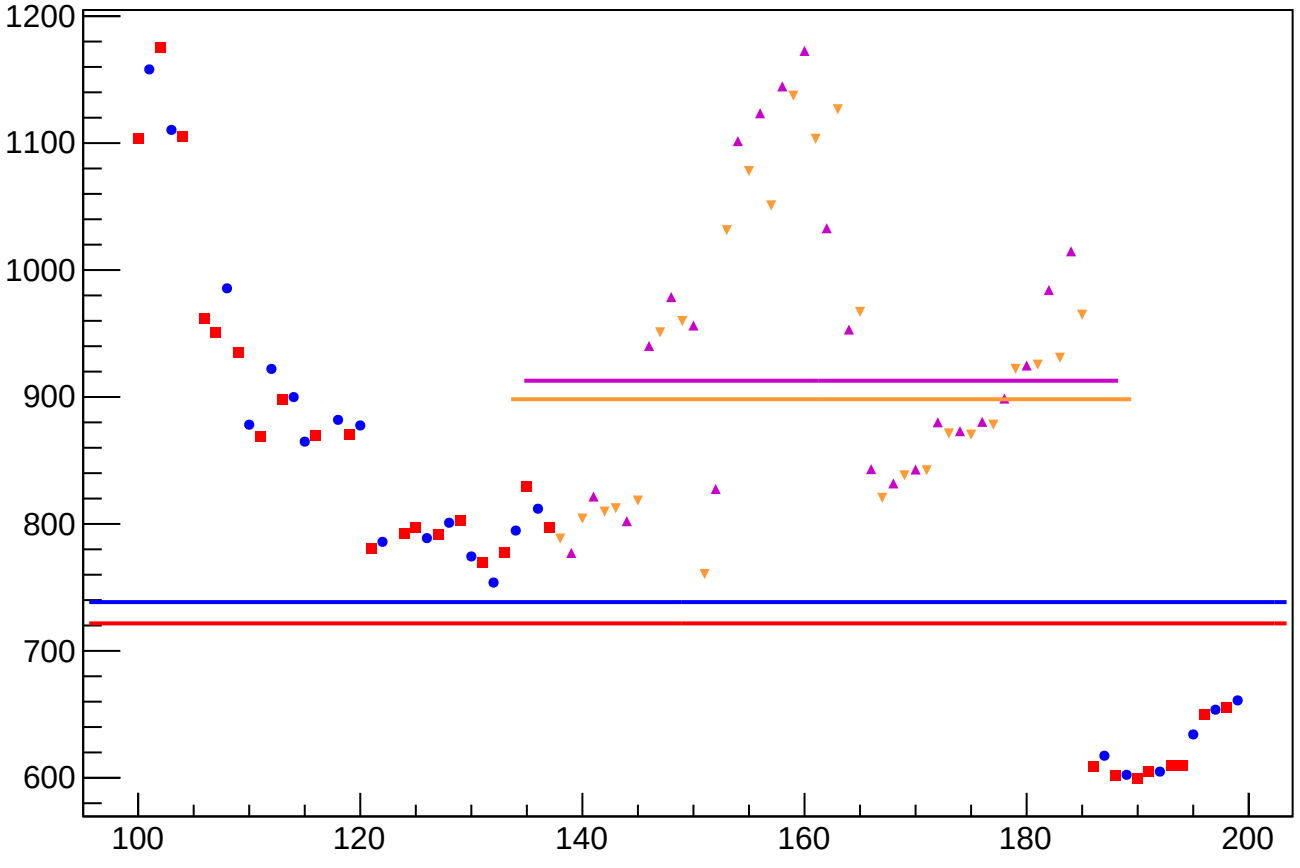
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -23.581+/-0.151 χ^2/NDF: 12601.2/46

All: -15.699+/-0.106 χ^2/NDF: 68034.1/96

- sign -8.048+/-0.148 χ^2/NDF: 50040.9/49

diff_bpm2i02X_rms vs Slug



Right In: 738.428+/-0.156 χ^2/NDF: 773717.4/21

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

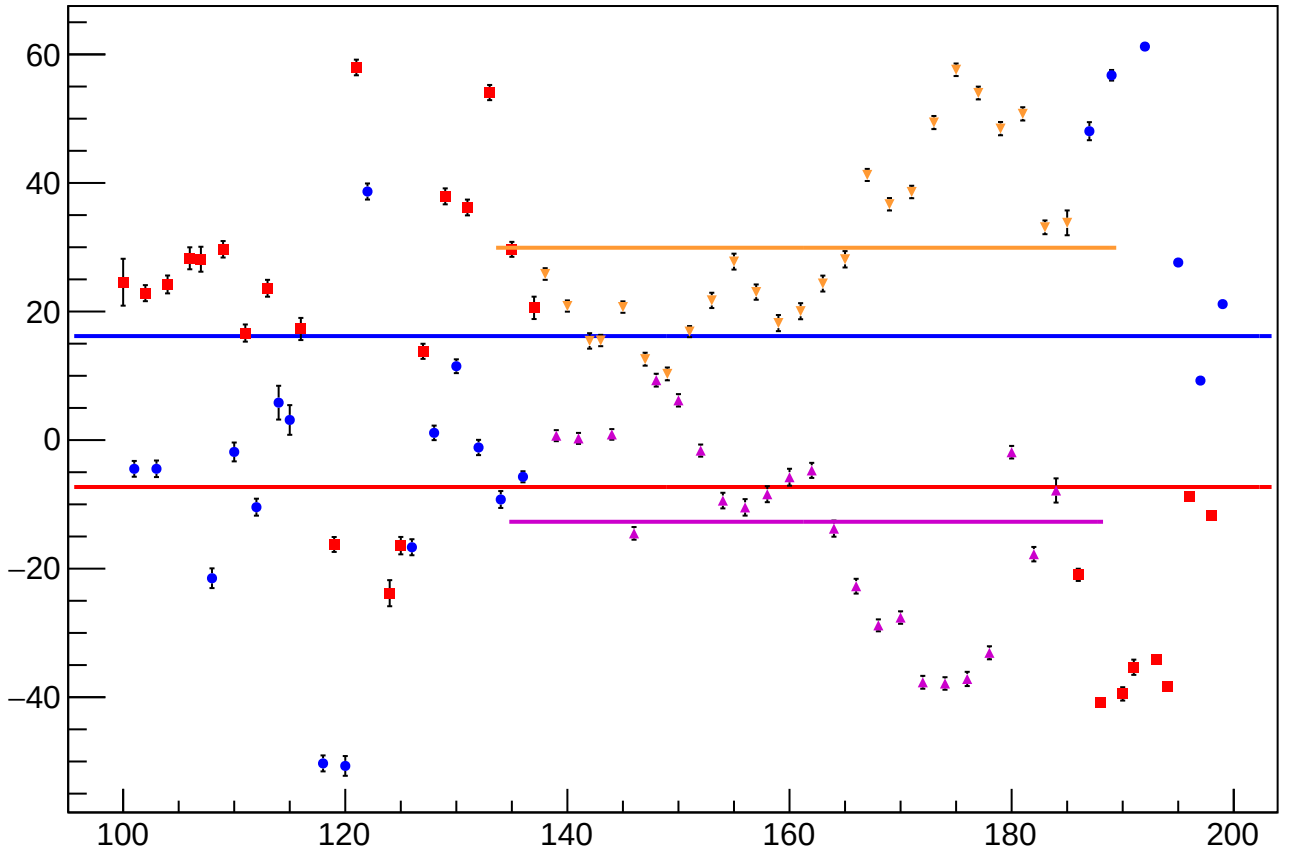
Right Out: 721.653+/-0.145 χ^2/NDF: 934852.5/26

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 823.964+/-0.107 χ^2/NDF: 1851635.4/46

All: 818.227+/-0.075 χ^2/NDF: 4099313.7/96

- sign 812.656+/-0.105 χ^2/NDF: 2241962.7/49



Right In: 16.179+/-0.219 χ^2/NDF: 17827.3/21

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -7.299+/-0.203 χ^2/NDF: 22549.9/26

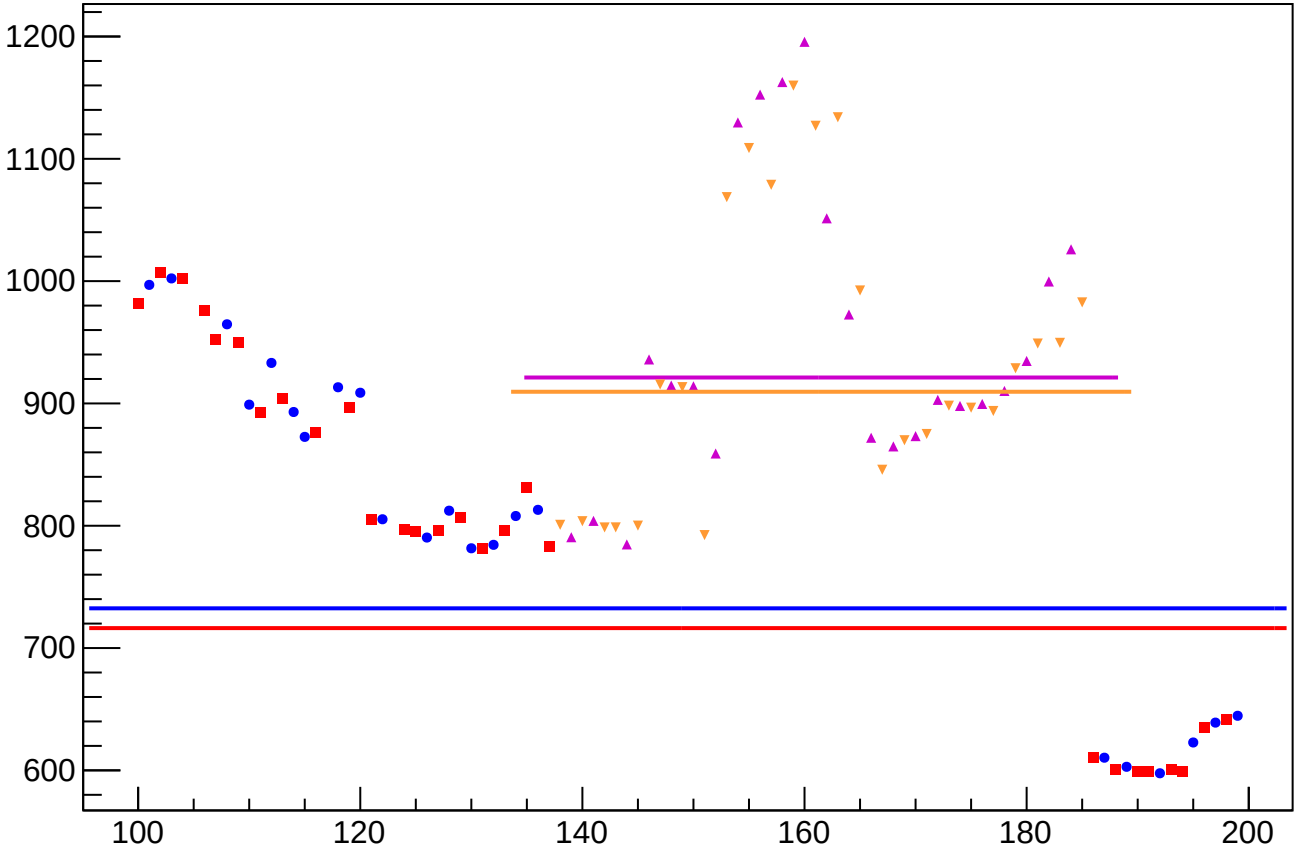
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 23.386+/-0.151 χ^2/NDF: 24472.8/46

All: 6.491+/-0.106 χ^2/NDF: 76745.2/96

- sign -9.827+/-0.148 χ^2/NDF: 27671.6/49

diff_bpm2i02Y_rms vs Slug



Right In: 732.480+/-0.155 χ^2/NDF: 721273.5/21

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

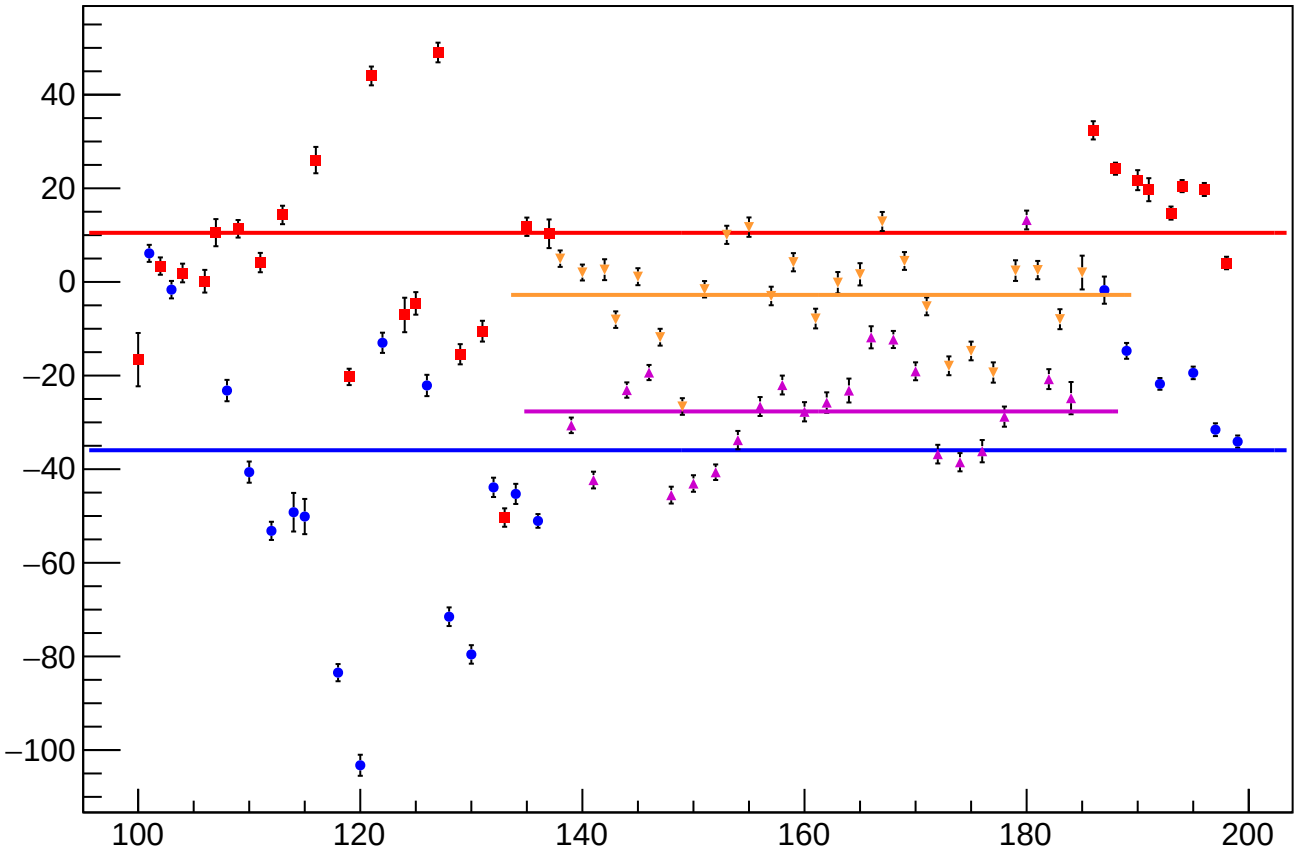
Right Out: 716.304+/-0.144 χ^2/NDF: 883538.4/26

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

\+ sign 825.333+/-0.107 χ^2/NDF: 1948690.9/46

All: 818.576+/-0.075 χ^2/NDF: 4286177.6/96

\- sign 812.050+/-0.105 χ^2/NDF: 2329617.3/49



Right In: -35.953+/-0.393 χ^2/NDF: 4262.3/21

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 10.492+/-0.370 χ^2/NDF: 2712.8/26

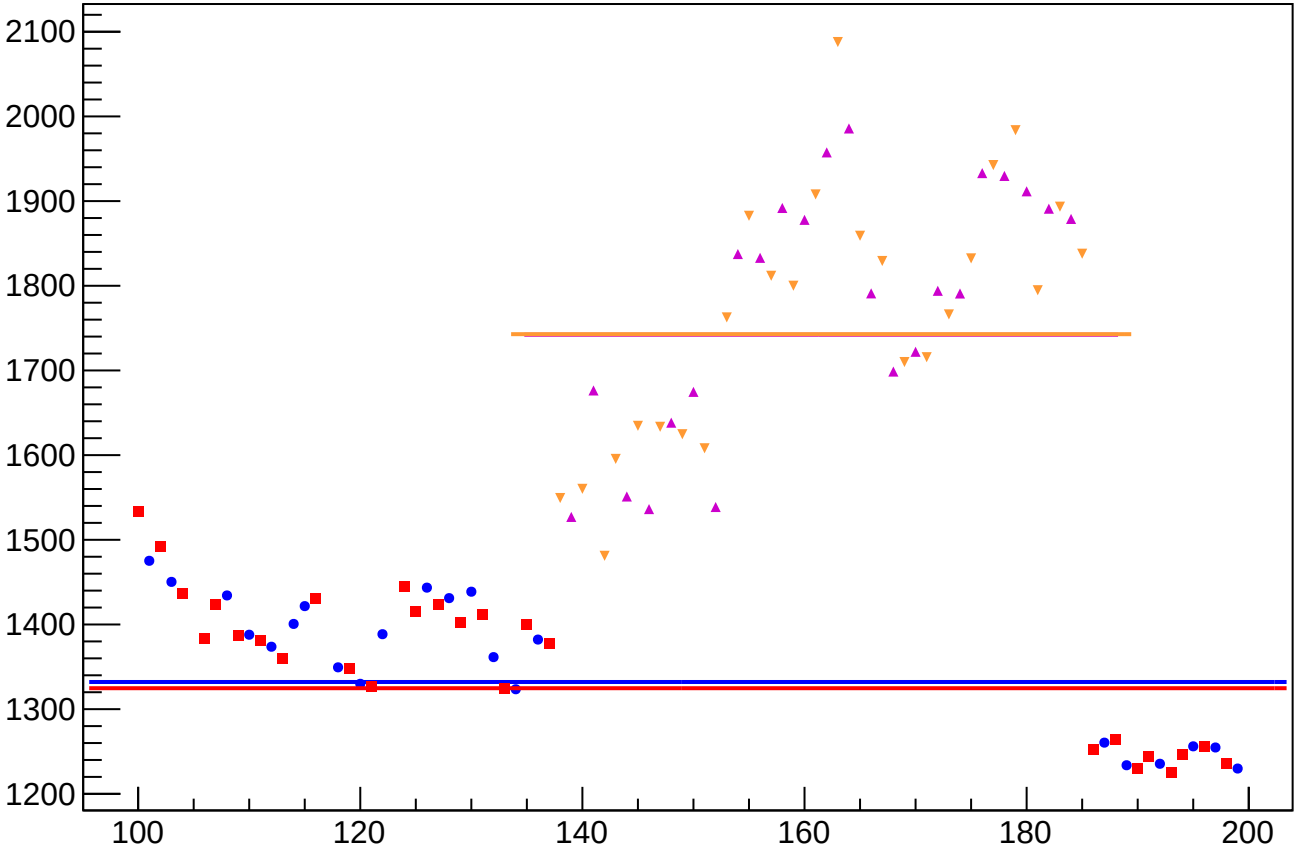
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -19.559+/-0.279 χ^2/NDF: 8406.7/46

All: -13.018+/-0.196 χ^2/NDF: 17973.3/96

- sign -6.706+/-0.274 χ^2/NDF: 8489.2/49

diff_bpm0i02X_rms vs Slug



Right In: 1332.090+/-0.278 χ^2/NDF: 93114.7/21

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1324.741+/-0.262 χ^2/NDF: 99544.8/26

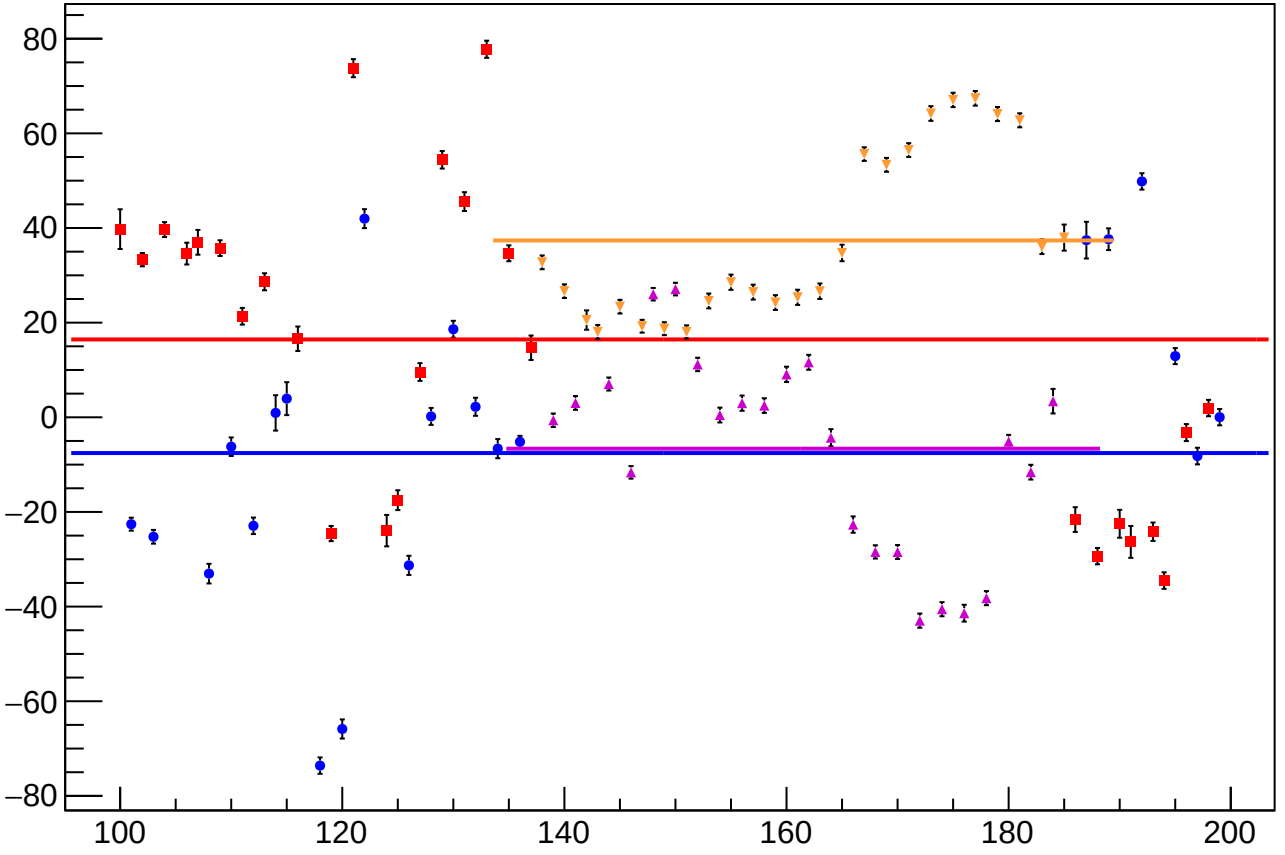
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1535.011+/-0.198 χ^2/NDF: 1437277.3/46

All: 1523.750+/-0.138 χ^2/NDF: 2950539.2/96

- sign 1512.882+/-0.194 χ^2/NDF: 1506874.4/49

diff_bpm0i02Y_mean vs Slug



Right In: -7.554+/-0.395 χ^2/NDF: 5599.0/21

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 16.450+/-0.378 χ^2/NDF: 7315.2/26

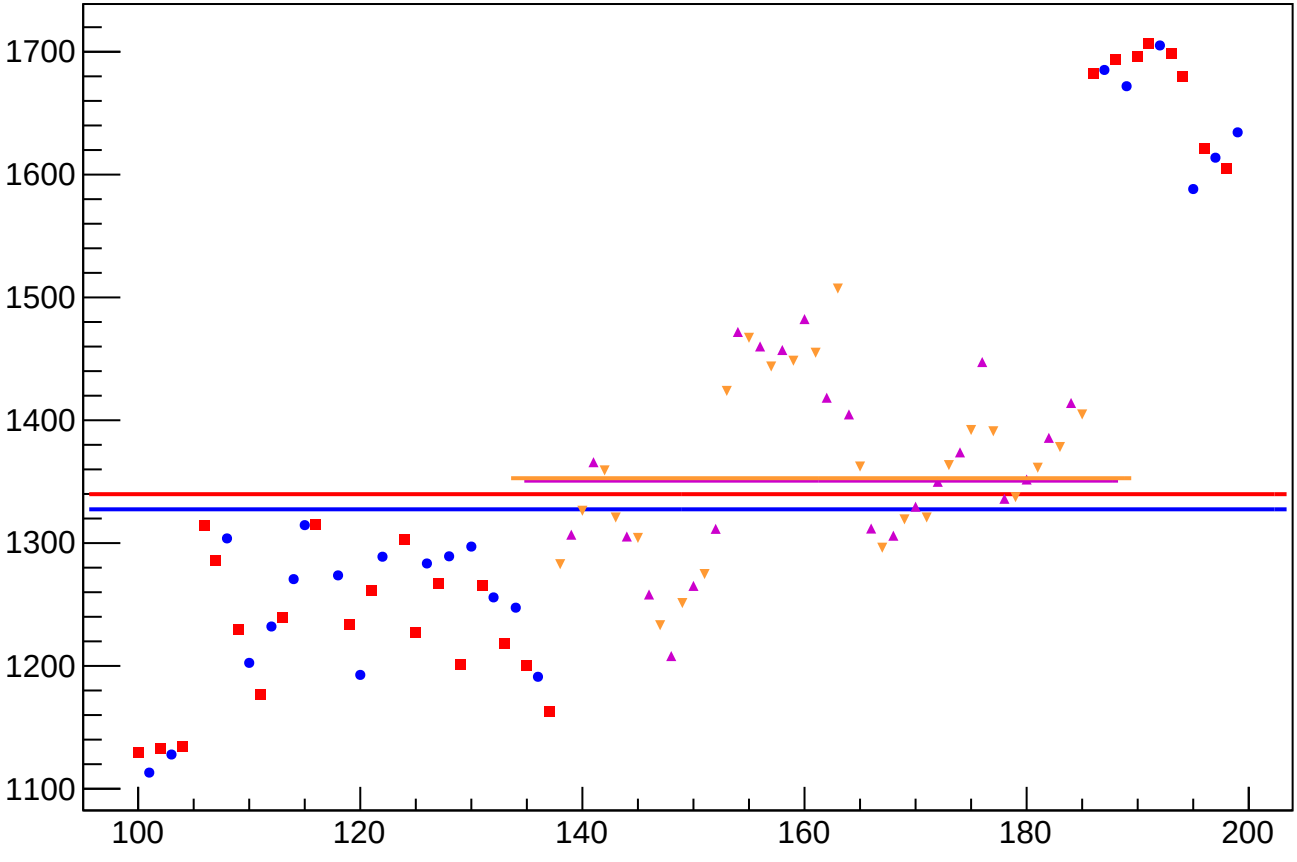
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.375+/-0.243 χ^2/NDF: 17049.5/46

All: 11.609+/-0.172 χ^2/NDF: 33573.0/96

- sign 2.856+/-0.243 χ^2/NDF: 13917.4/49

diff_bpm0i02Y_rms vs Slug



Right In: 1327.497+/-0.279 χ^2/NDF: 465258.0/21

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1339.829+/-0.268 χ^2/NDF: 594633.3/26

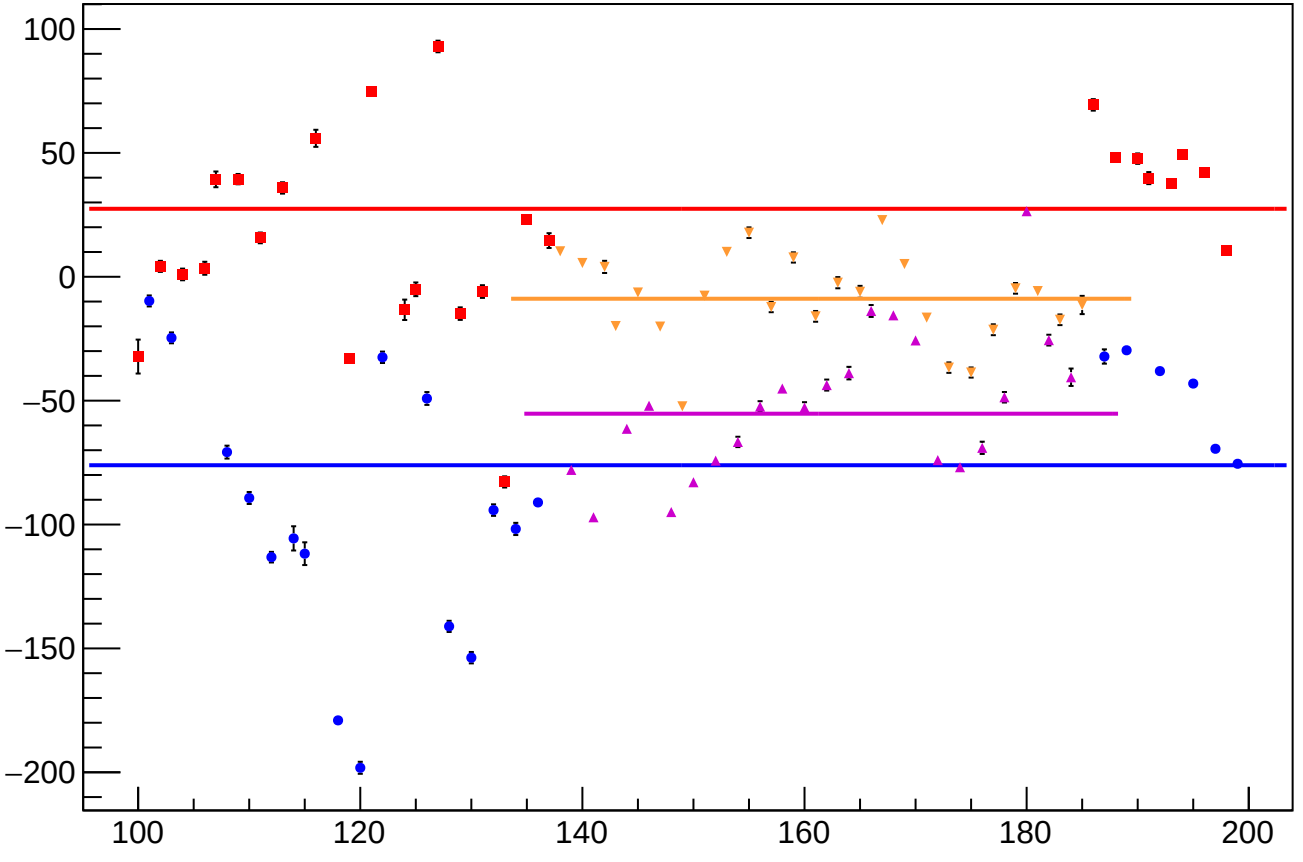
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1343.241+/-0.172 χ^2/NDF: 575222.1/46

All: 1344.775+/-0.121 χ^2/NDF: 1279629.5/96

- sign 1346.308+/-0.172 χ^2/NDF: 704247.6/49

diff_bpm0i02aX_mean vs Slug



Right In: -76.063+/-0.431 χ^2/NDF: 12088.3/21

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 27.444+/-0.402 χ^2/NDF: 7156.7/26

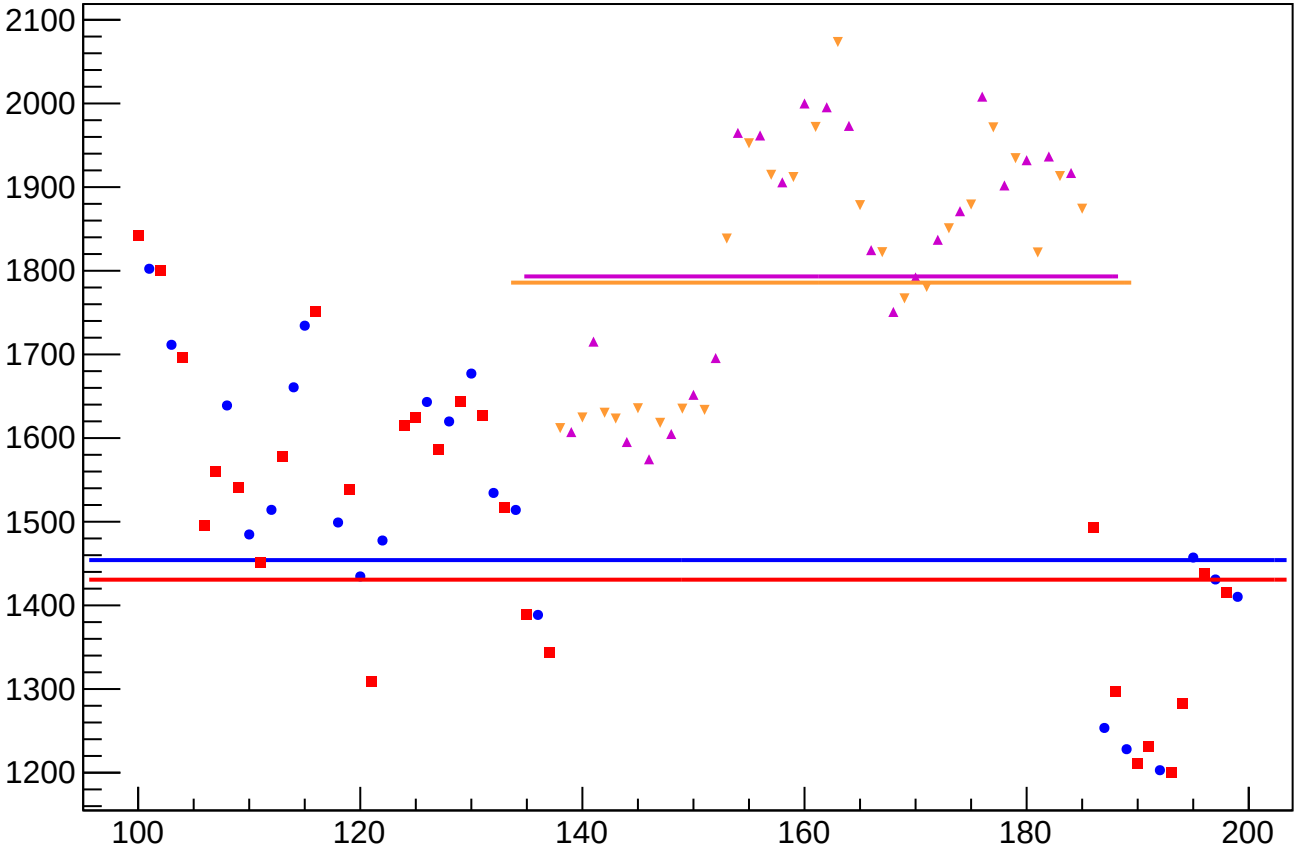
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -40.590+/-0.296 χ^2/NDF: 26903.4/46

All: -26.058+/-0.207 χ^2/NDF: 63757.8/96

- sign -12.042+/-0.291 χ^2/NDF: 32113.8/49

diff_bpm0i02aX_rms vs Slug



Right In: 1454.130+/-0.304 χ^2/NDF: 280909.1/21

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1430.724+/-0.284 χ^2/NDF: 329821.1/26

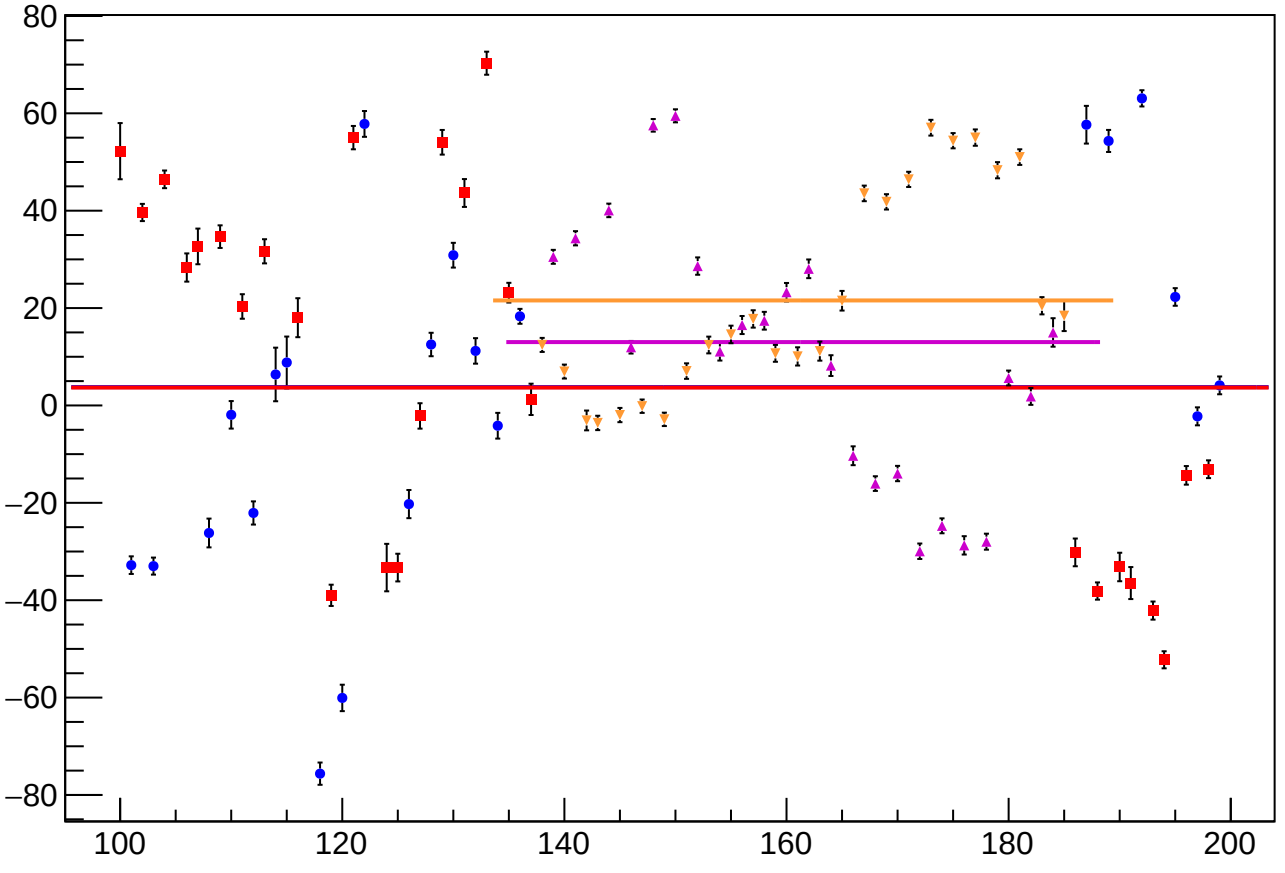
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1629.220+/-0.209 χ^2/NDF: 1144837.1/46

All: 1616.277+/-0.147 χ^2/NDF: 2511903.7/96

- sign 1603.794+/-0.205 χ^2/NDF: 1359546.1/49

diff_bpm0i02aY_mean vs Slug



Right In: 3.765+/-0.484 χ^2/NDF: 5626.5/21

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 3.677+/-0.459 χ^2/NDF: 6889.5/26

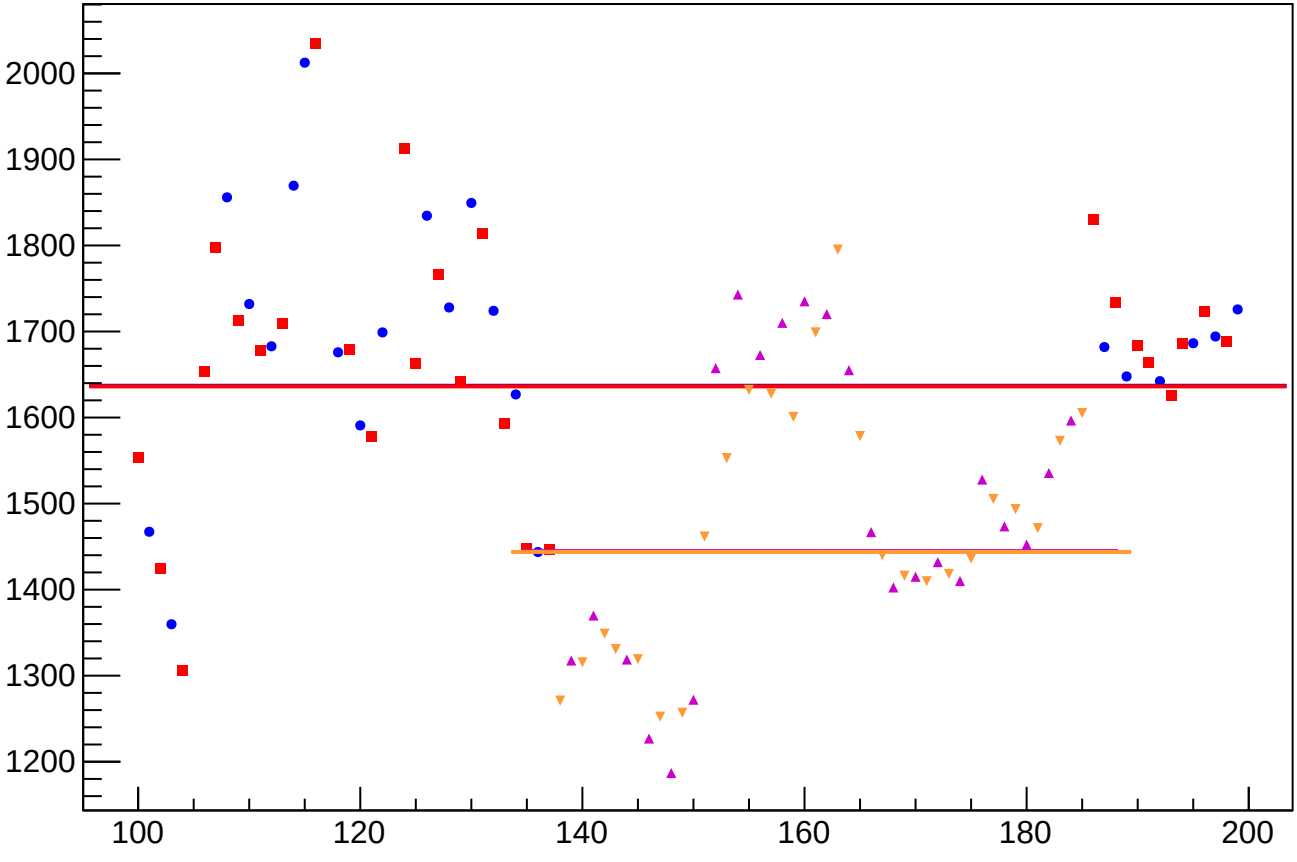
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 15.920+/-0.273 χ^2/NDF: 10710.8/46

All: 12.818+/-0.193 χ^2/NDF: 24754.3/96

- sign 9.704+/-0.273 χ^2/NDF: 13784.1/49

diff_bpm0i02aY_rms vs Slug



Right In: 1636.929+/-0.342 χ^2/NDF: 166304.7/21

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1636.242+/-0.324 χ^2/NDF: 193435.2/26

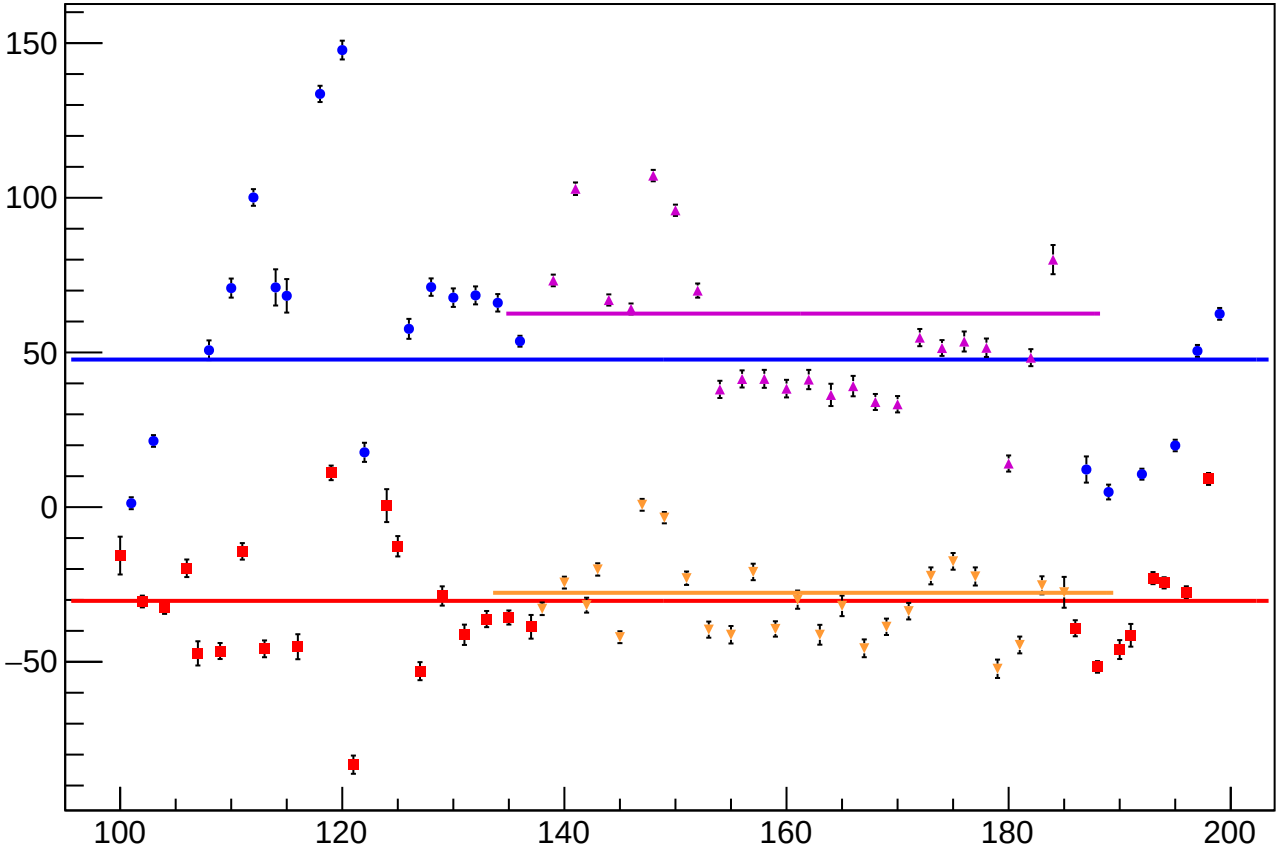
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1505.080+/-0.193 χ^2/NDF: 736044.3/46

All: 1508.871+/-0.136 χ^2/NDF: 1640188.5/96

- sign 1512.678+/-0.193 χ^2/NDF: 903369.1/49

diff_bpm0i05X_mean vs Slug



Right In: 47.707+/-0.528 χ^2/NDF: 4825.3/21

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -30.301+/-0.495 χ^2/NDF: 1564.9/26

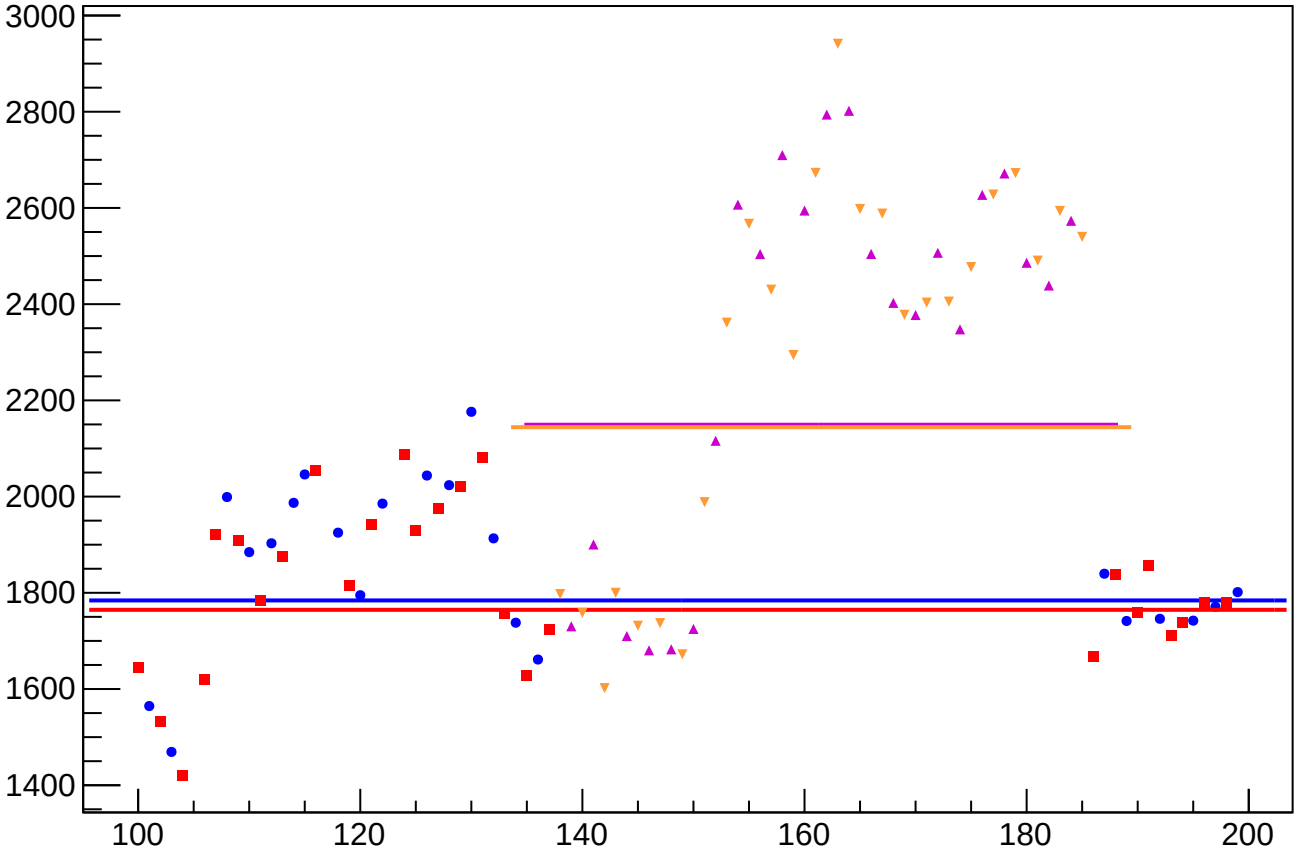
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 7.675+/-0.361 χ^2/NDF: 16429.8/46

All: 11.168+/-0.254 χ^2/NDF: 37658.9/96

- sign 14.550+/-0.356 χ^2/NDF: 21045.3/49

diff_bpm0i05X_rms vs Slug



Right In: 1784.162+/-0.373 χ^2/NDF: 197031.7/21

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1764.649+/-0.350 χ^2/NDF: 199195.0/26

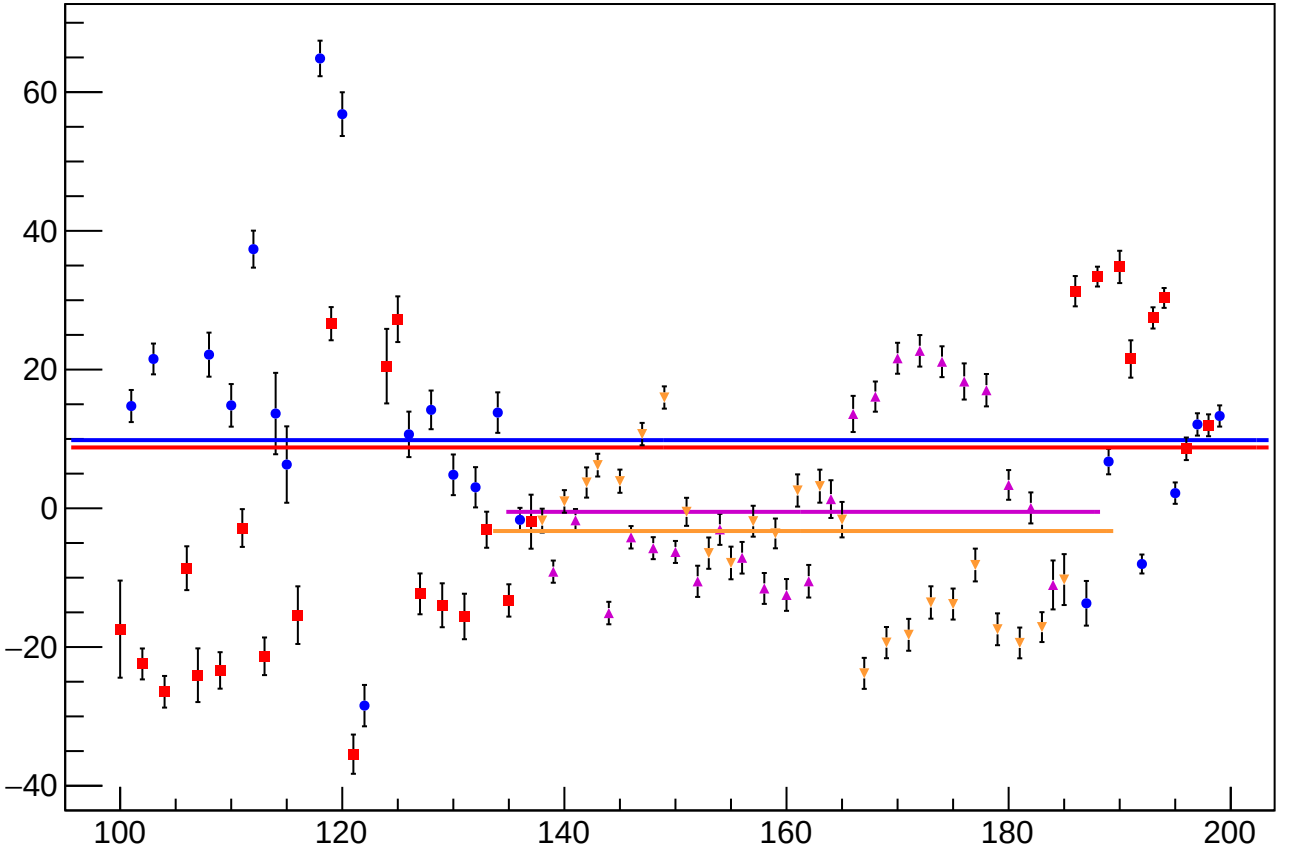
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1975.326+/-0.256 χ^2/NDF: 1971195.9/46

All: 1962.695+/-0.179 χ^2/NDF: 4025249.2/96

- sign 1950.464+/-0.251 χ^2/NDF: 2049245.5/49

diff_bpm0i05Y_mean vs Slug



Right In: 9.830+/-0.486 χ^2/NDF: 1321.1/21

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 8.775+/-0.452 χ^2/NDF: 2418.0/26

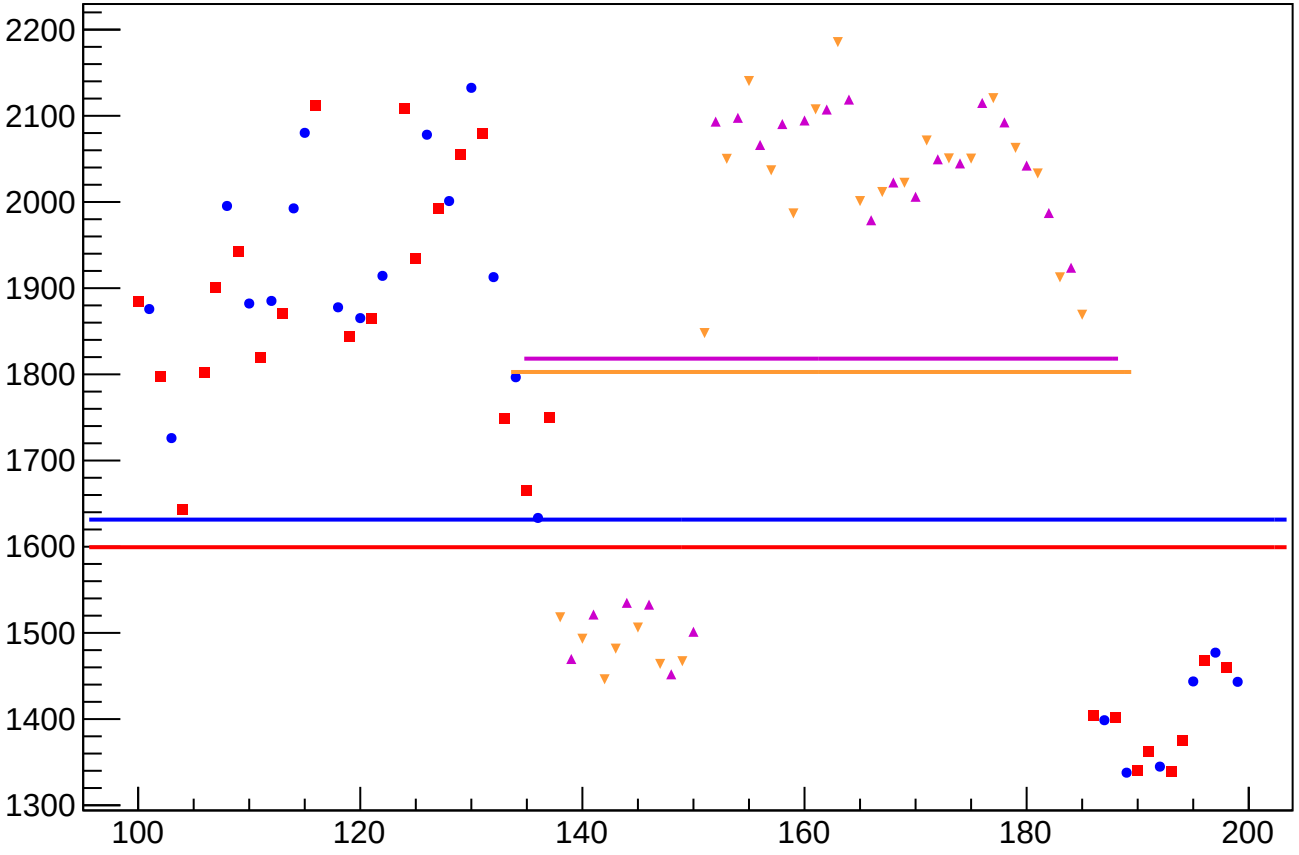
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.245+/-0.315 χ^2/NDF: 2413.0/46

All: 3.085+/-0.222 χ^2/NDF: 5812.7/96

- sign 3.902+/-0.311 χ^2/NDF: 3385.7/49

diff_bpm0i05Y_rms vs Slug



Right In: 1631.458+/-0.344 χ^2/NDF: 535847.9/21

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1599.428+/-0.319 χ^2/NDF: 575612.7/26

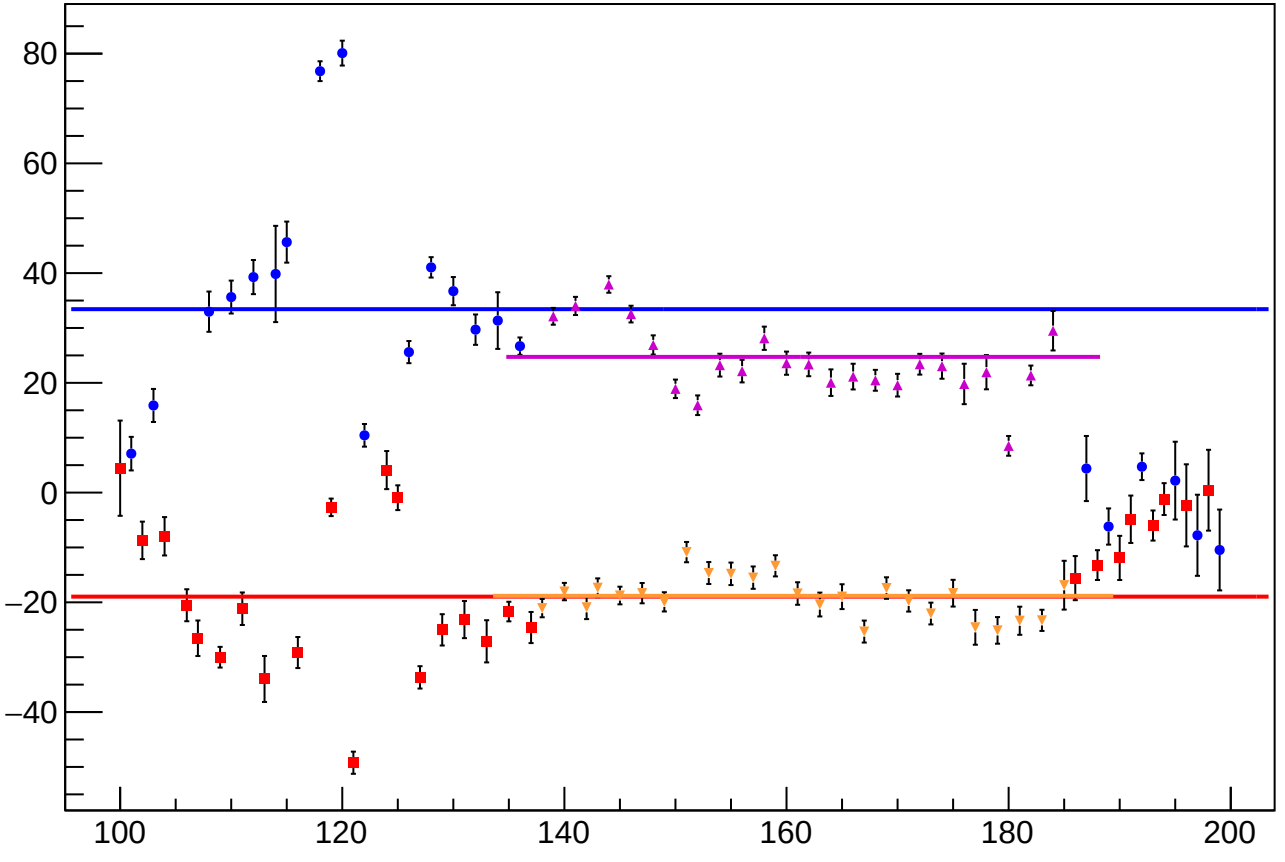
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1730.592+/-0.223 χ^2/NDF: 1577002.0/46

All: 1722.314+/-0.157 χ^2/NDF: 3242010.1/96

- sign 1714.250+/-0.220 χ^2/NDF: 1662289.1/49

diff_bpm0i07X_mean vs Slug



Right In: 33.427+/-0.584 χ^2/NDF: 1694.3/21

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -18.963+/-0.539 χ^2/NDF: 688.9/26

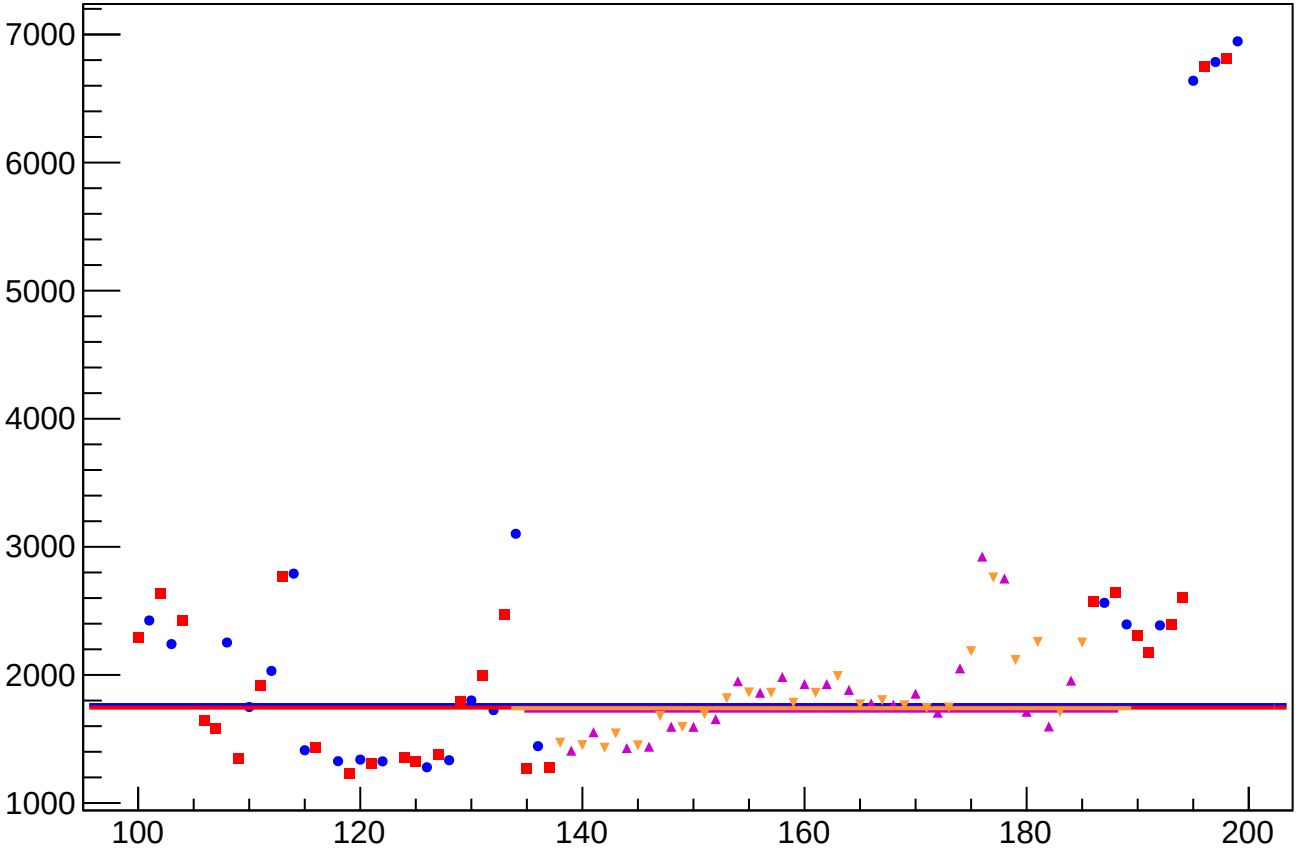
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.042+/-0.331 χ^2/NDF: 7193.8/46

All: 3.454+/-0.232 χ^2/NDF: 12906.5/96

\- sign 8.769+/-0.326 χ^2/NDF: 5170.9/49

diff_bpm0i07X_rms vs Slug



Right In: 1765.012+/-0.413 χ^2/NDF: 4055106.8/21

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1744.746+/-0.381 χ^2/NDF: 3697975.2/26

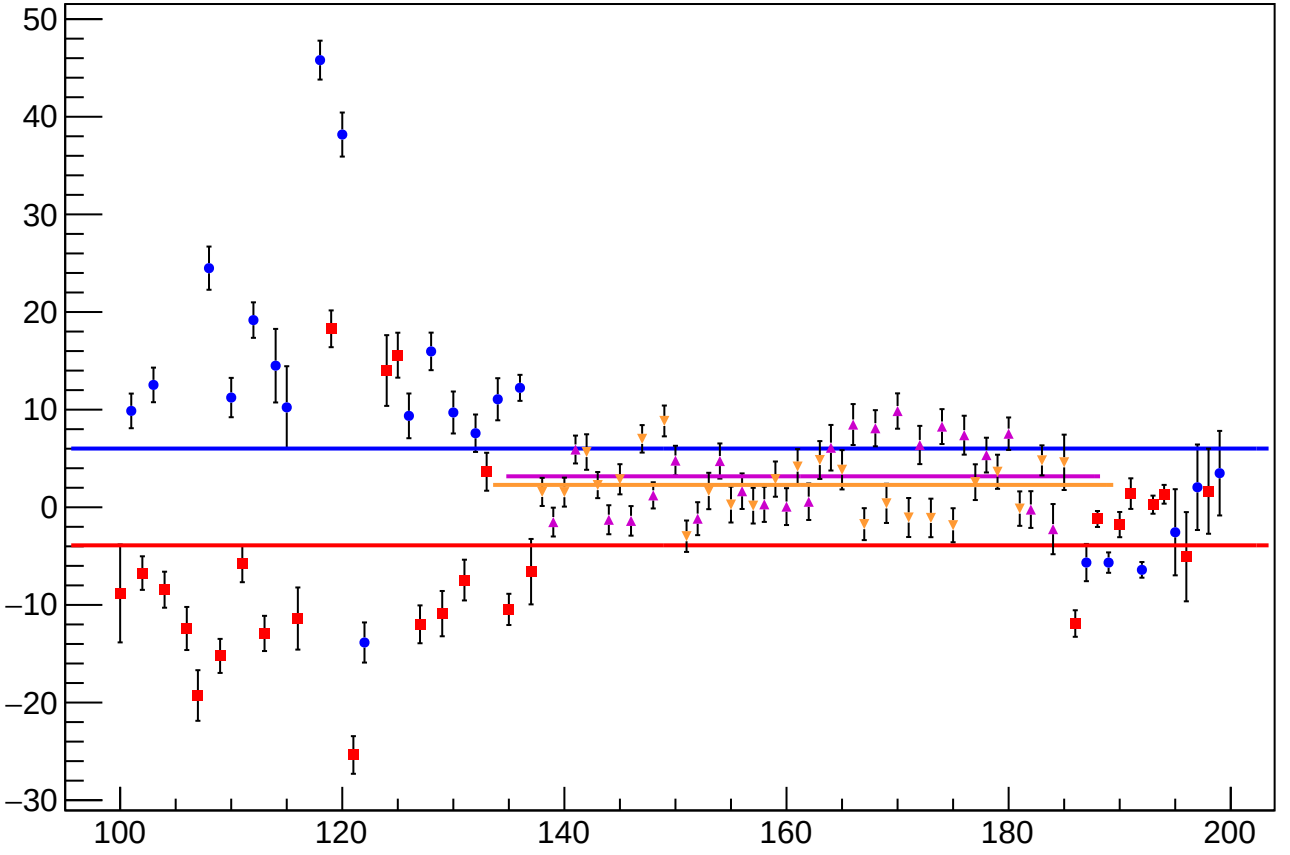
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1748.091+/-0.234 χ^2/NDF: 4810953.5/46

All: 1738.685+/-0.164 χ^2/NDF: 9398586.9/96

- sign 1729.589+/-0.230 χ^2/NDF: 4584459.5/49

diff_bpm0i07Y_mean vs Slug



Right In: 6.016+/-0.383 χ^2/NDF: 1315.0/21

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.897+/-0.322 χ^2/NDF: 665.5/26

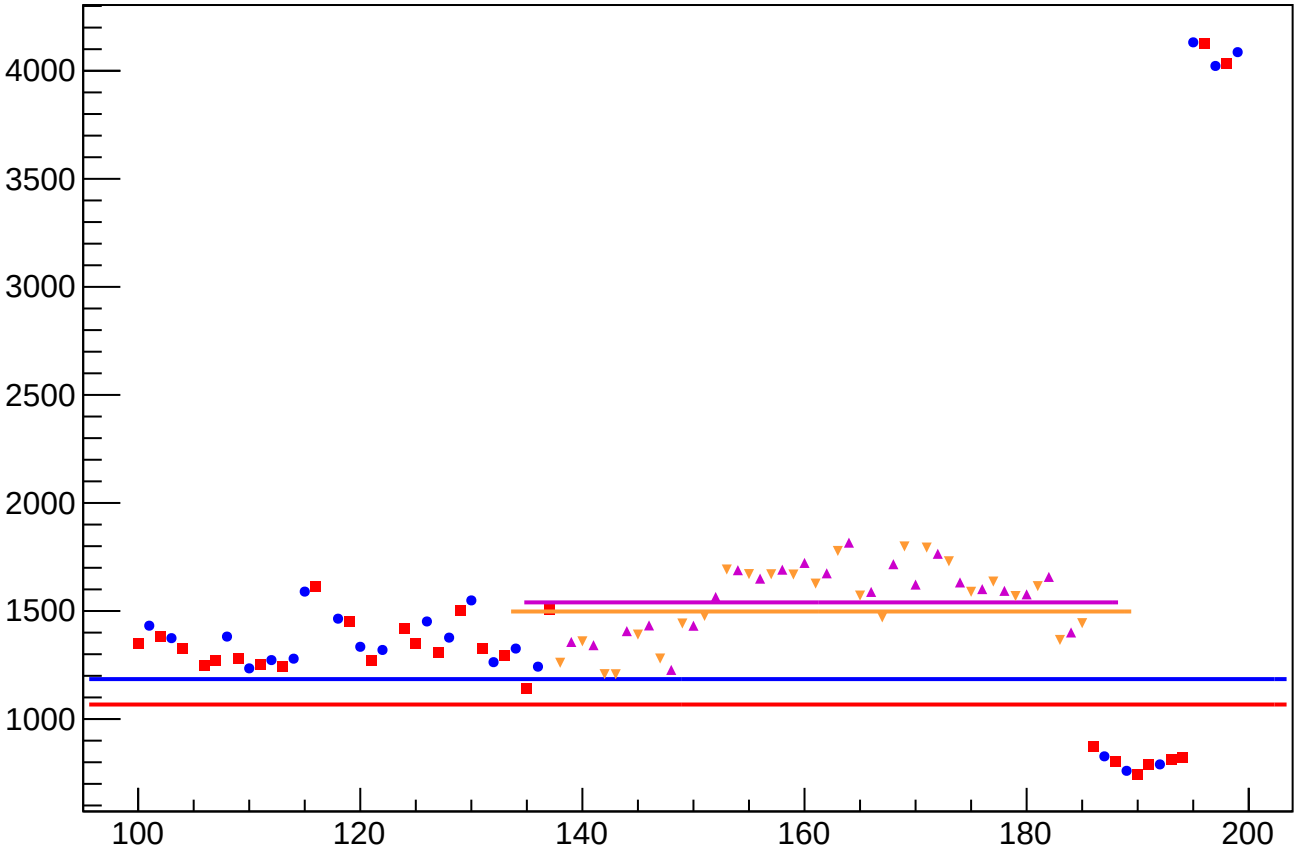
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.954+/-0.256 χ^2/NDF: 1440.9/46

All: 1.442+/-0.175 χ^2/NDF: 2611.7/96

- sign -0.783+/-0.241 χ^2/NDF: 988.7/49

diff_bpm0i07Y_rms vs Slug



Right In: 1184.853+/-0.271 χ^2/NDF: 3793703.0/21

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1067.209+/-0.227 χ^2/NDF: 3168904.8/26

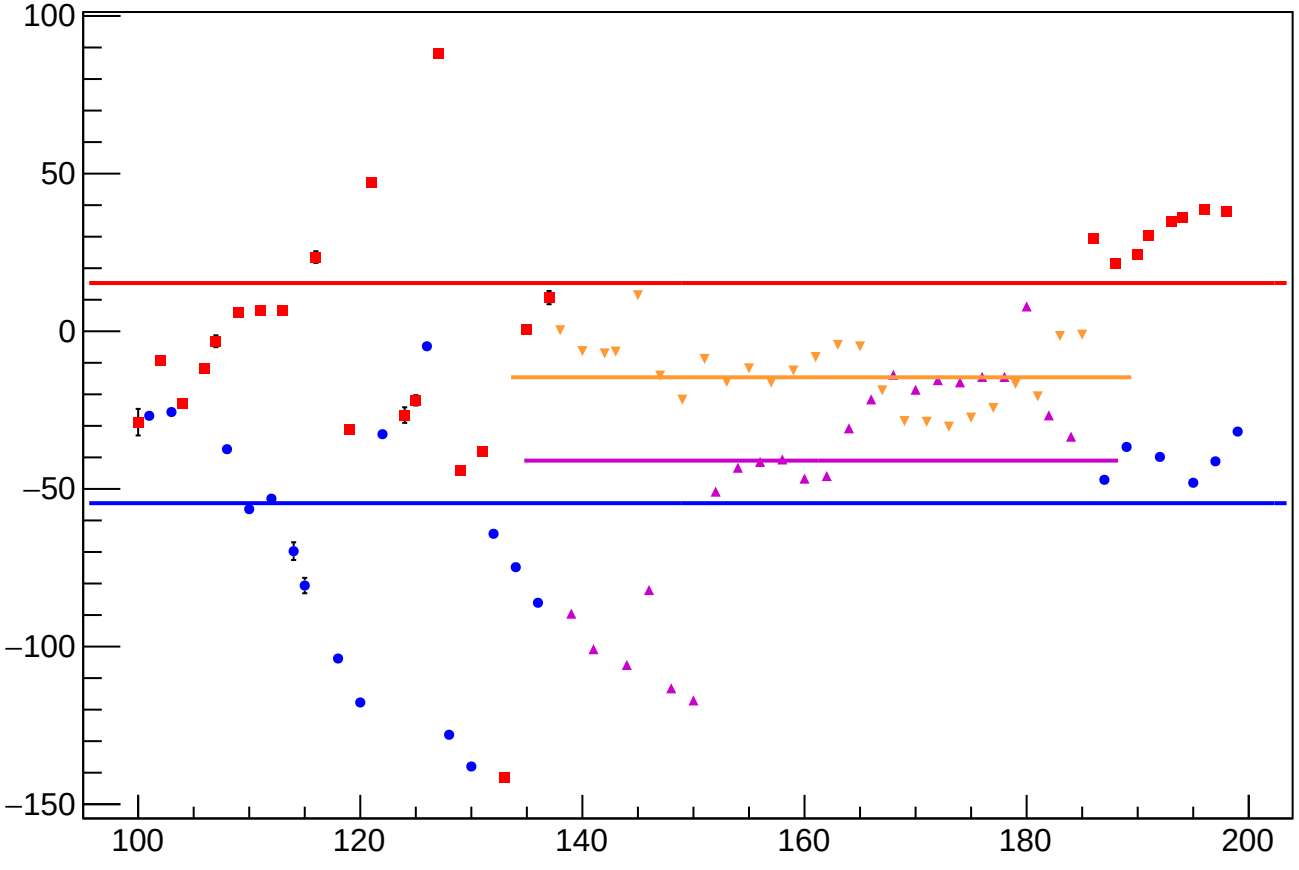
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1358.142+/-0.181 χ^2/NDF: 5102603.2/46

All: 1314.266+/-0.124 χ^2/NDF: 10666227.6/9

- sign 1275.414+/-0.170 χ^2/NDF: 5452525.5/49

diff_bpm1i02X_mean vs Slug



Right In: -54.521+/-0.234 χ^2/NDF: 17155.8/21

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 15.306+/-0.218 χ^2/NDF: 28682.6/26

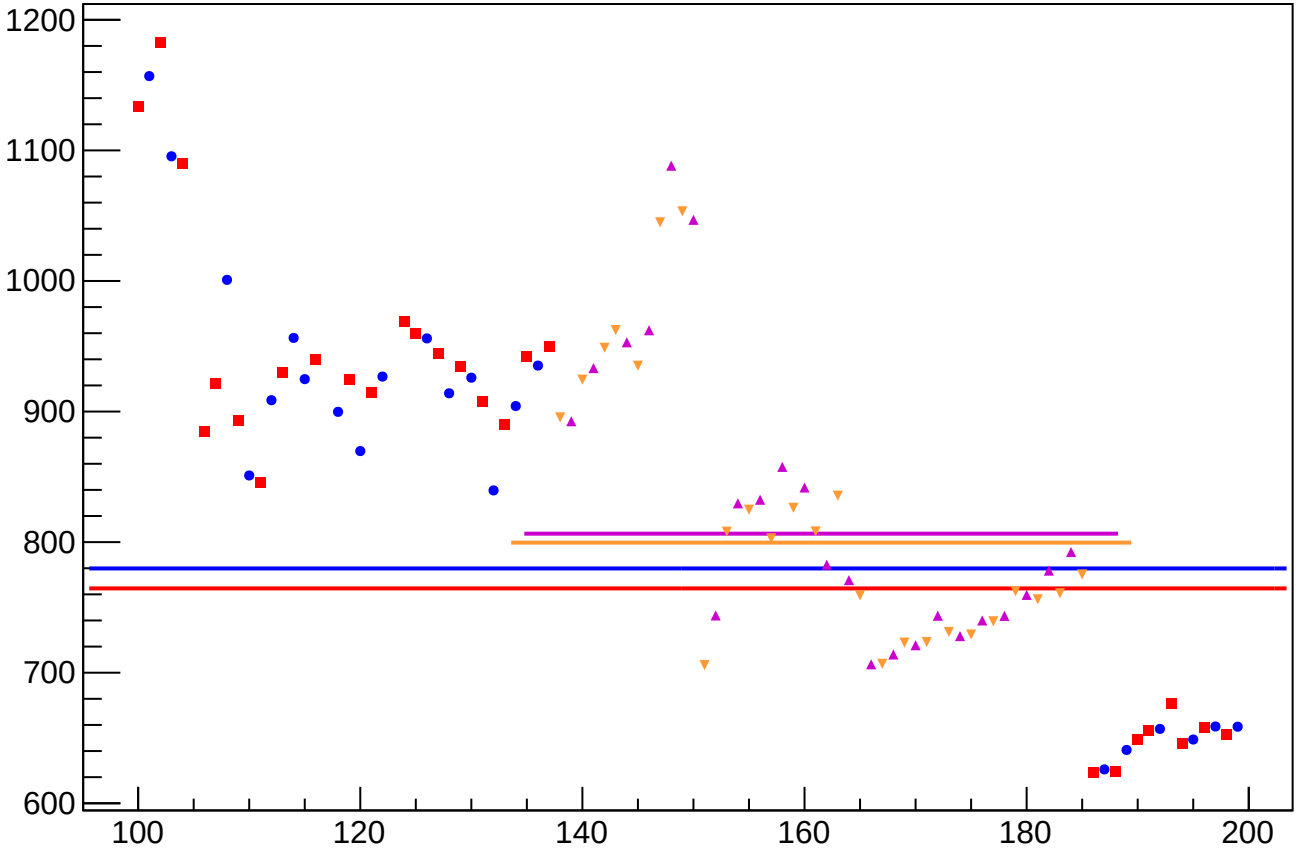
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -29.760+/-0.144 χ^2/NDF: 38401.8/46

All: -23.170+/-0.101 χ^2/NDF: 140376.3/96

- sign -16.677+/-0.143 χ^2/NDF: 97821.1/49

diff_bpm1i02X_rms vs Slug



Right In: 779.843+/-0.165 χ^2/NDF: 839255.5/21

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 764.553+/-0.154 χ^2/NDF: 983654.2/26

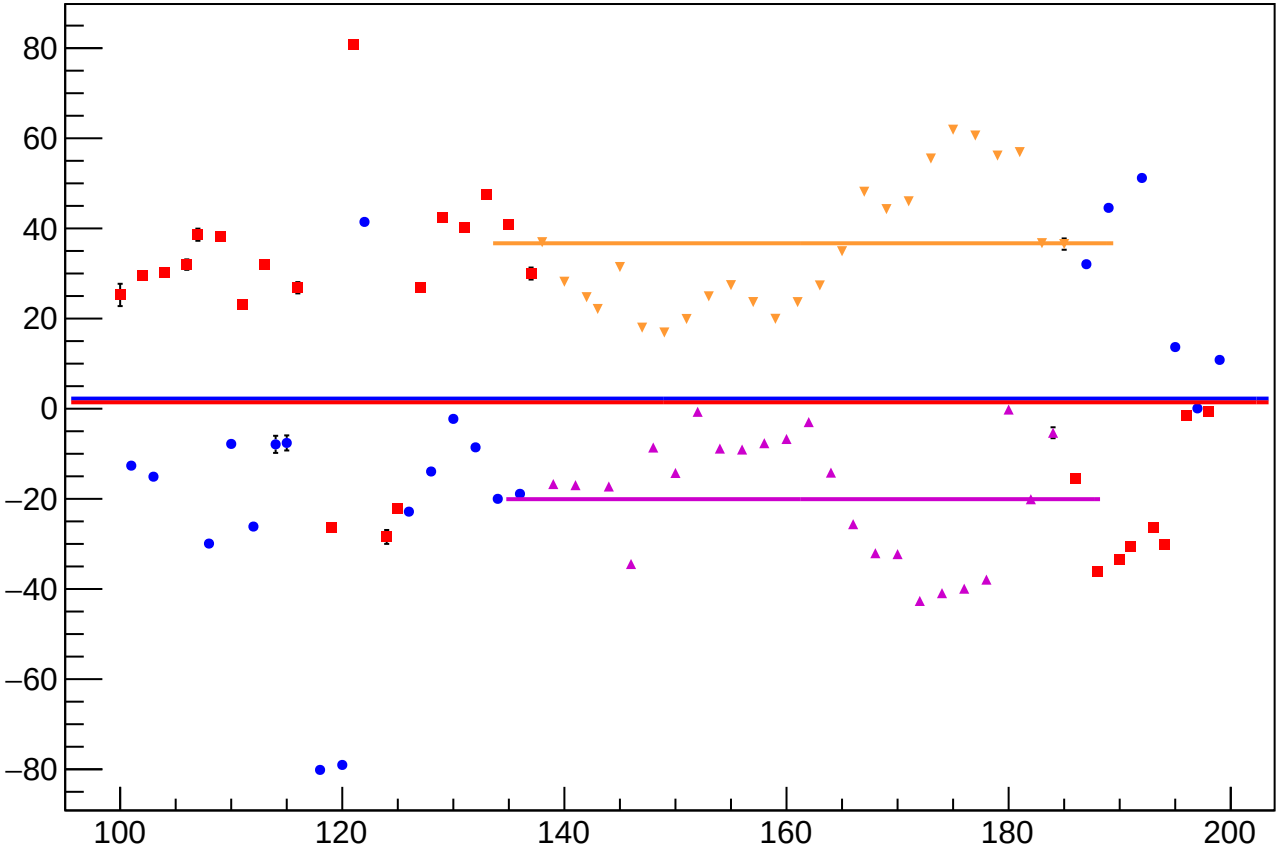
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 792.121+/-0.102 χ^2/NDF: 1345580.5/46

All: 790.226+/-0.072 χ^2/NDF: 2883400.4/96

- sign 788.359+/-0.101 χ^2/NDF: 1537133.0/49

diff_bpm1i02Y_mean vs Slug



Right In: 2.244+/-0.165 χ^2/NDF: 37809.9/21

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 1.418+/-0.155 χ^2/NDF: 42883.4/26

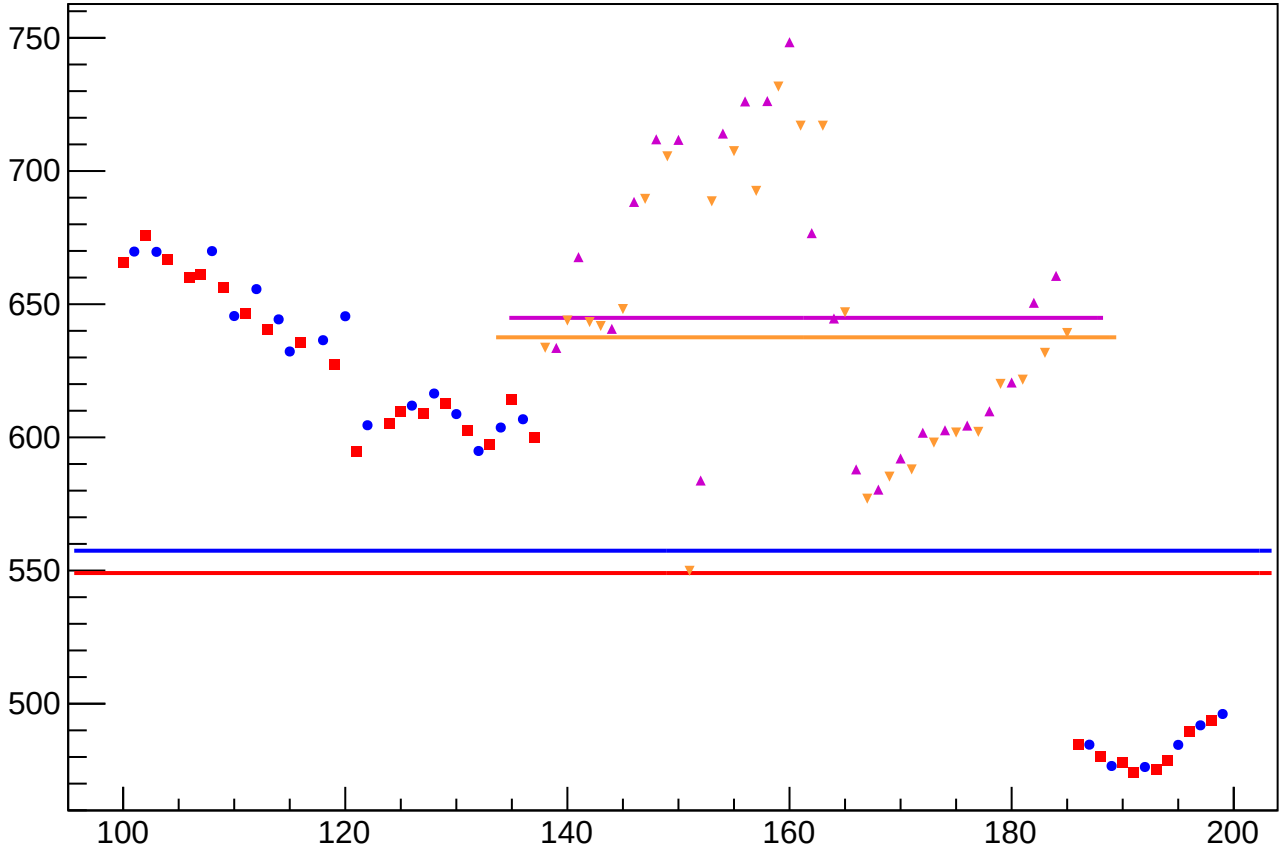
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

\+ sign 21.687+/-0.109 χ^2/NDF: 72511.2/46

All: 5.900+/-0.077 χ^2/NDF: 175168.0/96

\- sign -9.561+/-0.108 χ^2/NDF: 61315.8/49

diff_bpm1i02Y_rms vs Slug



Right In: 557.447+/-0.117 χ^2/NDF: 408146.8/21

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 549.061+/-0.109 χ^2/NDF: 475705.2/26

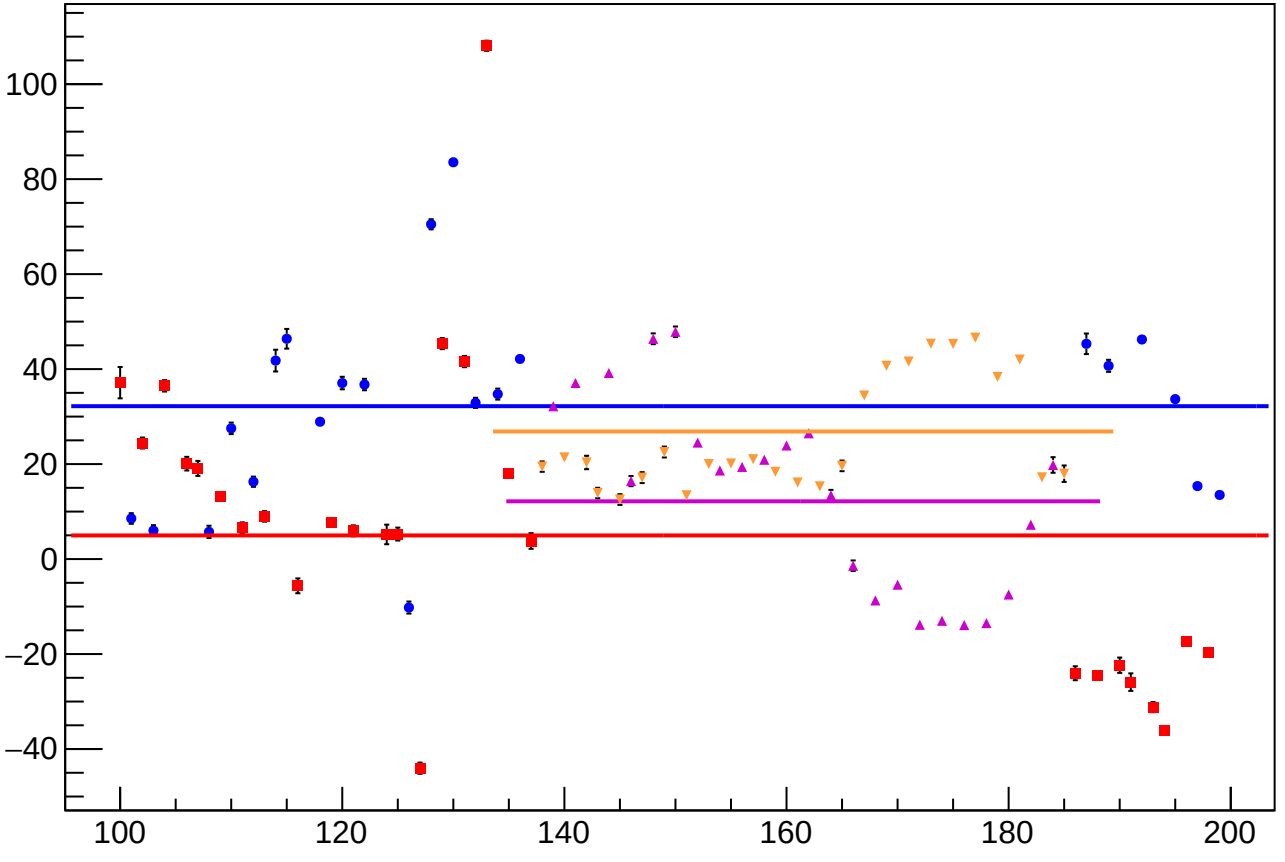
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 602.652+/-0.077 χ^2/NDF: 909252.2/46

All: 600.311+/-0.054 χ^2/NDF: 2008883.6/96

- sign 598.018+/-0.076 χ^2/NDF: 1097813.0/49

diff_bpm1i04X_mean vs Slug



Right In: 32.192+/-0.243 χ^2/NDF: 7636.4/21

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 4.978+/-0.233 χ^2/NDF: 20639.5/26

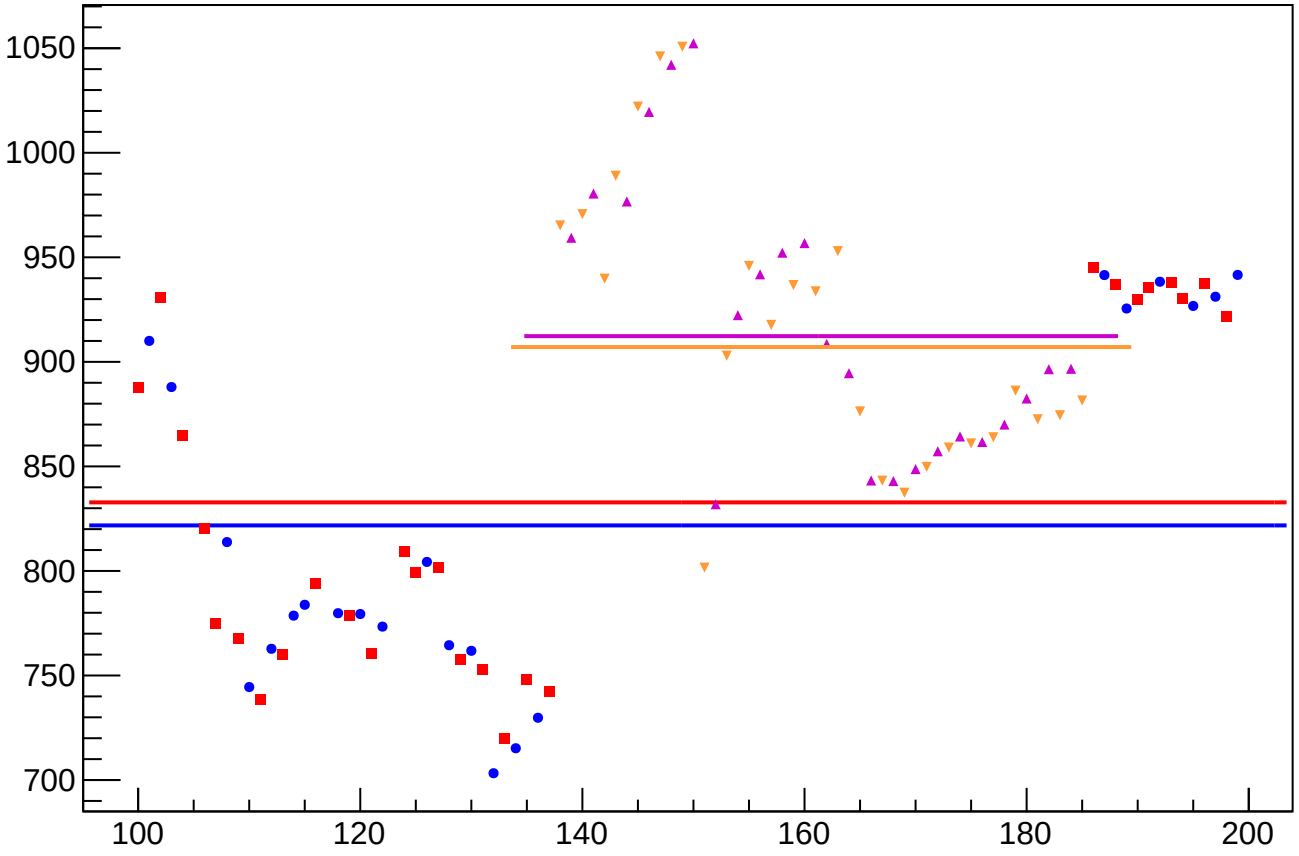
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

\+ sign 29.100+/-0.157 χ^2/NDF: 11305.2/46

All: 19.003+/-0.111 χ^2/NDF: 49237.2/96

\- sign 8.886+/-0.158 χ^2/NDF: 29701.2/49

diff_bpm1i04X_rms vs Slug



Right In: 821.775+/-0.172 χ^2/NDF: 249676.5/21

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 832.792+/-0.165 χ^2/NDF: 251722.8/26

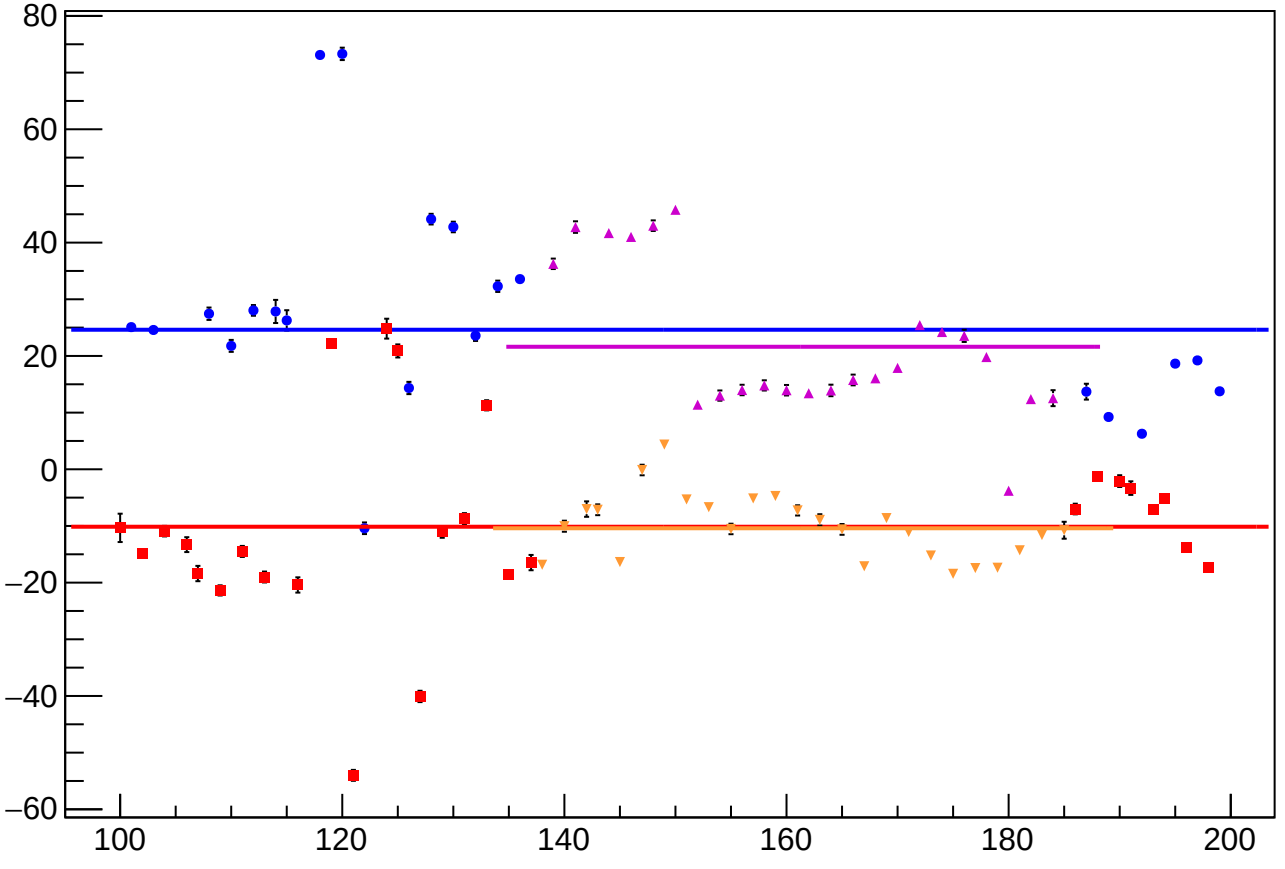
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 871.303+/-0.111 χ^2/NDF: 587237.3/46

All: 873.679+/-0.079 χ^2/NDF: 1140797.3/96

- sign 876.060+/-0.111 χ^2/NDF: 552648.4/49

diff_bpm1i04Y_mean vs Slug



Right In: 24.625+/-0.184 χ^2/NDF: 9227.4/21

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -10.136+/-0.177 χ^2/NDF: 7168.4/26

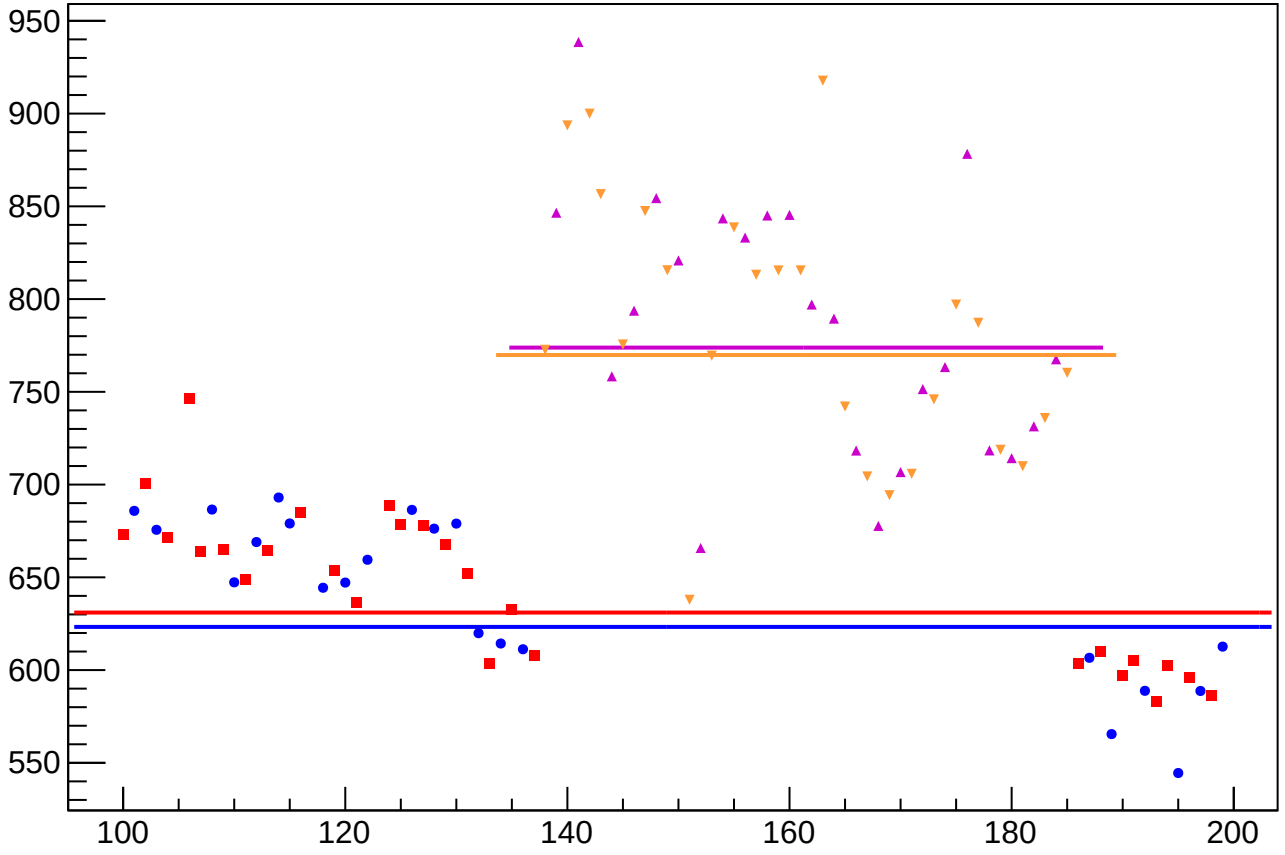
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 6.309+/-0.127 χ^2/NDF: 29172.3/46

All: 5.785+/-0.090 χ^2/NDF: 57307.6/96

- sign 5.266+/-0.127 χ^2/NDF: 28101.7/49

diff_bpm1i04Y_rms vs Slug



Right In: 623.272+/-0.130 χ^2/NDF: 120521.3/21

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 631.014+/-0.125 χ^2/NDF: 96916.8/26

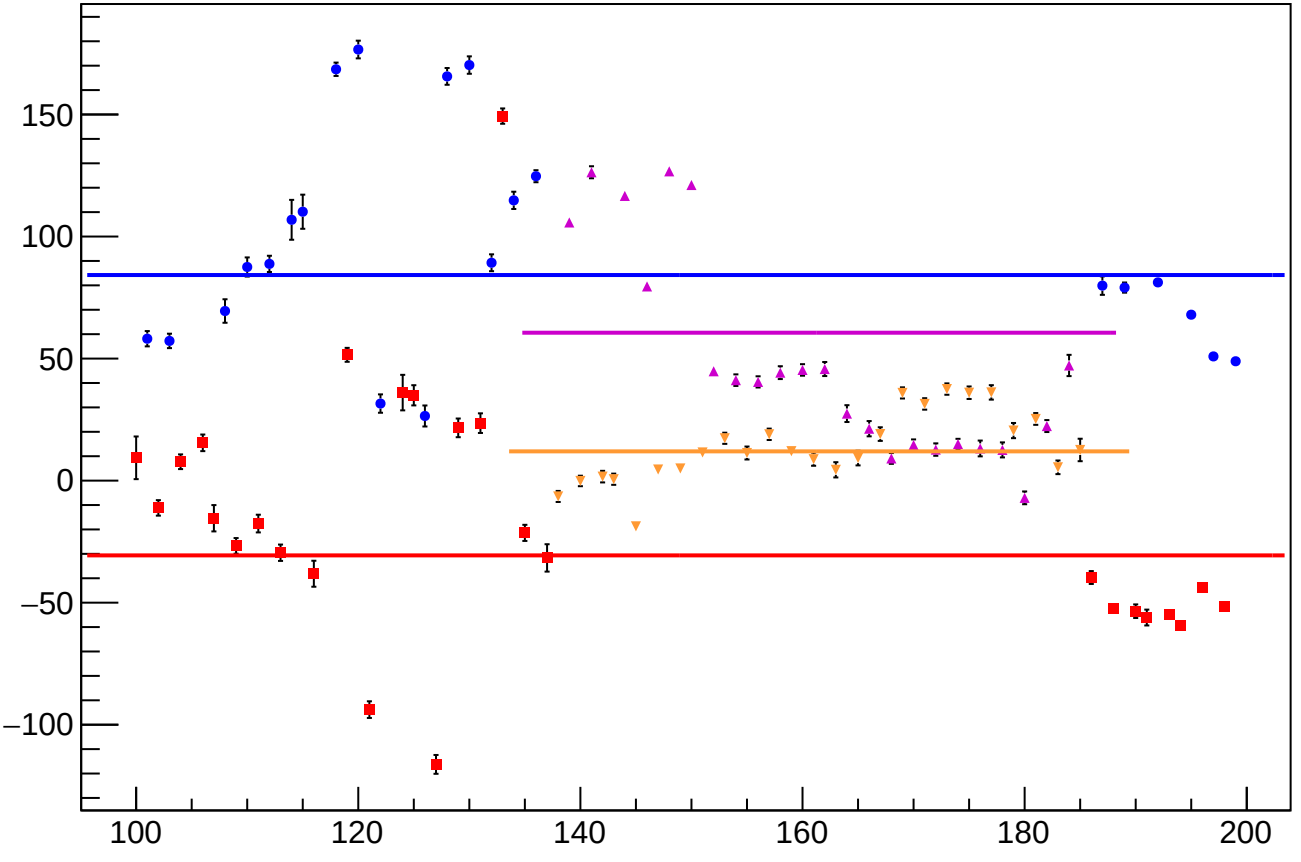
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 699.910+/-0.090 χ^2/NDF: 1086953.8/46

All: 700.099+/-0.063 χ^2/NDF: 2101540.3/96

- sign 700.286+/-0.090 χ^2/NDF: 1014577.7/49

diff_bpm1i06X_mean vs Slug



Right In: 84.229+/-0.582 χ^2/NDF: 4479.6/21

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -30.628+/-0.547 χ^2/NDF: 7060.8/26

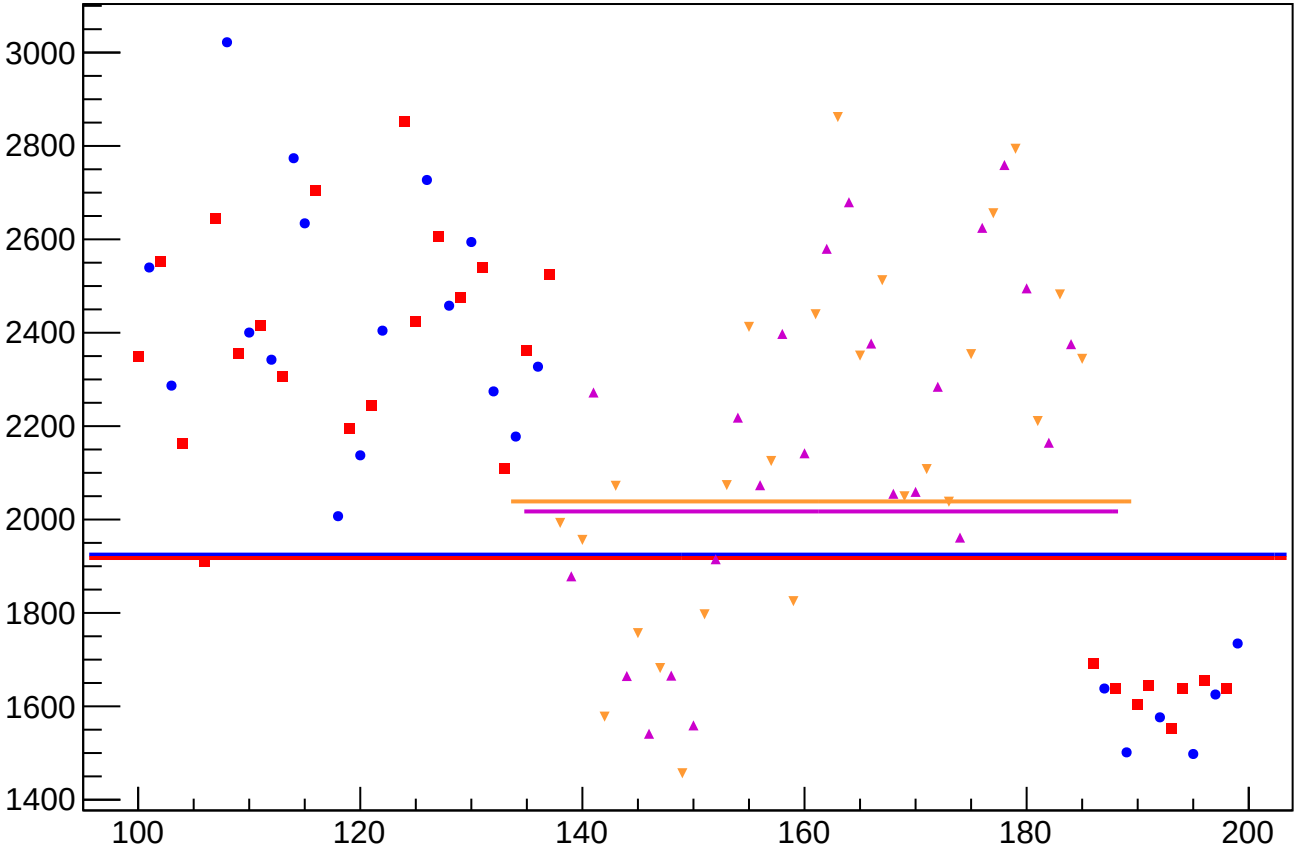
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 40.623+/-0.366 χ^2/NDF: 14729.8/46

All: 30.578+/-0.257 χ^2/NDF: 47602.9/96

- sign 20.817+/-0.361 χ^2/NDF: 31390.6/49

diff_bpm1i06X_rms vs Slug



Right In: 1924.856+/-0.411 χ^2/NDF: 1031097.8/21

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1917.620+/-0.387 χ^2/NDF: 939440.8/26

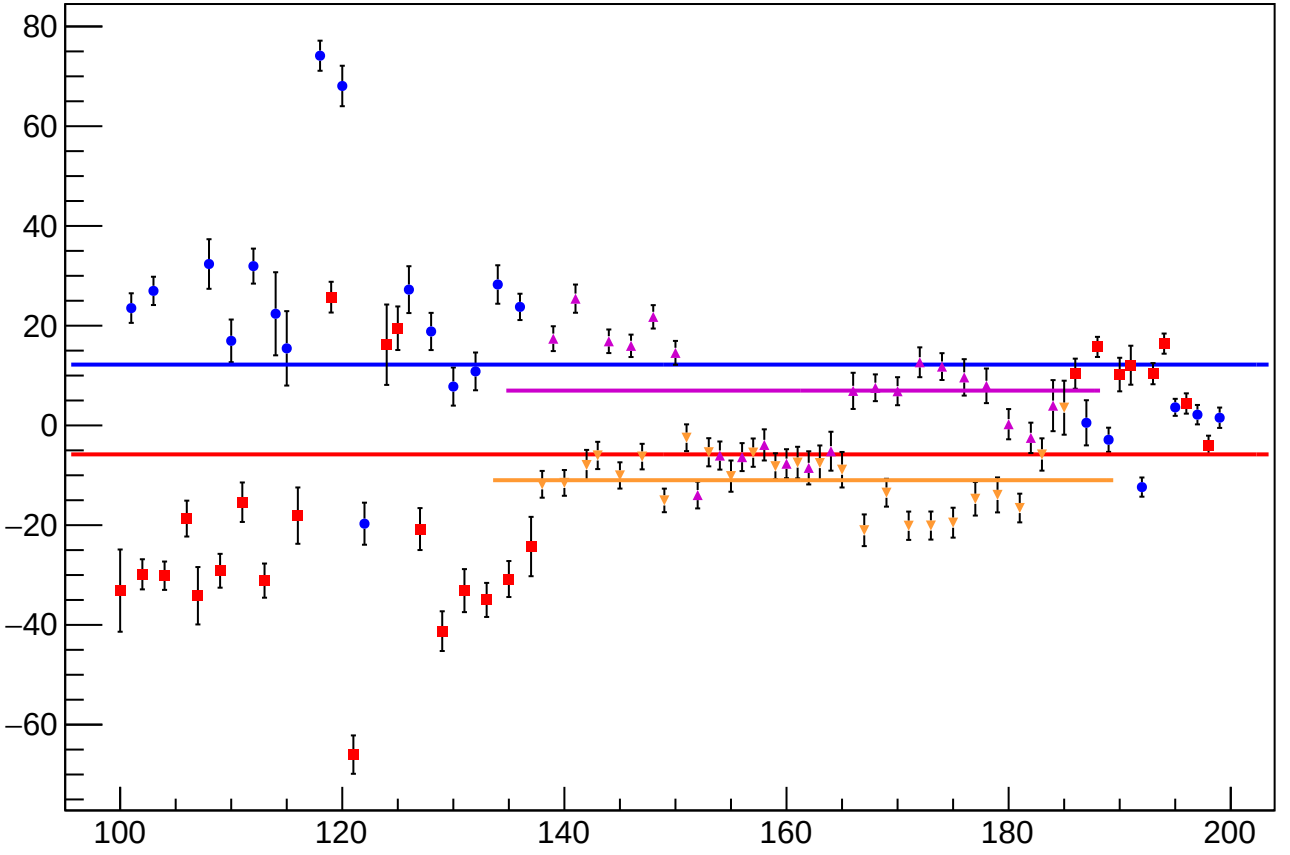
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

\+ sign 1993.625+/-0.259 χ^2/NDF: 2200892.3/46

All: 1983.595+/-0.182 χ^2/NDF: 4230823.3/96

\- sign 1973.848+/-0.255 χ^2/NDF: 2026975.0/49

diff_bpm1i06Y_mean vs Slug



Right In: 12.197+/-0.636 χ^2/NDF: 1099.5/21

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -5.807+/-0.607 χ^2/NDF: 1342.1/26

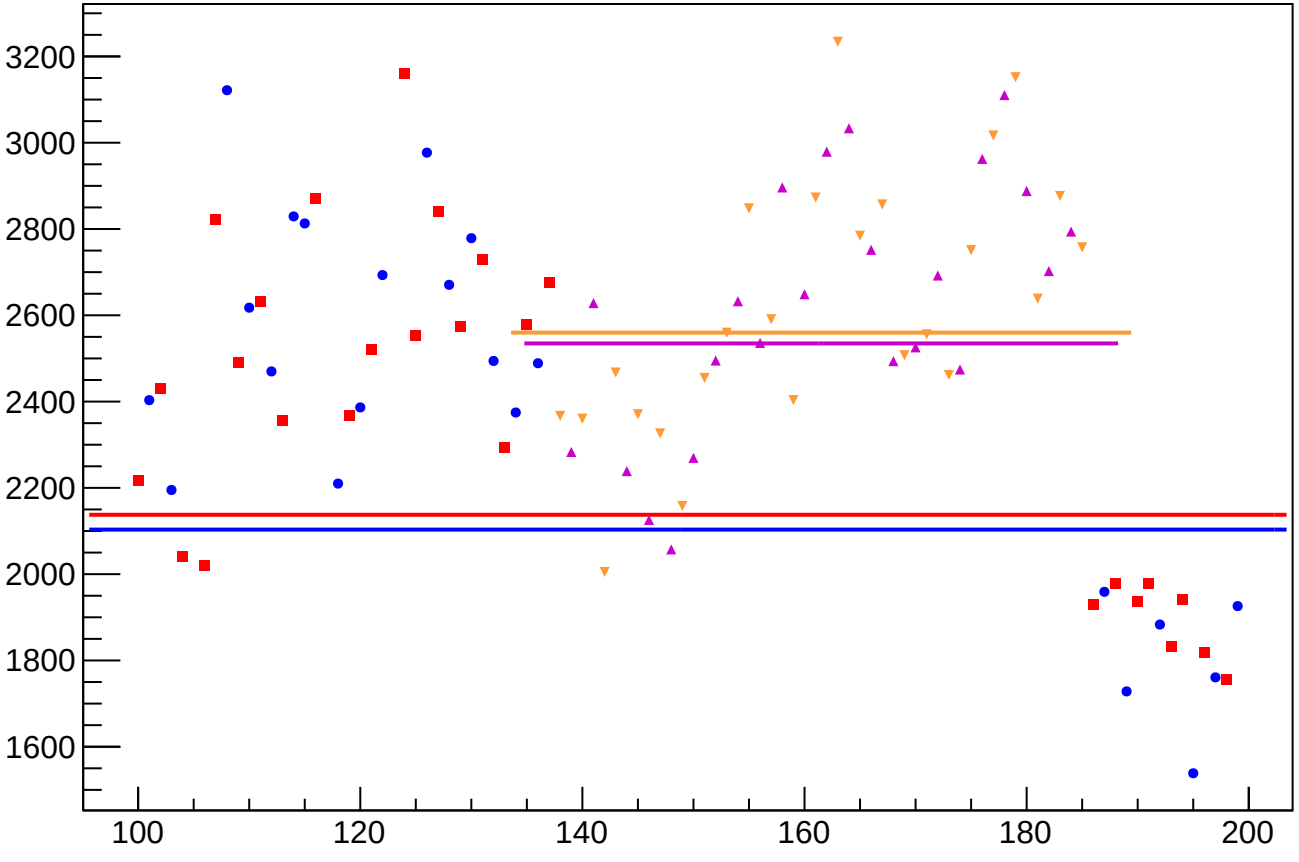
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.335+/-0.431 χ^2/NDF: 1906.3/46

All: 0.178+/-0.303 χ^2/NDF: 3816.0/96

- sign 0.679+/-0.426 χ^2/NDF: 1906.8/49

diff_bpm1i06Y_rms vs Slug



Right In: 2103.307+/-0.449 χ^2/NDF: 866239.2/21

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

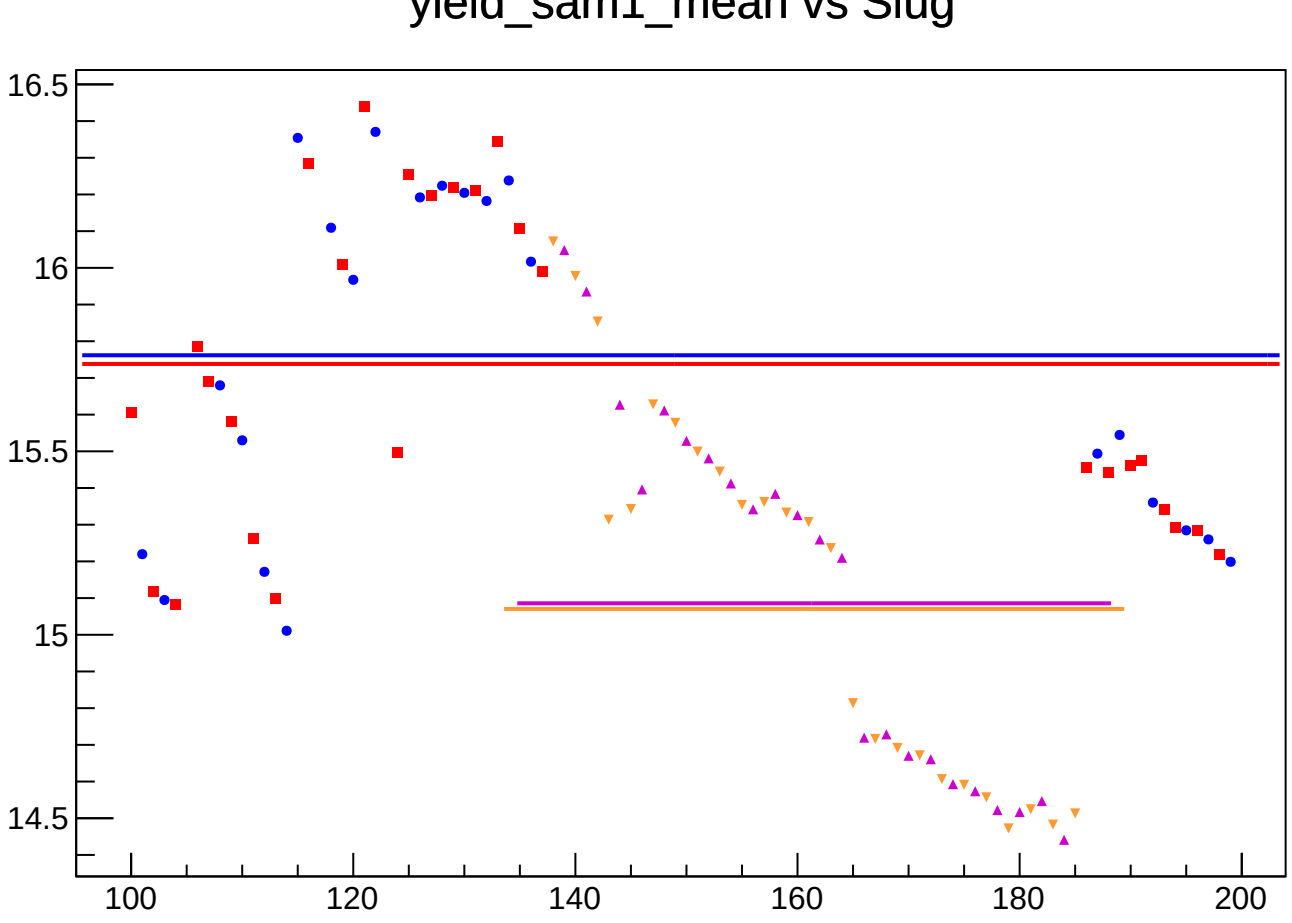
Right Out: 2137.640+/-0.429 χ^2/NDF: 615781.4/26

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2350.149+/-0.305 χ^2/NDF: 1874542.7/46

All: 2344.517+/-0.214 χ^2/NDF: 3388787.7/96

- sign 2339.006+/-0.301 χ^2/NDF: 1513568.6/49



Right In: 15.762+/-0.000 χ^2/NDF: 10455286216.5/21

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.738+/-0.000 χ^2/NDF: 10389389316.6/26

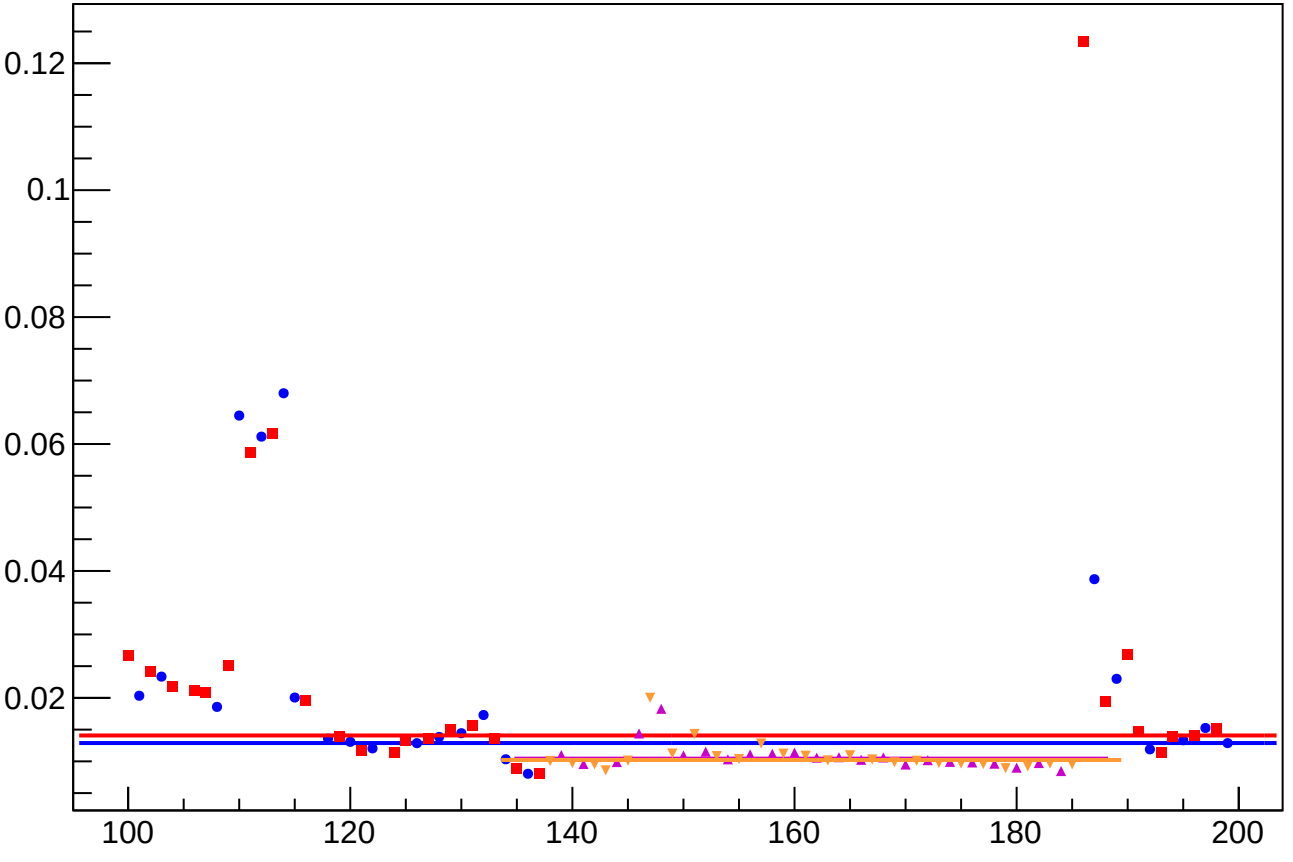
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.241+/-0.000 χ^2/NDF: 74706827064.0/46

All: 15.245+/-0.000 χ^2/NDF: 141320604454.

- 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: 2738071.8/21

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

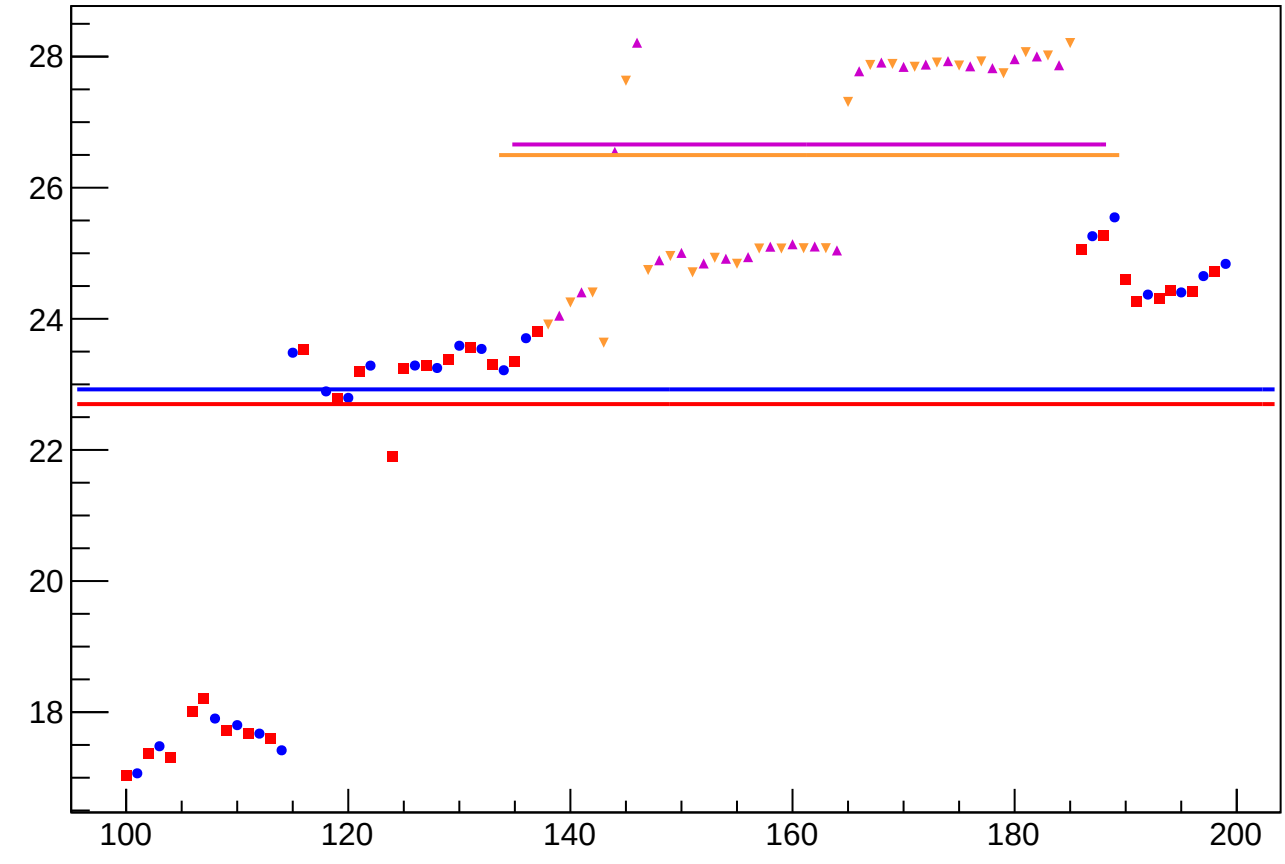
Right Out: 0.014+/-0.000 χ^2/NDF: 3229818.3/26

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4110111.9/46

All: 0.011+/-0.000 χ^2/NDF: 9032137.3/96

- sign 0.011+/-0.000 χ^2/NDF: 4875450.9/49



Right In: 22.924+/-0.000 χ^2/NDF: 1357938272.3/21

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.699+/-0.000 χ^2/NDF: 1436271076.8/26

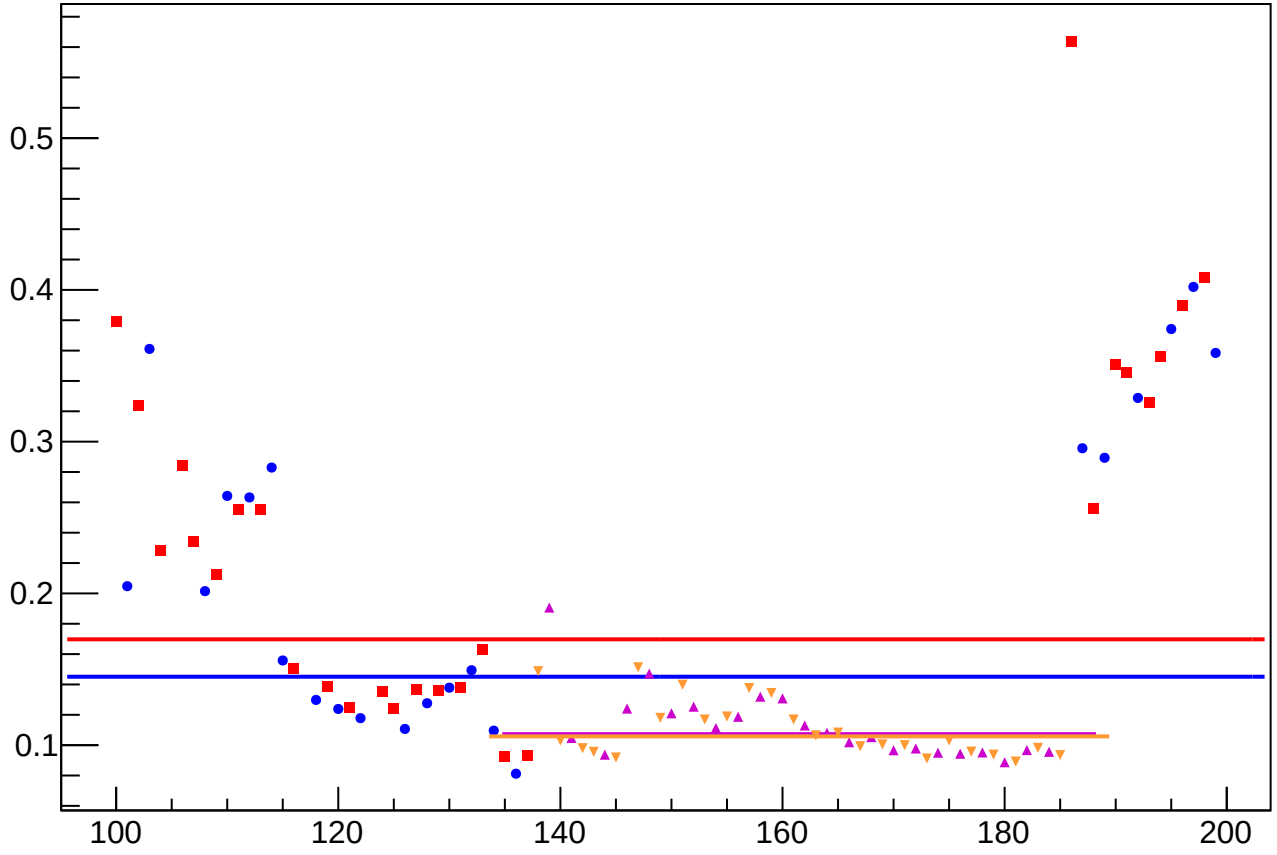
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.771+/-0.000 χ^2/NDF: 9119644673.1/46

All: 25.831+/-0.000 χ^2/NDF: 17563722297.2

- sign 25.897+/-0.000 χ^2/NDF: 8429953257.3/49

yield_sam2_rms vs Slug



Right In: 0.145+/-0.000 χ^2/NDF: 4917939.1/21

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.170+/-0.000 χ^2/NDF: 4791285.3/26

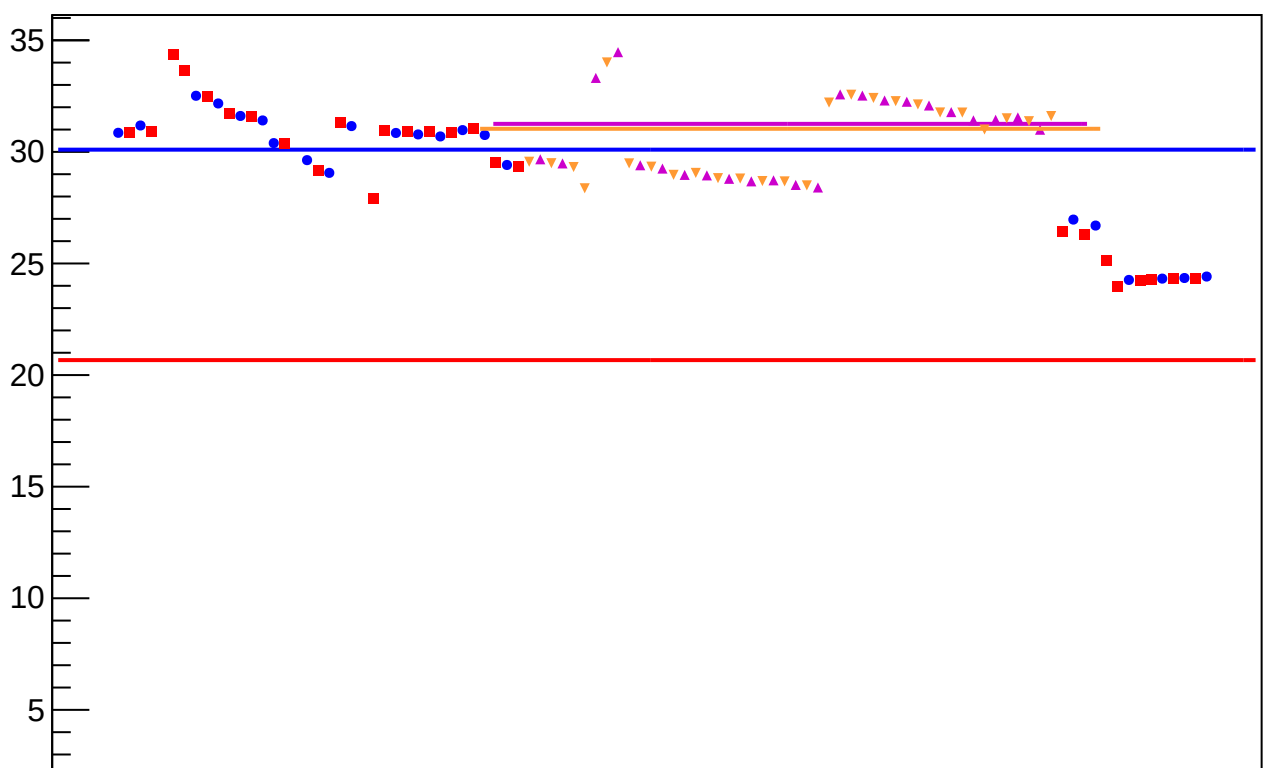
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.114+/-0.000 χ^2/NDF: 6606288.8/46

All: 0.116+/-0.000 χ^2/NDF: 14355088.8/96

- sign 0.119+/-0.000 χ^2/NDF: 7695115.4/49

yield_sam3_mean vs Slug



Right In: 30.100+/-0.000 χ^2/NDF: 2816424146.9/21

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.671+/-0.000 χ^2/NDF: 223802678125.2/26

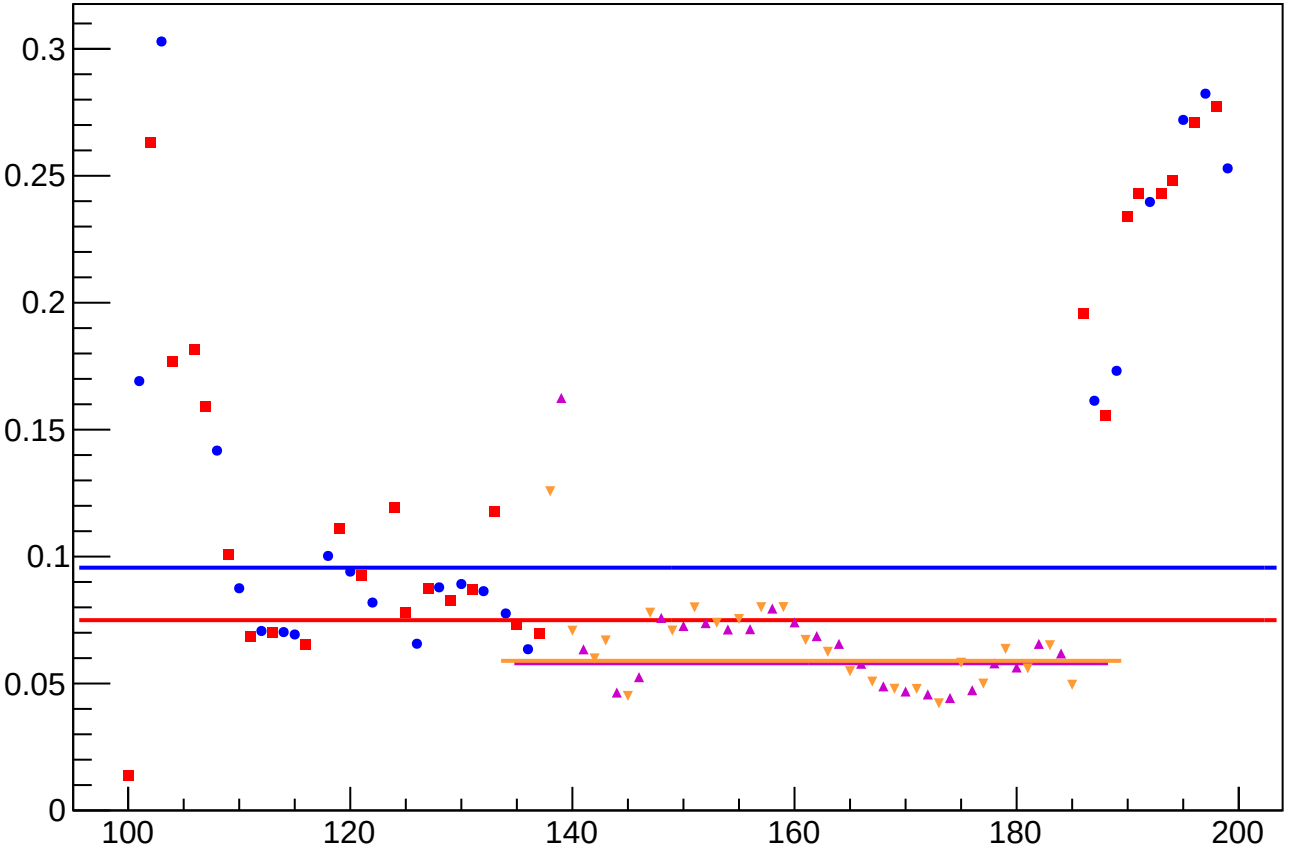
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.880+/-0.000 χ^2/NDF: 15333141947.6/46

All: 29.861+/-0.000 χ^2/NDF: 365995740332.

- sign 28.879+/-0.000 χ^2/NDF: 340200566792.1/49

yield_sam3_rms vs Slug



Right In: 0.096+/-0.000 χ^2/NDF: 4576373.6/21

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.075+/-0.000 χ^2/NDF: 9069077.3/26

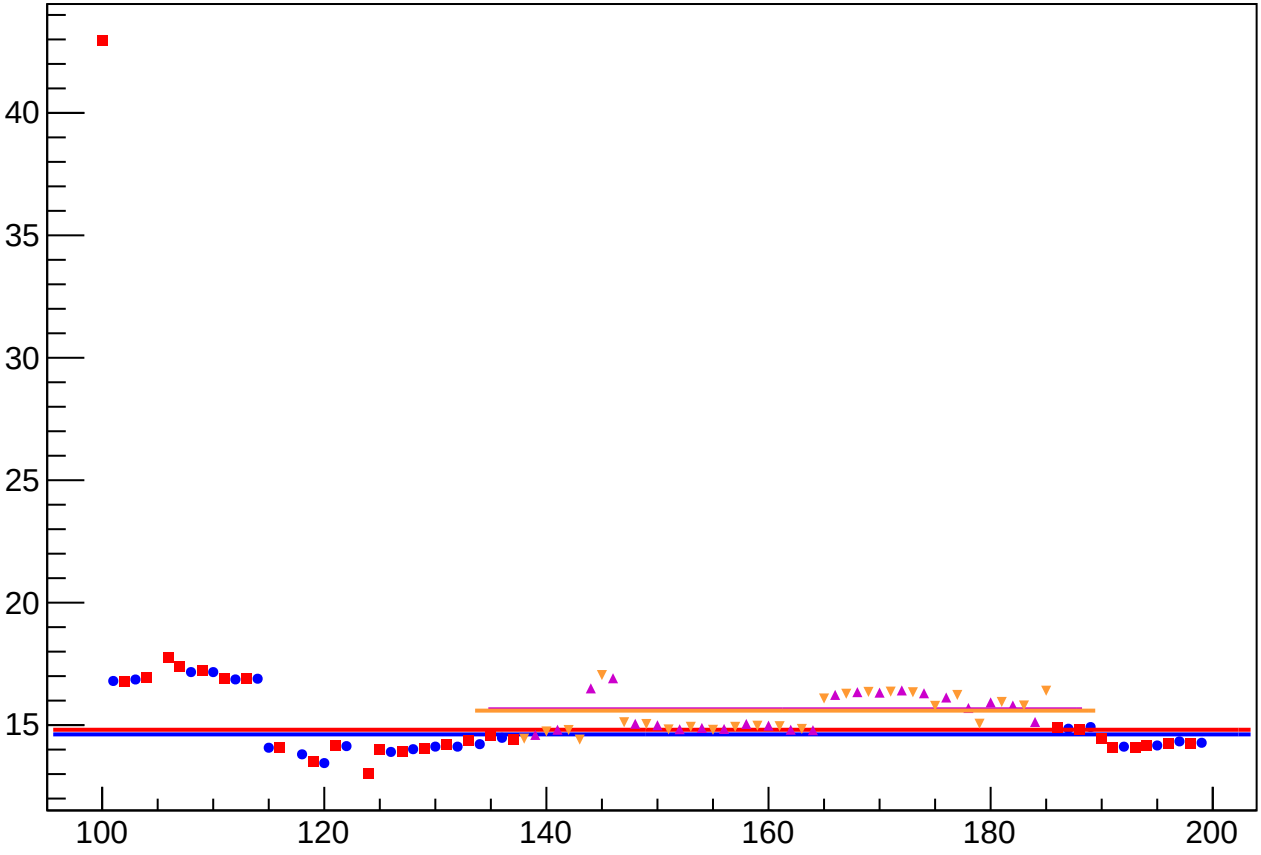
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.065+/-0.000 χ^2/NDF: 8019064.4/46

All: 0.063+/-0.000 χ^2/NDF: 19392336.2/96

- sign 0.062+/-0.000 χ^2/NDF: 11319312.4/49

yield_sam4_mean vs Slug



Right In: 14.620+/-0.000 χ^2/NDF: 1207945398.4/21

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.810+/-0.000 χ^2/NDF: 1763462923.3/26

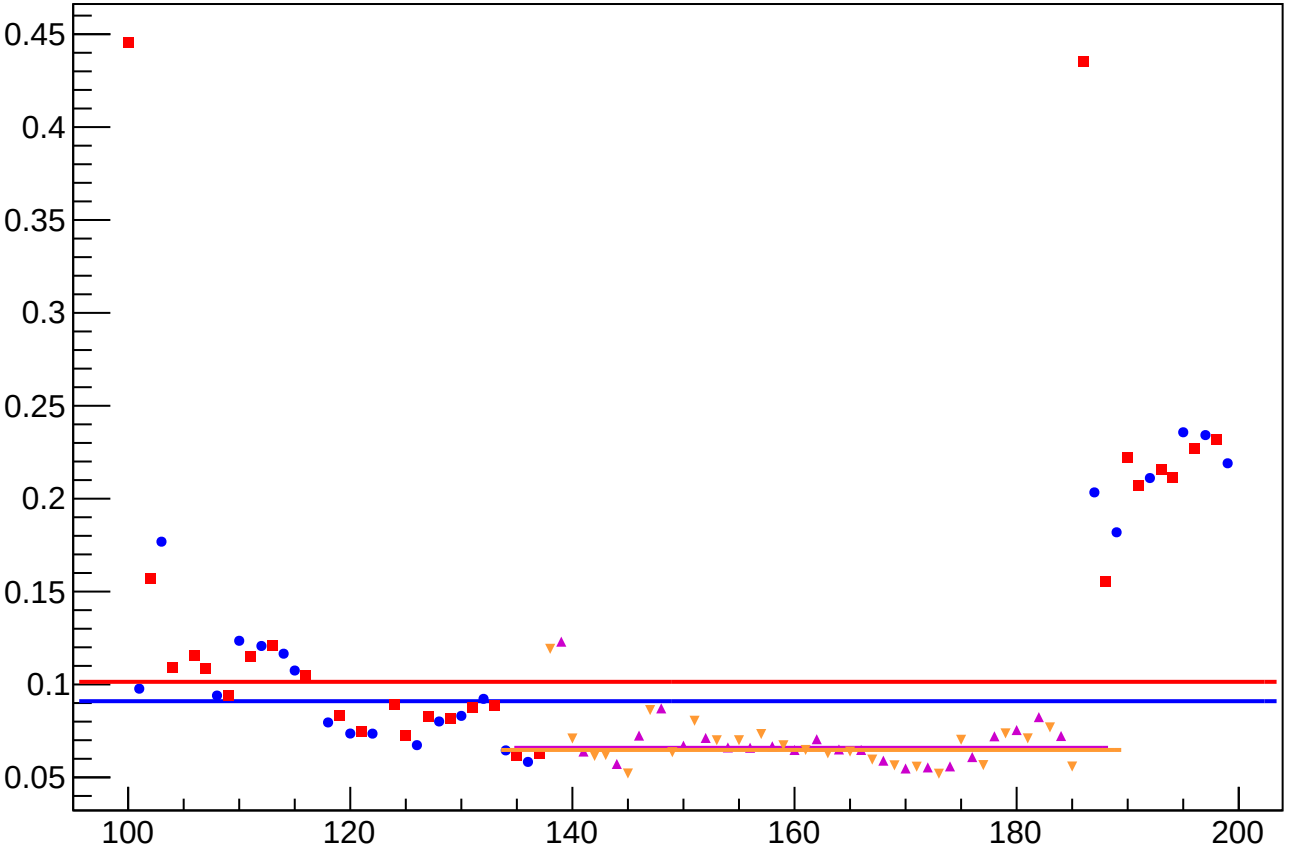
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.389+/-0.000 χ^2/NDF: 4232452065.3/46

All: 15.428+/-0.000 χ^2/NDF: 8389418384.6/9

- sign 15.471+/-0.000 χ^2/NDF: 4141110953.9/49

yield_sam4_rms vs Slug



Right In: 0.091+/-0.000 χ^2/NDF: 4012844.5/21

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.101+/-0.000 χ^2/NDF: 4088056.5/26

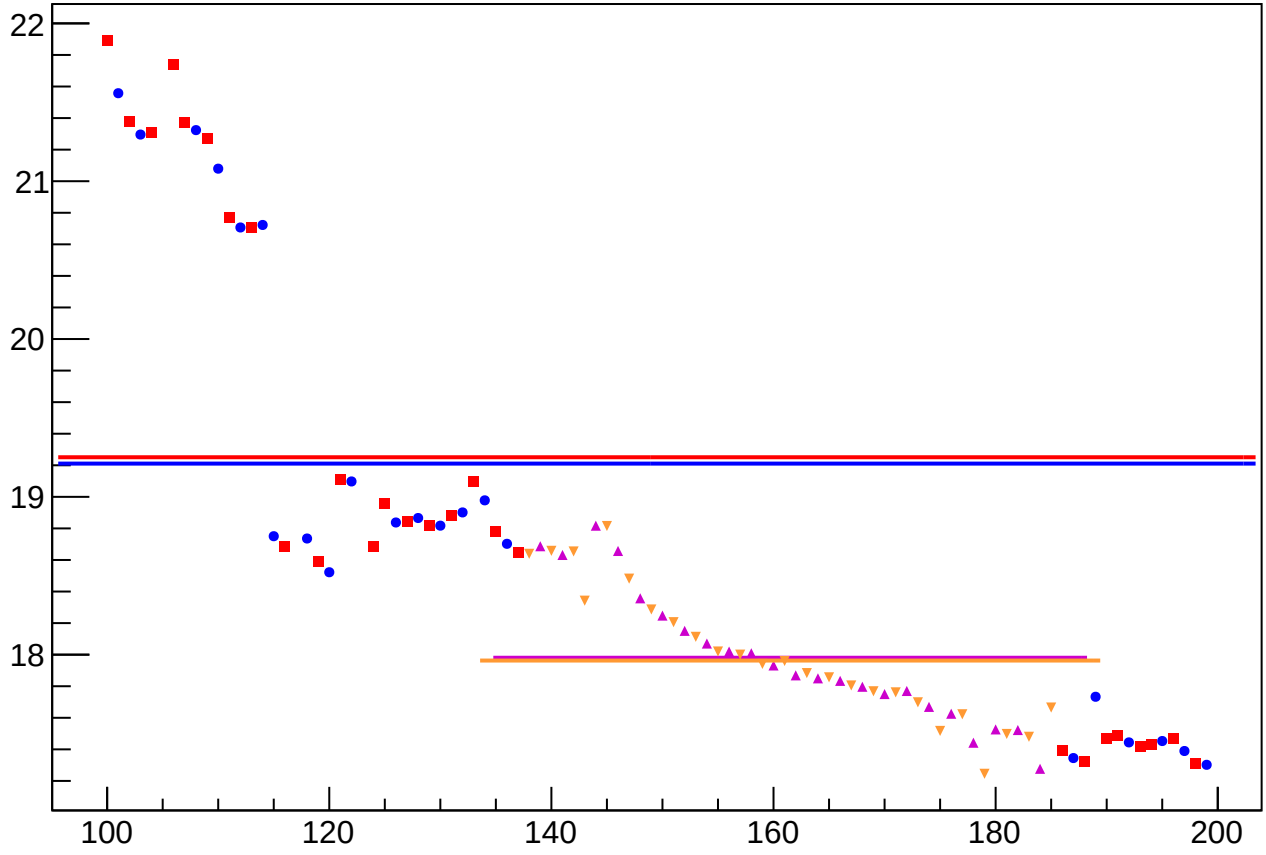
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.070+/-0.000 χ^2/NDF: 5990142.3/46

All: 0.072+/-0.000 χ^2/NDF: 12791469.4/96

- sign 0.073+/-0.000 χ^2/NDF: 6756941.1/49

yield_sam5_mean vs Slug



Right In: 19.211+/-0.000 χ^2/NDF: 24162683960.2/21

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.251+/-0.000 χ^2/NDF: 27113097543.9/26

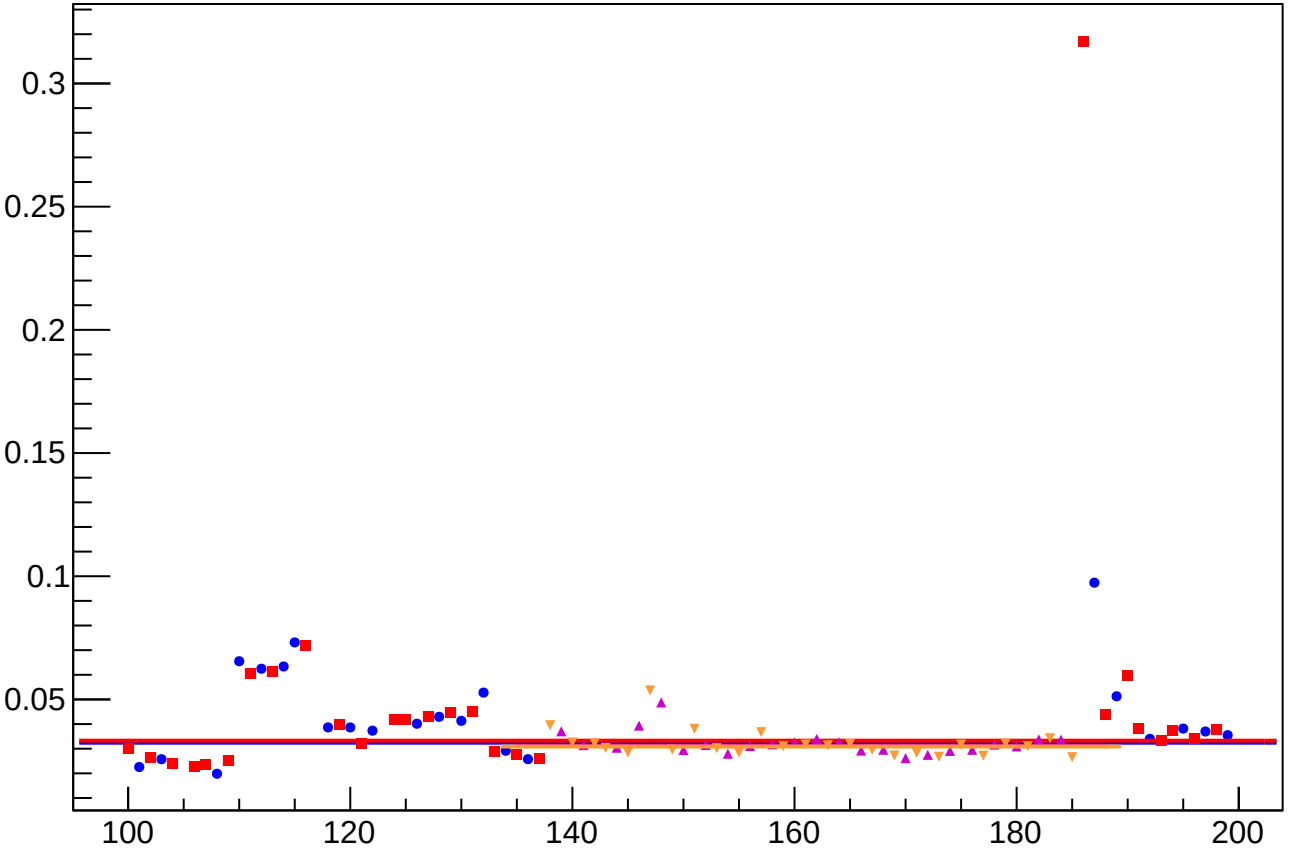
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.372+/-0.000 χ^2/NDF: 37003569461.9/46

All: 18.400+/-0.000 χ^2/NDF: 77084559148.0

- 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: 1877869.0/21

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.033+/-0.000 χ^2/NDF: 2180660.6/26

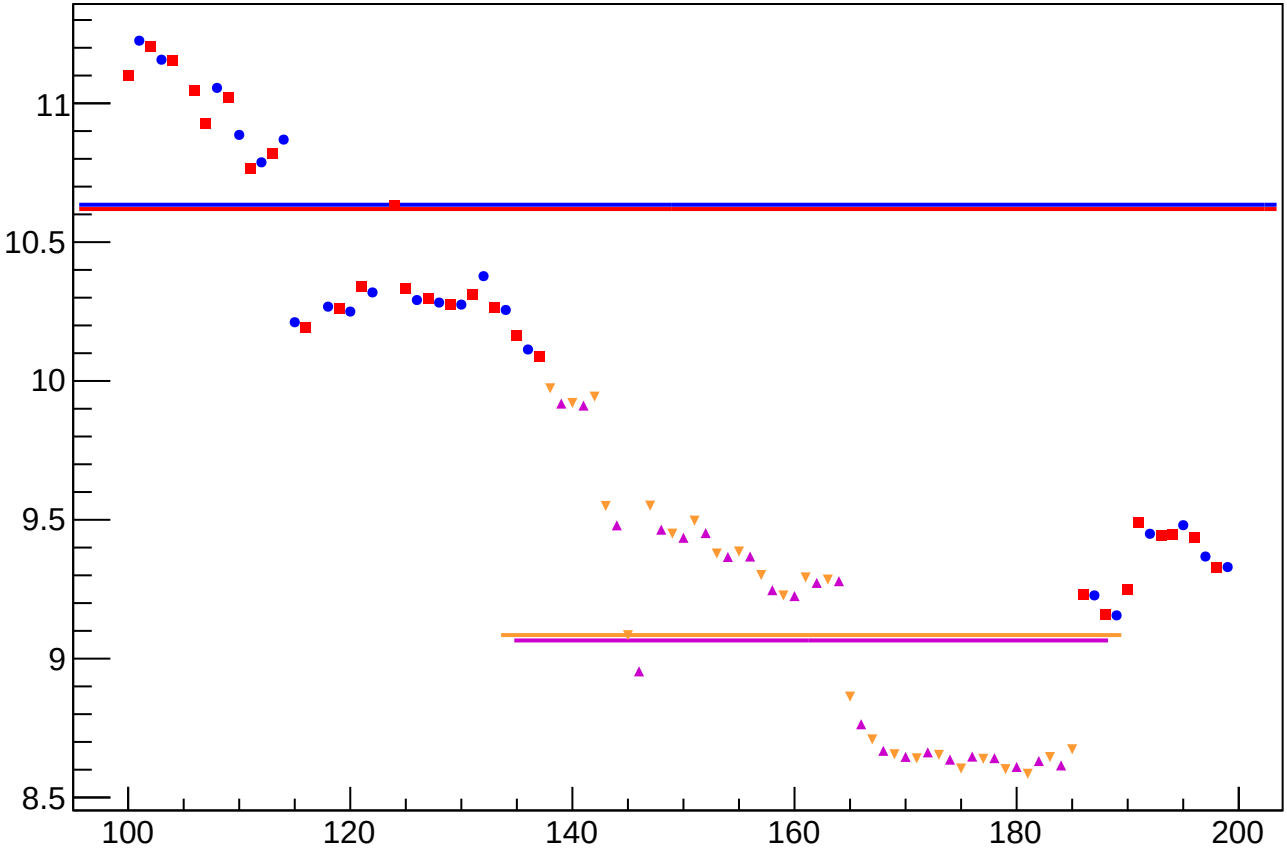
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2541919.9/46

All: 0.032+/-0.000 χ^2/NDF: 5269086.9/96

- sign 0.032+/-0.000 χ^2/NDF: 2720516.1/49

yield_sam6_mean vs Slug



Right In: 10.635+/-0.000 χ^2/NDF: 9640151366.8/21

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.619+/-0.000 χ^2/NDF: 9163160791.9/26

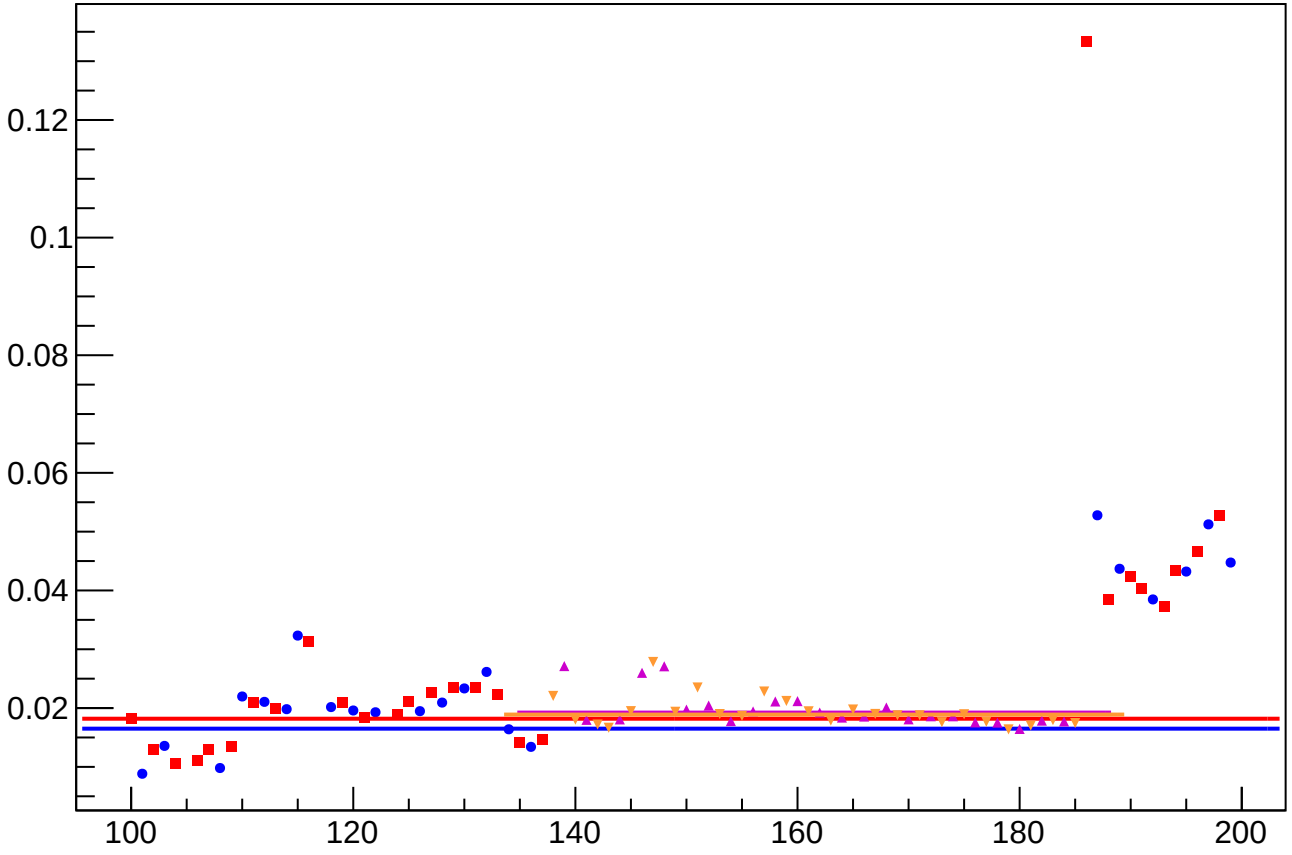
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.669+/-0.000 χ^2/NDF: 64451141596.2/46

All: 9.667+/-0.000 χ^2/NDF: 123454830403.5

- 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: 5039107.3/21

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.018+/-0.000 χ^2/NDF: 5214401.8/26

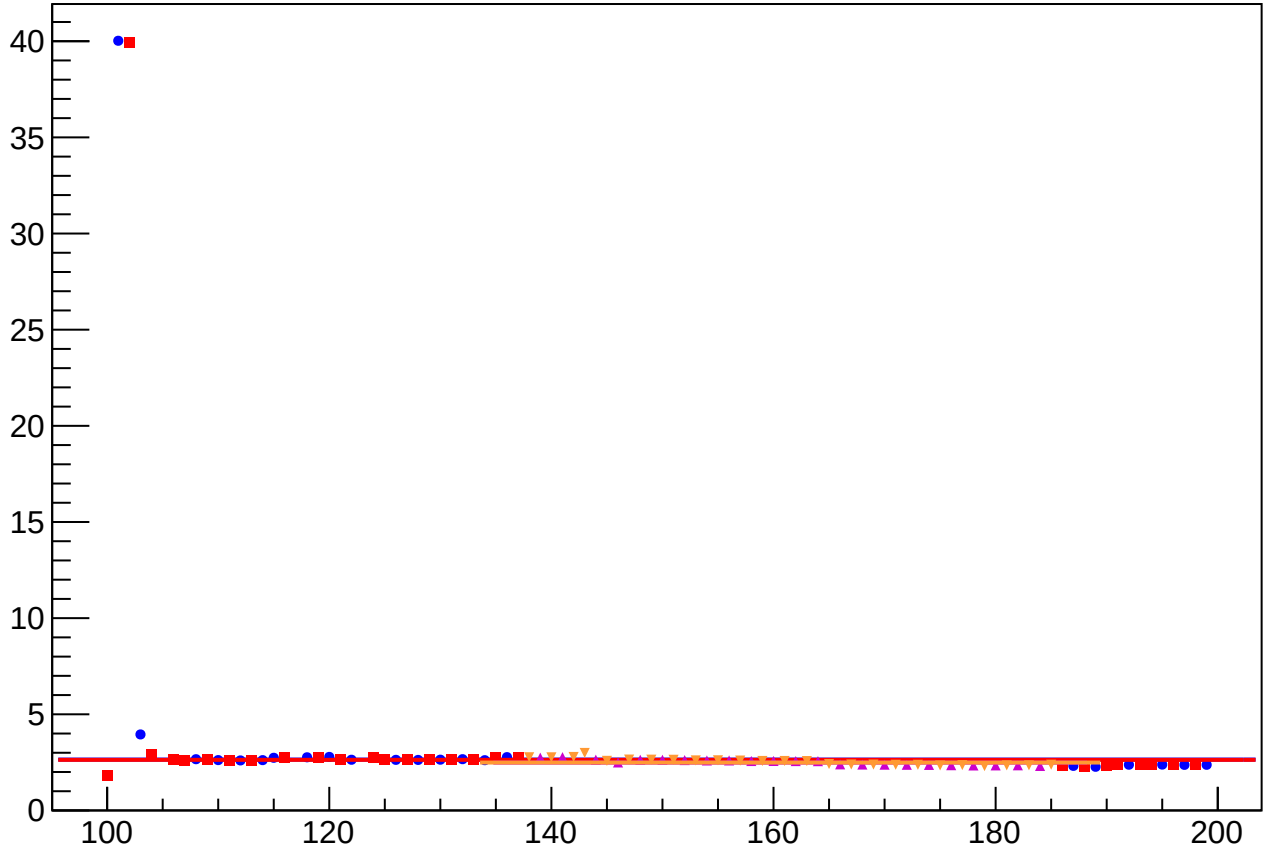
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 5693566.2/46

All: 0.018+/-0.000 χ^2/NDF: 11539591.1/96

- sign 0.019+/-0.000 χ^2/NDF: 5792810.0/49

yield_sam7_mean vs Slug



Right In: 2.646+/-0.000 χ^2/NDF: 75888087175.2/21

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.631+/-0.000 χ^2/NDF: 76143881118.1/26

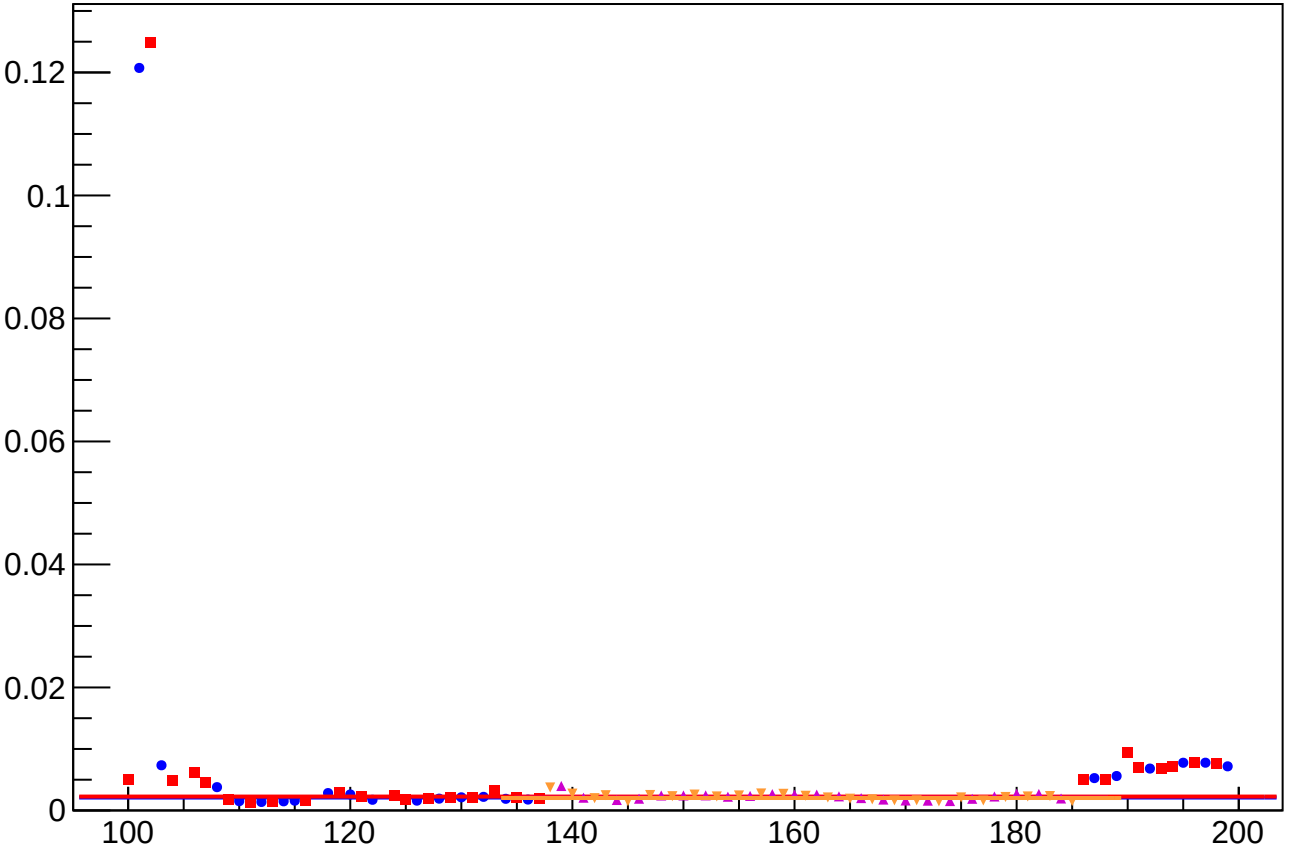
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.536+/-0.000 χ^2/NDF: 194337733600.1/46

All: 2.534+/-0.000 χ^2/NDF: 353299330078.6

- 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: 6145710.5/21

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

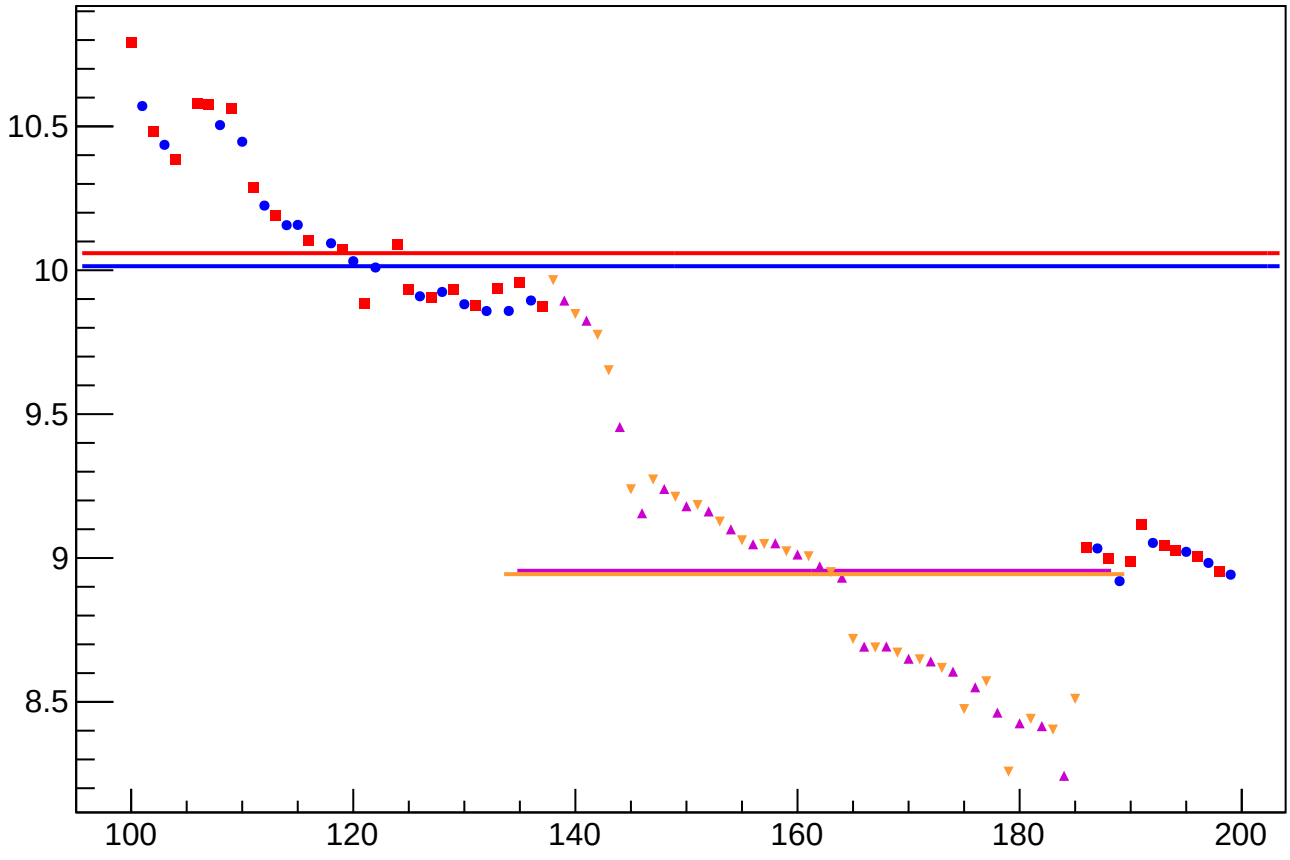
Right Out: 0.002+/-0.000 χ^2/NDF: 7425111.3/26

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 7715444.1/46

All: 0.002+/-0.000 χ^2/NDF: 16652581.6/96

- sign 0.002+/-0.000 χ^2/NDF: 8905732.3/49



Right In: 10.014+/-0.000 χ^2/NDF: 28836431482.9/21

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.059+/-0.000 χ^2/NDF: 34313383904.0/26

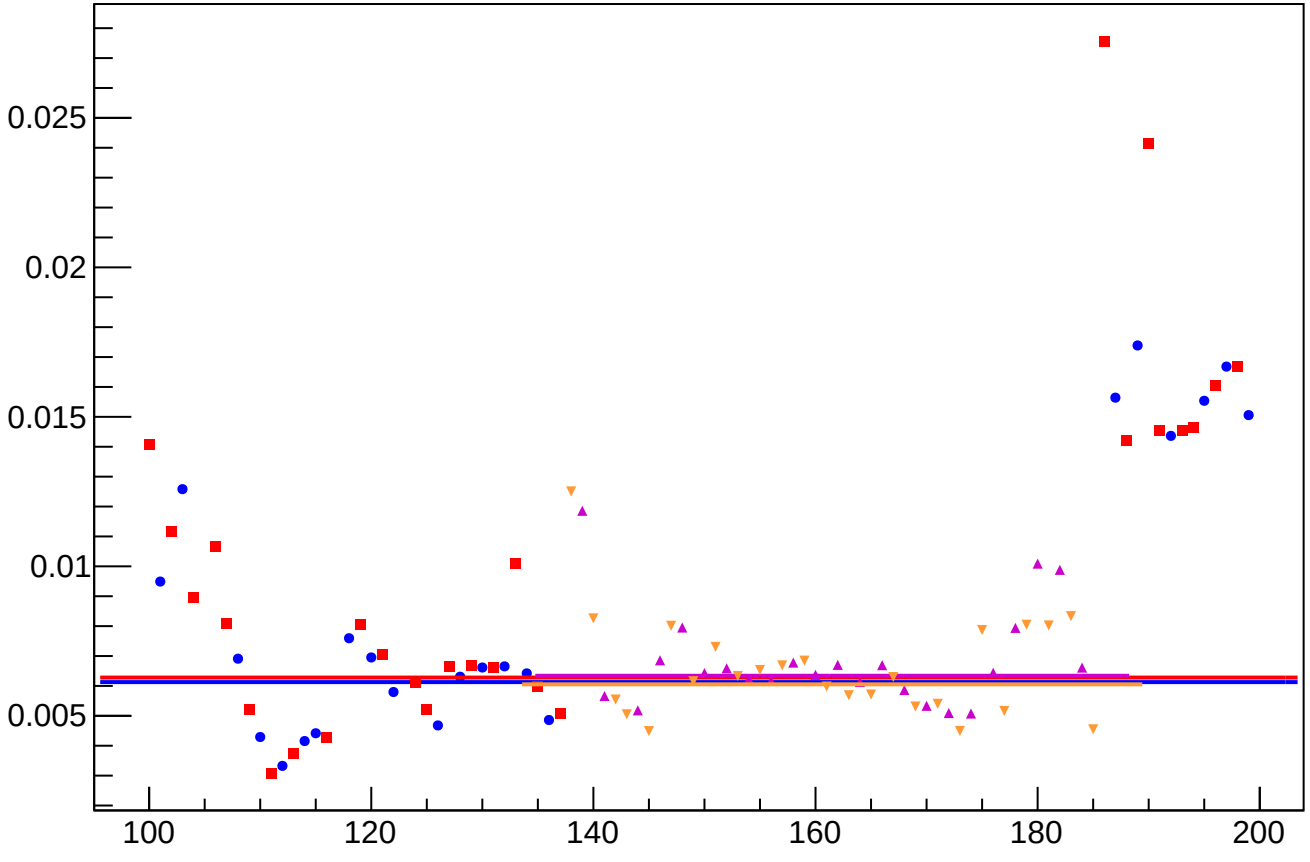
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.304+/-0.000 χ^2/NDF: 255037401848.6/46

All: 9.335+/-0.000 χ^2/NDF: 507865867980.2

- 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: 4637086.7/21

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6074552.8/26

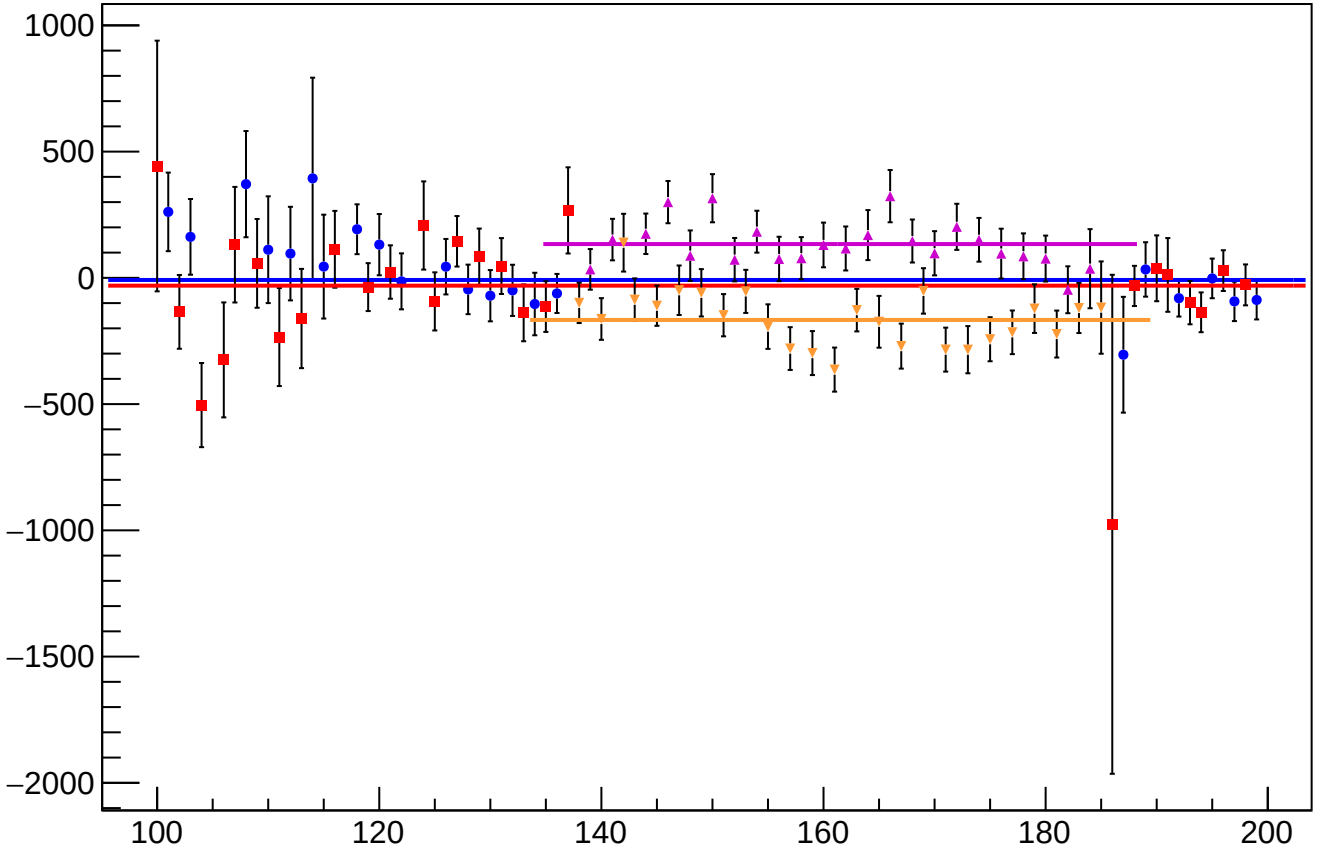
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 6099642.6/46

All: 0.006+/-0.000 χ^2/NDF: 13384696.0/96

- sign 0.006+/-0.000 χ^2/NDF: 7250795.7/49

reg_asym_sam1_mean vs Slug



Right In: -8.367+/-23.296 χ^2/NDF: 21.8/21

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -30.859+/-22.913 χ^2/NDF: 30.3/26

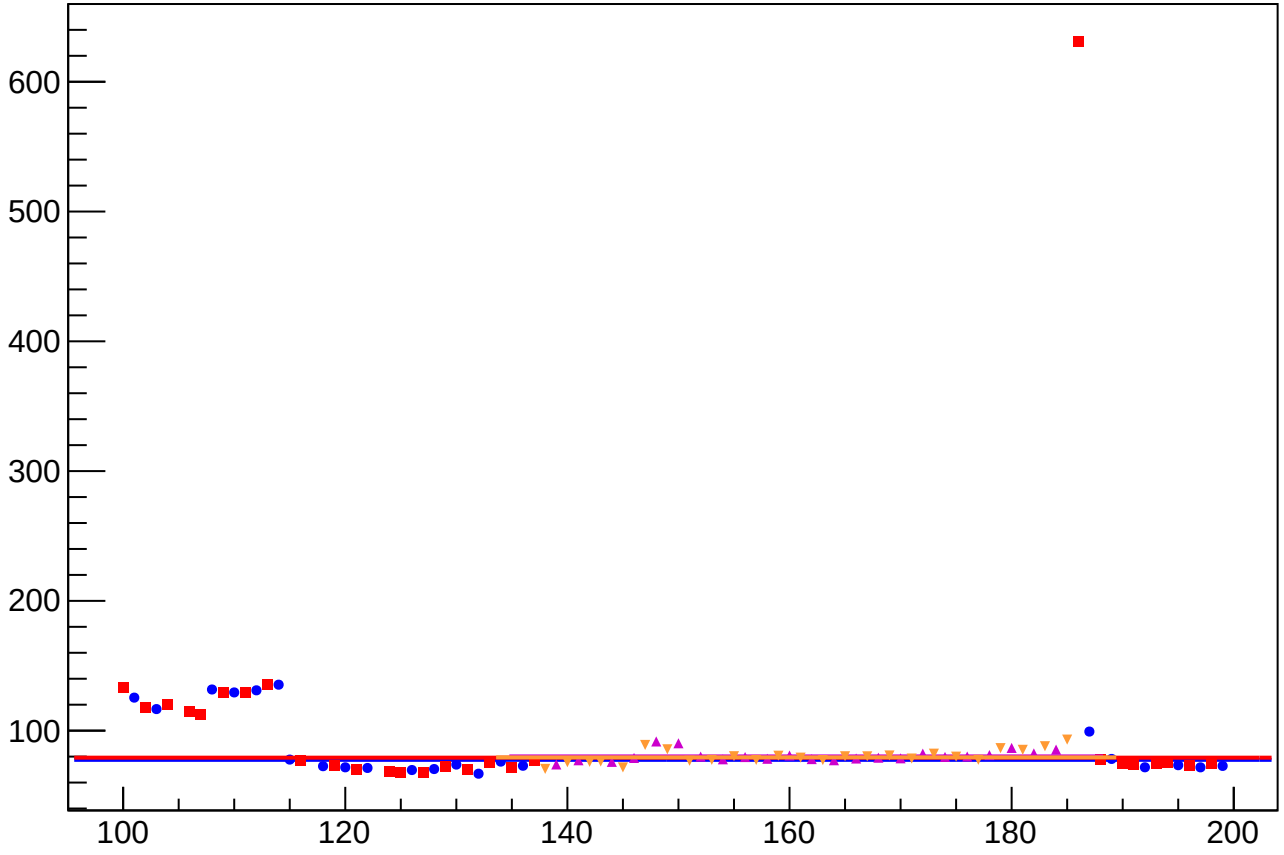
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -107.172+/-14.283 χ^2/NDF: 82.2/46

All: -21.107+/-10.180 χ^2/NDF: 238.0/96

- sign 67.764+/-14.514 χ^2/NDF: 82.0/49

reg_asym_sam1_rms vs Slug



Right In: 77.504+/-0.016 χ^2/NDF: 911508.4/21

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

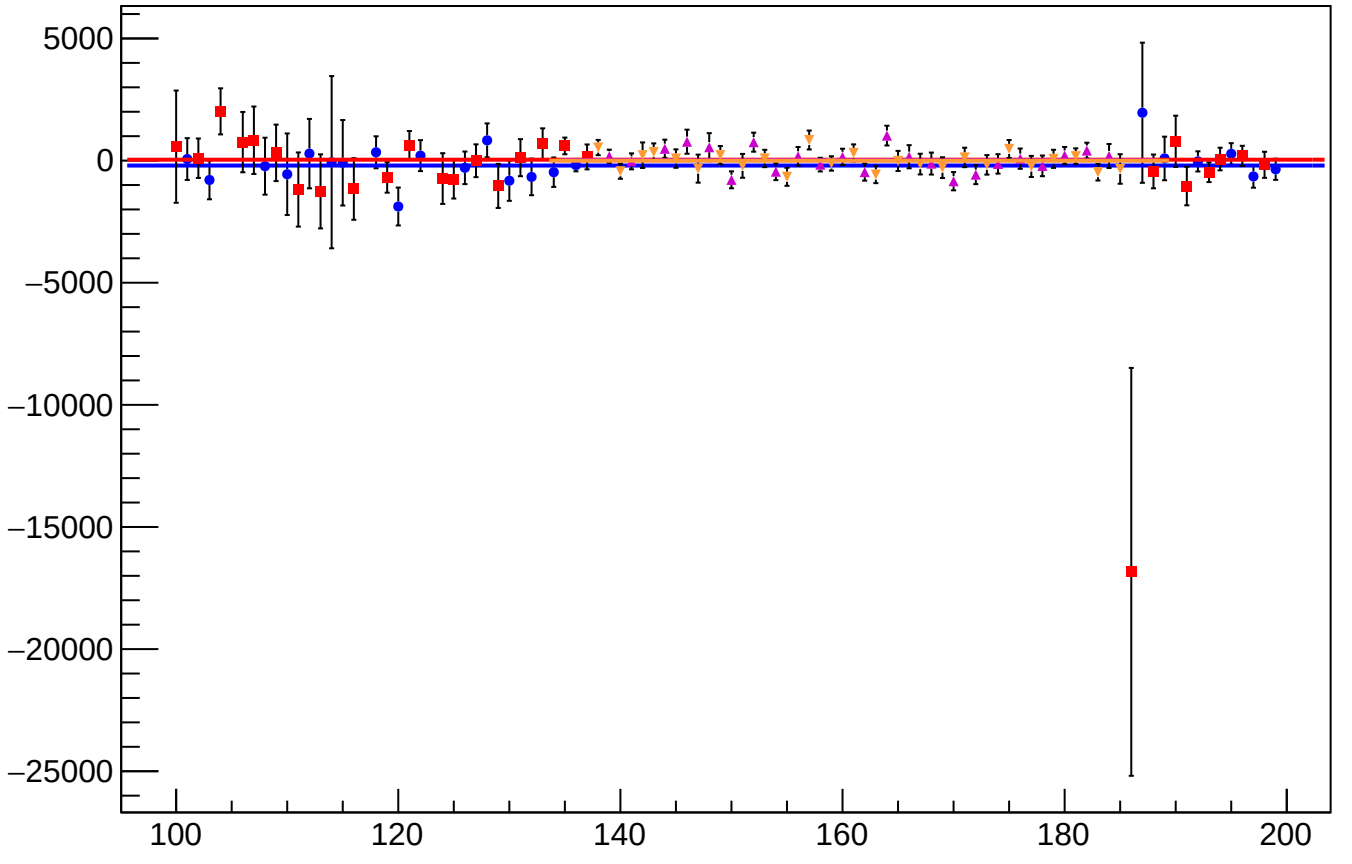
Right Out: 79.183+/-0.016 χ^2/NDF: 1604485.7/26

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

\+ sign 78.694+/-0.010 χ^2/NDF: 1054658.8/46

All: 79.222+/-0.007 χ^2/NDF: 2758356.5/96

\- sign 79.768+/-0.010 χ^2/NDF: 1698131.5/49



Right In: -202.528+/-129.298 χ^2/NDF: 13.1/21

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 36.995+/-129.913 χ^2/NDF: 25.6/26

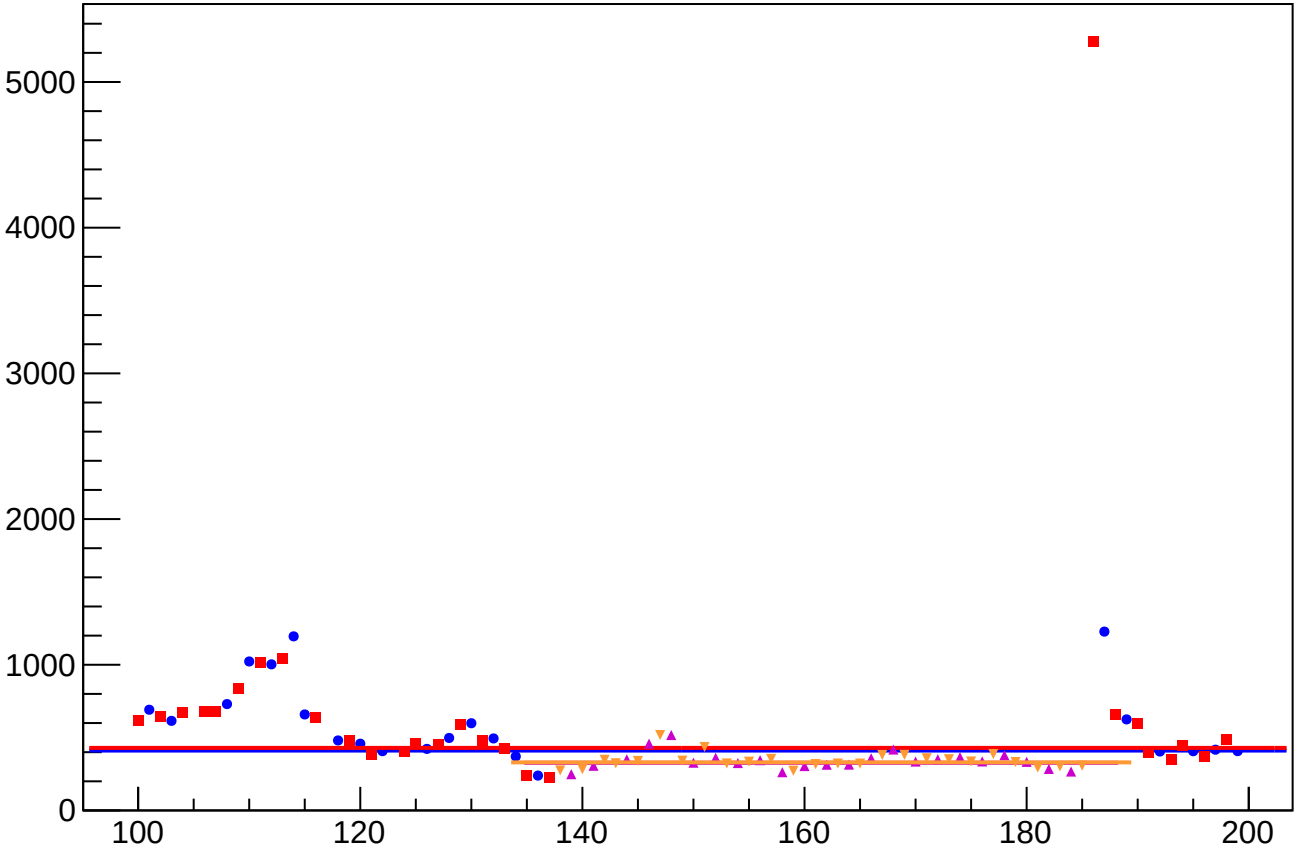
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -54.450+/-65.432 χ^2/NDF: 38.9/46

All: -15.935+/-46.669 χ^2/NDF: 100.2/96

- sign 23.947+/-66.582 χ^2/NDF: 60.6/49

asym_sam1_reg_correction_rms vs Slug



Right In: 411.078+/-0.091 χ^2/NDF: 2643543.2/21

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 429.430+/-0.092 χ^2/NDF: 3462611.6/26

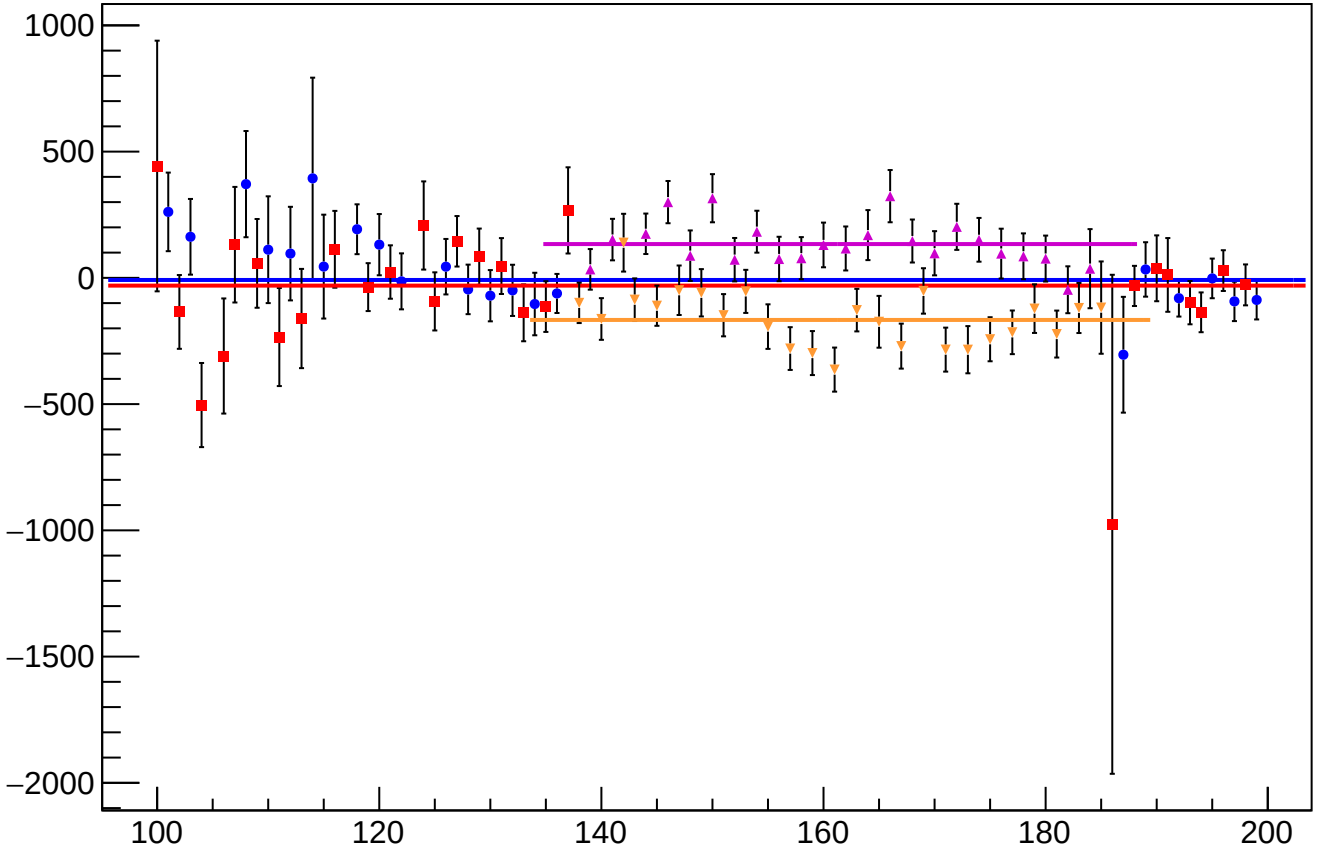
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 350.739+/-0.046 χ^2/NDF: 3888277.7/46

All: 352.282+/-0.033 χ^2/NDF: 9169863.8/96

- sign 353.878+/-0.047 χ^2/NDF: 5279324.8/49

cor_asym_sam1_mean vs Slug



Right In: -8.361+/-23.296 χ^2/NDF: 21.8/21

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -30.698+/-22.914 χ^2/NDF: 30.1/26

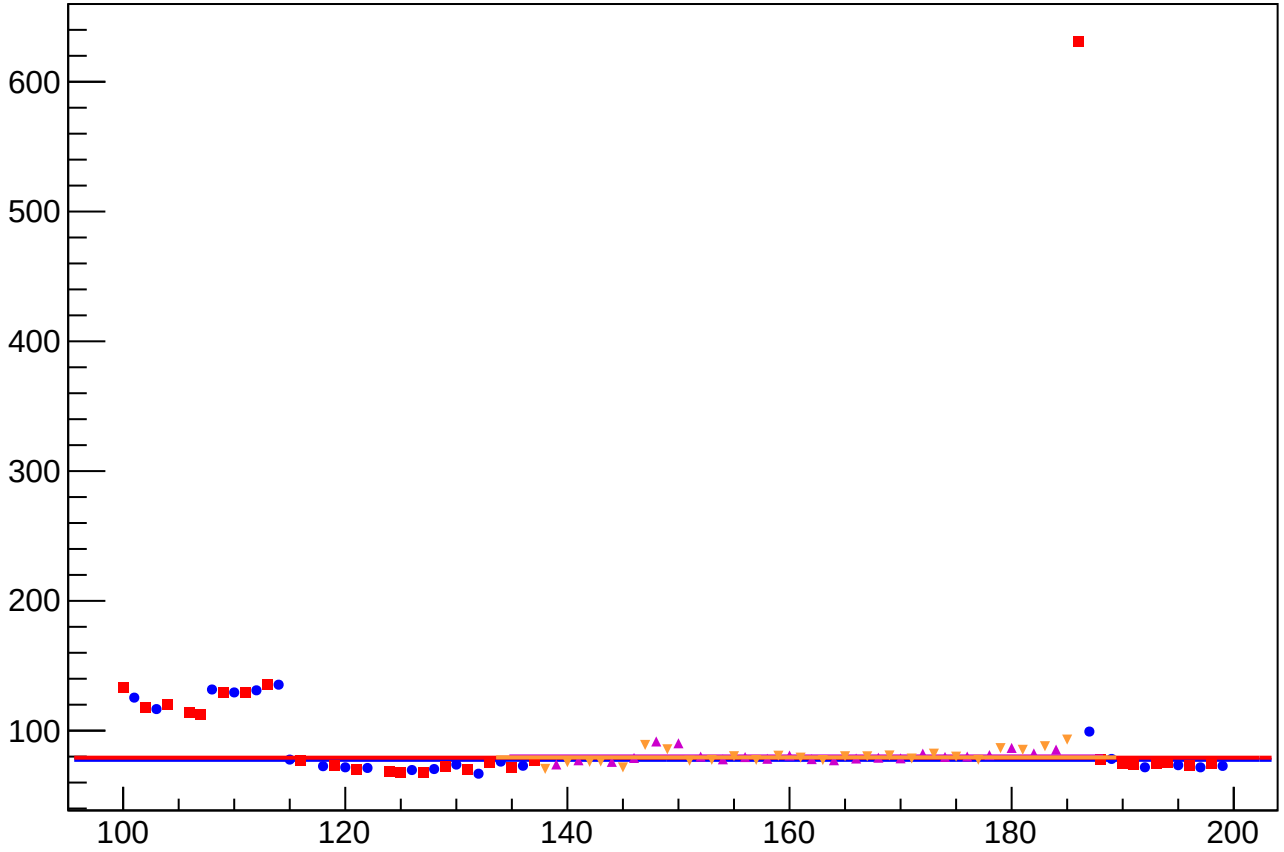
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -107.169+/-14.283 χ^2/NDF: 82.2/46

All: -21.072+/-10.180 χ^2/NDF: 237.8/96

- sign 67.834+/-14.514 χ^2/NDF: 81.7/49

cor_asym_sam1_rms vs Slug



Right In: 77.504+/-0.016 χ^2/NDF: 911508.6/21

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 79.175+/-0.016 χ^2/NDF: 1602438.5/26

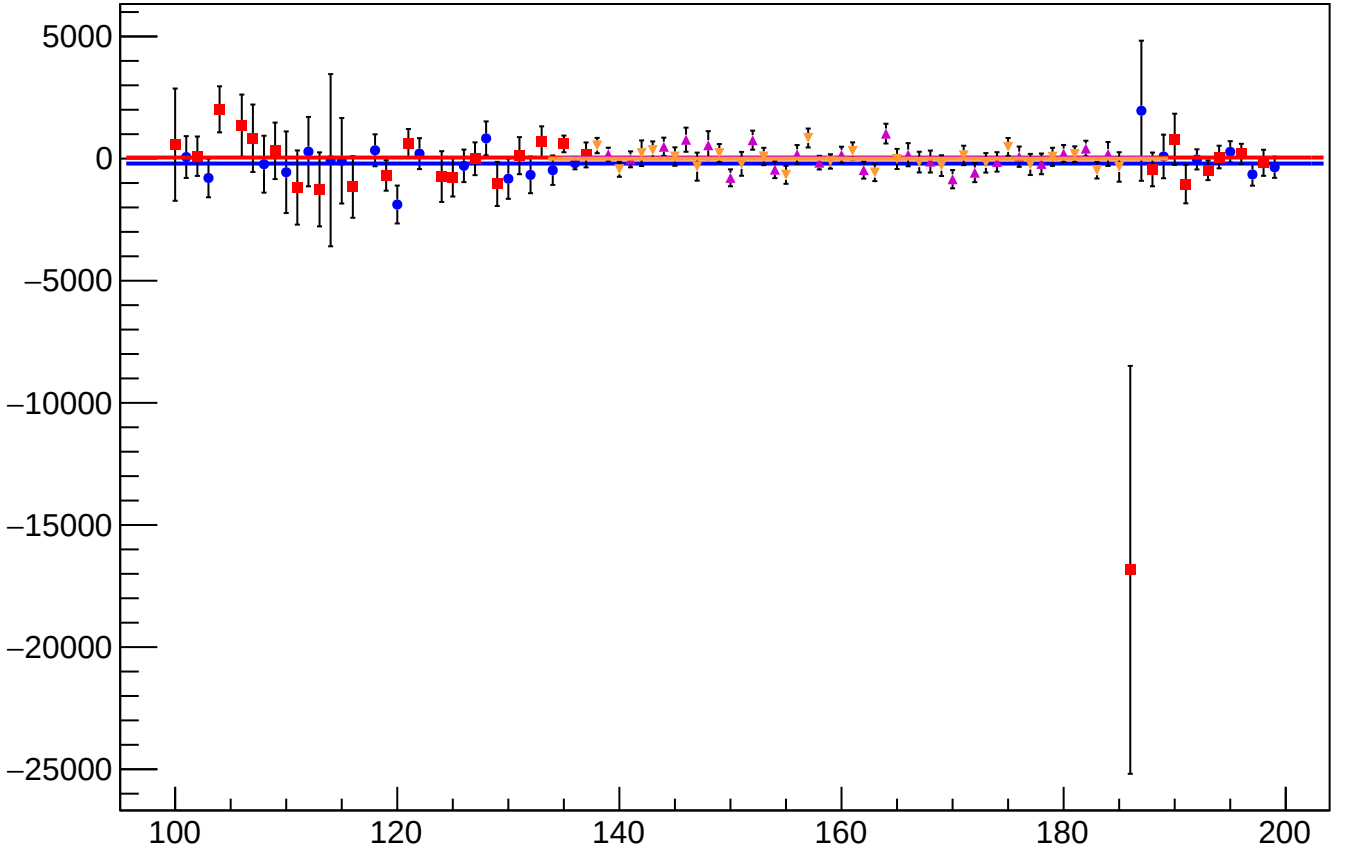
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

\+ sign 78.694+/-0.010 χ^2/NDF: 1054659.0/46

All: 79.221+/-0.007 χ^2/NDF: 2756312.2/96

\- sign 79.765+/-0.010 χ^2/NDF: 1696121.3/49

asym_sam1_cor_correction_mean vs Slug



Right In: -202.526+/-129.298 χ^2/NDF: 13.1/21

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 42.680+/-129.956 χ^2/NDF: 26.3/26

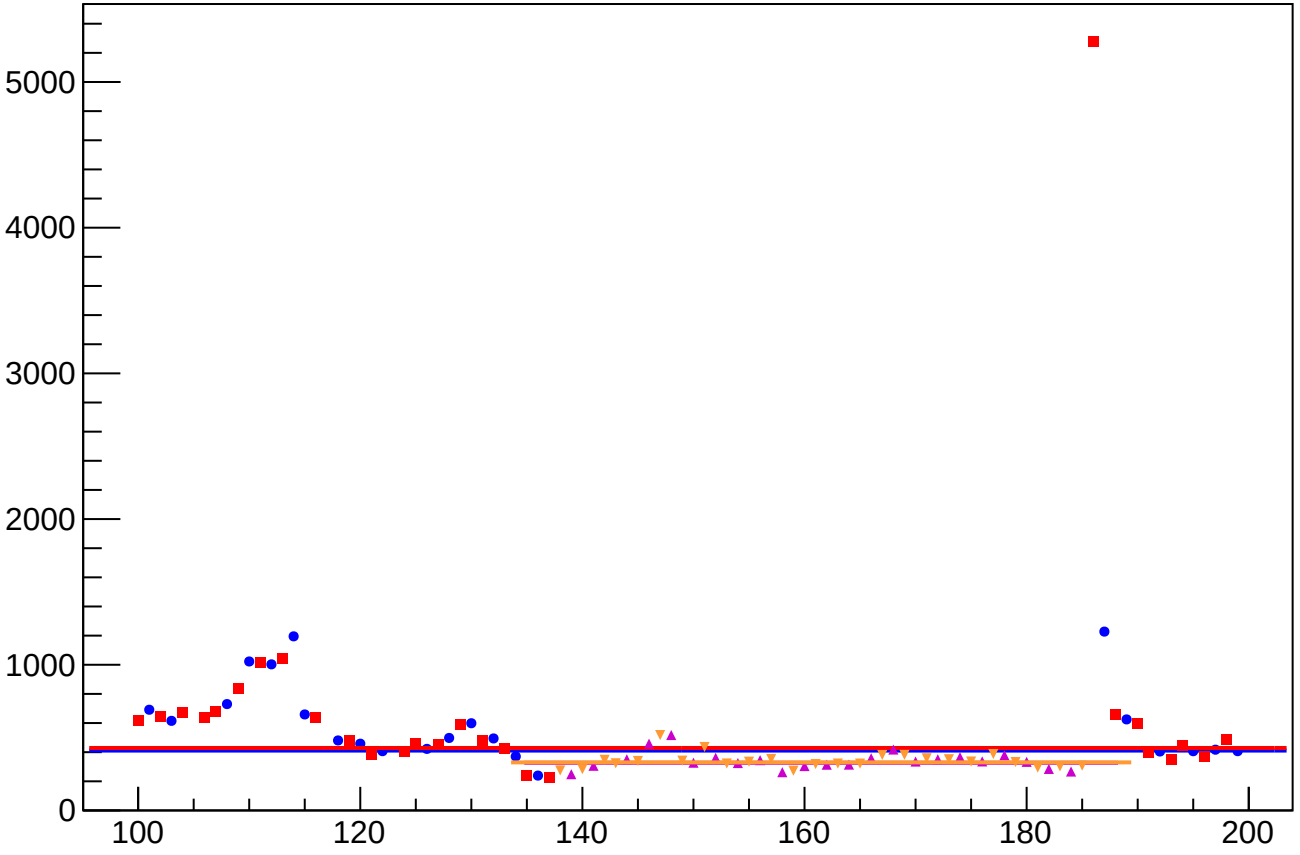
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -54.449+/-65.432 χ^2/NDF: 38.9/46

All: -15.203+/-46.671 χ^2/NDF: 101.0/96

\- sign 25.442+/-66.588 χ^2/NDF: 61.4/49

asym_sam1_cor_correction_rms vs Slug



Right In: 411.079+/-0.091 χ^2/NDF: 2643537.7/21

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 428.856+/-0.092 χ^2/NDF: 3435344.4/26

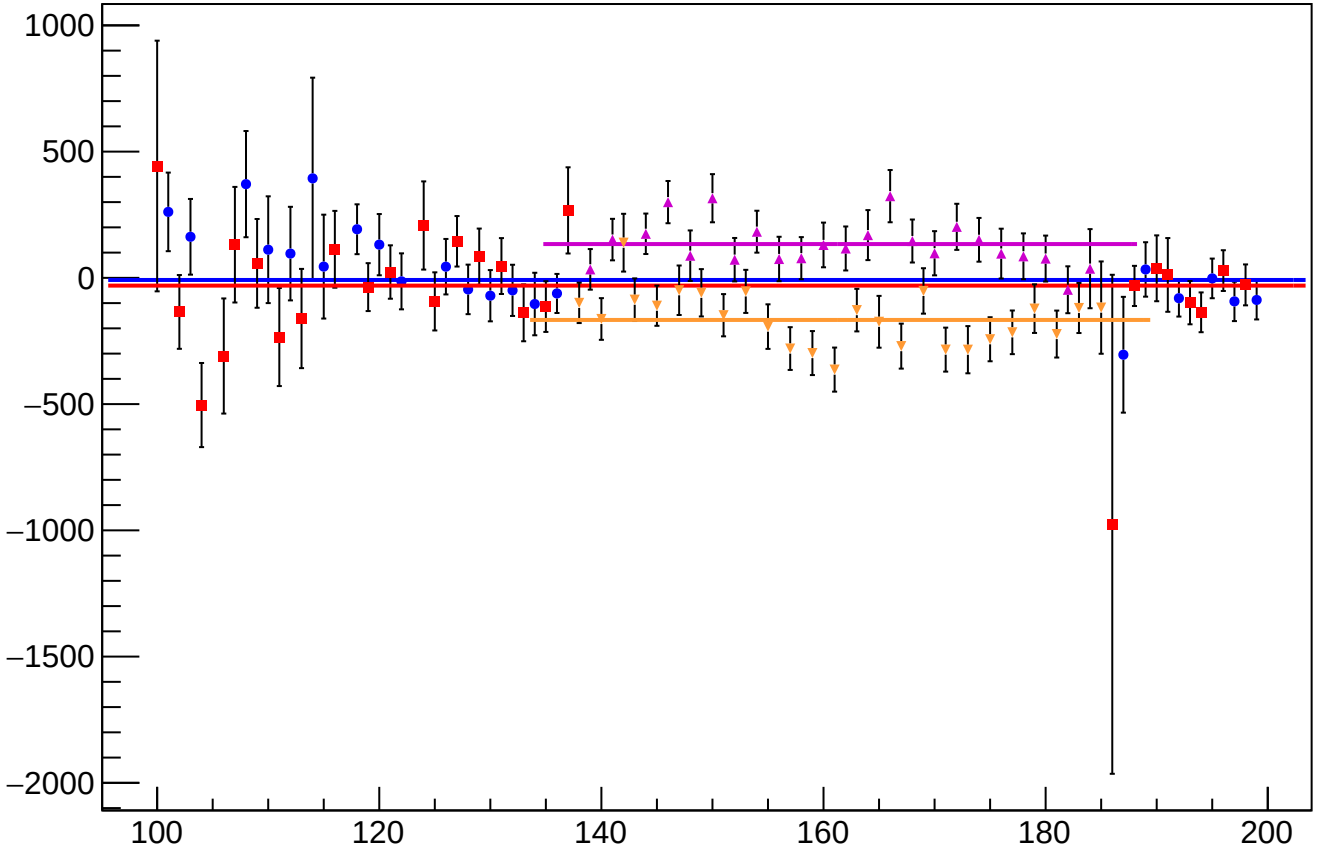
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

\+ sign 350.739+/-0.046 χ^2/NDF: 3888284.5/46

All: 352.201+/-0.033 χ^2/NDF: 9131681.0/96

\- sign 353.715+/-0.047 χ^2/NDF: 5241365.3/49

eigen_cor_asym_sam1_mean vs Slug



Right In: -8.361+/-23.296 χ^2/NDF: 21.8/21

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -30.698+/-22.914 χ^2/NDF: 30.1/26

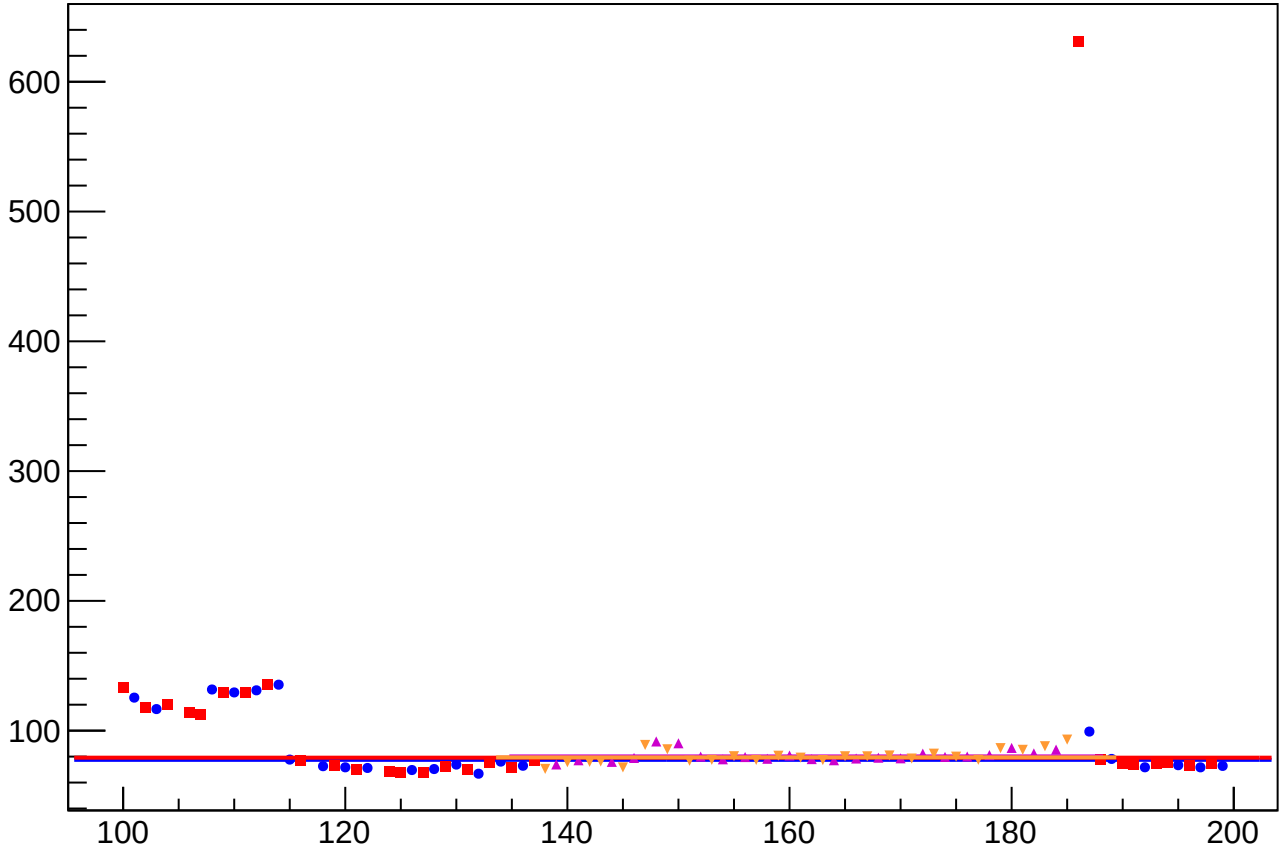
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -107.169+/-14.283 χ^2/NDF: 82.2/46

All: -21.072+/-10.180 χ^2/NDF: 237.8/96

- sign 67.834+/-14.514 χ^2/NDF: 81.7/49

eigen_cor_asym_sam1_rms vs Slug



Right In: 77.504+/-0.016 χ^2/NDF: 911508.6/21

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 79.175+/-0.016 χ^2/NDF: 1602438.5/26

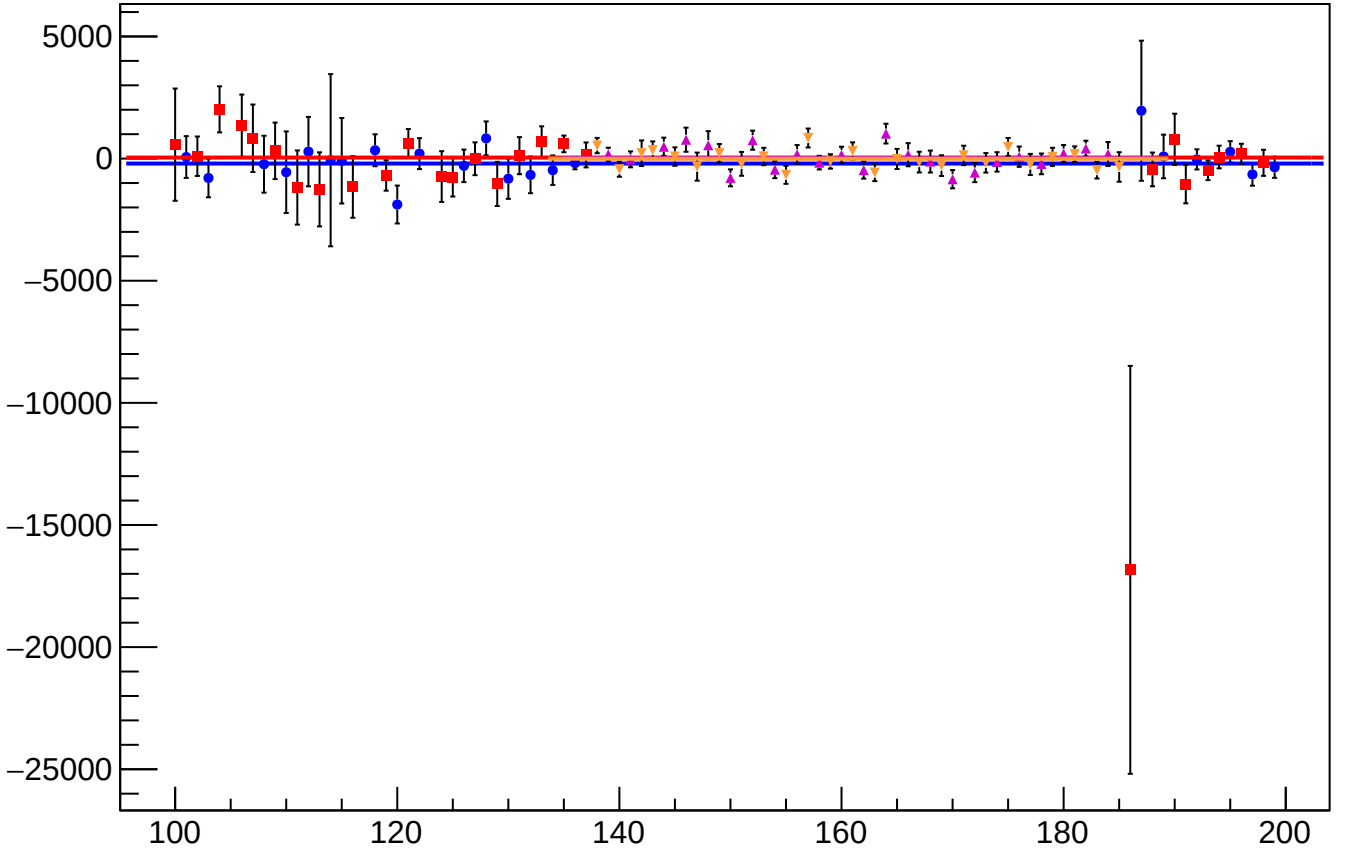
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.694+/-0.010 χ^2/NDF: 1054659.0/46

All: 79.221+/-0.007 χ^2/NDF: 2756312.2/96

- sign 79.765+/-0.010 χ^2/NDF: 1696121.3/49

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -202.526+/-129.298 χ^2/NDF: 13.1/21

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 42.680+/-129.956 χ^2/NDF: 26.3/26

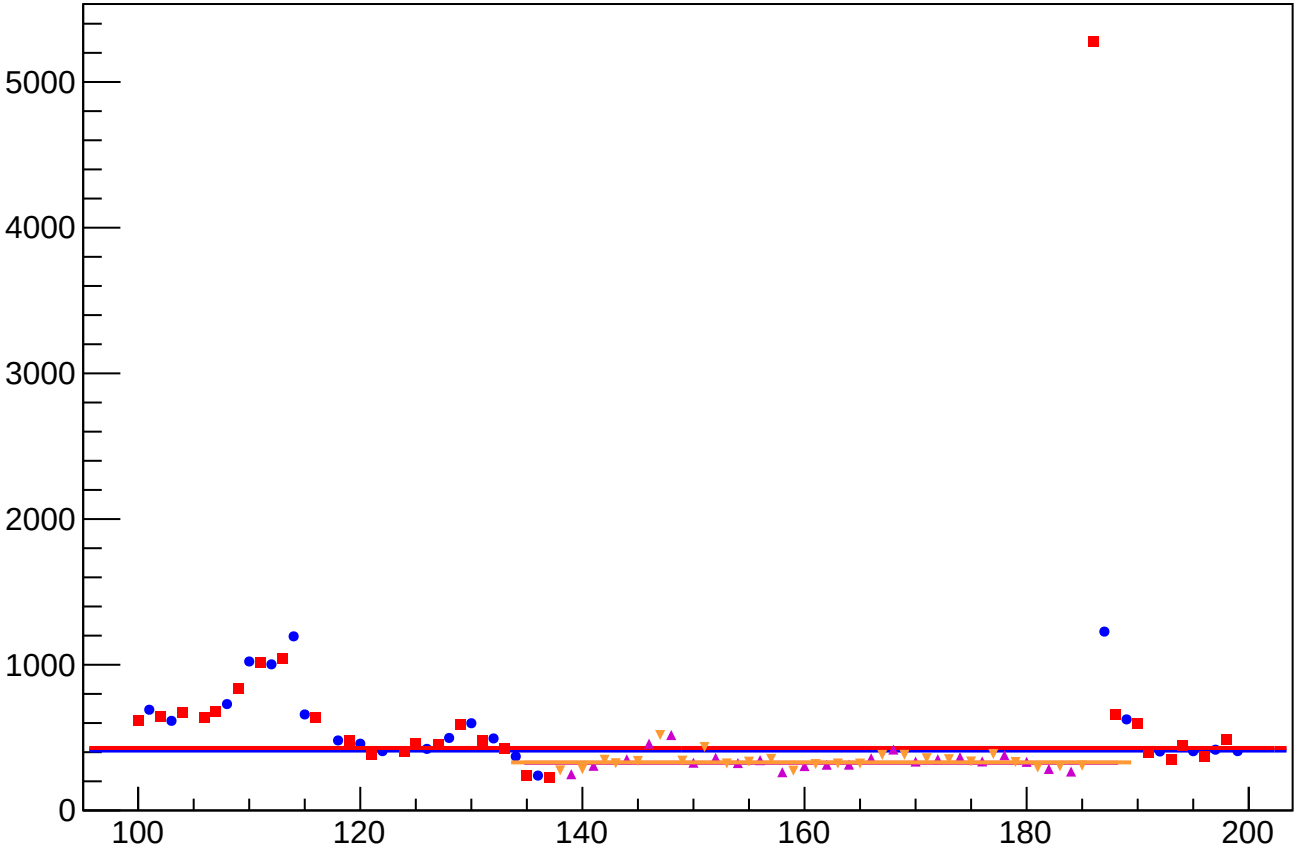
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -54.449+/-65.432 χ^2/NDF: 38.9/46

All: -15.203+/-46.671 χ^2/NDF: 101.0/96

\- sign 25.442+/-66.588 χ^2/NDF: 61.4/49

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 411.079+/-0.091 χ^2/NDF: 2643537.7/21

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 428.856+/-0.092 χ^2/NDF: 3435344.4/26

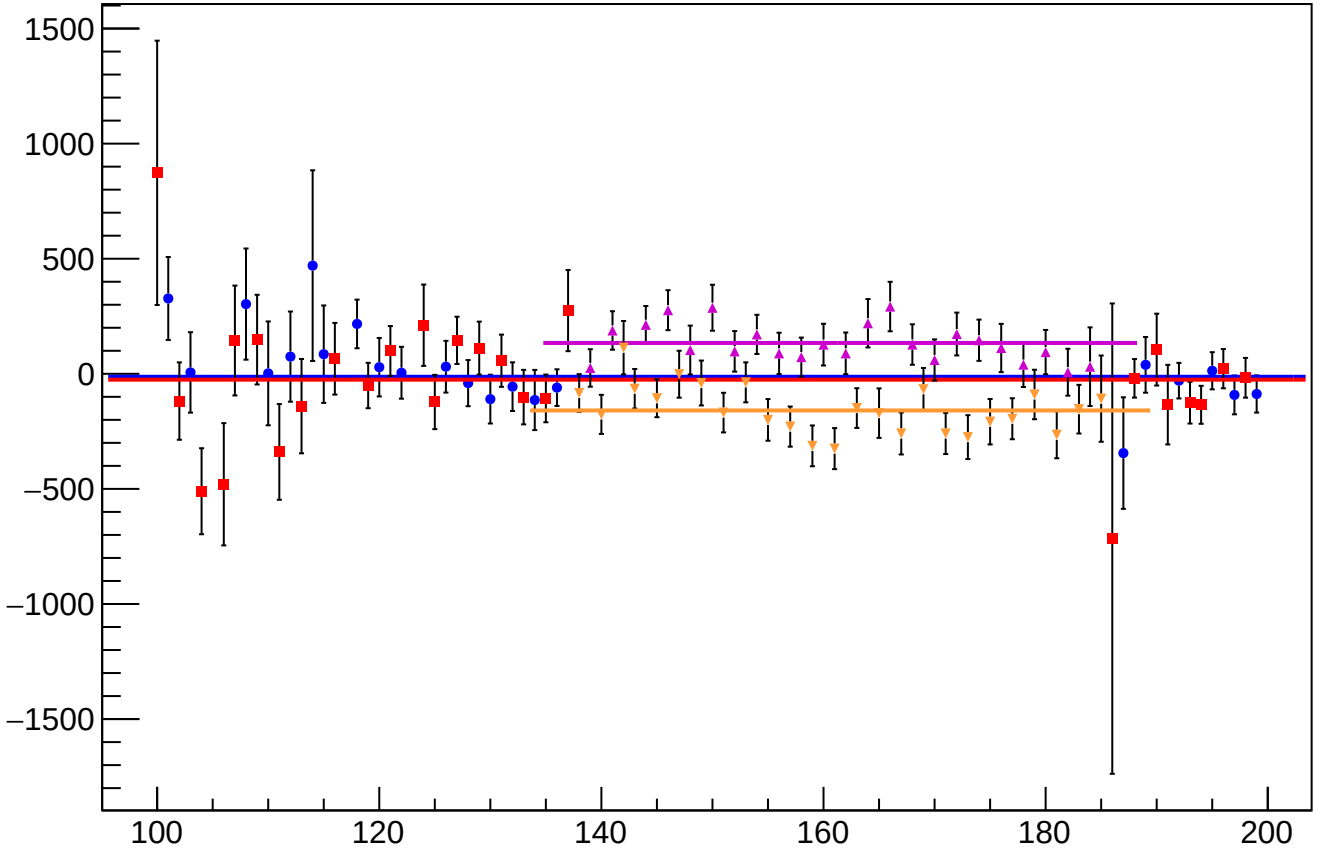
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 350.739+/-0.046 χ^2/NDF: 3888284.5/46

All: 352.201+/-0.033 χ^2/NDF: 9131681.0/96

- sign 353.715+/-0.047 χ^2/NDF: 5241365.3/49

dit_asym_sam1_mean vs Slug



Right In: -12.866+/-24.554 χ^2/NDF: 18.0/21

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -25.454+/-24.193 χ^2/NDF: 34.0/26

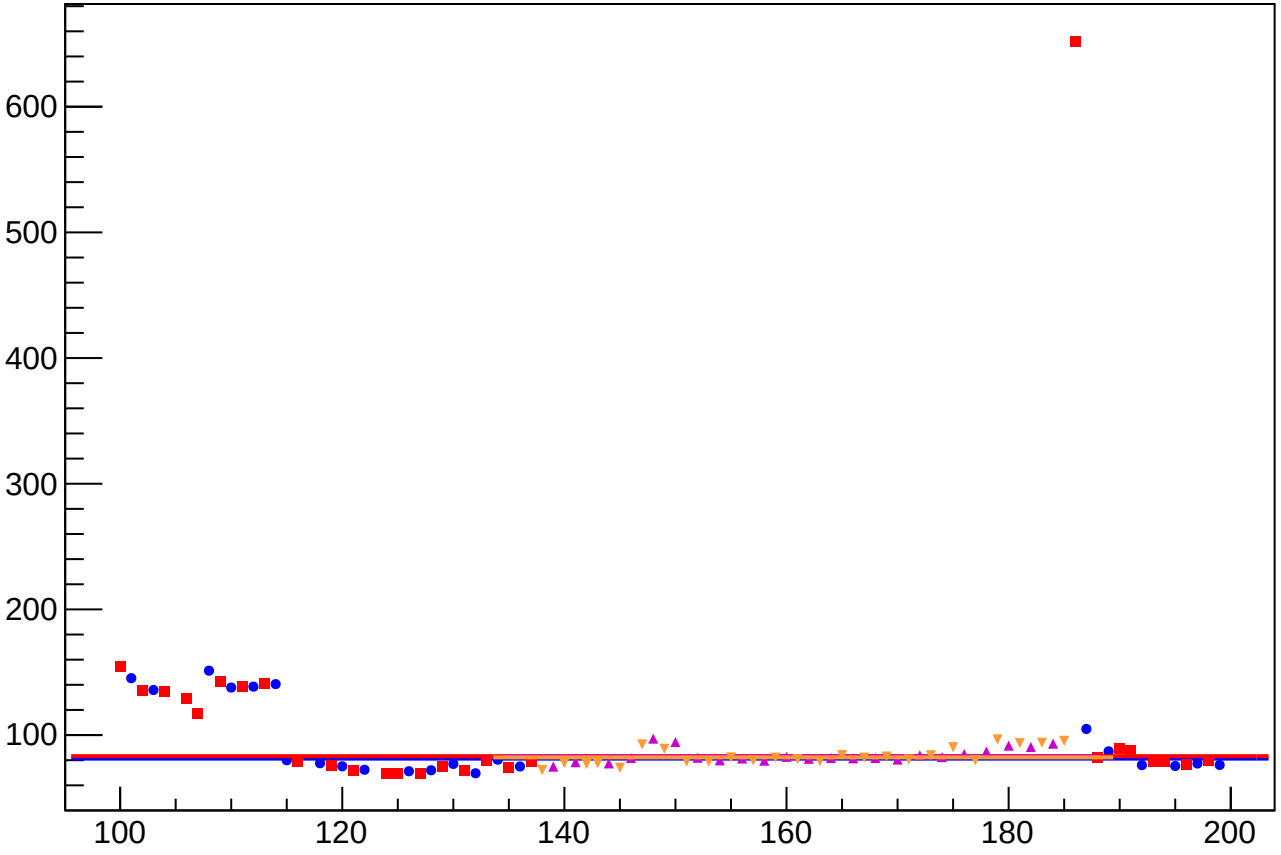
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -105.318+/-14.902 χ^2/NDF: 68.6/46

All: -18.424+/-10.625 χ^2/NDF: 214.6/96

- sign 71.440+/-15.154 χ^2/NDF: 76.8/49

dit_asym_sam1_rms vs Slug



Right In: 81.268+/-0.017 χ^2/NDF: 1100882.5/21

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 83.206+/-0.017 χ^2/NDF: 1774096.4/26

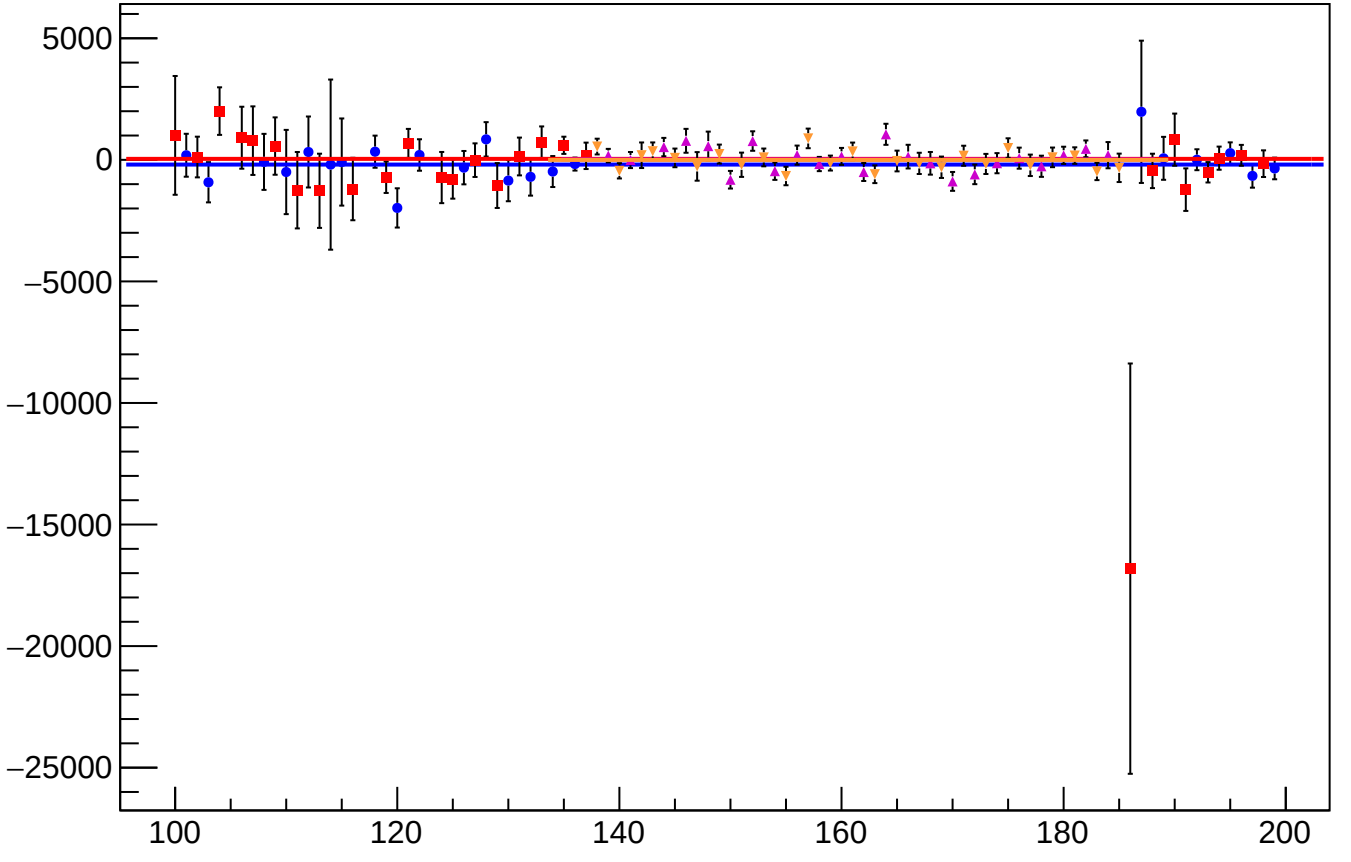
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 81.887+/-0.011 χ^2/NDF: 1319439.0/46

All: 82.472+/-0.008 χ^2/NDF: 3245508.8/96

- sign 83.077+/-0.011 χ^2/NDF: 1919799.4/49

asym_sam1_dit_correction_mean vs Slug



Right In: -194.513+/-133.934 χ^2/NDF: 13.5/21

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 40.199+/-134.448 χ^2/NDF: 25.8/26

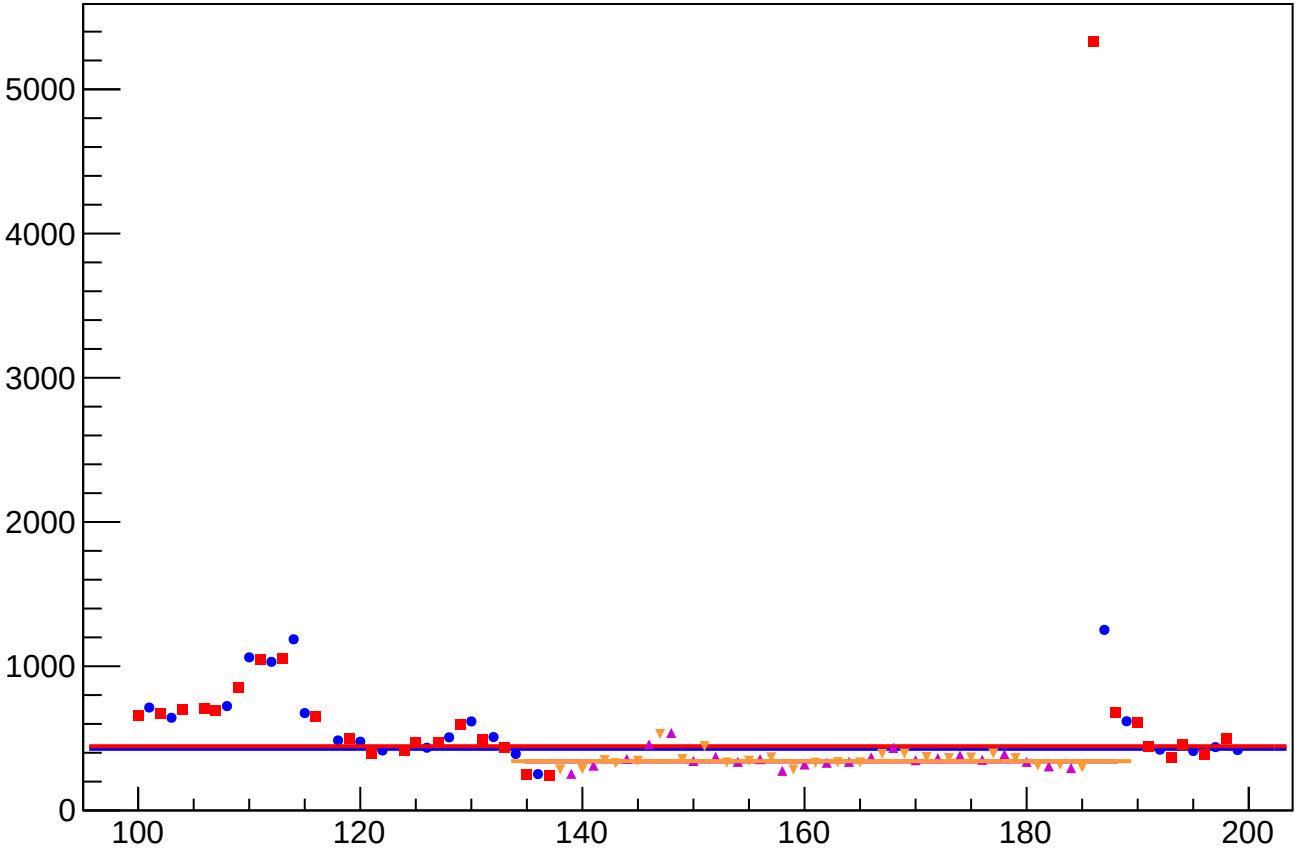
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -52.114+/-67.777 χ^2/NDF: 38.5/46

All: -15.352+/-48.355 χ^2/NDF: 99.8/96

\- sign 22.757+/-69.009 χ^2/NDF: 60.7/49

asym_sam1_dit_correction_rms vs Slug



Right In: 427.315+/-0.095 χ^2/NDF: 2515135.3/21

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 445.432+/-0.095 χ^2/NDF: 3372919.7/26

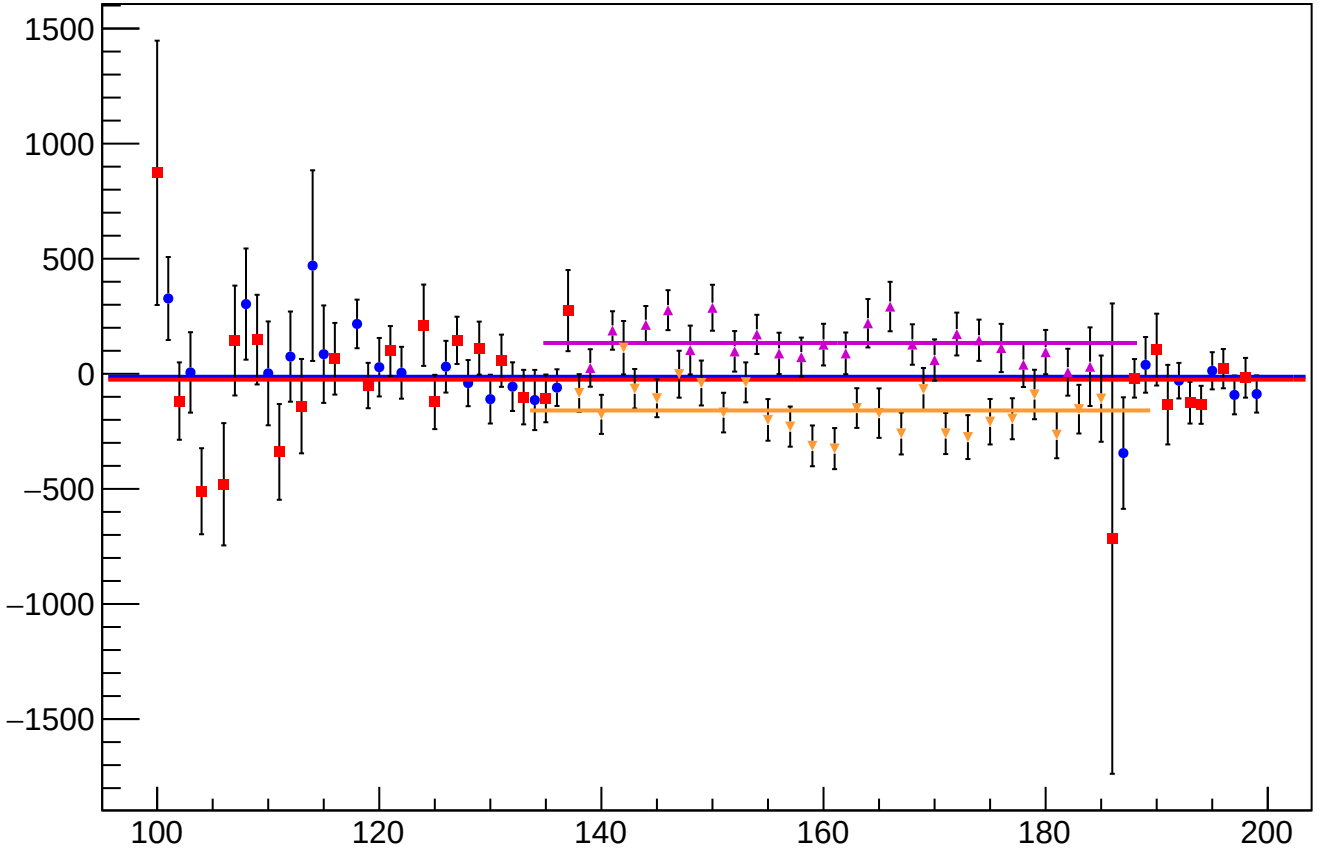
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 363.787+/-0.048 χ^2/NDF: 3773932.1/46

All: 365.539+/-0.034 χ^2/NDF: 8911968.4/96

- sign 367.356+/-0.049 χ^2/NDF: 5135312.4/49

eigen_dit_asym_sam1_mean vs Slug



Right In: -12.866+/-24.554 χ^2/NDF: 18.0/21

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -25.453+/-24.193 χ^2/NDF: 34.0/26

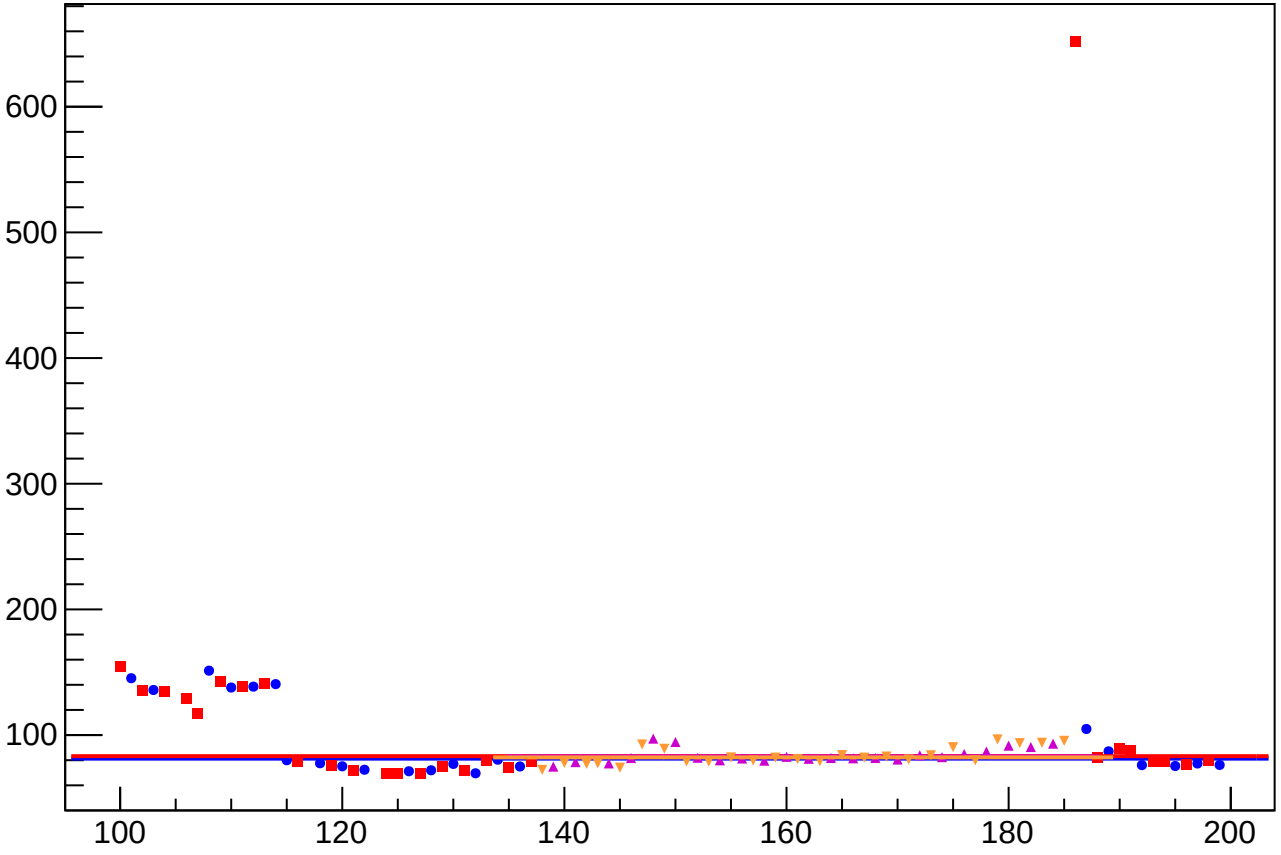
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -105.318+/-14.902 χ^2/NDF: 68.6/46

All: -18.423+/-10.625 χ^2/NDF: 214.6/96

- sign 71.441+/-15.154 χ^2/NDF: 76.8/49

eigen_dit_asym_sam1_rms vs Slug



Right In: 81.268+/-0.017 χ^2/NDF: 1100883.7/21

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 83.206+/-0.017 χ^2/NDF: 1774096.3/26

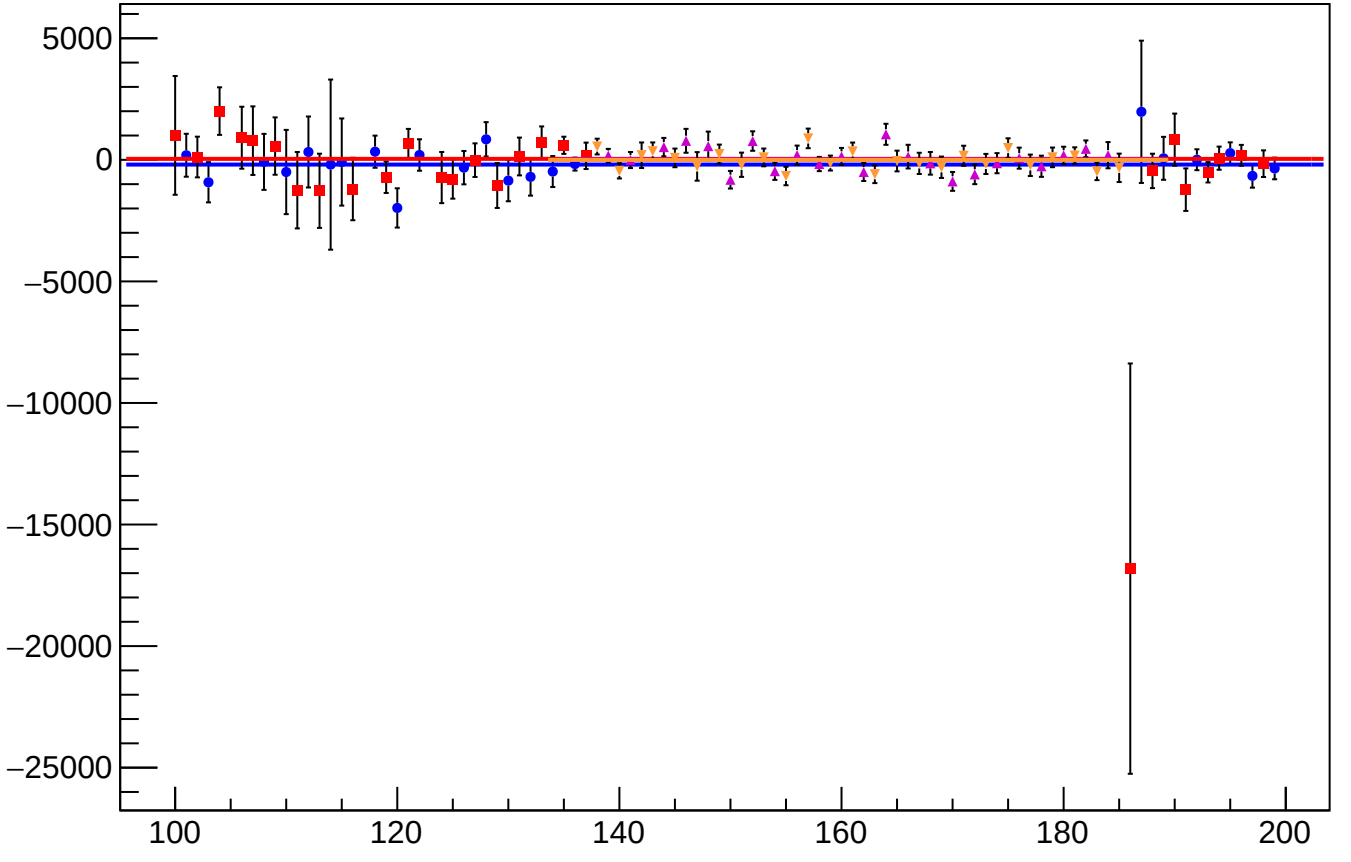
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 81.887+/-0.011 χ^2/NDF: 1319440.9/46

All: 82.472+/-0.008 χ^2/NDF: 3245508.7/96

- sign 83.077+/-0.011 χ^2/NDF: 1919797.6/49

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -194.511+/-133.934 χ^2/NDF: 13.5/21

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 40.199+/-134.448 χ^2/NDF: 25.8/26

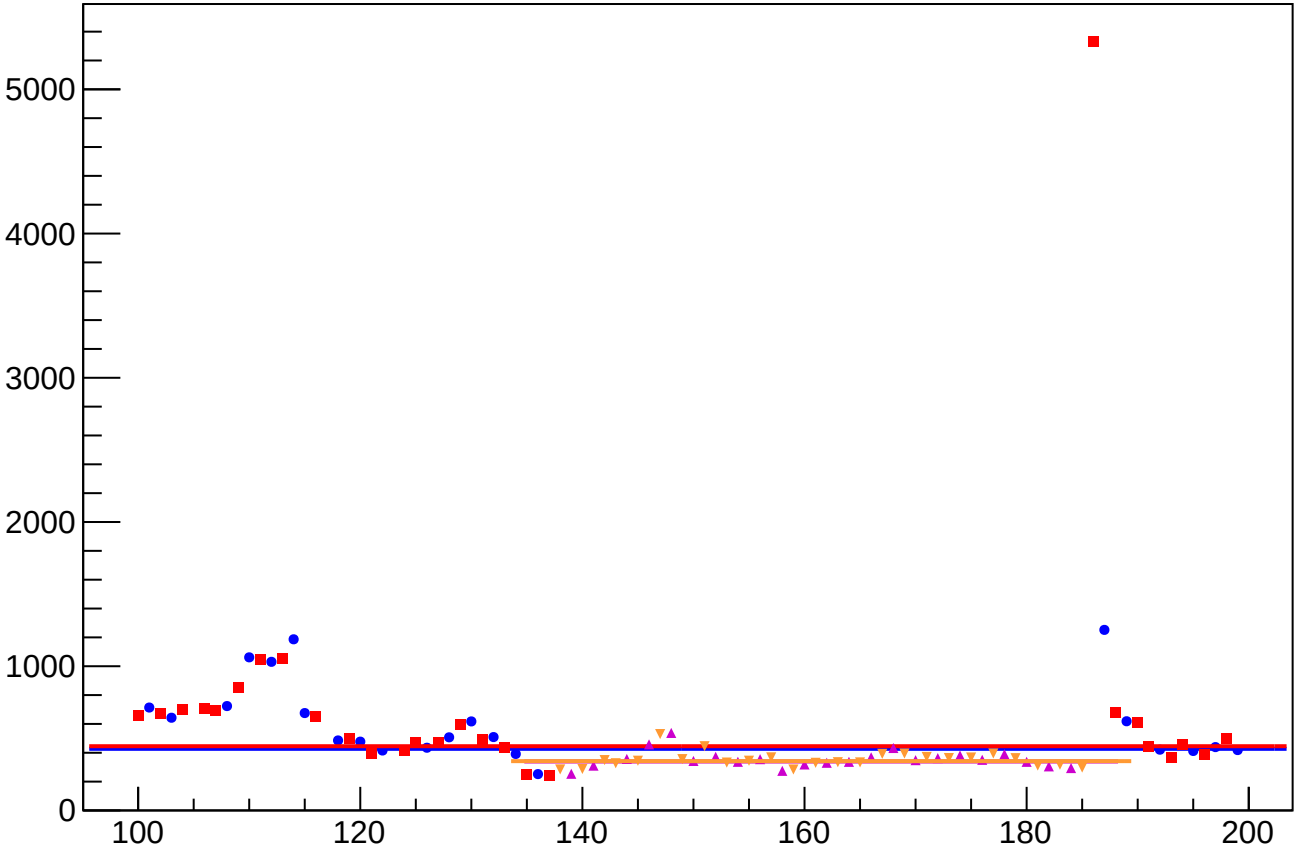
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -52.113+/-67.777 χ^2/NDF: 38.5/46

All: -15.352+/-48.355 χ^2/NDF: 99.8/96

\- sign 22.757+/-69.009 χ^2/NDF: 60.7/49

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 427.314+/-0.095 χ^2/NDF: 2515140.4/21

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 445.430+/-0.095 χ^2/NDF: 3372928.4/26

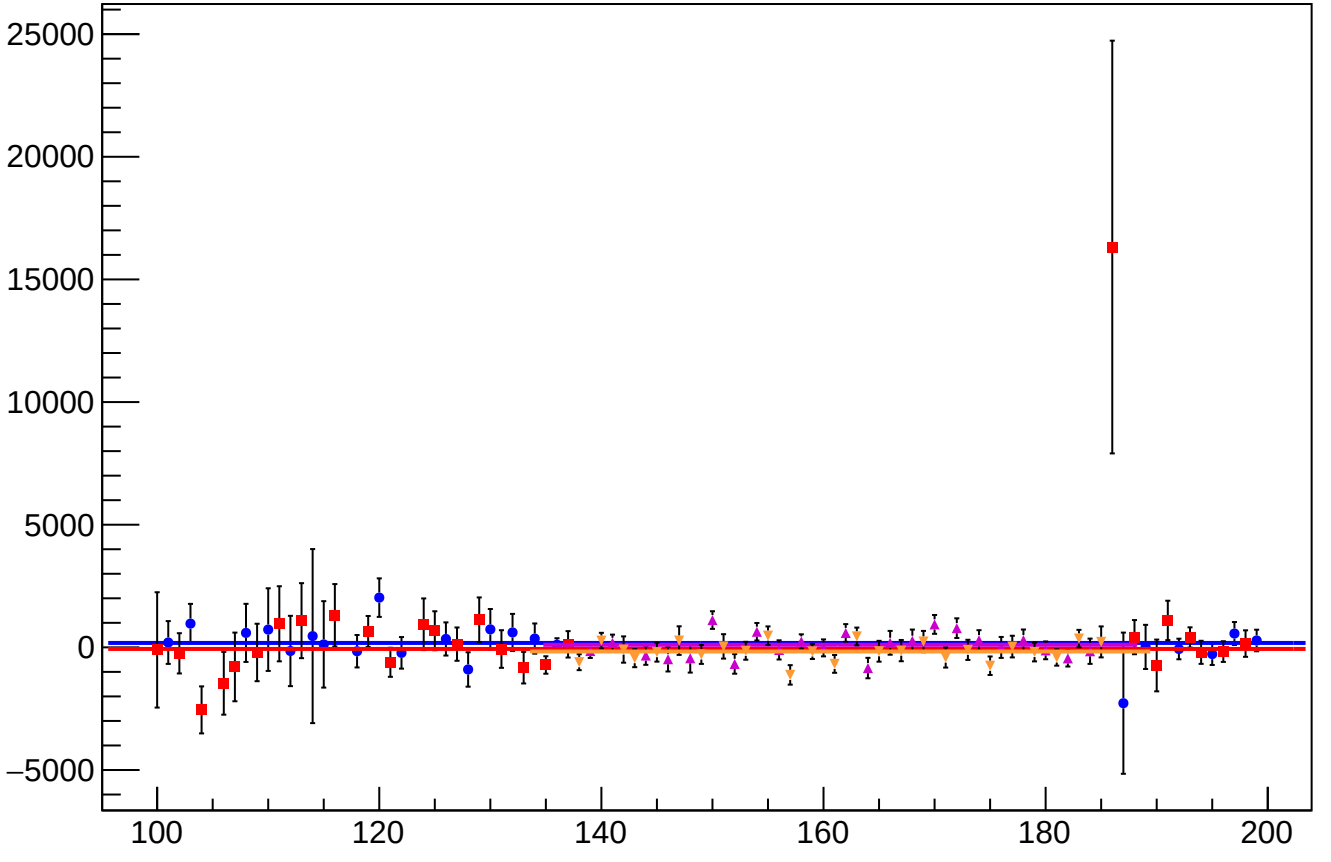
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 363.786+/-0.048 χ^2/NDF: 3773929.8/46

All: 365.539+/-0.034 χ^2/NDF: 8911963.9/96

- sign 367.356+/-0.049 χ^2/NDF: 5135310.2/49

asym_sam1_mean vs Slug



Right In: 180.227+/-132.243 χ^2/NDF: 13.7/21

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -64.408+/-132.745 χ^2/NDF: 29.4/26

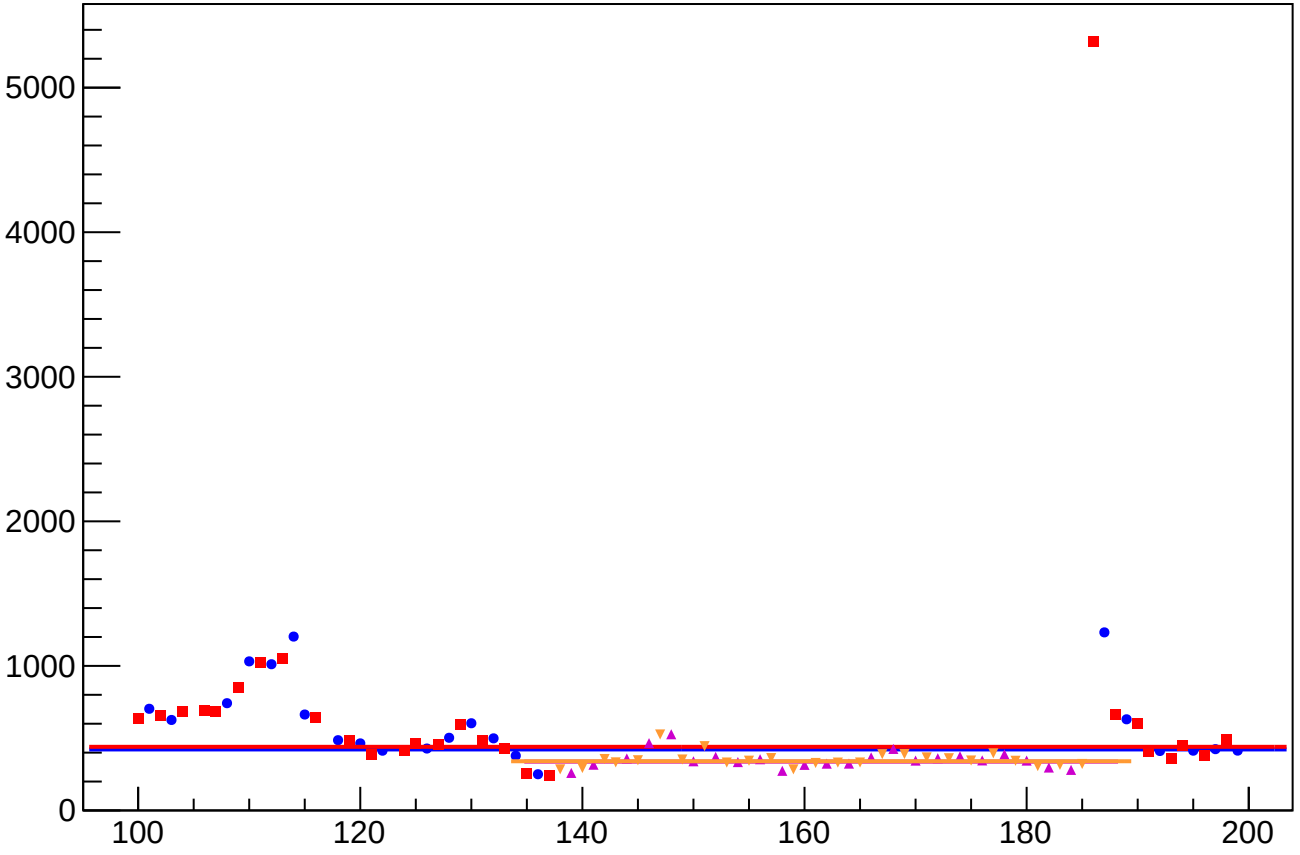
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -77.357+/-67.298 χ^2/NDF: 44.4/46

All: -10.329+/-48.012 χ^2/NDF: 114.5/96

- sign 59.146+/-68.516 χ^2/NDF: 68.1/49

asym_sam1_rms vs Slug



Right In: 422.026+/-0.094 χ^2/NDF: 2495203.2/21

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 440.202+/-0.094 χ^2/NDF: 3308691.6/26

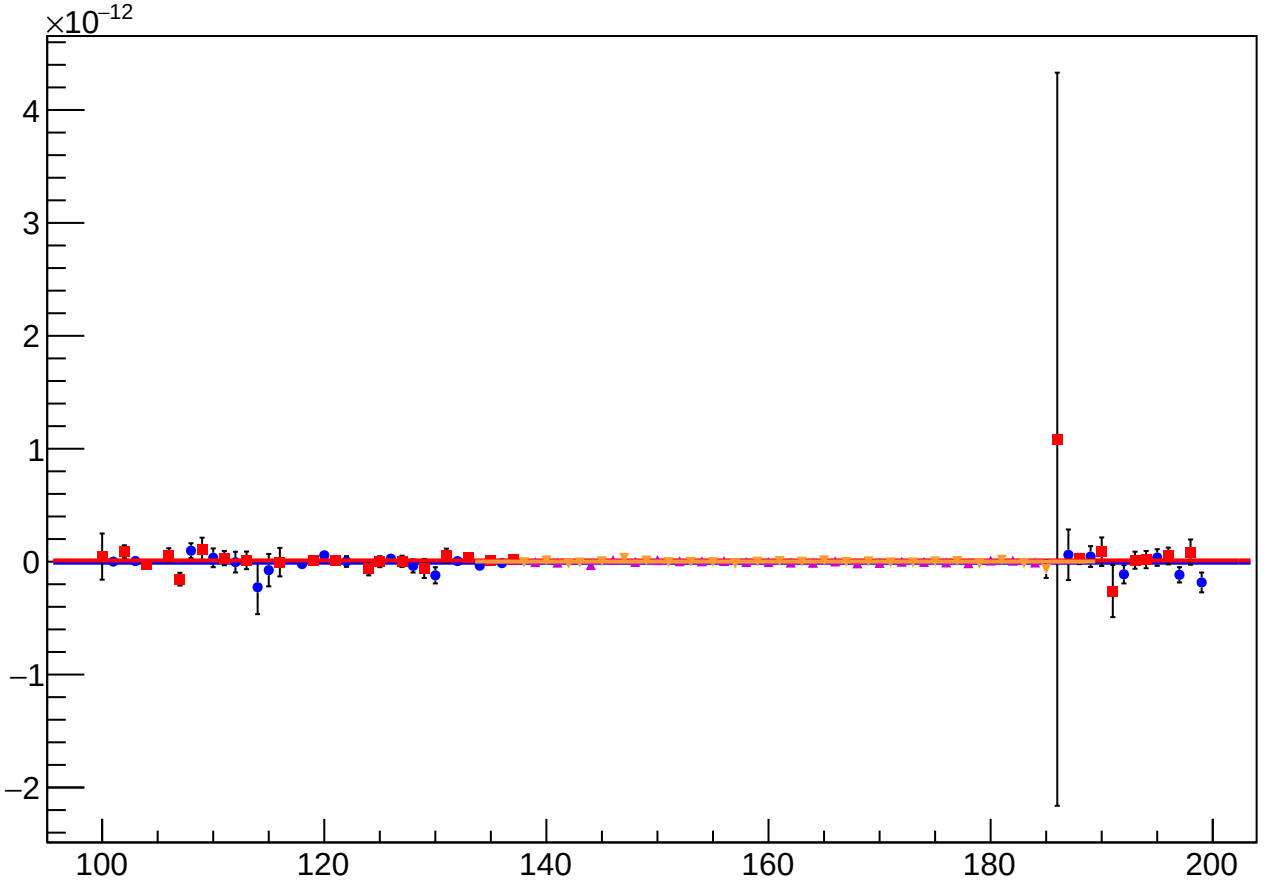
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 361.533+/-0.048 χ^2/NDF: 3664115.2/46

All: 363.260+/-0.034 χ^2/NDF: 8669969.1/96

- 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: 23.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

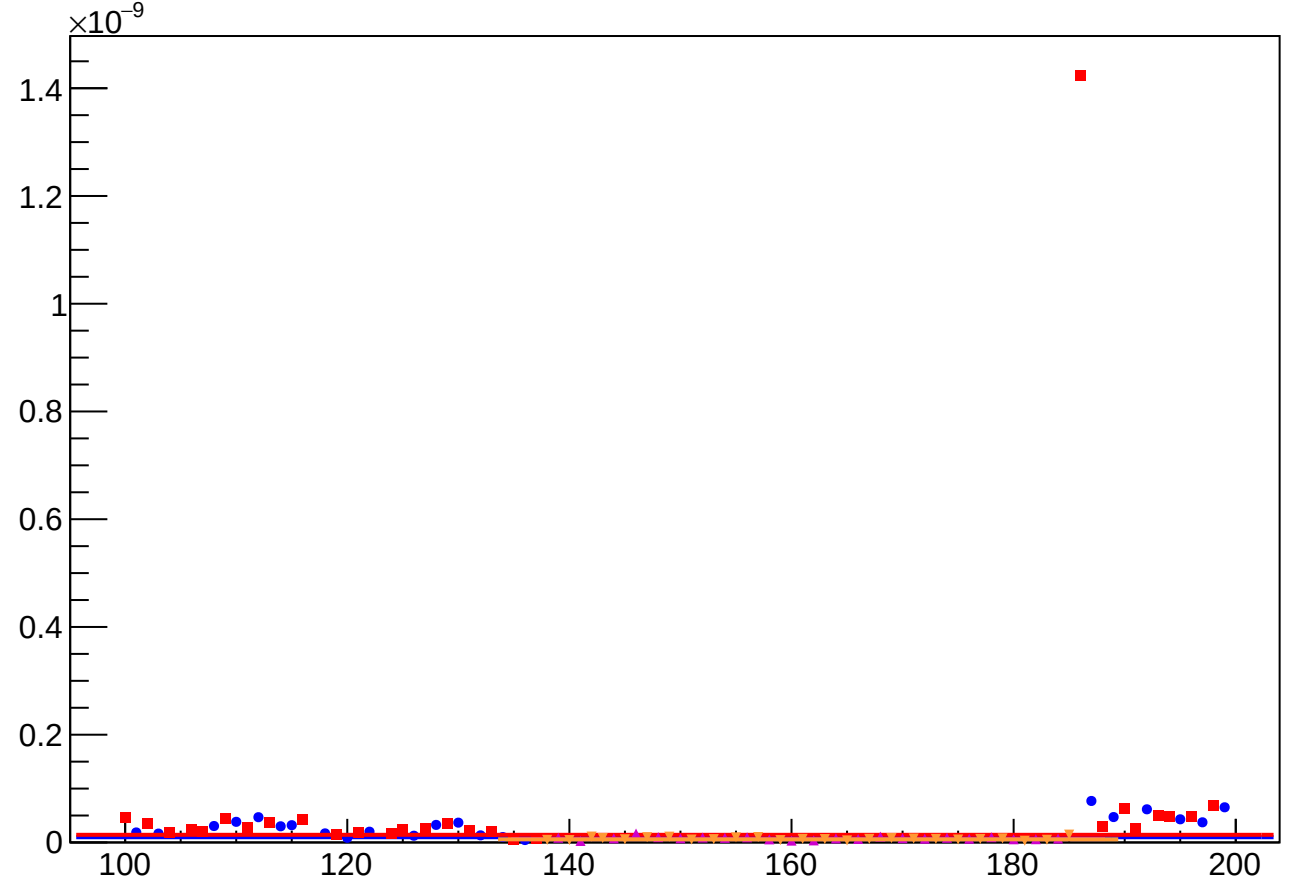
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/26

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.6/46

All: -0.000+/-0.000 χ^2/NDF: 77.0/96

- sign -0.000+/-0.000 χ^2/NDF: 34.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 5717852.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5557394.5/26

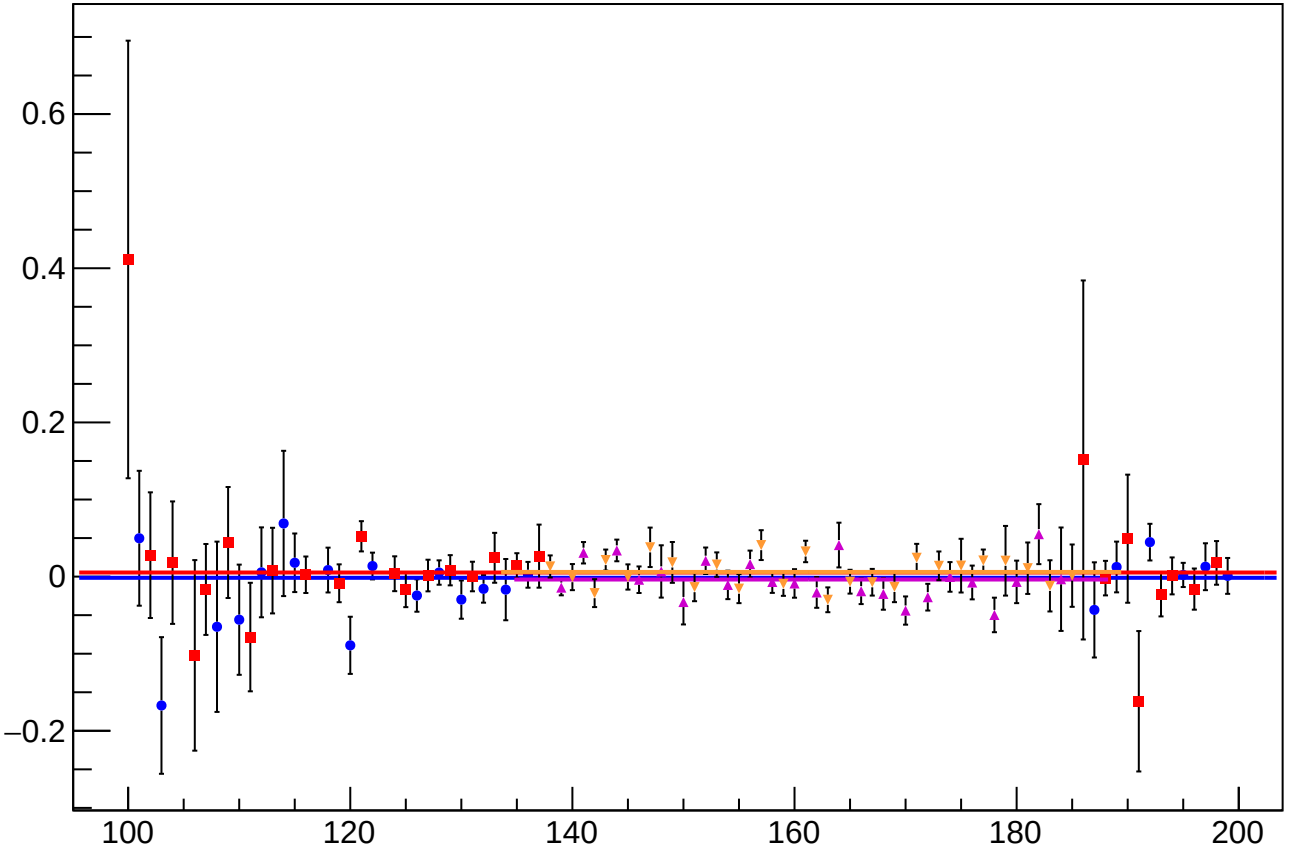
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7591658.6/46

All: 0.000+/-0.000 χ^2/NDF: 17058828.7/96

- 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: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 19.0/26

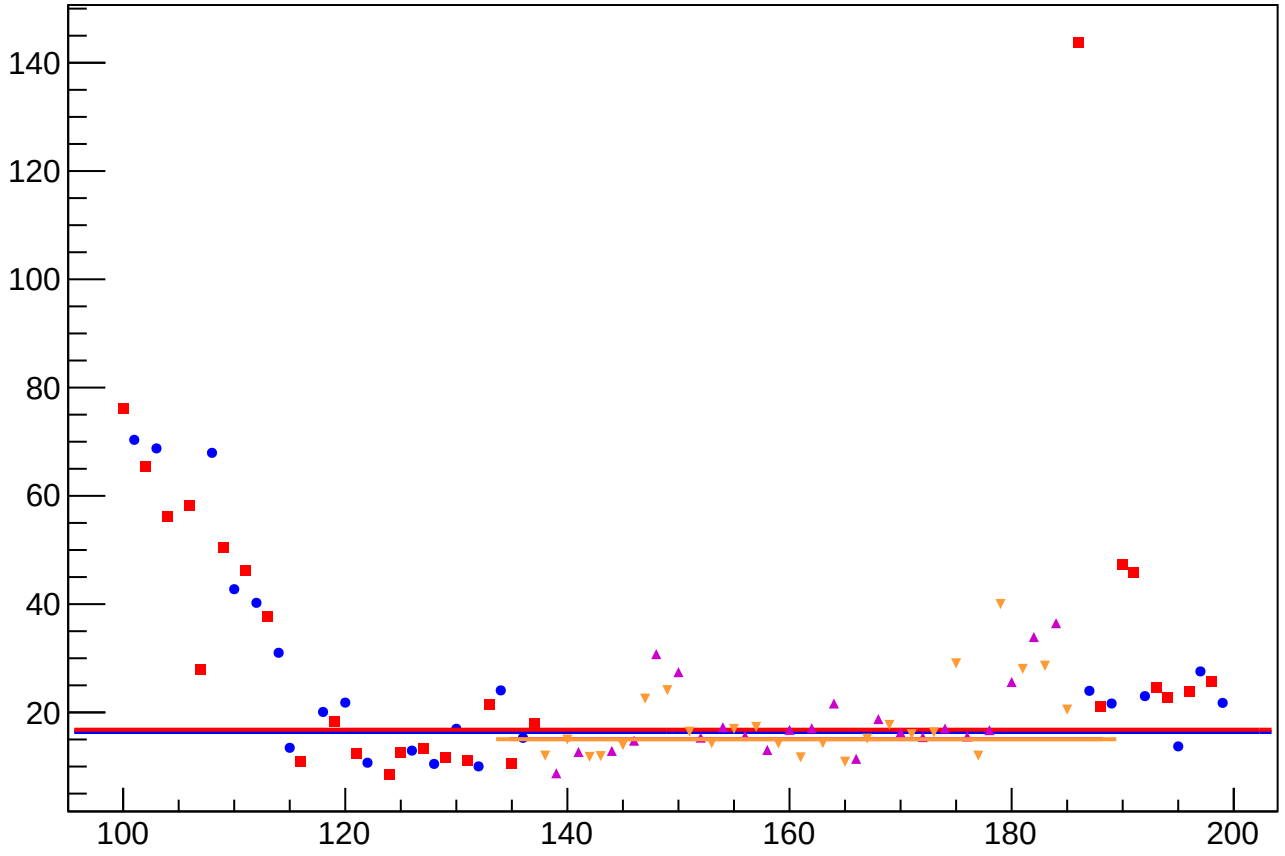
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/46

All: 0.002+/-0.002 χ^2/NDF: 107.3/96

- sign -0.001+/-0.003 χ^2/NDF: 57.9/49

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 16.378+/-0.004 χ^2/NDF: 4191376.9/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.804+/-0.004 χ^2/NDF: 5686752.8/26

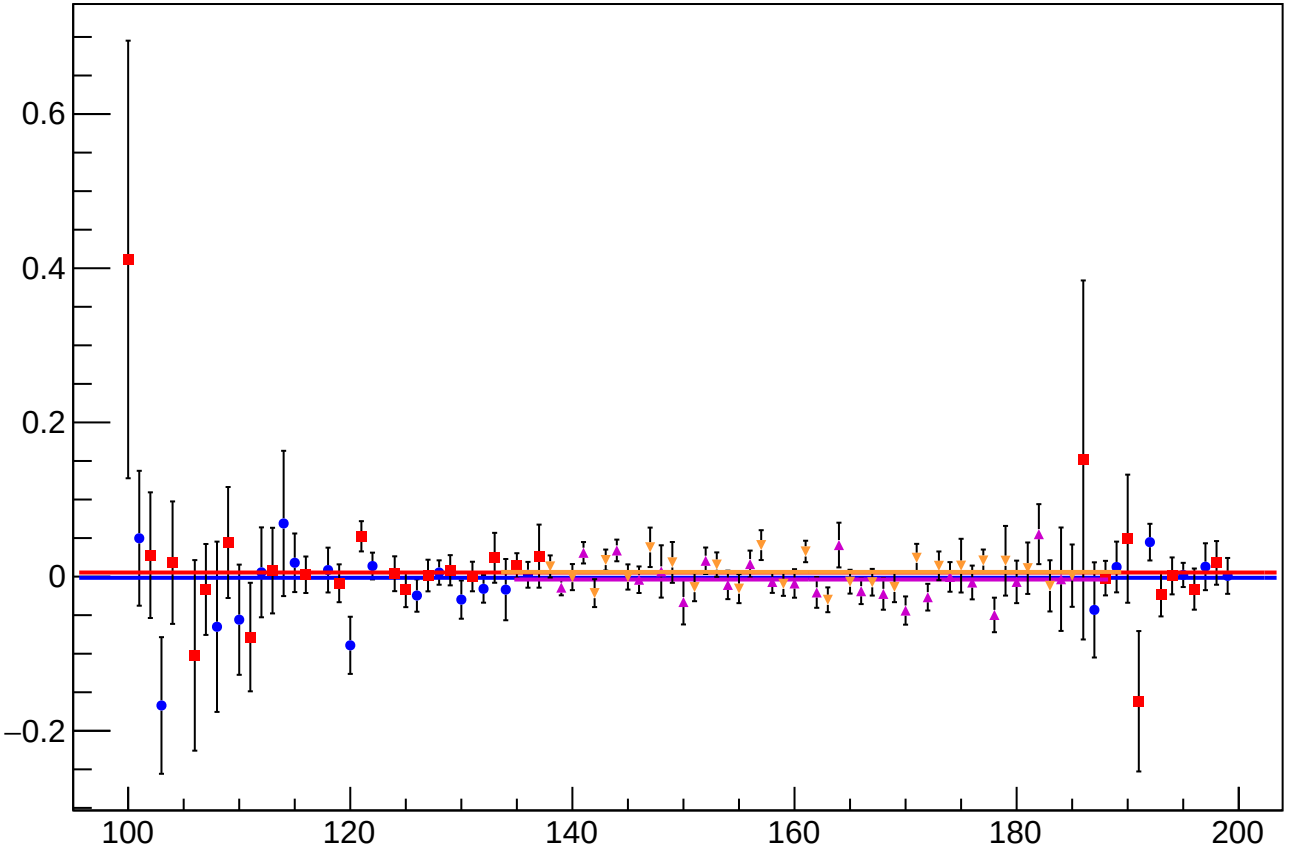
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.449+/-0.002 χ^2/NDF: 7028681.3/46

All: 15.536+/-0.002 χ^2/NDF: 15917849.3/96

\- 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: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 19.0/26

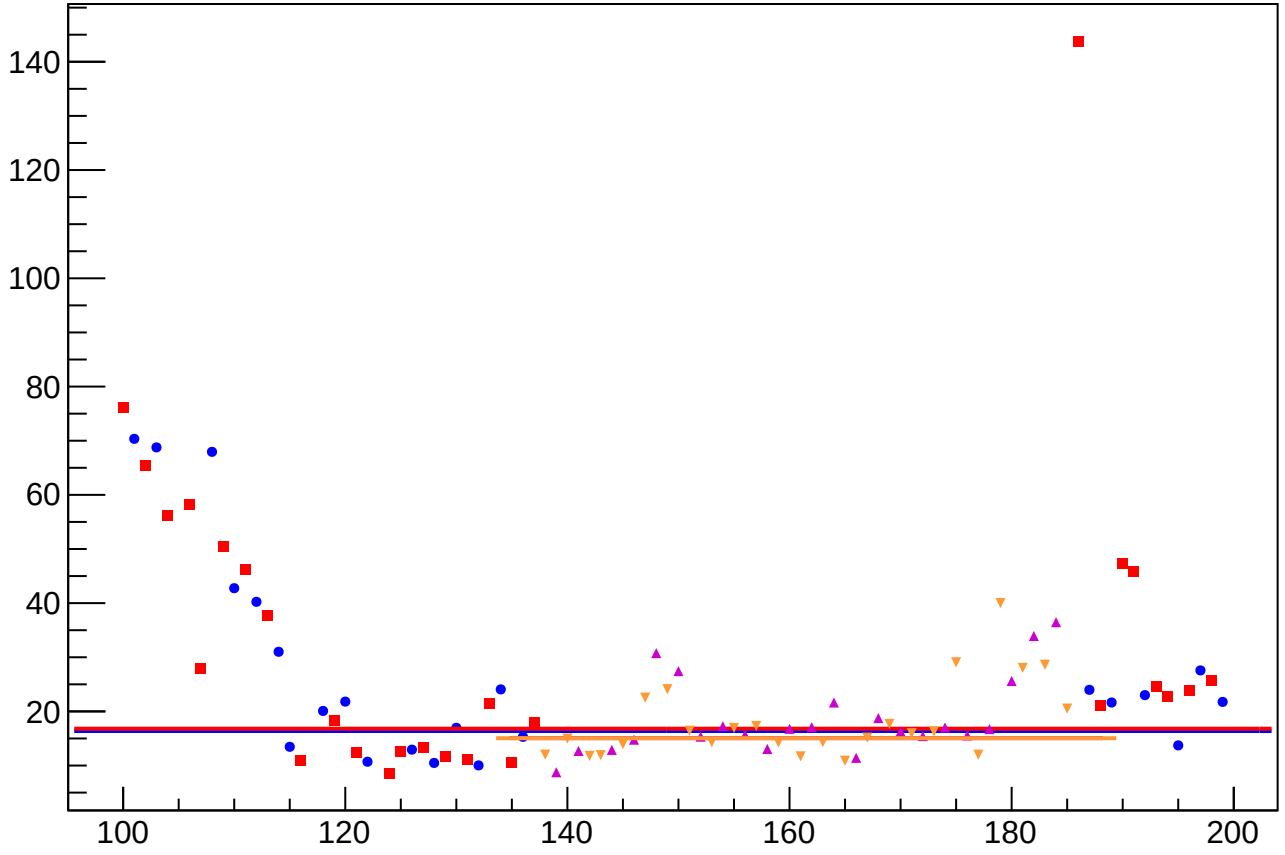
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/46

All: 0.002+/-0.002 χ^2/NDF: 107.3/96

- sign -0.001+/-0.003 χ^2/NDF: 57.9/49

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.378+/-0.004 χ^2/NDF: 4191376.9/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.804+/-0.004 χ^2/NDF: 5686752.8/26

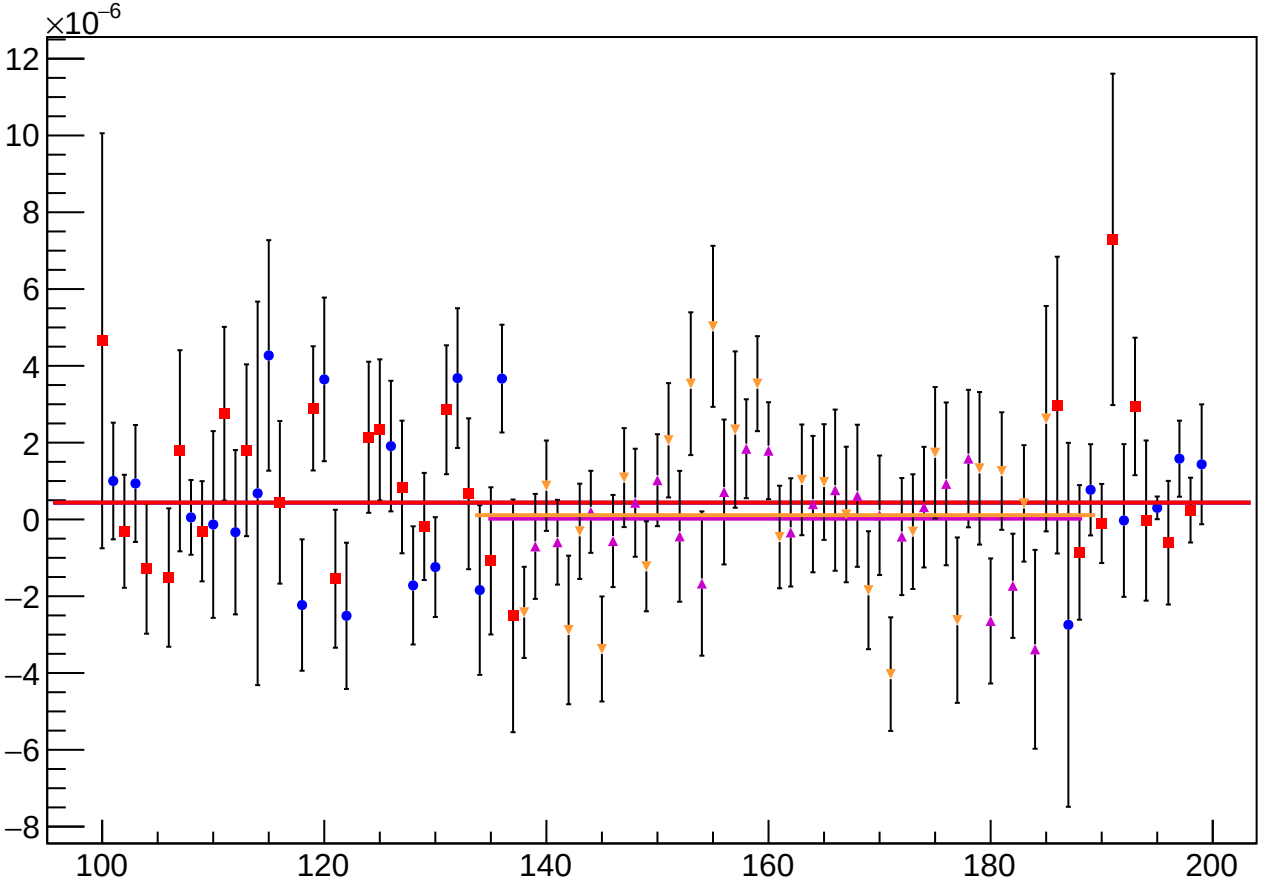
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.449+/-0.002 χ^2/NDF: 7028681.3/46

All: 15.536+/-0.002 χ^2/NDF: 15917849.3/96

- sign 15.628+/-0.002 χ^2/NDF: 8885856.9/49

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/26

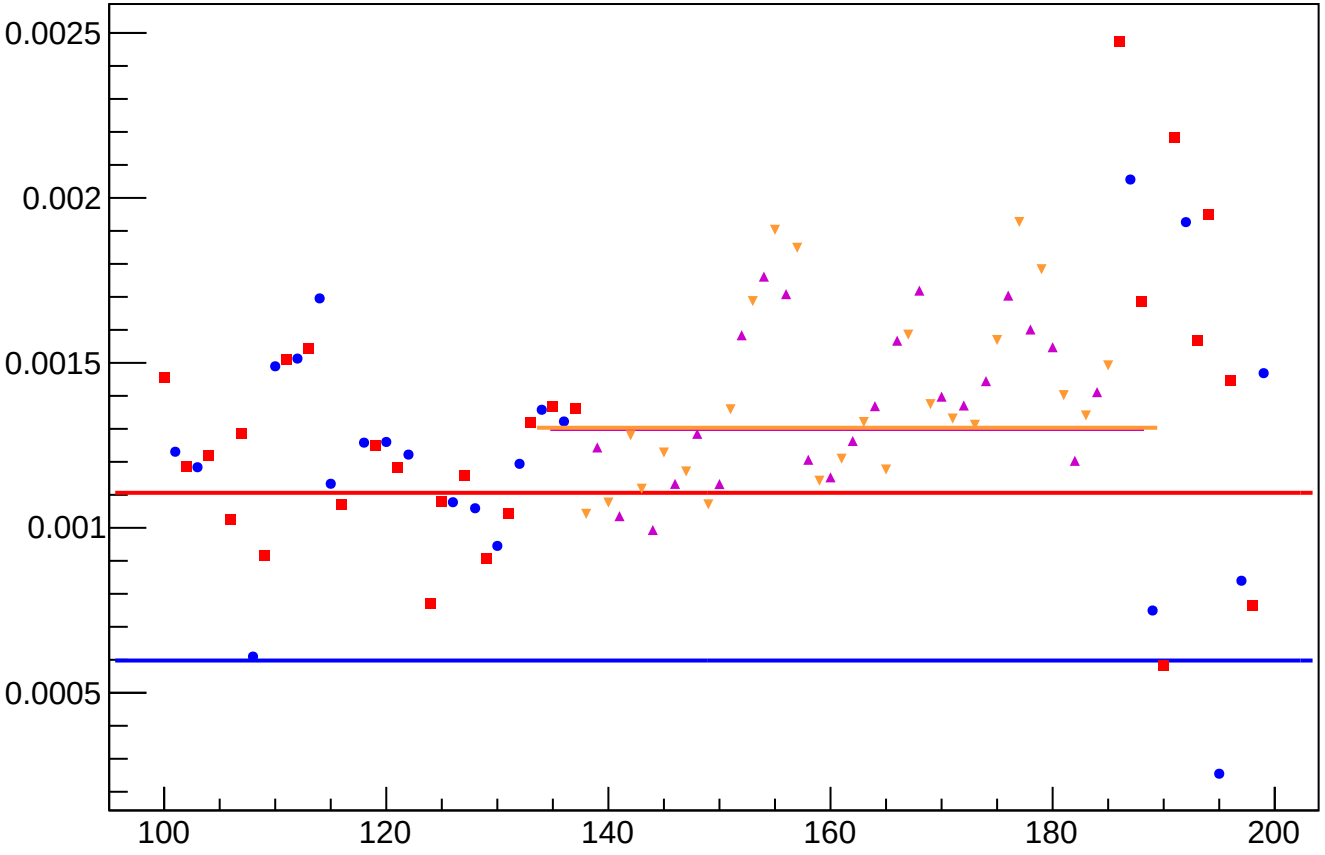
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.5/46

All: 0.000+/-0.000 χ^2/NDF: 112.2/96

- sign 0.000+/-0.000 χ^2/NDF: 35.6/49

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8157724.9/21

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2404078.9/26

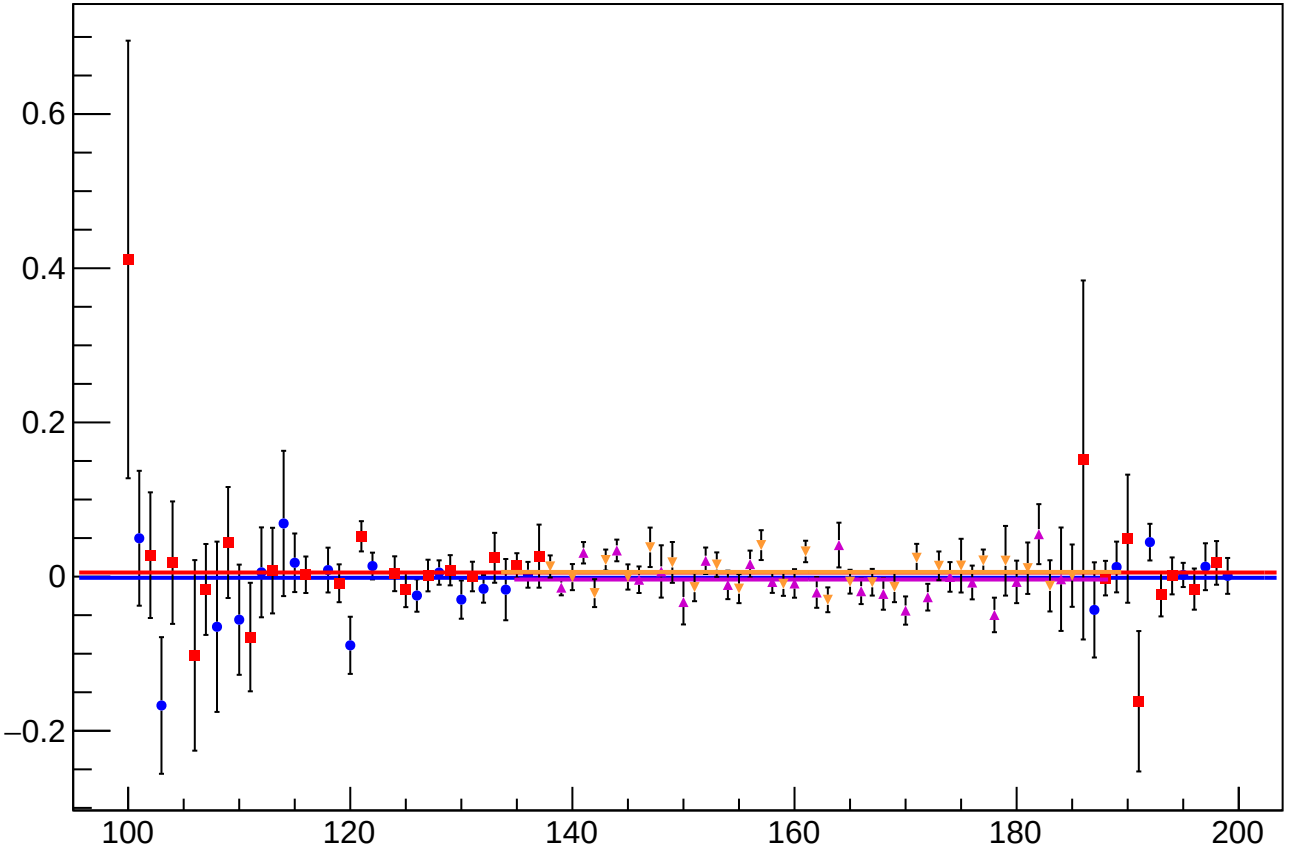
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 16344231.4/46

All: 0.001+/-0.000 χ^2/NDF: 23194578.5/96

- 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: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 19.0/26

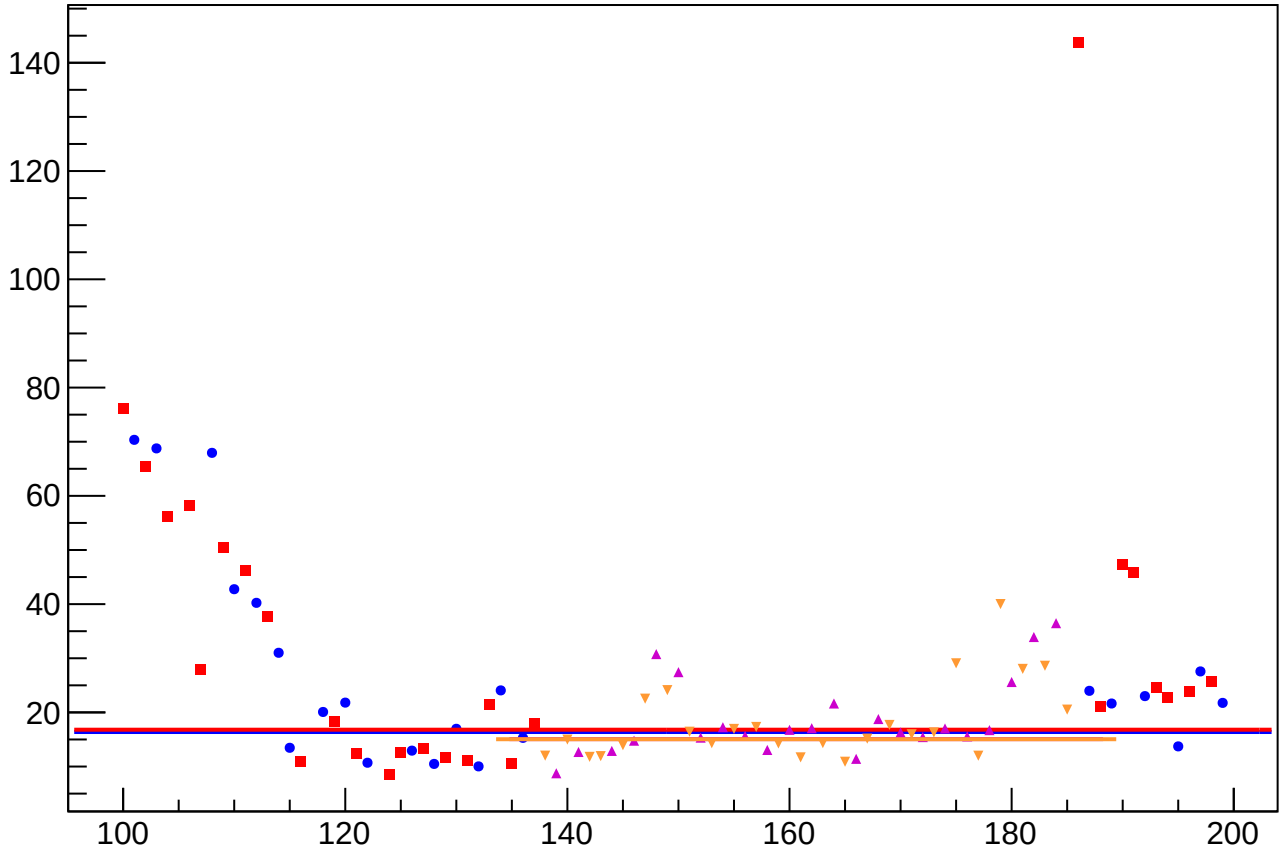
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/46

All: 0.002+/-0.002 χ^2/NDF: 107.3/96

- sign -0.001+/-0.003 χ^2/NDF: 57.9/49

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.378+/-0.004 χ^2/NDF: 4191360.6/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

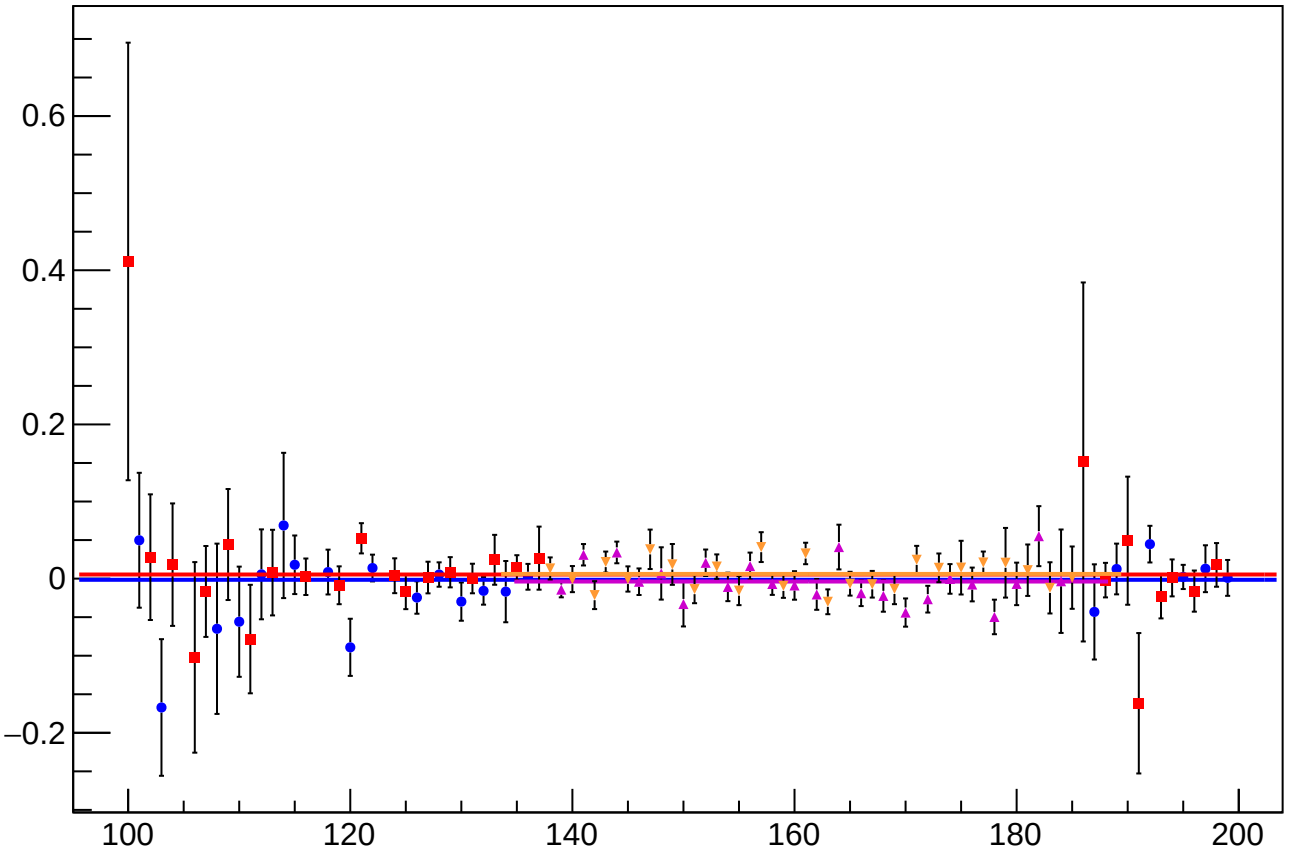
Right Out: 16.804+/-0.004 χ^2/NDF: 5686710.6/26

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

\+ sign 15.449+/-0.002 χ^2/NDF: 7028883.9/46

All: 15.536+/-0.002 χ^2/NDF: 15918063.6/96

\- sign 15.628+/-0.002 χ^2/NDF: 8885866.3/49



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

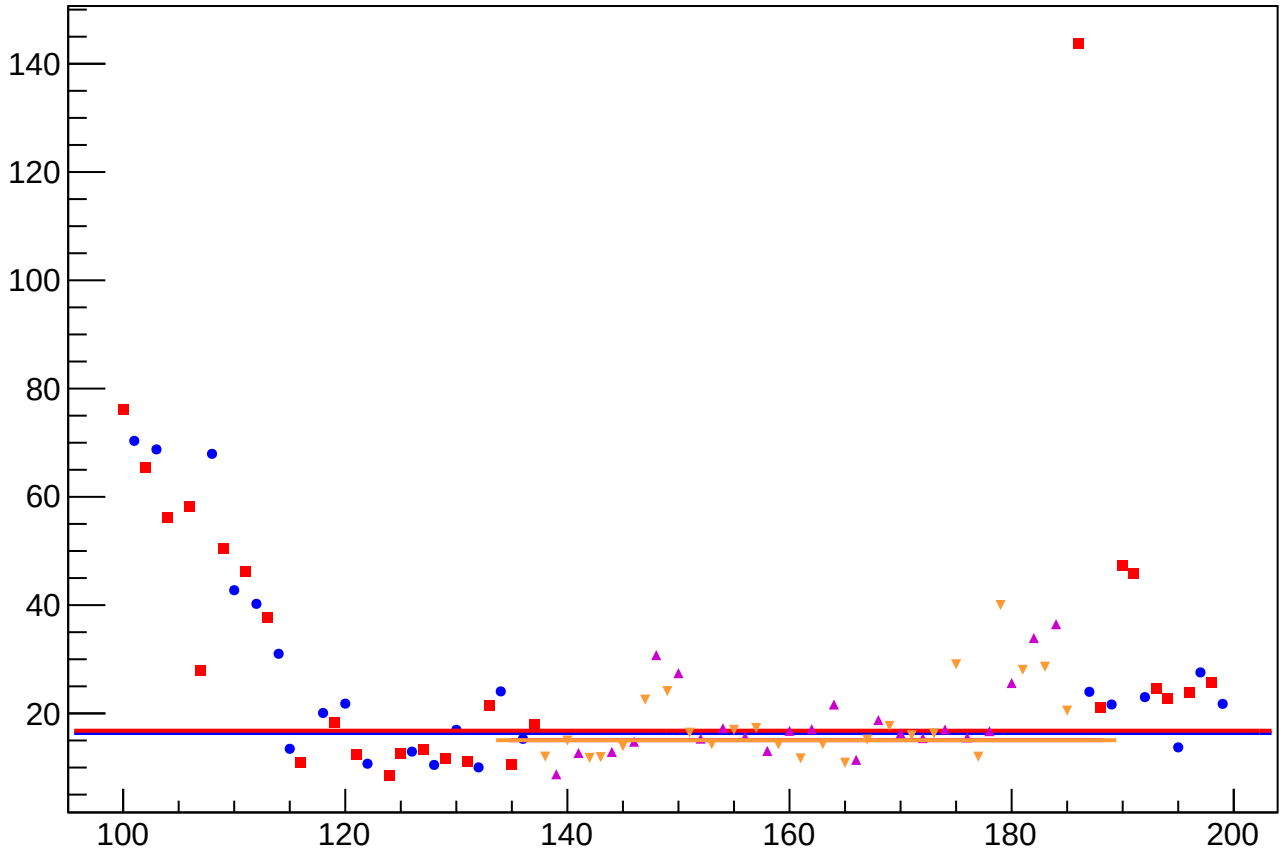
Right Out: 0.005+/-0.006 χ^2/NDF: 19.0/26

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/46

All: 0.002+/-0.002 χ^2/NDF: 107.3/96

- sign -0.001+/-0.003 χ^2/NDF: 57.9/49



Right In: 16.378+/-0.004 χ^2/NDF: 4191360.6/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

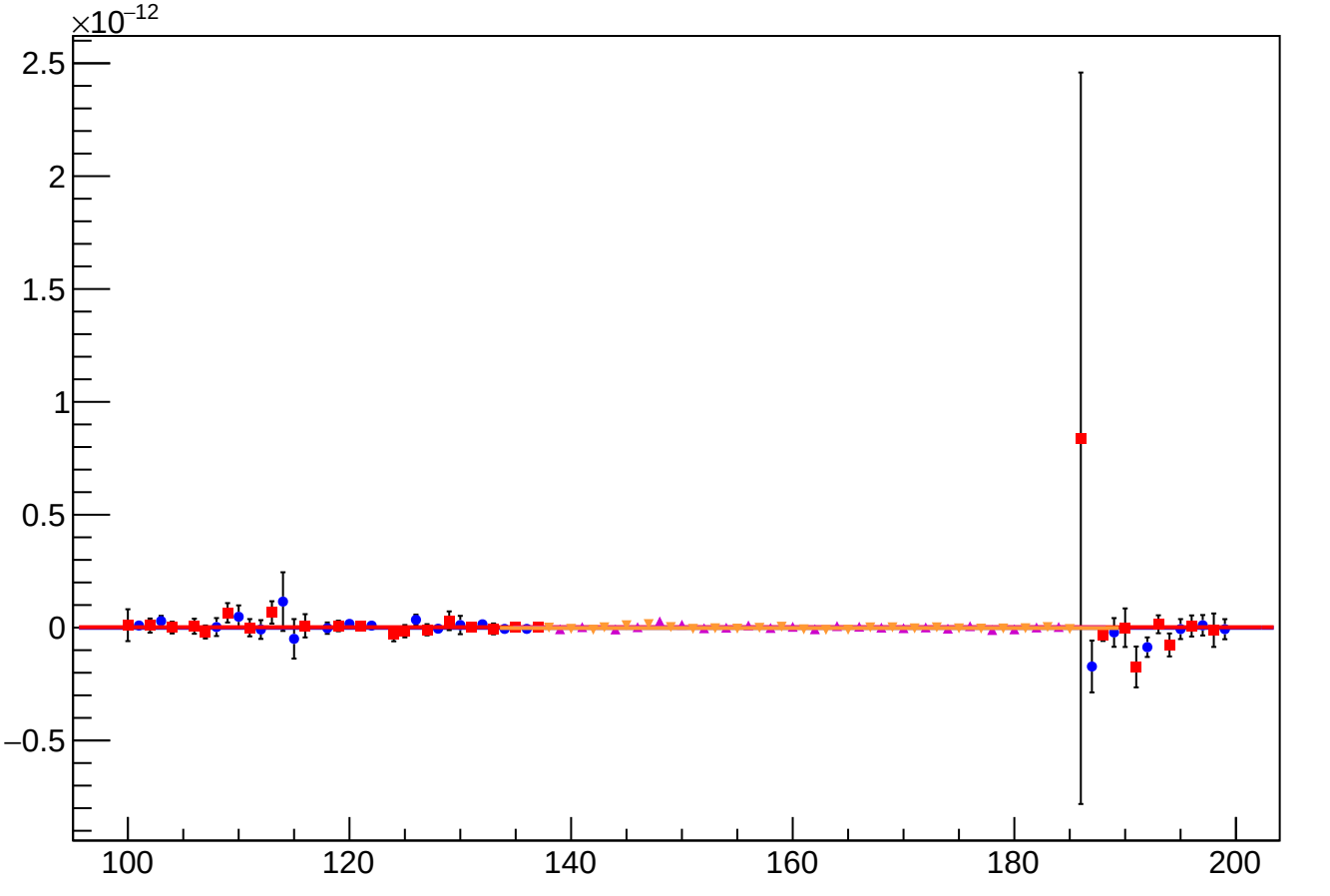
Right Out: 16.804+/-0.004 χ^2/NDF: 5686710.6/26

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.449+/-0.002 χ^2/NDF: 7028883.9/46

All: 15.536+/-0.002 χ^2/NDF: 15918063.6/96

- sign 15.628+/-0.002 χ^2/NDF: 8885866.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/26

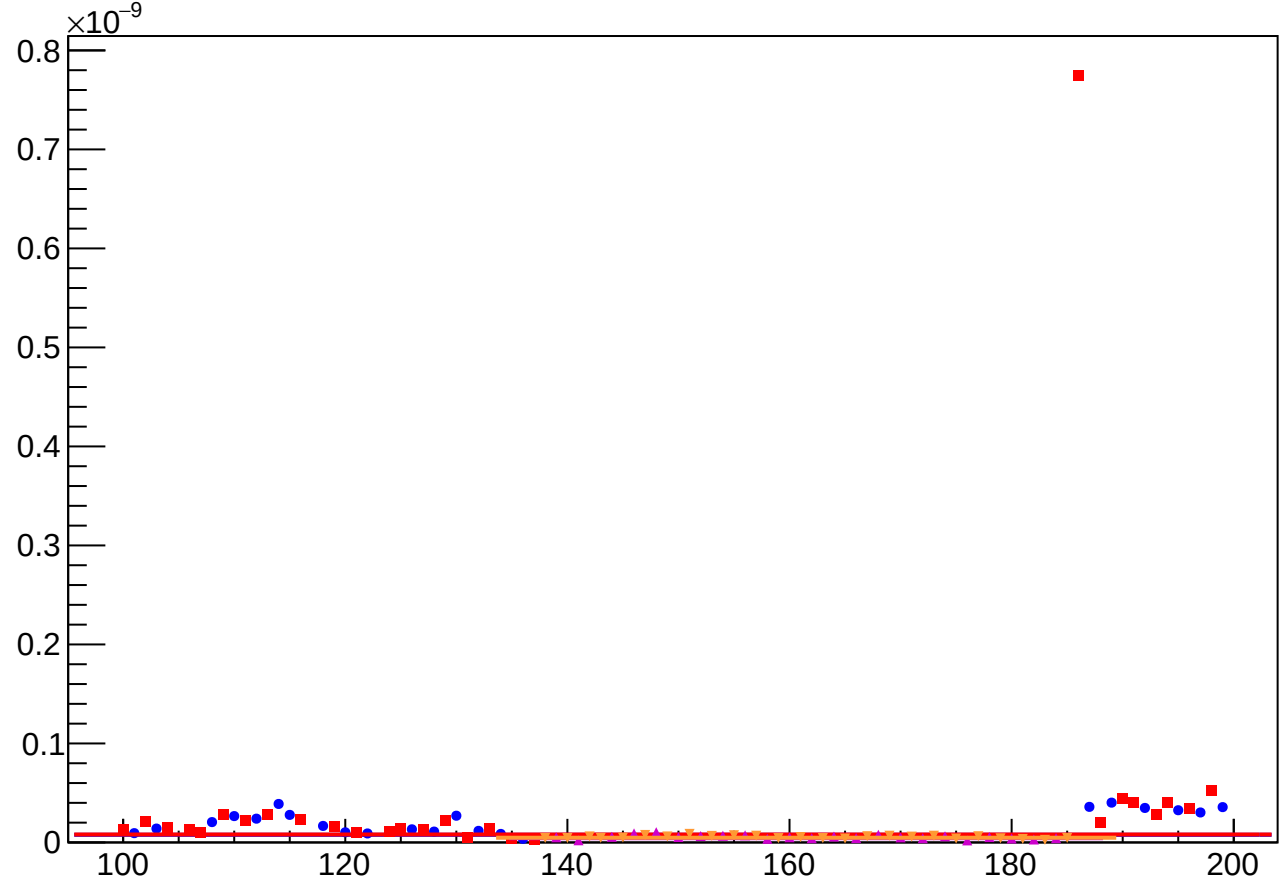
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

\+ sign -0.000+/-0.000 χ^2/NDF: 30.9/46

All: -0.000+/-0.000 χ^2/NDF: 69.9/96

\- 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: 6970285.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8603246.4/26

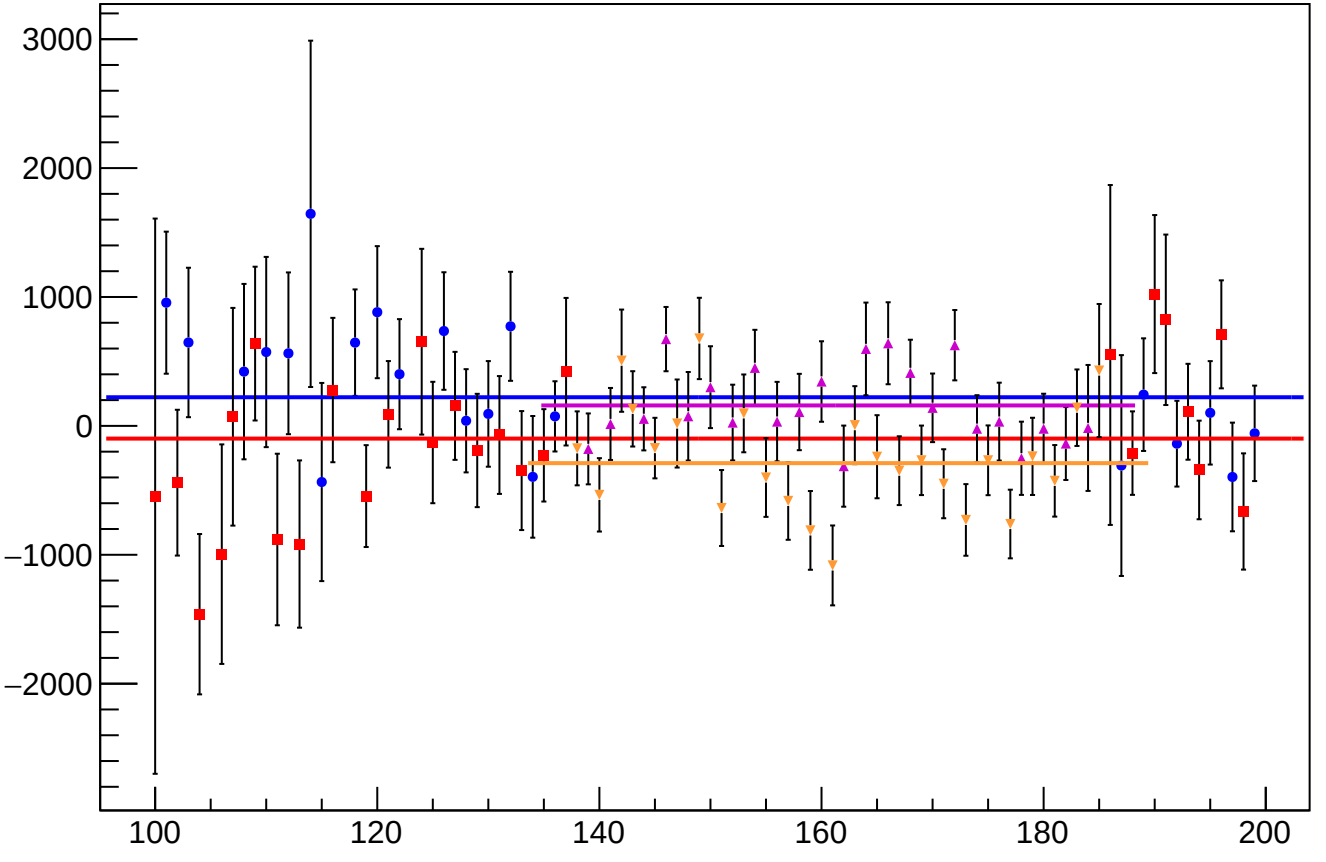
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10172838.2/46

All: 0.000+/-0.000 χ^2/NDF: 24127683.8/96

- sign 0.000+/-0.000 χ^2/NDF: 13834364.7/49

reg_asym_sam2_mean vs Slug



Right In: 222.176+/-97.342 χ^2/NDF: 17.3/21

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -98.599+/-95.797 χ^2/NDF: 27.2/26

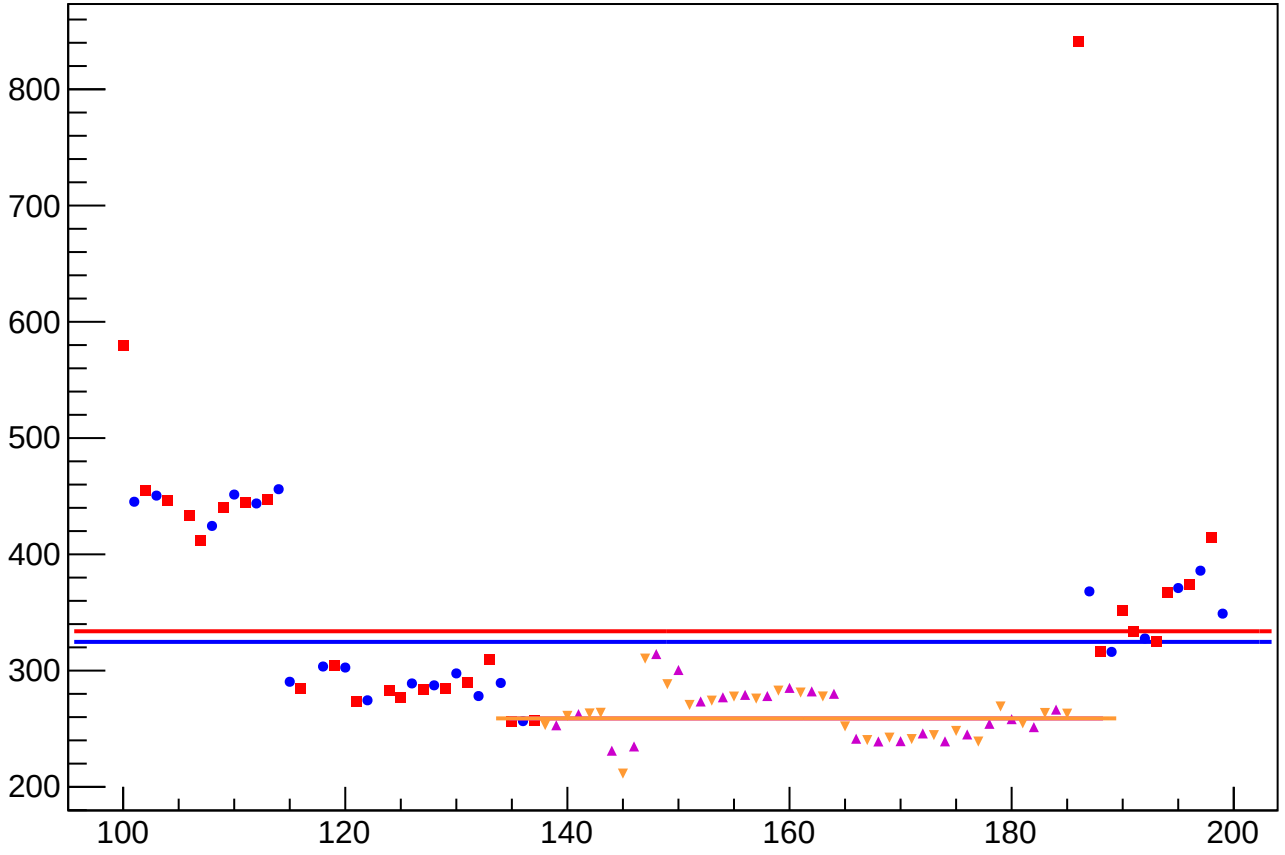
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -151.488+/-50.477 χ^2/NDF: 79.9/46

All: -35.151+/-35.973 χ^2/NDF: 145.5/96

- sign 84.907+/-51.278 χ^2/NDF: 54.9/49

reg_asym_sam2_rms vs Slug



Right In: 324.701+/-0.069 χ^2/NDF: 706225.3/21

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 333.840+/-0.068 χ^2/NDF: 1127349.2/26

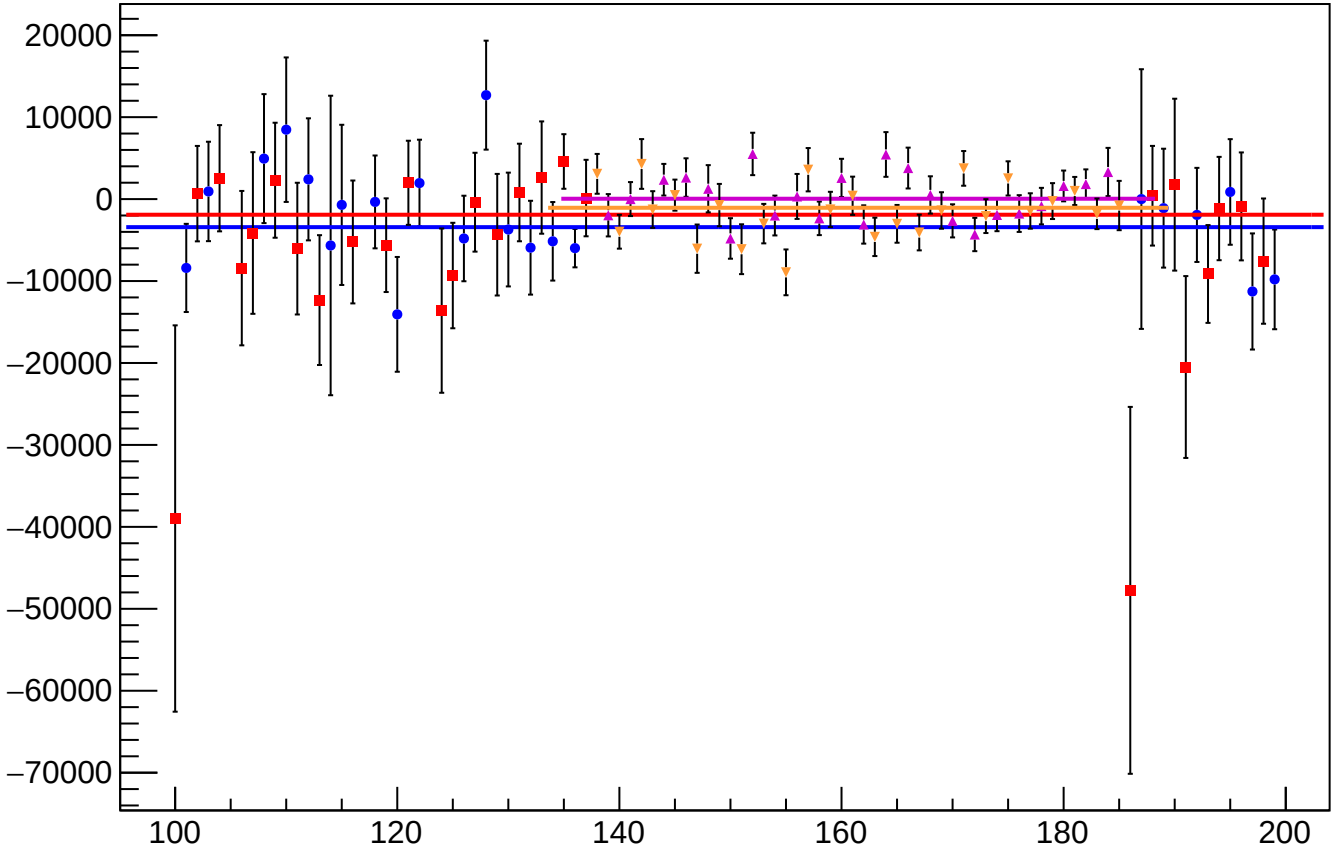
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.603+/-0.036 χ^2/NDF: 1622864.0/46

All: 278.438+/-0.025 χ^2/NDF: 3875115.3/96

- sign 280.332+/-0.036 χ^2/NDF: 2246880.2/49

asym_sam2_reg_correction_mean vs Slug



Right In: -3422.765+/-1221.746 χ^2/NDF: 19.1/21

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1907.312+/-1270.343 χ^2/NDF: 24.0/26

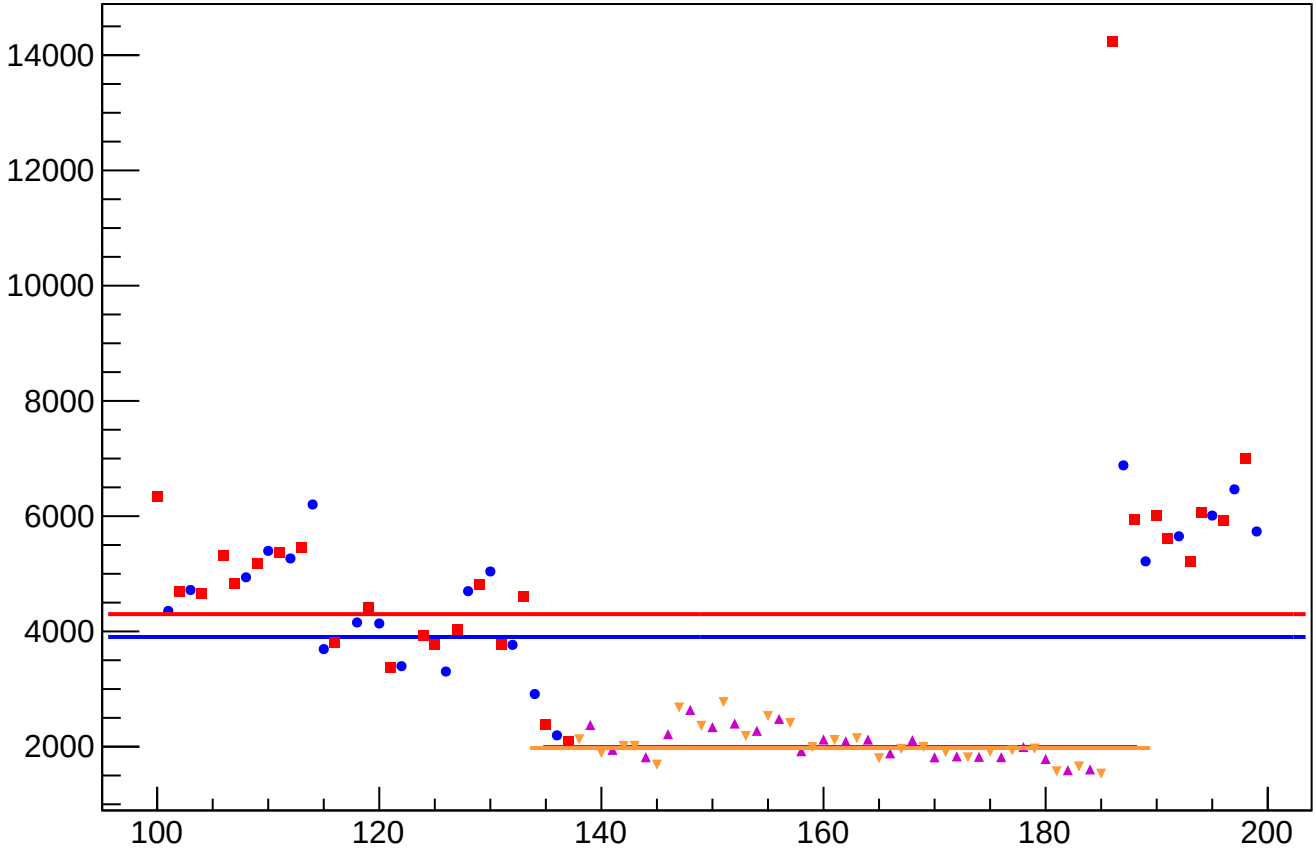
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1346.726+/-426.105 χ^2/NDF: 63.9/46

All: -789.323+/-306.558 χ^2/NDF: 127.7/96

- sign -191.251+/-441.376 χ^2/NDF: 60.3/49

asym_sam2_reg_correction_rms vs Slug



Right In: 3903.683+/-0.864 χ^2/NDF: 2500199.8/21

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4300.130+/-0.898 χ^2/NDF: 2600648.2/26

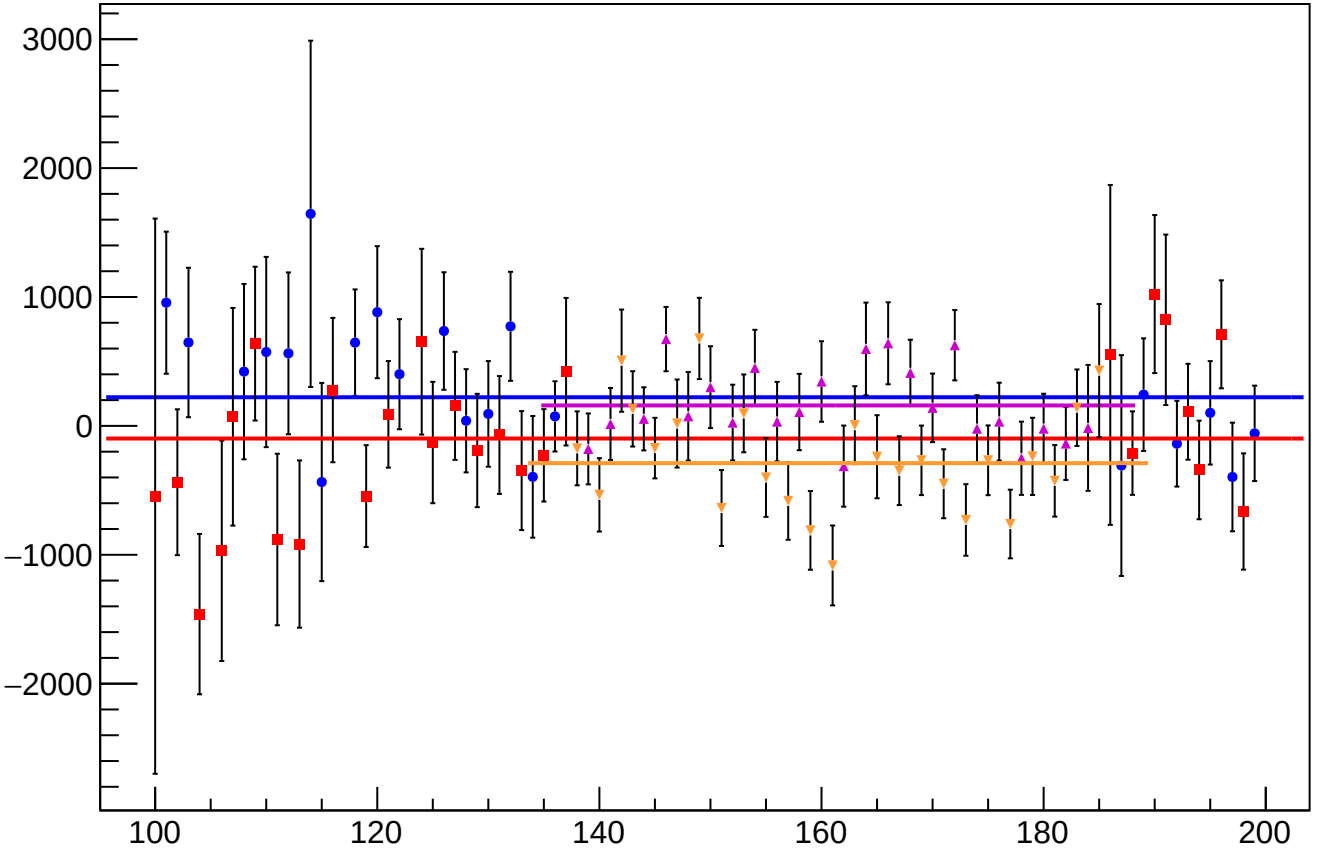
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2210.452+/-0.301 χ^2/NDF: 7637012.0/46

All: 2240.655+/-0.217 χ^2/NDF: 16650065.0/9

- sign 2273.061+/-0.312 χ^2/NDF: 8992223.1/49

cor_asym_sam2_mean vs Slug



Right In: 222.159+/-97.342 χ^2/NDF: 17.3/21

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -98.065+/-95.803 χ^2/NDF: 27.1/26

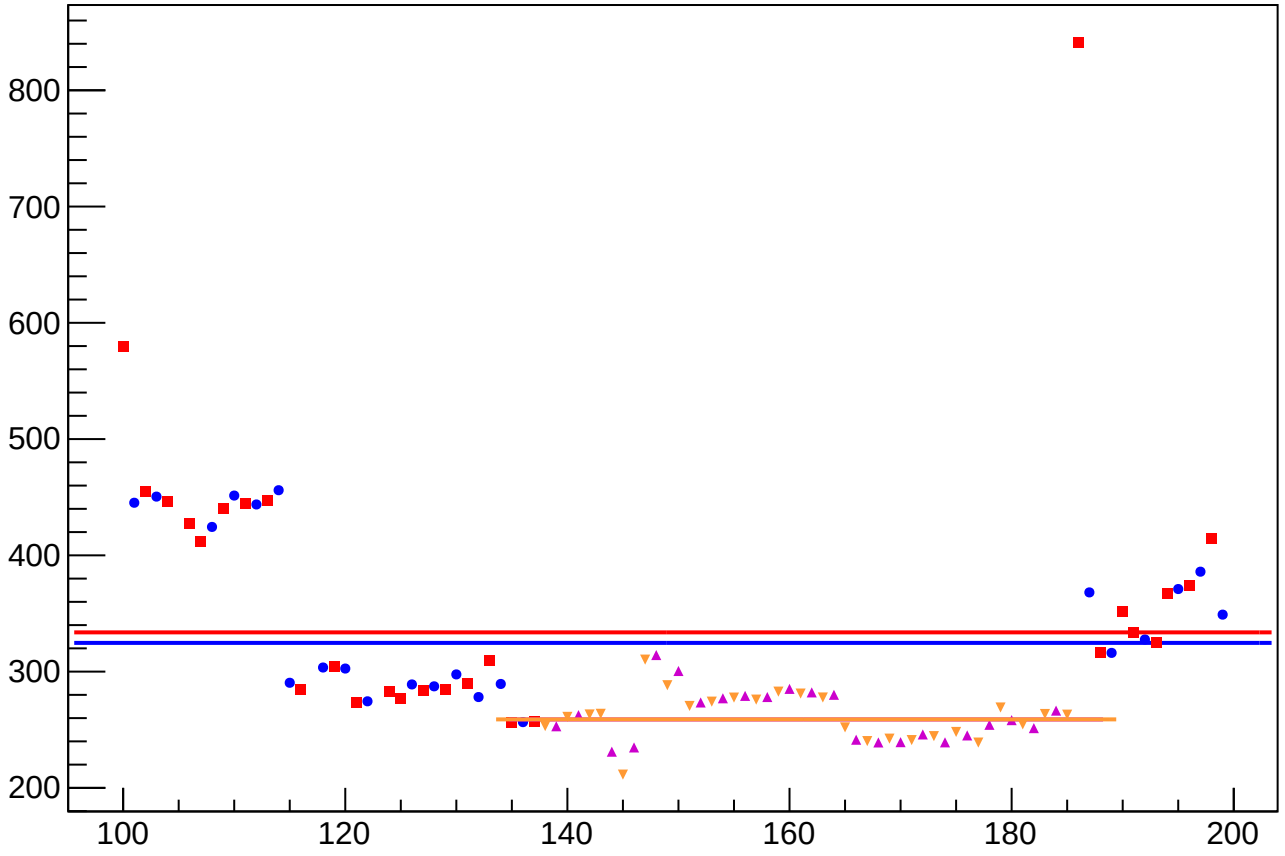
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -151.496+/-50.477 χ^2/NDF: 79.9/46

All: -35.074+/-35.973 χ^2/NDF: 145.5/96

- sign 85.074+/-51.279 χ^2/NDF: 54.8/49

cor_asym_sam2_rms vs Slug



Right In: 324.701+/-0.069 χ^2/NDF: 706226.7/21

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 333.748+/-0.068 χ^2/NDF: 1123755.4/26

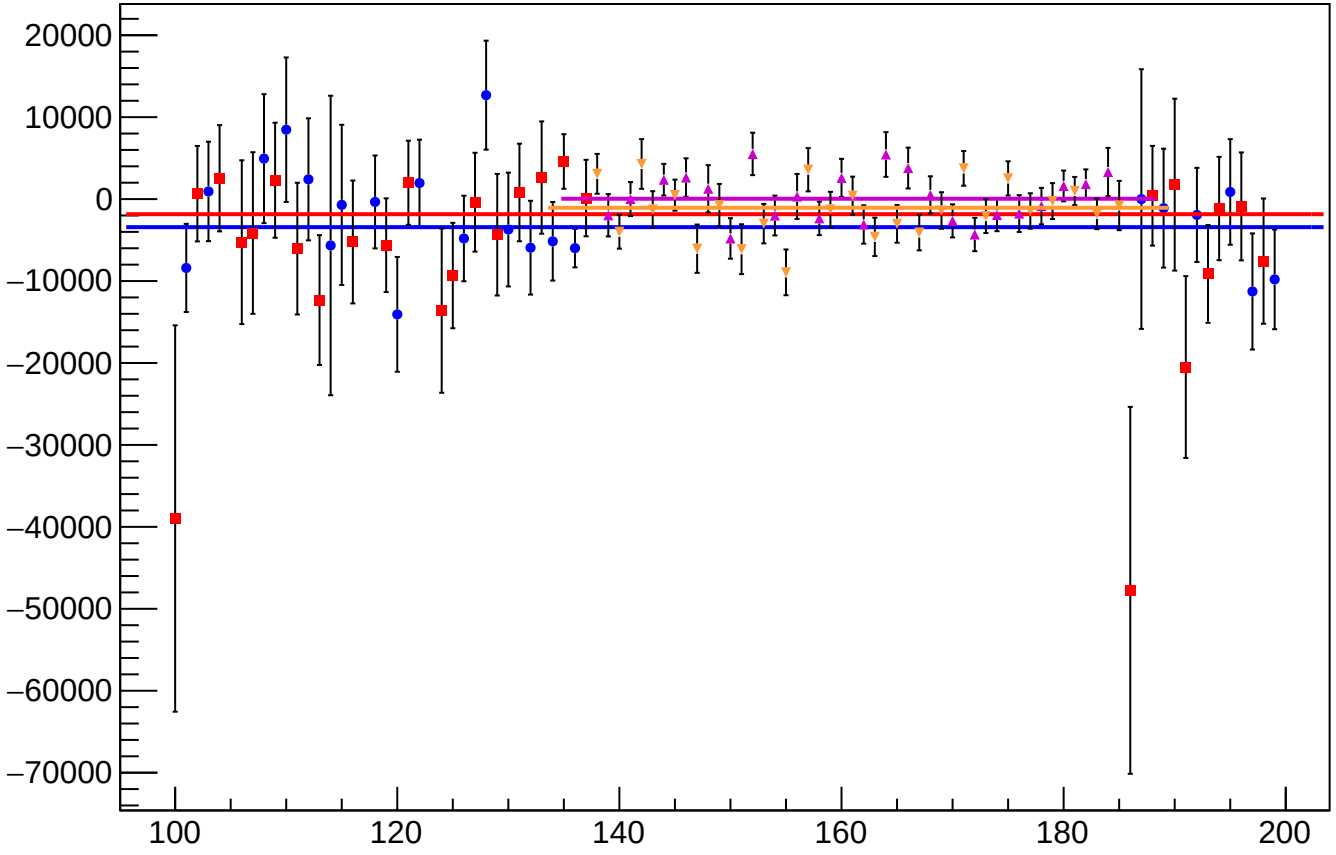
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.603+/-0.036 χ^2/NDF: 1622865.5/46

All: 278.424+/-0.025 χ^2/NDF: 3869213.5/96

- sign 280.303+/-0.036 χ^2/NDF: 2241058.2/49

asym_sam2_cor_correction_mean vs Slug



Right In: -3422.717+/-1221.748 χ^2/NDF: 19.1/21

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1843.259+/-1271.664 χ^2/NDF: 23.7/26

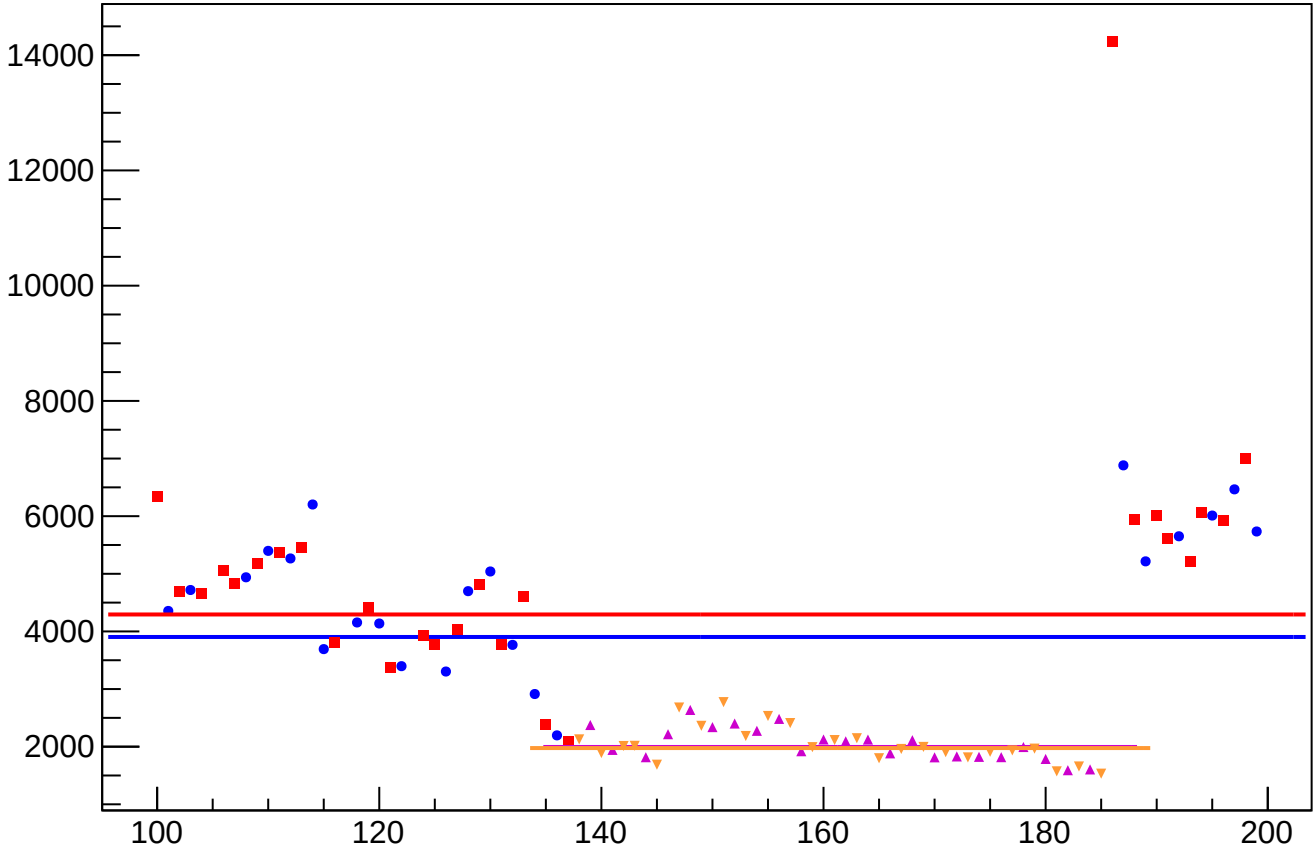
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1346.722+/-426.105 χ^2/NDF: 63.9/46

All: -785.464+/-306.577 χ^2/NDF: 127.3/96

- sign -183.106+/-441.431 χ^2/NDF: 59.8/49

asym_sam2_cor_correction_rms vs Slug



Right In: 3903.688+/-0.864 χ^2/NDF: 2500210.6/21

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4294.198+/-0.899 χ^2/NDF: 2589405.0/26

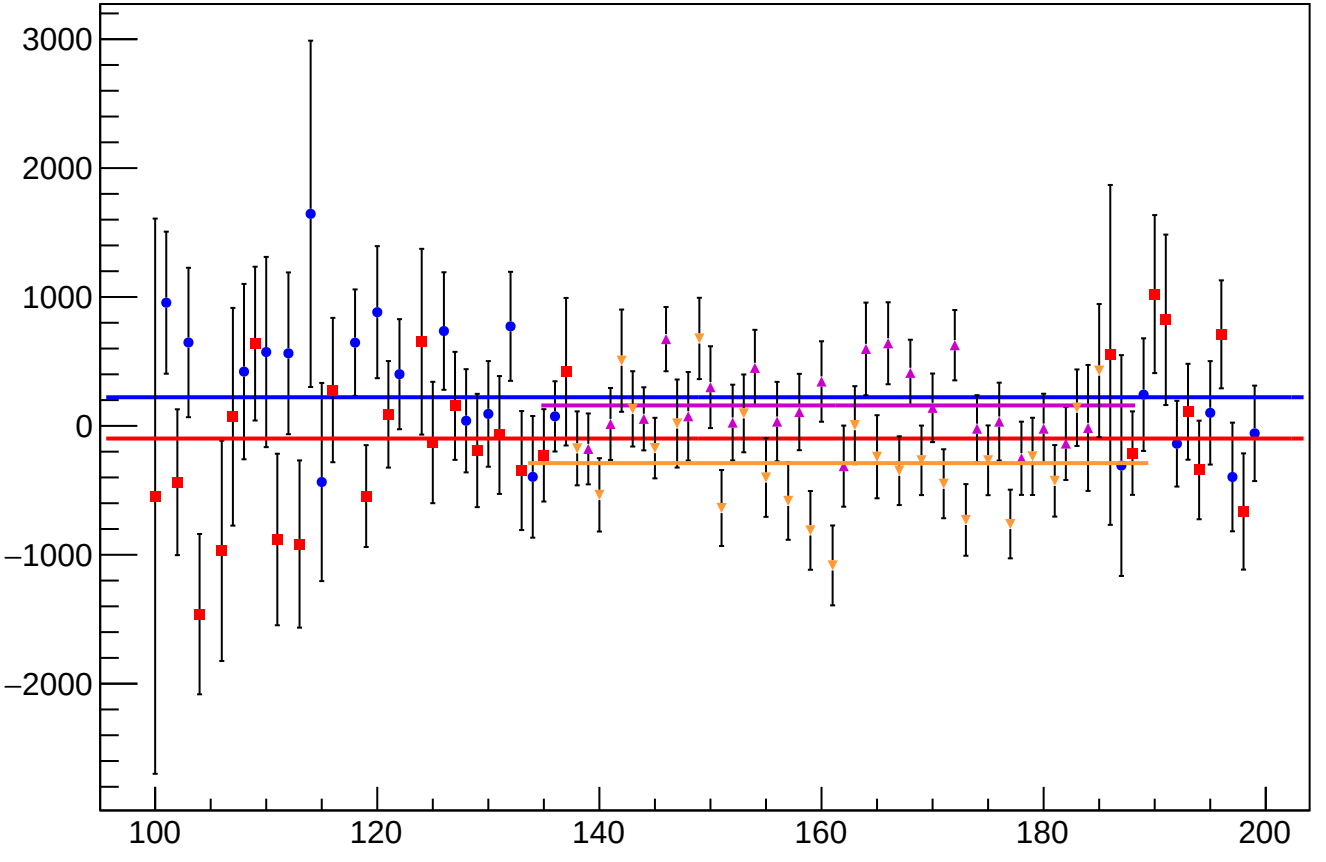
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2210.452+/-0.301 χ^2/NDF: 7637032.3/46

All: 2240.061+/-0.217 χ^2/NDF: 16597739.0/9

- sign 2271.838+/-0.312 χ^2/NDF: 8940685.0/49

eigen_cor_asym_sam2_mean vs Slug



Right In: 222.159+/-97.342 χ^2/NDF: 17.3/21

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -98.065+/-95.803 χ^2/NDF: 27.1/26

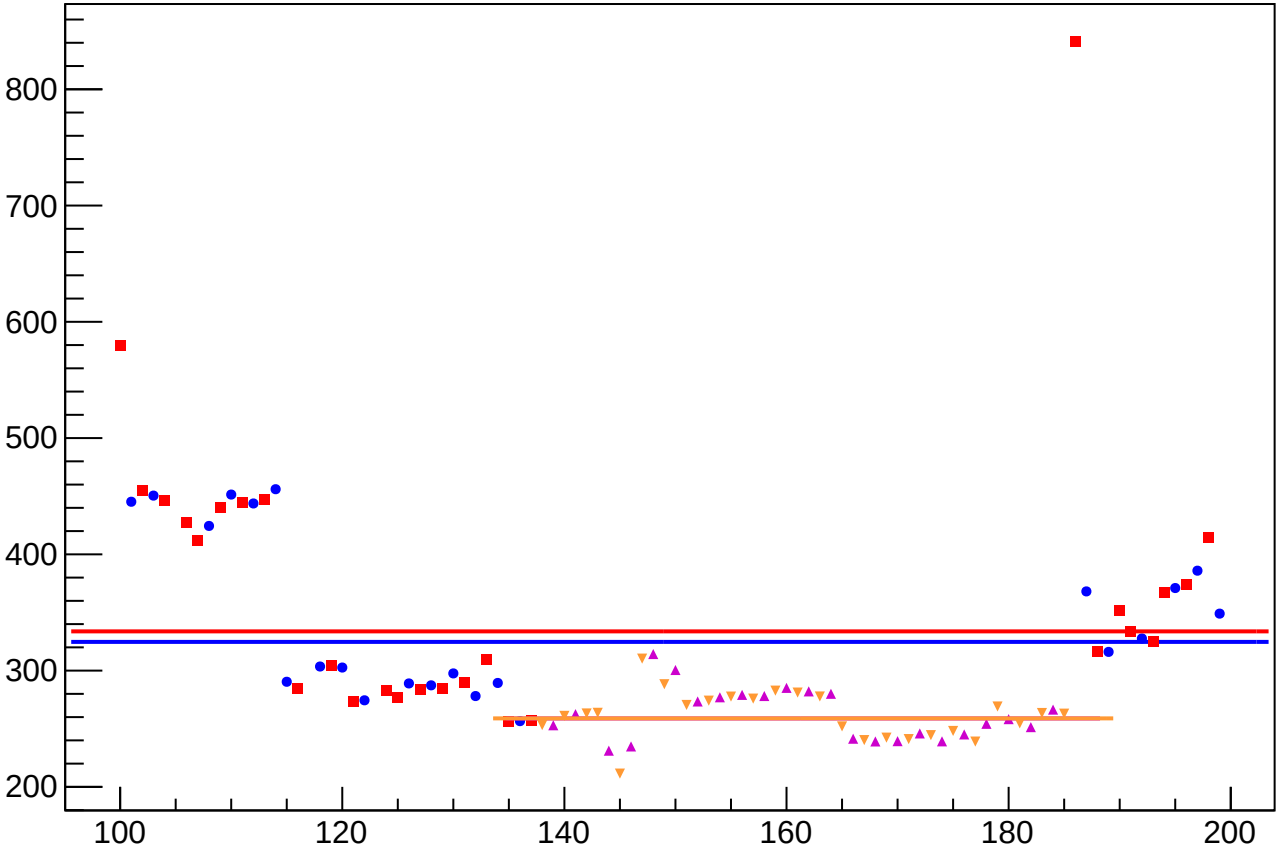
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -151.496+/-50.477 χ^2/NDF: 79.9/46

All: -35.074+/-35.973 χ^2/NDF: 145.5/96

- sign 85.074+/-51.279 χ^2/NDF: 54.8/49

eigen_cor_asym_sam2_rms vs Slug



Right In: 324.701+/-0.069 χ^2/NDF: 706226.7/21

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 333.748+/-0.068 χ^2/NDF: 1123755.4/26

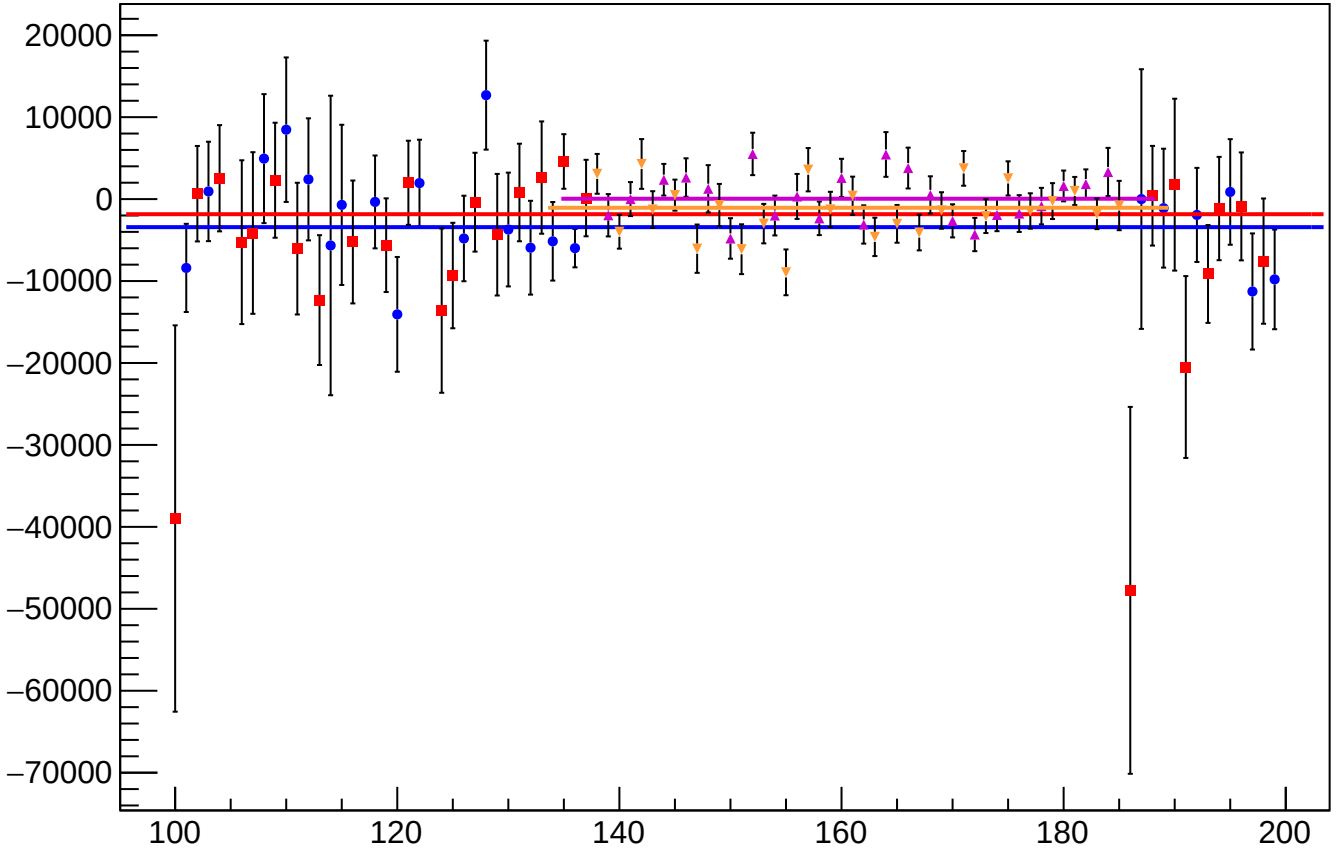
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.603+/-0.036 χ^2/NDF: 1622865.5/46

All: 278.424+/-0.025 χ^2/NDF: 3869213.5/96

- sign 280.303+/-0.036 χ^2/NDF: 2241058.2/49

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3422.717+/-1221.748 χ^2/NDF: 19.1/21

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1843.259+/-1271.664 χ^2/NDF: 23.7/26

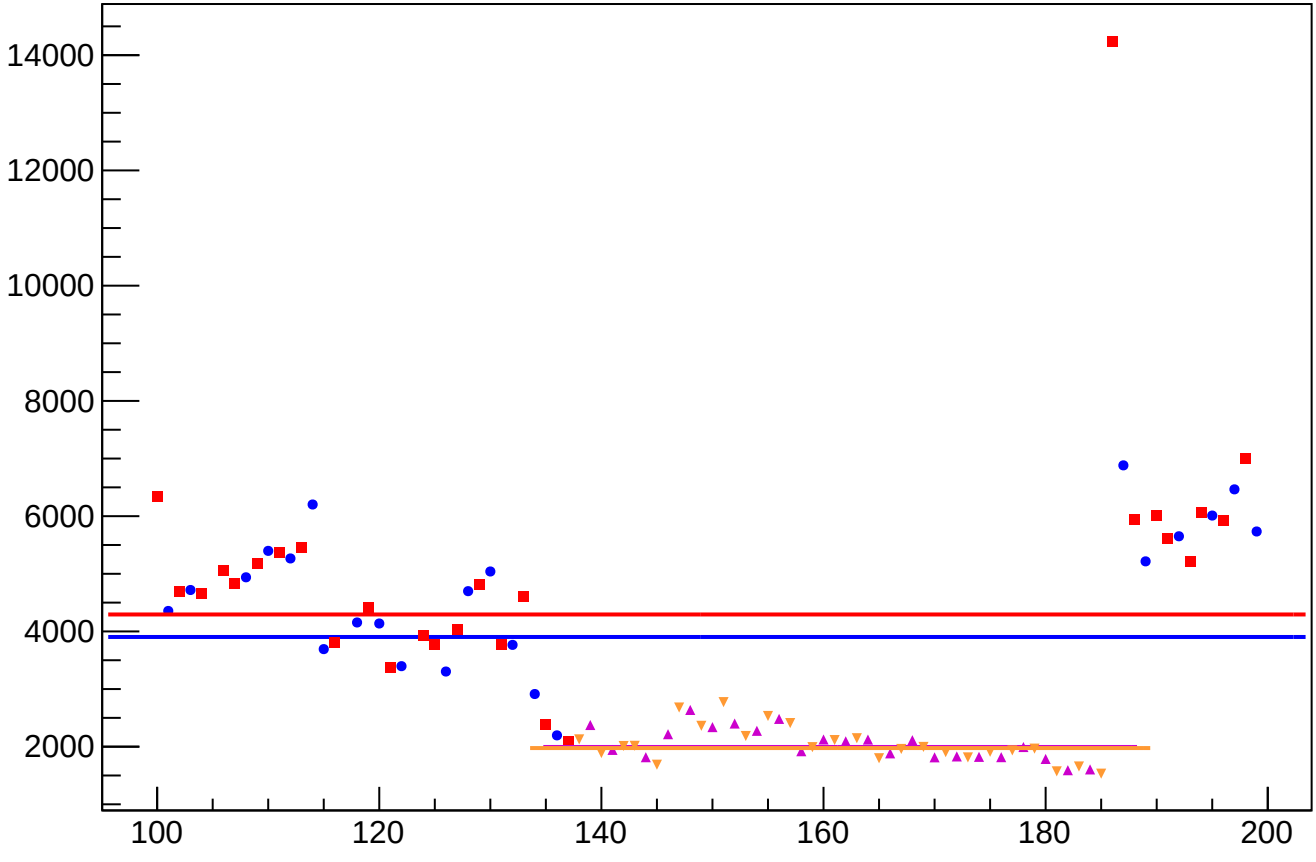
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1346.722+/-426.105 χ^2/NDF: 63.9/46

All: -785.464+/-306.577 χ^2/NDF: 127.3/96

- sign -183.106+/-441.431 χ^2/NDF: 59.8/49

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3903.688+/-0.864 χ^2/NDF: 2500210.6/21

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4294.198+/-0.899 χ^2/NDF: 2589405.0/26

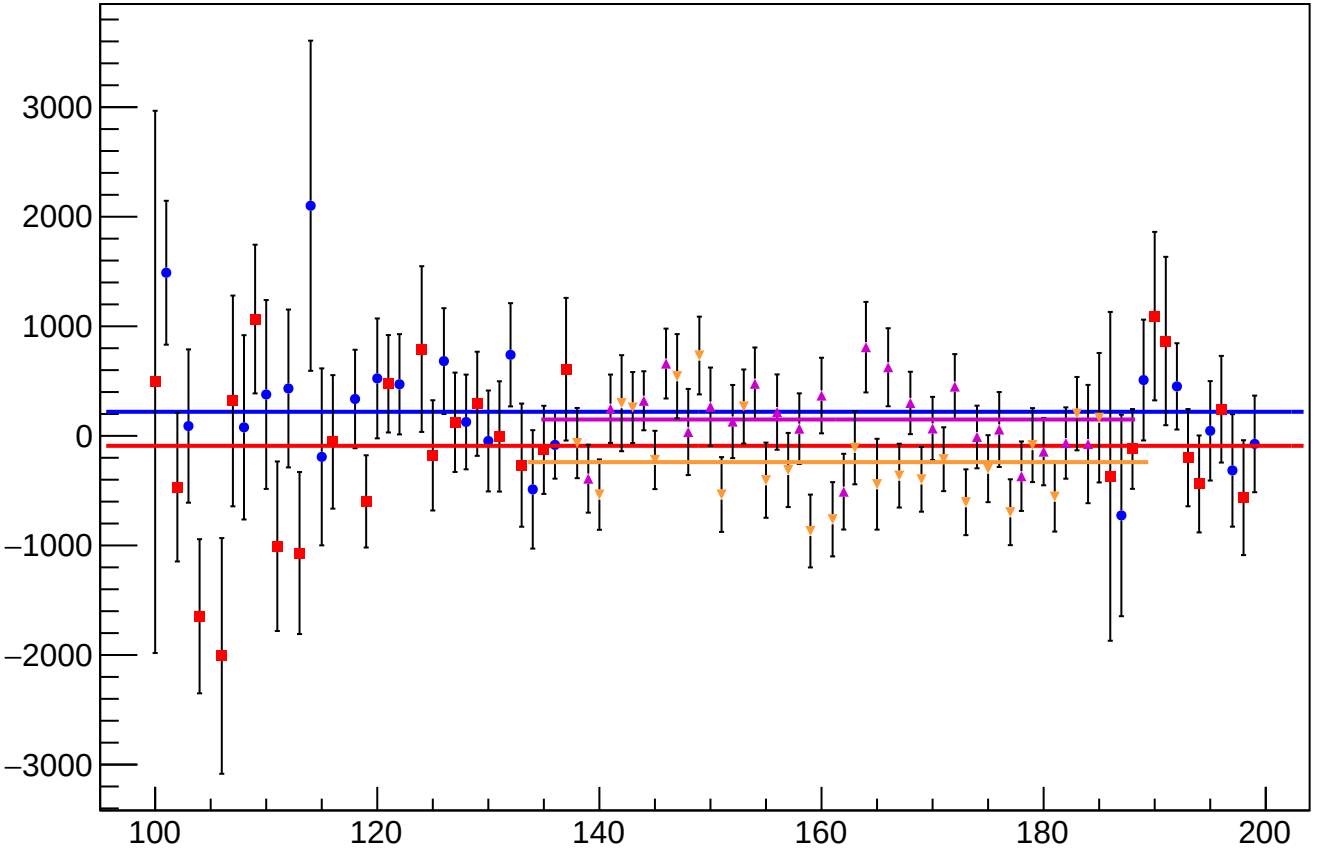
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2210.452+/-0.301 χ^2/NDF: 7637032.3/46

All: 2240.061+/-0.217 χ^2/NDF: 16597739.0/9

- sign 2271.838+/-0.312 χ^2/NDF: 8940685.0/49

dit_asym_sam2_mean vs Slug



Right In: 219.887+/-110.672 χ^2/NDF: 15.0/21

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -90.877+/-108.186 χ^2/NDF: 27.2/26

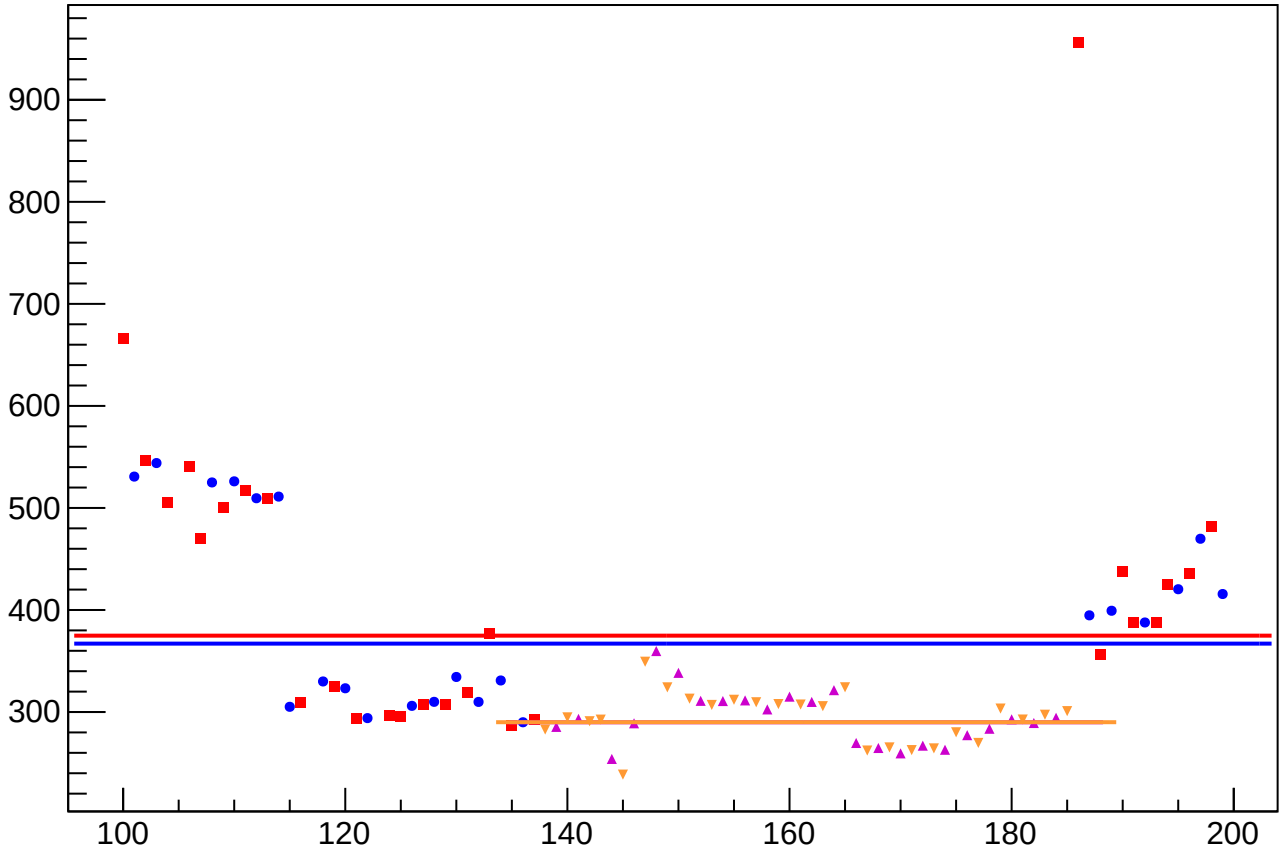
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -118.569+/-56.791 χ^2/NDF: 61.7/46

All: -20.211+/-40.464 χ^2/NDF: 120.3/96

- sign 81.210+/-57.669 χ^2/NDF: 52.5/49

dit_asym_sam2_rms vs Slug



Right In: 367.033+/-0.078 χ^2/NDF: 963264.2/21

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 374.841+/-0.076 χ^2/NDF: 1380611.4/26

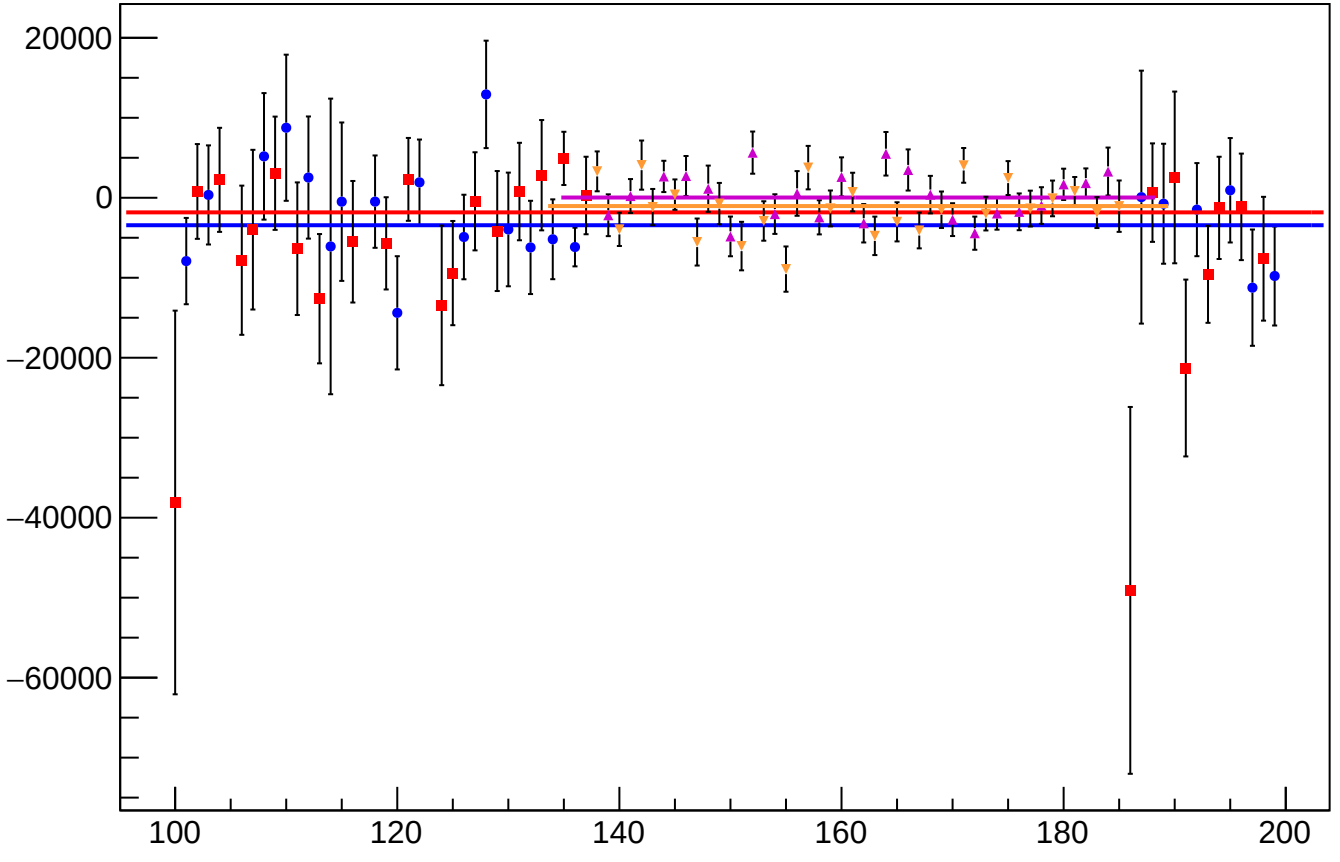
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 310.301+/-0.040 χ^2/NDF: 1957296.3/46

All: 312.154+/-0.029 χ^2/NDF: 4493629.2/96

- sign 314.065+/-0.041 χ^2/NDF: 2532007.7/49

asym_sam2_dit_correction_mean vs Slug



Right In: -3433.742+/-1248.322 χ^2/NDF: 19.0/21

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1826.339+/-1285.930 χ^2/NDF: 24.9/26

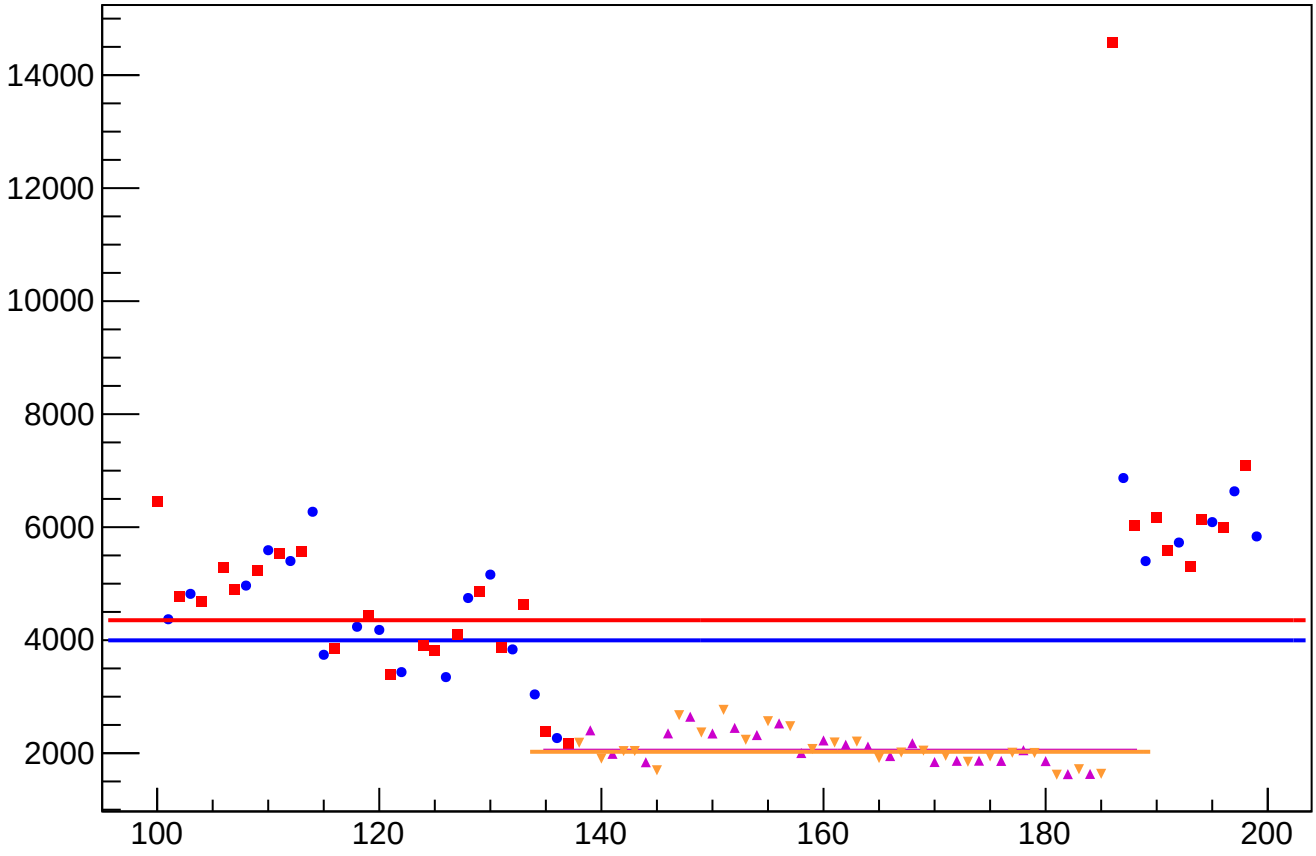
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1329.039+/-436.017 χ^2/NDF: 62.5/46

All: -783.602+/-313.664 χ^2/NDF: 126.6/96

- sign -198.566+/-451.567 χ^2/NDF: 60.9/49

asym_sam2_dit_correction_rms vs Slug



Right In: 3997.164+/-0.883 χ^2/NDF: 2426961.2/21

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4353.213+/-0.909 χ^2/NDF: 2606888.0/26

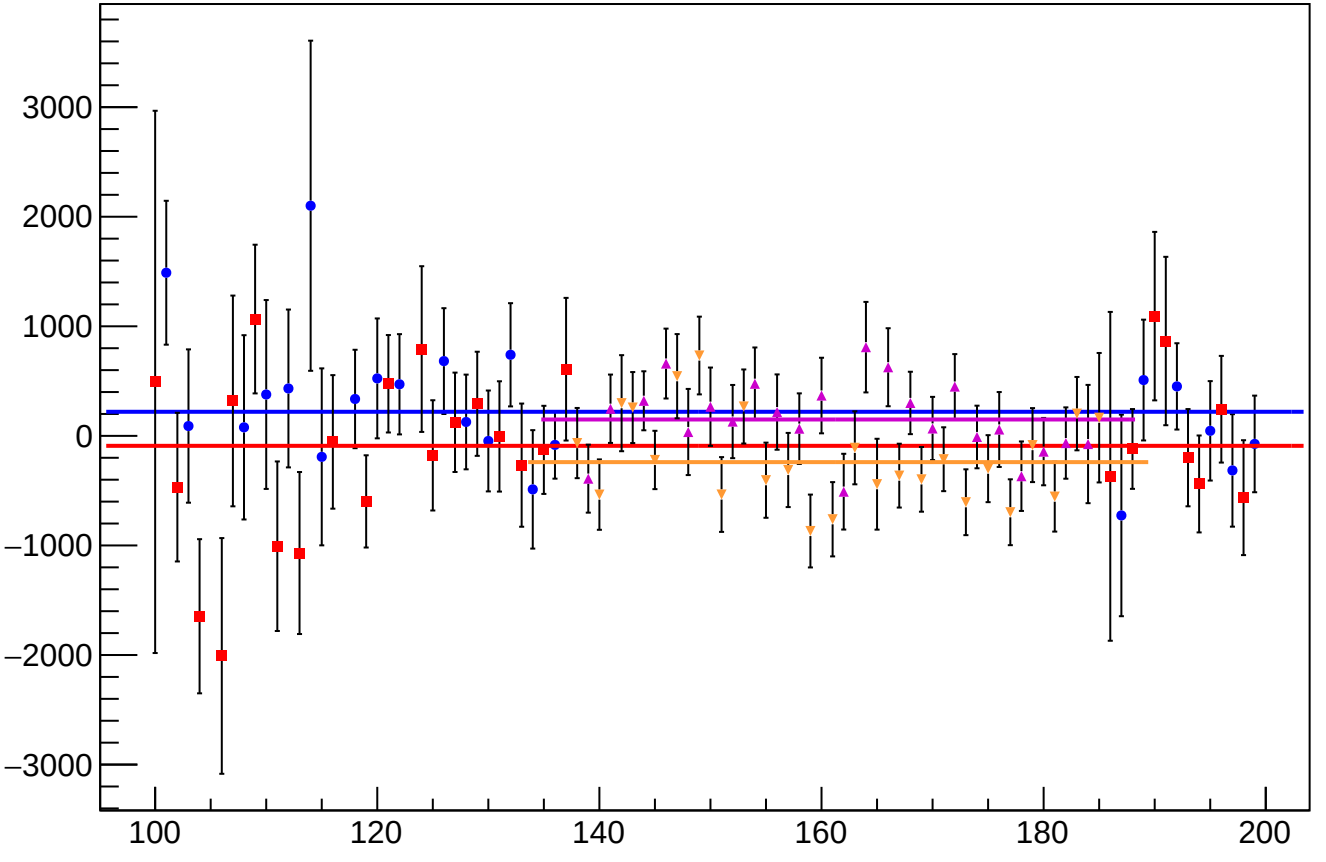
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2265.675+/-0.308 χ^2/NDF: 7510270.1/46

All: 2296.332+/-0.222 χ^2/NDF: 16374168.0/9

- sign 2329.214+/-0.319 χ^2/NDF: 8843405.2/49

eigen_dit_asym_sam2_mean vs Slug



Right In: 219.891+/-110.671 χ^2/NDF: 15.0/21

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -90.878+/-108.185 χ^2/NDF: 27.2/26

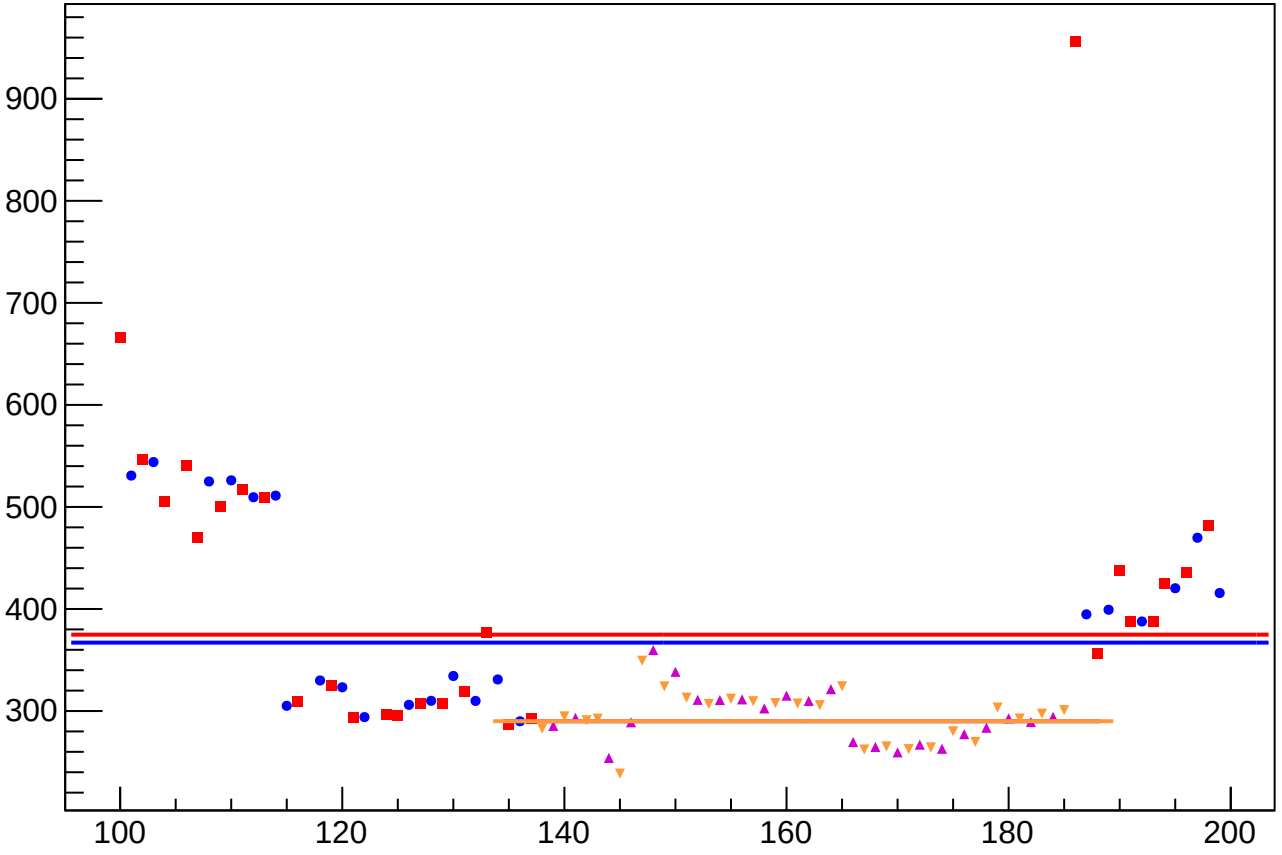
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -118.570+/-56.791 χ^2/NDF: 61.7/46

All: -20.211+/-40.464 χ^2/NDF: 120.3/96

- sign 81.210+/-57.669 χ^2/NDF: 52.5/49

eigen_dit_asym_sam2_rms vs Slug



Right In: 367.031+/-0.078 χ^2/NDF: 963265.6/21

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

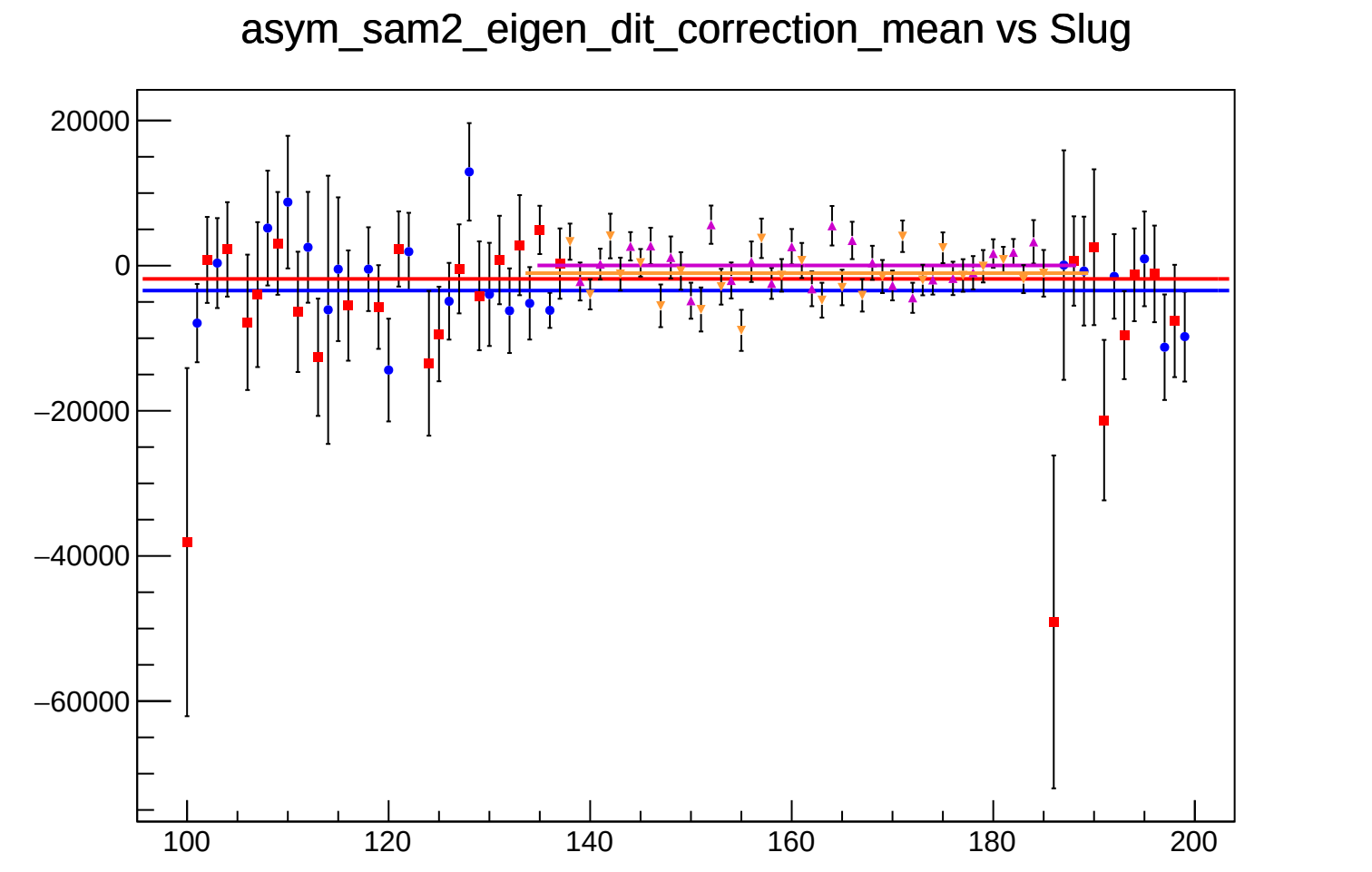
Right Out: 374.841+/-0.076 χ^2/NDF: 1380604.1/26

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 310.301+/-0.040 χ^2/NDF: 1957277.3/46

All: 312.154+/-0.029 χ^2/NDF: 4493590.6/96

- sign 314.065+/-0.041 χ^2/NDF: 2531988.0/49



Right In: -3433.735+/-1248.321 χ^2/NDF: 19.0/21

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1826.341+/-1285.929 χ^2/NDF: 24.9/26

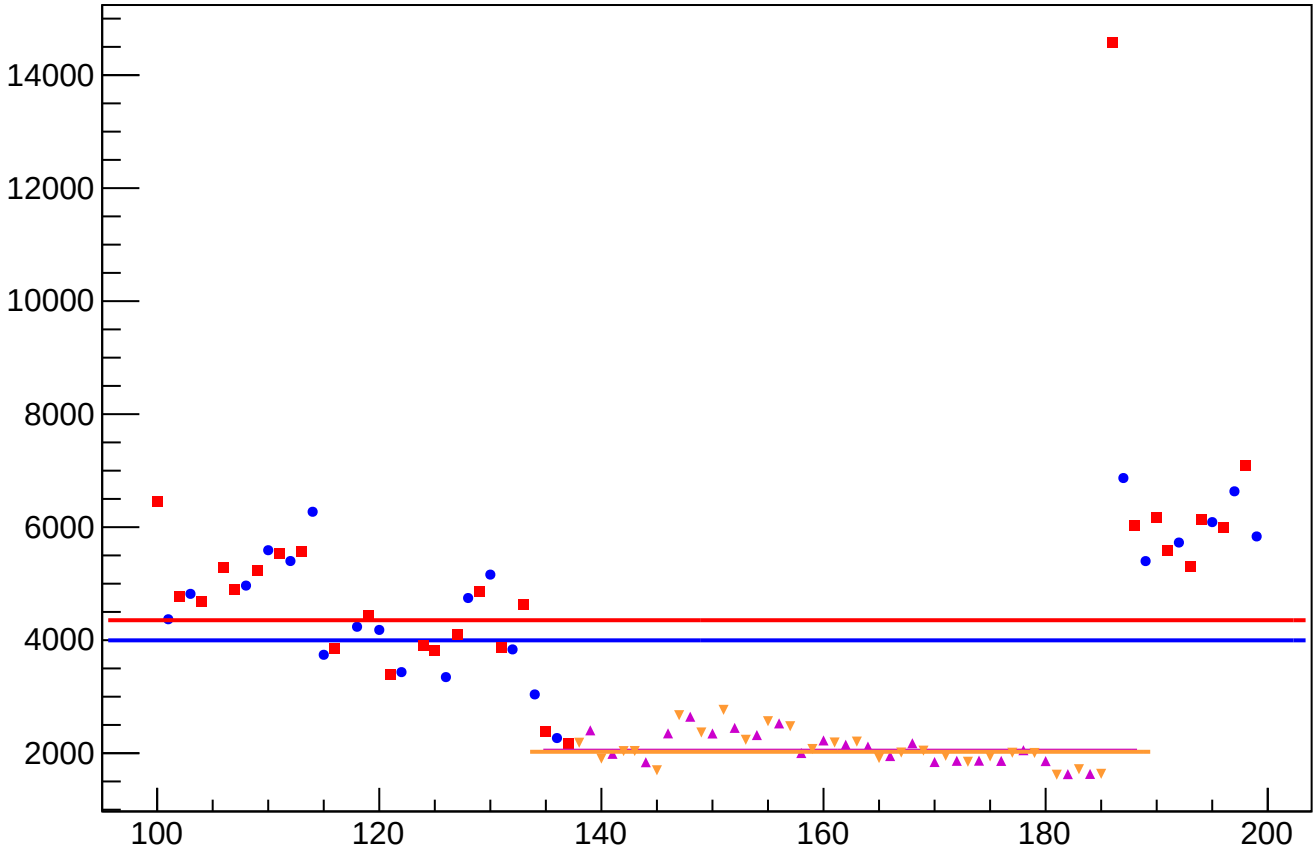
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1329.038+/-436.017 χ^2/NDF: 62.5/46

All: -783.602+/-313.664 χ^2/NDF: 126.6/96

- sign -198.568+/-451.567 χ^2/NDF: 60.9/49

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3997.160+/-0.883 χ^2/NDF: 2426950.9/21

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4353.208+/-0.909 χ^2/NDF: 2606883.6/26

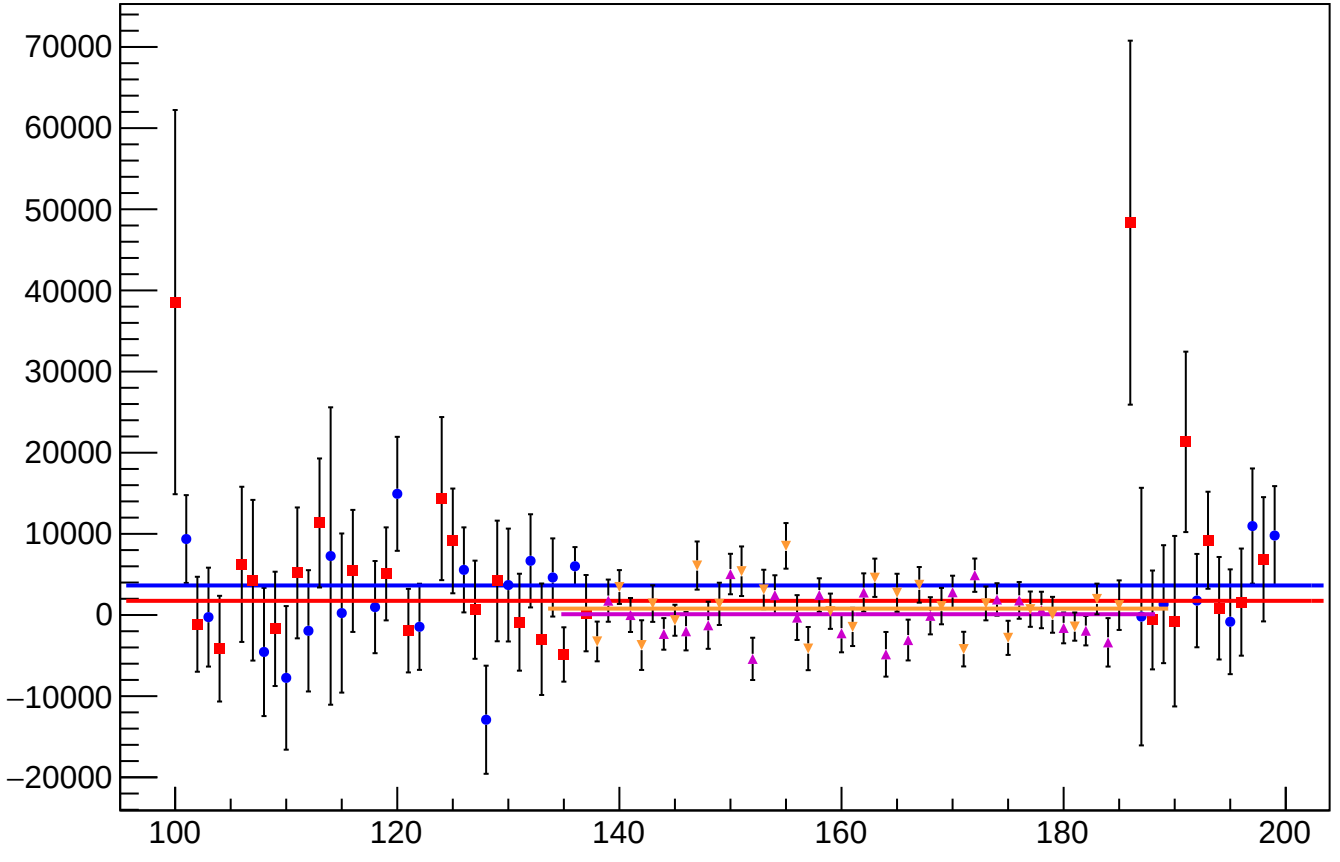
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2265.675+/-0.308 χ^2/NDF: 7510254.3/46

All: 2296.332+/-0.222 χ^2/NDF: 16374141.2/9

- sign 2329.214+/-0.319 χ^2/NDF: 8843394.6/49

asym_sam2_mean vs Slug



Right In: 3641.441+/-1226.971 χ^2/NDF: 19.2/21

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1746.007+/-1275.178 χ^2/NDF: 24.1/26

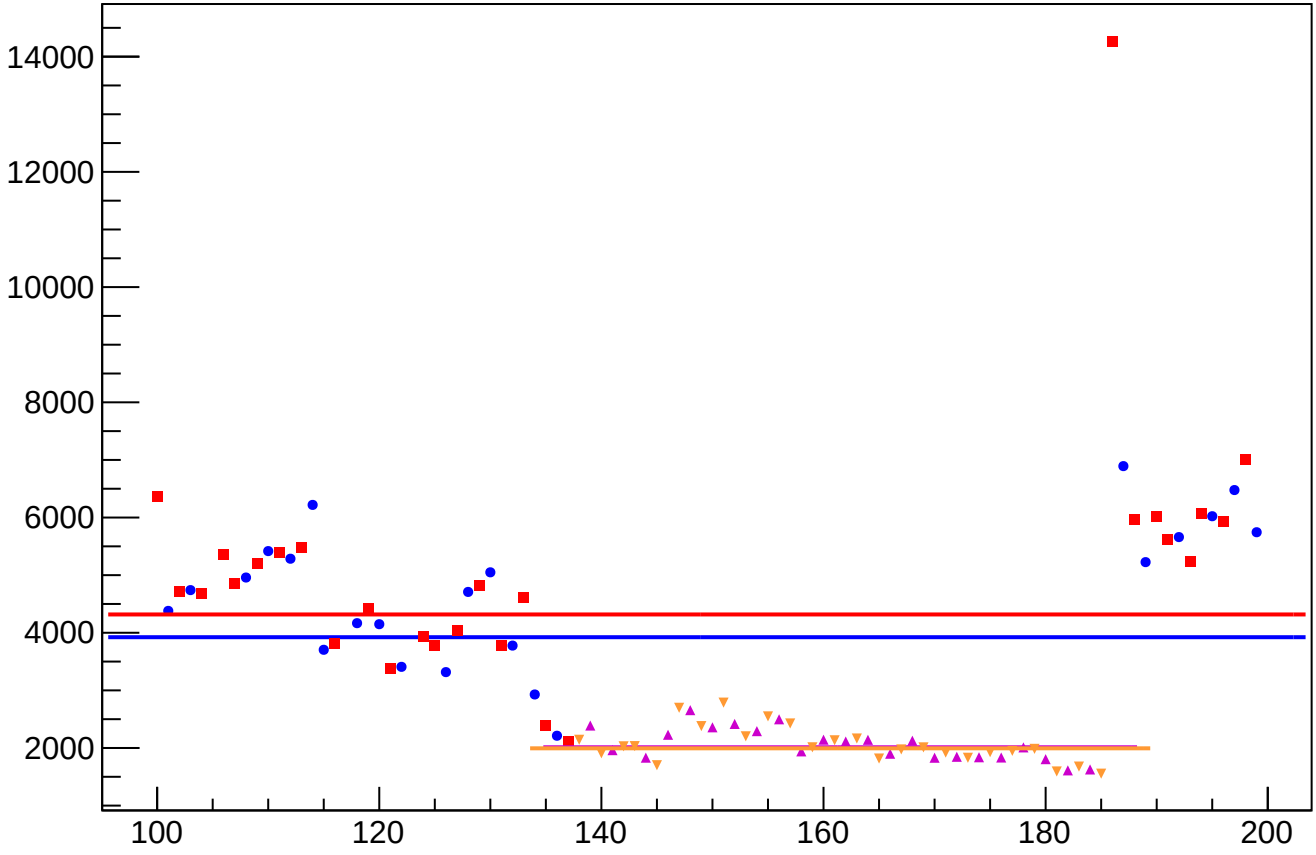
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1138.216+/-429.678 χ^2/NDF: 65.2/46

All: 732.588+/-309.096 χ^2/NDF: 125.5/96

- sign 297.560+/-444.978 χ^2/NDF: 58.4/49

asym_sam2_rms vs Slug



Right In: 3923.007+/-0.868 χ^2/NDF: 2474289.3/21

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

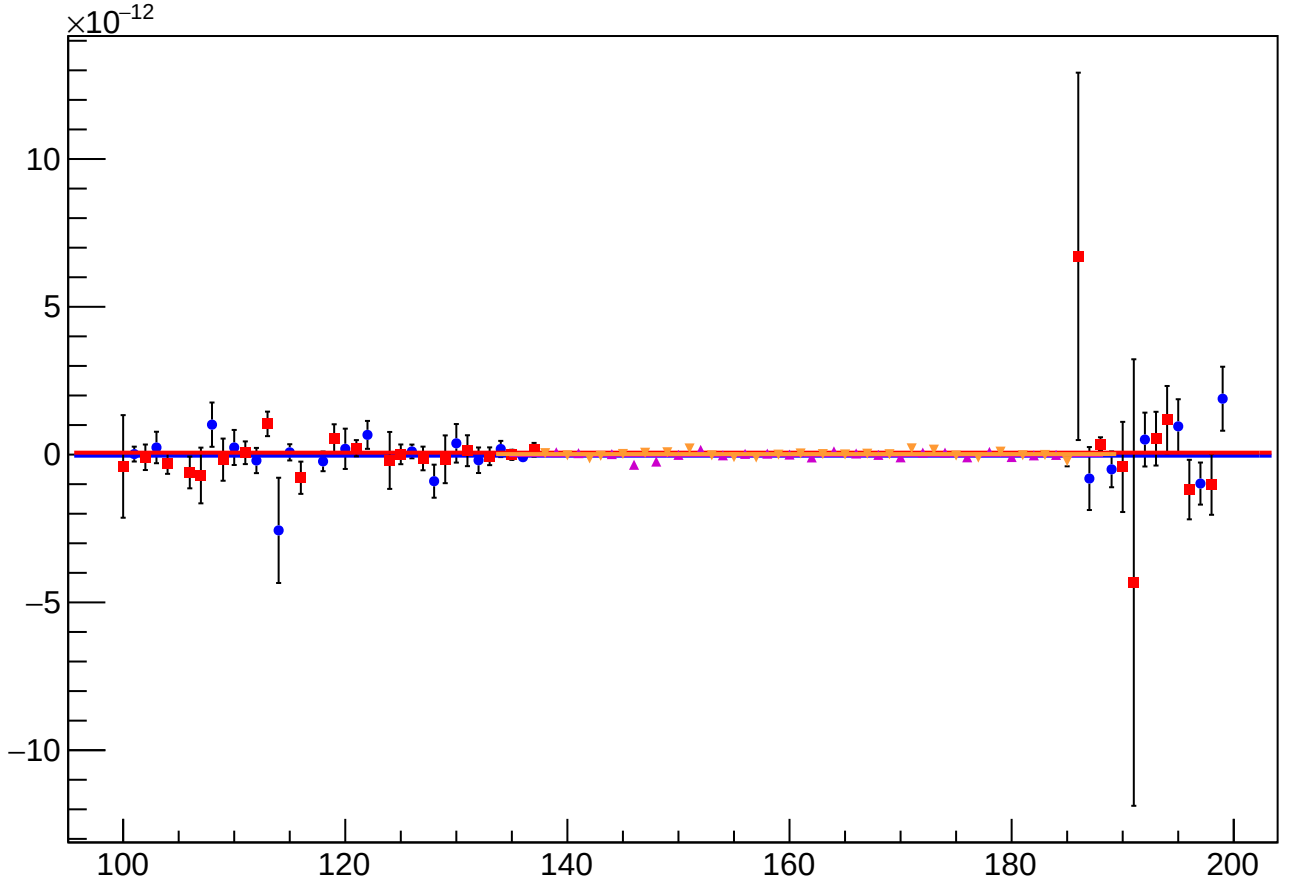
Right Out: 4317.777+/-0.902 χ^2/NDF: 2581483.6/26

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2230.781+/-0.304 χ^2/NDF: 7556876.7/46

All: 2260.985+/-0.219 χ^2/NDF: 16485566.6/9

- sign 2293.378+/-0.315 χ^2/NDF: 8908208.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

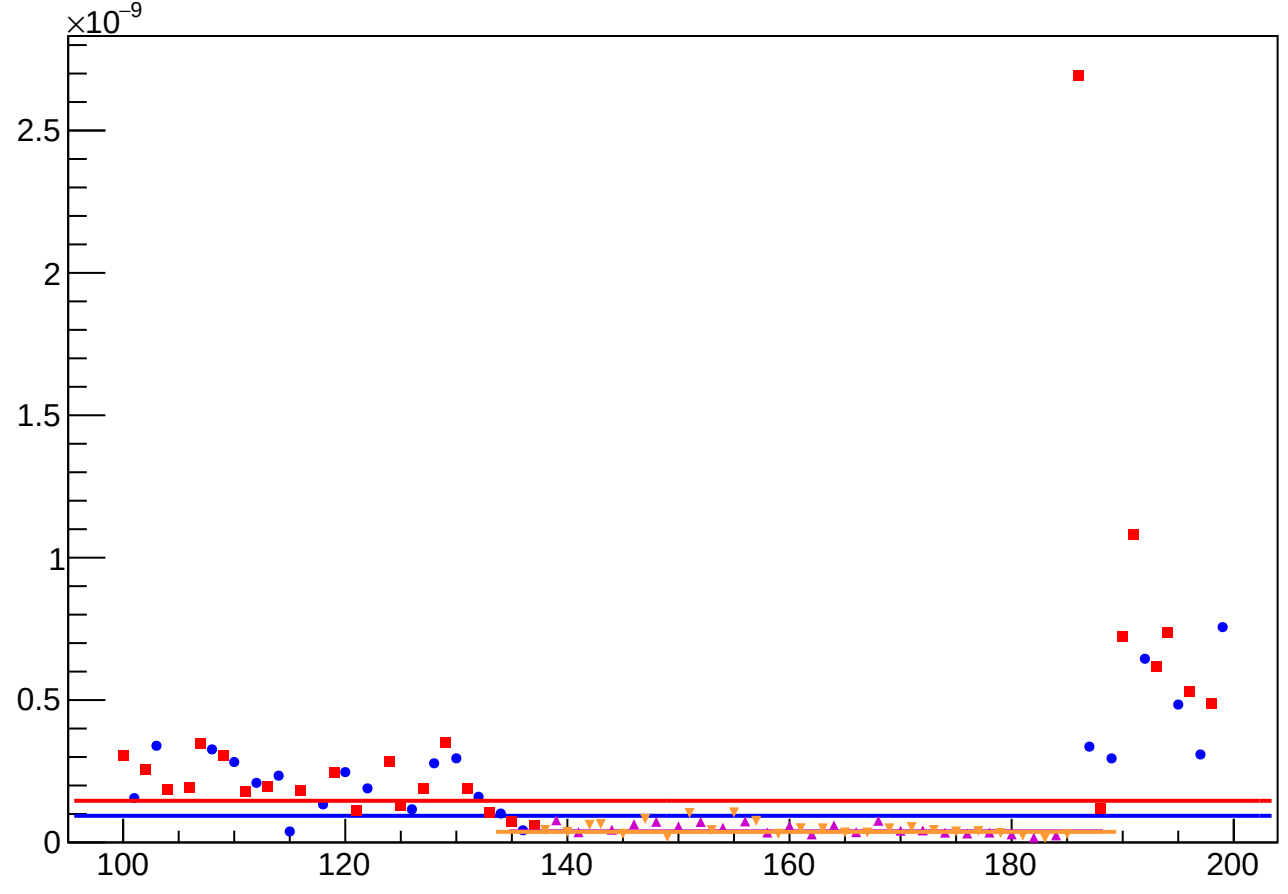
Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/26

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/46

All: 0.000+/-0.000 χ^2/NDF: 95.2/96

- sign -0.000+/-0.000 χ^2/NDF: 52.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 5116445.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3705414.4/26

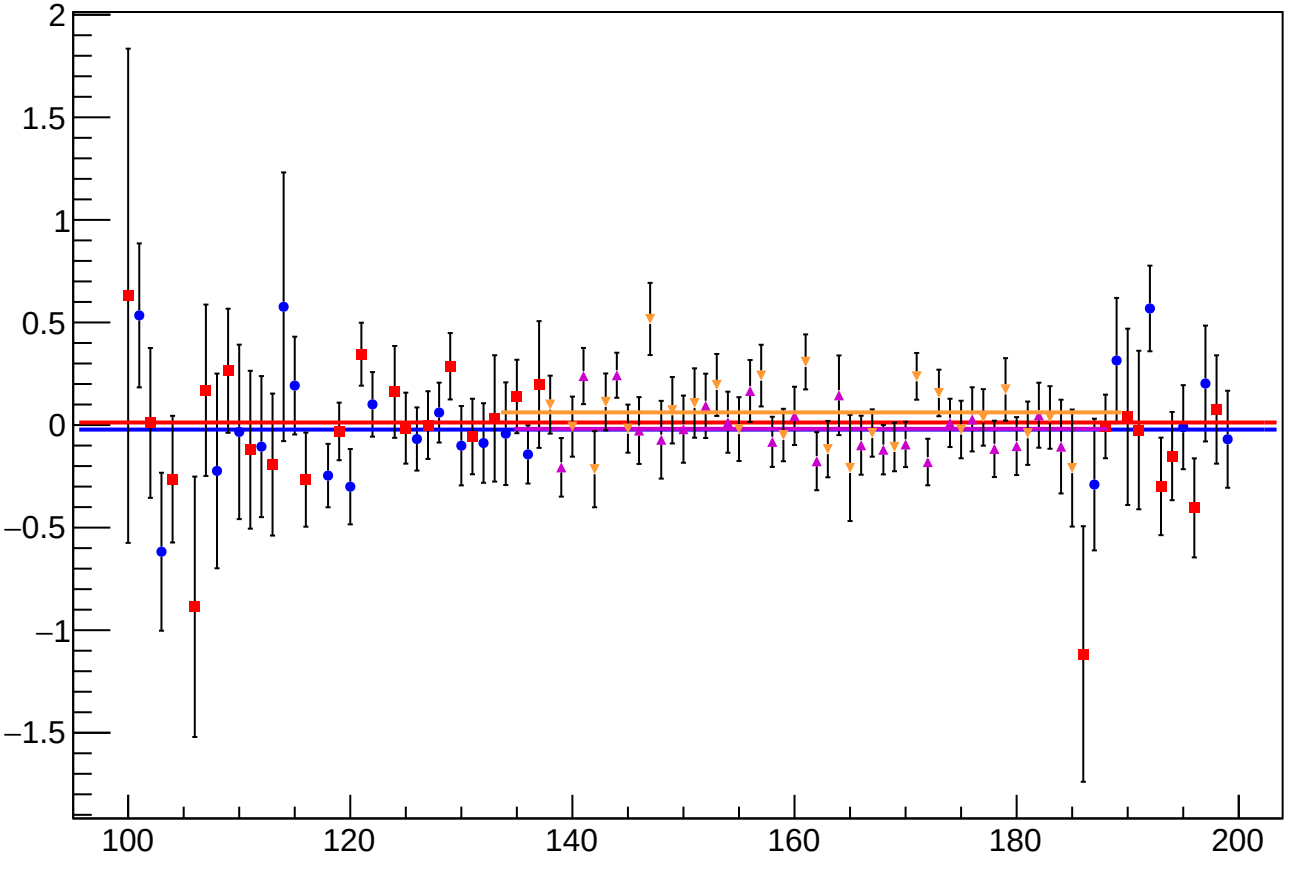
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9112902.0/46

All: 0.000+/-0.000 χ^2/NDF: 18337396.3/96

- sign 0.000+/-0.000 χ^2/NDF: 9191185.6/49

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.012+/-0.045 χ^2/NDF: 23.6/26

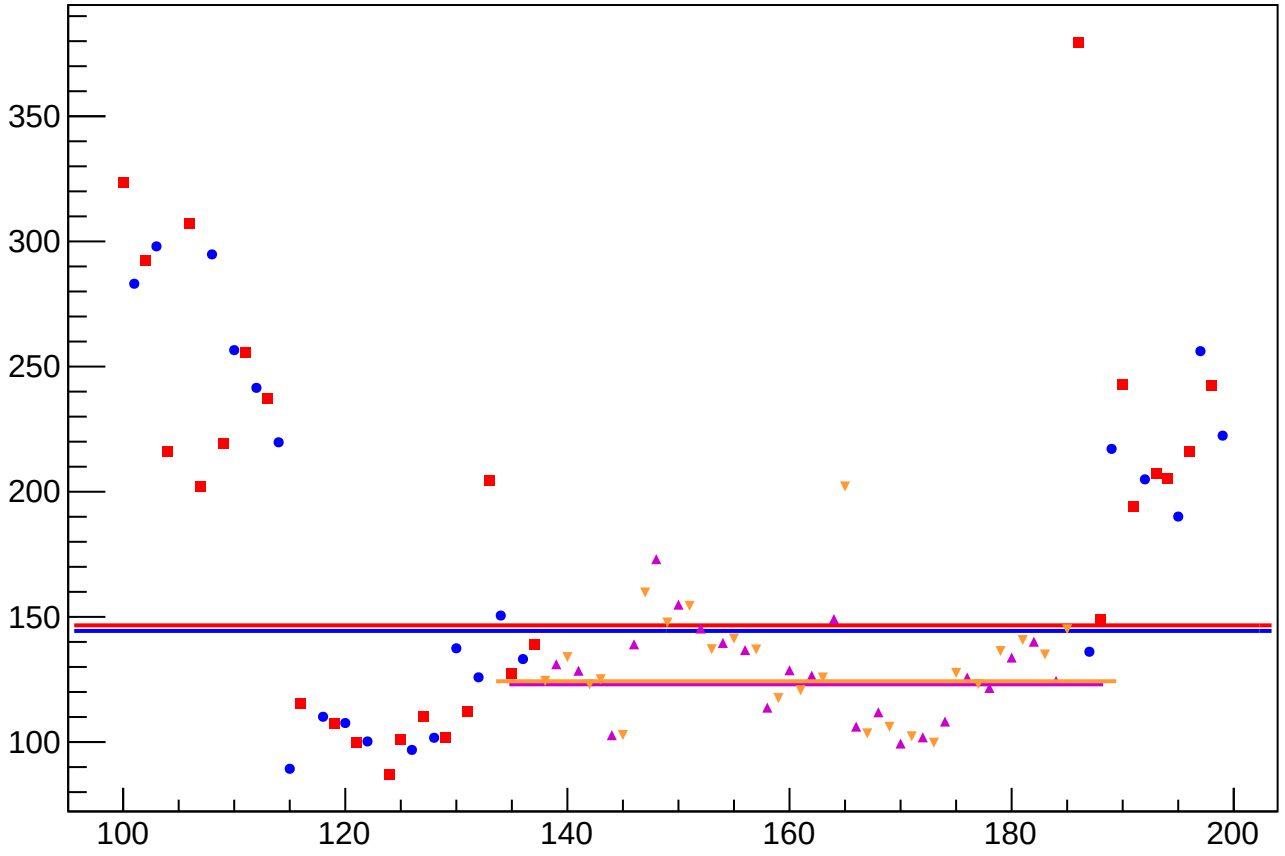
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.024 χ^2/NDF: 53.6/46

All: 0.015+/-0.017 χ^2/NDF: 99.8/96

- sign -0.009+/-0.025 χ^2/NDF: 44.3/49

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 144.396+/-0.033 χ^2/NDF: 2910288.2/21

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 146.617+/-0.032 χ^2/NDF: 3231389.8/26

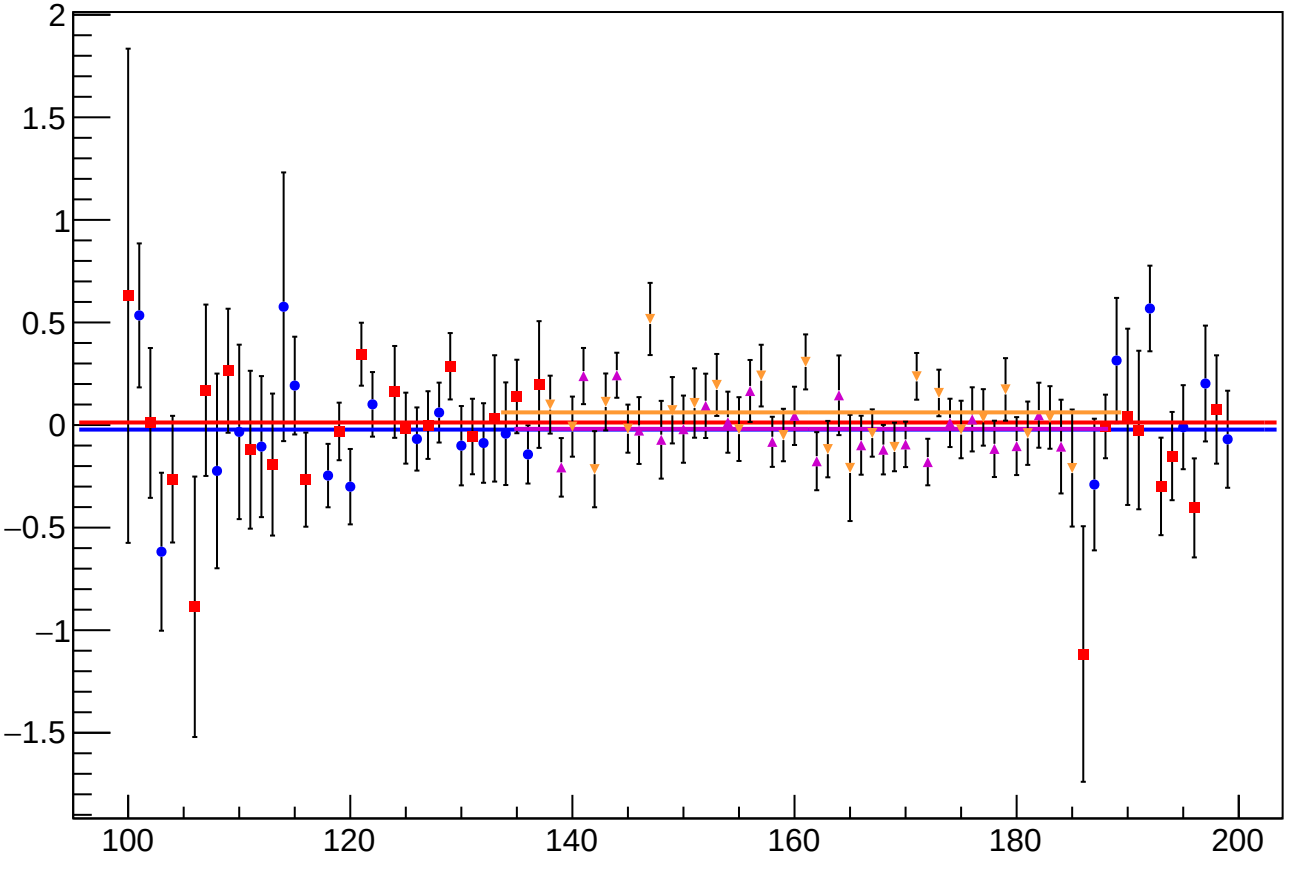
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 129.904+/-0.017 χ^2/NDF: 4025607.5/46

All: 130.036+/-0.012 χ^2/NDF: 8365224.8/96

- sign 130.170+/-0.017 χ^2/NDF: 4339498.6/49

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.012+/-0.045 χ^2/NDF: 23.6/26

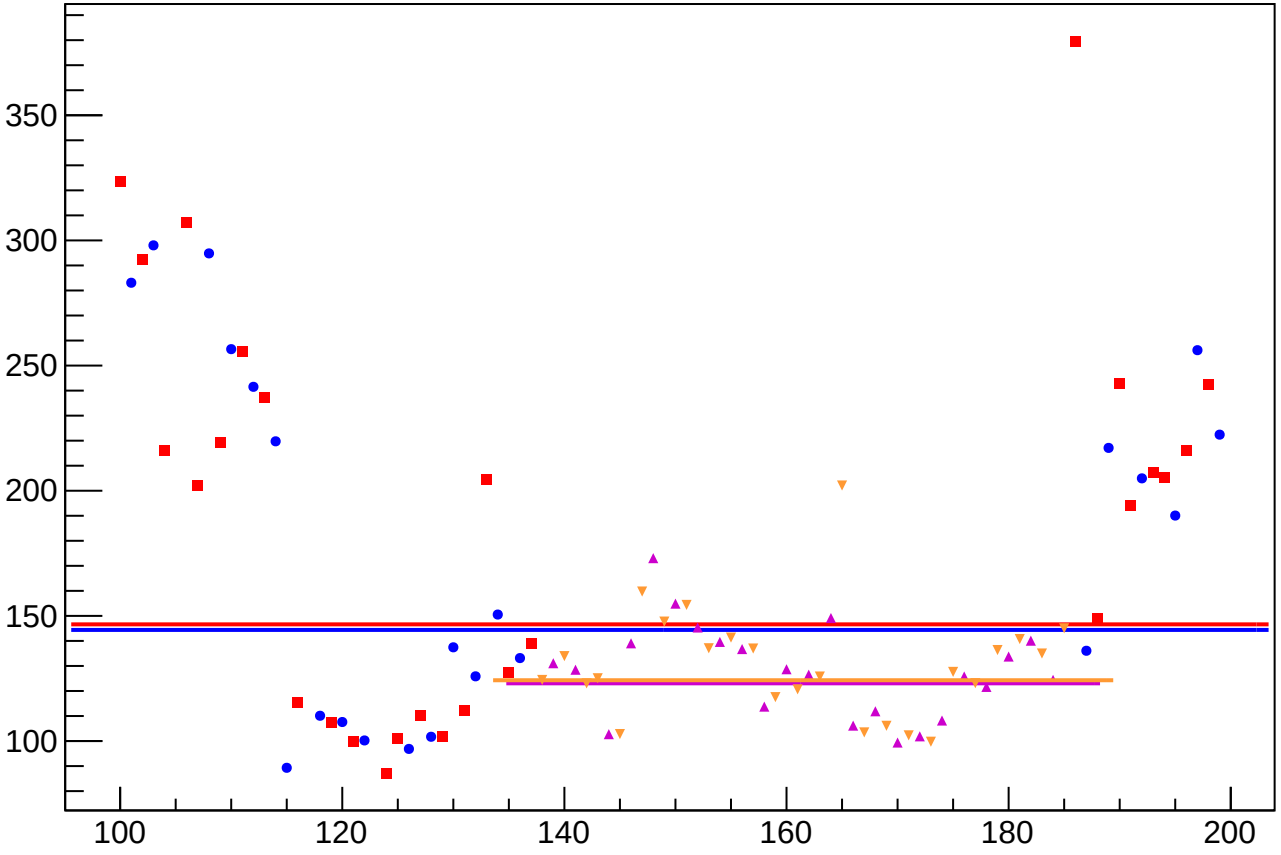
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.024 χ^2/NDF: 53.6/46

All: 0.015+/-0.017 χ^2/NDF: 99.8/96

- sign -0.009+/-0.025 χ^2/NDF: 44.3/49

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.396+/-0.033 χ^2/NDF: 2910288.2/21

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 146.617+/-0.032 χ^2/NDF: 3231389.8/26

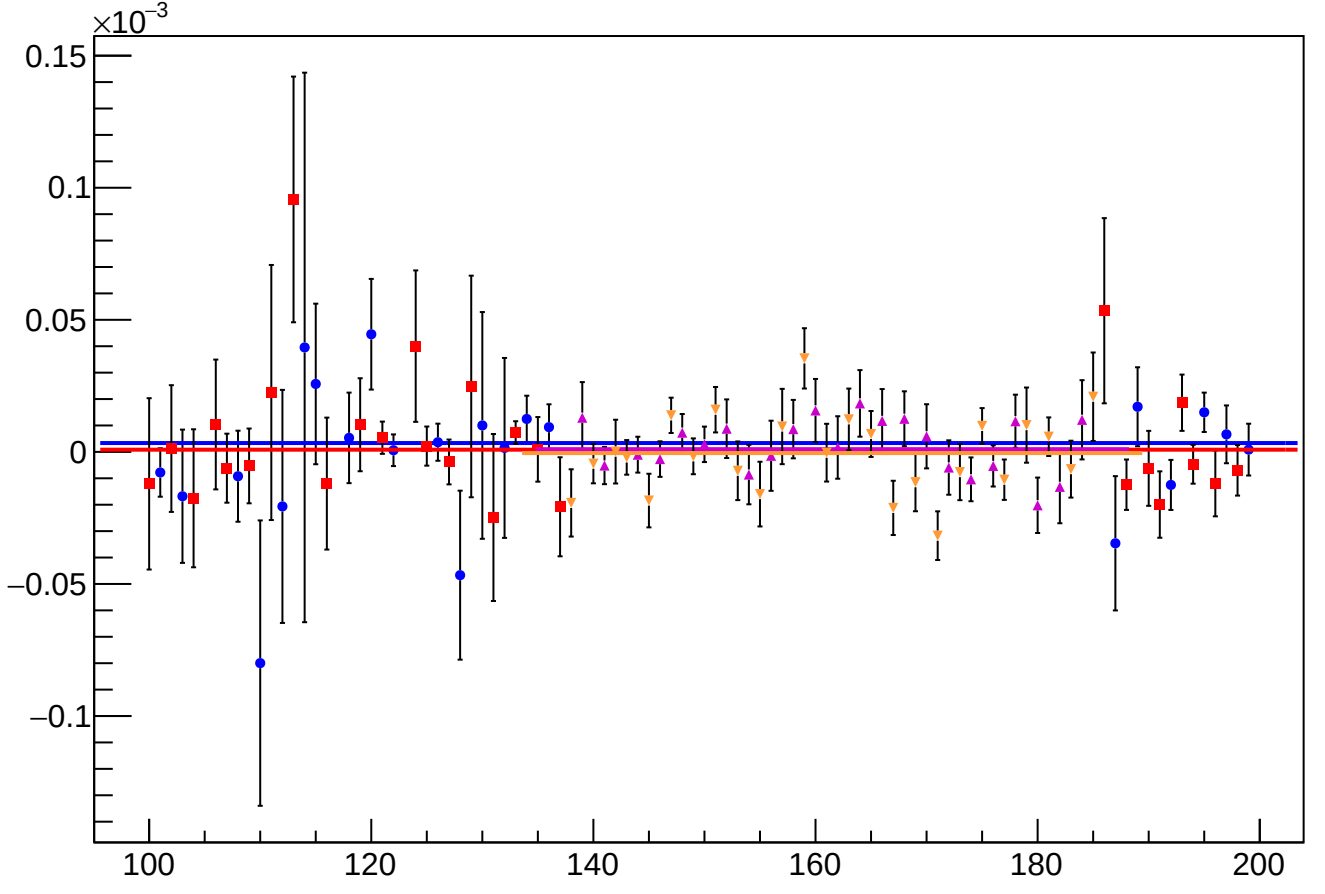
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 129.904+/-0.017 χ^2/NDF: 4025607.5/46

All: 130.036+/-0.012 χ^2/NDF: 8365224.8/96

- 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: 22.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/26

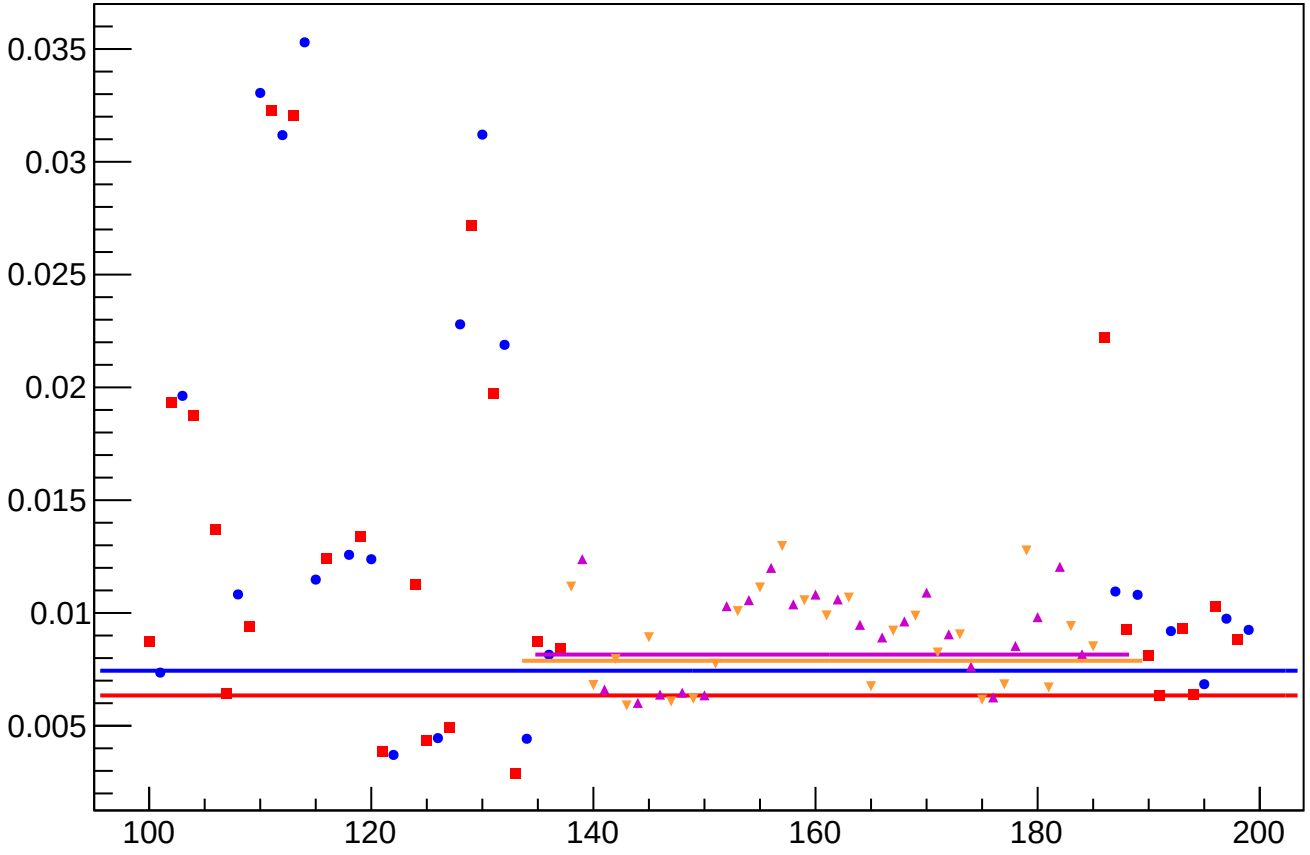
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.5/46

All: 0.000+/-0.000 χ^2/NDF: 122.3/96

- sign 0.000+/-0.000 χ^2/NDF: 45.7/49

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5239706.5/21

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6935652.3/26

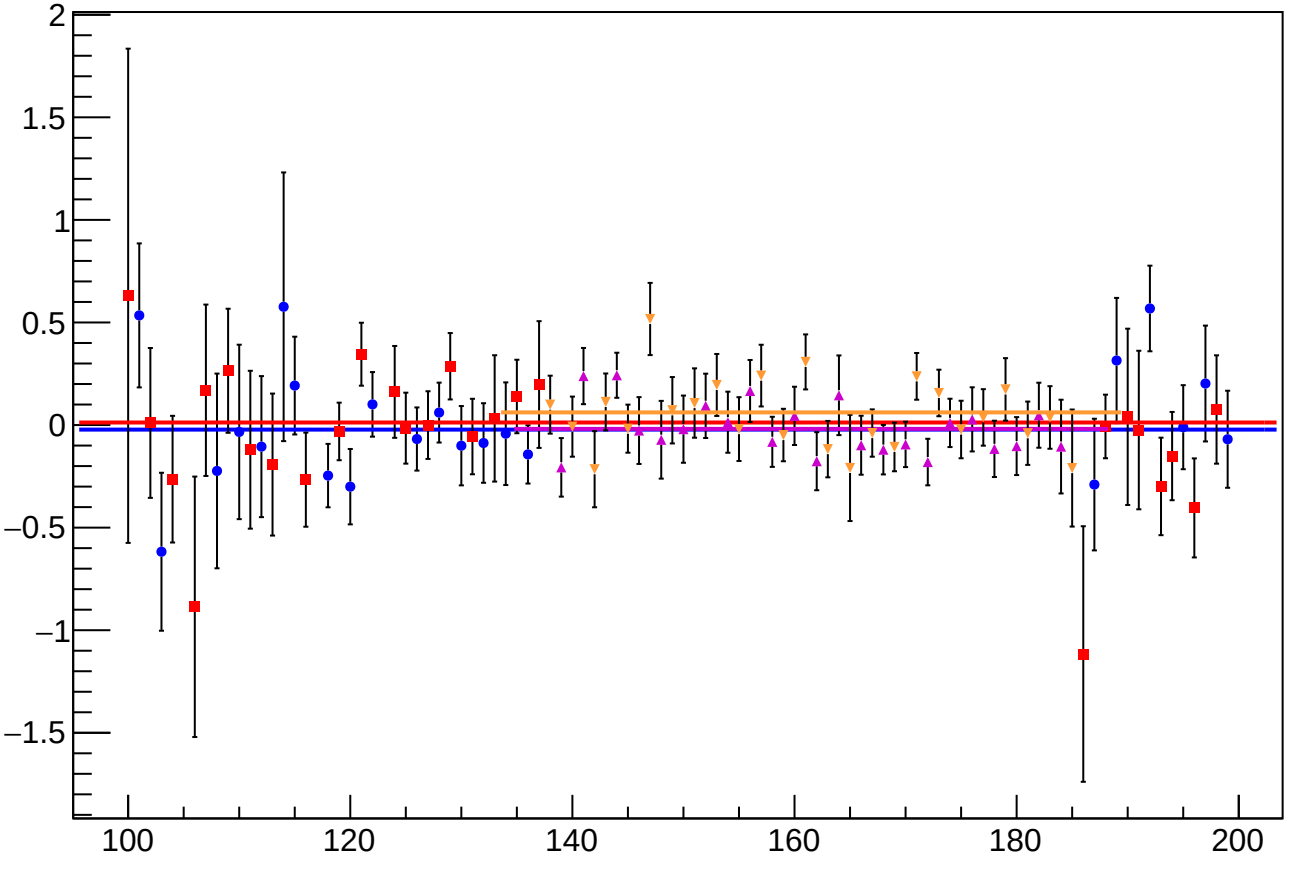
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7355492.2/46

All: 0.008+/-0.000 χ^2/NDF: 17150532.1/96

- sign 0.007+/-0.000 χ^2/NDF: 9720097.8/49

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.012+/-0.045 χ^2/NDF: 23.6/26

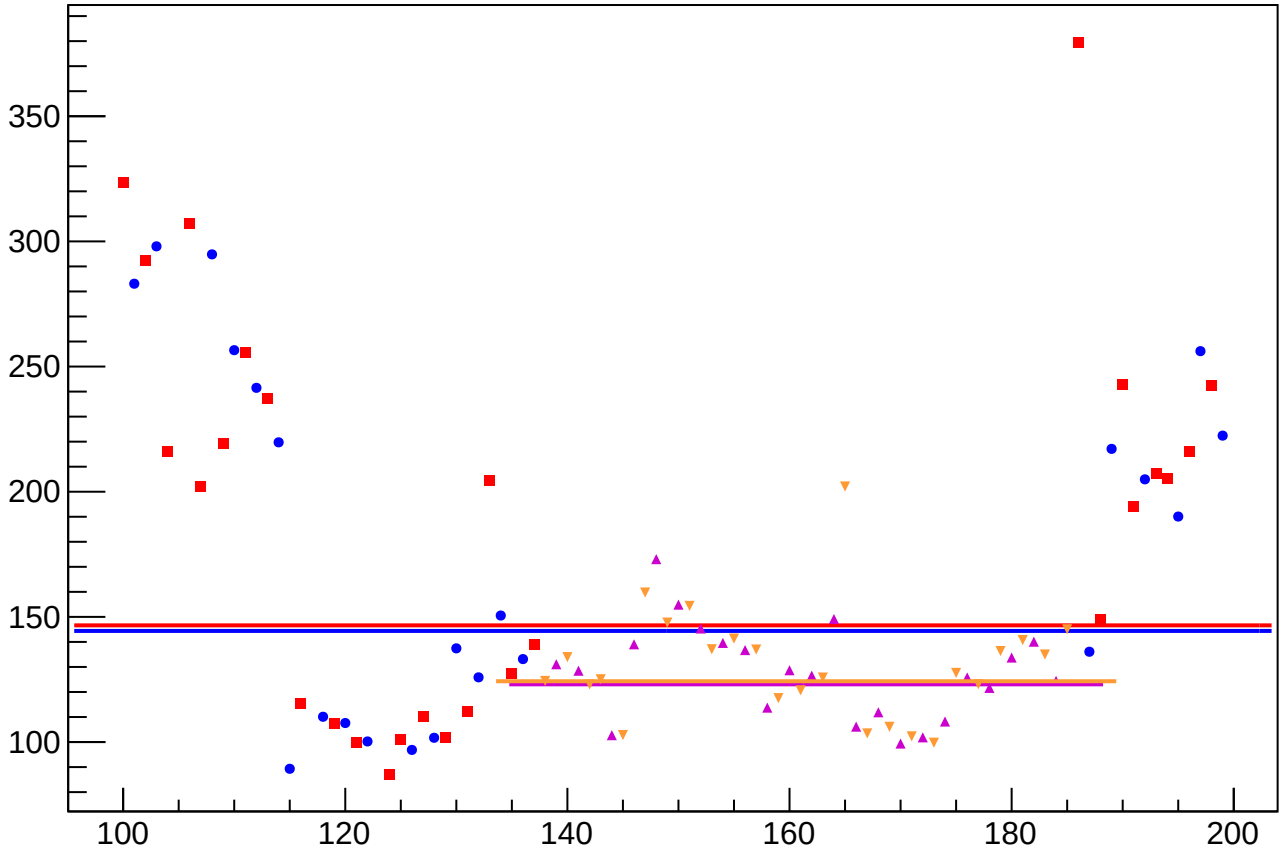
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.024 χ^2/NDF: 53.6/46

All: 0.015+/-0.017 χ^2/NDF: 99.8/96

- sign -0.009+/-0.025 χ^2/NDF: 44.3/49

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.393+/-0.033 χ^2/NDF: 2910318.6/21

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

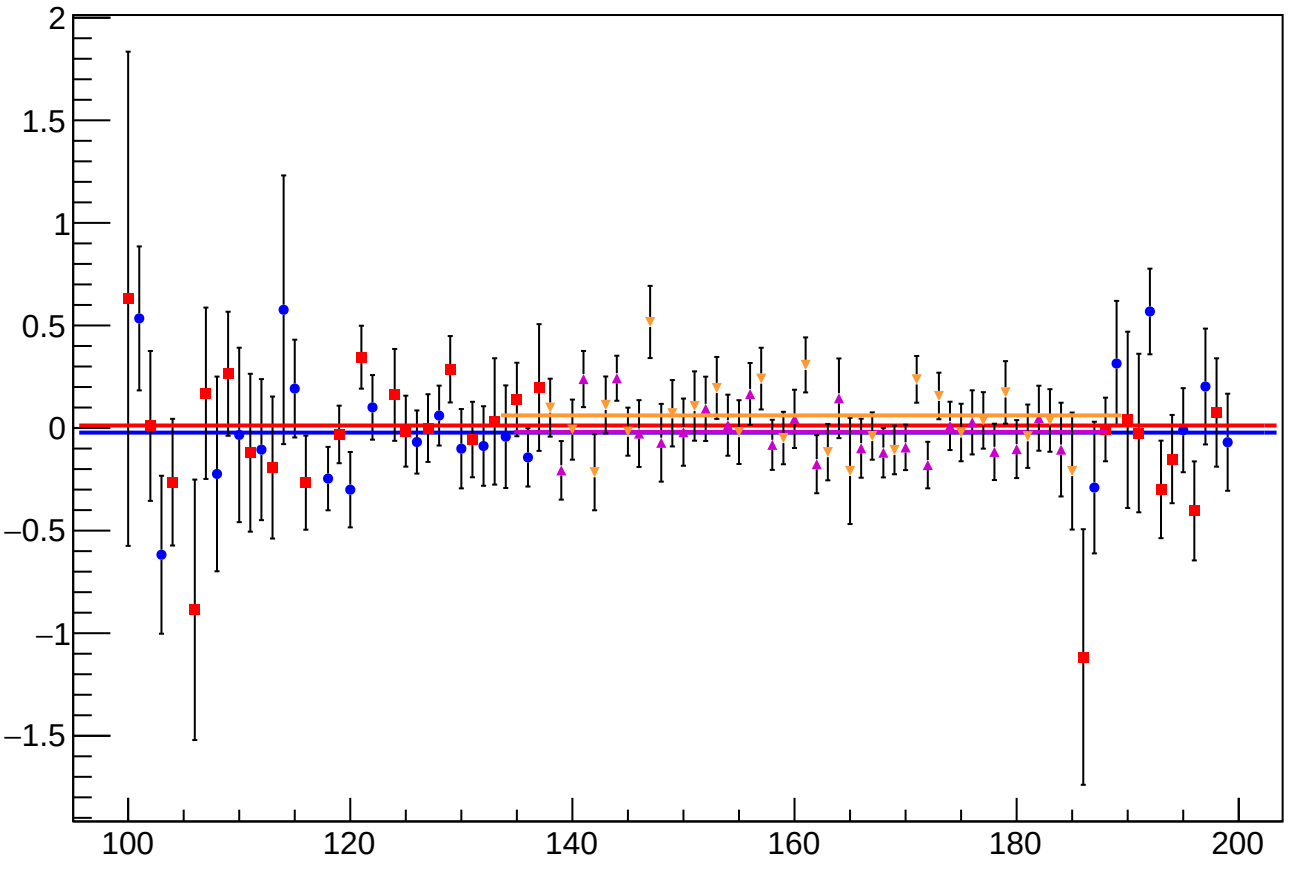
Right Out: 146.615+/-0.032 χ^2/NDF: 3231465.0/26

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 129.904+/-0.017 χ^2/NDF: 4025621.3/46

All: 130.036+/-0.012 χ^2/NDF: 8365261.3/96

- sign 130.170+/-0.017 χ^2/NDF: 4339521.4/49



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

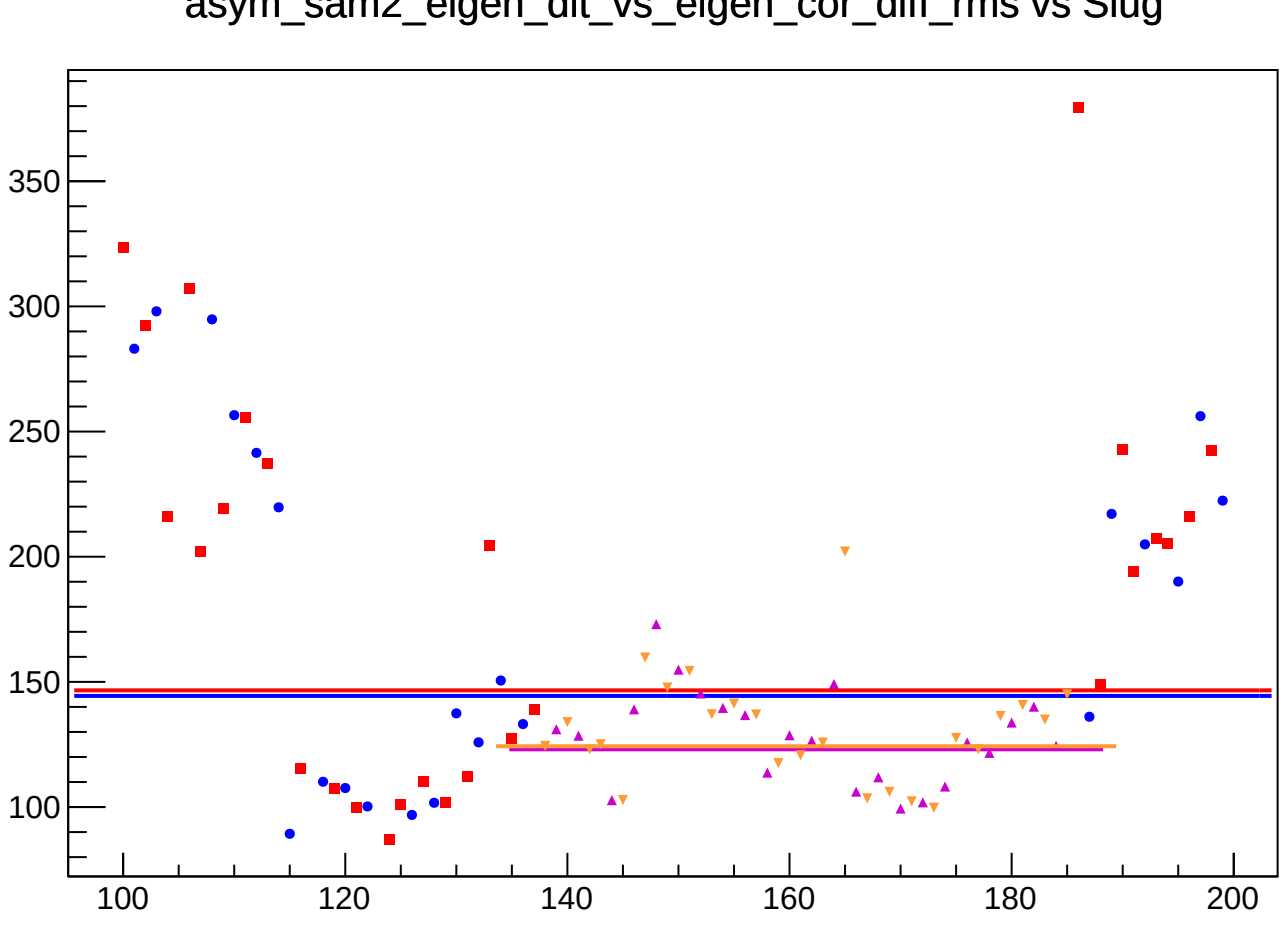
Right Out: 0.012+/-0.045 χ^2/NDF: 23.6/26

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.038+/-0.024 χ^2/NDF: 53.6/46

All: 0.015+/-0.017 χ^2/NDF: 99.8/96

- sign -0.009+/-0.025 χ^2/NDF: 44.3/49



Right In: 144.393+/-0.033 χ^2/NDF: 2910318.6/21

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 146.615+/-0.032 χ^2/NDF: 3231465.0/26

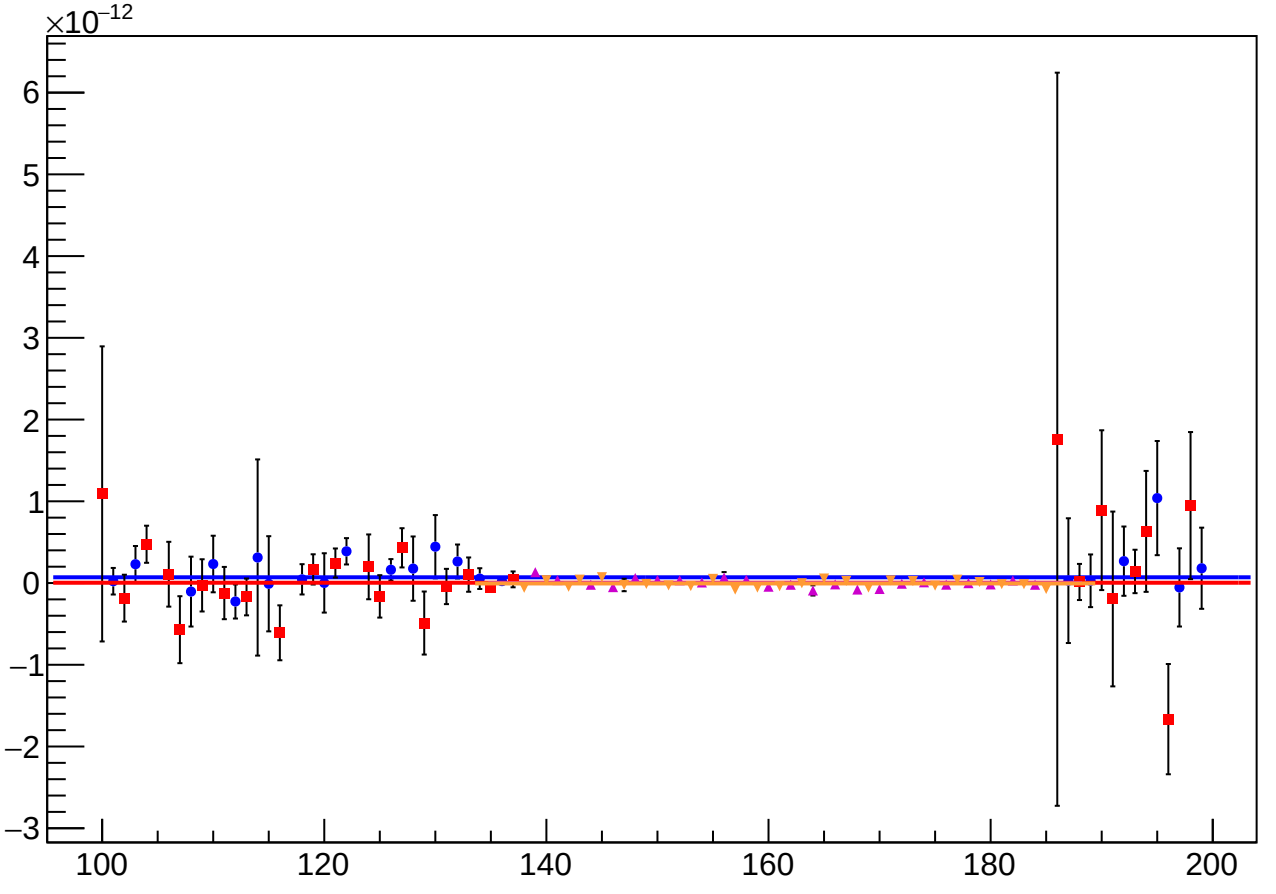
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 129.904+/-0.017 χ^2/NDF: 4025621.3/46

All: 130.036+/-0.012 χ^2/NDF: 8365261.3/96

- 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: 12.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/26

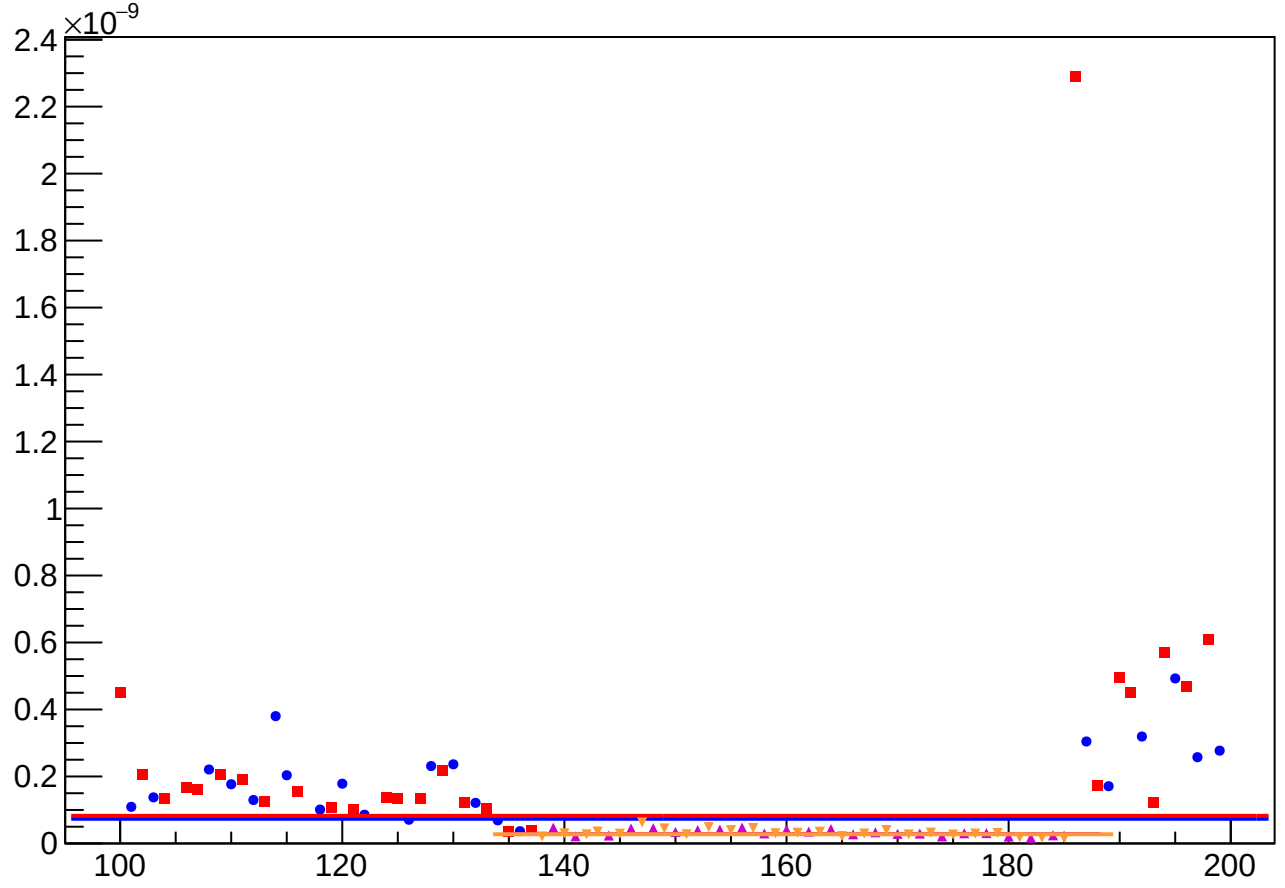
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.4/46

All: -0.000+/-0.000 χ^2/NDF: 96.0/96

- sign 0.000+/-0.000 χ^2/NDF: 54.5/49

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5637316.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7417665.3/26

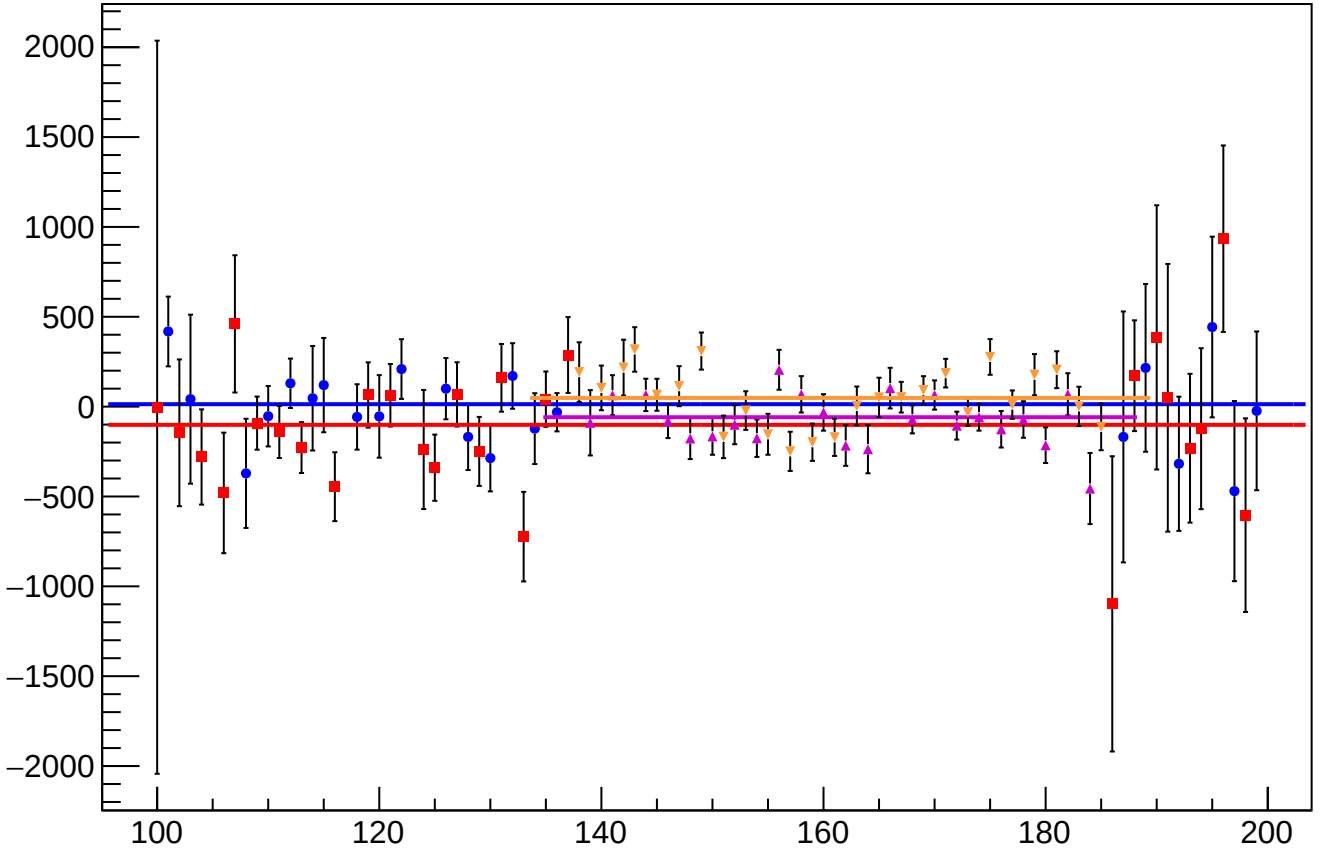
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11275117.0/46

All: 0.000+/-0.000 χ^2/NDF: 24747505.1/96

- sign 0.000+/-0.000 χ^2/NDF: 13456856.5/49

reg_asym_sam3_mean vs Slug



Right In: 13.524+/-44.473 χ^2/NDF: 16.6/21

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -101.402+/-44.287 χ^2/NDF: 33.2/26

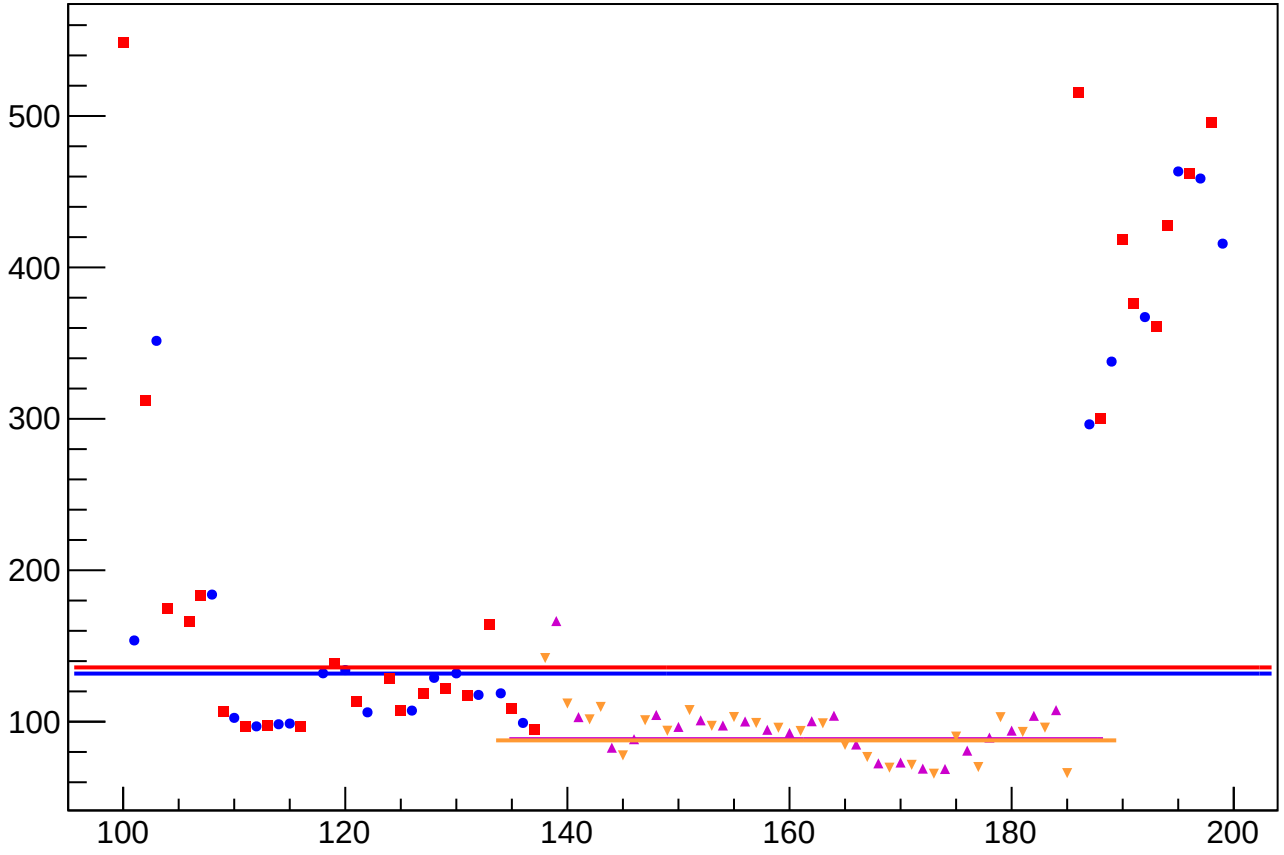
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 42.320+/-18.560 χ^2/NDF: 70.6/46

All: -10.747+/-13.307 χ^2/NDF: 152.0/96

- sign -66.889+/-19.090 χ^2/NDF: 64.6/49

reg_asym_sam3_rms vs Slug



Right In: 131.769+/-0.031 χ^2/NDF: 4908772.1/21

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 135.842+/-0.031 χ^2/NDF: 5915435.1/26

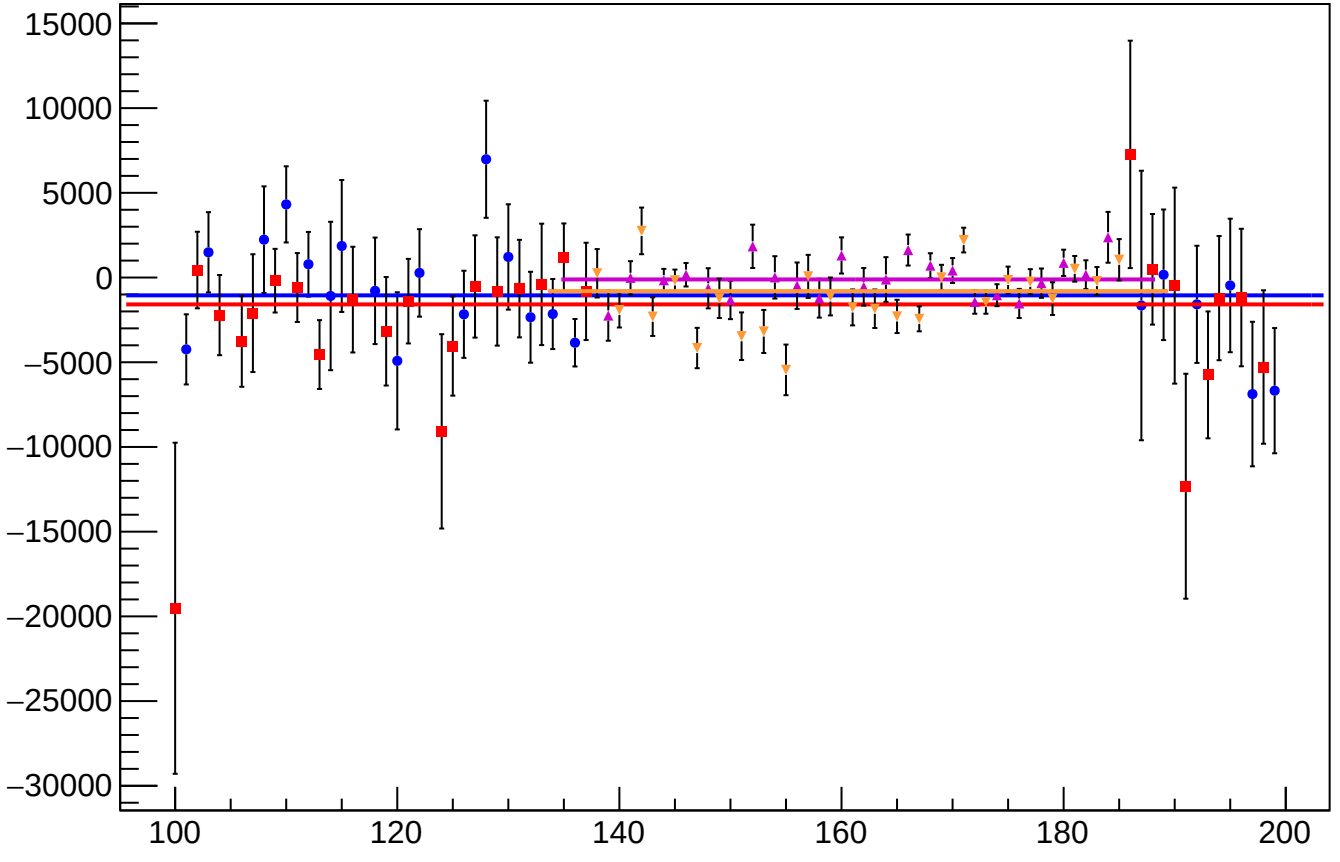
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

\+ sign 95.339+/-0.013 χ^2/NDF: 7747129.7/46

All: 96.283+/-0.009 χ^2/NDF: 16611075.6/96

\- sign 97.282+/-0.013 χ^2/NDF: 8853291.7/49

asym_sam3_reg_correction_mean vs Slug



Right In: -1051.991+/-577.869 χ^2/NDF: 27.9/21

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

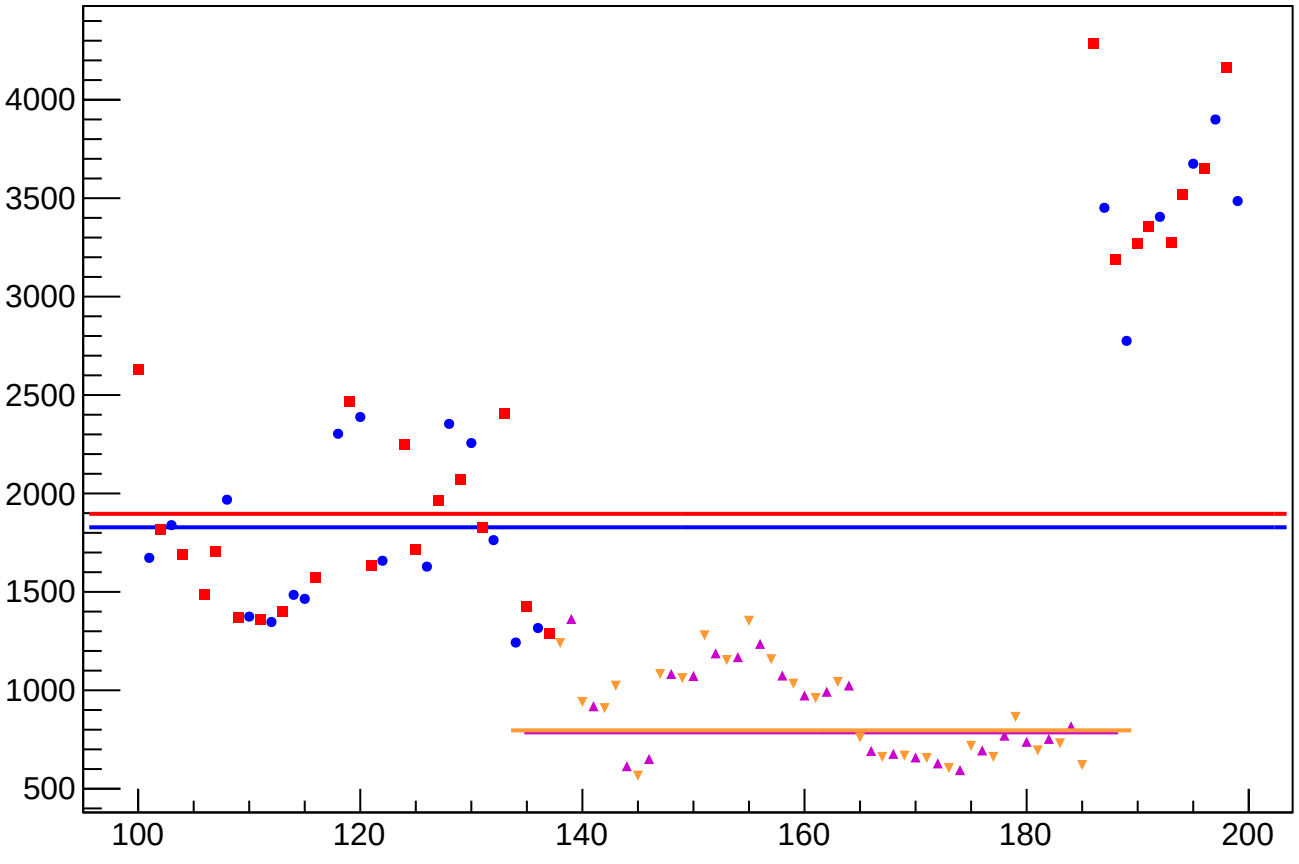
Right Out: -1585.585+/-569.417 χ^2/NDF: 19.6/26

Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -825.424+/-178.566 χ^2/NDF: 100.0/46

All: -545.915+/-126.930 χ^2/NDF: 157.7/96

- sign -260.442+/-180.461 χ^2/NDF: 52.7/49



Right In: 1828.144+/-0.409 χ^2/NDF: 2803768.2/21

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1896.537+/-0.403 χ^2/NDF: 3185735.8/26

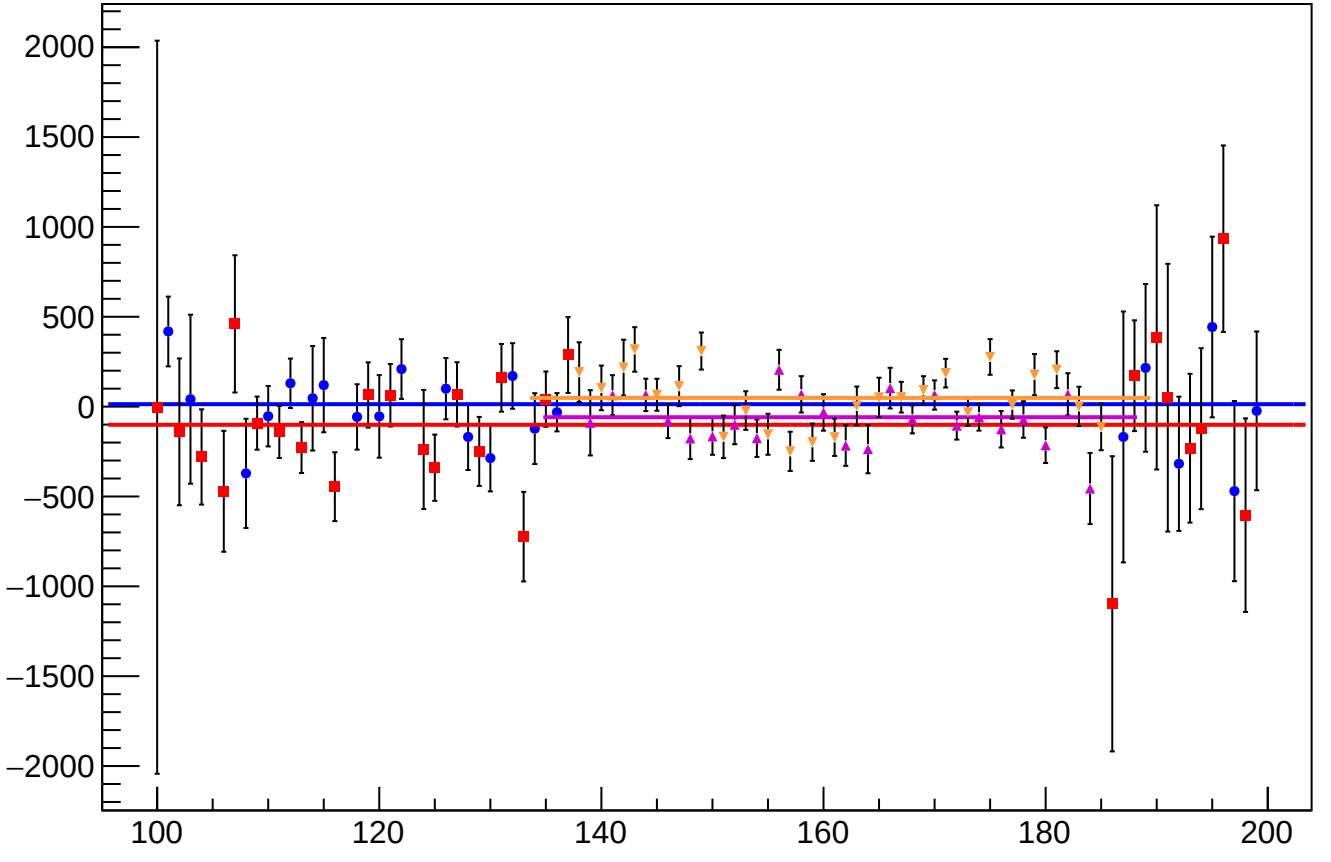
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 895.029+/-0.126 χ^2/NDF: 10986997.6/46

All: 896.422+/-0.090 χ^2/NDF: 23168725.5/96

- sign 897.845+/-0.128 χ^2/NDF: 12181481.9/49

cor_asym_sam3_mean vs Slug



Right In: 13.511+/-44.473 χ^2/NDF: 16.6/21

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -101.133+/-44.290 χ^2/NDF: 33.1/26

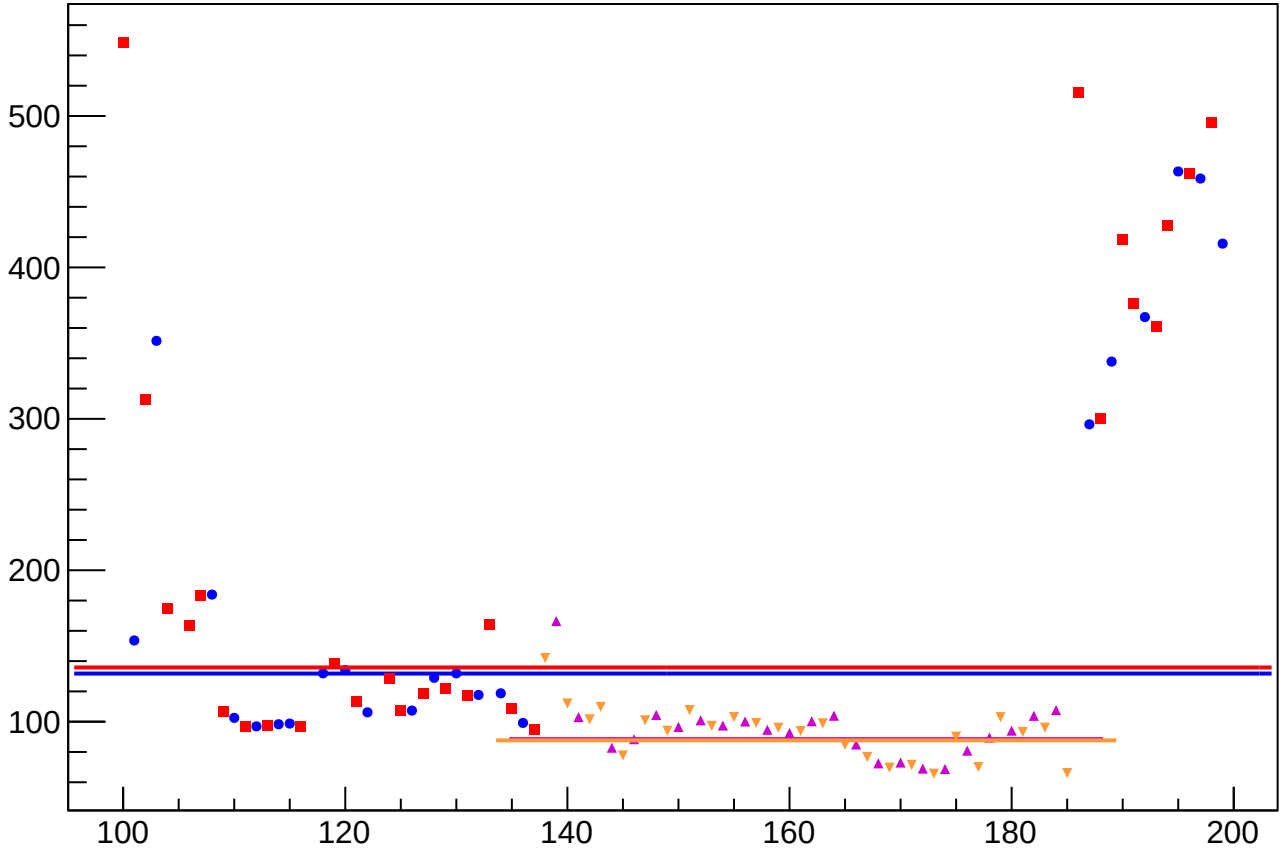
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.323+/-18.560 χ^2/NDF: 70.6/46

All: -10.721+/-13.307 χ^2/NDF: 151.9/96

- sign -66.841+/-19.090 χ^2/NDF: 64.5/49

cor_asym_sam3_rms vs Slug



Right In: 131.769+/-0.031 χ^2/NDF: 4908774.3/21

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 135.796+/-0.031 χ^2/NDF: 5912956.1/26

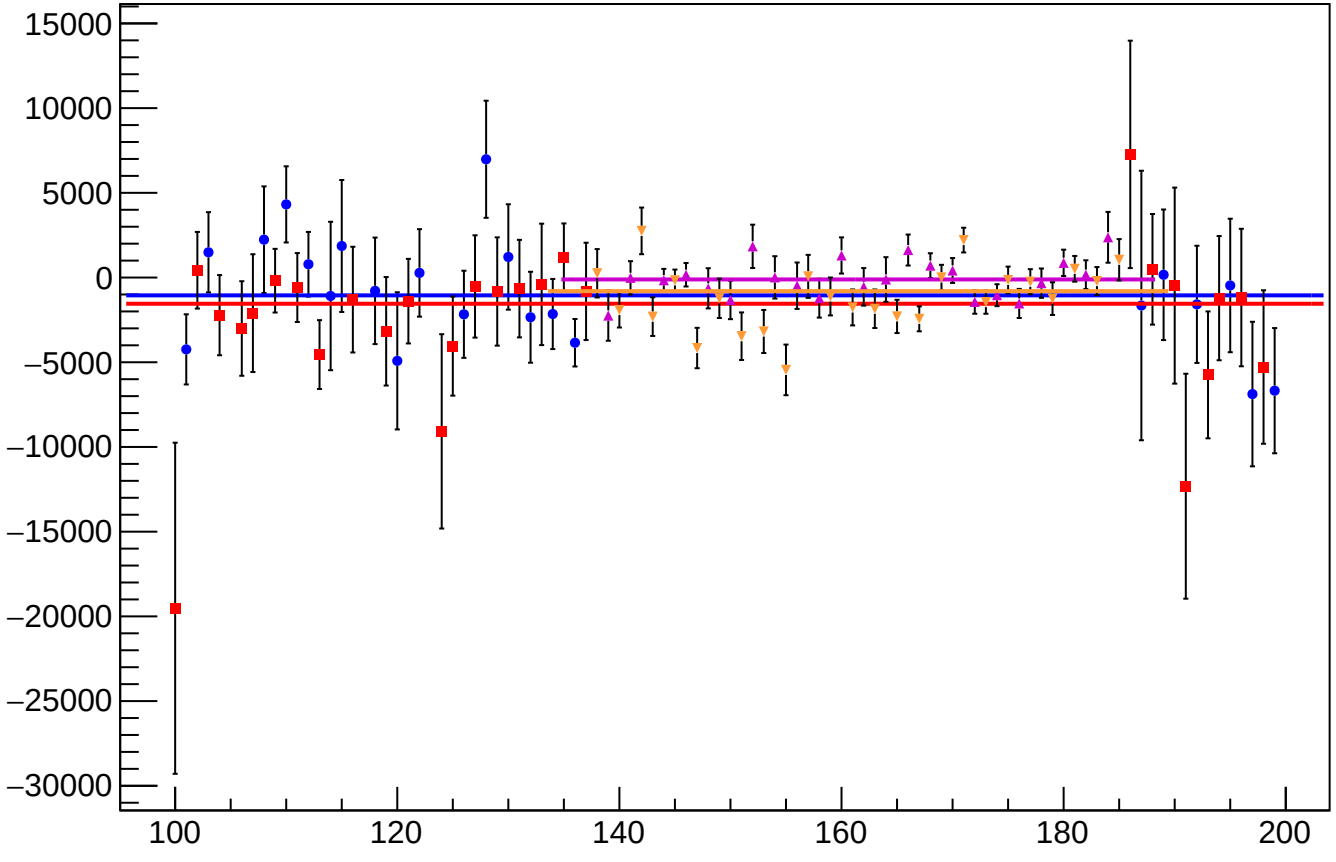
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 95.339+/-0.013 χ^2/NDF: 7747131.3/46

All: 96.278+/-0.009 χ^2/NDF: 16604678.3/96

- sign 97.272+/-0.013 χ^2/NDF: 8846996.5/49

asym_sam3_cor_correction_mean vs Slug



Right In: -1051.980+/-577.873 χ^2/NDF: 27.9/21

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1546.737+/-570.494 χ^2/NDF: 19.2/26

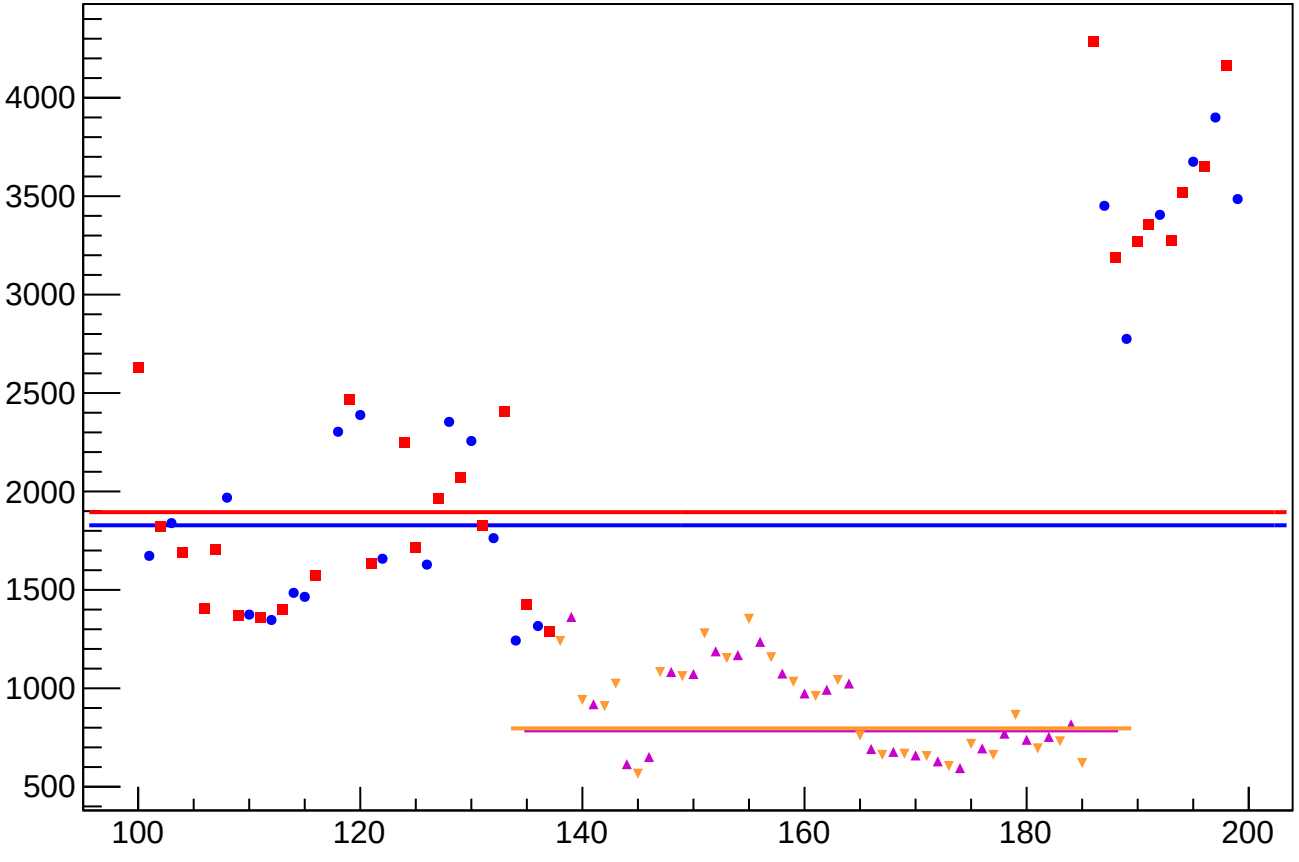
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -825.416+/-178.566 χ^2/NDF: 100.0/46

All: -543.793+/-126.942 χ^2/NDF: 157.0/96

- sign -256.052+/-180.496 χ^2/NDF: 52.0/49

asym_sam3_cor_correction_rms vs Slug



Right In: 1828.155+/-0.409 χ^2/NDF: 2803771.6/21

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1894.757+/-0.403 χ^2/NDF: 3200566.1/26

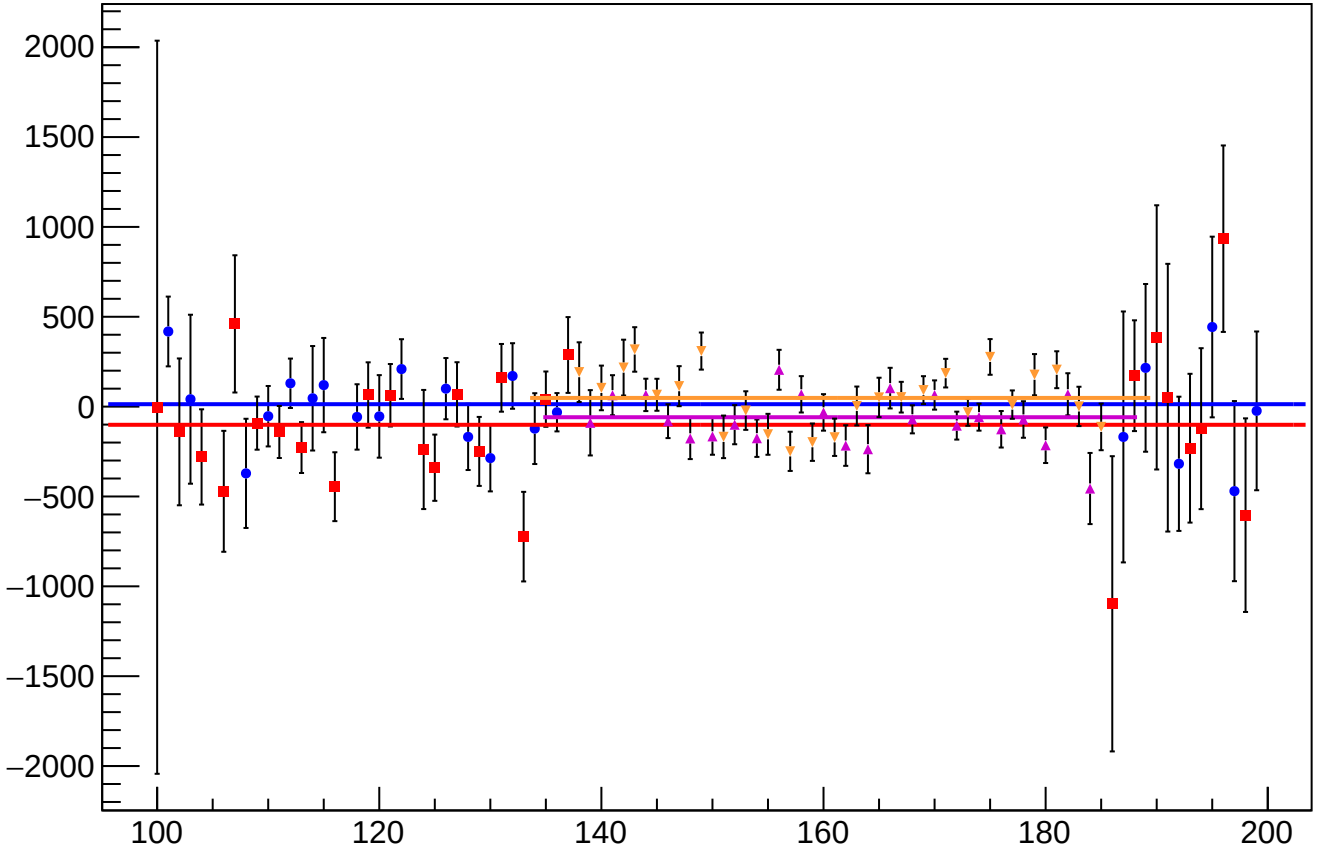
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 895.029+/-0.126 χ^2/NDF: 10987055.8/46

All: 896.146+/-0.090 χ^2/NDF: 23138458.2/96

- sign 897.288+/-0.128 χ^2/NDF: 12151244.1/49

eigen_cor_asym_sam3_mean vs Slug



Right In: 13.511+/-44.473 χ^2/NDF: 16.6/21

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -101.133+/-44.290 χ^2/NDF: 33.1/26

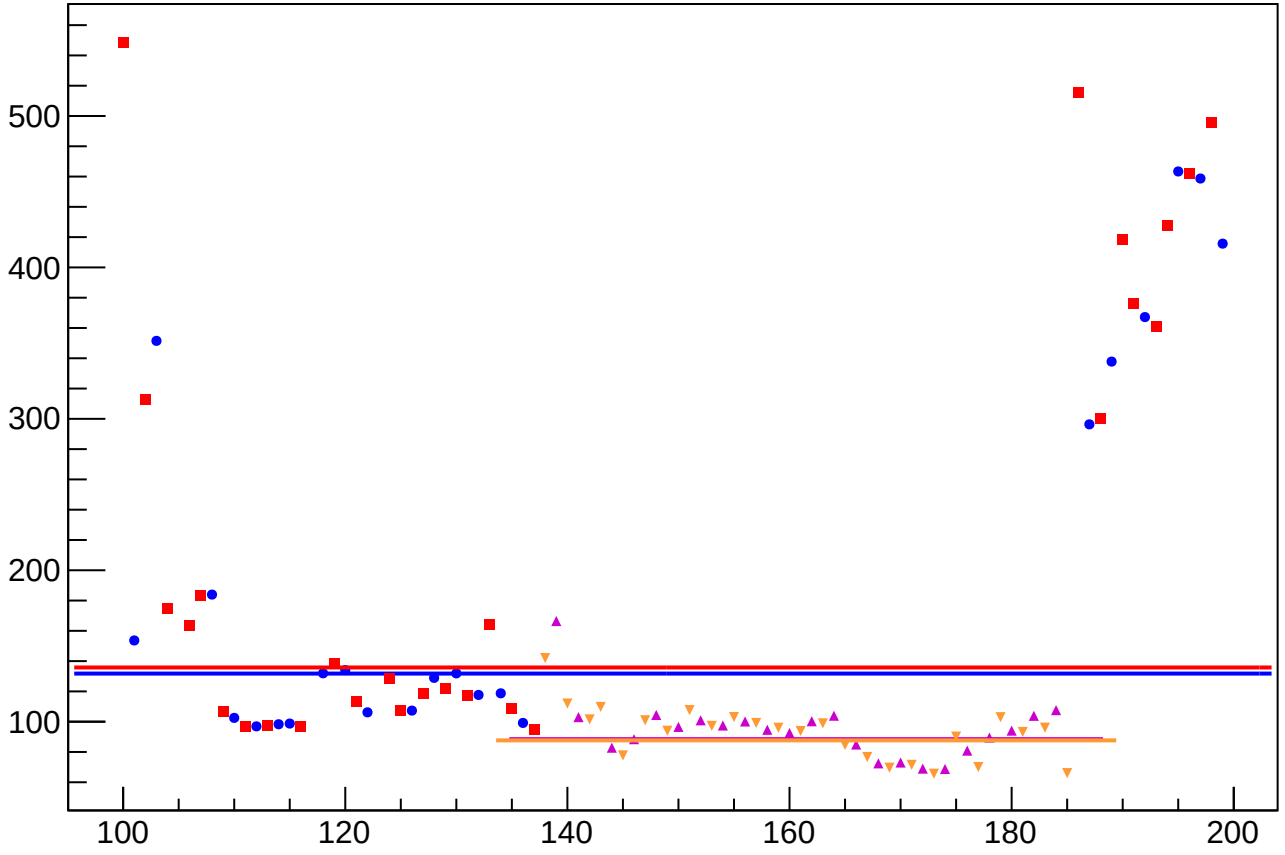
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.323+/-18.560 χ^2/NDF: 70.6/46

All: -10.721+/-13.307 χ^2/NDF: 151.9/96

- sign -66.841+/-19.090 χ^2/NDF: 64.5/49

eigen_cor_asym_sam3_rms vs Slug



Right In: 131.769+/-0.031 χ^2/NDF: 4908774.3/21

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

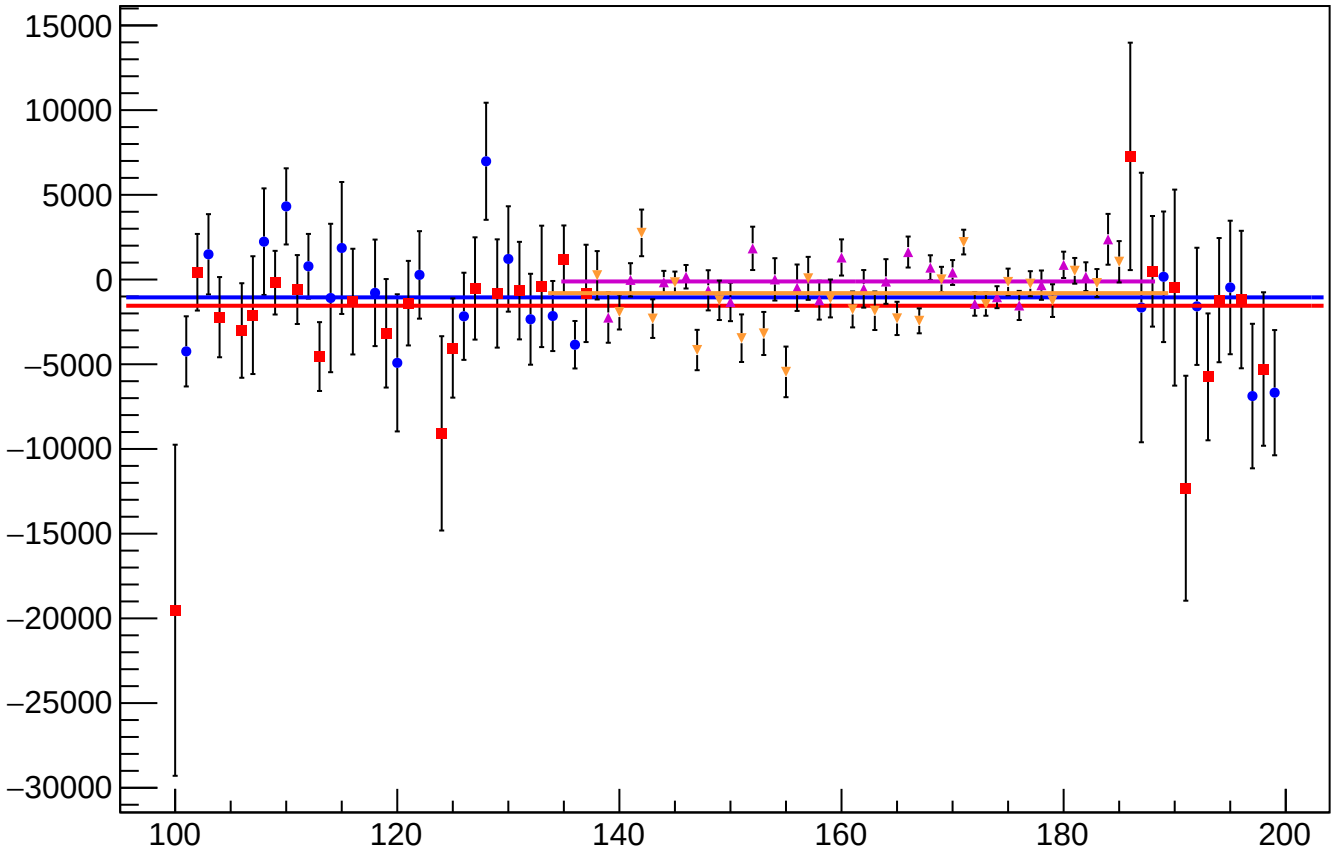
Right Out: 135.796+/-0.031 χ^2/NDF: 5912956.1/26

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 95.339+/-0.013 χ^2/NDF: 7747131.3/46

All: 96.278+/-0.009 χ^2/NDF: 16604678.3/96

- sign 97.272+/-0.013 χ^2/NDF: 8846996.5/49



Right In: -1051.980+/-577.873 χ^2/NDF: 27.9/21

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1546.737+/-570.494 χ^2/NDF: 19.2/26

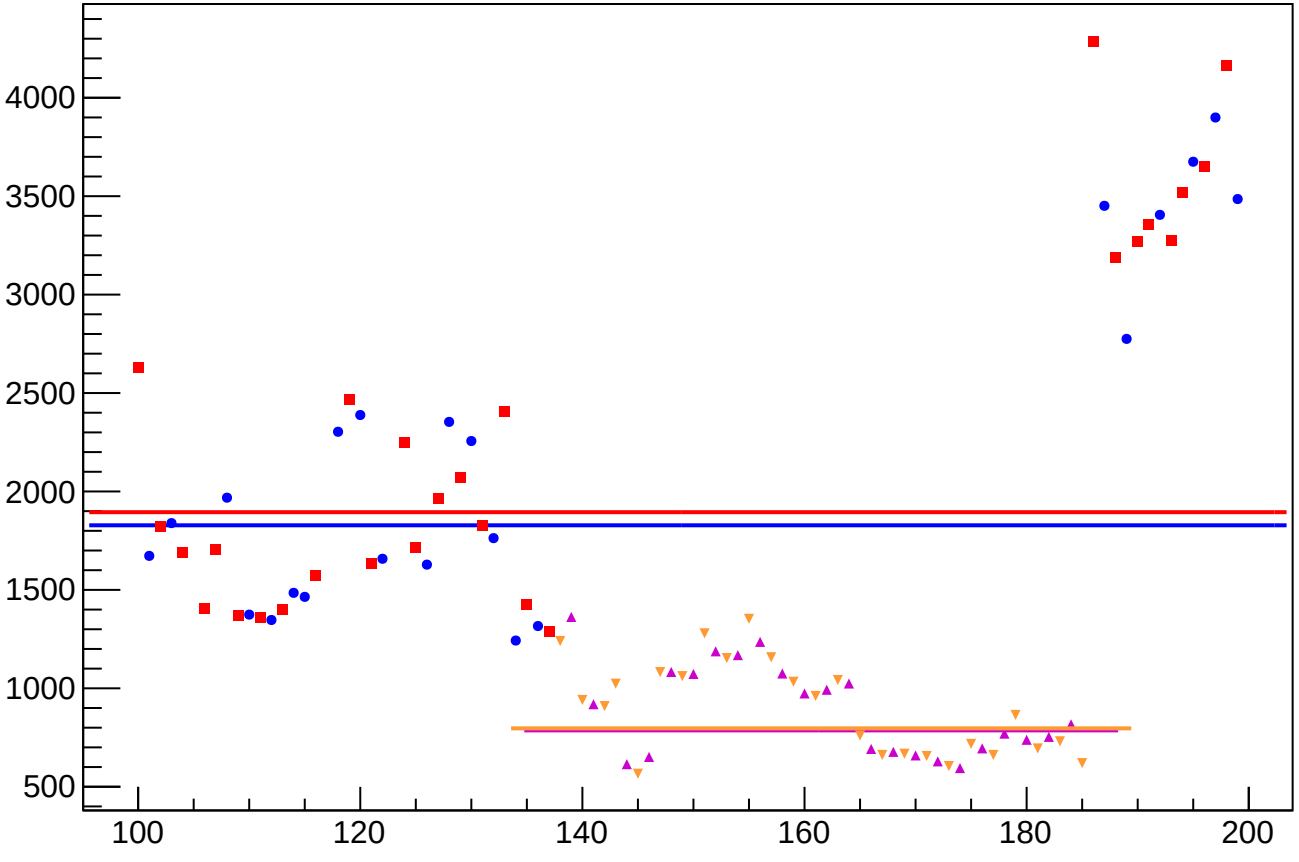
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -825.416+/-178.566 χ^2/NDF: 100.0/46

All: -543.793+/-126.942 χ^2/NDF: 157.0/96

- sign -256.052+/-180.496 χ^2/NDF: 52.0/49

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1828.155+/-0.409 χ^2/NDF: 2803771.6/21

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1894.757+/-0.403 χ^2/NDF: 3200566.1/26

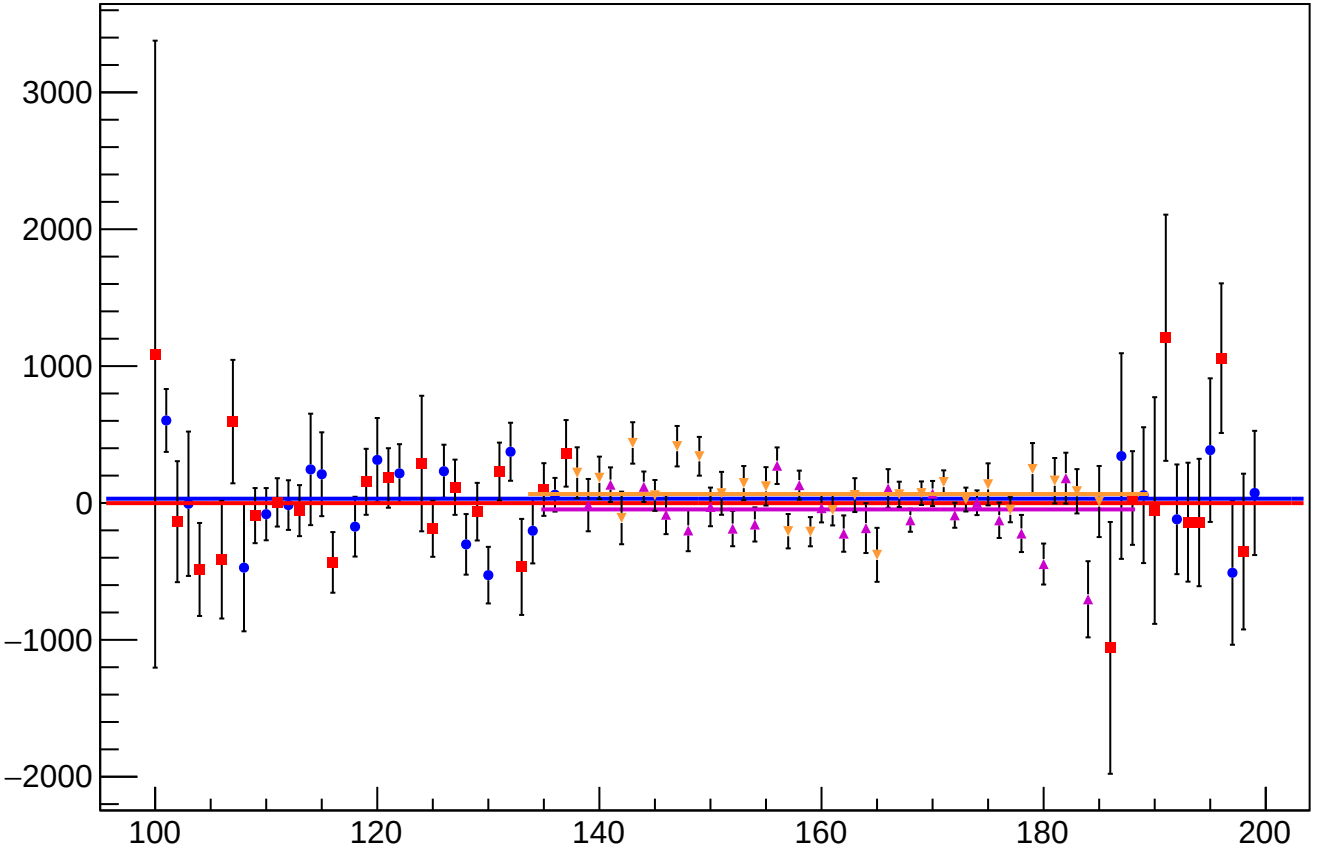
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 895.029+/-0.126 χ^2/NDF: 10987055.8/46

All: 896.146+/-0.090 χ^2/NDF: 23138458.2/96

- sign 897.288+/-0.128 χ^2/NDF: 12151244.1/49

dit_asym_sam3_mean vs Slug



Right In: 31.236+/-53.011 χ^2/NDF: 27.0/21

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -1.226+/-53.712 χ^2/NDF: 24.8/26

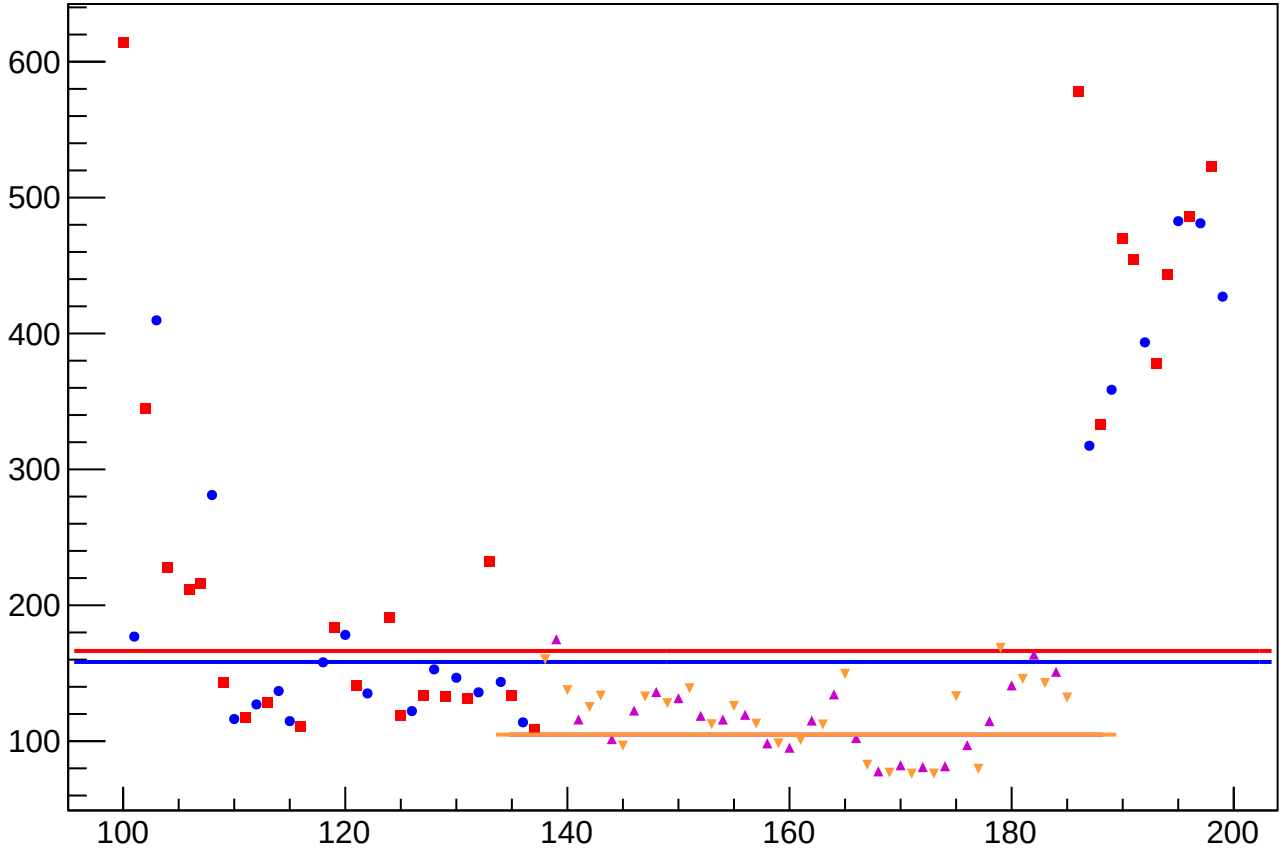
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 59.407+/-22.655 χ^2/NDF: 67.4/46

All: 11.571+/-16.202 χ^2/NDF: 140.5/96

- sign -38.506+/-23.180 χ^2/NDF: 64.0/49

dit_asym_sam3_rms vs Slug



Right In: 158.288+/-0.037 χ^2/NDF: 4532871.2/21

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 166.389+/-0.038 χ^2/NDF: 5452994.2/26

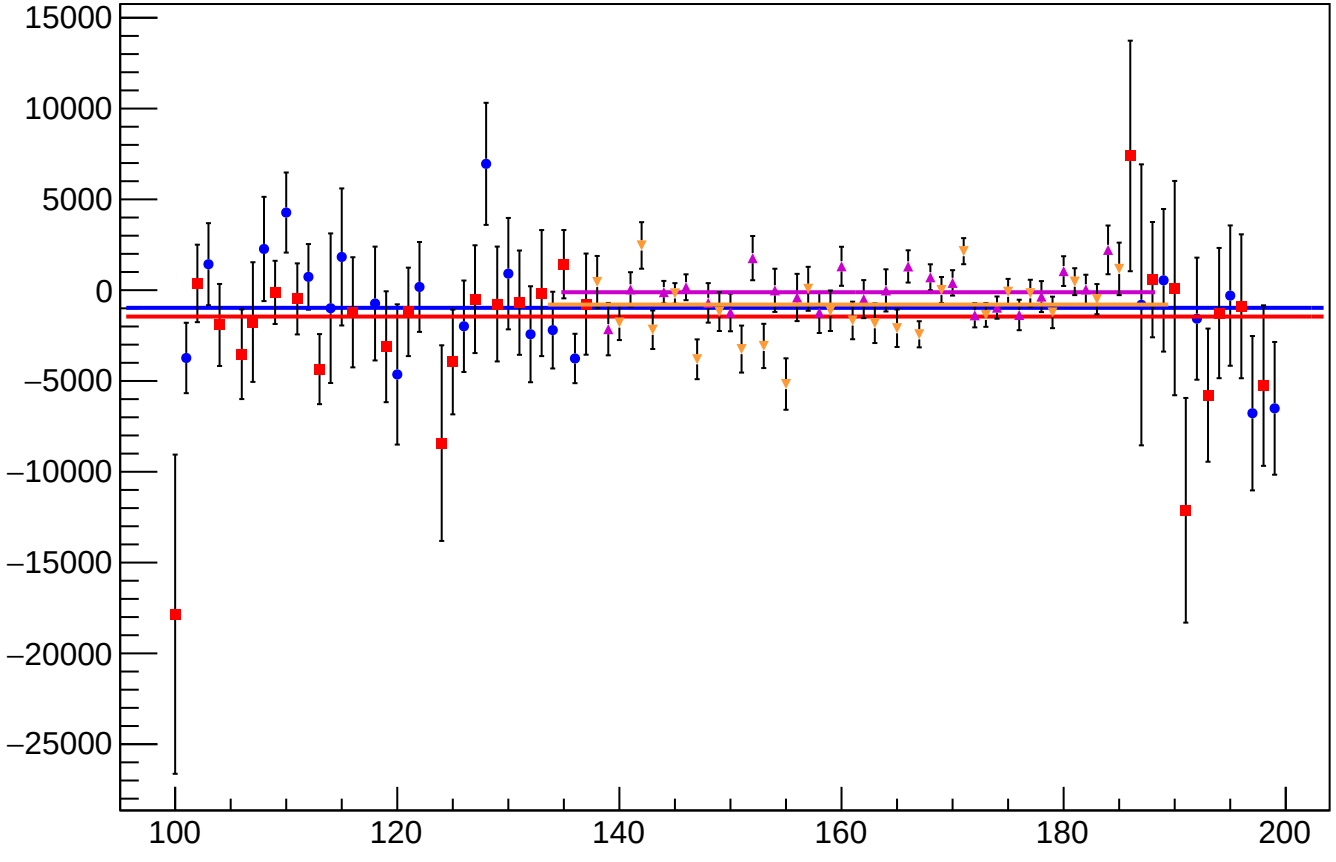
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 114.578+/-0.016 χ^2/NDF: 8439284.9/46

All: 115.419+/-0.011 χ^2/NDF: 17649864.3/96

- sign 116.299+/-0.016 χ^2/NDF: 9204939.1/49

asym_sam3_dit_correction_mean vs Slug



Right In: -972.634+/-560.393 χ^2/NDF: 28.0/21

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1453.336+/-545.554 χ^2/NDF: 21.1/26

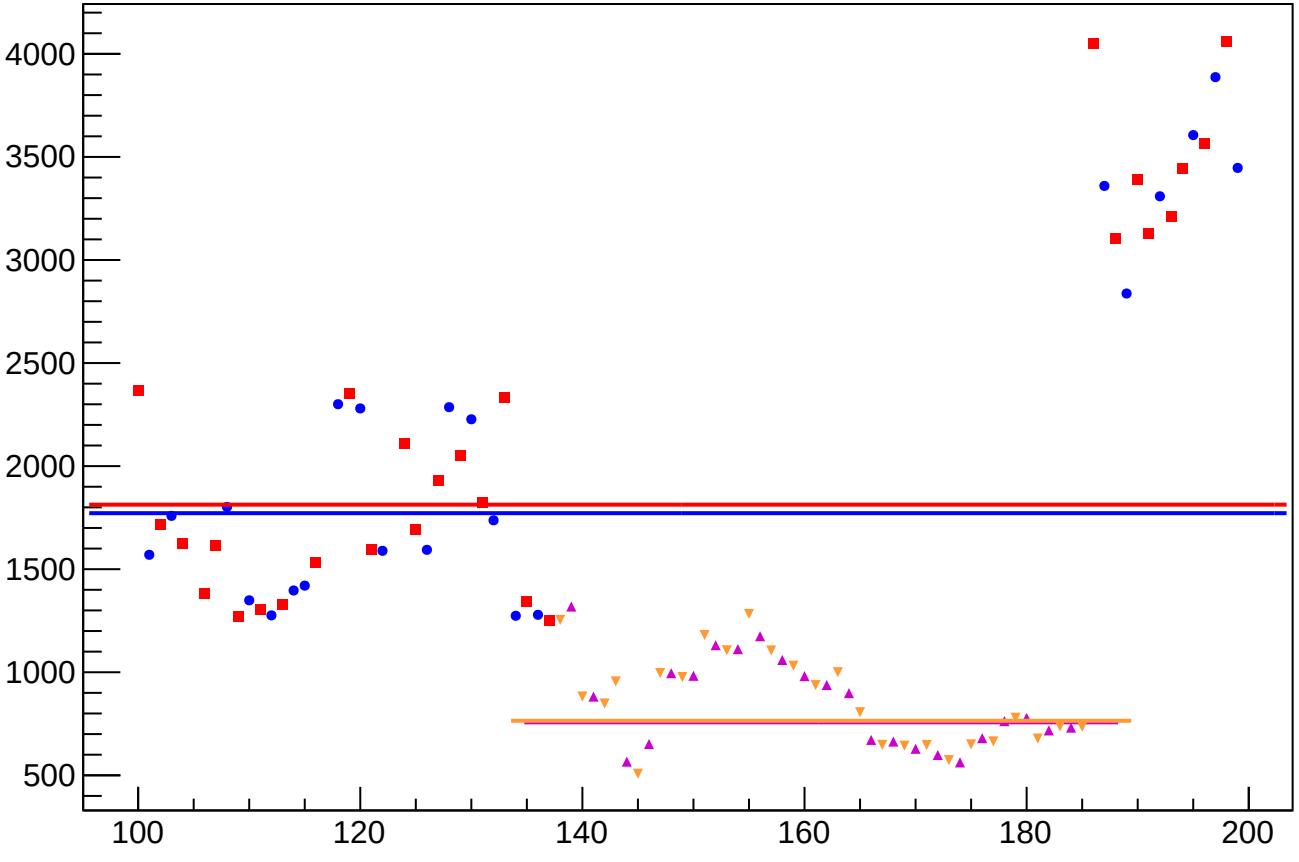
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -809.846+/-171.287 χ^2/NDF: 98.1/46

All: -533.361+/-121.930 χ^2/NDF: 156.2/96

- sign -249.339+/-173.606 χ^2/NDF: 52.8/49

asym_sam3_dit_correction_rms vs Slug



Right In: 1771.716+/-0.396 χ^2/NDF: 2873767.2/21

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1813.106+/-0.386 χ^2/NDF: 3344989.9/26

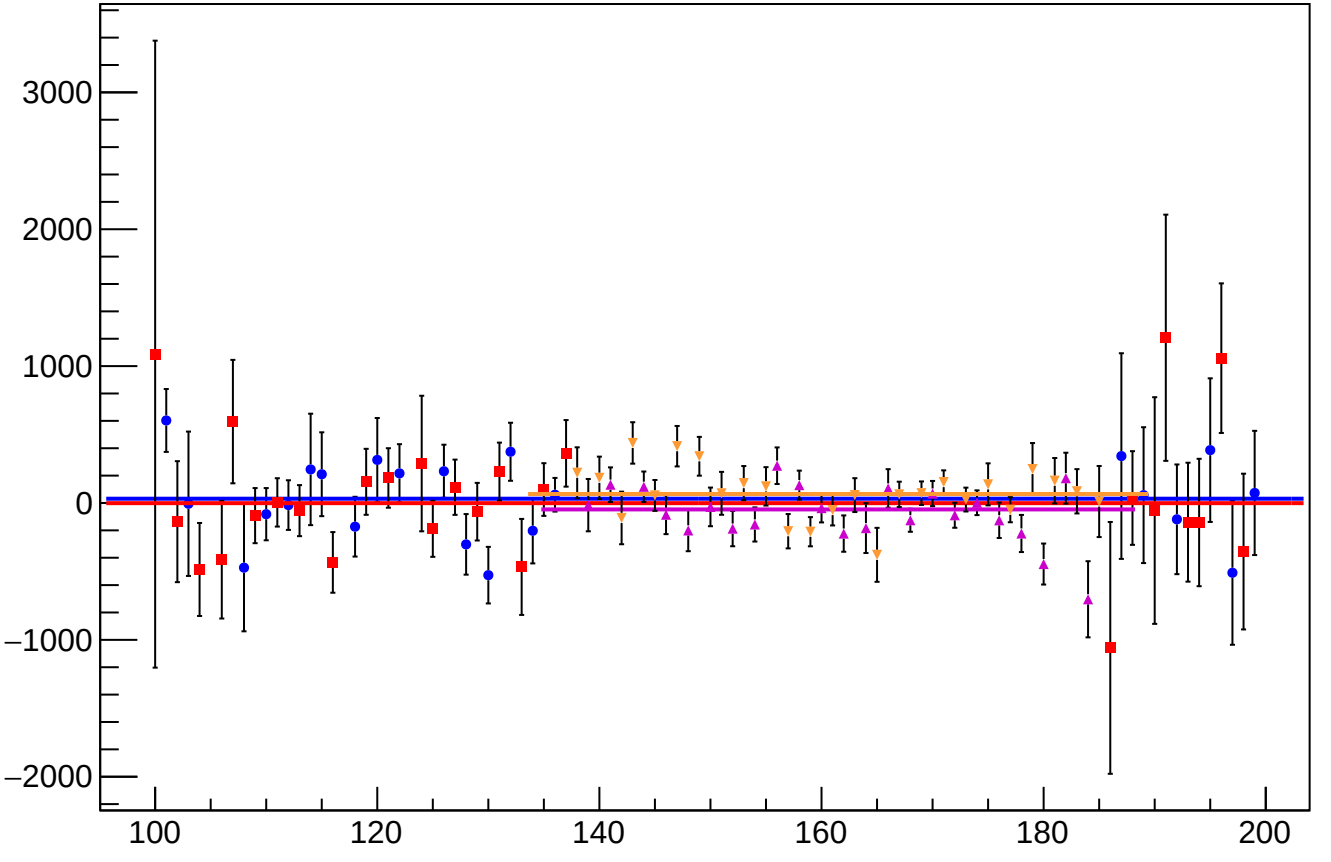
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

\+ sign 858.812+/-0.121 χ^2/NDF: 11153846.7/46

All: 861.311+/-0.086 χ^2/NDF: 23351915.1/96

\- sign 863.880+/-0.123 χ^2/NDF: 12197204.8/49

eigen_dit_asym_sam3_mean vs Slug



Right In: 31.235+/-53.011 χ^2/NDF: 27.0/21

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -1.222+/-53.712 χ^2/NDF: 24.8/26

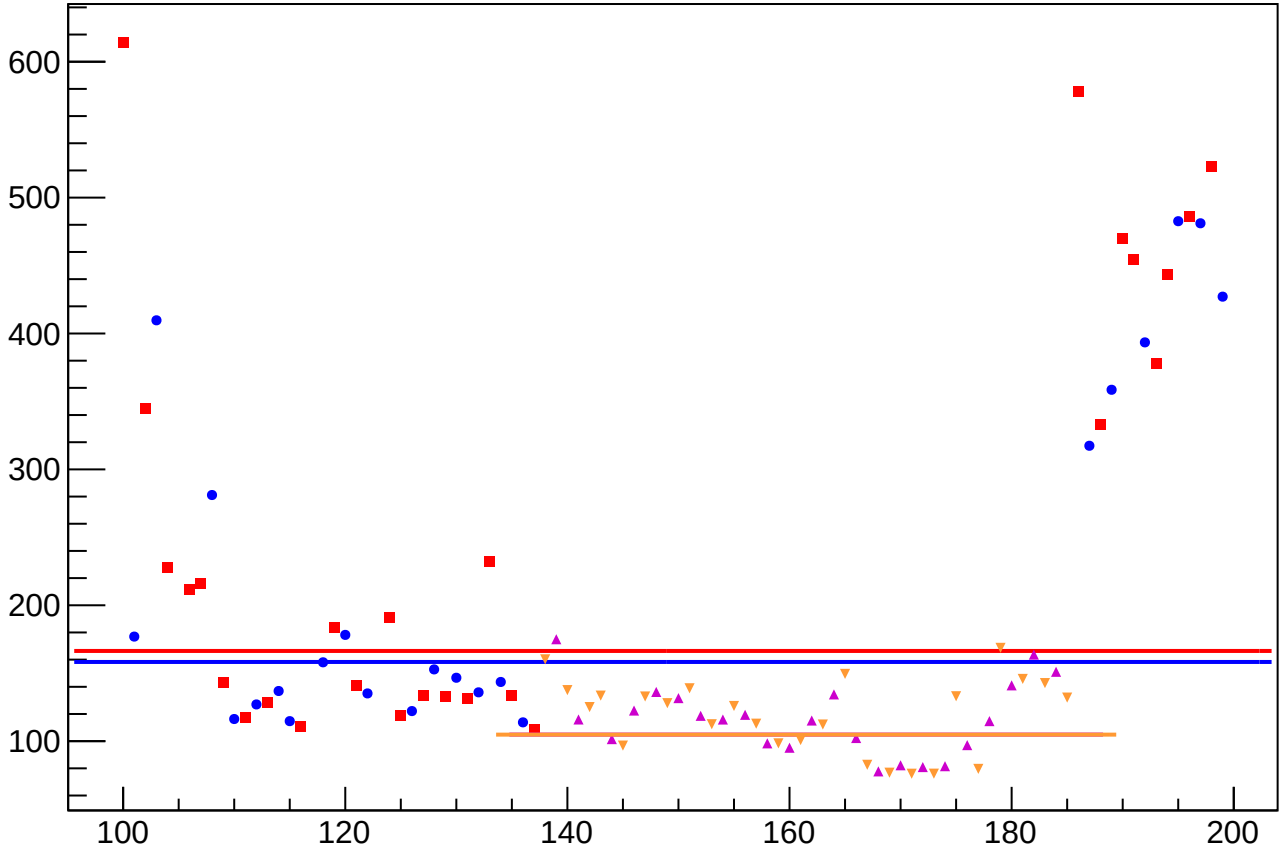
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 59.407+/-22.656 χ^2/NDF: 67.4/46

All: 11.572+/-16.202 χ^2/NDF: 140.5/96

- sign -38.505+/-23.180 χ^2/NDF: 64.0/49

eigen_dit_asym_sam3_rms vs Slug



Right In: 158.288+/-0.037 χ^2/NDF: 4532869.7/21

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 166.390+/-0.038 χ^2/NDF: 5452989.0/26

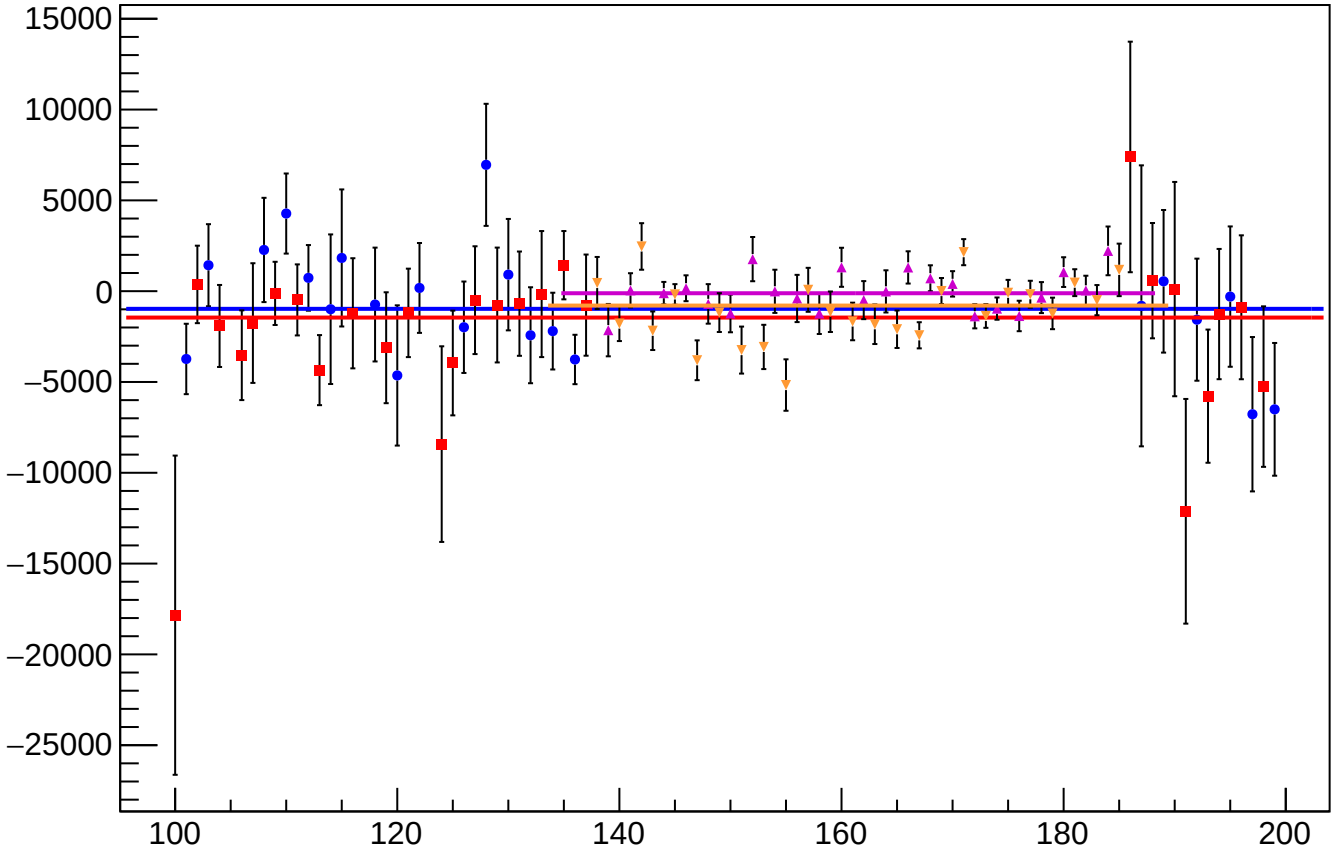
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 114.578+/-0.016 χ^2/NDF: 8439295.8/46

All: 115.419+/-0.011 χ^2/NDF: 17649883.5/96

- sign 116.299+/-0.016 χ^2/NDF: 9204947.4/49

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -972.632+/-560.392 χ^2/NDF: 28.0/21

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1453.335+/-545.553 χ^2/NDF: 21.1/26

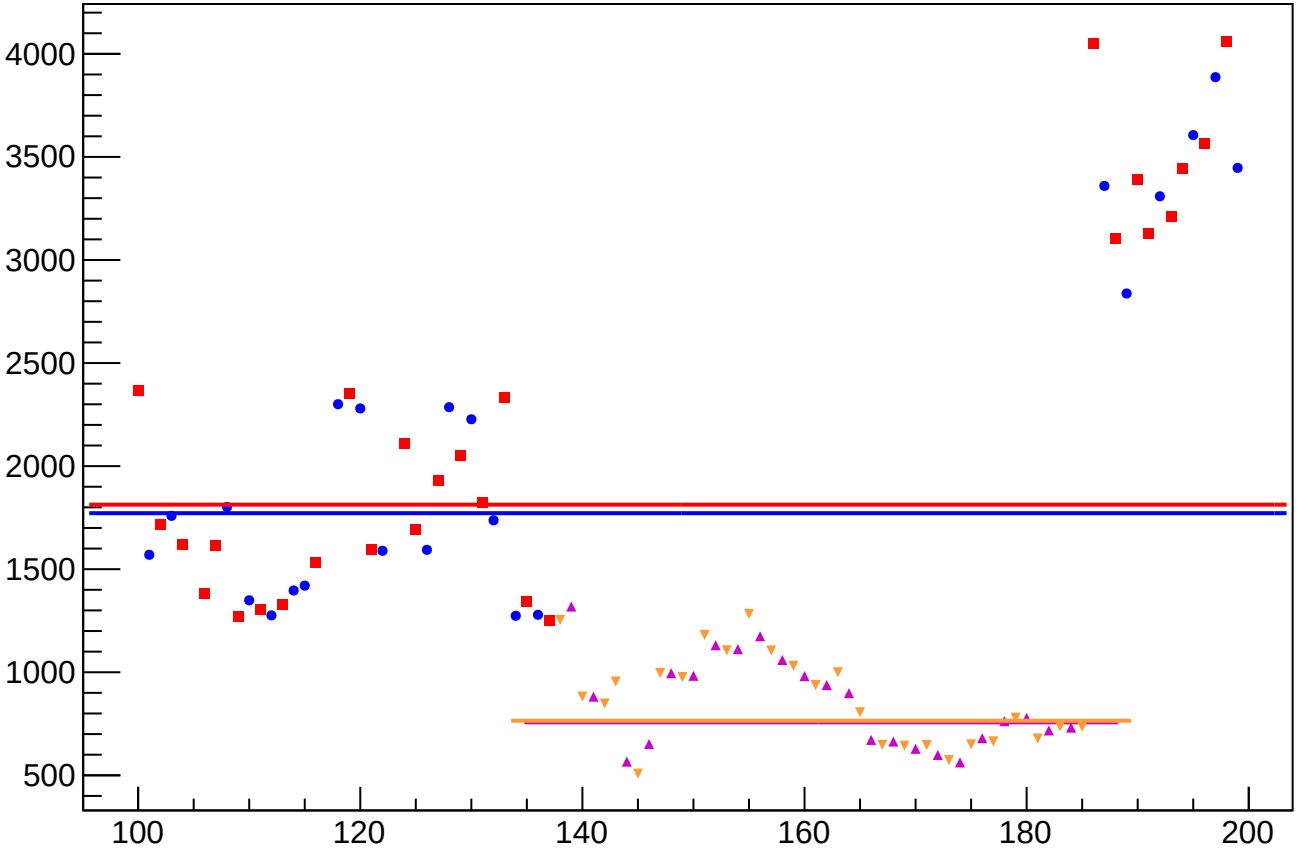
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -809.847+/-171.287 χ^2/NDF: 98.1/46

All: -533.361+/-121.930 χ^2/NDF: 156.2/96

- sign -249.339+/-173.606 χ^2/NDF: 52.8/49

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1771.714+/-0.396 χ^2/NDF: 2873765.3/21

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1813.104+/-0.386 χ^2/NDF: 3344989.8/26

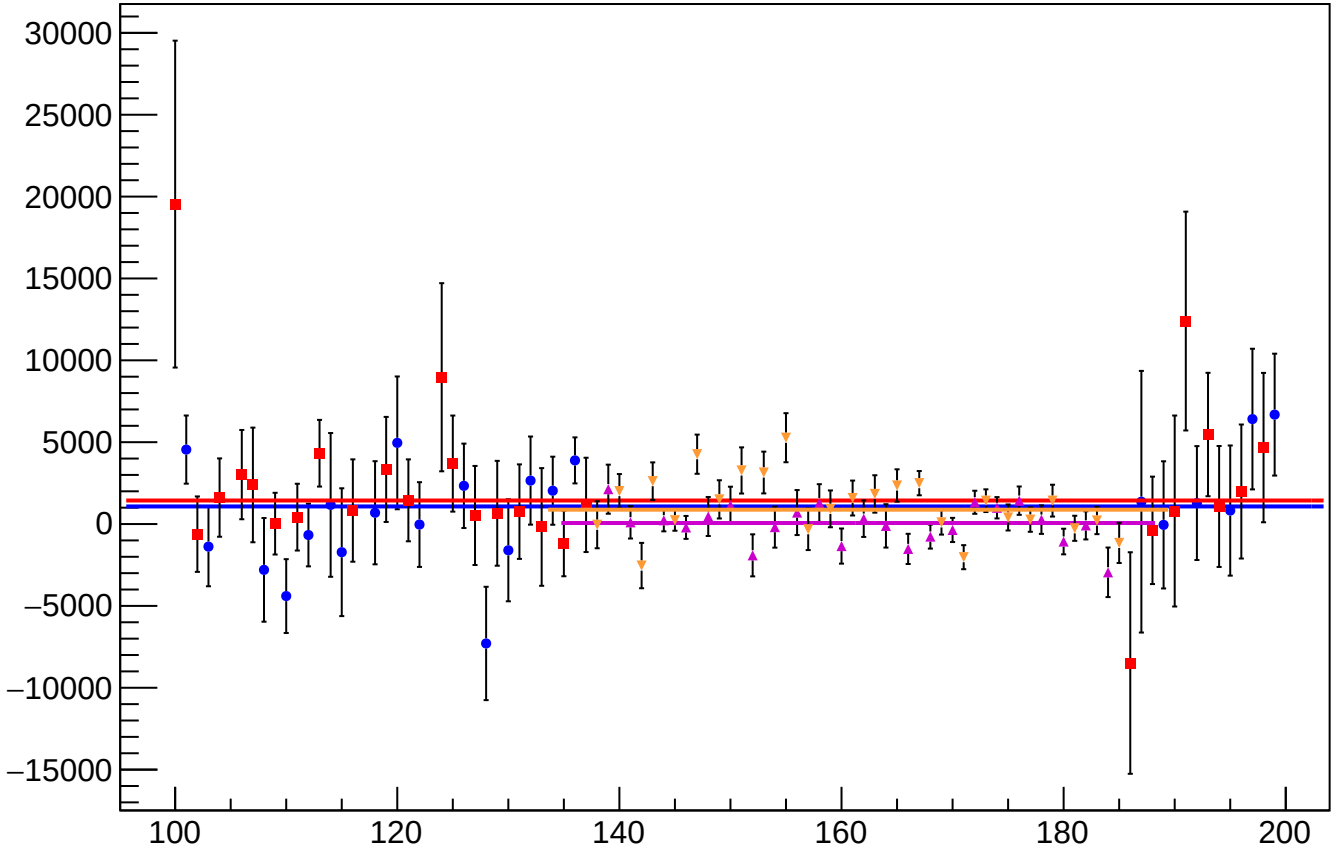
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 858.811+/-0.121 χ^2/NDF: 11153836.0/46

All: 861.311+/-0.086 χ^2/NDF: 23351893.4/96

- sign 863.879+/-0.123 χ^2/NDF: 12197193.7/49

asym_sam3_mean vs Slug



Right In: 1074.783+/-580.655 χ^2/NDF: 29.0/21

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1437.969+/-572.631 χ^2/NDF: 19.0/26

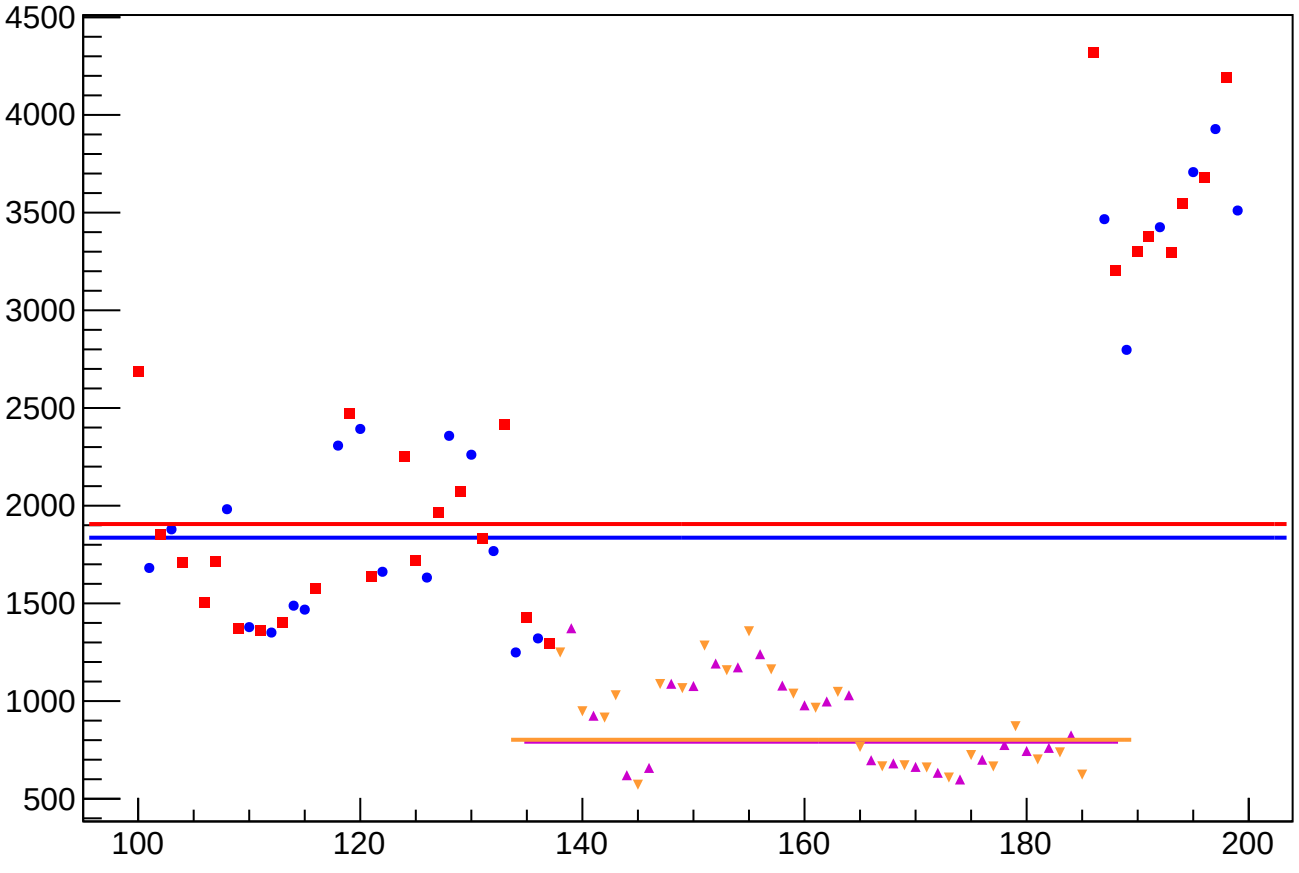
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 895.479+/-179.718 χ^2/NDF: 96.3/46

All: 552.143+/-127.773 χ^2/NDF: 155.0/96

- sign 201.209+/-181.696 χ^2/NDF: 51.3/49

asym_sam3_rms vs Slug



Right In: 1836.258+/-0.411 χ^2/NDF: 2818743.6/21

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1906.081+/-0.405 χ^2/NDF: 3200763.3/26

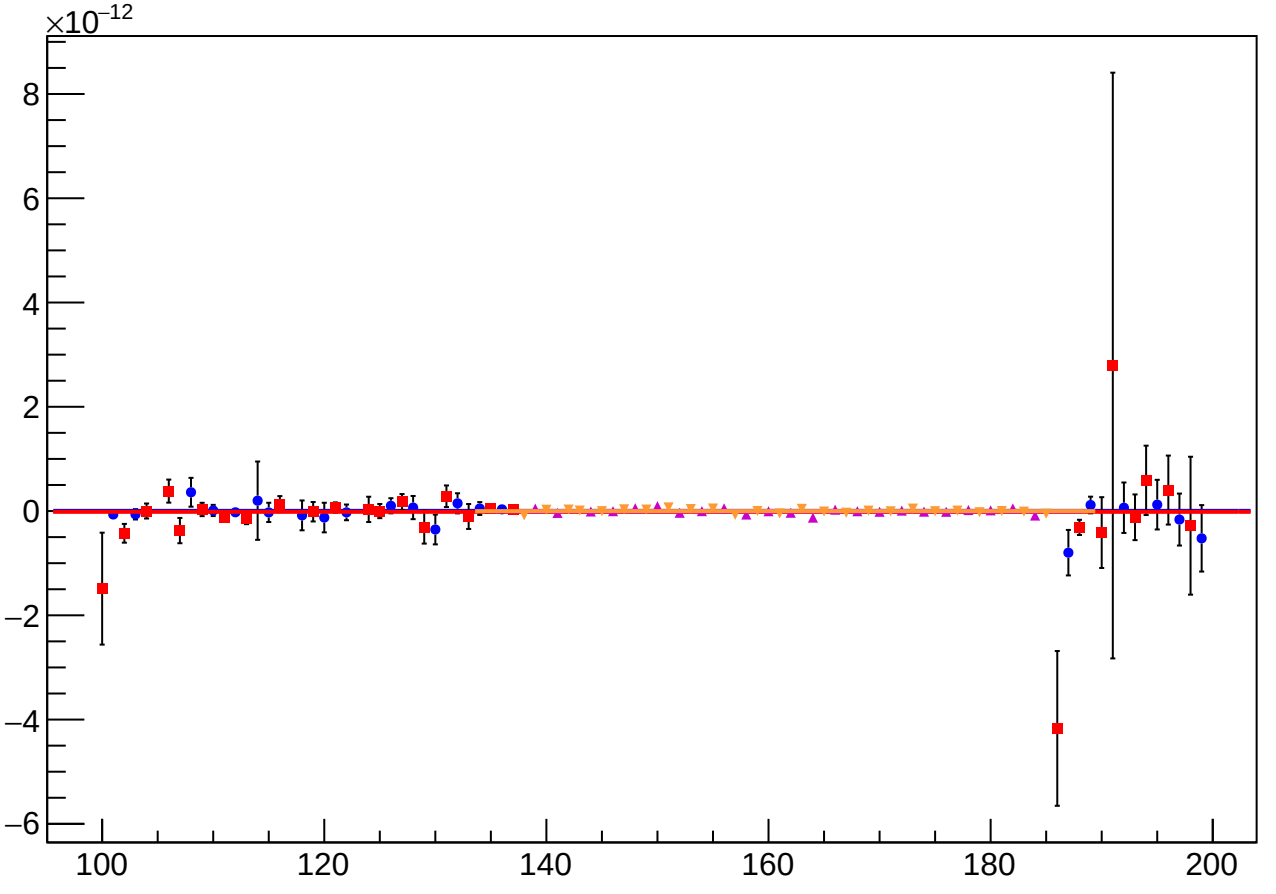
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 901.090+/-0.127 χ^2/NDF: 10952055.8/46

All: 902.638+/-0.090 χ^2/NDF: 23096101.2/96

- sign 904.219+/-0.128 χ^2/NDF: 12143745.6/49

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

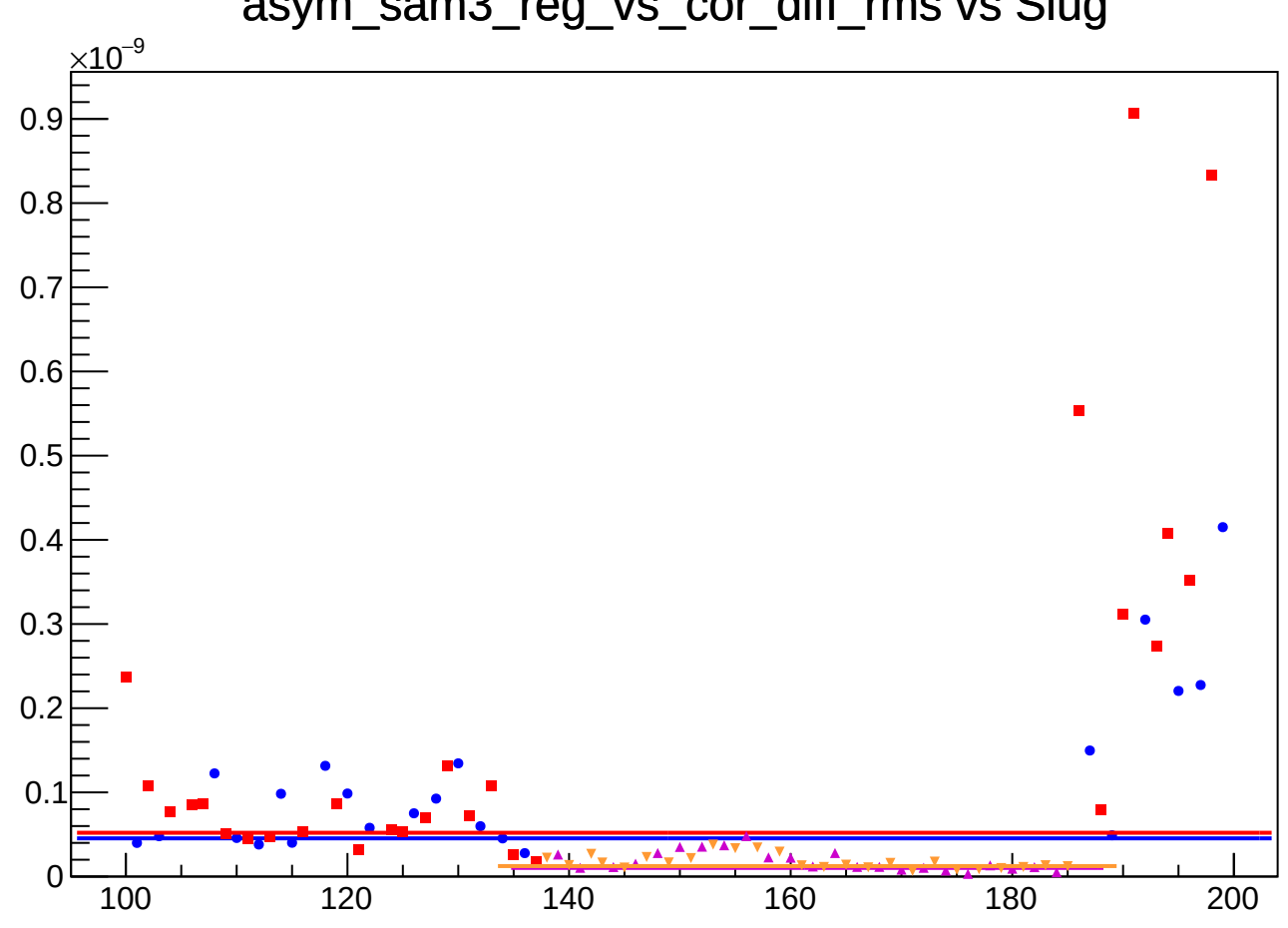
Right Out: -0.000+/-0.000 χ^2/NDF: 37.6/26

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.6/46

All: -0.000+/-0.000 χ^2/NDF: 105.4/96

- sign -0.000+/-0.000 χ^2/NDF: 69.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 3076805.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4292632.6/26

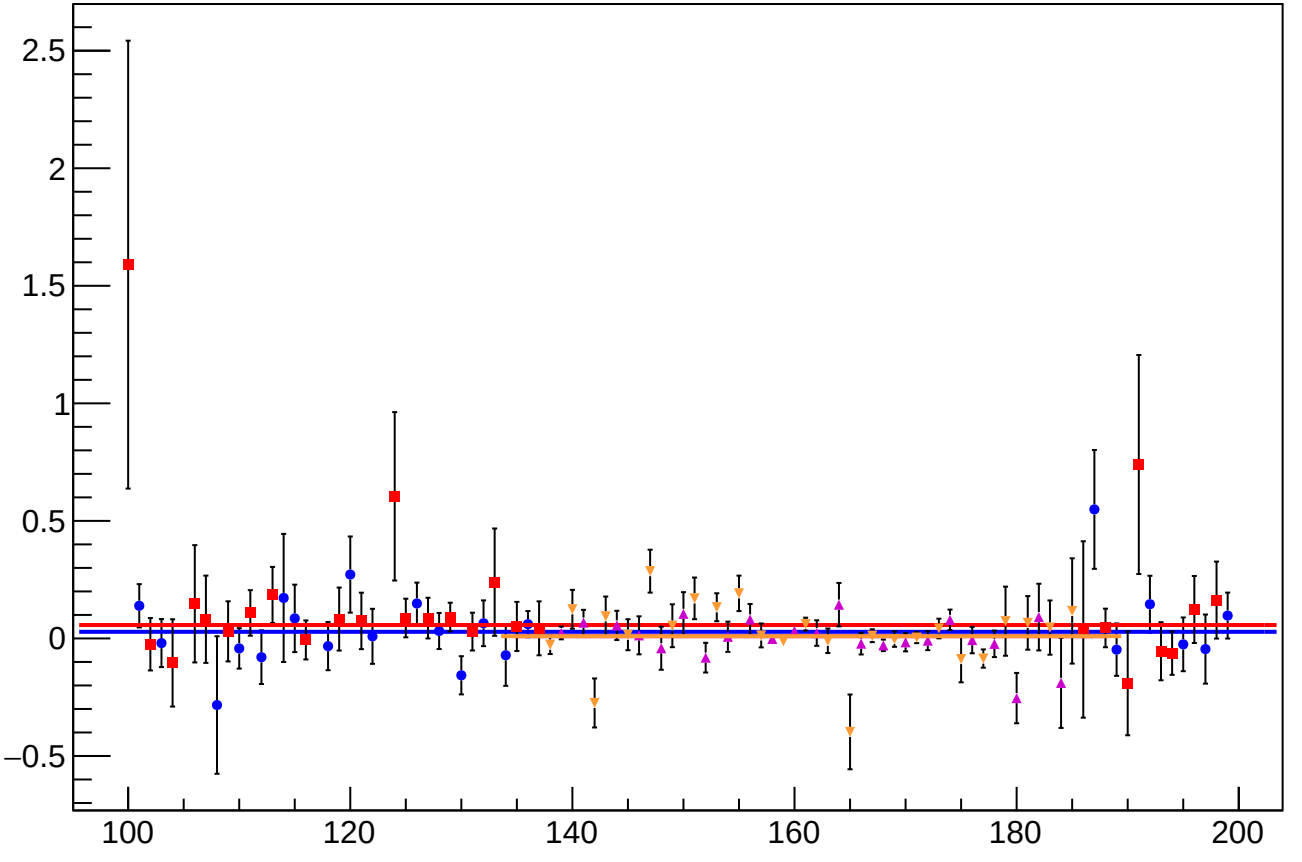
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8216231.5/46

All: 0.000+/-0.000 χ^2/NDF: 20281994.3/96

- sign 0.000+/-0.000 χ^2/NDF: 11861887.2/49

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.022 χ^2/NDF: 16.4/26

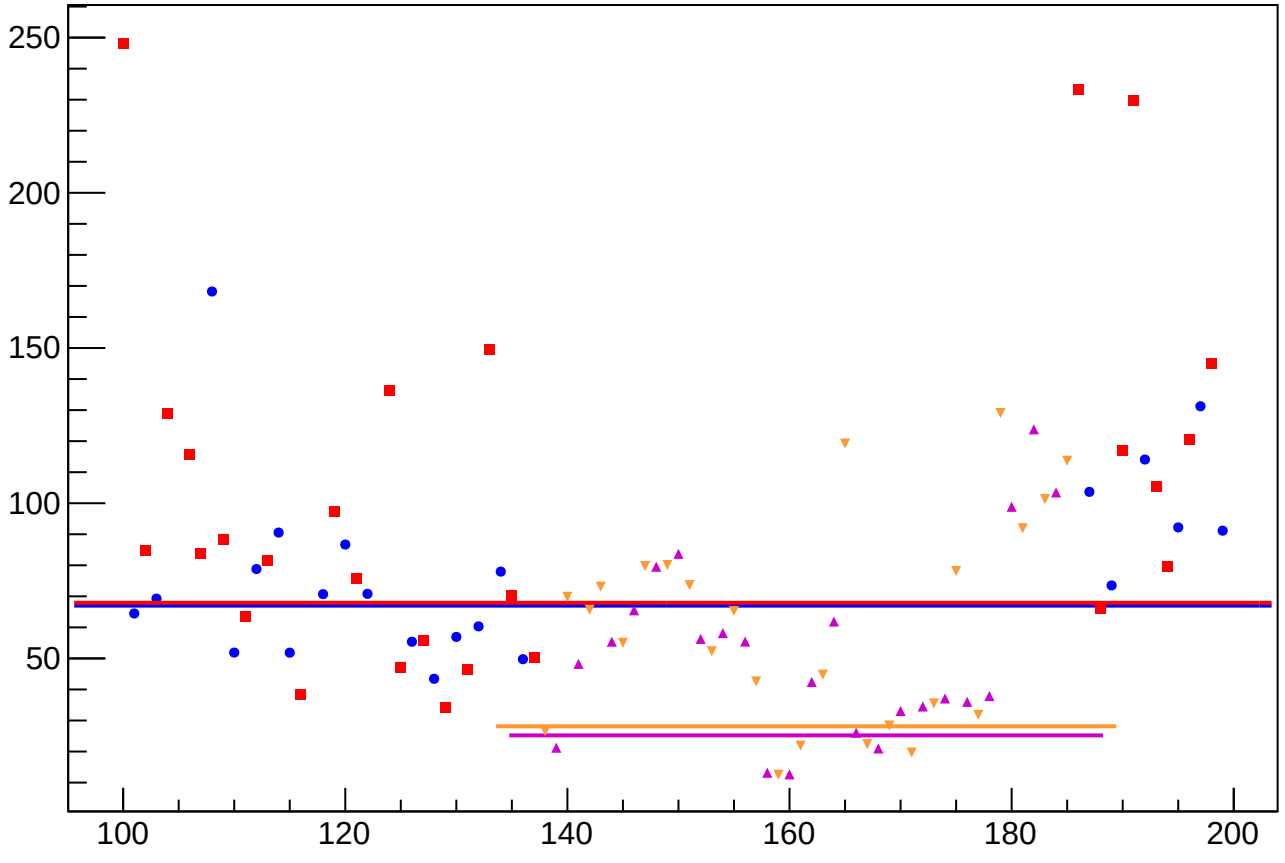
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 77.4/46

All: 0.013+/-0.005 χ^2/NDF: 123.1/96

- sign 0.015+/-0.007 χ^2/NDF: 45.6/49

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 67.014+/-0.016 χ^2/NDF: 1818804.3/21

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 67.921+/-0.016 χ^2/NDF: 3822097.1/26

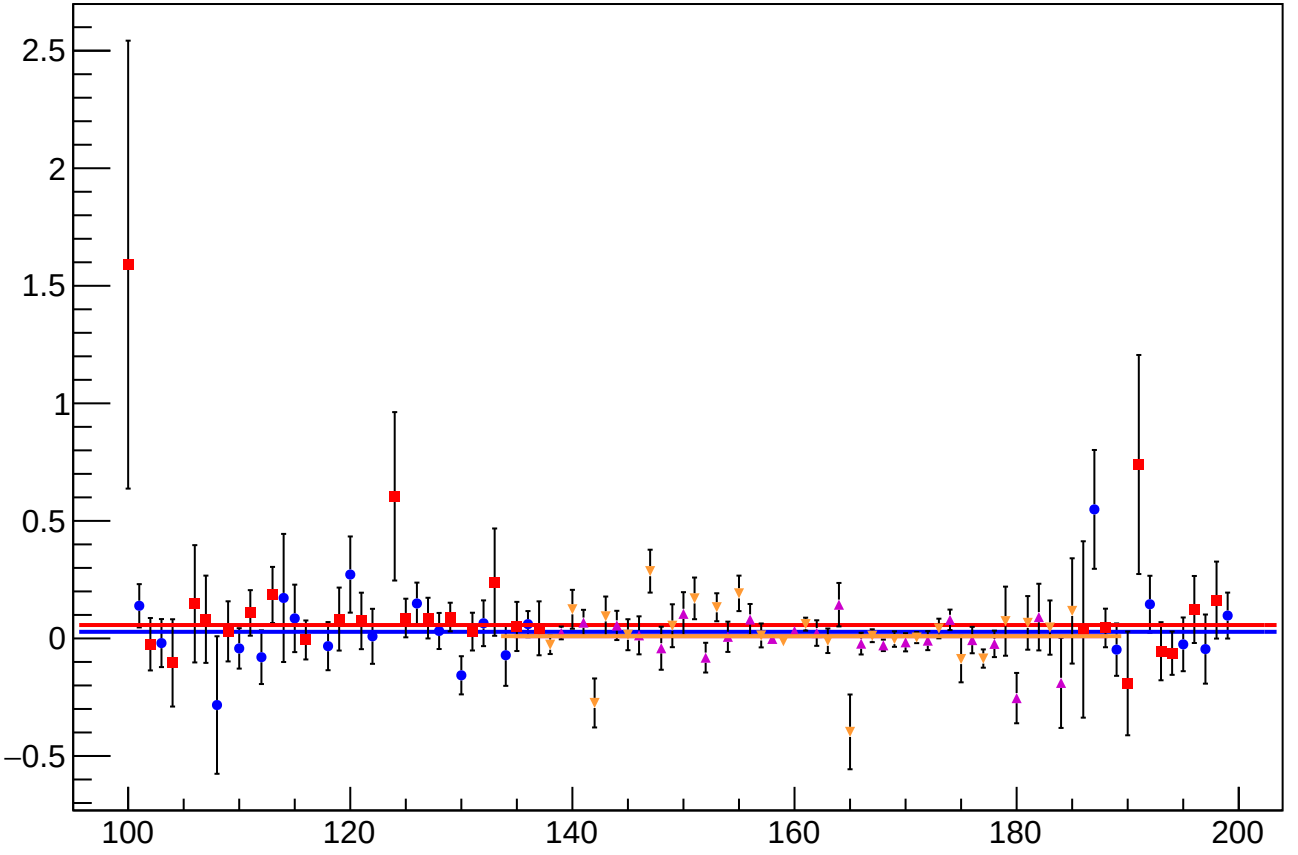
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 33.089+/-0.006 χ^2/NDF: 18254540.7/46

All: 31.459+/-0.004 χ^2/NDF: 38730566.3/96

- sign 30.004+/-0.005 χ^2/NDF: 20315037.8/49

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.022 χ^2/NDF: 16.4/26

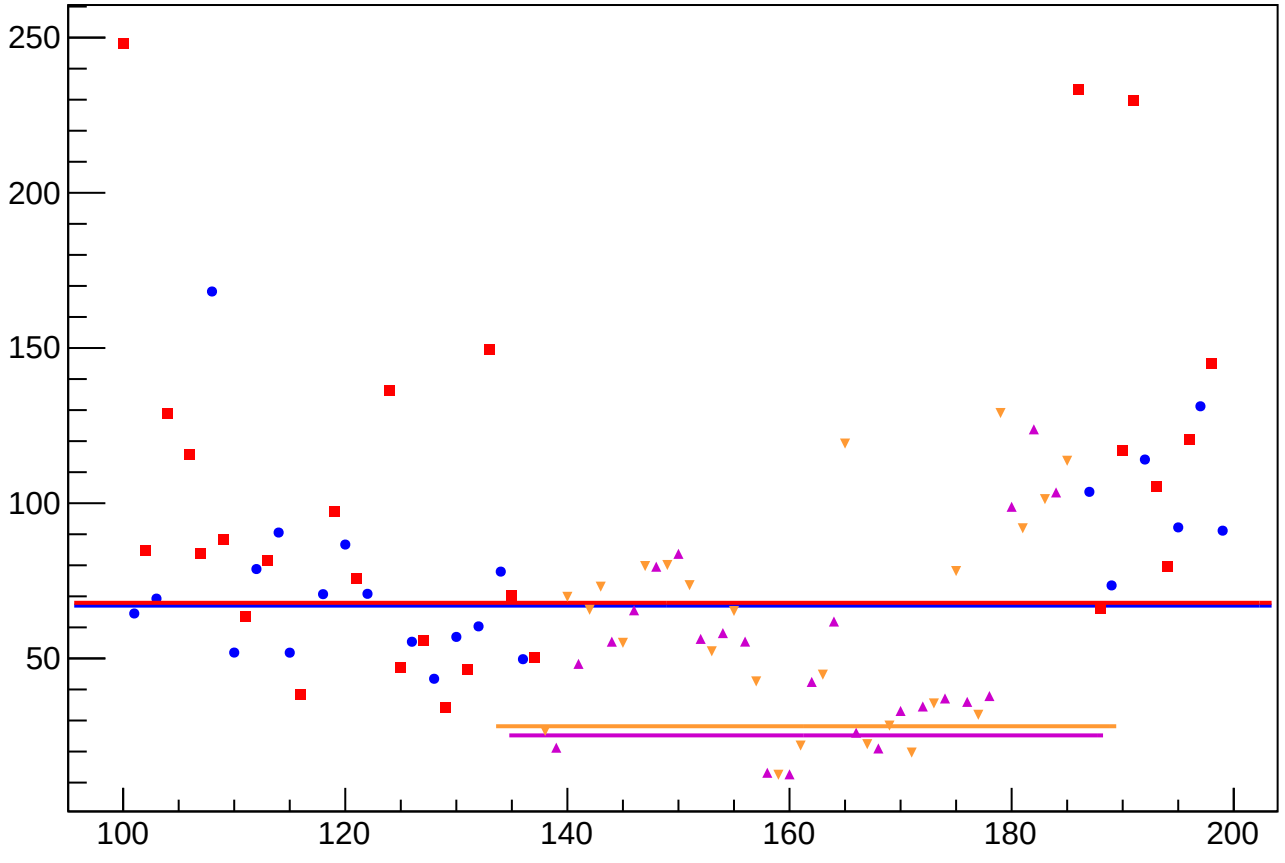
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 77.4/46

All: 0.013+/-0.005 χ^2/NDF: 123.1/96

- sign 0.015+/-0.007 χ^2/NDF: 45.6/49

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.014+/-0.016 χ^2/NDF: 1818804.3/21

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 67.921+/-0.016 χ^2/NDF: 3822097.1/26

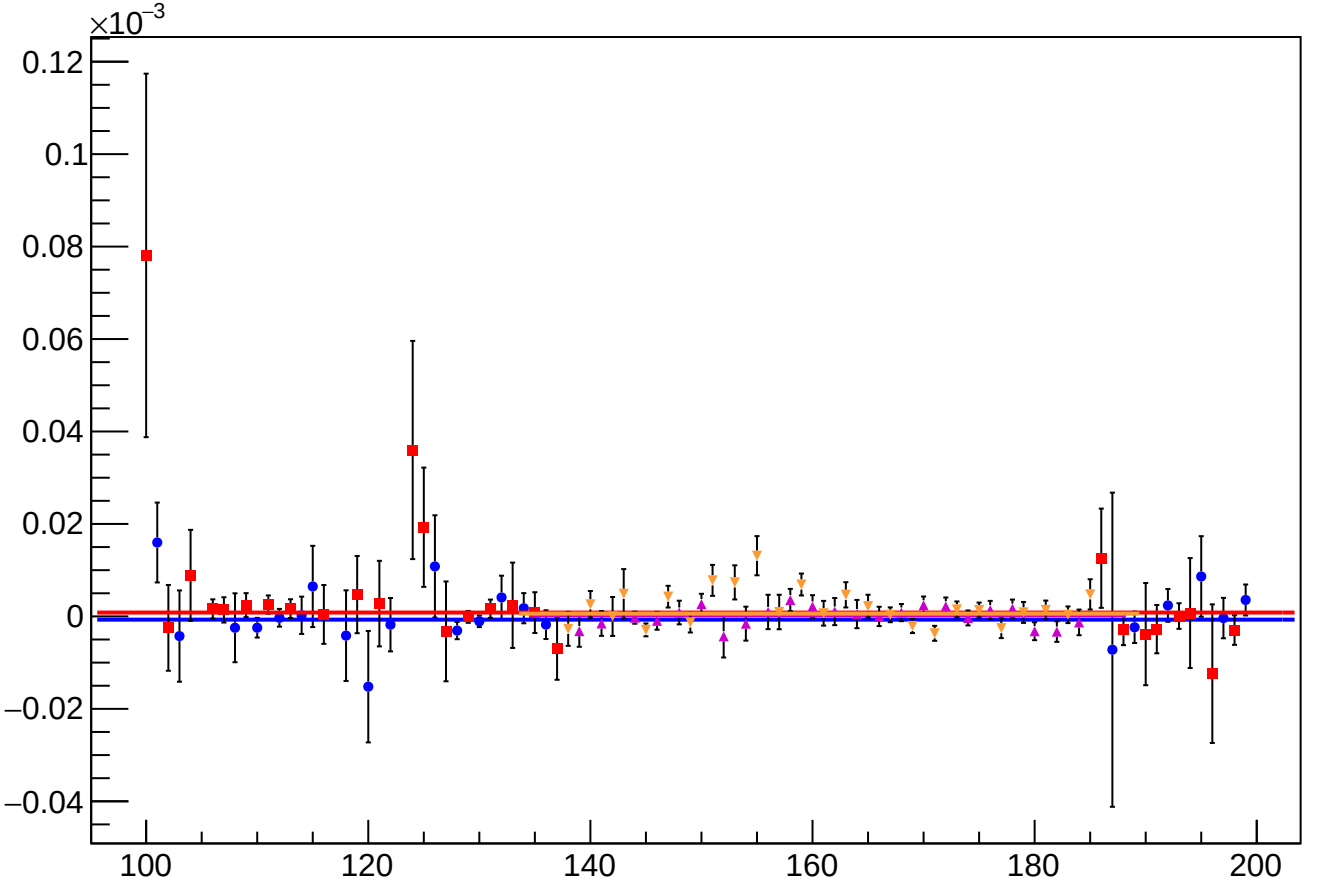
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 33.089+/-0.006 χ^2/NDF: 18254540.7/46

All: 31.459+/-0.004 χ^2/NDF: 38730566.3/96

- 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: 15.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/26

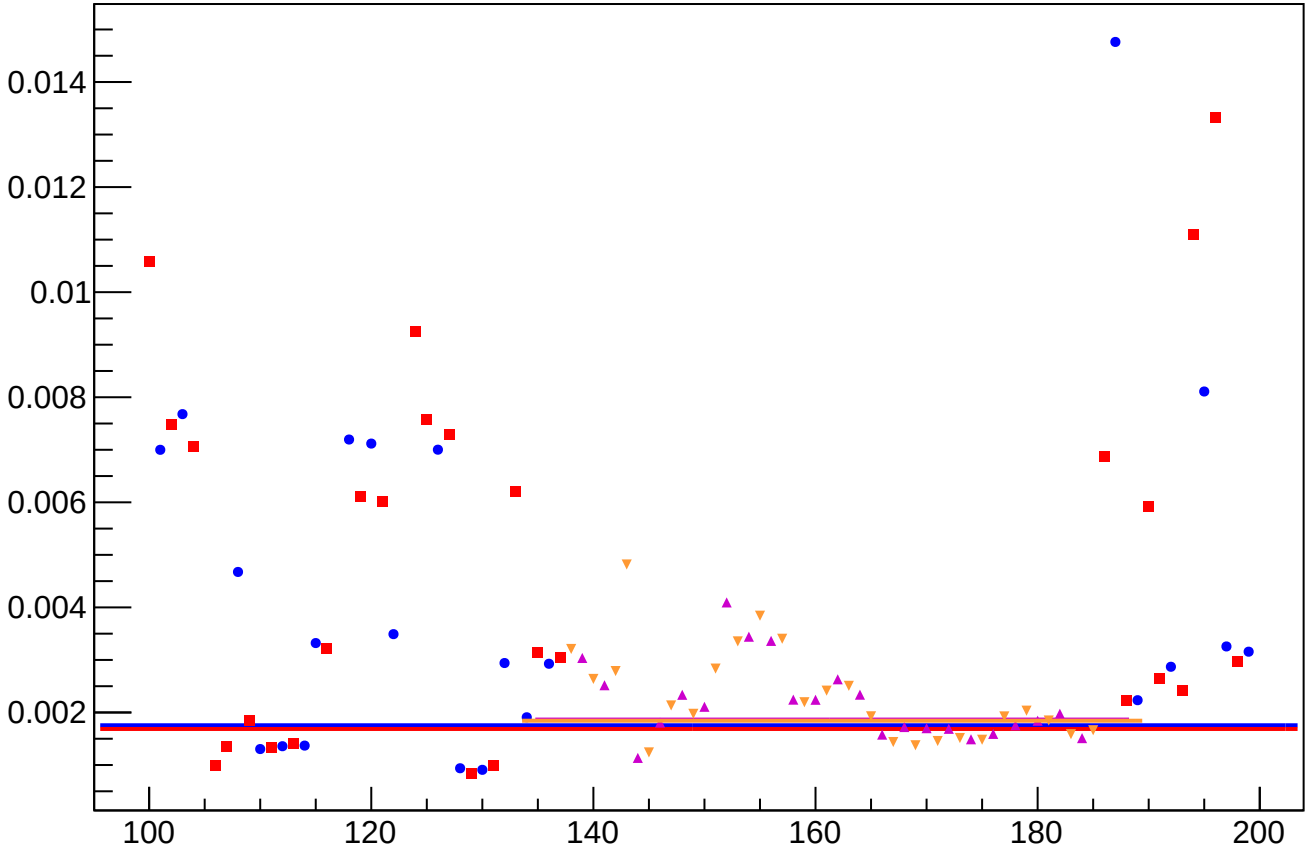
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.2/46

All: 0.000+/-0.000 χ^2/NDF: 105.7/96

- 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: 7561343.1/21

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9834215.3/26

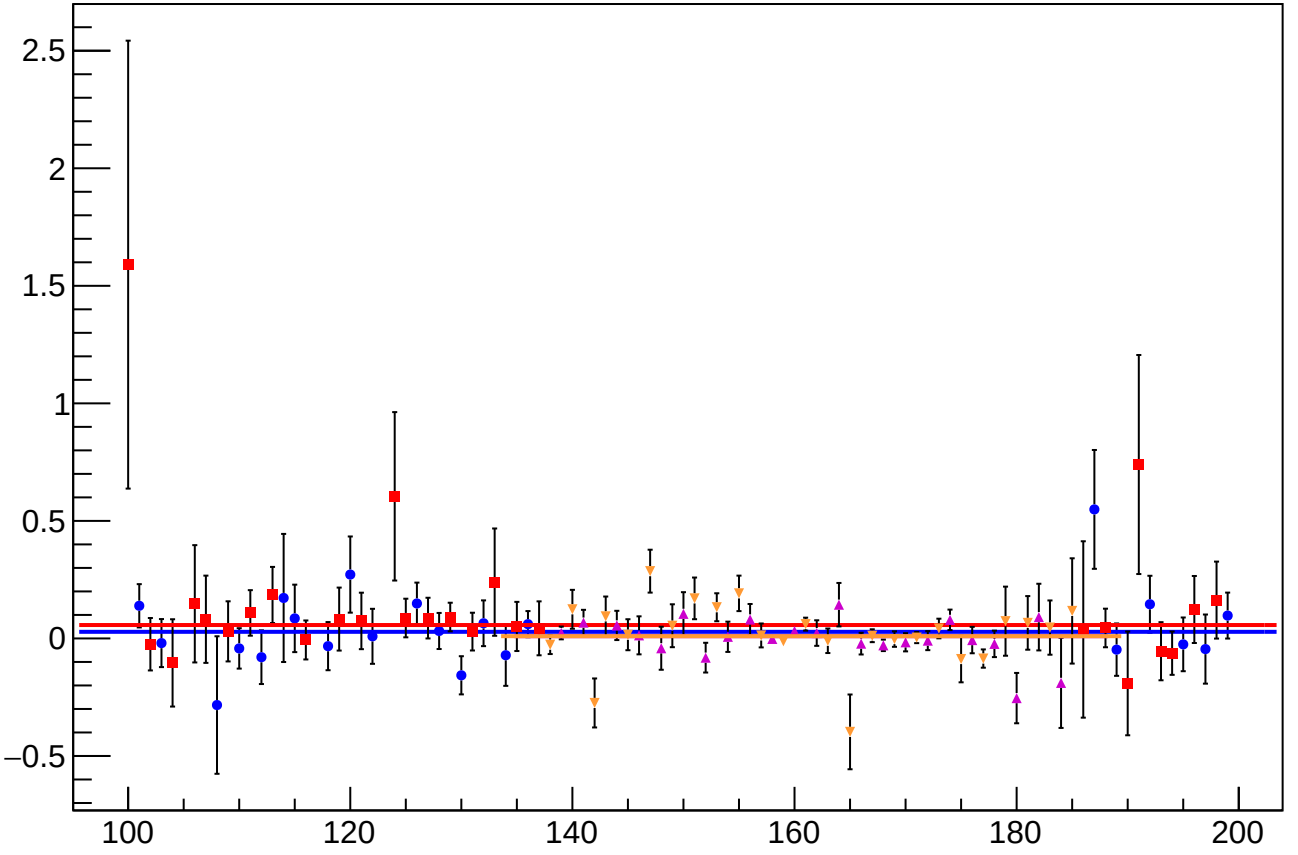
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 11367215.5/46

All: 0.002+/-0.000 χ^2/NDF: 24099652.0/96

- sign 0.002+/-0.000 χ^2/NDF: 12731232.5/49

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.022 χ^2/NDF: 16.4/26

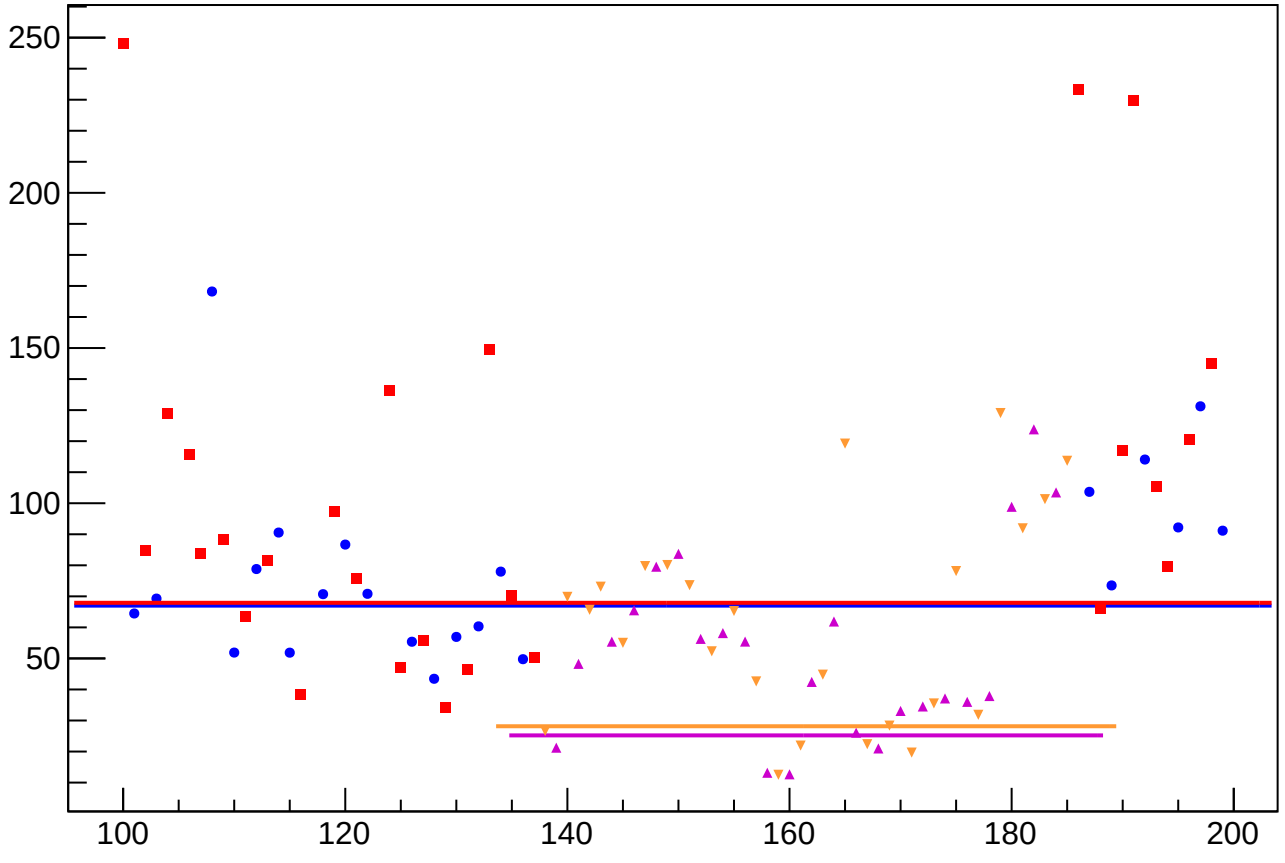
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 77.4/46

All: 0.013+/-0.005 χ^2/NDF: 123.1/96

- sign 0.015+/-0.007 χ^2/NDF: 45.6/49

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.015+/-0.016 χ^2/NDF: 1818781.7/21

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

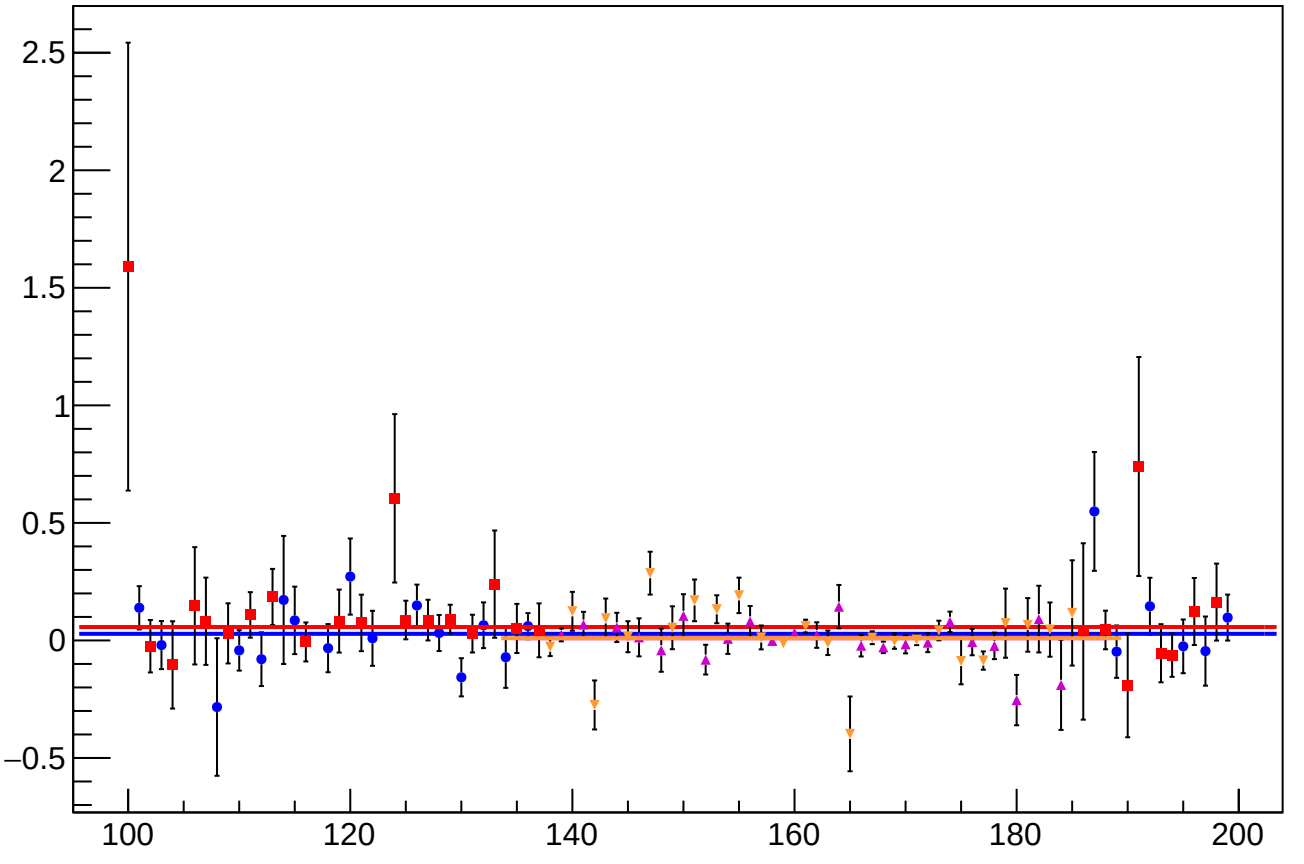
Right Out: 67.922+/-0.016 χ^2/NDF: 3822113.5/26

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 33.087+/-0.006 χ^2/NDF: 18256002.2/46

All: 31.458+/-0.004 χ^2/NDF: 38732746.4/96

- sign 30.004+/-0.005 χ^2/NDF: 20315844.1/49



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.022 χ^2/NDF: 16.4/26

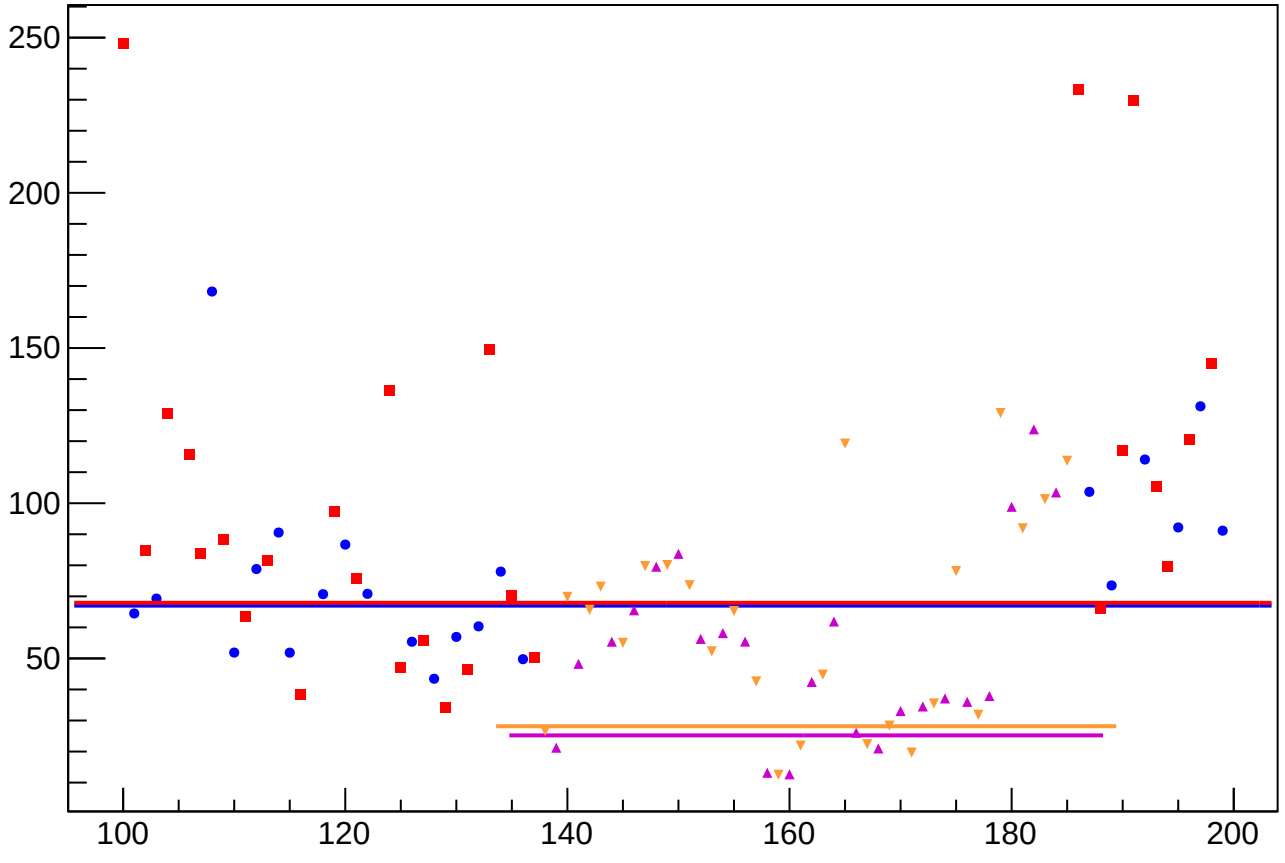
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 77.4/46

All: 0.013+/-0.005 χ^2/NDF: 123.1/96

- sign 0.015+/-0.007 χ^2/NDF: 45.6/49

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.015+/-0.016 χ^2/NDF: 1818781.7/21

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

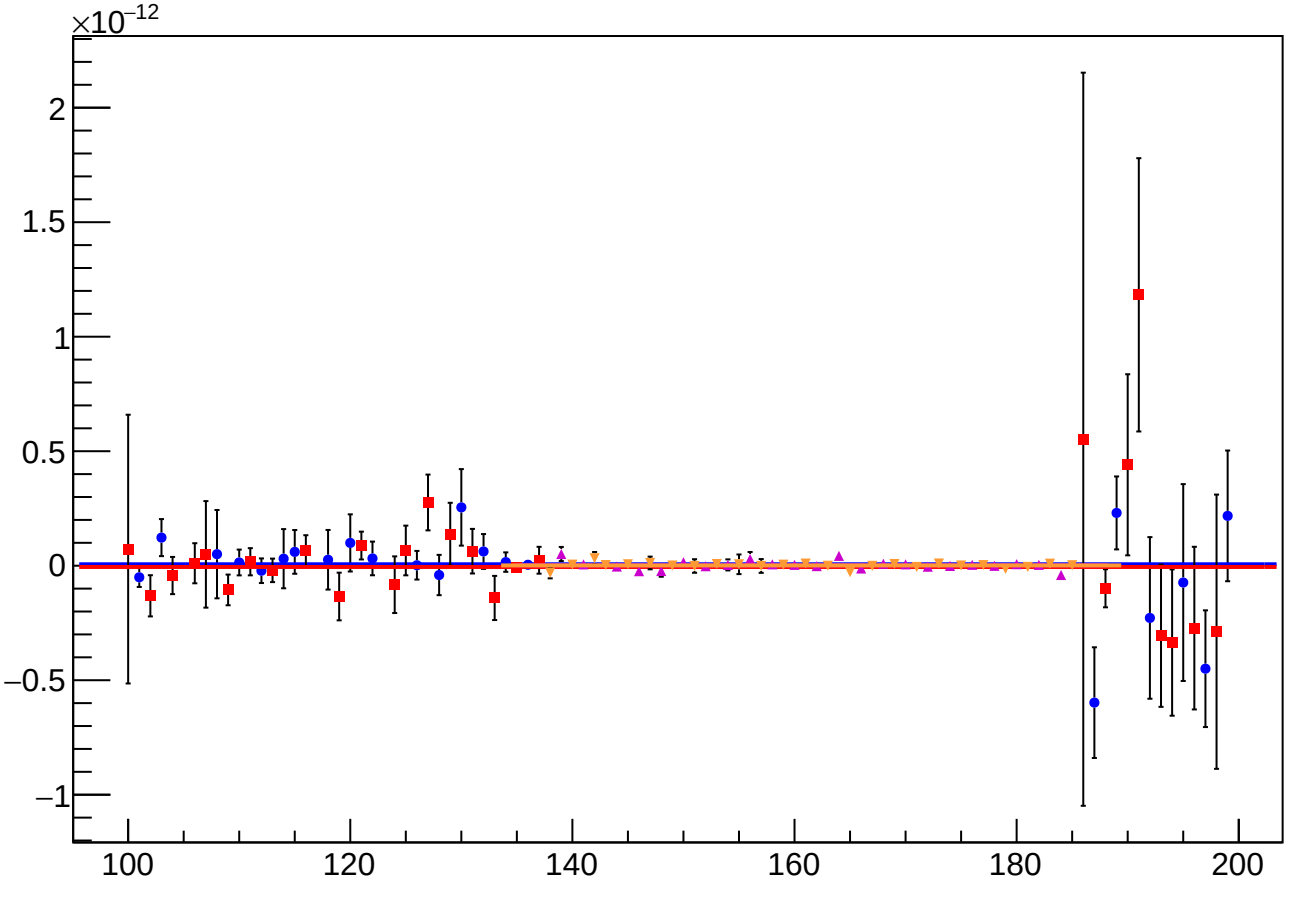
Right Out: 67.922+/-0.016 χ^2/NDF: 3822113.5/26

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 33.087+/-0.006 χ^2/NDF: 18256002.2/46

All: 31.458+/-0.004 χ^2/NDF: 38732746.4/96

- sign 30.004+/-0.005 χ^2/NDF: 20315844.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/26

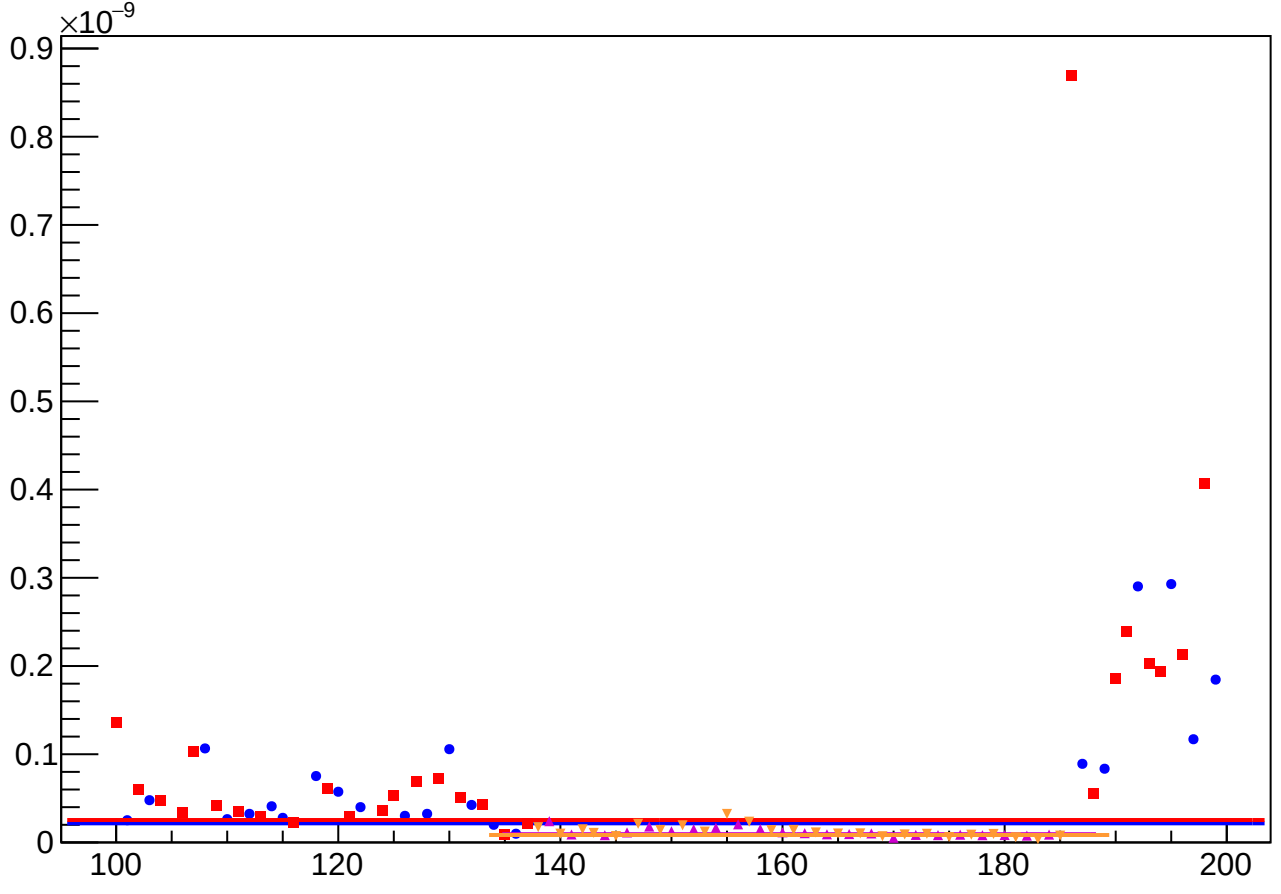
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.3/46

All: 0.000+/-0.000 χ^2/NDF: 82.5/96

- sign 0.000+/-0.000 χ^2/NDF: 50.3/49

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6499850.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7567398.8/26

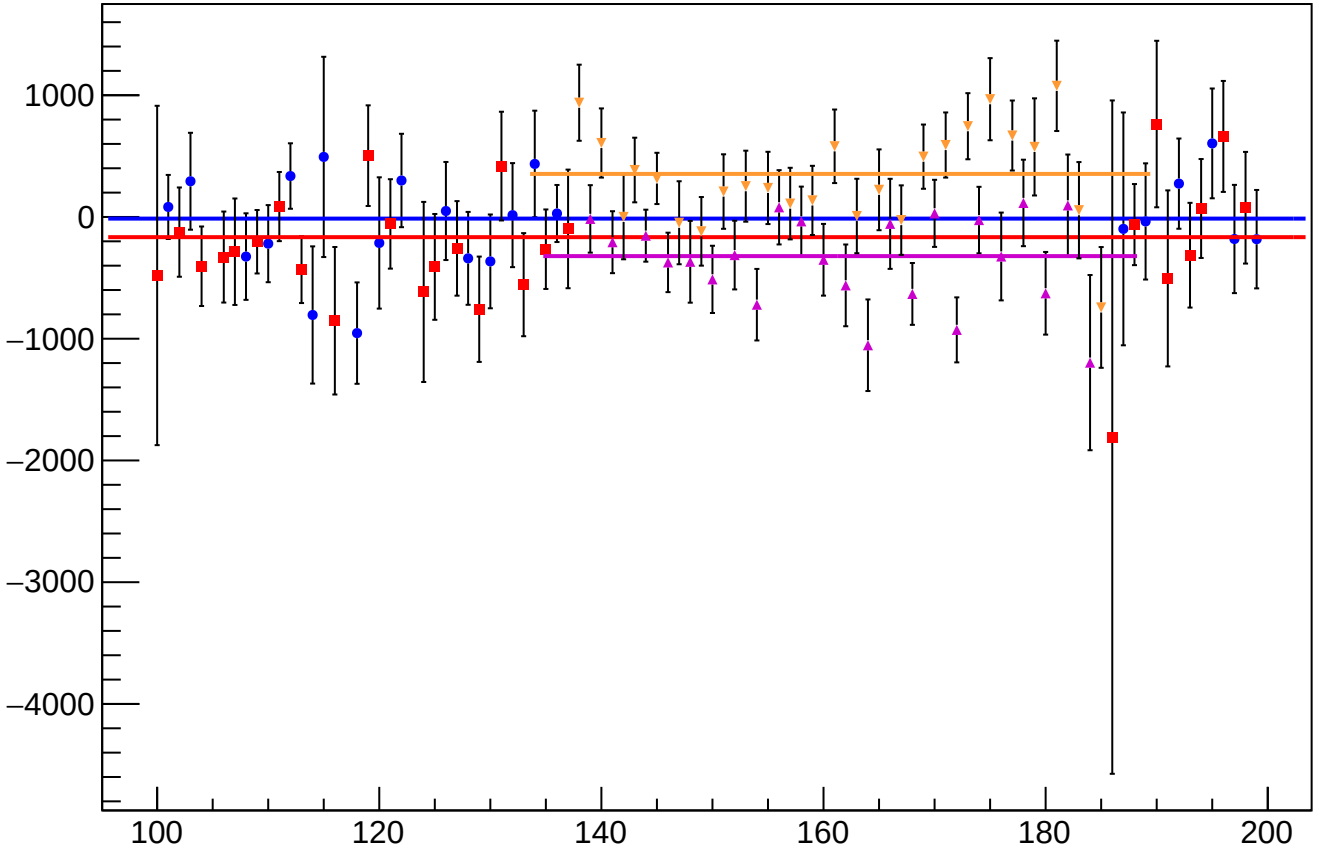
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

\+ sign 0.000+/-0.000 χ^2/NDF: 13127453.5/46

All: 0.000+/-0.000 χ^2/NDF: 25751371.5/96

\- sign 0.000+/-0.000 χ^2/NDF: 12486492.1/49

reg_asym_sam4_mean vs Slug



Right In: -13.425+/-81.475 χ^2/NDF: 17.3/21

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -165.811+/-78.175 χ^2/NDF: 18.4/26

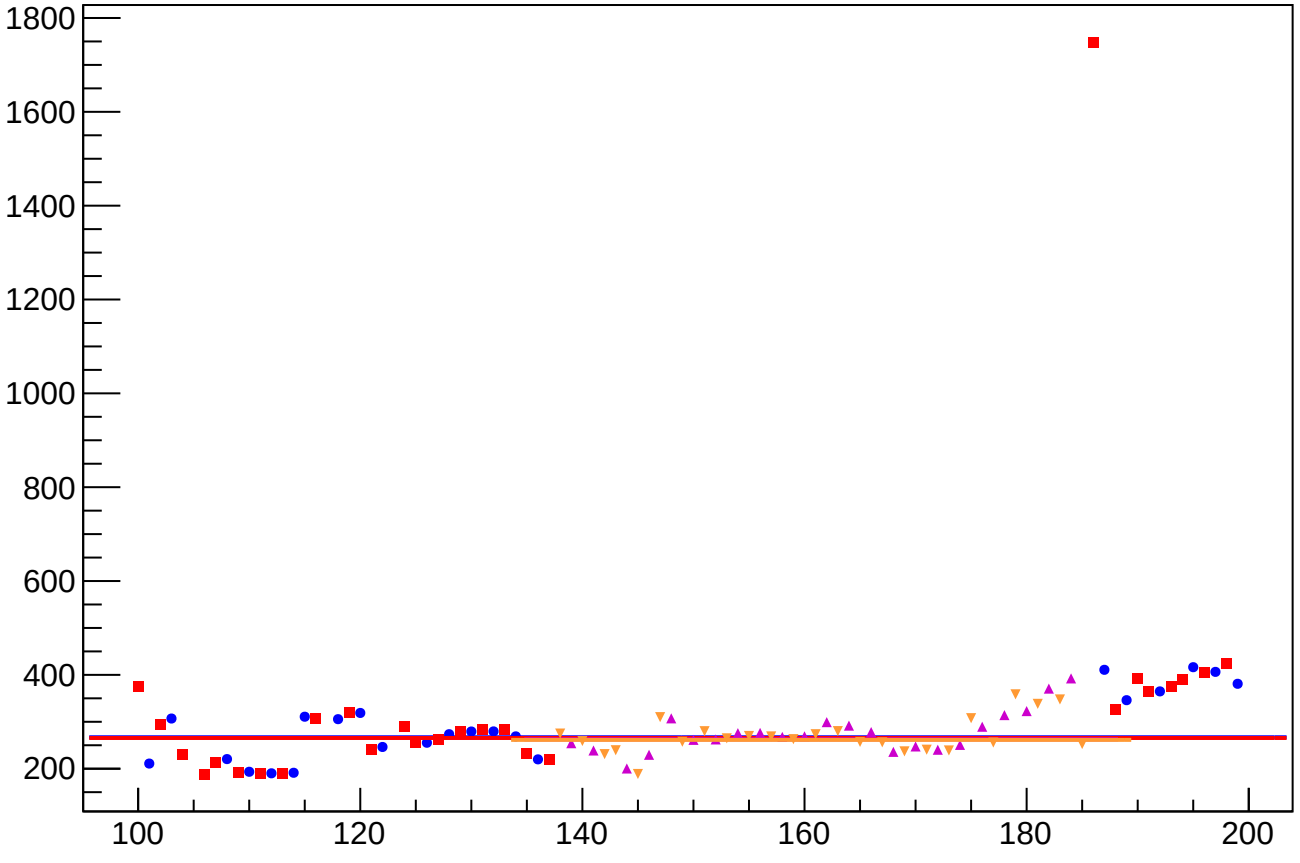
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 224.142+/-48.391 χ^2/NDF: 62.8/46

All: -17.353+/-34.302 χ^2/NDF: 160.0/96

- sign -261.256+/-48.631 χ^2/NDF: 47.1/49

reg_asym_sam4_rms vs Slug



Right In: 266.993+/-0.058 χ^2/NDF: 1400316.9/21

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 265.508+/-0.055 χ^2/NDF: 2213318.0/26

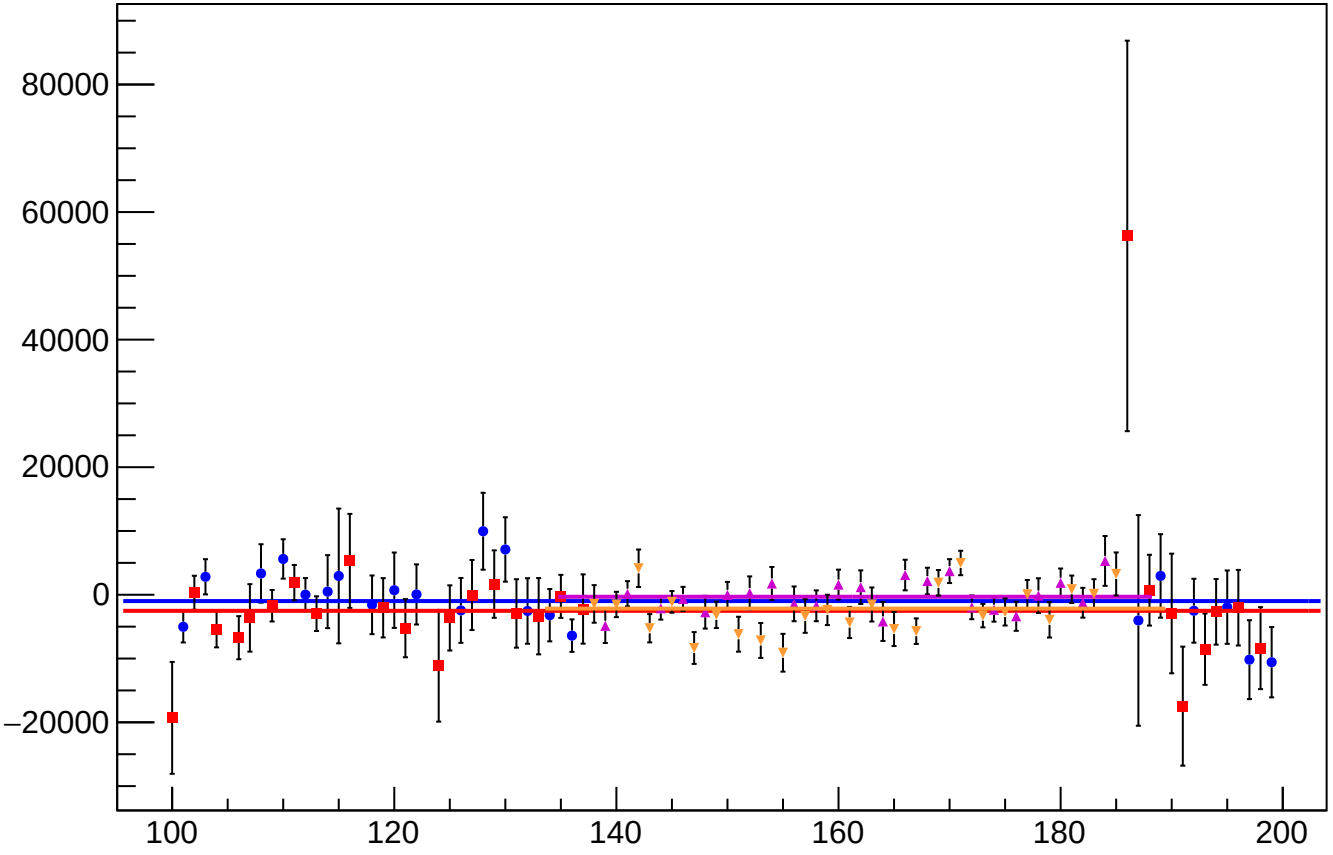
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 263.418+/-0.034 χ^2/NDF: 2121733.8/46

All: 263.576+/-0.024 χ^2/NDF: 5007418.6/96

- sign 263.735+/-0.034 χ^2/NDF: 2885642.0/49

asym_sam4_reg_correction_mean vs Slug



Right In: -991.774+/-887.315 χ^2/NDF: 27.2/21

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2519.212+/-836.369 χ^2/NDF: 22.6/26

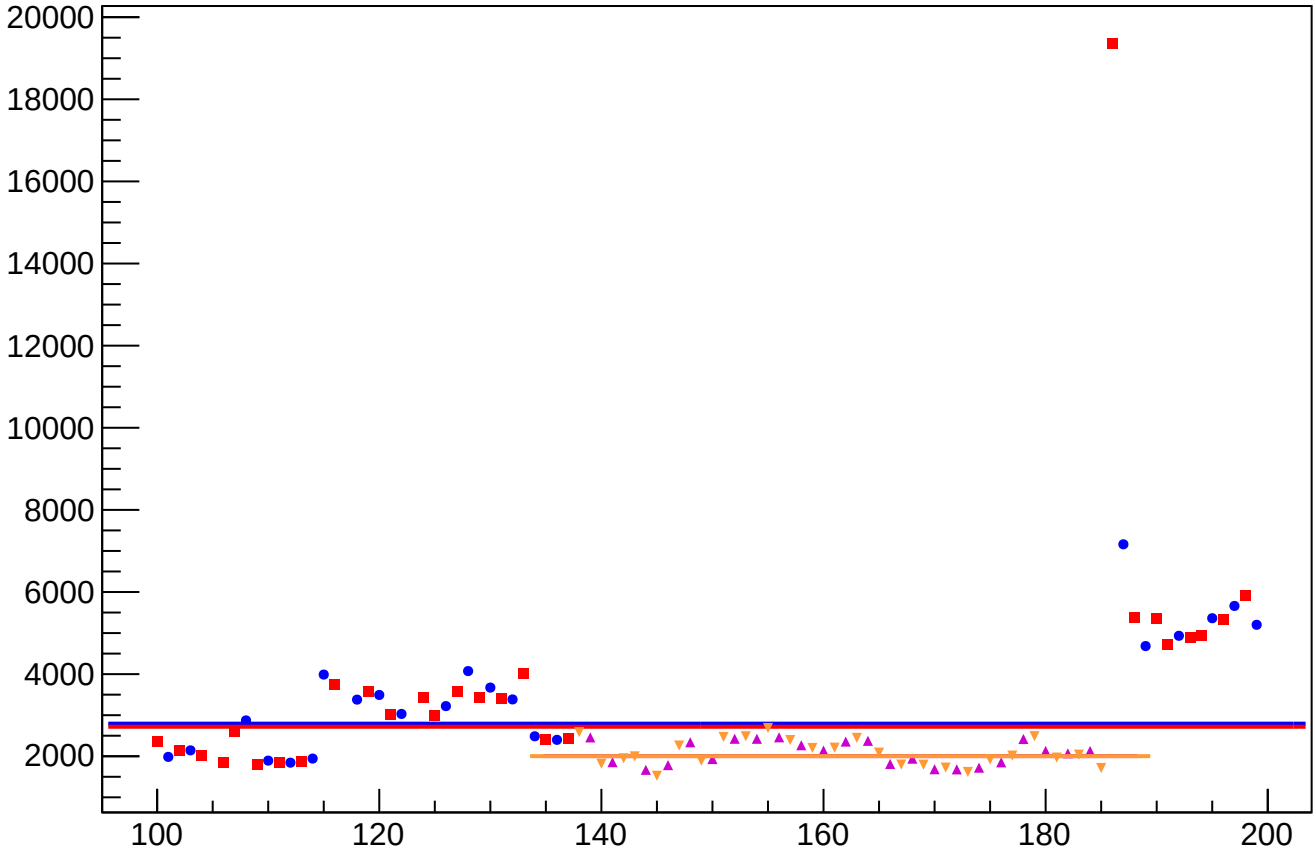
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1920.457+/-409.536 χ^2/NDF: 84.1/46

All: -1389.028+/-290.605 χ^2/NDF: 138.9/96

- sign -850.050+/-412.435 χ^2/NDF: 51.5/49

asym_sam4_reg_correction_rms vs Slug



Right In: 2793.728+/-0.627 χ^2/NDF: 3031590.5/21

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2718.417+/-0.591 χ^2/NDF: 4258255.2/26

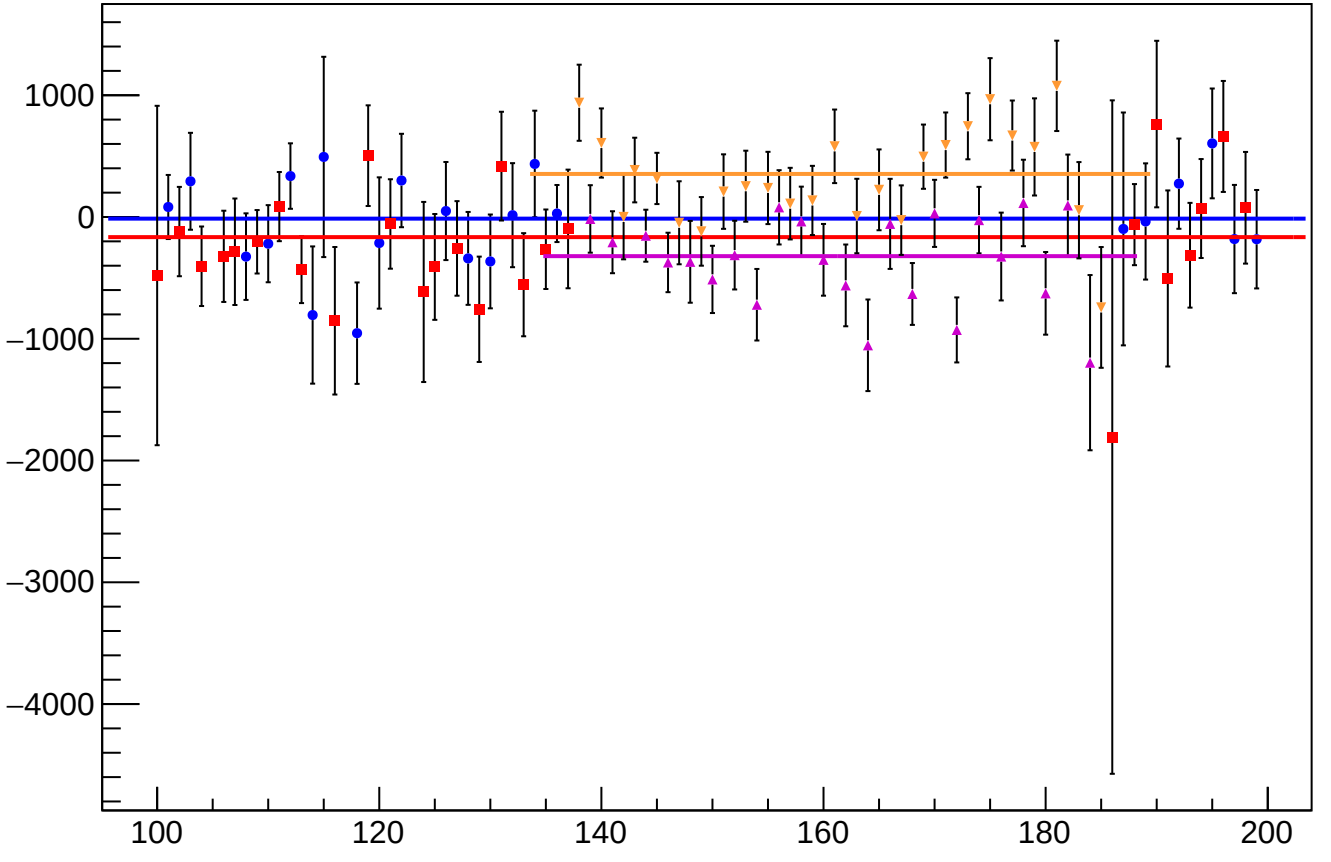
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2170.838+/-0.290 χ^2/NDF: 5176679.9/46

All: 2174.350+/-0.205 χ^2/NDF: 11243818.7/9

- sign 2177.911+/-0.292 χ^2/NDF: 6066842.5/49

cor_asym_sam4_mean vs Slug



Right In: -13.440+/-81.475 χ^2/NDF: 17.4/21

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -165.281+/-78.184 χ^2/NDF: 18.4/26

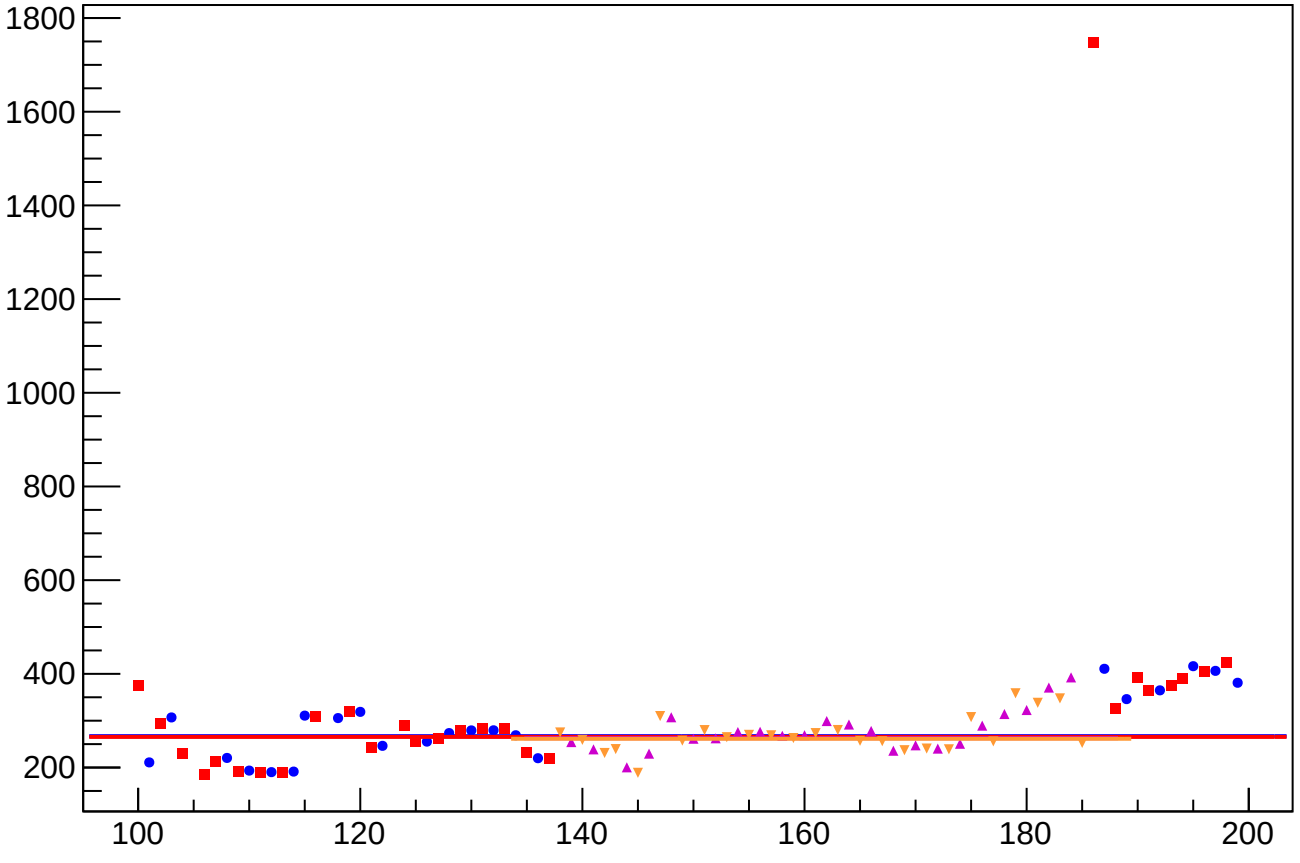
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 224.151+/-48.391 χ^2/NDF: 62.8/46

All: -17.241+/-34.303 χ^2/NDF: 159.9/96

- sign -261.063+/-48.634 χ^2/NDF: 47.1/49

cor_asym_sam4_rms vs Slug



Right In: 266.993+/-0.058 χ^2/NDF: 1400318.4/21

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 265.419+/-0.055 χ^2/NDF: 2218697.0/26

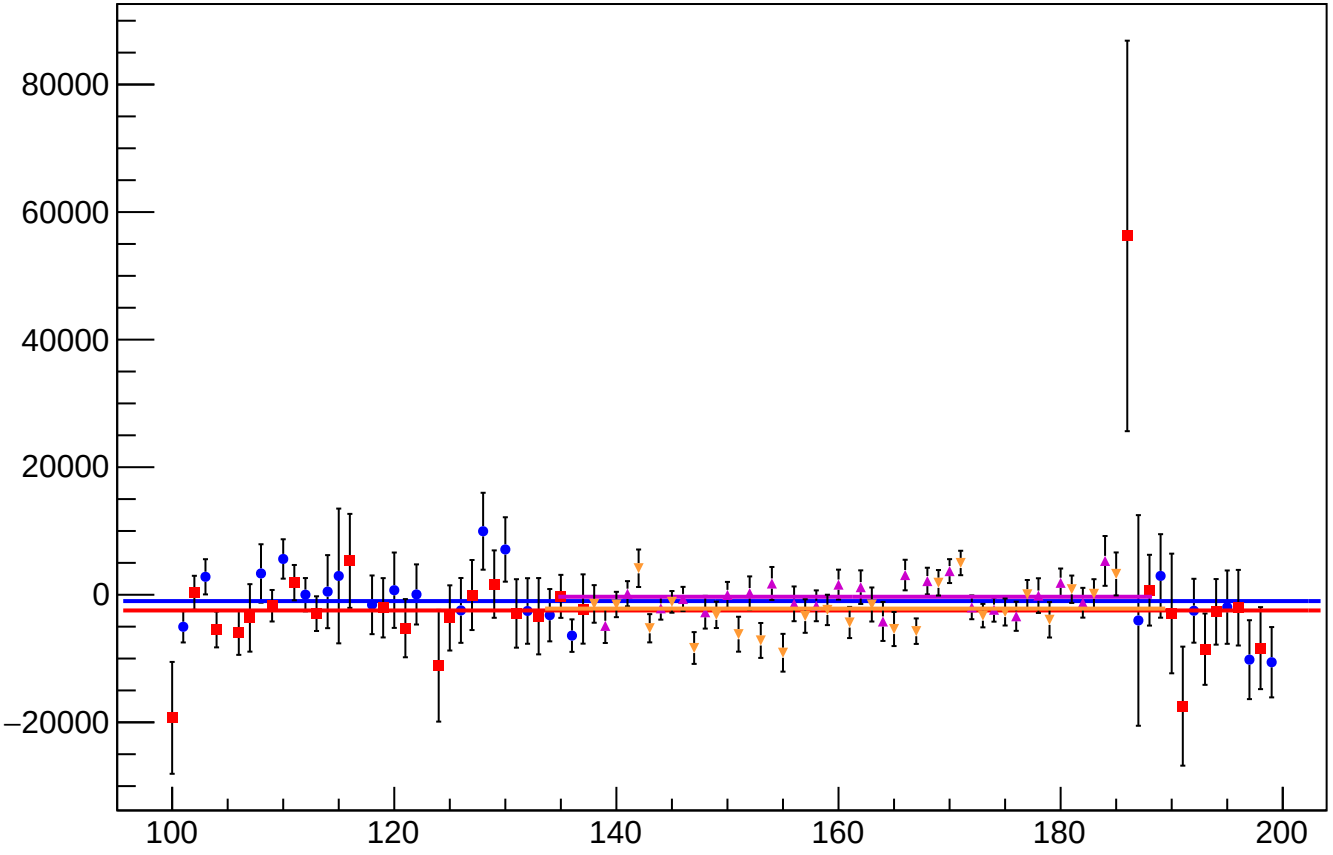
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 263.418+/-0.034 χ^2/NDF: 2121735.5/46

All: 263.559+/-0.024 χ^2/NDF: 5012689.1/96

- sign 263.701+/-0.034 χ^2/NDF: 2890919.6/49

asym_sam4_cor_correction_mean vs Slug



Right In: -991.931+/-887.322 χ^2/NDF: 27.2/21

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2461.450+/-837.752 χ^2/NDF: 22.0/26

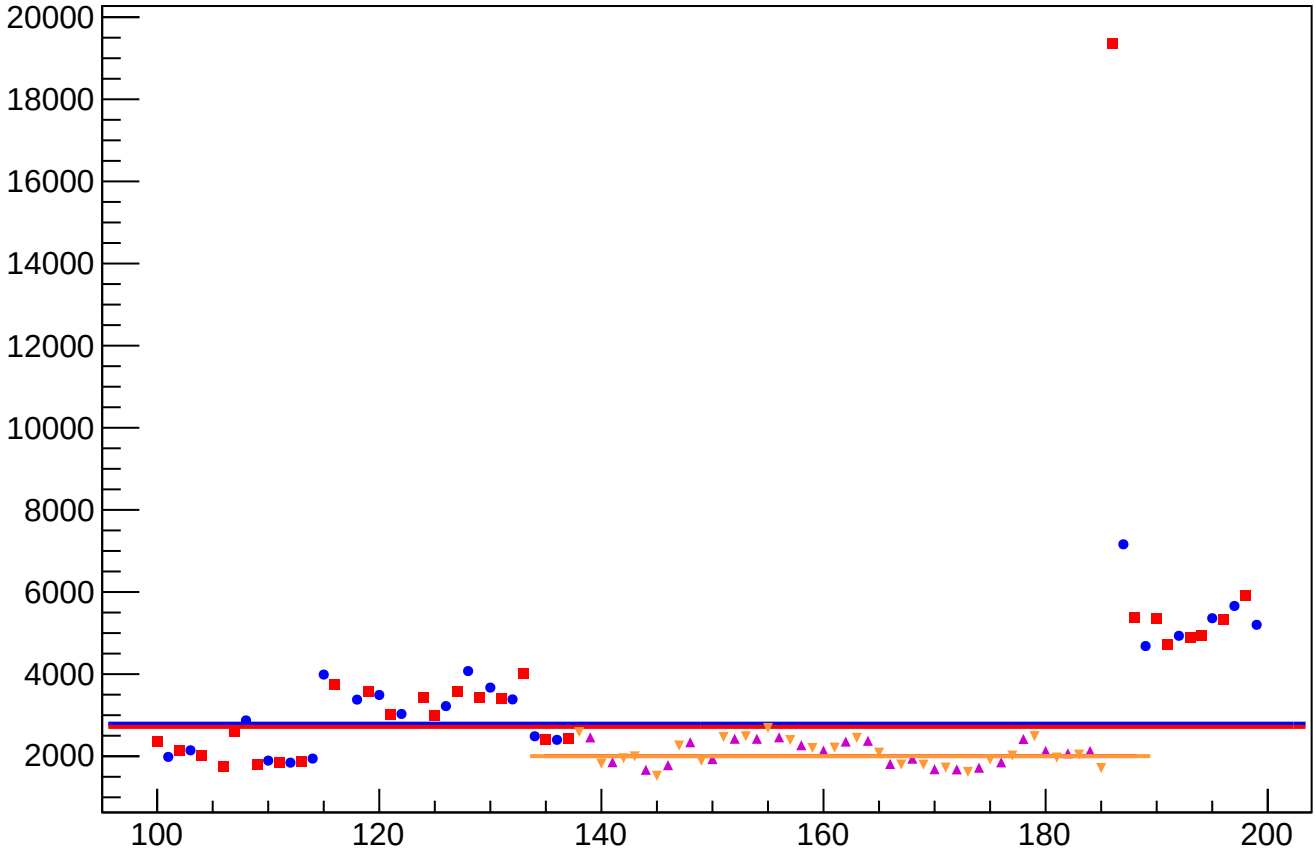
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1920.471+/-409.537 χ^2/NDF: 84.1/46

All: -1381.633+/-290.663 χ^2/NDF: 138.2/96

- sign -834.703+/-412.601 χ^2/NDF: 50.6/49

asym_sam4_cor_correction_rms vs Slug



Right In: 2793.755+/-0.627 χ^2/NDF: 3031517.4/21

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2714.841+/-0.592 χ^2/NDF: 4285093.5/26

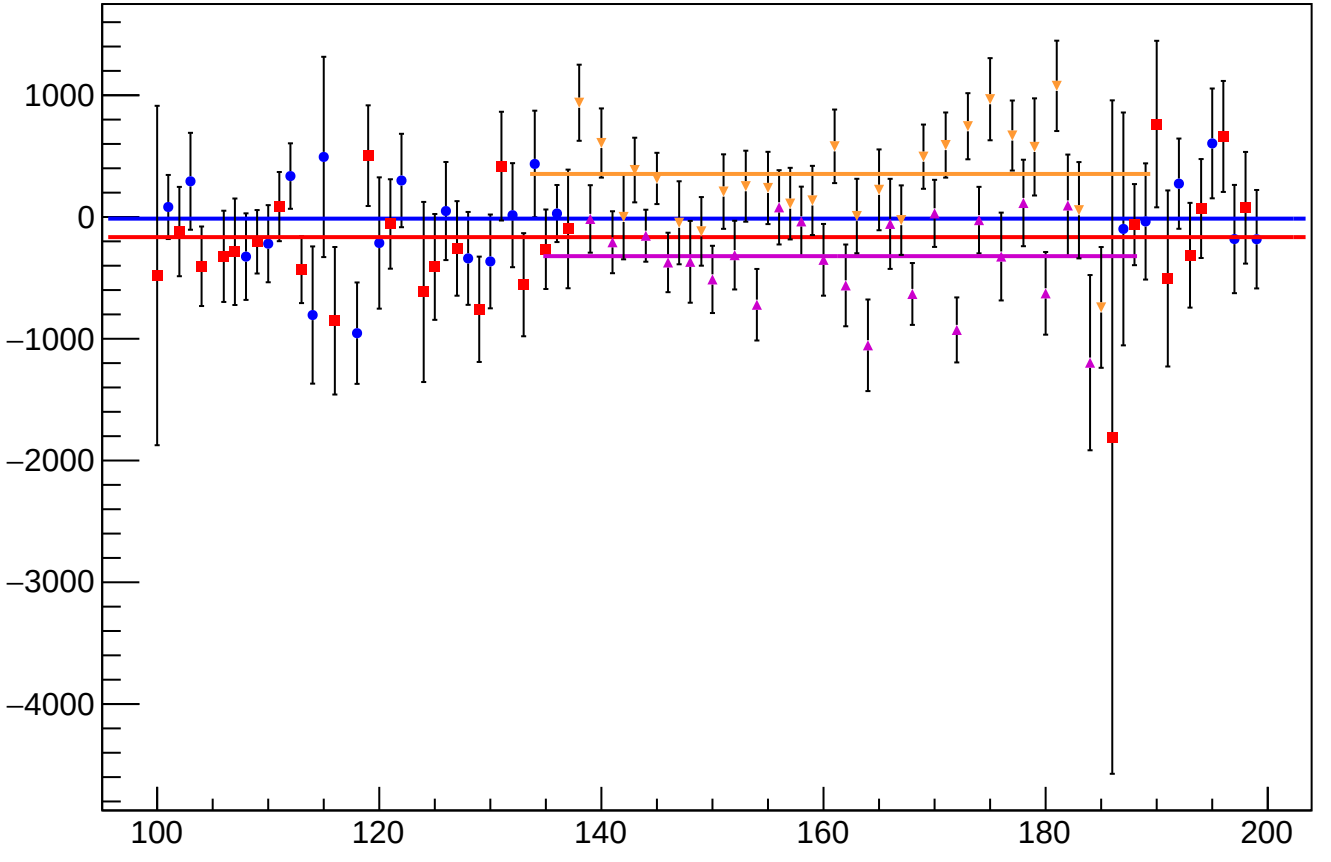
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2170.841+/-0.290 χ^2/NDF: 5176675.8/46

All: 2173.704+/-0.206 χ^2/NDF: 11256794.8/9

- sign 2176.610+/-0.292 χ^2/NDF: 6079922.1/49

eigen_cor_asym_sam4_mean vs Slug



Right In: -13.440+/-81.475 χ^2/NDF: 17.4/21

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -165.281+/-78.184 χ^2/NDF: 18.4/26

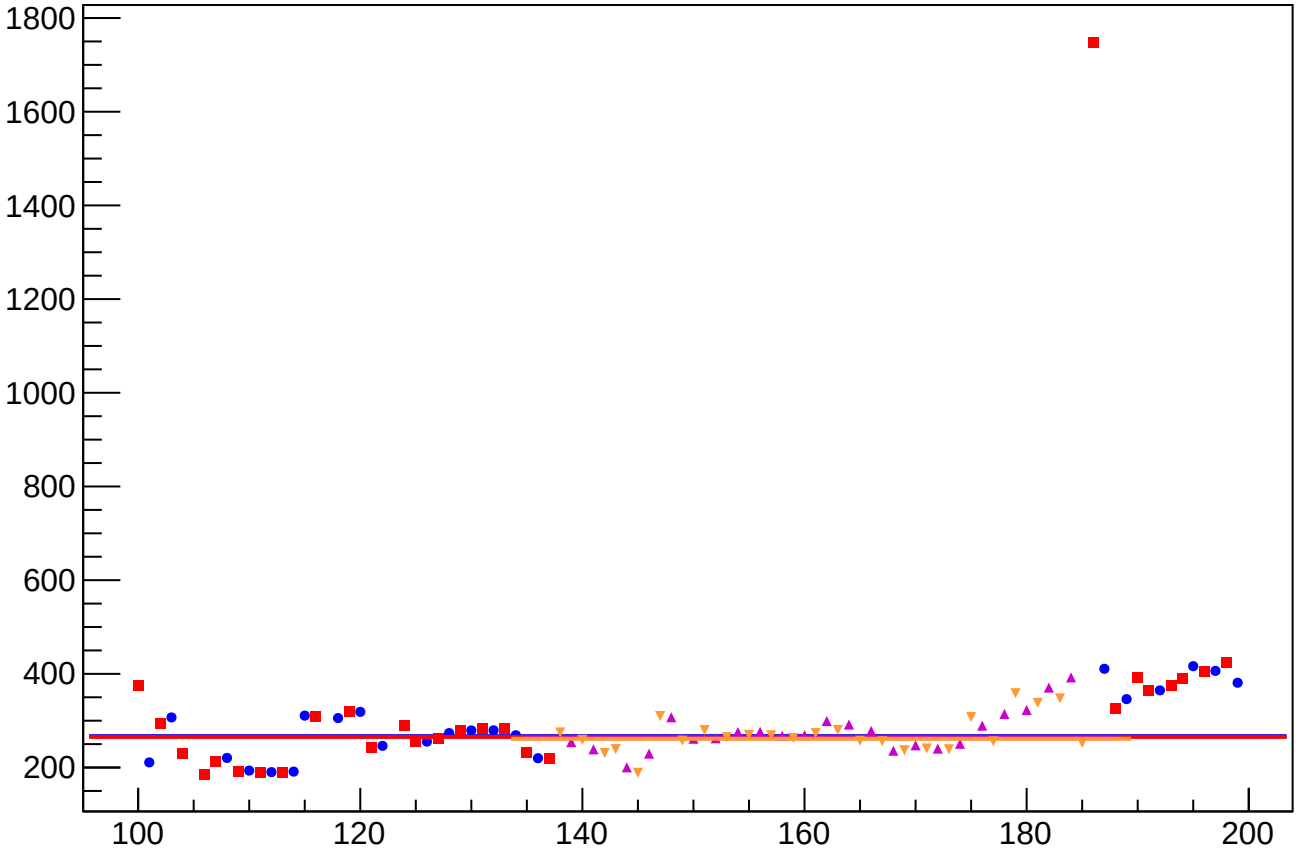
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 224.151+/-48.391 χ^2/NDF: 62.8/46

All: -17.241+/-34.303 χ^2/NDF: 159.9/96

- sign -261.063+/-48.634 χ^2/NDF: 47.1/49

eigen_cor_asym_sam4_rms vs Slug



Right In: 266.993+/-0.058 χ^2/NDF: 1400318.4/21

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

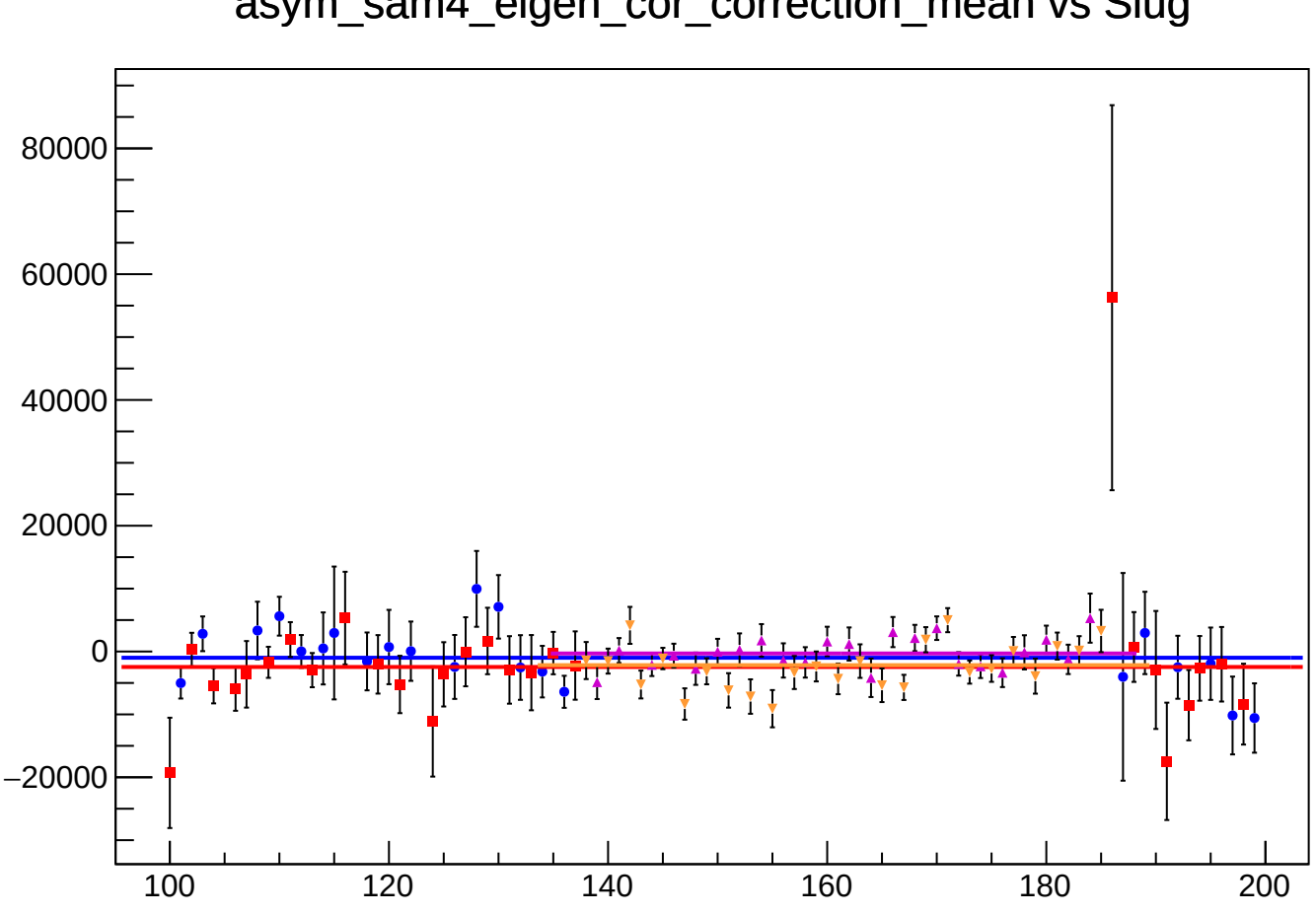
Right Out: 265.419+/-0.055 χ^2/NDF: 2218697.0/26

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 263.418+/-0.034 χ^2/NDF: 2121735.5/46

All: 263.559+/-0.024 χ^2/NDF: 5012689.1/96

- sign 263.701+/-0.034 χ^2/NDF: 2890919.6/49



Right In: -991.931+/-887.322 χ^2/NDF: 27.2/21

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2461.450+/-837.752 χ^2/NDF: 22.0/26

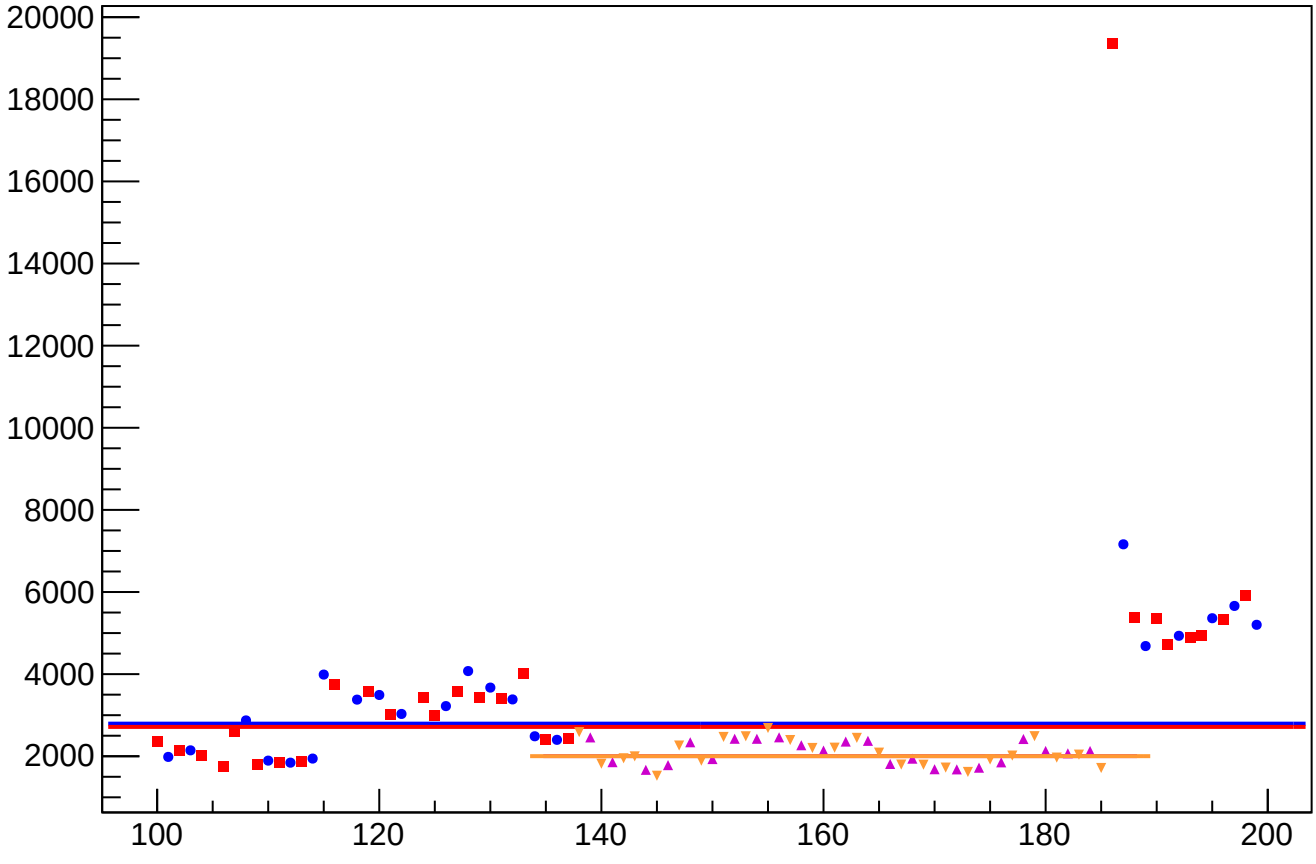
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1920.471+/-409.537 χ^2/NDF: 84.1/46

All: -1381.633+/-290.663 χ^2/NDF: 138.2/96

- sign -834.703+/-412.601 χ^2/NDF: 50.6/49

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2793.755+/-0.627 χ^2/NDF: 3031517.4/21

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2714.841+/-0.592 χ^2/NDF: 4285093.5/26

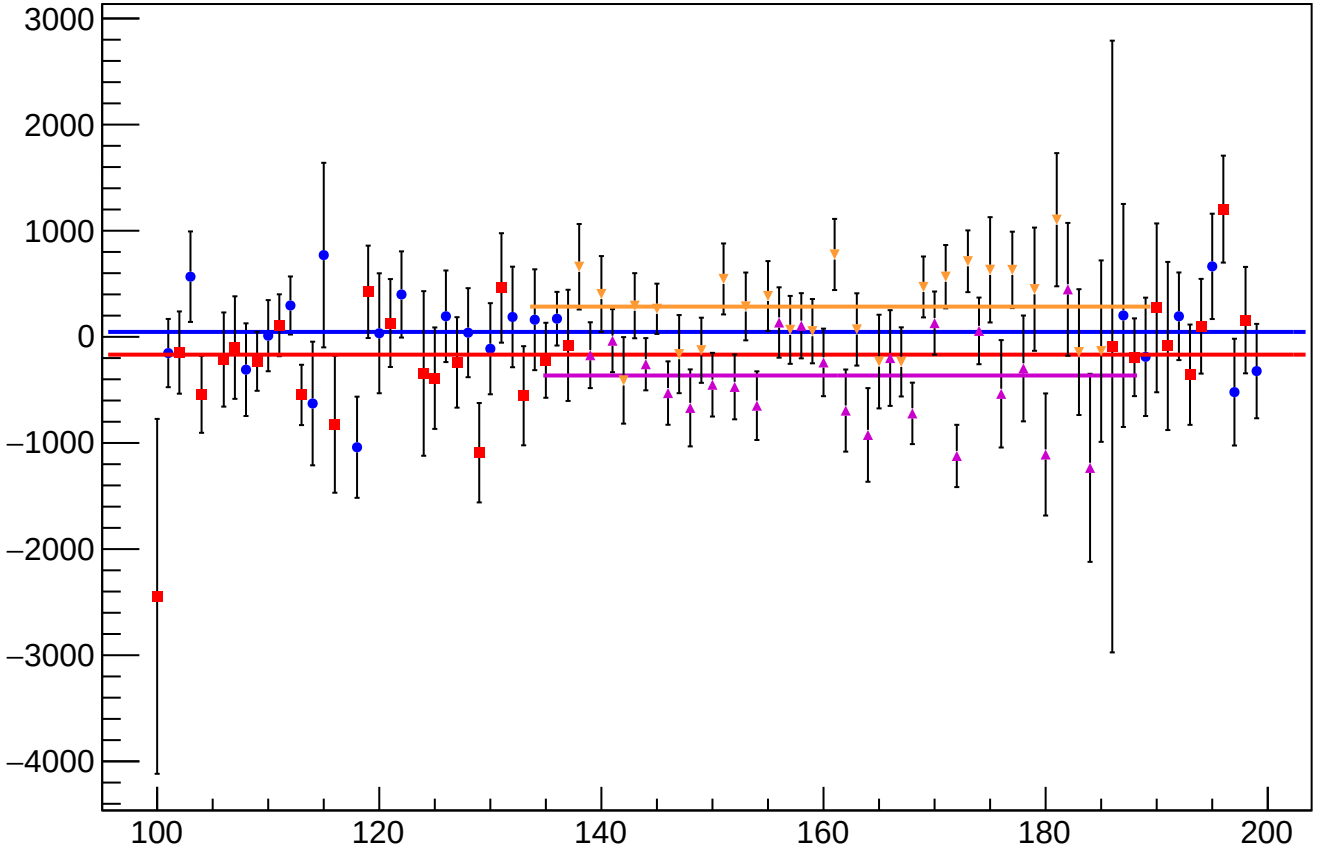
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2170.841+/-0.290 χ^2/NDF: 5176675.8/46

All: 2173.704+/-0.206 χ^2/NDF: 11256794.8/9

- sign 2176.610+/-0.292 χ^2/NDF: 6079922.1/49

dit_asym_sam4_mean vs Slug



Right In: 46.445+/-89.581 χ^2/NDF: 15.8/21

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -167.635+/-84.874 χ^2/NDF: 24.2/26

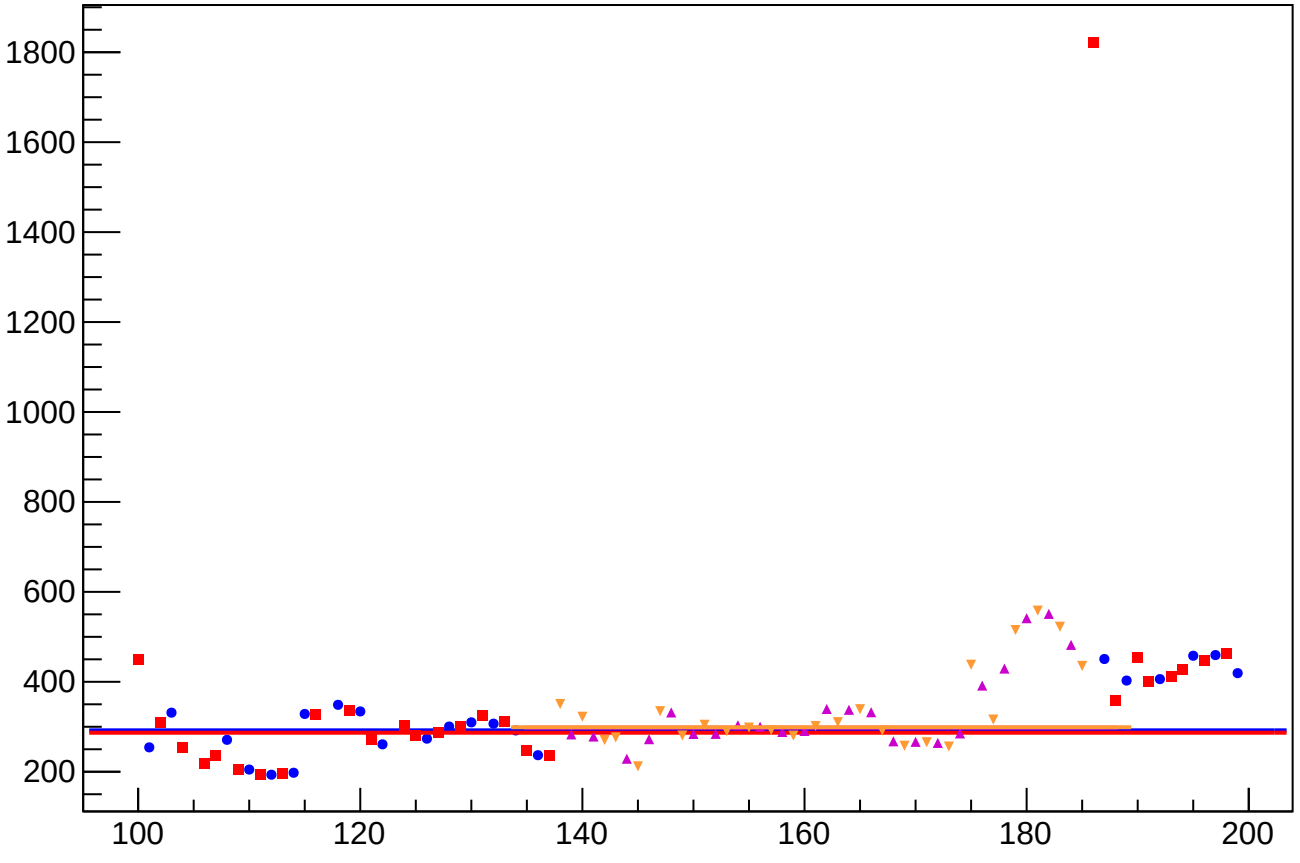
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 194.447+/-55.175 χ^2/NDF: 43.1/46

All: -45.648+/-38.873 χ^2/NDF: 136.2/96

- sign -282.300+/-54.778 χ^2/NDF: 55.5/49

dit_asym_sam4_rms vs Slug



Right In: 292.069+/-0.063 χ^2/NDF: 1542865.6/21

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 286.805+/-0.060 χ^2/NDF: 2356681.4/26

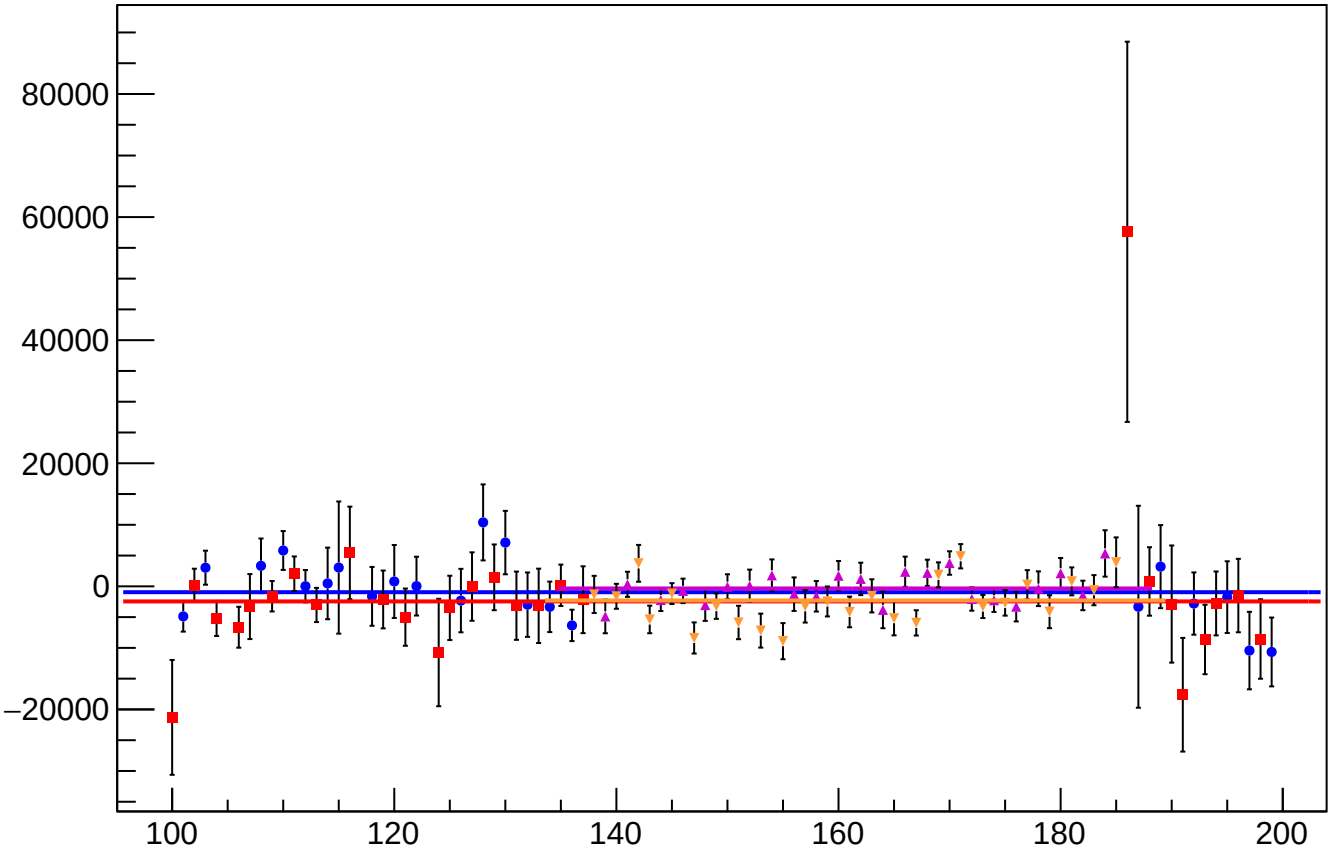
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 296.332+/-0.039 χ^2/NDF: 3163241.7/46

All: 294.790+/-0.027 χ^2/NDF: 6861973.3/96

- sign 293.270+/-0.039 χ^2/NDF: 3695629.5/49

asym_sam4_dit_correction_mean vs Slug



Right In: -950.591+/-895.302 χ^2/NDF: 27.3/21

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2449.108+/-842.659 χ^2/NDF: 23.0/26

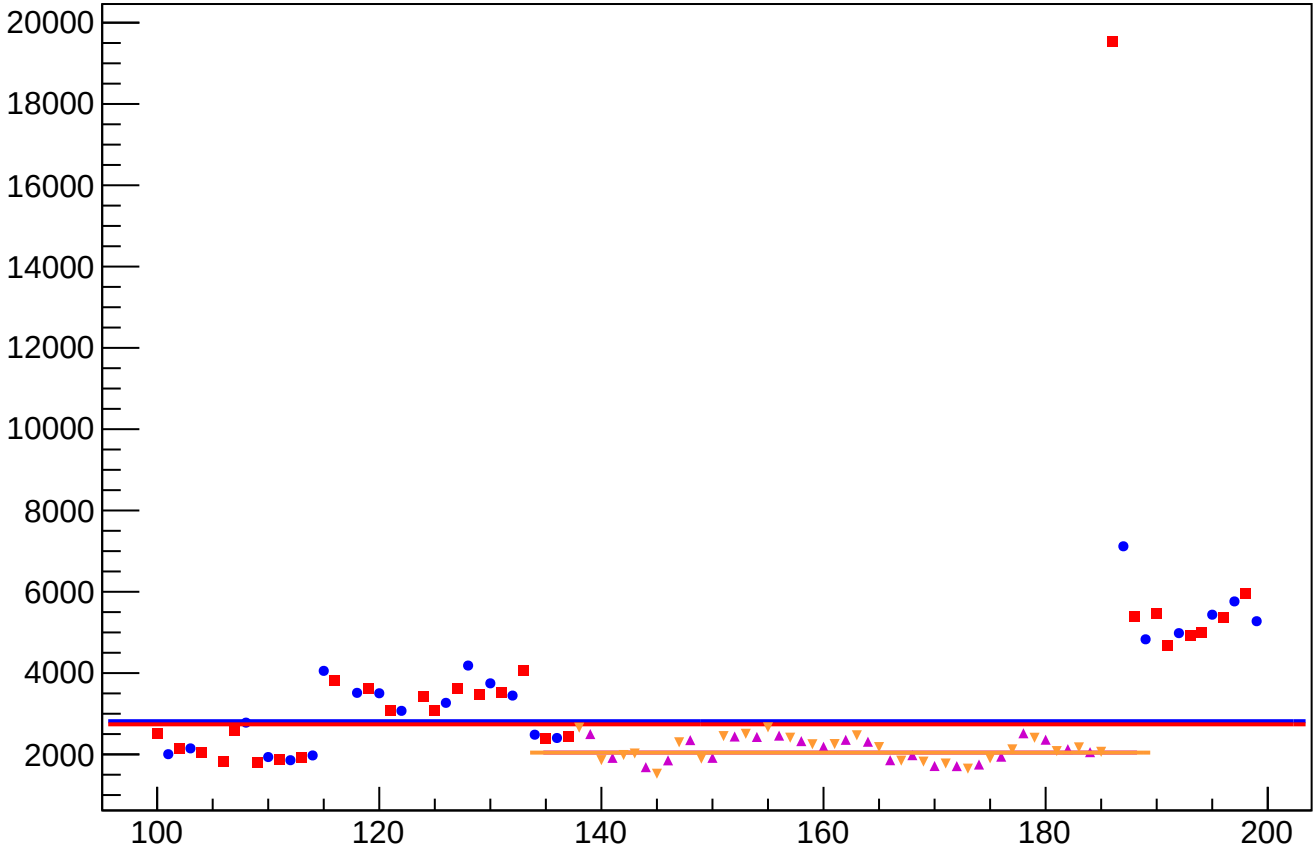
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2000.903+/-416.503 χ^2/NDF: 80.8/46

All: -1436.702+/-295.544 χ^2/NDF: 135.0/96

- sign -864.518+/-419.439 χ^2/NDF: 50.6/49

asym_sam4_dit_correction_rms vs Slug



Right In: 2816.721+/-0.633 χ^2/NDF: 3084424.3/21

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2739.408+/-0.596 χ^2/NDF: 4280910.6/26

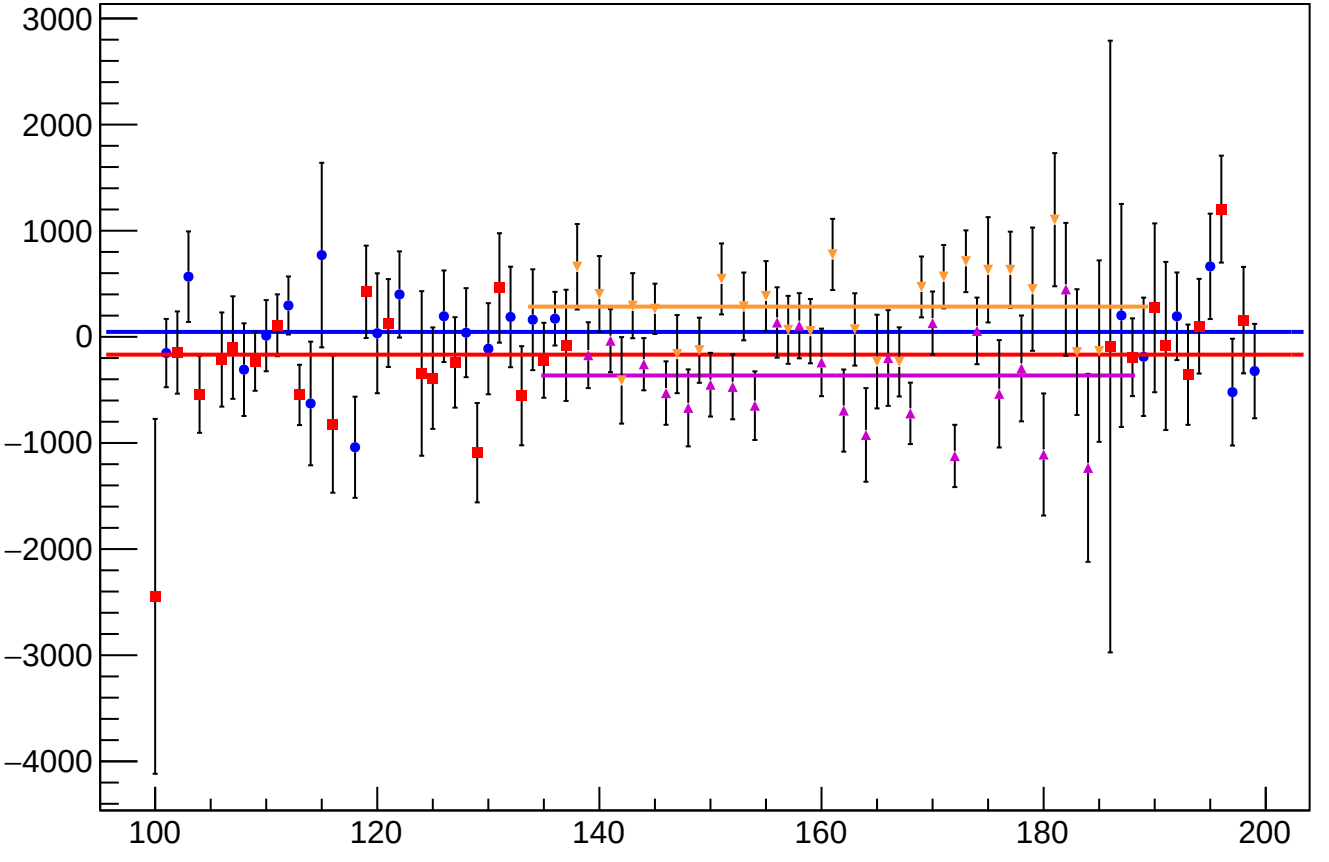
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2211.032+/-0.295 χ^2/NDF: 5105983.4/46

All: 2214.085+/-0.209 χ^2/NDF: 11098477.7/9

- sign 2217.181+/-0.297 χ^2/NDF: 5992277.8/49

eigen_dit_asym_sam4_mean vs Slug



Right In: 46.450+/-89.581 χ^2/NDF: 15.8/21

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -167.634+/-84.874 χ^2/NDF: 24.2/26

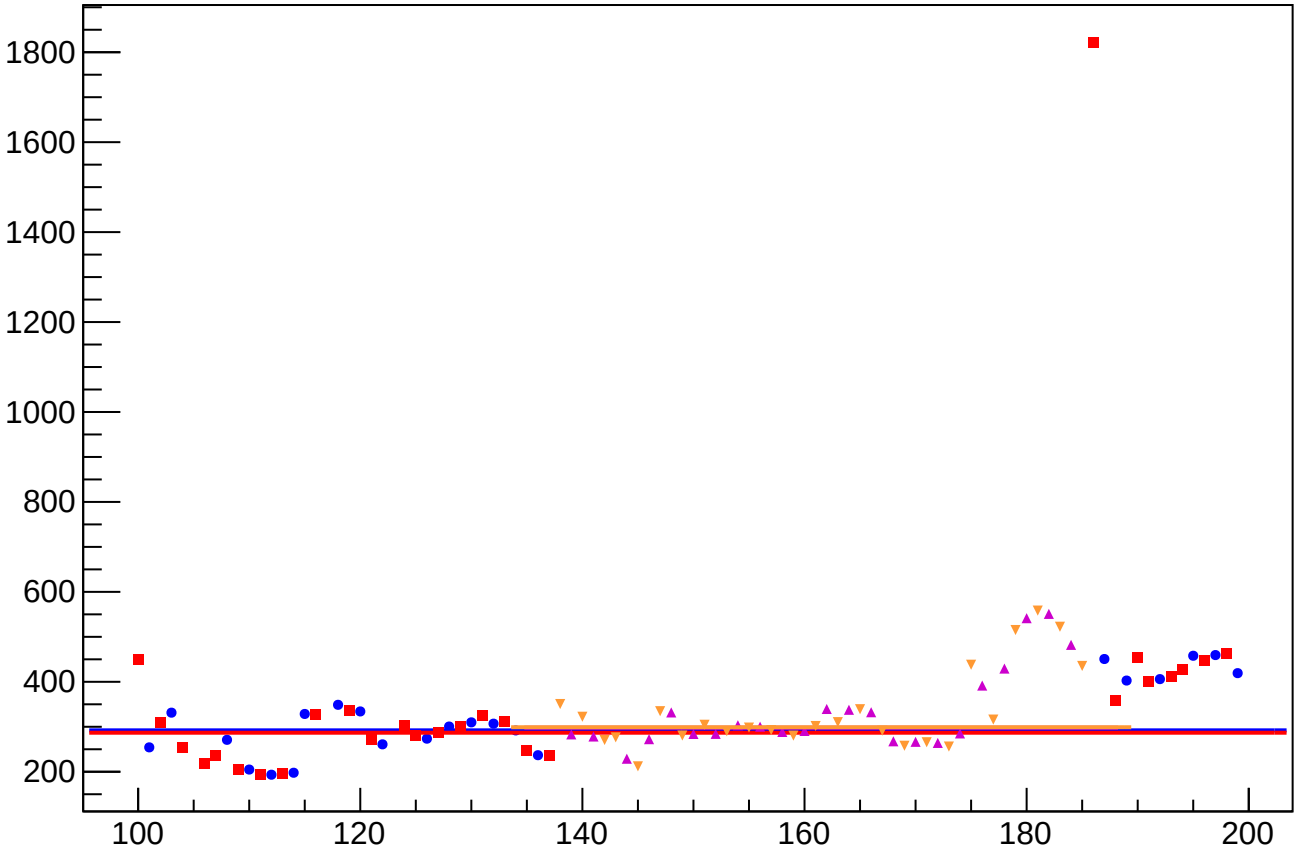
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 194.452+/-55.175 χ^2/NDF: 43.1/46

All: -45.646+/-38.873 χ^2/NDF: 136.2/96

- sign -282.300+/-54.778 χ^2/NDF: 55.5/49

eigen_dit_asym_sam4_rms vs Slug



Right In: 292.069+/-0.063 χ^2/NDF: 1542858.5/21

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 286.805+/-0.060 χ^2/NDF: 2356682.3/26

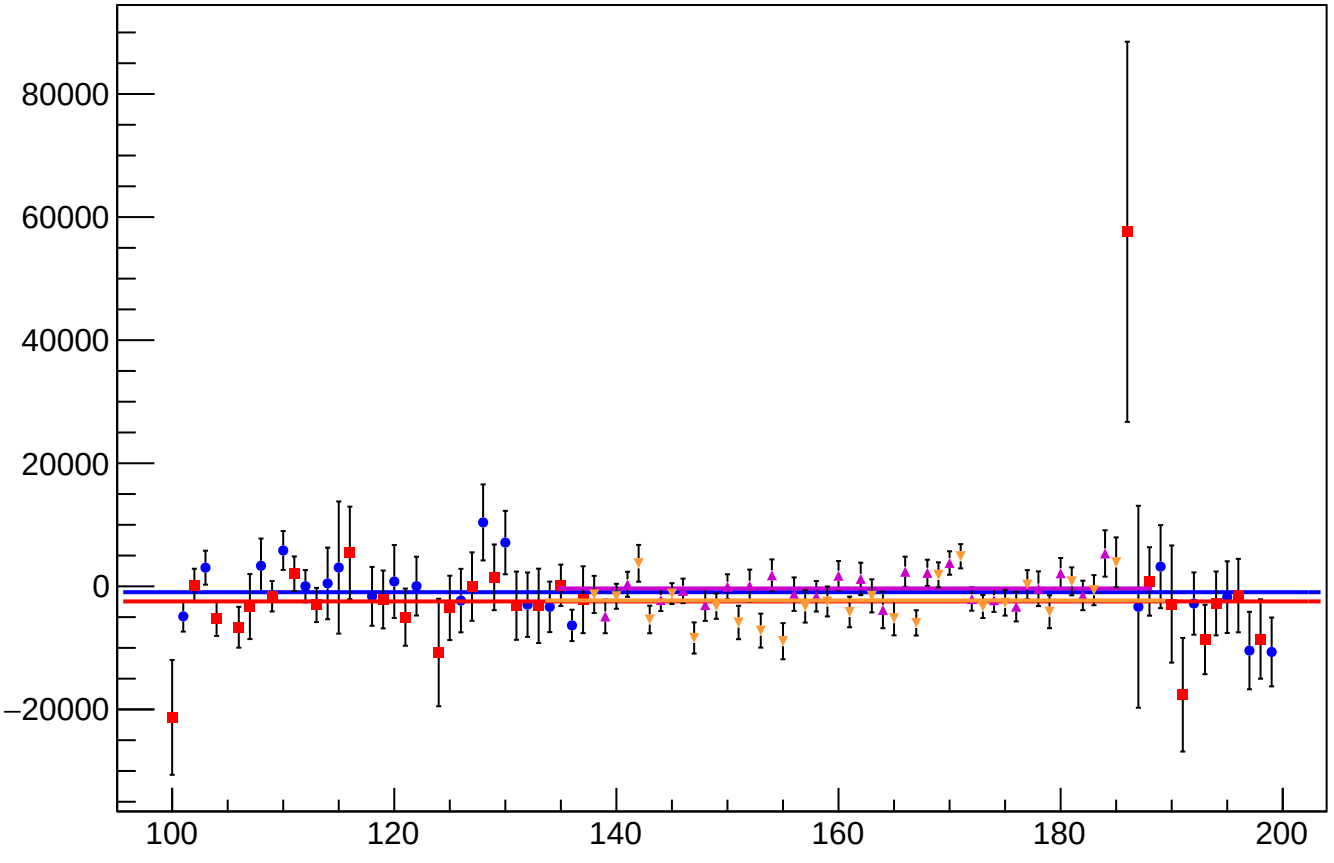
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 296.332+/-0.039 χ^2/NDF: 3163232.5/46

All: 294.790+/-0.027 χ^2/NDF: 6861947.6/96

- sign 293.270+/-0.039 χ^2/NDF: 3695613.0/49

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -950.589+/-895.302 χ^2/NDF: 27.3/21

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2449.106+/-842.658 χ^2/NDF: 23.0/26

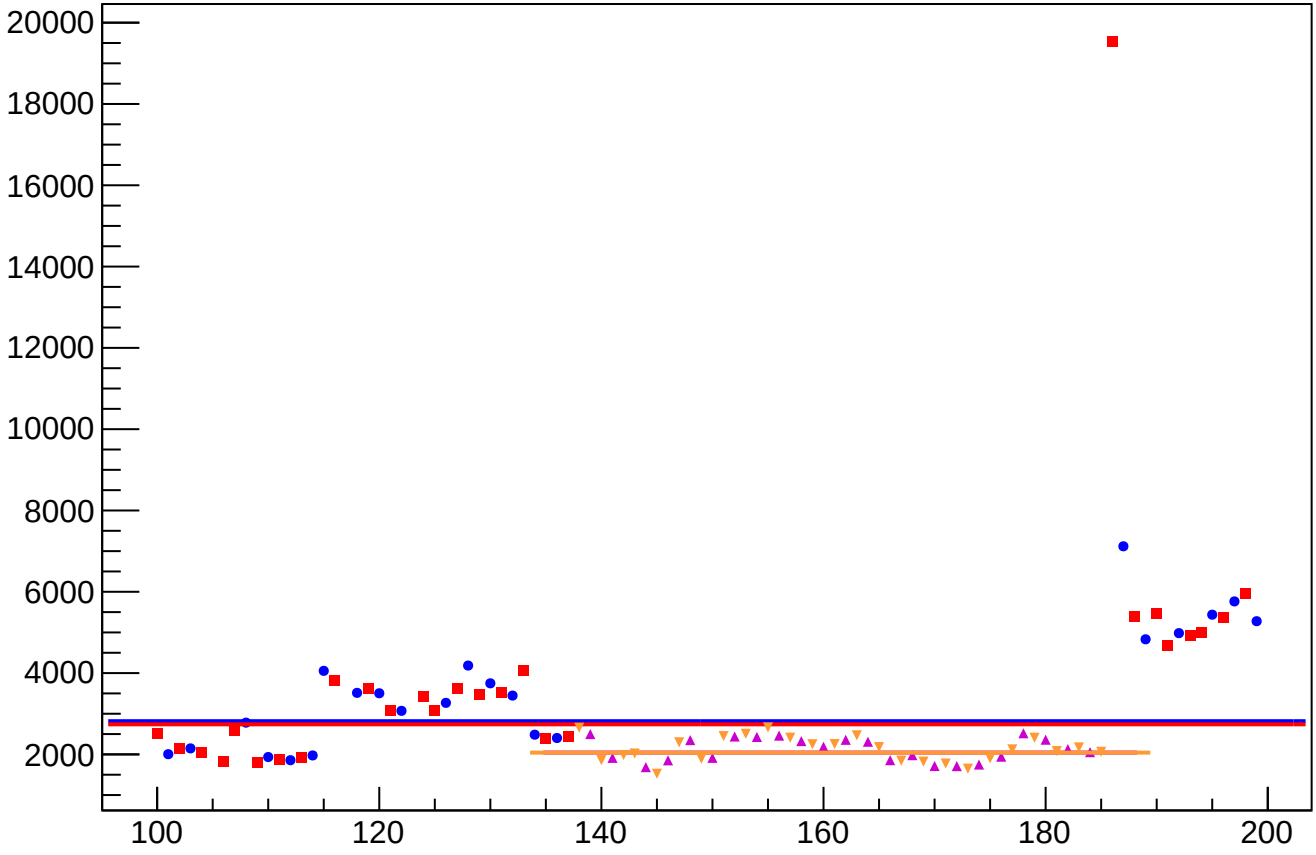
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2000.899+/-416.502 χ^2/NDF: 80.8/46

All: -1436.698+/-295.544 χ^2/NDF: 135.0/96

- sign -864.515+/-419.438 χ^2/NDF: 50.6/49

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2816.719+/-0.633 χ^2/NDF: 3084424.6/21

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2739.406+/-0.596 χ^2/NDF: 4280907.9/26

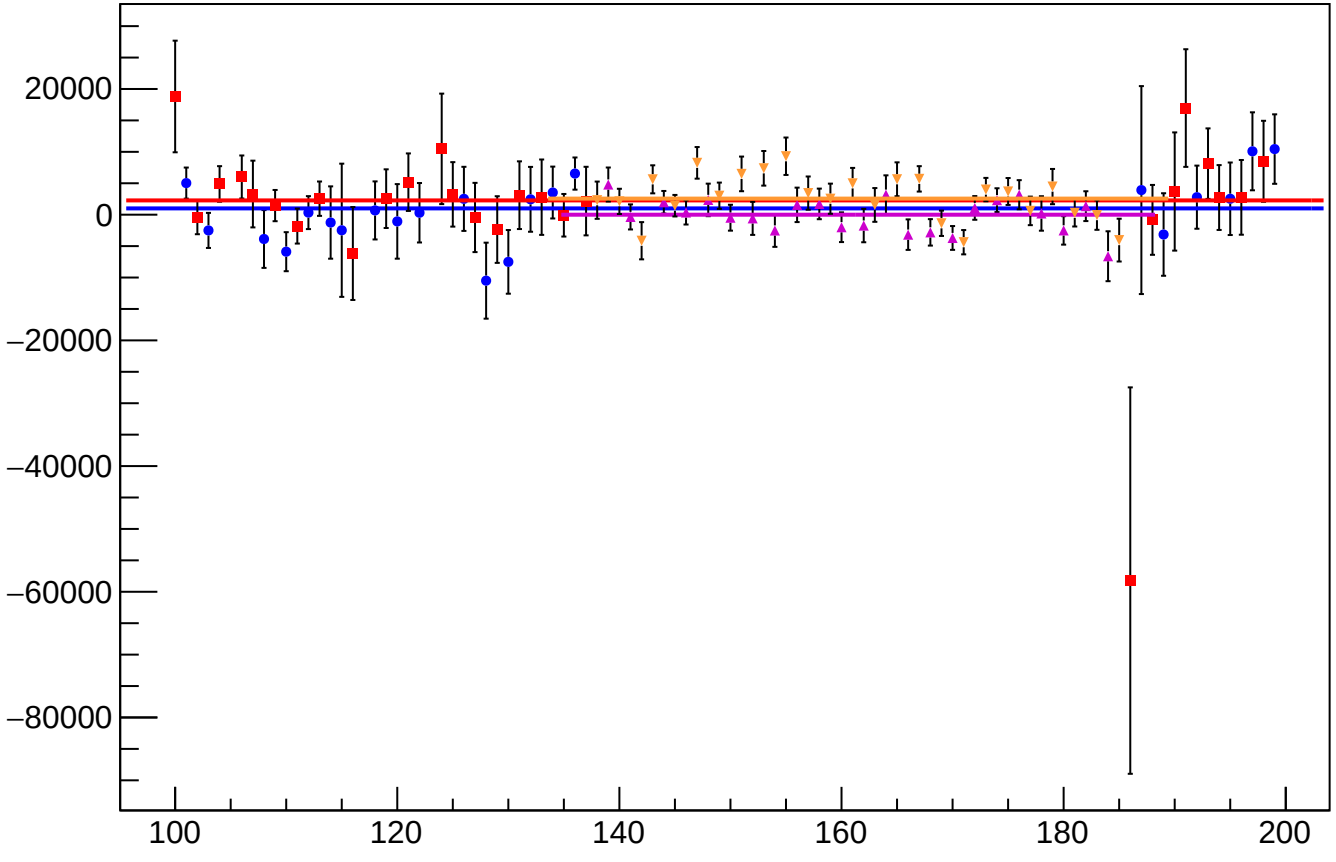
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2211.029+/-0.295 χ^2/NDF: 5105991.8/46

All: 2214.082+/-0.209 χ^2/NDF: 11098486.5/9

- sign 2217.179+/-0.297 χ^2/NDF: 5992278.2/49

asym_sam4_mean vs Slug



Right In: 1000.220+/-891.973 χ^2/NDF: 28.1/21

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2272.098+/-841.193 χ^2/NDF: 21.7/26

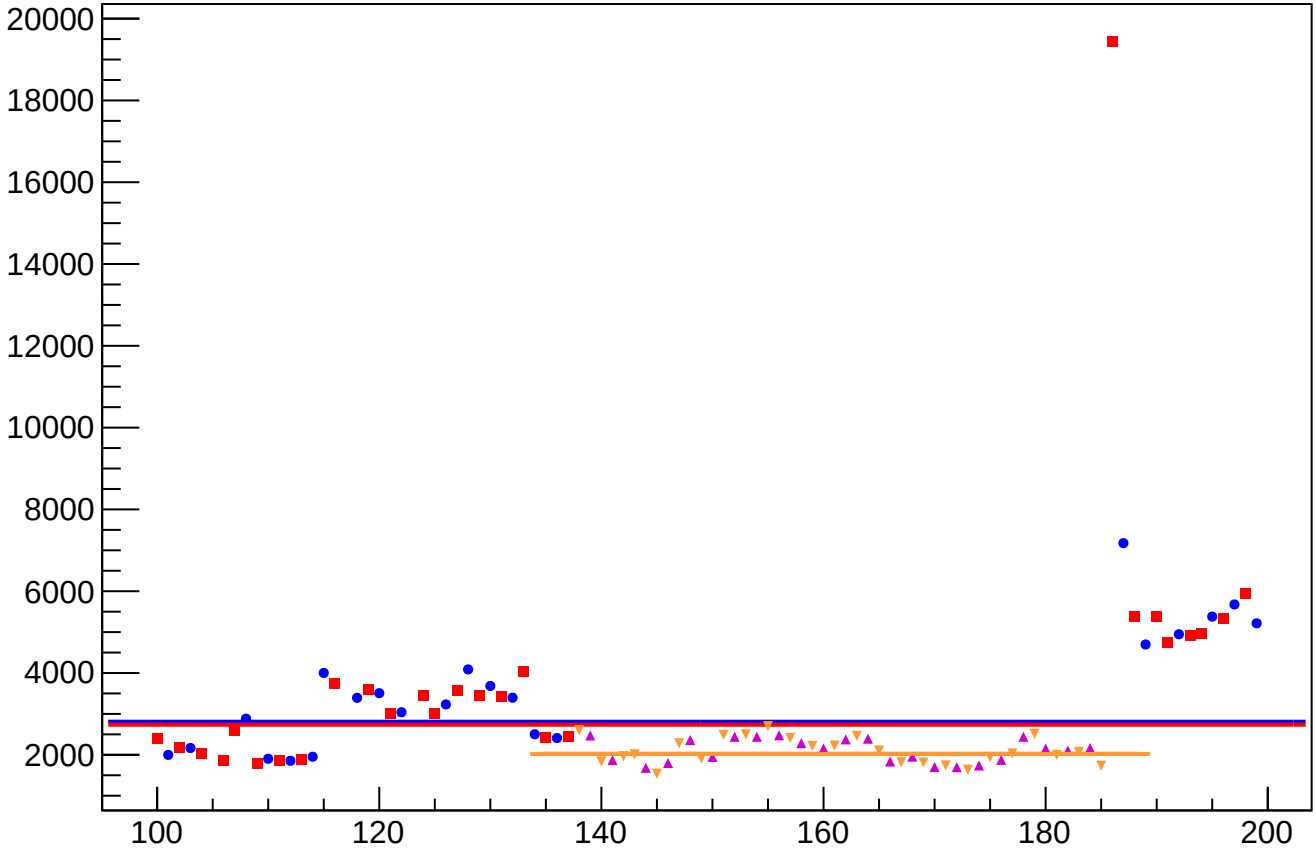
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2224.871+/-412.991 χ^2/NDF: 83.2/46

All: 1394.786+/-293.061 χ^2/NDF: 143.2/96

- sign 552.858+/-415.927 χ^2/NDF: 51.9/49

asym_sam4_rms vs Slug



Right In: 2809.937+/-0.631 χ^2/NDF: 3010674.6/21

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

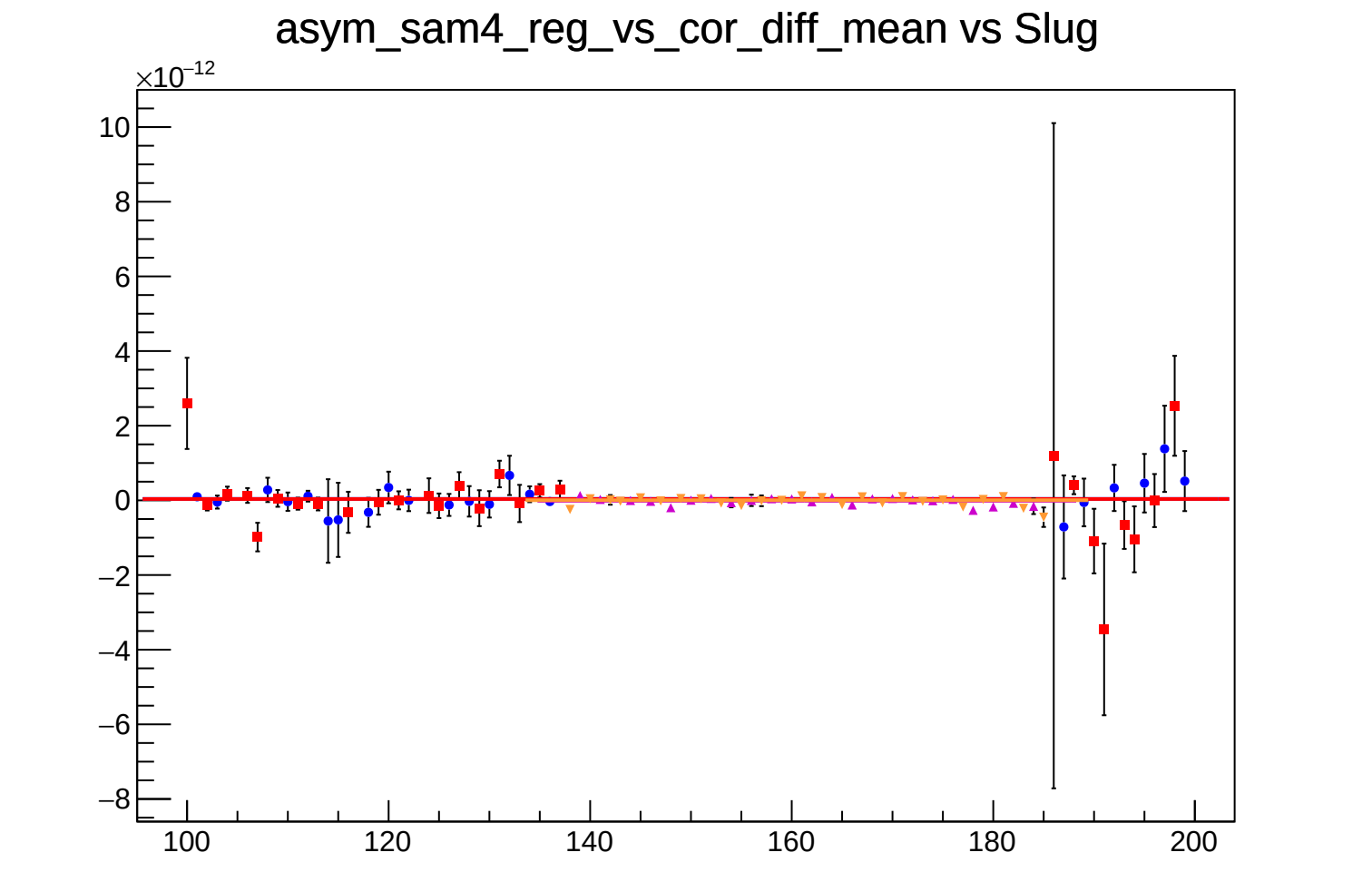
Right Out: 2735.253+/-0.595 χ^2/NDF: 4232697.3/26

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

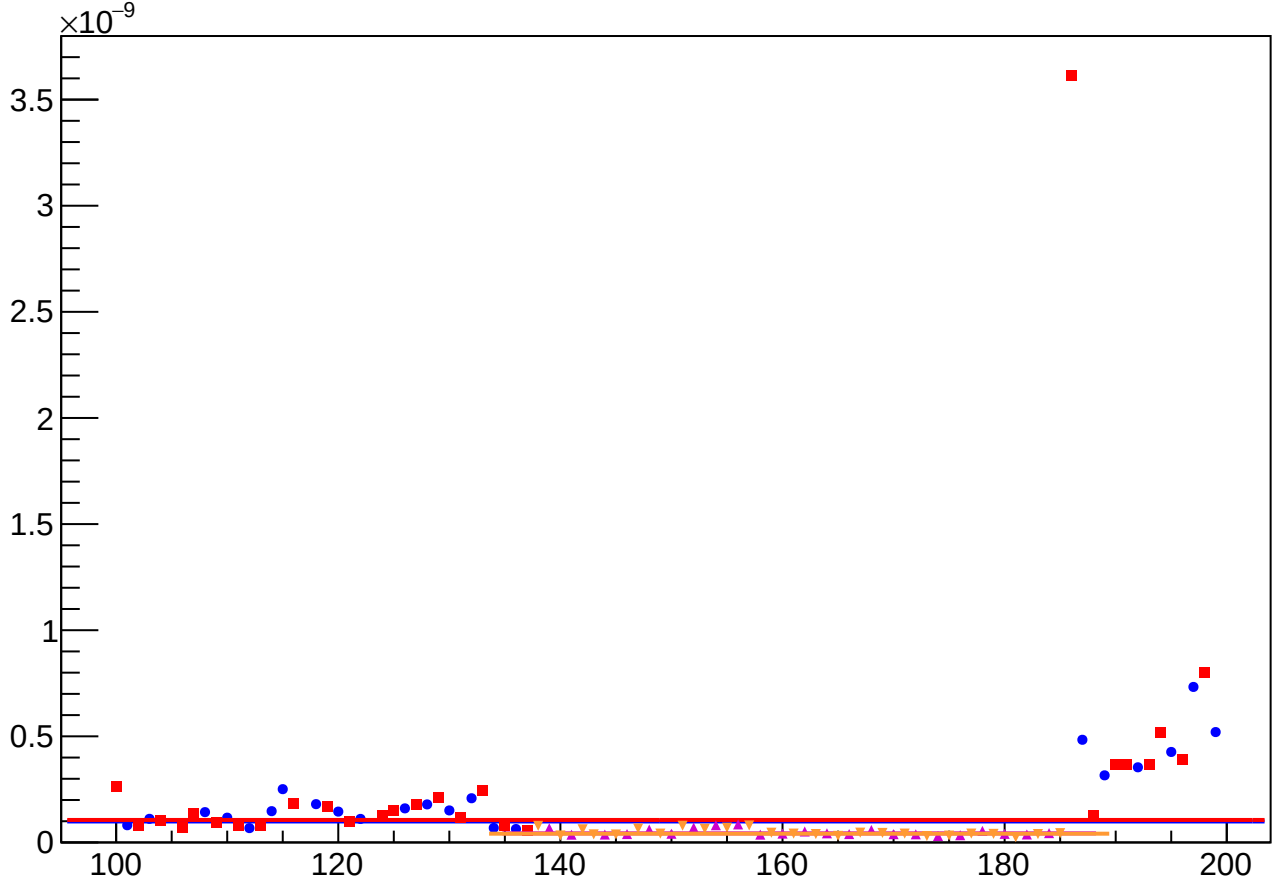
+ sign 2190.339+/-0.292 χ^2/NDF: 5120424.1/46

All: 2193.818+/-0.207 χ^2/NDF: 11131911.8/9

- sign 2197.346+/-0.294 χ^2/NDF: 6011201.9/49


asym_sam4_reg_vs_cor_diff_mean vs Slug
×10^−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: 8.7/21
Left Out: 0.000+/-0.000 χ²/NDF:32.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.8/26
Left In: -0.000+/-0.000 χ²/NDF:20.8/22
+ sign 0.000+/-0.000 χ²/NDF: 41.2/46
All: 0.000+/-0.000 χ²/NDF: 98.9/96
- sign -0.000+/-0.000 χ²/NDF: 57.3/49

asym_sam4_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3204552.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3058005.1/26

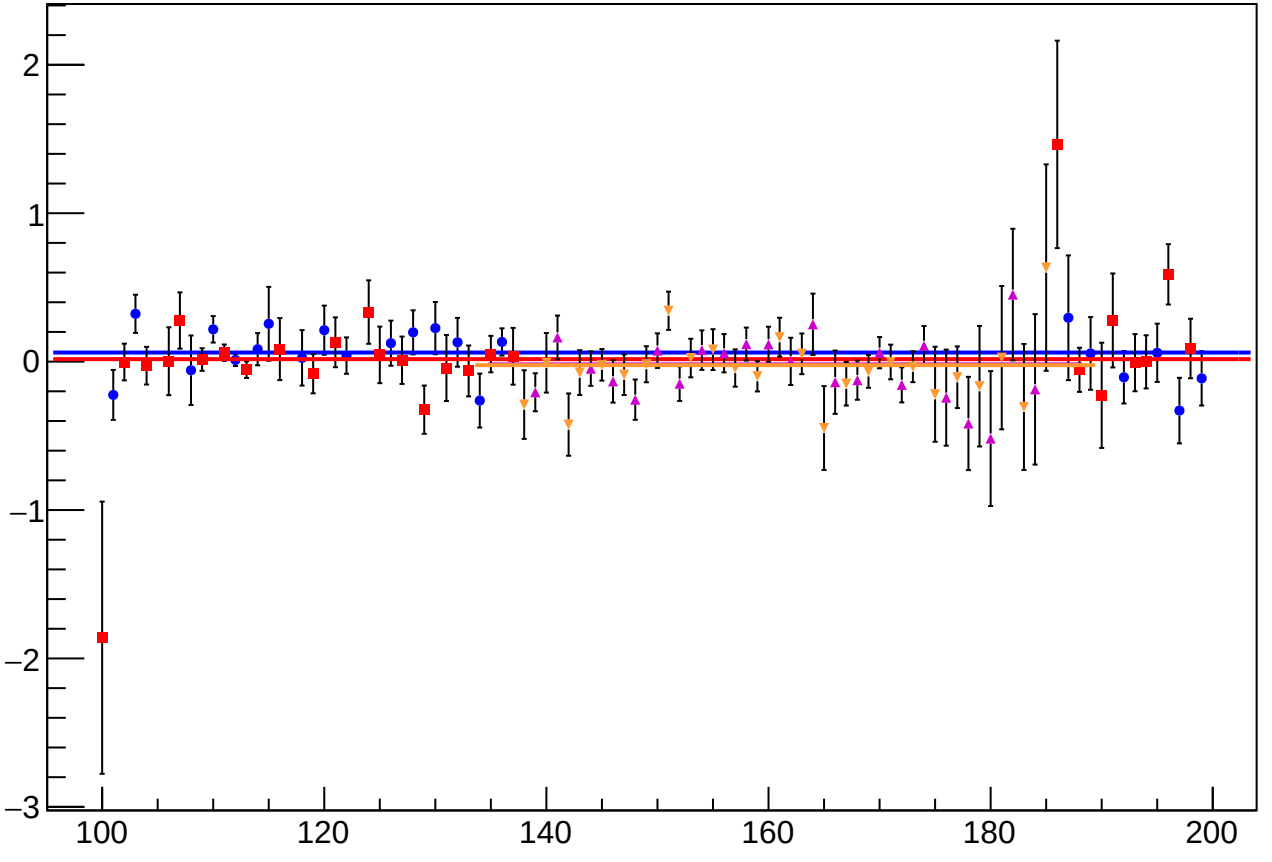
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6693977.5/46

All: 0.000+/-0.000 χ^2/NDF: 13205548.2/96

- sign 0.000+/-0.000 χ^2/NDF: 6488118.2/49

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.017+/-0.025 χ^2/NDF: 30.3/26

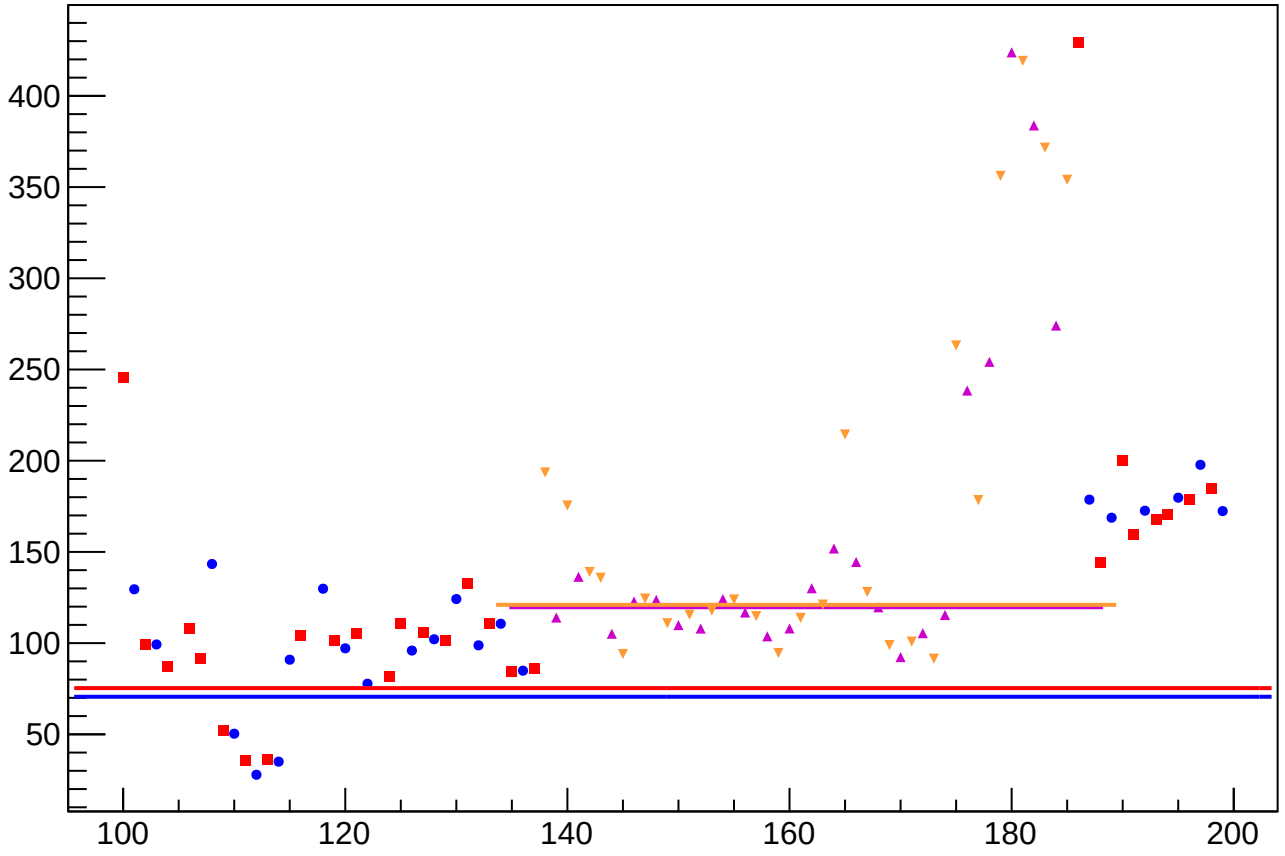
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.025+/-0.020 χ^2/NDF: 51.3/46

All: 0.013+/-0.014 χ^2/NDF: 106.1/96

- sign 0.002+/-0.019 χ^2/NDF: 54.1/49

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 70.605+/-0.018 χ^2/NDF: 6841235.0/21

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 75.329+/-0.018 χ^2/NDF: 6508068.3/26

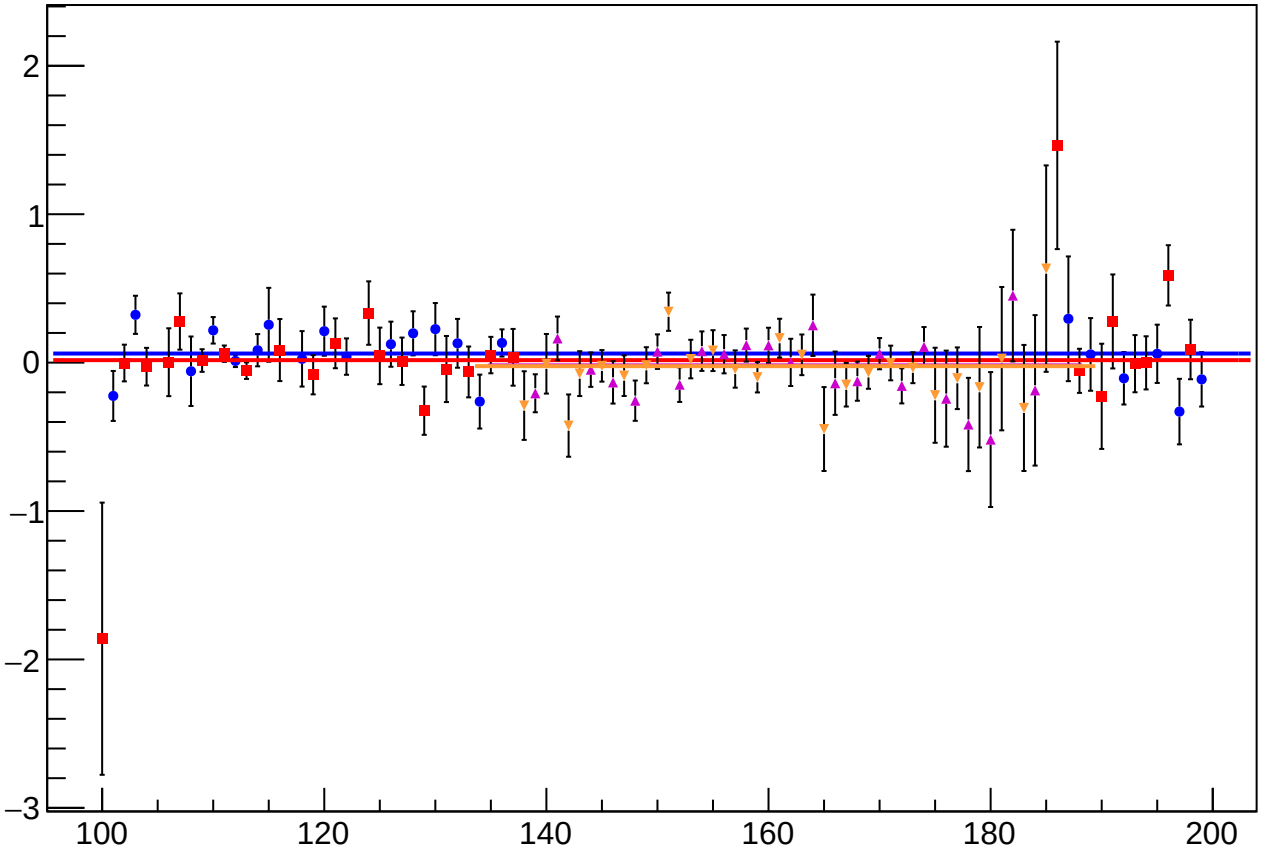
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 92.120+/-0.014 χ^2/NDF: 14191659.9/46

All: 92.868+/-0.010 χ^2/NDF: 26075337.7/96

- sign 93.606+/-0.014 χ^2/NDF: 11877855.3/49

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.017+/-0.025 χ^2/NDF: 30.3/26

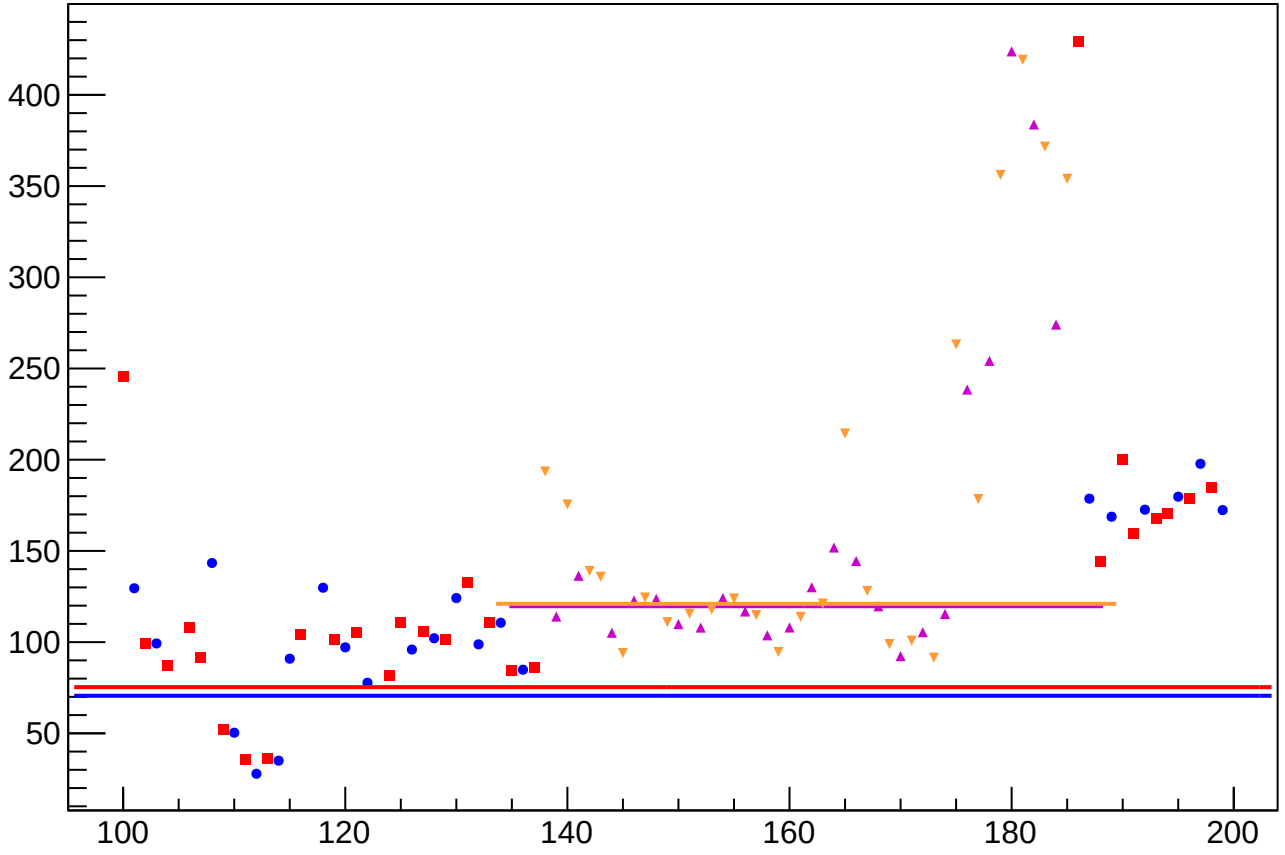
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.025+/-0.020 χ^2/NDF: 51.3/46

All: 0.013+/-0.014 χ^2/NDF: 106.1/96

- sign 0.002+/-0.019 χ^2/NDF: 54.1/49

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.605+/-0.018 χ^2/NDF: 6841235.0/21

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

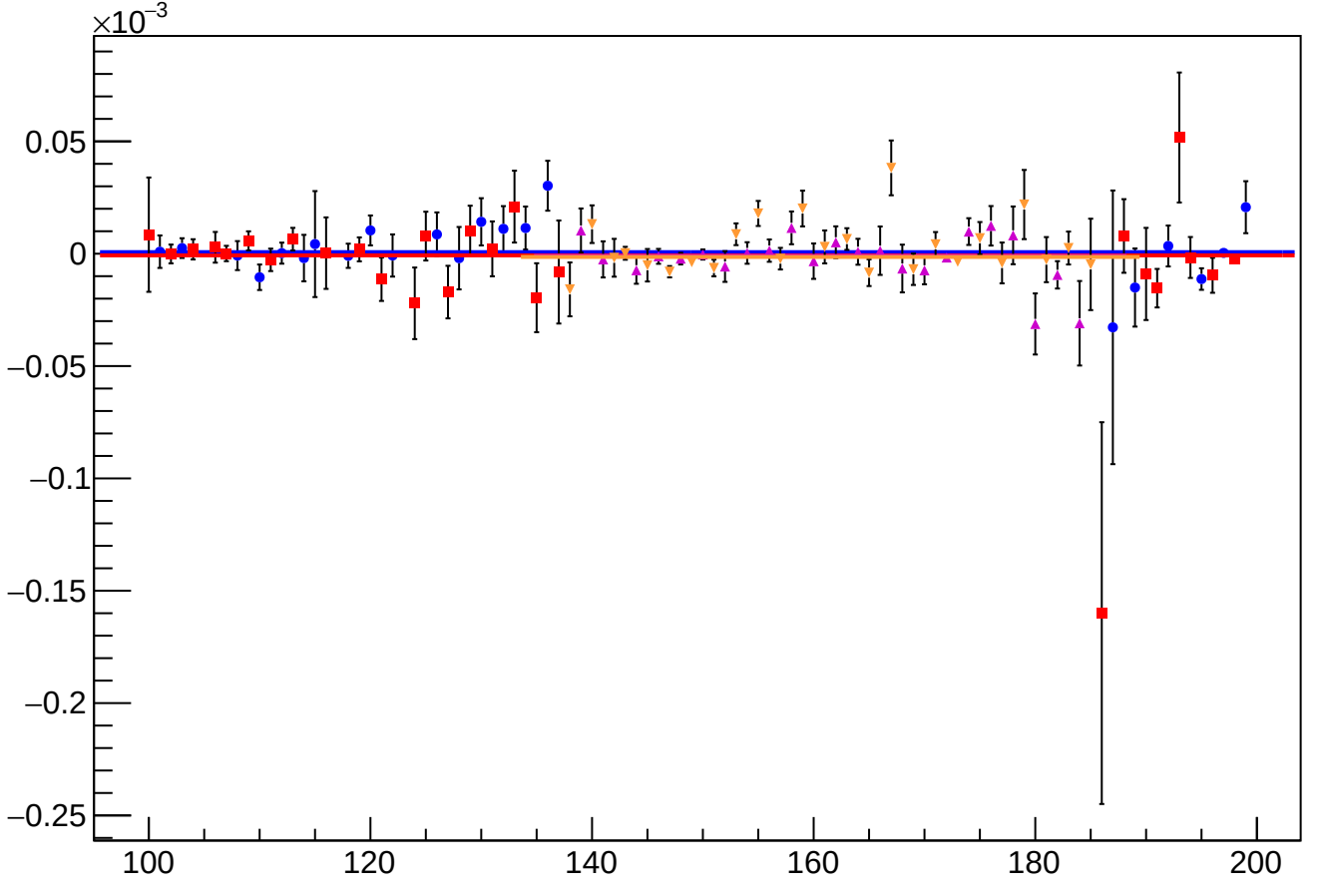
Right Out: 75.329+/-0.018 χ^2/NDF: 6508068.3/26

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 92.120+/-0.014 χ^2/NDF: 14191659.9/46

All: 92.868+/-0.010 χ^2/NDF: 26075337.7/96

- sign 93.606+/-0.014 χ^2/NDF: 11877855.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/26

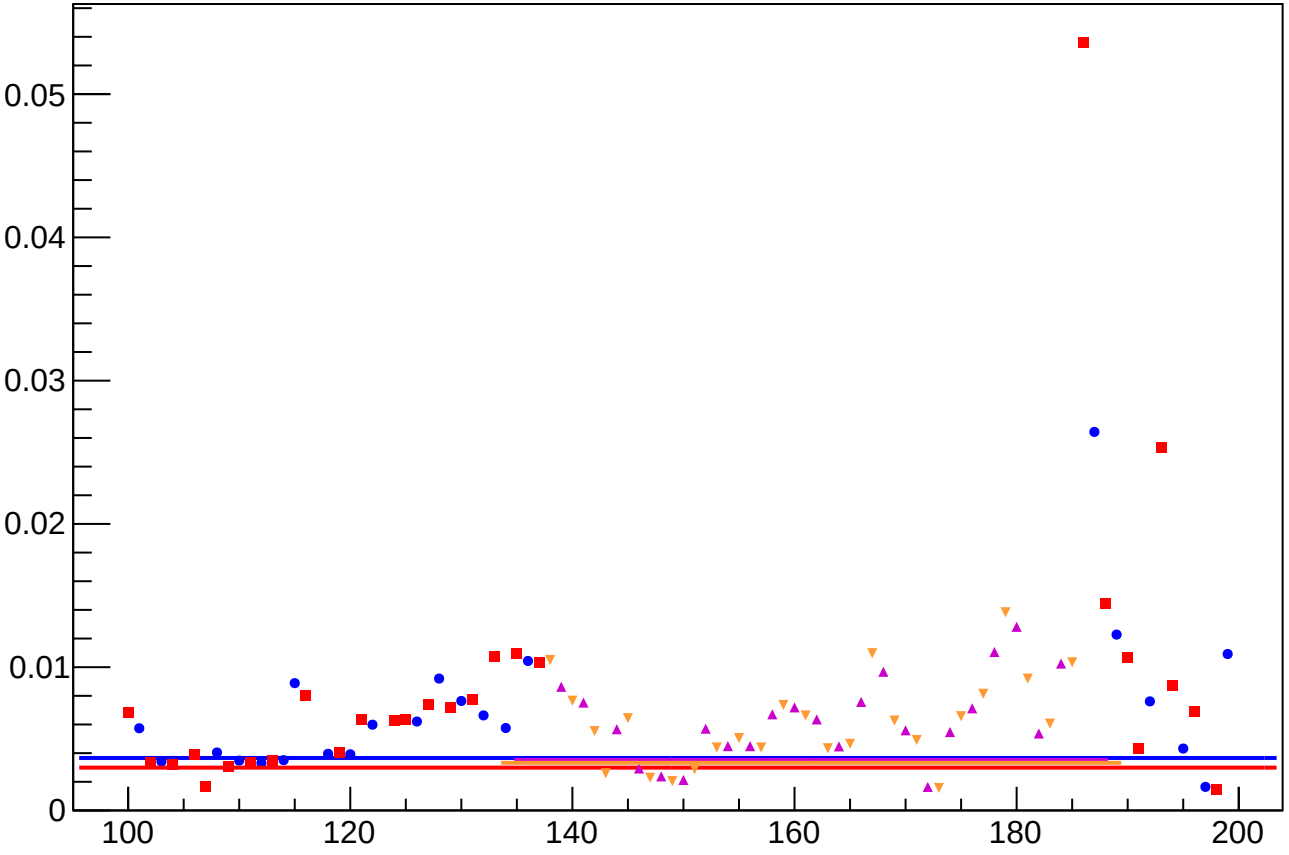
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 90.9/46

All: -0.000+/-0.000 χ^2/NDF: 143.4/96

- sign -0.000+/-0.000 χ^2/NDF: 52.5/49

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5868564.7/21

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9499543.1/26

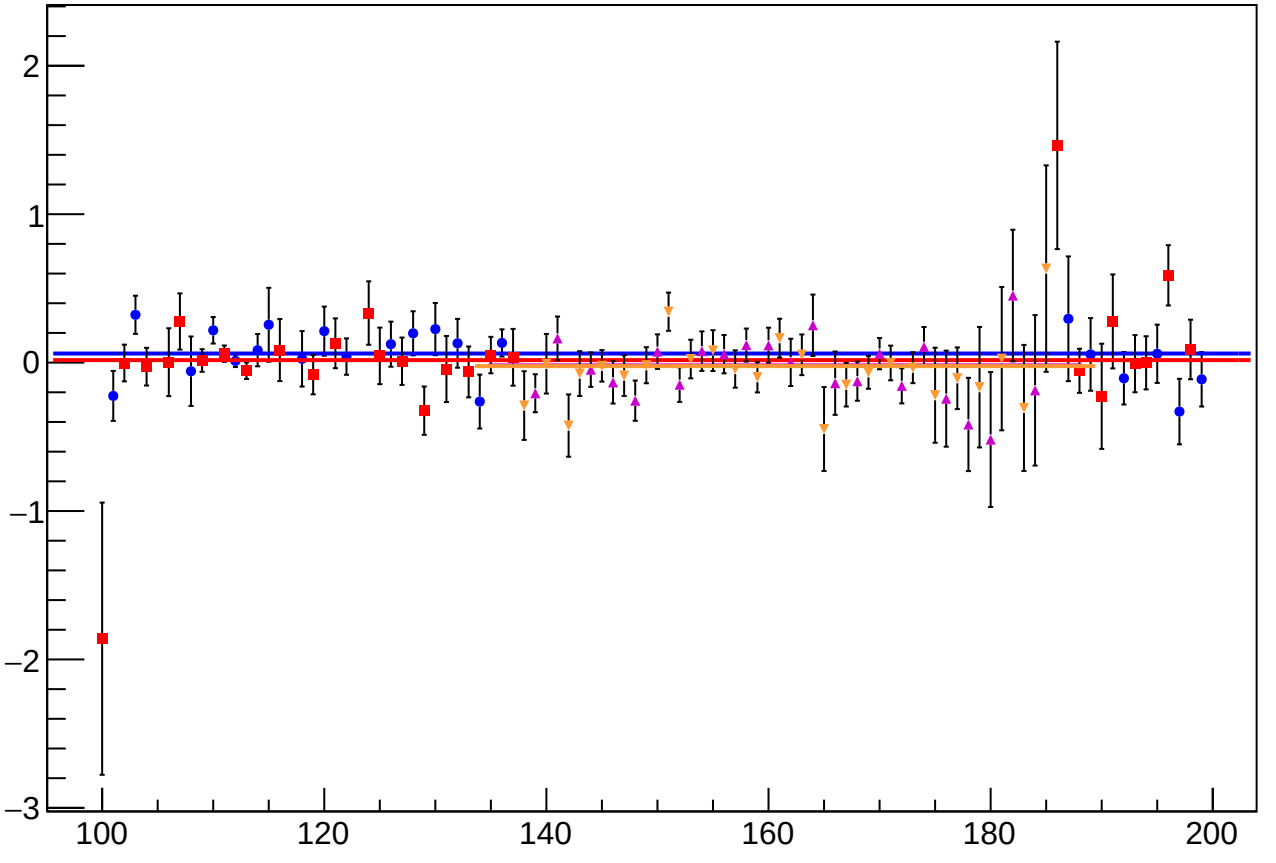
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 16444600.3/46

All: 0.003+/-0.000 χ^2/NDF: 35677598.7/96

- sign 0.003+/-0.000 χ^2/NDF: 19189763.9/49

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.017+/-0.025 χ^2/NDF: 30.3/26

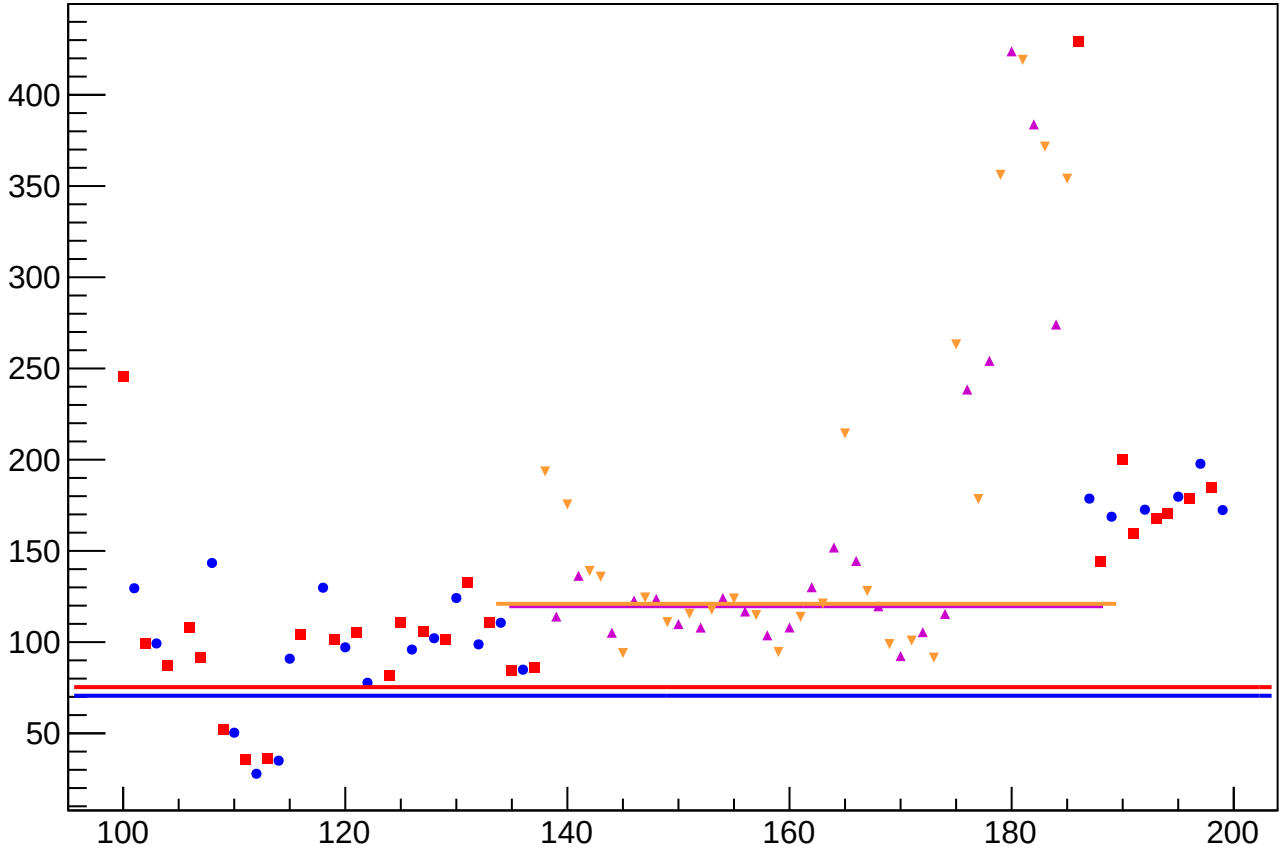
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.025+/-0.020 χ^2/NDF: 51.3/46

All: 0.013+/-0.014 χ^2/NDF: 106.1/96

- sign 0.002+/-0.019 χ^2/NDF: 54.1/49

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.602+/-0.018 χ^2/NDF: 6841588.5/21

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

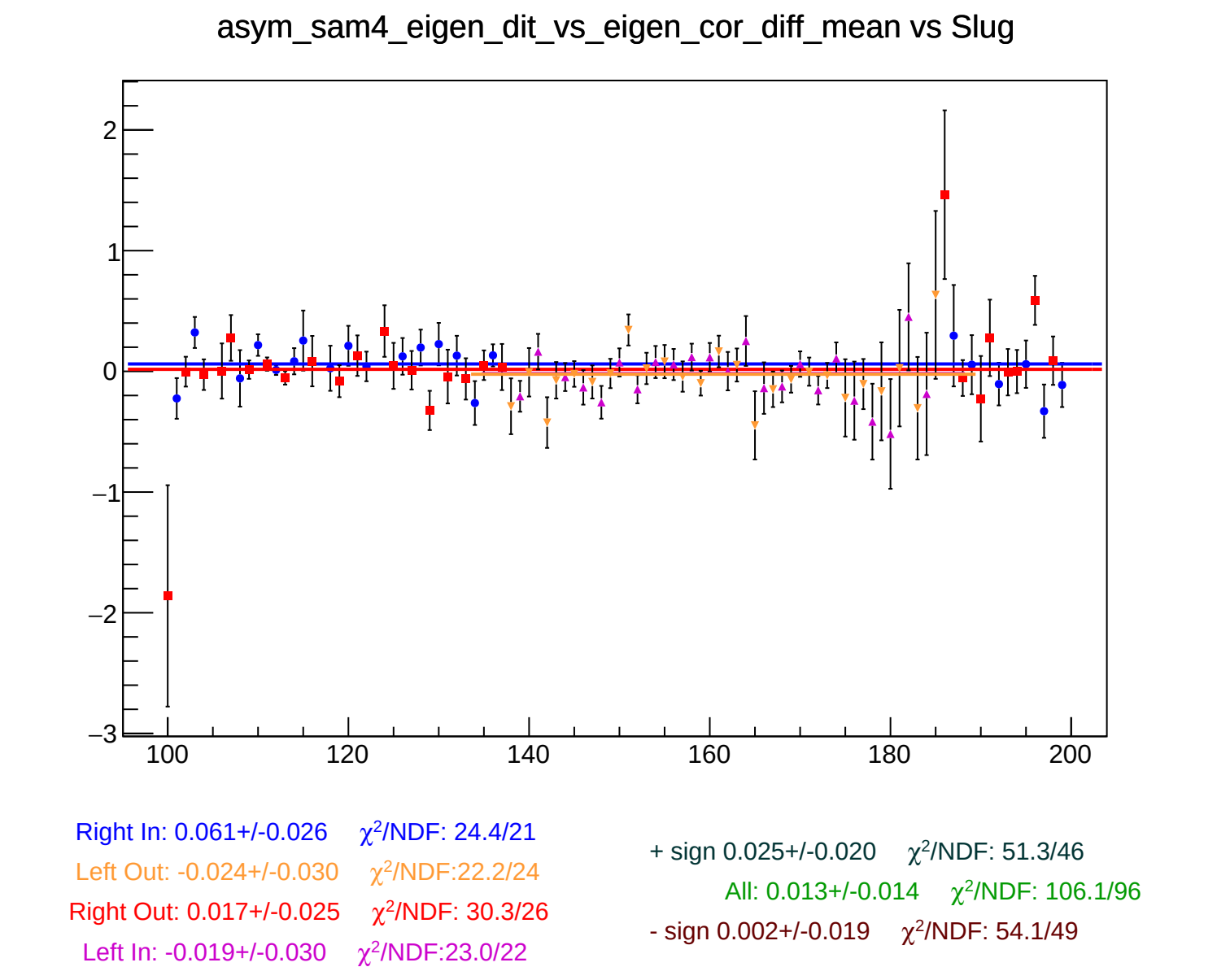
Right Out: 75.327+/-0.018 χ^2/NDF: 6508452.8/26

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

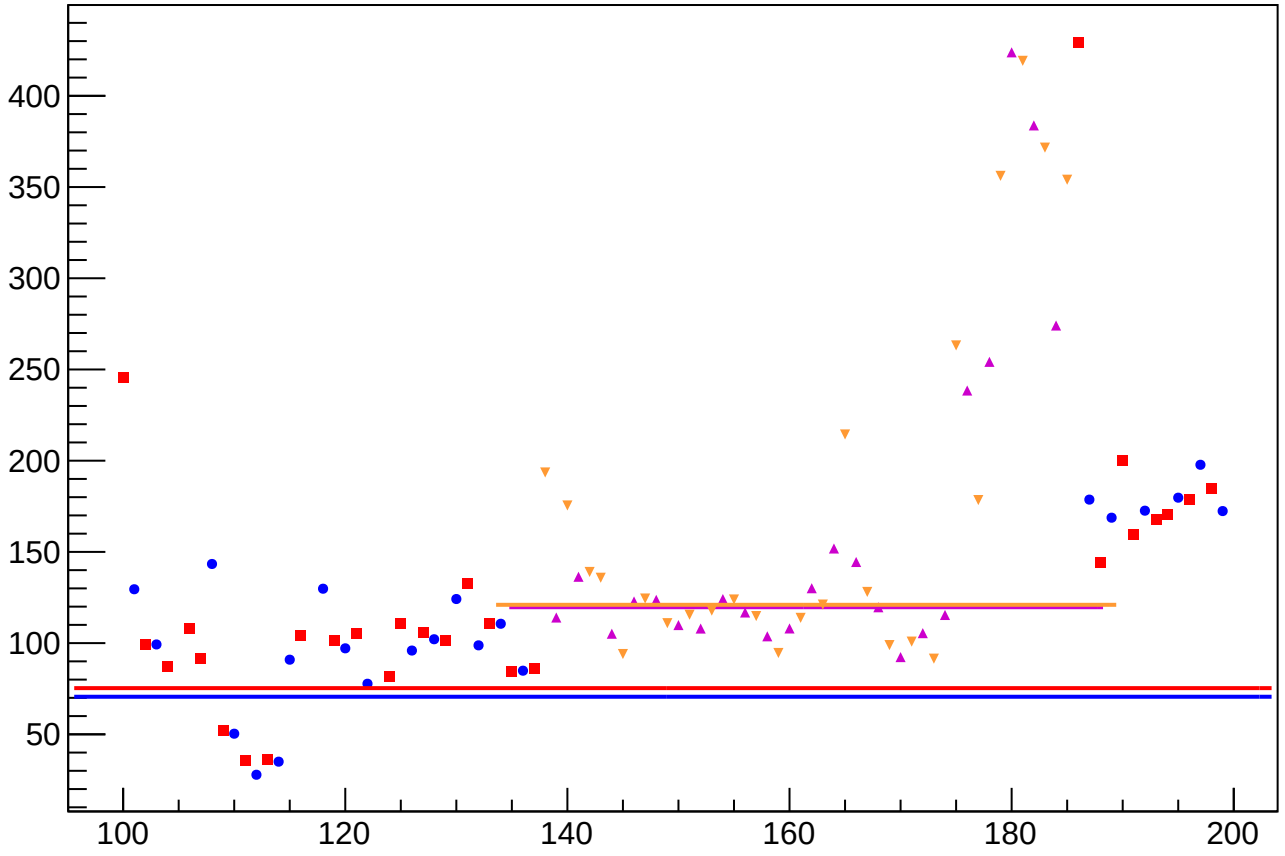
\+ sign 92.118+/-0.014 χ^2/NDF: 14192410.2/46

All: 92.866+/-0.010 χ^2/NDF: 26076754.2/96

\- sign 93.604+/-0.014 χ^2/NDF: 11878518.7/49


asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.061+/-0.026 χ²/NDF: 24.4/21
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 0.025+/-0.020 χ²/NDF: 51.3/46
All: 0.013+/-0.014 χ²/NDF: 106.1/96
- sign 0.002+/-0.019 χ²/NDF: 54.1/49

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.602+/-0.018 χ^2/NDF: 6841588.5/21

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 75.327+/-0.018 χ^2/NDF: 6508452.8/26

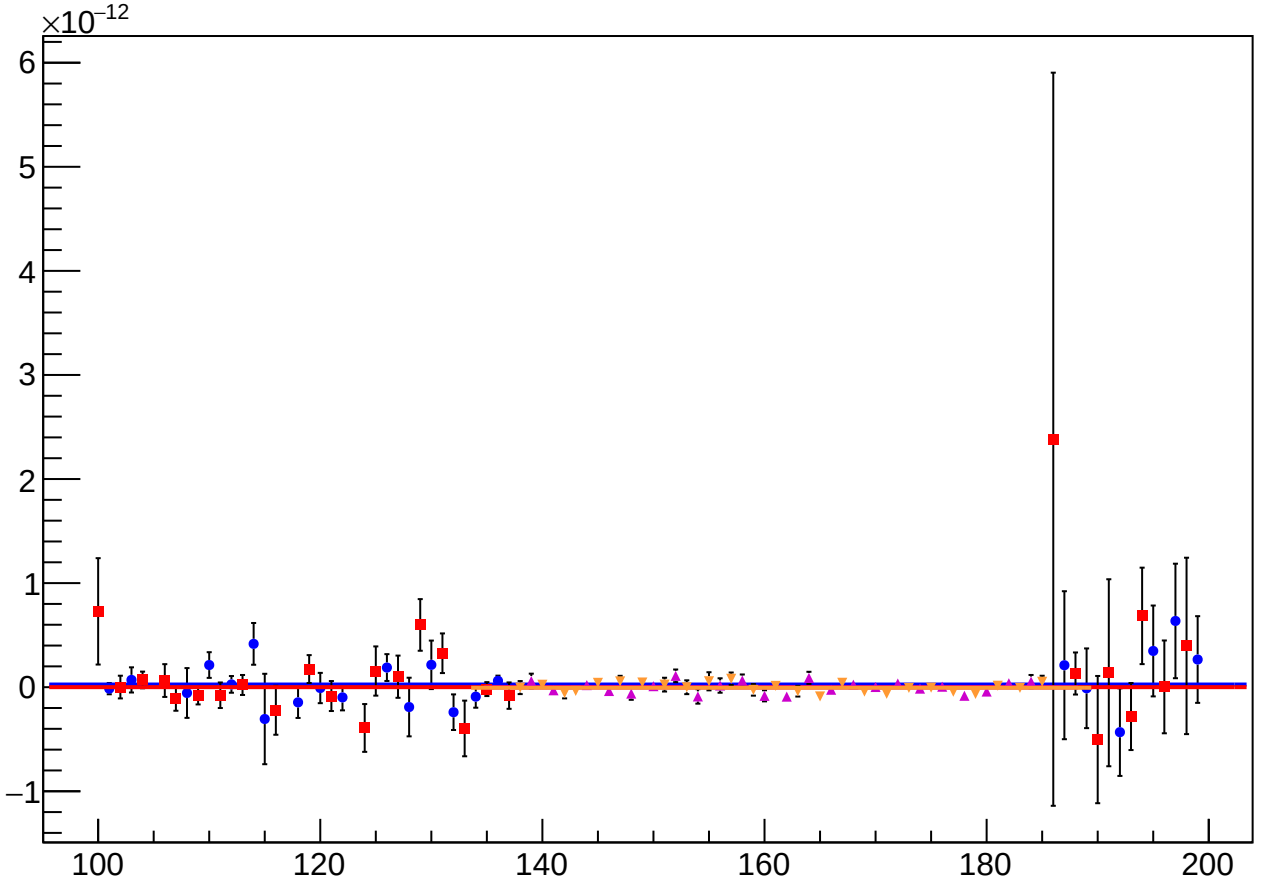
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 92.118+/-0.014 χ^2/NDF: 14192410.2/46

All: 92.866+/-0.010 χ^2/NDF: 26076754.2/96

- 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: 20.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/26

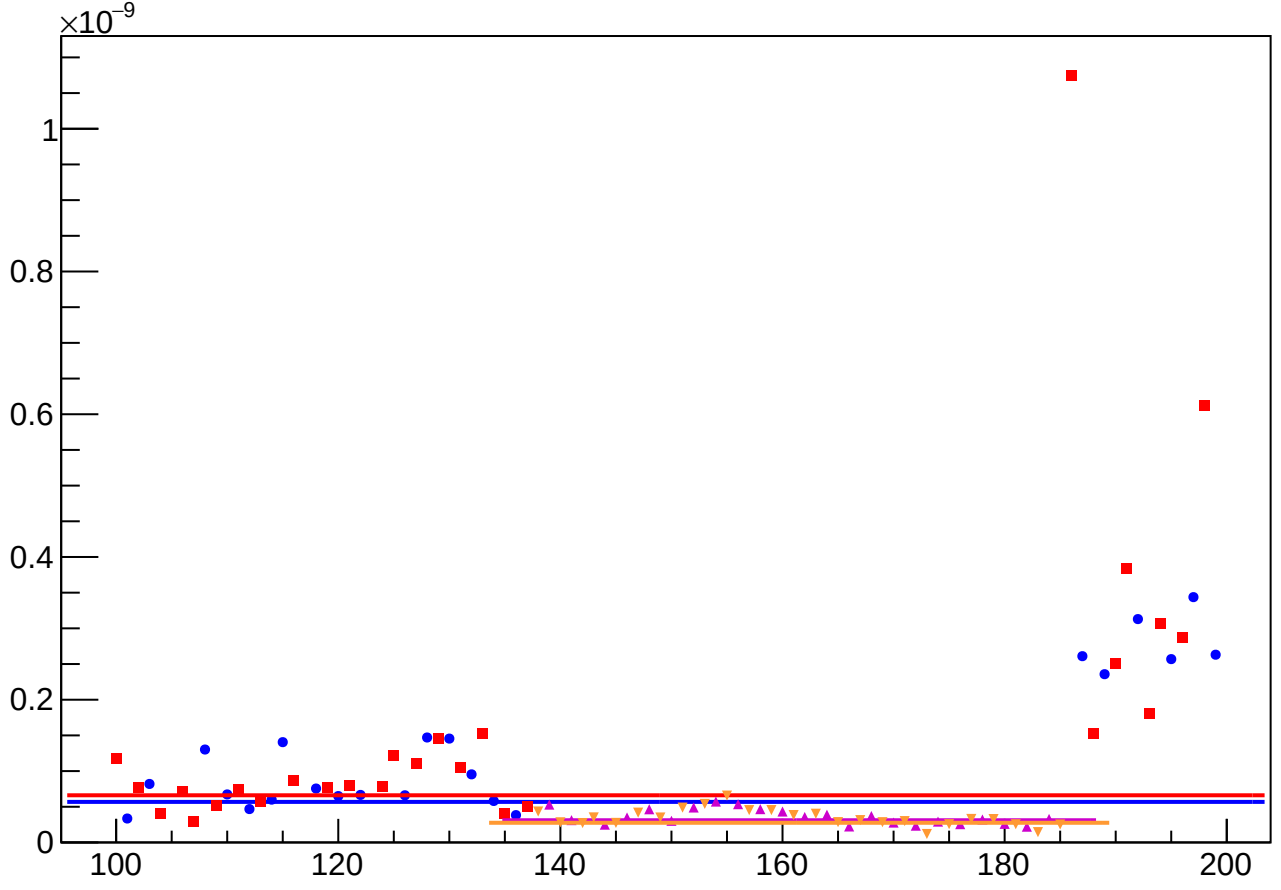
Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.7/46

All: -0.000+/-0.000 χ^2/NDF: 99.3/96

- sign -0.000+/-0.000 χ^2/NDF: 55.5/49

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4500737.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4707086.4/26

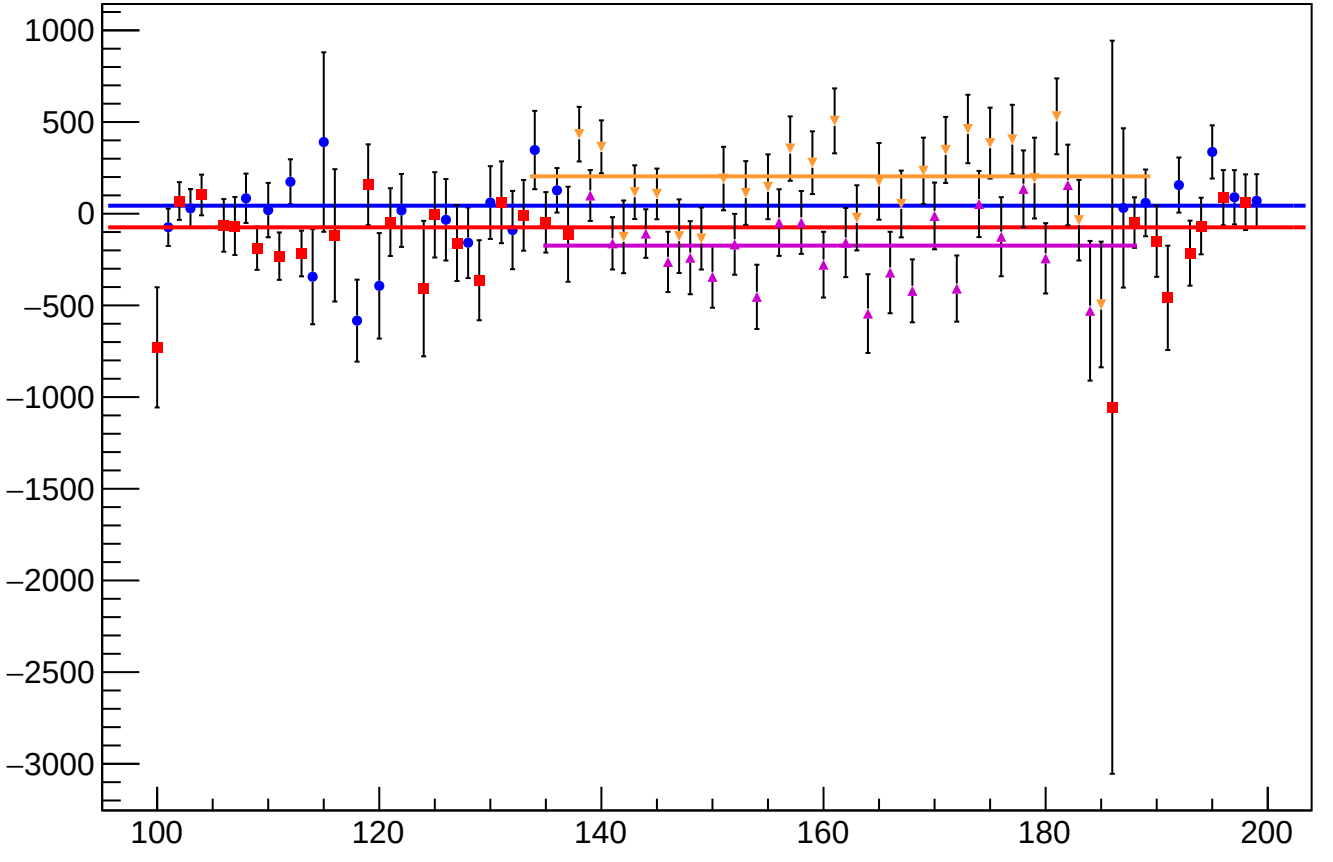
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10513171.4/46

All: 0.000+/-0.000 χ^2/NDF: 20198871.5/96

- sign 0.000+/-0.000 χ^2/NDF: 9427578.3/49

reg_asym_sam5_mean vs Slug



Right In: 43.740+/-34.613 χ^2/NDF: 24.4/21

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -74.234+/-32.460 χ^2/NDF: 21.6/26

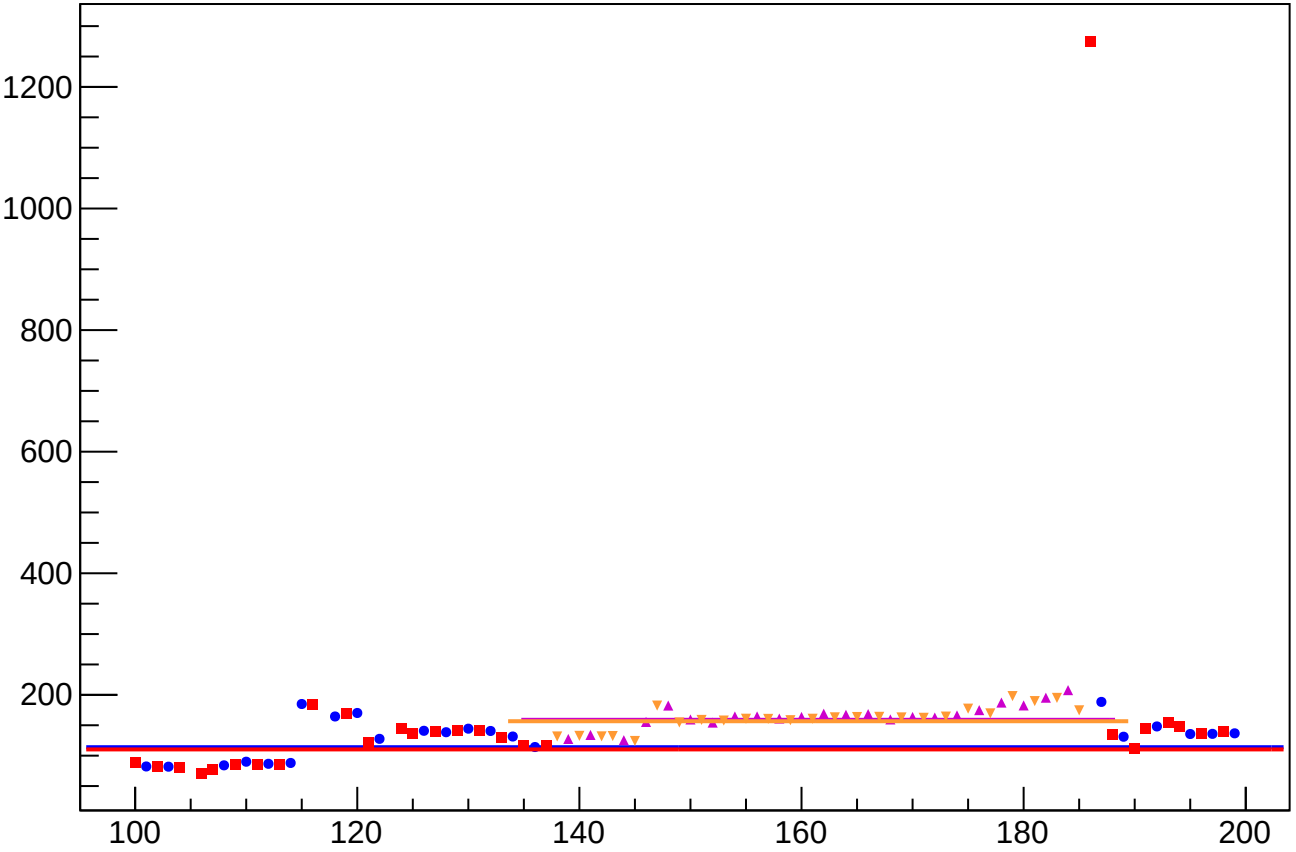
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 120.879+/-24.910 χ^2/NDF: 67.6/46

All: 0.003+/-17.473 χ^2/NDF: 164.1/96

- sign -117.079+/-24.516 χ^2/NDF: 50.1/49

reg_asym_sam5_rms vs Slug



Right In: 113.898+/-0.024 χ^2/NDF: 1350213.6/21

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 110.262+/-0.023 χ^2/NDF: 2355373.5/26

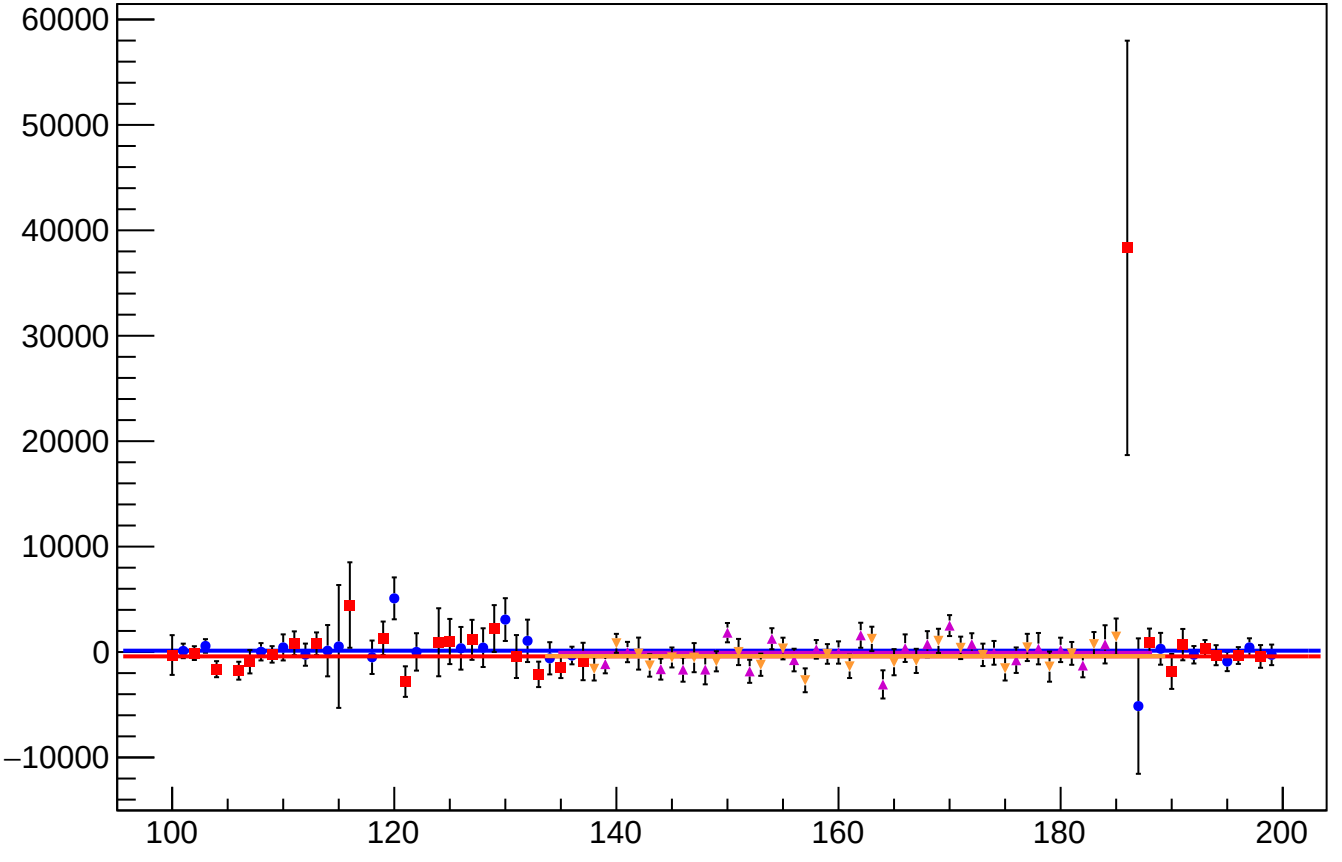
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.501+/-0.018 χ^2/NDF: 3402678.3/46

All: 132.813+/-0.012 χ^2/NDF: 8220484.6/96

- sign 131.178+/-0.017 χ^2/NDF: 4799723.6/49

asym_sam5_reg_correction_mean vs Slug



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -412.903+/-222.161 χ^2/NDF: 26.3/26

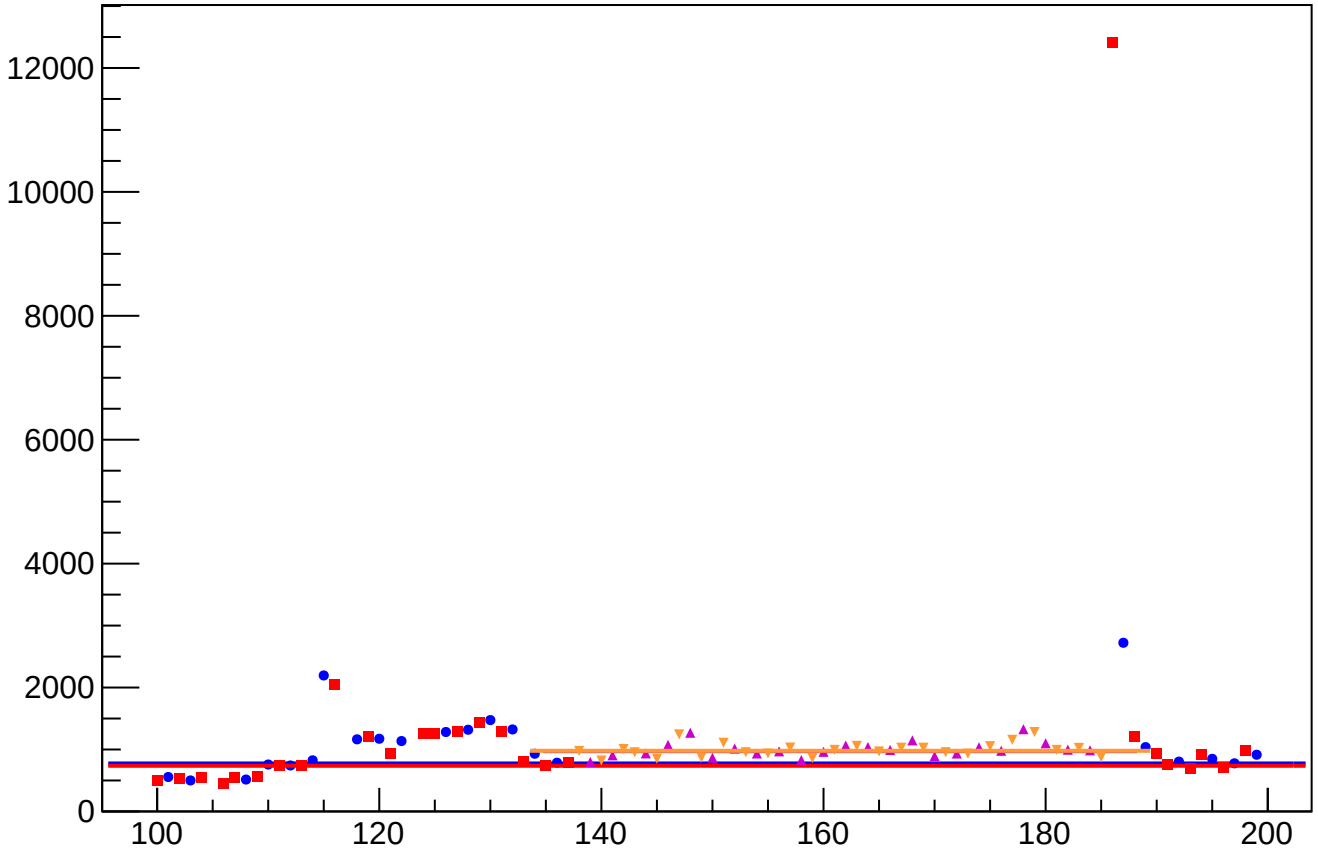
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -145.239+/-164.496 χ^2/NDF: 33.6/46

All: -198.844+/-114.590 χ^2/NDF: 94.3/96

- sign -249.382+/-159.720 χ^2/NDF: 60.5/49

asym_sam5_reg_correction_rms vs Slug



Right In: 774.626+/-0.171 χ^2/NDF: 2181830.5/21

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 737.502+/-0.157 χ^2/NDF: 3084572.4/26

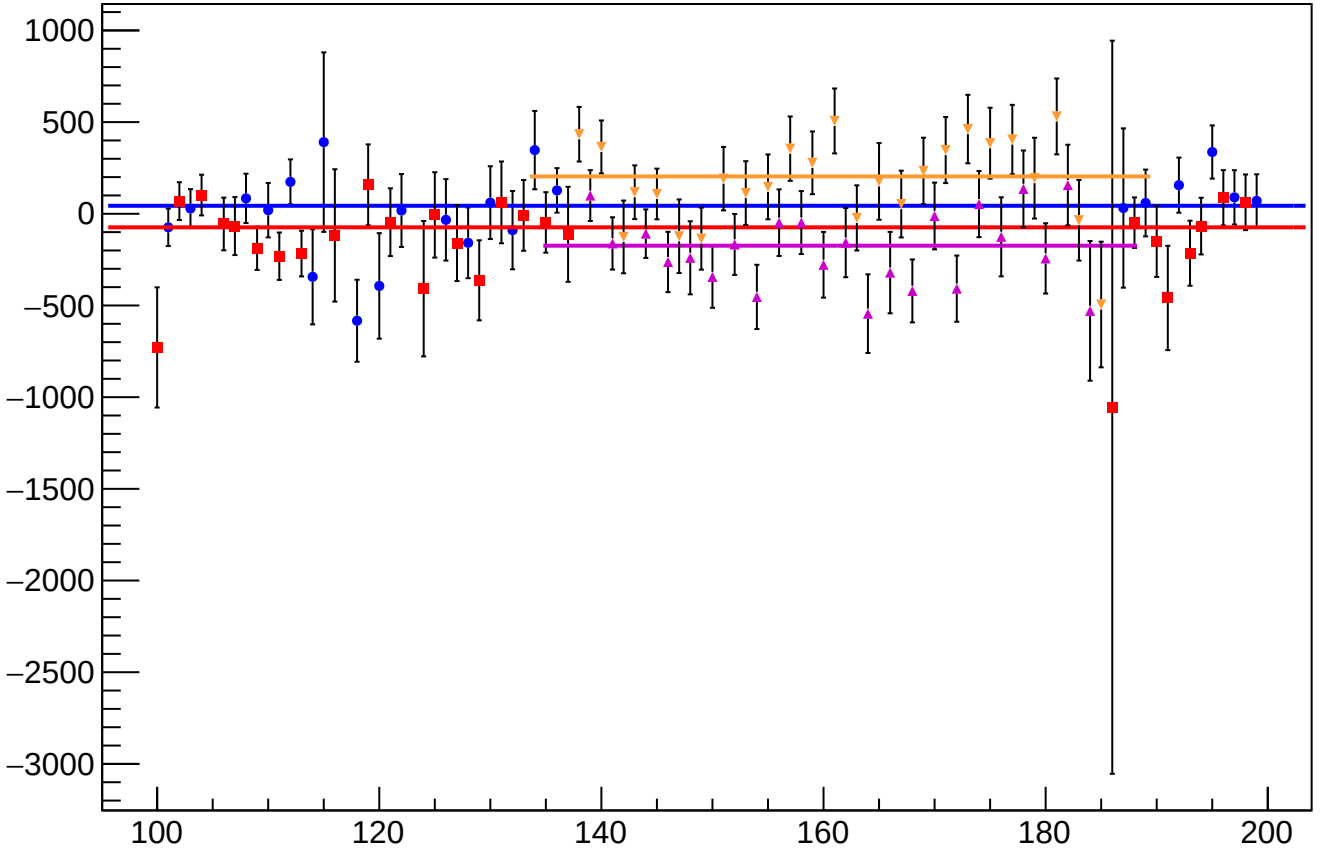
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 884.358+/-0.116 χ^2/NDF: 3380130.4/46

All: 867.534+/-0.081 χ^2/NDF: 8097264.1/96

- sign 851.673+/-0.113 χ^2/NDF: 4676490.4/49

cor_asym_sam5_mean vs Slug



Right In: 43.734+/-34.613 χ^2/NDF: 24.4/21

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -73.843+/-32.462 χ^2/NDF: 21.6/26

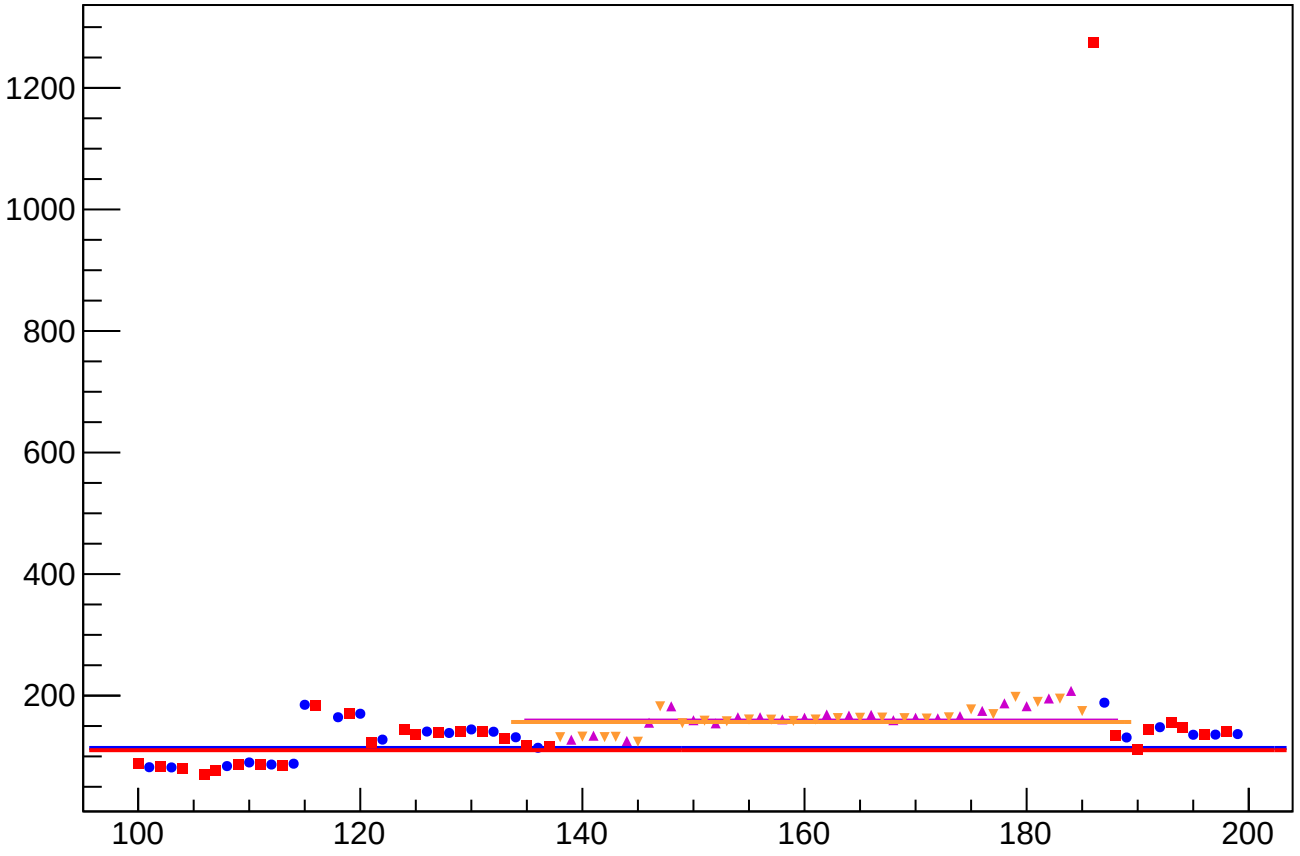
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 120.879+/-24.910 χ^2/NDF: 67.6/46

All: 0.117+/-17.473 χ^2/NDF: 164.0/96

- sign -116.860+/-24.517 χ^2/NDF: 50.2/49

cor_asym_sam5_rms vs Slug



Right In: 113.898+/-0.024 χ^2/NDF: 1350212.5/21

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 110.246+/-0.023 χ^2/NDF: 2358252.9/26

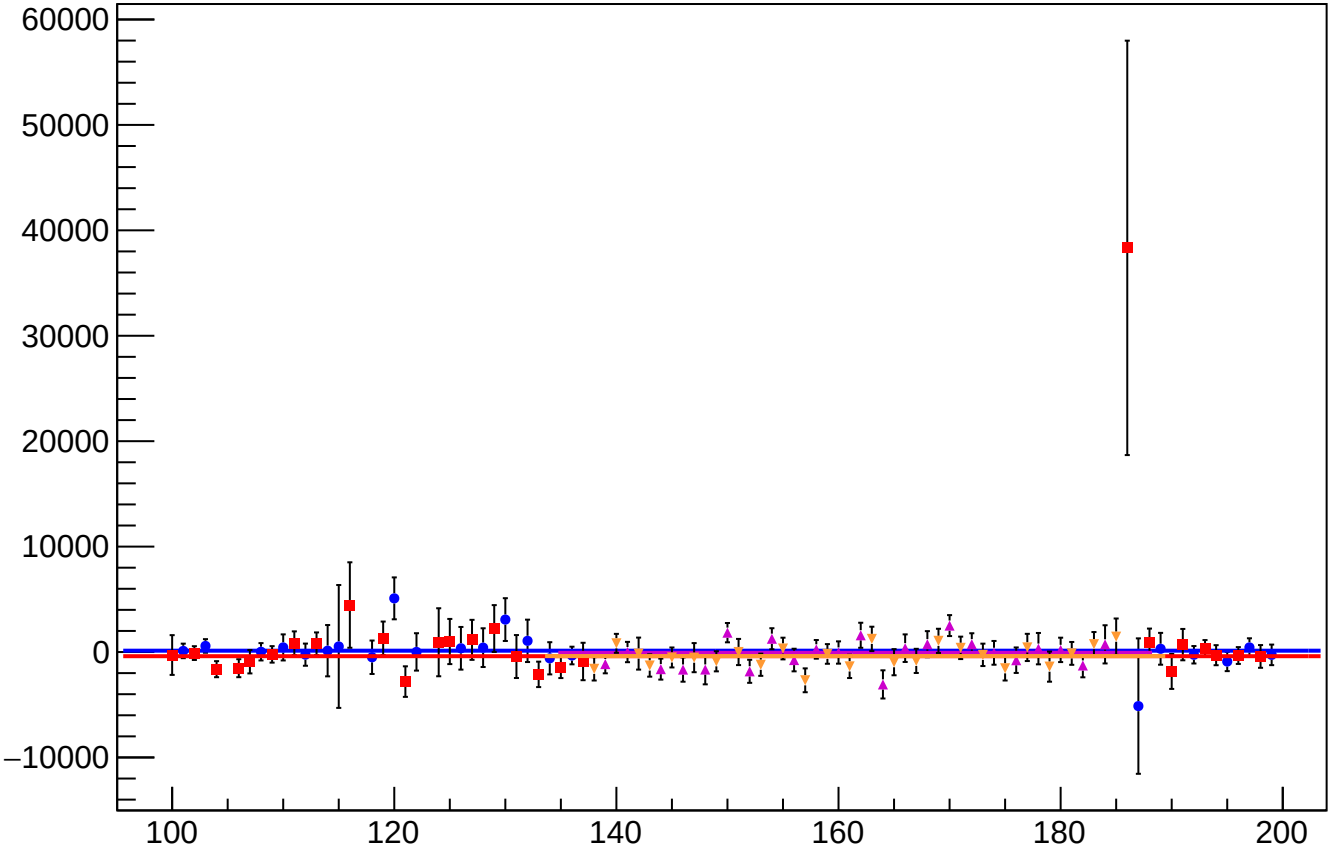
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.501+/-0.018 χ^2/NDF: 3402676.3/46

All: 132.809+/-0.012 χ^2/NDF: 8224666.5/96

- sign 131.170+/-0.017 χ^2/NDF: 4803819.4/49

asym_sam5_cor_correction_mean vs Slug



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -395.270+/-222.261 χ^2/NDF: 25.5/26

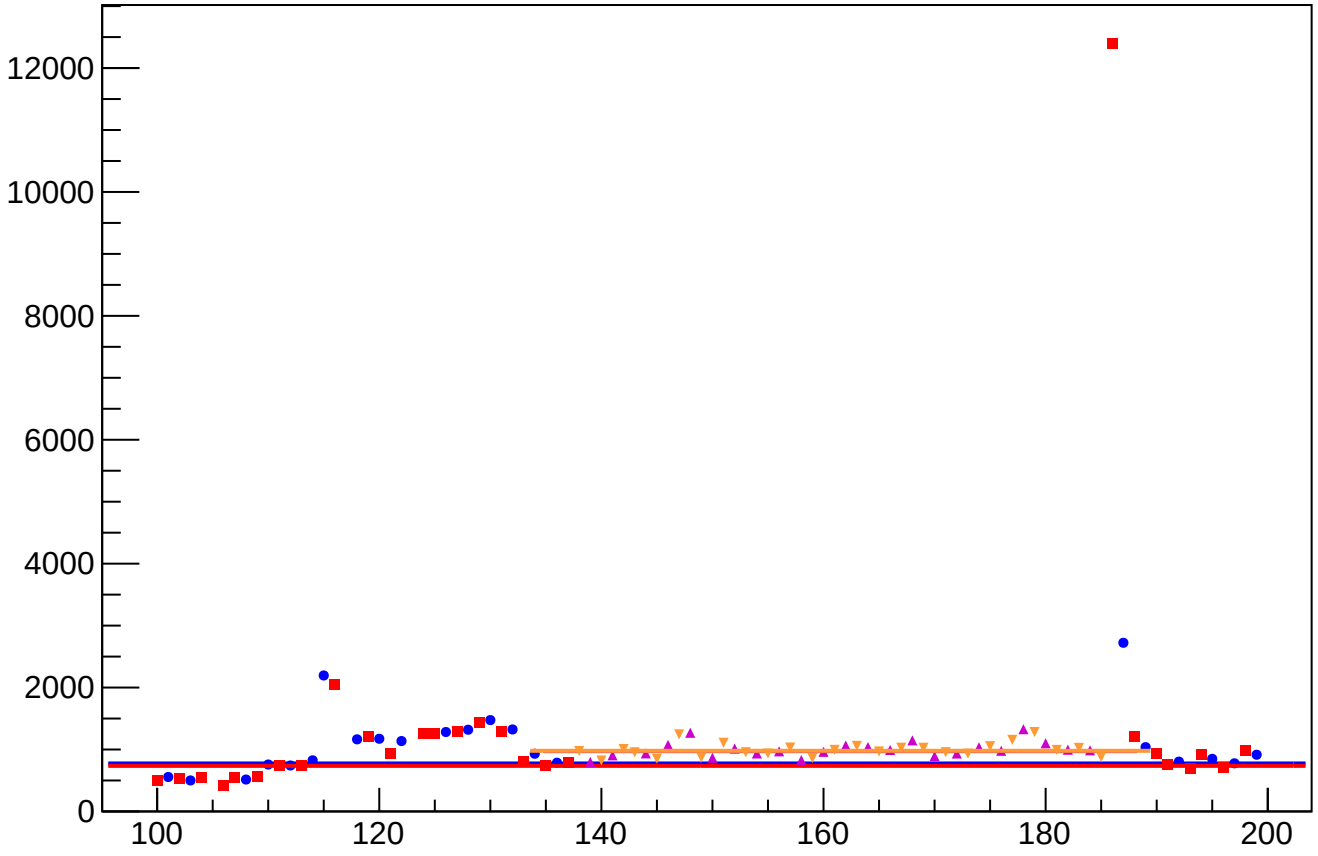
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -145.232+/-164.496 χ^2/NDF: 33.6/46

All: -194.101+/-114.604 χ^2/NDF: 93.3/96

- sign -240.195+/-159.757 χ^2/NDF: 59.6/49

asym_sam5_cor_correction_rms vs Slug



Right In: 774.626+/-0.171 χ^2/NDF: 2181833.4/21

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 736.106+/-0.157 χ^2/NDF: 3121748.3/26

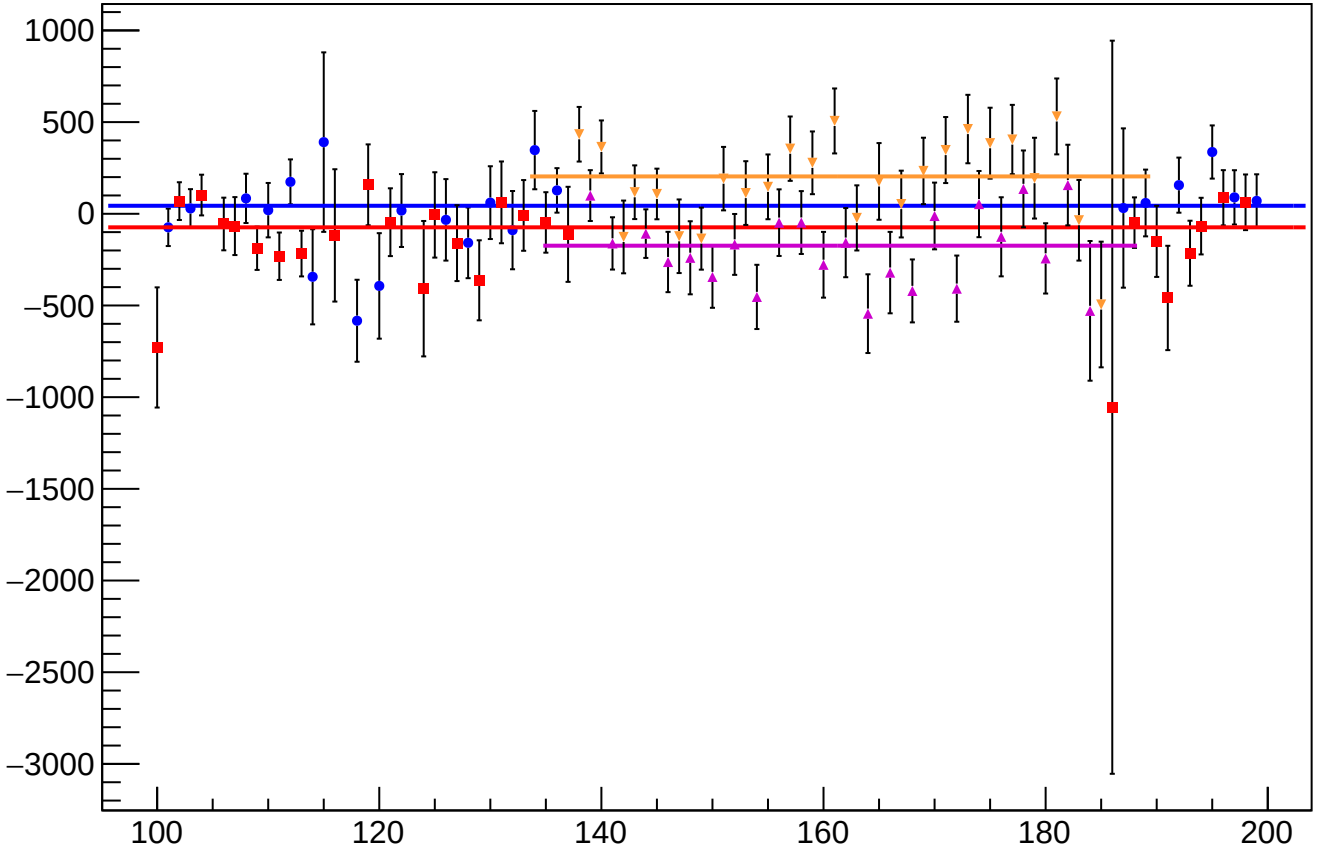
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 884.358+/-0.116 χ^2/NDF: 3380135.7/46

All: 867.194+/-0.081 χ^2/NDF: 8148596.3/96

- sign 851.005+/-0.113 χ^2/NDF: 4726147.1/49

eigen_cor_asym_sam5_mean vs Slug



Right In: 43.734+/-34.613 χ^2/NDF: 24.4/21

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -73.843+/-32.462 χ^2/NDF: 21.6/26

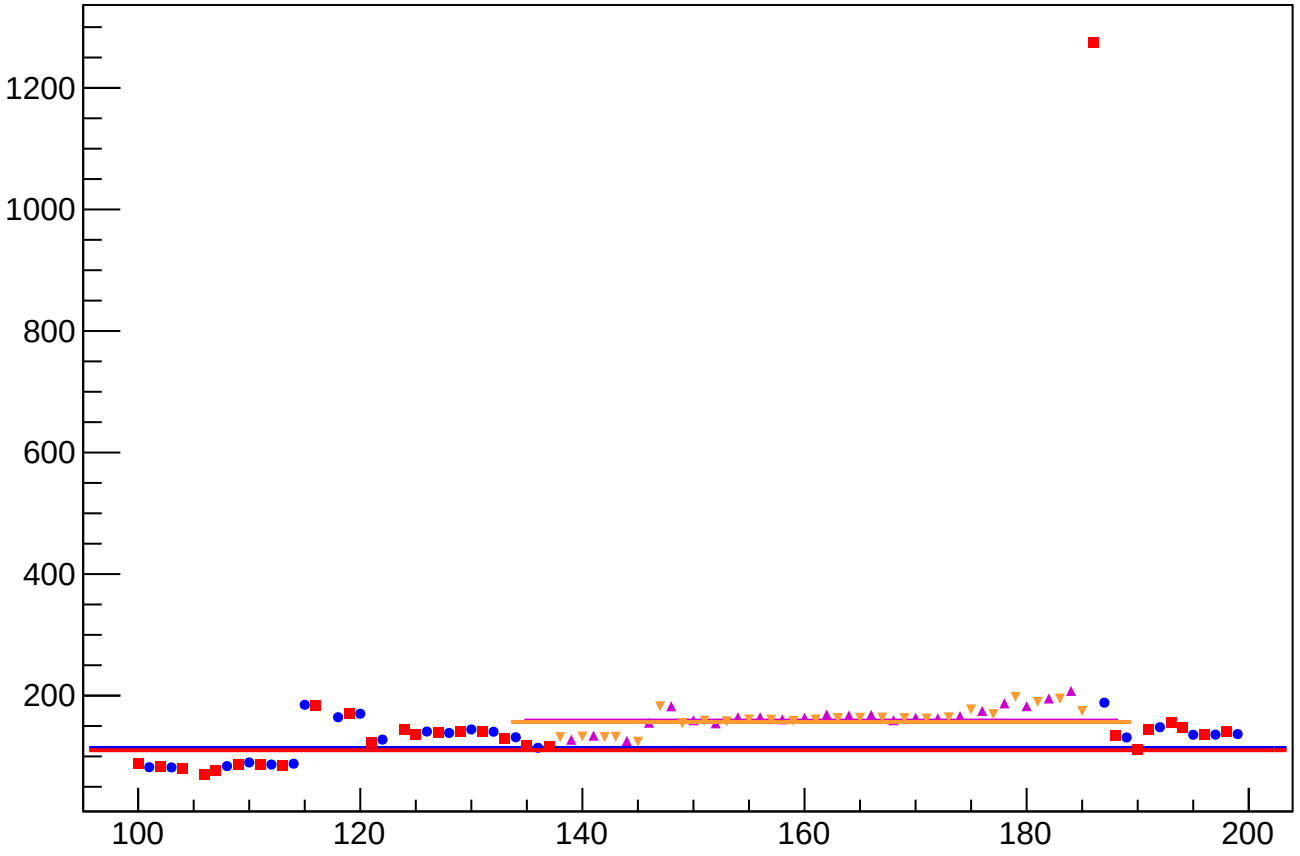
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 120.879+/-24.910 χ^2/NDF: 67.6/46

All: 0.117+/-17.473 χ^2/NDF: 164.0/96

- sign -116.860+/-24.517 χ^2/NDF: 50.2/49

eigen_cor_asym_sam5_rms vs Slug



Right In: 113.898+/-0.024 χ^2/NDF: 1350212.5/21

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 110.246+/-0.023 χ^2/NDF: 2358252.9/26

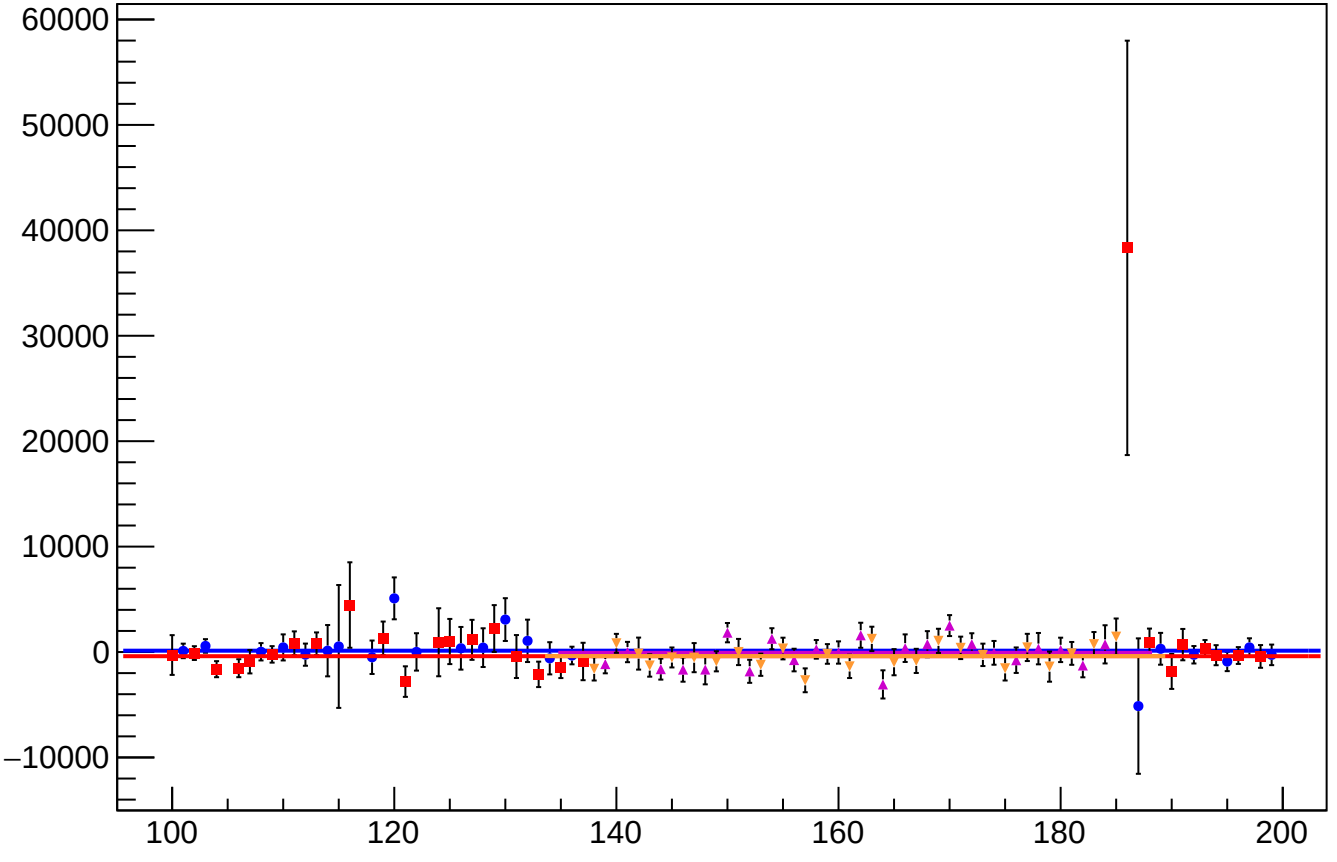
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.501+/-0.018 χ^2/NDF: 3402676.3/46

All: 132.809+/-0.012 χ^2/NDF: 8224666.5/96

- sign 131.170+/-0.017 χ^2/NDF: 4803819.4/49

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -395.270+/-222.261 χ^2/NDF: 25.5/26

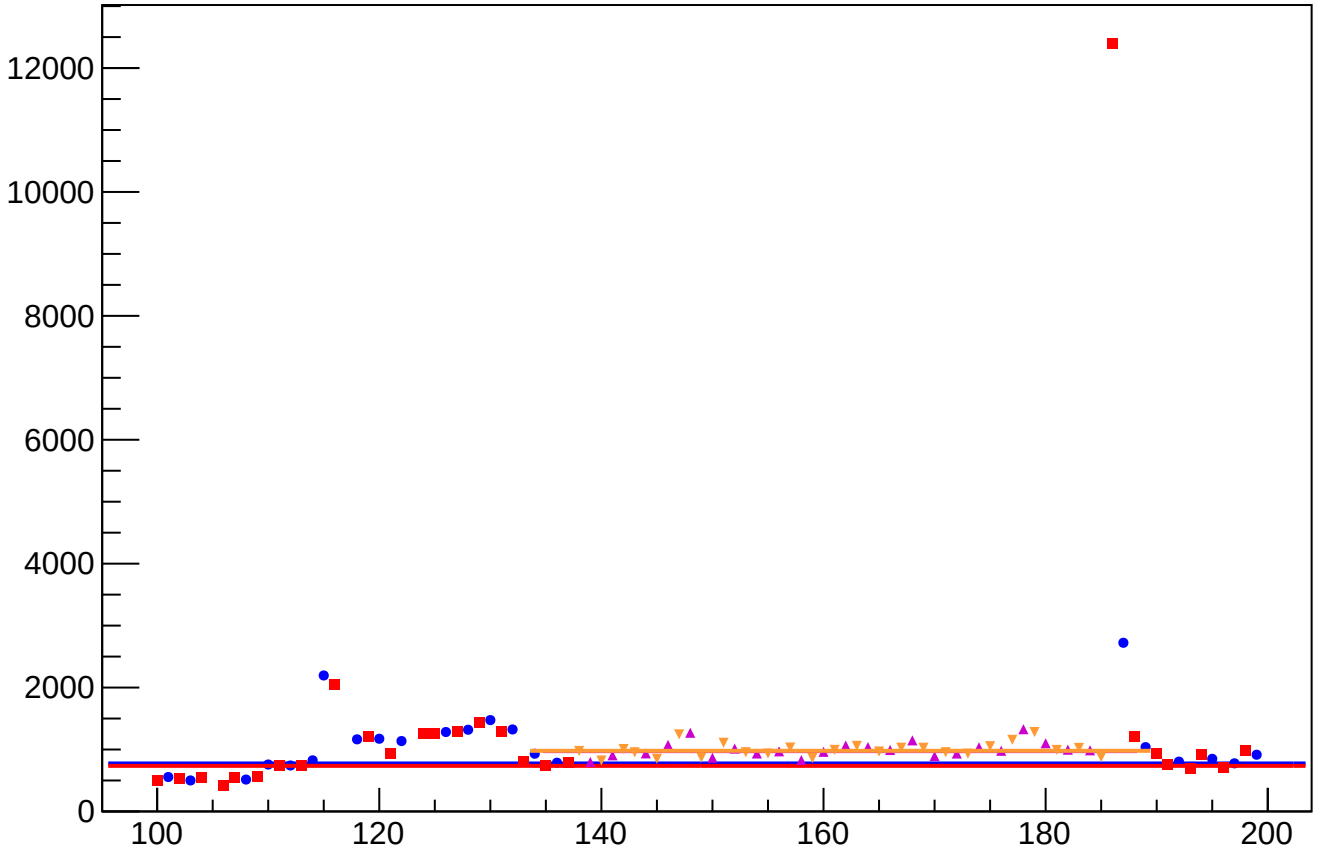
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -145.232+/-164.496 χ^2/NDF: 33.6/46

All: -194.101+/-114.604 χ^2/NDF: 93.3/96

- sign -240.195+/-159.757 χ^2/NDF: 59.6/49

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 774.626+/-0.171 χ^2/NDF: 2181833.4/21

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 736.106+/-0.157 χ^2/NDF: 3121748.3/26

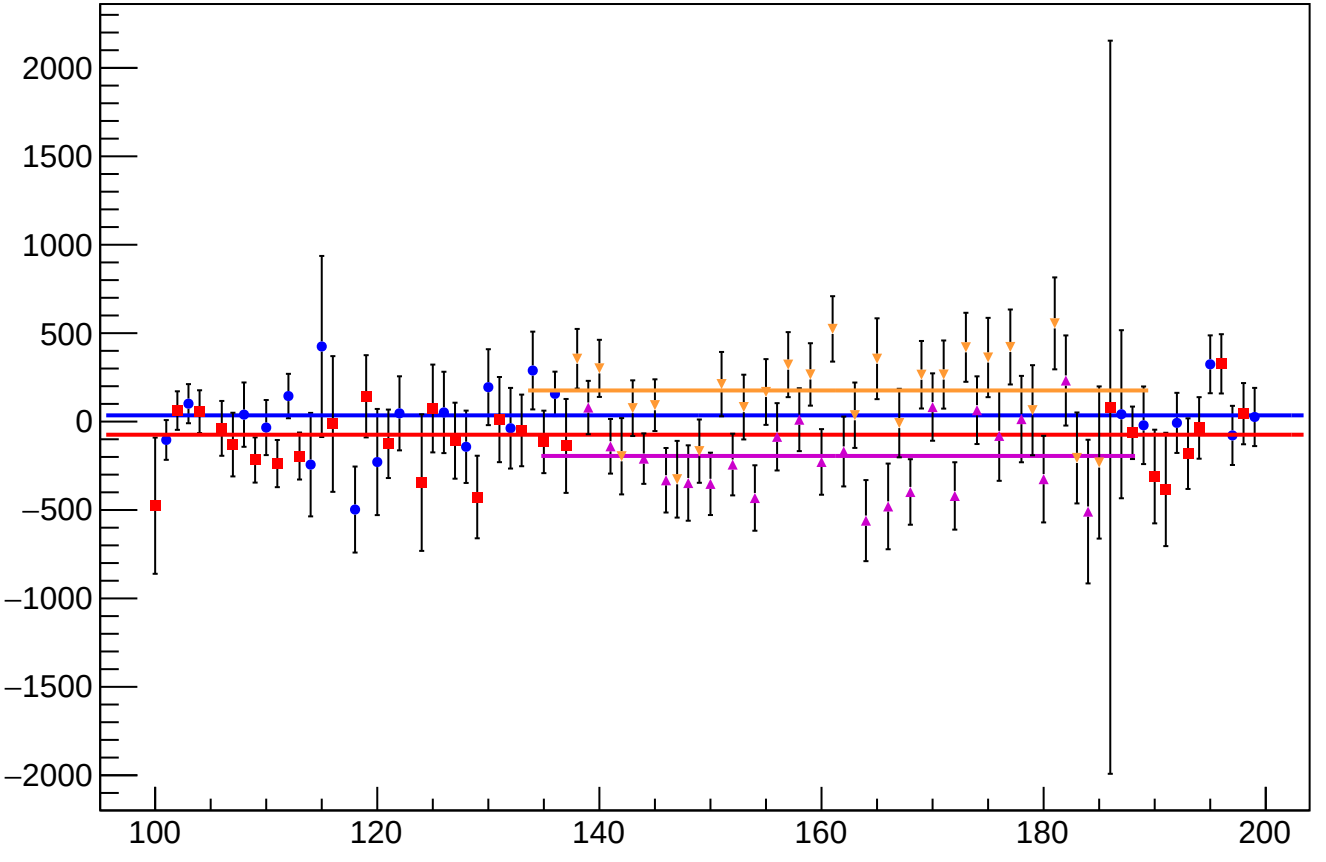
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 884.358+/-0.116 χ^2/NDF: 3380135.7/46

All: 867.194+/-0.081 χ^2/NDF: 8148596.3/96

- sign 851.005+/-0.113 χ^2/NDF: 4726147.1/49

dit_asym_sam5_mean vs Slug



Right In: 35.226+/-37.802 χ^2/NDF: 17.3/21

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -74.249+/-35.241 χ^2/NDF: 20.2/26

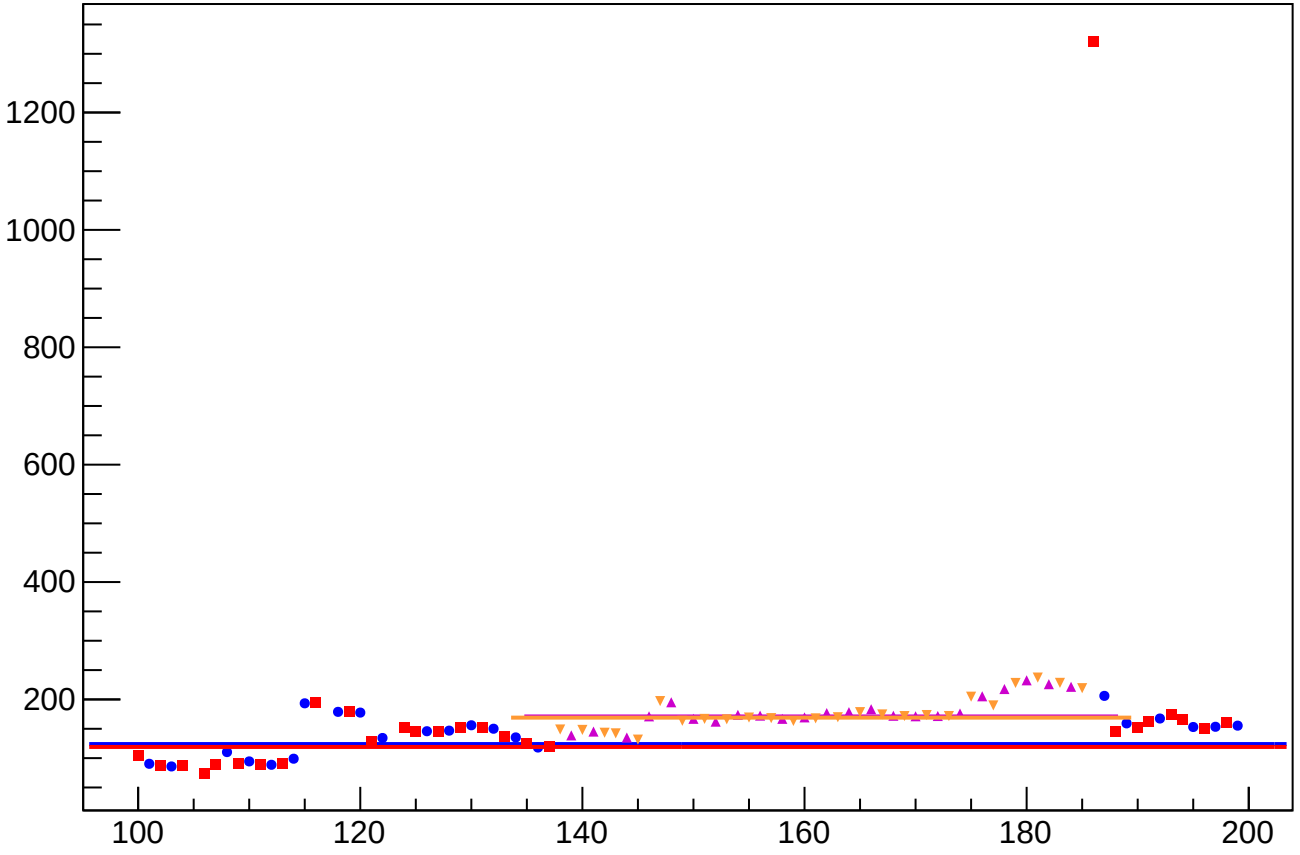
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 103.716+/-27.089 χ^2/NDF: 54.8/46

All: -13.519+/-18.962 χ^2/NDF: 140.6/96

- sign -126.159+/-26.552 χ^2/NDF: 49.0/49

dit_asym_sam5_rms vs Slug



Right In: 123.974+/-0.027 χ^2/NDF: 1443753.4/21

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 119.057+/-0.025 χ^2/NDF: 2498751.6/26

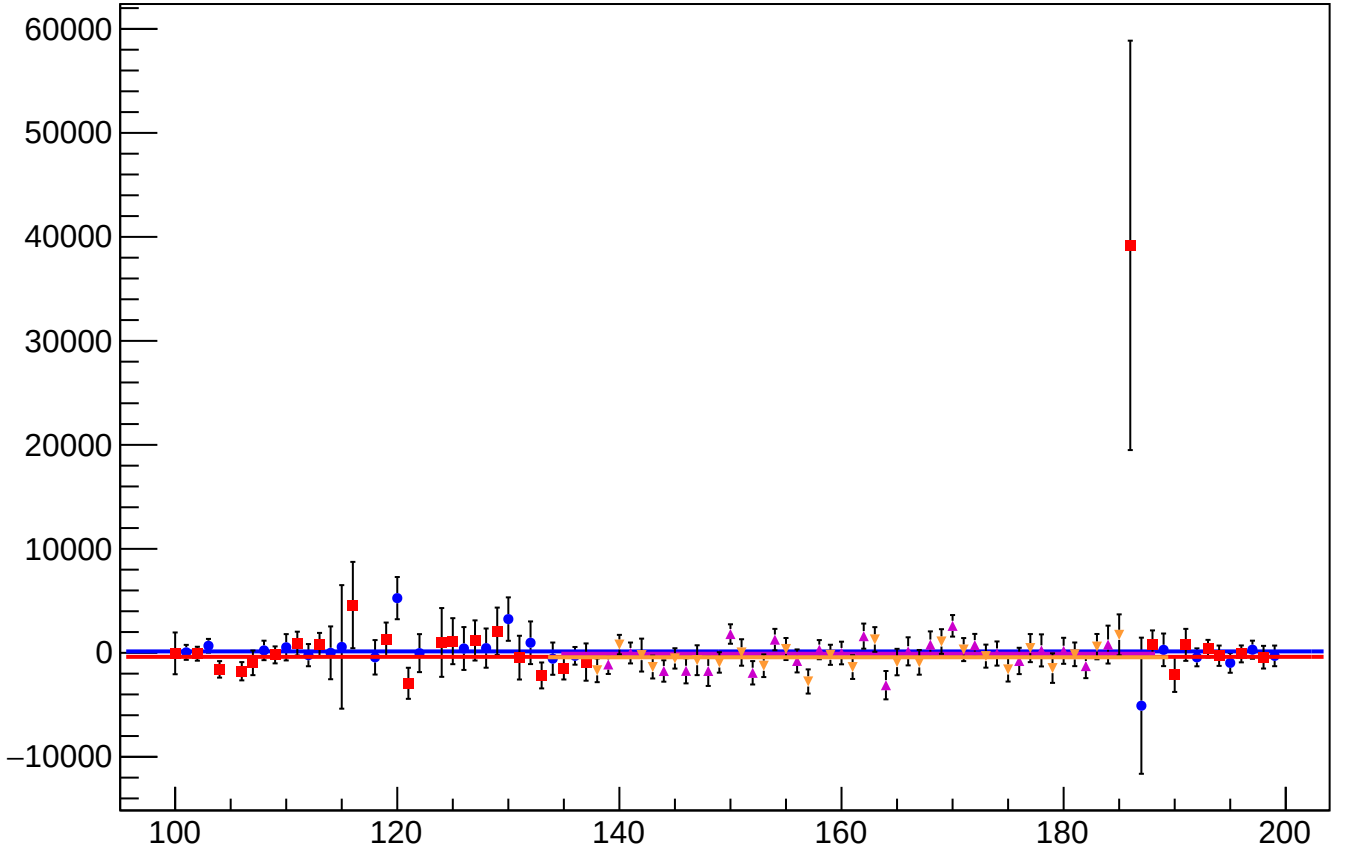
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 145.883+/-0.019 χ^2/NDF: 3598678.8/46

All: 143.659+/-0.013 χ^2/NDF: 8681843.9/96

- sign 141.522+/-0.019 χ^2/NDF: 5056730.1/49

asym_sam5_dit_correction_mean vs Slug



Right In: 137.840+/-250.397 χ^2/NDF: 12.9/21

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -384.534+/-229.615 χ^2/NDF: 26.2/26

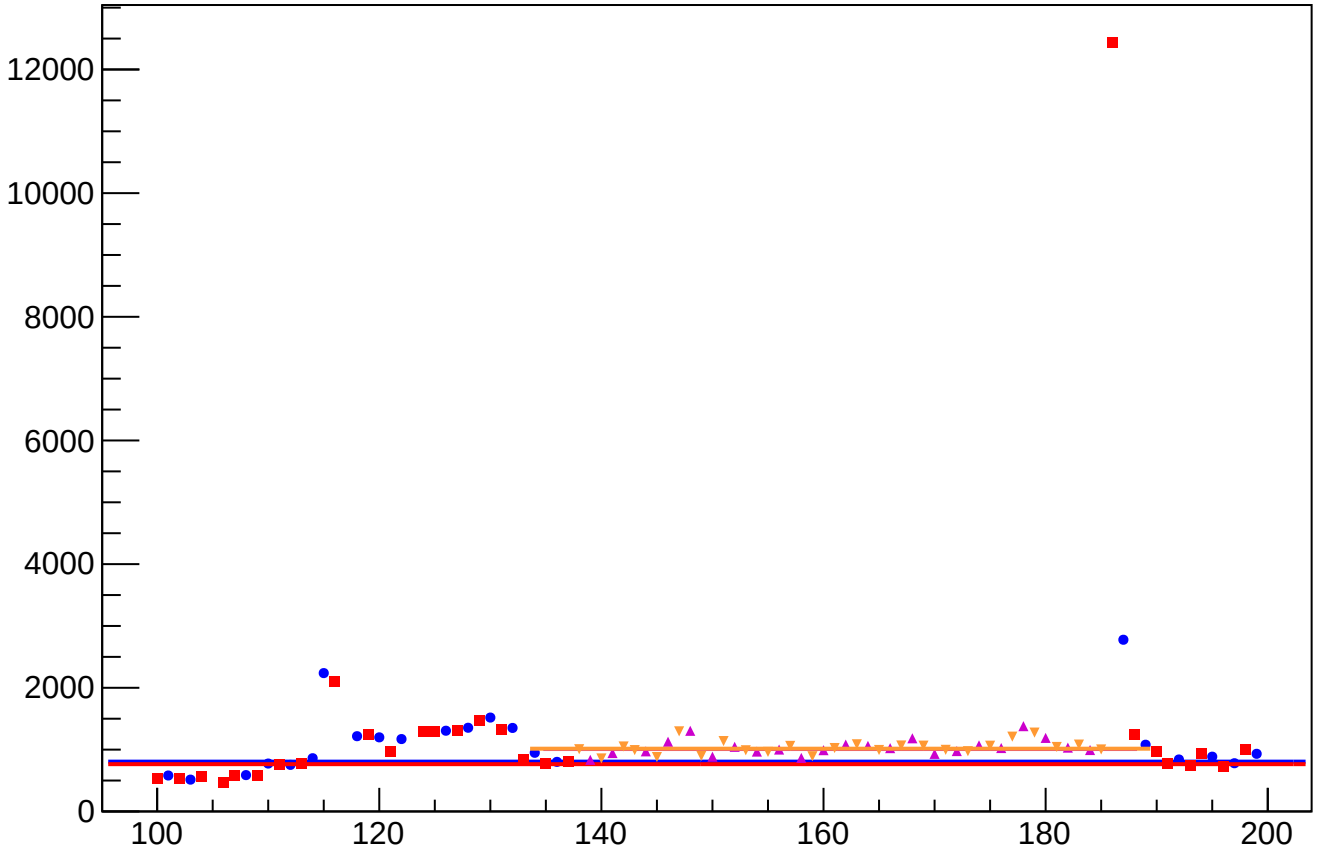
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -164.778+/-170.402 χ^2/NDF: 34.0/46

All: -204.021+/-118.647 χ^2/NDF: 93.5/96

- sign -240.949+/-165.299 χ^2/NDF: 59.4/49

asym_sam5_dit_correction_rms vs Slug



Right In: 805.686+/-0.177 χ^2/NDF: 2062066.6/21

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 764.888+/-0.162 χ^2/NDF: 2991804.2/26

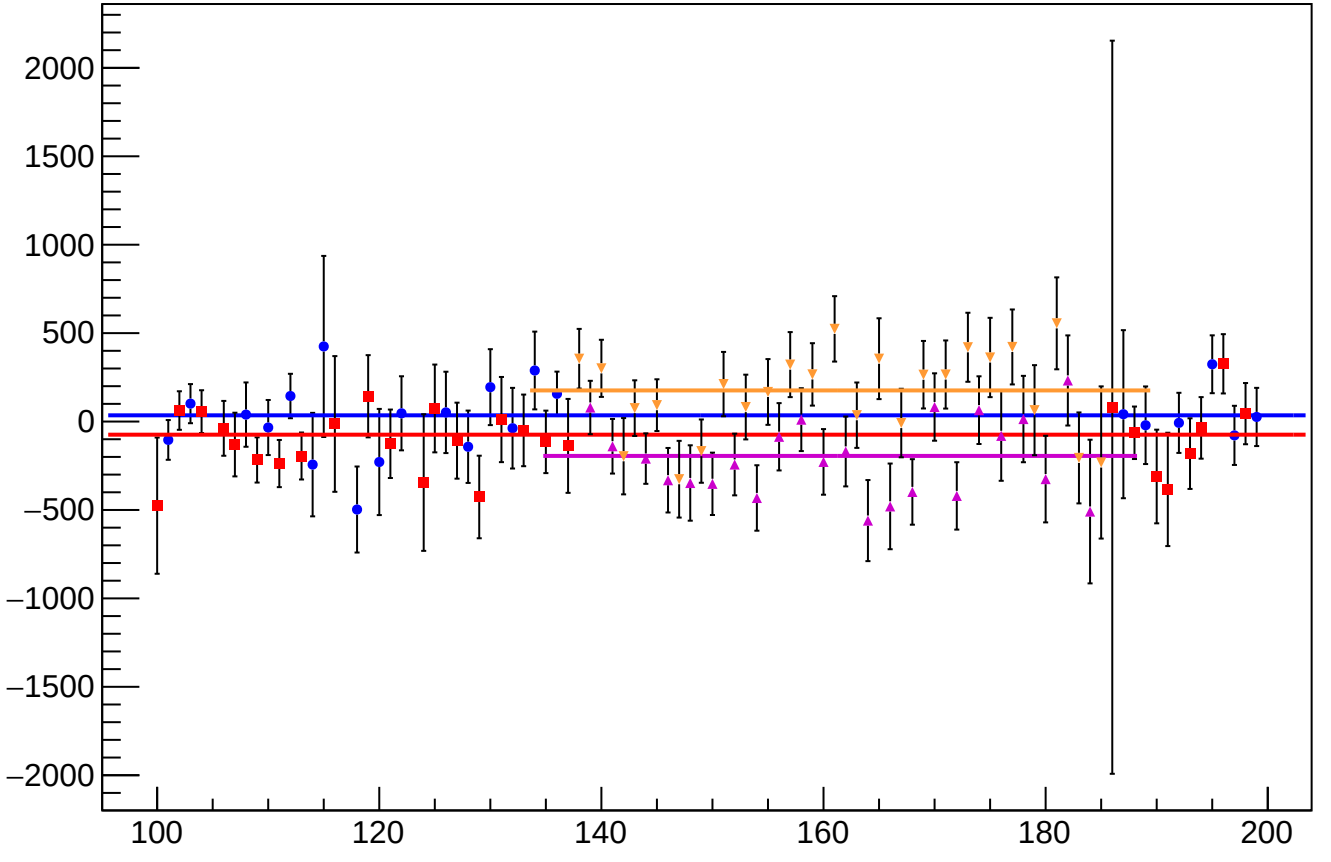
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 918.087+/-0.120 χ^2/NDF: 3210685.8/46

All: 899.914+/-0.084 χ^2/NDF: 7840436.3/96

- sign 882.813+/-0.117 χ^2/NDF: 4585595.5/49

eigen_dit_asym_sam5_mean vs Slug



Right In: 35.226+/-37.802 χ^2/NDF: 17.3/21

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -74.249+/-35.241 χ^2/NDF: 20.2/26

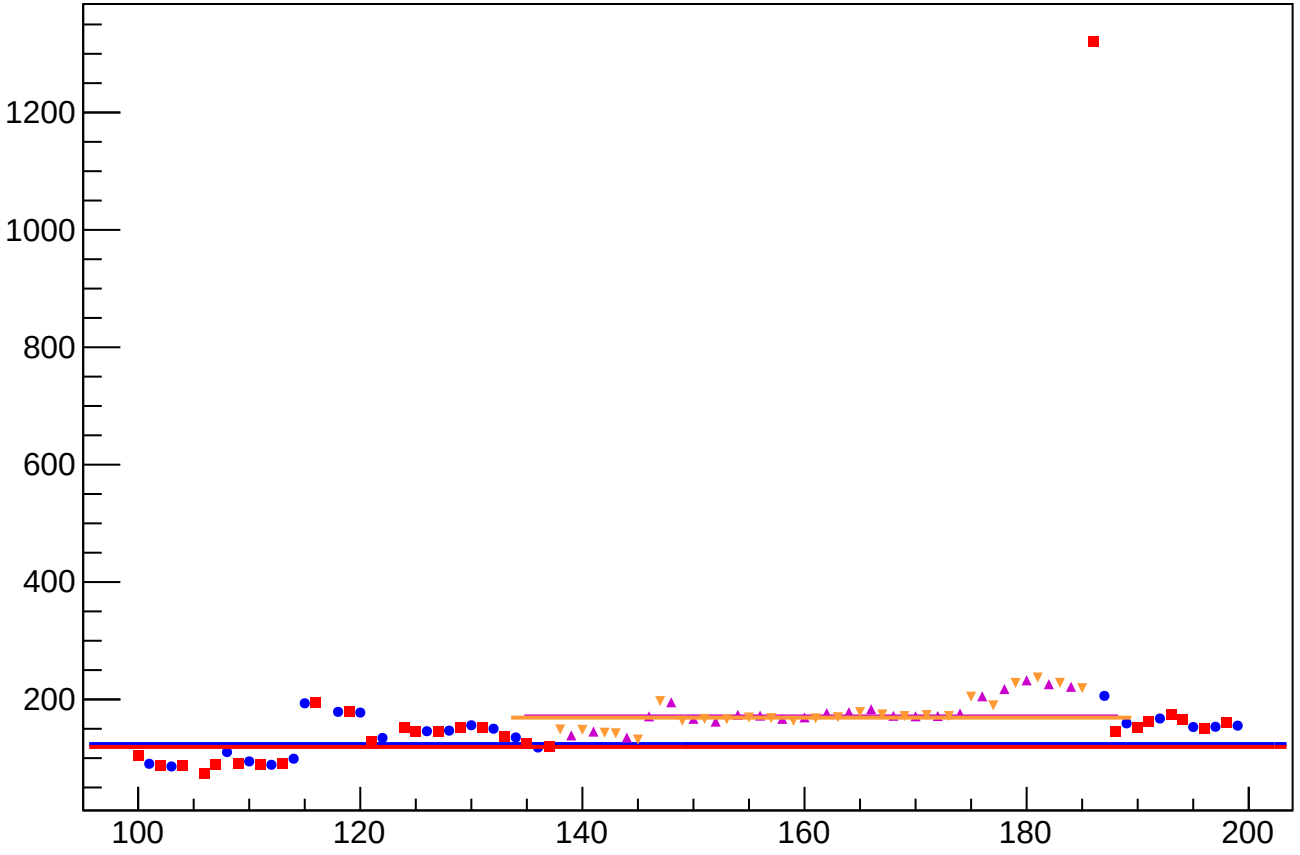
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 103.716+/-27.089 χ^2/NDF: 54.8/46

All: -13.519+/-18.962 χ^2/NDF: 140.6/96

- sign -126.159+/-26.552 χ^2/NDF: 49.0/49

eigen_dit_asym_sam5_rms vs Slug



Right In: 123.973+/-0.027 χ^2/NDF: 1443758.4/21

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 119.057+/-0.025 χ^2/NDF: 2498751.0/26

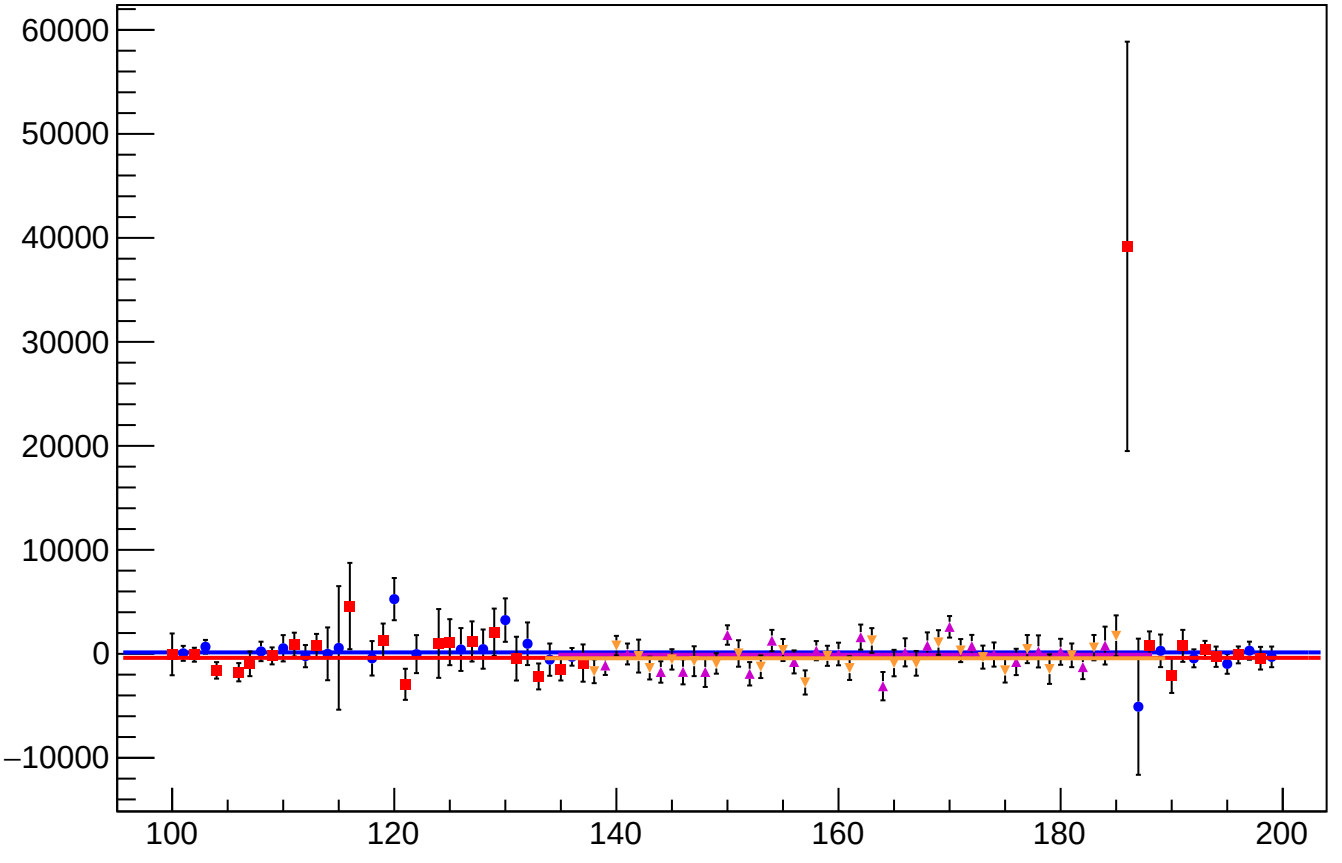
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 145.883+/-0.019 χ^2/NDF: 3598697.0/46

All: 143.659+/-0.013 χ^2/NDF: 8681882.2/96

- sign 141.522+/-0.019 χ^2/NDF: 5056751.2/49

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 137.841+/-250.397 χ^2/NDF: 12.9/21

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -384.534+/-229.615 χ^2/NDF: 26.2/26

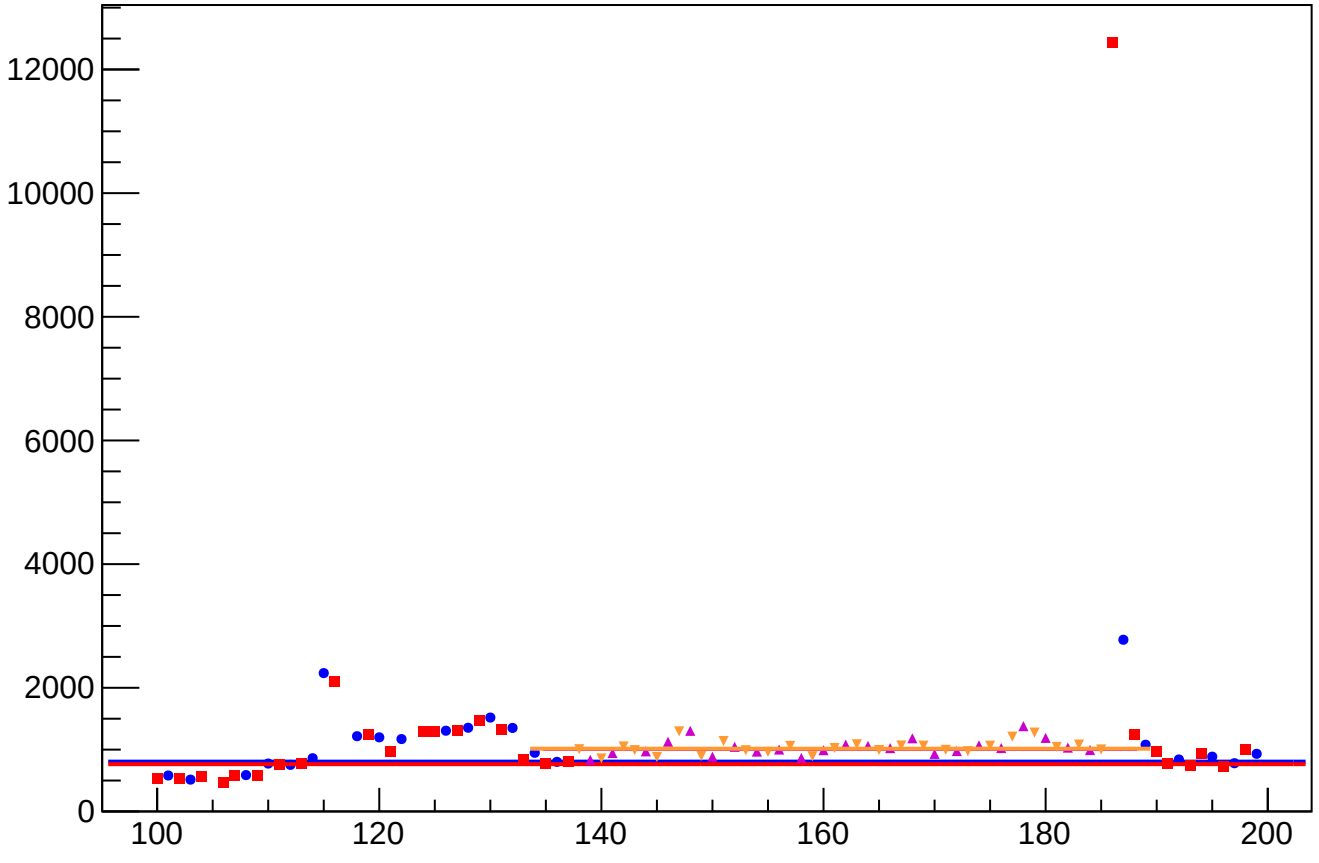
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -164.776+/-170.402 χ^2/NDF: 34.0/46

All: -204.021+/-118.647 χ^2/NDF: 93.5/96

- sign -240.950+/-165.299 χ^2/NDF: 59.4/49

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 805.685+/-0.177 χ^2/NDF: 2062067.7/21

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 764.887+/-0.162 χ^2/NDF: 2991808.4/26

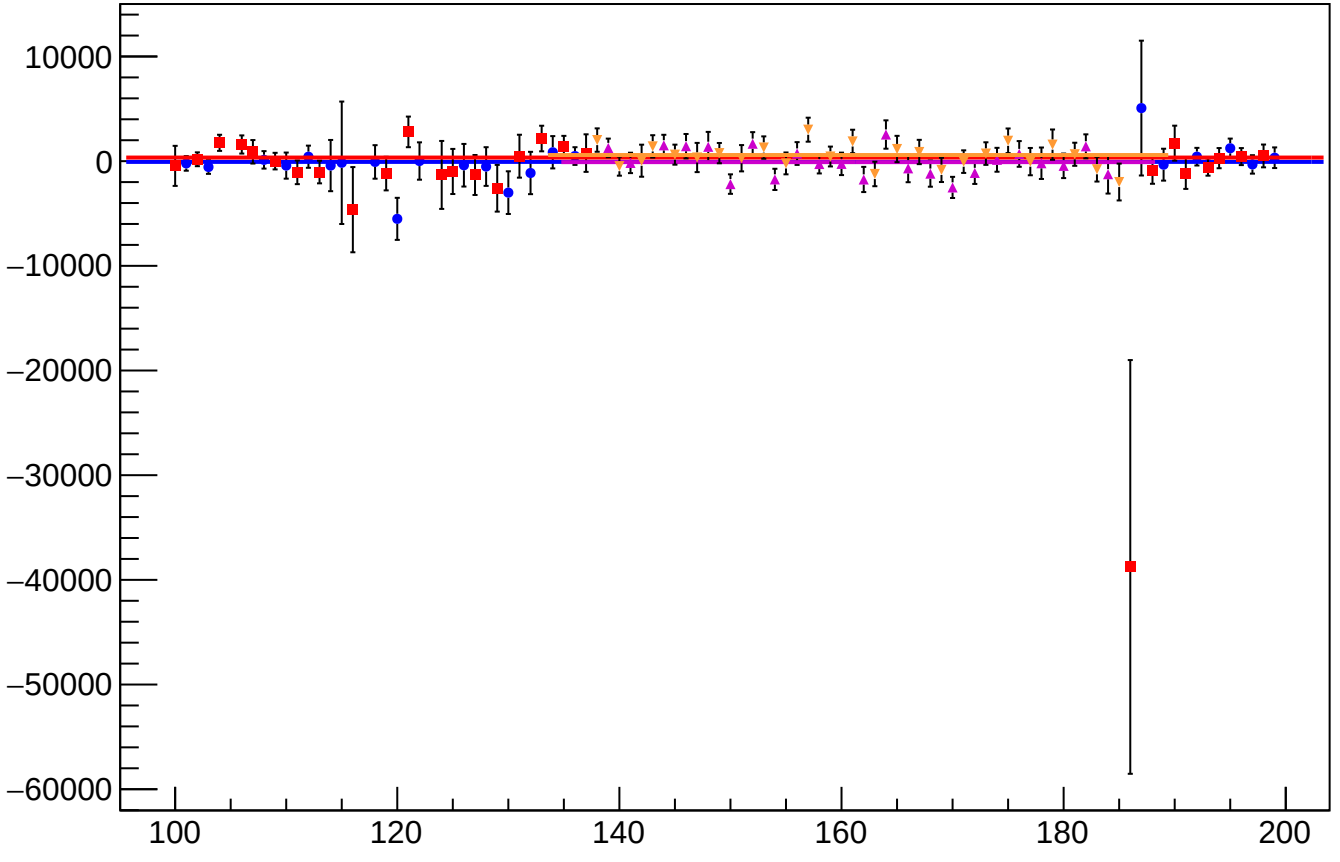
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 918.087+/-0.120 χ^2/NDF: 3210698.4/46

All: 899.914+/-0.084 χ^2/NDF: 7840469.1/96

- sign 882.813+/-0.117 χ^2/NDF: 4585615.9/49

asym_sam5_mean vs Slug



Right In: -70.331+/-244.594 χ^2/NDF: 14.8/21

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 344.513+/-225.156 χ^2/NDF: 28.5/26

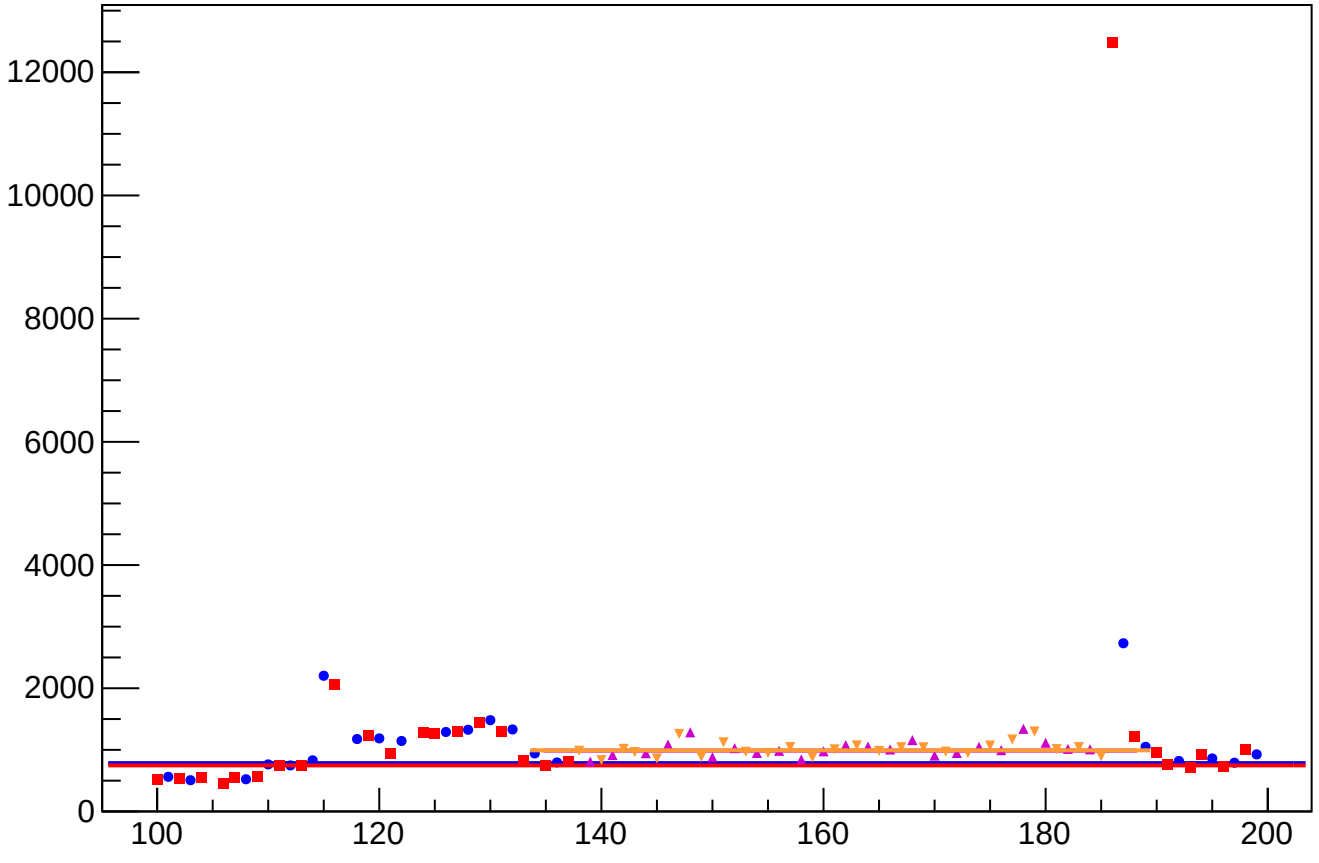
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 281.547+/-166.616 χ^2/NDF: 39.4/46

All: 205.362+/-116.119 χ^2/NDF: 104.7/96

- sign 133.413+/-161.918 χ^2/NDF: 64.9/49

asym_sam5_rms vs Slug



Right In: 784.629+/-0.173 χ^2/NDF: 2159583.2/21

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

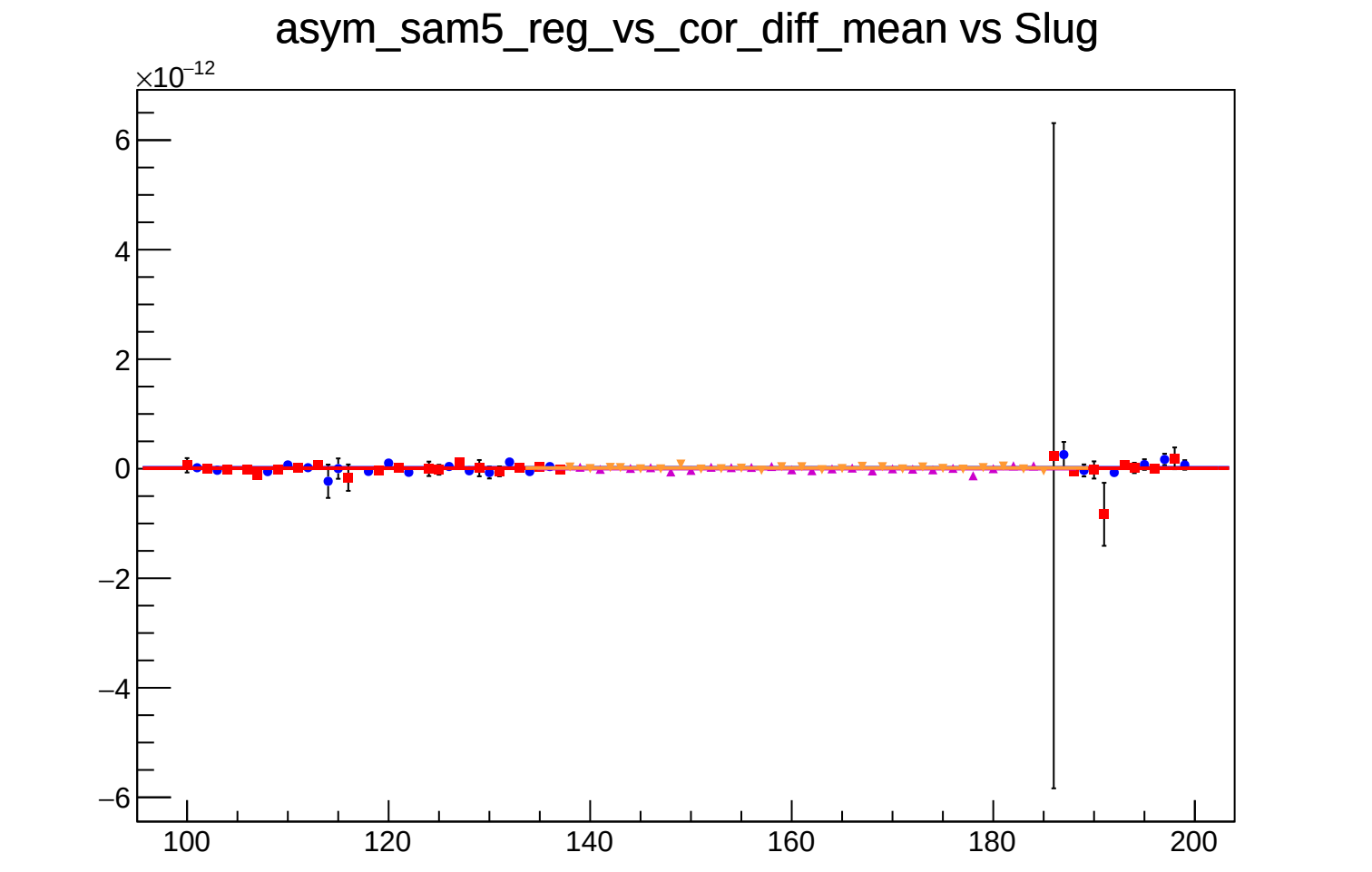
Right Out: 747.748+/-0.159 χ^2/NDF: 3062780.3/26

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 896.069+/-0.118 χ^2/NDF: 3359078.7/46

All: 879.395+/-0.082 χ^2/NDF: 8046076.5/96

- sign 863.648+/-0.114 χ^2/NDF: 4648051.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/26

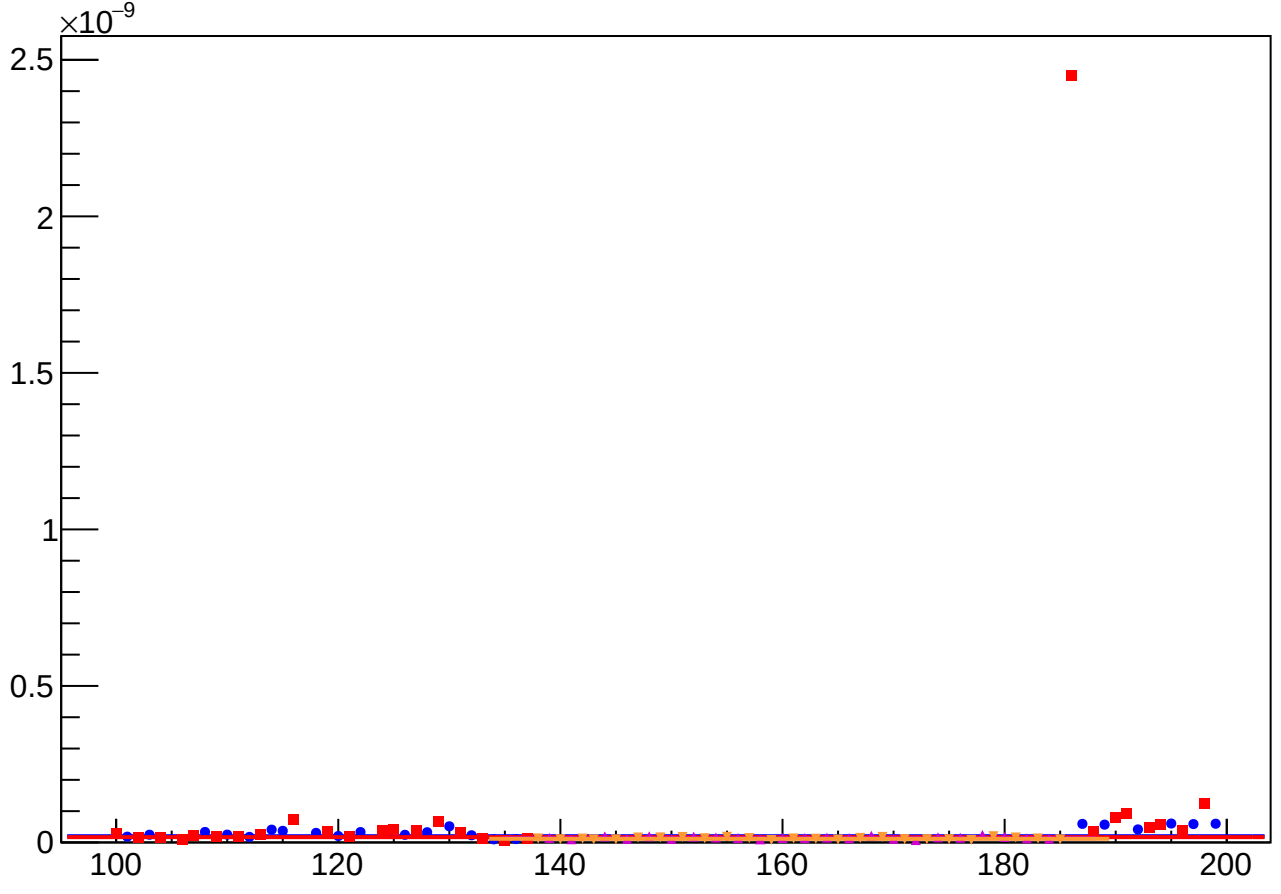
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

\+ sign 0.000+/-0.000 χ^2/NDF: 46.9/46

All: 0.000+/-0.000 χ^2/NDF: 97.0/96

\- 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: 2791576.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4237870.5/26

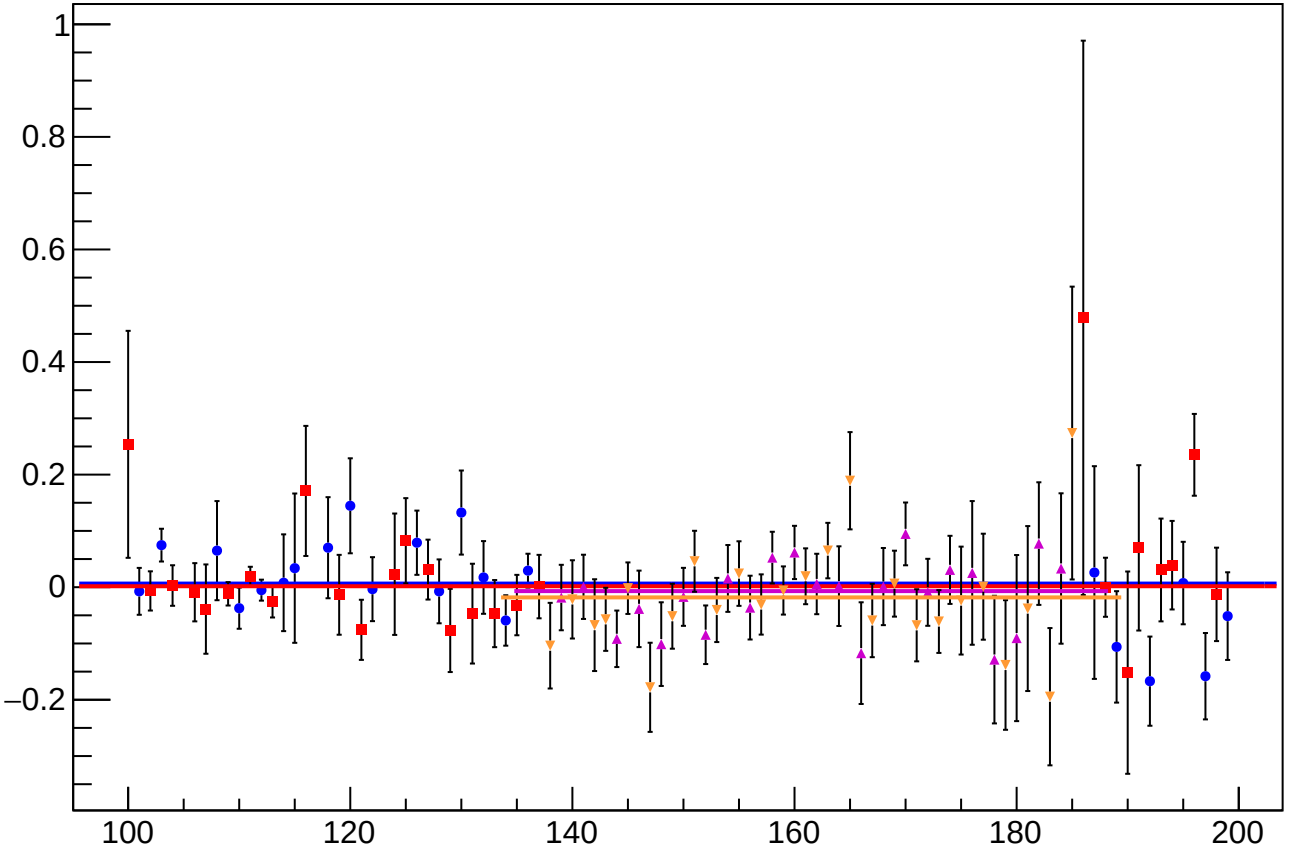
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4634353.9/46

All: 0.000+/-0.000 χ^2/NDF: 10034366.6/96

- sign 0.000+/-0.000 χ^2/NDF: 5322319.8/49

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/26

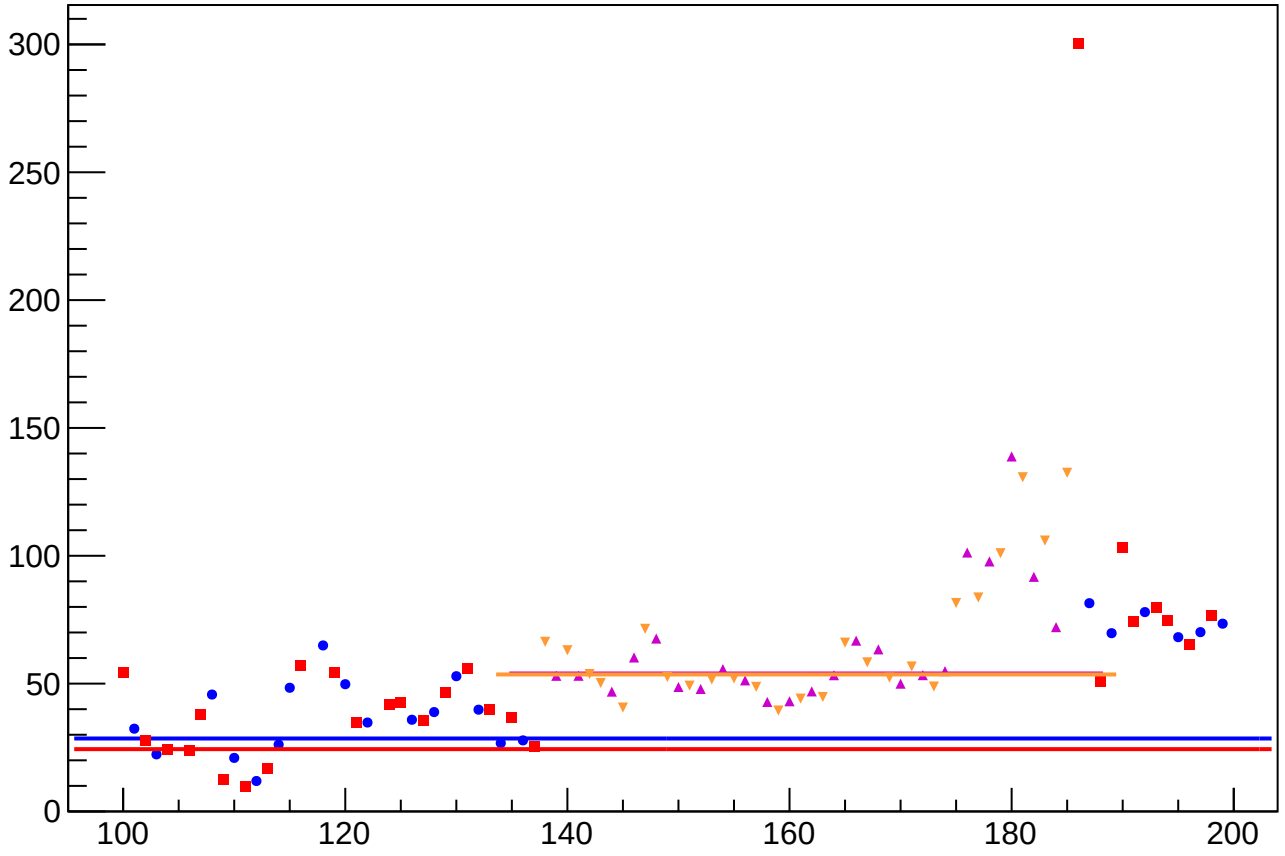
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 56.3/46

All: -0.002+/-0.005 χ^2/NDF: 100.5/96

- sign -0.001+/-0.007 χ^2/NDF: 44.2/49

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 28.536+/-0.007 χ^2/NDF: 5886194.5/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 24.372+/-0.006 χ^2/NDF: 8678713.7/26

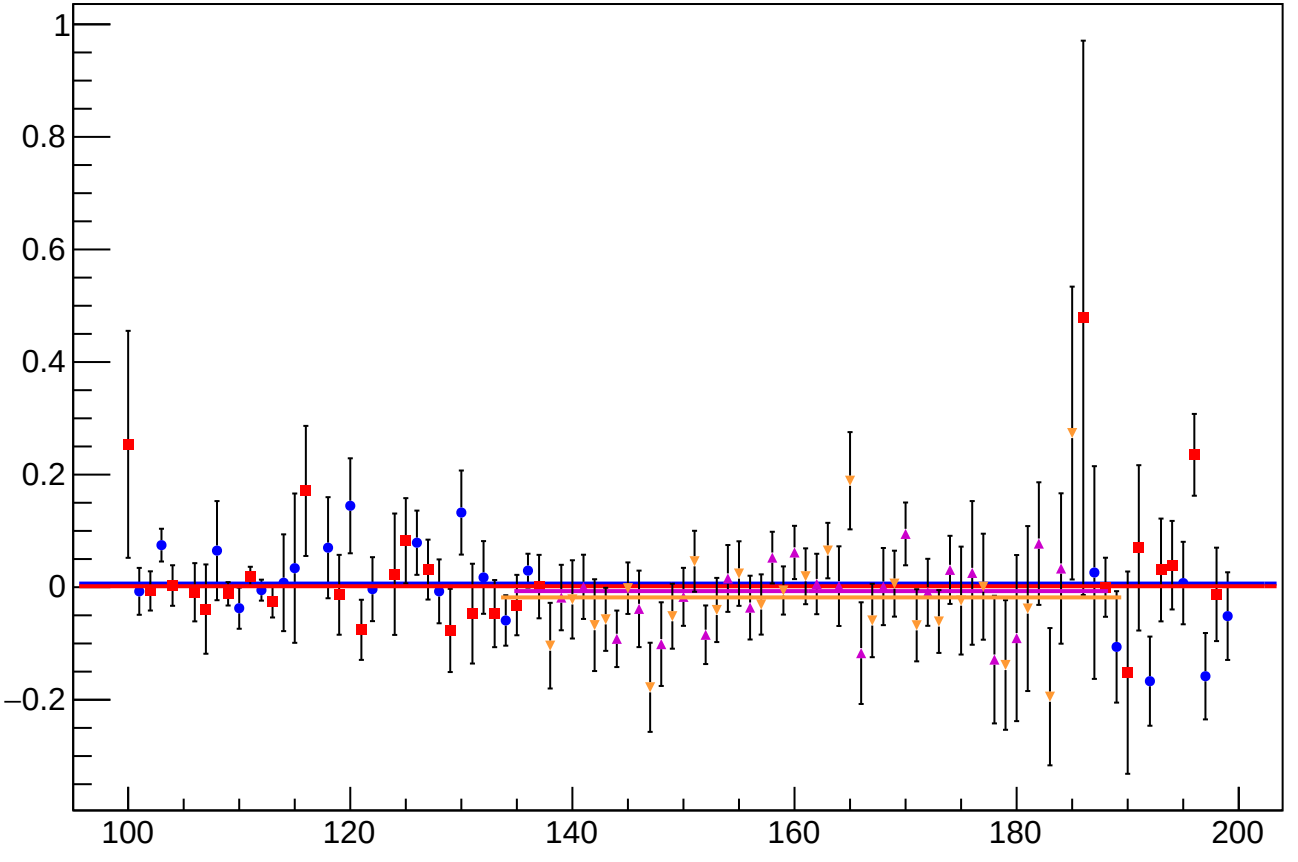
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 38.189+/-0.006 χ^2/NDF: 13234293.4/46

All: 35.678+/-0.004 χ^2/NDF: 31267801.0/96

- sign 33.534+/-0.005 χ^2/NDF: 17663262.8/49

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/26

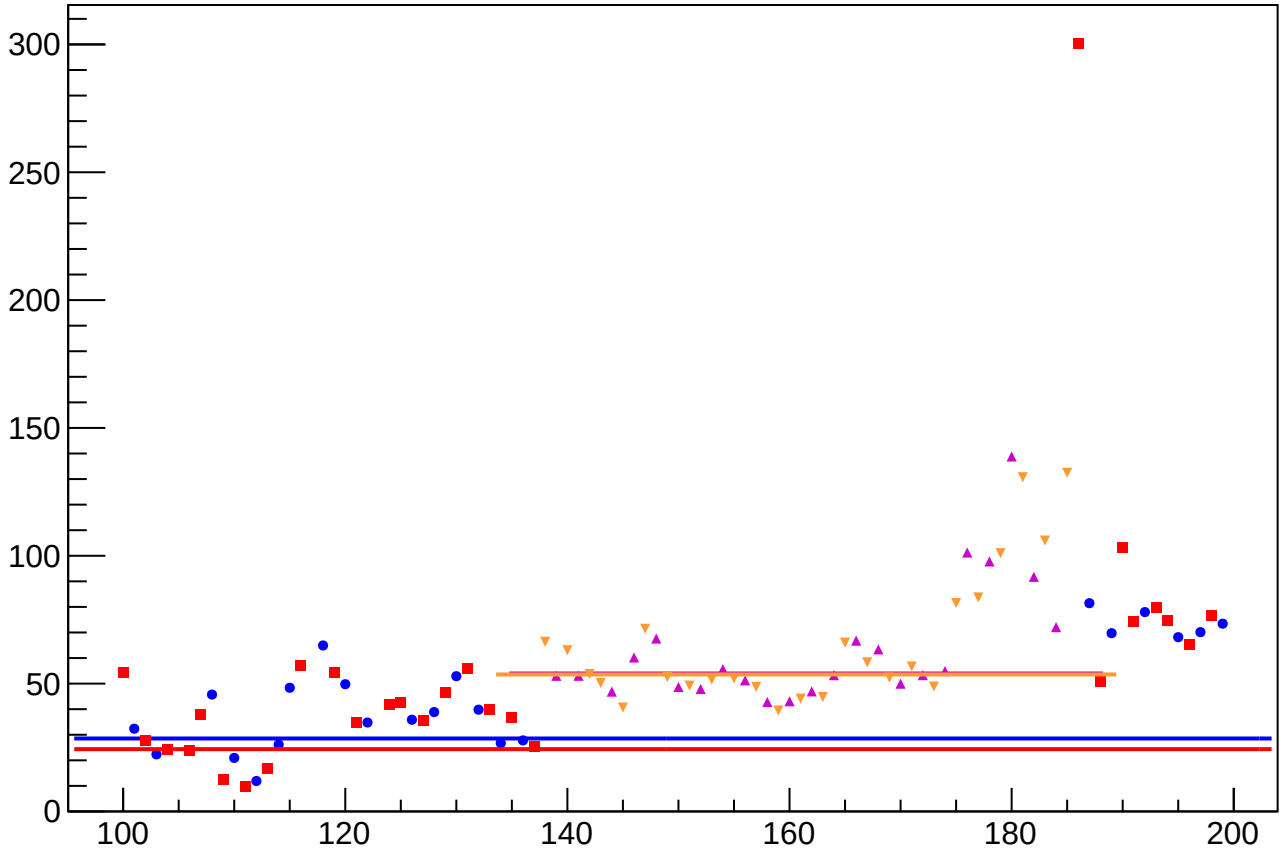
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 56.3/46

All: -0.002+/-0.005 χ^2/NDF: 100.5/96

- sign -0.001+/-0.007 χ^2/NDF: 44.2/49

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.536+/-0.007 χ^2/NDF: 5886194.5/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

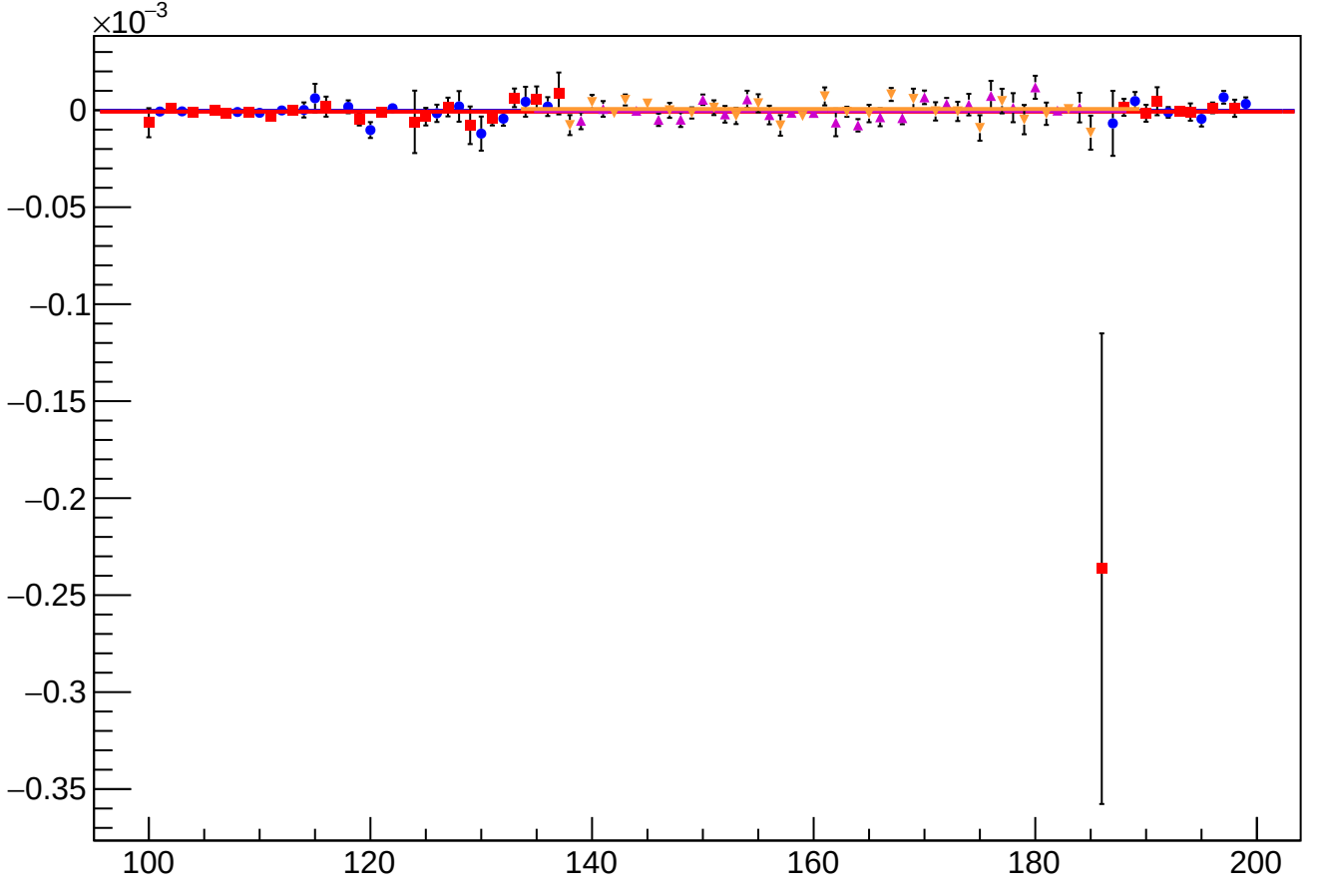
Right Out: 24.372+/-0.006 χ^2/NDF: 8678713.7/26

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 38.189+/-0.006 χ^2/NDF: 13234293.4/46

All: 35.678+/-0.004 χ^2/NDF: 31267801.0/96

- sign 33.534+/-0.005 χ^2/NDF: 17663262.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/26

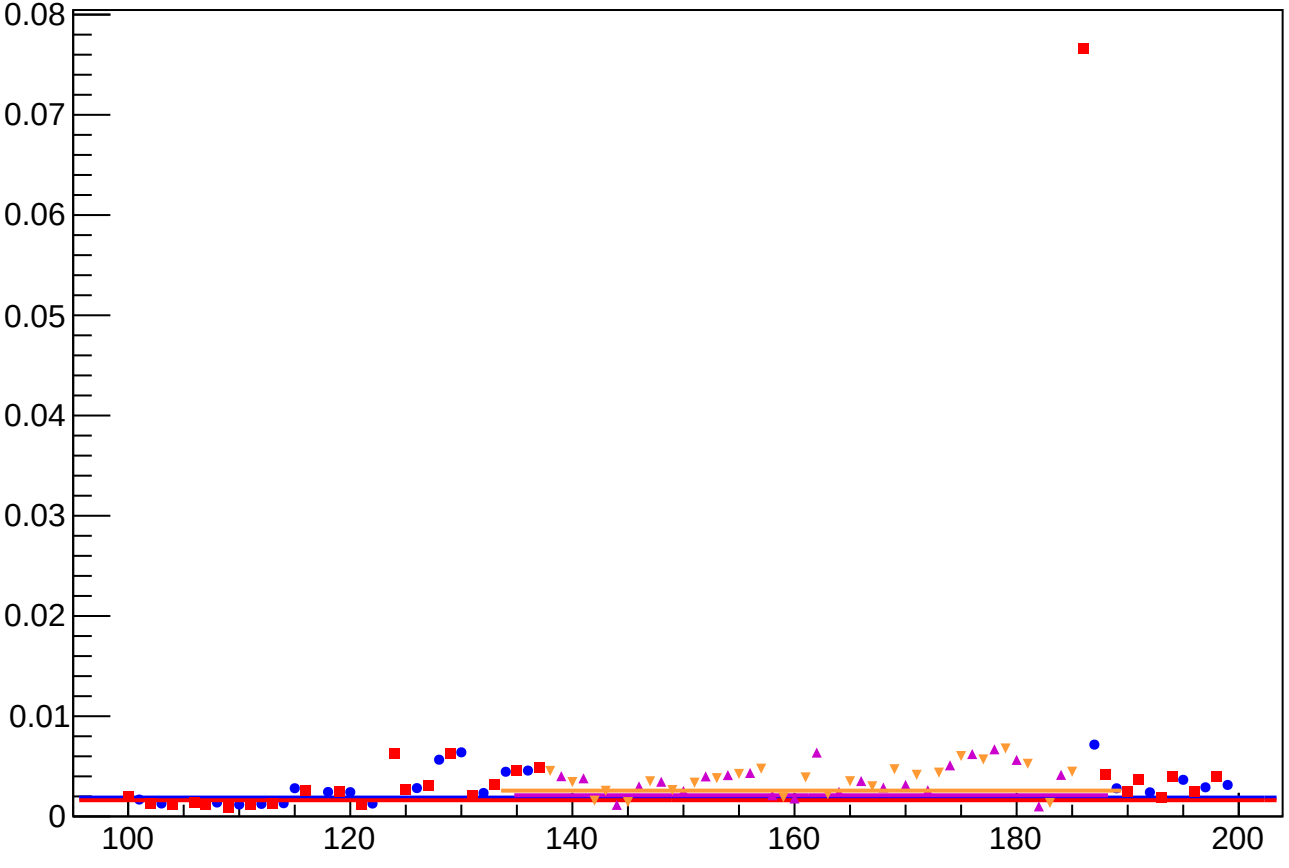
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/46

All: -0.000+/-0.000 χ^2/NDF: 101.5/96

- 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: 4378770.5/21

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6266238.6/26

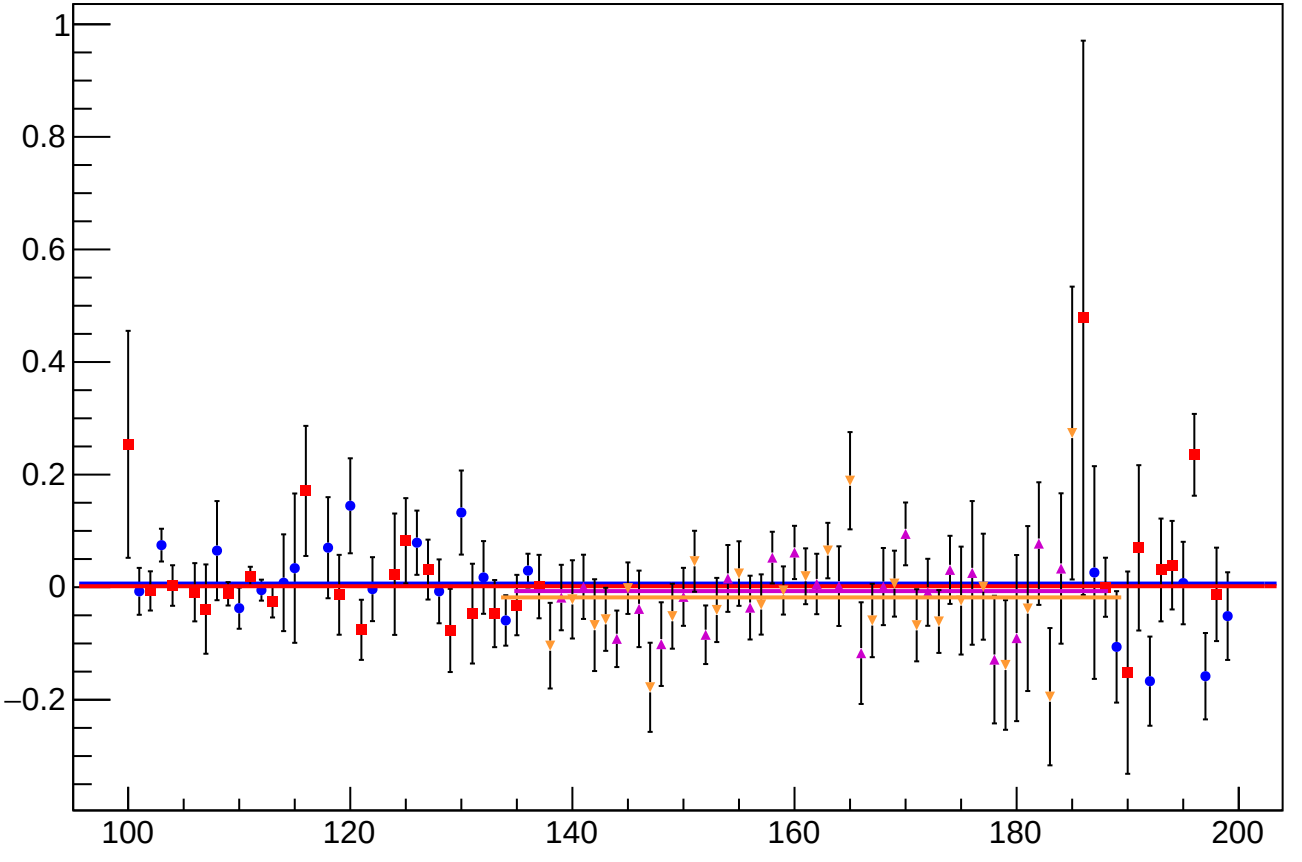
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12632503.8/46

All: 0.002+/-0.000 χ^2/NDF: 29905412.8/96

- sign 0.002+/-0.000 χ^2/NDF: 16530271.1/49

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/26

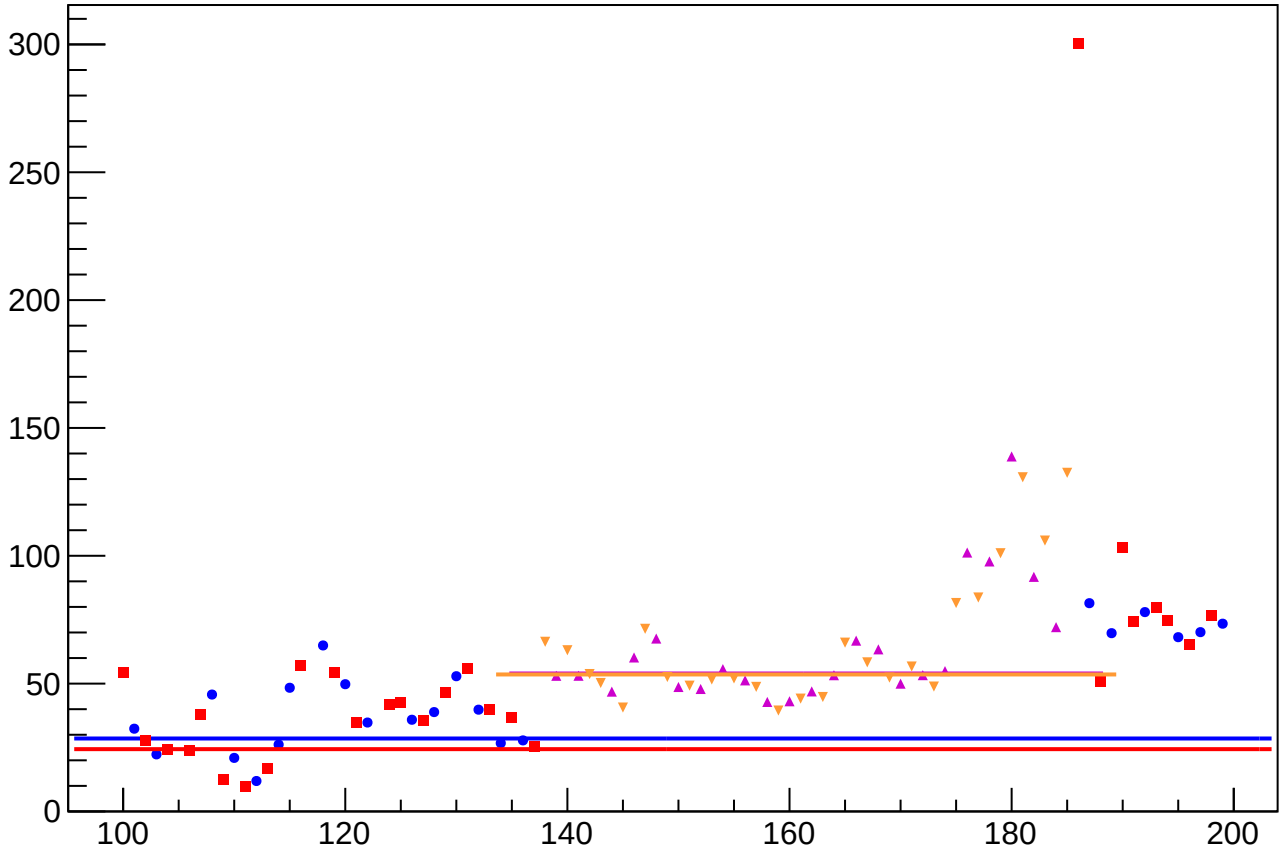
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 56.3/46

All: -0.002+/-0.005 χ^2/NDF: 100.5/96

- sign -0.001+/-0.007 χ^2/NDF: 44.2/49

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.536+/-0.007 χ^2/NDF: 5886230.8/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

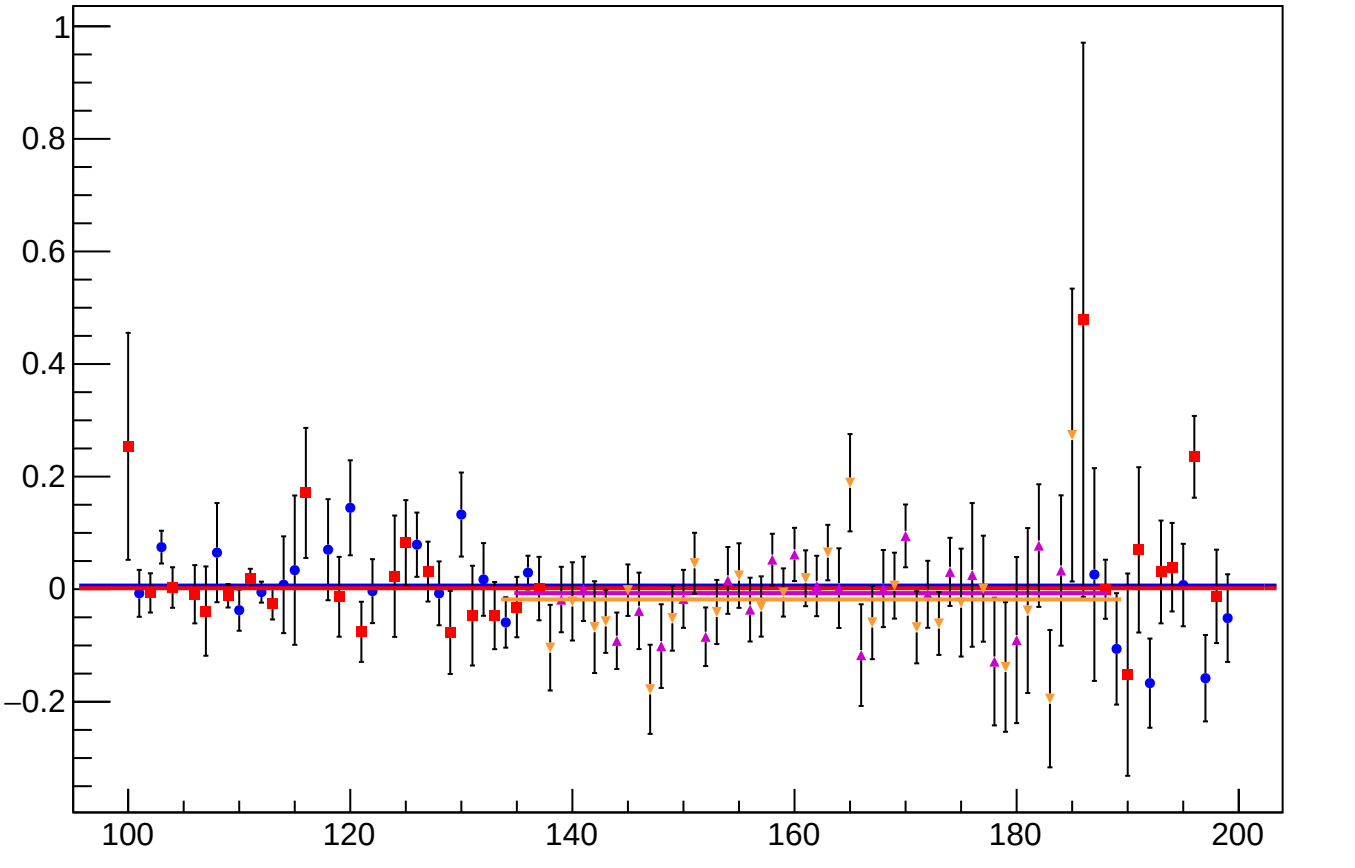
Right Out: 24.371+/-0.006 χ^2/NDF: 8678815.5/26

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 38.188+/-0.006 χ^2/NDF: 13234749.3/46

All: 35.677+/-0.004 χ^2/NDF: 31268896.7/96

- sign 33.533+/-0.005 χ^2/NDF: 17663873.6/49



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/26

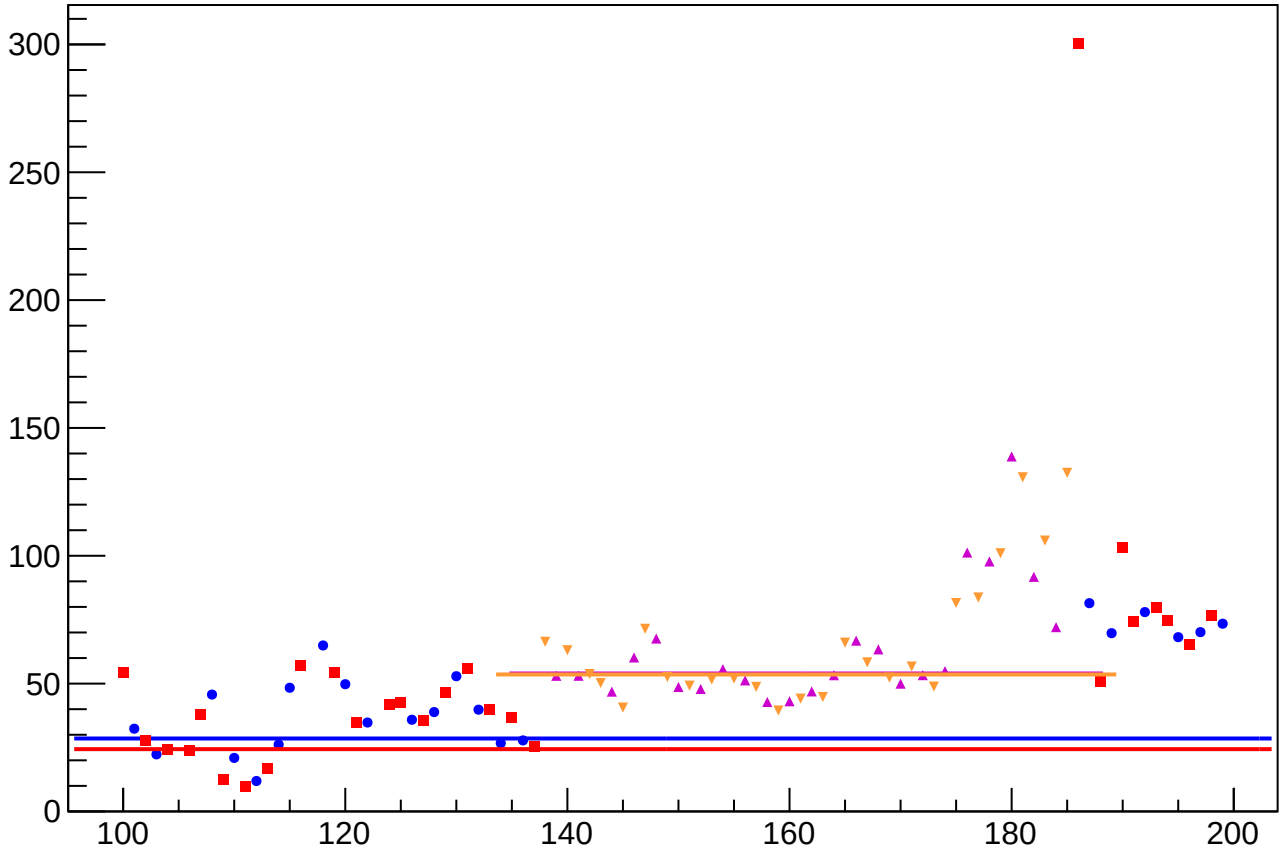
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 56.3/46

All: -0.002+/-0.005 χ^2/NDF: 100.5/96

- sign -0.001+/-0.007 χ^2/NDF: 44.2/49

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.536+/-0.007 χ^2/NDF: 5886230.8/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

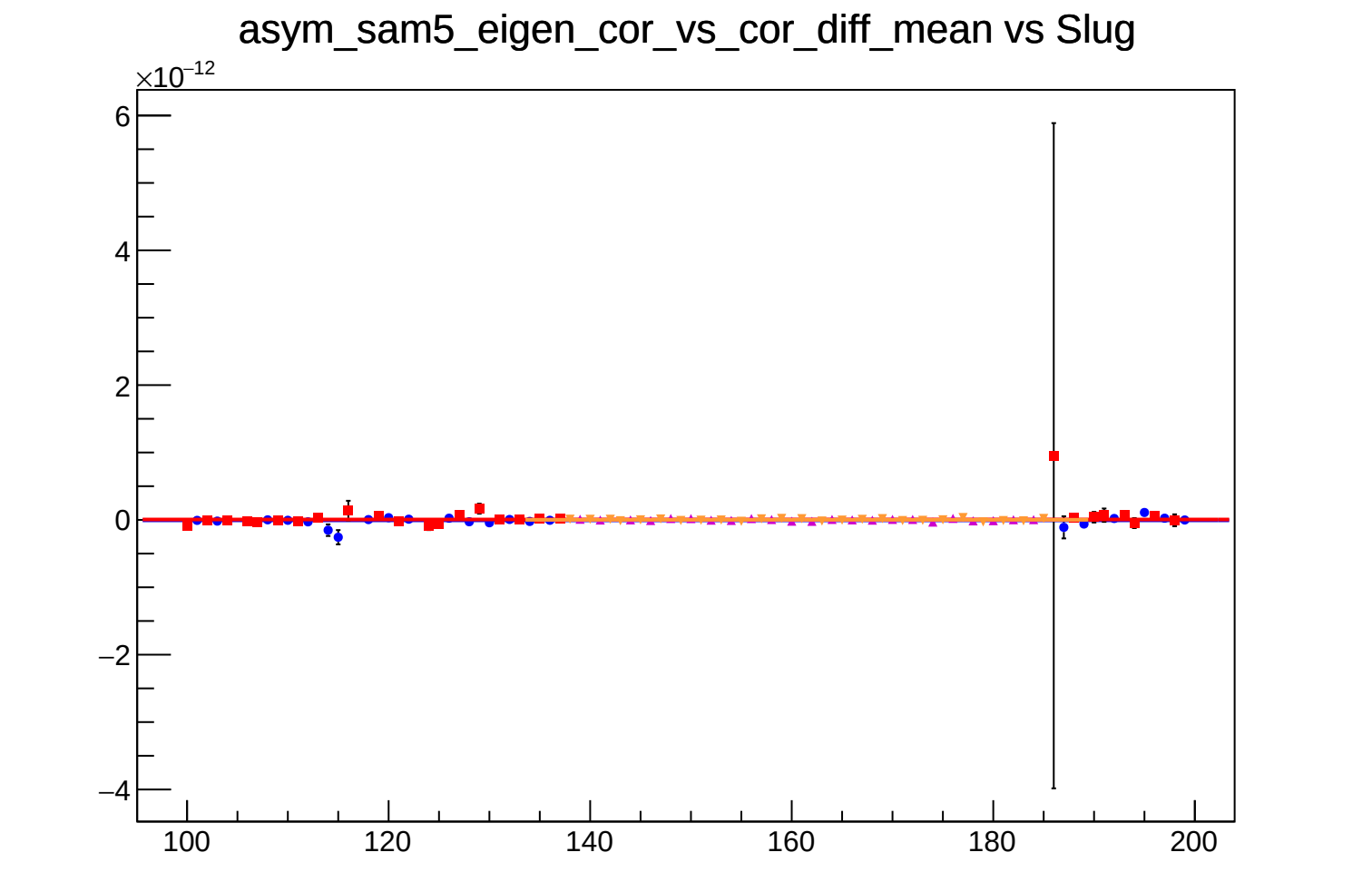
Right Out: 24.371+/-0.006 χ^2/NDF: 8678815.5/26

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 38.188+/-0.006 χ^2/NDF: 13234749.3/46

All: 35.677+/-0.004 χ^2/NDF: 31268896.7/96

- sign 33.533+/-0.005 χ^2/NDF: 17663873.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

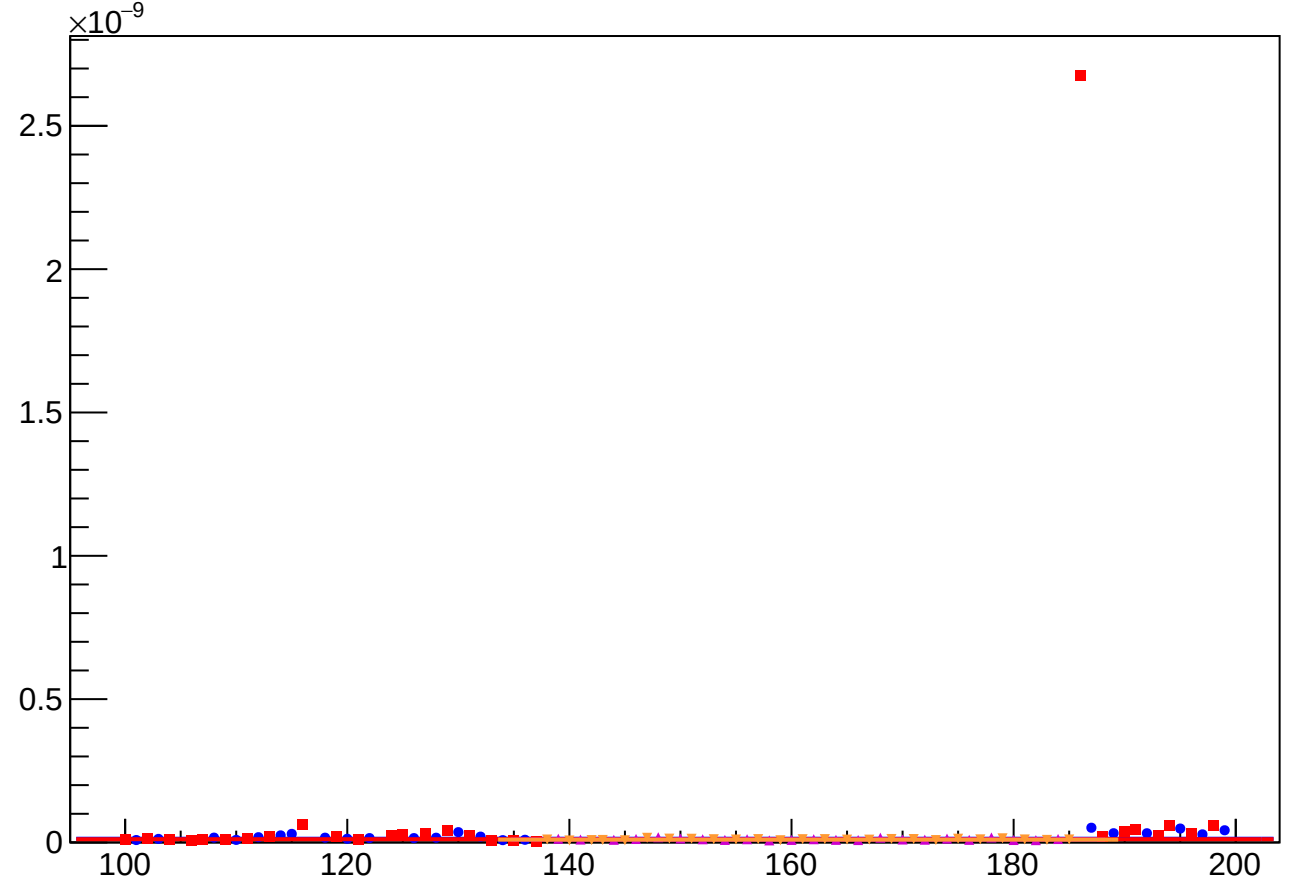
Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/26

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.3/46

All: 0.000+/-0.000 χ^2/NDF: 102.2/96

- sign 0.000+/-0.000 χ^2/NDF: 52.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 3500385.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6032569.4/26

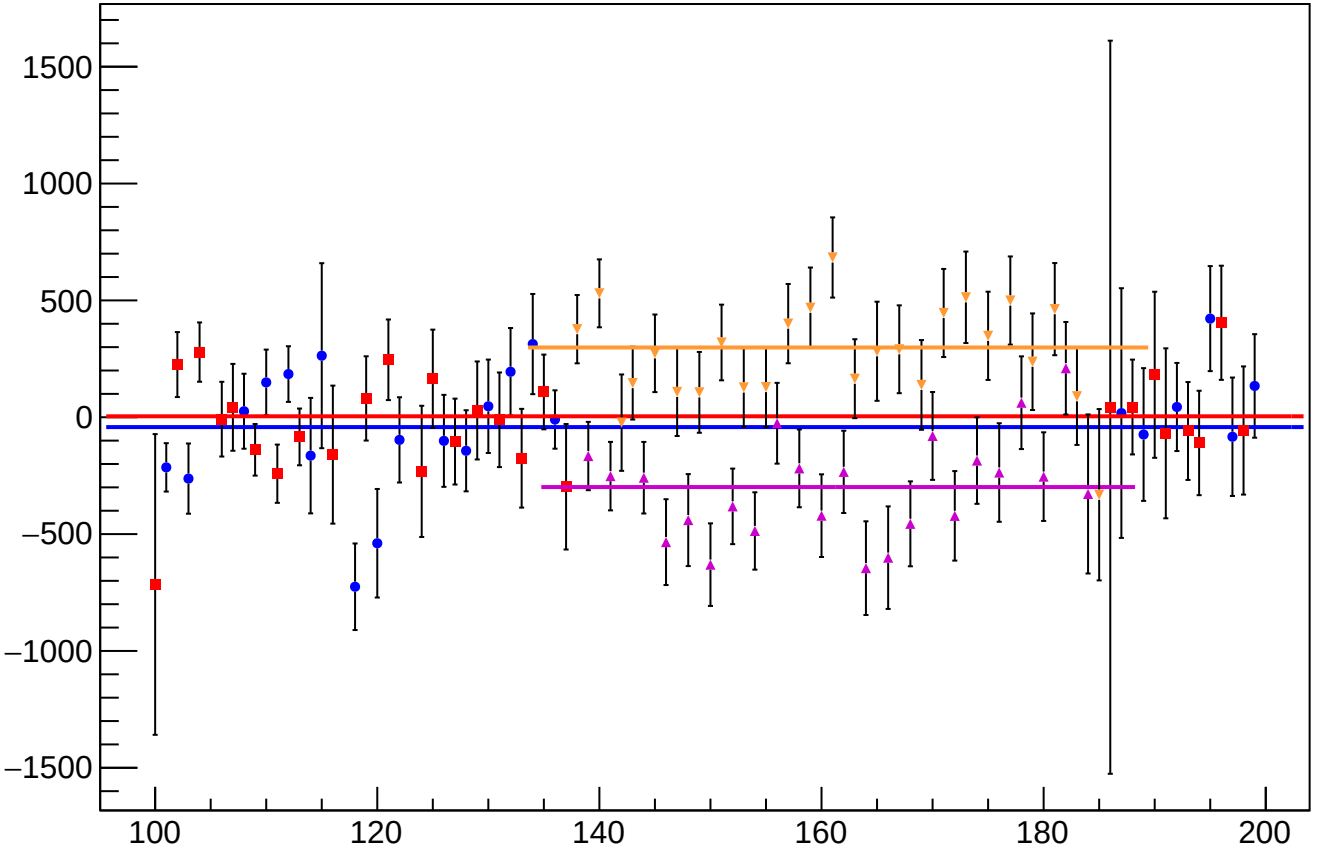
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5196788.3/46

All: 0.000+/-0.000 χ^2/NDF: 12617347.8/96

- sign 0.000+/-0.000 χ^2/NDF: 7420487.7/49

reg_asym_sam6_mean vs Slug



Right In: -42.139+/-37.891 χ^2/NDF: 39.9/21

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 4.058+/-35.920 χ^2/NDF: 24.6/26

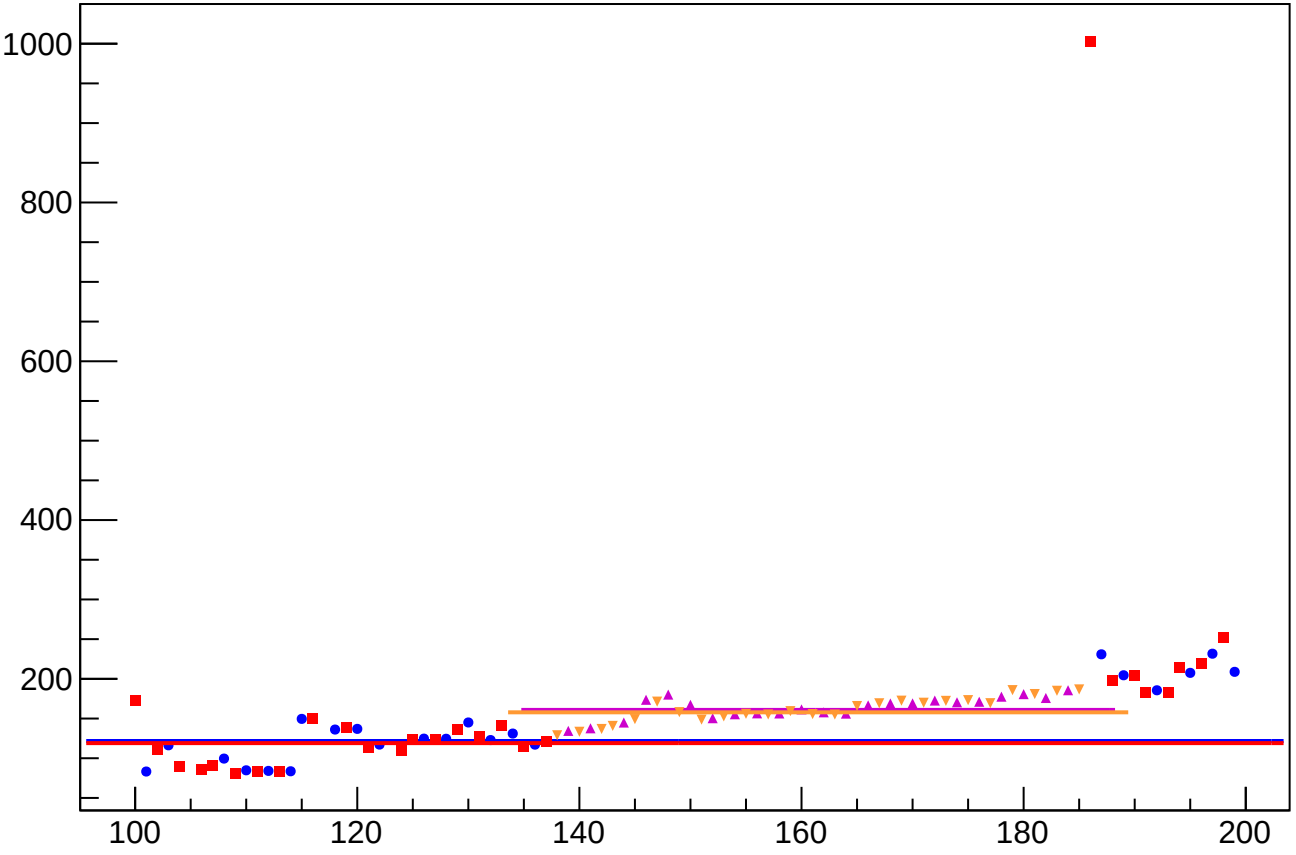
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 136.662+/-26.118 χ^2/NDF: 108.3/46

All: -2.161+/-18.431 χ^2/NDF: 252.4/96

- sign -139.885+/-26.014 χ^2/NDF: 87.8/49

reg_asym_sam6_rms vs Slug



Right In: 121.713+/-0.027 χ^2/NDF: 2230089.3/21

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 119.047+/-0.025 χ^2/NDF: 3409115.9/26

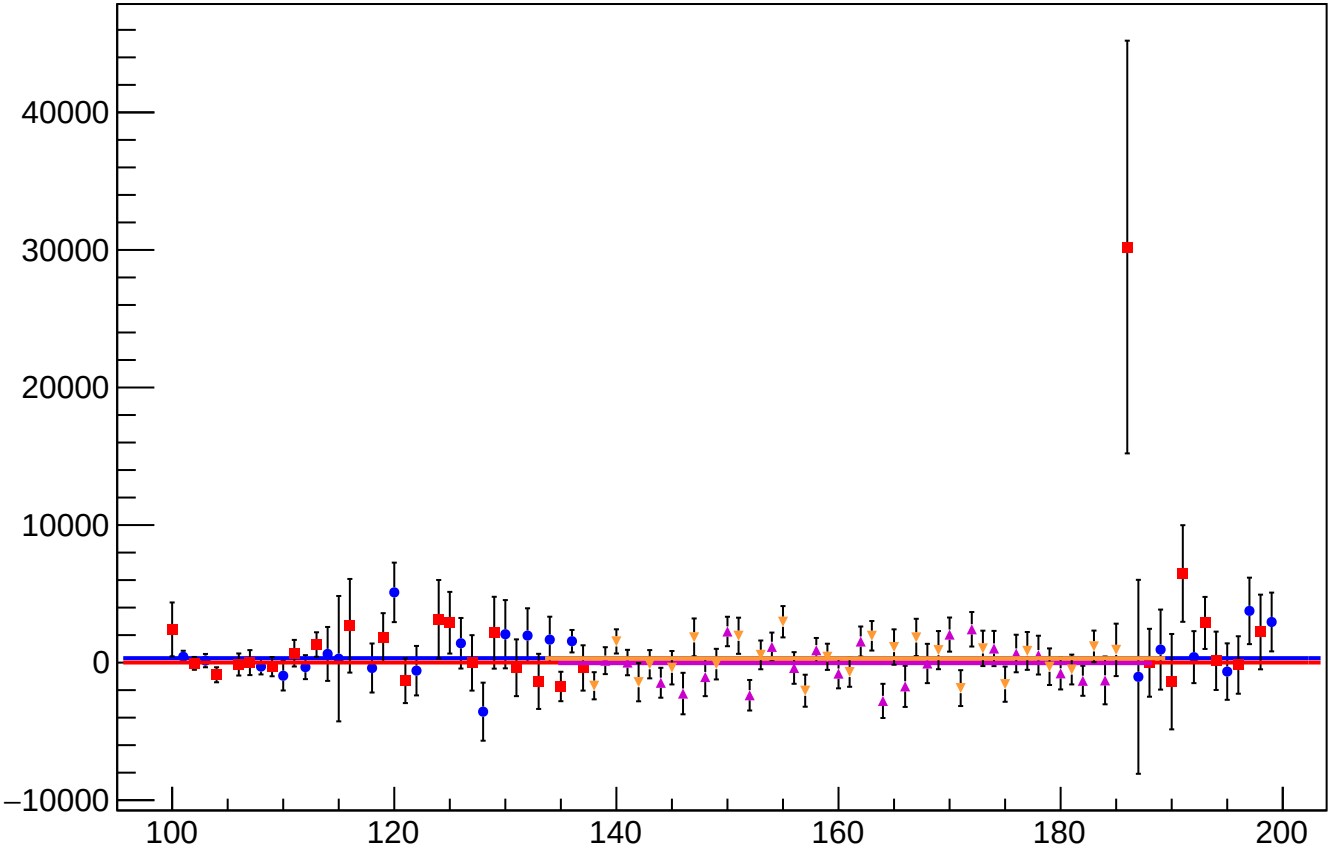
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 140.673+/-0.018 χ^2/NDF: 3561407.0/46

All: 139.801+/-0.013 χ^2/NDF: 8532747.5/96

- sign 138.935+/-0.018 χ^2/NDF: 4966896.0/49

asym_sam6_reg_correction_mean vs Slug



Right In: 324.690+/-224.498 χ^2/NDF: 20.4/21

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 7.853+/-224.995 χ^2/NDF: 26.8/26

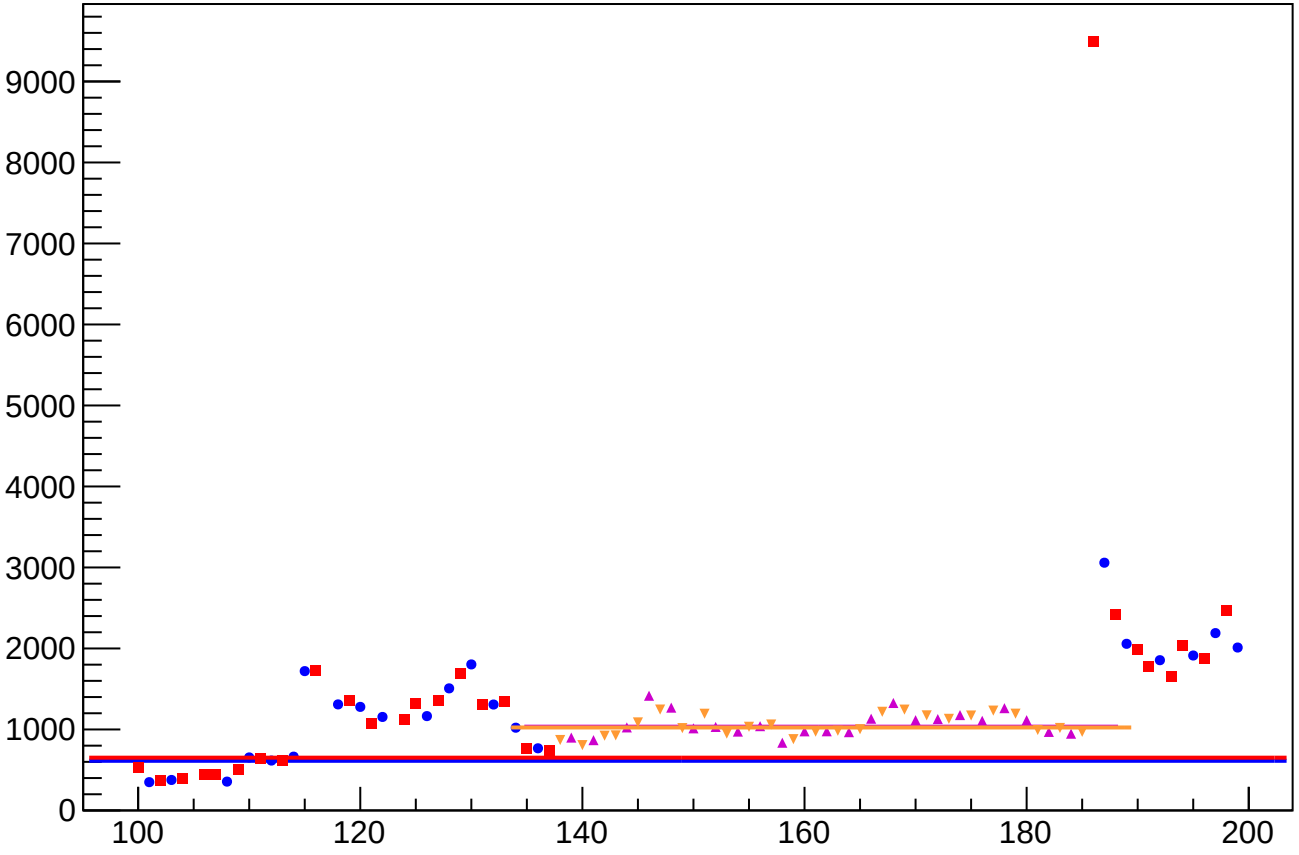
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 322.428+/-162.358 χ^2/NDF: 52.9/46

All: 157.514+/-115.884 χ^2/NDF: 116.6/96

- sign -13.754+/-165.455 χ^2/NDF: 61.6/49

asym_sam6_reg_correction_rms vs Slug



Right In: 612.998+/-0.159 χ^2/NDF: 7966793.5/21

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 651.628+/-0.159 χ^2/NDF: 8623794.5/26

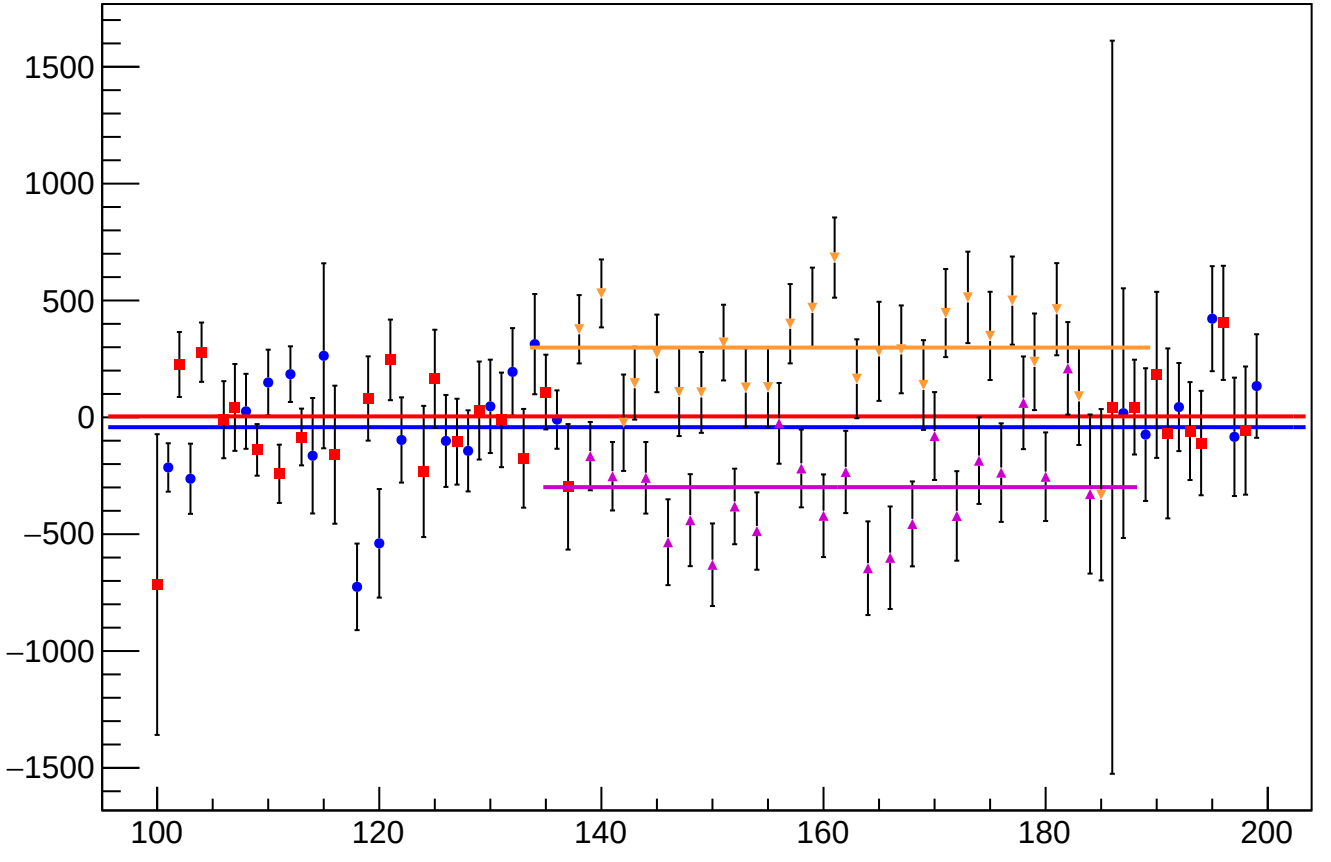
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 809.272+/-0.115 χ^2/NDF: 11769462.2/46

All: 818.174+/-0.082 χ^2/NDF: 23692600.6/96

- sign 827.419+/-0.117 χ^2/NDF: 11910881.7/49

cor_asym_sam6_mean vs Slug



Right In: -42.162+/-37.891 χ^2/NDF: 39.9/21

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 4.038+/-35.975 χ^2/NDF: 24.6/26

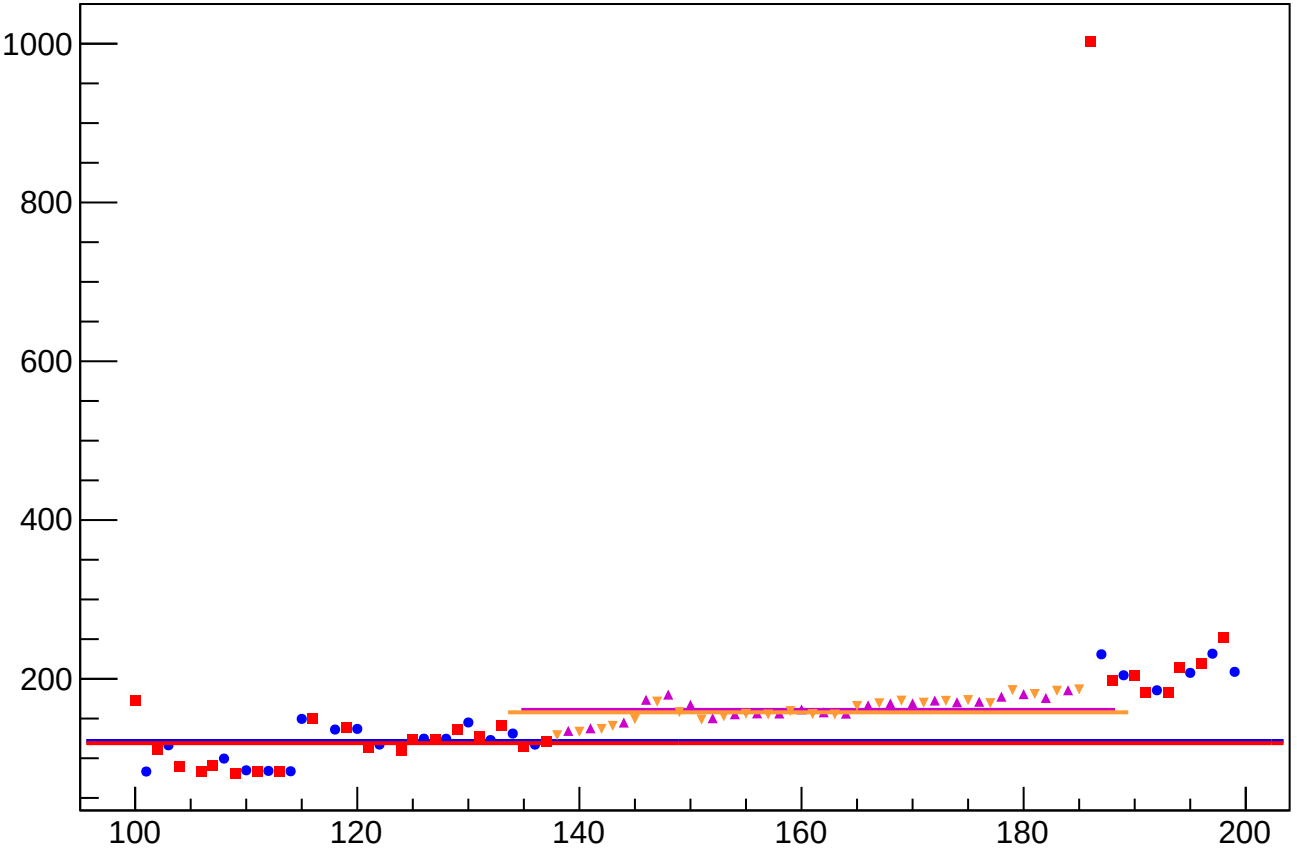
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.652+/-26.118 χ^2/NDF: 108.3/46

All: -2.178+/-18.439 χ^2/NDF: 252.4/96

- sign -140.131+/-26.035 χ^2/NDF: 87.7/49

cor_asym_sam6_rms vs Slug



Right In: 121.713+/-0.027 χ^2/NDF: 2230088.5/21

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 119.000+/-0.025 χ^2/NDF: 3419971.3/26

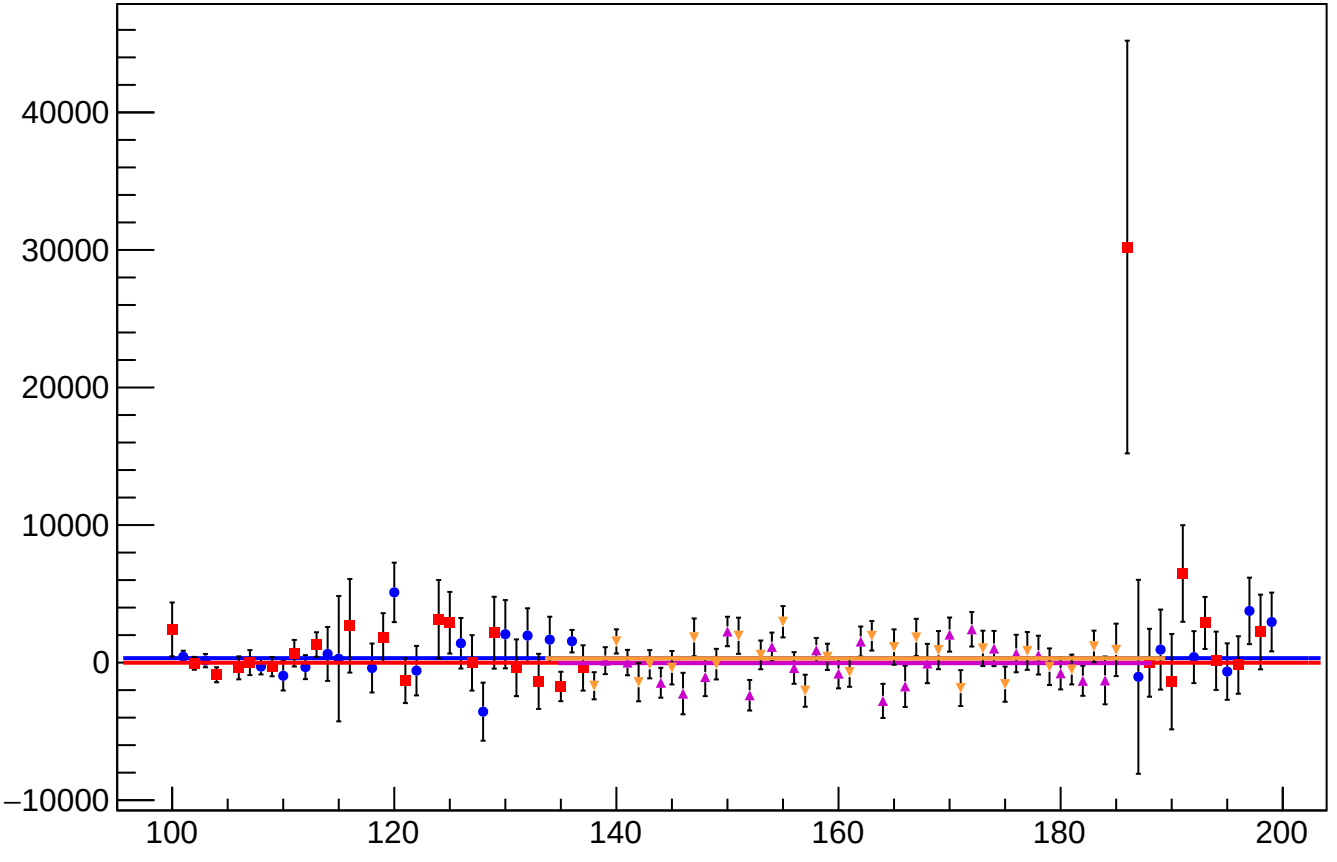
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 140.673+/-0.018 χ^2/NDF: 3561403.1/46

All: 139.805+/-0.013 χ^2/NDF: 8544619.8/96

- sign 138.942+/-0.018 χ^2/NDF: 4978811.6/49

asym_sam6_cor_correction_mean vs Slug



Right In: 324.820+/-224.492 χ^2/NDF: 20.4/21

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -8.369+/-225.565 χ^2/NDF: 26.9/26

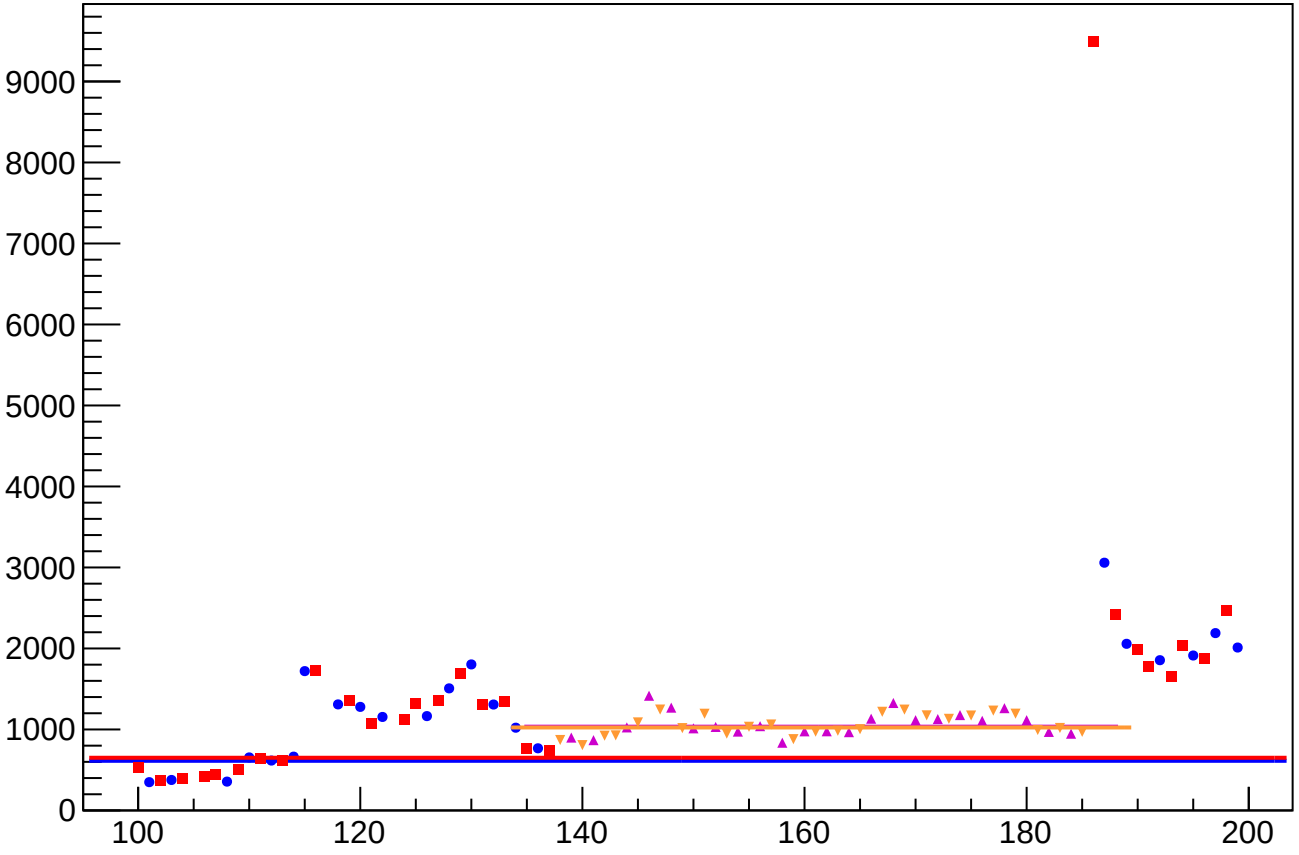
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 322.499+/-162.355 χ^2/NDF: 52.9/46

All: 153.466+/-115.961 χ^2/NDF: 116.8/96

- sign -22.565+/-165.682 χ^2/NDF: 61.7/49

asym_sam6_cor_correction_rms vs Slug



Right In: 612.973+/-0.159 χ^2/NDF: 7967133.5/21

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 650.599+/-0.159 χ^2/NDF: 8652324.6/26

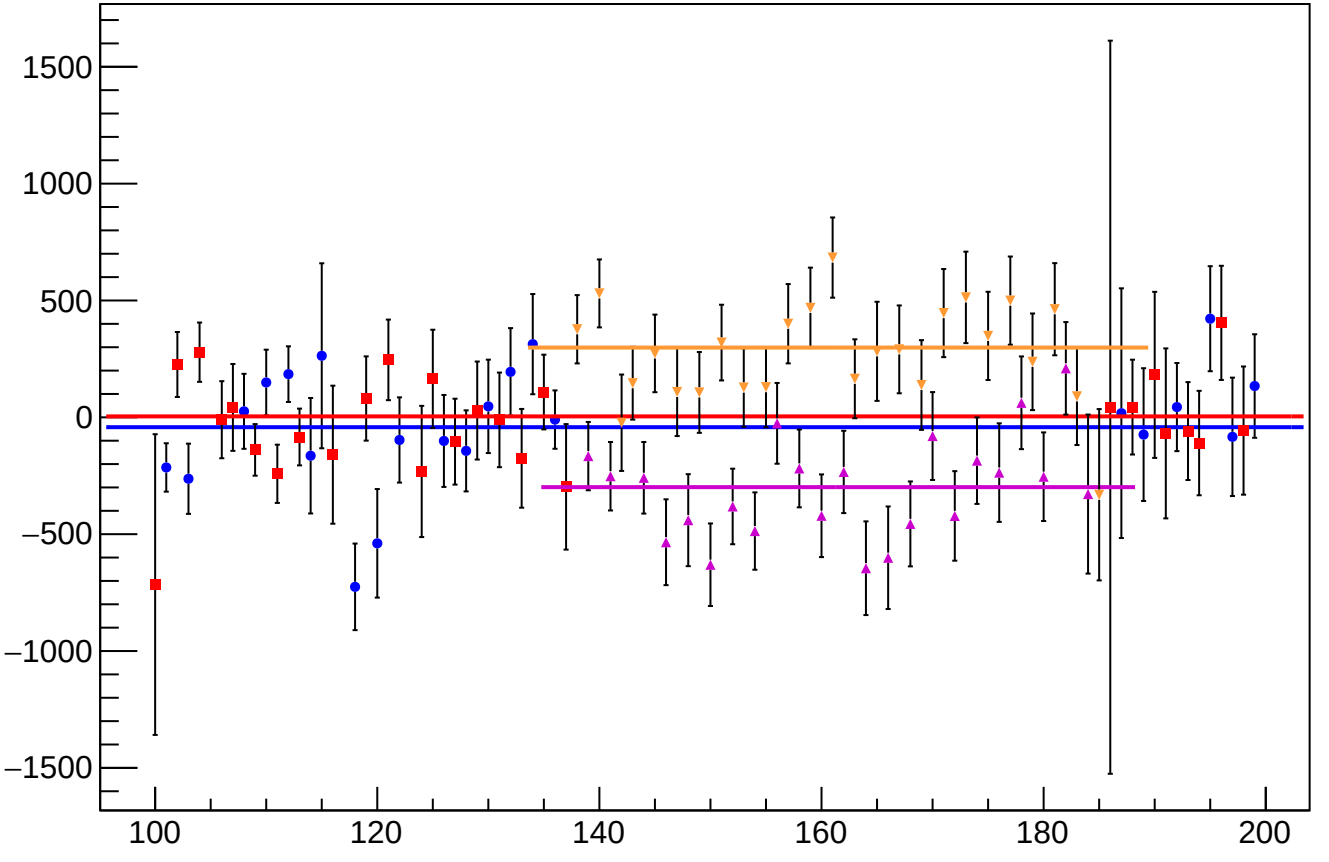
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 809.253+/-0.115 χ^2/NDF: 11770283.4/46

All: 818.116+/-0.082 χ^2/NDF: 23729949.3/96

- sign 827.346+/-0.117 χ^2/NDF: 11947499.3/49

eigen_cor_asym_sam6_mean vs Slug



Right In: -42.162+/-37.891 χ^2/NDF: 39.9/21

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 4.038+/-35.975 χ^2/NDF: 24.6/26

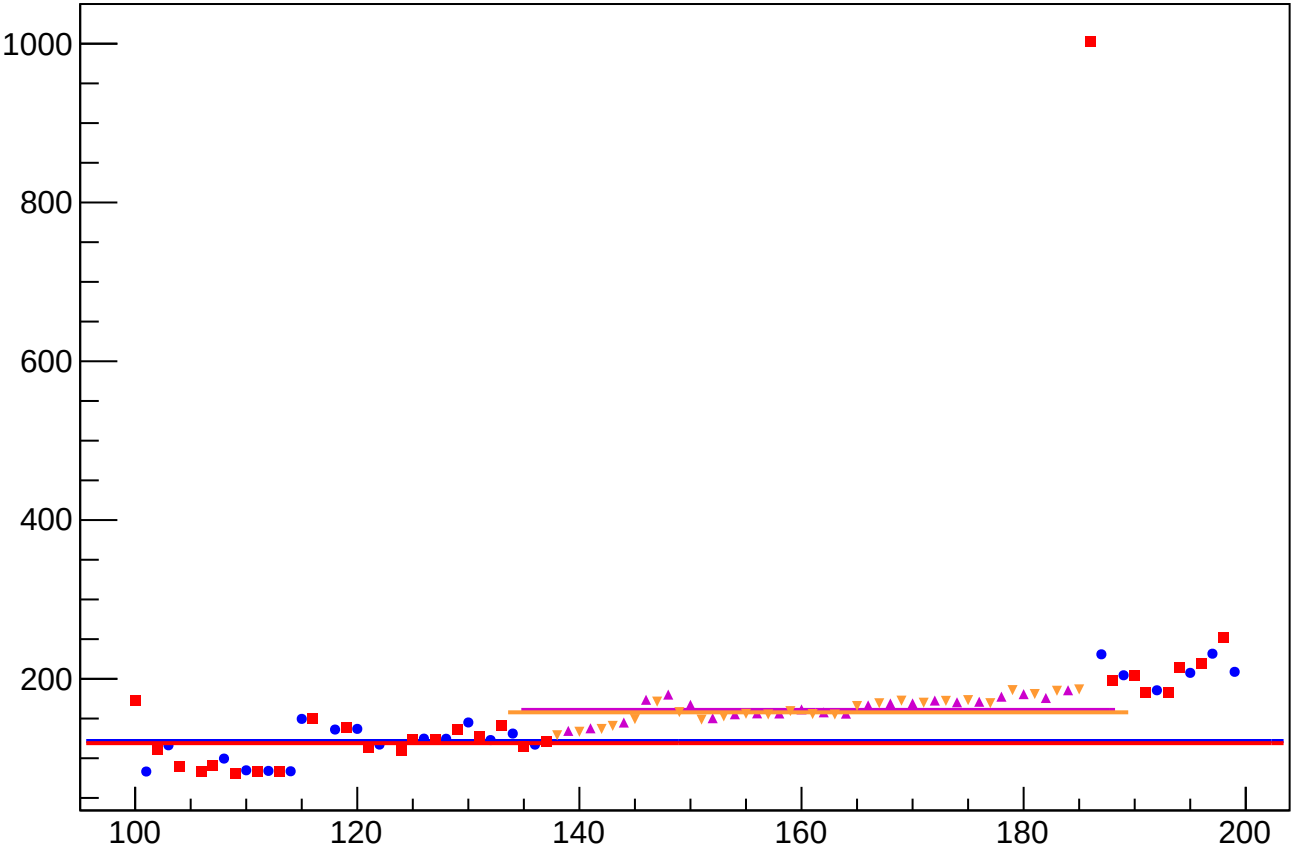
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.652+/-26.118 χ^2/NDF: 108.3/46

All: -2.178+/-18.439 χ^2/NDF: 252.4/96

- sign -140.131+/-26.035 χ^2/NDF: 87.7/49

eigen_cor_asym_sam6_rms vs Slug



Right In: 121.713+/-0.027 χ^2/NDF: 2230088.5/21

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 119.000+/-0.025 χ^2/NDF: 3419971.3/26

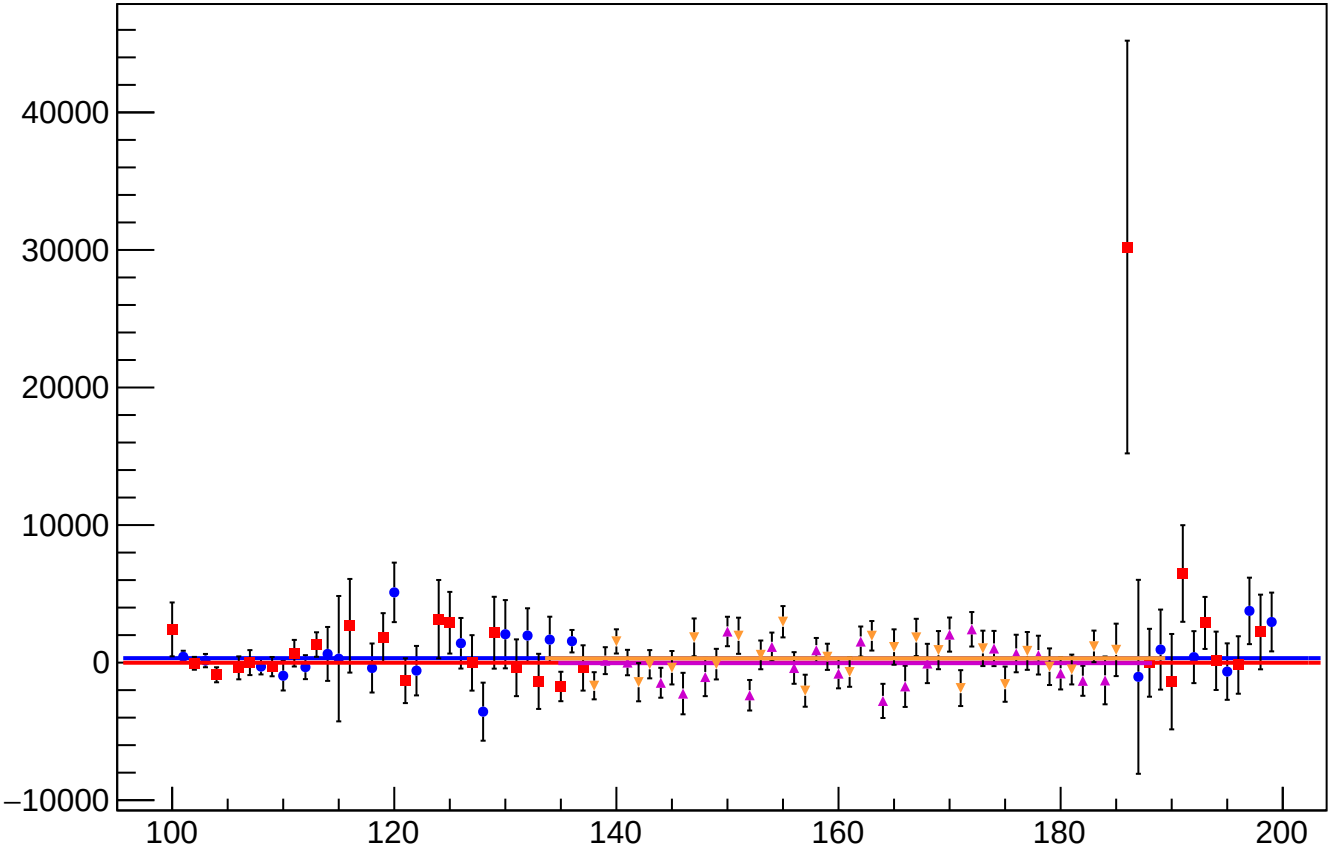
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 140.673+/-0.018 χ^2/NDF: 3561403.1/46

All: 139.805+/-0.013 χ^2/NDF: 8544619.8/96

- sign 138.942+/-0.018 χ^2/NDF: 4978811.6/49

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 324.820+/-224.492 χ^2/NDF: 20.4/21

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -8.369+/-225.565 χ^2/NDF: 26.9/26

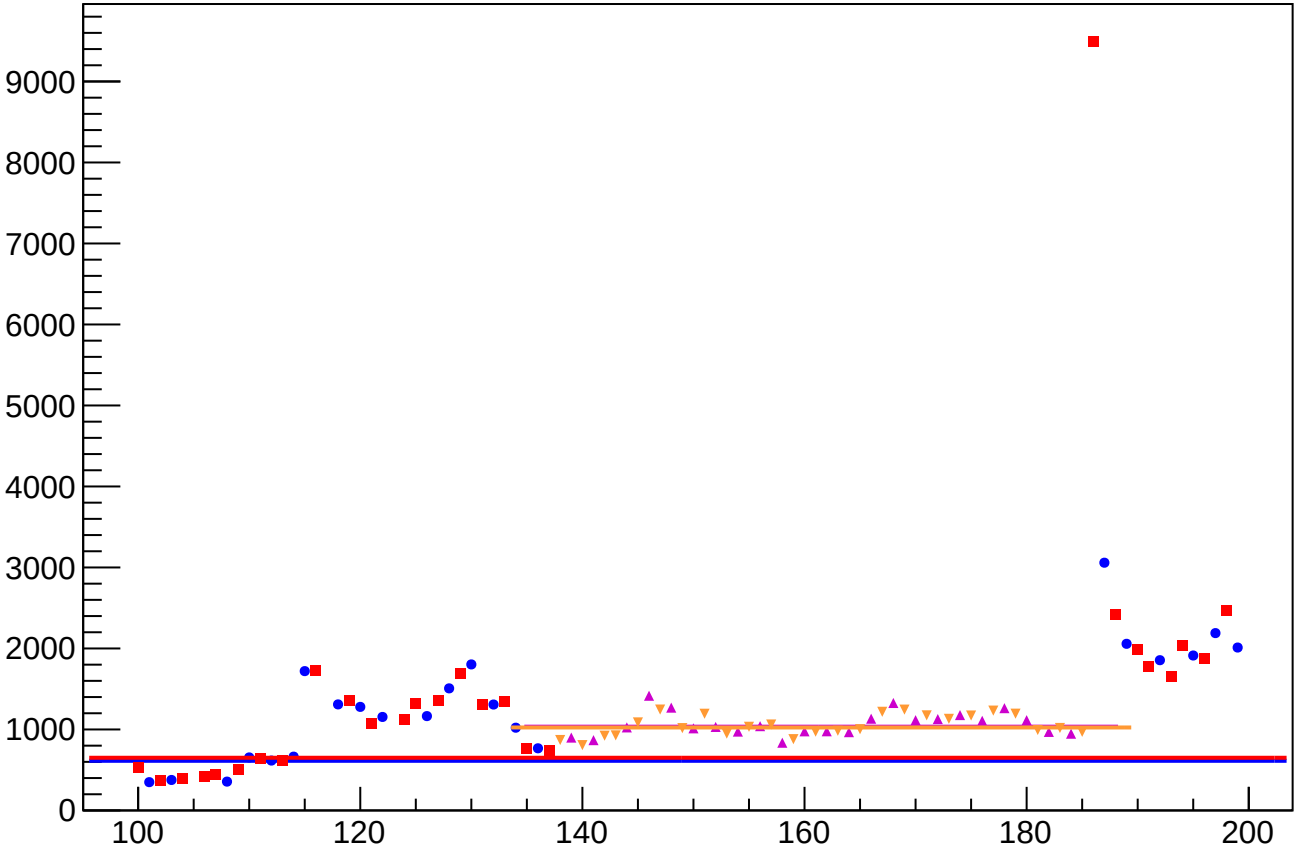
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 322.499+/-162.355 χ^2/NDF: 52.9/46

All: 153.466+/-115.961 χ^2/NDF: 116.8/96

- sign -22.565+/-165.682 χ^2/NDF: 61.7/49

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 612.973+/-0.159 χ^2/NDF: 7967133.5/21

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 650.599+/-0.159 χ^2/NDF: 8652324.6/26

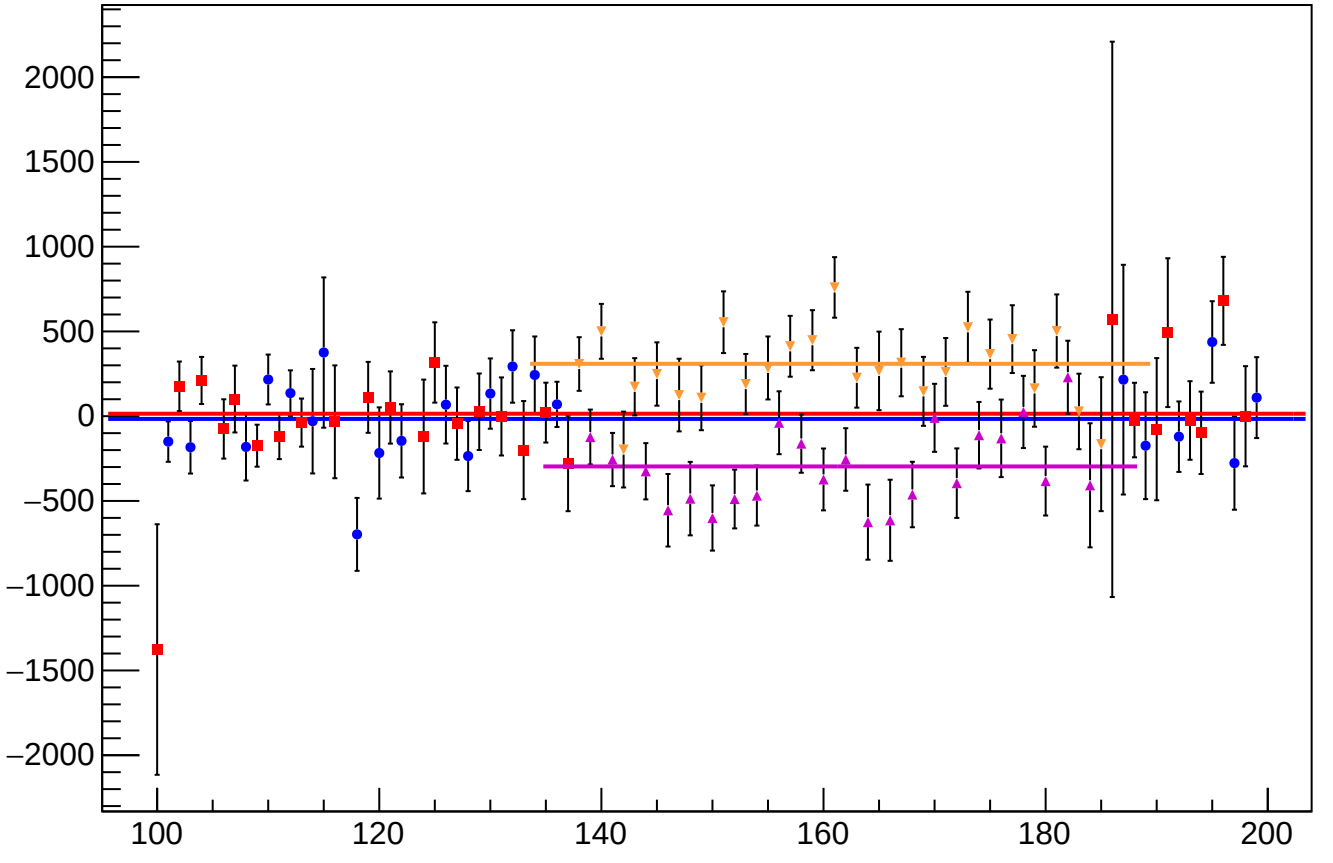
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 809.253+/-0.115 χ^2/NDF: 11770283.4/46

All: 818.116+/-0.082 χ^2/NDF: 23729949.3/96

- sign 827.346+/-0.117 χ^2/NDF: 11947499.3/49

dit_asym_sam6_mean vs Slug



Right In: -16.156+/-42.337 χ^2/NDF: 29.6/21

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 14.460+/-40.138 χ^2/NDF: 22.6/26

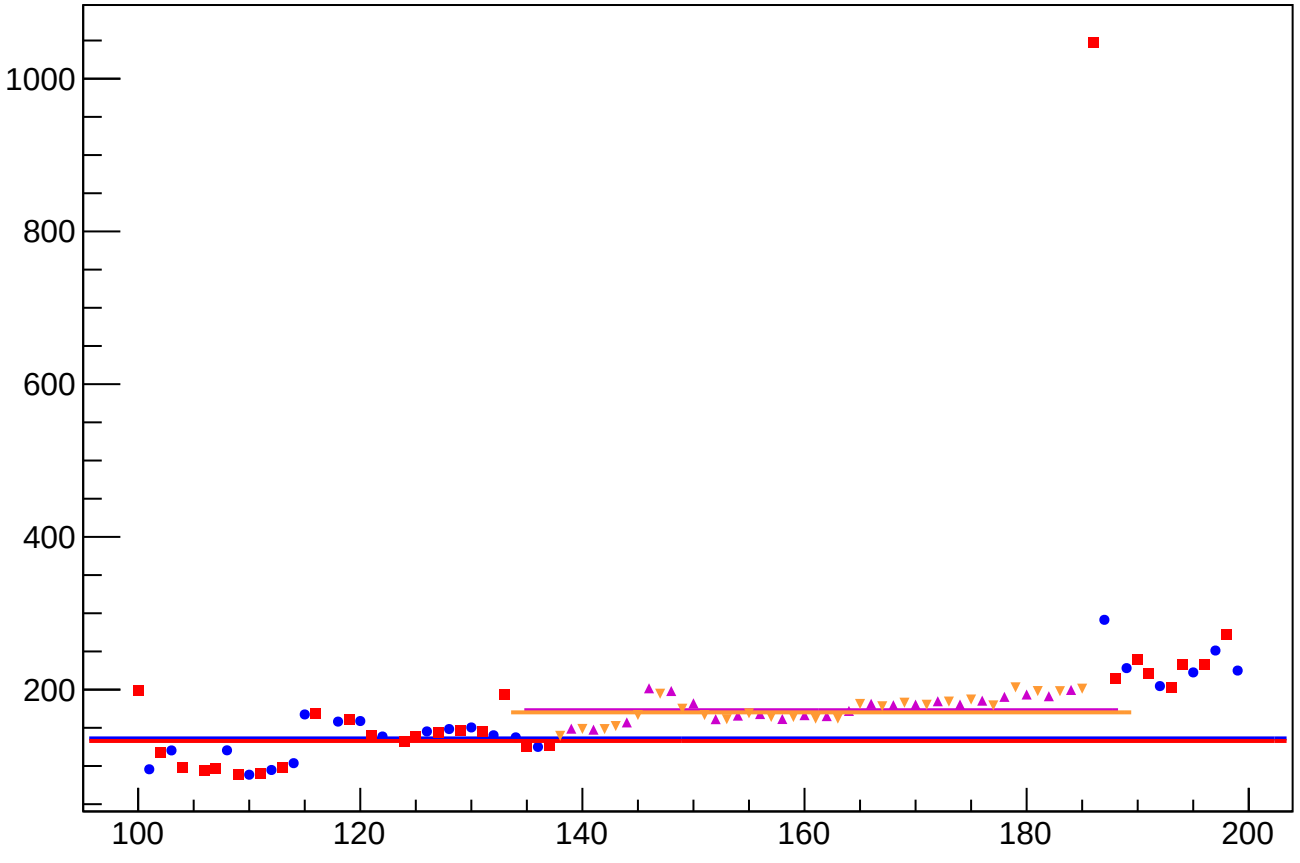
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 160.167+/-28.645 χ^2/NDF: 87.1/46

All: 9.961+/-20.220 χ^2/NDF: 222.0/96

- sign -139.215+/-28.546 χ^2/NDF: 80.1/49

dit_asym_sam6_rms vs Slug



Right In: 136.108+/-0.030 χ^2/NDF: 2141396.5/21

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 132.784+/-0.028 χ^2/NDF: 3463573.5/26

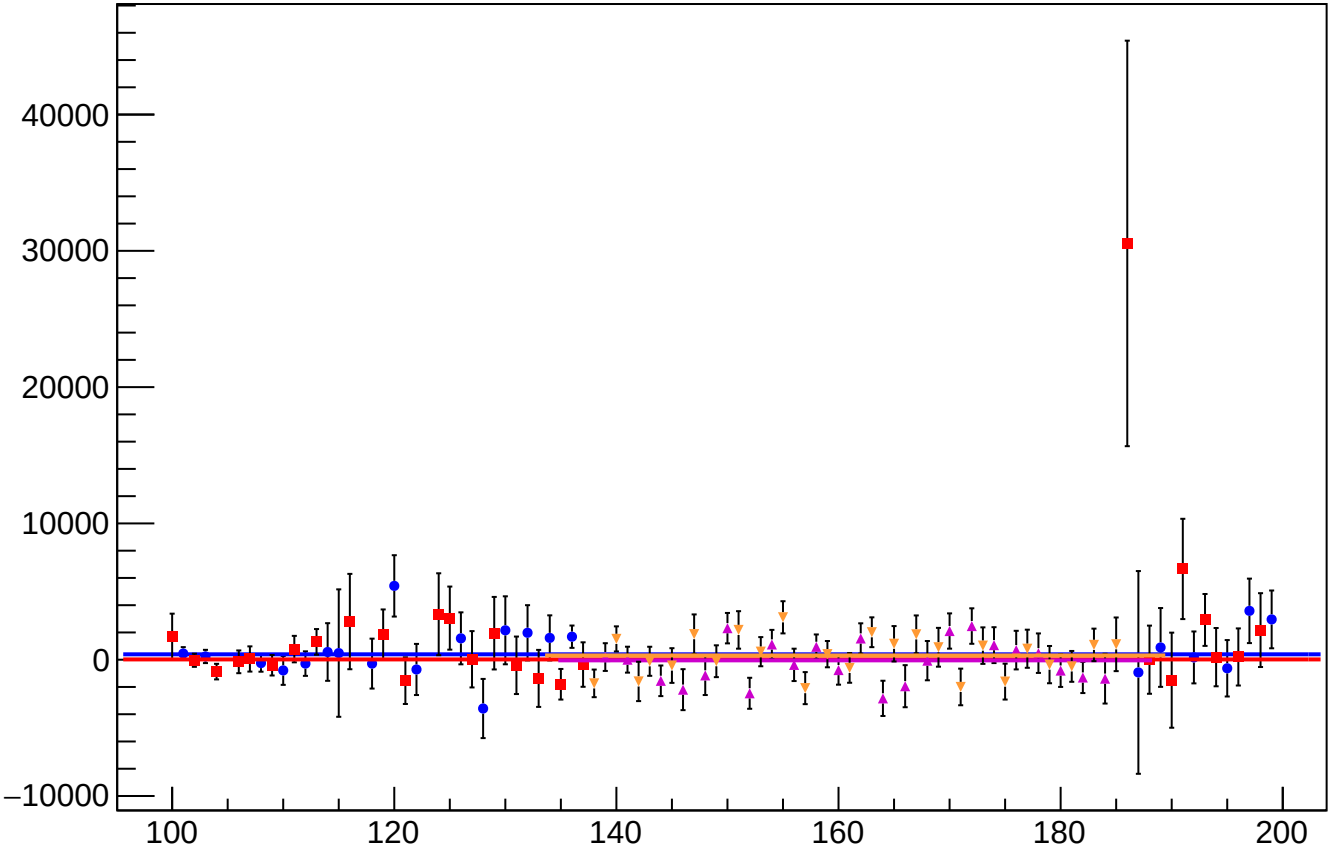
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 154.615+/-0.020 χ^2/NDF: 3212560.0/46

All: 153.640+/-0.014 χ^2/NDF: 7967850.9/96

- sign 152.671+/-0.020 χ^2/NDF: 4750665.8/49

asym_sam6_dit_correction_mean vs Slug



Right In: 395.450+/-234.471 χ^2/NDF: 19.9/21

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 21.126+/-232.677 χ^2/NDF: 26.0/26

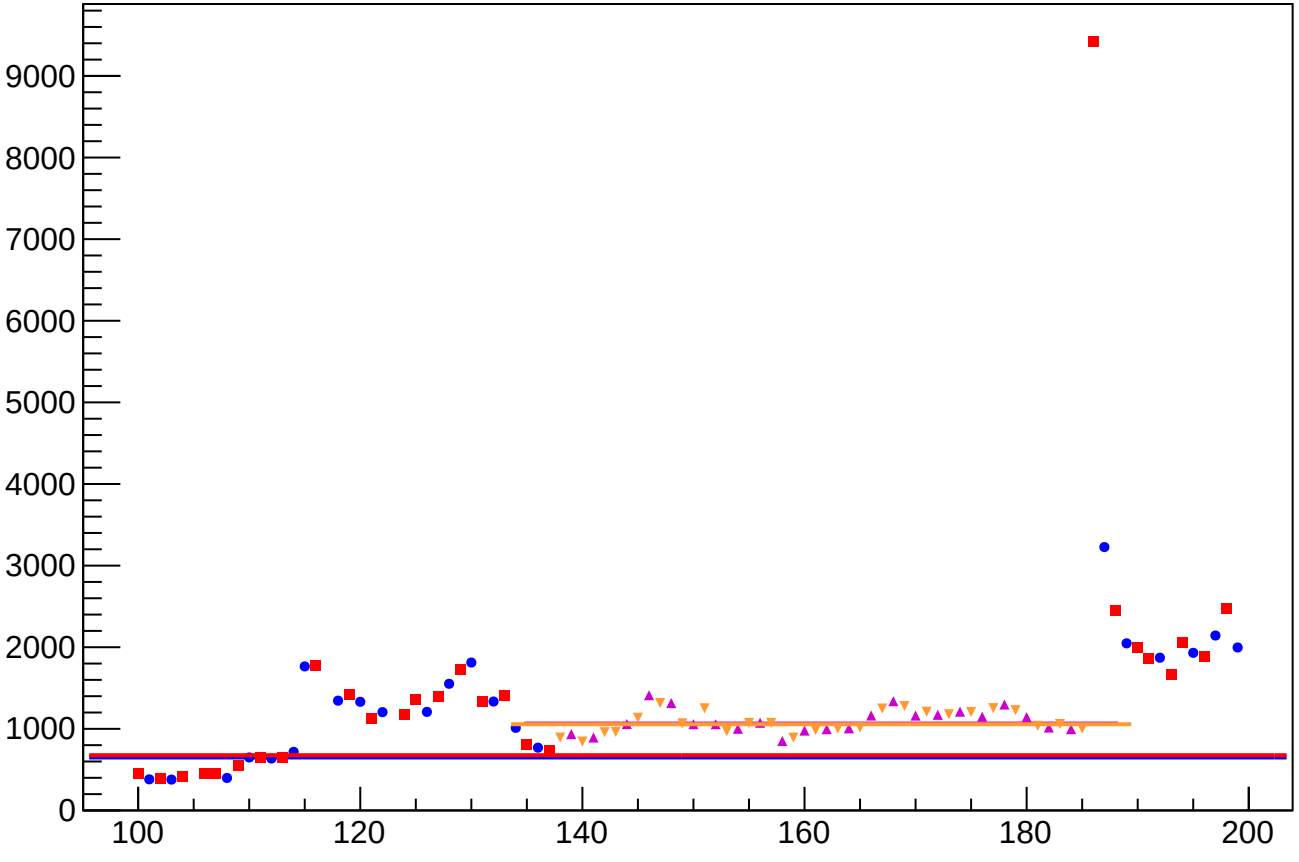
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 355.906+/-168.530 χ^2/NDF: 52.8/46

All: 175.098+/-119.934 χ^2/NDF: 115.7/96

- sign -10.433+/-170.717 χ^2/NDF: 60.5/49

asym_sam6_dit_correction_rms vs Slug



Right In: 649.260+/-0.166 χ^2/NDF: 7571579.8/21

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 677.024+/-0.165 χ^2/NDF: 8505233.2/26

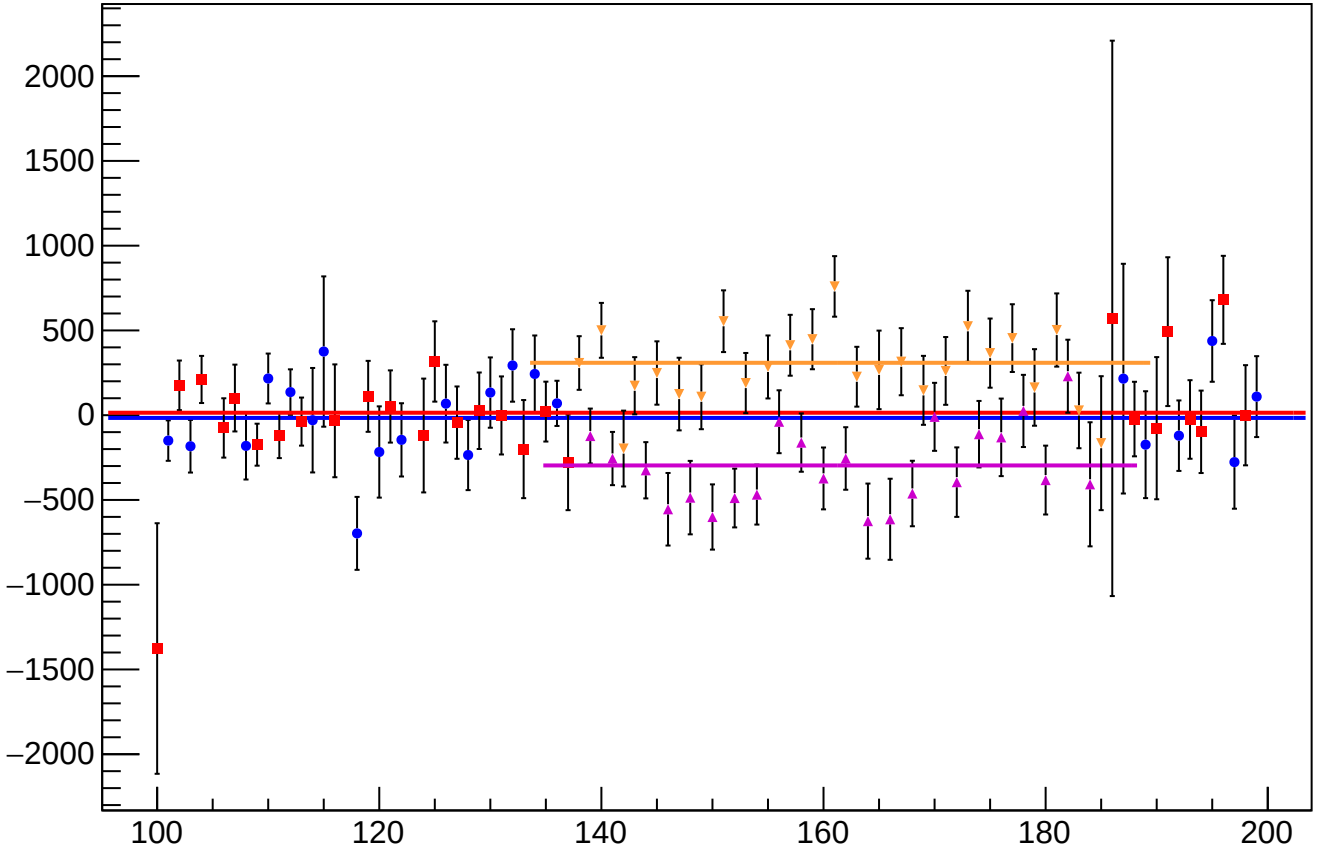
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 846.026+/-0.119 χ^2/NDF: 11096149.5/46

All: 850.948+/-0.085 χ^2/NDF: 22779057.8/96

- sign 856.000+/-0.121 χ^2/NDF: 11679450.9/49

eigen_dit_asym_sam6_mean vs Slug



Right In: -16.158+/-42.336 χ^2/NDF: 29.6/21

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 14.460+/-40.138 χ^2/NDF: 22.6/26

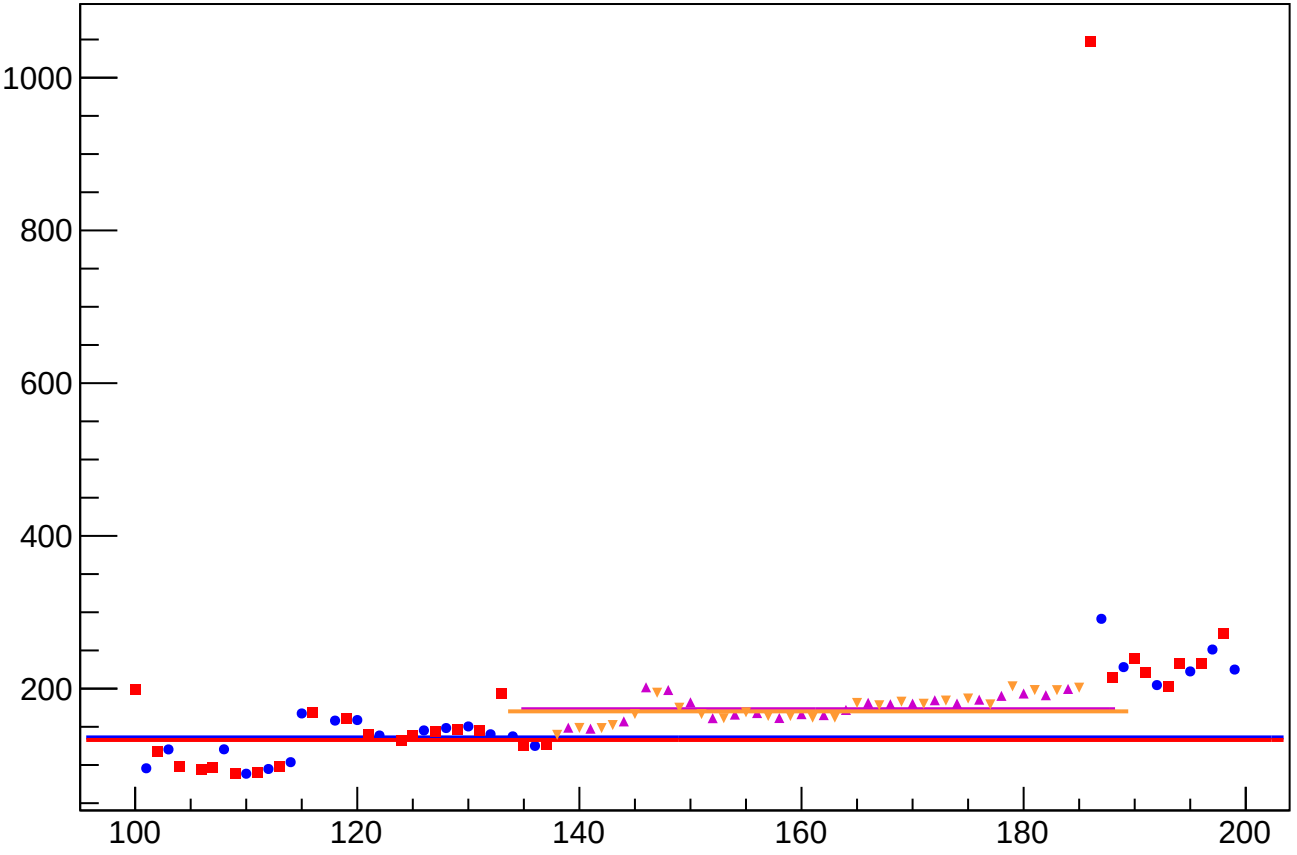
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 160.166+/-28.645 χ^2/NDF: 87.1/46

All: 9.960+/-20.220 χ^2/NDF: 222.0/96

- sign -139.215+/-28.546 χ^2/NDF: 80.1/49

eigen_dit_asym_sam6_rms vs Slug



Right In: 136.108+/-0.030 χ^2/NDF: 2141409.2/21

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 132.784+/-0.028 χ^2/NDF: 3463574.6/26

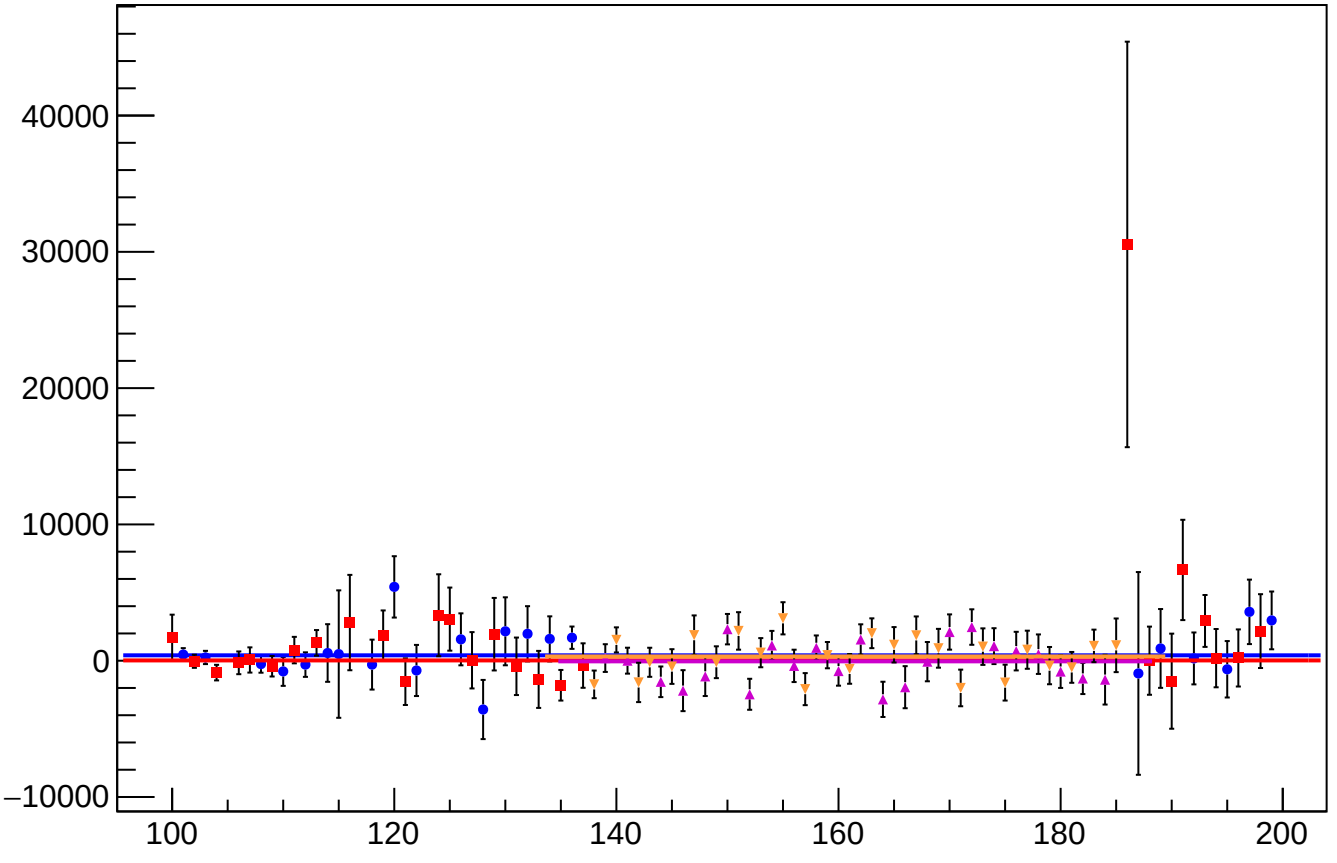
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 154.615+/-0.020 χ^2/NDF: 3212578.5/46

All: 153.639+/-0.014 χ^2/NDF: 7967876.1/96

- sign 152.670+/-0.020 χ^2/NDF: 4750672.5/49

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 395.450+/-234.470 χ^2/NDF: 19.9/21

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 21.125+/-232.677 χ^2/NDF: 26.0/26

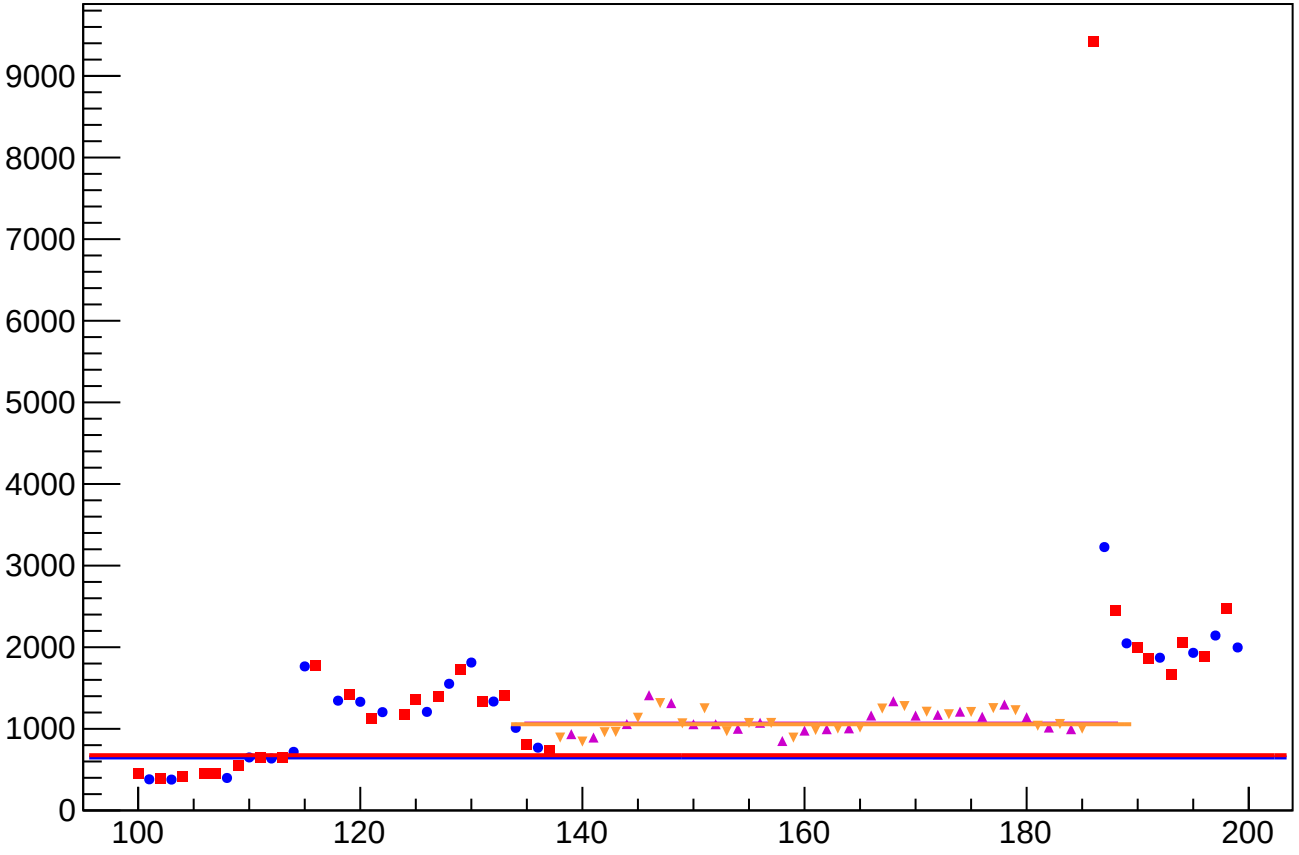
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 355.906+/-168.530 χ^2/NDF: 52.8/46

All: 175.098+/-119.934 χ^2/NDF: 115.7/96

- sign -10.433+/-170.717 χ^2/NDF: 60.5/49

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 649.259+/-0.166 χ^2/NDF: 7571586.9/21

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 677.023+/-0.165 χ^2/NDF: 8505236.4/26

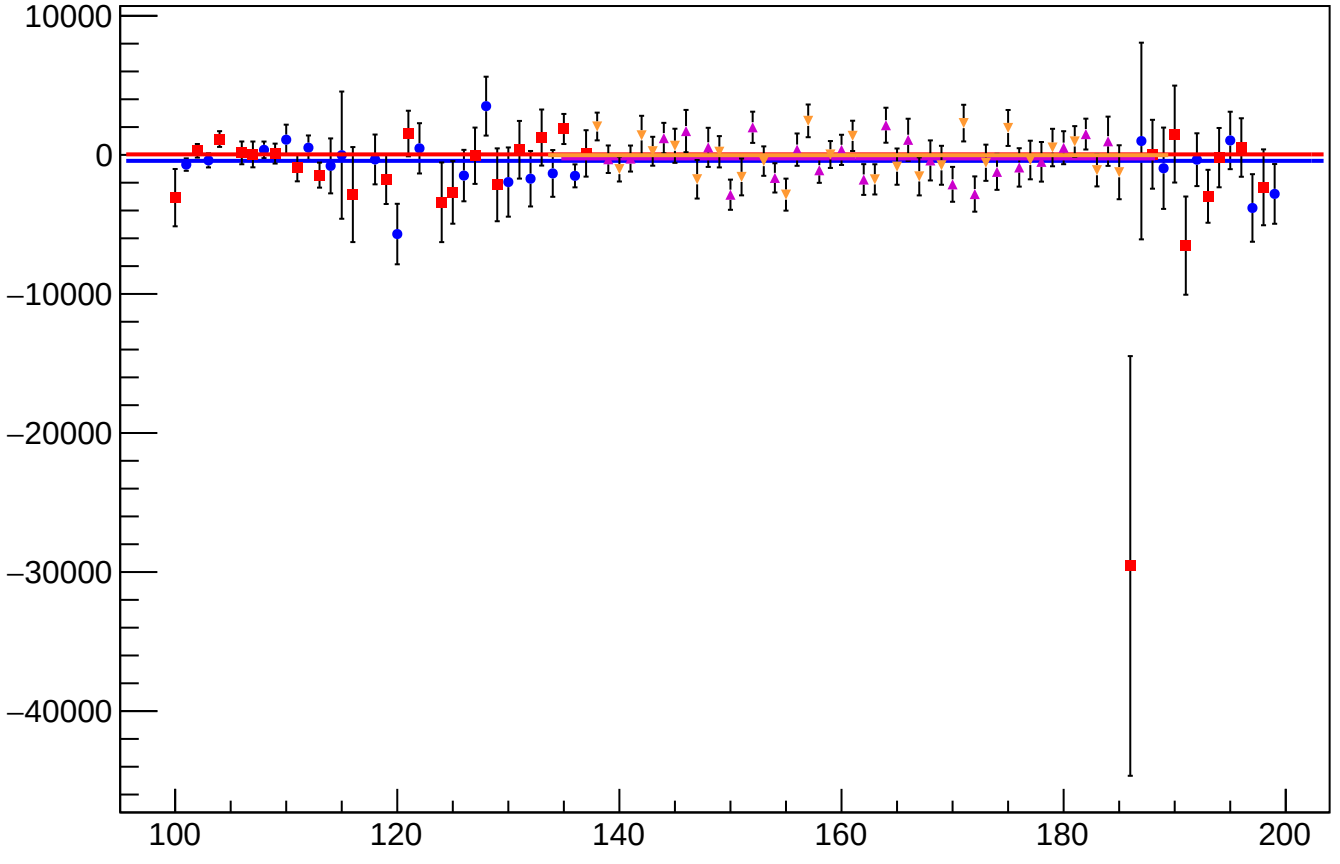
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 846.025+/-0.119 χ^2/NDF: 11096179.2/46

All: 850.948+/-0.085 χ^2/NDF: 22779103.8/96

- sign 855.999+/-0.121 χ^2/NDF: 11679467.1/49

asym_sam6_mean vs Slug



Right In: -429.142+/-230.880 χ^2/NDF: 21.7/21

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 36.378+/-230.605 χ^2/NDF: 30.3/26

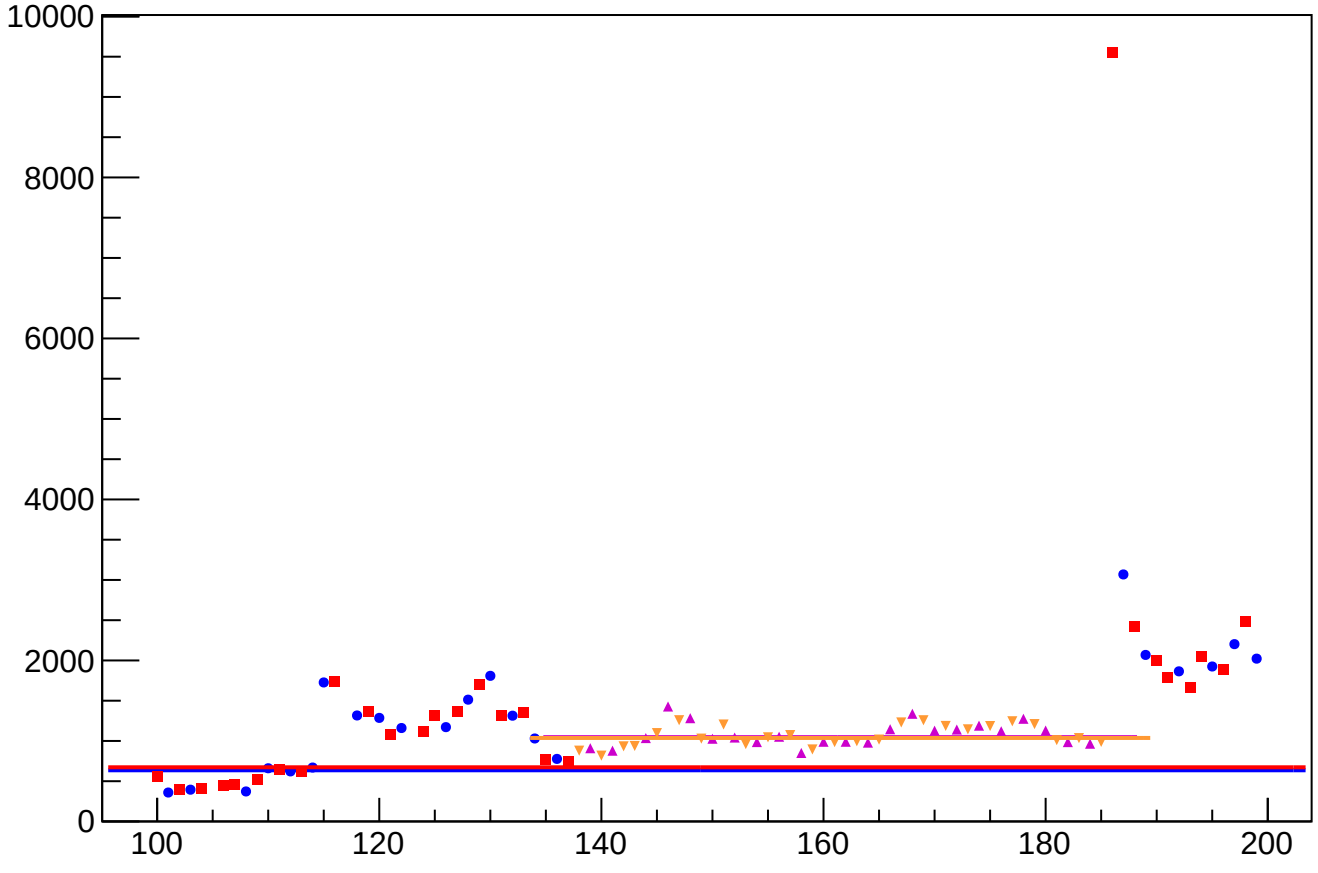
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -231.661+/-165.707 χ^2/NDF: 57.7/46

All: -166.678+/-118.191 χ^2/NDF: 122.7/96

- sign -99.387+/-168.625 χ^2/NDF: 64.6/49

asym_sam6_rms vs Slug



Right In: 635.706+/-0.163 χ^2/NDF: 7711181.1/21

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

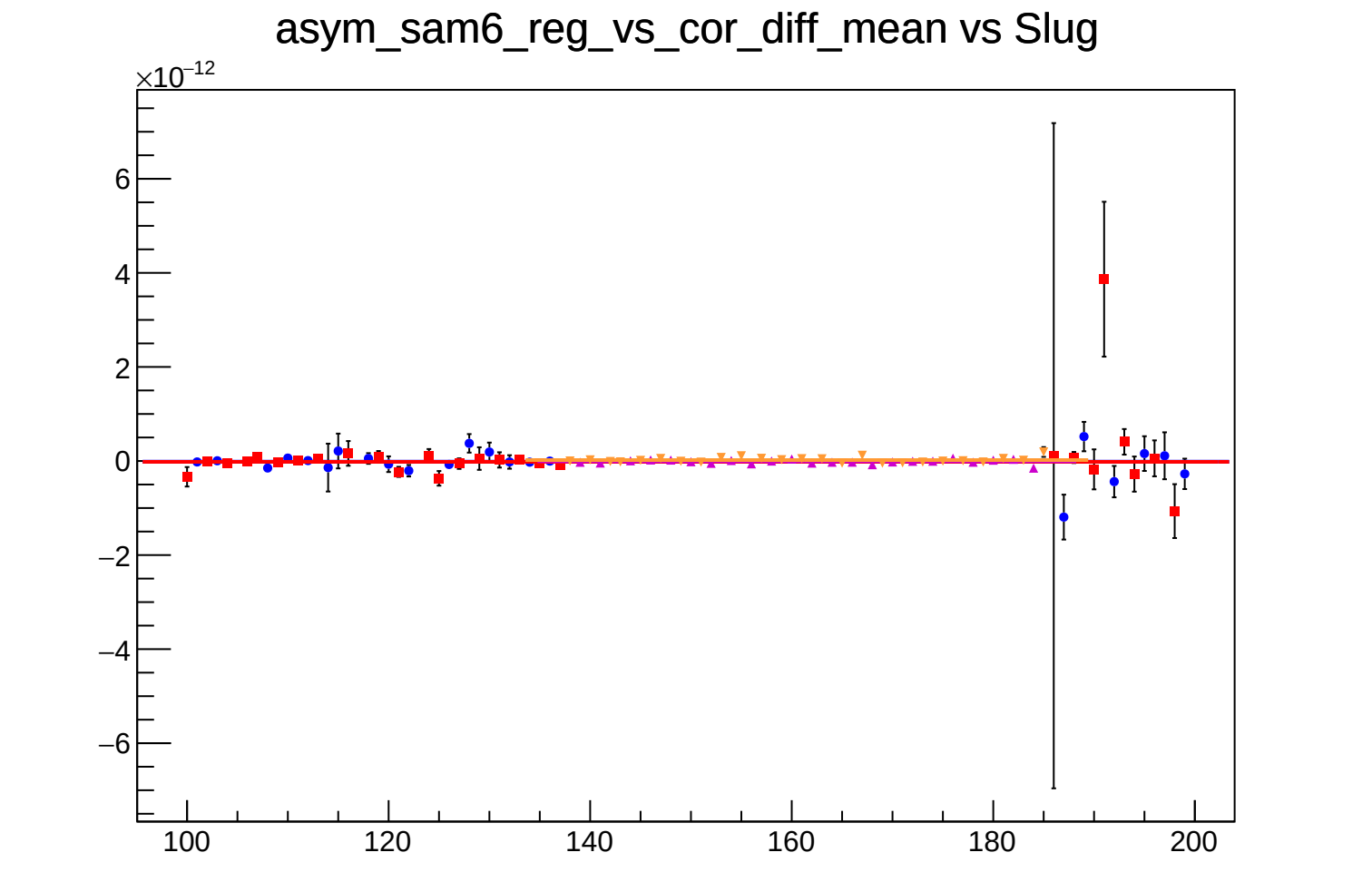
Right Out: 672.810+/-0.163 χ^2/NDF: 8387385.2/26

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 830.442+/-0.117 χ^2/NDF: 11231071.7/46

All: 838.682+/-0.084 χ^2/NDF: 22700406.4/96

- sign 847.215+/-0.119 χ^2/NDF: 11459267.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/26

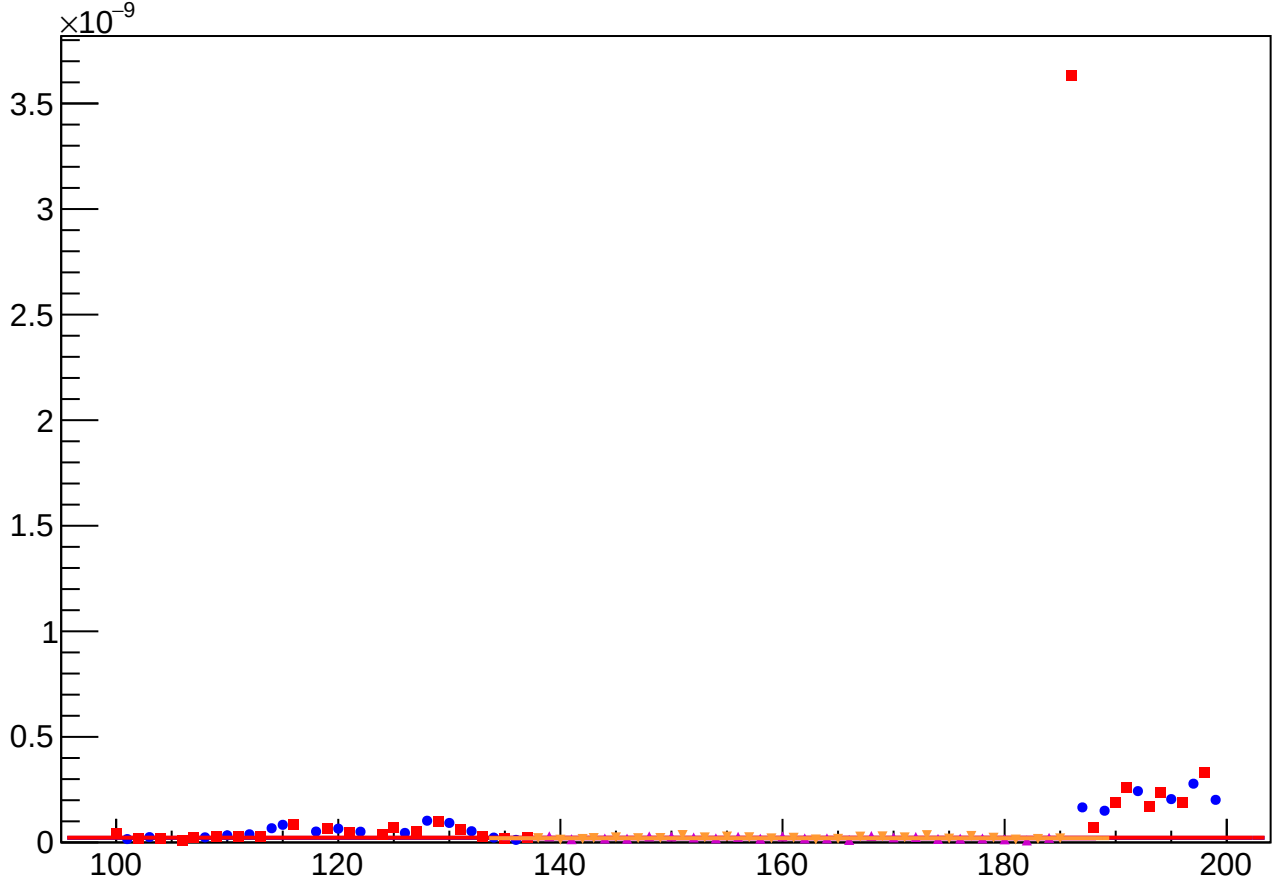
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/46

All: 0.000+/-0.000 χ^2/NDF: 118.5/96

- sign -0.000+/-0.000 χ^2/NDF: 51.6/49

asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5079789.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5306988.2/26

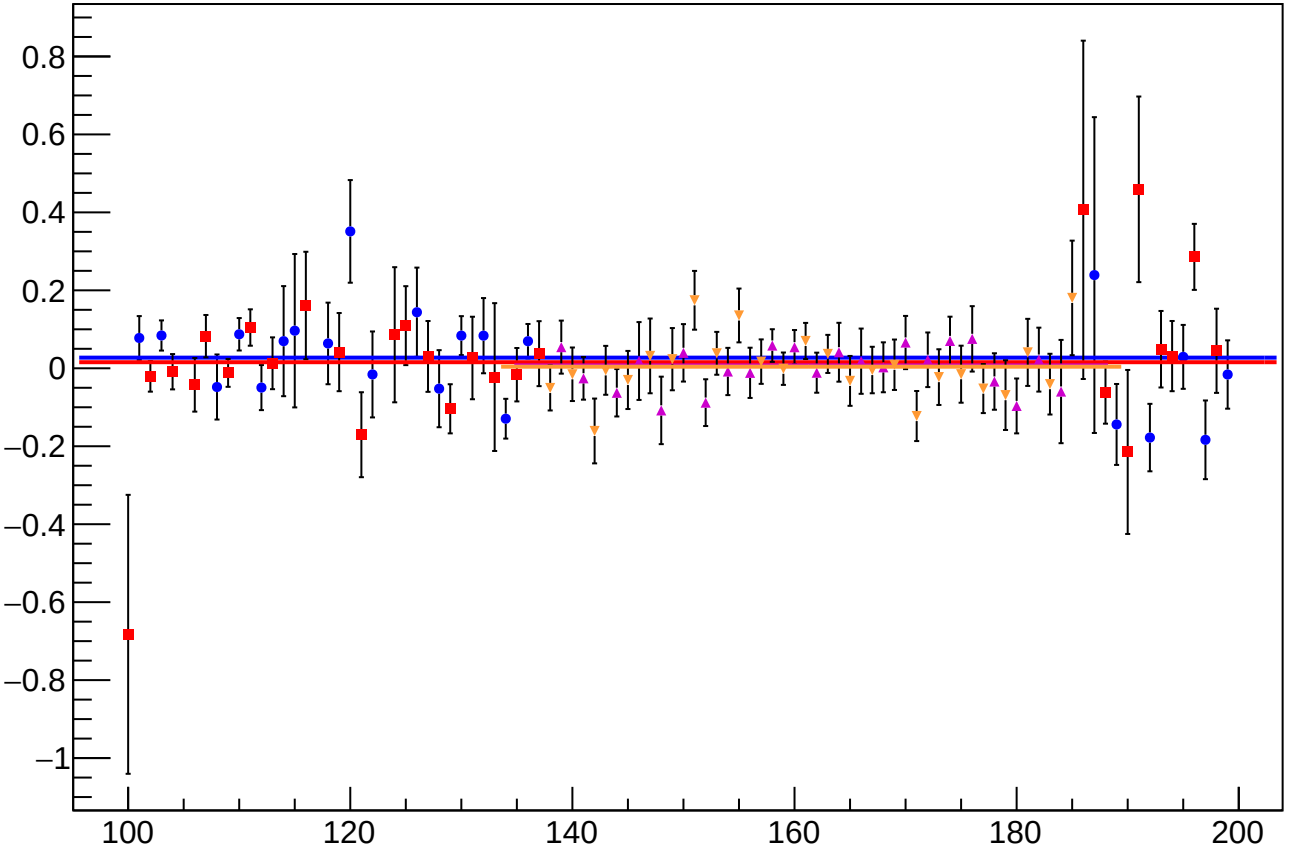
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6091399.4/46

All: 0.000+/-0.000 χ^2/NDF: 12552684.5/96

- sign 0.000+/-0.000 χ^2/NDF: 6455931.8/49

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.016+/-0.014 χ^2/NDF: 37.3/26

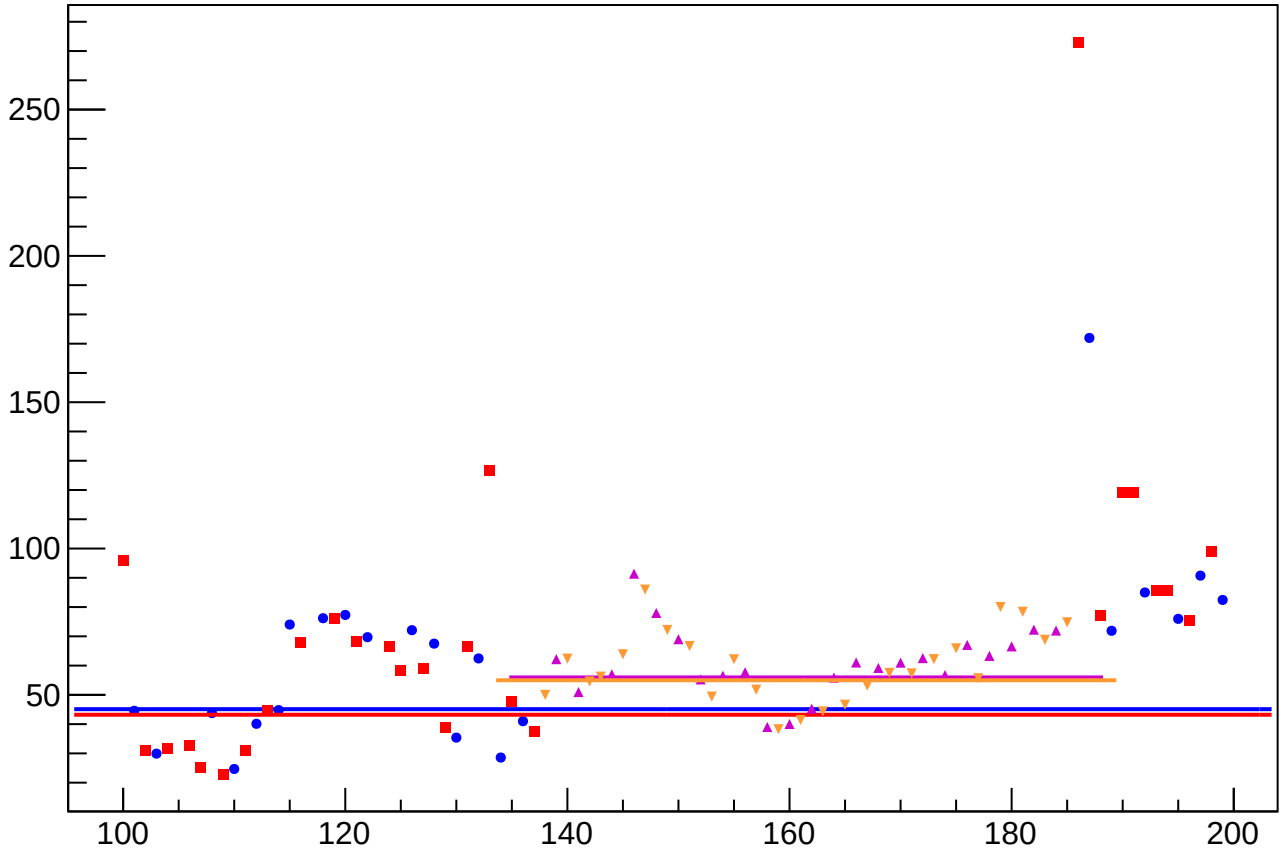
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.2/46

All: 0.013+/-0.007 χ^2/NDF: 119.8/96

- sign 0.011+/-0.010 χ^2/NDF: 52.6/49

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 45.111+/-0.011 χ^2/NDF: 3634641.7/21

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491887.2/26

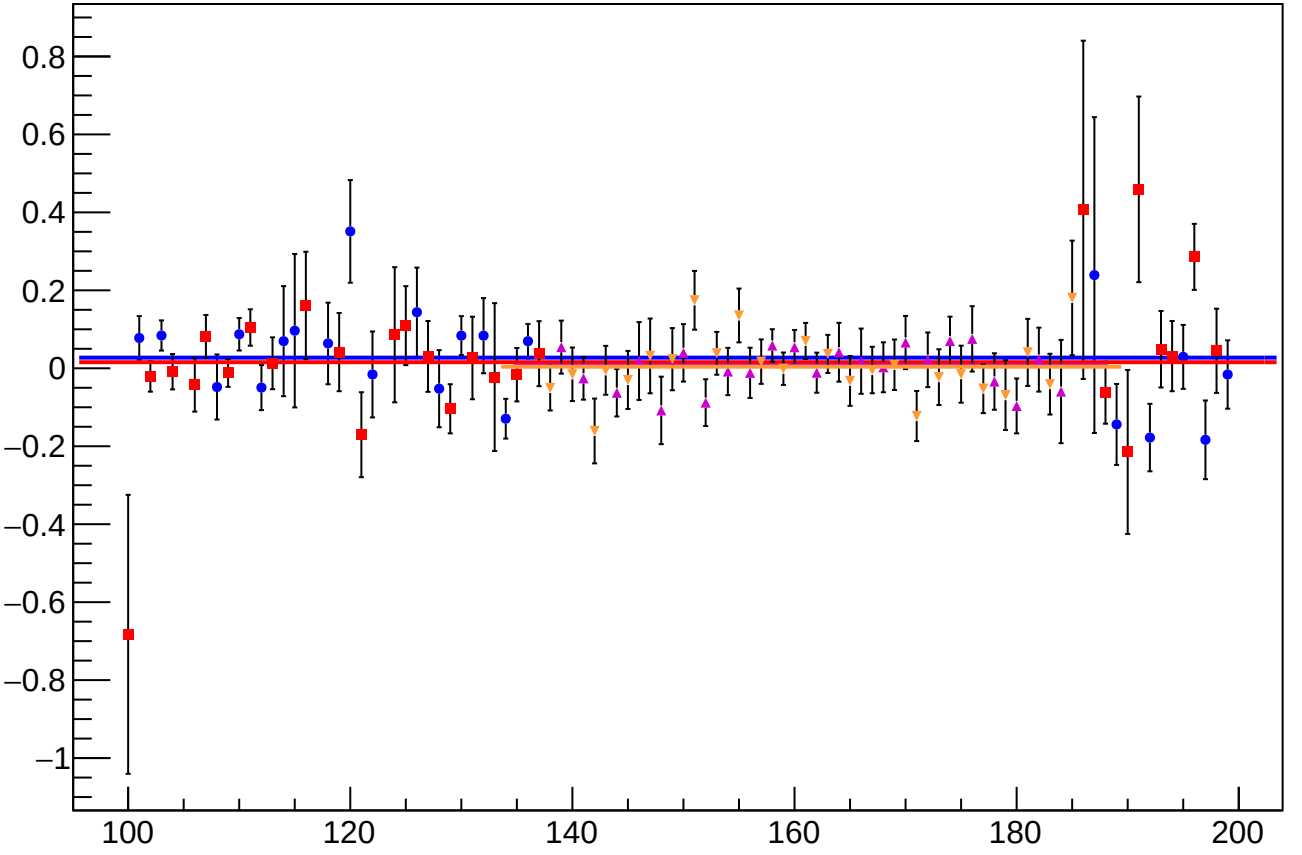
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

\+ sign 50.735+/-0.007 χ^2/NDF: 5701807.8/46

All: 50.290+/-0.005 χ^2/NDF: 13460689.2/96

\- sign 49.846+/-0.007 χ^2/NDF: 7750604.6/49

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.016+/-0.014 χ^2/NDF: 37.3/26

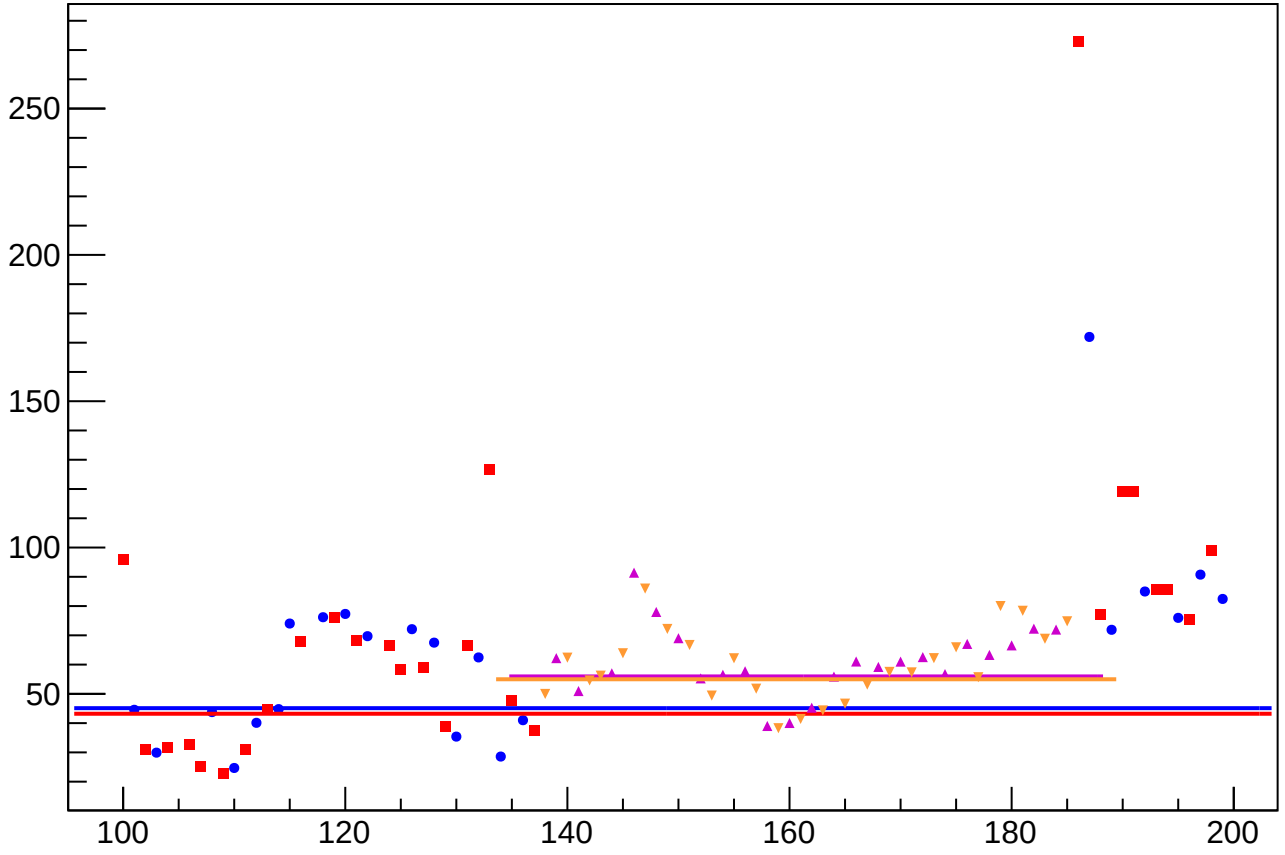
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.2/46

All: 0.013+/-0.007 χ^2/NDF: 119.8/96

- sign 0.011+/-0.010 χ^2/NDF: 52.6/49

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.111+/-0.011 χ^2/NDF: 3634641.7/21

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

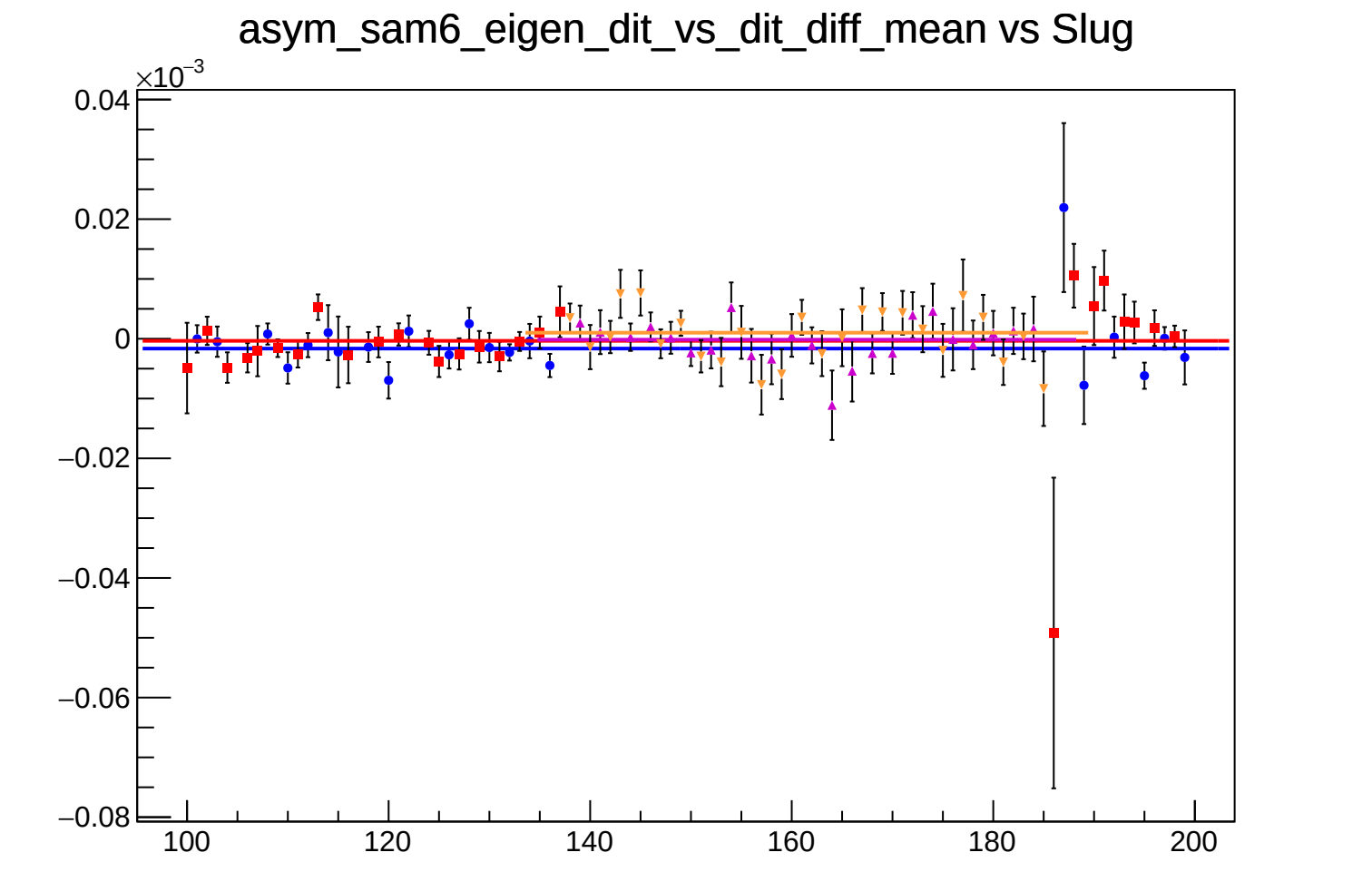
Right Out: 43.205+/-0.010 χ^2/NDF: 5491887.2/26

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

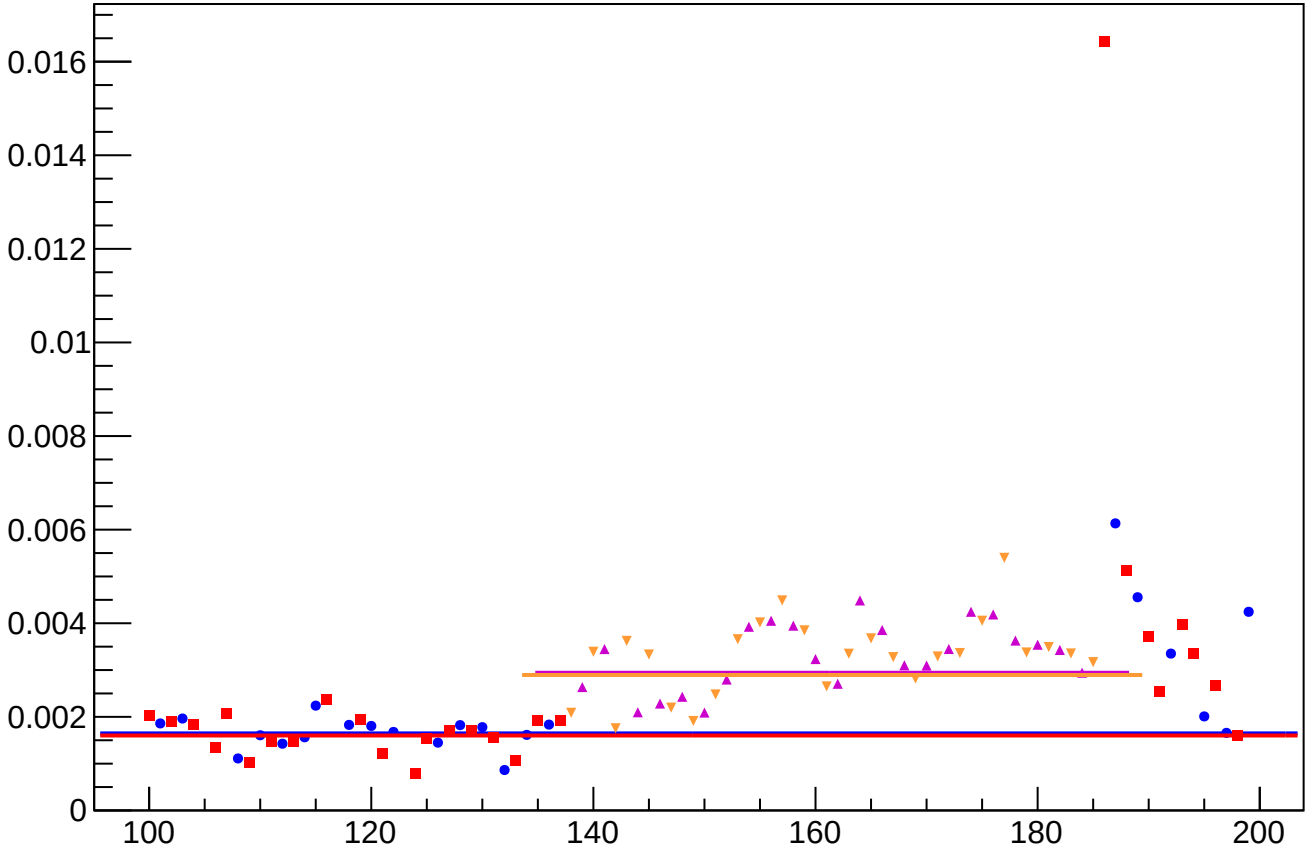
+ sign 50.735+/-0.007 χ^2/NDF: 5701807.8/46

All: 50.290+/-0.005 χ^2/NDF: 13460689.2/96

- sign 49.846+/-0.007 χ^2/NDF: 7750604.6/49


asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.2/21
Left Out: 0.000+/-0.000 χ²/NDF:28.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.5/26
Left In: -0.000+/-0.000 χ²/NDF:14.0/22
+ sign -0.000+/-0.000 χ²/NDF: 61.1/46
All: -0.000+/-0.000 χ²/NDF: 110.1/96
- sign -0.000+/-0.000 χ²/NDF: 48.6/49

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2812518.2/21

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4334635.3/26

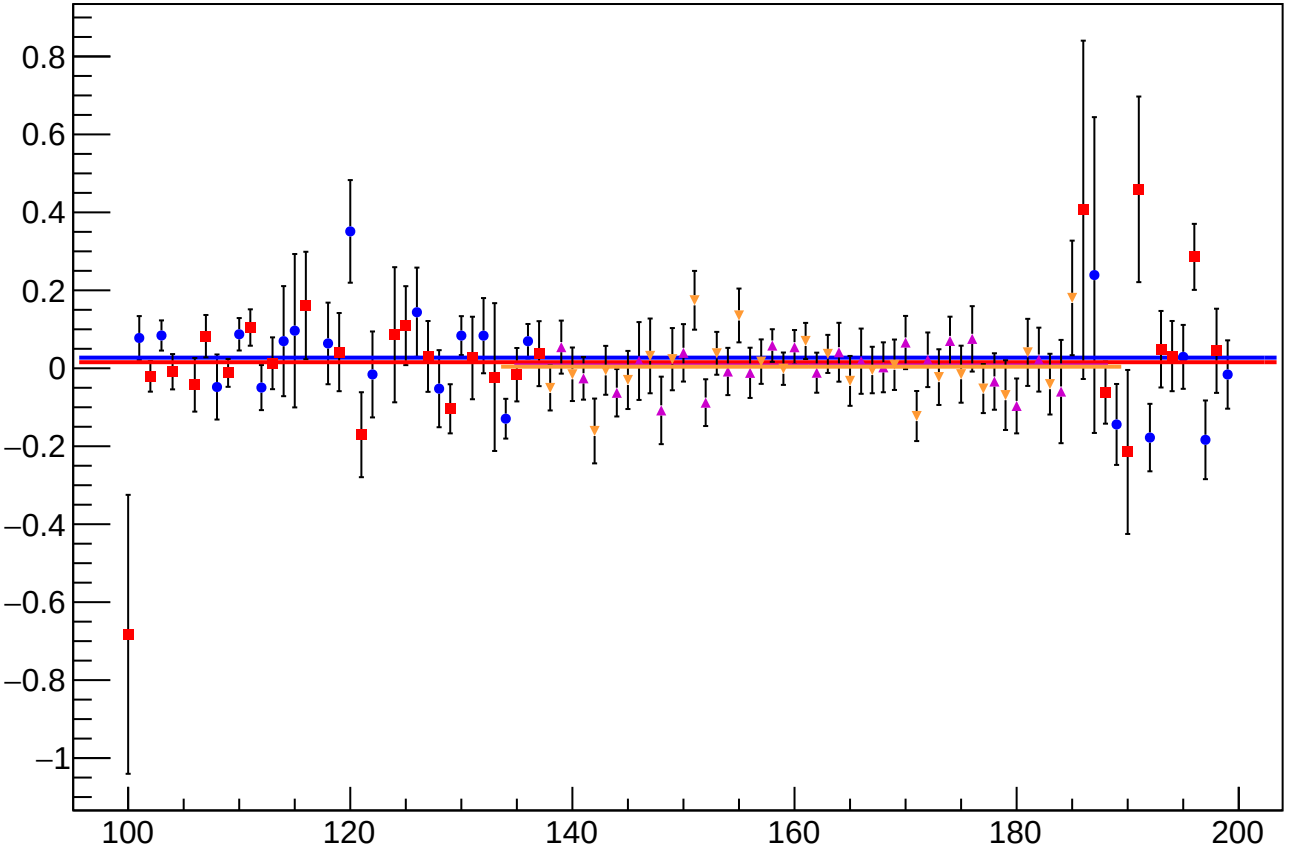
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 9624555.8/46

All: 0.002+/-0.000 χ^2/NDF: 20656990.7/96

- sign 0.002+/-0.000 χ^2/NDF: 11007453.4/49

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.016+/-0.014 χ^2/NDF: 37.3/26

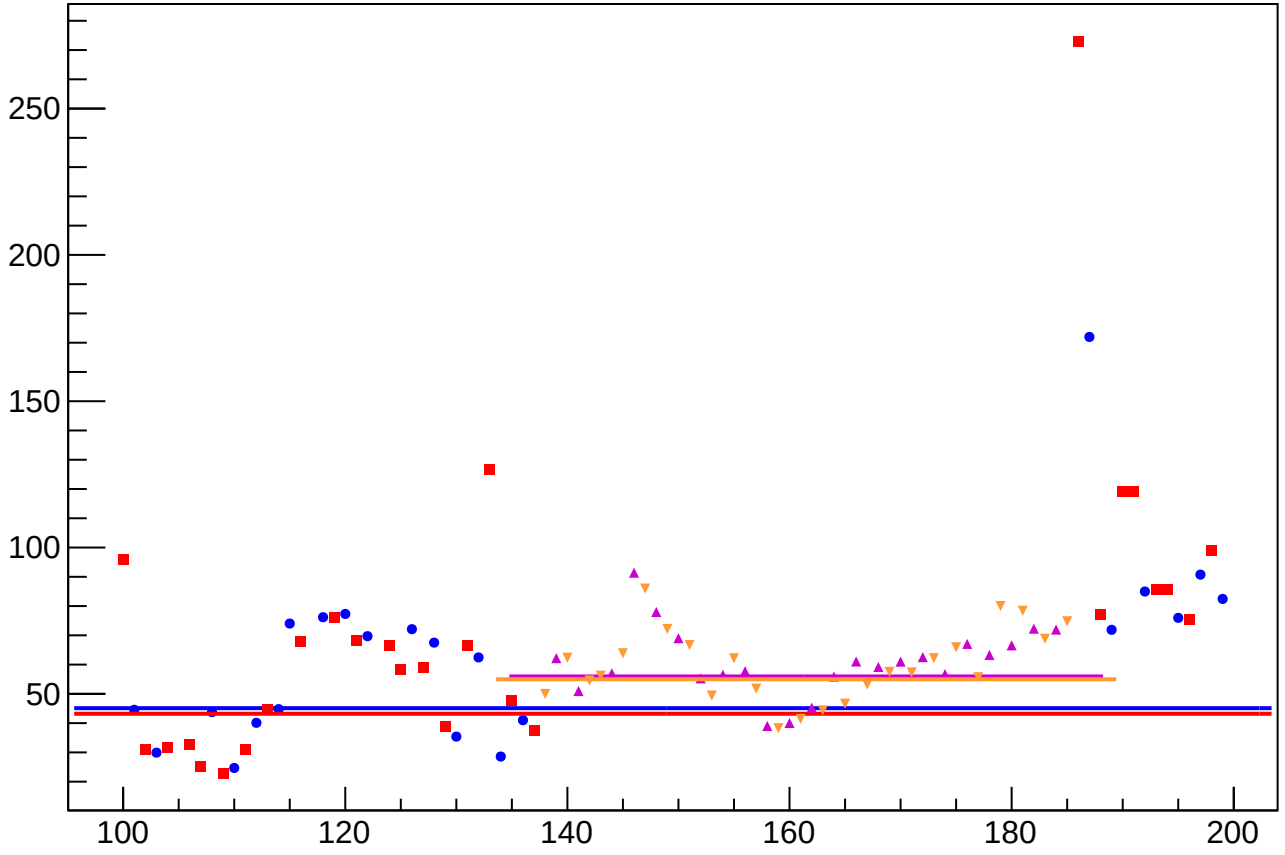
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.2/46

All: 0.013+/-0.007 χ^2/NDF: 119.8/96

- sign 0.011+/-0.010 χ^2/NDF: 52.6/49

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.111+/-0.011 χ^2/NDF: 3634720.5/21

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

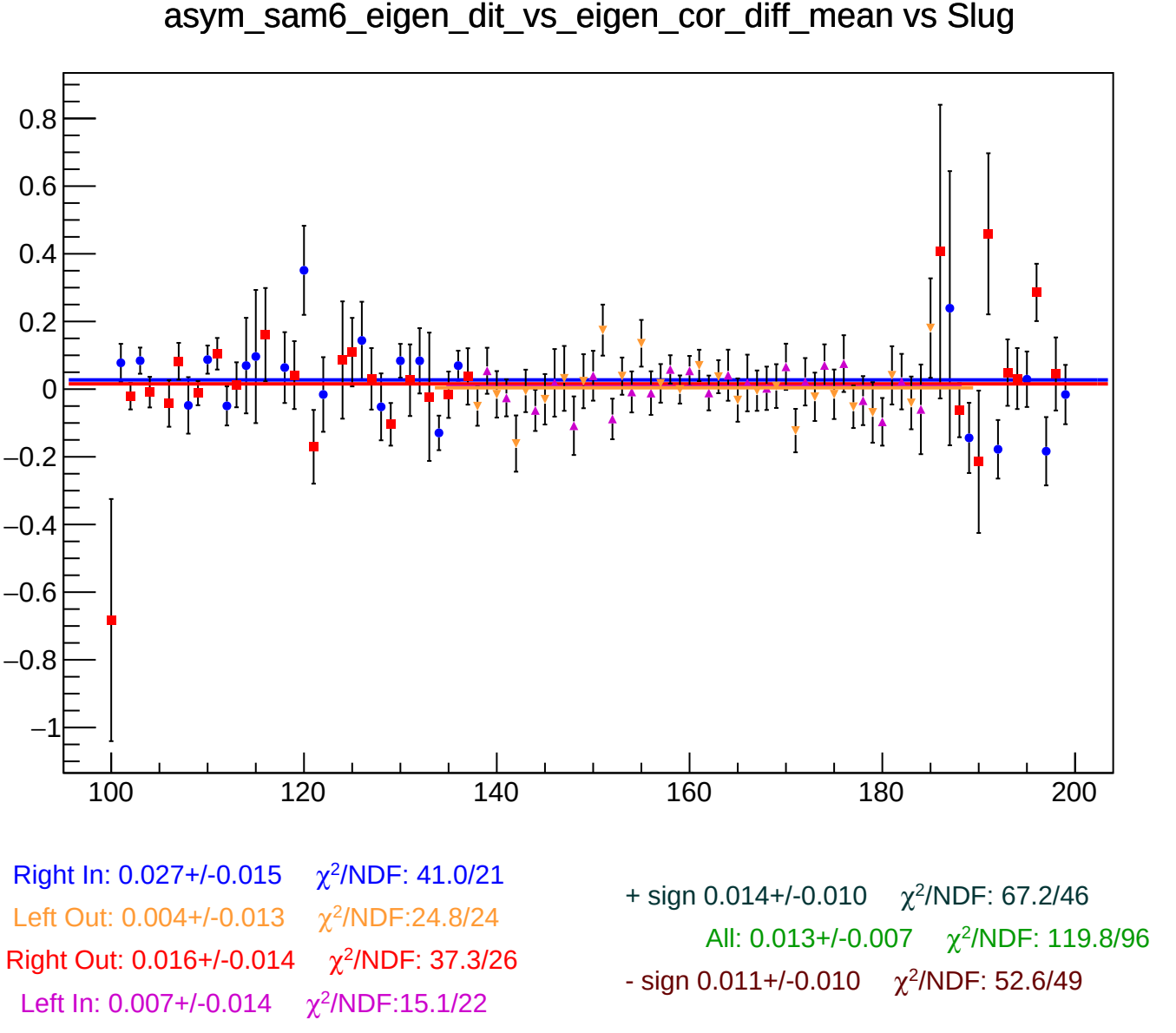
Right Out: 43.205+/-0.010 χ^2/NDF: 5491870.5/26

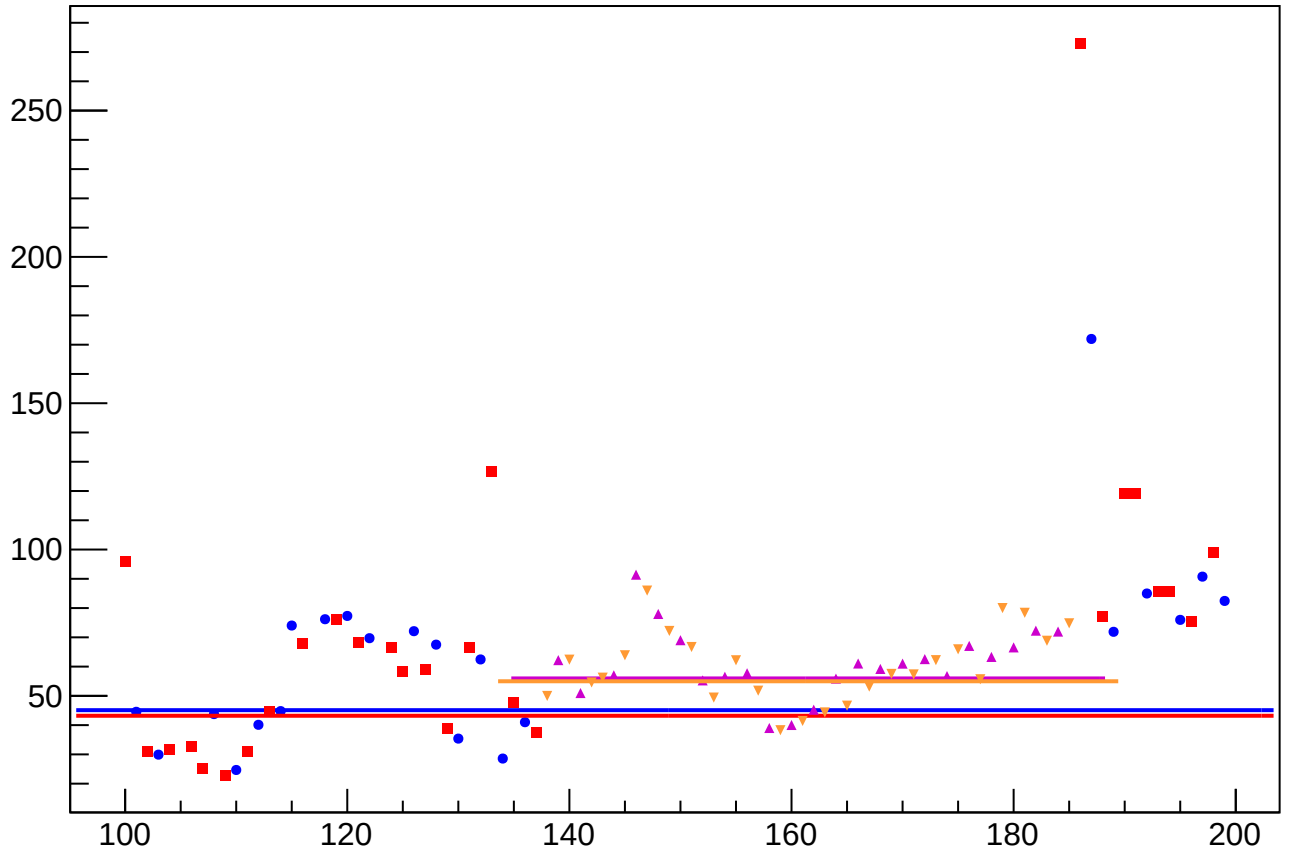
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 50.734+/-0.007 χ^2/NDF: 5701977.9/46

All: 50.289+/-0.005 χ^2/NDF: 13460916.8/96

- 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: 0.027+/-0.015 χ²/NDF: 41.0/21
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: 67.2/46
All: 0.013+/-0.007 χ²/NDF: 119.8/96
- sign 0.011+/-0.010 χ²/NDF: 52.6/49



Right In: 45.111+/-0.011 χ^2/NDF: 3634720.5/21

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491870.5/26

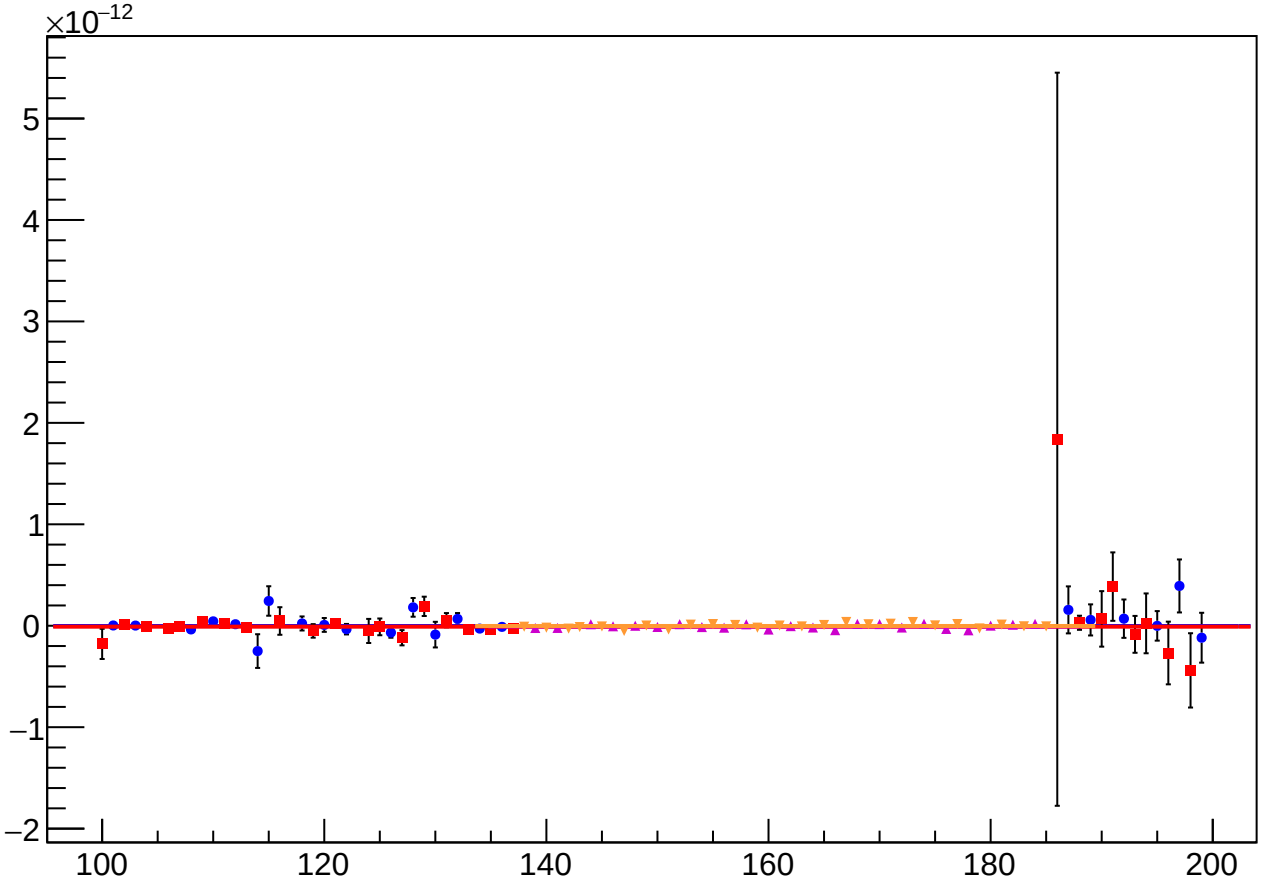
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

\+ sign 50.734+/-0.007 χ^2/NDF: 5701977.9/46

All: 50.289+/-0.005 χ^2/NDF: 13460916.8/96

\- 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: 19.9/21

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

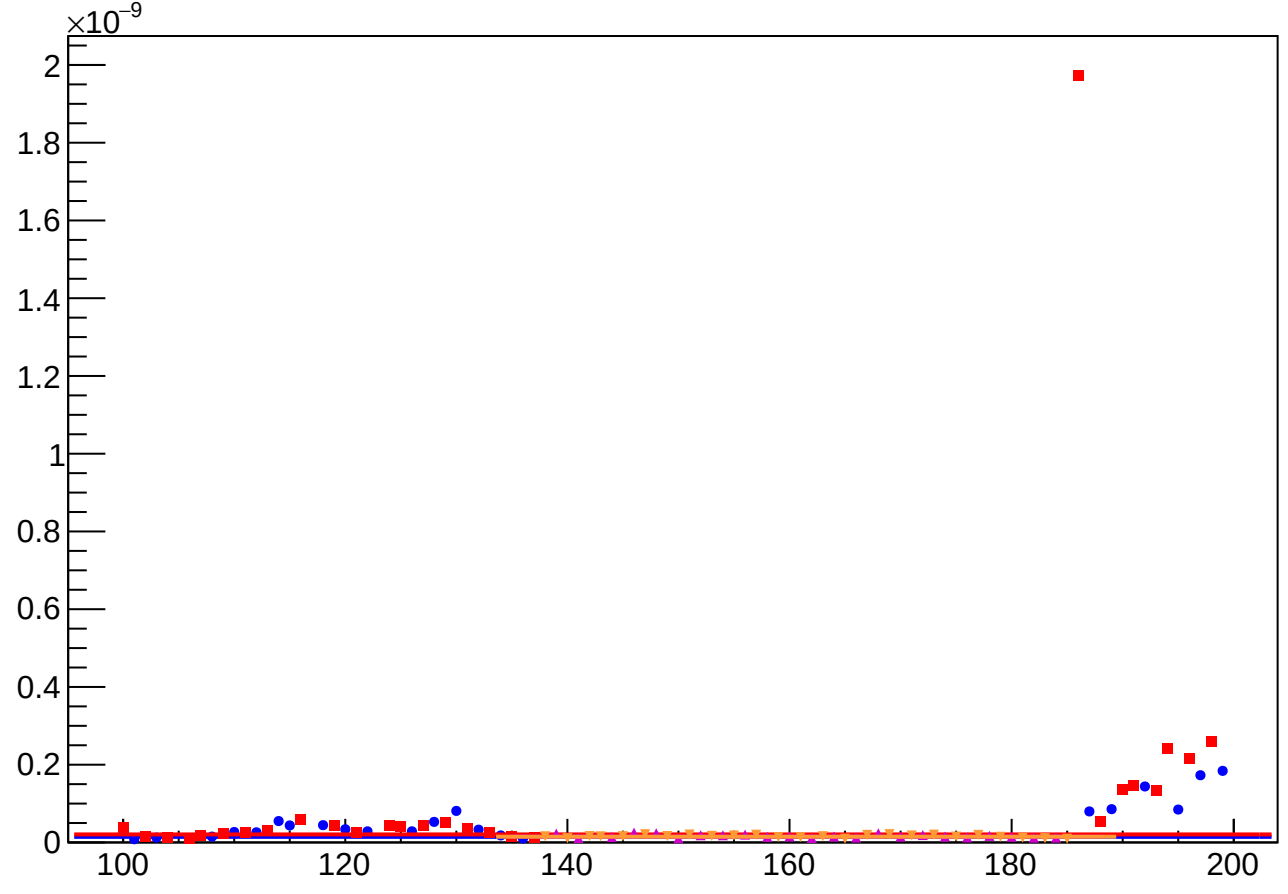
Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/26

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/46

All: -0.000+/-0.000 χ^2/NDF: 82.0/96

- sign -0.000+/-0.000 χ^2/NDF: 42.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 6900121.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7356574.7/26

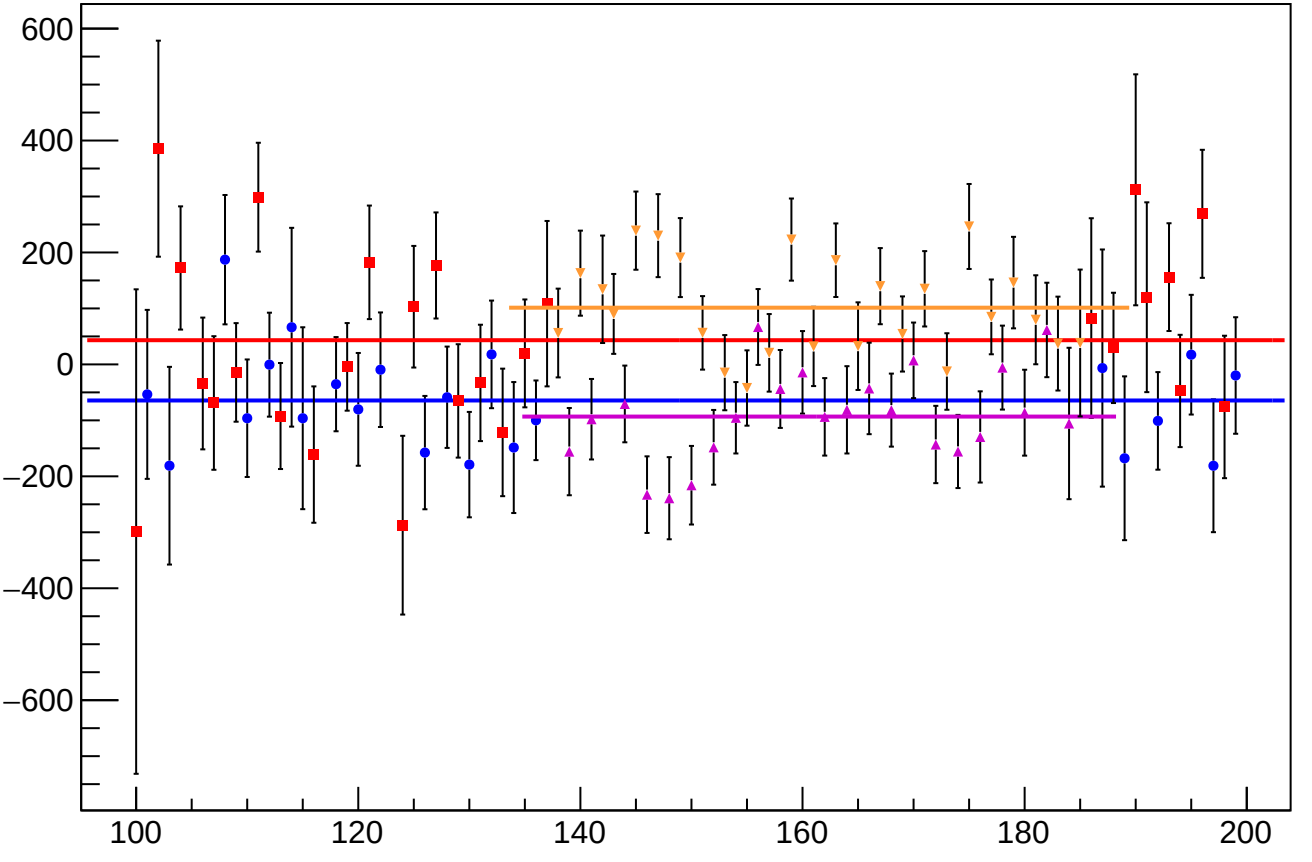
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8305588.9/46

All: 0.000+/-0.000 χ^2/NDF: 17867031.4/96

- sign 0.000+/-0.000 χ^2/NDF: 9442324.3/49

reg_asym_sam7_mean vs Slug



Right In: -64.474+/-22.795 χ^2/NDF: 13.1/21

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 43.227+/-21.695 χ^2/NDF: 40.4/26

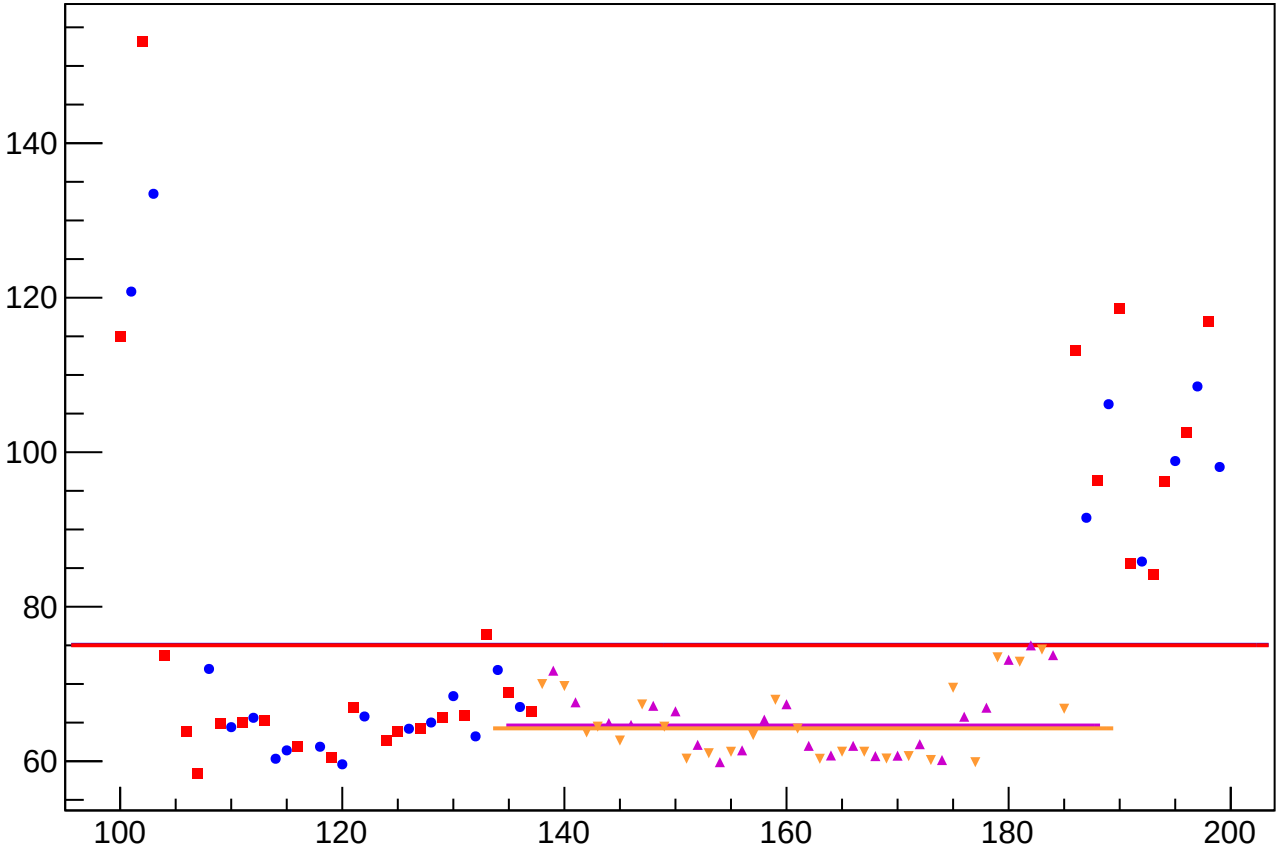
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 52.901+/-12.319 χ^2/NDF: 84.4/46

All: 2.559+/-8.744 χ^2/NDF: 213.9/96

- sign -48.556+/-12.414 χ^2/NDF: 95.9/49

reg_asym_sam7_rms vs Slug



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.0/21

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 75.015+/-0.015 χ^2/NDF: 1404482.9/26

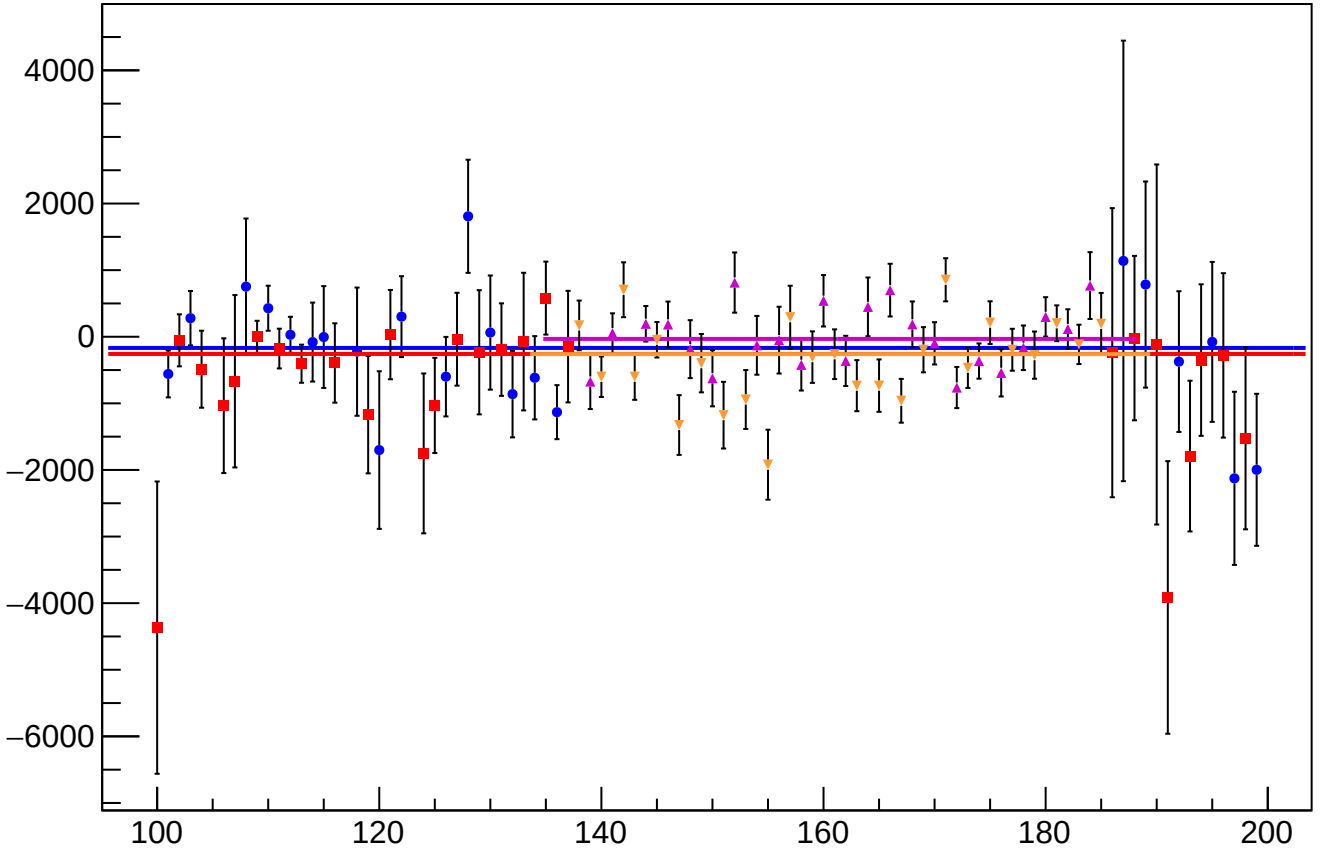
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 67.413+/-0.009 χ^2/NDF: 1685500.9/46

All: 67.716+/-0.006 χ^2/NDF: 3548355.4/96

- sign 68.024+/-0.009 χ^2/NDF: 1860416.0/49

asym_sam7_reg_correction_mean vs Slug



Right In: -167.956+/-122.588 χ^2/NDF: 28.0/21

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -258.169+/-114.652 χ^2/NDF: 18.6/26

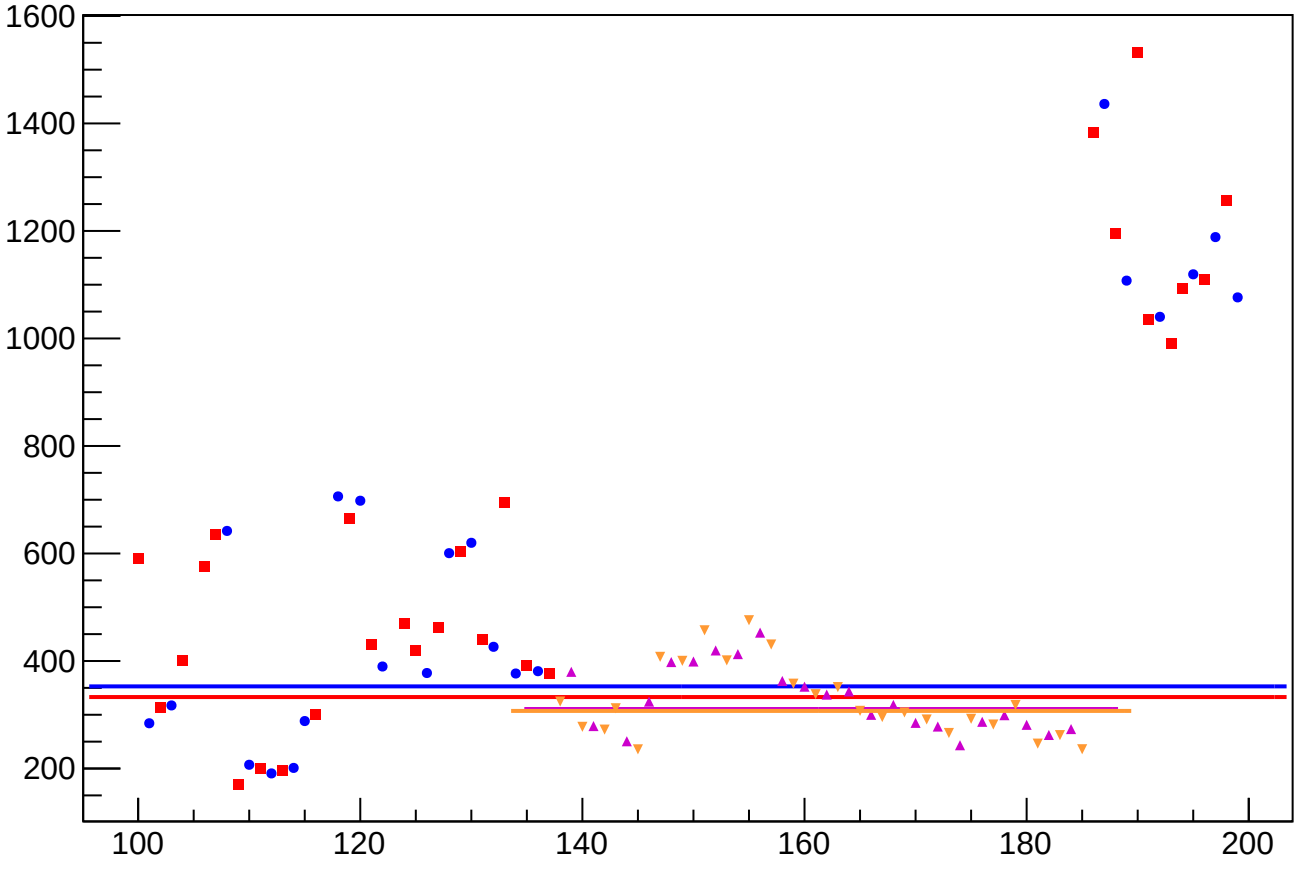
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -237.589+/-61.613 χ^2/NDF: 87.2/46

All: -168.618+/-43.730 χ^2/NDF: 142.8/96

- sign -98.603+/-62.078 χ^2/NDF: 53.0/49

asym_sam7_reg_correction_rms vs Slug



Right In: 352.792+/-0.087 χ^2/NDF: 6323429.3/21

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 332.953+/-0.081 χ^2/NDF: 8350175.2/26

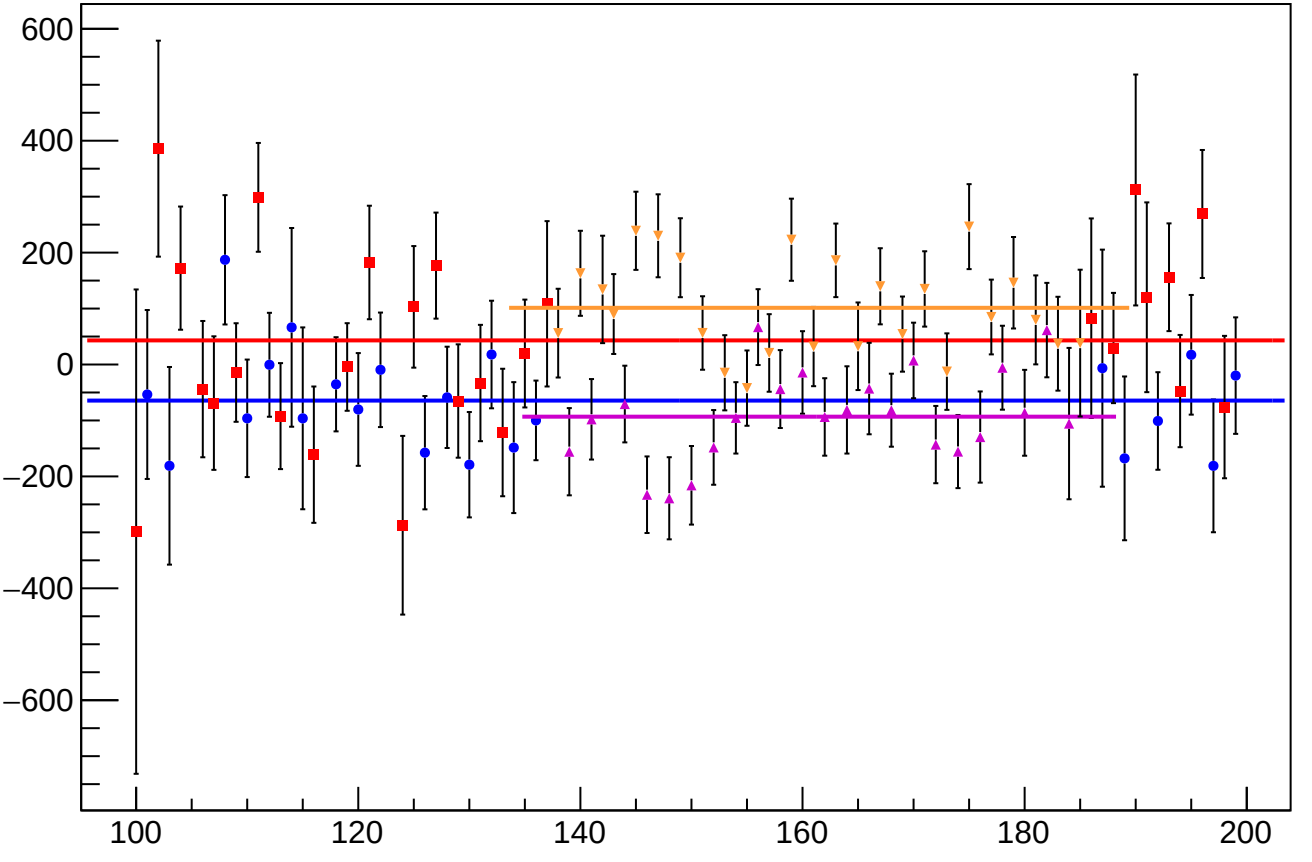
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 318.674+/-0.044 χ^2/NDF: 7850856.3/46

All: 317.954+/-0.031 χ^2/NDF: 17334327.5/96

- sign 317.222+/-0.044 χ^2/NDF: 9482919.7/49

cor_asym_sam7_mean vs Slug



Right In: -64.475+/-22.795 χ^2/NDF: 13.1/21

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 43.086+/-21.719 χ^2/NDF: 40.5/26

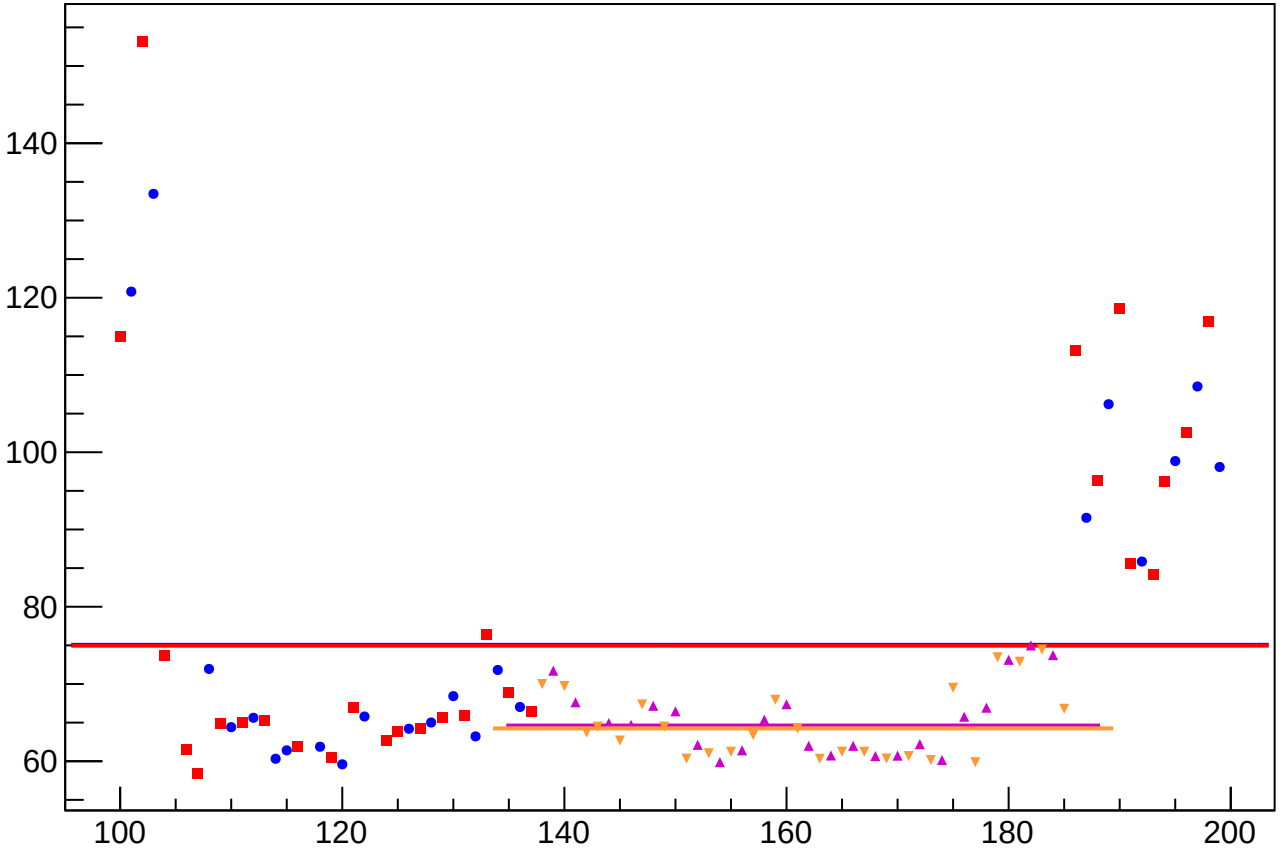
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 52.900+/-12.319 χ^2/NDF: 84.4/46

All: 2.522+/-8.746 χ^2/NDF: 214.0/96

- sign -48.668+/-12.418 χ^2/NDF: 95.9/49

cor_asym_sam7_rms vs Slug



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.4/21

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 74.964+/-0.015 χ^2/NDF: 1411145.6/26

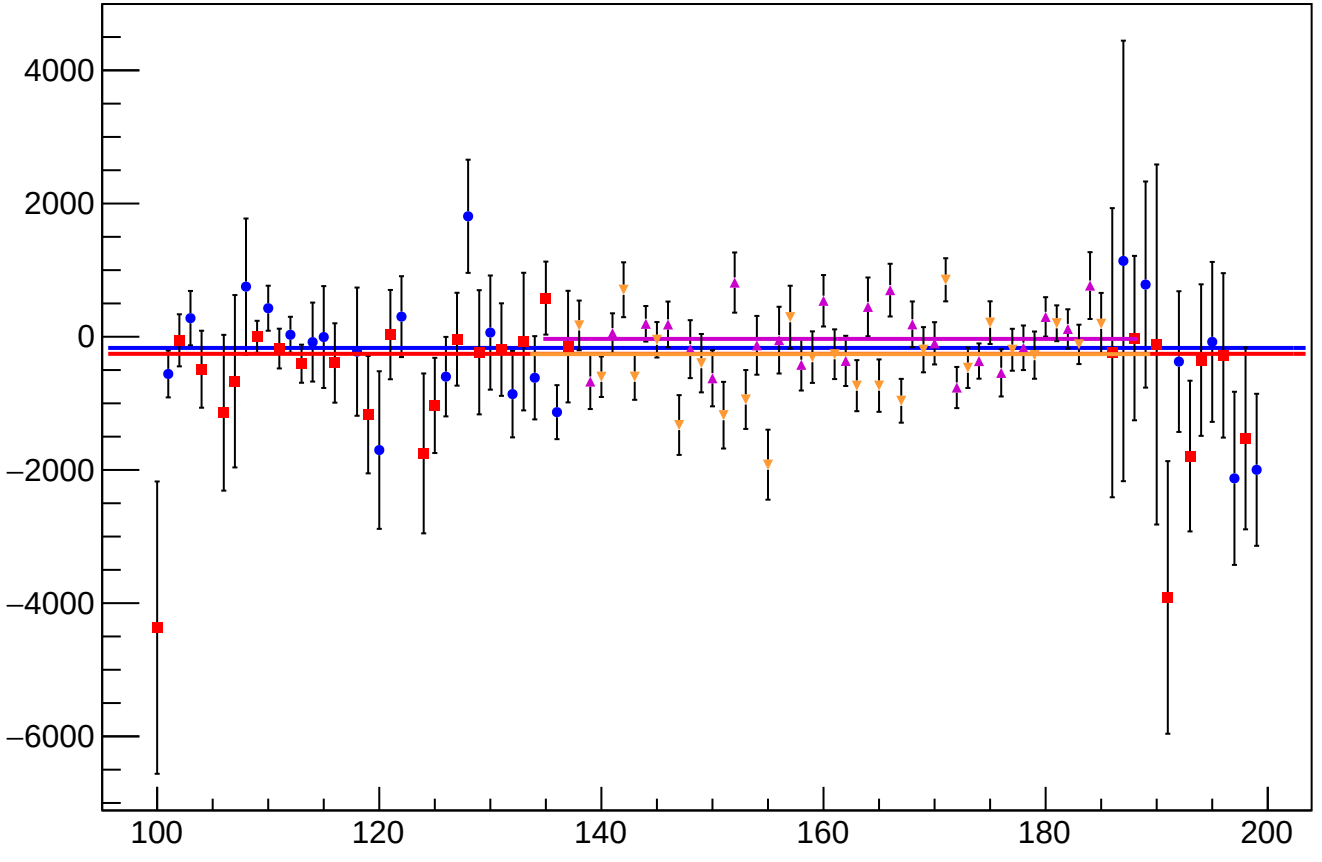
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 67.413+/-0.009 χ^2/NDF: 1685501.2/46

All: 67.706+/-0.006 χ^2/NDF: 3551411.4/96

- sign 68.003+/-0.009 χ^2/NDF: 1863641.5/49

asym_sam7_cor_correction_mean vs Slug



Right In: -167.954+/-122.589 χ^2/NDF: 28.0/21

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -256.672+/-114.843 χ^2/NDF: 18.6/26

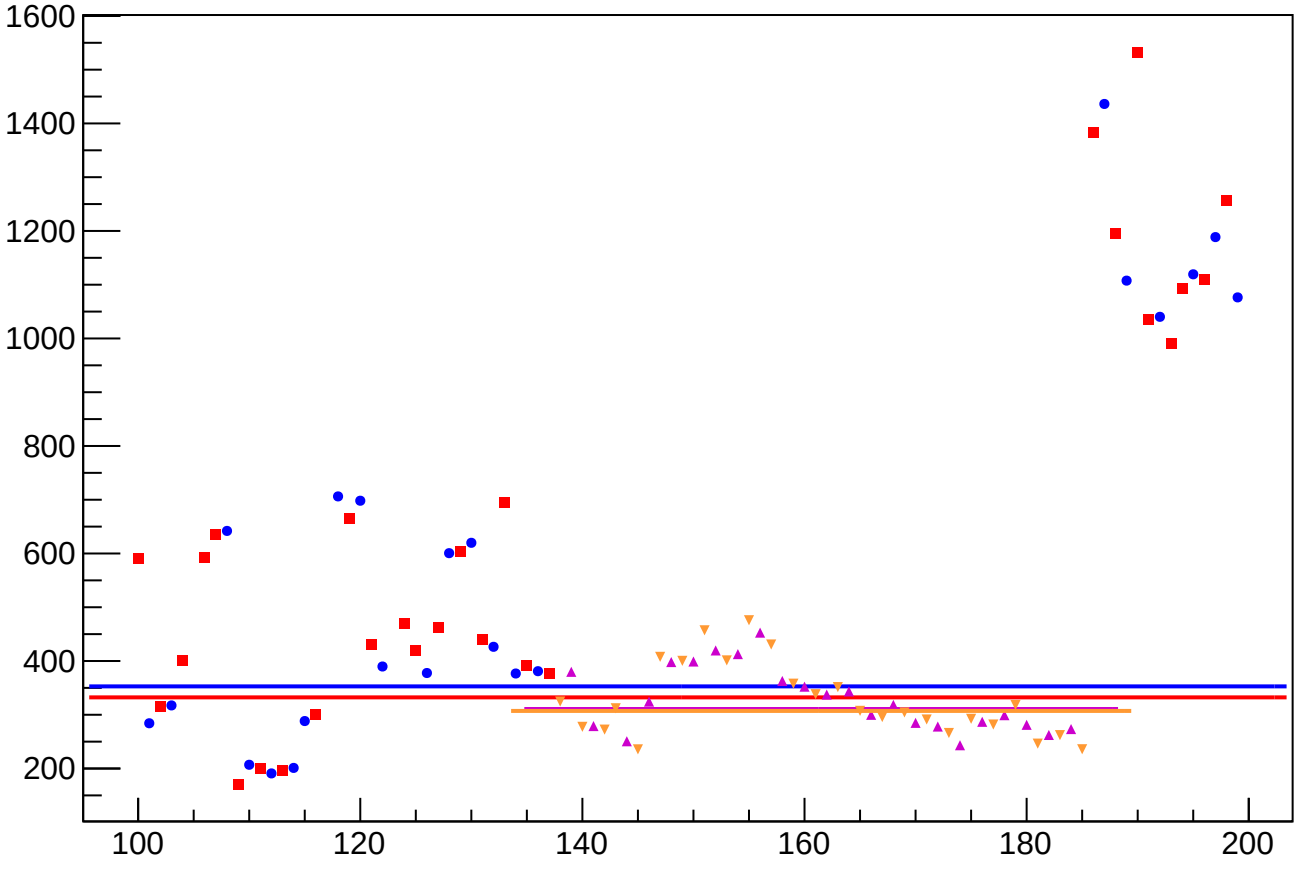
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -237.589+/-61.613 χ^2/NDF: 87.2/46

All: -168.357+/-43.741 χ^2/NDF: 142.7/96

- sign -98.007+/-62.108 χ^2/NDF: 53.0/49

asym_sam7_cor_correction_rms vs Slug



Right In: 352.795+/-0.087 χ^2/NDF: 6323408.1/21

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 332.352+/-0.081 χ^2/NDF: 8334253.2/26

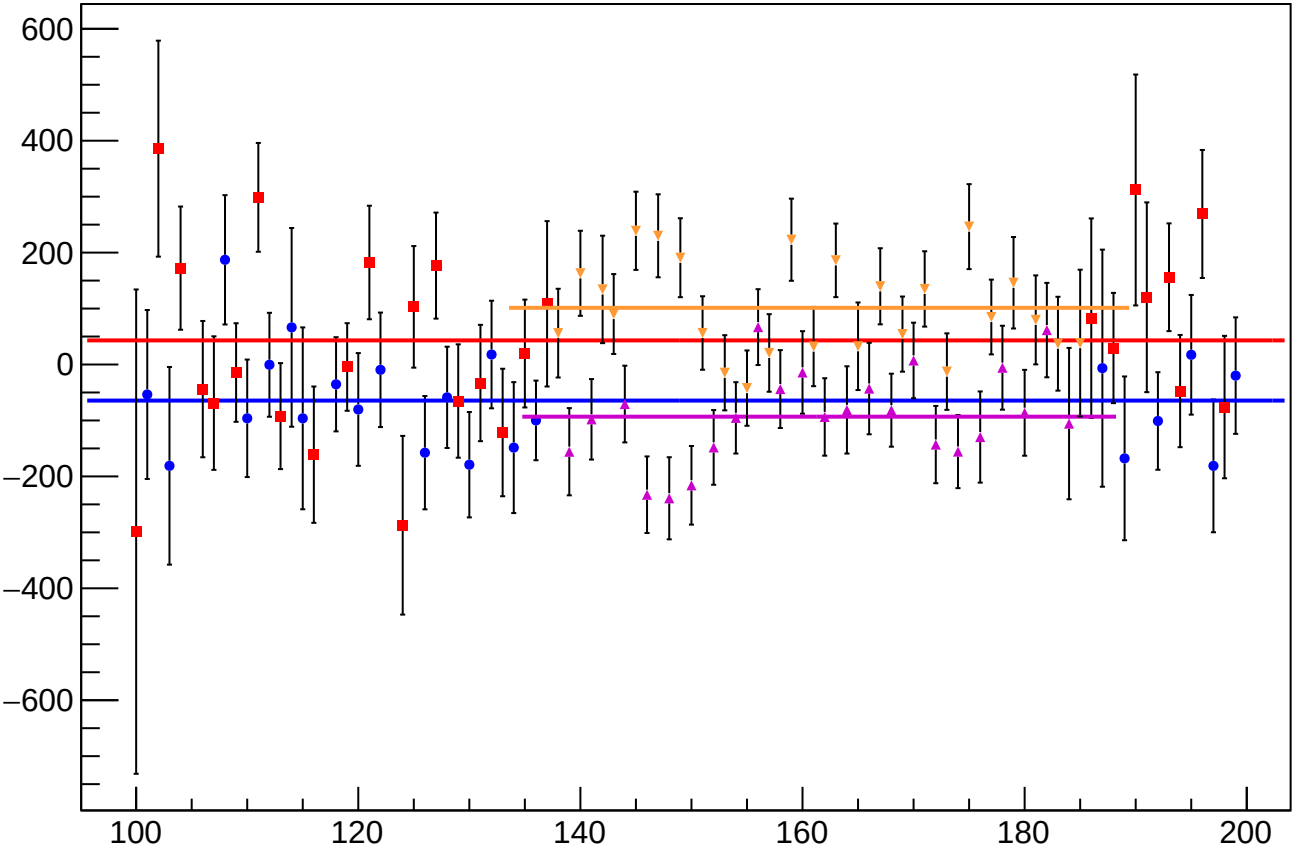
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 318.675+/-0.044 χ^2/NDF: 7850851.5/46

All: 317.860+/-0.031 χ^2/NDF: 17315601.9/96

- sign 317.031+/-0.044 χ^2/NDF: 9464044.2/49

eigen_cor_asym_sam7_mean vs Slug



Right In: -64.475+/-22.795 χ^2/NDF: 13.1/21

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 43.086+/-21.719 χ^2/NDF: 40.5/26

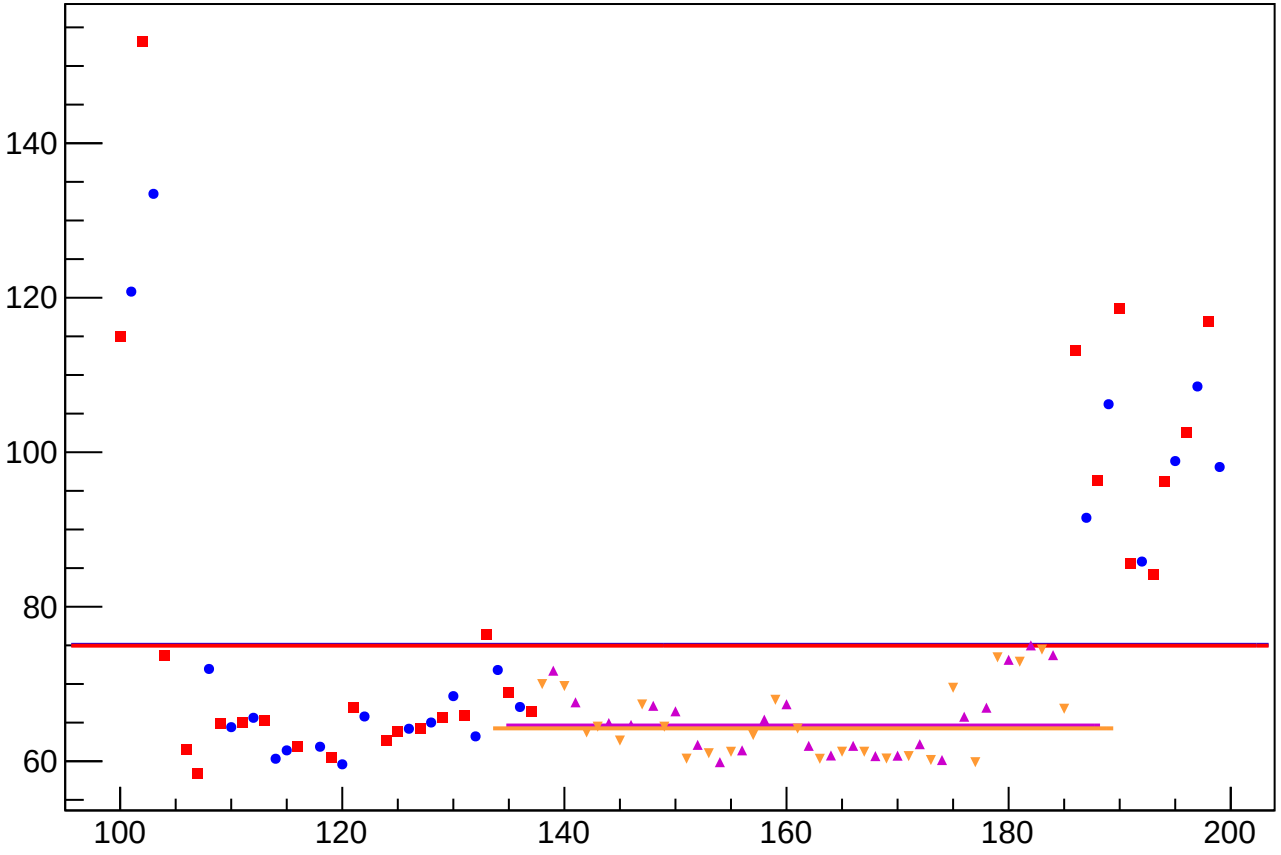
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 52.900+/-12.319 χ^2/NDF: 84.4/46

All: 2.522+/-8.746 χ^2/NDF: 214.0/96

- sign -48.668+/-12.418 χ^2/NDF: 95.9/49

eigen_cor_asym_sam7_rms vs Slug



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.4/21

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

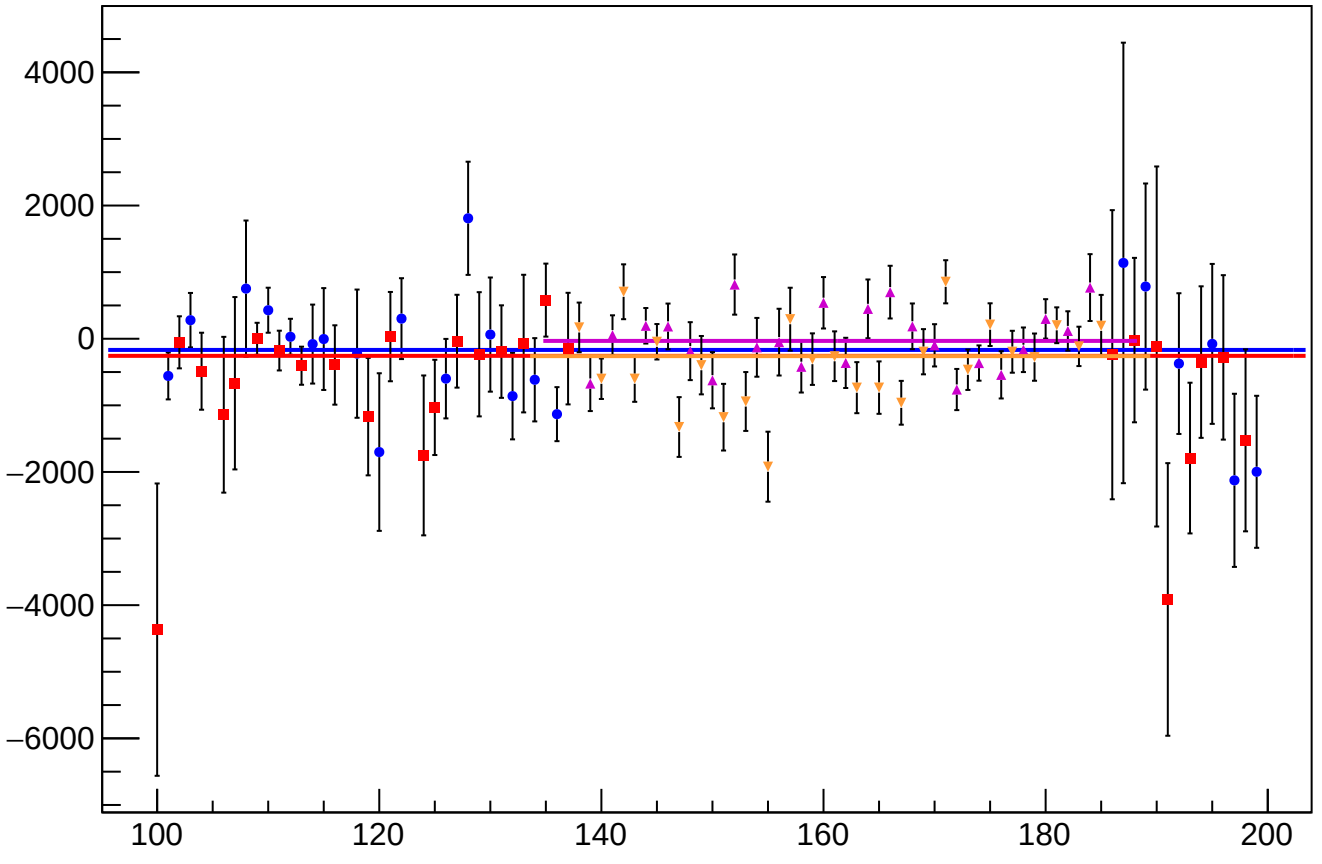
Right Out: 74.964+/-0.015 χ^2/NDF: 1411145.6/26

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 67.413+/-0.009 χ^2/NDF: 1685501.2/46

All: 67.706+/-0.006 χ^2/NDF: 3551411.4/96

- sign 68.003+/-0.009 χ^2/NDF: 1863641.5/49



Right In: -167.954+/-122.589 χ^2/NDF: 28.0/21

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -256.672+/-114.843 χ^2/NDF: 18.6/26

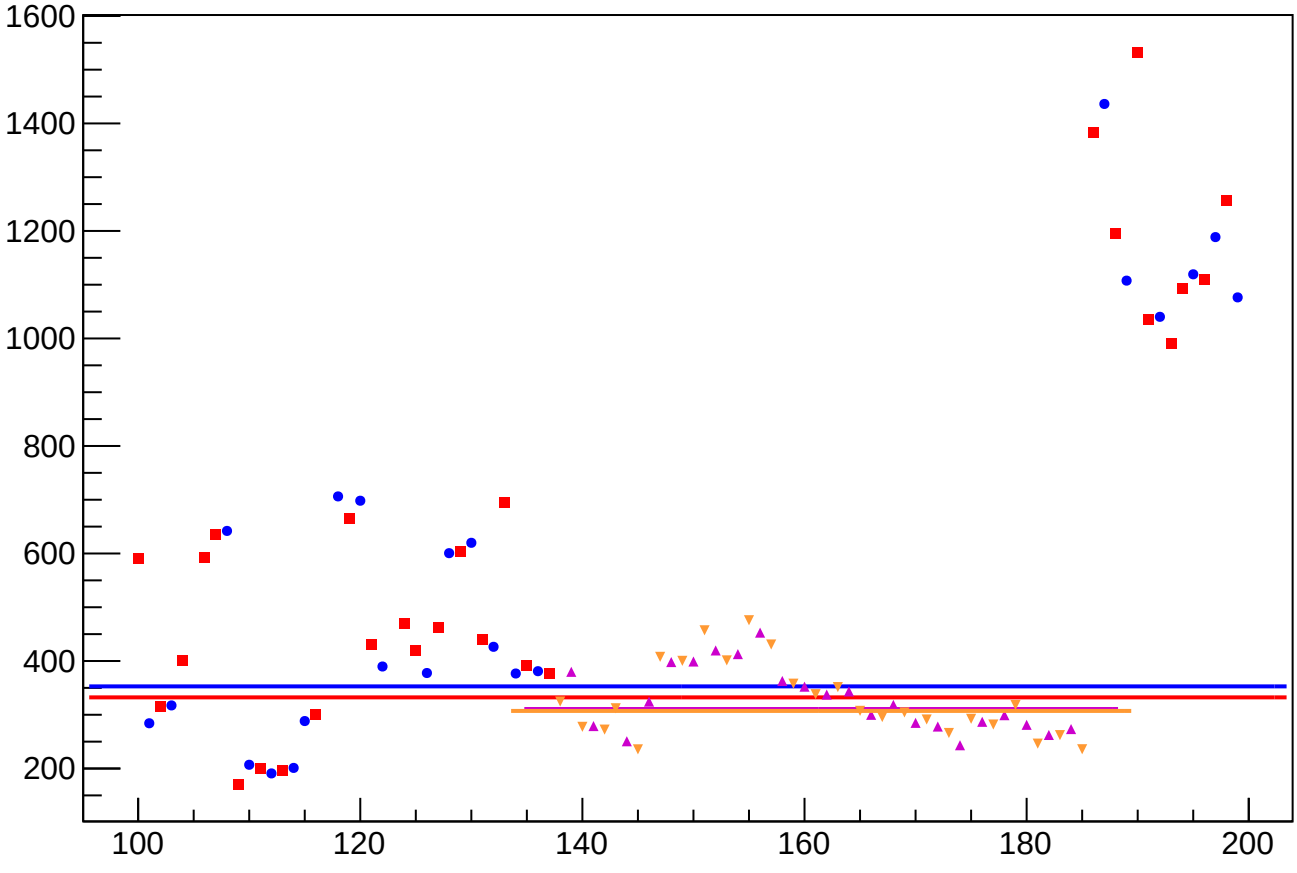
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -237.589+/-61.613 χ^2/NDF: 87.2/46

All: -168.357+/-43.741 χ^2/NDF: 142.7/96

- sign -98.007+/-62.108 χ^2/NDF: 53.0/49

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 352.795+/-0.087 χ^2/NDF: 6323408.1/21

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

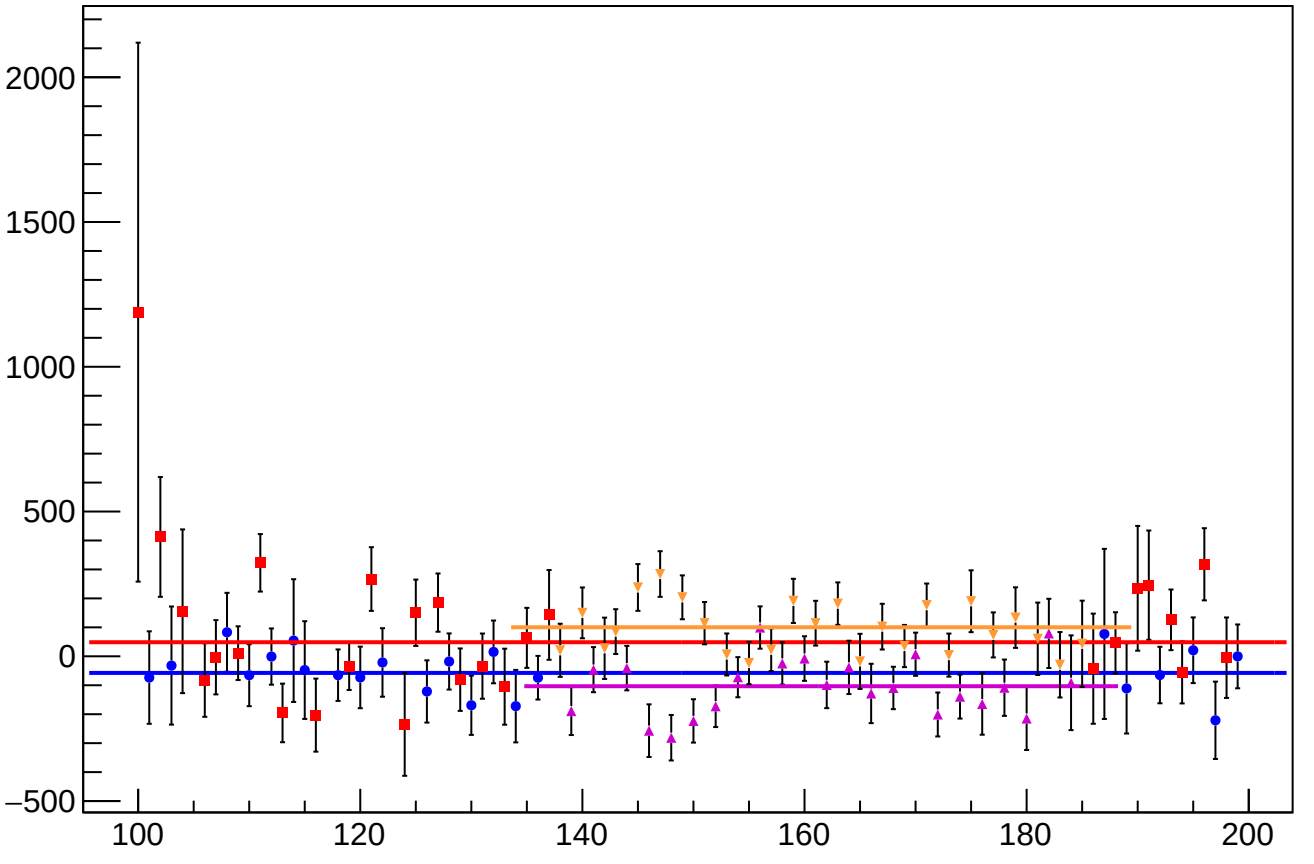
Right Out: 332.352+/-0.081 χ^2/NDF: 8334253.2/26

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 318.675+/-0.044 χ^2/NDF: 7850851.5/46

All: 317.860+/-0.031 χ^2/NDF: 17315601.9/96

- sign 317.031+/-0.044 χ^2/NDF: 9464044.2/49



Right In: -57.384+/-24.682 χ^2/NDF: 7.5/21

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 48.579+/-23.617 χ^2/NDF: 45.8/26

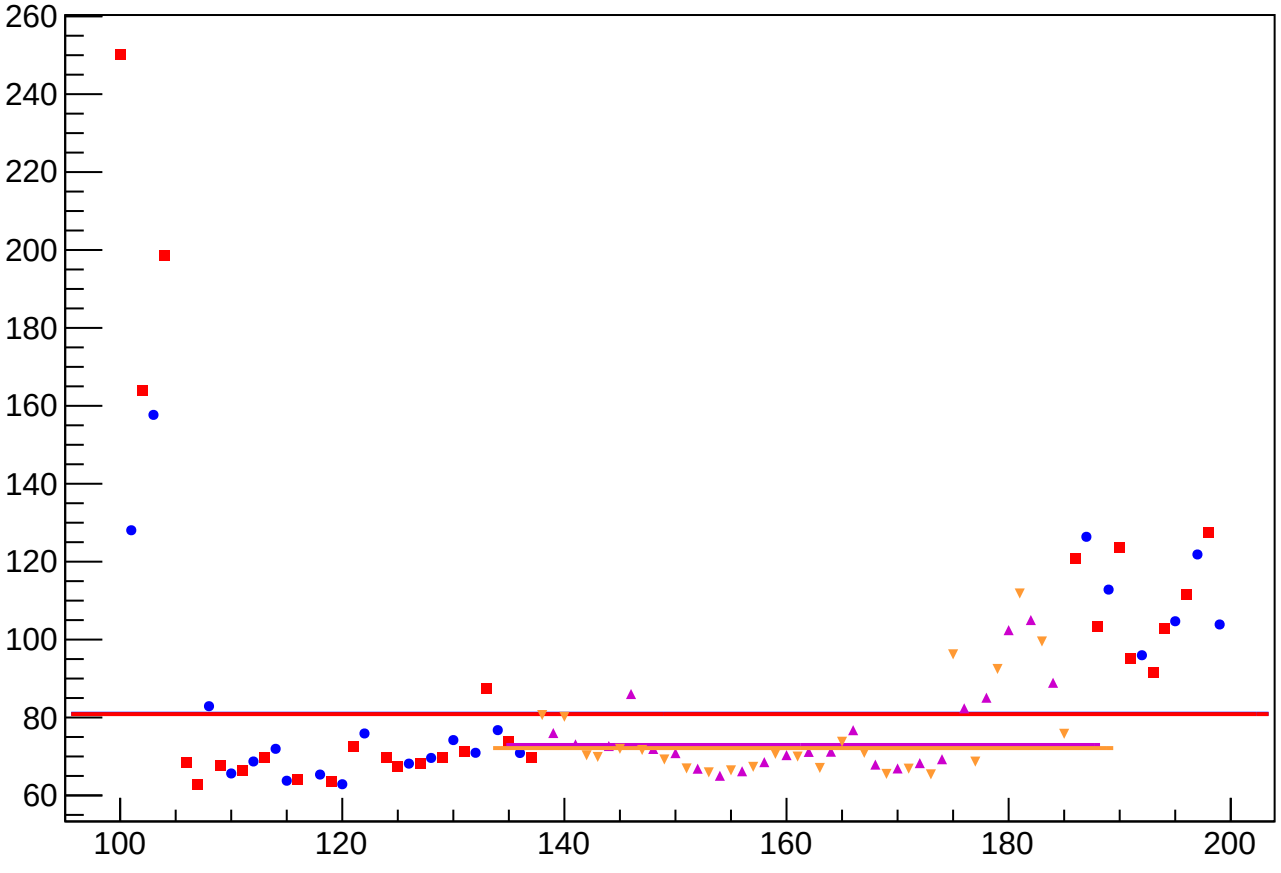
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 51.070+/-13.789 χ^2/NDF: 63.2/46

All: 0.841+/-9.802 χ^2/NDF: 195.5/96

- sign -50.460+/-13.935 χ^2/NDF: 105.5/49

dit_asym_sam7_rms vs Slug



Right In: 80.965+/-0.017 χ^2/NDF: 1337639.9/21

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 80.871+/-0.017 χ^2/NDF: 1885910.5/26

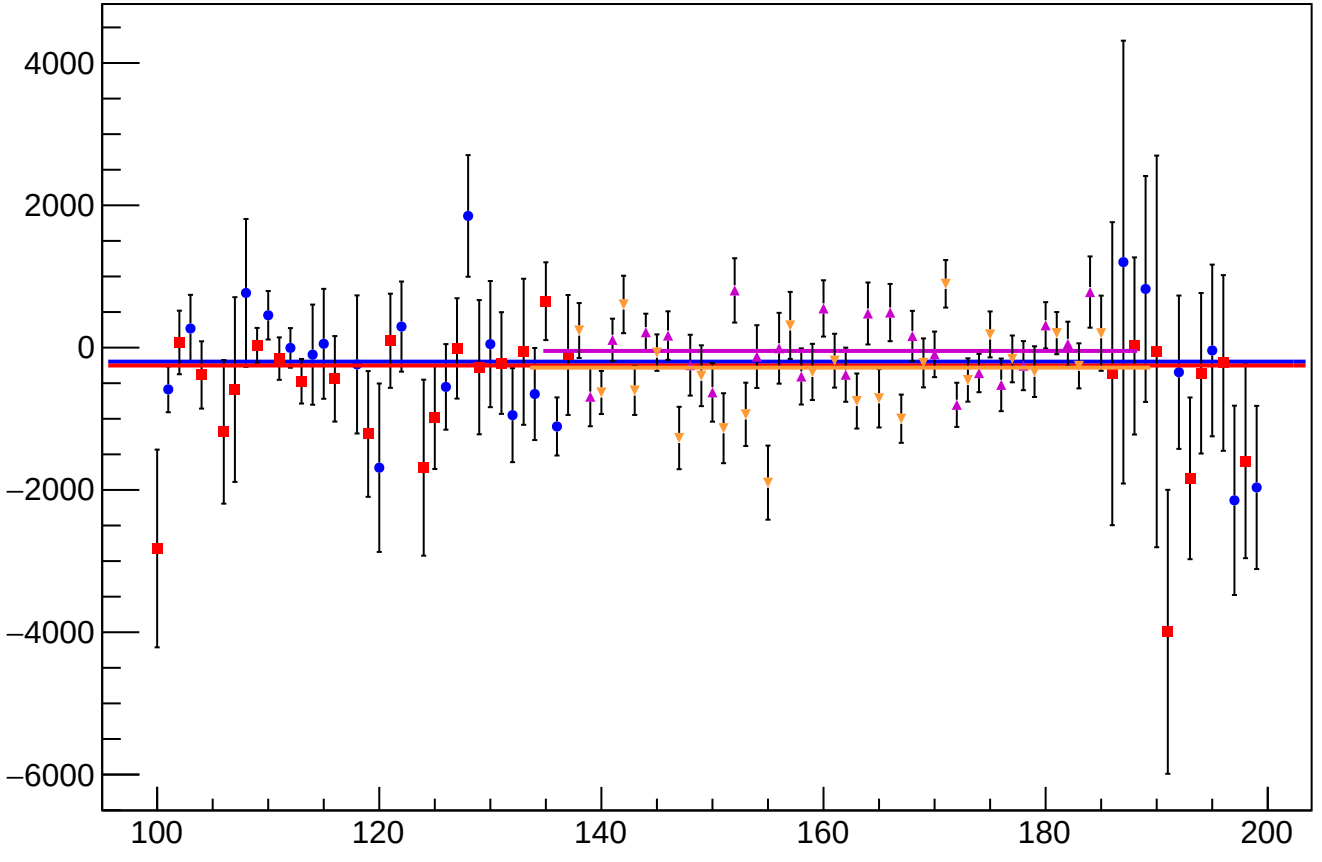
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 74.901+/-0.010 χ^2/NDF: 2155111.0/46

All: 75.300+/-0.007 χ^2/NDF: 4700136.6/96

- sign 75.707+/-0.010 χ^2/NDF: 2541647.5/49

asym_sam7_dit_correction_mean vs Slug



Right In: -197.106+/-125.006 χ^2/NDF: 27.9/21

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -251.407+/-116.795 χ^2/NDF: 20.2/26

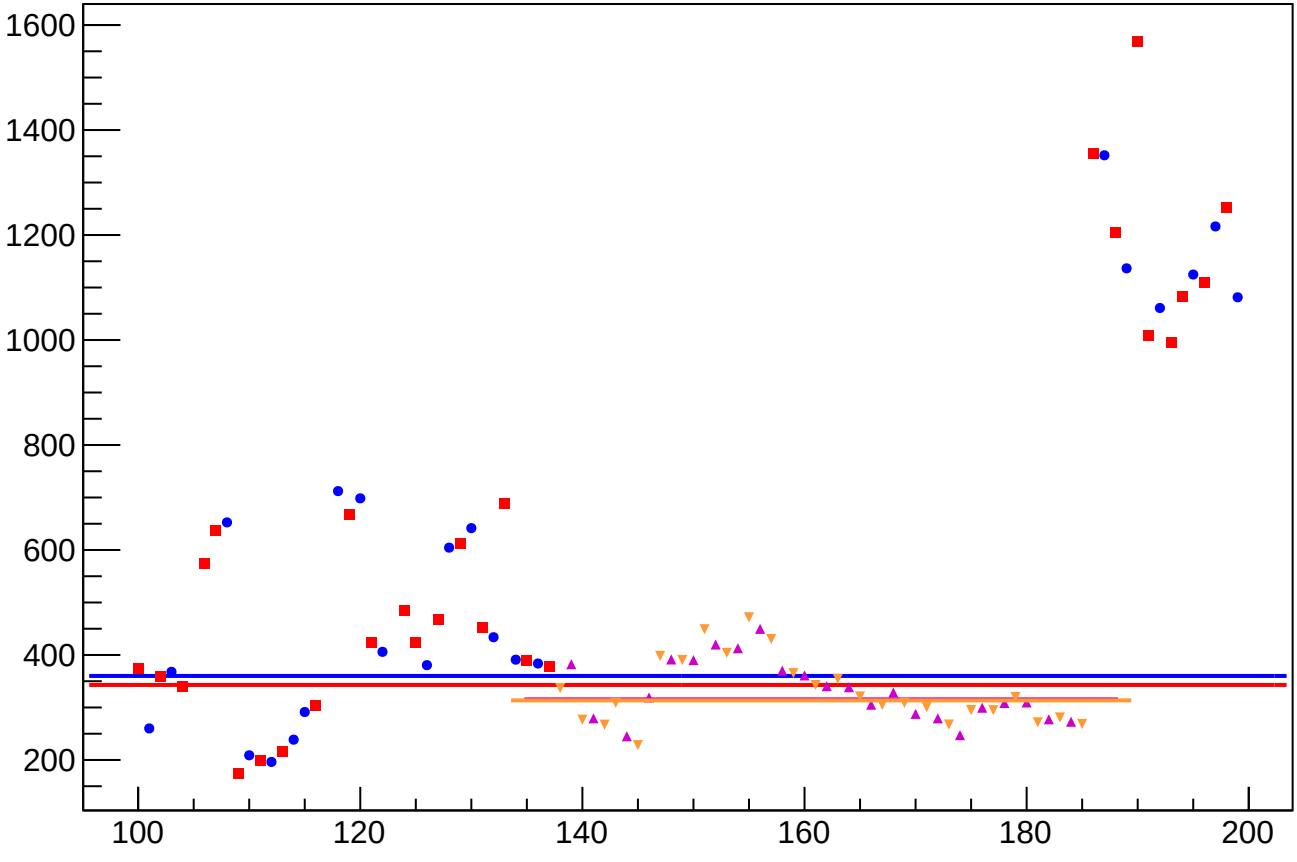
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -260.020+/-62.740 χ^2/NDF: 85.0/46

All: -183.515+/-44.472 χ^2/NDF: 141.2/96

- sign -106.258+/-63.047 χ^2/NDF: 53.2/49

asym_sam7_dit_correction_rms vs Slug



Right In: 360.088+/-0.088 χ^2/NDF: 6305330.4/21

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 342.898+/-0.083 χ^2/NDF: 8048373.4/26

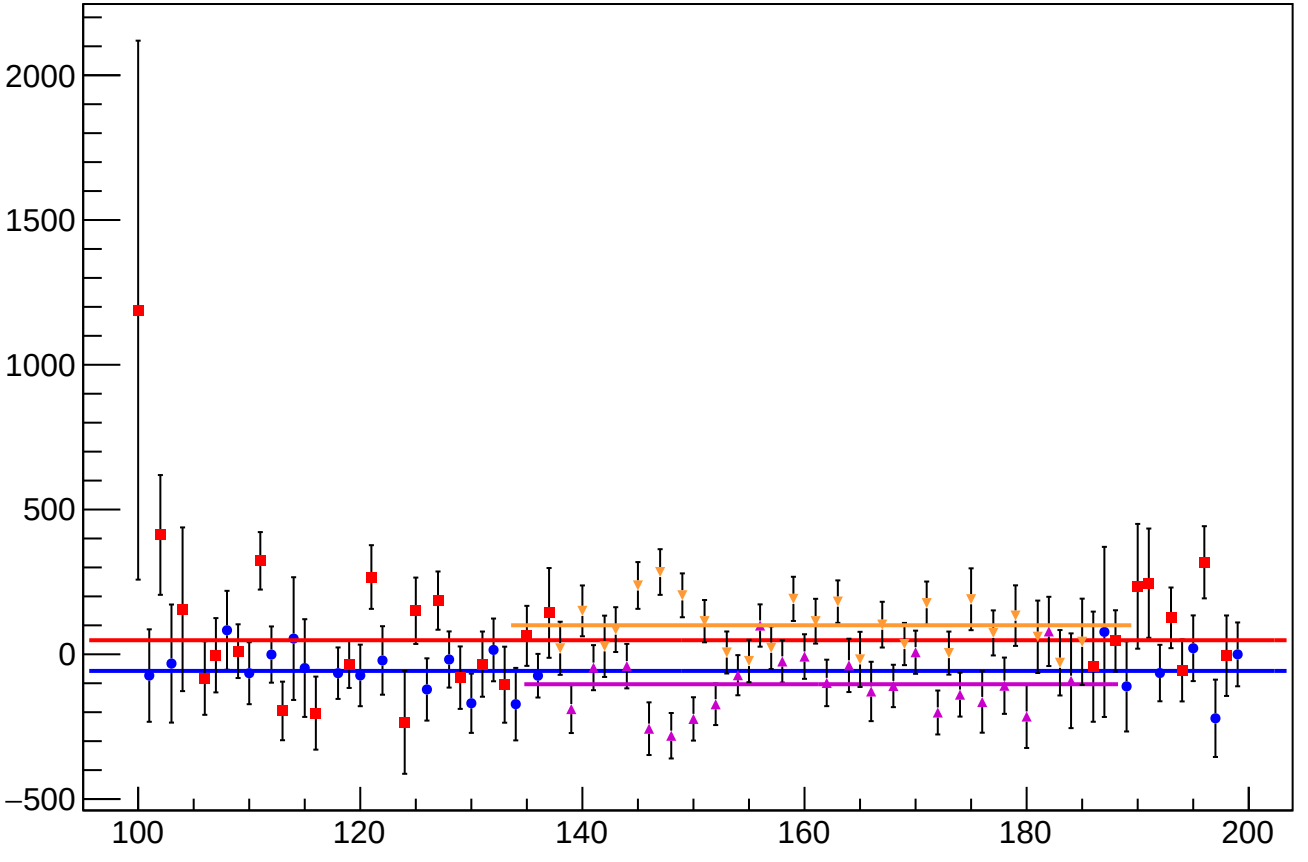
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

\+ sign 325.236+/-0.044 χ^2/NDF: 7688670.7/46

All: 324.348+/-0.031 χ^2/NDF: 16824613.0/96

\- sign 323.452+/-0.045 χ^2/NDF: 9135138.2/49

eigen_dit_asym_sam7_mean vs Slug



Right In: -57.384+/-24.682 χ^2/NDF: 7.5/21

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 48.580+/-23.617 χ^2/NDF: 45.8/26

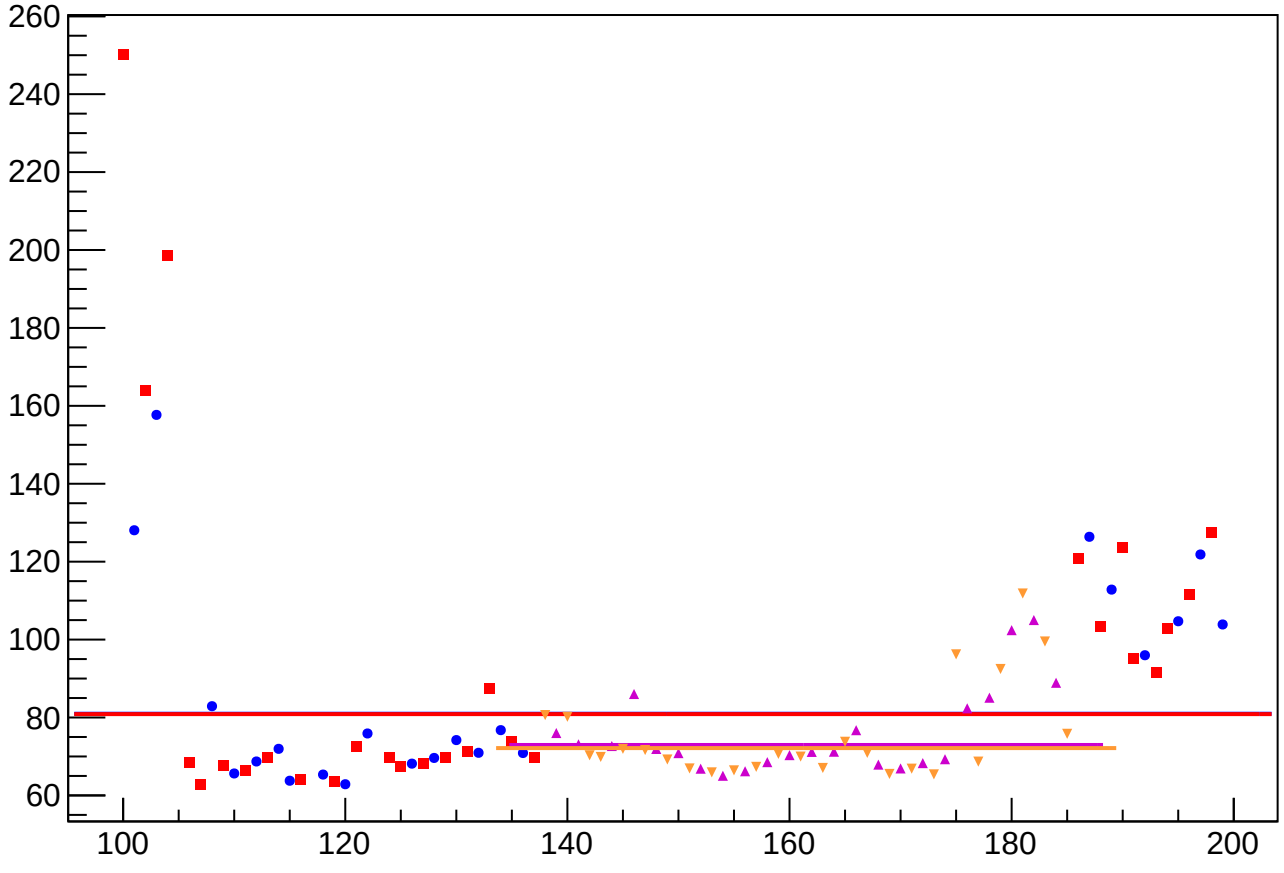
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 51.070+/-13.789 χ^2/NDF: 63.2/46

All: 0.842+/-9.802 χ^2/NDF: 195.5/96

- sign -50.460+/-13.935 χ^2/NDF: 105.5/49

eigen_dit_asym_sam7_rms vs Slug



Right In: 80.965+/-0.017 χ^2/NDF: 1337646.7/21

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 80.871+/-0.017 χ^2/NDF: 1885908.4/26

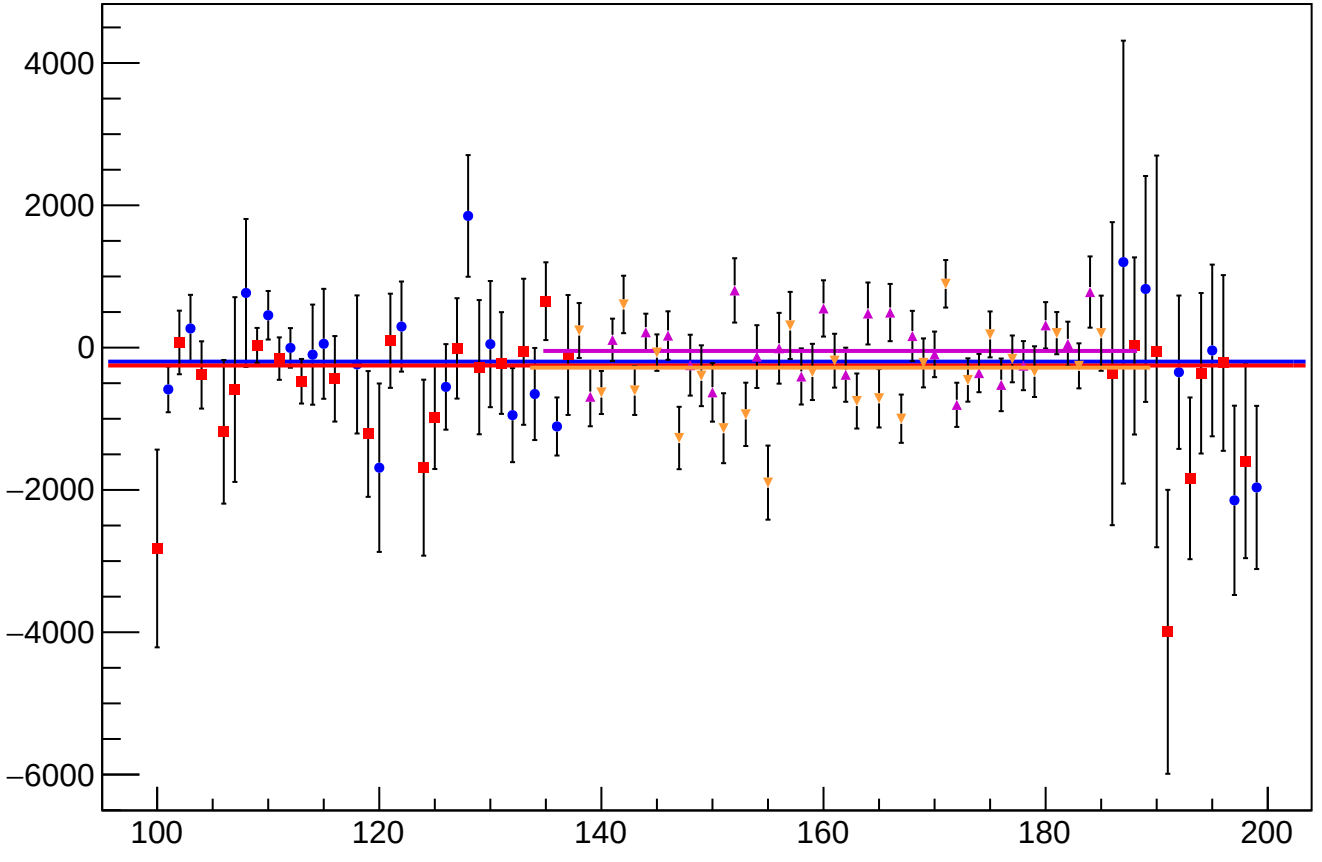
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 74.901+/-0.010 χ^2/NDF: 2155109.8/46

All: 75.300+/-0.007 χ^2/NDF: 4700128.6/96

- sign 75.707+/-0.010 χ^2/NDF: 2541640.6/49

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -197.104+/-125.005 χ^2/NDF: 27.9/21

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -251.405+/-116.794 χ^2/NDF: 20.2/26

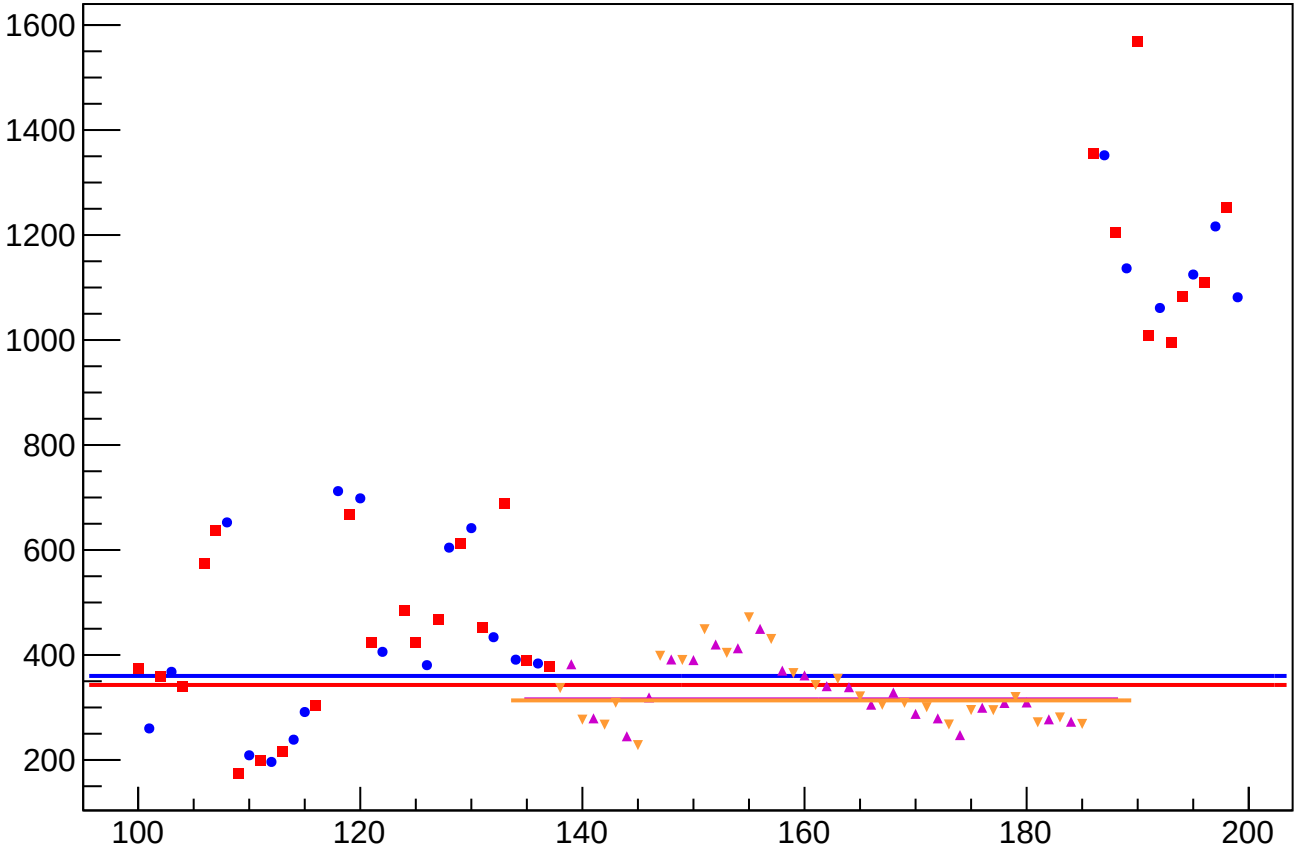
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -260.020+/-62.740 χ^2/NDF: 85.0/46

All: -183.515+/-44.472 χ^2/NDF: 141.2/96

- sign -106.258+/-63.047 χ^2/NDF: 53.2/49

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 360.085+/-0.088 χ^2/NDF: 6305388.0/21

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 342.896+/-0.083 χ^2/NDF: 8048403.6/26

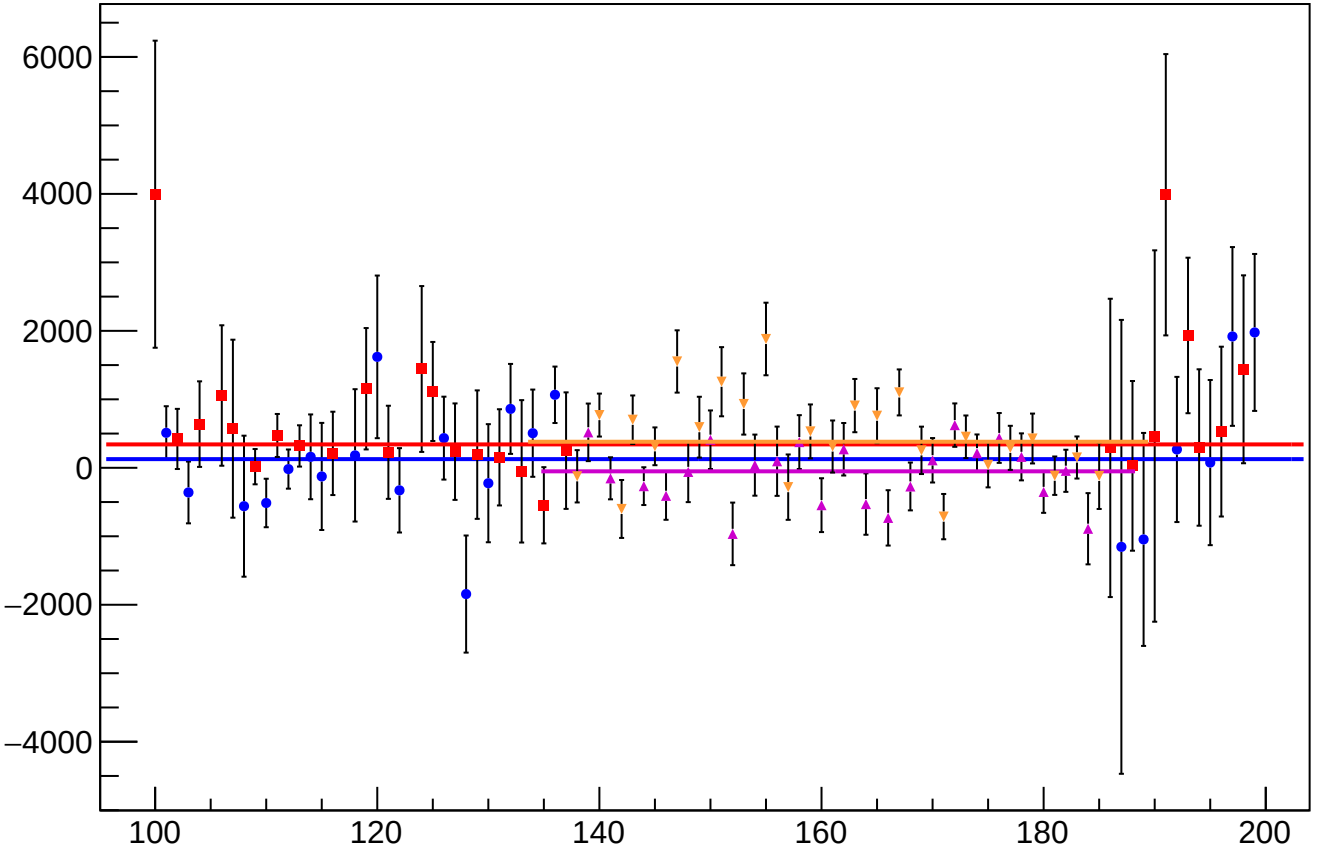
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 325.235+/-0.044 χ^2/NDF: 7688710.0/46

All: 324.348+/-0.031 χ^2/NDF: 16824669.9/96

- sign 323.452+/-0.045 χ^2/NDF: 9135156.0/49

asym_sam7_mean vs Slug



Right In: 126.729+/-128.157 χ^2/NDF: 26.1/21

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 341.723+/-120.314 χ^2/NDF: 16.8/26

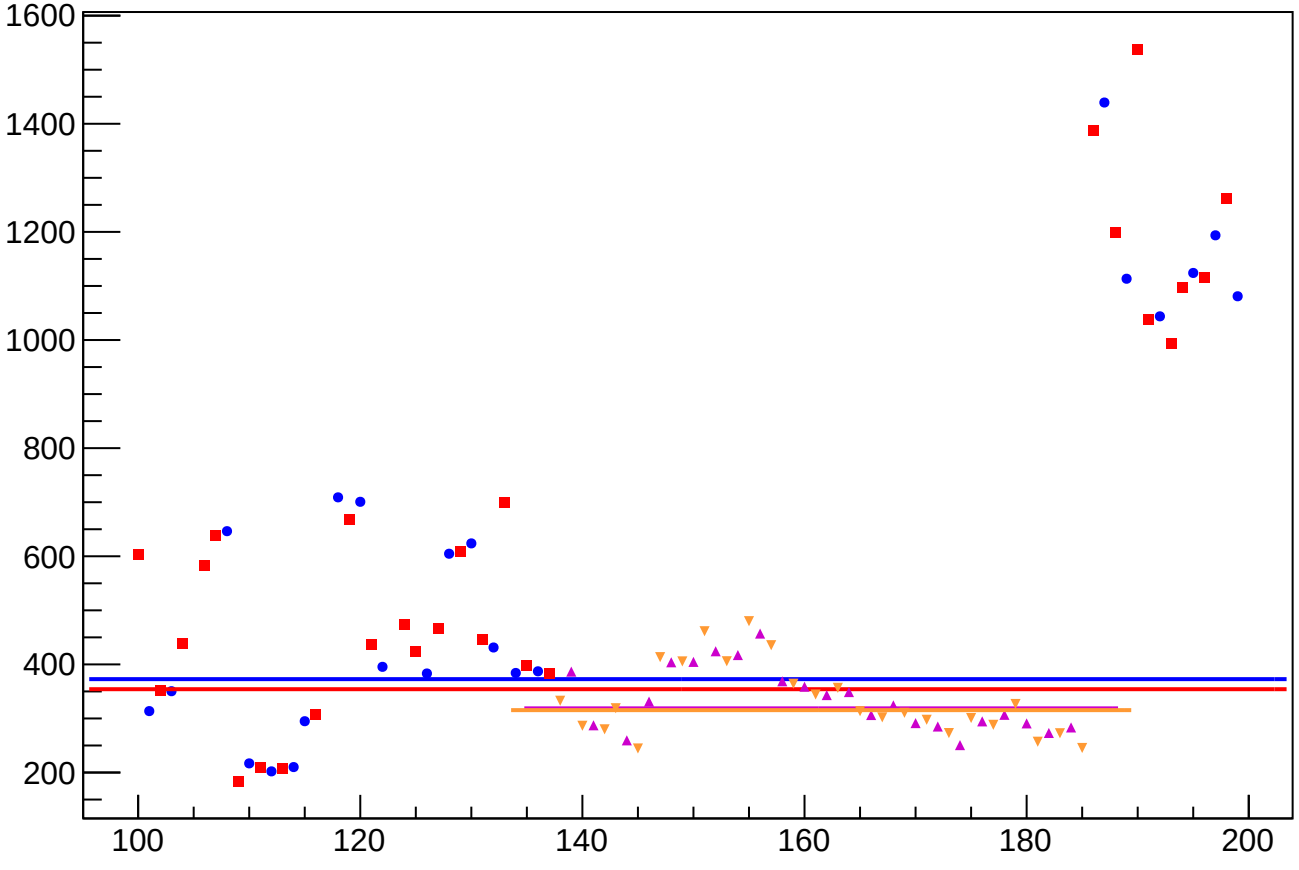
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

\+ sign 318.353+/-63.468 χ^2/NDF: 84.5/46

All: 190.259+/-45.076 χ^2/NDF: 145.3/96

\- sign 59.889+/-64.030 χ^2/NDF: 52.6/49

asym_sam7_rms vs Slug



Right In: 372.742+/-0.091 χ^2/NDF: 5976422.0/21

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

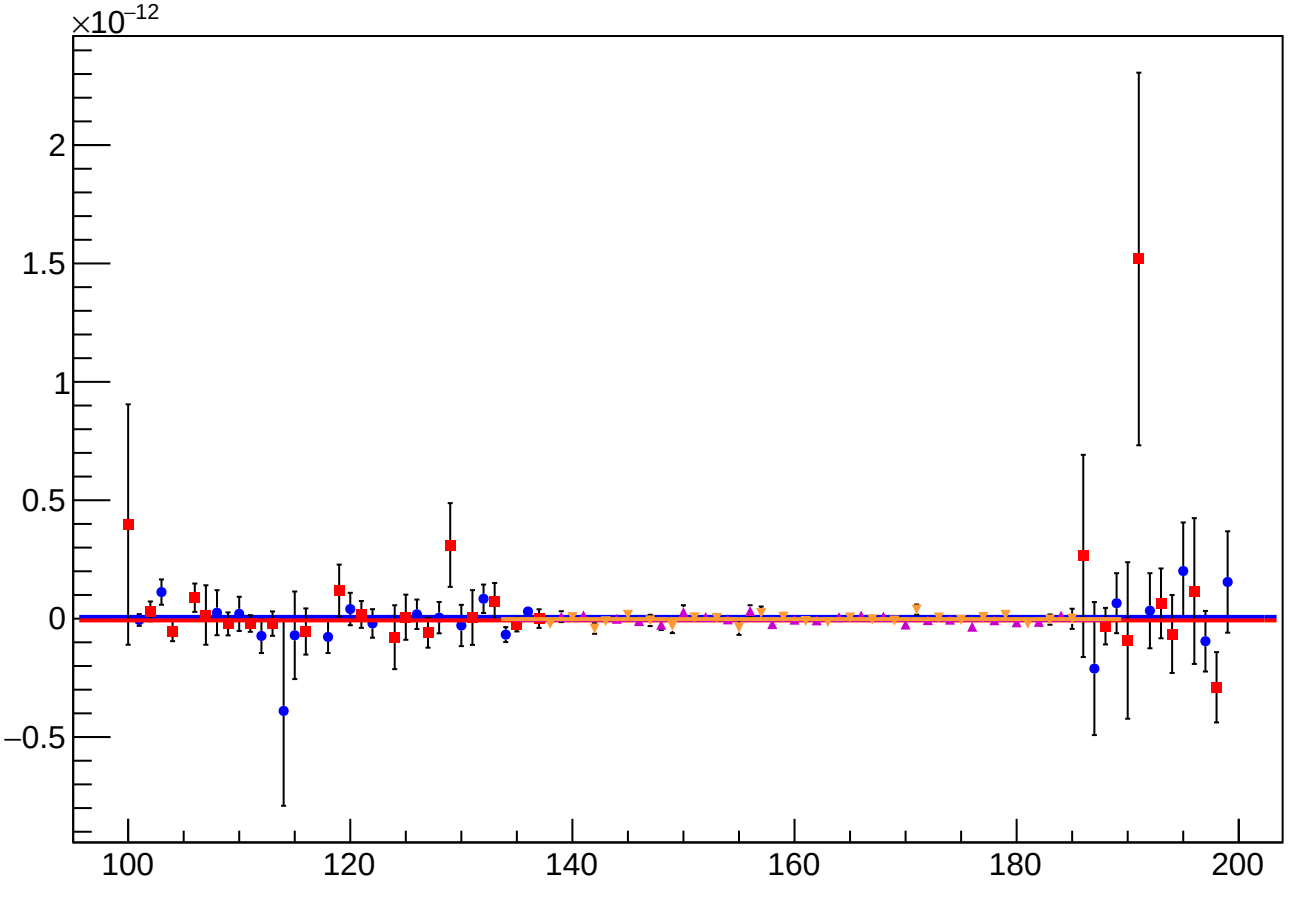
Right Out: 354.121+/-0.085 χ^2/NDF: 7924165.5/26

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 329.461+/-0.045 χ^2/NDF: 7488772.1/46

All: 329.095+/-0.032 χ^2/NDF: 16529012.8/96

- sign 328.724+/-0.045 χ^2/NDF: 9040107.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

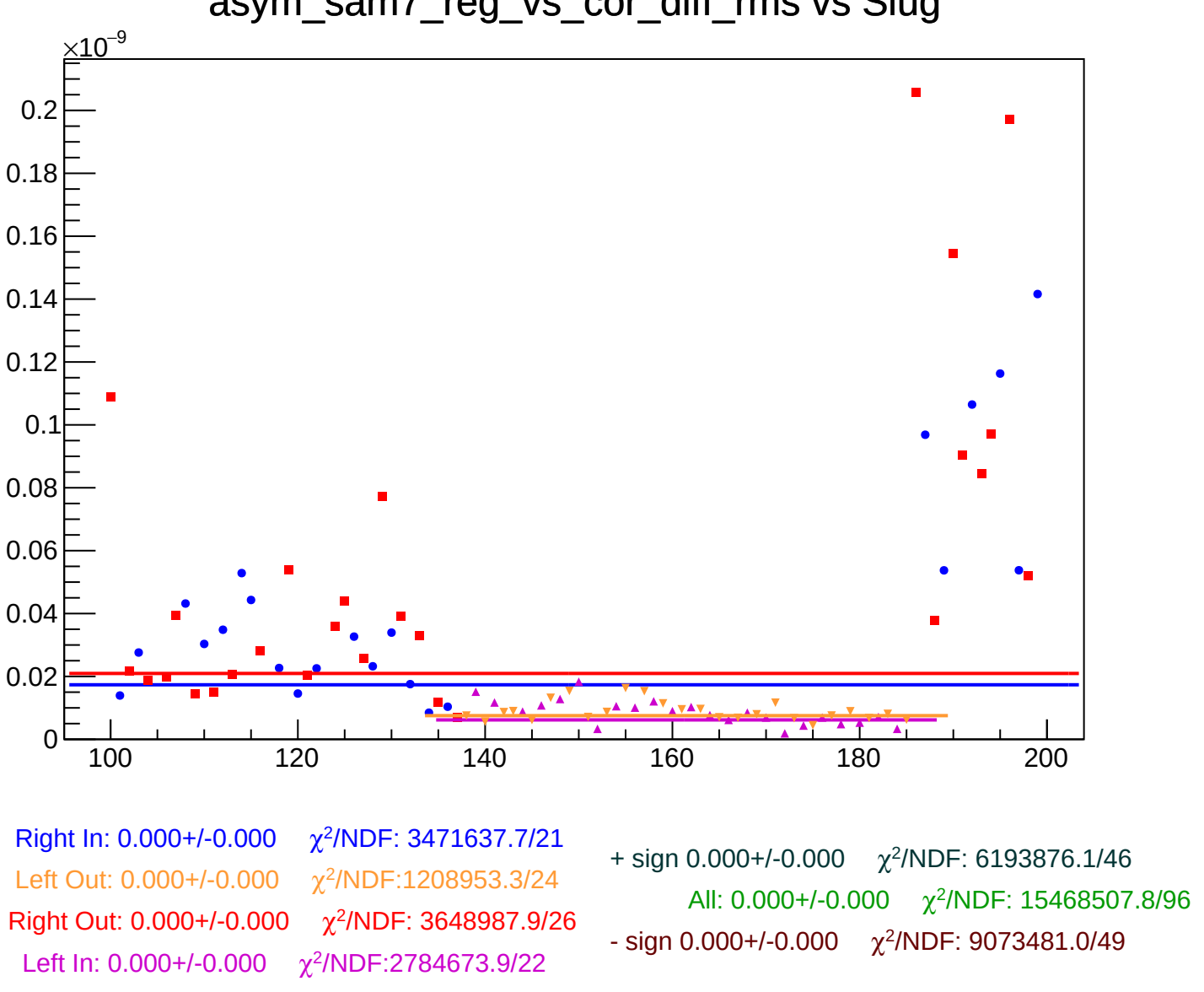
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/26

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

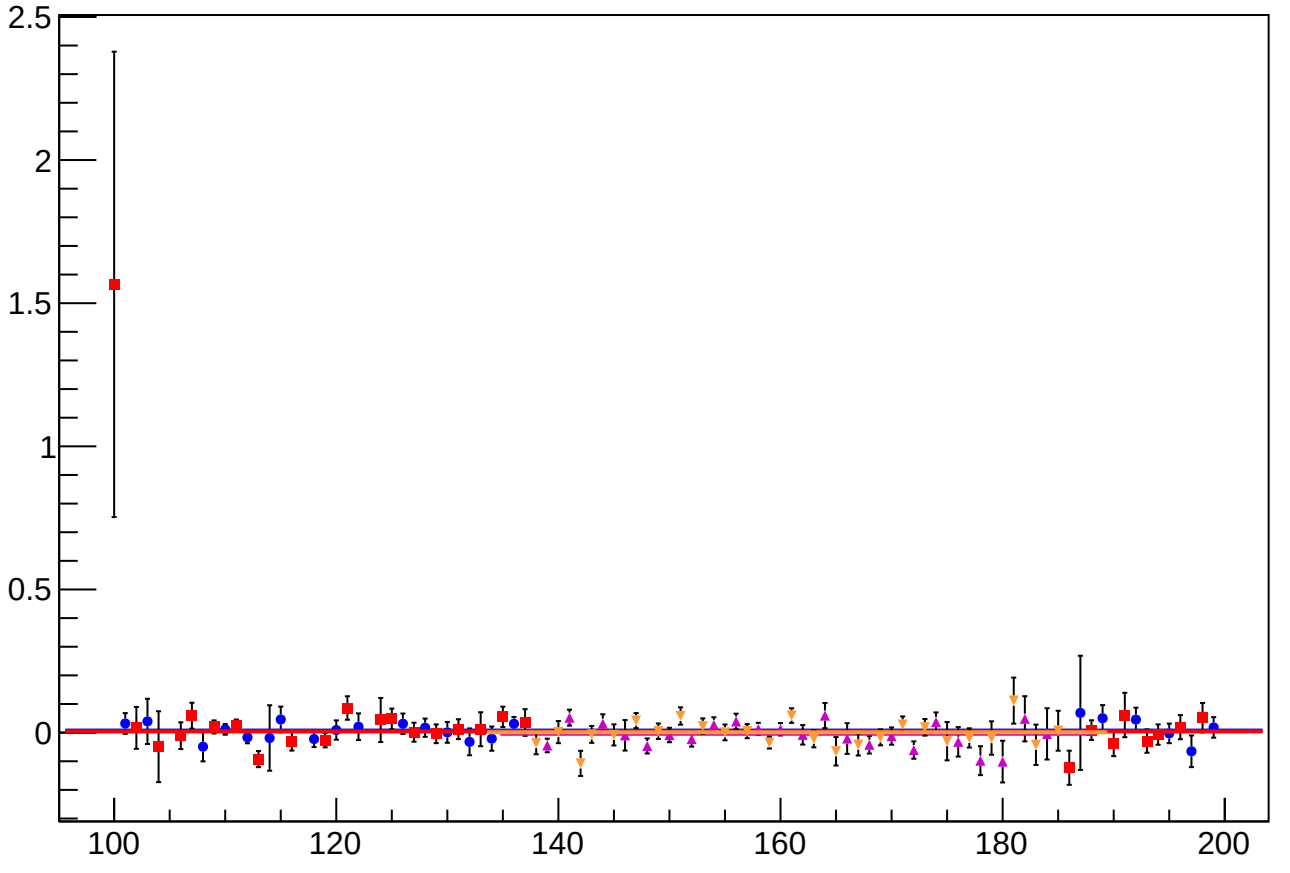
+ sign -0.000+/-0.000 χ^2/NDF: 40.2/46

All: -0.000+/-0.000 χ^2/NDF: 80.0/96

- 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: 3471637.7/21
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: 6193876.1/46
All: 0.000+/-0.000 χ²/NDF: 15468507.8/96
- sign 0.000+/-0.000 χ²/NDF: 9073481.0/49

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/26

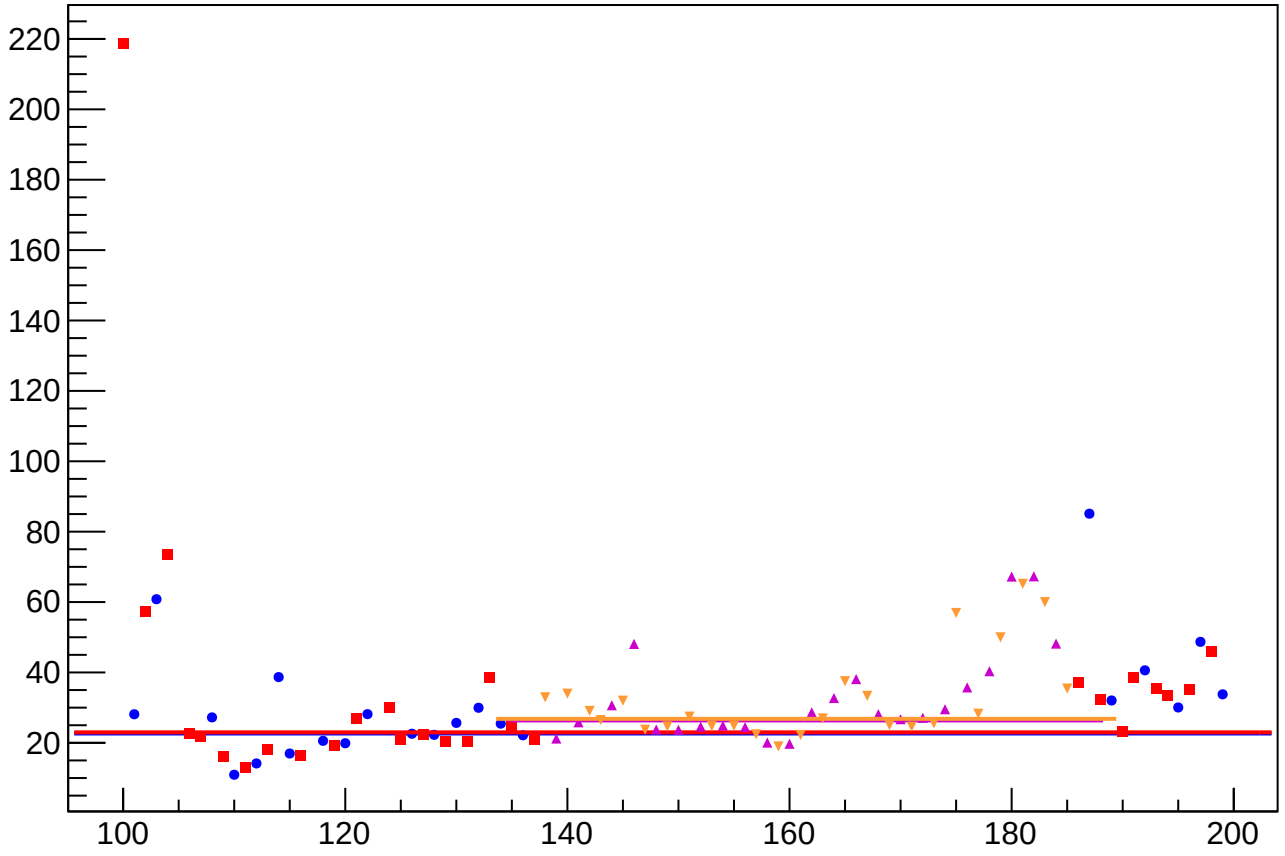
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 42.3/46

All: 0.002+/-0.003 χ^2/NDF: 112.3/96

- sign -0.000+/-0.005 χ^2/NDF: 69.7/49

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 22.654+/-0.005 χ^2/NDF: 3231078.8/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3263183.7/26

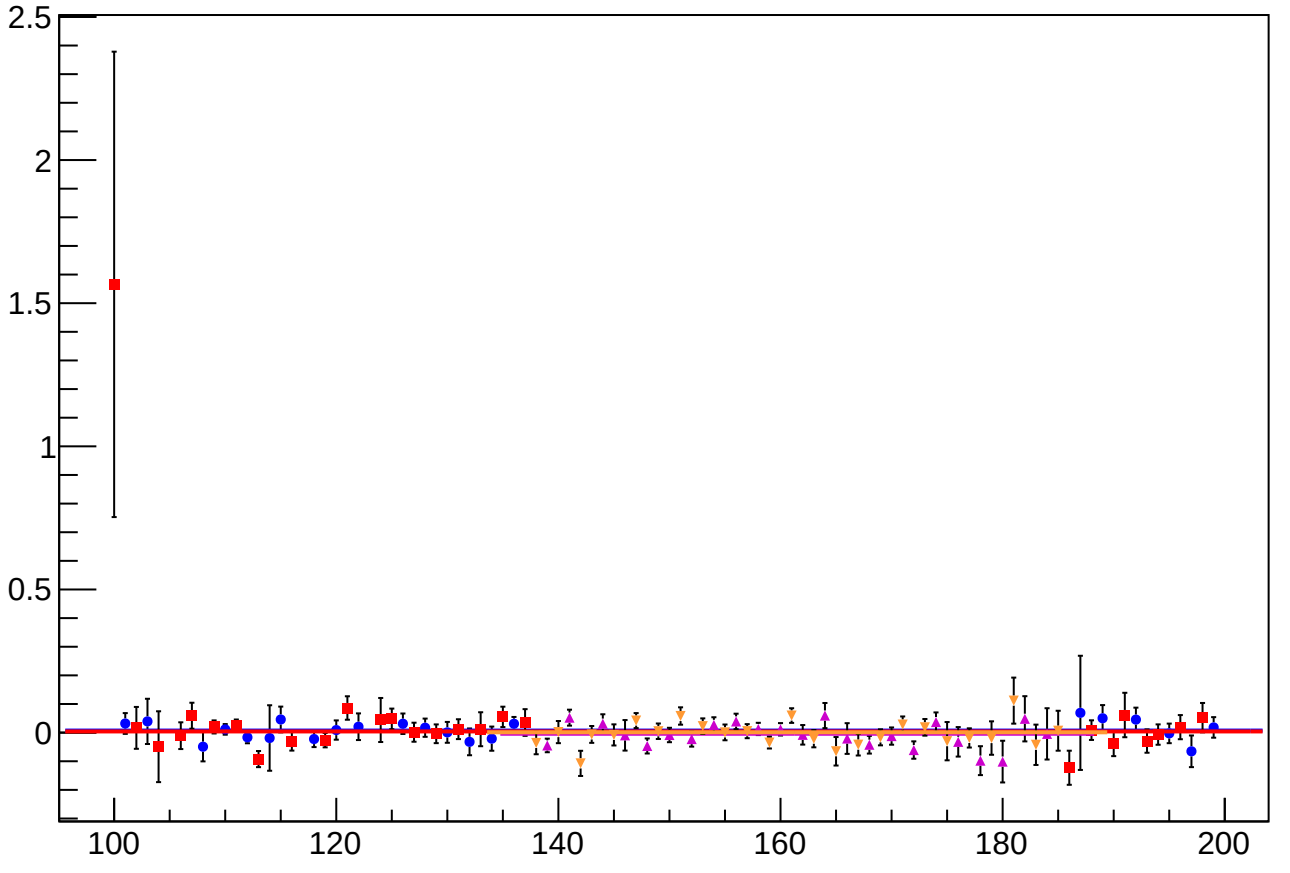
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.022+/-0.003 χ^2/NDF: 6056241.9/46

All: 24.919+/-0.002 χ^2/NDF: 12130242.6/96

- 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+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/26

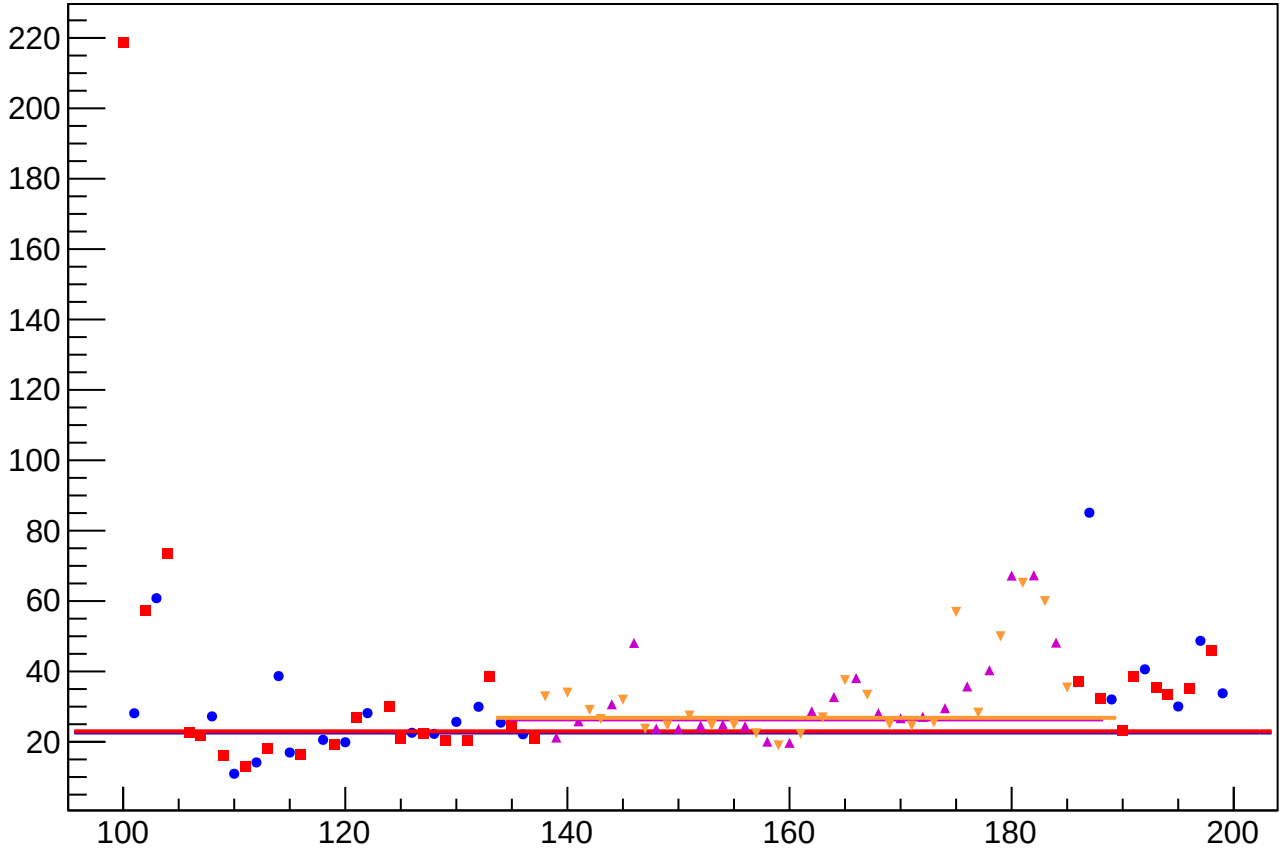
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 42.3/46

All: 0.002+/-0.003 χ^2/NDF: 112.3/96

- sign -0.000+/-0.005 χ^2/NDF: 69.7/49

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.654+/-0.005 χ^2/NDF: 3231078.8/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3263183.7/26

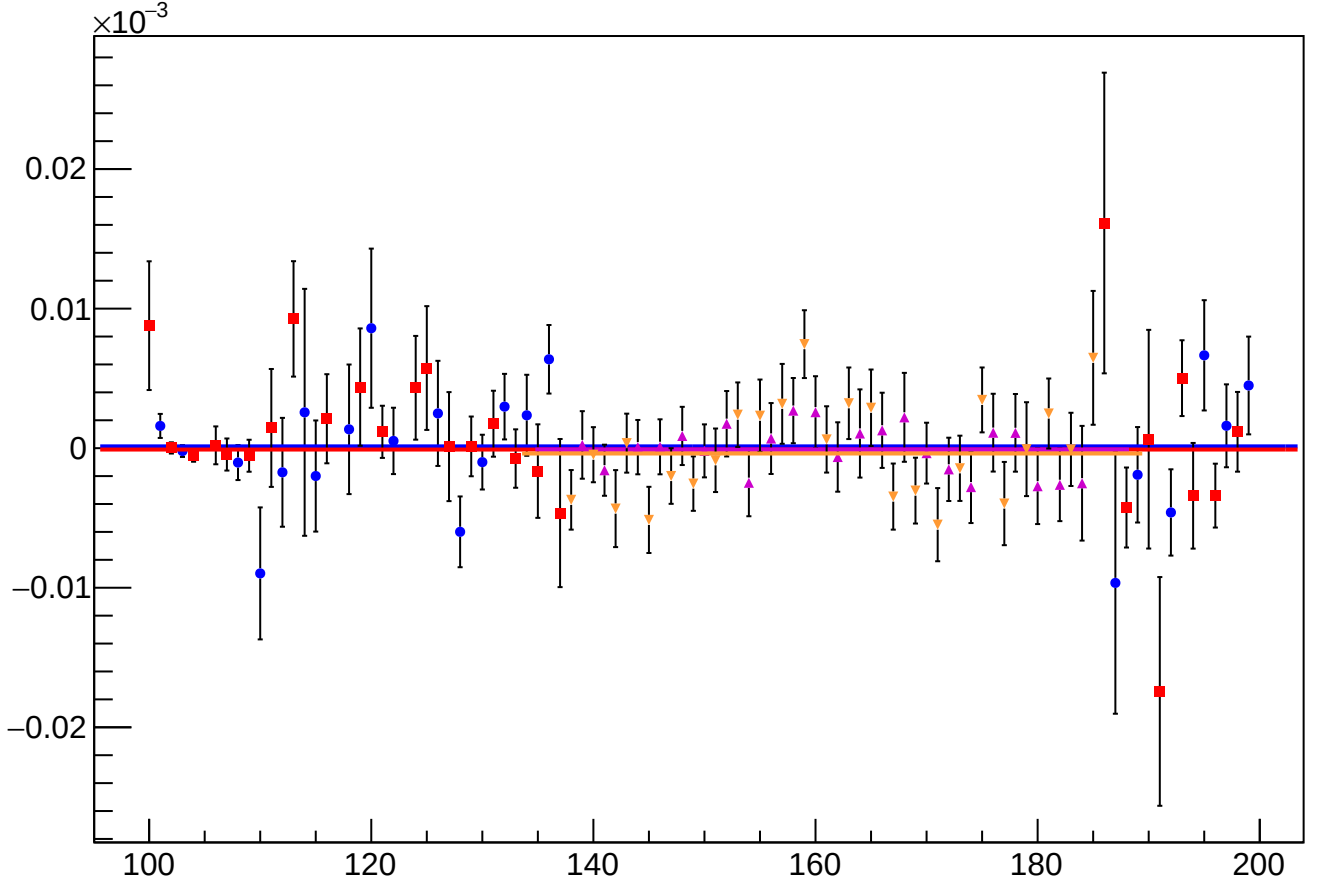
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.022+/-0.003 χ^2/NDF: 6056241.9/46

All: 24.919+/-0.002 χ^2/NDF: 12130242.6/96

- sign 24.819+/-0.003 χ^2/NDF: 6072267.8/49

asym_sam7_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/26

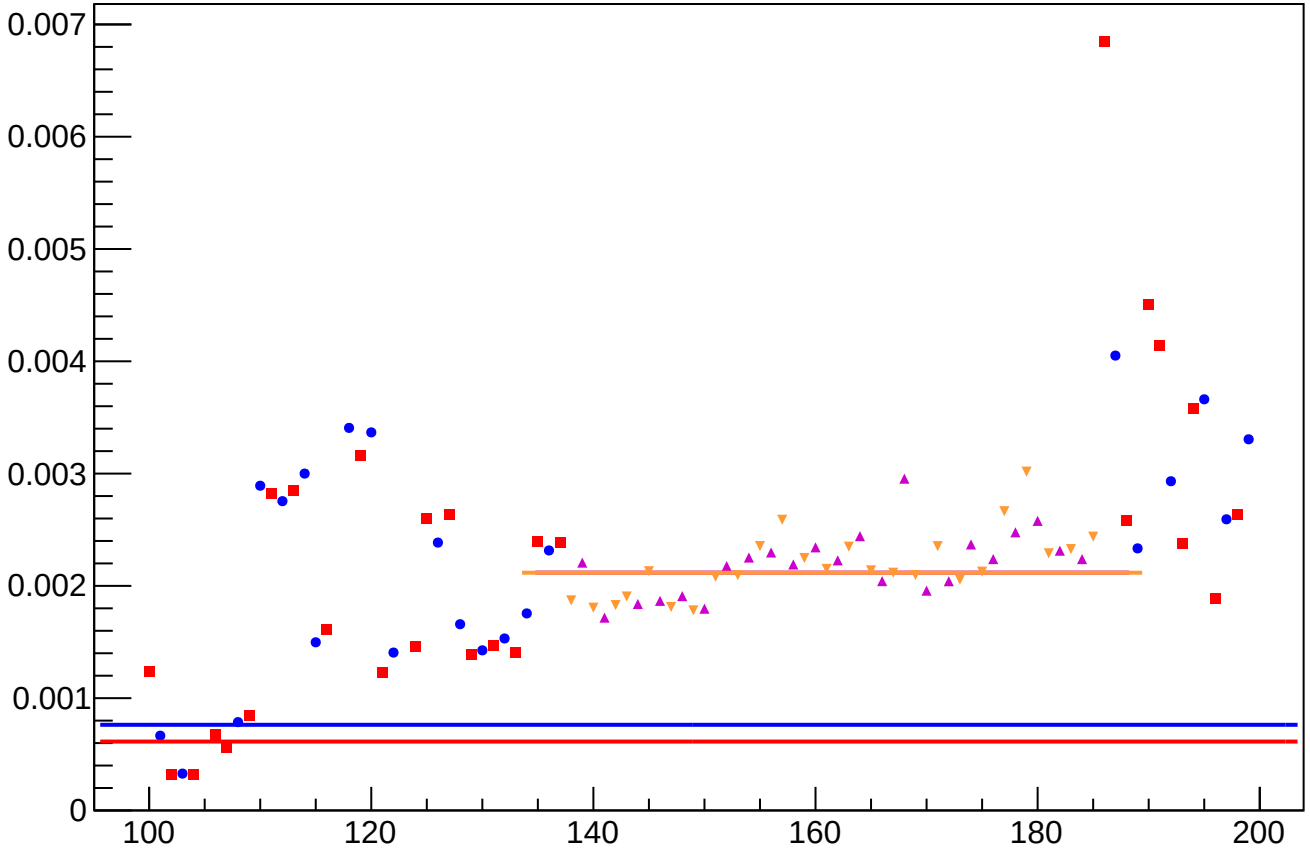
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.2/46

All: -0.000+/-0.000 χ^2/NDF: 121.0/96

- 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: 11121421.7/21

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 13092898.8/26

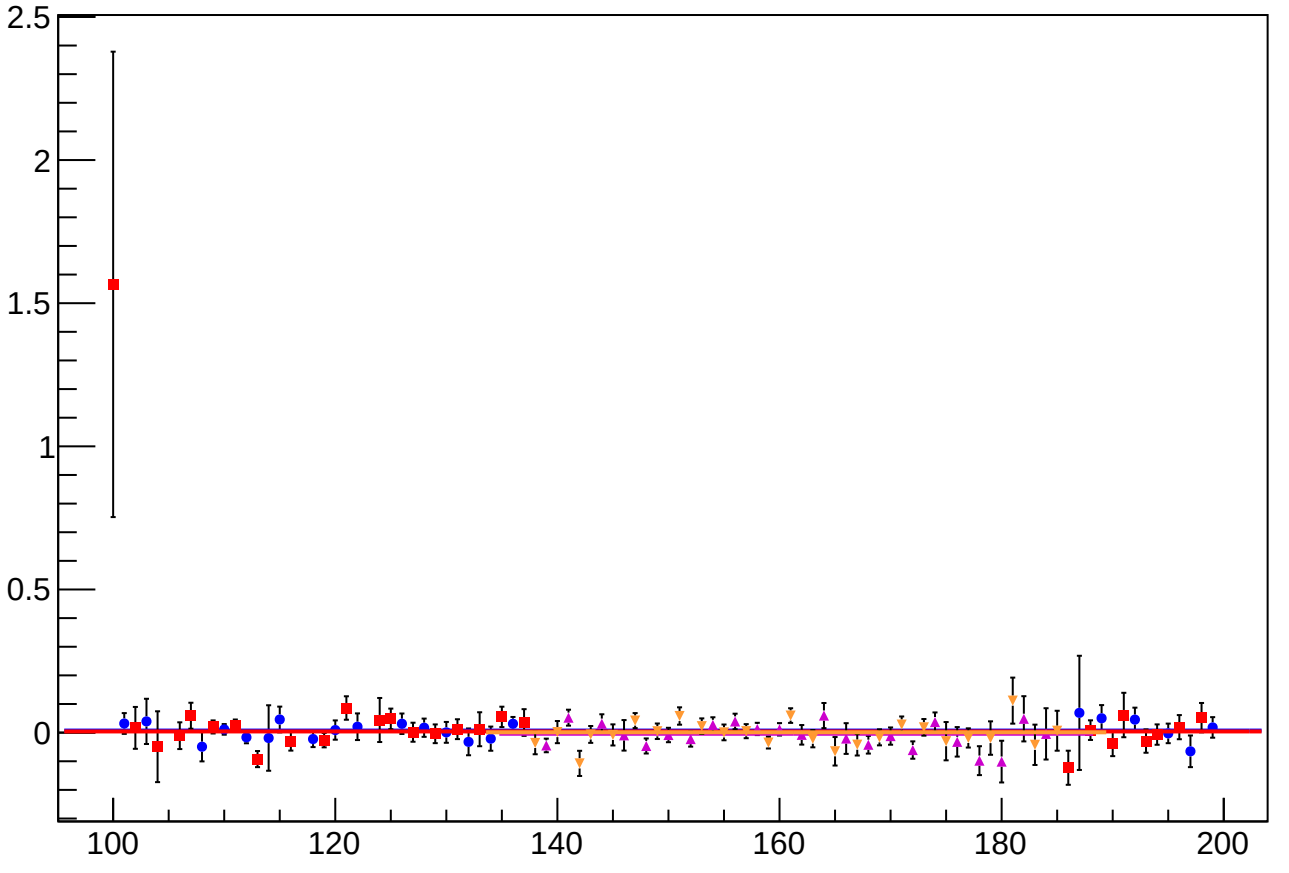
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 22415610.2/46

All: 0.001+/-0.000 χ^2/NDF: 51546193.3/96

- 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+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/26

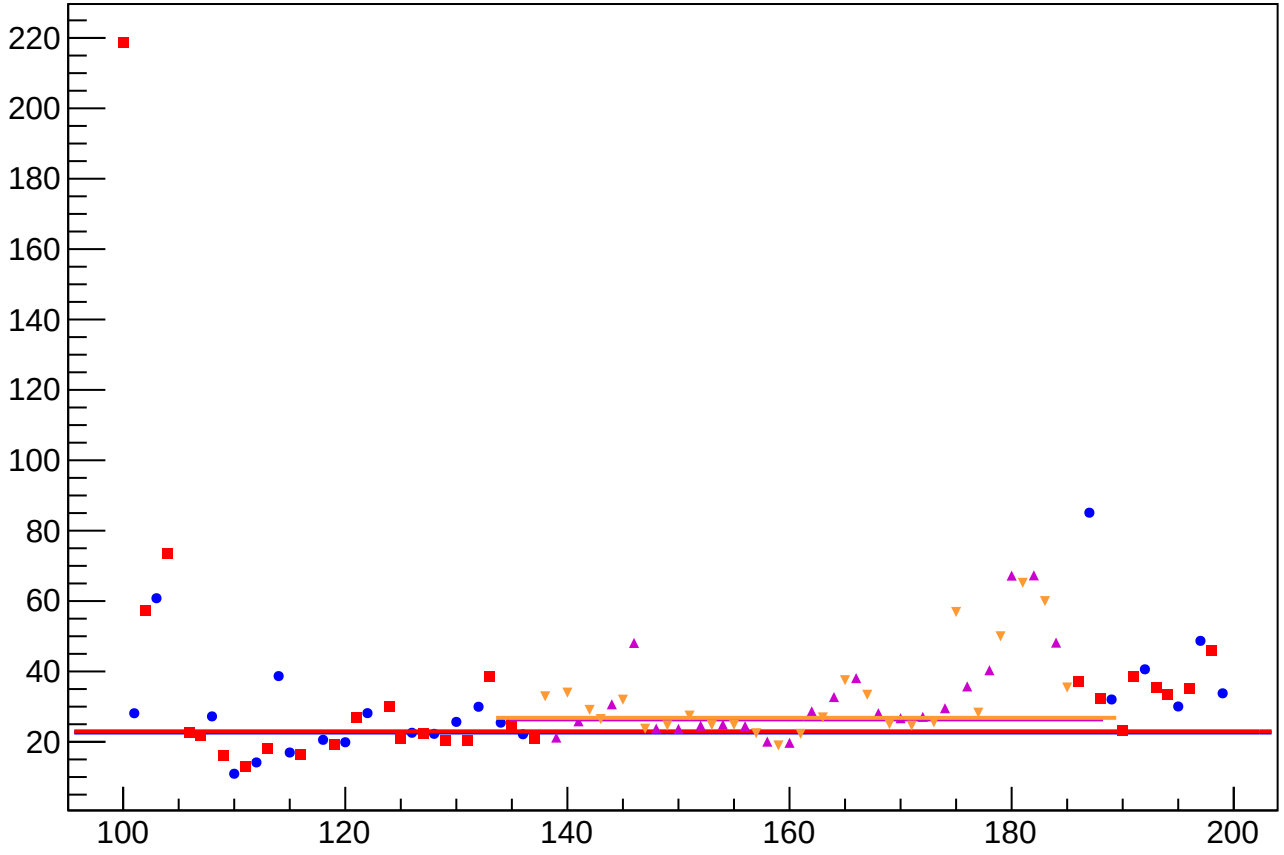
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 42.3/46

All: 0.002+/-0.003 χ^2/NDF: 112.3/96

- sign -0.000+/-0.005 χ^2/NDF: 69.7/49

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.655+/-0.005 χ^2/NDF: 3230831.6/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3262939.6/26

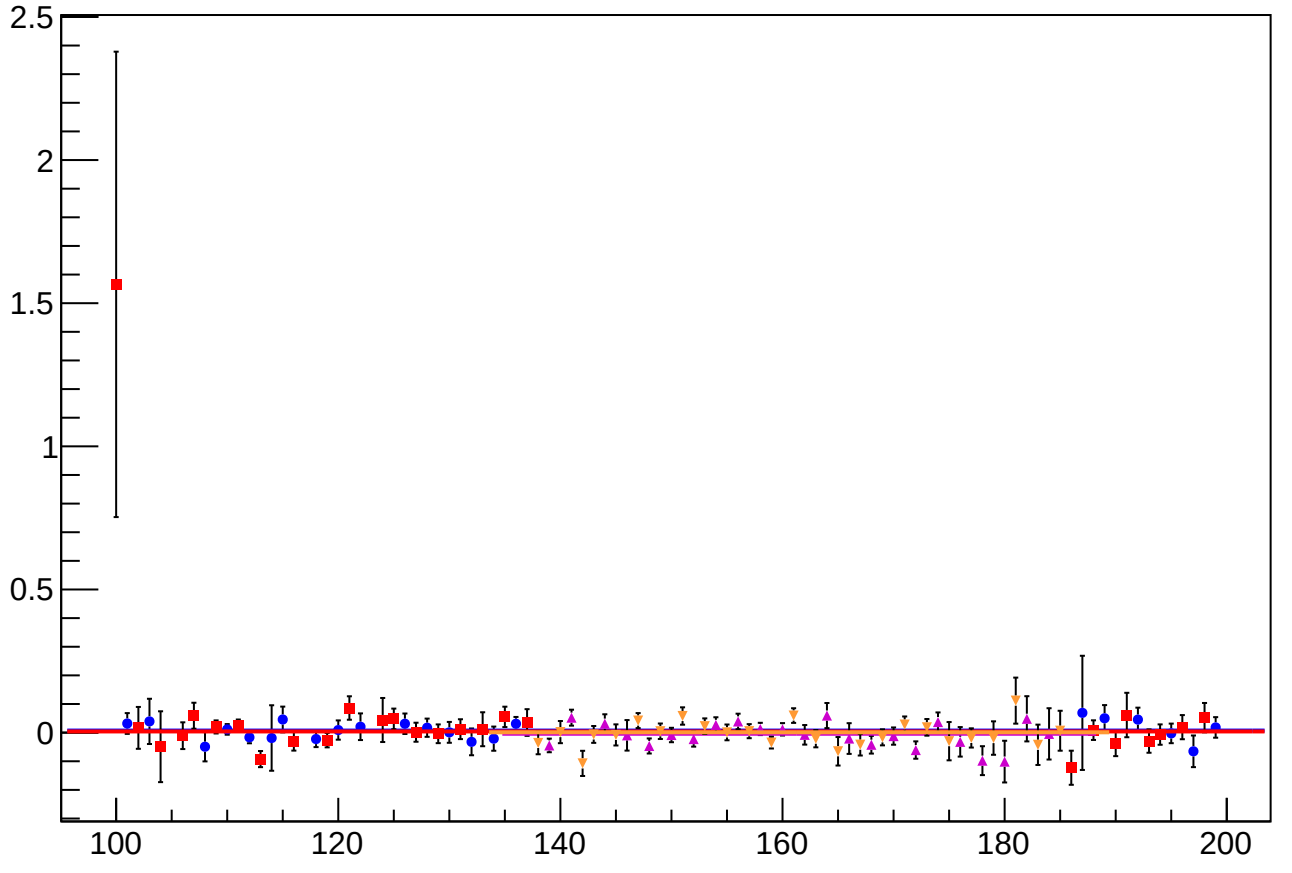
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.022+/-0.003 χ^2/NDF: 6055957.3/46

All: 24.919+/-0.002 χ^2/NDF: 12129785.7/96

- sign 24.819+/-0.003 χ^2/NDF: 6072091.5/49

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

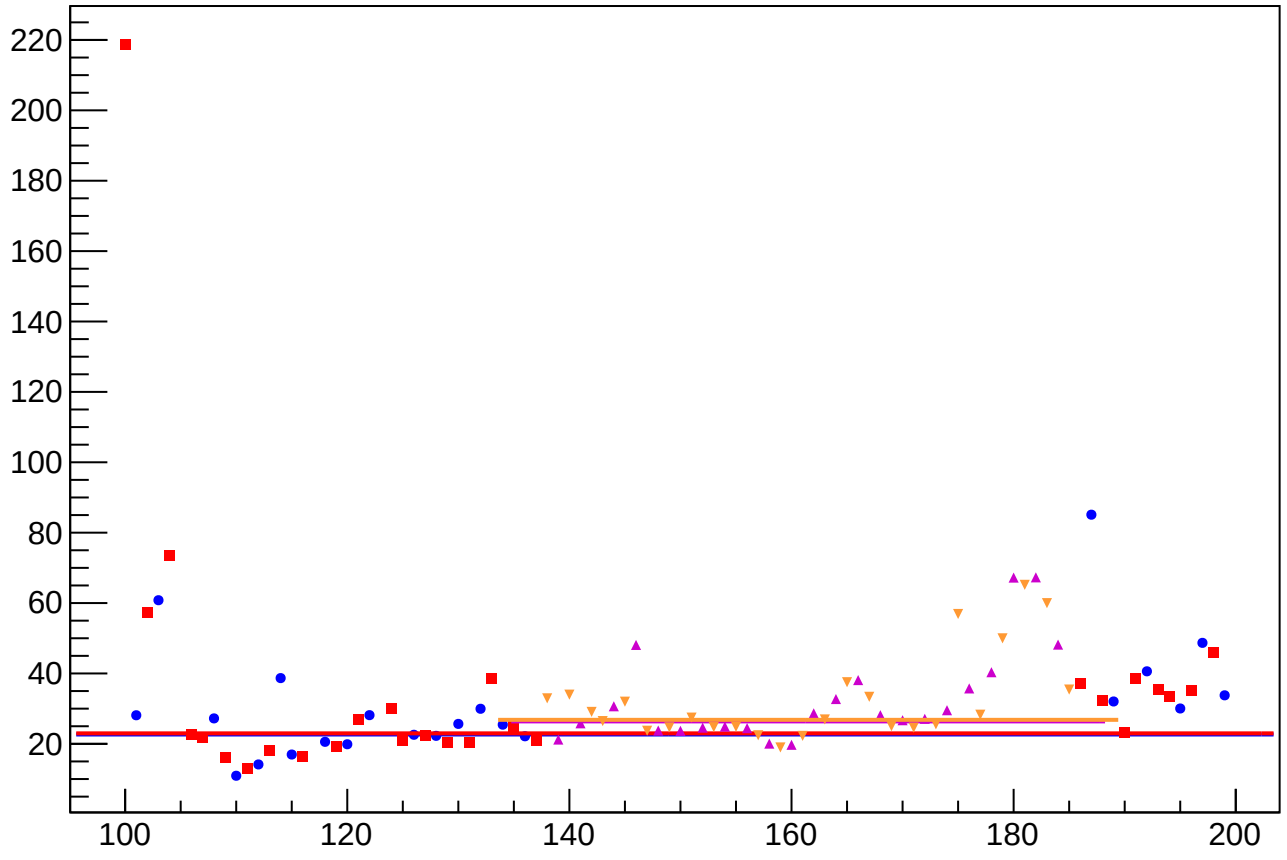
Right Out: 0.004+/-0.007 χ^2/NDF: 37.9/26

Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 42.3/46

All: 0.002+/-0.003 χ^2/NDF: 112.3/96

- sign -0.000+/-0.005 χ^2/NDF: 69.7/49



Right In: 22.655+/-0.005 χ^2/NDF: 3230831.6/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

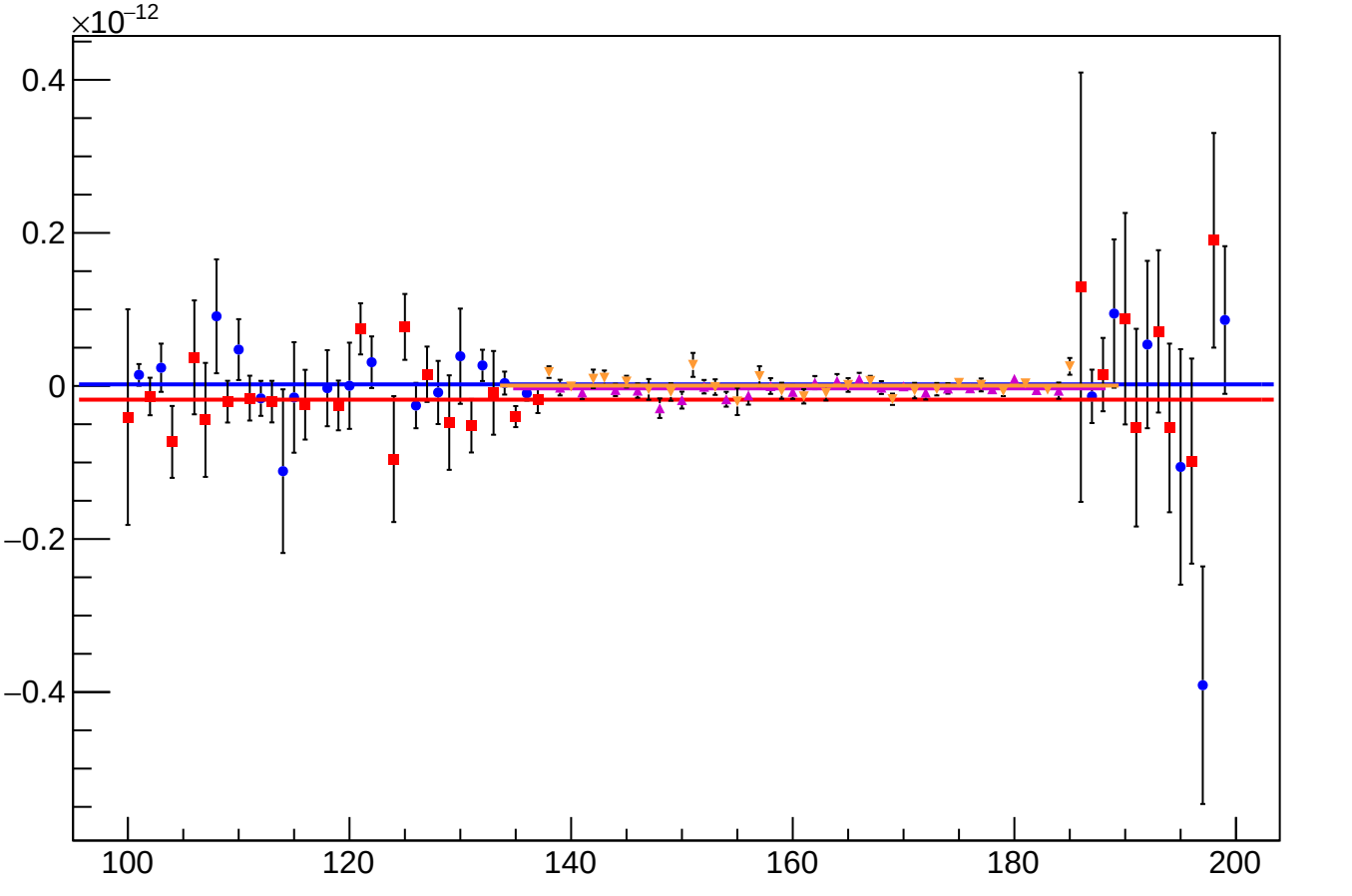
Right Out: 22.980+/-0.005 χ^2/NDF: 3262939.6/26

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.022+/-0.003 χ^2/NDF: 6055957.3/46

All: 24.919+/-0.002 χ^2/NDF: 12129785.7/96

- sign 24.819+/-0.003 χ^2/NDF: 6072091.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/26

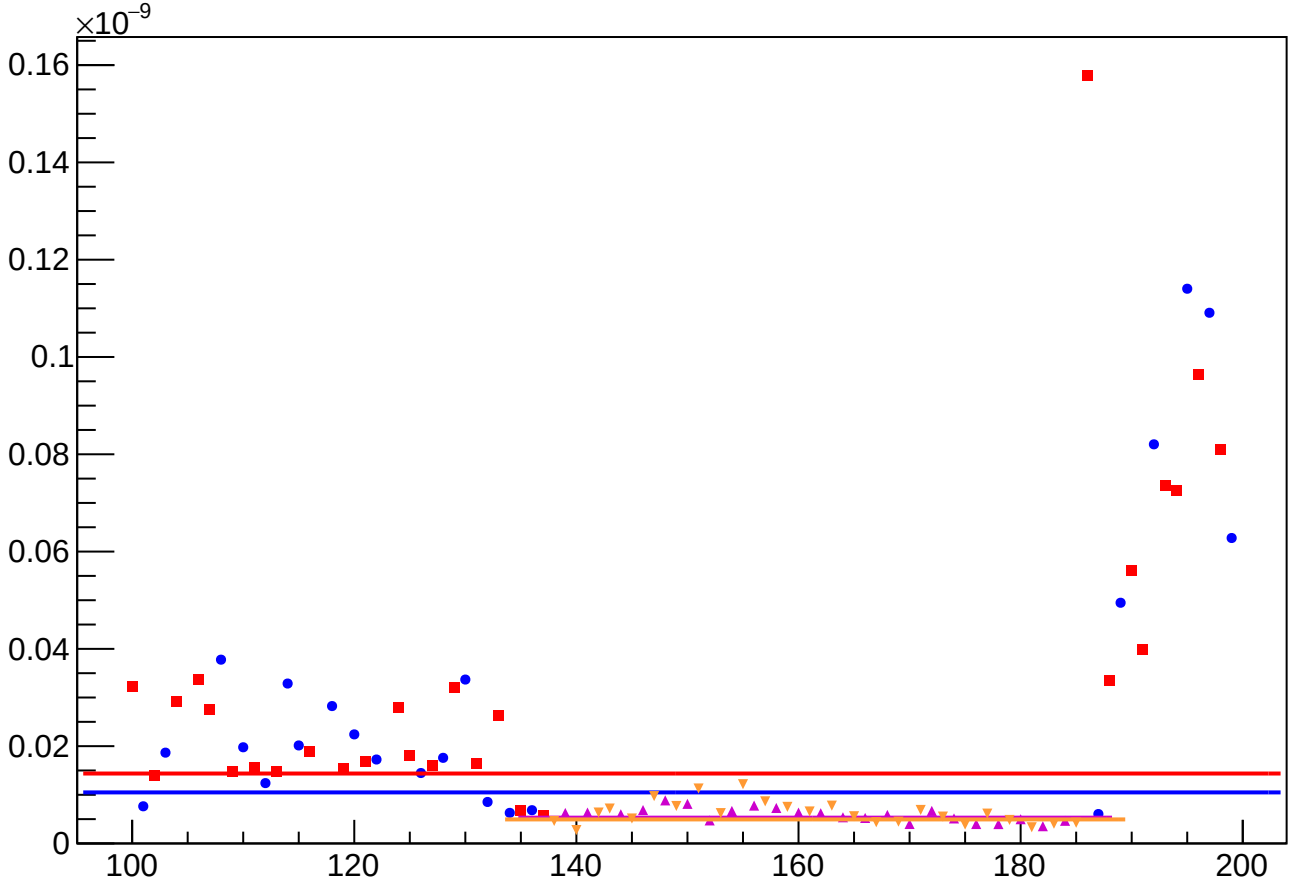
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/46

All: -0.000+/-0.000 χ^2/NDF: 105.2/96

- 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: 5517183.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5387514.5/26

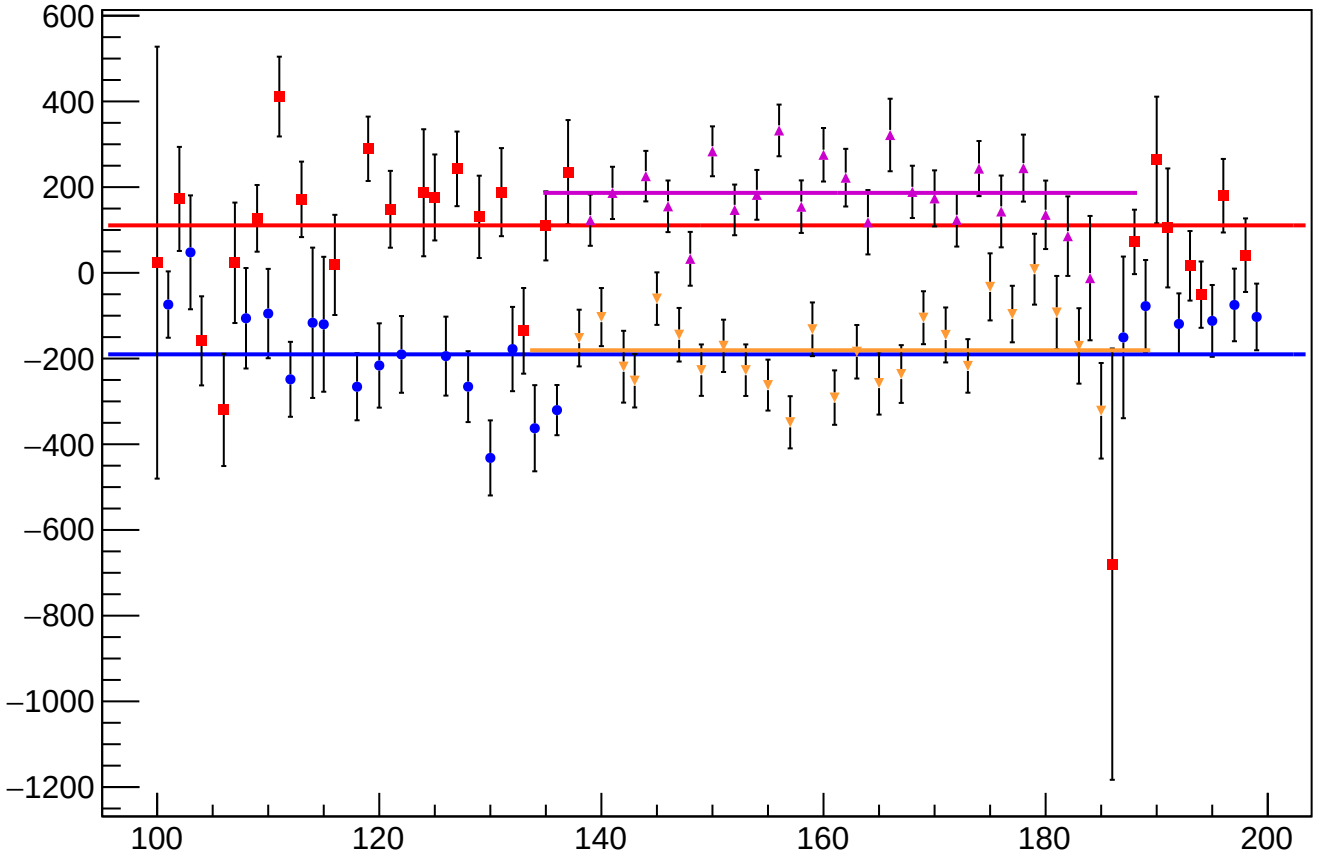
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10085849.4/46

All: 0.000+/-0.000 χ^2/NDF: 20059478.0/96

- sign 0.000+/-0.000 χ^2/NDF: 9887917.7/49

reg_asym_sam8_mean vs Slug



Right In: -190.194+/-19.501 χ^2/NDF: 31.1/21

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 110.752+/-19.145 χ^2/NDF: 57.2/26

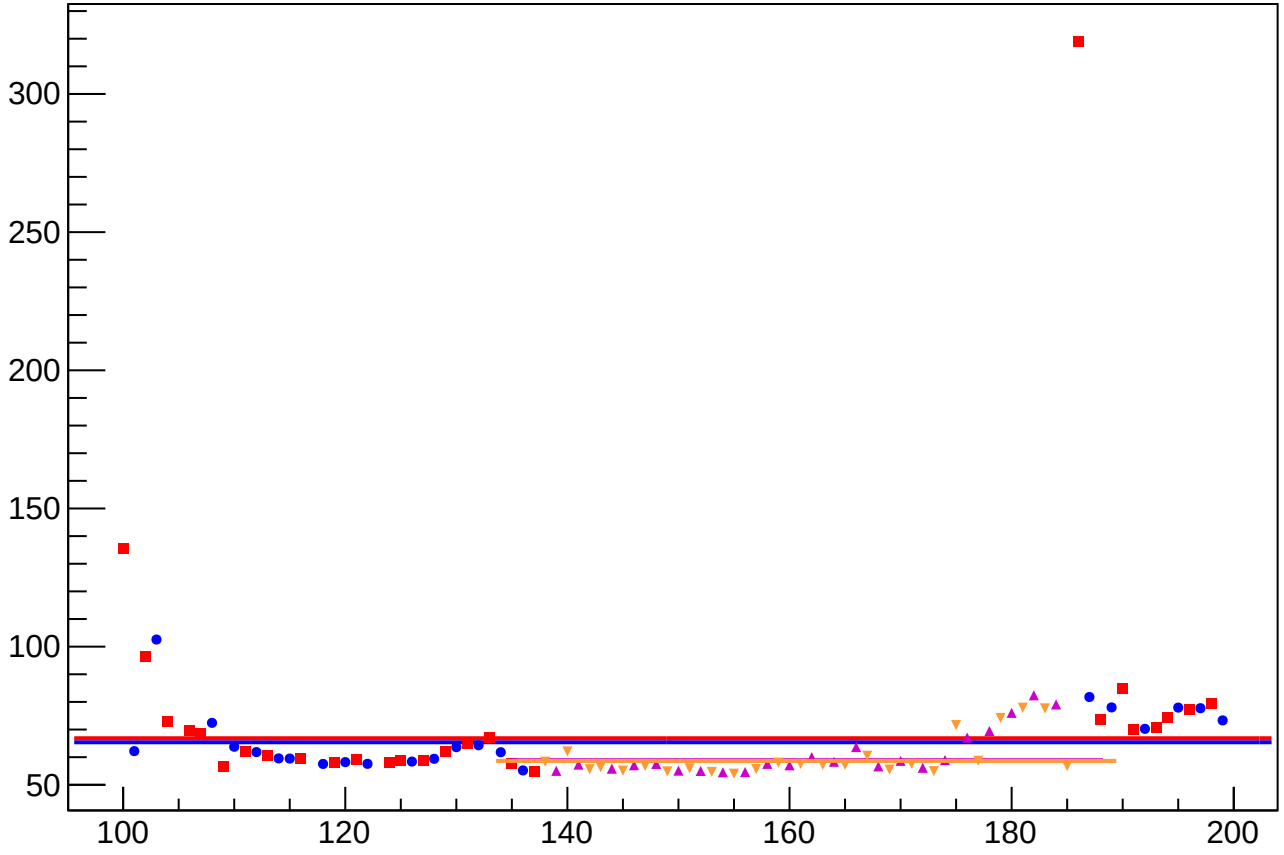
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -183.741+/-11.054 χ^2/NDF: 69.8/46

All: -14.283+/-7.877 χ^2/NDF: 643.6/96

- sign 160.496+/-11.227 χ^2/NDF: 96.4/49

reg_asym_sam8_rms vs Slug



Right In: 65.398+/-0.014 χ^2/NDF: 467693.2/21

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.854+/-0.014 χ^2/NDF: 996384.7/26

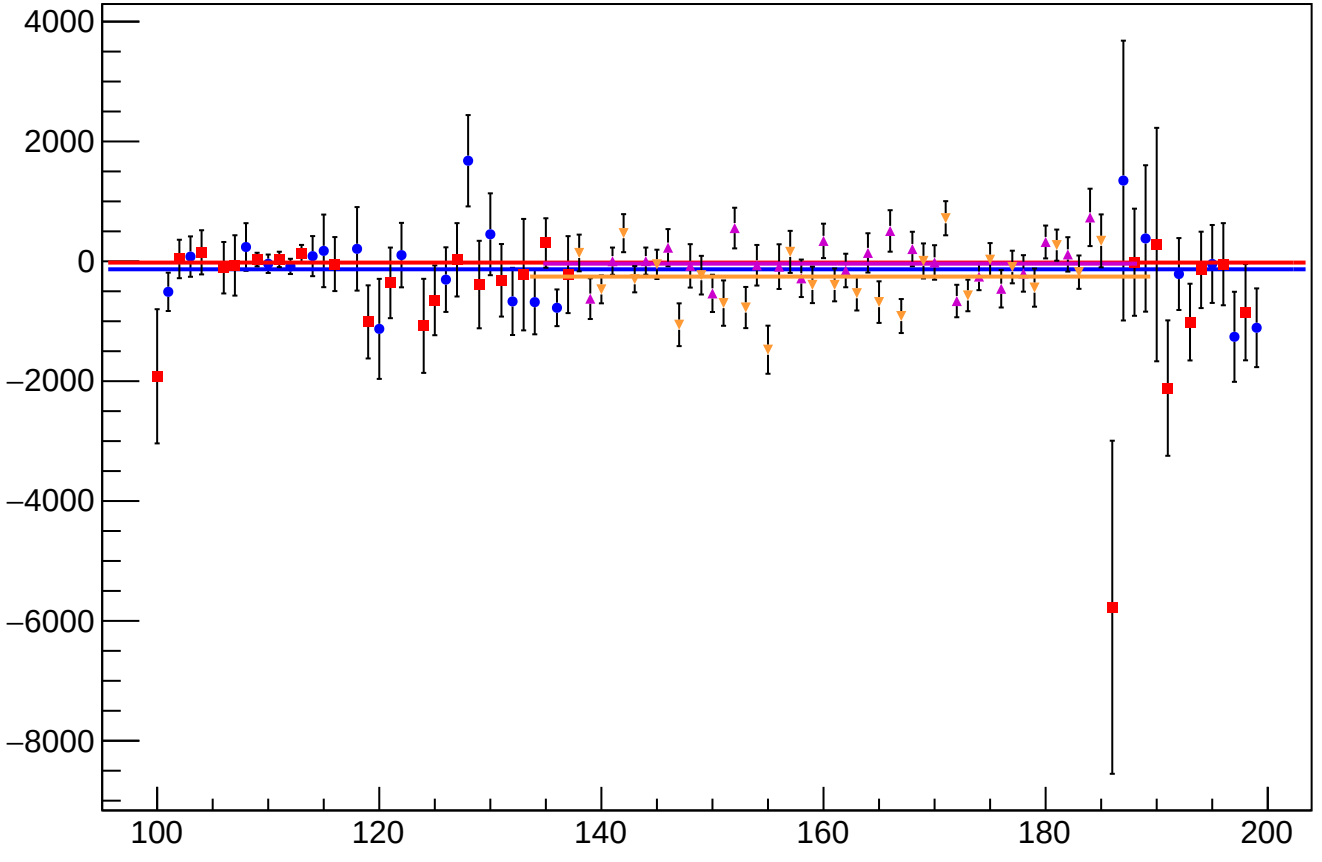
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.814+/-0.008 χ^2/NDF: 1024394.0/46

All: 61.220+/-0.006 χ^2/NDF: 2639268.9/96

- sign 61.639+/-0.008 χ^2/NDF: 1609388.8/49

asym_sam8_reg_correction_mean vs Slug



Right In: -133.075+/-74.074 χ^2/NDF: 23.6/21

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -21.111+/-62.541 χ^2/NDF: 23.1/26

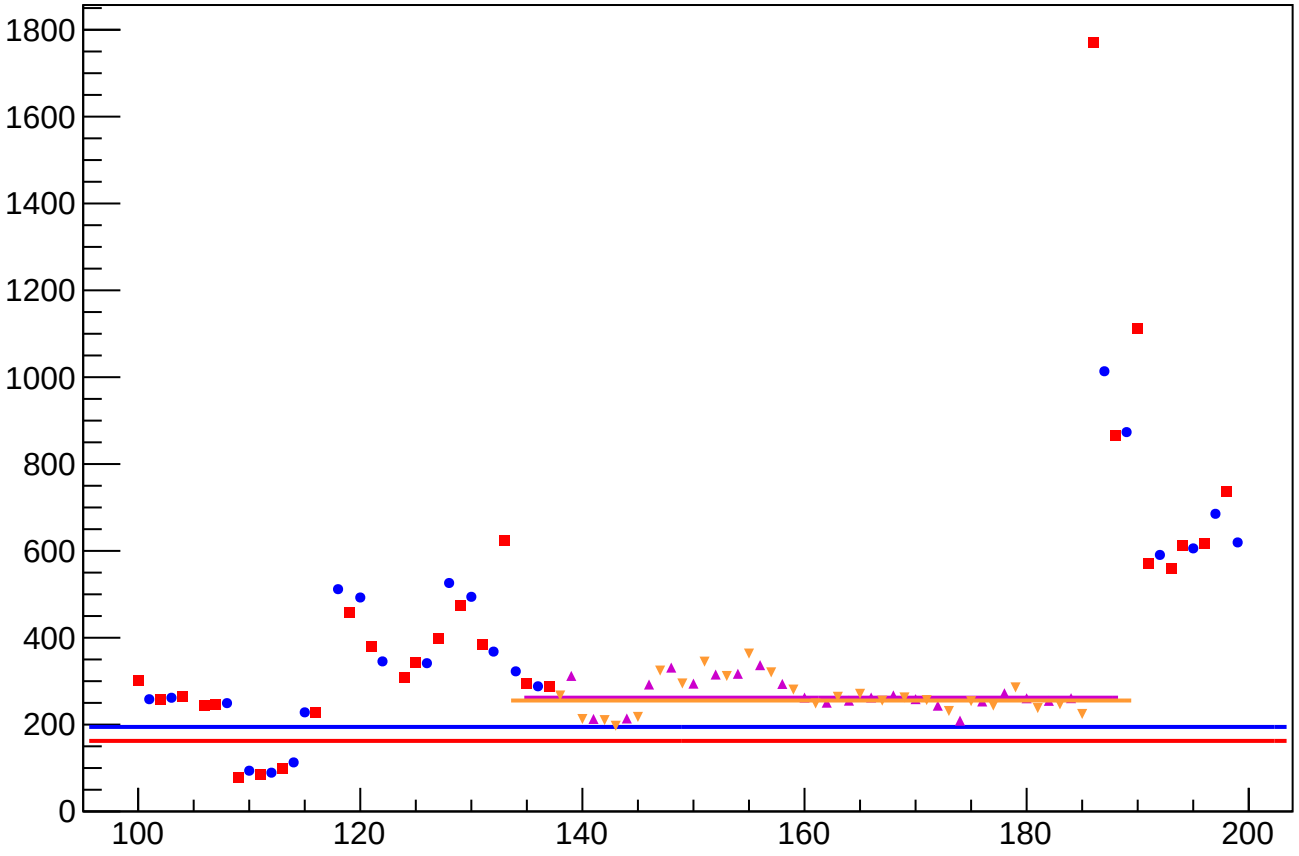
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -207.567+/-46.091 χ^2/NDF: 82.9/46

All: -114.759+/-31.822 χ^2/NDF: 142.1/96

- sign -30.224+/-43.989 χ^2/NDF: 51.4/49

asym_sam8_reg_correction_rms vs Slug



Right In: 194.646+/-0.052 χ^2/NDF: 9006658.1/21

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 162.468+/-0.044 χ^2/NDF: 11729687.4/26

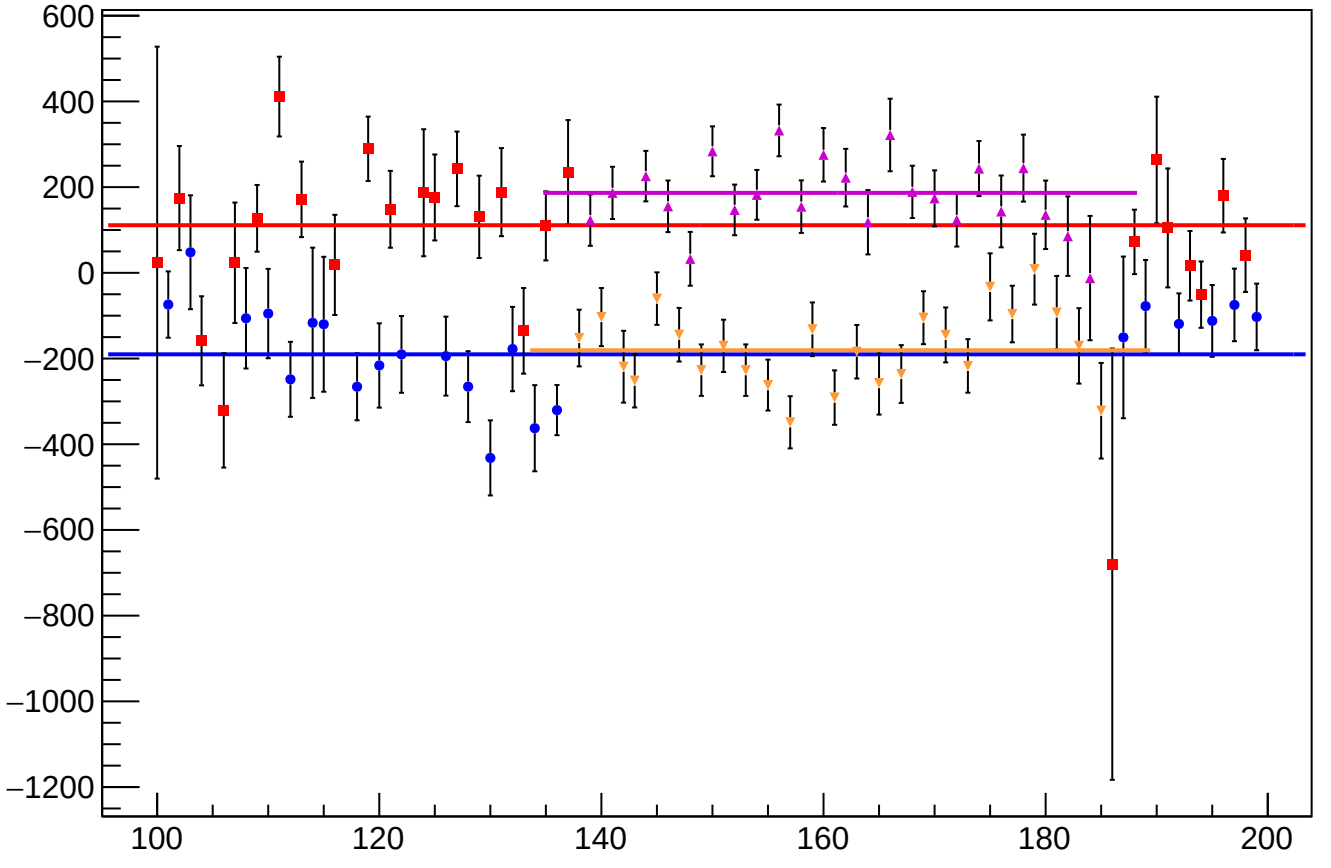
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 231.921+/-0.033 χ^2/NDF: 10696902.2/46

All: 221.896+/-0.023 χ^2/NDF: 25837900.8/96

- sign 212.764+/-0.031 χ^2/NDF: 14960188.9/49

cor_asym_sam8_mean vs Slug



Right In: -190.193+/-19.501 χ^2/NDF: 31.1/21

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 111.108+/-19.152 χ^2/NDF: 56.8/26

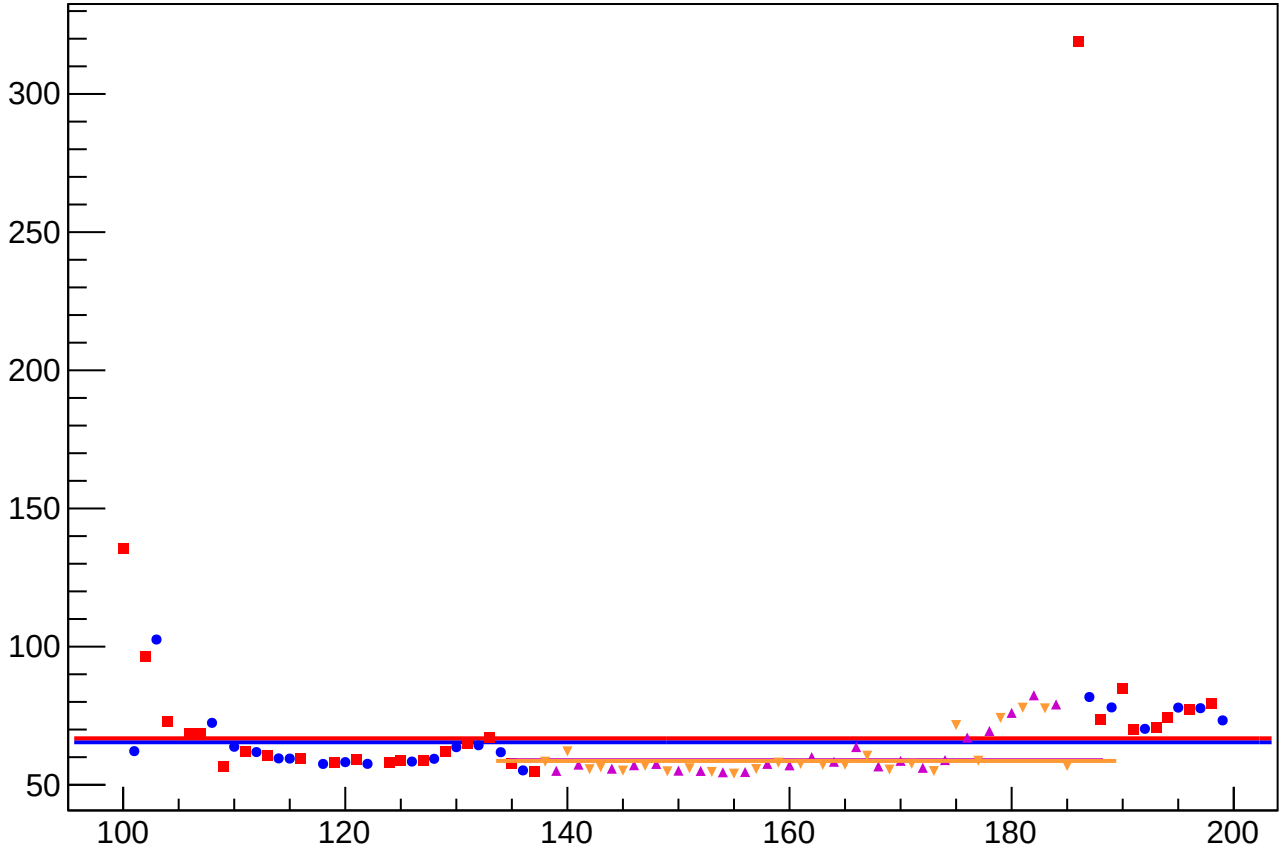
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -183.737+/-11.054 χ^2/NDF: 69.8/46

All: -14.237+/-7.877 χ^2/NDF: 643.5/96

- sign 160.632+/-11.228 χ^2/NDF: 96.0/49

cor_asym_sam8_rms vs Slug



Right In: 65.398+/-0.014 χ^2/NDF: 467695.6/21

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.829+/-0.014 χ^2/NDF: 995967.0/26

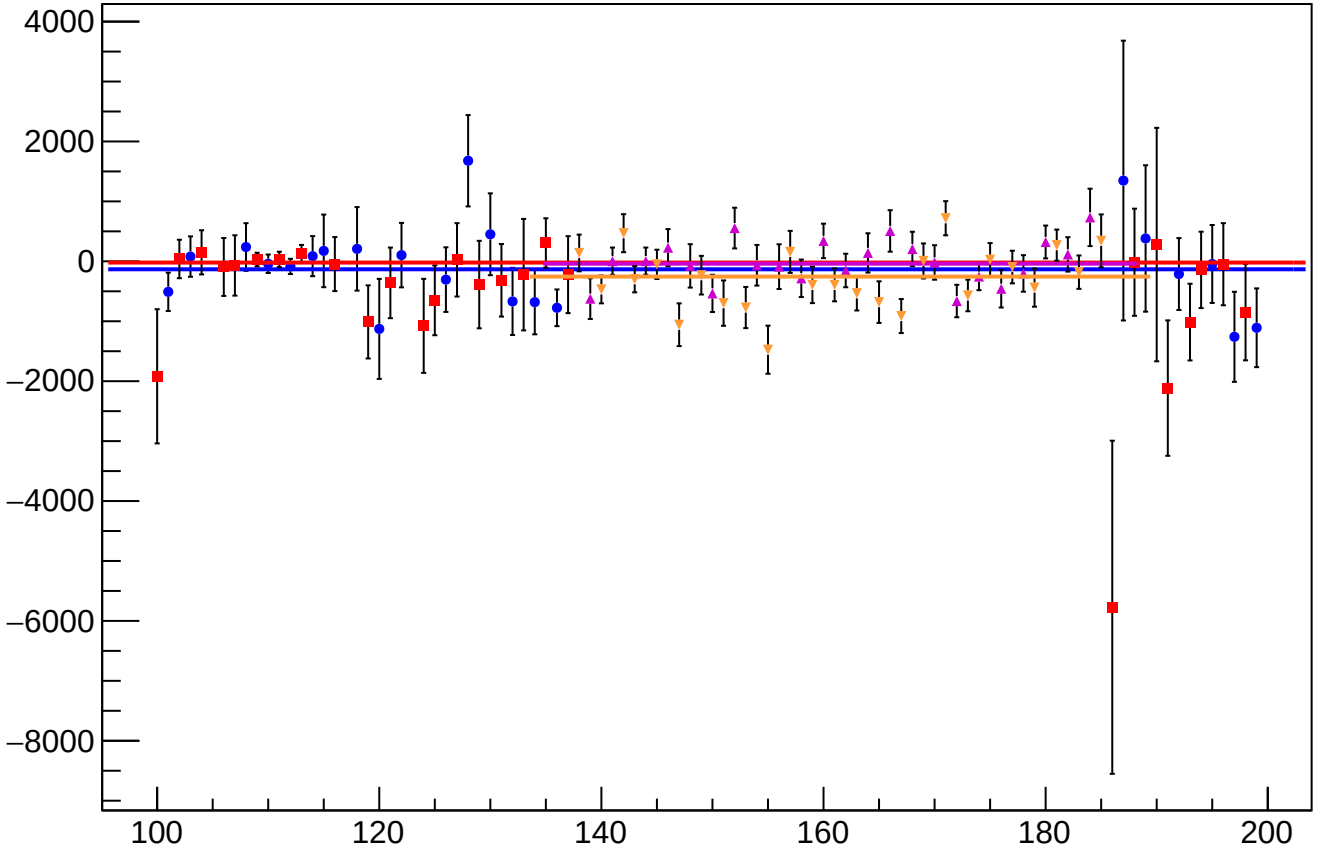
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.814+/-0.008 χ^2/NDF: 1024396.5/46

All: 61.215+/-0.006 χ^2/NDF: 2637129.5/96

- sign 61.629+/-0.008 χ^2/NDF: 1607383.9/49

asym_sam8_cor_correction_mean vs Slug



Right In: -133.057+/-74.075 χ^2/NDF: 23.6/21

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -20.538+/-62.683 χ^2/NDF: 23.0/26

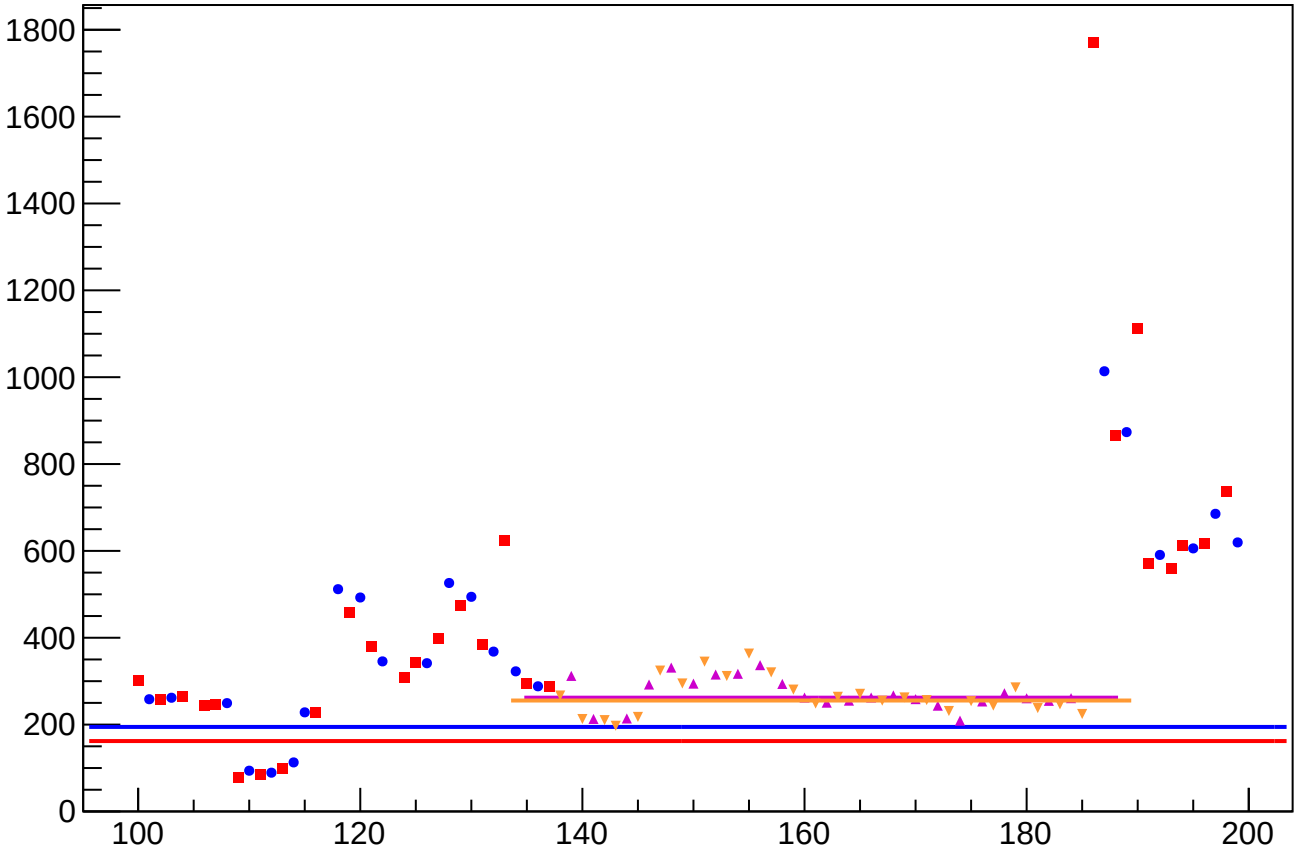
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -207.559+/-46.091 χ^2/NDF: 82.9/46

All: -114.717+/-31.841 χ^2/NDF: 142.1/96

- sign -29.961+/-44.038 χ^2/NDF: 51.4/49

asym_sam8_cor_correction_rms vs Slug



Right In: 194.647+/-0.052 χ^2/NDF: 9006705.0/21

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 162.105+/-0.044 χ^2/NDF: 11715269.2/26

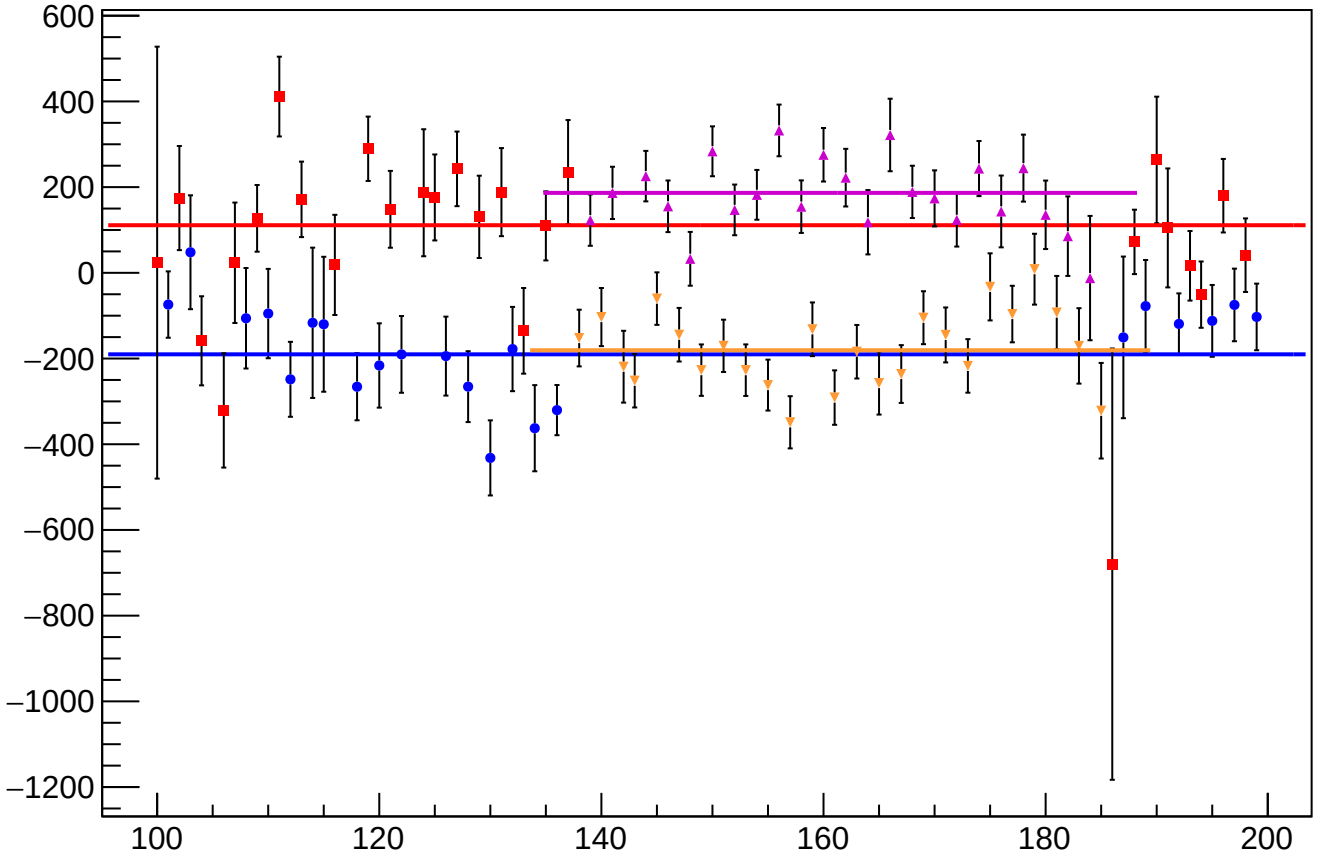
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 231.921+/-0.033 χ^2/NDF: 10696926.8/46

All: 221.872+/-0.023 χ^2/NDF: 25837363.3/96

- sign 212.698+/-0.031 χ^2/NDF: 14958566.4/49

eigen_cor_asym_sam8_mean vs Slug



Right In: -190.193+/-19.501 χ^2/NDF: 31.1/21

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 111.108+/-19.152 χ^2/NDF: 56.8/26

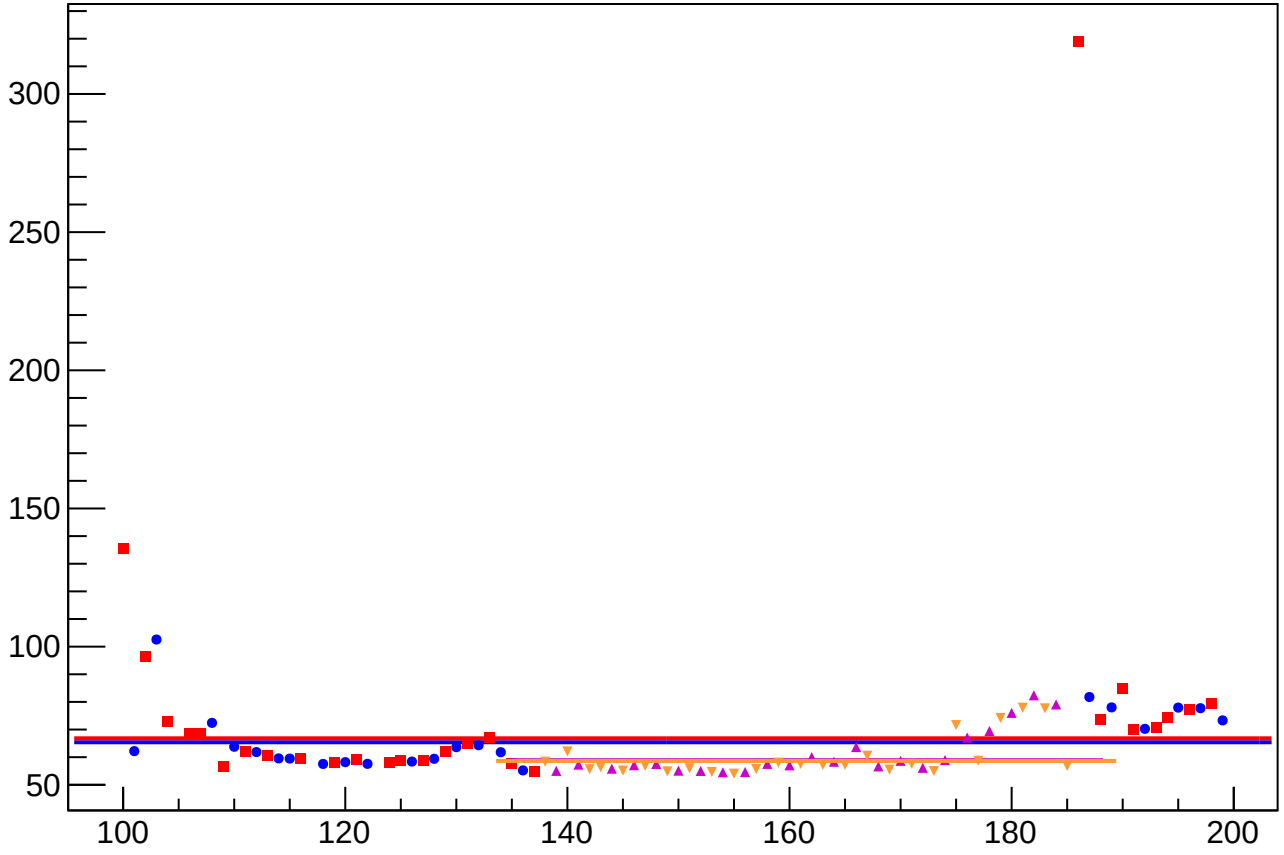
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -183.737+/-11.054 χ^2/NDF: 69.8/46

All: -14.237+/-7.877 χ^2/NDF: 643.5/96

- sign 160.632+/-11.228 χ^2/NDF: 96.0/49

eigen_cor_asym_sam8_rms vs Slug



Right In: 65.398+/-0.014 χ^2/NDF: 467695.6/21

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.829+/-0.014 χ^2/NDF: 995967.0/26

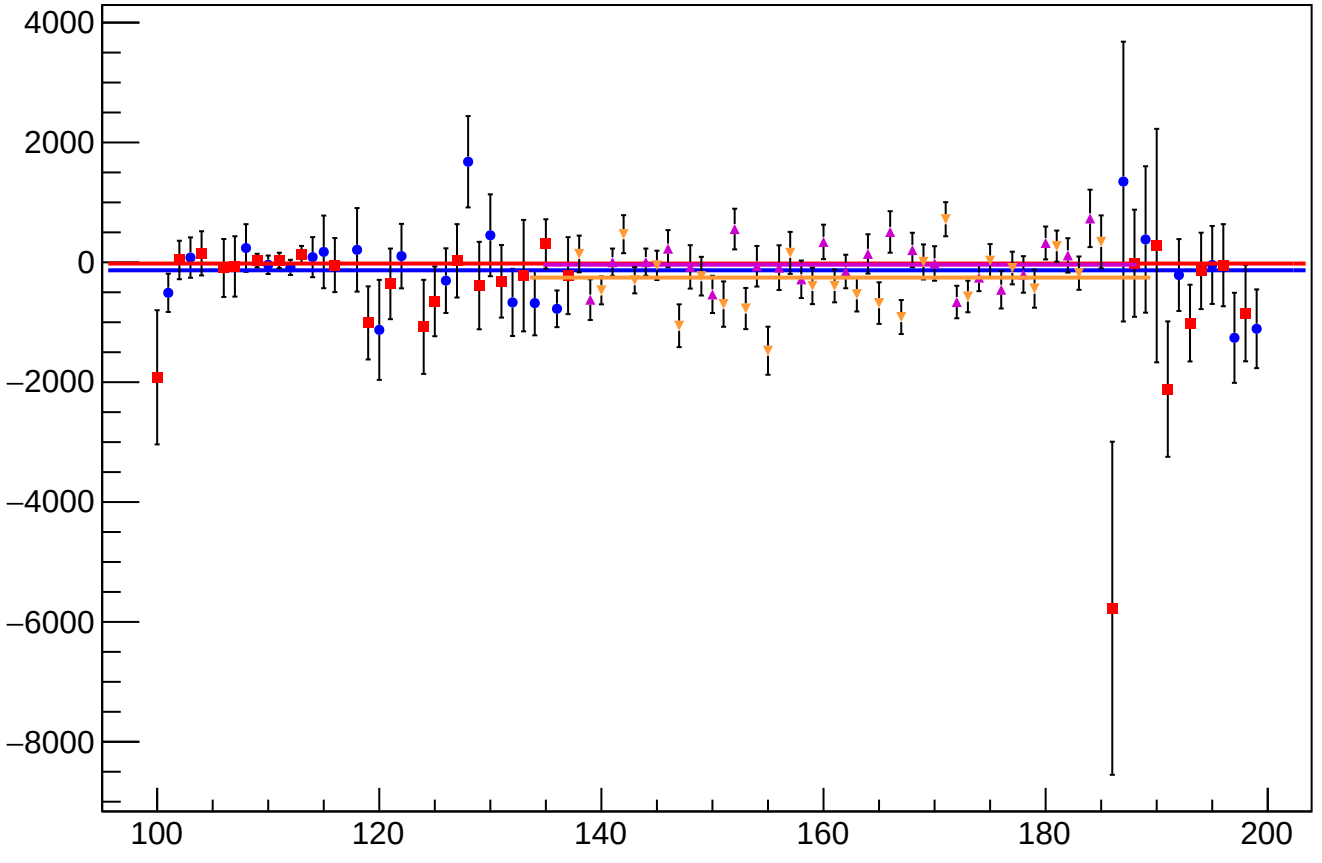
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.814+/-0.008 χ^2/NDF: 1024396.5/46

All: 61.215+/-0.006 χ^2/NDF: 2637129.5/96

- sign 61.629+/-0.008 χ^2/NDF: 1607383.9/49

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -133.057+/-74.075 χ^2/NDF: 23.6/21

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -20.538+/-62.683 χ^2/NDF: 23.0/26

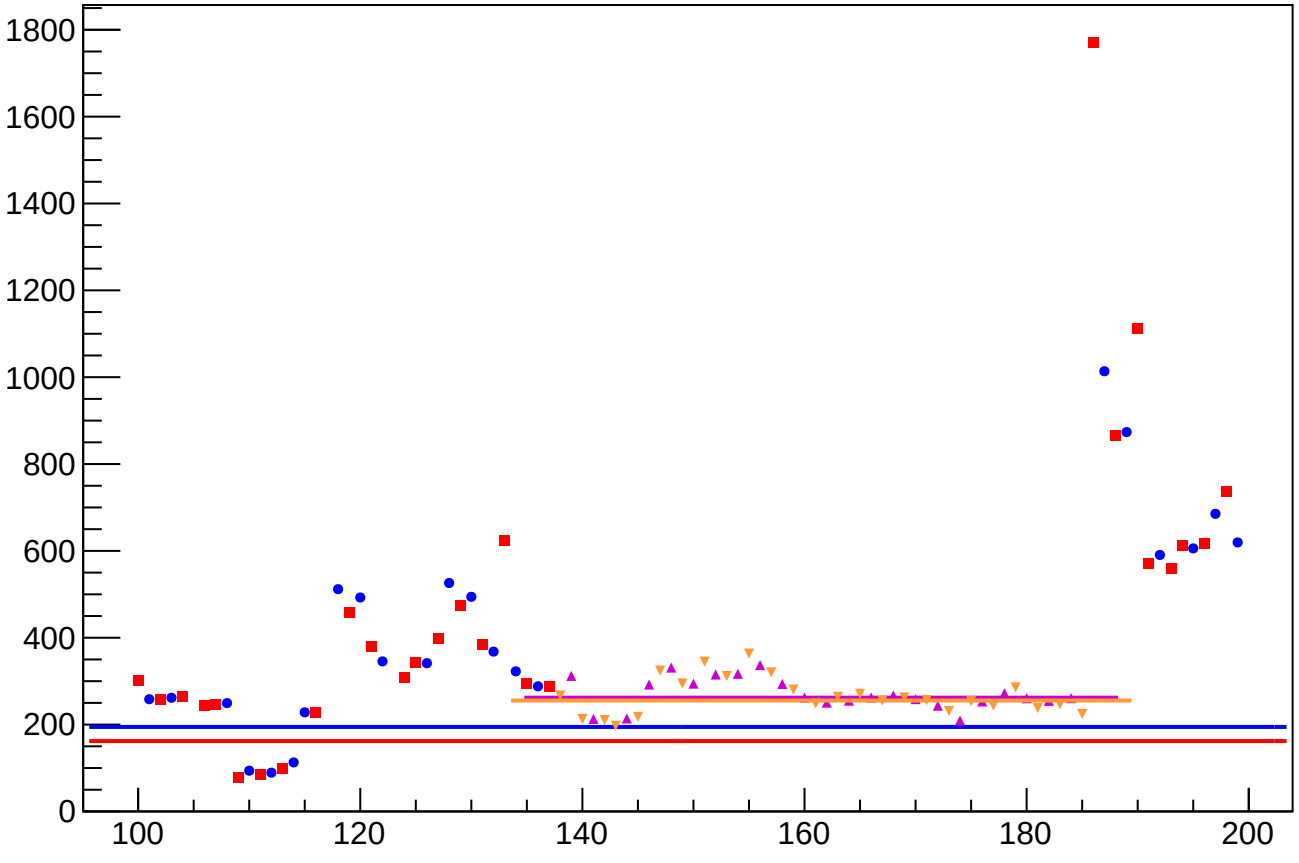
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -207.559+/-46.091 χ^2/NDF: 82.9/46

All: -114.717+/-31.841 χ^2/NDF: 142.1/96

- sign -29.961+/-44.038 χ^2/NDF: 51.4/49

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 194.647+/-0.052 χ^2/NDF: 9006705.0/21

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 162.105+/-0.044 χ^2/NDF: 11715269.2/26

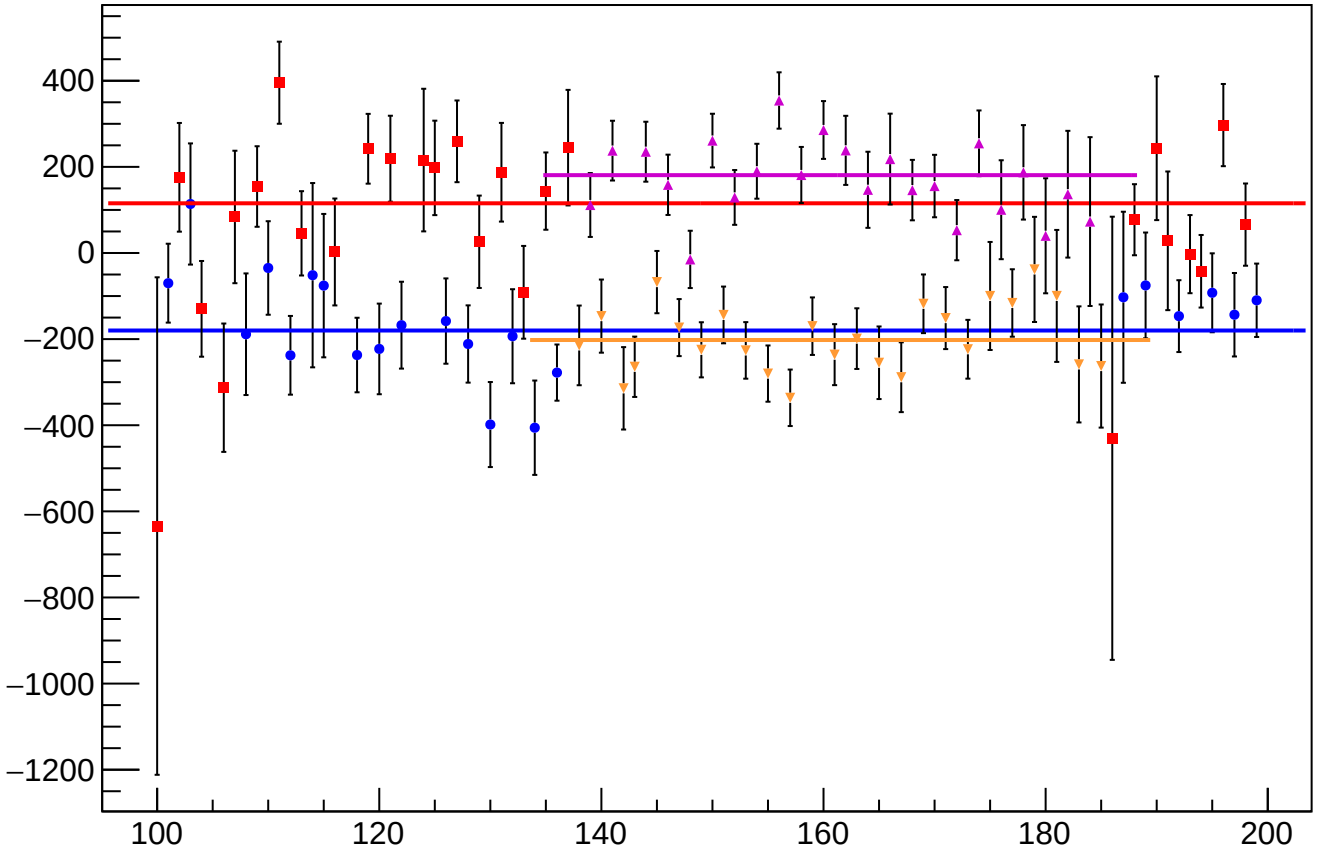
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 231.921+/-0.033 χ^2/NDF: 10696926.8/46

All: 221.872+/-0.023 χ^2/NDF: 25837363.3/96

- sign 212.698+/-0.031 χ^2/NDF: 14958566.4/49

dit_asym_sam8_mean vs Slug



Right In: -180.024+/-21.650 χ^2/NDF: 23.7/21

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 115.415+/-21.098 χ^2/NDF: 49.1/26

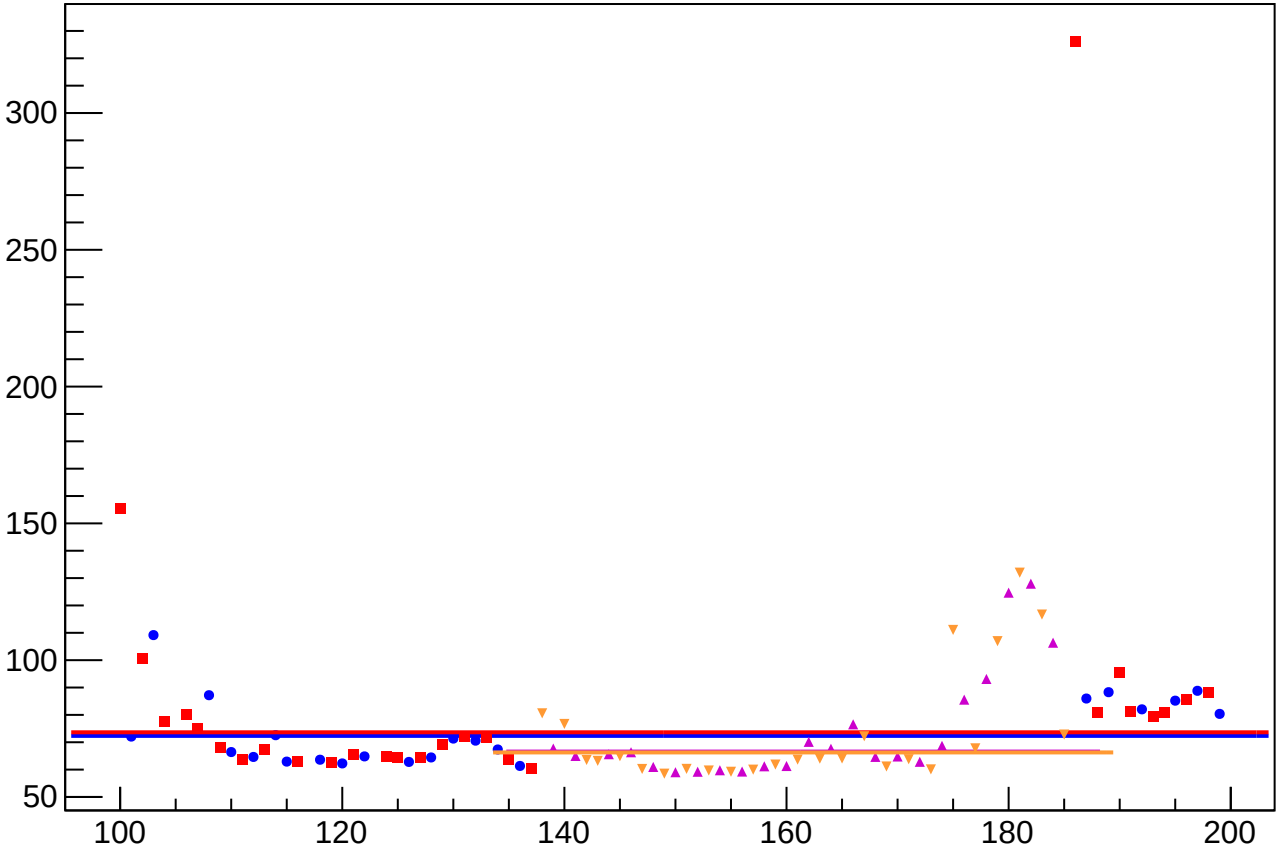
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -194.588+/-12.623 χ^2/NDF: 45.9/46

All: -20.721+/-8.973 χ^2/NDF: 514.7/96

- sign 156.879+/-12.758 χ^2/NDF: 85.3/49

dit_asym_sam8_rms vs Slug



Right In: 72.331+/-0.015 χ^2/NDF: 516241.1/21

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 73.637+/-0.015 χ^2/NDF: 961994.0/26

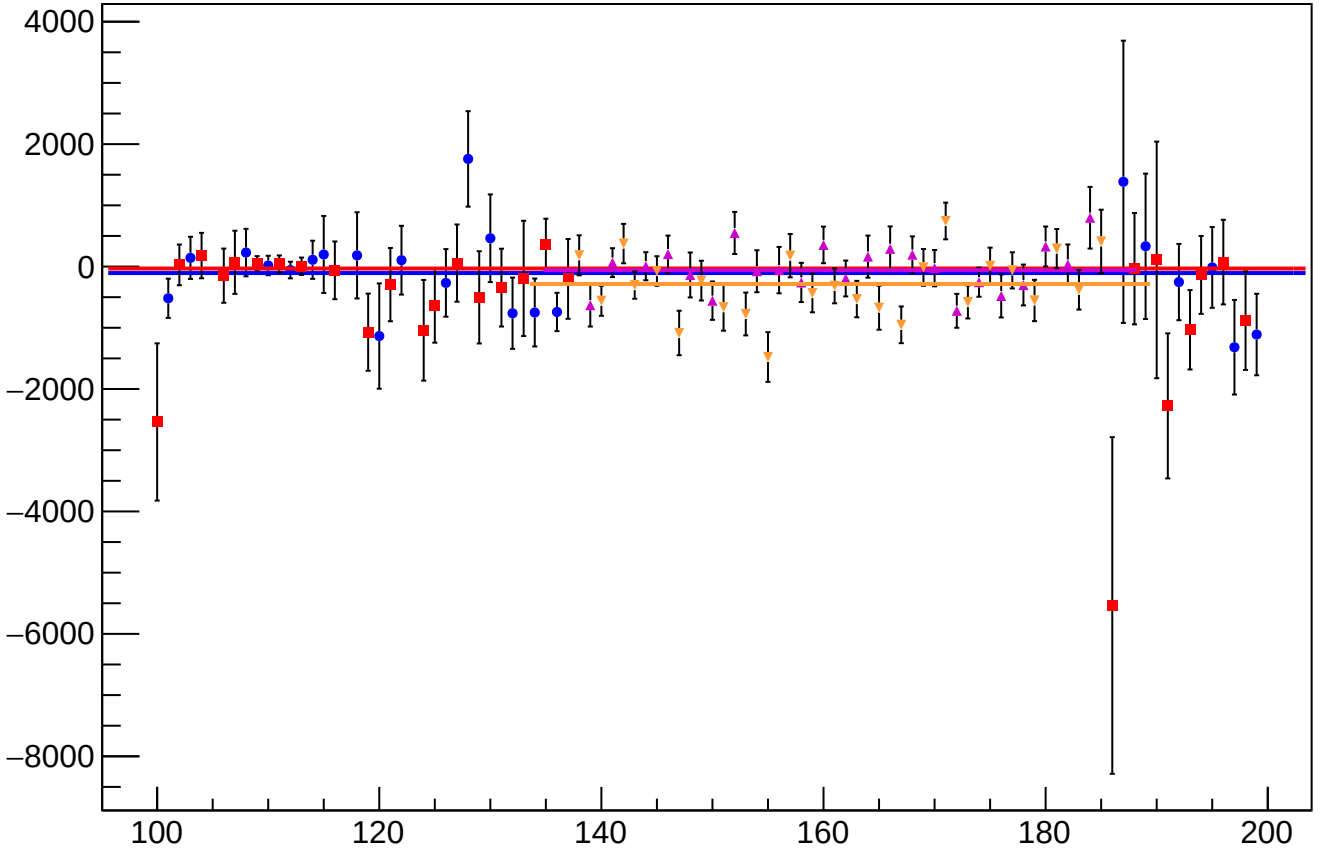
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 68.336+/-0.009 χ^2/NDF: 2013272.7/46

All: 68.746+/-0.006 χ^2/NDF: 4279474.7/96

- sign 69.164+/-0.009 χ^2/NDF: 2261950.4/49

asym_sam8_dit_correction_mean vs Slug



Right In: -106.195+/-76.414 χ^2/NDF: 24.7/21

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -32.197+/-64.416 χ^2/NDF: 23.3/26

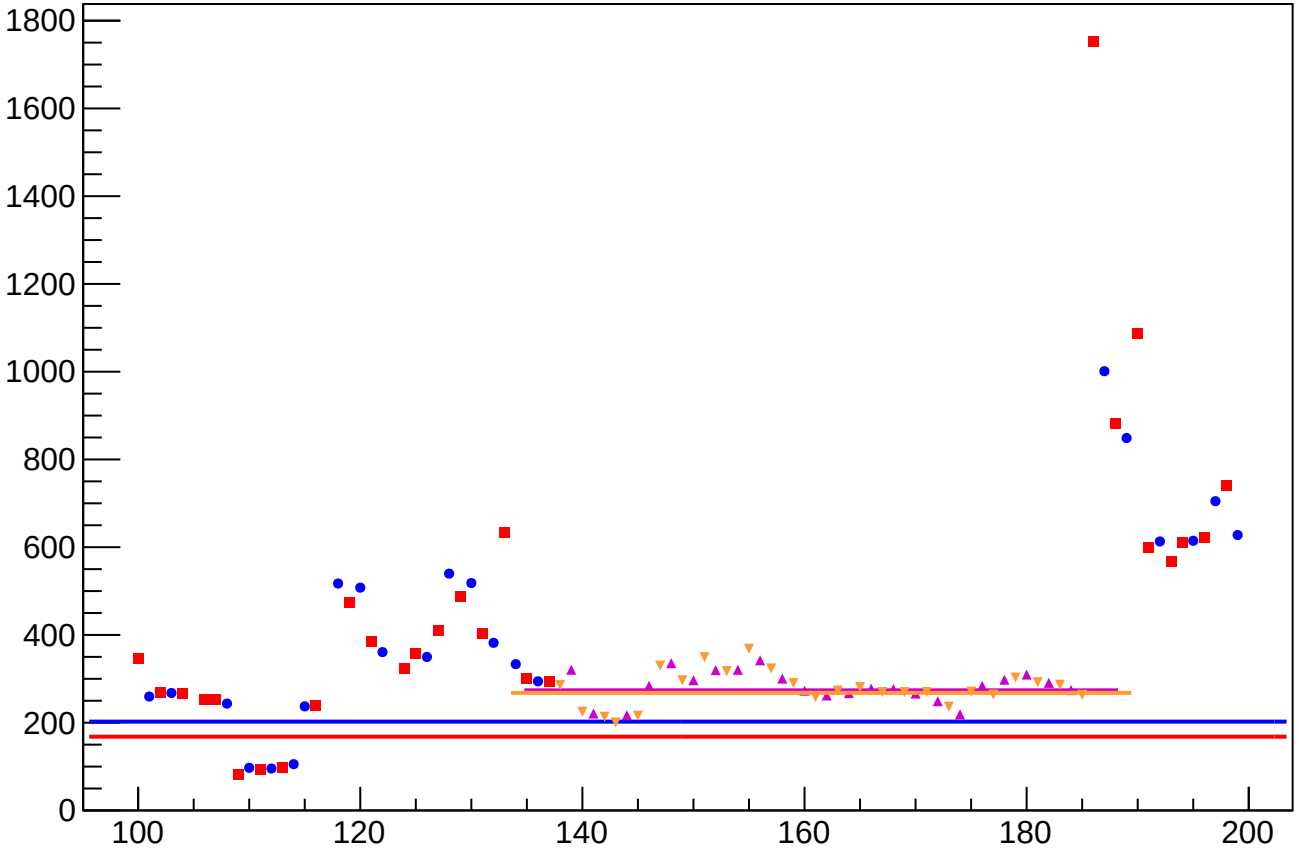
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -214.062+/-48.018 χ^2/NDF: 82.6/46

All: -125.550+/-33.076 χ^2/NDF: 139.3/96

- sign -45.632+/-45.627 χ^2/NDF: 50.3/49

asym_sam8_dit_correction_rms vs Slug



Right In: 202.433+/-0.054 χ^2/NDF: 8815730.3/21

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 168.167+/-0.046 χ^2/NDF: 11605283.2/26

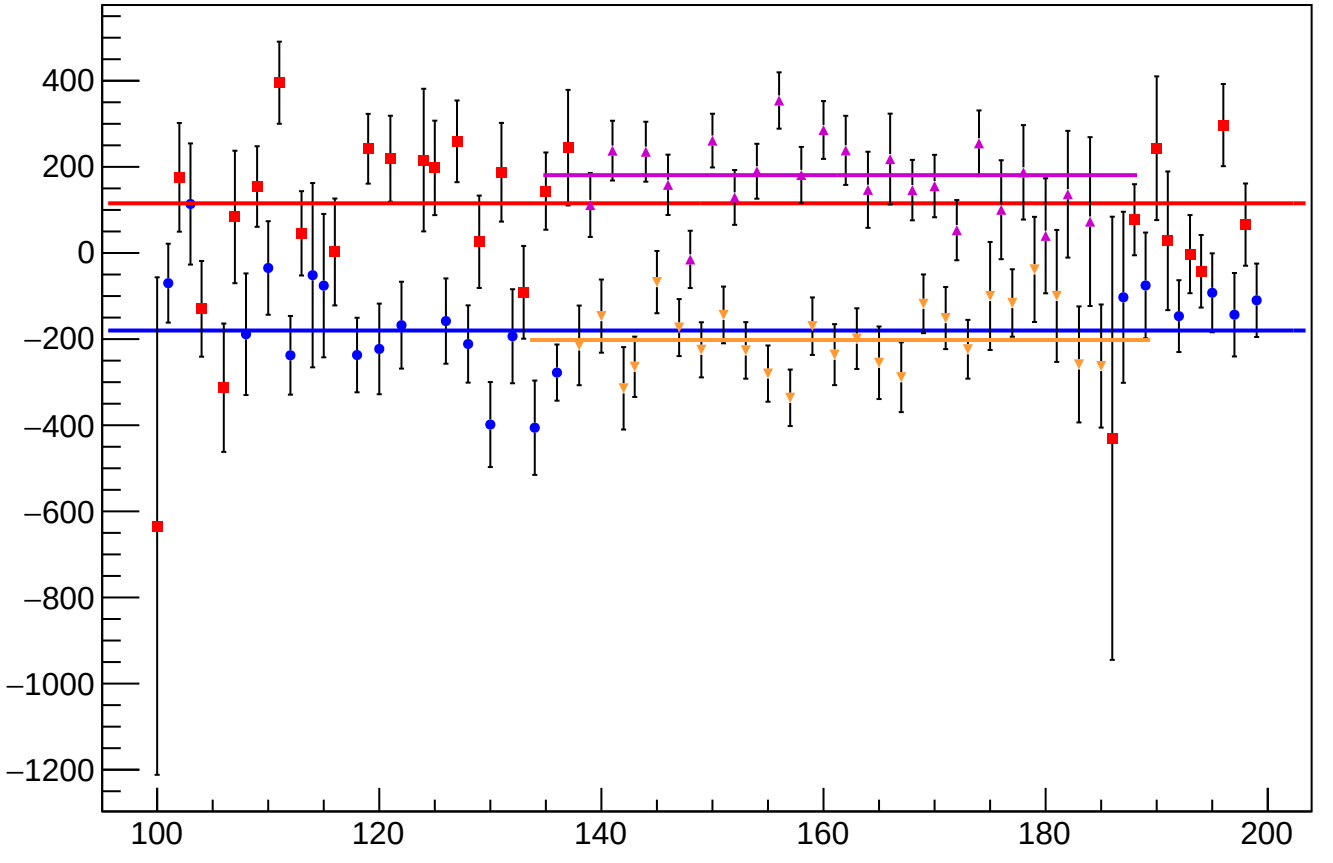
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 242.101+/-0.034 χ^2/NDF: 10569167.7/46

All: 230.896+/-0.023 χ^2/NDF: 25709432.3/96

- sign 220.779+/-0.032 χ^2/NDF: 14933026.6/49

eigen_dit_asym_sam8_mean vs Slug



Right In: -180.024+/-21.650 χ^2/NDF: 23.7/21

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 115.416+/-21.097 χ^2/NDF: 49.1/26

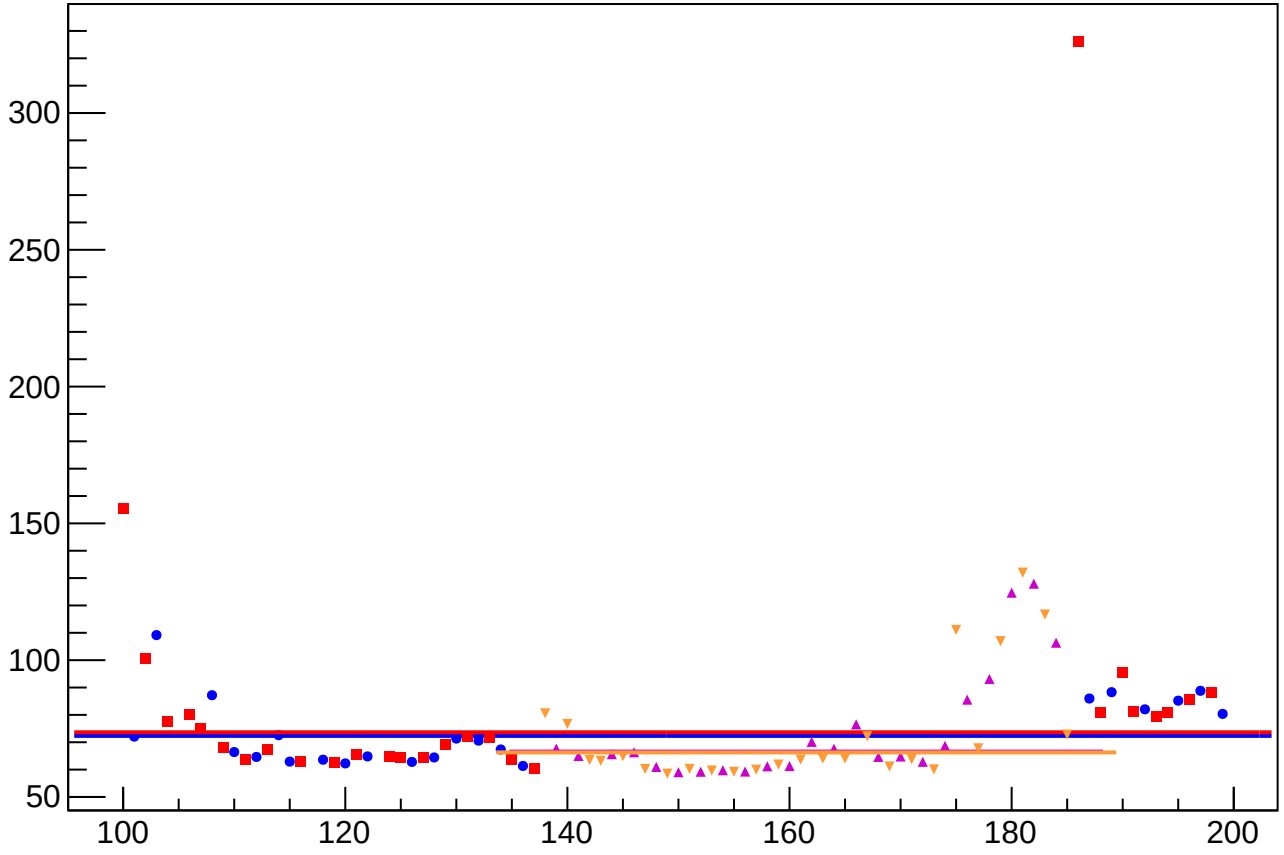
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -194.588+/-12.623 χ^2/NDF: 45.9/46

All: -20.720+/-8.973 χ^2/NDF: 514.7/96

- sign 156.880+/-12.758 χ^2/NDF: 85.3/49

eigen_dit_asym_sam8_rms vs Slug



Right In: 72.331+/-0.015 χ^2/NDF: 516243.9/21

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 73.637+/-0.015 χ^2/NDF: 961998.1/26

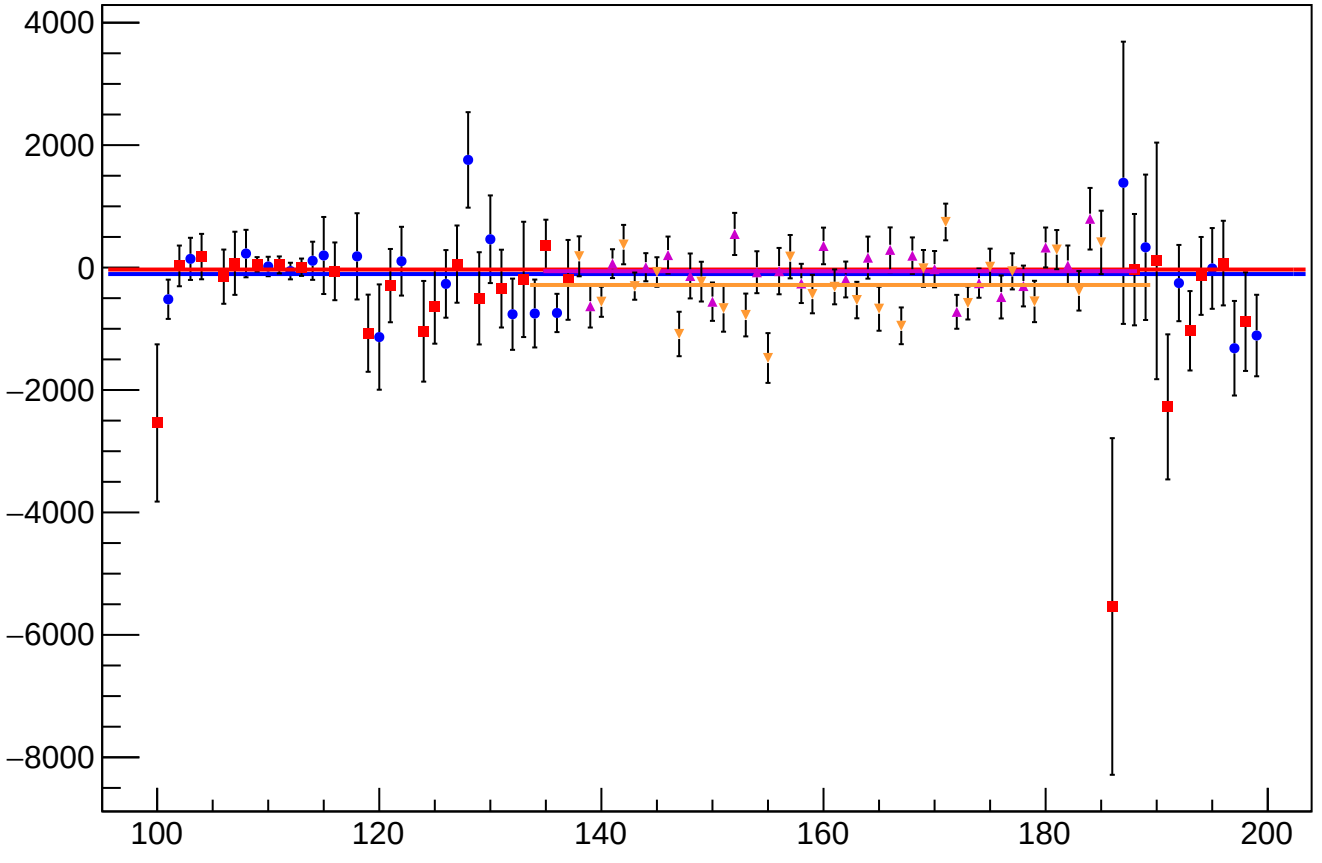
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 68.336+/-0.009 χ^2/NDF: 2013271.5/46

All: 68.746+/-0.006 χ^2/NDF: 4279461.6/96

- sign 69.164+/-0.009 χ^2/NDF: 2261938.6/49

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -106.193+/-76.414 χ^2/NDF: 24.7/21

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -32.195+/-64.416 χ^2/NDF: 23.3/26

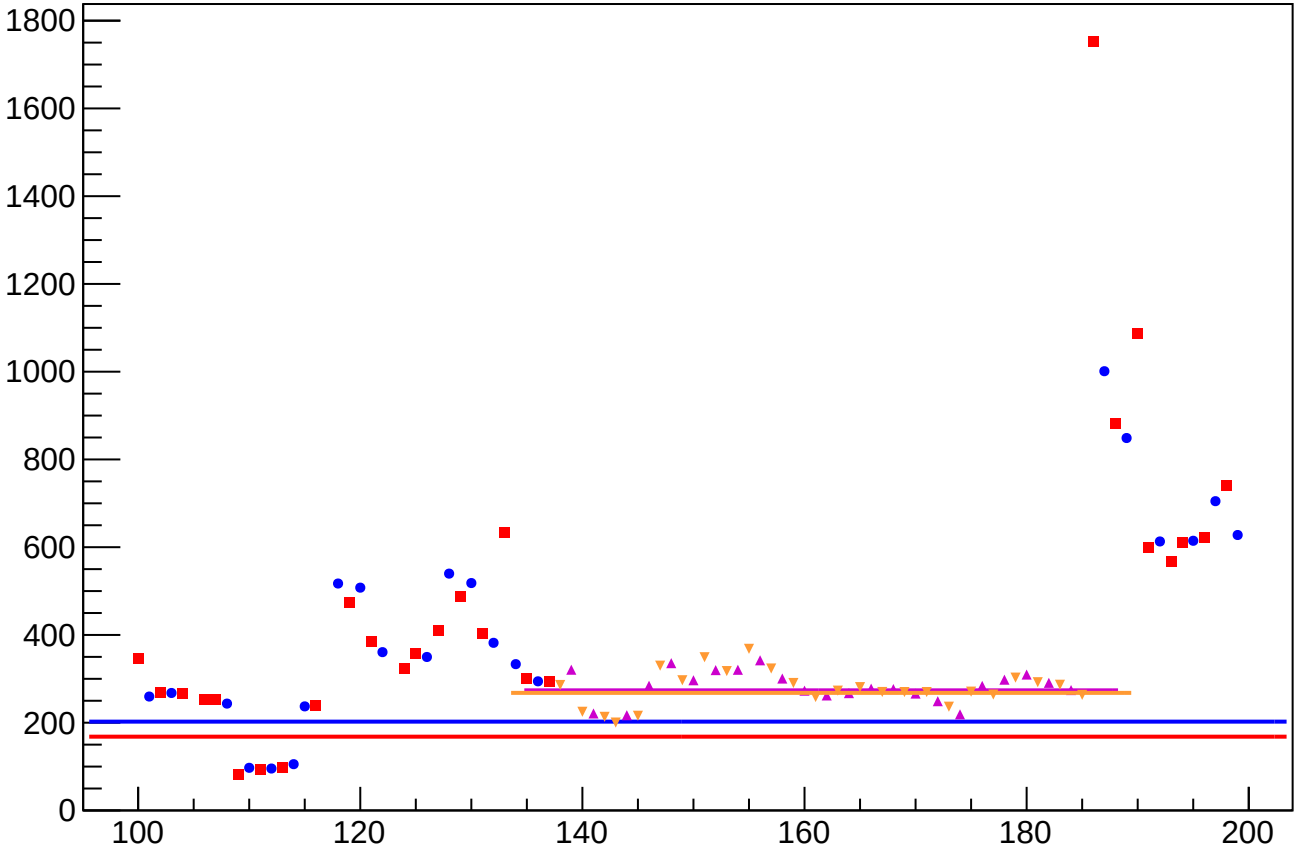
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -214.061+/-48.018 χ^2/NDF: 82.6/46

All: -125.549+/-33.076 χ^2/NDF: 139.3/96

- sign -45.632+/-45.627 χ^2/NDF: 50.3/49

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 202.431+/-0.054 χ^2/NDF: 8815772.2/21

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 168.167+/-0.046 χ^2/NDF: 11605263.6/26

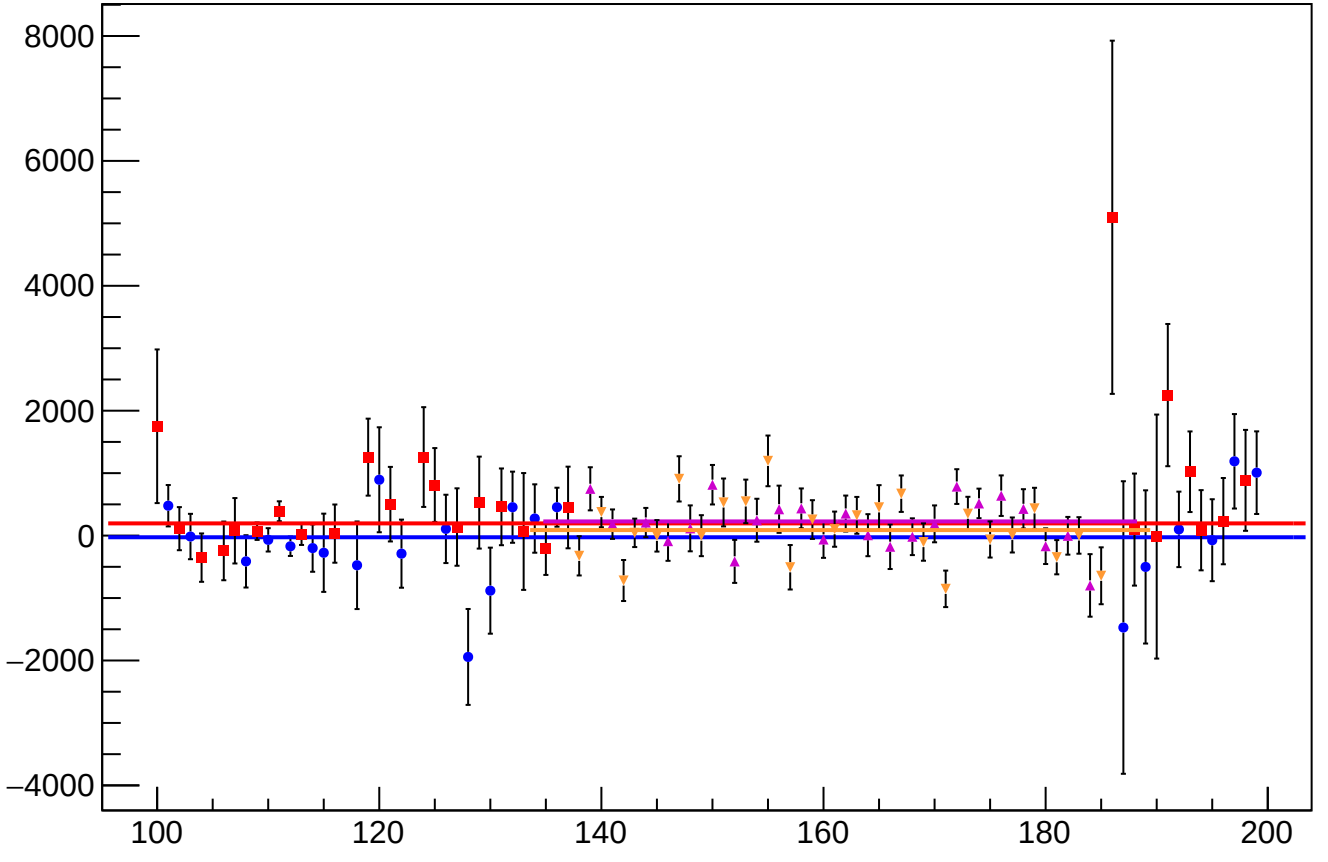
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 242.099+/-0.034 χ^2/NDF: 10569246.2/46

All: 230.895+/-0.023 χ^2/NDF: 25709472.8/96

- sign 220.778+/-0.032 χ^2/NDF: 14932999.9/49

asym_sam8_mean vs Slug



Right In: -26.673+/-83.802 χ^2/NDF: 23.1/21

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 195.417+/-72.442 χ^2/NDF: 24.3/26

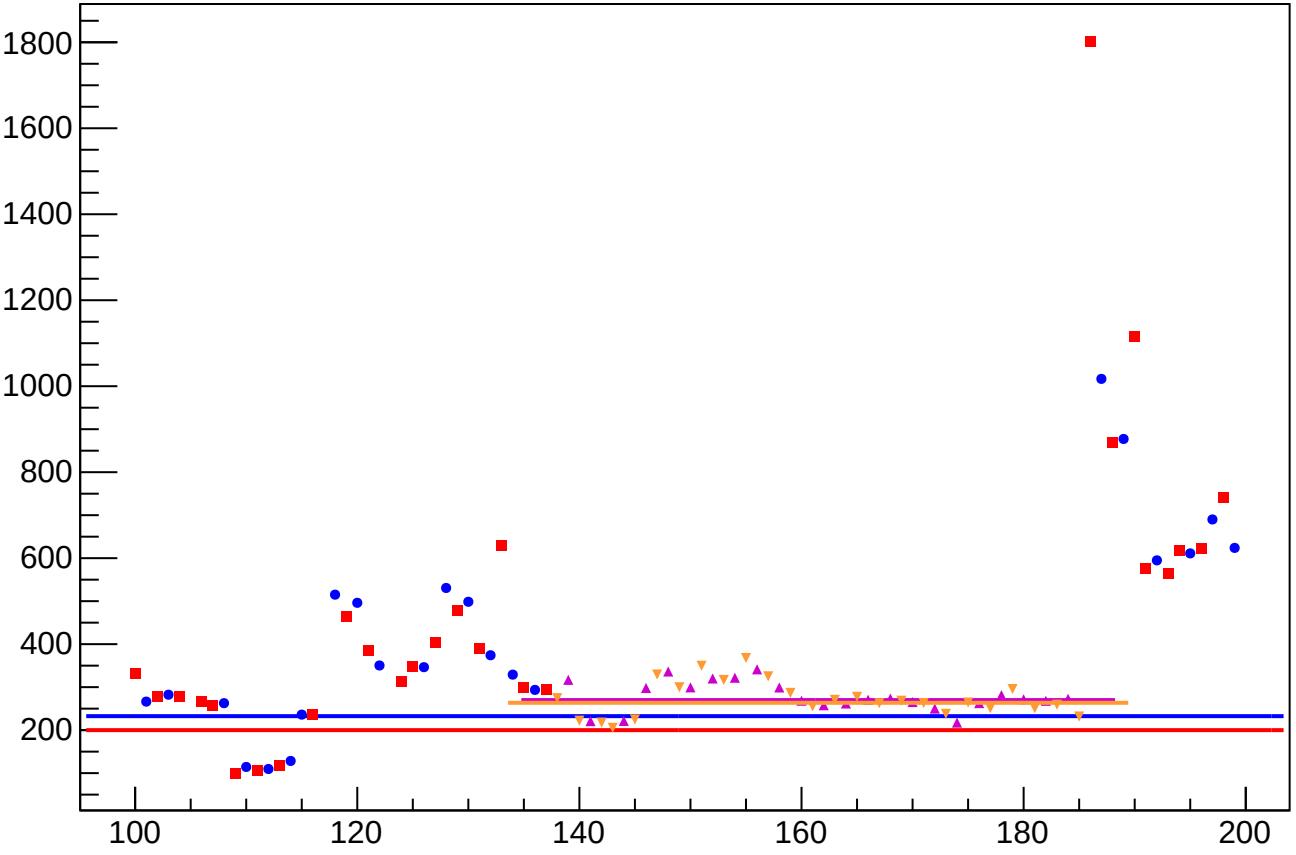
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 48.829+/-49.141 χ^2/NDF: 76.6/46

All: 133.221+/-34.274 χ^2/NDF: 135.6/96

- sign 213.159+/-47.827 χ^2/NDF: 53.2/49

asym_sam8_rms vs Slug



Right In: 232.537+/-0.059 χ^2/NDF: 7424405.9/21

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 199.983+/-0.051 χ^2/NDF: 10030401.1/26

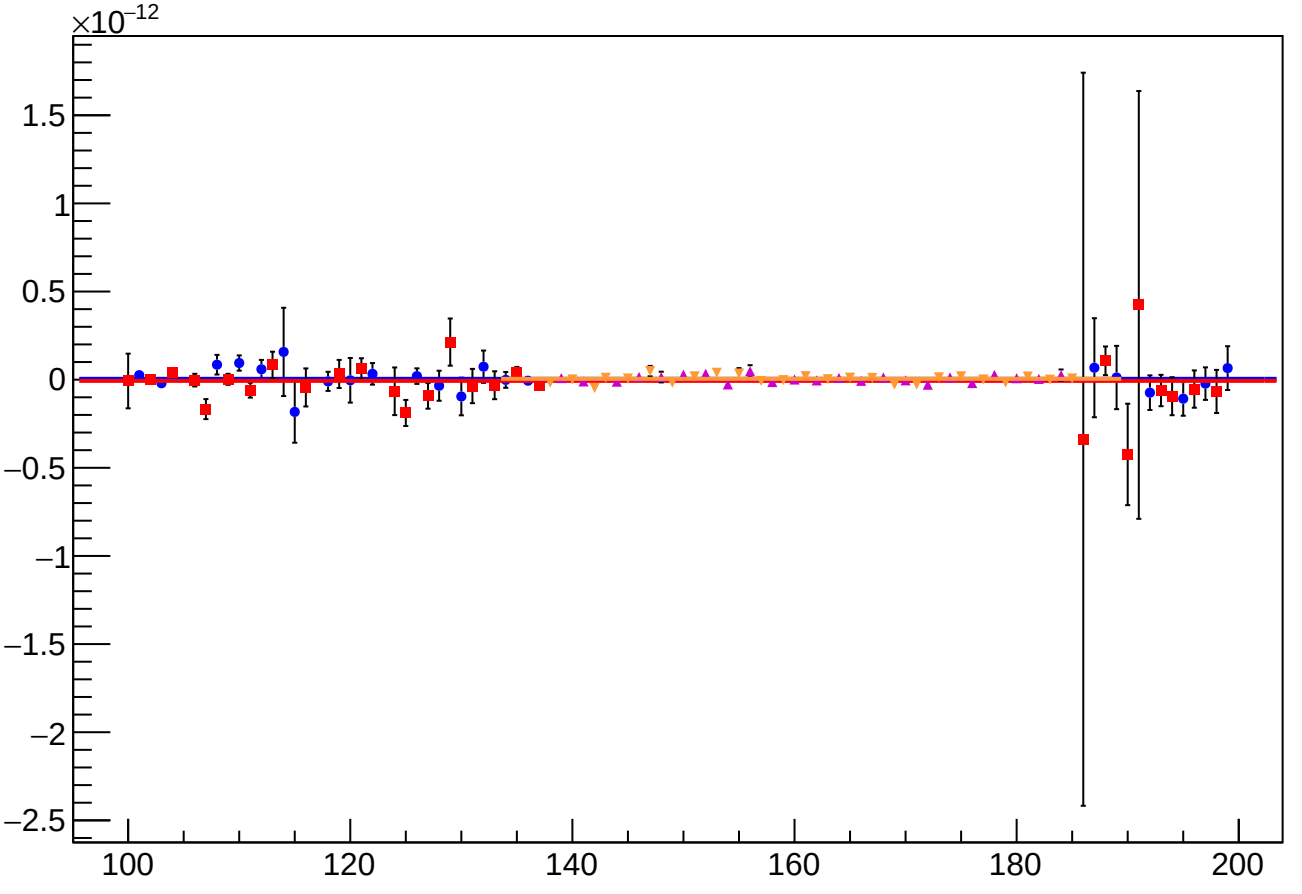
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 252.914+/-0.035 χ^2/NDF: 8384476.3/46

All: 245.986+/-0.024 χ^2/NDF: 20145432.3/96

- sign 239.424+/-0.034 χ^2/NDF: 11683550.8/49

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

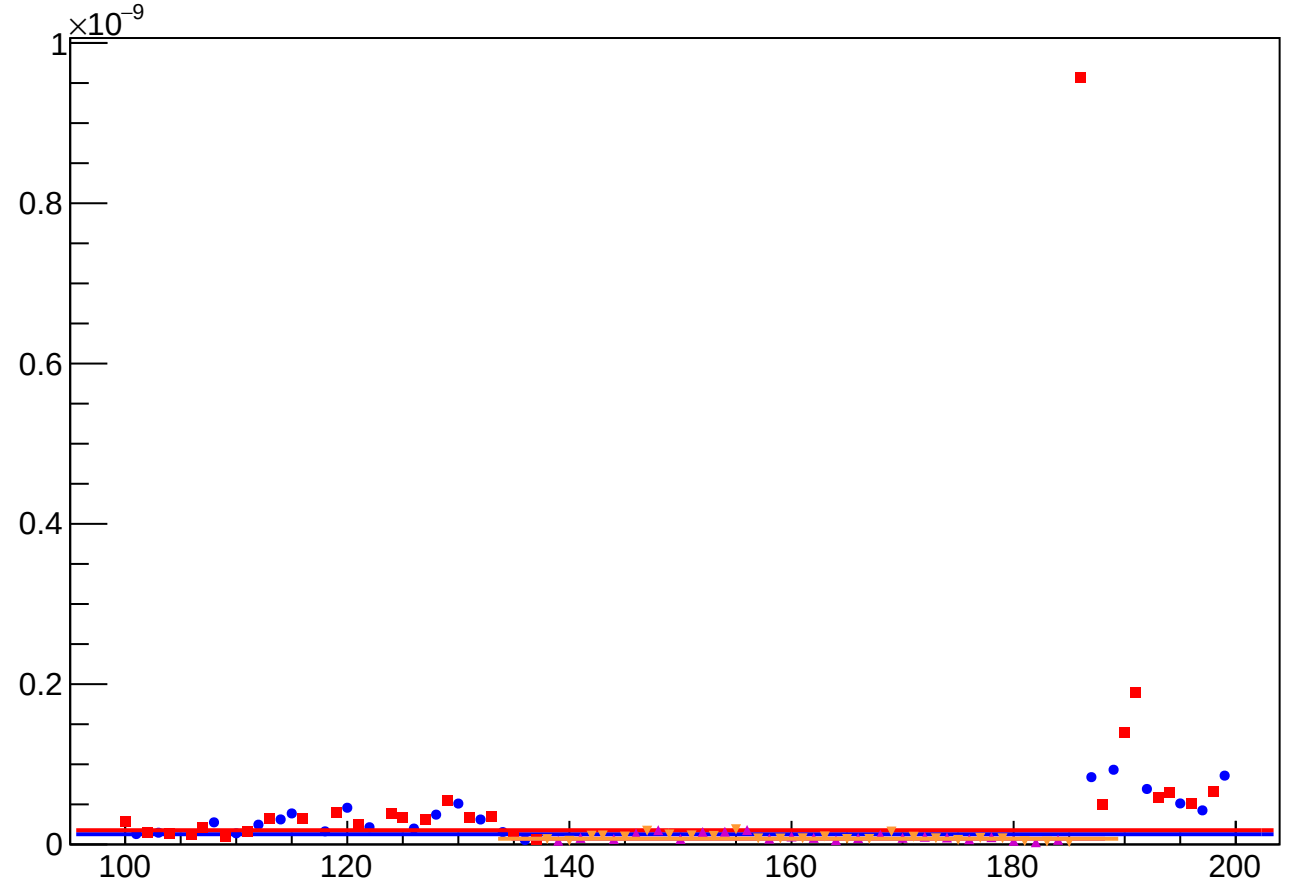
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/26

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/46

All: 0.000+/-0.000 χ^2/NDF: 103.1/96

- sign 0.000+/-0.000 χ^2/NDF: 58.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 4259052.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

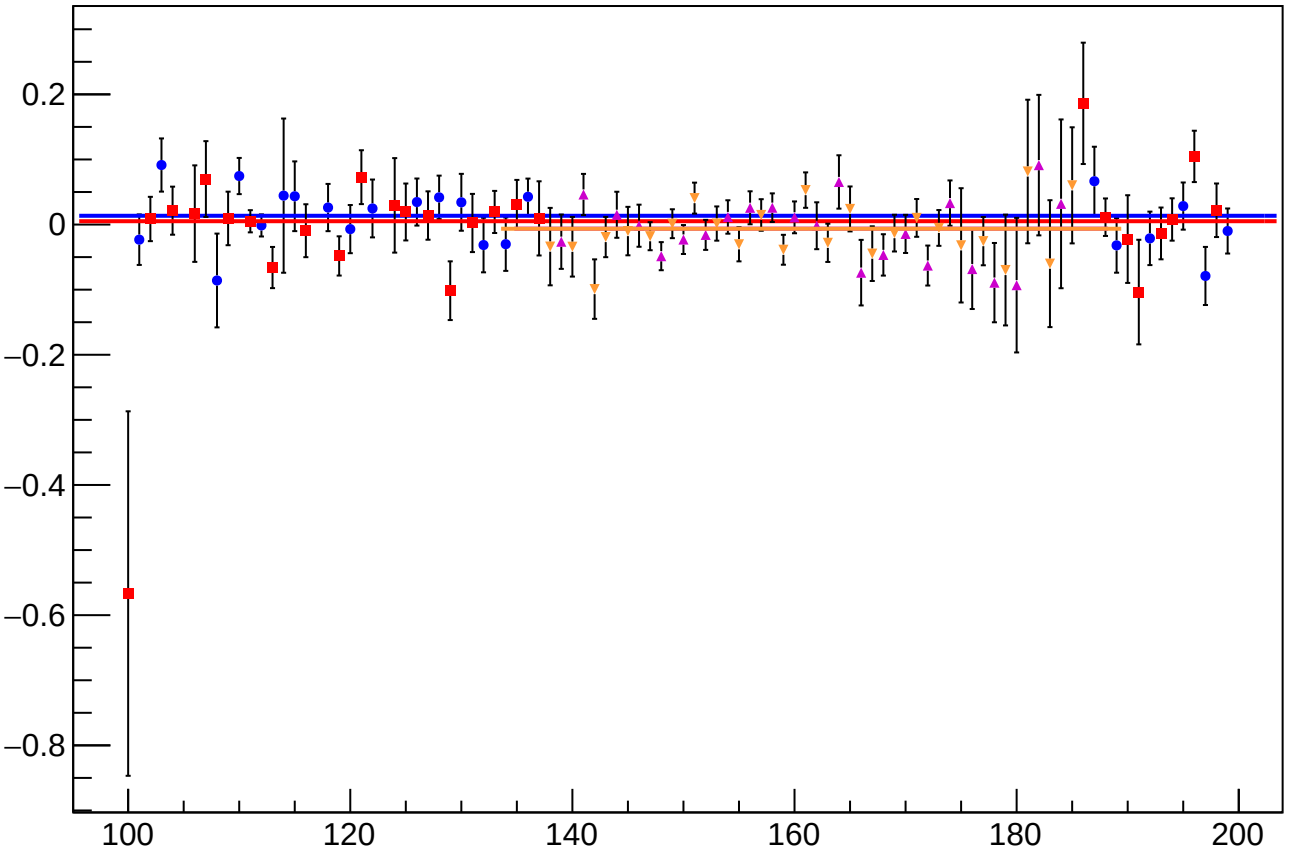
Right Out: 0.000+/-0.000 χ^2/NDF: 3969817.0/26

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7053883.0/46

All: 0.000+/-0.000 χ^2/NDF: 15186290.2/96

- sign 0.000+/-0.000 χ^2/NDF: 8125867.2/49



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.007 χ^2/NDF: 35.8/26

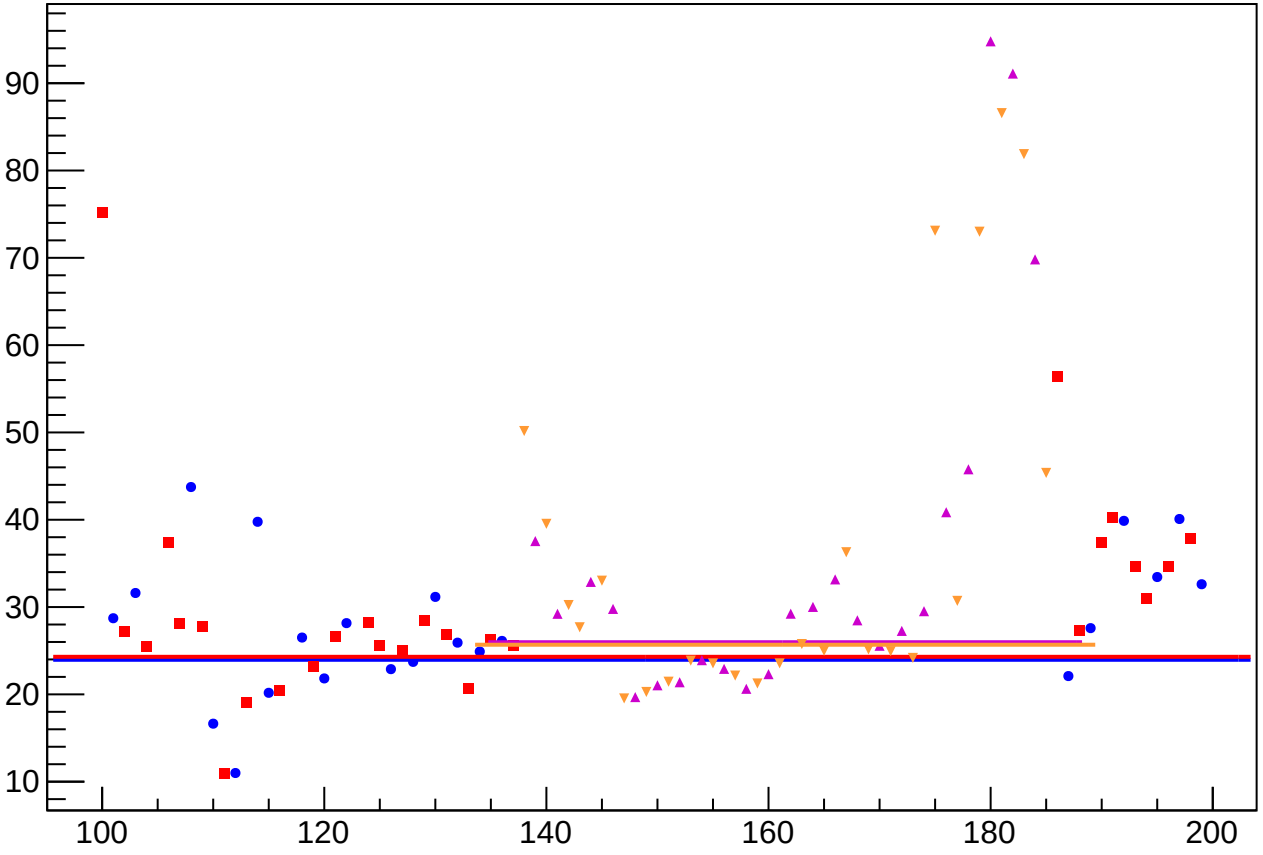
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.9/46

All: 0.000+/-0.003 χ^2/NDF: 117.6/96

- sign -0.001+/-0.005 χ^2/NDF: 65.5/49

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 23.961+/-0.005 χ^2/NDF: 2549541.8/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

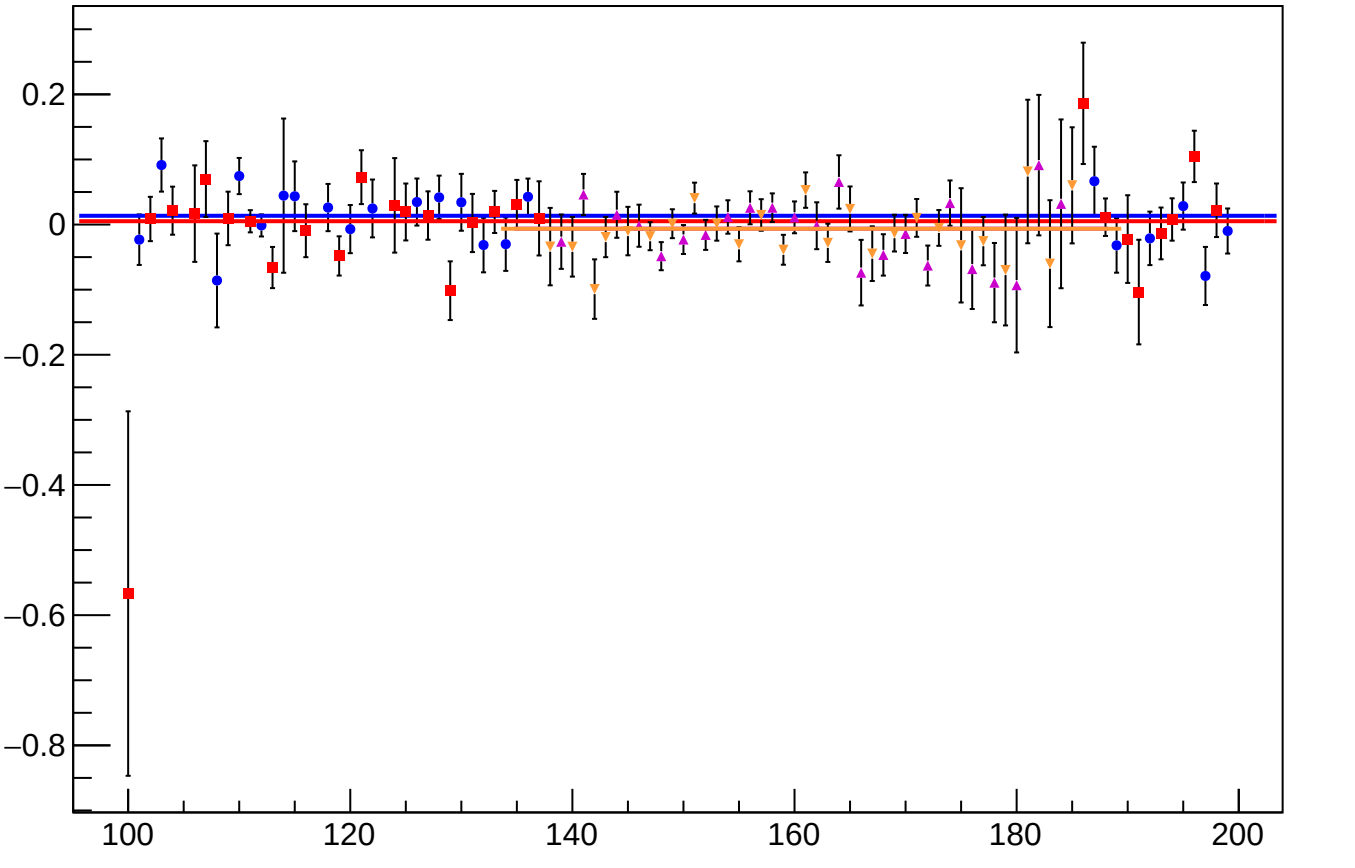
Right Out: 24.301+/-0.005 χ^2/NDF: 2535471.3/26

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.981+/-0.003 χ^2/NDF: 6480410.9/46

All: 25.104+/-0.002 χ^2/NDF: 12193398.5/96

- sign 25.227+/-0.003 χ^2/NDF: 5710503.4/49



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.007 χ^2/NDF: 35.8/26

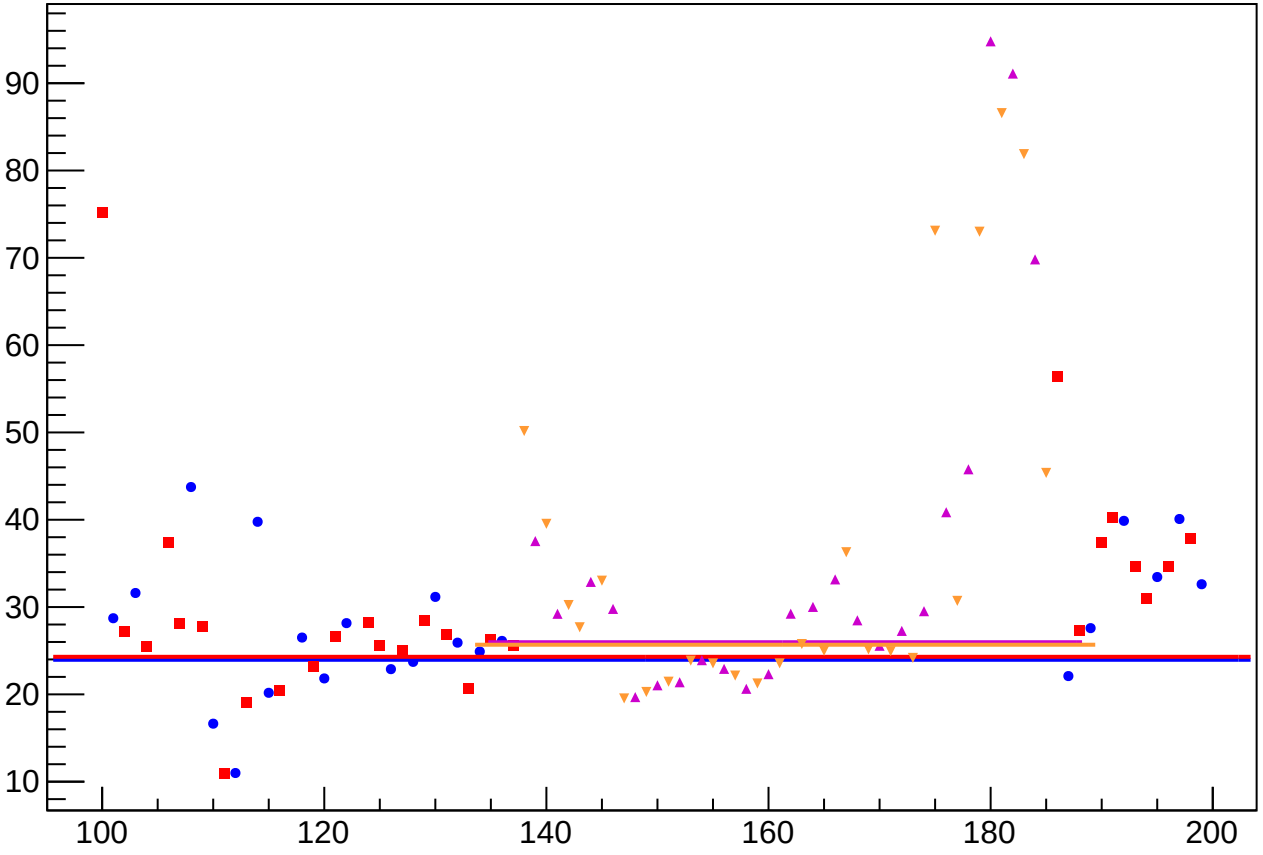
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.9/46

All: 0.000+/-0.003 χ^2/NDF: 117.6/96

- sign -0.001+/-0.005 χ^2/NDF: 65.5/49

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.961+/-0.005 χ^2/NDF: 2549541.8/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

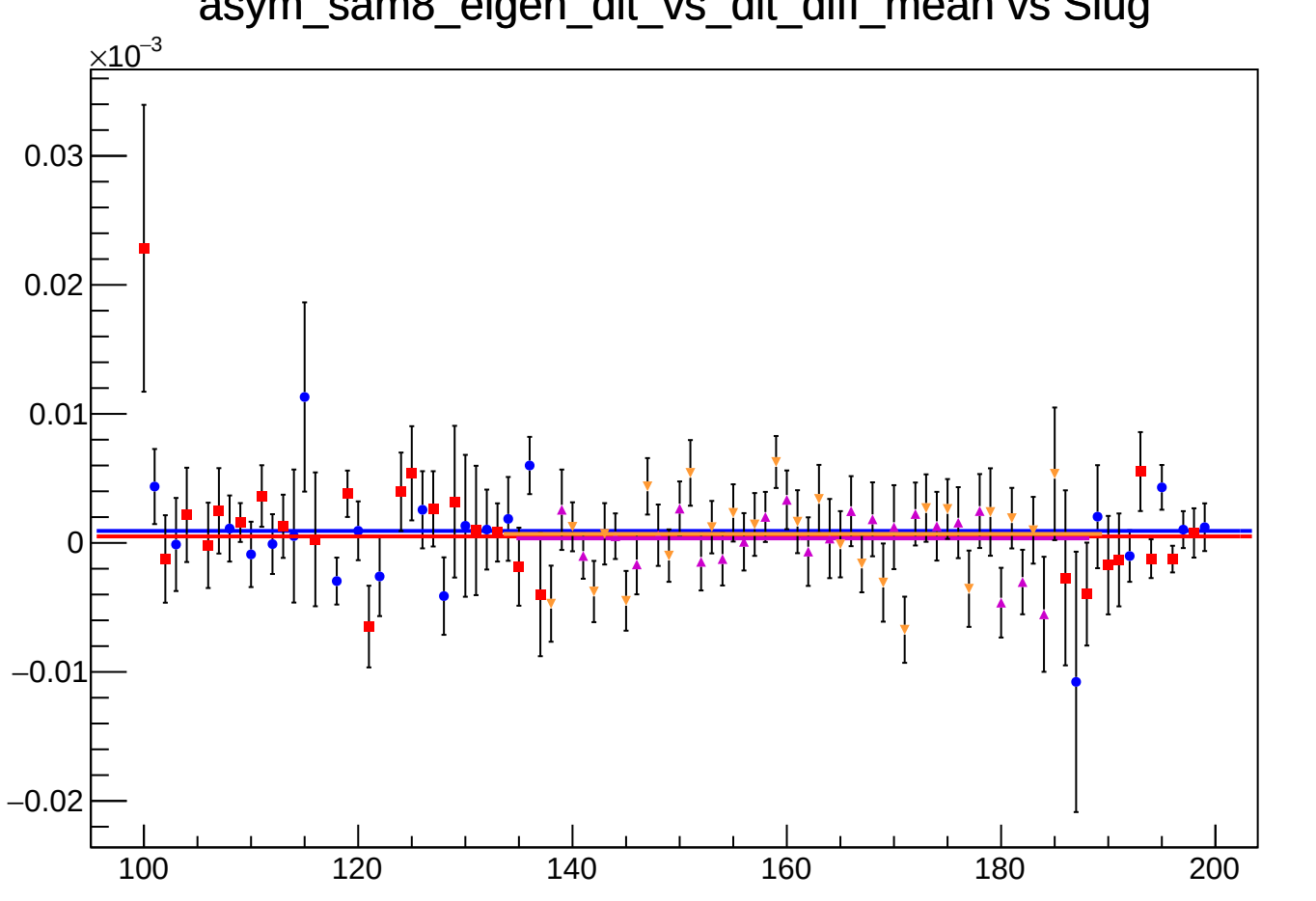
Right Out: 24.301+/-0.005 χ^2/NDF: 2535471.3/26

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.981+/-0.003 χ^2/NDF: 6480410.9/46

All: 25.104+/-0.002 χ^2/NDF: 12193398.5/96

- sign 25.227+/-0.003 χ^2/NDF: 5710503.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/26

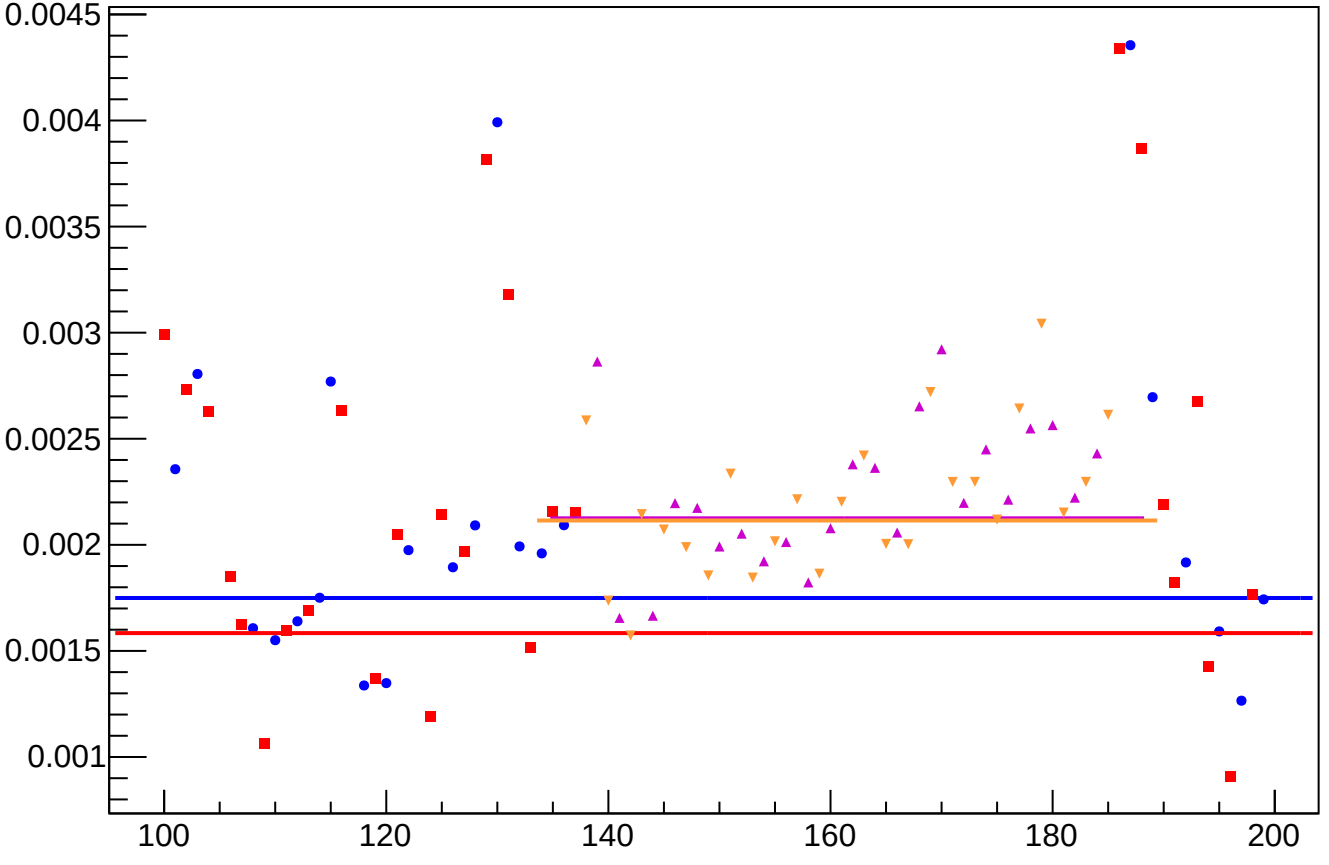
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.2/46

All: 0.000+/-0.000 χ^2/NDF: 116.0/96

- 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: 1432518.6/21

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3738823.7/26

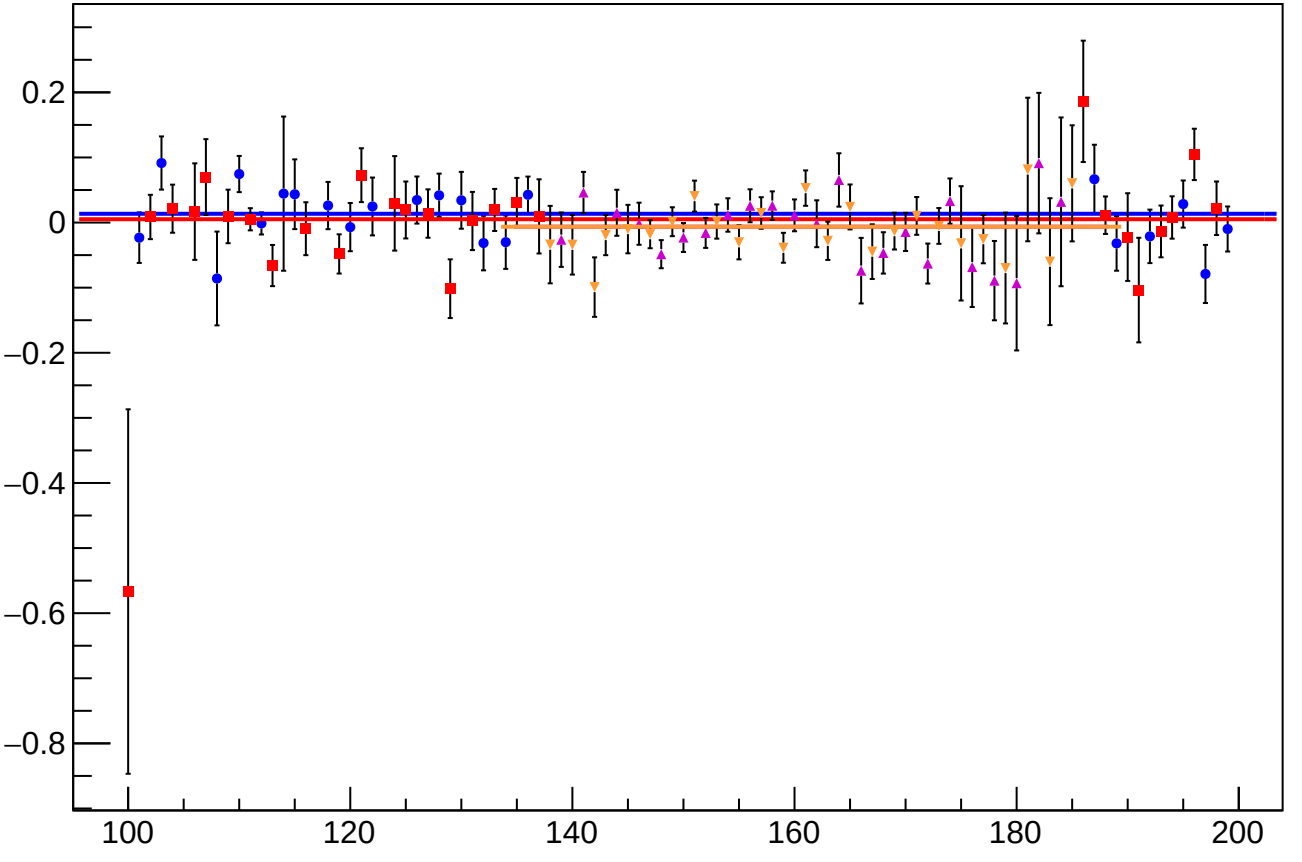
Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 2682066.9/46

All: 0.002+/-0.000 χ^2/NDF: 8554190.1/96

- sign 0.002+/-0.000 χ^2/NDF: 5779910.3/49

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.007 χ^2/NDF: 35.8/26

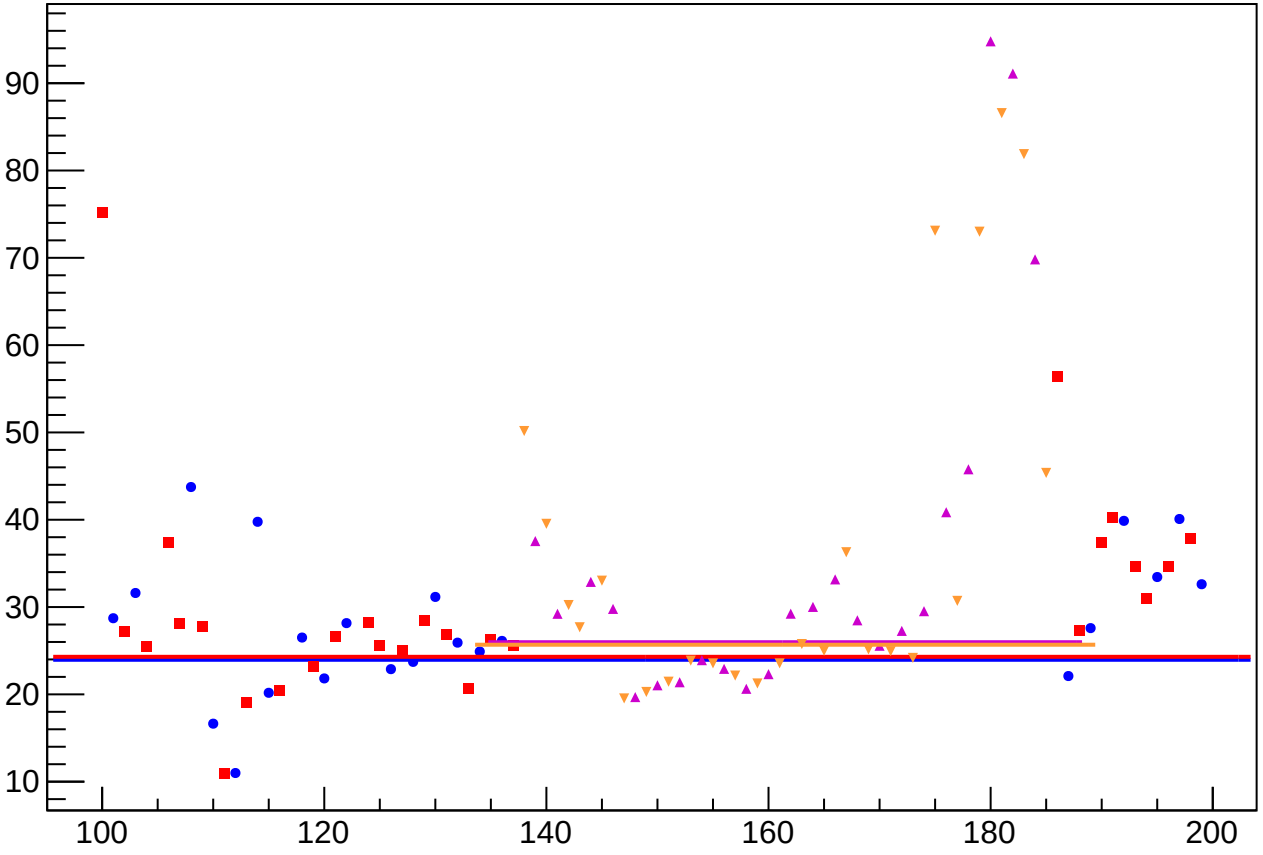
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.9/46

All: 0.000+/-0.003 χ^2/NDF: 117.6/96

- sign -0.001+/-0.005 χ^2/NDF: 65.5/49

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.961+/-0.005 χ^2/NDF: 2549759.4/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

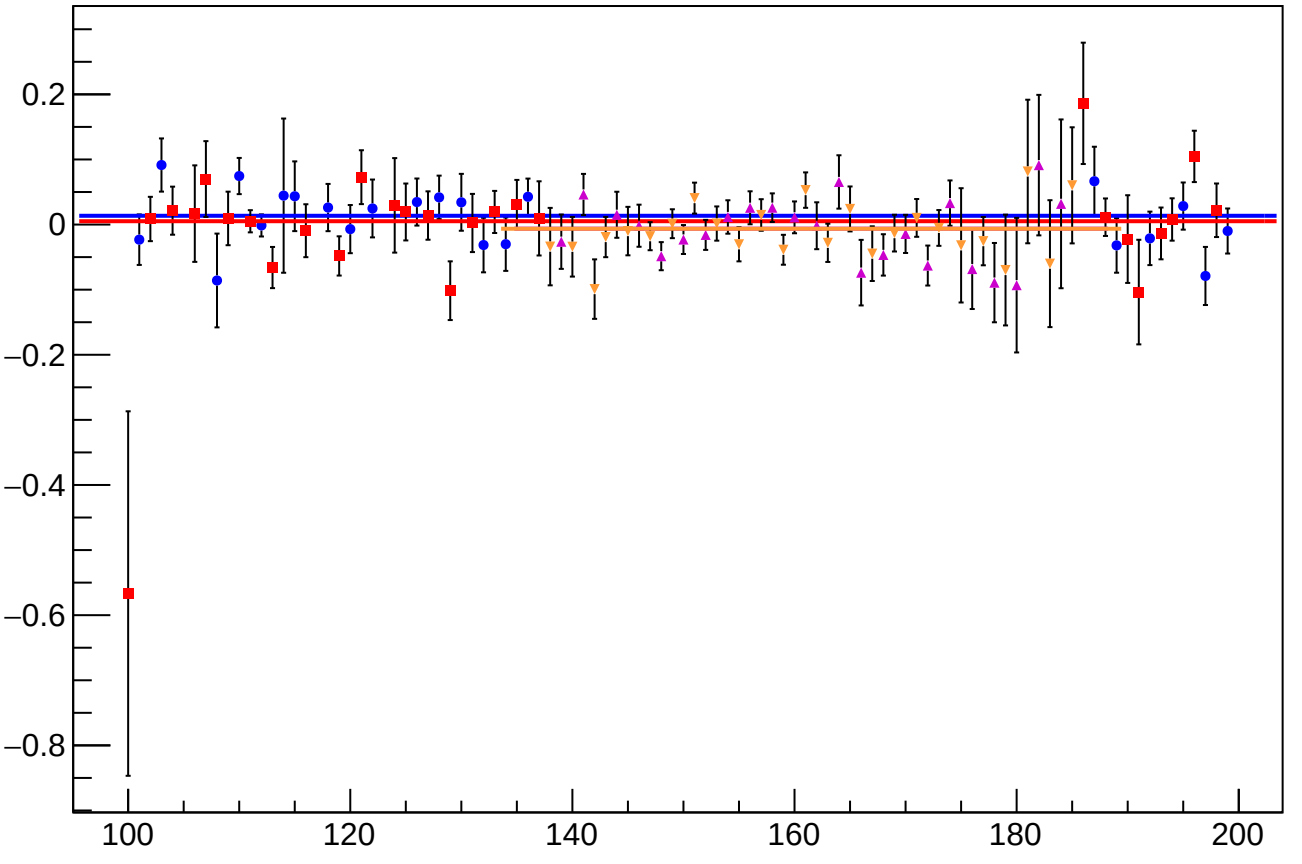
Right Out: 24.300+/-0.005 χ^2/NDF: 2535682.6/26

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.981+/-0.003 χ^2/NDF: 6480678.0/46

All: 25.103+/-0.002 χ^2/NDF: 12193910.0/96

- sign 25.226+/-0.003 χ^2/NDF: 5710748.7/49



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.007 χ^2/NDF: 35.8/26

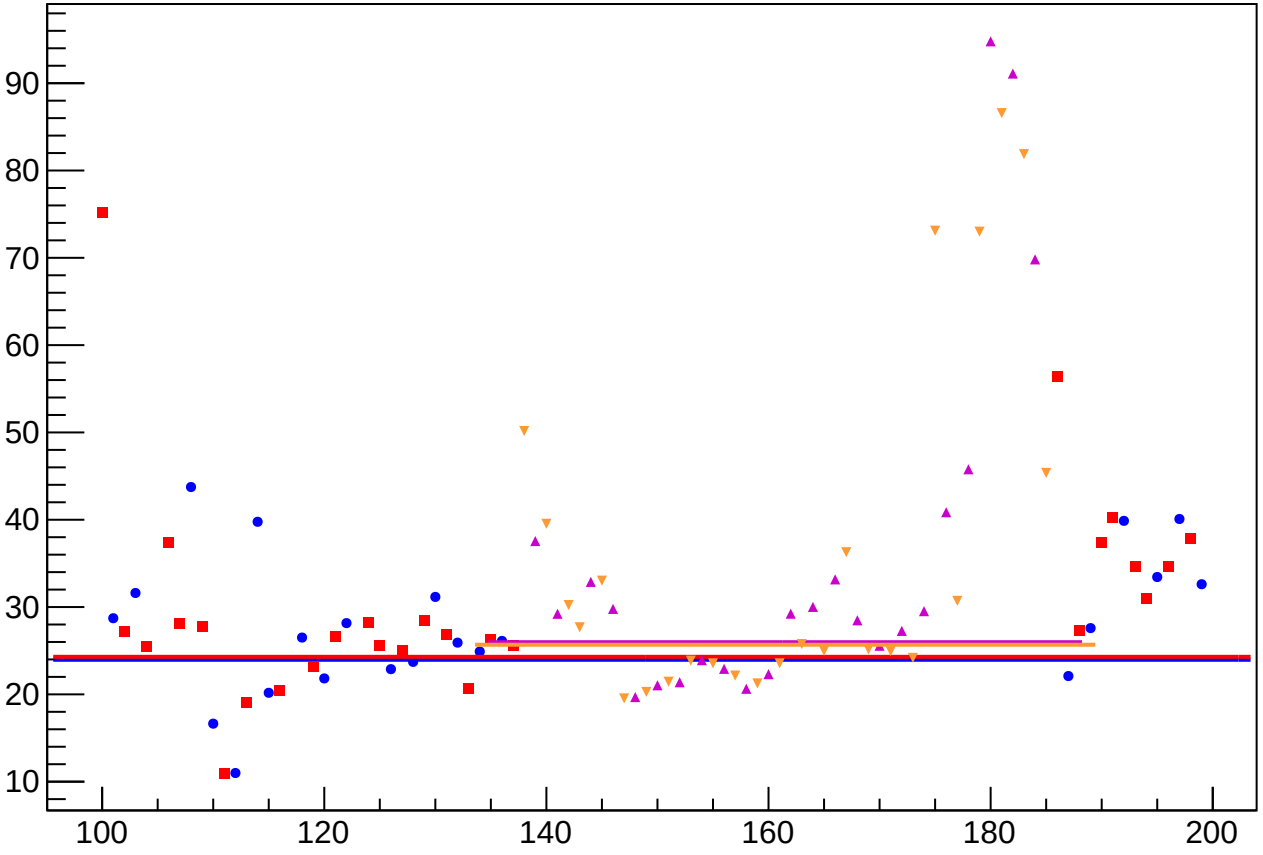
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.9/46

All: 0.000+/-0.003 χ^2/NDF: 117.6/96

- sign -0.001+/-0.005 χ^2/NDF: 65.5/49

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.961+/-0.005 χ^2/NDF: 2549759.4/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 24.300+/-0.005 χ^2/NDF: 2535682.6/26

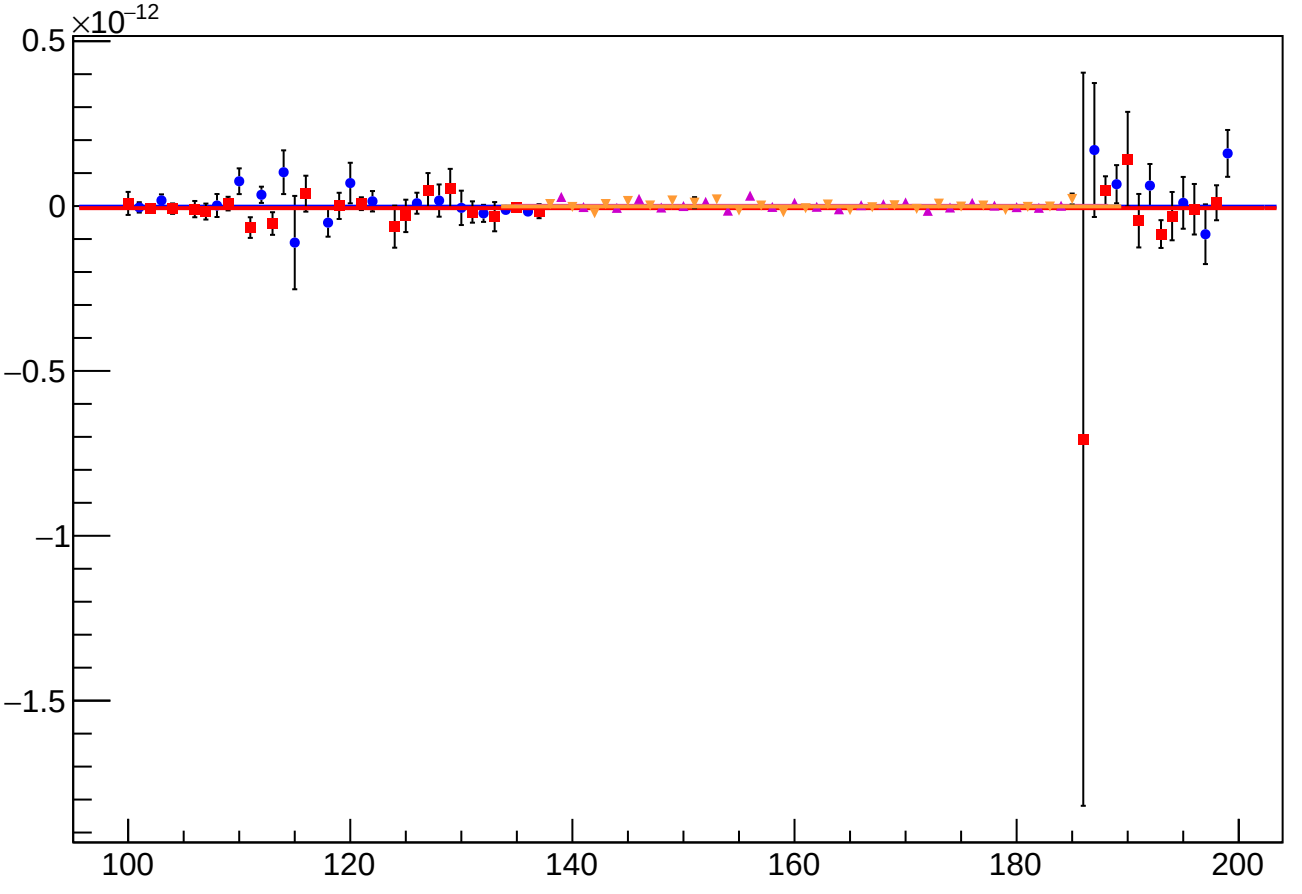
Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.981+/-0.003 χ^2/NDF: 6480678.0/46

All: 25.103+/-0.002 χ^2/NDF: 12193910.0/96

- 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: 26.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

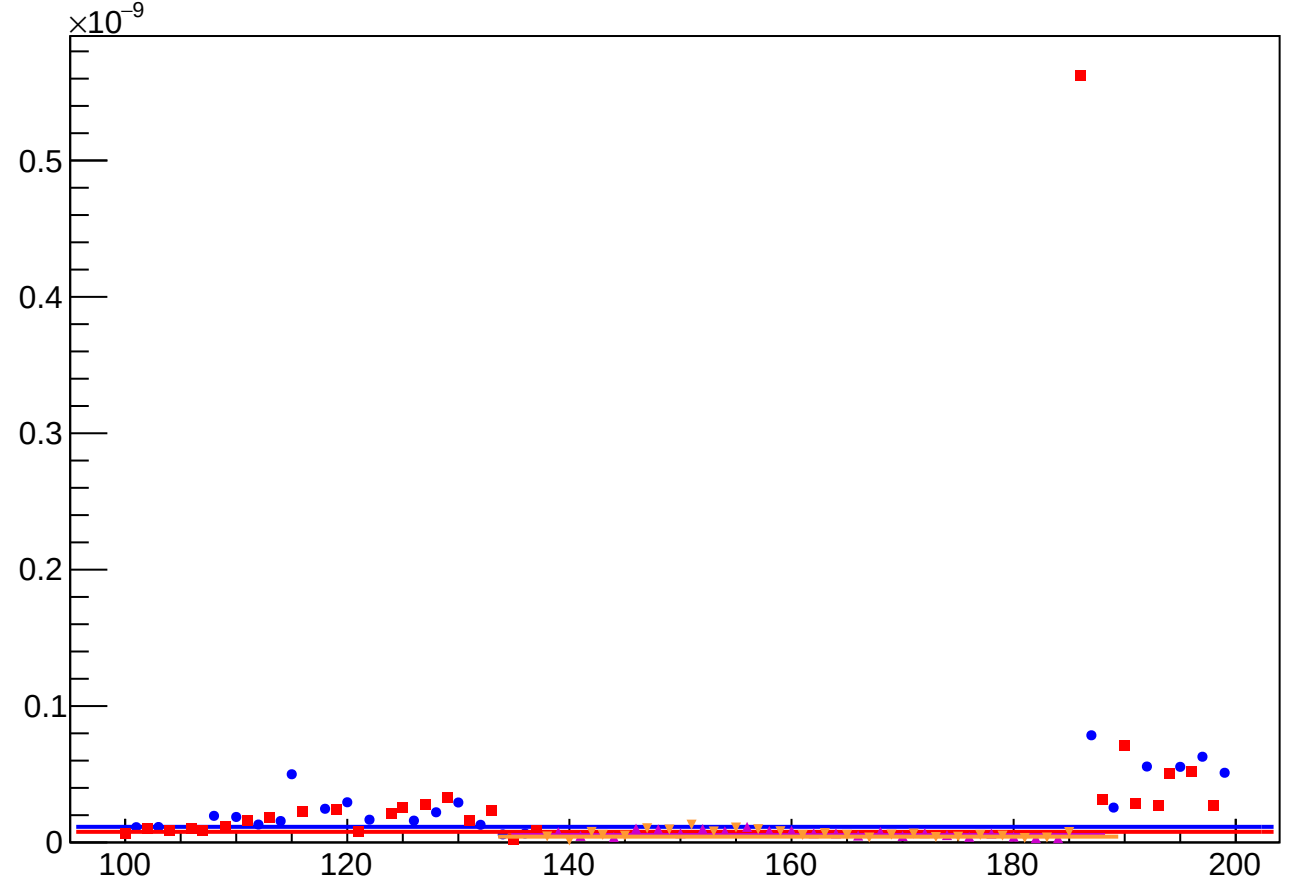
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/26

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.2/46

All: -0.000+/-0.000 χ^2/NDF: 105.3/96

- sign -0.000+/-0.000 χ^2/NDF: 50.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 5176849.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7729272.8/26

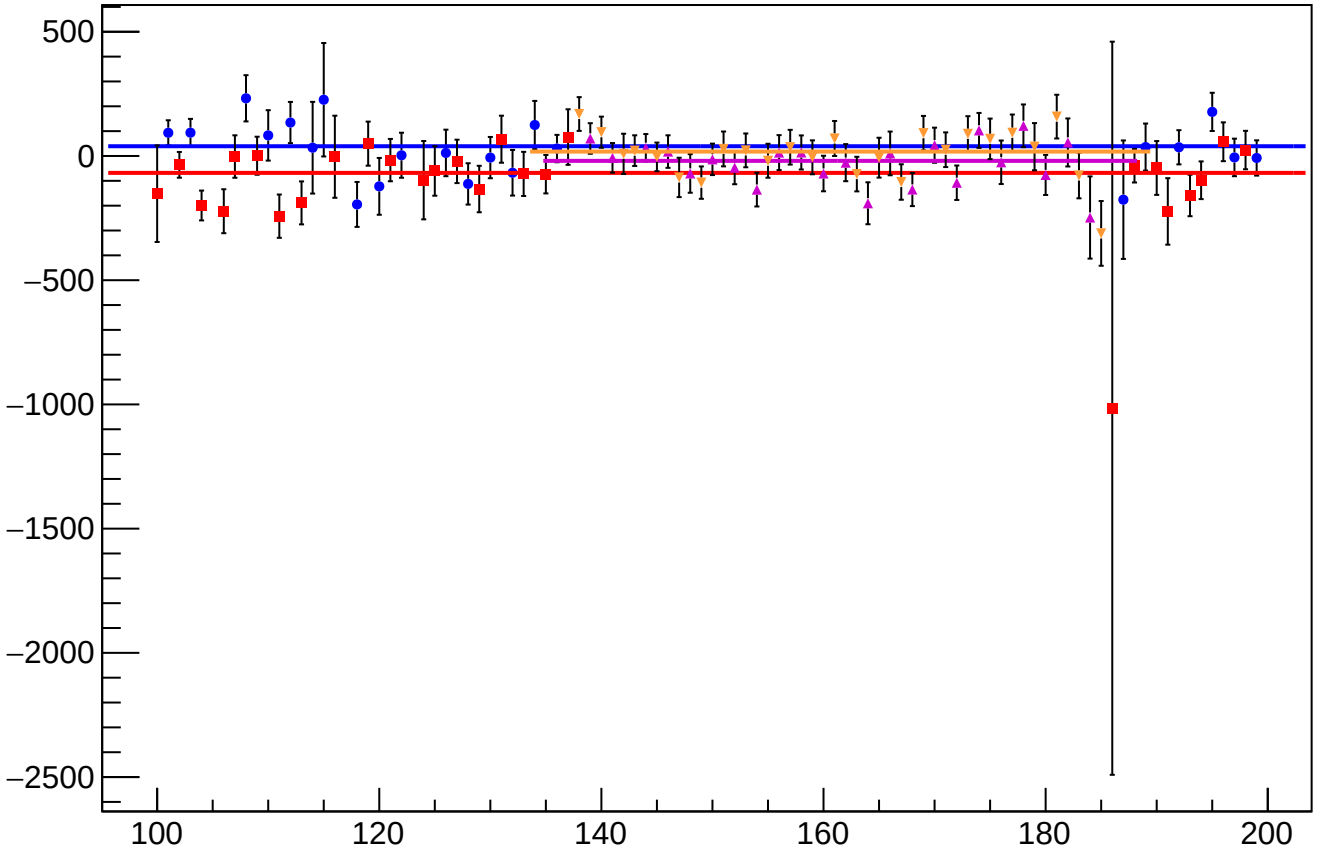
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13888378.3/46

All: 0.000+/-0.000 χ^2/NDF: 25482671.7/96

- sign 0.000+/-0.000 χ^2/NDF: 11061971.7/49

reg_asym_sam_15_avg_mean vs Slug



Right In: 39.229+/-17.453 χ^2/NDF: 28.2/21

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -68.057+/-16.758 χ^2/NDF: 29.9/26

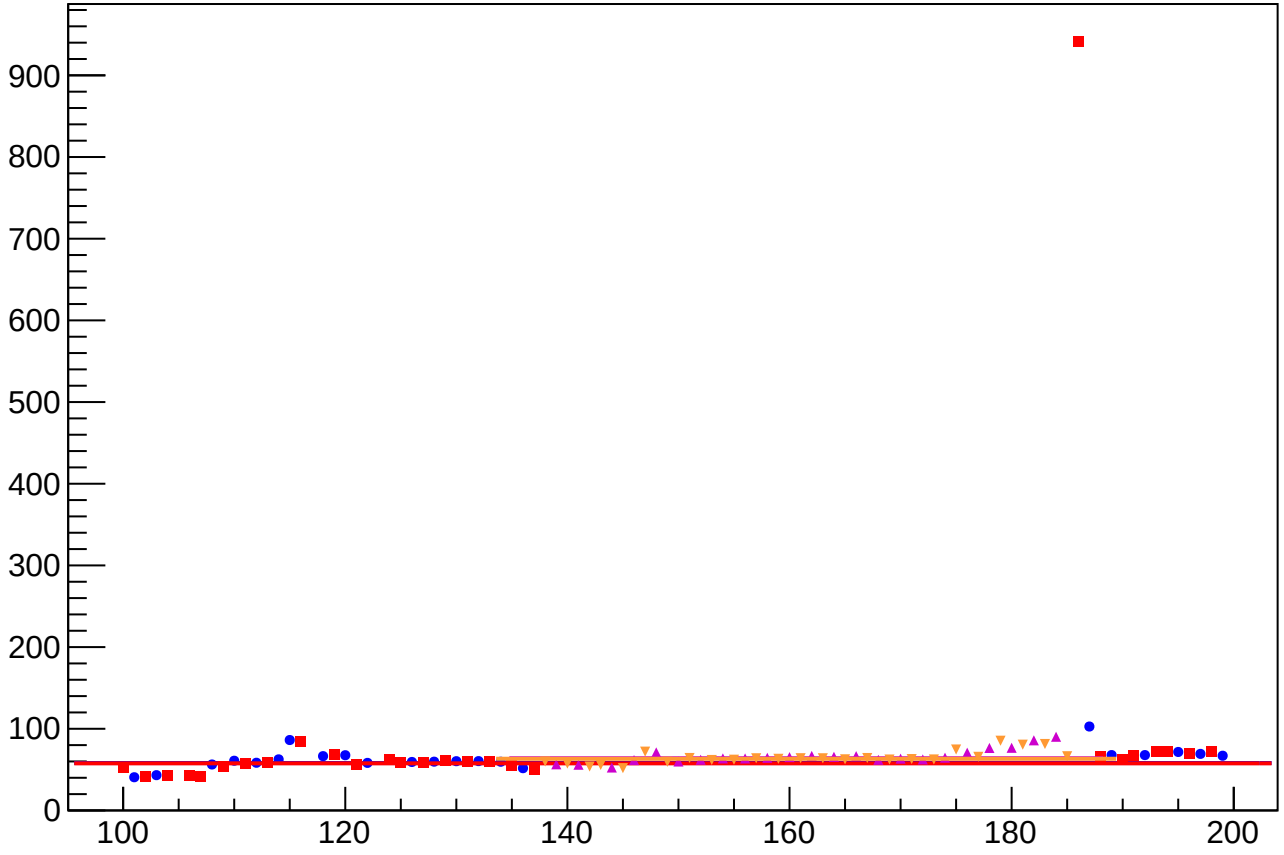
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 26.547+/-11.151 χ^2/NDF: 60.6/46

All: -7.219+/-7.900 χ^2/NDF: 139.7/96

- sign -41.241+/-11.193 χ^2/NDF: 60.7/49

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.060+/-0.012 χ^2/NDF: 745057.0/21

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.682+/-0.012 χ^2/NDF: 1560561.1/26

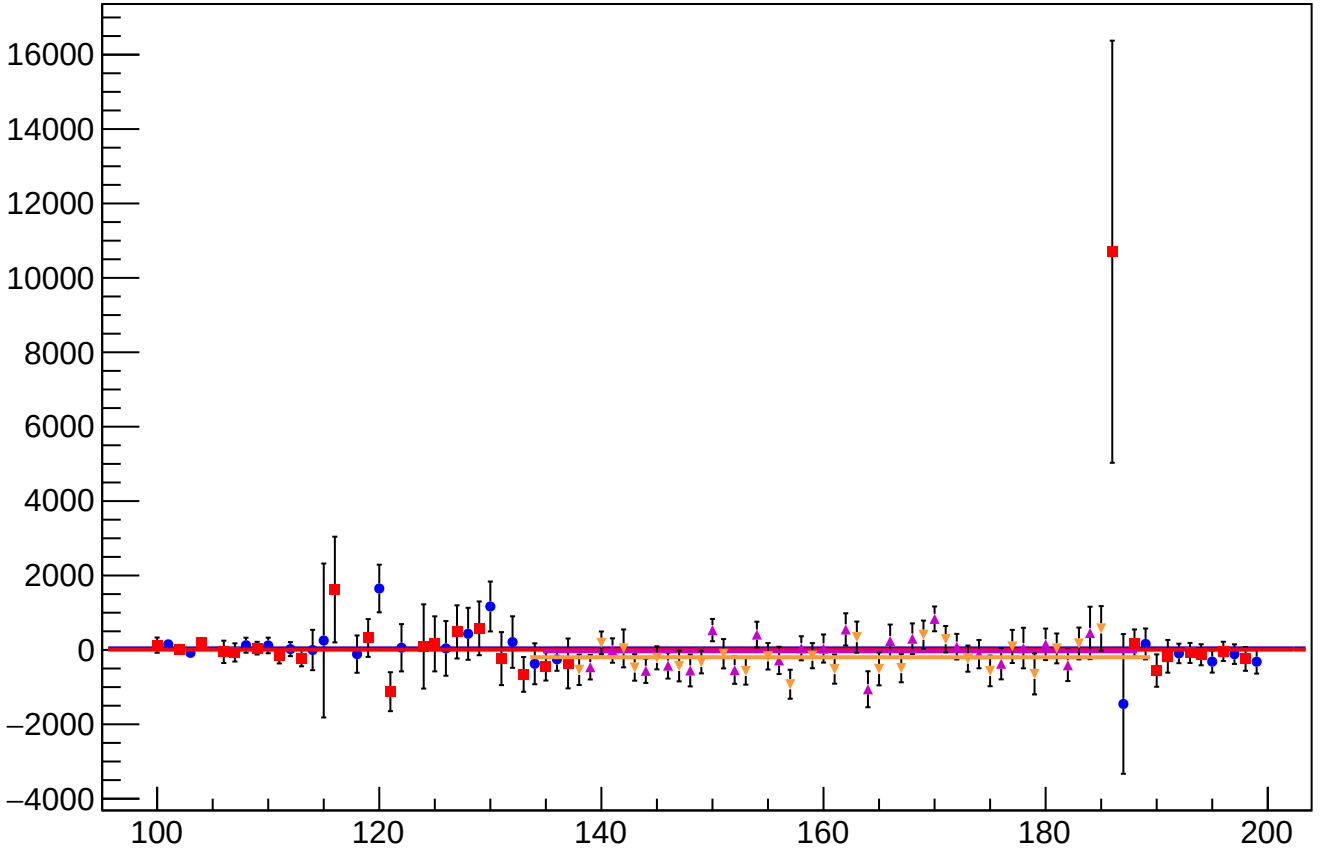
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.169+/-0.008 χ^2/NDF: 1349667.9/46

All: 61.152+/-0.006 χ^2/NDF: 3508927.3/96

- sign 61.136+/-0.008 χ^2/NDF: 2159251.0/49

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 40.864+/-43.881 χ^2/NDF: 20.0/21

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 6.720+/-46.417 χ^2/NDF: 24.8/26

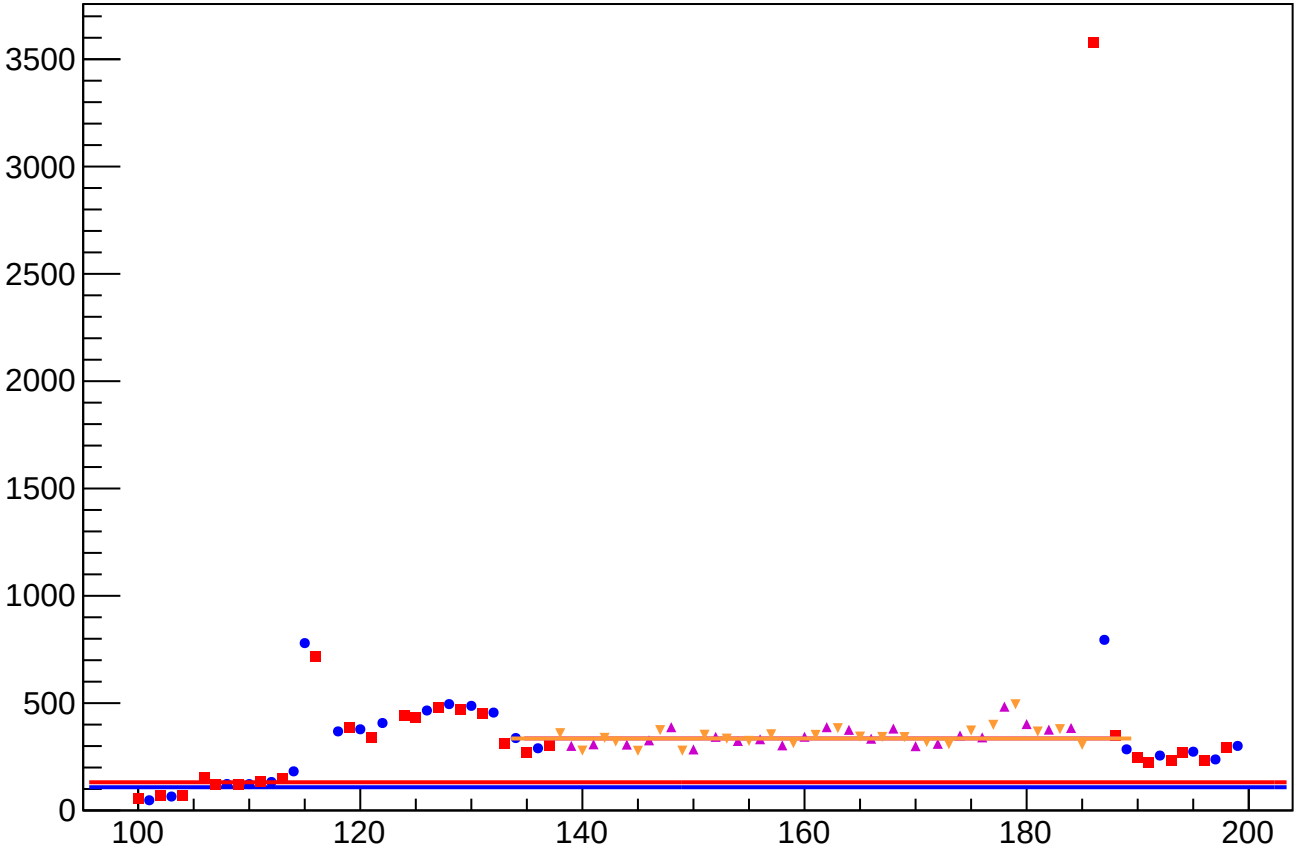
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -17.091+/-38.136 χ^2/NDF: 47.8/46

All: -11.011+/-27.617 χ^2/NDF: 103.9/96

- sign -4.306+/-40.048 χ^2/NDF: 56.1/49

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 108.178+/-0.031 χ^2/NDF: 10108471.9/21

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 131.306+/-0.033 χ^2/NDF: 9046848.1/26

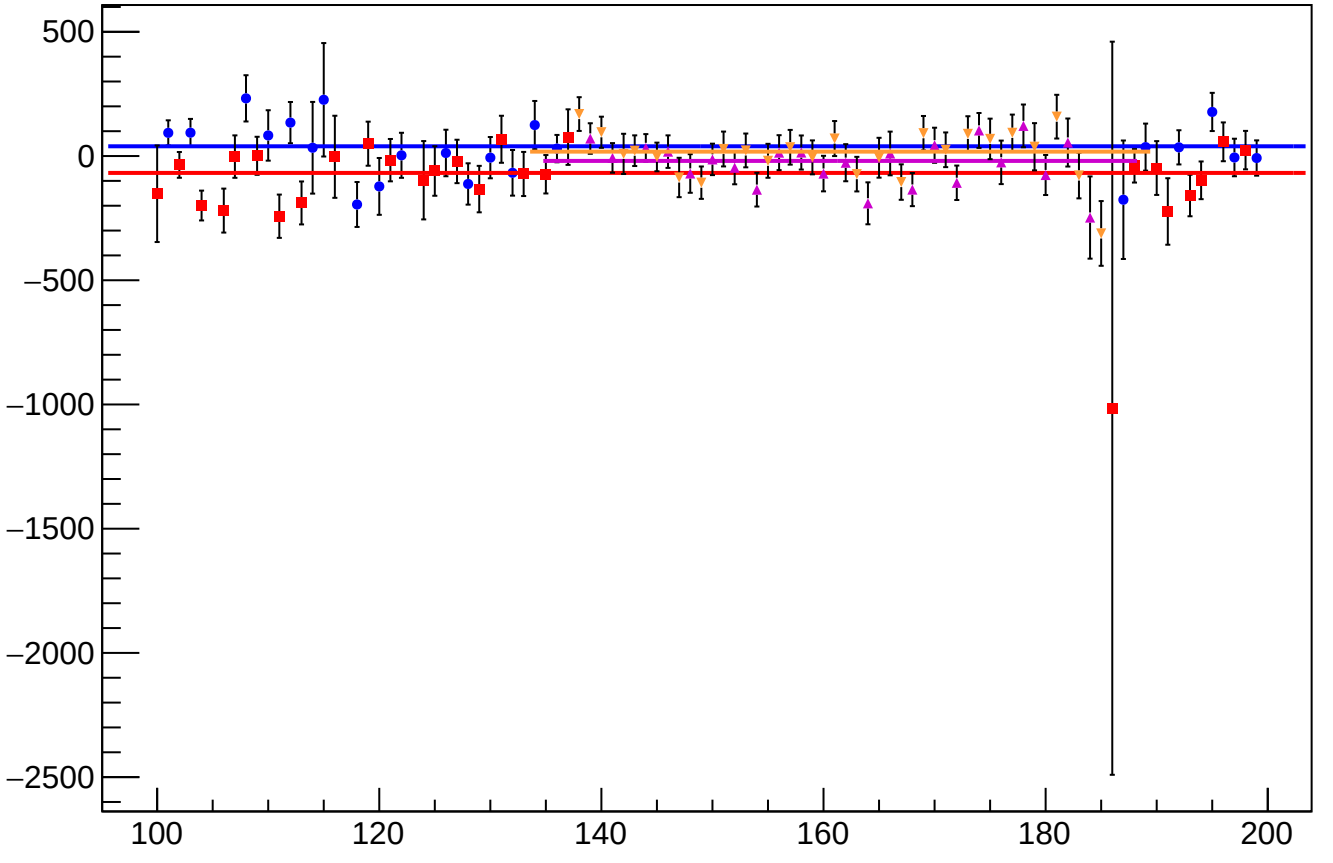
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 163.754+/-0.027 χ^2/NDF: 23781165.9/46

All: 173.149+/-0.020 χ^2/NDF: 43474465.0/96

- sign 183.509+/-0.028 χ^2/NDF: 19438080.9/49

cor_asym_sam_15_avg_mean vs Slug



Right In: 39.238+/-17.453 χ^2/NDF: 28.2/21

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -67.960+/-16.759 χ^2/NDF: 29.7/26

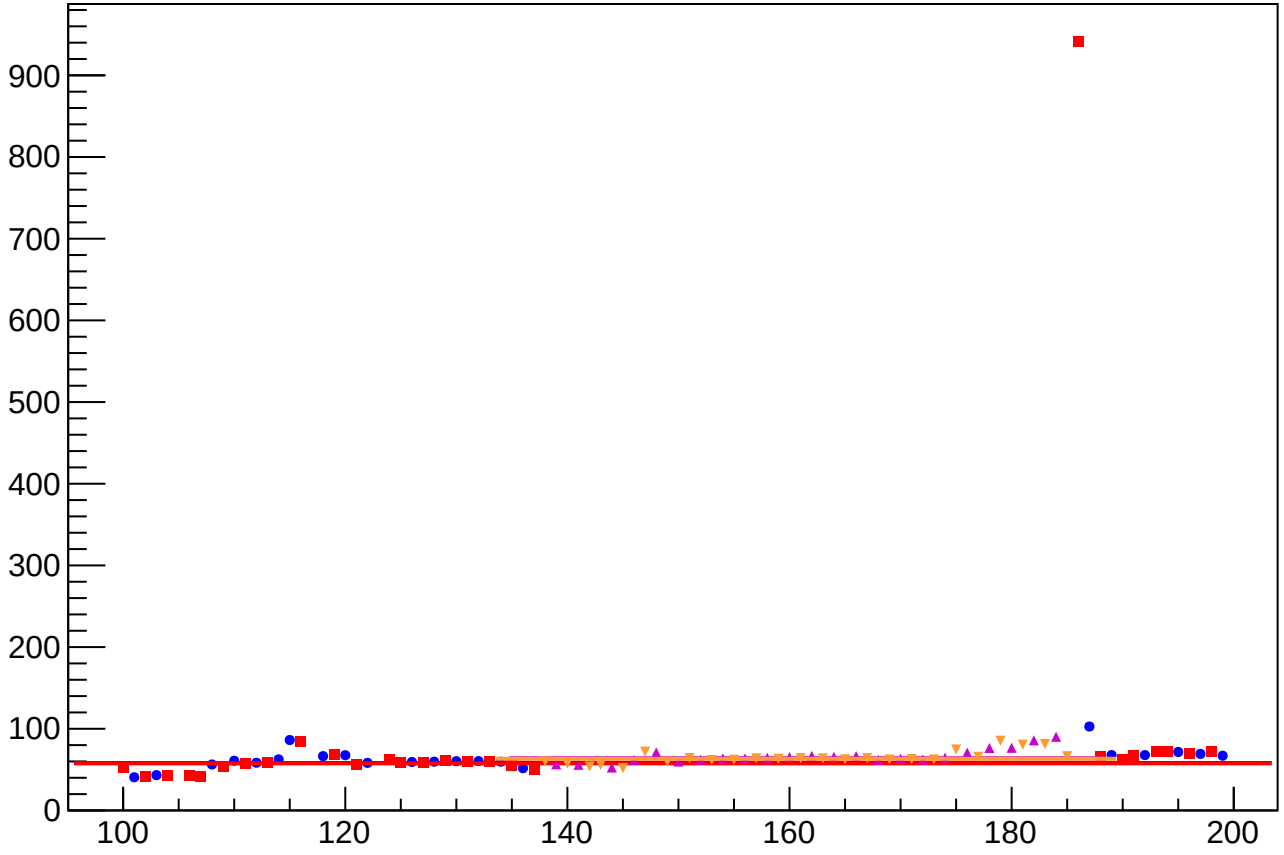
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 26.553+/-11.151 χ^2/NDF: 60.6/46

All: -7.192+/-7.900 χ^2/NDF: 139.6/96

- sign -41.196+/-11.194 χ^2/NDF: 60.6/49

cor_asym_sam_15_avg_rms vs Slug



Right In: 58.060+/-0.012 χ^2/NDF: 745056.1/21

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.681+/-0.012 χ^2/NDF: 1560961.9/26

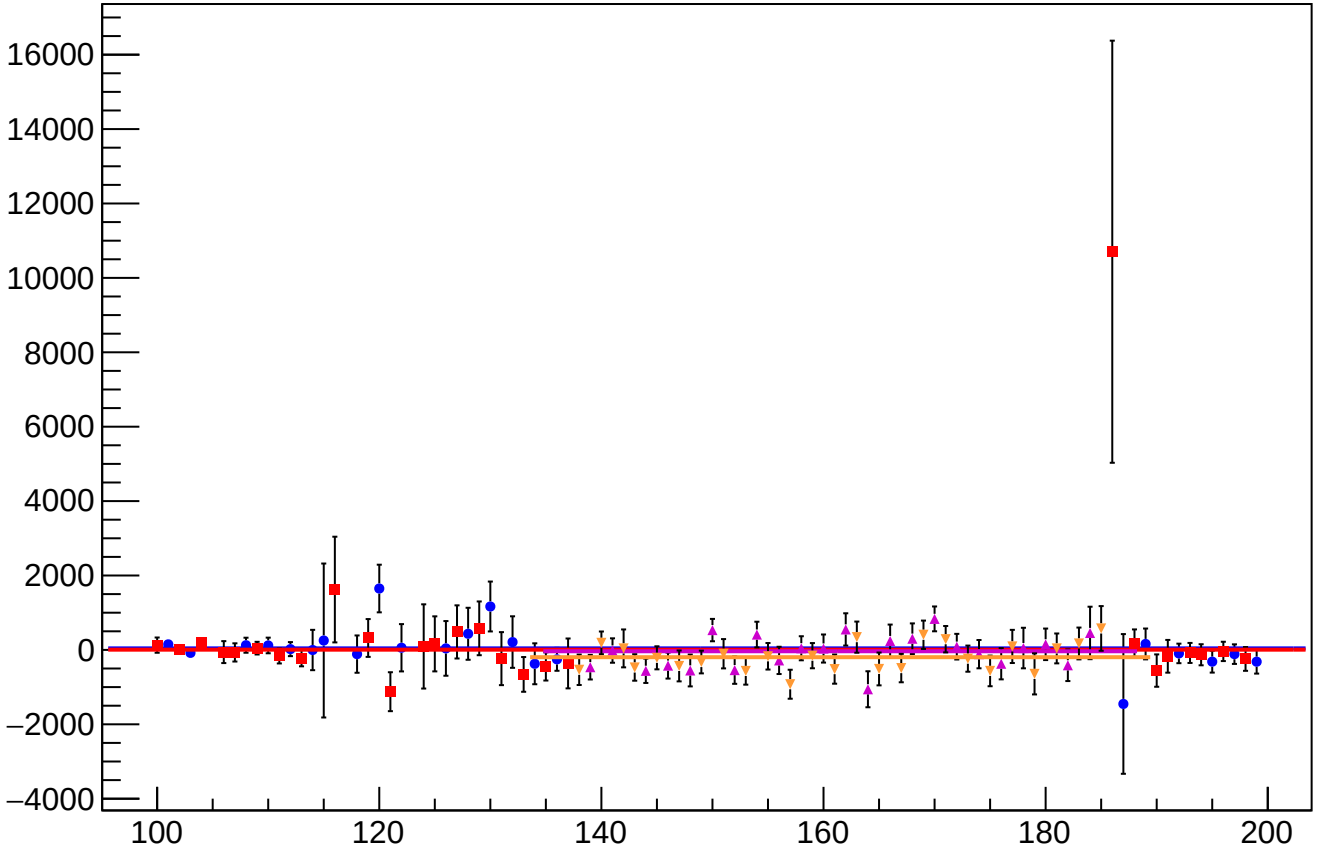
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.169+/-0.008 χ^2/NDF: 1349666.8/46

All: 61.152+/-0.006 χ^2/NDF: 3509373.9/96

\- sign 61.136+/-0.008 χ^2/NDF: 2159698.6/49

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 40.868+/-43.880 χ^2/NDF: 20.0/21

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 6.373+/-46.384 χ^2/NDF: 24.8/26

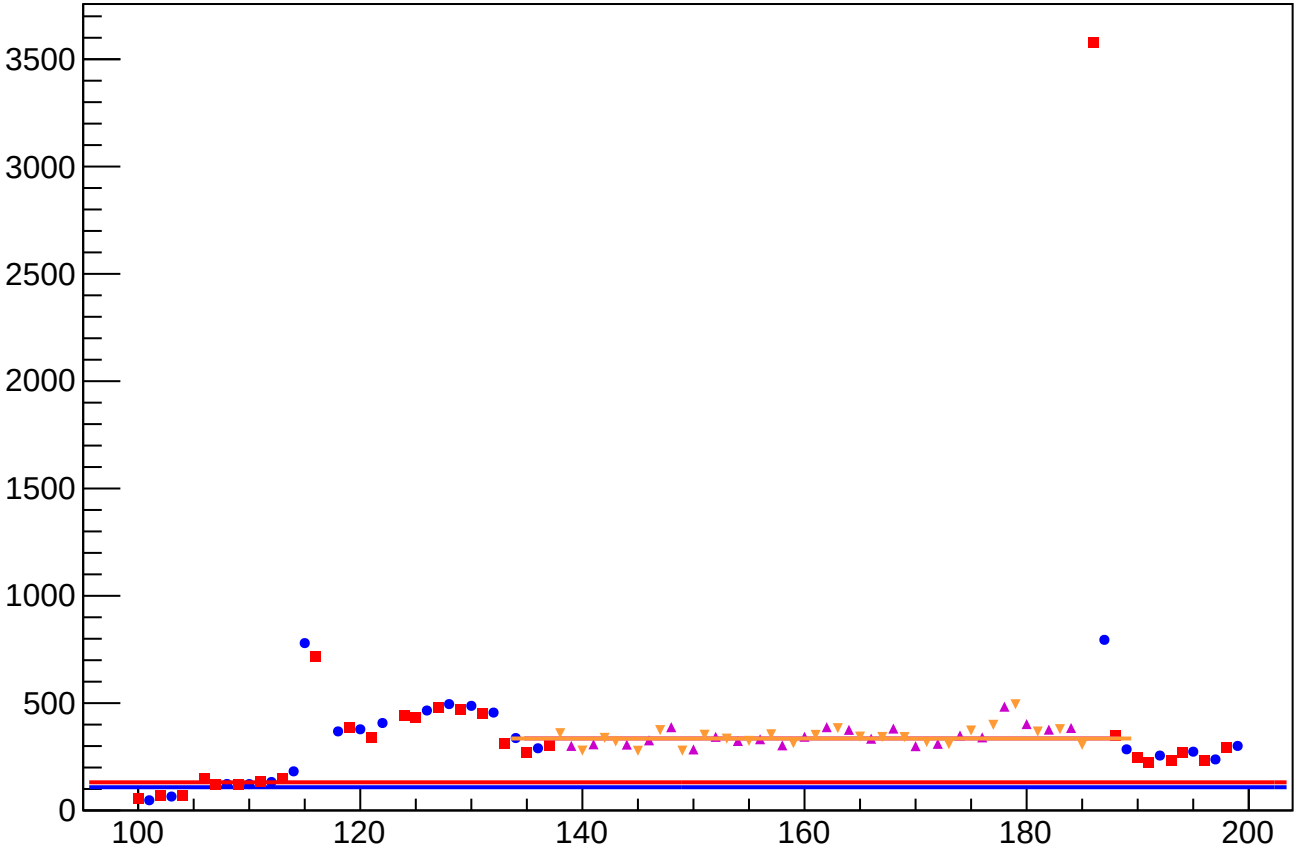
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -17.085+/-38.135 χ^2/NDF: 47.8/46

All: -11.121+/-27.610 χ^2/NDF: 103.9/96

- sign -4.552+/-40.026 χ^2/NDF: 56.1/49

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 108.175+/-0.031 χ^2/NDF: 10108662.0/21

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 131.121+/-0.033 χ^2/NDF: 9046046.6/26

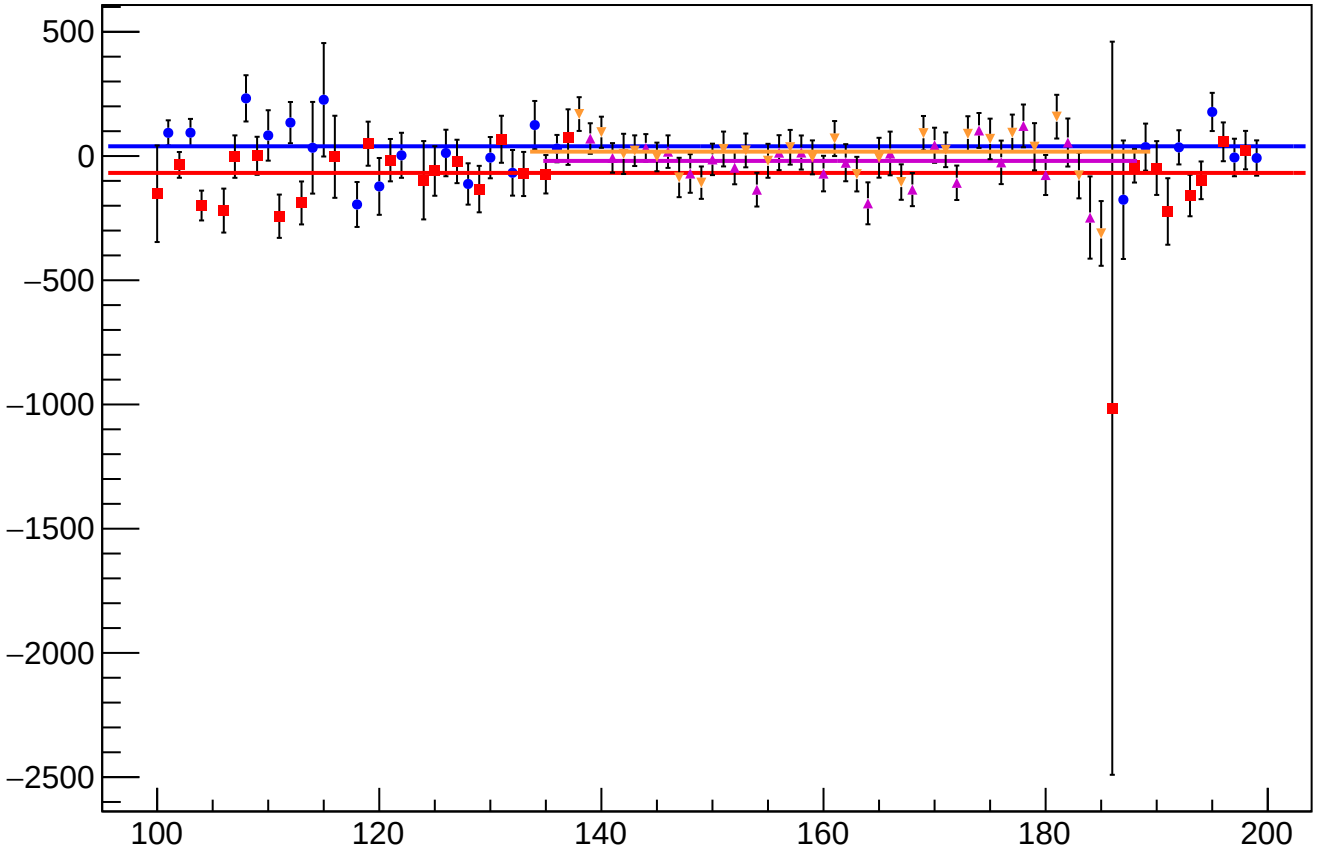
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 163.750+/-0.027 χ^2/NDF: 23781835.3/46

All: 173.059+/-0.020 χ^2/NDF: 43491224.2/96

- sign 183.314+/-0.028 χ^2/NDF: 19458923.0/49

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 39.238+/-17.453 χ^2/NDF: 28.2/21

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -67.960+/-16.759 χ^2/NDF: 29.7/26

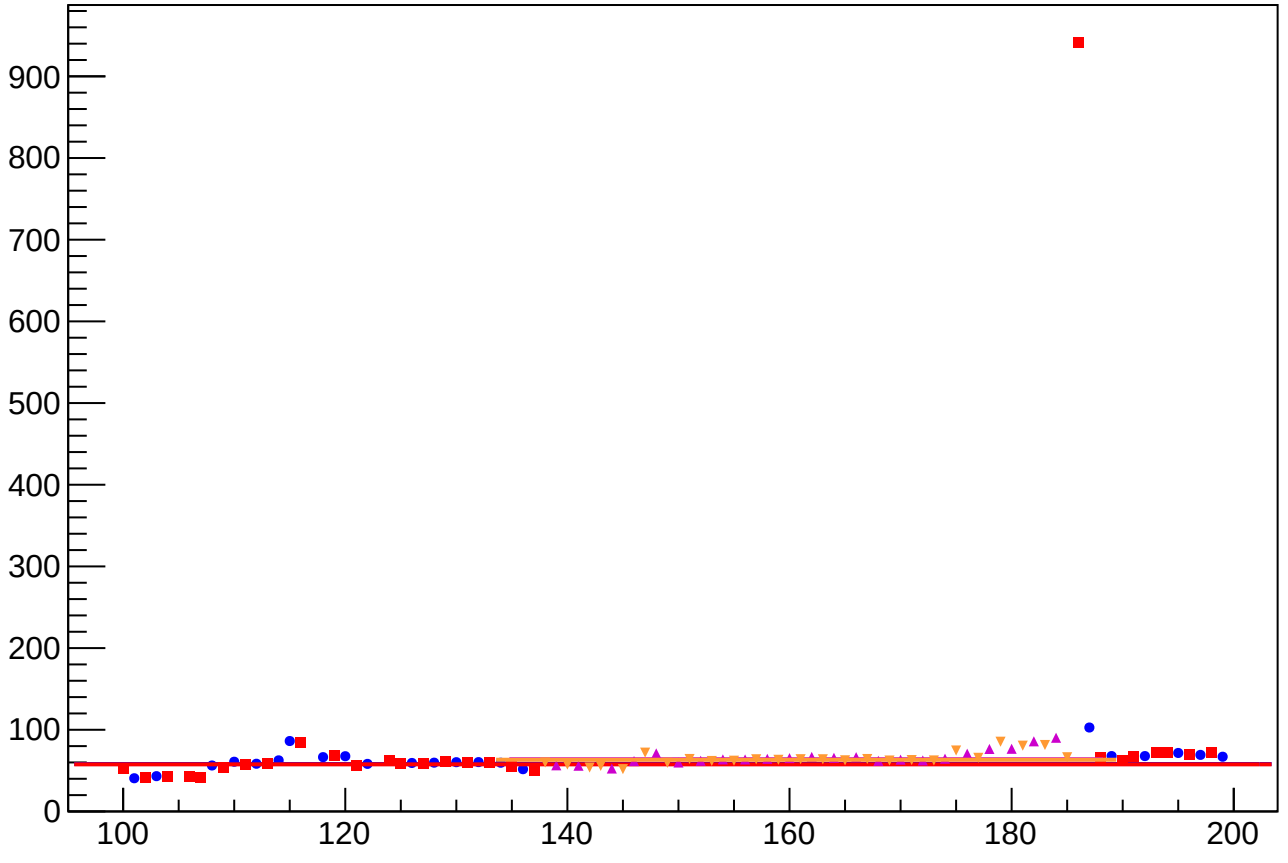
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 26.553+/-11.151 χ^2/NDF: 60.6/46

All: -7.192+/-7.900 χ^2/NDF: 139.6/96

- sign -41.196+/-11.194 χ^2/NDF: 60.6/49

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 58.060+/-0.012 χ^2/NDF: 745056.1/21

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.681+/-0.012 χ^2/NDF: 1560961.9/26

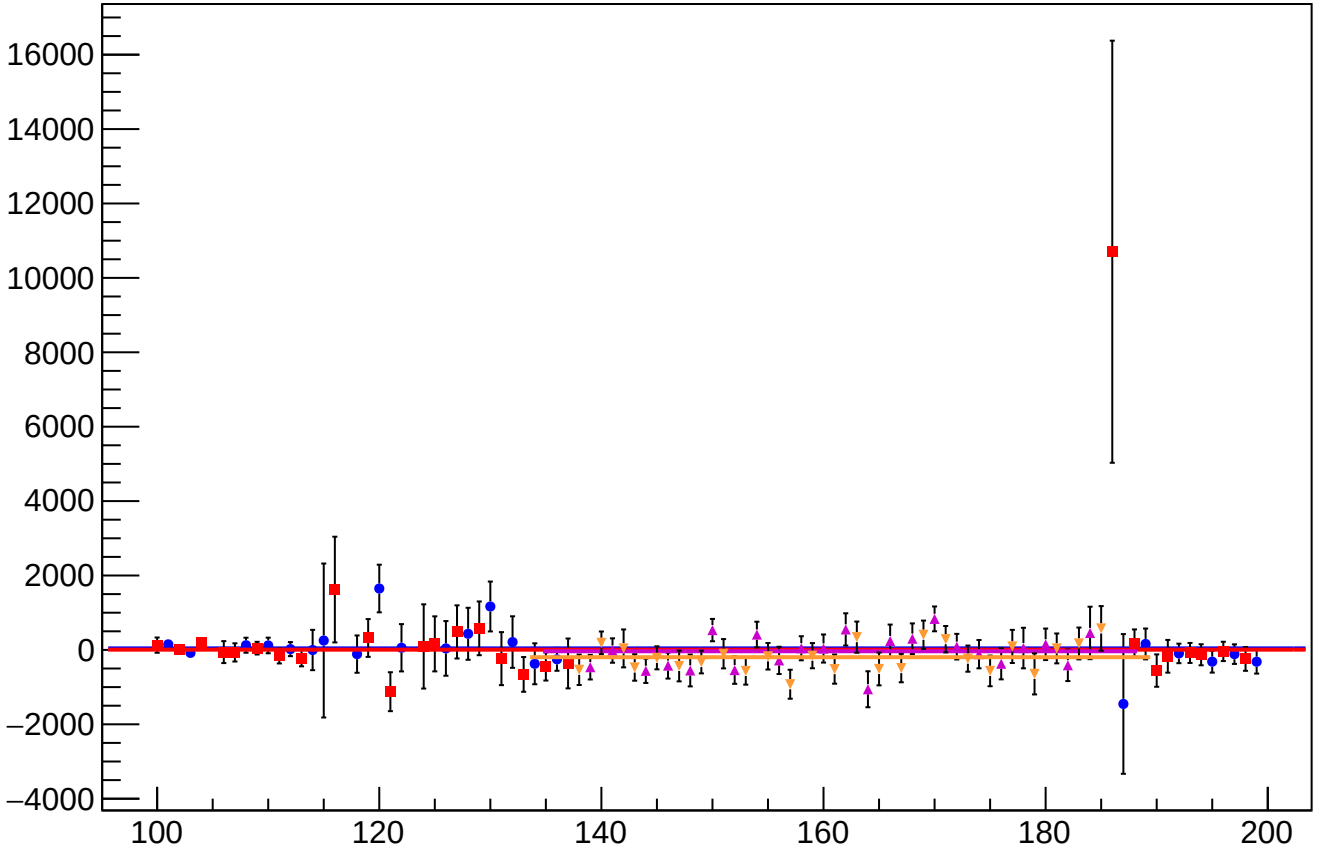
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.169+/-0.008 χ^2/NDF: 1349666.8/46

All: 61.152+/-0.006 χ^2/NDF: 3509373.9/96

- sign 61.136+/-0.008 χ^2/NDF: 2159698.6/49

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 40.868+/-43.880 χ^2/NDF: 20.0/21

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

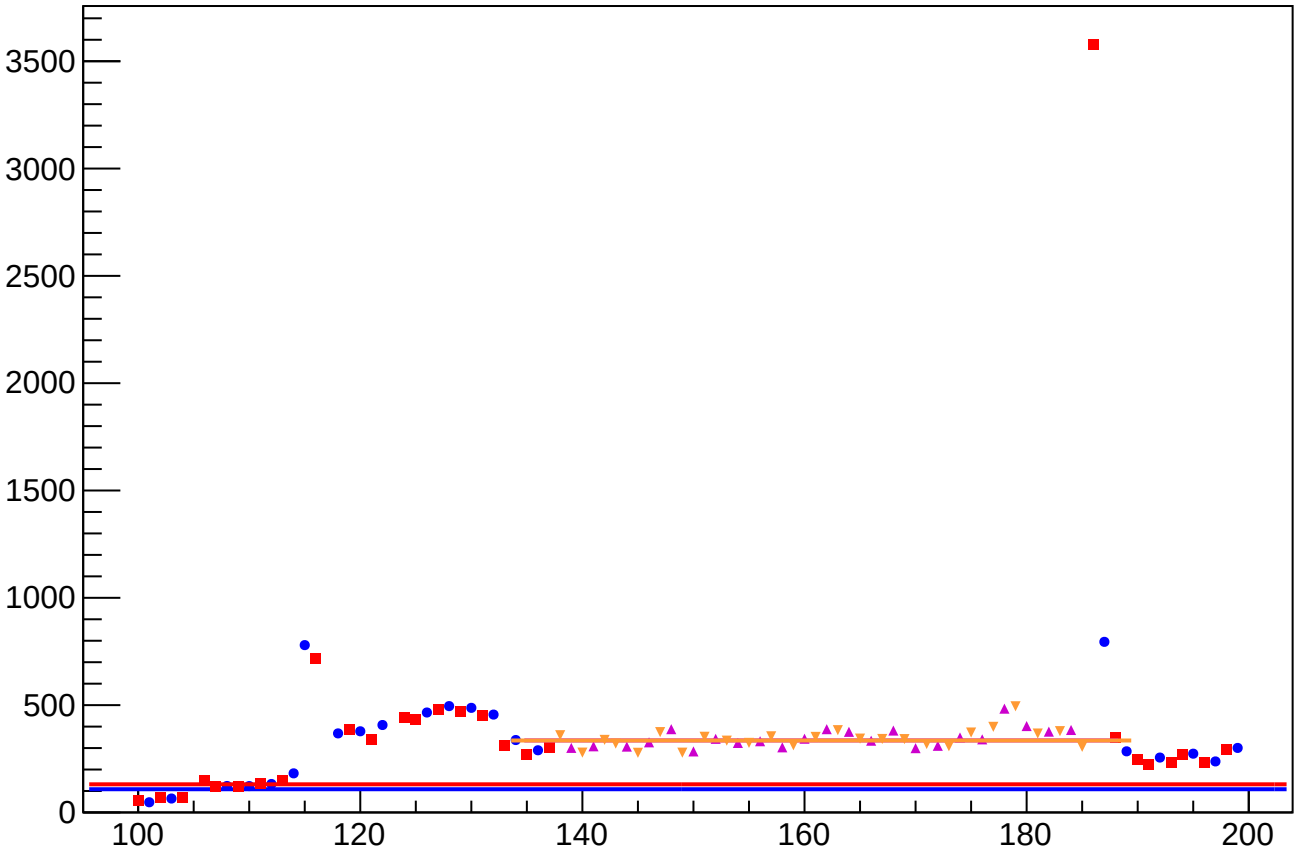
Right Out: 6.373+/-46.384 χ^2/NDF: 24.8/26

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -17.085+/-38.135 χ^2/NDF: 47.8/46

All: -11.121+/-27.610 χ^2/NDF: 103.9/96

- sign -4.552+/-40.026 χ^2/NDF: 56.1/49



Right In: 108.175+/-0.031 χ^2/NDF: 10108662.0/21

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 131.121+/-0.033 χ^2/NDF: 9046046.6/26

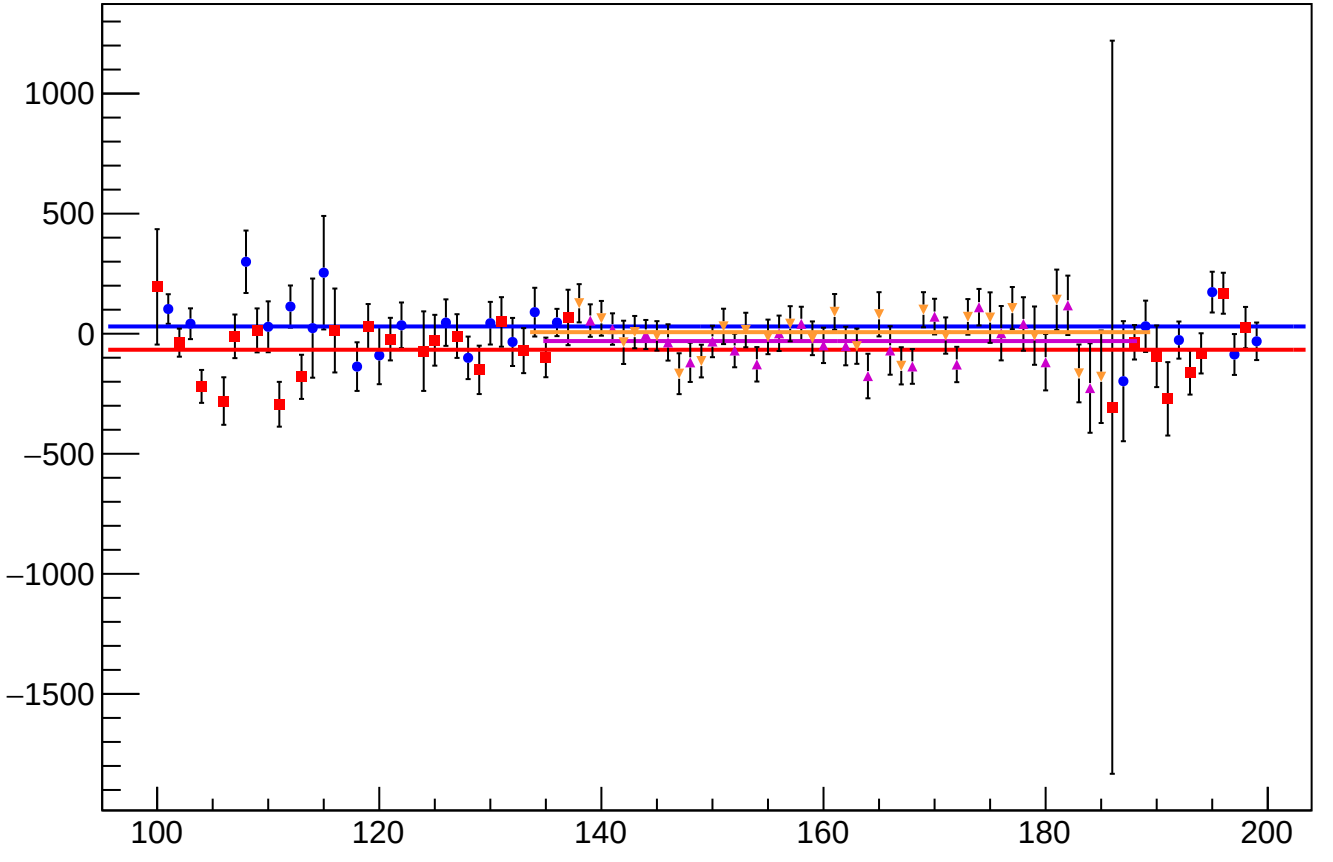
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 163.750+/-0.027 χ^2/NDF: 23781835.3/46

All: 173.059+/-0.020 χ^2/NDF: 43491224.2/96

- sign 183.314+/-0.028 χ^2/NDF: 19458923.0/49

dit_asym_sam_15_avg_mean vs Slug



Right In: 30.166+/-19.301 χ^2/NDF: 21.0/21

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -66.793+/-18.322 χ^2/NDF: 37.0/26

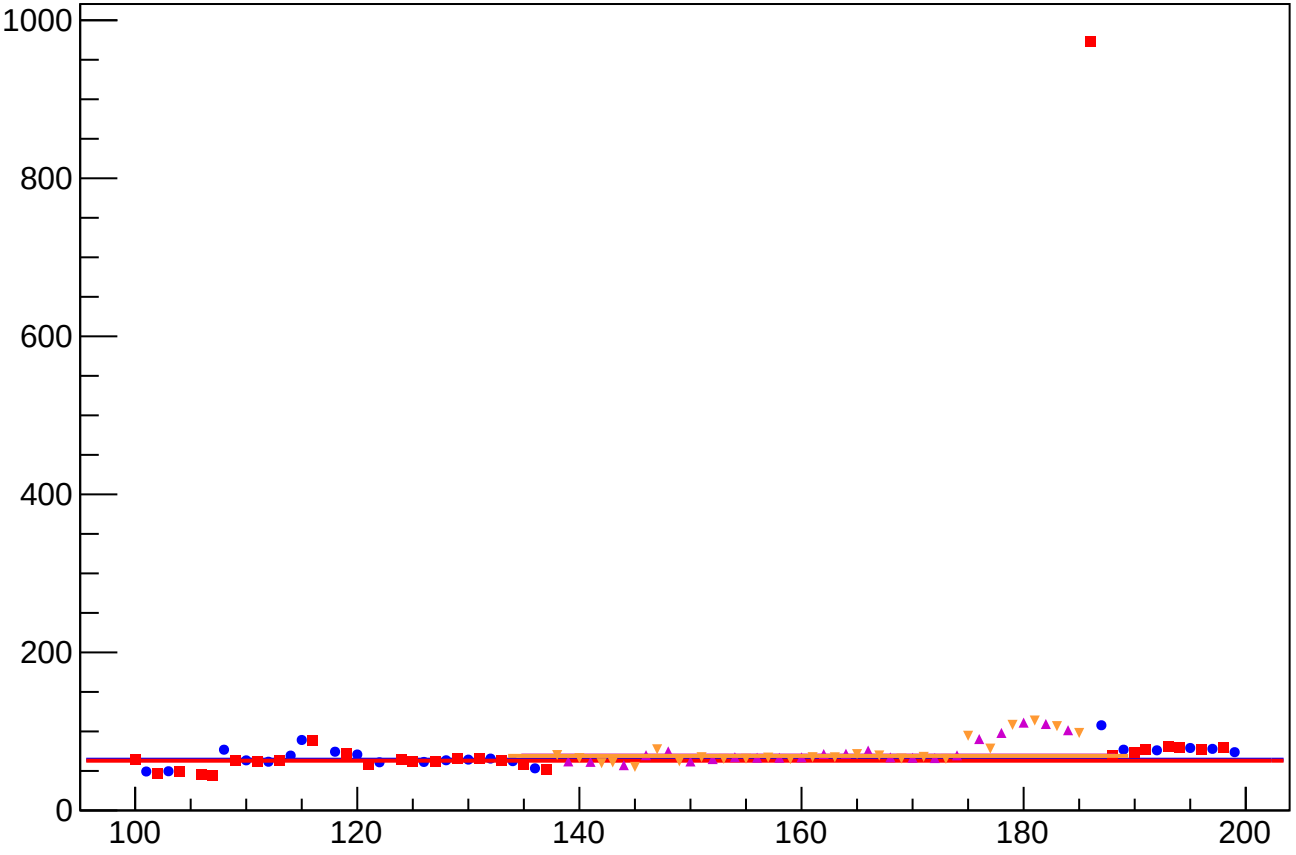
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.105+/-12.308 χ^2/NDF: 47.0/46

All: -15.487+/-8.687 χ^2/NDF: 121.8/96

- sign -46.846+/-12.262 χ^2/NDF: 61.6/49

dit_asym_sam_15_avg_rms vs Slug



Right In: 64.229+/-0.014 χ^2/NDF: 650123.8/21

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 62.974+/-0.013 χ^2/NDF: 1515702.6/26

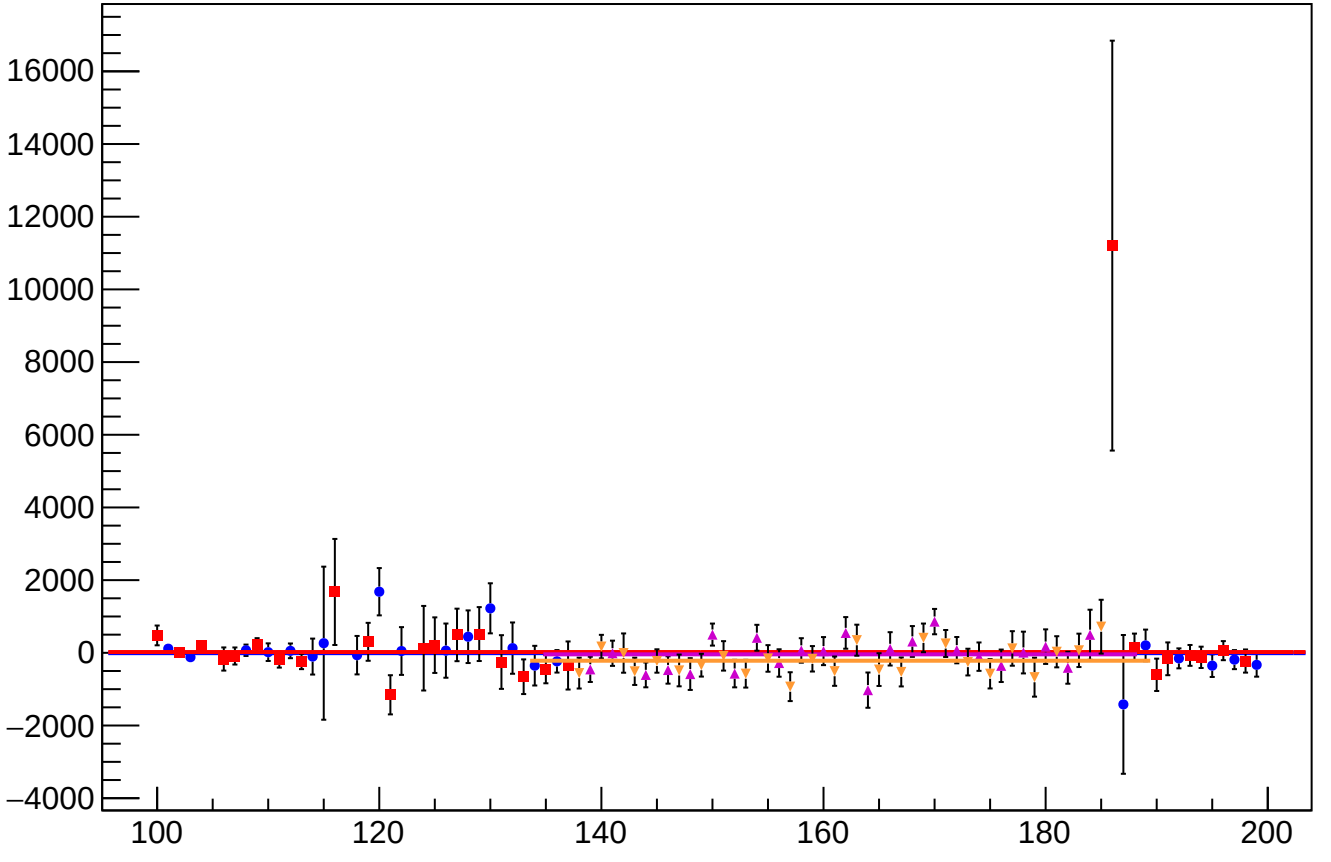
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.107+/-0.009 χ^2/NDF: 1799052.1/46

All: 66.823+/-0.006 χ^2/NDF: 4378818.2/96

- sign 66.542+/-0.009 χ^2/NDF: 2577653.9/49

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -8.875+/-49.909 χ^2/NDF: 18.7/21

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 22.039+/-48.880 χ^2/NDF: 28.9/26

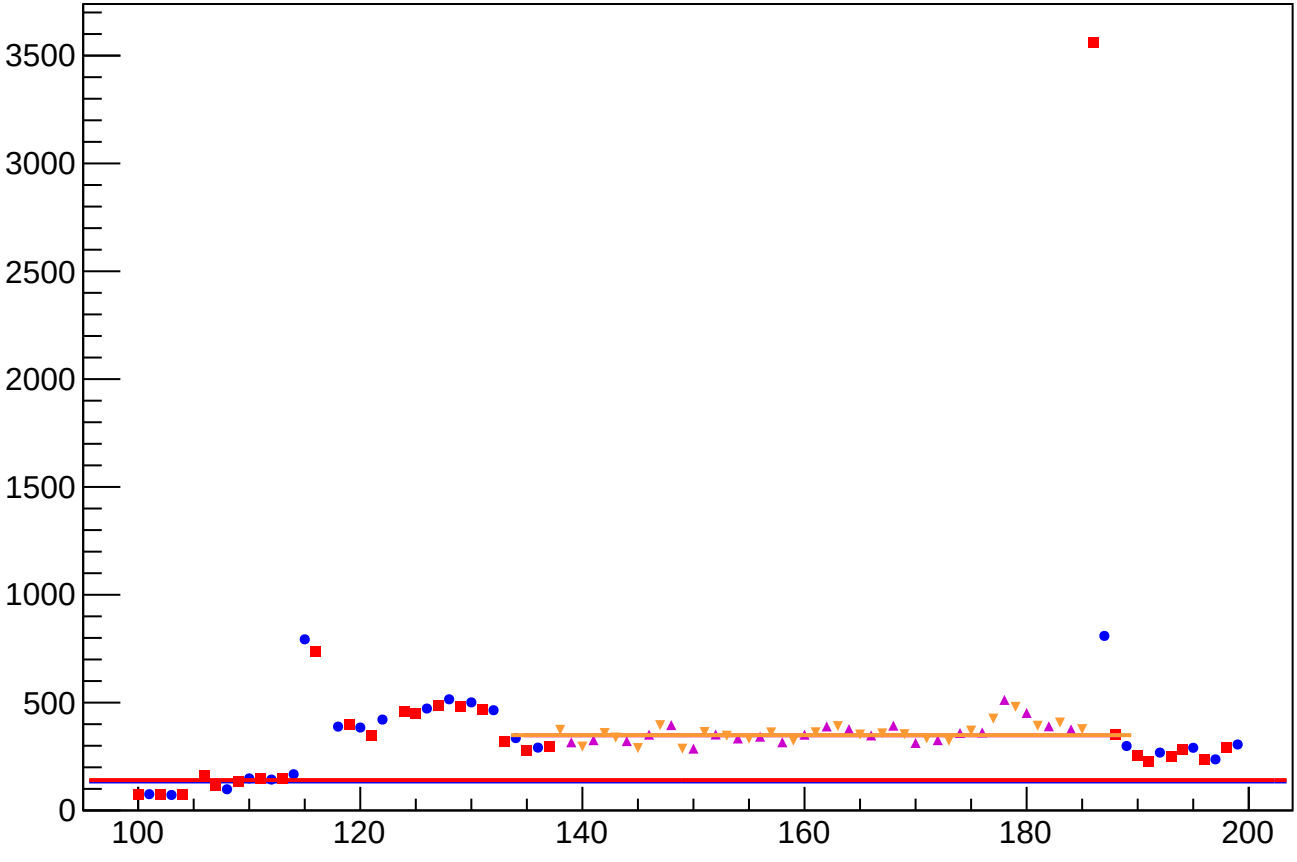
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -67.143+/-42.364 χ^2/NDF: 42.9/46

All: -30.549+/-29.834 χ^2/NDF: 103.6/96

- sign 5.454+/-42.021 χ^2/NDF: 59.3/49

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 134.376+/-0.035 χ^2/NDF: 8306343.7/21

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 140.738+/-0.035 χ^2/NDF: 8608137.7/26

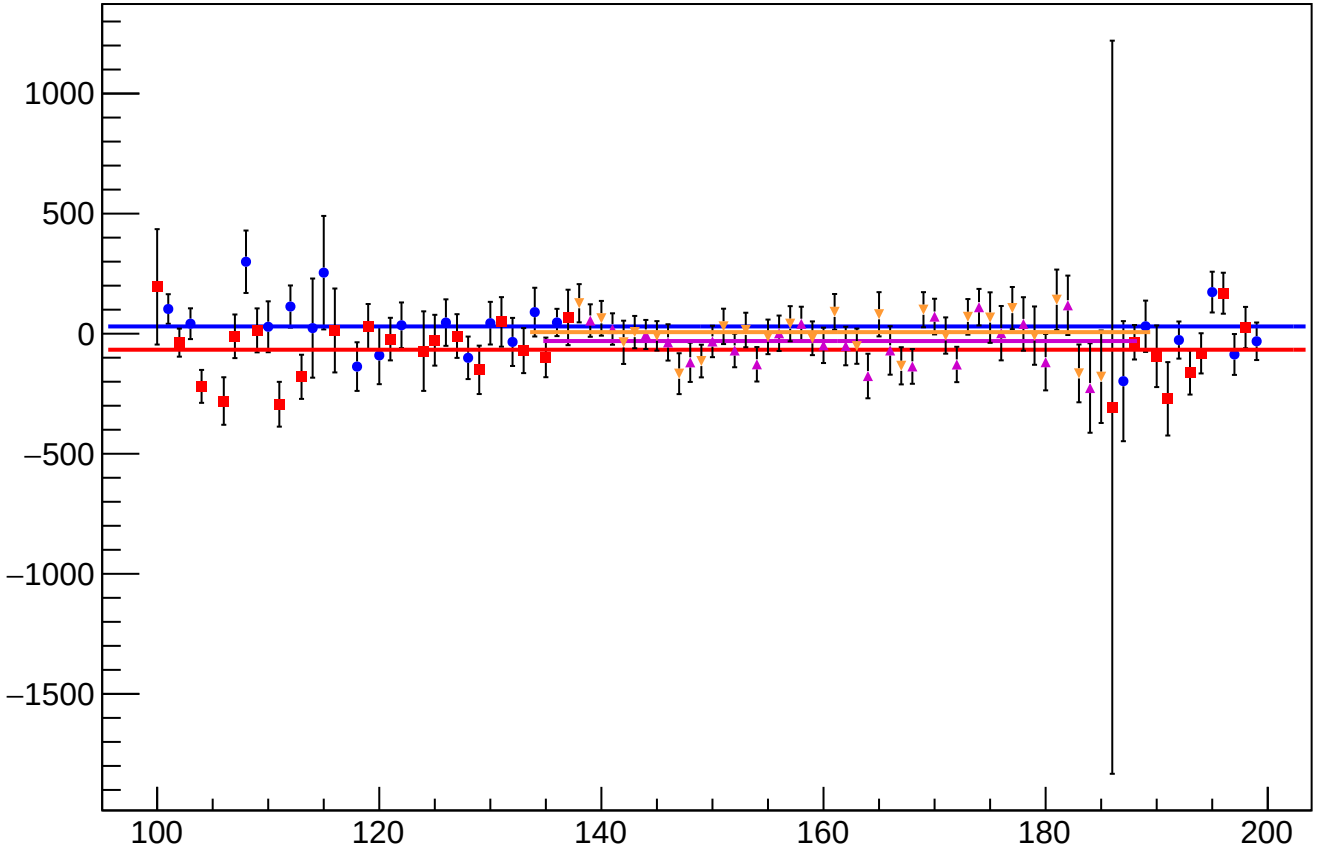
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 194.412+/-0.030 χ^2/NDF: 19184473.0/46

All: 194.695+/-0.021 χ^2/NDF: 37753438.2/96

- sign 194.973+/-0.030 χ^2/NDF: 18568788.3/49

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 30.167+/-19.301 χ^2/NDF: 21.0/21

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -66.793+/-18.322 χ^2/NDF: 37.0/26

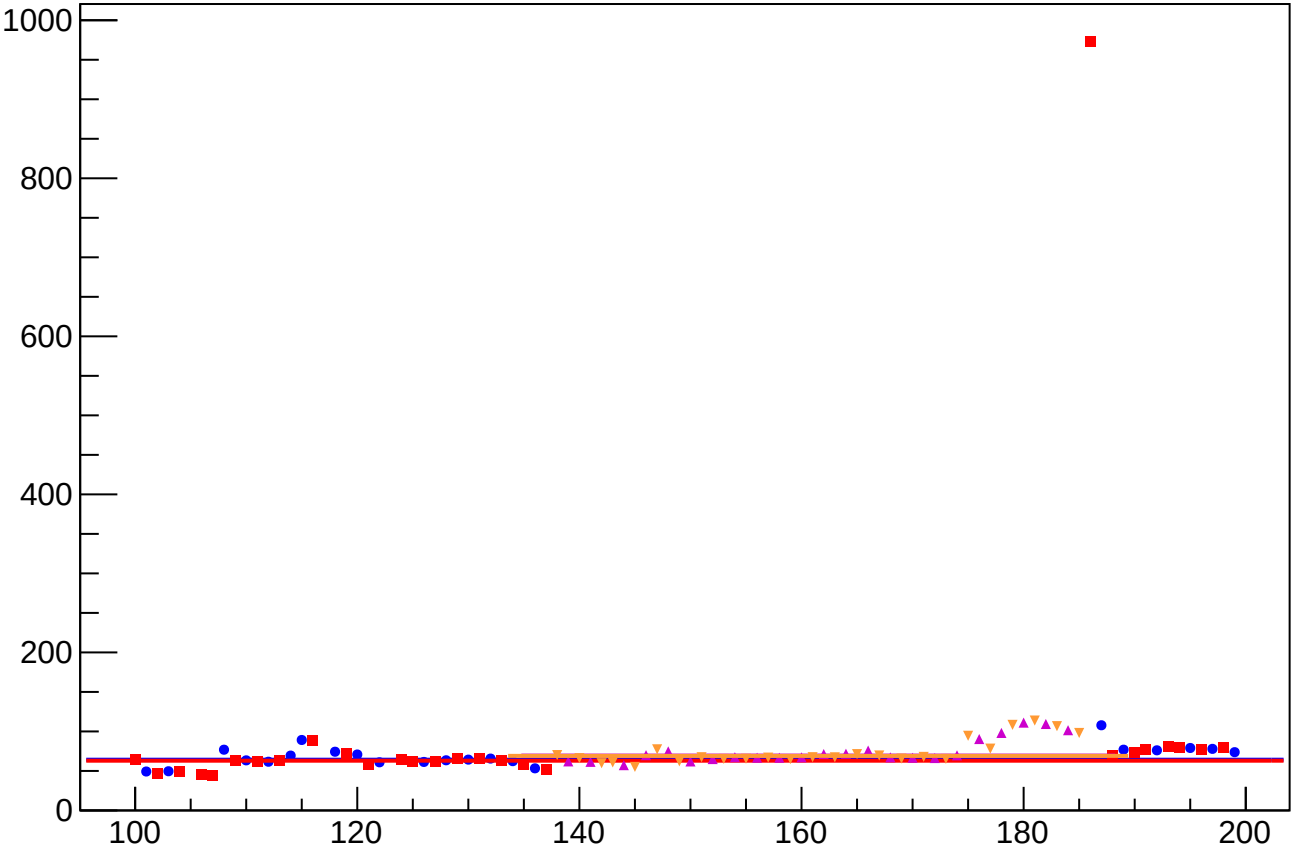
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.105+/-12.308 χ^2/NDF: 47.0/46

All: -15.486+/-8.687 χ^2/NDF: 121.8/96

- sign -46.846+/-12.262 χ^2/NDF: 61.6/49

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 64.229+/-0.014 χ^2/NDF: 650123.3/21

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 62.974+/-0.013 χ^2/NDF: 1515700.1/26

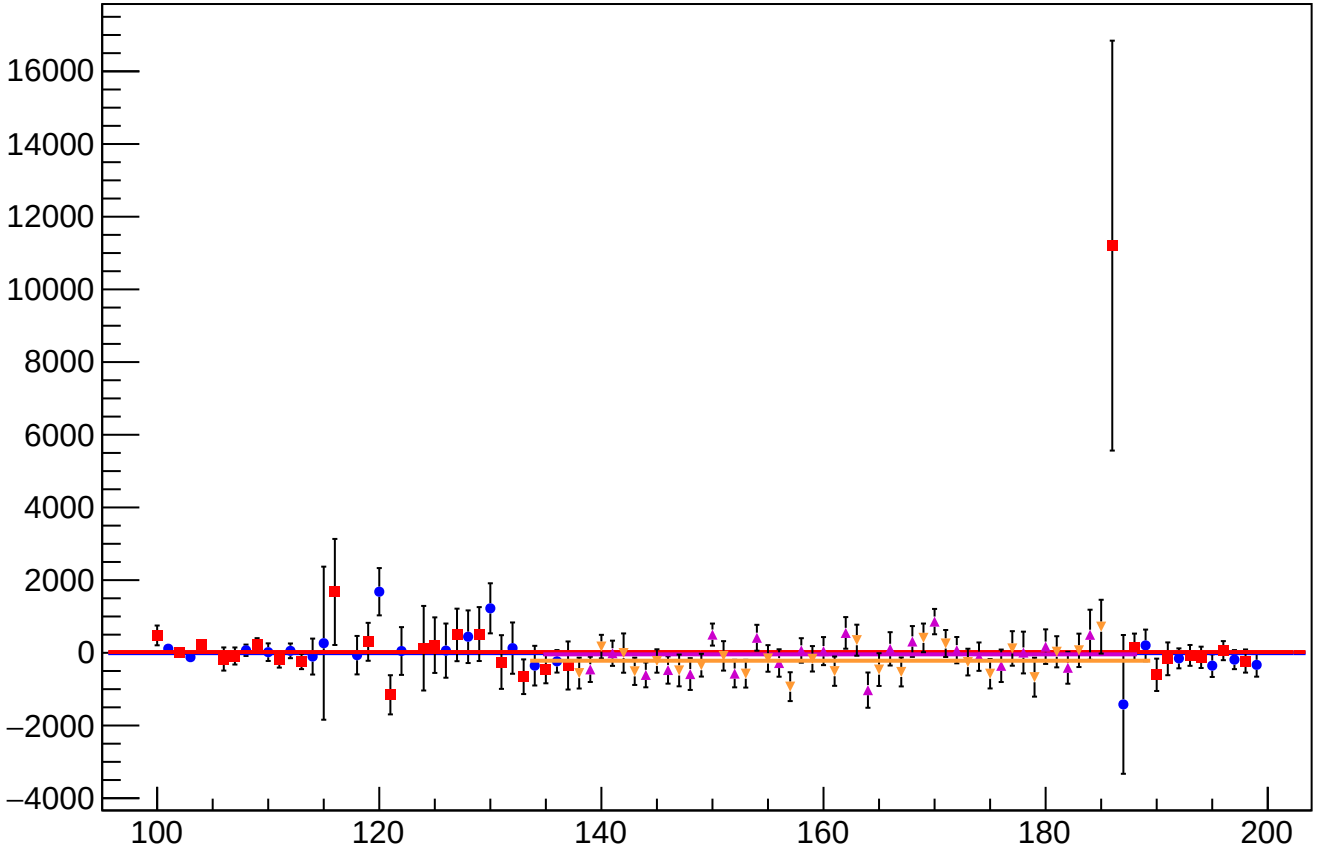
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.107+/-0.009 χ^2/NDF: 1799038.9/46

All: 66.823+/-0.006 χ^2/NDF: 4378795.9/96

- sign 66.542+/-0.009 χ^2/NDF: 2577644.9/49

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -8.875+/-49.909 χ^2/NDF: 18.7/21

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 22.039+/-48.880 χ^2/NDF: 28.9/26

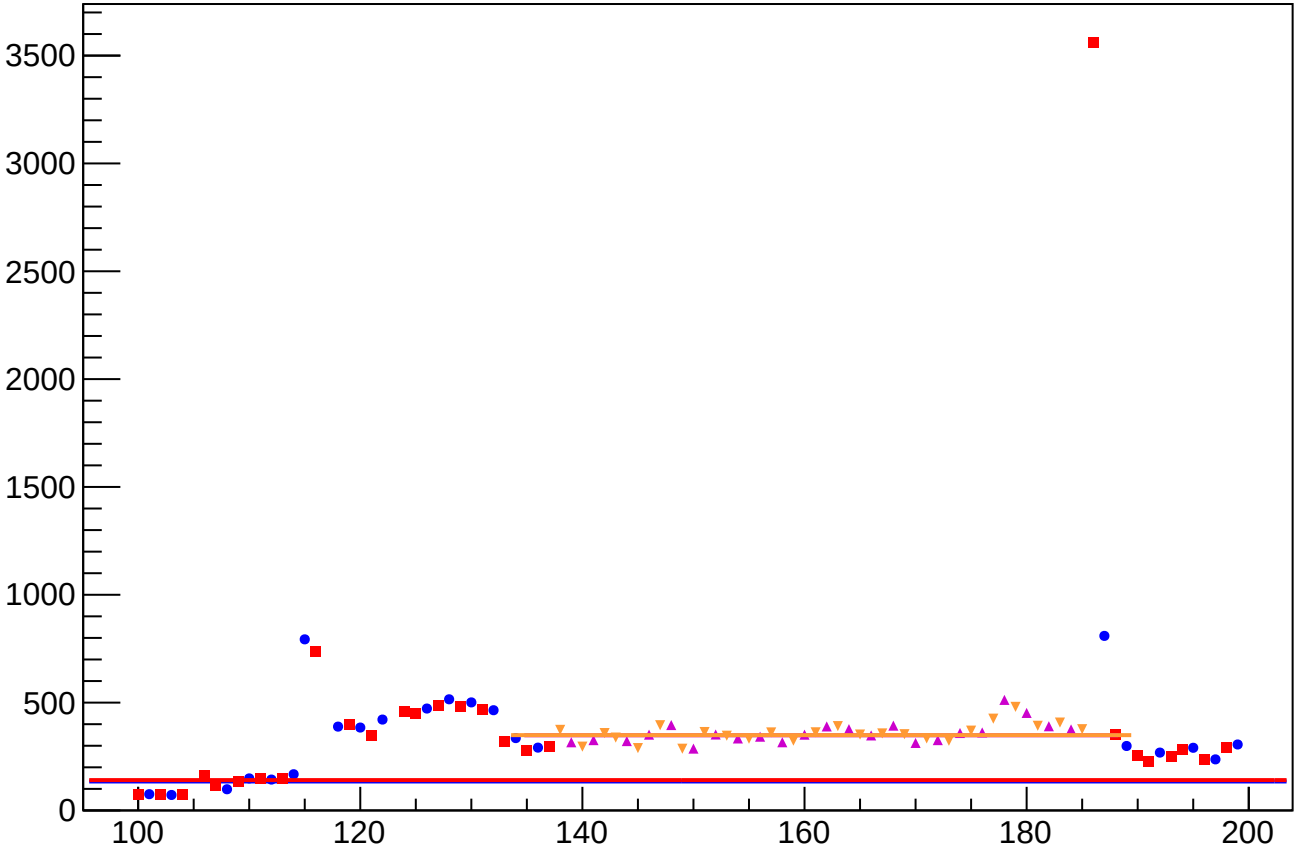
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -67.143+/-42.364 χ^2/NDF: 42.9/46

All: -30.549+/-29.834 χ^2/NDF: 103.6/96

- sign 5.454+/-42.021 χ^2/NDF: 59.3/49

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 134.376+/-0.035 χ^2/NDF: 8306352.4/21

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 140.737+/-0.035 χ^2/NDF: 8608167.4/26

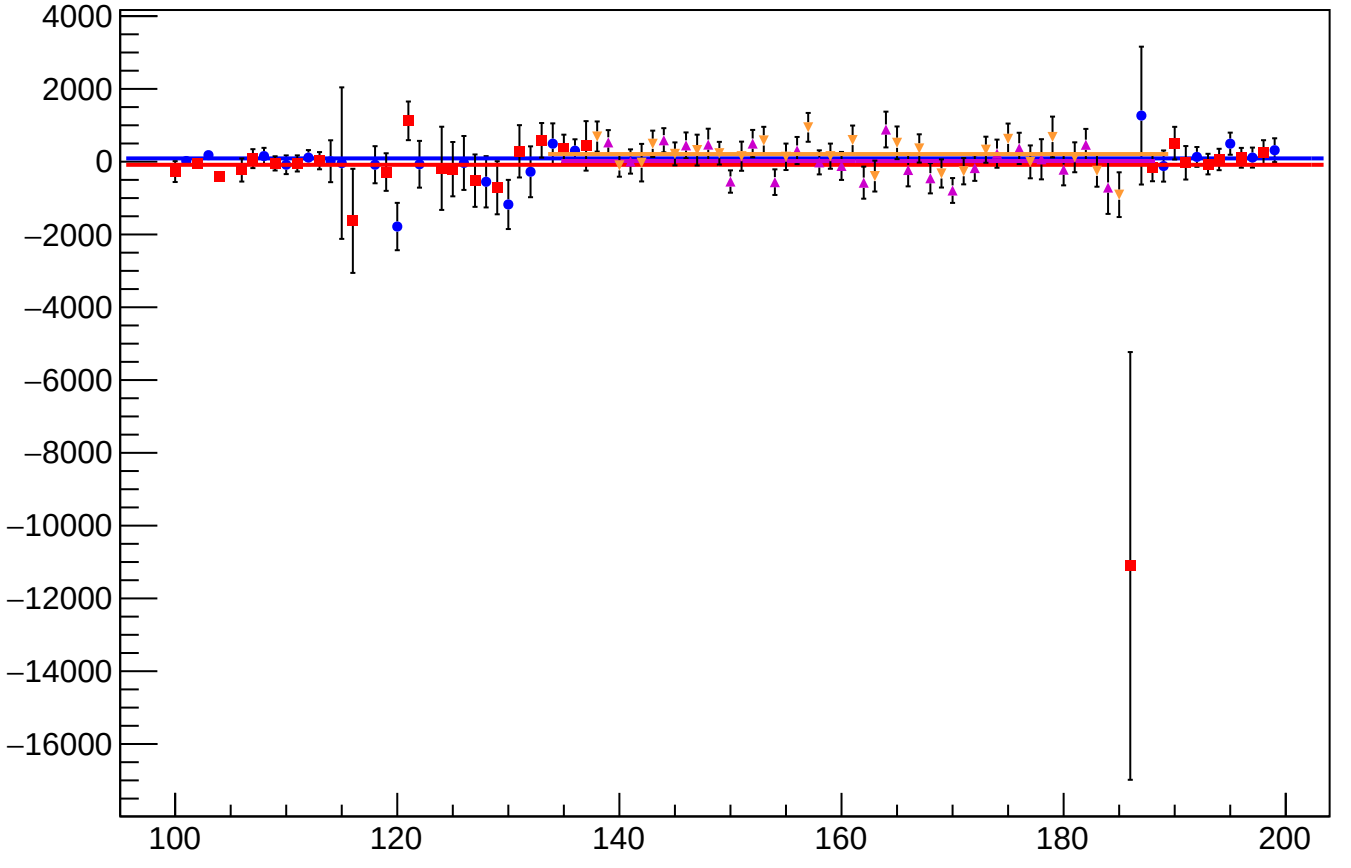
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 194.412+/-0.030 χ^2/NDF: 19184539.9/46

All: 194.695+/-0.021 χ^2/NDF: 37753607.9/96

- sign 194.973+/-0.030 χ^2/NDF: 18568891.2/49

asym_sam_15_avg_mean vs Slug



Right In: 90.356+/-54.376 χ^2/NDF: 18.8/21

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -85.673+/-52.596 χ^2/NDF: 28.7/26

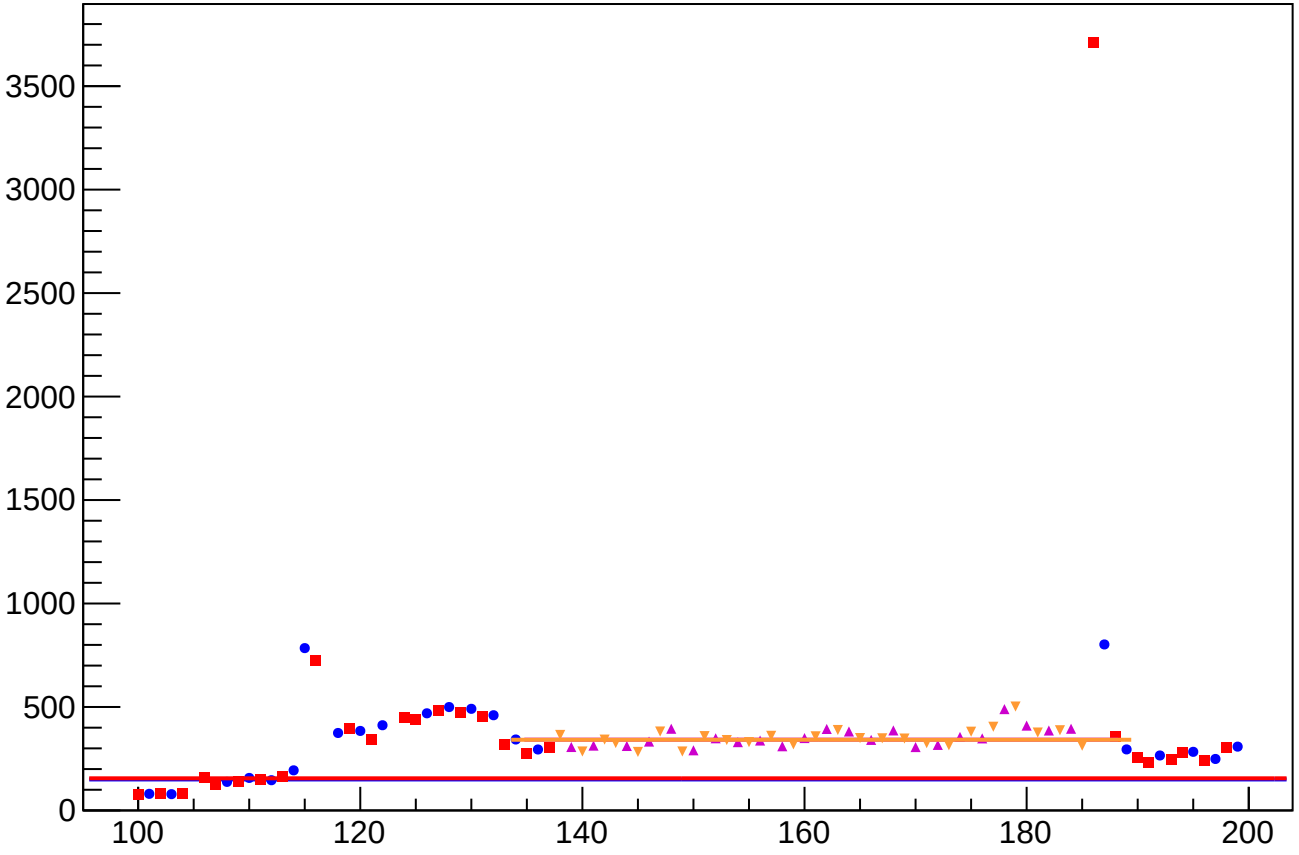
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 129.083+/-44.701 χ^2/NDF: 41.8/46

All: 35.949+/-31.381 χ^2/NDF: 112.2/96

- sign -54.544+/-44.063 χ^2/NDF: 61.9/49

asym_sam_15_avg_rms vs Slug



Right In: 149.837+/-0.038 χ^2/NDF: 7482006.6/21

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

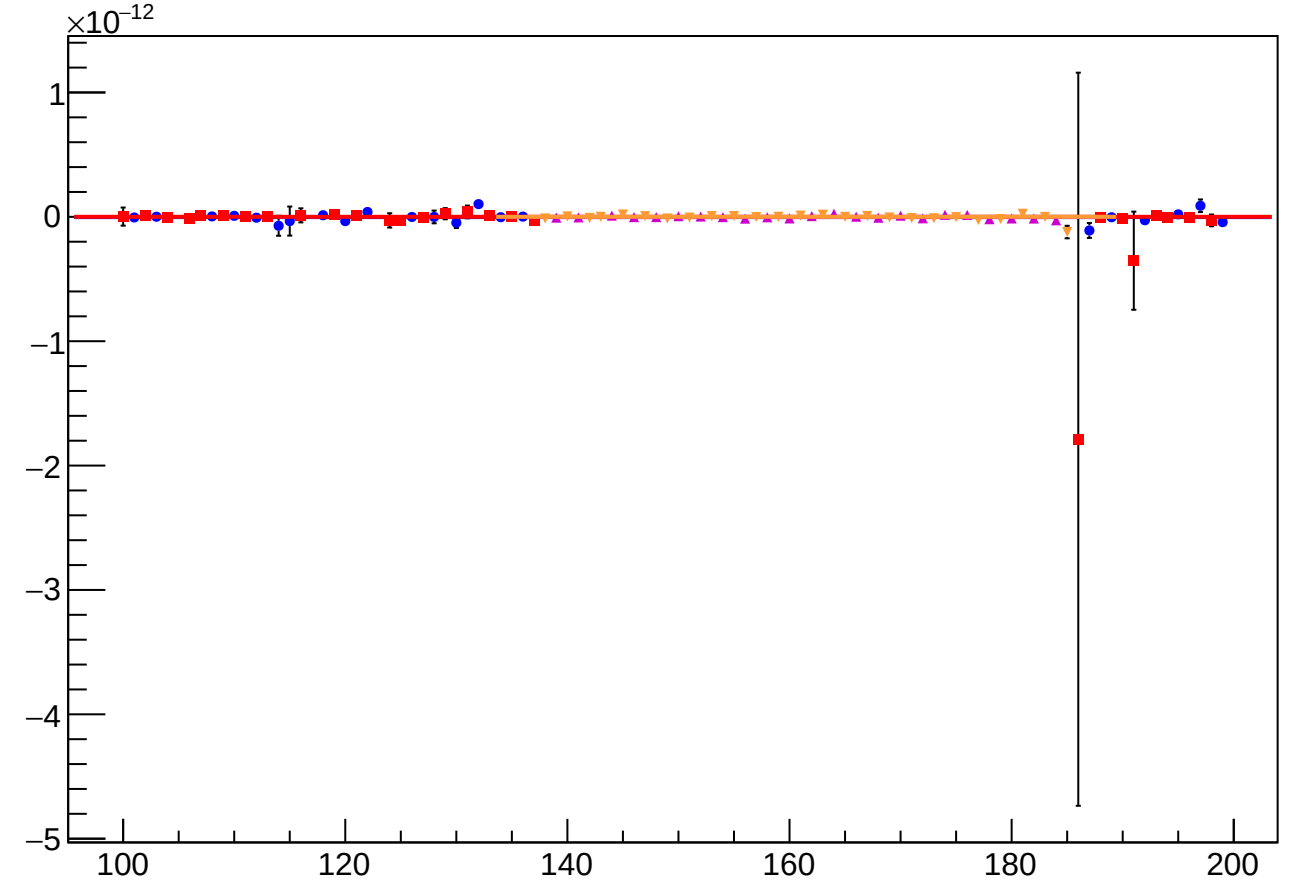
Right Out: 155.286+/-0.037 χ^2/NDF: 7686423.2/26

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 211.997+/-0.032 χ^2/NDF: 16098607.0/46

All: 211.458+/-0.022 χ^2/NDF: 31781015.7/96

- sign 210.935+/-0.031 χ^2/NDF: 15681836.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

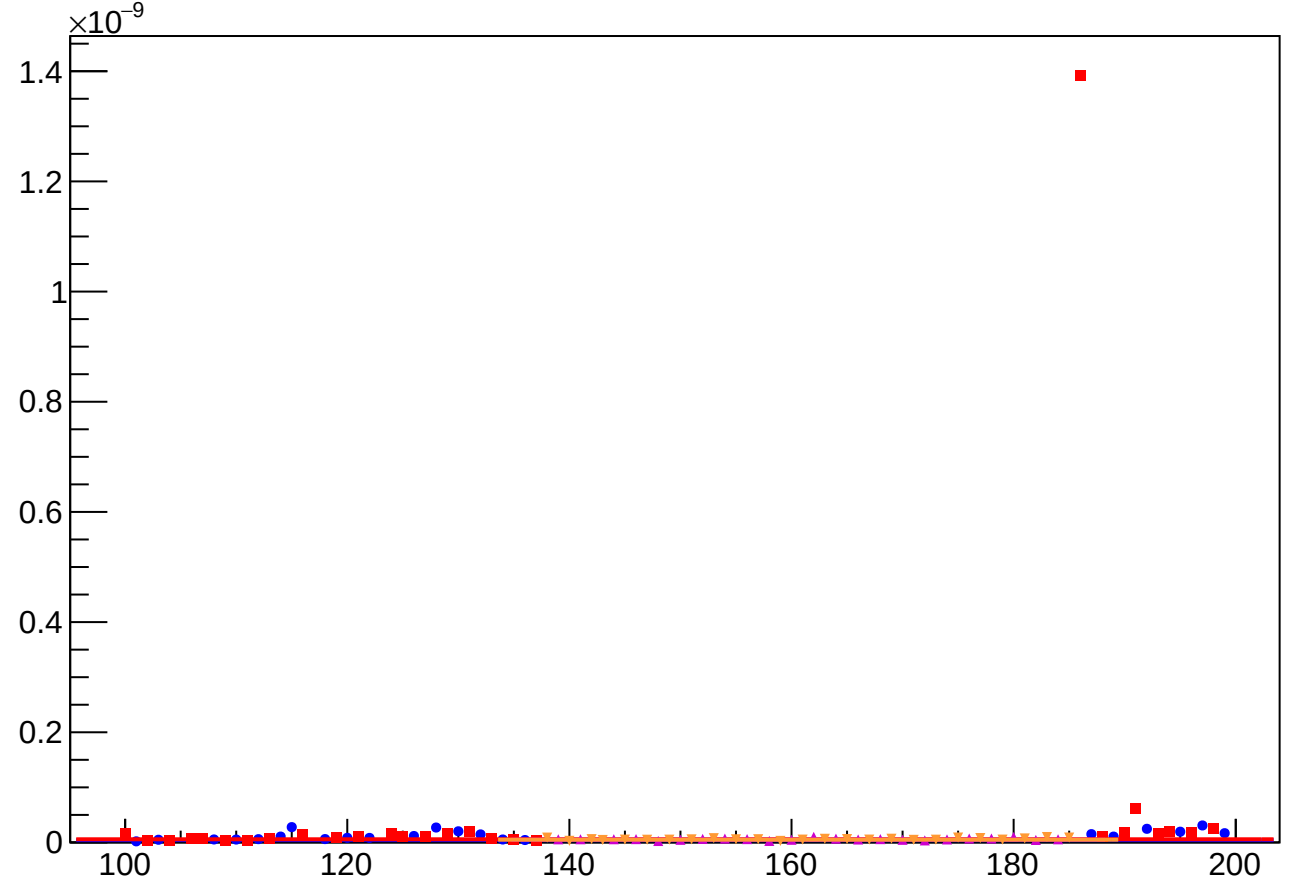
Right Out: 0.000+/-0.000 χ^2/NDF: 12.5/26

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/46

All: -0.000+/-0.000 χ^2/NDF: 89.6/96

- sign -0.000+/-0.000 χ^2/NDF: 33.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 4511239.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3584775.6/26

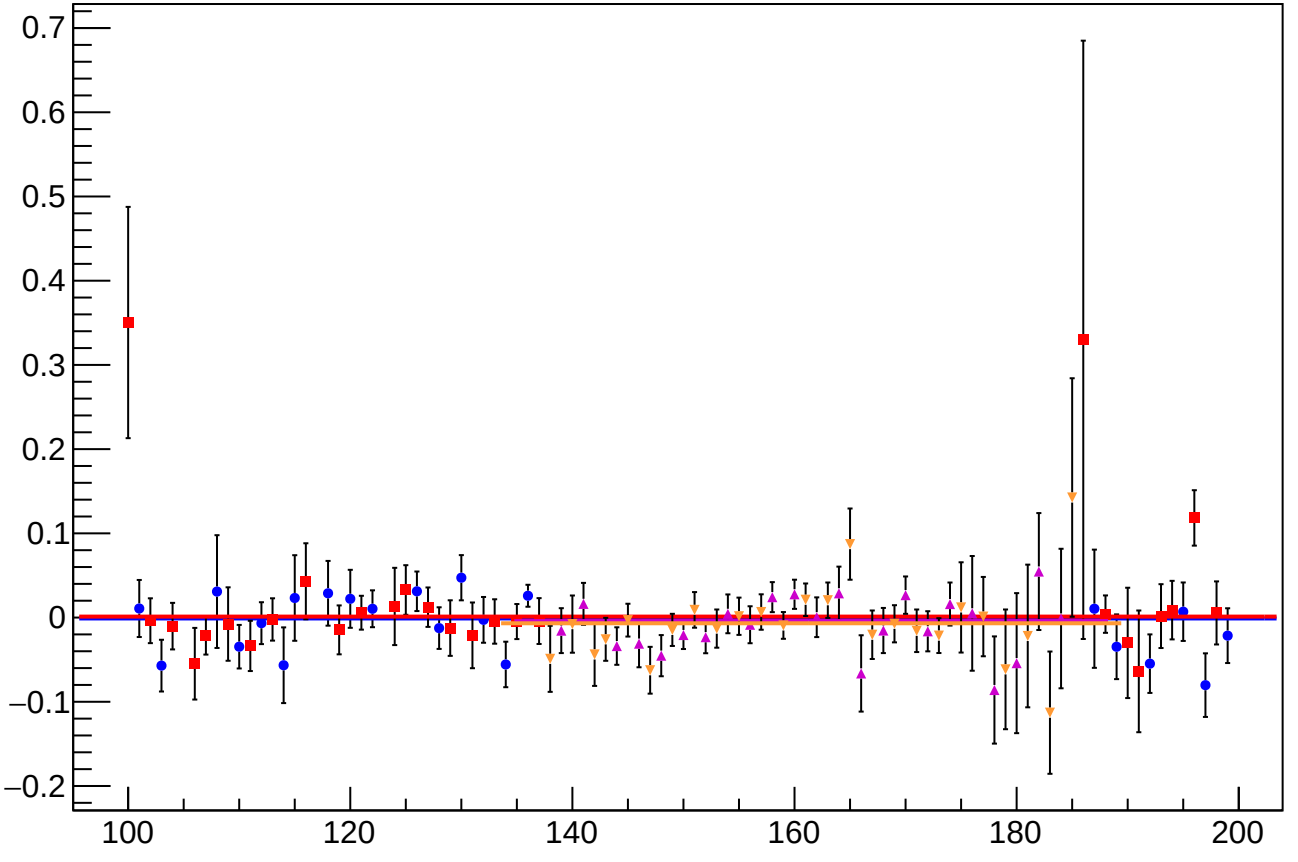
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5955764.7/46

All: 0.000+/-0.000 χ^2/NDF: 10955297.3/96

- sign 0.000+/-0.000 χ^2/NDF: 4894306.0/49

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/26

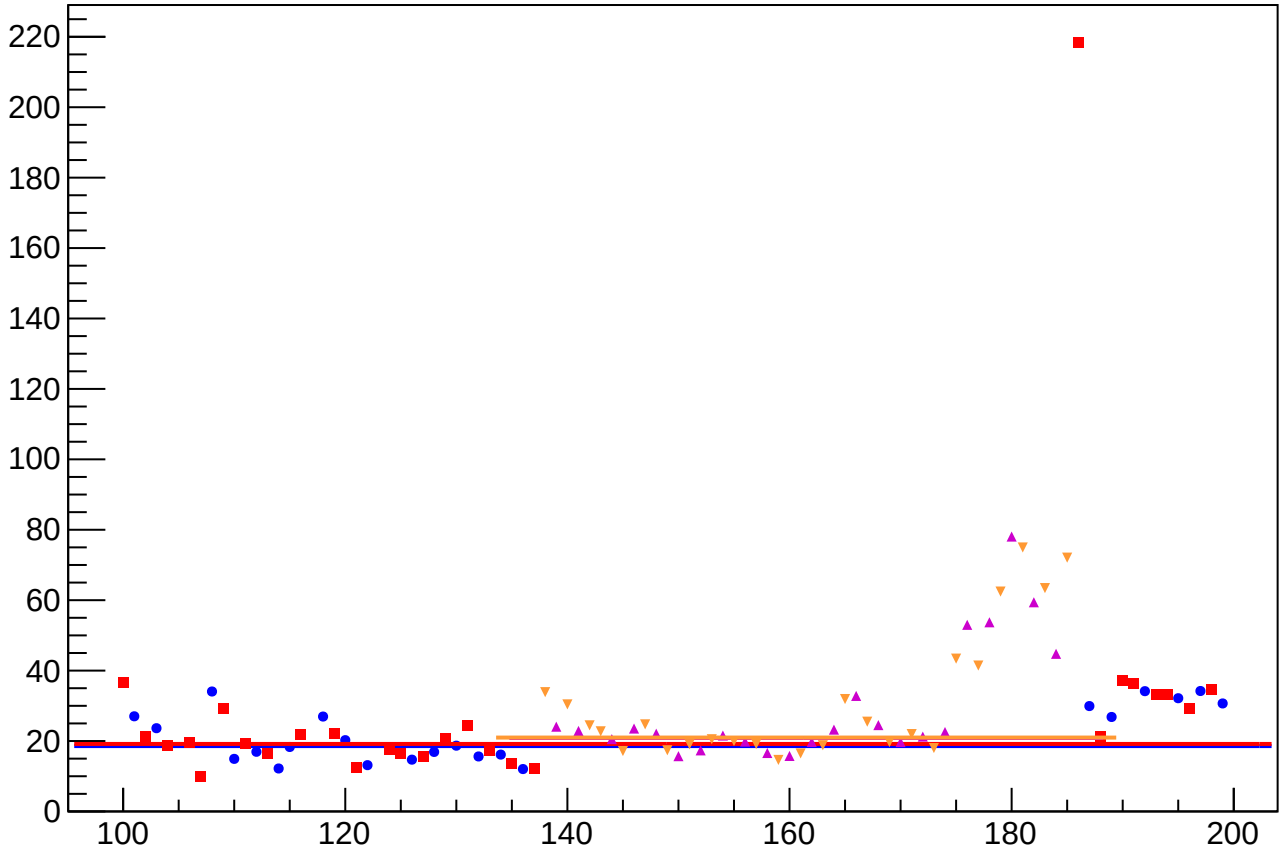
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.5/46

All: -0.003+/-0.003 χ^2/NDF: 105.1/96

- sign -0.002+/-0.004 χ^2/NDF: 52.4/49

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.566+/-0.004 χ^2/NDF: 2674994.3/21

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 19.172+/-0.004 χ^2/NDF: 3165406.0/26

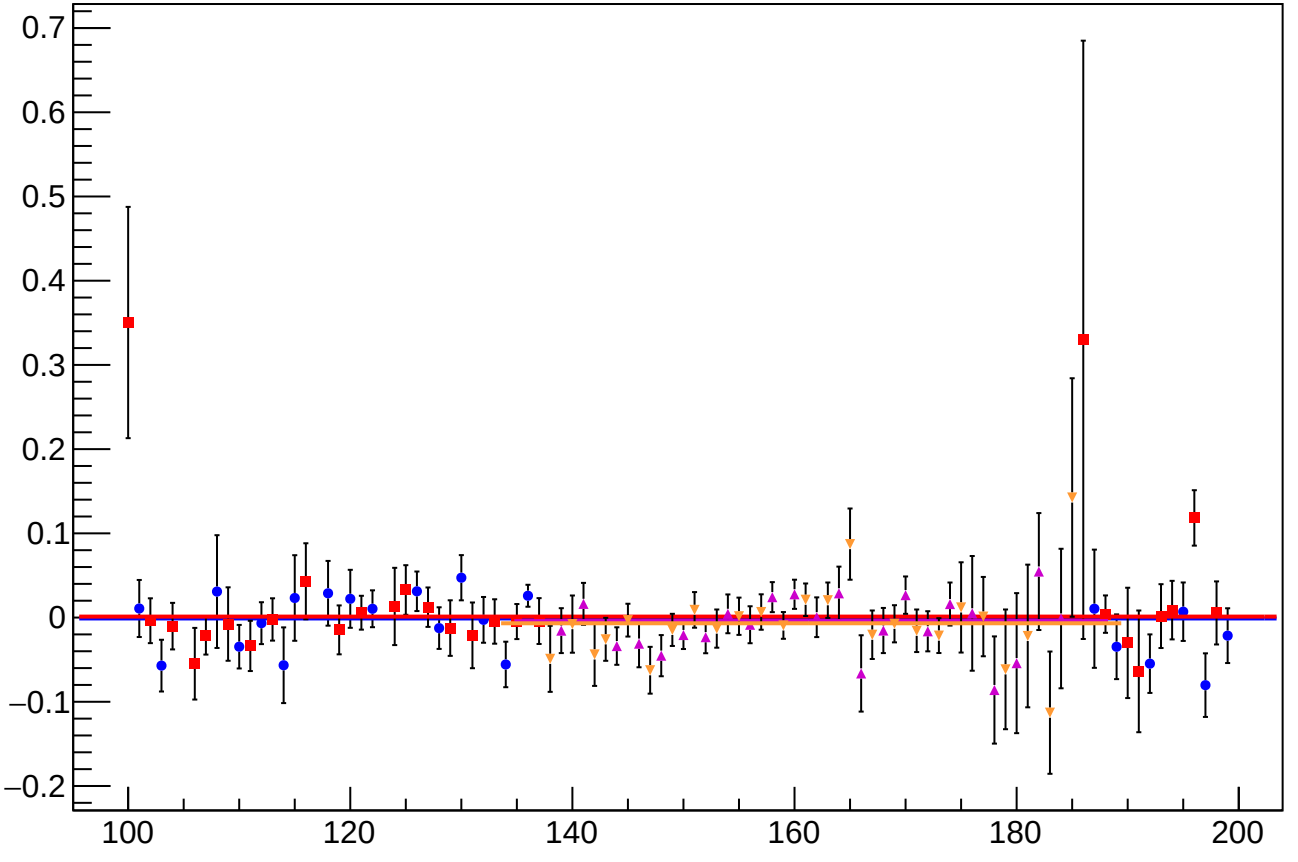
Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.953+/-0.003 χ^2/NDF: 7325371.1/46

All: 20.035+/-0.002 χ^2/NDF: 14118356.6/96

- sign 20.117+/-0.003 χ^2/NDF: 6791258.4/49

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/26

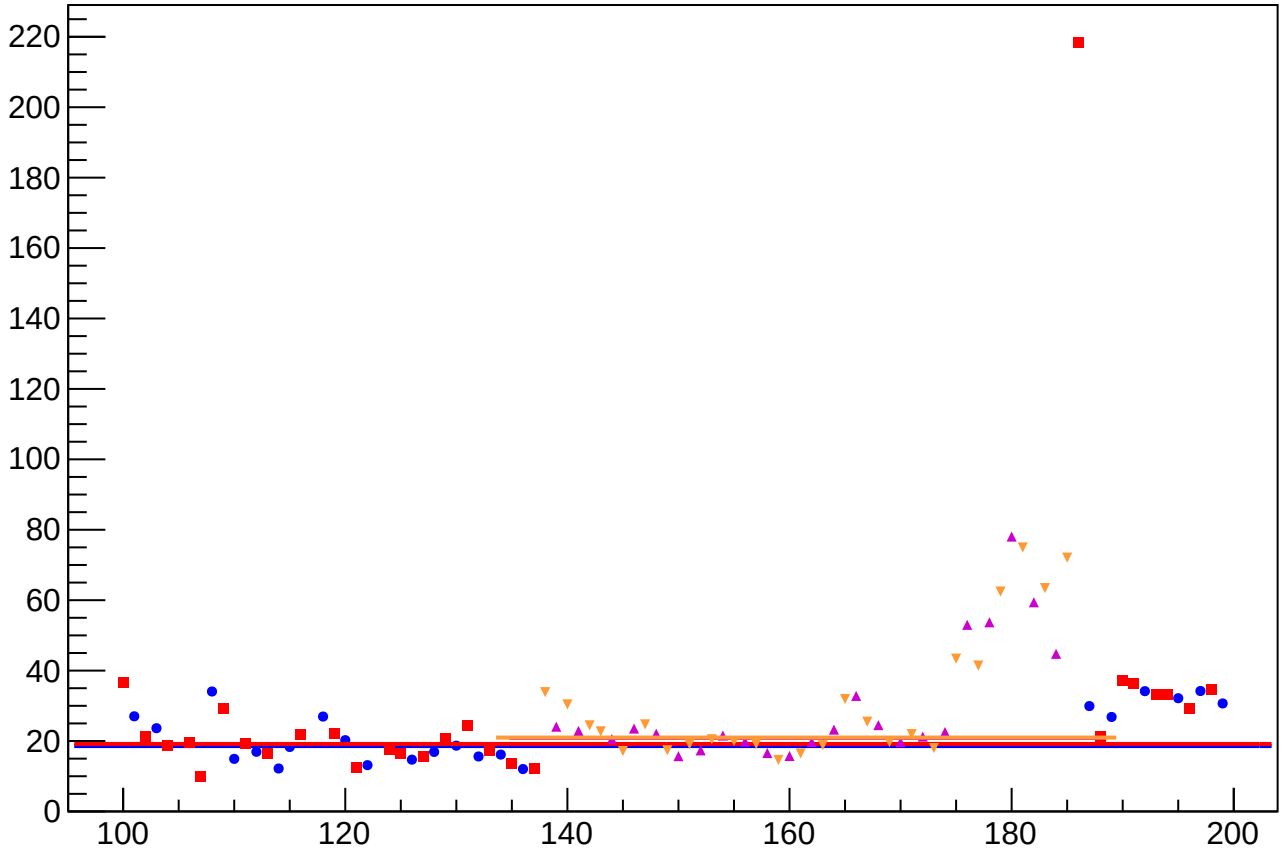
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.5/46

All: -0.003+/-0.003 χ^2/NDF: 105.1/96

- 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: 18.566+/-0.004 χ^2/NDF: 2674994.3/21

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

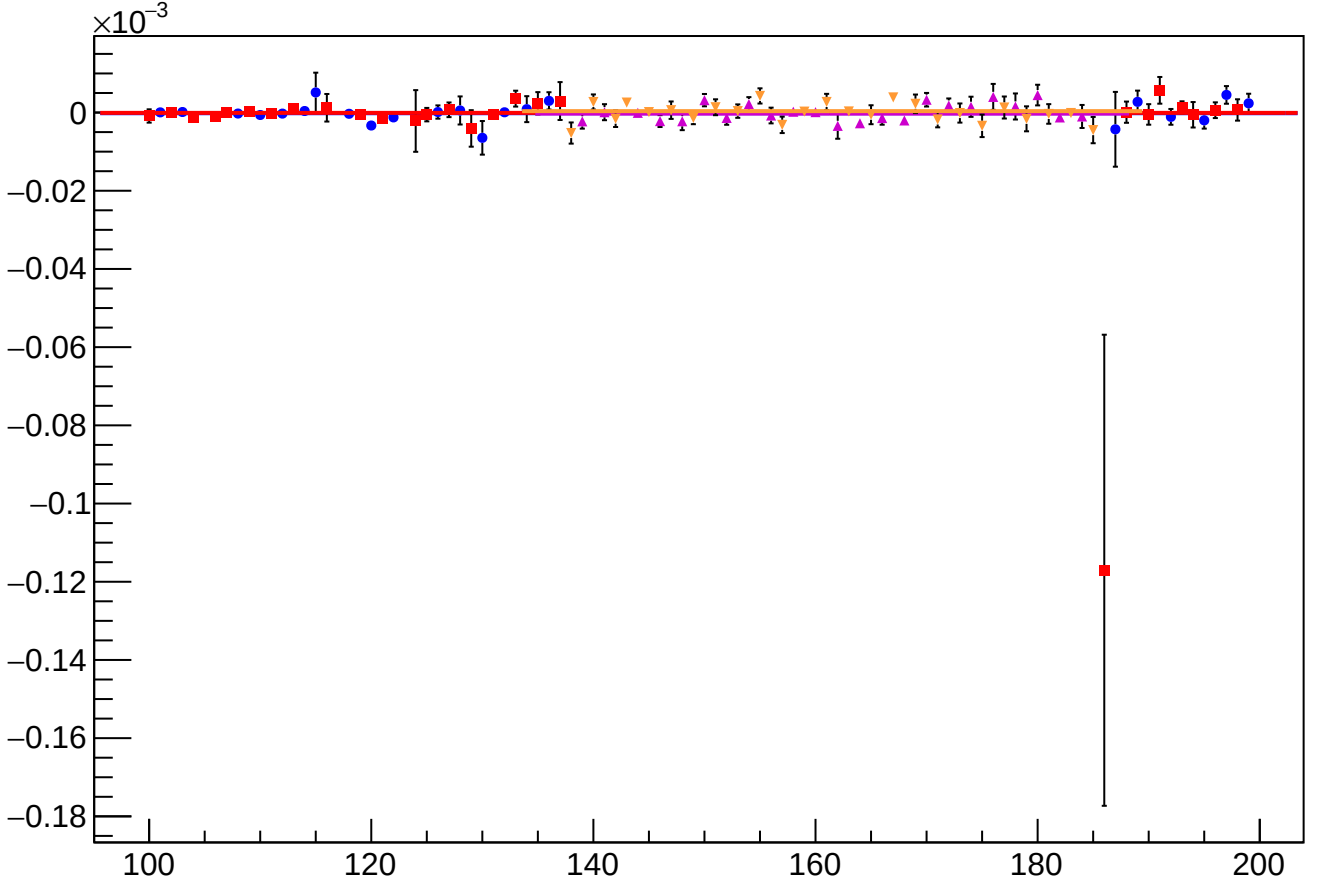
Right Out: 19.172+/-0.004 χ^2/NDF: 3165406.0/26

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.953+/-0.003 χ^2/NDF: 7325371.1/46

All: 20.035+/-0.002 χ^2/NDF: 14118356.6/96

- sign 20.117+/-0.003 χ^2/NDF: 6791258.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

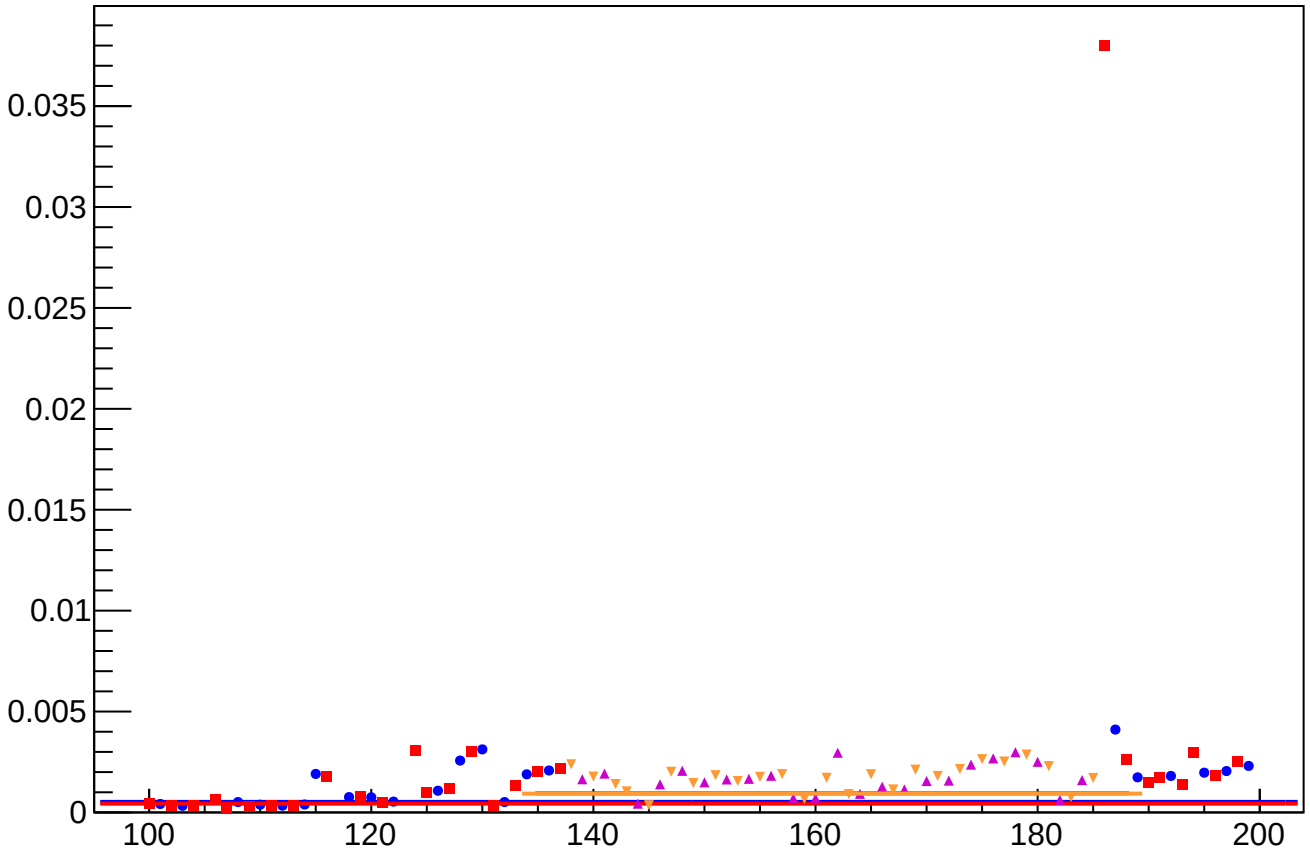
Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.9/46

All: -0.000+/-0.000 χ^2/NDF: 119.3/96

- sign -0.000+/-0.000 χ^2/NDF: 59.8/49



Right In: 0.001+/-0.000 χ^2/NDF: 8546038.6/21

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

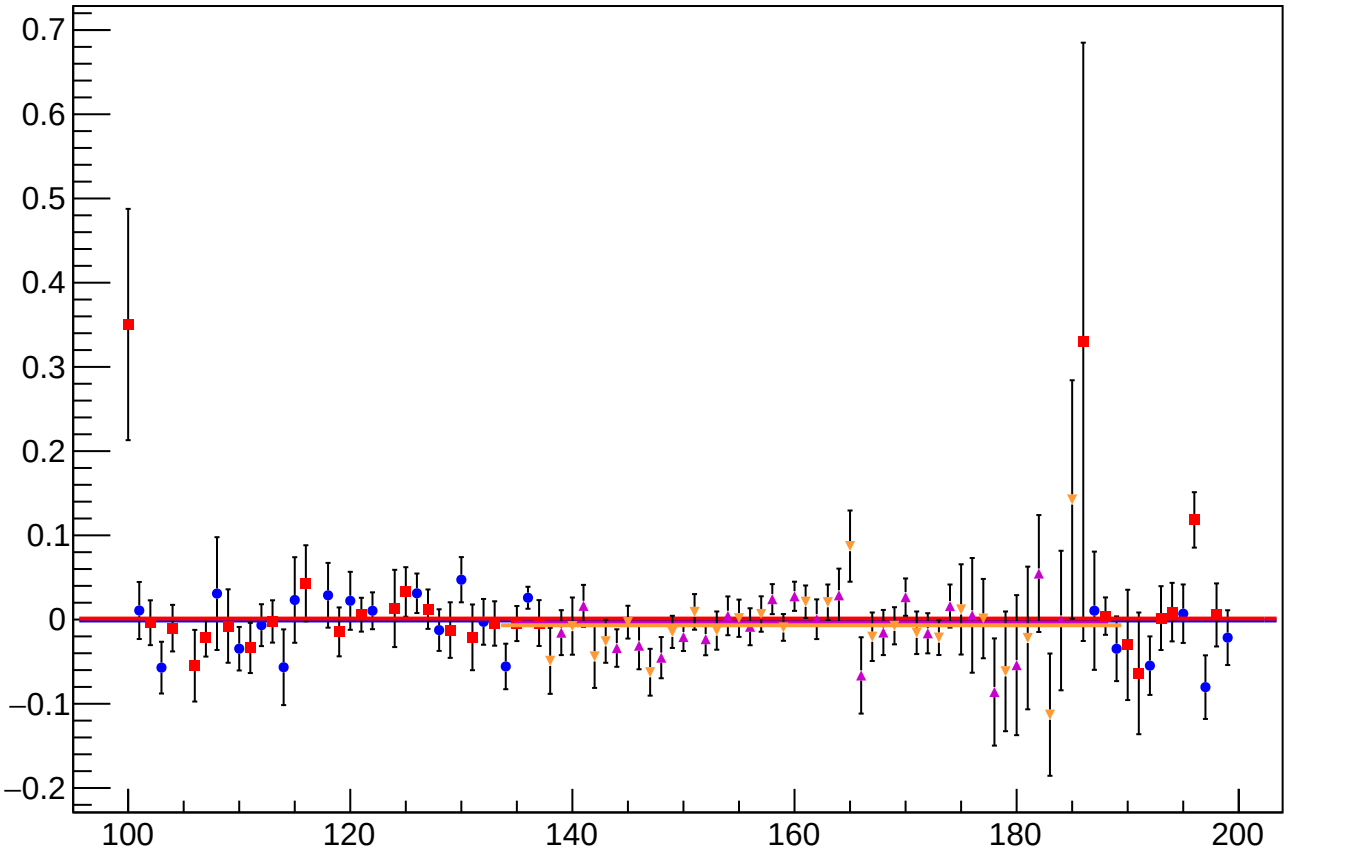
Right Out: 0.000+/-0.000 χ^2/NDF: 10932741.9/26

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 23595866.3/46

All: 0.001+/-0.000 χ^2/NDF: 49676552.1/96

- sign 0.001+/-0.000 χ^2/NDF: 25721966.2/49



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

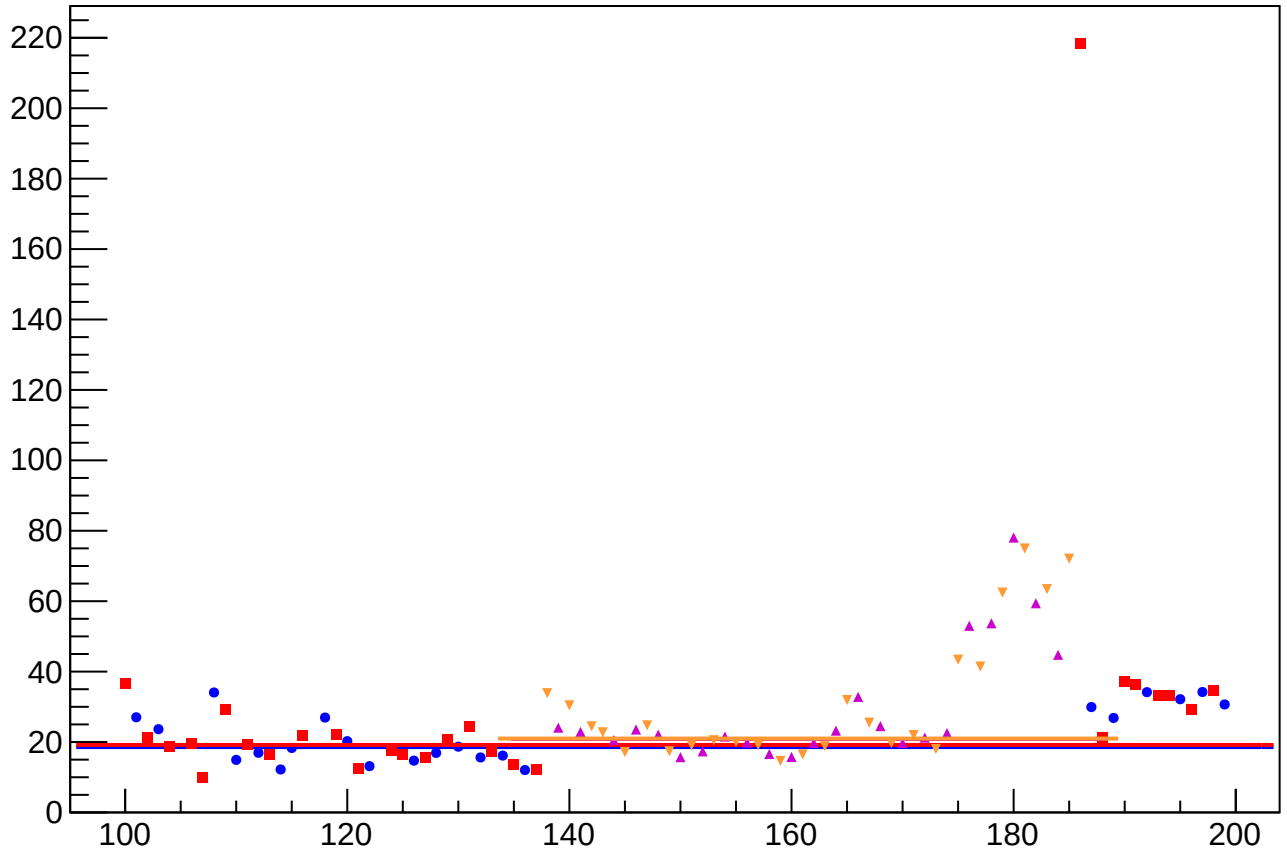
Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/26

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.5/46

All: -0.003+/-0.003 χ^2/NDF: 105.1/96

- sign -0.002+/-0.004 χ^2/NDF: 52.4/49



Right In: 18.566+/-0.004 χ^2/NDF: 2675012.2/21

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

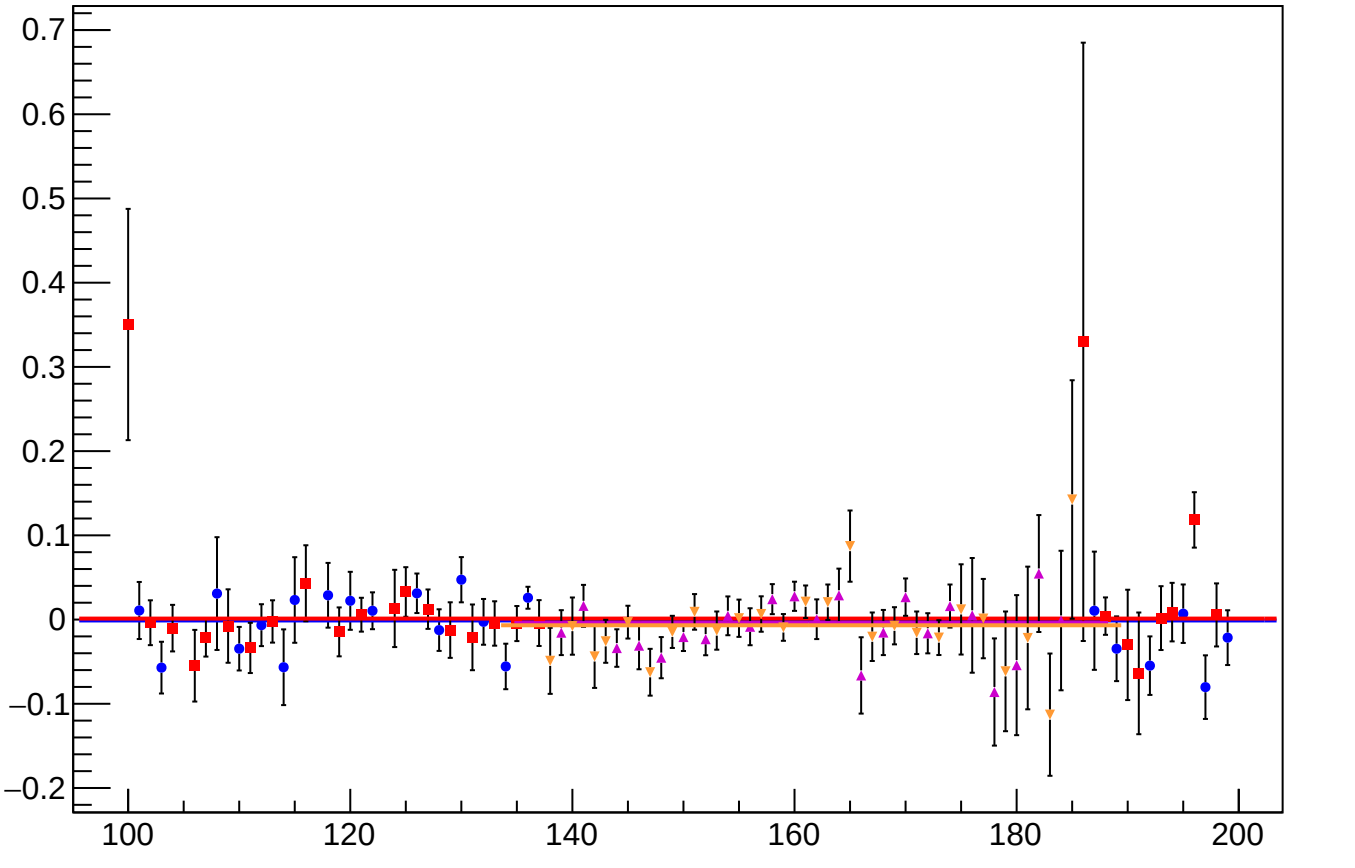
Right Out: 19.172+/-0.004 χ^2/NDF: 3165426.6/26

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.953+/-0.003 χ^2/NDF: 7325410.7/46

All: 20.035+/-0.002 χ^2/NDF: 14118494.8/96

- sign 20.117+/-0.003 χ^2/NDF: 6791358.4/49



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

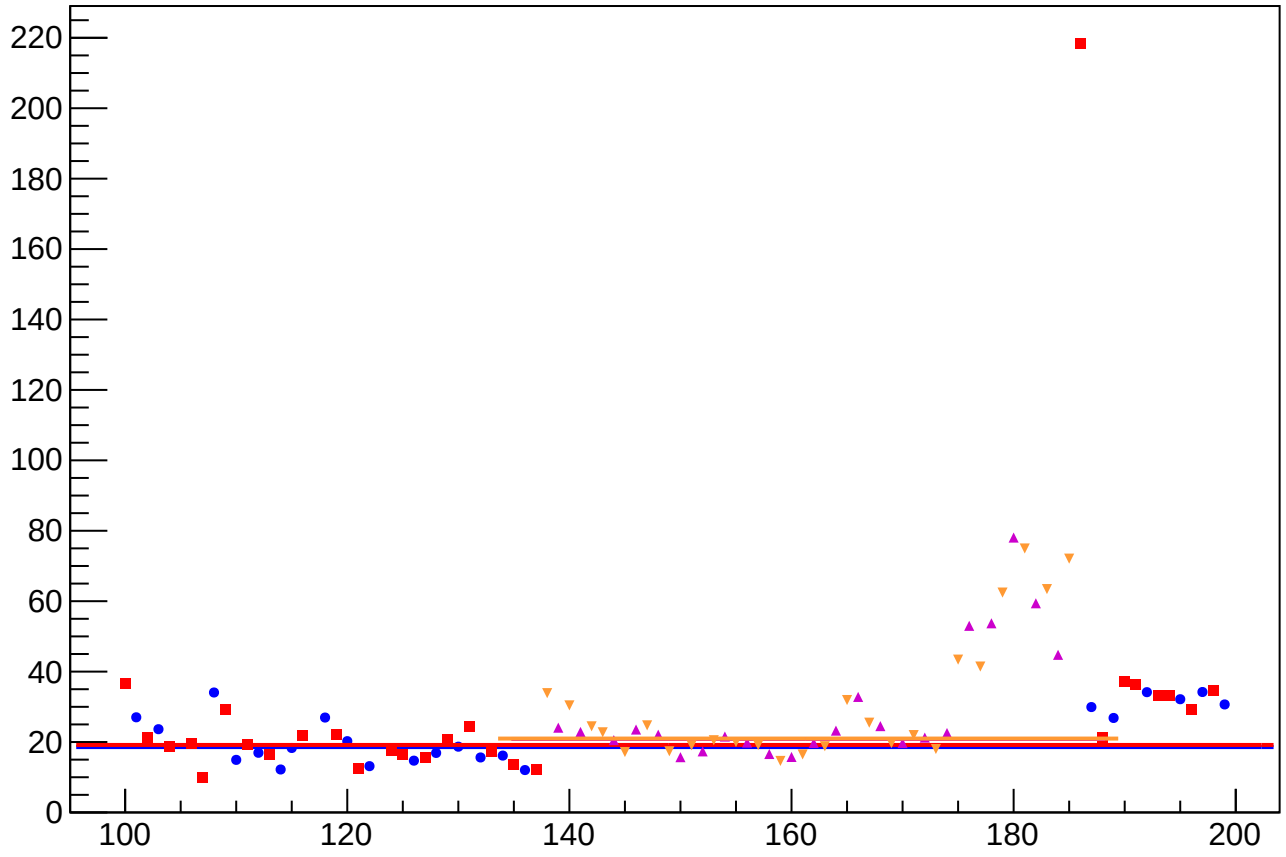
Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/26

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.5/46

All: -0.003+/-0.003 χ^2/NDF: 105.1/96

- sign -0.002+/-0.004 χ^2/NDF: 52.4/49



Right In: 18.566+/-0.004 χ^2/NDF: 2675012.2/21

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

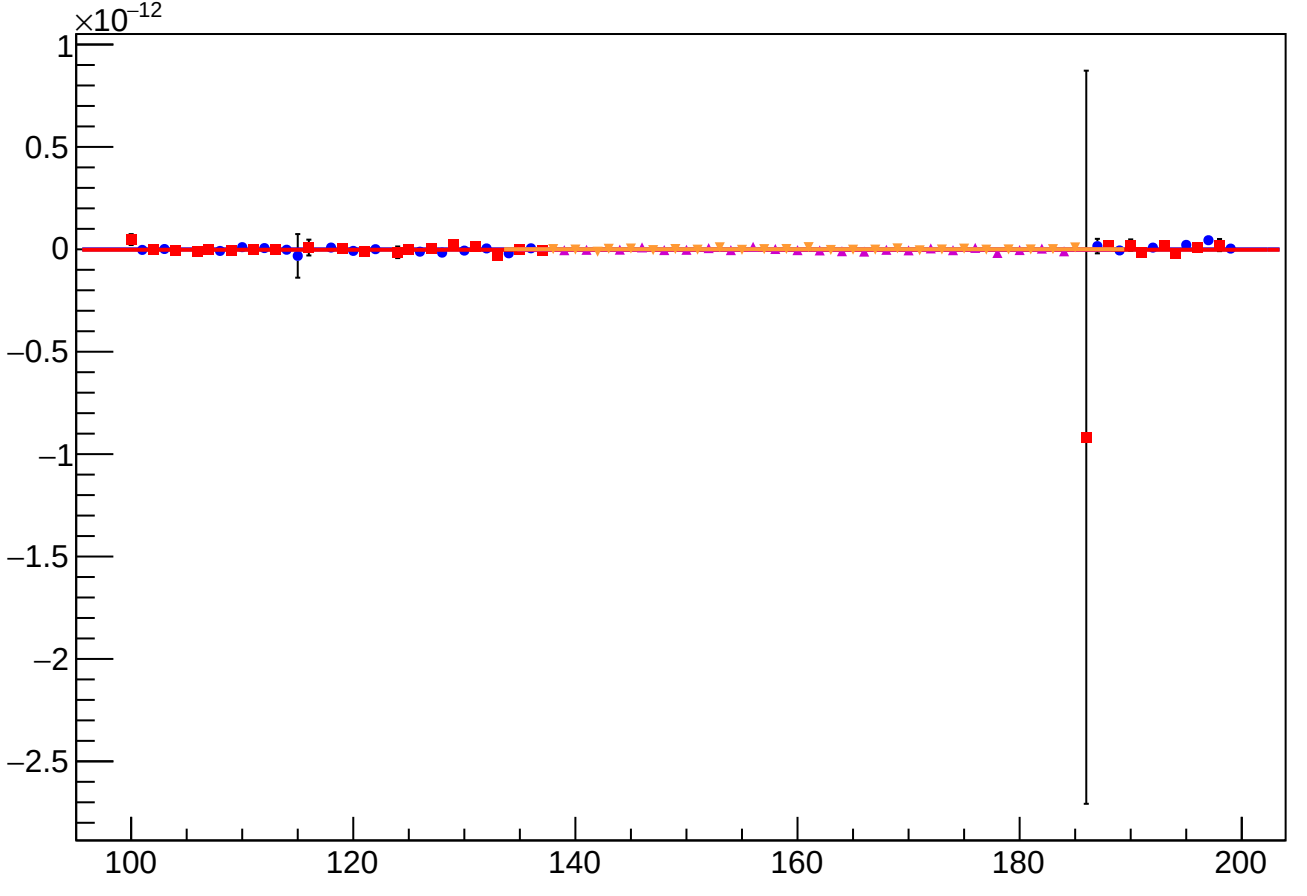
Right Out: 19.172+/-0.004 χ^2/NDF: 3165426.6/26

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.953+/-0.003 χ^2/NDF: 7325410.7/46

All: 20.035+/-0.002 χ^2/NDF: 14118494.8/96

- sign 20.117+/-0.003 χ^2/NDF: 6791358.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

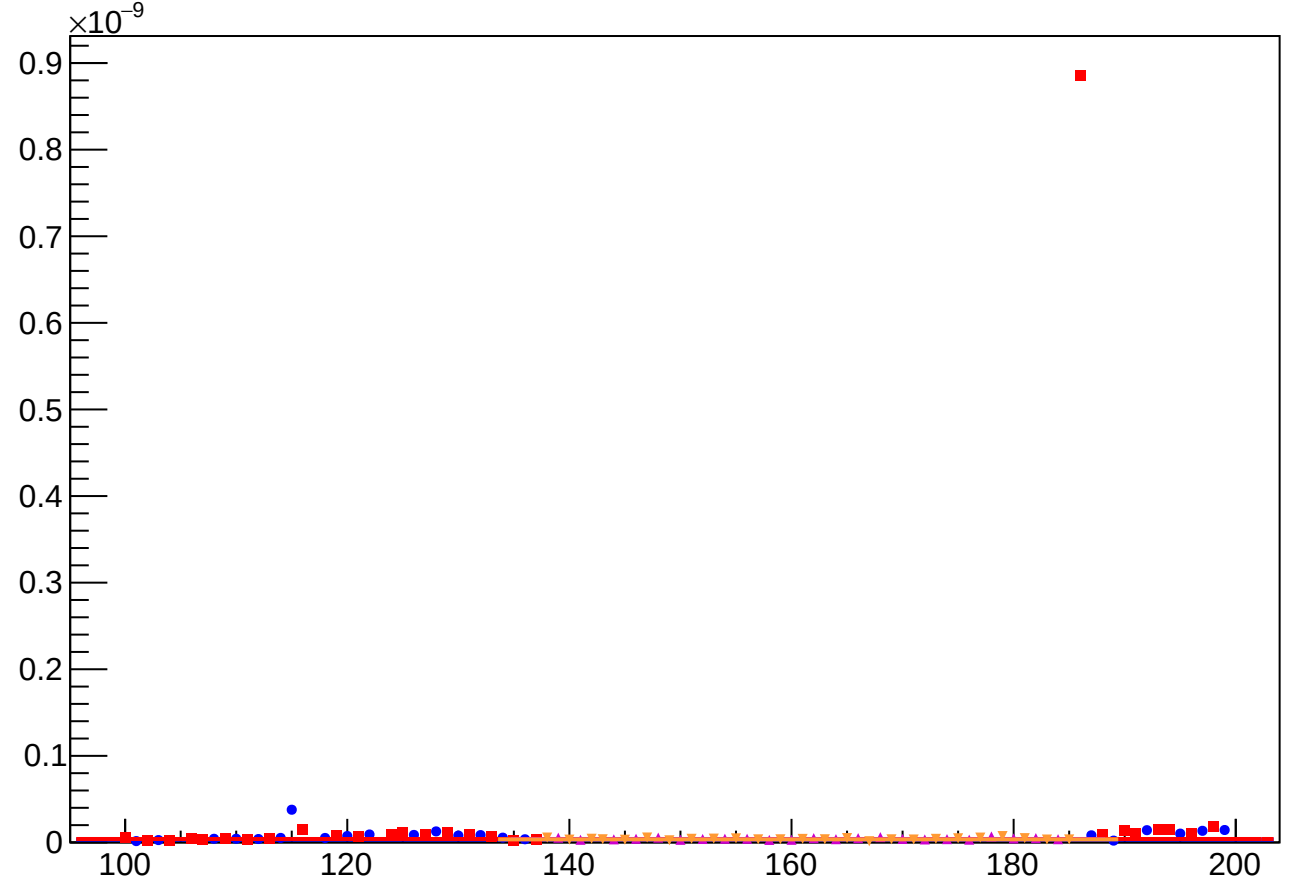
Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/26

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.3/46

All: -0.000+/-0.000 χ^2/NDF: 83.1/96

- sign -0.000+/-0.000 χ^2/NDF: 48.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 5135198.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5801496.5/26

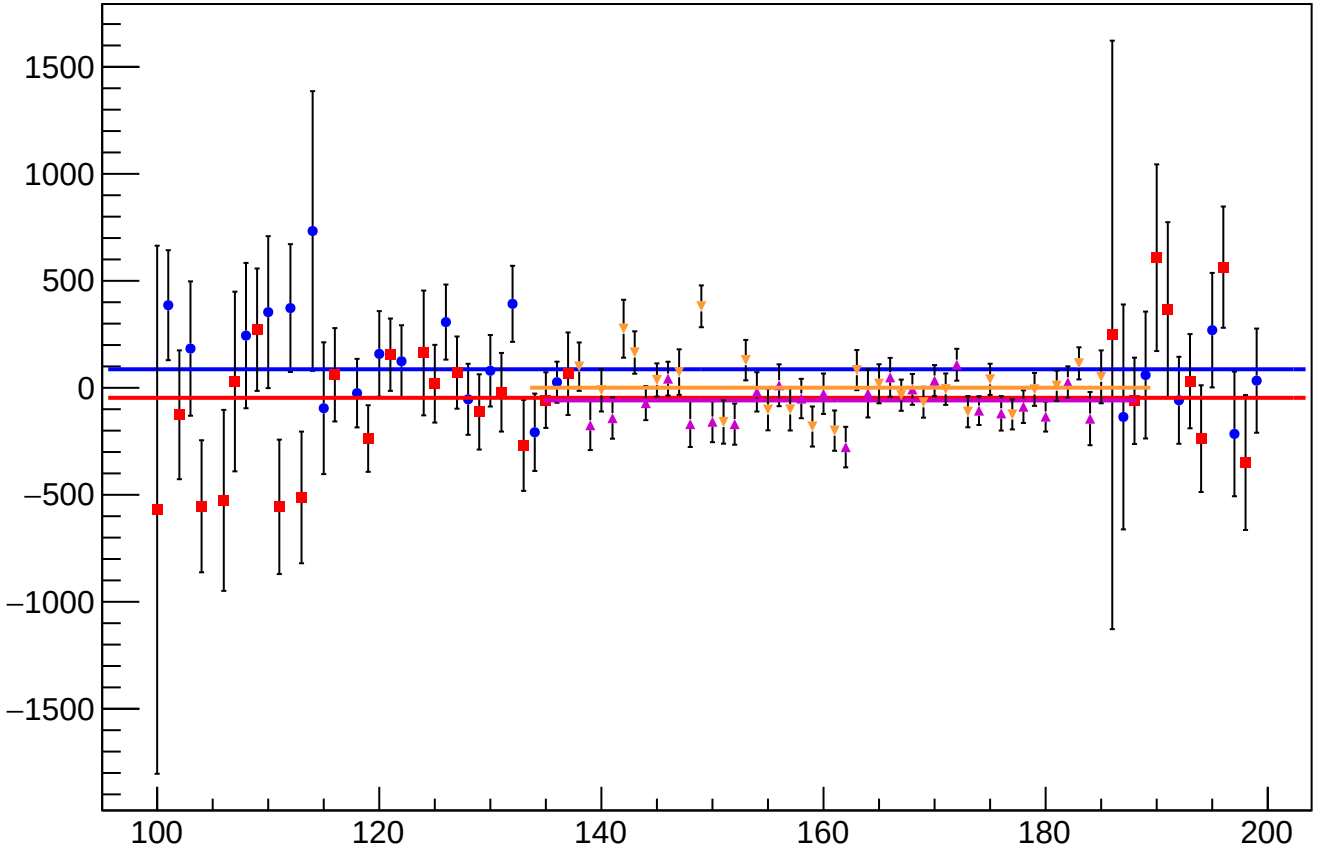
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7701225.2/46

All: 0.000+/-0.000 χ^2/NDF: 14981268.3/96

- sign 0.000+/-0.000 χ^2/NDF: 7003651.0/49

reg_asym_sam_26_avg_mean vs Slug



Right In: 86.683+/-43.744 χ^2/NDF: 15.7/21

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -46.688+/-44.433 χ^2/NDF: 25.9/26

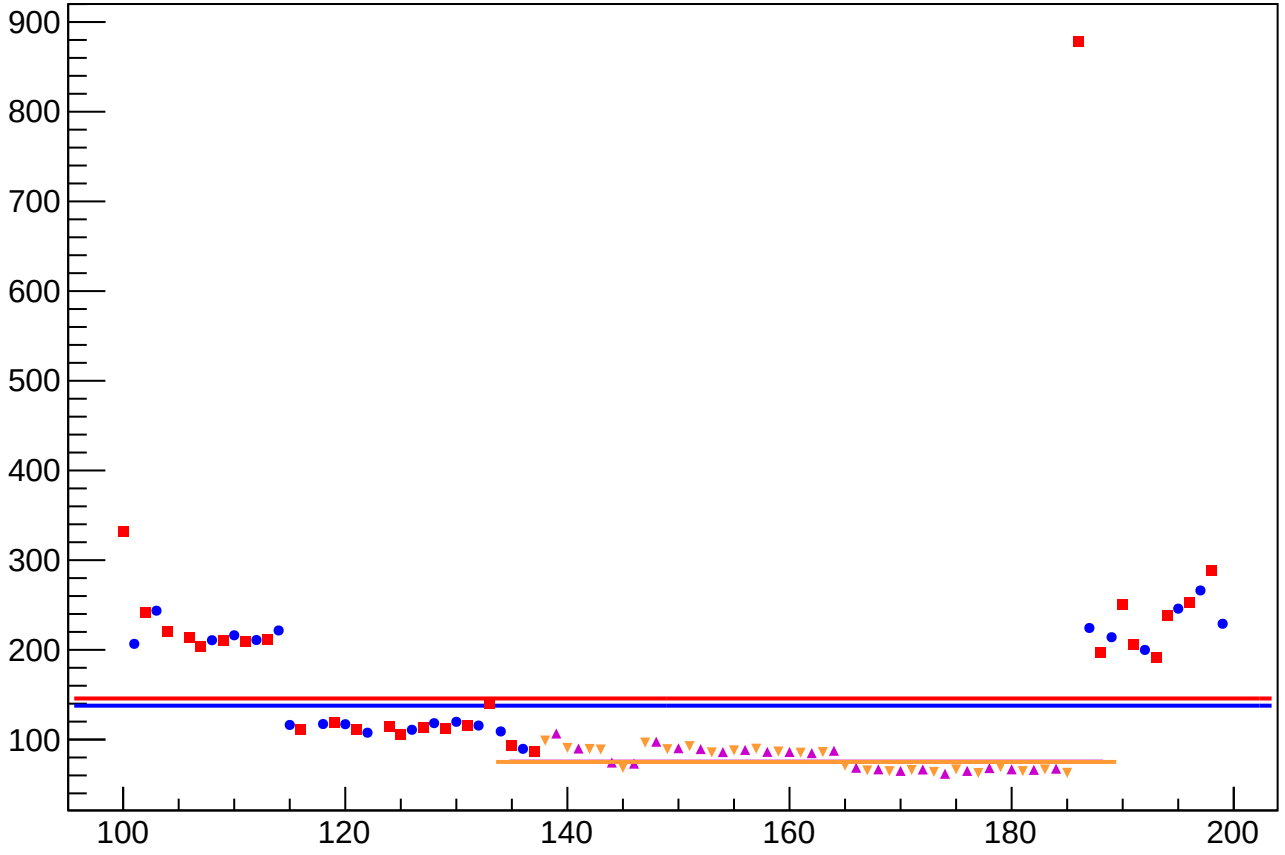
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.264+/-16.103 χ^2/NDF: 67.7/46

All: -21.443+/-11.554 χ^2/NDF: 128.5/96

- sign -57.204+/-16.587 χ^2/NDF: 51.8/49

reg_asym_sam_26_avg_rms vs Slug



Right In: 137.773+/-0.031 χ^2/NDF: 2895748.9/21

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

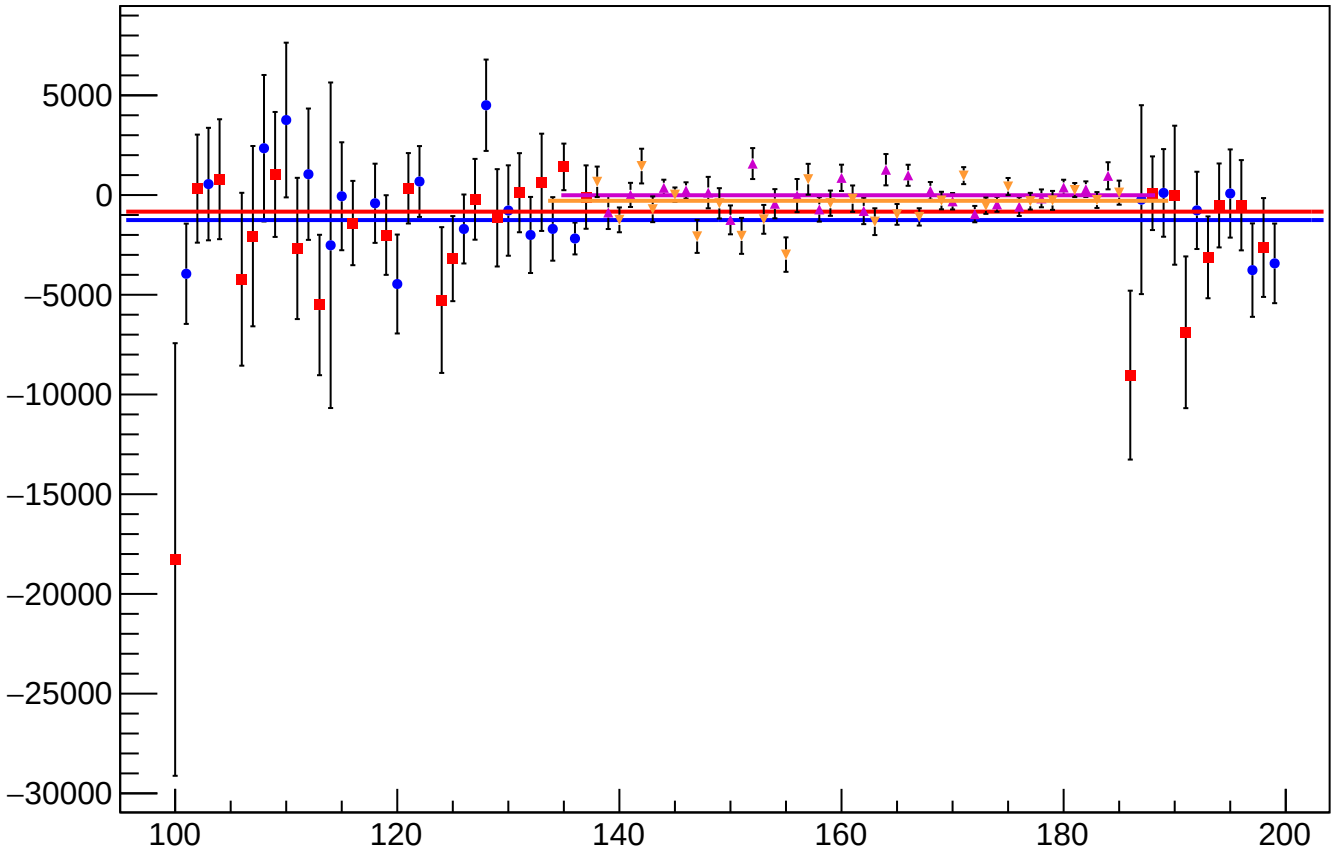
Right Out: 145.803+/-0.031 χ^2/NDF: 3673448.4/26

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 83.542+/-0.011 χ^2/NDF: 7379601.3/46

All: 84.332+/-0.008 χ^2/NDF: 16227926.3/96

- sign 85.169+/-0.012 χ^2/NDF: 8838419.3/49



Right In: -1254.669+/-425.783 χ^2/NDF: 19.1/21

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -832.293+/-447.424 χ^2/NDF: 22.7/26

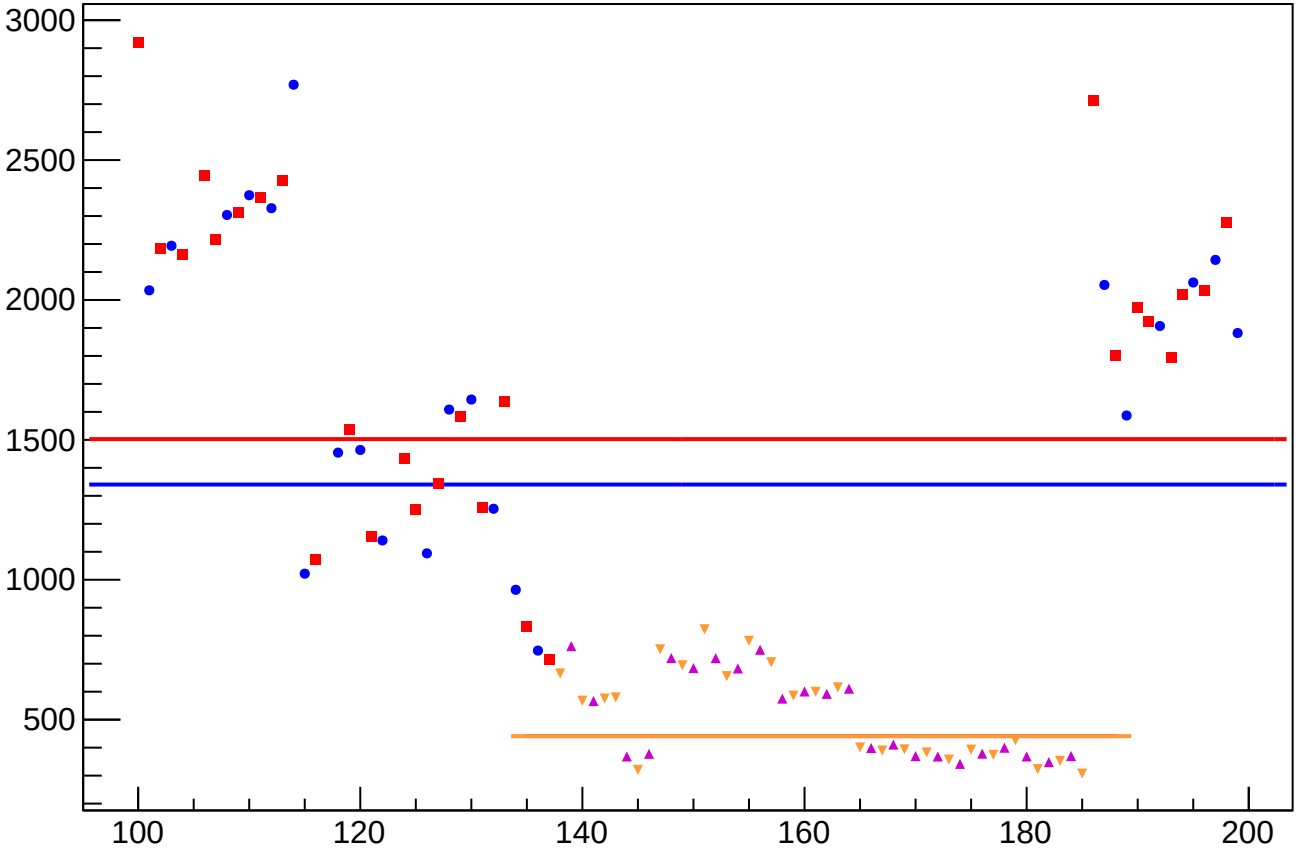
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -343.722+/-102.158 χ^2/NDF: 77.3/46

All: -203.185+/-73.112 χ^2/NDF: 140.4/96

- sign -55.619+/-104.681 χ^2/NDF: 59.3/49

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1340.327+/-0.301 χ^2/NDF: 3084074.8/21

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1502.731+/-0.316 χ^2/NDF: 2923052.8/26

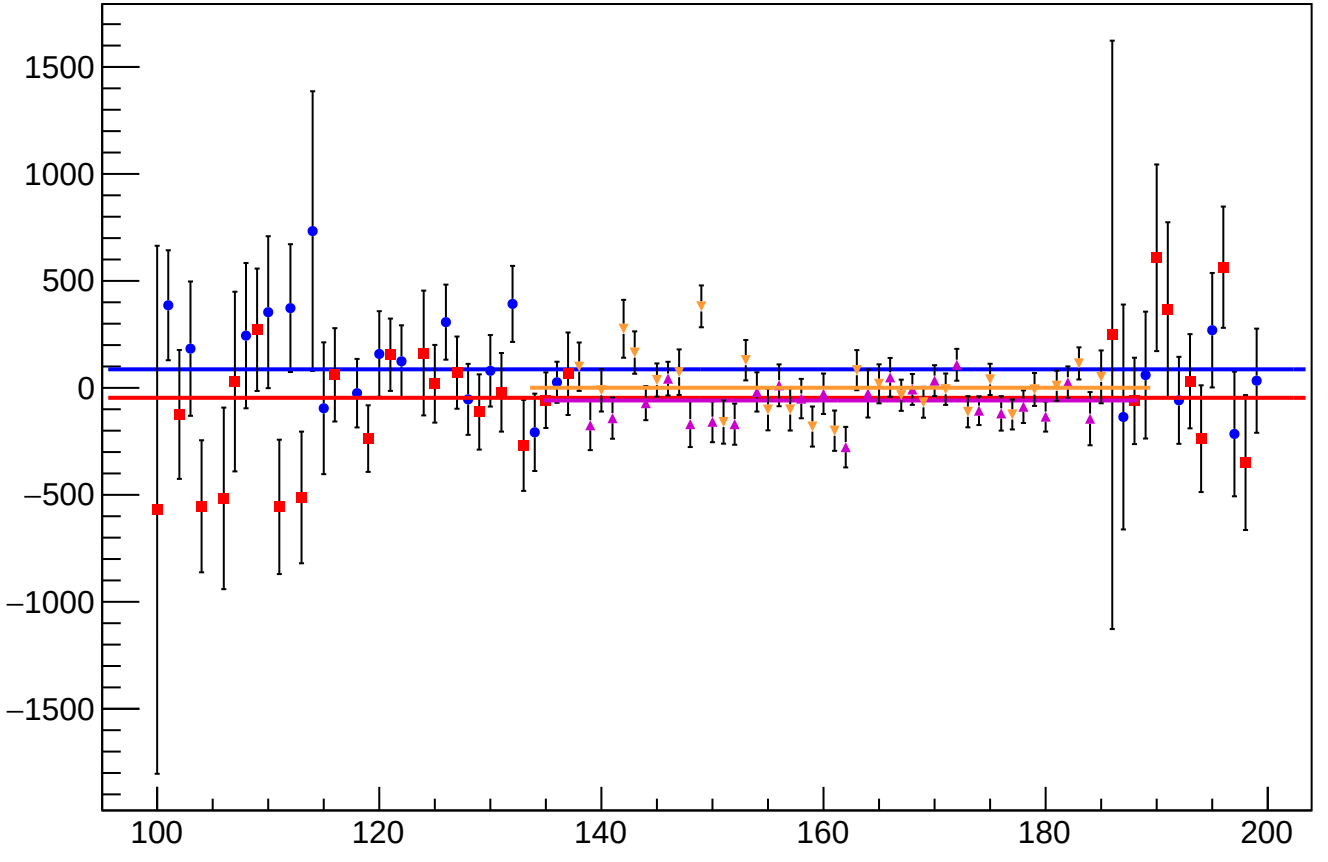
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 492.891+/-0.072 χ^2/NDF: 14725229.1/46

All: 496.019+/-0.052 χ^2/NDF: 30975903.7/96

- sign 499.303+/-0.074 χ^2/NDF: 16246831.3/49

cor_asym_sam_26_avg_mean vs Slug



Right In: 86.670+/-43.744 χ^2/NDF: 15.7/21

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -46.501+/-44.436 χ^2/NDF: 25.8/26

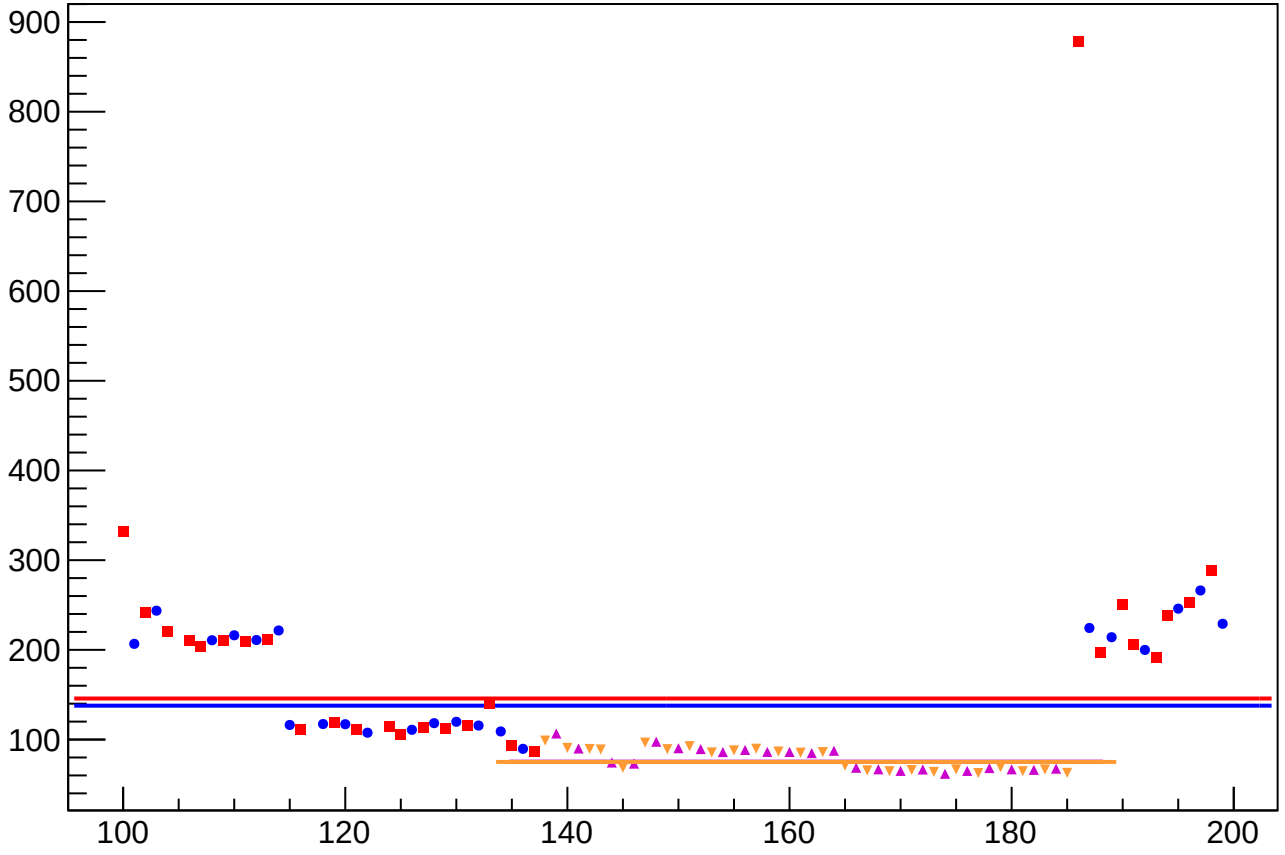
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.262+/-16.103 χ^2/NDF: 67.7/46

All: -21.430+/-11.554 χ^2/NDF: 128.4/96

- sign -57.176+/-16.587 χ^2/NDF: 51.7/49

cor_asym_sam_26_avg_rms vs Slug



Right In: 137.773+/-0.031 χ^2/NDF: 2895751.4/21

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.765+/-0.031 χ^2/NDF: 3668849.1/26

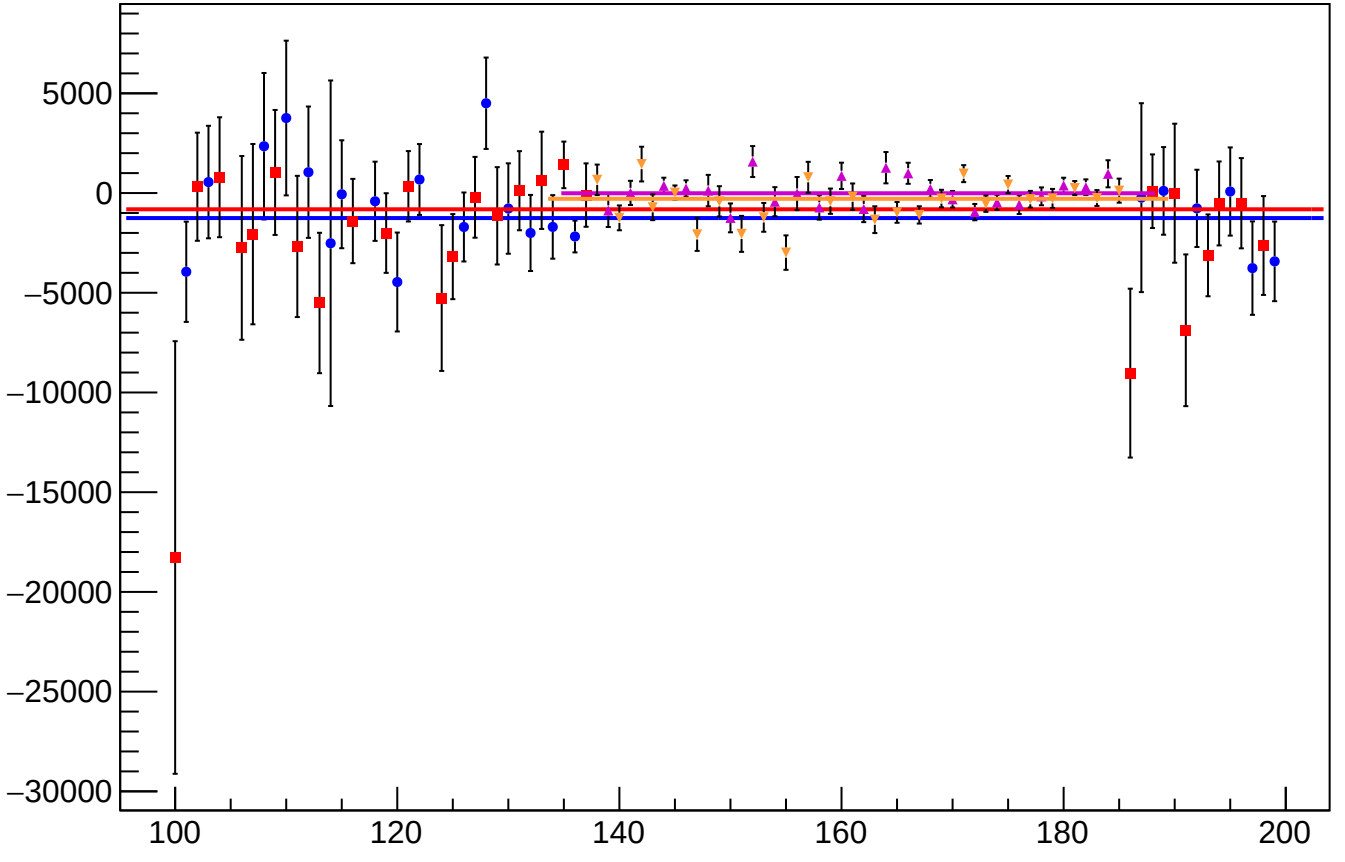
Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 83.542+/-0.011 χ^2/NDF: 7379603.3/46

All: 84.329+/-0.008 χ^2/NDF: 16218126.9/96

- sign 85.163+/-0.012 χ^2/NDF: 8828693.9/49

asym_sam_26_avg_cor_correction_mean vs Slug



Right In: -1254.655+/-425.783 χ^2/NDF: 19.1/21

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -814.420+/-447.707 χ^2/NDF: 22.3/26

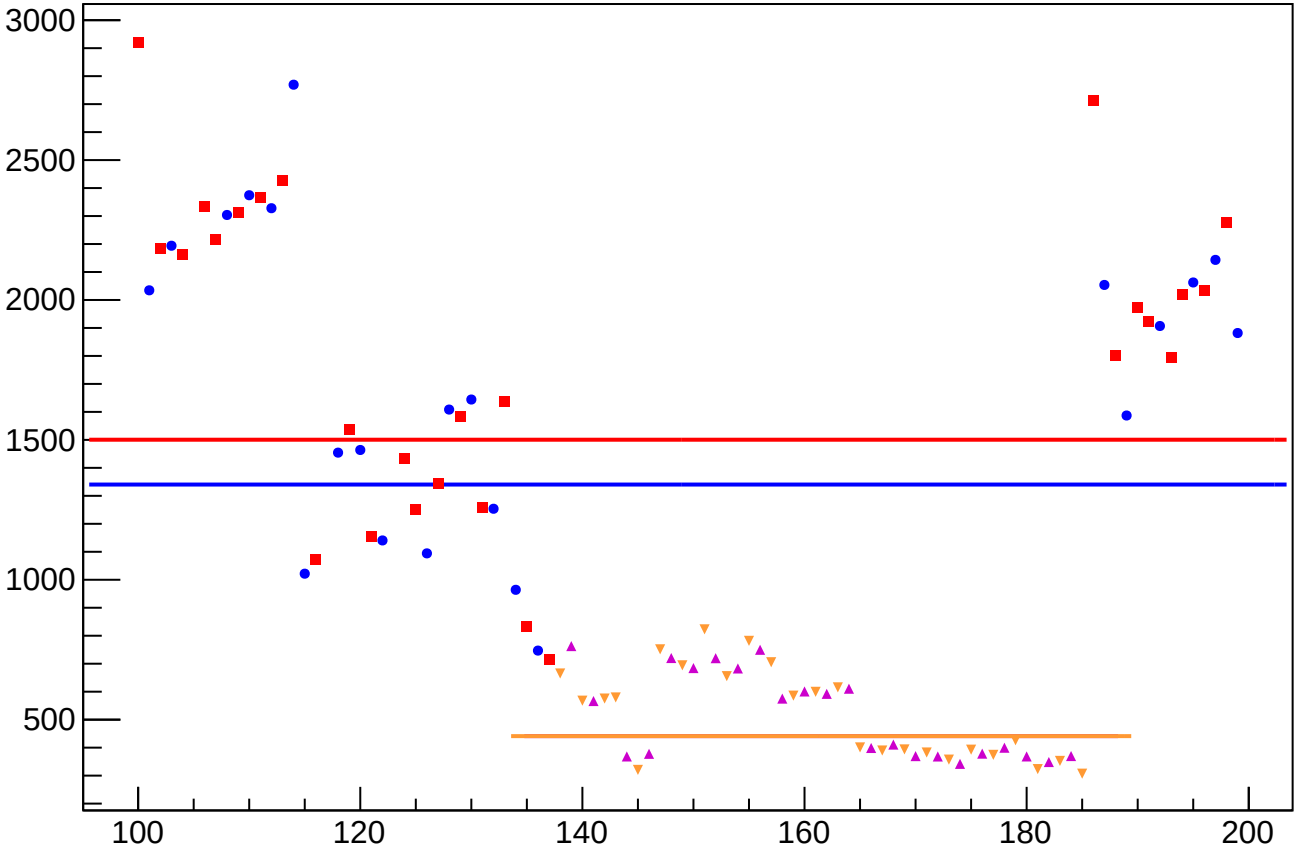
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -343.720+/-102.158 χ^2/NDF: 77.3/46

All: -202.687+/-73.113 χ^2/NDF: 139.9/96

- sign -54.590+/-104.685 χ^2/NDF: 58.7/49

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1340.328+/-0.301 χ^2/NDF: 3084104.8/21

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1500.560+/-0.317 χ^2/NDF: 2894227.0/26

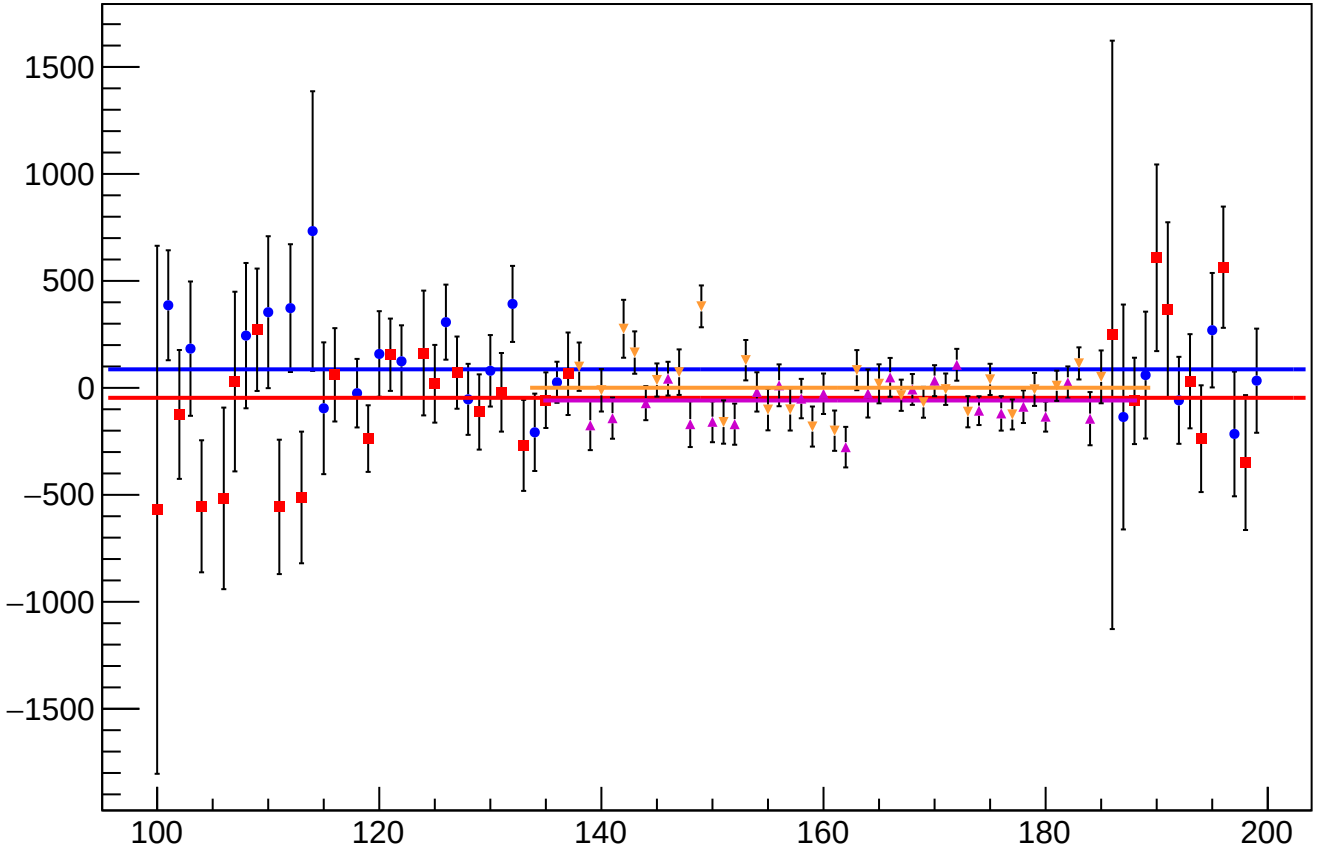
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 492.891+/-0.072 χ^2/NDF: 14725236.0/46

All: 495.928+/-0.052 χ^2/NDF: 30890747.7/96

- sign 499.116+/-0.074 χ^2/NDF: 16161890.2/49

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 86.670+/-43.744 χ^2/NDF: 15.7/21

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -46.501+/-44.436 χ^2/NDF: 25.8/26

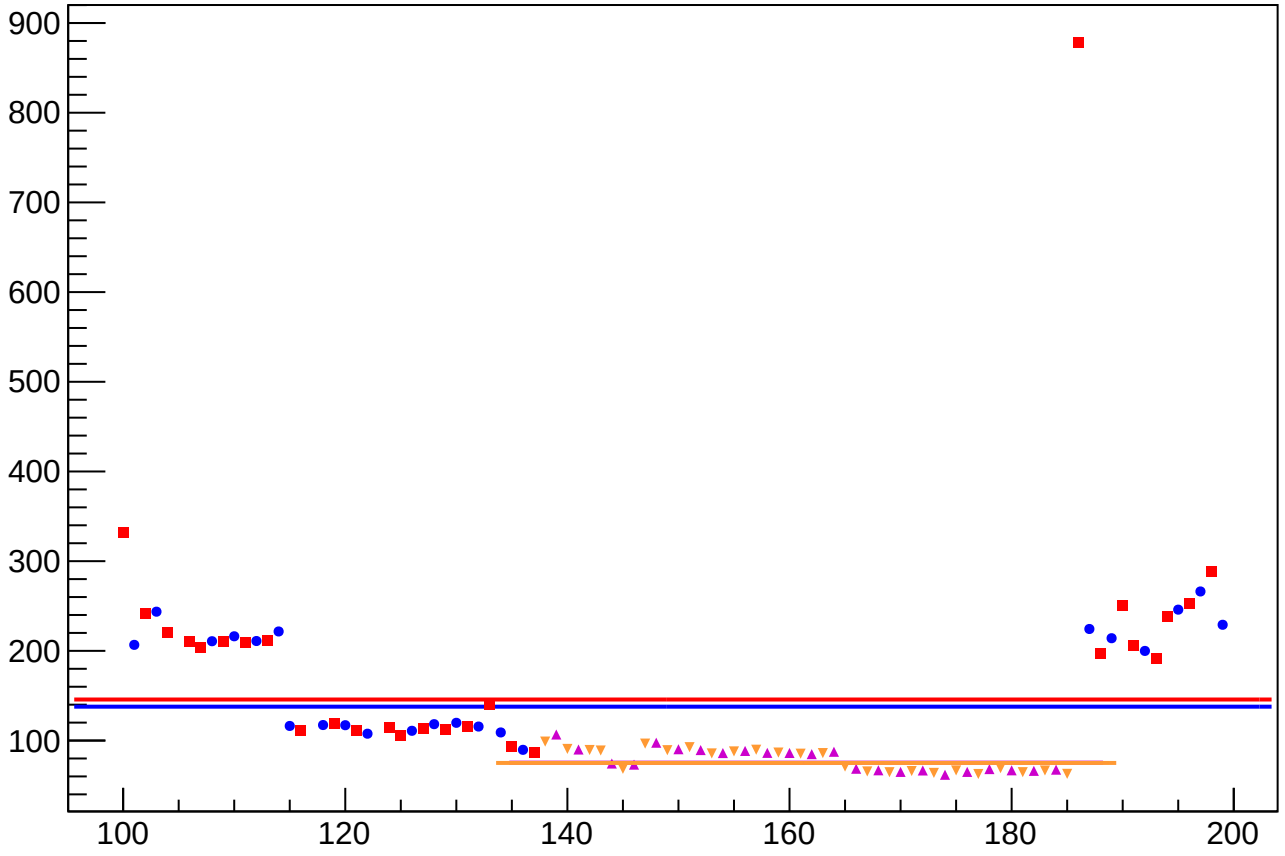
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.262+/-16.103 χ^2/NDF: 67.7/46

All: -21.430+/-11.554 χ^2/NDF: 128.4/96

- sign -57.176+/-16.587 χ^2/NDF: 51.7/49

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 137.773+/-0.031 χ^2/NDF: 2895751.4/21

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

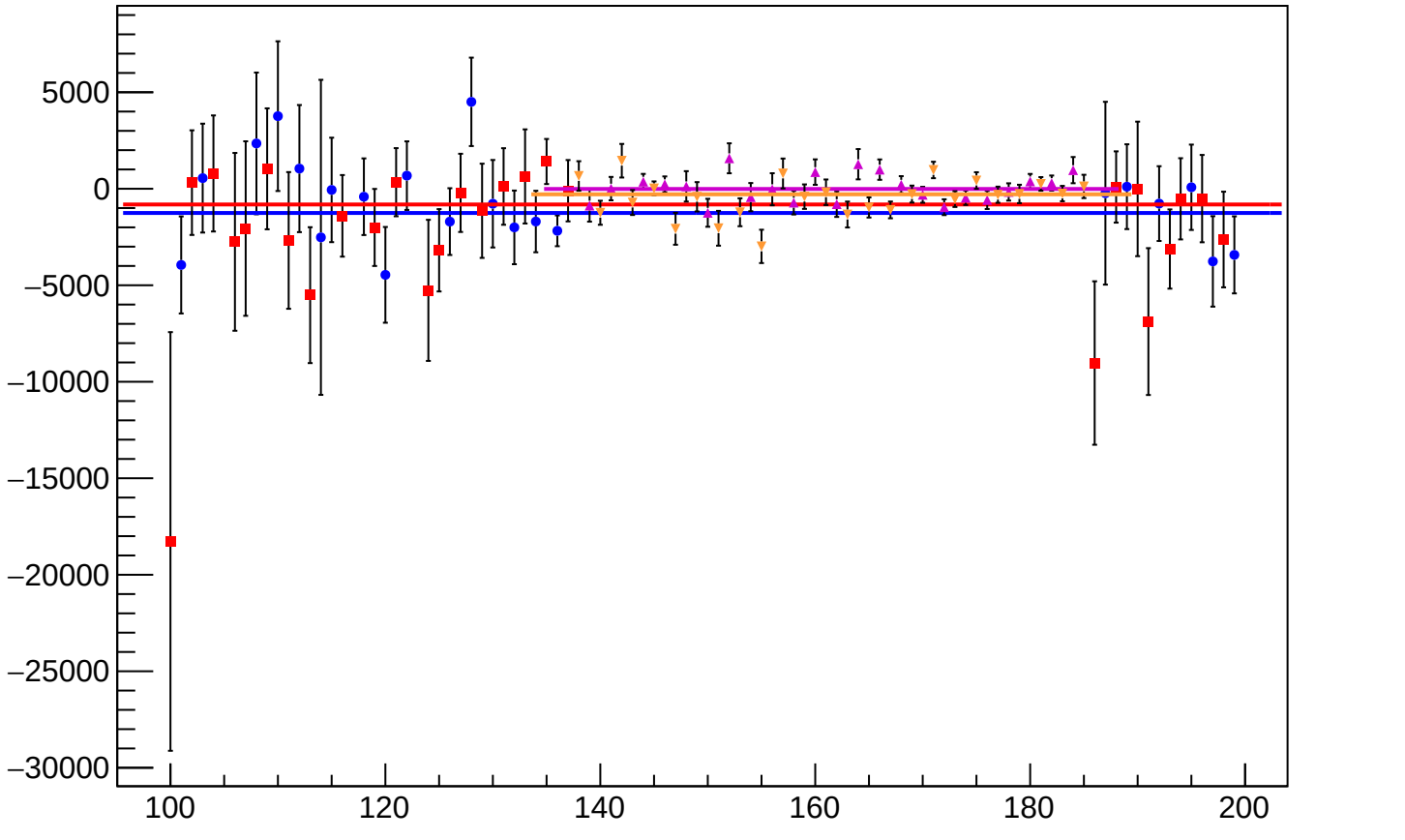
Right Out: 145.765+/-0.031 χ^2/NDF: 3668849.1/26

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 83.542+/-0.011 χ^2/NDF: 7379603.3/46

All: 84.329+/-0.008 χ^2/NDF: 16218126.9/96

- sign 85.163+/-0.012 χ^2/NDF: 8828693.9/49



Right In: -1254.655+/-425.783 χ^2/NDF: 19.1/21

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -814.420+/-447.707 χ^2/NDF: 22.3/26

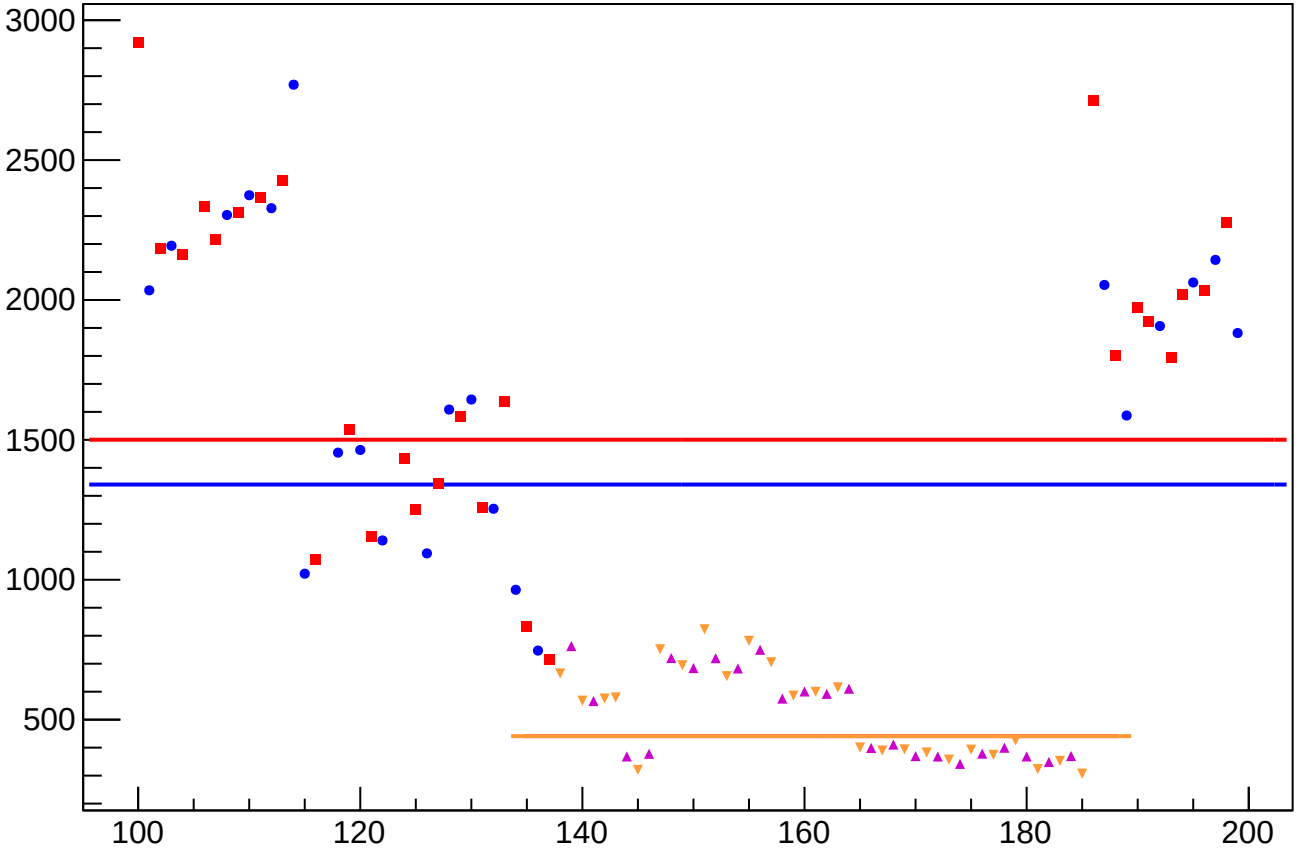
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -343.720+/-102.158 χ^2/NDF: 77.3/46

All: -202.687+/-73.113 χ^2/NDF: 139.9/96

- sign -54.590+/-104.685 χ^2/NDF: 58.7/49

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1340.328+/-0.301 χ^2/NDF: 3084104.8/21

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1500.560+/-0.317 χ^2/NDF: 2894227.0/26

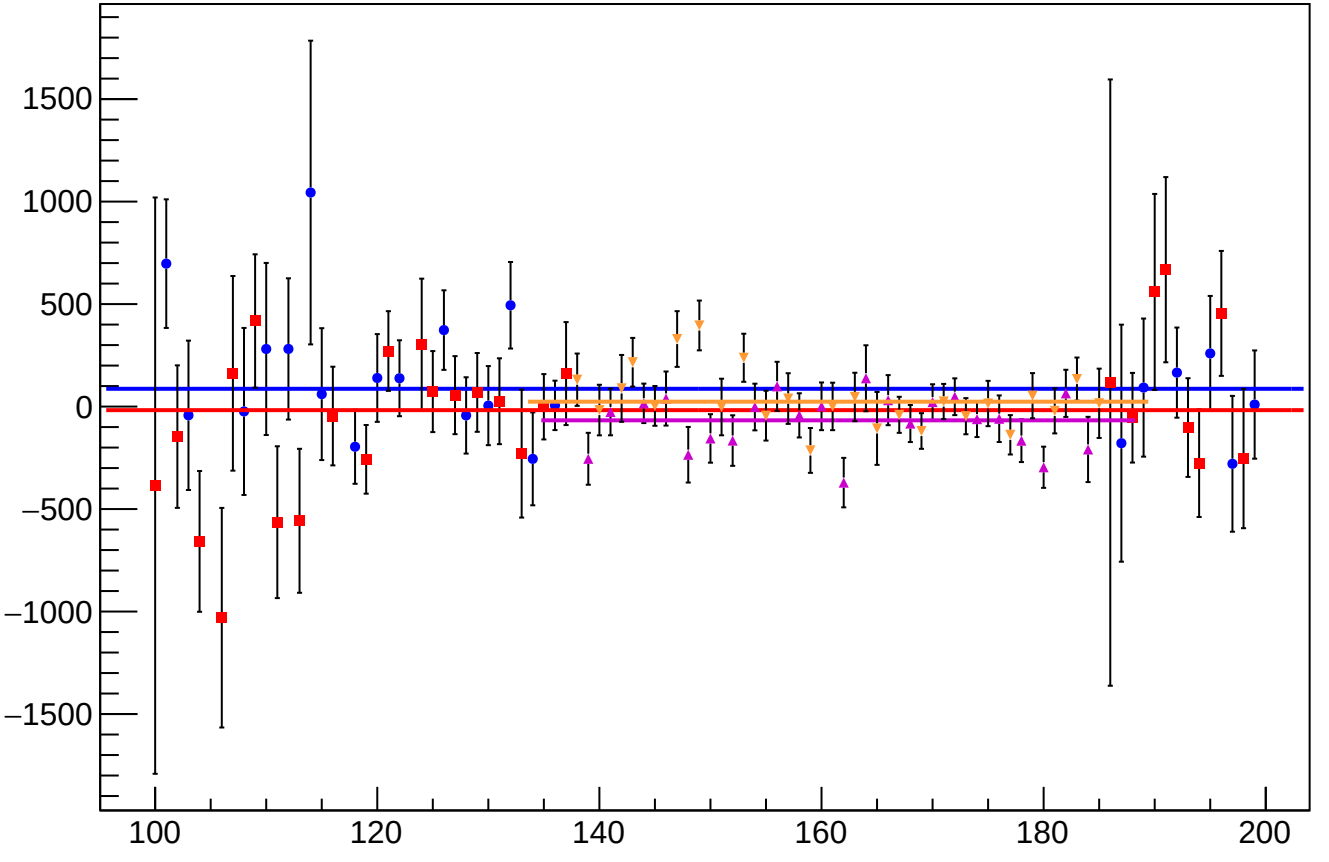
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 492.891+/-0.072 χ^2/NDF: 14725236.0/46

All: 495.928+/-0.052 χ^2/NDF: 30890747.7/96

- sign 499.116+/-0.074 χ^2/NDF: 16161890.2/49

dit_asym_sam_26_avg_mean vs Slug



Right In: 86.731+/-50.473 χ^2/NDF: 20.1/21

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -17.452+/-50.675 χ^2/NDF: 28.3/26

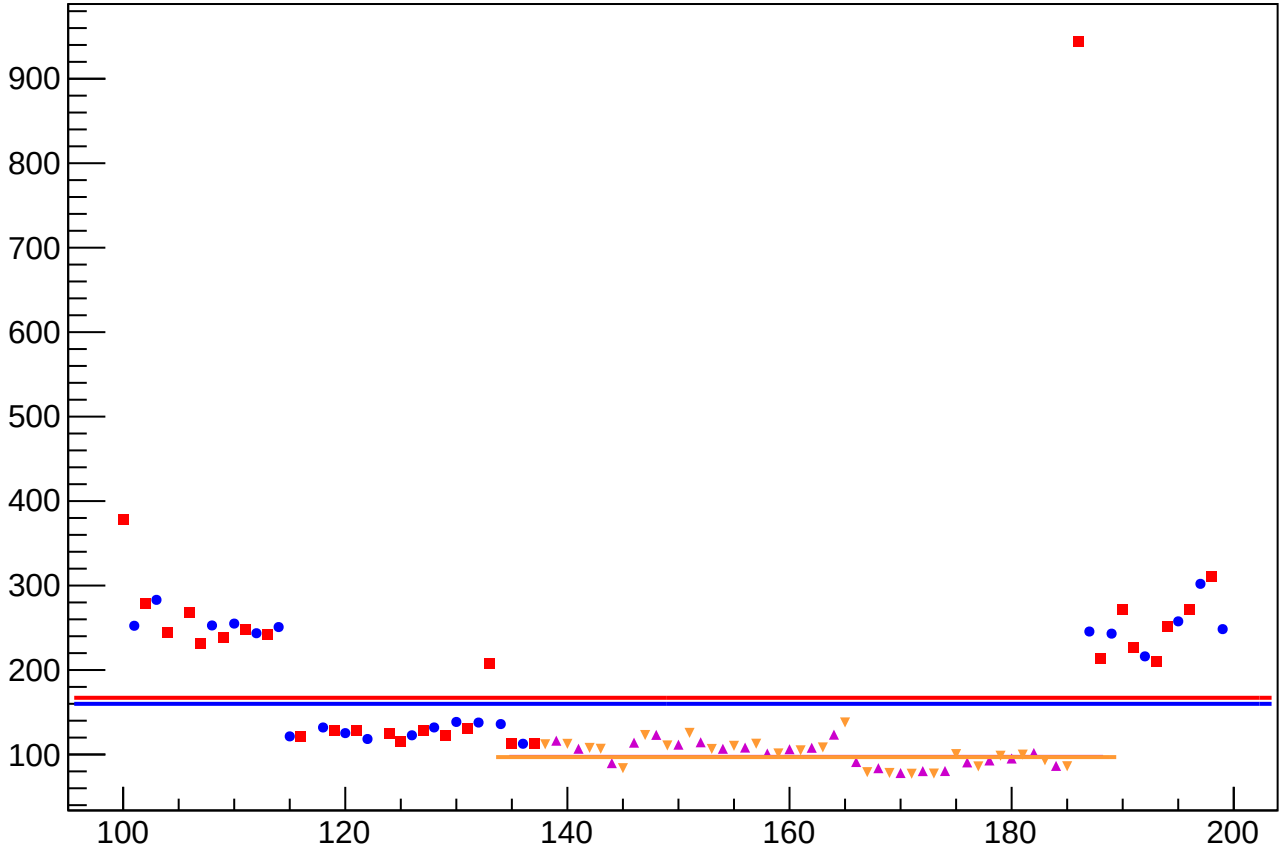
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 34.227+/-20.485 χ^2/NDF: 56.6/46

All: -10.925+/-14.676 χ^2/NDF: 124.3/96

- sign -58.534+/-21.035 χ^2/NDF: 57.8/49

dit_asym_sam_26_avg_rms vs Slug



Right In: 159.969+/-0.036 χ^2/NDF: 2611775.4/21

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

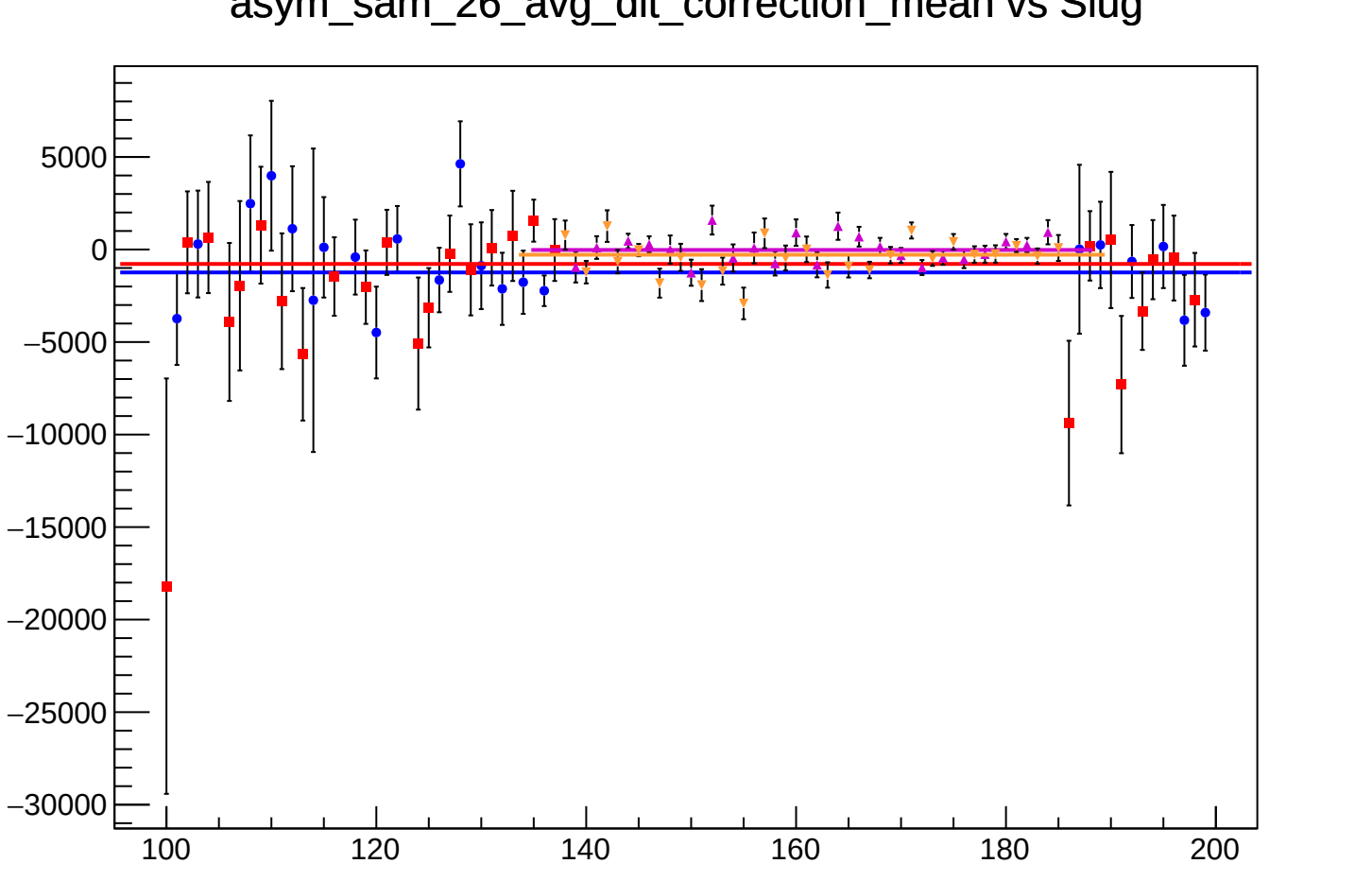
Right Out: 167.129+/-0.036 χ^2/NDF: 3406327.2/26

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 107.295+/-0.014 χ^2/NDF: 6153520.9/46

All: 108.233+/-0.010 χ^2/NDF: 13398328.7/96

- sign 109.222+/-0.015 χ^2/NDF: 7236190.7/49



Right In: -1239.678+/-437.241 χ^2/NDF: 19.2/21

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -780.606+/-450.918 χ^2/NDF: 24.1/26

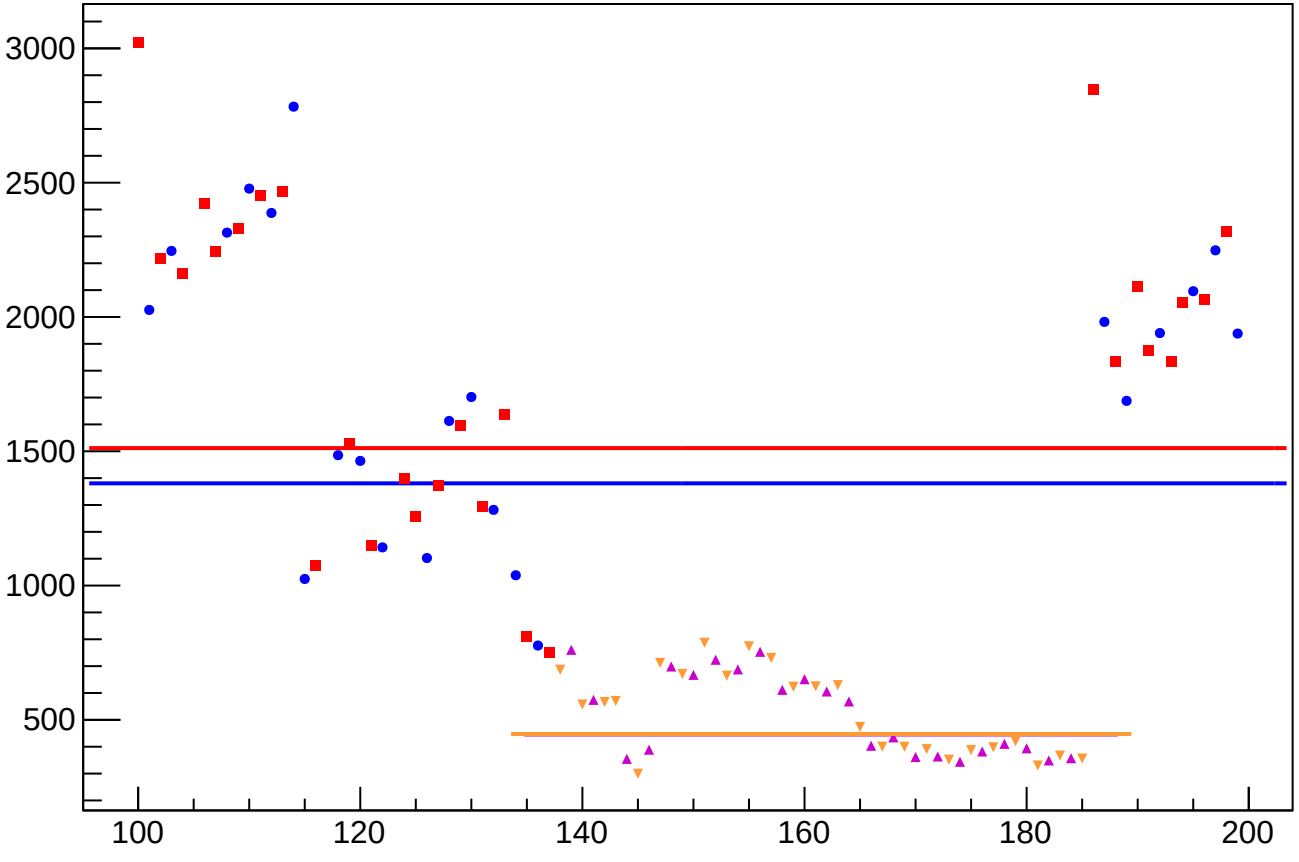
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -335.933+/-103.378 χ^2/NDF: 74.1/46

All: -204.280+/-73.955 χ^2/NDF: 137.1/96

- sign -66.277+/-105.842 χ^2/NDF: 59.7/49

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1380.574+/-0.309 χ^2/NDF: 2990767.7/21

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1511.793+/-0.319 χ^2/NDF: 3034809.4/26

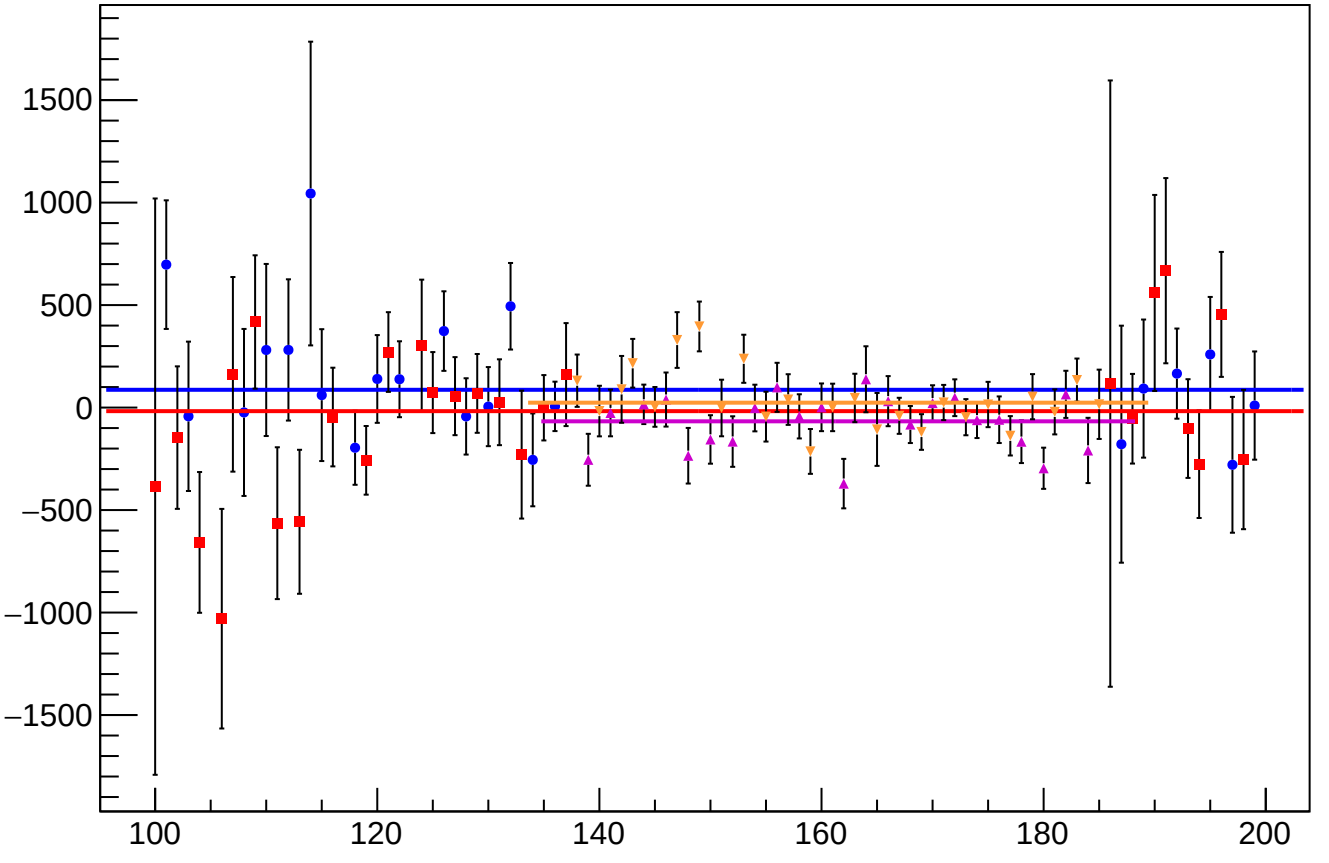
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

\+ sign 499.551+/-0.073 χ^2/NDF: 14789483.2/46

All: 501.840+/-0.052 χ^2/NDF: 31107349.4/96

\- sign 504.240+/-0.075 χ^2/NDF: 16315857.6/49

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 86.733+/-50.473 χ^2/NDF: 20.1/21

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -17.452+/-50.675 χ^2/NDF: 28.3/26

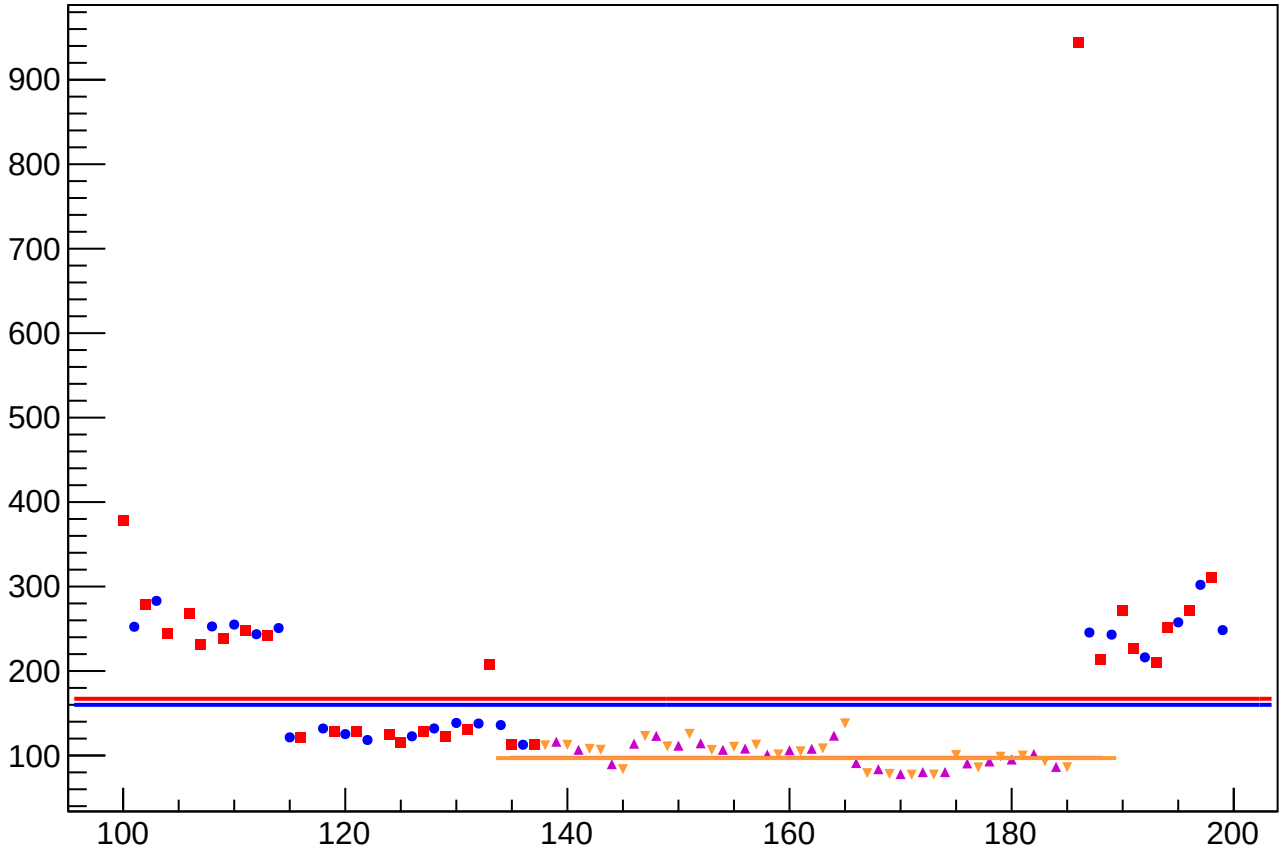
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 34.227+/-20.485 χ^2/NDF: 56.6/46

All: -10.925+/-14.676 χ^2/NDF: 124.3/96

- sign -58.533+/-21.035 χ^2/NDF: 57.8/49

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 159.968+/-0.036 χ^2/NDF: 2611781.4/21

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

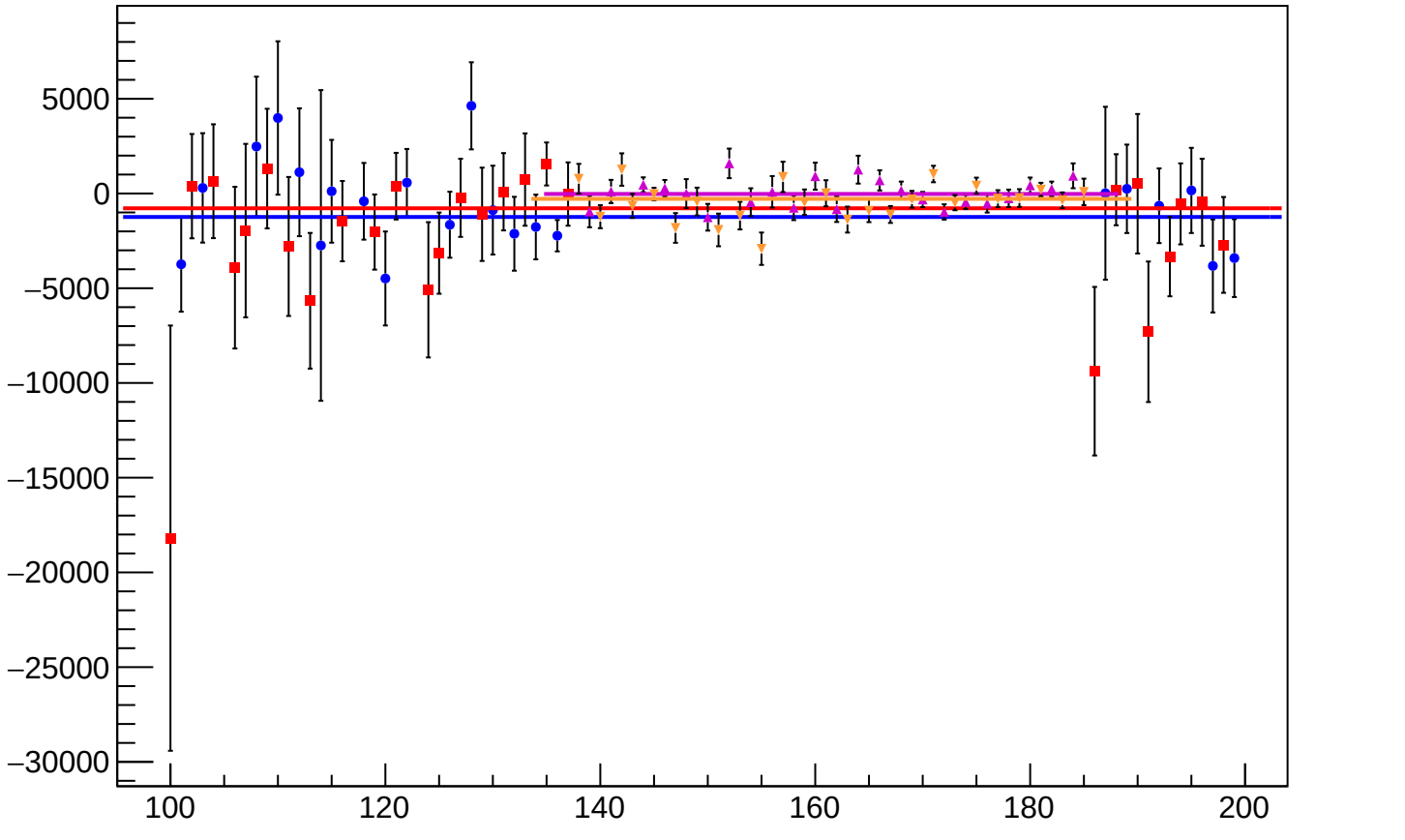
Right Out: 167.129+/-0.036 χ^2/NDF: 3406324.3/26

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 107.295+/-0.014 χ^2/NDF: 6153460.3/46

All: 108.233+/-0.010 χ^2/NDF: 13398197.0/96

- sign 109.222+/-0.015 χ^2/NDF: 7236118.5/49



Right In: -1239.675+/-437.240 χ^2/NDF: 19.2/21

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

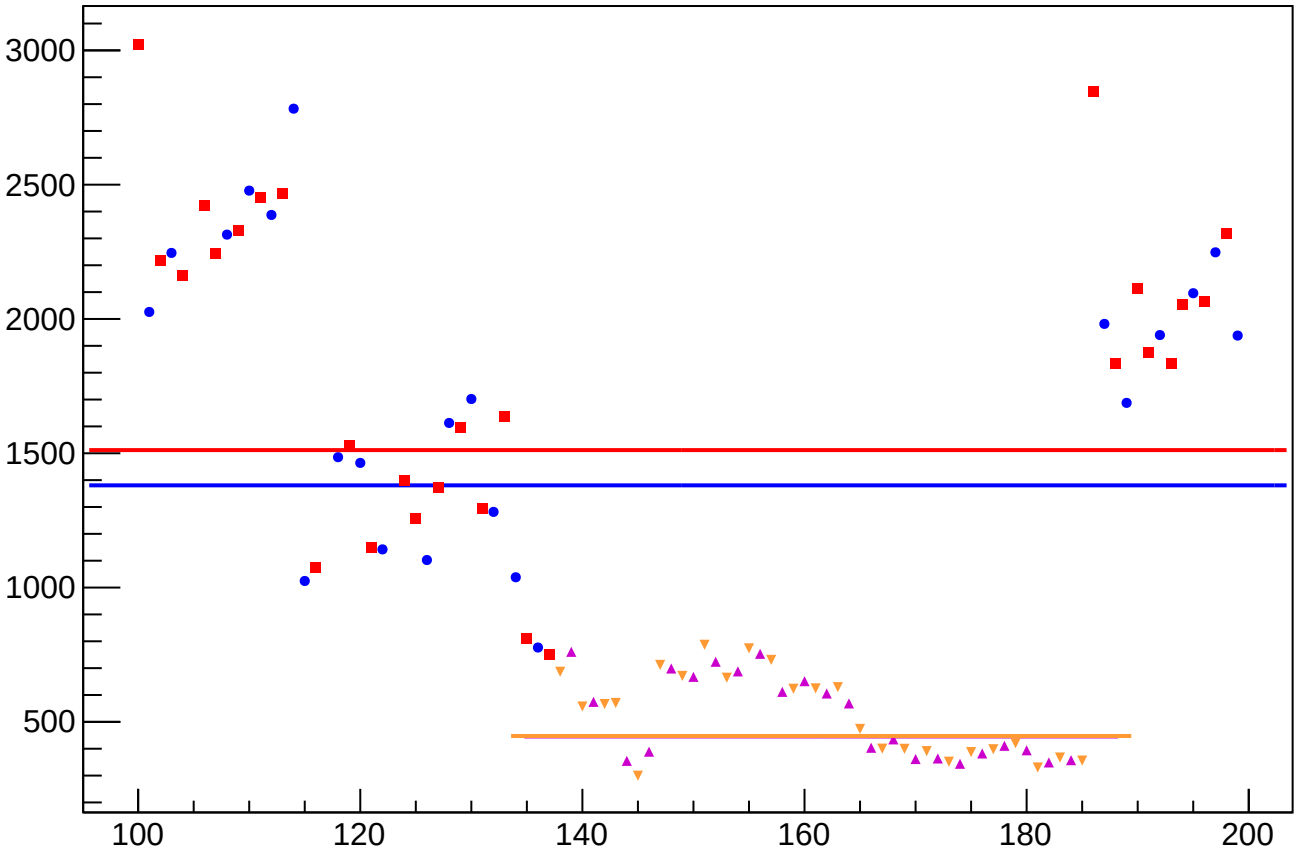
Right Out: -780.607+/-450.918 χ^2/NDF: 24.1/26

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -335.932+/-103.378 χ^2/NDF: 74.1/46

All: -204.280+/-73.955 χ^2/NDF: 137.1/96

- sign -66.277+/-105.842 χ^2/NDF: 59.7/49



Right In: 1380.574+/-0.309 χ^2/NDF: 2990749.8/21

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1511.793+/-0.319 χ^2/NDF: 3034797.0/26

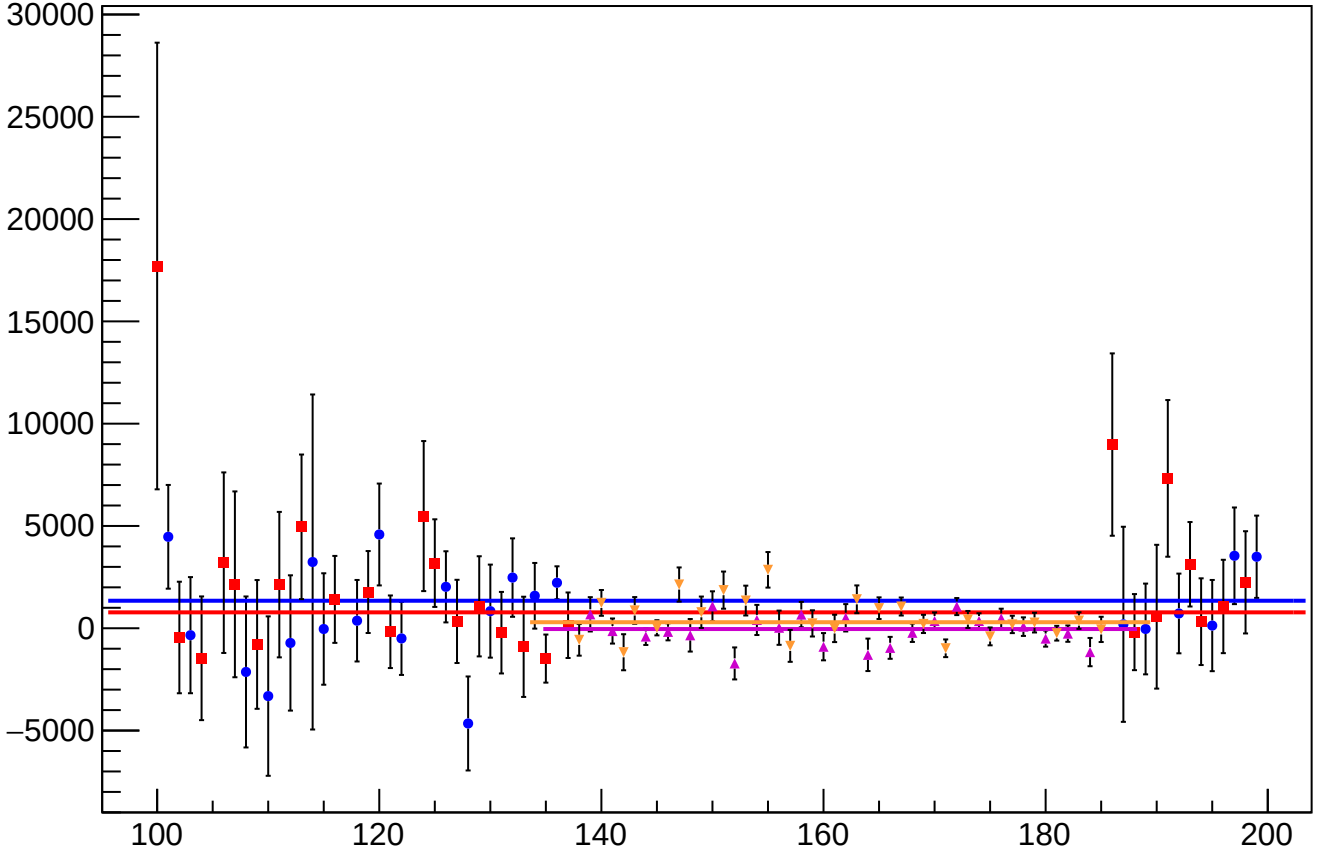
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 499.551+/-0.073 χ^2/NDF: 14789498.7/46

All: 501.840+/-0.052 χ^2/NDF: 31107369.2/96

- sign 504.239+/-0.075 χ^2/NDF: 16315861.8/49

asym_sam_26_avg_mean vs Slug



Right In: 1344.891+/-428.602 χ^2/NDF: 19.3/21

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 776.928+/-450.233 χ^2/NDF: 21.8/26

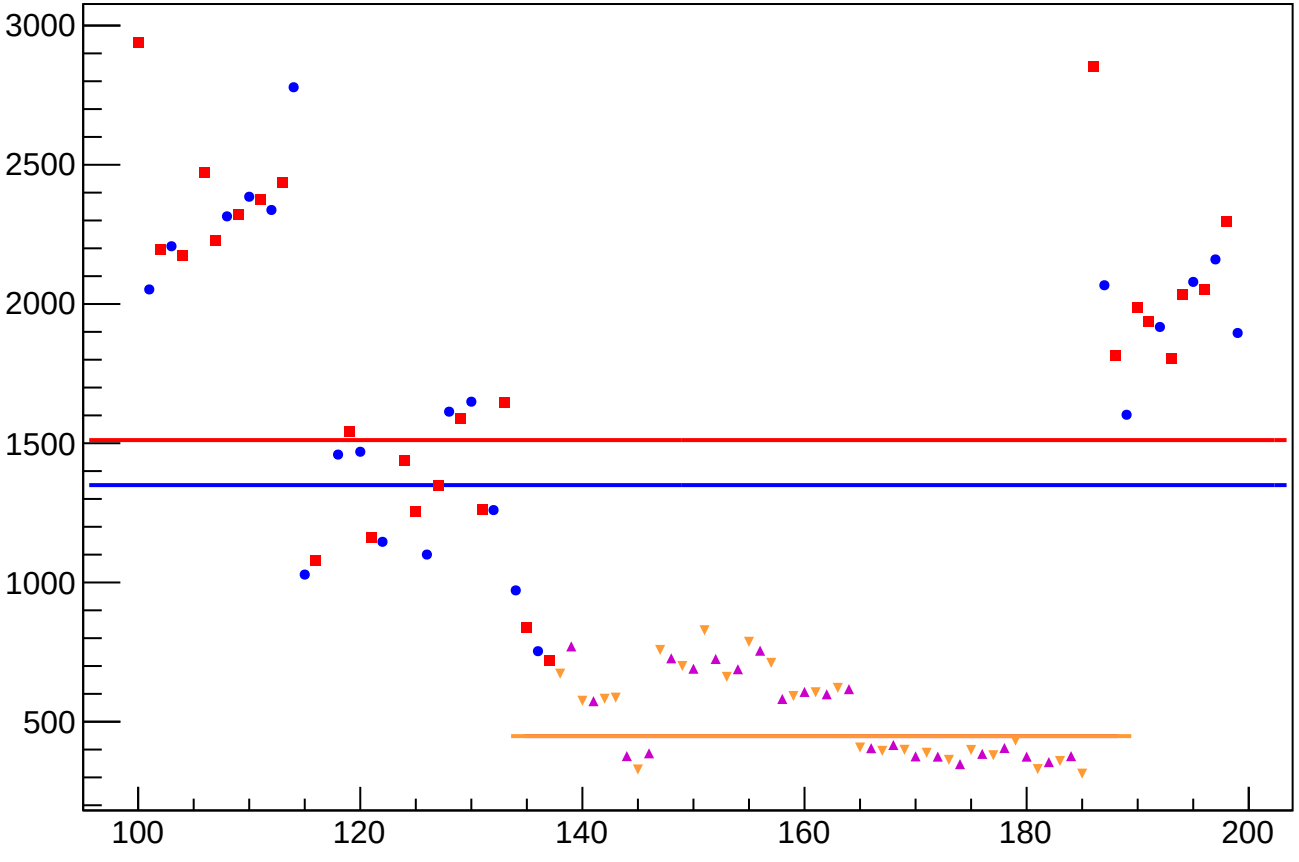
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 356.395+/-103.640 χ^2/NDF: 75.5/46

All: 186.137+/-74.183 χ^2/NDF: 138.8/96

- sign 7.266+/-106.229 χ^2/NDF: 57.8/49

asym_sam_26_avg_rms vs Slug



Right In: 1349.635+/-0.303 χ^2/NDF: 3072860.3/21

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1511.290+/-0.318 χ^2/NDF: 2943230.0/26

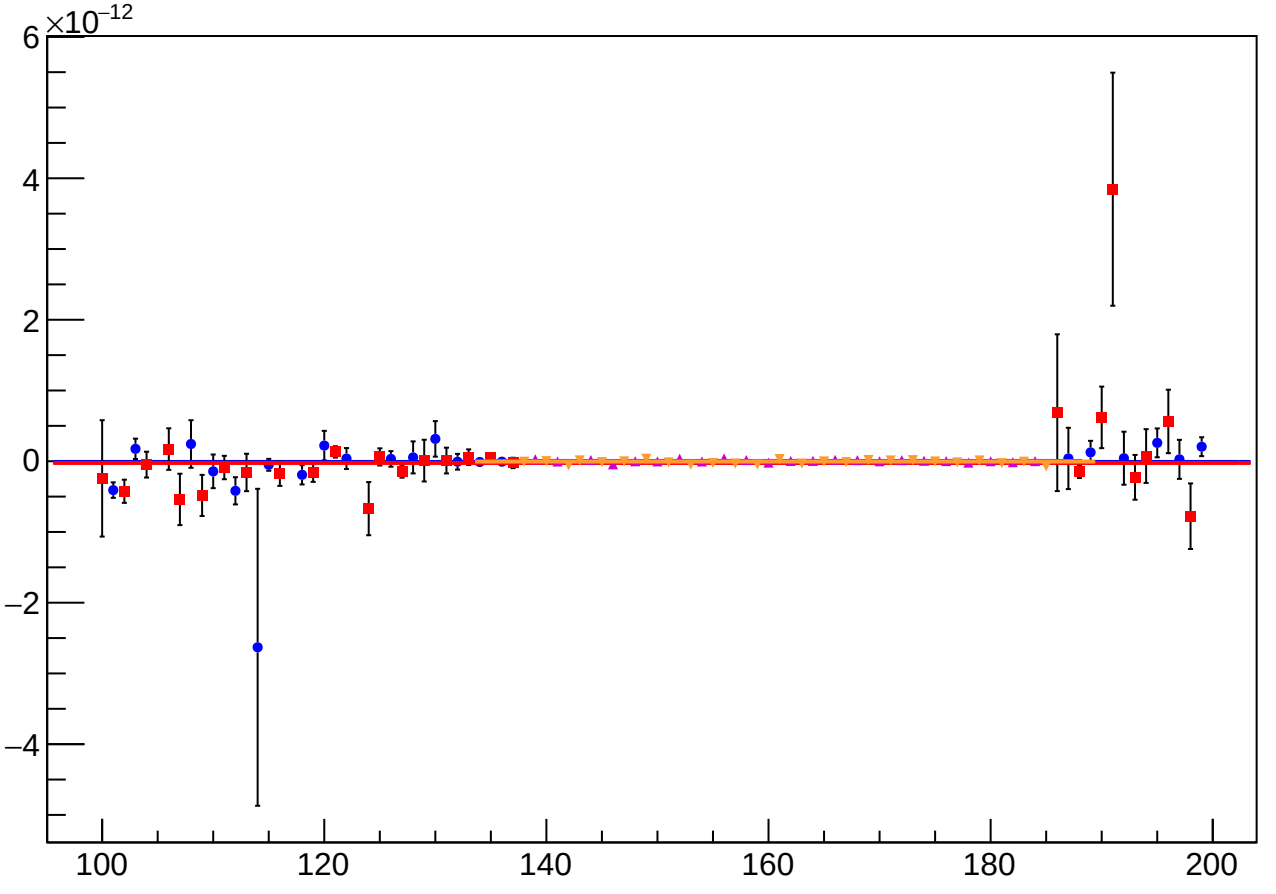
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 500.982+/-0.073 χ^2/NDF: 14557909.1/46

All: 504.194+/-0.052 χ^2/NDF: 30651731.7/96

- 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: 32.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

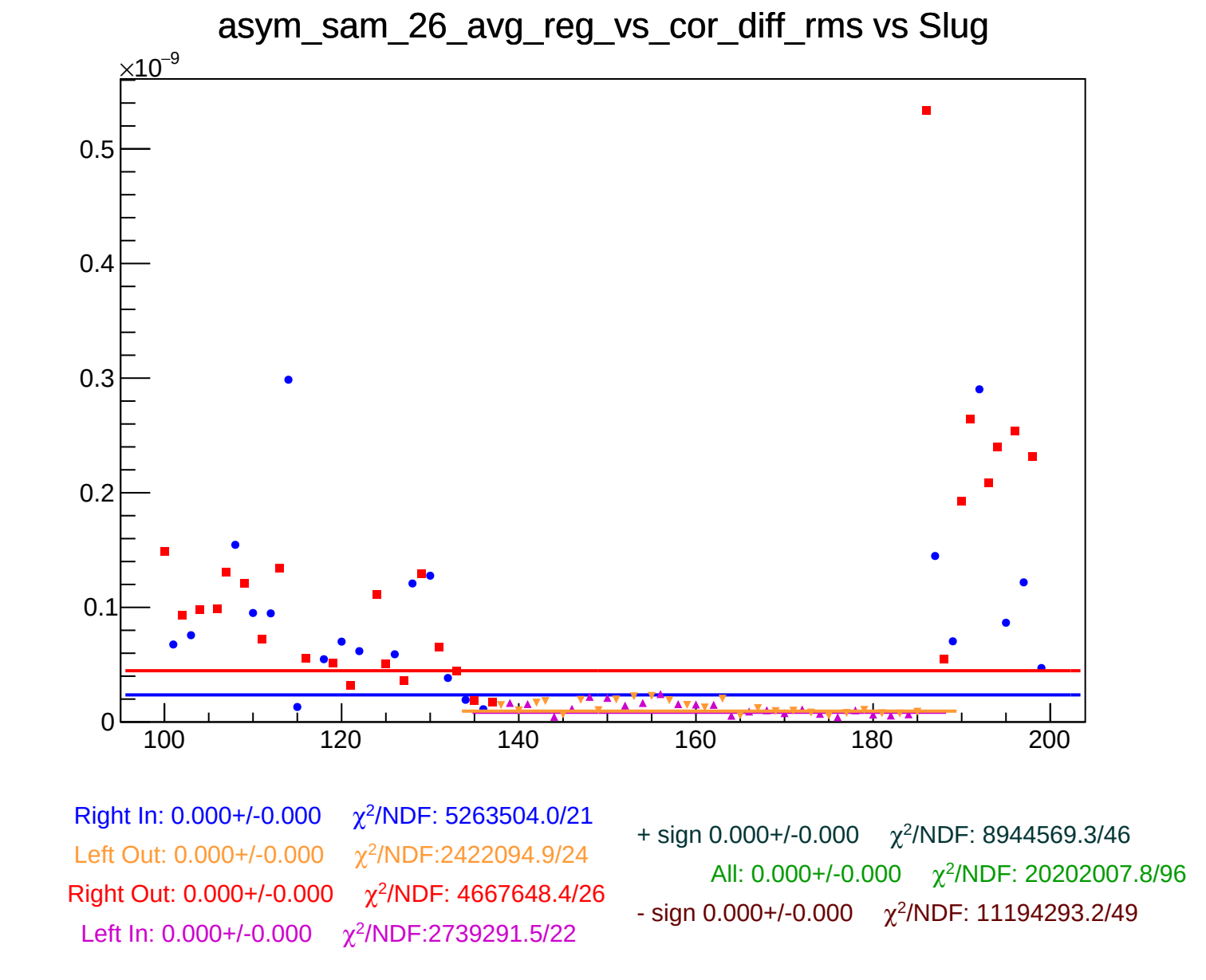
Right Out: -0.000+/-0.000 χ^2/NDF: 40.5/26

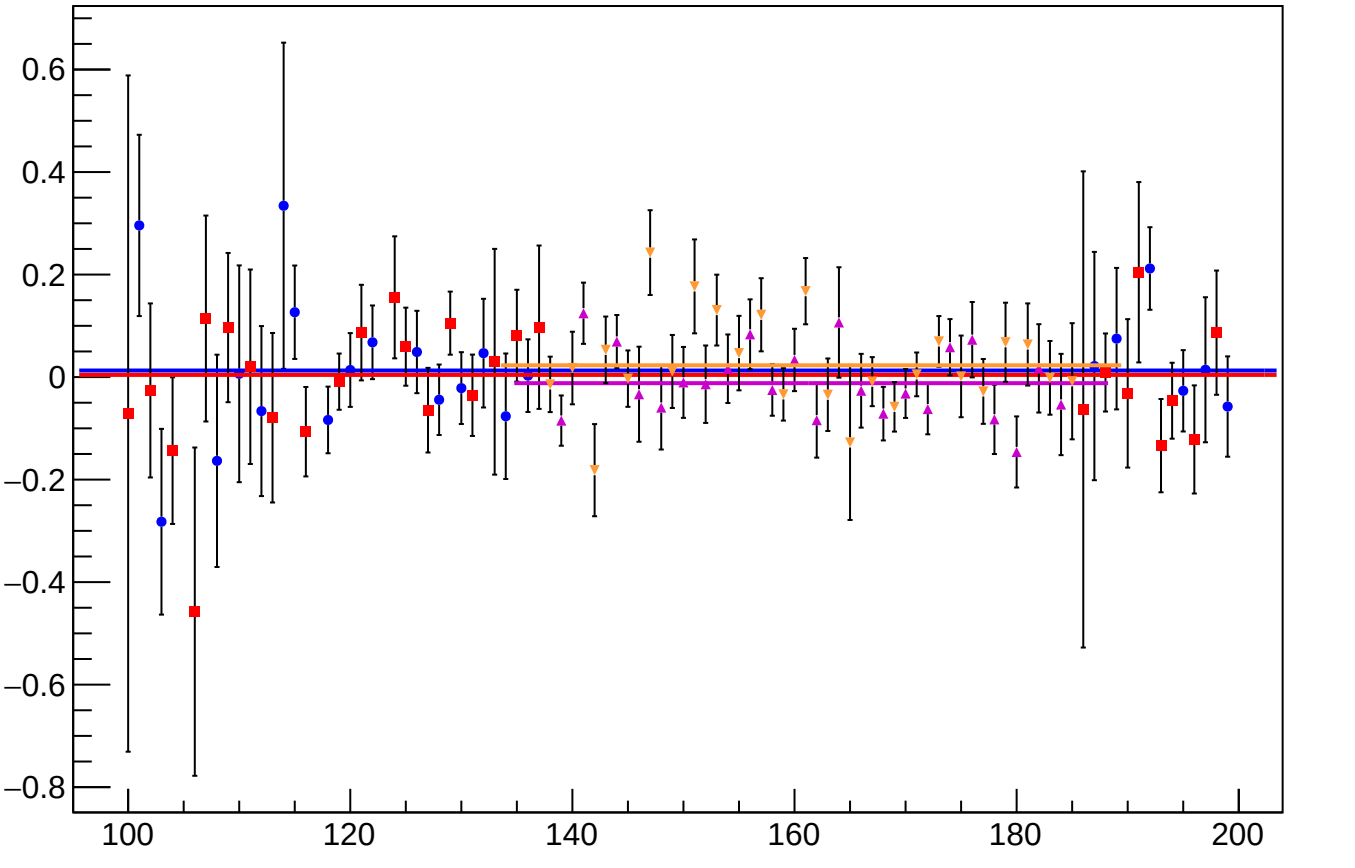
Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.3/46

All: -0.000+/-0.000 χ^2/NDF: 116.1/96

- sign 0.000+/-0.000 χ^2/NDF: 58.3/49


asym_sam_26_avg_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: 5263504.0/21
Left Out: 0.000+/-0.000 χ²/NDF:2422094.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4667648.4/26
Left In: 0.000+/-0.000 χ²/NDF:2739291.5/22
+ sign 0.000+/-0.000 χ²/NDF: 8944569.3/46
All: 0.000+/-0.000 χ²/NDF: 20202007.8/96
- sign 0.000+/-0.000 χ²/NDF: 11194293.2/49



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.004+/-0.020 χ^2/NDF: 19.5/26

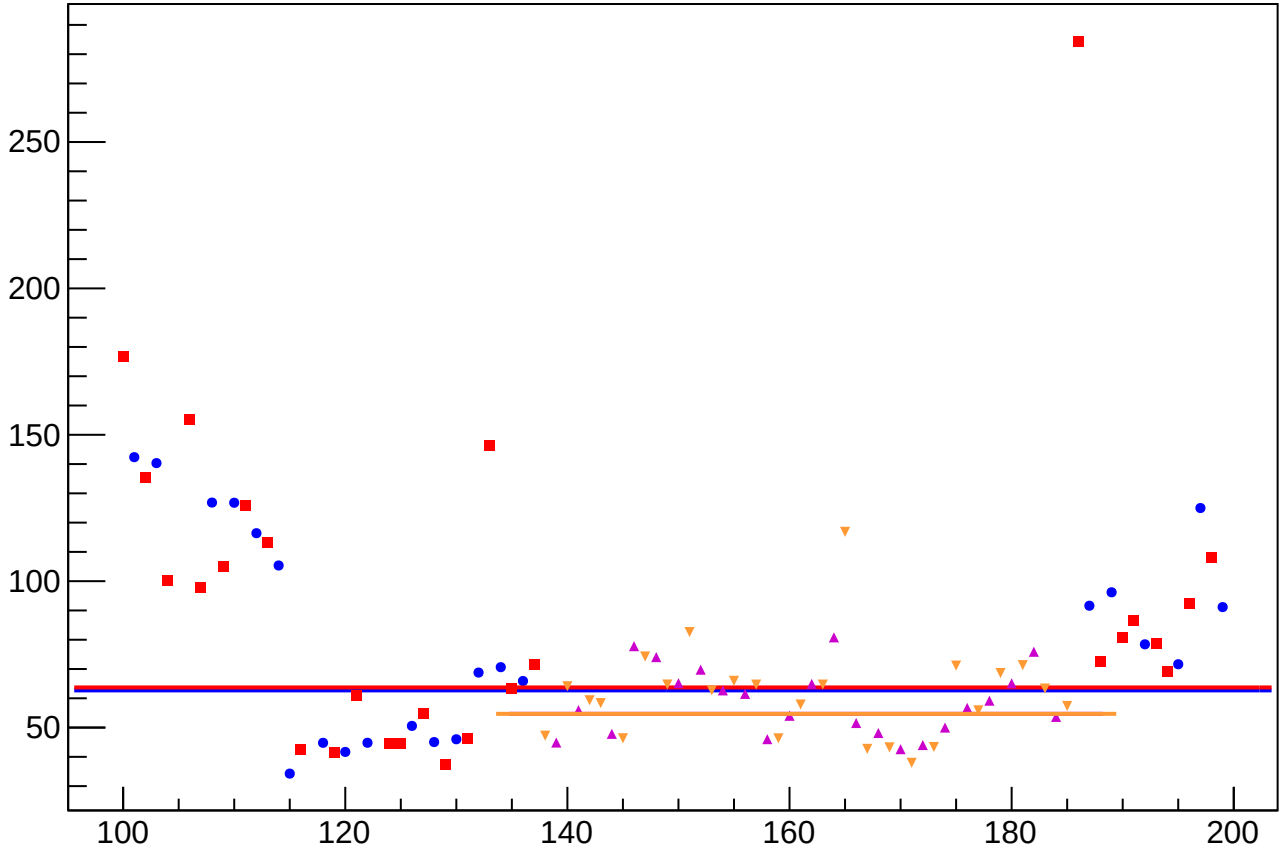
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/46

All: 0.007+/-0.008 χ^2/NDF: 103.6/96

- sign -0.007+/-0.011 χ^2/NDF: 45.8/49

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 62.696+/-0.015 χ^2/NDF: 3154884.4/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

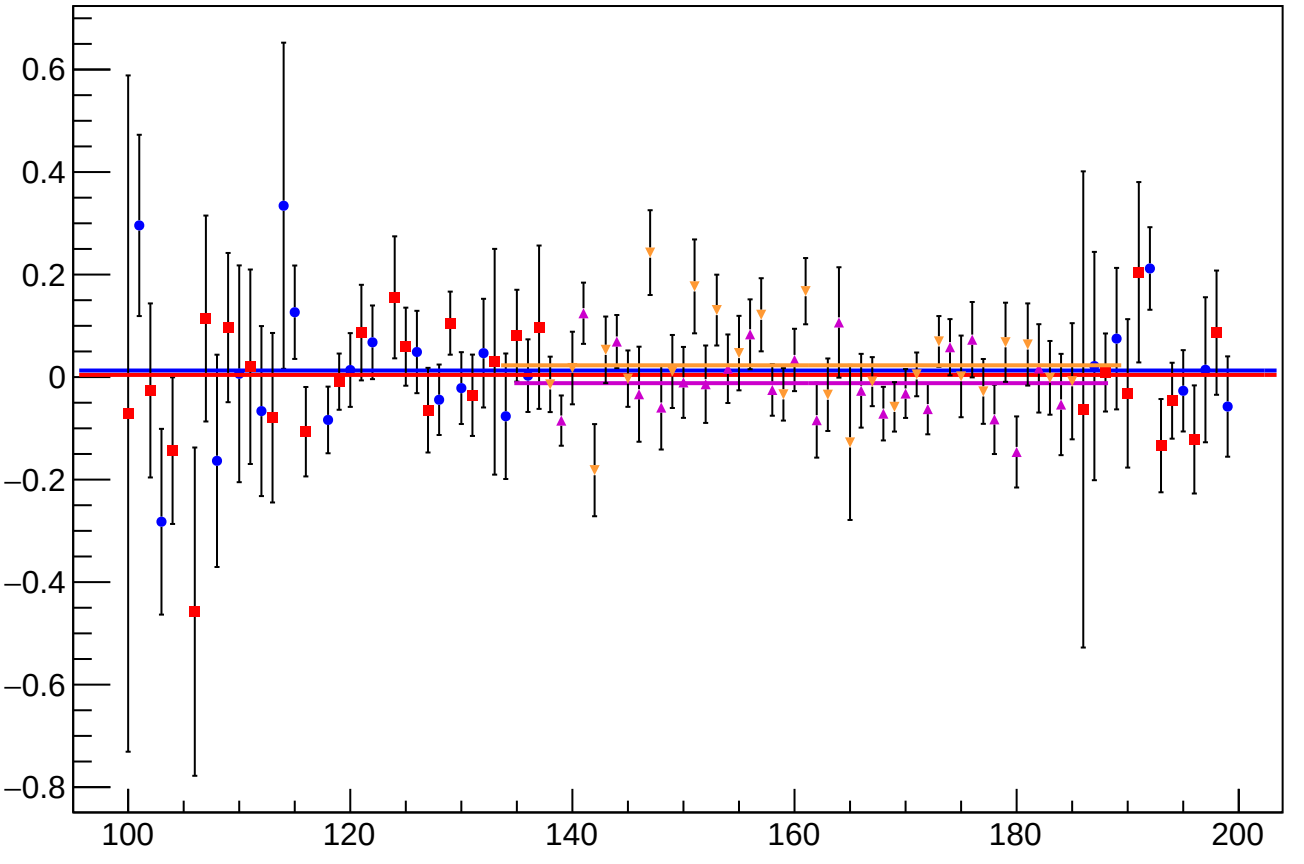
Right Out: 63.703+/-0.014 χ^2/NDF: 3750800.4/26

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 56.955+/-0.008 χ^2/NDF: 5308859.9/46

All: 57.206+/-0.005 χ^2/NDF: 10536940.4/96

\- sign 57.461+/-0.008 χ^2/NDF: 5225961.8/49



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

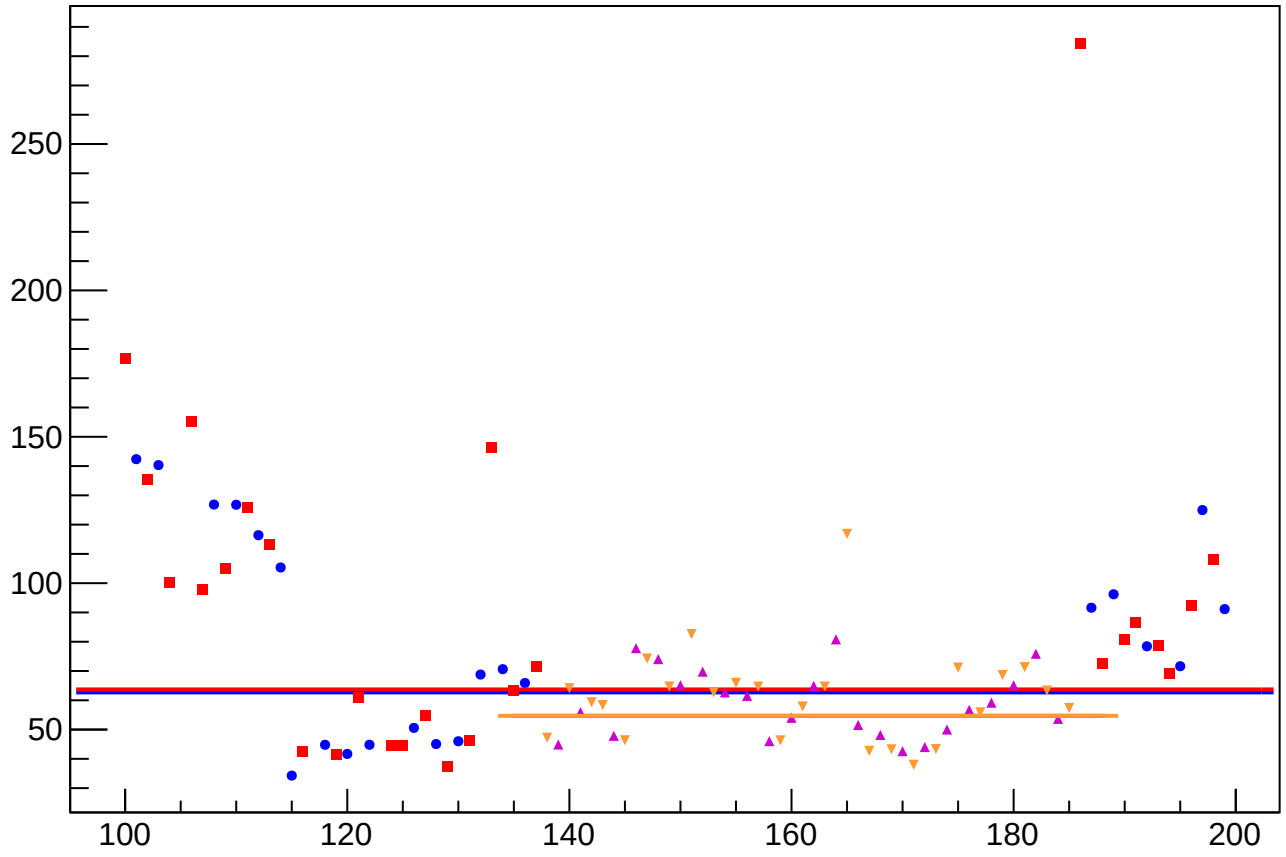
Right Out: 0.004+/-0.020 χ^2/NDF: 19.5/26

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/46

All: 0.007+/-0.008 χ^2/NDF: 103.6/96

- sign -0.007+/-0.011 χ^2/NDF: 45.8/49



Right In: 62.696+/-0.015 χ^2/NDF: 3154884.4/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

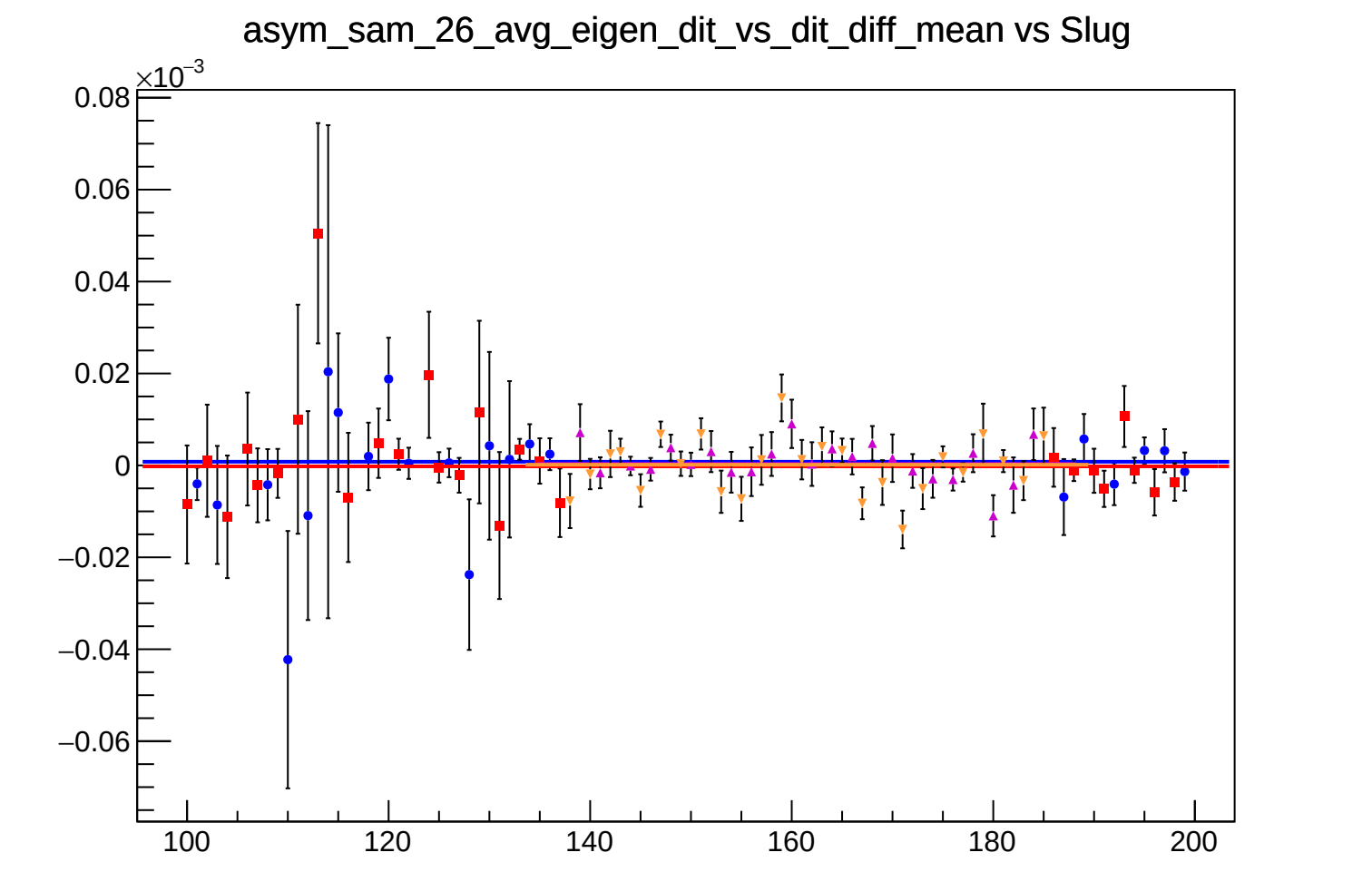
Right Out: 63.703+/-0.014 χ^2/NDF: 3750800.4/26

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 56.955+/-0.008 χ^2/NDF: 5308859.9/46

All: 57.206+/-0.005 χ^2/NDF: 10536940.4/96

\- sign 57.461+/-0.008 χ^2/NDF: 5225961.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

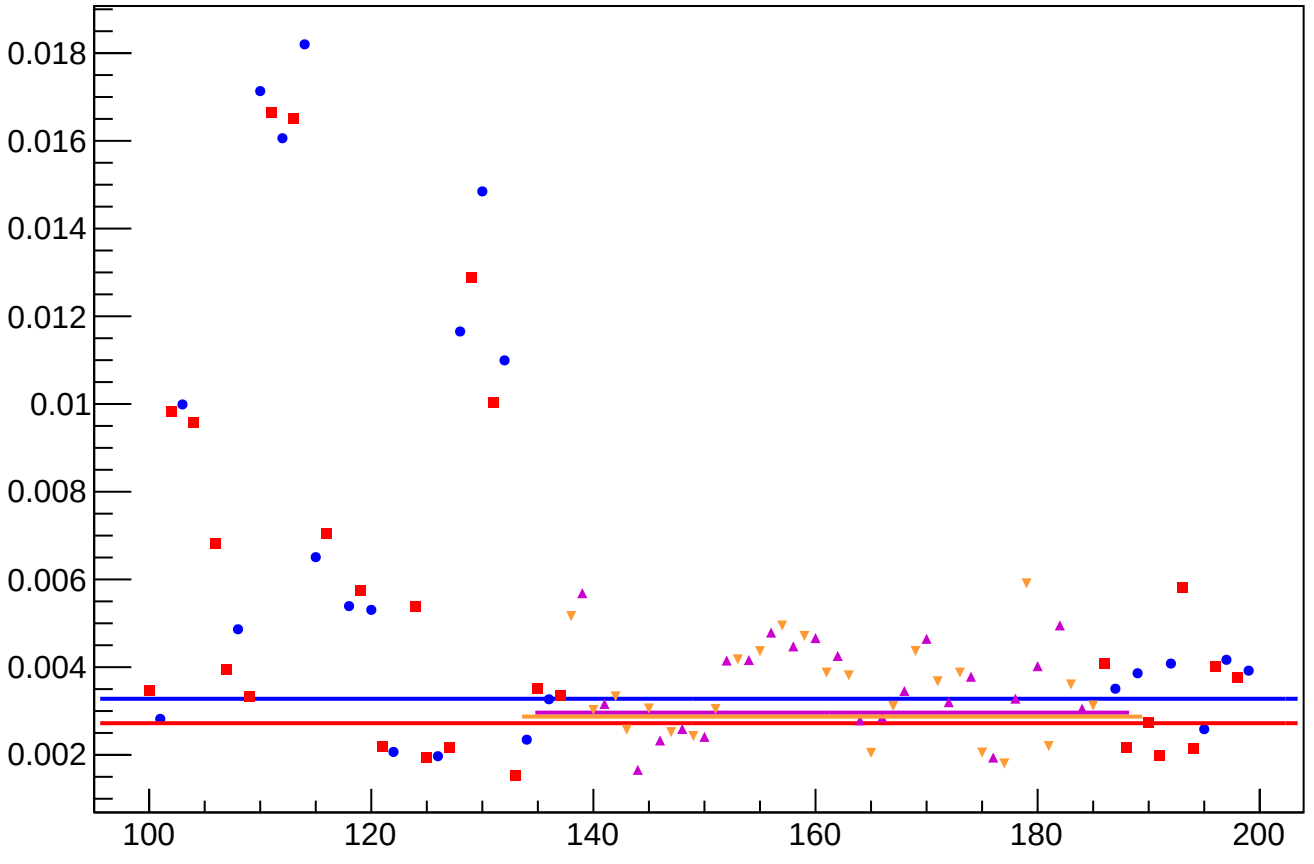
Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/26

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.4/46

All: 0.000+/-0.000 χ^2/NDF: 113.6/96

- sign 0.000+/-0.000 χ^2/NDF: 42.1/49



Right In: 0.003+/-0.000 χ^2/NDF: 4881721.4/21

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

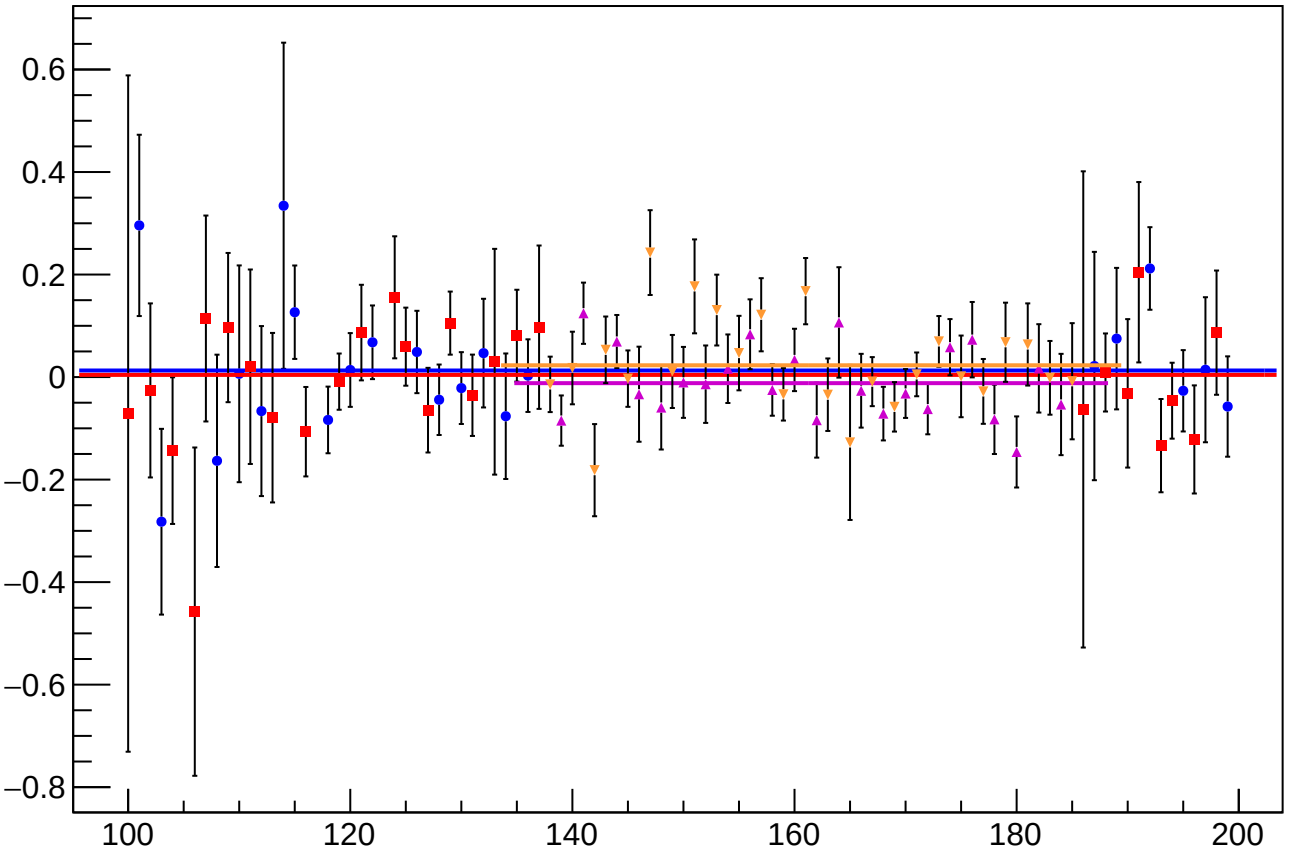
Right Out: 0.003+/-0.000 χ^2/NDF: 6201335.6/26

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8675421.8/46

All: 0.003+/-0.000 χ^2/NDF: 18619604.7/96

- sign 0.003+/-0.000 χ^2/NDF: 9903377.0/49



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.004+/-0.020 χ^2/NDF: 19.5/26

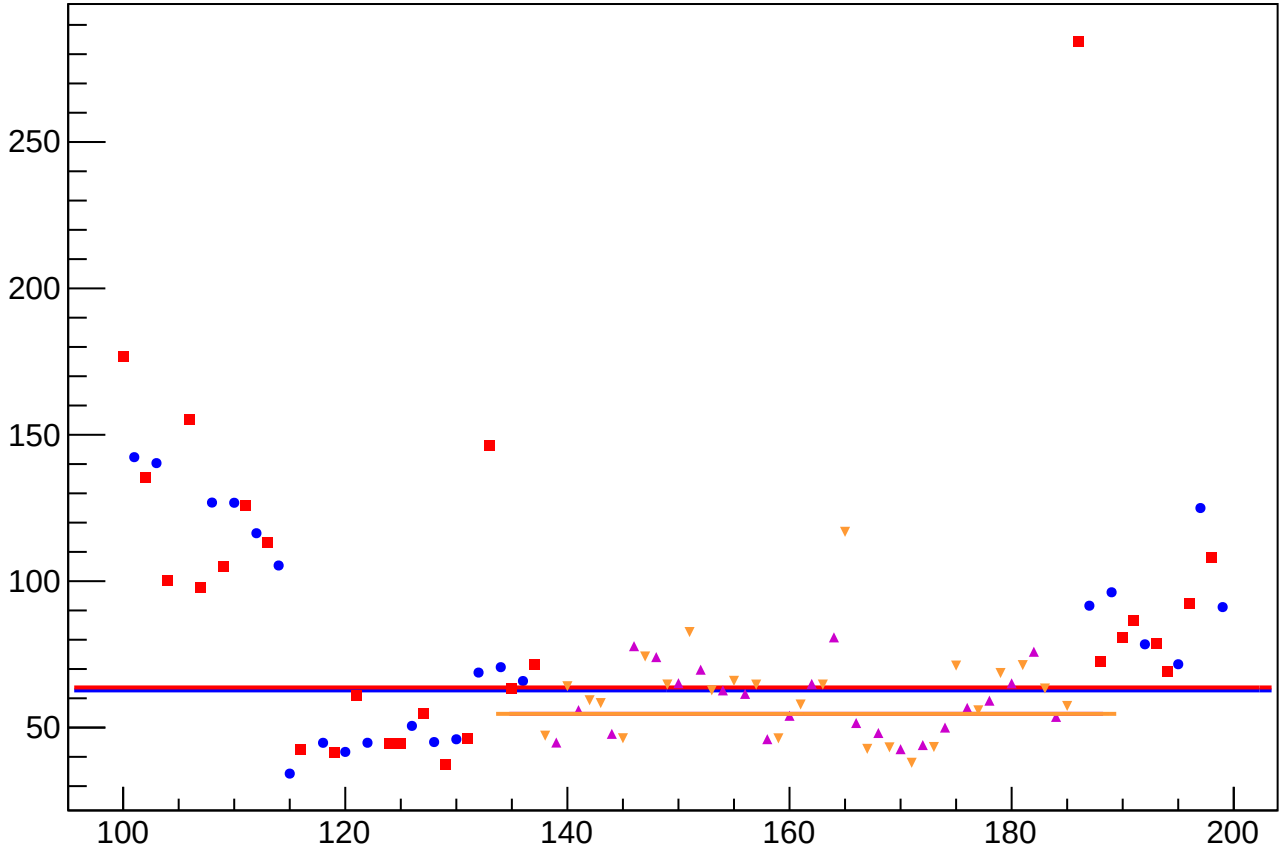
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/46

All: 0.007+/-0.008 χ^2/NDF: 103.6/96

- sign -0.007+/-0.011 χ^2/NDF: 45.8/49

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 62.696+/-0.015 χ^2/NDF: 3154859.1/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

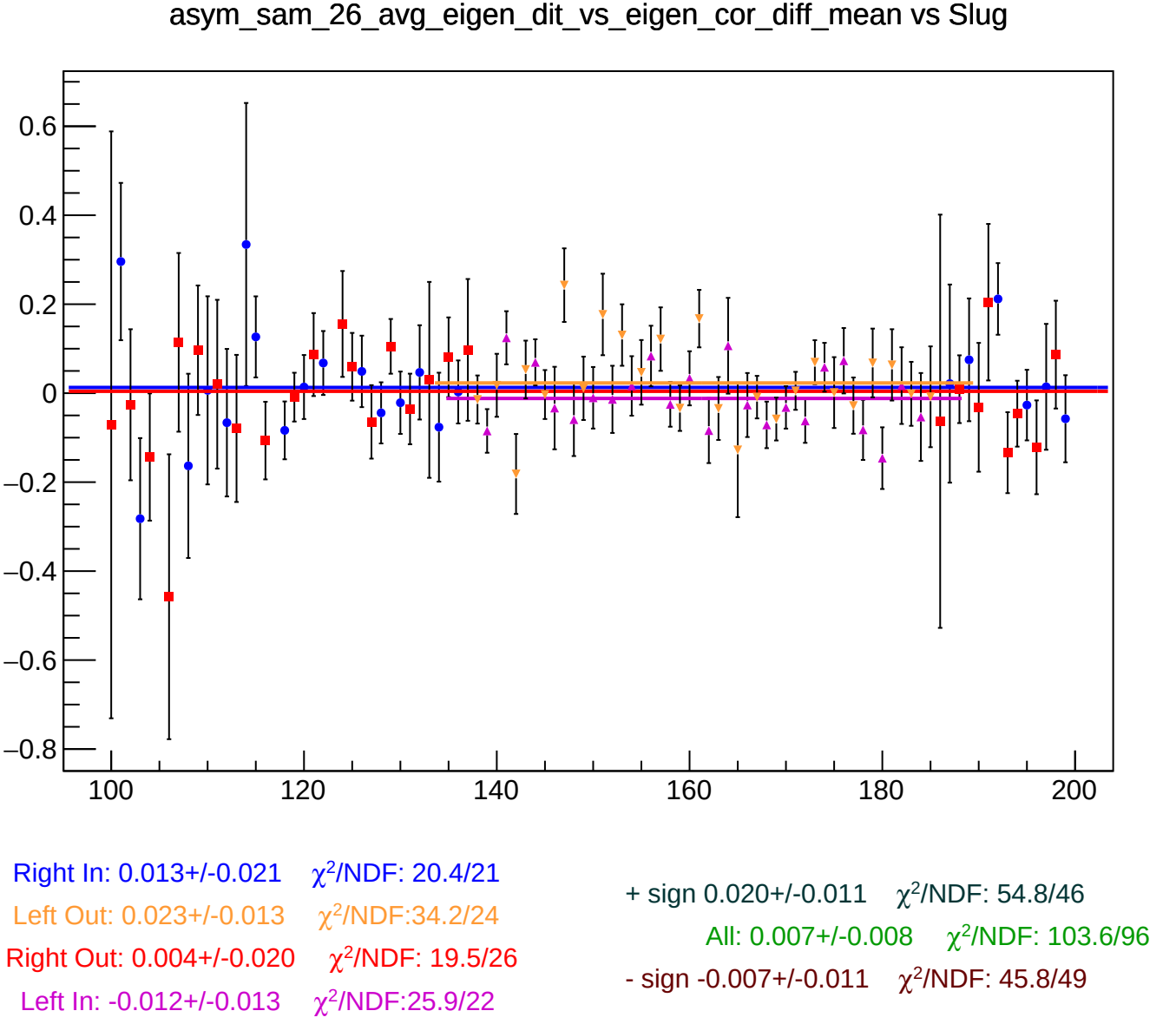
Right Out: 63.703+/-0.014 χ^2/NDF: 3750776.6/26

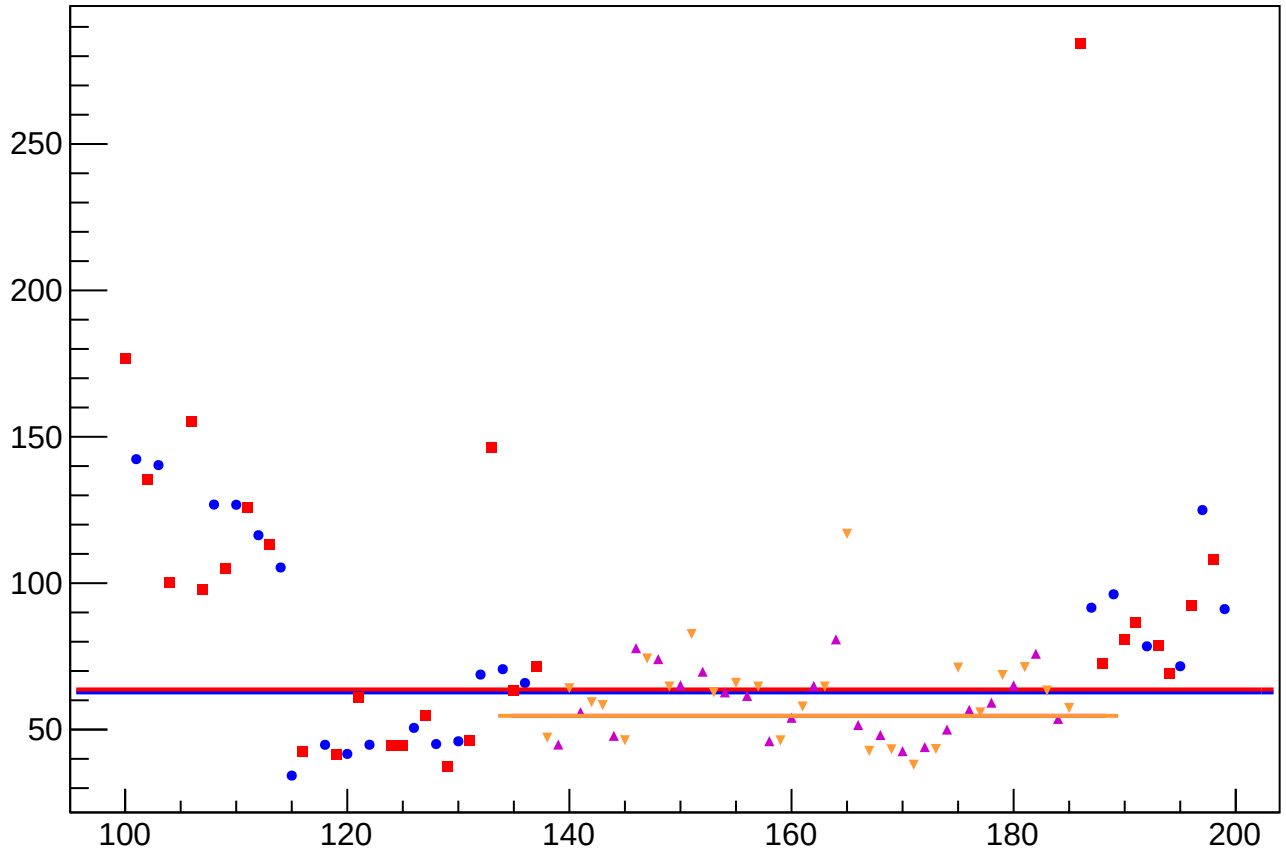
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.955+/-0.008 χ^2/NDF: 5308791.1/46

All: 57.206+/-0.005 χ^2/NDF: 10536753.8/96

- 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: 0.013+/-0.021 χ²/NDF: 20.4/21
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 0.020+/-0.011 χ²/NDF: 54.8/46
All: 0.007+/-0.008 χ²/NDF: 103.6/96
- sign -0.007+/-0.011 χ²/NDF: 45.8/49



Right In: 62.696+/-0.015 χ^2/NDF: 3154859.1/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.703+/-0.014 χ^2/NDF: 3750776.6/26

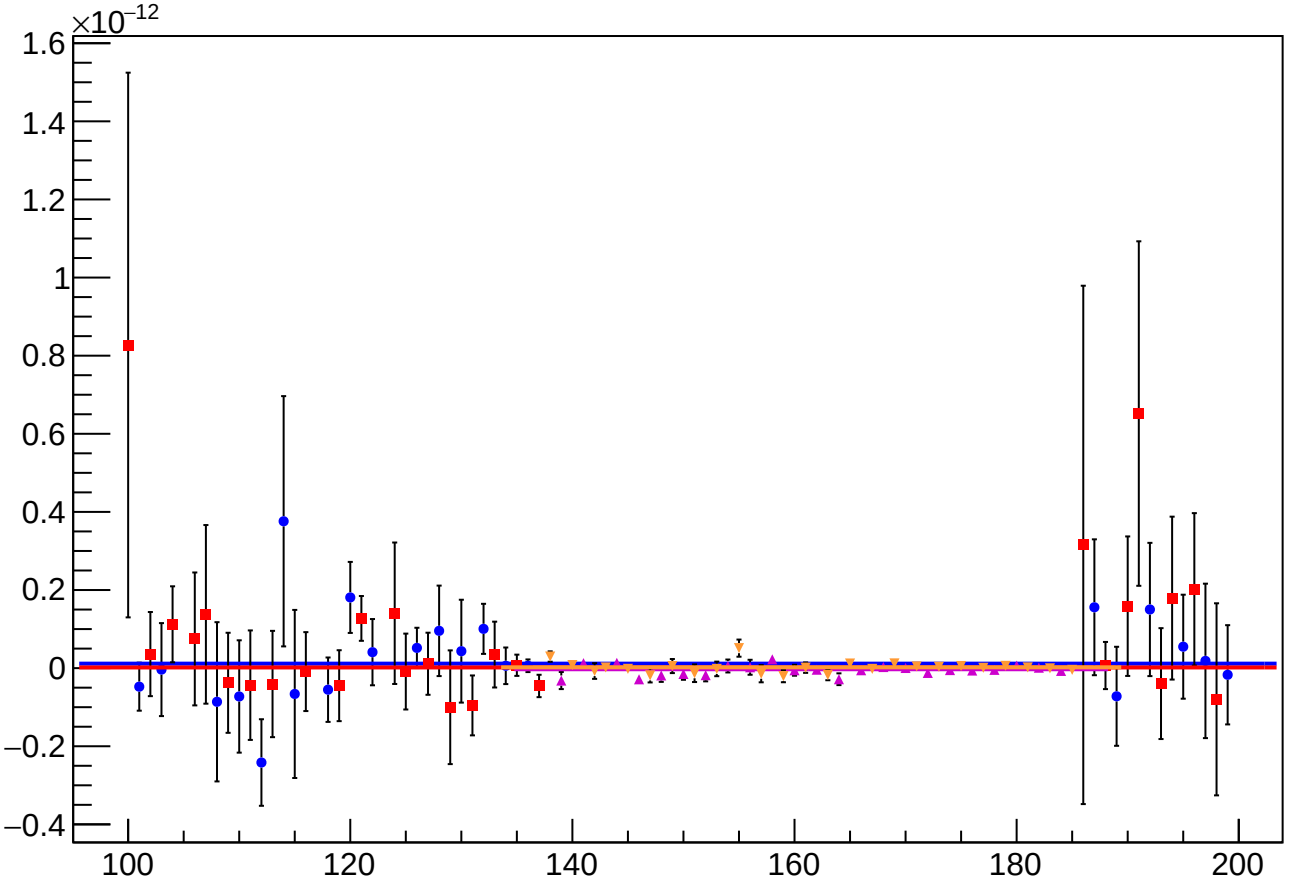
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.955+/-0.008 χ^2/NDF: 5308791.1/46

All: 57.206+/-0.005 χ^2/NDF: 10536753.8/96

- 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: 17.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

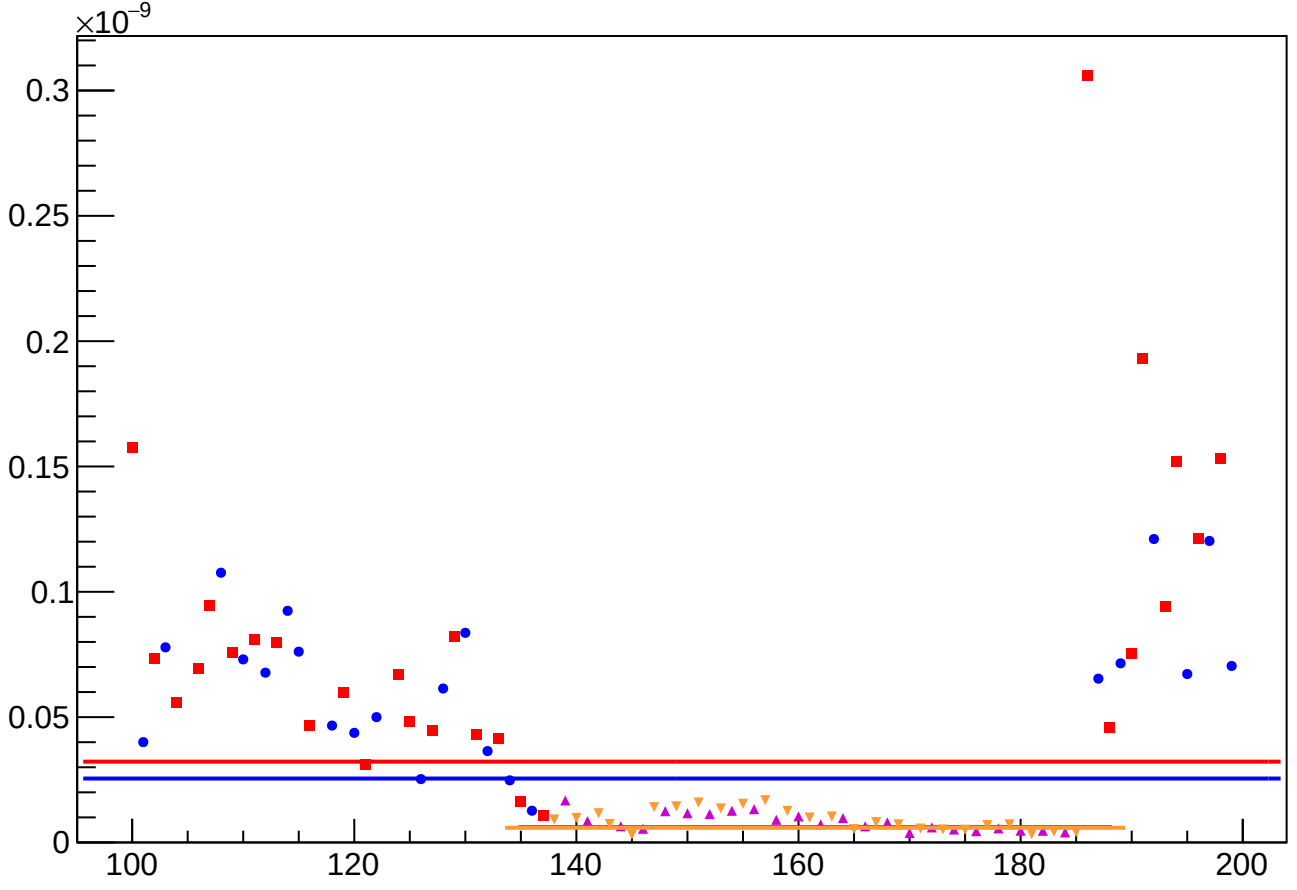
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/26

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/46

All: -0.000+/-0.000 χ^2/NDF: 95.2/96

- sign -0.000+/-0.000 χ^2/NDF: 52.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 5709197.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6717754.2/26

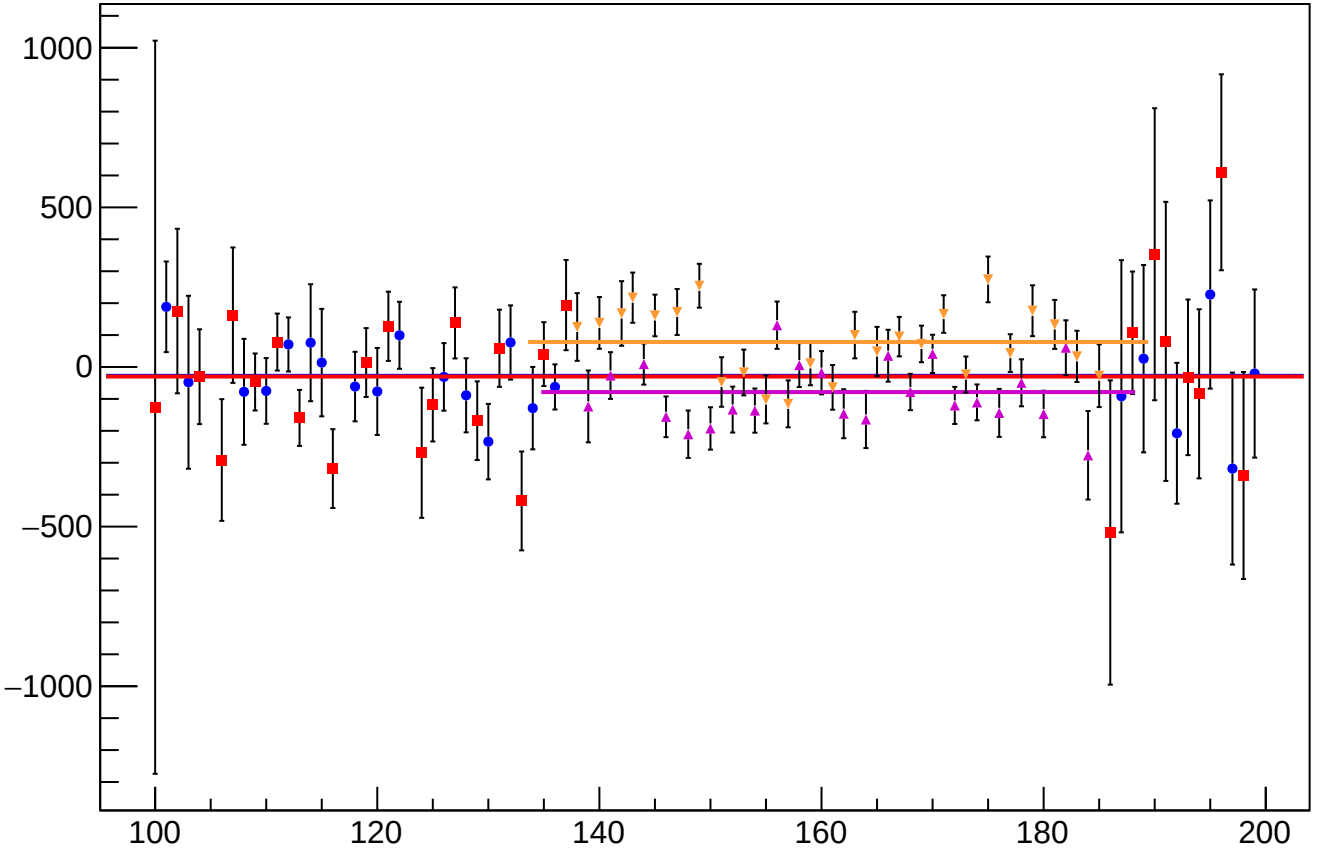
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15953040.2/46

All: 0.000+/-0.000 χ^2/NDF: 32156768.0/96

- sign 0.000+/-0.000 χ^2/NDF: 16180328.7/49

reg_asym_sam_37_avg_mean vs Slug



Right In: -27.647+/-28.051 χ^2/NDF: 13.4/21

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -29.906+/-27.442 χ^2/NDF: 37.8/26

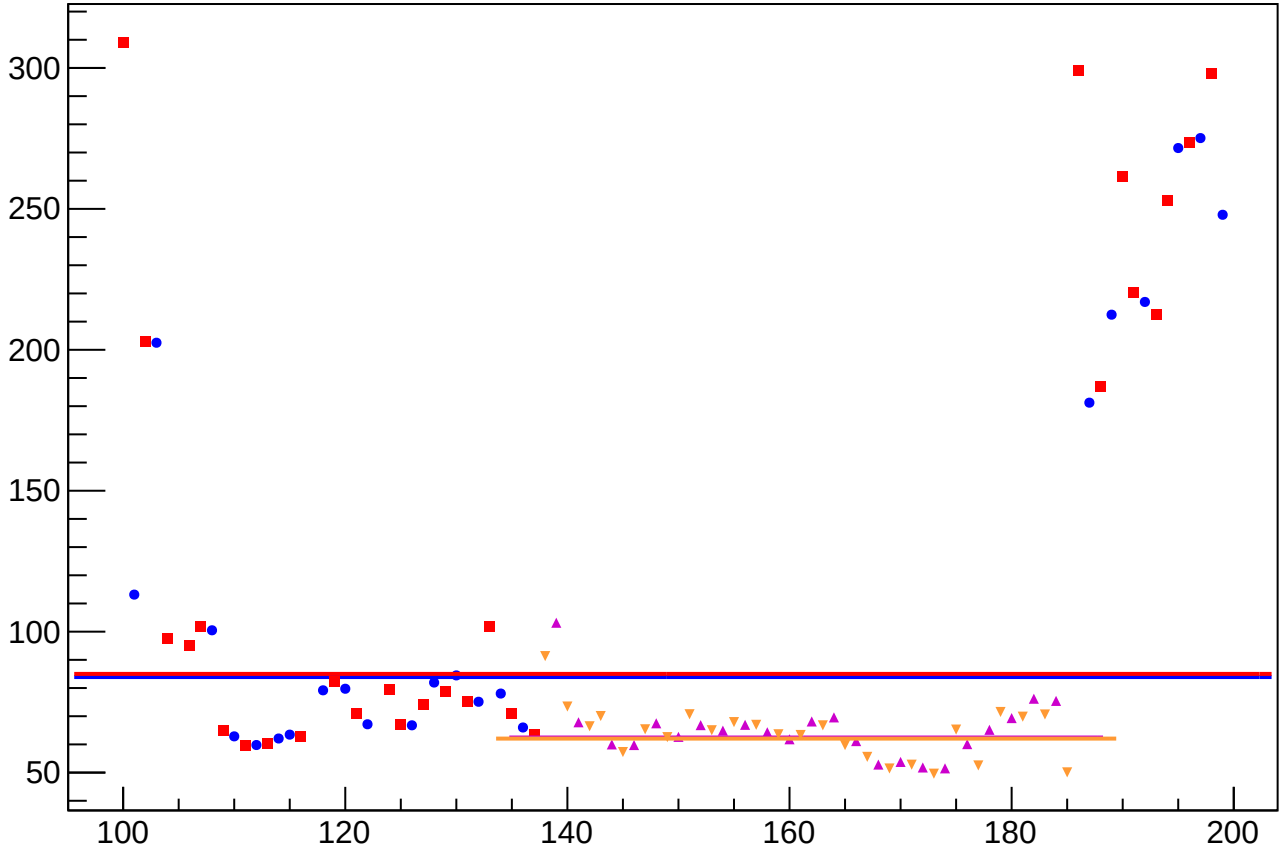
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.272+/-12.758 χ^2/NDF: 78.6/46

All: -4.311+/-9.117 χ^2/NDF: 201.5/96

- sign -67.543+/-13.034 χ^2/NDF: 76.8/49

reg_asym_sam_37_avg_rms vs Slug



Right In: 83.898+/-0.020 χ^2/NDF: 4654913.4/21

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 85.014+/-0.019 χ^2/NDF: 5669238.2/26

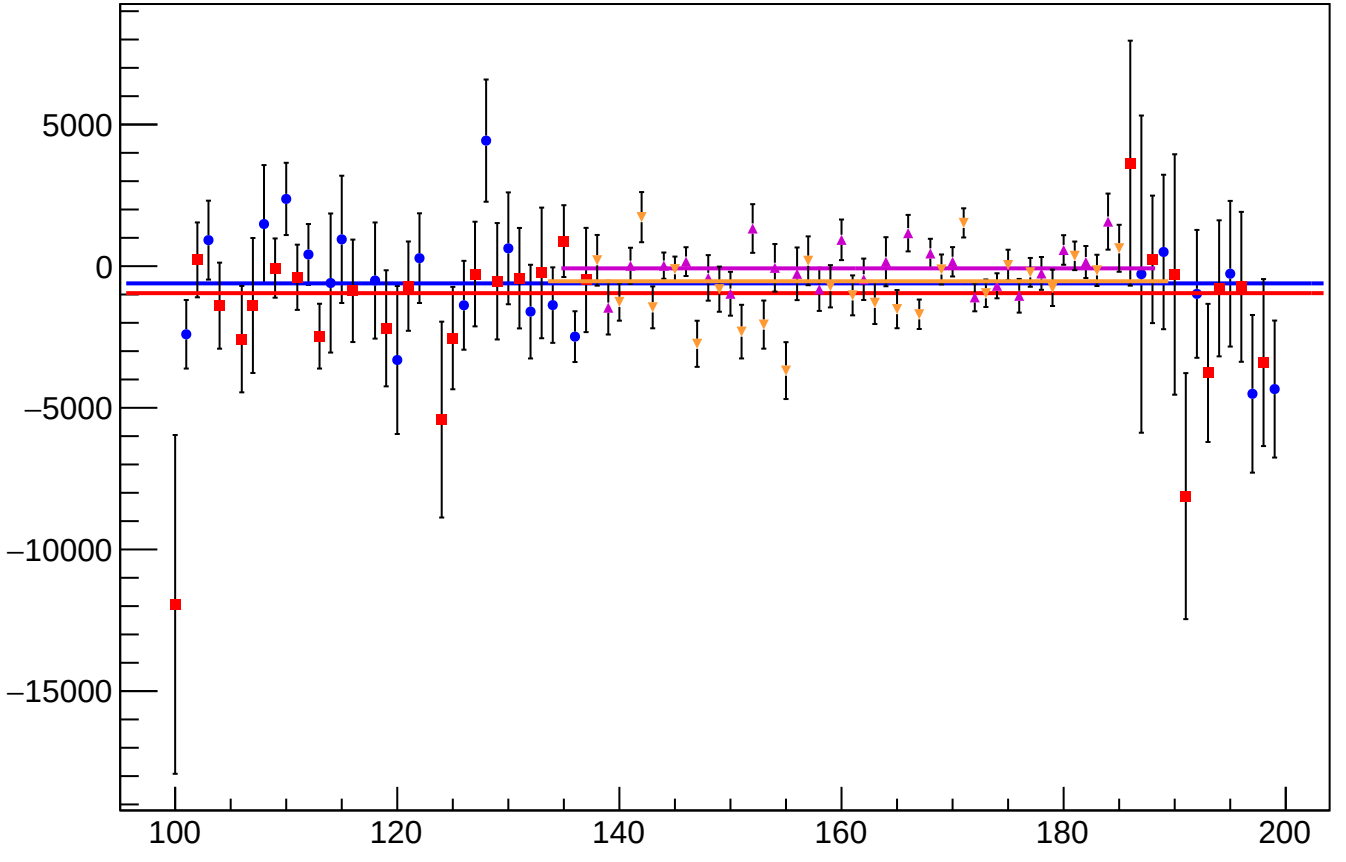
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.579+/-0.009 χ^2/NDF: 6302592.3/46

All: 67.048+/-0.006 χ^2/NDF: 13689504.9/96

- sign 67.536+/-0.009 χ^2/NDF: 7381407.1/49

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -607.585+/-355.240 χ^2/NDF: 28.4/21

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -952.519+/-349.722 χ^2/NDF: 19.3/26

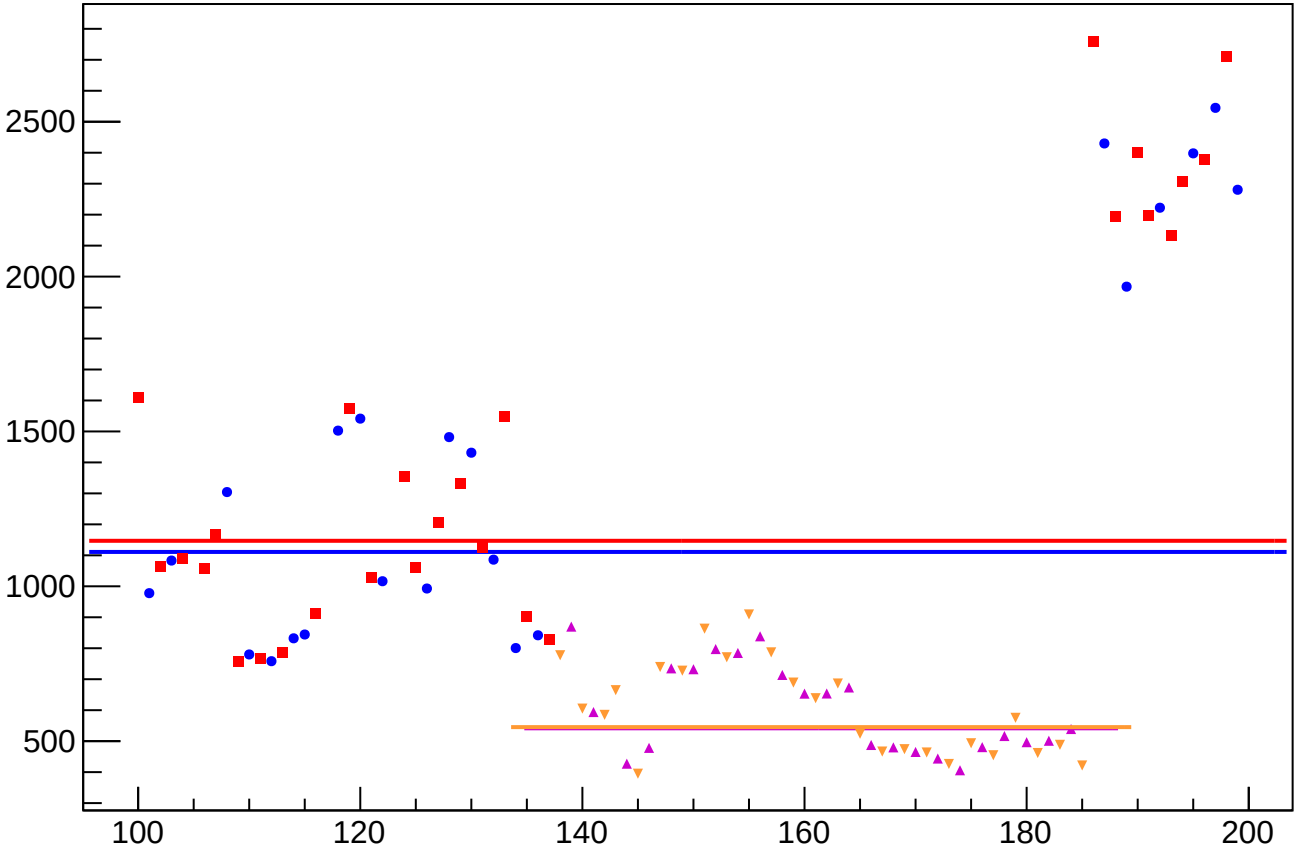
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -541.366+/-120.360 χ^2/NDF: 97.5/46

All: -365.314+/-85.721 χ^2/NDF: 155.0/96

- sign -184.092+/-122.115 χ^2/NDF: 53.1/49

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1110.959+/-0.251 χ^2/NDF: 3286724.5/21

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1146.909+/-0.247 χ^2/NDF: 3869195.7/26

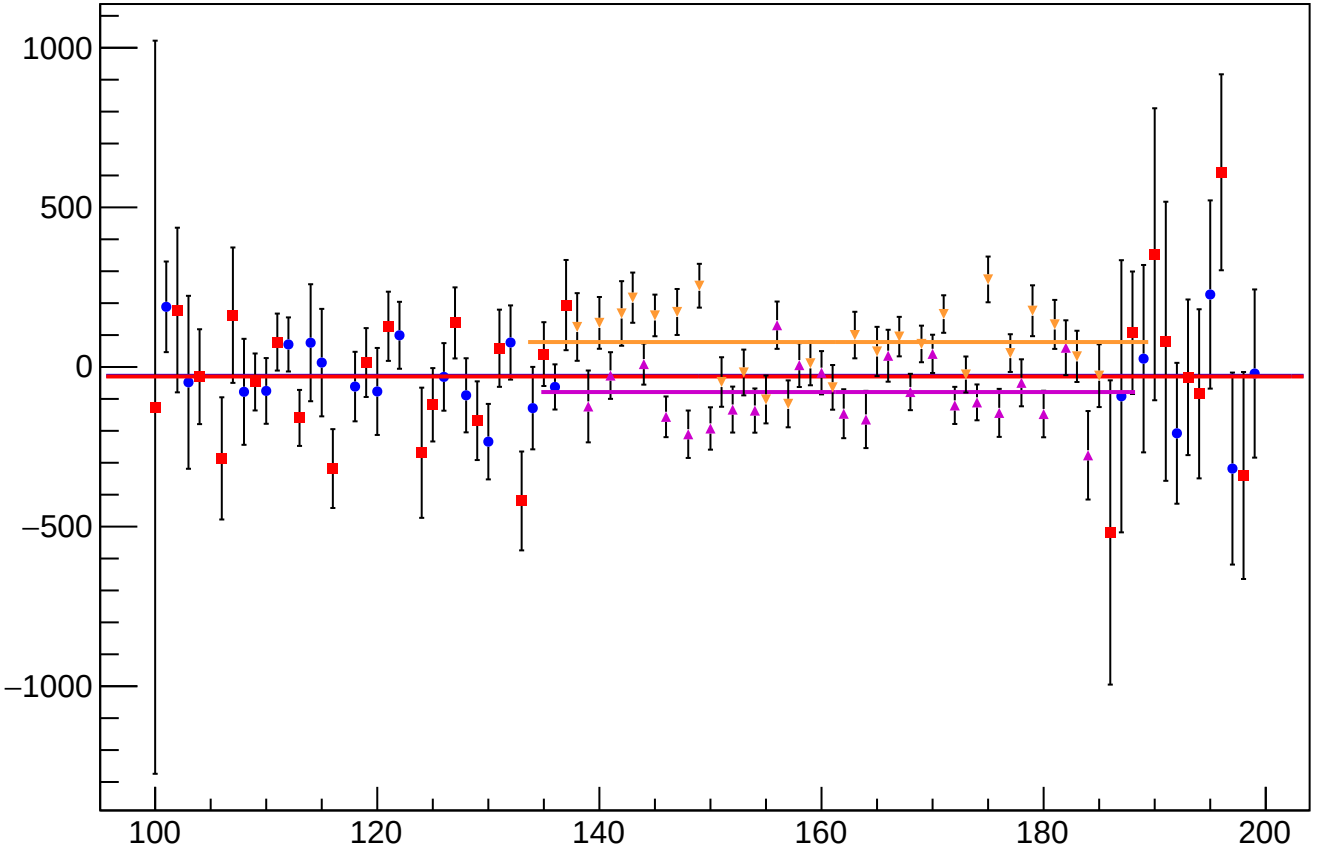
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 610.238+/-0.085 χ^2/NDF: 9859258.8/46

All: 612.721+/-0.061 χ^2/NDF: 20834016.0/96

- sign 615.277+/-0.086 χ^2/NDF: 10973030.4/49

cor_asym_sam_37_avg_mean vs Slug



Right In: -27.654+/-28.051 χ^2/NDF: 13.4/21

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -29.717+/-27.445 χ^2/NDF: 37.7/26

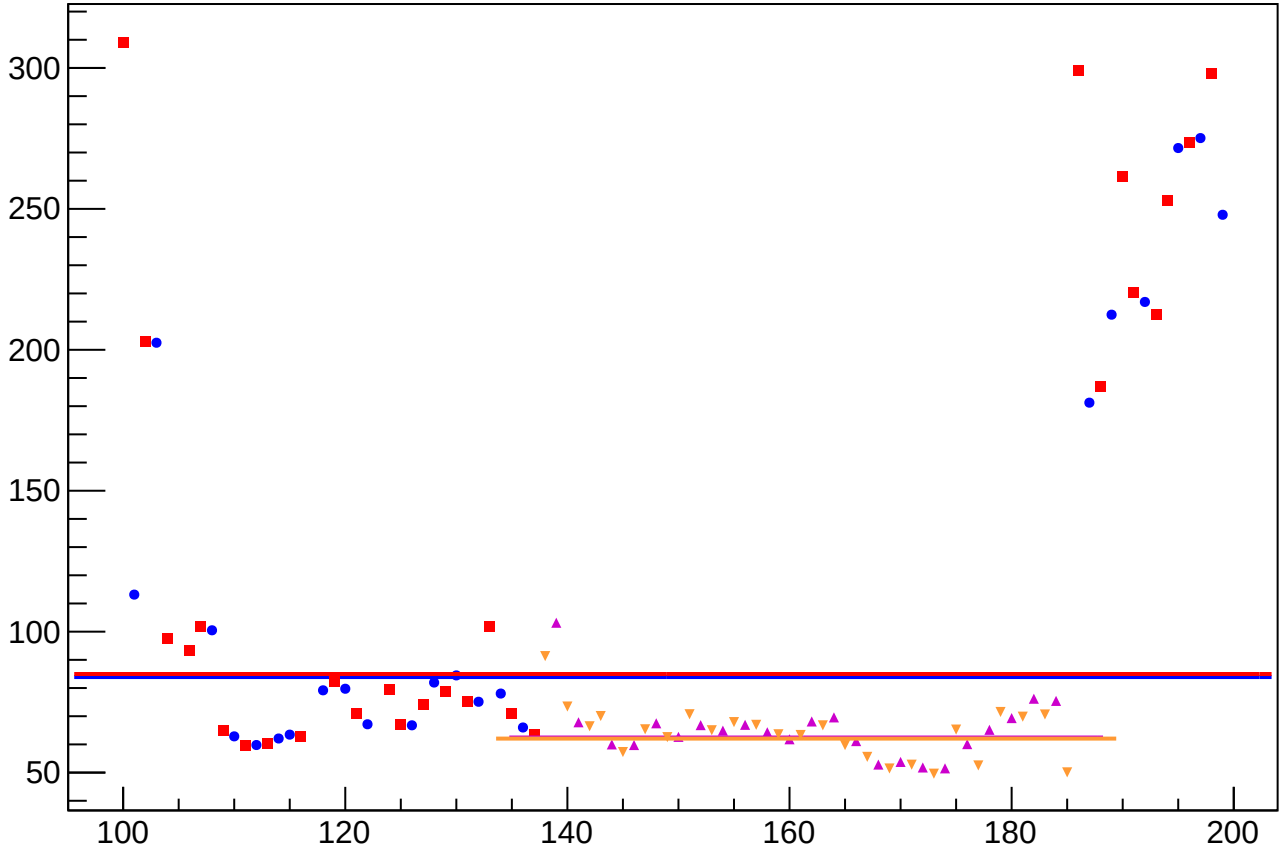
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.273+/-12.758 χ^2/NDF: 78.6/46

All: -4.289+/-9.117 χ^2/NDF: 201.4/96

- sign -67.502+/-13.034 χ^2/NDF: 76.8/49

cor_asym_sam_37_avg_rms vs Slug



Right In: 83.898+/-0.020 χ^2/NDF: 4654915.6/21

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 84.977+/-0.019 χ^2/NDF: 5667707.0/26

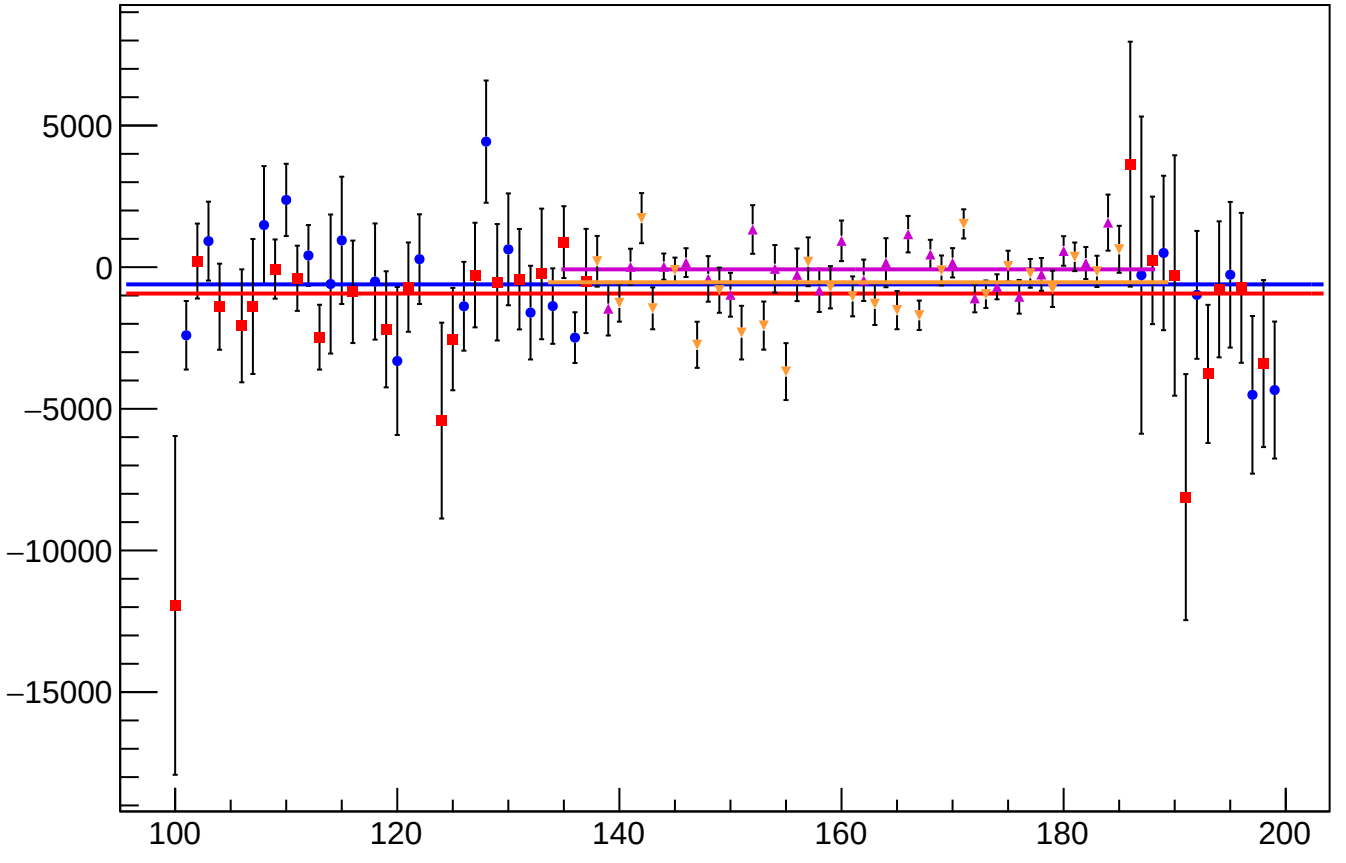
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.579+/-0.009 χ^2/NDF: 6302594.2/46

All: 67.043+/-0.006 χ^2/NDF: 13684303.3/96

- sign 67.527+/-0.009 χ^2/NDF: 7376307.4/49

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -607.575+/-355.242 χ^2/NDF: 28.4/21

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

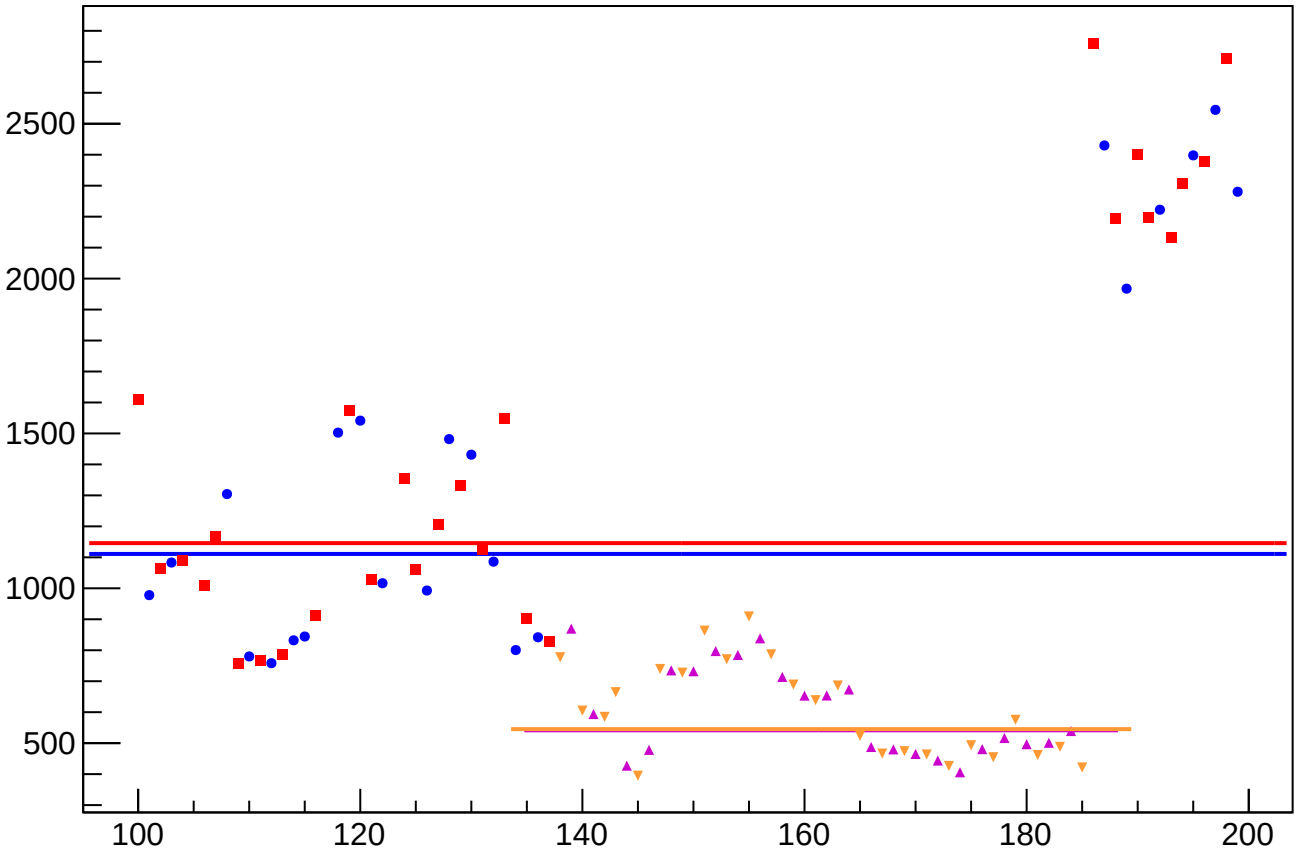
Right Out: -931.135+/-350.430 χ^2/NDF: 18.8/26

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -541.363+/-120.360 χ^2/NDF: 97.5/46

All: -363.890+/-85.732 χ^2/NDF: 154.4/96

- sign -181.115+/-122.145 χ^2/NDF: 52.4/49



Right In: 1110.967+/-0.251 χ^2/NDF: 3286720.9/21

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1145.839+/-0.248 χ^2/NDF: 3874008.5/26

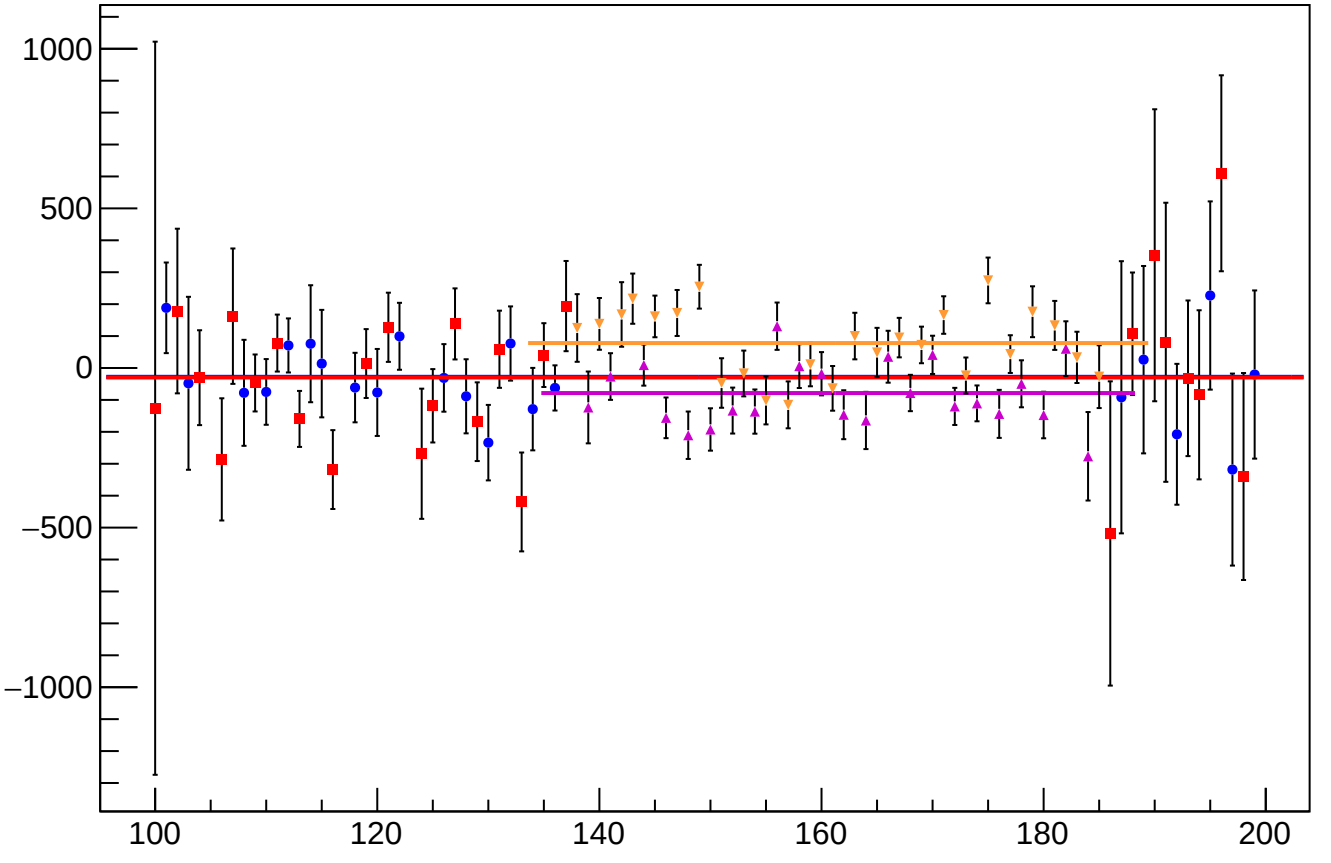
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 610.238+/-0.085 χ^2/NDF: 9859313.3/46

All: 612.528+/-0.061 χ^2/NDF: 20801436.9/96

- sign 614.885+/-0.086 χ^2/NDF: 10940655.1/49

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -27.654+/-28.051 χ^2/NDF: 13.4/21

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -29.717+/-27.445 χ^2/NDF: 37.7/26

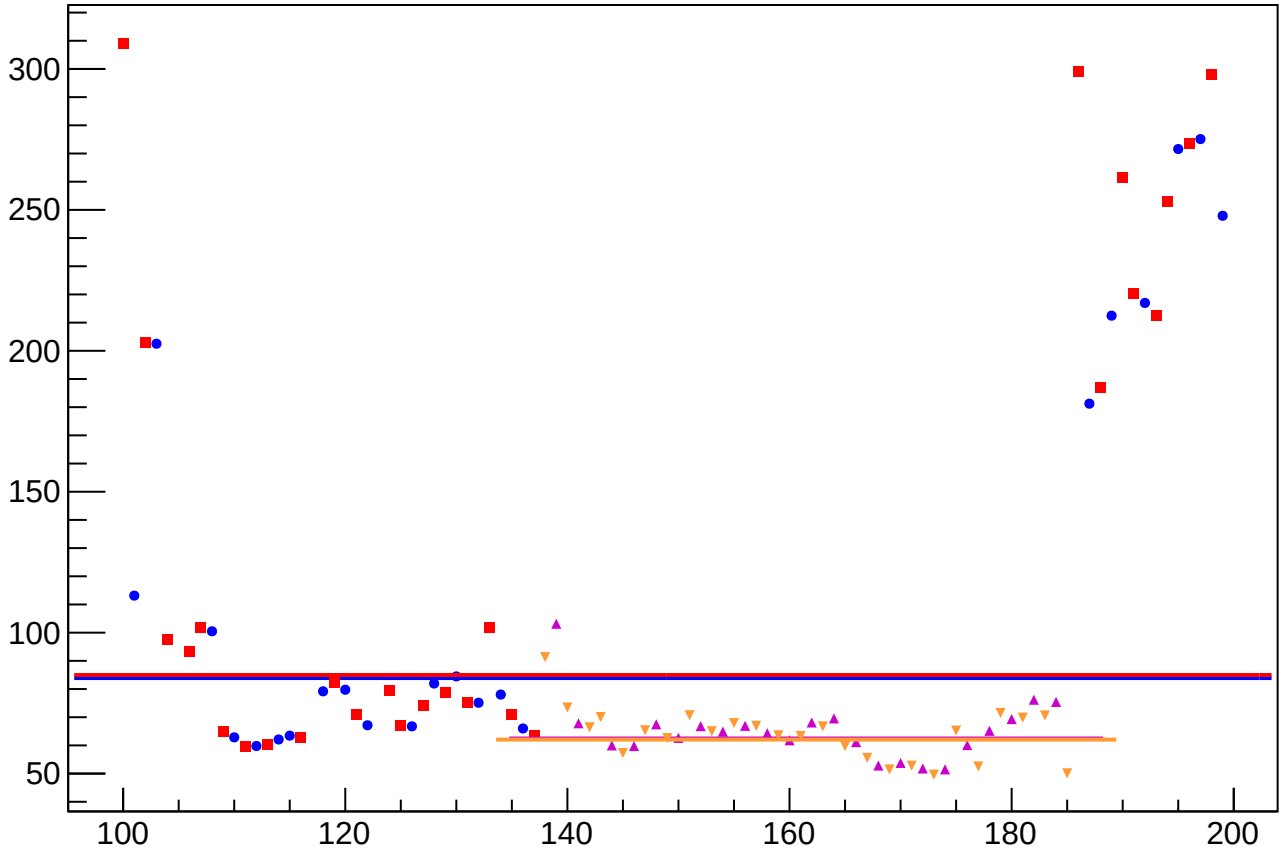
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.273+/-12.758 χ^2/NDF: 78.6/46

All: -4.289+/-9.117 χ^2/NDF: 201.4/96

- sign -67.502+/-13.034 χ^2/NDF: 76.8/49

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 83.898+/-0.020 χ^2/NDF: 4654915.6/21

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

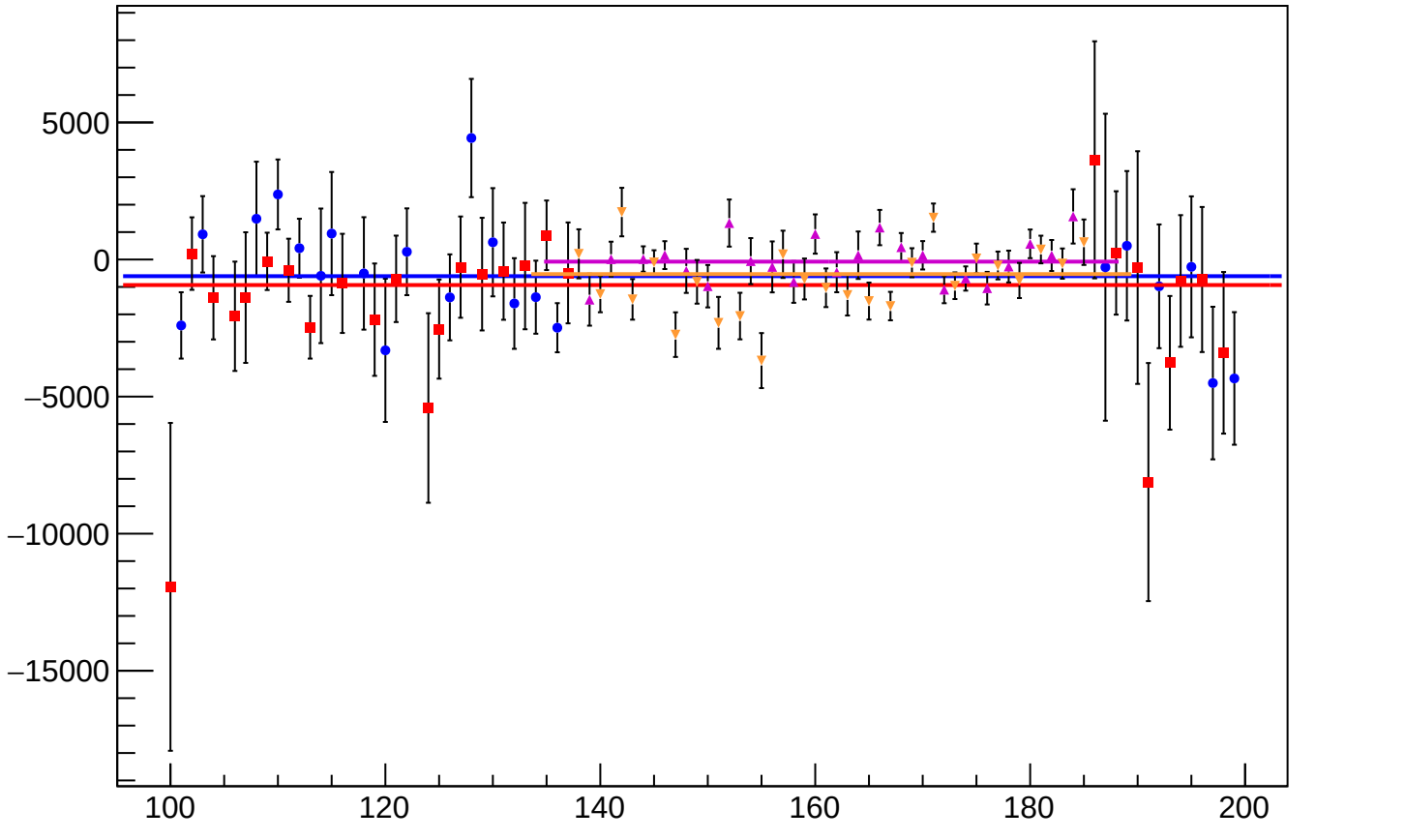
Right Out: 84.977+/-0.019 χ^2/NDF: 5667707.0/26

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.579+/-0.009 χ^2/NDF: 6302594.2/46

All: 67.043+/-0.006 χ^2/NDF: 13684303.3/96

- sign 67.527+/-0.009 χ^2/NDF: 7376307.4/49



Right In: -607.575+/-355.242 χ^2/NDF: 28.4/21

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

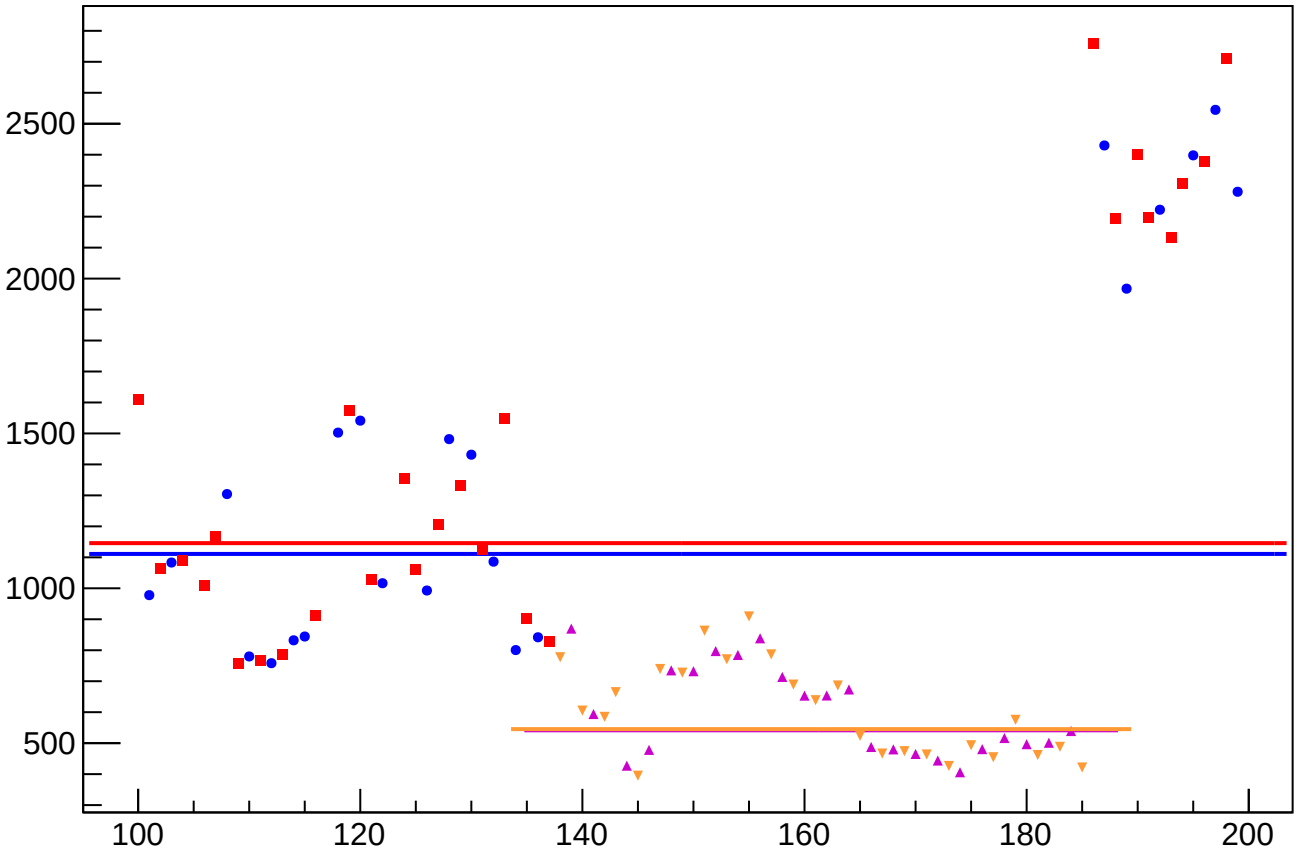
Right Out: -931.135+/-350.430 χ^2/NDF: 18.8/26

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -541.363+/-120.360 χ^2/NDF: 97.5/46

All: -363.890+/-85.732 χ^2/NDF: 154.4/96

- sign -181.115+/-122.145 χ^2/NDF: 52.4/49



Right In: 1110.967+/-0.251 χ^2/NDF: 3286720.9/21

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1145.839+/-0.248 χ^2/NDF: 3874008.5/26

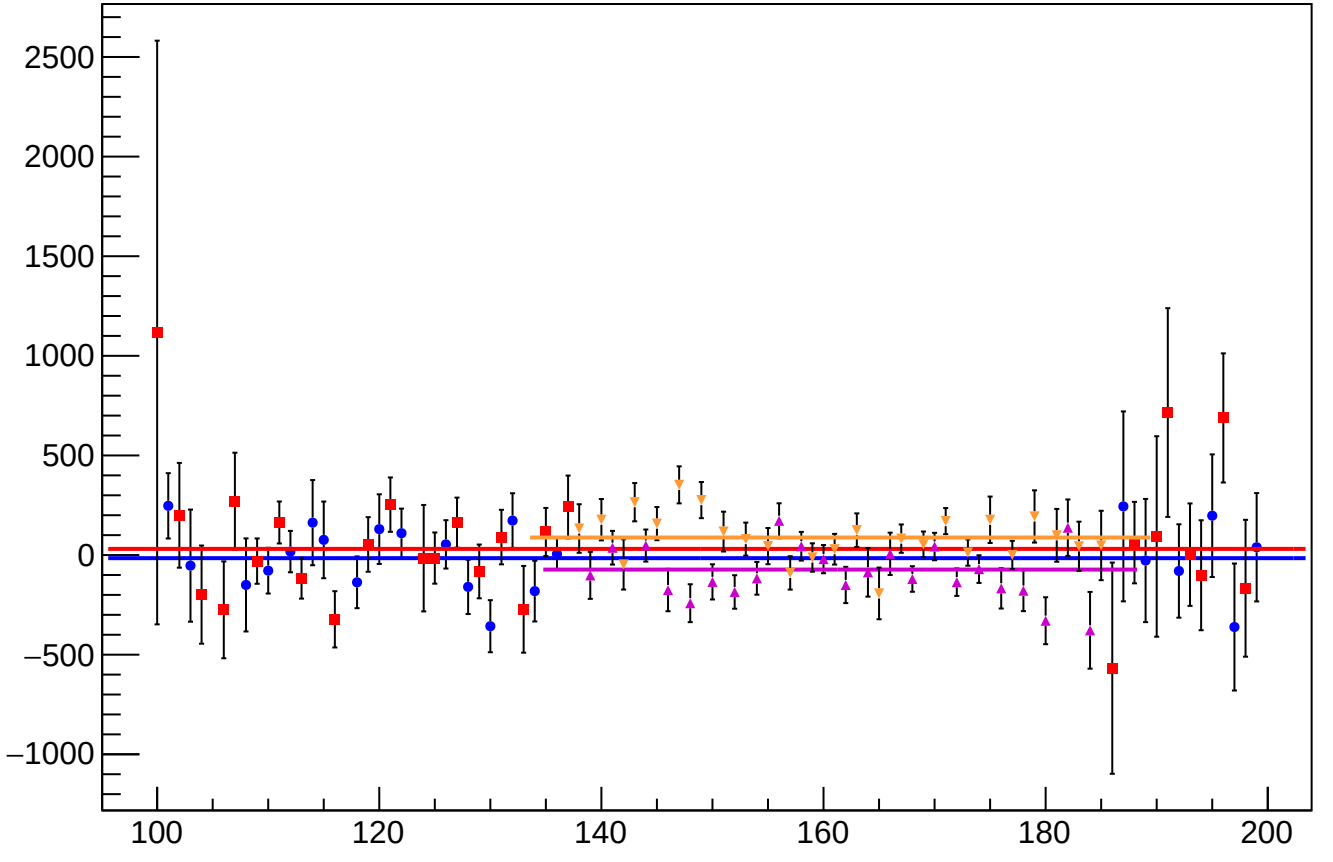
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 610.238+/-0.085 χ^2/NDF: 9859313.3/46

All: 612.528+/-0.061 χ^2/NDF: 20801436.9/96

- sign 614.885+/-0.086 χ^2/NDF: 10940655.1/49

dit_asym_sam_37_avg_mean vs Slug



Right In: -15.594+/-32.541 χ^2/NDF: 20.3/21

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 31.027+/-32.570 χ^2/NDF: 31.3/26

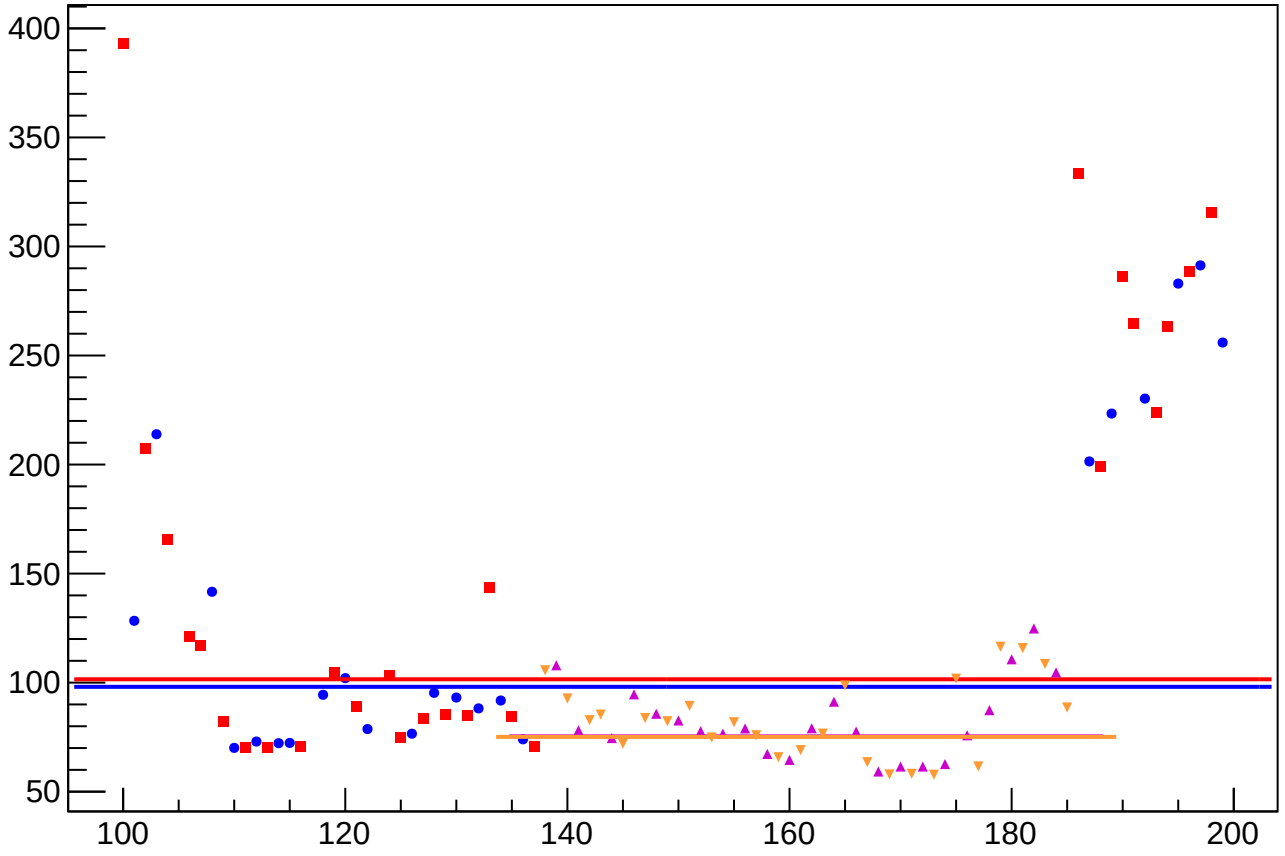
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 64.287+/-15.579 χ^2/NDF: 65.1/46

All: 9.436+/-11.141 χ^2/NDF: 167.9/96

- sign -47.974+/-15.938 χ^2/NDF: 77.5/49

dit_asym_sam_37_avg_rms vs Slug



Right In: 98.073+/-0.023 χ^2/NDF: 4282382.0/21

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 101.538+/-0.023 χ^2/NDF: 5345382.0/26

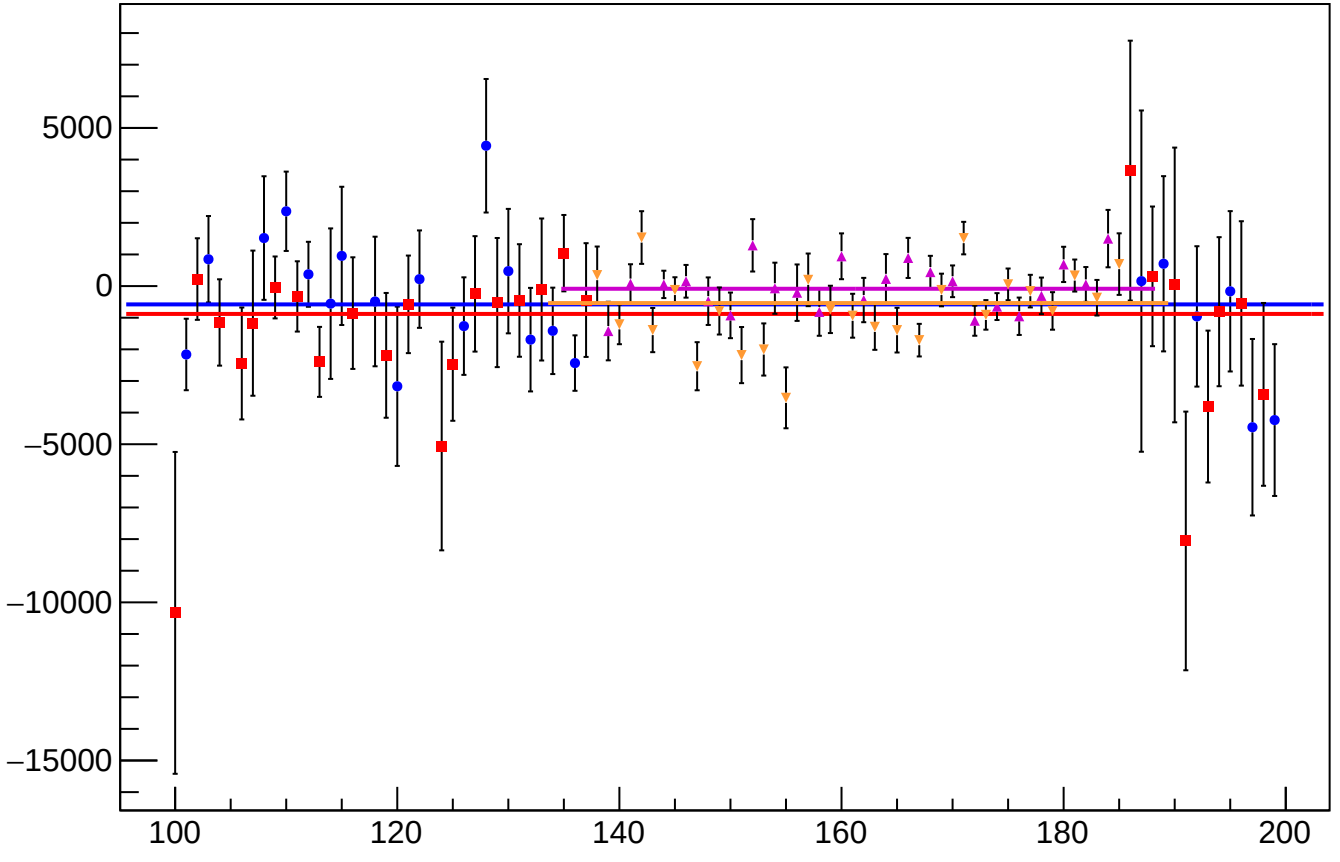
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 80.387+/-0.011 χ^2/NDF: 6650289.6/46

All: 80.995+/-0.008 χ^2/NDF: 14209653.5/96

- sign 81.631+/-0.011 χ^2/NDF: 7553130.9/49

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -578.874+/-346.965 χ^2/NDF: 28.4/21

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -880.485+/-336.969 χ^2/NDF: 20.6/26

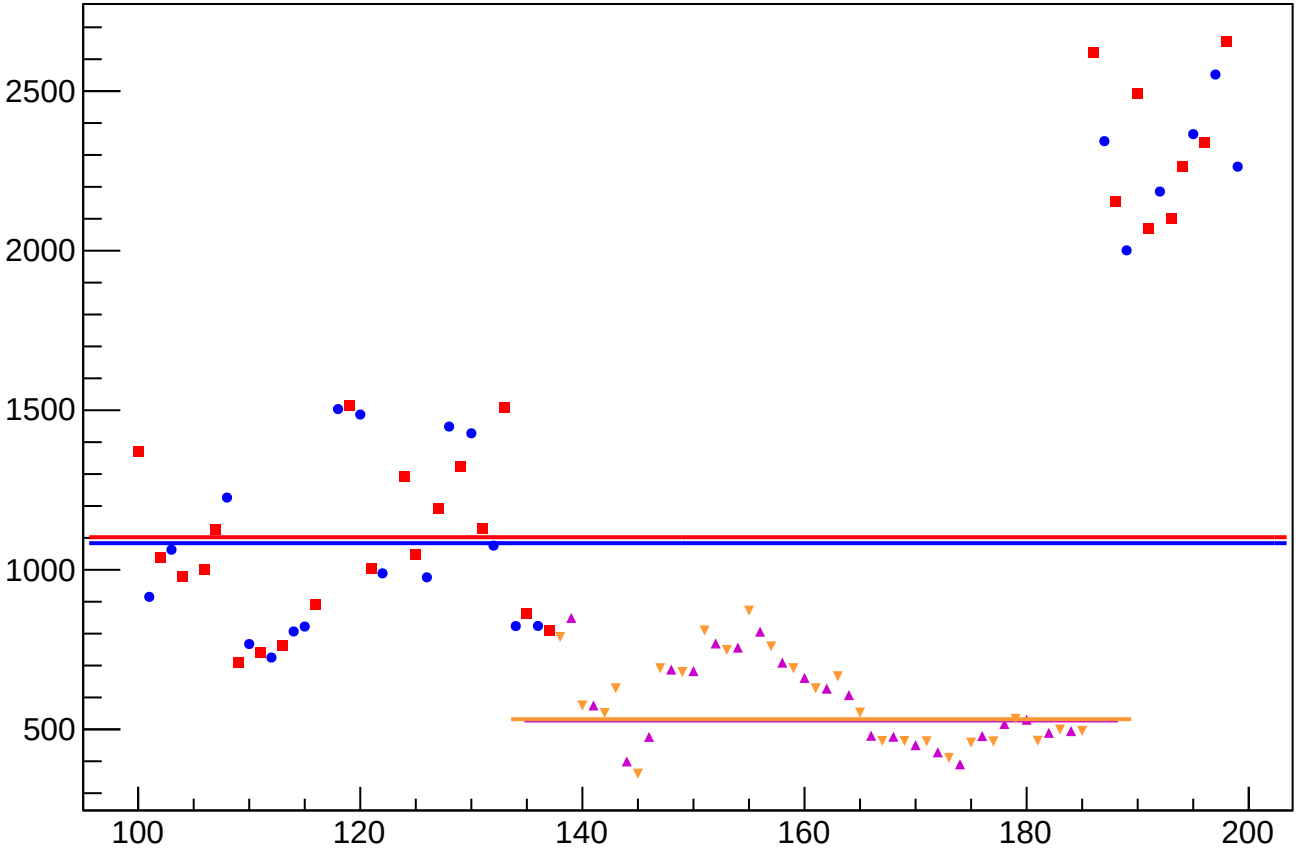
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -541.588+/-117.160 χ^2/NDF: 95.5/46

All: -365.241+/-83.444 χ^2/NDF: 153.0/96

- sign -183.704+/-118.872 χ^2/NDF: 52.9/49

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1083.479+/-0.245 χ^2/NDF: 3372985.1/21

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1102.141+/-0.238 χ^2/NDF: 4020678.3/26

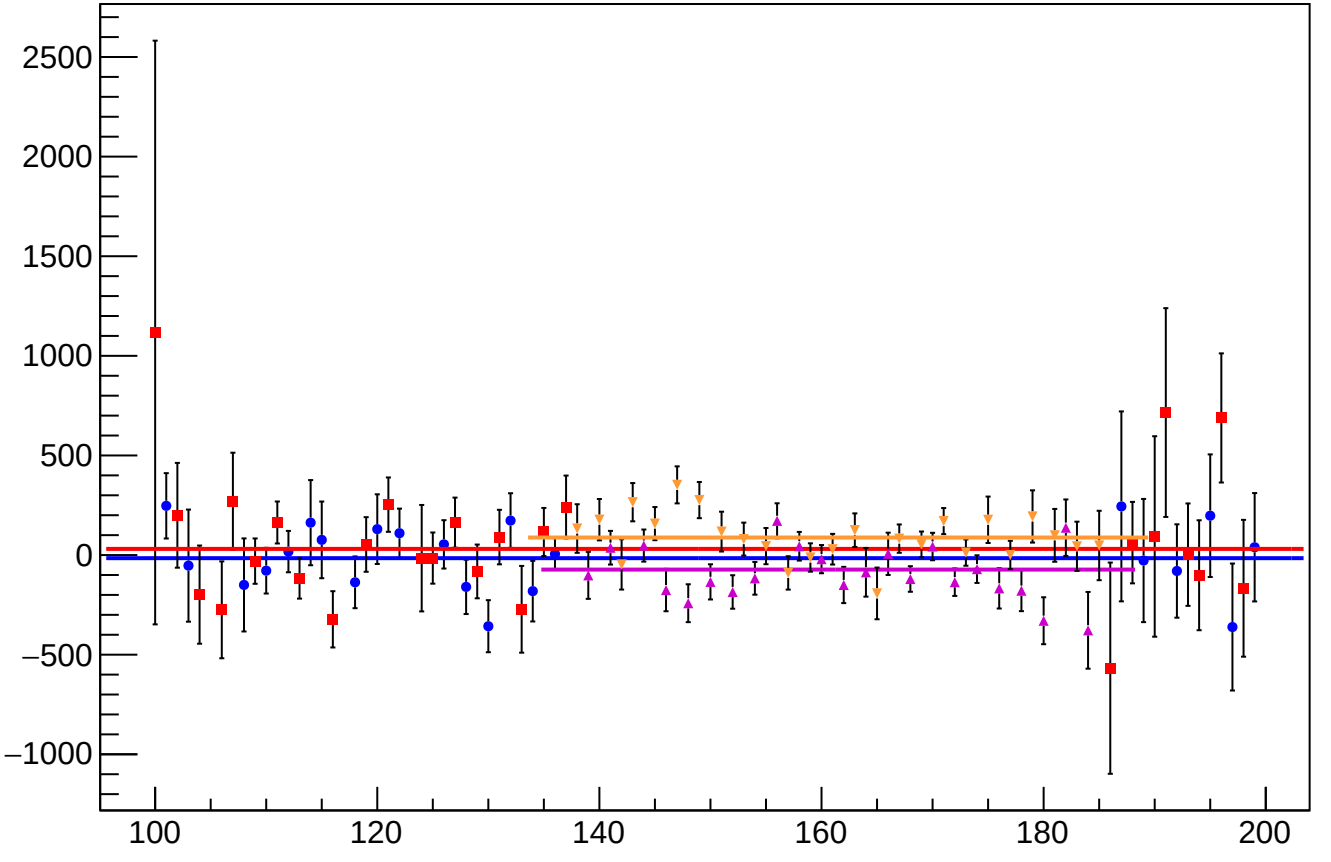
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 594.768+/-0.083 χ^2/NDF: 9889312.3/46

All: 597.068+/-0.059 χ^2/NDF: 20795847.0/96

- sign 599.437+/-0.084 χ^2/NDF: 10904969.5/49

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -15.594+/-32.541 χ^2/NDF: 20.3/21

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 31.030+/-32.570 χ^2/NDF: 31.3/26

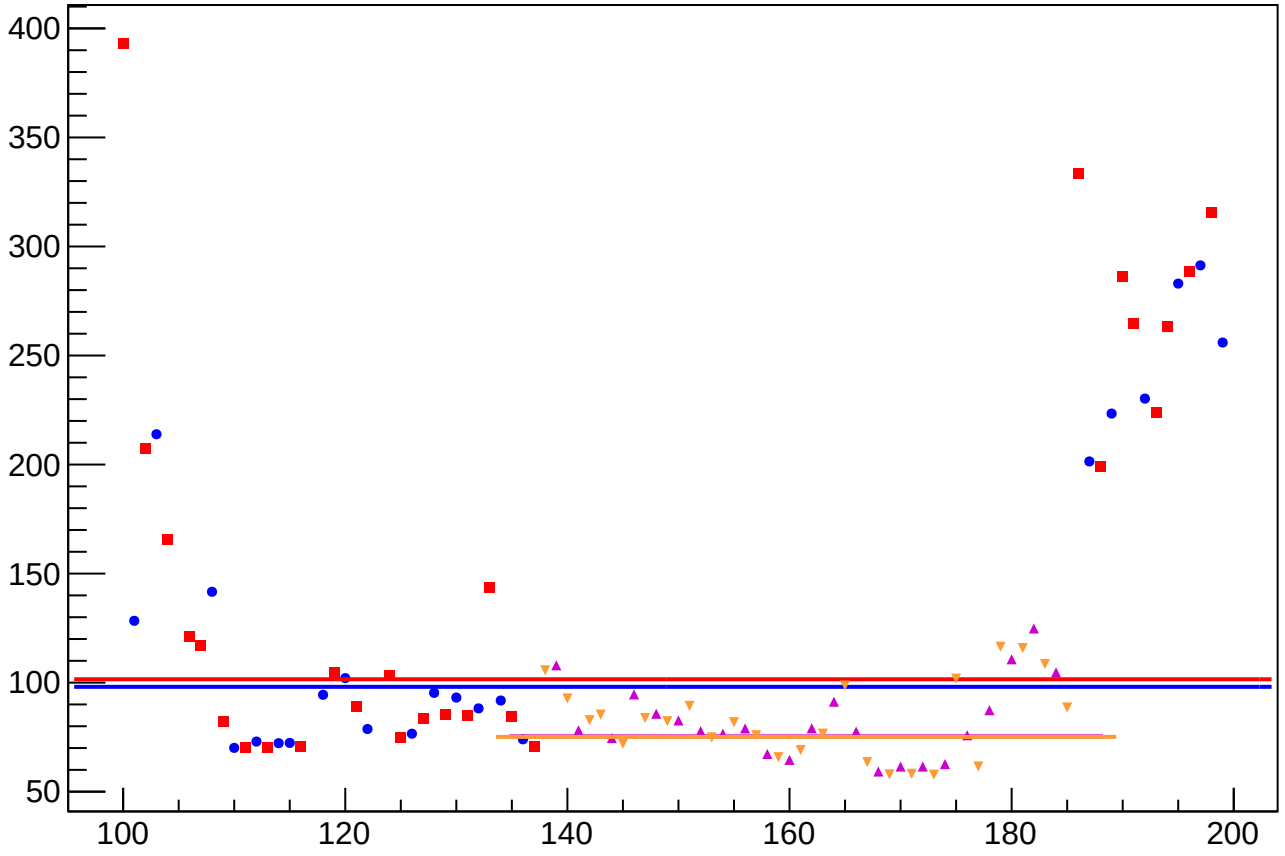
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 64.288+/-15.579 χ^2/NDF: 65.0/46

All: 9.436+/-11.141 χ^2/NDF: 167.9/96

- sign -47.973+/-15.938 χ^2/NDF: 77.5/49

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 98.073+/-0.023 χ^2/NDF: 4282359.5/21

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

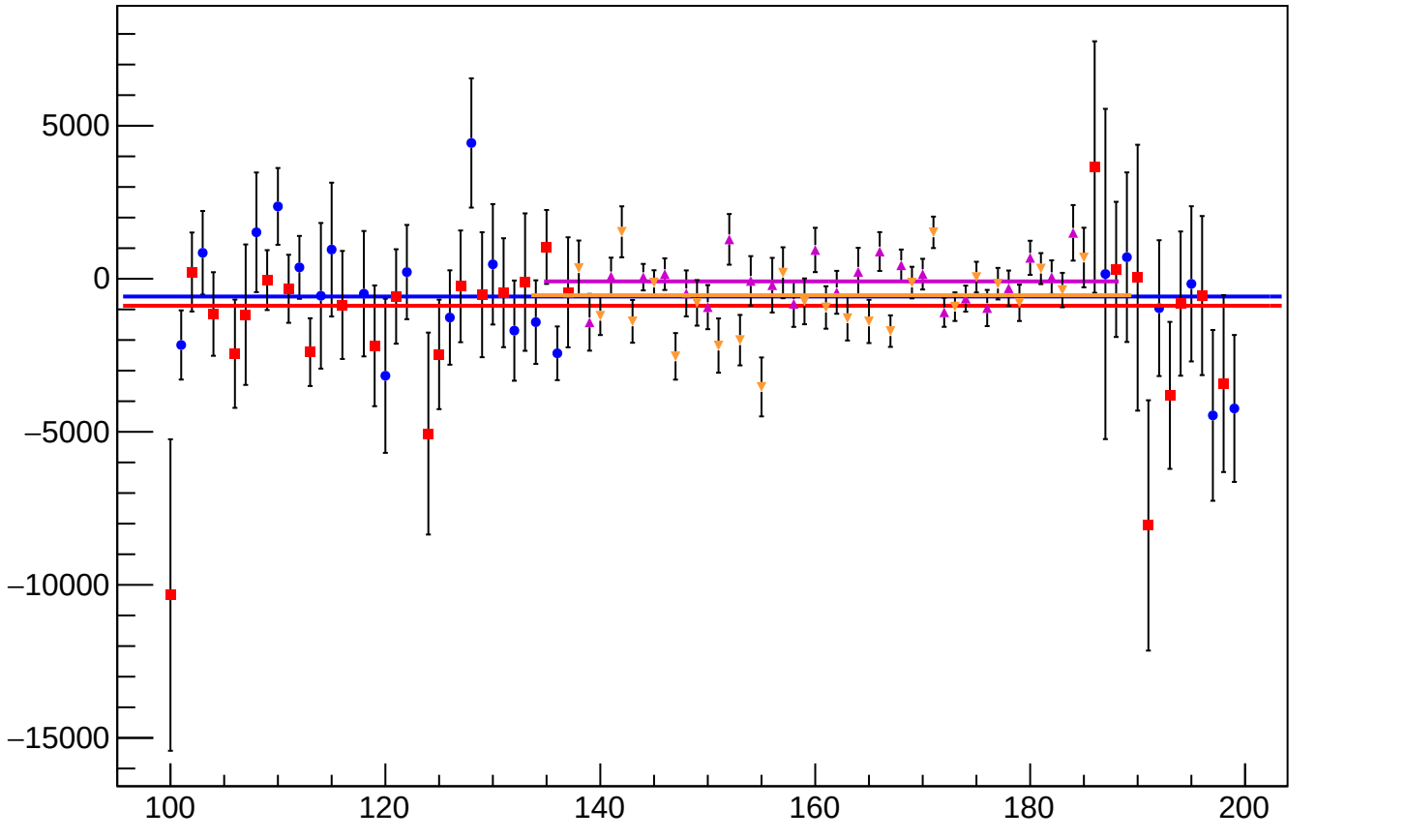
Right Out: 101.539+/-0.023 χ^2/NDF: 5345361.1/26

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 80.387+/-0.011 χ^2/NDF: 6650274.3/46

All: 80.995+/-0.008 χ^2/NDF: 14209633.8/96

- sign 81.631+/-0.011 χ^2/NDF: 7553126.6/49



Right In: -578.872+/-346.965 χ^2/NDF: 28.4/21

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: -880.485+/-336.969 χ^2/NDF: 20.6/26

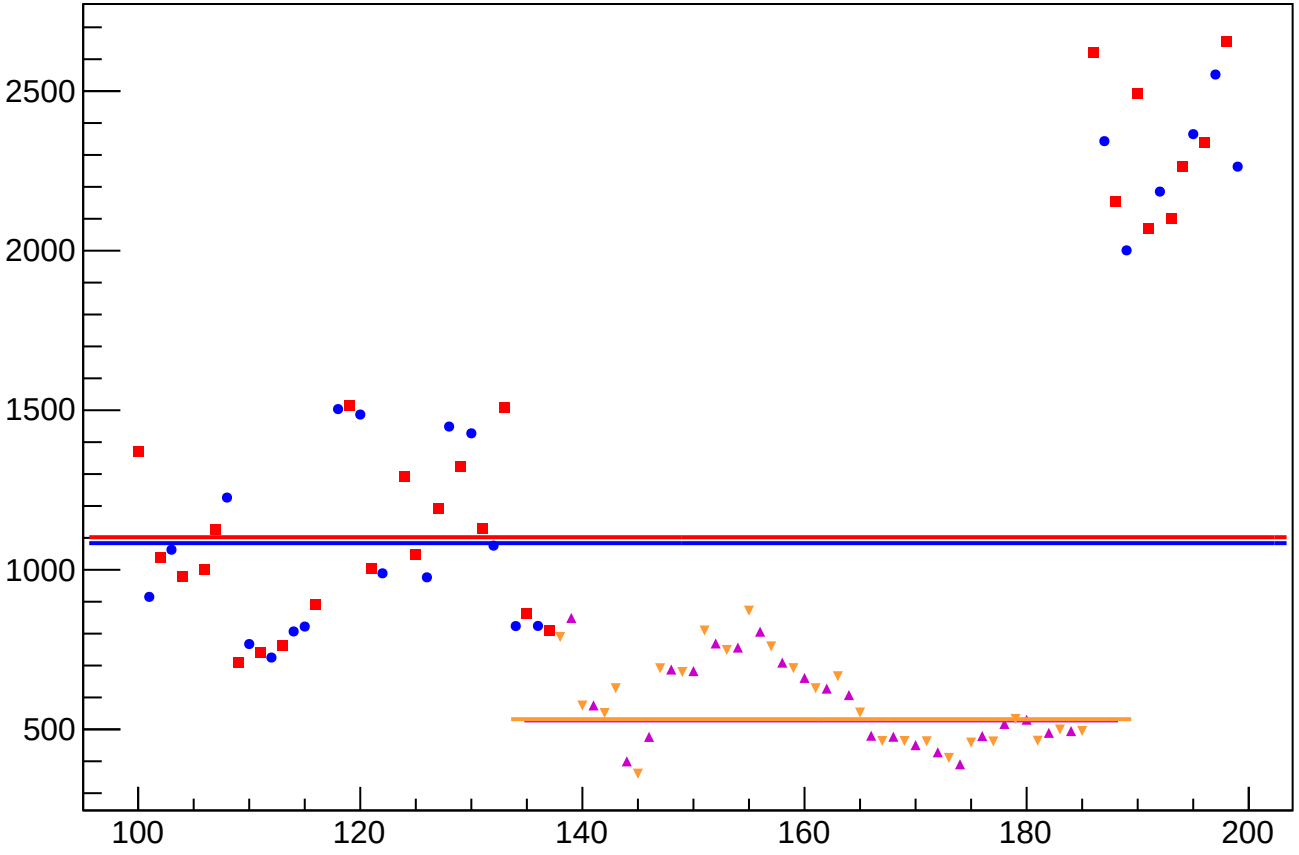
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -541.588+/-117.160 χ^2/NDF: 95.5/46

All: -365.241+/-83.443 χ^2/NDF: 153.0/96

\- sign -183.704+/-118.872 χ^2/NDF: 52.9/49

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 1083.477+/-0.245 χ^2/NDF: 3372990.8/21

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1102.139+/-0.238 χ^2/NDF: 4020683.4/26

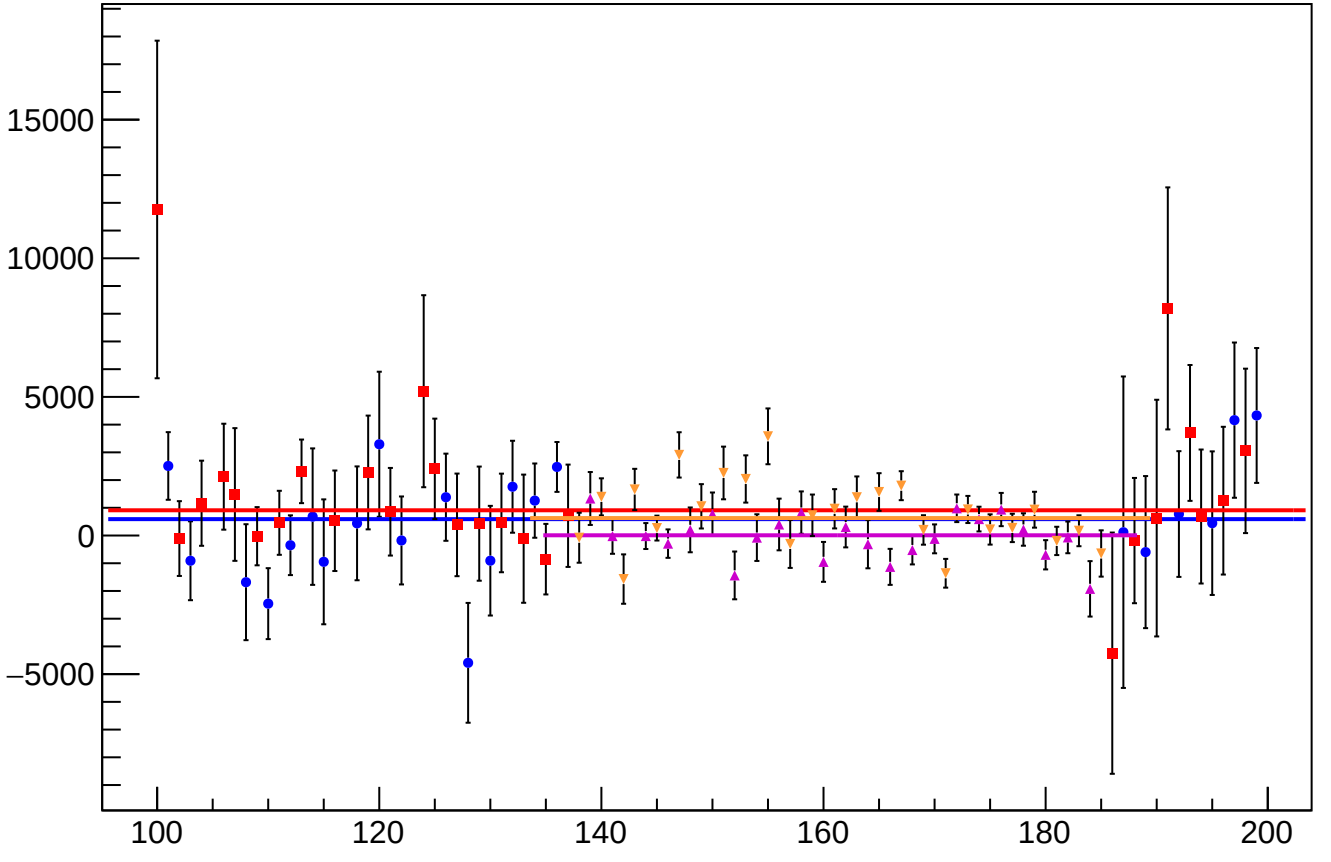
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 594.767+/-0.083 χ^2/NDF: 9889298.7/46

All: 597.068+/-0.059 χ^2/NDF: 20795815.7/96

- sign 599.436+/-0.084 χ^2/NDF: 10904951.8/49

asym_sam_37_avg_mean vs Slug



Right In: 591.029+/-357.020 χ^2/NDF: 28.9/21

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 910.418+/-351.620 χ^2/NDF: 18.0/26

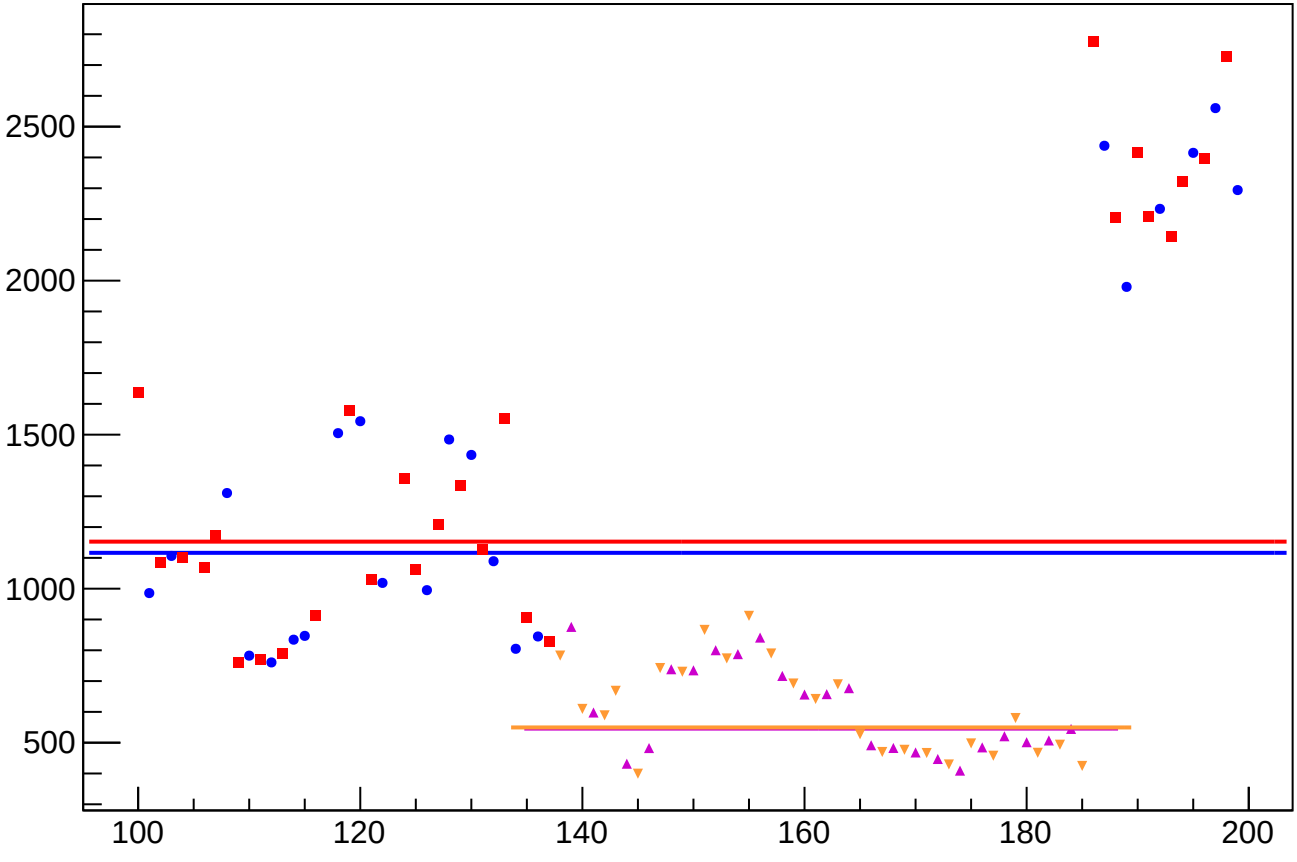
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 624.959+/-121.201 χ^2/NDF: 93.8/46

All: 375.609+/-86.329 χ^2/NDF: 153.5/96

- sign 118.821+/-122.995 χ^2/NDF: 51.1/49

asym_sam_37_avg_rms vs Slug



Right In: 1116.383+/-0.252 χ^2/NDF: 3291979.2/21

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1152.721+/-0.249 χ^2/NDF: 3877563.6/26

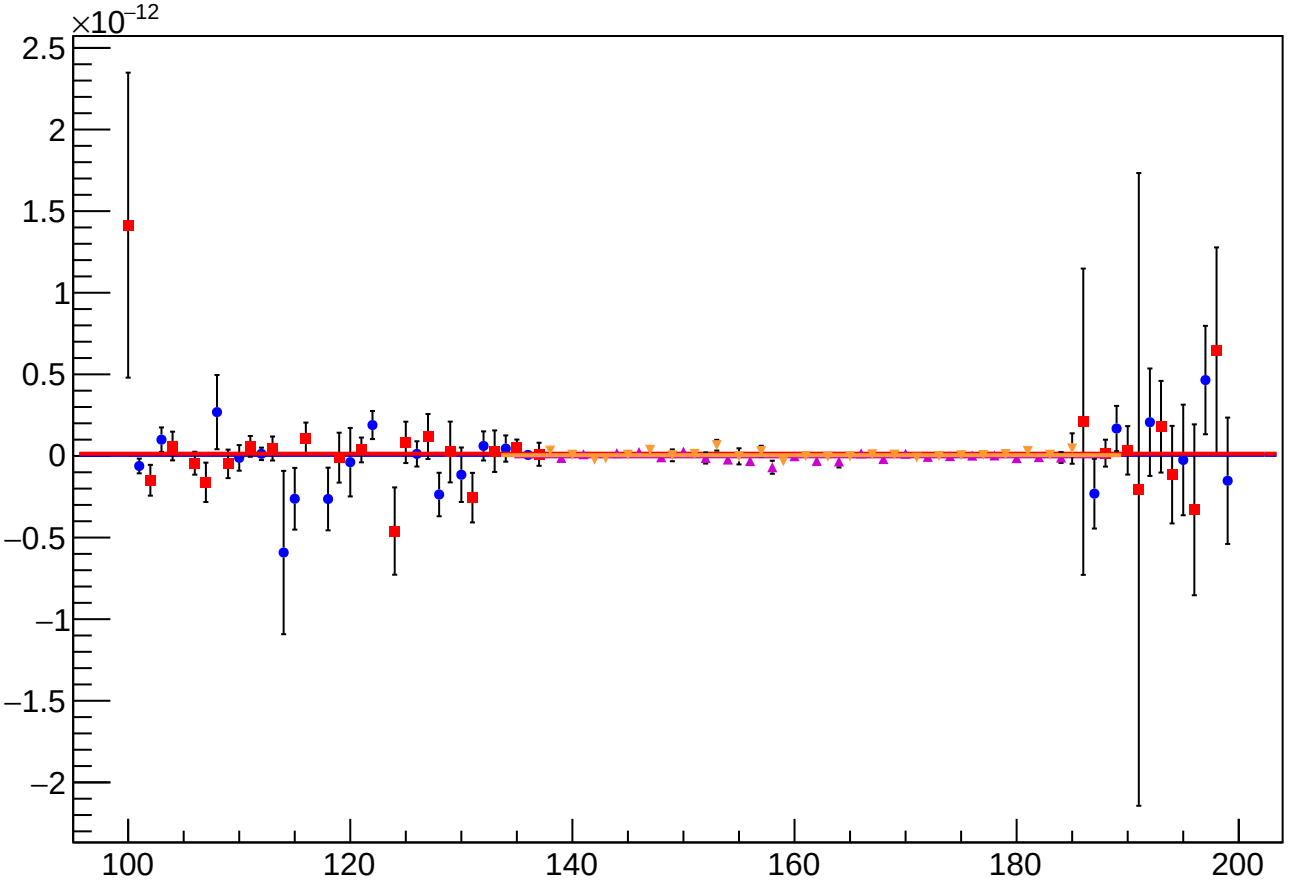
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 614.809+/-0.086 χ^2/NDF: 9807506.6/46

All: 617.357+/-0.061 χ^2/NDF: 20732515.0/96

- sign 619.980+/-0.087 χ^2/NDF: 10923214.6/49

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

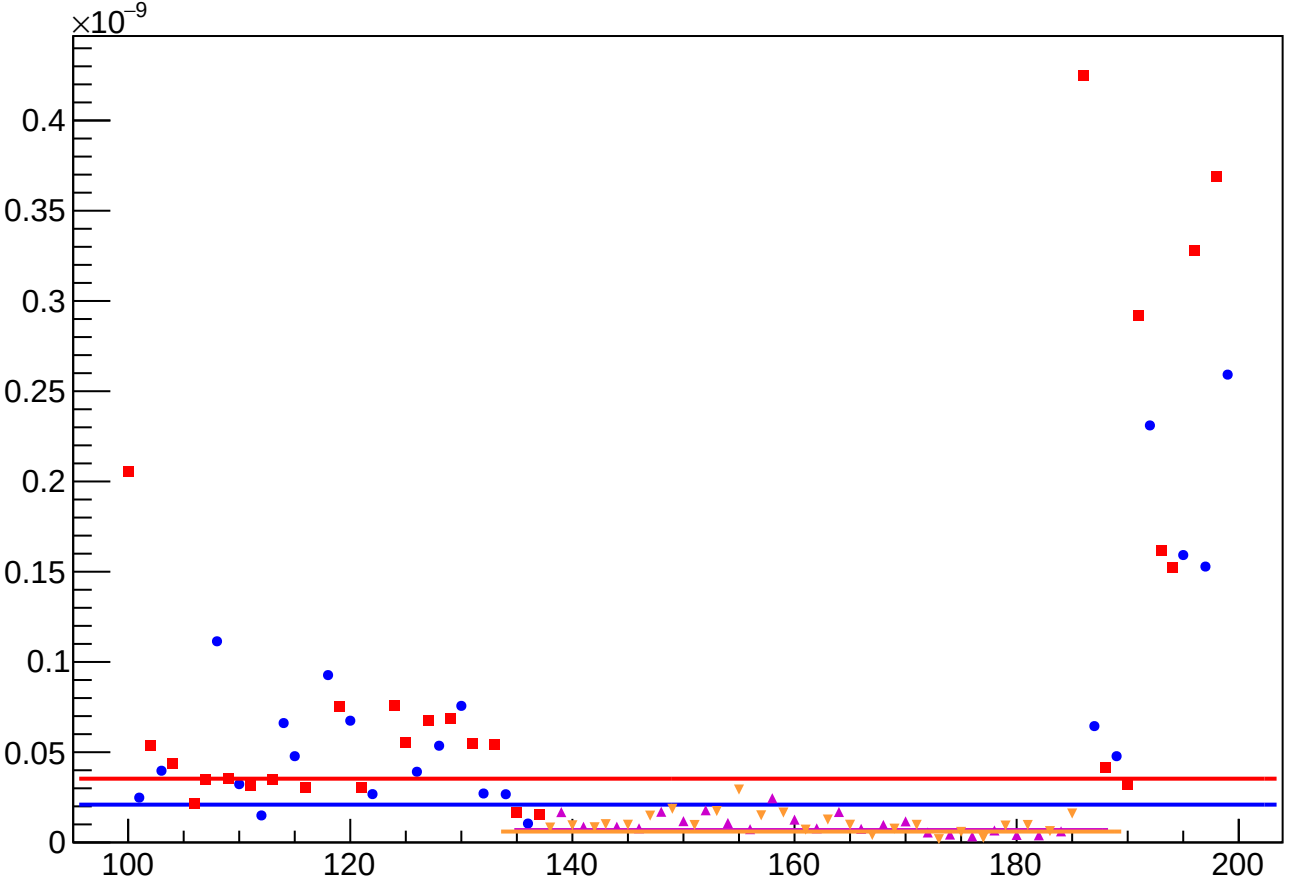
Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/26

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.4/46

All: 0.000+/-0.000 χ^2/NDF: 83.9/96

- sign -0.000+/-0.000 χ^2/NDF: 41.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 4385651.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3502443.0/26

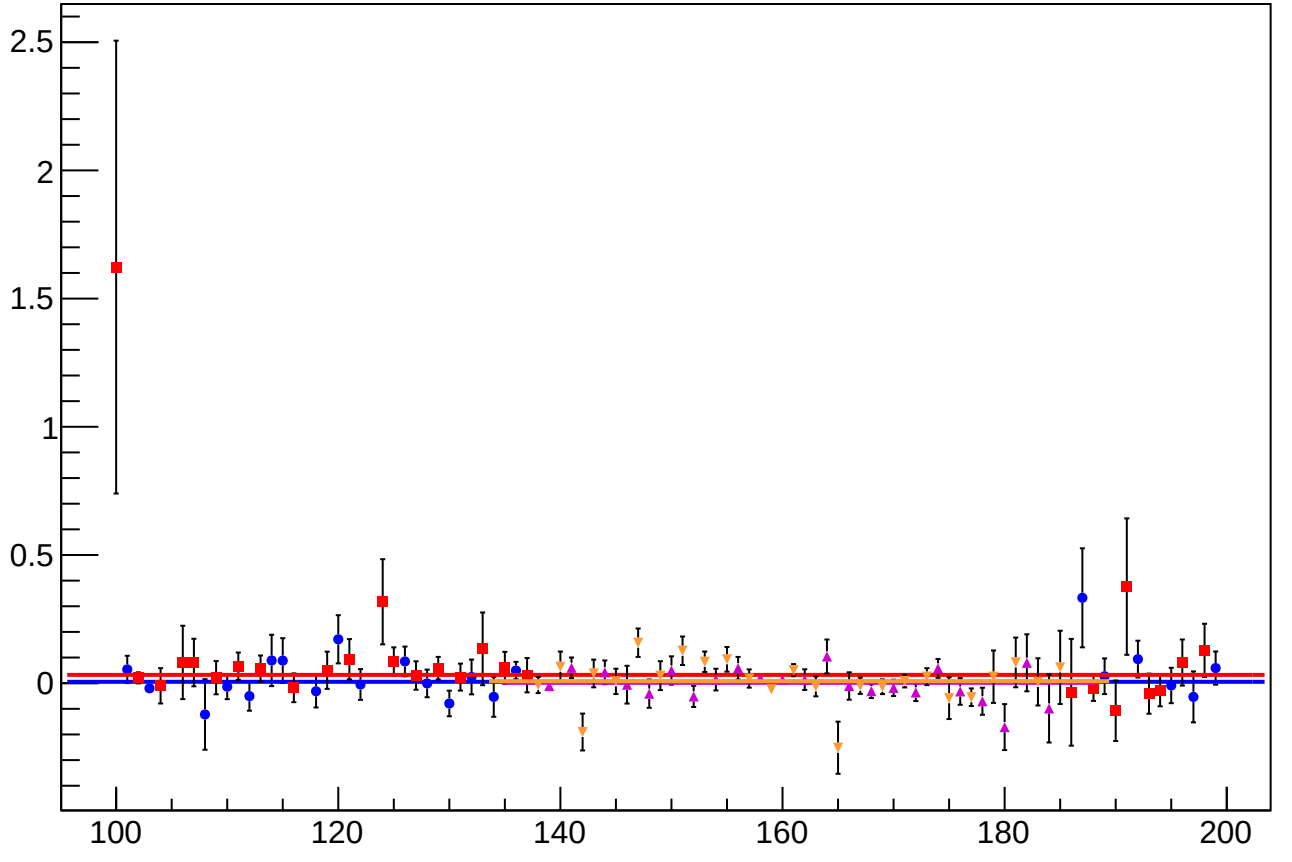
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10093279.2/46

All: 0.000+/-0.000 χ^2/NDF: 20122095.2/96

- sign 0.000+/-0.000 χ^2/NDF: 9935669.2/49

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.012 χ^2/NDF: 18.5/26

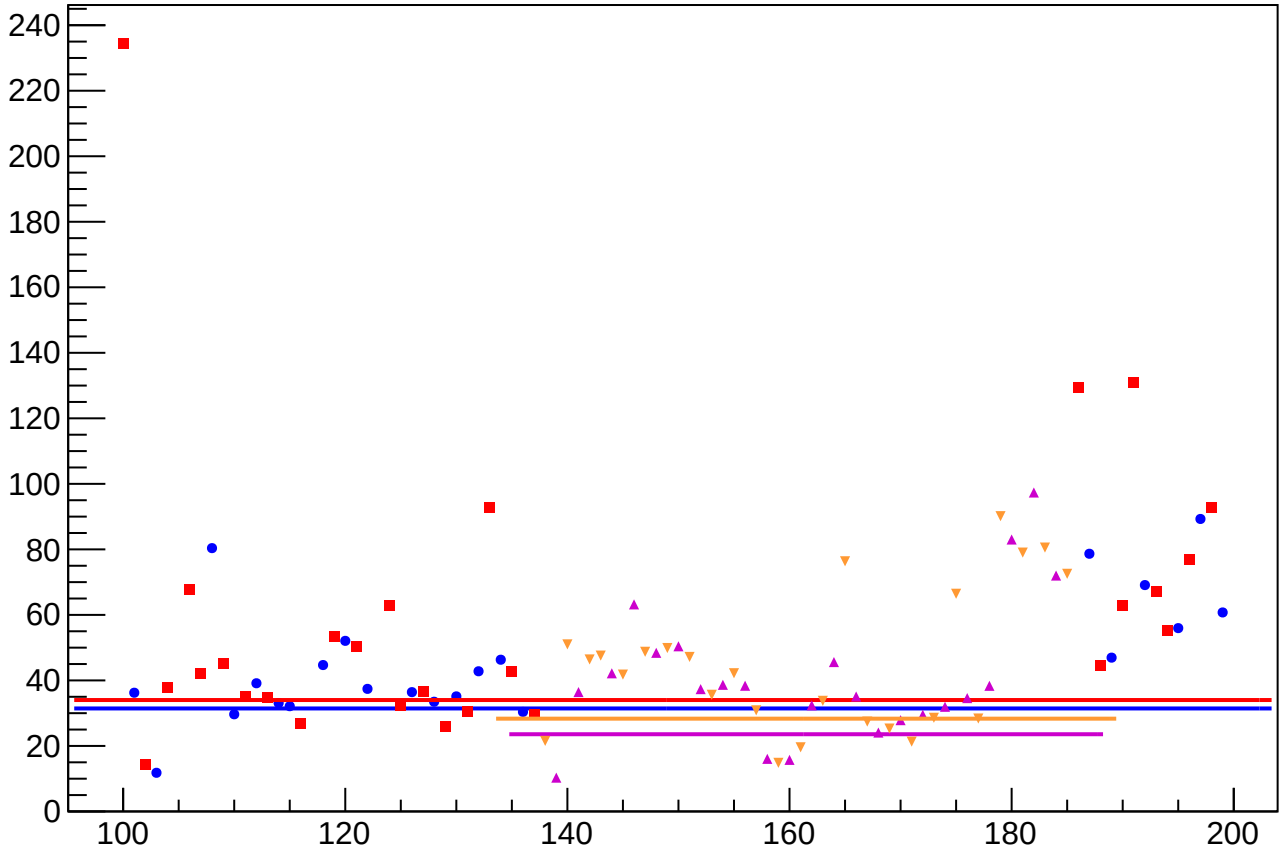
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.8/46

All: 0.008+/-0.004 χ^2/NDF: 118.9/96

- sign 0.009+/-0.006 χ^2/NDF: 49.0/49

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.439+/-0.008 χ^2/NDF: 4781720.2/21

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 34.012+/-0.008 χ^2/NDF: 5353620.6/26

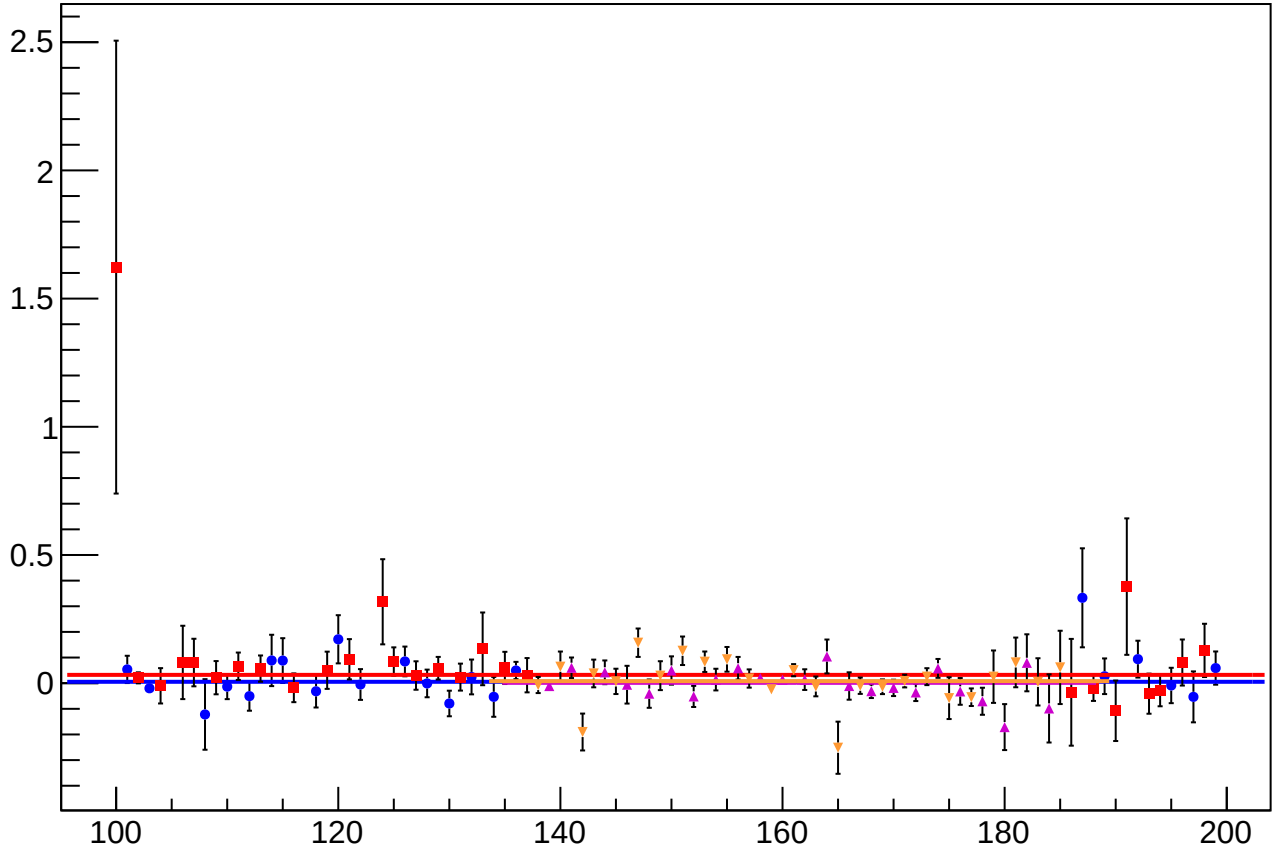
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

\+ sign 29.295+/-0.004 χ^2/NDF: 11675337.7/46

All: 27.664+/-0.003 χ^2/NDF: 26747385.2/96

\- 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: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.012 χ^2/NDF: 18.5/26

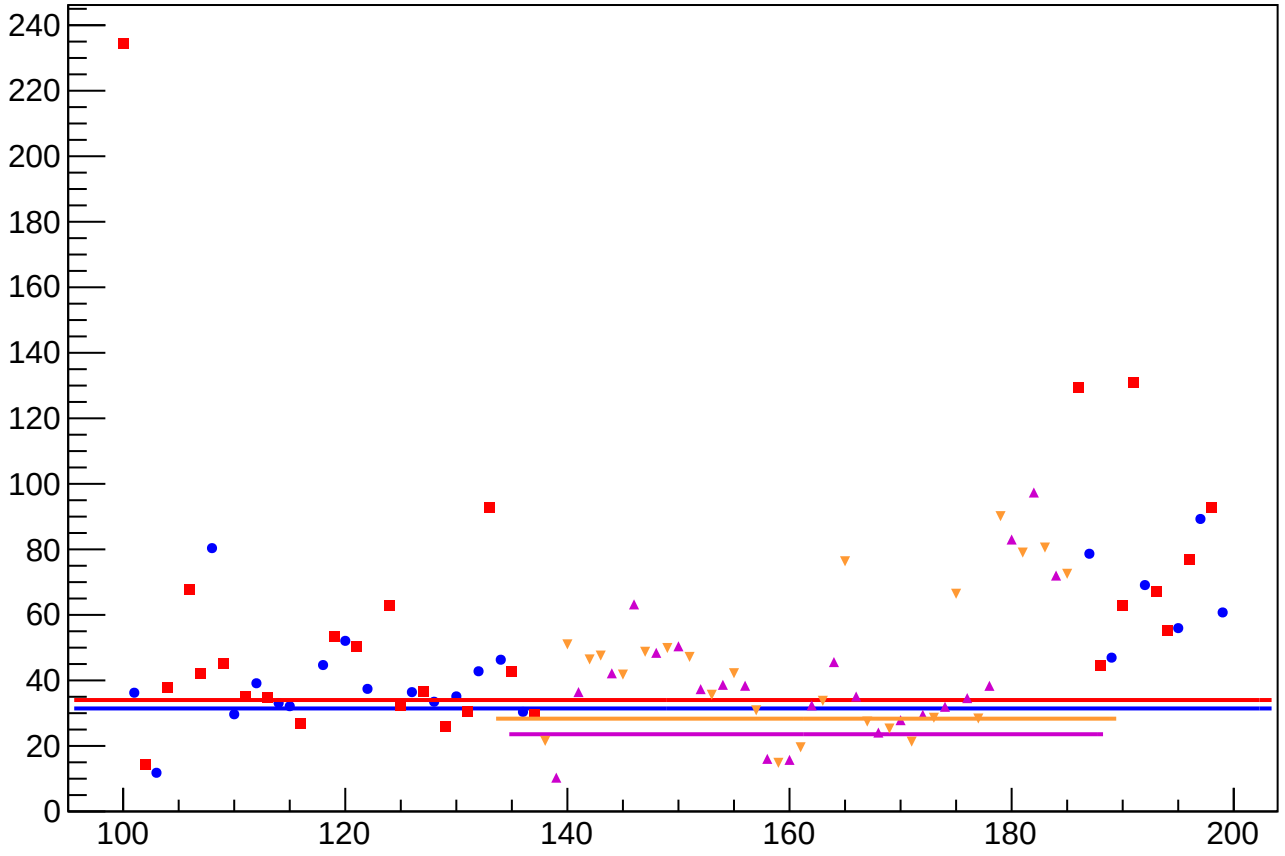
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.8/46

All: 0.008+/-0.004 χ^2/NDF: 118.9/96

- 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: 31.439+/-0.008 χ^2/NDF: 4781720.2/21

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

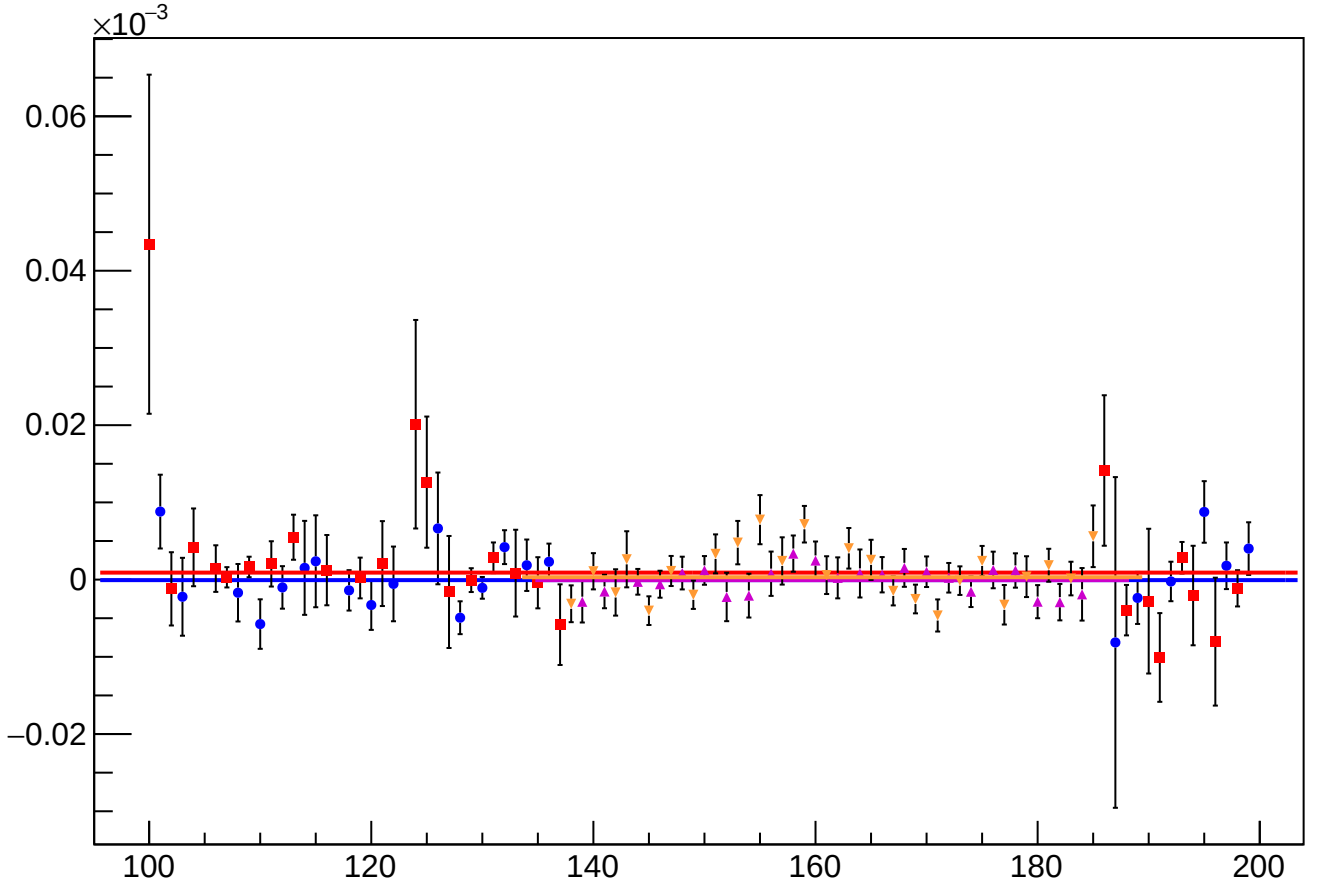
Right Out: 34.012+/-0.008 χ^2/NDF: 5353620.6/26

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

\+ sign 29.295+/-0.004 χ^2/NDF: 11675337.7/46

All: 27.664+/-0.003 χ^2/NDF: 26747385.2/96

\- sign 26.240+/-0.004 χ^2/NDF: 14819802.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 27.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

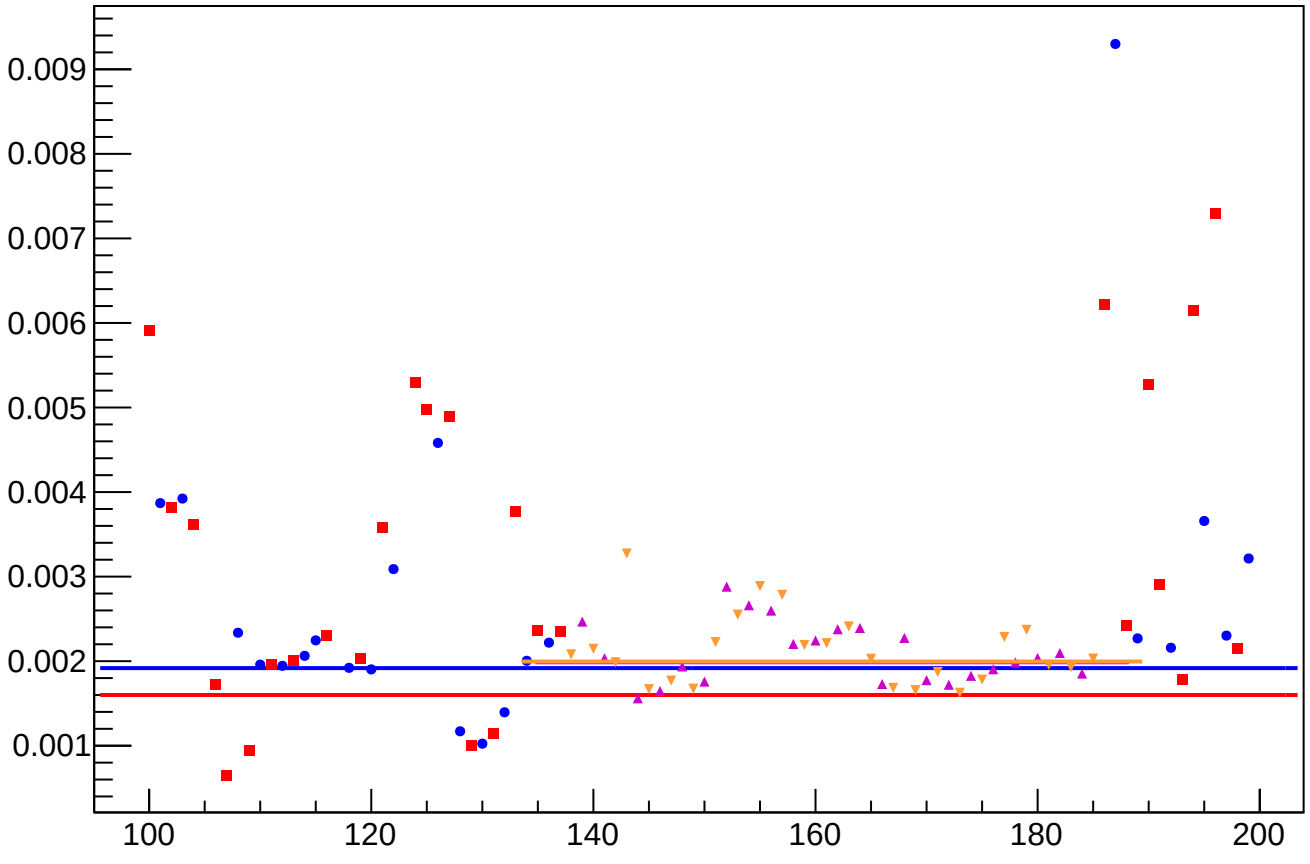
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/26

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.6/46

All: 0.000+/-0.000 χ^2/NDF: 113.3/96

- sign 0.000+/-0.000 χ^2/NDF: 39.7/49



Right In: 0.002+/-0.000 χ^2/NDF: 3250628.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

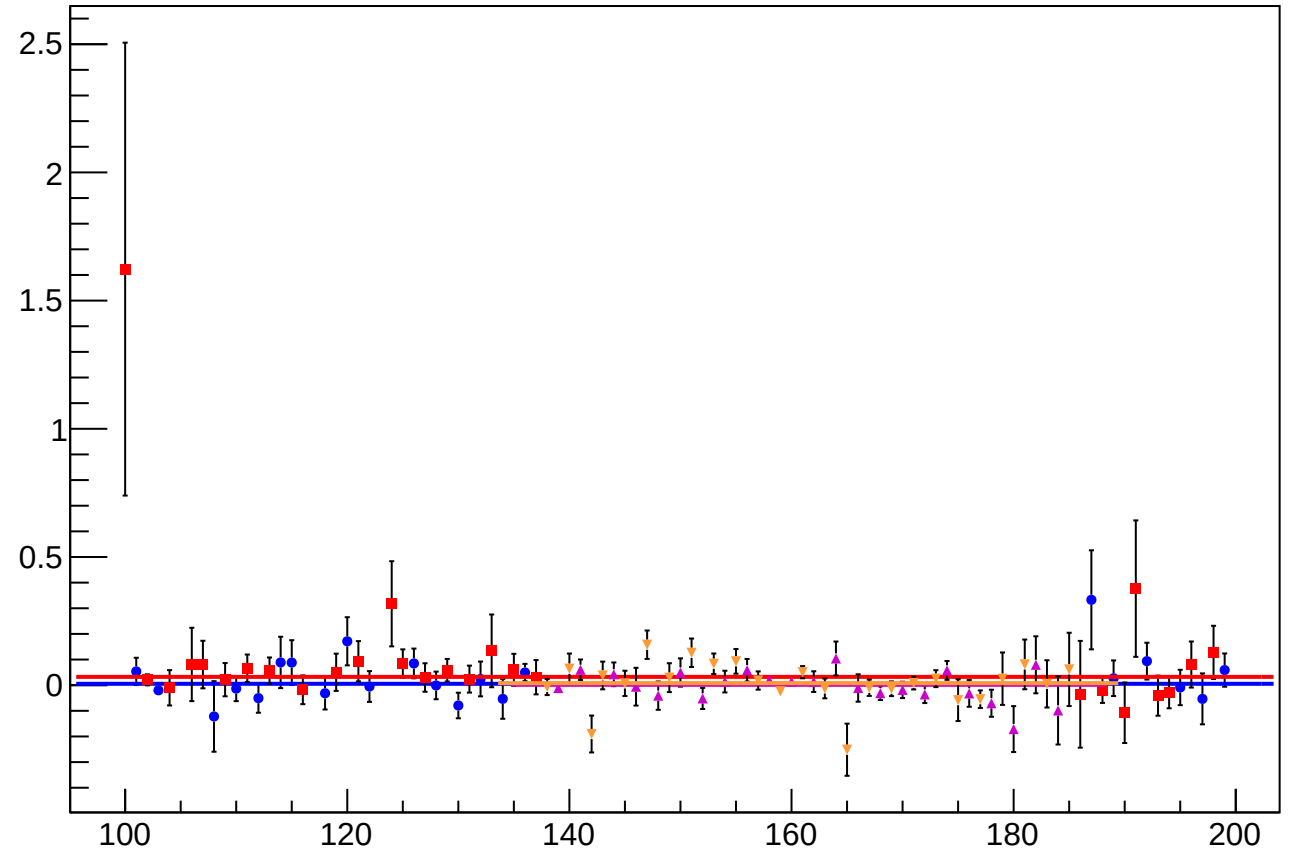
Right Out: 0.002+/-0.000 χ^2/NDF: 7603220.6/26

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 4443507.5/46

All: 0.002+/-0.000 χ^2/NDF: 13694827.8/96

- sign 0.002+/-0.000 χ^2/NDF: 9094276.0/49



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.012 χ^2/NDF: 18.5/26

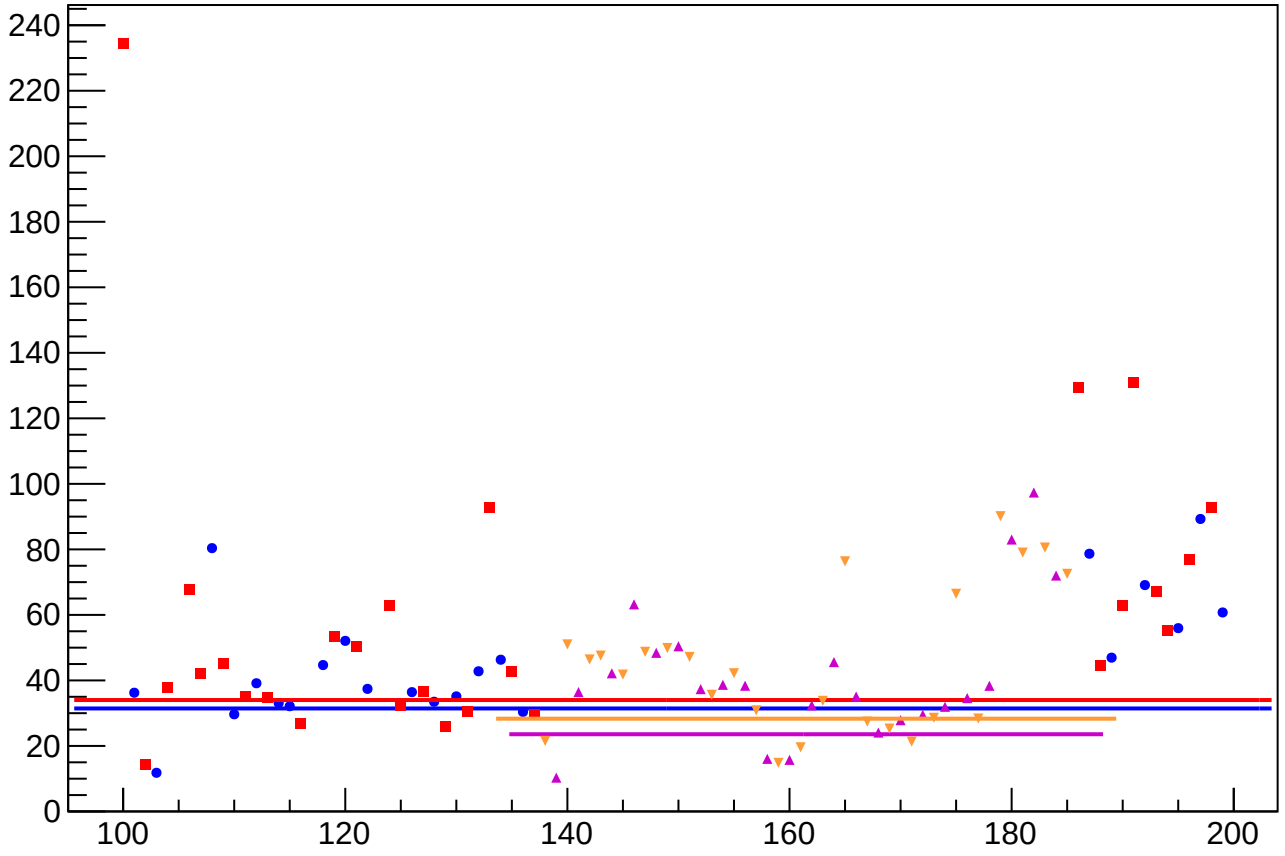
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.8/46

All: 0.008+/-0.004 χ^2/NDF: 118.9/96

- 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: 31.439+/-0.008 χ^2/NDF: 4782037.6/21

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

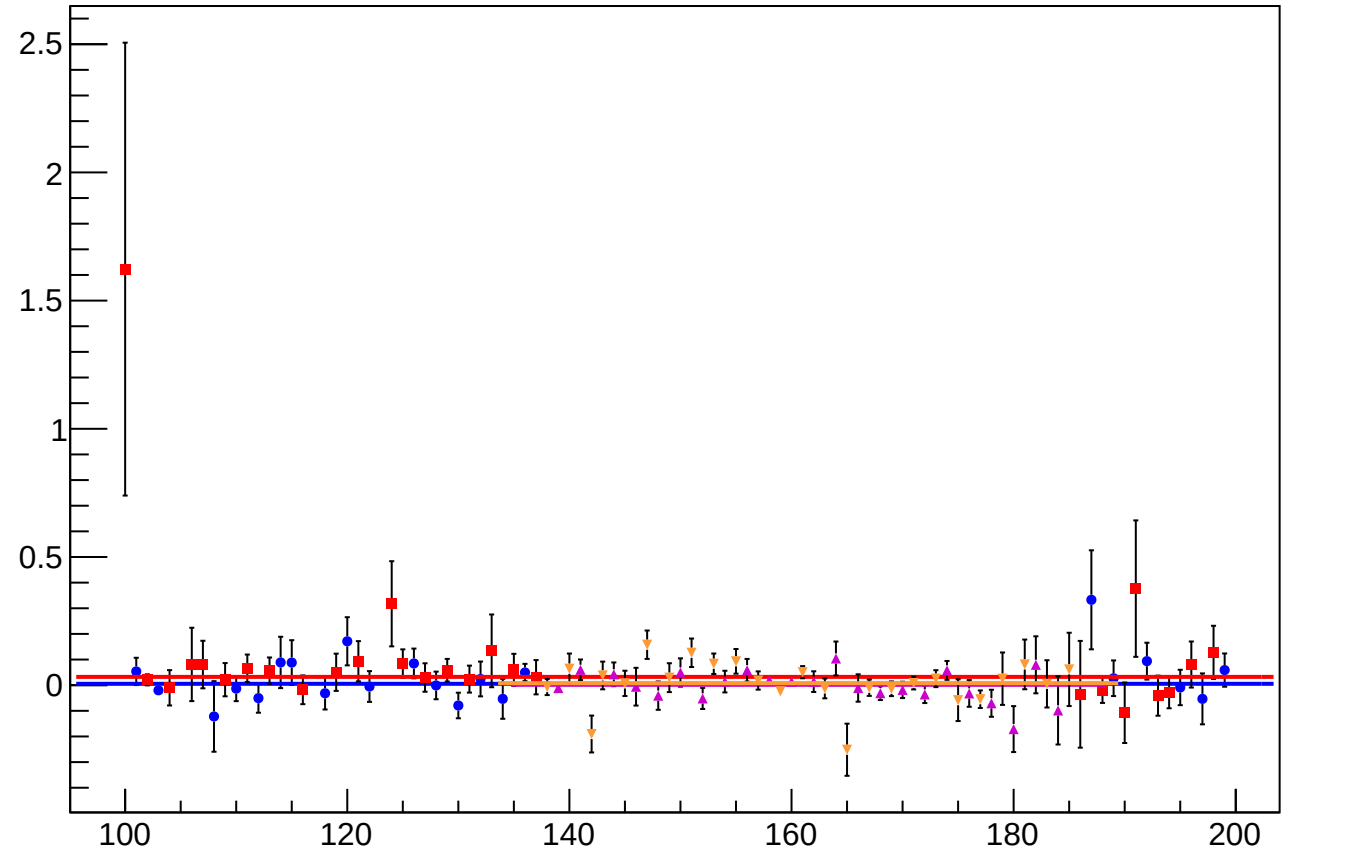
Right Out: 34.015+/-0.008 χ^2/NDF: 5352625.4/26

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

\+ sign 29.295+/-0.004 χ^2/NDF: 11676086.5/46

All: 27.663+/-0.003 χ^2/NDF: 26749024.4/96

\- sign 26.239+/-0.004 χ^2/NDF: 14820696.6/49



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

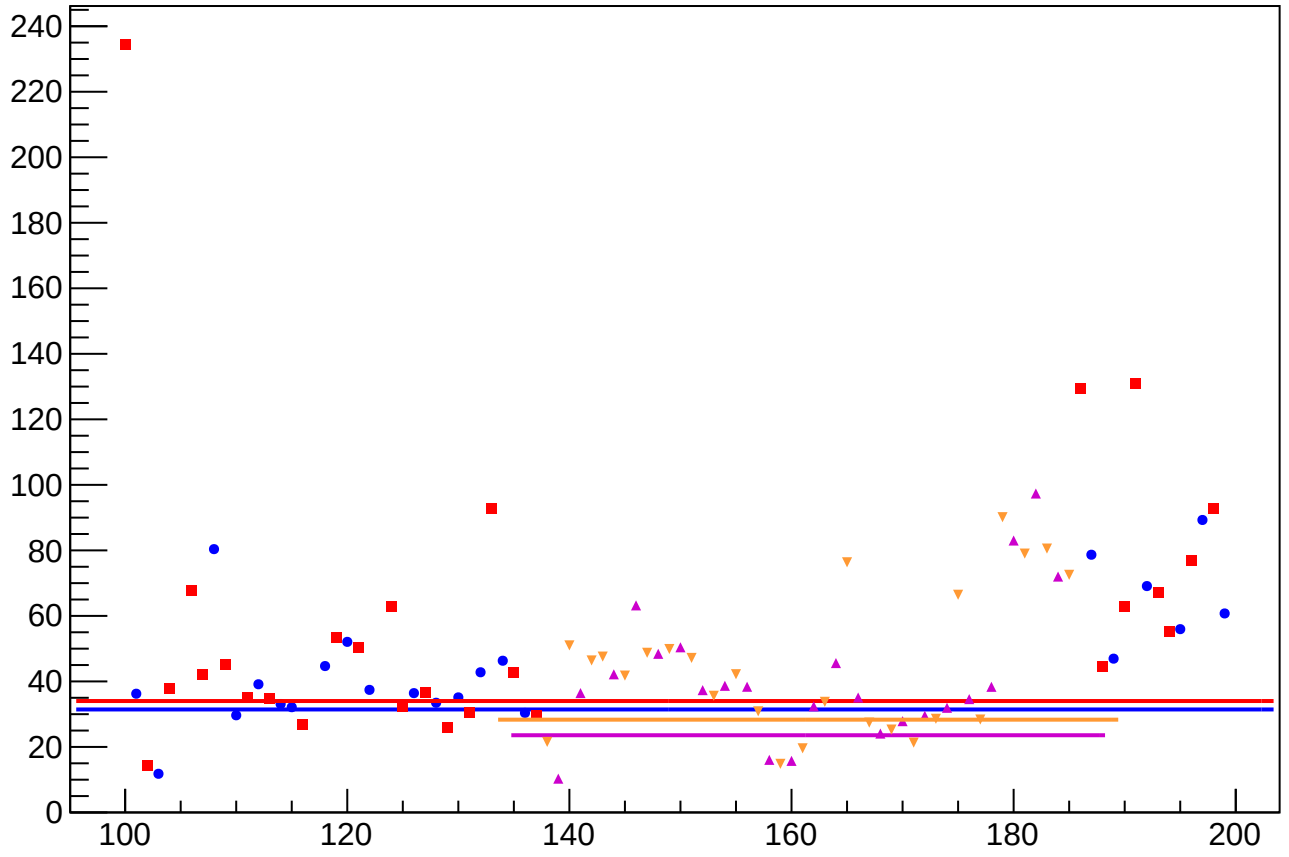
Right Out: 0.032+/-0.012 χ^2/NDF: 18.5/26

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.8/46

All: 0.008+/-0.004 χ^2/NDF: 118.9/96

- sign 0.009+/-0.006 χ^2/NDF: 49.0/49



Right In: 31.439+/-0.008 χ^2/NDF: 4782037.6/21

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

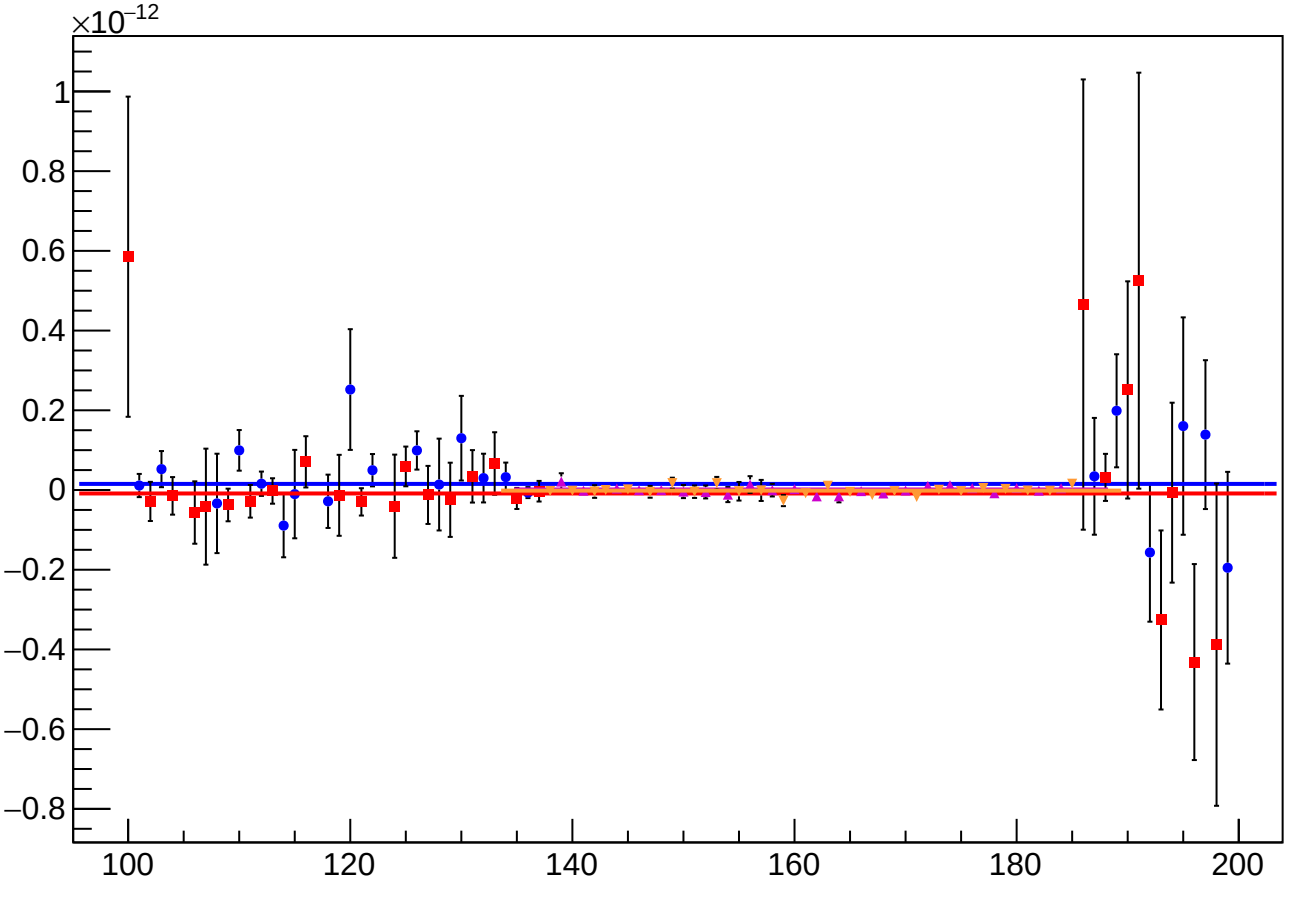
Right Out: 34.015+/-0.008 χ^2/NDF: 5352625.4/26

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

\+ sign 29.295+/-0.004 χ^2/NDF: 11676086.5/46

All: 27.663+/-0.003 χ^2/NDF: 26749024.4/96

\- sign 26.239+/-0.004 χ^2/NDF: 14820696.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

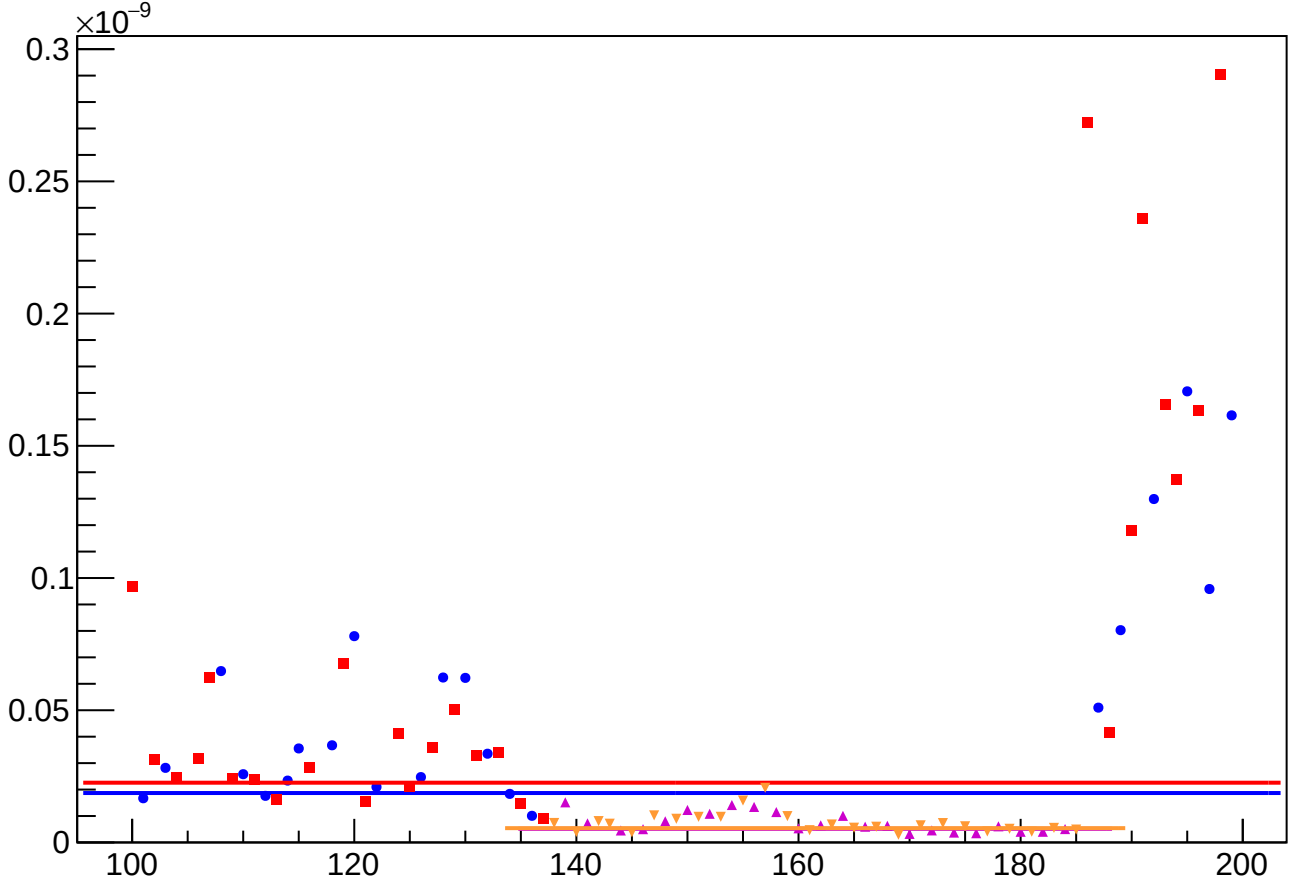
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/26

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/46

All: 0.000+/-0.000 χ^2/NDF: 76.2/96

- sign 0.000+/-0.000 χ^2/NDF: 34.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 5442186.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6039676.2/26

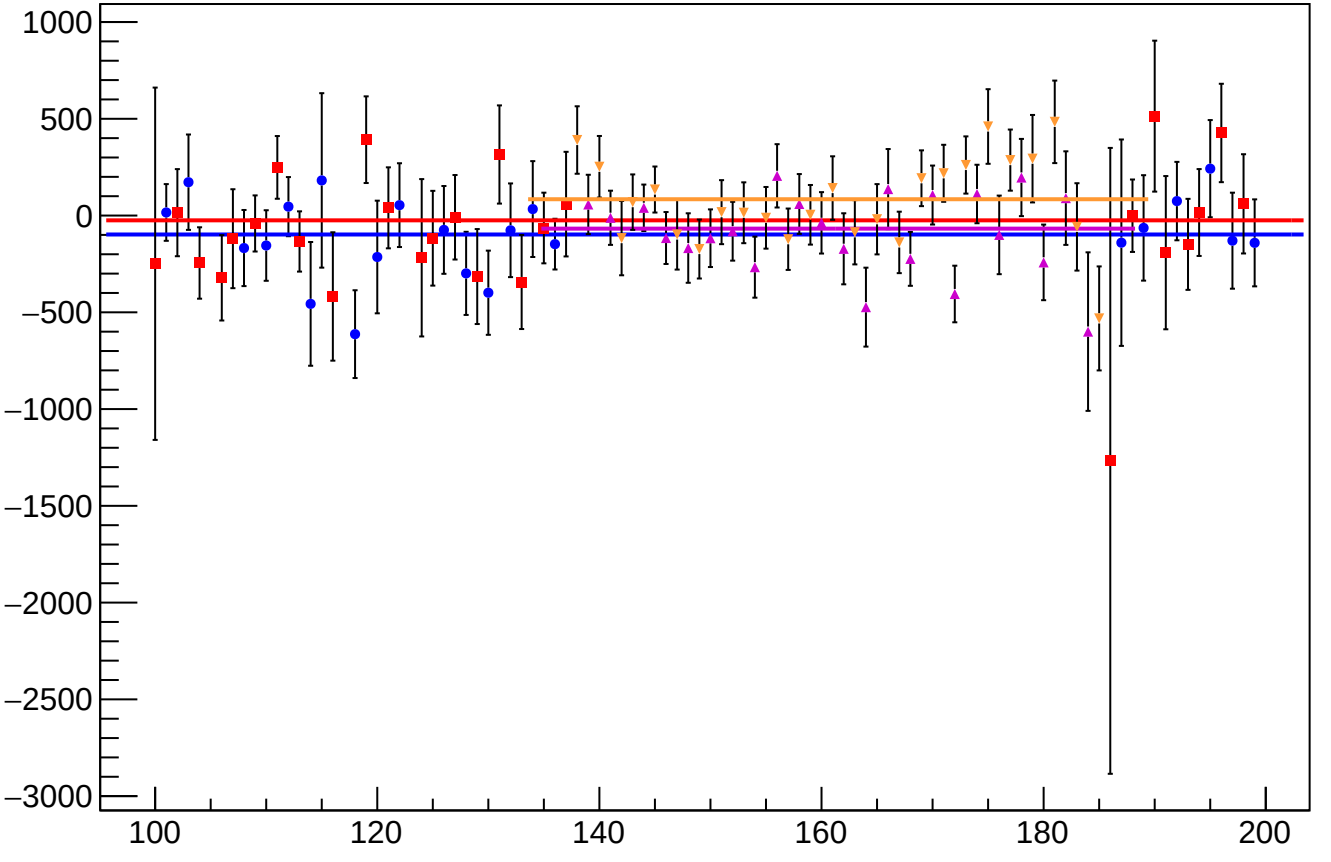
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12388713.4/46

All: 0.000+/-0.000 χ^2/NDF: 27108876.5/96

- sign 0.000+/-0.000 χ^2/NDF: 14700382.3/49

reg_asym_sam_48_avg_mean vs Slug



Right In: -97.878+/-45.826 χ^2/NDF: 16.2/21

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -24.735+/-44.196 χ^2/NDF: 23.5/26

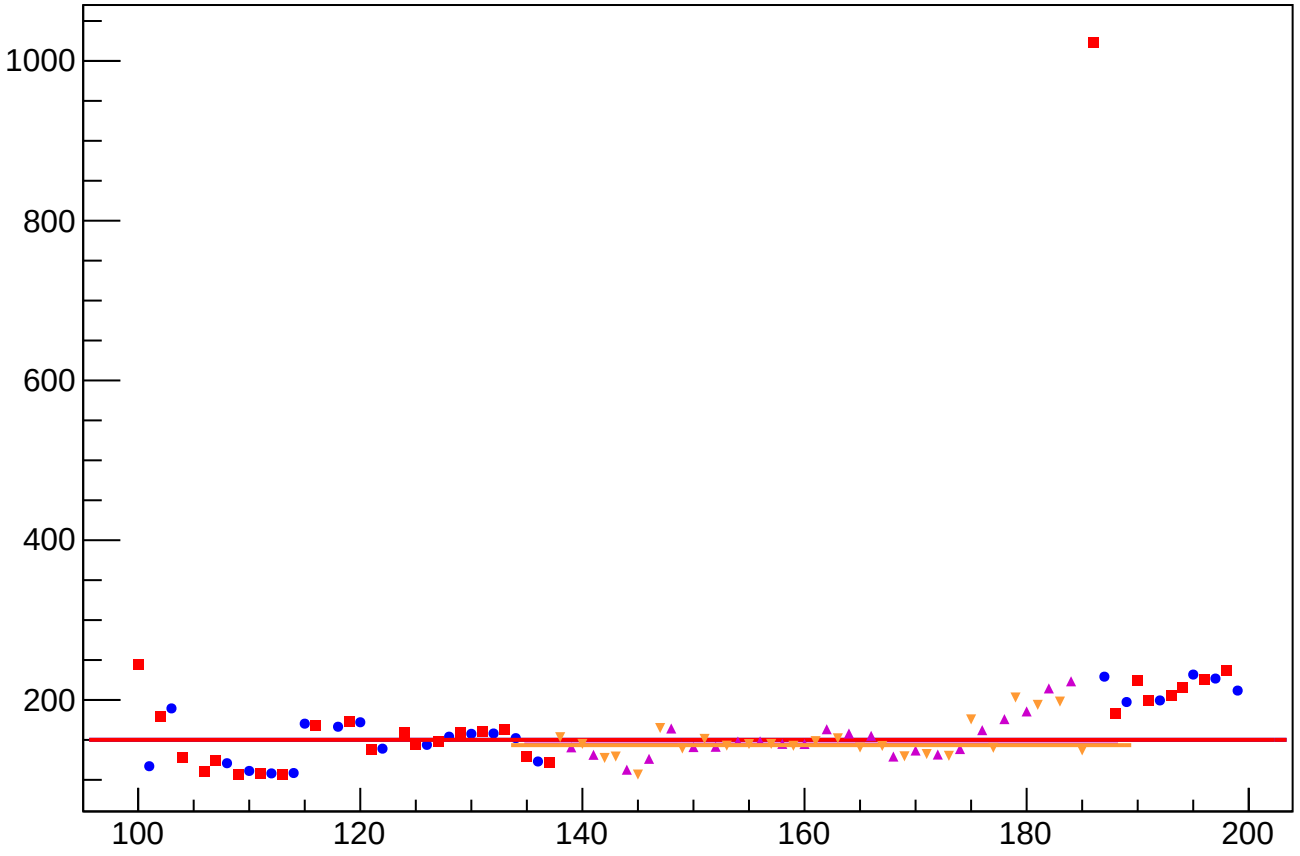
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 22.018+/-26.798 χ^2/NDF: 60.5/46

All: -14.498+/-19.026 χ^2/NDF: 114.8/96

- sign -51.612+/-27.016 χ^2/NDF: 50.6/49

reg_asym_sam_48_avg_rms vs Slug



Right In: 150.121+/-0.032 χ^2/NDF: 1372927.0/21

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 150.090+/-0.031 χ^2/NDF: 2161154.4/26

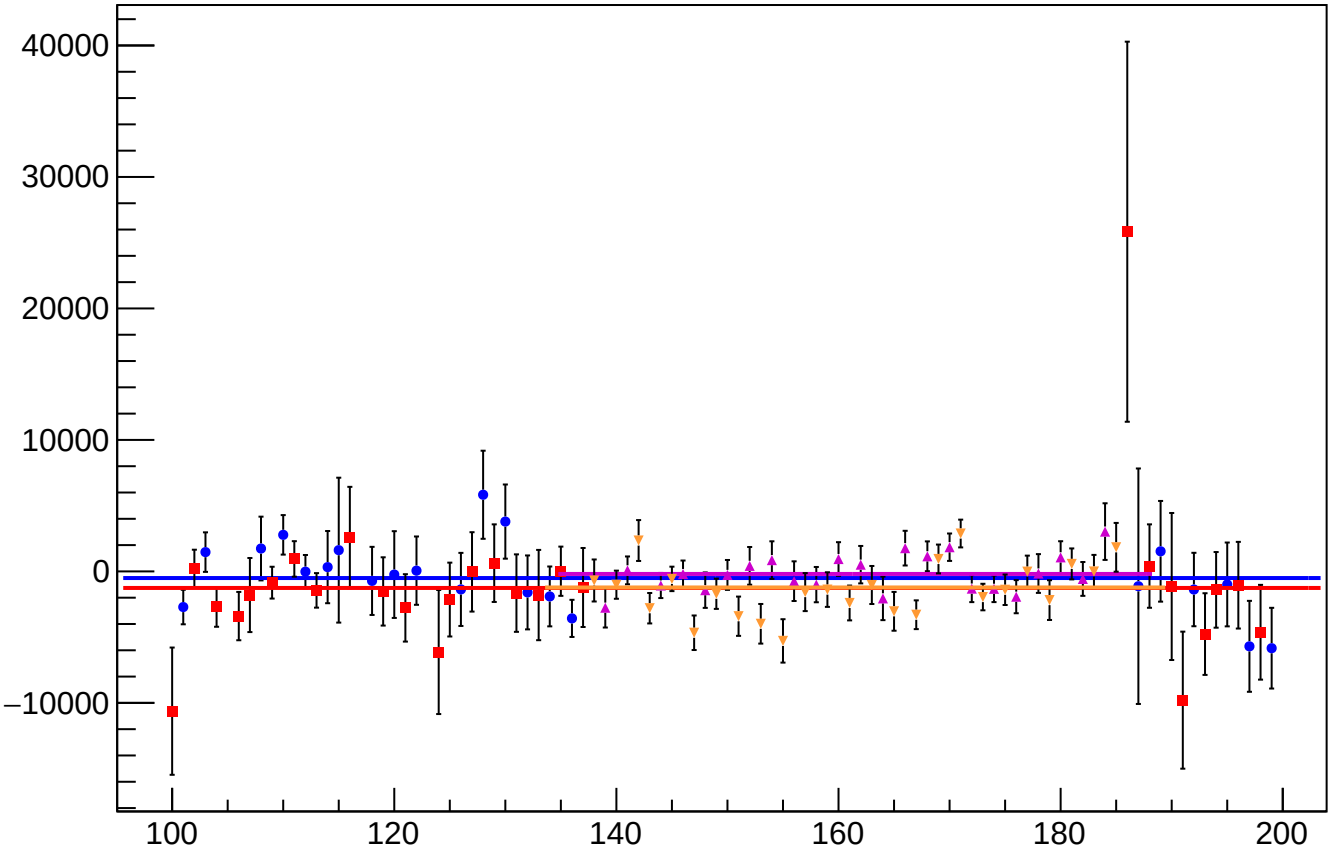
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

\+ sign 145.727+/-0.019 χ^2/NDF: 2147909.3/46

All: 146.052+/-0.013 χ^2/NDF: 5034838.8/96

\- sign 146.382+/-0.019 χ^2/NDF: 2886336.4/49

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -505.141+/-472.745 χ^2/NDF: 27.6/21

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1259.170+/-441.751 χ^2/NDF: 22.1/26

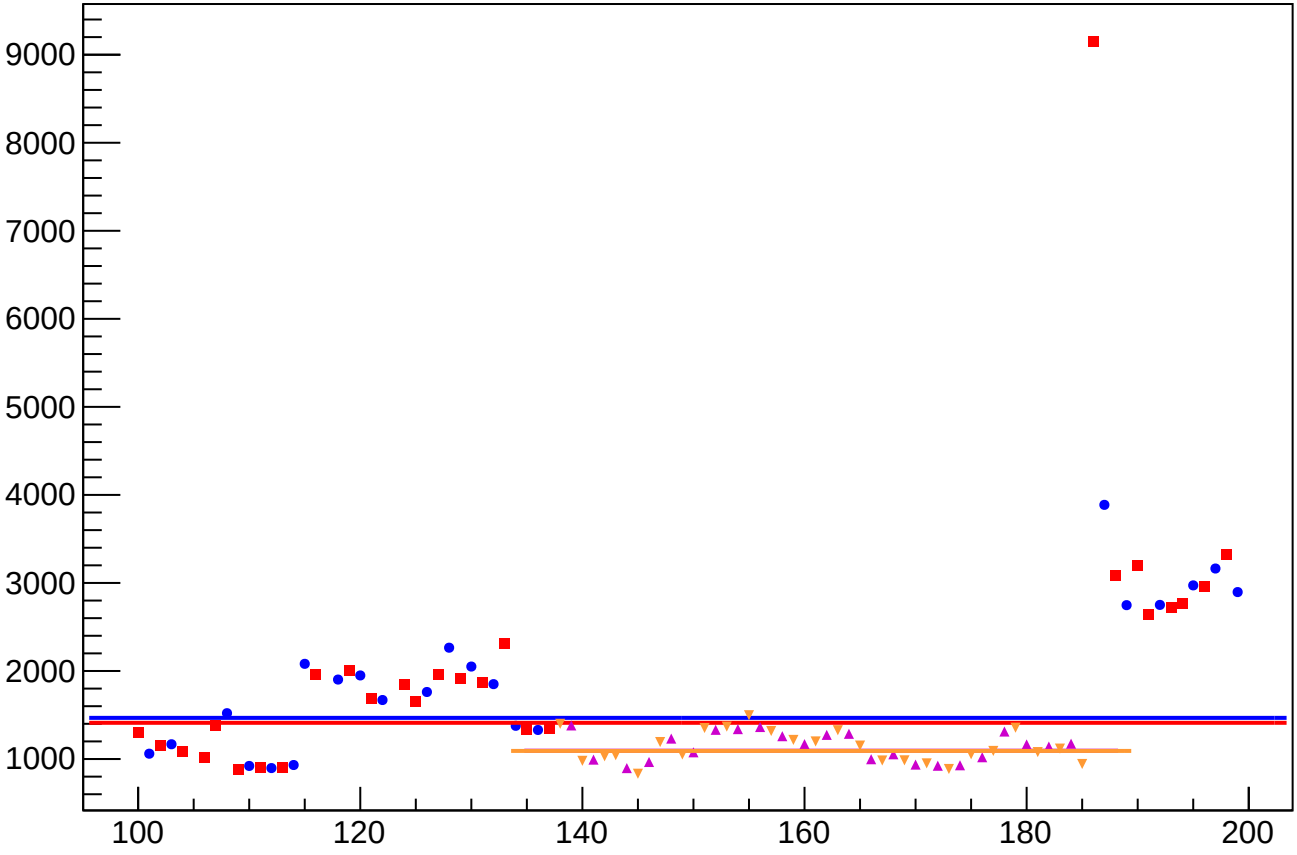
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1065.980+/-222.218 χ^2/NDF: 88.6/46

All: -767.662+/-157.541 χ^2/NDF: 142.0/96

- sign -466.218+/-223.379 χ^2/NDF: 49.7/49

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1467.573+/-0.334 χ^2/NDF: 3585435.3/21

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1411.353+/-0.312 χ^2/NDF: 4979224.9/26

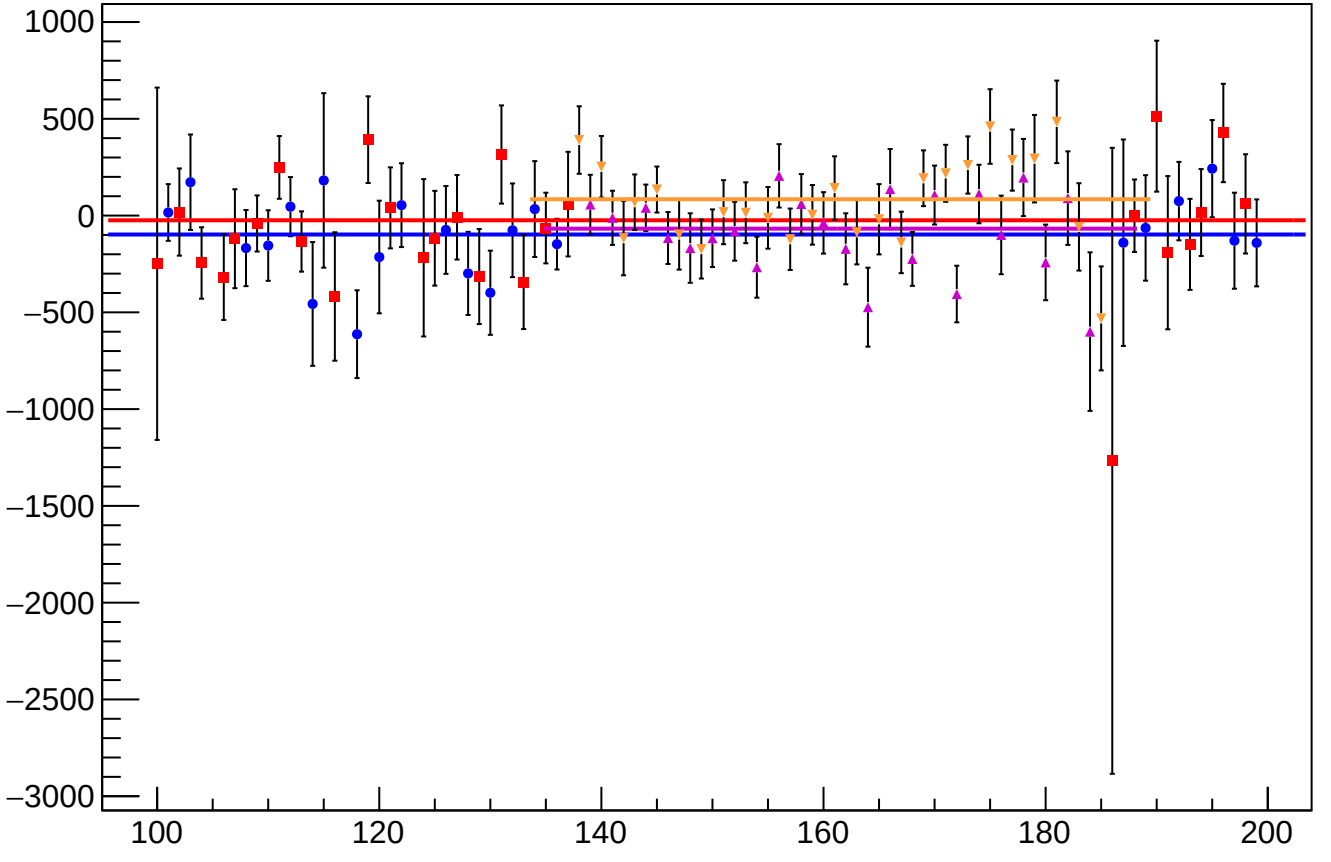
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1174.969+/-0.157 χ^2/NDF: 5461377.5/46

All: 1175.235+/-0.111 χ^2/NDF: 11939528.8/9

- sign 1175.503+/-0.158 χ^2/NDF: 6478145.5/49

cor_asym_sam_48_avg_mean vs Slug



Right In: -97.885+/-45.826 χ^2/NDF: 16.2/21

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -24.387+/-44.203 χ^2/NDF: 23.4/26

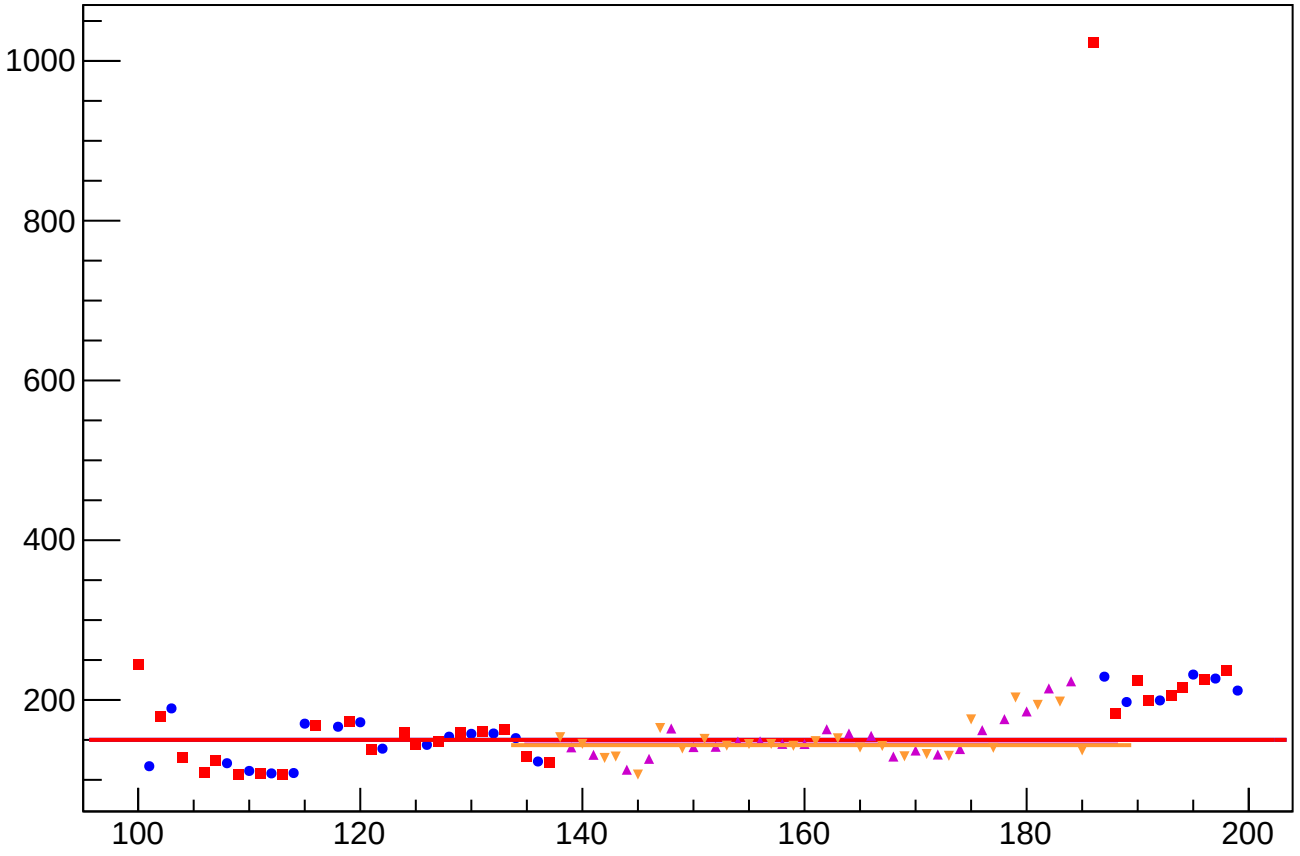
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 22.024+/-26.798 χ^2/NDF: 60.5/46

All: -14.431+/-19.026 χ^2/NDF: 114.7/96

- sign -51.486+/-27.018 χ^2/NDF: 50.6/49

cor_asym_sam_48_avg_rms vs Slug



Right In: 150.121+/-0.032 χ^2/NDF: 1372929.4/21

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 150.038+/-0.031 χ^2/NDF: 2166187.1/26

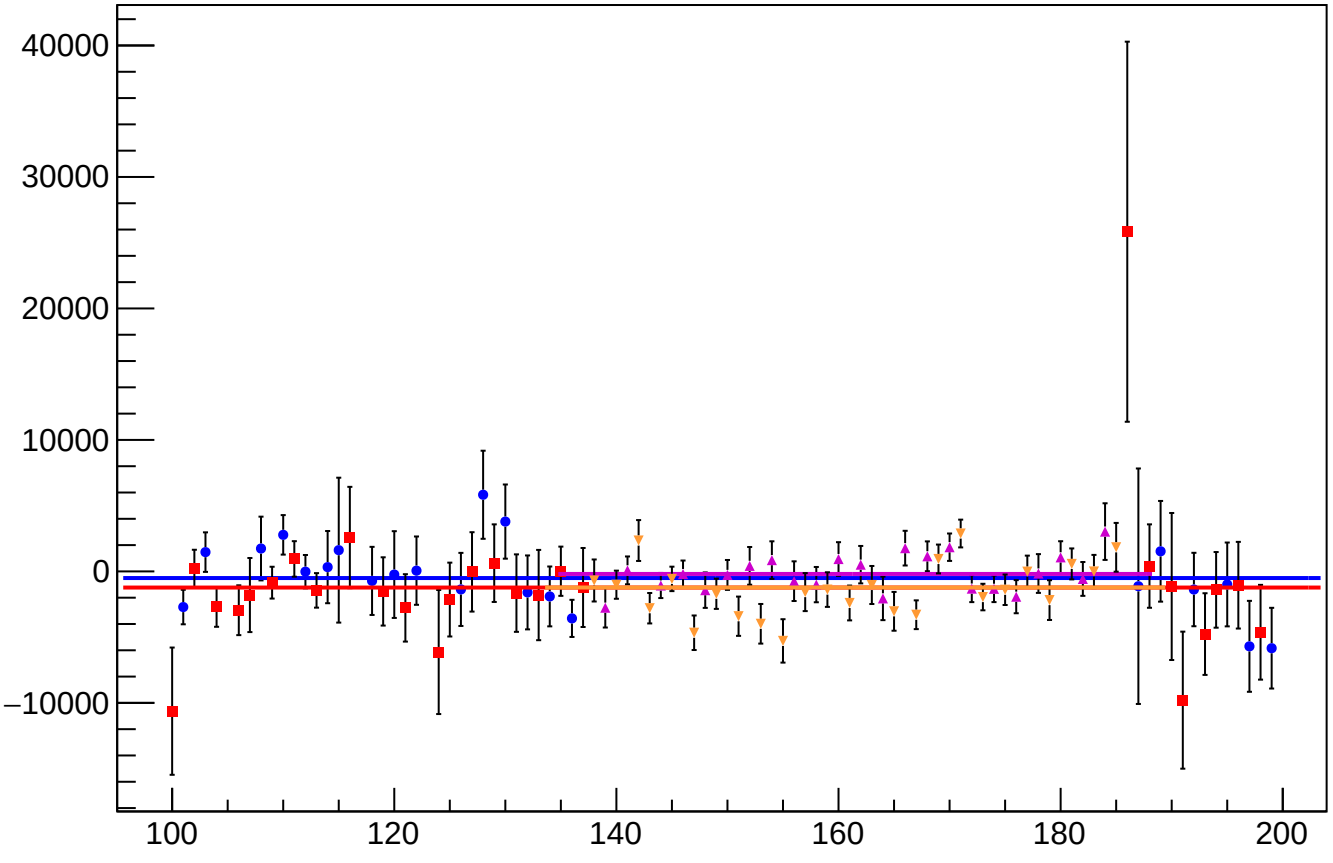
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 145.727+/-0.019 χ^2/NDF: 2147912.0/46

All: 146.042+/-0.013 χ^2/NDF: 5039443.1/96

- sign 146.362+/-0.019 χ^2/NDF: 2890973.3/49

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -505.206+/-472.749 χ^2/NDF: 27.6/21

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1228.253+/-442.526 χ^2/NDF: 21.6/26

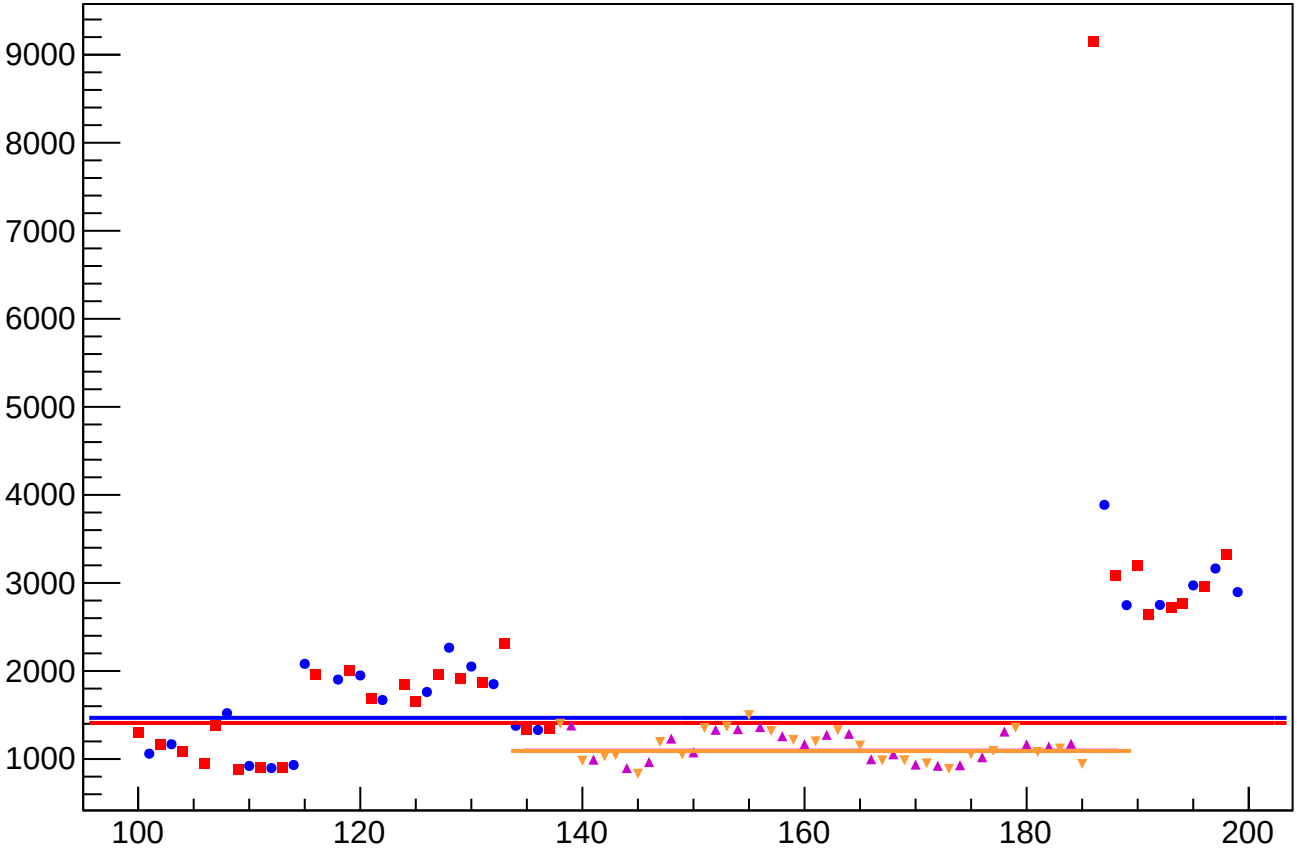
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1065.984+/-222.219 χ^2/NDF: 88.6/46

All: -763.525+/-157.576 χ^2/NDF: 141.3/96

- sign -457.626+/-223.479 χ^2/NDF: 48.9/49

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1467.588+/-0.334 χ^2/NDF: 3585365.6/21

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1409.408+/-0.313 χ^2/NDF: 5002779.6/26

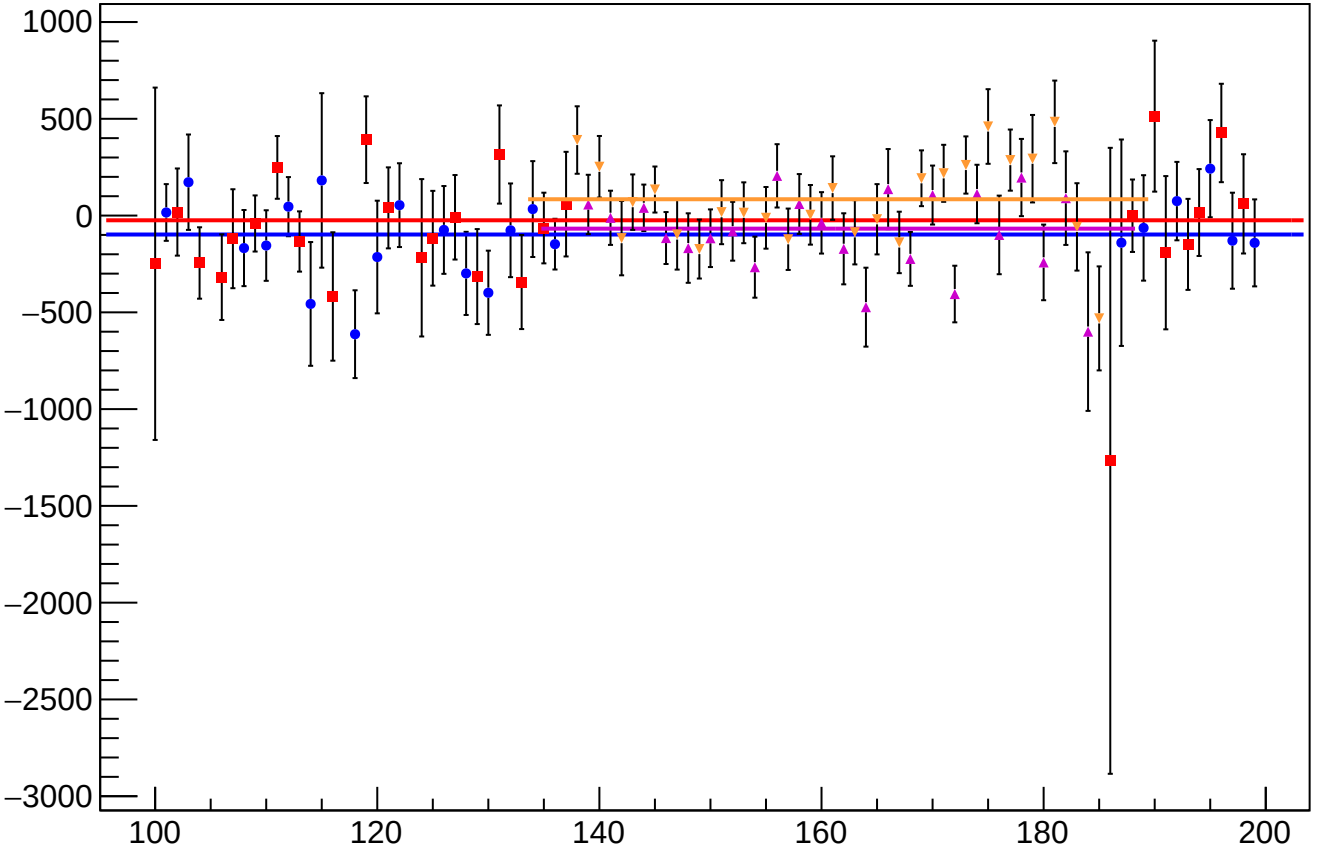
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1174.971+/-0.157 χ^2/NDF: 5461374.3/46

All: 1174.884+/-0.111 χ^2/NDF: 11951731.0/9

- sign 1174.796+/-0.158 χ^2/NDF: 6490356.1/49

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -97.885+/-45.826 χ^2/NDF: 16.2/21

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -24.387+/-44.203 χ^2/NDF: 23.4/26

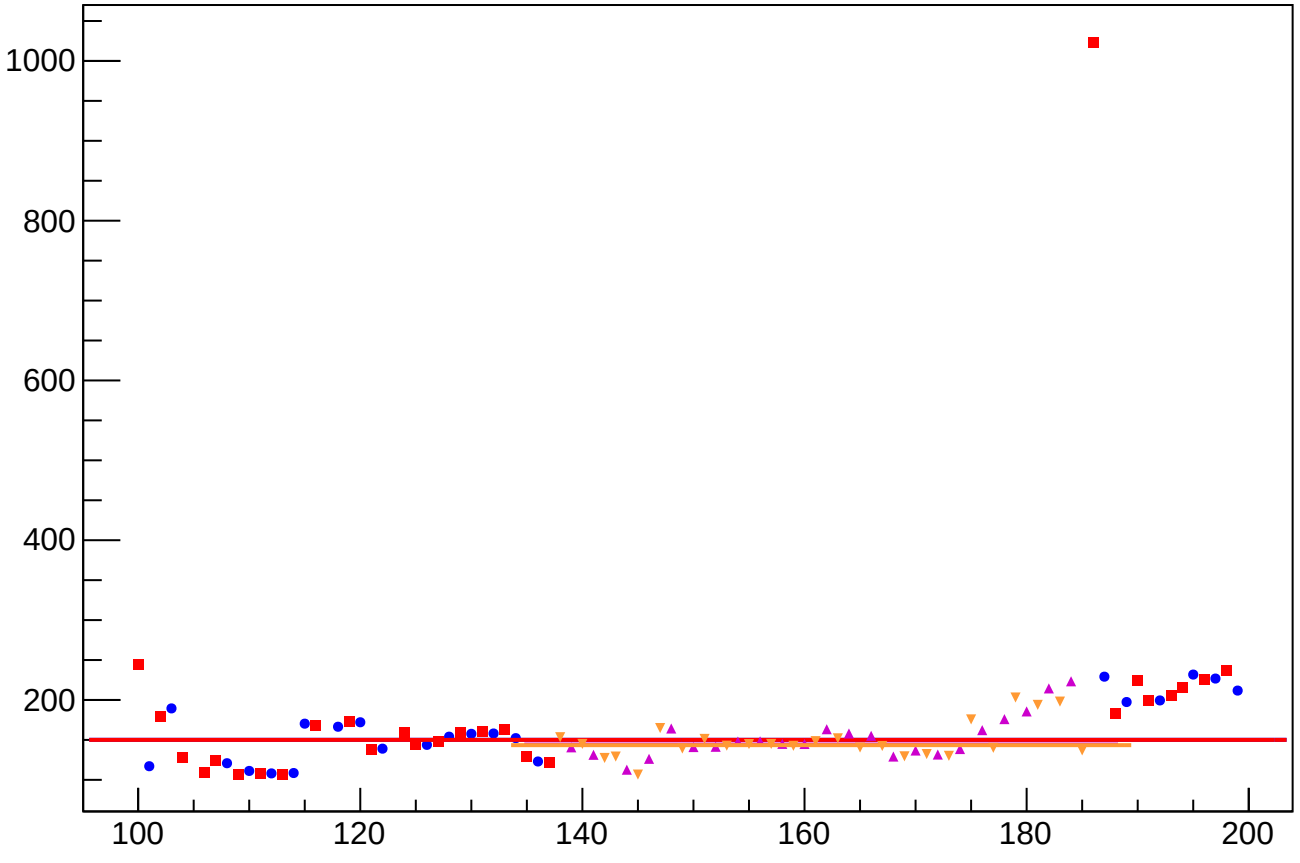
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 22.024+/-26.798 χ^2/NDF: 60.5/46

All: -14.431+/-19.026 χ^2/NDF: 114.7/96

- sign -51.486+/-27.018 χ^2/NDF: 50.6/49

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 150.121+/-0.032 χ^2/NDF: 1372929.4/21

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

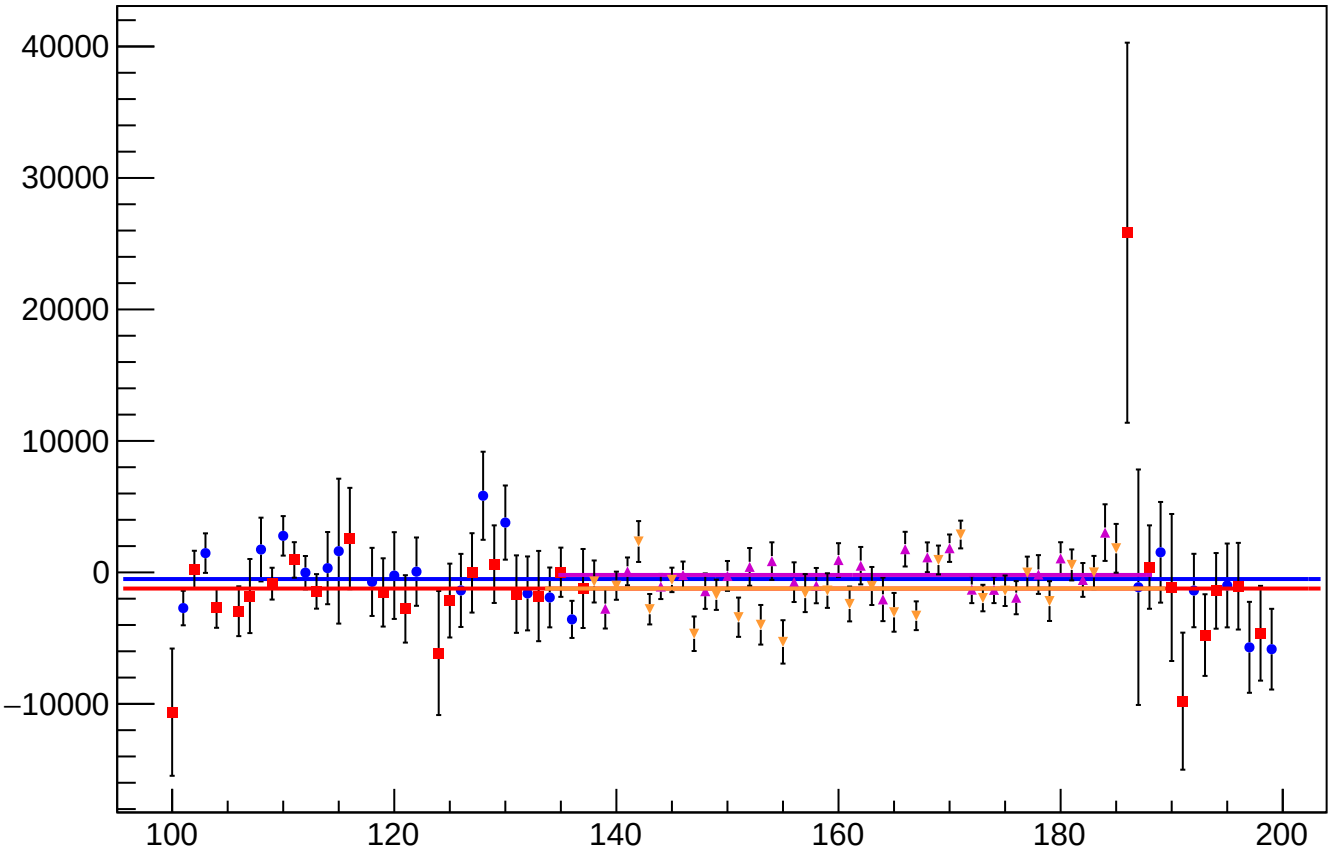
Right Out: 150.038+/-0.031 χ^2/NDF: 2166187.1/26

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 145.727+/-0.019 χ^2/NDF: 2147912.0/46

All: 146.042+/-0.013 χ^2/NDF: 5039443.1/96

- sign 146.362+/-0.019 χ^2/NDF: 2890973.3/49



Right In: -505.206+/-472.749 χ^2/NDF: 27.6/21

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1228.253+/-442.526 χ^2/NDF: 21.6/26

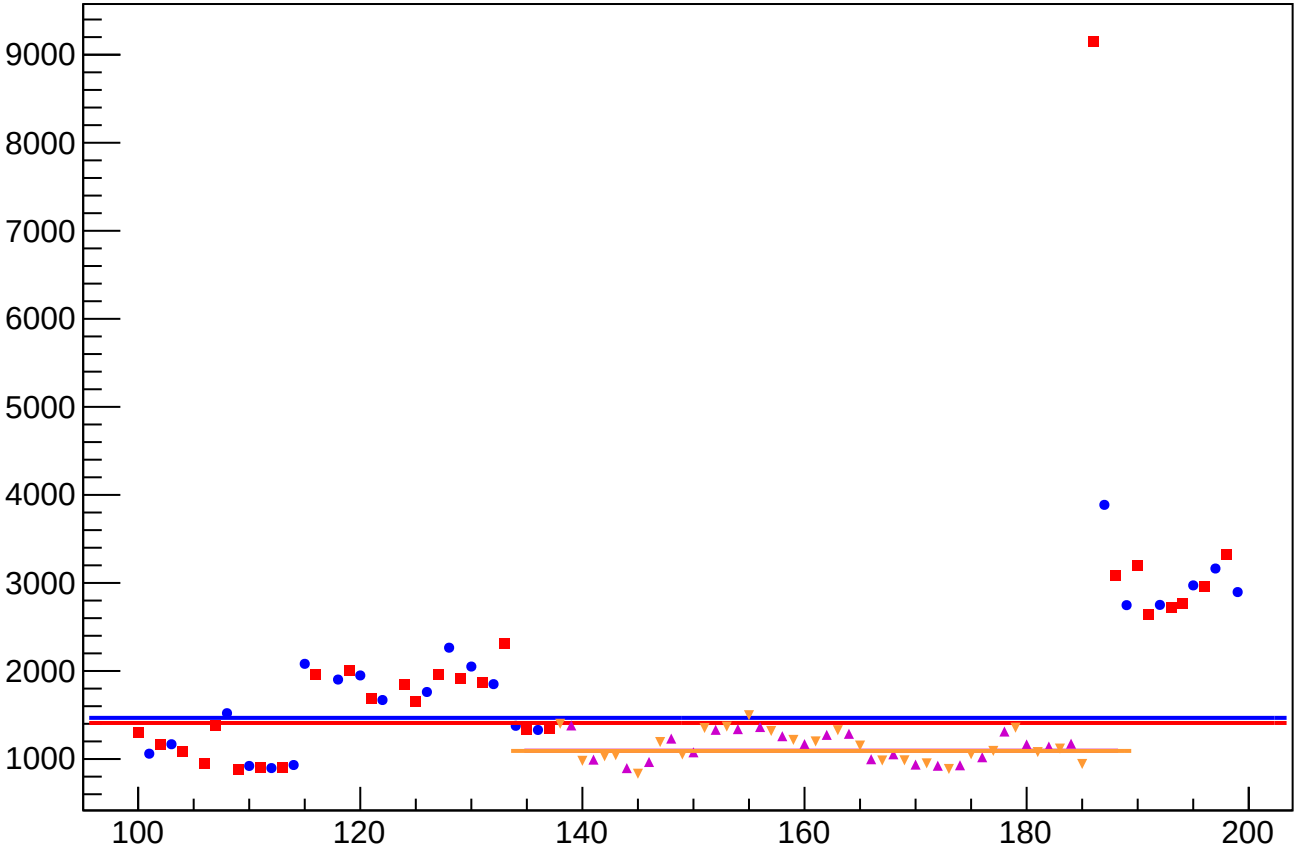
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1065.984+/-222.219 χ^2/NDF: 88.6/46

All: -763.525+/-157.576 χ^2/NDF: 141.3/96

- sign -457.626+/-223.479 χ^2/NDF: 48.9/49

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1467.588+/-0.334 χ^2/NDF: 3585365.6/21

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1409.408+/-0.313 χ^2/NDF: 5002779.6/26

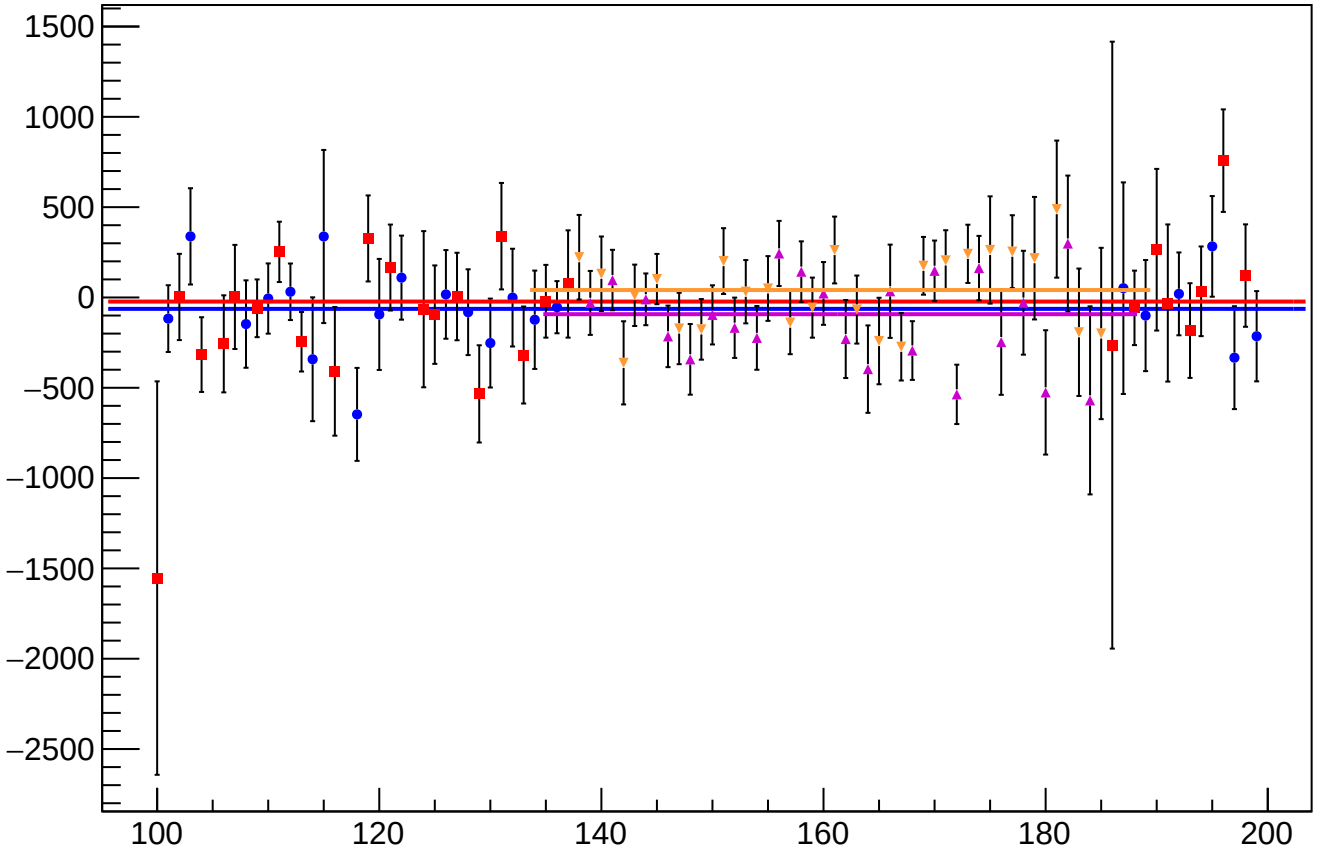
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1174.971+/-0.157 χ^2/NDF: 5461374.3/46

All: 1174.884+/-0.111 χ^2/NDF: 11951731.0/9

- sign 1174.796+/-0.158 χ^2/NDF: 6490356.1/49

dit_asym_sam_48_avg_mean vs Slug



Right In: -63.099+/-51.003 χ^2/NDF: 13.8/21

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -22.703+/-48.594 χ^2/NDF: 28.5/26

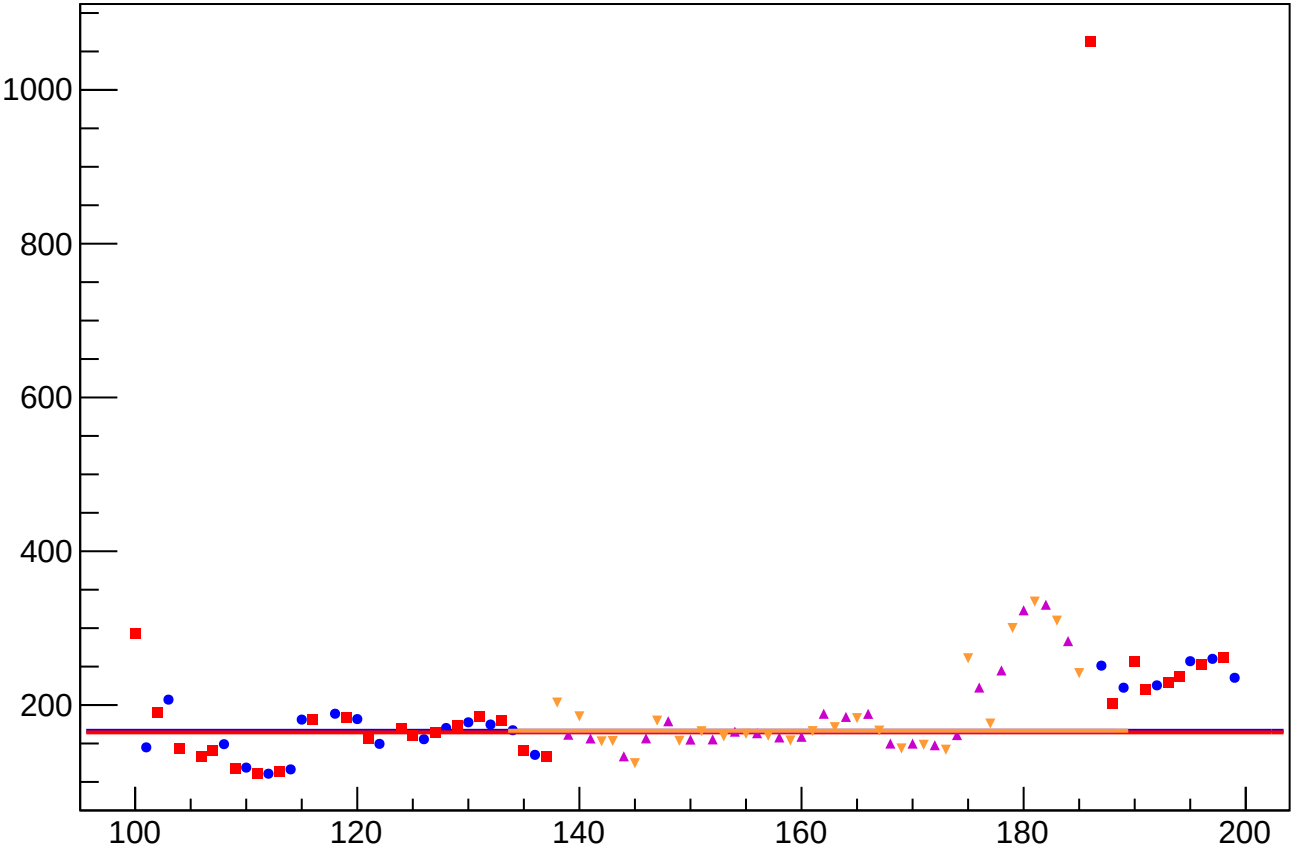
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 2.425+/-31.069 χ^2/NDF: 38.7/46

All: -31.008+/-21.930 χ^2/NDF: 100.3/96

- sign -64.204+/-30.959 χ^2/NDF: 59.3/49

dit_asym_sam_48_avg_rms vs Slug



Right In: 166.479+/-0.036 χ^2/NDF: 1459065.4/21

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

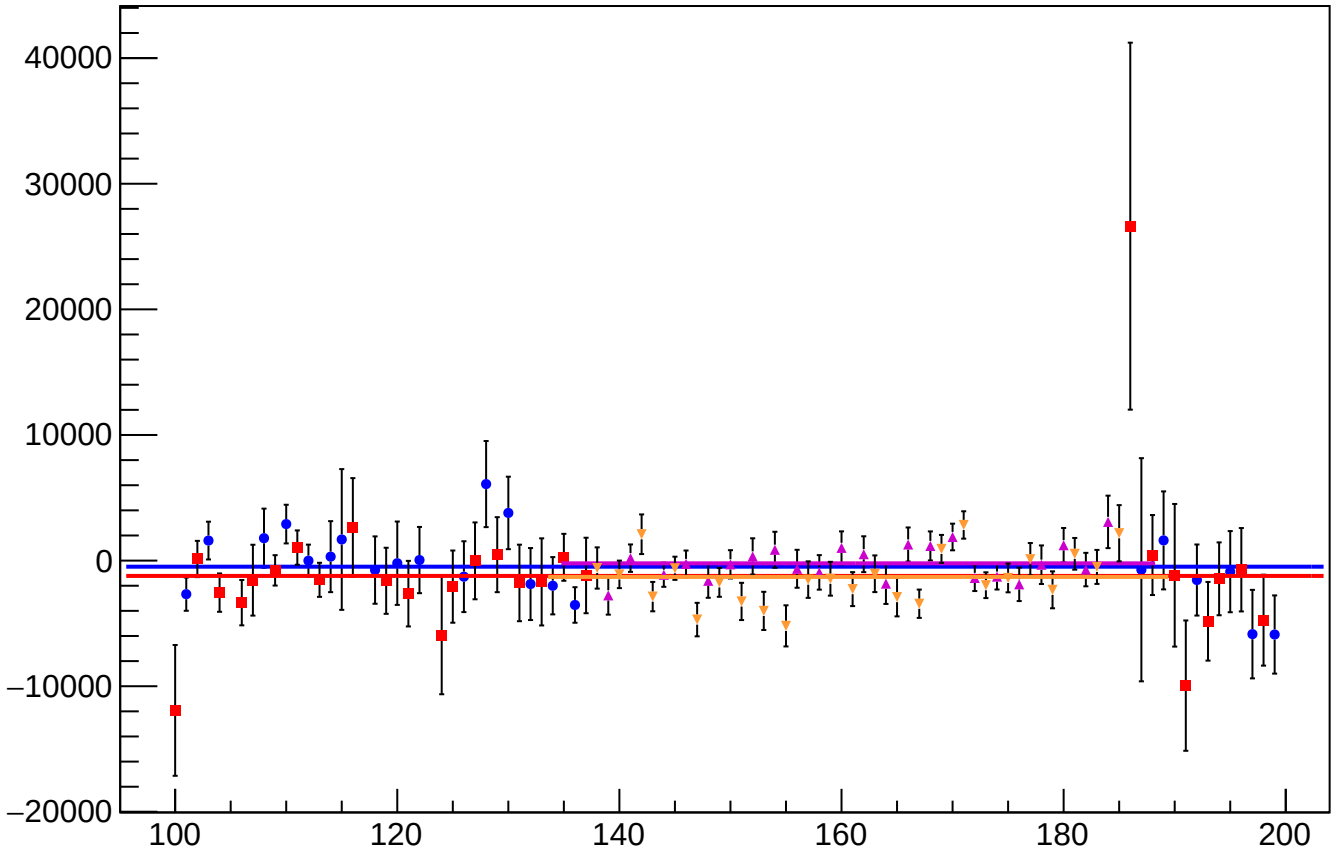
Right Out: 164.470+/-0.034 χ^2/NDF: 2242730.7/26

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

\+ sign 166.554+/-0.022 χ^2/NDF: 3178907.9/46

All: 166.056+/-0.016 χ^2/NDF: 6816828.2/96

\- sign 165.562+/-0.022 χ^2/NDF: 3636897.2/49



Right In: -484.112+/-477.514 χ^2/NDF: 27.9/21

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1219.356+/-445.760 χ^2/NDF: 22.7/26

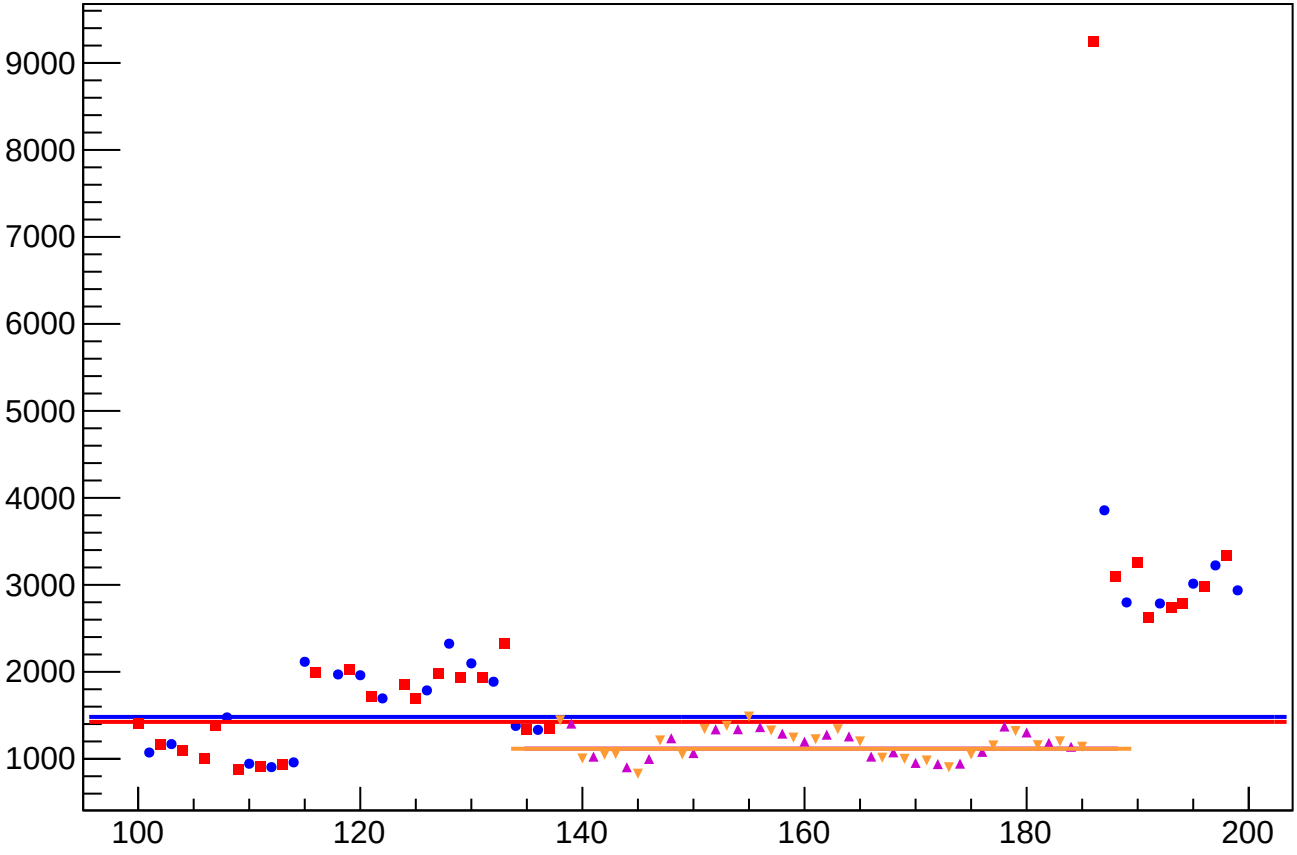
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1115.498+/-226.279 χ^2/NDF: 85.3/46

All: -798.353+/-160.398 χ^2/NDF: 137.9/96

- sign -478.063+/-227.398 χ^2/NDF: 48.7/49

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1481.993+/-0.338 χ^2/NDF: 3616926.0/21

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1424.867+/-0.315 χ^2/NDF: 4987416.0/26

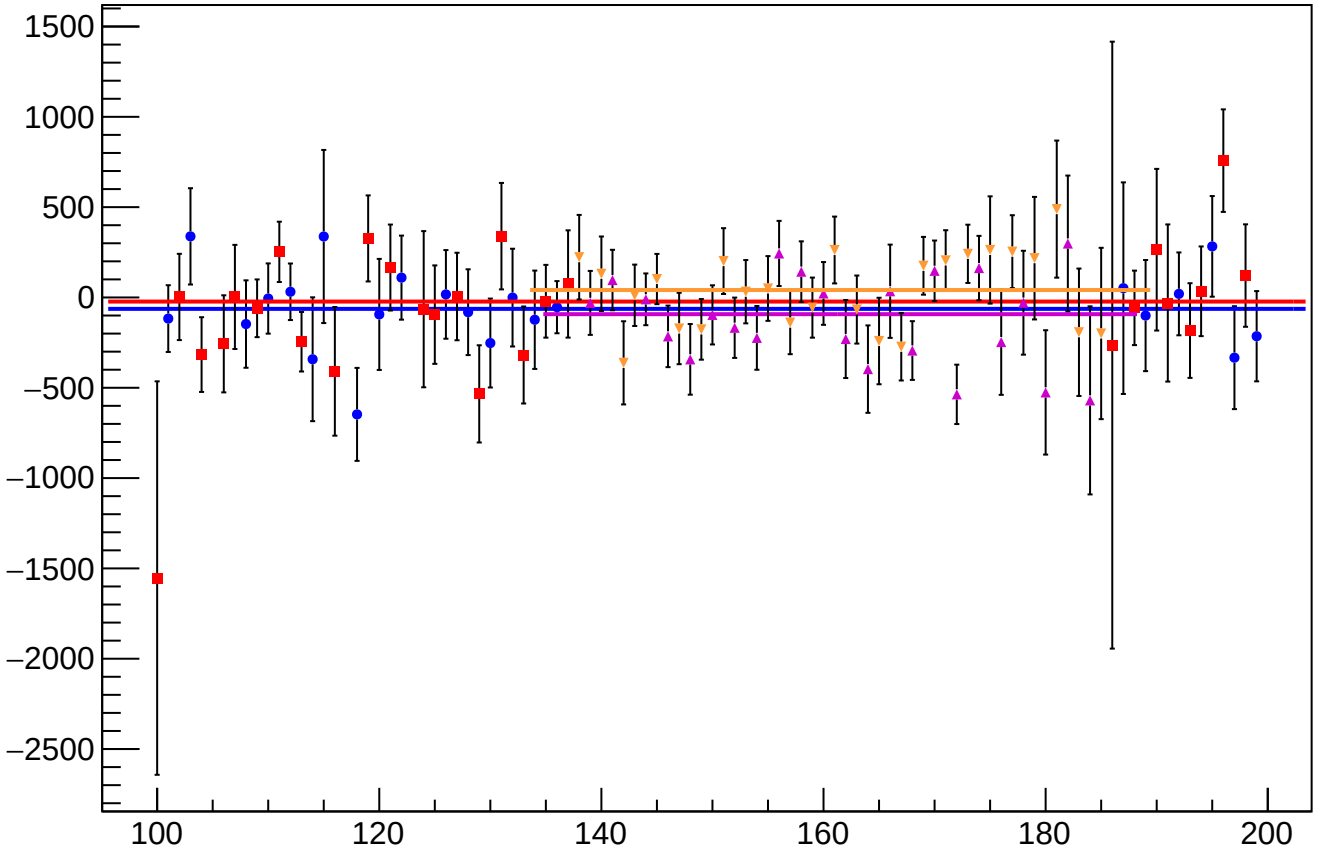
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1198.210+/-0.160 χ^2/NDF: 5395328.1/46

All: 1197.973+/-0.113 χ^2/NDF: 11814071.4/9

- sign 1197.734+/-0.161 χ^2/NDF: 6418738.9/49

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -63.097+/-51.003 χ^2/NDF: 13.8/21

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -22.703+/-48.594 χ^2/NDF: 28.5/26

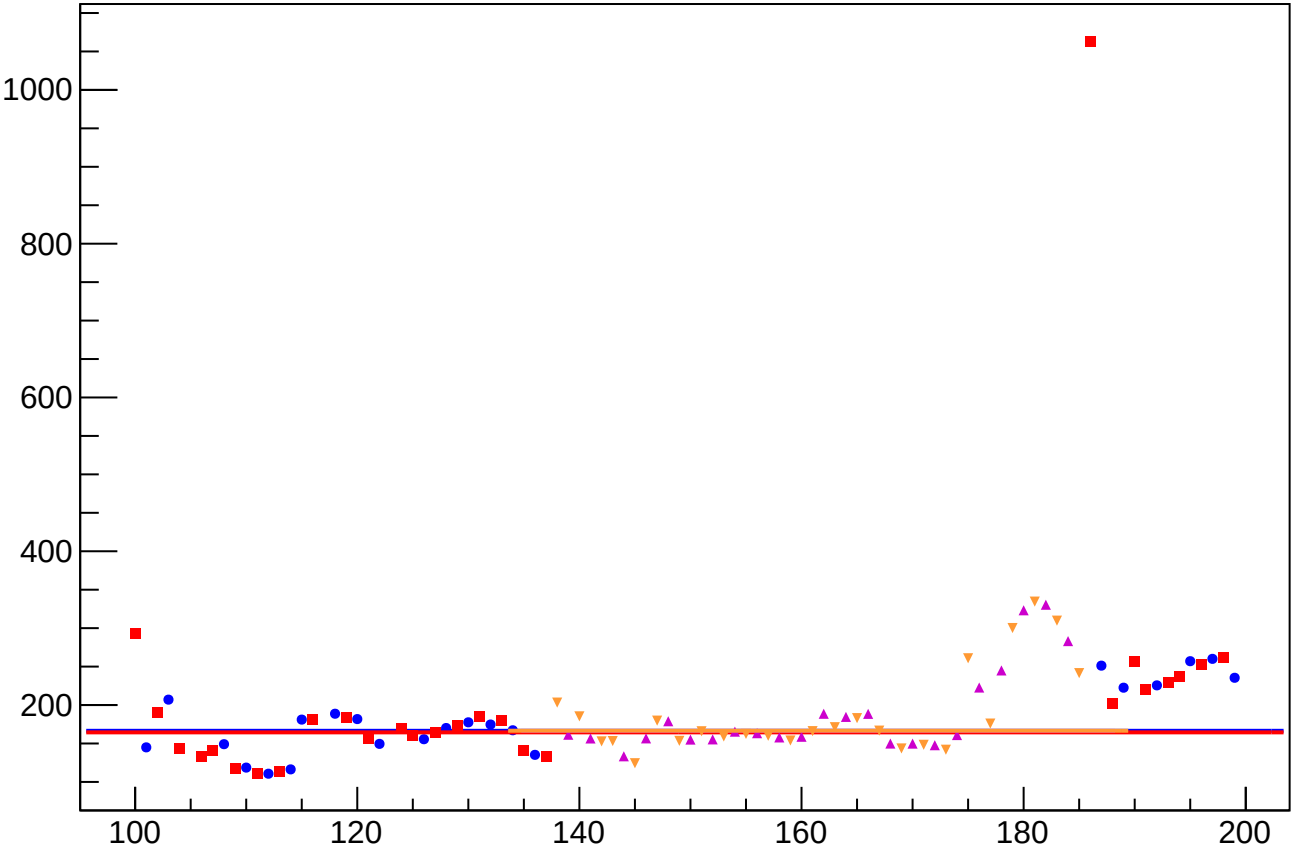
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 2.427+/-31.069 χ^2/NDF: 38.7/46

All: -31.006+/-21.930 χ^2/NDF: 100.3/96

- sign -64.204+/-30.959 χ^2/NDF: 59.3/49

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 166.479+/-0.036 χ^2/NDF: 1459058.9/21

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 164.470+/-0.034 χ^2/NDF: 2242731.3/26

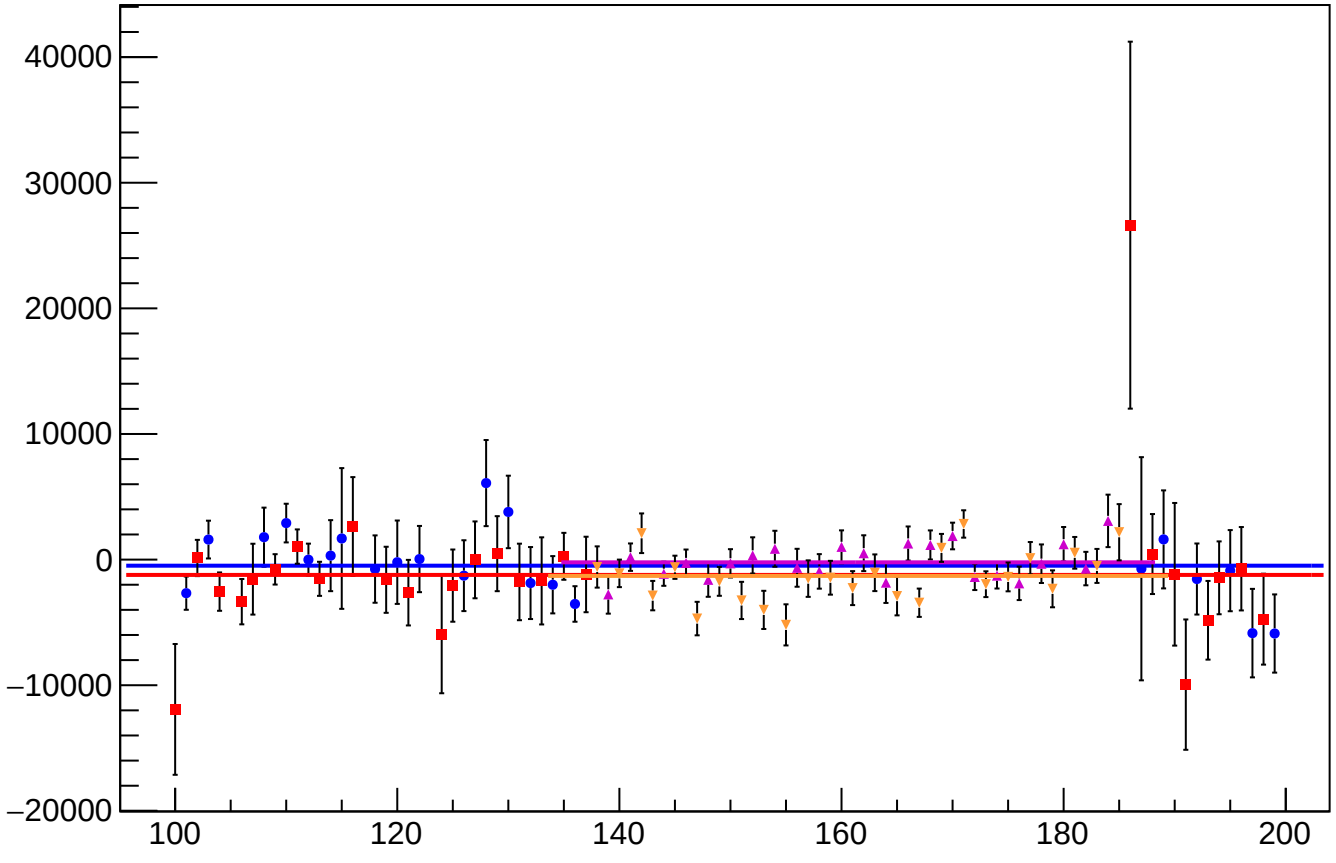
Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 166.554+/-0.022 χ^2/NDF: 3178895.3/46

All: 166.056+/-0.016 χ^2/NDF: 6816796.5/96

- sign 165.562+/-0.022 χ^2/NDF: 3636878.1/49

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -484.111+/-477.513 χ^2/NDF: 27.9/21

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

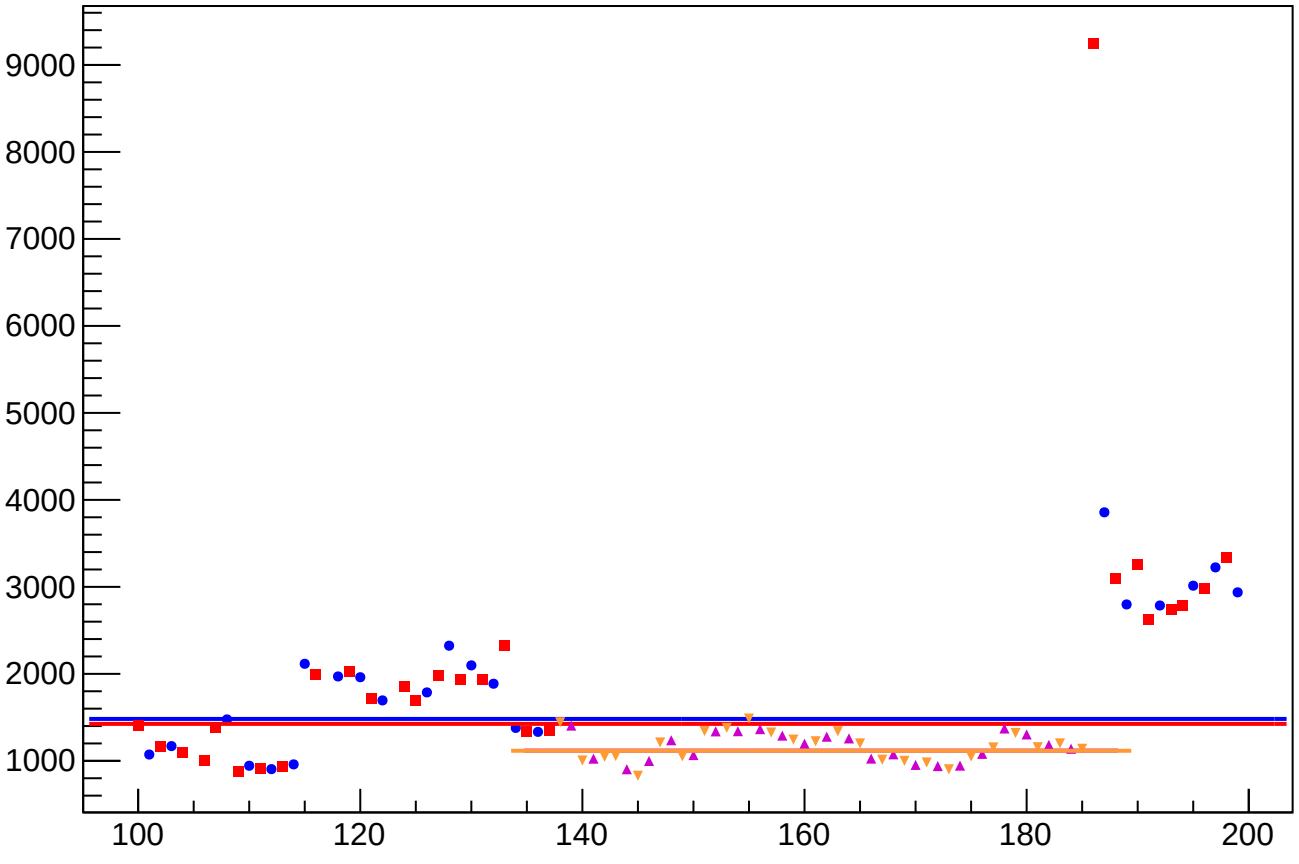
Right Out: -1219.355+/-445.760 χ^2/NDF: 22.7/26

Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1115.496+/-226.279 χ^2/NDF: 85.3/46

All: -798.351+/-160.397 χ^2/NDF: 137.9/96

- sign -478.061+/-227.398 χ^2/NDF: 48.7/49



Right In: 1481.991+/-0.338 χ^2/NDF: 3616928.8/21

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1424.866+/-0.315 χ^2/NDF: 4987415.5/26

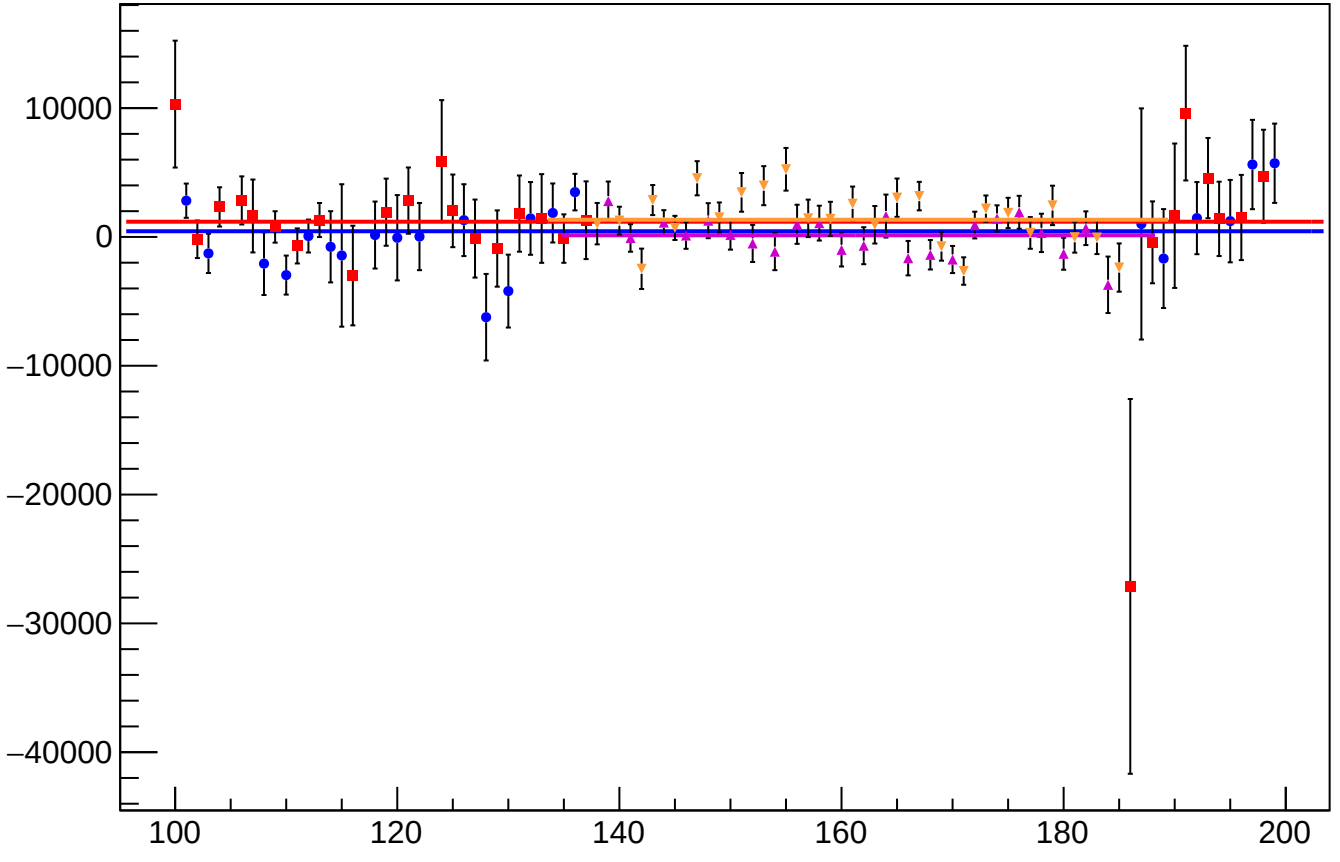
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1198.208+/-0.160 χ^2/NDF: 5395336.8/46

All: 1197.971+/-0.113 χ^2/NDF: 11814082.0/9

- sign 1197.732+/-0.161 χ^2/NDF: 6418740.8/49

asym_sam_48_avg_mean vs Slug



Right In: 440.996+/-476.011 χ^2/NDF: 28.5/21

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1181.133+/-444.915 χ^2/NDF: 20.5/26

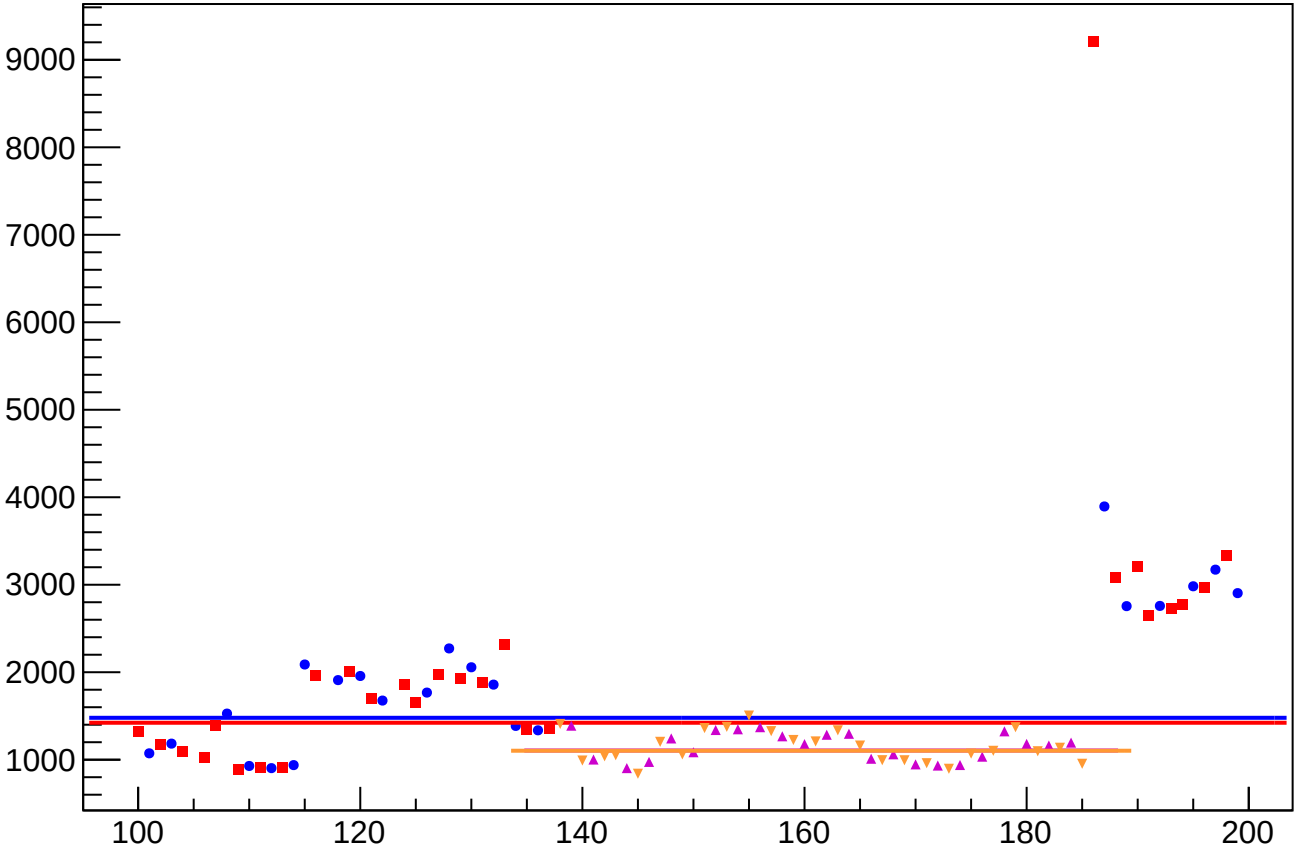
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1136.408+/-224.221 χ^2/NDF: 86.9/46

All: 769.391+/-158.960 χ^2/NDF: 141.0/96

- sign 398.541+/-225.389 χ^2/NDF: 48.6/49

asym_sam_48_avg_rms vs Slug



Right In: 1479.150+/-0.337 χ^2/NDF: 3547497.6/21

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1422.546+/-0.315 χ^2/NDF: 4939432.4/26

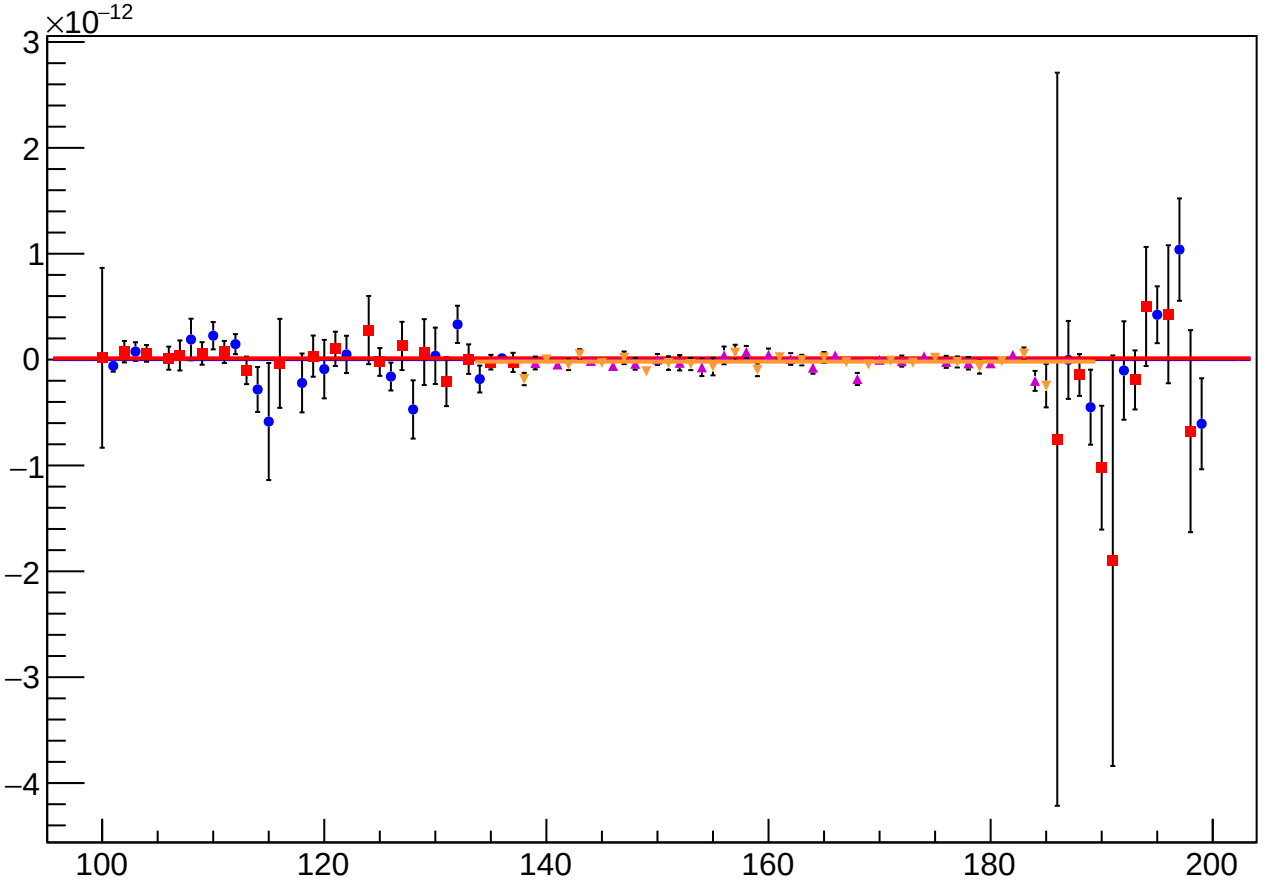
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1186.227+/-0.159 χ^2/NDF: 5401288.2/46

All: 1186.433+/-0.112 χ^2/NDF: 11820420.4/9

- 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: 32.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

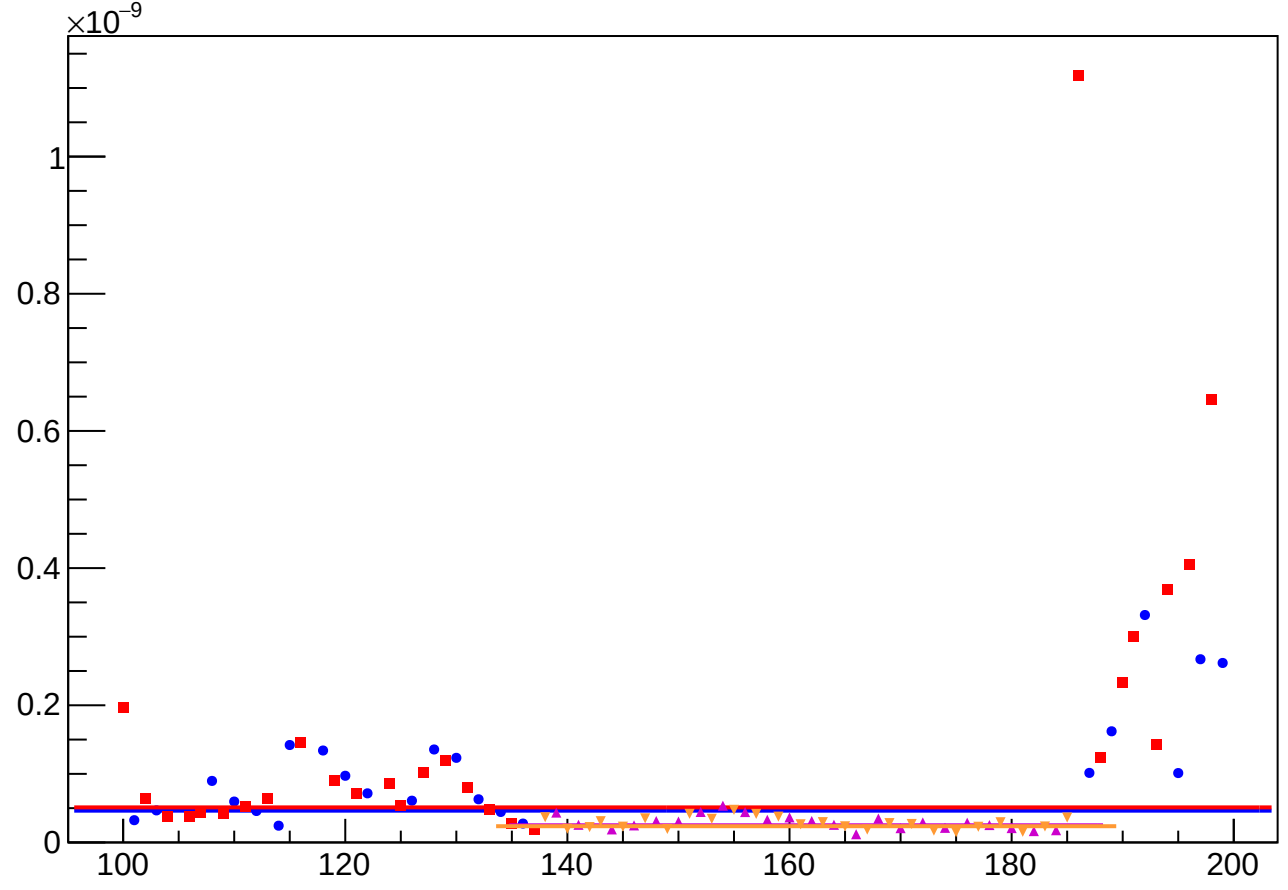
Right Out: 0.000+/-0.000 χ^2/NDF: 11.8/26

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.1/46

All: -0.000+/-0.000 χ^2/NDF: 99.9/96

- sign -0.000+/-0.000 χ^2/NDF: 39.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 3398309.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4082892.4/26

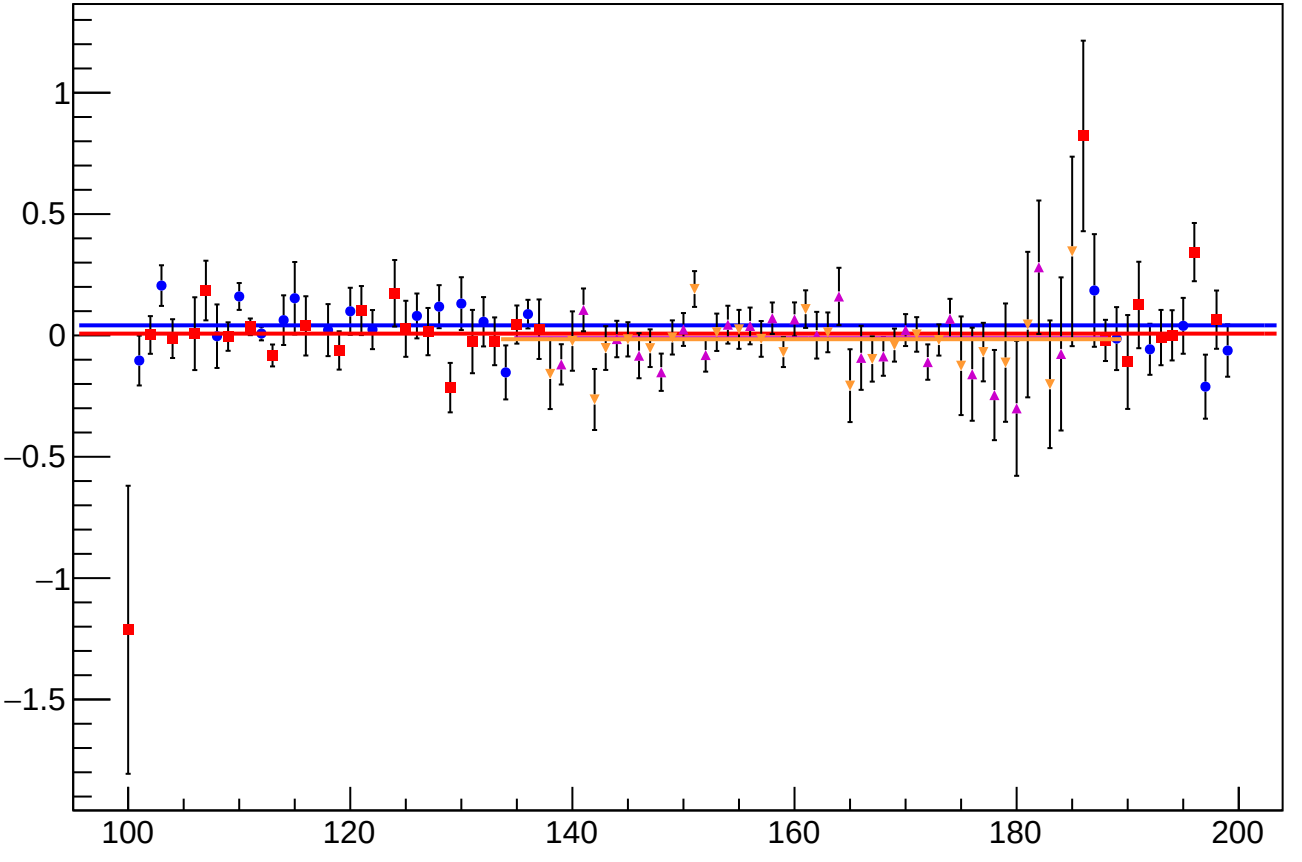
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6148787.9/46

All: 0.000+/-0.000 χ^2/NDF: 13325067.8/96

- sign 0.000+/-0.000 χ^2/NDF: 7134023.6/49

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.007+/-0.017 χ^2/NDF: 32.8/26

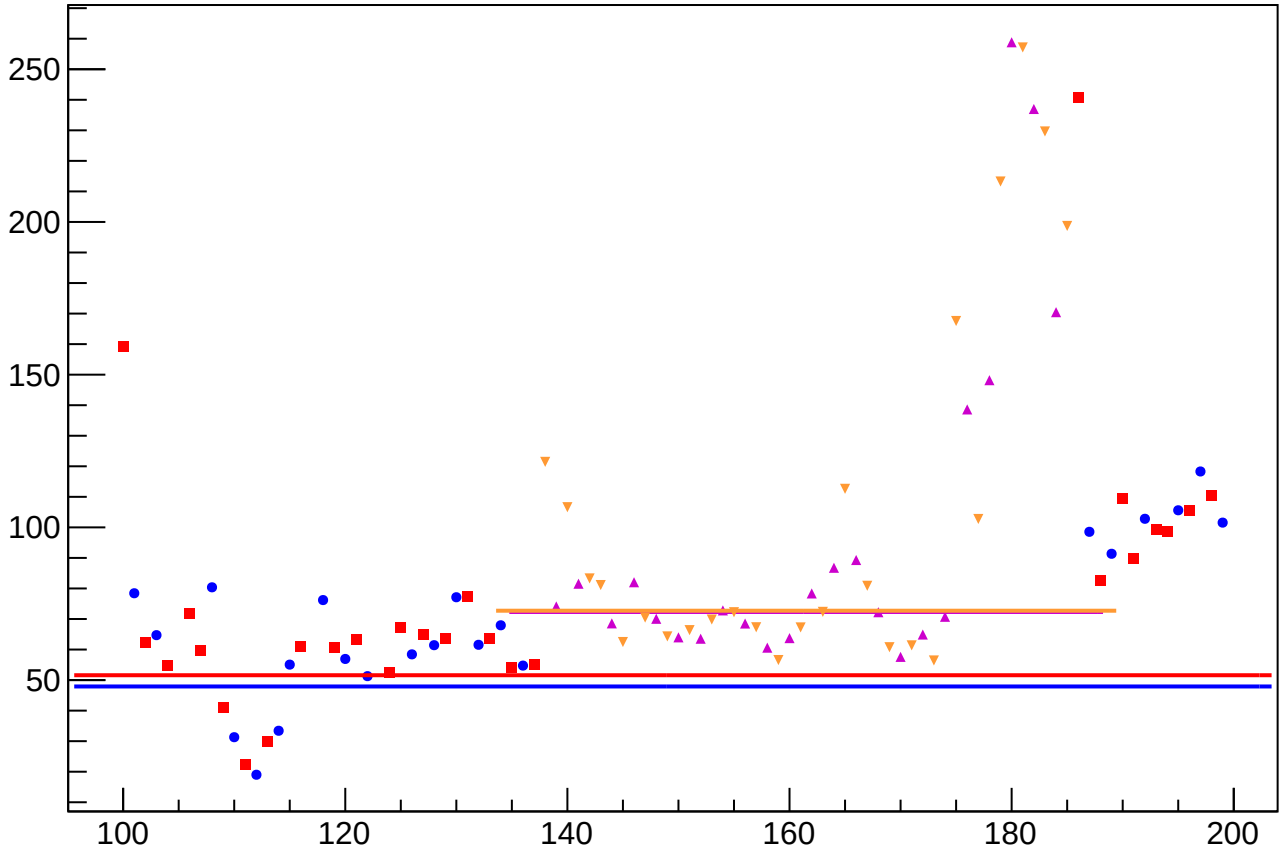
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.015+/-0.012 χ^2/NDF: 51.4/46

All: 0.007+/-0.009 χ^2/NDF: 108.9/96

- sign -0.001+/-0.012 χ^2/NDF: 56.7/49

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 47.910+/-0.012 χ^2/NDF: 5648347.0/21

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

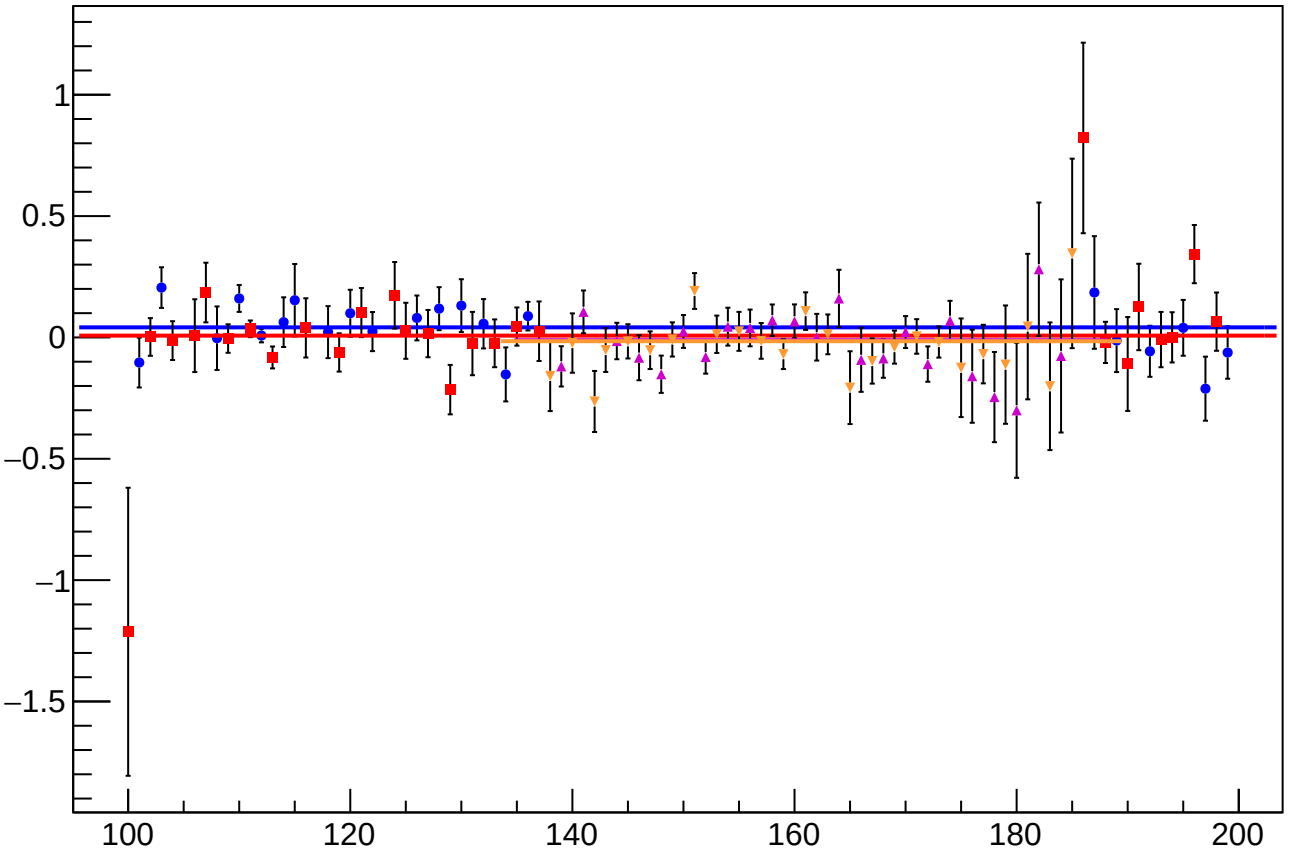
Right Out: 51.591+/-0.012 χ^2/NDF: 5079185.9/26

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 59.466+/-0.009 χ^2/NDF: 11646890.7/46

All: 60.217+/-0.006 χ^2/NDF: 20939080.8/96

- sign 60.970+/-0.009 χ^2/NDF: 9277186.9/49



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

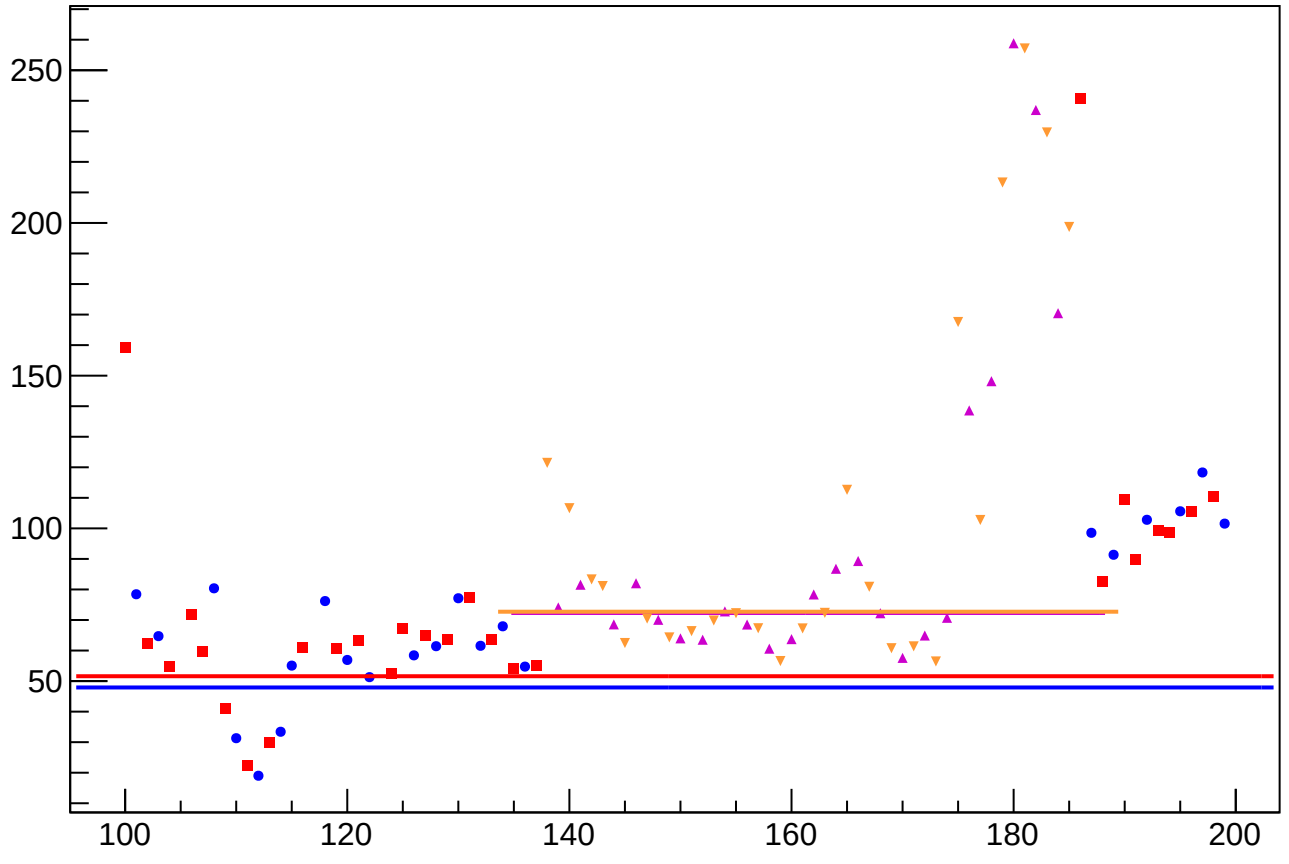
Right Out: 0.007+/-0.017 χ^2/NDF: 32.8/26

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.015+/-0.012 χ^2/NDF: 51.4/46

All: 0.007+/-0.009 χ^2/NDF: 108.9/96

- sign -0.001+/-0.012 χ^2/NDF: 56.7/49



Right In: 47.910+/-0.012 χ^2/NDF: 5648347.0/21

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

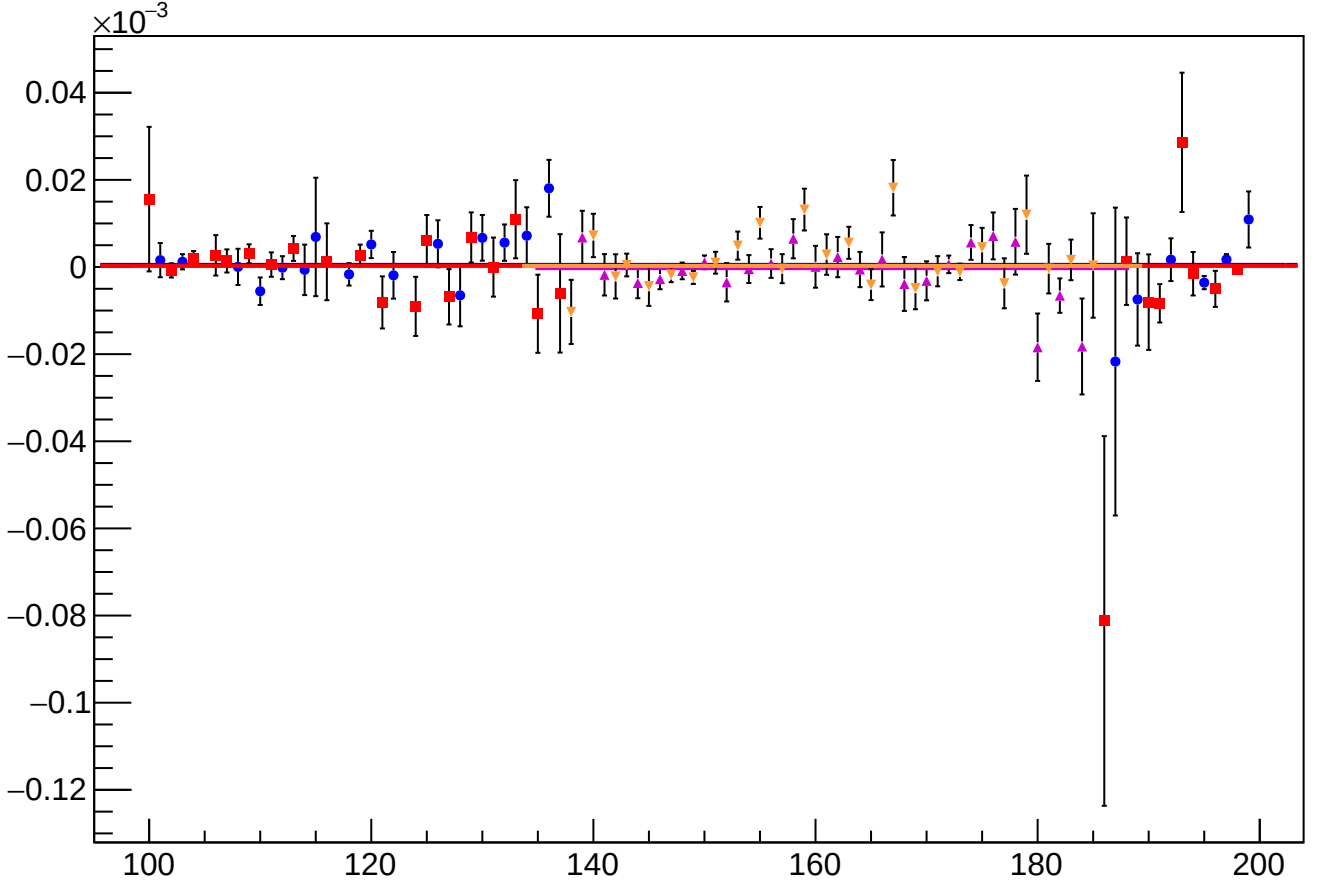
Right Out: 51.591+/-0.012 χ^2/NDF: 5079185.9/26

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 59.466+/-0.009 χ^2/NDF: 11646890.7/46

All: 60.217+/-0.006 χ^2/NDF: 20939080.8/96

- sign 60.970+/-0.009 χ^2/NDF: 9277186.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/26

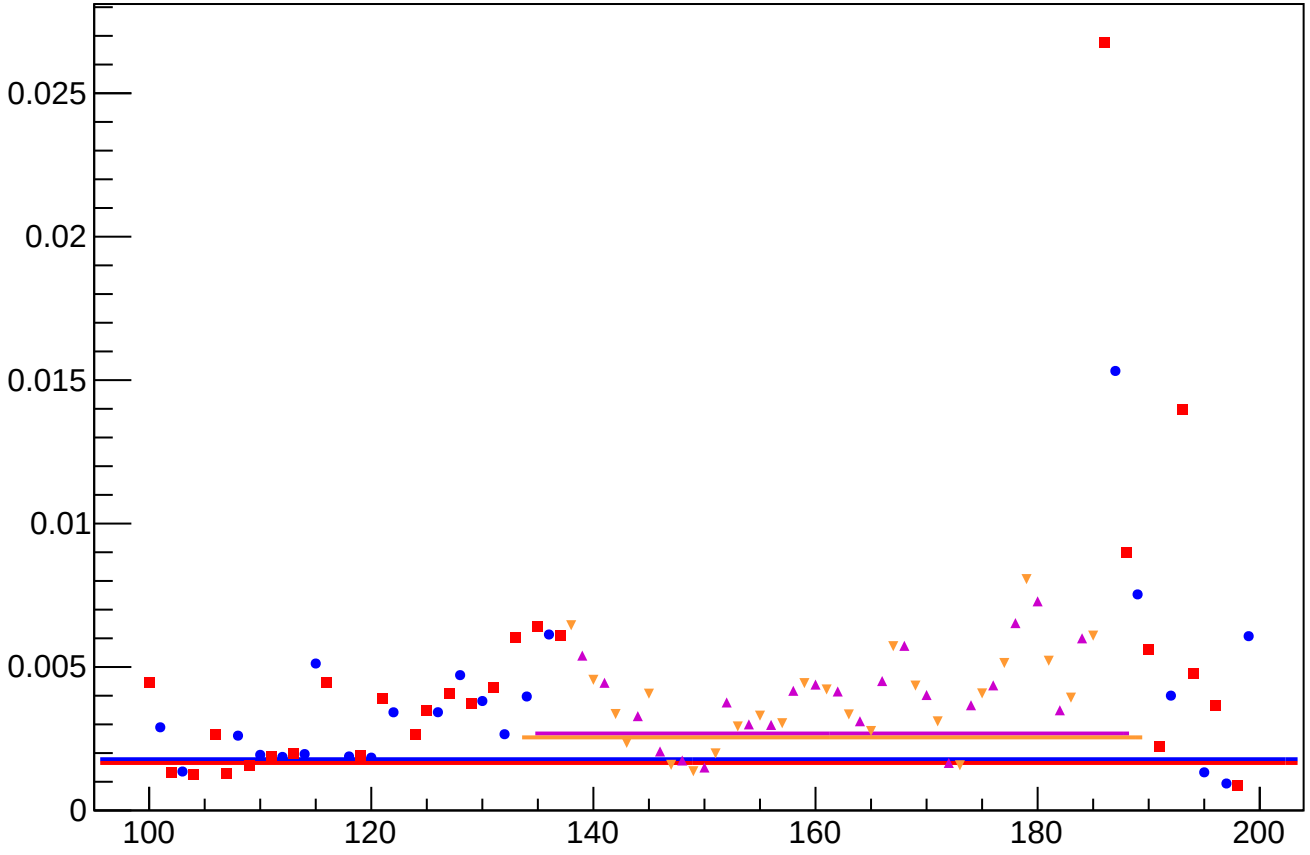
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.7/46

All: 0.000+/-0.000 χ^2/NDF: 131.7/96

- sign 0.000+/-0.000 χ^2/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: 6006488.9/21

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

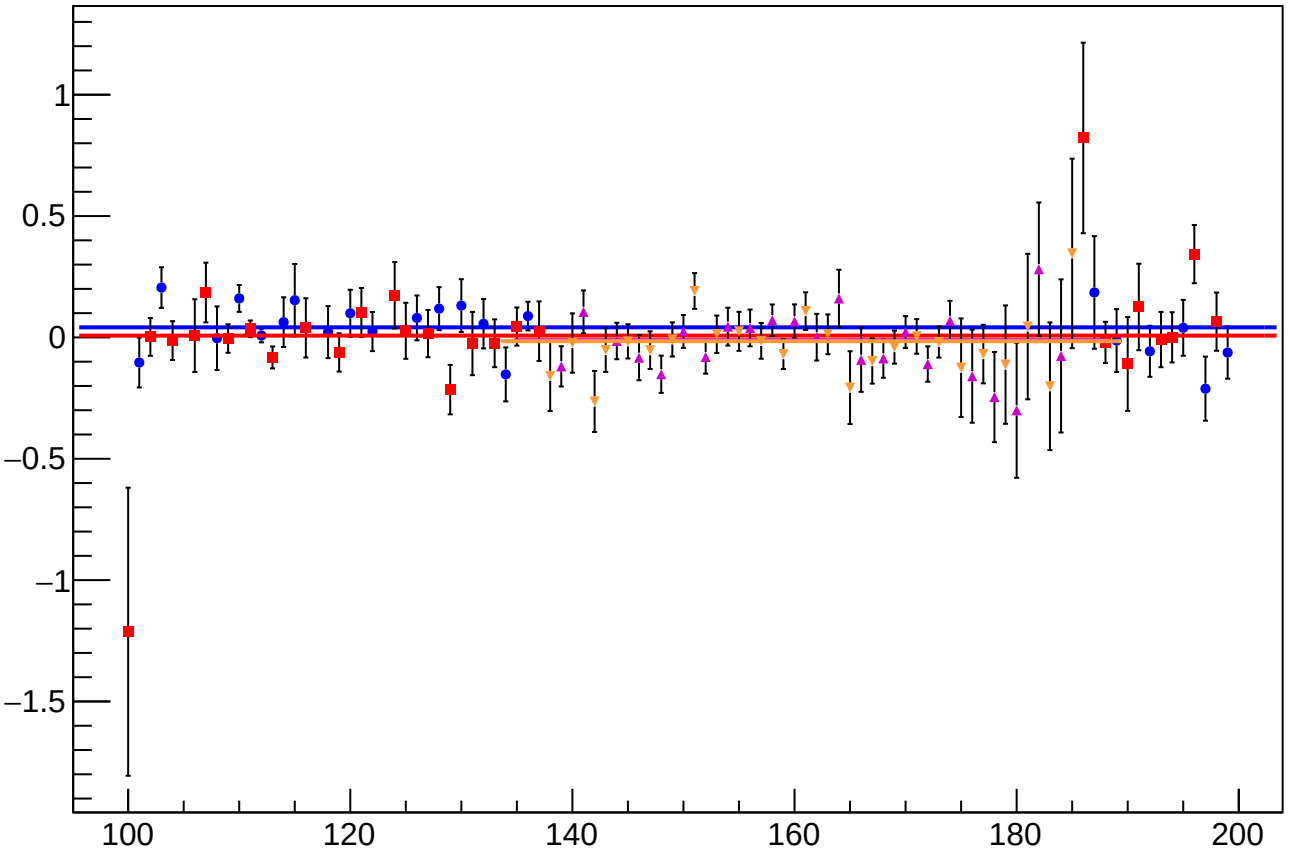
Right Out: 0.002+/-0.000 χ^2/NDF: 8955194.8/26

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 14877461.5/46

All: 0.002+/-0.000 χ^2/NDF: 32848394.4/96

- sign 0.002+/-0.000 χ^2/NDF: 17936978.6/49



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

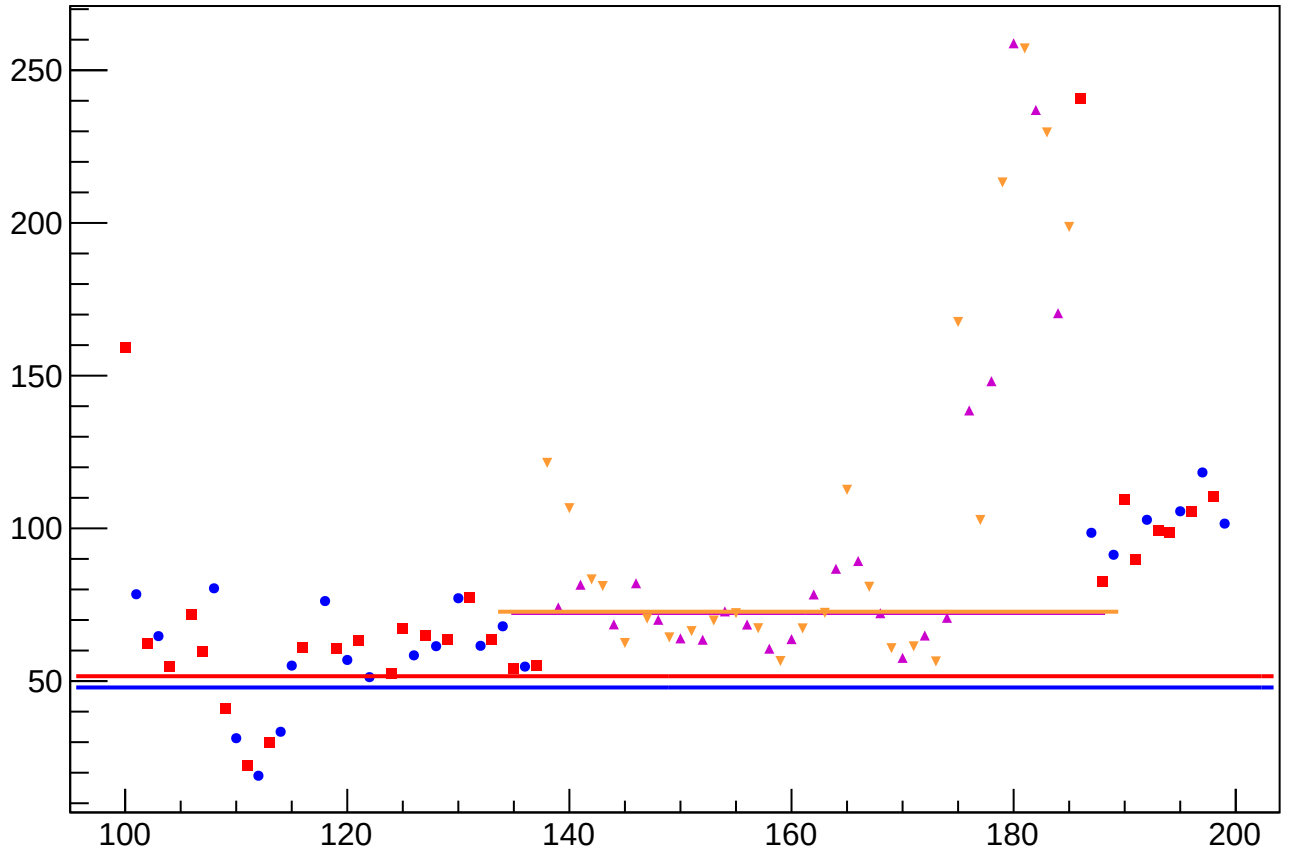
Right Out: 0.007+/-0.017 χ^2/NDF: 32.8/26

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.015+/-0.012 χ^2/NDF: 51.4/46

All: 0.007+/-0.009 χ^2/NDF: 108.9/96

- sign -0.001+/-0.012 χ^2/NDF: 56.7/49



Right In: 47.909+/-0.012 χ^2/NDF: 5648555.3/21

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

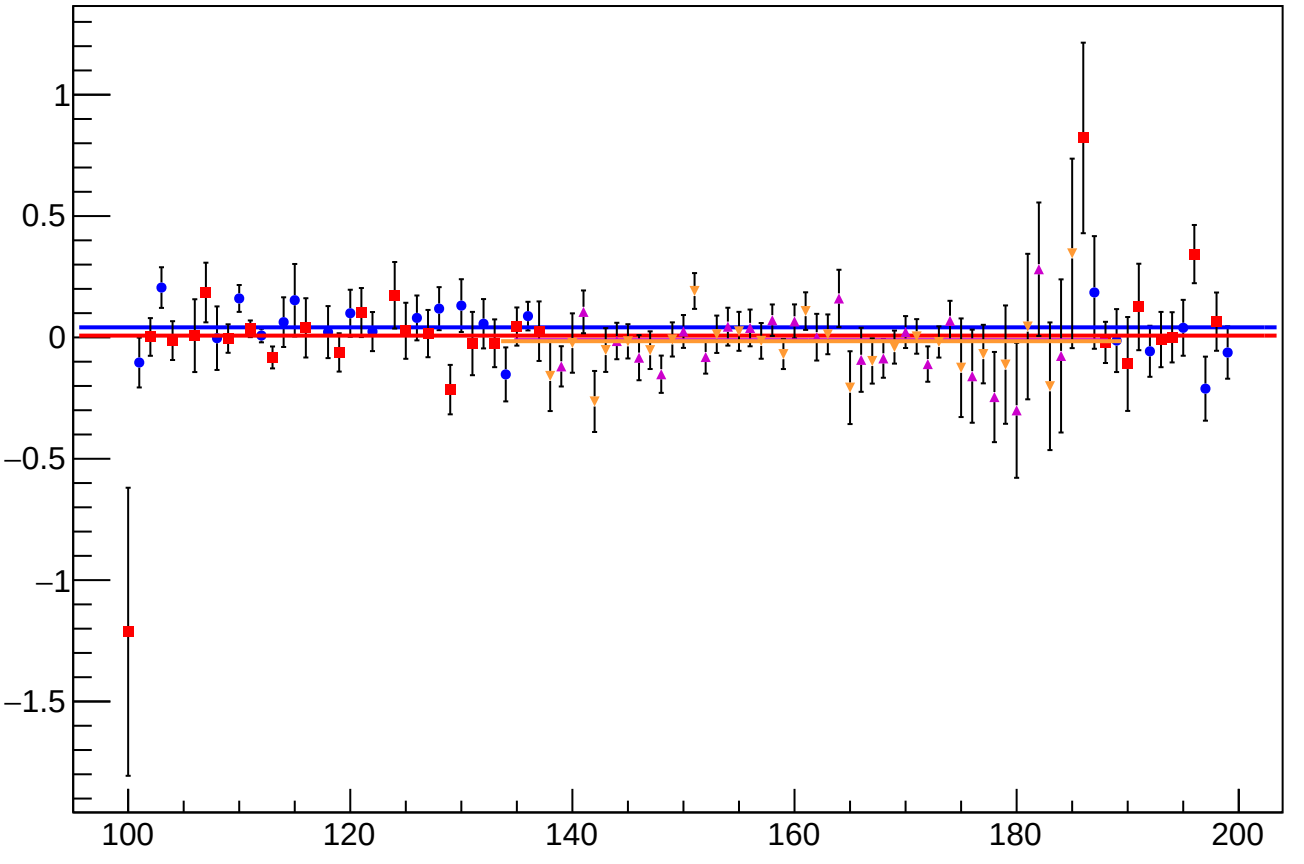
Right Out: 51.590+/-0.012 χ^2/NDF: 5079432.6/26

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 59.466+/-0.009 χ^2/NDF: 11647317.1/46

All: 60.216+/-0.006 χ^2/NDF: 20939900.5/96

- sign 60.969+/-0.009 χ^2/NDF: 9277578.6/49



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

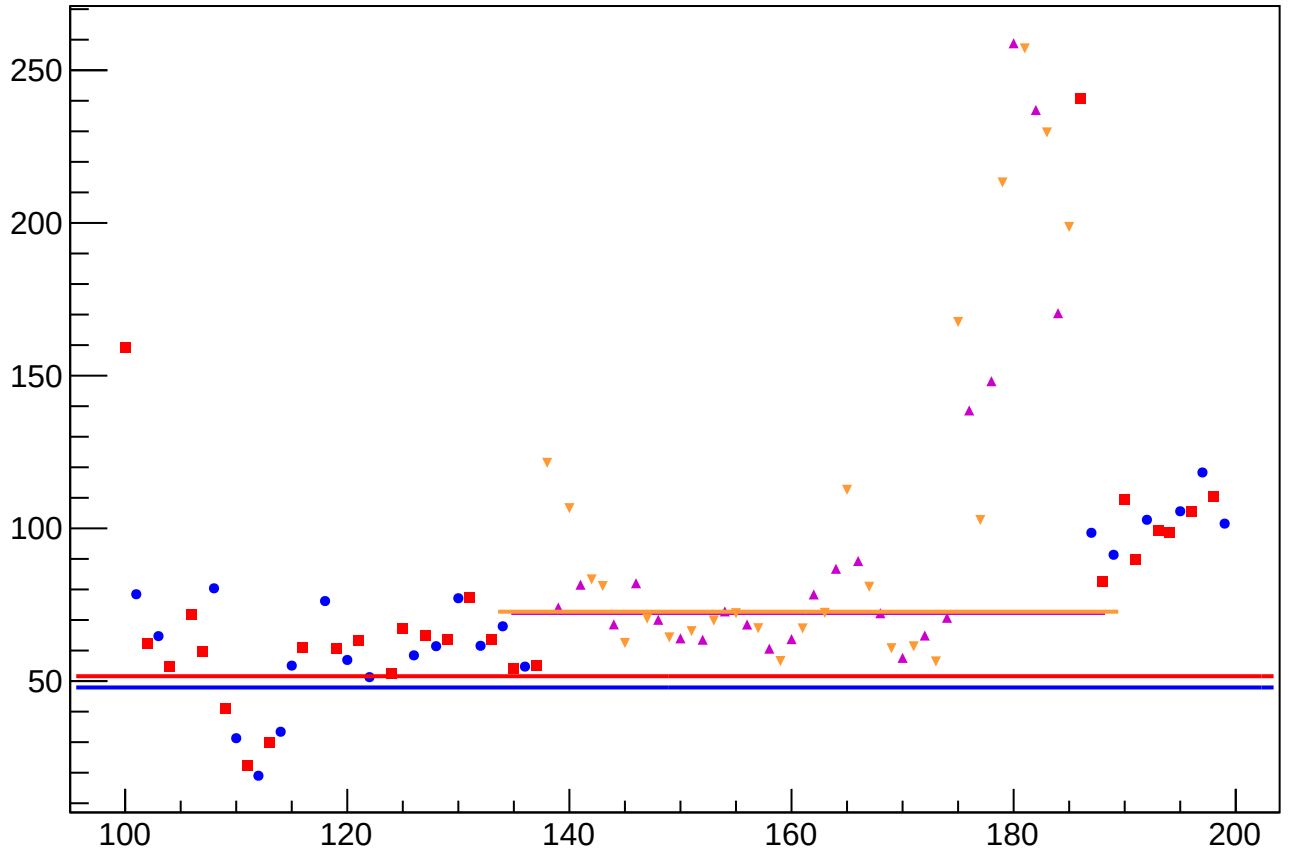
Right Out: 0.007+/-0.017 χ^2/NDF: 32.8/26

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.015+/-0.012 χ^2/NDF: 51.4/46

All: 0.007+/-0.009 χ^2/NDF: 108.9/96

- sign -0.001+/-0.012 χ^2/NDF: 56.7/49



Right In: 47.909+/-0.012 χ^2/NDF: 5648555.3/21

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

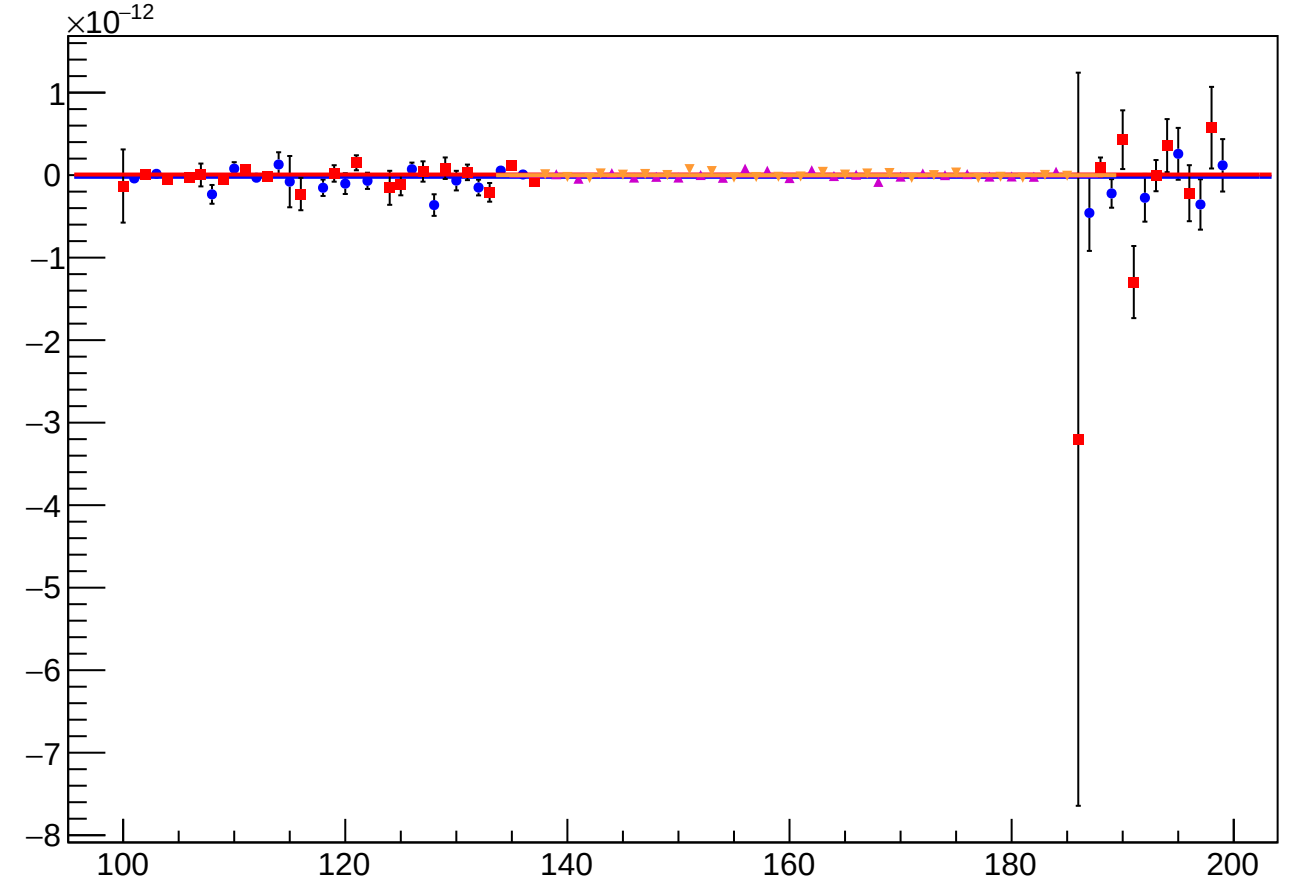
Right Out: 51.590+/-0.012 χ^2/NDF: 5079432.6/26

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 59.466+/-0.009 χ^2/NDF: 11647317.1/46

All: 60.216+/-0.006 χ^2/NDF: 20939900.5/96

- sign 60.969+/-0.009 χ^2/NDF: 9277578.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 28.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

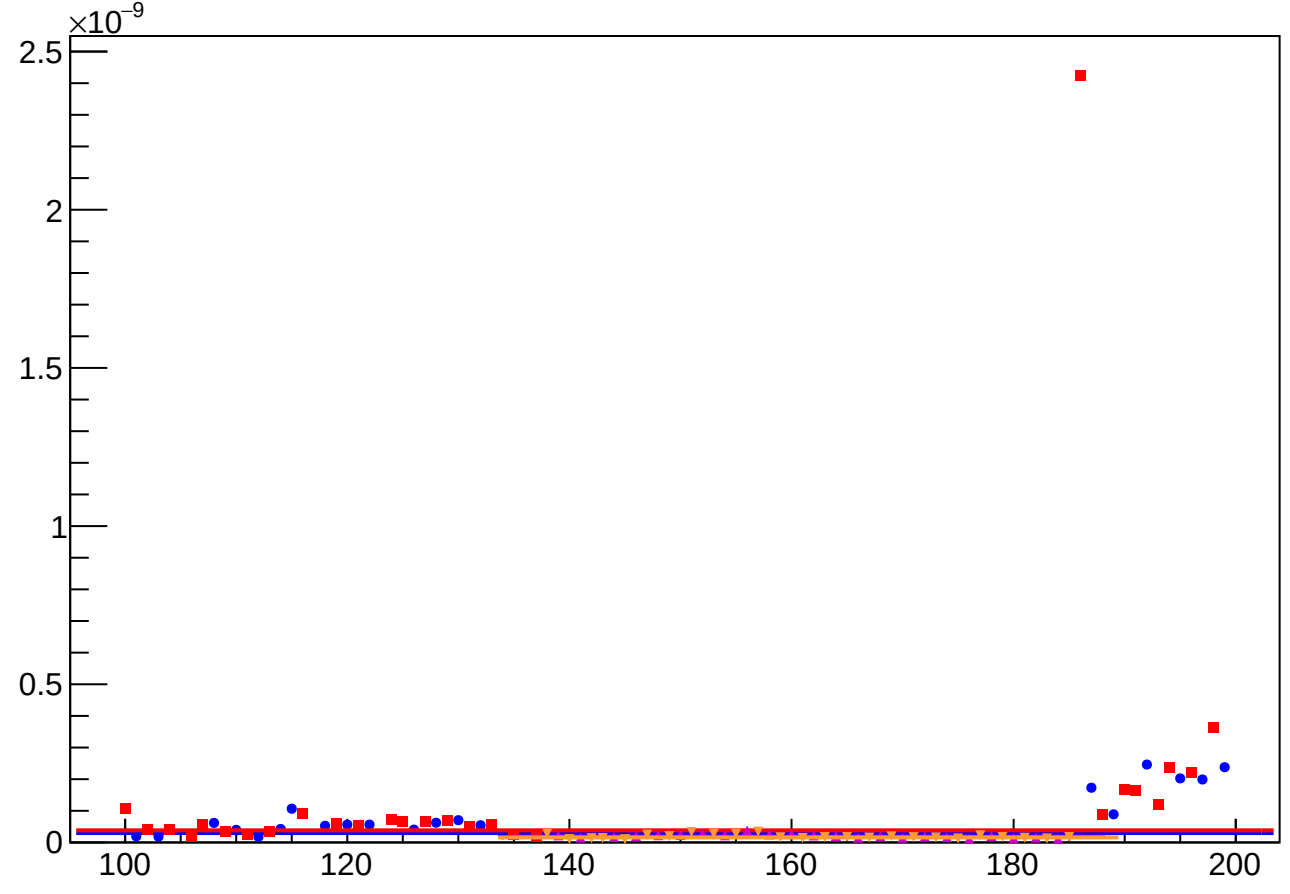
Right Out: 0.000+/-0.000 χ^2/NDF: 37.6/26

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.9/46

All: -0.000+/-0.000 χ^2/NDF: 134.5/96

- sign -0.000+/-0.000 χ^2/NDF: 76.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 5473021.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5710979.9/26

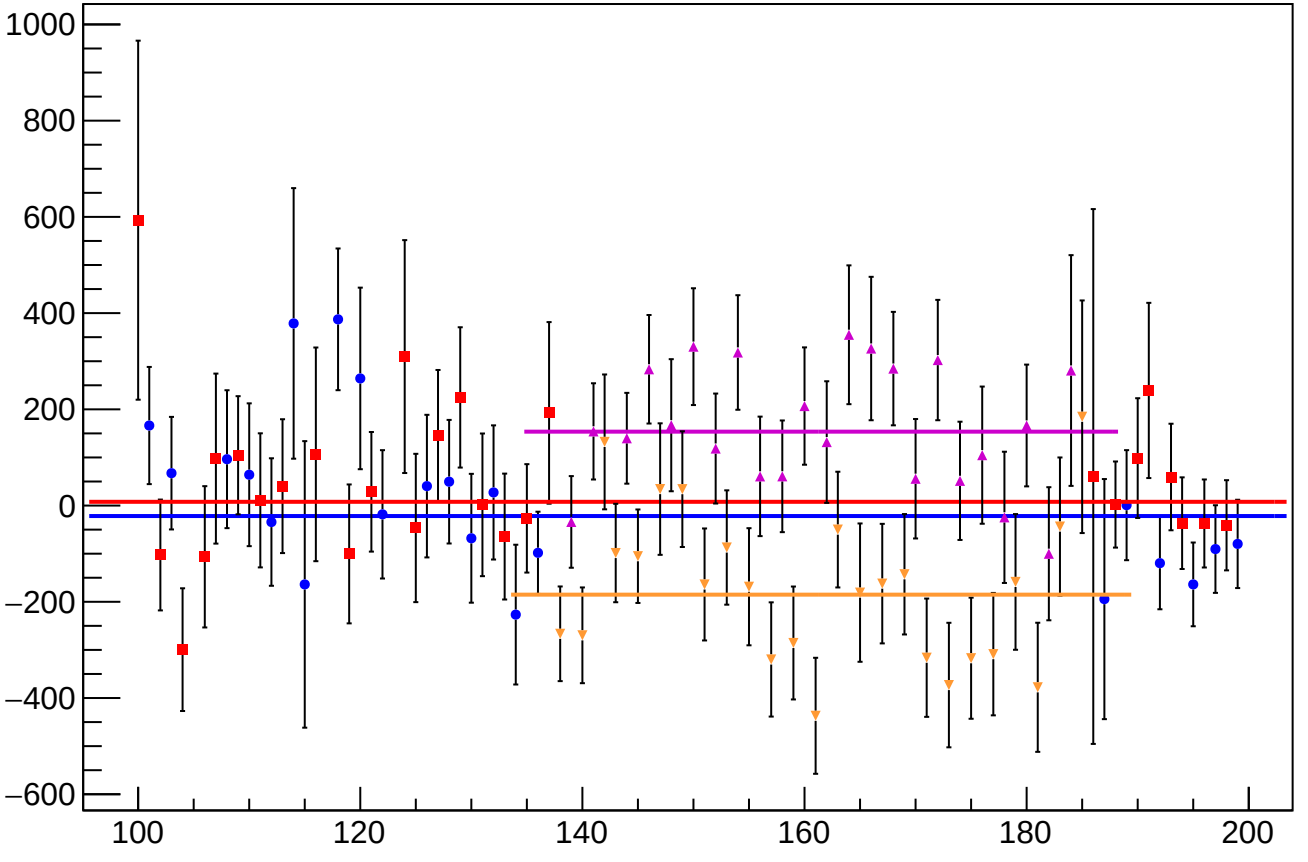
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9526273.5/46

All: 0.000+/-0.000 χ^2/NDF: 19984248.4/96

- sign 0.000+/-0.000 χ^2/NDF: 10079977.8/49

reg_asym_sam_15_dd_mean vs Slug



Right In: -21.762+/-26.572 χ^2/NDF: 25.0/21

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 7.825+/-25.454 χ^2/NDF: 20.9/26

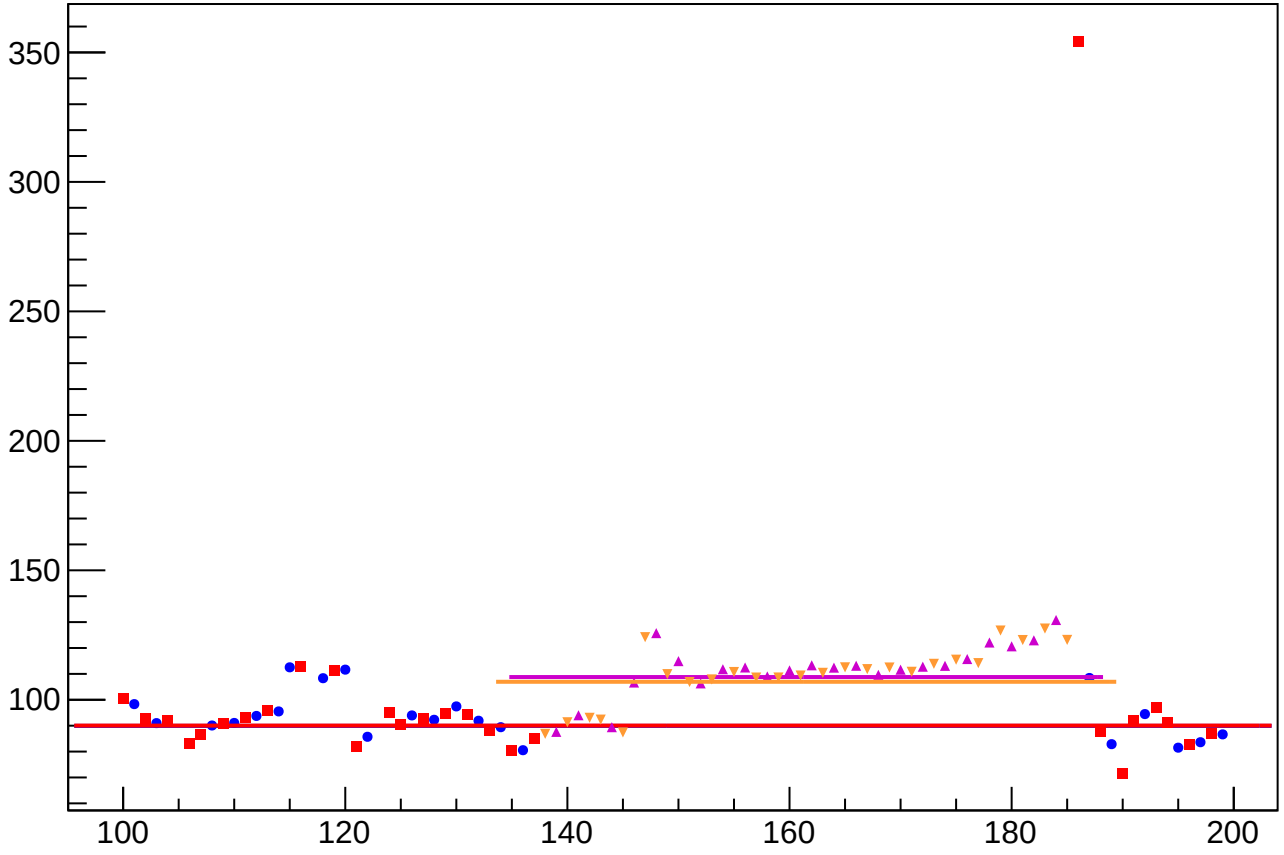
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -110.229+/-17.993 χ^2/NDF: 78.5/46

All: -15.058+/-12.735 χ^2/NDF: 195.3/96

- sign 80.486+/-18.028 χ^2/NDF: 60.7/49

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 90.033+/-0.018 χ^2/NDF: 629092.9/26

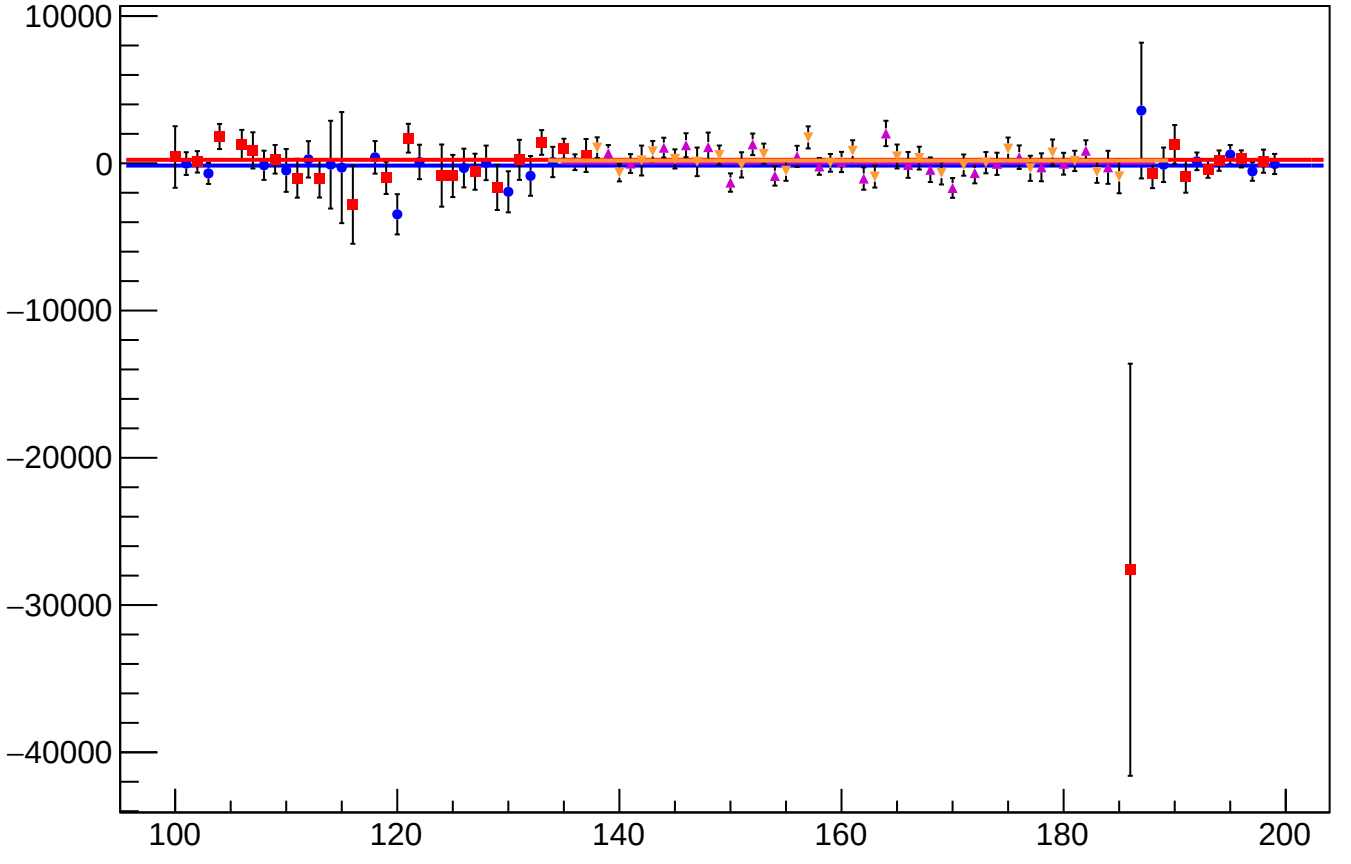
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 99.145+/-0.013 χ^2/NDF: 1079787.4/46

All: 99.260+/-0.009 χ^2/NDF: 2608169.0/96

- sign 99.376+/-0.013 χ^2/NDF: 1528216.6/49

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -154.857+/-198.754 χ^2/NDF: 11.7/21

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 237.017+/-187.865 χ^2/NDF: 25.5/26

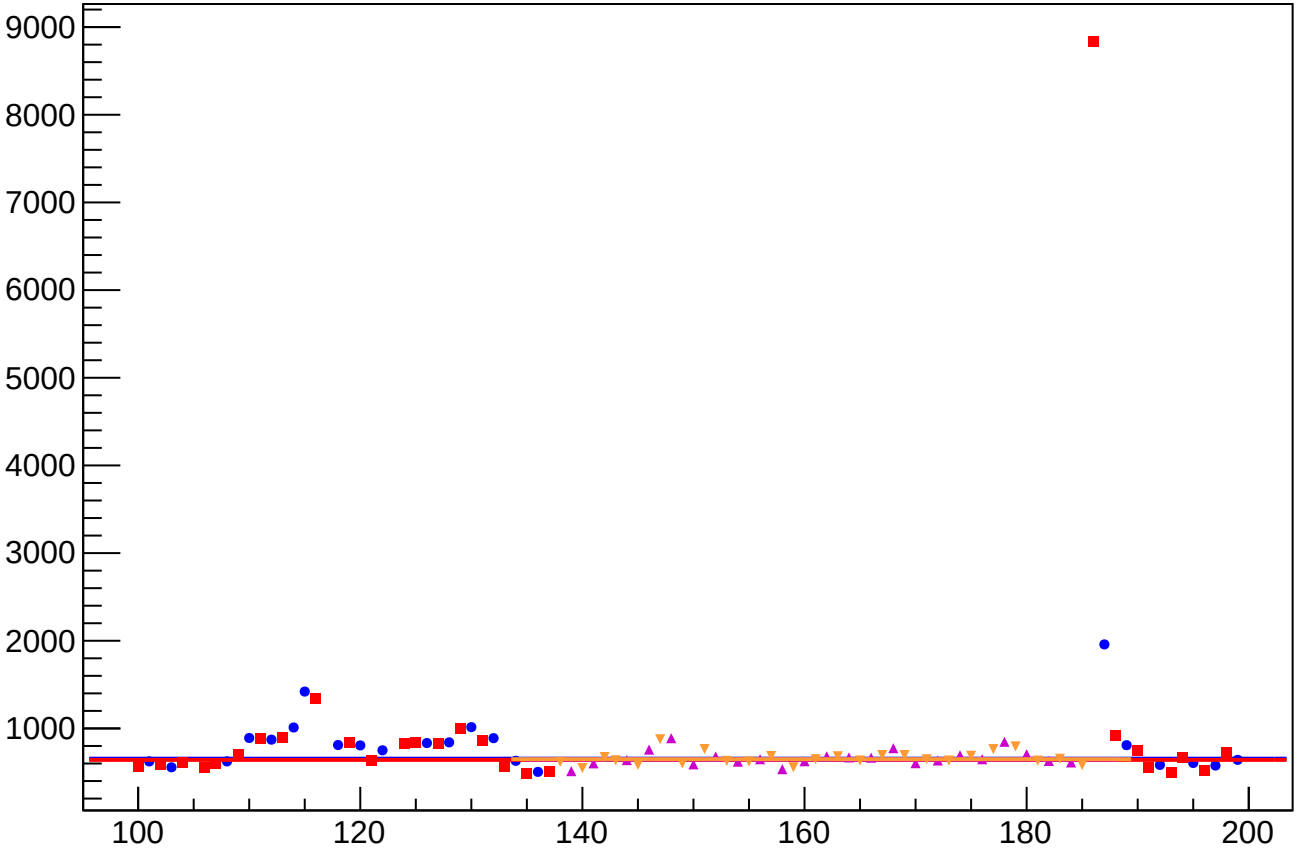
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 63.844+/-119.126 χ^2/NDF: 32.6/46

All: 92.115+/-83.903 χ^2/NDF: 92.6/96

- sign 119.946+/-118.194 χ^2/NDF: 59.9/49

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.7/21

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 641.516+/-0.133 χ^2/NDF: 1908139.5/26

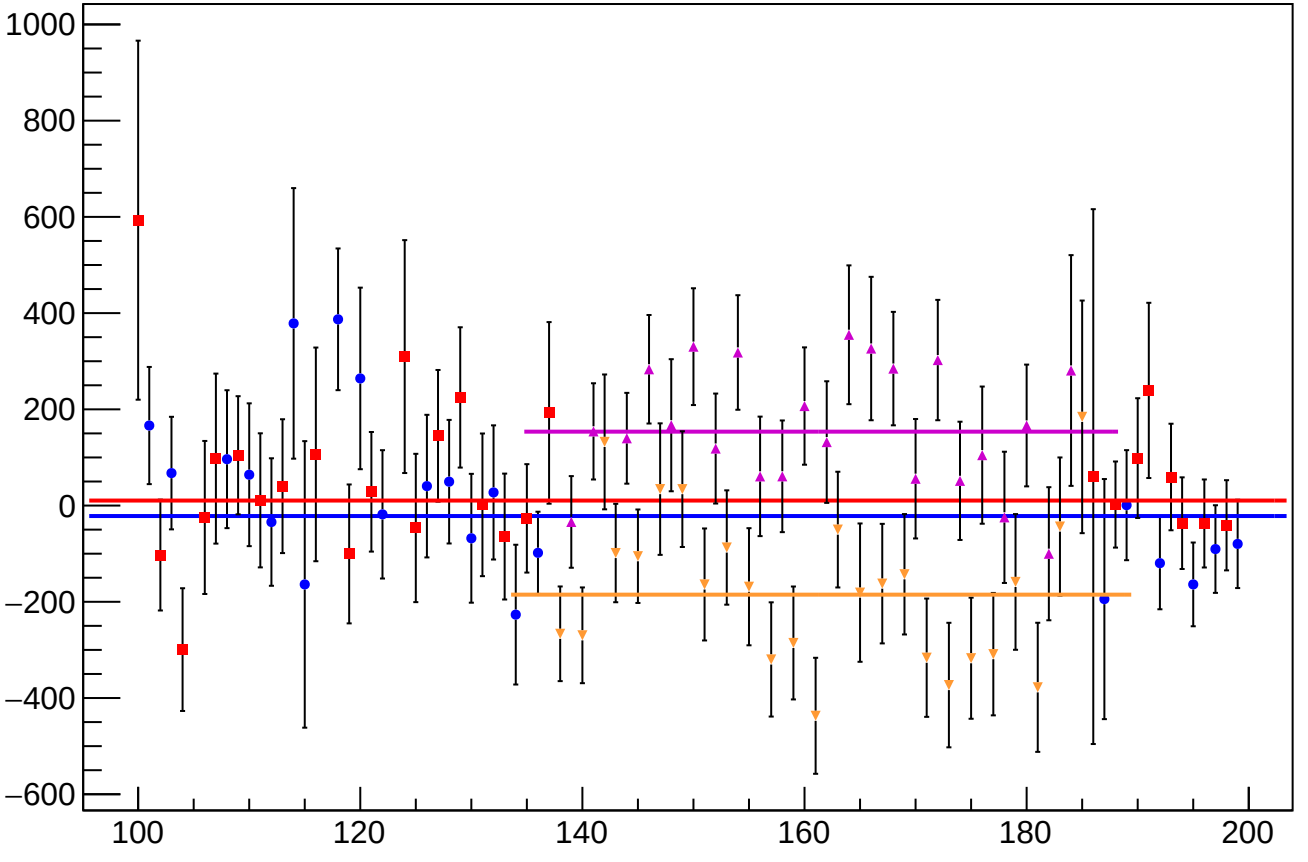
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 651.257+/-0.084 χ^2/NDF: 1468856.7/46

All: 647.127+/-0.059 χ^2/NDF: 3941111.4/96

- sign 643.060+/-0.084 χ^2/NDF: 2467483.1/49

cor_asym_sam_15_dd_mean vs Slug



Right In: -21.754+/-26.572 χ^2/NDF: 25.0/21

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 10.436+/-25.511 χ^2/NDF: 20.3/26

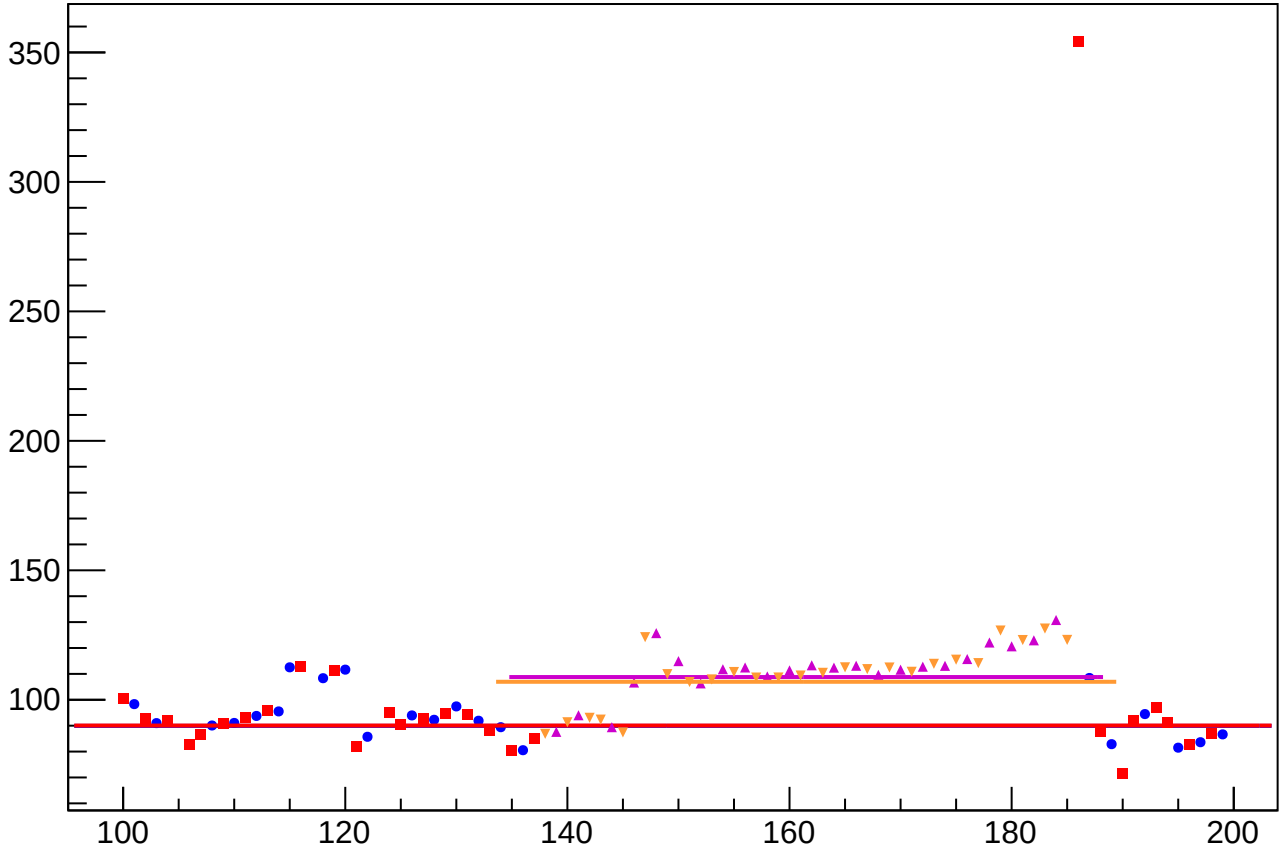
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -110.227+/-17.993 χ^2/NDF: 78.5/46

All: -14.429+/-12.743 χ^2/NDF: 194.9/96

- sign 81.958+/-18.048 χ^2/NDF: 59.6/49

cor_asym_sam_15_dd_rms vs Slug



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

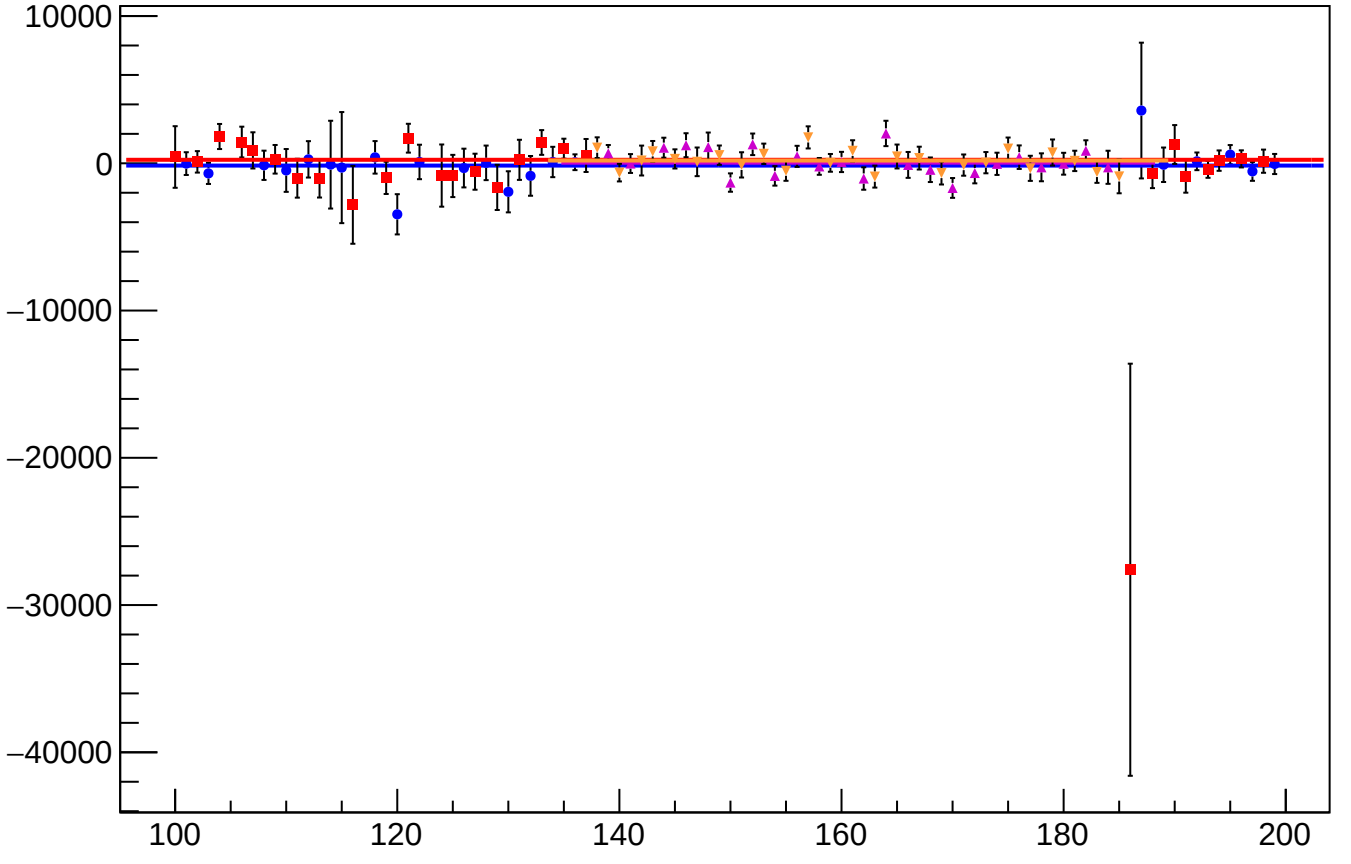
Right Out: 90.049+/-0.018 χ^2/NDF: 629066.3/26

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 99.145+/-0.013 χ^2/NDF: 1079787.4/46

All: 99.274+/-0.009 χ^2/NDF: 2606035.8/96

\- sign 99.405+/-0.013 χ^2/NDF: 1526039.5/49



Right In: -154.855+/-198.754 χ^2/NDF: 11.7/21

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 238.326+/-188.221 χ^2/NDF: 25.7/26

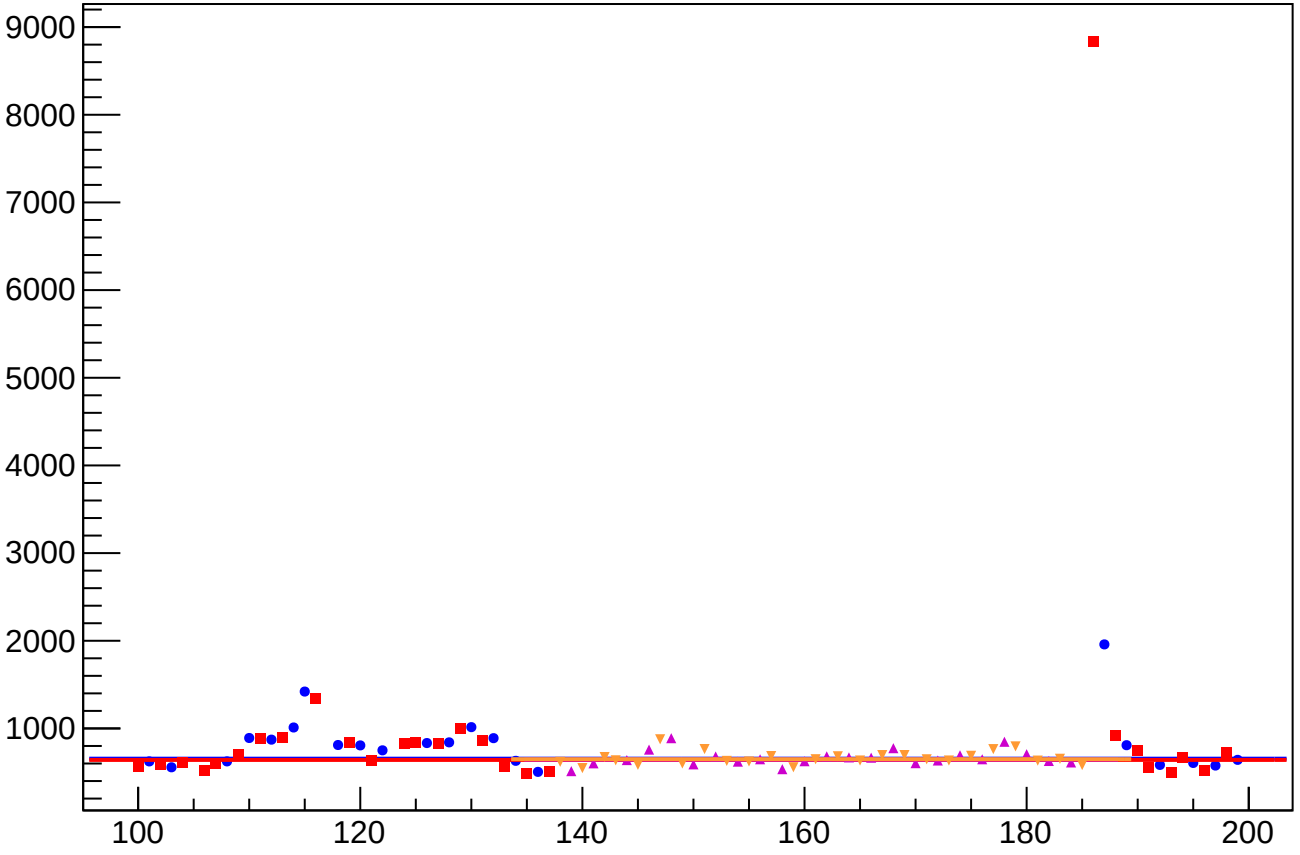
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 63.840+/-119.126 χ^2/NDF: 32.6/46

All: 92.266+/-83.935 χ^2/NDF: 92.9/96

- sign 120.290+/-118.282 χ^2/NDF: 60.1/49

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.9/21

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 640.954+/-0.133 χ^2/NDF: 1917112.1/26

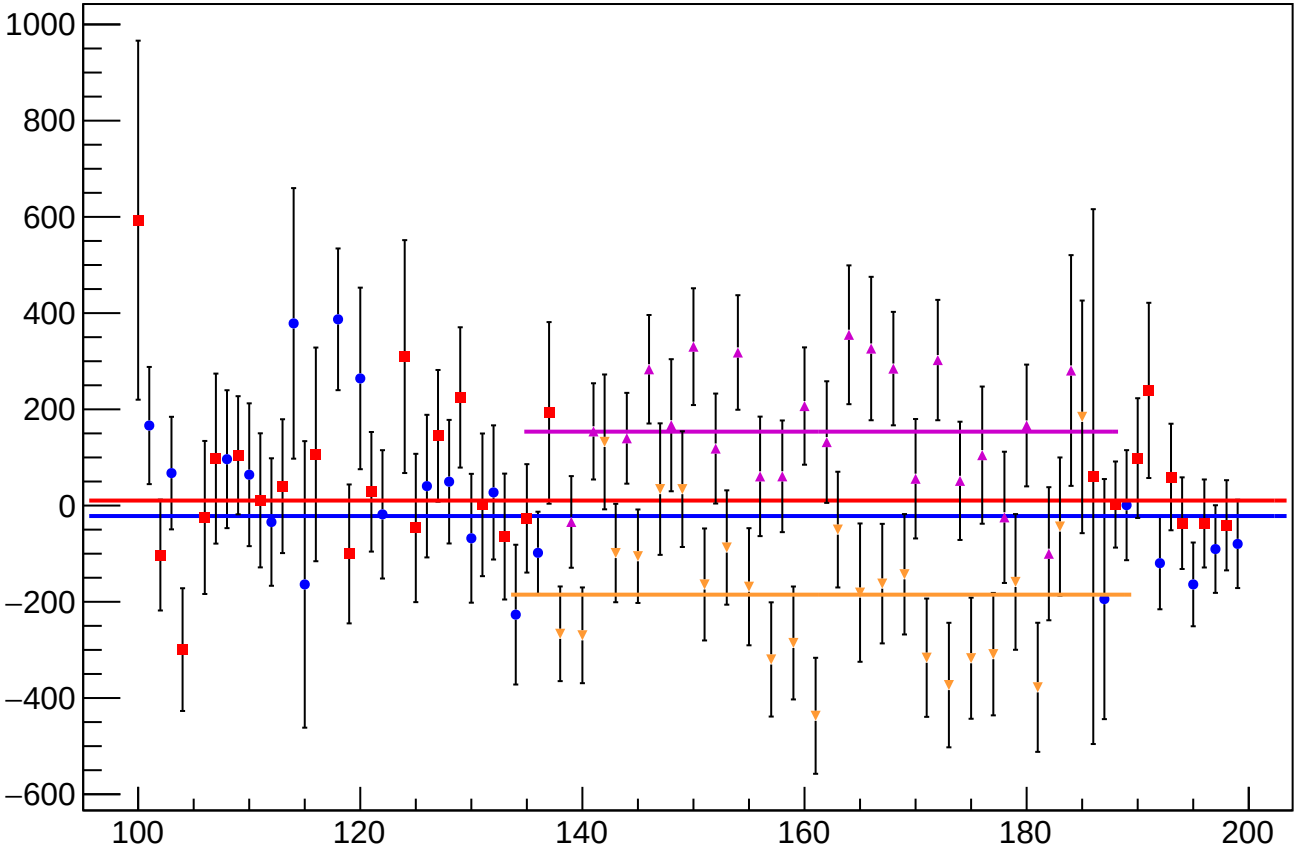
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 651.257+/-0.084 χ^2/NDF: 1468857.6/46

All: 647.019+/-0.059 χ^2/NDF: 3950450.2/96

- sign 642.841+/-0.084 χ^2/NDF: 2476565.3/49

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -21.754+/-26.572 χ^2/NDF: 25.0/21

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 10.436+/-25.511 χ^2/NDF: 20.3/26

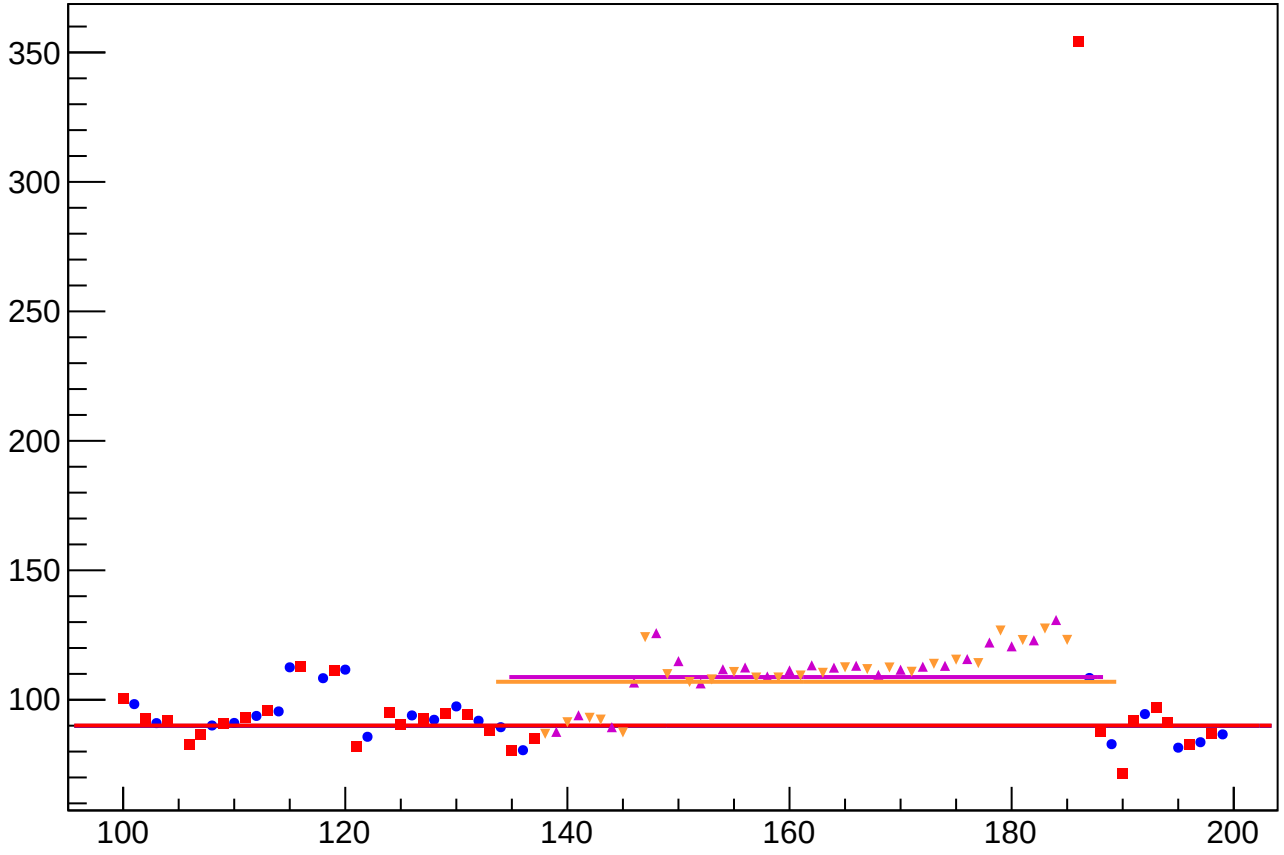
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -110.227+/-17.993 χ^2/NDF: 78.5/46

All: -14.429+/-12.743 χ^2/NDF: 194.9/96

- sign 81.958+/-18.048 χ^2/NDF: 59.6/49

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

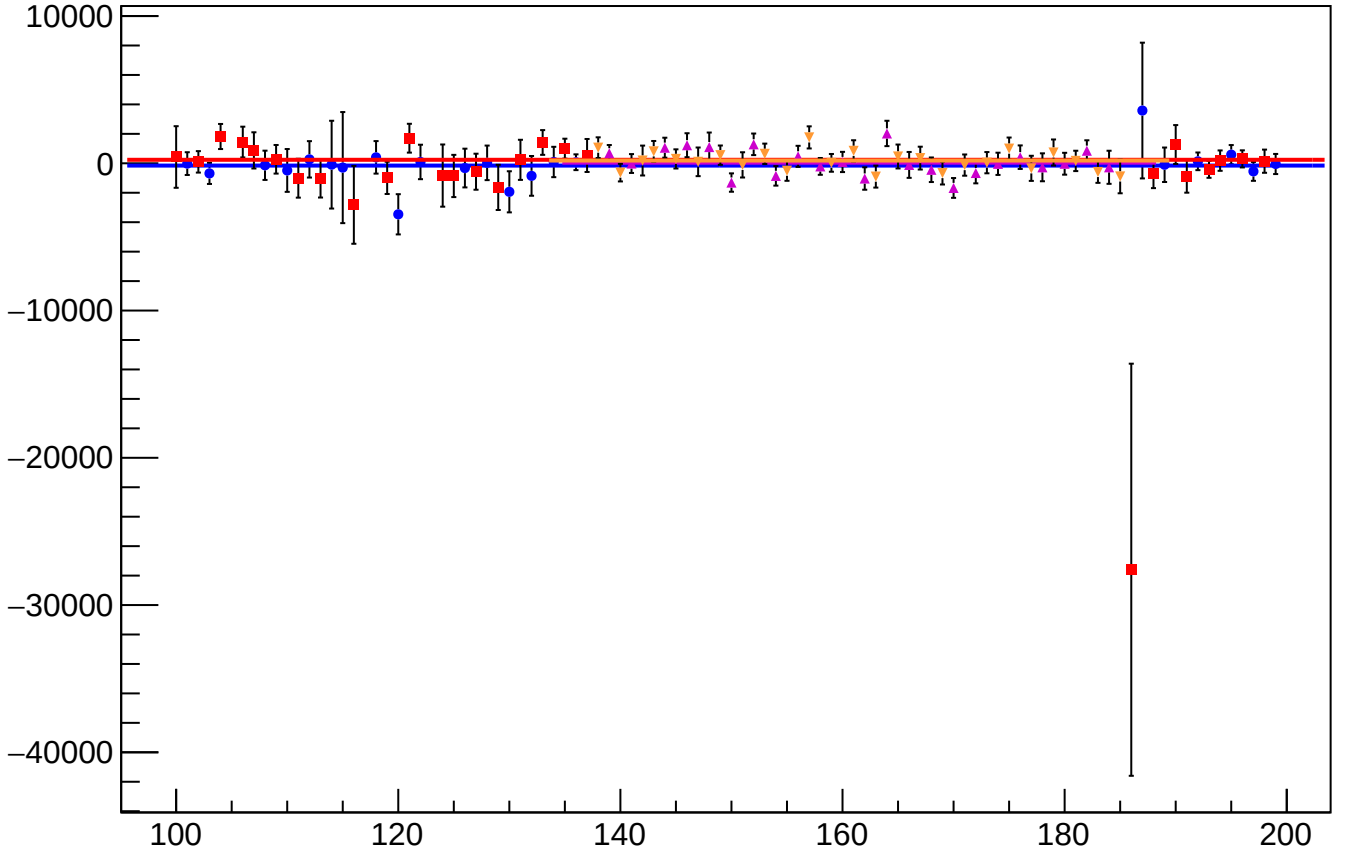
Right Out: 90.049+/-0.018 χ^2/NDF: 629066.3/26

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 99.145+/-0.013 χ^2/NDF: 1079787.4/46

All: 99.274+/-0.009 χ^2/NDF: 2606035.8/96

- sign 99.405+/-0.013 χ^2/NDF: 1526039.5/49



Right In: -154.855+/-198.754 χ^2/NDF: 11.7/21

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 238.326+/-188.221 χ^2/NDF: 25.7/26

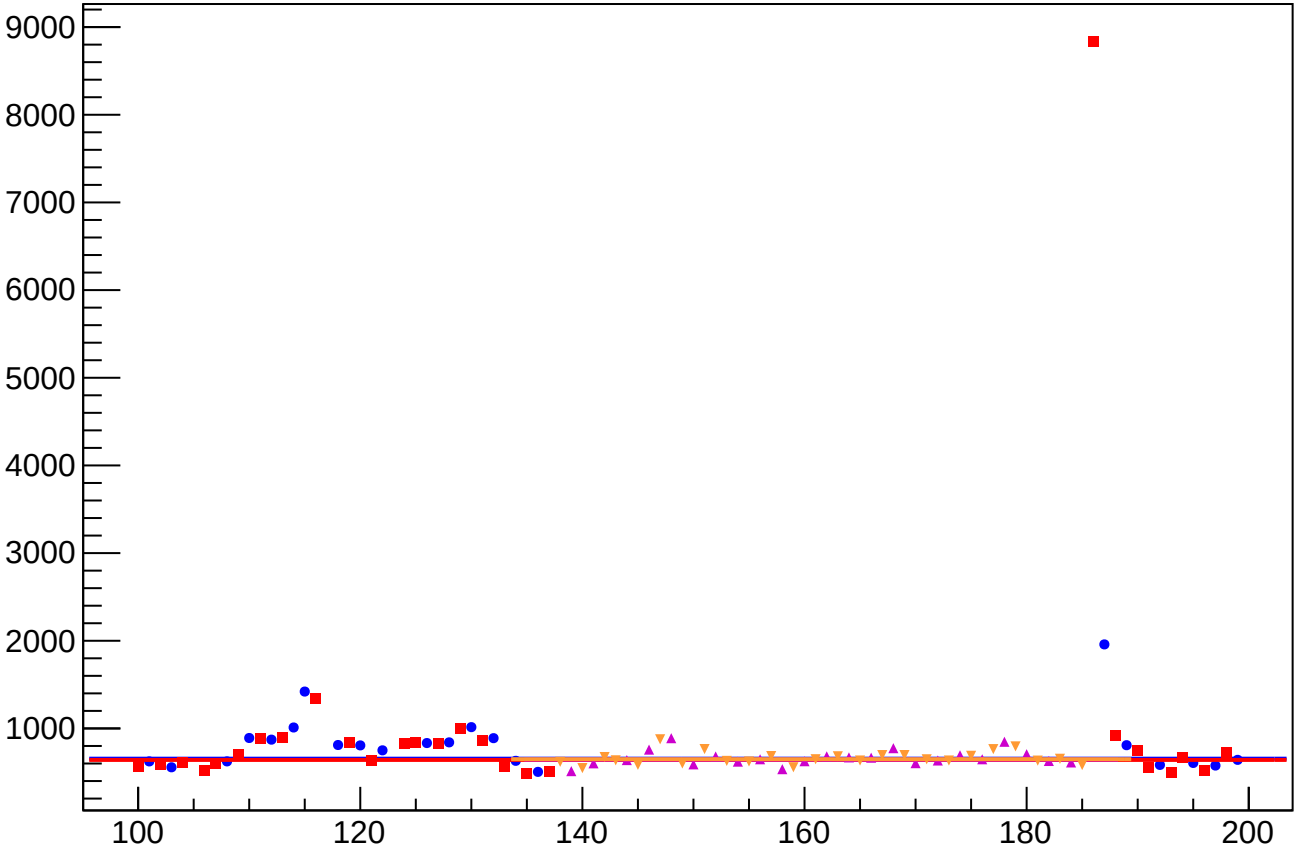
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 63.840+/-119.126 χ^2/NDF: 32.6/46

All: 92.266+/-83.935 χ^2/NDF: 92.9/96

- sign 120.290+/-118.282 χ^2/NDF: 60.1/49

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.9/21

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 640.954+/-0.133 χ^2/NDF: 1917112.1/26

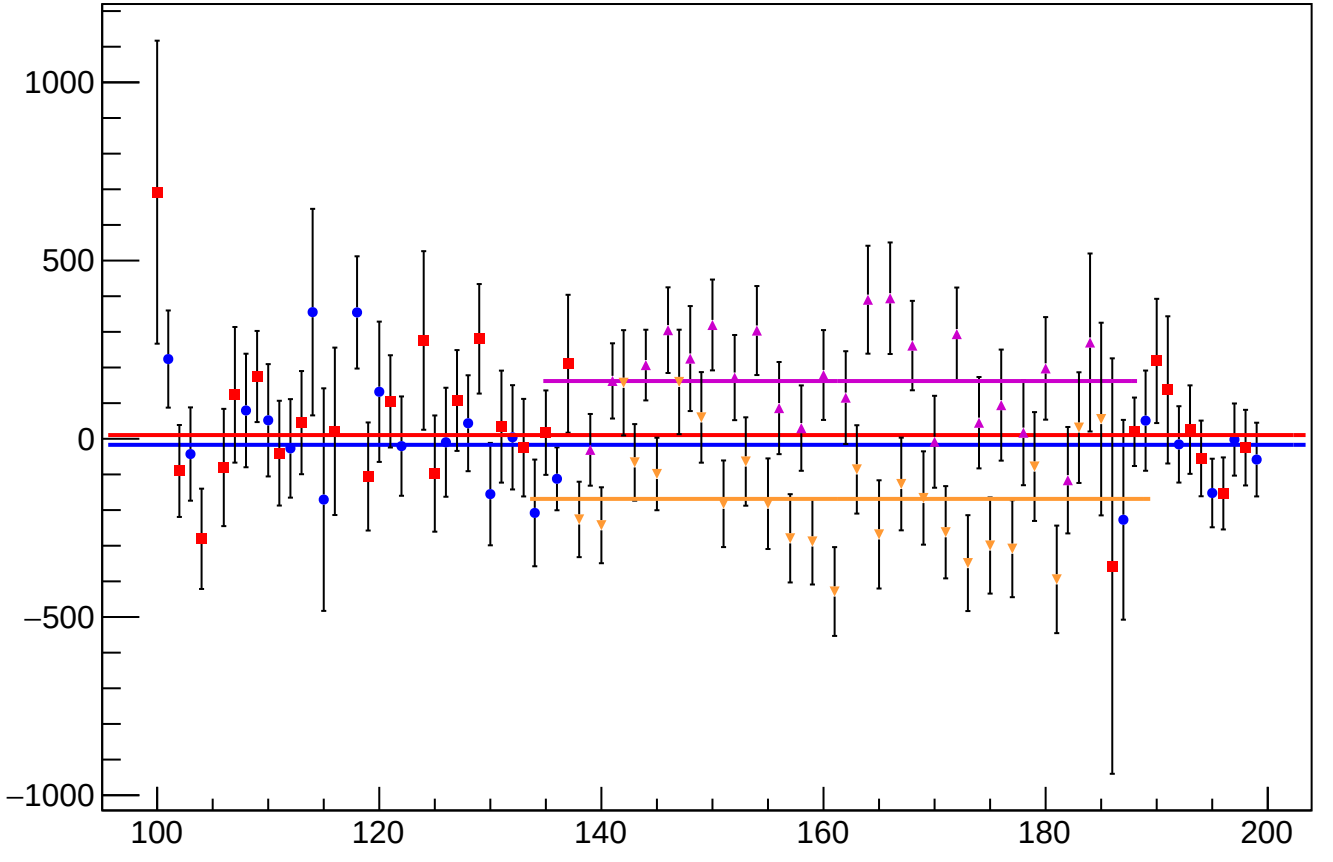
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 651.257+/-0.084 χ^2/NDF: 1468857.6/46

All: 647.019+/-0.059 χ^2/NDF: 3950450.2/96

- sign 642.841+/-0.084 χ^2/NDF: 2476565.3/49

dit_asym_sam_15_dd_mean vs Slug



Right In: -16.932+/-28.868 χ^2/NDF: 18.6/21

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 10.464+/-27.700 χ^2/NDF: 22.7/26

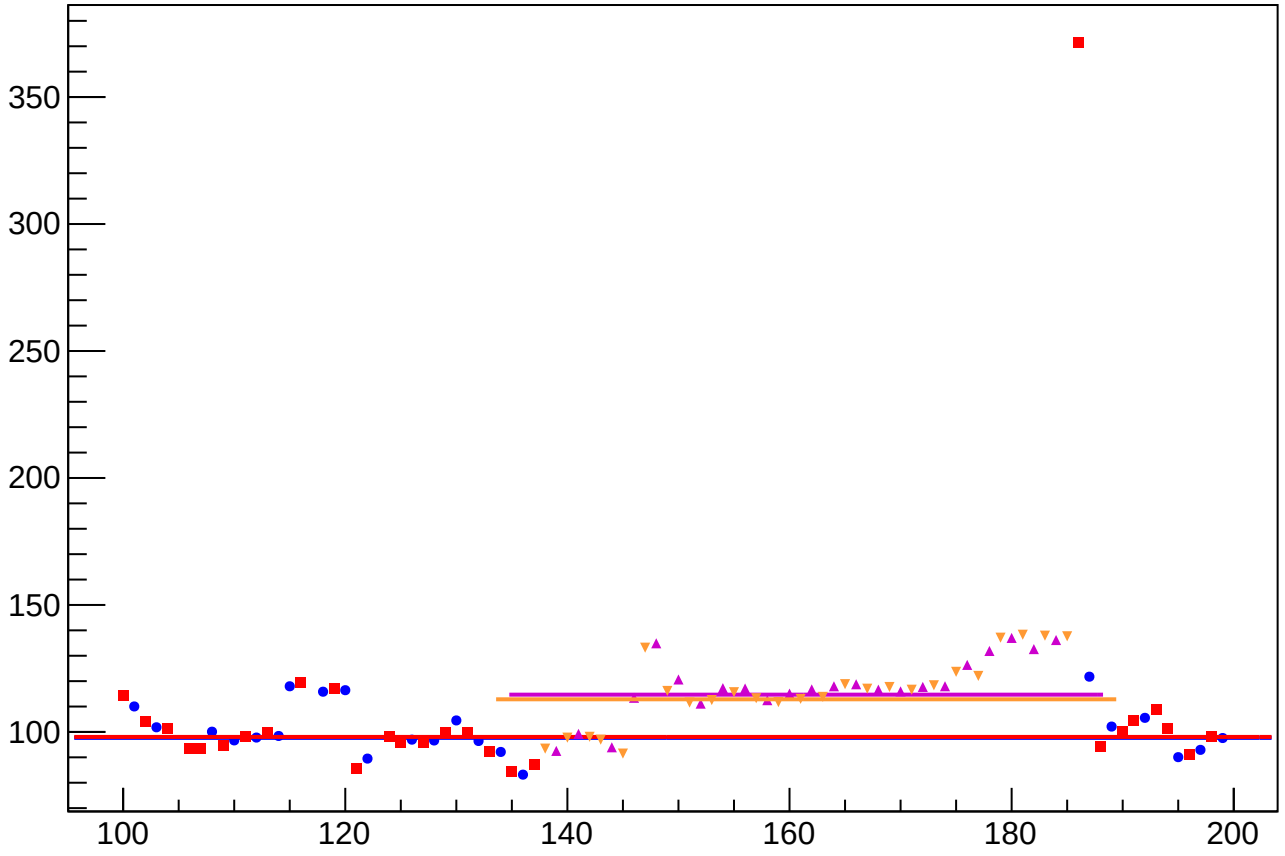
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -101.214+/-19.245 χ^2/NDF: 66.4/46

All: -6.787+/-13.633 χ^2/NDF: 176.3/96

- sign 88.332+/-19.315 χ^2/NDF: 61.7/49

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.665+/-0.020 χ^2/NDF: 185115.0/21

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.034+/-0.020 χ^2/NDF: 588609.4/26

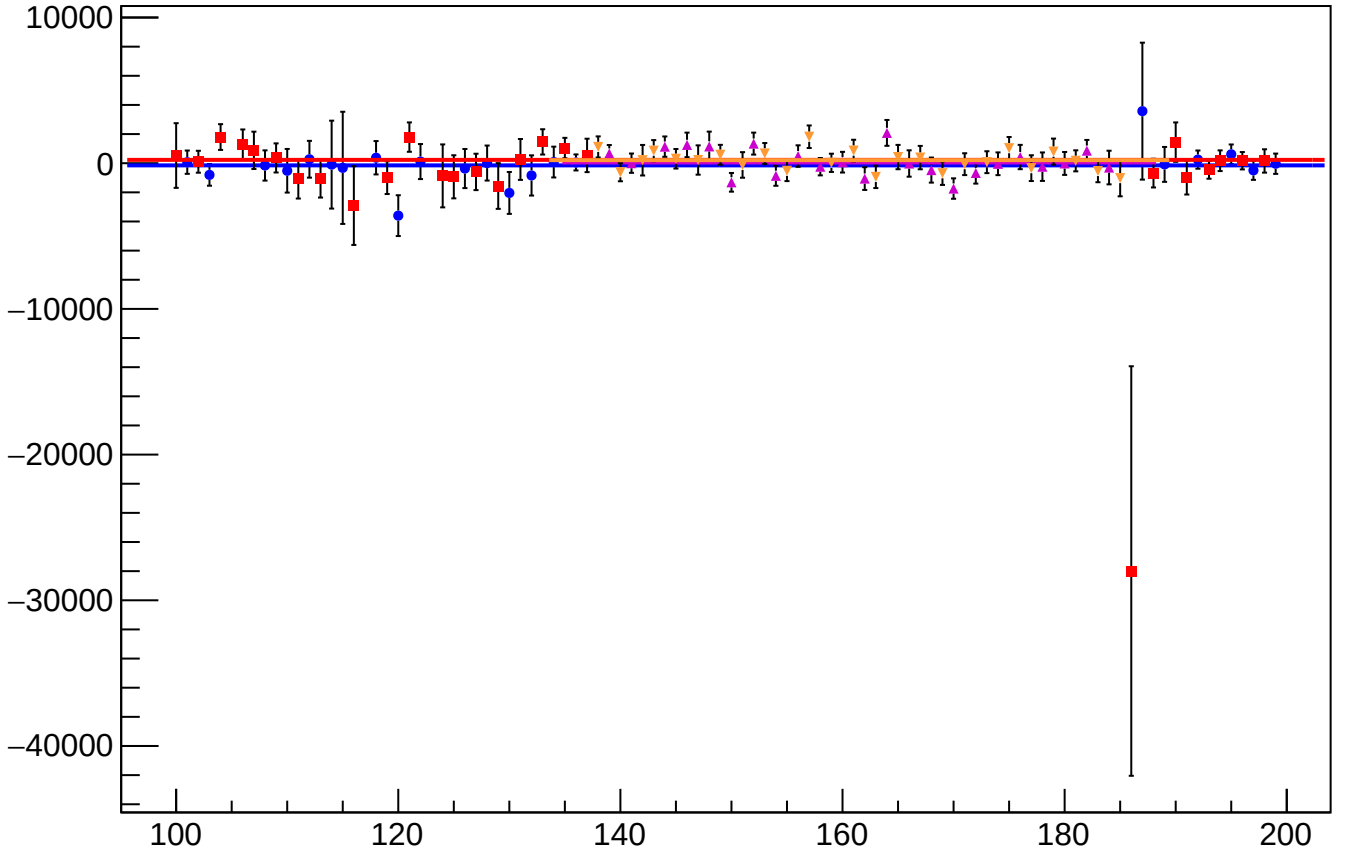
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 106.101+/-0.014 χ^2/NDF: 1004808.7/46

All: 106.342+/-0.010 χ^2/NDF: 2374929.7/96

- sign 106.585+/-0.014 χ^2/NDF: 1369492.2/49

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -148.684+/-204.590 χ^2/NDF: 12.2/21

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 229.374+/-193.937 χ^2/NDF: 25.4/26

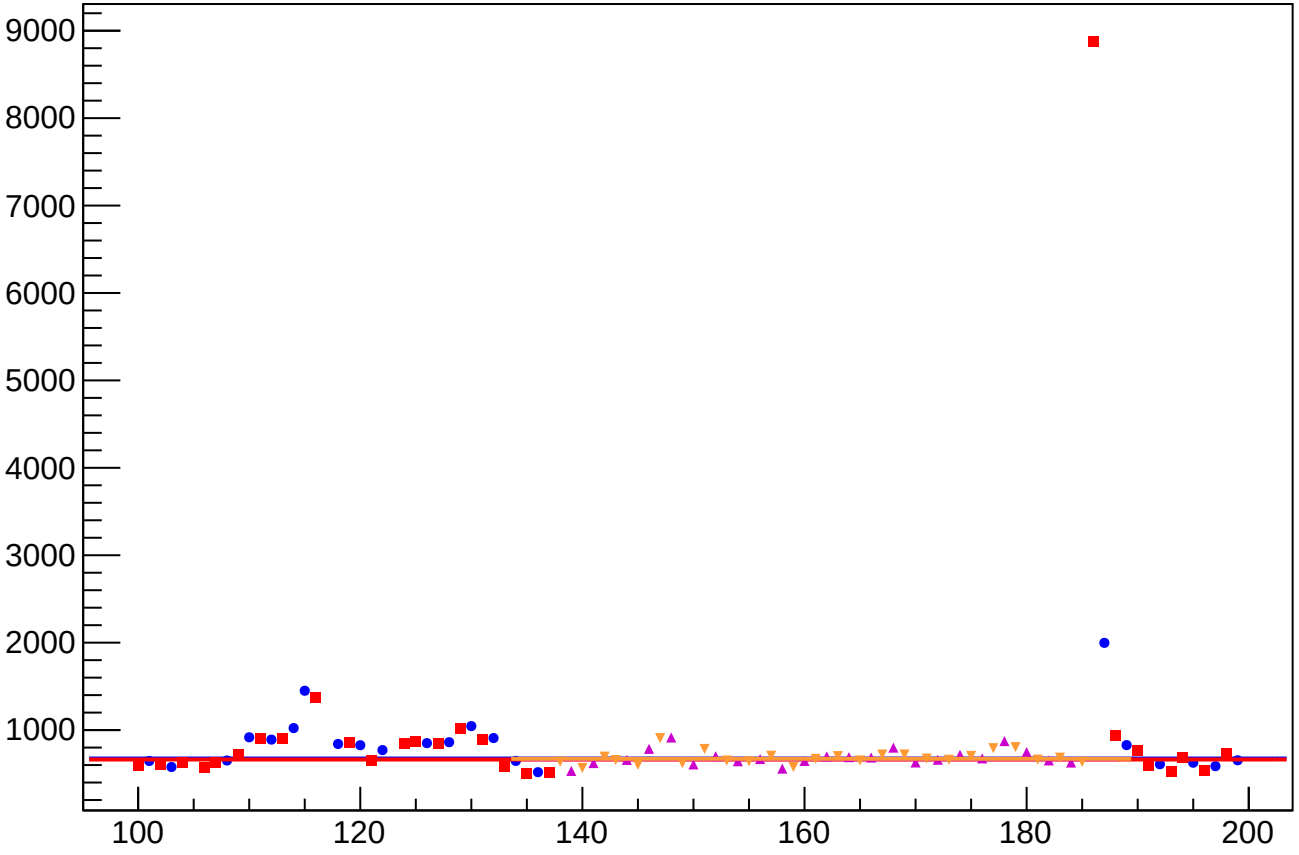
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 79.956+/-123.001 χ^2/NDF: 33.0/46

All: 100.824+/-86.709 χ^2/NDF: 92.3/96

- sign 121.440+/-122.254 χ^2/NDF: 59.2/49

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 674.739+/-0.145 χ^2/NDF: 1032285.6/21

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 663.449+/-0.137 χ^2/NDF: 1844559.6/26

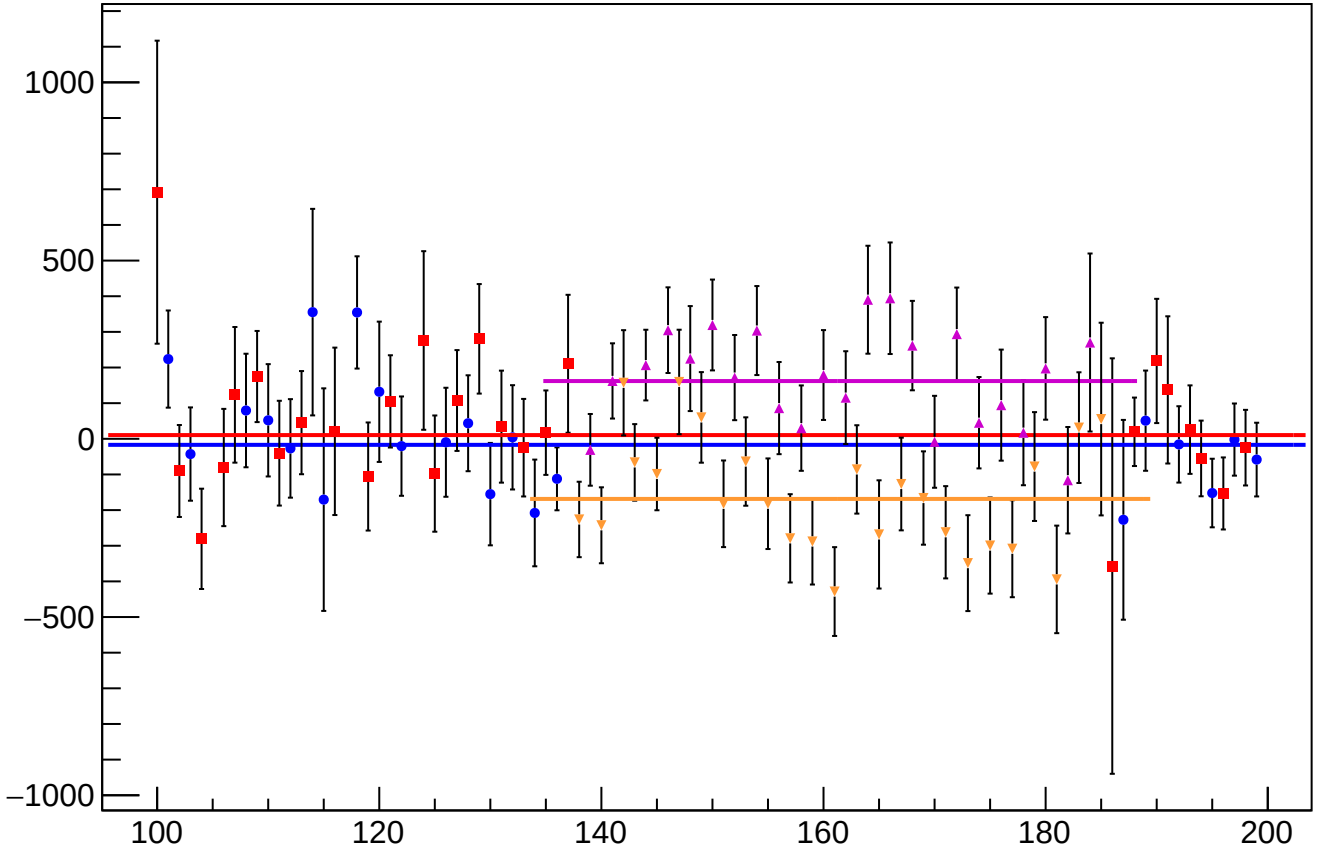
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 672.893+/-0.087 χ^2/NDF: 1431700.3/46

All: 669.322+/-0.061 χ^2/NDF: 3826999.9/96

- sign 665.795+/-0.086 χ^2/NDF: 2391948.7/49

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -16.932+/-28.868 χ^2/NDF: 18.6/21

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 10.464+/-27.700 χ^2/NDF: 22.7/26

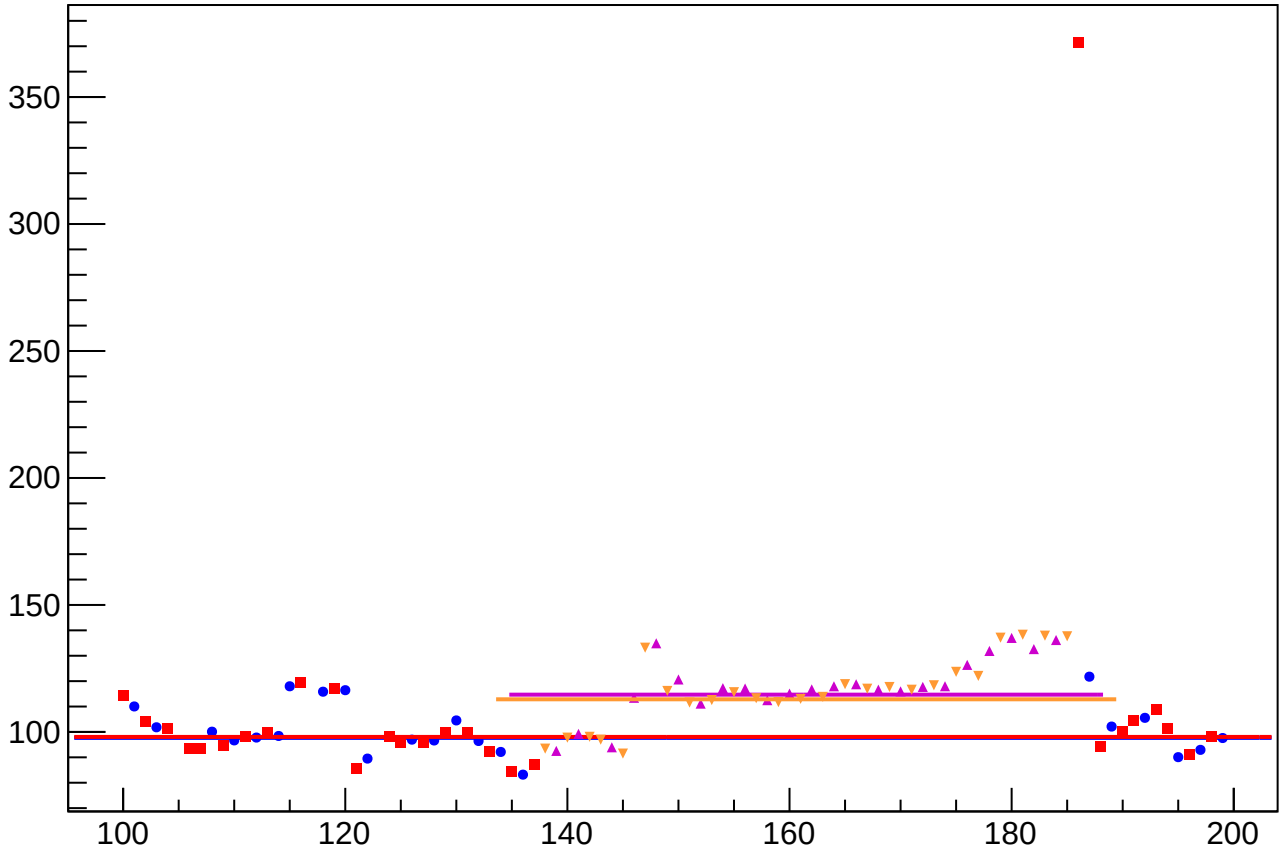
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -101.214+/-19.245 χ^2/NDF: 66.4/46

All: -6.787+/-13.633 χ^2/NDF: 176.3/96

- sign 88.332+/-19.315 χ^2/NDF: 61.7/49

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.665+/-0.020 χ^2/NDF: 185118.5/21

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

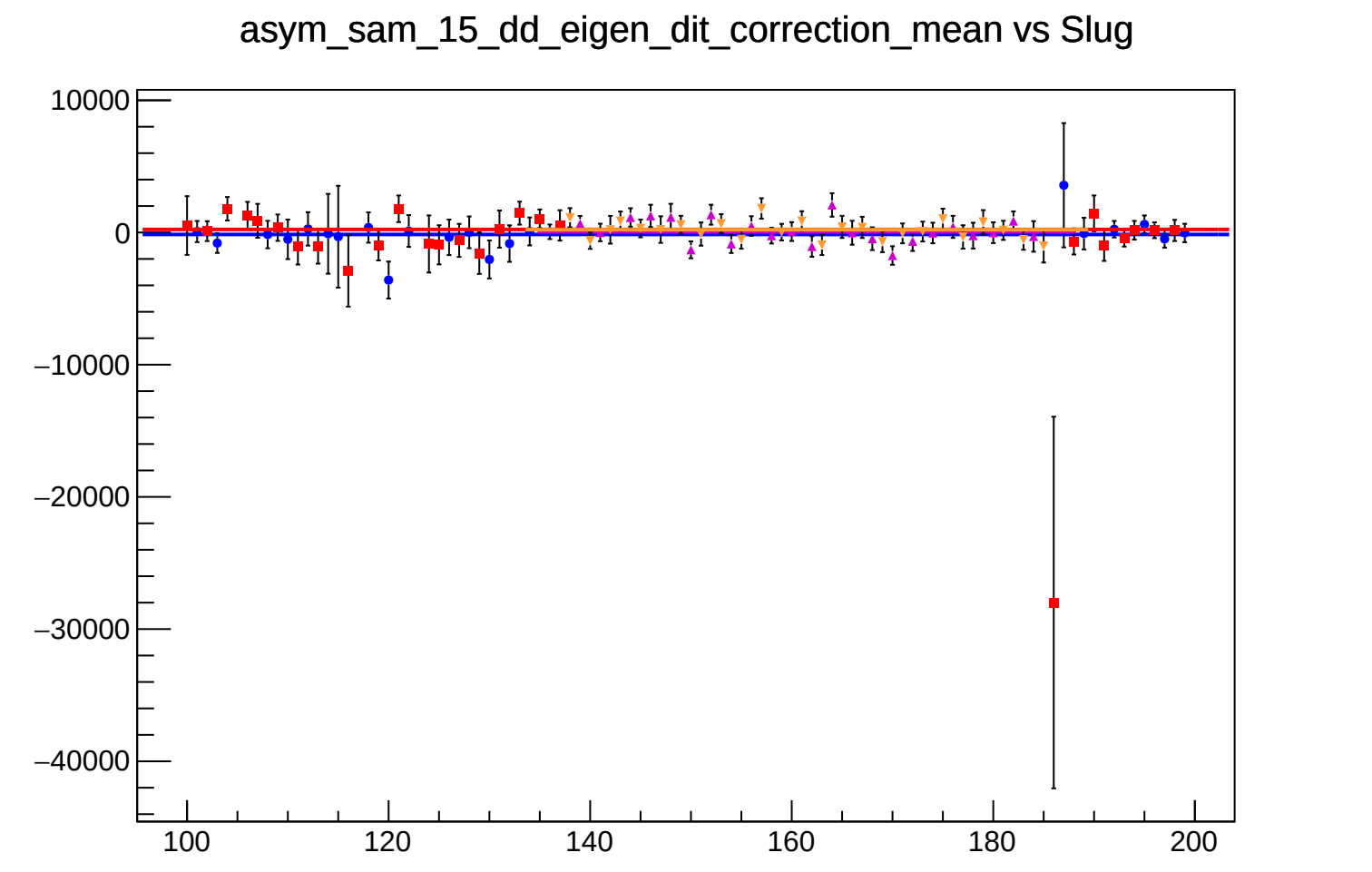
Right Out: 98.034+/-0.020 χ^2/NDF: 588608.2/26

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 106.101+/-0.014 χ^2/NDF: 1004813.2/46

All: 106.342+/-0.010 χ^2/NDF: 2374940.5/96

- sign 106.584+/-0.014 χ^2/NDF: 1369498.5/49



Right In: -148.684+/-204.590 χ^2/NDF: 12.2/21

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 229.374+/-193.936 χ^2/NDF: 25.4/26

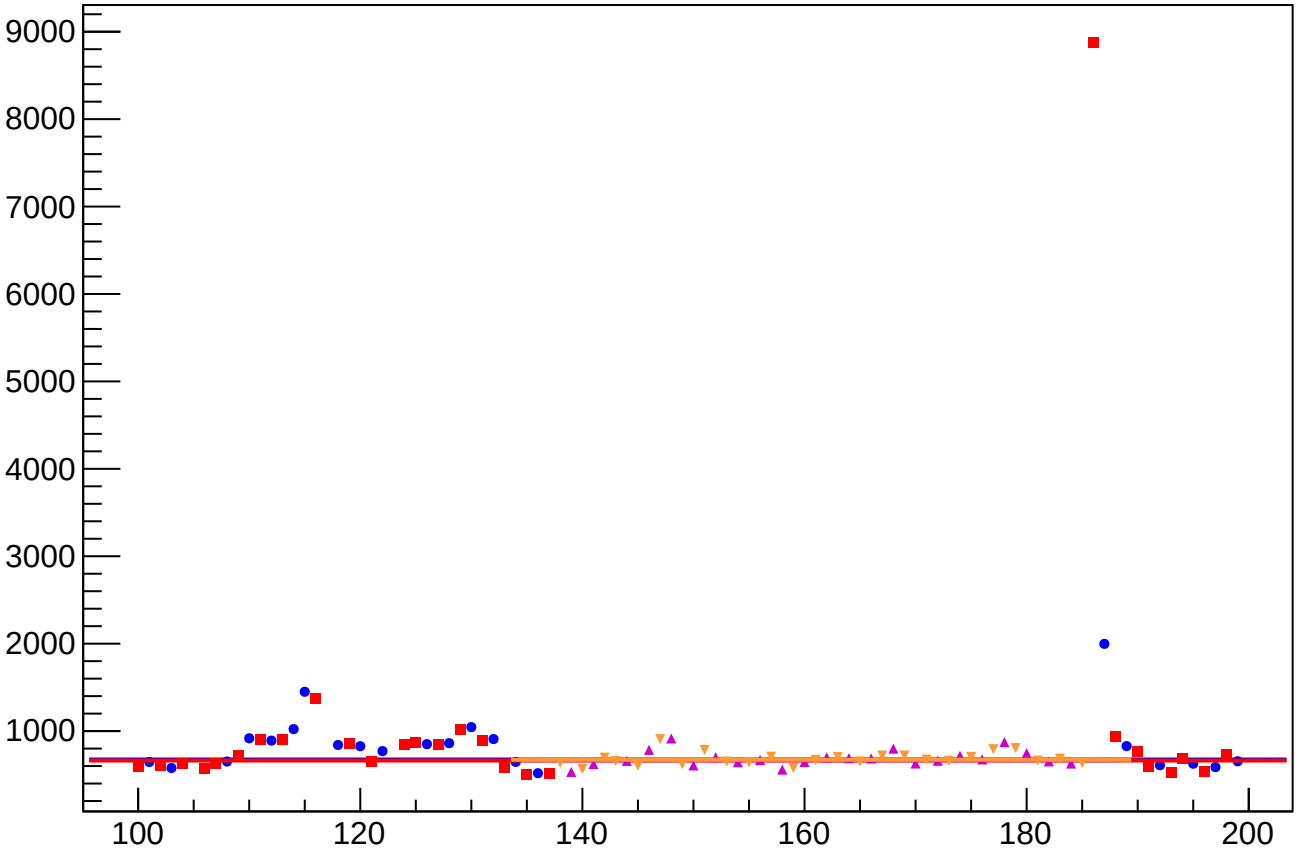
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

\+ sign 79.956+/-123.001 χ^2/NDF: 33.0/46

All: 100.824+/-86.709 χ^2/NDF: 92.3/96

\- sign 121.440+/-122.254 χ^2/NDF: 59.2/49

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 674.738+/-0.145 χ^2/NDF: 1032287.5/21

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 663.448+/-0.137 χ^2/NDF: 1844564.2/26

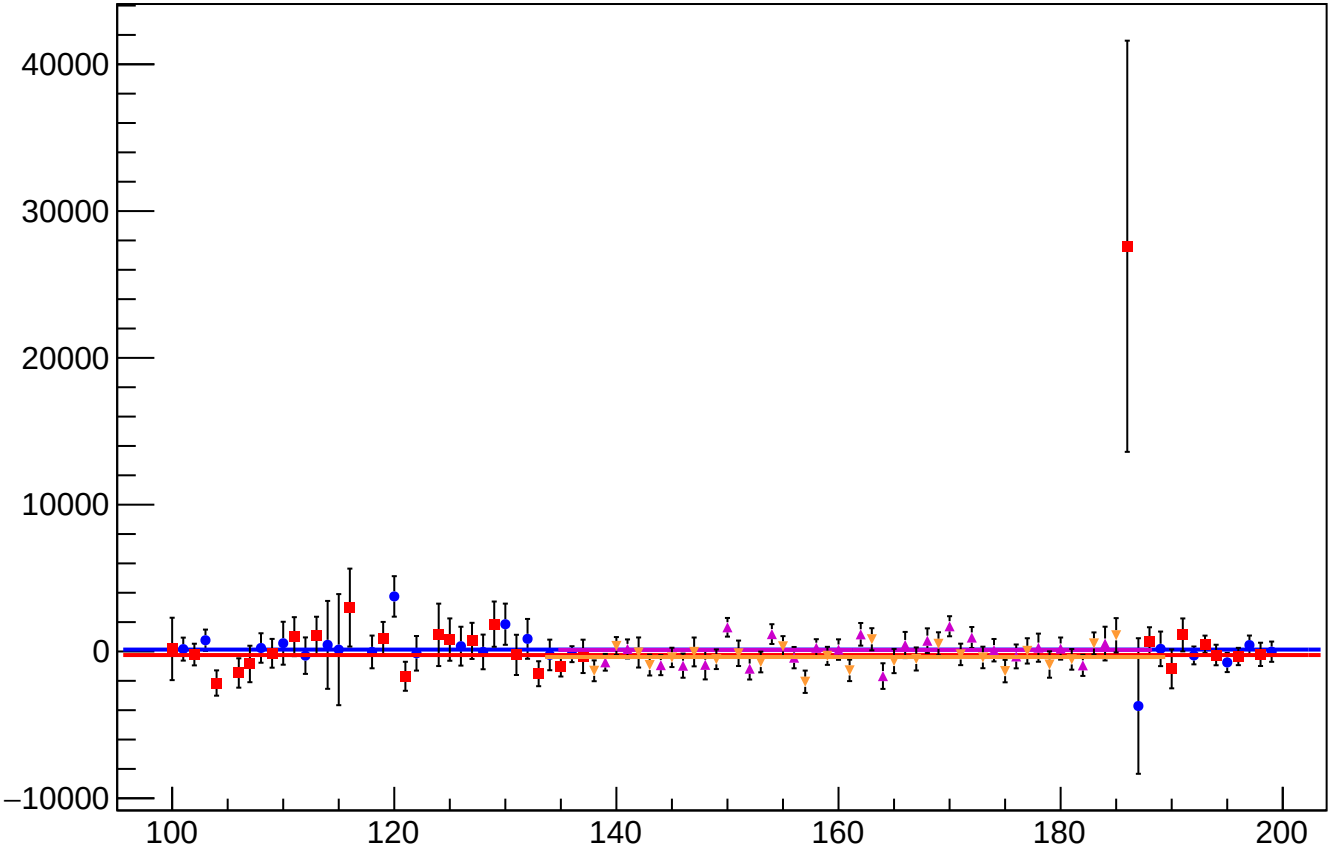
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 672.893+/-0.087 χ^2/NDF: 1431702.4/46

All: 669.322+/-0.061 χ^2/NDF: 3827009.1/96

- sign 665.795+/-0.086 χ^2/NDF: 2391955.8/49

asym_sam_15_dd_mean vs Slug



Right In: 128.885+/-200.827 χ^2/NDF: 13.4/21

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -243.850+/-189.989 χ^2/NDF: 28.7/26

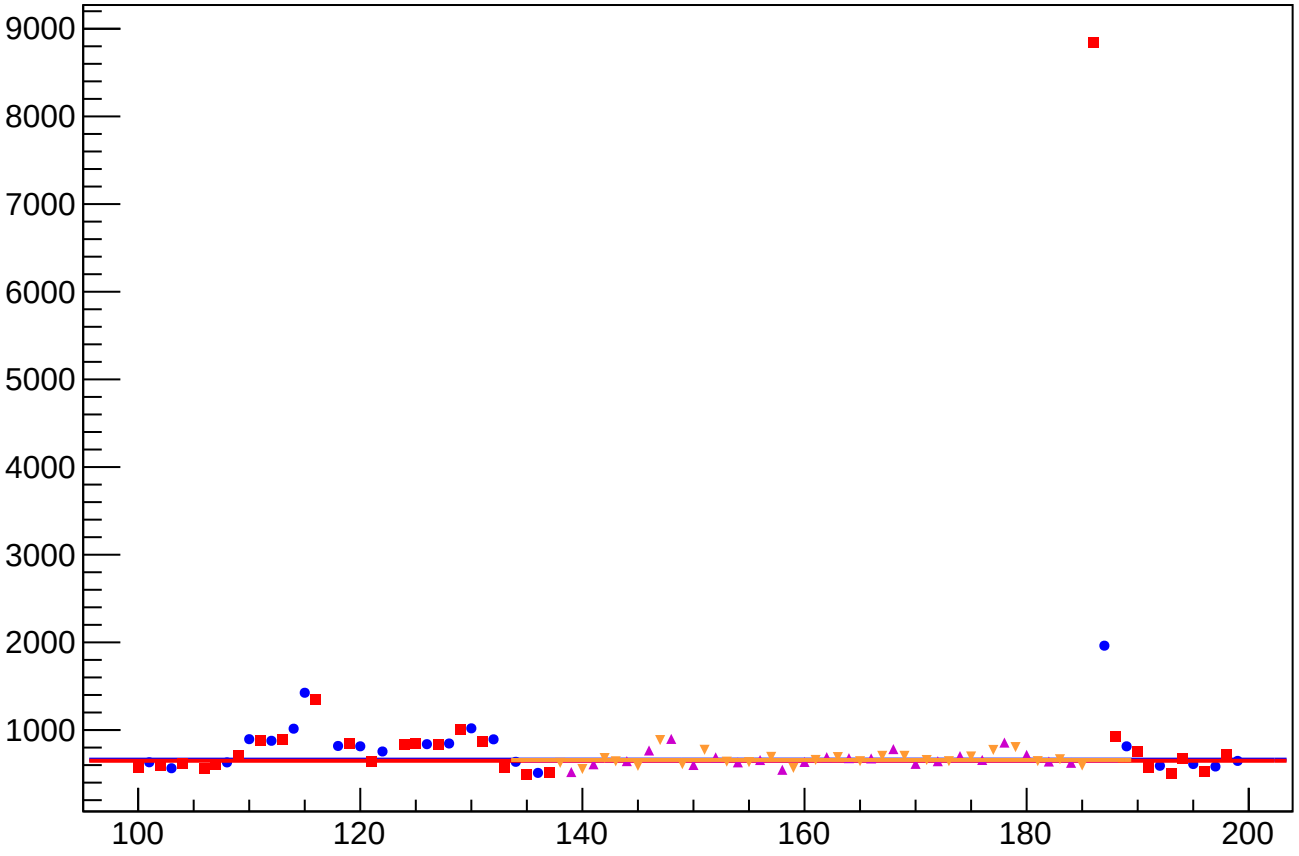
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -194.510+/-120.666 χ^2/NDF: 38.9/46

All: -114.022+/-85.013 χ^2/NDF: 106.0/96

- sign -34.697+/-119.791 χ^2/NDF: 66.3/49

asym_sam_15_dd_rms vs Slug



Right In: 662.248+/-0.142 χ^2/NDF: 1026378.6/21

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

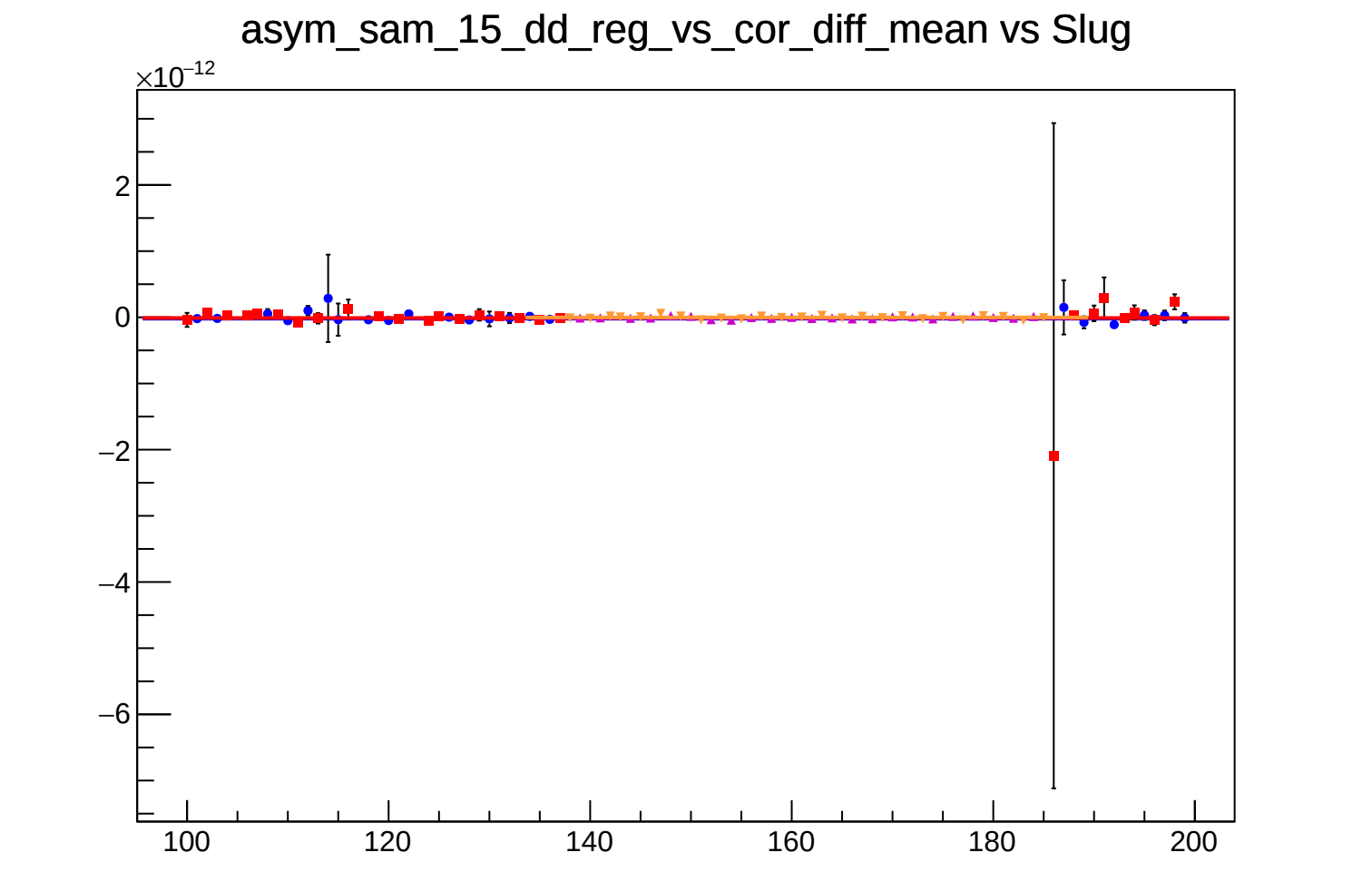
Right Out: 649.448+/-0.134 χ^2/NDF: 1871053.2/26

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 659.963+/-0.085 χ^2/NDF: 1436468.2/46

All: 656.033+/-0.060 χ^2/NDF: 3854488.0/96

- sign 652.160+/-0.085 χ^2/NDF: 2413807.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.5/26

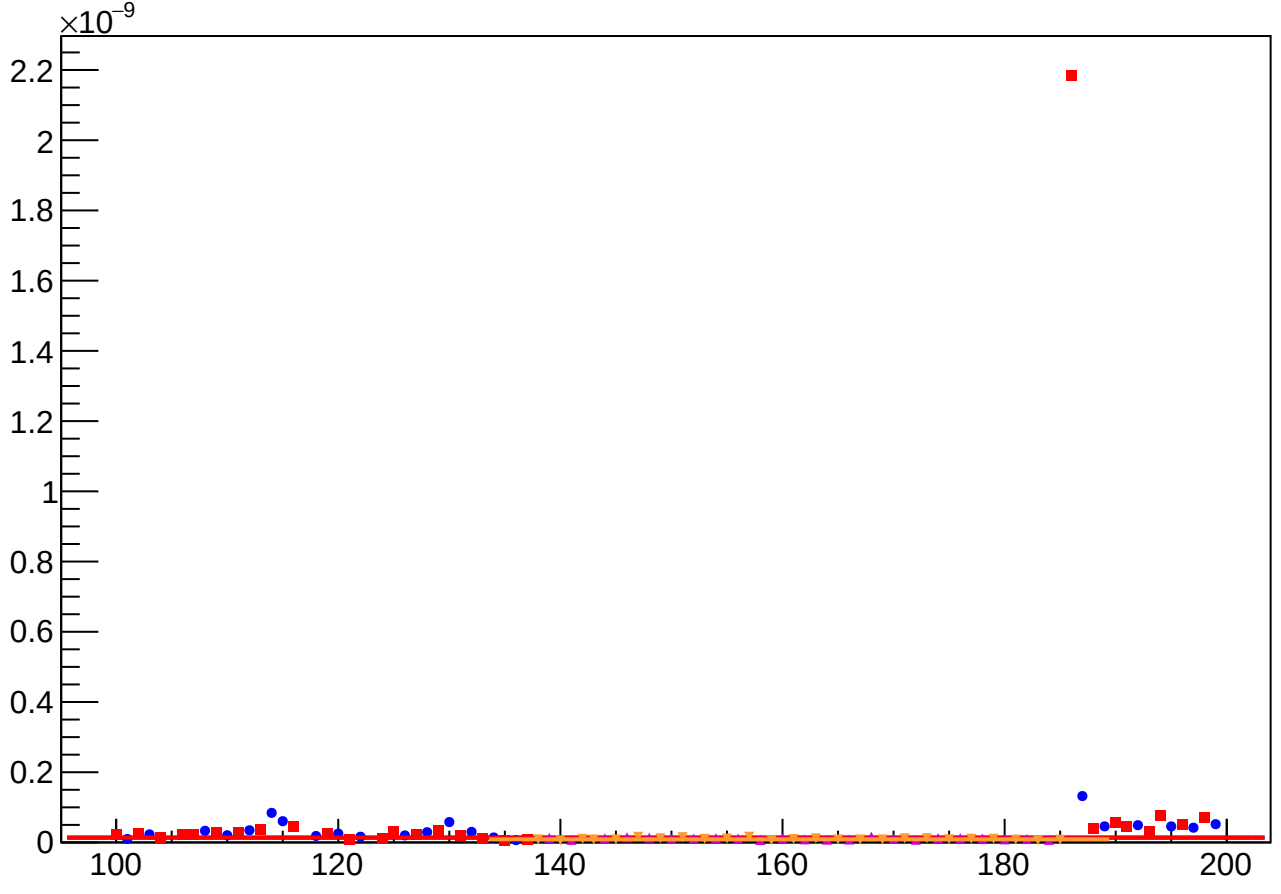
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/46

All: -0.000+/-0.000 χ^2/NDF: 90.8/96

- sign -0.000+/-0.000 χ^2/NDF: 40.1/49

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4520522.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5237582.9/26

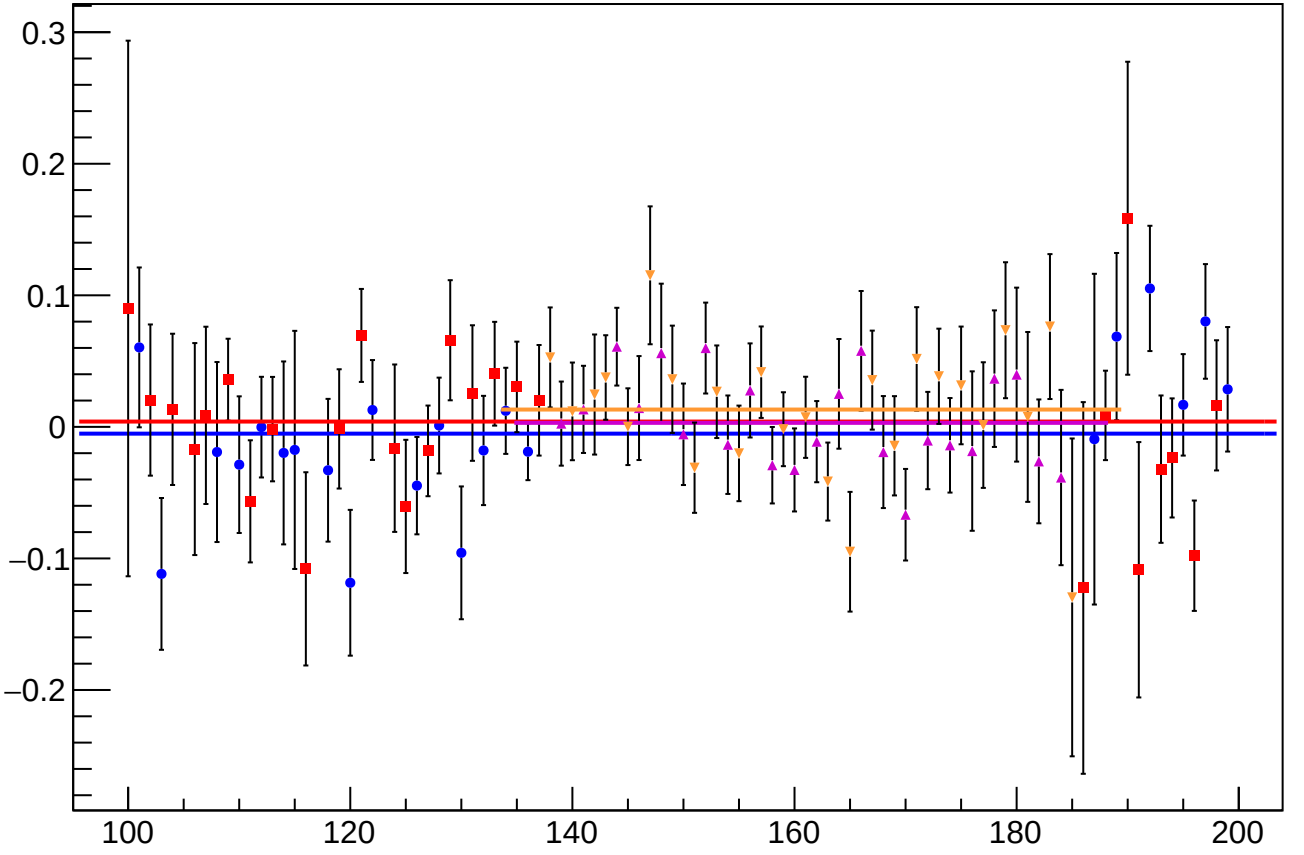
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6195539.3/46

All: 0.000+/-0.000 χ^2/NDF: 12628950.6/96

- sign 0.000+/-0.000 χ^2/NDF: 6294630.0/49

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.004+/-0.009 χ^2/NDF: 25.3/26

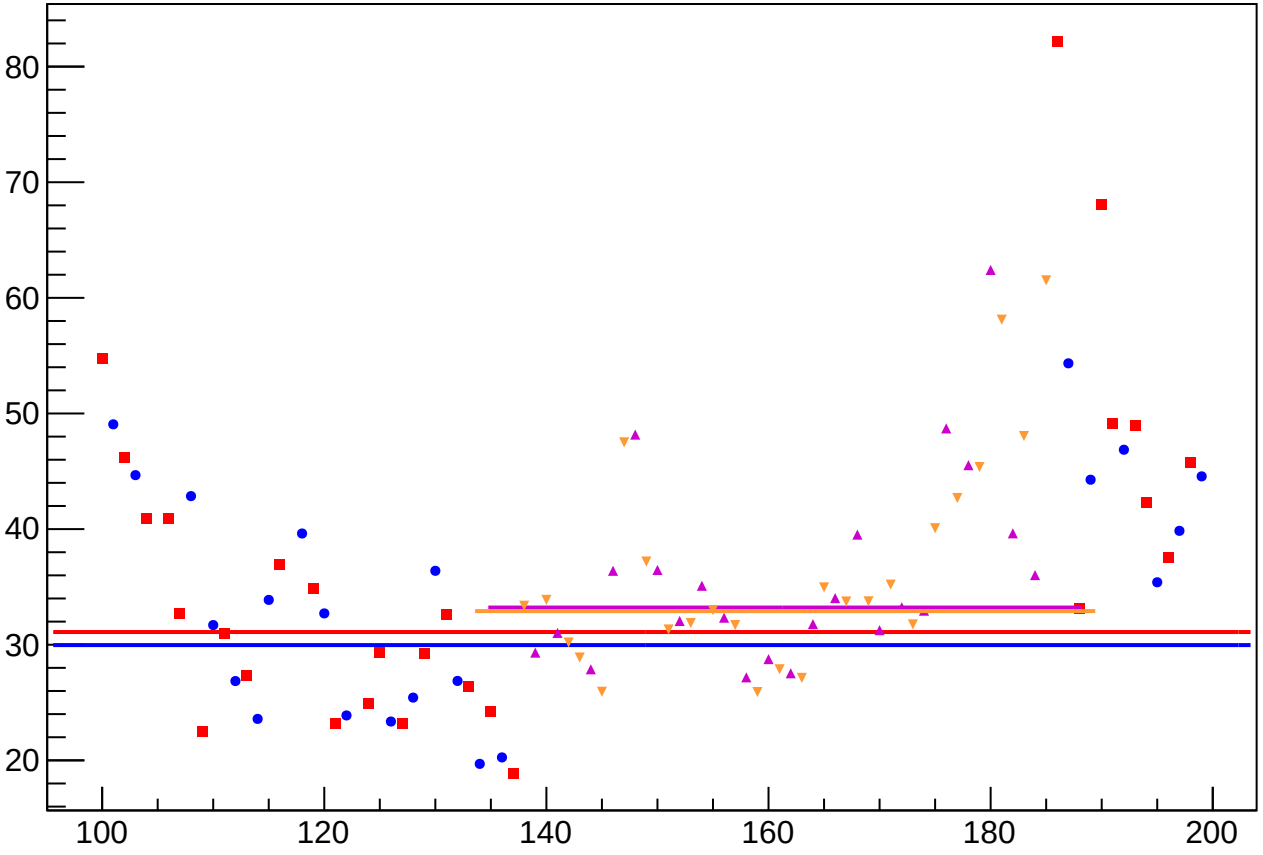
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 53.8/46

All: 0.005+/-0.004 χ^2/NDF: 98.3/96

- sign 0.003+/-0.006 χ^2/NDF: 44.5/49

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.968+/-0.007 χ^2/NDF: 2053662.0/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

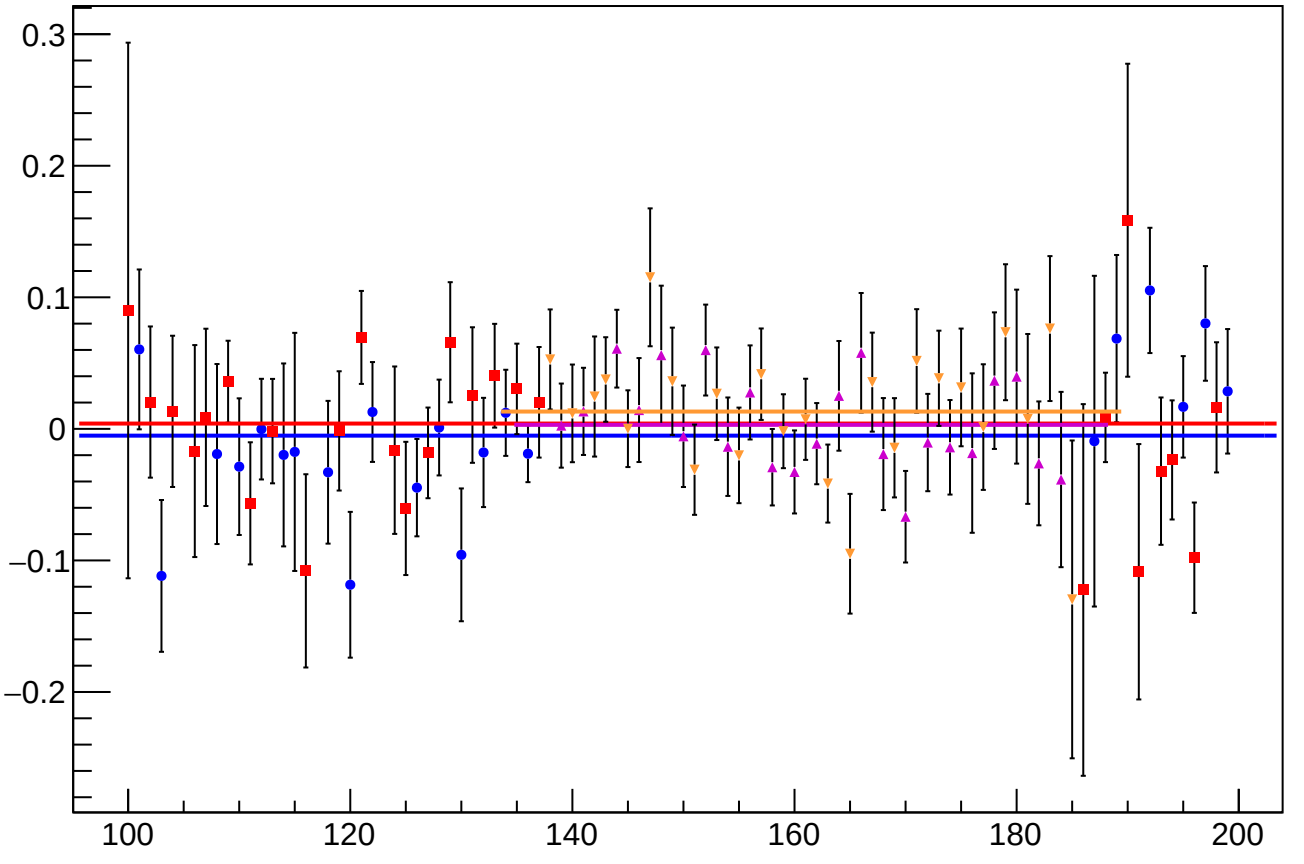
Right Out: 31.099+/-0.006 χ^2/NDF: 2037854.5/26

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.723+/-0.004 χ^2/NDF: 3599685.5/46

All: 32.011+/-0.003 χ^2/NDF: 6929338.5/96

\- sign 32.307+/-0.004 χ^2/NDF: 3320083.3/49



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

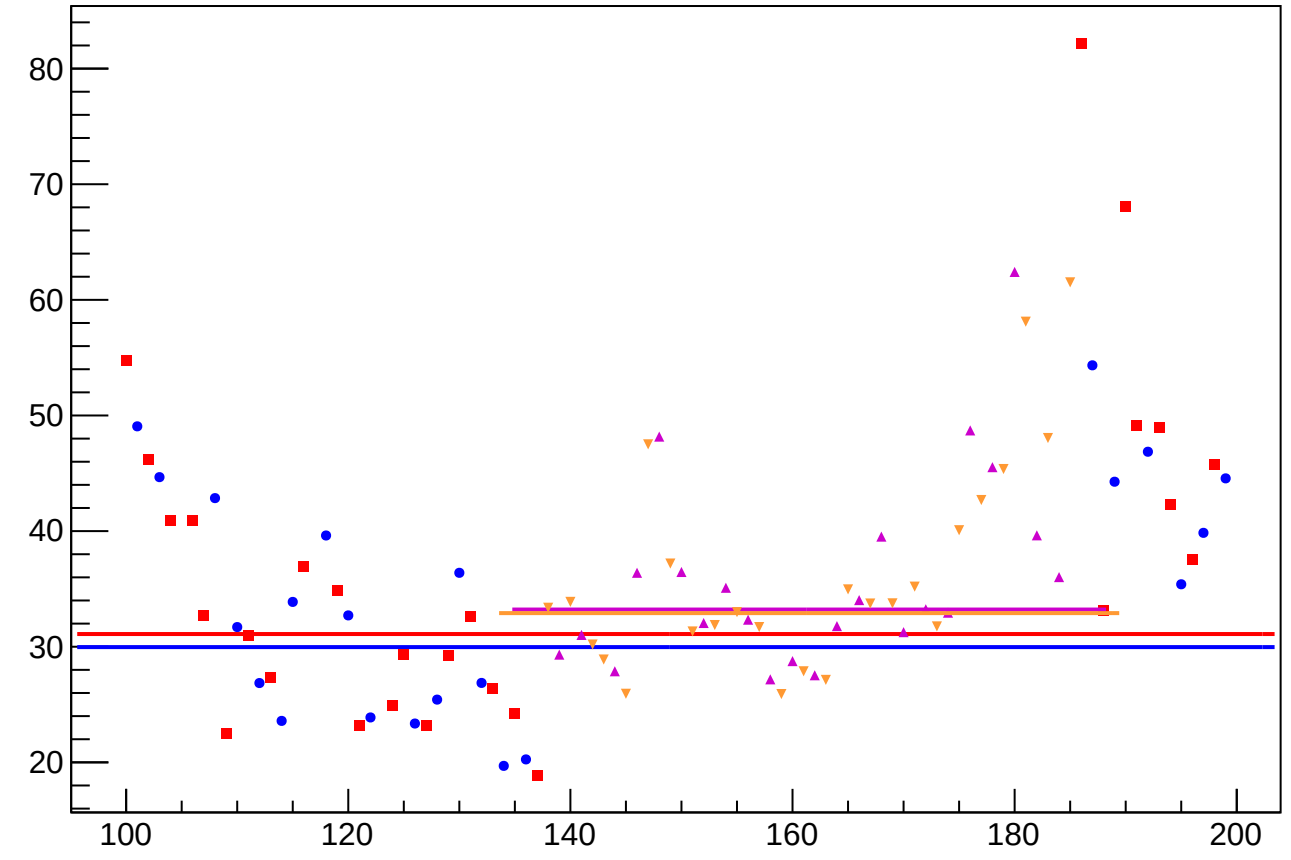
Right Out: 0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 53.8/46

All: 0.005+/-0.004 χ^2/NDF: 98.3/96

- sign 0.003+/-0.006 χ^2/NDF: 44.5/49



Right In: 29.968+/-0.007 χ^2/NDF: 2053662.0/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

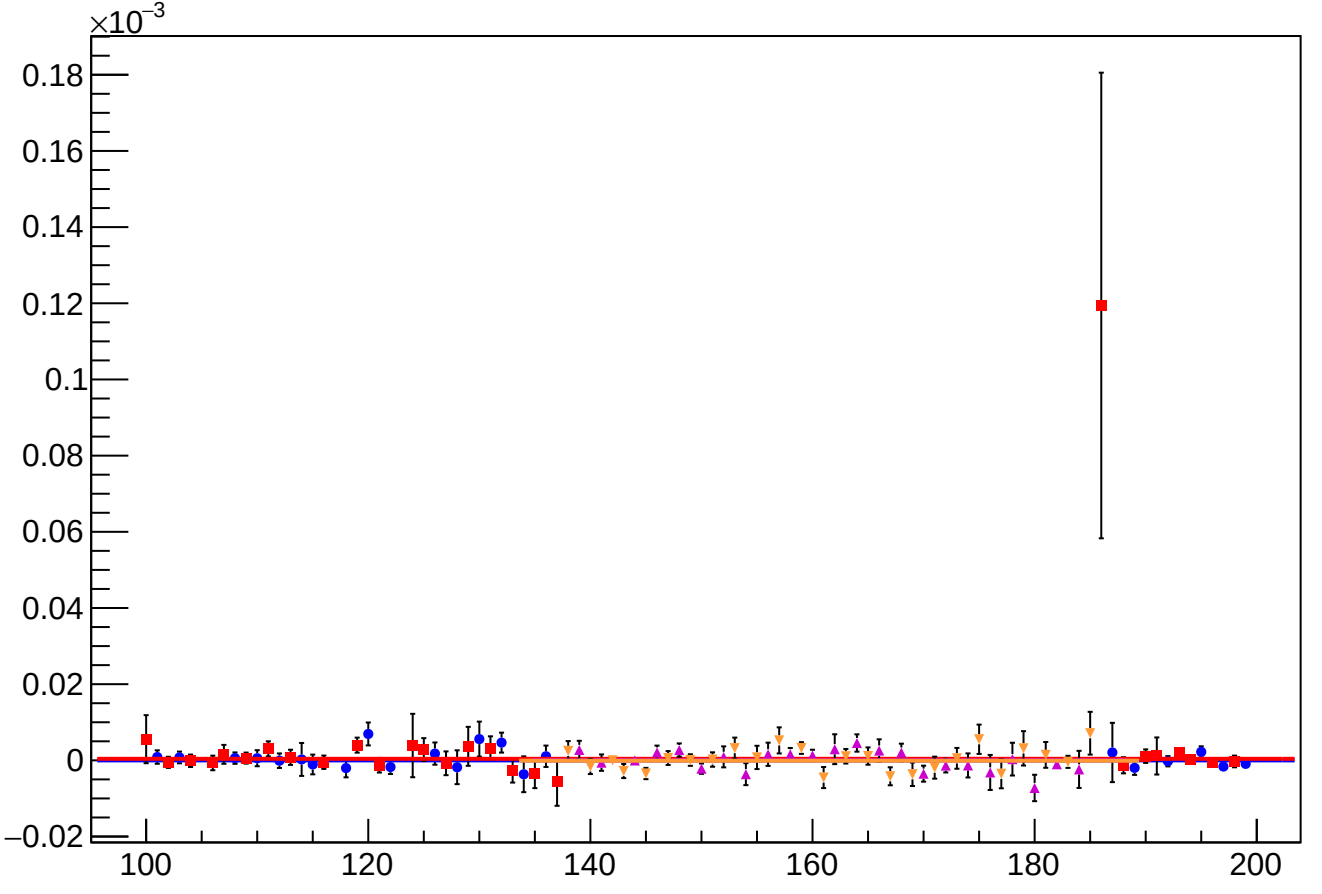
Right Out: 31.099+/-0.006 χ^2/NDF: 2037854.5/26

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.723+/-0.004 χ^2/NDF: 3599685.5/46

All: 32.011+/-0.003 χ^2/NDF: 6929338.5/96

- sign 32.307+/-0.004 χ^2/NDF: 3320083.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/26

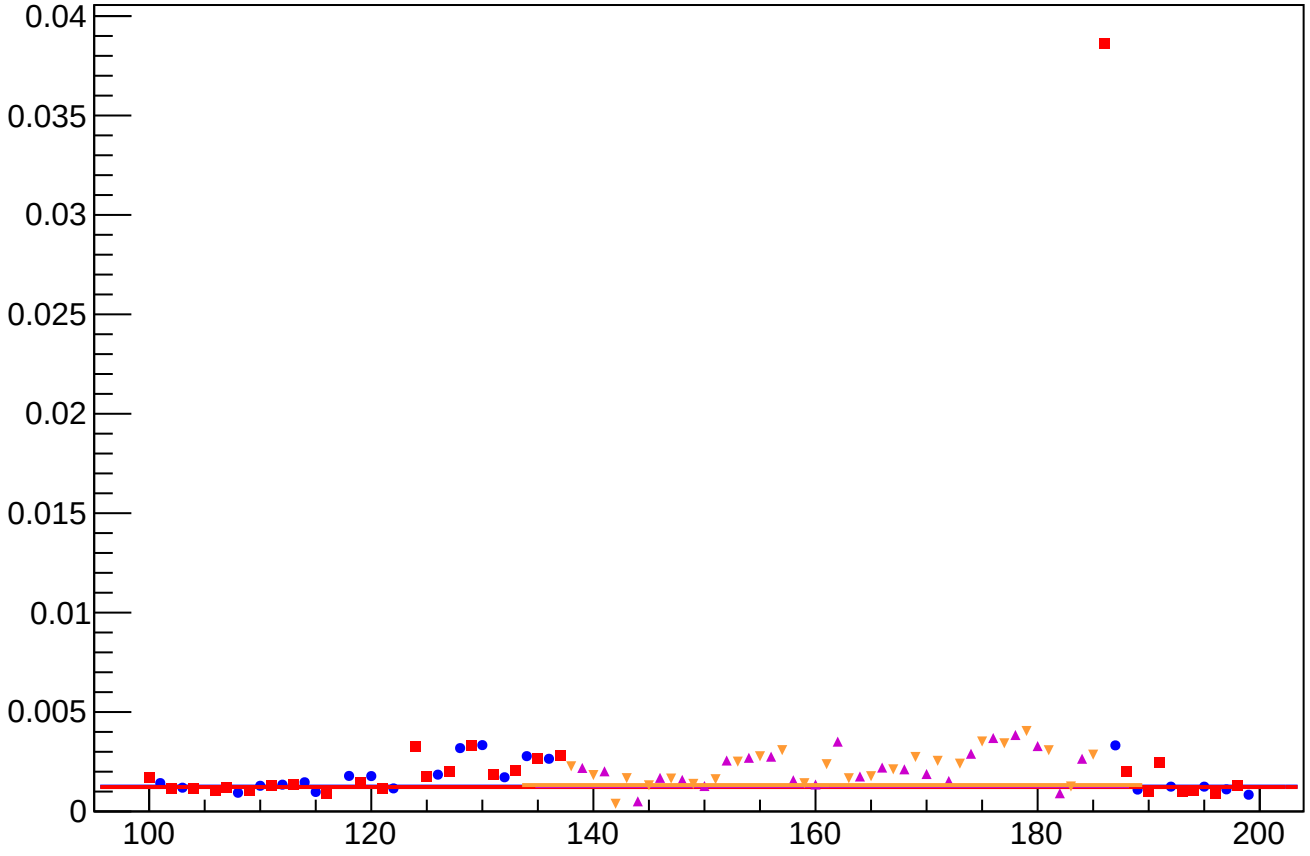
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.0/46

All: 0.000+/-0.000 χ^2/NDF: 99.7/96

- sign 0.000+/-0.000 χ^2/NDF: 48.2/49

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2555253.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

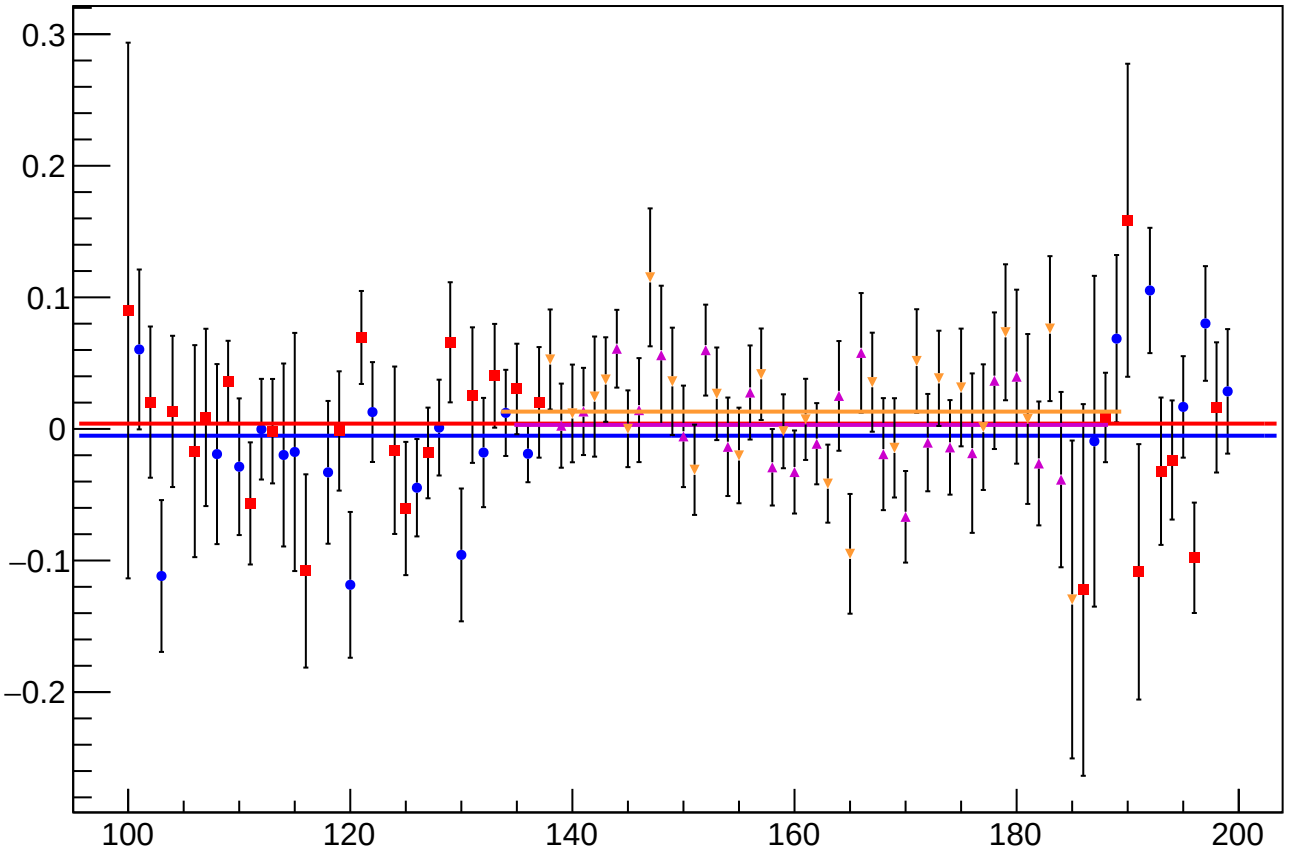
Right Out: 0.001+/-0.000 χ^2/NDF: 2986432.8/26

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13754393.8/46

All: 0.001+/-0.000 χ^2/NDF: 26658373.6/96

- sign 0.001+/-0.000 χ^2/NDF: 12881377.9/49



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

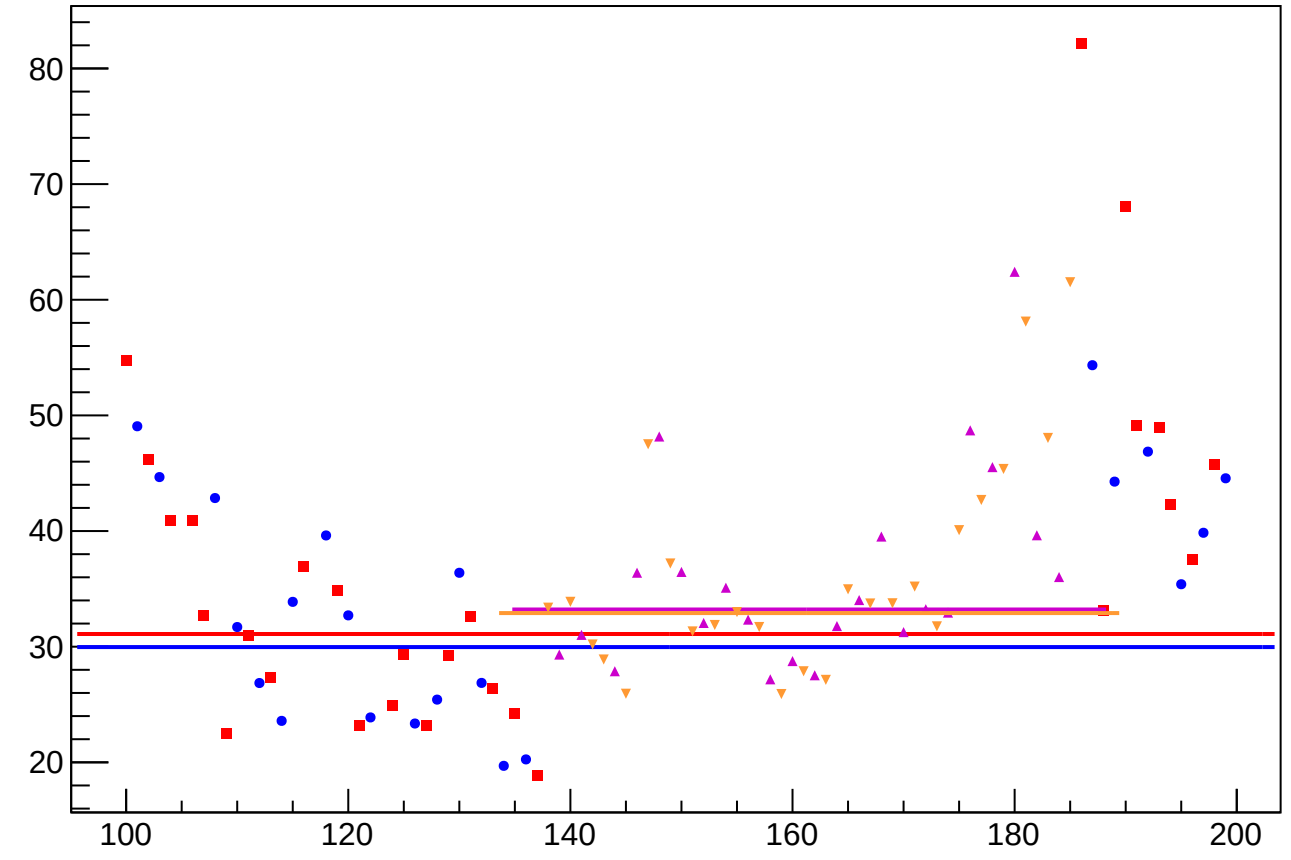
Right Out: 0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 53.8/46

All: 0.005+/-0.004 χ^2/NDF: 98.3/96

- sign 0.003+/-0.006 χ^2/NDF: 44.5/49



Right In: 29.967+/-0.007 χ^2/NDF: 2053825.1/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

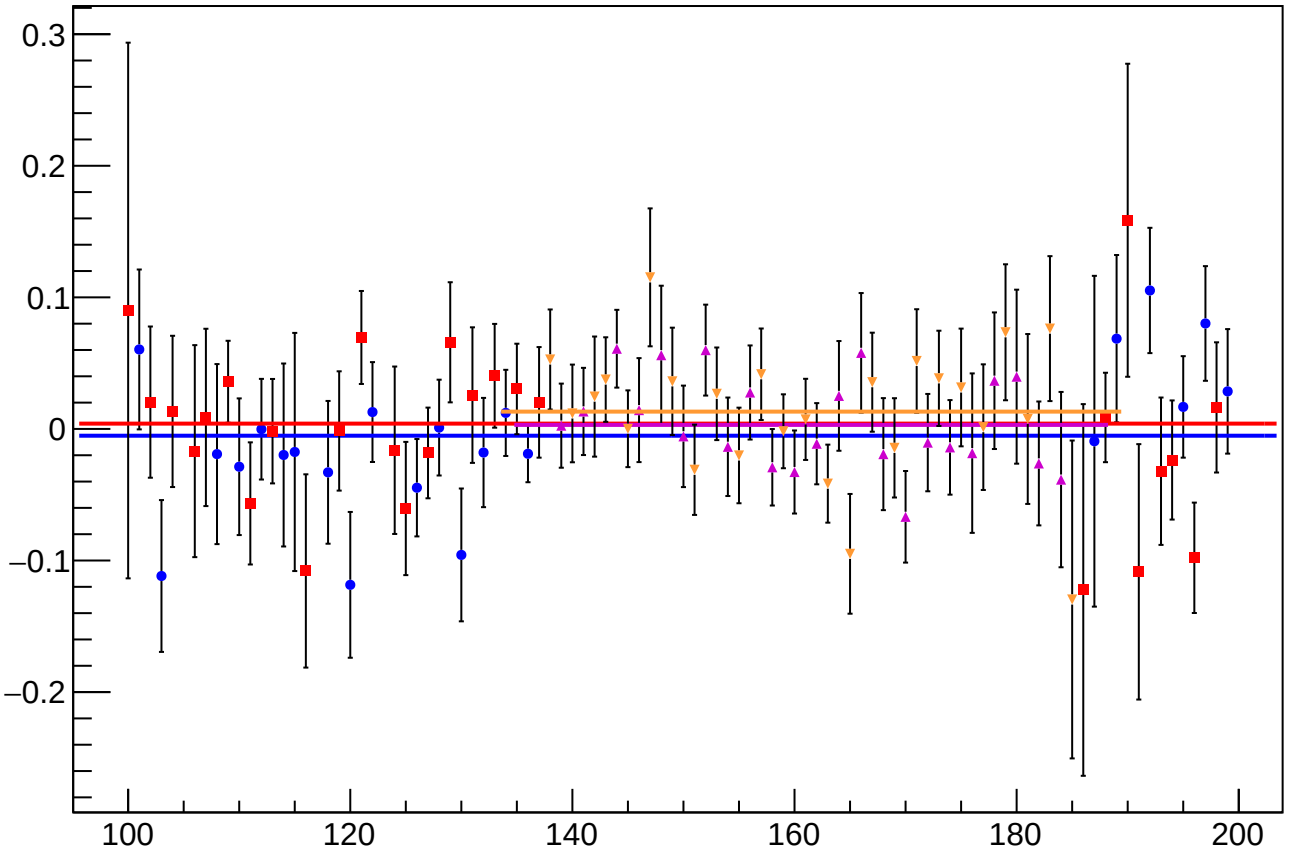
Right Out: 31.097+/-0.006 χ^2/NDF: 2038099.9/26

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 31.722+/-0.004 χ^2/NDF: 3599981.4/46

All: 32.010+/-0.003 χ^2/NDF: 6930015.8/96

\- sign 32.306+/-0.004 χ^2/NDF: 3320468.1/49



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

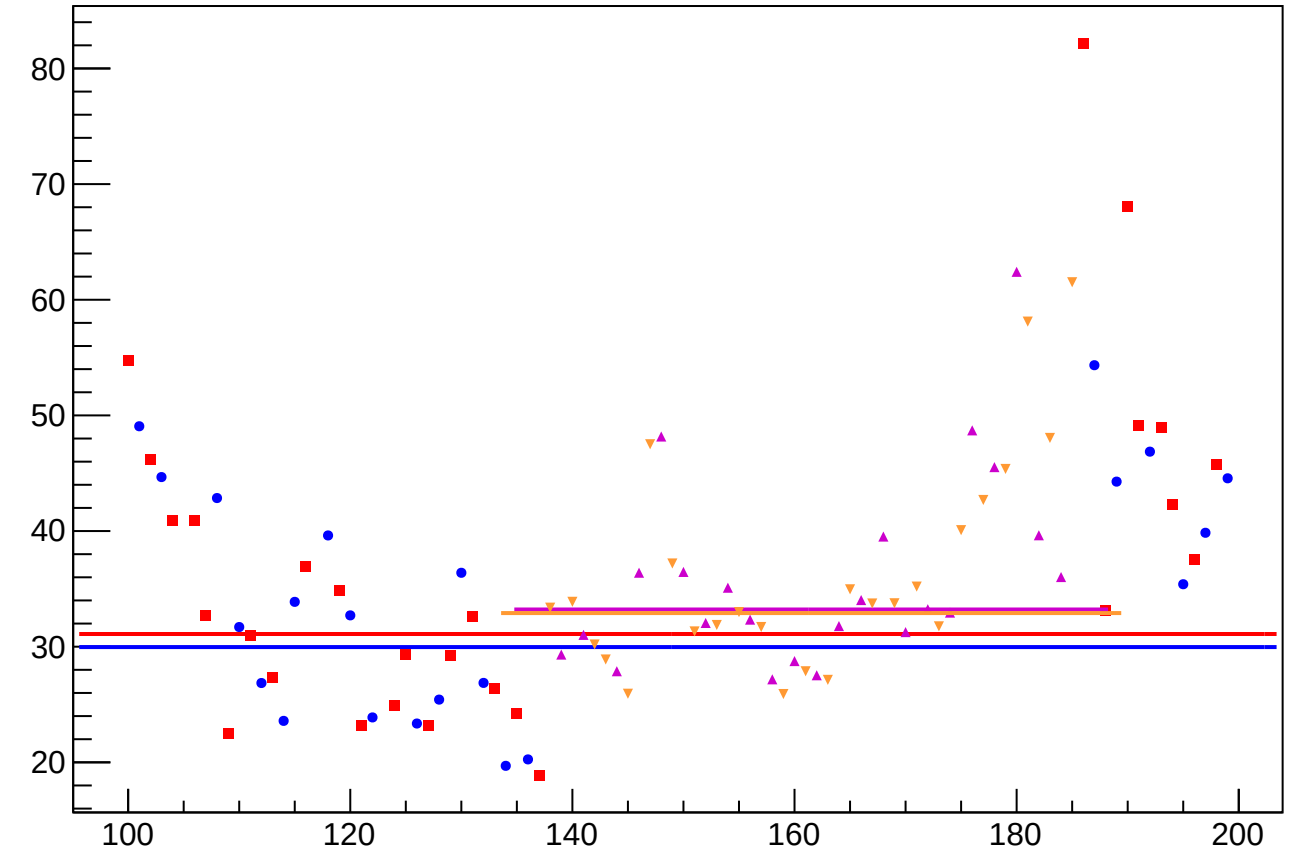
Right Out: 0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 53.8/46

All: 0.005+/-0.004 χ^2/NDF: 98.3/96

- sign 0.003+/-0.006 χ^2/NDF: 44.5/49



Right In: 29.967+/-0.007 χ^2/NDF: 2053825.1/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

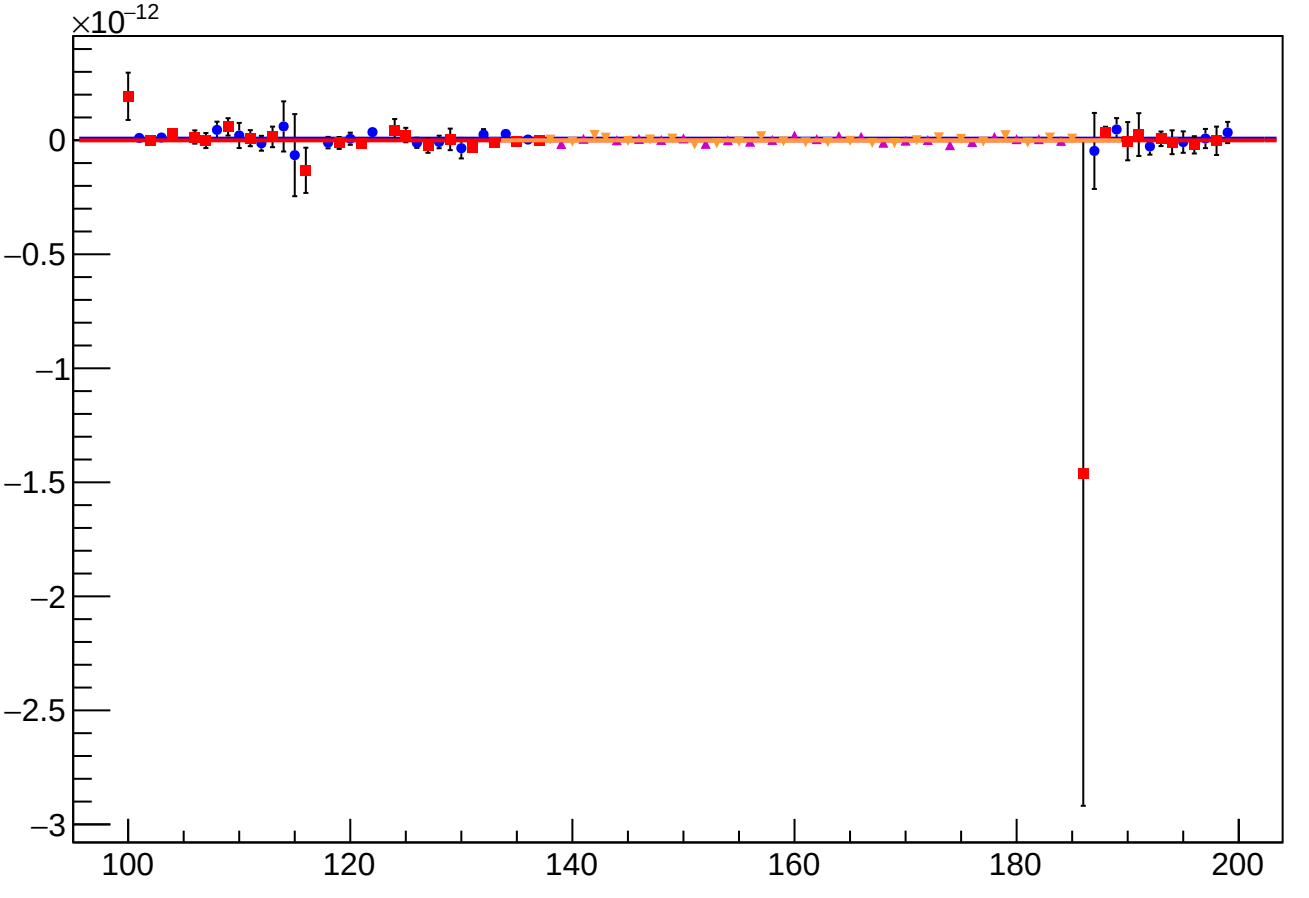
Right Out: 31.097+/-0.006 χ^2/NDF: 2038099.9/26

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.722+/-0.004 χ^2/NDF: 3599981.4/46

All: 32.010+/-0.003 χ^2/NDF: 6930015.8/96

- sign 32.306+/-0.004 χ^2/NDF: 3320468.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

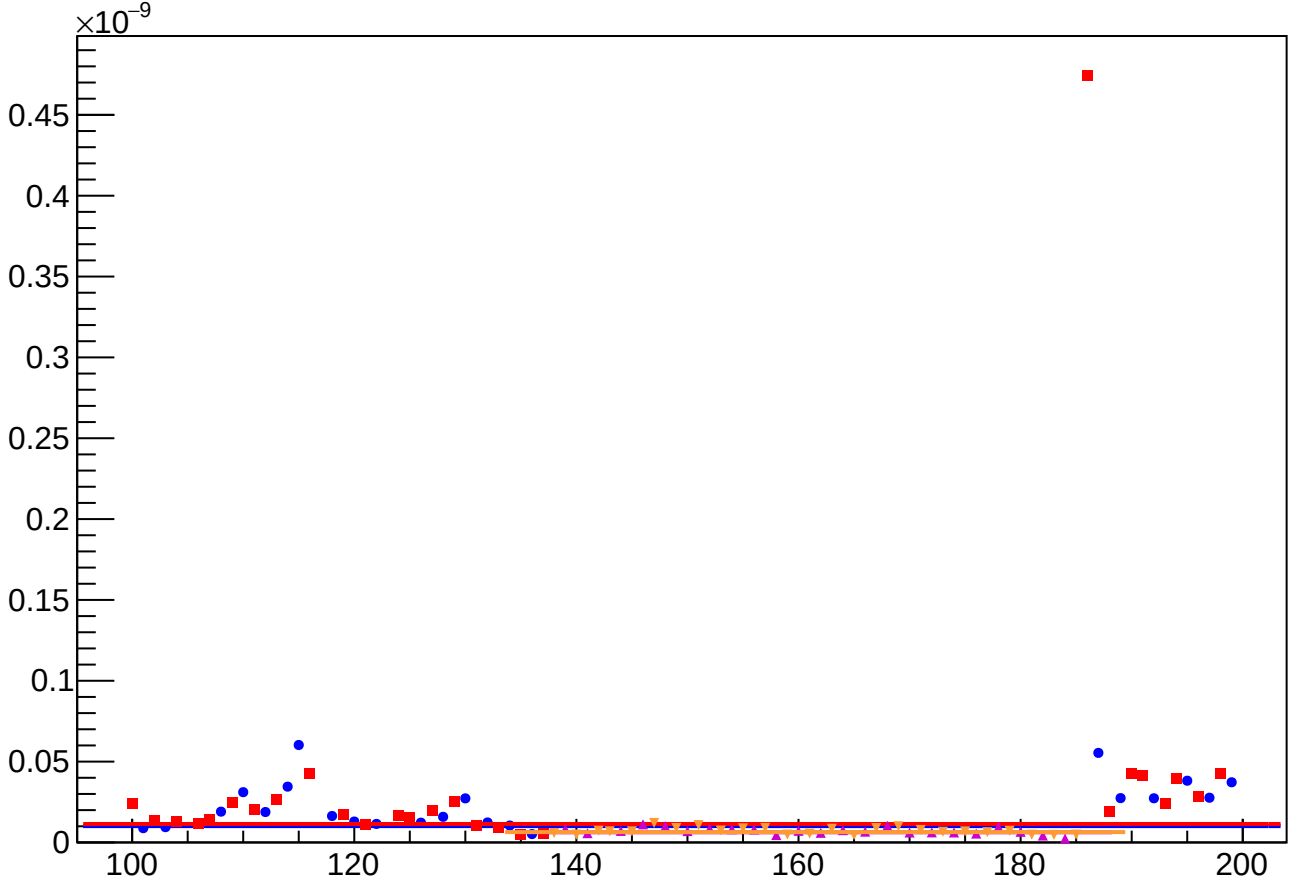
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/26

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.7/46

All: 0.000+/-0.000 χ^2/NDF: 87.4/96

- sign 0.000+/-0.000 χ^2/NDF: 43.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 5119501.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5493831.8/26

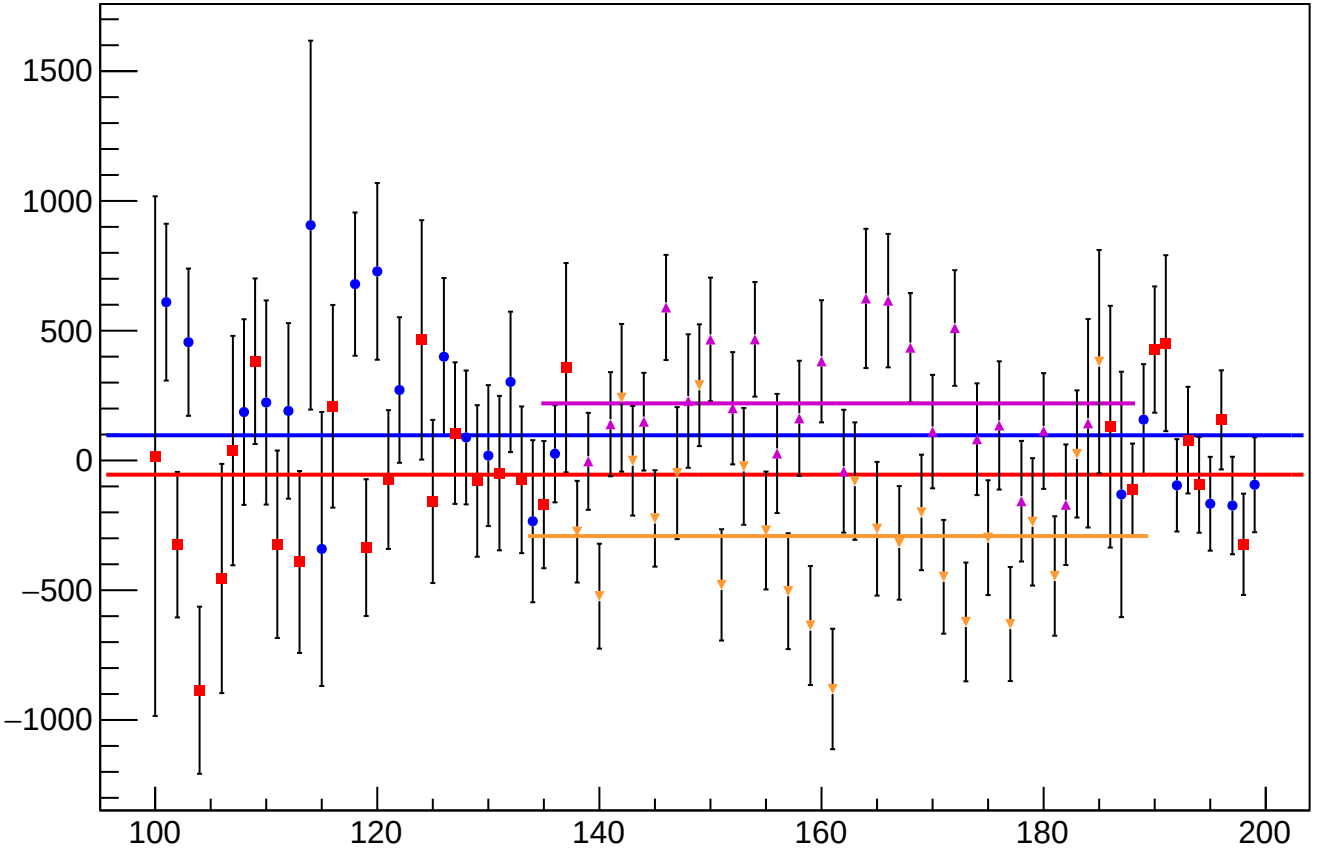
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8180494.3/46

All: 0.000+/-0.000 χ^2/NDF: 17831852.5/96

- sign 0.000+/-0.000 χ^2/NDF: 9649996.8/49

reg_asym_sam_26_dd_mean vs Slug



Right In: 97.022+/-55.462 χ^2/NDF: 24.7/21

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -54.775+/-53.480 χ^2/NDF: 26.4/26

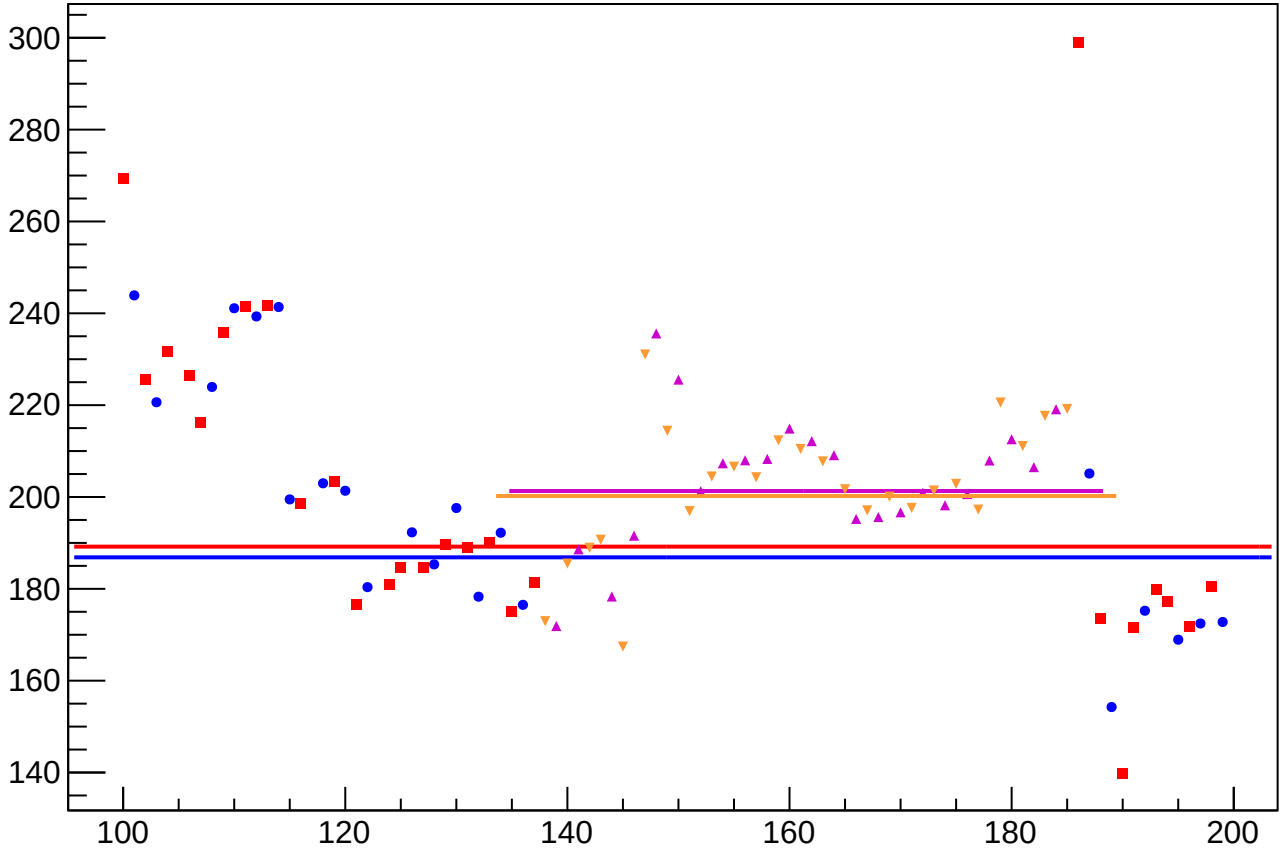
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -134.626+/-35.230 χ^2/NDF: 90.3/46

All: -17.852+/-24.959 χ^2/NDF: 177.4/96

- sign 99.826+/-35.366 χ^2/NDF: 65.0/49

reg_asym_sam_26_dd_rms vs Slug



Right In: 186.859+/-0.039 χ^2/NDF: 345506.2/21

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 189.190+/-0.038 χ^2/NDF: 500295.5/26

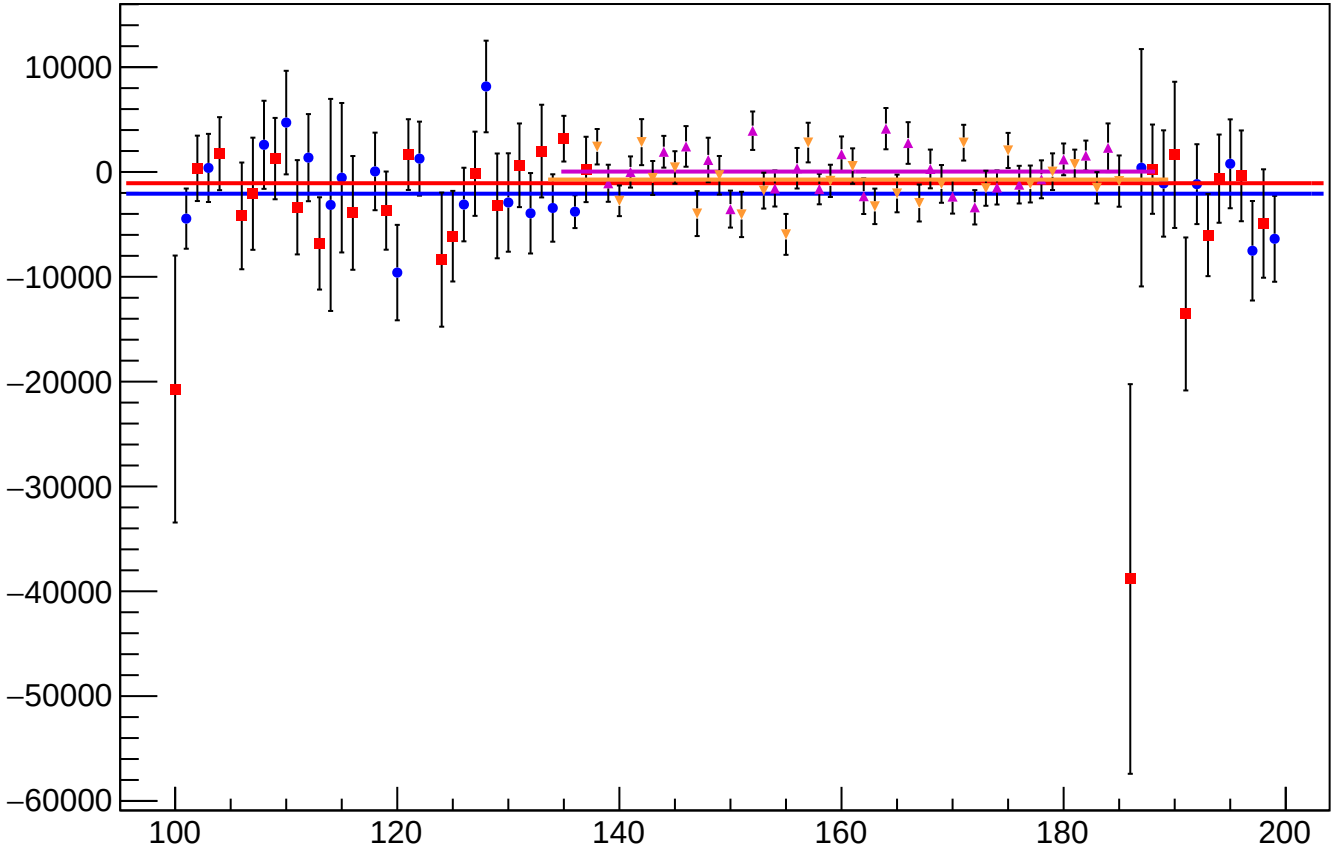
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 194.823+/-0.025 χ^2/NDF: 619035.7/46

All: 195.410+/-0.018 χ^2/NDF: 1359779.7/96

- sign 196.003+/-0.025 χ^2/NDF: 739627.1/49

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2071.948+/-783.251 χ^2/NDF: 19.3/21

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1071.246+/-805.065 χ^2/NDF: 24.4/26

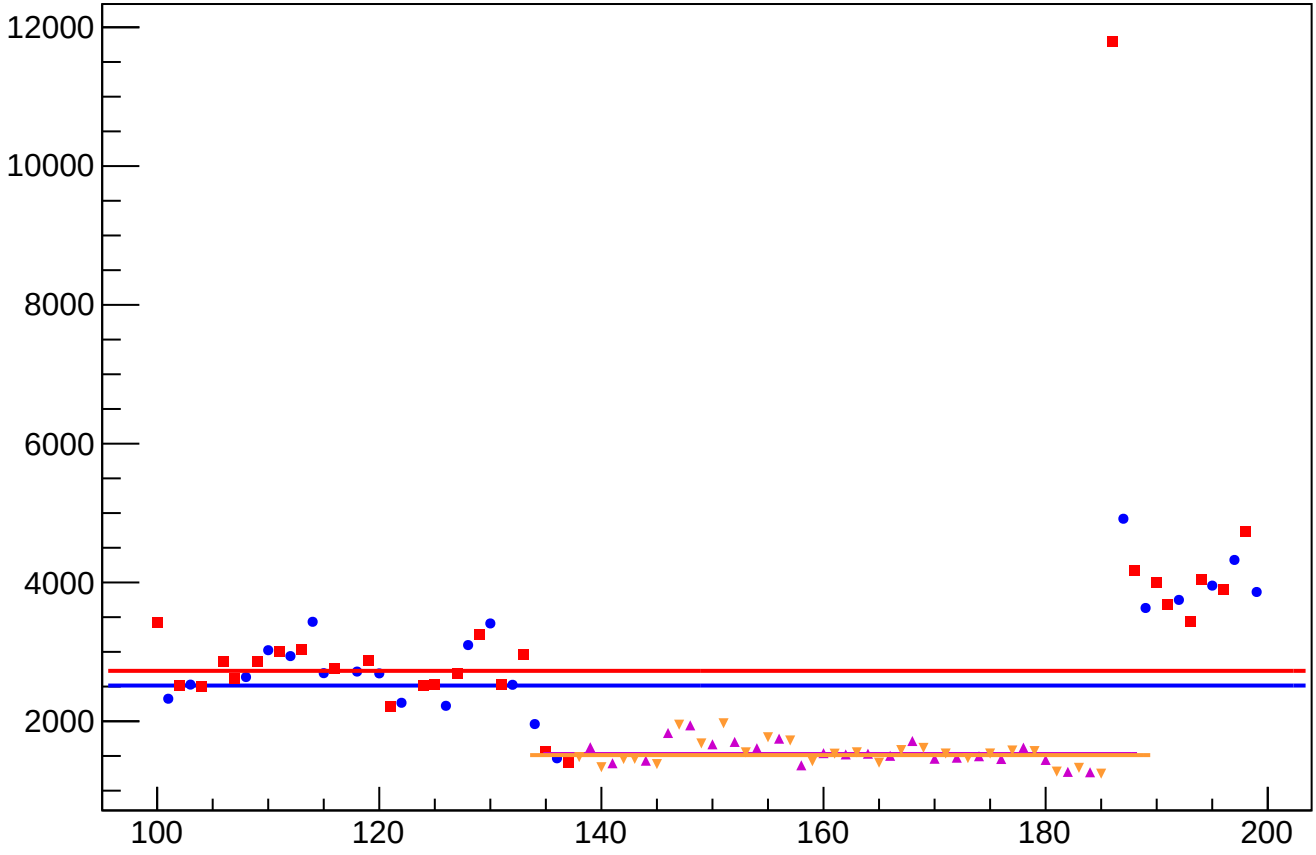
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -941.732+/-316.782 χ^2/NDF: 60.1/46

All: -557.392+/-227.888 χ^2/NDF: 123.5/96

- sign -145.150+/-328.080 χ^2/NDF: 60.4/49

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2514.701+/-0.554 χ^2/NDF: 2304663.7/21

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2726.443+/-0.569 χ^2/NDF: 2581782.3/26

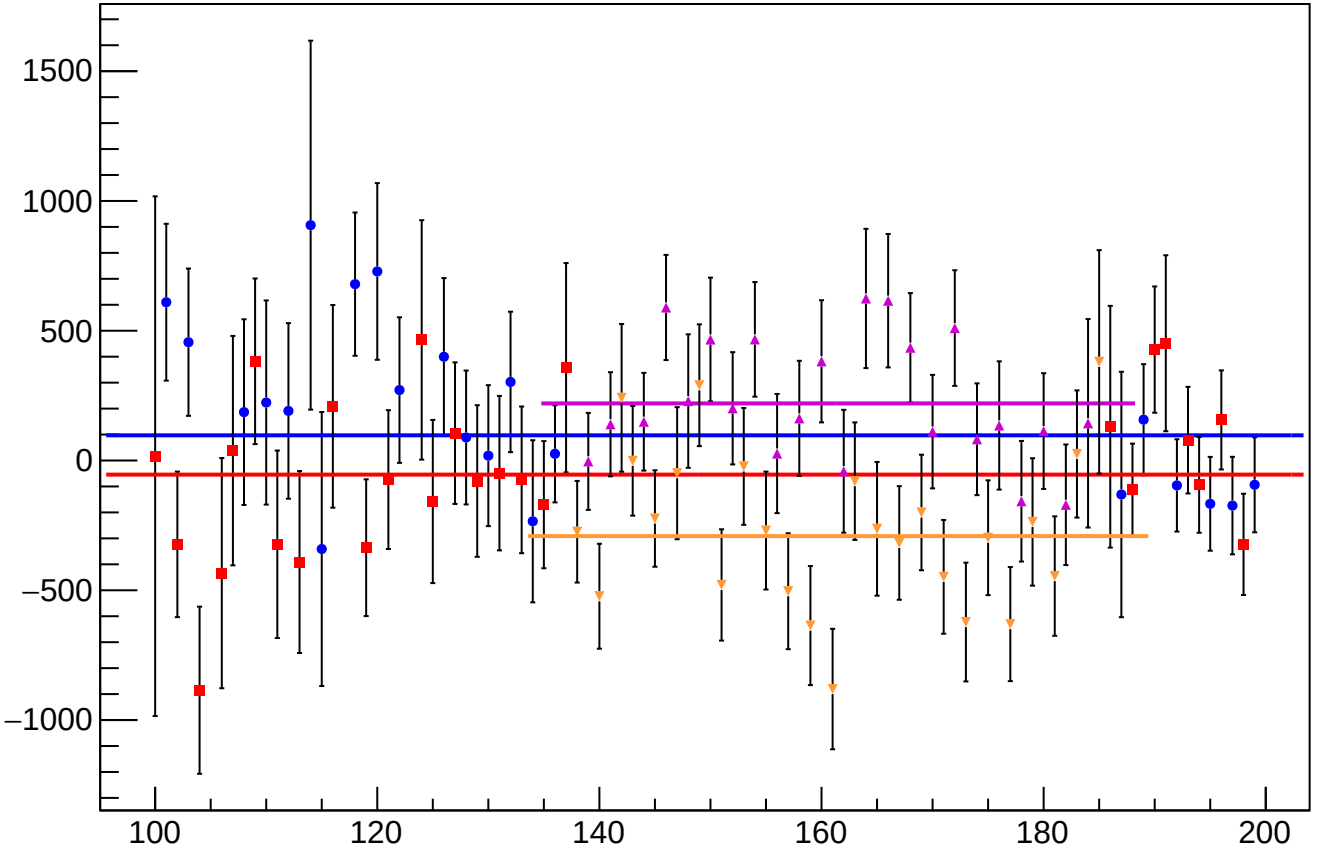
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1676.323+/-0.224 χ^2/NDF: 5486783.2/46

All: 1700.773+/-0.161 χ^2/NDF: 12163317.7/9

- sign 1726.998+/-0.232 χ^2/NDF: 6651841.0/49

cor_asym_sam_26_dd_mean vs Slug



Right In: 97.022+/-55.462 χ^2/NDF: 24.7/21

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -54.357+/-53.484 χ^2/NDF: 26.3/26

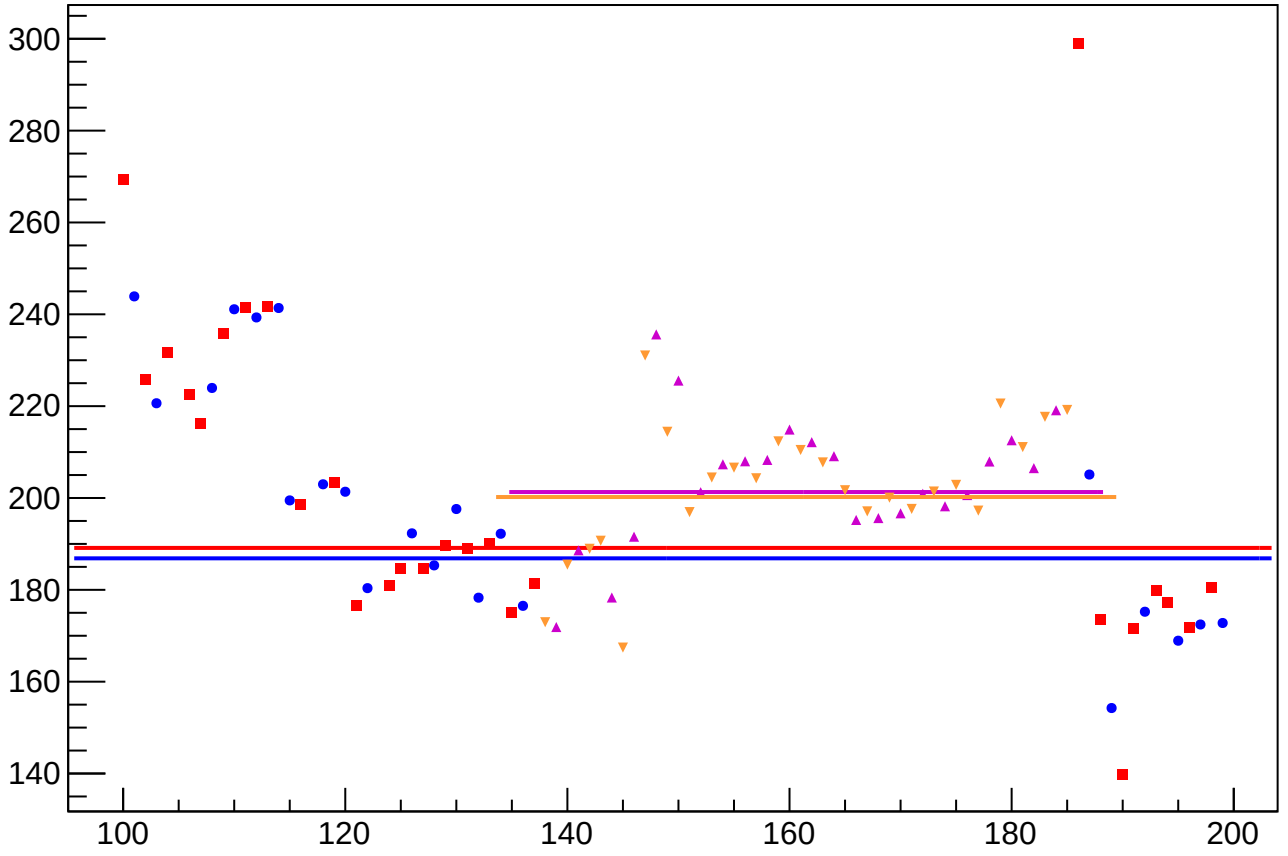
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -134.628+/-35.230 χ^2/NDF: 90.3/46

All: -17.758+/-24.959 χ^2/NDF: 177.2/96

- sign 100.024+/-35.367 χ^2/NDF: 64.8/49

cor_asym_sam_26_dd_rms vs Slug



Right In: 186.859+/-0.039 χ^2/NDF: 345506.7/21

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

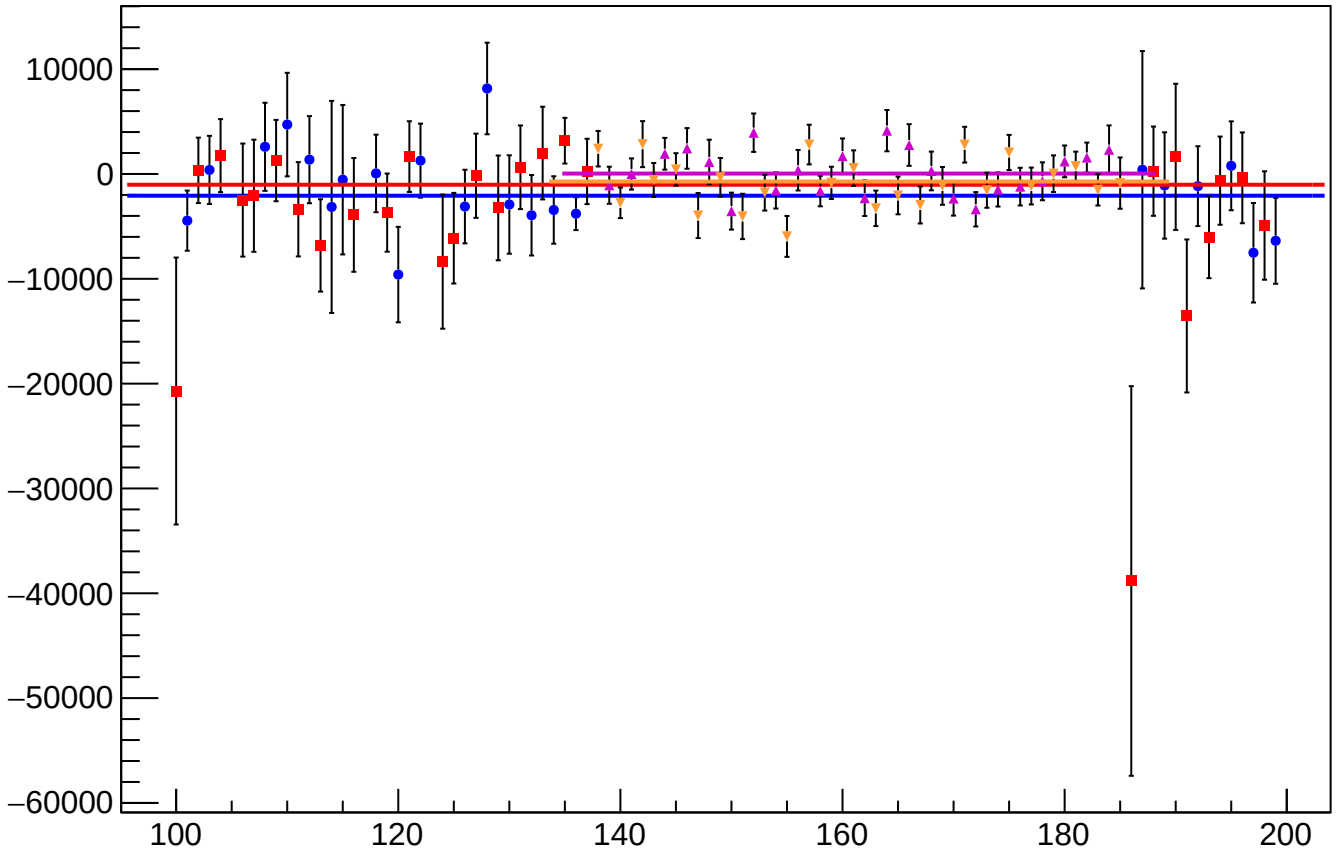
Right Out: 189.129+/-0.038 χ^2/NDF: 497453.5/26

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 194.823+/-0.025 χ^2/NDF: 619036.1/46

All: 195.398+/-0.018 χ^2/NDF: 1357458.9/96

\- sign 195.977+/-0.025 χ^2/NDF: 737354.3/49



Right In: -2071.920+/-783.252 χ^2/NDF: 19.3/21

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1024.973+/-806.182 χ^2/NDF: 24.1/26

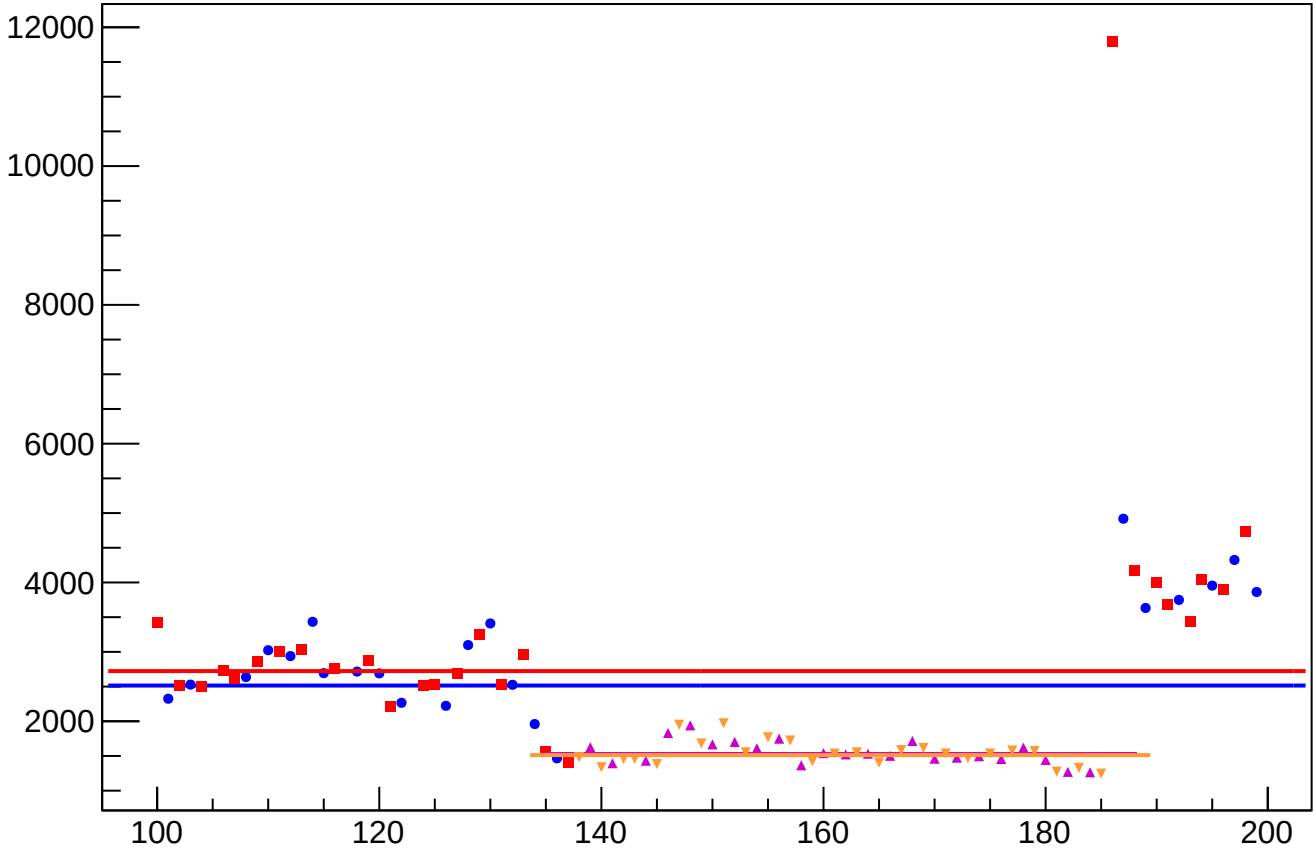
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -941.731+/-316.782 χ^2/NDF: 60.1/46

All: -553.580+/-227.913 χ^2/NDF: 123.2/96

- sign -137.059+/-328.155 χ^2/NDF: 60.0/49

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2514.705+/-0.554 χ^2/NDF: 2304661.3/21

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2723.087+/-0.570 χ^2/NDF: 2580136.1/26

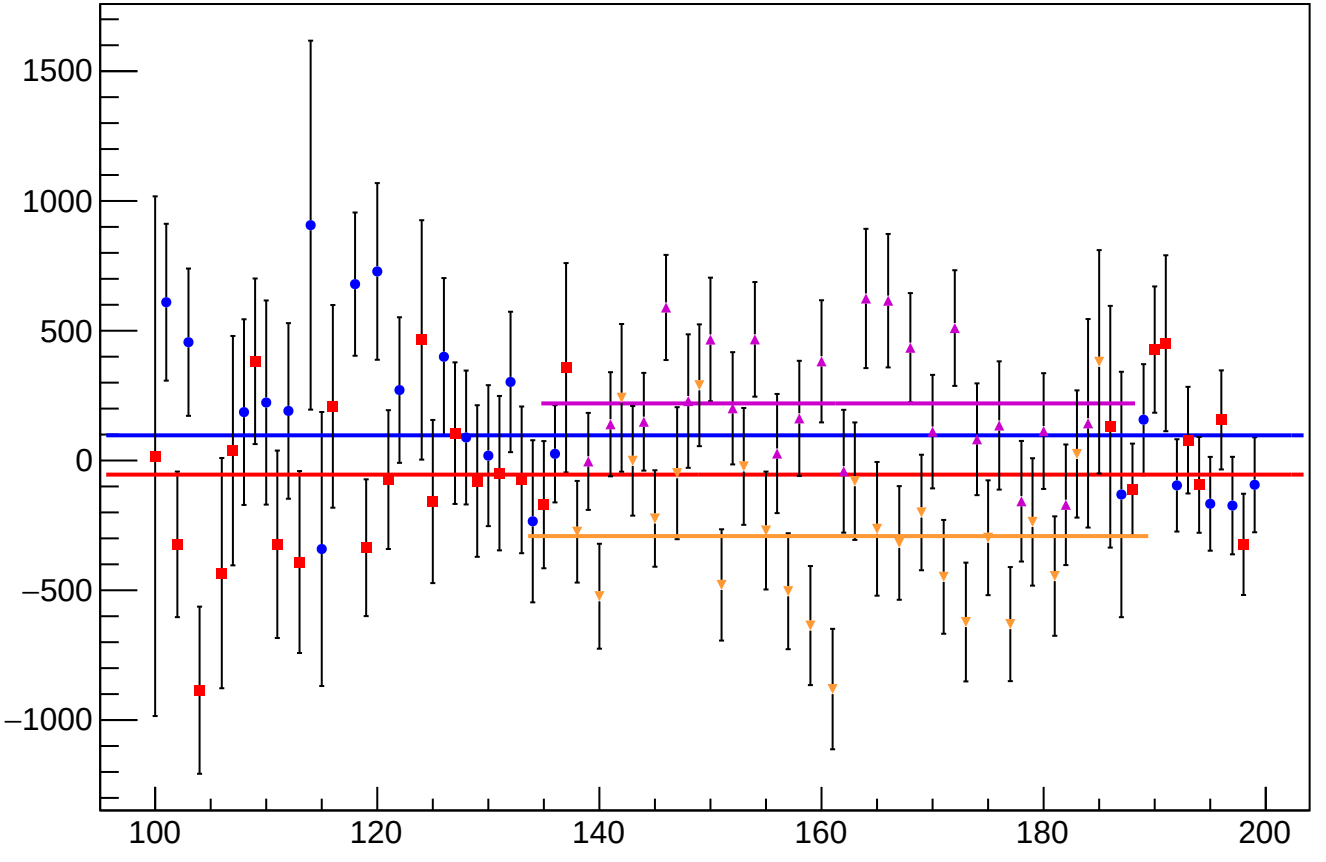
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1676.323+/-0.224 χ^2/NDF: 5486795.7/46

All: 1700.277+/-0.161 χ^2/NDF: 12131540.5/9

- sign 1725.982+/-0.232 χ^2/NDF: 6621036.8/49

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 97.022+/-55.462 χ^2/NDF: 24.7/21

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -54.357+/-53.484 χ^2/NDF: 26.3/26

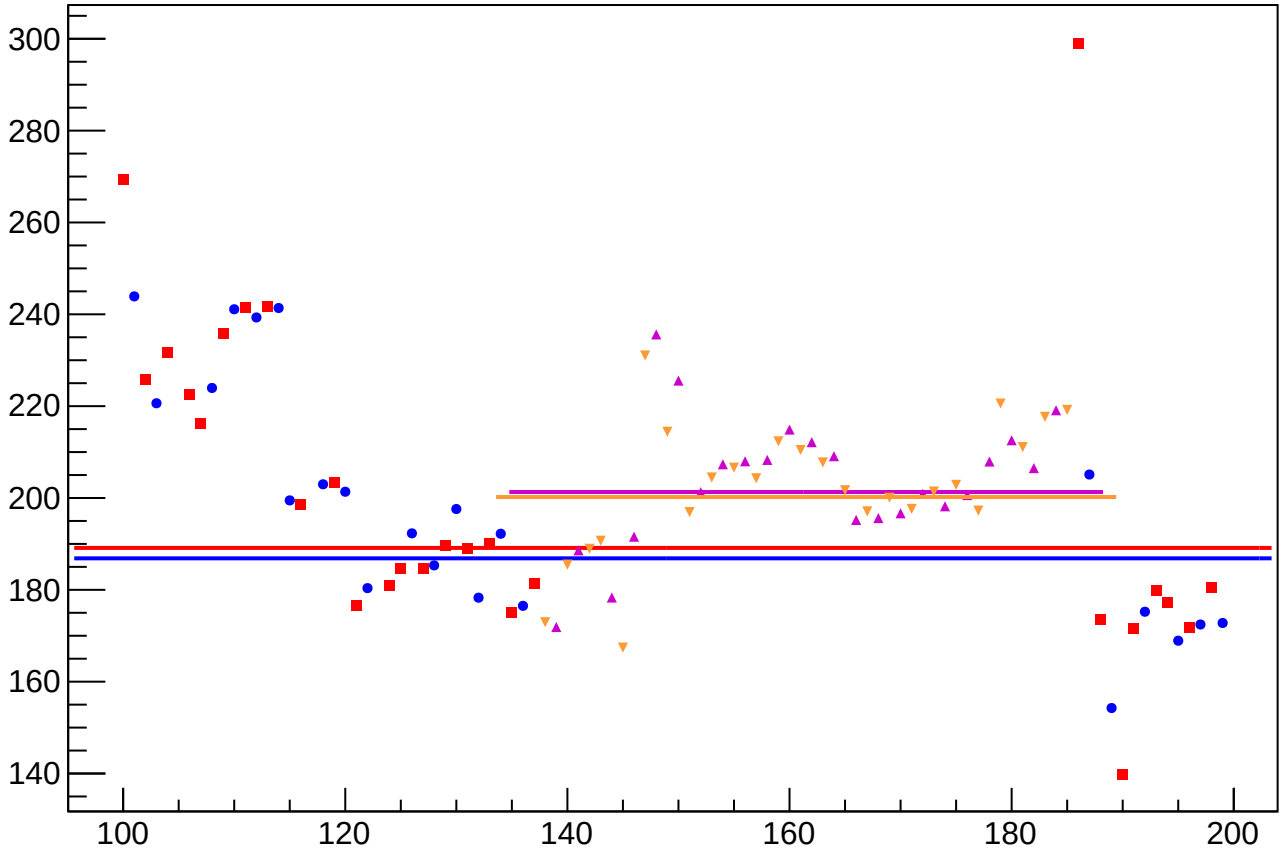
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -134.628+/-35.230 χ^2/NDF: 90.3/46

All: -17.758+/-24.959 χ^2/NDF: 177.2/96

- sign 100.024+/-35.367 χ^2/NDF: 64.8/49

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 186.859+/-0.039 χ^2/NDF: 345506.7/21

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

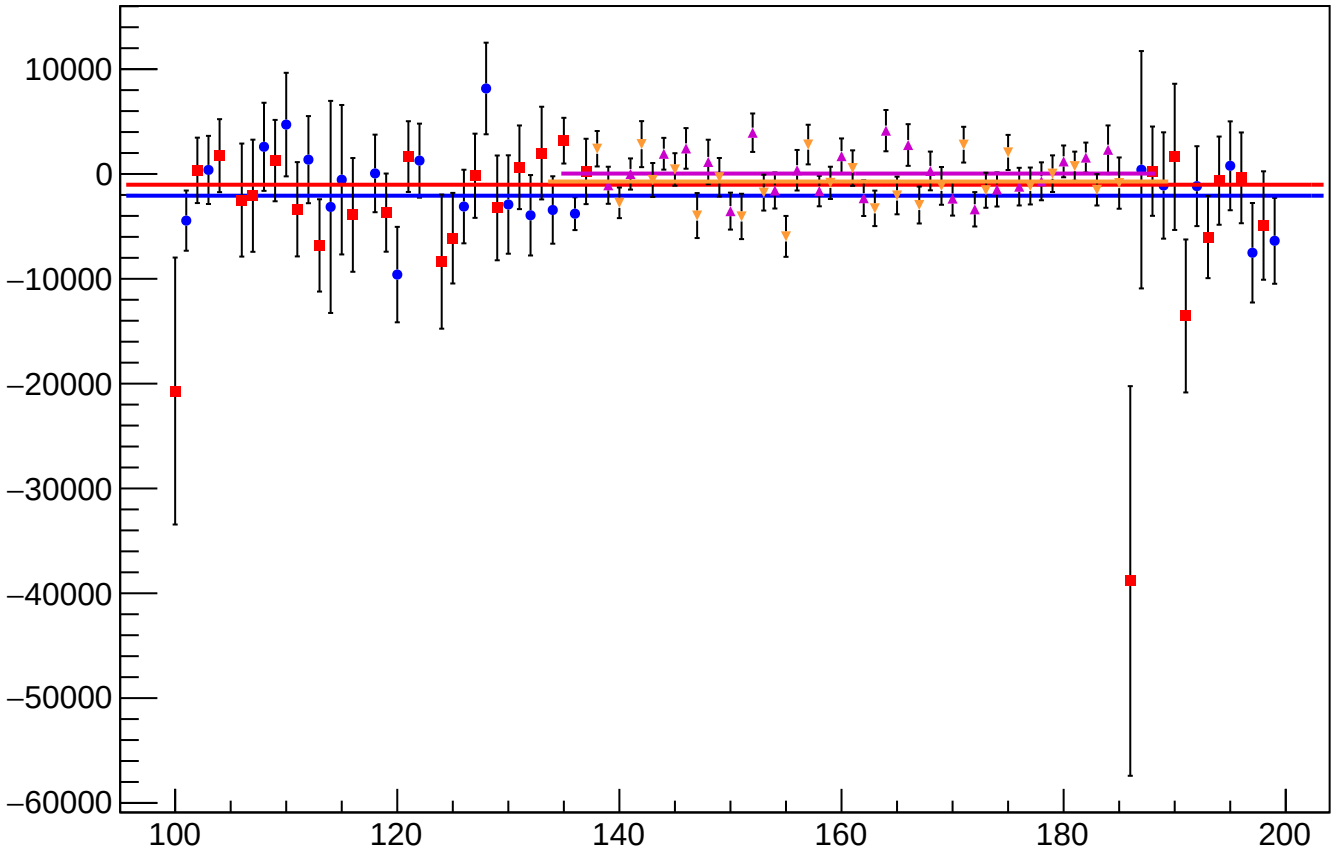
Right Out: 189.129+/-0.038 χ^2/NDF: 497453.5/26

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 194.823+/-0.025 χ^2/NDF: 619036.1/46

All: 195.398+/-0.018 χ^2/NDF: 1357458.9/96

- sign 195.977+/-0.025 χ^2/NDF: 737354.3/49



Right In: -2071.920+/-783.252 χ^2/NDF: 19.3/21

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1024.973+/-806.182 χ^2/NDF: 24.1/26

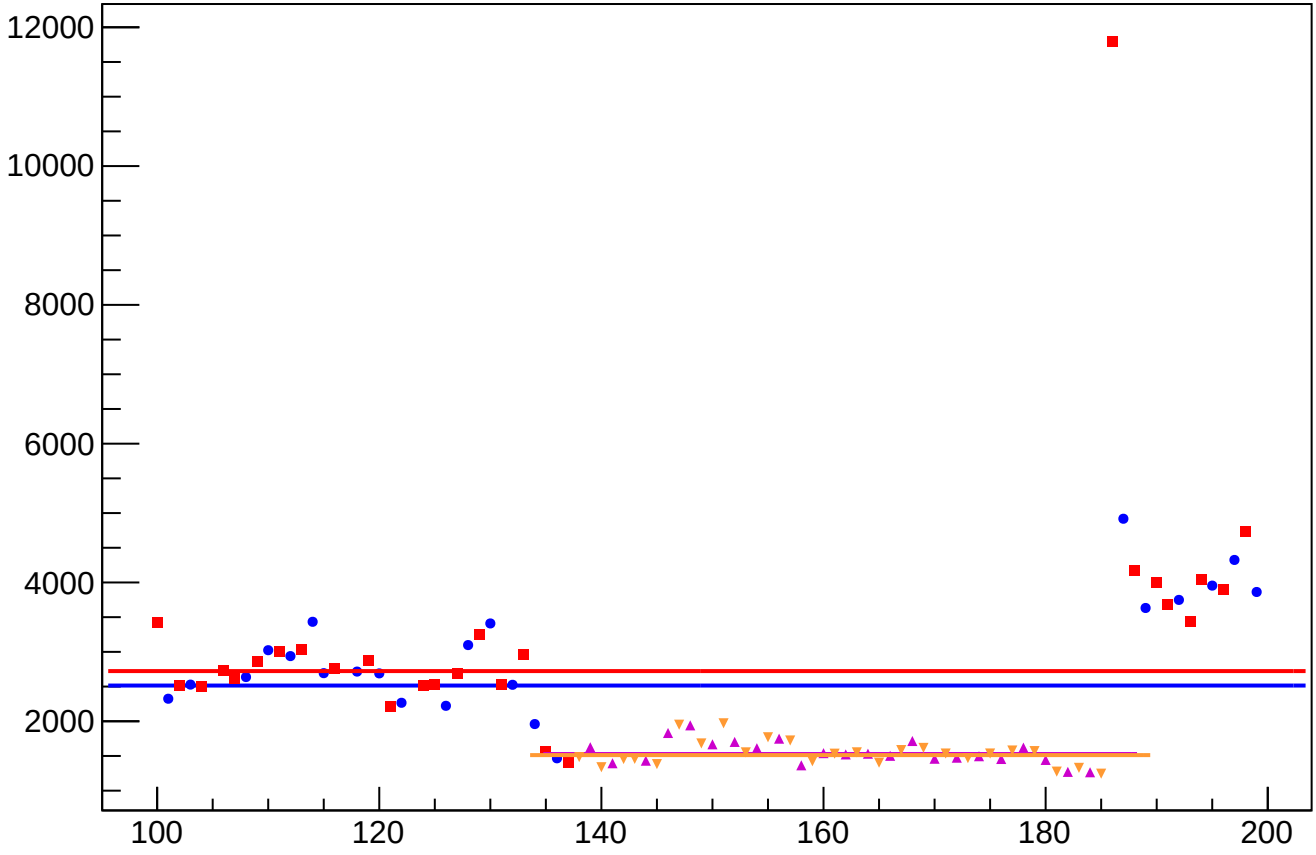
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -941.731+/-316.782 χ^2/NDF: 60.1/46

All: -553.580+/-227.913 χ^2/NDF: 123.2/96

- sign -137.059+/-328.155 χ^2/NDF: 60.0/49

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2514.705+/-0.554 χ^2/NDF: 2304661.3/21

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2723.087+/-0.570 χ^2/NDF: 2580136.1/26

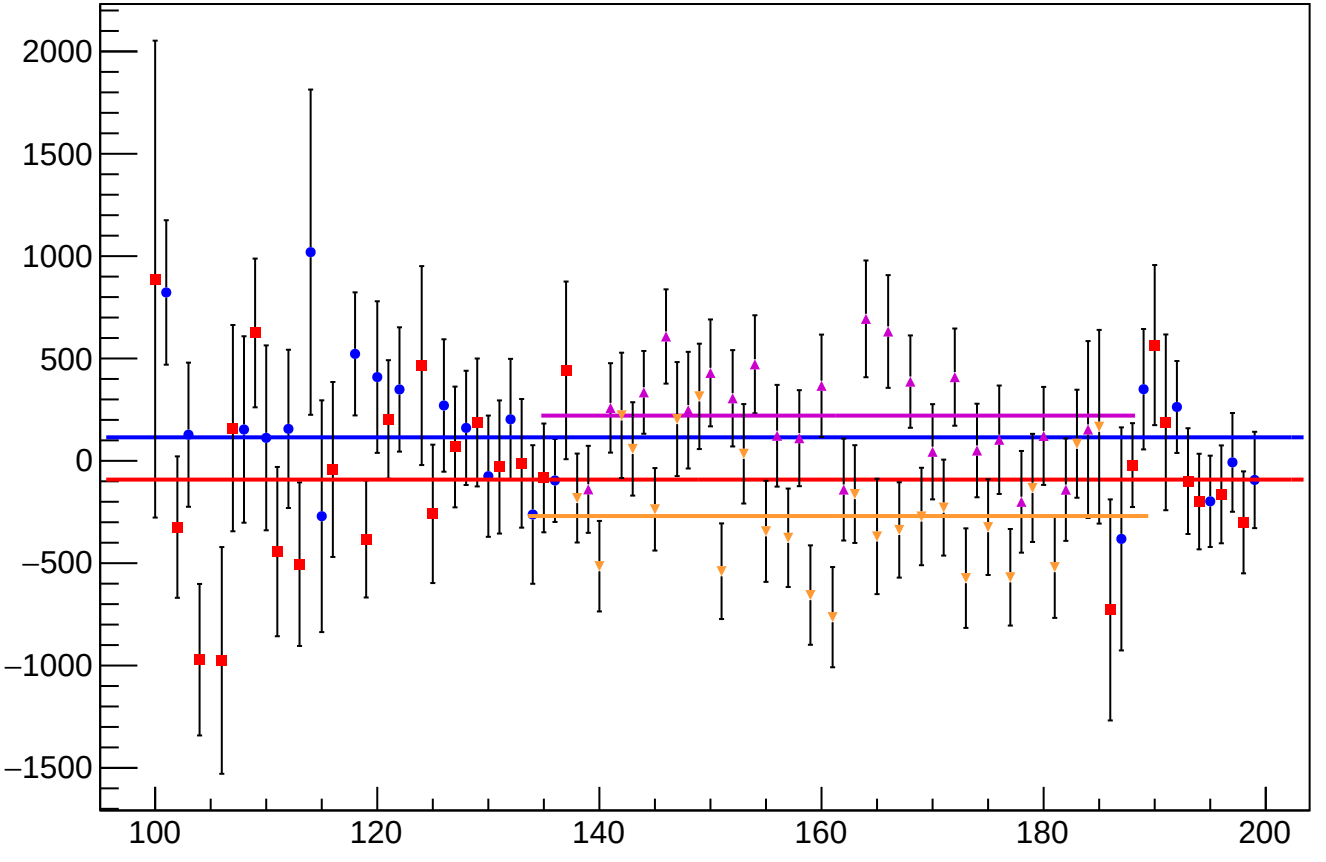
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1676.323+/-0.224 χ^2/NDF: 5486795.7/46

All: 1700.277+/-0.161 χ^2/NDF: 12131540.5/9

- sign 1725.982+/-0.232 χ^2/NDF: 6621036.8/49

dit_asym_sam_26_dd_mean vs Slug



Right In: 114.871+/-65.257 χ^2/NDF: 16.9/21

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -91.637+/-62.880 χ^2/NDF: 27.4/26

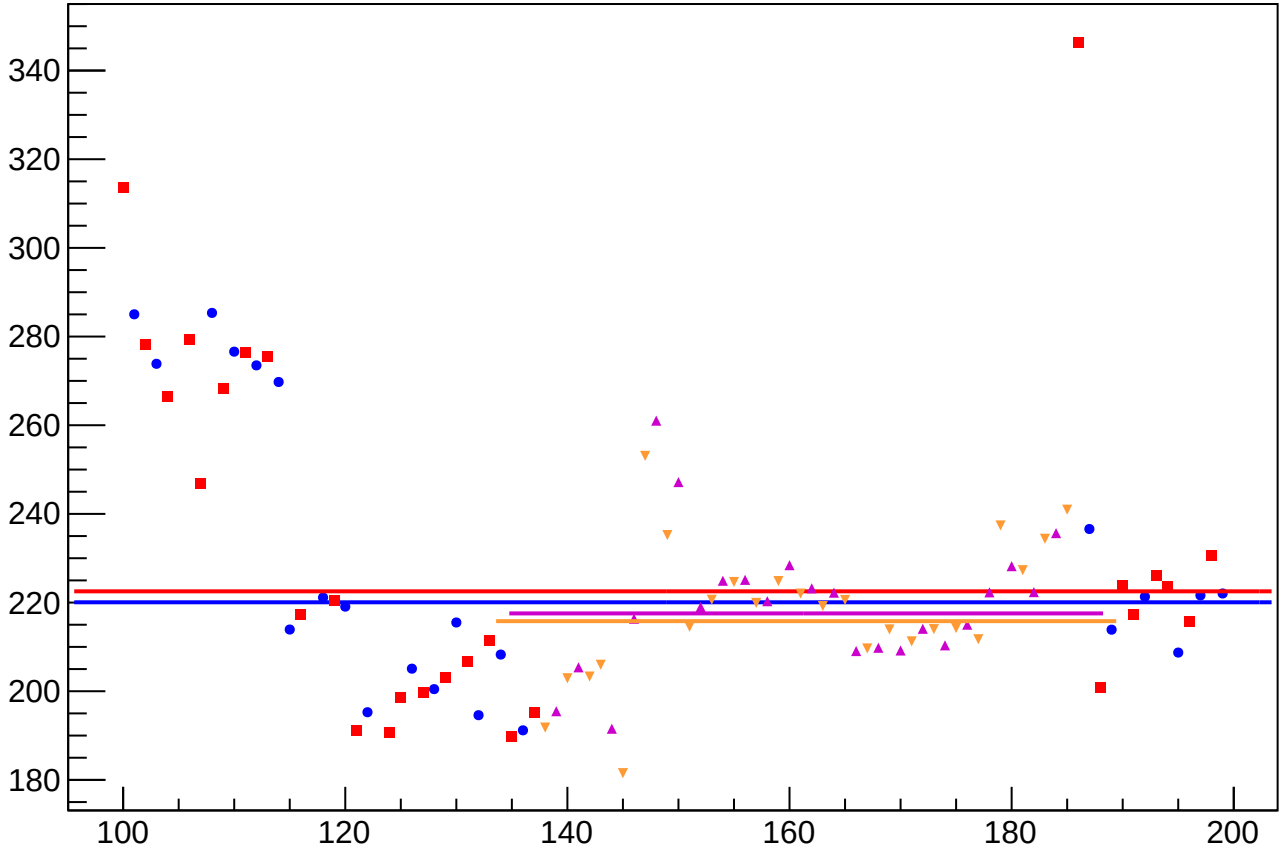
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -130.462+/-39.264 χ^2/NDF: 70.5/46

All: -17.653+/-27.878 χ^2/NDF: 152.8/96

- sign 97.030+/-39.589 χ^2/NDF: 65.7/49

dit_asym_sam_26_dd_rms vs Slug



Right In: 220.062+/-0.046 χ^2/NDF: 327218.0/21

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.534+/-0.044 χ^2/NDF: 459012.5/26

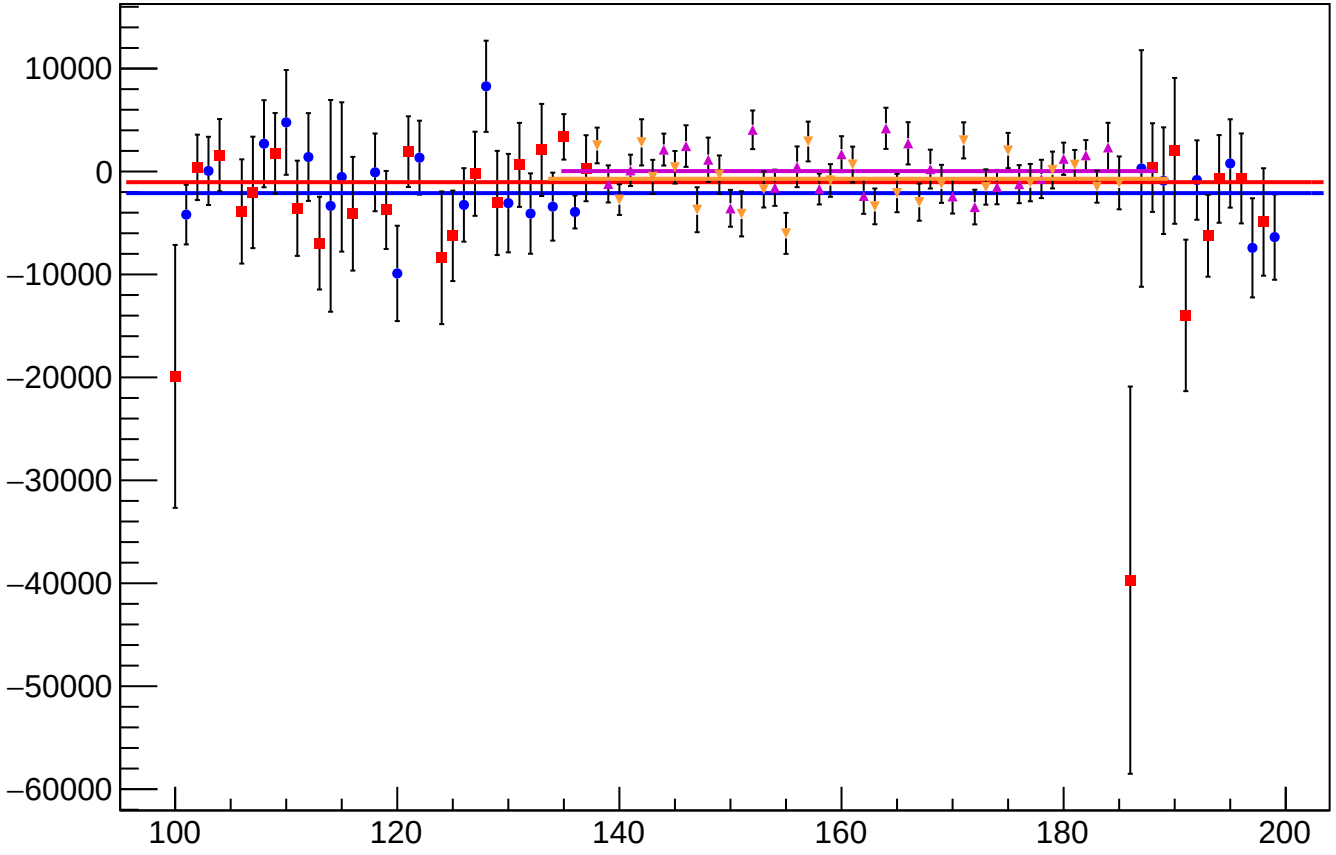
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.347+/-0.028 χ^2/NDF: 521342.0/46

All: 218.429+/-0.020 χ^2/NDF: 1152054.2/96

- sign 219.529+/-0.028 χ^2/NDF: 627650.3/49

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -2100.010+/-798.329 χ^2/NDF: 19.1/21

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1038.017+/-817.136 χ^2/NDF: 25.0/26

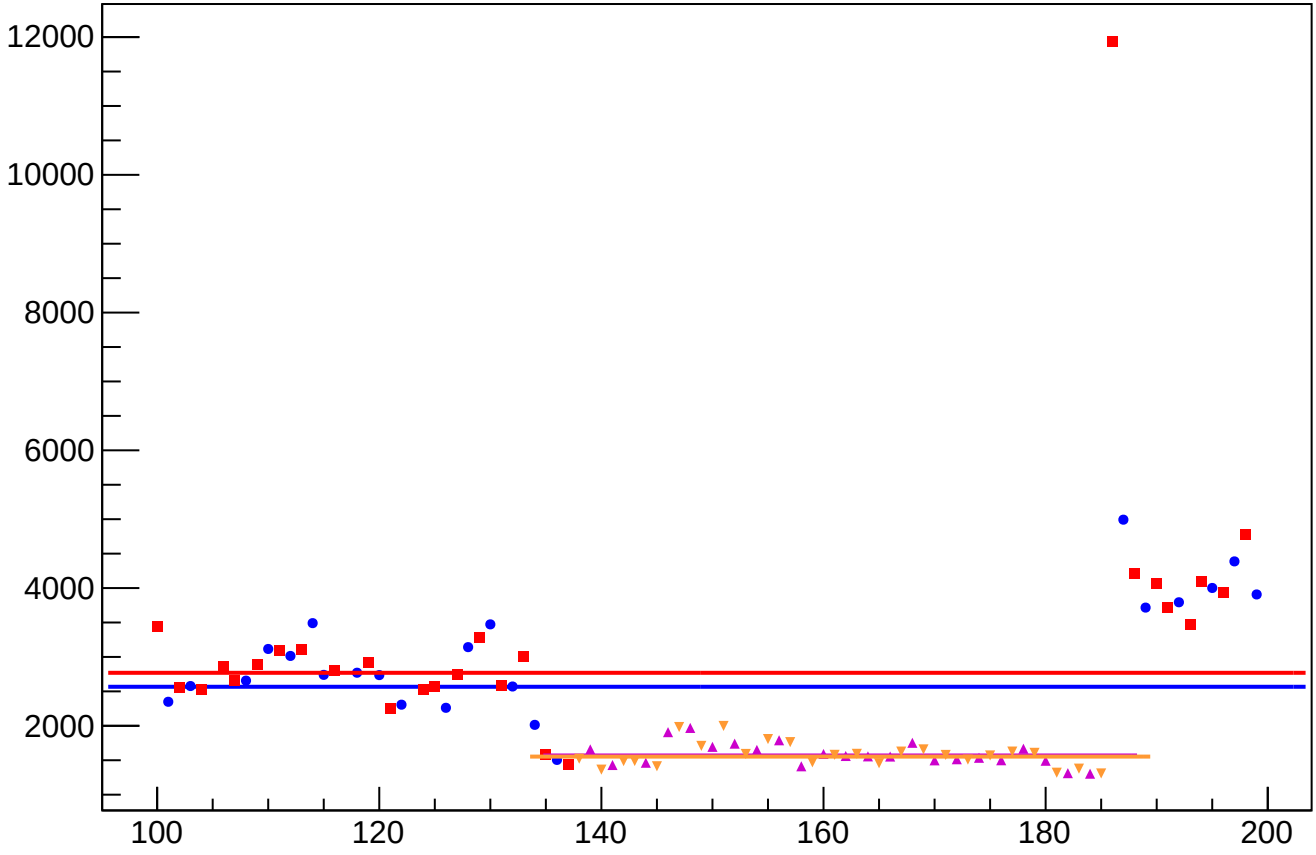
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -934.983+/-324.727 χ^2/NDF: 59.3/46

All: -552.633+/-233.569 χ^2/NDF: 122.9/96

- sign -142.776+/-336.204 χ^2/NDF: 60.8/49

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2566.757+/-0.565 χ^2/NDF: 2255697.2/21

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2769.542+/-0.578 χ^2/NDF: 2551787.5/26

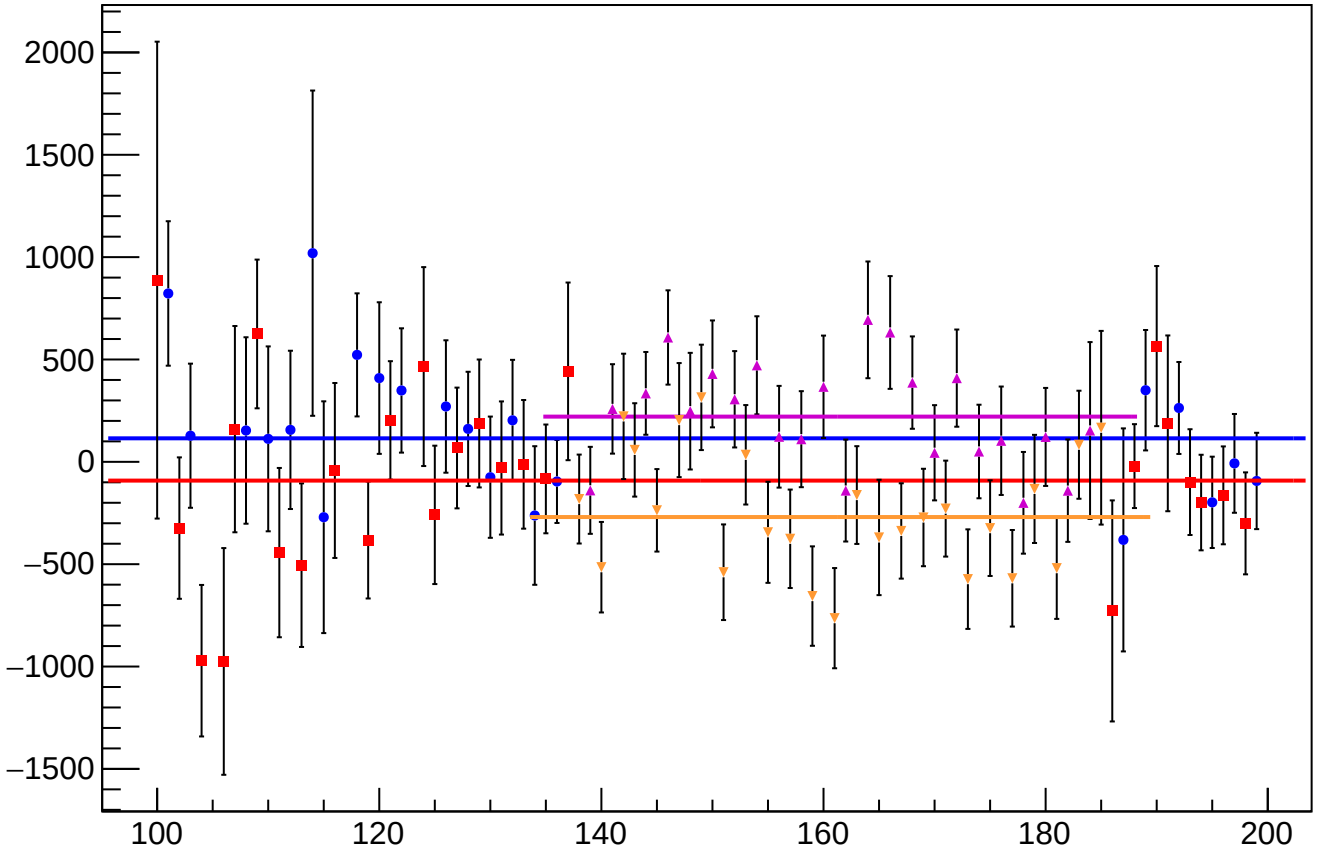
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1720.745+/-0.230 χ^2/NDF: 5356972.8/46

All: 1745.749+/-0.165 χ^2/NDF: 11874838.4/9

- sign 1772.552+/-0.238 χ^2/NDF: 6493296.0/49

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 114.873+/-65.256 χ^2/NDF: 16.9/21

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -91.638+/-62.880 χ^2/NDF: 27.4/26

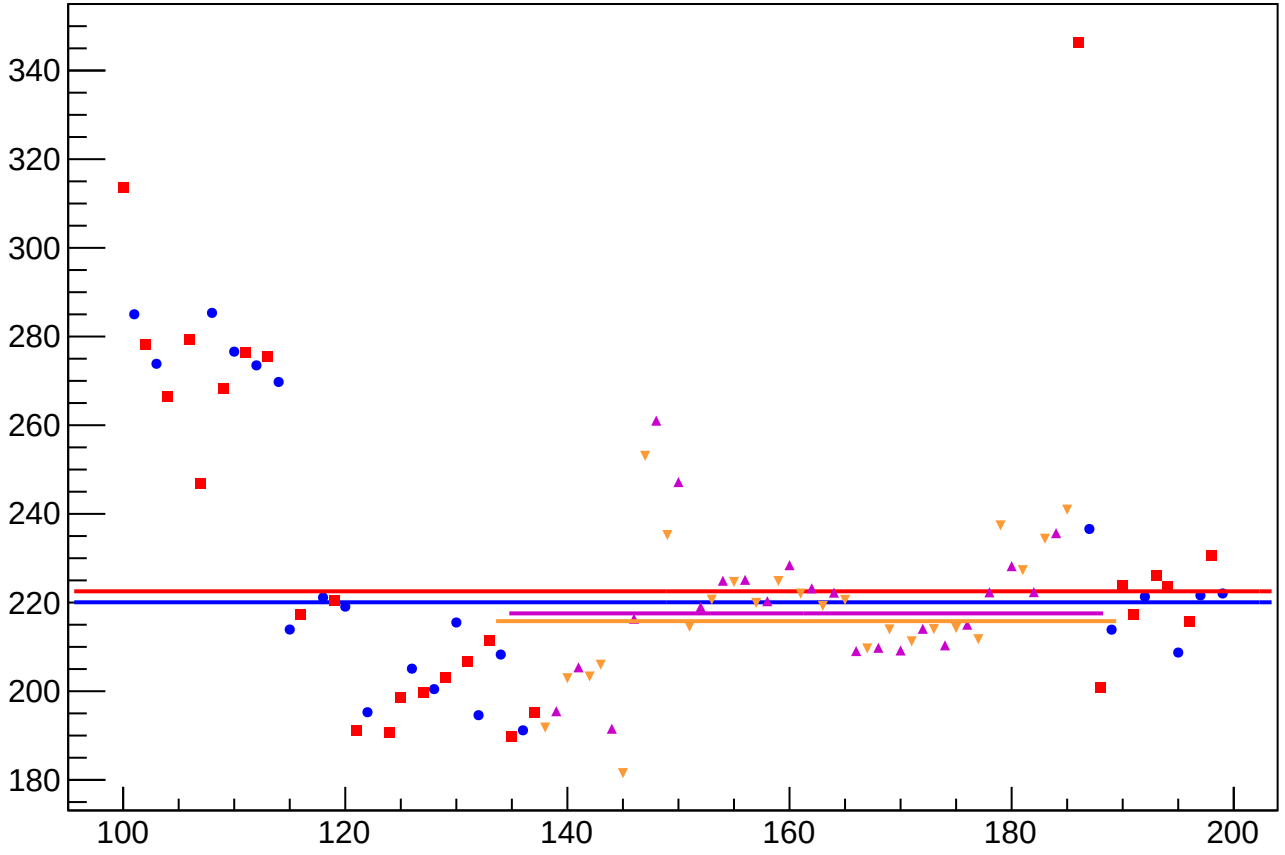
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -130.462+/-39.264 χ^2/NDF: 70.5/46

All: -17.653+/-27.878 χ^2/NDF: 152.8/96

- sign 97.030+/-39.589 χ^2/NDF: 65.7/49

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 220.061+/-0.046 χ^2/NDF: 327211.5/21

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

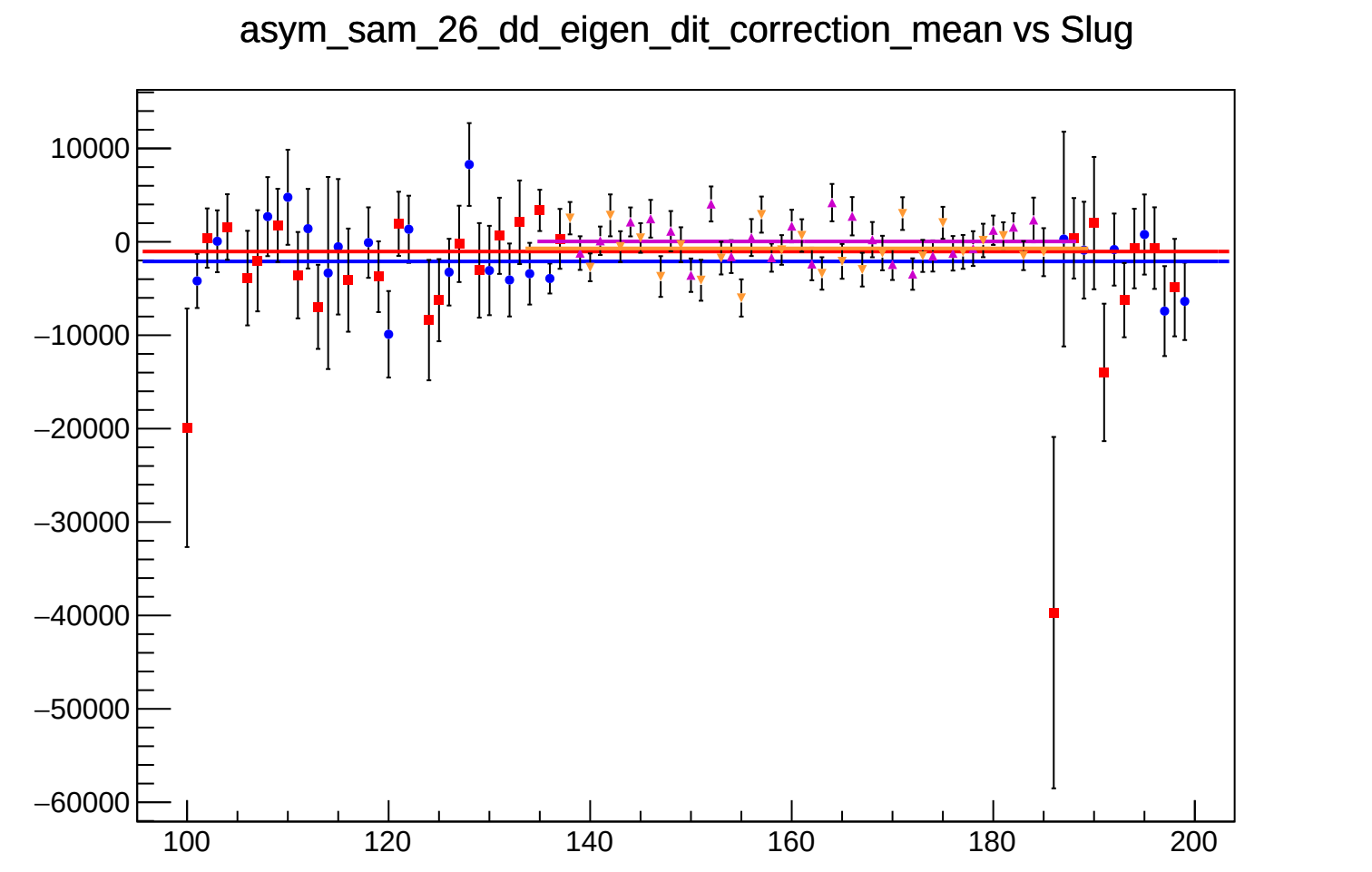
Right Out: 222.534+/-0.044 χ^2/NDF: 458997.6/26

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.347+/-0.028 χ^2/NDF: 521338.0/46

All: 218.428+/-0.020 χ^2/NDF: 1152036.8/96

- sign 219.528+/-0.028 χ^2/NDF: 627636.8/49



Right In: -2100.006+/-798.328 χ^2/NDF: 19.1/21

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1038.017+/-817.135 χ^2/NDF: 25.0/26

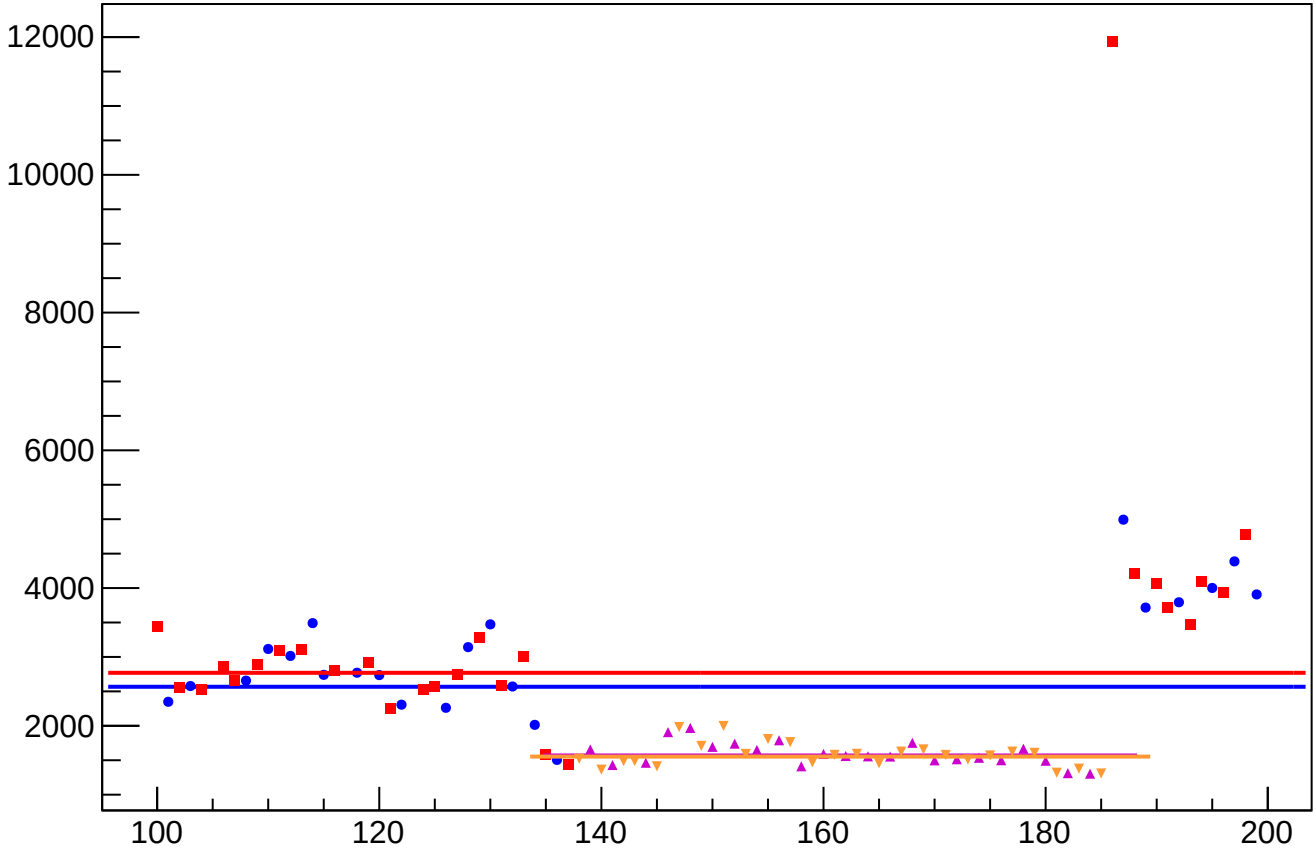
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -934.984+/-324.727 χ^2/NDF: 59.3/46

All: -552.633+/-233.569 χ^2/NDF: 122.9/96

- sign -142.778+/-336.204 χ^2/NDF: 60.8/49

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2566.754+/-0.565 χ^2/NDF: 2255691.6/21

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2769.538+/-0.578 χ^2/NDF: 2551788.3/26

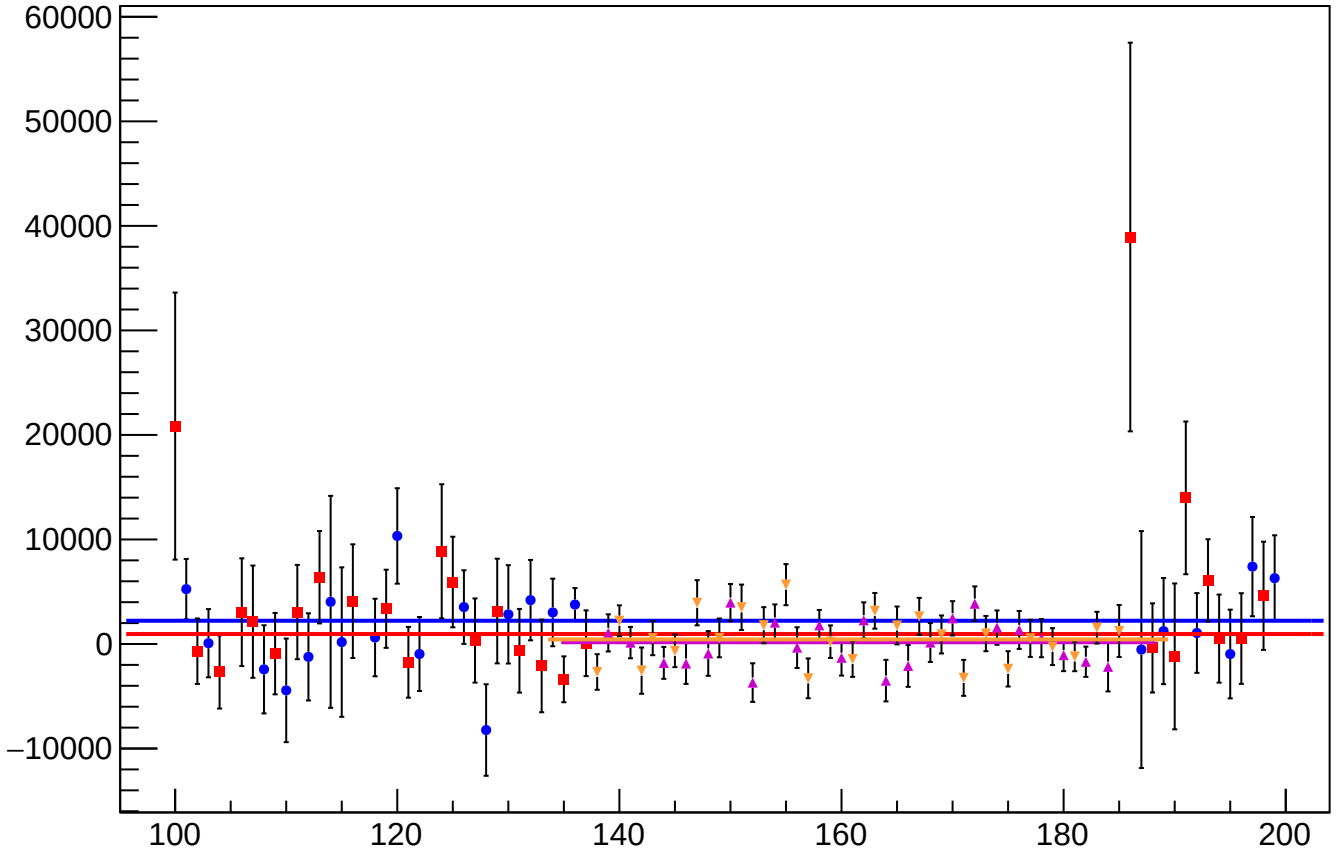
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1720.745+/-0.230 χ^2/NDF: 5356957.5/46

All: 1745.749+/-0.165 χ^2/NDF: 11874811.6/9

- sign 1772.552+/-0.238 χ^2/NDF: 6493284.9/49

asym_sam_26_dd_mean vs Slug



Right In: 2224.423+/-786.562 χ^2/NDF: 19.6/21

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 952.977+/-808.057 χ^2/NDF: 24.8/26

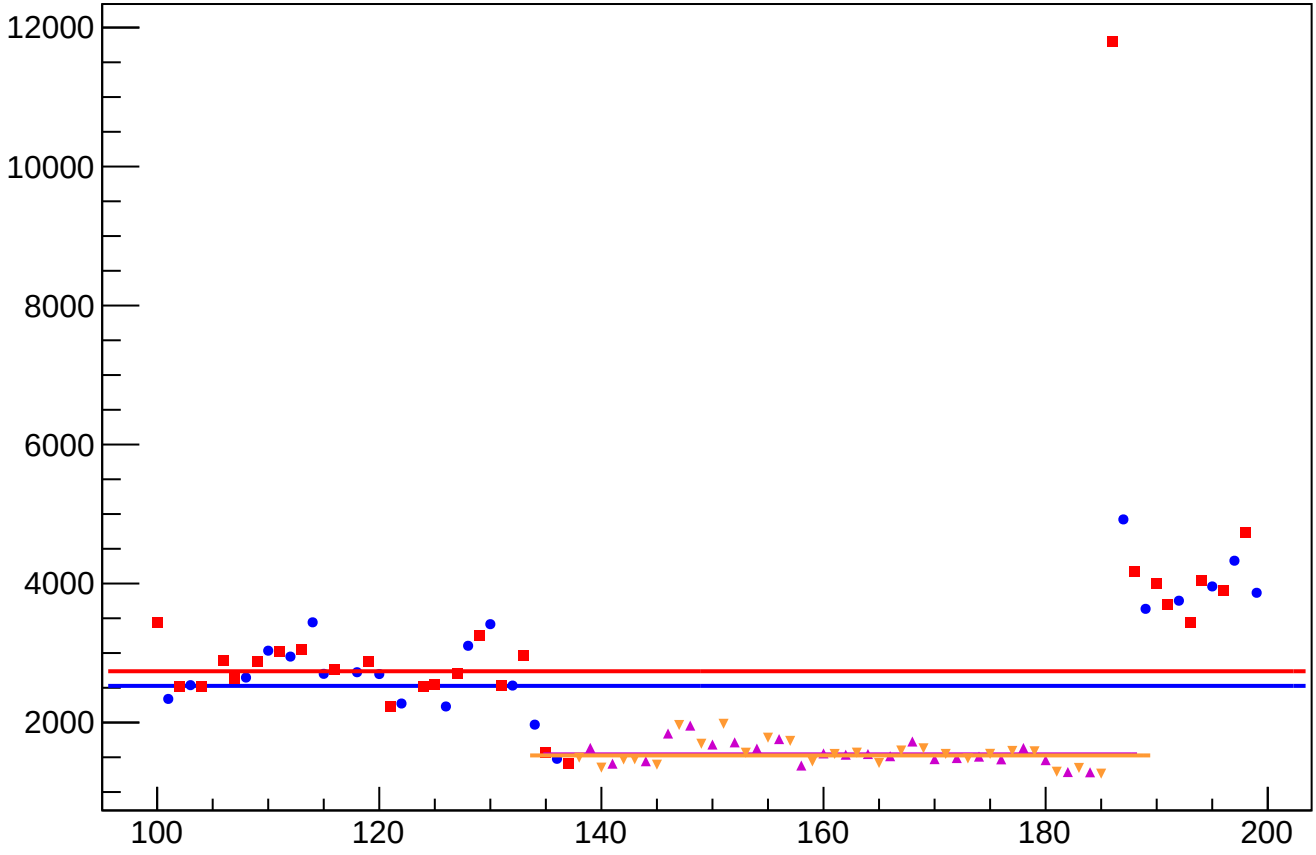
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 732.266+/-319.452 χ^2/NDF: 62.7/46

All: 524.175+/-229.787 χ^2/NDF: 122.2/96

- sign 301.061+/-330.782 χ^2/NDF: 58.6/49

asym_sam_26_dd_rms vs Slug



Right In: 2527.346+/-0.556 χ^2/NDF: 2273386.9/21

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

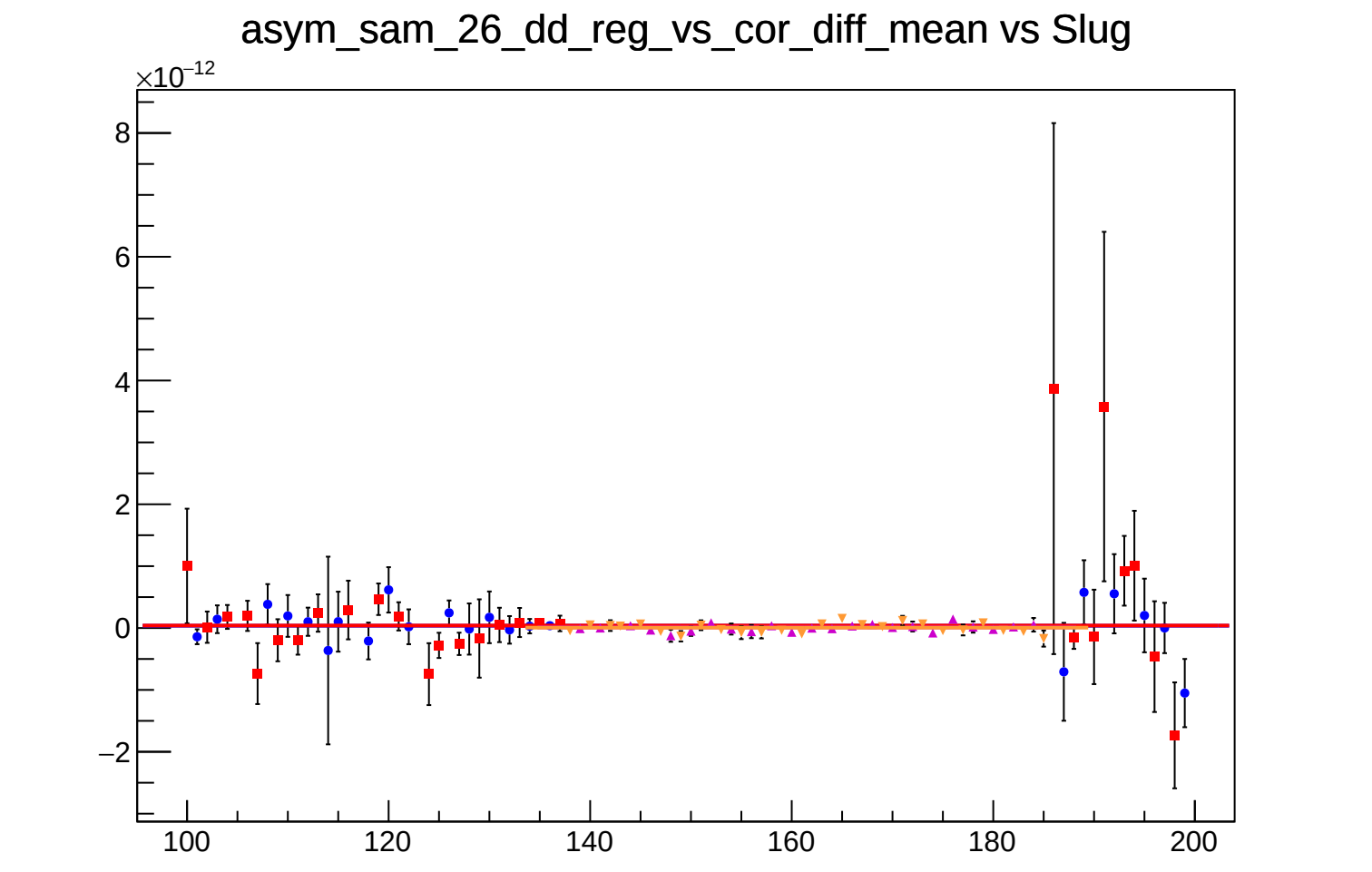
Right Out: 2737.903+/-0.571 χ^2/NDF: 2555169.5/26

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1691.775+/-0.226 χ^2/NDF: 5405670.9/46

All: 1716.311+/-0.162 χ^2/NDF: 11992555.4/9

- sign 1742.617+/-0.234 χ^2/NDF: 6562436.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/26

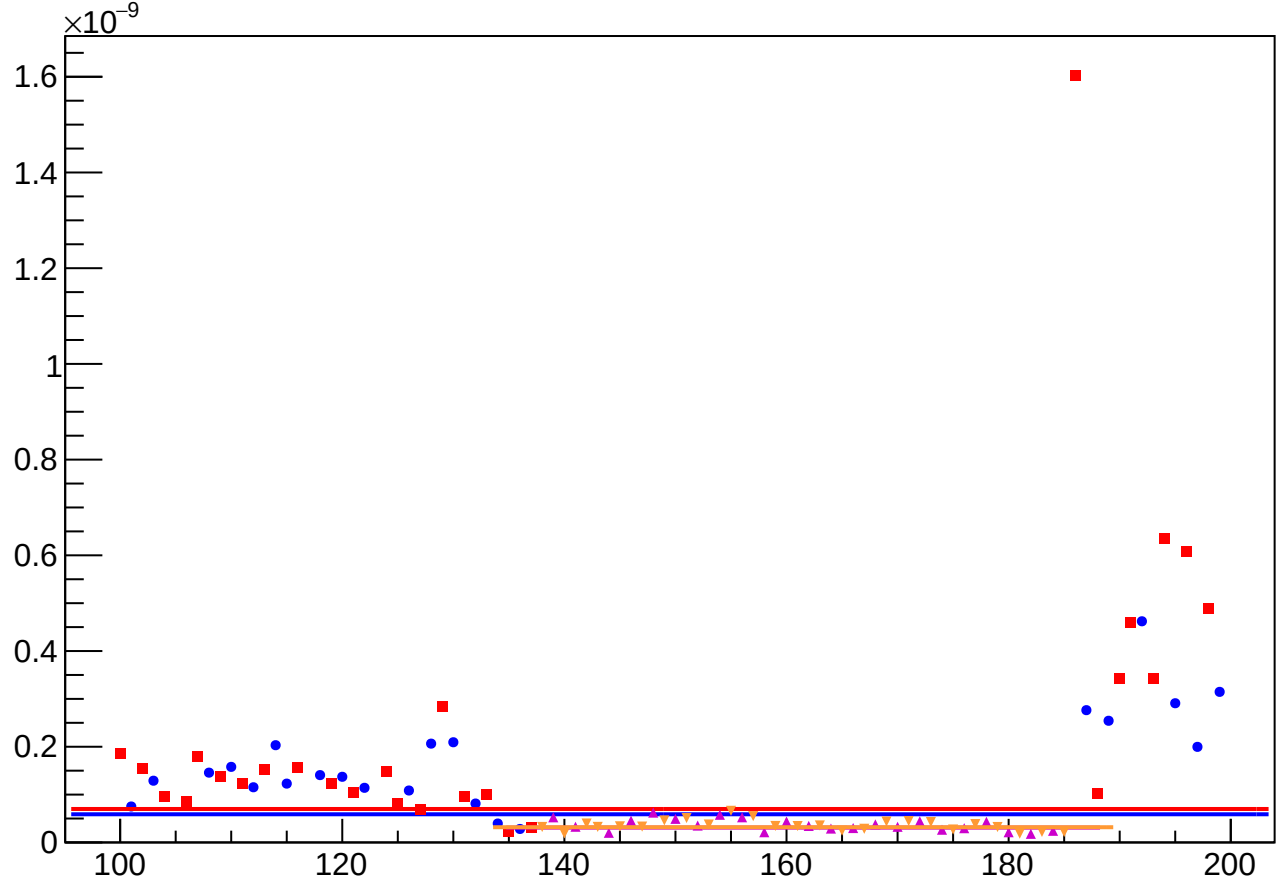
Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/46

All: 0.000+/-0.000 χ^2/NDF: 93.9/96

- 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: 4831311.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5578773.1/26

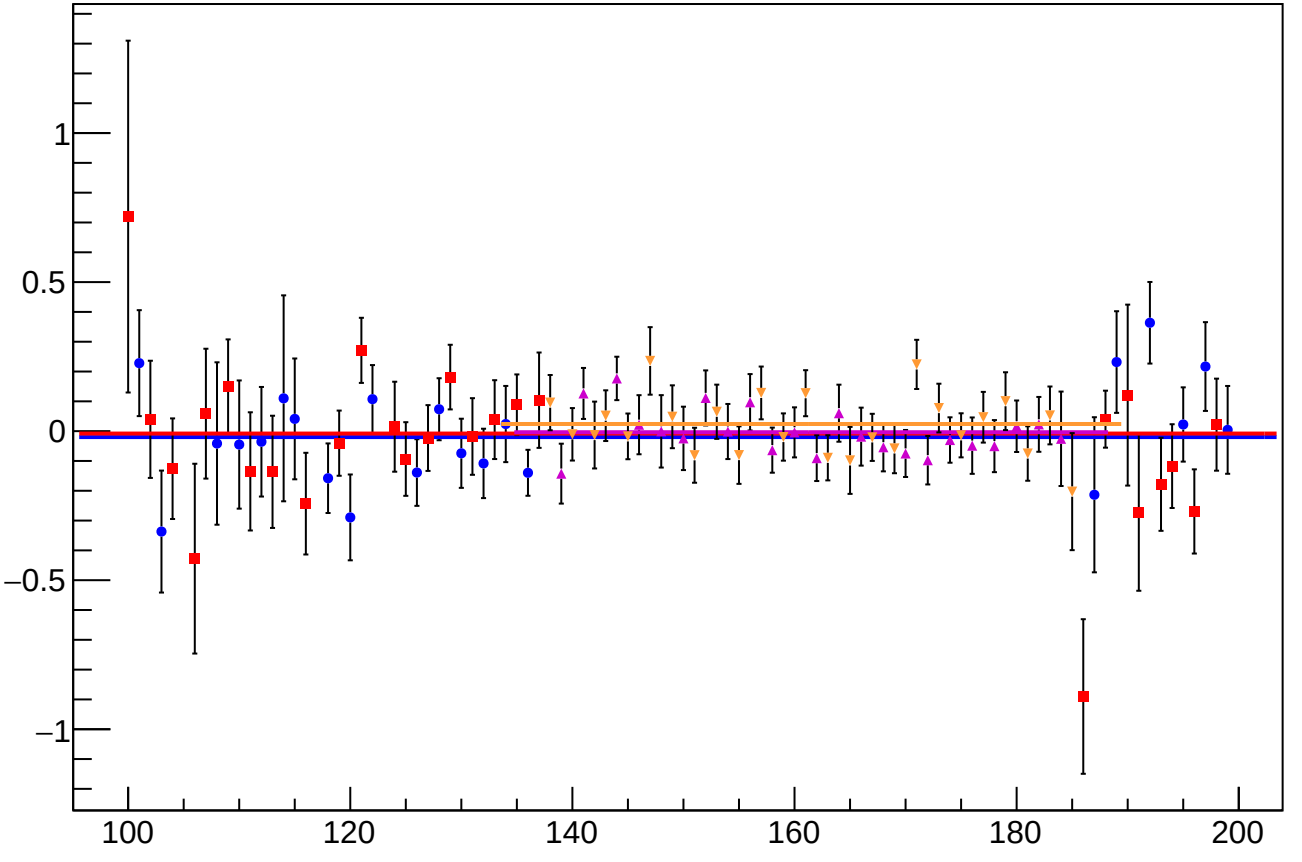
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7082673.2/46

All: 0.000+/-0.000 χ^2/NDF: 15839745.7/96

- sign 0.000+/-0.000 χ^2/NDF: 8756102.4/49

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.008+/-0.028 χ^2/NDF: 37.7/26

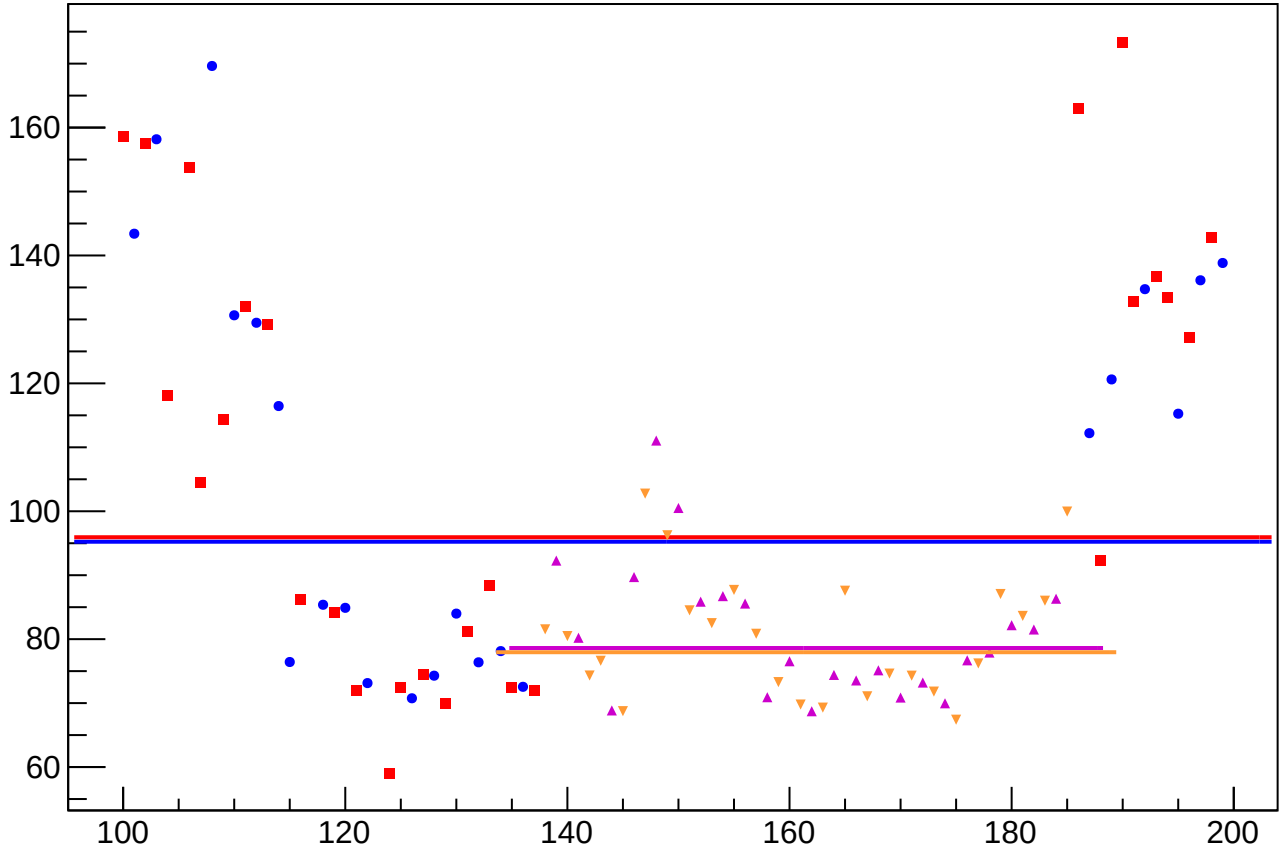
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/46

All: 0.004+/-0.011 χ^2/NDF: 113.6/96

- sign -0.005+/-0.016 χ^2/NDF: 56.5/49

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 95.237+/-0.021 χ^2/NDF: 1787542.1/21

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

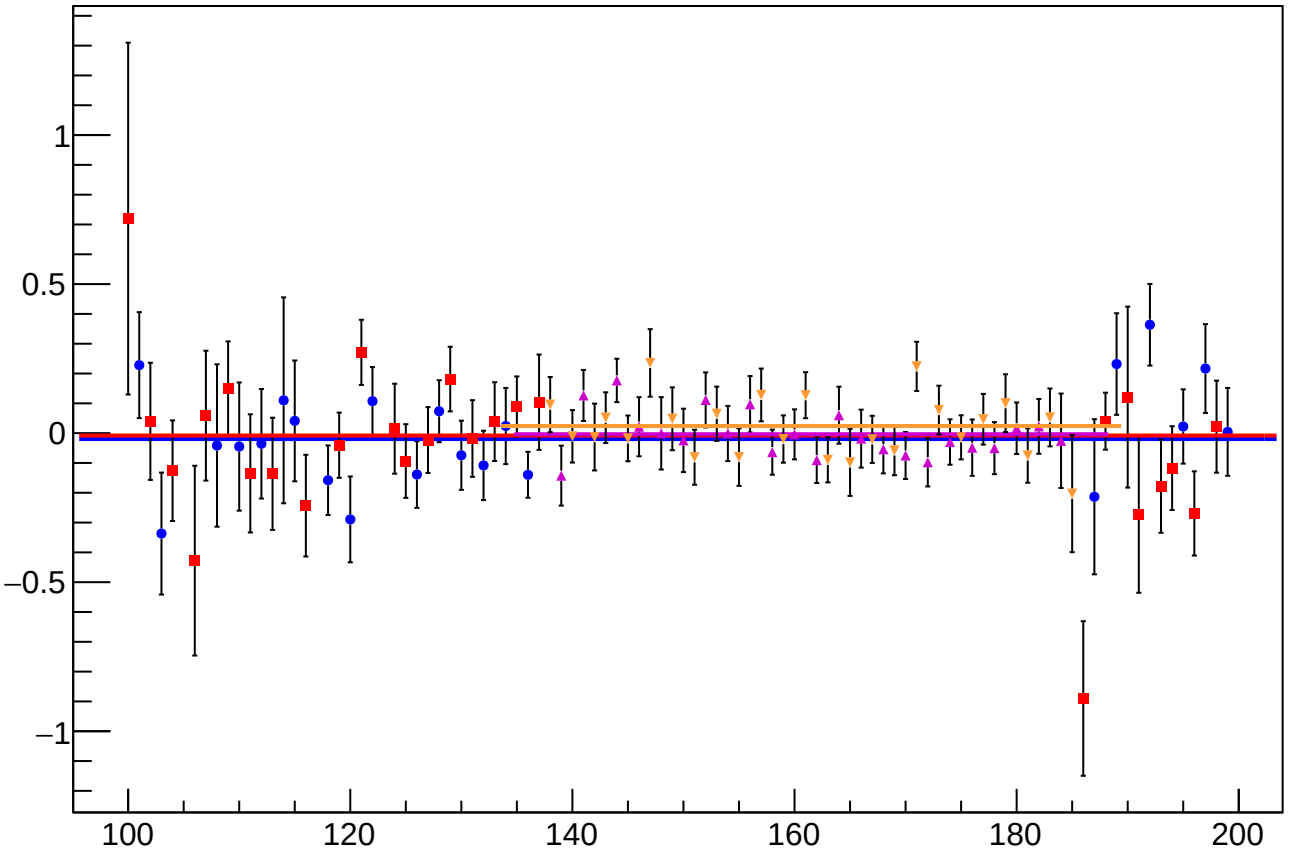
Right Out: 95.938+/-0.020 χ^2/NDF: 2037165.7/26

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

\+ sign 82.621+/-0.011 χ^2/NDF: 2732780.2/46

All: 83.222+/-0.008 χ^2/NDF: 5799500.5/96

\- sign 83.842+/-0.011 χ^2/NDF: 3060424.6/49



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

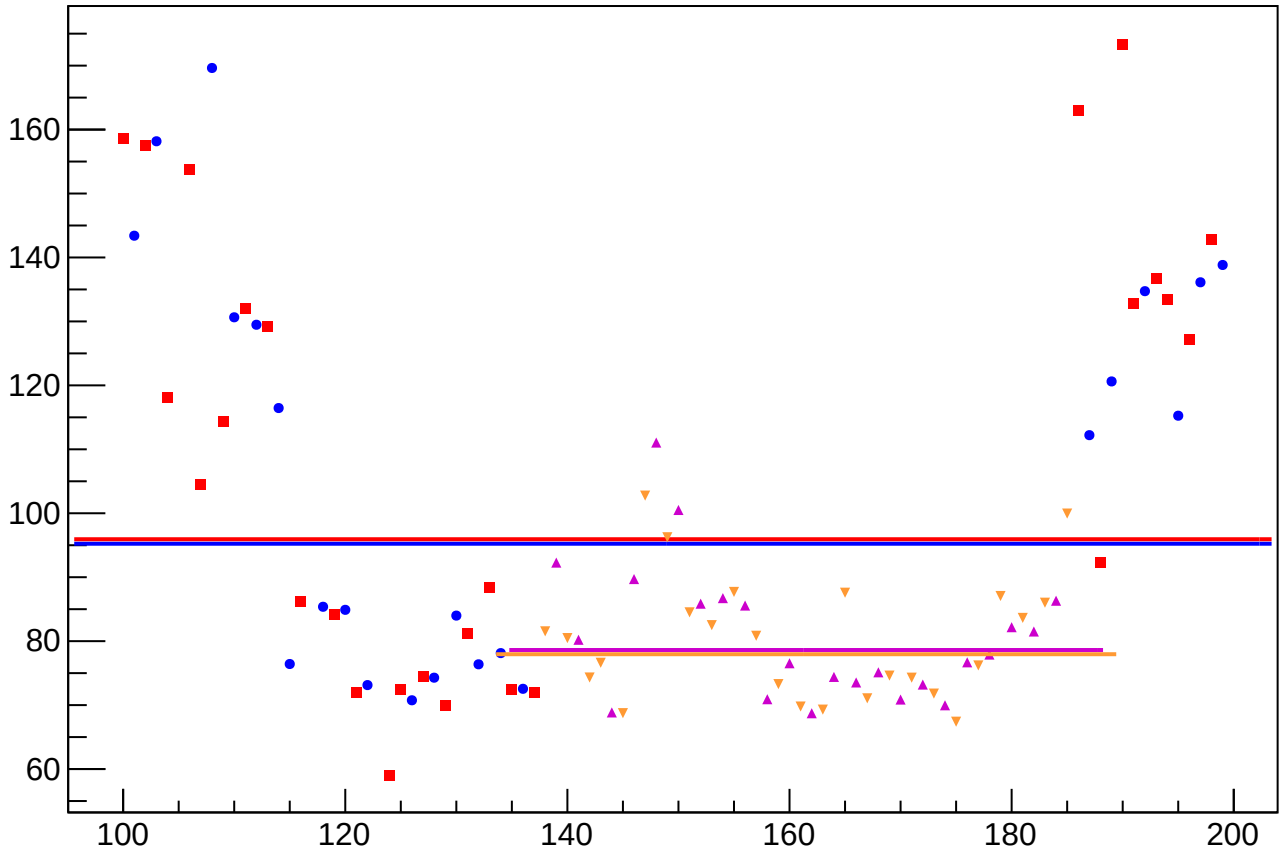
Right Out: -0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/46

All: 0.004+/-0.011 χ^2/NDF: 113.6/96

- sign -0.005+/-0.016 χ^2/NDF: 56.5/49



Right In: 95.237+/-0.021 χ^2/NDF: 1787542.1/21

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

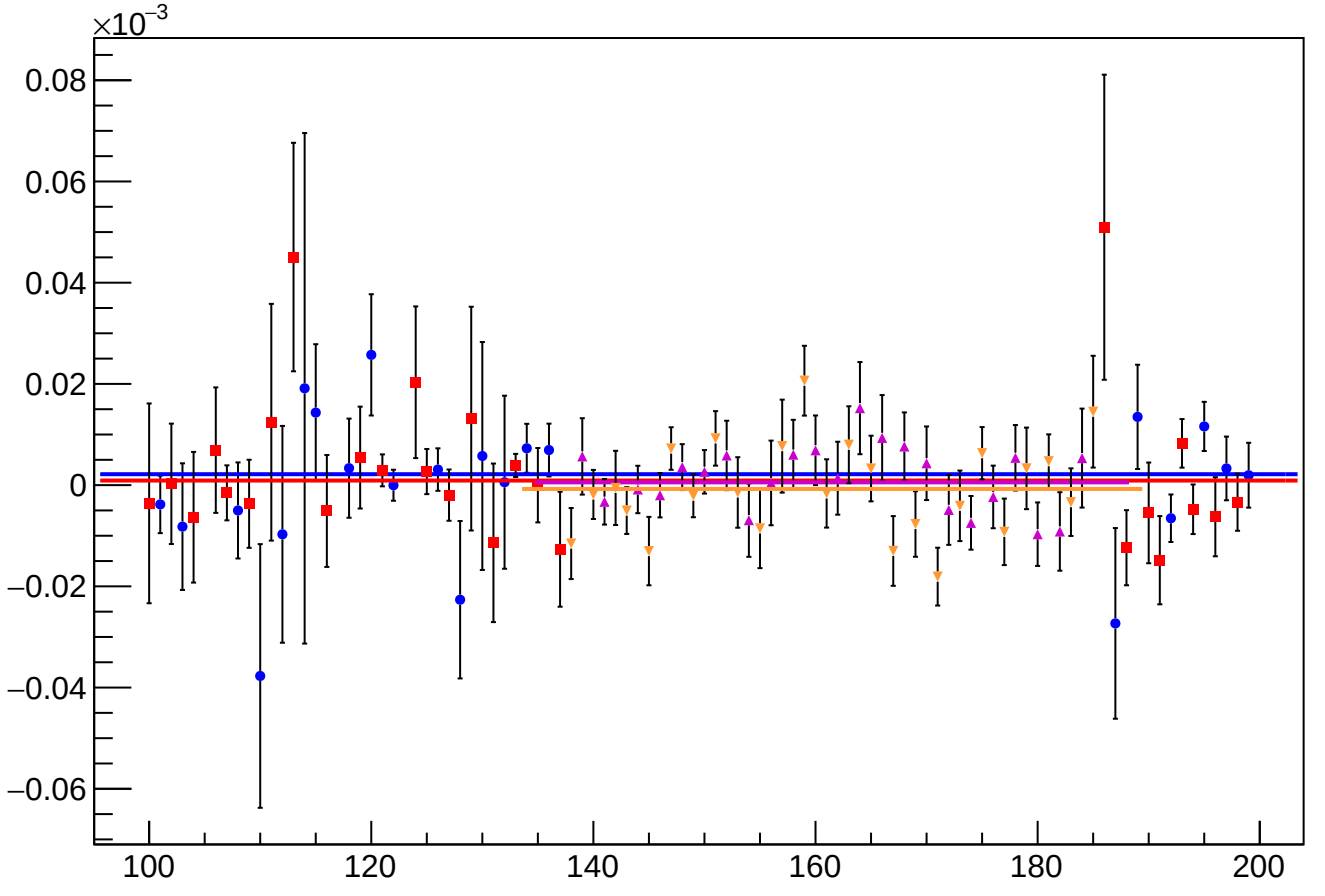
Right Out: 95.938+/-0.020 χ^2/NDF: 2037165.7/26

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 82.621+/-0.011 χ^2/NDF: 2732780.2/46

All: 83.222+/-0.008 χ^2/NDF: 5799500.5/96

- sign 83.842+/-0.011 χ^2/NDF: 3060424.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

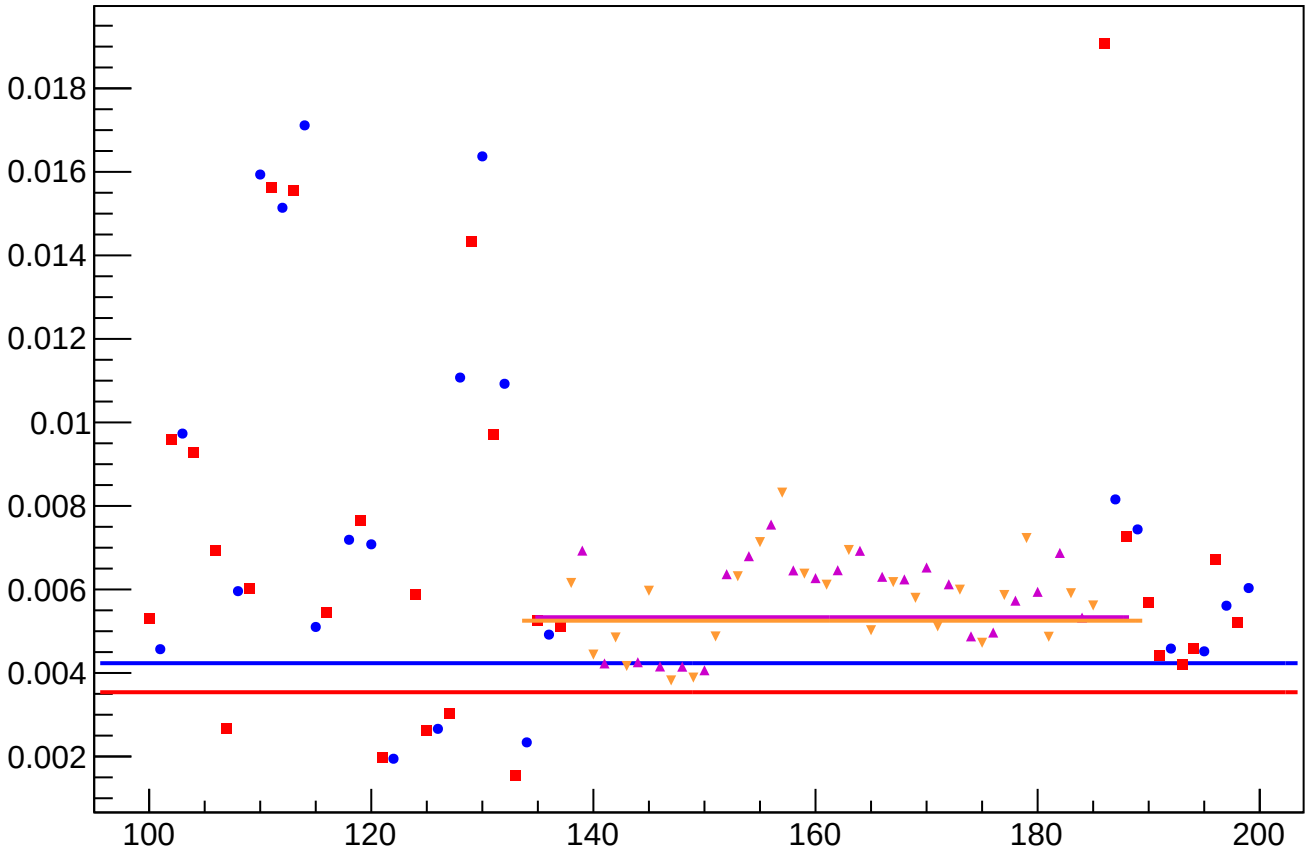
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/26

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.7/46

All: 0.000+/-0.000 χ^2/NDF: 121.5/96

- sign 0.000+/-0.000 χ^2/NDF: 45.7/49



Right In: 0.004+/-0.000 χ^2/NDF: 5379211.1/21

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

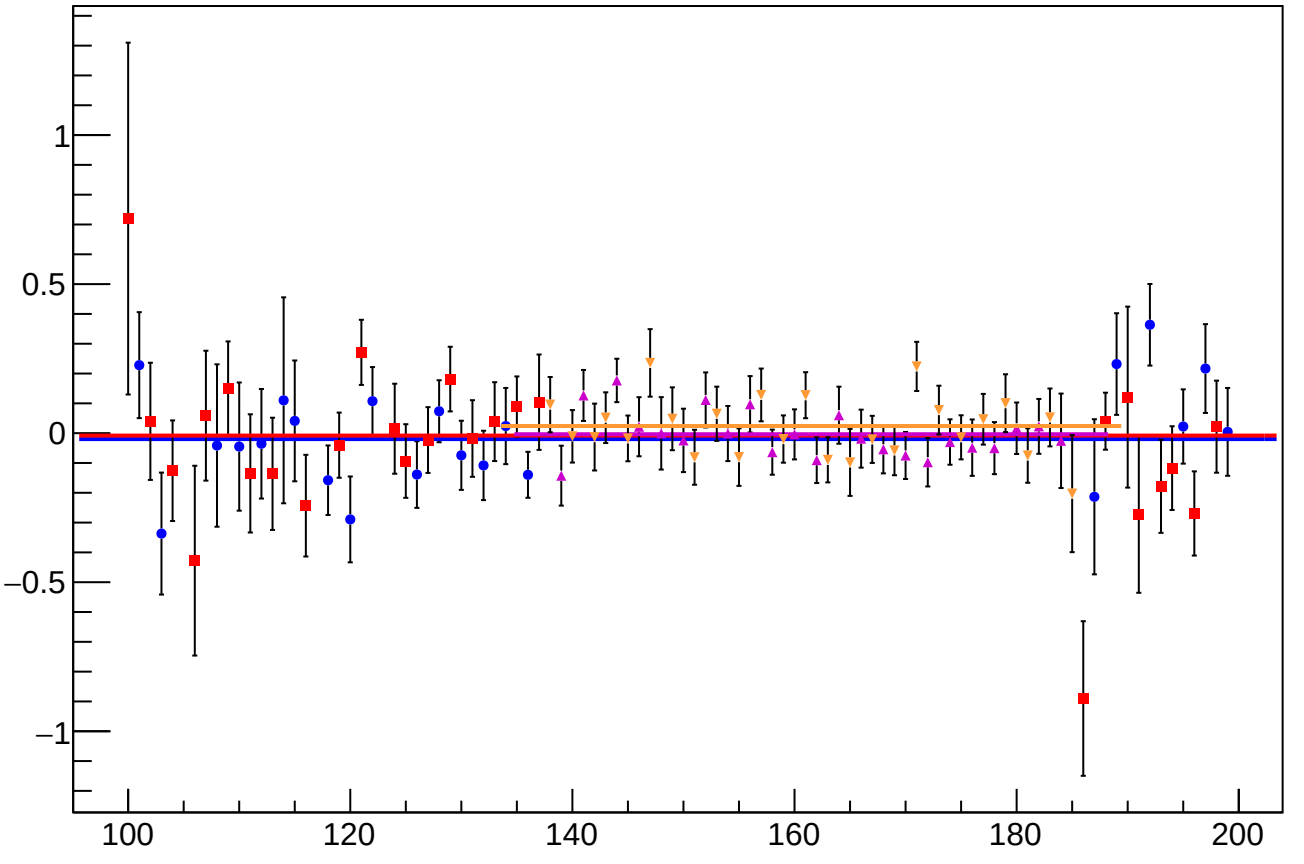
Right Out: 0.004+/-0.000 χ^2/NDF: 7673293.7/26

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7467425.9/46

All: 0.005+/-0.000 χ^2/NDF: 18965354.7/96

- sign 0.004+/-0.000 χ^2/NDF: 11260023.1/49



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

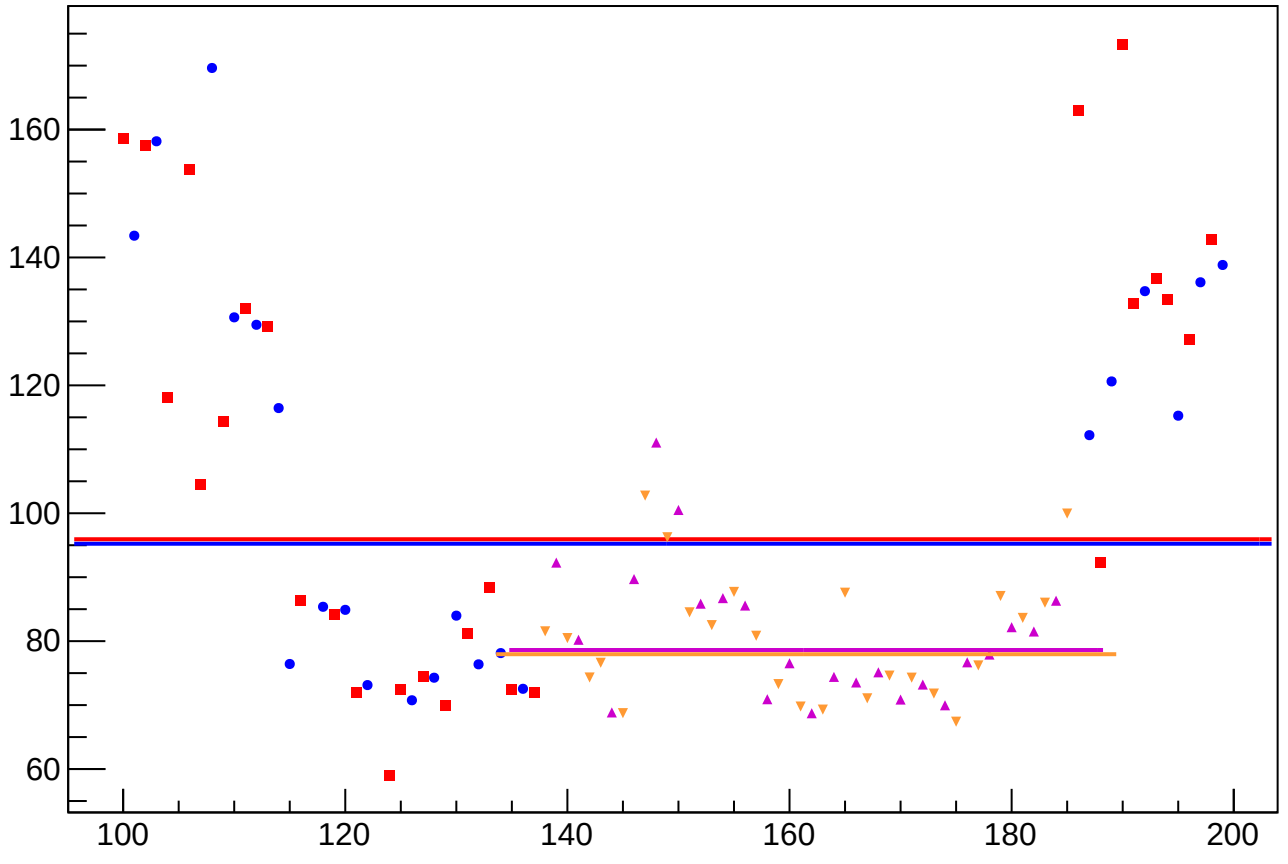
Right Out: -0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/46

All: 0.004+/-0.011 χ^2/NDF: 113.6/96

- sign -0.005+/-0.016 χ^2/NDF: 56.5/49



Right In: 95.234+/-0.021 χ^2/NDF: 1787608.3/21

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

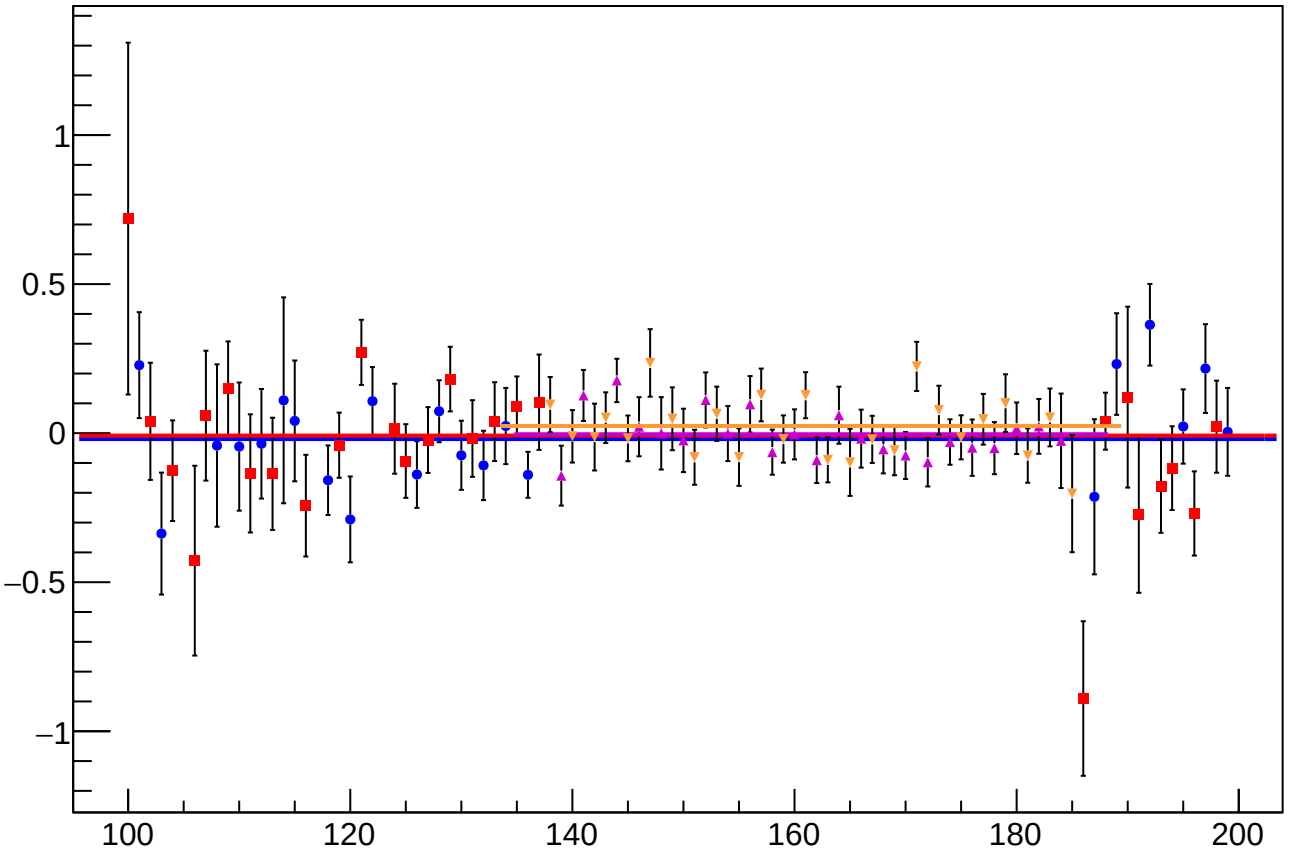
Right Out: 95.936+/-0.020 χ^2/NDF: 2037216.9/26

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 82.620+/-0.011 χ^2/NDF: 2732789.6/46

All: 83.221+/-0.008 χ^2/NDF: 5799532.3/96

- sign 83.841+/-0.011 χ^2/NDF: 3060449.0/49



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

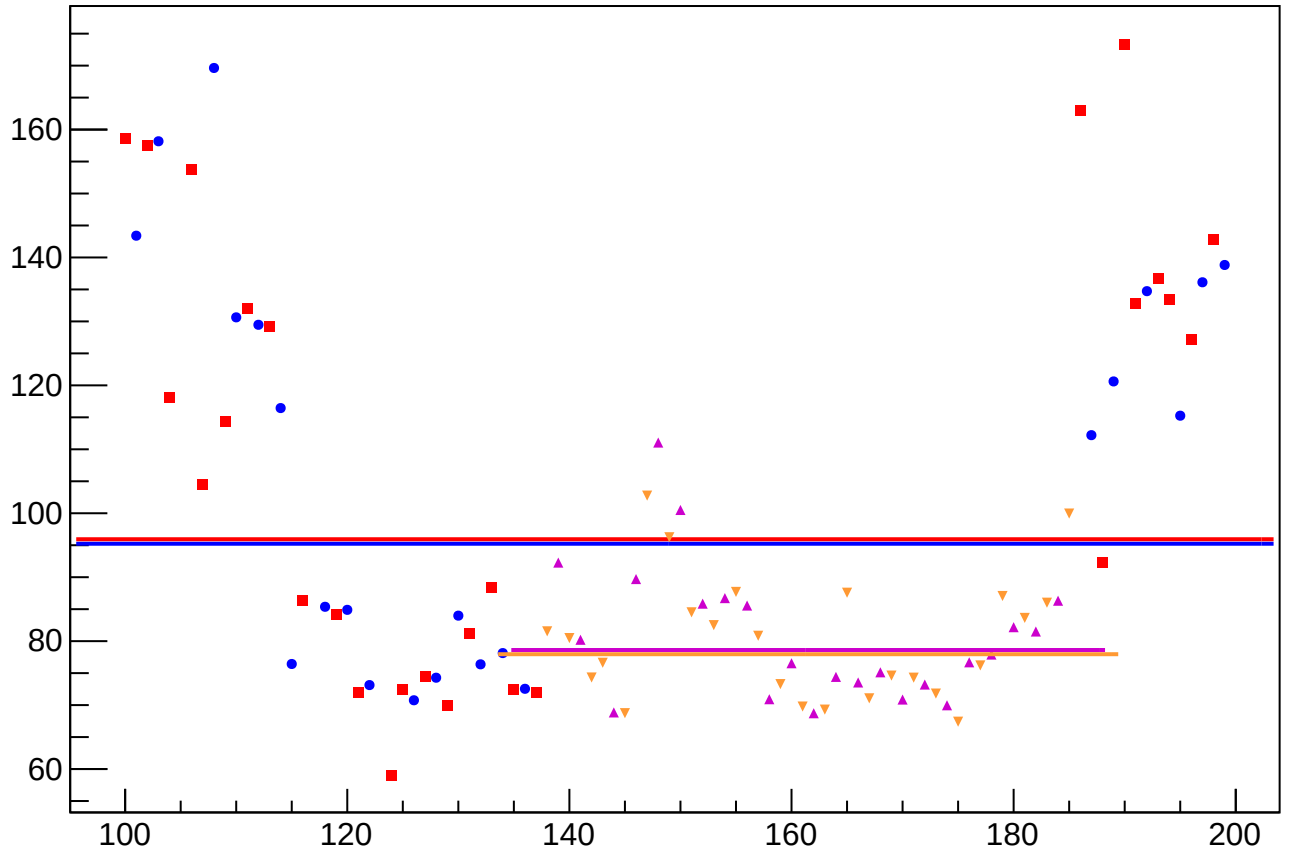
Right Out: -0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/46

All: 0.004+/-0.011 χ^2/NDF: 113.6/96

- sign -0.005+/-0.016 χ^2/NDF: 56.5/49



Right In: 95.234+/-0.021 χ^2/NDF: 1787608.3/21

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

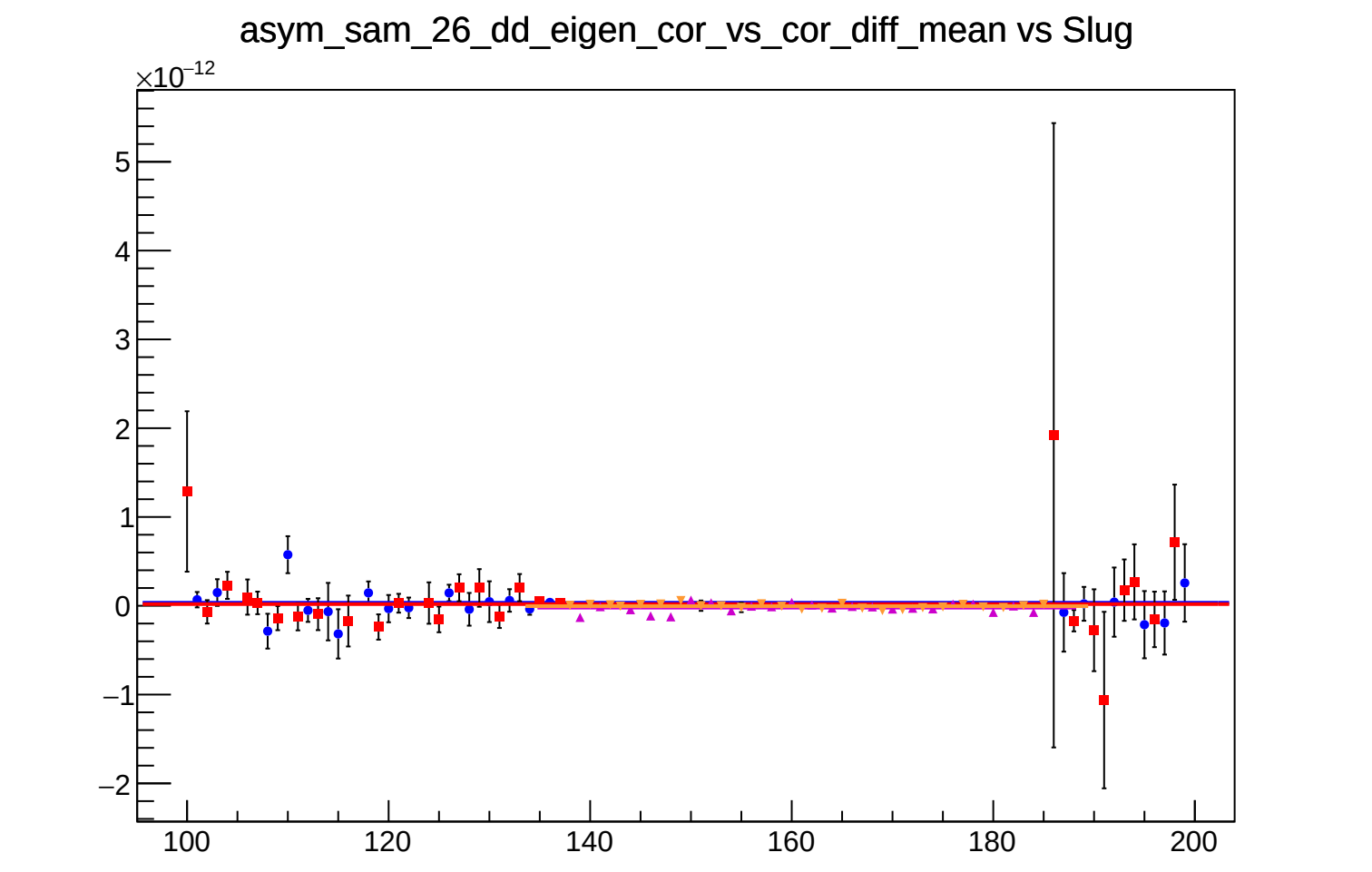
Right Out: 95.936+/-0.020 χ^2/NDF: 2037216.9/26

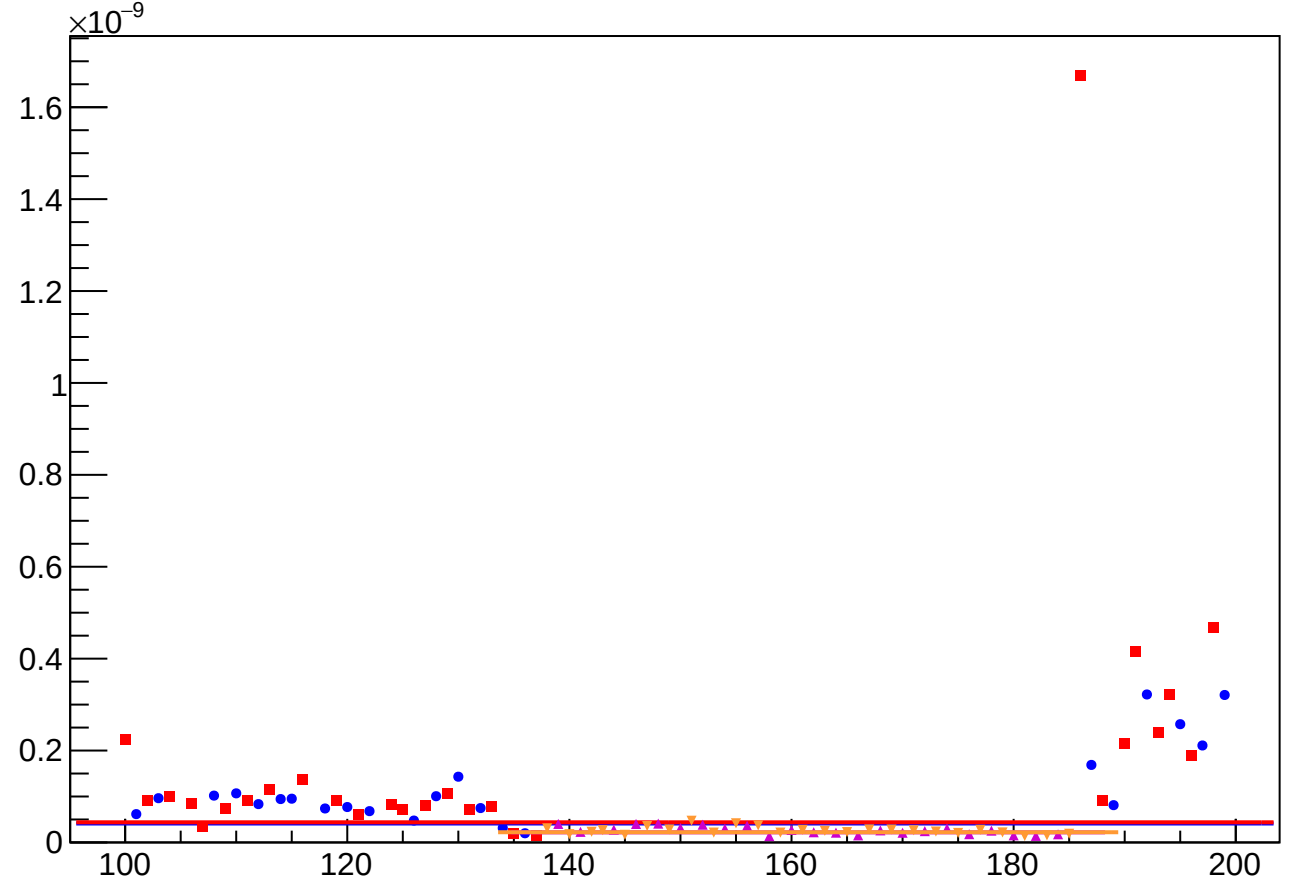
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 82.620+/-0.011 χ^2/NDF: 2732789.6/46

All: 83.221+/-0.008 χ^2/NDF: 5799532.3/96

- 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: 17.5/21
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: 33.9/46
All: -0.000+/-0.000 χ²/NDF: 105.1/96
- sign -0.000+/-0.000 χ²/NDF: 67.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 6732607.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8327329.4/26

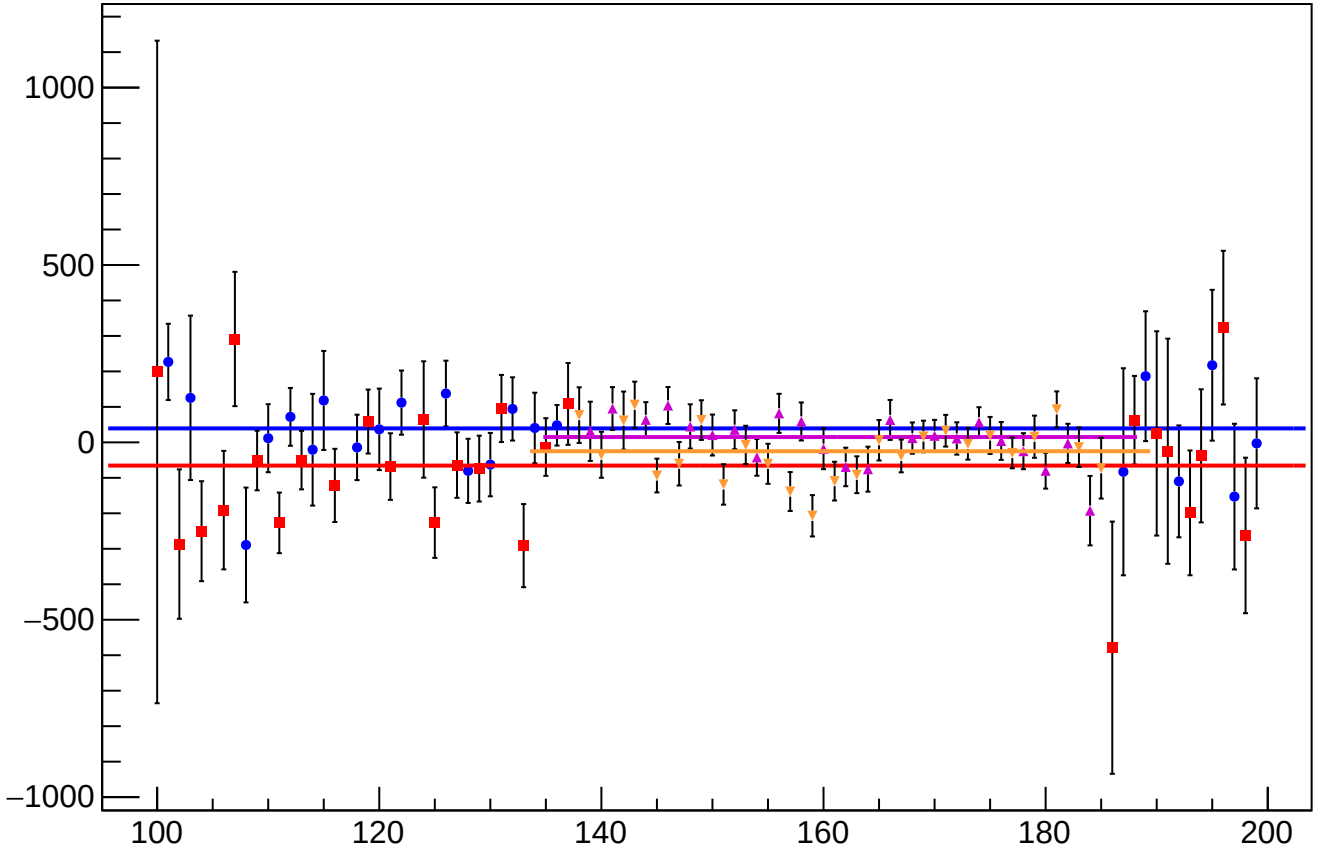
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10626670.5/46

All: 0.000+/-0.000 χ^2/NDF: 23629784.0/96

- sign 0.000+/-0.000 χ^2/NDF: 13002987.1/49

reg_asym_sam_37_dd_mean vs Slug



Right In: 39.337+/-23.162 χ^2/NDF: 16.9/21

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 -13.347+/-9.853 χ^2/NDF: 66.3/46

All: -7.011+/-7.050 χ^2/NDF: 135.0/96

- sign -0.365+/-10.091 χ^2/NDF: 67.8/49

reg_asym_sam_37_dd_rms vs Slug

Right In: 71.009+/-0.016 χ^2/NDF: 3819228.2/21

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

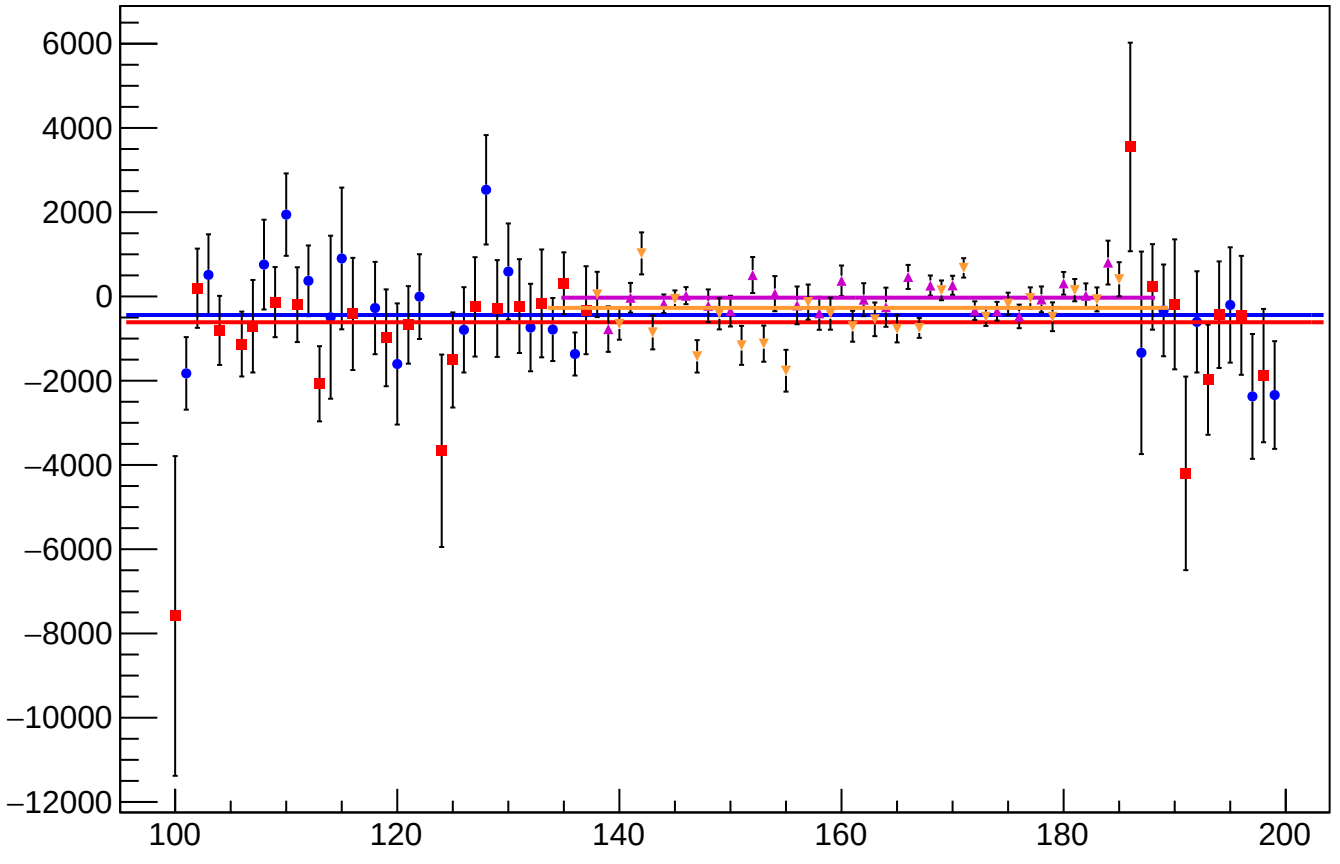
Right Out: 73.816+/-0.016 χ^2/NDF: 4495736.5/26

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.577+/-0.007 χ^2/NDF: 6255200.6/46

All: 52.009+/-0.005 χ^2/NDF: 13526887.2/96

- sign 52.461+/-0.007 χ^2/NDF: 7263828.4/49



Right In: -440.508+/-218.777 χ^2/NDF: 27.1/21

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -612.271+/-212.367 χ^2/NDF: 20.3/26

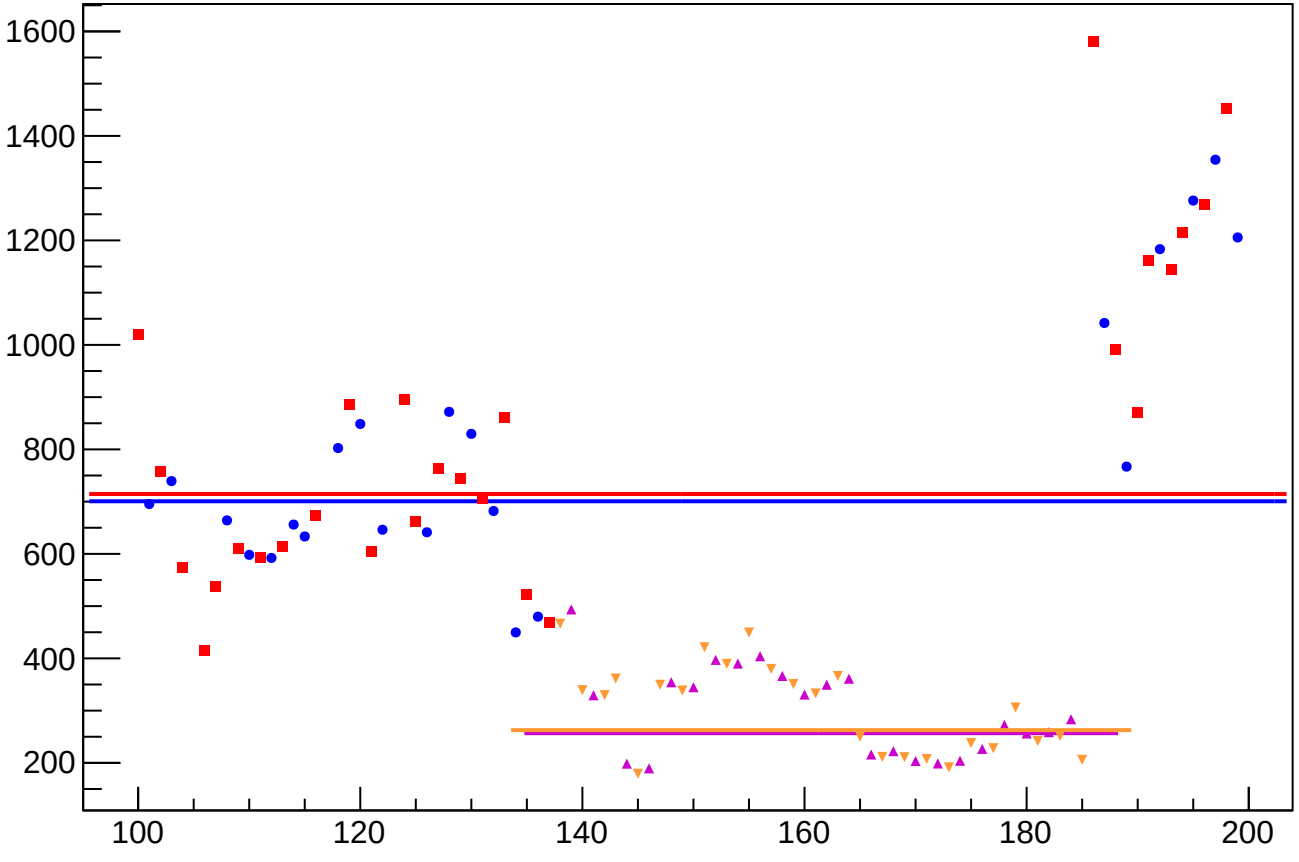
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -283.761+/-59.959 χ^2/NDF: 101.5/46

All: -180.094+/-42.450 χ^2/NDF: 159.1/96

- sign -75.910+/-60.108 χ^2/NDF: 51.6/49

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 700.690+/-0.155 χ^2/NDF: 2201589.6/21

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 714.571+/-0.150 χ^2/NDF: 2657473.5/26

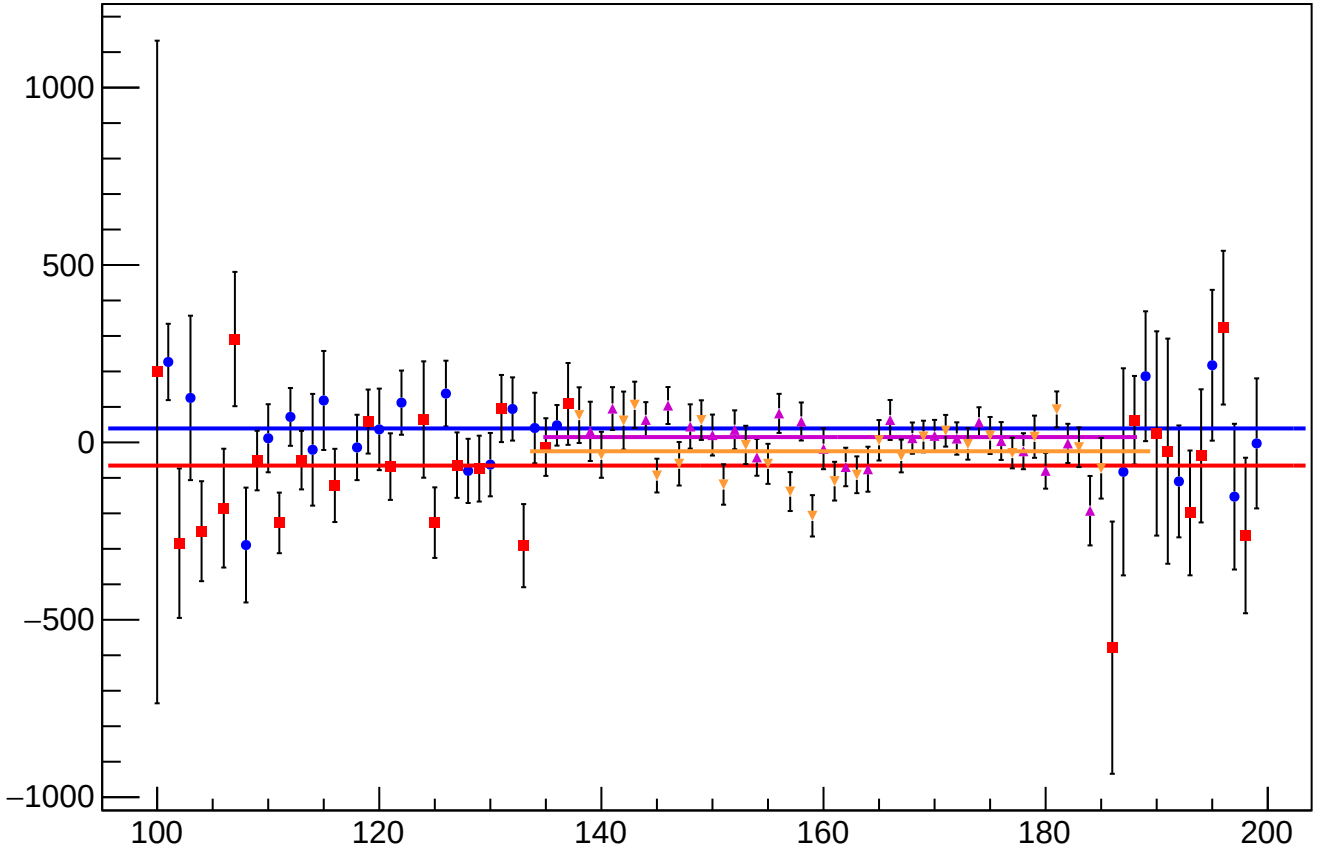
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 295.578+/-0.042 χ^2/NDF: 12509446.4/46

All: 294.547+/-0.030 χ^2/NDF: 26354159.2/96

- sign 293.511+/-0.043 χ^2/NDF: 13843527.2/49

cor_asym_sam_37_dd_mean vs Slug



Right In: 39.331+/-23.162 χ^2/NDF: 16.9/21

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -65.326+/-23.101 χ^2/NDF: 33.2/26

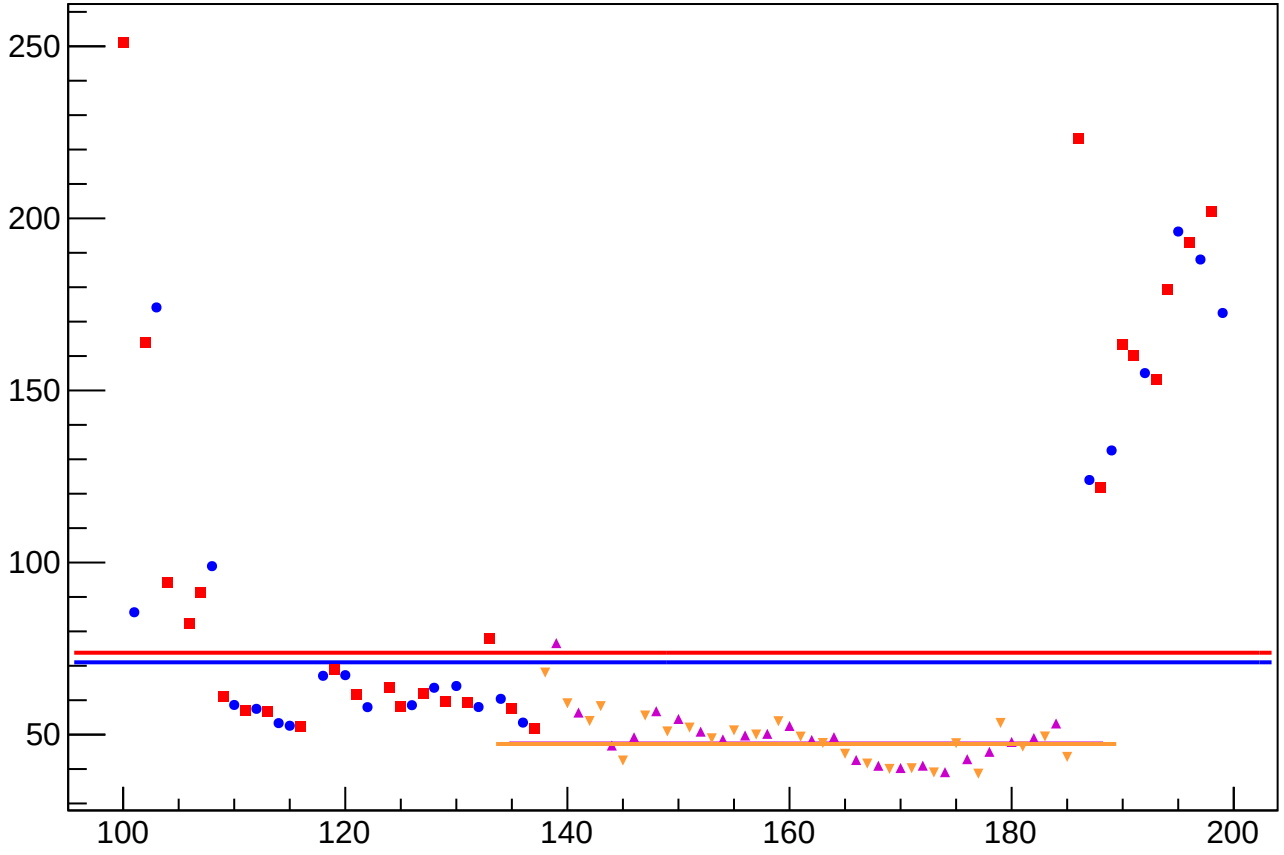
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.345+/-9.853 χ^2/NDF: 66.3/46

All: -6.995+/-7.050 χ^2/NDF: 134.9/96

- sign -0.334+/-10.091 χ^2/NDF: 67.7/49

cor_asym_sam_37_dd_rms vs Slug



Right In: 71.009+/-0.016 χ^2/NDF: 3819230.6/21

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

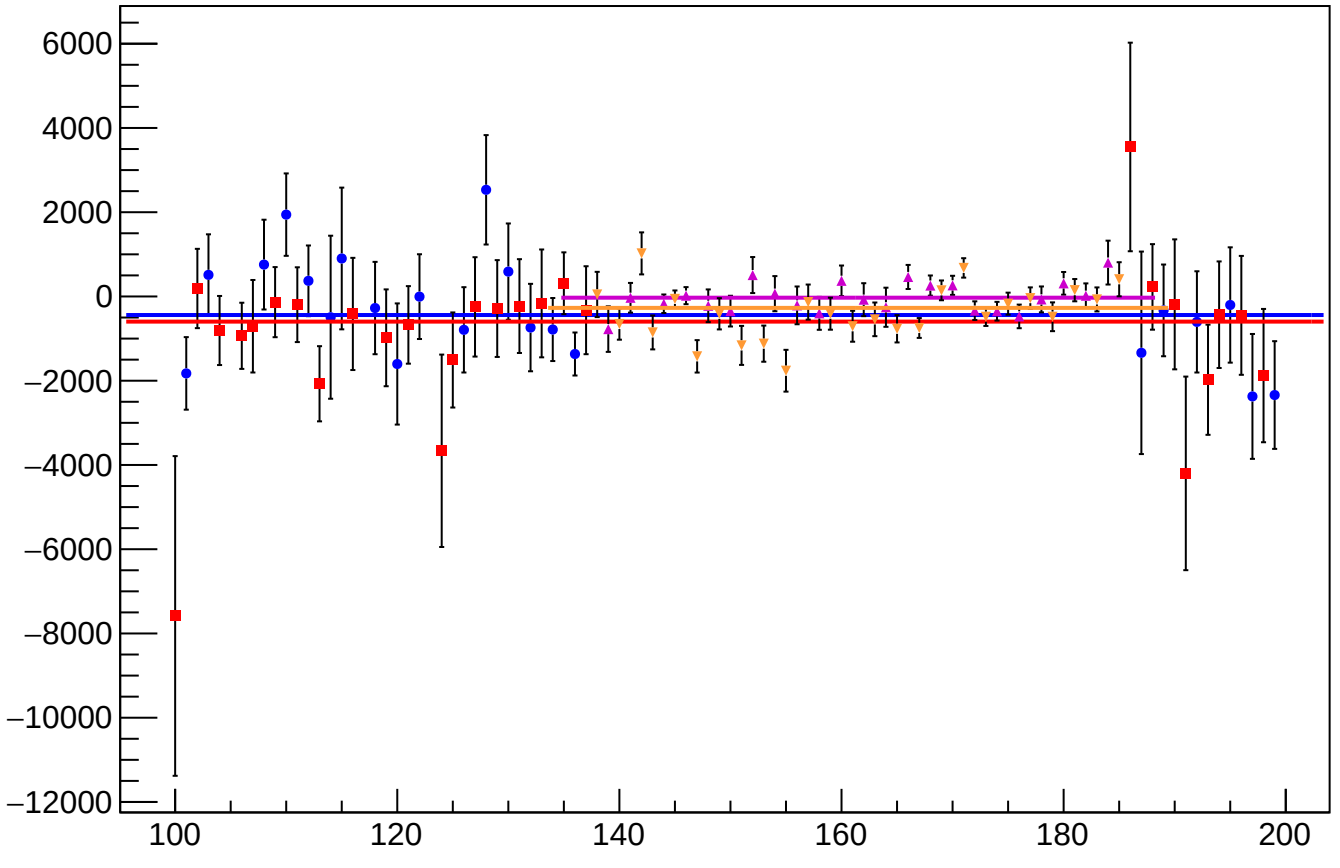
Right Out: 73.796+/-0.016 χ^2/NDF: 4494585.2/26

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.577+/-0.007 χ^2/NDF: 6255202.3/46

All: 52.007+/-0.005 χ^2/NDF: 13522194.3/96

- sign 52.457+/-0.007 χ^2/NDF: 7259211.1/49



Right In: -440.508+/-218.778 χ^2/NDF: 27.1/21

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -596.901+/-212.695 χ^2/NDF: 20.0/26

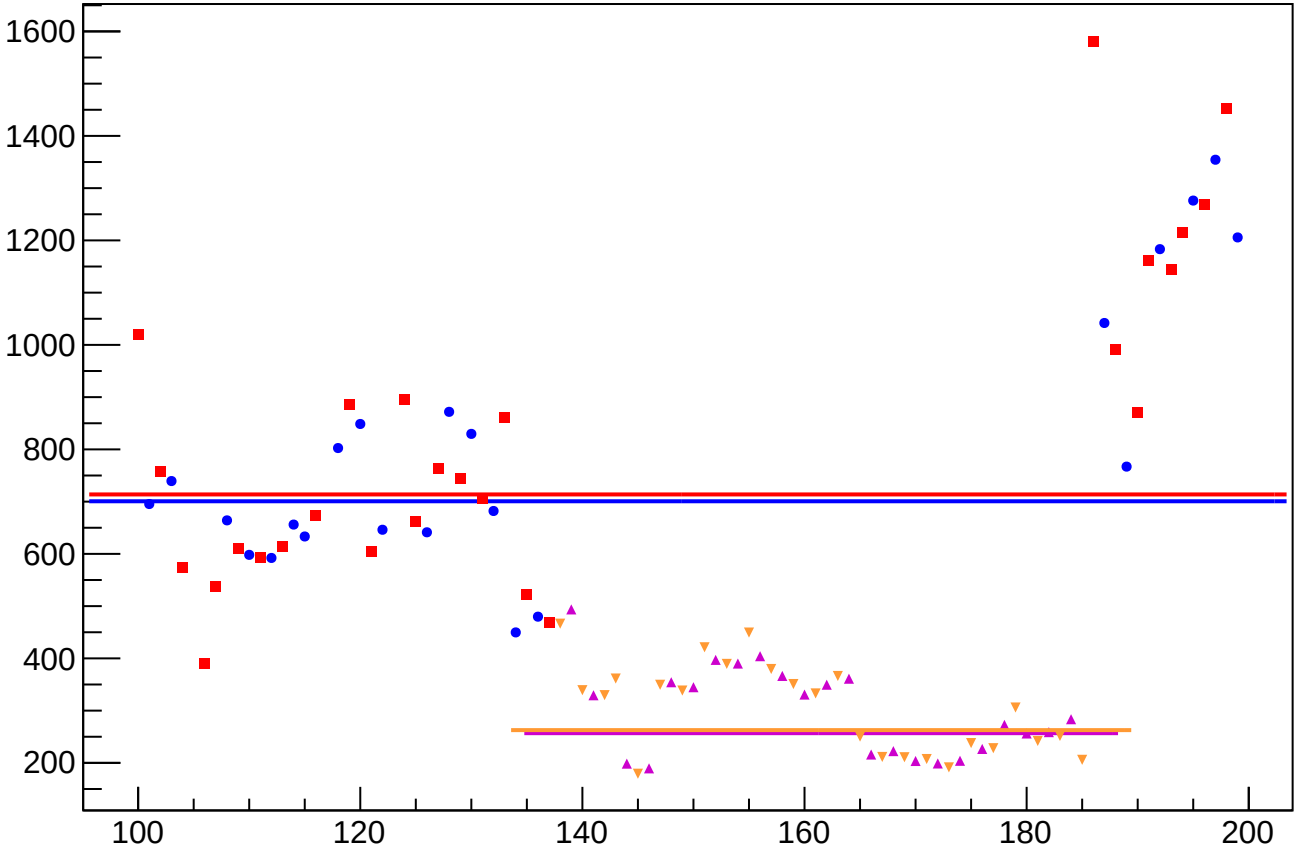
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -283.756+/-59.959 χ^2/NDF: 101.5/46

All: -179.427+/-42.453 χ^2/NDF: 158.5/96

- sign -74.552+/-60.115 χ^2/NDF: 50.9/49

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 700.694+/-0.155 χ^2/NDF: 2201599.7/21

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 713.782+/-0.150 χ^2/NDF: 2693068.5/26

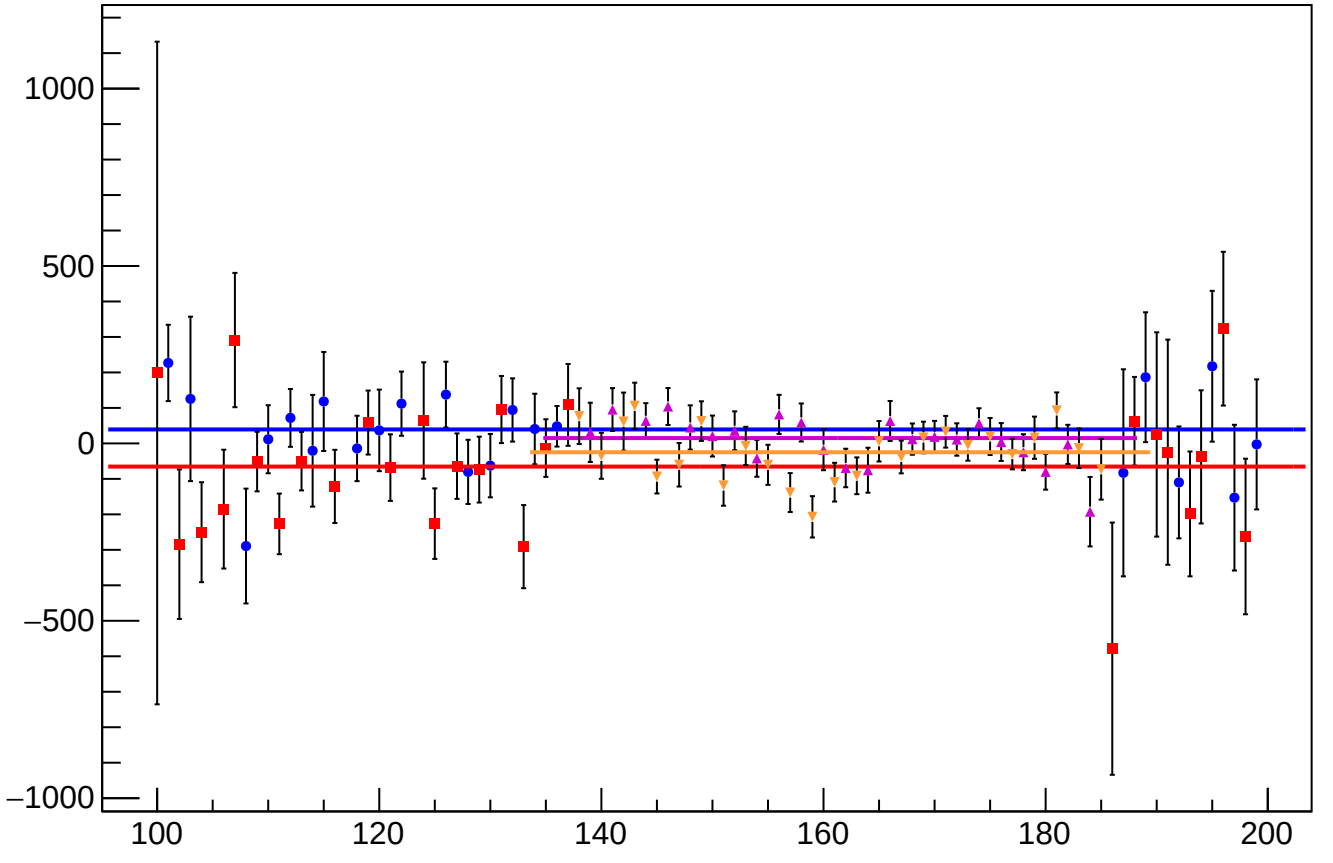
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 295.578+/-0.042 χ^2/NDF: 12509500.1/46

All: 294.464+/-0.030 χ^2/NDF: 26336429.4/96

- sign 293.344+/-0.043 χ^2/NDF: 13825544.8/49

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 39.331+/-23.162 χ^2/NDF: 16.9/21

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 -13.345+/-9.853 χ^2/NDF: 66.3/46

All: -6.995+/-7.050 χ^2/NDF: 134.9/96

- sign -0.334+/-10.091 χ^2/NDF: 67.7/49

eigen_cor_asym_sam_37_dd_rms vs Slug

Right In: 71.009+/-0.016 χ^2/NDF: 3819230.6/21

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

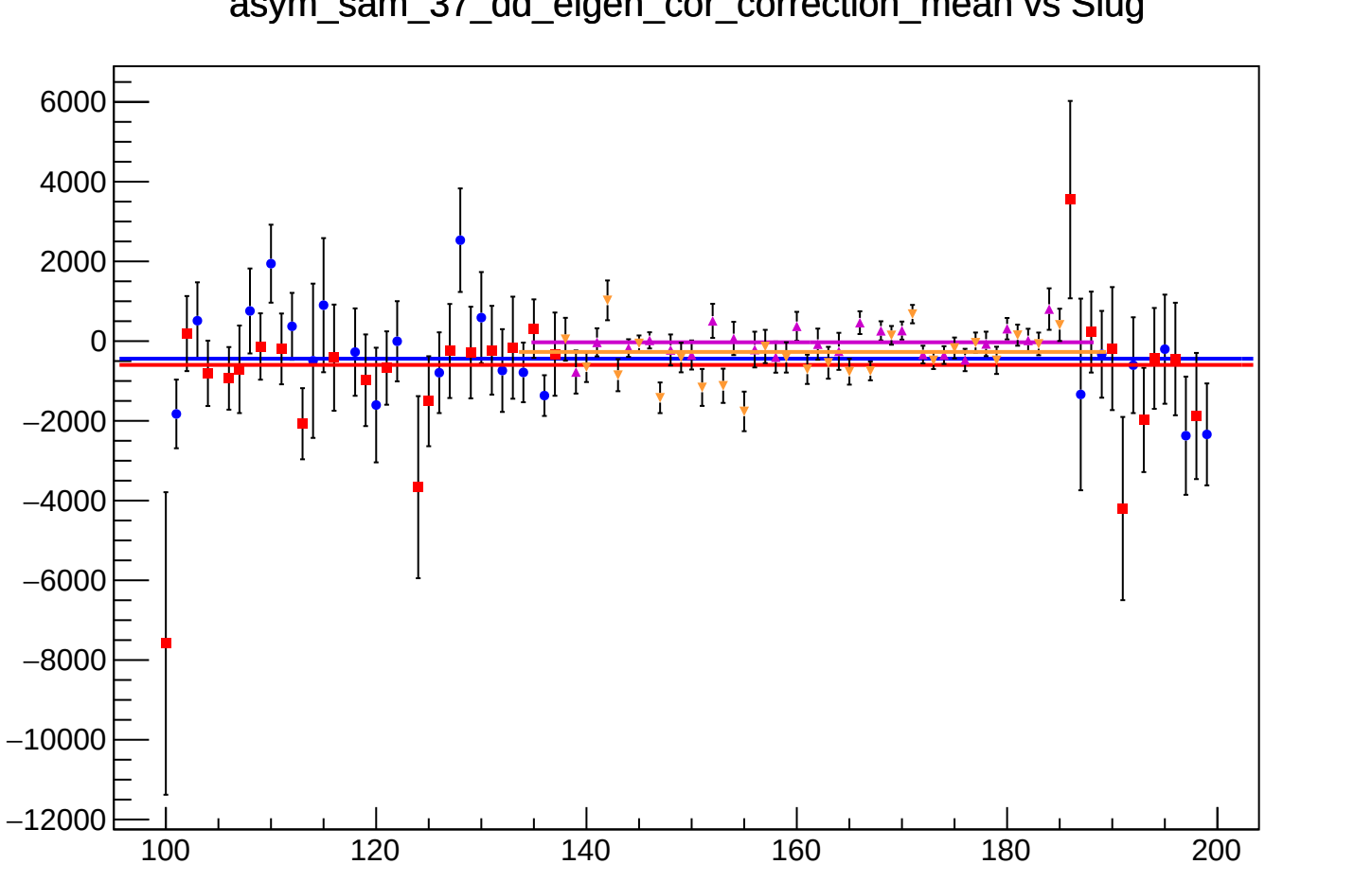
Right Out: 73.796+/-0.016 χ^2/NDF: 4494585.2/26

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.577+/-0.007 χ^2/NDF: 6255202.3/46

All: 52.007+/-0.005 χ^2/NDF: 13522194.3/96

- sign 52.457+/-0.007 χ^2/NDF: 7259211.1/49



Right In: -440.508+/-218.778 χ^2/NDF: 27.1/21

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -596.901+/-212.695 χ^2/NDF: 20.0/26

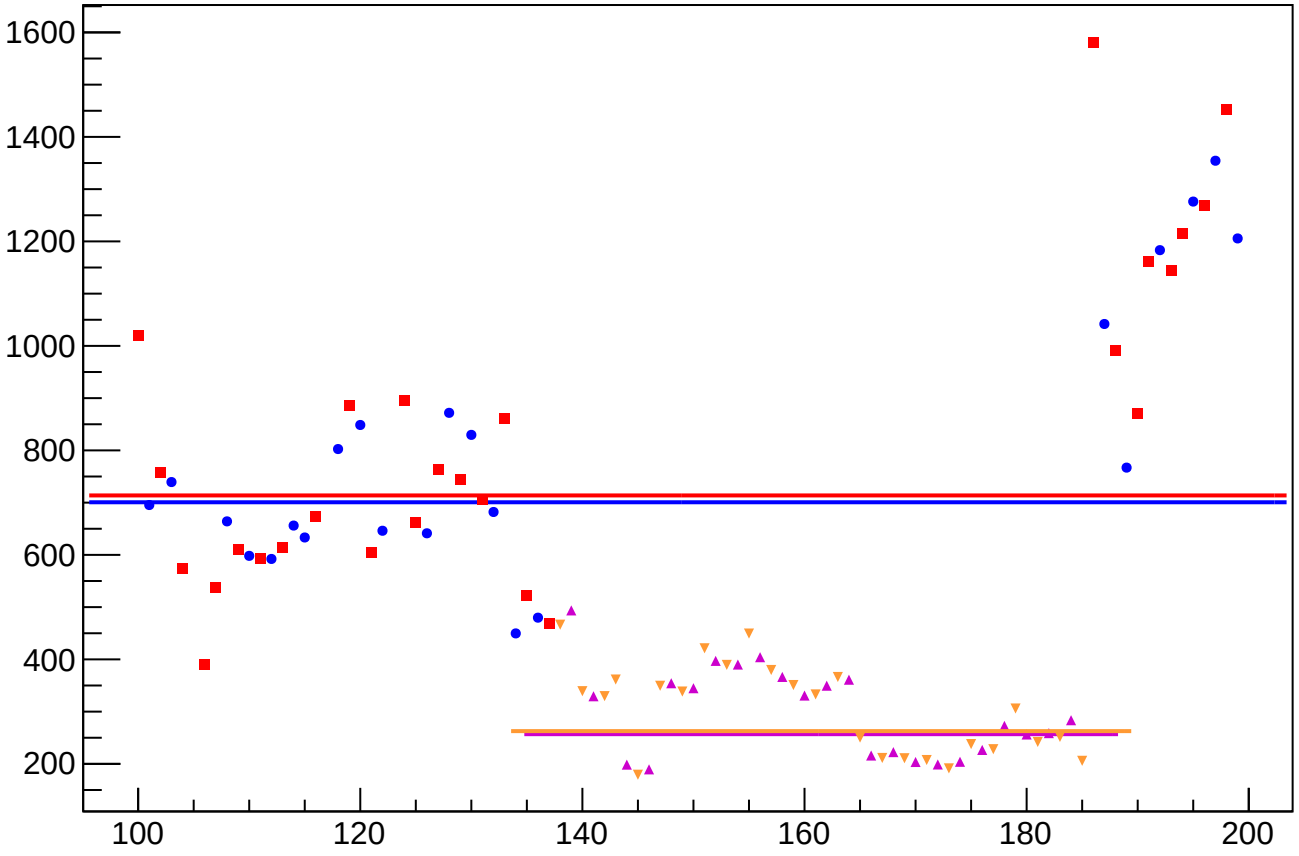
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -283.756+/-59.959 χ^2/NDF: 101.5/46

All: -179.427+/-42.453 χ^2/NDF: 158.5/96

- sign -74.552+/-60.115 χ^2/NDF: 50.9/49

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 700.694+/-0.155 χ^2/NDF: 2201599.7/21

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 713.782+/-0.150 χ^2/NDF: 2693068.5/26

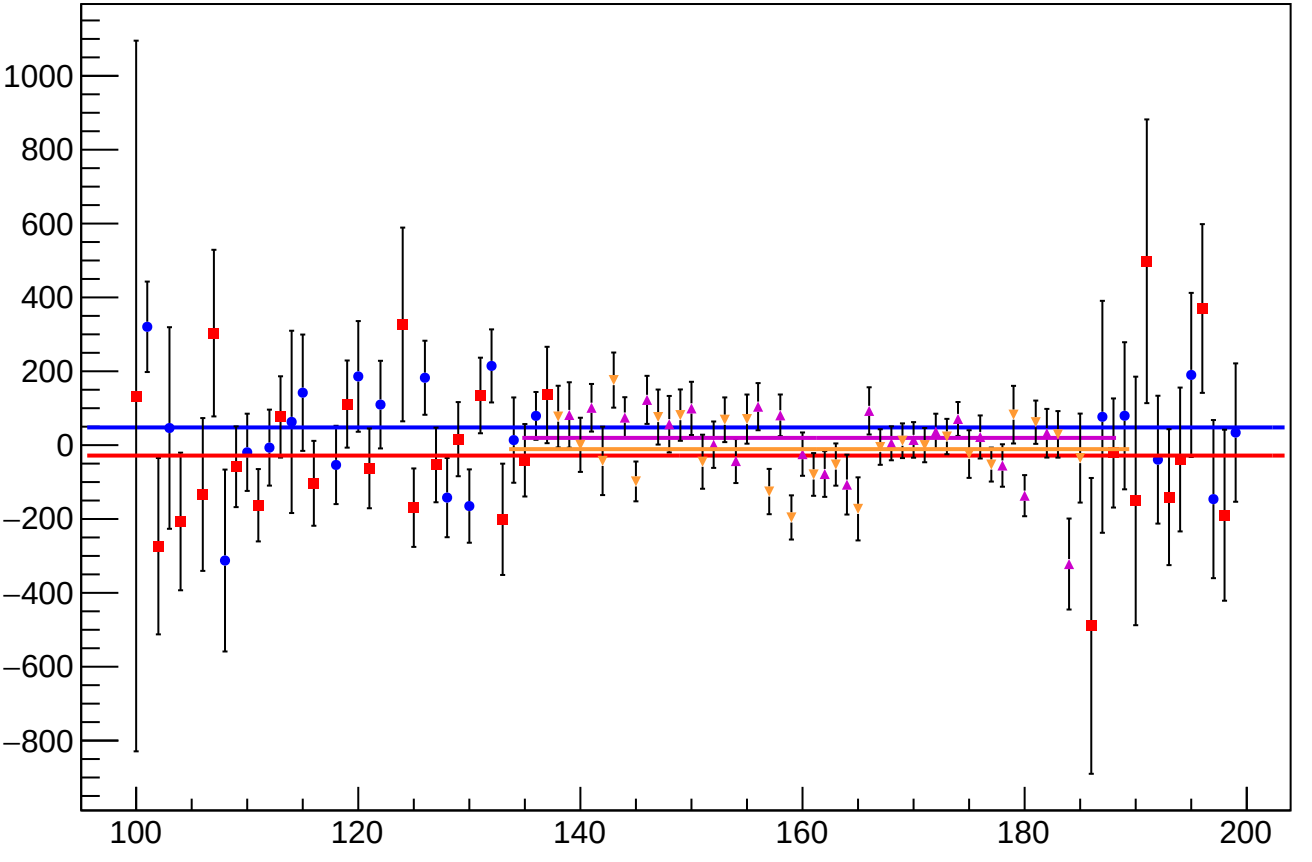
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 295.578+/-0.042 χ^2/NDF: 12509500.1/46

All: 294.464+/-0.030 χ^2/NDF: 26336429.4/96

- sign 293.344+/-0.043 χ^2/NDF: 13825544.8/49

dit_asym_sam_37_dd_mean vs Slug



Right In: 47.971+/-26.856 χ^2/NDF: 24.4/21

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -28.254+/-27.138 χ^2/NDF: 25.7/26

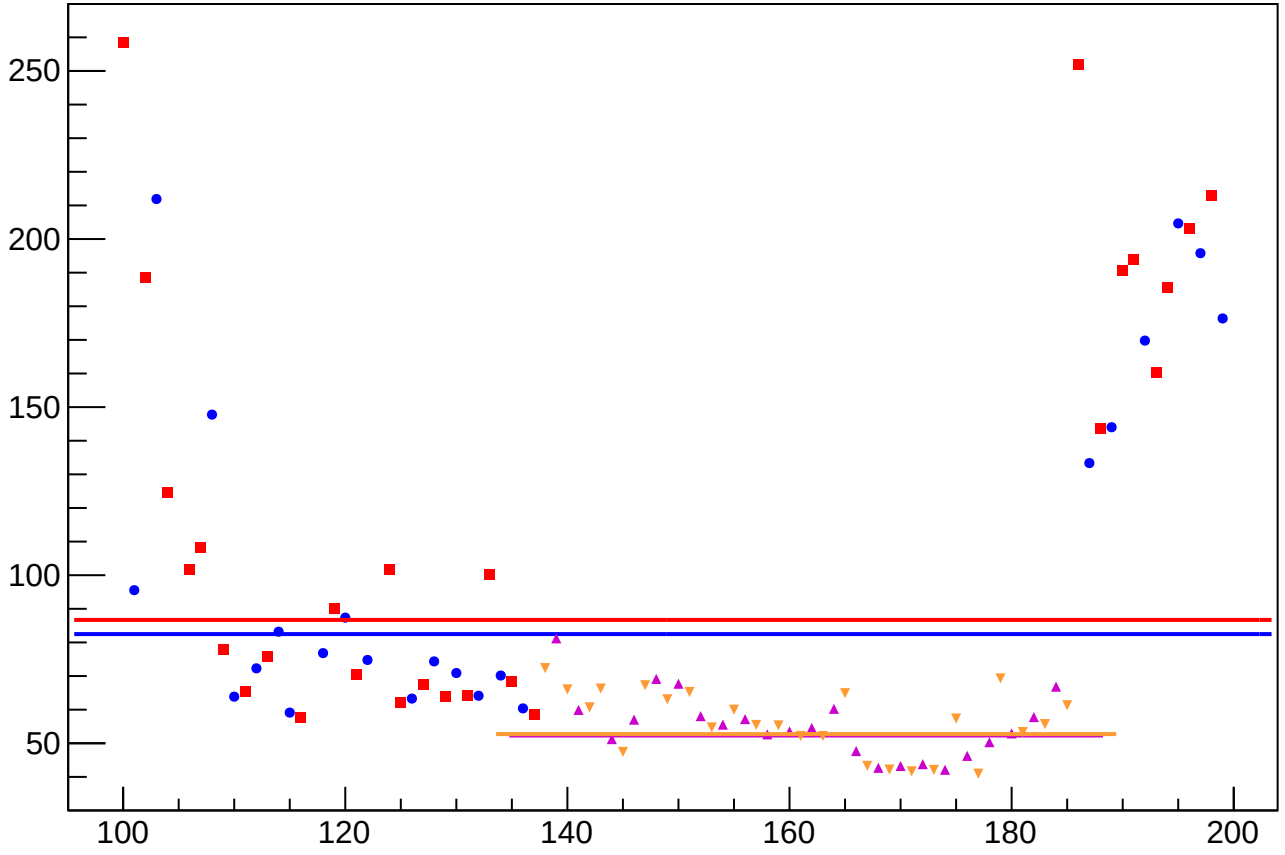
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.621+/-11.188 χ^2/NDF: 68.8/46

All: 5.171+/-7.981 χ^2/NDF: 134.4/96

- sign 11.171+/-11.388 χ^2/NDF: 65.1/49

dit_asym_sam_37_dd_rms vs Slug



Right In: 82.482+/-0.019 χ^2/NDF: 3611948.0/21

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 86.703+/-0.019 χ^2/NDF: 4343450.5/26

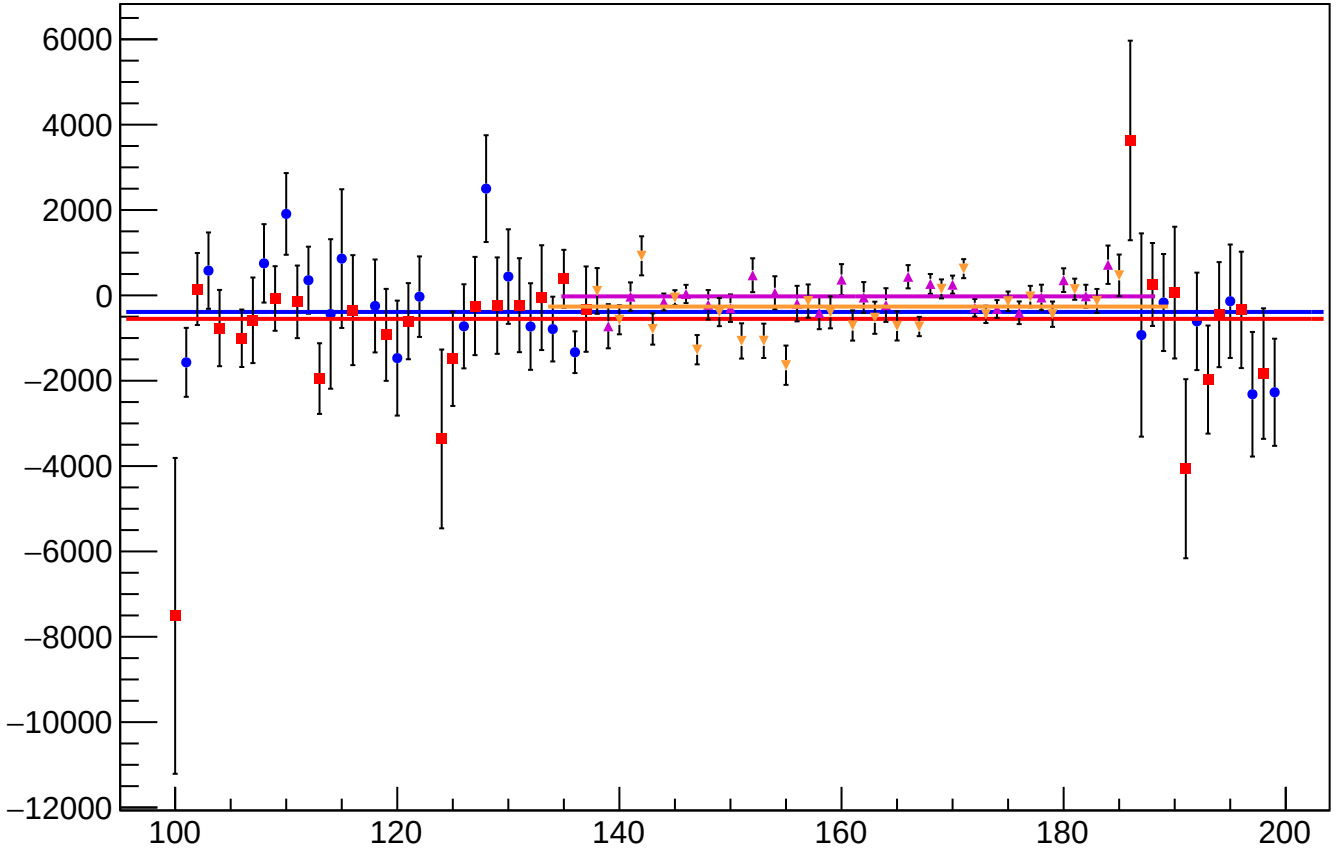
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 57.893+/-0.008 χ^2/NDF: 6807552.0/46

All: 58.127+/-0.006 χ^2/NDF: 14690699.7/96

- sign 58.369+/-0.008 χ^2/NDF: 7881371.4/49

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -388.413+/-210.077 χ^2/NDF: 27.2/21

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -550.681+/-201.495 χ^2/NDF: 22.1/26

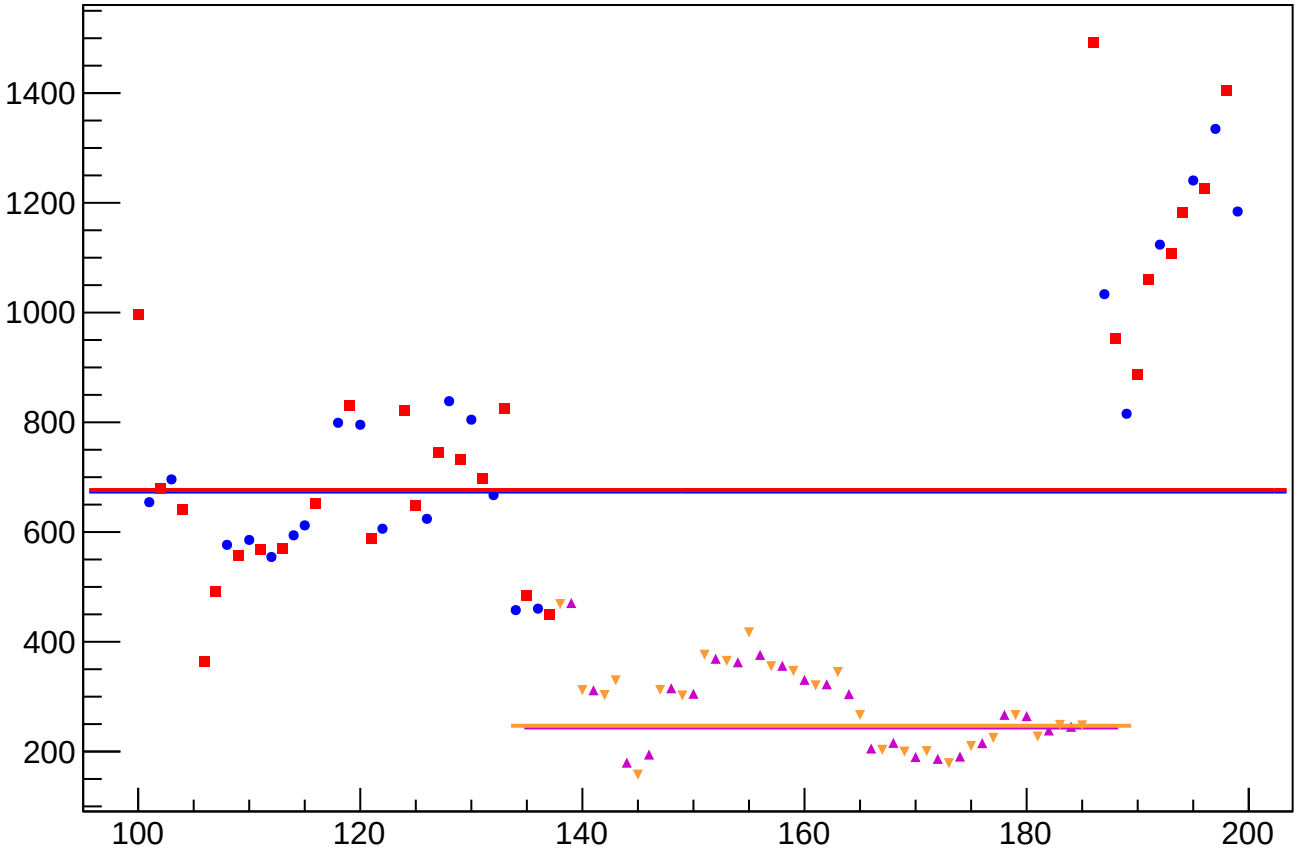
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.637+/-56.356 χ^2/NDF: 99.7/46

All: -169.748+/-40.066 χ^2/NDF: 158.9/96

- sign -65.619+/-56.973 χ^2/NDF: 52.6/49

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 673.867+/-0.149 χ^2/NDF: 2250353.1/21

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 676.667+/-0.142 χ^2/NDF: 2870491.6/26

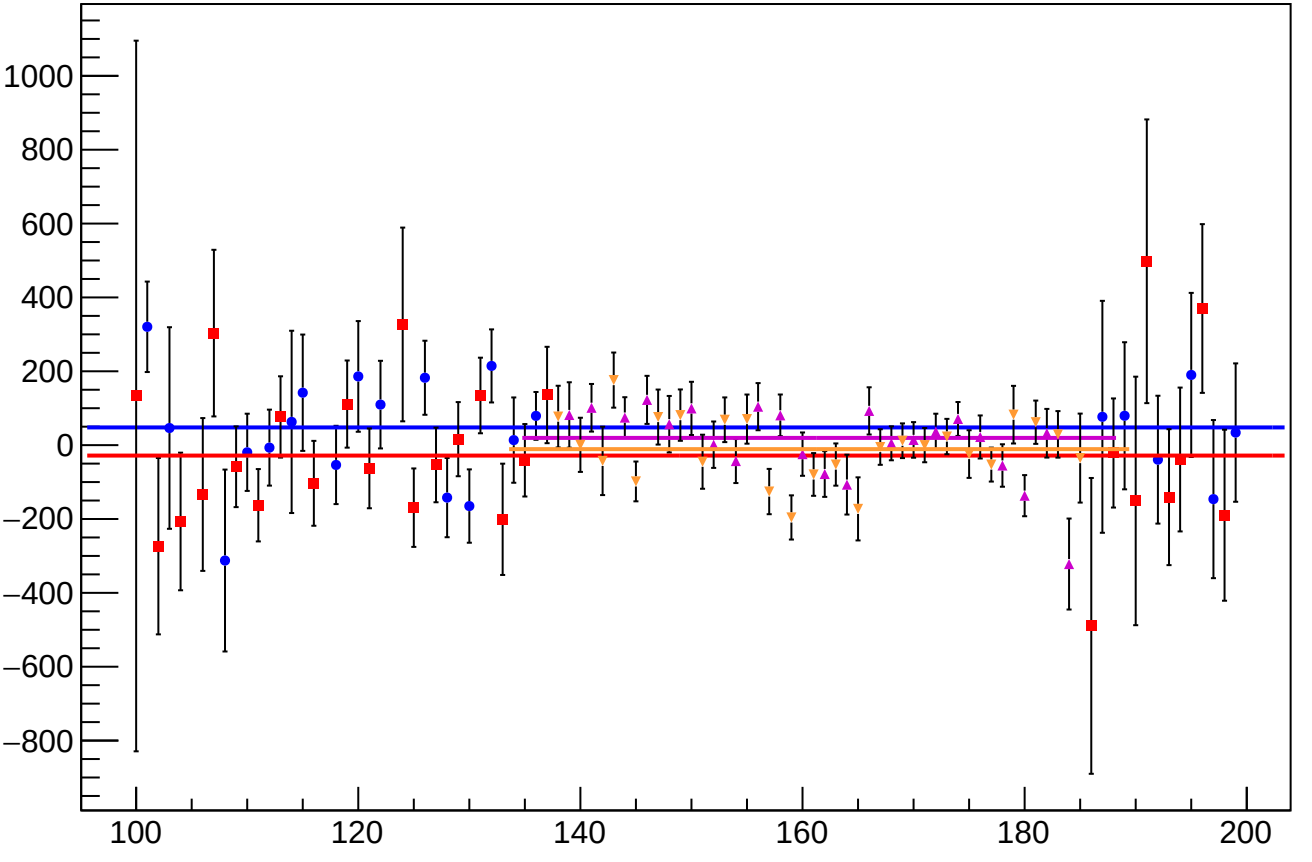
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 277.716+/-0.040 χ^2/NDF: 12839579.1/46

All: 278.069+/-0.028 χ^2/NDF: 26692016.6/96

- sign 278.430+/-0.040 χ^2/NDF: 13852278.7/49

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 47.970+/-26.856 χ^2/NDF: 24.4/21

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

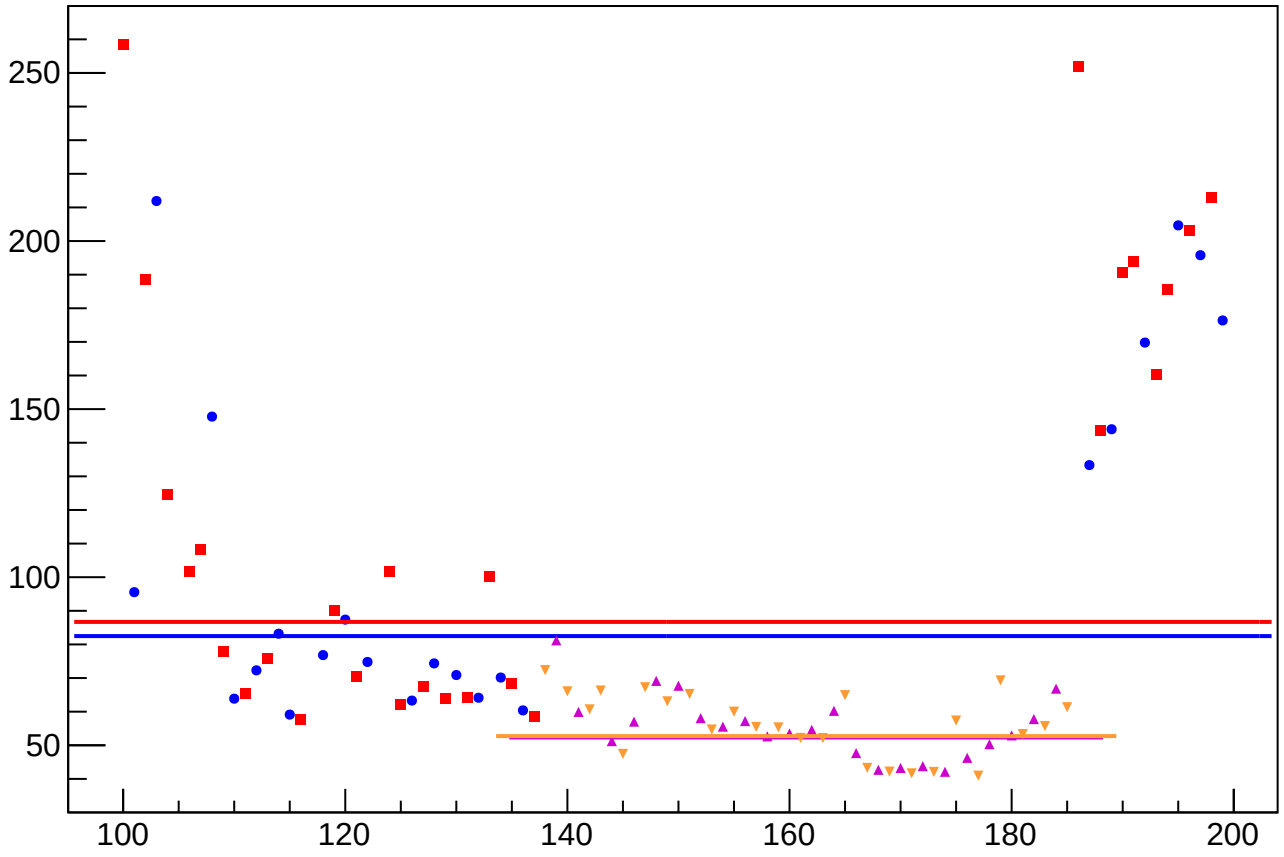
Right Out: -28.253+/-27.138 χ^2/NDF: 25.7/26

Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.620+/-11.188 χ^2/NDF: 68.8/46

All: 5.171+/-7.981 χ^2/NDF: 134.4/96

- sign 11.172+/-11.388 χ^2/NDF: 65.1/49



Right In: 82.481+/-0.019 χ^2/NDF: 3611968.2/21

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

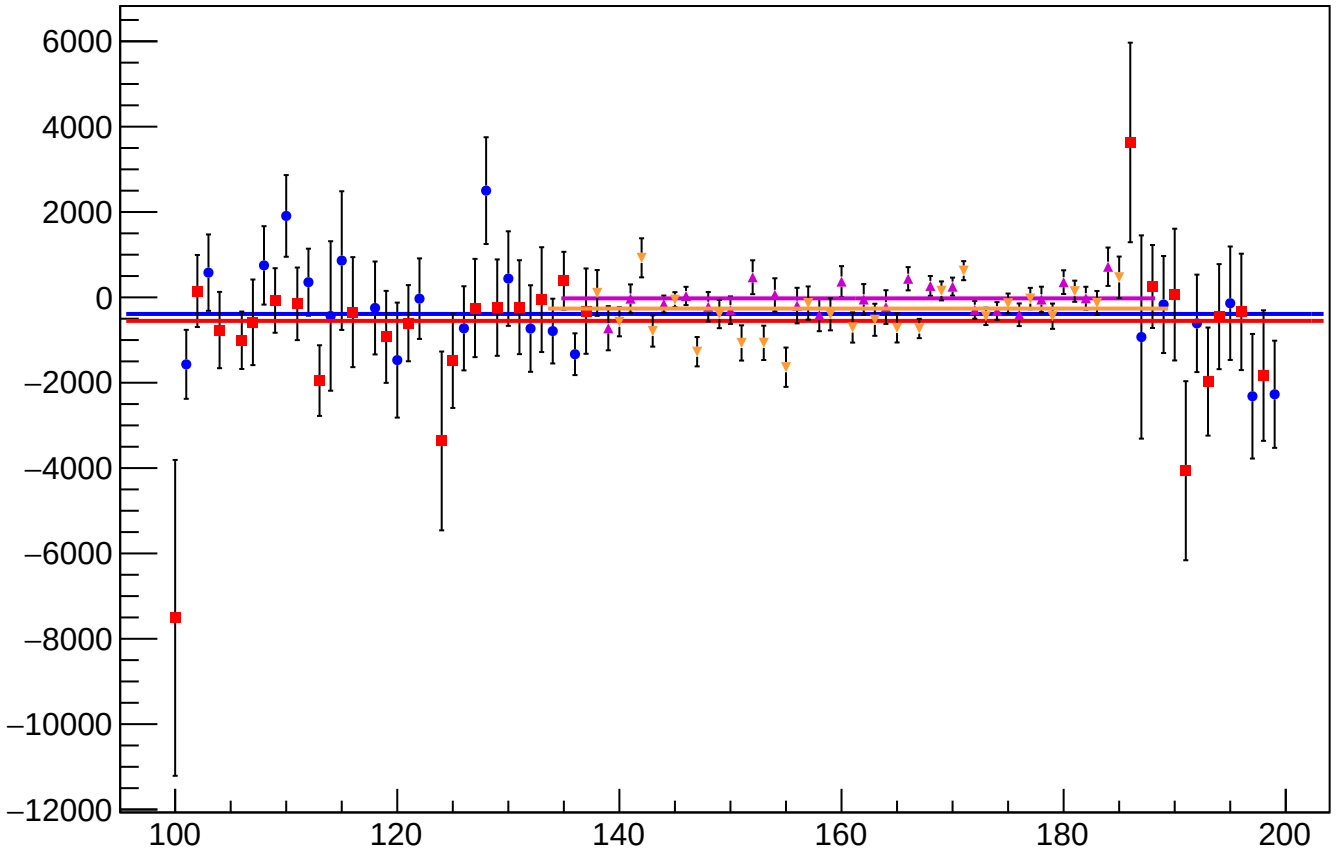
Right Out: 86.703+/-0.019 χ^2/NDF: 4343448.3/26

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 57.894+/-0.008 χ^2/NDF: 6807572.4/46

All: 58.127+/-0.006 χ^2/NDF: 14690707.3/96

- sign 58.369+/-0.008 χ^2/NDF: 7881358.6/49



Right In: -388.412+/-210.077 χ^2/NDF: 27.2/21

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

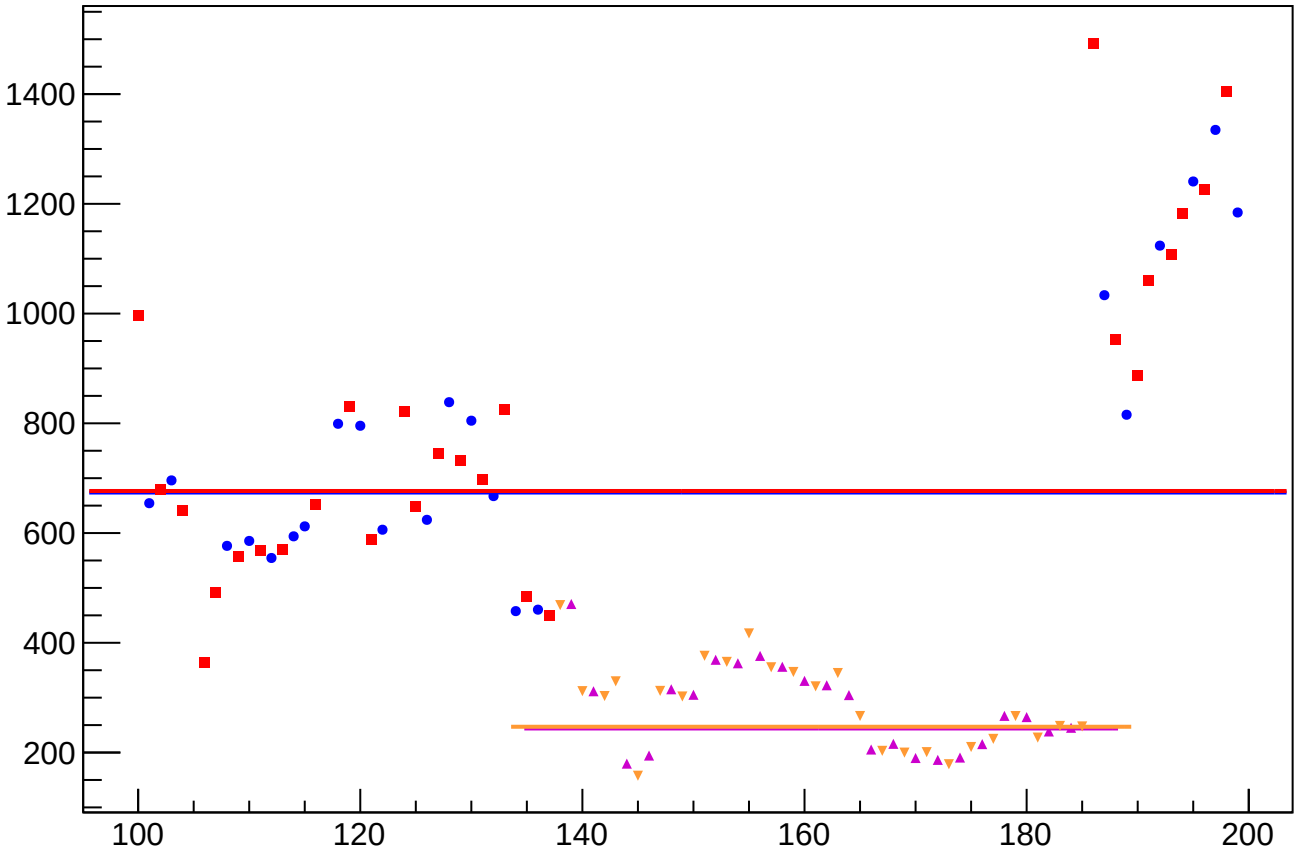
Right Out: -550.681+/-201.495 χ^2/NDF: 22.1/26

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.638+/-56.356 χ^2/NDF: 99.7/46

All: -169.748+/-40.066 χ^2/NDF: 158.9/96

- sign -65.618+/-56.973 χ^2/NDF: 52.6/49



Right In: 673.867+/-0.149 χ^2/NDF: 2250341.7/21

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 676.666+/-0.142 χ^2/NDF: 2870486.4/26

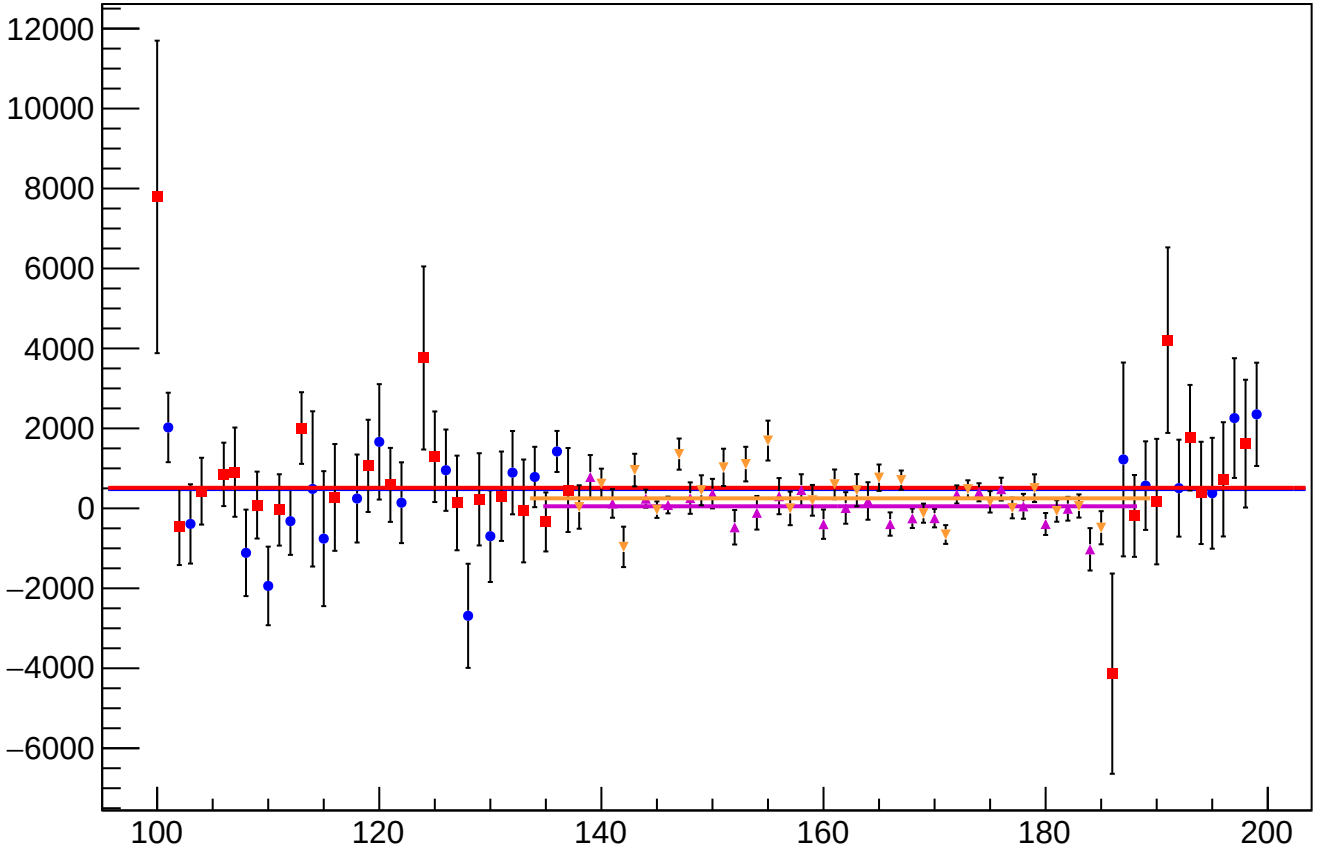
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 277.716+/-0.040 χ^2/NDF: 12839567.3/46

All: 278.069+/-0.028 χ^2/NDF: 26691997.2/96

- sign 278.430+/-0.040 χ^2/NDF: 13852271.1/49

asym_sam_37_dd_mean vs Slug



Right In: 482.044+/-220.601 χ^2/NDF: 28.9/21

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 514.049+/-214.562 χ^2/NDF: 20.6/26

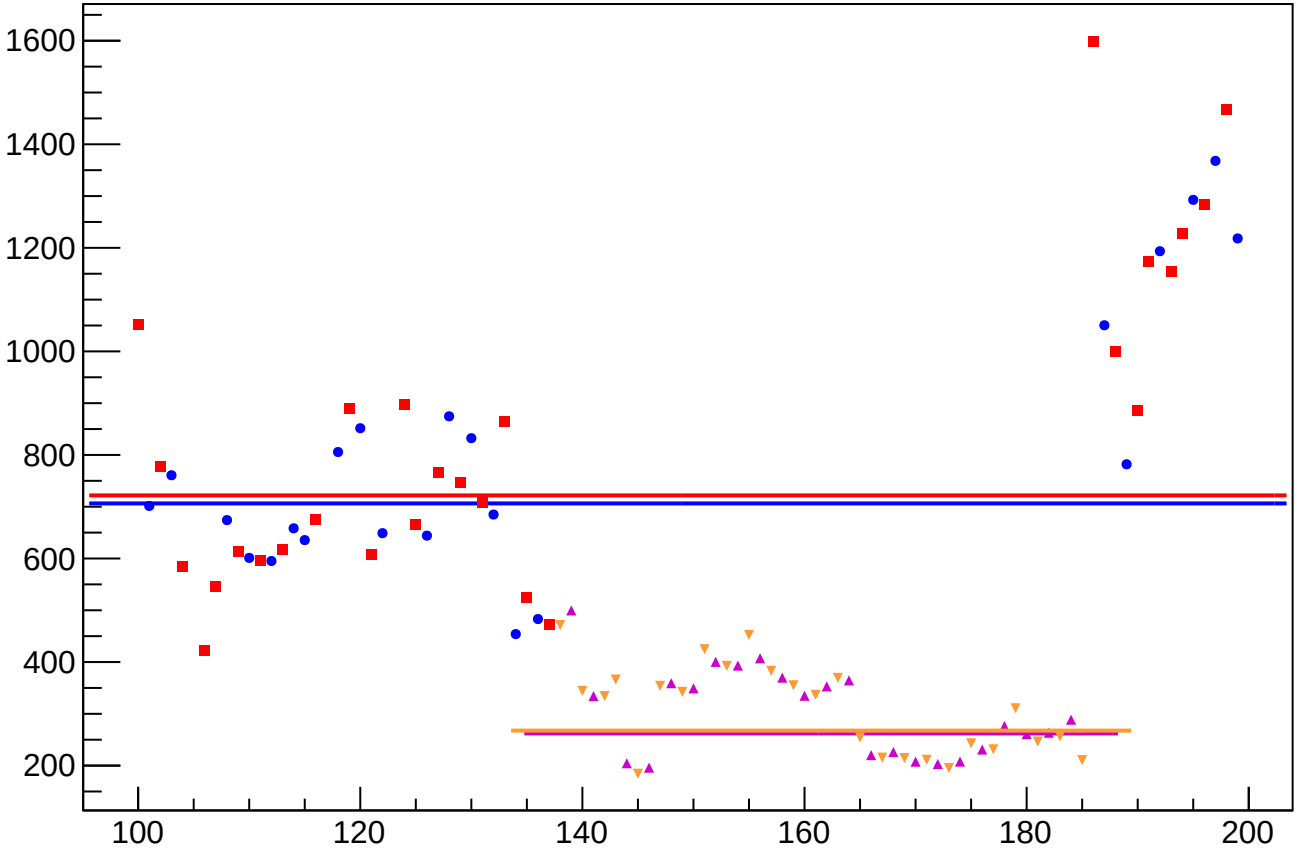
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 268.741+/-60.954 χ^2/NDF: 97.5/46

All: 179.375+/-43.185 χ^2/NDF: 153.5/96

- sign 89.312+/-61.192 χ^2/NDF: 51.7/49

asym_sam_37_dd_rms vs Slug



Right In: 706.356+/-0.156 χ^2/NDF: 2214993.8/21

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

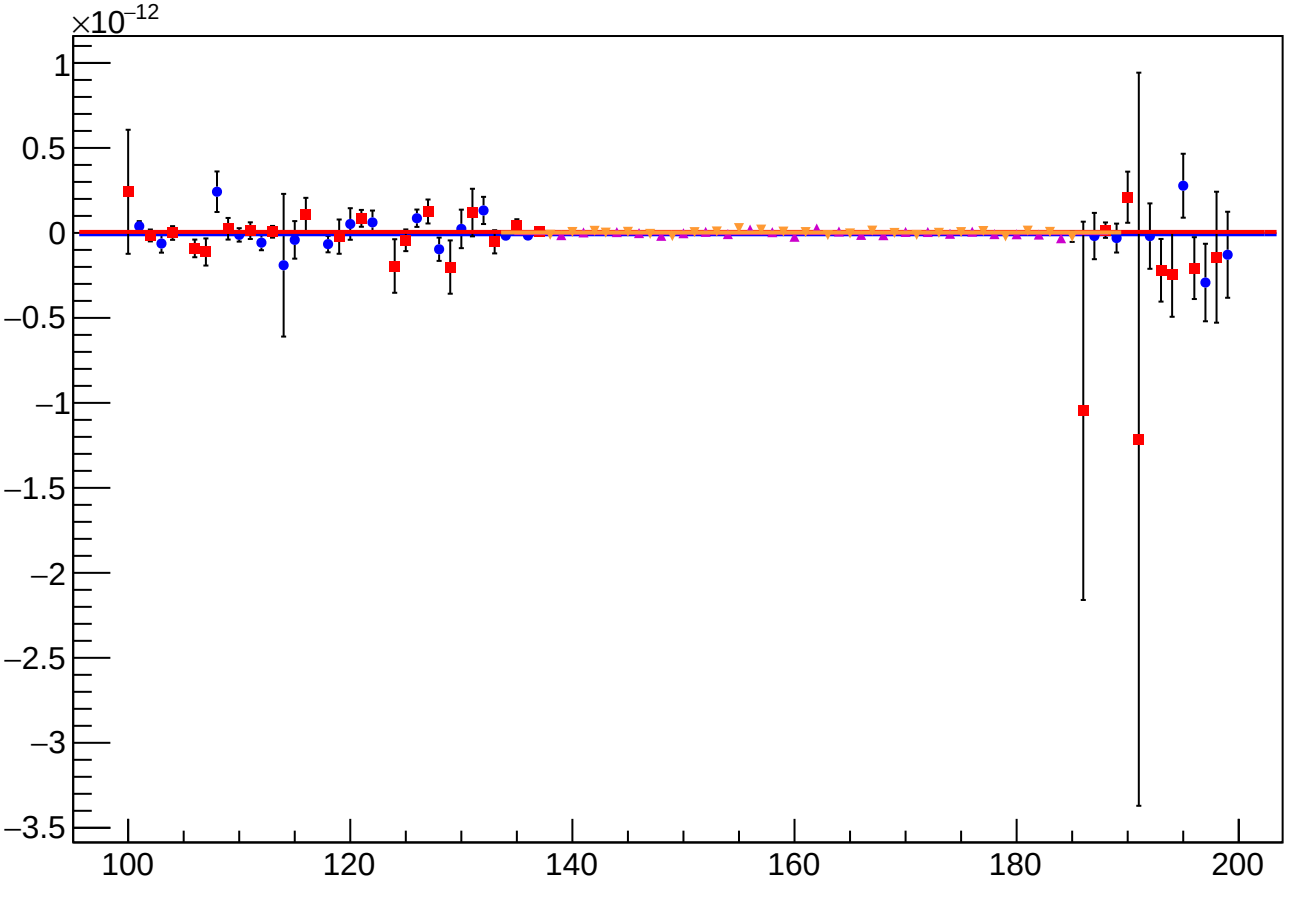
Right Out: 721.864+/-0.152 χ^2/NDF: 2648911.1/26

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 301.088+/-0.043 χ^2/NDF: 12324340.1/46

All: 300.291+/-0.031 χ^2/NDF: 25948013.0/96

- sign 299.488+/-0.043 χ^2/NDF: 13622986.9/49



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

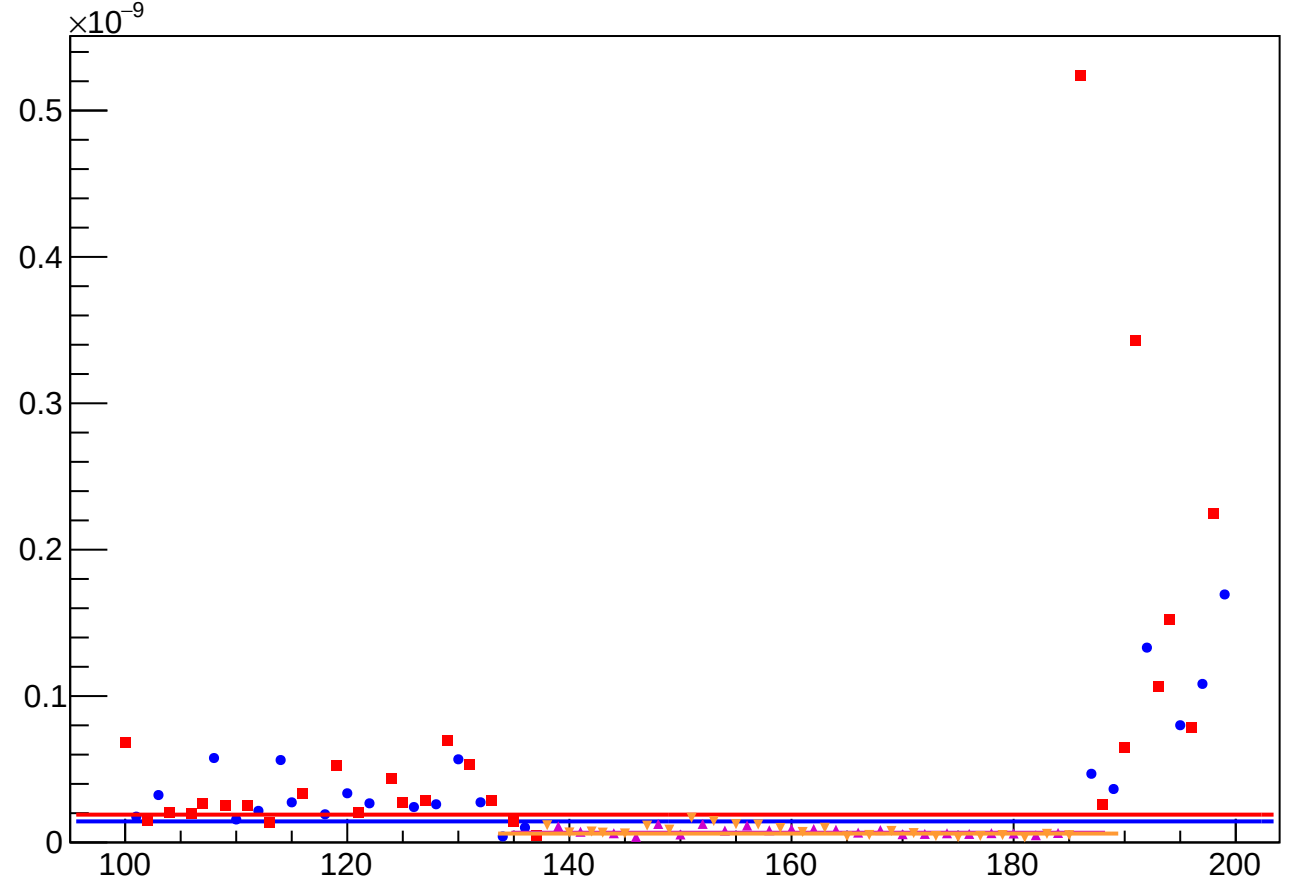
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/26

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.5/46

All: 0.000+/-0.000 χ^2/NDF: 82.0/96

- sign -0.000+/-0.000 χ^2/NDF: 39.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 4461900.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4197243.0/26

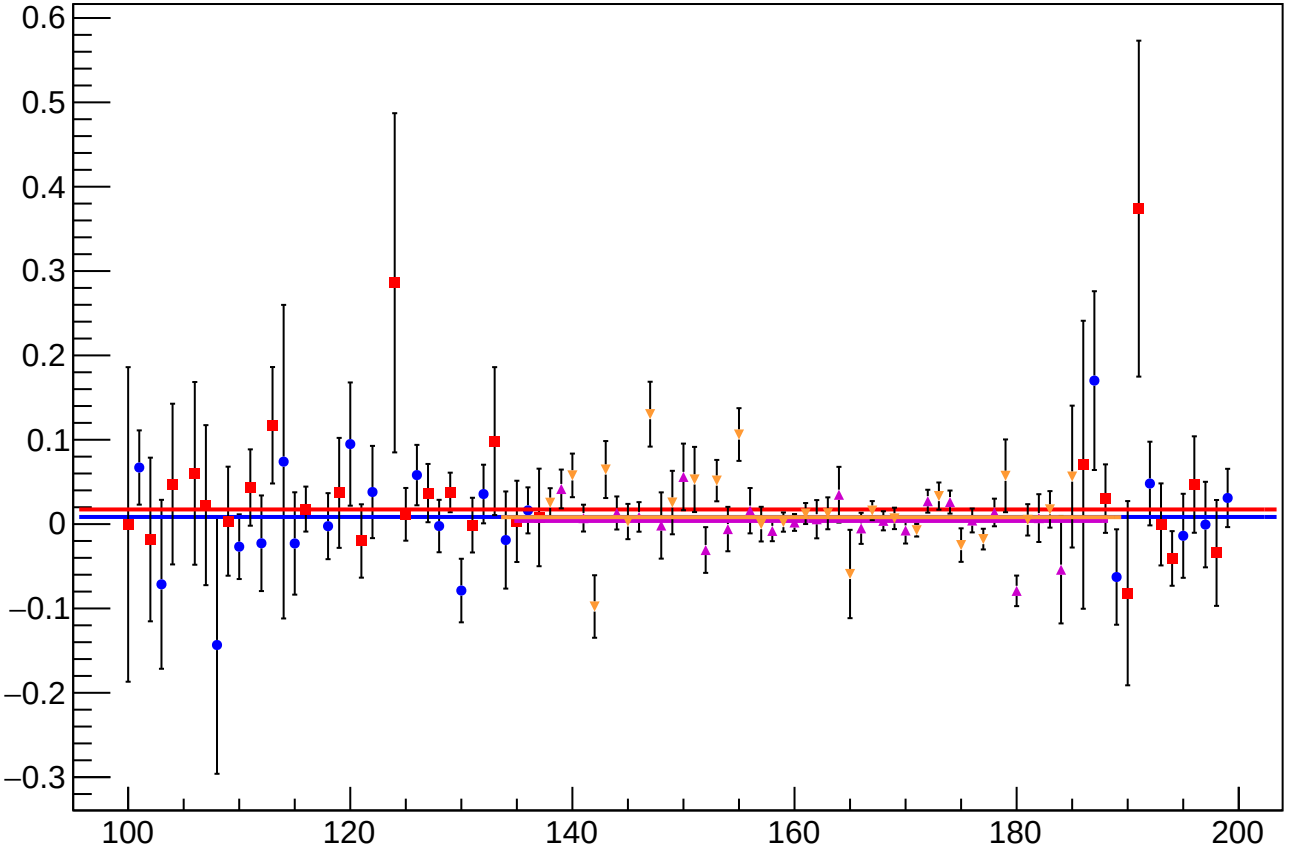
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8383906.3/46

All: 0.000+/-0.000 χ^2/NDF: 16185560.7/96

- sign 0.000+/-0.000 χ^2/NDF: 7725155.3/49

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.009 χ^2/NDF: 16.4/26

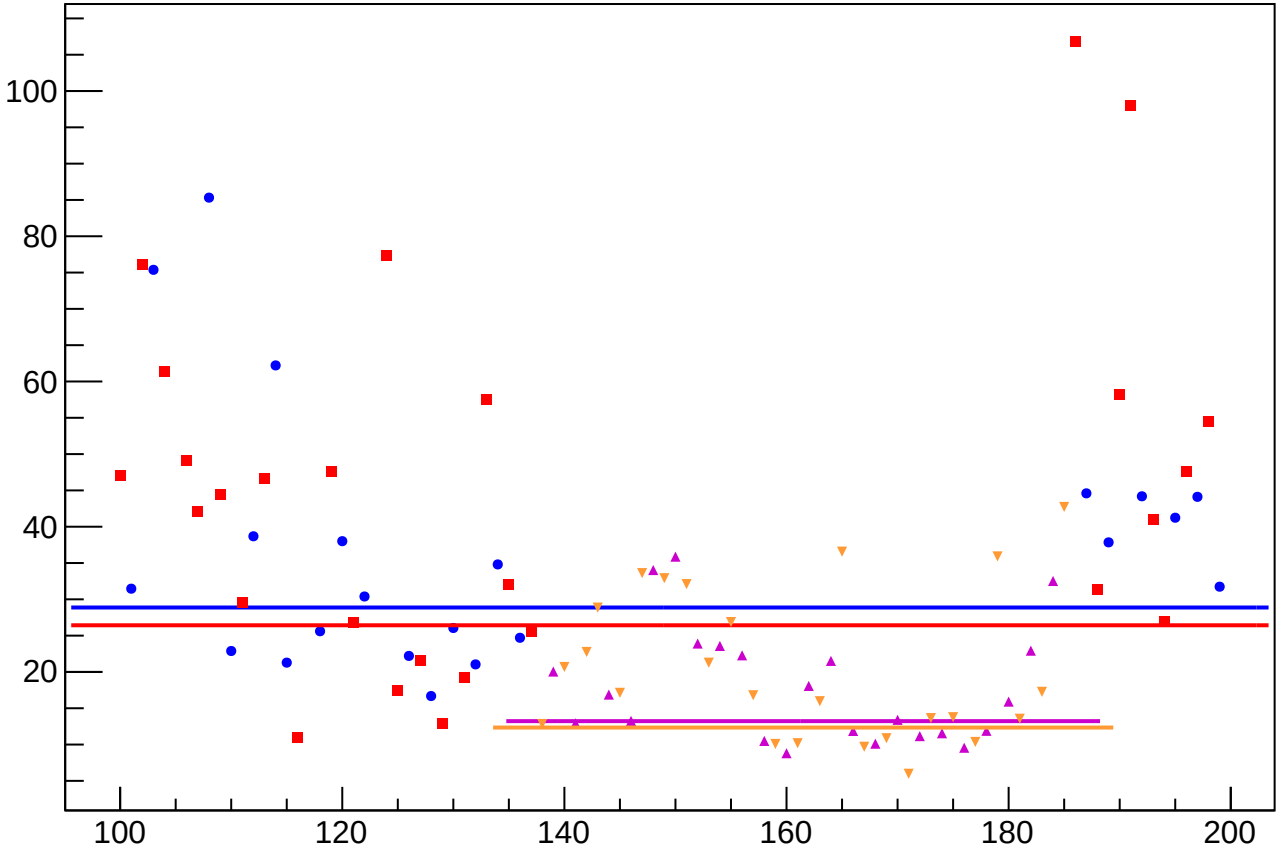
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 79.0/46

All: 0.007+/-0.002 χ^2/NDF: 134.9/96

- sign 0.006+/-0.003 χ^2/NDF: 55.5/49

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.874+/-0.007 χ^2/NDF: 2123193.6/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

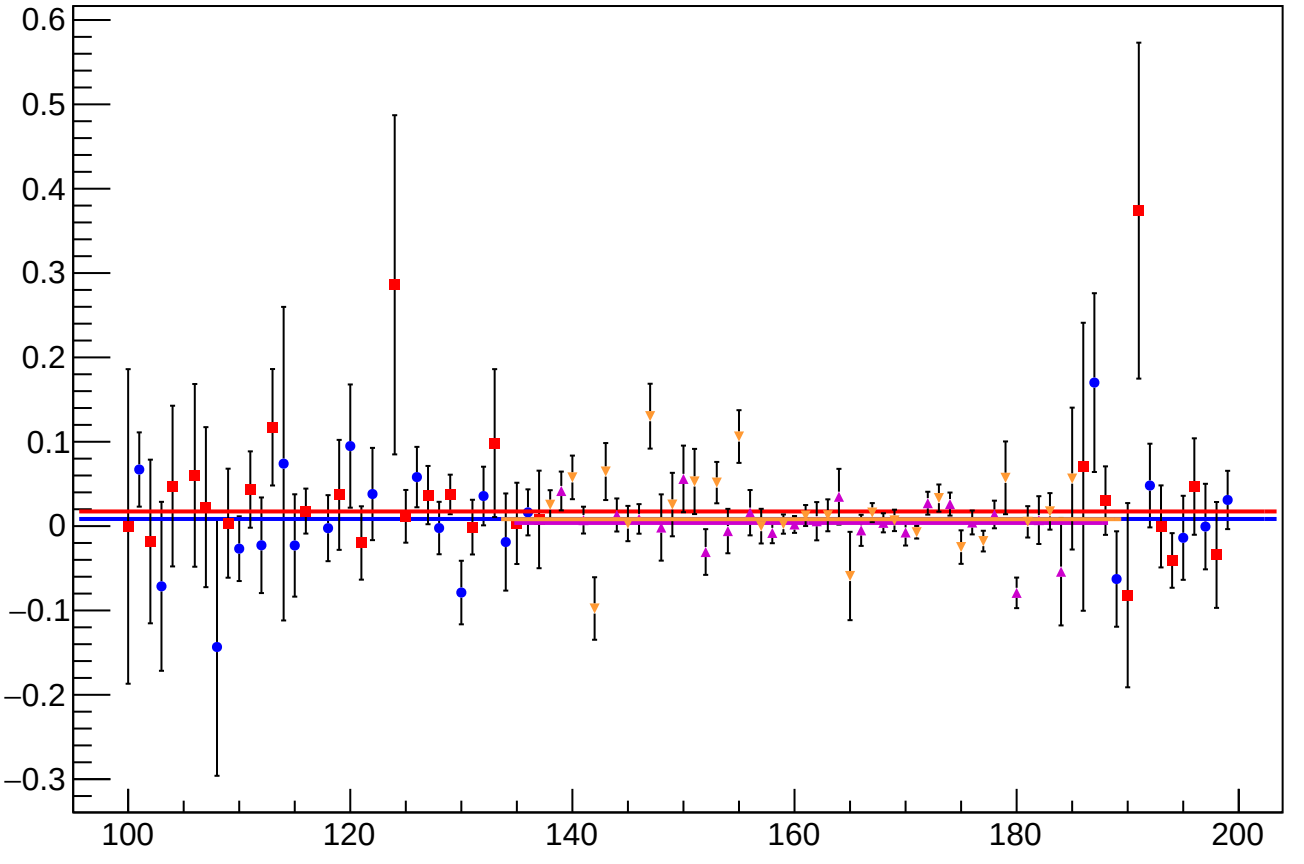
Right Out: 26.426+/-0.007 χ^2/NDF: 5318690.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.192+/-0.002 χ^2/NDF: 13990095.1/46

All: 14.580+/-0.002 χ^2/NDF: 26784502.1/96

- sign 14.998+/-0.002 χ^2/NDF: 12735297.4/49



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

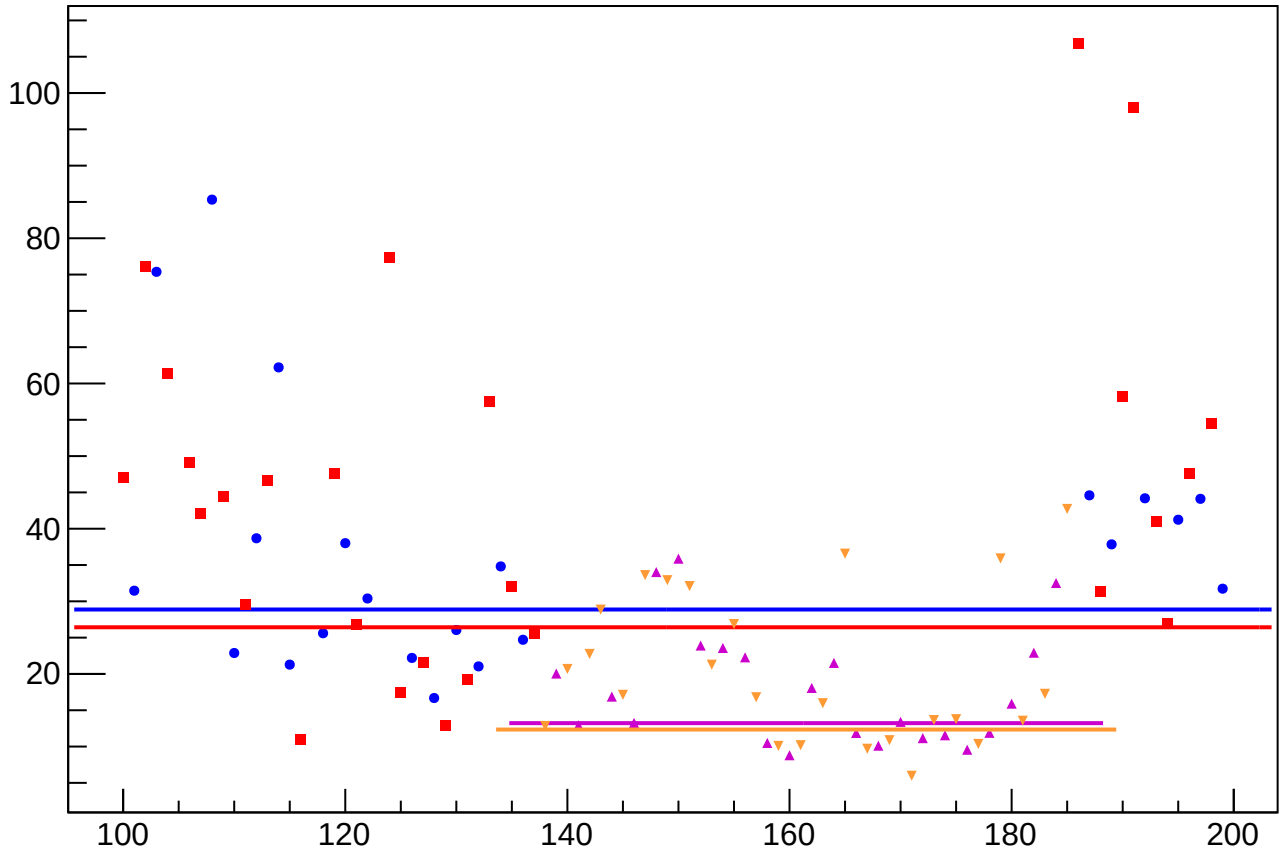
Right Out: 0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 79.0/46

All: 0.007+/-0.002 χ^2/NDF: 134.9/96

- sign 0.006+/-0.003 χ^2/NDF: 55.5/49



Right In: 28.874+/-0.007 χ^2/NDF: 2123193.6/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

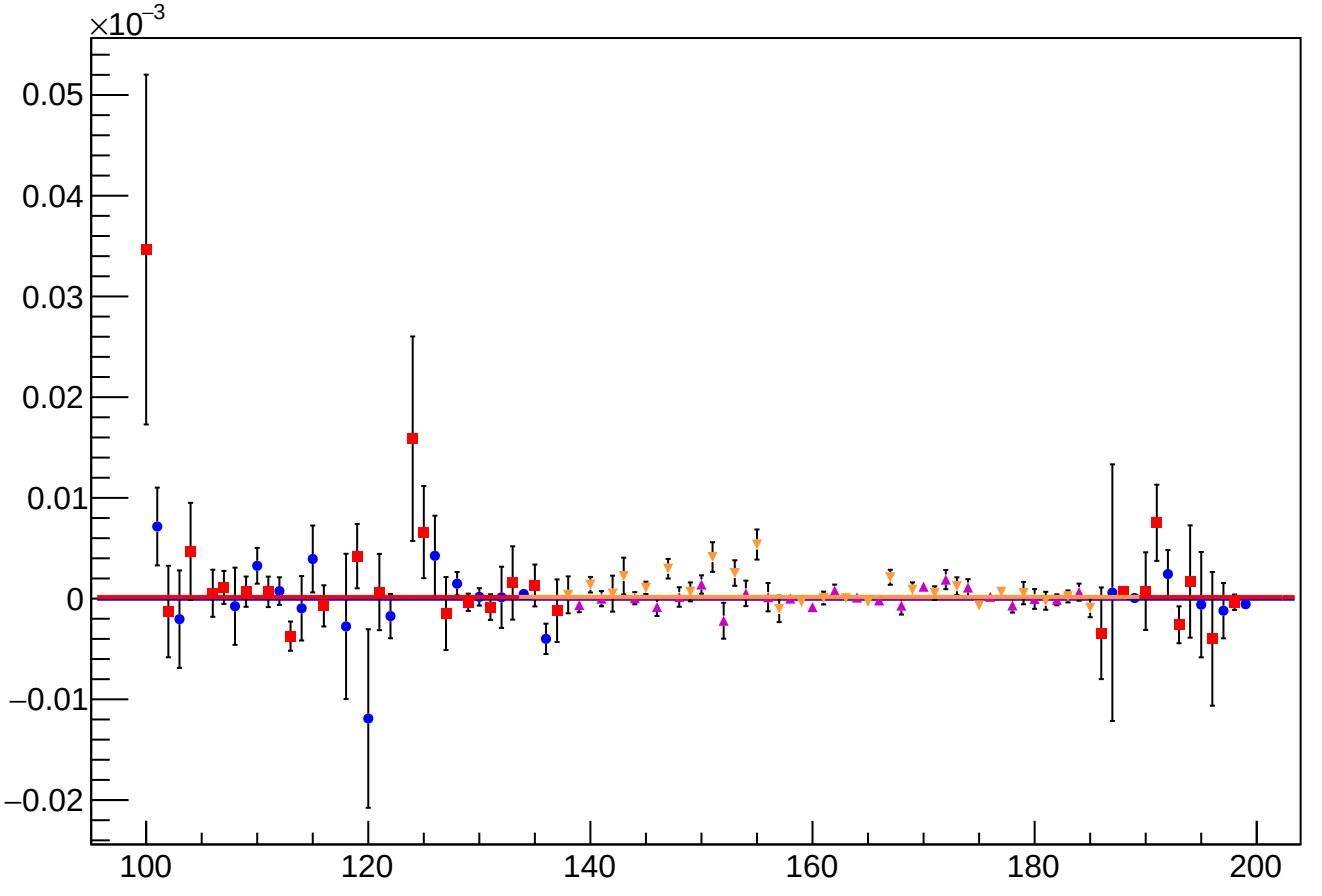
Right Out: 26.426+/-0.007 χ^2/NDF: 5318690.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 14.192+/-0.002 χ^2/NDF: 13990095.1/46

All: 14.580+/-0.002 χ^2/NDF: 26784502.1/96

\- sign 14.998+/-0.002 χ^2/NDF: 12735297.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

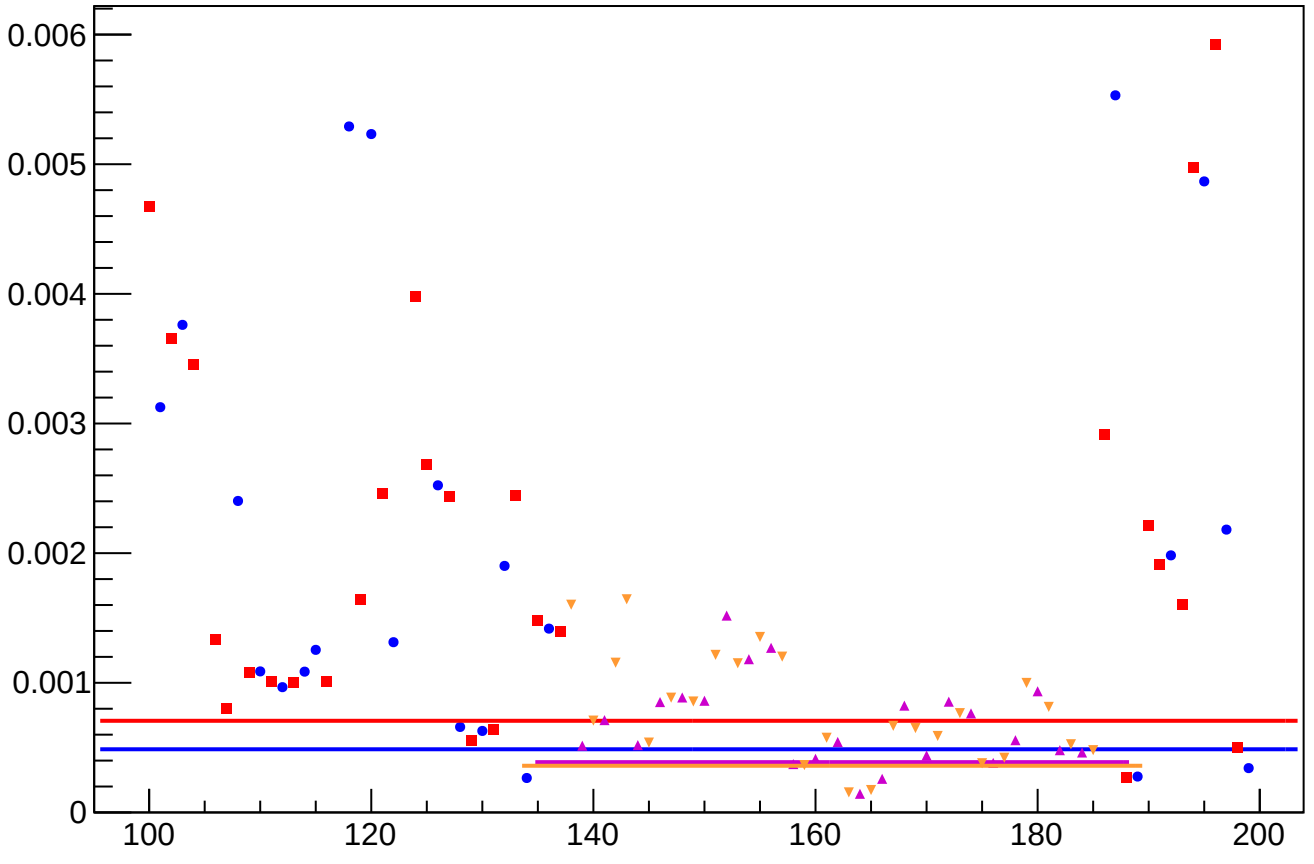
Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/26

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.9/46

All: 0.000+/-0.000 χ^2/NDF: 142.3/96

- sign 0.000+/-0.000 χ^2/NDF: 54.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 10985408.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10386733.7/26

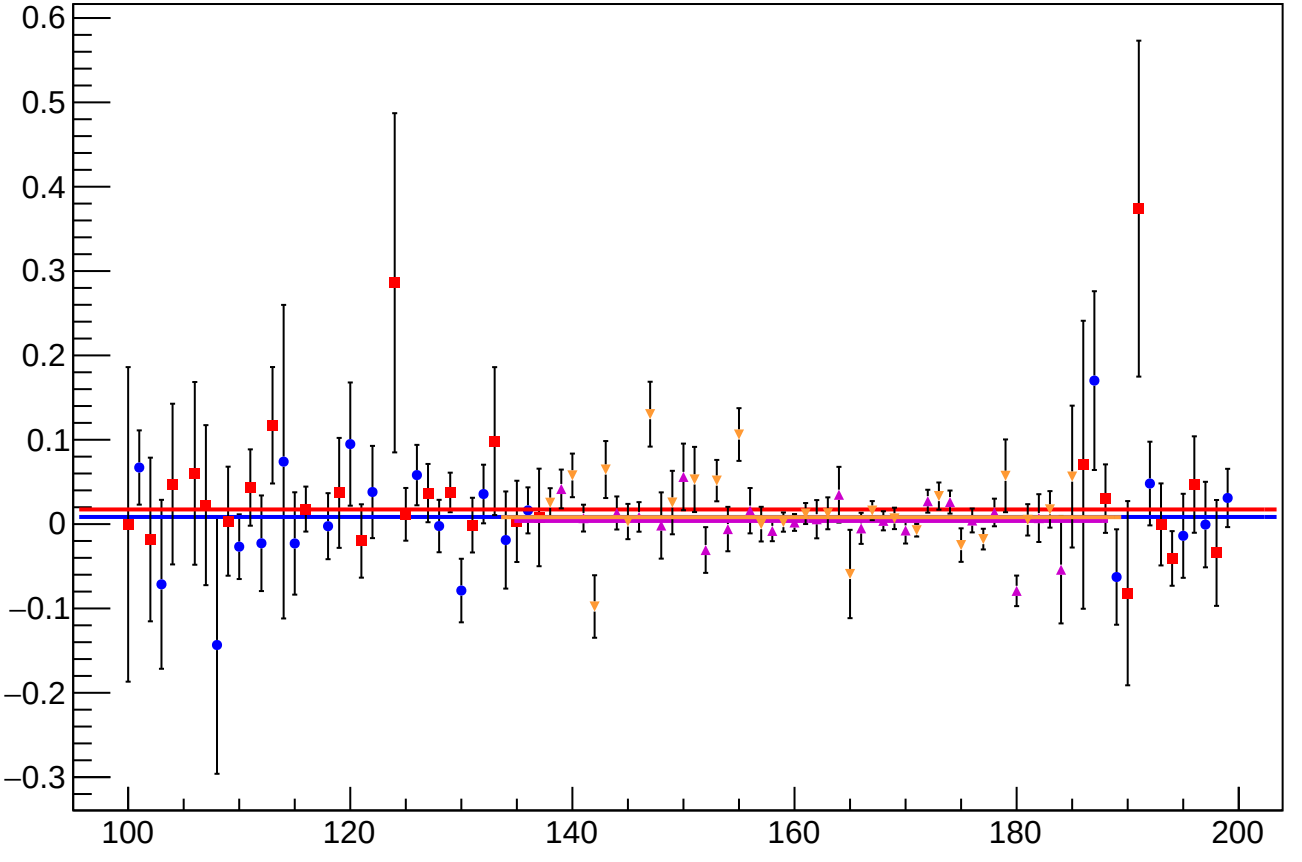
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 25558035.8/46

All: 0.000+/-0.000 χ^2/NDF: 48700368.5/96

- 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: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

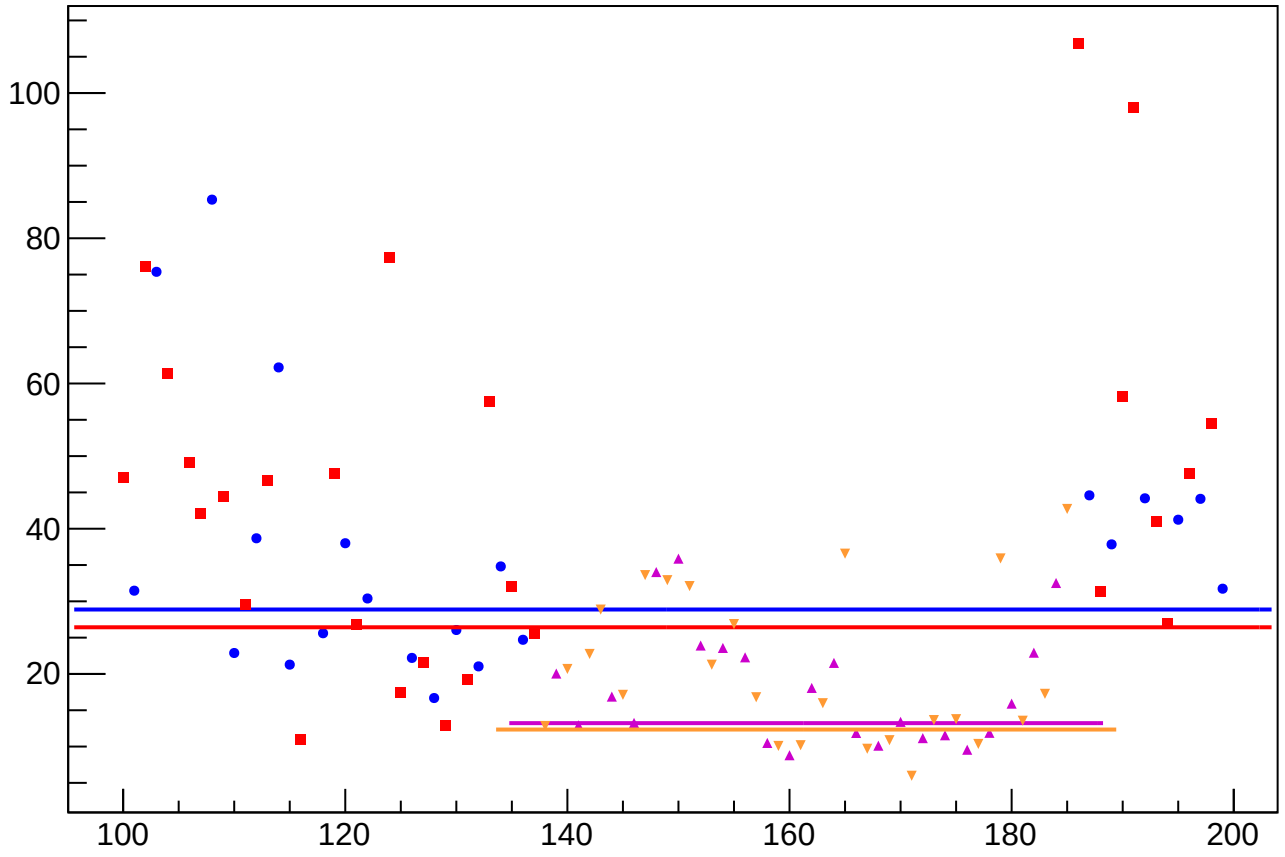
Right Out: 0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 79.0/46

All: 0.007+/-0.002 χ^2/NDF: 134.9/96

- sign 0.006+/-0.003 χ^2/NDF: 55.5/49



Right In: 28.874+/-0.007 χ^2/NDF: 2123123.9/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

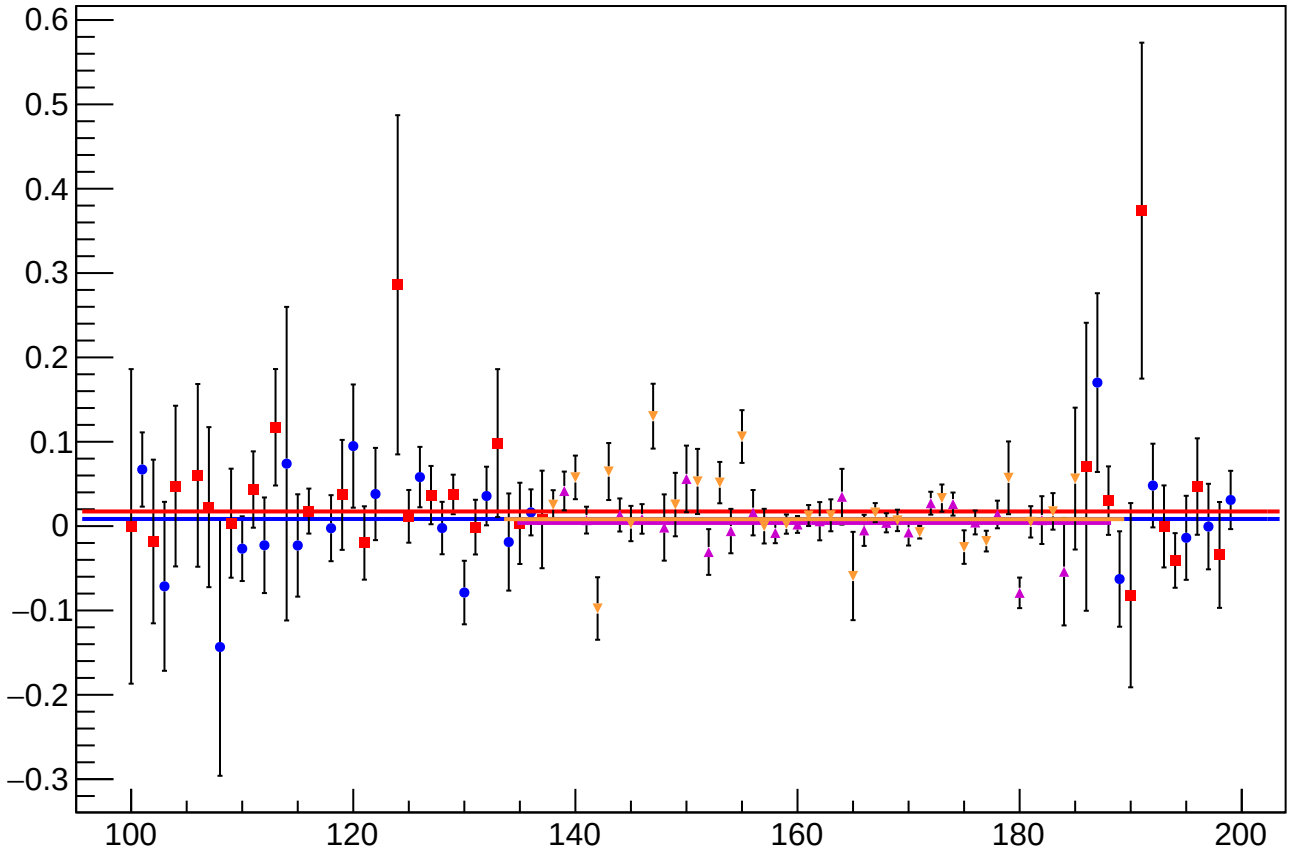
Right Out: 26.427+/-0.007 χ^2/NDF: 5318389.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.192+/-0.002 χ^2/NDF: 13990326.0/46

All: 14.580+/-0.002 χ^2/NDF: 26784784.4/96

- sign 14.998+/-0.002 χ^2/NDF: 12735352.4/49



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

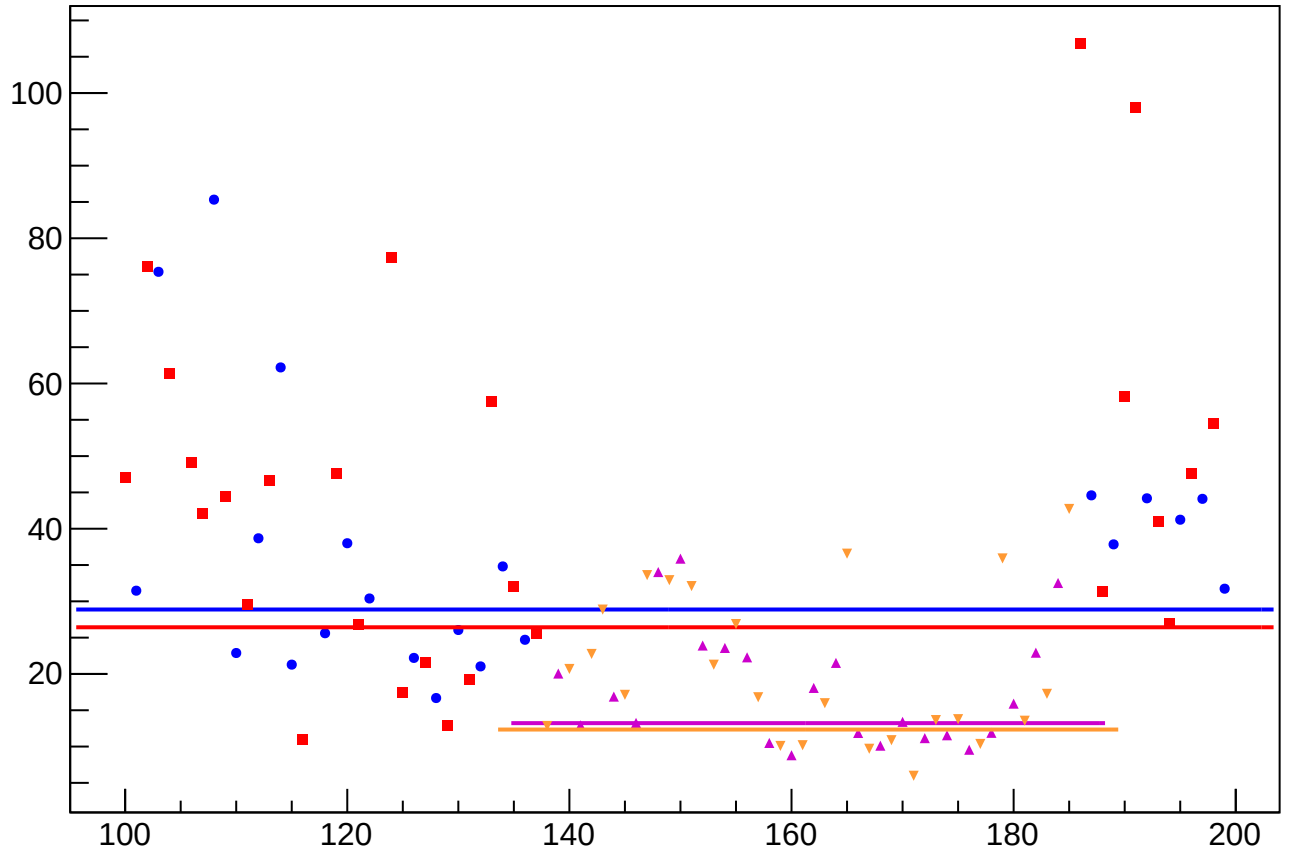
Right Out: 0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 79.0/46

All: 0.007+/-0.002 χ^2/NDF: 134.9/96

- sign 0.006+/-0.003 χ^2/NDF: 55.5/49



Right In: 28.874+/-0.007 χ^2/NDF: 2123123.9/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

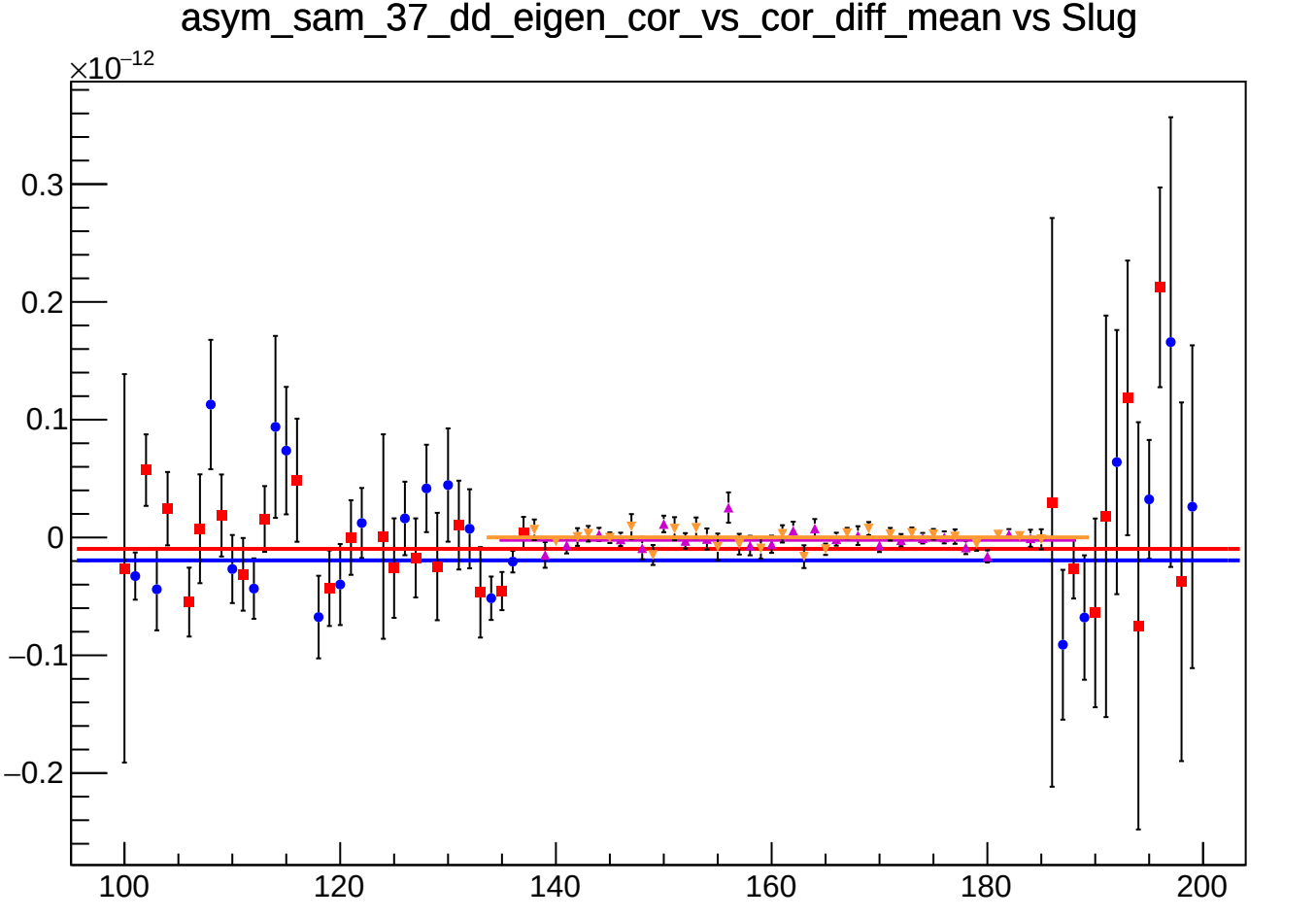
Right Out: 26.427+/-0.007 χ^2/NDF: 5318389.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.192+/-0.002 χ^2/NDF: 13990326.0/46

All: 14.580+/-0.002 χ^2/NDF: 26784784.4/96

- sign 14.998+/-0.002 χ^2/NDF: 12735352.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 30.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

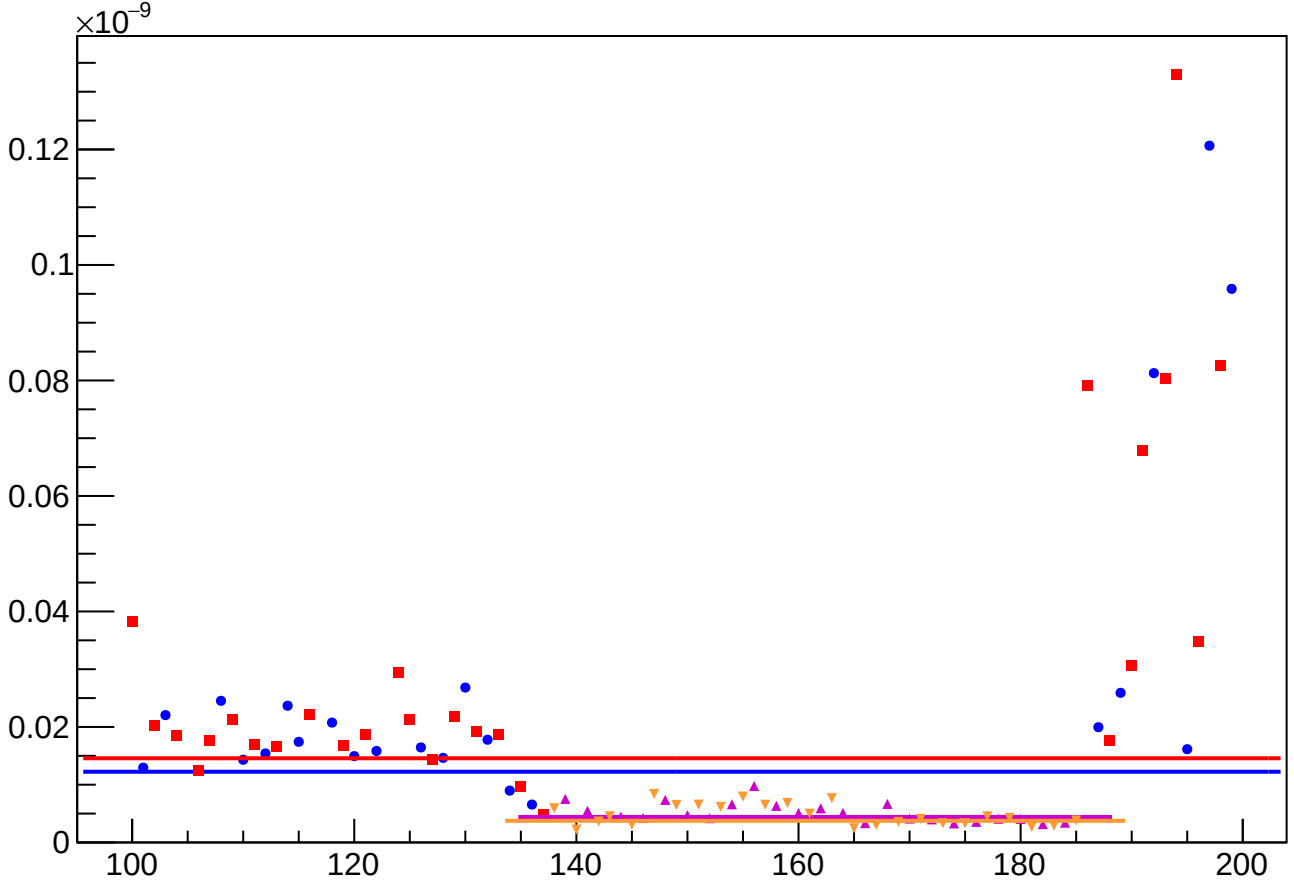
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/26

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

\+ sign -0.000+/-0.000 χ^2/NDF: 62.5/46

All: -0.000+/-0.000 χ^2/NDF: 119.7/96

\- sign -0.000+/-0.000 χ^2/NDF: 56.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 3954151.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4267483.0/26

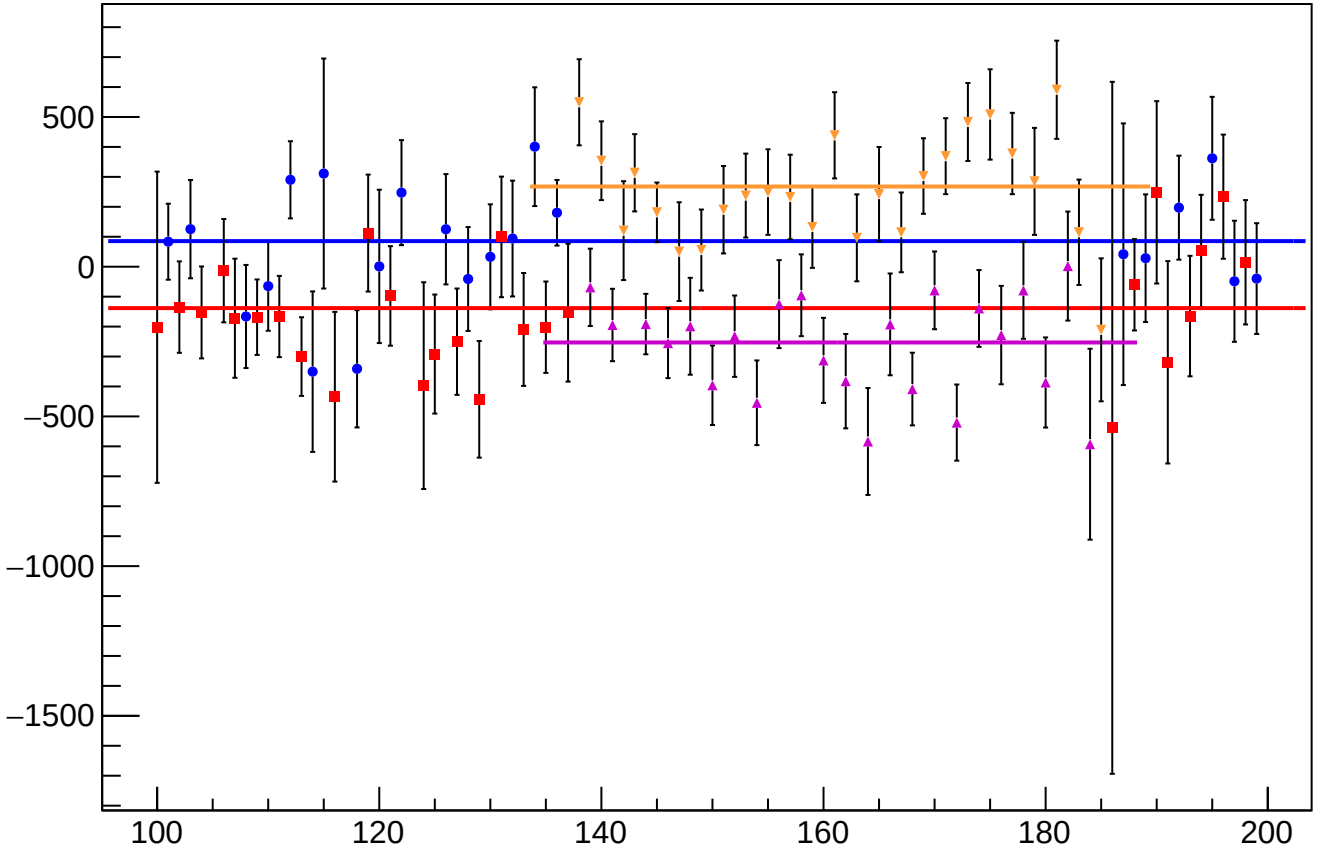
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11024535.6/46

All: 0.000+/-0.000 χ^2/NDF: 22134753.8/96

- sign 0.000+/-0.000 χ^2/NDF: 10722352.5/49

reg_asym_sam_48_dd_mean vs Slug



Right In: 85.469+/-37.766 χ^2/NDF: 21.6/21

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -138.315+/-36.099 χ^2/NDF: 17.8/26

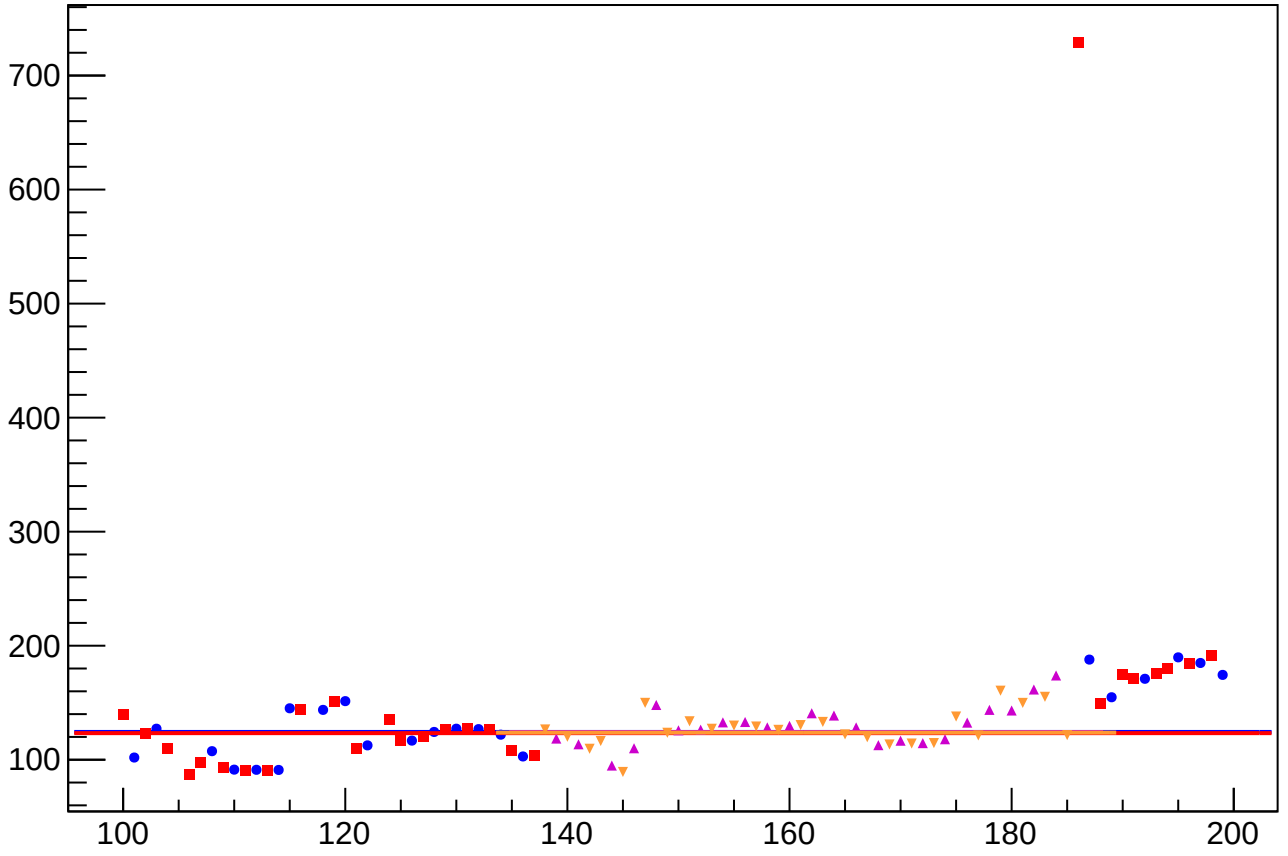
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 201.903+/-22.702 χ^2/NDF: 67.5/46

All: -2.294+/-16.072 χ^2/NDF: 279.7/96

- sign -207.457+/-22.756 χ^2/NDF: 50.1/49

reg_asym_sam_48_dd_rms vs Slug



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.4/21

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 123.321+/-0.026 χ^2/NDF: 2015931.0/26

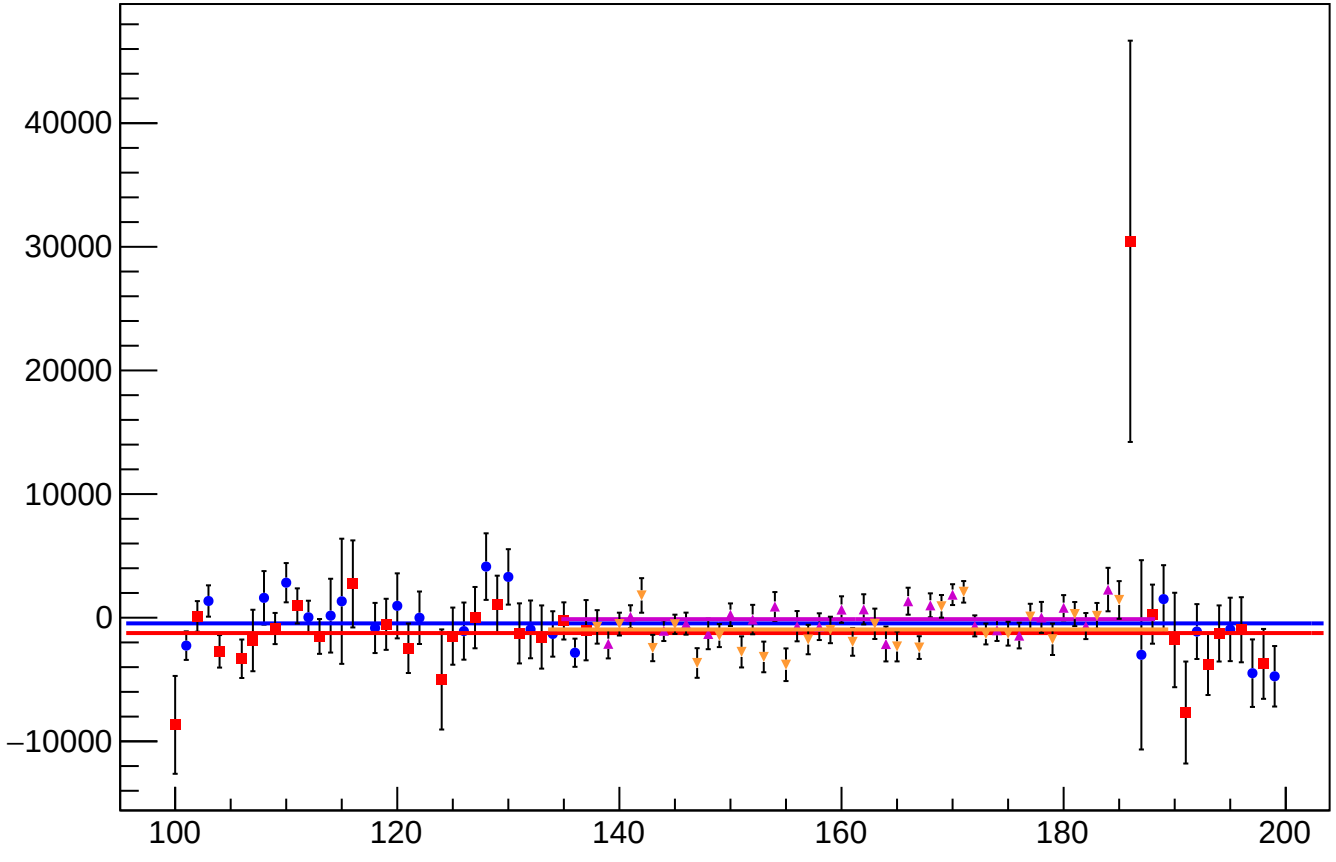
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.009+/-0.016 χ^2/NDF: 1836459.1/46

All: 123.948+/-0.011 χ^2/NDF: 4410447.0/96

- sign 123.886+/-0.016 χ^2/NDF: 2573958.9/49

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -459.638+/-412.413 χ^2/NDF: 26.7/21

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1242.530+/-391.667 χ^2/NDF: 23.1/26

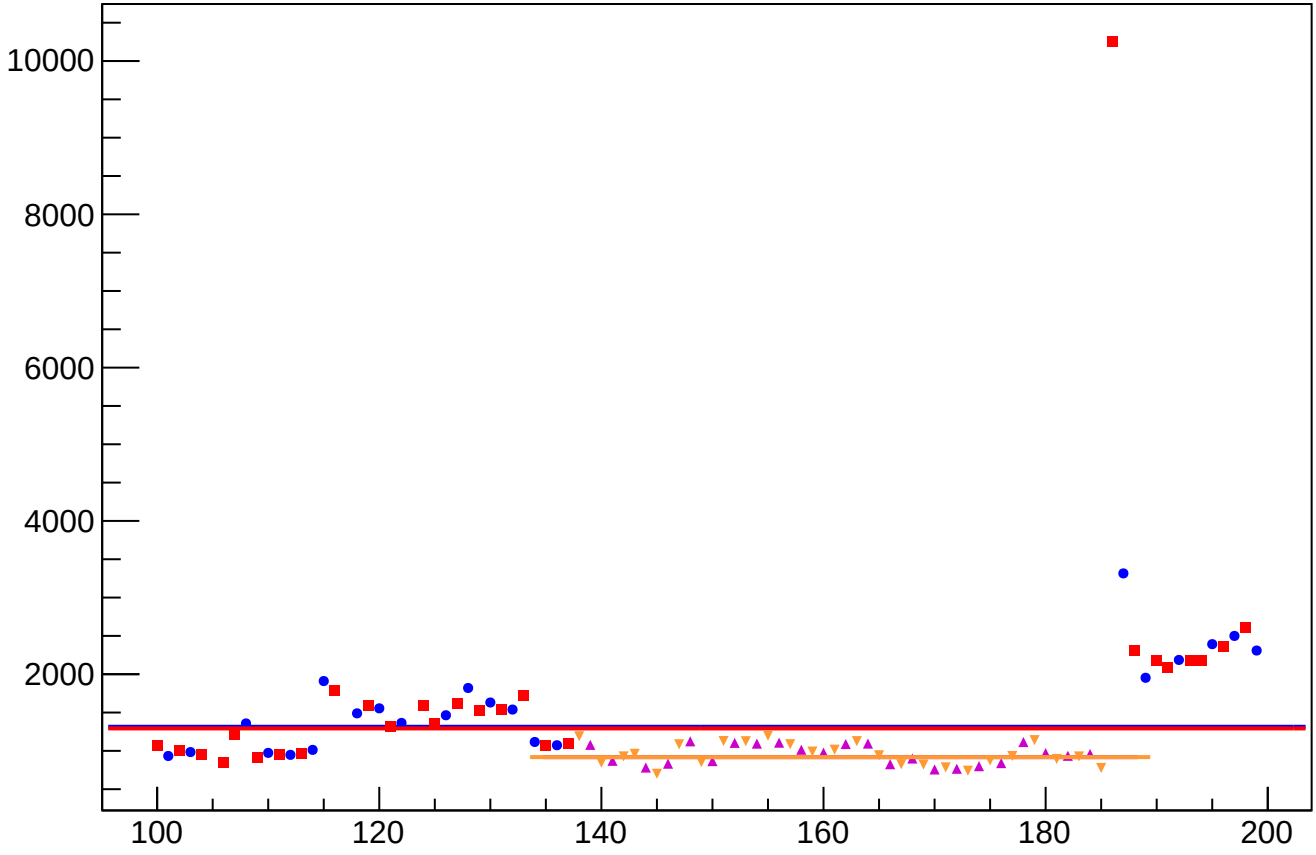
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -845.862+/-188.402 χ^2/NDF: 78.1/46

All: -616.172+/-133.755 χ^2/NDF: 134.9/96

- sign -382.754+/-189.925 χ^2/NDF: 53.8/49

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1314.273+/-0.292 χ^2/NDF: 2540828.0/21

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

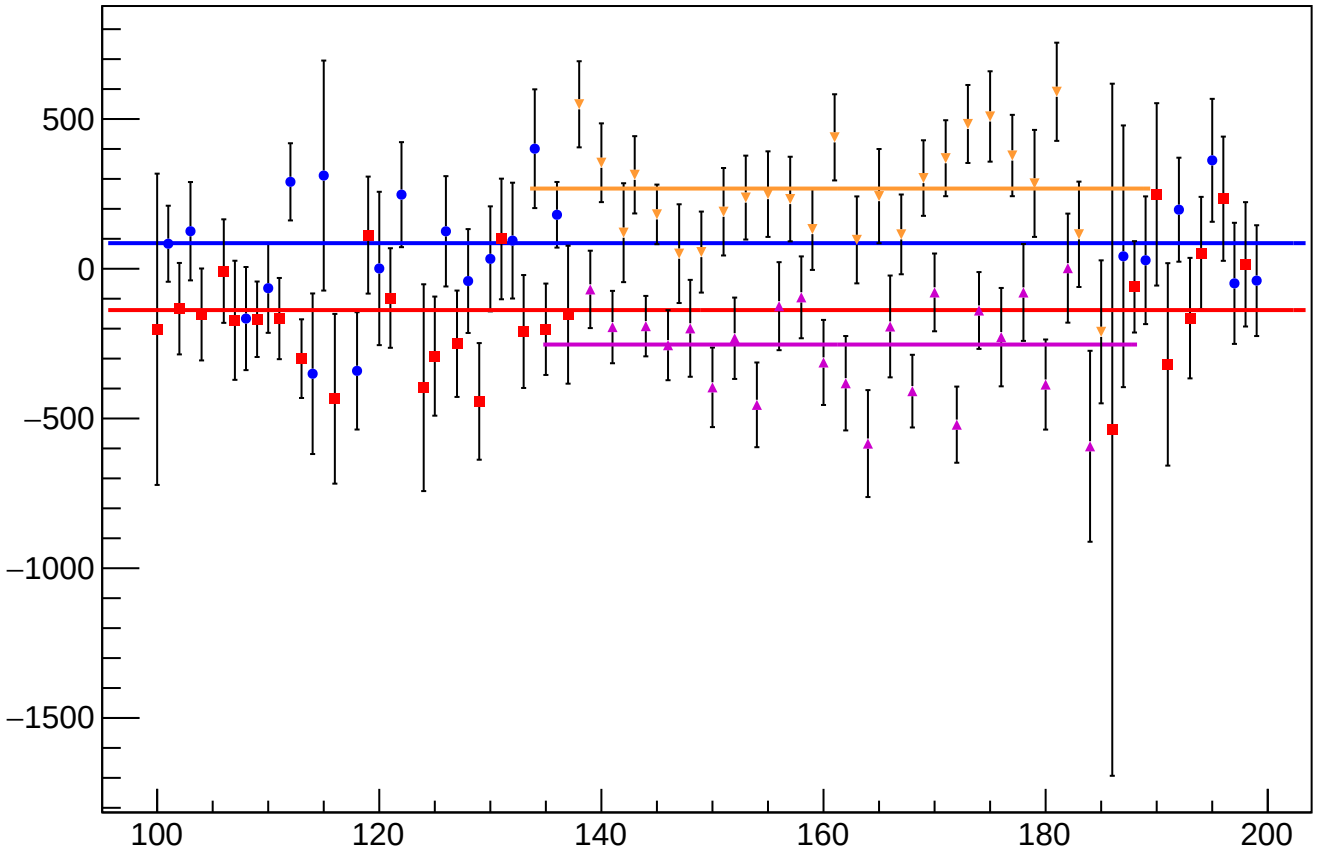
Right Out: 1292.574+/-0.277 χ^2/NDF: 3587804.0/26

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1001.096+/-0.133 χ^2/NDF: 4886120.4/46

All: 1003.648+/-0.095 χ^2/NDF: 10538442.8/9

- sign 1006.242+/-0.134 χ^2/NDF: 5651582.4/49



Right In: 85.460+/-37.766 χ^2/NDF: 21.6/21

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -137.998+/-36.103 χ^2/NDF: 17.9/26

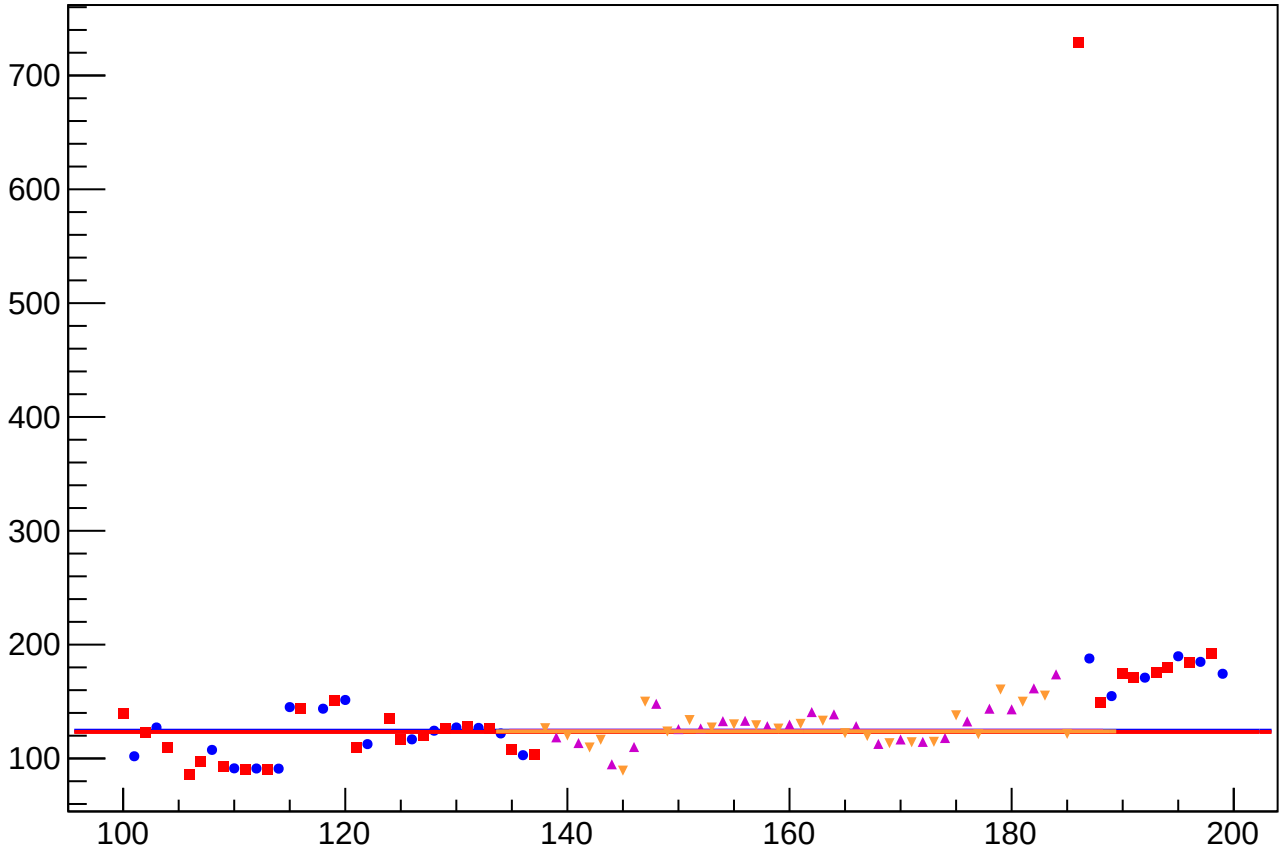
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 201.906+/-22.702 χ^2/NDF: 67.5/46

All: -2.225+/-16.072 χ^2/NDF: 279.7/96

- sign -207.339+/-22.757 χ^2/NDF: 50.2/49

cor_asym_sam_48_dd_rms vs Slug



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.6/21

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

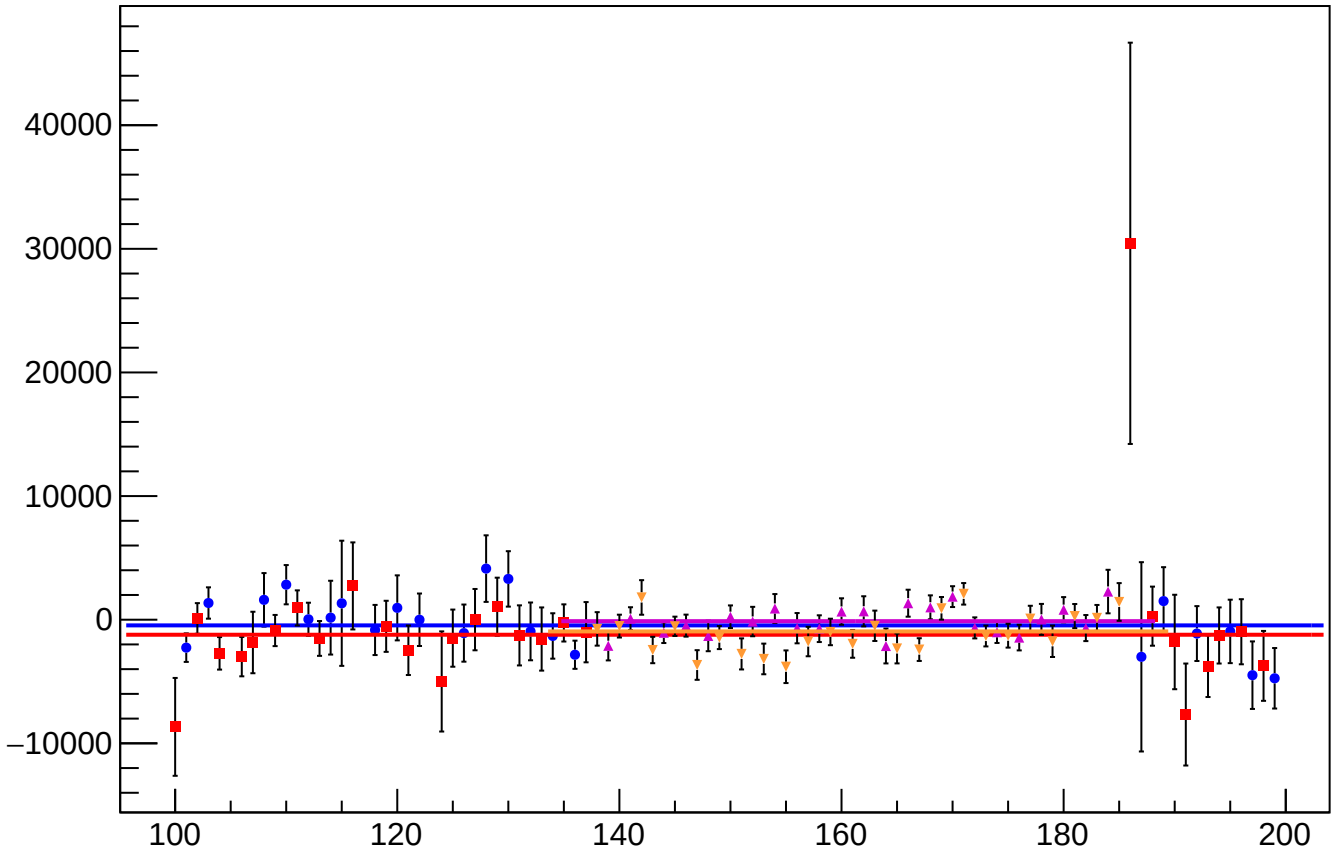
Right Out: 123.280+/-0.026 χ^2/NDF: 2021256.7/26

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.009+/-0.016 χ^2/NDF: 1836459.4/46

All: 123.939+/-0.011 χ^2/NDF: 4415854.3/96

- sign 123.870+/-0.016 χ^2/NDF: 2579357.7/49



Right In: -459.719+/-412.416 χ^2/NDF: 26.7/21

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1216.559+/-392.250 χ^2/NDF: 22.5/26

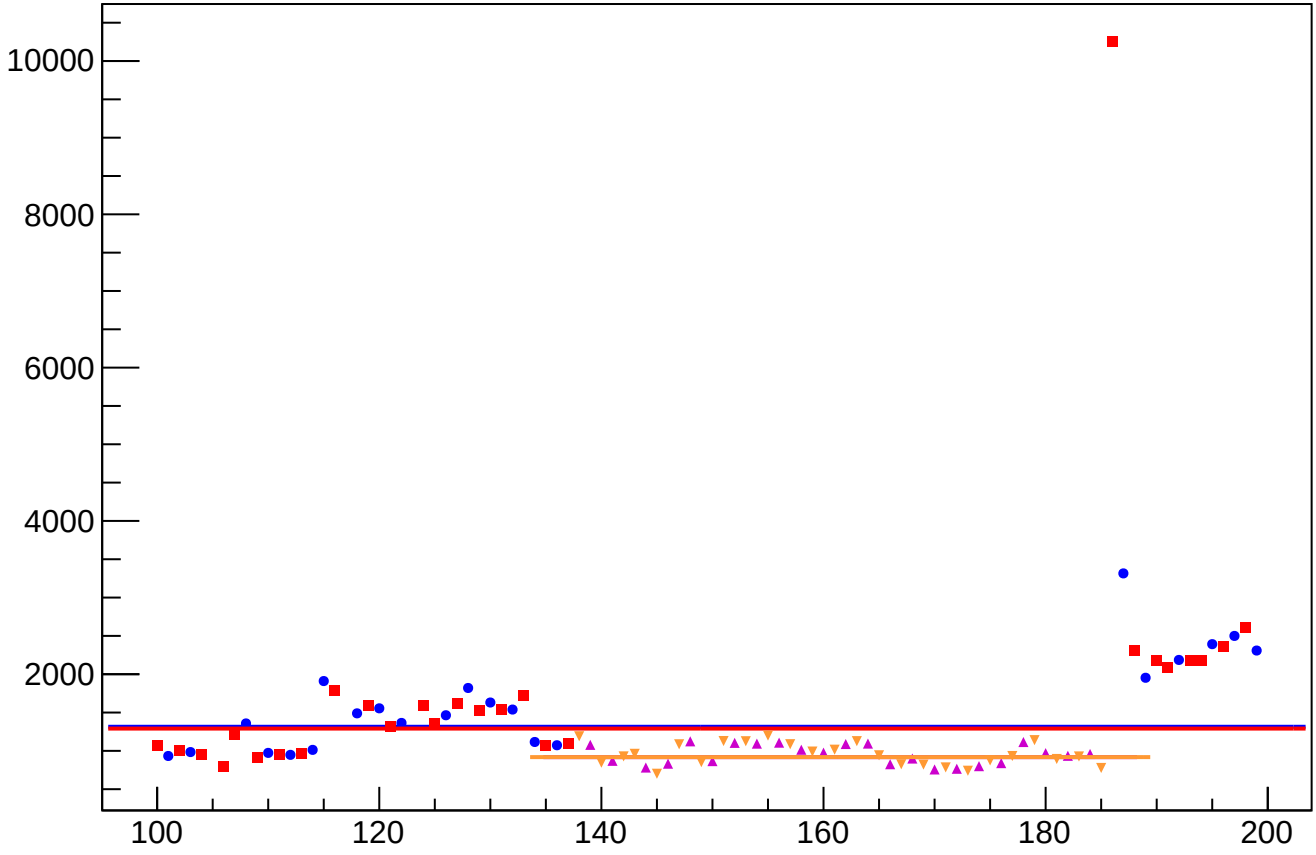
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -845.870+/-188.402 χ^2/NDF: 78.1/46

All: -612.939+/-133.779 χ^2/NDF: 134.1/96

- sign -376.062+/-189.991 χ^2/NDF: 52.9/49

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1314.284+/-0.292 χ^2/NDF: 2540762.7/21

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1290.859+/-0.277 χ^2/NDF: 3617469.8/26

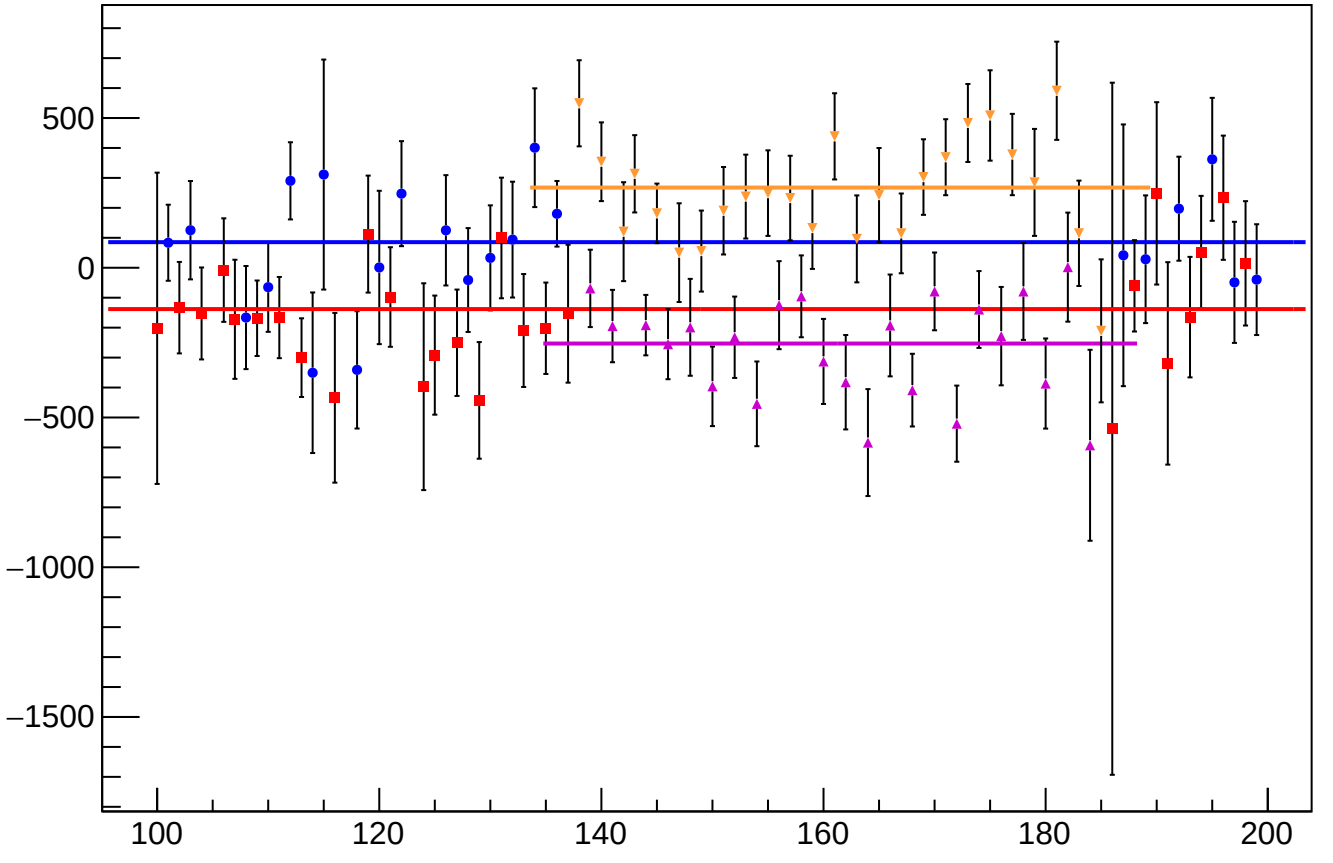
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1001.097+/-0.133 χ^2/NDF: 4886115.4/46

All: 1003.349+/-0.095 χ^2/NDF: 10552014.3/9

- sign 1005.639+/-0.134 χ^2/NDF: 5665322.6/49

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 85.460+/-37.766 χ^2/NDF: 21.6/21

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -137.998+/-36.103 χ^2/NDF: 17.9/26

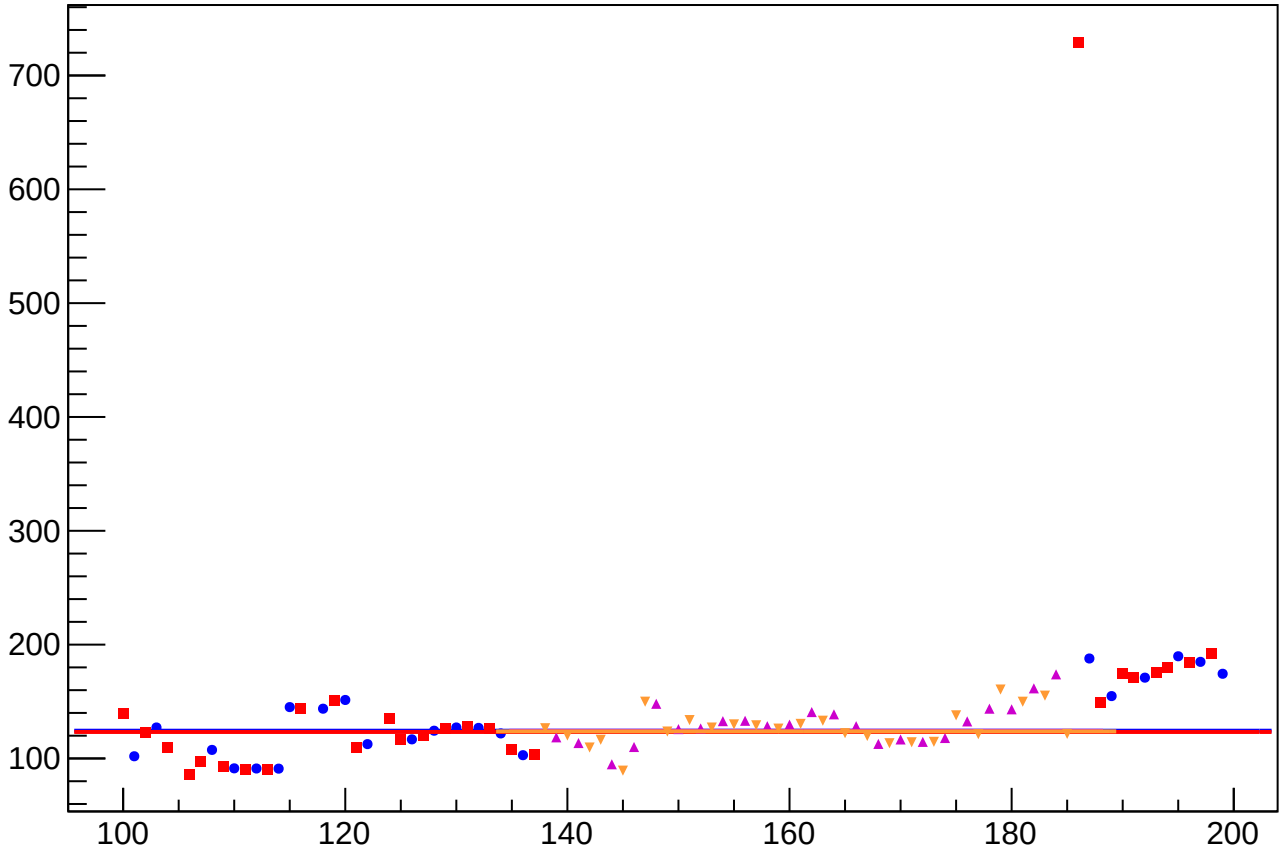
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 201.906+/-22.702 χ^2/NDF: 67.5/46

All: -2.225+/-16.072 χ^2/NDF: 279.7/96

- sign -207.339+/-22.757 χ^2/NDF: 50.2/49

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.6/21

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

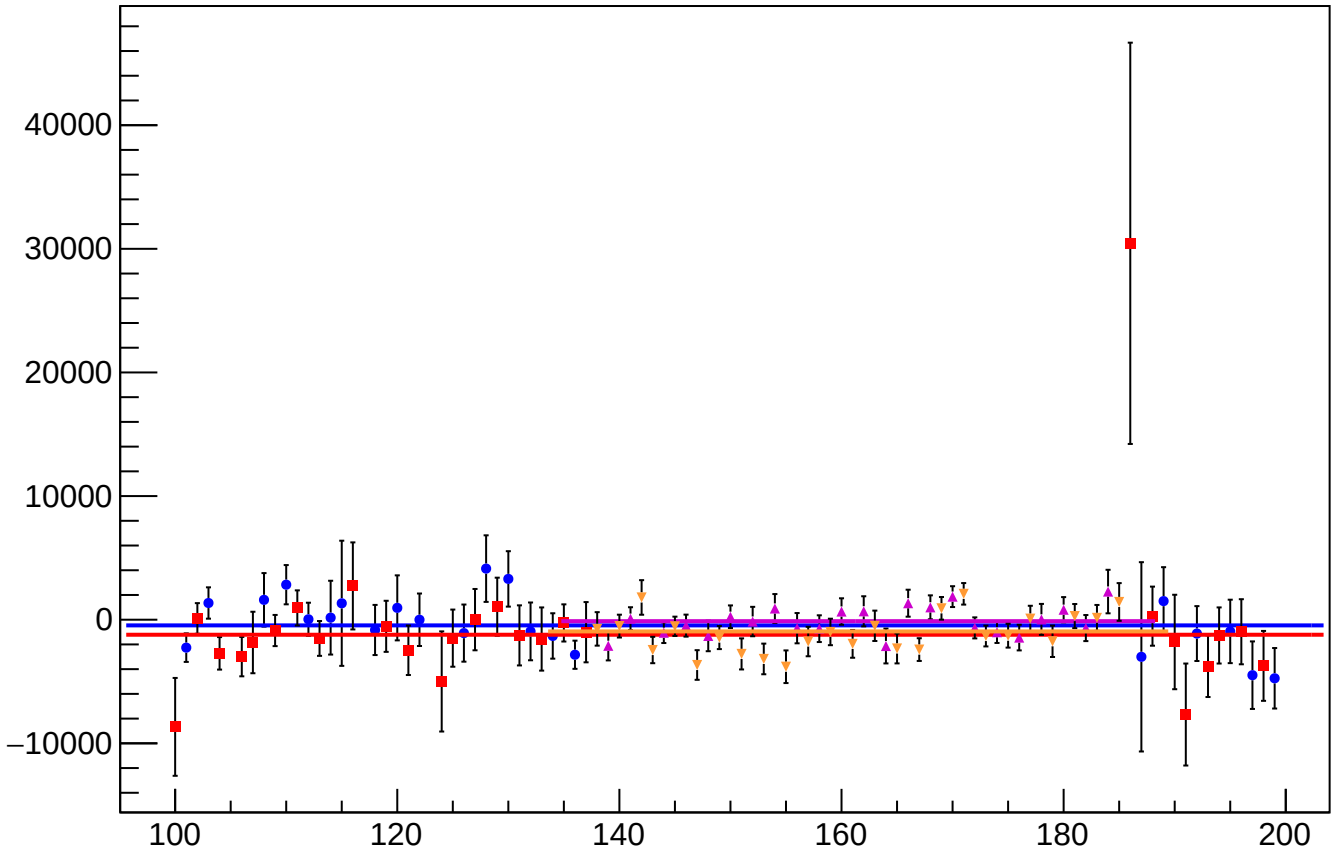
Right Out: 123.280+/-0.026 χ^2/NDF: 2021256.7/26

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.009+/-0.016 χ^2/NDF: 1836459.4/46

All: 123.939+/-0.011 χ^2/NDF: 4415854.3/96

- sign 123.870+/-0.016 χ^2/NDF: 2579357.7/49



Right In: -459.719+/-412.416 χ^2/NDF: 26.7/21

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

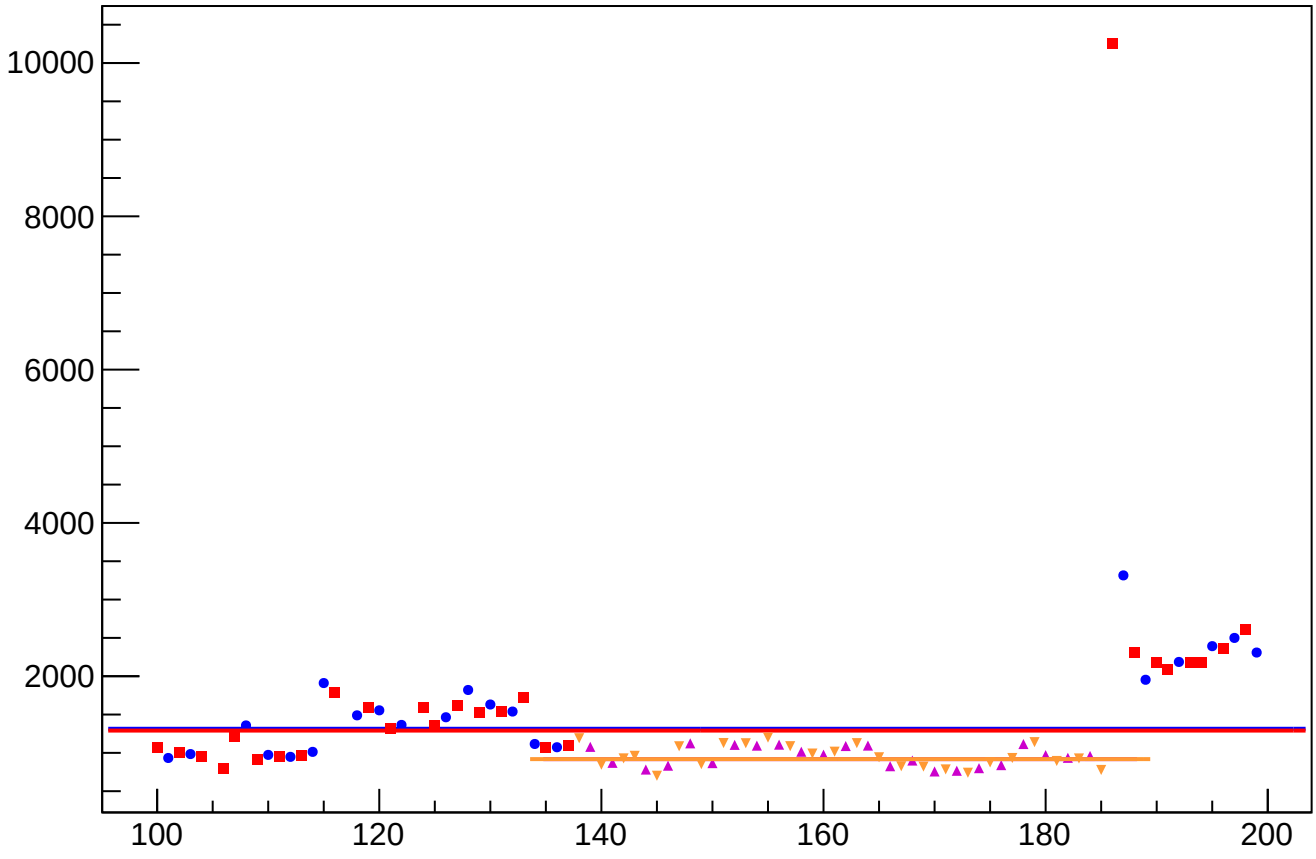
Right Out: -1216.559+/-392.250 χ^2/NDF: 22.5/26

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -845.870+/-188.402 χ^2/NDF: 78.1/46

All: -612.939+/-133.779 χ^2/NDF: 134.1/96

- sign -376.062+/-189.991 χ^2/NDF: 52.9/49



Right In: 1314.284+/-0.292 χ^2/NDF: 2540762.7/21

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1290.859+/-0.277 χ^2/NDF: 3617469.8/26

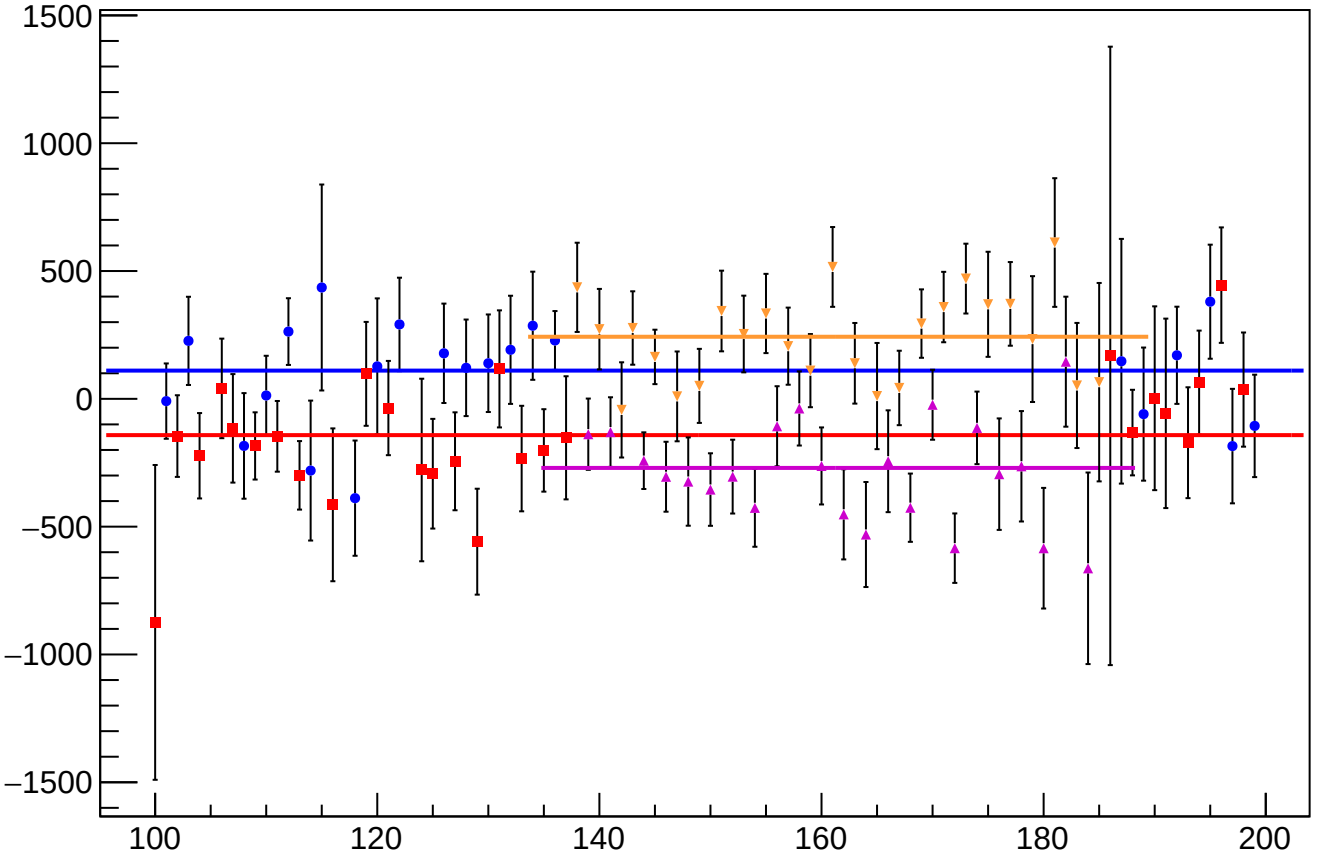
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1001.097+/-0.133 χ^2/NDF: 4886115.4/46

All: 1003.349+/-0.095 χ^2/NDF: 10552014.3/9

- sign 1005.639+/-0.134 χ^2/NDF: 5665322.6/49

dit_asym_sam_48_dd_mean vs Slug



Right In: 110.469+/-40.812 χ^2/NDF: 20.4/21

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -141.934+/-38.585 χ^2/NDF: 21.9/26

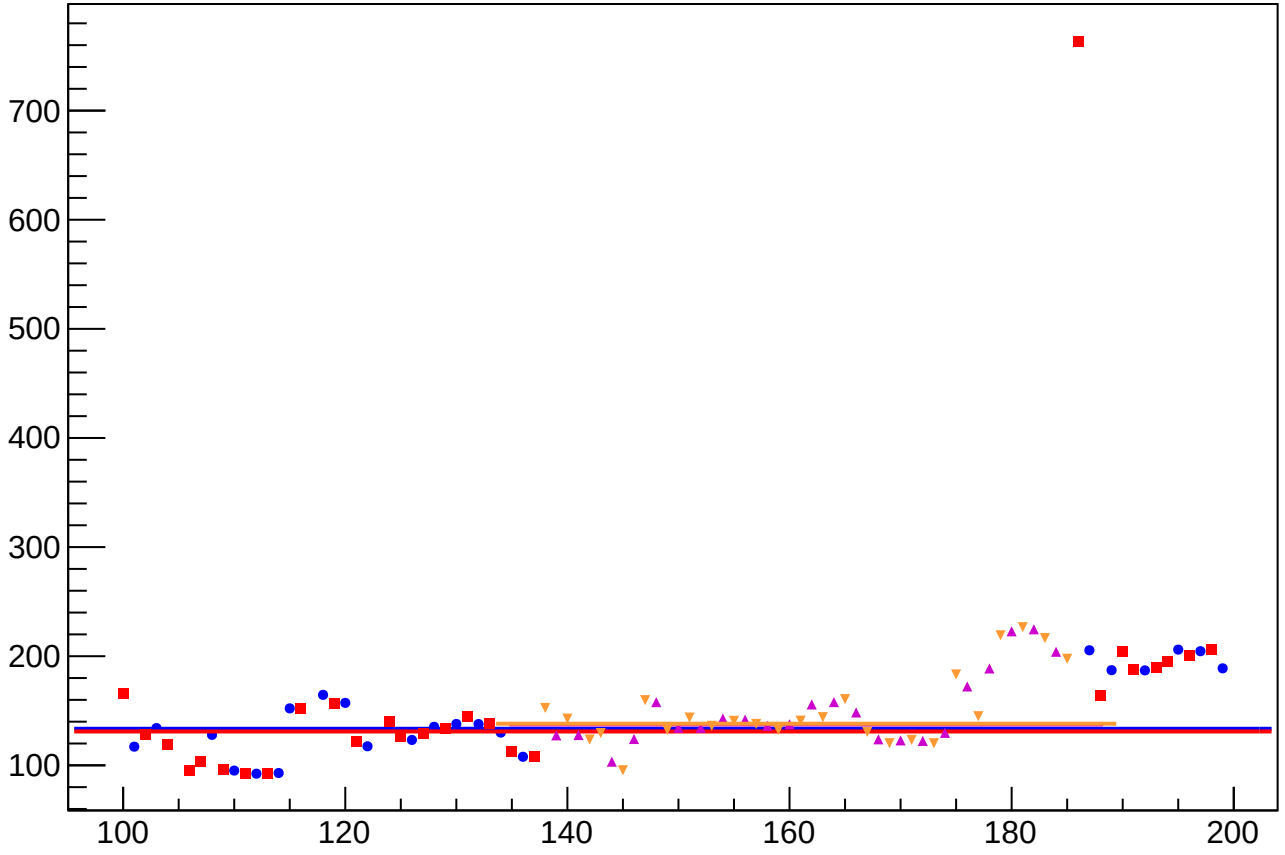
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 192.204+/-25.249 χ^2/NDF: 50.6/46

All: -13.786+/-17.777 χ^2/NDF: 237.5/96

- sign -216.242+/-25.032 χ^2/NDF: 55.0/49

dit_asym_sam_48_dd_rms vs Slug



Right In: 133.497+/-0.029 χ^2/NDF: 1426567.8/21

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 131.019+/-0.027 χ^2/NDF: 2194505.4/26

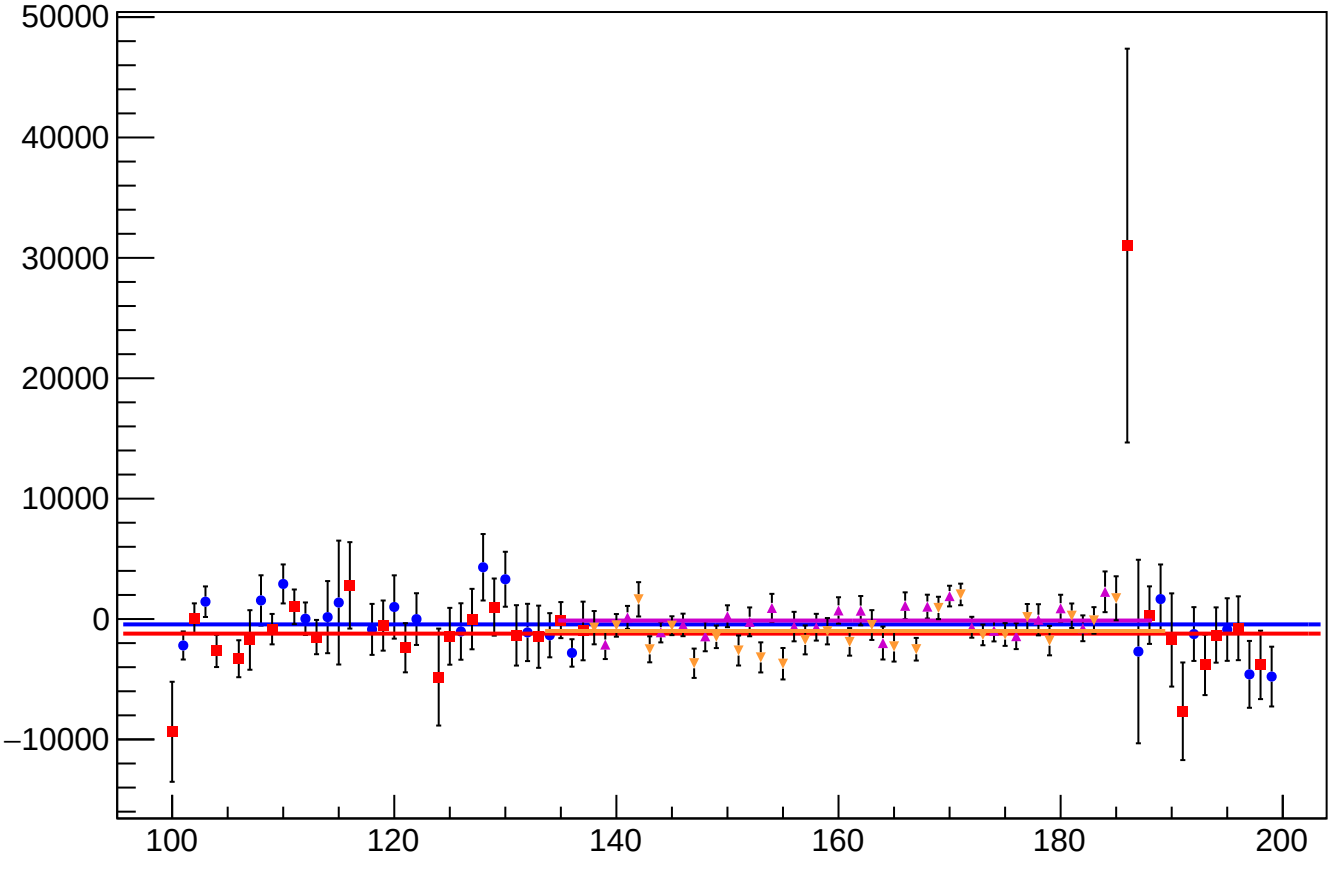
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 136.355+/-0.018 χ^2/NDF: 2780765.9/46

All: 135.554+/-0.013 χ^2/NDF: 6121179.2/96

- sign 134.767+/-0.018 χ^2/NDF: 3336425.6/49

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -445.045+/-416.094 χ^2/NDF: 26.8/21

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1211.860+/-394.287 χ^2/NDF: 23.5/26

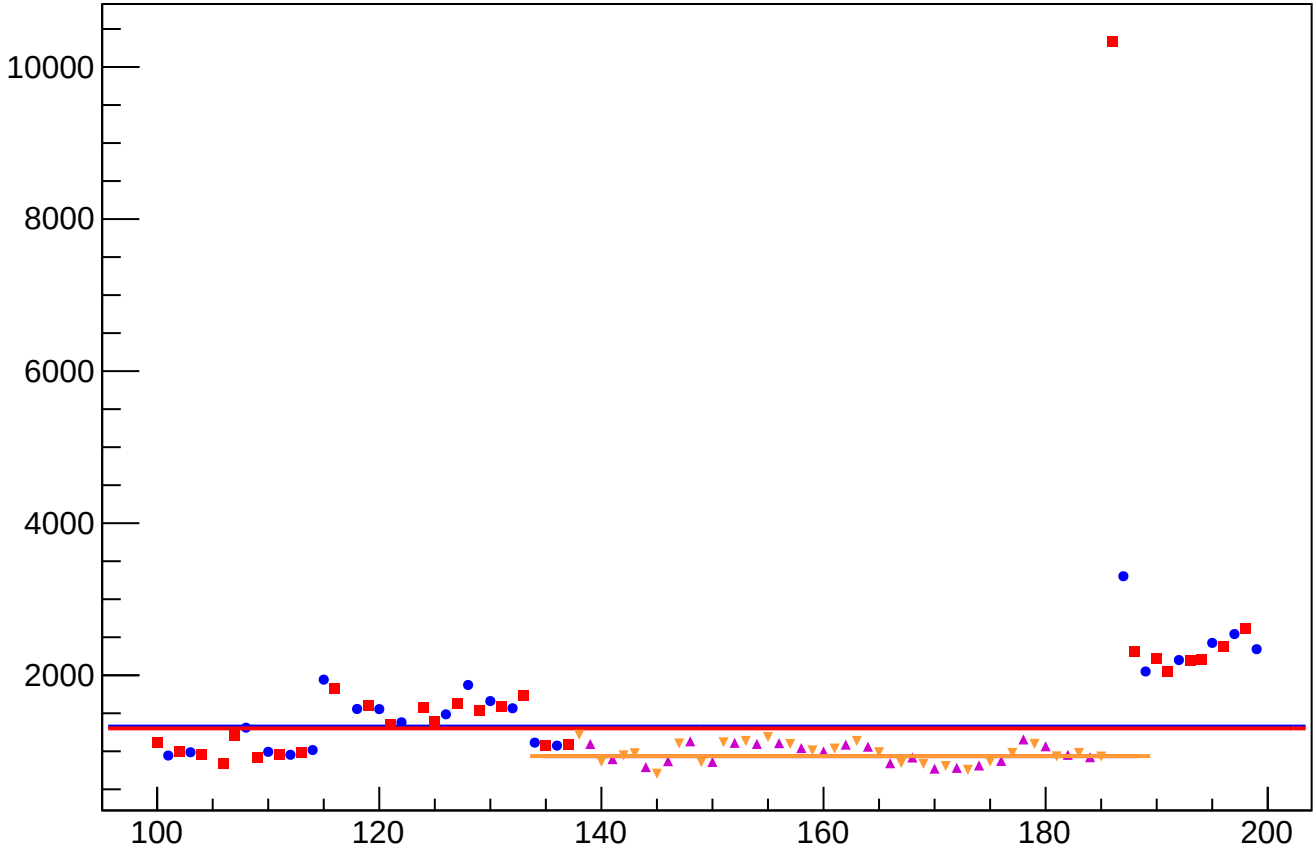
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -877.165+/-191.465 χ^2/NDF: 75.1/46

All: -633.265+/-135.935 χ^2/NDF: 131.4/96

- sign -385.373+/-193.026 χ^2/NDF: 53.1/49

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1324.795+/-0.294 χ^2/NDF: 2603573.0/21

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1301.492+/-0.279 χ^2/NDF: 3613138.5/26

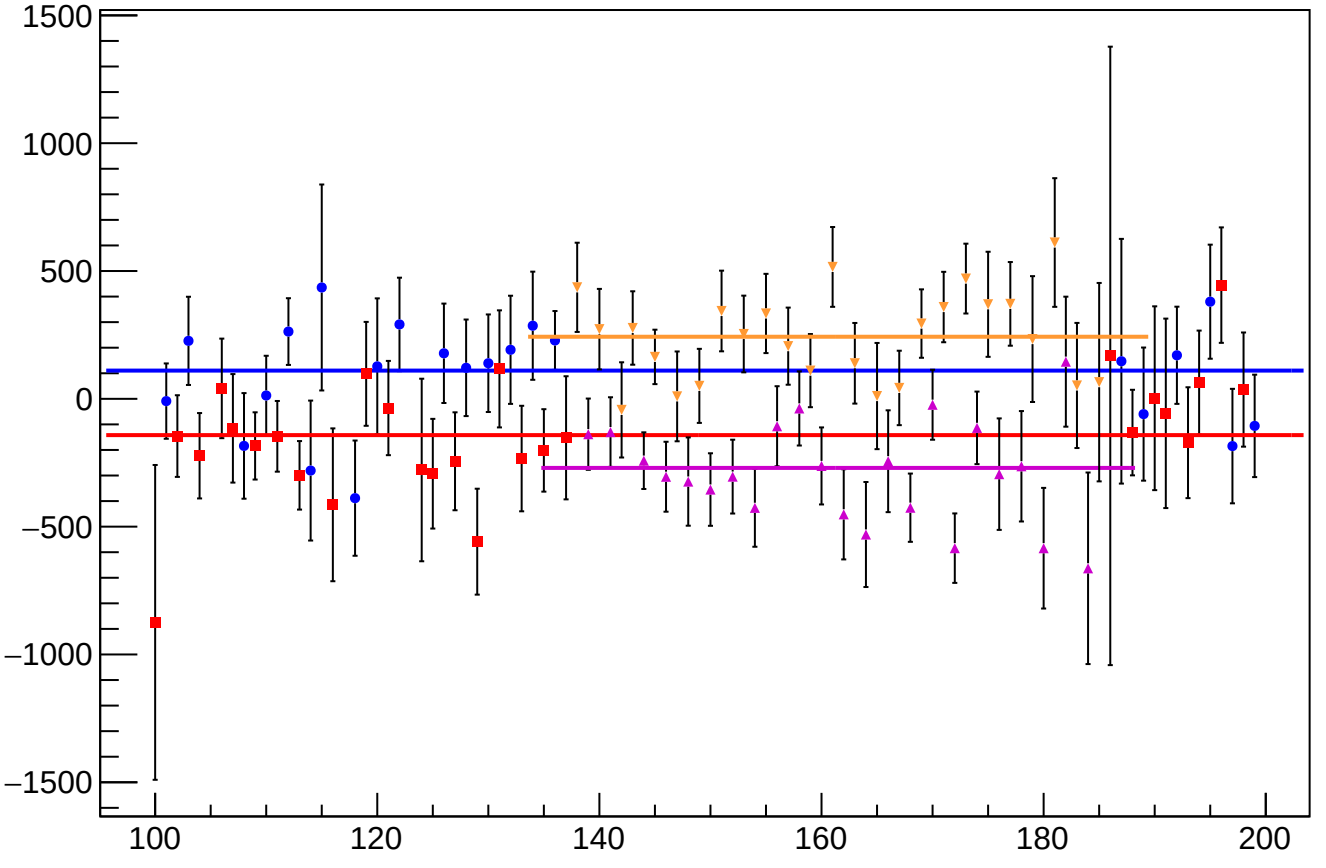
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1018.908+/-0.135 χ^2/NDF: 4807206.2/46

All: 1021.376+/-0.096 χ^2/NDF: 10367713.4/9

- sign 1023.885+/-0.136 χ^2/NDF: 5559837.0/49

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 110.471+/-40.812 χ^2/NDF: 20.4/21

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -141.934+/-38.585 χ^2/NDF: 21.9/26

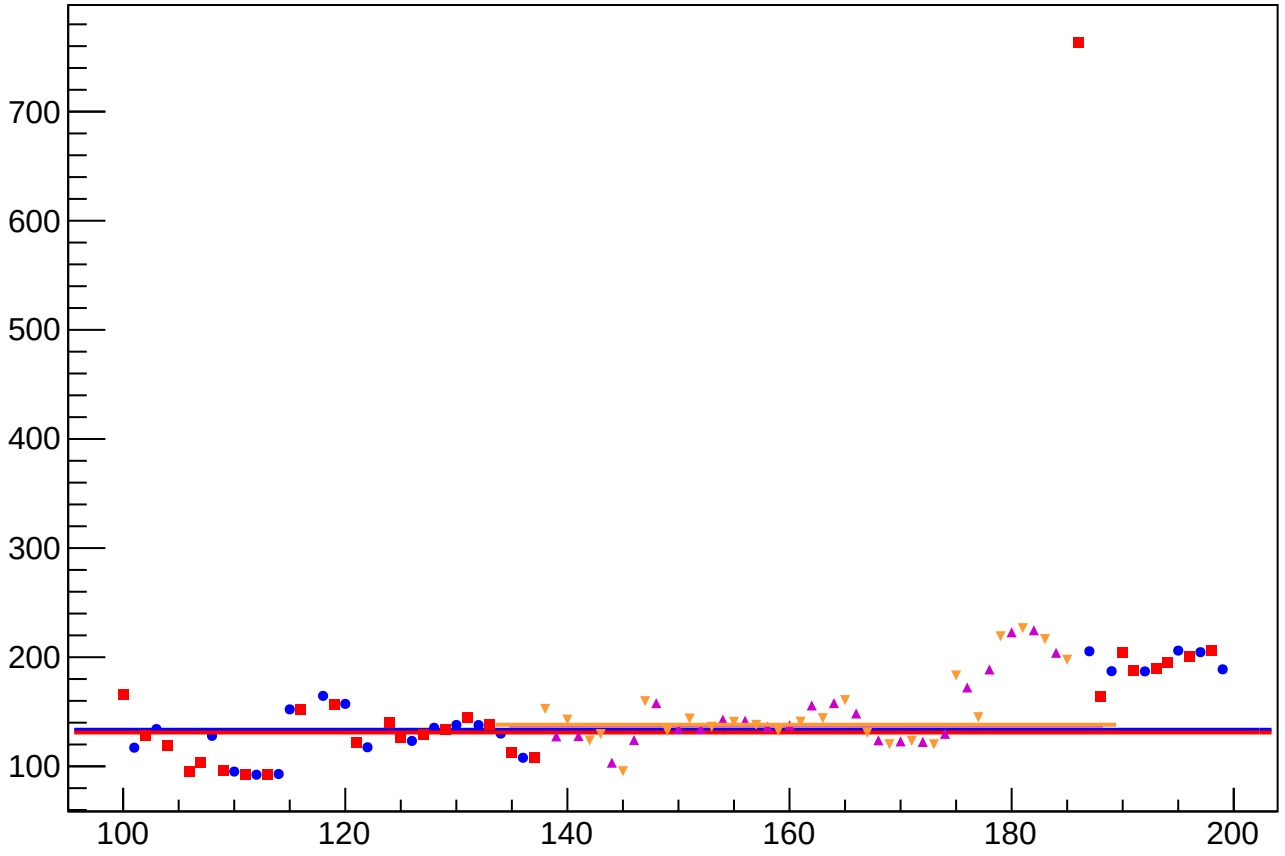
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 192.206+/-25.249 χ^2/NDF: 50.6/46

All: -13.785+/-17.777 χ^2/NDF: 237.5/96

- sign -216.243+/-25.032 χ^2/NDF: 55.0/49

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 133.497+/-0.029 χ^2/NDF: 1426560.3/21

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

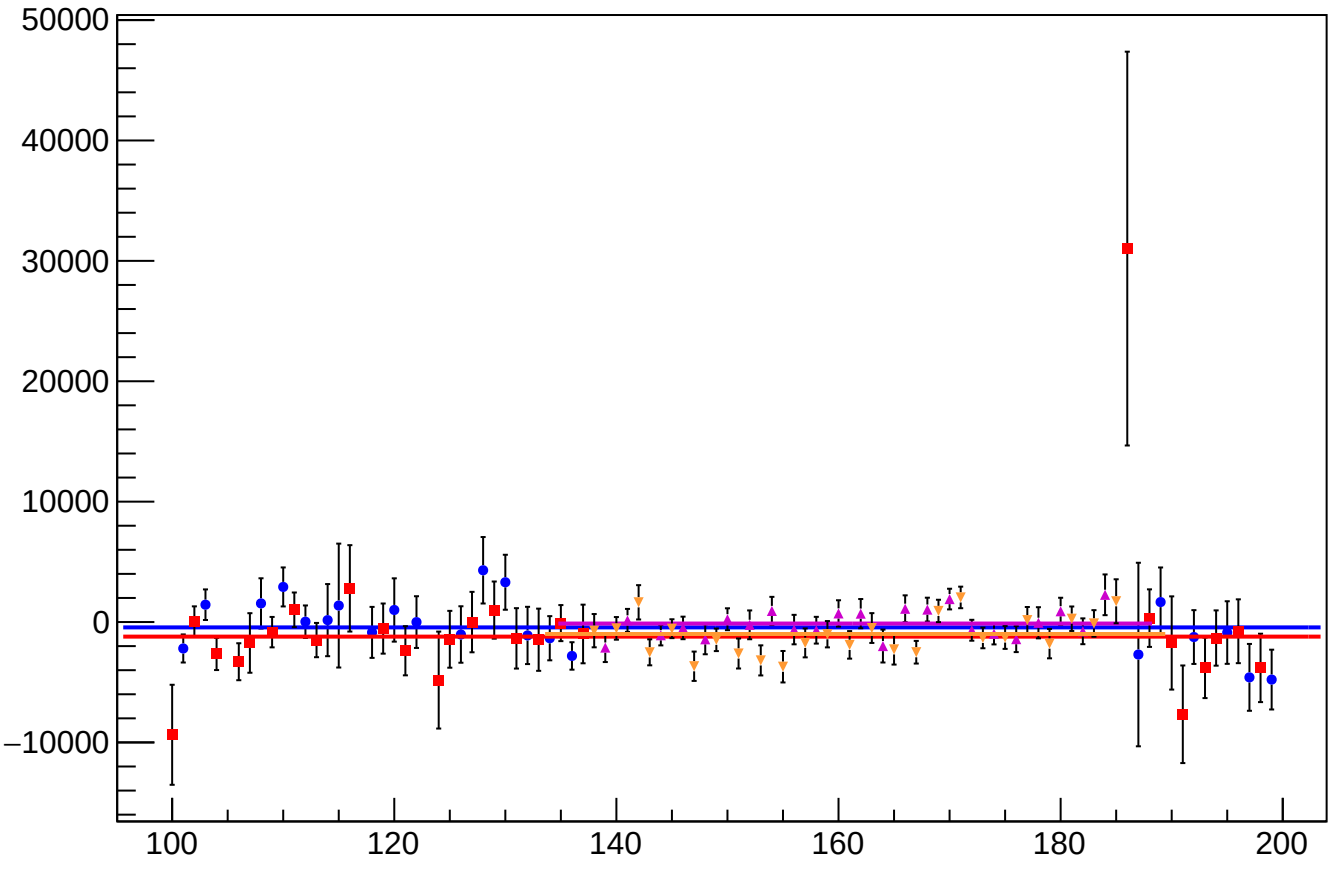
Right Out: 131.019+/-0.027 χ^2/NDF: 2194508.0/26

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 136.355+/-0.018 χ^2/NDF: 2780761.7/46

All: 135.554+/-0.013 χ^2/NDF: 6121164.2/96

- sign 134.767+/-0.018 χ^2/NDF: 3336414.8/49



Right In: -445.045+/-416.094 χ^2/NDF: 26.8/21

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1211.859+/-394.287 χ^2/NDF: 23.5/26

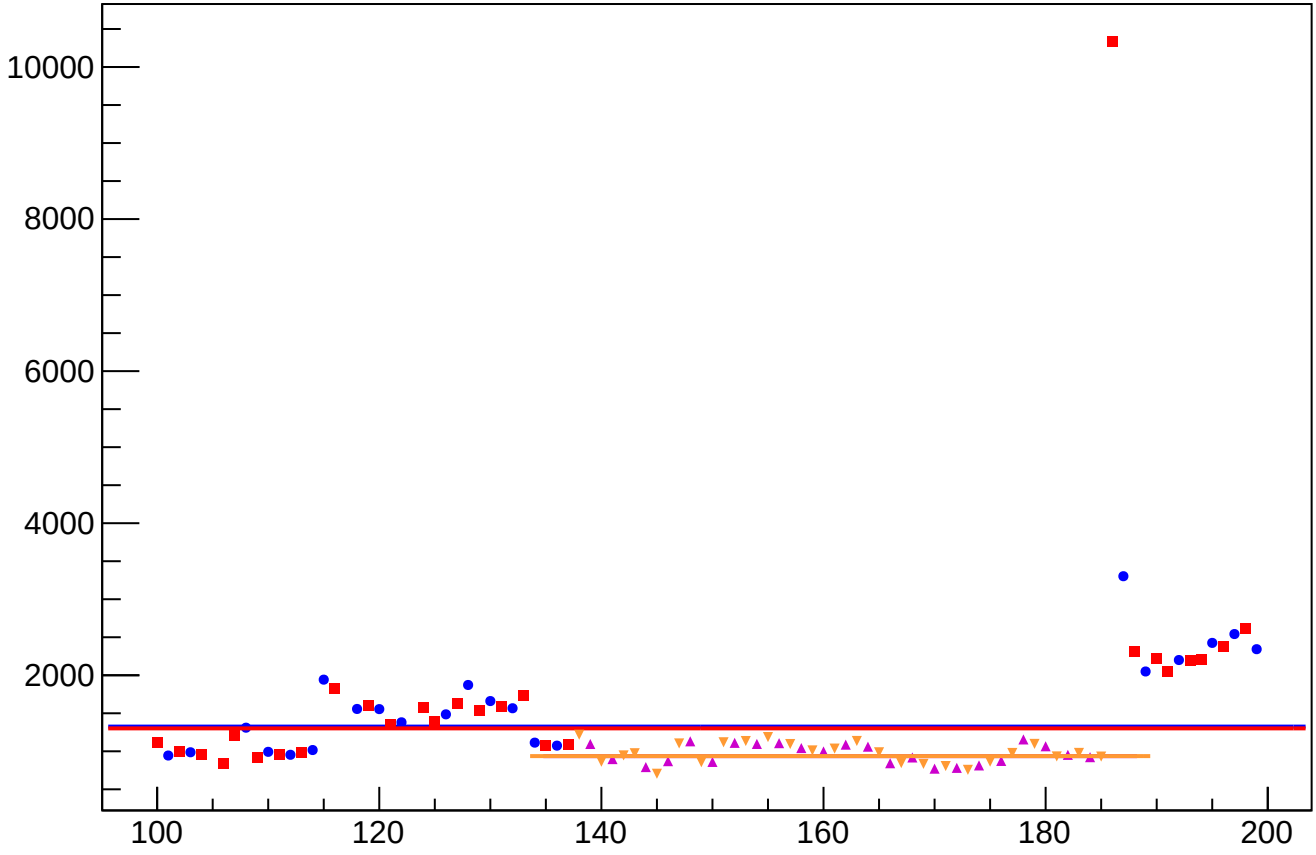
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -877.163+/-191.465 χ^2/NDF: 75.1/46

All: -633.264+/-135.934 χ^2/NDF: 131.4/96

- sign -385.372+/-193.025 χ^2/NDF: 53.1/49

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1324.794+/-0.294 χ^2/NDF: 2603570.3/21

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

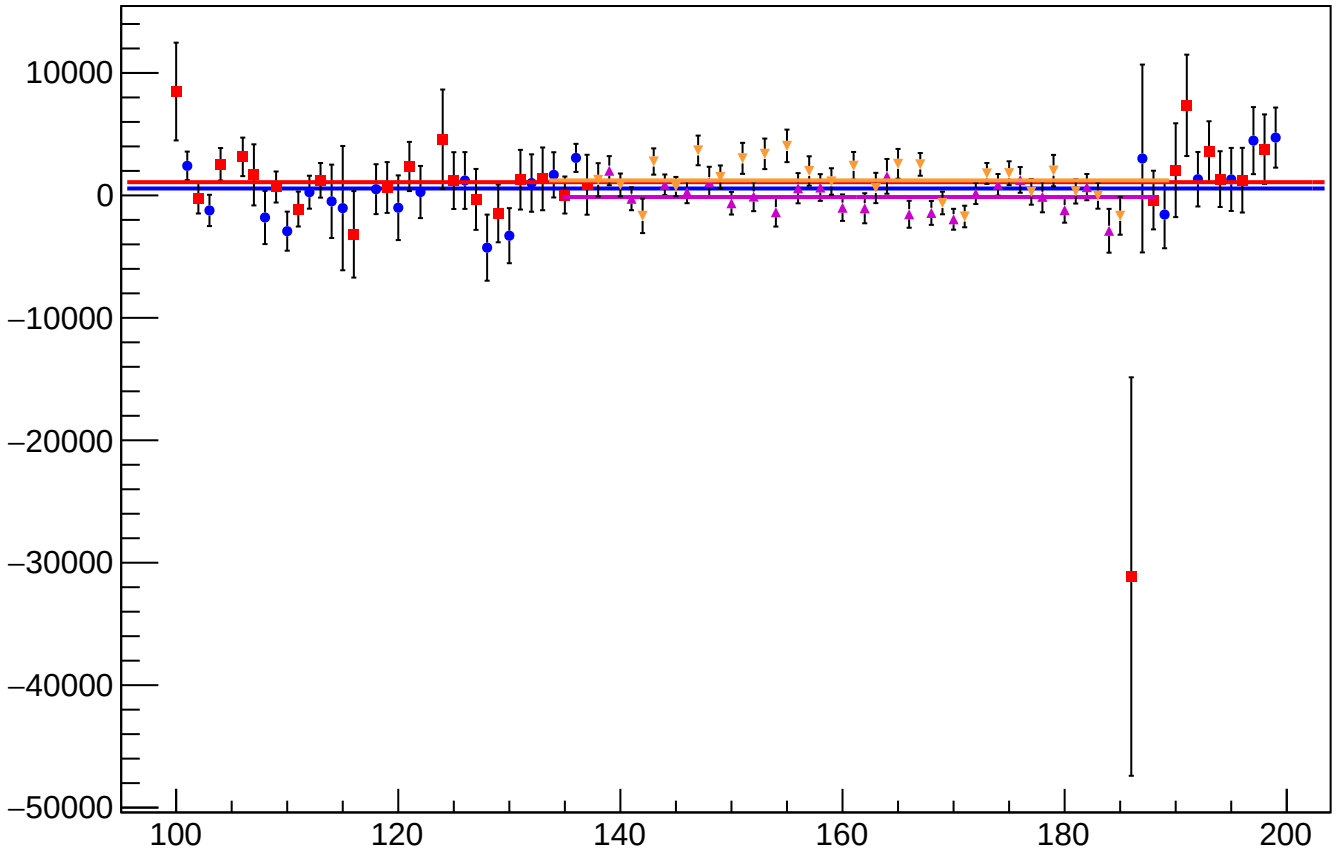
Right Out: 1301.491+/-0.279 χ^2/NDF: 3613133.4/26

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1018.907+/-0.135 χ^2/NDF: 4807214.0/46

All: 1021.375+/-0.096 χ^2/NDF: 10367720.3/9

- sign 1023.884+/-0.136 χ^2/NDF: 5559836.1/49



Right In: 563.794+/-414.494 χ^2/NDF: 28.3/21

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1081.631+/-393.718 χ^2/NDF: 23.2/26

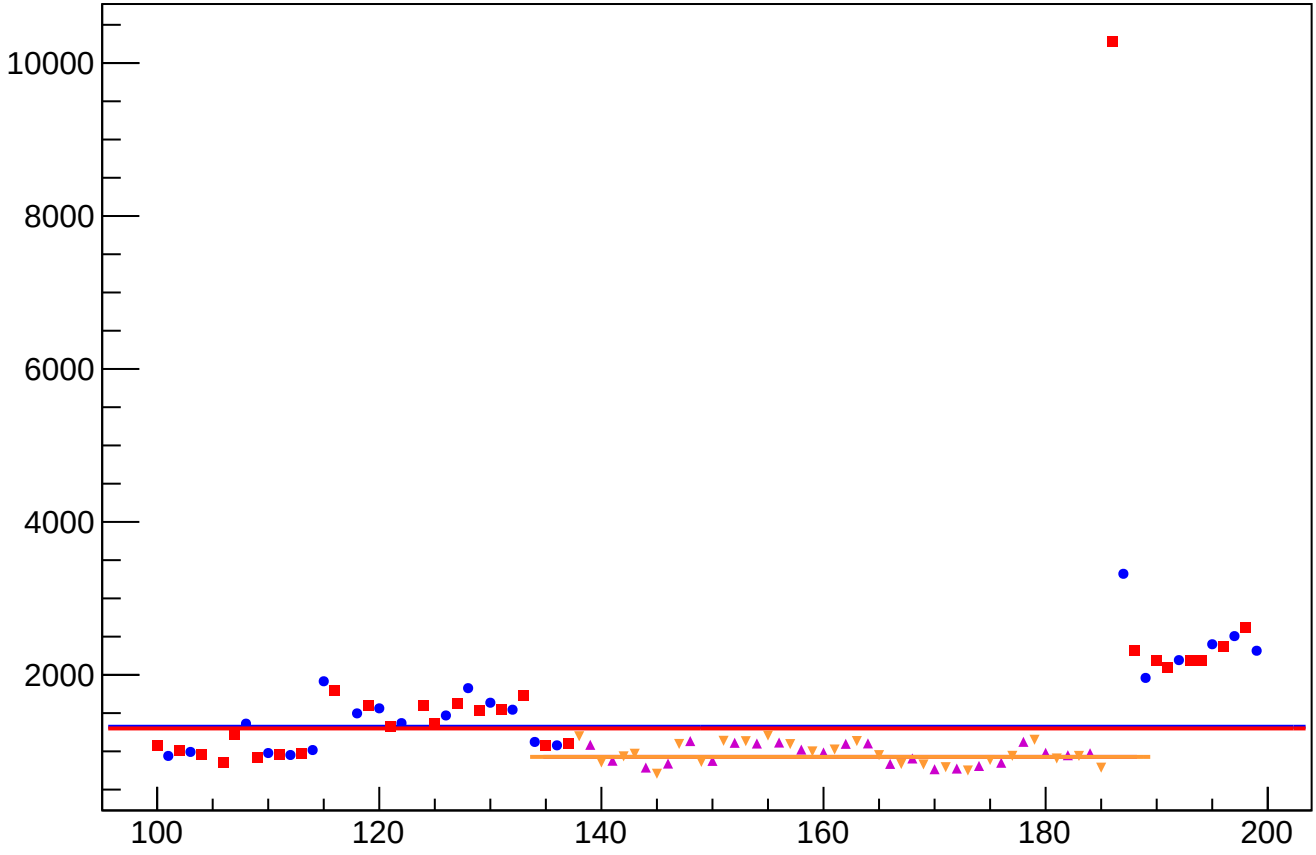
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1086.416+/-190.042 χ^2/NDF: 78.8/46

All: 624.285+/-134.917 χ^2/NDF: 147.1/96

- sign 154.689+/-191.571 χ^2/NDF: 56.3/49

asym_sam_48_dd_rms vs Slug



Right In: 1321.458+/-0.293 χ^2/NDF: 2523922.8/21

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1299.708+/-0.278 χ^2/NDF: 3569246.7/26

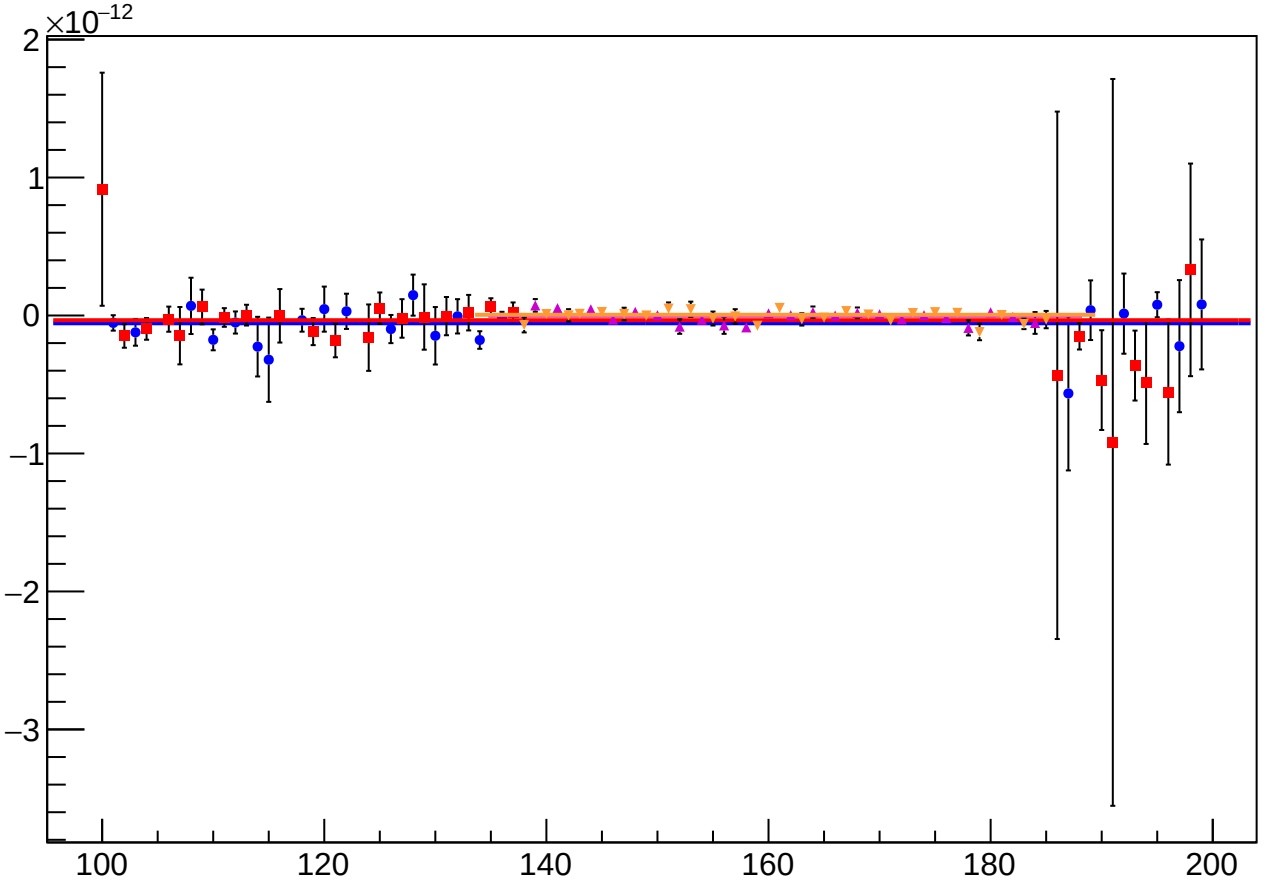
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1010.402+/-0.134 χ^2/NDF: 4825187.5/46

All: 1012.922+/-0.095 χ^2/NDF: 10417259.5/9

- 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: 16.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

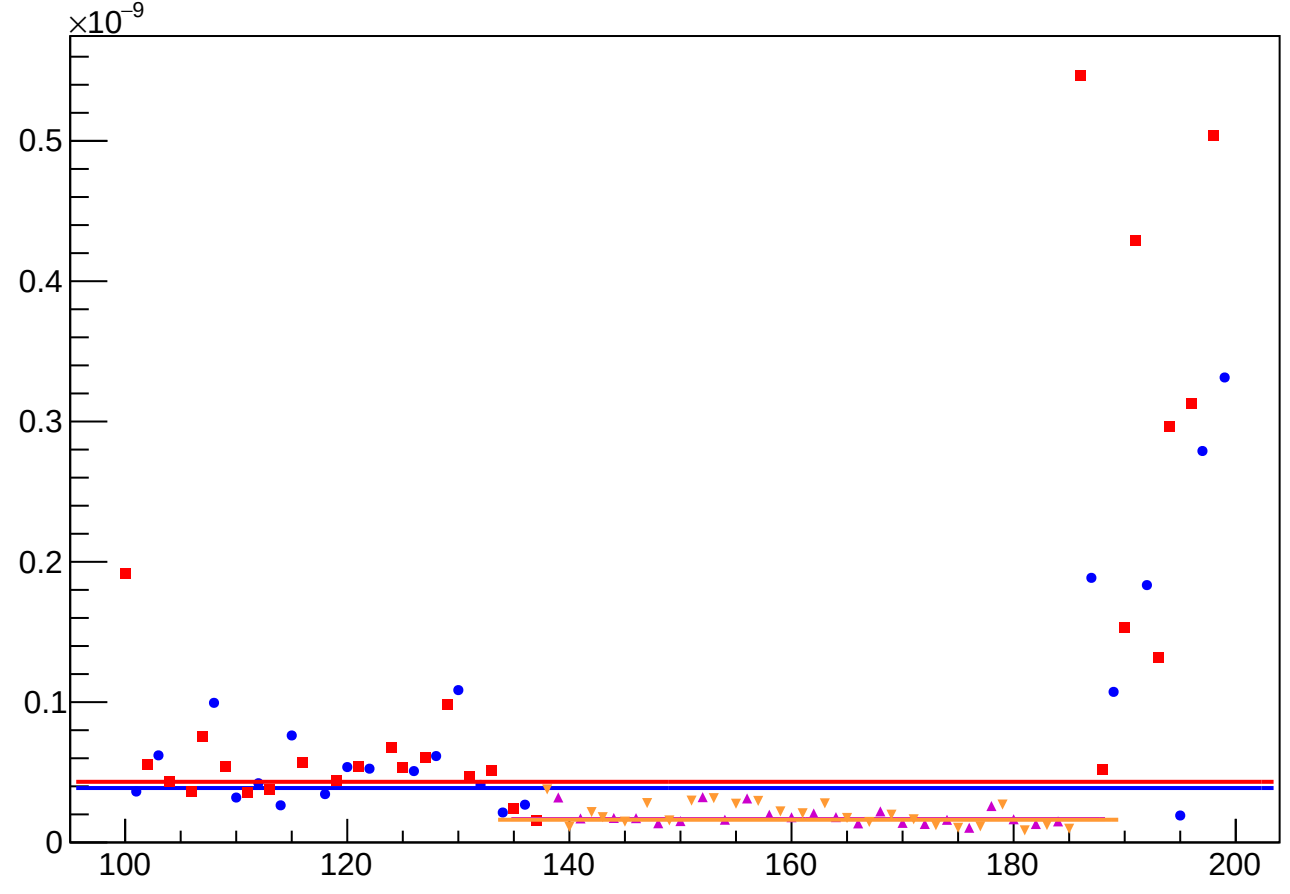
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/26

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.3/46

All: -0.000+/-0.000 χ^2/NDF: 97.9/96

- sign -0.000+/-0.000 χ^2/NDF: 48.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 3217355.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3457373.6/26

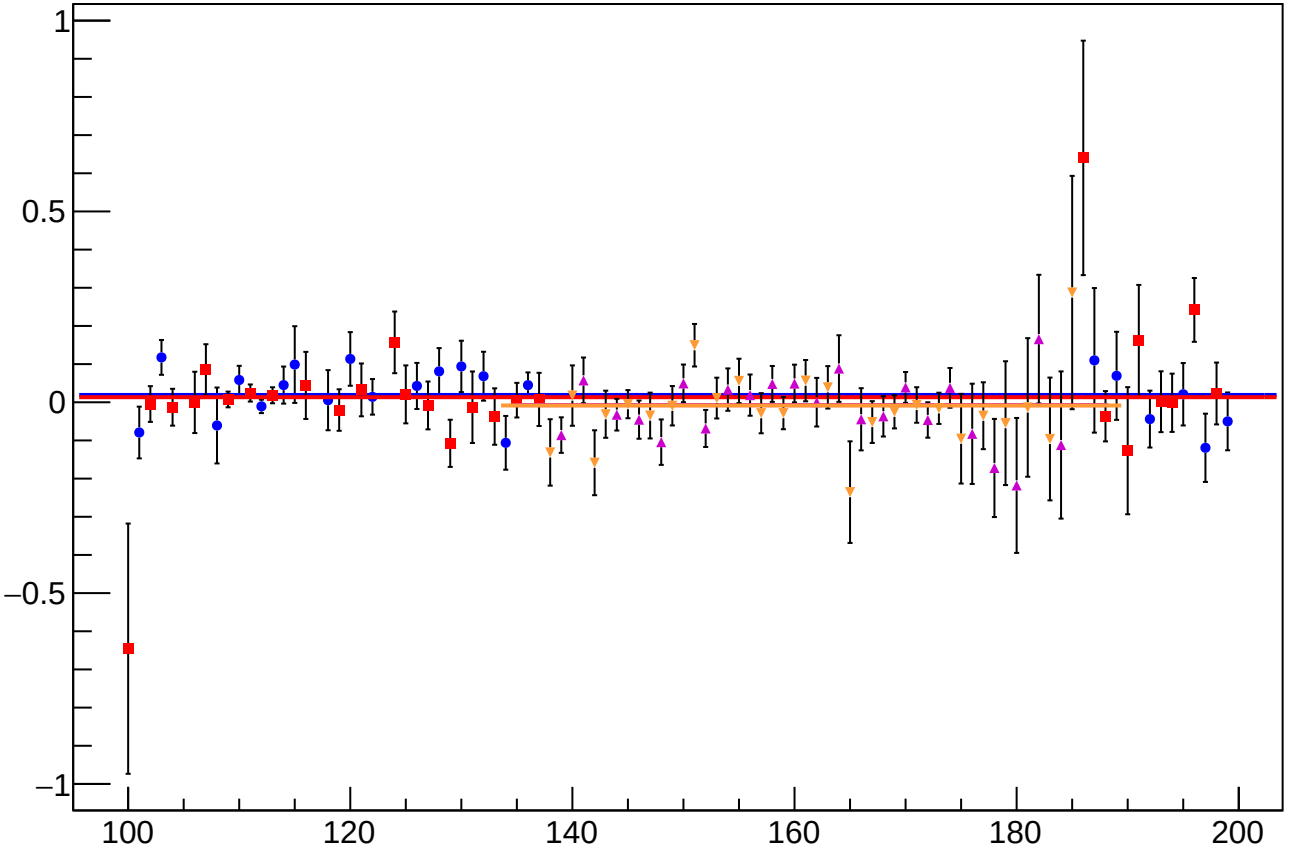
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7340764.4/46

All: 0.000+/-0.000 χ^2/NDF: 14337894.3/96

- sign 0.000+/-0.000 χ^2/NDF: 6980420.2/49

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.011 χ^2/NDF: 25.2/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/26

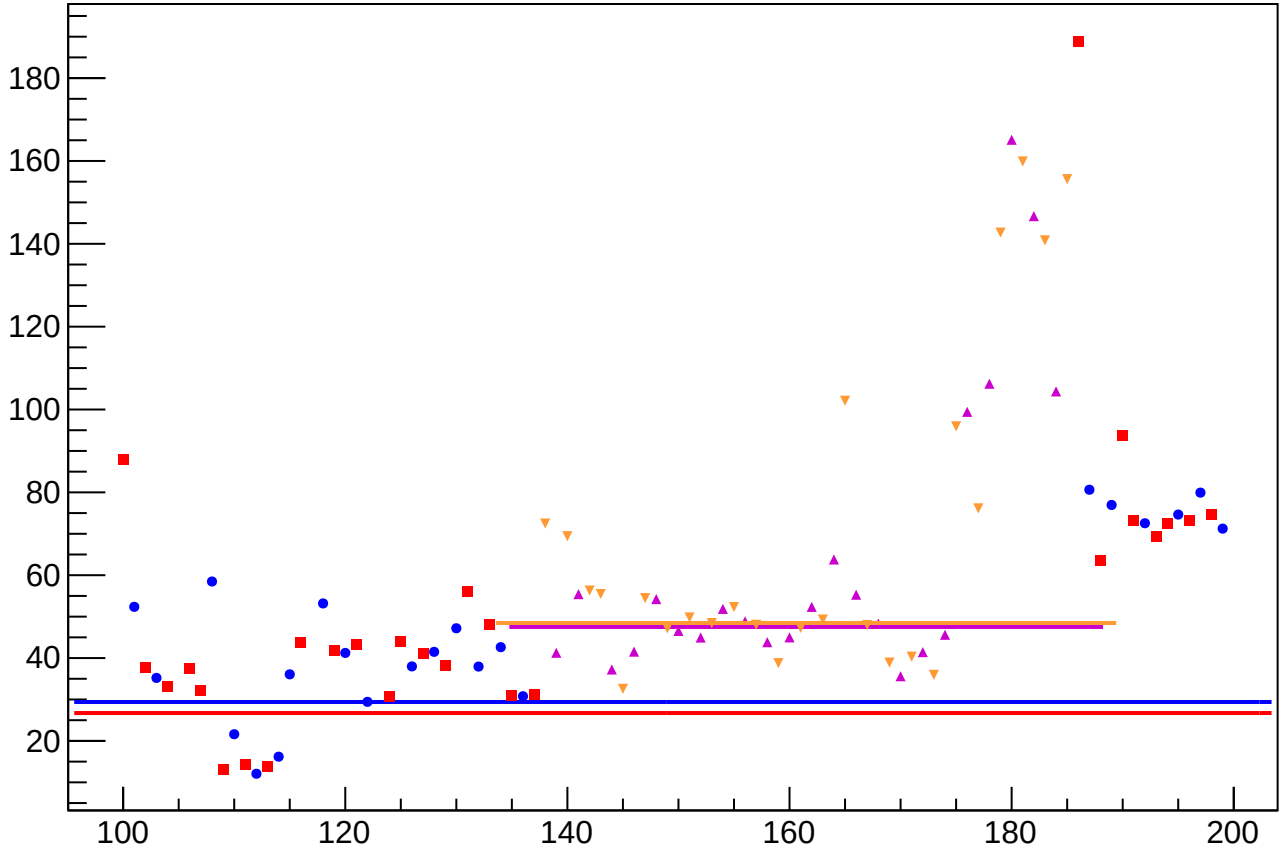
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.007+/-0.008 χ^2/NDF: 51.4/46

All: 0.006+/-0.005 χ^2/NDF: 104.8/96

- sign 0.005+/-0.007 χ^2/NDF: 53.4/49

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.397+/-0.007 χ^2/NDF: 6213722.4/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

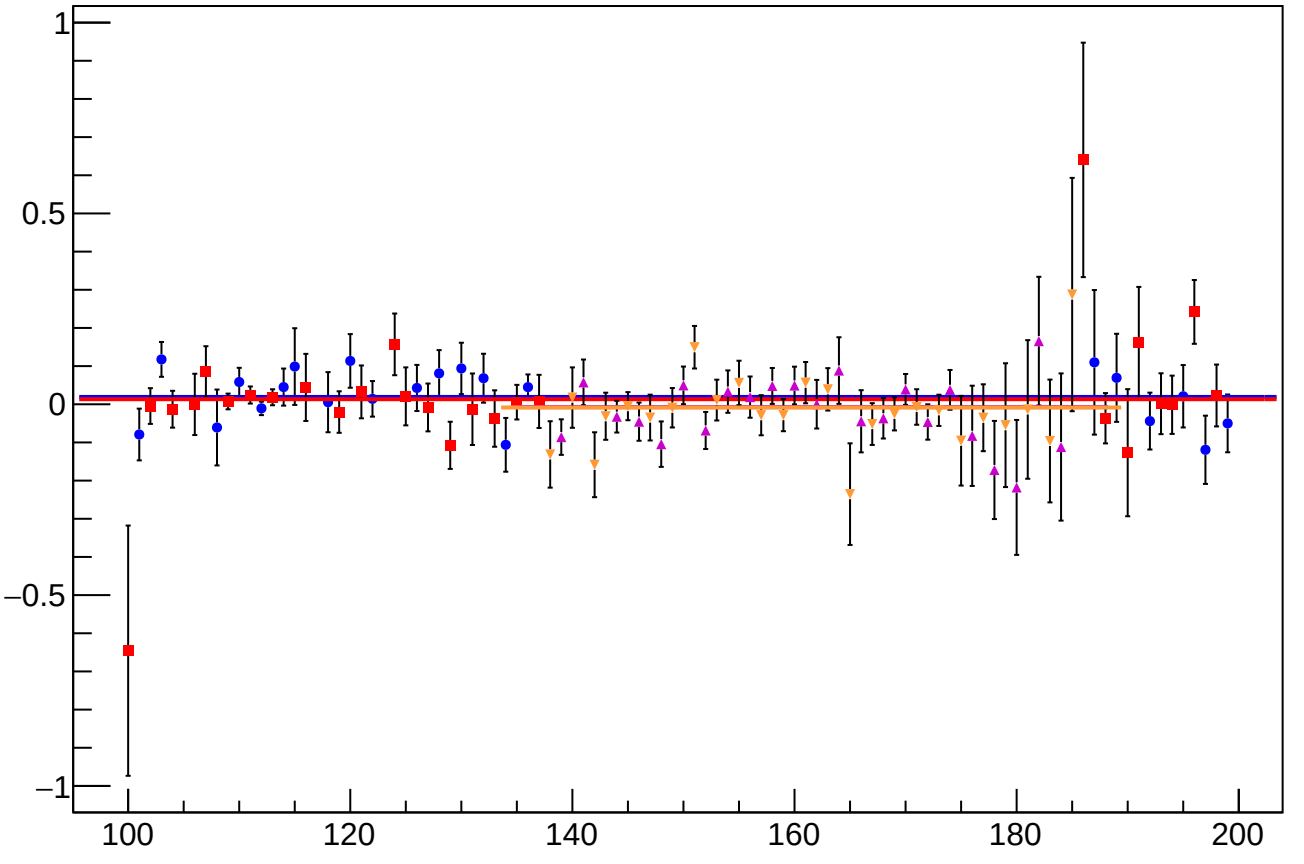
Right Out: 26.733+/-0.007 χ^2/NDF: 7817558.5/26

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.754+/-0.006 χ^2/NDF: 13423347.0/46

All: 36.059+/-0.004 χ^2/NDF: 28192425.0/96

- sign 34.589+/-0.005 χ^2/NDF: 14599186.5/49



Right In: 0.019+/-0.011 χ^2/NDF: 25.2/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

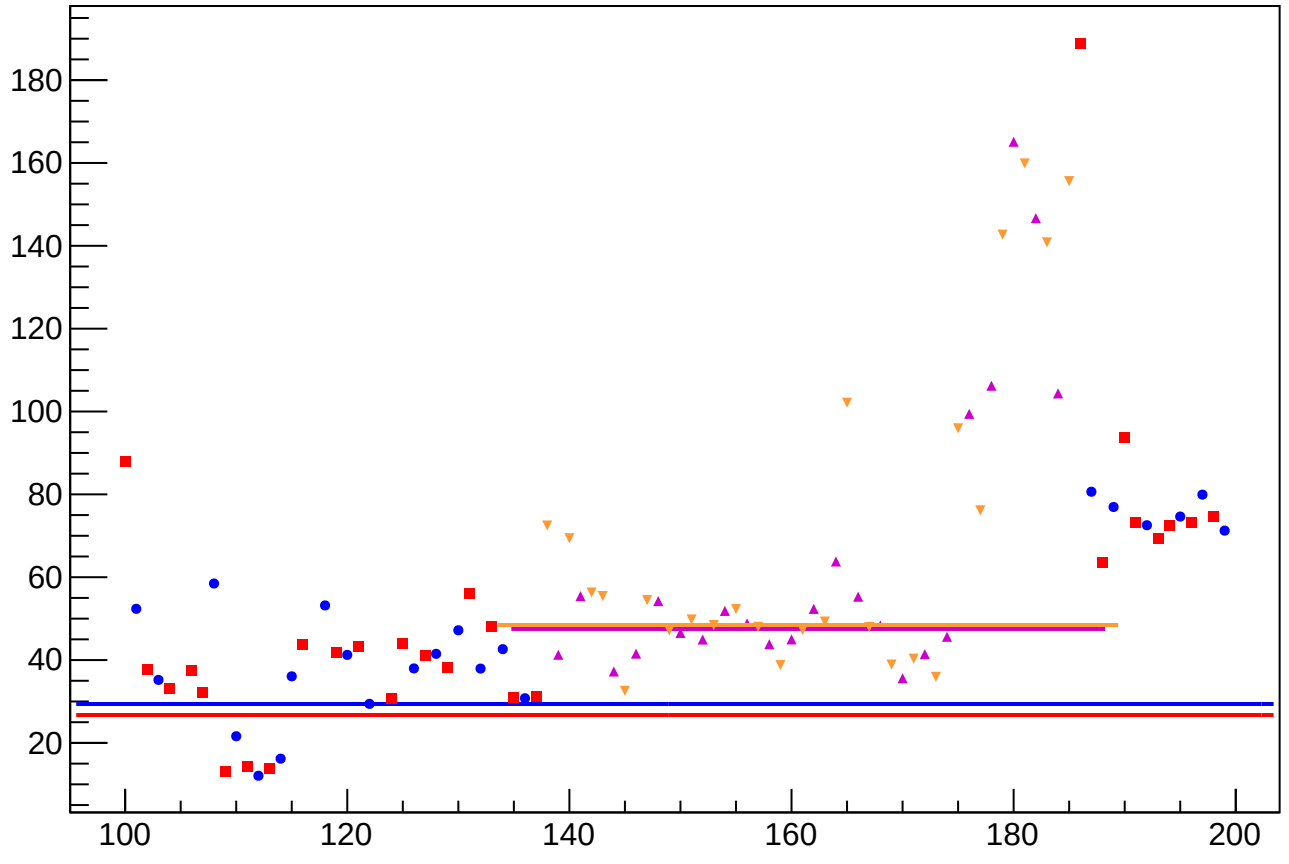
Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.007+/-0.008 χ^2/NDF: 51.4/46

All: 0.006+/-0.005 χ^2/NDF: 104.8/96

- sign 0.005+/-0.007 χ^2/NDF: 53.4/49



Right In: 29.397+/-0.007 χ^2/NDF: 6213722.4/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

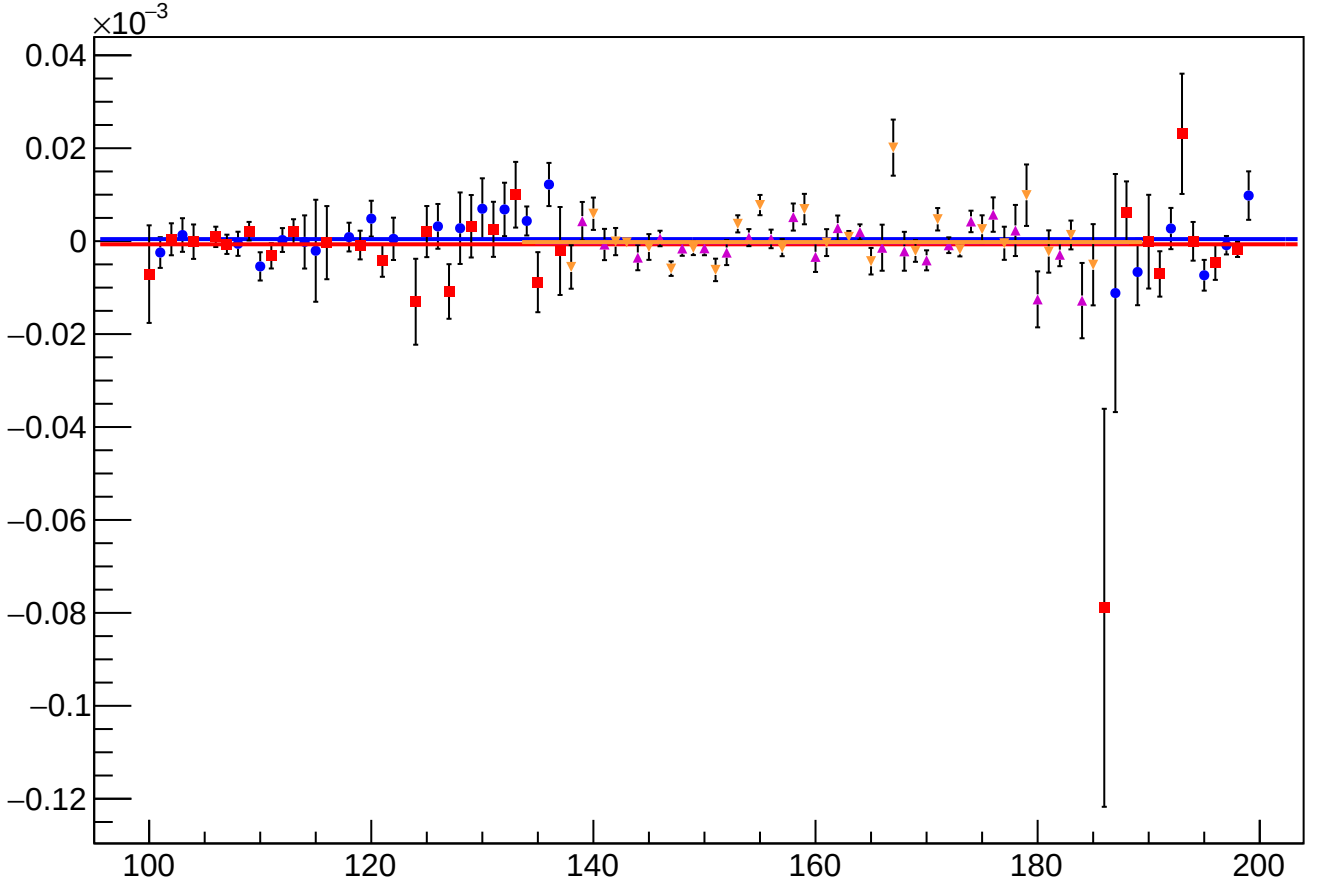
Right Out: 26.733+/-0.007 χ^2/NDF: 7817558.5/26

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.754+/-0.006 χ^2/NDF: 13423347.0/46

All: 36.059+/-0.004 χ^2/NDF: 28192425.0/96

- sign 34.589+/-0.005 χ^2/NDF: 14599186.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

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

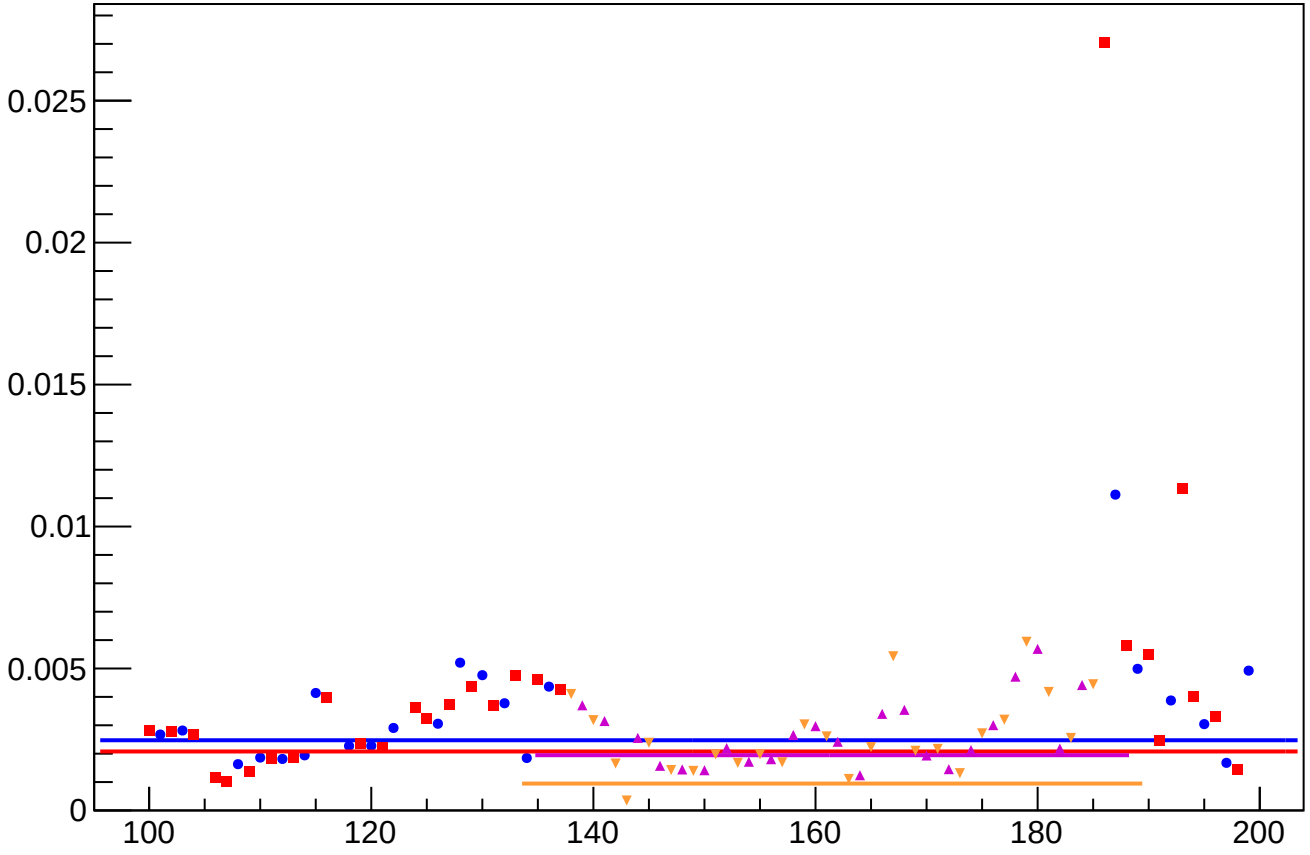
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 99.6/46

All: -0.000+/-0.000 χ^2/NDF: 157.6/96

- sign -0.000+/-0.000 χ^2/NDF: 57.6/49

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3078630.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6341598.0/26

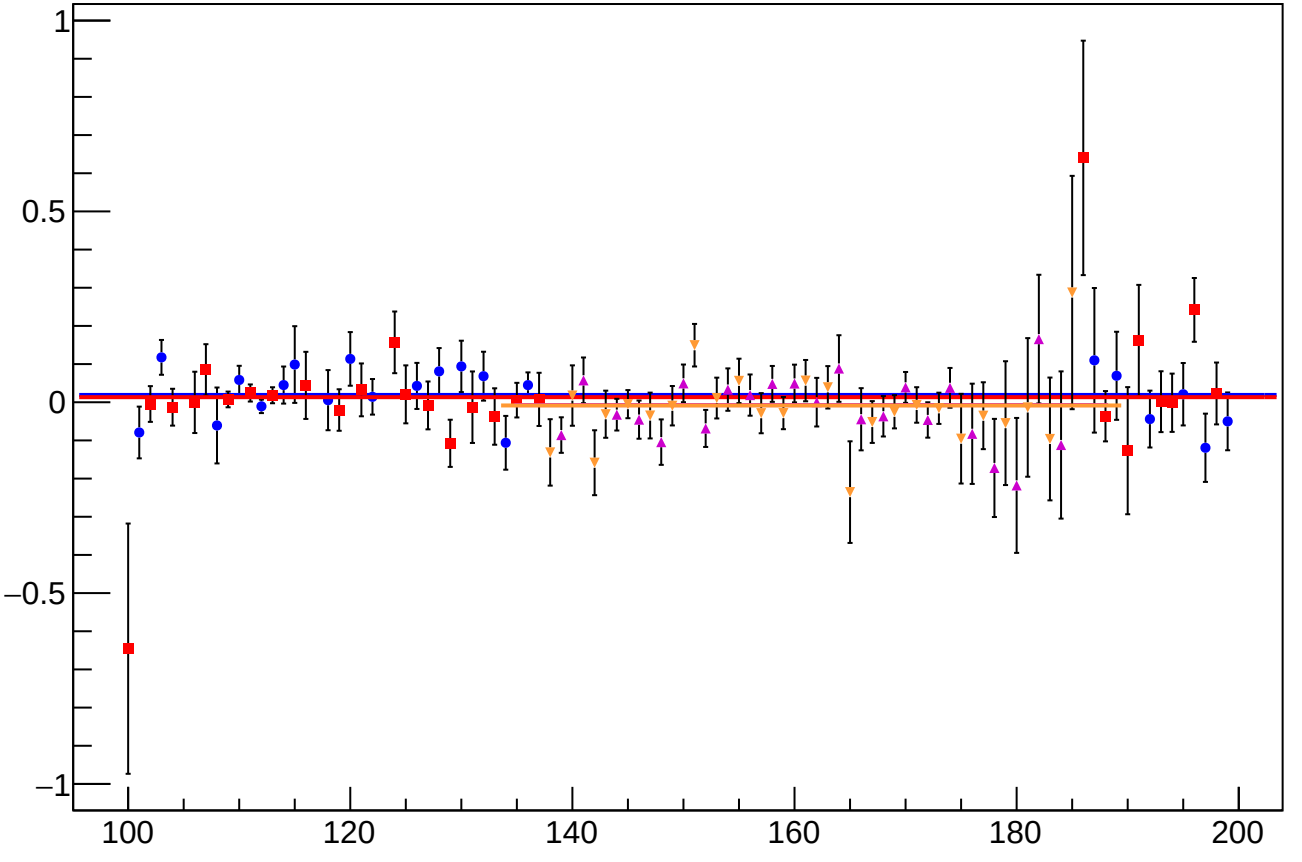
Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 27015020.6/46

All: 0.001+/-0.000 χ^2/NDF: 43821285.7/96

- sign 0.002+/-0.000 χ^2/NDF: 10751930.4/49

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.011 χ^2/NDF: 25.3/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

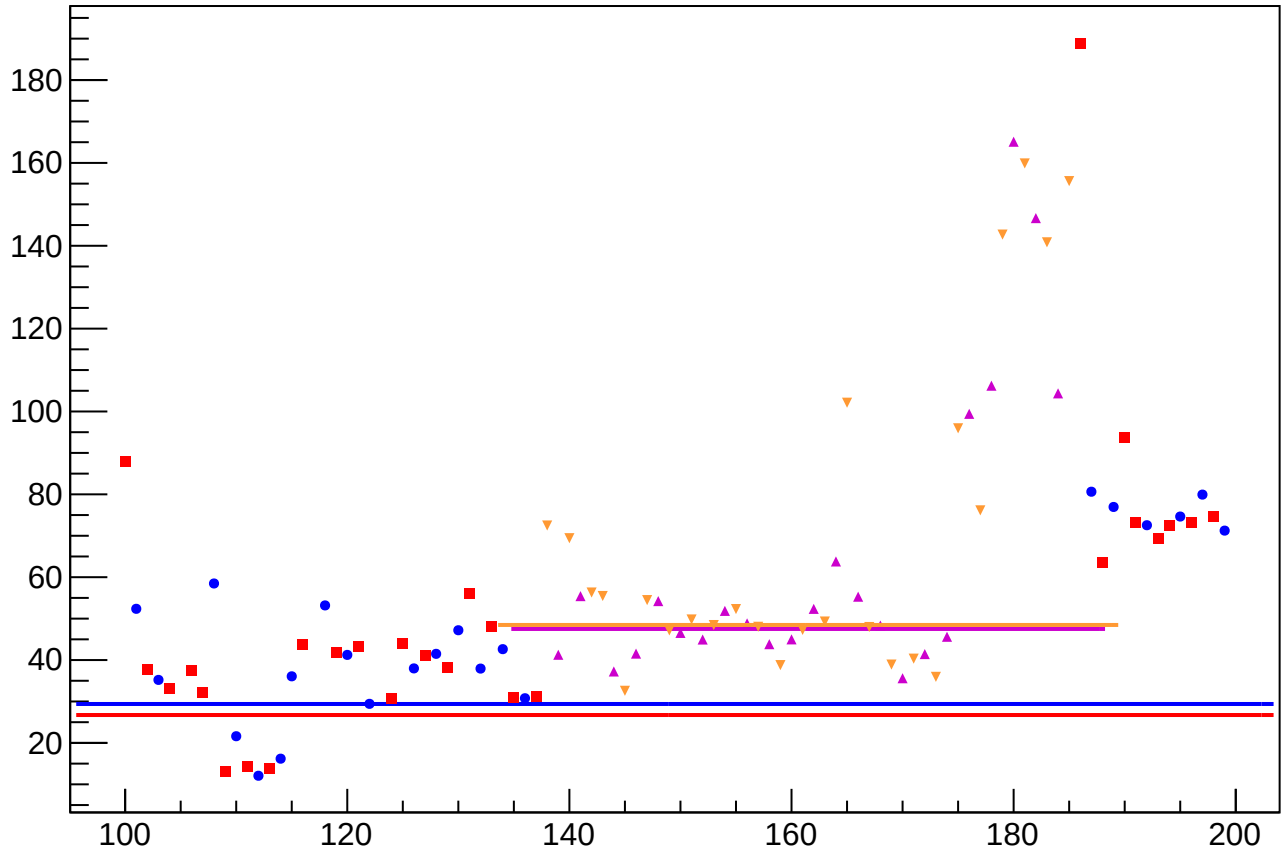
Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.007+/-0.008 χ^2/NDF: 51.4/46

All: 0.006+/-0.005 χ^2/NDF: 104.8/96

- sign 0.005+/-0.007 χ^2/NDF: 53.4/49



Right In: 29.395+/-0.007 χ^2/NDF: 6214299.8/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

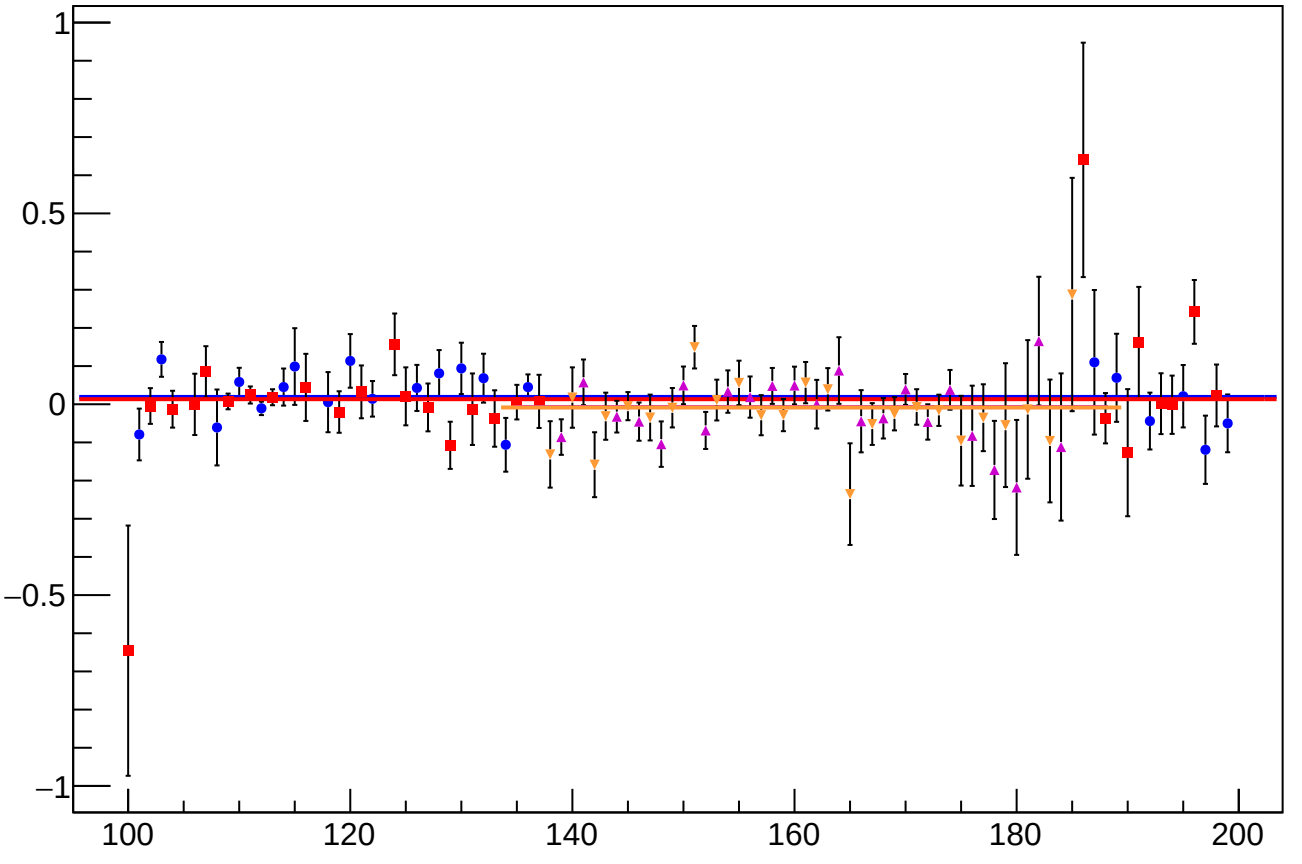
Right Out: 26.732+/-0.007 χ^2/NDF: 7817755.3/26

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 37.753+/-0.006 χ^2/NDF: 13424448.0/46

All: 36.058+/-0.004 χ^2/NDF: 28193814.6/96

- sign 34.589+/-0.005 χ^2/NDF: 14599554.4/49



Right In: 0.019+/-0.011 χ^2/NDF: 25.3/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

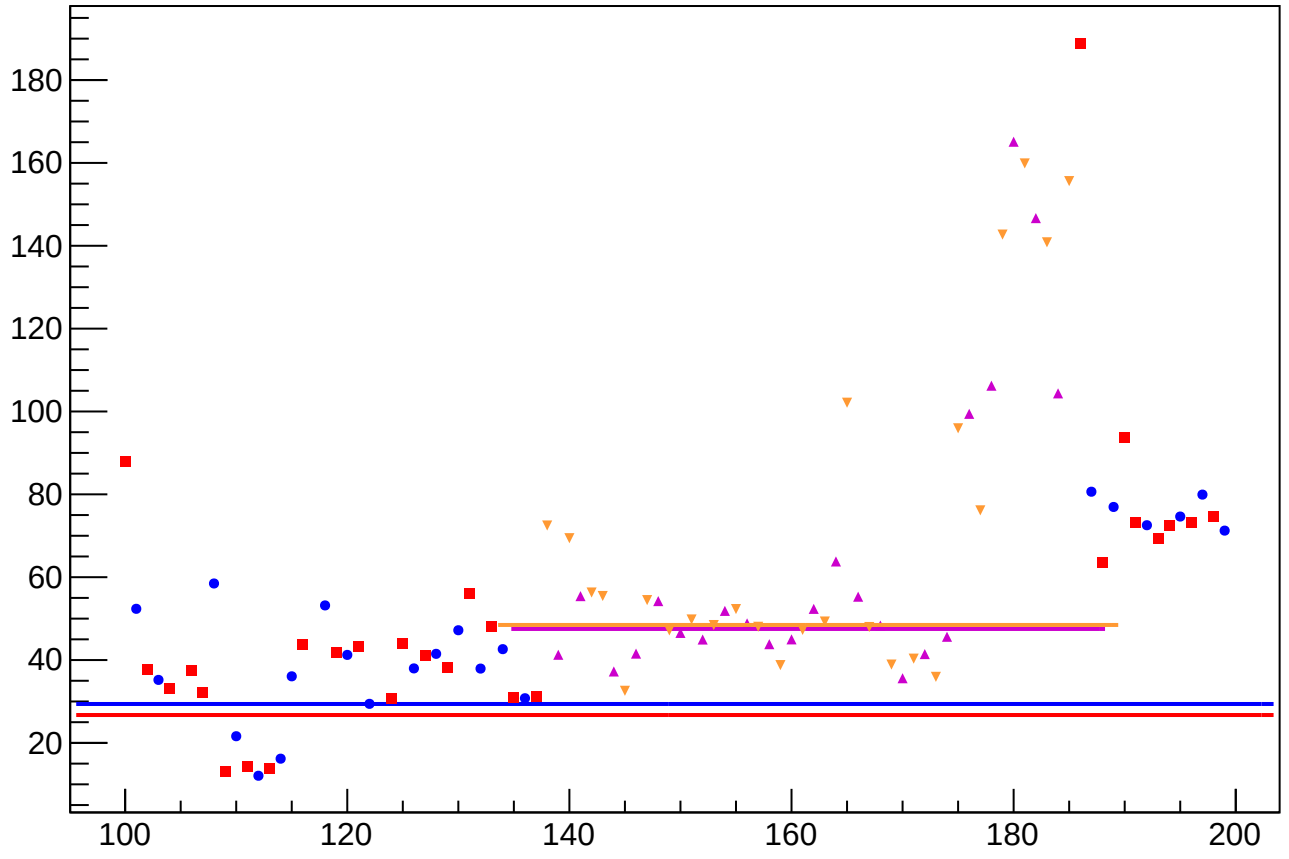
Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.007+/-0.008 χ^2/NDF: 51.4/46

All: 0.006+/-0.005 χ^2/NDF: 104.8/96

- sign 0.005+/-0.007 χ^2/NDF: 53.4/49



Right In: 29.395+/-0.007 χ^2/NDF: 6214299.8/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

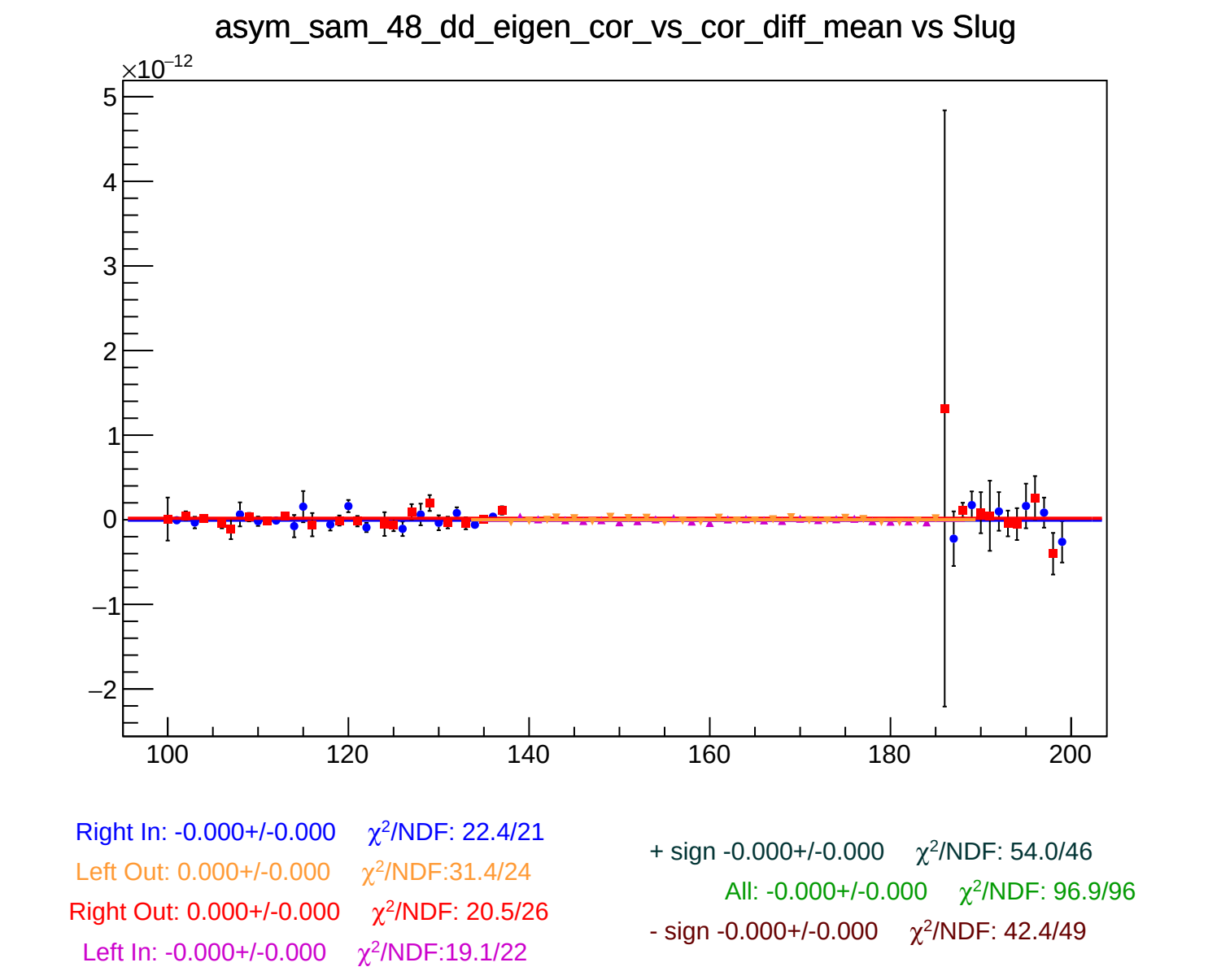
Right Out: 26.732+/-0.007 χ^2/NDF: 7817755.3/26

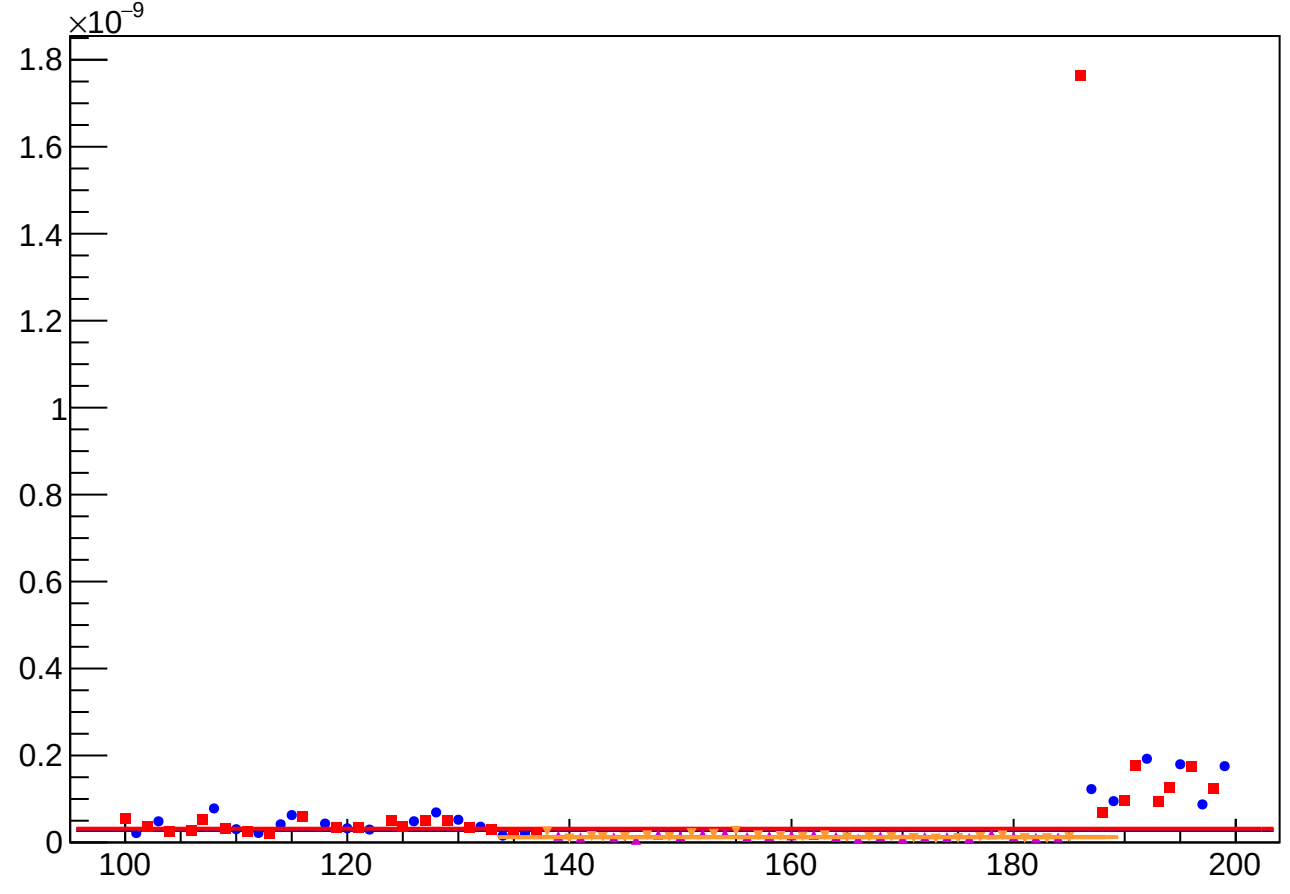
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

\+ sign 37.753+/-0.006 χ^2/NDF: 13424448.0/46

All: 36.058+/-0.004 χ^2/NDF: 28193814.6/96

\- 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: 22.4/21
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: 54.0/46
All: -0.000+/-0.000 χ²/NDF: 96.9/96
- sign -0.000+/-0.000 χ²/NDF: 42.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 4882191.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3972579.4/26

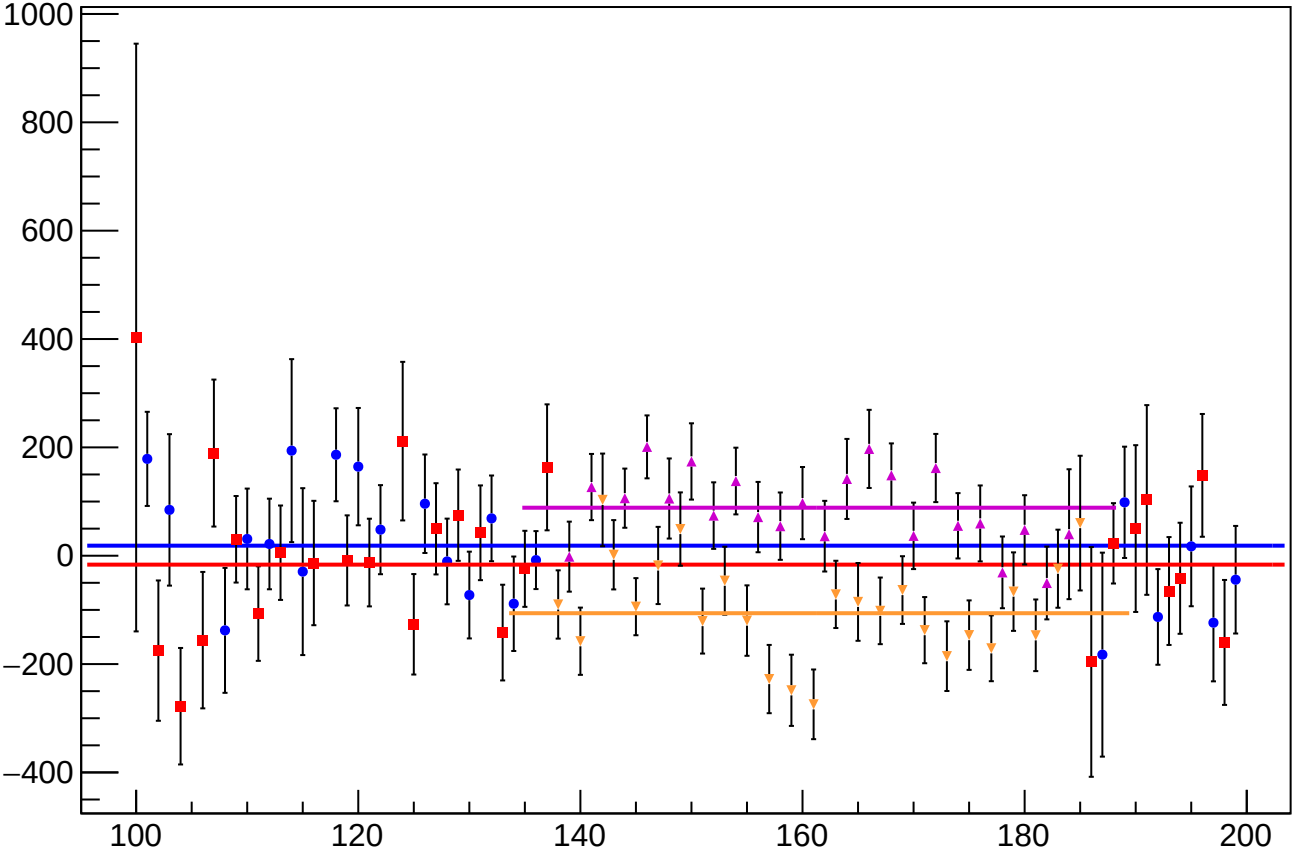
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9947334.0/46

All: 0.000+/-0.000 χ^2/NDF: 19978777.0/96

- sign 0.000+/-0.000 χ^2/NDF: 10029233.1/49

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 18.564+/-19.760 χ^2/NDF: 22.8/21

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -16.446+/-19.358 χ^2/NDF: 29.1/26

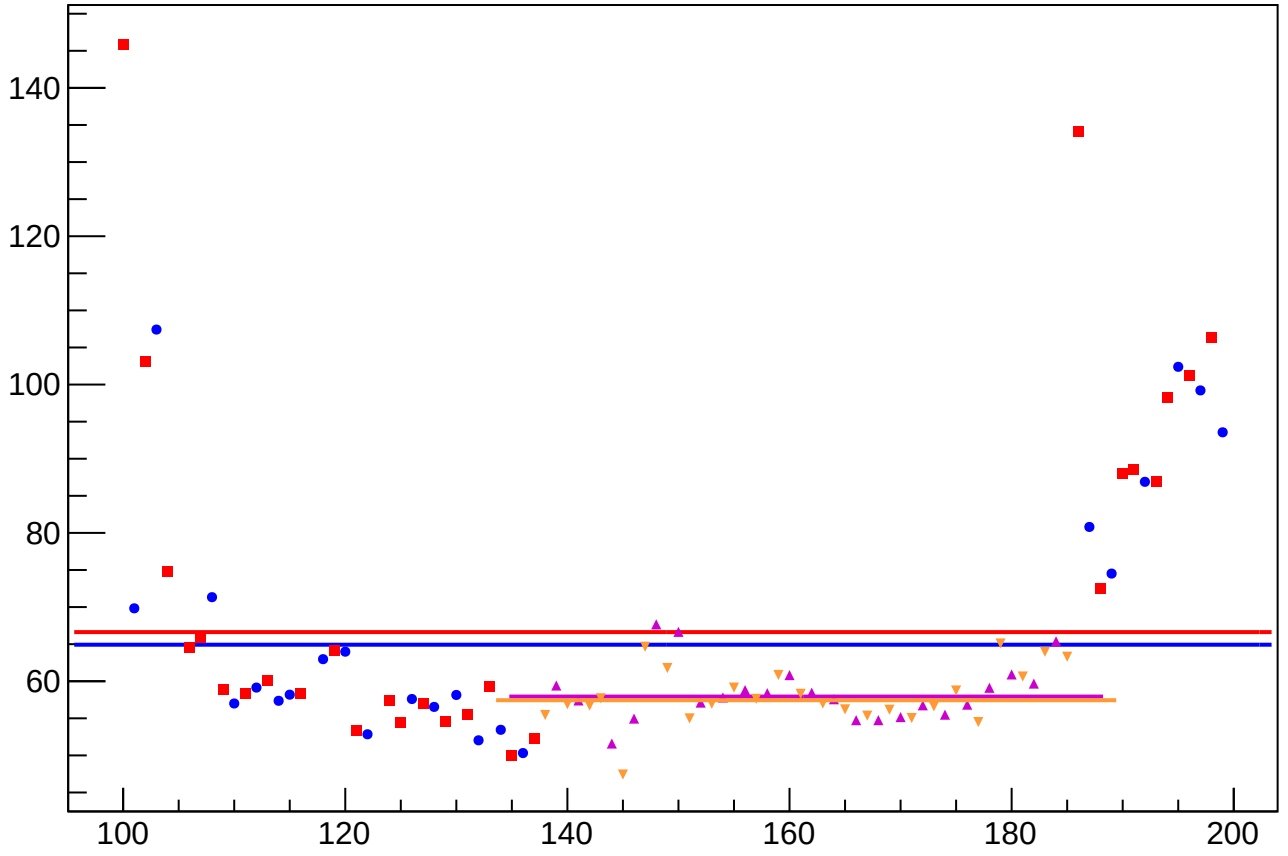
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -68.083+/-10.912 χ^2/NDF: 91.2/46

All: -8.128+/-7.785 χ^2/NDF: 225.4/96

- sign 54.014+/-11.110 χ^2/NDF: 72.8/49

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.925+/-0.014 χ^2/NDF: 1312214.2/21

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

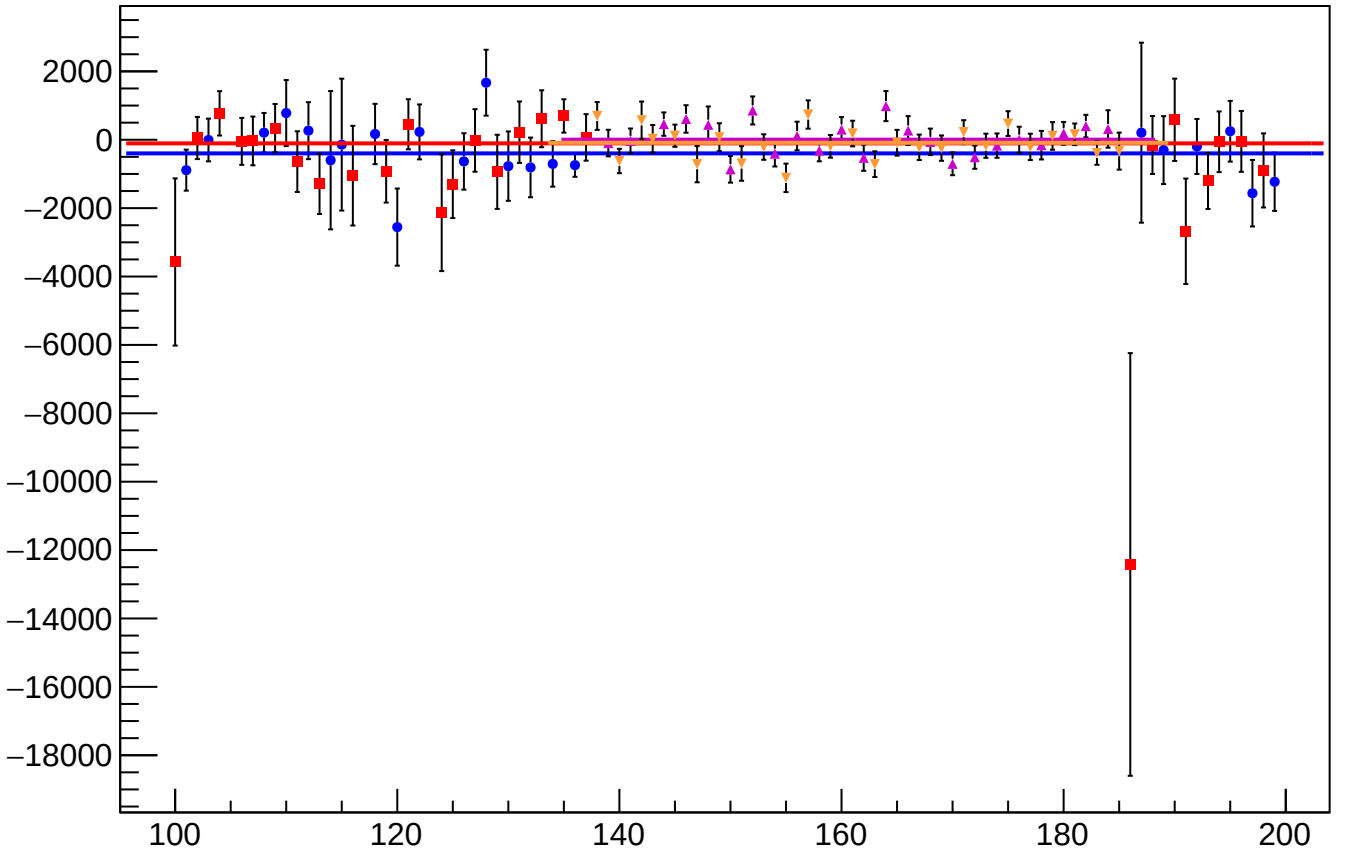
Right Out: 66.625+/-0.014 χ^2/NDF: 1609106.4/26

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 59.723+/-0.008 χ^2/NDF: 1686216.1/46

All: 60.250+/-0.006 χ^2/NDF: 3711143.3/96

- sign 60.796+/-0.008 χ^2/NDF: 2015435.0/49



Right In: -398.741+/-164.236 χ^2/NDF: 18.3/21

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -105.873+/-163.875 χ^2/NDF: 24.8/26

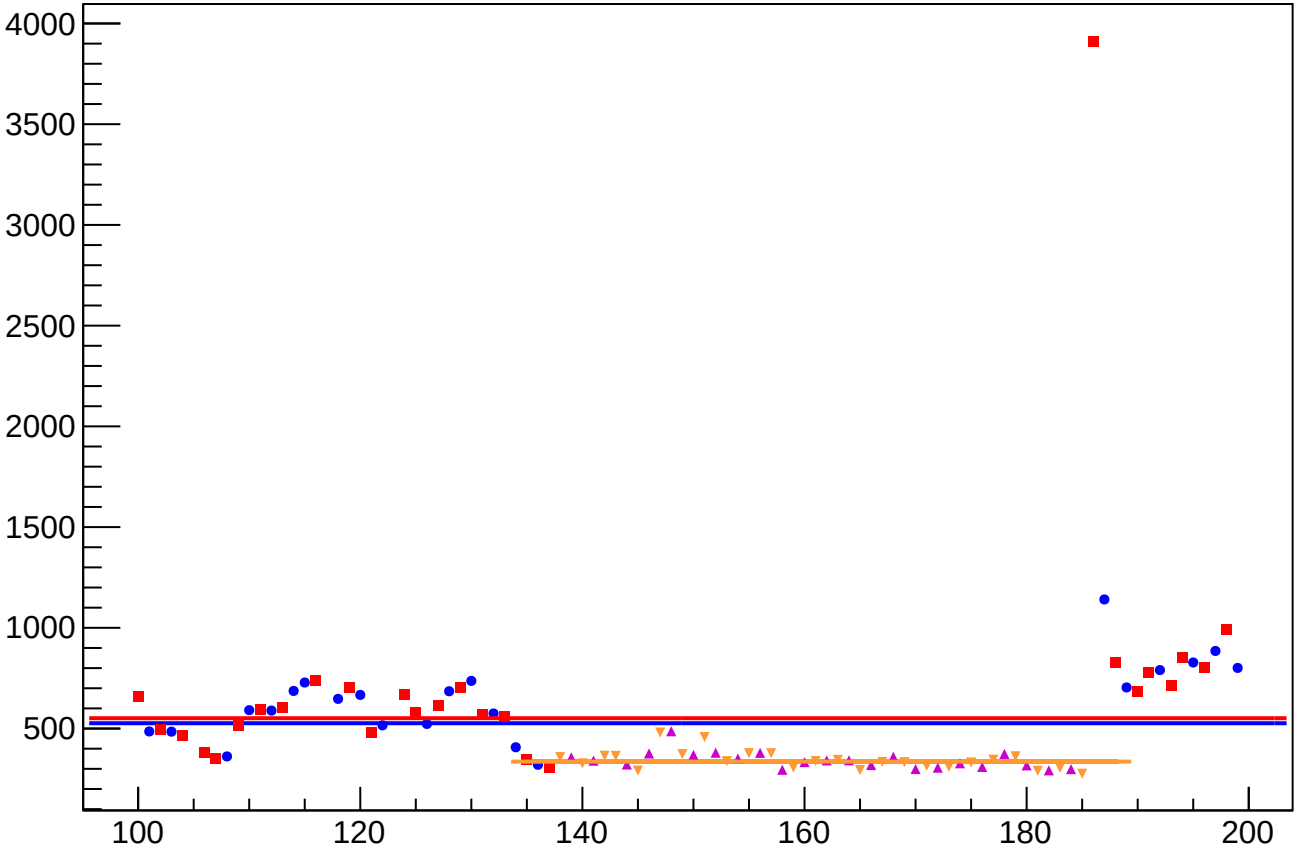
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -144.876+/-69.726 χ^2/NDF: 51.1/46

All: -82.649+/-49.852 χ^2/NDF: 111.5/96

- sign -17.575+/-71.304 χ^2/NDF: 58.8/49

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 526.387+/-0.116 χ^2/NDF: 2345931.5/21

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 551.284+/-0.116 χ^2/NDF: 2804614.2/26

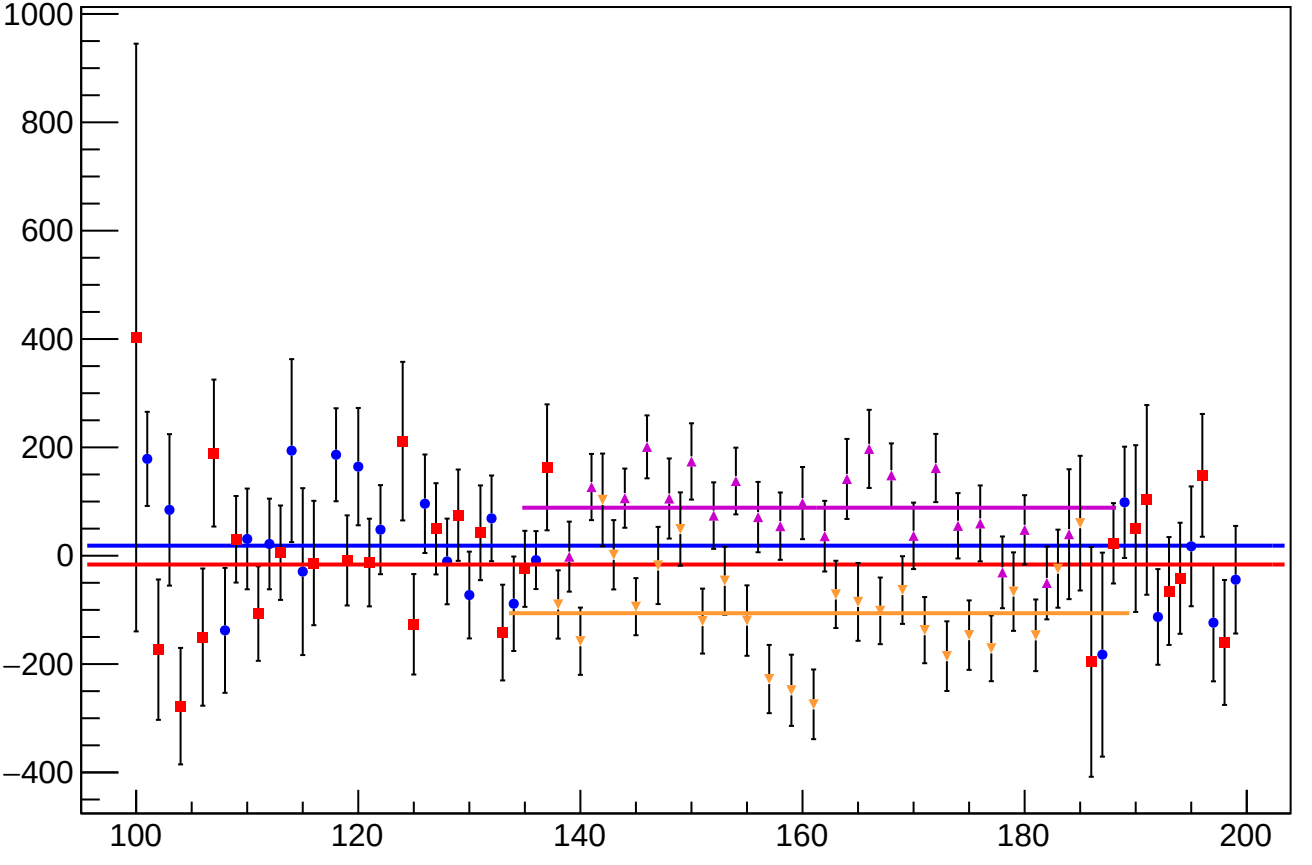
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 370.229+/-0.049 χ^2/NDF: 5085402.1/46

All: 373.556+/-0.035 χ^2/NDF: 11102804.9/96

- sign 377.036+/-0.050 χ^2/NDF: 6008085.7/49

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 18.562+/-19.760 χ^2/NDF: 22.8/21

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -16.233+/-19.361 χ^2/NDF: 29.0/26

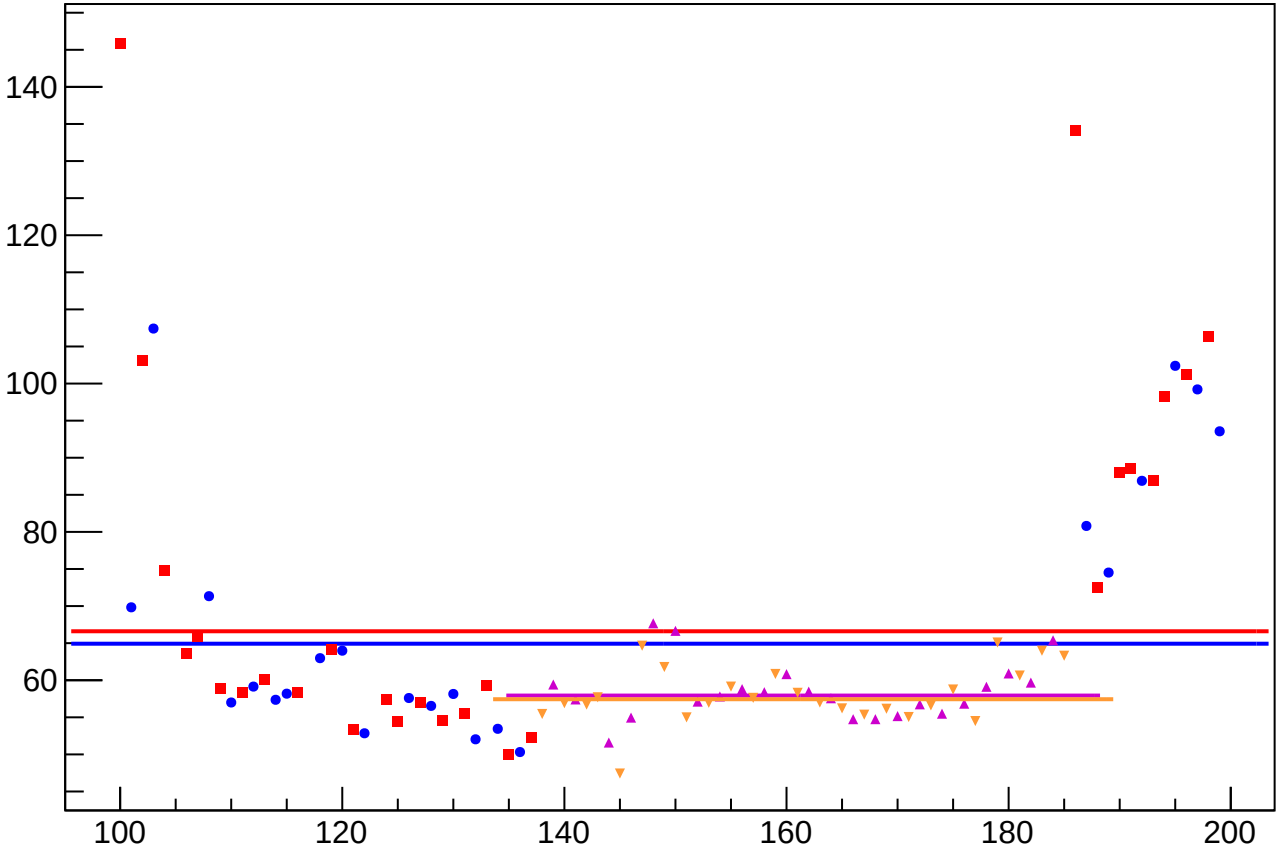
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -68.083+/-10.912 χ^2/NDF: 91.2/46

All: -8.093+/-7.785 χ^2/NDF: 225.3/96

- sign 54.092+/-11.110 χ^2/NDF: 72.6/49

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 64.925+/-0.014 χ^2/NDF: 1312216.2/21

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

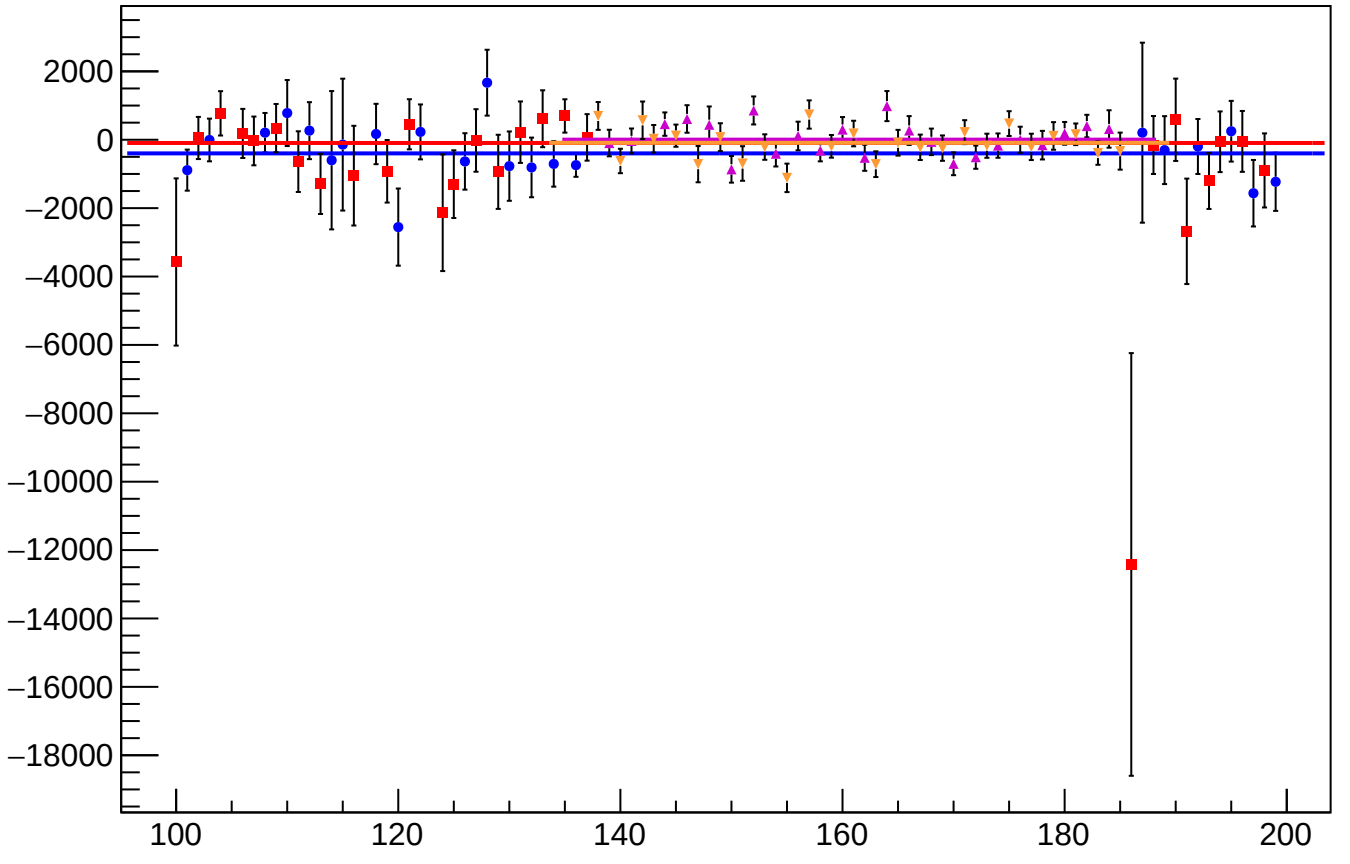
Right Out: 66.602+/-0.014 χ^2/NDF: 1609935.5/26

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 59.723+/-0.008 χ^2/NDF: 1686218.1/46

All: 60.246+/-0.006 χ^2/NDF: 3710398.9/96

- sign 60.788+/-0.008 χ^2/NDF: 2014827.9/49



Right In: -398.712+/-164.237 χ^2/NDF: 18.3/21

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -93.985+/-164.280 χ^2/NDF: 25.0/26

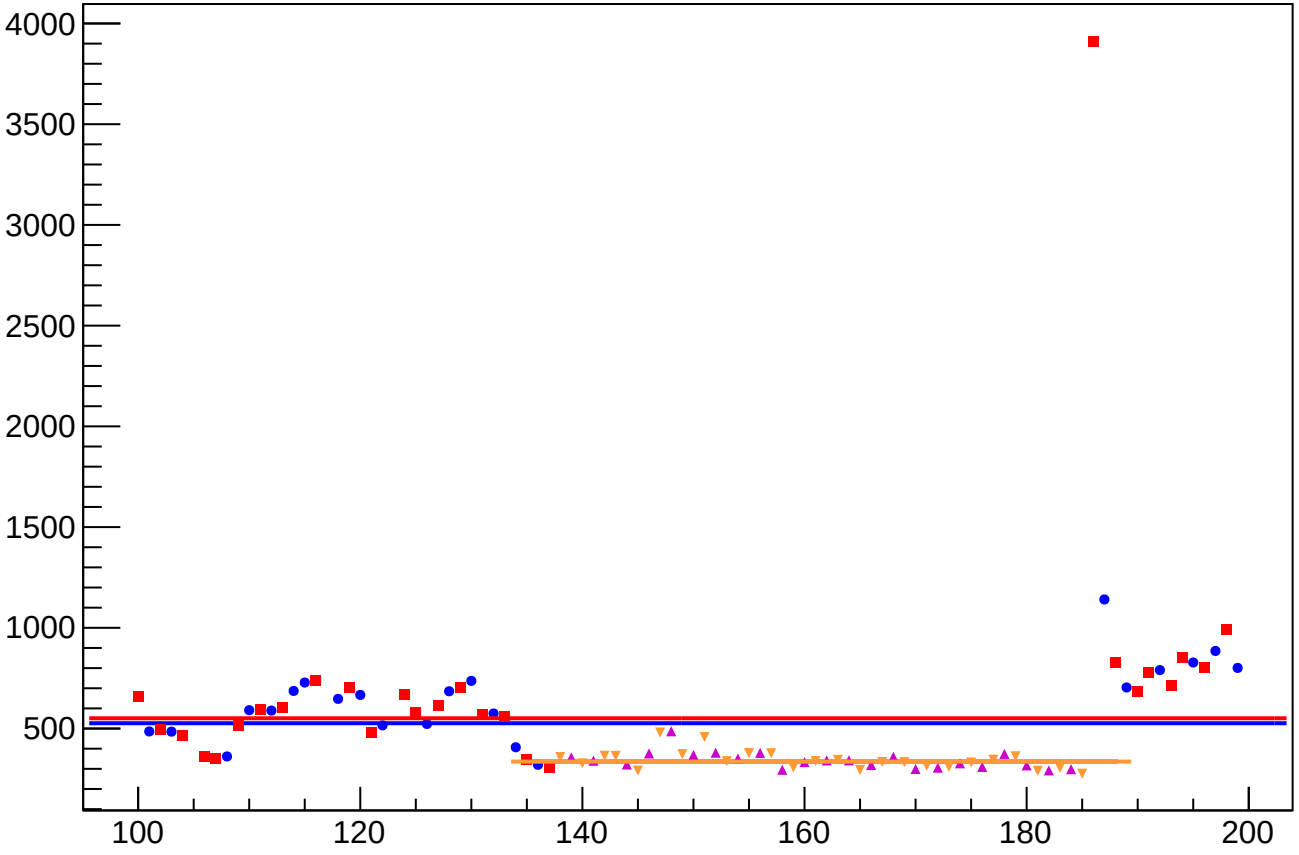
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -144.872+/-69.726 χ^2/NDF: 51.1/46

All: -81.541+/-49.864 χ^2/NDF: 111.7/96

- sign -15.249+/-71.337 χ^2/NDF: 58.9/49

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 526.389+/-0.116 χ^2/NDF: 2345911.9/21

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 551.046+/-0.116 χ^2/NDF: 2823290.0/26

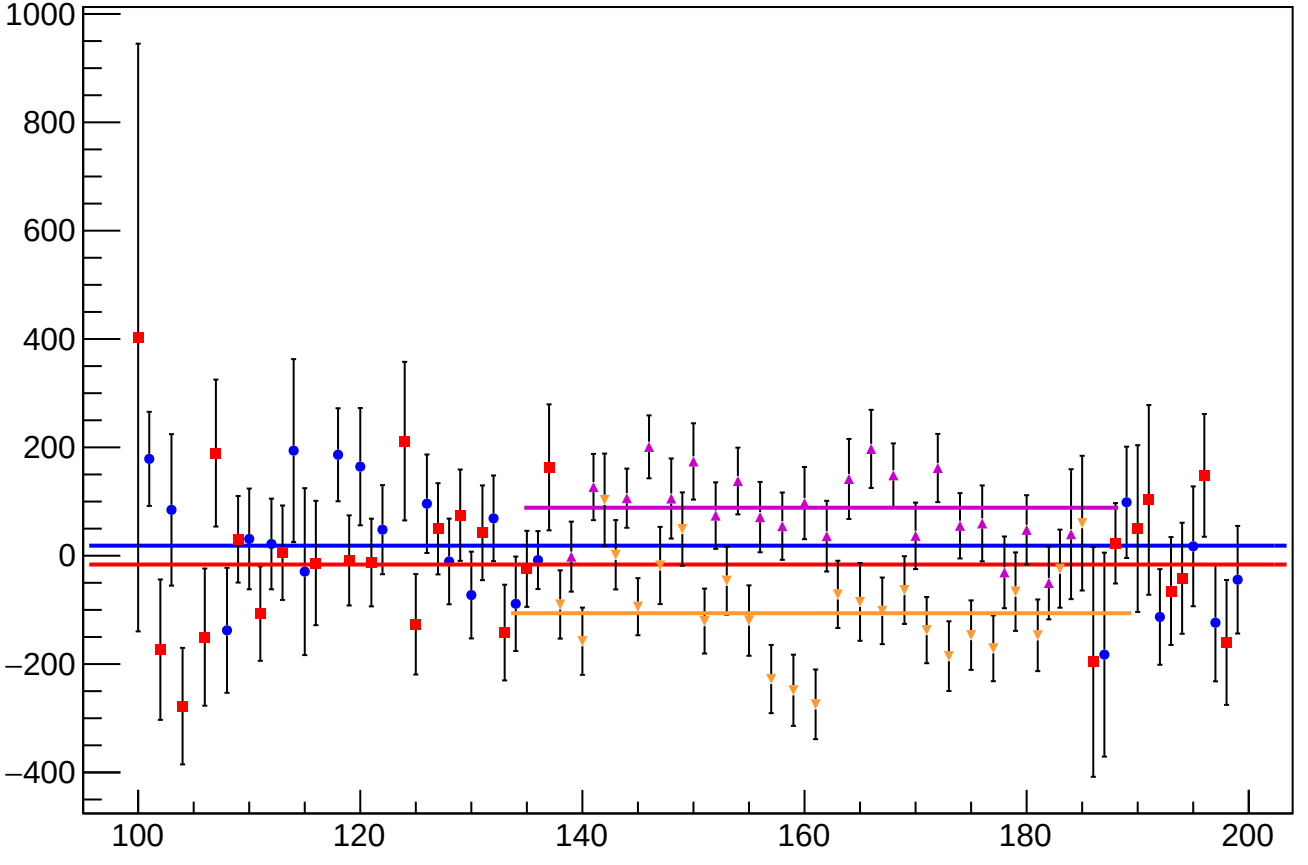
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 370.229+/-0.049 χ^2/NDF: 5085428.4/46

All: 373.453+/-0.035 χ^2/NDF: 11103643.7/96

- sign 376.828+/-0.050 χ^2/NDF: 6009462.6/49

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 18.562+/-19.760 χ^2/NDF: 22.8/21

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

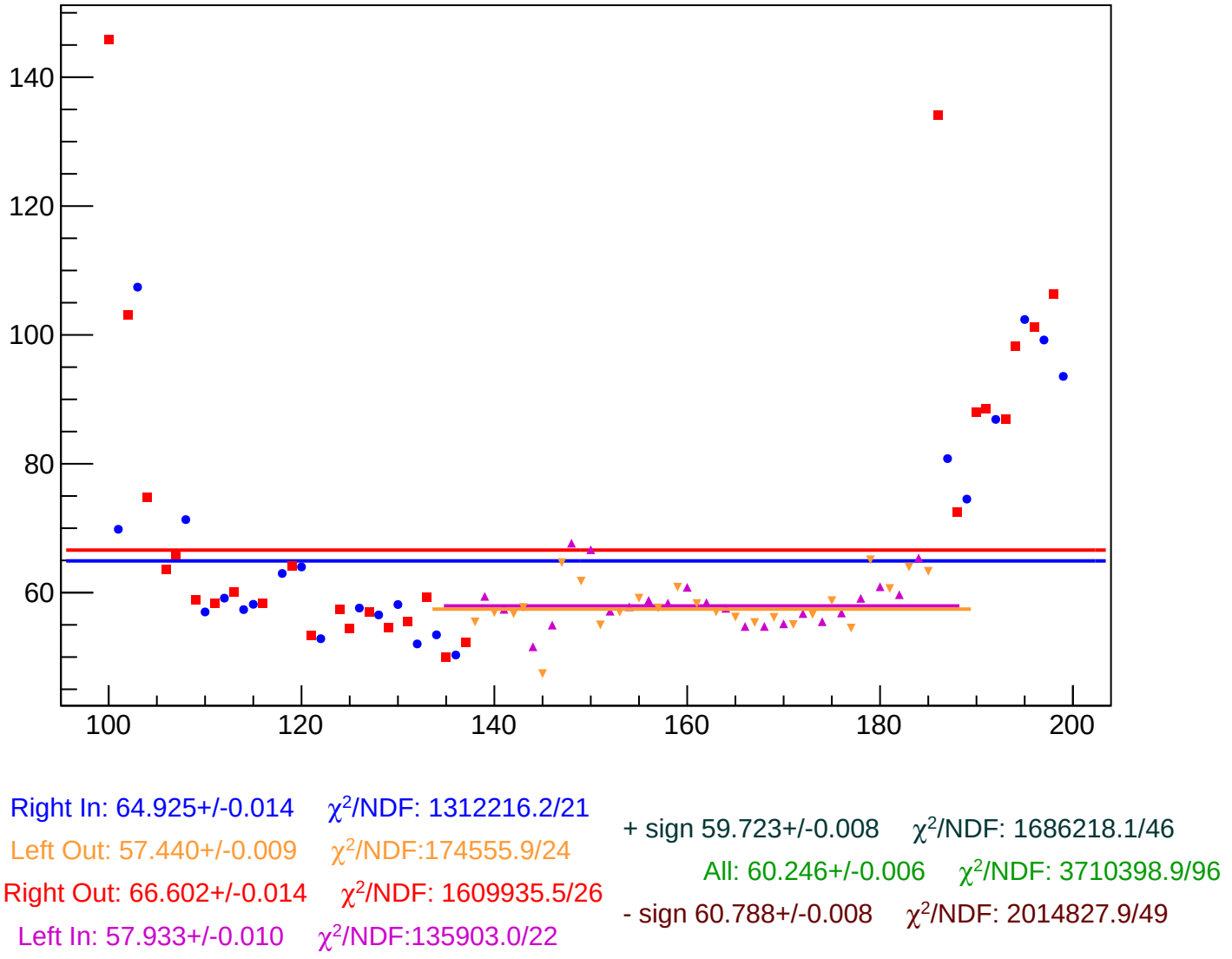
Right Out: -16.233+/-19.361 χ^2/NDF: 29.0/26

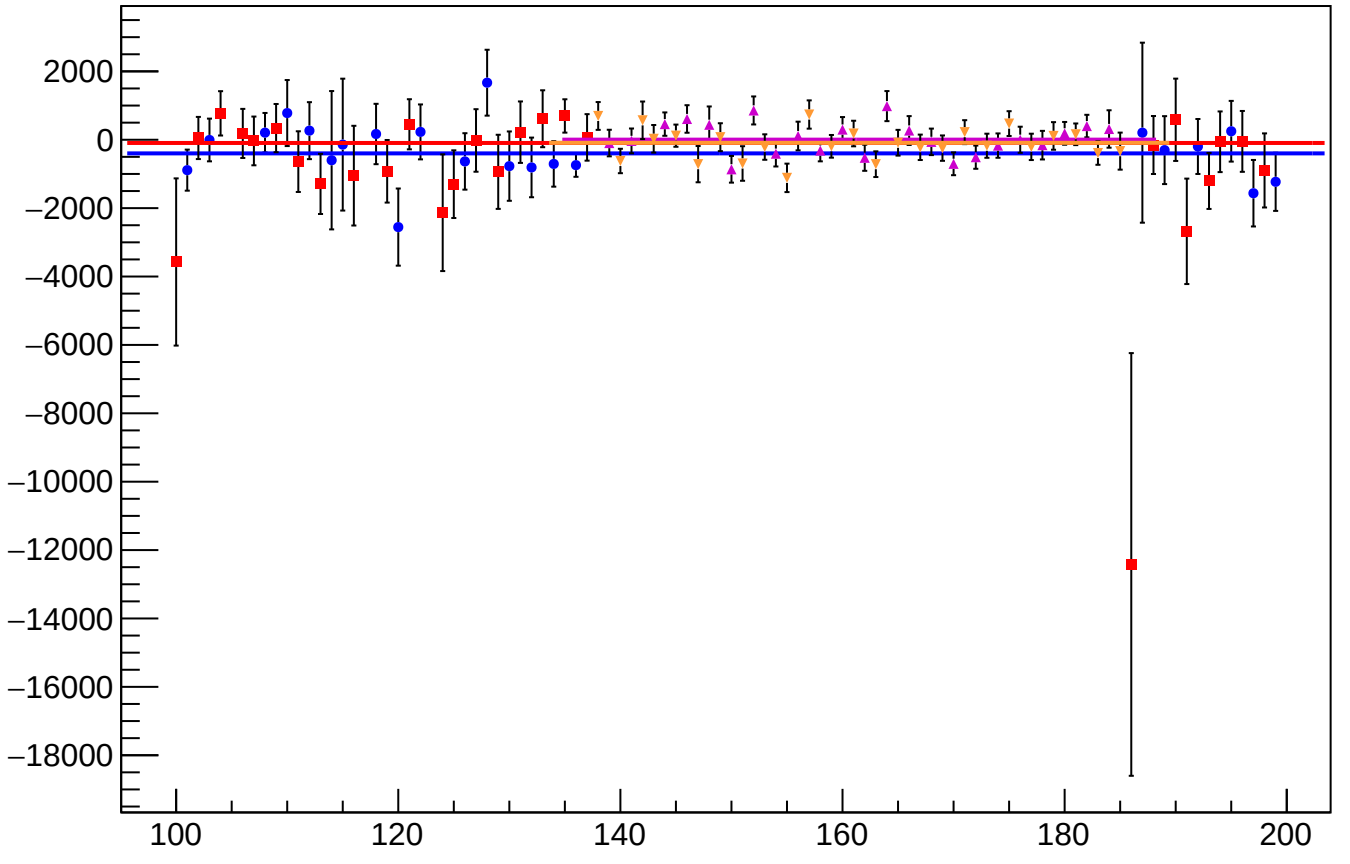
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -68.083+/-10.912 χ^2/NDF: 91.2/46

All: -8.093+/-7.785 χ^2/NDF: 225.3/96

- sign 54.092+/-11.110 χ^2/NDF: 72.6/49


eigen_cor_asym_sam_13_57_dd_rms vs Slug
140
120
100
80
60
100
120
140
160
180
200
Right In: 64.925+/-0.014 χ²/NDF: 1312216.2/21
Left Out: 57.440+/-0.009 χ²/NDF:174555.9/24
Right Out: 66.602+/-0.014 χ²/NDF: 1609935.5/26
Left In: 57.933+/-0.010 χ²/NDF:135903.0/22
+ sign 59.723+/-0.008 χ²/NDF: 1686218.1/46
All: 60.246+/-0.006 χ²/NDF: 3710398.9/96
- sign 60.788+/-0.008 χ²/NDF: 2014827.9/49



Right In: -398.712+/-164.237 χ^2/NDF: 18.3/21

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

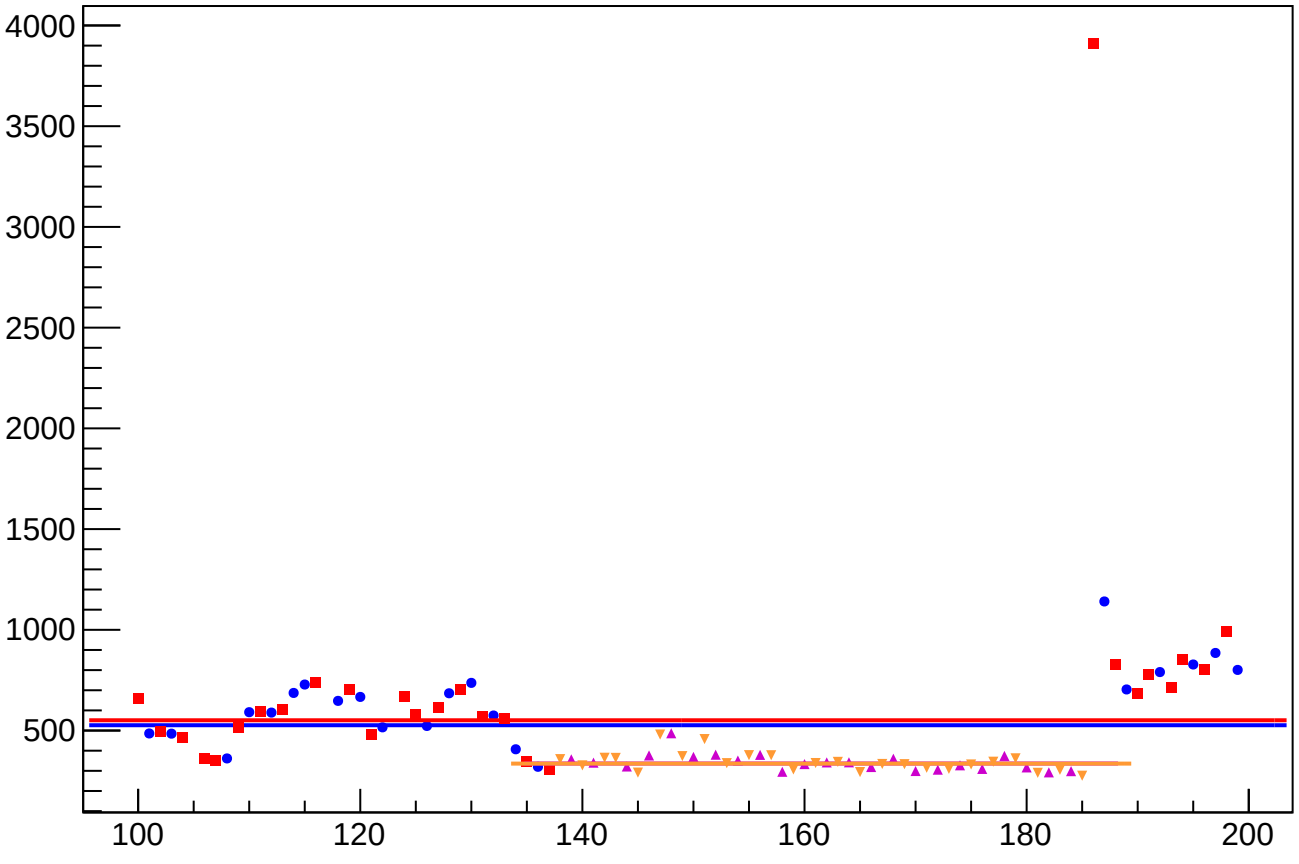
Right Out: -93.985+/-164.280 χ^2/NDF: 25.0/26

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -144.872+/-69.726 χ^2/NDF: 51.1/46

All: -81.541+/-49.864 χ^2/NDF: 111.7/96

- sign -15.249+/-71.337 χ^2/NDF: 58.9/49



Right In: 526.389+/-0.116 χ^2/NDF: 2345911.9/21

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 551.046+/-0.116 χ^2/NDF: 2823290.0/26

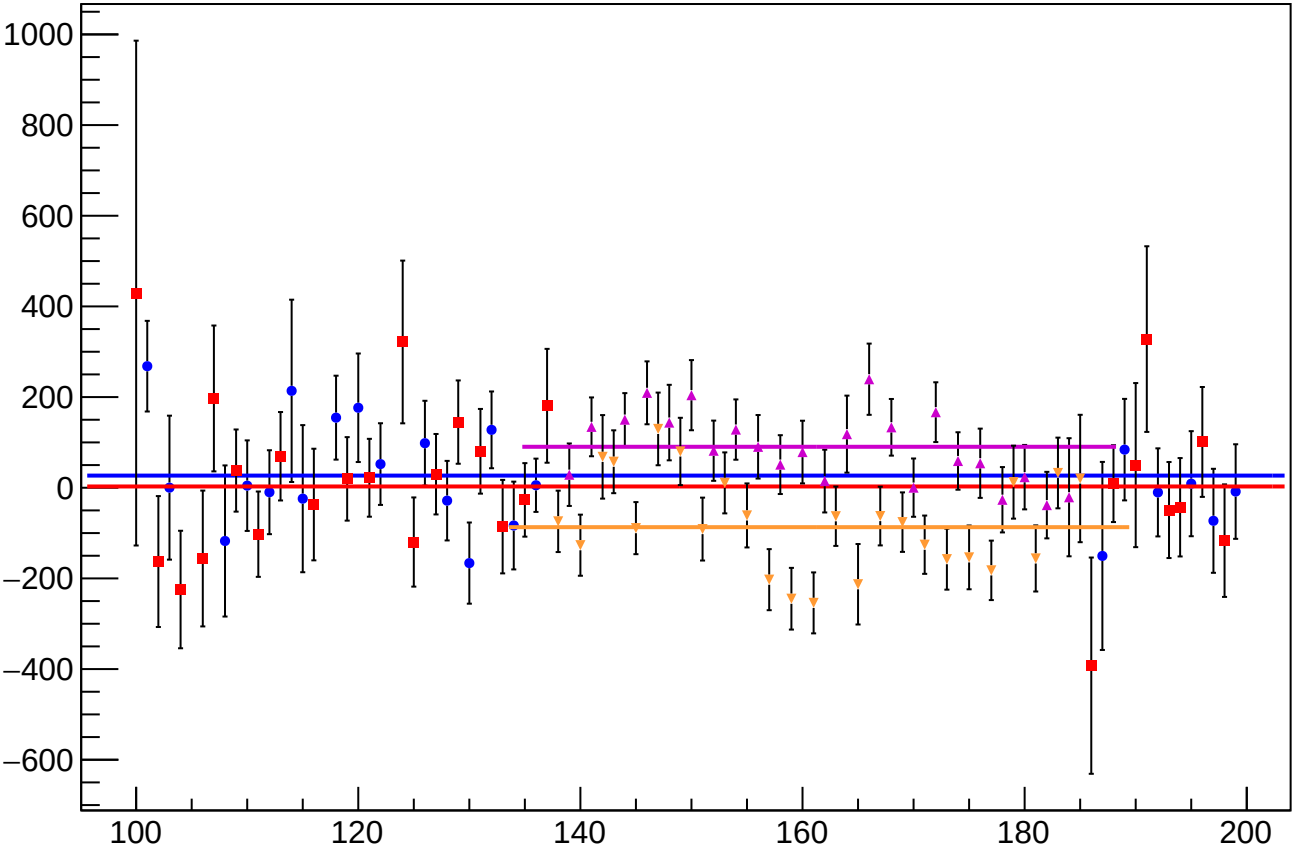
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 370.229+/-0.049 χ^2/NDF: 5085428.4/46

All: 373.453+/-0.035 χ^2/NDF: 11103643.7/96

- sign 376.828+/-0.050 χ^2/NDF: 6009462.6/49

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 26.804+/-21.712 χ^2/NDF: 21.8/21

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 2.821+/-21.441 χ^2/NDF: 27.7/26

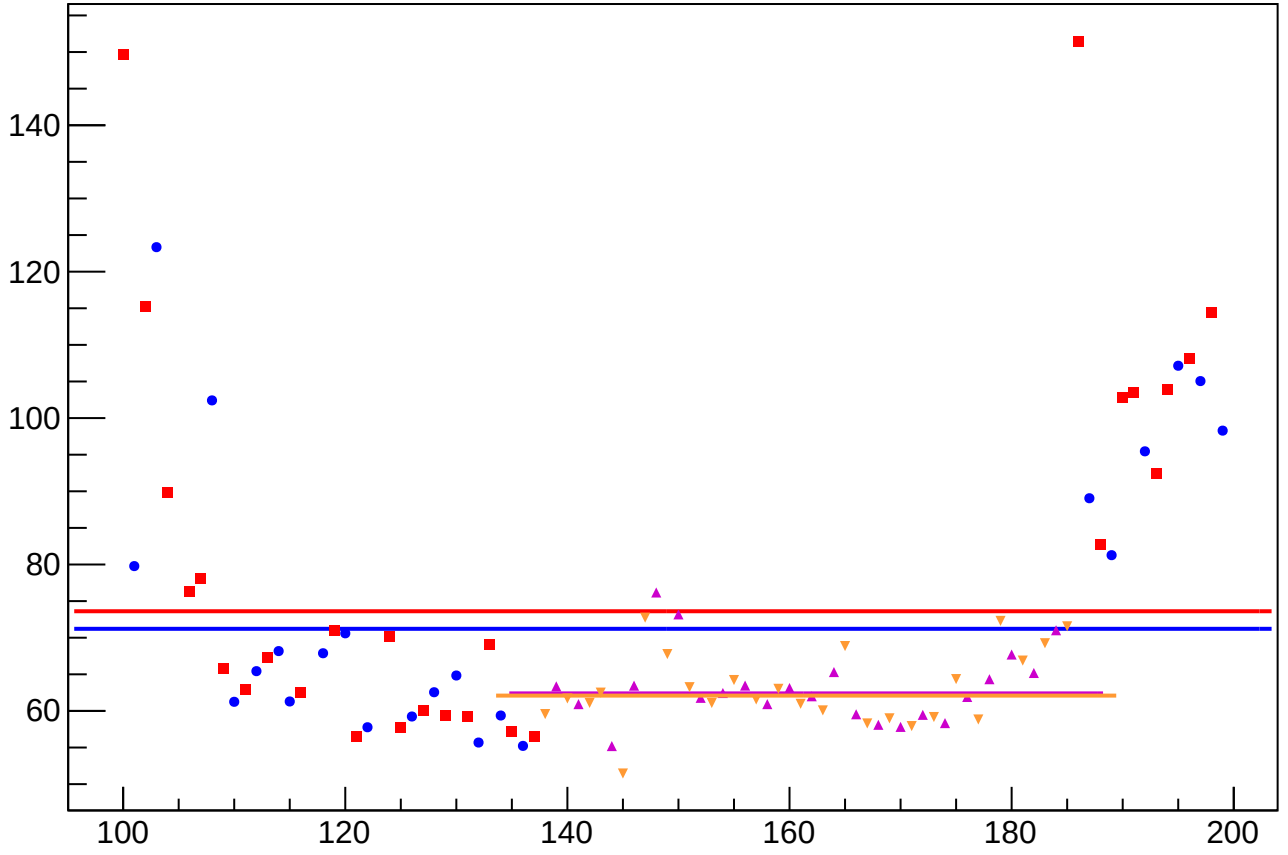
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

\+ sign -52.961+/-11.869 χ^2/NDF: 89.9/46

All: 3.651+/-8.473 χ^2/NDF: 200.4/96

\- sign 62.484+/-12.100 χ^2/NDF: 64.1/49

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.216+/-0.015 χ^2/NDF: 1347538.5/21

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 73.616+/-0.015 χ^2/NDF: 1631702.6/26

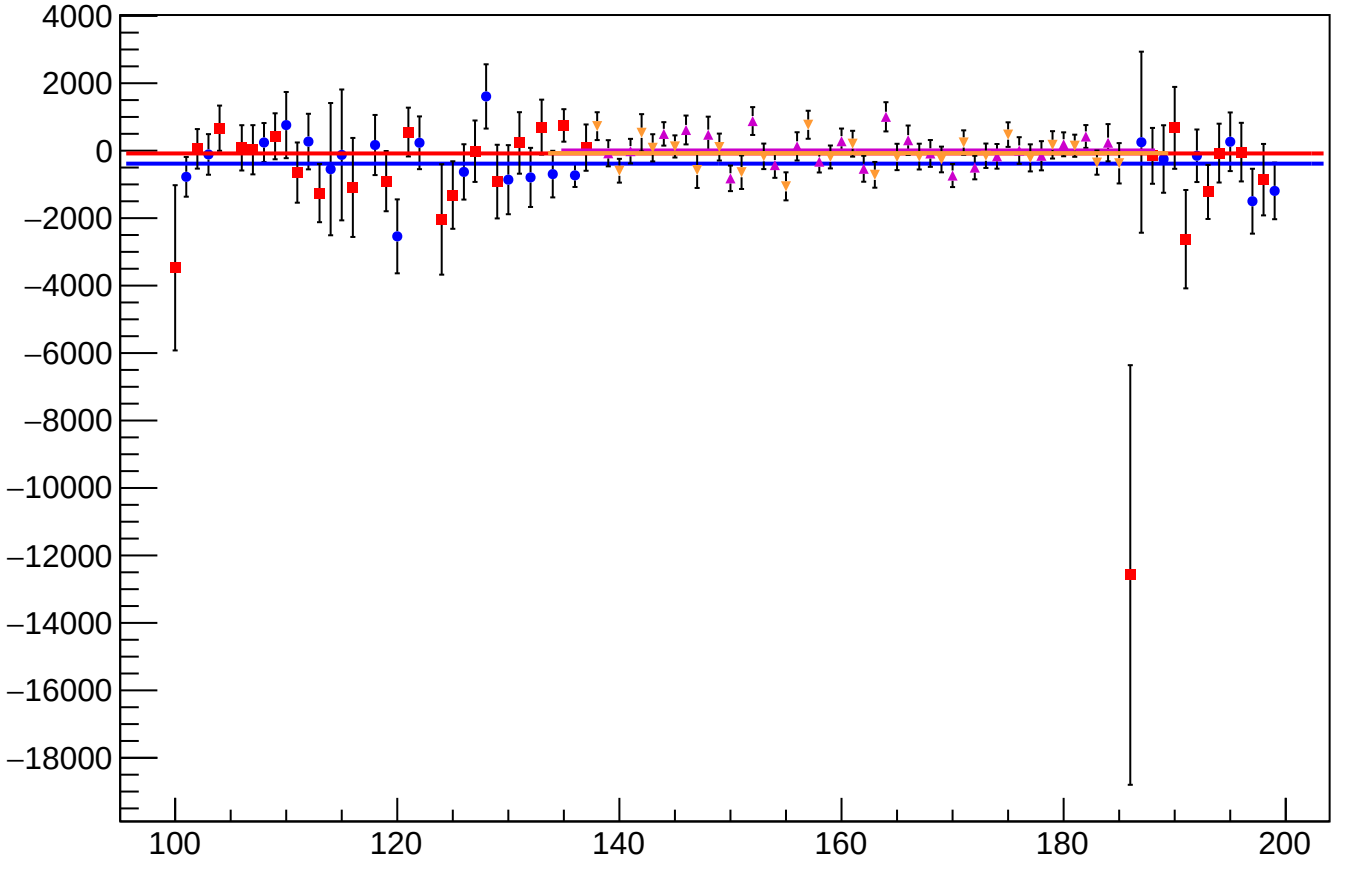
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 64.819+/-0.008 χ^2/NDF: 1828424.2/46

All: 65.383+/-0.006 χ^2/NDF: 4031422.9/96

- sign 65.968+/-0.009 χ^2/NDF: 2193805.4/49

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -384.278+/-163.605 χ^2/NDF: 17.8/21

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -81.944+/-162.102 χ^2/NDF: 25.8/26

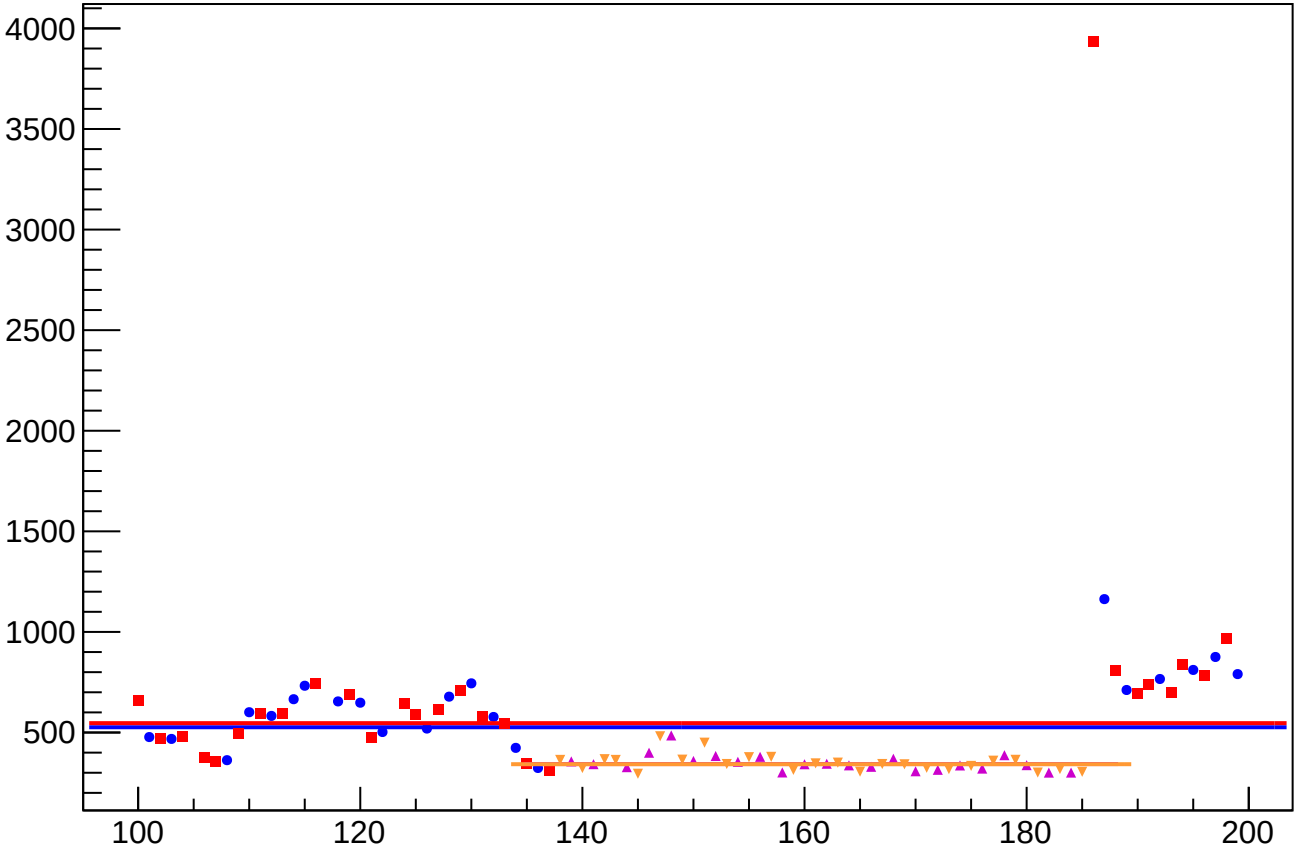
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -129.768+/-70.701 χ^2/NDF: 49.4/46

All: -71.886+/-50.544 χ^2/NDF: 110.8/96

- sign -11.380+/-72.286 χ^2/NDF: 60.1/49

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 526.170+/-0.116 χ^2/NDF: 2244278.3/21

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 546.566+/-0.115 χ^2/NDF: 2728275.3/26

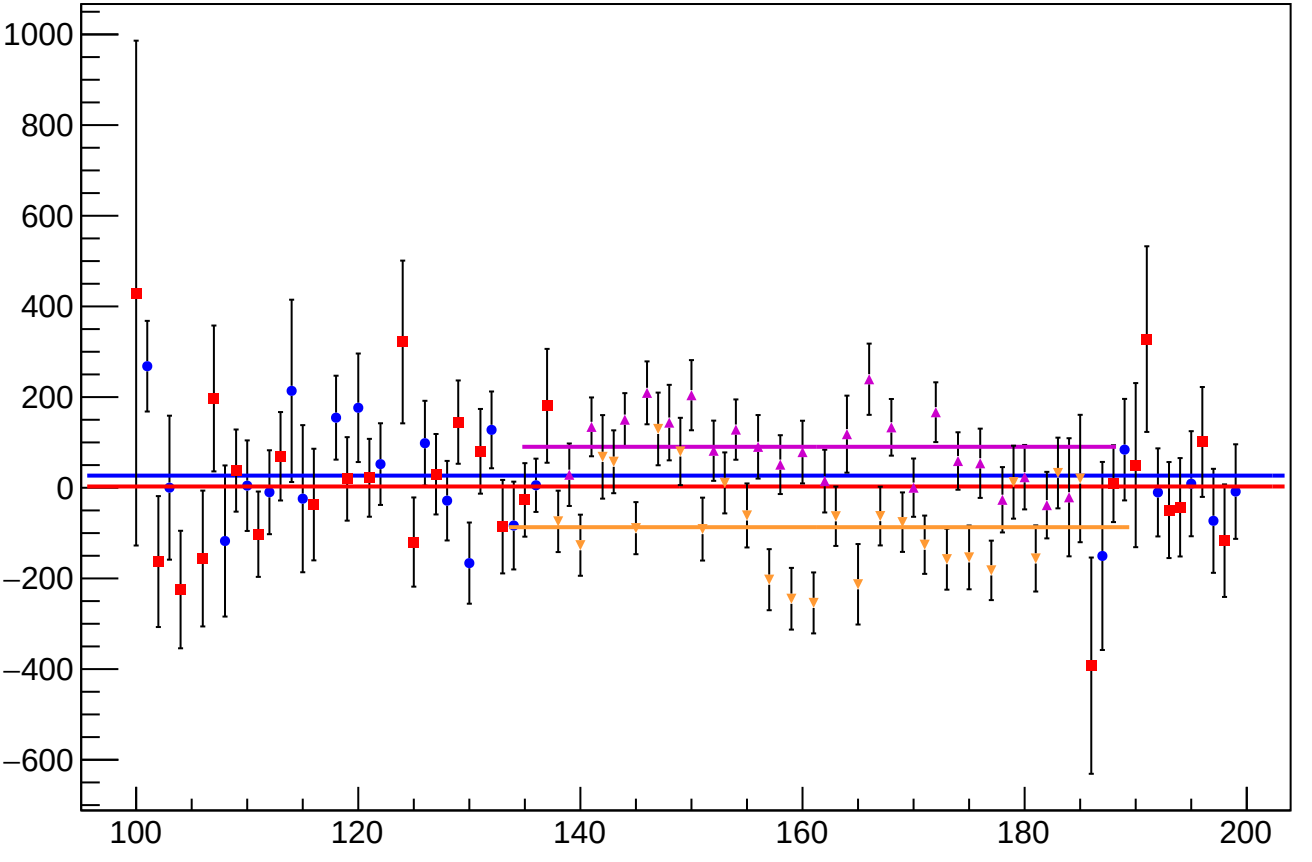
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 376.802+/-0.050 χ^2/NDF: 4728356.5/46

All: 380.162+/-0.036 χ^2/NDF: 10359616.1/96

- sign 383.675+/-0.051 χ^2/NDF: 5622017.8/49

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 26.804+/-21.712 χ^2/NDF: 21.8/21

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 2.821+/-21.441 χ^2/NDF: 27.7/26

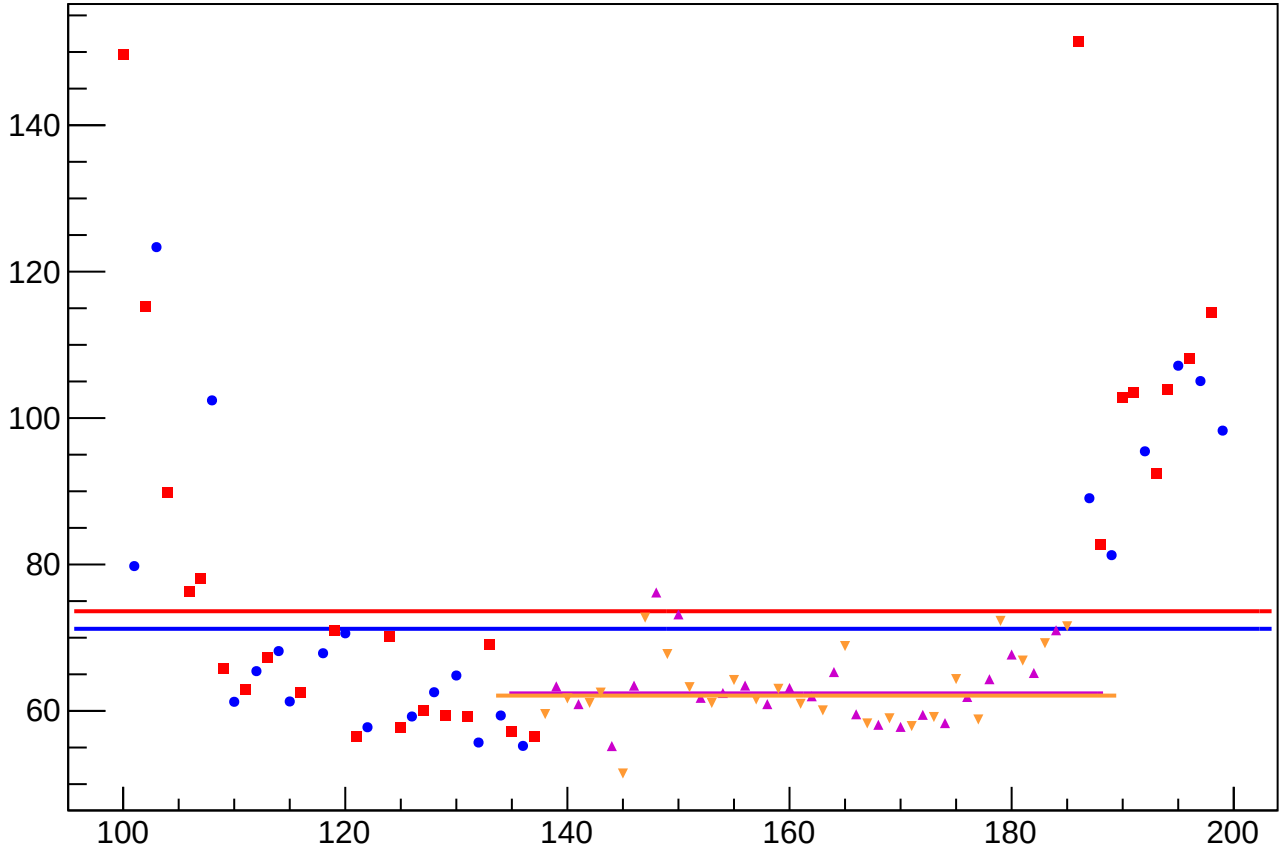
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -52.961+/-11.869 χ^2/NDF: 89.9/46

All: 3.652+/-8.473 χ^2/NDF: 200.4/96

- sign 62.484+/-12.100 χ^2/NDF: 64.1/49

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.215+/-0.015 χ^2/NDF: 1347559.7/21

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

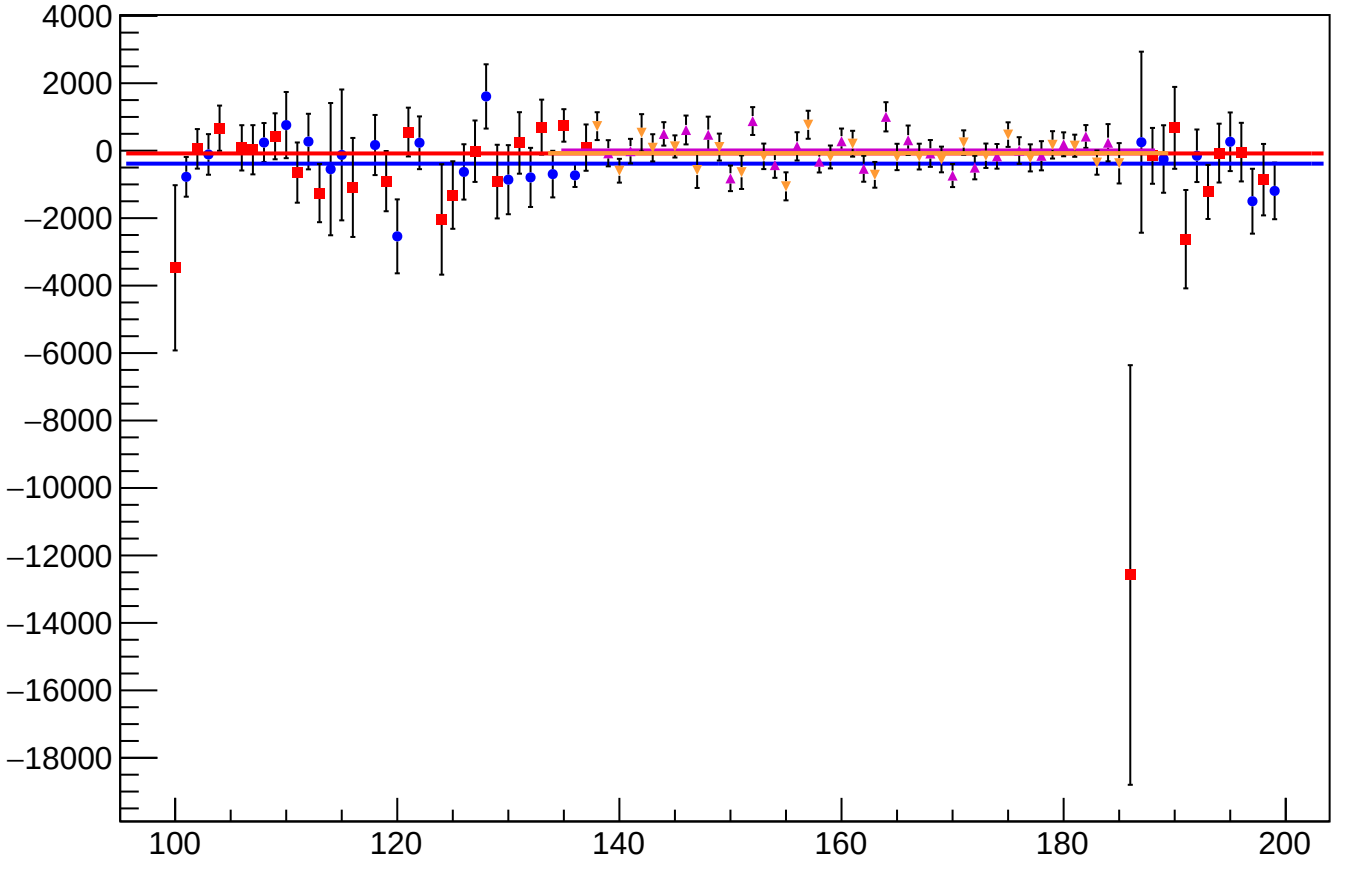
Right Out: 73.615+/-0.015 χ^2/NDF: 1631703.9/26

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 64.819+/-0.008 χ^2/NDF: 1828445.5/46

All: 65.383+/-0.006 χ^2/NDF: 4031442.6/96

- sign 65.968+/-0.009 χ^2/NDF: 2193803.4/49



Right In: -384.277+/-163.605 χ^2/NDF: 17.8/21

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

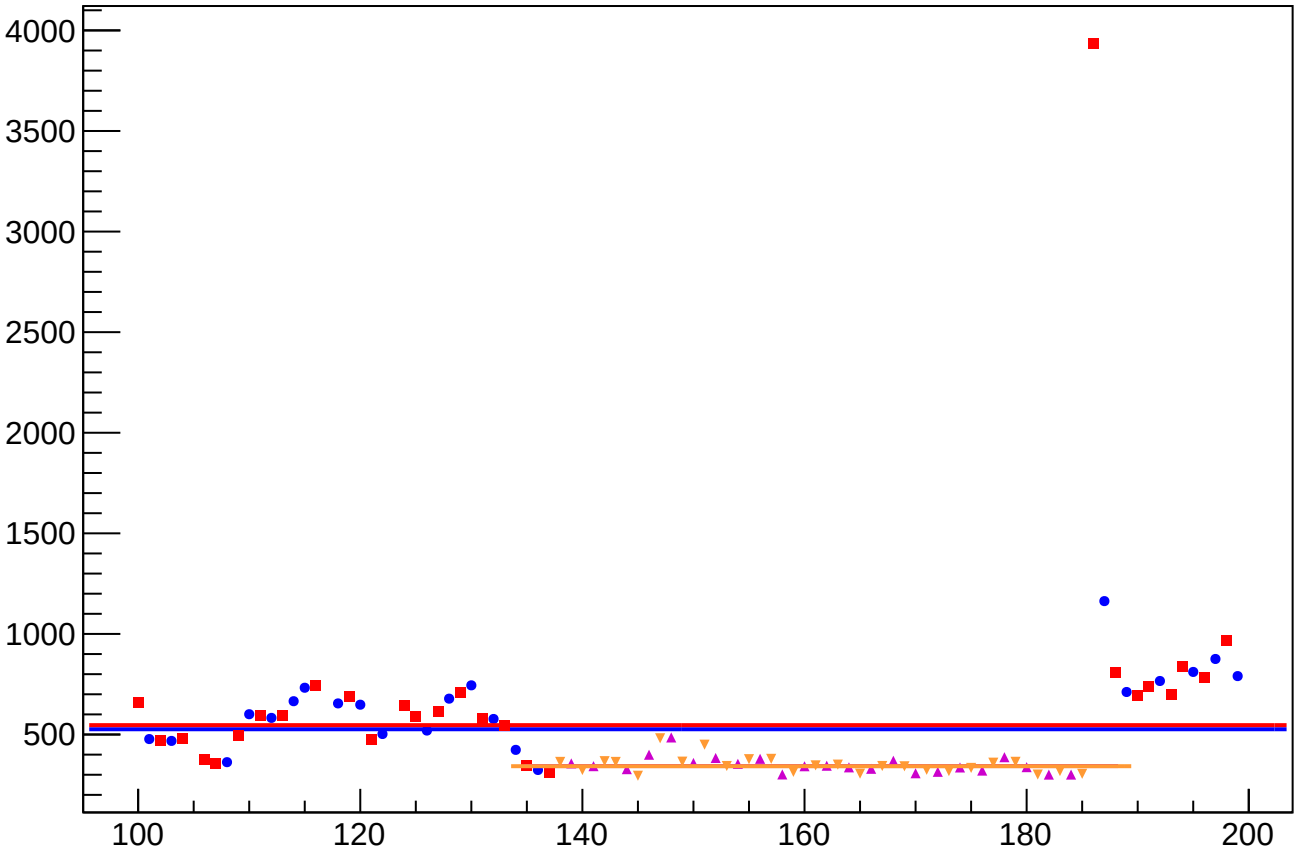
Right Out: -81.944+/-162.102 χ^2/NDF: 25.8/26

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -129.768+/-70.701 χ^2/NDF: 49.4/46

All: -71.886+/-50.544 χ^2/NDF: 110.8/96

- sign -11.380+/-72.286 χ^2/NDF: 60.1/49



Right In: 526.169+/-0.116 χ^2/NDF: 2244281.0/21

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 546.565+/-0.115 χ^2/NDF: 2728279.8/26

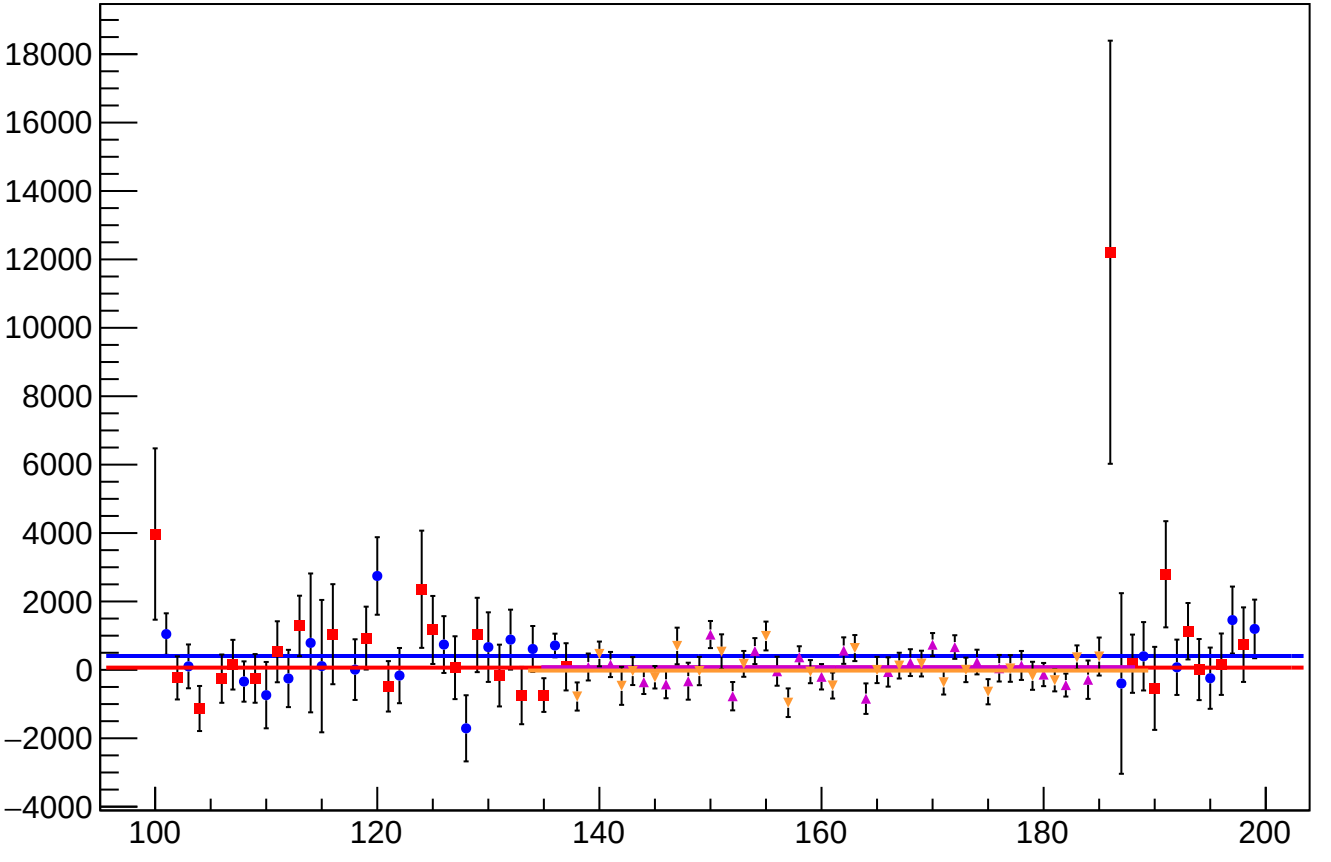
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 376.802+/-0.050 χ^2/NDF: 4728350.8/46

All: 380.162+/-0.036 χ^2/NDF: 10359599.2/96

- sign 383.675+/-0.051 χ^2/NDF: 5622006.4/49

asym_sam_13_57_dd_mean vs Slug



Right In: 405.693+/-165.972 χ^2/NDF: 19.0/21

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 65.579+/-165.656 χ^2/NDF: 27.1/26

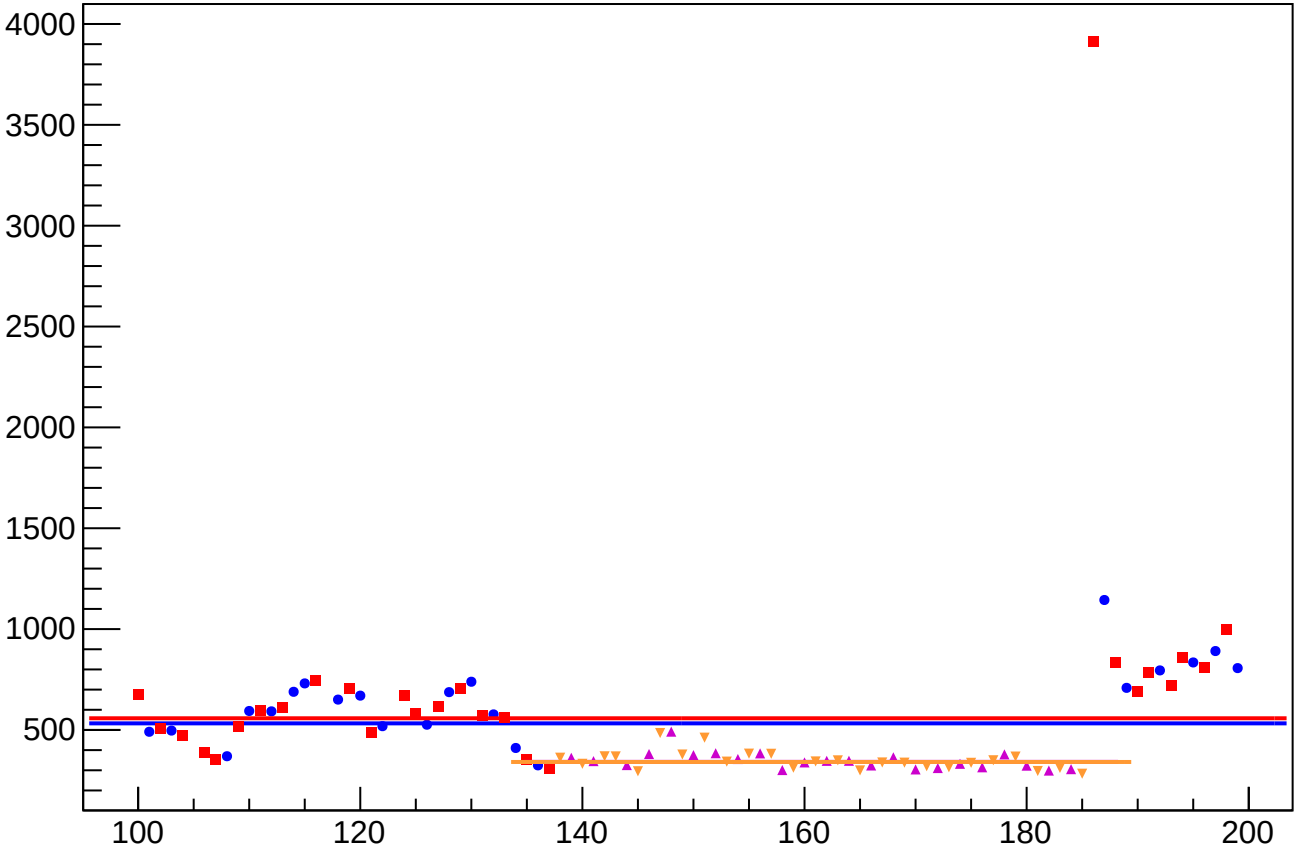
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 57.105+/-70.738 χ^2/NDF: 55.8/46

All: 66.446+/-50.576 χ^2/NDF: 115.9/96

- sign 76.213+/-72.338 χ^2/NDF: 60.1/49

asym_sam_13_57_dd_rms vs Slug



Right In: 532.643+/-0.117 χ^2/NDF: 2294776.4/21

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

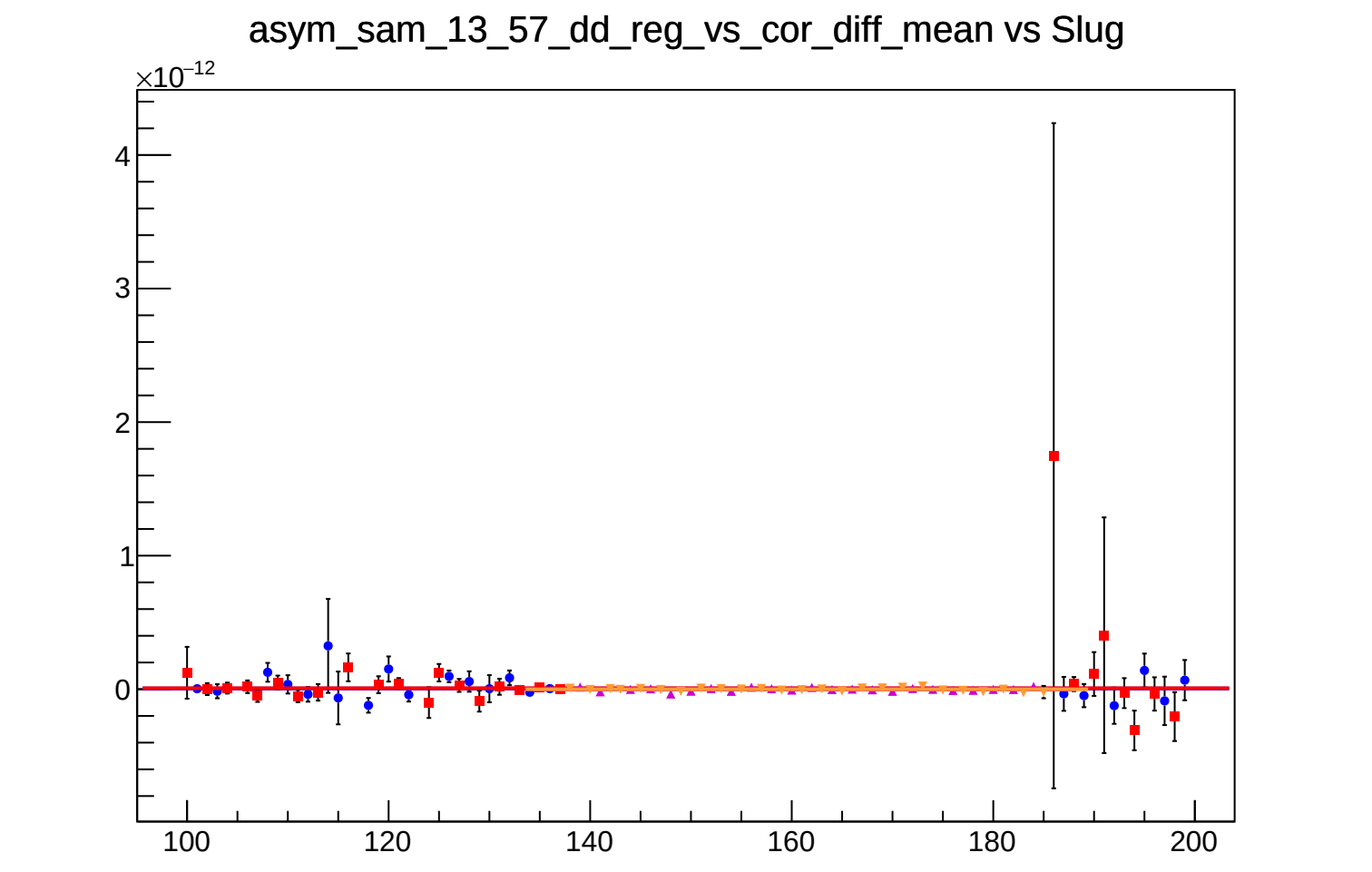
Right Out: 557.832+/-0.117 χ^2/NDF: 2751869.1/26

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 375.975+/-0.050 χ^2/NDF: 4983250.0/46

All: 379.336+/-0.036 χ^2/NDF: 10898538.6/96

- sign 382.851+/-0.051 χ^2/NDF: 5906052.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

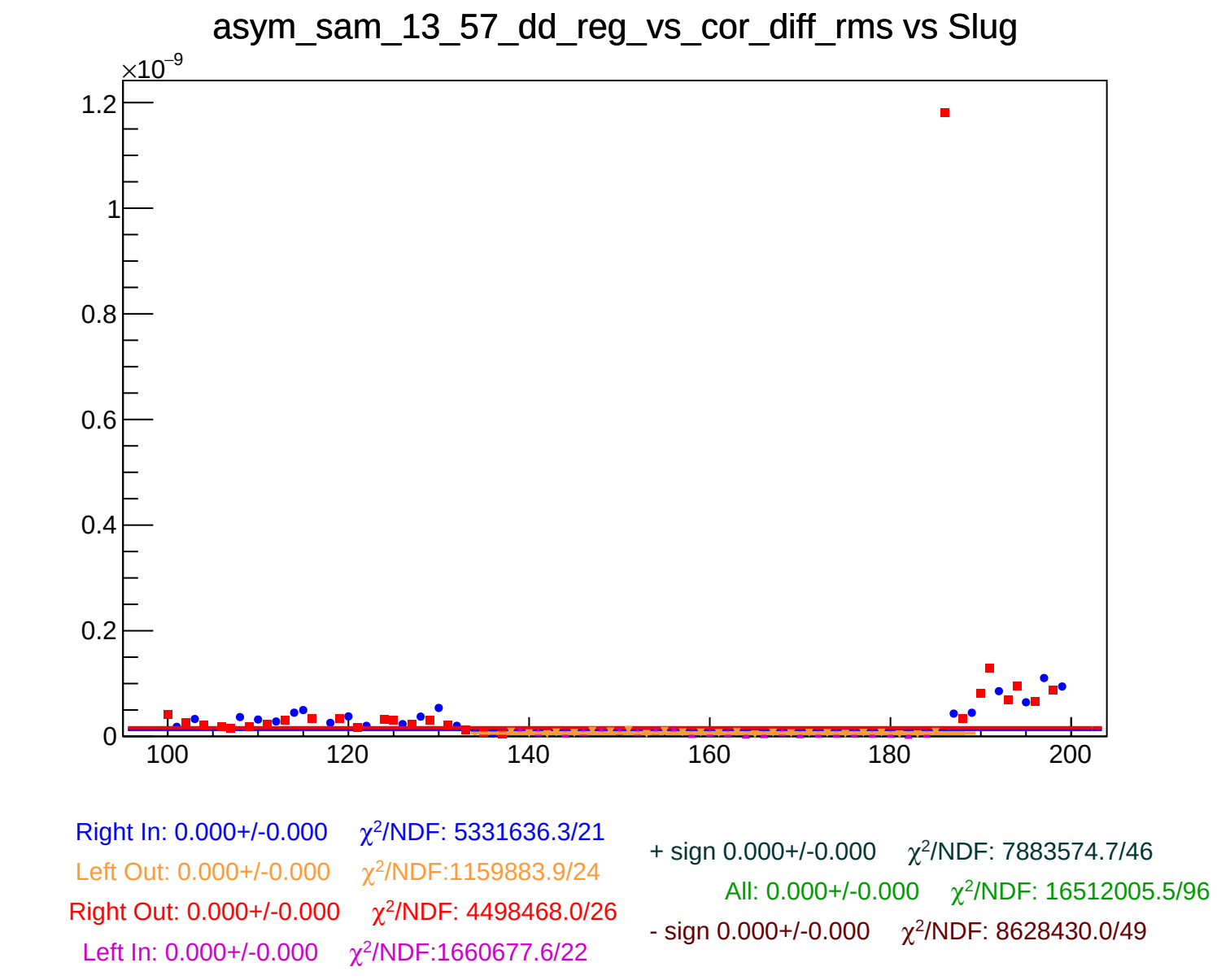
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/26

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

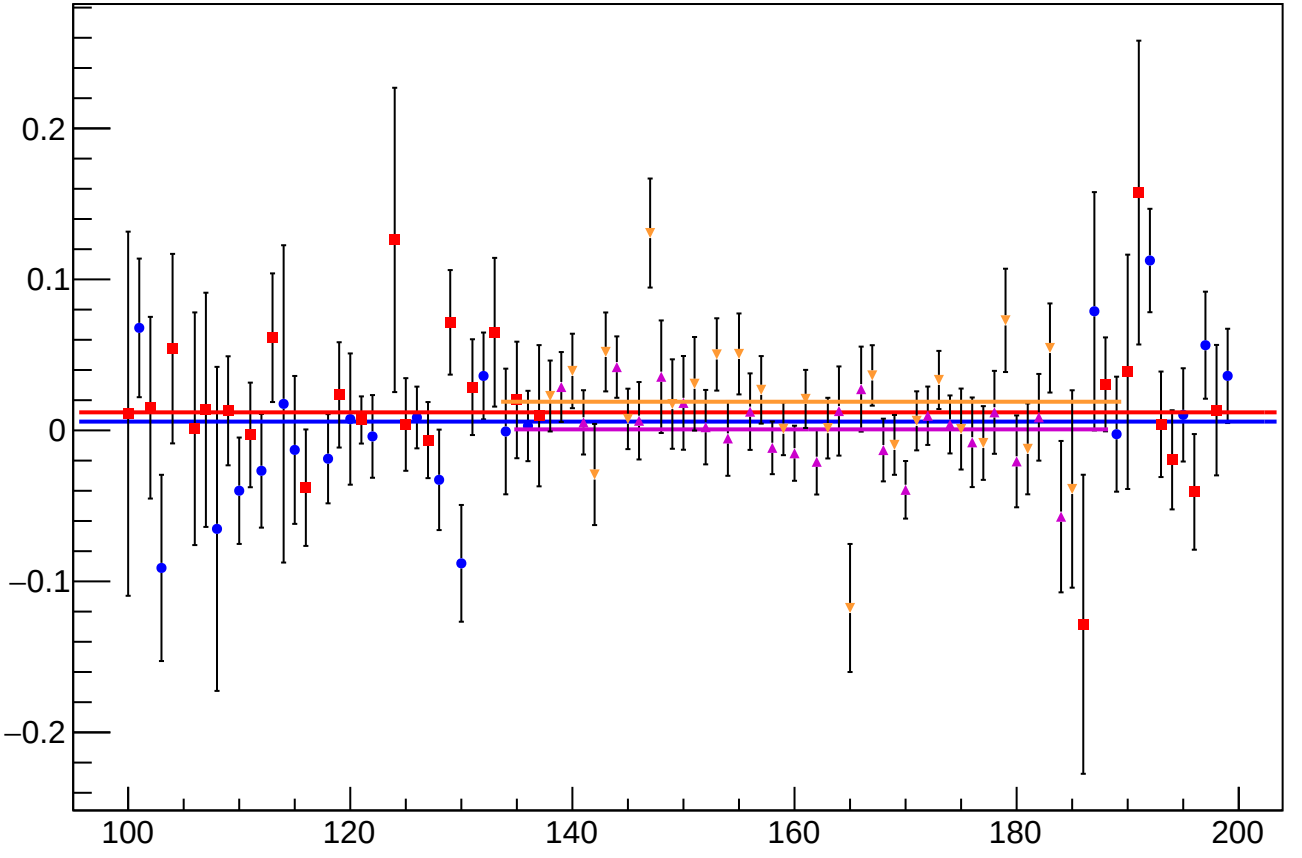
+ sign -0.000+/-0.000 χ^2/NDF: 43.7/46

All: -0.000+/-0.000 χ^2/NDF: 80.9/96

- sign -0.000+/-0.000 χ^2/NDF: 37.0/49


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5331636.3/21
Left Out: 0.000+/-0.000 χ²/NDF:1159883.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4498468.0/26
Left In: 0.000+/-0.000 χ²/NDF:1660677.6/22
+ sign 0.000+/-0.000 χ²/NDF: 7883574.7/46
All: 0.000+/-0.000 χ²/NDF: 16512005.5/96
- sign 0.000+/-0.000 χ²/NDF: 8628430.0/49

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

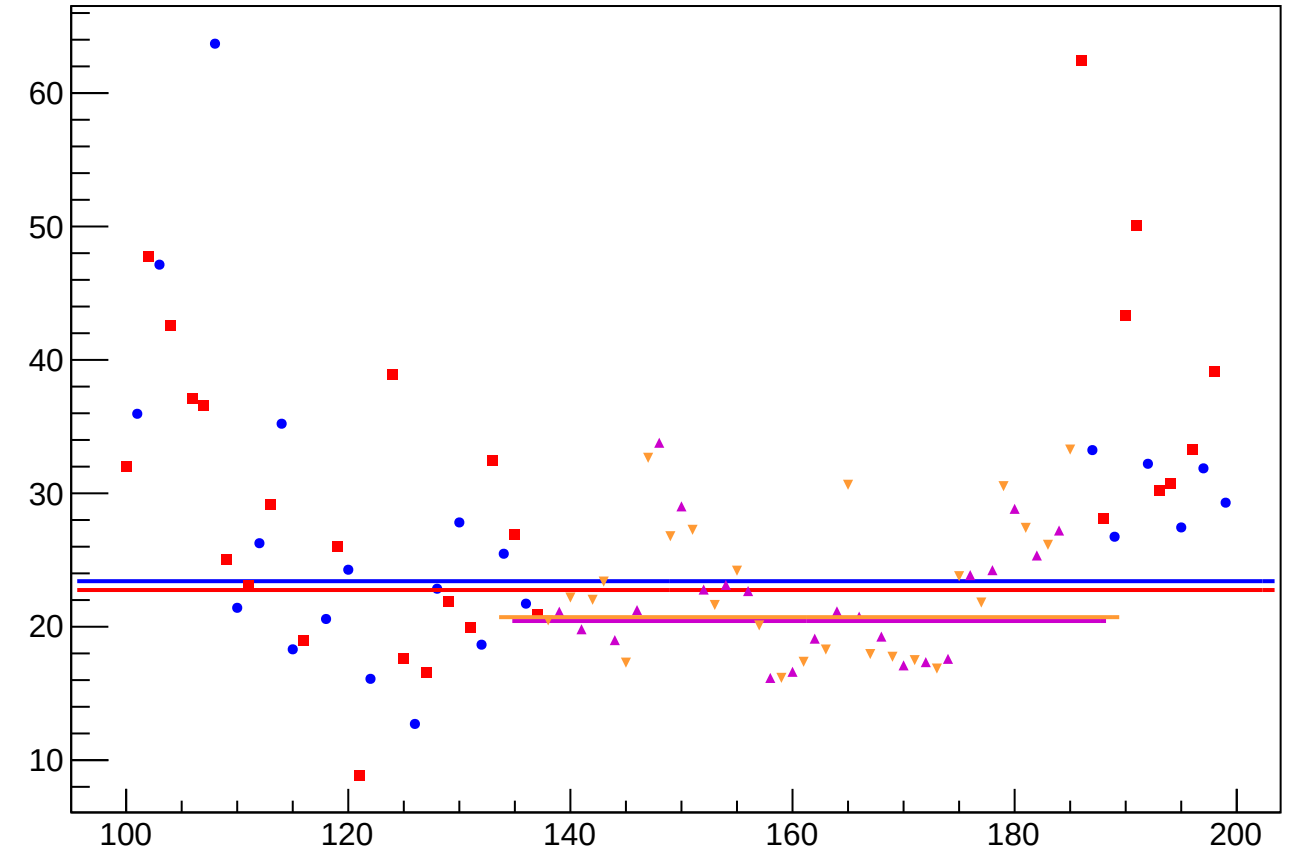
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

\+ sign 0.015+/-0.004 χ^2/NDF: 73.5/46

All: 0.010+/-0.003 χ^2/NDF: 114.0/96

\- sign 0.004+/-0.004 χ^2/NDF: 37.0/49



Right In: 23.415+/-0.005 χ^2/NDF: 1996415.6/21

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

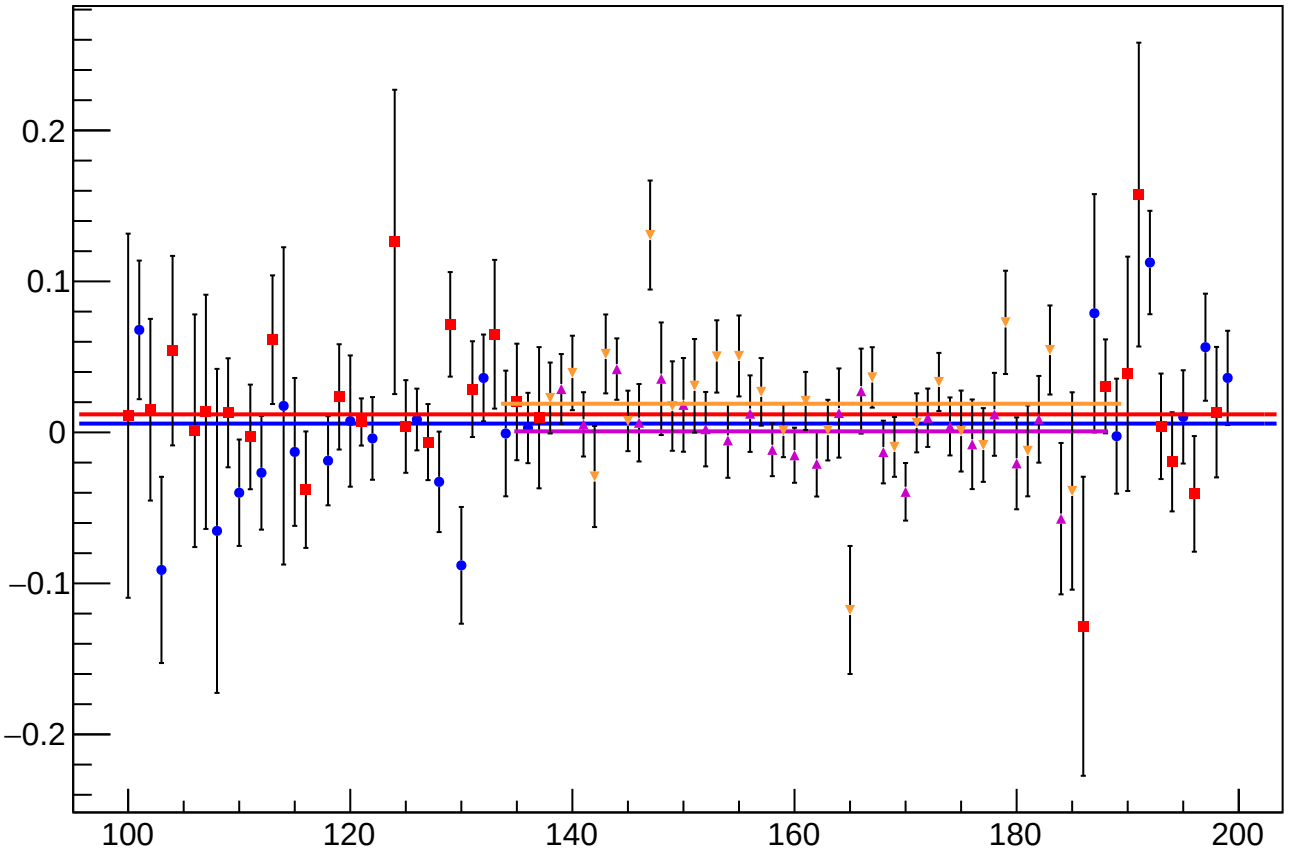
Right Out: 22.752+/-0.005 χ^2/NDF: 4031169.1/26

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.526+/-0.003 χ^2/NDF: 3686416.5/46

All: 21.347+/-0.002 χ^2/NDF: 9040154.8/96

- sign 21.168+/-0.003 χ^2/NDF: 5346039.0/49



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

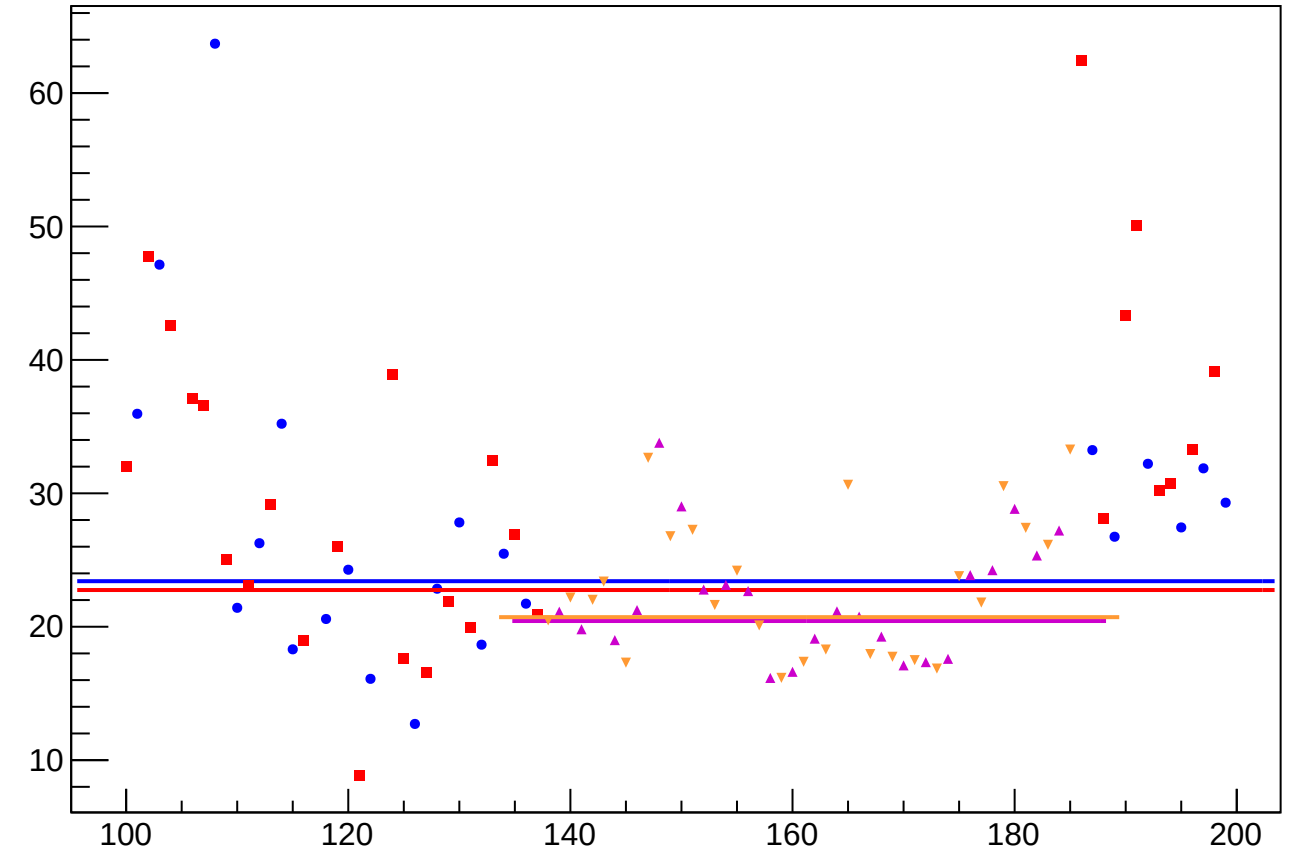
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.5/46

All: 0.010+/-0.003 χ^2/NDF: 114.0/96

- sign 0.004+/-0.004 χ^2/NDF: 37.0/49



Right In: 23.415+/-0.005 χ^2/NDF: 1996415.6/21

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

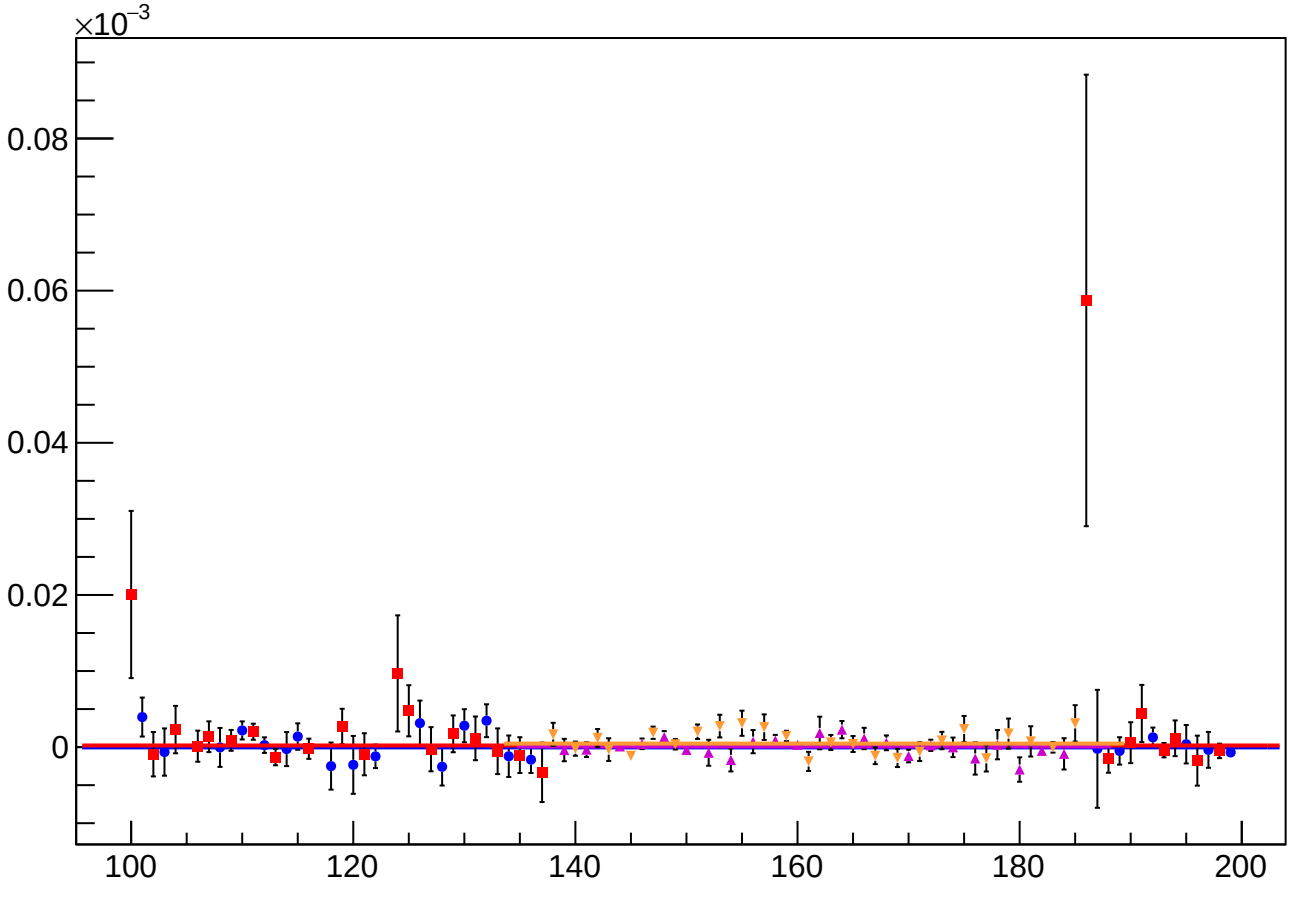
Right Out: 22.752+/-0.005 χ^2/NDF: 4031169.1/26

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.526+/-0.003 χ^2/NDF: 3686416.5/46

All: 21.347+/-0.002 χ^2/NDF: 9040154.8/96

- sign 21.168+/-0.003 χ^2/NDF: 5346039.0/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/26

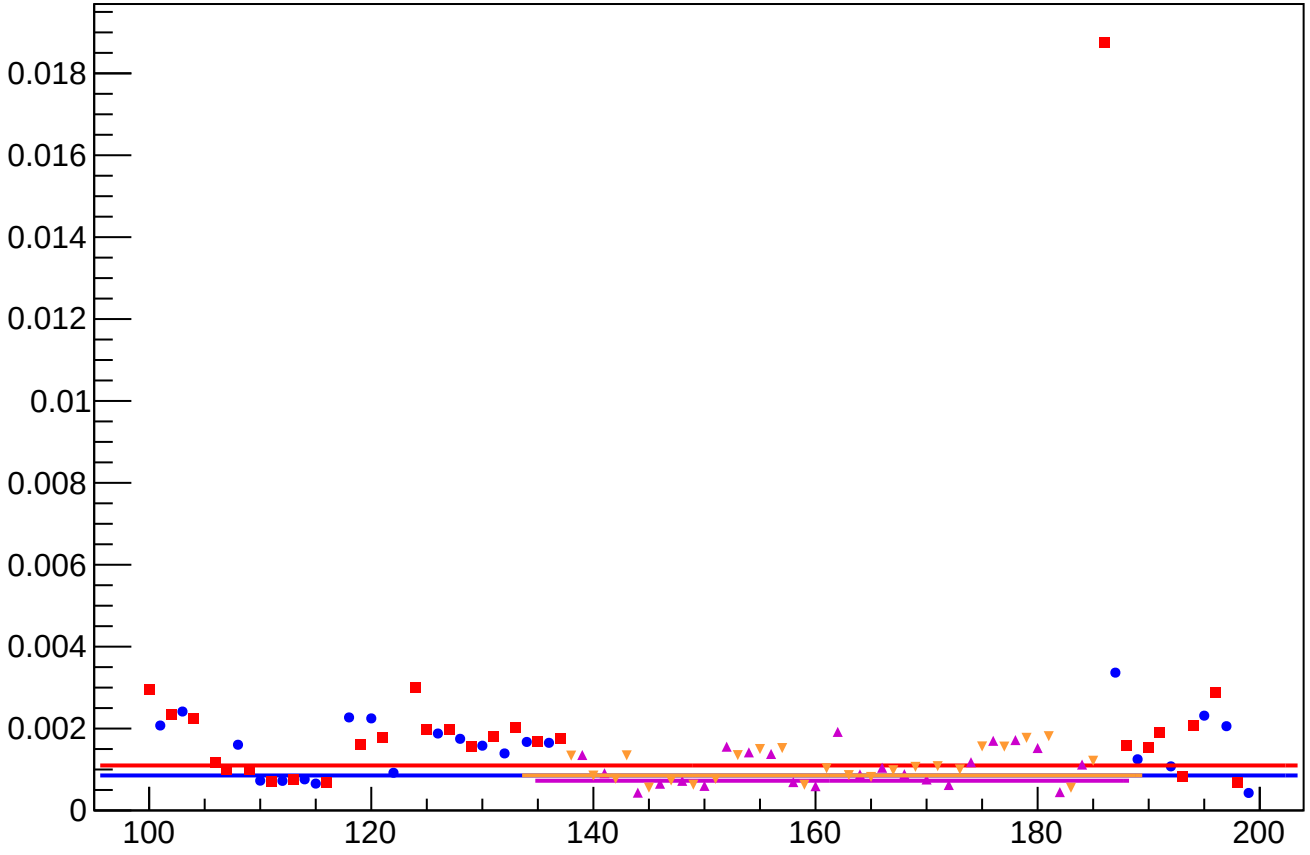
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.7/46

All: 0.000+/-0.000 χ^2/NDF: 101.5/96

- sign 0.000+/-0.000 χ^2/NDF: 43.1/49

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6685312.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

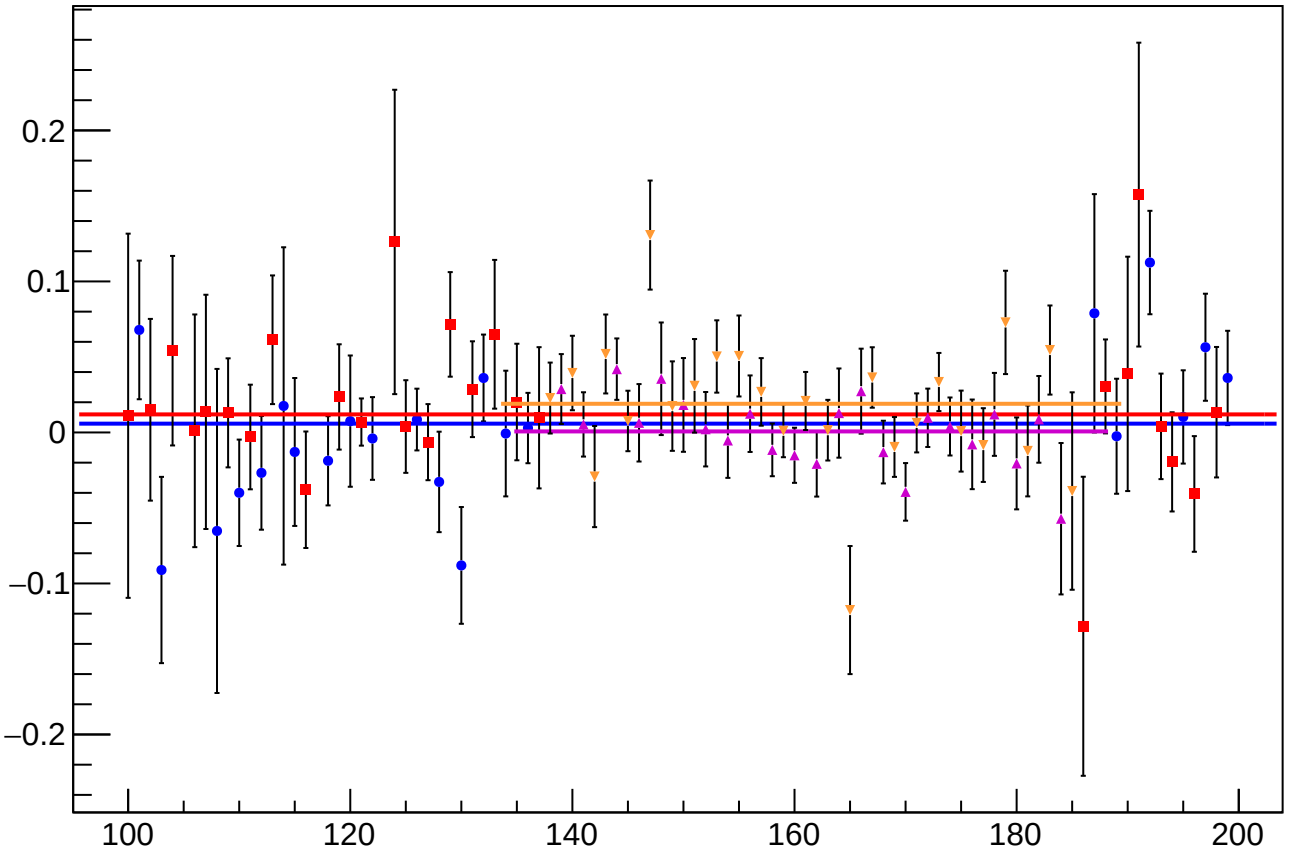
Right Out: 0.001+/-0.000 χ^2/NDF: 5090838.0/26

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 11124437.5/46

All: 0.001+/-0.000 χ^2/NDF: 23805644.9/96

- sign 0.001+/-0.000 χ^2/NDF: 12593505.2/49



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

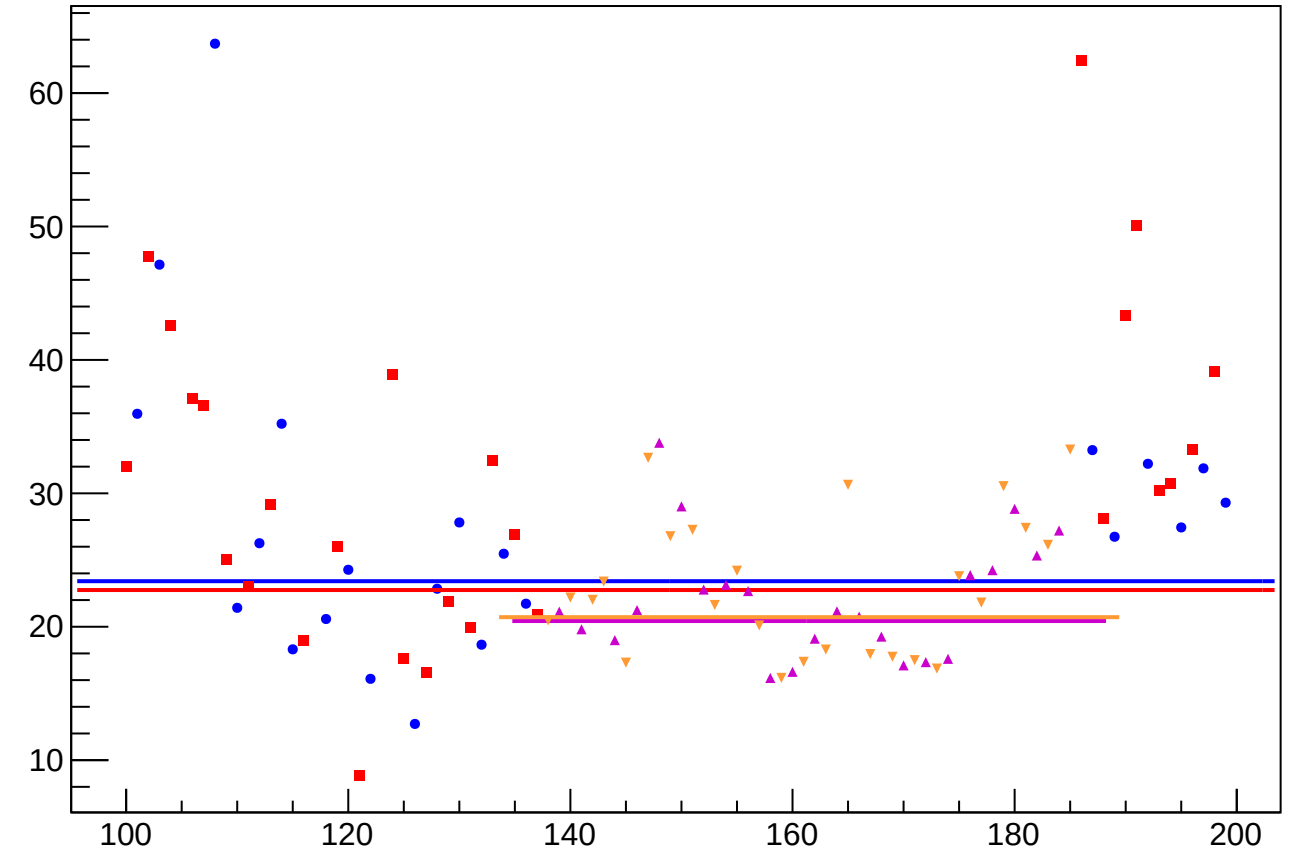
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.5/46

All: 0.010+/-0.003 χ^2/NDF: 114.0/96

- sign 0.004+/-0.004 χ^2/NDF: 37.0/49



Right In: 23.415+/-0.005 χ^2/NDF: 1996240.1/21

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

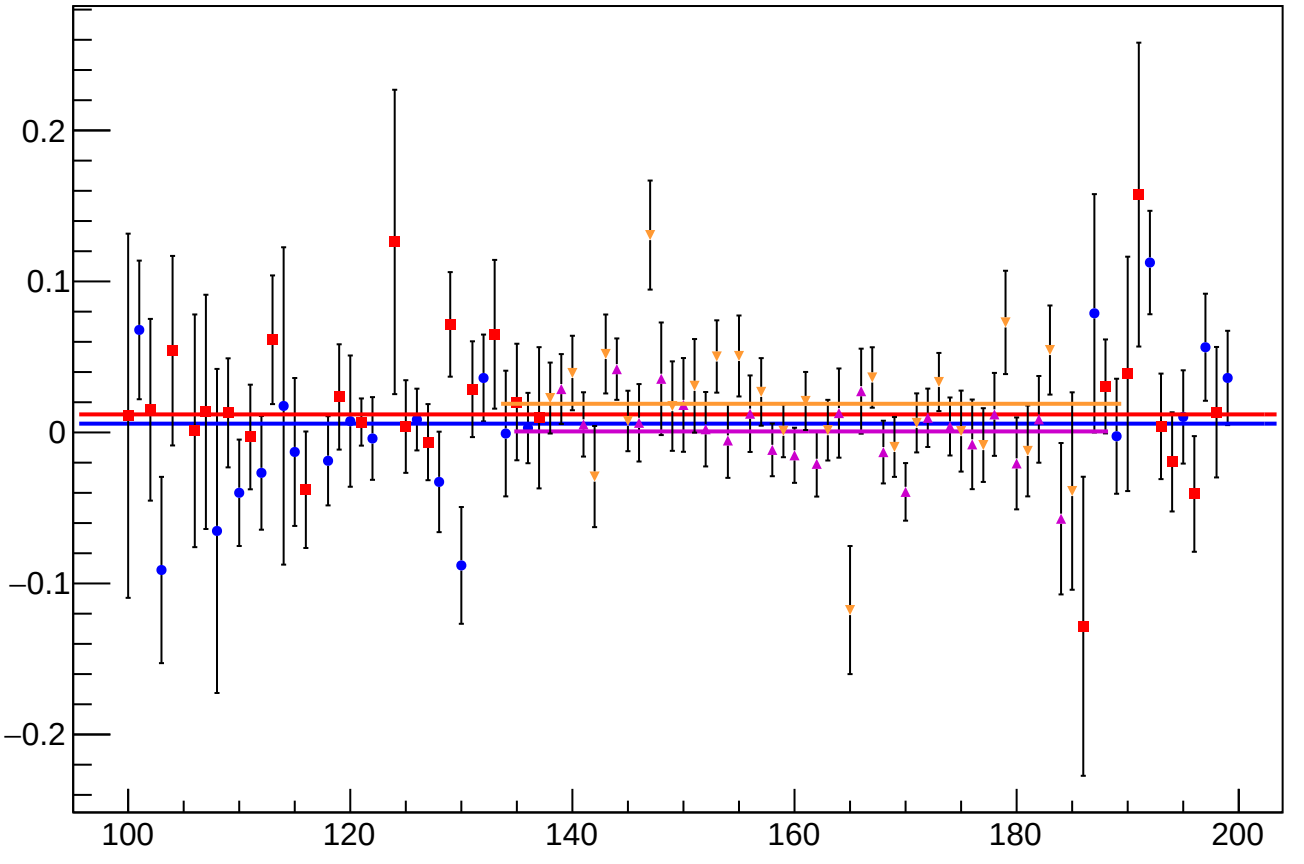
Right Out: 22.752+/-0.005 χ^2/NDF: 4030620.4/26

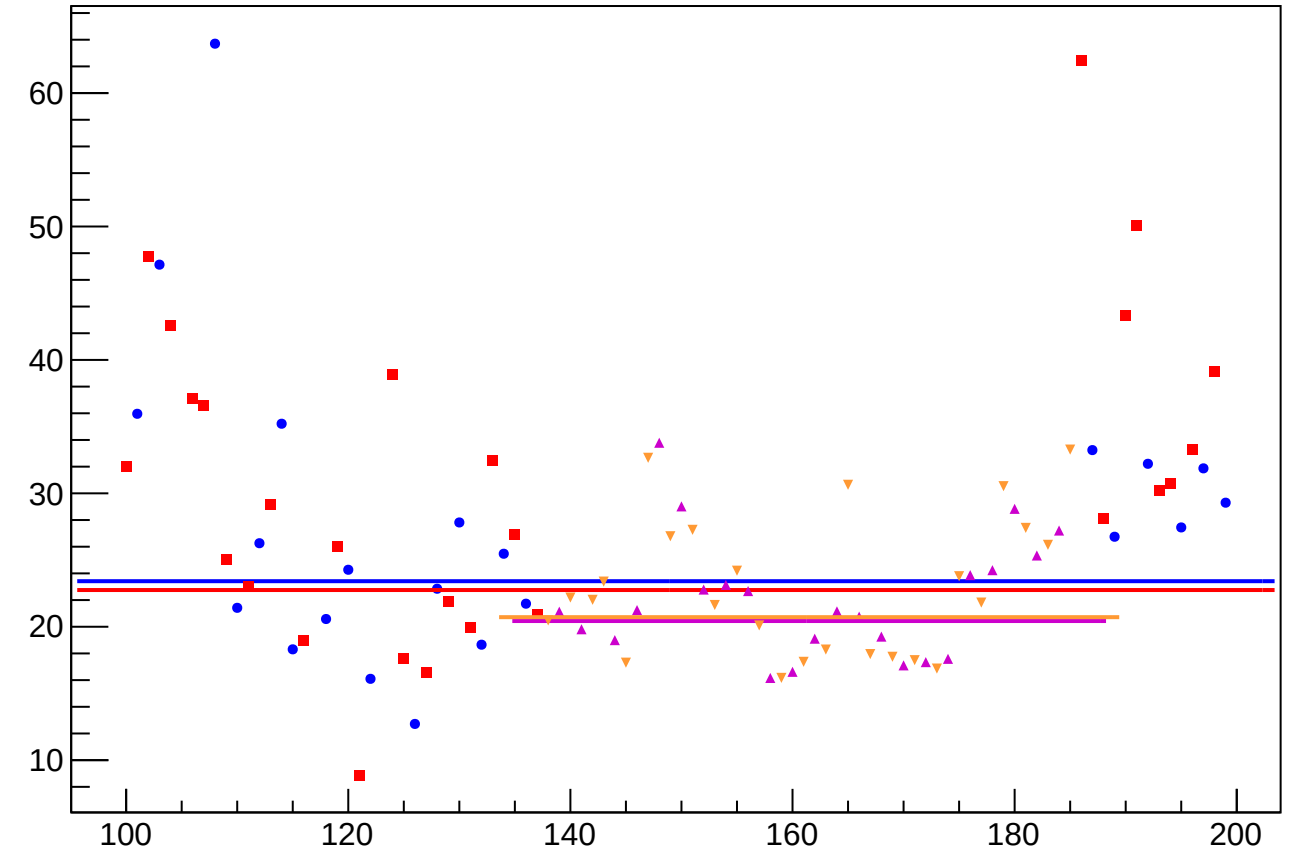
Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

\+ sign 21.526+/-0.003 χ^2/NDF: 3686389.3/46

All: 21.347+/-0.002 χ^2/NDF: 9039683.7/96

\- sign 21.168+/-0.003 χ^2/NDF: 5345601.8/49


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: 0.006+/-0.007 χ²/NDF: 30.2/21
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.012+/-0.007 χ²/NDF: 17.7/26
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.015+/-0.004 χ²/NDF: 73.5/46
All: 0.010+/-0.003 χ²/NDF: 114.0/96
- sign 0.004+/-0.004 χ²/NDF: 37.0/49



Right In: 23.415+/-0.005 χ^2/NDF: 1996240.1/21

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

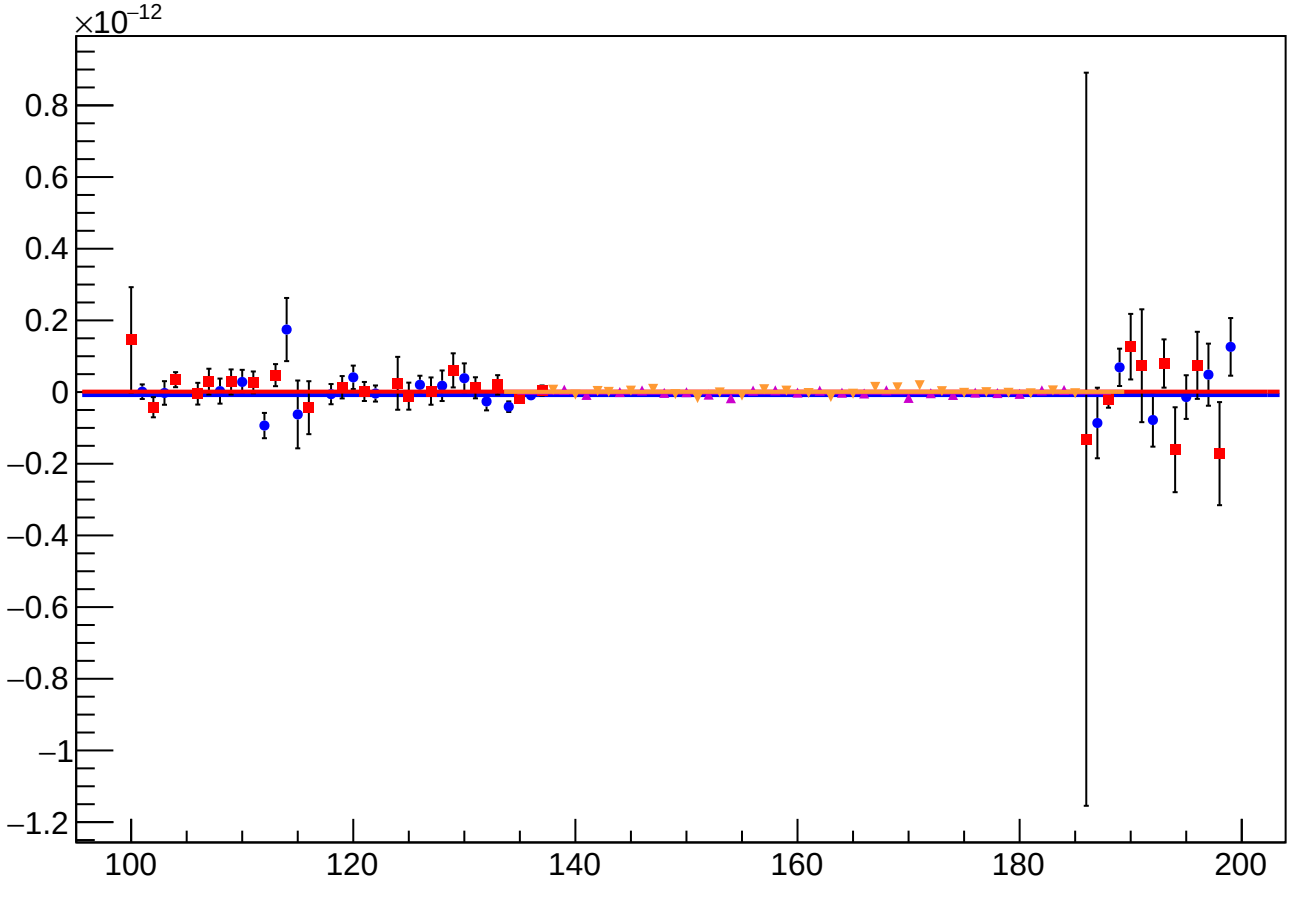
Right Out: 22.752+/-0.005 χ^2/NDF: 4030620.4/26

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

\+ sign 21.526+/-0.003 χ^2/NDF: 3686389.3/46

All: 21.347+/-0.002 χ^2/NDF: 9039683.7/96

\- sign 21.168+/-0.003 χ^2/NDF: 5345601.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

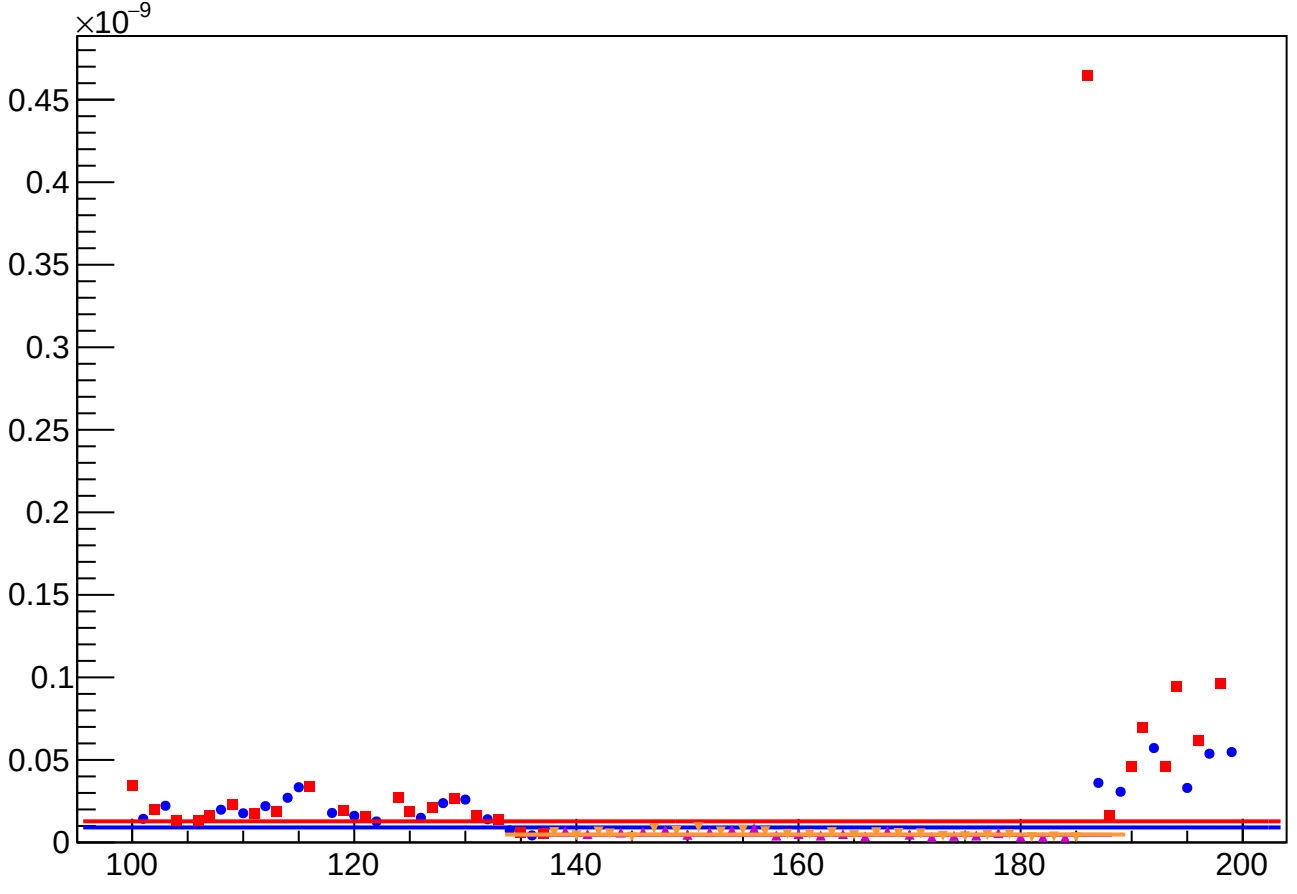
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/26

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.3/46

All: -0.000+/-0.000 χ^2/NDF: 109.0/96

- sign -0.000+/-0.000 χ^2/NDF: 46.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 6608104.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6325706.1/26

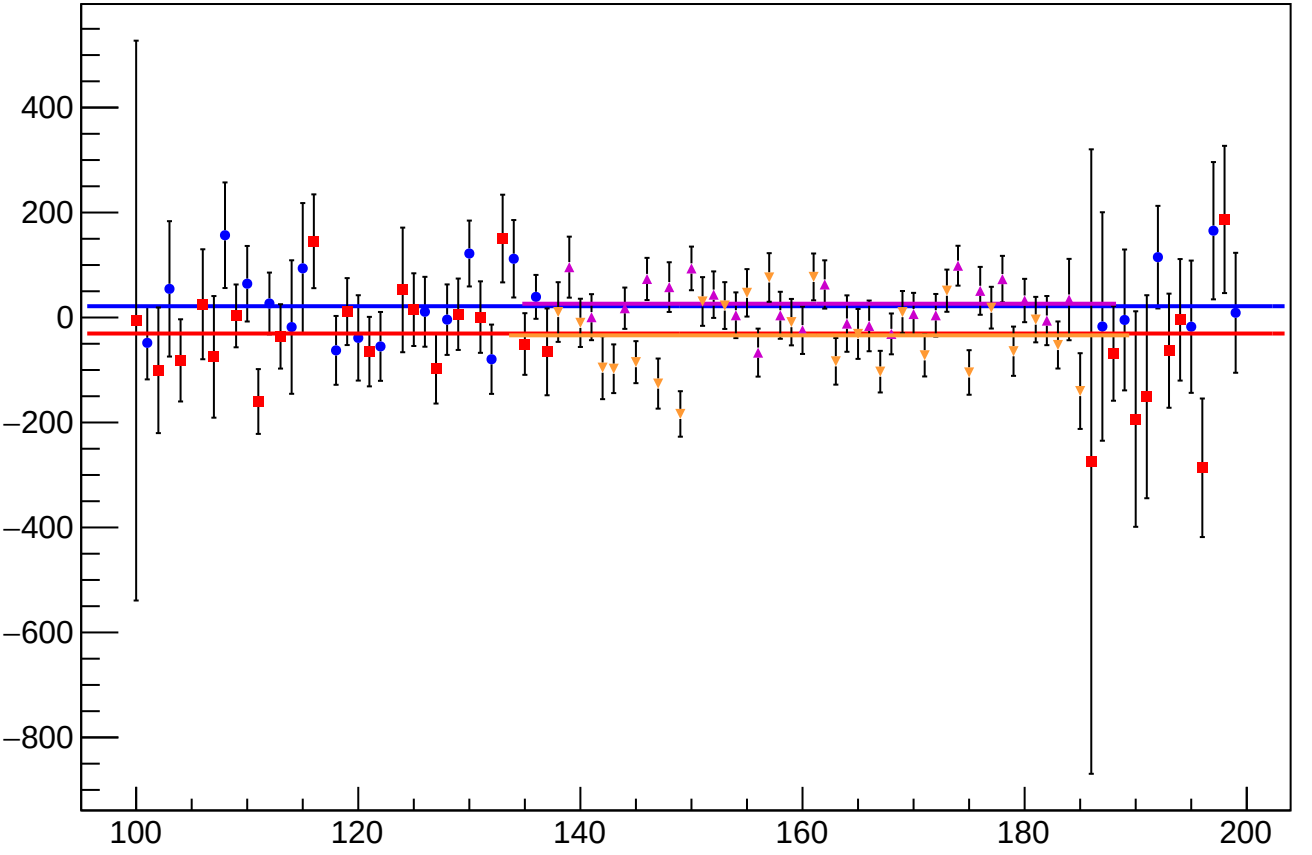
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10452170.8/46

All: 0.000+/-0.000 χ^2/NDF: 22925224.3/96

- sign 0.000+/-0.000 χ^2/NDF: 12469779.5/49

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 21.520+/-16.539 χ^2/NDF: 16.3/21

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.506+/-16.286 χ^2/NDF: 25.6/26

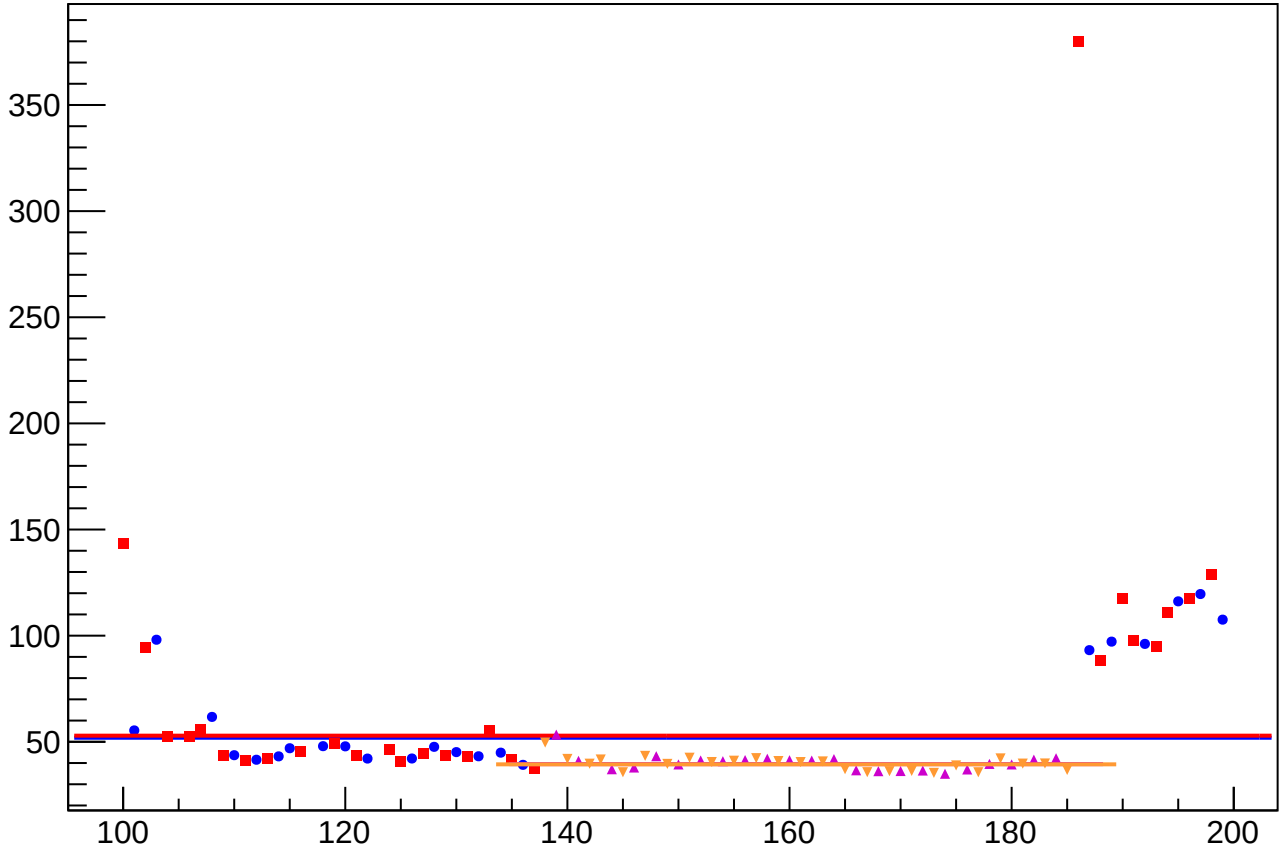
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.295+/-7.901 χ^2/NDF: 83.7/46

All: -4.793+/-5.641 χ^2/NDF: 149.8/96

- sign 12.370+/-8.057 χ^2/NDF: 57.2/49

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 51.917+/-0.012 χ^2/NDF: 2991646.5/21

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

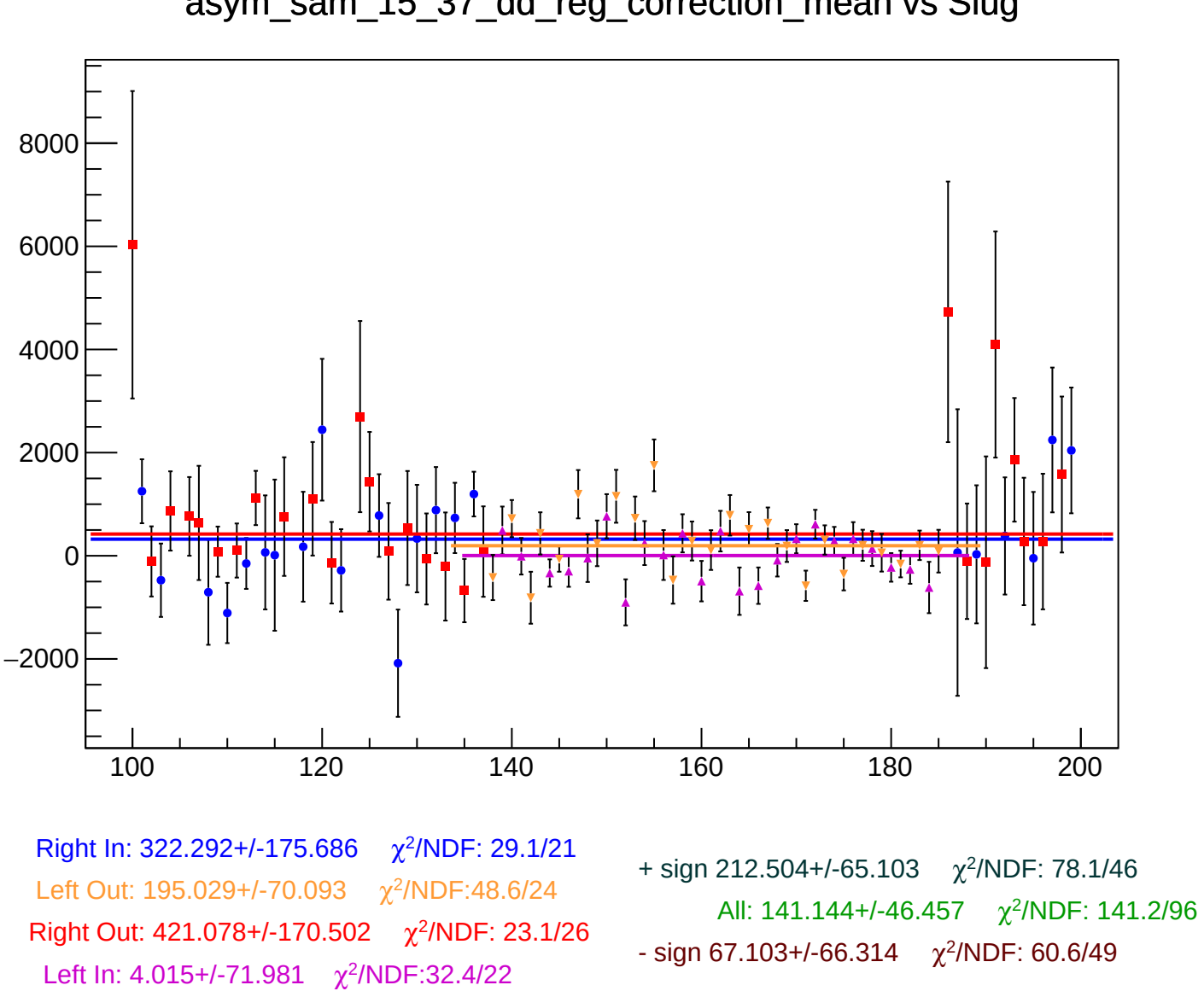
Right Out: 52.888+/-0.012 χ^2/NDF: 3949857.2/26

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

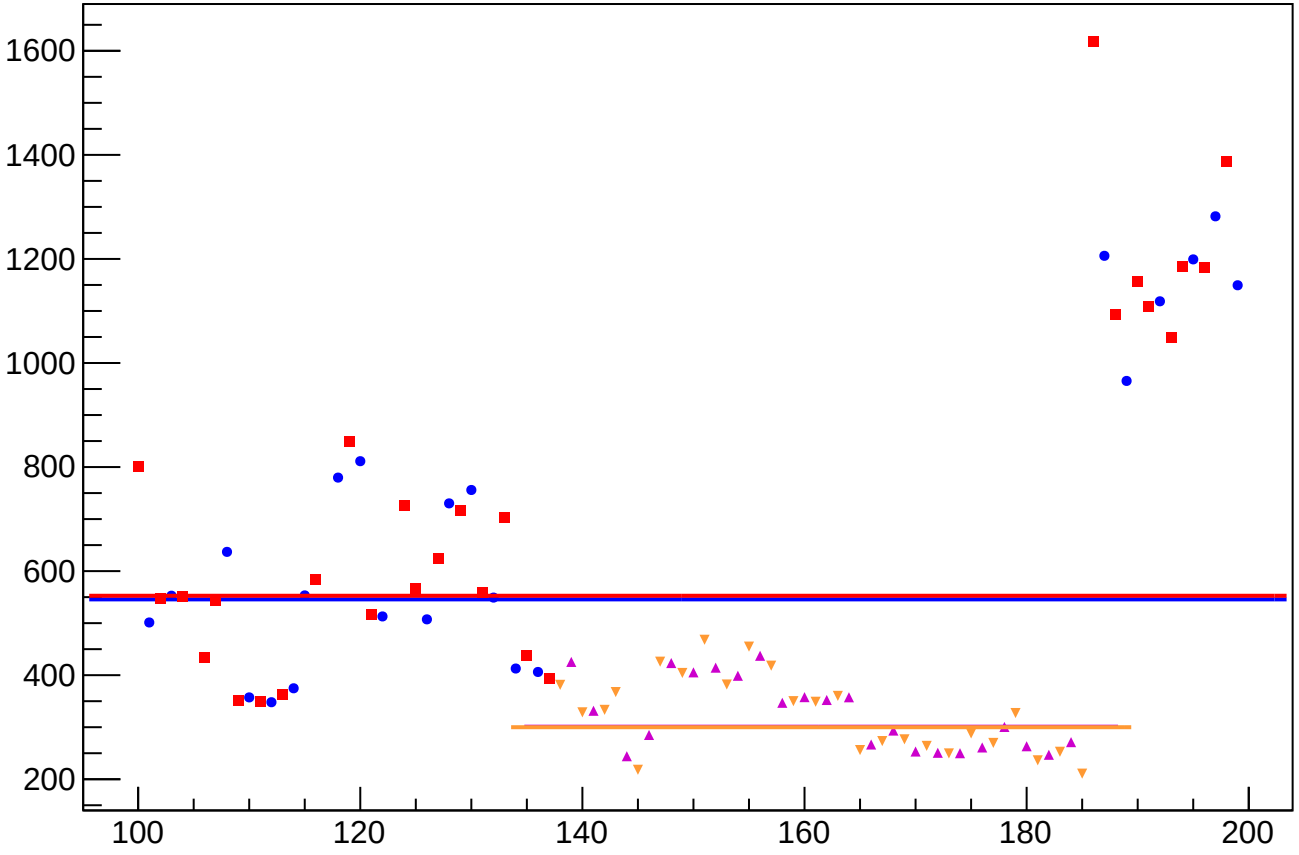
+ sign 42.243+/-0.006 χ^2/NDF: 4107052.7/46

All: 42.501+/-0.004 χ^2/NDF: 9335245.8/96

- sign 42.770+/-0.006 χ^2/NDF: 5223830.8/49


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 322.292+/-175.686 χ²/NDF: 29.1/21
Left Out: 195.029+/-70.093 χ²/NDF:48.6/24
Right Out: 421.078+/-170.502 χ²/NDF: 23.1/26
Left In: 4.015+/-71.981 χ²/NDF:32.4/22
+ sign 212.504+/-65.103 χ²/NDF: 78.1/46
All: 141.144+/-46.457 χ²/NDF: 141.2/96
- sign 67.103+/-66.314 χ²/NDF: 60.6/49

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 545.671+/-0.124 χ^2/NDF: 3585629.5/21

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 552.634+/-0.121 χ^2/NDF: 4428358.8/26

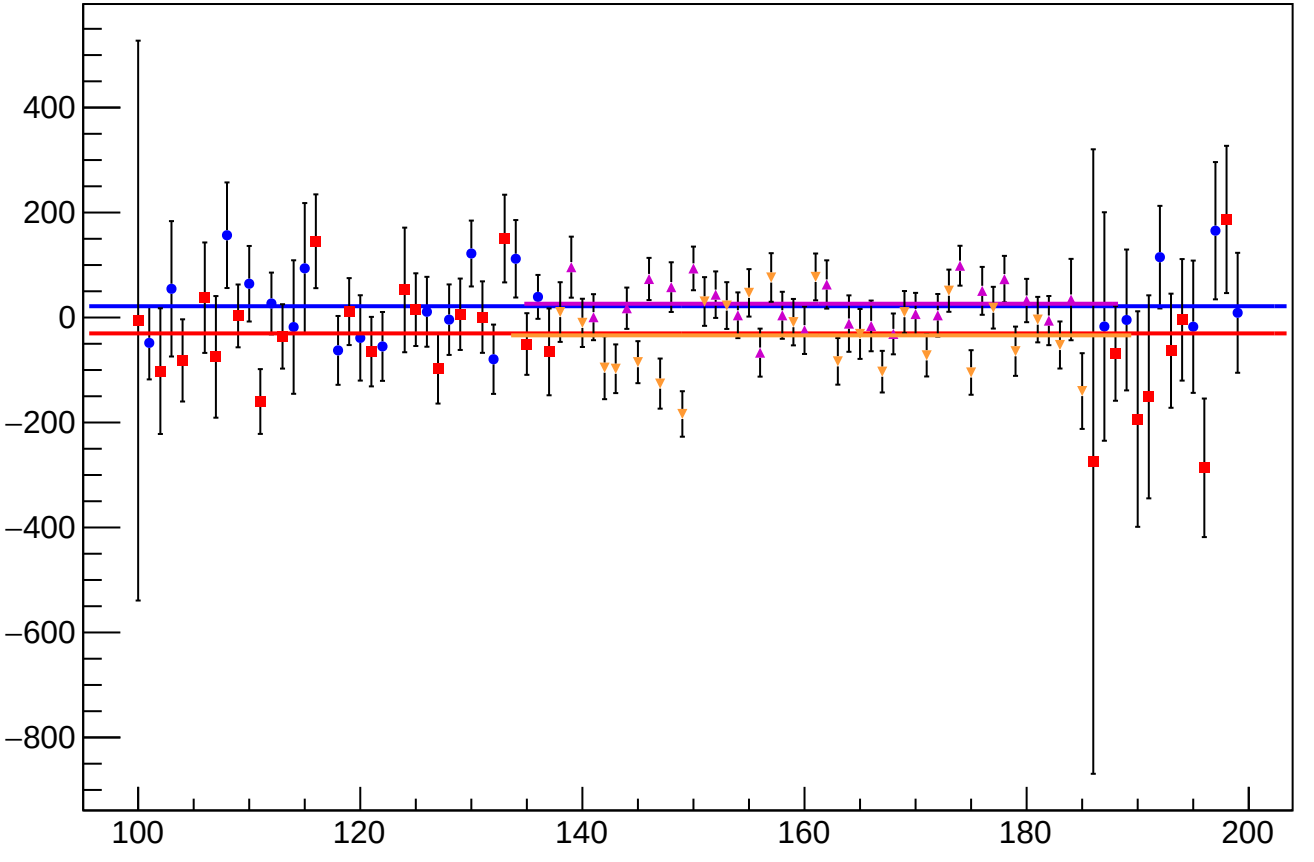
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 333.715+/-0.046 χ^2/NDF: 8768530.9/46

All: 336.340+/-0.033 χ^2/NDF: 18307999.4/96

- sign 339.064+/-0.047 χ^2/NDF: 9532841.4/49

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 21.525+/-16.539 χ^2/NDF: 16.3/21

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.249+/-16.288 χ^2/NDF: 25.7/26

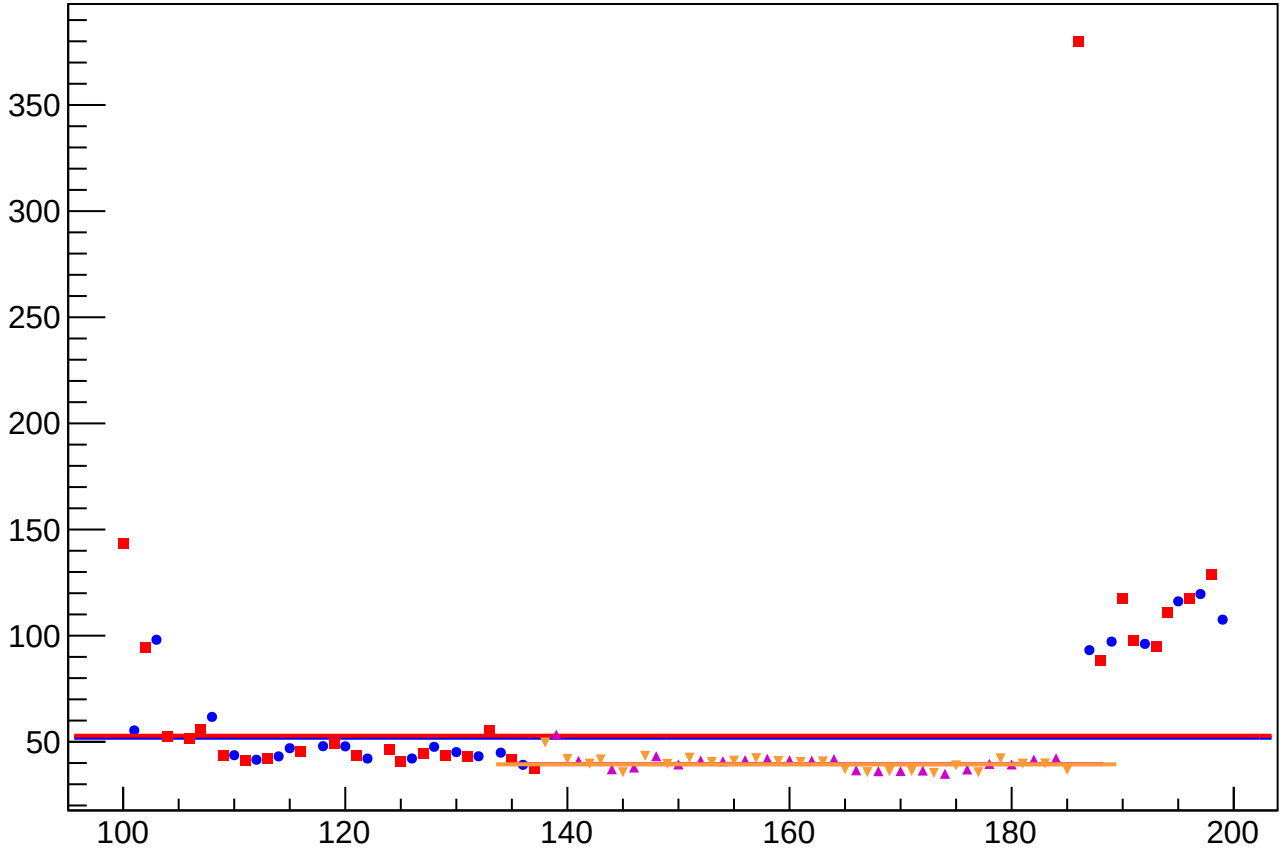
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.294+/-7.901 χ^2/NDF: 83.7/46

All: -4.760+/-5.641 χ^2/NDF: 149.9/96

- sign 12.436+/-8.058 χ^2/NDF: 57.3/49

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 51.917+/-0.012 χ^2/NDF: 2991649.6/21

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

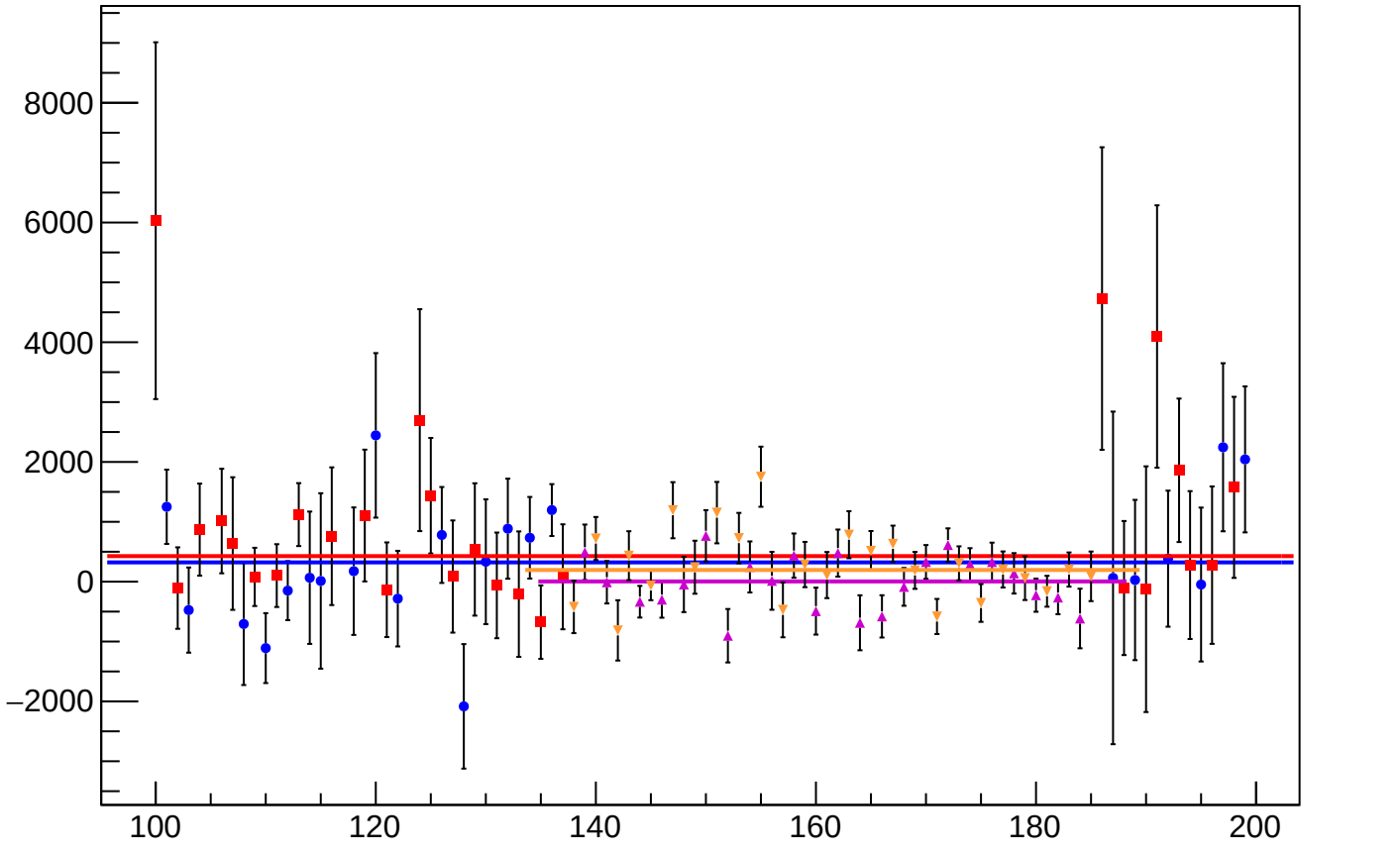
Right Out: 52.869+/-0.012 χ^2/NDF: 3950321.2/26

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.243+/-0.006 χ^2/NDF: 4107055.6/46

All: 42.499+/-0.004 χ^2/NDF: 9332483.5/96

- sign 42.765+/-0.006 χ^2/NDF: 5221153.5/49



Right In: 322.296+/-175.687 χ^2/NDF: 29.1/21

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 426.861+/-171.526 χ^2/NDF: 23.4/26

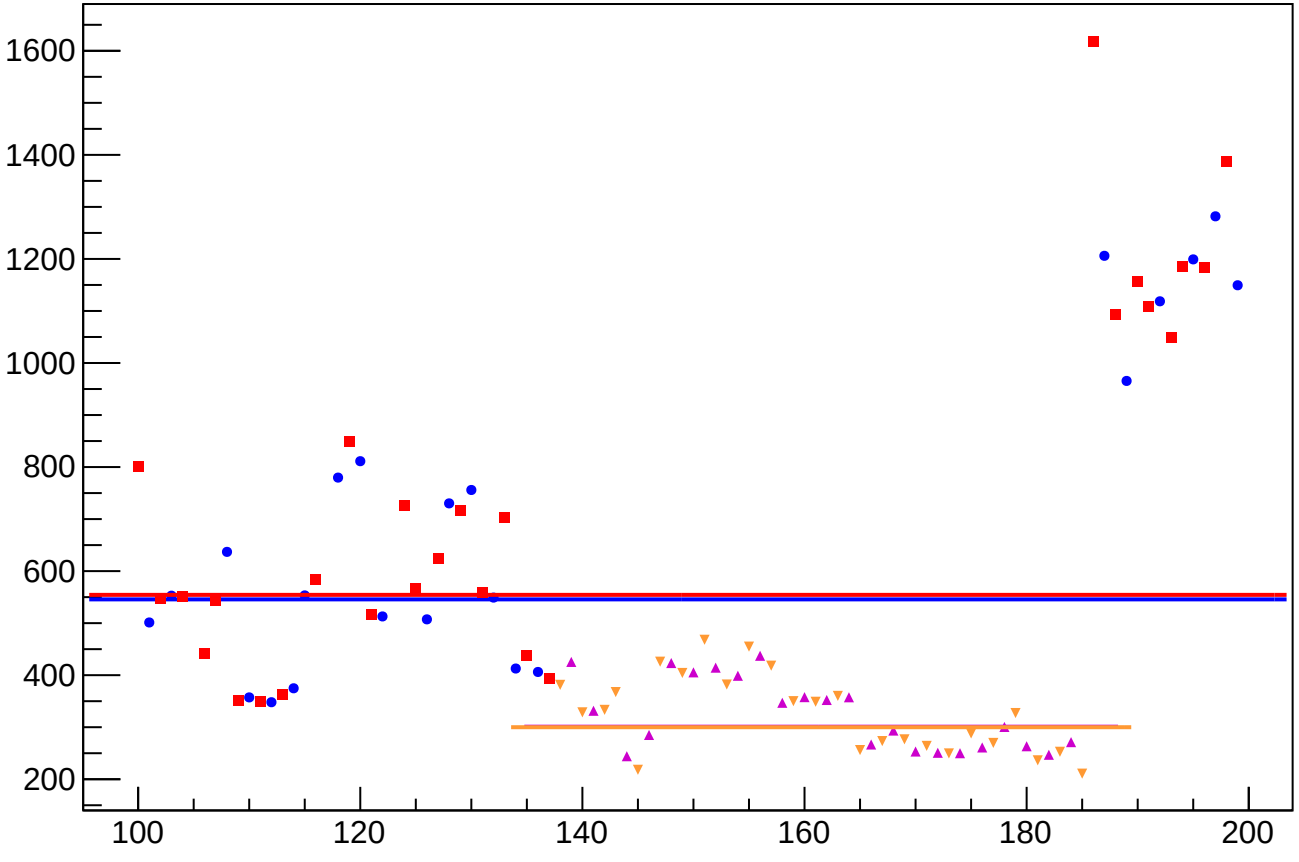
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 212.504+/-65.103 χ^2/NDF: 78.1/46

All: 141.320+/-46.477 χ^2/NDF: 141.5/96

- sign 67.330+/-66.373 χ^2/NDF: 60.9/49

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 545.674+/-0.124 χ^2/NDF: 3585637.4/21

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 554.359+/-0.121 χ^2/NDF: 4412322.1/26

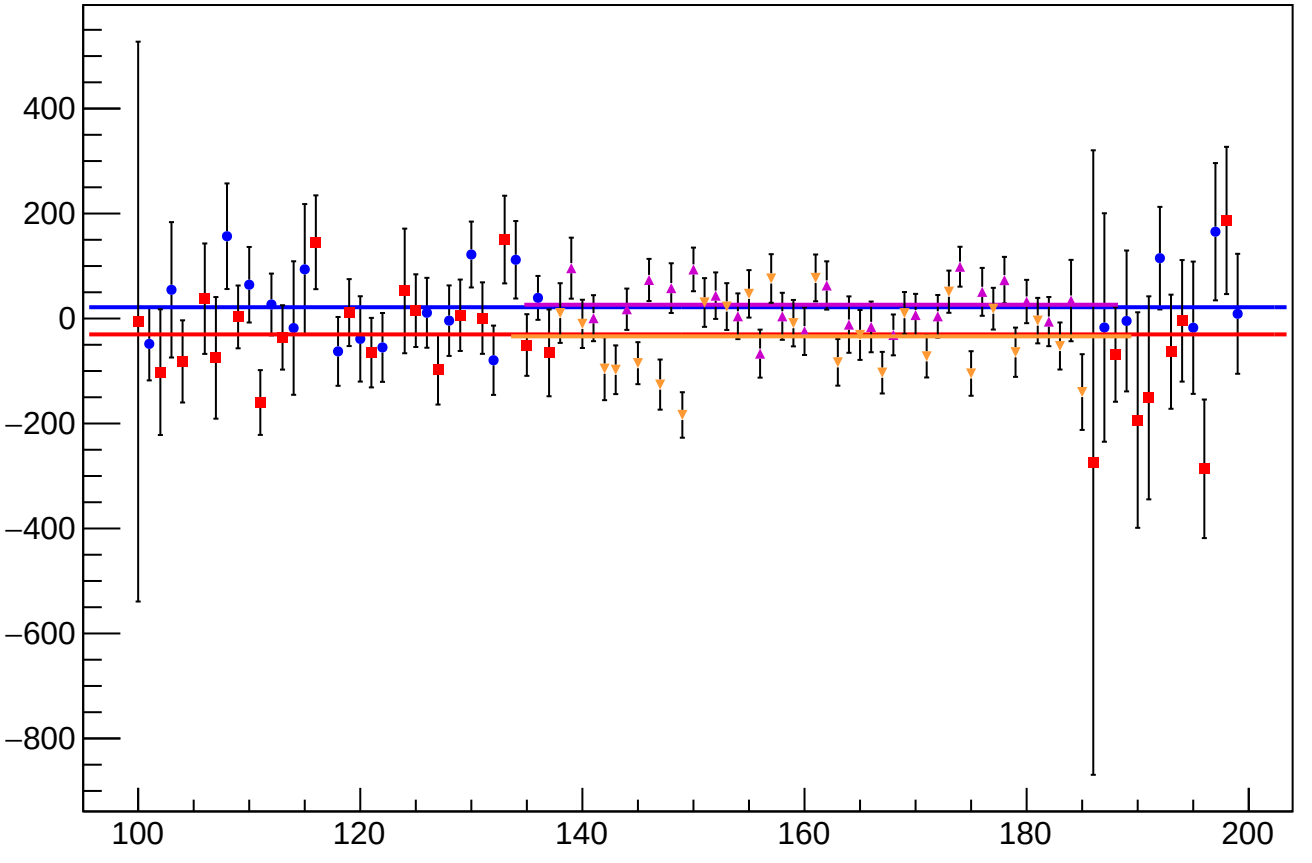
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 333.715+/-0.046 χ^2/NDF: 8768572.7/46

All: 336.275+/-0.033 χ^2/NDF: 18304603.2/96

- sign 338.937+/-0.047 χ^2/NDF: 9529721.2/49

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 21.525+/-16.539 χ^2/NDF: 16.3/21

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.249+/-16.288 χ^2/NDF: 25.7/26

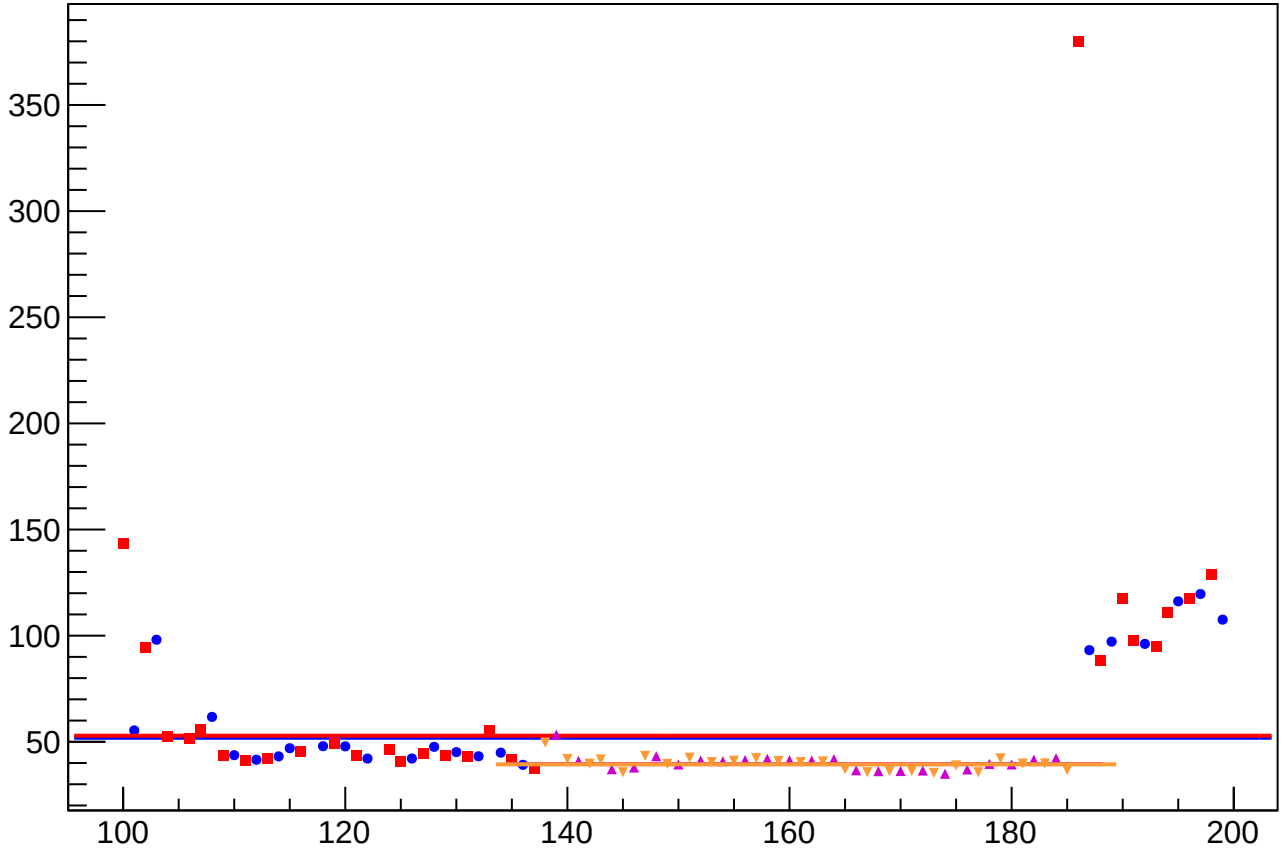
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.294+/-7.901 χ^2/NDF: 83.7/46

All: -4.760+/-5.641 χ^2/NDF: 149.9/96

- sign 12.436+/-8.058 χ^2/NDF: 57.3/49

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 51.917+/-0.012 χ^2/NDF: 2991649.6/21

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

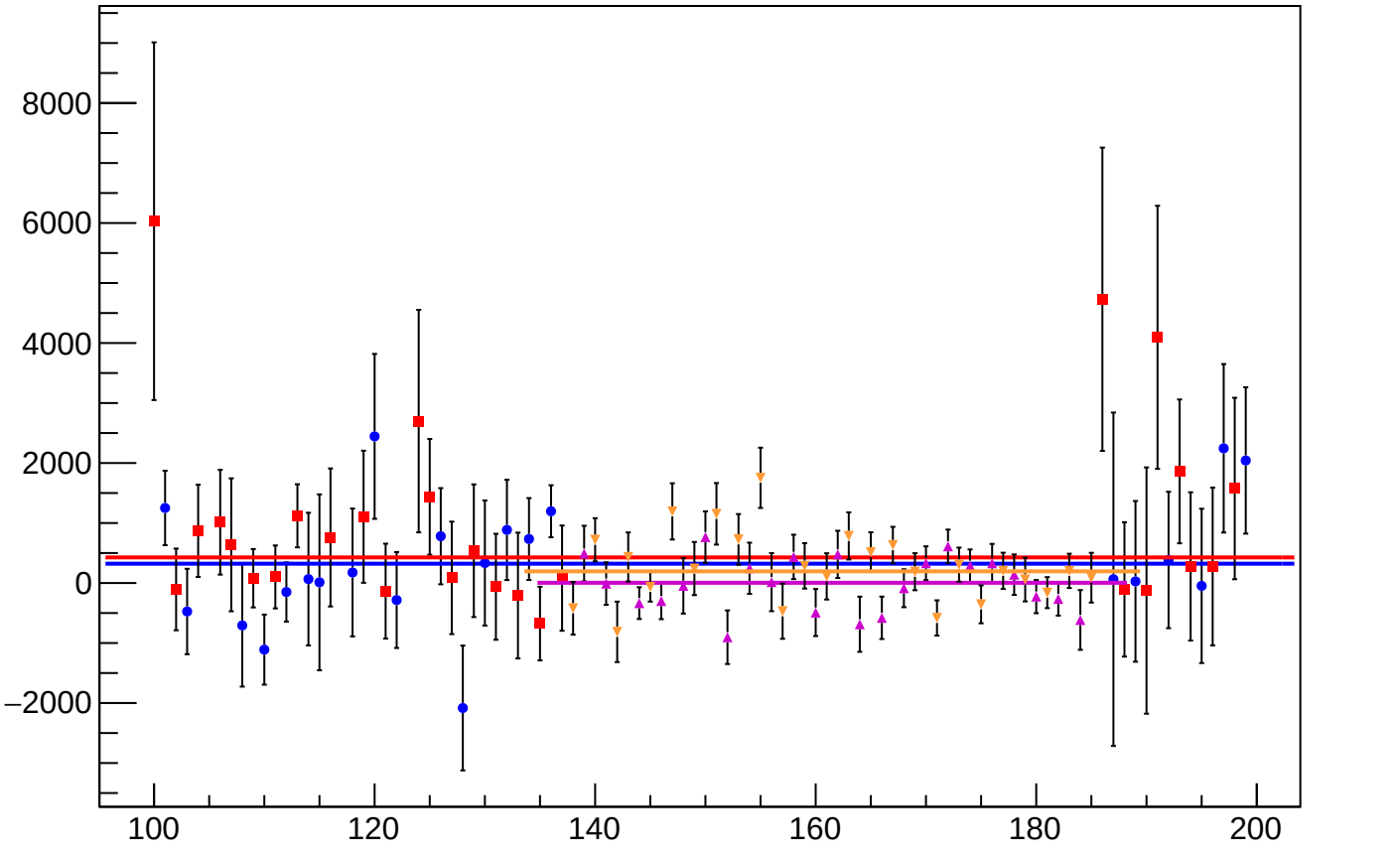
Right Out: 52.869+/-0.012 χ^2/NDF: 3950321.2/26

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.243+/-0.006 χ^2/NDF: 4107055.6/46

All: 42.499+/-0.004 χ^2/NDF: 9332483.5/96

- sign 42.765+/-0.006 χ^2/NDF: 5221153.5/49



Right In: 322.296+/-175.687 χ^2/NDF: 29.1/21

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

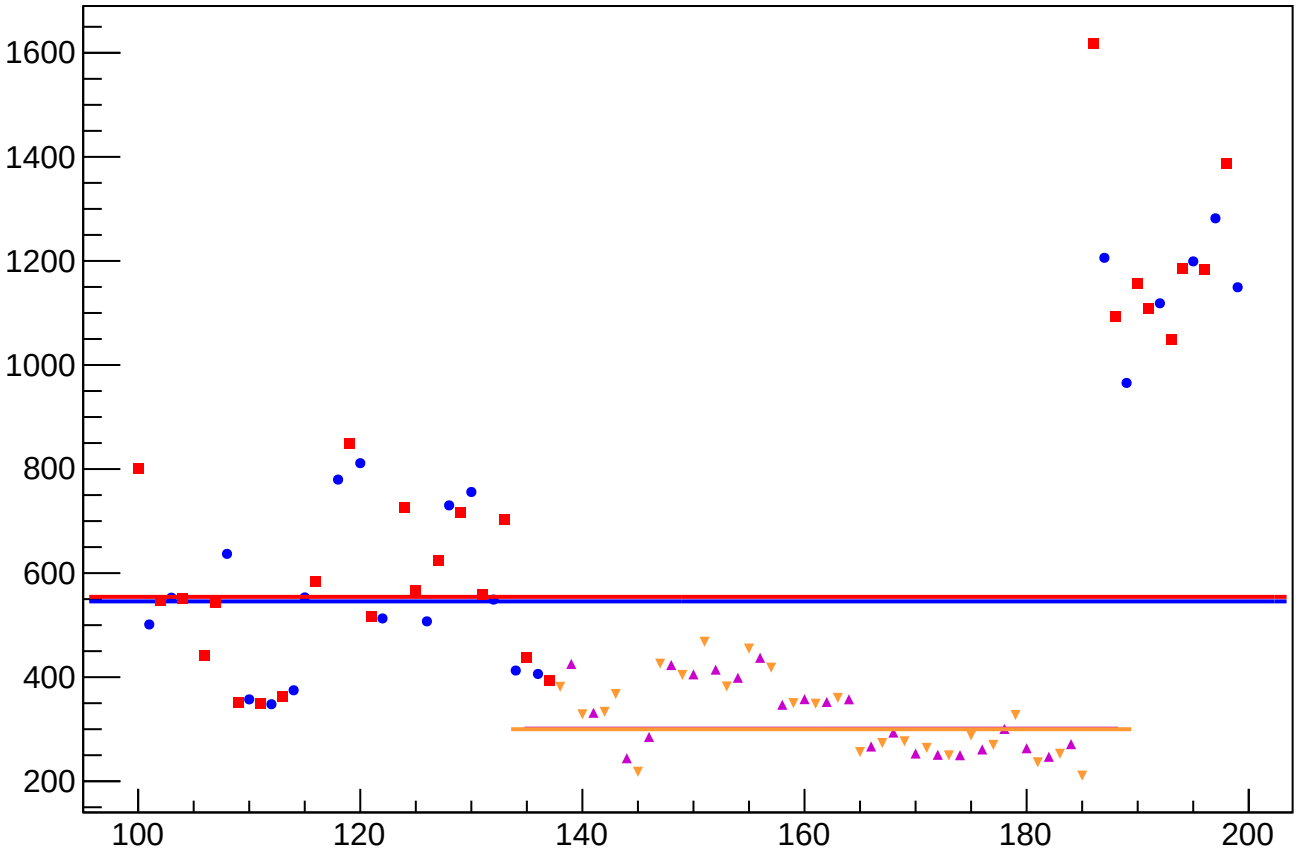
Right Out: 426.861+/-171.526 χ^2/NDF: 23.4/26

Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 212.504+/-65.103 χ^2/NDF: 78.1/46

All: 141.320+/-46.477 χ^2/NDF: 141.5/96

- sign 67.330+/-66.373 χ^2/NDF: 60.9/49



Right In: 545.674+/-0.124 χ^2/NDF: 3585637.4/21

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 554.359+/-0.121 χ^2/NDF: 4412322.1/26

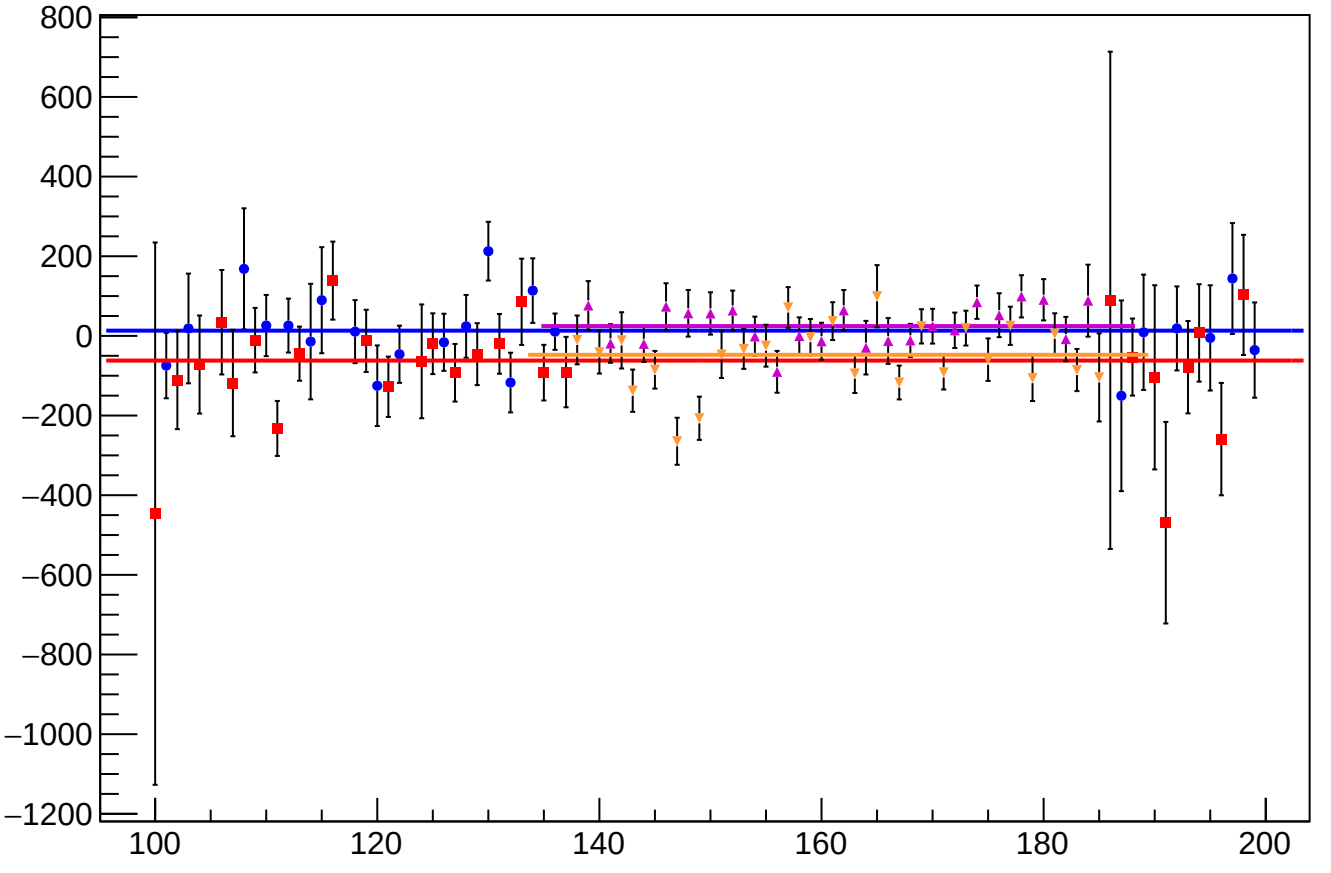
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 333.715+/-0.046 χ^2/NDF: 8768572.7/46

All: 336.275+/-0.033 χ^2/NDF: 18304603.2/96

- sign 338.937+/-0.047 χ^2/NDF: 9529721.2/49

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.174+/-18.660 χ^2/NDF: 18.8/21

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -61.894+/-18.825 χ^2/NDF: 22.3/26

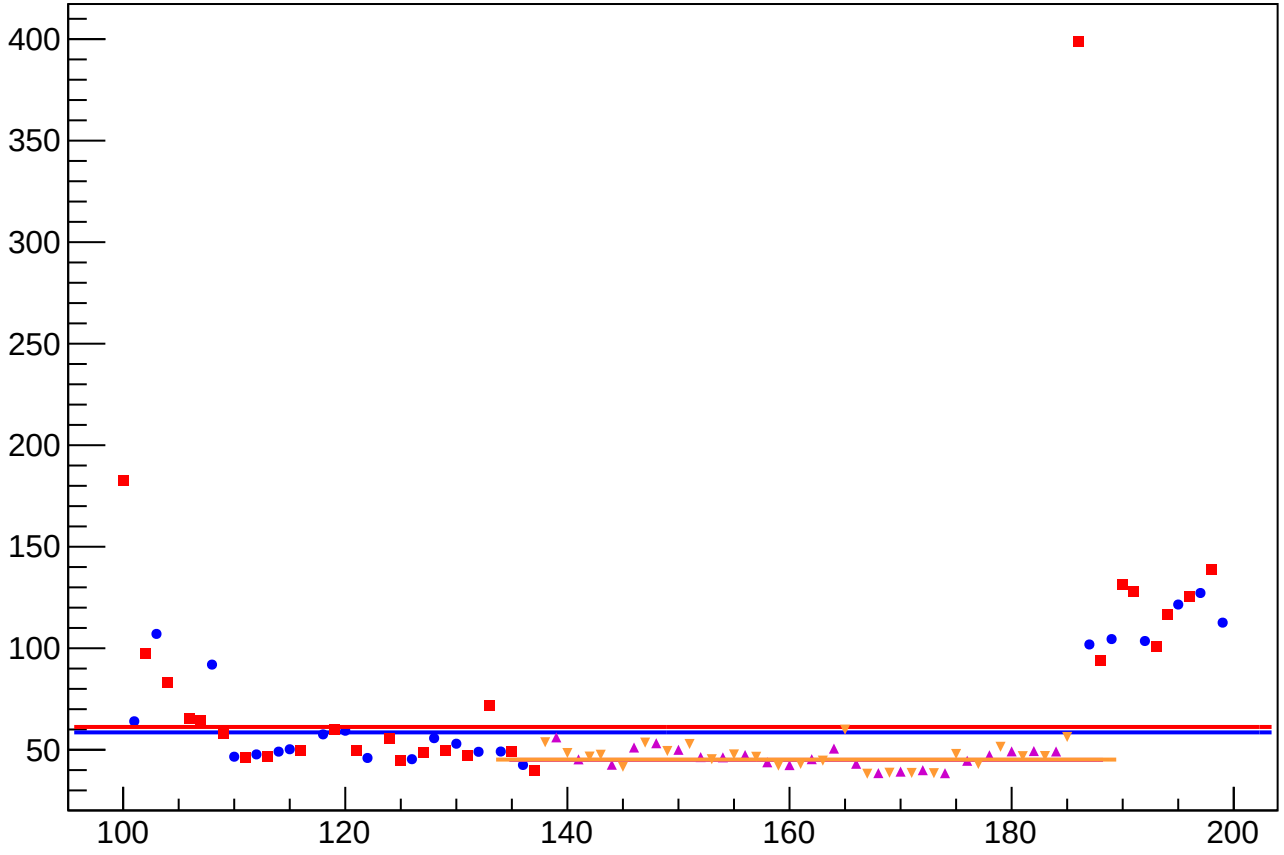
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -33.120+/-9.079 χ^2/NDF: 81.5/46

All: -15.122+/-6.488 χ^2/NDF: 147.6/96

- sign 3.666+/-9.276 χ^2/NDF: 58.0/49

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 58.569+/-0.013 χ^2/NDF: 2901153.0/21

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 61.243+/-0.013 χ^2/NDF: 3770290.3/26

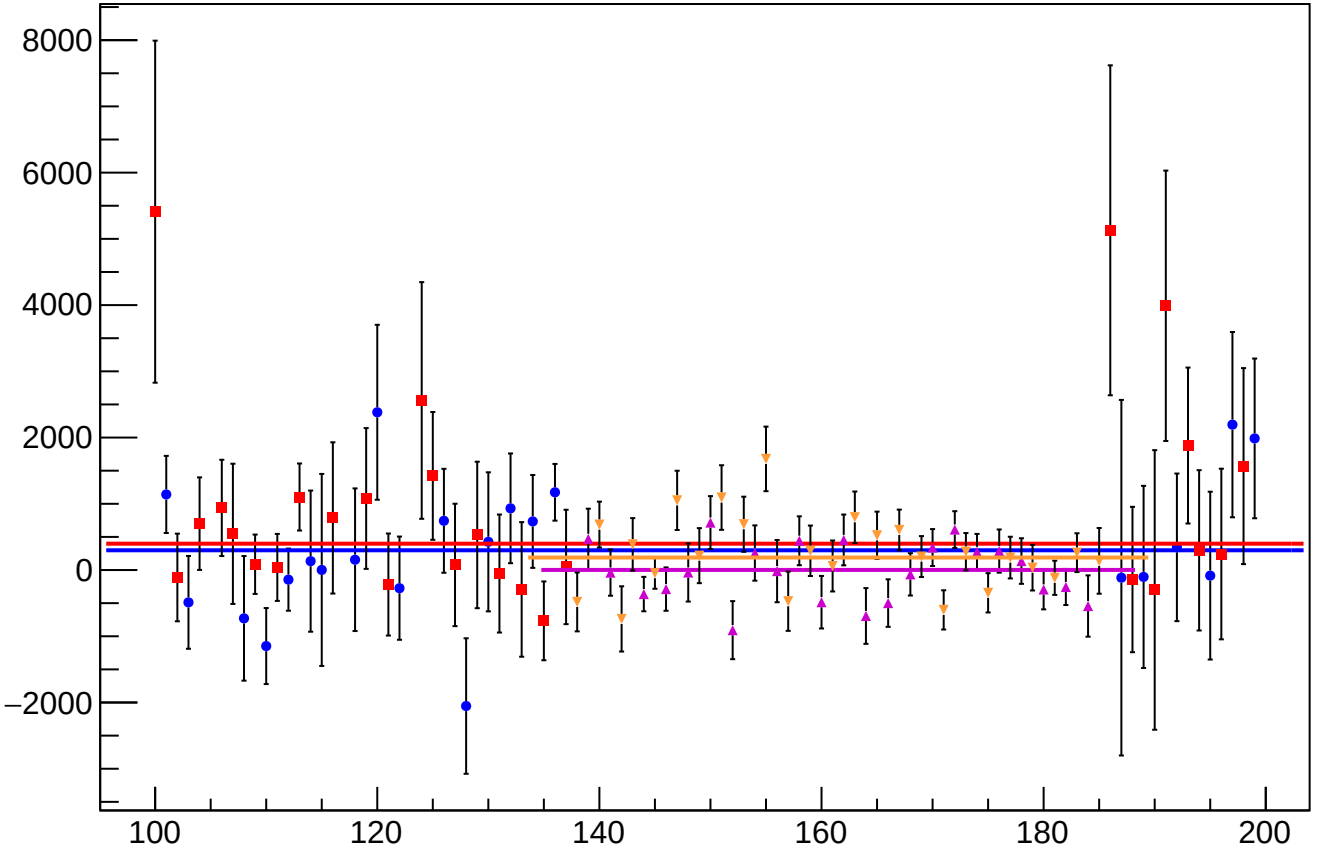
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 48.346+/-0.006 χ^2/NDF: 4177492.1/46

All: 48.645+/-0.005 χ^2/NDF: 9449899.6/96

- sign 48.957+/-0.007 χ^2/NDF: 5267976.3/49

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 298.097+/-171.846 χ^2/NDF: 29.7/21

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 397.813+/-164.201 χ^2/NDF: 25.9/26

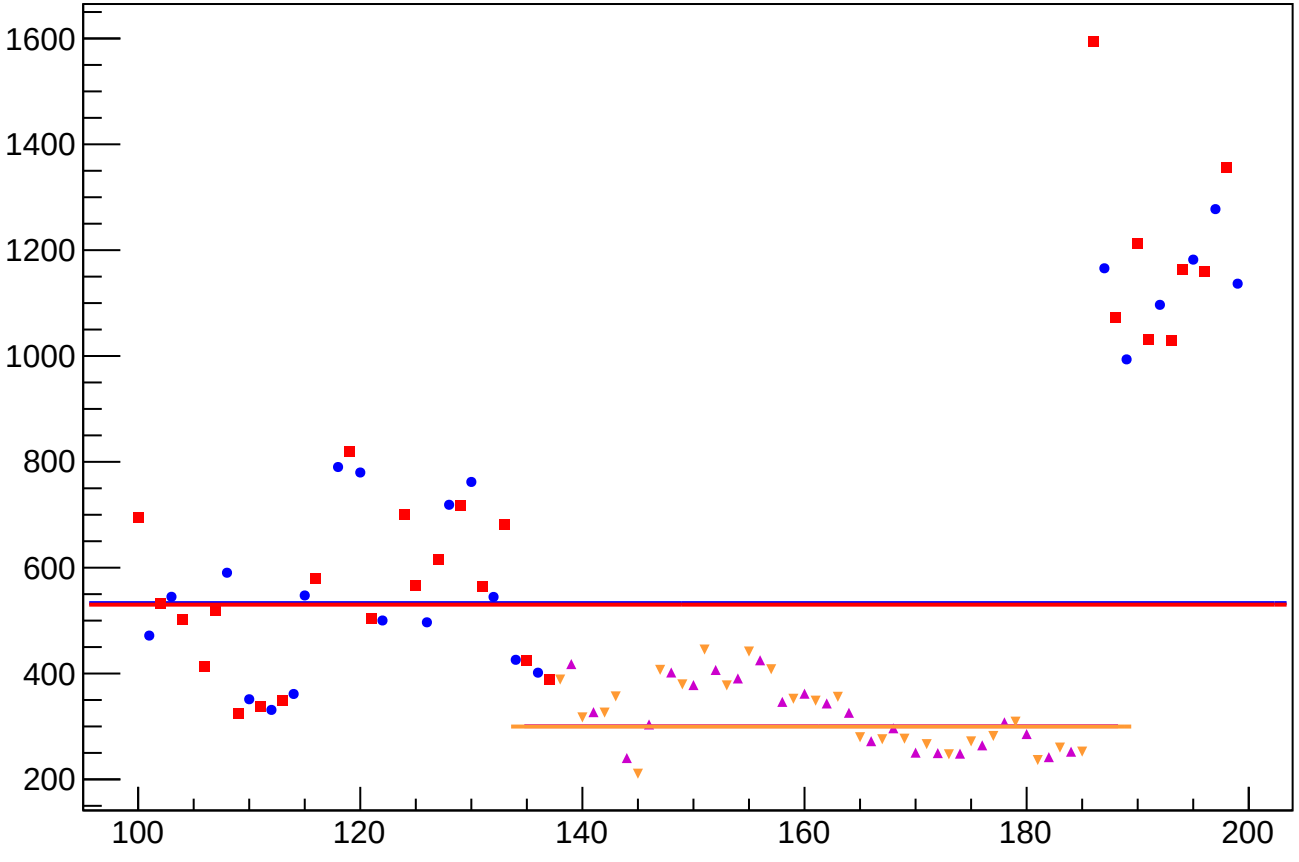
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 204.256+/-64.600 χ^2/NDF: 76.8/46

All: 135.878+/-46.070 χ^2/NDF: 142.1/96

- sign 65.113+/-65.718 χ^2/NDF: 63.1/49

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 533.026+/-0.122 χ^2/NDF: 3681252.0/21

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 530.166+/-0.116 χ^2/NDF: 4634163.7/26

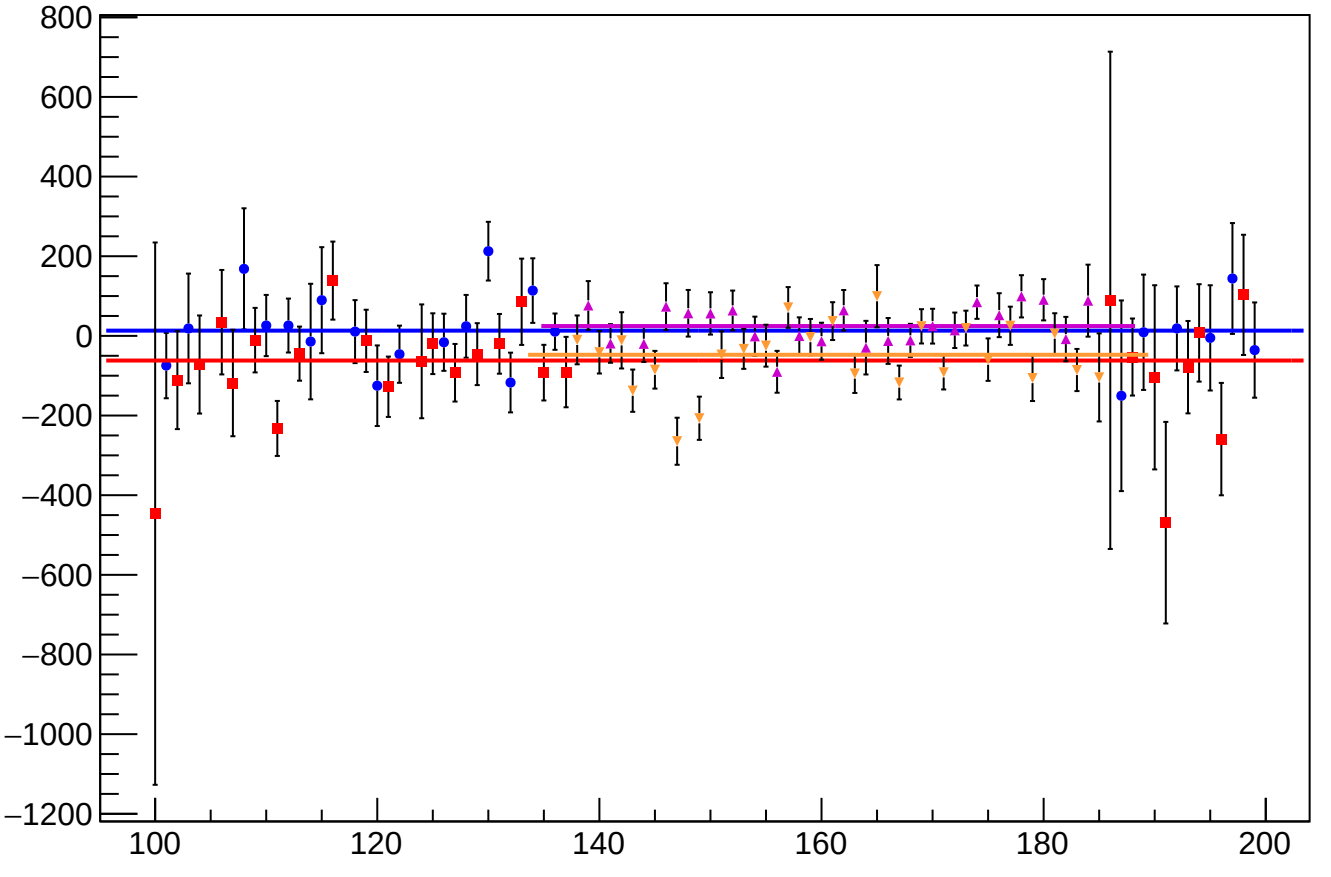
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 332.757+/-0.046 χ^2/NDF: 8422007.4/46

All: 335.002+/-0.033 χ^2/NDF: 17605011.0/96

- sign 337.326+/-0.046 χ^2/NDF: 9178087.0/49

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 13.174+/-18.660 χ^2/NDF: 18.8/21

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -61.895+/-18.825 χ^2/NDF: 22.3/26

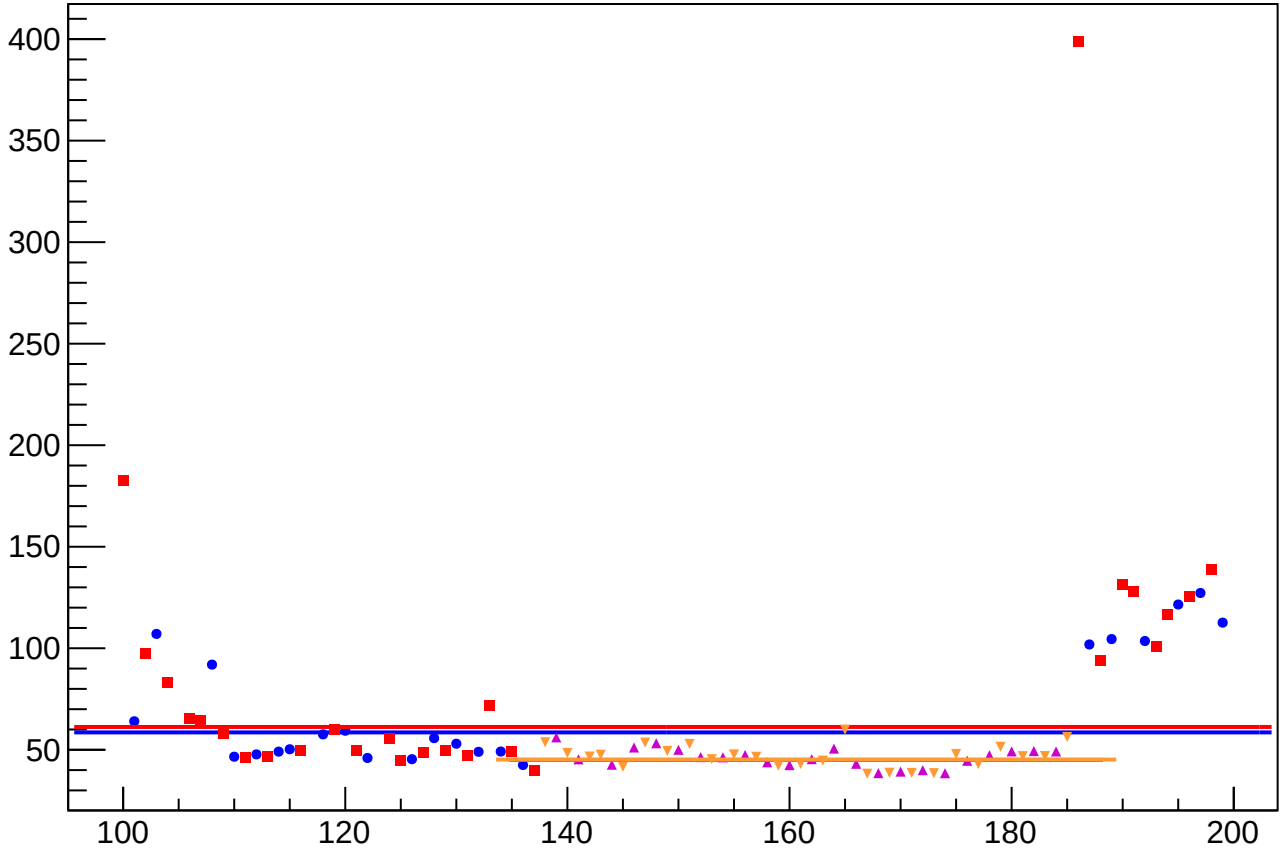
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -33.121+/-9.079 χ^2/NDF: 81.5/46

All: -15.122+/-6.488 χ^2/NDF: 147.6/96

- sign 3.666+/-9.276 χ^2/NDF: 58.0/49

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 58.569+/-0.013 χ^2/NDF: 2901159.4/21

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

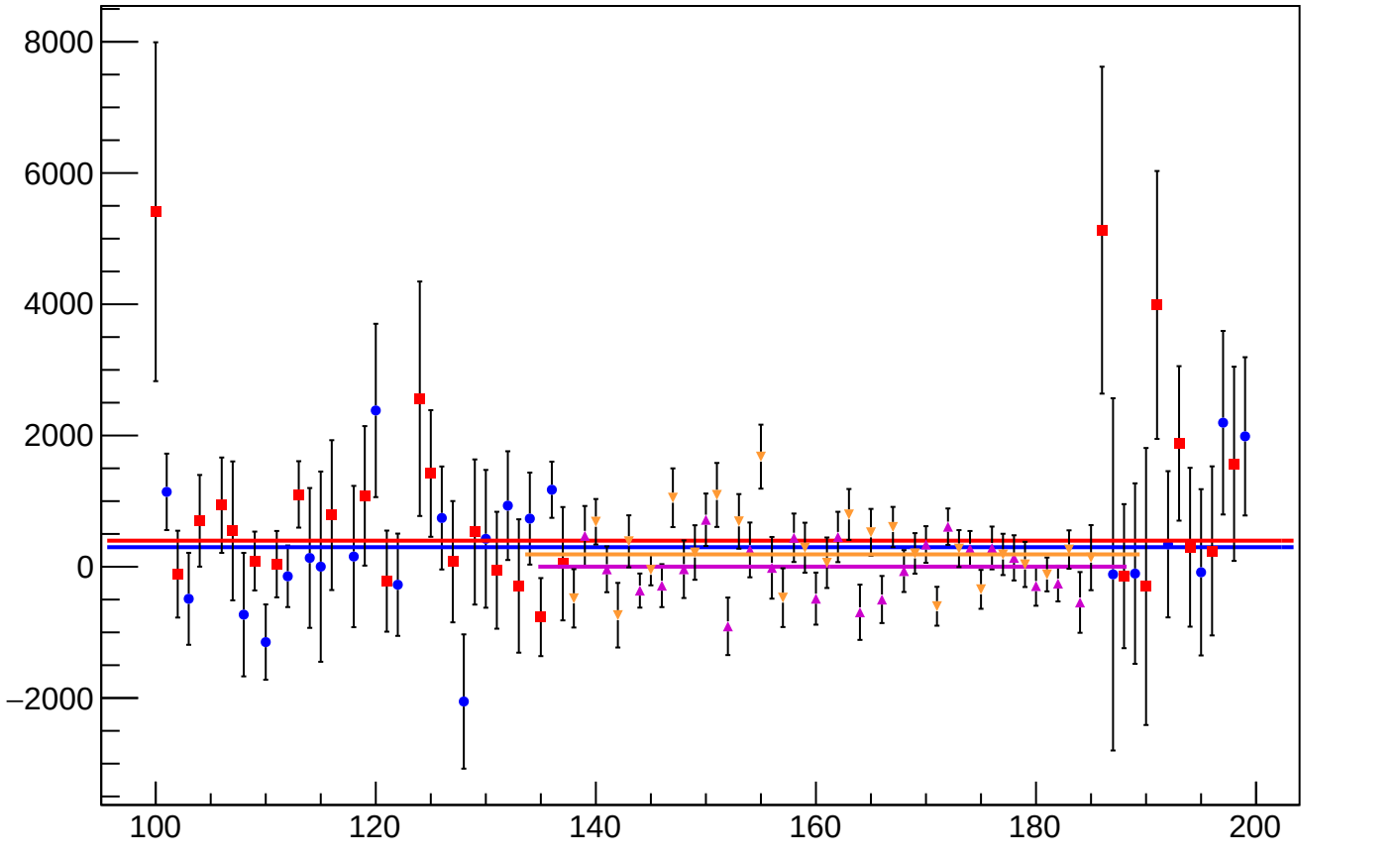
Right Out: 61.243+/-0.013 χ^2/NDF: 3770295.0/26

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 48.346+/-0.006 χ^2/NDF: 4177500.5/46

All: 48.645+/-0.005 χ^2/NDF: 9449916.1/96

- sign 48.957+/-0.007 χ^2/NDF: 5267983.9/49



Right In: 298.096+/-171.846 χ^2/NDF: 29.7/21

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

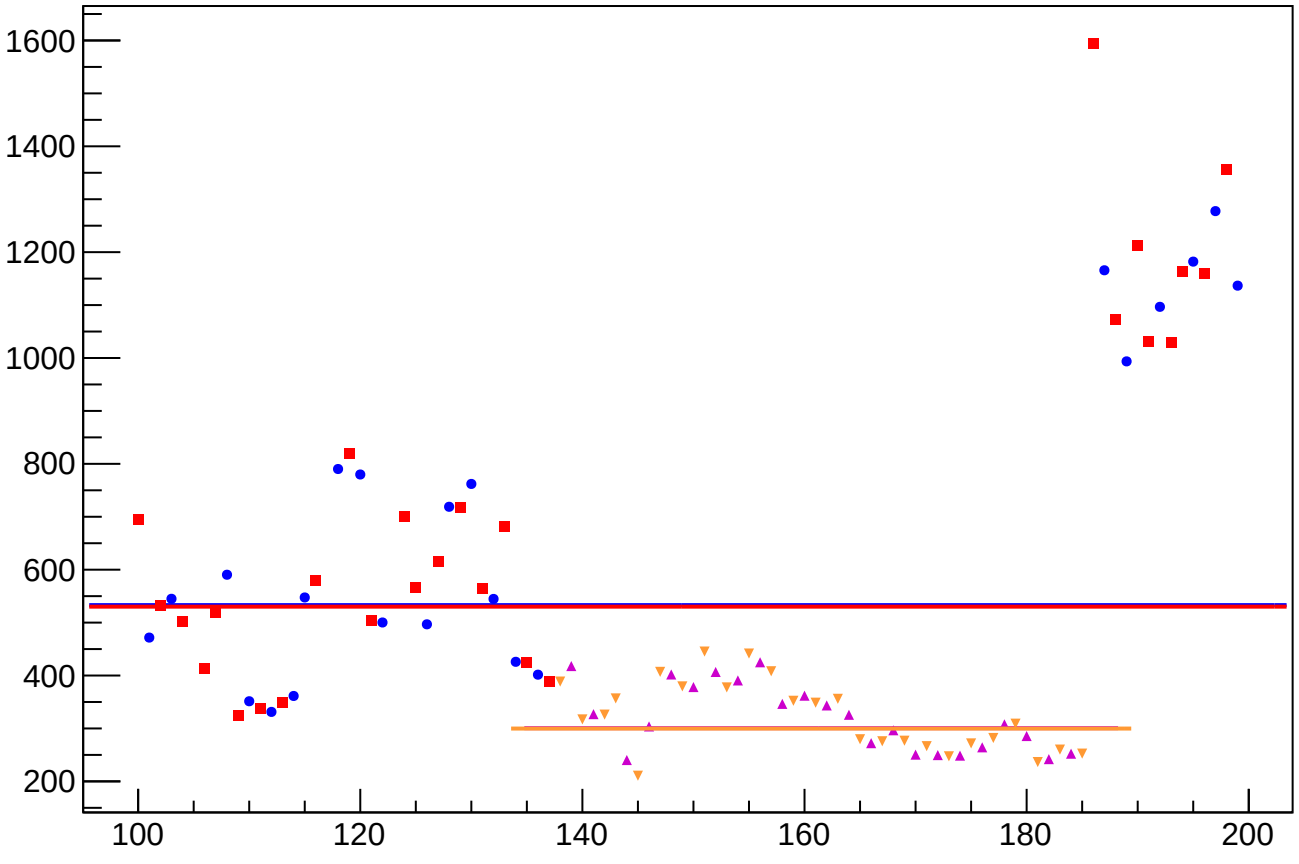
Right Out: 397.813+/-164.201 χ^2/NDF: 25.9/26

Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 204.256+/-64.600 χ^2/NDF: 76.8/46

All: 135.878+/-46.070 χ^2/NDF: 142.1/96

- sign 65.113+/-65.718 χ^2/NDF: 63.1/49



Right In: 533.025+/-0.122 χ^2/NDF: 3681258.7/21

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 530.165+/-0.116 χ^2/NDF: 4634166.3/26

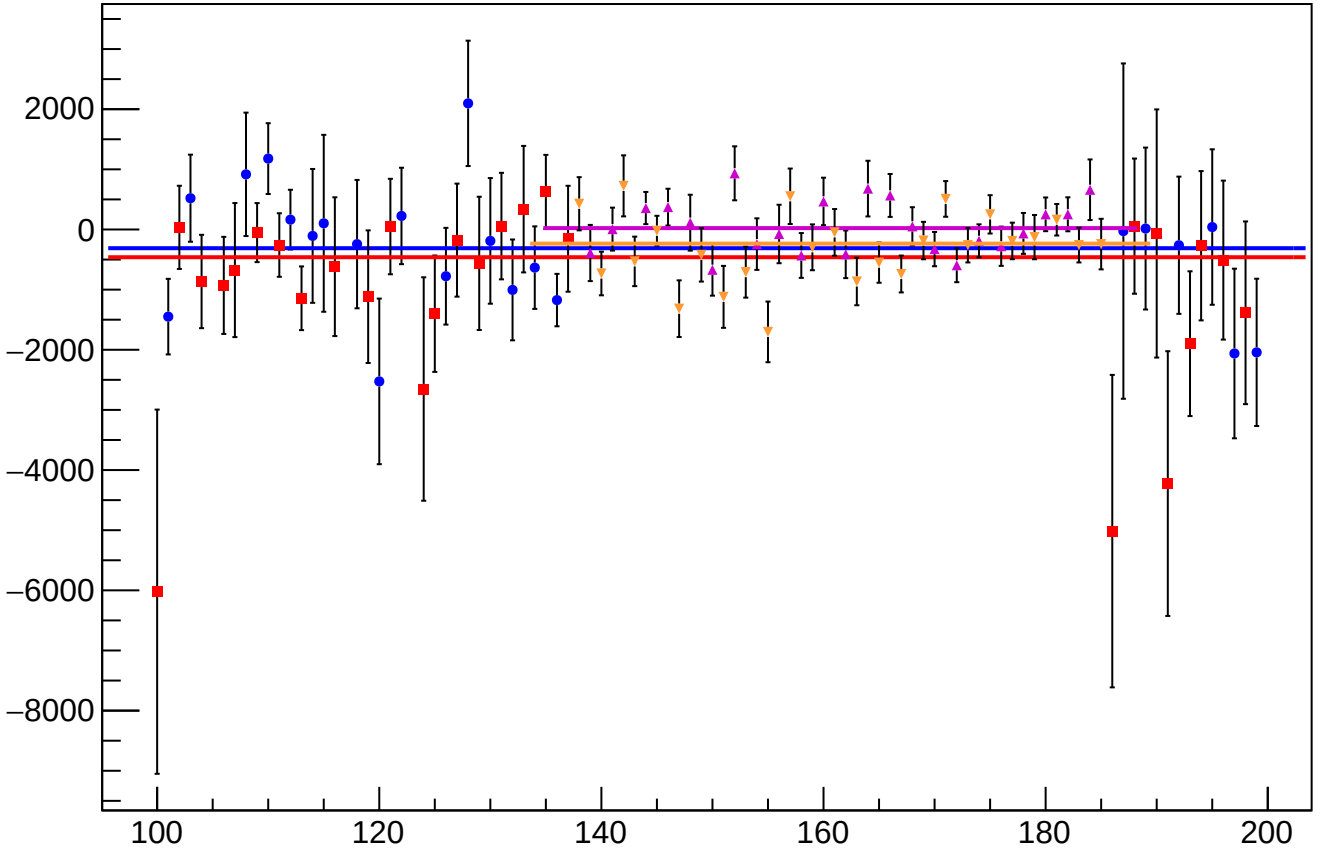
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 332.757+/-0.046 χ^2/NDF: 8421992.0/46

All: 335.002+/-0.033 χ^2/NDF: 17604963.7/96

- sign 337.326+/-0.046 χ^2/NDF: 9178054.8/49

asym_sam_15_37_dd_mean vs Slug



Right In: -311.316+/-176.833 χ^2/NDF: 30.7/21

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -461.160+/-172.014 χ^2/NDF: 22.5/26

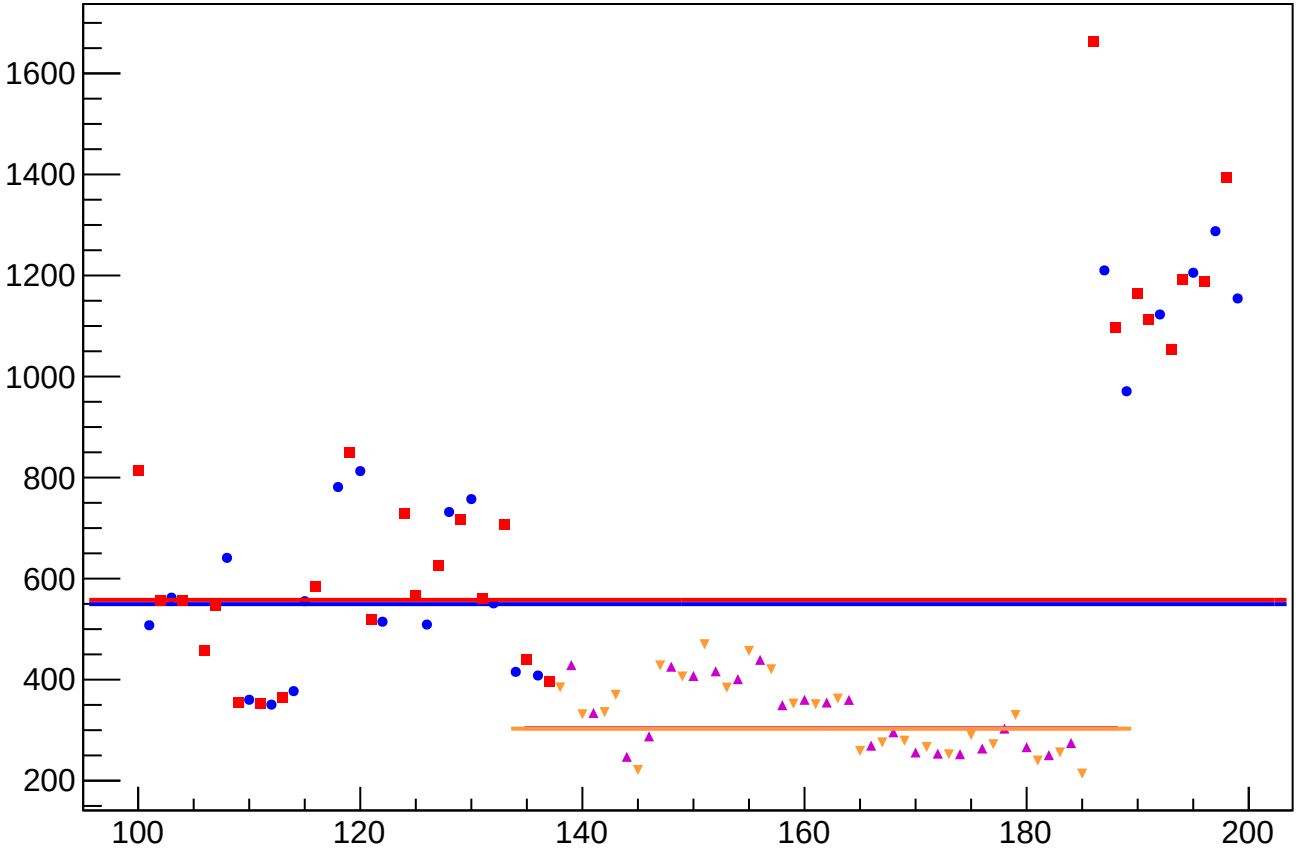
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -245.673+/-65.681 χ^2/NDF: 78.3/46

All: -149.942+/-46.875 χ^2/NDF: 141.7/96

- sign -50.564+/-66.920 χ^2/NDF: 59.0/49

asym_sam_15_37_dd_rms vs Slug



Right In: 549.461+/-0.125 χ^2/NDF: 3569447.3/21

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

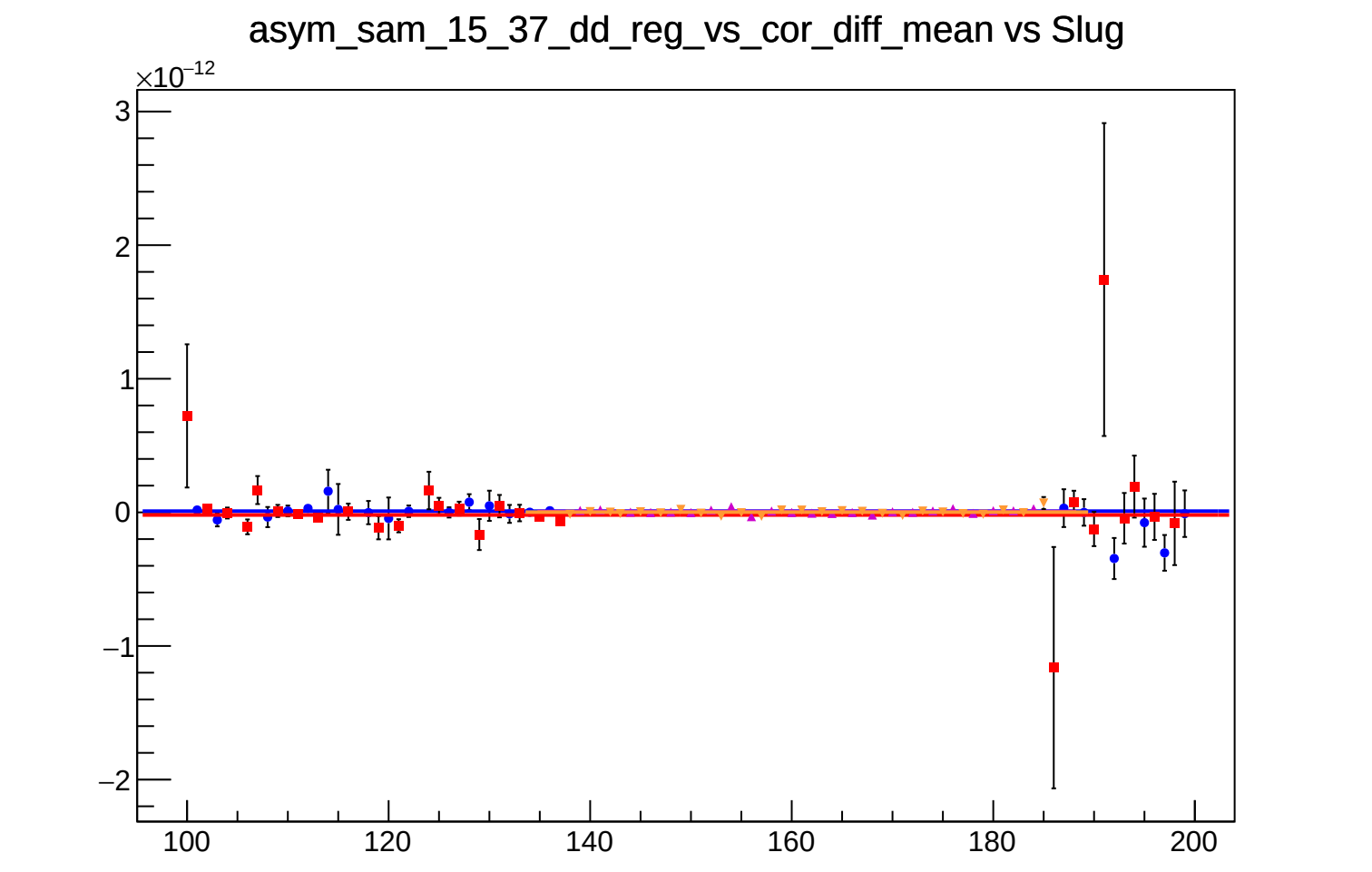
Right Out: 557.883+/-0.122 χ^2/NDF: 4398241.9/26

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 336.952+/-0.046 χ^2/NDF: 8686122.0/46

All: 339.605+/-0.033 χ^2/NDF: 18166956.6/96

- sign 342.360+/-0.047 χ^2/NDF: 9474183.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

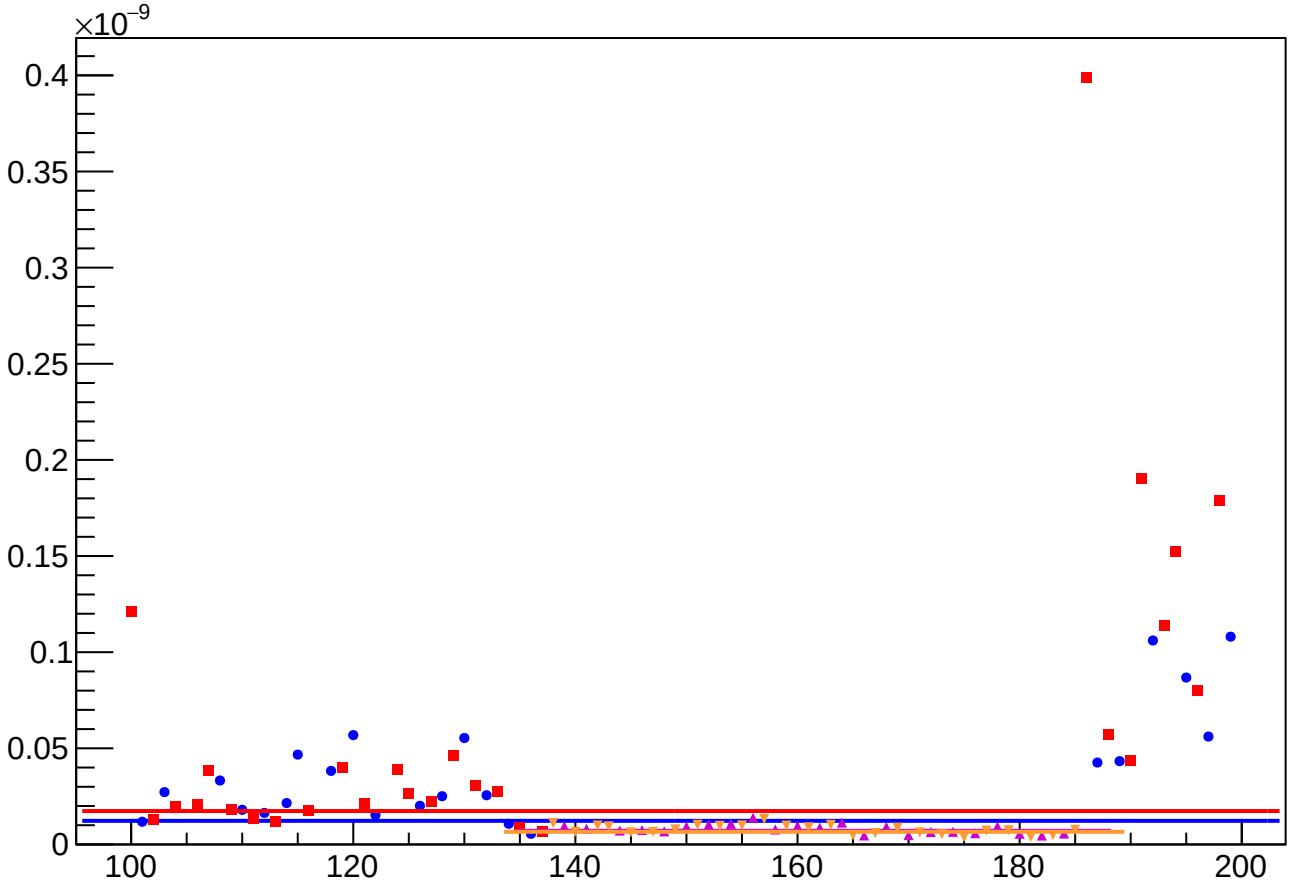
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/26

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/46

All: 0.000+/-0.000 χ^2/NDF: 95.1/96

- sign 0.000+/-0.000 χ^2/NDF: 54.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 4330649.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

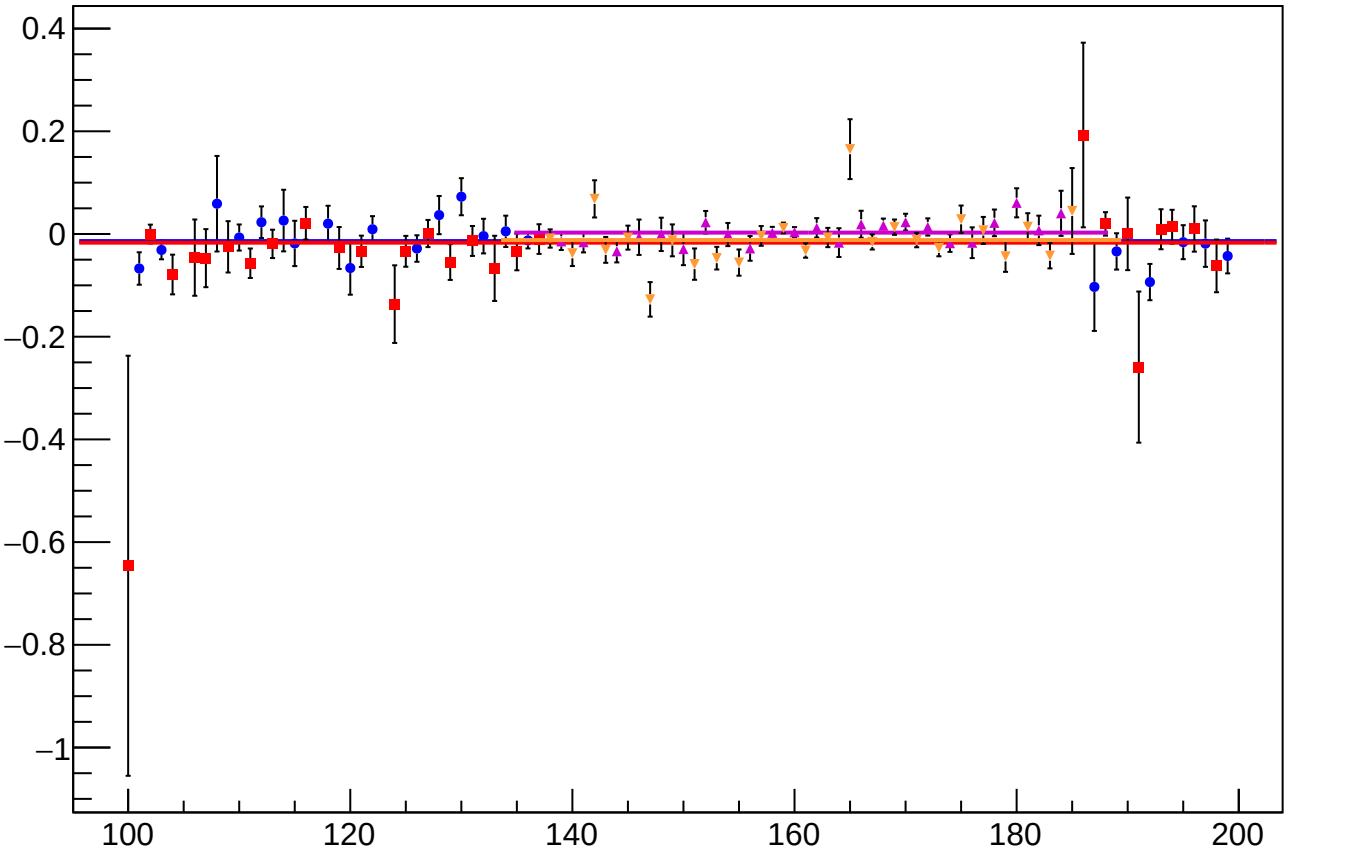
Right Out: 0.000+/-0.000 χ^2/NDF: 4180212.0/26

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6747068.4/46

All: 0.000+/-0.000 χ^2/NDF: 13902921.2/96

- sign 0.000+/-0.000 χ^2/NDF: 7082923.9/49



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/26

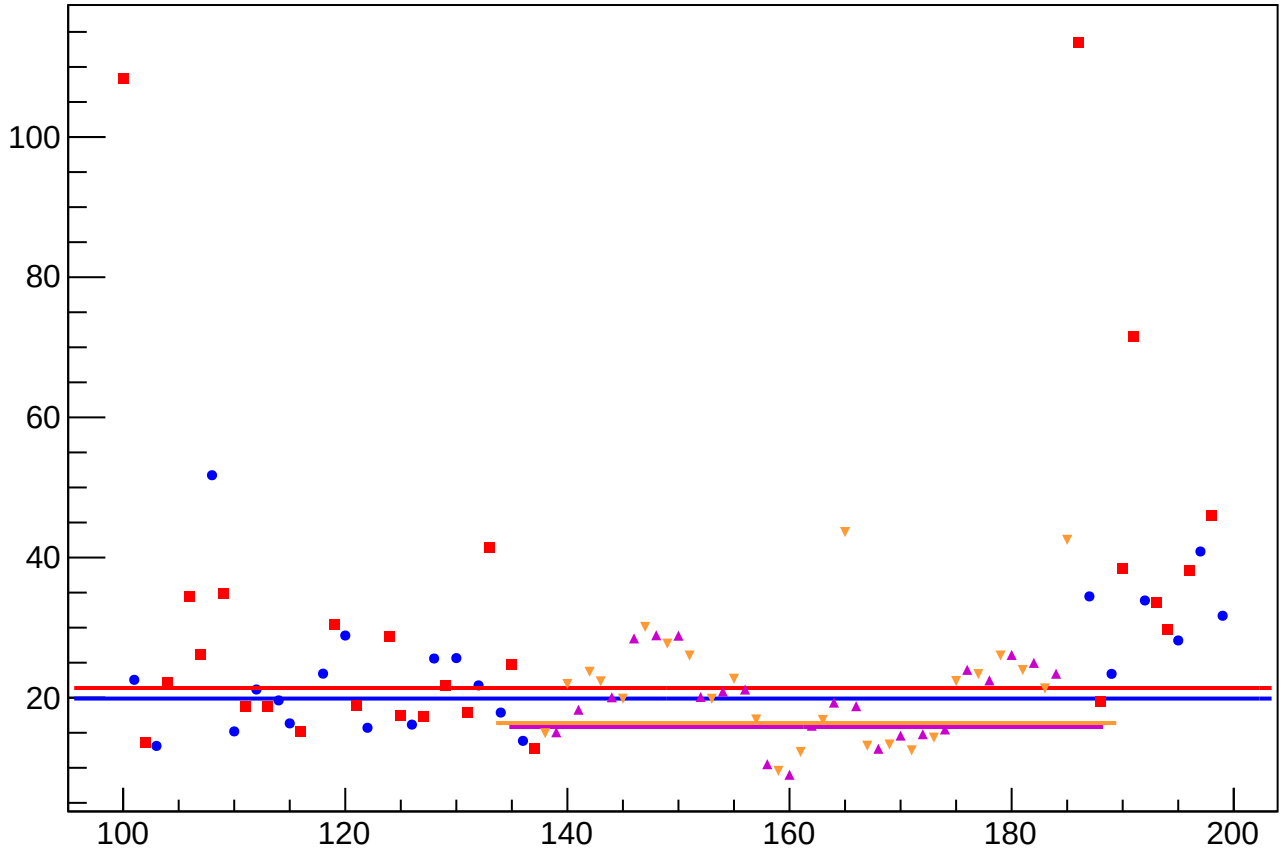
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 78.2/46

All: -0.007+/-0.002 χ^2/NDF: 132.8/96

- 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: 19.881+/-0.005 χ^2/NDF: 2387012.7/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

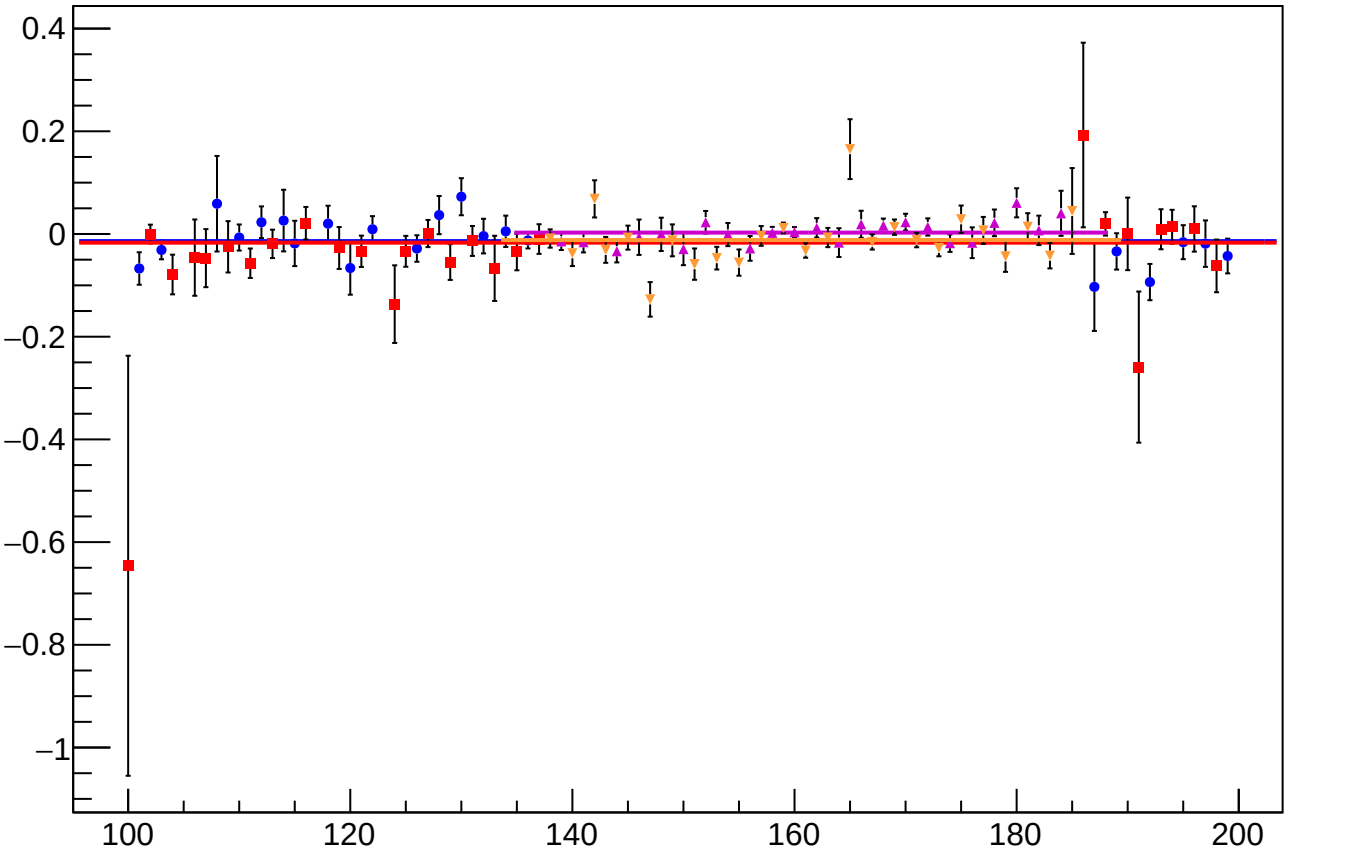
Right Out: 21.385+/-0.005 χ^2/NDF: 3388065.6/26

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.359+/-0.002 χ^2/NDF: 6827651.1/46

All: 17.310+/-0.002 χ^2/NDF: 14850507.6/96

\- sign 17.261+/-0.002 χ^2/NDF: 8022055.1/49



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

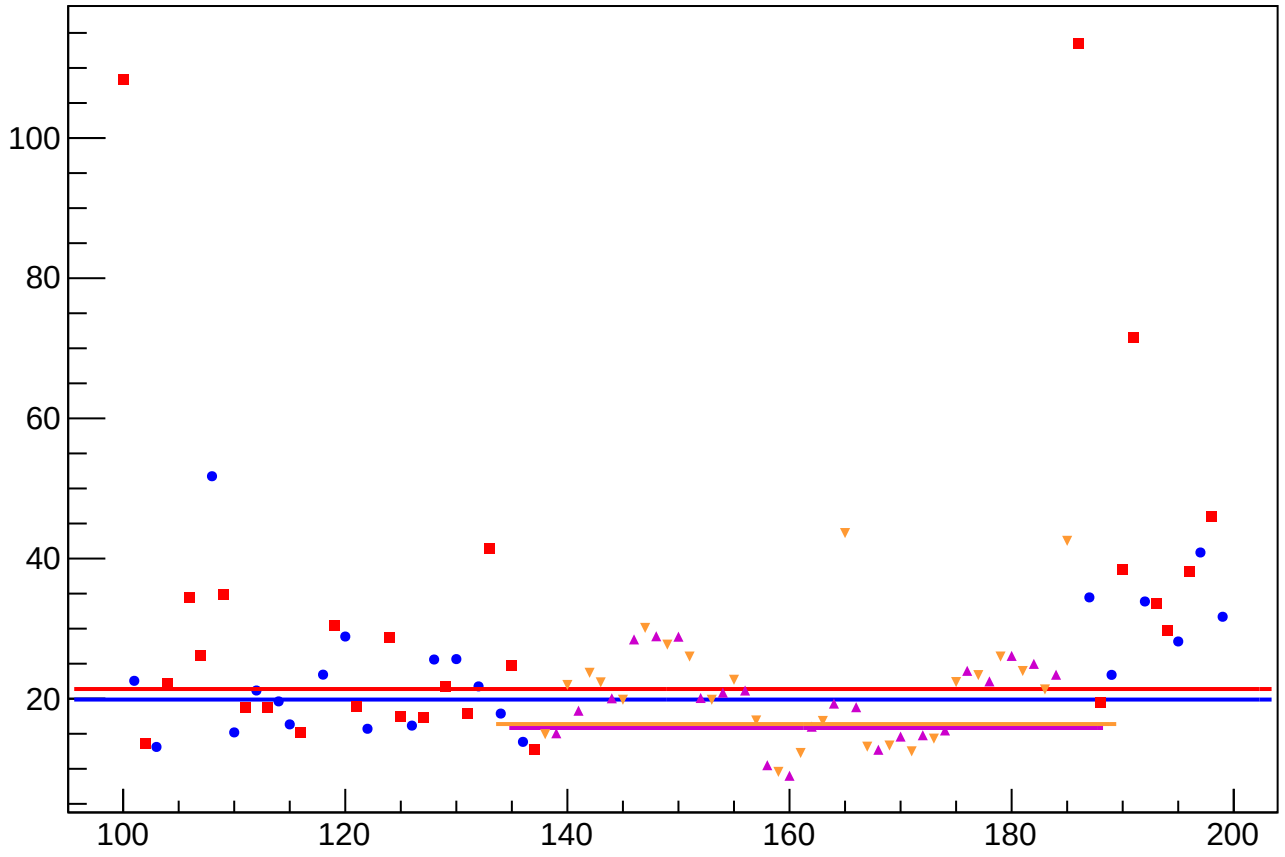
Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 78.2/46

All: -0.007+/-0.002 χ^2/NDF: 132.8/96

- sign -0.002+/-0.003 χ^2/NDF: 50.4/49



Right In: 19.881+/-0.005 χ^2/NDF: 2387012.7/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

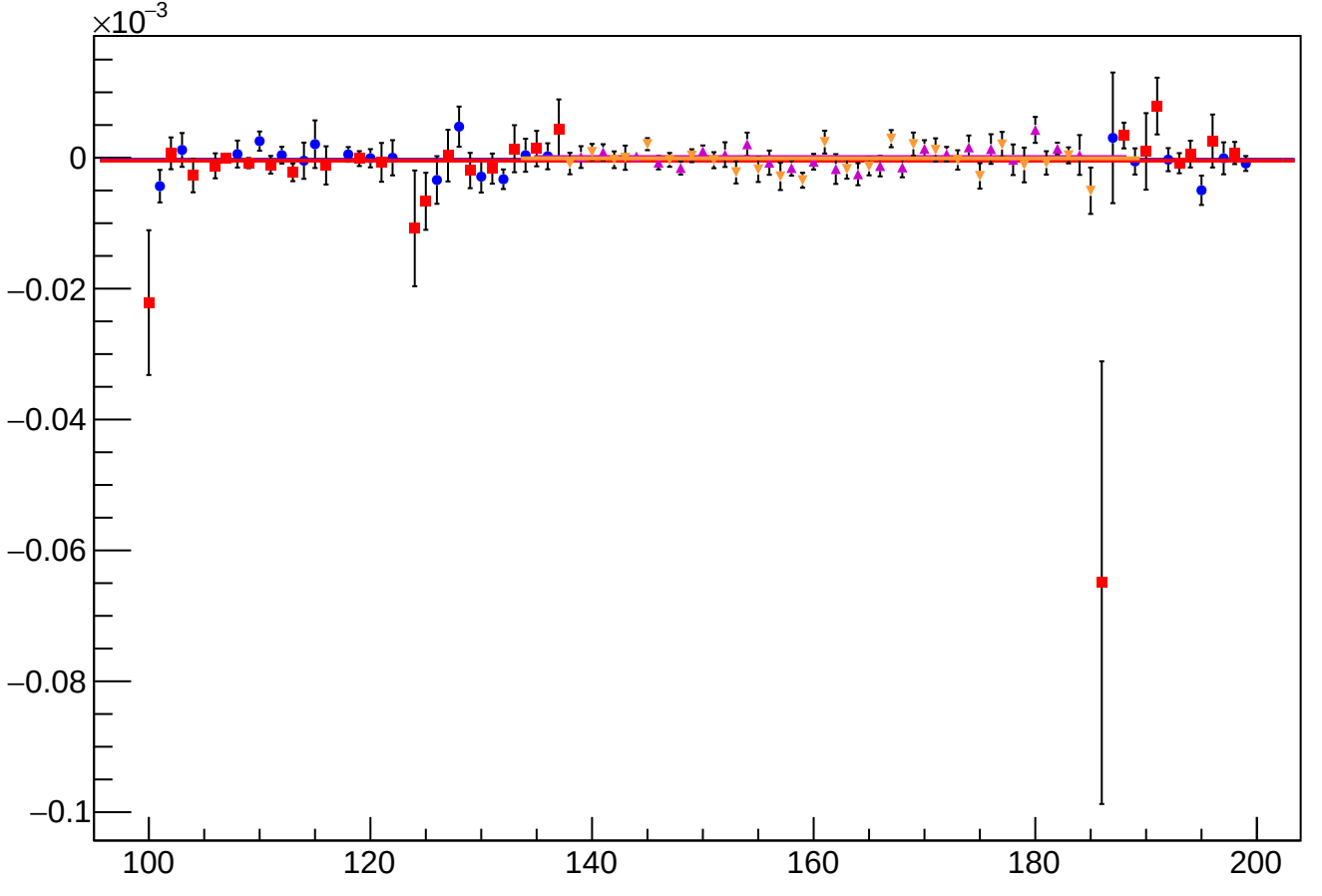
Right Out: 21.385+/-0.005 χ^2/NDF: 3388065.6/26

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.359+/-0.002 χ^2/NDF: 6827651.1/46

All: 17.310+/-0.002 χ^2/NDF: 14850507.6/96

- sign 17.261+/-0.002 χ^2/NDF: 8022055.1/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/26

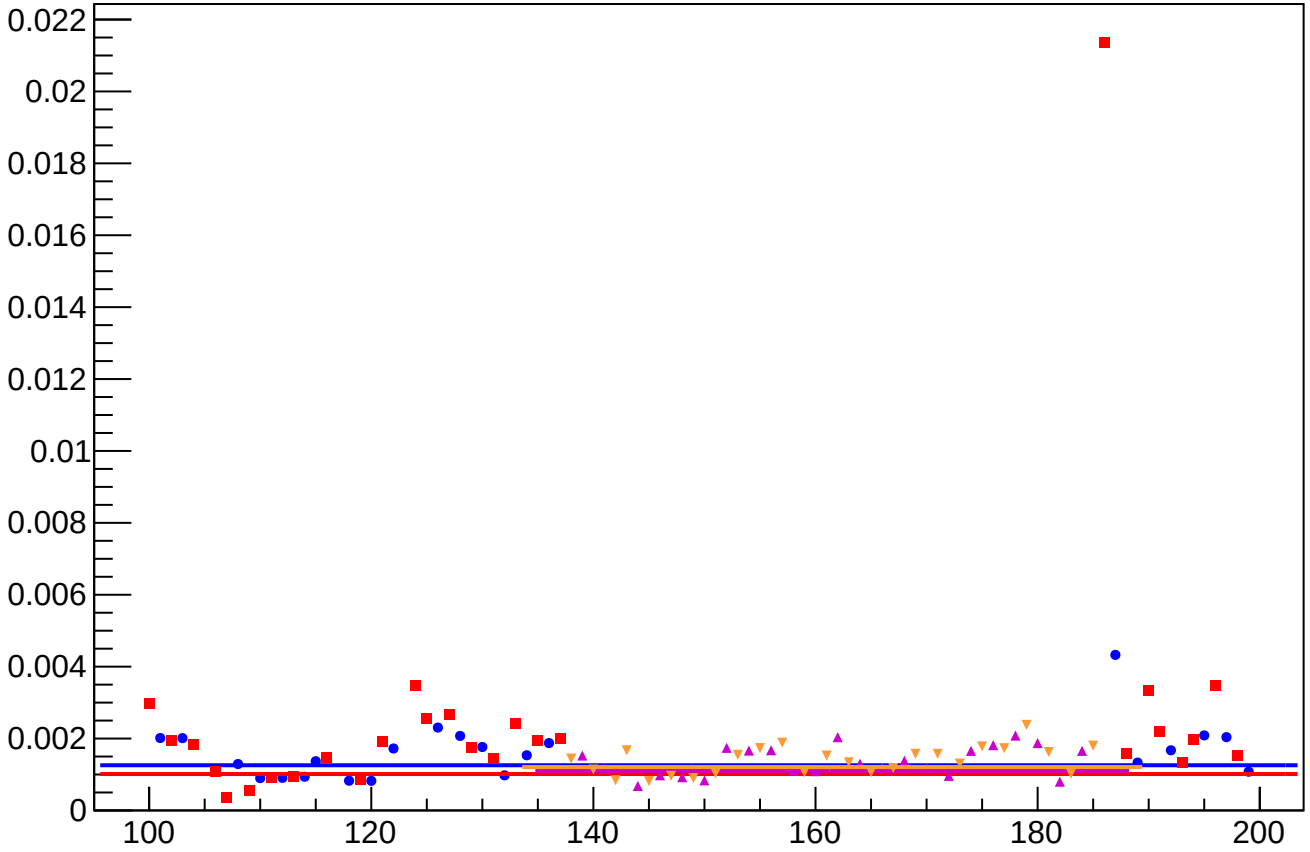
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.9/46

All: -0.000+/-0.000 χ^2/NDF: 107.3/96

- 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: 2710770.3/21

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

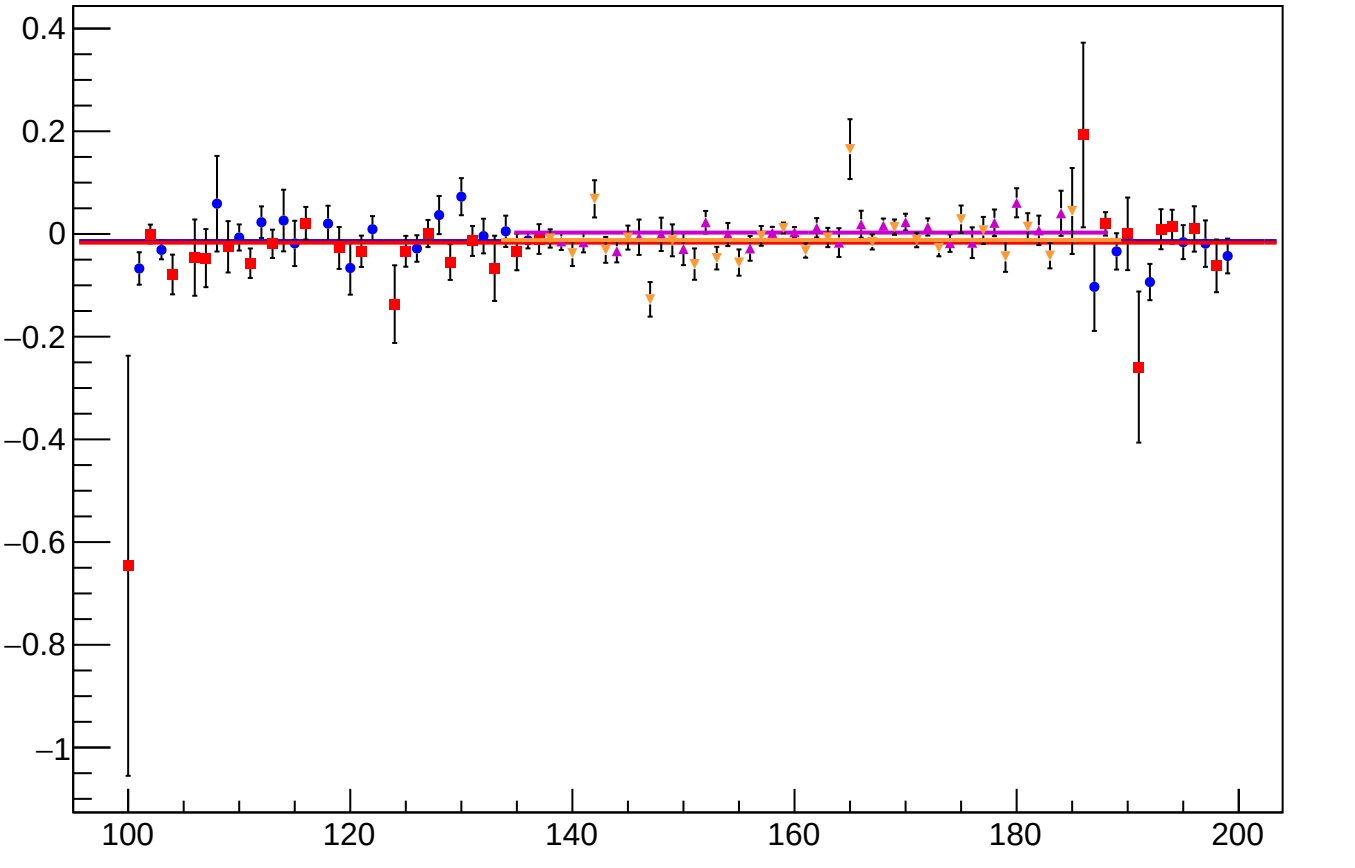
Right Out: 0.001+/-0.000 χ^2/NDF: 7525090.2/26

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5451757.9/46

All: 0.001+/-0.000 χ^2/NDF: 17033332.4/96

- sign 0.001+/-0.000 χ^2/NDF: 11104224.1/49



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

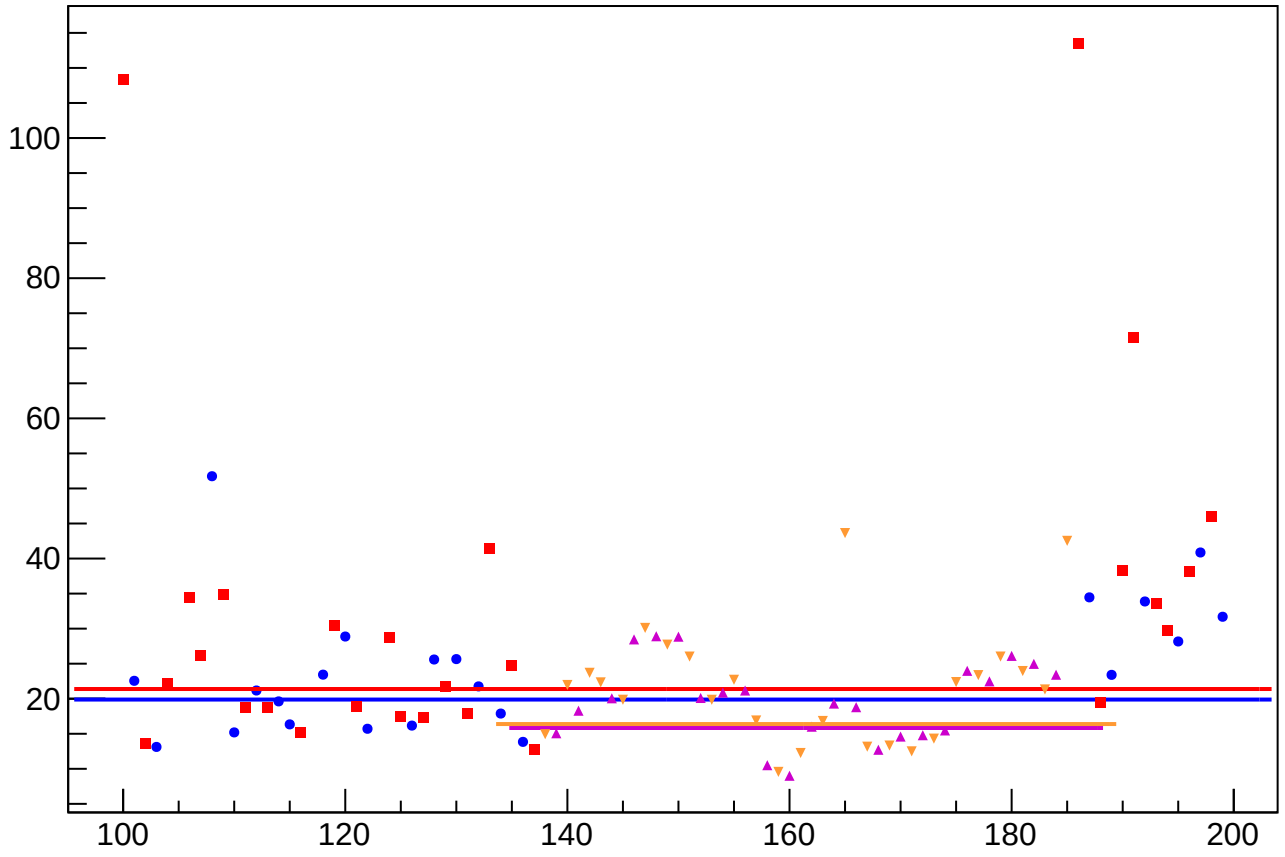
Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 78.2/46

All: -0.007+/-0.002 χ^2/NDF: 132.8/96

- sign -0.002+/-0.003 χ^2/NDF: 50.4/49



Right In: 19.881+/-0.005 χ^2/NDF: 2387023.5/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

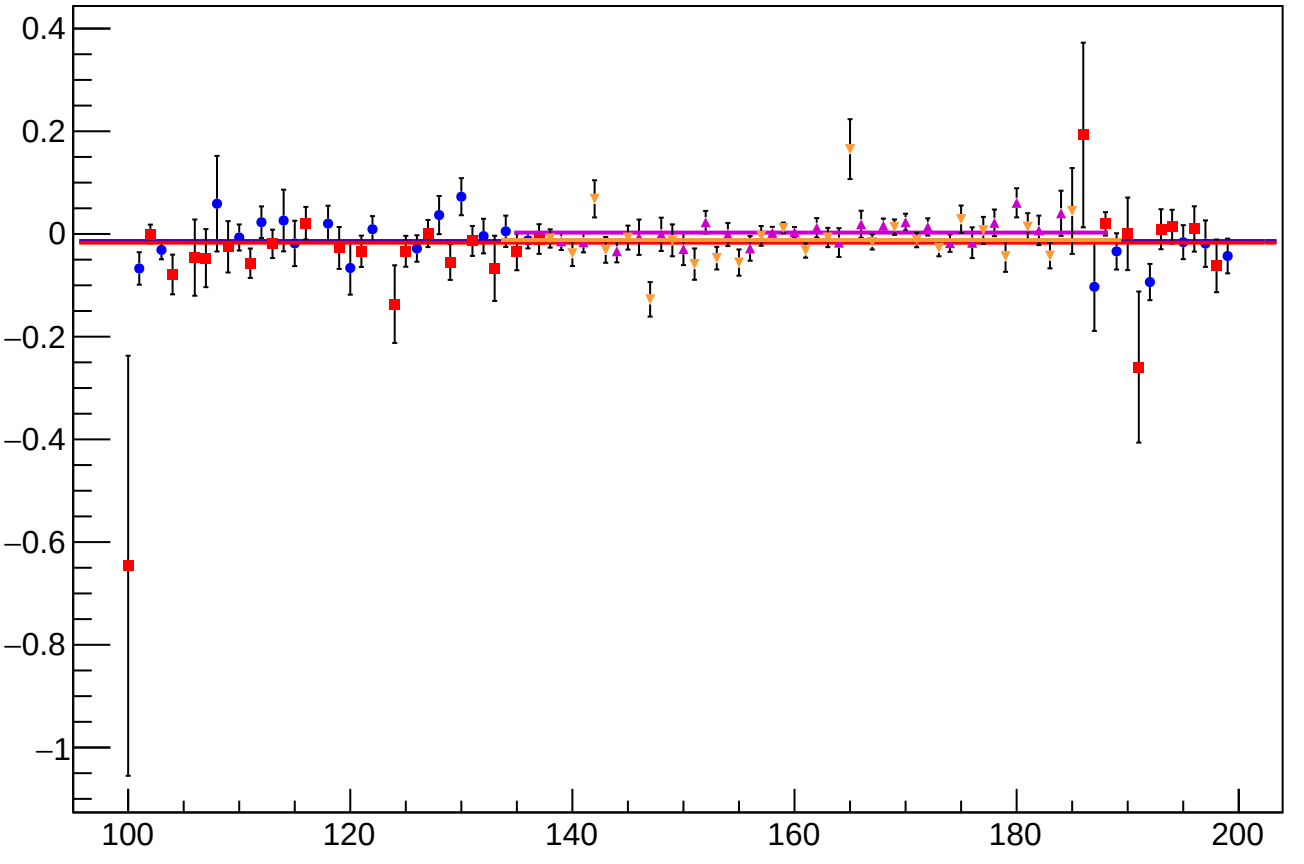
Right Out: 21.386+/-0.005 χ^2/NDF: 3387829.9/26

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.359+/-0.002 χ^2/NDF: 6827972.4/46

All: 17.310+/-0.002 χ^2/NDF: 14851213.6/96

- sign 17.261+/-0.002 χ^2/NDF: 8022440.2/49



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

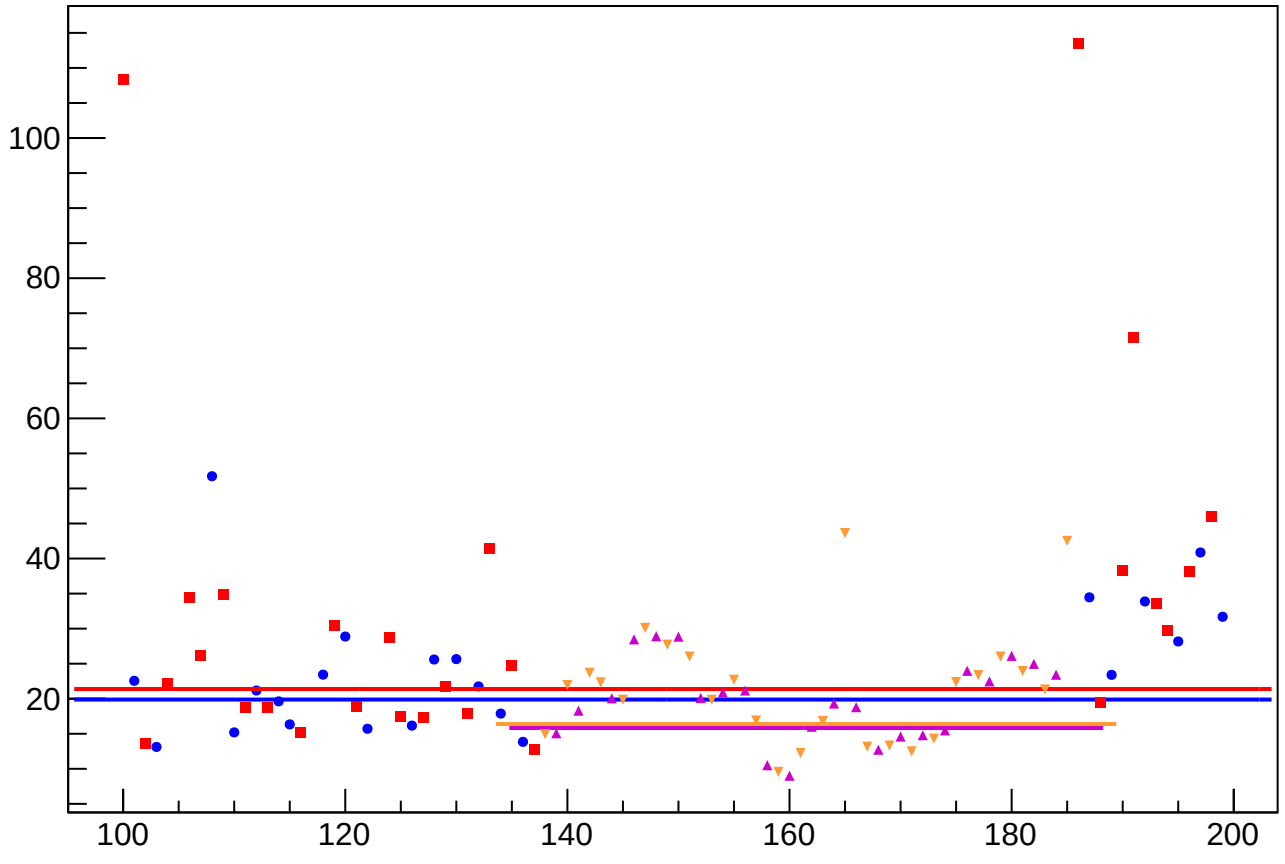
Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 78.2/46

All: -0.007+/-0.002 χ^2/NDF: 132.8/96

- sign -0.002+/-0.003 χ^2/NDF: 50.4/49



Right In: 19.881+/-0.005 χ^2/NDF: 2387023.5/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

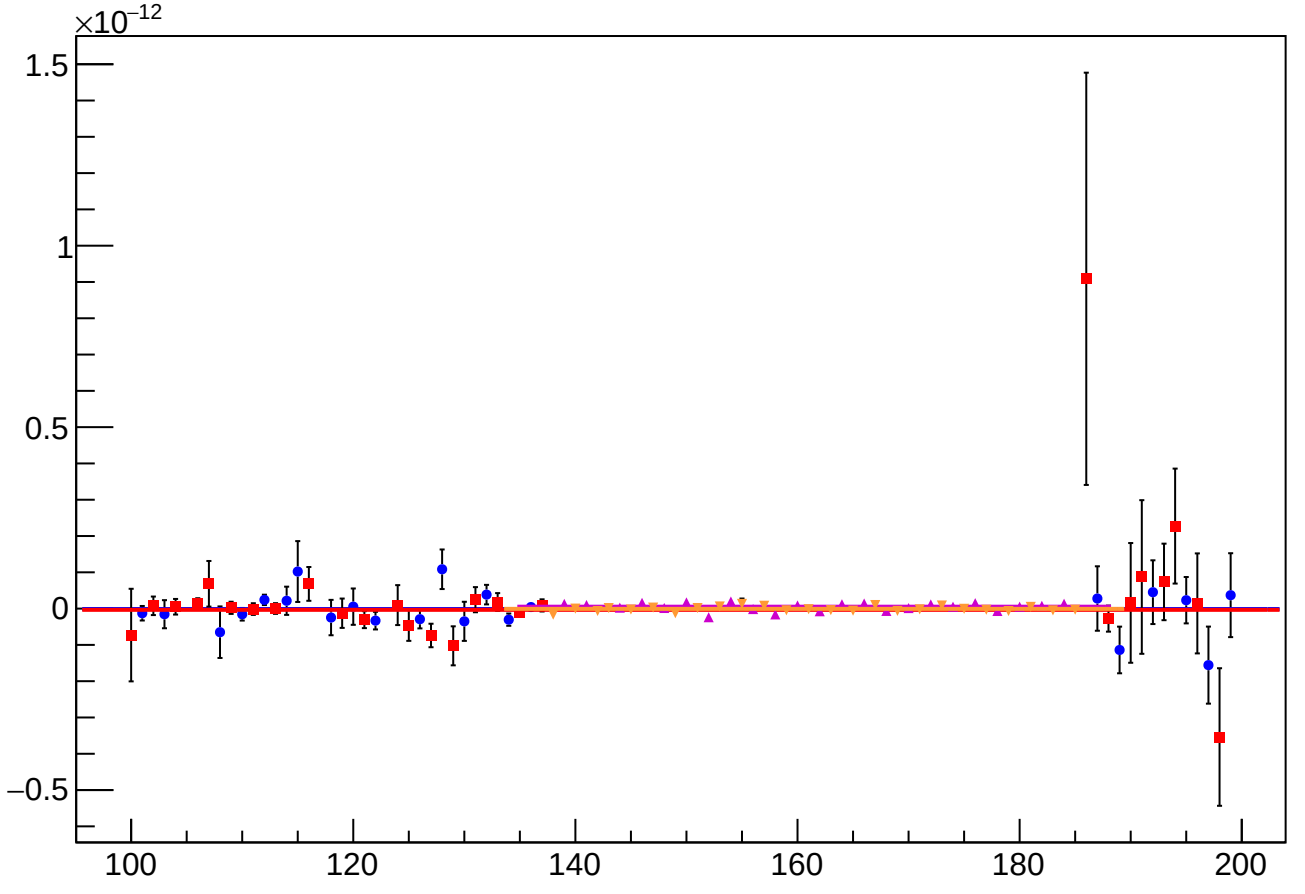
Right Out: 21.386+/-0.005 χ^2/NDF: 3387829.9/26

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 17.359+/-0.002 χ^2/NDF: 6827972.4/46

All: 17.310+/-0.002 χ^2/NDF: 14851213.6/96

\- sign 17.261+/-0.002 χ^2/NDF: 8022440.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

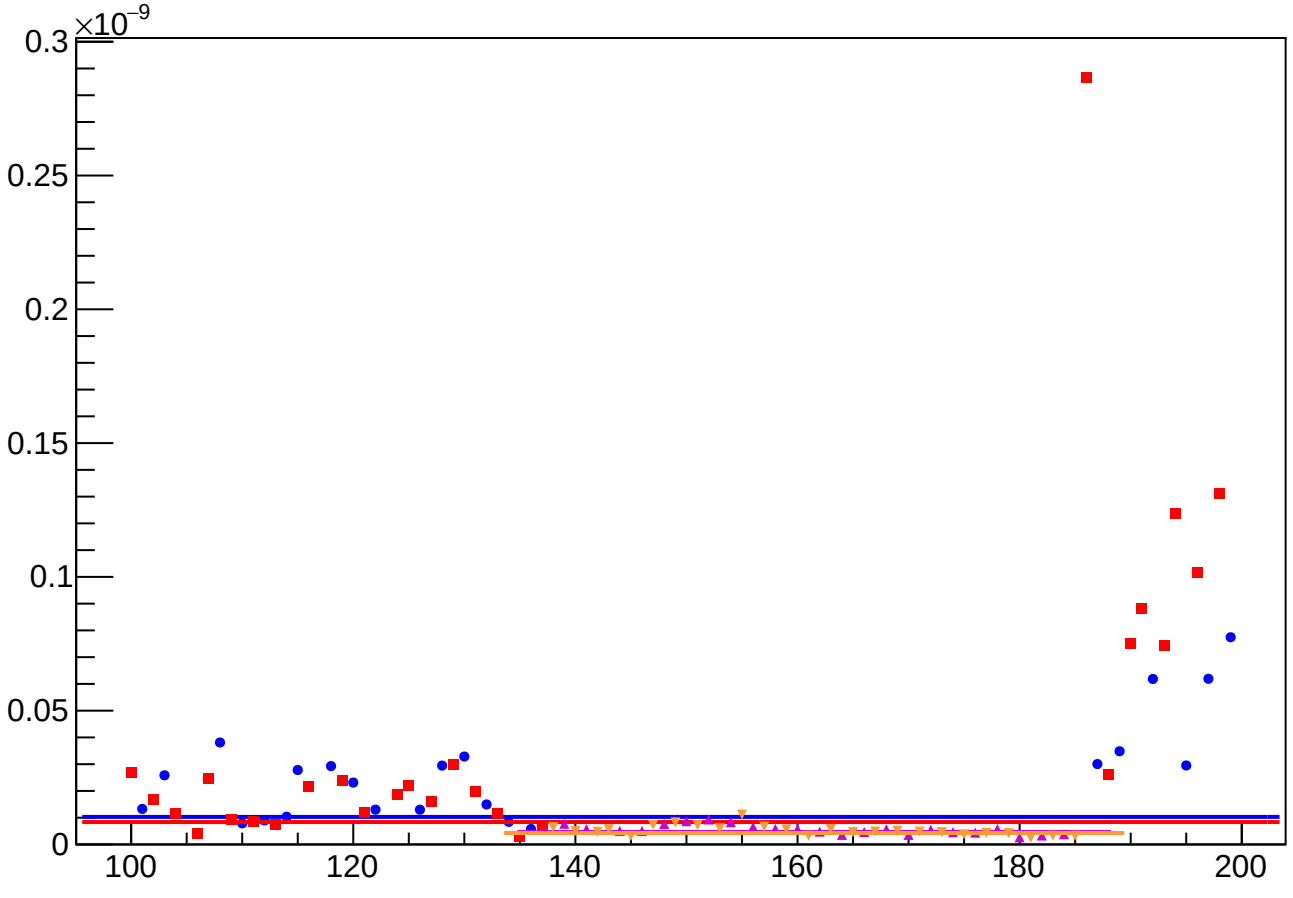
Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/26

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

+ sign -0.000+/-0.000 χ^2/NDF: 45.3/46

All: 0.000+/-0.000 χ^2/NDF: 123.5/96

- sign 0.000+/-0.000 χ^2/NDF: 69.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 5084445.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8315427.8/26

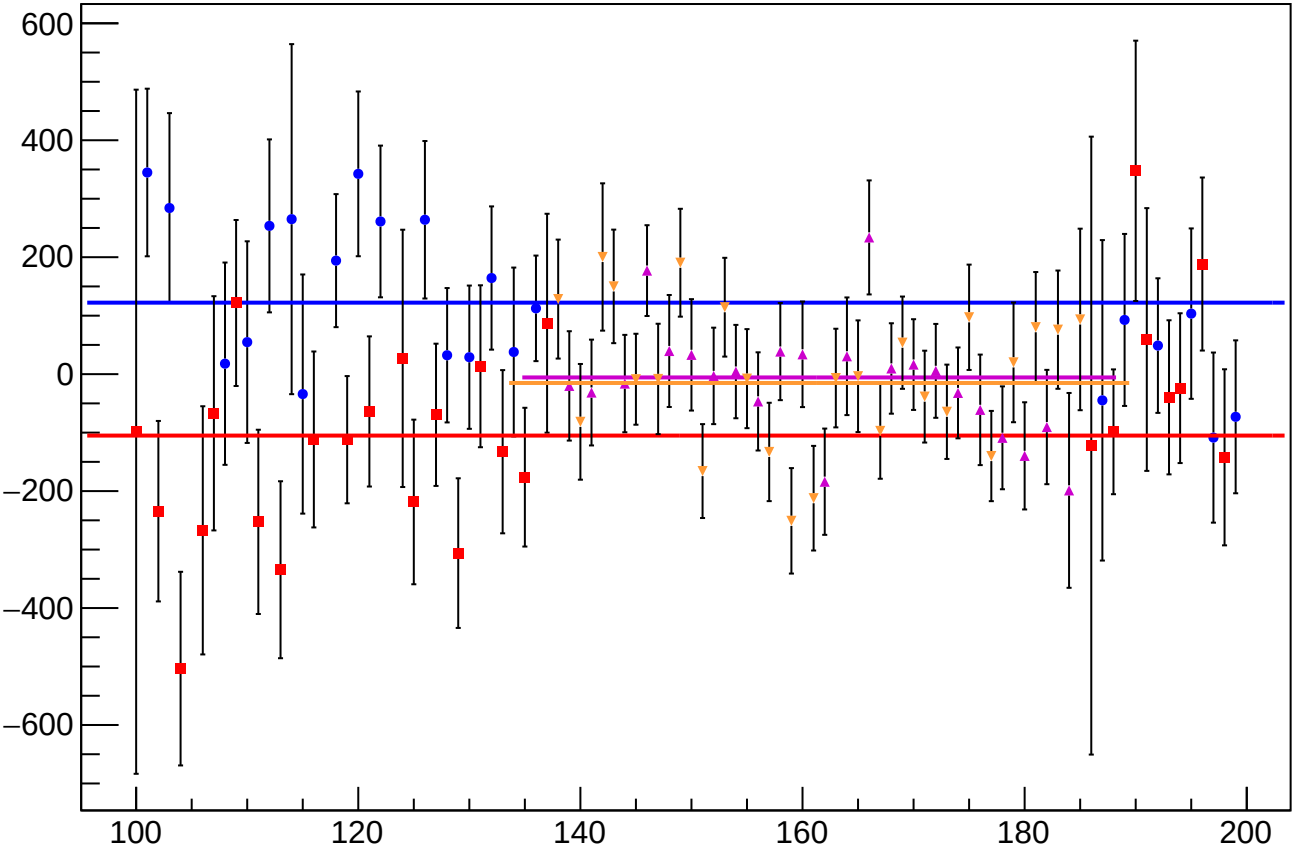
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10379537.9/46

All: 0.000+/-0.000 χ^2/NDF: 22557139.1/96

- sign 0.000+/-0.000 χ^2/NDF: 12106559.9/49

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 122.264+/-29.561 χ^2/NDF: 17.9/21

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -105.059+/-28.940 χ^2/NDF: 28.0/26

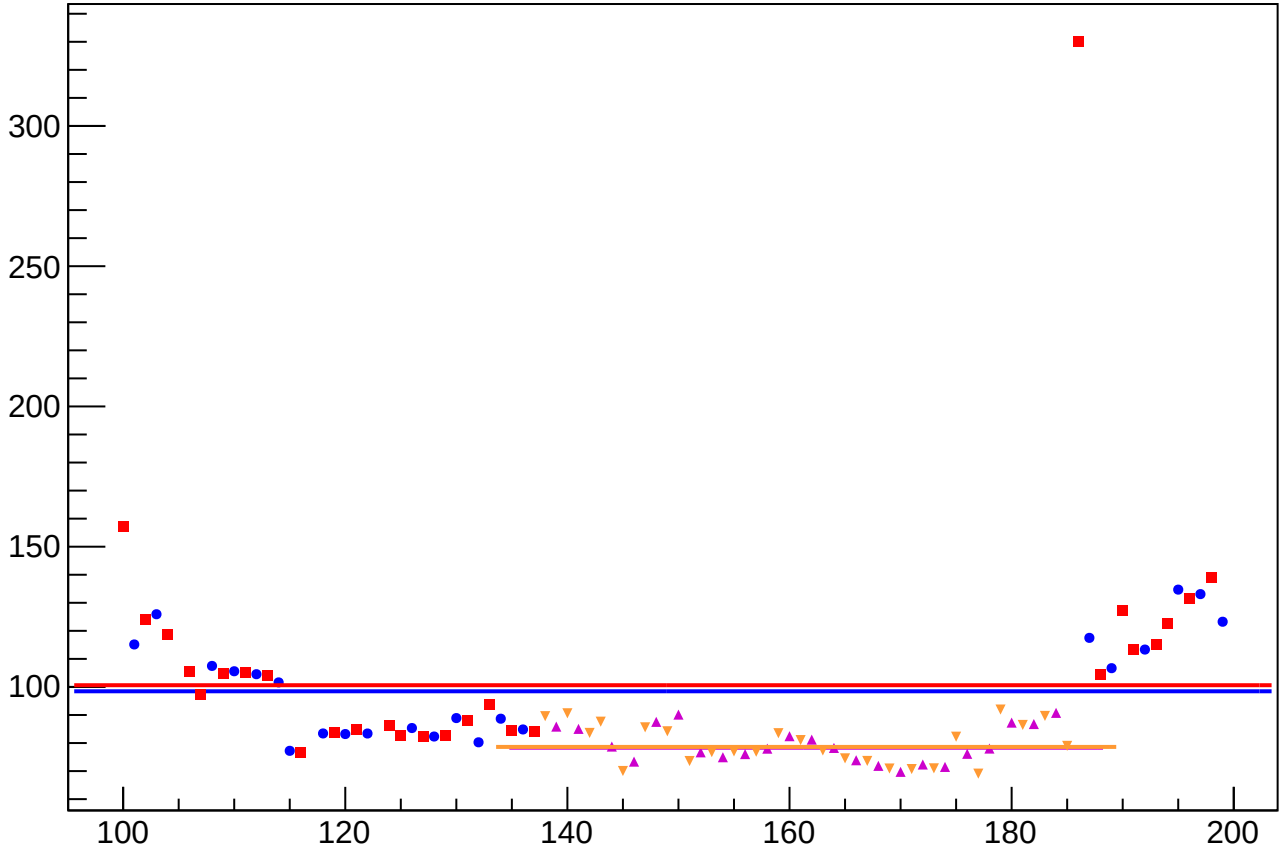
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 21.925+/-15.347 χ^2/NDF: 75.3/46

All: -5.836+/-10.911 χ^2/NDF: 141.3/96

- sign -34.211+/-15.516 χ^2/NDF: 59.4/49

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 98.451+/-0.021 χ^2/NDF: 731381.9/21

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.614+/-0.020 χ^2/NDF: 1140550.9/26

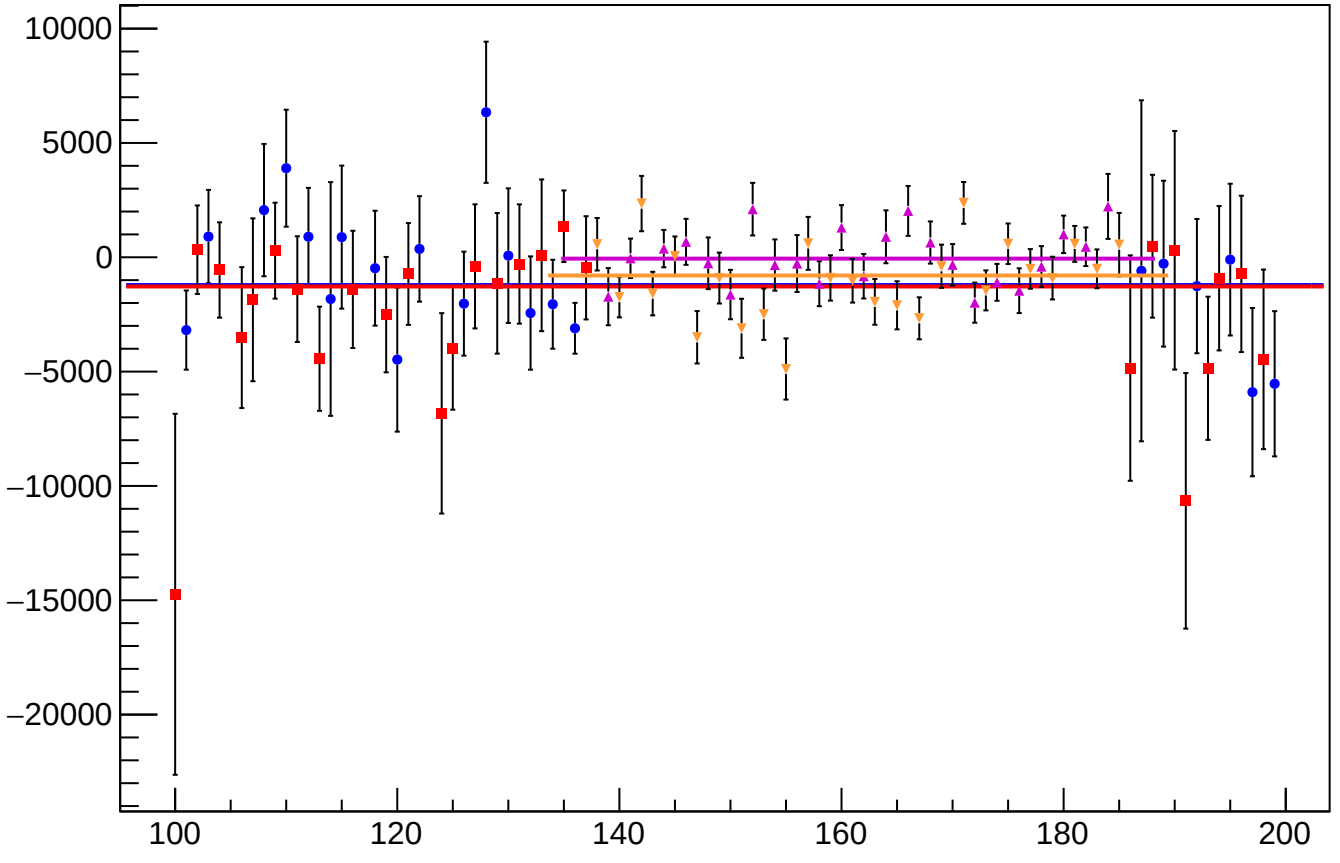
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.964+/-0.011 χ^2/NDF: 1696195.9/46

All: 84.347+/-0.008 χ^2/NDF: 3893045.3/96

- sign 84.739+/-0.011 χ^2/NDF: 2194326.9/49

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1215.465+/-514.536 χ^2/NDF: 24.0/21

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1276.942+/-523.095 χ^2/NDF: 18.8/26

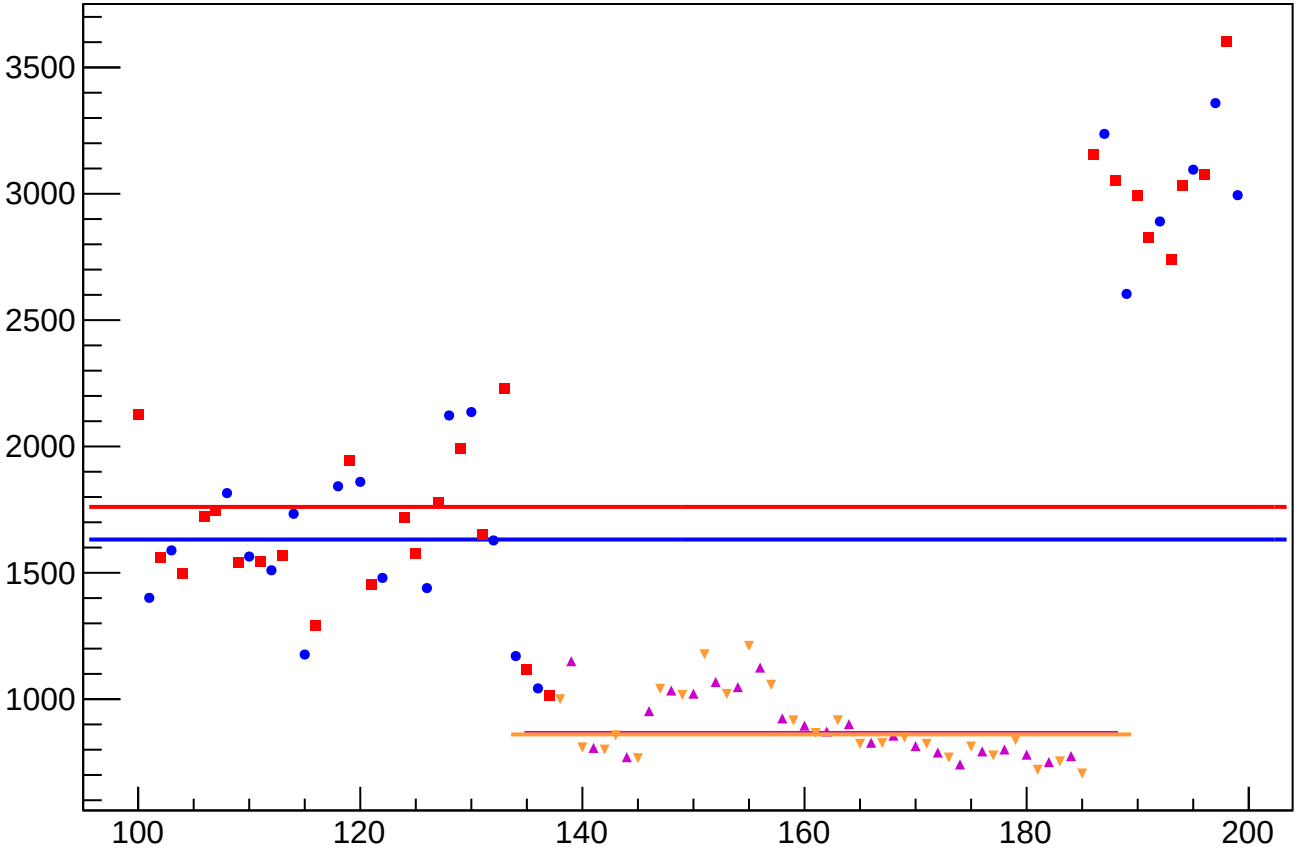
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

\+ sign -850.919+/-184.696 χ^2/NDF: 84.0/46

All: -545.463+/-132.574 χ^2/NDF: 143.6/96

\- sign -220.809+/-190.411 χ^2/NDF: 54.0/49

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1631.827+/-0.364 χ^2/NDF: 2729199.2/21

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1760.870+/-0.370 χ^2/NDF: 2792047.5/26

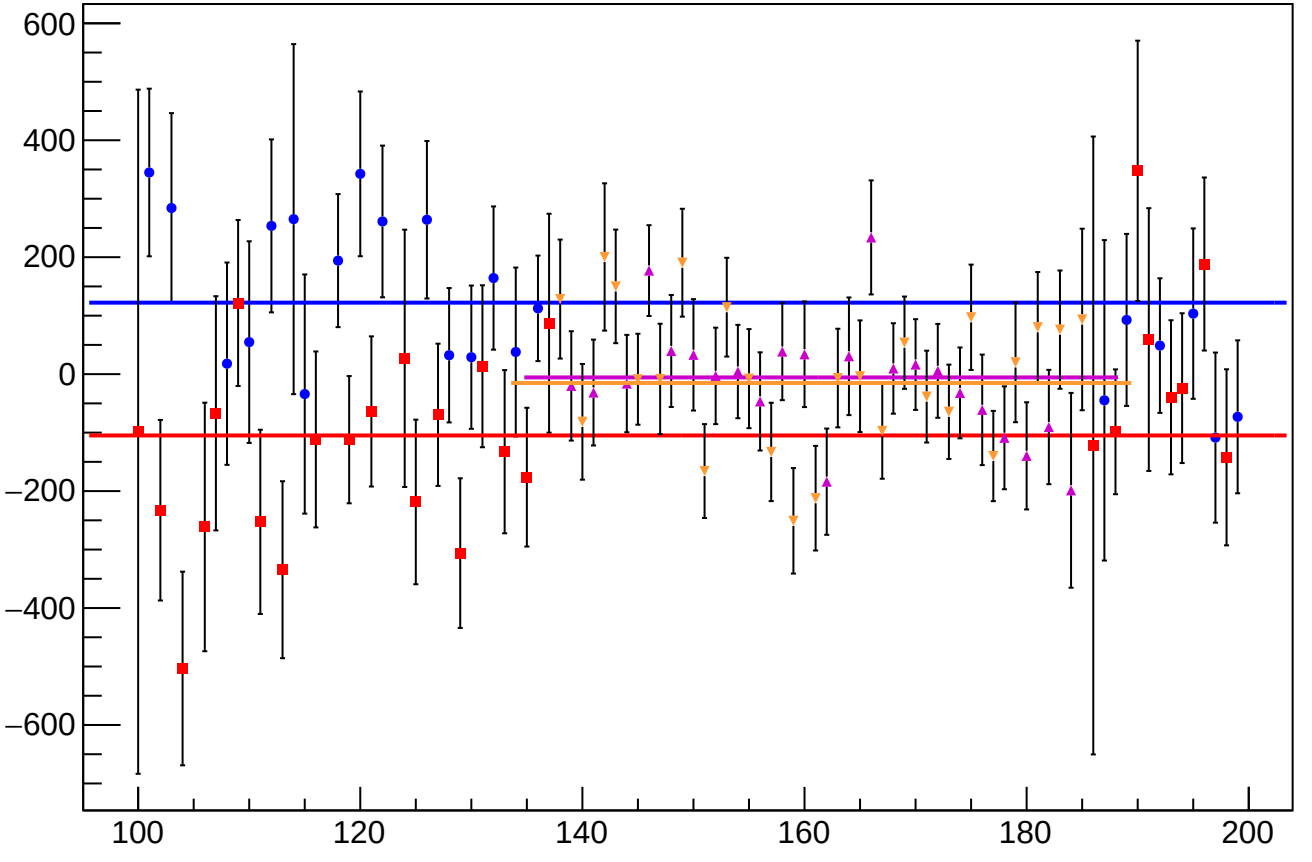
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 959.878+/-0.131 χ^2/NDF: 7343866.7/46

All: 971.997+/-0.094 χ^2/NDF: 15840524.7/96

- sign 984.878+/-0.135 χ^2/NDF: 8478895.4/49

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 122.261+/-29.561 χ^2/NDF: 17.9/21

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -104.873+/-28.942 χ^2/NDF: 27.9/26

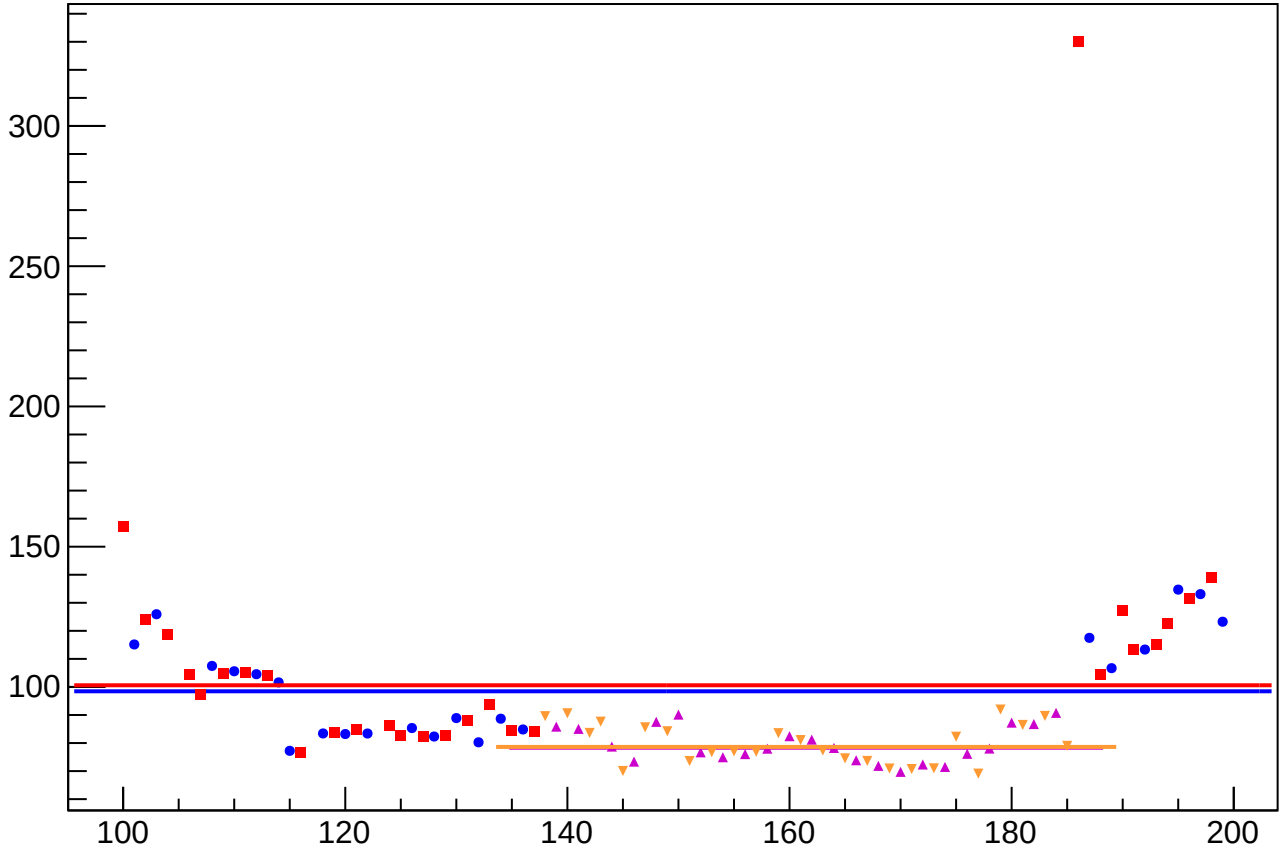
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

\+ sign 21.925+/-15.347 χ^2/NDF: 75.3/46

All: -5.807+/-10.912 χ^2/NDF: 141.2/96

\- sign -34.153+/-15.516 χ^2/NDF: 59.3/49

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 98.451+/-0.021 χ^2/NDF: 731383.4/21

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

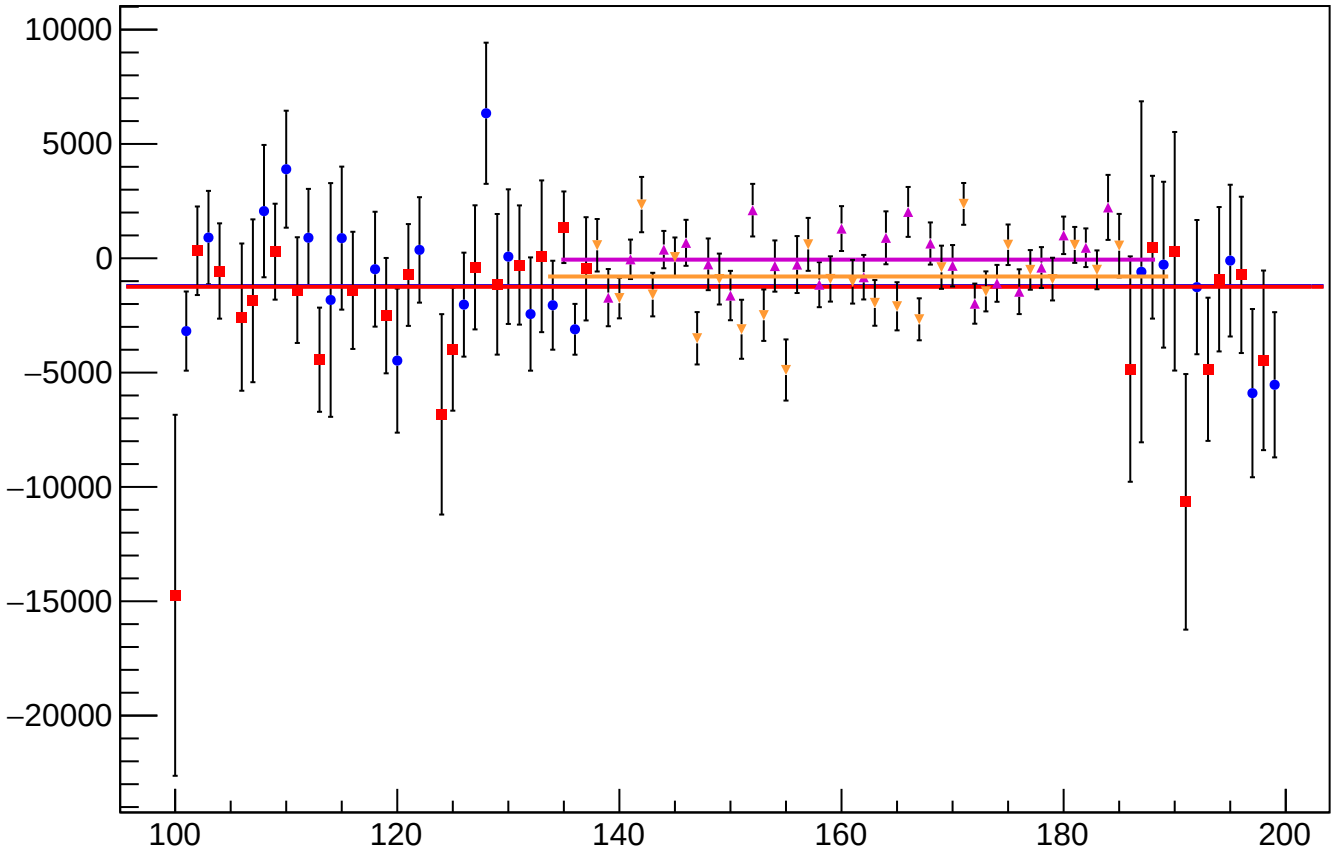
Right Out: 100.591+/-0.020 χ^2/NDF: 1140229.2/26

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.964+/-0.011 χ^2/NDF: 1696197.9/46

All: 84.344+/-0.008 χ^2/NDF: 3890890.6/96

- sign 84.732+/-0.011 χ^2/NDF: 2192215.6/49



Right In: -1215.446+/-514.537 χ^2/NDF: 24.0/21

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1246.975+/-523.746 χ^2/NDF: 18.4/26

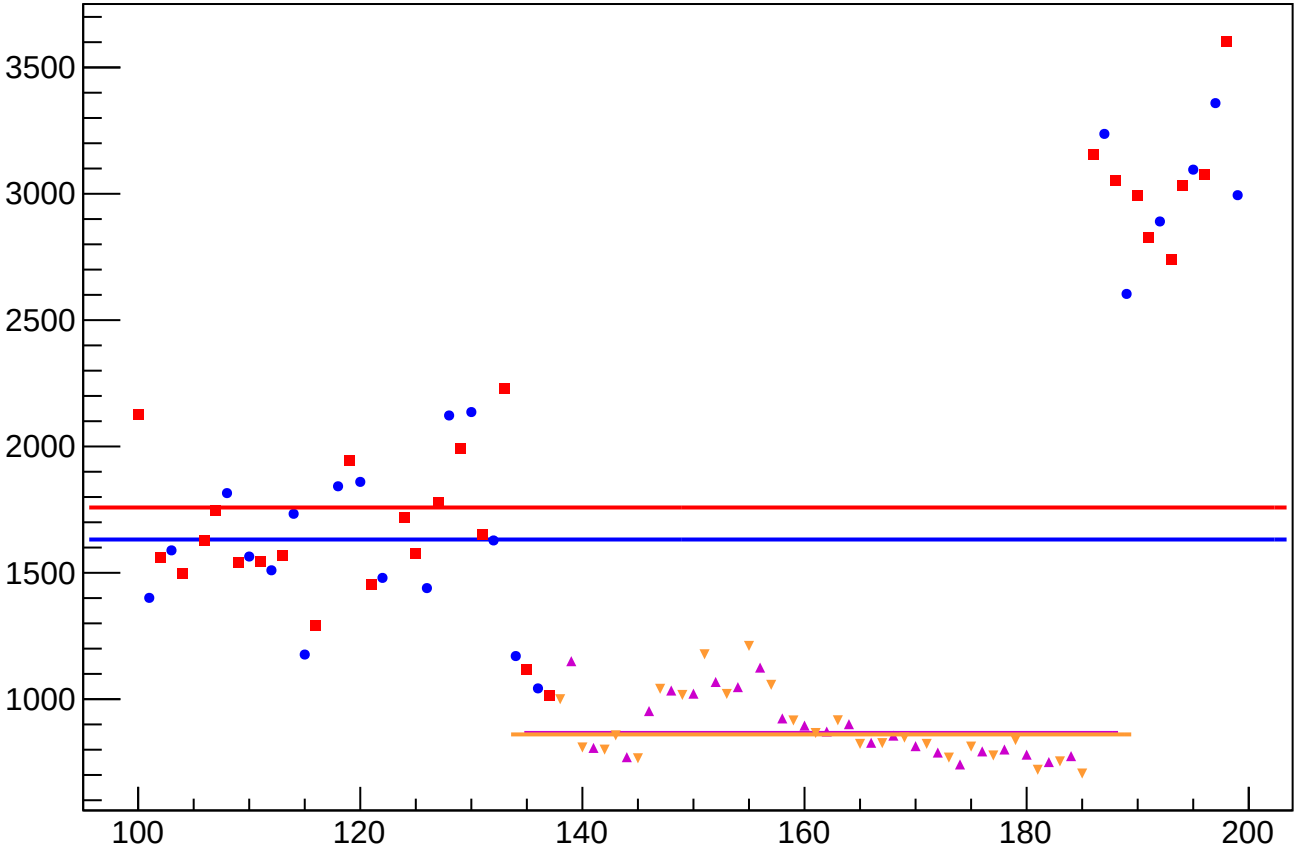
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -850.916+/-184.696 χ^2/NDF: 84.0/46

All: -543.425+/-132.585 χ^2/NDF: 143.1/96

- sign -216.499+/-190.443 χ^2/NDF: 53.4/49

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1631.831+/-0.364 χ^2/NDF: 2729196.7/21

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1758.535+/-0.370 χ^2/NDF: 2794925.5/26

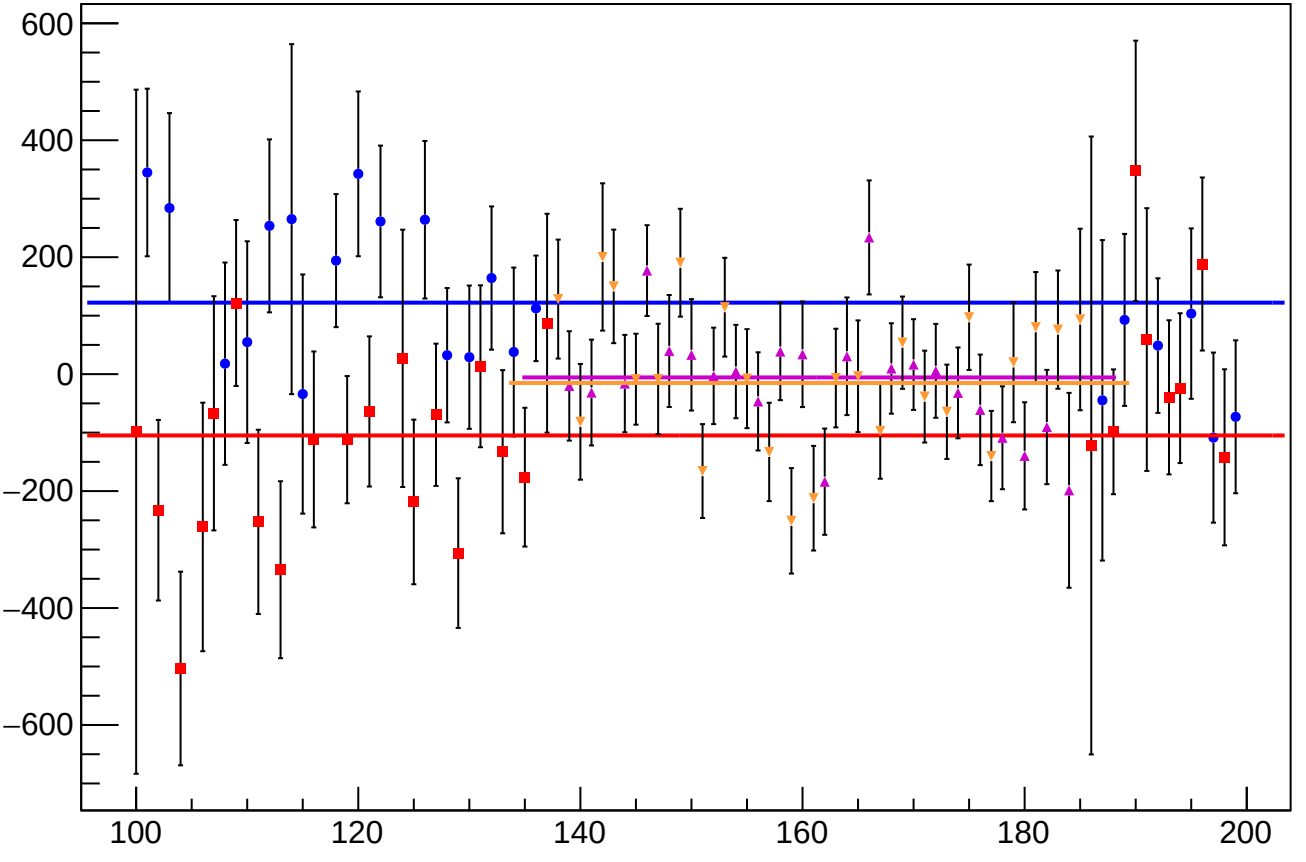
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 959.878+/-0.131 χ^2/NDF: 7343886.7/46

All: 971.722+/-0.094 χ^2/NDF: 15805283.5/96

- sign 984.314+/-0.135 χ^2/NDF: 8444429.7/49

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 122.261+/-29.561 χ^2/NDF: 17.9/21

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -104.873+/-28.942 χ^2/NDF: 27.9/26

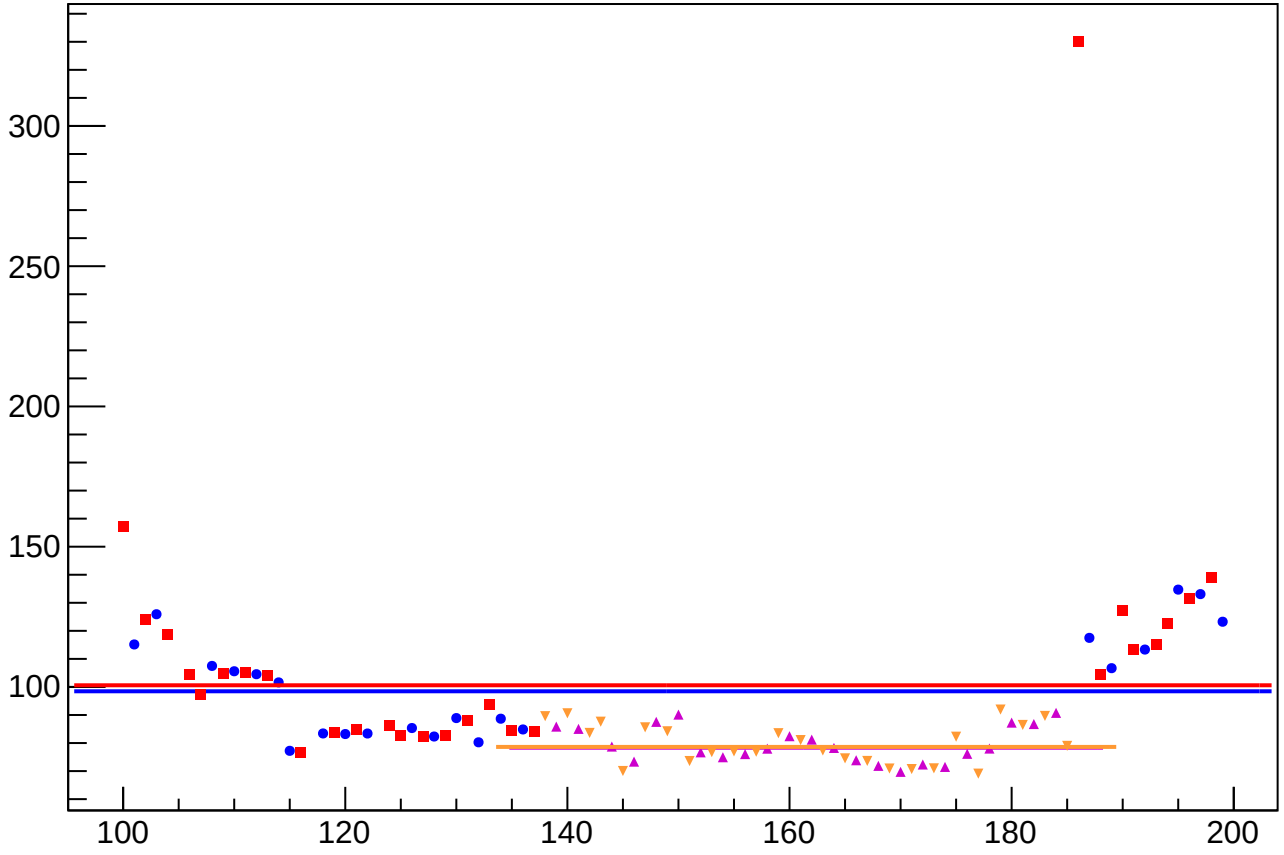
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 21.925+/-15.347 χ^2/NDF: 75.3/46

All: -5.807+/-10.912 χ^2/NDF: 141.2/96

- sign -34.153+/-15.516 χ^2/NDF: 59.3/49

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 98.451+/-0.021 χ^2/NDF: 731383.4/21

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

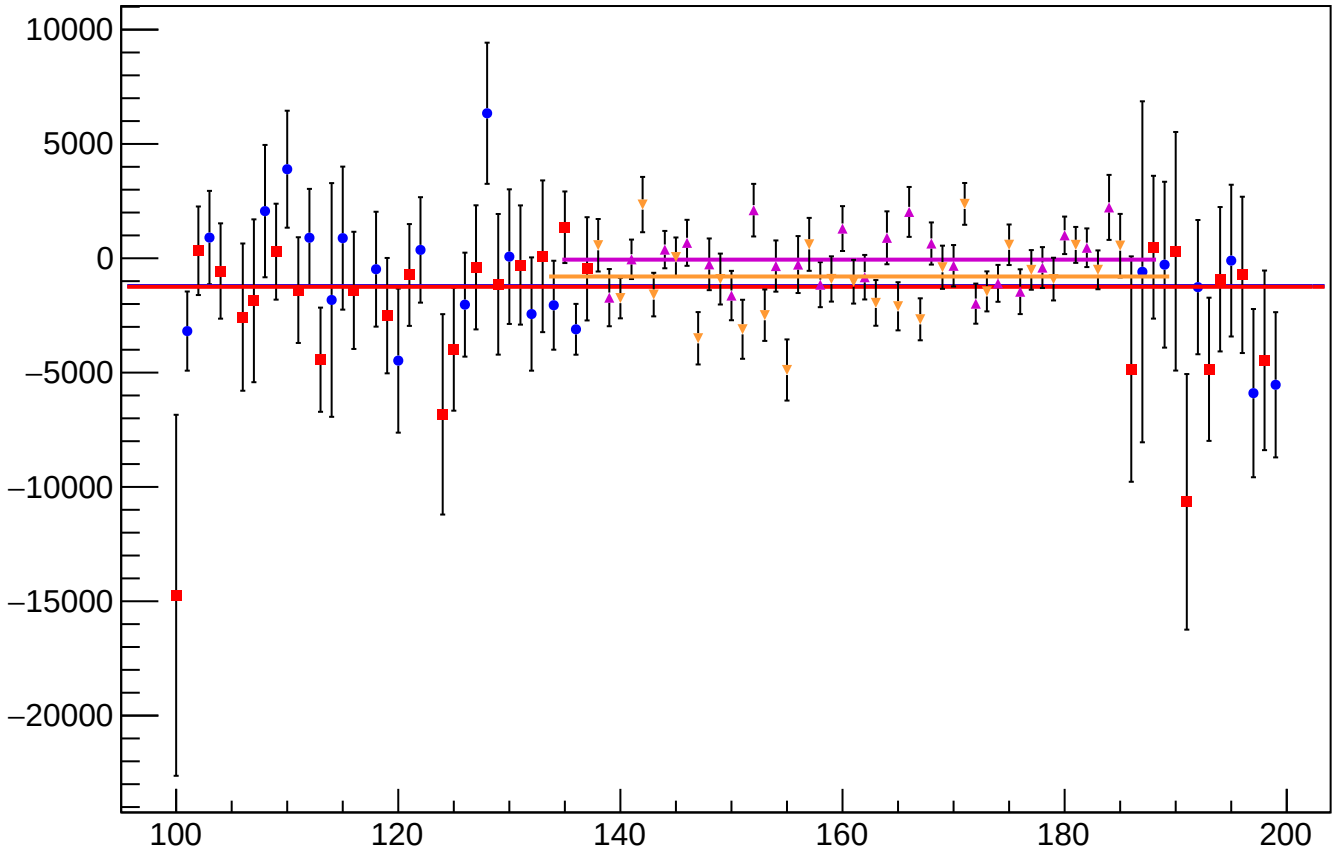
Right Out: 100.591+/-0.020 χ^2/NDF: 1140229.2/26

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.964+/-0.011 χ^2/NDF: 1696197.9/46

All: 84.344+/-0.008 χ^2/NDF: 3890890.6/96

- sign 84.732+/-0.011 χ^2/NDF: 2192215.6/49



Right In: -1215.446+/-514.537 χ^2/NDF: 24.0/21

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

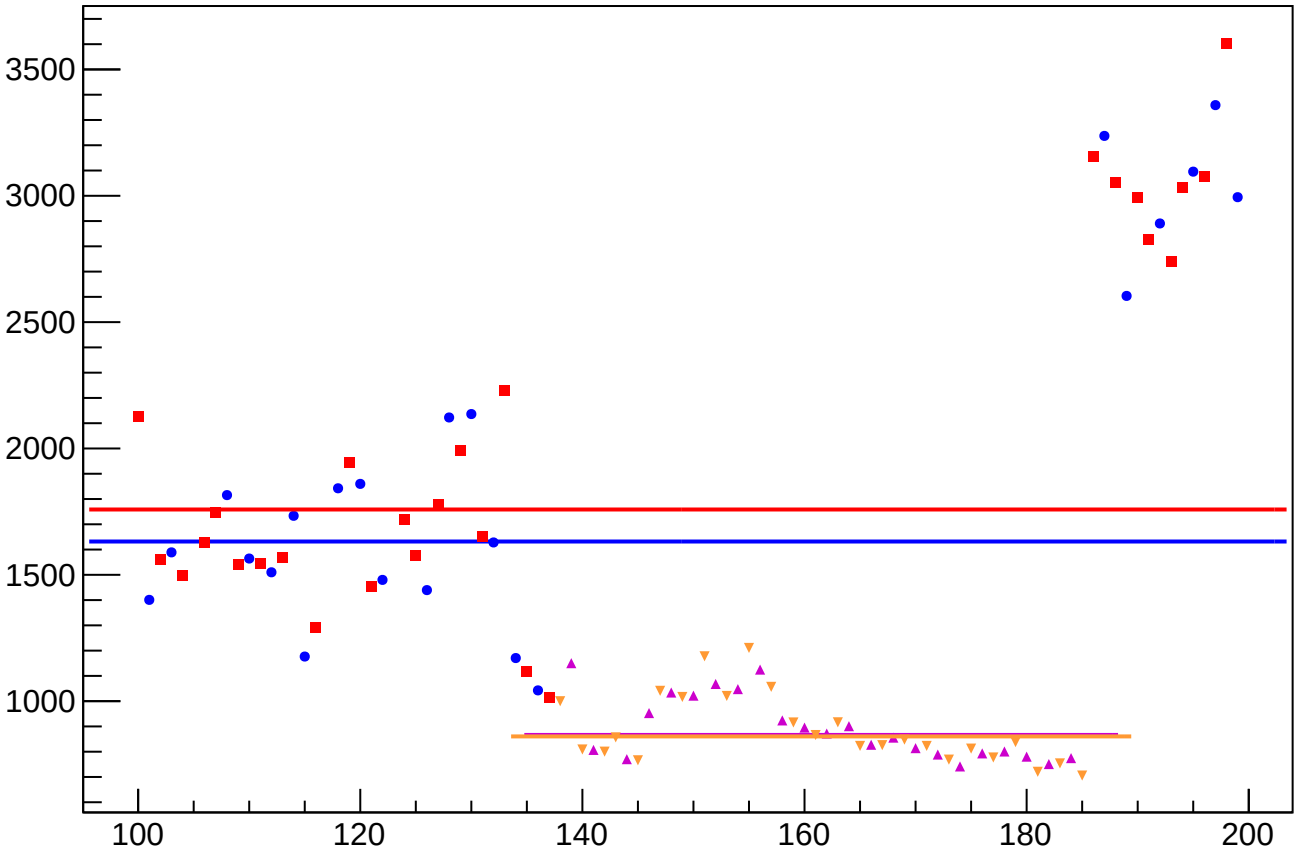
Right Out: -1246.975+/-523.746 χ^2/NDF: 18.4/26

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -850.916+/-184.696 χ^2/NDF: 84.0/46

All: -543.425+/-132.585 χ^2/NDF: 143.1/96

- sign -216.499+/-190.443 χ^2/NDF: 53.4/49



Right In: 1631.831+/-0.364 χ^2/NDF: 2729196.7/21

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1758.535+/-0.370 χ^2/NDF: 2794925.5/26

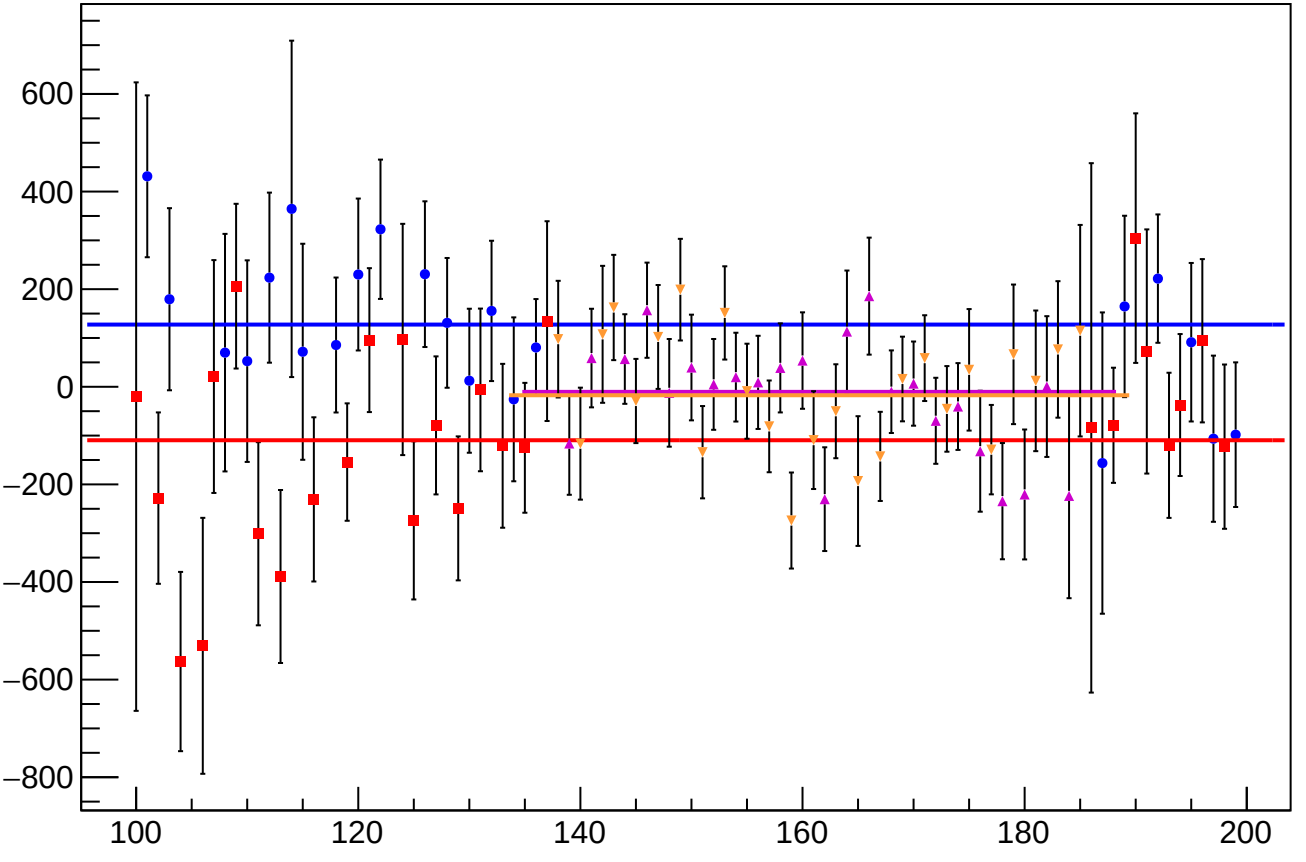
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 959.878+/-0.131 χ^2/NDF: 7343886.7/46

All: 971.722+/-0.094 χ^2/NDF: 15805283.5/96

- sign 984.314+/-0.135 χ^2/NDF: 8444429.7/49

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 127.467+/-34.142 χ^2/NDF: 14.7/21

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -109.540+/-33.037 χ^2/NDF: 28.6/26

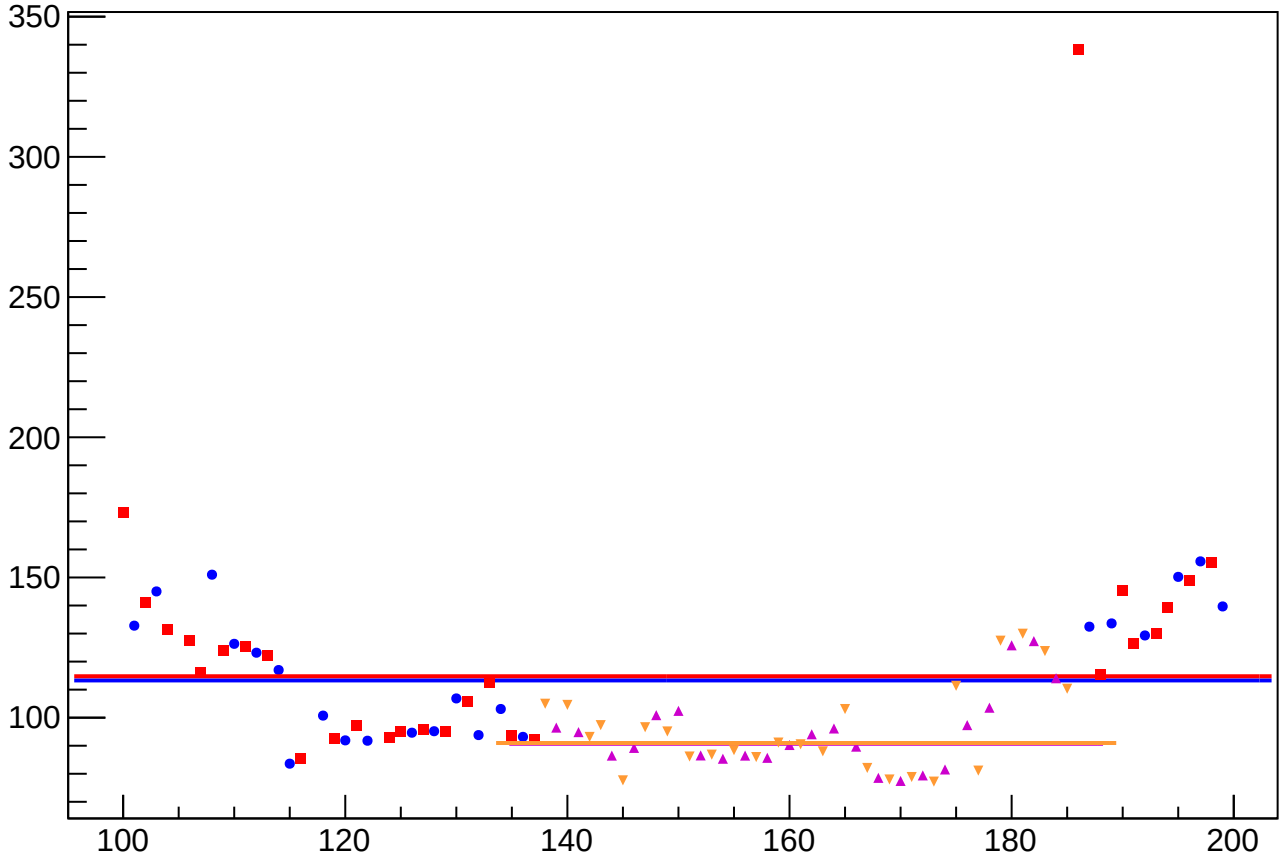
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

\+ sign 22.359+/-17.879 χ^2/NDF: 59.0/46

All: -8.528+/-12.693 χ^2/NDF: 122.5/96

\- sign -39.911+/-18.022 χ^2/NDF: 57.5/49

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 113.286+/-0.024 χ^2/NDF: 835027.1/21

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.774+/-0.023 χ^2/NDF: 1103505.5/26

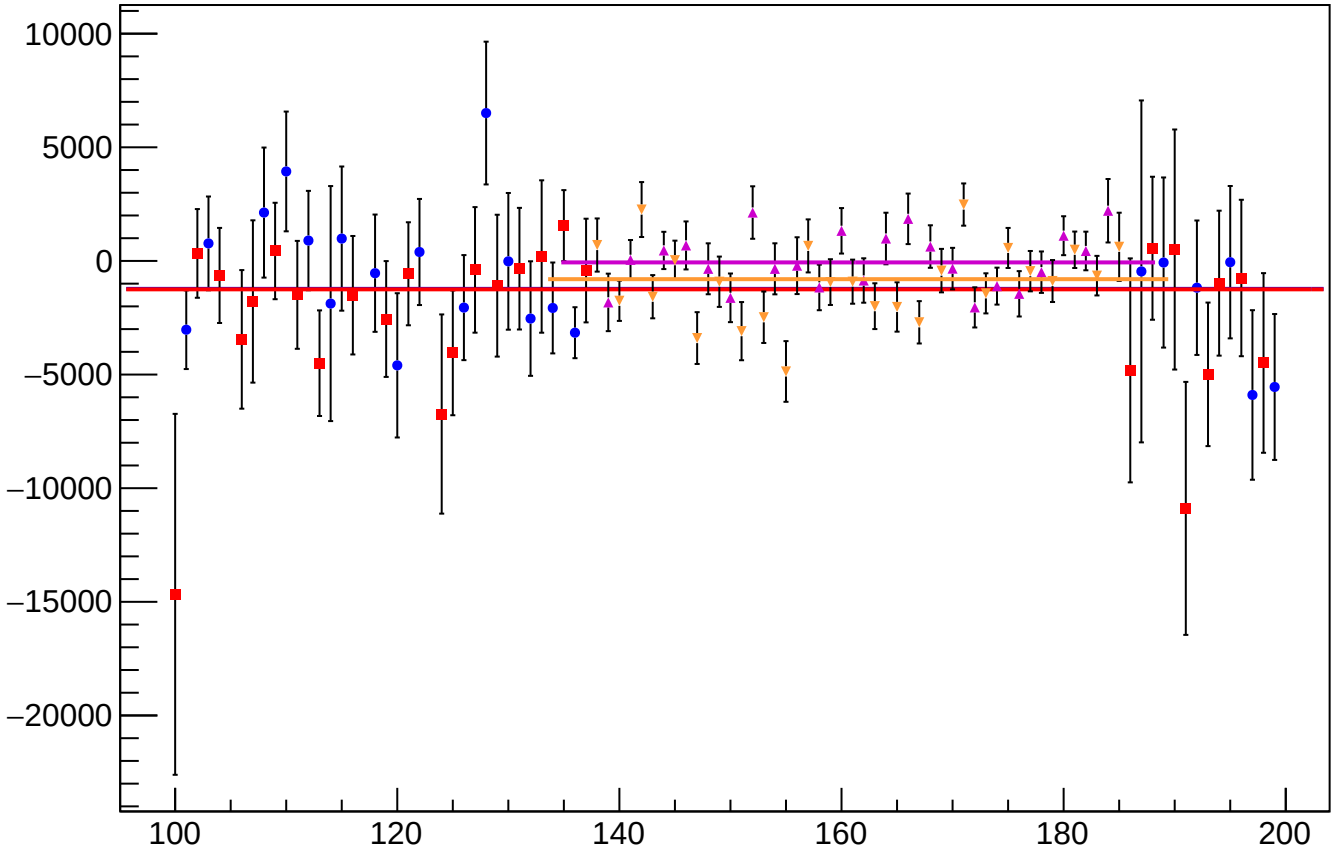
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 97.087+/-0.013 χ^2/NDF: 2239857.5/46

All: 97.469+/-0.009 χ^2/NDF: 4637743.9/96

- sign 97.857+/-0.013 χ^2/NDF: 2396048.7/49

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1229.702+/-521.496 χ^2/NDF: 23.7/21

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

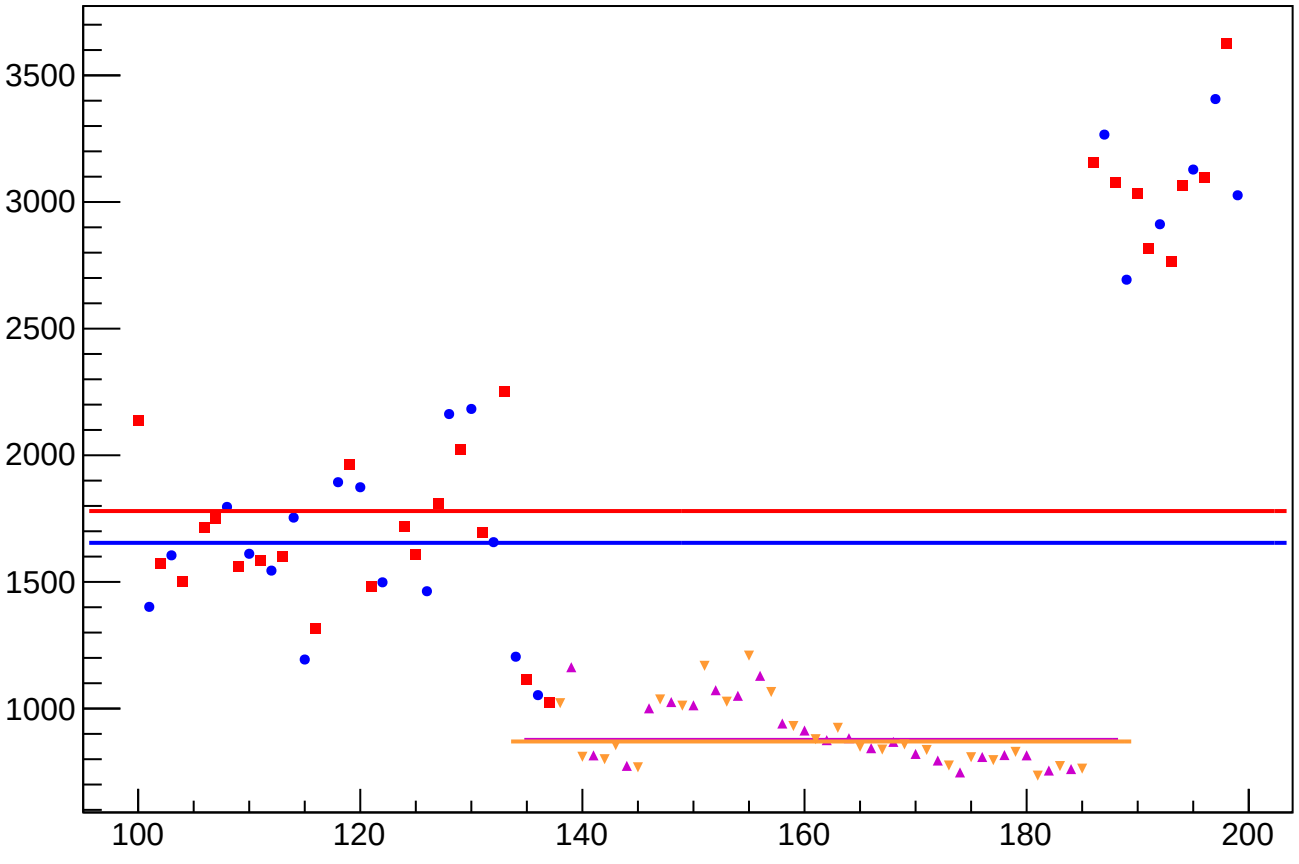
Right Out: -1250.014+/-528.450 χ^2/NDF: 19.5/26

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -857.233+/-186.617 χ^2/NDF: 82.6/46

All: -549.634+/-133.983 χ^2/NDF: 142.8/96

- sign -222.401+/-192.480 χ^2/NDF: 54.6/49



Right In: 1654.292+/-0.369 χ^2/NDF: 2737939.2/21

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1779.800+/-0.374 χ^2/NDF: 2788615.6/26

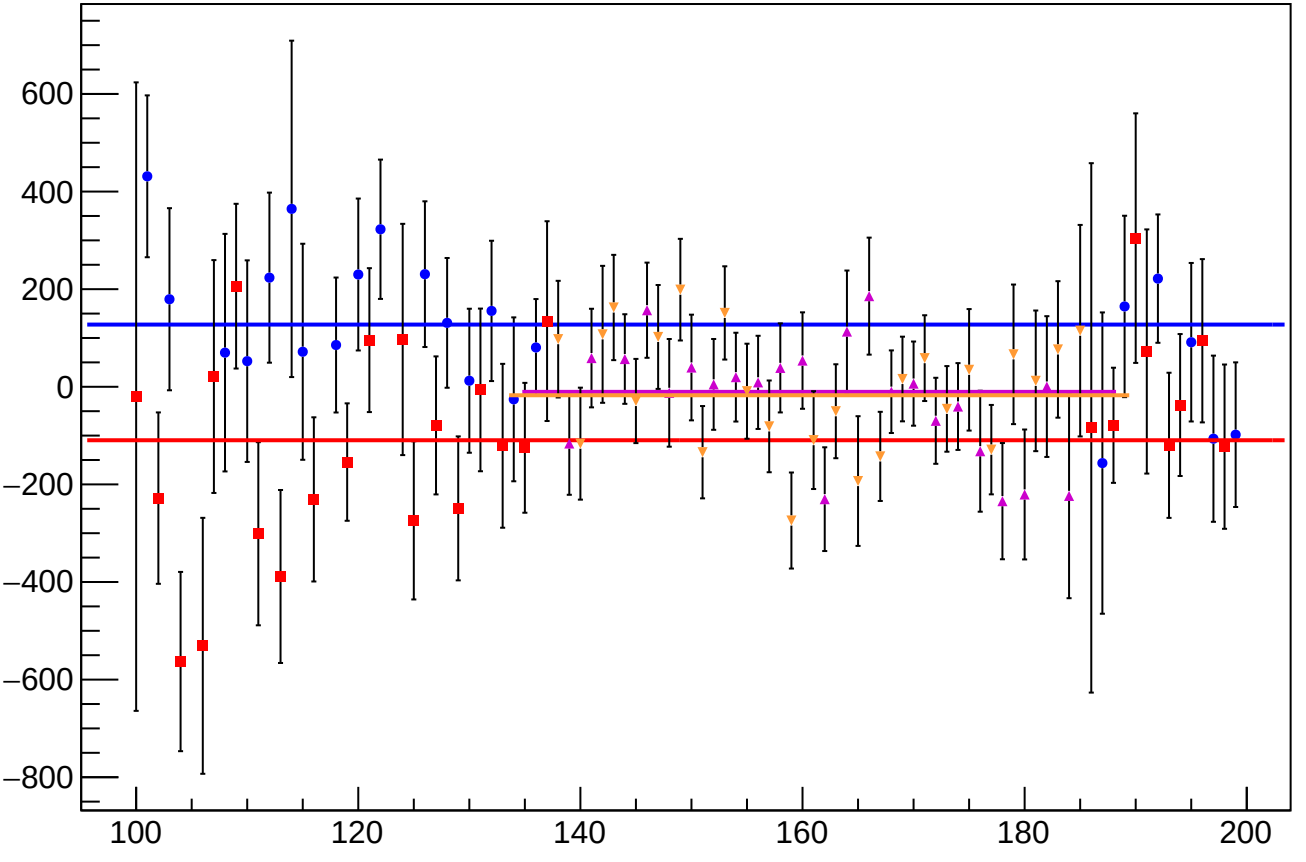
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 970.441+/-0.132 χ^2/NDF: 7329448.4/46

All: 982.894+/-0.095 χ^2/NDF: 15804597.8/96

- sign 996.141+/-0.136 χ^2/NDF: 8456769.7/49

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 127.469+/-34.141 χ^2/NDF: 14.7/21

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -109.540+/-33.037 χ^2/NDF: 28.6/26

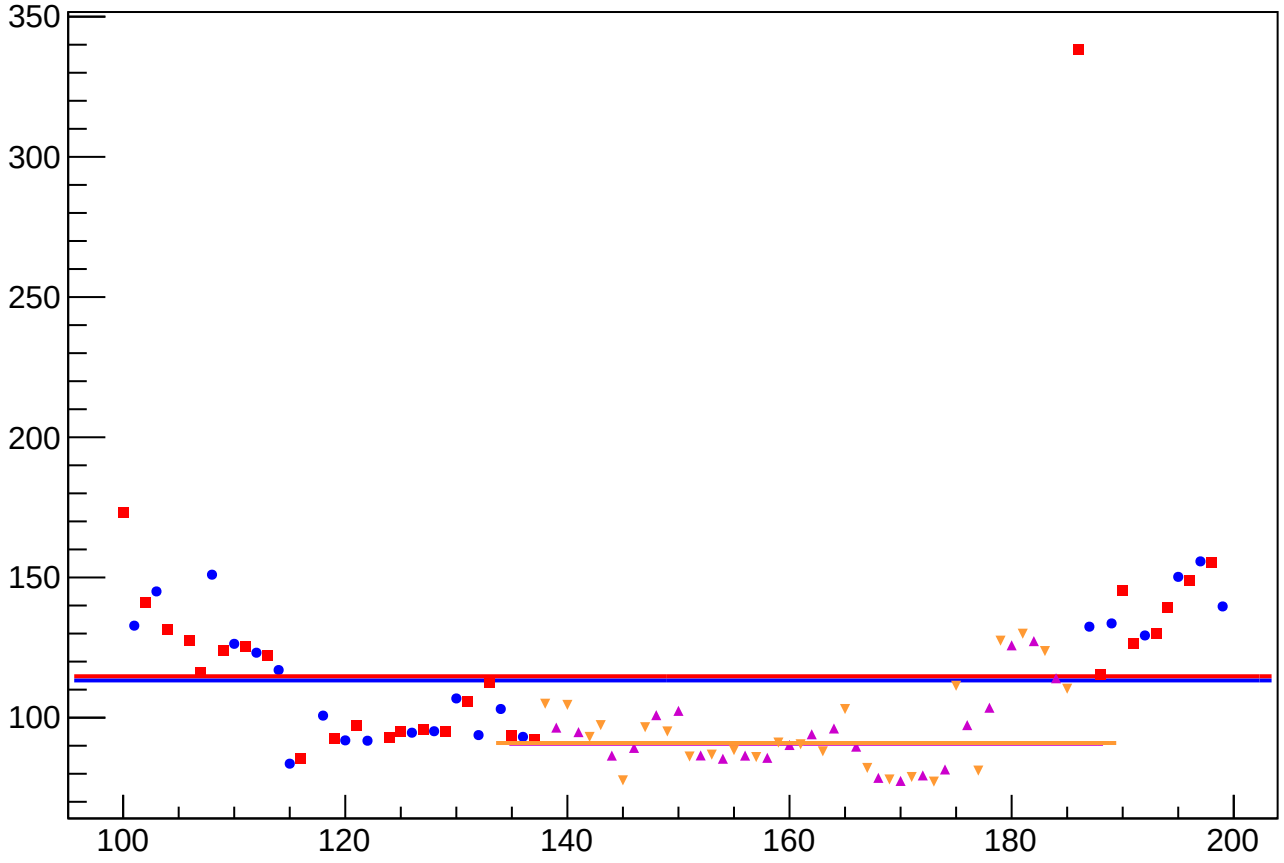
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 22.360+/-17.879 χ^2/NDF: 59.0/46

All: -8.528+/-12.693 χ^2/NDF: 122.5/96

- sign -39.911+/-18.022 χ^2/NDF: 57.5/49

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 113.285+/-0.024 χ^2/NDF: 835048.6/21

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

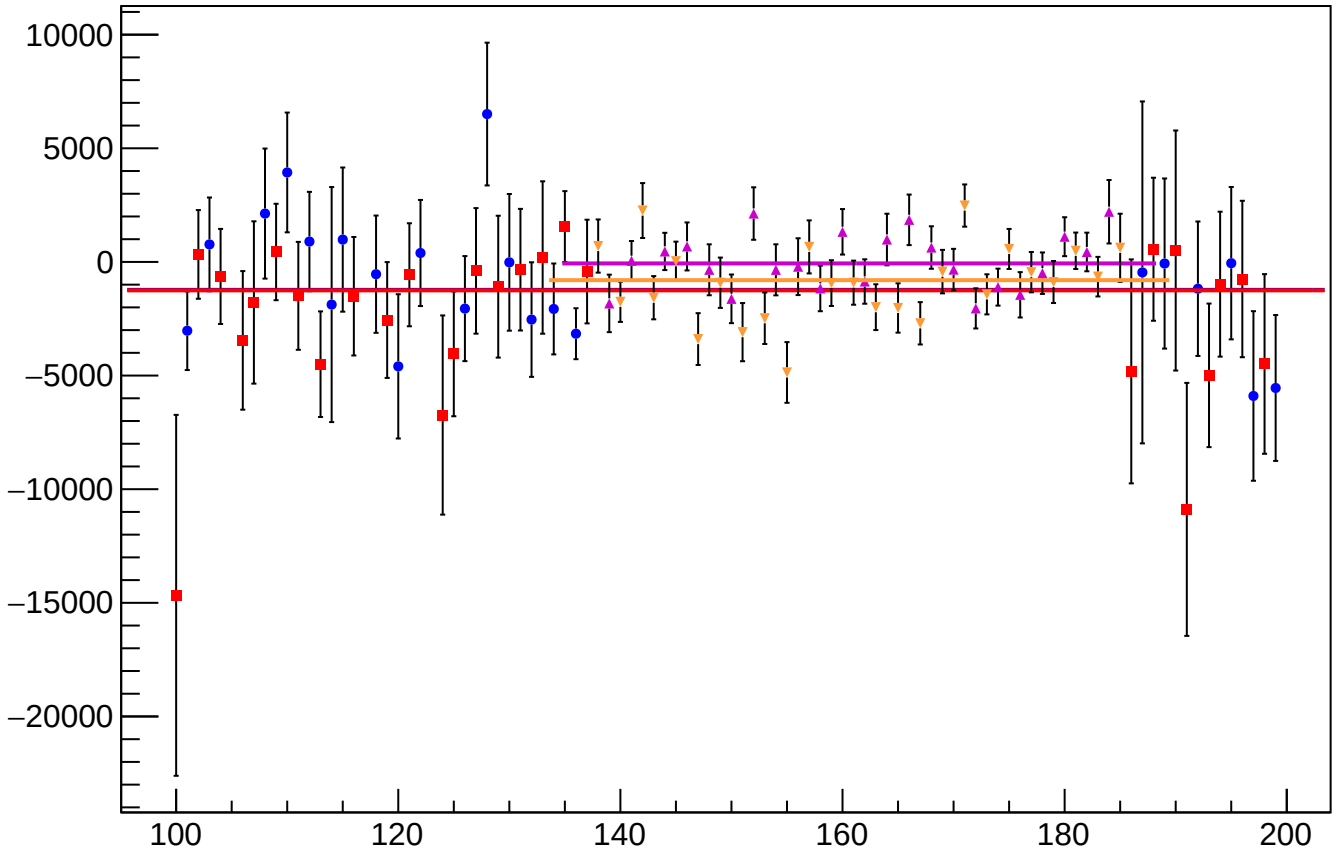
Right Out: 114.773+/-0.023 χ^2/NDF: 1103520.0/26

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 97.087+/-0.013 χ^2/NDF: 2239833.8/46

All: 97.469+/-0.009 χ^2/NDF: 4637692.4/96

- sign 97.857+/-0.013 χ^2/NDF: 2396021.1/49



Right In: -1229.698+/-521.495 χ^2/NDF: 23.7/21

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

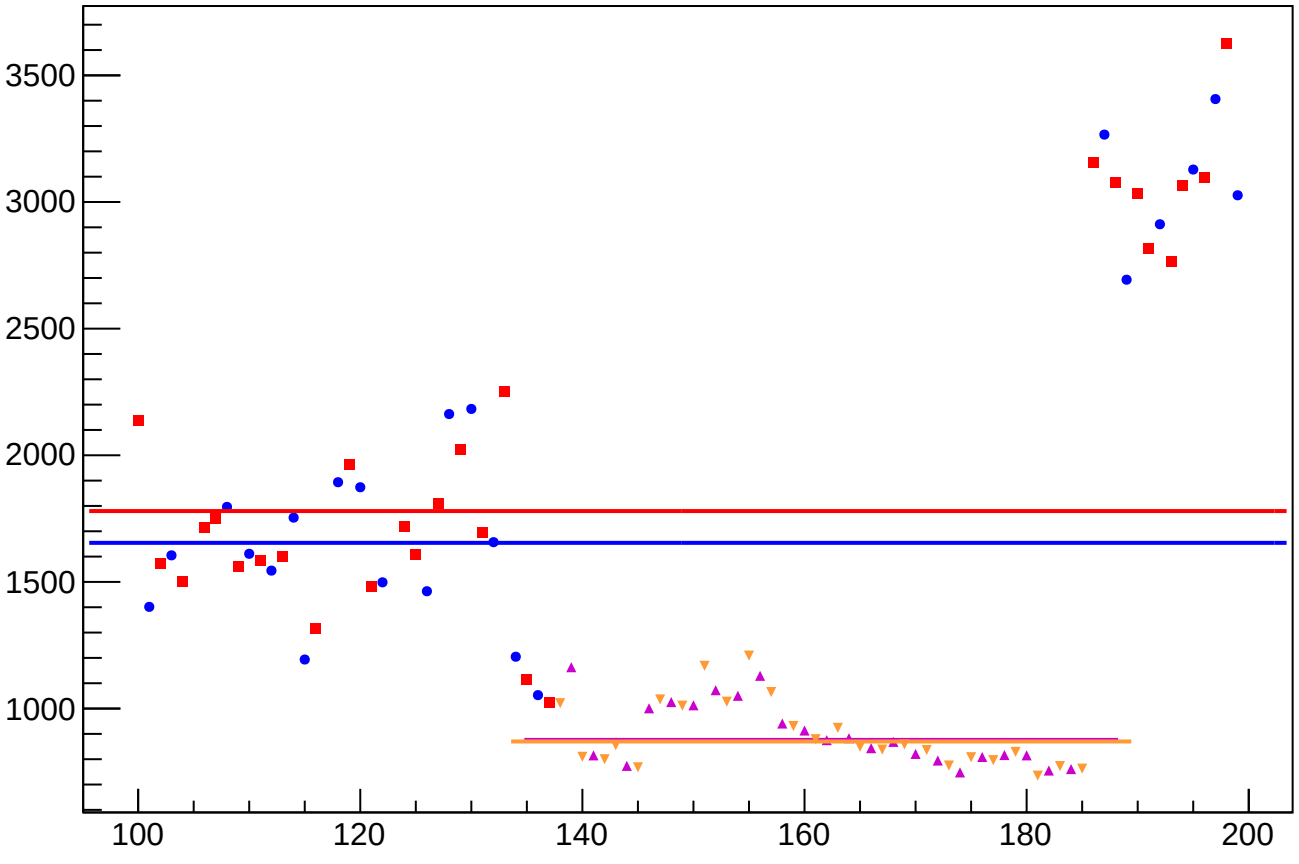
Right Out: -1250.013+/-528.450 χ^2/NDF: 19.5/26

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -857.233+/-186.617 χ^2/NDF: 82.6/46

All: -549.633+/-133.983 χ^2/NDF: 142.8/96

- sign -222.401+/-192.480 χ^2/NDF: 54.6/49



Right In: 1654.289+/-0.369 χ^2/NDF: 2737941.3/21

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1779.797+/-0.374 χ^2/NDF: 2788622.7/26

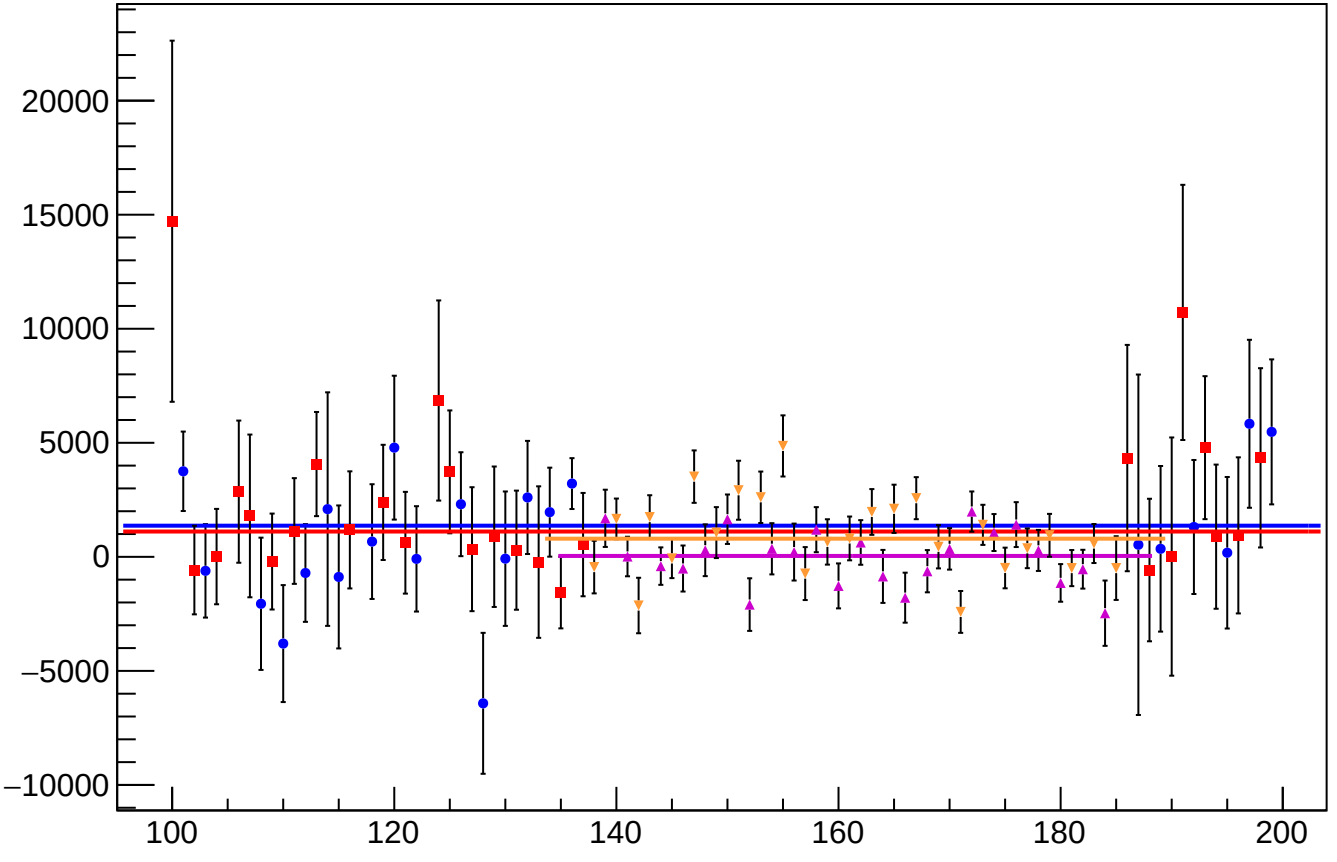
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 970.440+/-0.132 χ^2/NDF: 7329442.4/46

All: 982.893+/-0.095 χ^2/NDF: 15804587.4/96

- sign 996.140+/-0.136 χ^2/NDF: 8456765.4/49

asym_sam_24_68_dd_mean vs Slug



Right In: 1366.169+/-515.836 χ^2/NDF: 24.6/21

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1110.114+/-524.329 χ^2/NDF: 18.5/26

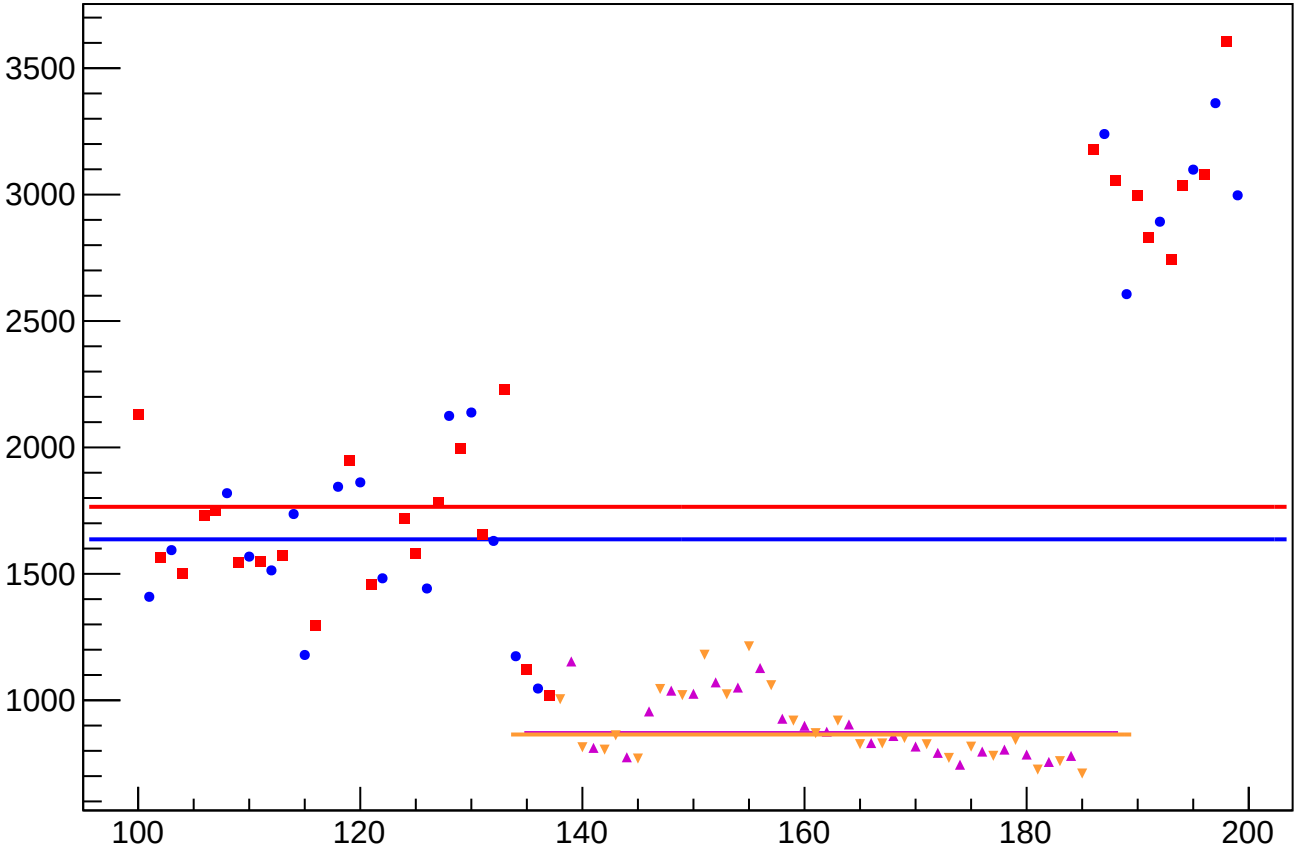
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 869.986+/-185.502 χ^2/NDF: 82.8/46

All: 536.455+/-133.142 χ^2/NDF: 141.3/96

- sign 182.090+/-191.208 χ^2/NDF: 51.8/49

asym_sam_24_68_dd_rms vs Slug



Right In: 1636.554+/-0.365 χ^2/NDF: 2715484.4/21

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

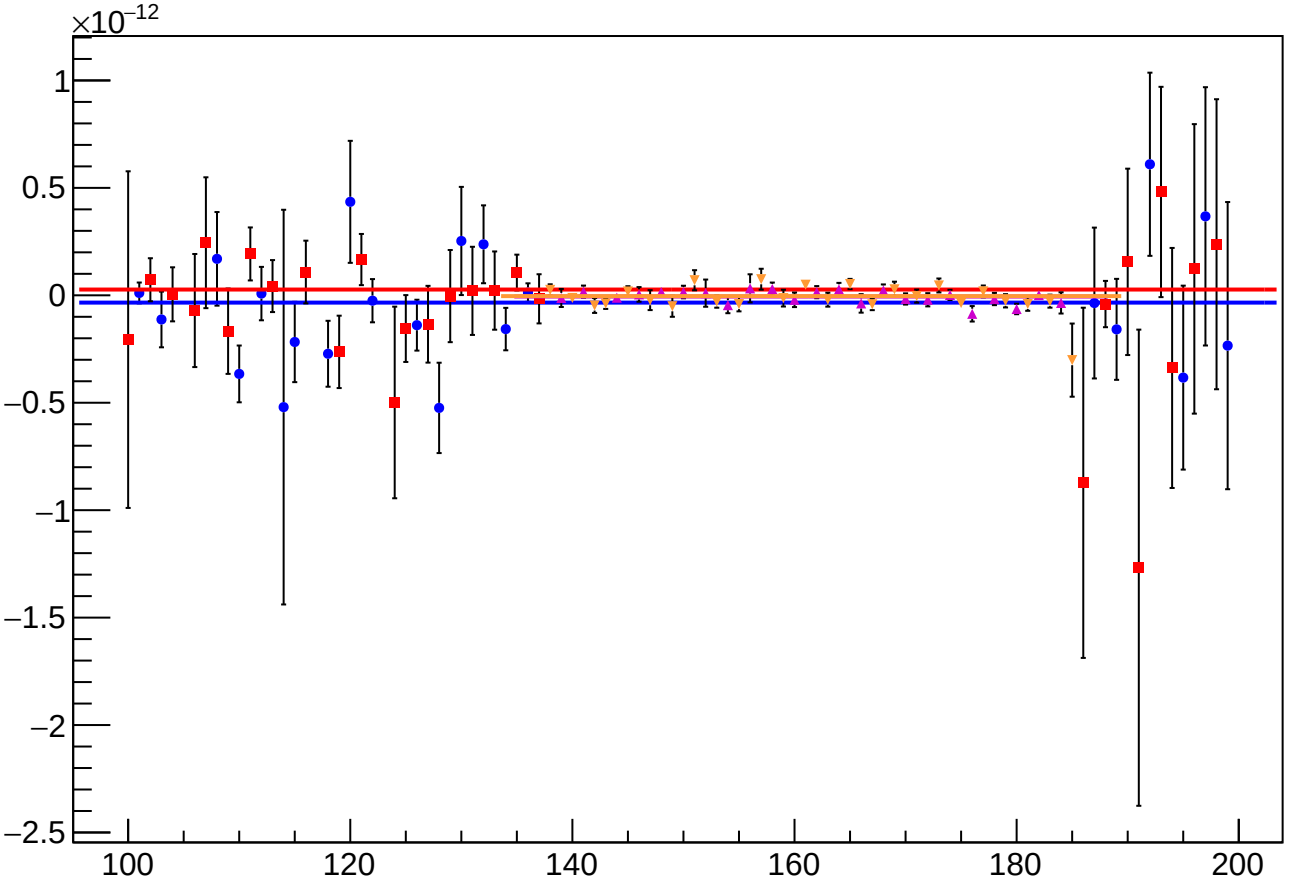
Right Out: 1765.100+/-0.371 χ^2/NDF: 2783265.3/26

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 964.463+/-0.131 χ^2/NDF: 7303903.3/46

All: 976.523+/-0.094 χ^2/NDF: 15758716.3/96

- sign 989.336+/-0.135 χ^2/NDF: 8437379.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/26

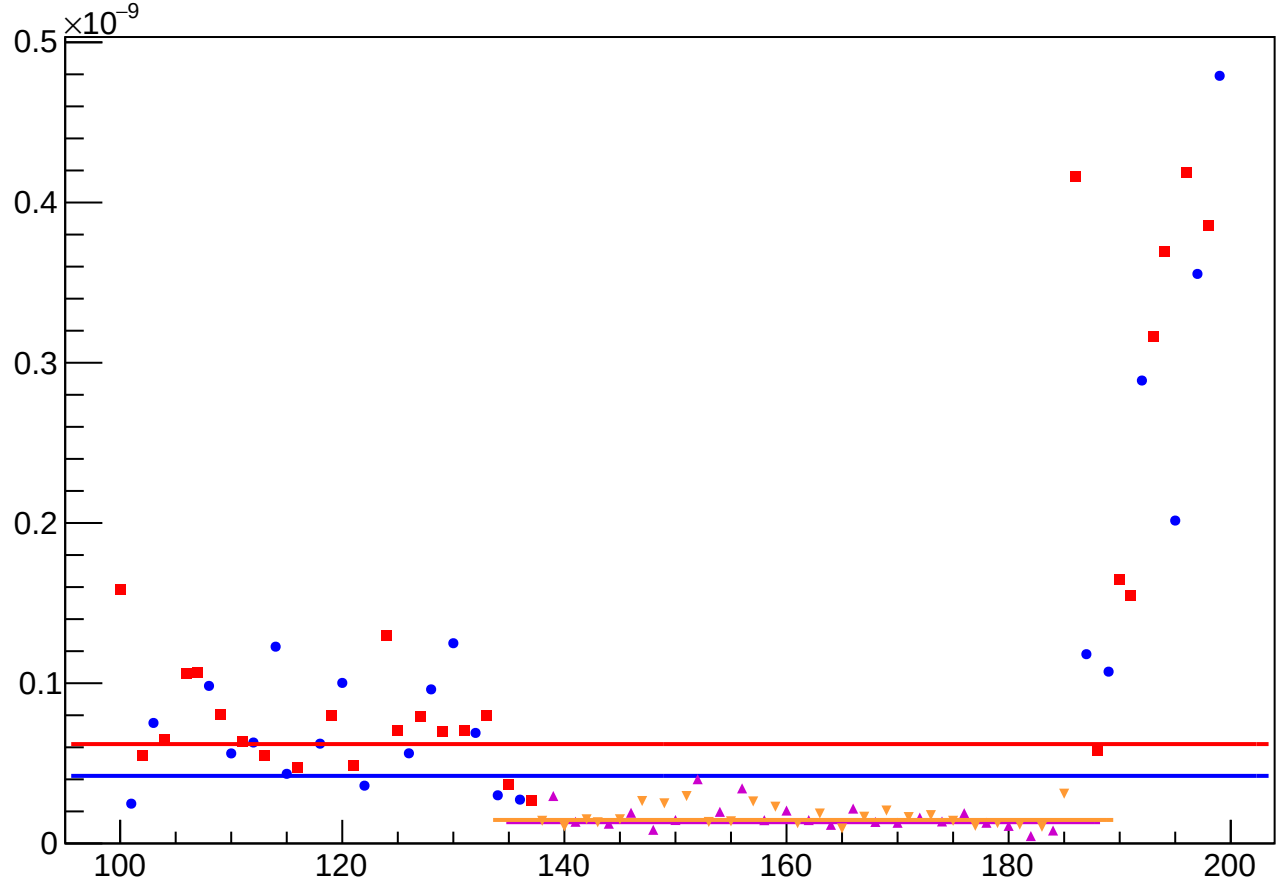
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.3/46

All: -0.000+/-0.000 χ^2/NDF: 110.4/96

- sign -0.000+/-0.000 χ^2/NDF: 39.1/49

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4017718.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

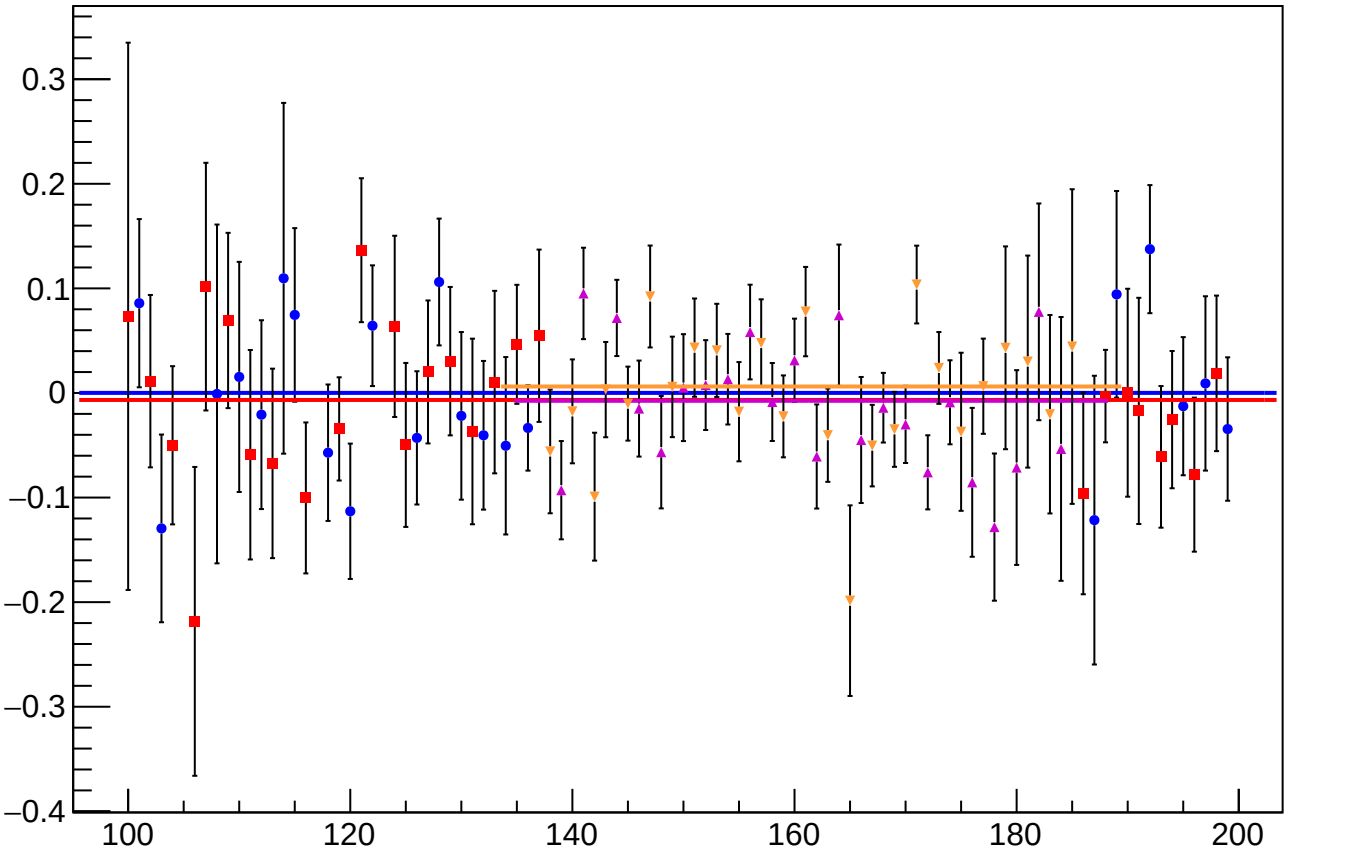
Right Out: 0.000+/-0.000 χ^2/NDF: 3377690.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7430936.8/46

All: 0.000+/-0.000 χ^2/NDF: 17330080.3/96

- sign 0.000+/-0.000 χ^2/NDF: 9852579.3/49



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.007+/-0.015 χ^2/NDF: 16.9/26

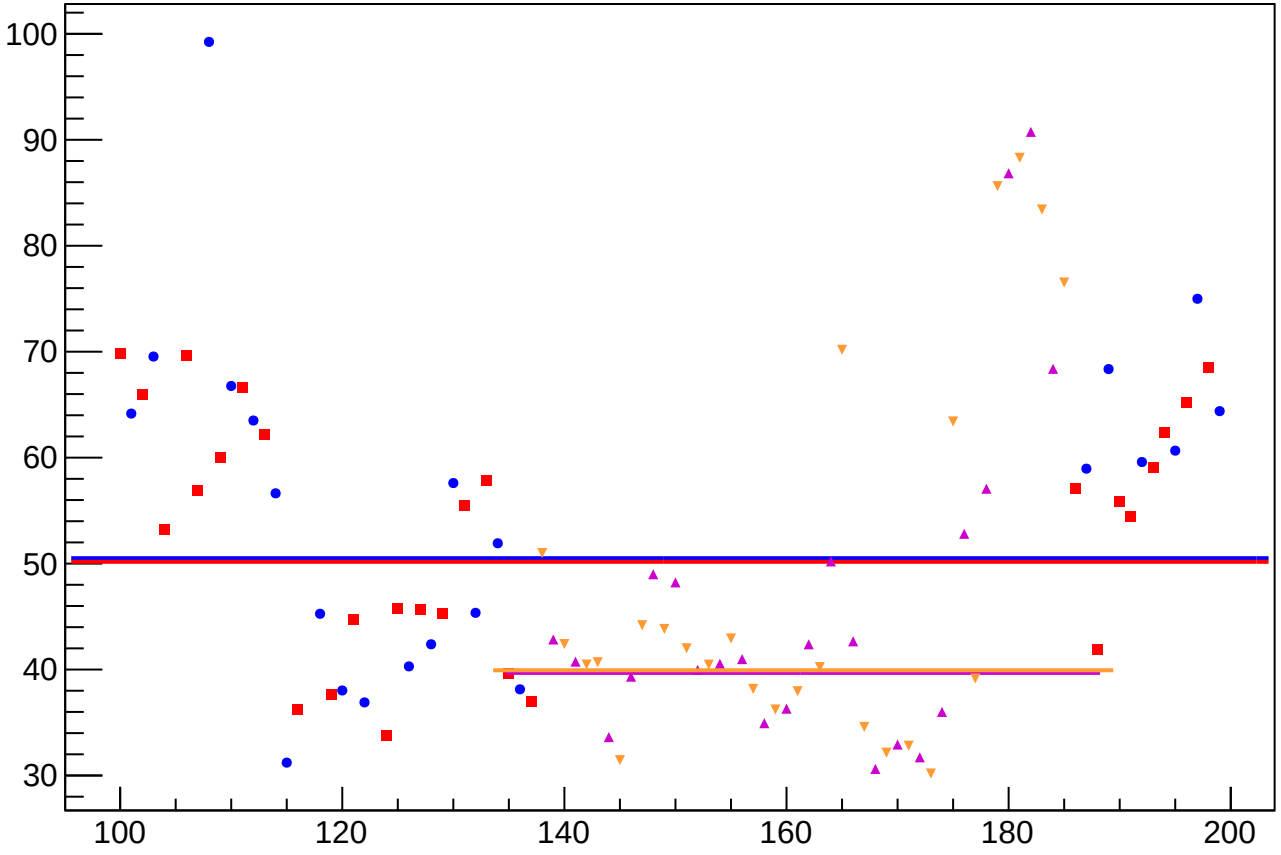
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.5/46

All: -0.001+/-0.006 χ^2/NDF: 100.8/96

- 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: 50.512+/-0.011 χ^2/NDF: 1439810.8/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

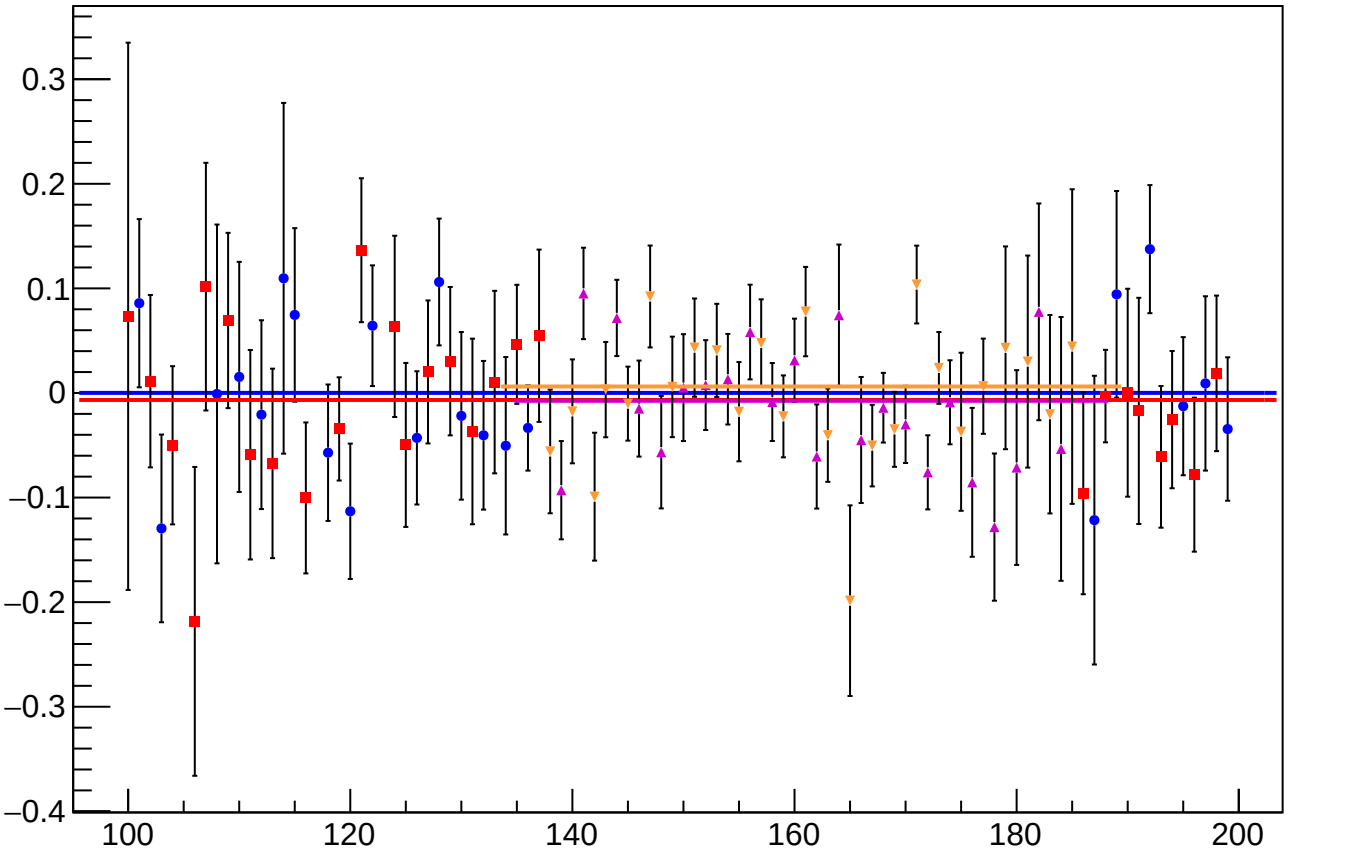
Right Out: 50.171+/-0.010 χ^2/NDF: 1097501.3/26

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 42.818+/-0.006 χ^2/NDF: 4582306.1/46

All: 42.871+/-0.004 χ^2/NDF: 8306561.1/96

- sign 42.924+/-0.006 χ^2/NDF: 3724085.1/49



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

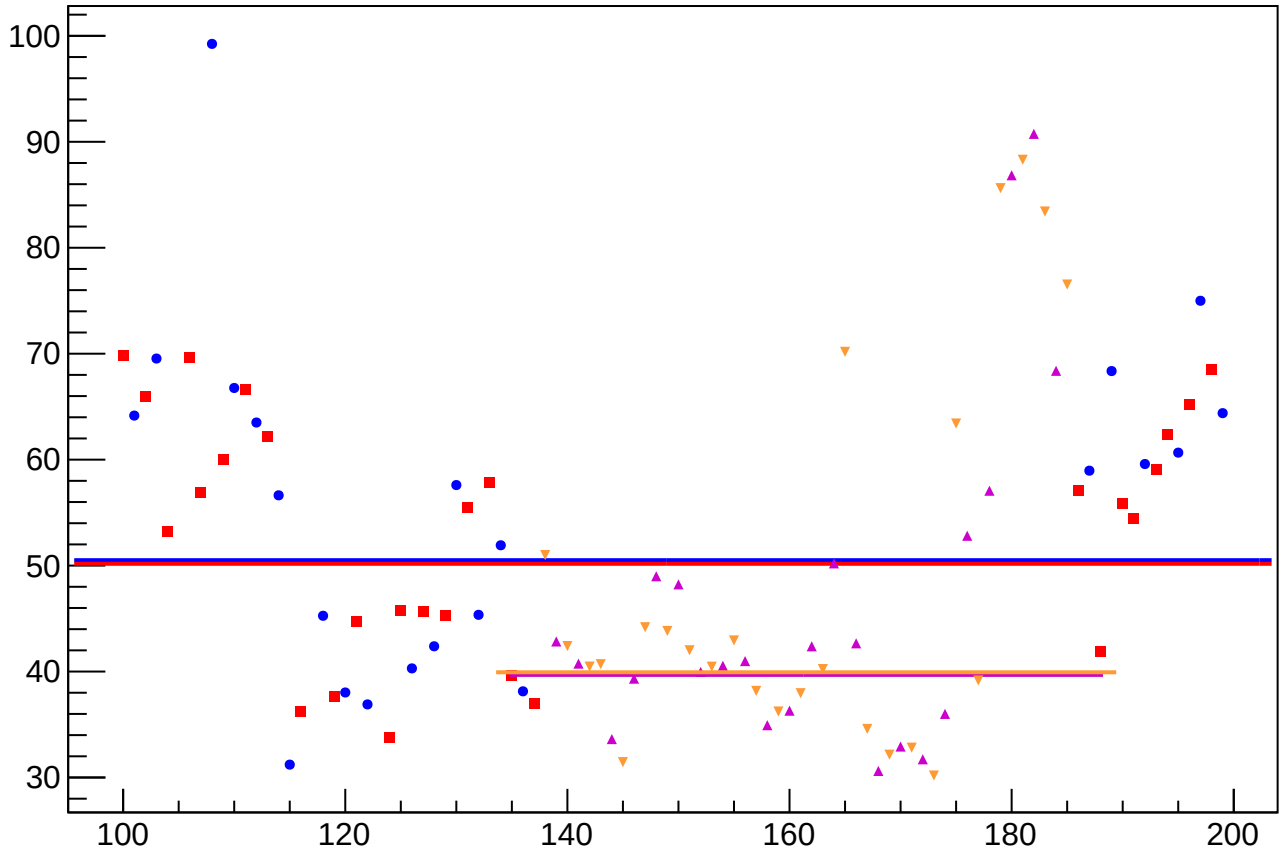
Right Out: -0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.5/46

All: -0.001+/-0.006 χ^2/NDF: 100.8/96

- sign -0.007+/-0.008 χ^2/NDF: 47.3/49



Right In: 50.512+/-0.011 χ^2/NDF: 1439810.8/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

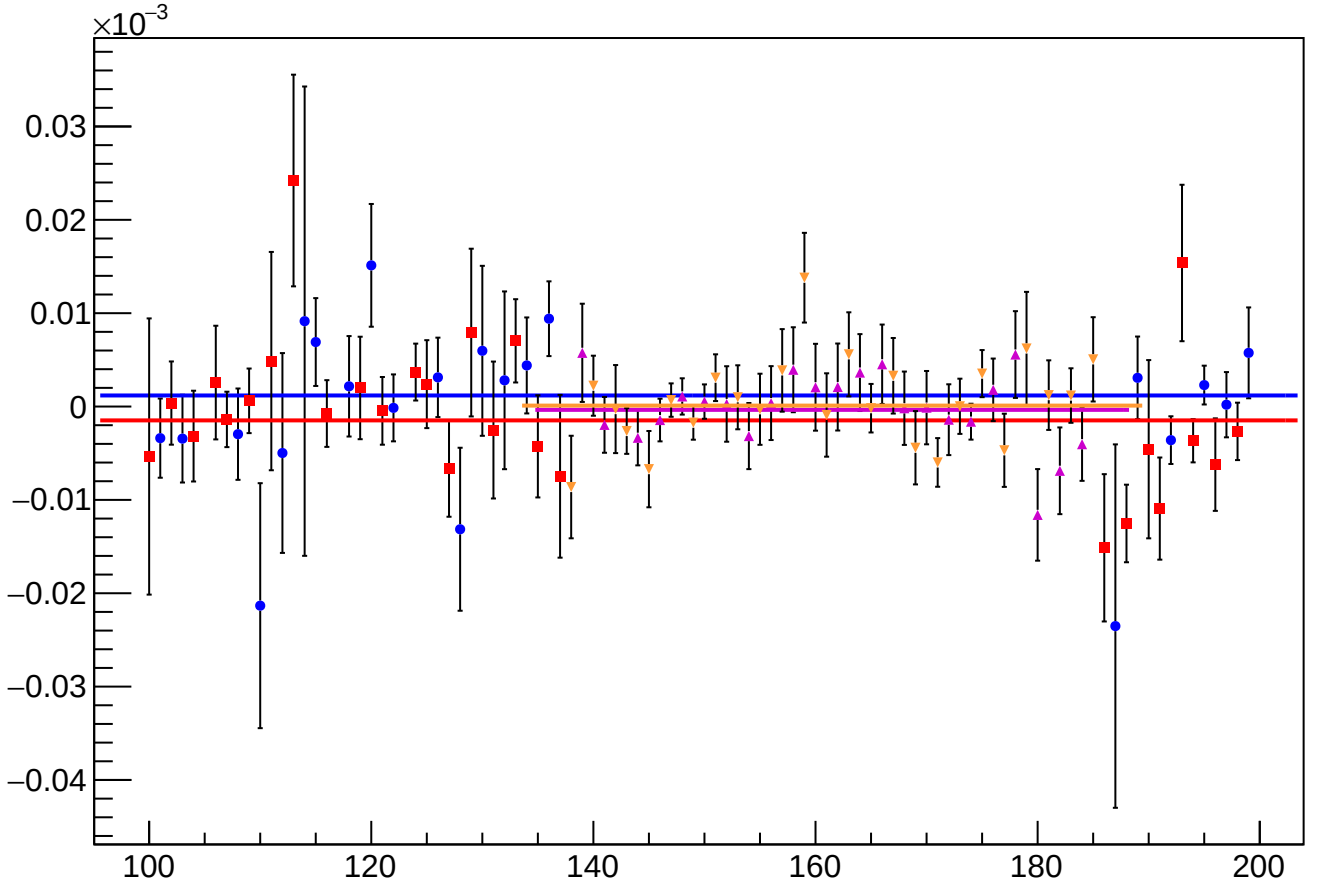
Right Out: 50.171+/-0.010 χ^2/NDF: 1097501.3/26

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 42.818+/-0.006 χ^2/NDF: 4582306.1/46

All: 42.871+/-0.004 χ^2/NDF: 8306561.1/96

- sign 42.924+/-0.006 χ^2/NDF: 3724085.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

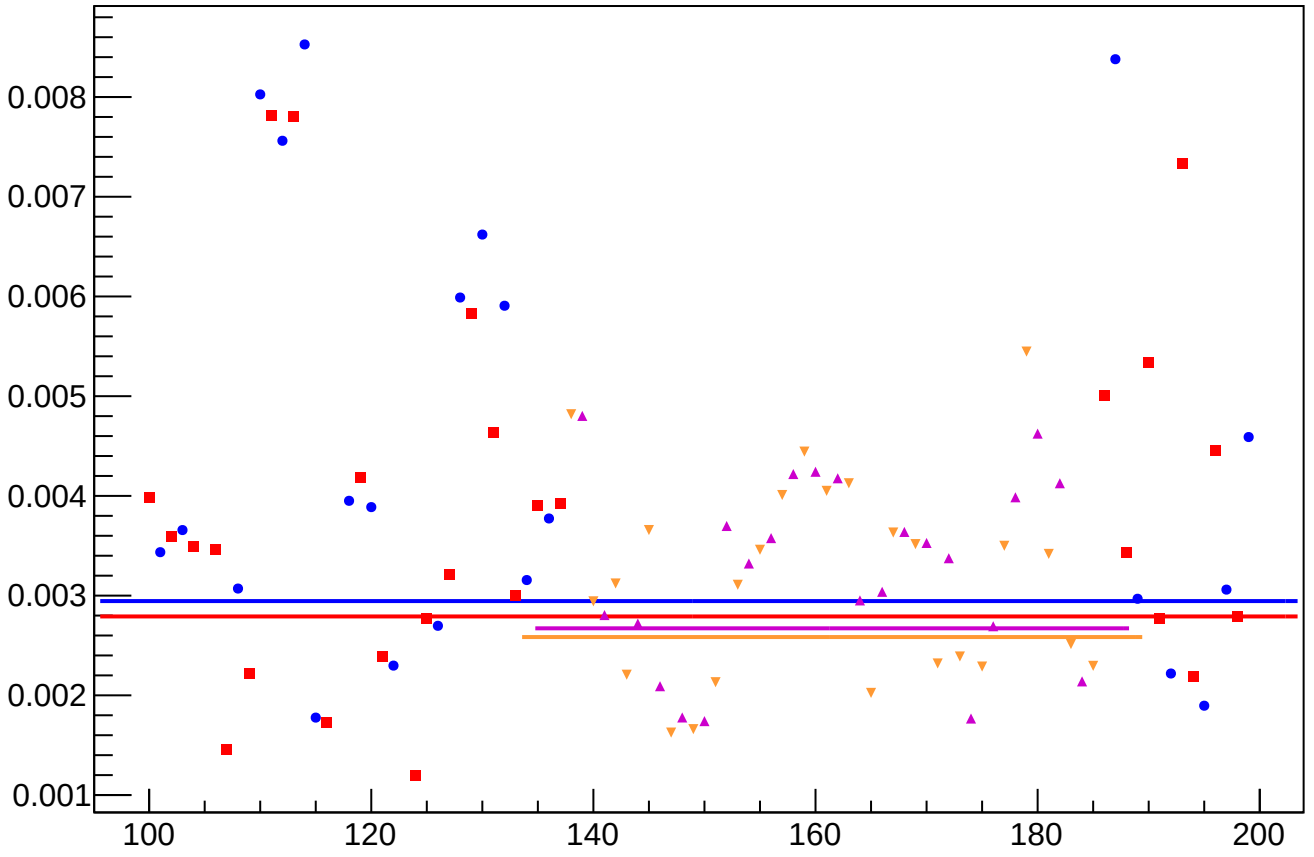
Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/26

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.8/46

All: -0.000+/-0.000 χ^2/NDF: 119.5/96

- sign -0.000+/-0.000 χ^2/NDF: 56.1/49



Right In: 0.003+/-0.000 χ^2/NDF: 3060208.3/21

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

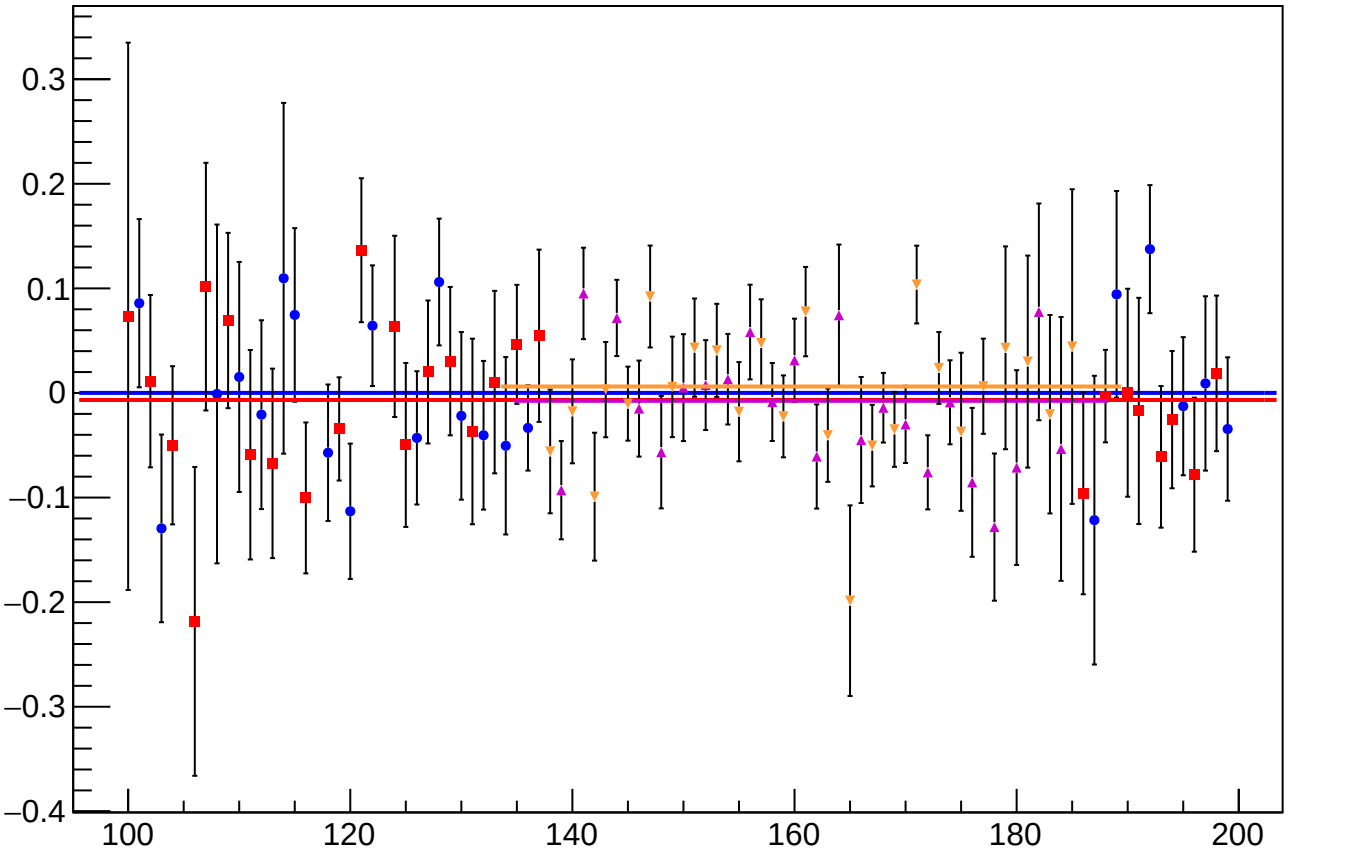
Right Out: 0.003+/-0.000 χ^2/NDF: 4026798.3/26

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 7152152.0/46

All: 0.003+/-0.000 χ^2/NDF: 15029915.6/96

- sign 0.003+/-0.000 χ^2/NDF: 7875830.0/49



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

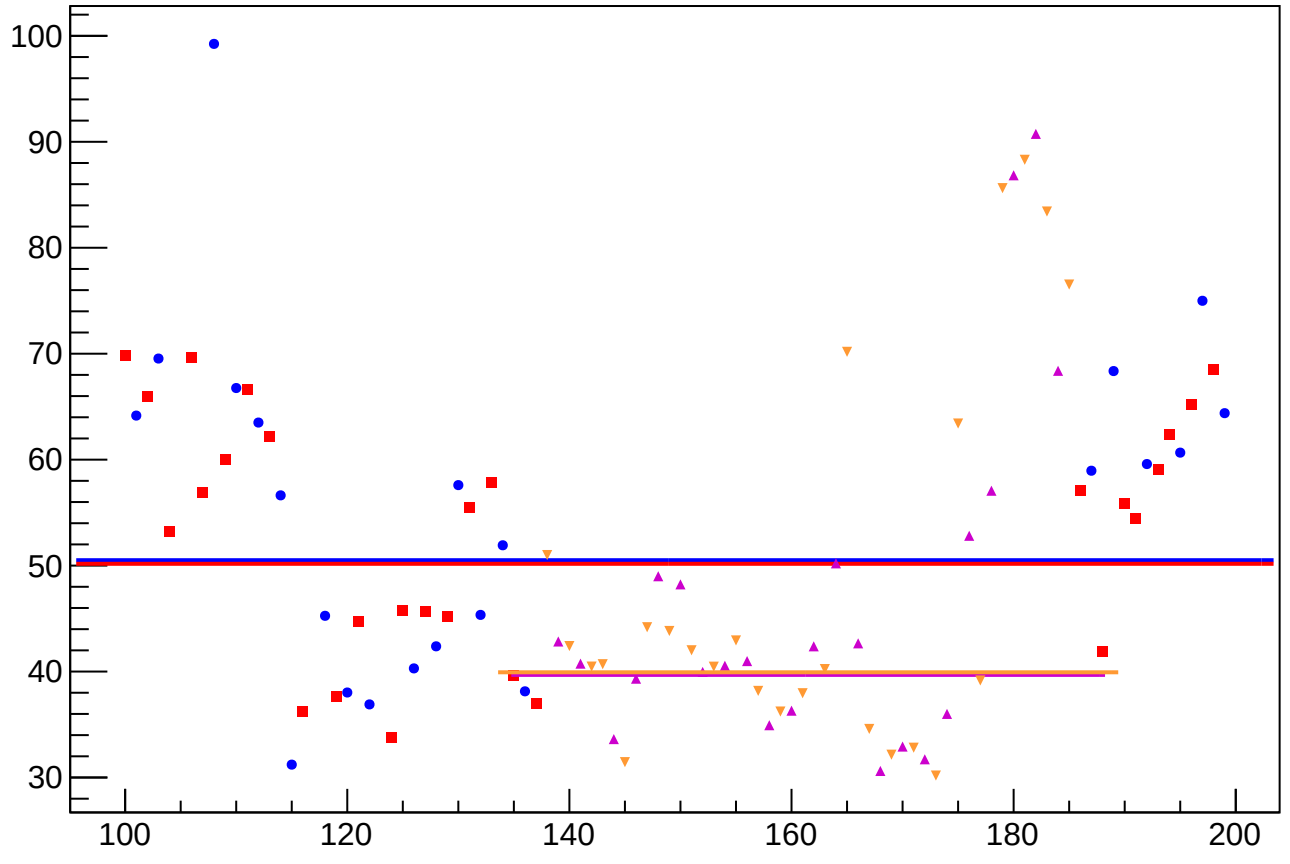
Right Out: -0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.5/46

All: -0.001+/-0.006 χ^2/NDF: 100.8/96

- sign -0.007+/-0.008 χ^2/NDF: 47.3/49



Right In: 50.510+/-0.011 χ^2/NDF: 1439853.5/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

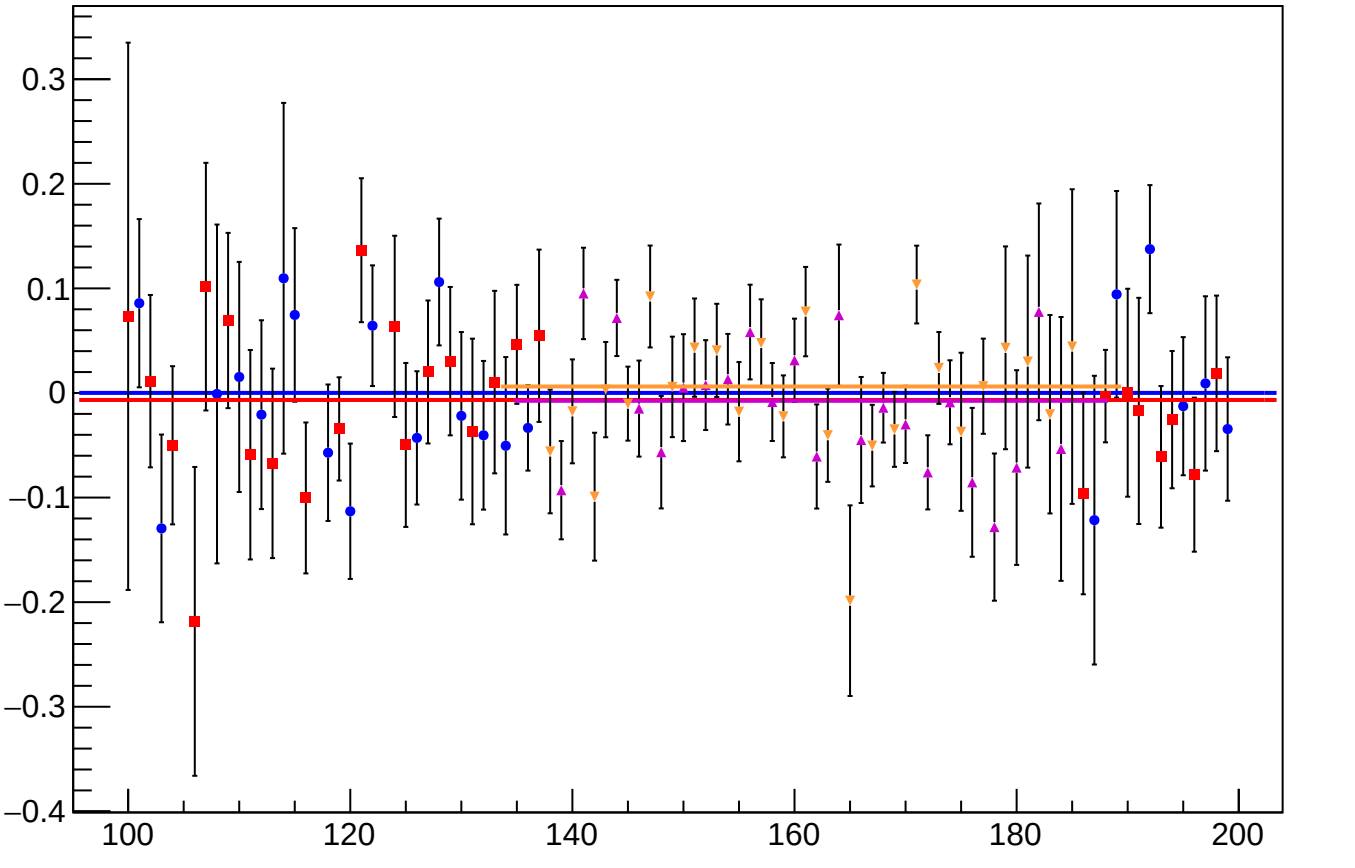
Right Out: 50.170+/-0.010 χ^2/NDF: 1097503.8/26

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 42.817+/-0.006 χ^2/NDF: 4582217.0/46

All: 42.871+/-0.004 χ^2/NDF: 8306437.4/96

- sign 42.924+/-0.006 χ^2/NDF: 3724050.8/49



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

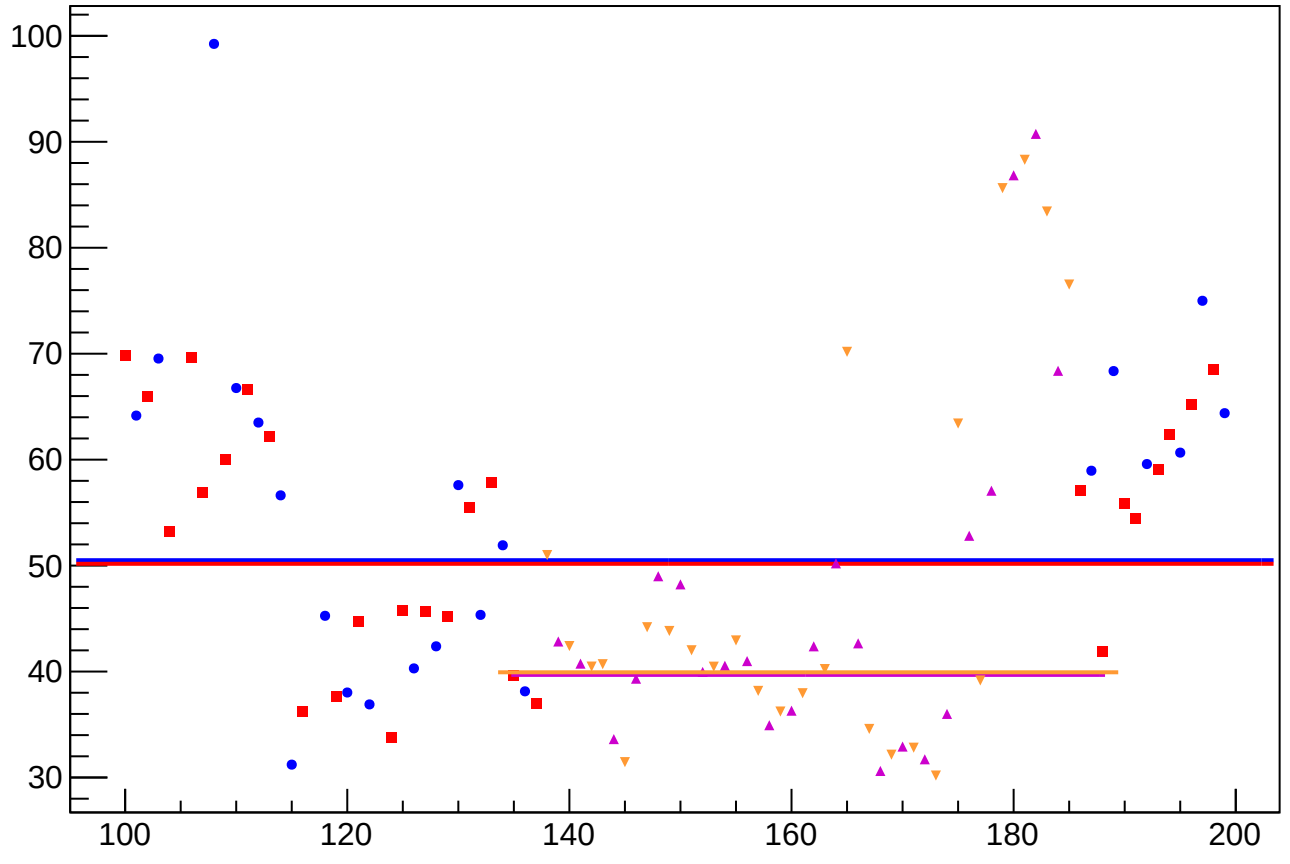
Right Out: -0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.5/46

All: -0.001+/-0.006 χ^2/NDF: 100.8/96

- sign -0.007+/-0.008 χ^2/NDF: 47.3/49



Right In: 50.510+/-0.011 χ^2/NDF: 1439853.5/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

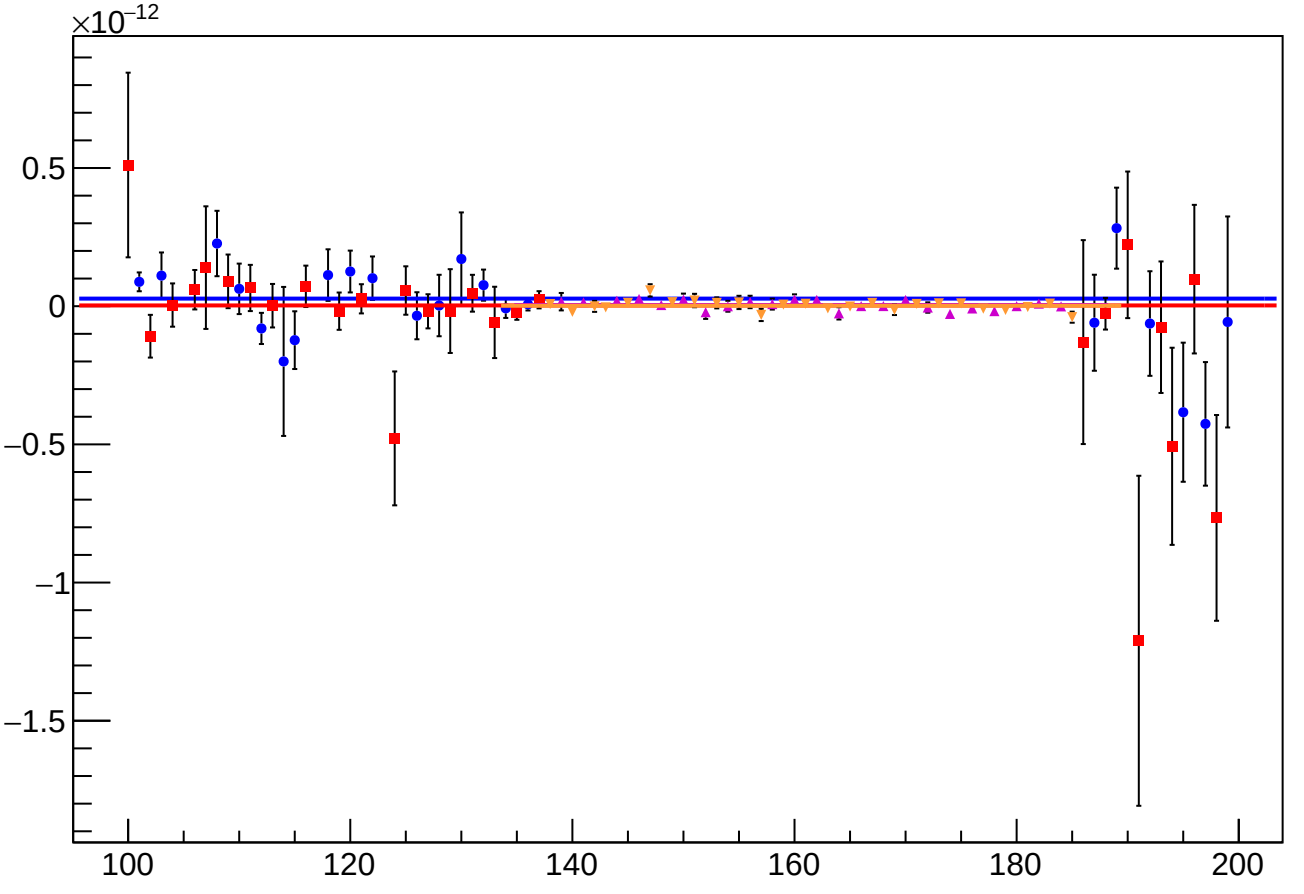
Right Out: 50.170+/-0.010 χ^2/NDF: 1097503.8/26

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 42.817+/-0.006 χ^2/NDF: 4582217.0/46

All: 42.871+/-0.004 χ^2/NDF: 8306437.4/96

- sign 42.924+/-0.006 χ^2/NDF: 3724050.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

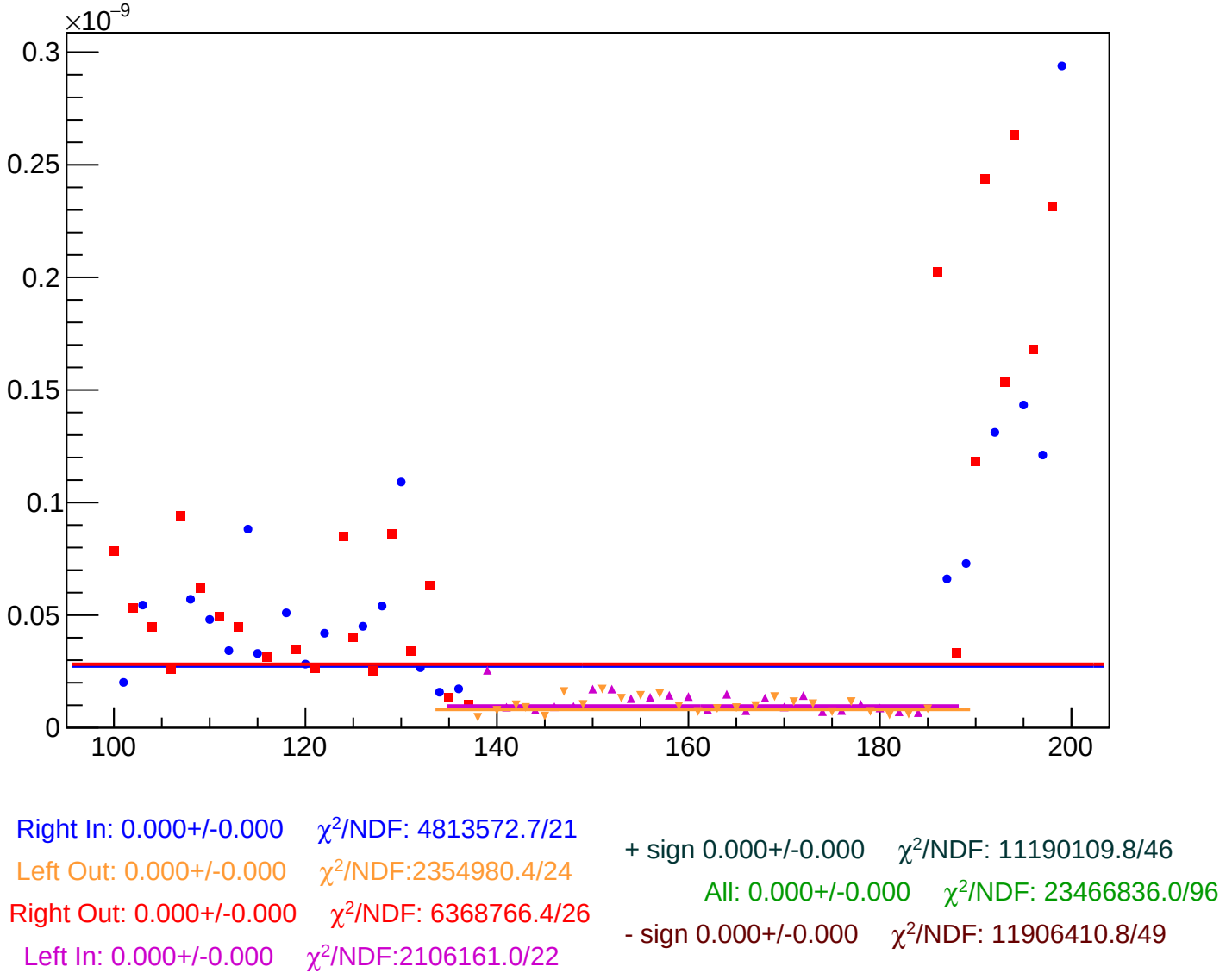
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/26

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

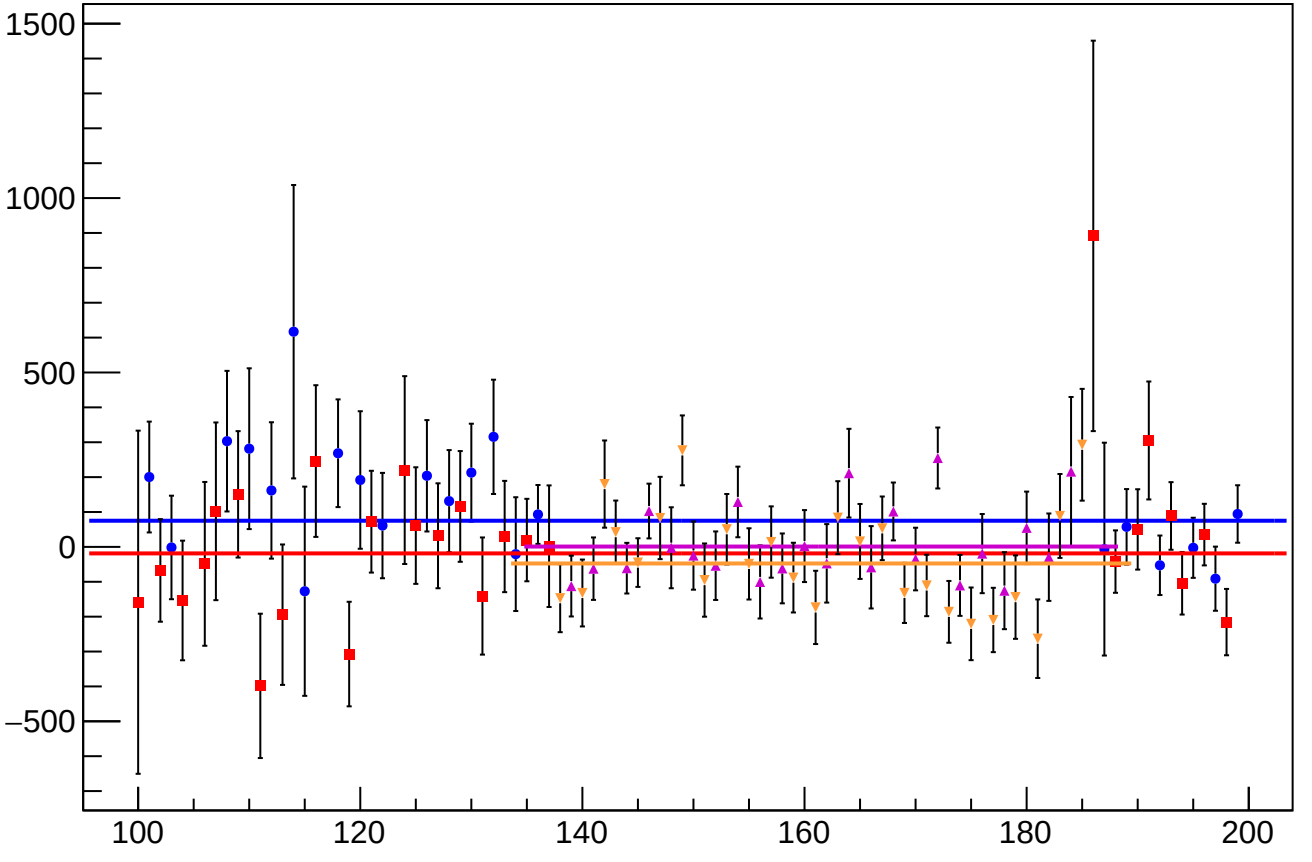
+ sign 0.000+/-0.000 χ^2/NDF: 62.8/46

All: 0.000+/-0.000 χ^2/NDF: 116.5/96

- sign 0.000+/-0.000 χ^2/NDF: 53.6/49


asym_sam_24_68_dd_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: 4813572.7/21
Left Out: 0.000+/-0.000 χ²/NDF:2354980.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 6368766.4/26
Left In: 0.000+/-0.000 χ²/NDF:2106161.0/22
+ sign 0.000+/-0.000 χ²/NDF: 11190109.8/46
All: 0.000+/-0.000 χ²/NDF: 23466836.0/96
- sign 0.000+/-0.000 χ²/NDF: 11906410.8/49

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 74.984+/-28.073 χ^2/NDF: 18.0/21

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -18.646+/-27.421 χ^2/NDF: 27.8/26

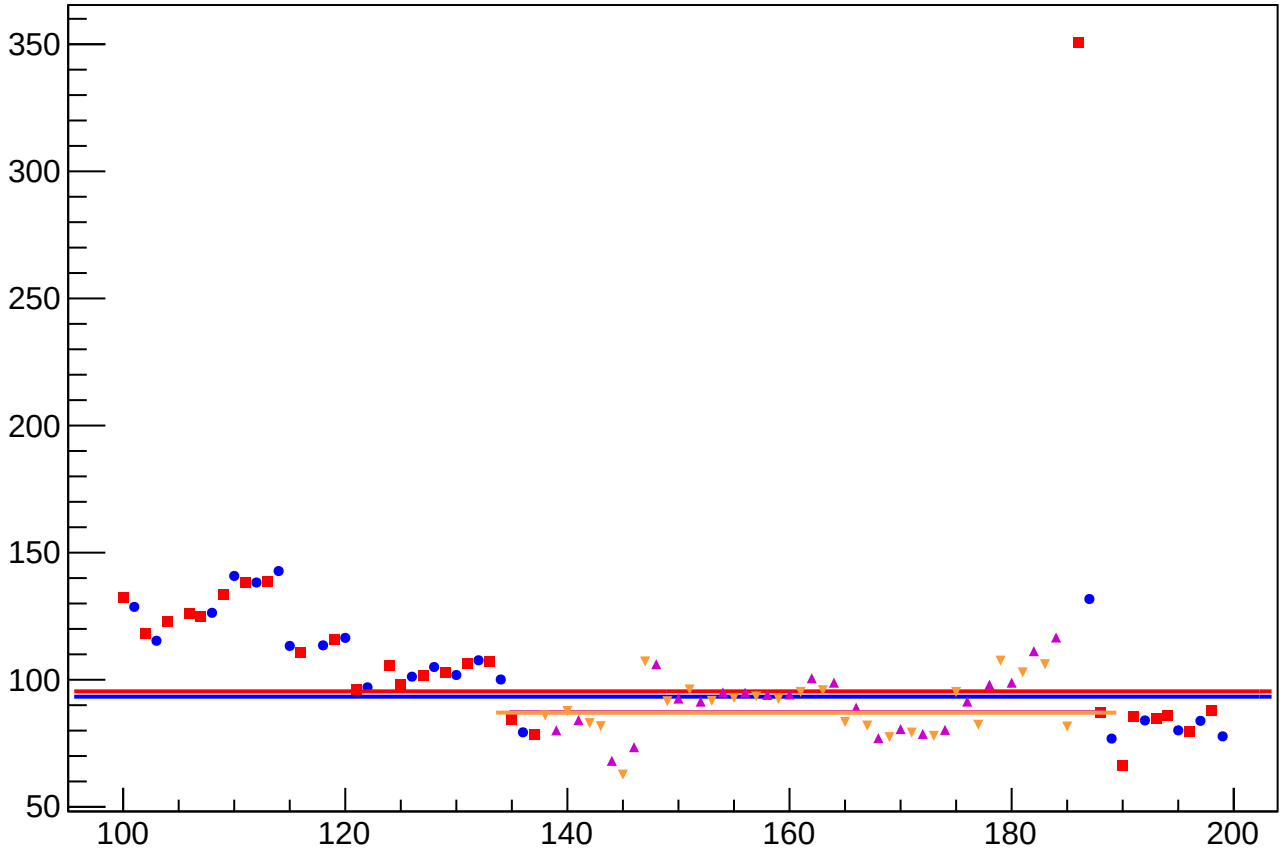
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -6.325+/-16.280 χ^2/NDF: 74.6/46

All: -6.213+/-11.579 χ^2/NDF: 128.2/96

- sign -6.098+/-16.472 χ^2/NDF: 53.6/49

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 93.349+/-0.020 χ^2/NDF: 827726.8/21

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

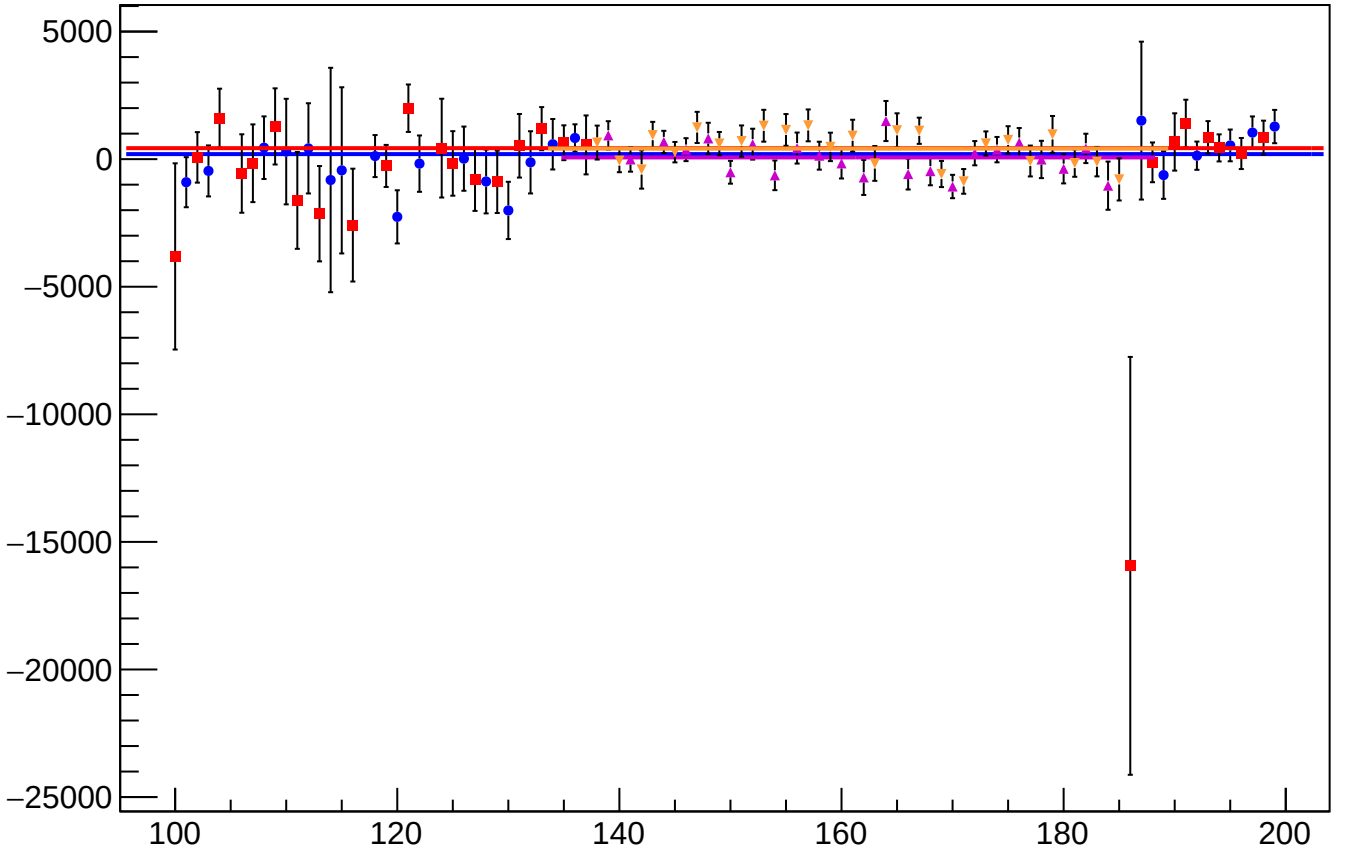
Right Out: 95.444+/-0.019 χ^2/NDF: 1246195.3/26

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.183+/-0.012 χ^2/NDF: 1514732.7/46

All: 89.691+/-0.008 χ^2/NDF: 3474620.2/96

- sign 90.211+/-0.012 χ^2/NDF: 1955946.3/49



Right In: 197.233+/-196.832 χ^2/NDF: 19.6/21

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

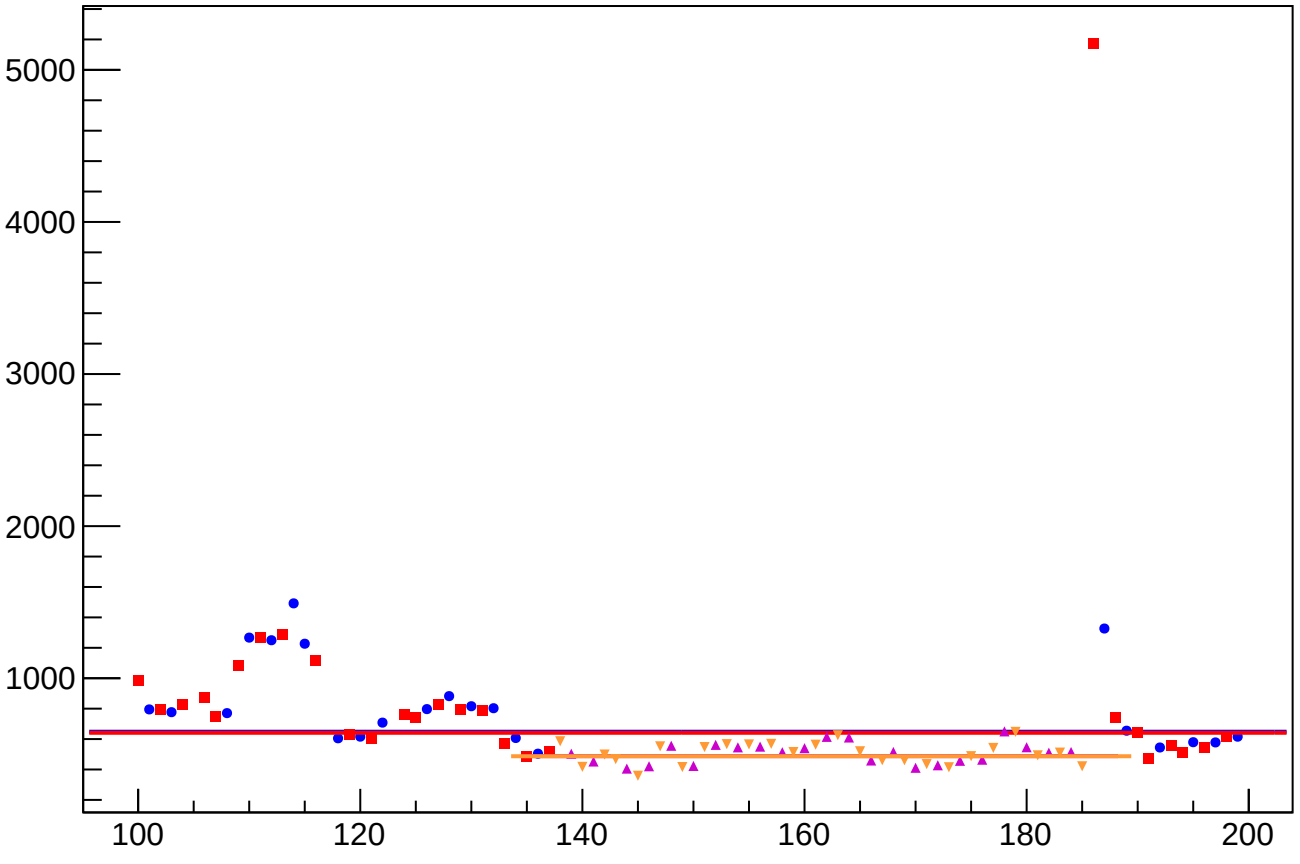
Right Out: 430.879+/-187.928 χ^2/NDF: 21.8/26

Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 362.570+/-97.565 χ^2/NDF: 52.9/46

All: 265.286+/-69.265 χ^2/NDF: 107.0/96

- sign 166.427+/-98.351 χ^2/NDF: 52.0/49



Right In: 648.271+/-0.139 χ^2/NDF: 1202241.5/21

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 641.409+/-0.133 χ^2/NDF: 2094570.6/26

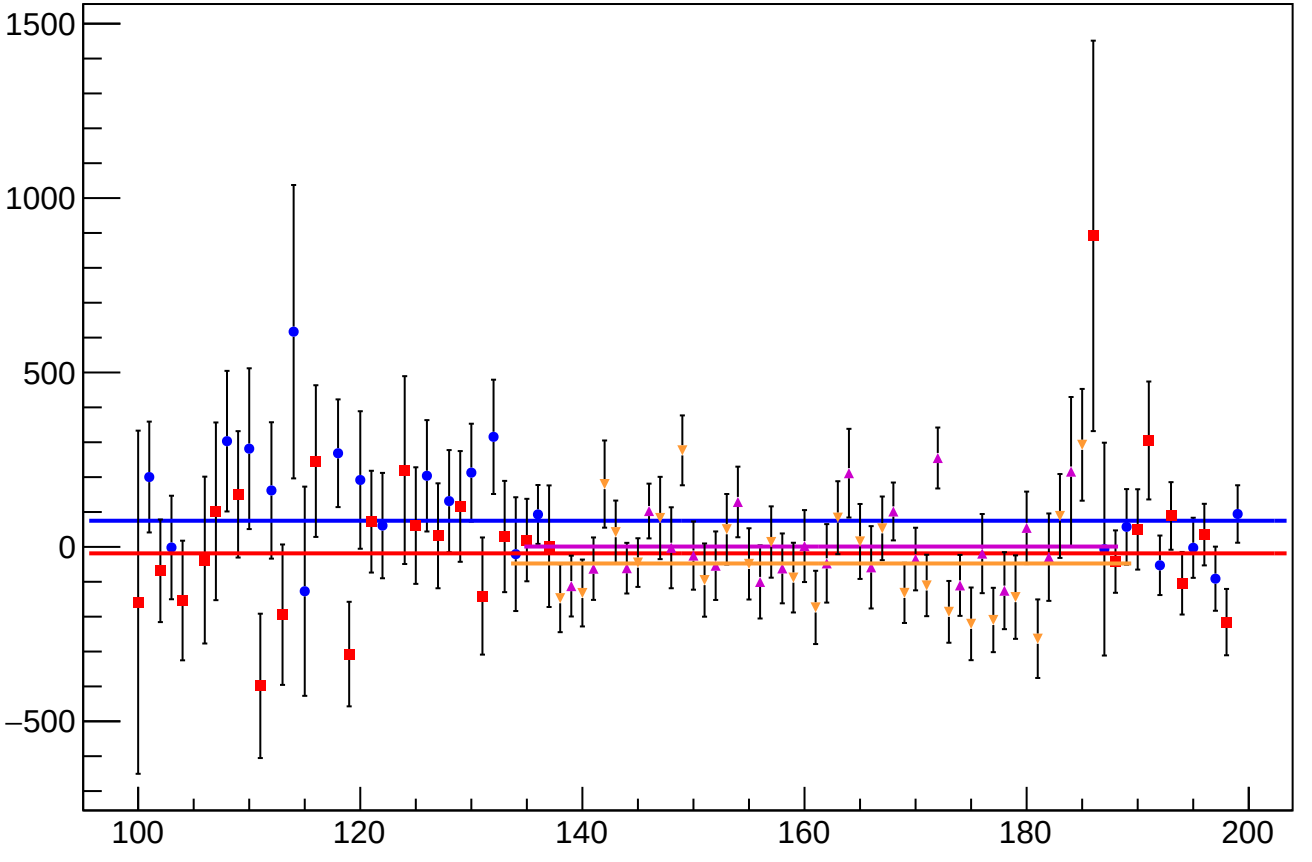
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 526.684+/-0.069 χ^2/NDF: 3035243.4/46

All: 528.312+/-0.049 χ^2/NDF: 6733804.6/96

- sign 529.966+/-0.070 χ^2/NDF: 3697438.7/49

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 74.974+/-28.073 χ^2/NDF: 18.0/21

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -18.523+/-27.428 χ^2/NDF: 27.8/26

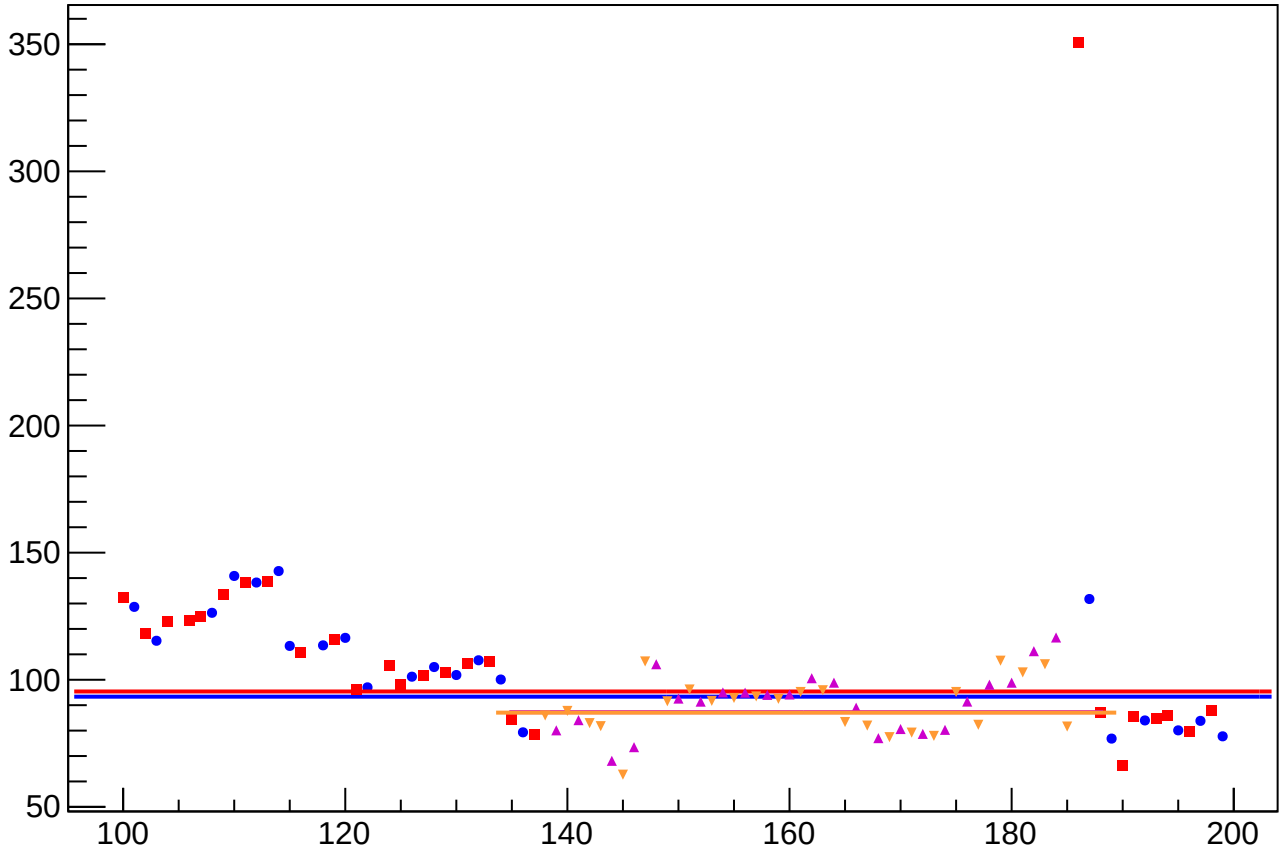
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -6.333+/-16.280 χ^2/NDF: 74.6/46

All: -6.193+/-11.579 χ^2/NDF: 128.2/96

- sign -6.050+/-16.473 χ^2/NDF: 53.5/49

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 93.349+/-0.020 χ^2/NDF: 827727.2/21

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

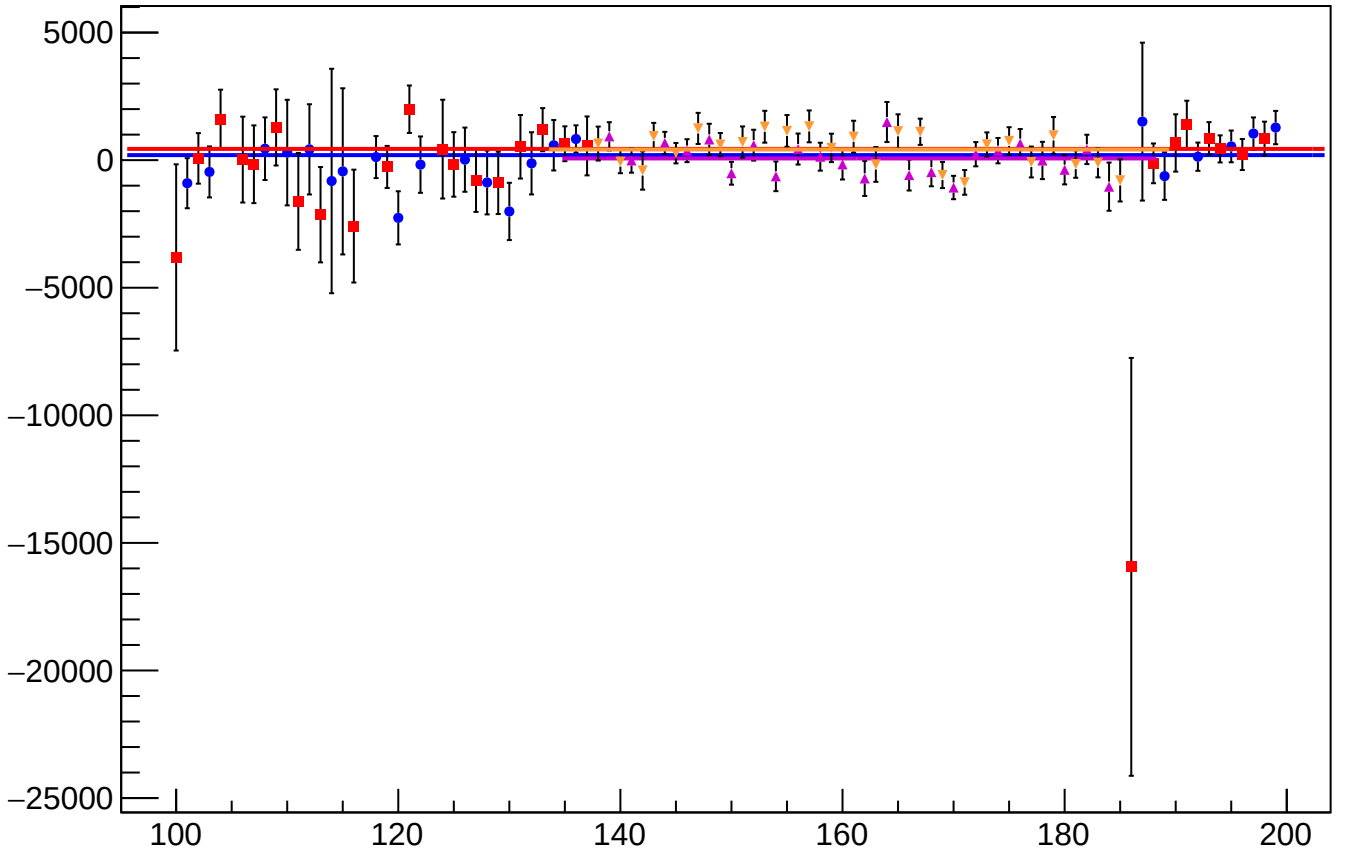
Right Out: 95.392+/-0.019 χ^2/NDF: 1239298.6/26

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.183+/-0.012 χ^2/NDF: 1514733.1/46

All: 89.681+/-0.008 χ^2/NDF: 3466105.1/96

- sign 90.191+/-0.012 χ^2/NDF: 1947580.0/49



Right In: 197.235+/-196.832 χ^2/NDF: 19.6/21

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 440.649+/-188.165 χ^2/NDF: 21.4/26

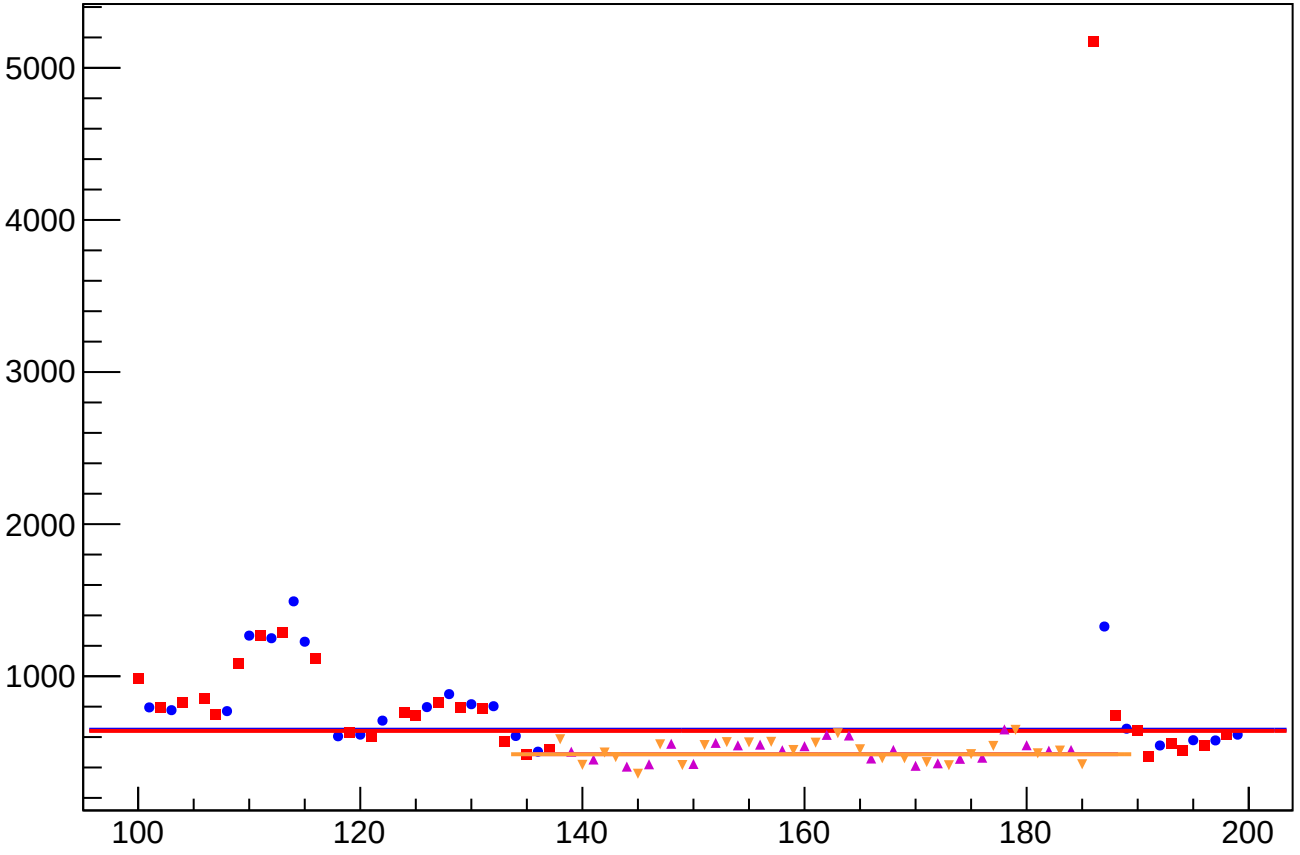
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 362.565+/-97.565 χ^2/NDF: 52.9/46

All: 266.550+/-69.277 χ^2/NDF: 106.7/96

- sign 168.914+/-98.385 χ^2/NDF: 51.8/49

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 648.271+/-0.139 χ^2/NDF: 1202253.8/21

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 640.587+/-0.133 χ^2/NDF: 2080790.7/26

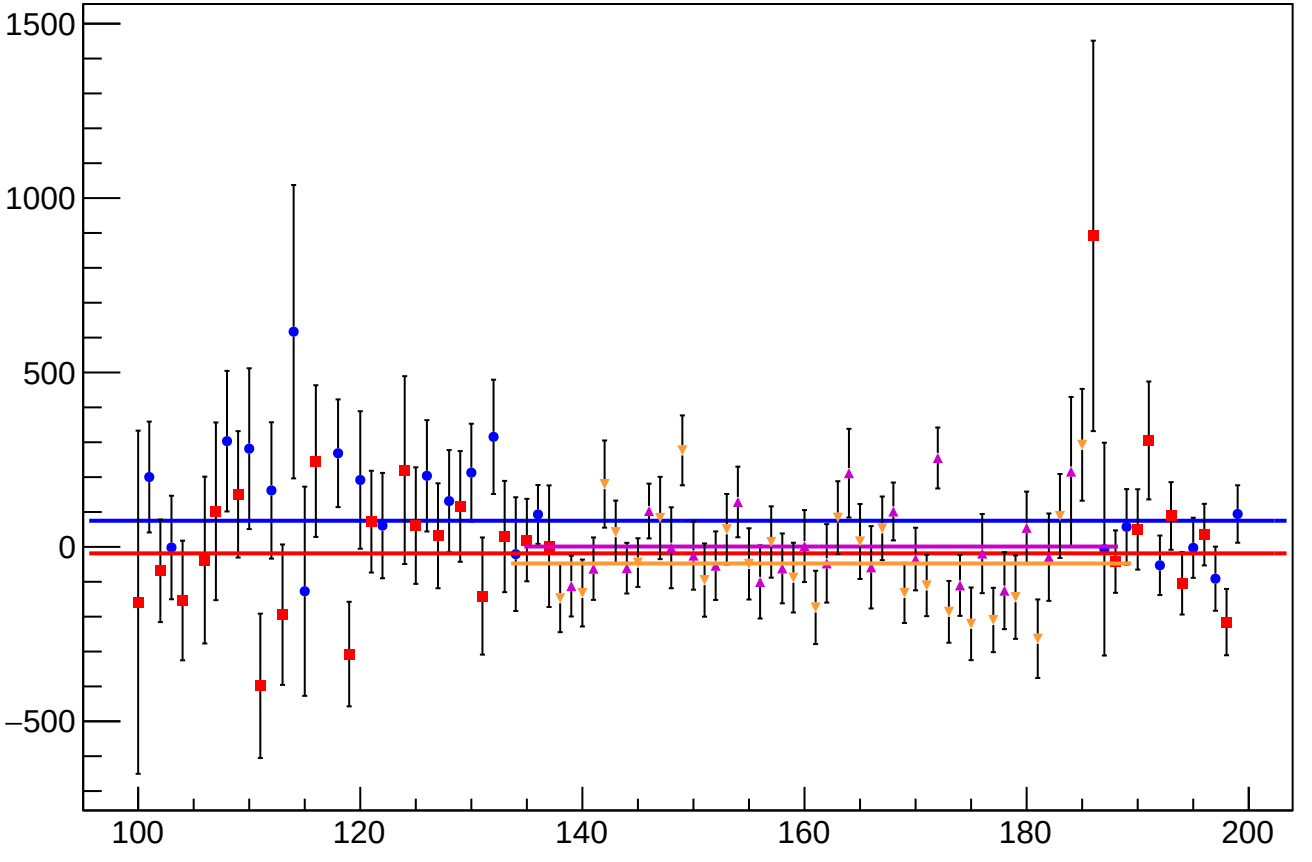
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 526.684+/-0.069 χ^2/NDF: 3035248.6/46

All: 528.162+/-0.049 χ^2/NDF: 6707740.7/96

- sign 529.665+/-0.070 χ^2/NDF: 3671566.8/49

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 74.974+/-28.073 χ^2/NDF: 18.0/21

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -18.523+/-27.428 χ^2/NDF: 27.8/26

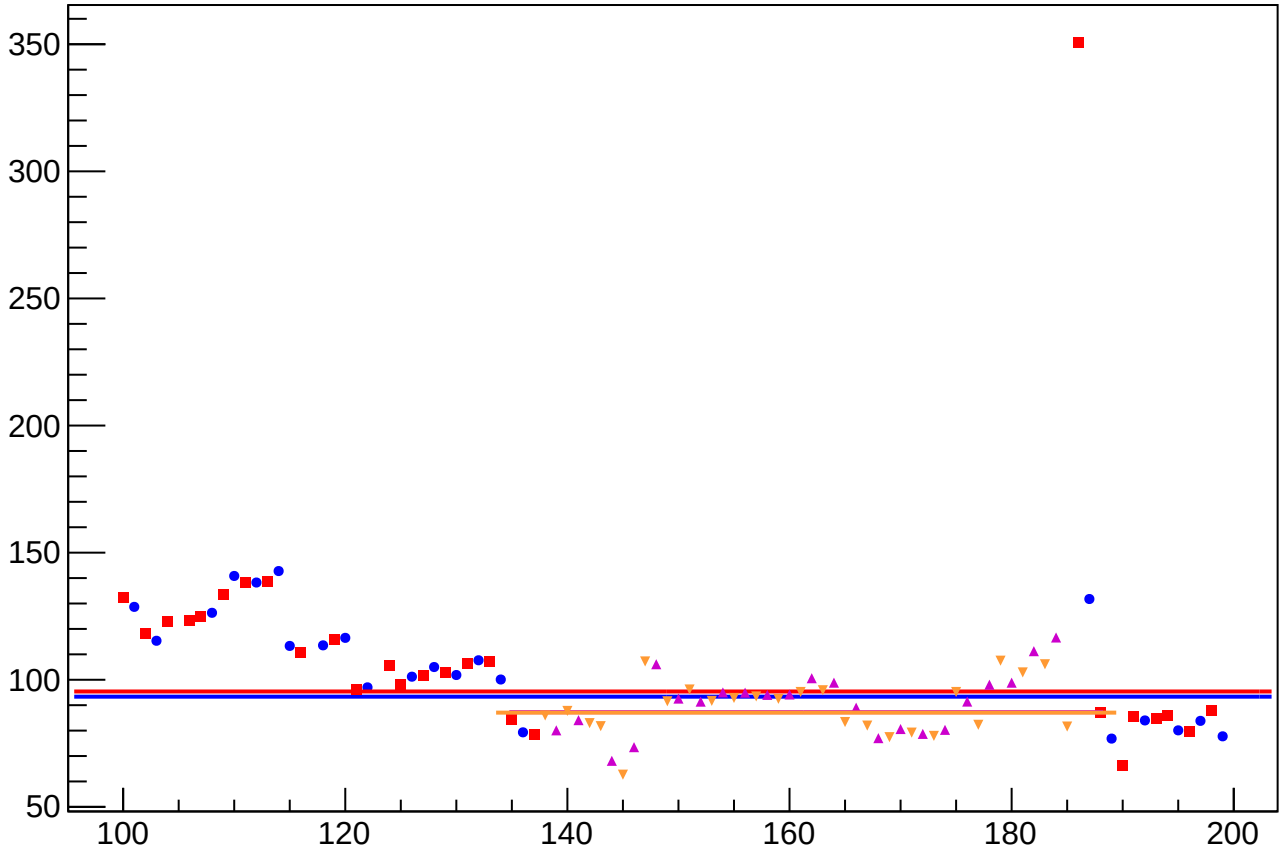
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -6.333+/-16.280 χ^2/NDF: 74.6/46

All: -6.193+/-11.579 χ^2/NDF: 128.2/96

- sign -6.050+/-16.473 χ^2/NDF: 53.5/49

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 93.349+/-0.020 χ^2/NDF: 827727.2/21

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

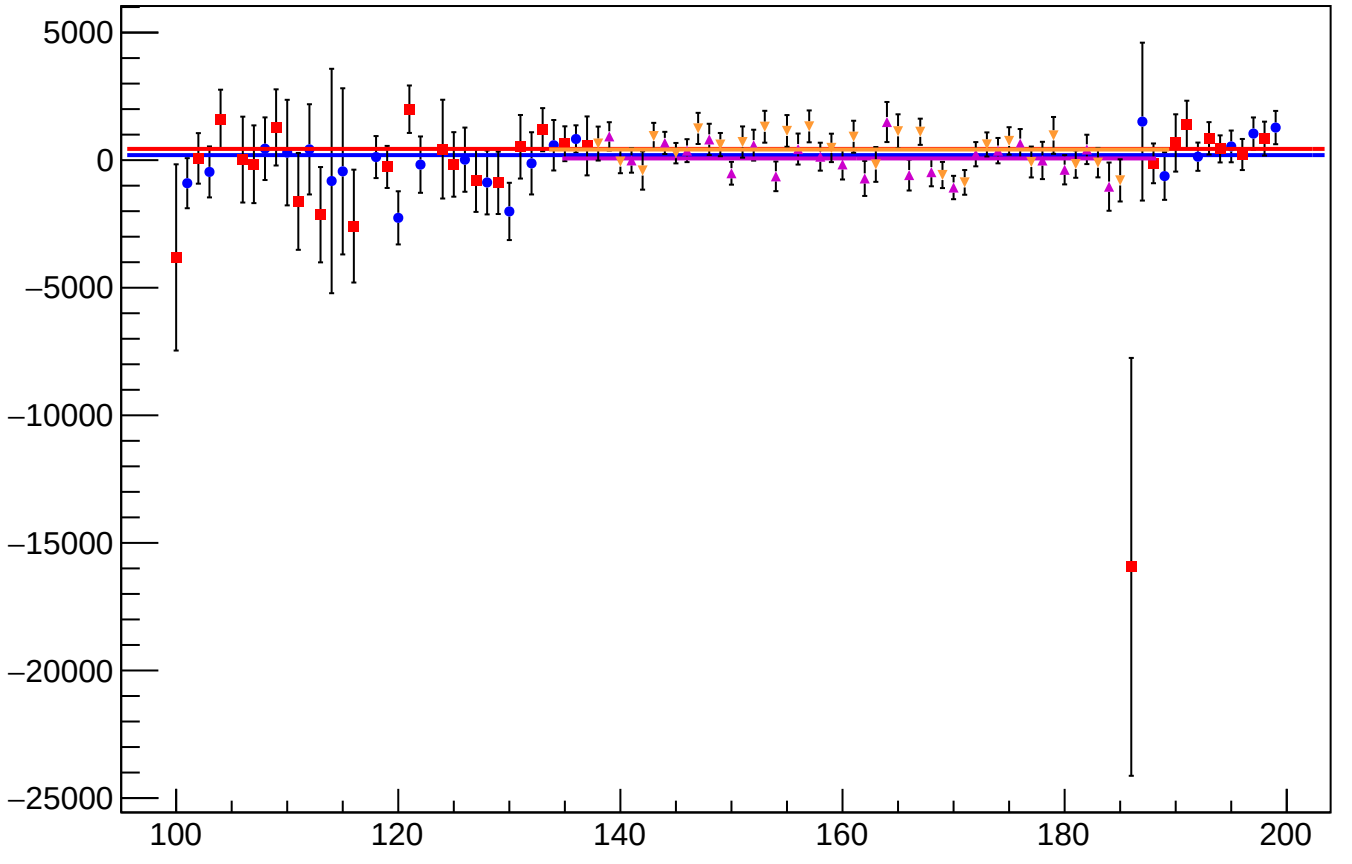
Right Out: 95.392+/-0.019 χ^2/NDF: 1239298.6/26

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.183+/-0.012 χ^2/NDF: 1514733.1/46

All: 89.681+/-0.008 χ^2/NDF: 3466105.1/96

- sign 90.191+/-0.012 χ^2/NDF: 1947580.0/49



Right In: 197.235+/-196.832 χ^2/NDF: 19.6/21

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

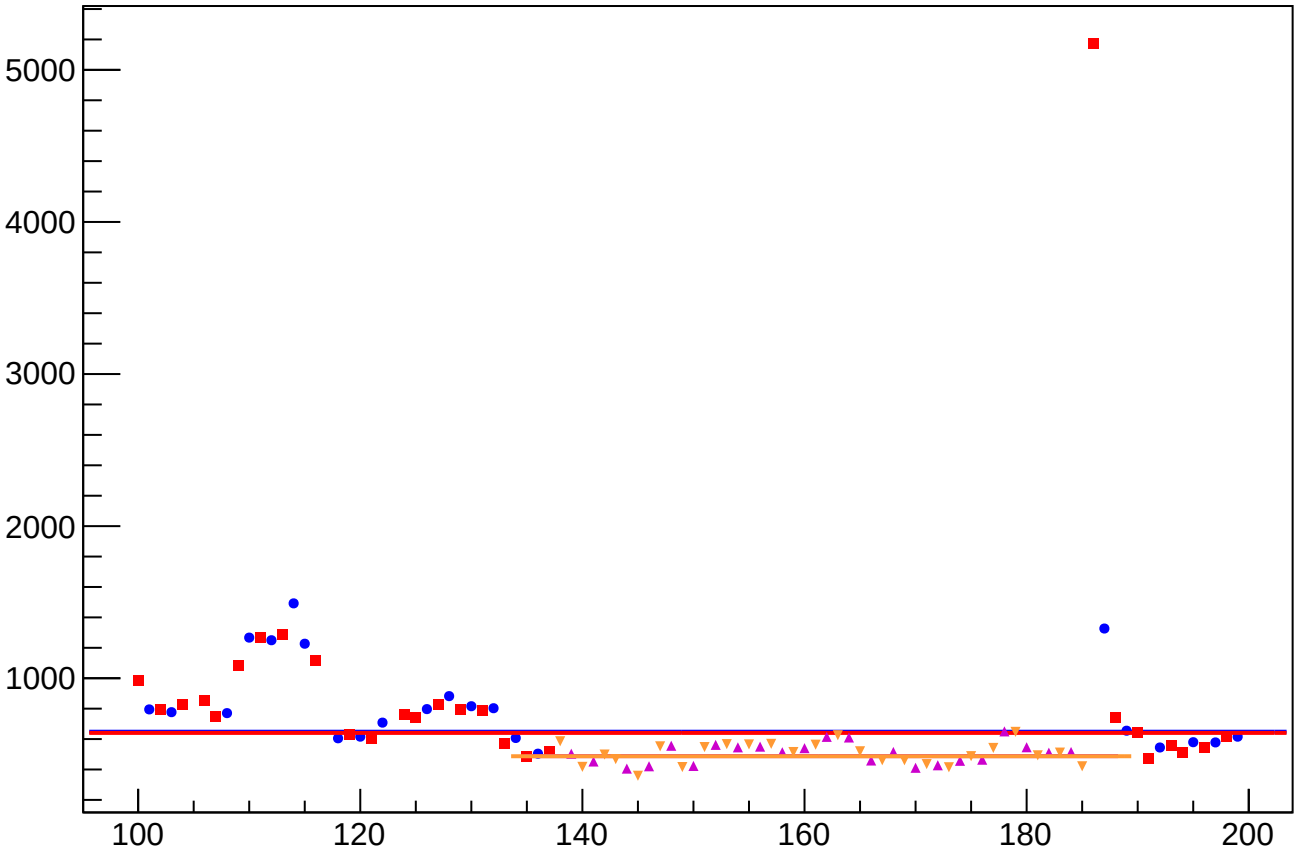
Right Out: 440.649+/-188.165 χ^2/NDF: 21.4/26

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 362.565+/-97.565 χ^2/NDF: 52.9/46

All: 266.550+/-69.277 χ^2/NDF: 106.7/96

- sign 168.914+/-98.385 χ^2/NDF: 51.8/49



Right In: 648.271+/-0.139 χ^2/NDF: 1202253.8/21

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 640.587+/-0.133 χ^2/NDF: 2080790.7/26

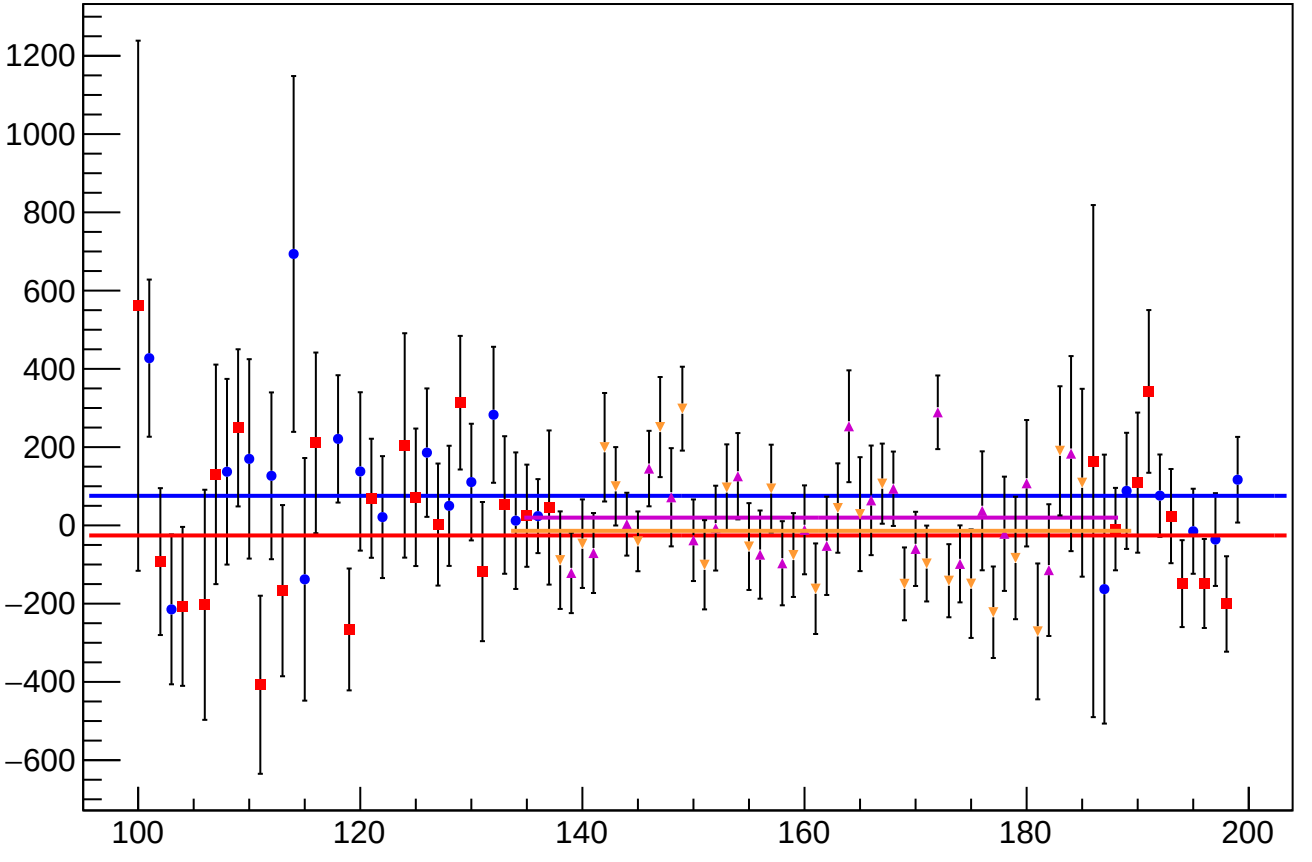
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 526.684+/-0.069 χ^2/NDF: 3035248.6/46

All: 528.162+/-0.049 χ^2/NDF: 6707740.7/96

- sign 529.665+/-0.070 χ^2/NDF: 3671566.8/49

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 75.551+/-33.117 χ^2/NDF: 13.6/21

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -25.723+/-32.323 χ^2/NDF: 25.4/26

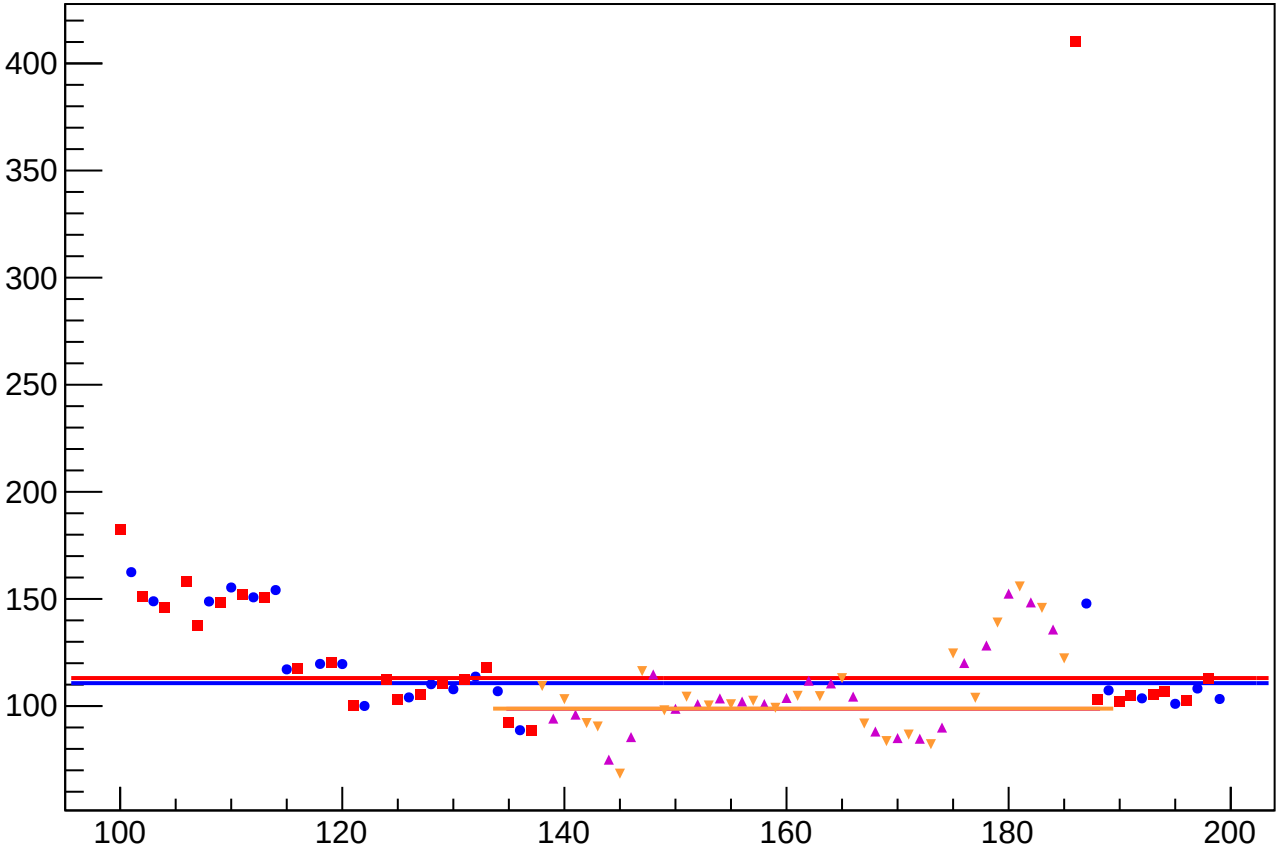
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 15.061+/-18.844 χ^2/NDF: 54.9/46

All: 9.589+/-13.395 χ^2/NDF: 105.0/96

- sign 3.999+/-19.045 χ^2/NDF: 50.0/49

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 110.694+/-0.023 χ^2/NDF: 607874.3/21

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 113.072+/-0.023 χ^2/NDF: 984832.5/26

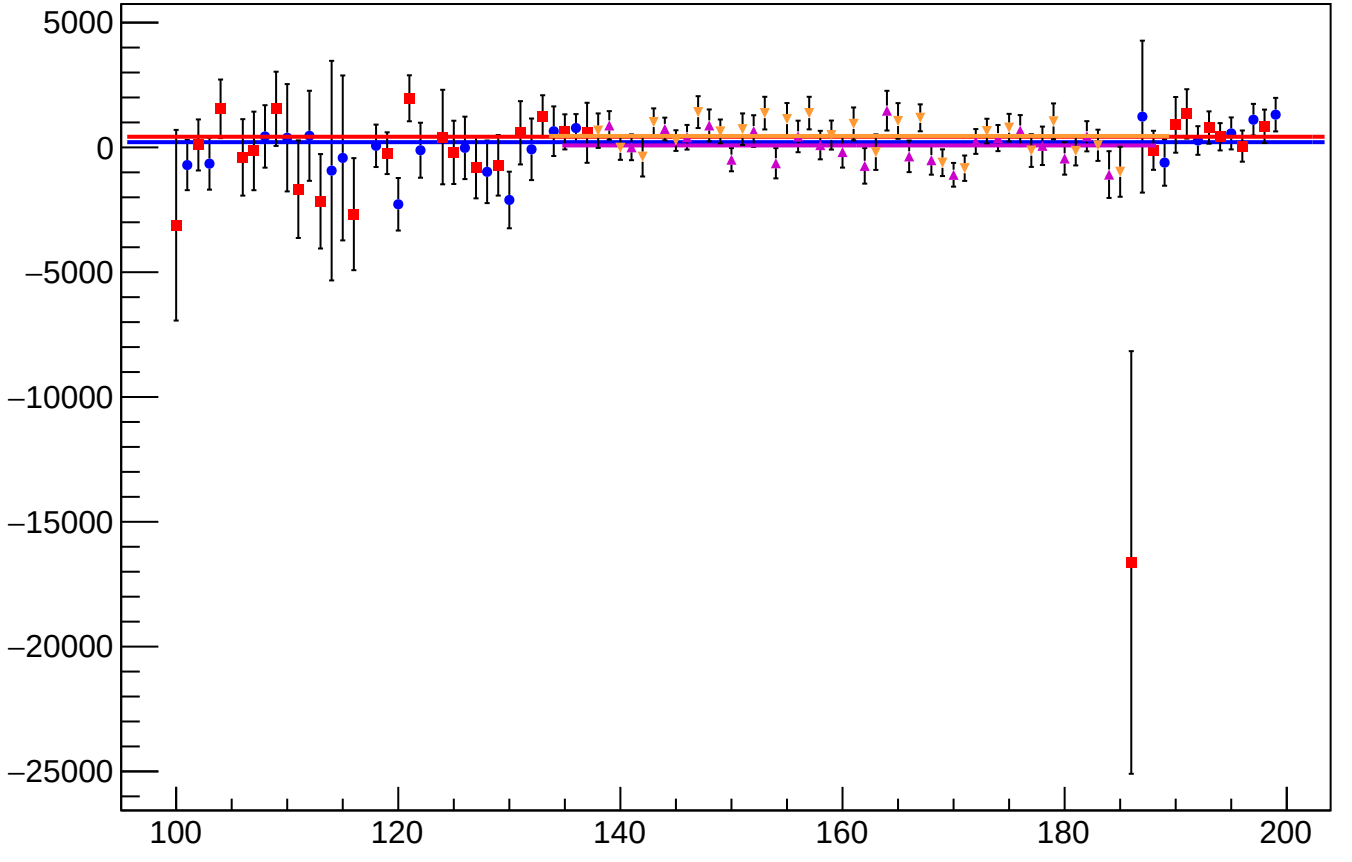
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.650+/-0.013 χ^2/NDF: 1968161.3/46

All: 103.156+/-0.009 χ^2/NDF: 4202838.3/96

- sign 103.672+/-0.013 χ^2/NDF: 2231768.8/49

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 209.599+/-201.131 χ^2/NDF: 19.7/21

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 426.719+/-191.181 χ^2/NDF: 21.0/26

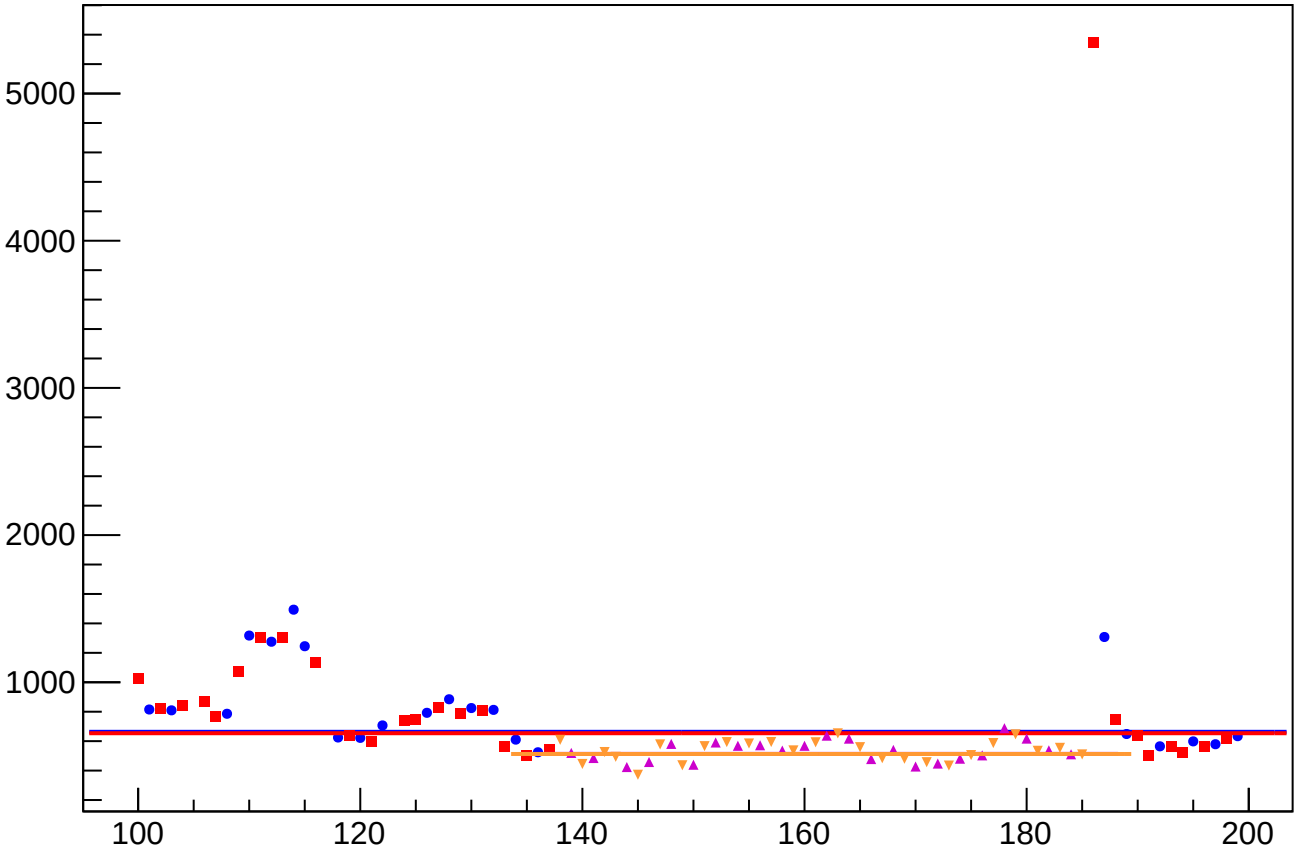
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 395.118+/-101.849 χ^2/NDF: 51.6/46

All: 287.661+/-72.249 χ^2/NDF: 103.5/96

- sign 178.813+/-102.506 χ^2/NDF: 49.6/49

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 663.370+/-0.142 χ^2/NDF: 1154887.2/21

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 653.798+/-0.135 χ^2/NDF: 2026726.8/26

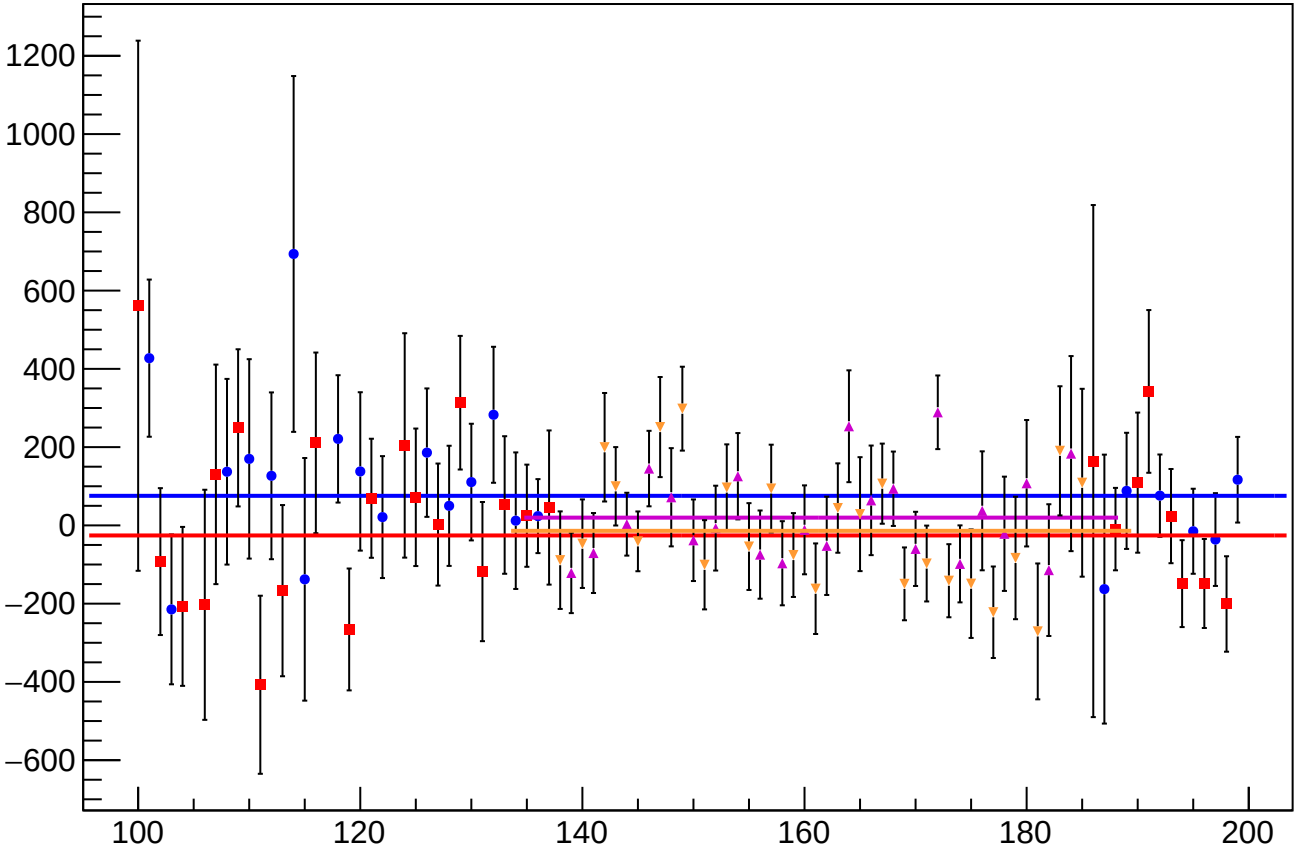
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 551.386+/-0.072 χ^2/NDF: 2787925.0/46

All: 552.557+/-0.051 χ^2/NDF: 6217996.1/96

- sign 553.744+/-0.072 χ^2/NDF: 3429538.6/49

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 75.550+/-33.117 χ^2/NDF: 13.6/21

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -25.724+/-32.323 χ^2/NDF: 25.4/26

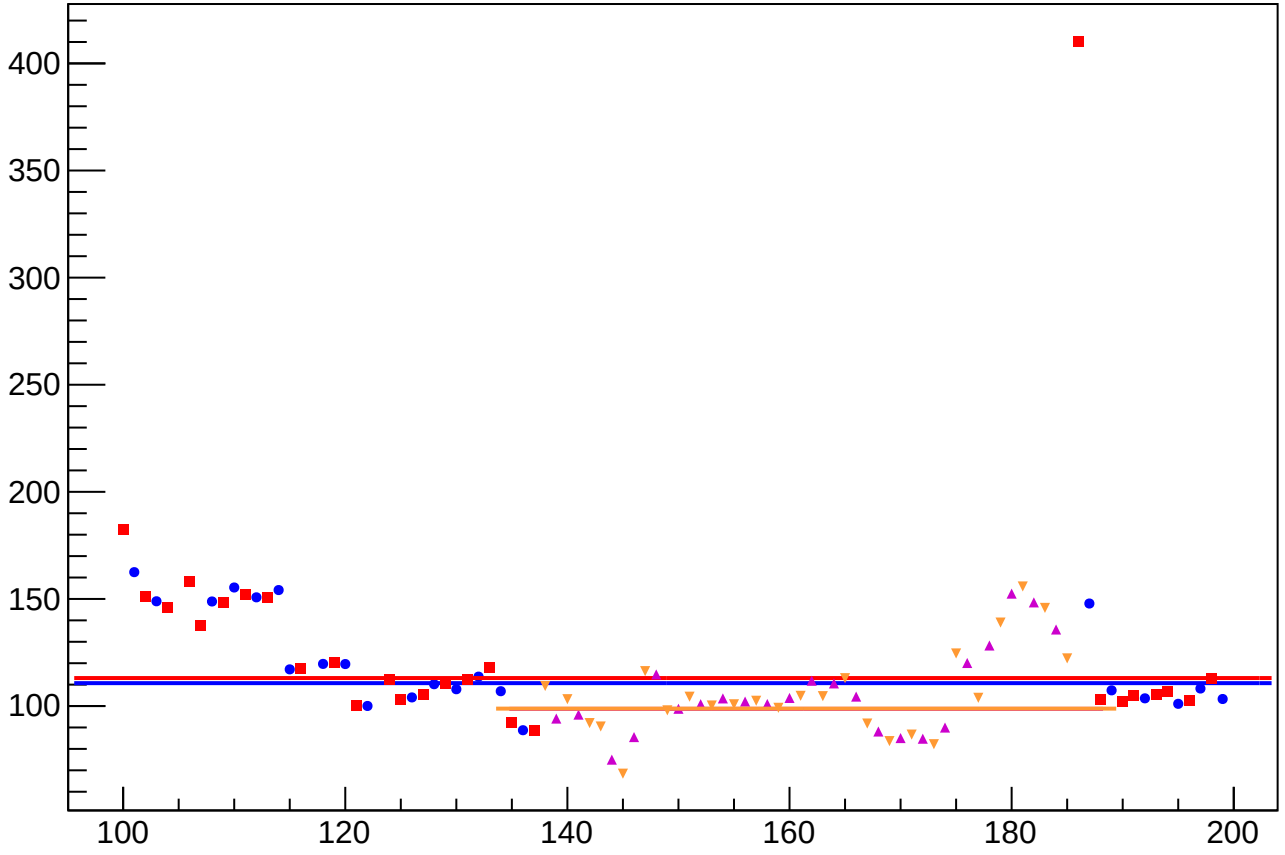
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 15.059+/-18.844 χ^2/NDF: 54.9/46

All: 9.588+/-13.395 χ^2/NDF: 105.0/96

- sign 3.999+/-19.045 χ^2/NDF: 50.0/49

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 110.694+/-0.023 χ^2/NDF: 607859.4/21

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

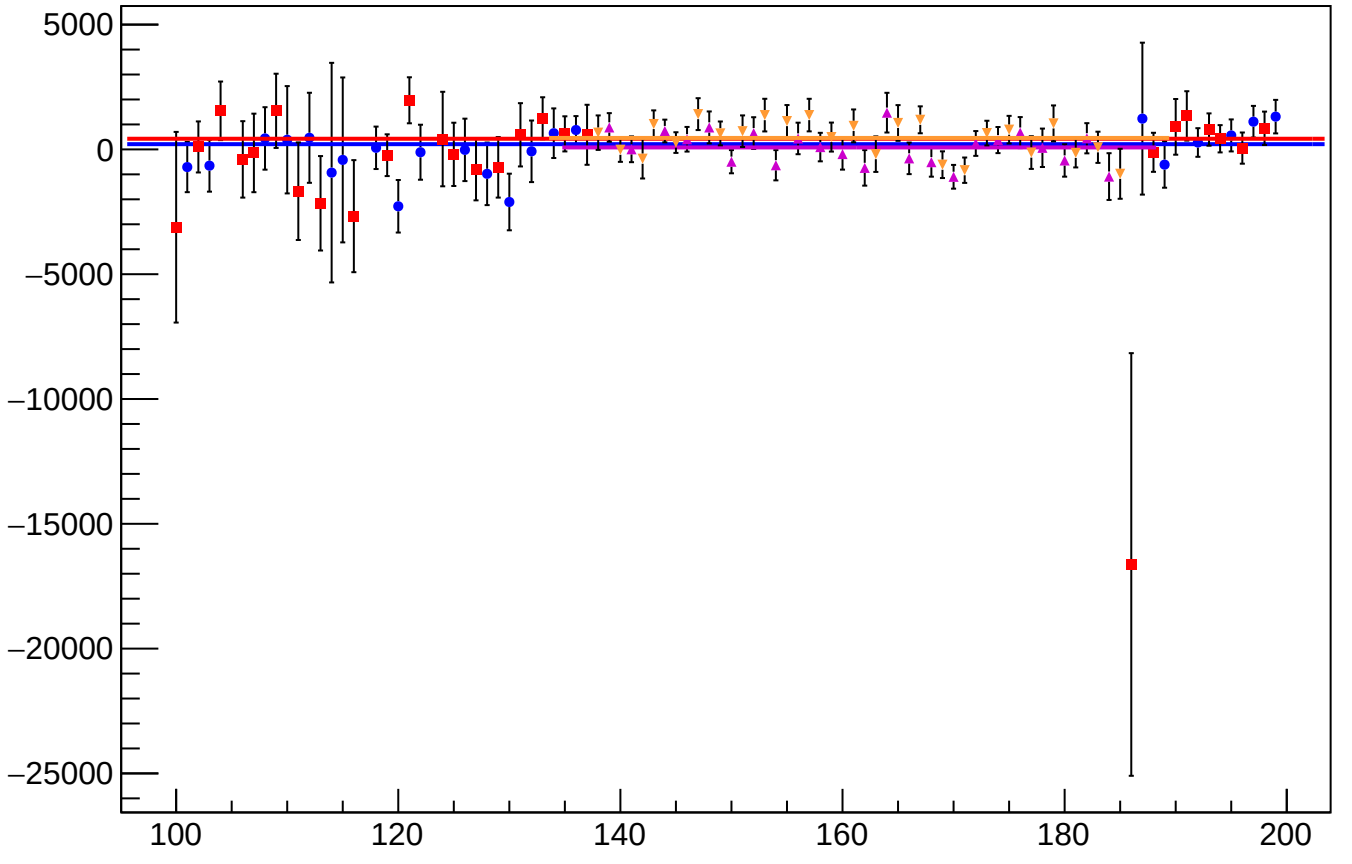
Right Out: 113.072+/-0.023 χ^2/NDF: 984818.0/26

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.650+/-0.013 χ^2/NDF: 1968157.3/46

All: 103.156+/-0.009 χ^2/NDF: 4202815.3/96

- sign 103.672+/-0.013 χ^2/NDF: 2231749.8/49



Right In: 209.598+/-201.130 χ^2/NDF: 19.7/21

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

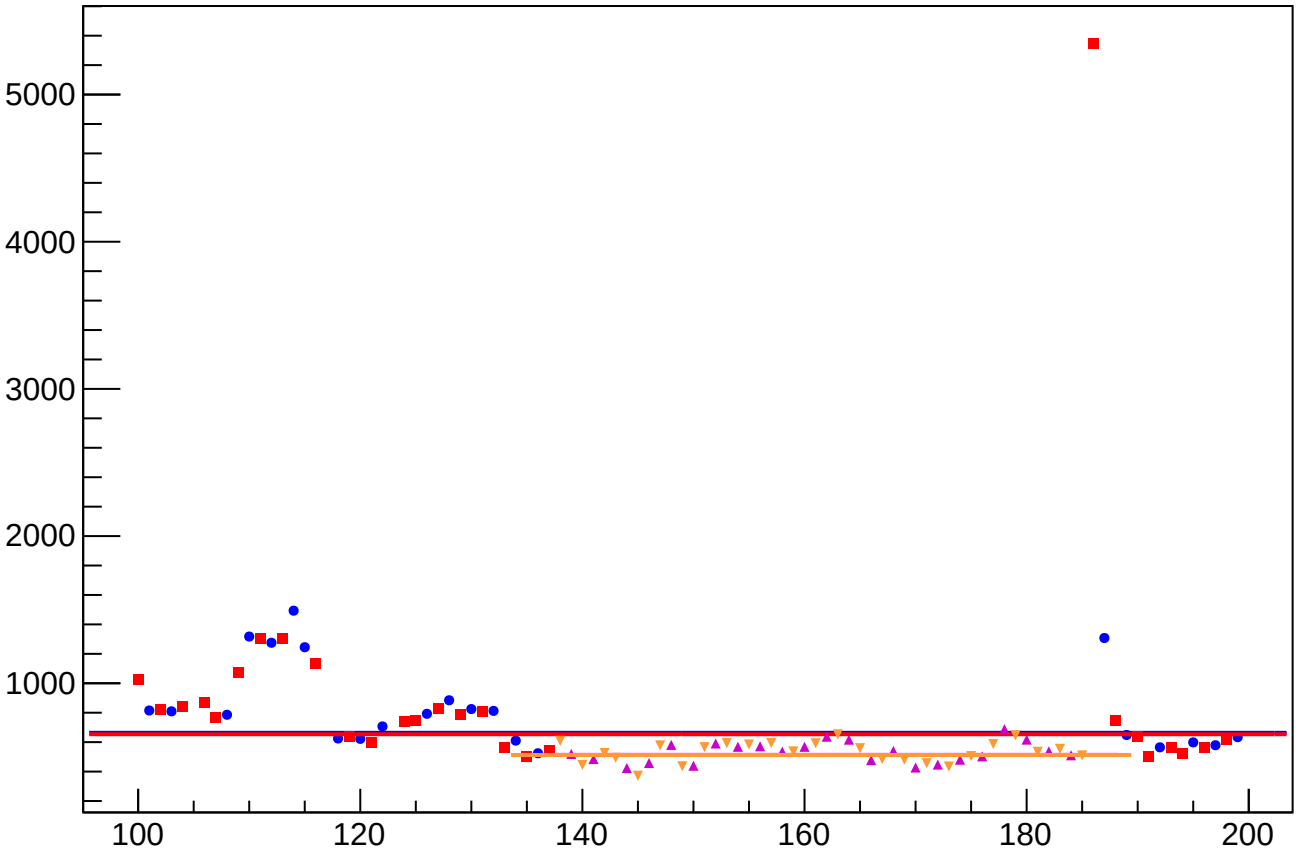
Right Out: 426.718+/-191.180 χ^2/NDF: 21.0/26

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 395.116+/-101.849 χ^2/NDF: 51.6/46

All: 287.660+/-72.249 χ^2/NDF: 103.5/96

- sign 178.813+/-102.506 χ^2/NDF: 49.6/49



Right In: 663.369+/-0.142 χ^2/NDF: 1154885.0/21

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

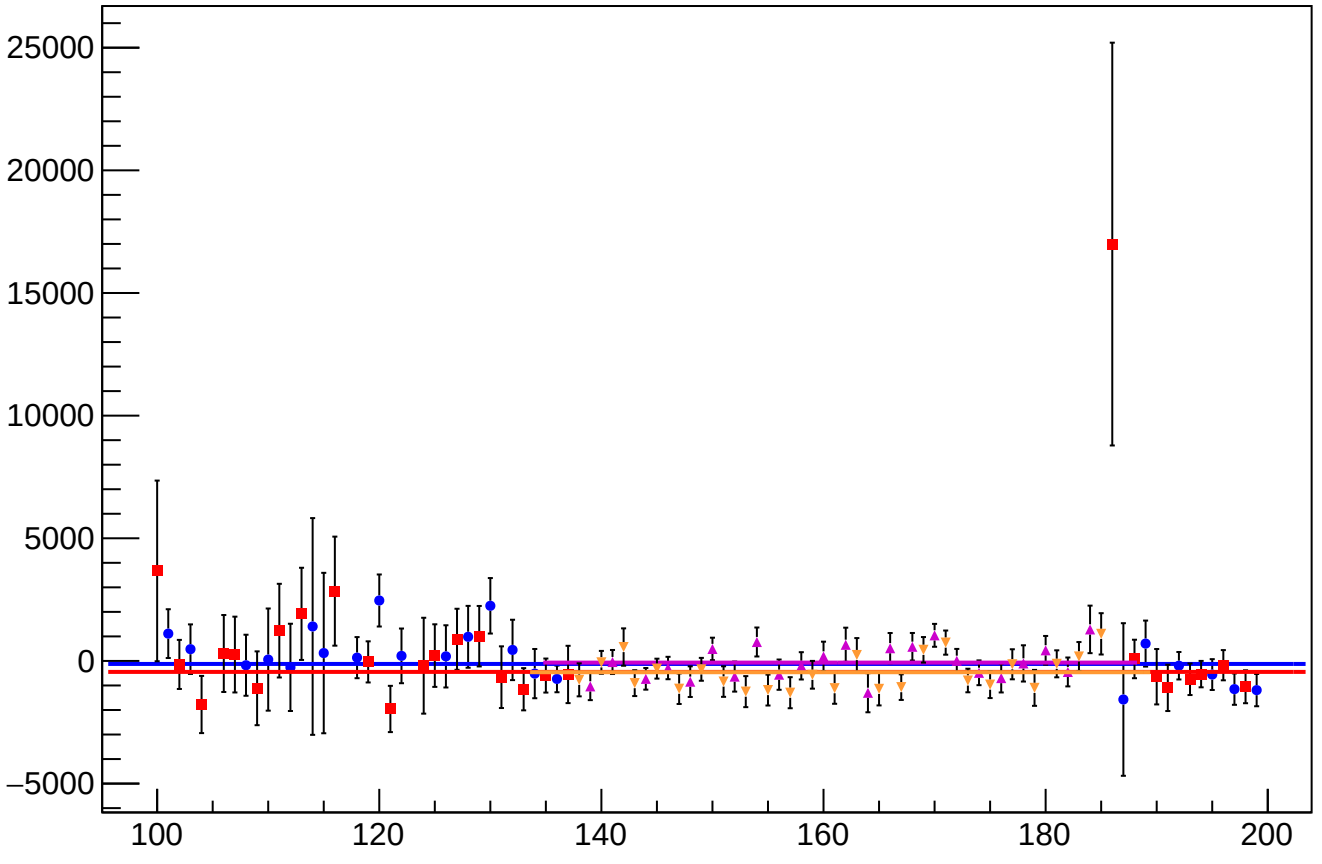
Right Out: 653.797+/-0.135 χ^2/NDF: 2026723.6/26

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 551.386+/-0.072 χ^2/NDF: 2787918.3/46

All: 552.557+/-0.051 χ^2/NDF: 6217975.2/96

- sign 553.743+/-0.072 χ^2/NDF: 3429524.5/49



Right In: -122.517+/-199.065 χ^2/NDF: 21.7/21

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -447.188+/-190.225 χ^2/NDF: 21.0/26

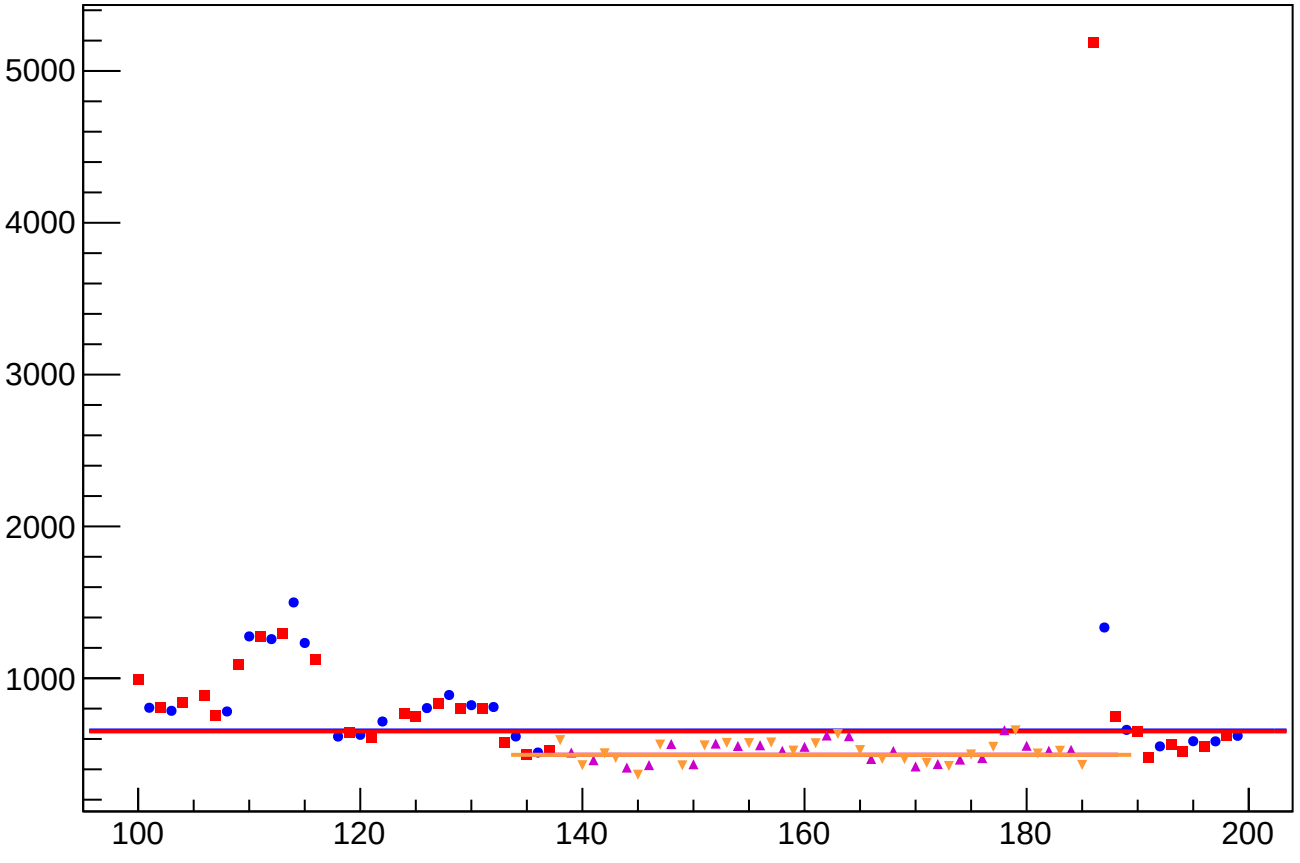
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -376.294+/-99.078 χ^2/NDF: 54.7/46

All: -275.261+/-70.342 χ^2/NDF: 109.2/96

- sign -172.578+/-99.884 χ^2/NDF: 52.4/49

asym_sam_26_48_dd_rms vs Slug



Right In: 655.880+/-0.141 χ^2/NDF: 1188945.4/21

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

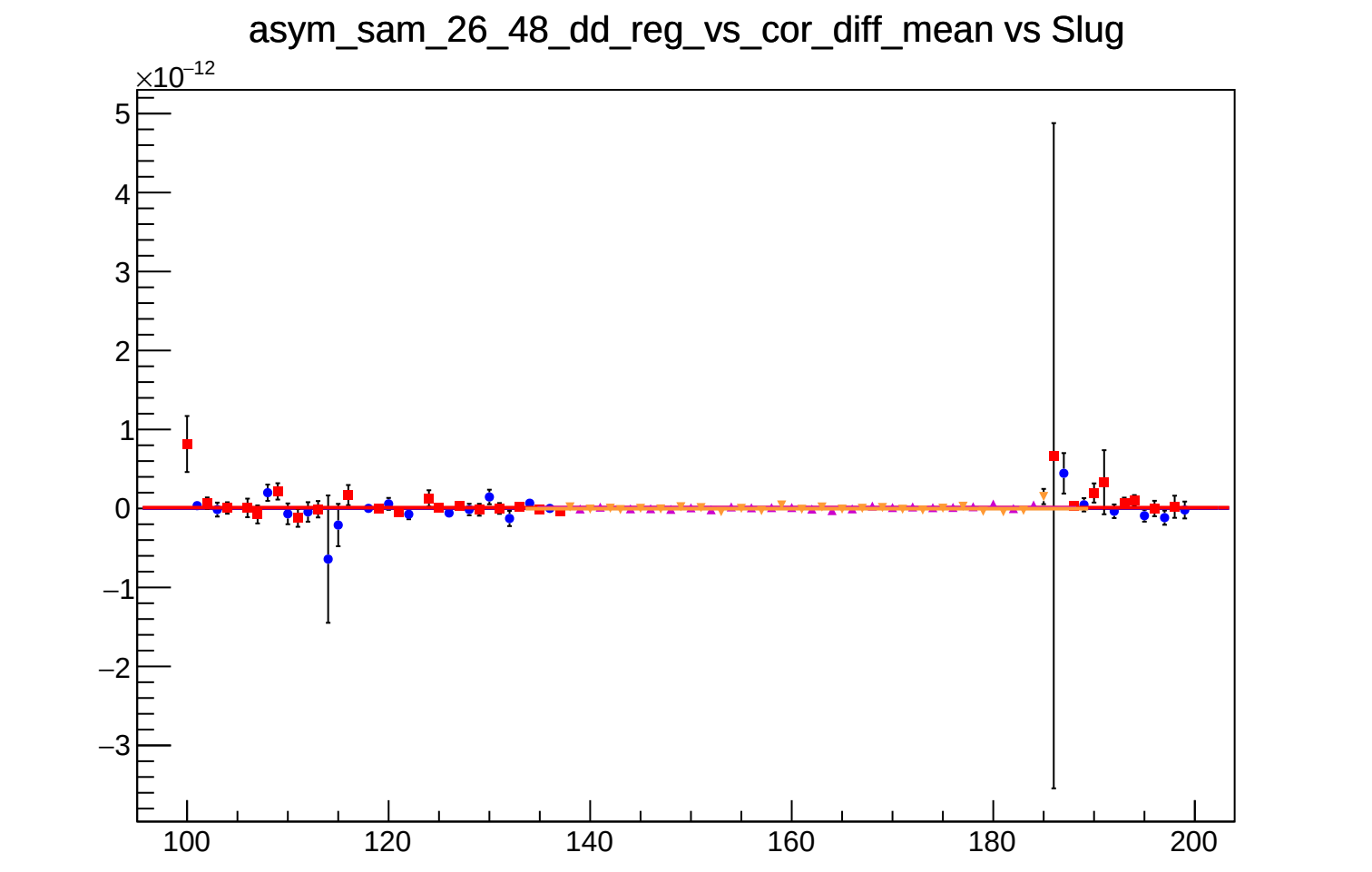
Right Out: 649.633+/-0.135 χ^2/NDF: 2070905.7/26

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 535.240+/-0.070 χ^2/NDF: 2970030.1/46

All: 536.897+/-0.050 χ^2/NDF: 6605511.4/96

- sign 538.581+/-0.071 χ^2/NDF: 3634353.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

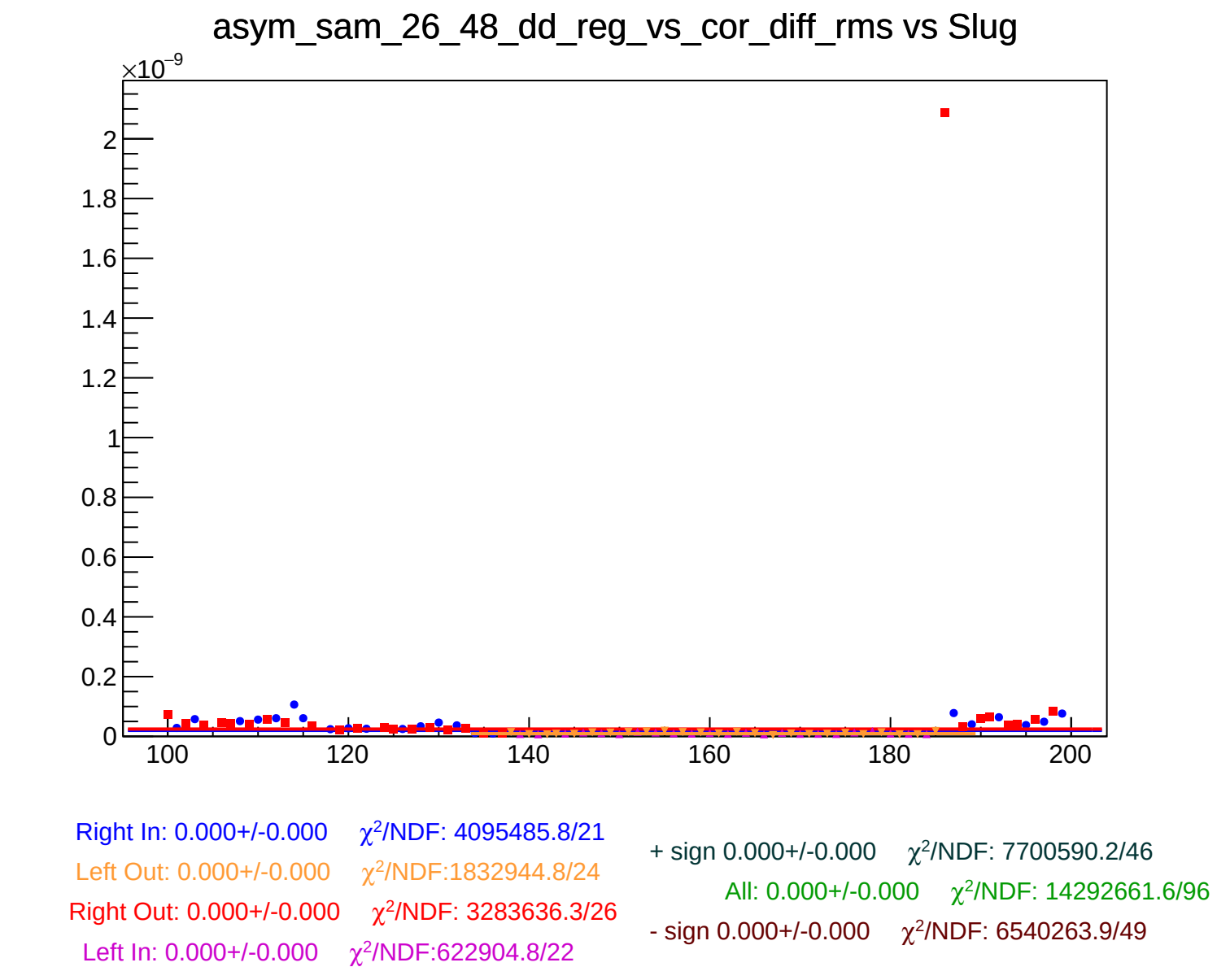
Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/26

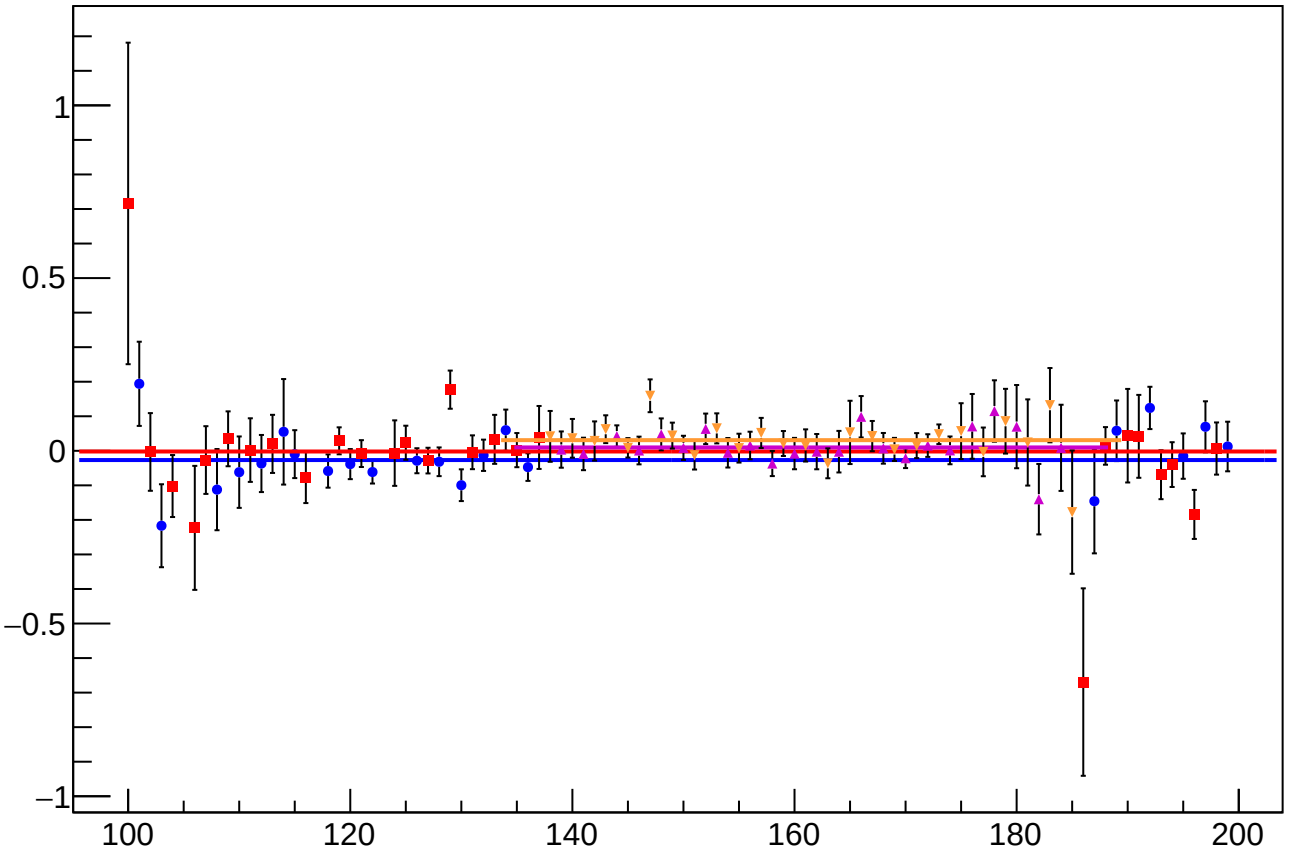
Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/46

All: 0.000+/-0.000 χ^2/NDF: 93.6/96

- sign 0.000+/-0.000 χ^2/NDF: 40.0/49


asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4095485.8/21
Left Out: 0.000+/-0.000 χ²/NDF:1832944.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3283636.3/26
Left In: 0.000+/-0.000 χ²/NDF:622904.8/22
+ sign 0.000+/-0.000 χ²/NDF: 7700590.2/46
All: 0.000+/-0.000 χ²/NDF: 14292661.6/96
- sign 0.000+/-0.000 χ²/NDF: 6540263.9/49



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/26

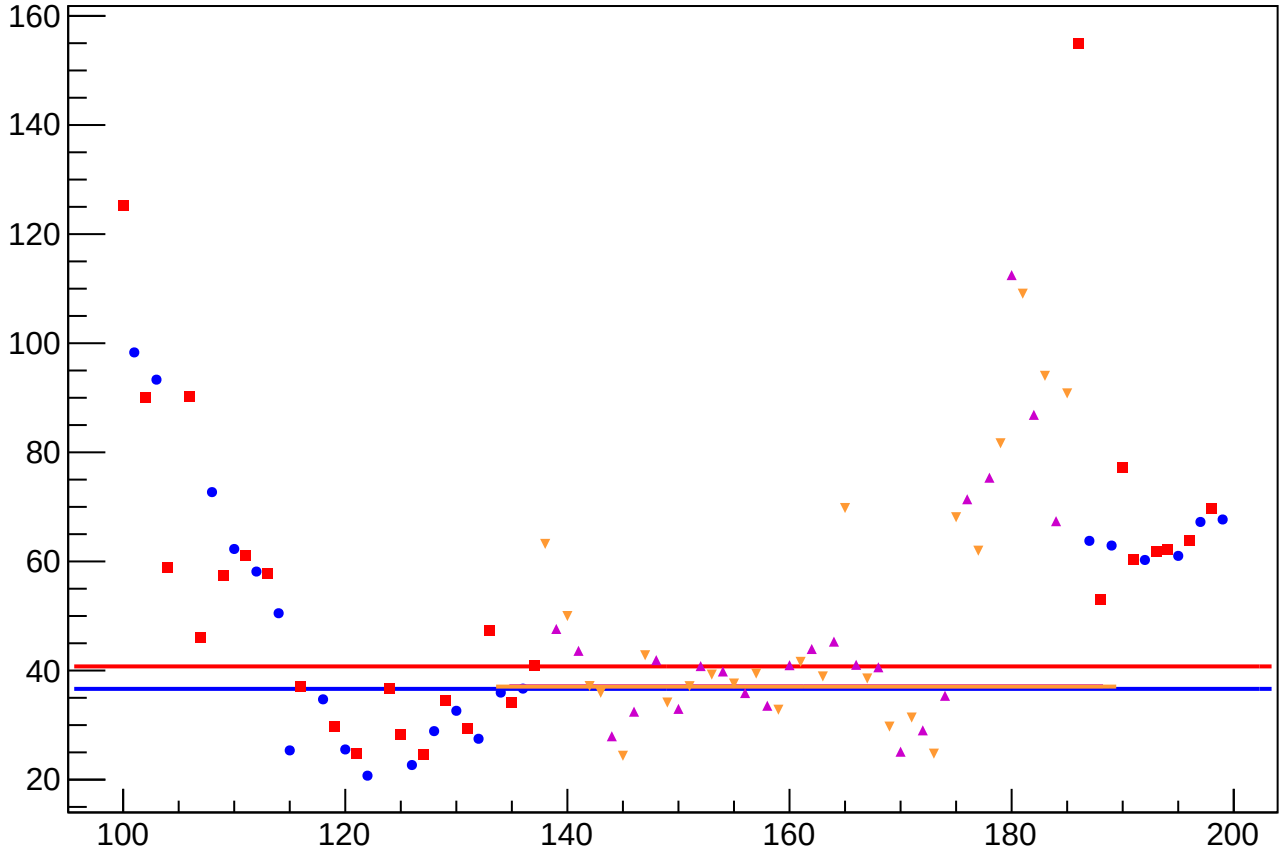
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/46

All: 0.008+/-0.005 χ^2/NDF: 102.4/96

- 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: 36.640+/-0.009 χ^2/NDF: 4062689.1/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

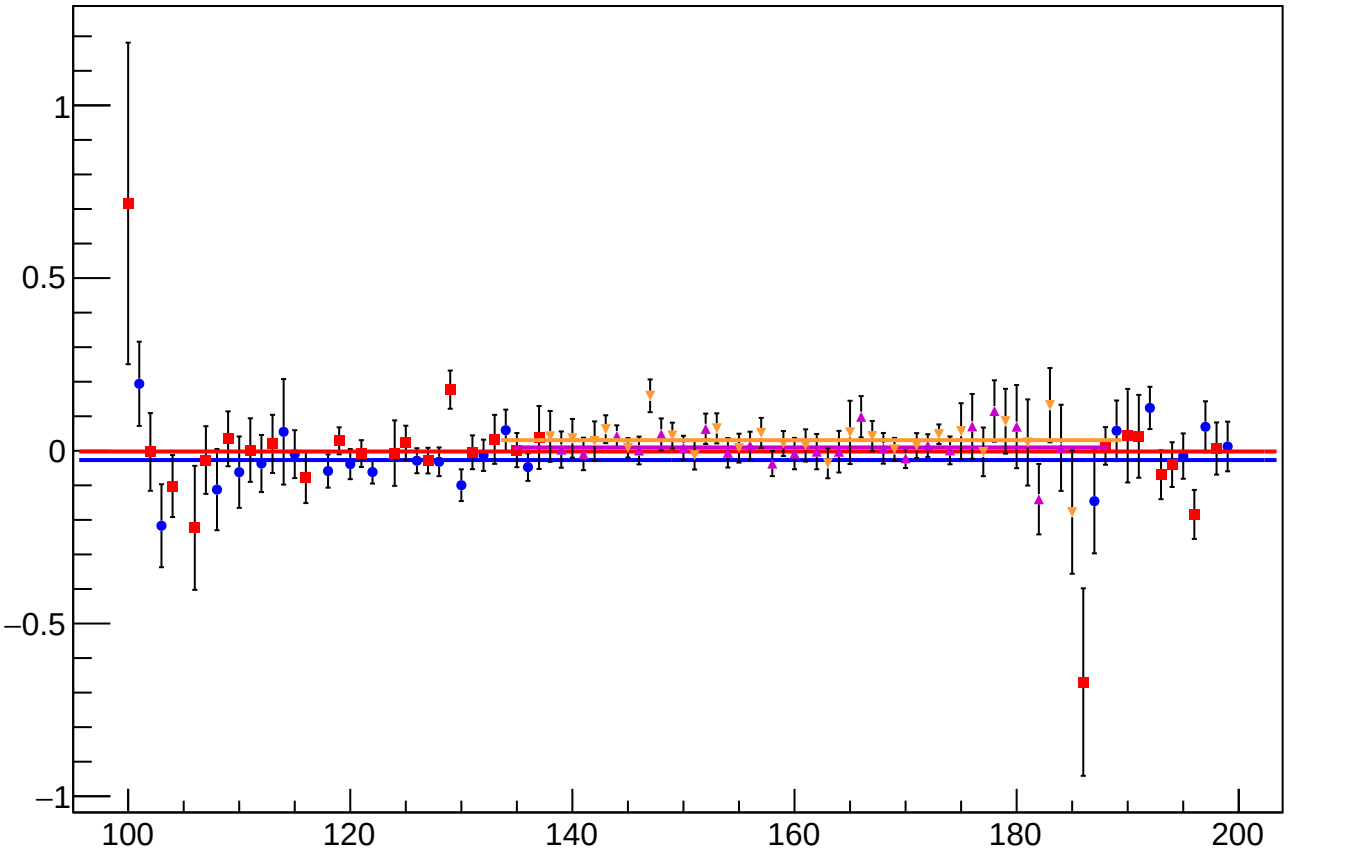
Right Out: 40.757+/-0.009 χ^2/NDF: 3713019.0/26

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.906+/-0.005 χ^2/NDF: 8117927.5/46

All: 37.637+/-0.004 χ^2/NDF: 14991879.8/96

- sign 38.417+/-0.005 χ^2/NDF: 6832375.2/49



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

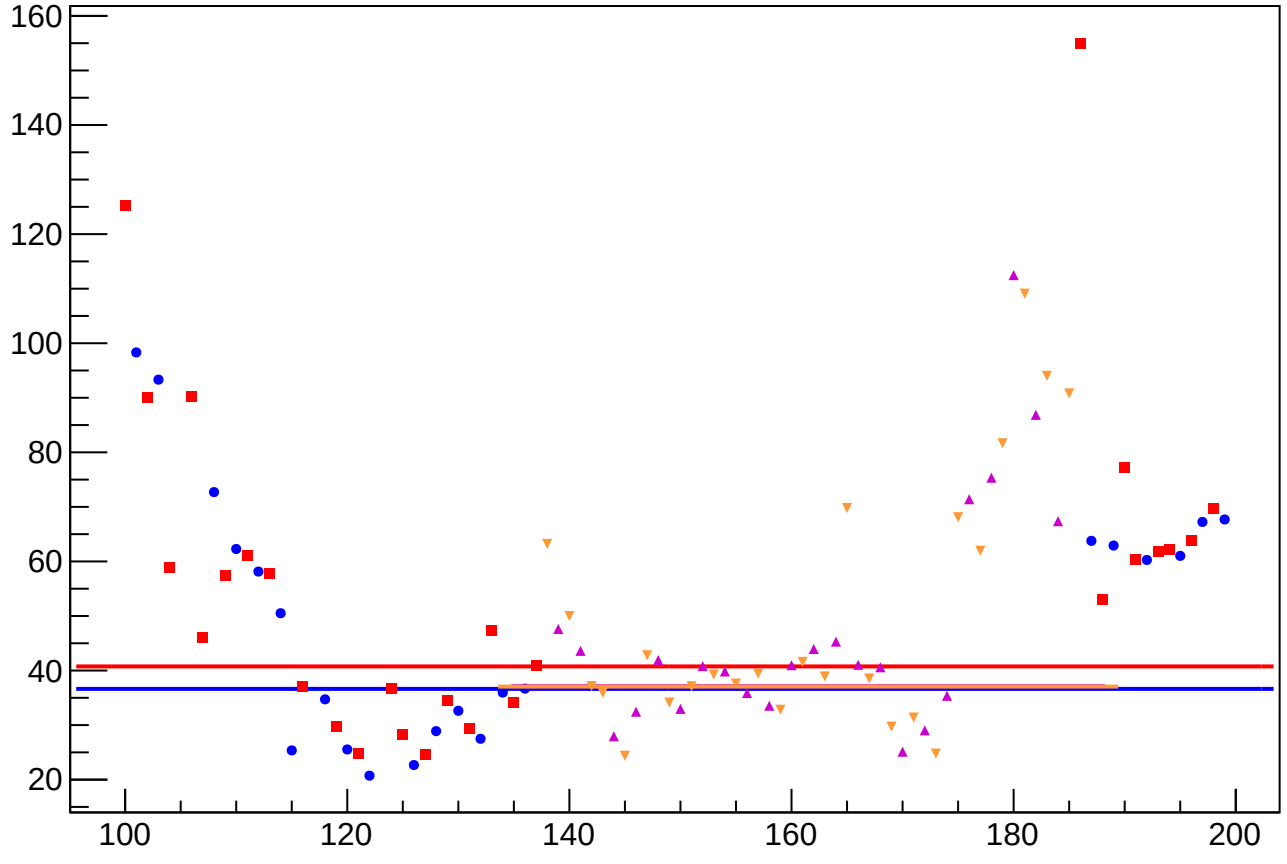
Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/26

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/46

All: 0.008+/-0.005 χ^2/NDF: 102.4/96

- sign 0.006+/-0.008 χ^2/NDF: 46.9/49



Right In: 36.640+/-0.009 χ^2/NDF: 4062689.1/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

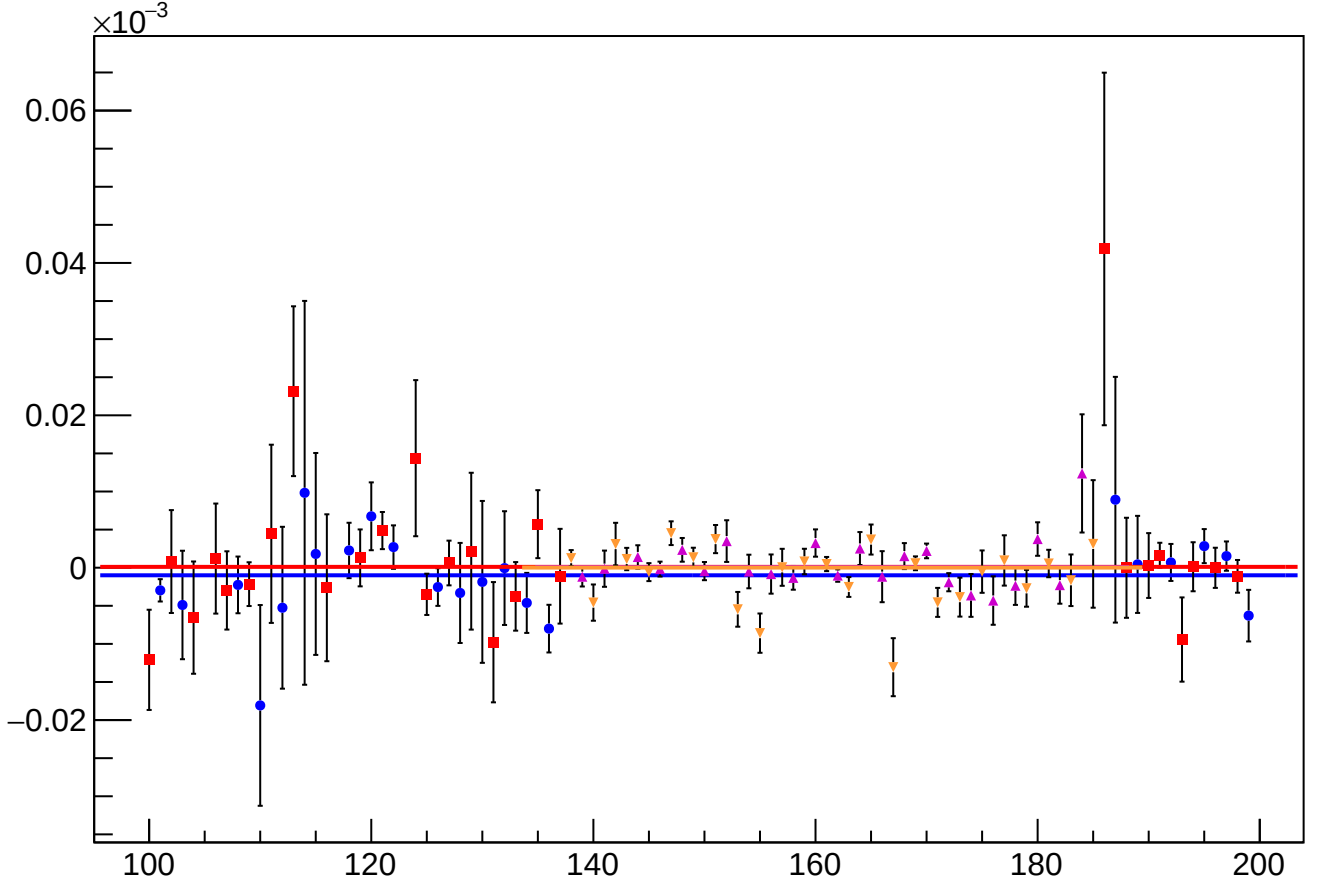
Right Out: 40.757+/-0.009 χ^2/NDF: 3713019.0/26

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.906+/-0.005 χ^2/NDF: 8117927.5/46

All: 37.637+/-0.004 χ^2/NDF: 14991879.8/96

- sign 38.417+/-0.005 χ^2/NDF: 6832375.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

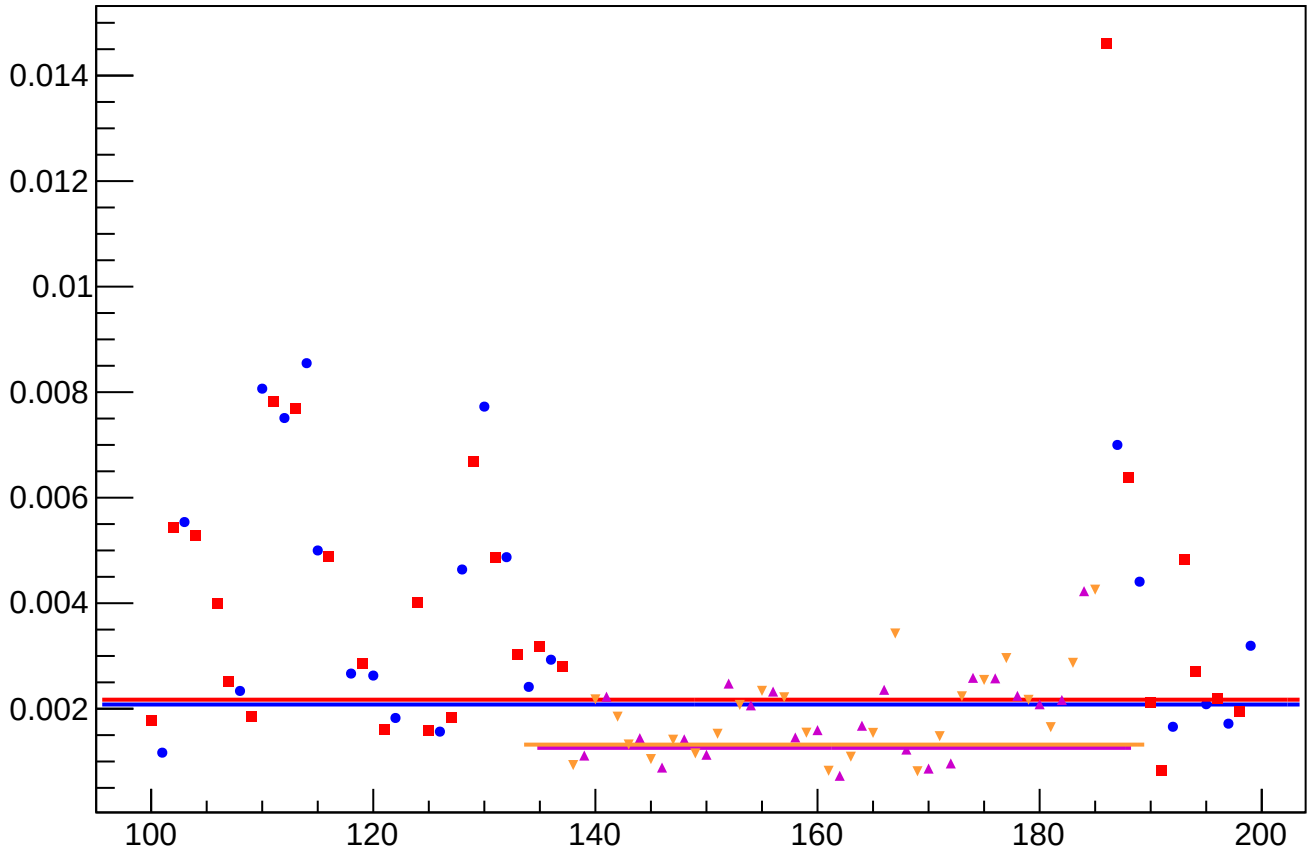
Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/26

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.5/46

All: -0.000+/-0.000 χ^2/NDF: 154.9/96

- sign 0.000+/-0.000 χ^2/NDF: 61.1/49



Right In: 0.002+/-0.000 χ^2/NDF: 4717845.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

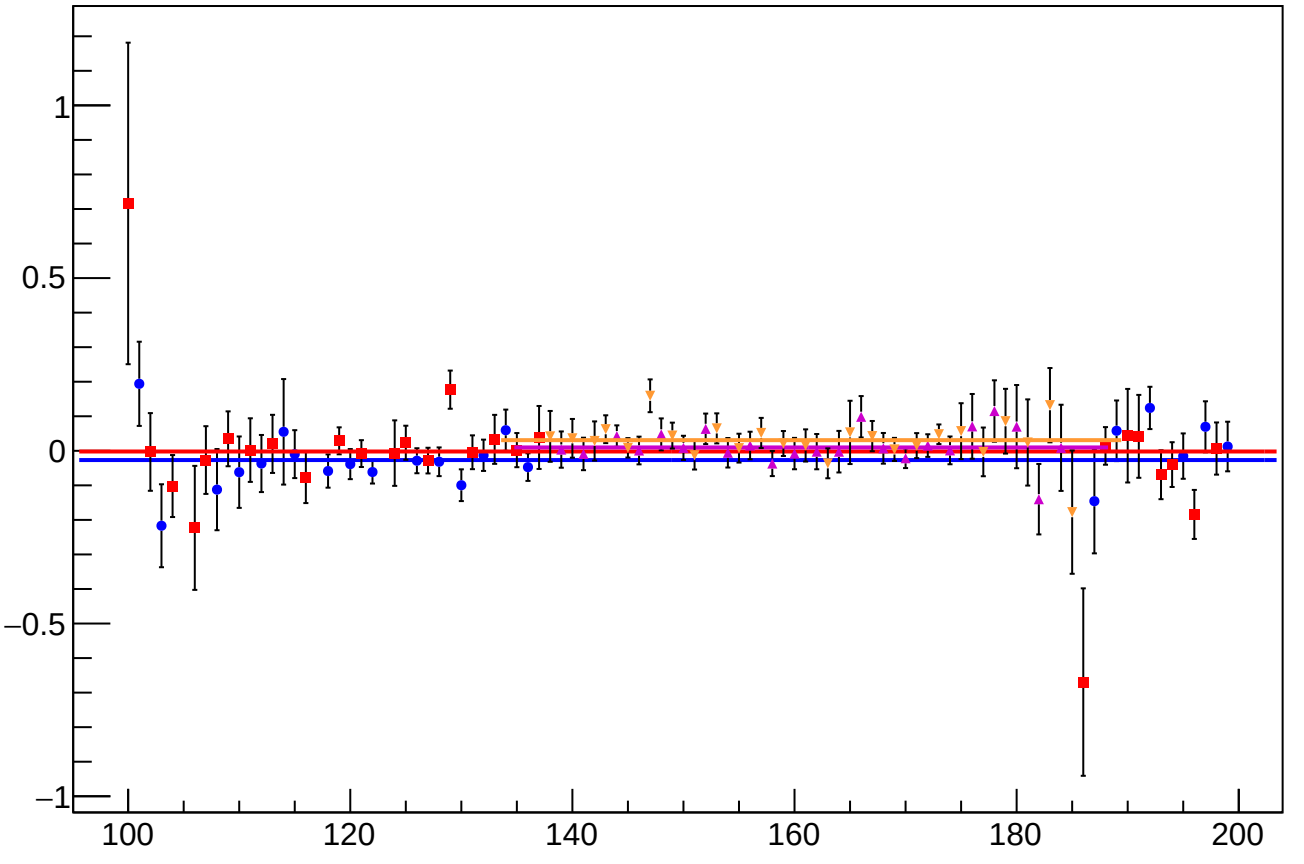
Right Out: 0.002+/-0.000 χ^2/NDF: 6580912.2/26

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 12217950.0/46

All: 0.001+/-0.000 χ^2/NDF: 26781208.2/96

- sign 0.001+/-0.000 χ^2/NDF: 14542117.3/49



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/26

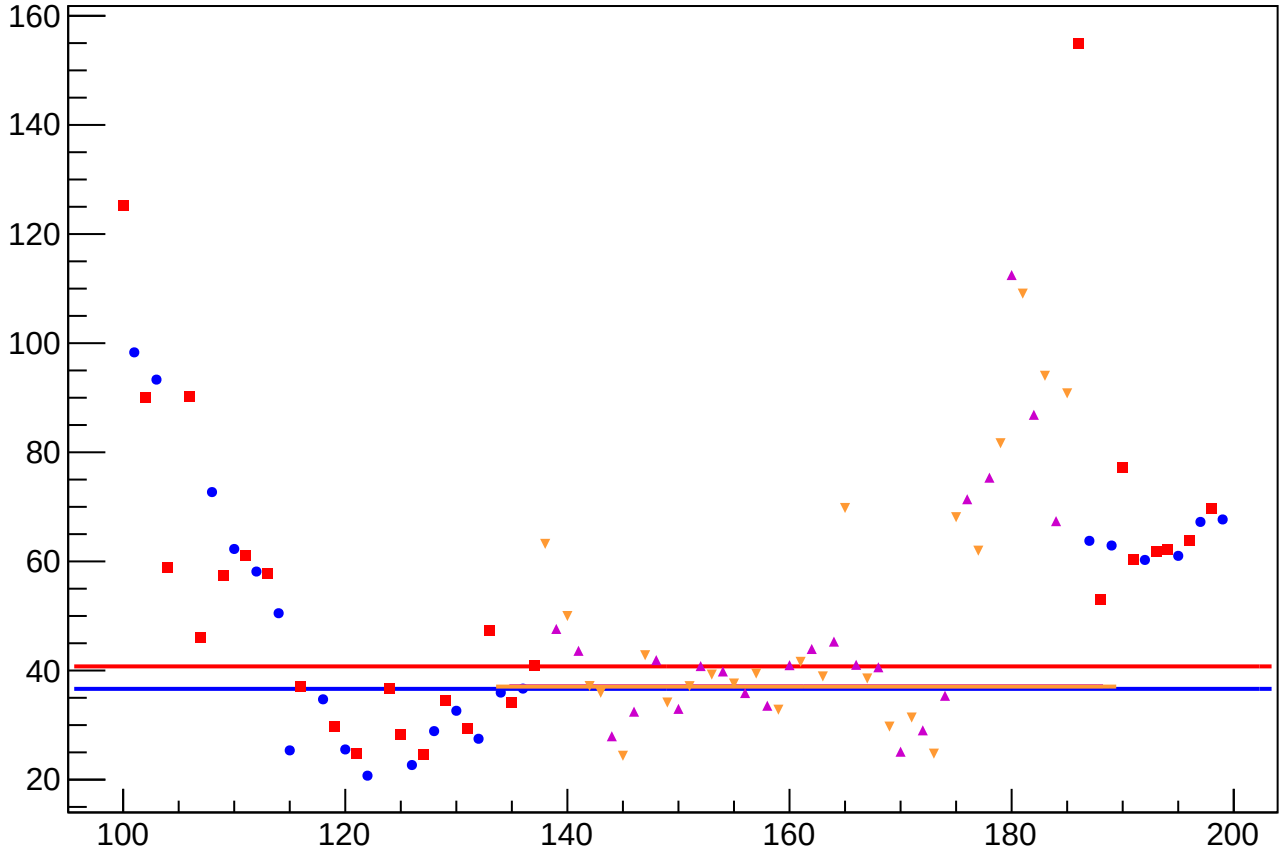
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/46

All: 0.008+/-0.005 χ^2/NDF: 102.4/96

- sign 0.006+/-0.008 χ^2/NDF: 46.9/49

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.640+/-0.009 χ^2/NDF: 4062632.6/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

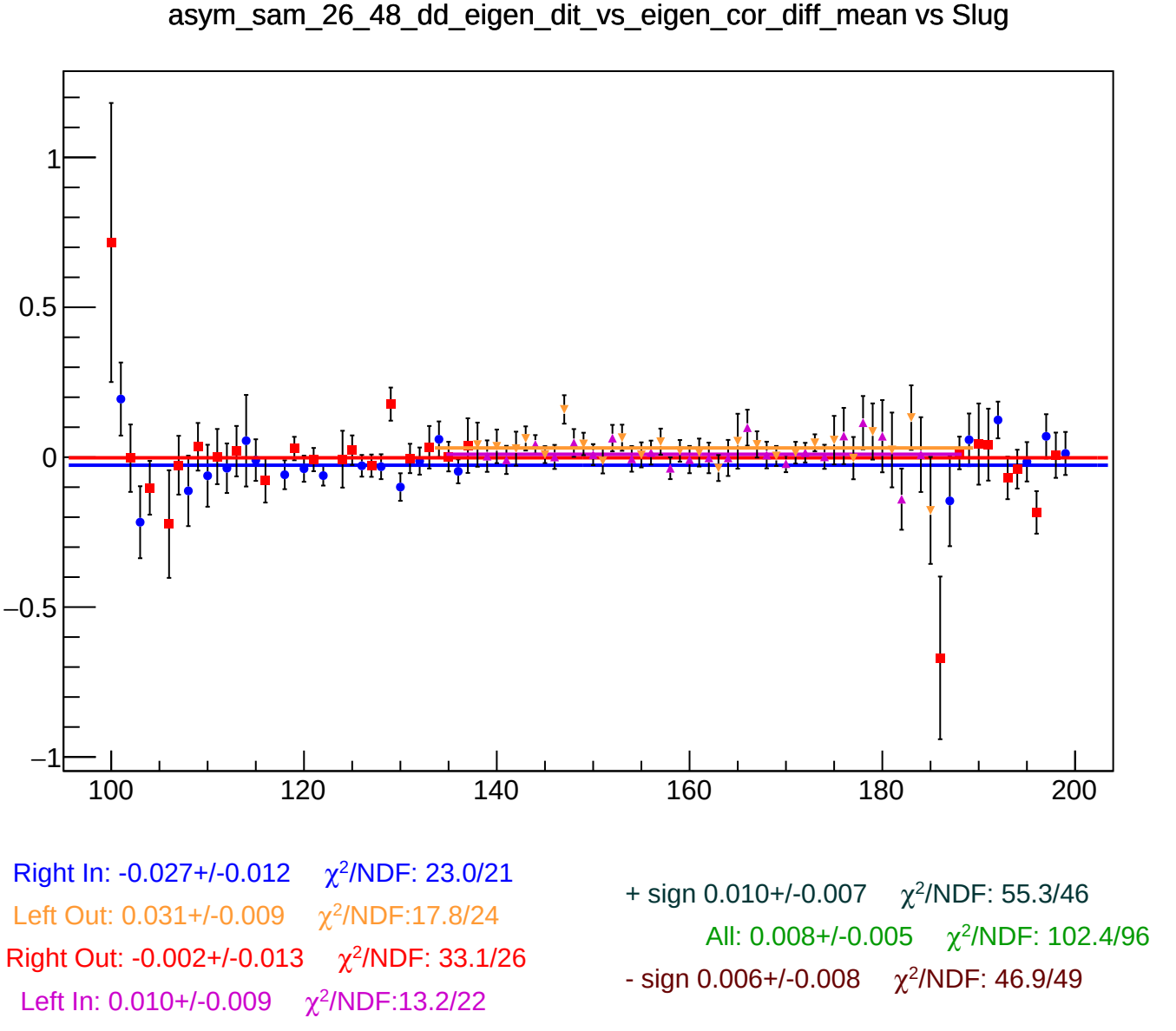
Right Out: 40.758+/-0.009 χ^2/NDF: 3712840.4/26

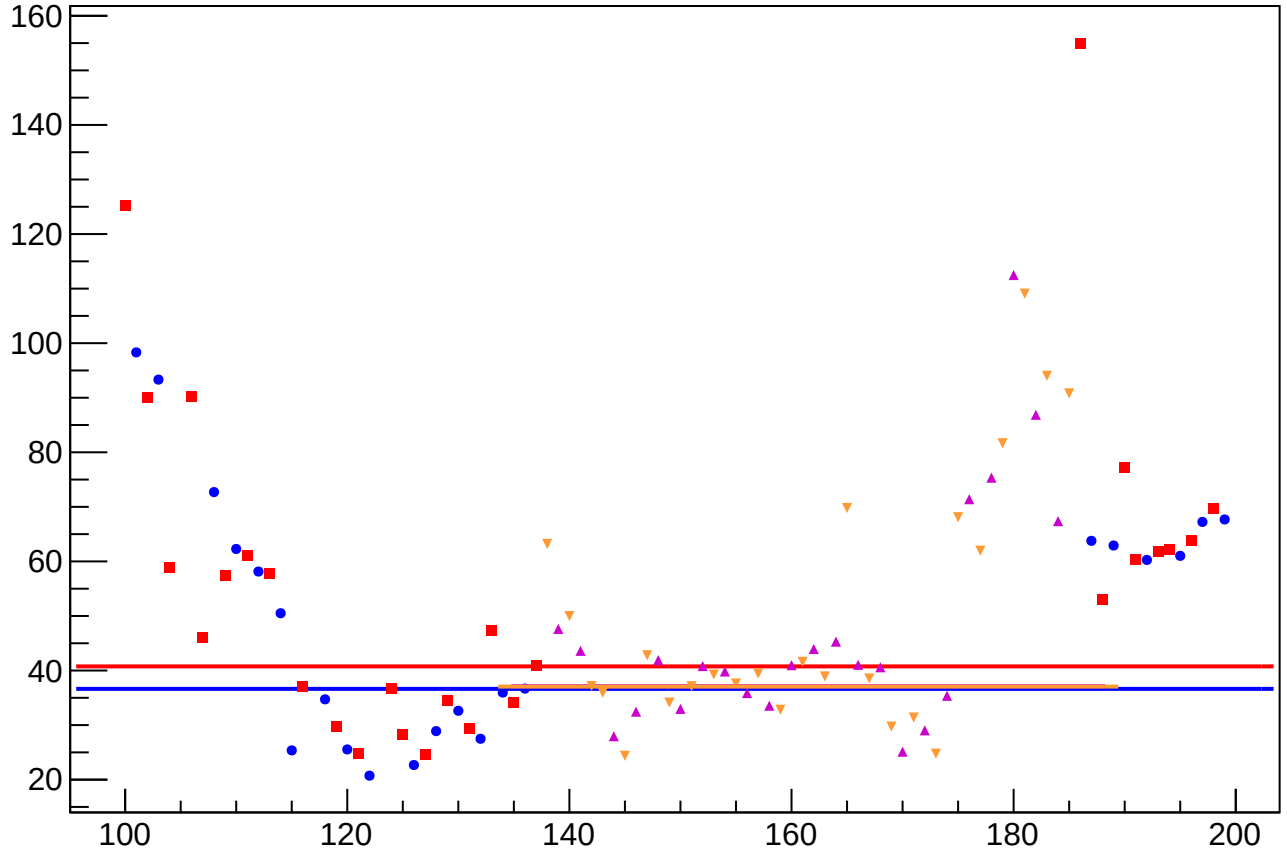
Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.906+/-0.005 χ^2/NDF: 8117877.1/46

All: 37.637+/-0.004 χ^2/NDF: 14991651.5/96

- sign 38.417+/-0.005 χ^2/NDF: 6832197.7/49


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.027+/-0.012 χ²/NDF: 23.0/21
Left Out: 0.031+/-0.009 χ²/NDF:17.8/24
Right Out: -0.002+/-0.013 χ²/NDF: 33.1/26
Left In: 0.010+/-0.009 χ²/NDF:13.2/22
+ sign 0.010+/-0.007 χ²/NDF: 55.3/46
All: 0.008+/-0.005 χ²/NDF: 102.4/96
- sign 0.006+/-0.008 χ²/NDF: 46.9/49



Right In: 36.640+/-0.009 χ^2/NDF: 4062632.6/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

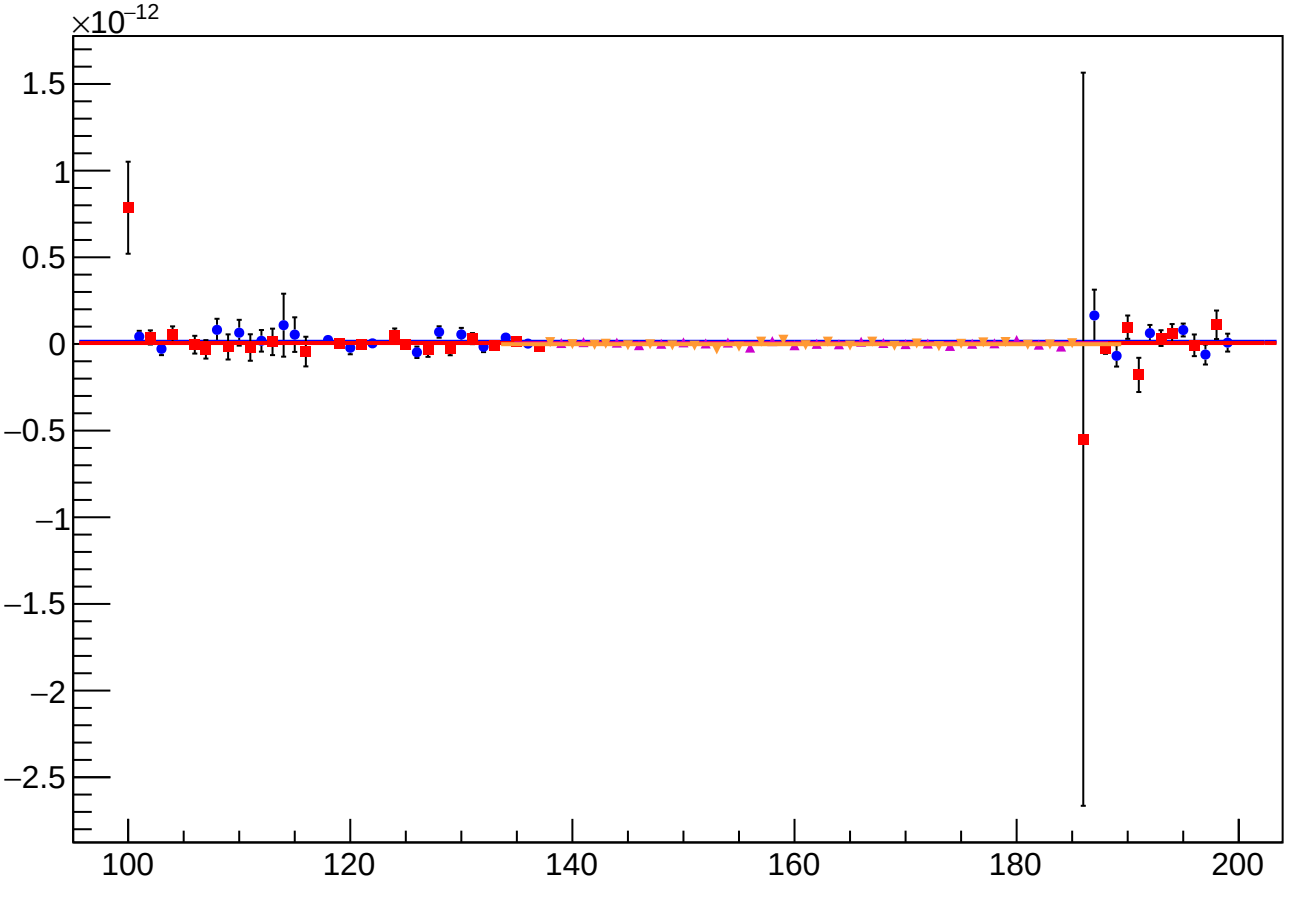
Right Out: 40.758+/-0.009 χ^2/NDF: 3712840.4/26

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.906+/-0.005 χ^2/NDF: 8117877.1/46

All: 37.637+/-0.004 χ^2/NDF: 14991651.5/96

- sign 38.417+/-0.005 χ^2/NDF: 6832197.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

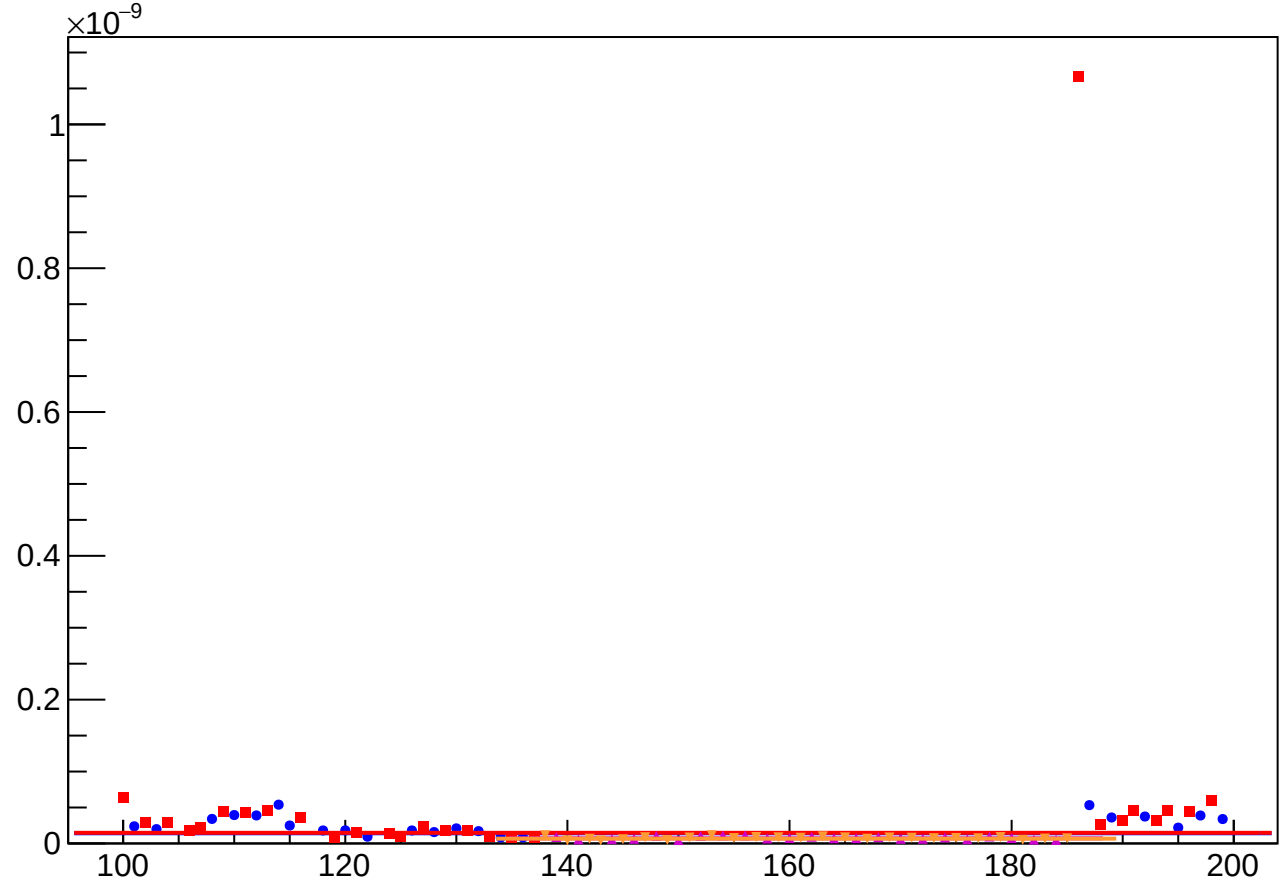
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/26

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/46

All: 0.000+/-0.000 χ^2/NDF: 105.4/96

- sign 0.000+/-0.000 χ^2/NDF: 47.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 3913246.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5953383.8/26

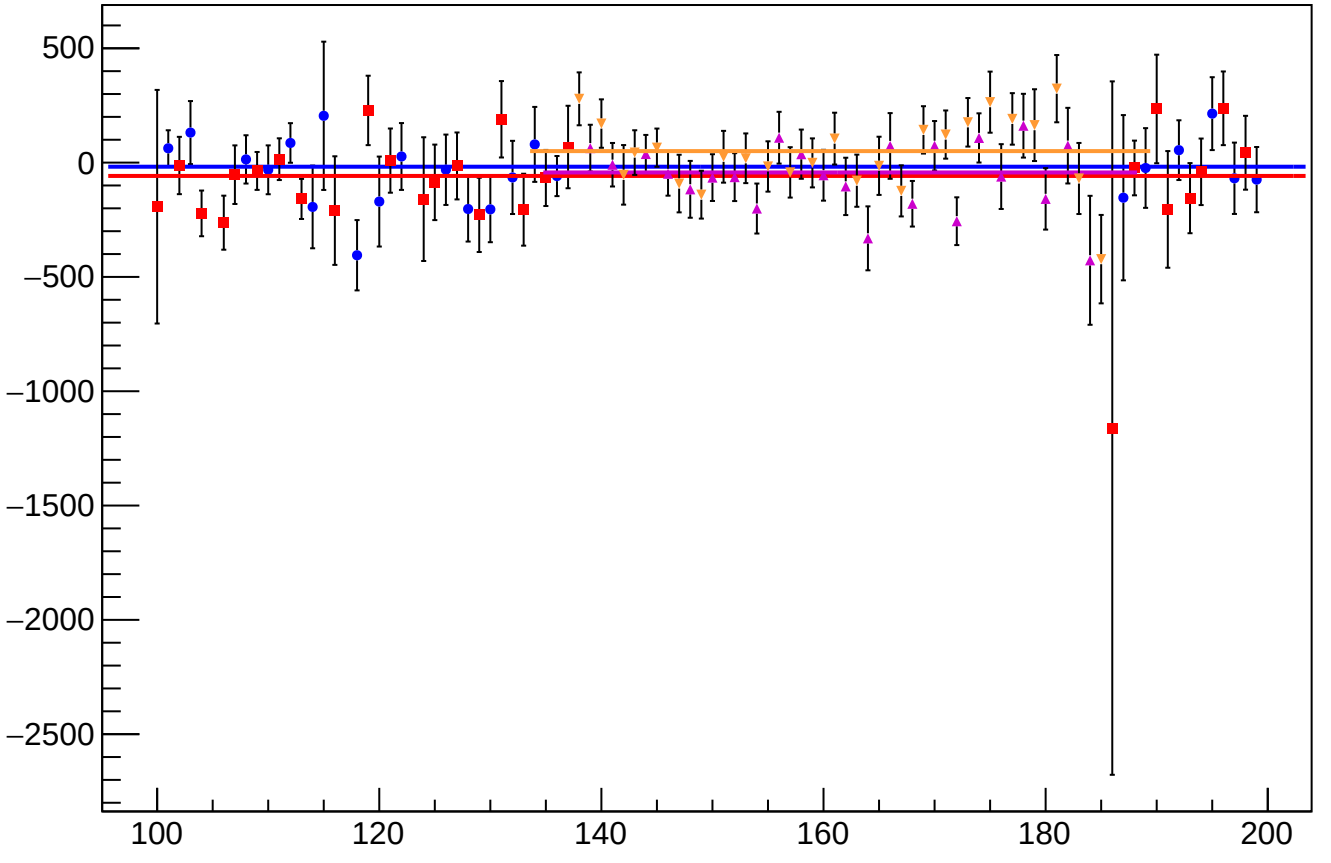
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8546219.5/46

All: 0.000+/-0.000 χ^2/NDF: 18691759.1/96

- sign 0.000+/-0.000 χ^2/NDF: 10077279.5/49

reg_asym_sam_1548_avg_mean vs Slug



Right In: -17.950+/-28.239 χ^2/NDF: 19.1/21

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -58.305+/-26.861 χ^2/NDF: 23.7/26

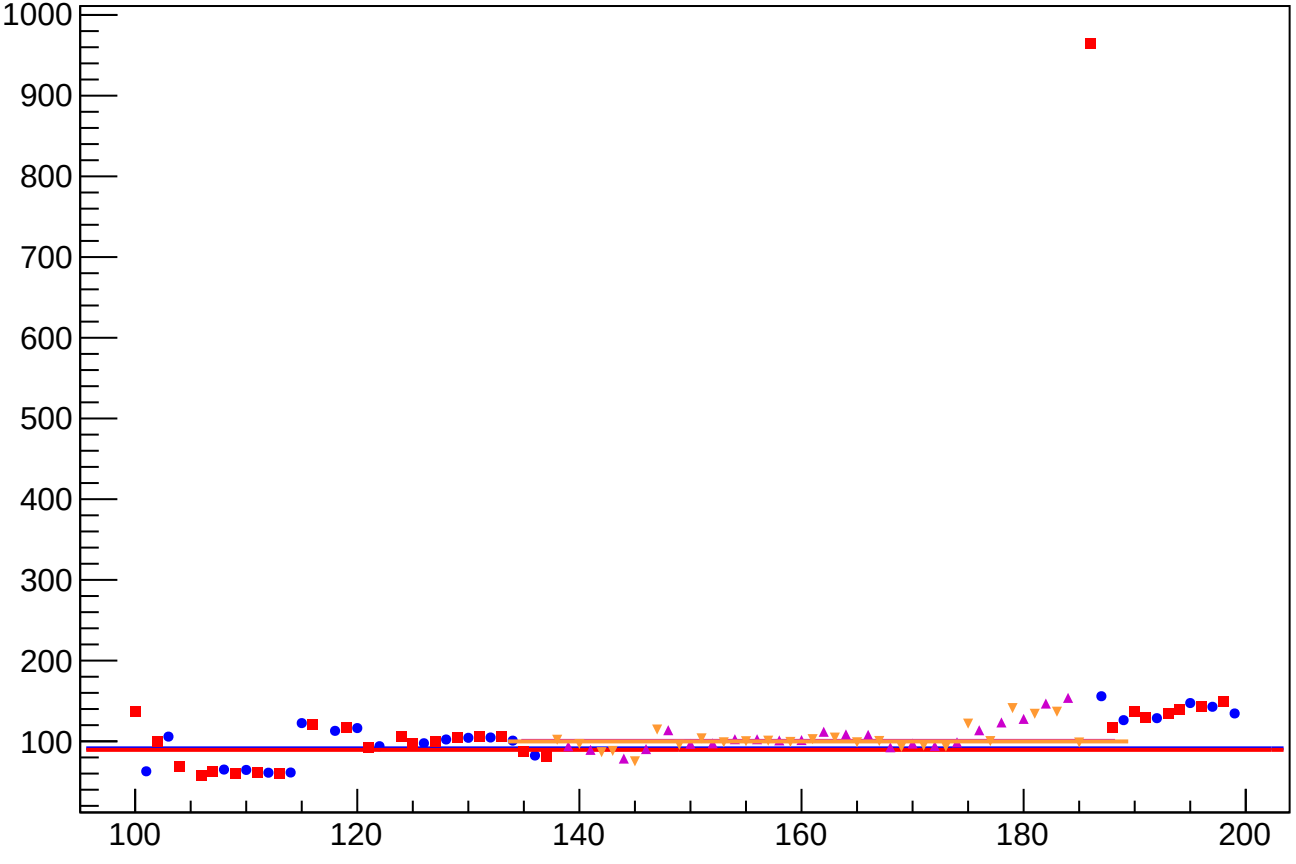
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.150+/-17.814 χ^2/NDF: 56.1/46

All: -13.327+/-12.590 χ^2/NDF: 114.9/96

- sign -49.732+/-17.796 χ^2/NDF: 50.5/49

reg_asym_sam_1548_avg_rms vs Slug



Right In: 91.243+/-0.020 χ^2/NDF: 1952543.2/21

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

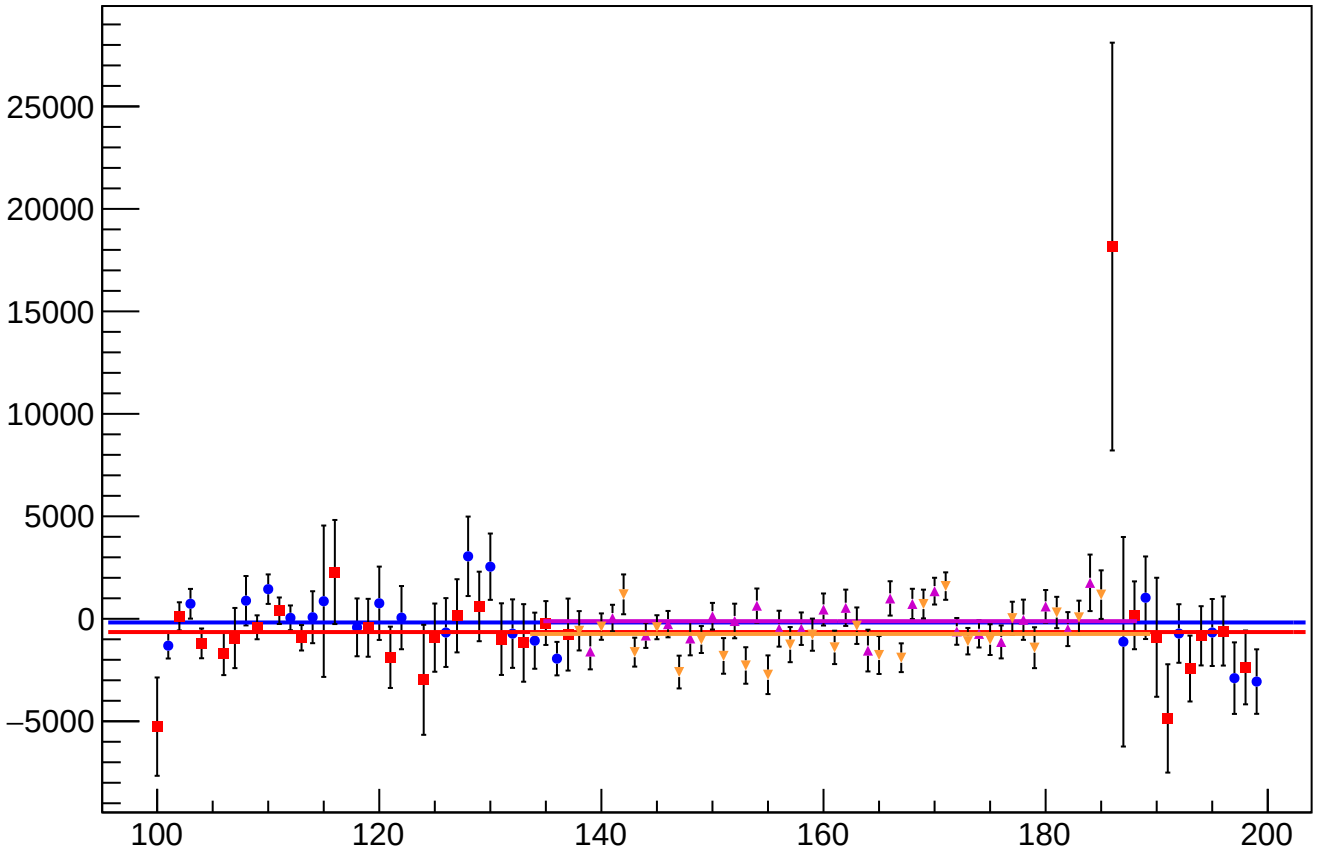
Right Out: 89.391+/-0.019 χ^2/NDF: 3012987.8/26

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 96.418+/-0.013 χ^2/NDF: 2761882.7/46

All: 96.020+/-0.009 χ^2/NDF: 6625578.4/96

\- sign 95.623+/-0.013 χ^2/NDF: 3861699.0/49



Right In: -178.521+/-242.380 χ^2/NDF: 28.6/21

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -646.540+/-225.054 χ^2/NDF: 21.9/26

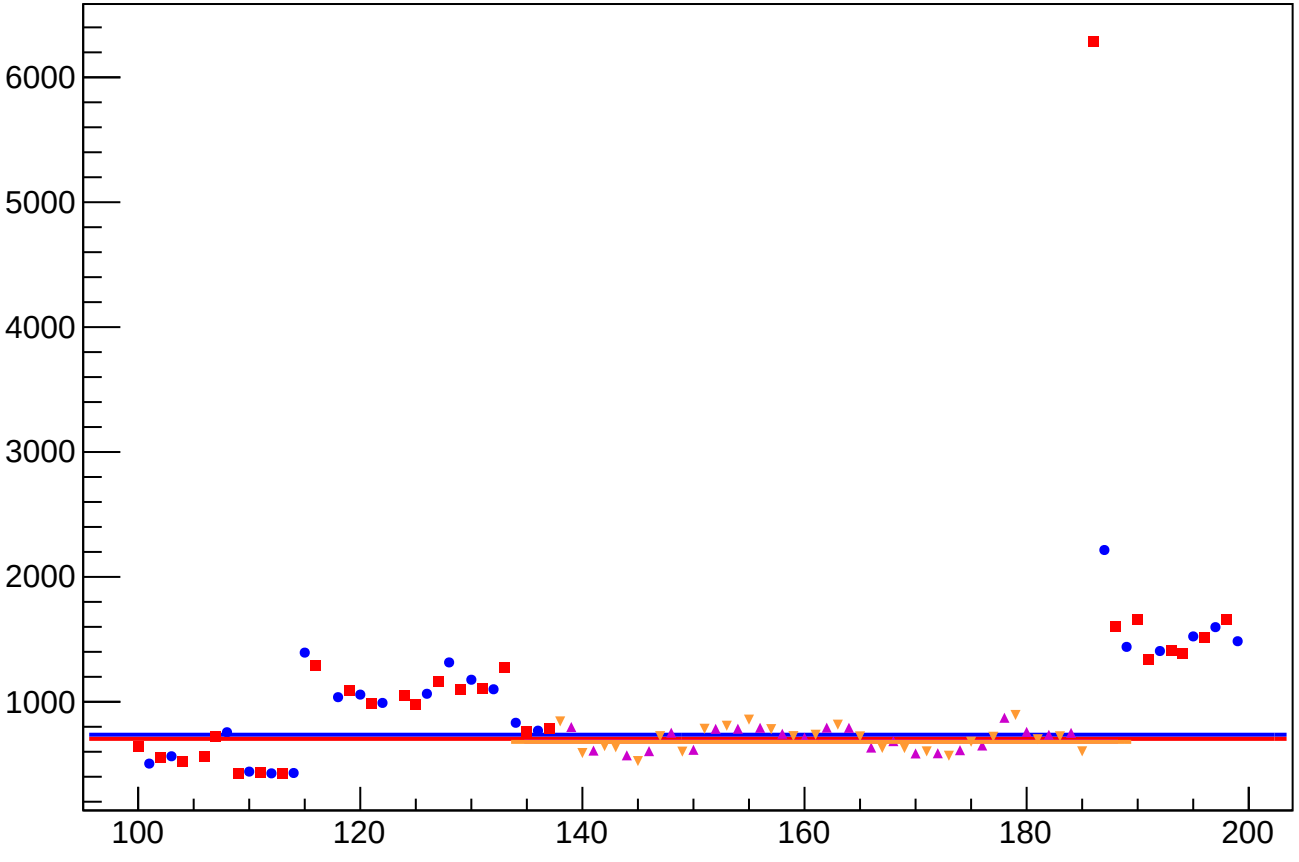
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -573.919+/-131.363 χ^2/NDF: 82.1/46

All: -434.181+/-92.737 χ^2/NDF: 133.7/96

- sign -295.348+/-130.938 χ^2/NDF: 49.4/49

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 736.490+/-0.171 χ^2/NDF: 4403300.2/21

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 703.318+/-0.159 χ^2/NDF: 5840812.8/26

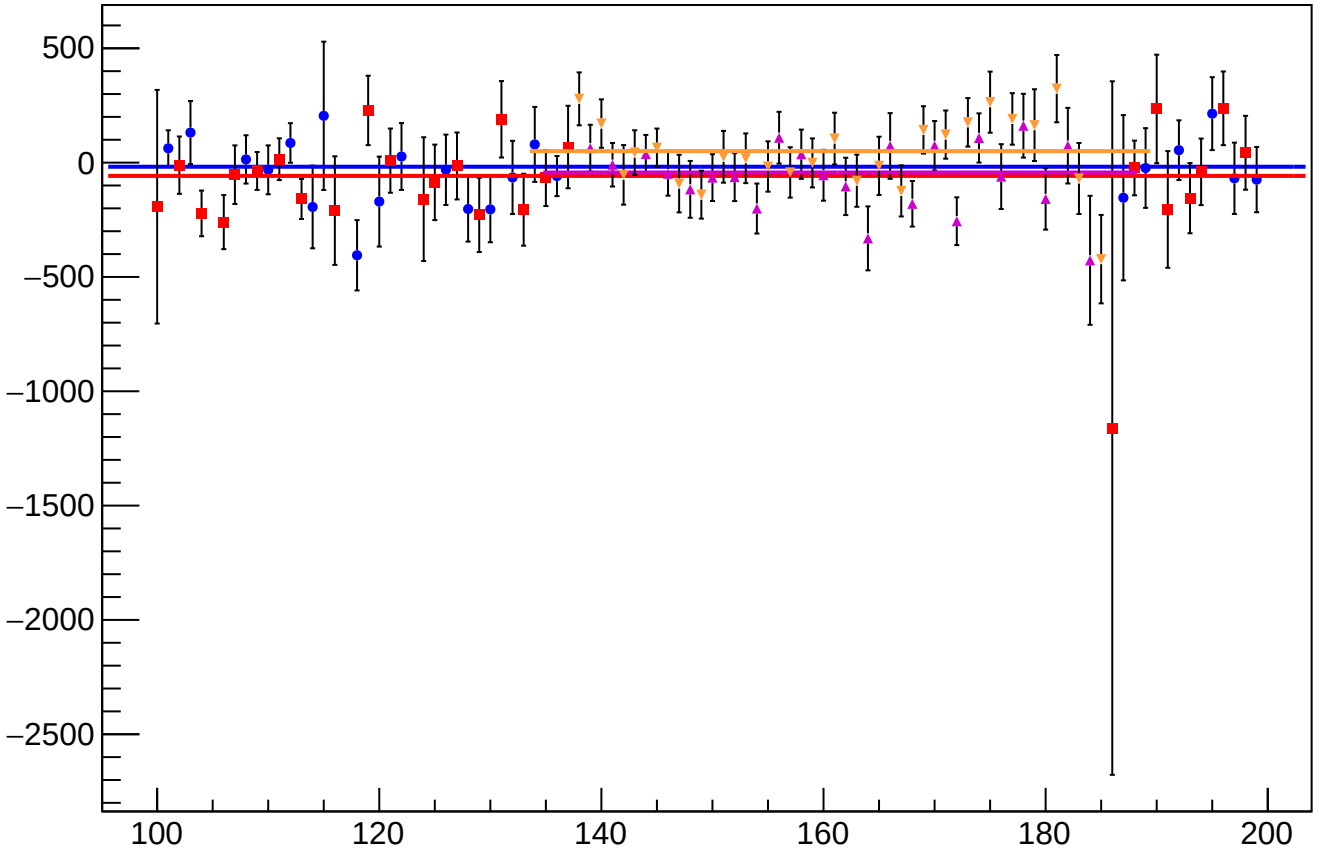
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 695.990+/-0.093 χ^2/NDF: 5219782.9/46

All: 692.557+/-0.066 χ^2/NDF: 11649122.0/96

- sign 689.145+/-0.093 χ^2/NDF: 6426615.5/49

cor_asym_sam_1548_avg_mean vs Slug



Right In: -17.952+/-28.239 χ^2/NDF: 19.1/21

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -58.090+/-26.863 χ^2/NDF: 23.6/26

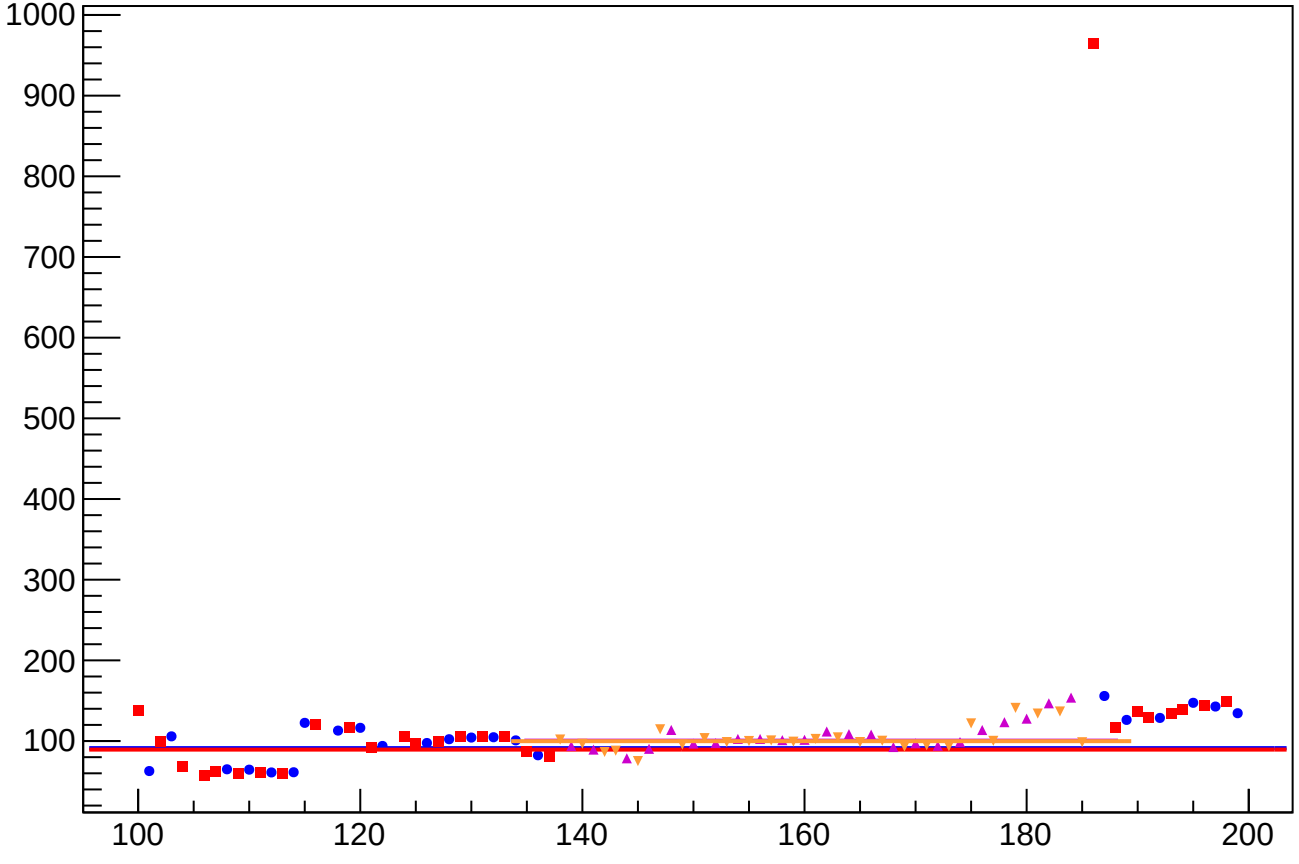
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.154+/-17.814 χ^2/NDF: 56.1/46

All: -13.277+/-12.590 χ^2/NDF: 114.8/96

- sign -49.638+/-17.796 χ^2/NDF: 50.4/49

cor_asym_sam_1548_avg_rms vs Slug



Right In: 91.243+/-0.020 χ^2/NDF: 1952544.8/21

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 89.377+/-0.019 χ^2/NDF: 3016015.8/26

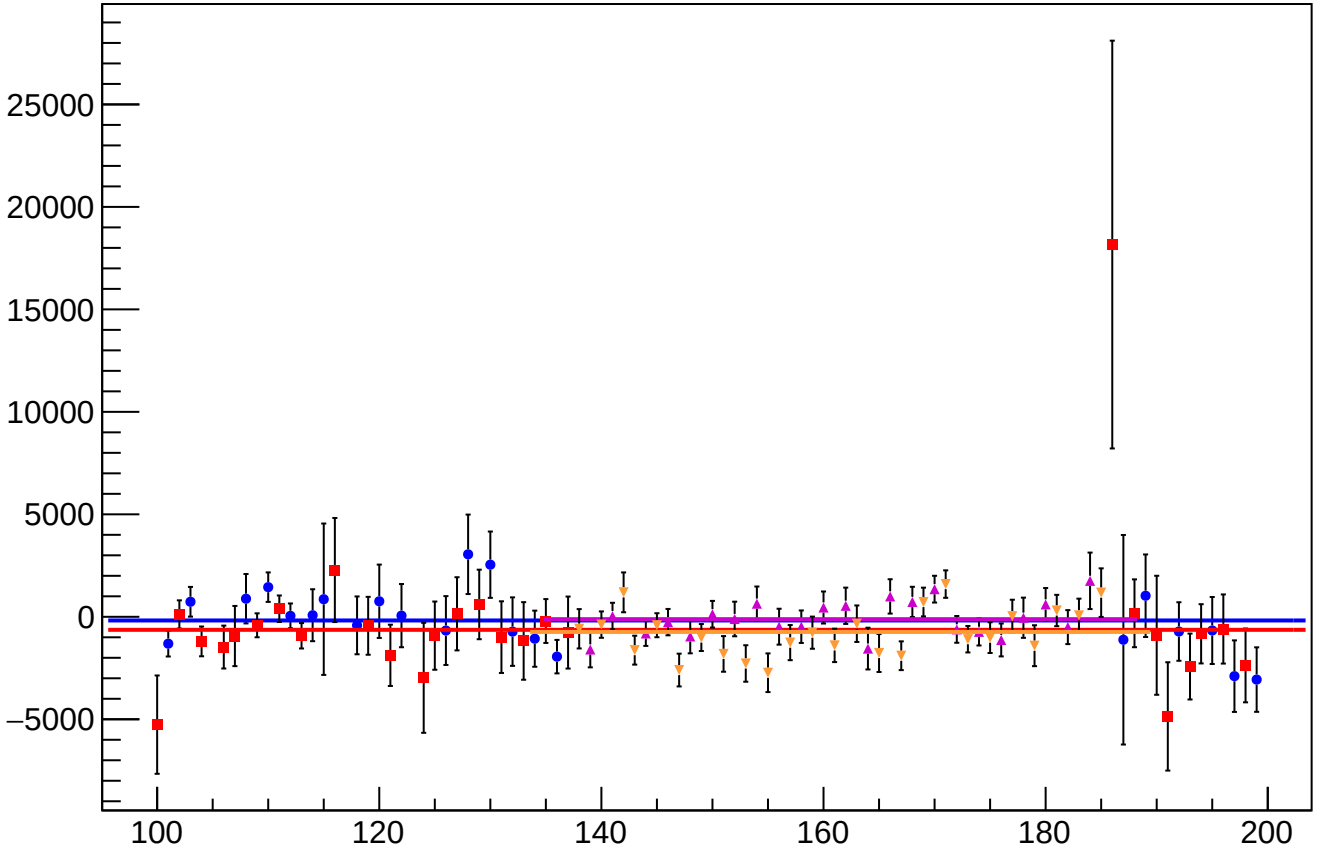
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 96.418+/-0.013 χ^2/NDF: 2761883.9/46

All: 96.017+/-0.009 χ^2/NDF: 6629107.3/96

\- sign 95.617+/-0.013 χ^2/NDF: 3865197.3/49

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -178.547+/-242.382 χ^2/NDF: 28.6/21

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -635.107+/-225.178 χ^2/NDF: 21.5/26

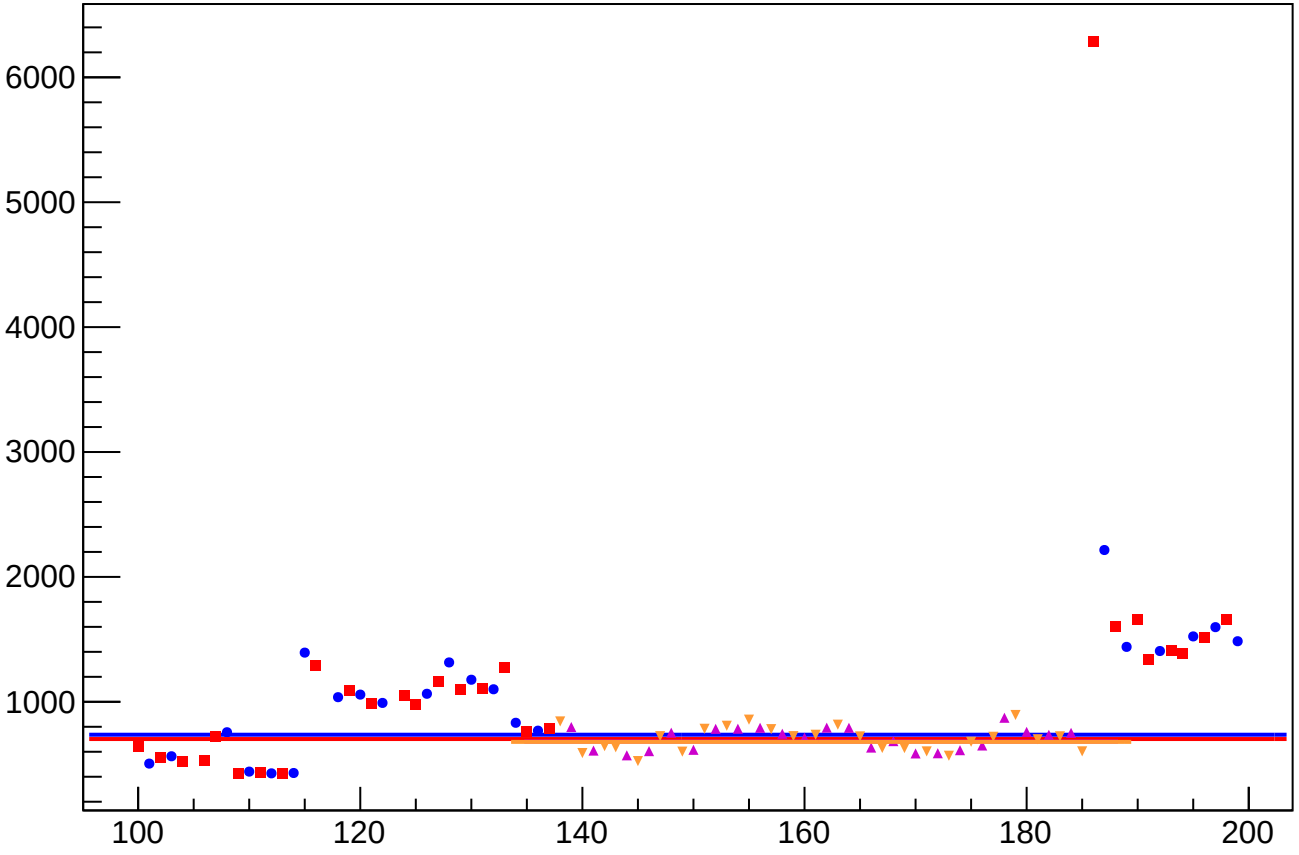
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -573.921+/-131.364 χ^2/NDF: 82.1/46

All: -432.203+/-92.746 χ^2/NDF: 133.1/96

- sign -291.350+/-130.962 χ^2/NDF: 48.8/49

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 736.500+/-0.171 χ^2/NDF: 4403201.1/21

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 701.935+/-0.159 χ^2/NDF: 5859184.9/26

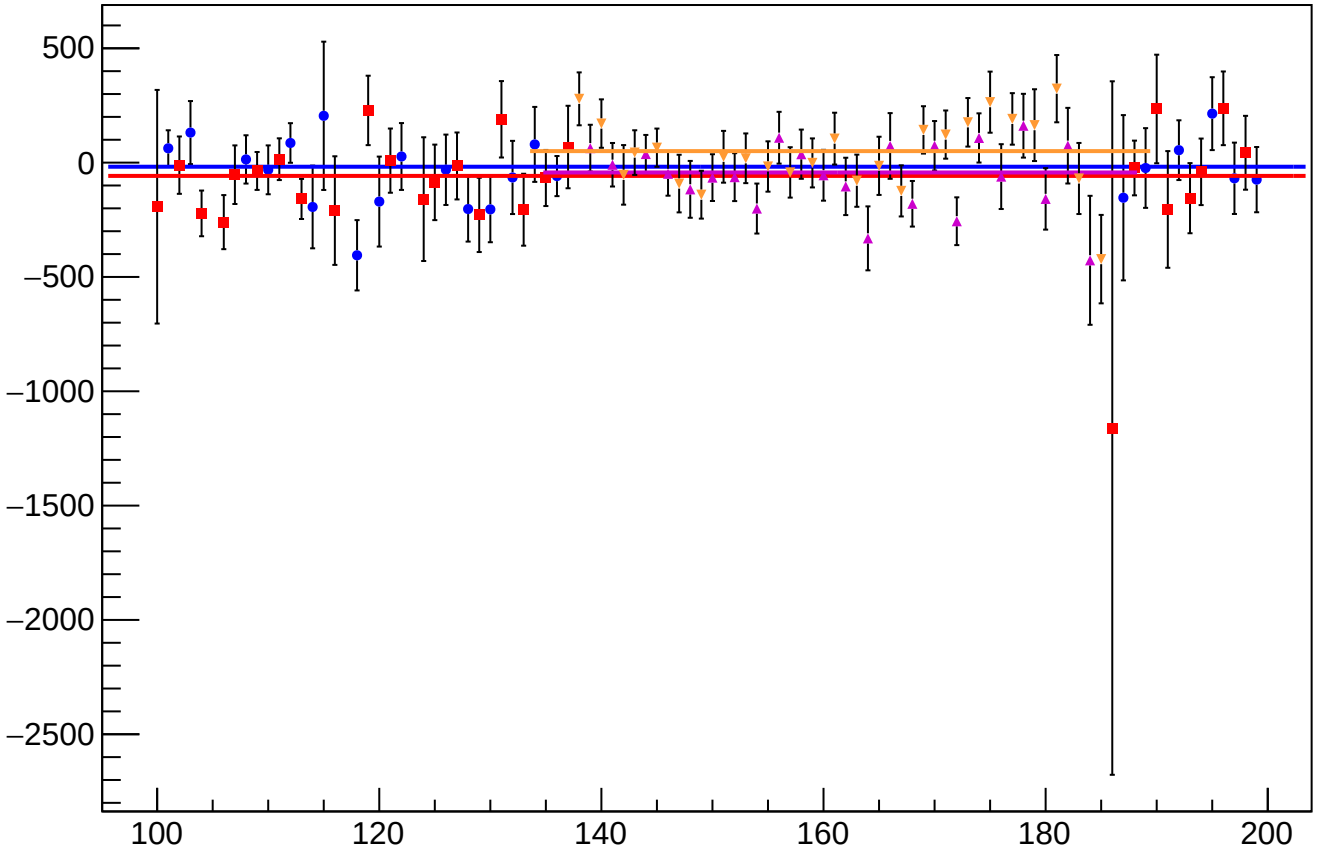
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 695.993+/-0.093 χ^2/NDF: 5219709.2/46

All: 692.321+/-0.066 χ^2/NDF: 11666307.3/96

- sign 688.672+/-0.093 χ^2/NDF: 6443483.2/49

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -17.952+/-28.239 χ^2/NDF: 19.1/21

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -58.090+/-26.863 χ^2/NDF: 23.6/26

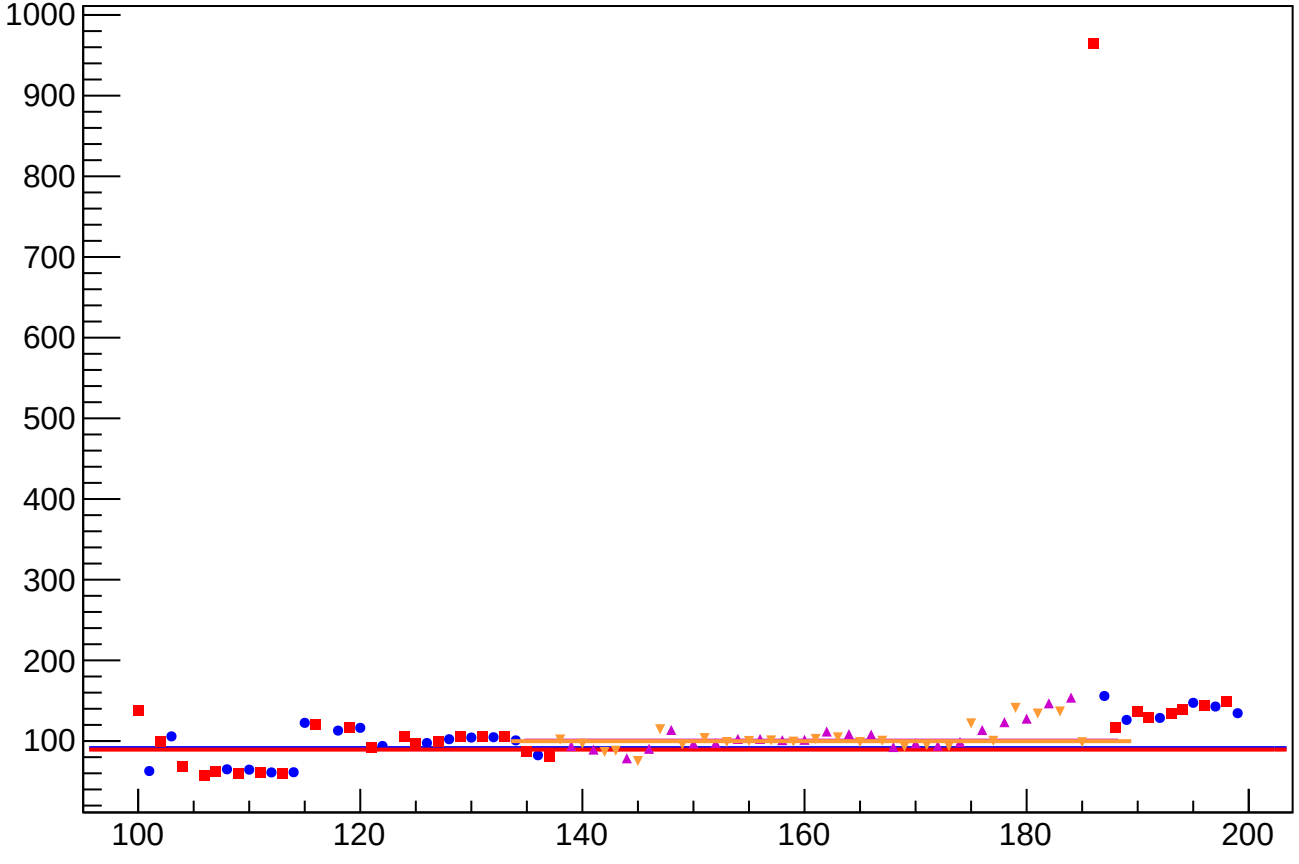
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.154+/-17.814 χ^2/NDF: 56.1/46

All: -13.277+/-12.590 χ^2/NDF: 114.8/96

- sign -49.638+/-17.796 χ^2/NDF: 50.4/49

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 91.243+/-0.020 χ^2/NDF: 1952544.8/21

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

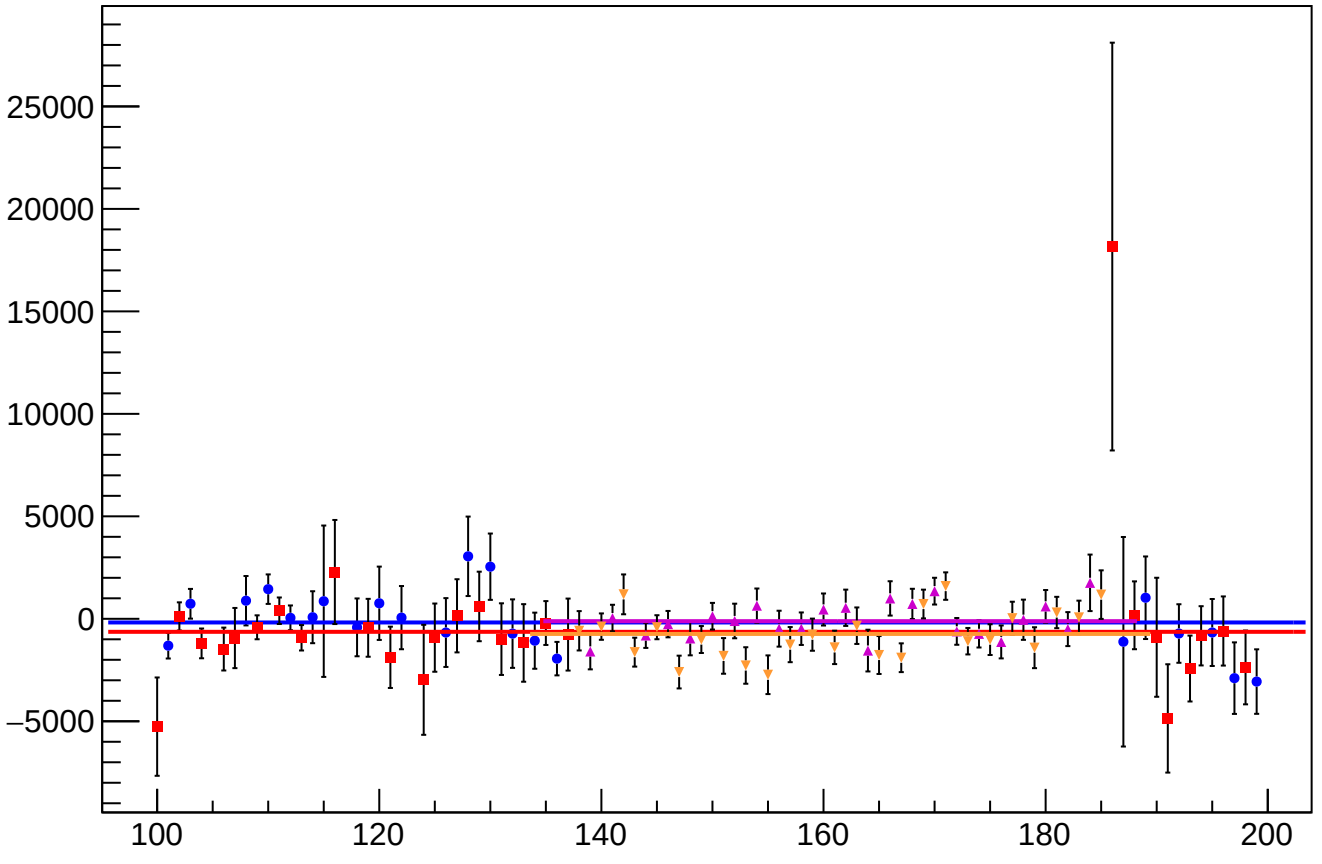
Right Out: 89.377+/-0.019 χ^2/NDF: 3016015.8/26

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 96.418+/-0.013 χ^2/NDF: 2761883.9/46

All: 96.017+/-0.009 χ^2/NDF: 6629107.3/96

- sign 95.617+/-0.013 χ^2/NDF: 3865197.3/49



Right In: -178.547+/-242.382 χ^2/NDF: 28.6/21

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

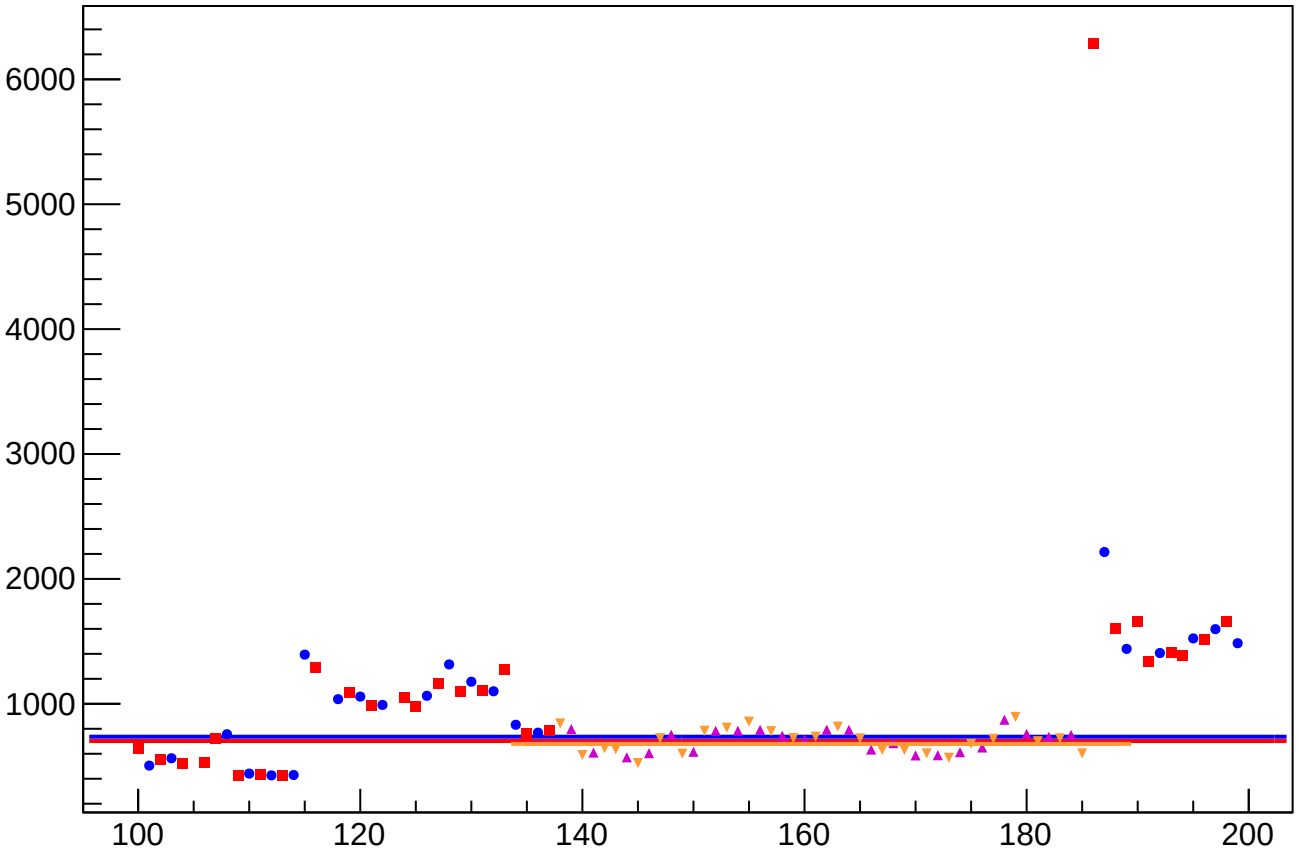
Right Out: -635.107+/-225.178 χ^2/NDF: 21.5/26

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -573.921+/-131.364 χ^2/NDF: 82.1/46

All: -432.203+/-92.746 χ^2/NDF: 133.1/96

- sign -291.350+/-130.962 χ^2/NDF: 48.8/49



Right In: 736.500+/-0.171 χ^2/NDF: 4403201.1/21

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 701.935+/-0.159 χ^2/NDF: 5859184.9/26

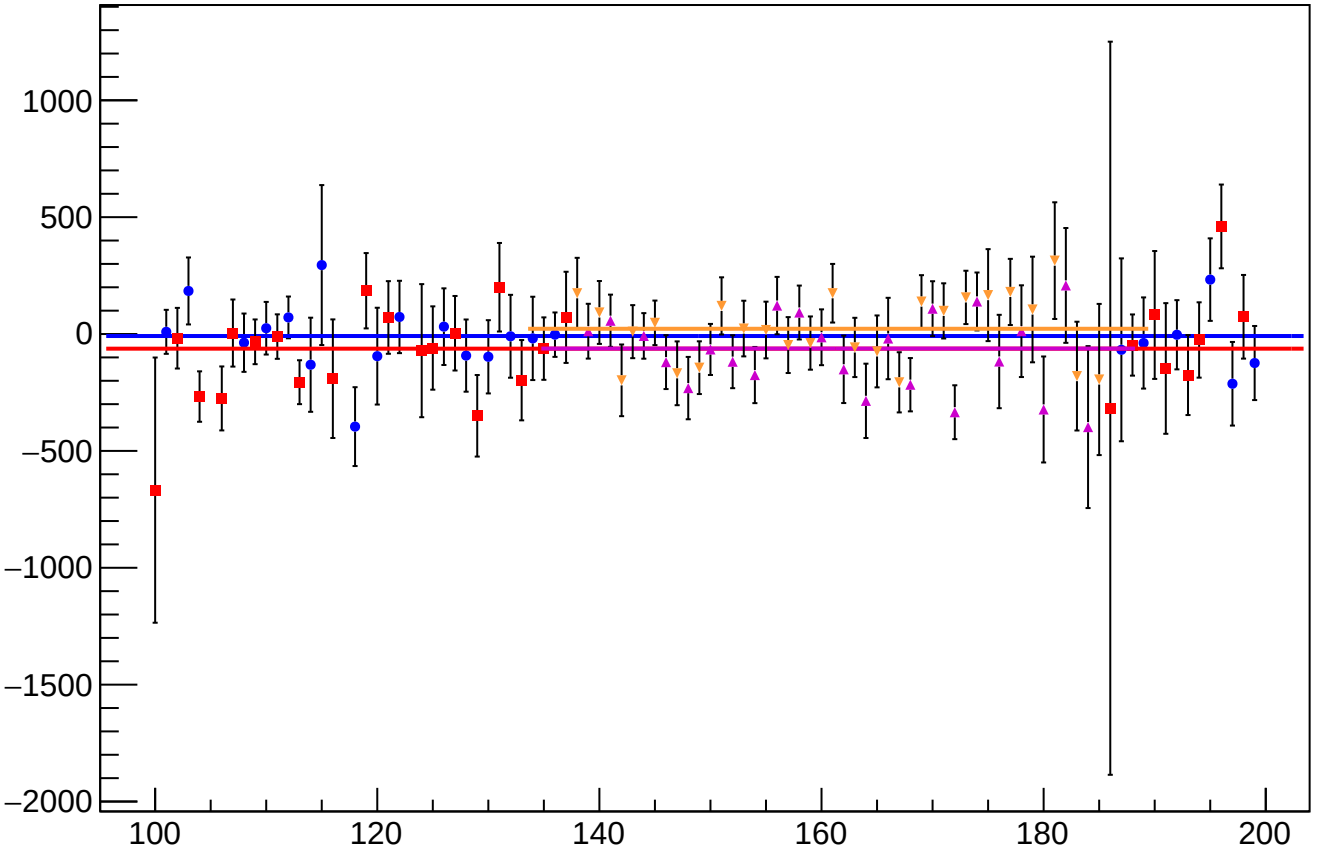
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 695.993+/-0.093 χ^2/NDF: 5219709.2/46

All: 692.321+/-0.066 χ^2/NDF: 11666307.3/96

- sign 688.672+/-0.093 χ^2/NDF: 6443483.2/49

dit_asym_sam_1548_avg_mean vs Slug



Right In: -8.493+/-31.024 χ^2/NDF: 14.1/21

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -62.610+/-29.373 χ^2/NDF: 29.5/26

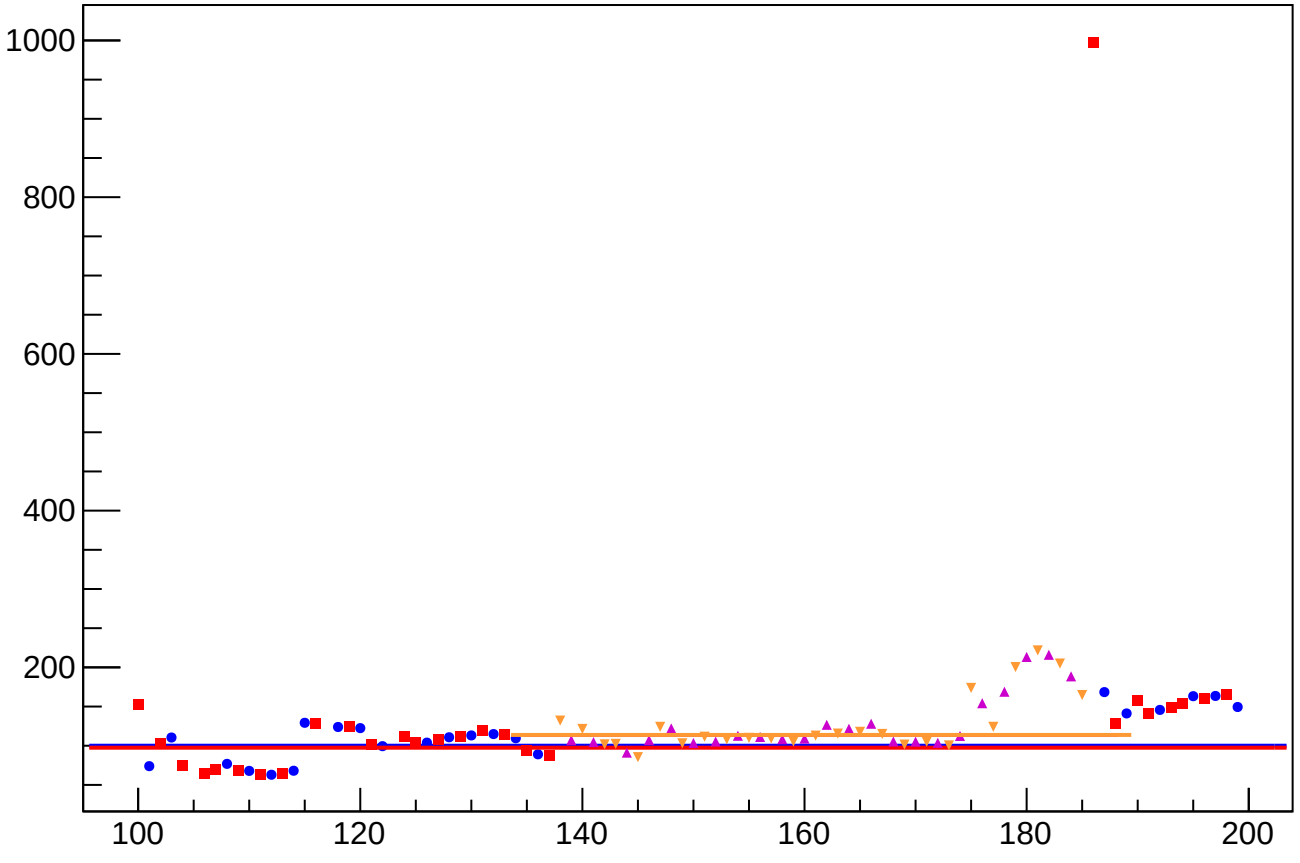
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 9.369+/-20.213 χ^2/NDF: 36.3/46

All: -26.860+/-14.221 χ^2/NDF: 99.4/96

- sign -62.374+/-20.012 χ^2/NDF: 56.8/49

dit_asym_sam_1548_avg_rms vs Slug



Right In: 100.006+/-0.022 χ^2/NDF: 1983459.3/21

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 97.488+/-0.021 χ^2/NDF: 3038470.8/26

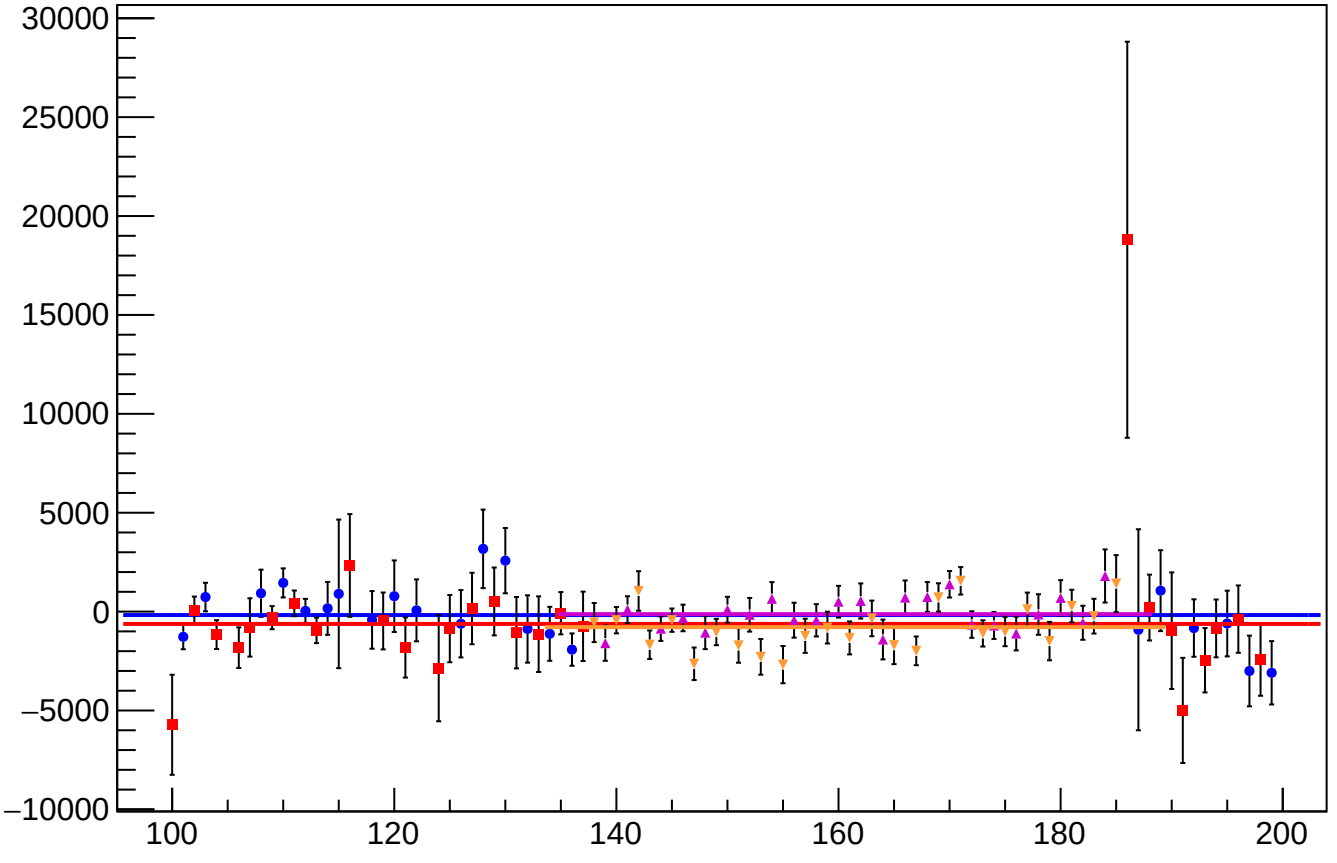
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 107.925+/-0.014 χ^2/NDF: 3789810.1/46

All: 107.035+/-0.010 χ^2/NDF: 8477546.0/96

- sign 106.162+/-0.014 χ^2/NDF: 4680049.5/49

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -175.354+/-244.856 χ^2/NDF: 28.4/21

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -623.096+/-227.598 χ^2/NDF: 22.8/26

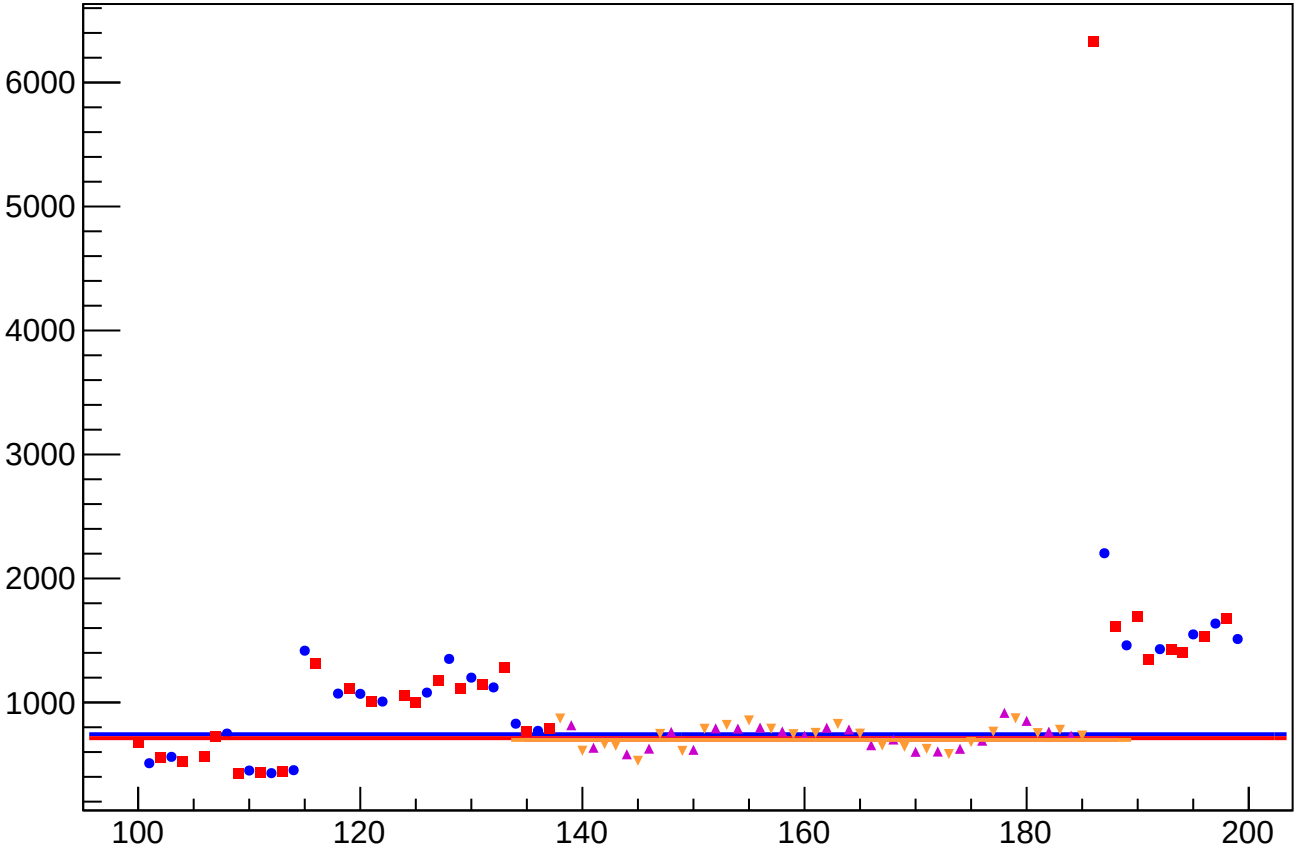
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -601.310+/-134.222 χ^2/NDF: 78.1/46

All: -449.598+/-94.733 χ^2/NDF: 129.3/96

- sign -299.011+/-133.723 χ^2/NDF: 48.6/49

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 743.517+/-0.173 χ^2/NDF: 4448923.6/21

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 711.962+/-0.161 χ^2/NDF: 5837181.4/26

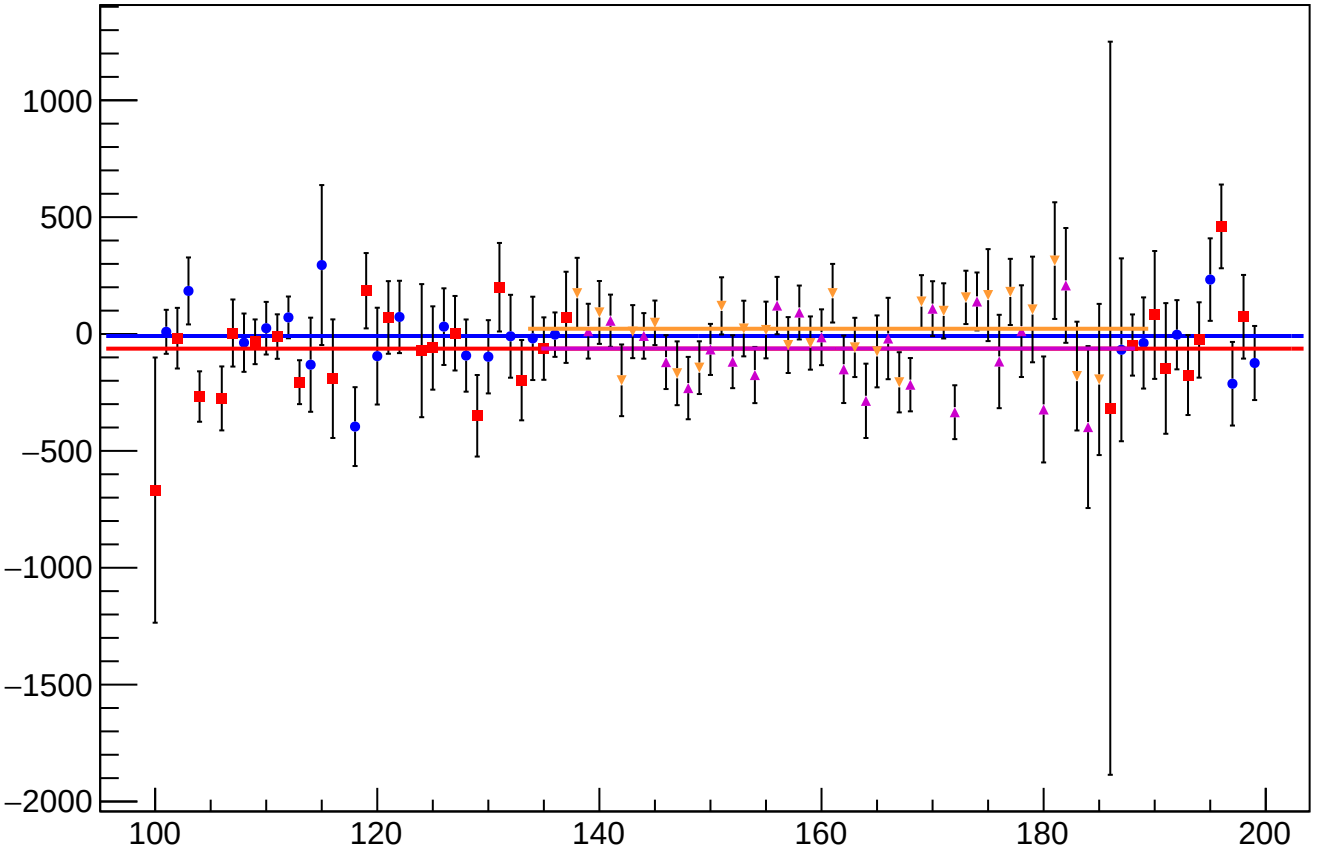
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 711.843+/-0.095 χ^2/NDF: 5211453.0/46

All: 707.998+/-0.067 χ^2/NDF: 11639793.6/96

- sign 704.181+/-0.095 χ^2/NDF: 6425070.0/49

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -8.492+/-31.024 χ^2/NDF: 14.1/21

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -62.610+/-29.373 χ^2/NDF: 29.5/26

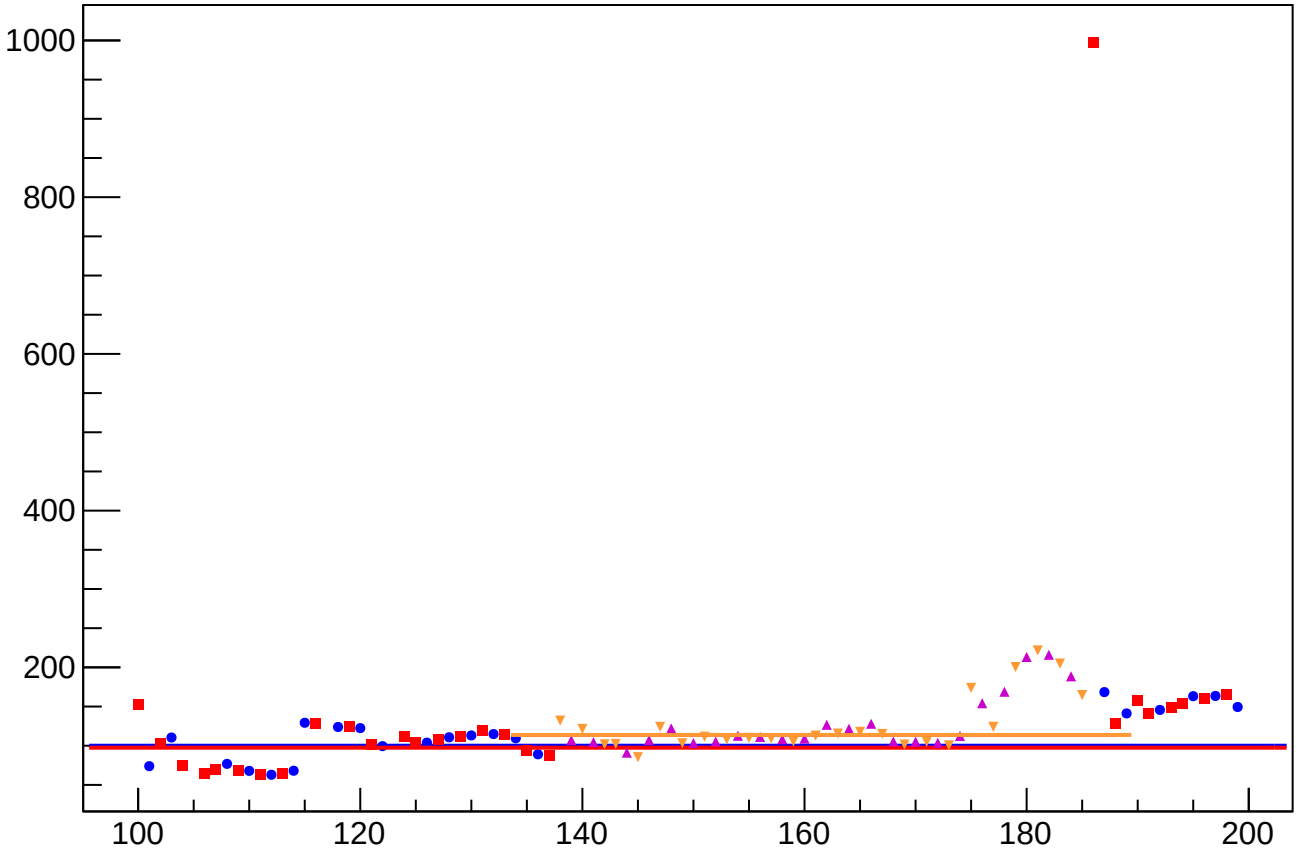
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 9.370+/-20.213 χ^2/NDF: 36.3/46

All: -26.860+/-14.221 χ^2/NDF: 99.4/96

- sign -62.374+/-20.012 χ^2/NDF: 56.8/49

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 100.006+/-0.022 χ^2/NDF: 1983451.4/21

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

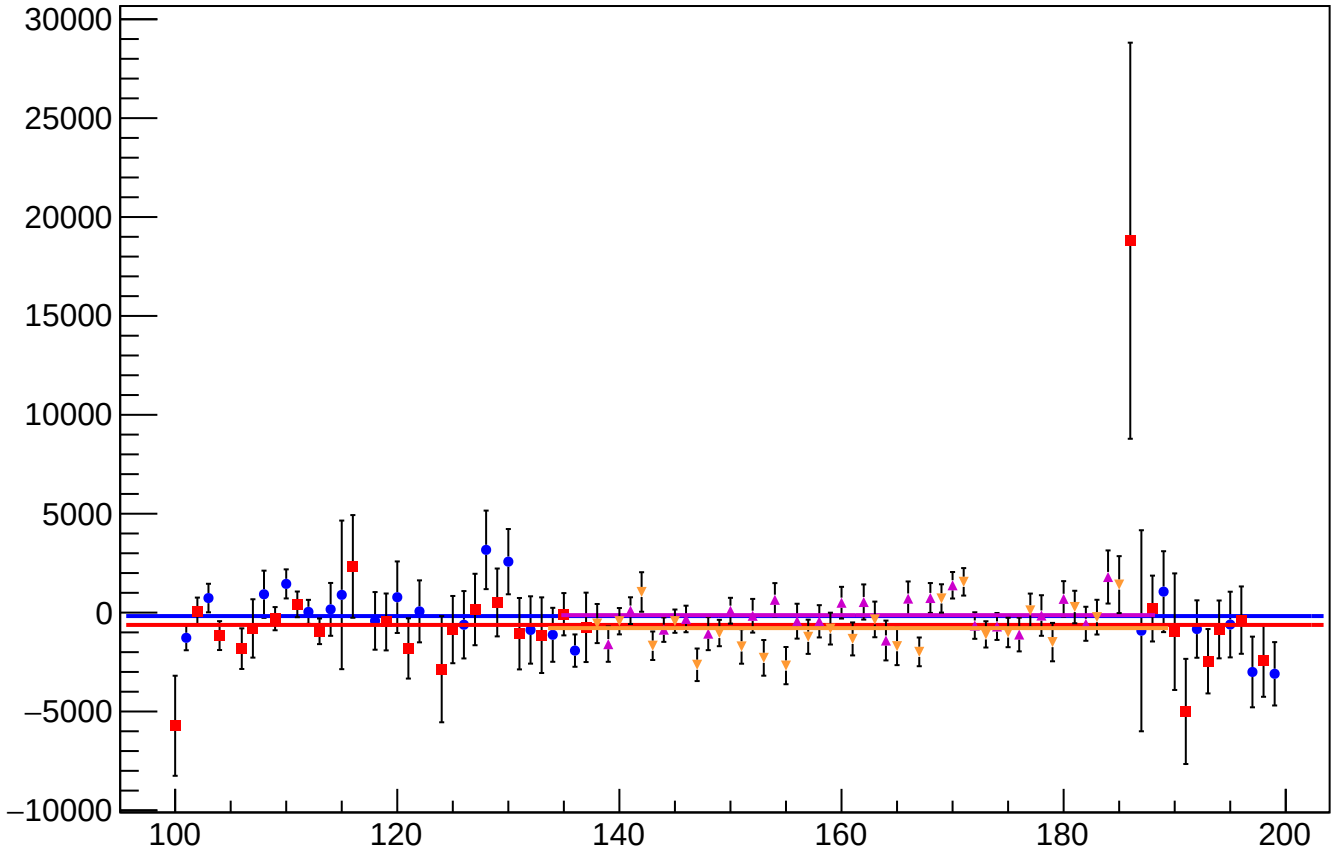
Right Out: 97.488+/-0.021 χ^2/NDF: 3038470.1/26

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 107.925+/-0.014 χ^2/NDF: 3789798.1/46

All: 107.035+/-0.010 χ^2/NDF: 8477519.9/96

- sign 106.162+/-0.014 χ^2/NDF: 4680035.5/49



Right In: -175.354+/-244.856 χ^2/NDF: 28.4/21

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

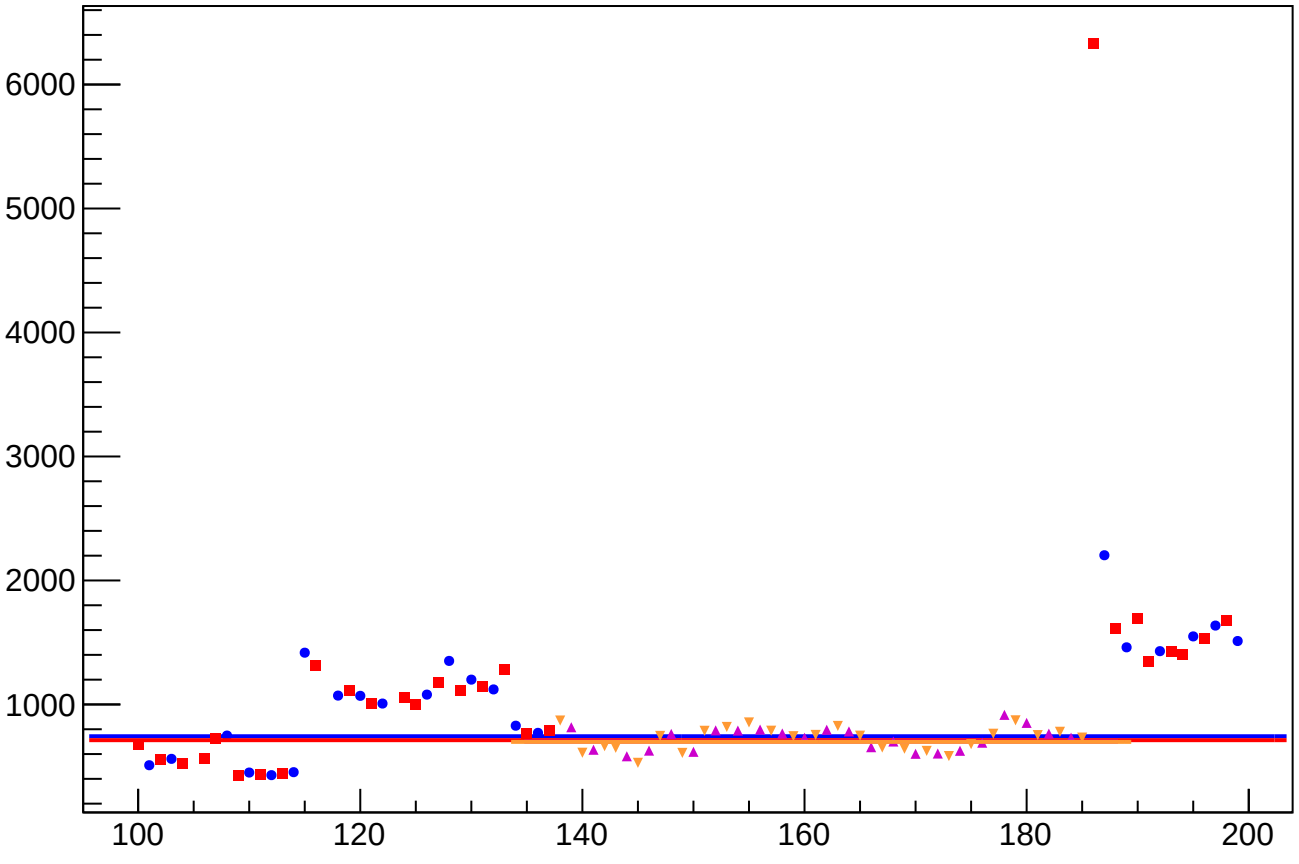
Right Out: -623.095+/-227.598 χ^2/NDF: 22.8/26

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -601.309+/-134.222 χ^2/NDF: 78.1/46

All: -449.597+/-94.732 χ^2/NDF: 129.3/96

- sign -299.010+/-133.723 χ^2/NDF: 48.6/49



Right In: 743.516+/-0.173 χ^2/NDF: 4448925.9/21

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 711.961+/-0.161 χ^2/NDF: 5837179.0/26

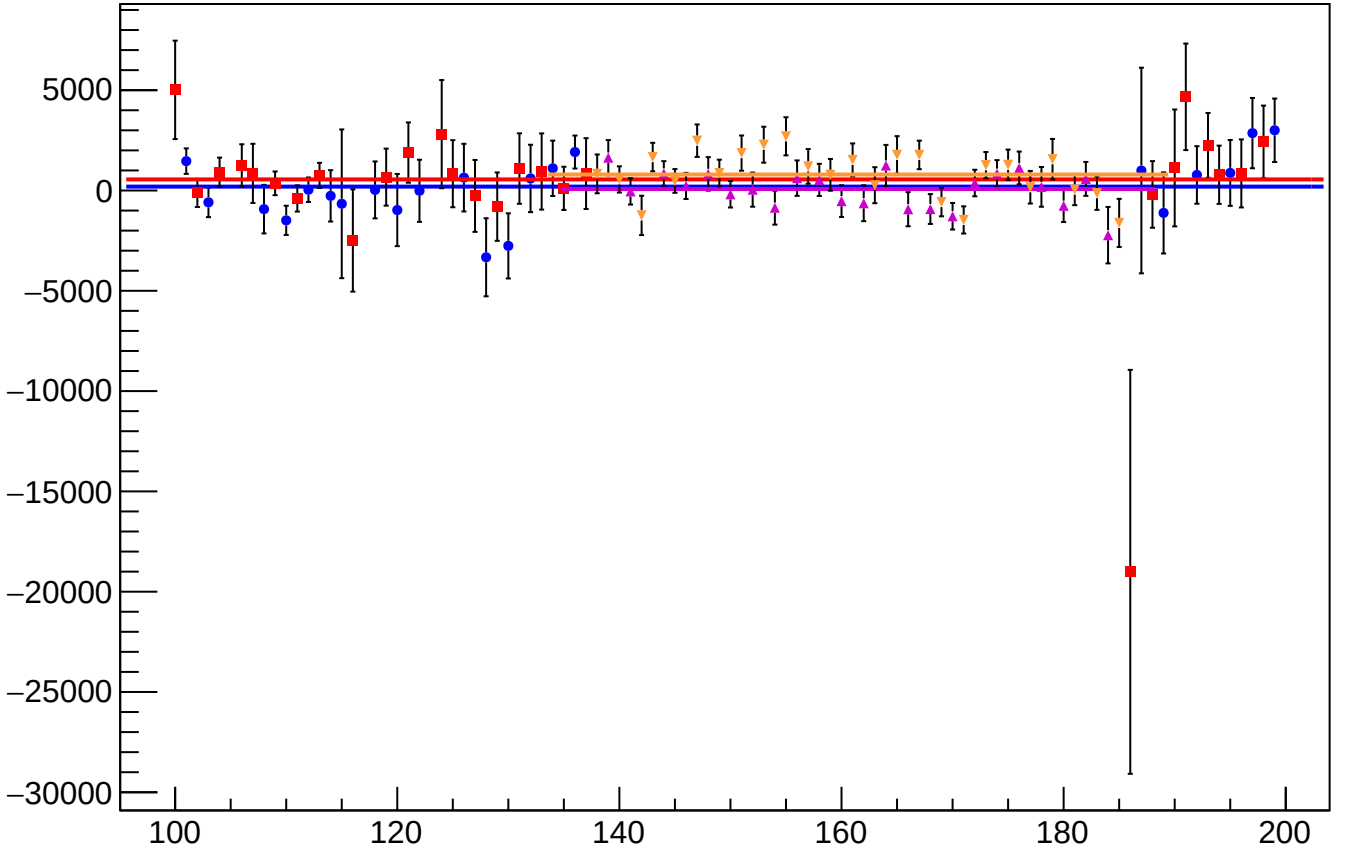
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 711.842+/-0.095 χ^2/NDF: 5211453.5/46

All: 707.997+/-0.067 χ^2/NDF: 11639786.9/96

- sign 704.181+/-0.095 χ^2/NDF: 6425062.9/49

asym_sam_1548_avg_mean vs Slug



Right In: 194.152+/-244.840 χ^2/NDF: 29.8/21

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 552.507+/-227.368 χ^2/NDF: 20.1/26

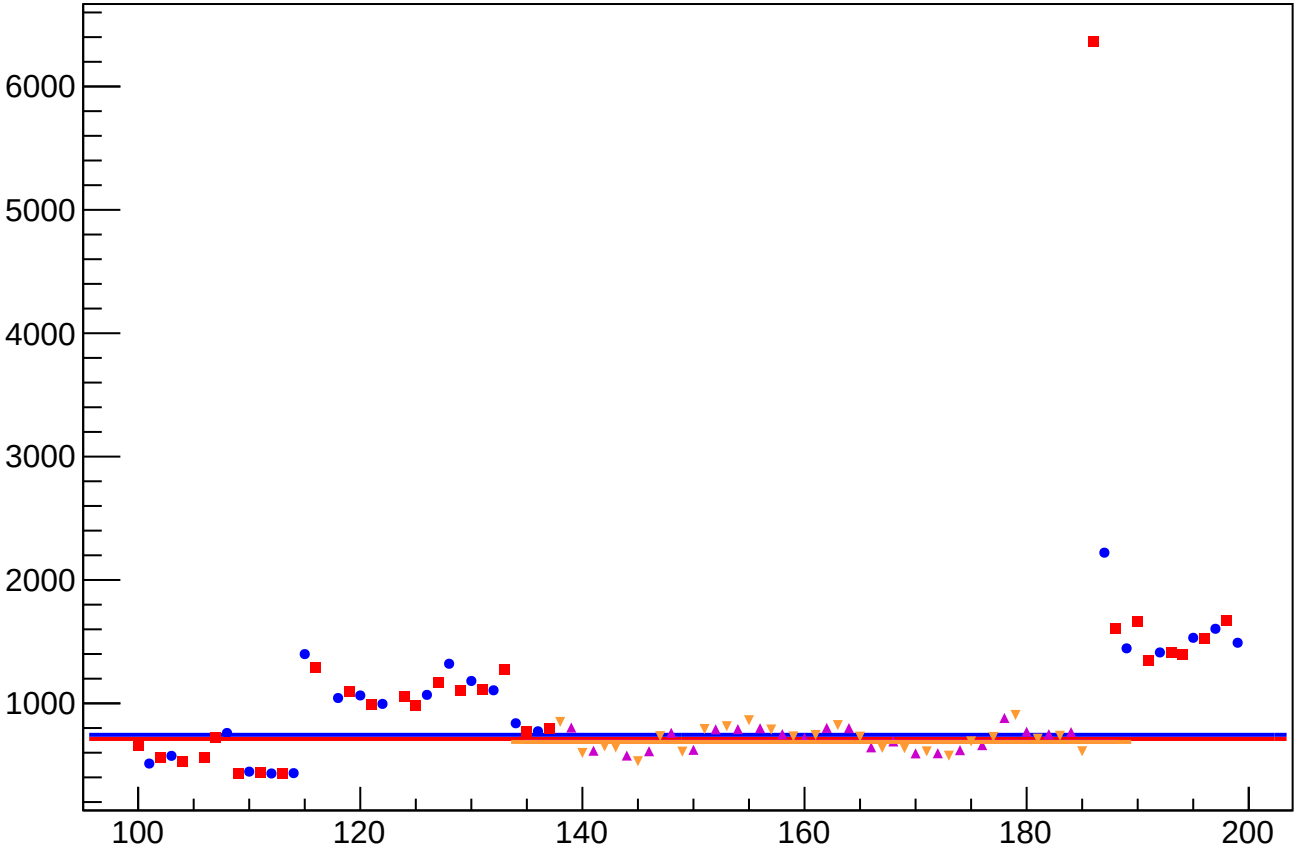
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 619.469+/-132.841 χ^2/NDF: 80.5/46

All: 427.087+/-93.780 χ^2/NDF: 132.5/96

- sign 235.952+/-132.410 χ^2/NDF: 47.9/49

asym_sam_1548_avg_rms vs Slug



Right In: 745.069+/-0.173 χ^2/NDF: 4343040.7/21

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

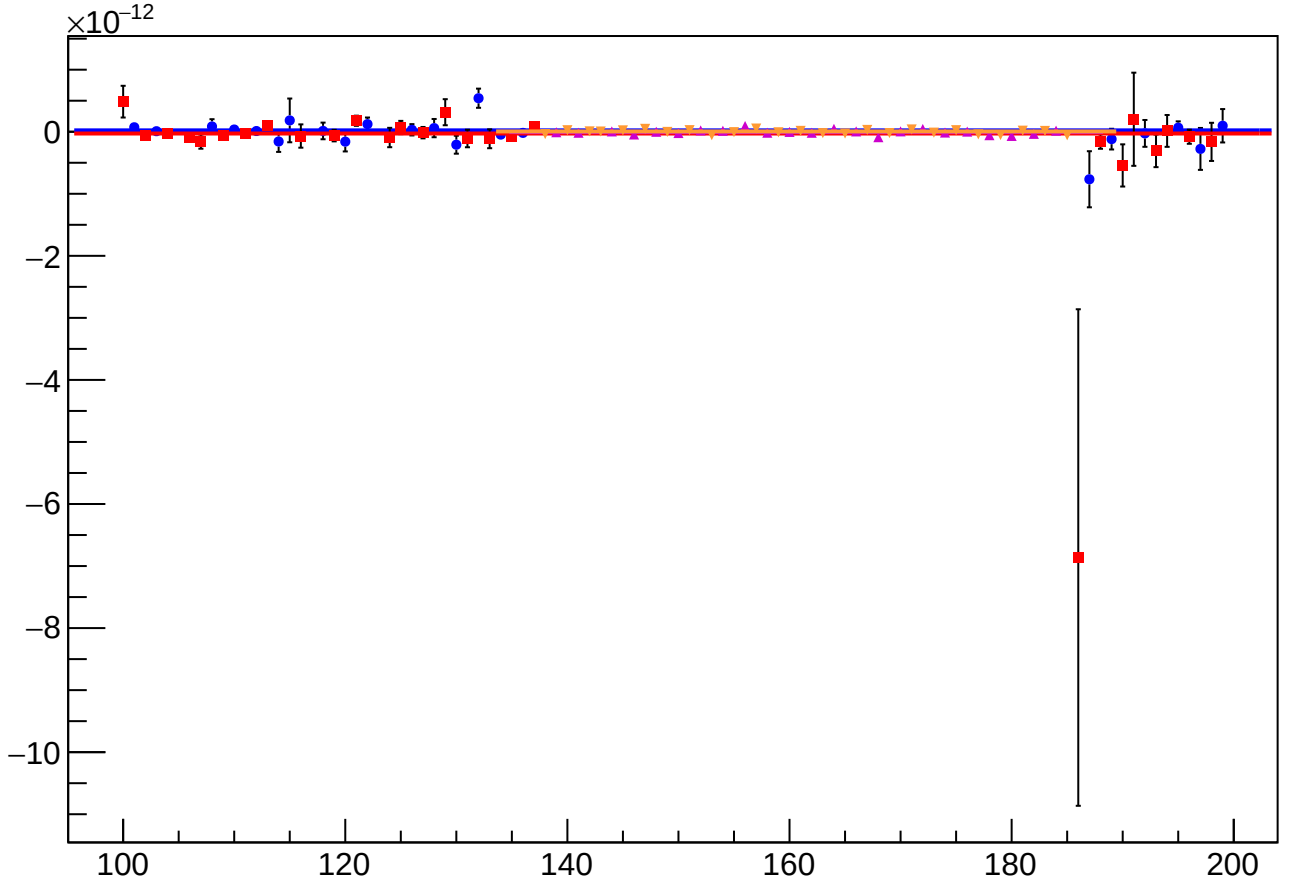
Right Out: 711.339+/-0.161 χ^2/NDF: 5781439.8/26

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 704.266+/-0.094 χ^2/NDF: 5149756.1/46

All: 700.739+/-0.066 χ^2/NDF: 11512740.6/96

- sign 697.235+/-0.094 χ^2/NDF: 6360174.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 28.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

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

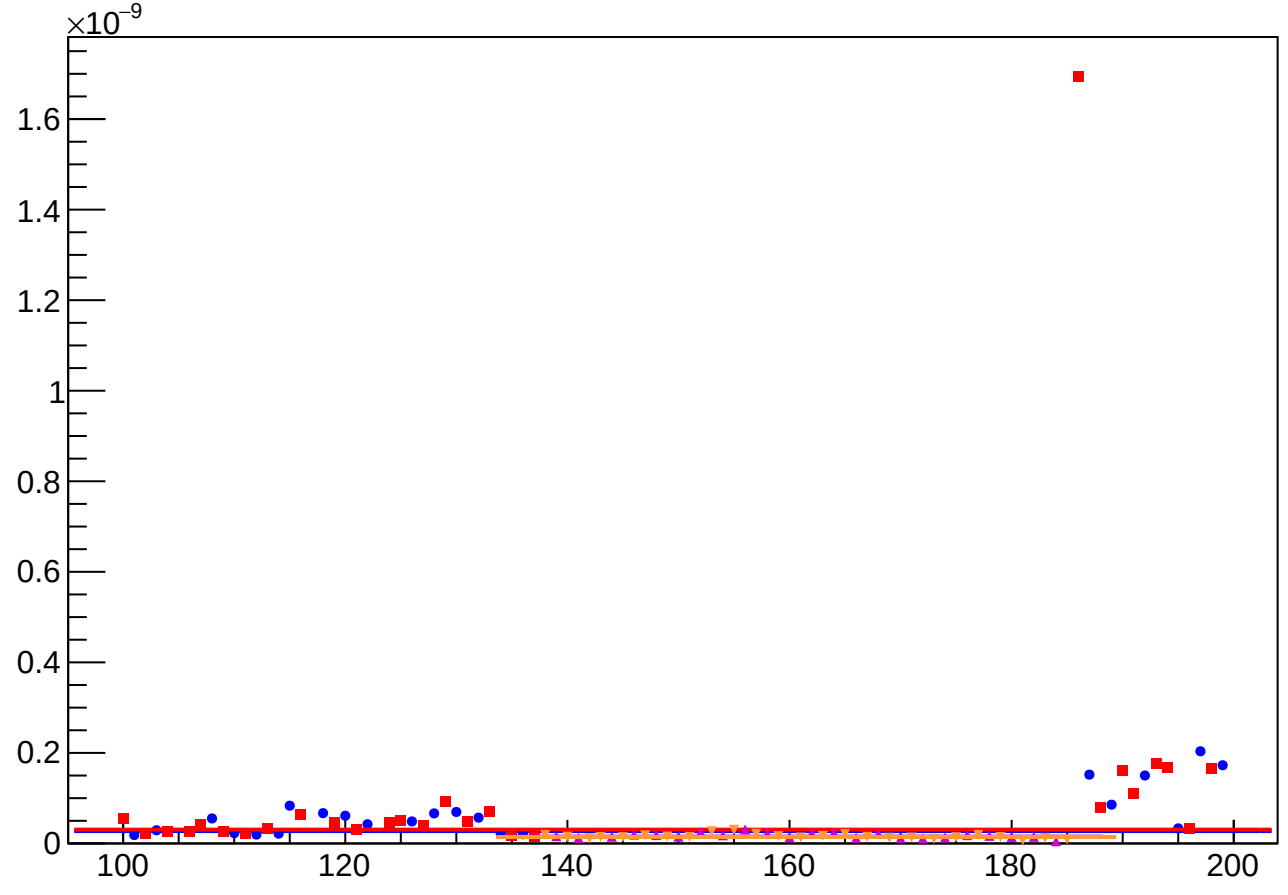
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.6/46

All: -0.000+/-0.000 χ^2/NDF: 118.0/96

- 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: 3528187.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

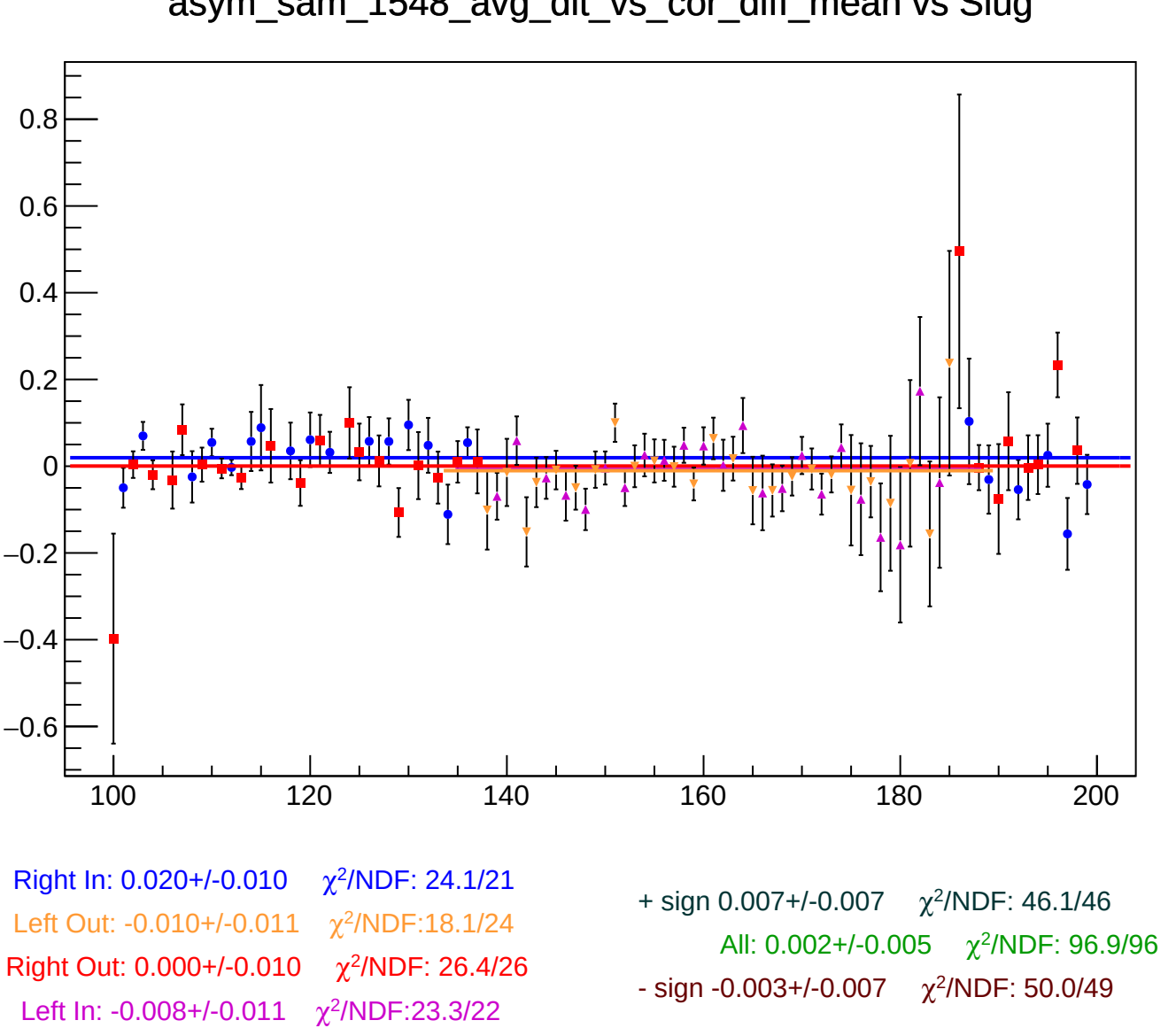
Right Out: 0.000+/-0.000 χ^2/NDF: 3645936.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

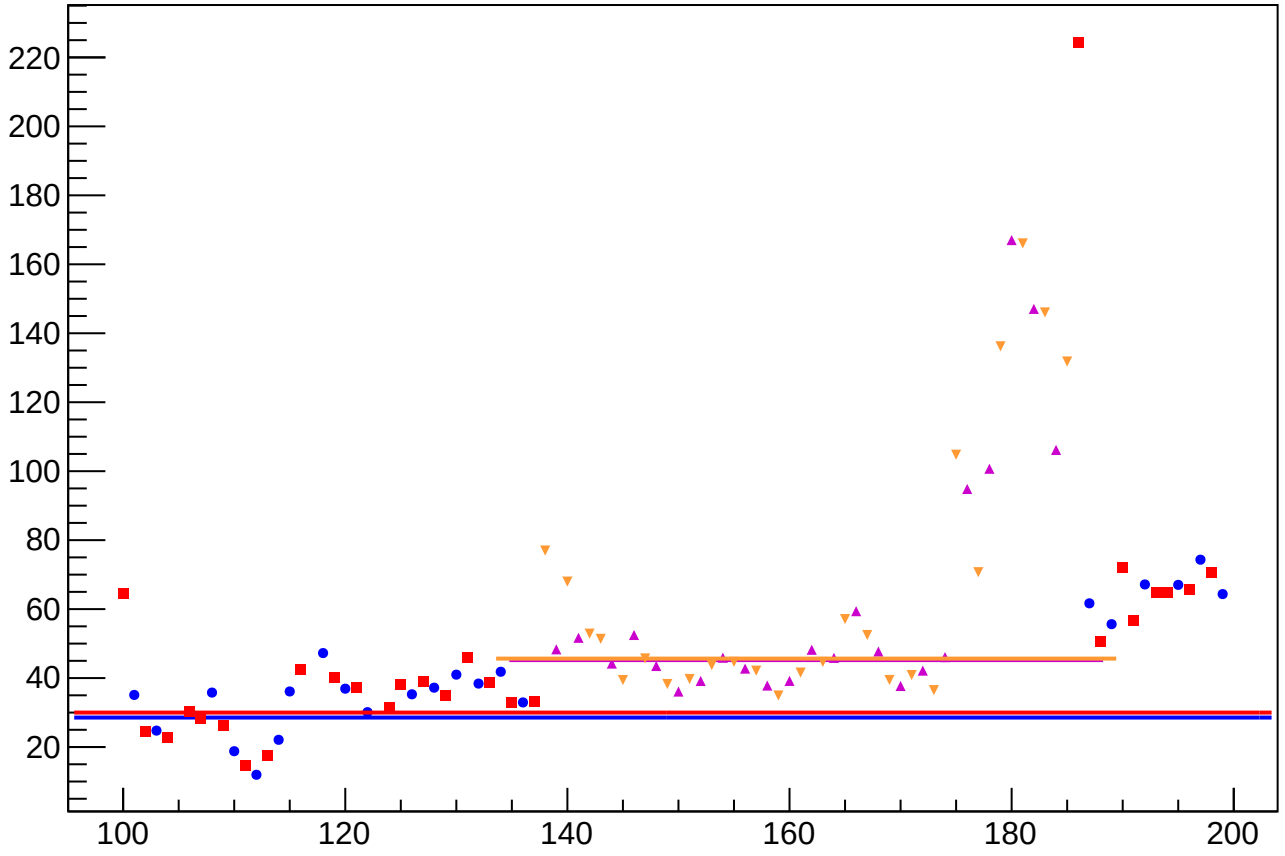
+ sign 0.000+/-0.000 χ^2/NDF: 5876614.6/46

All: 0.000+/-0.000 χ^2/NDF: 12297014.3/96

- 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: 0.020+/-0.010 χ²/NDF: 24.1/21
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: 46.1/46
All: 0.002+/-0.005 χ²/NDF: 96.9/96
- sign -0.003+/-0.007 χ²/NDF: 50.0/49

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 28.551+/-0.007 χ^2/NDF: 5266104.5/21

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

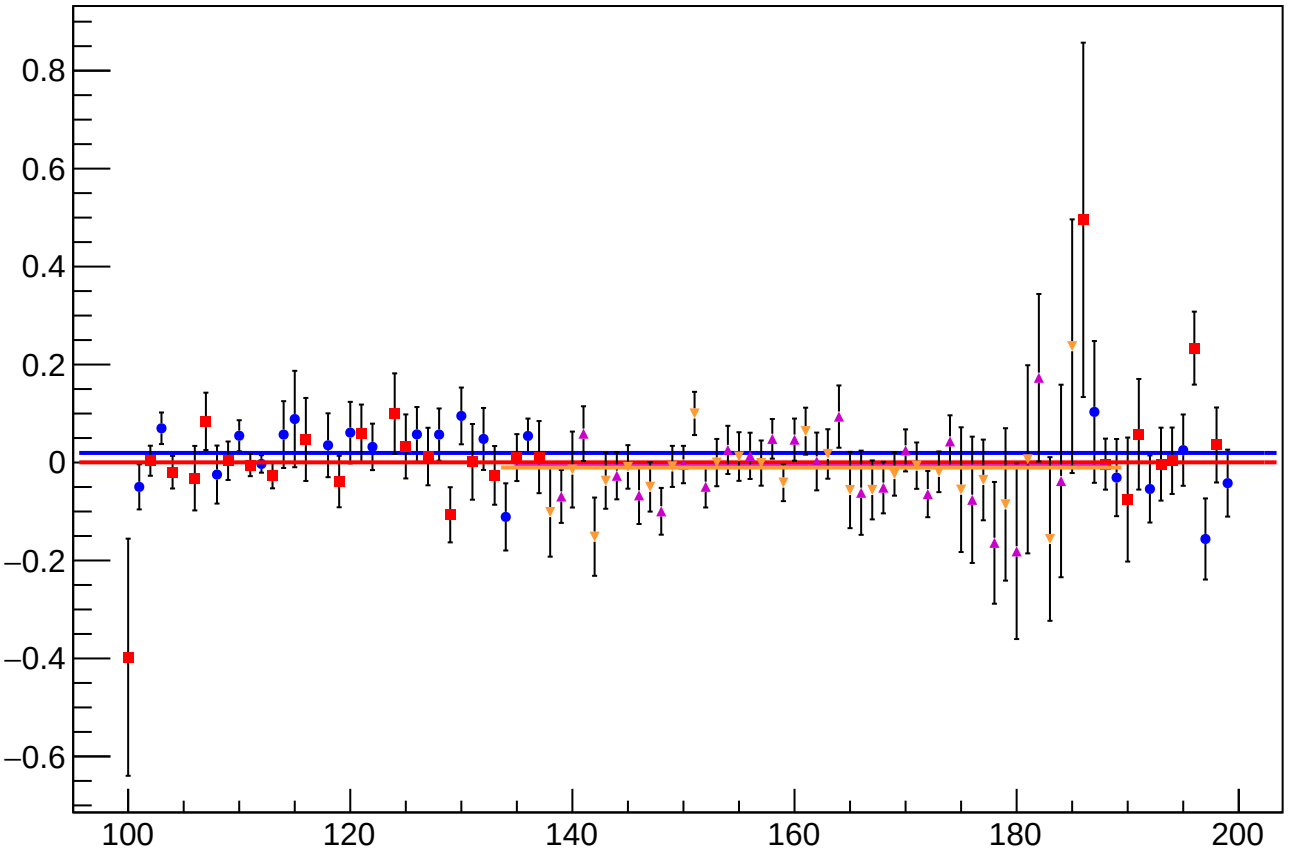
Right Out: 29.997+/-0.007 χ^2/NDF: 5184012.1/26

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.958+/-0.005 χ^2/NDF: 11888776.4/46

All: 36.173+/-0.004 χ^2/NDF: 22131222.2/96

- sign 36.387+/-0.005 χ^2/NDF: 10239091.3/49



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

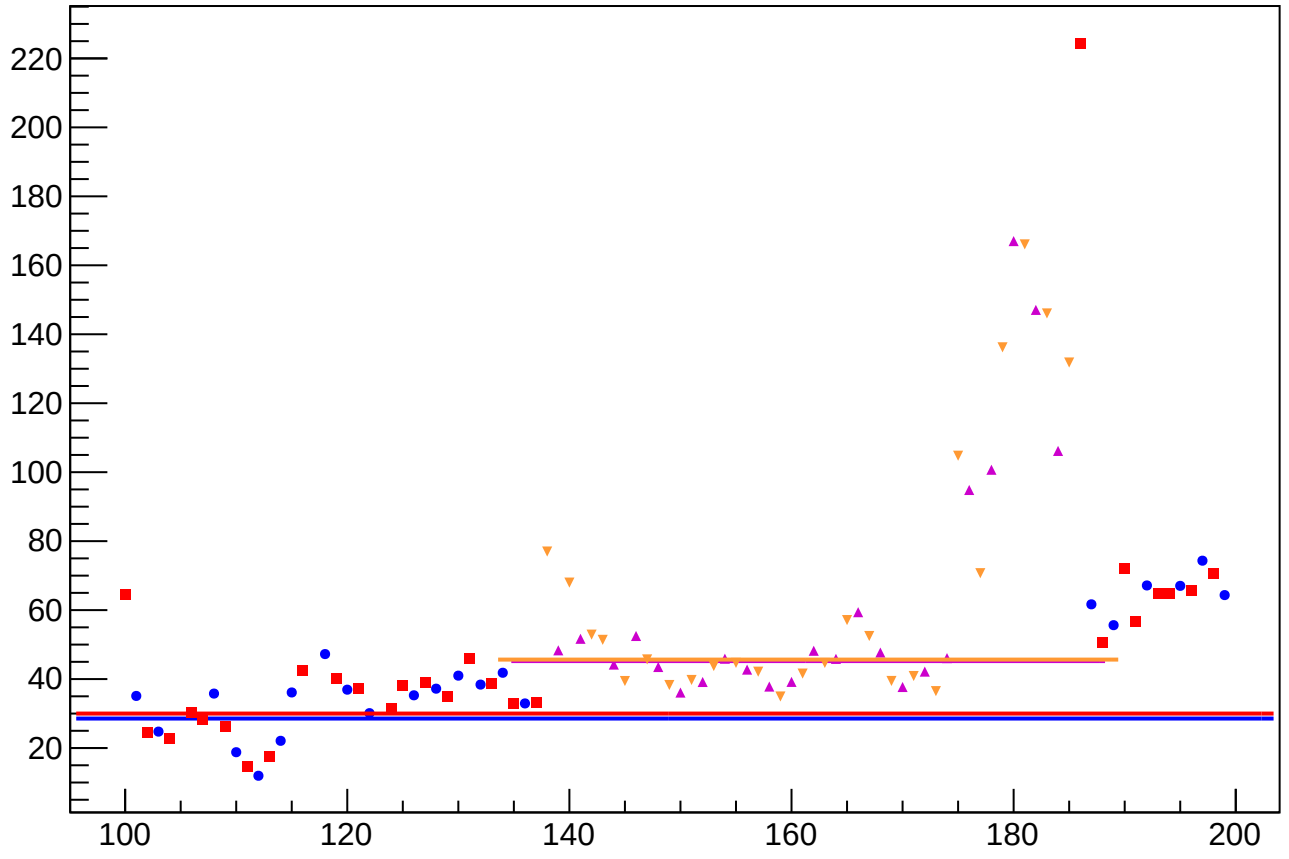
Right Out: 0.000+/-0.010 χ^2/NDF: 26.4/26

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.007+/-0.007 χ^2/NDF: 46.1/46

All: 0.002+/-0.005 χ^2/NDF: 96.9/96

- sign -0.003+/-0.007 χ^2/NDF: 50.0/49



Right In: 28.551+/-0.007 χ^2/NDF: 5266104.5/21

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

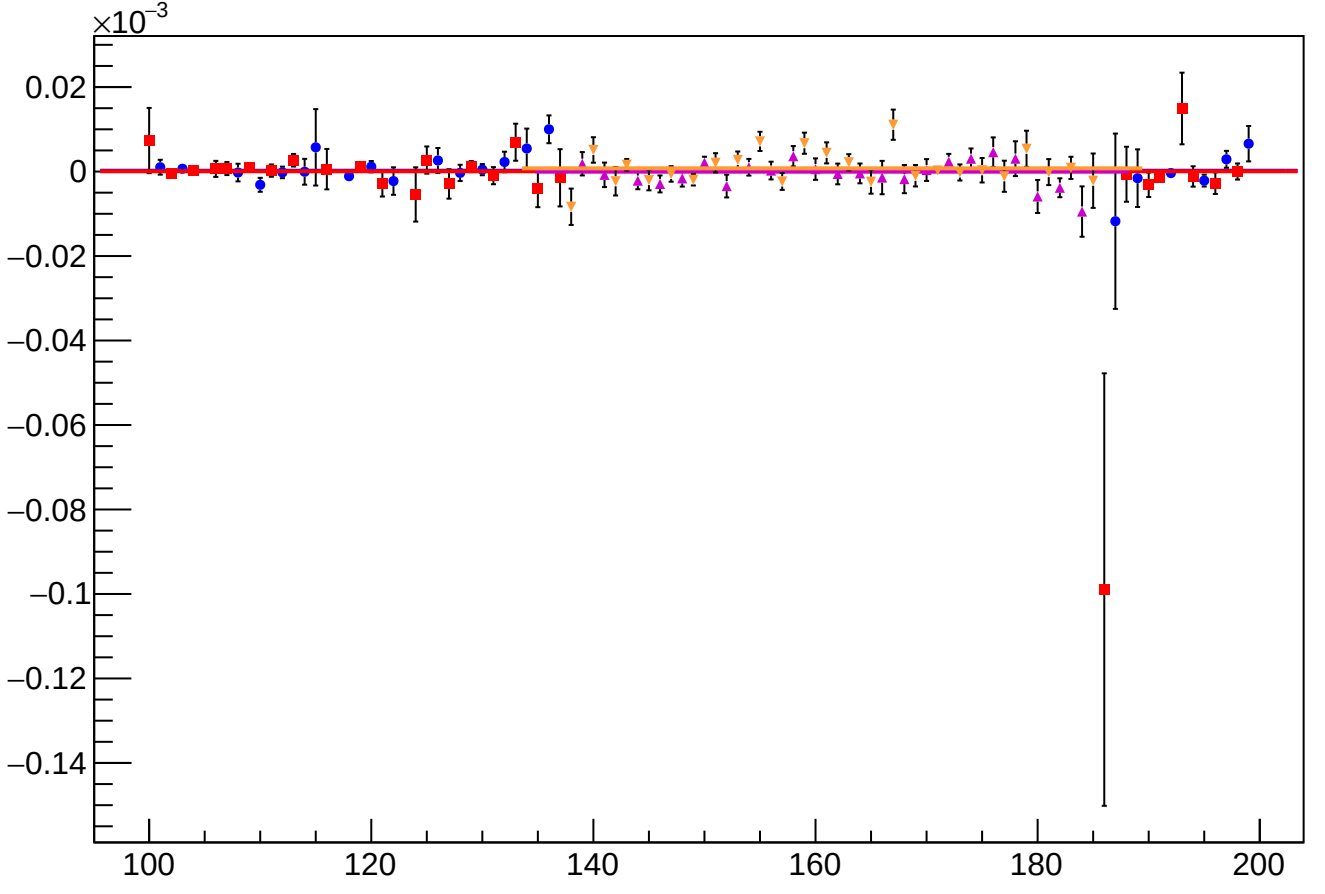
Right Out: 29.997+/-0.007 χ^2/NDF: 5184012.1/26

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.958+/-0.005 χ^2/NDF: 11888776.4/46

All: 36.173+/-0.004 χ^2/NDF: 22131222.2/96

- sign 36.387+/-0.005 χ^2/NDF: 10239091.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/26

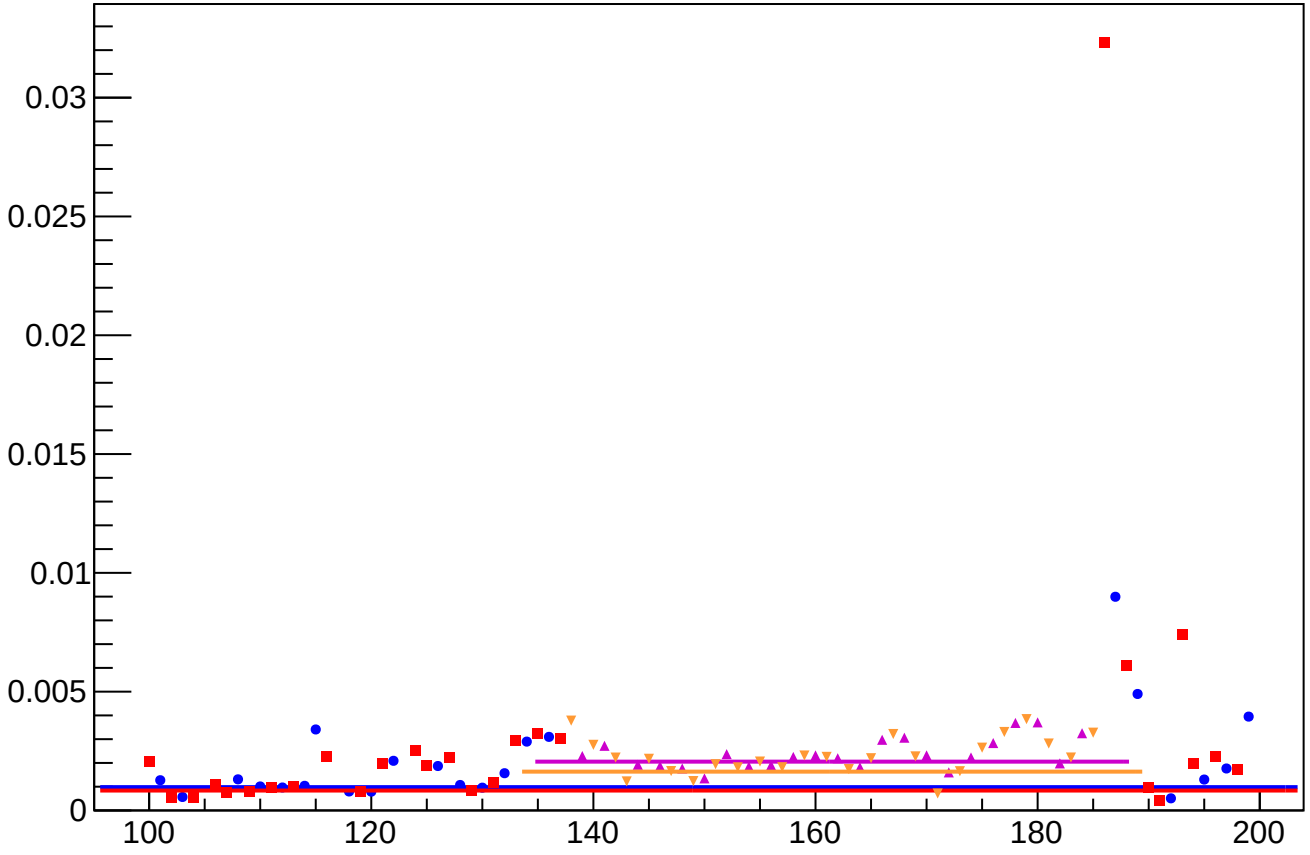
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.2/46

All: 0.000+/-0.000 χ^2/NDF: 126.3/96

- 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: 5432049.6/21

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

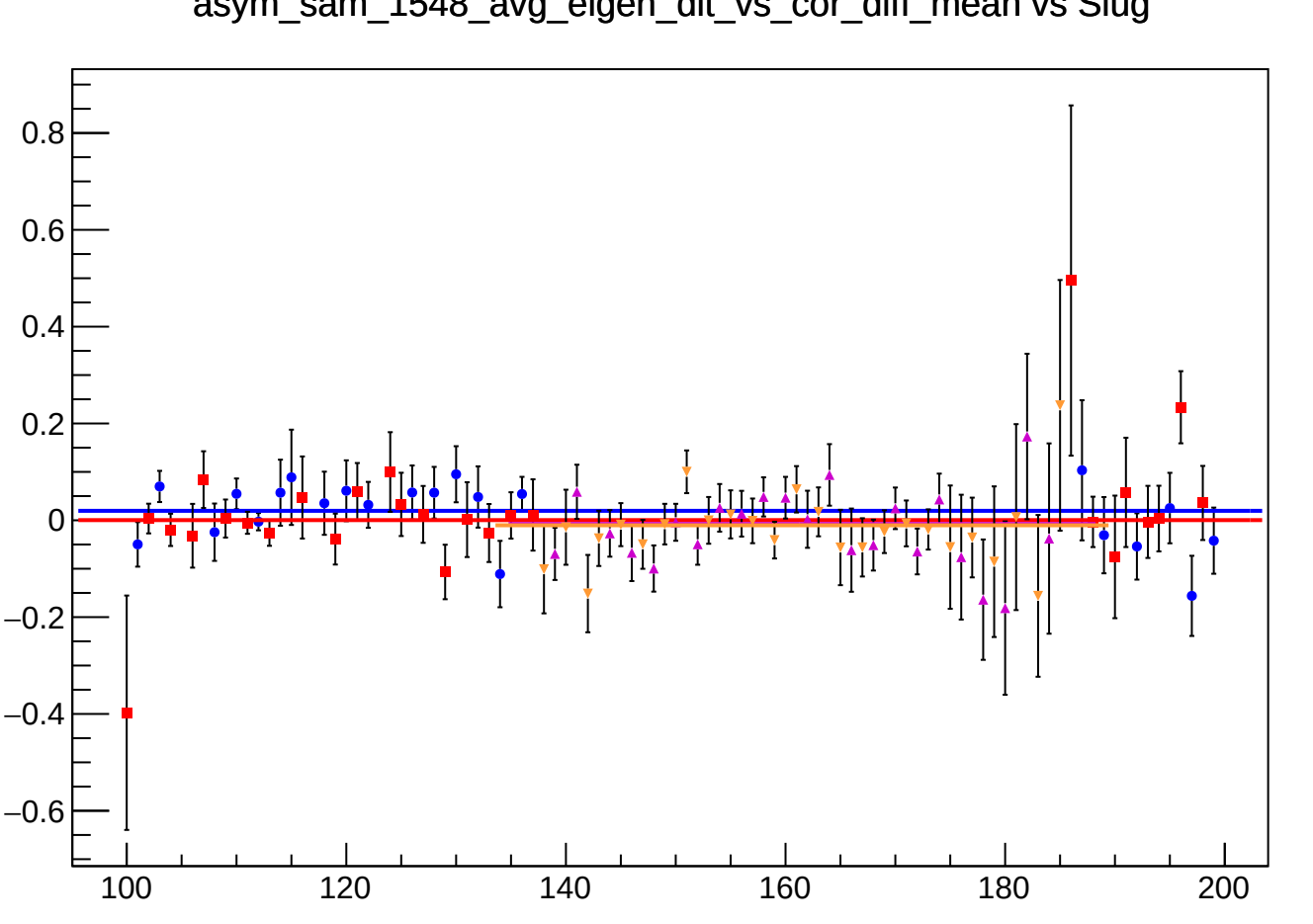
Right Out: 0.001+/-0.000 χ^2/NDF: 8634854.7/26

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 14801717.3/46

All: 0.001+/-0.000 χ^2/NDF: 34312287.2/96

- sign 0.001+/-0.000 χ^2/NDF: 19372905.9/49



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

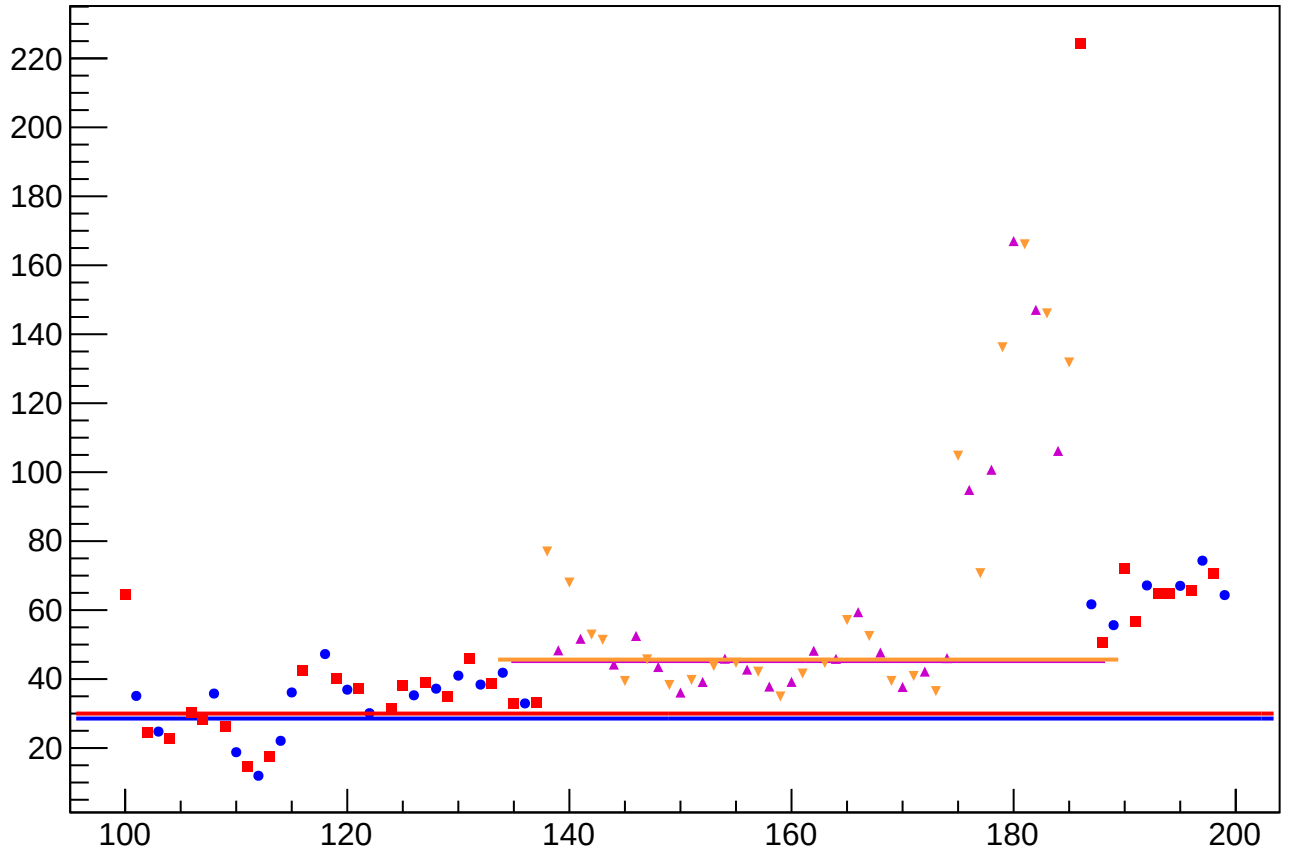
Right Out: 0.000+/-0.010 χ^2/NDF: 26.4/26

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.007+/-0.007 χ^2/NDF: 46.1/46

All: 0.002+/-0.005 χ^2/NDF: 96.9/96

- sign -0.003+/-0.007 χ^2/NDF: 50.0/49



Right In: 28.550+/-0.007 χ^2/NDF: 5266330.6/21

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

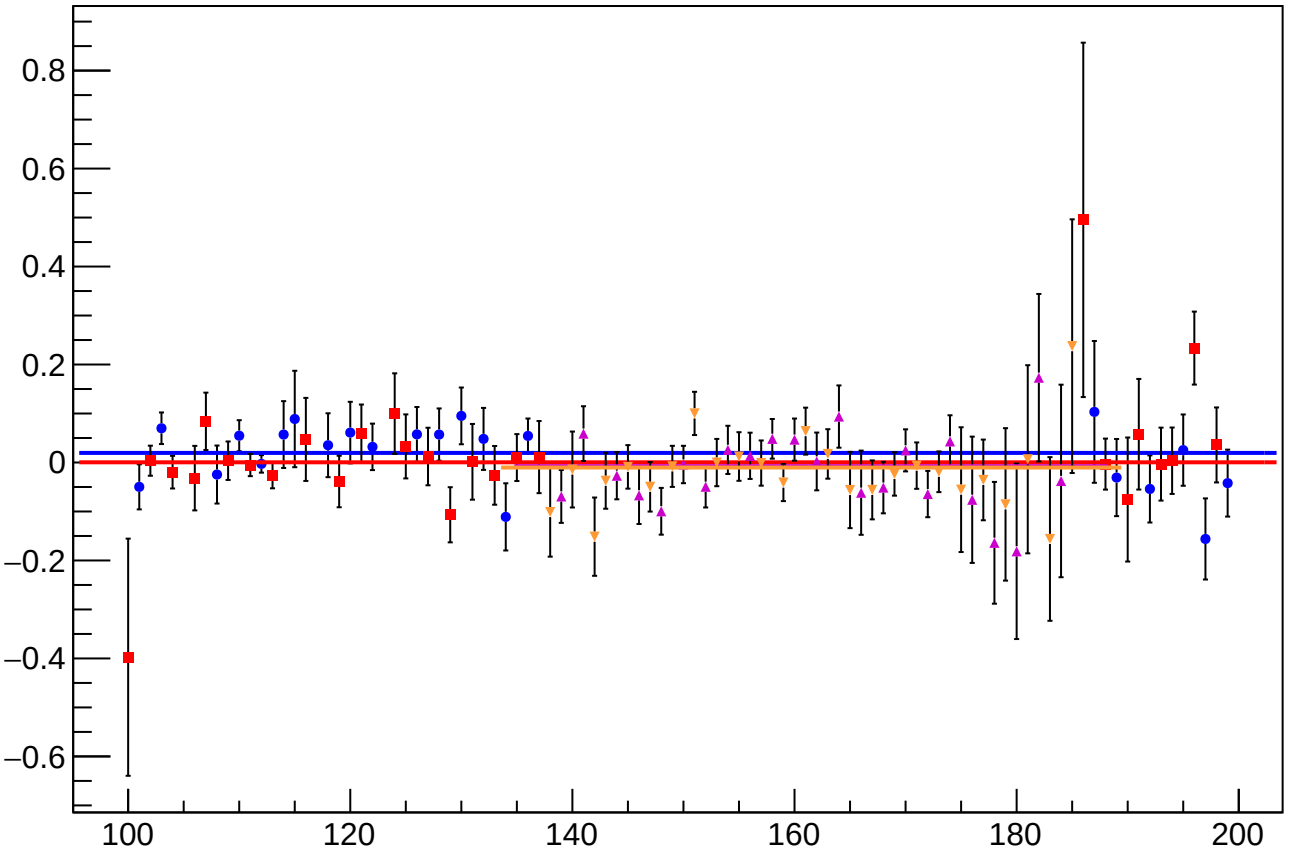
Right Out: 29.997+/-0.007 χ^2/NDF: 5184211.4/26

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 35.957+/-0.005 χ^2/NDF: 11889239.9/46

All: 36.173+/-0.004 χ^2/NDF: 22132034.6/96

- sign 36.387+/-0.005 χ^2/NDF: 10239437.7/49



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

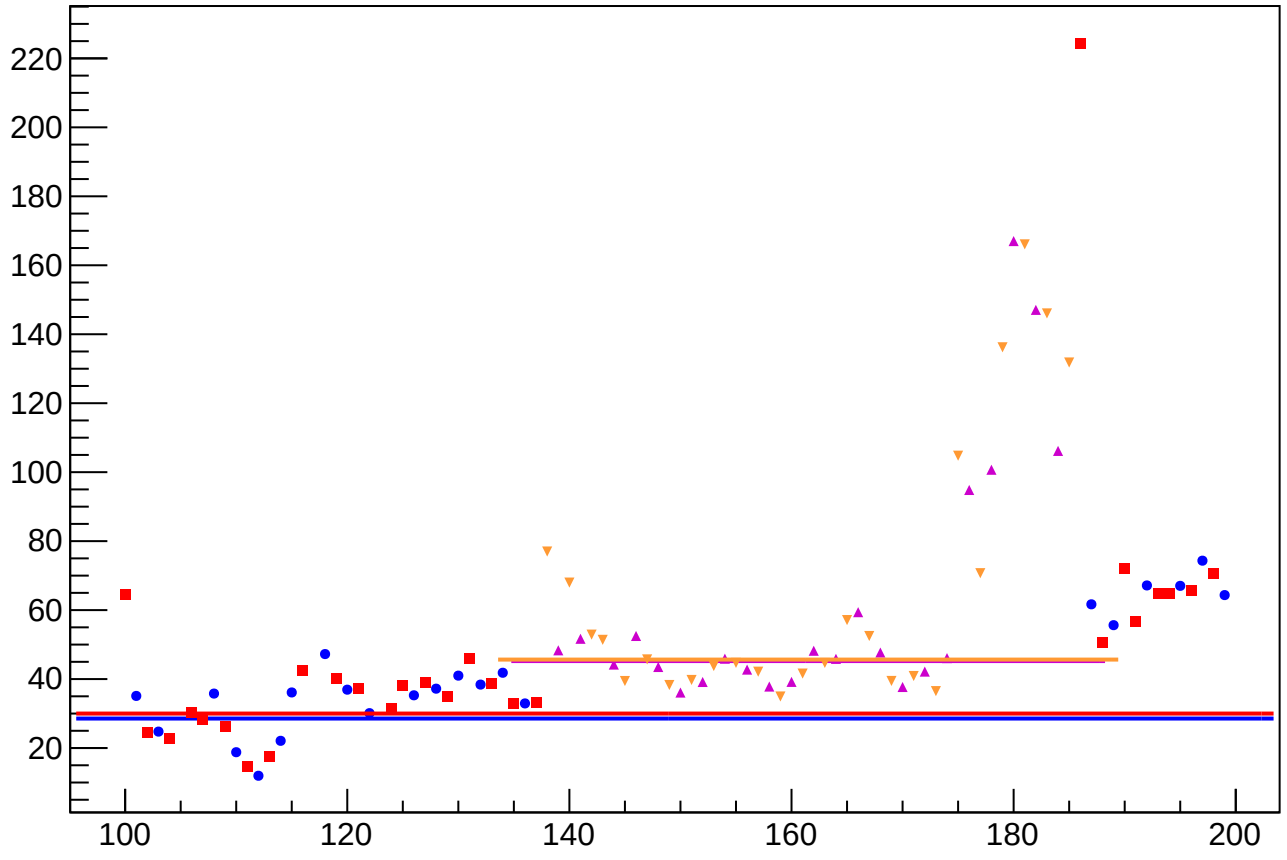
Right Out: 0.000+/-0.010 χ^2/NDF: 26.4/26

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.007+/-0.007 χ^2/NDF: 46.1/46

All: 0.002+/-0.005 χ^2/NDF: 96.9/96

- sign -0.003+/-0.007 χ^2/NDF: 50.0/49



Right In: 28.550+/-0.007 χ^2/NDF: 5266330.6/21

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

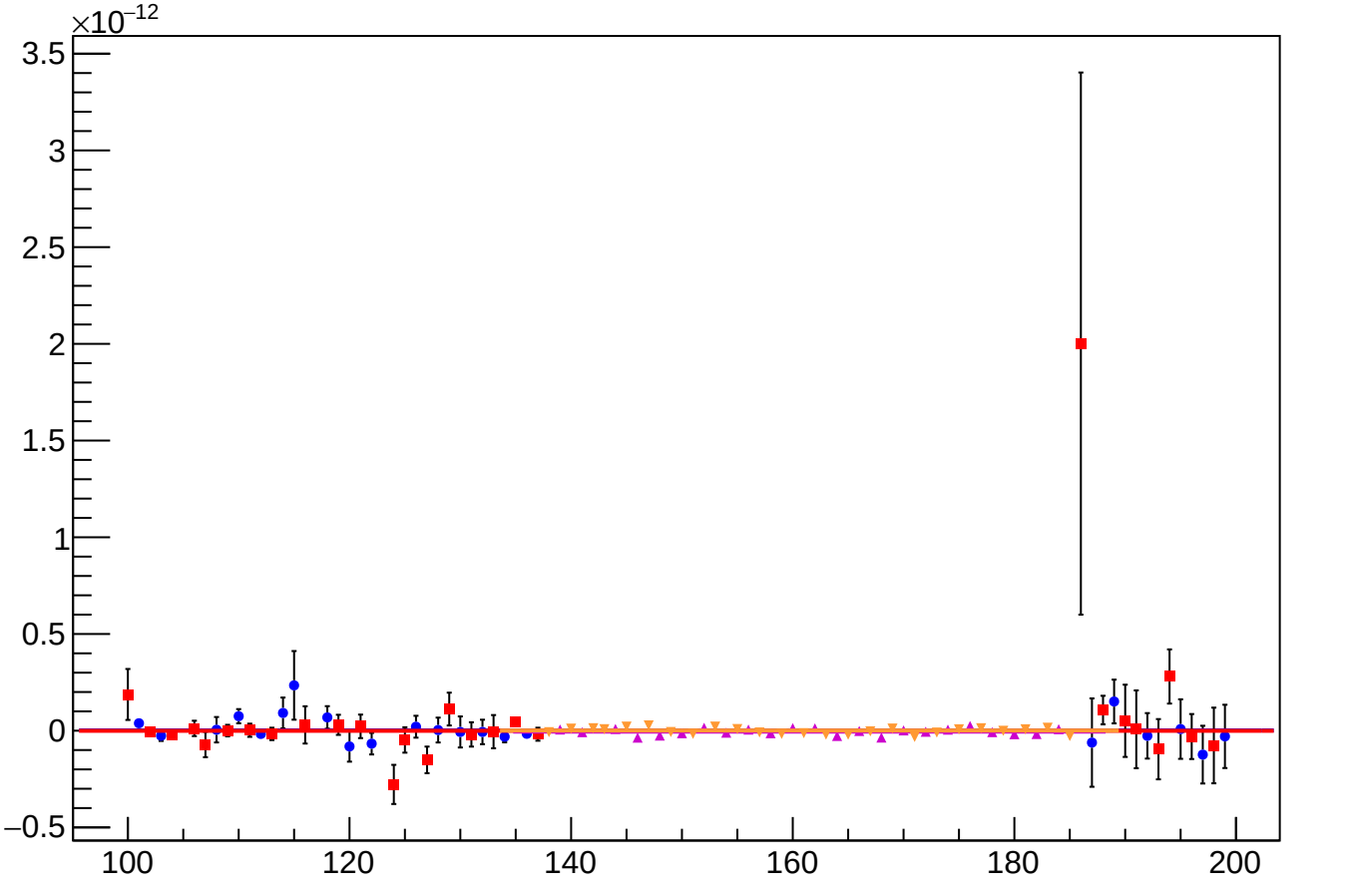
Right Out: 29.997+/-0.007 χ^2/NDF: 5184211.4/26

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 35.957+/-0.005 χ^2/NDF: 11889239.9/46

All: 36.173+/-0.004 χ^2/NDF: 22132034.6/96

- sign 36.387+/-0.005 χ^2/NDF: 10239437.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

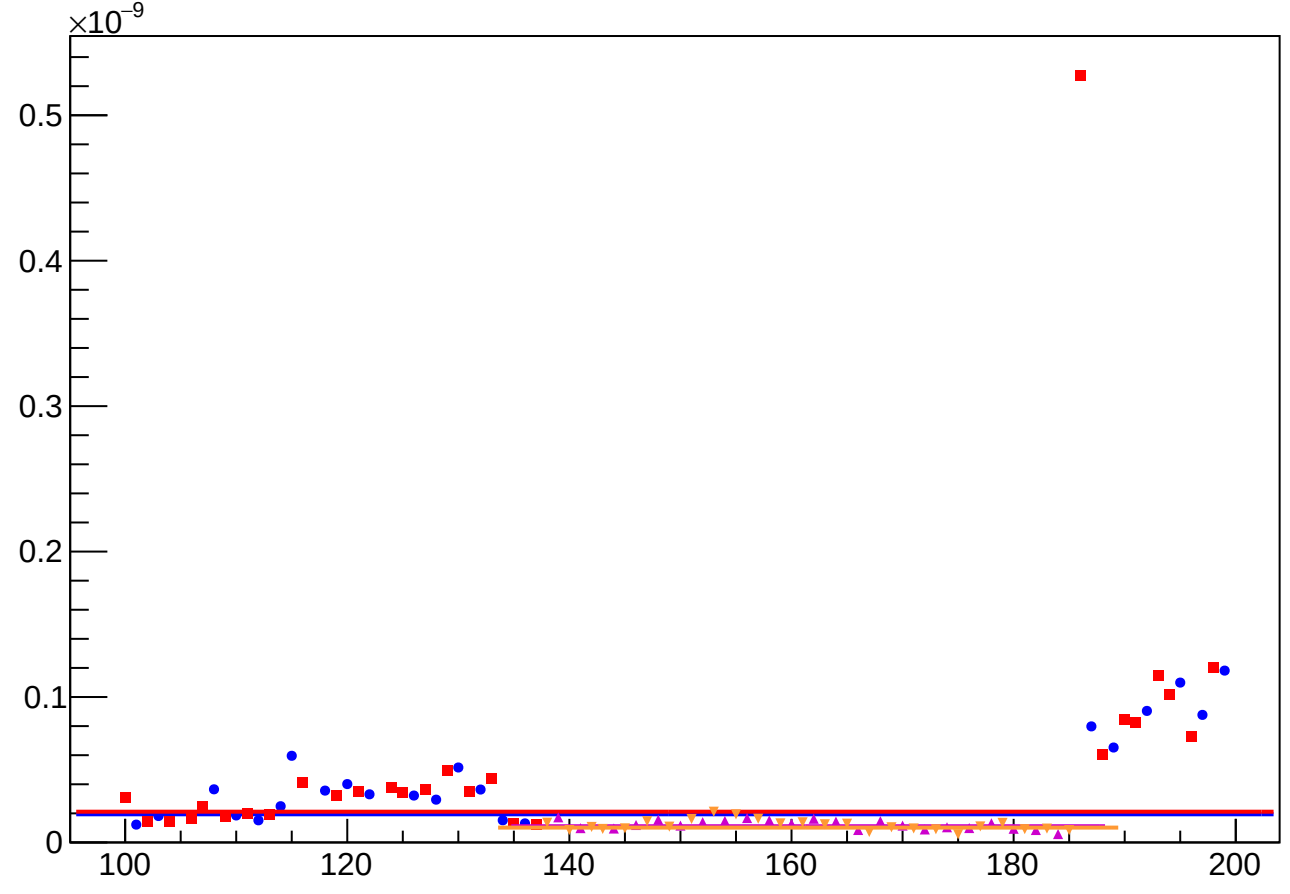
Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/26

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.8/46

All: -0.000+/-0.000 χ^2/NDF: 104.6/96

- sign -0.000+/-0.000 χ^2/NDF: 56.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 4974908.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5268356.3/26

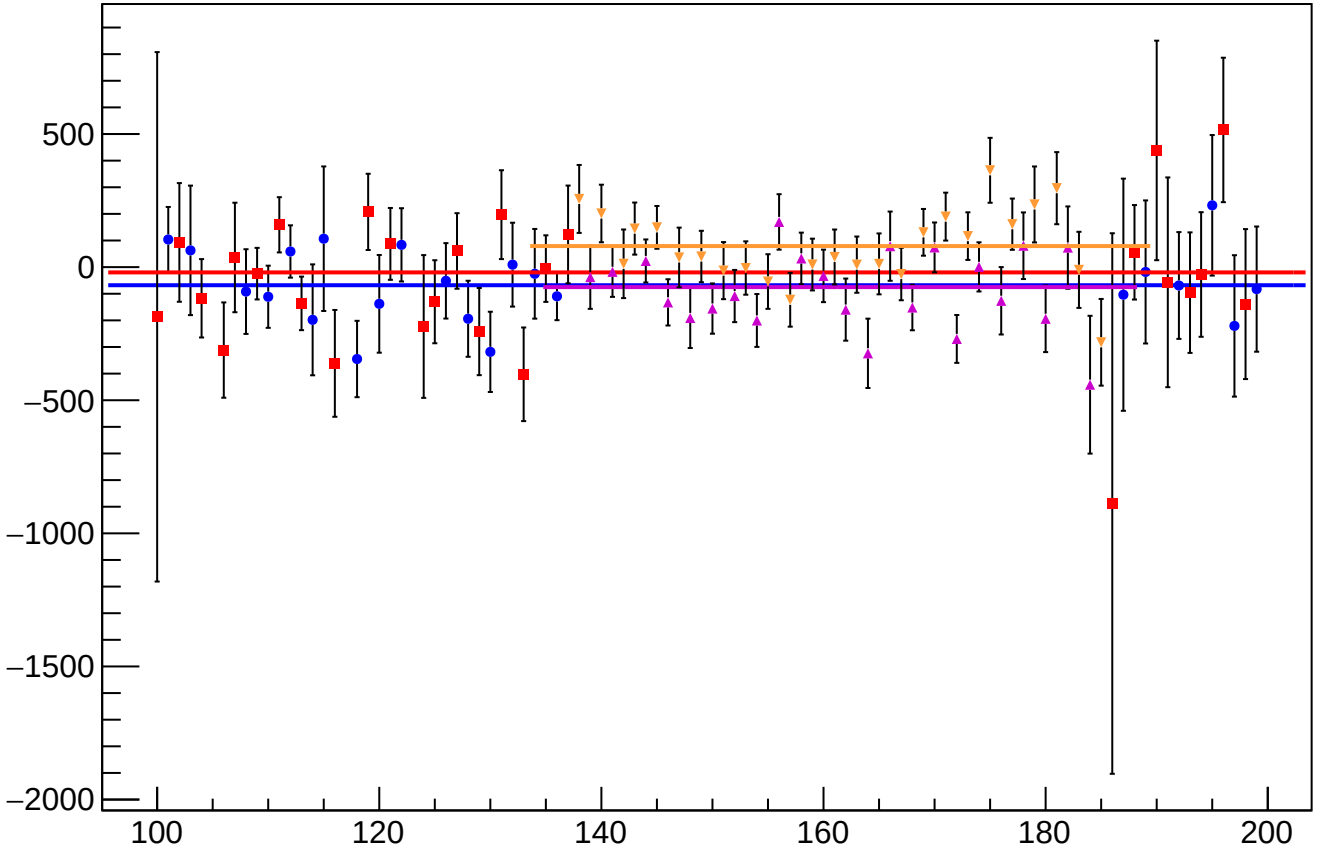
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9272780.8/46

All: 0.000+/-0.000 χ^2/NDF: 18428583.0/96

- sign 0.000+/-0.000 χ^2/NDF: 9003128.9/49

reg_asym_sam_3748_avg_mean vs Slug



Right In: -67.986+/-33.310 χ^2/NDF: 15.7/21

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -19.846+/-32.244 χ^2/NDF: 30.4/26

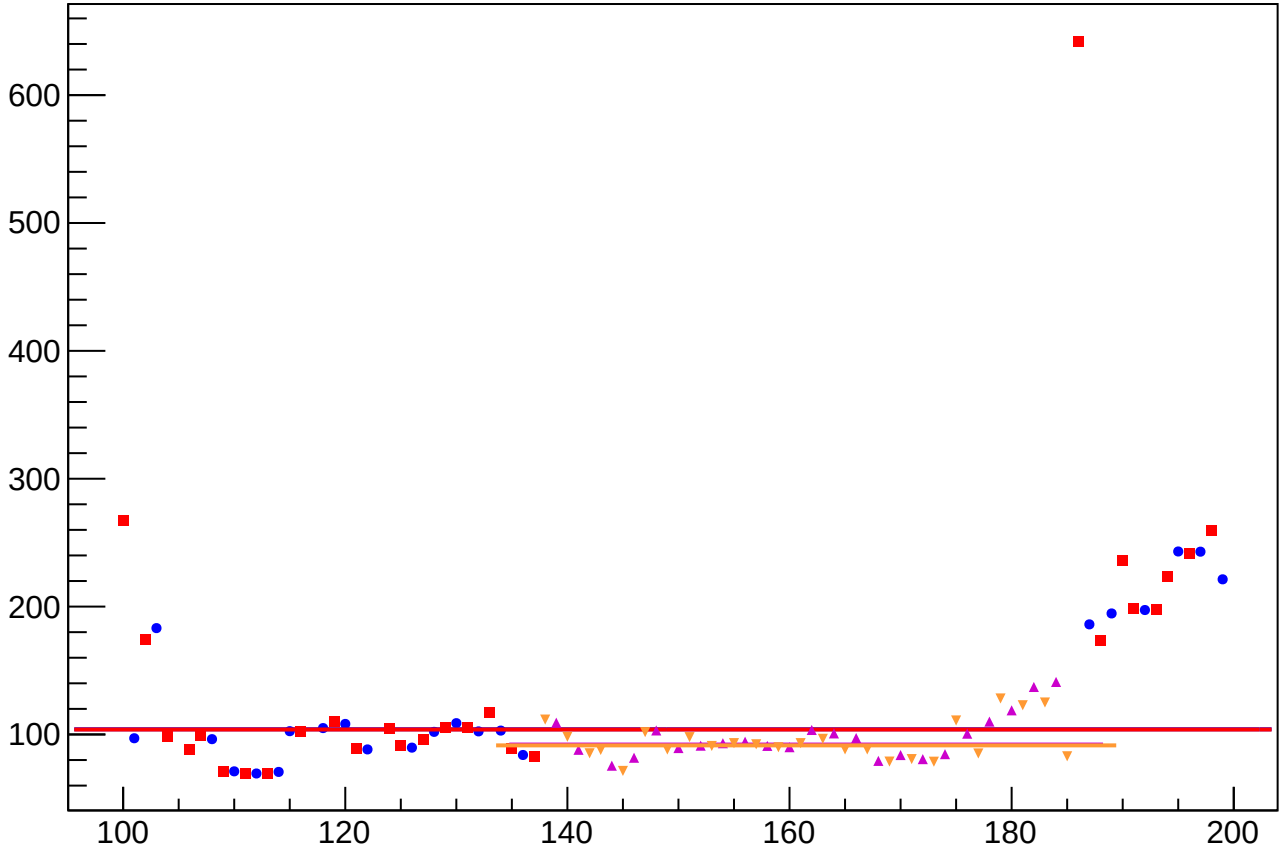
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 36.974+/-17.826 χ^2/NDF: 61.6/46

All: -9.687+/-12.694 χ^2/NDF: 140.6/96

- sign -57.691+/-18.081 χ^2/NDF: 65.1/49

reg_asym_sam_3748_avg_rms vs Slug



Right In: 104.055+/-0.024 χ^2/NDF: 3161799.1/21

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

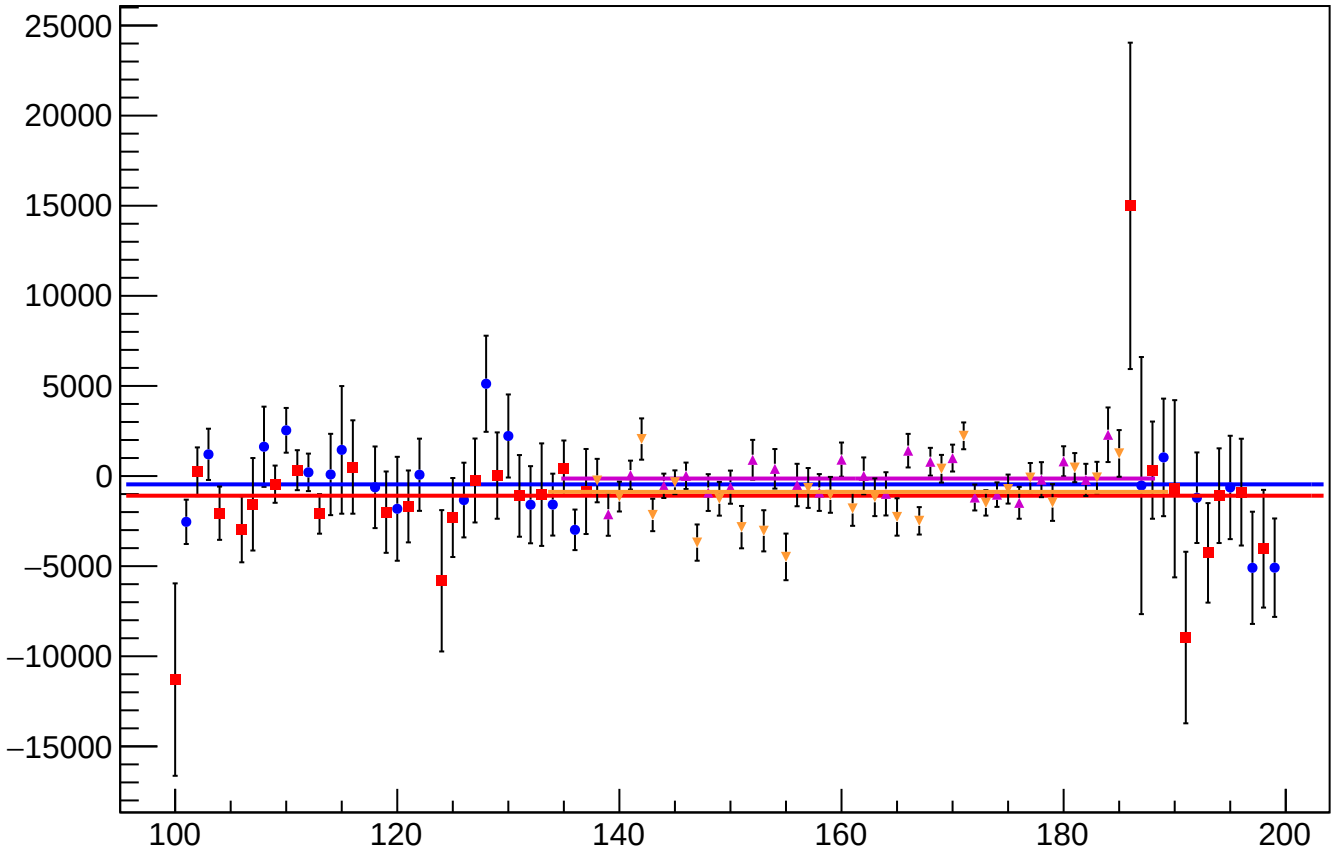
Right Out: 103.869+/-0.023 χ^2/NDF: 4258478.0/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 95.068+/-0.013 χ^2/NDF: 4116999.1/46

All: 95.429+/-0.009 χ^2/NDF: 9259393.2/96

- sign 95.801+/-0.013 χ^2/NDF: 5140728.5/49



Right In: -461.502+/-398.056 χ^2/NDF: 29.0/21

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1090.596+/-379.508 χ^2/NDF: 21.0/26

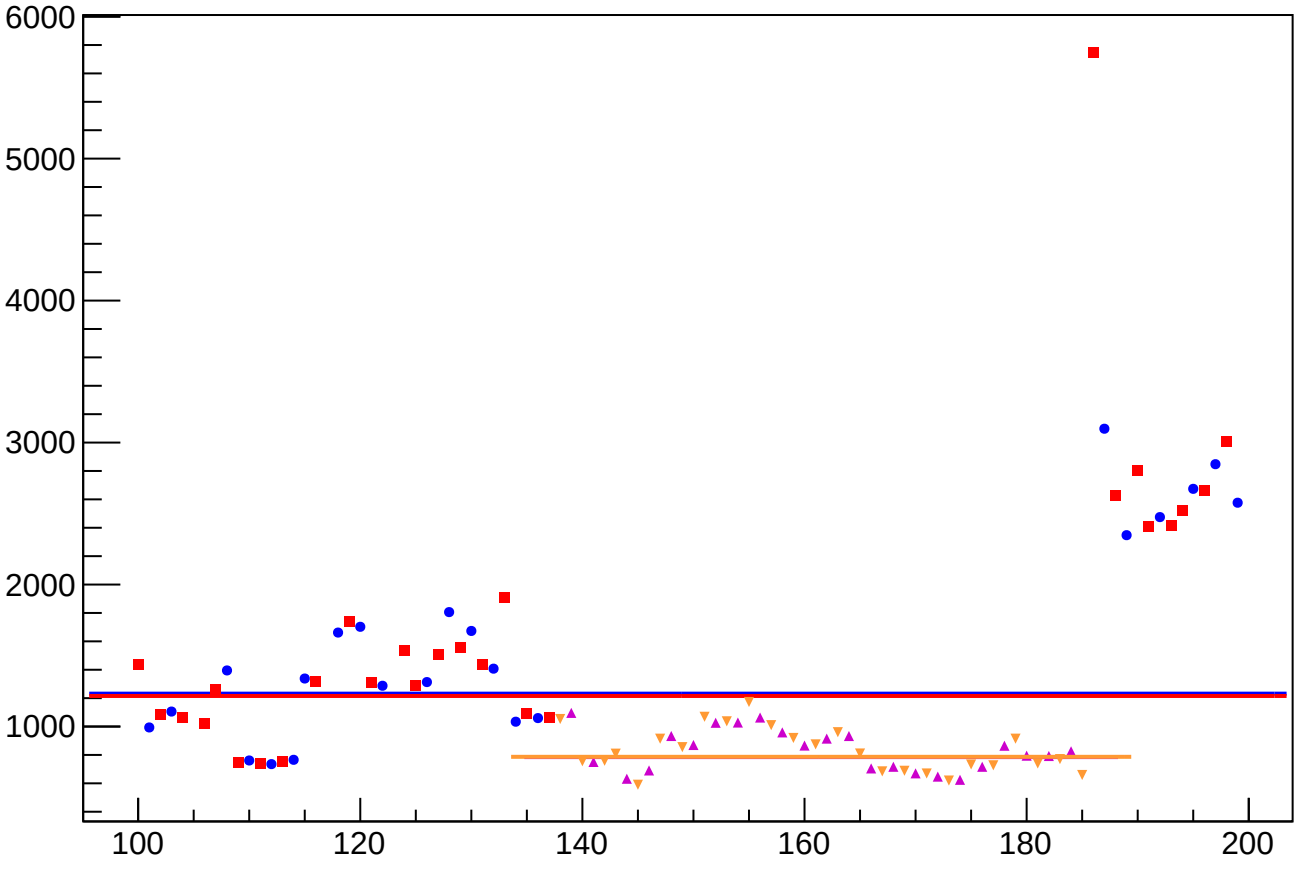
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -806.245+/-165.661 χ^2/NDF: 97.7/46

All: -567.692+/-117.762 χ^2/NDF: 152.1/96

- sign -324.005+/-167.434 χ^2/NDF: 50.3/49

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1231.612+/-0.281 χ^2/NDF: 3705252.6/21

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1215.331+/-0.268 χ^2/NDF: 4886017.1/26

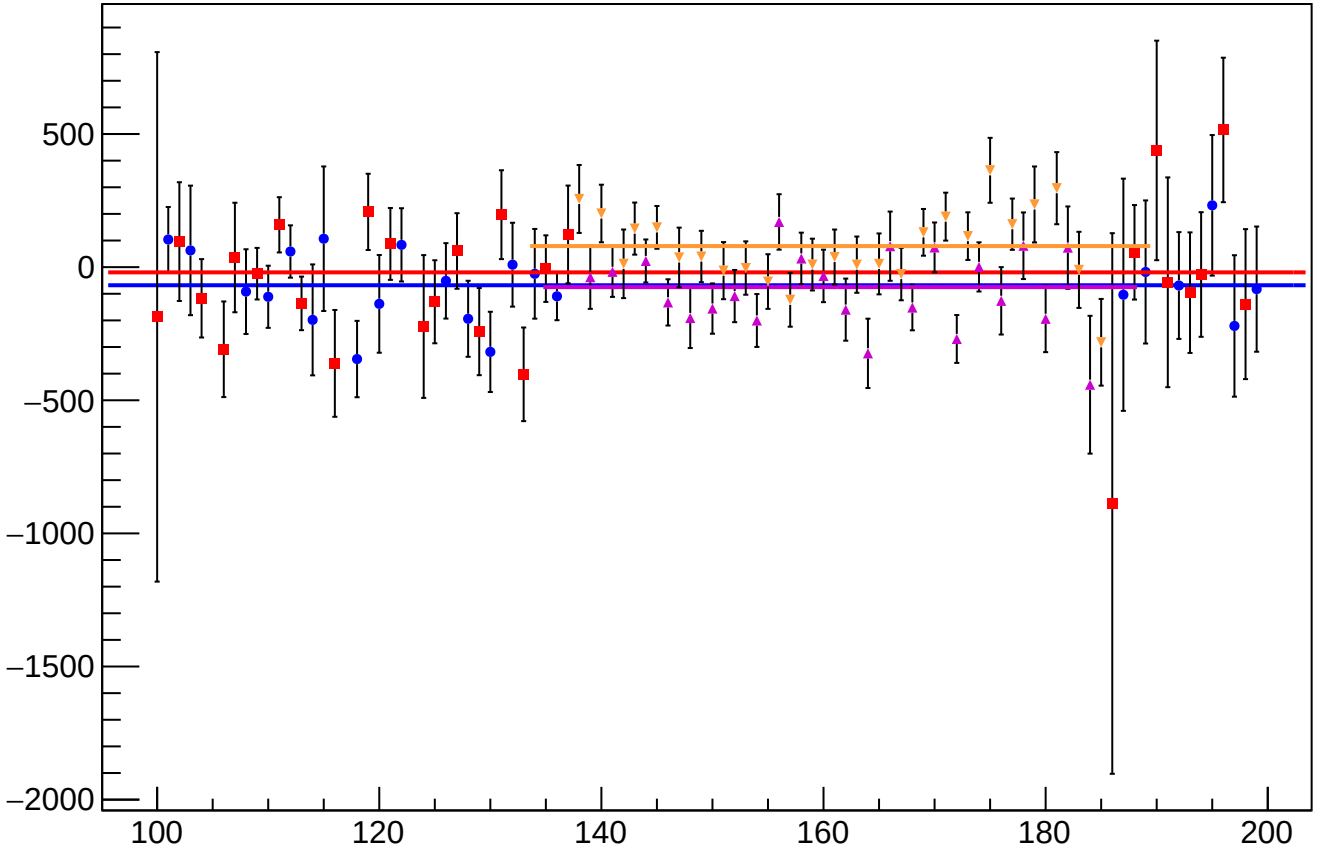
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 863.807+/-0.117 χ^2/NDF: 6981410.5/46

All: 866.192+/-0.083 χ^2/NDF: 15004627.2/96

- sign 868.628+/-0.118 χ^2/NDF: 8022378.9/49

cor_asym_sam_3748_avg_mean vs Slug



Right In: -67.997+/-33.310 χ^2/NDF: 15.7/21

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -19.620+/-32.248 χ^2/NDF: 30.4/26

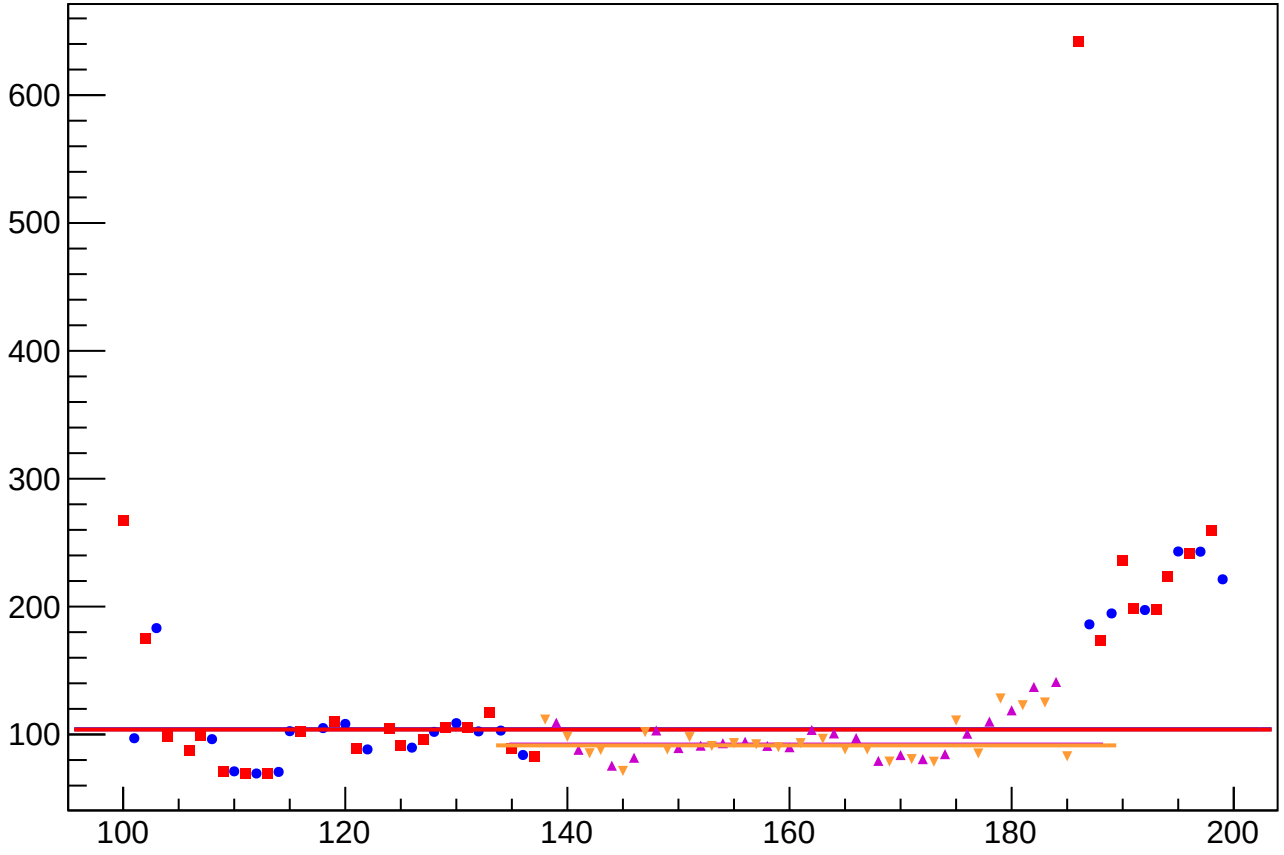
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 36.978+/-17.826 χ^2/NDF: 61.6/46

All: -9.650+/-12.694 χ^2/NDF: 140.5/96

- sign -57.623+/-18.081 χ^2/NDF: 65.0/49

cor_asym_sam_3748_avg_rms vs Slug



Right In: 104.055+/-0.024 χ^2/NDF: 3161802.2/21

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

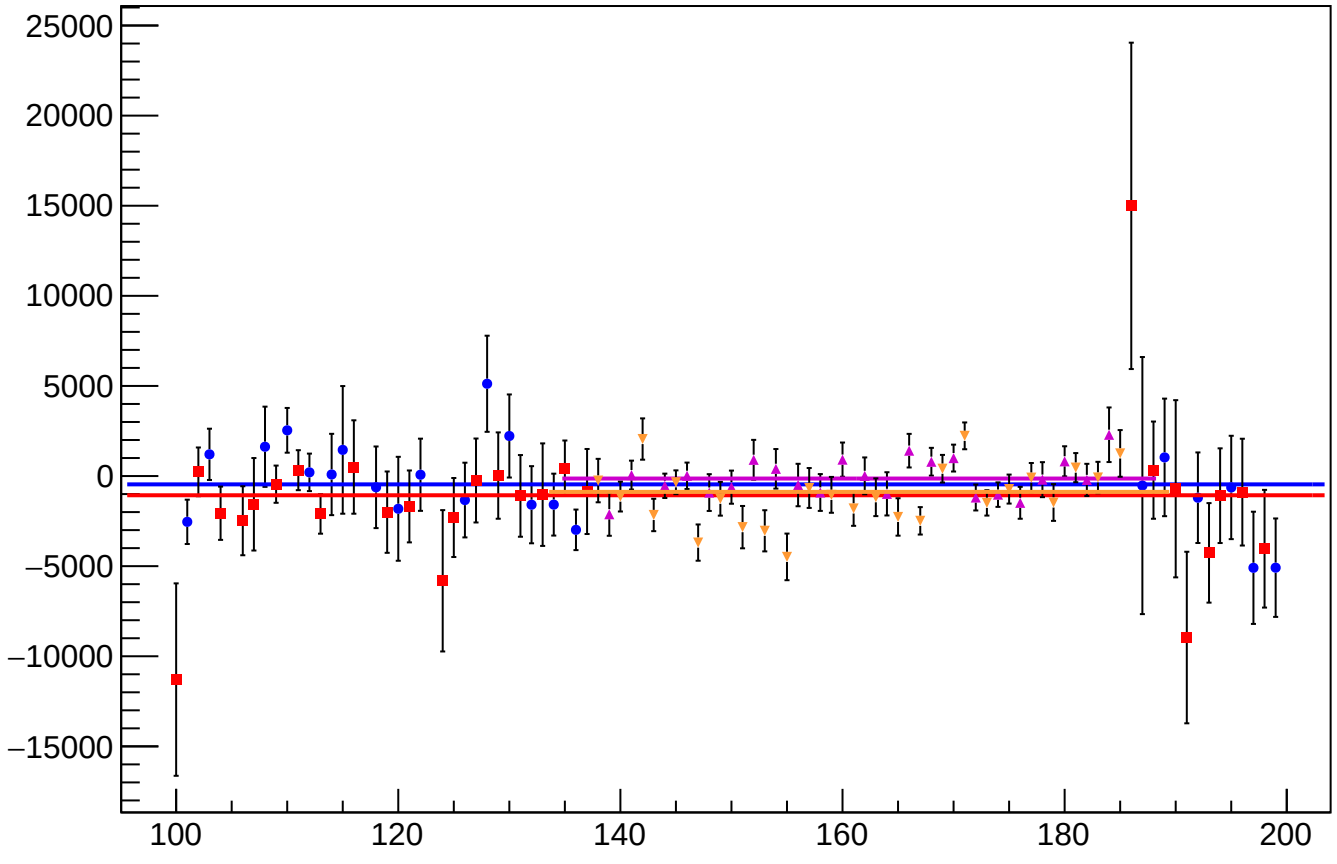
Right Out: 103.830+/-0.023 χ^2/NDF: 4261210.5/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 95.068+/-0.013 χ^2/NDF: 4117002.2/46

All: 95.423+/-0.009 χ^2/NDF: 9260833.4/96

- sign 95.788+/-0.013 χ^2/NDF: 5142223.5/49



Right In: -461.524+/-398.059 χ^2/NDF: 29.0/21

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1066.143+/-380.194 χ^2/NDF: 20.5/26

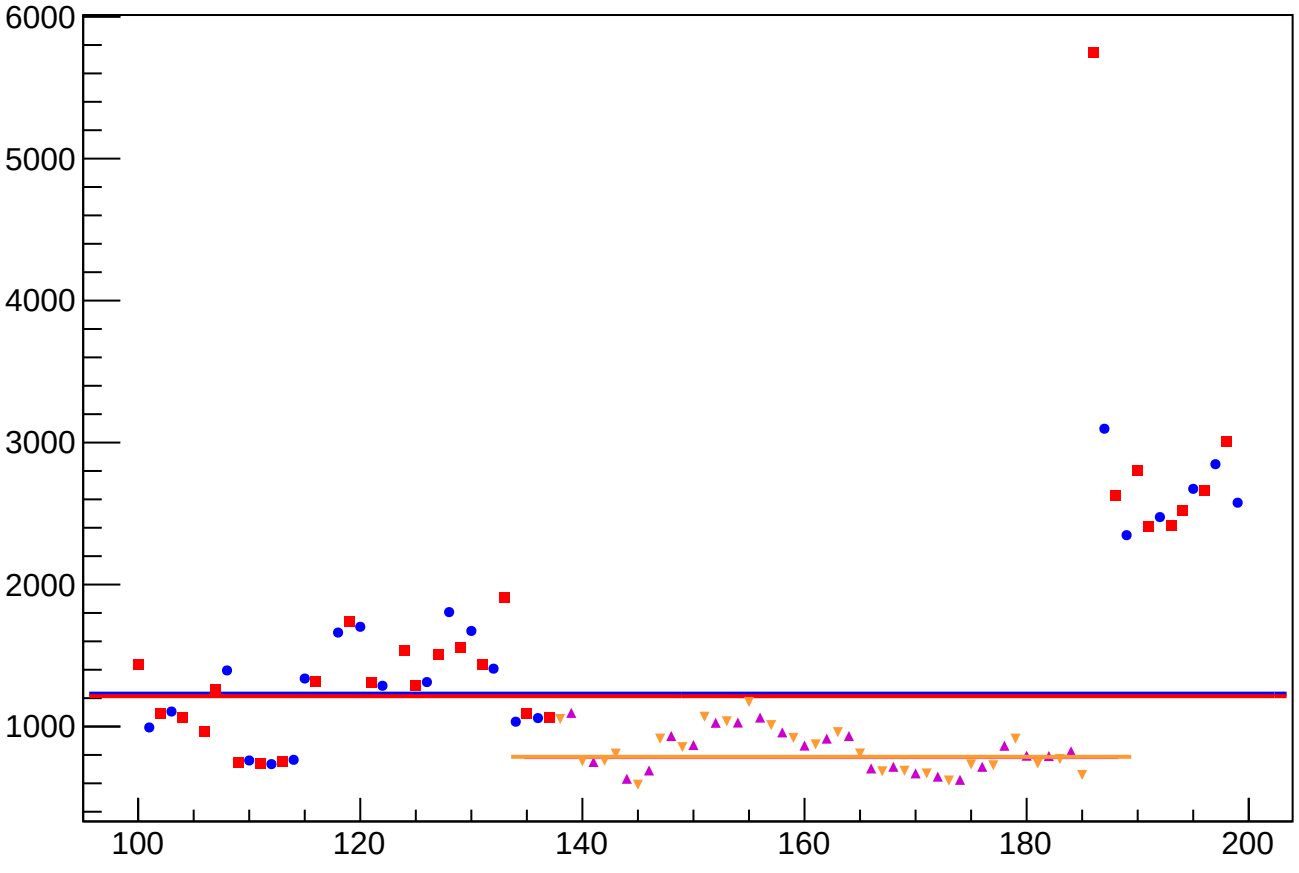
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

\+ sign -806.242+/-165.661 χ^2/NDF: 97.7/46

All: -565.162+/-117.782 χ^2/NDF: 151.5/96

\- sign -318.722+/-167.493 χ^2/NDF: 49.5/49

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1231.622+/-0.281 χ^2/NDF: 3705224.7/21

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1213.833+/-0.269 χ^2/NDF: 4897626.0/26

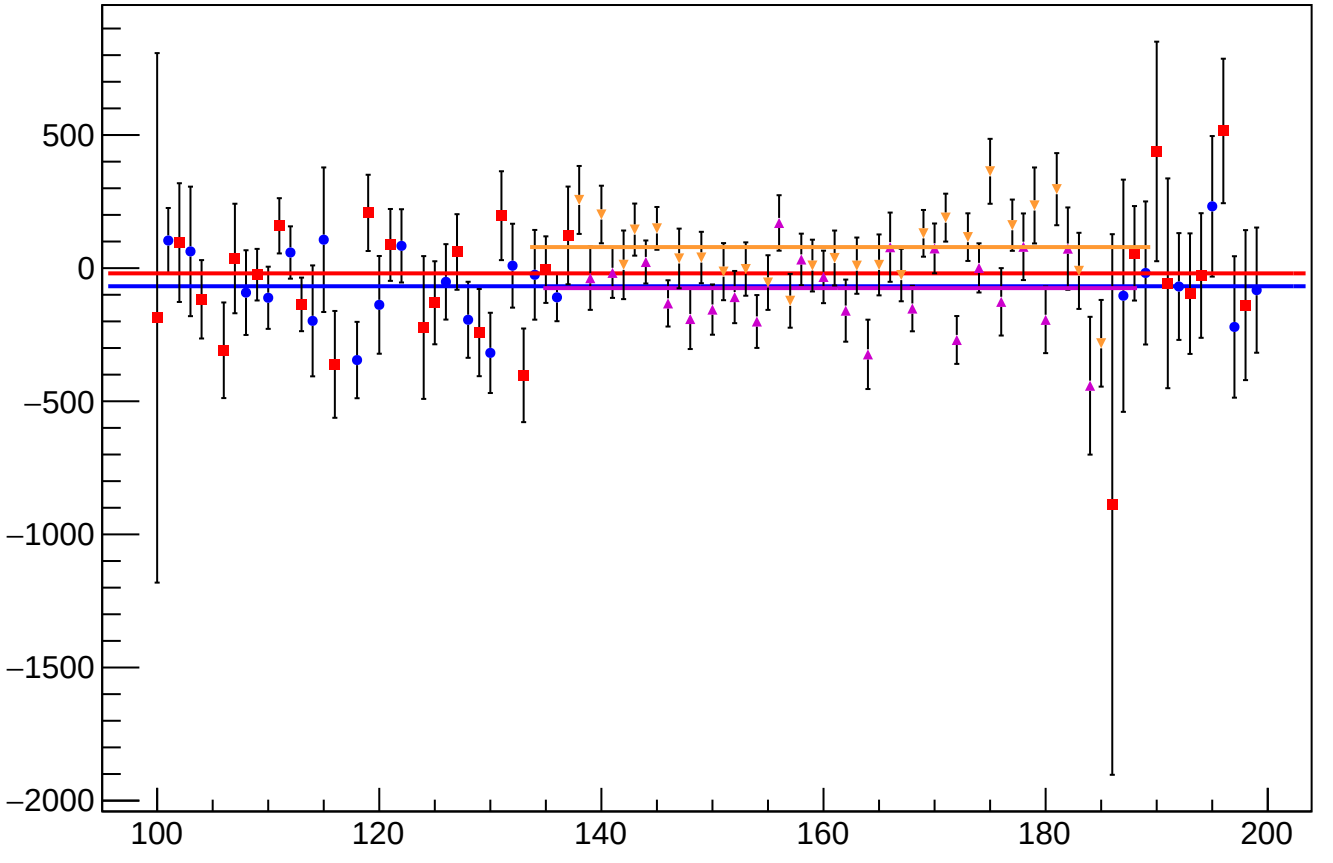
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 863.808+/-0.117 χ^2/NDF: 6981451.8/46

All: 865.927+/-0.083 χ^2/NDF: 14995721.0/96

- sign 868.094+/-0.118 χ^2/NDF: 8013607.2/49

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -67.997+/-33.310 χ^2/NDF: 15.7/21

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -19.620+/-32.248 χ^2/NDF: 30.4/26

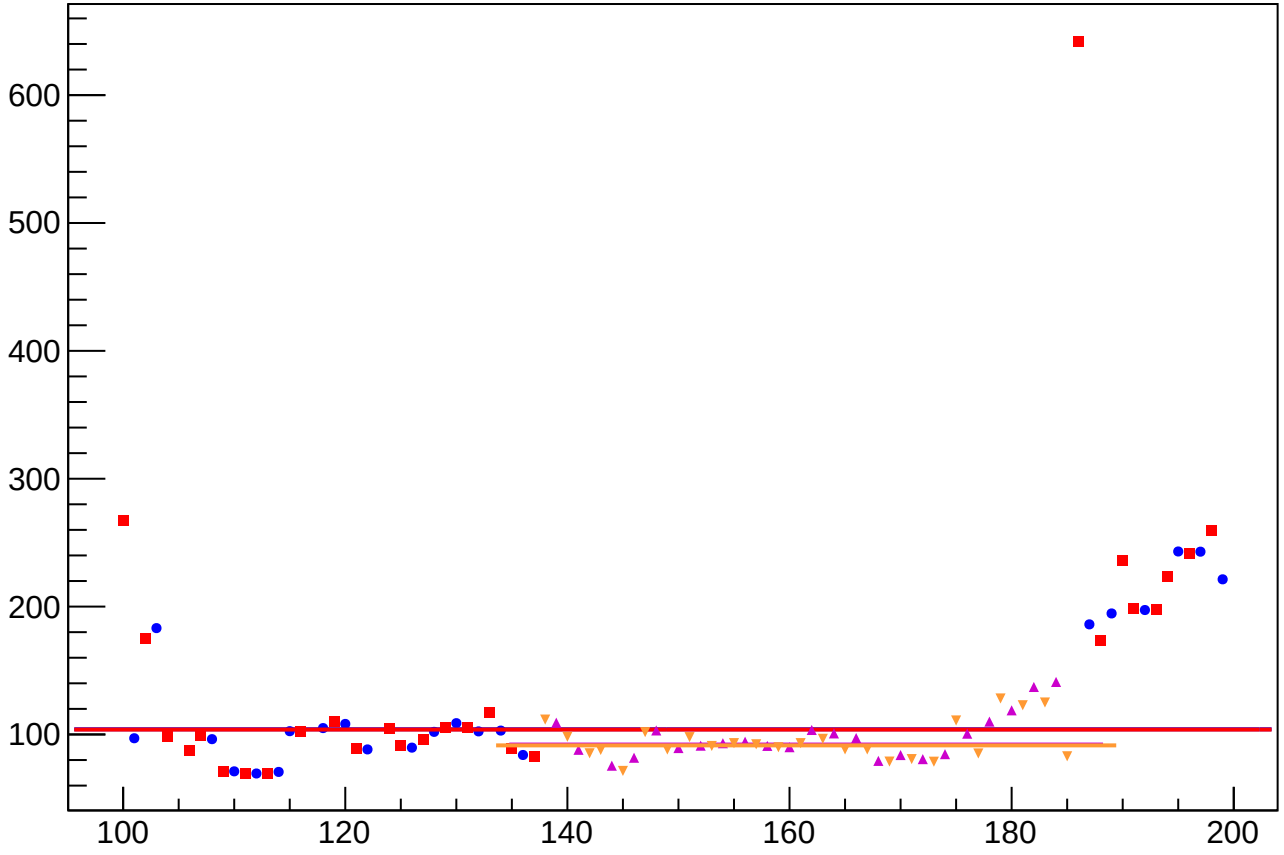
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 36.978+/-17.826 χ^2/NDF: 61.6/46

All: -9.650+/-12.694 χ^2/NDF: 140.5/96

- sign -57.623+/-18.081 χ^2/NDF: 65.0/49

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 104.055+/-0.024 χ^2/NDF: 3161802.2/21

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

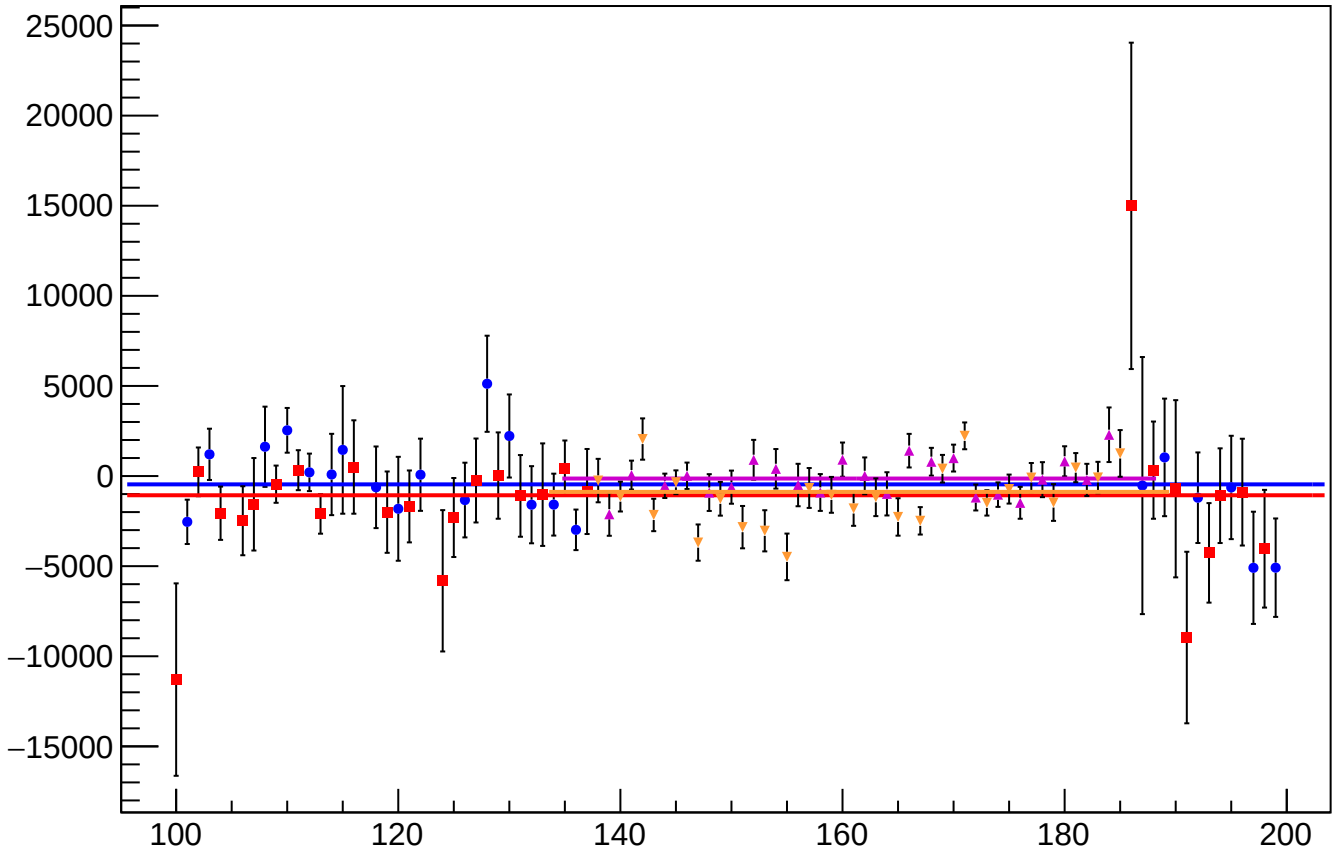
Right Out: 103.830+/-0.023 χ^2/NDF: 4261210.5/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 95.068+/-0.013 χ^2/NDF: 4117002.2/46

All: 95.423+/-0.009 χ^2/NDF: 9260833.4/96

- sign 95.788+/-0.013 χ^2/NDF: 5142223.5/49



Right In: -461.524+/-398.059 χ^2/NDF: 29.0/21

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

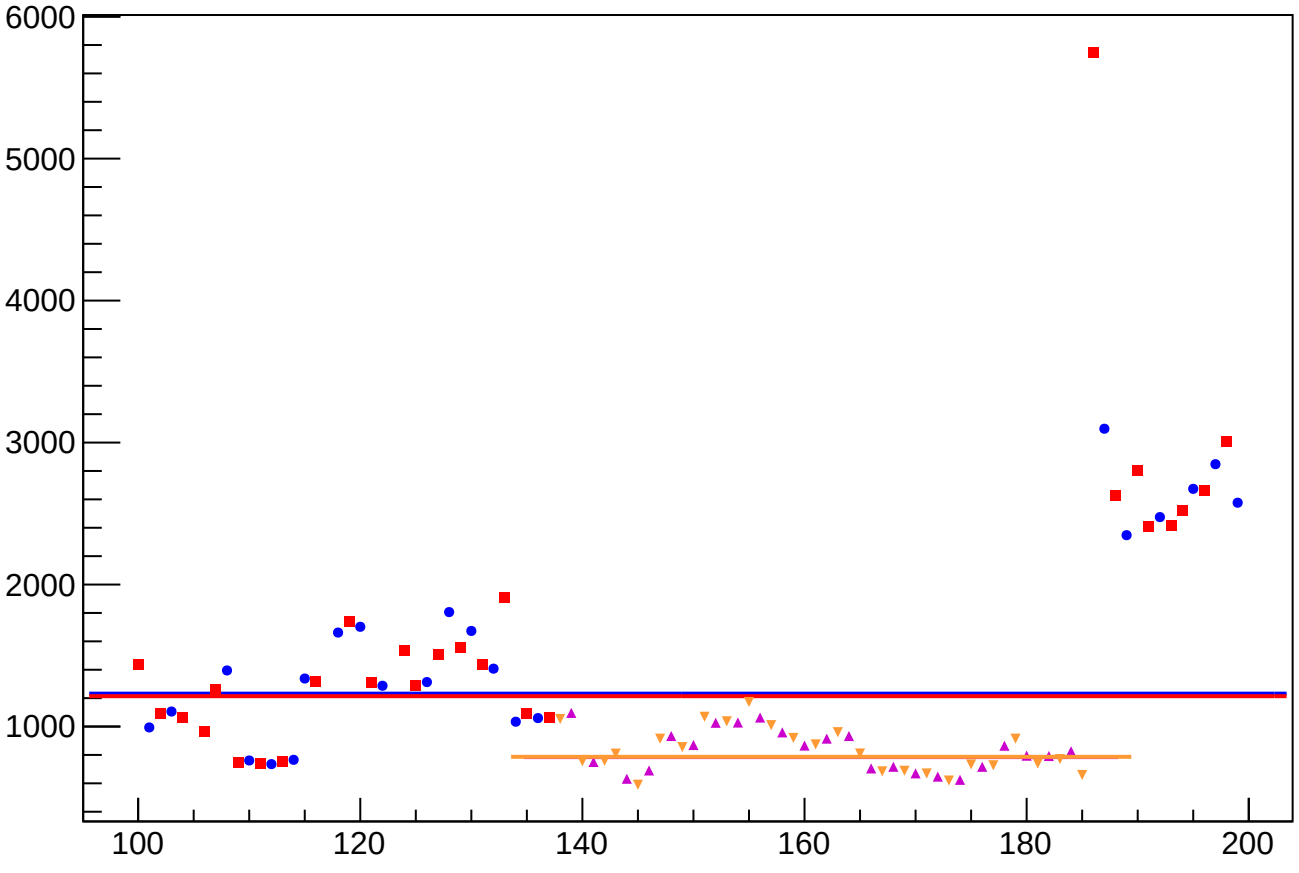
Right Out: -1066.143+/-380.194 χ^2/NDF: 20.5/26

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -806.242+/-165.661 χ^2/NDF: 97.7/46

All: -565.162+/-117.782 χ^2/NDF: 151.5/96

- sign -318.722+/-167.493 χ^2/NDF: 49.5/49



Right In: 1231.622+/-0.281 χ^2/NDF: 3705224.7/21

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1213.833+/-0.269 χ^2/NDF: 4897626.0/26

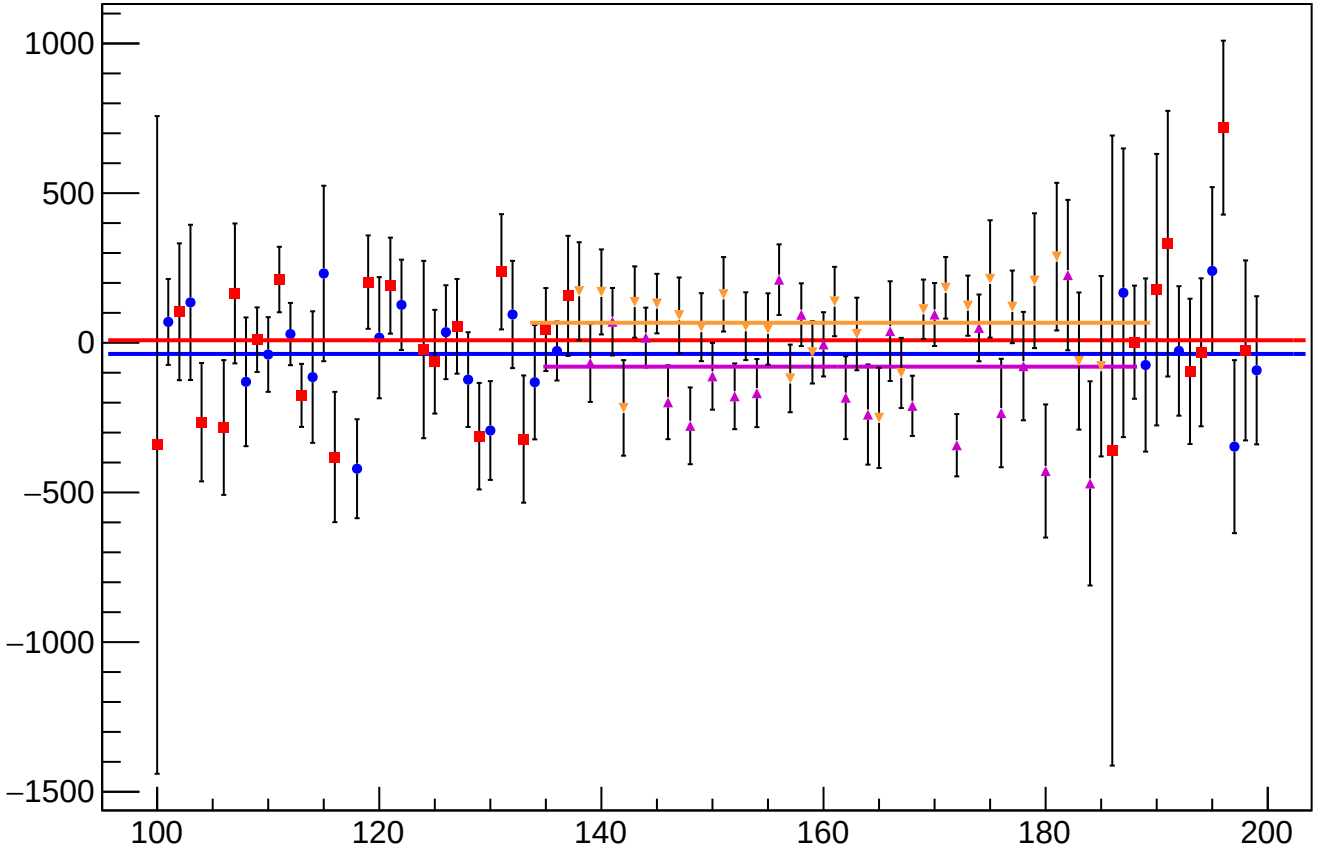
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 863.808+/-0.117 χ^2/NDF: 6981451.8/46

All: 865.927+/-0.083 χ^2/NDF: 14995721.0/96

- sign 868.094+/-0.118 χ^2/NDF: 8013607.2/49

dit_asym_sam_3748_avg_mean vs Slug



Right In: -37.217+/-36.850 χ^2/NDF: 15.3/21

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 8.452+/-35.769 χ^2/NDF: 31.8/26

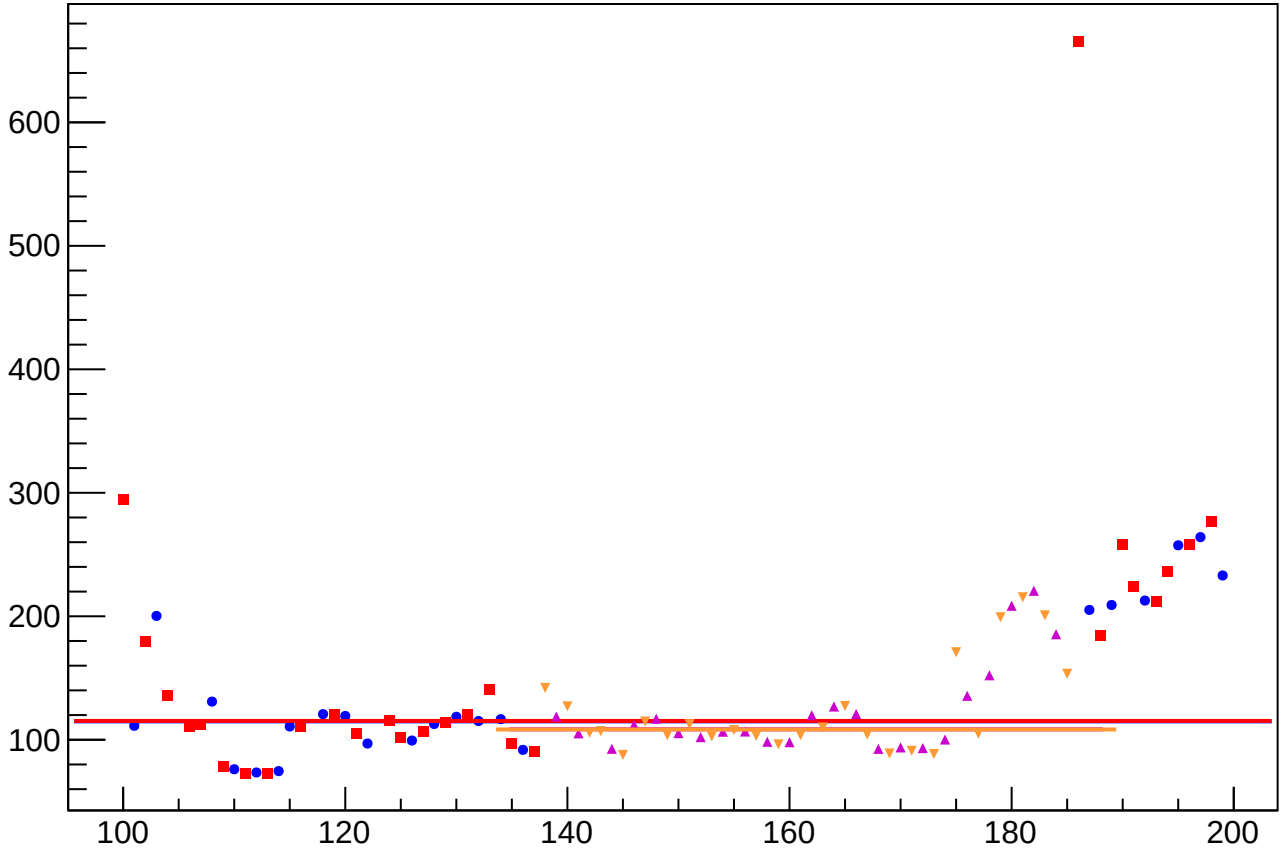
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 33.034+/-21.015 χ^2/NDF: 40.3/46

All: -7.554+/-14.921 χ^2/NDF: 120.5/96

- sign -48.811+/-21.188 χ^2/NDF: 72.7/49

dit_asym_sam_3748_avg_rms vs Slug



Right In: 114.920+/-0.026 χ^2/NDF: 3167661.1/21

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

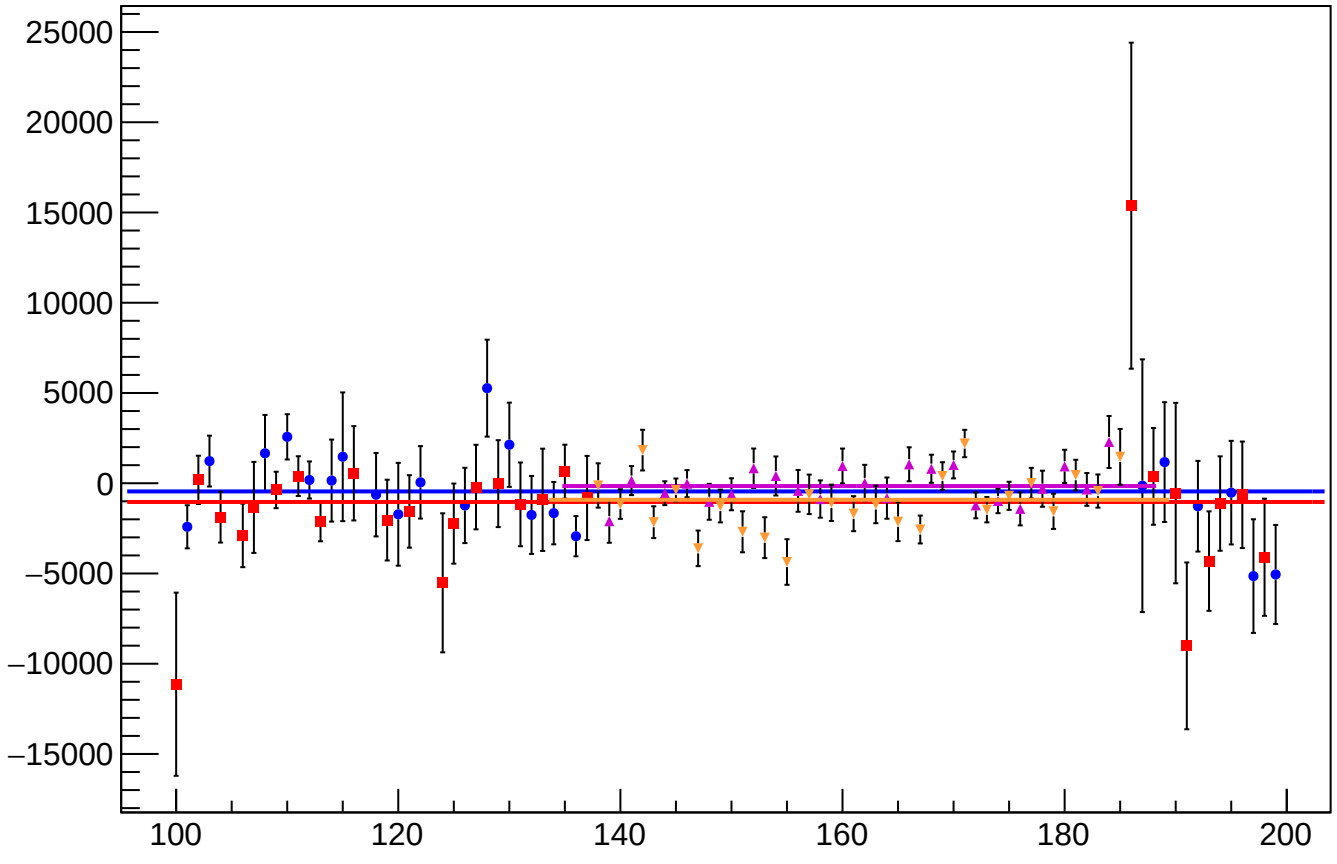
Right Out: 115.233+/-0.025 χ^2/NDF: 4205051.5/26

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 110.473+/-0.015 χ^2/NDF: 4985419.1/46

All: 110.664+/-0.011 χ^2/NDF: 10616297.8/96

- sign 110.858+/-0.015 χ^2/NDF: 5630547.4/49



Right In: -453.831+/-396.089 χ^2/NDF: 29.0/21

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -1038.028+/-375.415 χ^2/NDF: 22.1/26

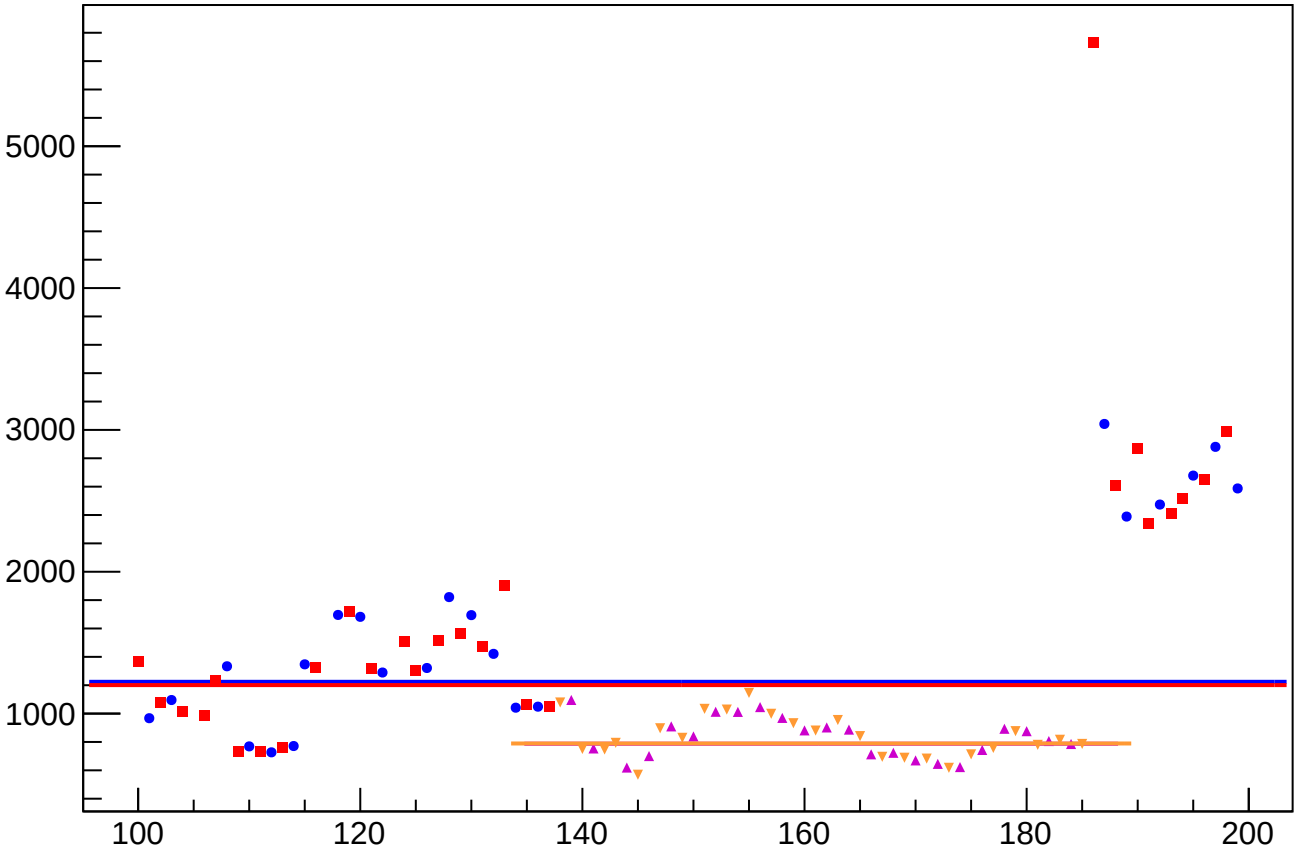
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -837.350+/-165.723 χ^2/NDF: 94.3/46

All: -587.030+/-117.796 χ^2/NDF: 148.5/96

- sign -331.415+/-167.467 χ^2/NDF: 49.6/49

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1224.053+/-0.280 χ^2/NDF: 3775270.4/21

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1200.867+/-0.265 χ^2/NDF: 4961512.7/26

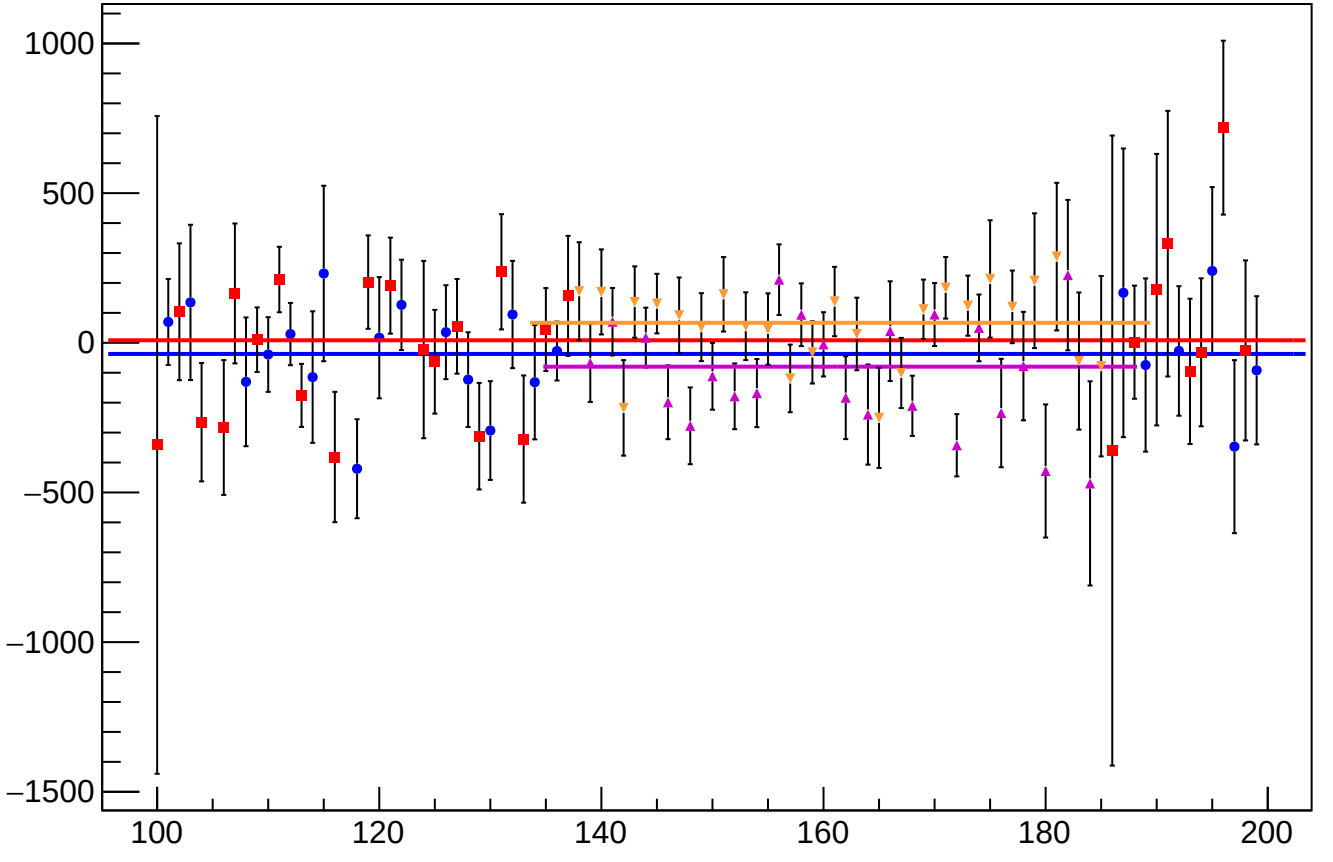
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 865.365+/-0.117 χ^2/NDF: 6940235.9/46

All: 867.494+/-0.083 χ^2/NDF: 14887140.4/96

- sign 869.668+/-0.118 χ^2/NDF: 7946237.3/49

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -37.216+/-36.850 χ^2/NDF: 15.3/21

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 8.453+/-35.769 χ^2/NDF: 31.8/26

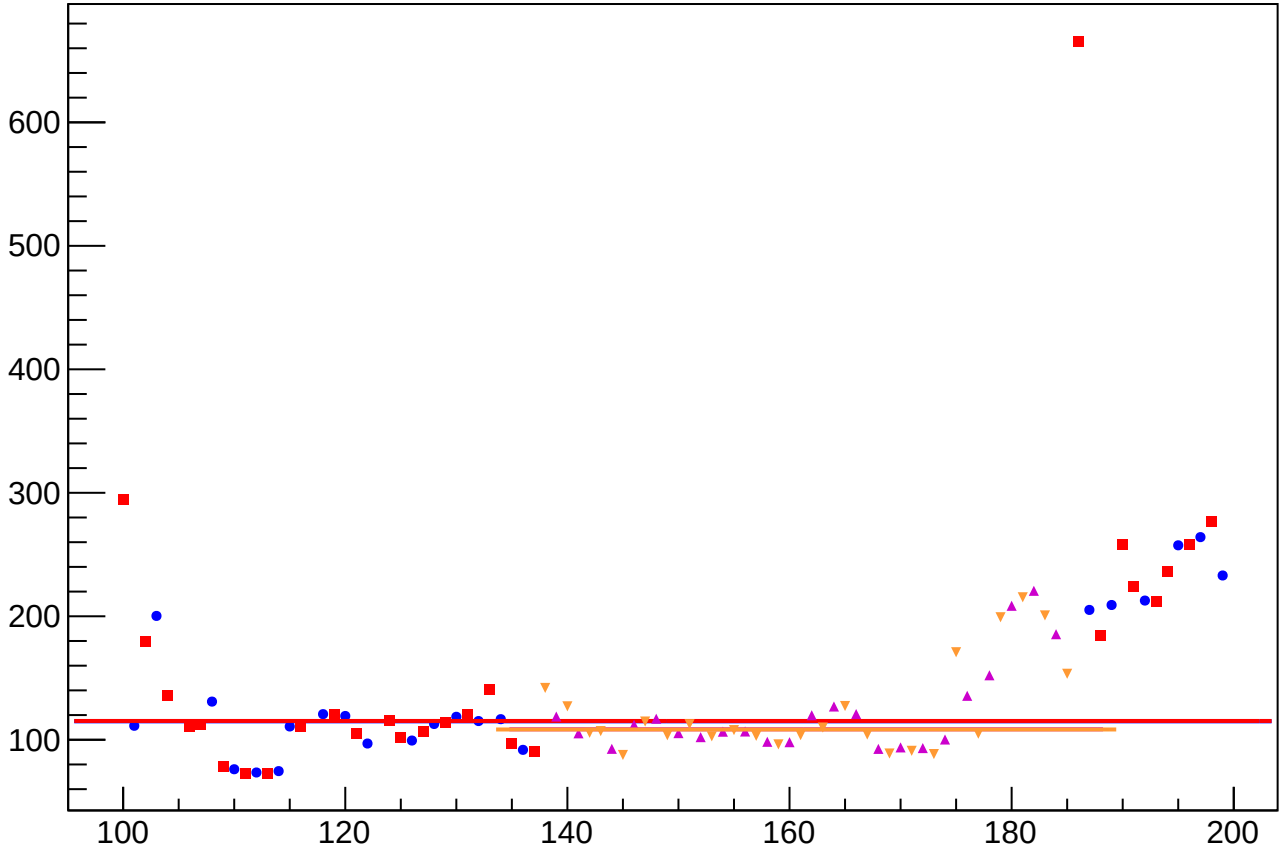
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 33.035+/-21.015 χ^2/NDF: 40.3/46

All: -7.553+/-14.921 χ^2/NDF: 120.5/96

- sign -48.810+/-21.188 χ^2/NDF: 72.7/49

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 114.920+/-0.026 χ^2/NDF: 3167652.4/21

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

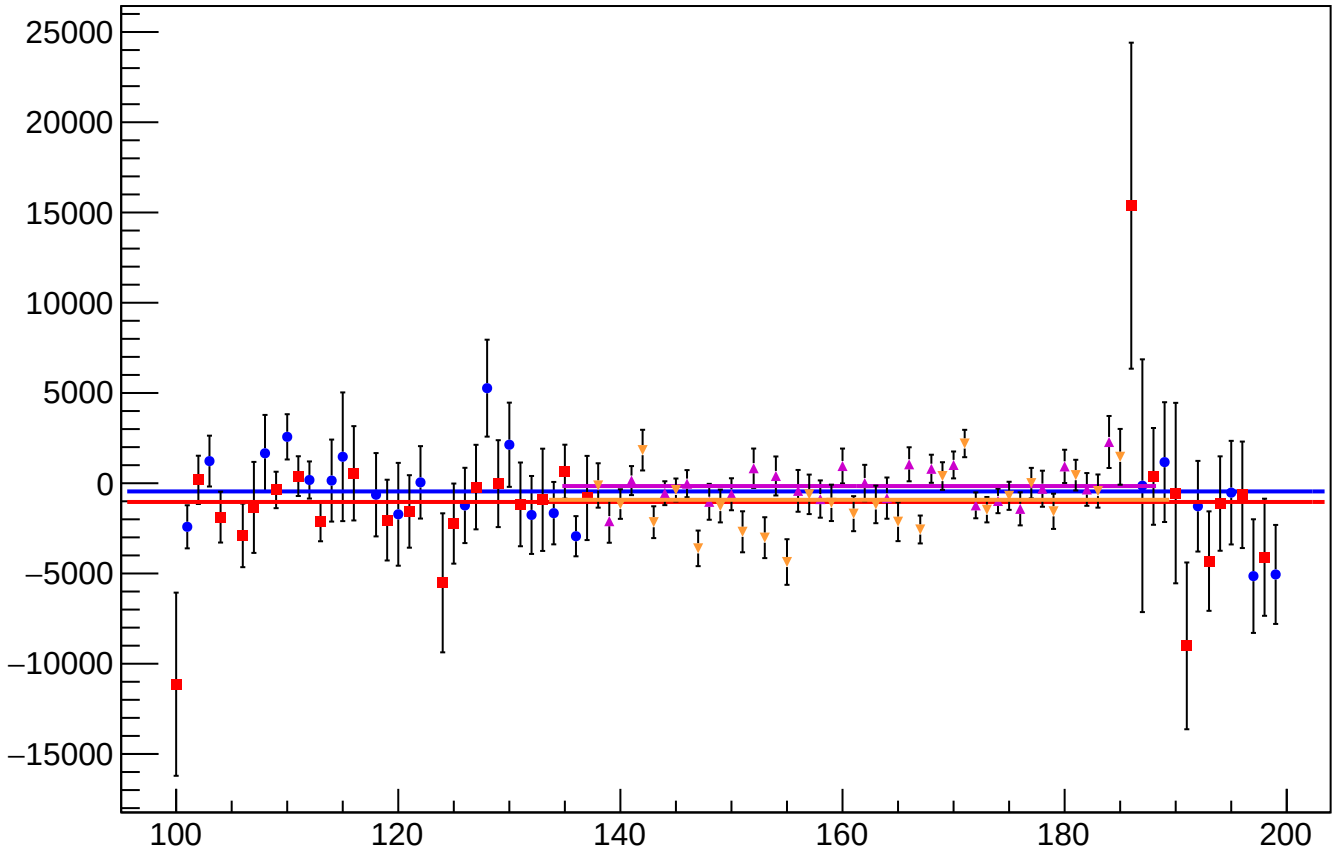
Right Out: 115.233+/-0.025 χ^2/NDF: 4205053.4/26

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 110.474+/-0.015 χ^2/NDF: 4985402.9/46

All: 110.664+/-0.011 χ^2/NDF: 10616262.2/96

- sign 110.858+/-0.015 χ^2/NDF: 5630528.1/49



Right In: -453.829+/-396.089 χ^2/NDF: 29.0/21

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

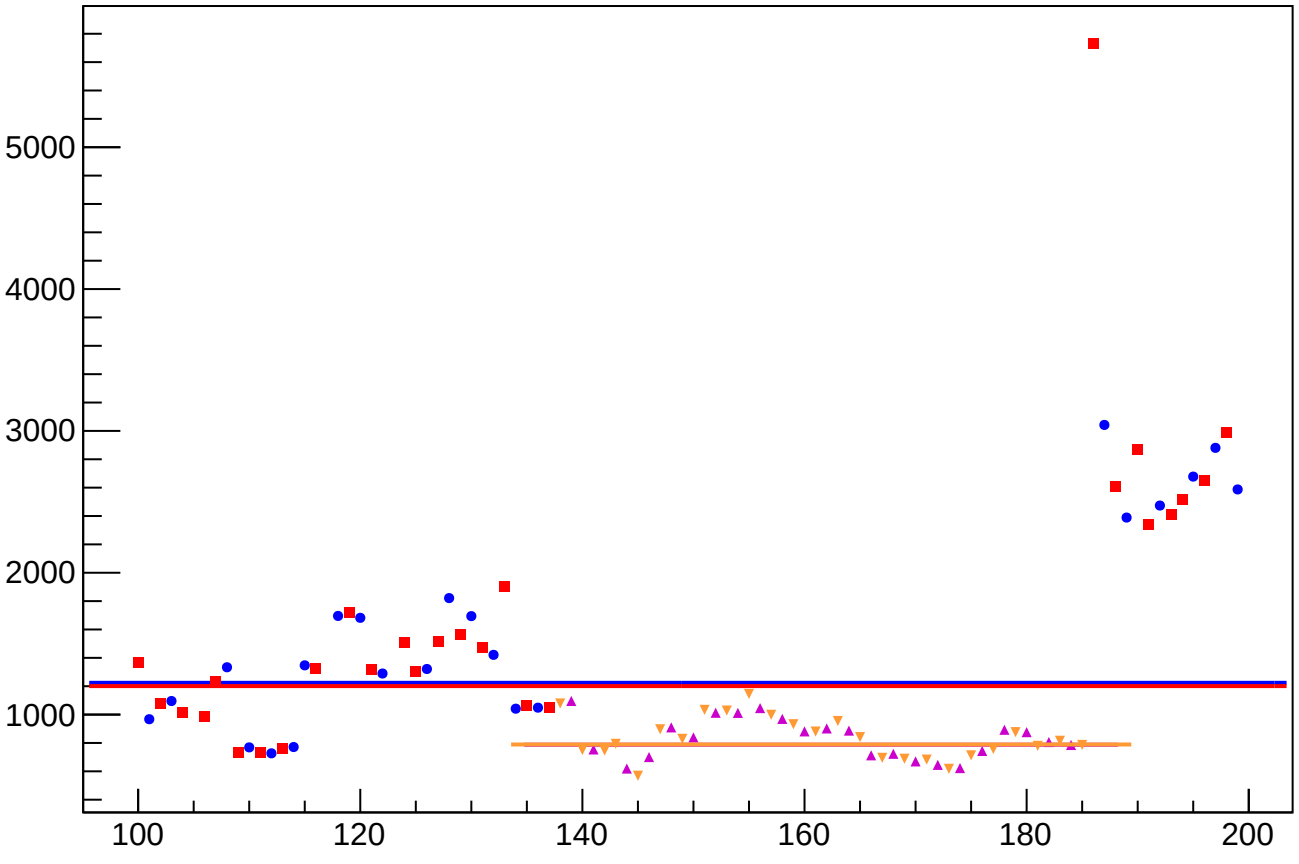
Right Out: -1038.026+/-375.415 χ^2/NDF: 22.1/26

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -837.349+/-165.723 χ^2/NDF: 94.3/46

All: -587.029+/-117.795 χ^2/NDF: 148.5/96

- sign -331.413+/-167.467 χ^2/NDF: 49.6/49



Right In: 1224.050+/-0.280 χ^2/NDF: 3775278.0/21

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

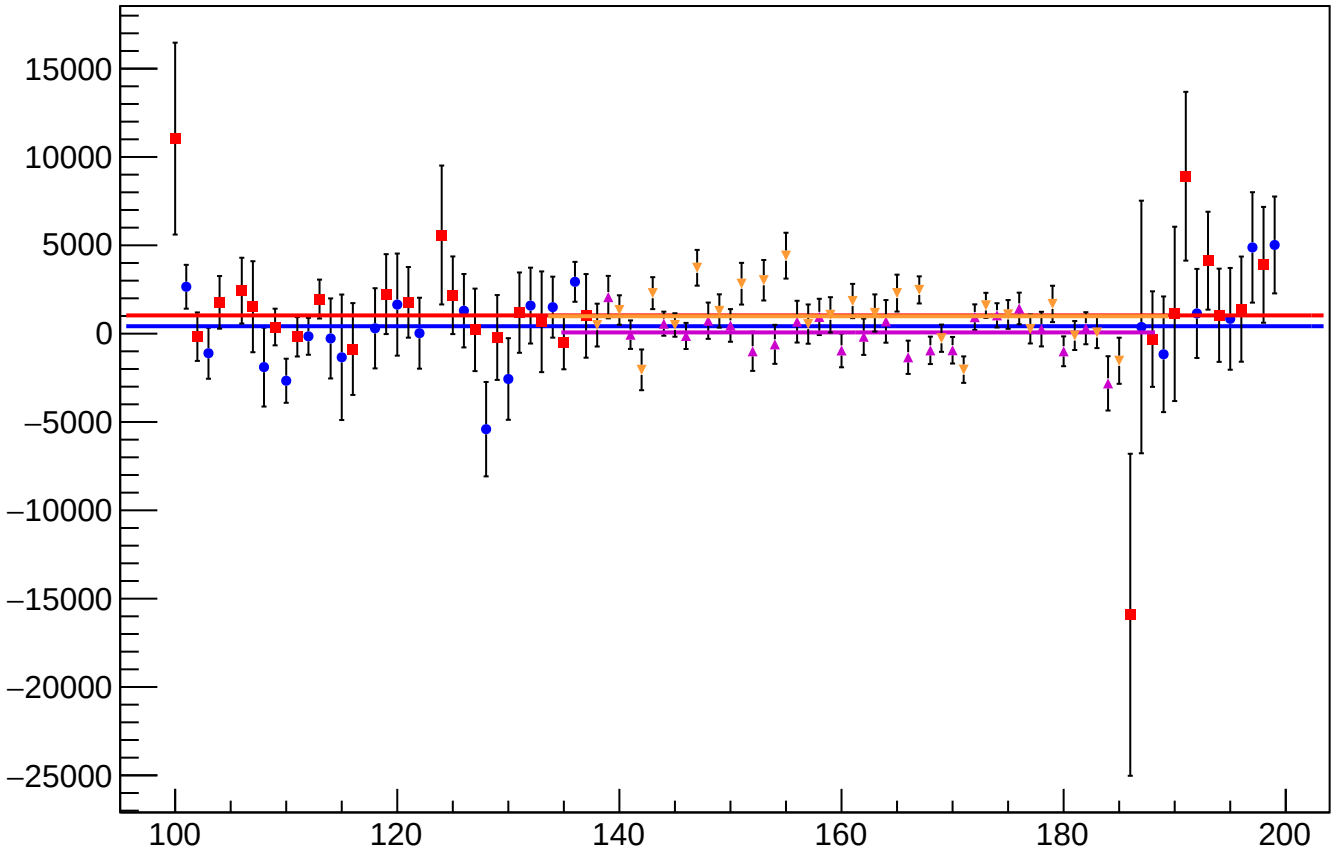
Right Out: 1200.866+/-0.265 χ^2/NDF: 4961516.1/26

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 865.363+/-0.117 χ^2/NDF: 6940245.5/46

All: 867.492+/-0.083 χ^2/NDF: 14887154.7/96

- sign 869.667+/-0.118 χ^2/NDF: 7946241.9/49



Right In: 420.400+/-400.134 χ^2/NDF: 29.8/21

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1032.893+/-381.586 χ^2/NDF: 19.7/26

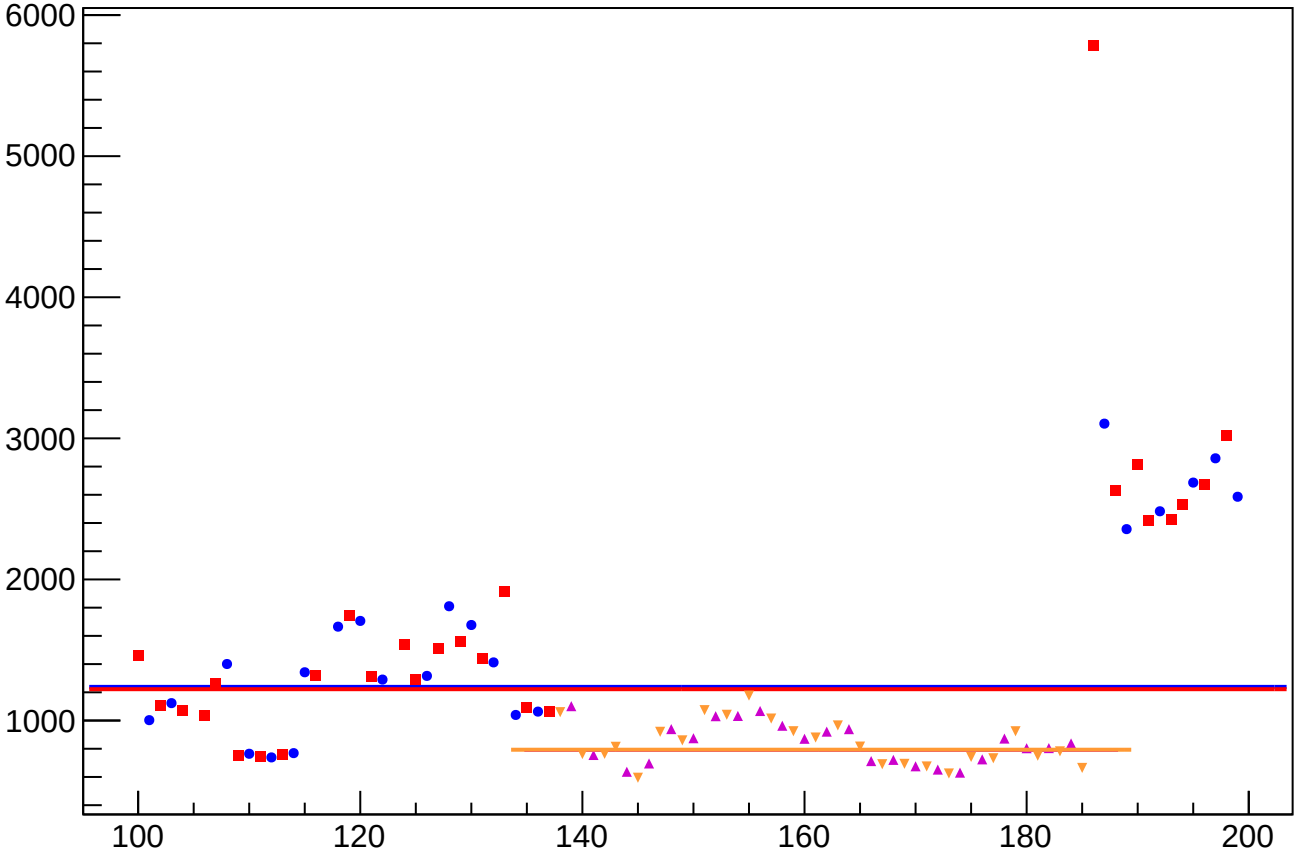
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 887.345+/-166.873 χ^2/NDF: 95.2/46

All: 576.142+/-118.627 χ^2/NDF: 151.5/96

- sign 258.204+/-168.669 χ^2/NDF: 49.2/49

asym_sam_3748_avg_rms vs Slug



Right In: 1238.516+/-0.283 χ^2/NDF: 3691399.4/21

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

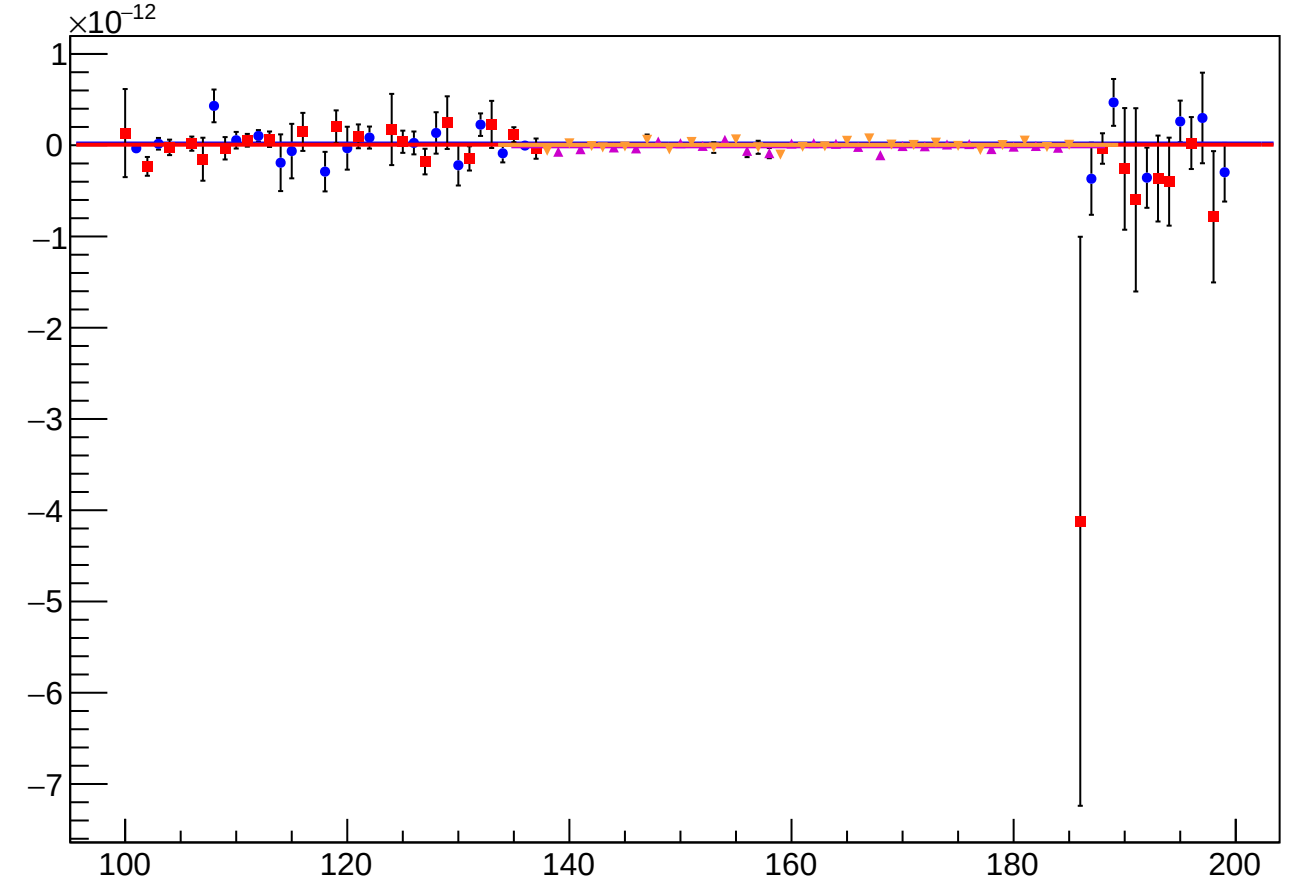
Right Out: 1222.108+/-0.270 χ^2/NDF: 4873246.3/26

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

\+ sign 870.528+/-0.118 χ^2/NDF: 6933067.5/46

All: 872.916+/-0.084 χ^2/NDF: 14908799.4/96

\- sign 875.356+/-0.119 χ^2/NDF: 7974903.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

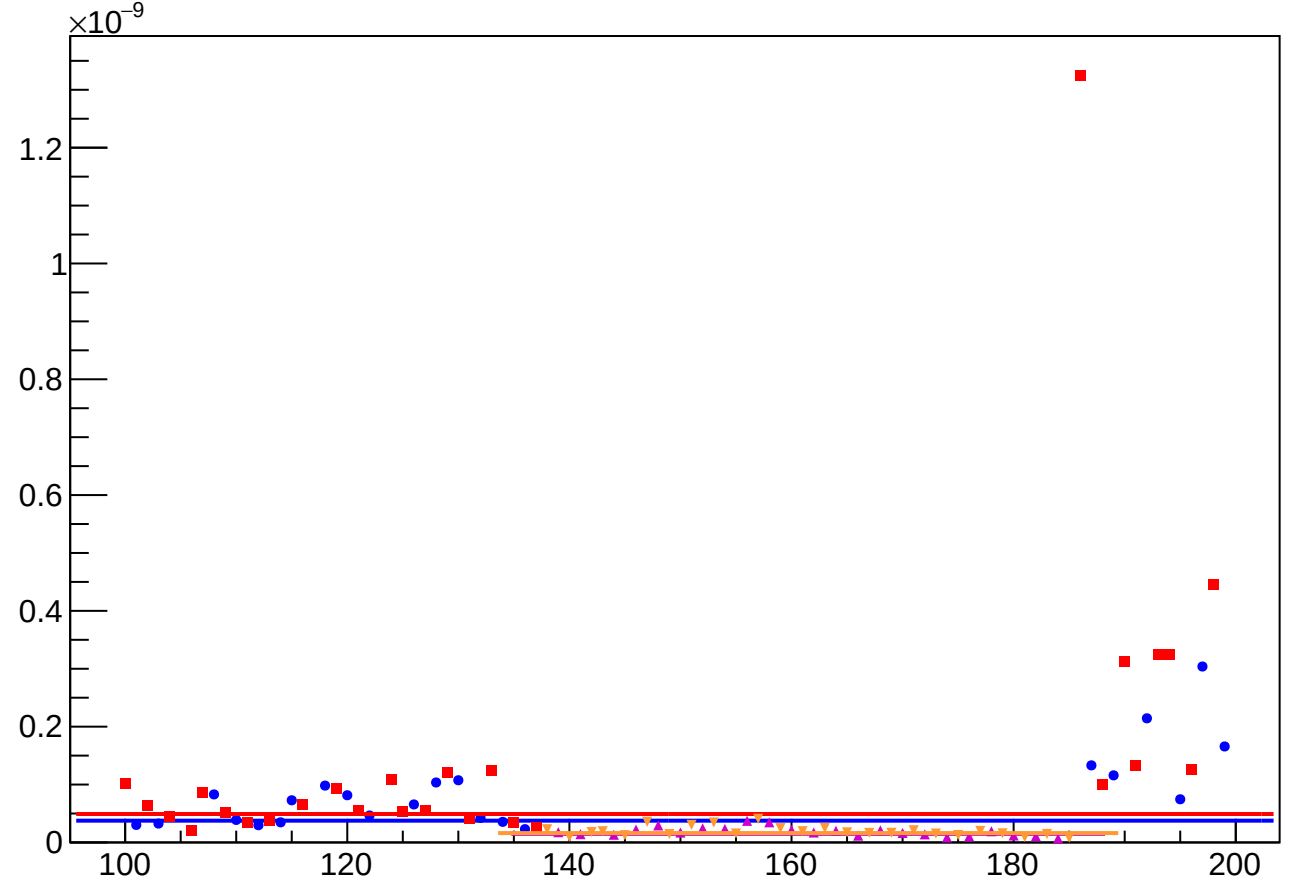
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/26

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.0/46

All: -0.000+/-0.000 χ^2/NDF: 108.8/96

- sign -0.000+/-0.000 χ^2/NDF: 46.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 3051412.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

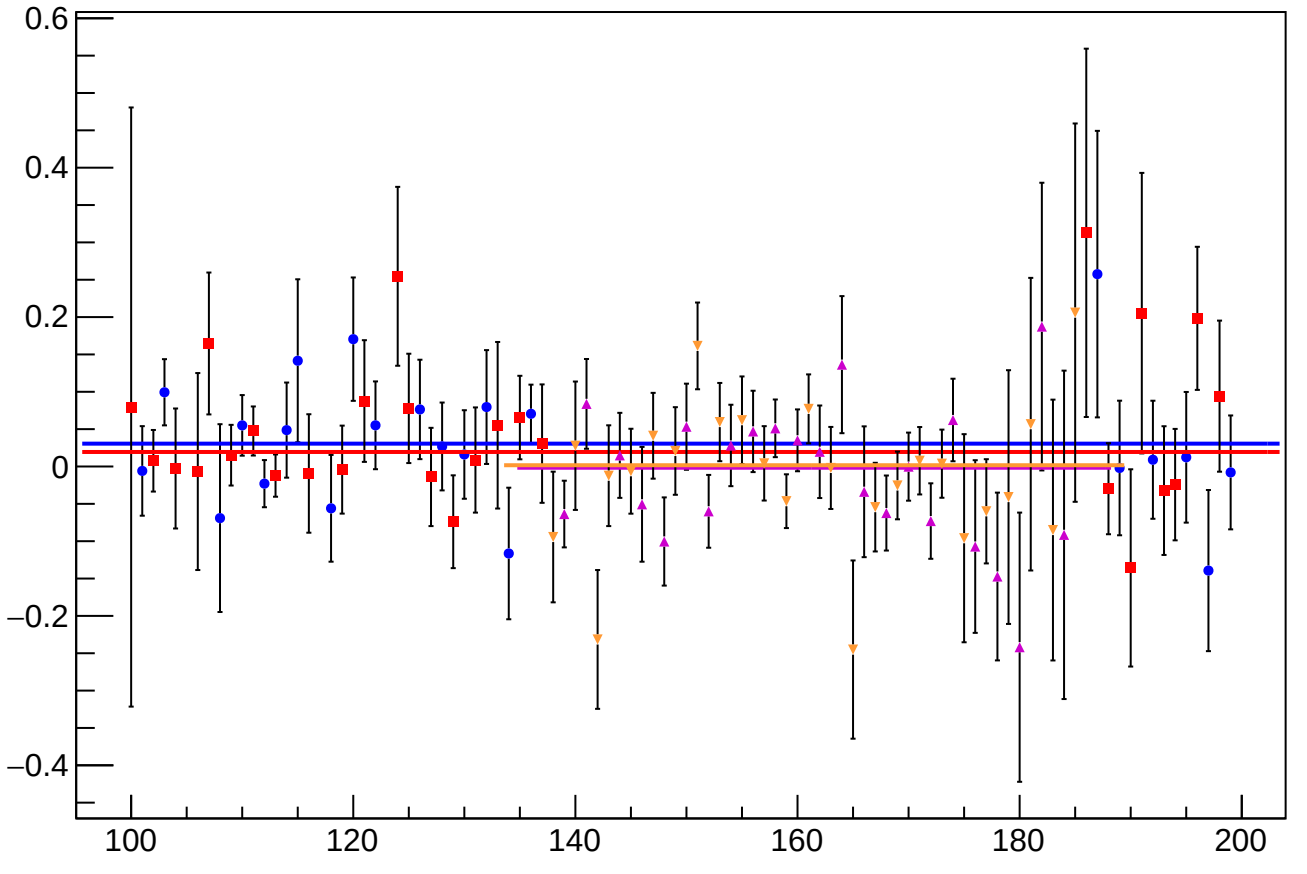
Right Out: 0.000+/-0.000 χ^2/NDF: 4076004.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6602470.1/46

All: 0.000+/-0.000 χ^2/NDF: 15579583.6/96

- sign 0.000+/-0.000 χ^2/NDF: 8940296.5/49



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

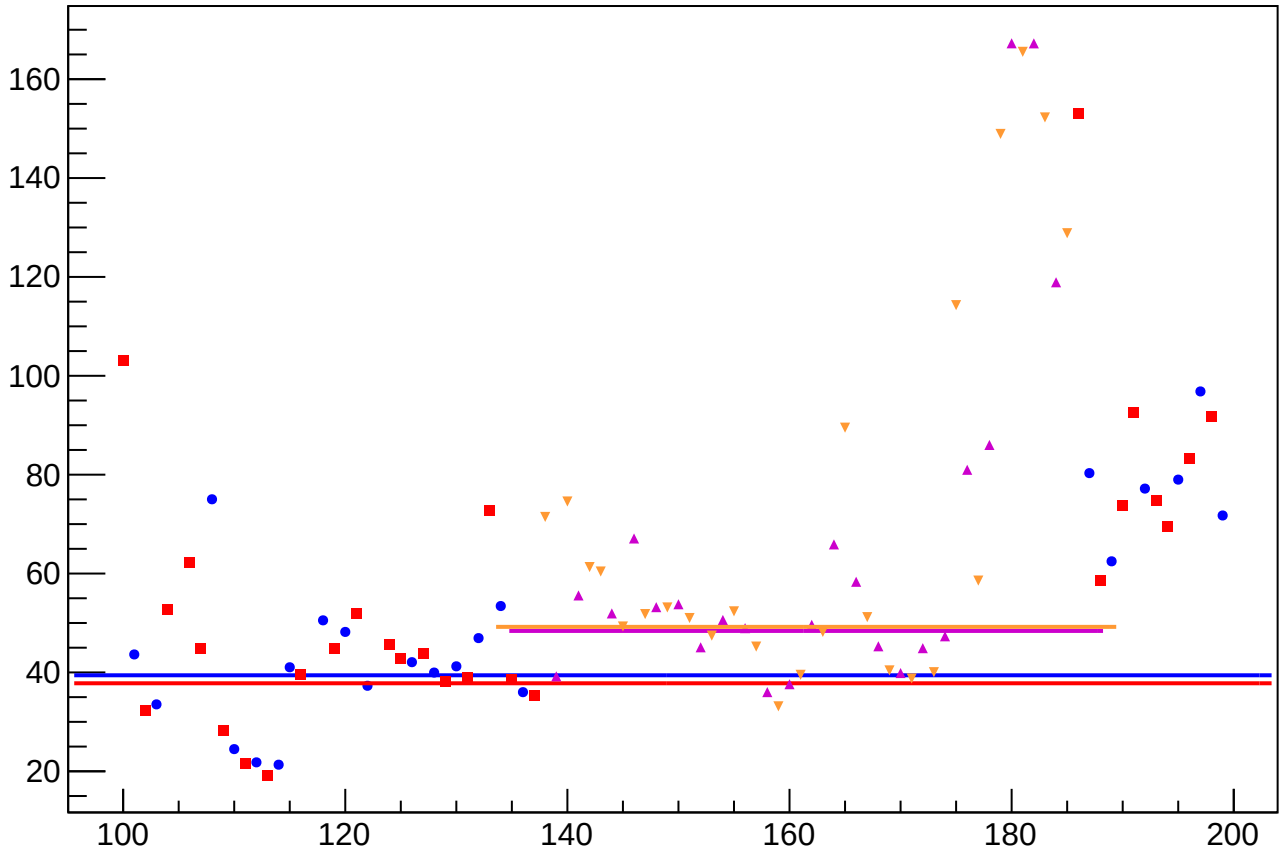
Right Out: 0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.015+/-0.009 χ^2/NDF: 54.5/46

All: 0.012+/-0.006 χ^2/NDF: 104.8/96

- sign 0.009+/-0.009 χ^2/NDF: 50.1/49



Right In: 39.422+/-0.009 χ^2/NDF: 3440027.1/21

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

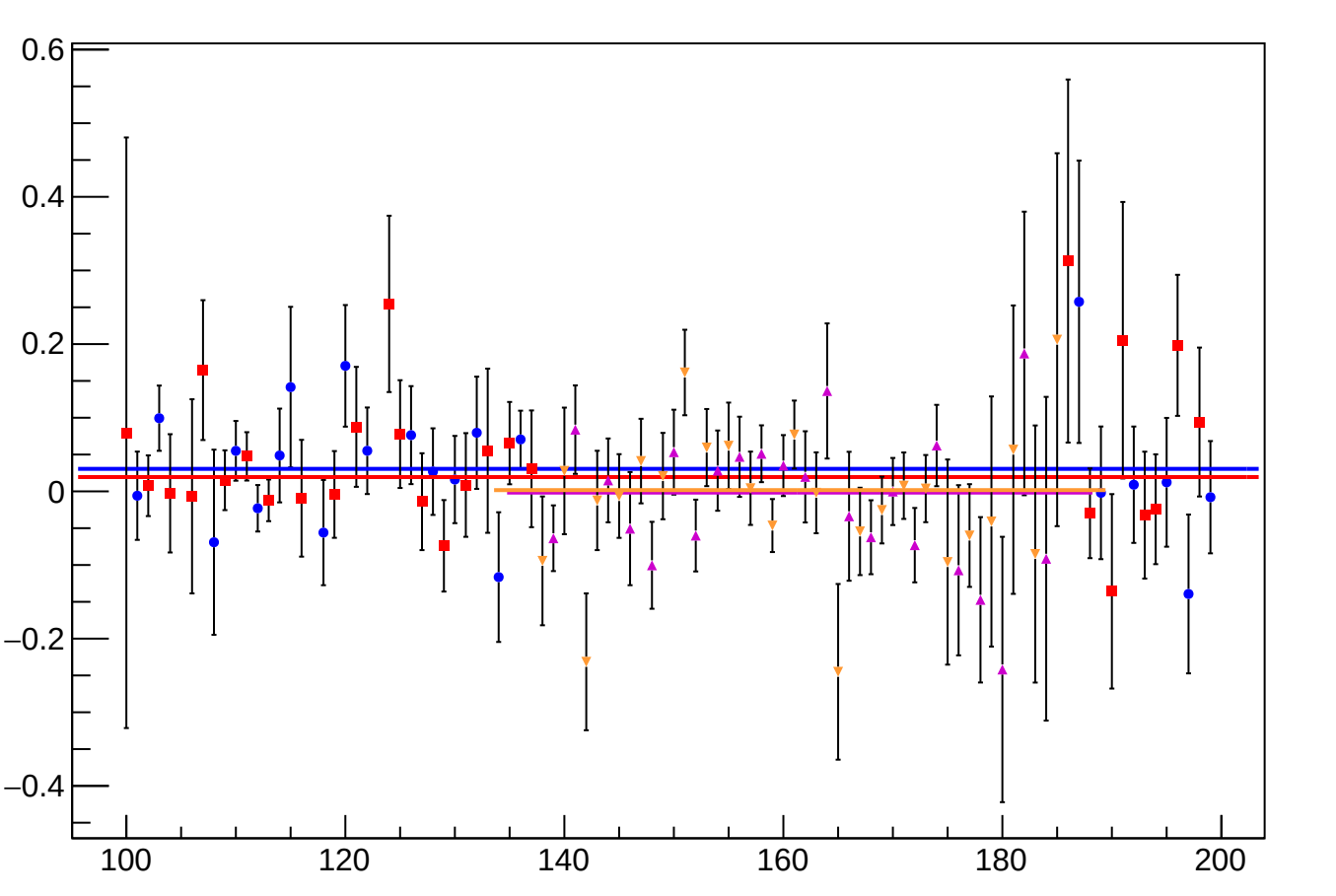
Right Out: 37.804+/-0.009 χ^2/NDF: 4767626.5/26

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

\+ sign 44.605+/-0.006 χ^2/NDF: 8208968.4/46

All: 43.796+/-0.004 χ^2/NDF: 16783352.6/96

\- sign 43.032+/-0.006 χ^2/NDF: 8542581.2/49



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

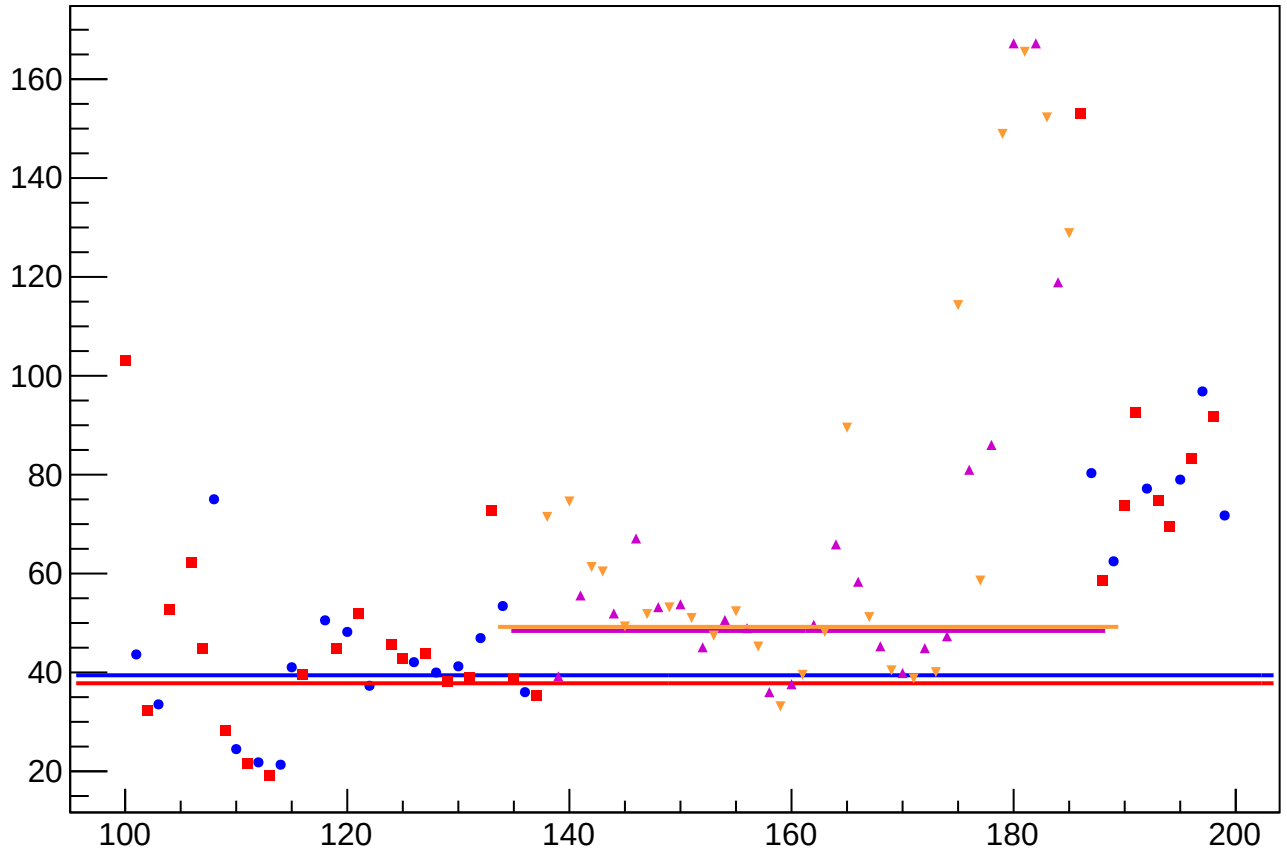
Right Out: 0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.015+/-0.009 χ^2/NDF: 54.5/46

All: 0.012+/-0.006 χ^2/NDF: 104.8/96

- sign 0.009+/-0.009 χ^2/NDF: 50.1/49



Right In: 39.422+/-0.009 χ^2/NDF: 3440027.1/21

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

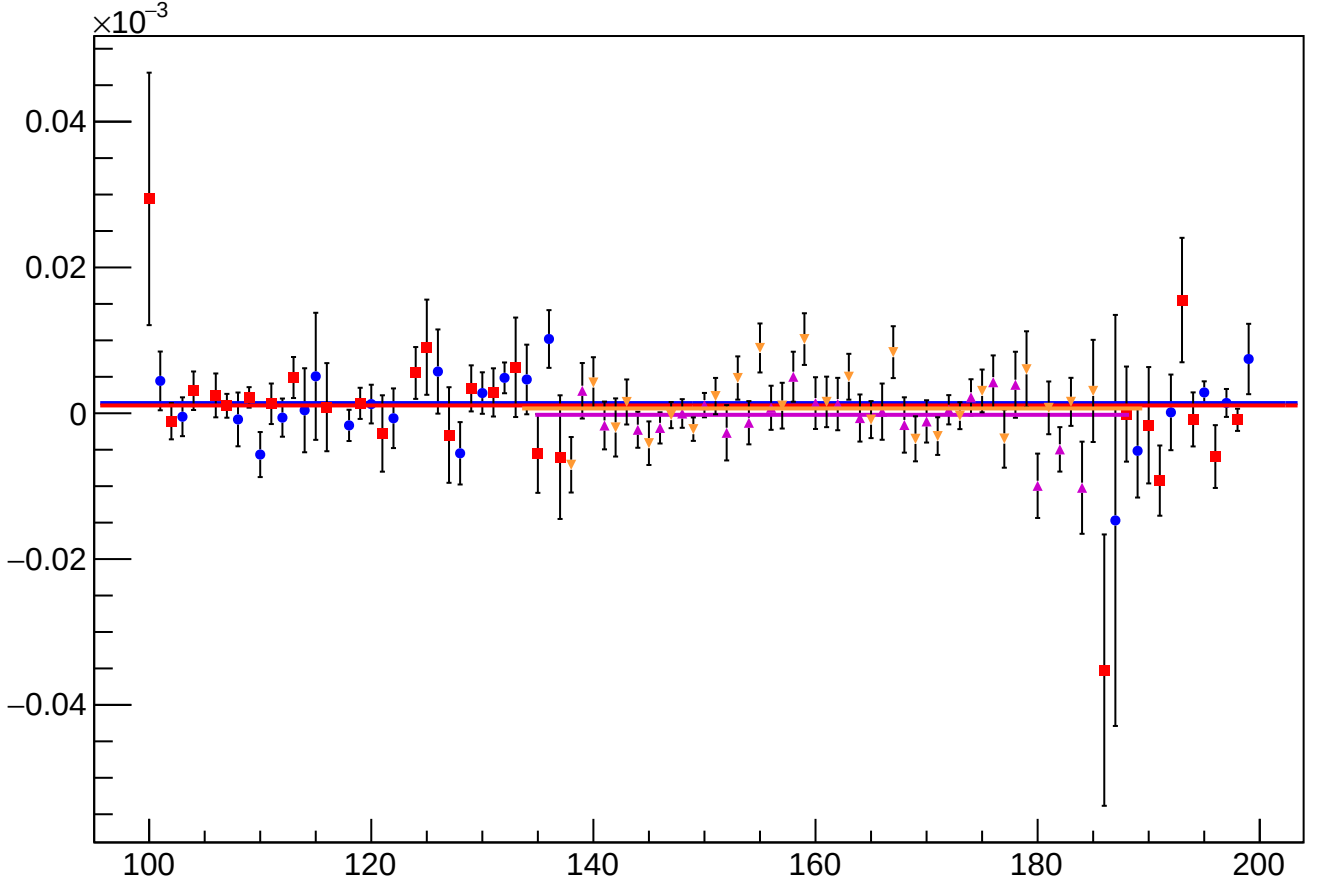
Right Out: 37.804+/-0.009 χ^2/NDF: 4767626.5/26

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 44.605+/-0.006 χ^2/NDF: 8208968.4/46

All: 43.796+/-0.004 χ^2/NDF: 16783352.6/96

- sign 43.032+/-0.006 χ^2/NDF: 8542581.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

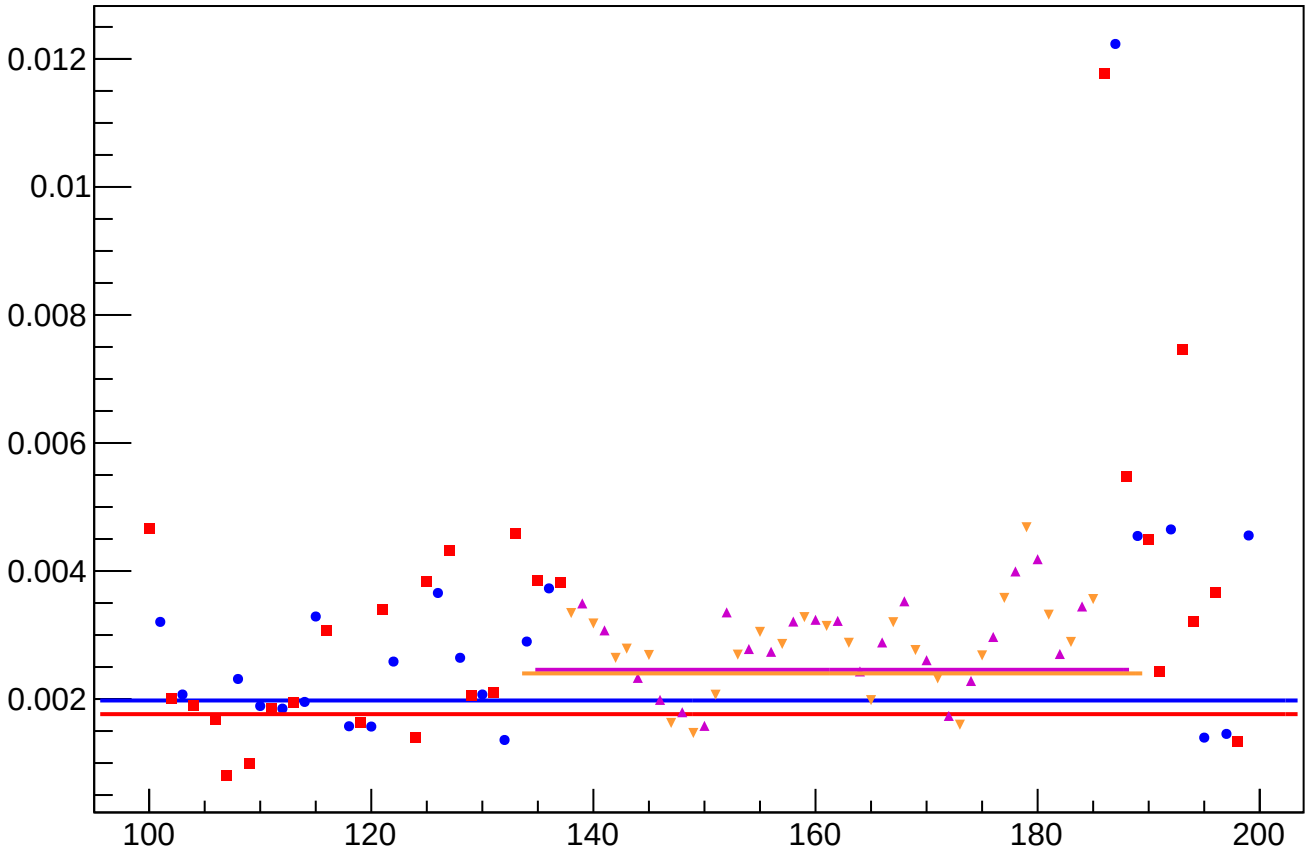
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/26

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.5/46

All: 0.000+/-0.000 χ^2/NDF: 120.7/96

- sign 0.000+/-0.000 χ^2/NDF: 52.4/49



Right In: 0.002+/-0.000 χ^2/NDF: 3400520.1/21

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

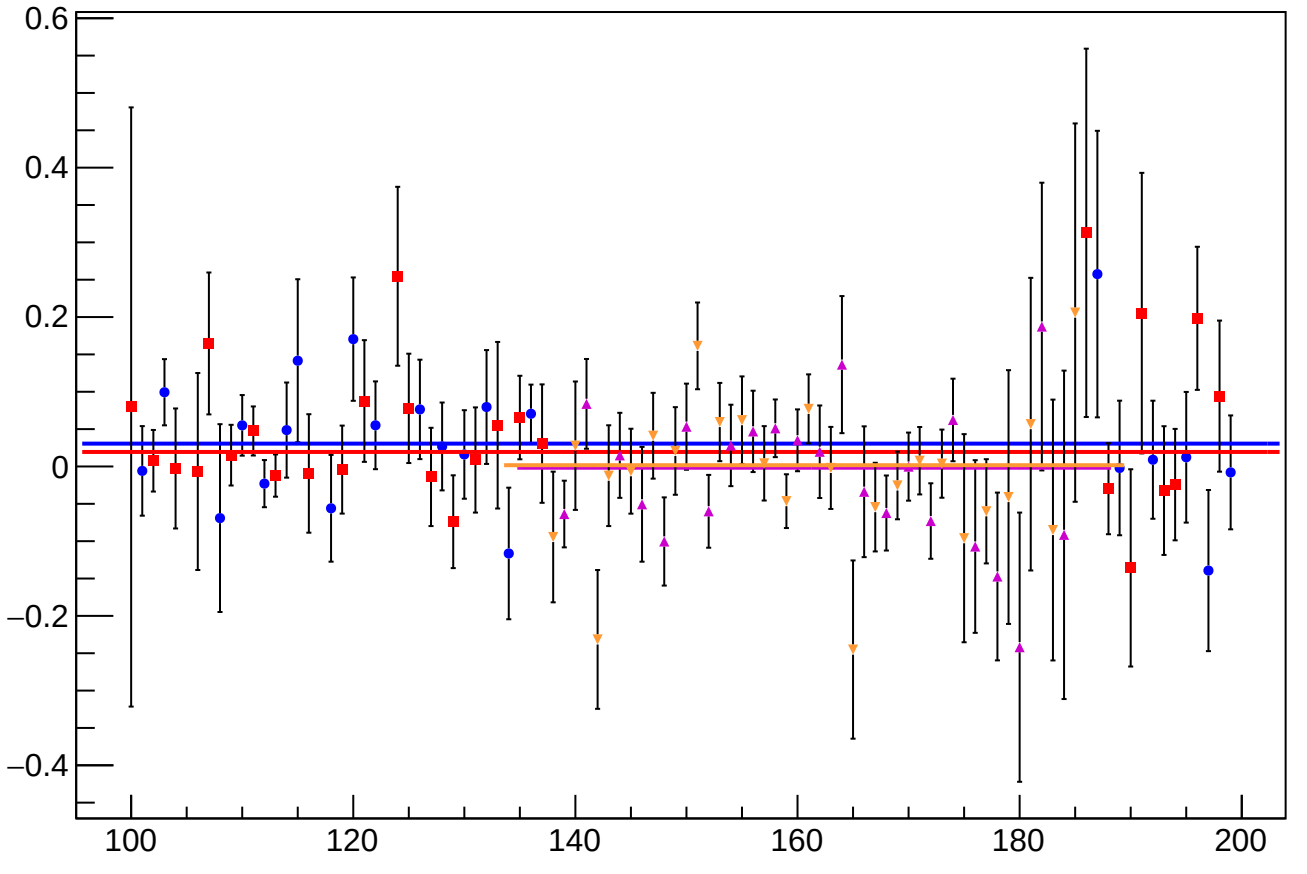
Right Out: 0.002+/-0.000 χ^2/NDF: 6244988.3/26

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 6997084.5/46

All: 0.002+/-0.000 χ^2/NDF: 17297843.4/96

- sign 0.002+/-0.000 χ^2/NDF: 10229688.0/49



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.019+/-0.012 χ^2/NDF: 22.5/26

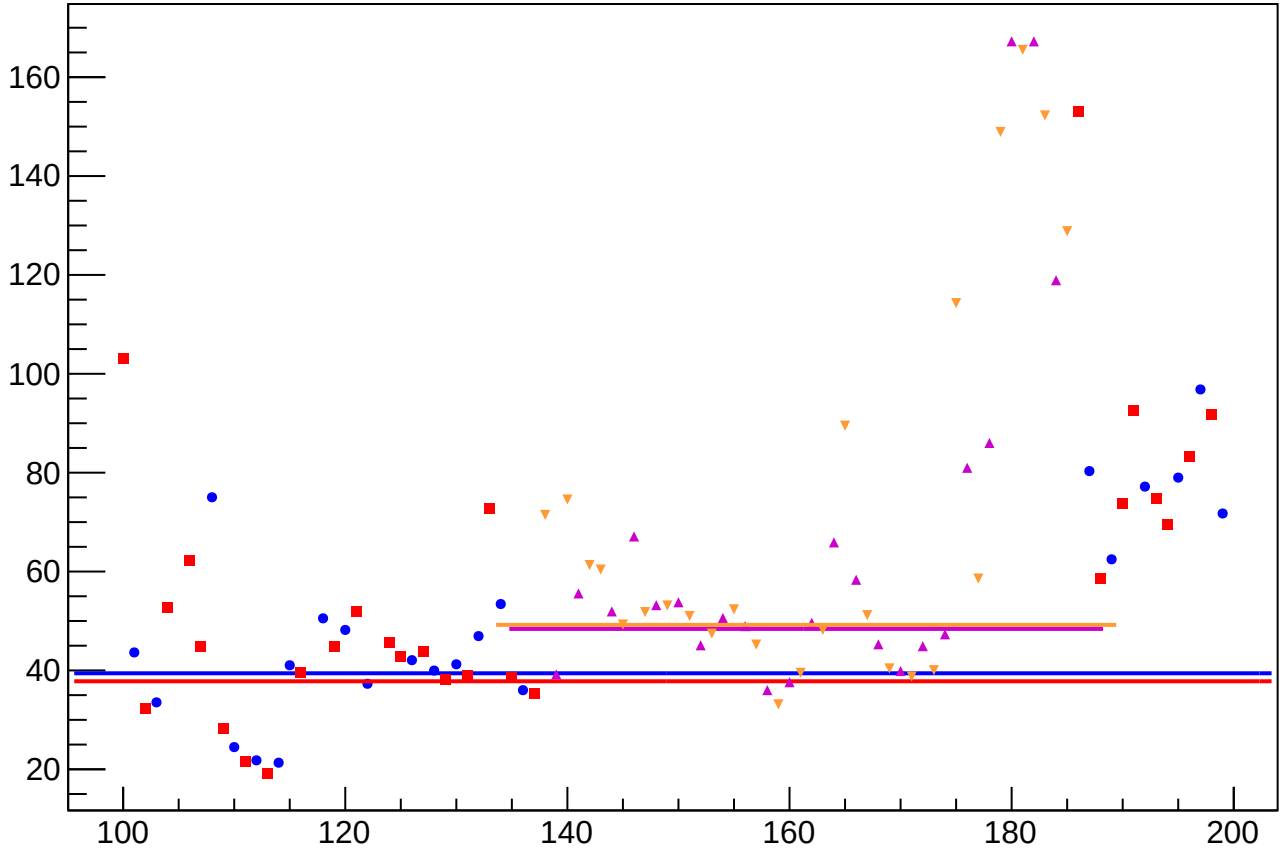
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

\+ sign 0.015+/-0.009 χ^2/NDF: 54.5/46

All: 0.012+/-0.006 χ^2/NDF: 104.8/96

\- sign 0.009+/-0.009 χ^2/NDF: 50.1/49

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.422+/-0.009 χ^2/NDF: 3439928.5/21

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

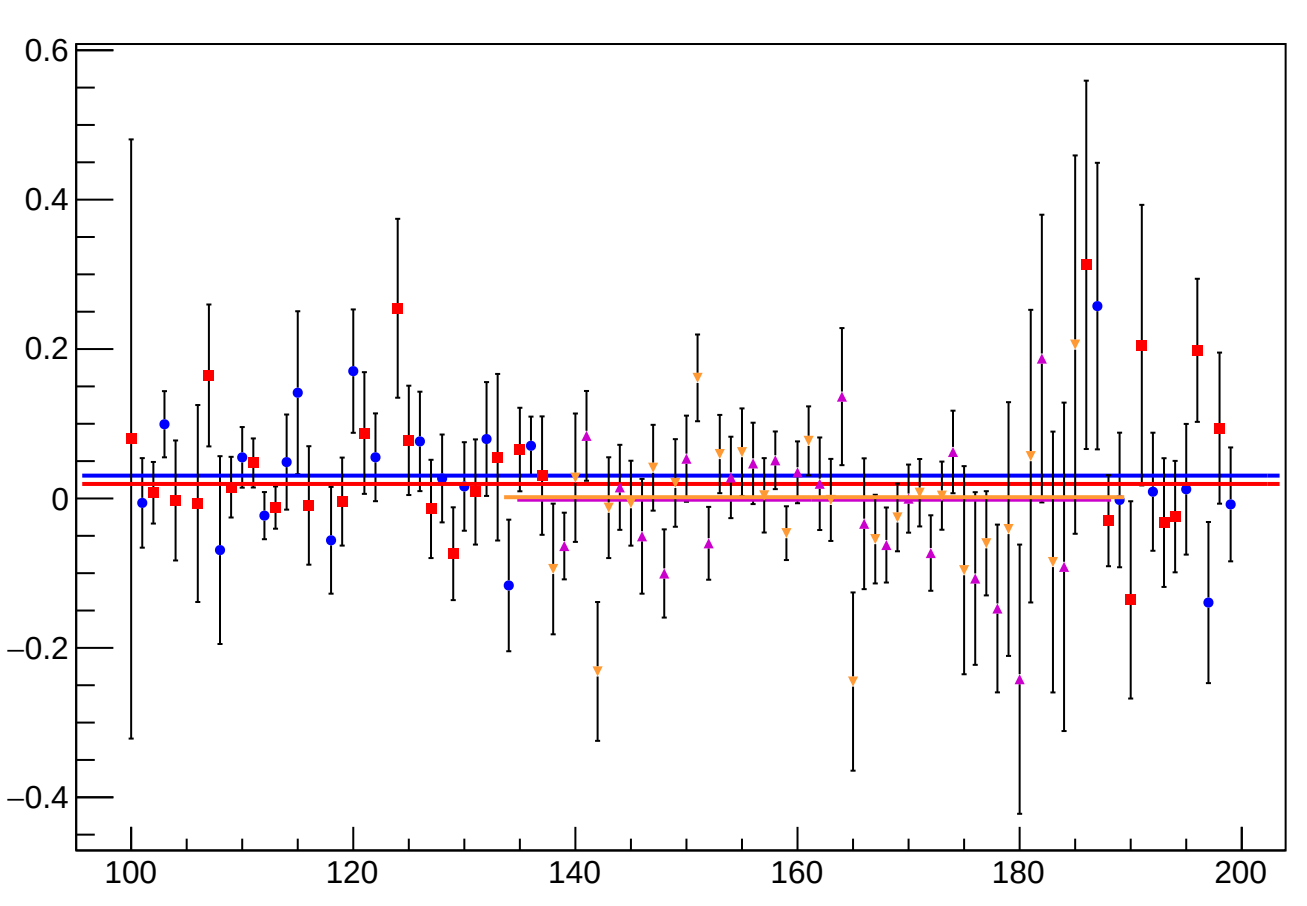
Right Out: 37.805+/-0.009 χ^2/NDF: 4767576.9/26

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.606+/-0.006 χ^2/NDF: 8208855.9/46

All: 43.797+/-0.004 χ^2/NDF: 16783154.4/96

- sign 43.033+/-0.006 χ^2/NDF: 8542497.7/49



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

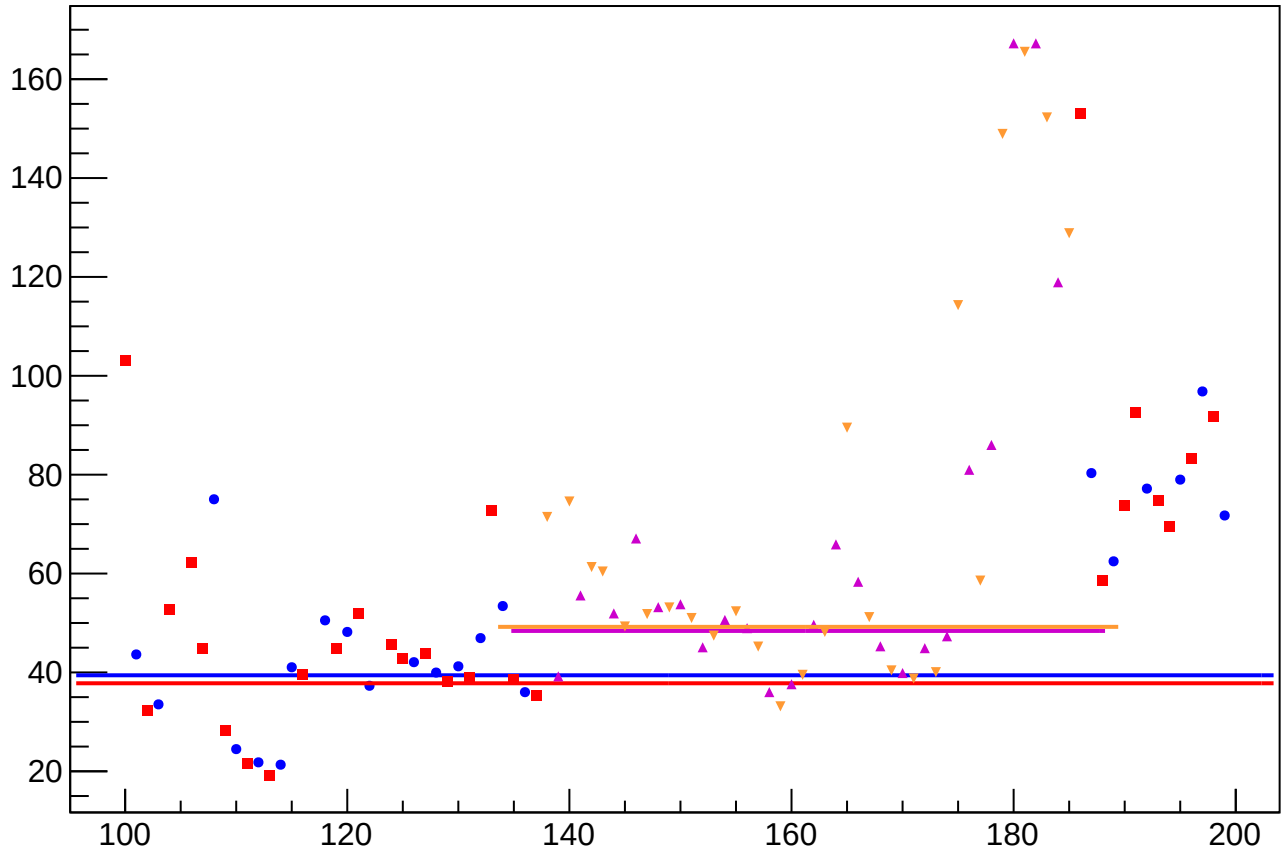
Right Out: 0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.015+/-0.009 χ^2/NDF: 54.5/46

All: 0.012+/-0.006 χ^2/NDF: 104.8/96

- sign 0.009+/-0.009 χ^2/NDF: 50.1/49



Right In: 39.422+/-0.009 χ^2/NDF: 3439928.5/21

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

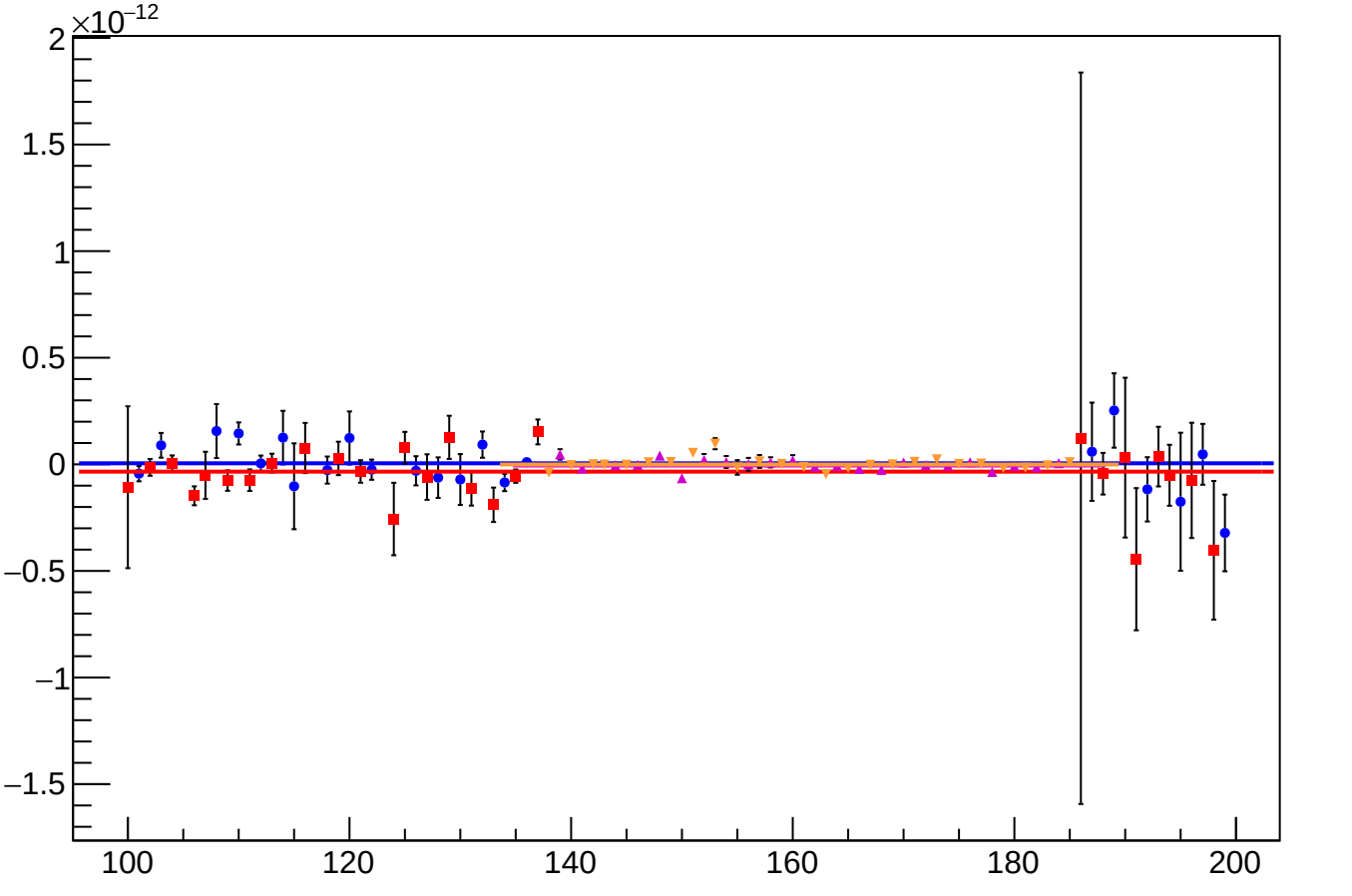
Right Out: 37.805+/-0.009 χ^2/NDF: 4767576.9/26

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.606+/-0.006 χ^2/NDF: 8208855.9/46

All: 43.797+/-0.004 χ^2/NDF: 16783154.4/96

- sign 43.033+/-0.006 χ^2/NDF: 8542497.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

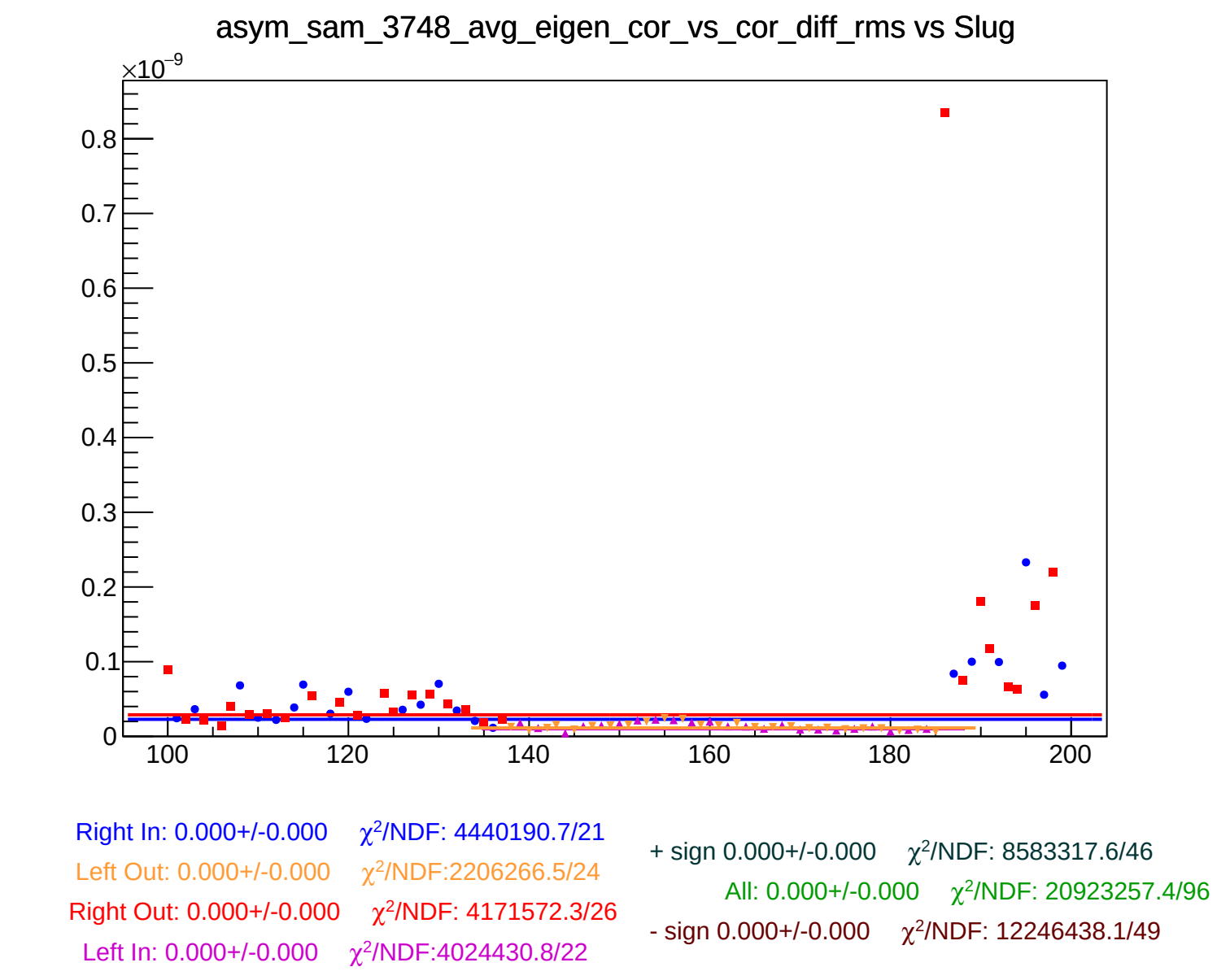
Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/26

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

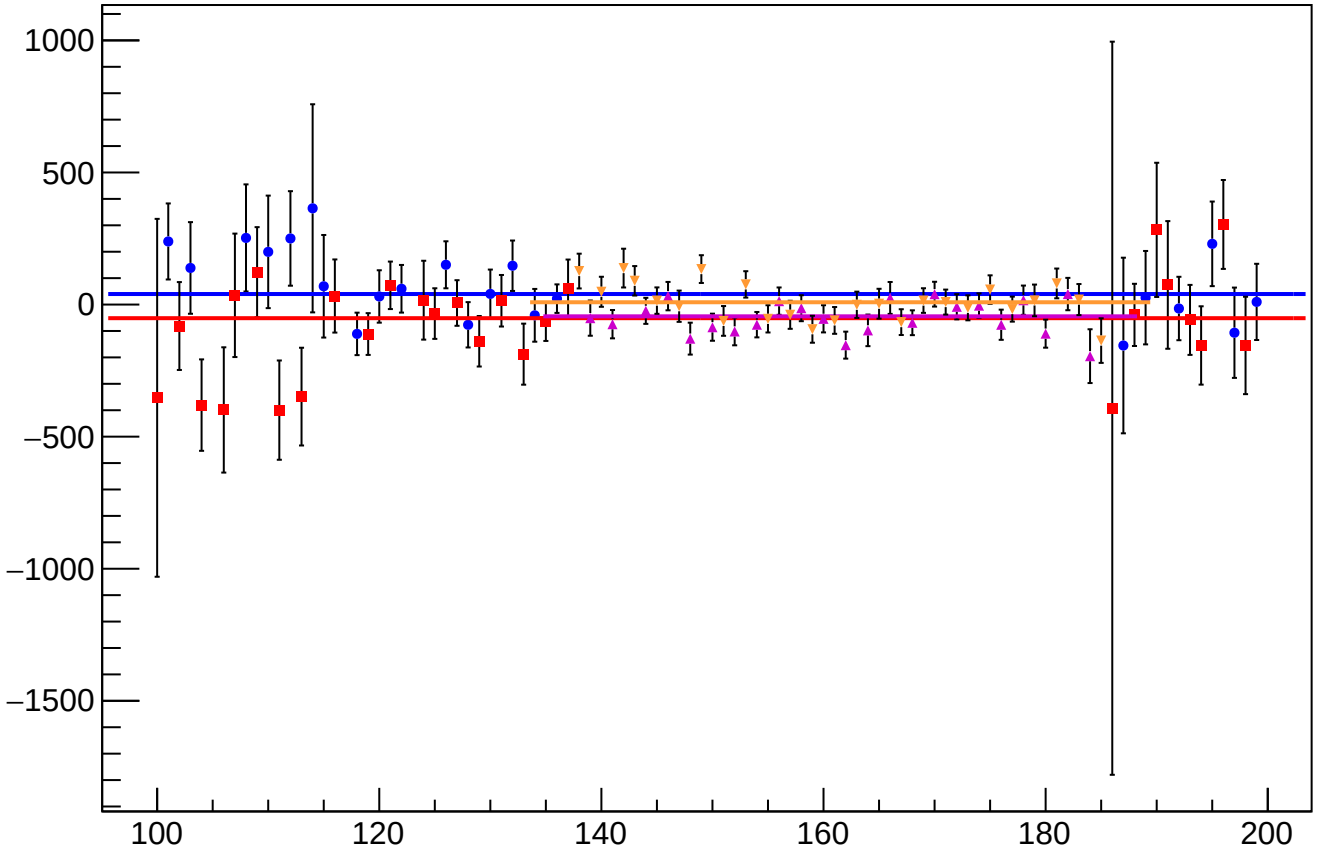
+ sign -0.000+/-0.000 χ^2/NDF: 67.2/46

All: -0.000+/-0.000 χ^2/NDF: 139.4/96

- sign -0.000+/-0.000 χ^2/NDF: 69.8/49


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4440190.7/21
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4171572.3/26
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
+ sign 0.000+/-0.000 χ²/NDF: 8583317.6/46
All: 0.000+/-0.000 χ²/NDF: 20923257.4/96
- sign 0.000+/-0.000 χ²/NDF: 12246438.1/49

reg_asym_sam_1526_avg_mean vs Slug



Right In: 39.892+/-23.998 χ^2/NDF: 17.7/21

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -51.551+/-24.581 χ^2/NDF: 27.8/26

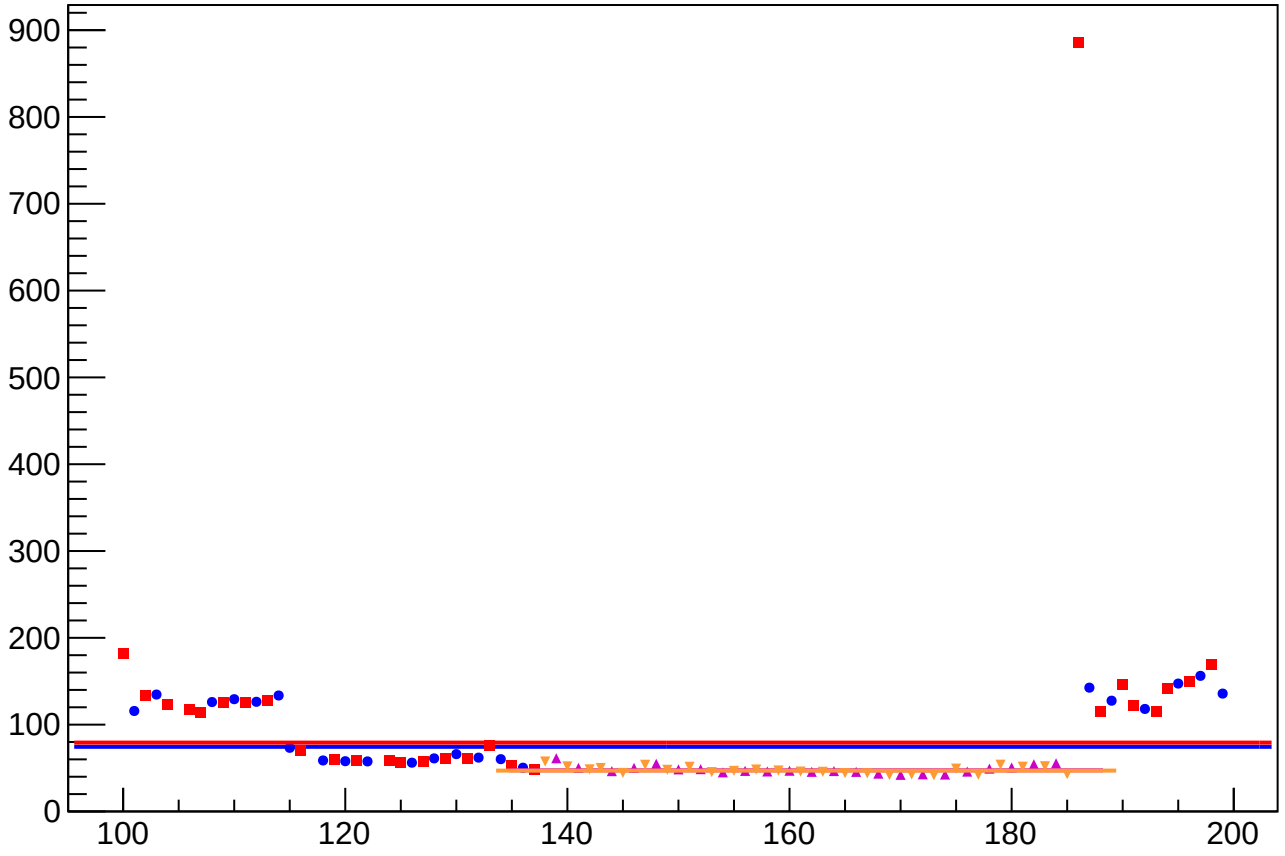
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.975+/-9.826 χ^2/NDF: 53.7/46

All: -14.902+/-7.061 χ^2/NDF: 126.5/96

- sign -45.737+/-10.153 χ^2/NDF: 54.9/49

reg_asym_sam_1526_avg_rms vs Slug



Right In: 74.470+/-0.017 χ^2/NDF: 3465662.8/21

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

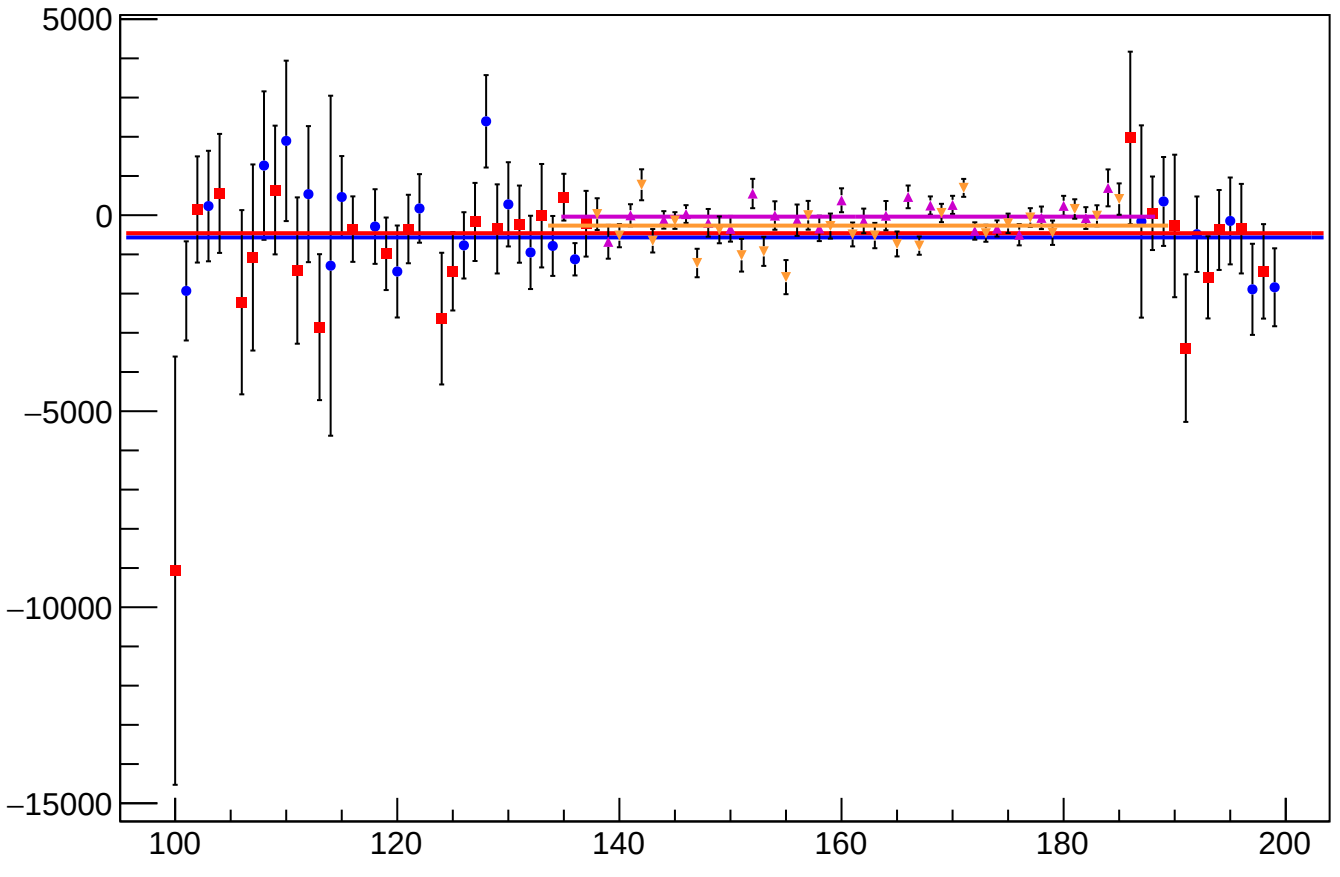
Right Out: 79.329+/-0.017 χ^2/NDF: 4338385.4/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 51.658+/-0.007 χ^2/NDF: 5924346.5/46

All: 52.227+/-0.005 χ^2/NDF: 13349343.9/96

- sign 52.834+/-0.007 χ^2/NDF: 7411146.7/49



Right In: -567.175+/-211.272 χ^2/NDF: 19.5/21

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -459.238+/-221.036 χ^2/NDF: 17.6/26

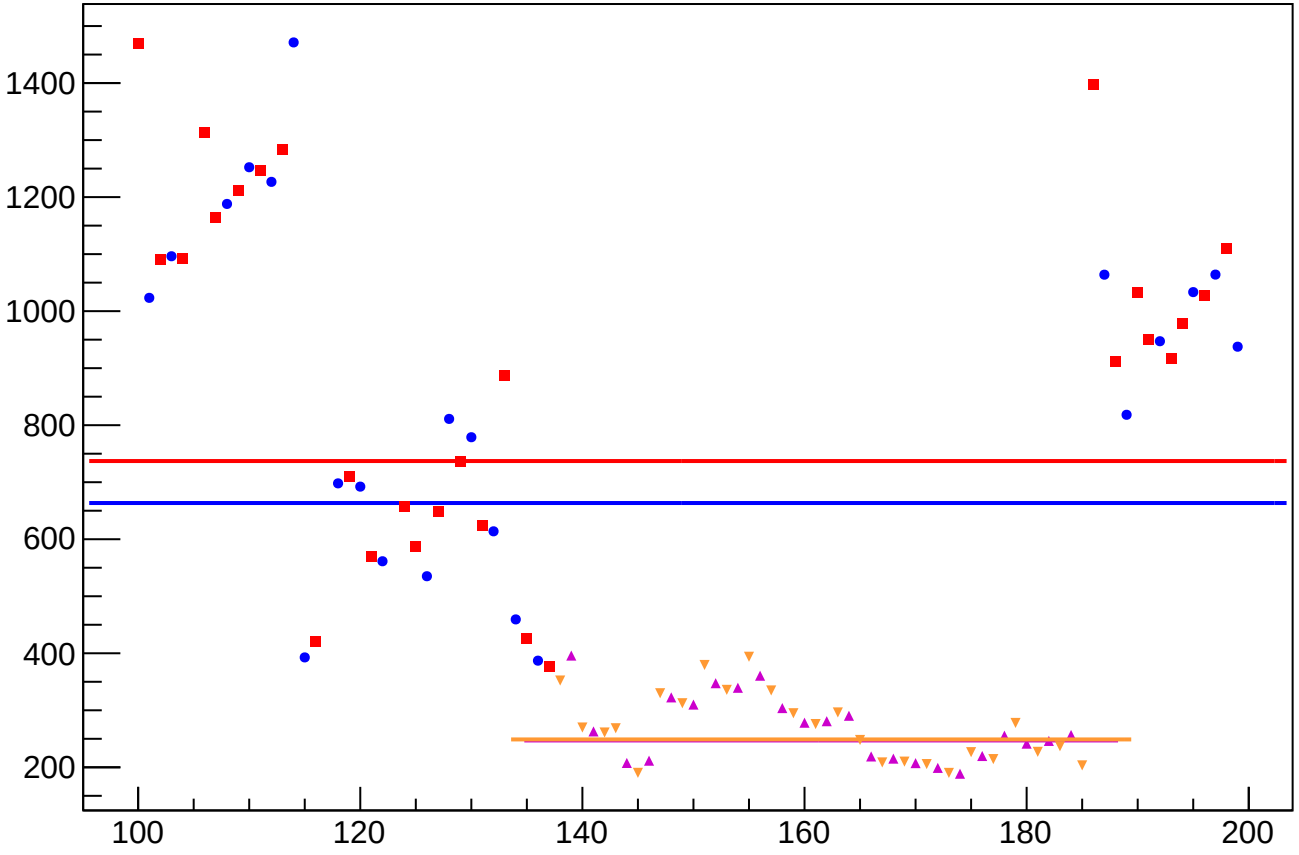
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -286.834+/-55.959 χ^2/NDF: 91.2/46

All: -178.602+/-39.983 χ^2/NDF: 146.4/96

- sign -65.719+/-57.148 χ^2/NDF: 47.6/49

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 663.507+/-0.149 χ^2/NDF: 3140981.0/21

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 737.129+/-0.156 χ^2/NDF: 3167816.5/26

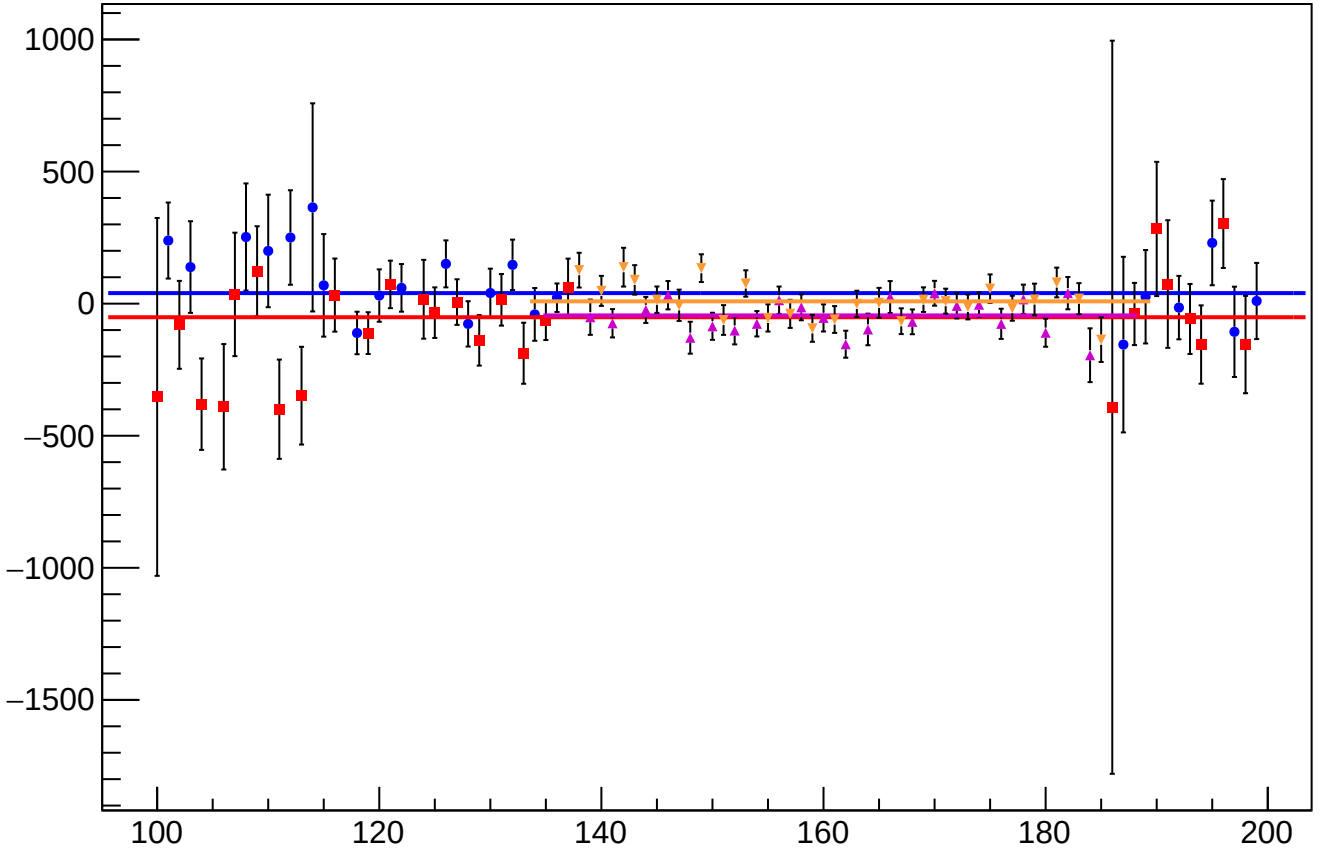
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 277.978+/-0.040 χ^2/NDF: 11966909.7/46

All: 278.902+/-0.028 χ^2/NDF: 25792749.9/96

- sign 279.865+/-0.040 χ^2/NDF: 13824726.5/49

cor_asym_sam_1526_avg_mean vs Slug



Right In: 39.885+/-23.998 χ^2/NDF: 17.7/21

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -51.424+/-24.581 χ^2/NDF: 27.7/26

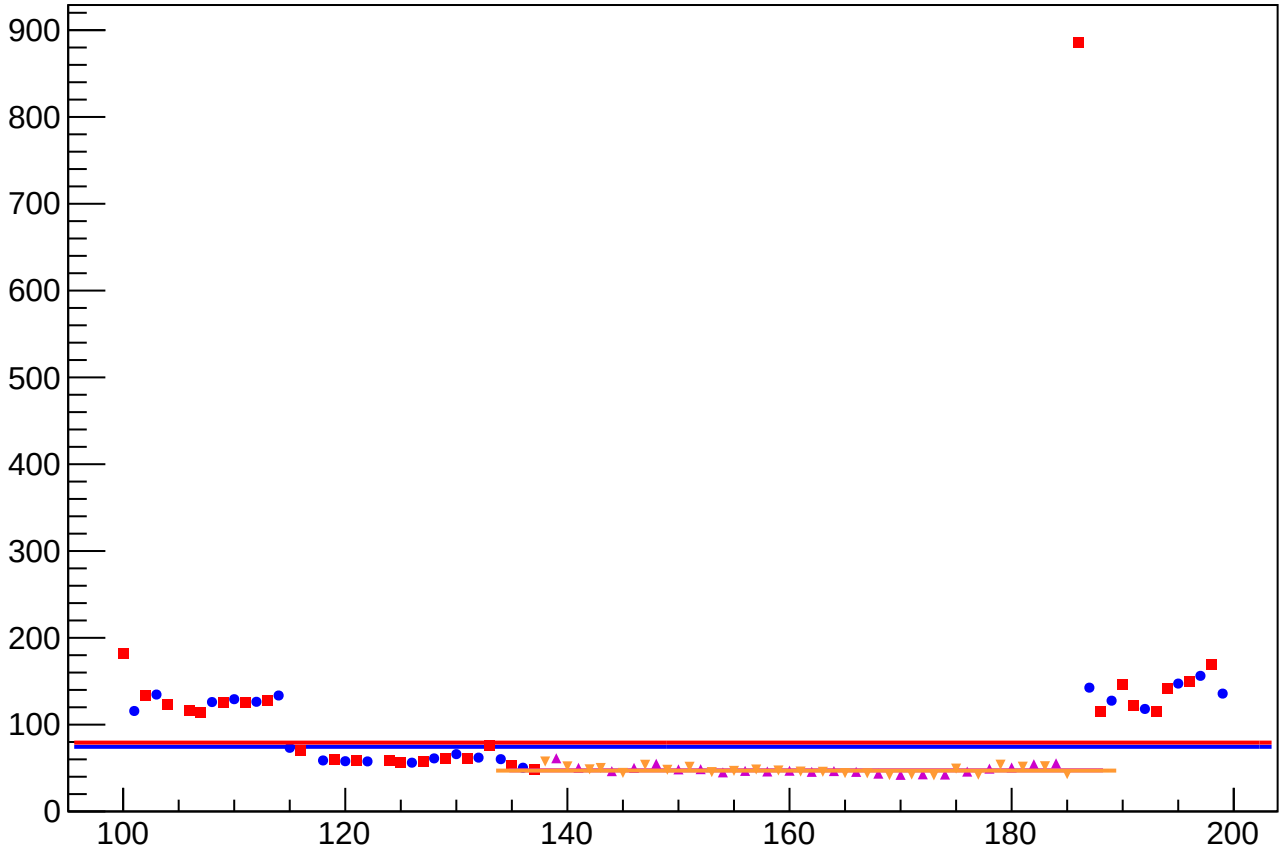
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.976+/-9.826 χ^2/NDF: 53.7/46

All: -14.891+/-7.061 χ^2/NDF: 126.4/96

- sign -45.715+/-10.153 χ^2/NDF: 54.8/49

cor_asym_sam_1526_avg_rms vs Slug



Right In: 74.470+/-0.017 χ^2/NDF: 3465665.1/21

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

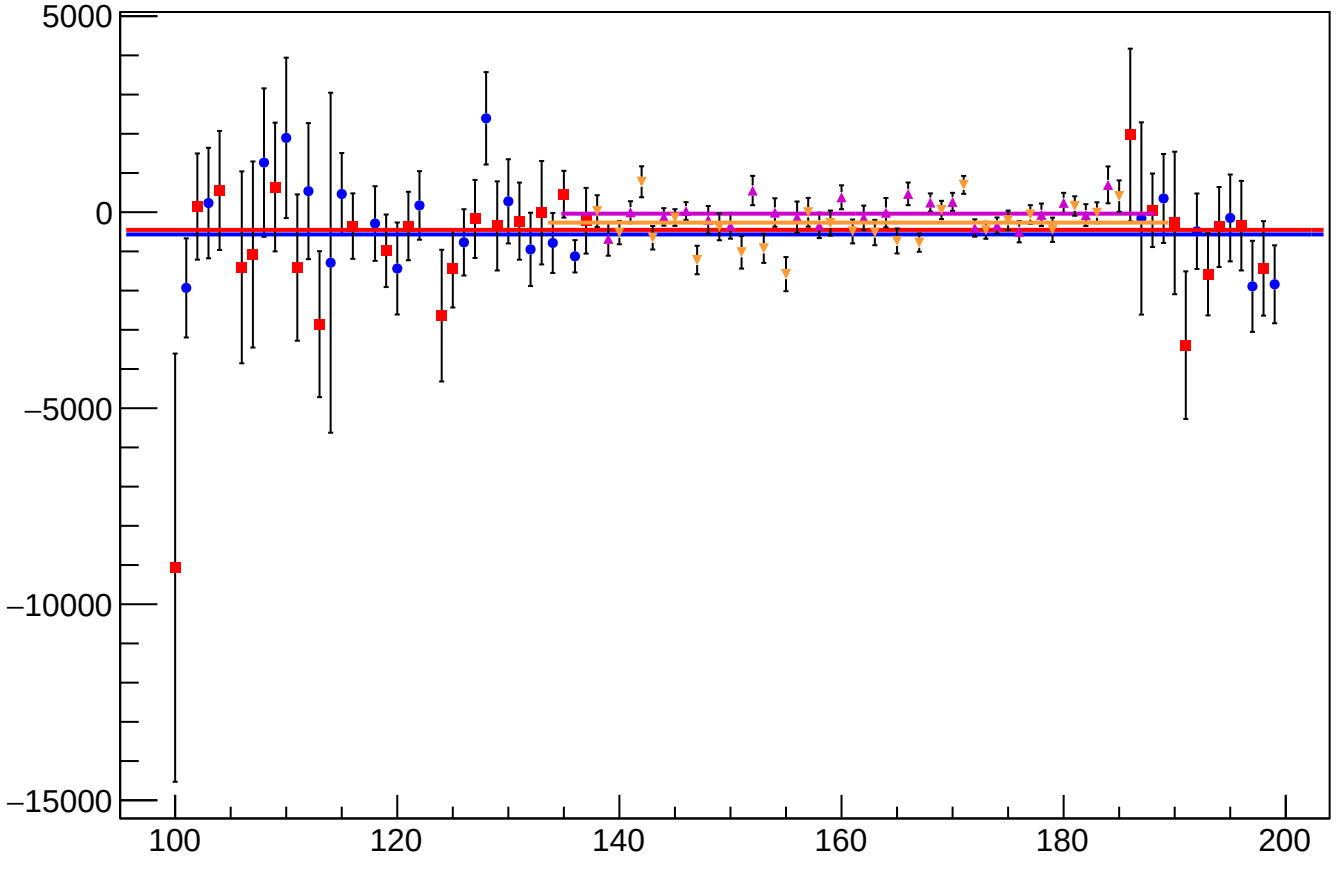
Right Out: 79.318+/-0.017 χ^2/NDF: 4335876.2/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 51.658+/-0.007 χ^2/NDF: 5924348.5/46

All: 52.226+/-0.005 χ^2/NDF: 13344651.1/96

- sign 52.832+/-0.007 χ^2/NDF: 7406503.4/49



Right In: -567.163+/-211.273 χ^2/NDF: 19.5/21

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -451.453+/-221.117 χ^2/NDF: 17.2/26

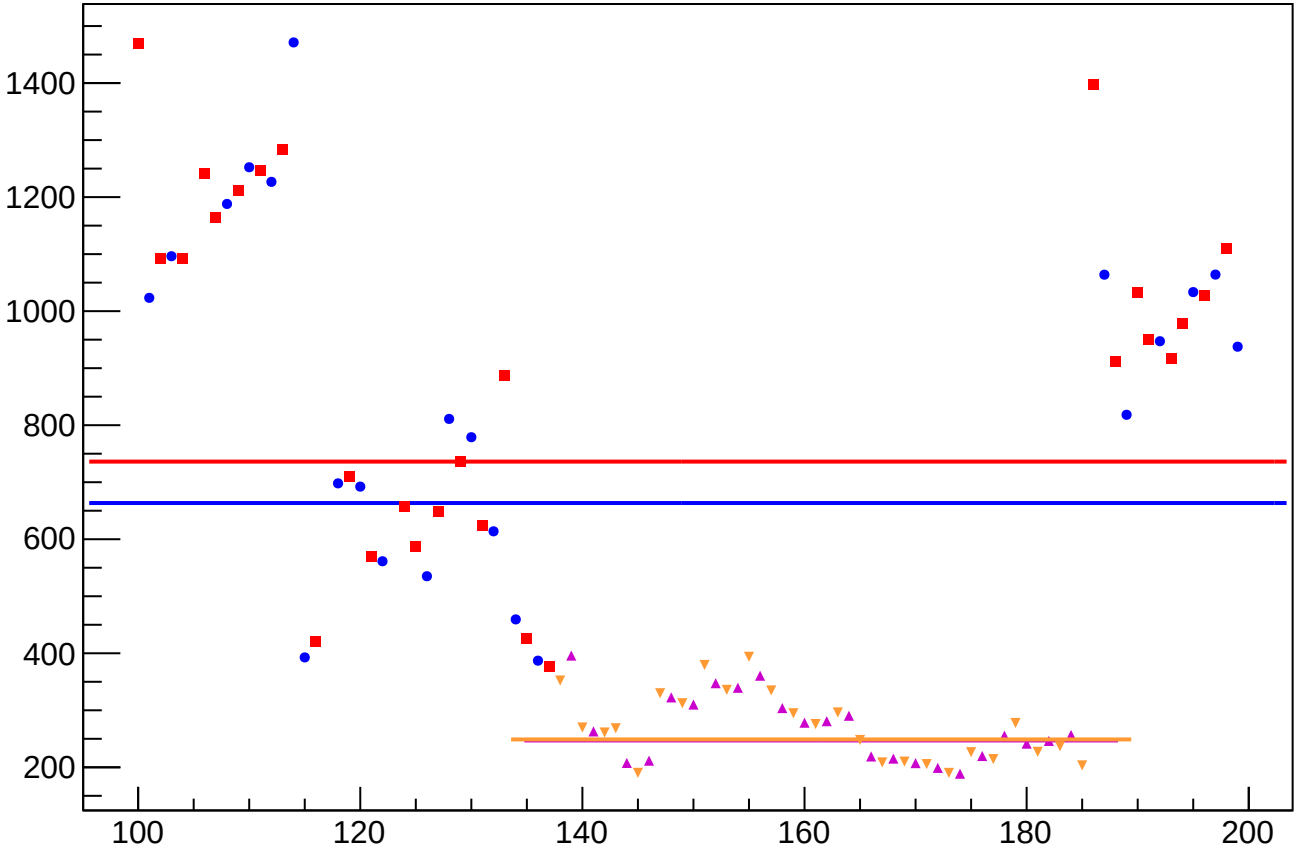
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -286.830+/-55.959 χ^2/NDF: 91.2/46

All: -178.337+/-39.983 χ^2/NDF: 145.9/96

- sign -65.177+/-57.149 χ^2/NDF: 47.1/49

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 663.507+/-0.149 χ^2/NDF: 3141019.4/21

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 736.148+/-0.156 χ^2/NDF: 3132796.2/26

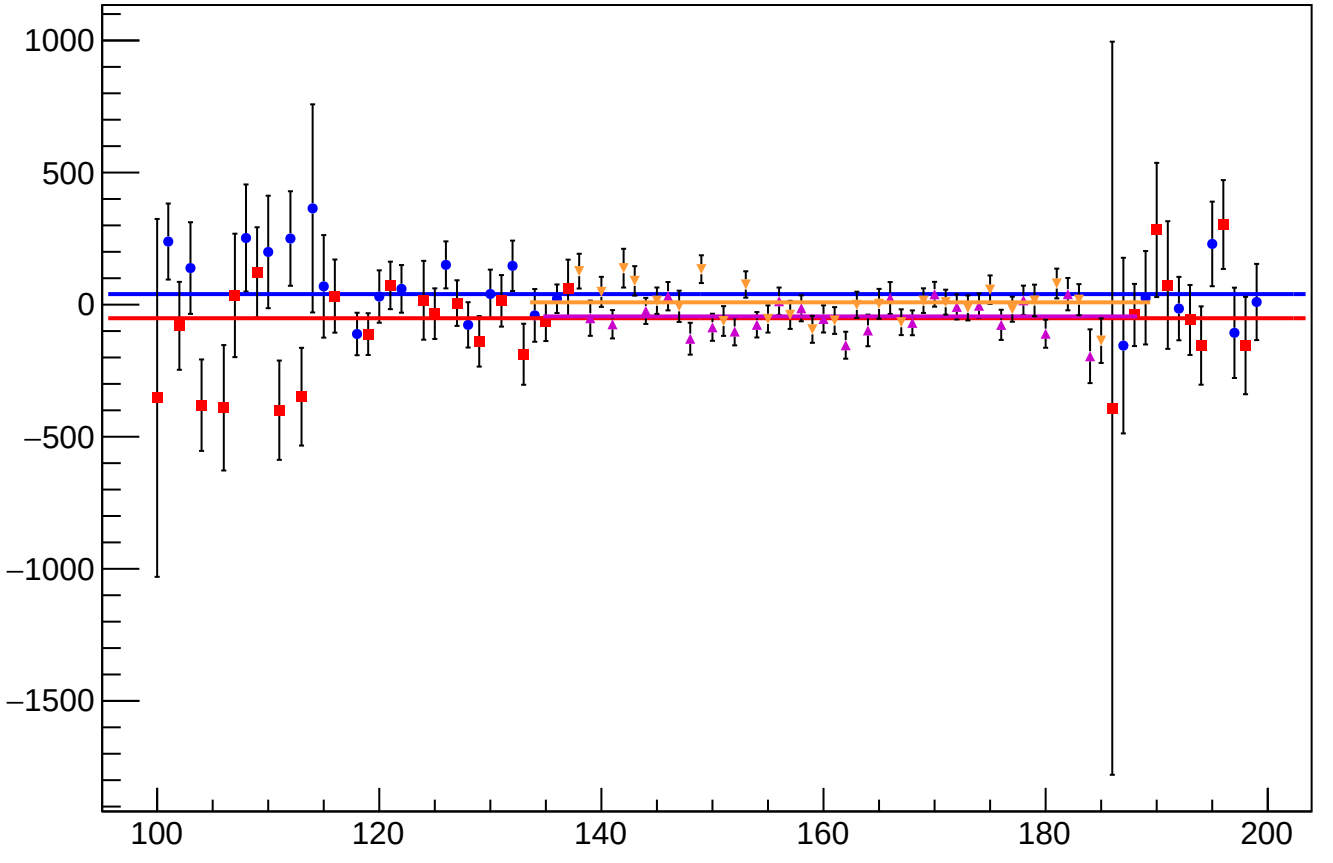
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 277.977+/-0.040 χ^2/NDF: 11966944.5/46

All: 278.858+/-0.028 χ^2/NDF: 25714717.9/96

- sign 279.777+/-0.040 χ^2/NDF: 13746760.6/49

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 39.885+/-23.998 χ^2/NDF: 17.7/21

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -51.424+/-24.581 χ^2/NDF: 27.7/26

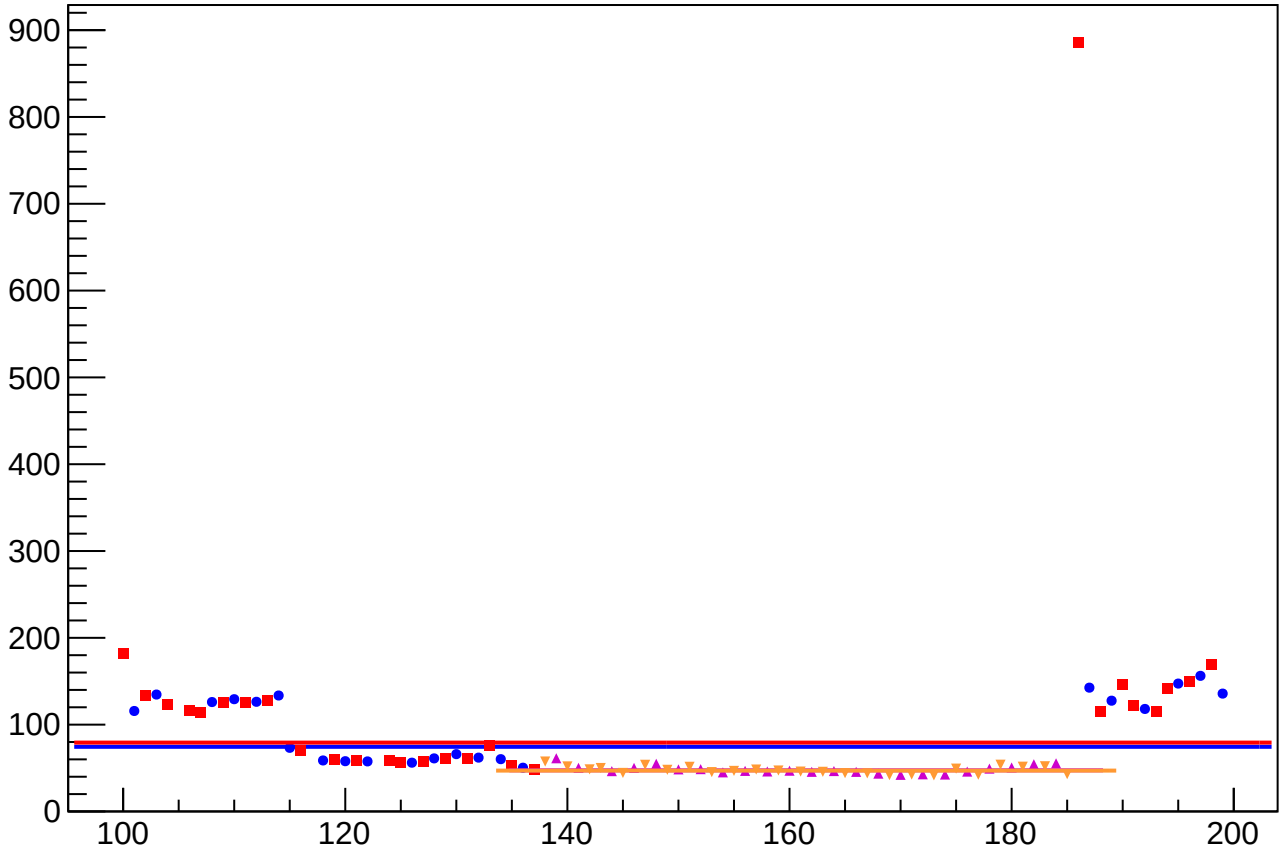
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.976+/-9.826 χ^2/NDF: 53.7/46

All: -14.891+/-7.061 χ^2/NDF: 126.4/96

- sign -45.715+/-10.153 χ^2/NDF: 54.8/49

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 74.470+/-0.017 χ^2/NDF: 3465665.1/21

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

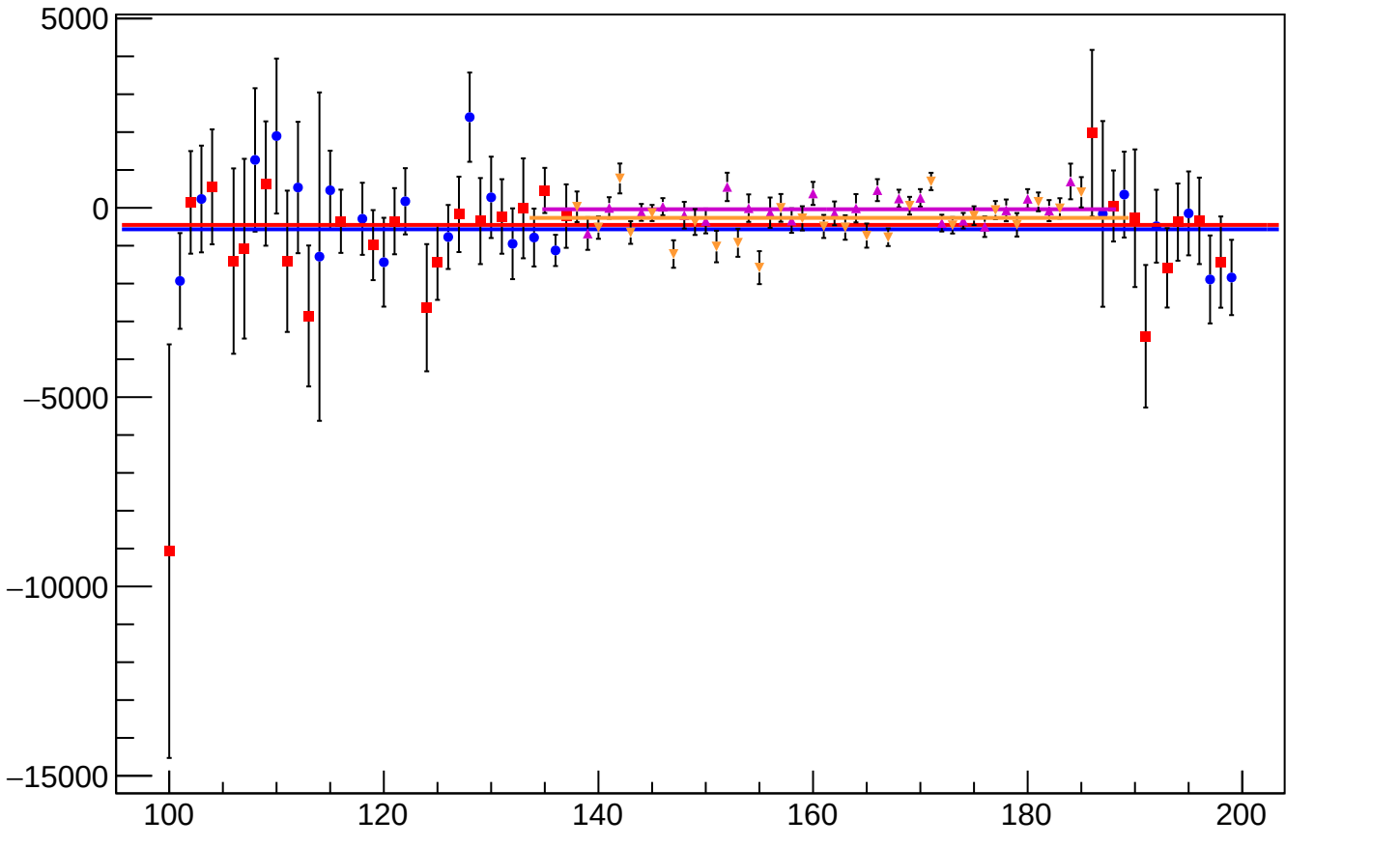
Right Out: 79.318+/-0.017 χ^2/NDF: 4335876.2/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 51.658+/-0.007 χ^2/NDF: 5924348.5/46

All: 52.226+/-0.005 χ^2/NDF: 13344651.1/96

- sign 52.832+/-0.007 χ^2/NDF: 7406503.4/49



Right In: -567.163+/-211.273 χ^2/NDF: 19.5/21

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

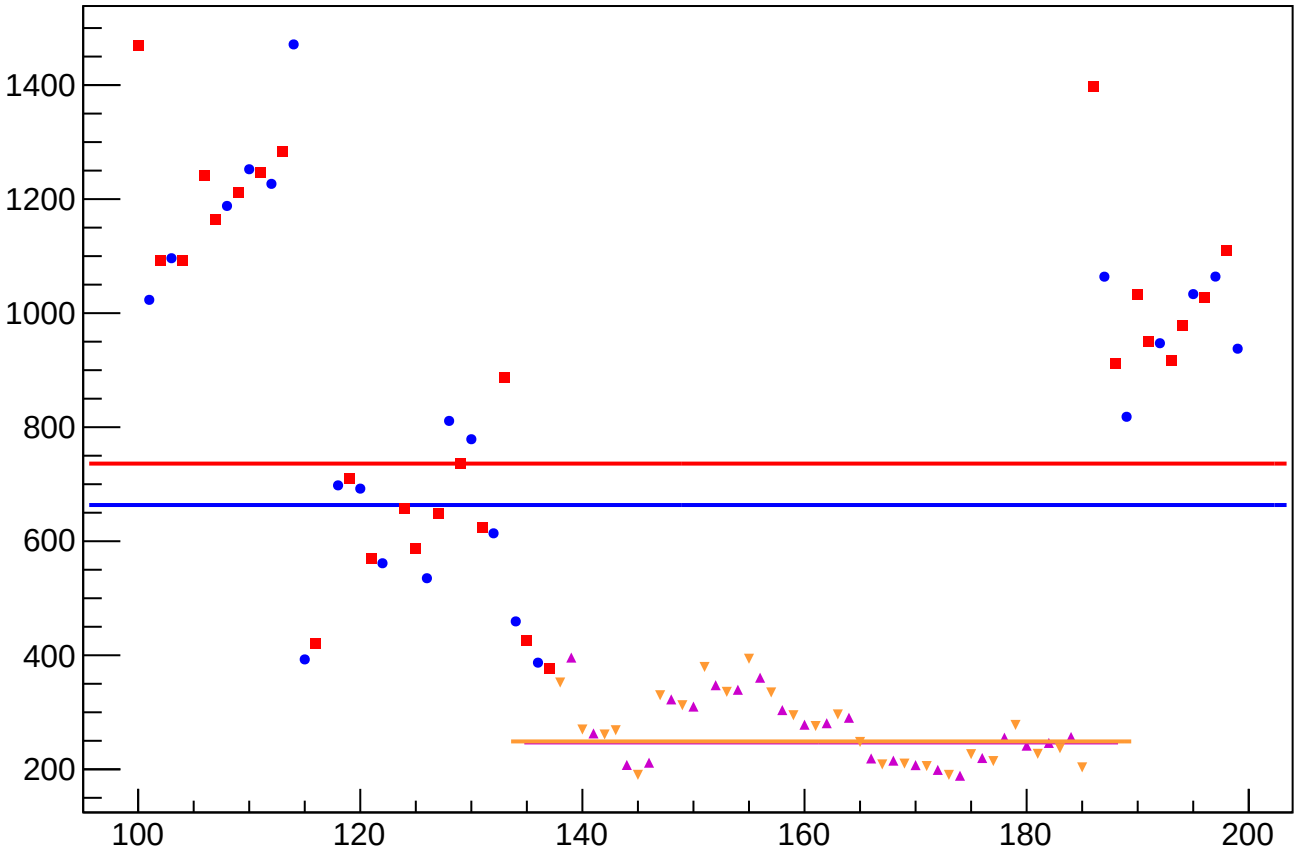
Right Out: -451.453+/-221.117 χ^2/NDF: 17.2/26

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -286.830+/-55.959 χ^2/NDF: 91.2/46

All: -178.337+/-39.983 χ^2/NDF: 145.9/96

- sign -65.177+/-57.149 χ^2/NDF: 47.1/49



Right In: 663.507+/-0.149 χ^2/NDF: 3141019.4/21

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 736.148+/-0.156 χ^2/NDF: 3132796.2/26

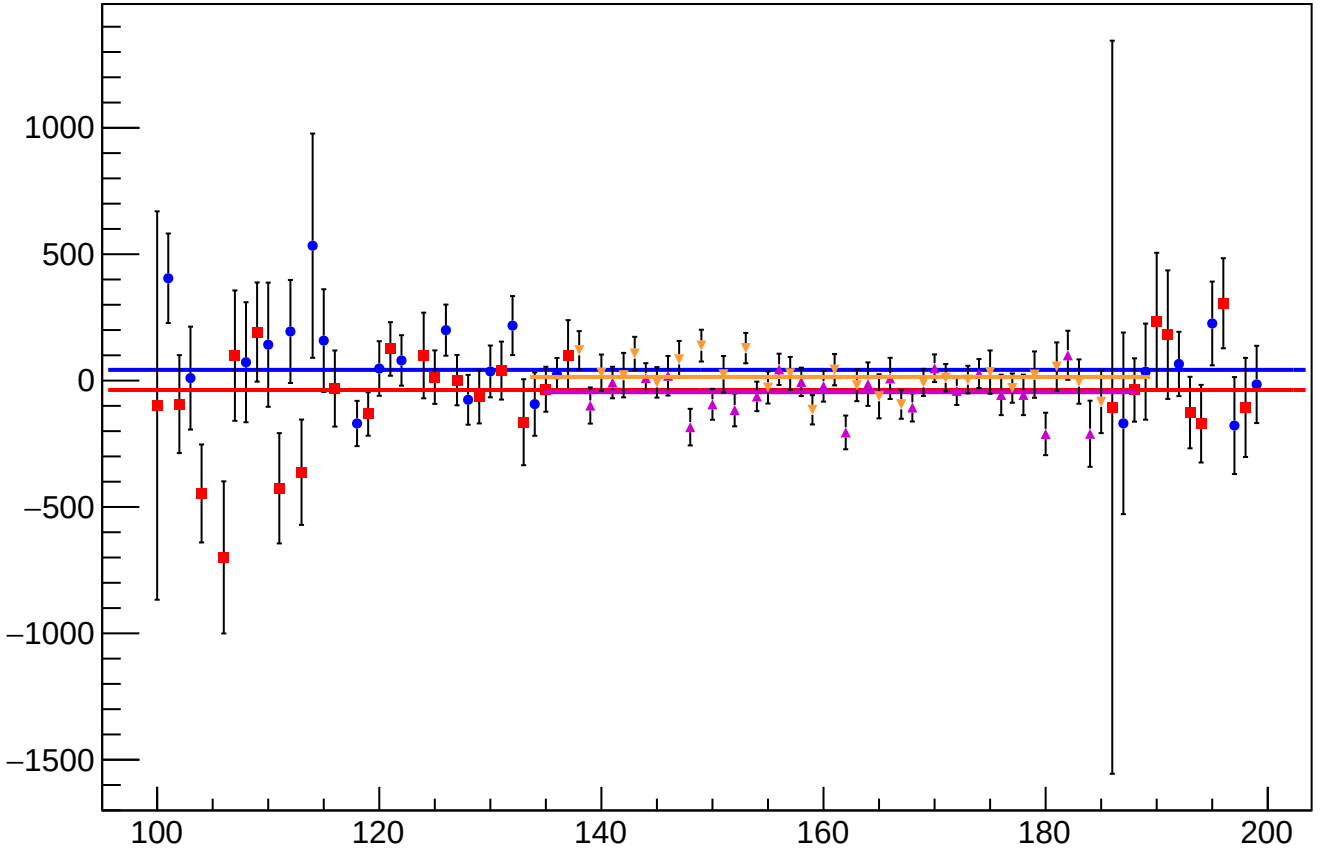
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 277.977+/-0.040 χ^2/NDF: 11966944.5/46

All: 278.858+/-0.028 χ^2/NDF: 25714717.9/96

- sign 279.777+/-0.040 χ^2/NDF: 13746760.6/49

dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.451+/-27.508 χ^2/NDF: 22.7/21

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -37.145+/-28.093 χ^2/NDF: 30.0/26

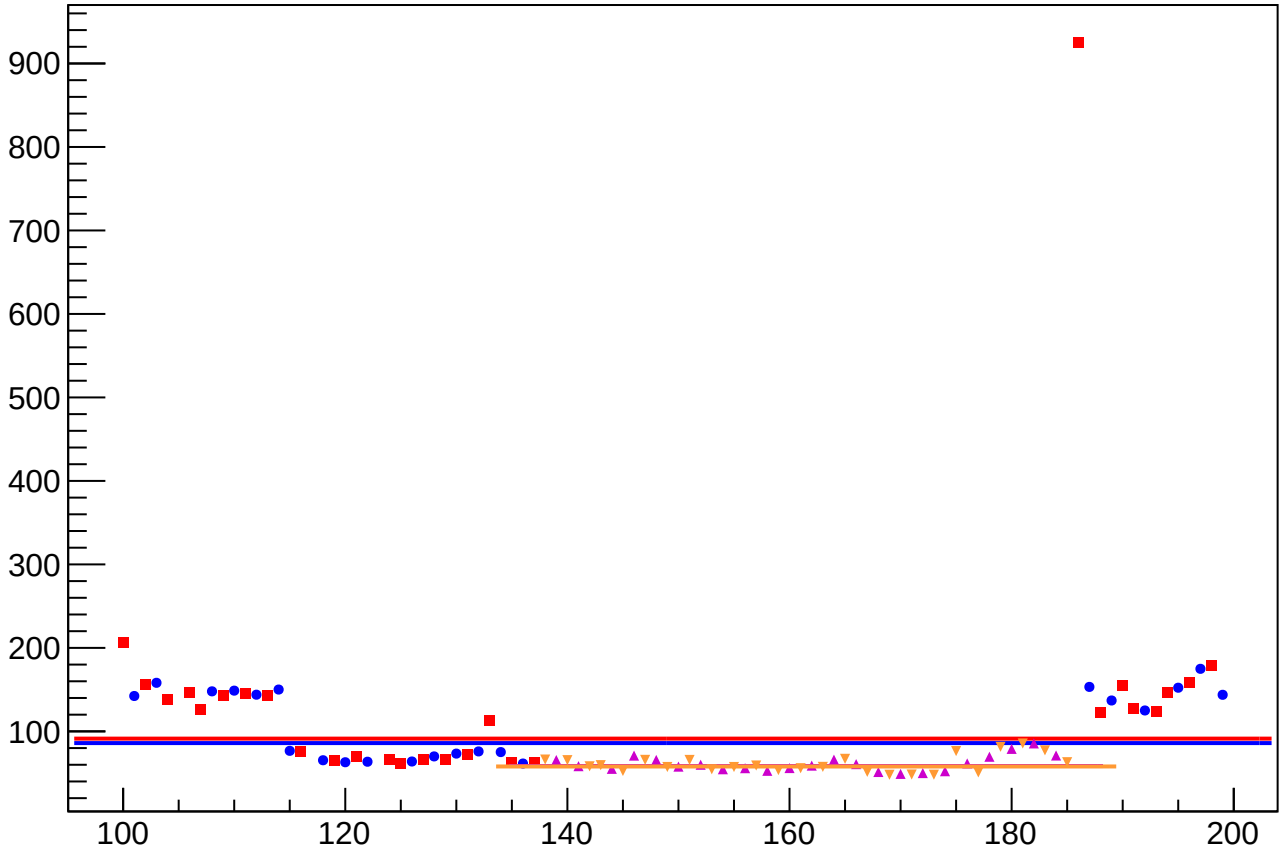
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 19.894+/-12.086 χ^2/NDF: 48.1/46

All: -11.073+/-8.682 χ^2/NDF: 122.5/96

- sign -44.097+/-12.481 χ^2/NDF: 60.8/49

dit_asym_sam_1526_avg_rms vs Slug



Right In: 85.970+/-0.019 χ^2/NDF: 3148024.0/21

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 91.313+/-0.020 χ^2/NDF: 3952881.6/26

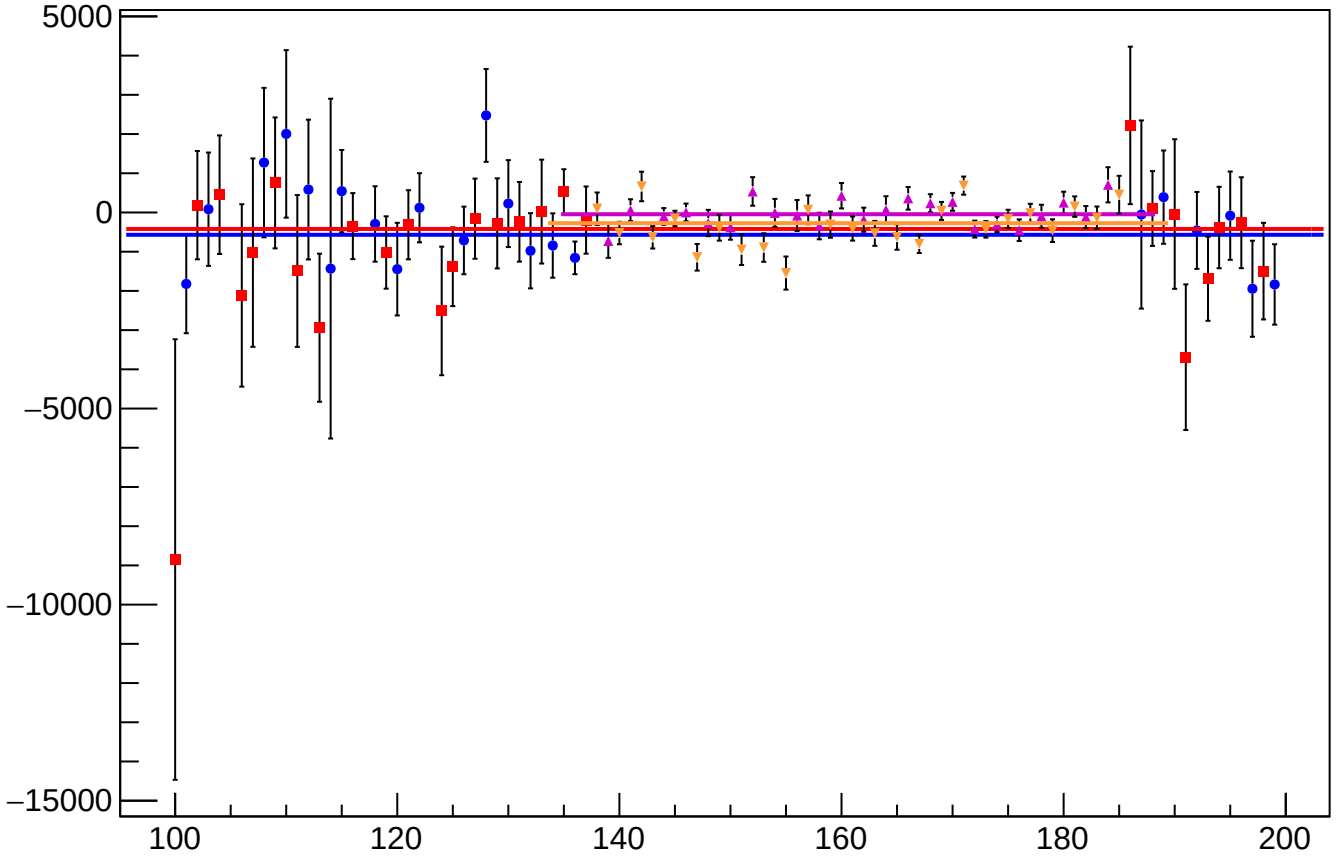
Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 63.371+/-0.009 χ^2/NDF: 5717744.3/46

All: 64.140+/-0.006 χ^2/NDF: 12530117.2/96

- sign 64.960+/-0.009 χ^2/NDF: 6795655.3/49

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -568.922+/-215.677 χ^2/NDF: 19.5/21

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -420.755+/-221.953 χ^2/NDF: 19.4/26

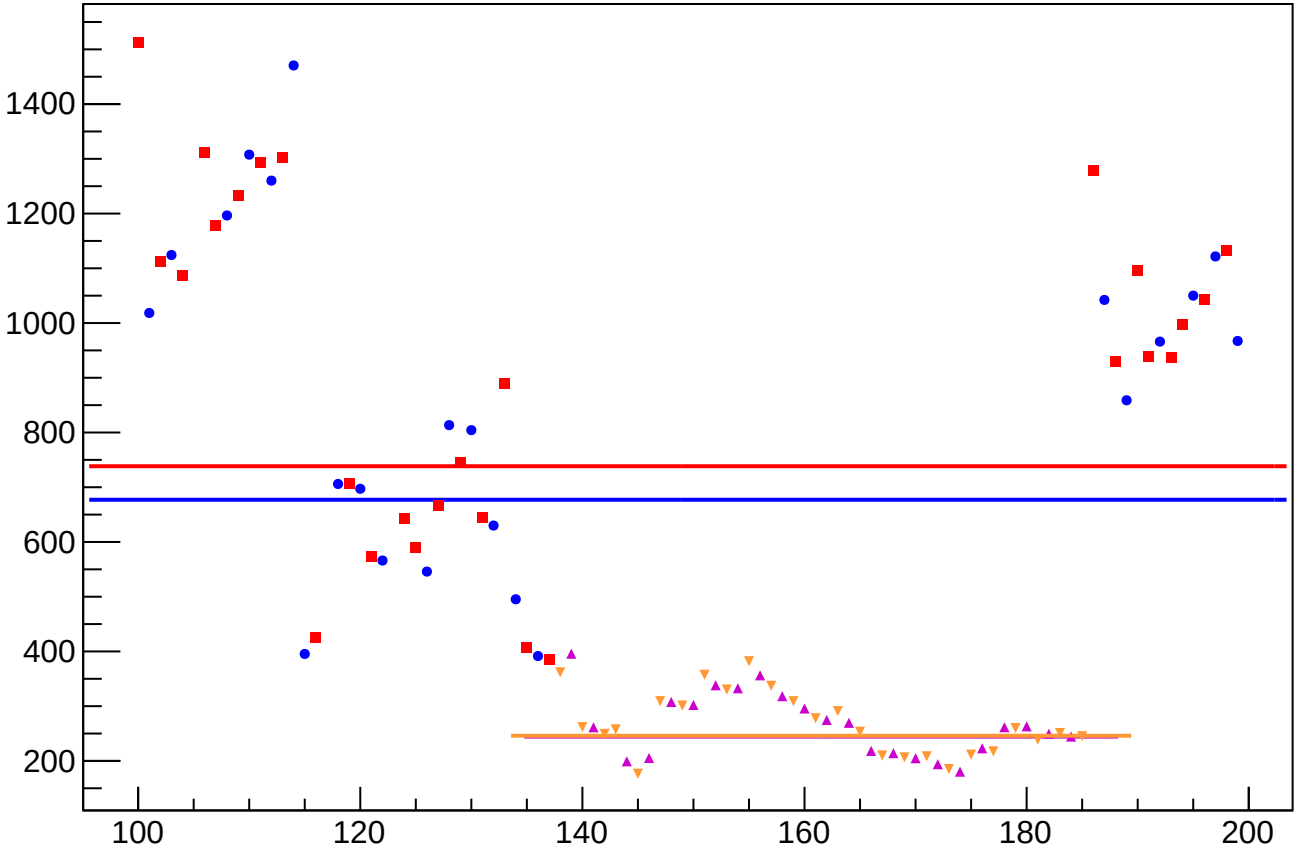
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -292.039+/-55.356 χ^2/NDF: 87.1/46

All: -183.178+/-39.599 χ^2/NDF: 143.5/96

- sign -69.079+/-56.671 χ^2/NDF: 48.6/49

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 677.146+/-0.153 χ^2/NDF: 3172091.4/21

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 738.384+/-0.157 χ^2/NDF: 3317886.6/26

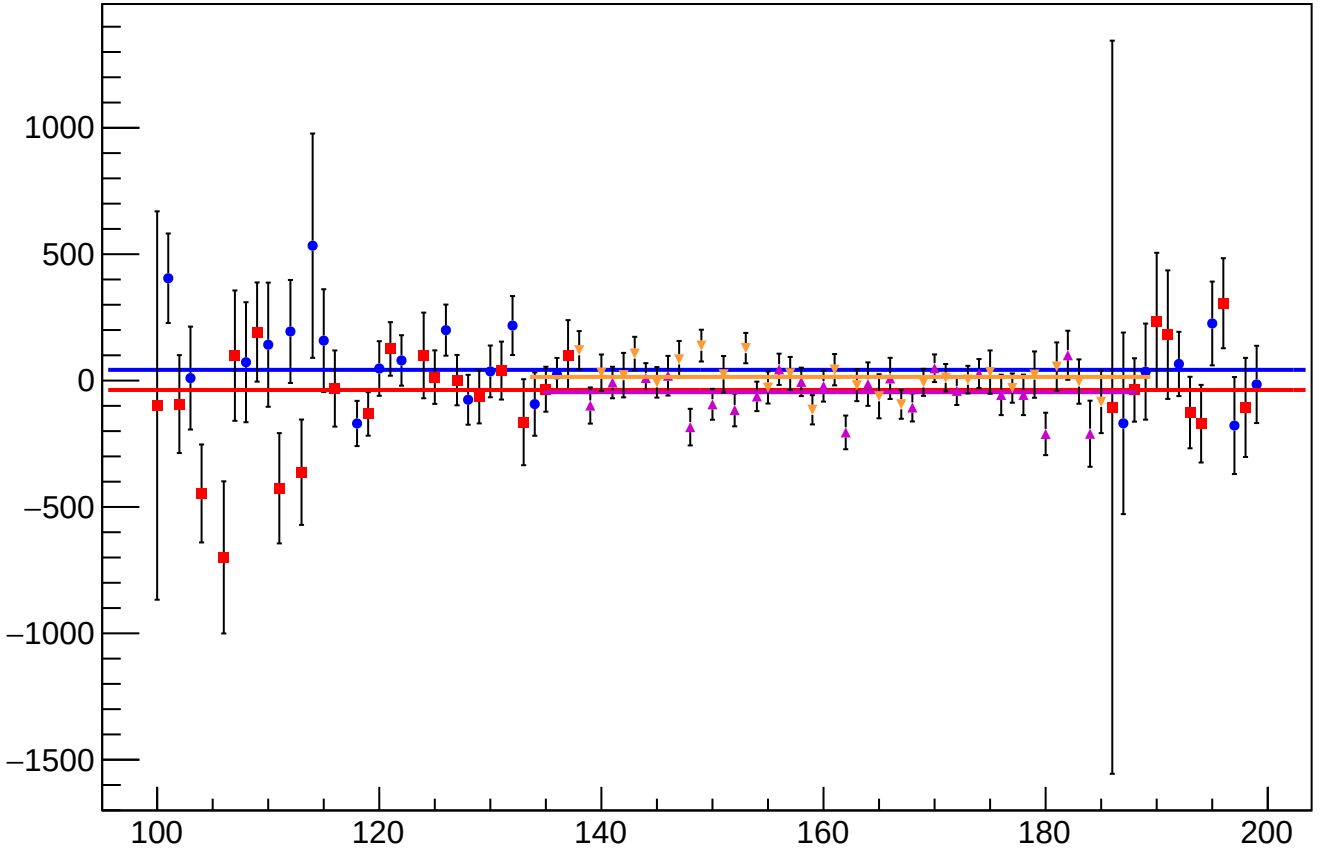
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 274.417+/-0.039 χ^2/NDF: 12317855.5/46

All: 275.508+/-0.028 χ^2/NDF: 26493403.3/96

- sign 276.651+/-0.040 χ^2/NDF: 14173956.4/49

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.452+/-27.508 χ^2/NDF: 22.7/21

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -37.145+/-28.093 χ^2/NDF: 30.0/26

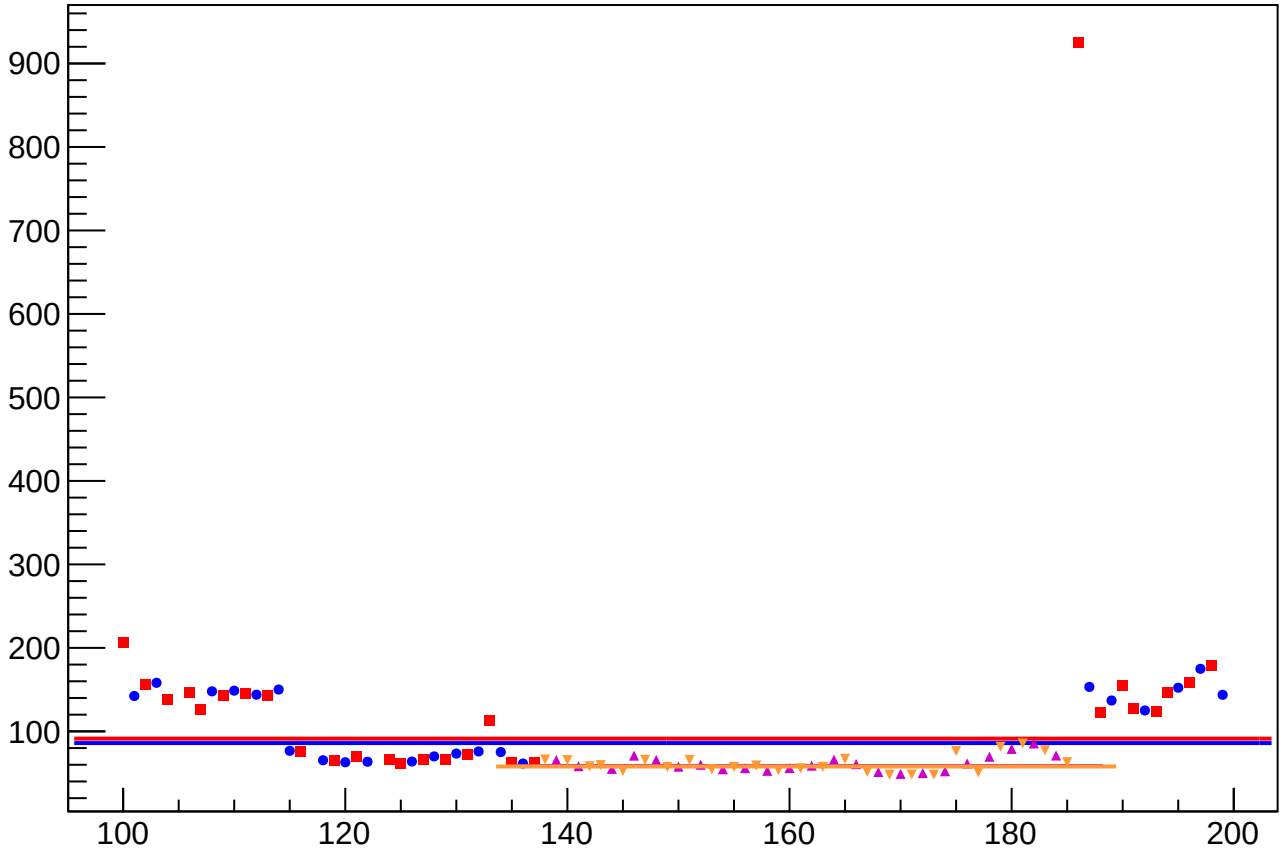
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 19.894+/-12.086 χ^2/NDF: 48.1/46

All: -11.073+/-8.682 χ^2/NDF: 122.5/96

- sign -44.096+/-12.481 χ^2/NDF: 60.8/49

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 85.970+/-0.019 χ^2/NDF: 3148022.4/21

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

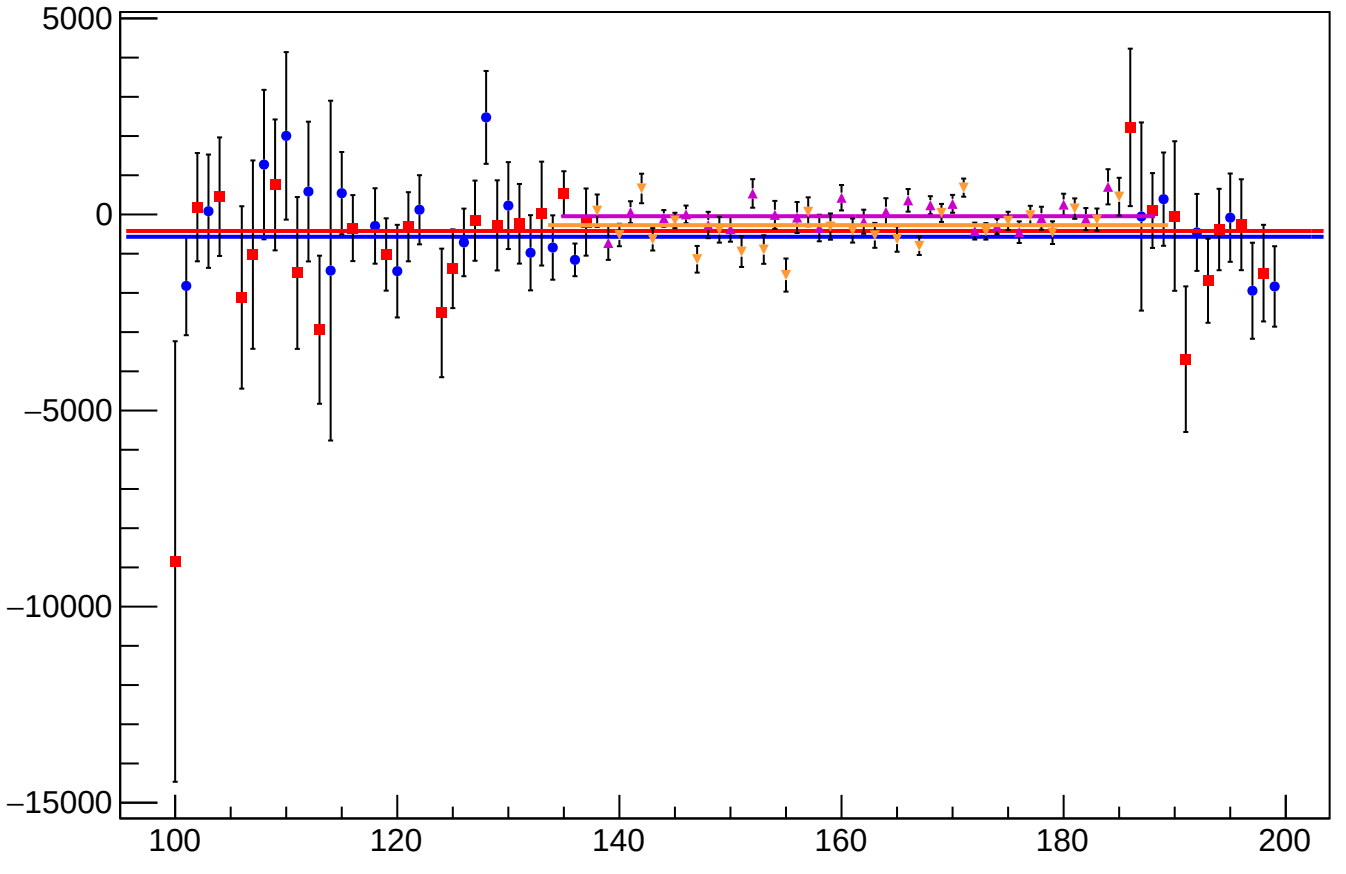
Right Out: 91.313+/-0.020 χ^2/NDF: 3952887.4/26

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 63.372+/-0.009 χ^2/NDF: 5717705.5/46

All: 64.140+/-0.006 χ^2/NDF: 12530022.4/96

- sign 64.960+/-0.009 χ^2/NDF: 6795597.8/49



Right In: -568.920+/-215.677 χ^2/NDF: 19.5/21

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

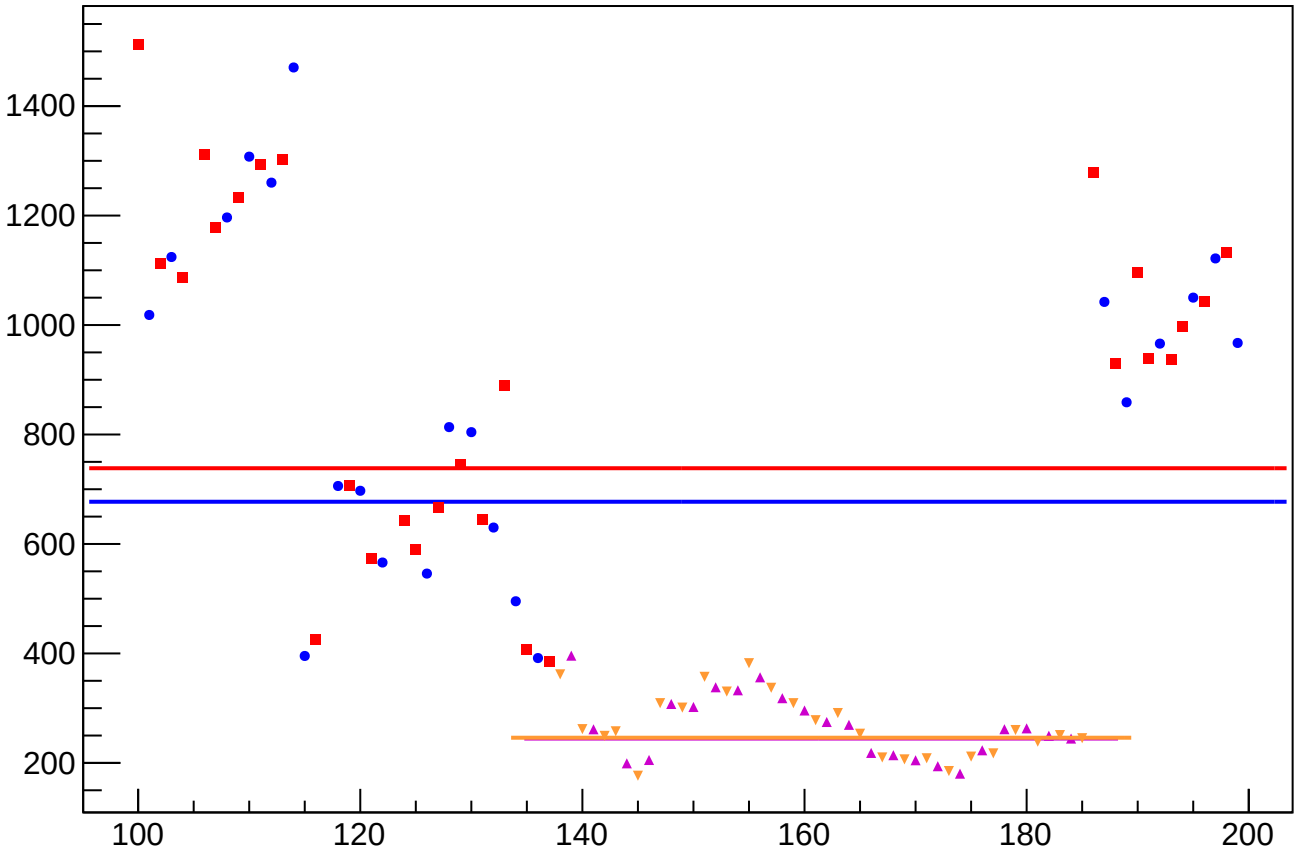
Right Out: -420.756+/-221.953 χ^2/NDF: 19.4/26

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -292.038+/-55.355 χ^2/NDF: 87.1/46

All: -183.177+/-39.599 χ^2/NDF: 143.5/96

- sign -69.078+/-56.671 χ^2/NDF: 48.6/49



Right In: 677.145+/-0.153 χ^2/NDF: 3172075.2/21

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 738.383+/-0.157 χ^2/NDF: 3317869.8/26

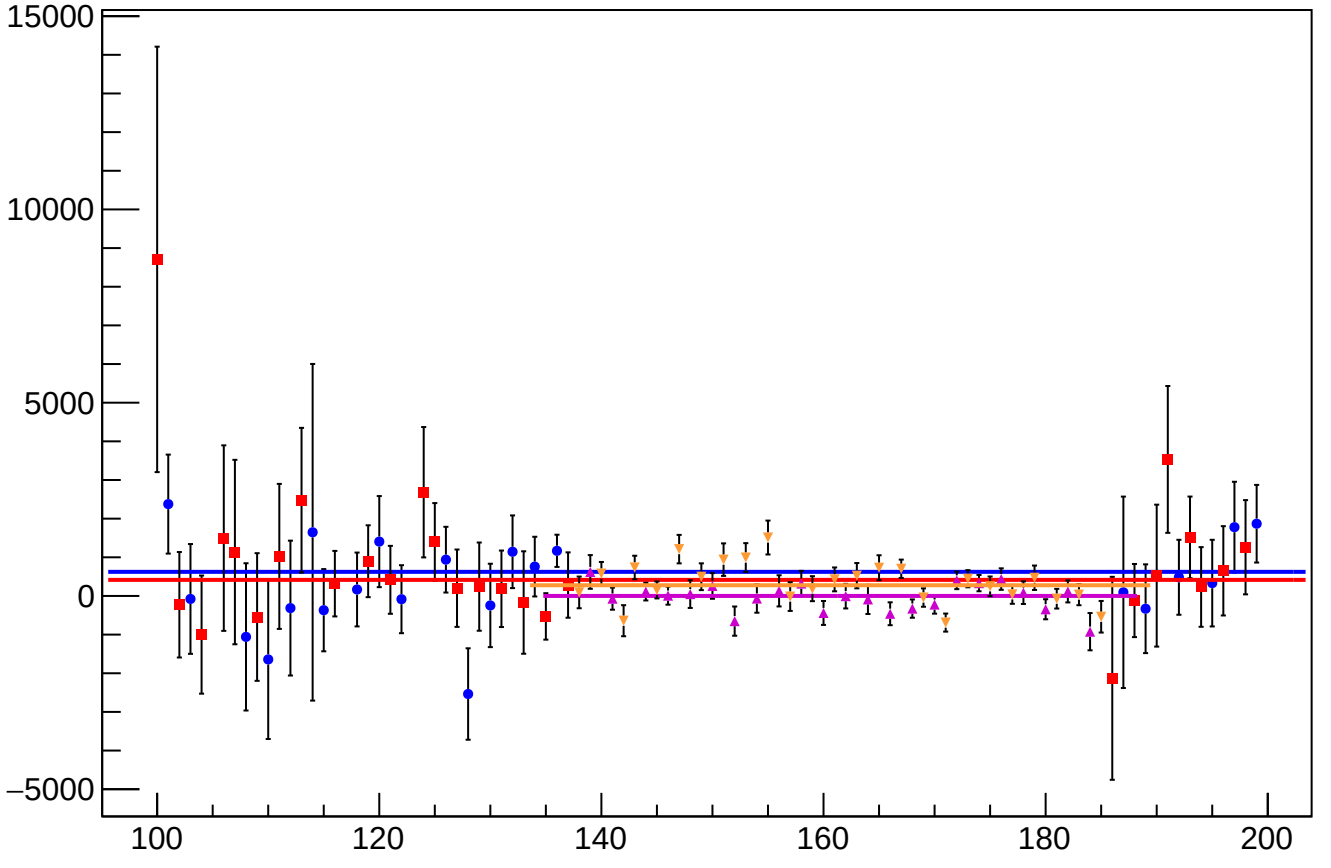
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 274.416+/-0.039 χ^2/NDF: 12317853.8/46

All: 275.507+/-0.028 χ^2/NDF: 26493383.9/96

- sign 276.651+/-0.040 χ^2/NDF: 14173938.3/49

asym_sam_1526_avg_mean vs Slug



Right In: 623.593+/-213.129 χ^2/NDF: 19.9/21

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 415.882+/-223.099 χ^2/NDF: 16.8/26

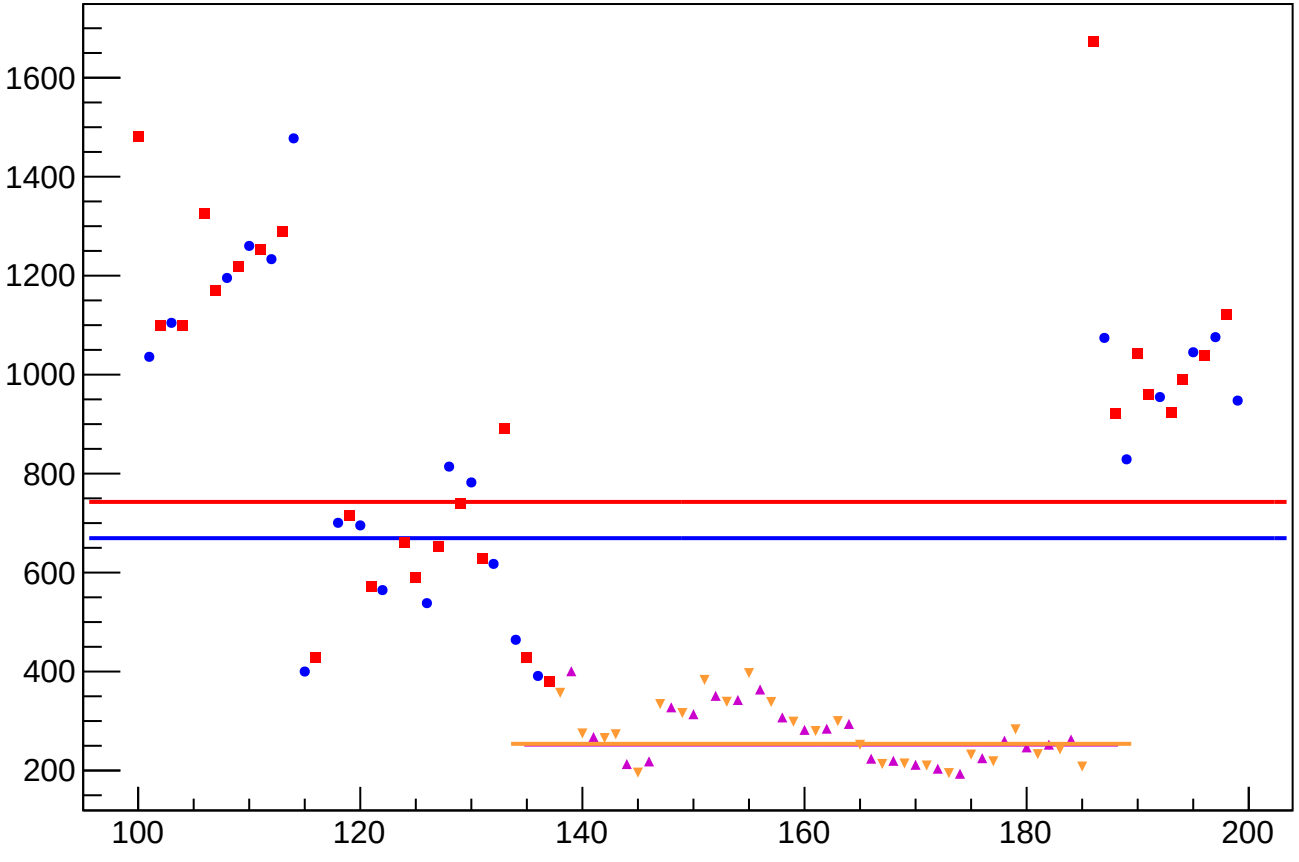
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 301.857+/-56.994 χ^2/NDF: 86.5/46

All: 168.370+/-40.742 χ^2/NDF: 145.8/96

- sign 28.880+/-58.262 χ^2/NDF: 48.1/49

asym_sam_1526_avg_rms vs Slug



Right In: 669.554+/-0.151 χ^2/NDF: 3128526.5/21

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

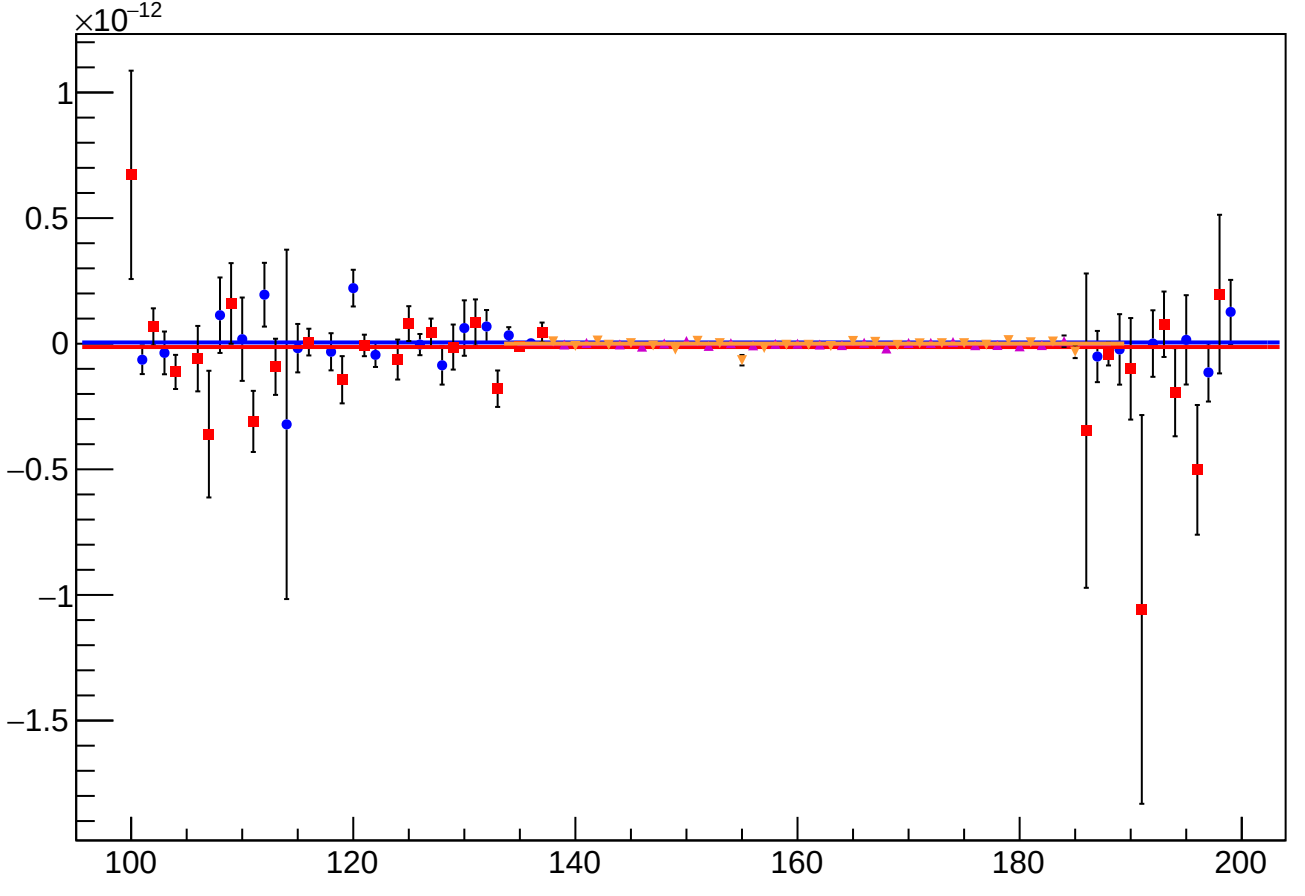
Right Out: 742.796+/-0.158 χ^2/NDF: 3234407.5/26

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 283.674+/-0.040 χ^2/NDF: 11780392.8/46

All: 284.730+/-0.029 χ^2/NDF: 25433073.1/96

- sign 285.835+/-0.041 χ^2/NDF: 13651274.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

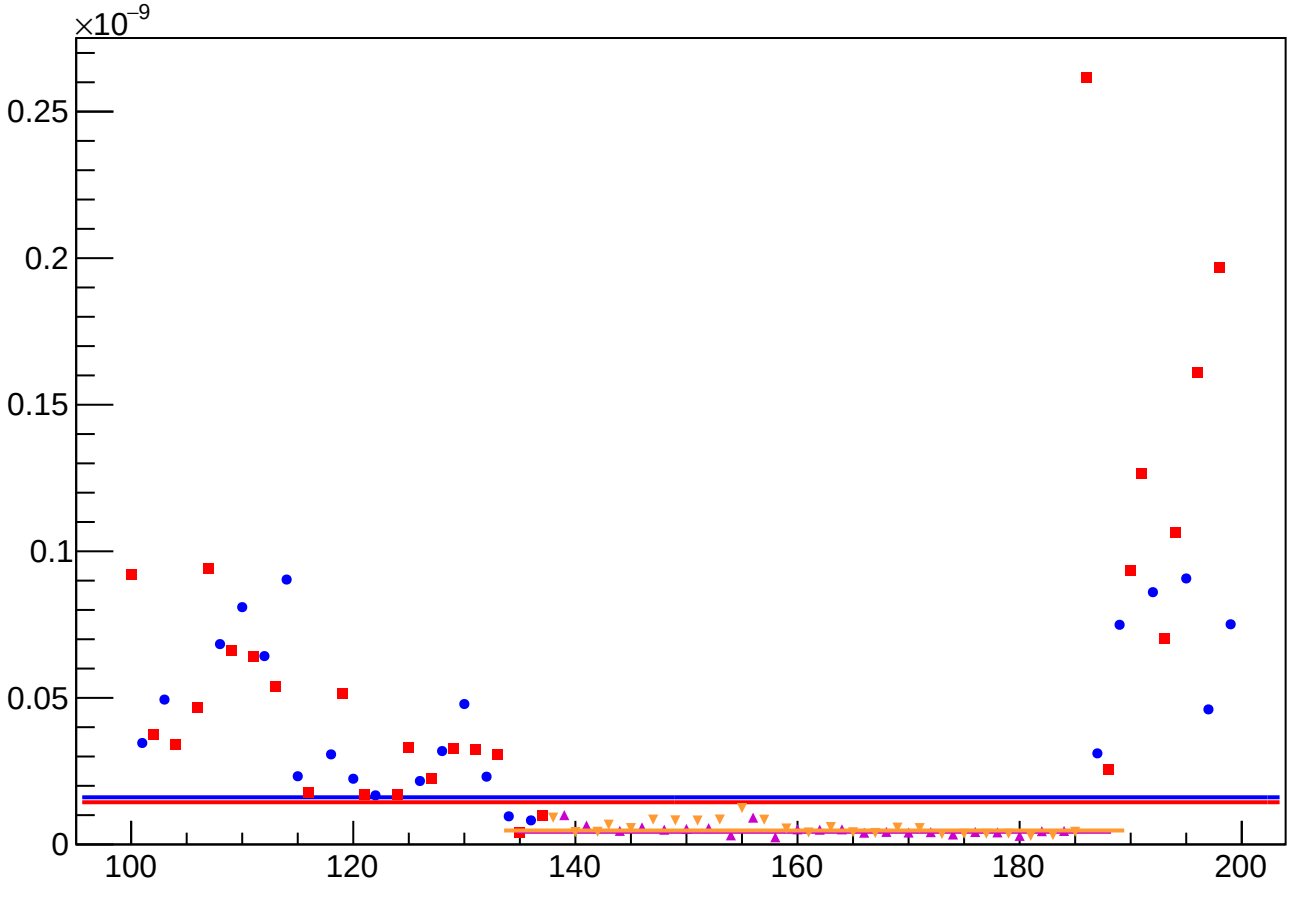
Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/26

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.7/46

All: -0.000+/-0.000 χ^2/NDF: 101.7/96

- sign -0.000+/-0.000 χ^2/NDF: 53.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 4423512.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6561012.9/26

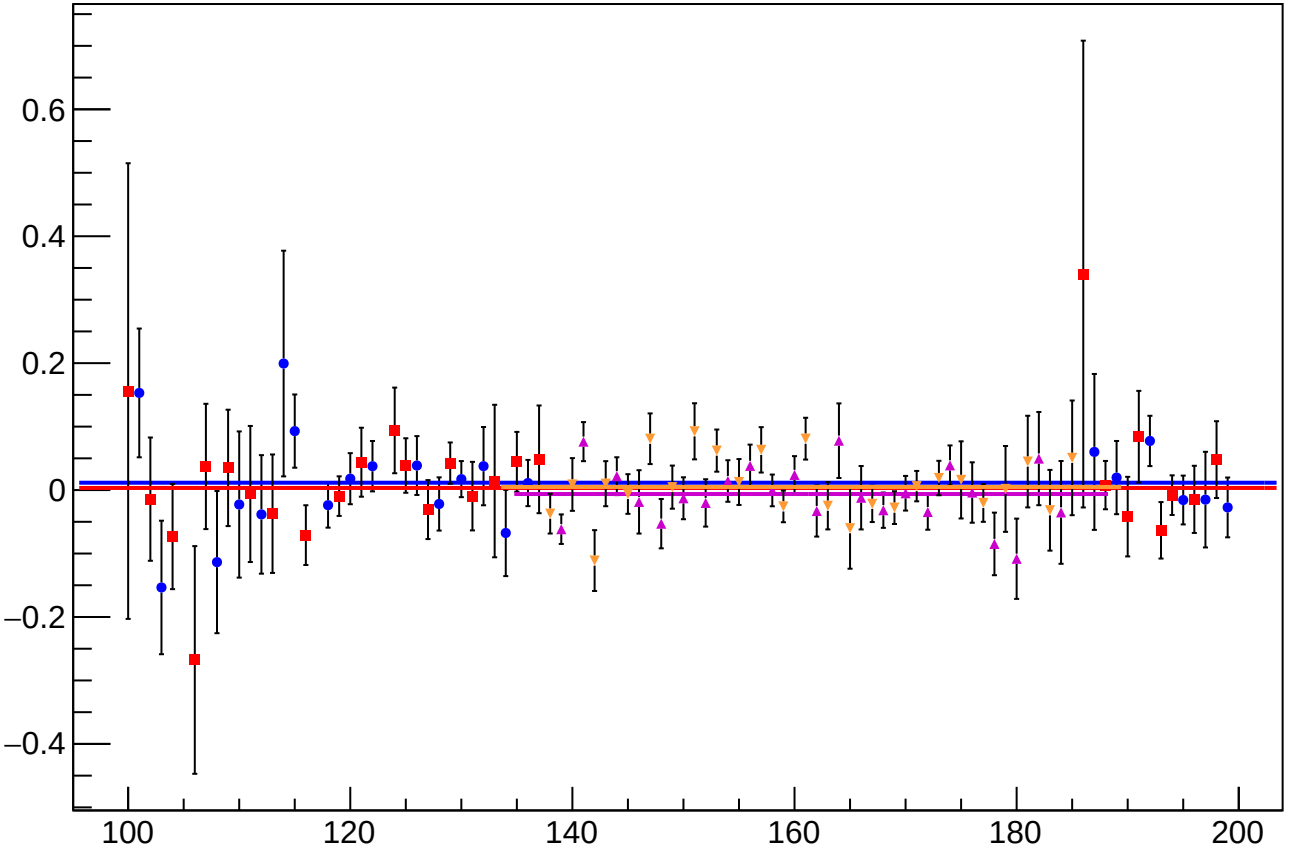
Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8367735.3/46

All: 0.000+/-0.000 χ^2/NDF: 17874374.2/96

- sign 0.000+/-0.000 χ^2/NDF: 9436660.9/49

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.003+/-0.011 χ^2/NDF: 18.3/26

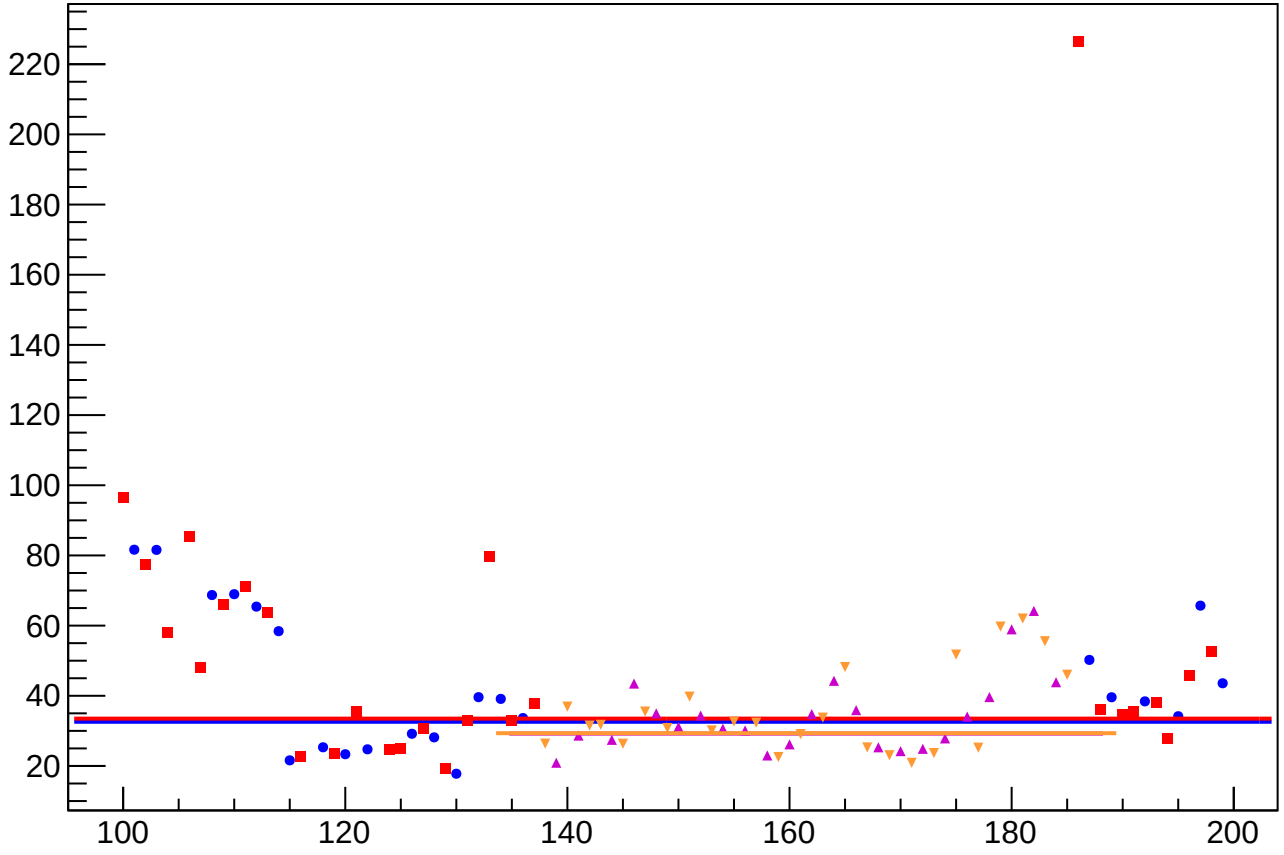
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.6/46

All: 0.002+/-0.004 χ^2/NDF: 102.8/96

- sign -0.003+/-0.006 χ^2/NDF: 49.8/49

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 32.599+/-0.008 χ^2/NDF: 3170755.1/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

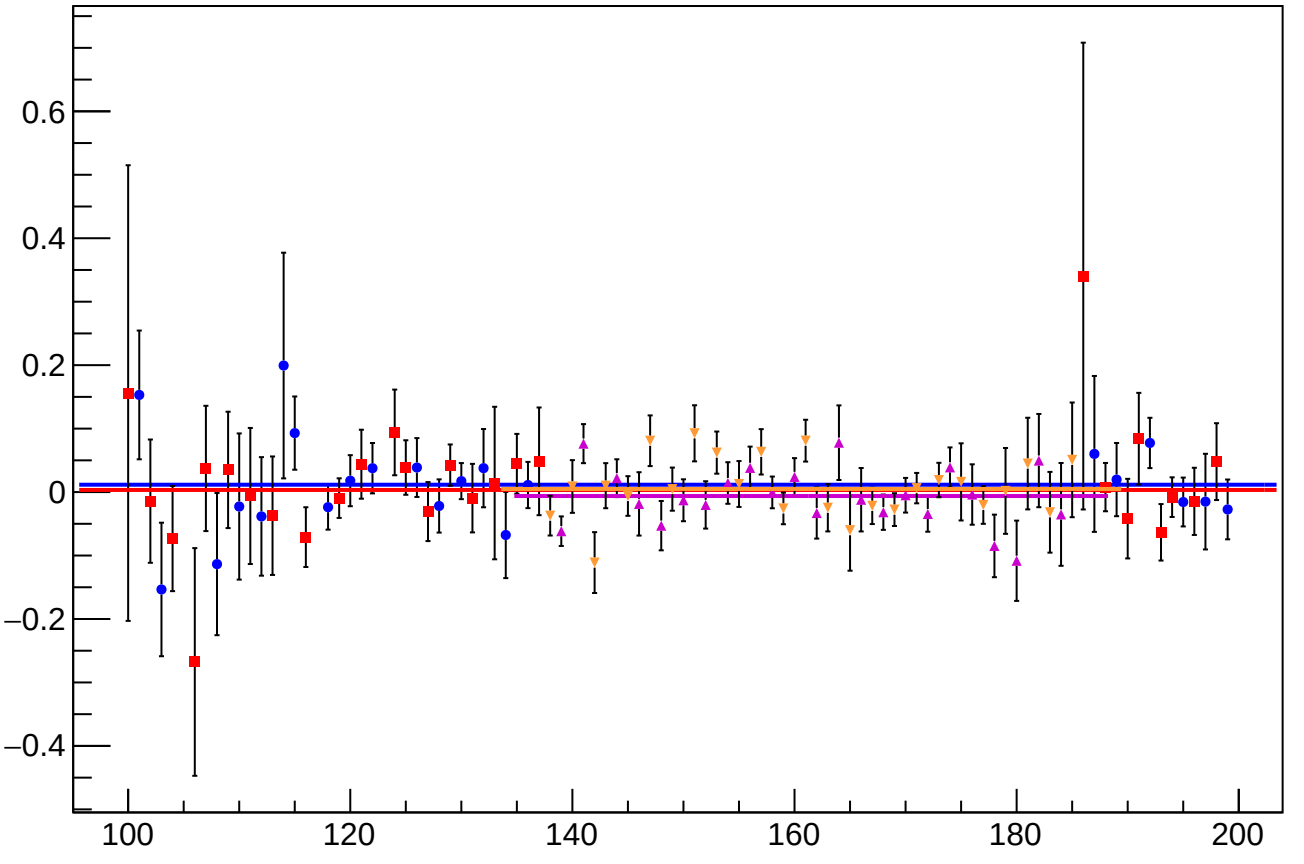
Right Out: 33.494+/-0.007 χ^2/NDF: 3646355.8/26

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 30.329+/-0.004 χ^2/NDF: 5985957.4/46

All: 30.463+/-0.003 χ^2/NDF: 11954507.5/96

\- sign 30.600+/-0.004 χ^2/NDF: 5966467.4/49



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

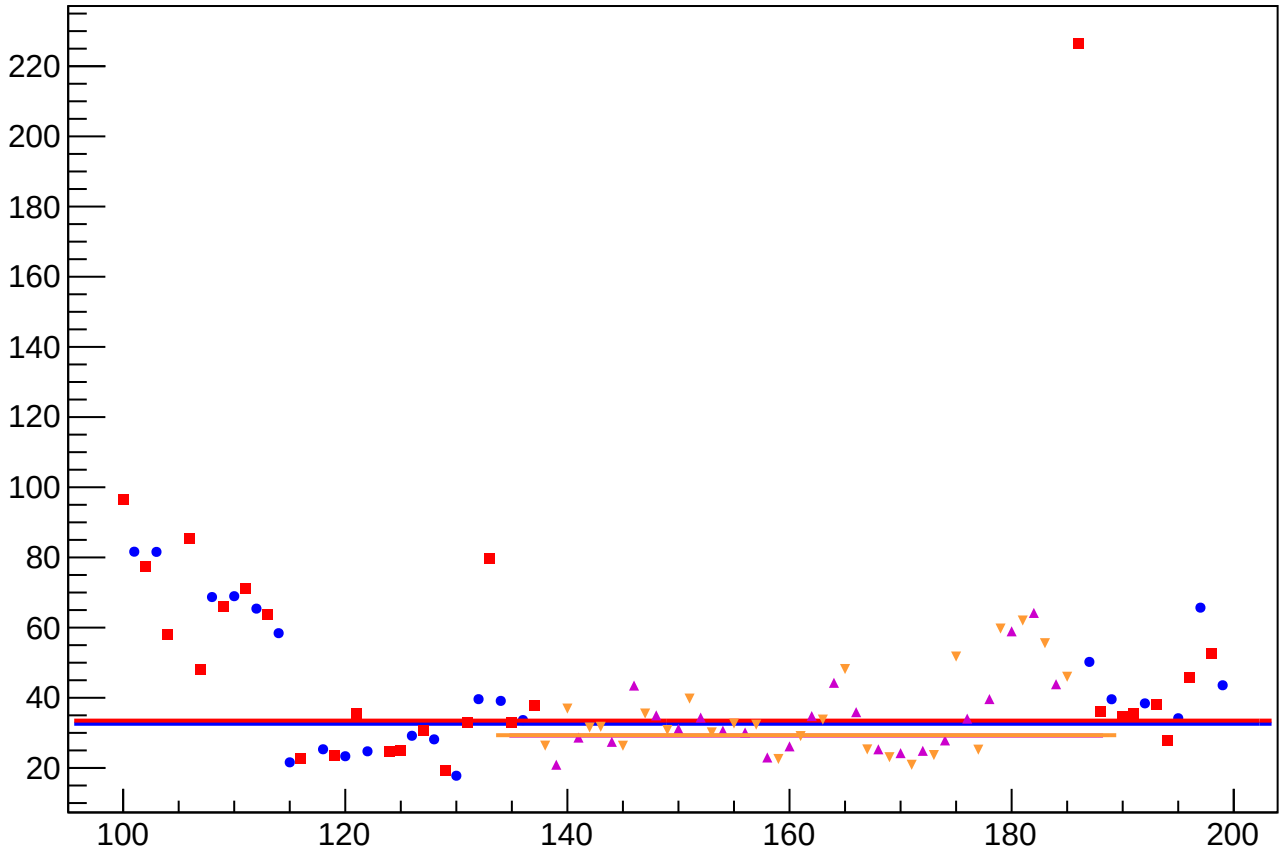
Right Out: 0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.6/46

All: 0.002+/-0.004 χ^2/NDF: 102.8/96

- sign -0.003+/-0.006 χ^2/NDF: 49.8/49



Right In: 32.599+/-0.008 χ^2/NDF: 3170755.1/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

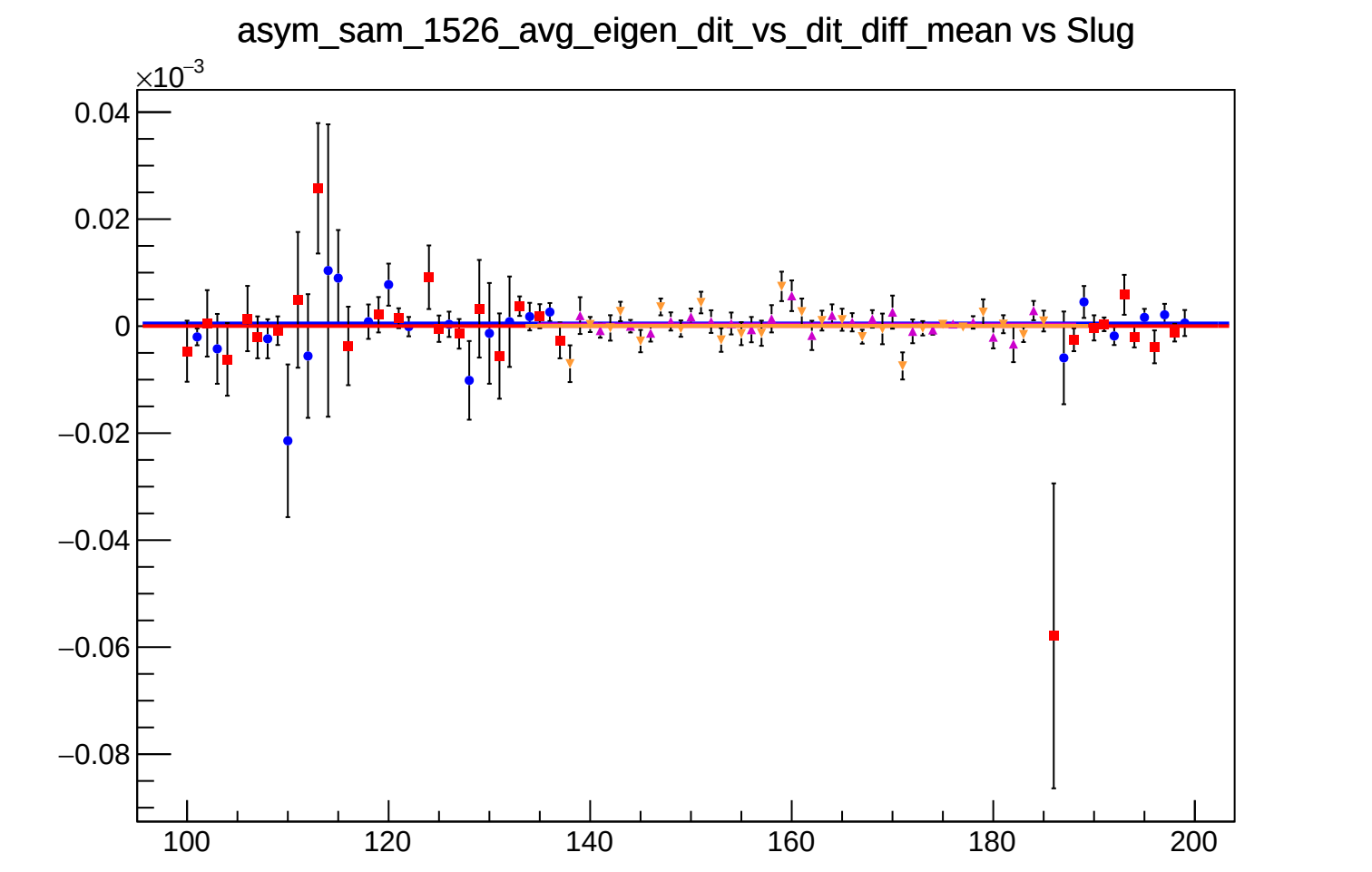
Right Out: 33.494+/-0.007 χ^2/NDF: 3646355.8/26

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.329+/-0.004 χ^2/NDF: 5985957.4/46

All: 30.463+/-0.003 χ^2/NDF: 11954507.5/96

- sign 30.600+/-0.004 χ^2/NDF: 5966467.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

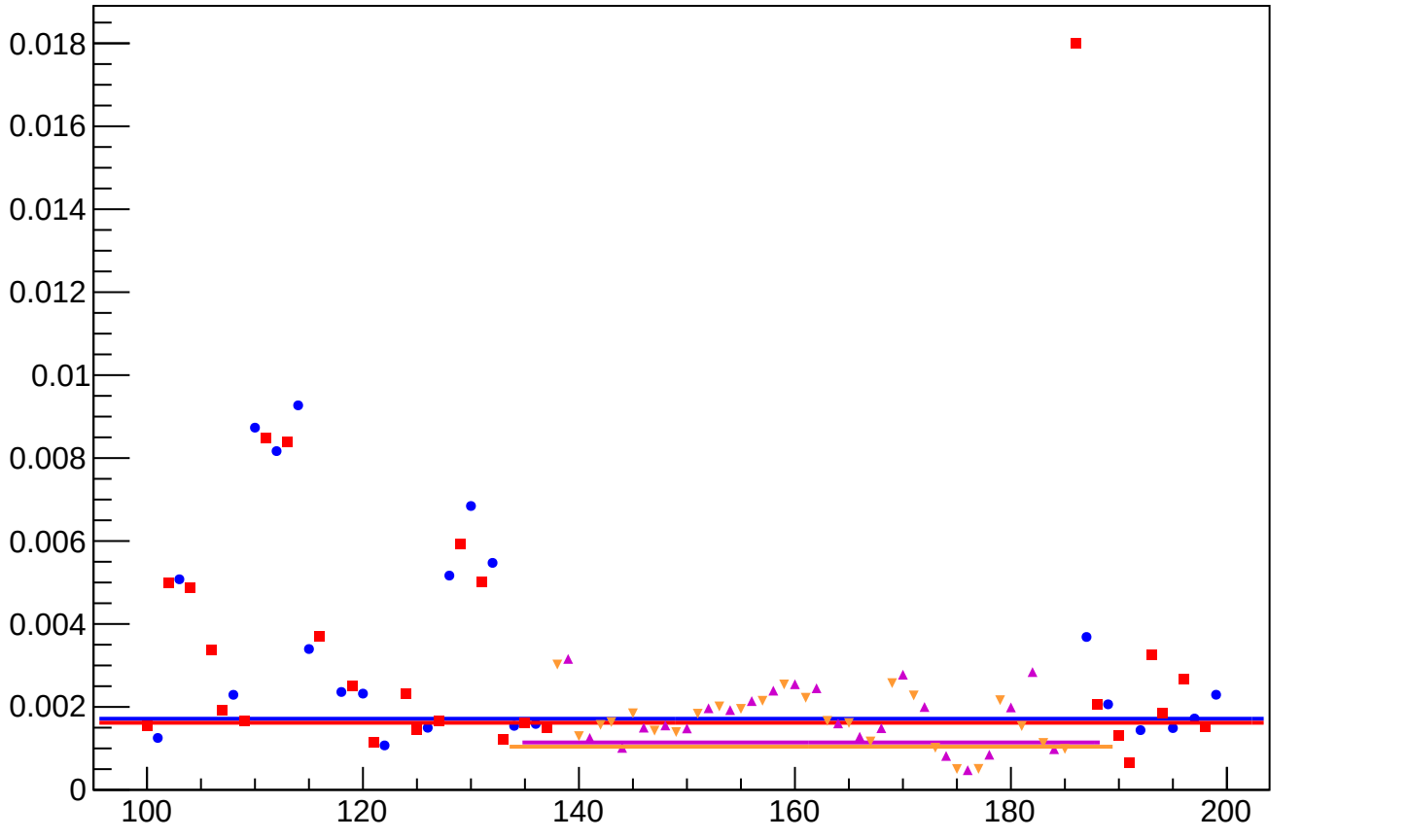
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/26

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.5/46

All: 0.000+/-0.000 χ^2/NDF: 108.2/96

- sign 0.000+/-0.000 χ^2/NDF: 43.7/49



Right In: 0.002+/-0.000 χ^2/NDF: 4268799.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

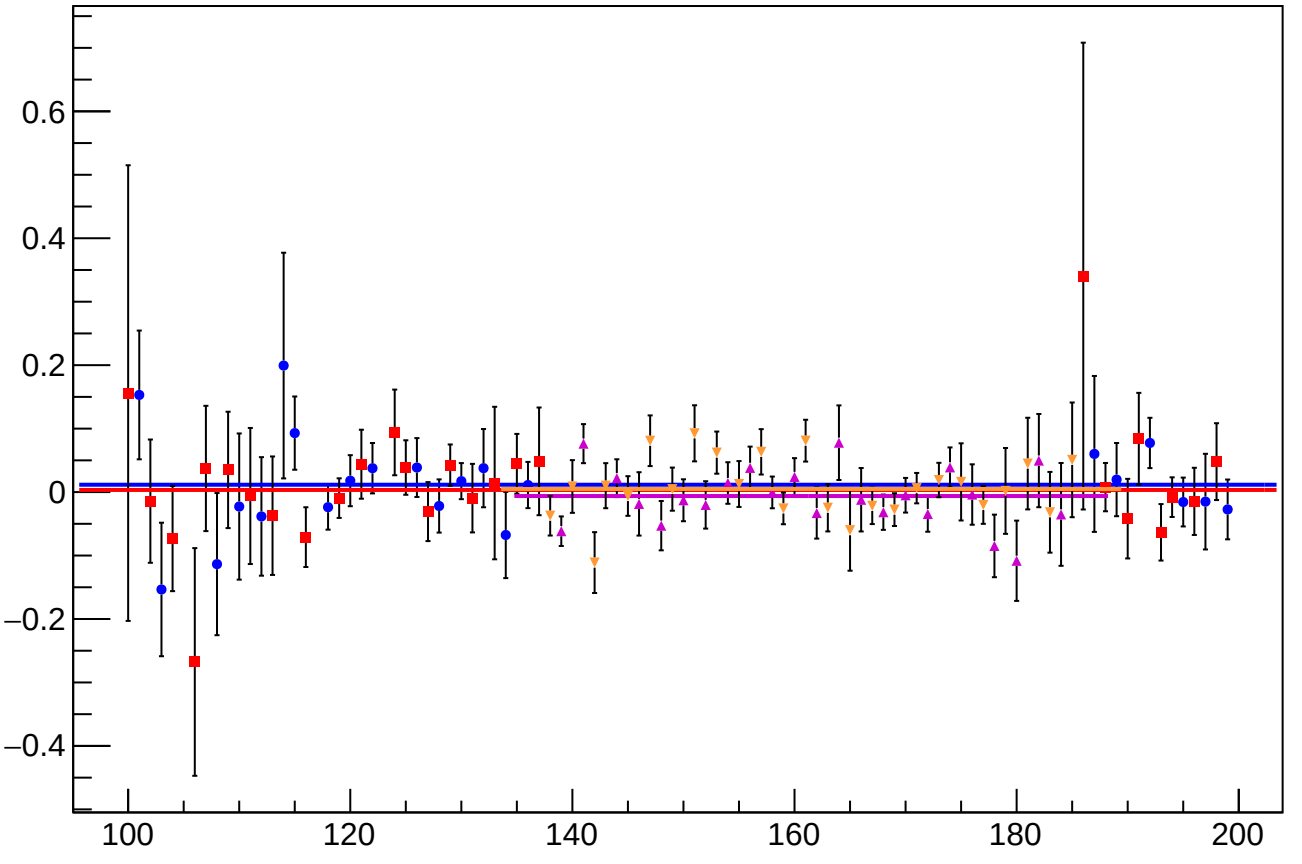
Right Out: 0.002+/-0.000 χ^2/NDF: 6411526.7/26

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 16301398.9/46

All: 0.001+/-0.000 χ^2/NDF: 32311749.8/96

- sign 0.001+/-0.000 χ^2/NDF: 15879419.1/49



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

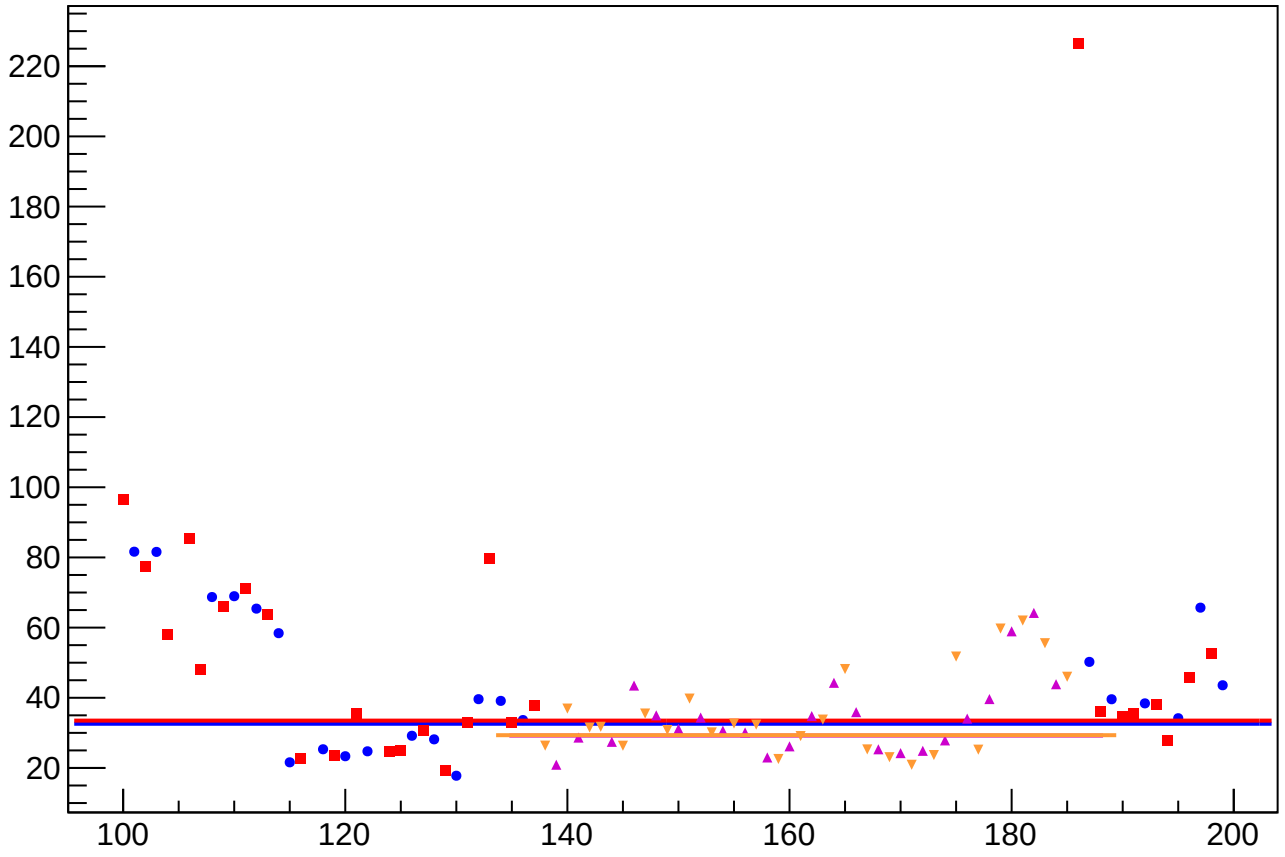
Right Out: 0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.6/46

All: 0.002+/-0.004 χ^2/NDF: 102.8/96

- sign -0.003+/-0.006 χ^2/NDF: 49.8/49



Right In: 32.598+/-0.008 χ^2/NDF: 3171055.5/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

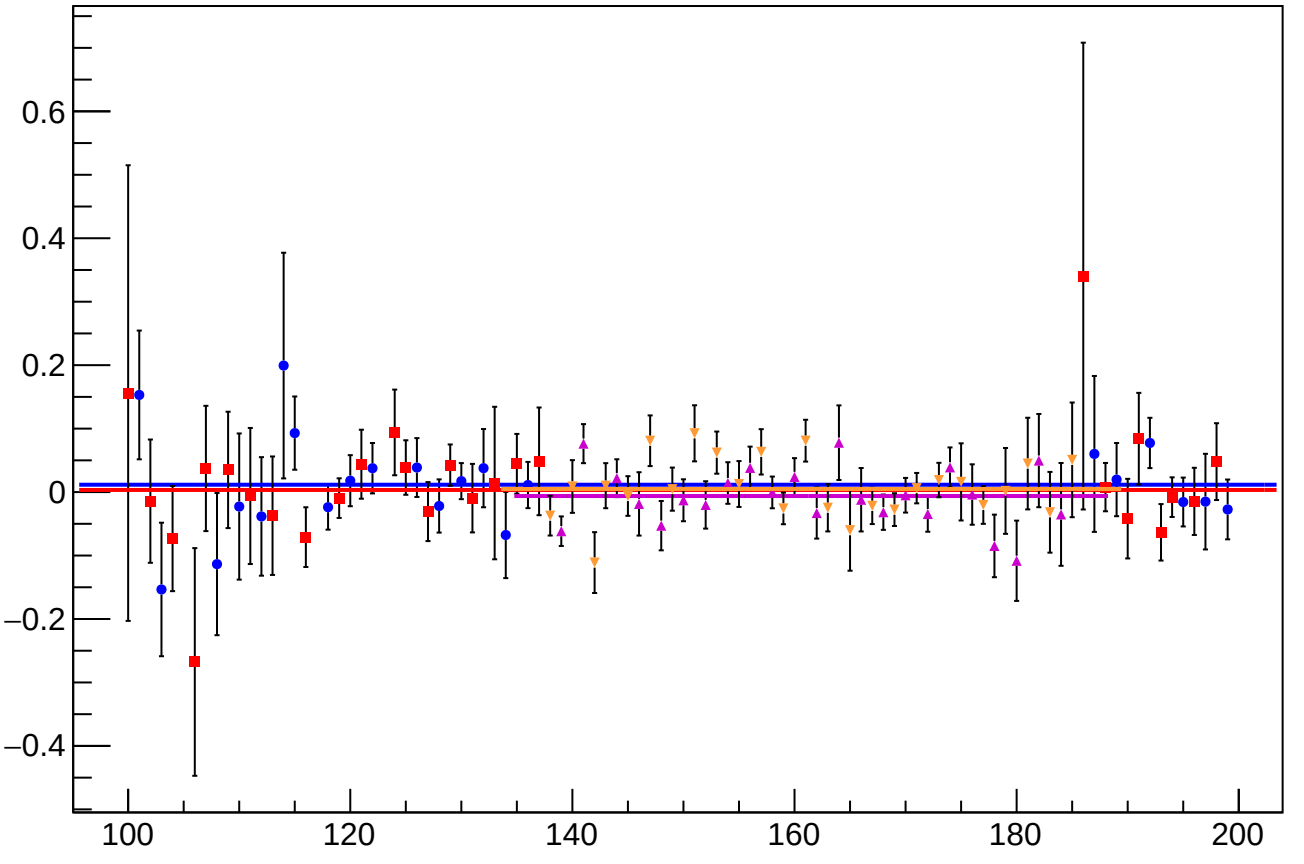
Right Out: 33.493+/-0.007 χ^2/NDF: 3646559.5/26

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.329+/-0.004 χ^2/NDF: 5986204.5/46

All: 30.463+/-0.003 χ^2/NDF: 11954800.8/96

- sign 30.600+/-0.004 χ^2/NDF: 5966510.3/49



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

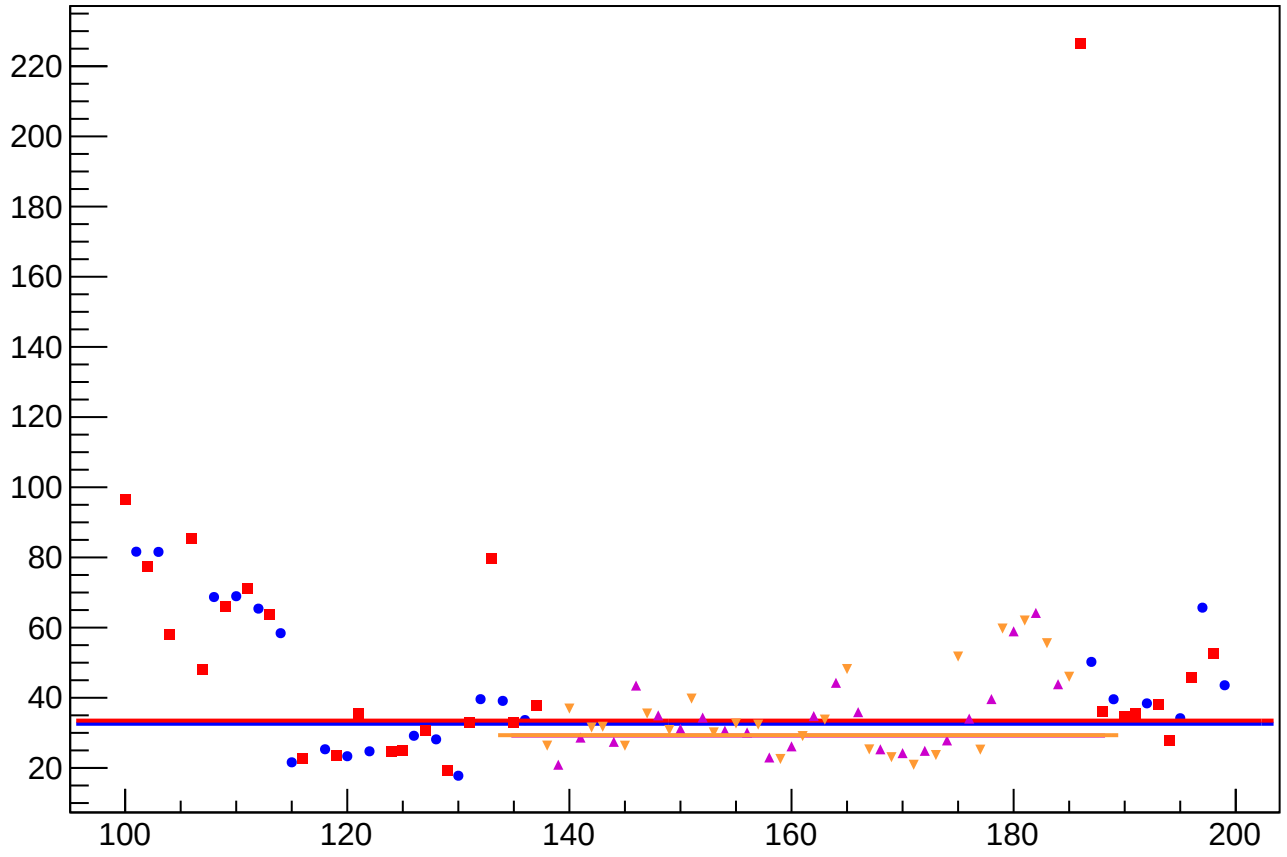
Right Out: 0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.6/46

All: 0.002+/-0.004 χ^2/NDF: 102.8/96

- sign -0.003+/-0.006 χ^2/NDF: 49.8/49



Right In: 32.598+/-0.008 χ^2/NDF: 3171055.5/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

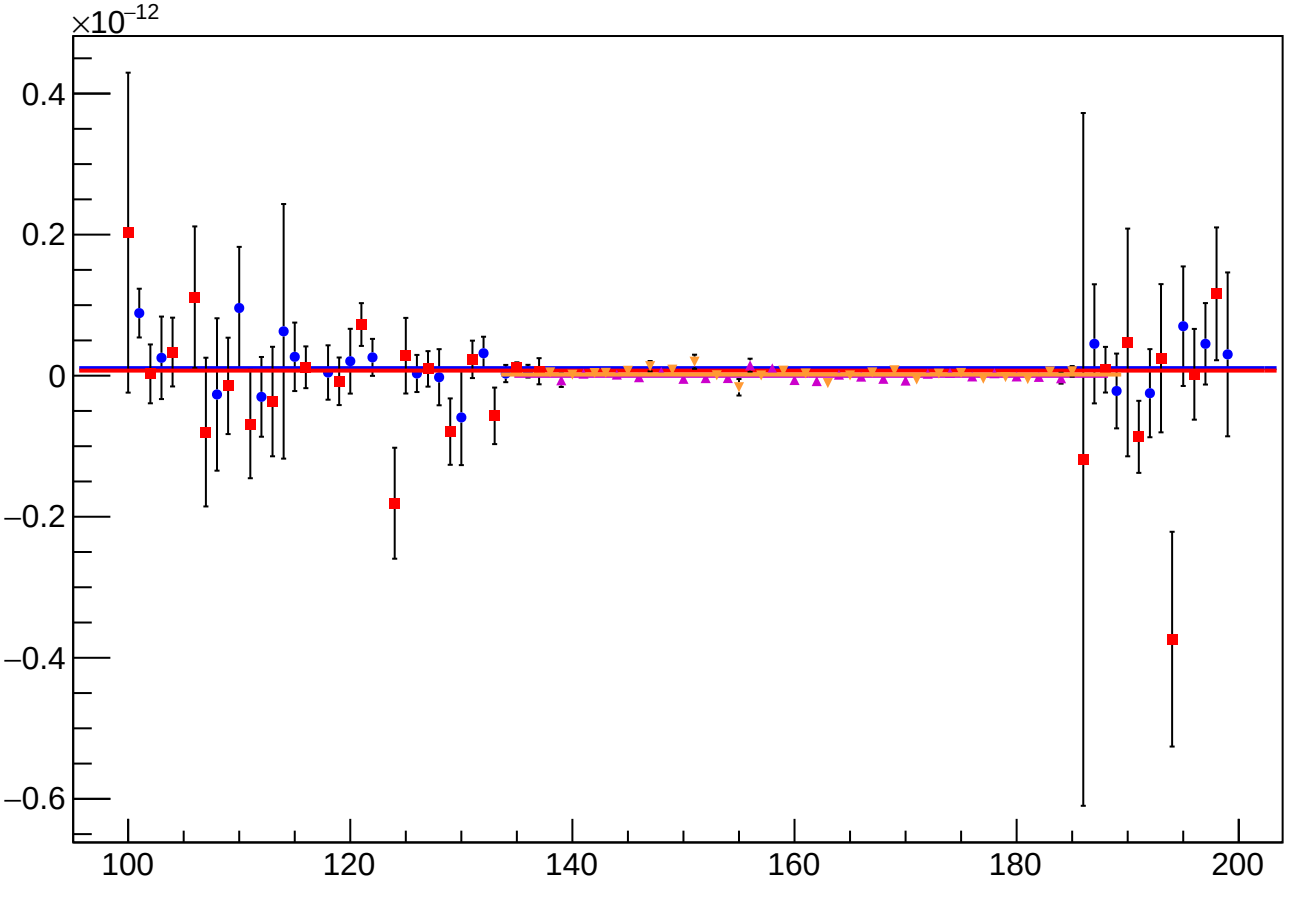
Right Out: 33.493+/-0.007 χ^2/NDF: 3646559.5/26

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.329+/-0.004 χ^2/NDF: 5986204.5/46

All: 30.463+/-0.003 χ^2/NDF: 11954800.8/96

- sign 30.600+/-0.004 χ^2/NDF: 5966510.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

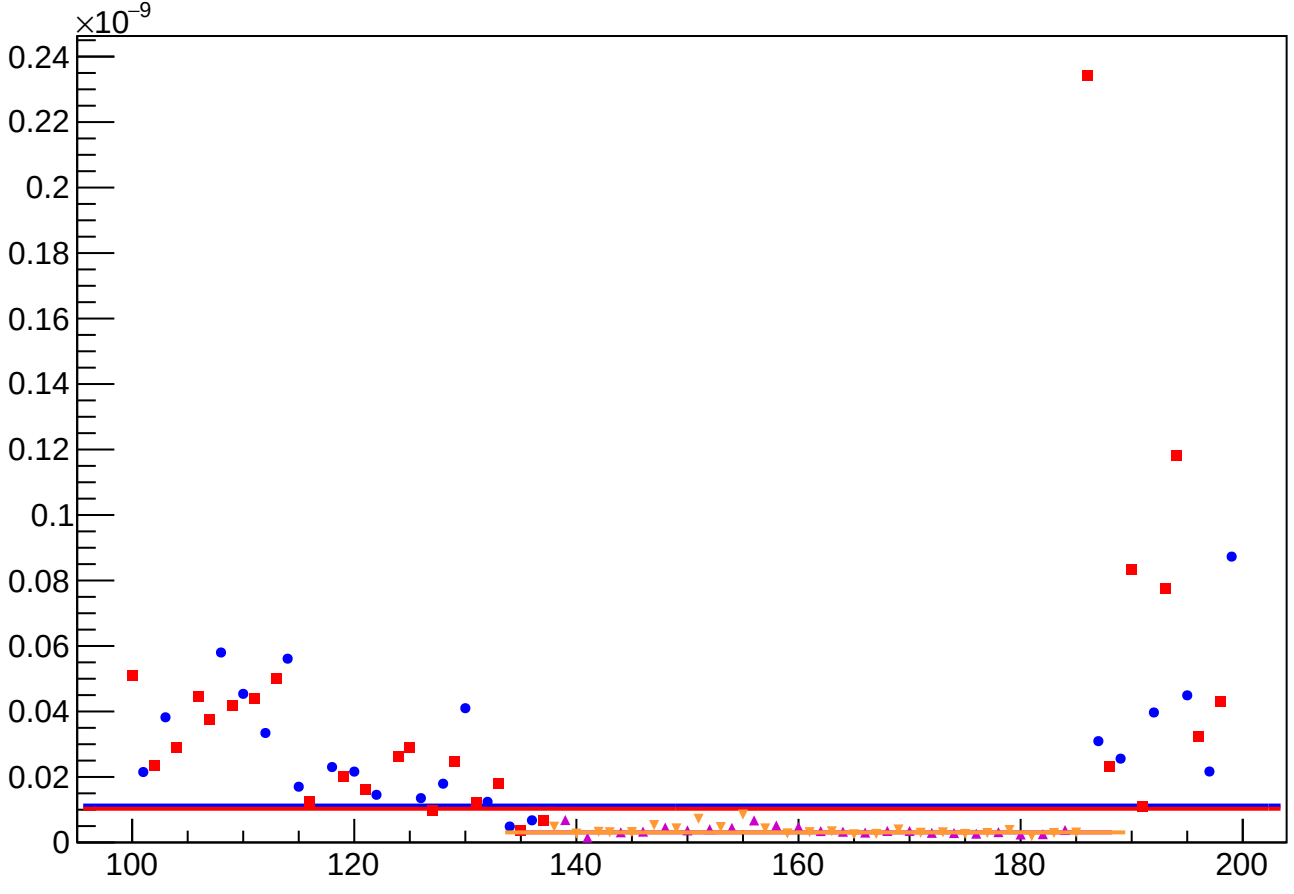
Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/26

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.2/46

All: 0.000+/-0.000 χ^2/NDF: 103.9/96

- sign -0.000+/-0.000 χ^2/NDF: 52.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 5475851.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8043655.4/26

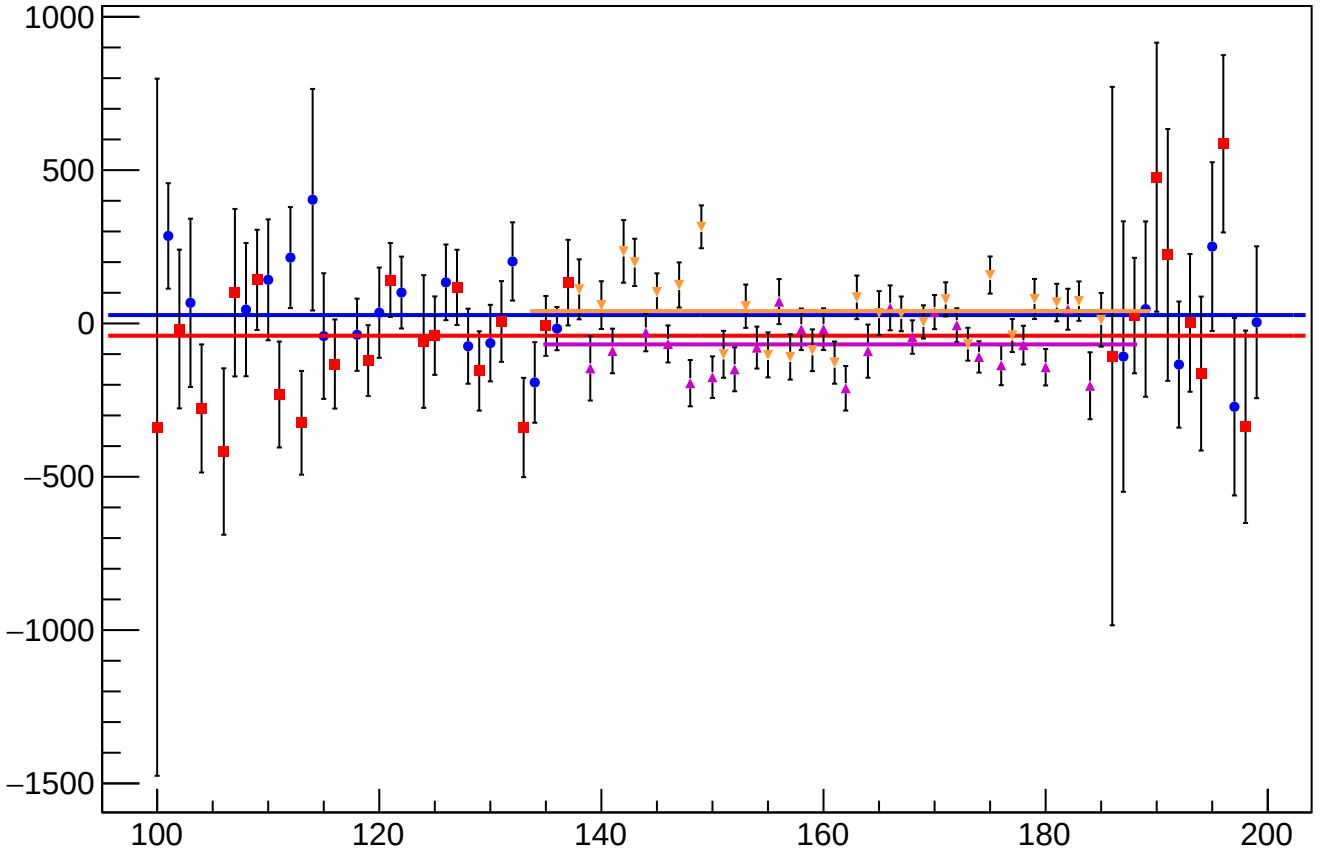
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11306714.9/46

All: 0.000+/-0.000 χ^2/NDF: 24582873.1/96

- sign 0.000+/-0.000 χ^2/NDF: 13276155.5/49

reg_asym_sam_3726_avg_mean vs Slug



Right In: 27.371+/-32.382 χ^2/NDF: 15.3/21

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -39.966+/-32.938 χ^2/NDF: 27.5/26

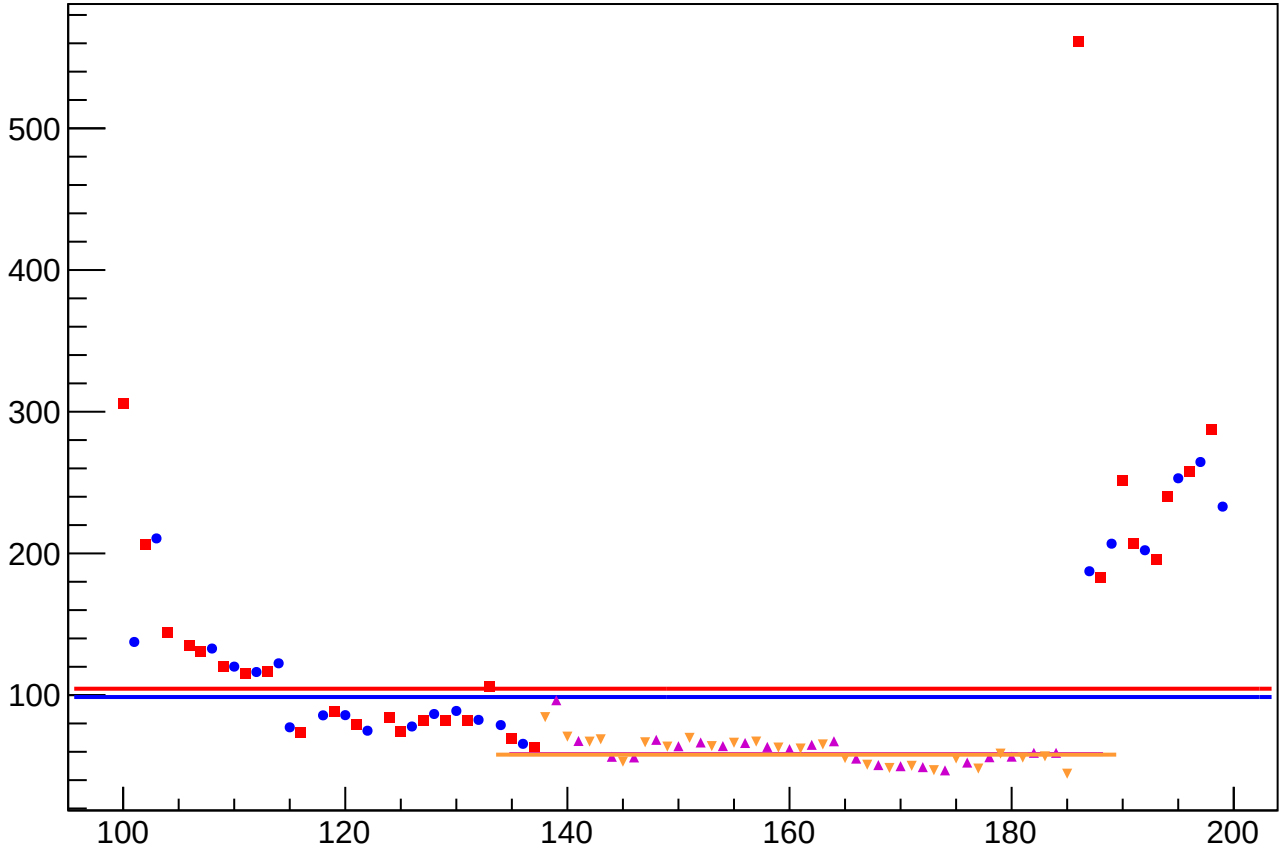
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 38.445+/-12.383 χ^2/NDF: 74.8/46

All: -11.198+/-8.893 χ^2/NDF: 167.9/96

- sign -64.072+/-12.780 χ^2/NDF: 59.8/49

reg_asym_sam_3726_avg_rms vs Slug



Right In: 98.653+/-0.023 χ^2/NDF: 4040412.8/21

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

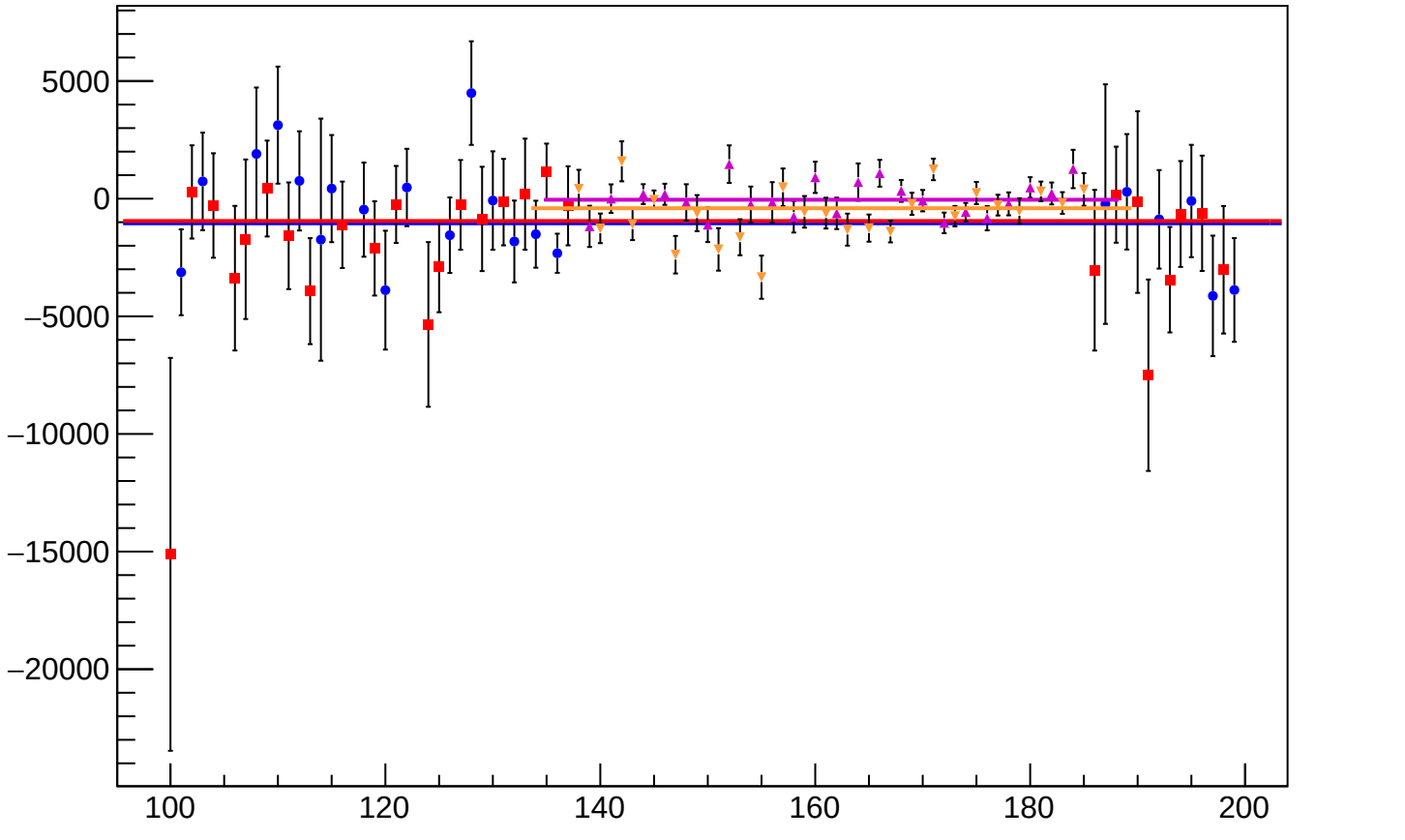
Right Out: 104.524+/-0.023 χ^2/NDF: 4883088.0/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.941+/-0.009 χ^2/NDF: 7539836.7/46

All: 64.619+/-0.006 χ^2/NDF: 16502474.8/96

- sign 65.341+/-0.009 χ^2/NDF: 8950262.9/49



Right In: -1045.705+/-404.528 χ^2/NDF: 22.2/21

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -948.406+/-418.135 χ^2/NDF: 18.4/26

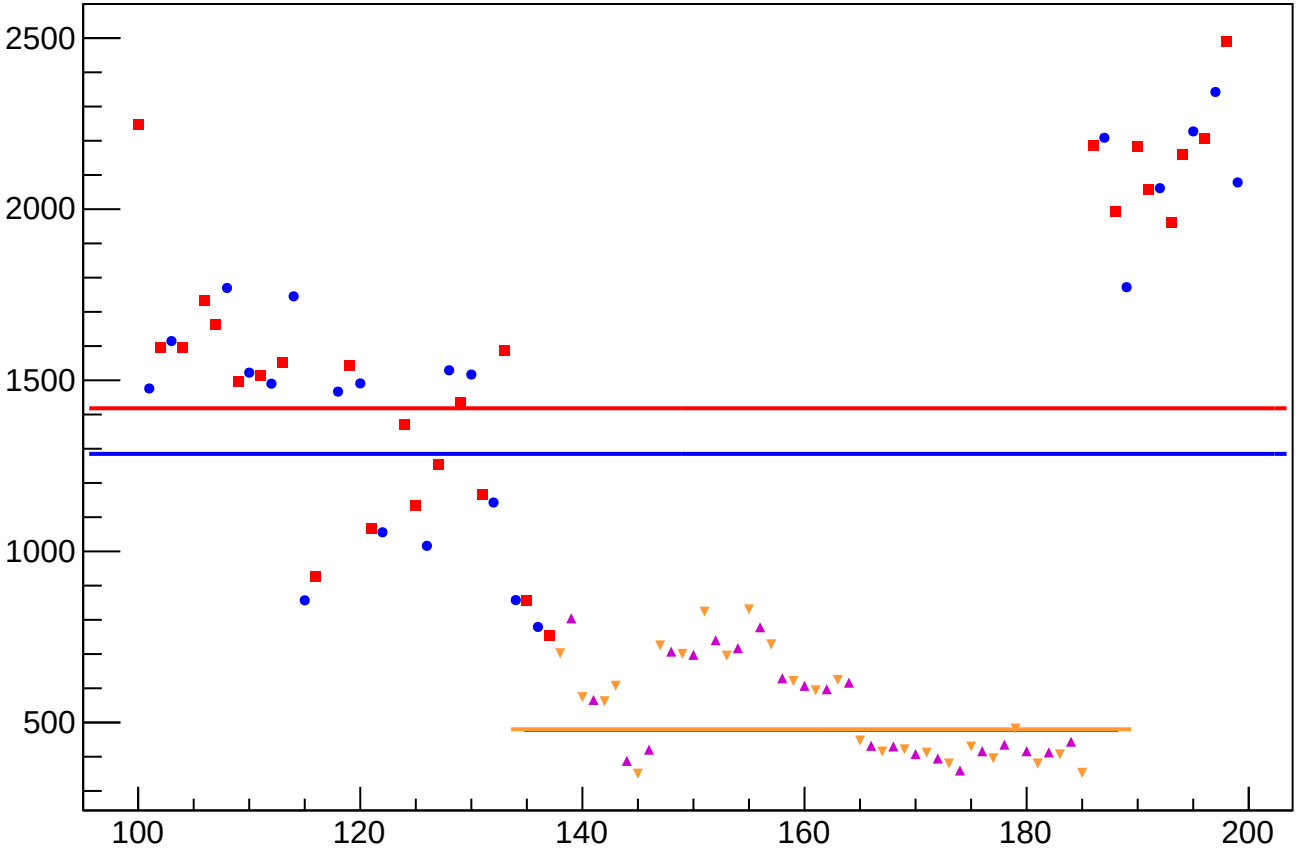
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -452.957+/-109.251 χ^2/NDF: 87.7/46

All: -284.666+/-78.058 χ^2/NDF: 146.3/96

- sign -109.161+/-111.568 χ^2/NDF: 53.7/49

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1284.982+/-0.286 χ^2/NDF: 2694044.5/21

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1418.216+/-0.296 χ^2/NDF: 2434731.4/26

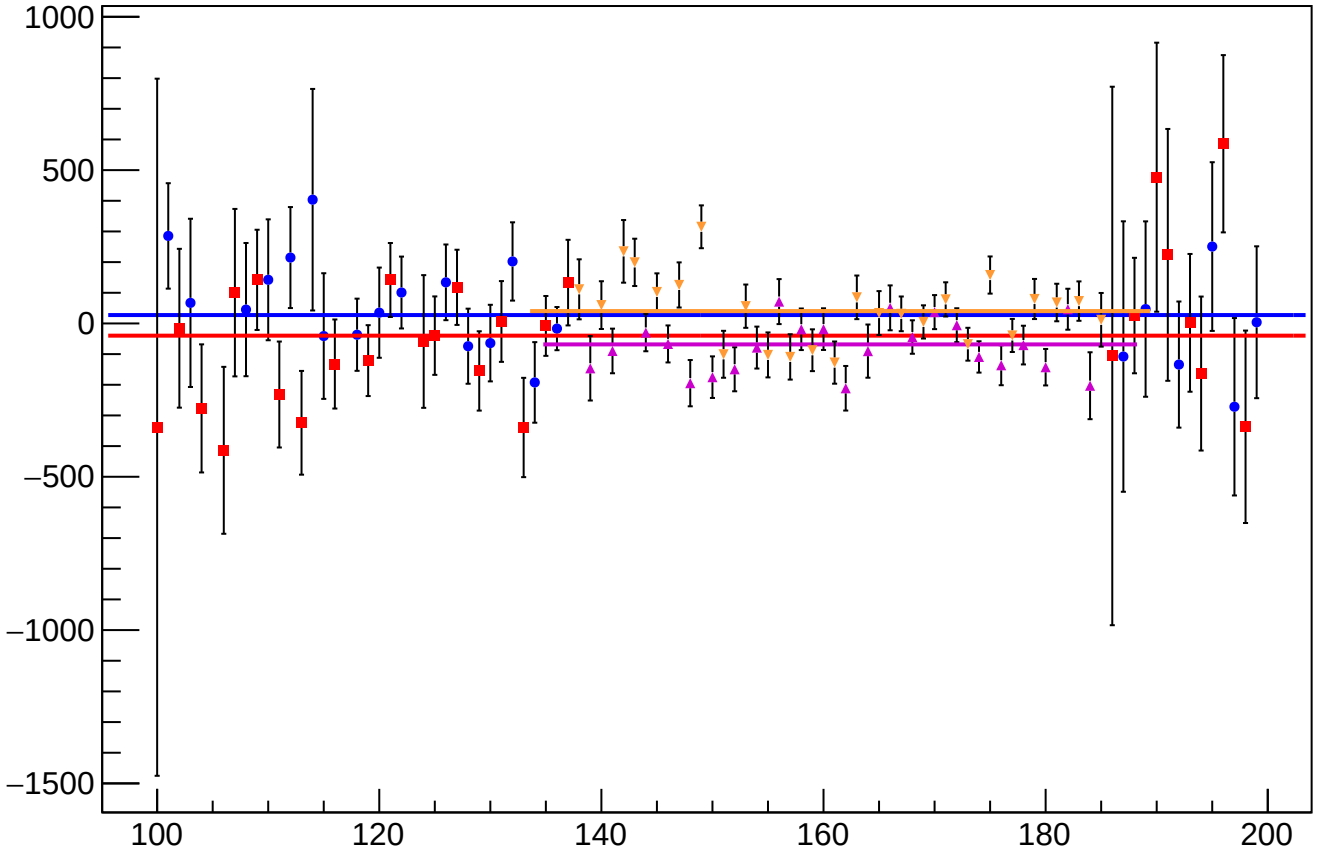
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 538.864+/-0.077 χ^2/NDF: 12615300.4/46

All: 541.875+/-0.055 χ^2/NDF: 26659393.1/96

- sign 545.016+/-0.079 χ^2/NDF: 14040988.6/49

cor_asym_sam_3726_avg_mean vs Slug



Right In: 27.362+/-32.382 χ^2/NDF: 15.3/21

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -39.830+/-32.939 χ^2/NDF: 27.4/26

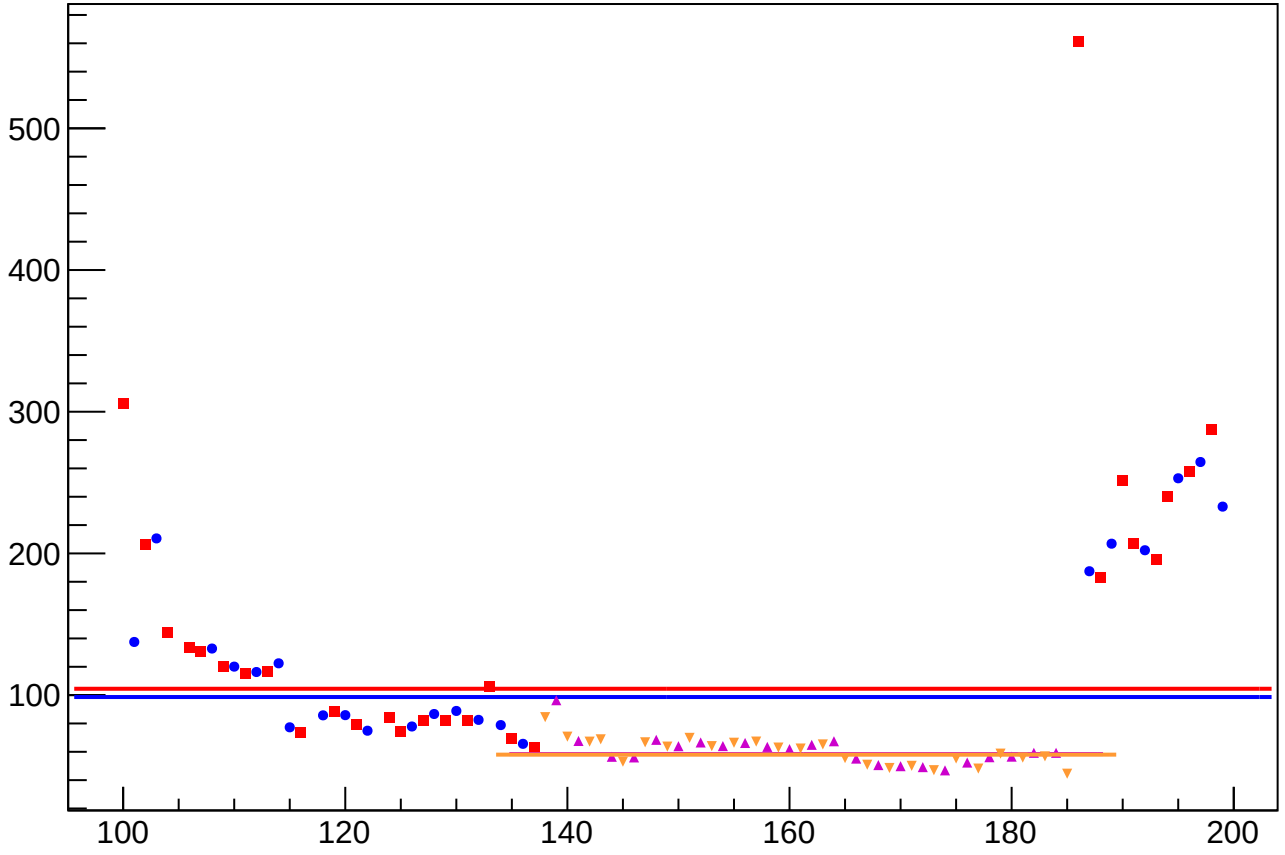
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.446+/-12.383 χ^2/NDF: 74.8/46

All: -11.187+/-8.893 χ^2/NDF: 167.8/96

- sign -64.051+/-12.780 χ^2/NDF: 59.8/49

cor_asym_sam_3726_avg_rms vs Slug



Right In: 98.653+/-0.023 χ^2/NDF: 4040415.8/21

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

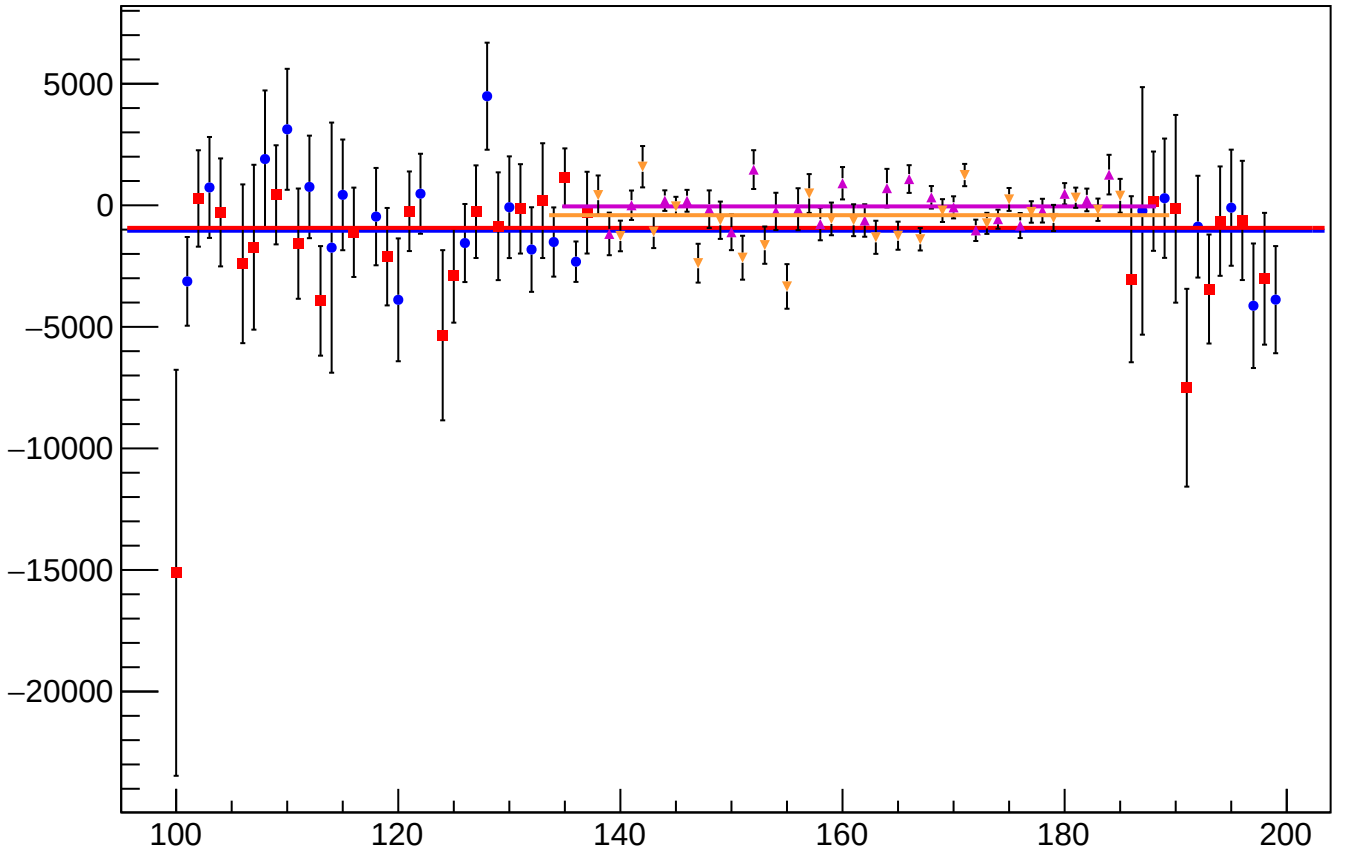
Right Out: 104.492+/-0.023 χ^2/NDF: 4880107.6/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.941+/-0.009 χ^2/NDF: 7539838.9/46

All: 64.616+/-0.006 χ^2/NDF: 16494536.1/96

- sign 65.336+/-0.009 χ^2/NDF: 8942417.3/49



Right In: -1045.680+/-404.529 χ^2/NDF: 22.2/21

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -927.613+/-418.590 χ^2/NDF: 17.9/26

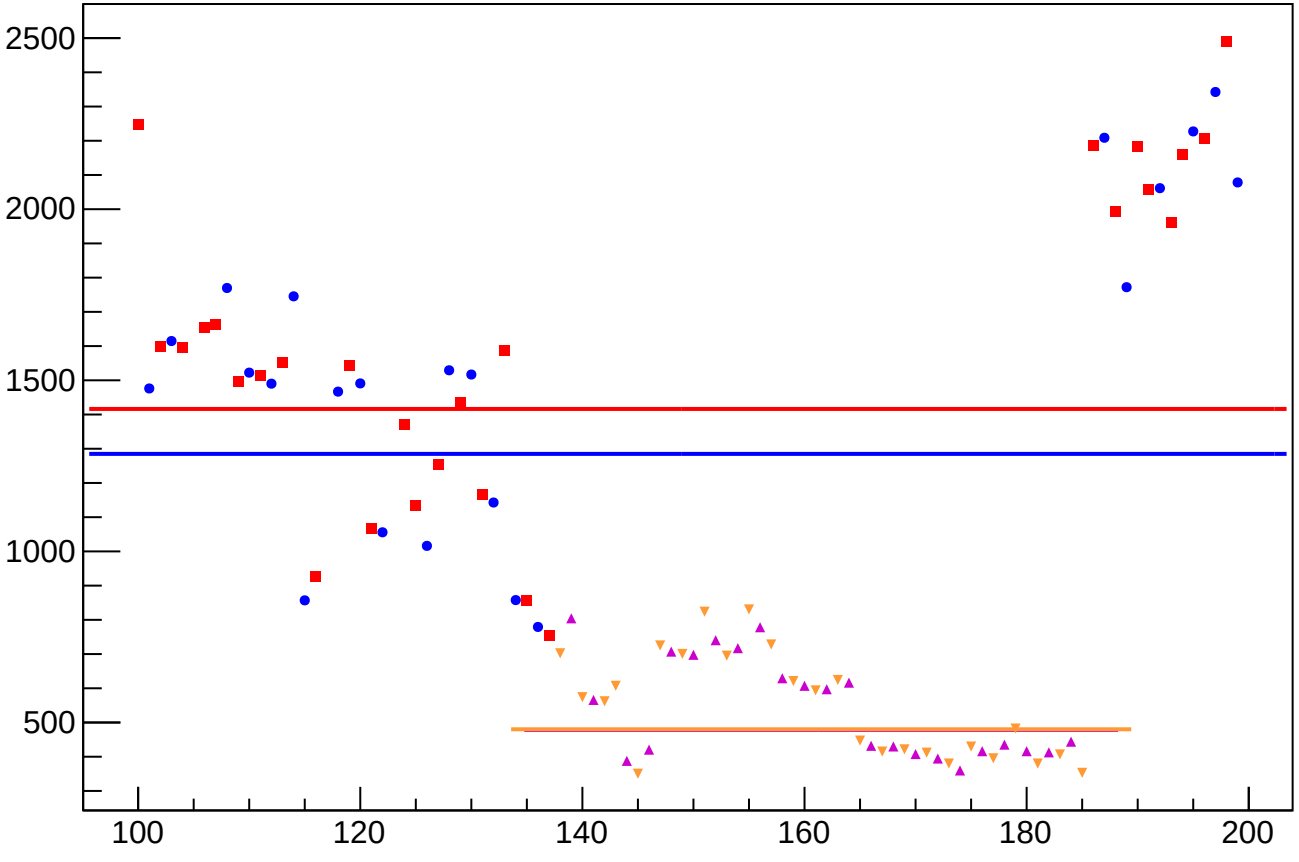
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -452.953+/-109.251 χ^2/NDF: 87.7/46

All: -283.890+/-78.061 χ^2/NDF: 145.7/96

- sign -107.553+/-111.577 χ^2/NDF: 53.1/49

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1284.984+/-0.286 χ^2/NDF: 2694074.6/21

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1416.308+/-0.296 χ^2/NDF: 2424398.5/26

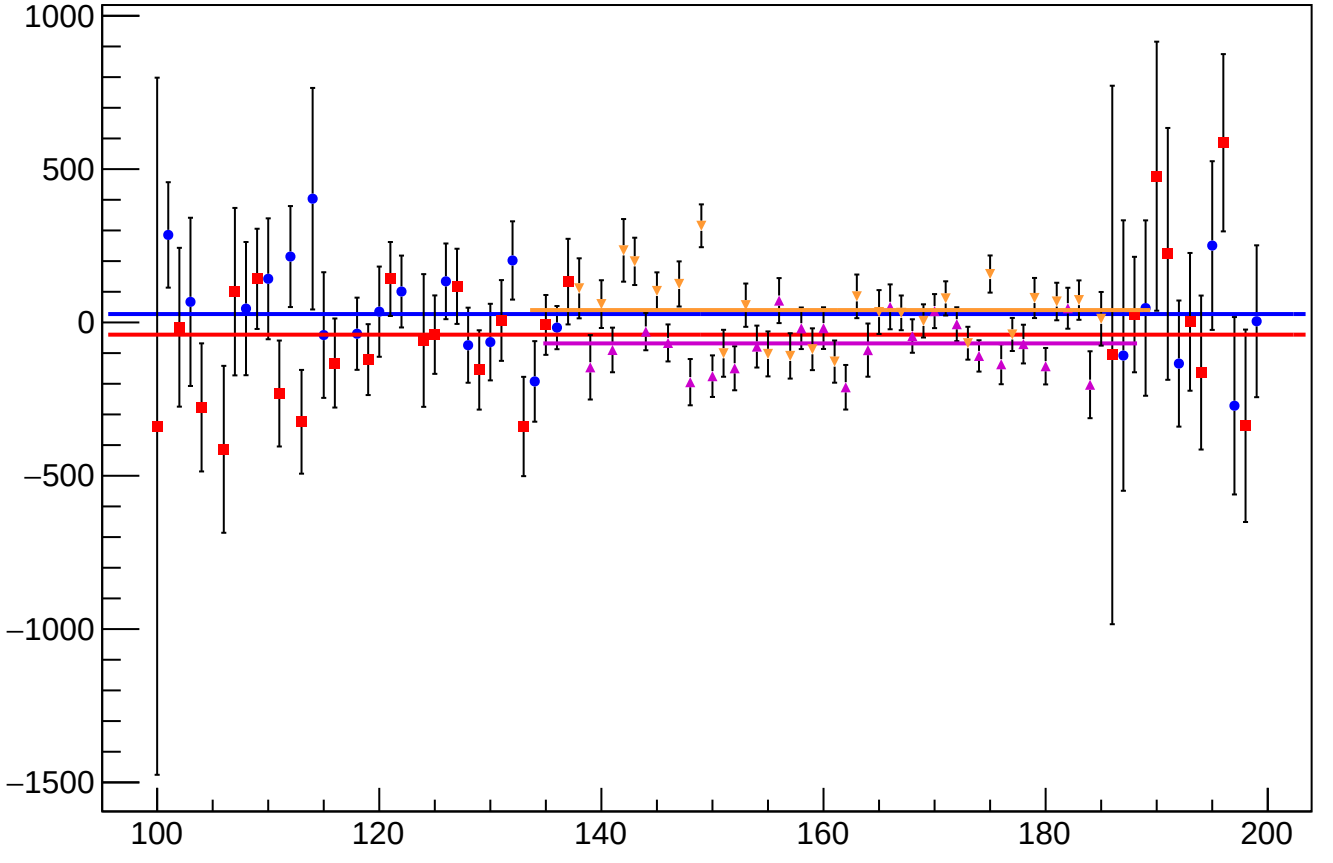
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 538.864+/-0.077 χ^2/NDF: 12615326.8/46

All: 541.743+/-0.055 χ^2/NDF: 26591878.6/96

- sign 544.745+/-0.079 χ^2/NDF: 13973714.7/49

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 27.362+/-32.382 χ^2/NDF: 15.3/21

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -39.830+/-32.939 χ^2/NDF: 27.4/26

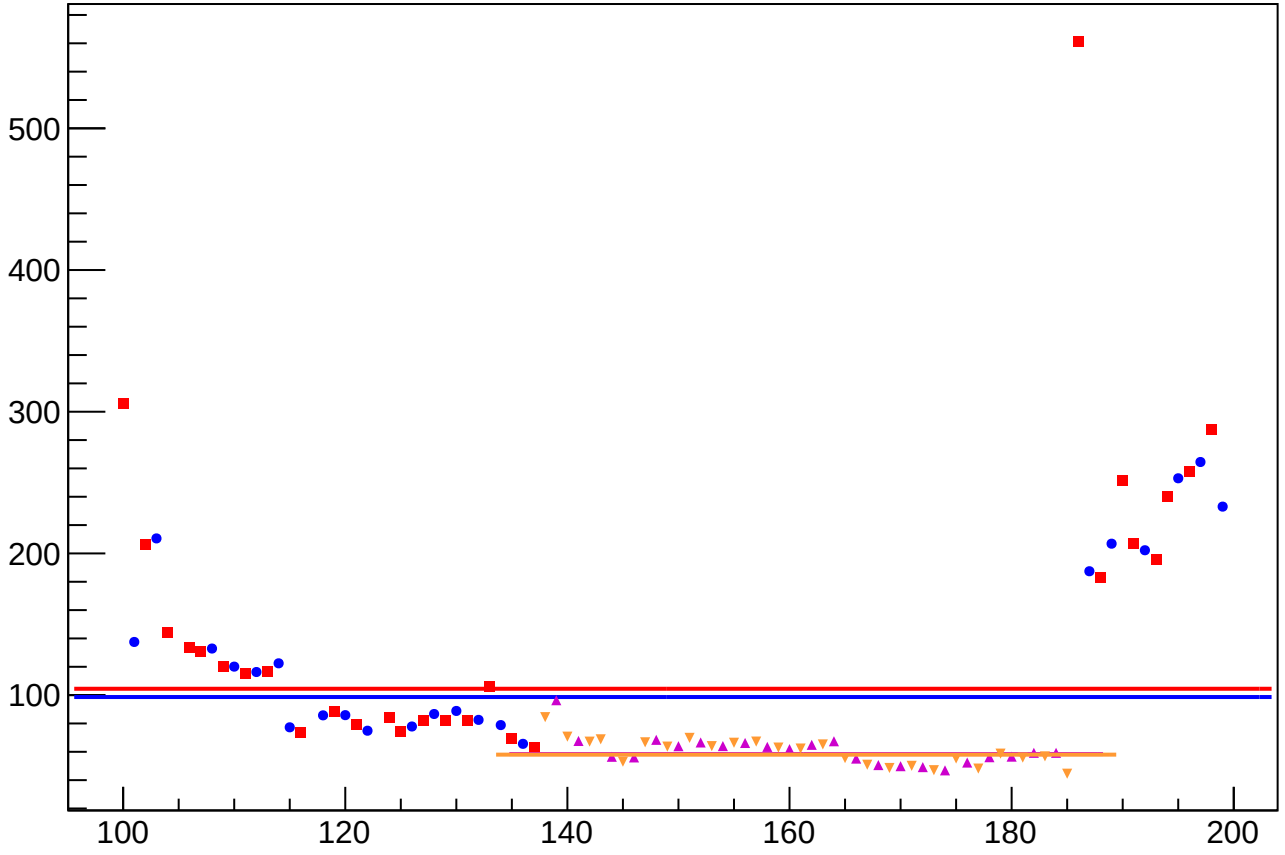
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.446+/-12.383 χ^2/NDF: 74.8/46

All: -11.187+/-8.893 χ^2/NDF: 167.8/96

- sign -64.051+/-12.780 χ^2/NDF: 59.8/49

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 98.653+/-0.023 χ^2/NDF: 4040415.8/21

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

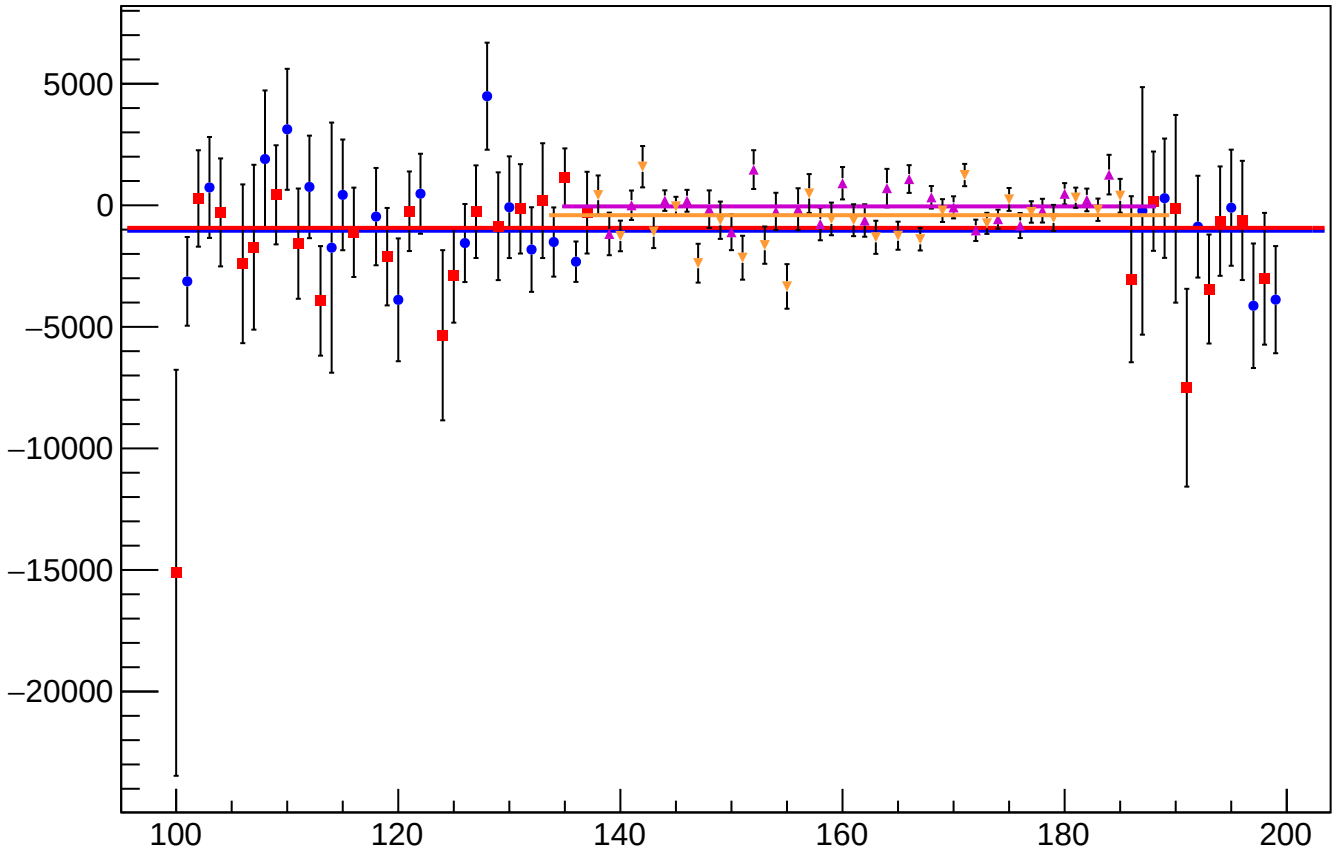
Right Out: 104.492+/-0.023 χ^2/NDF: 4880107.6/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.941+/-0.009 χ^2/NDF: 7539838.9/46

All: 64.616+/-0.006 χ^2/NDF: 16494536.1/96

- sign 65.336+/-0.009 χ^2/NDF: 8942417.3/49



Right In: -1045.680+/-404.529 χ^2/NDF: 22.2/21

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

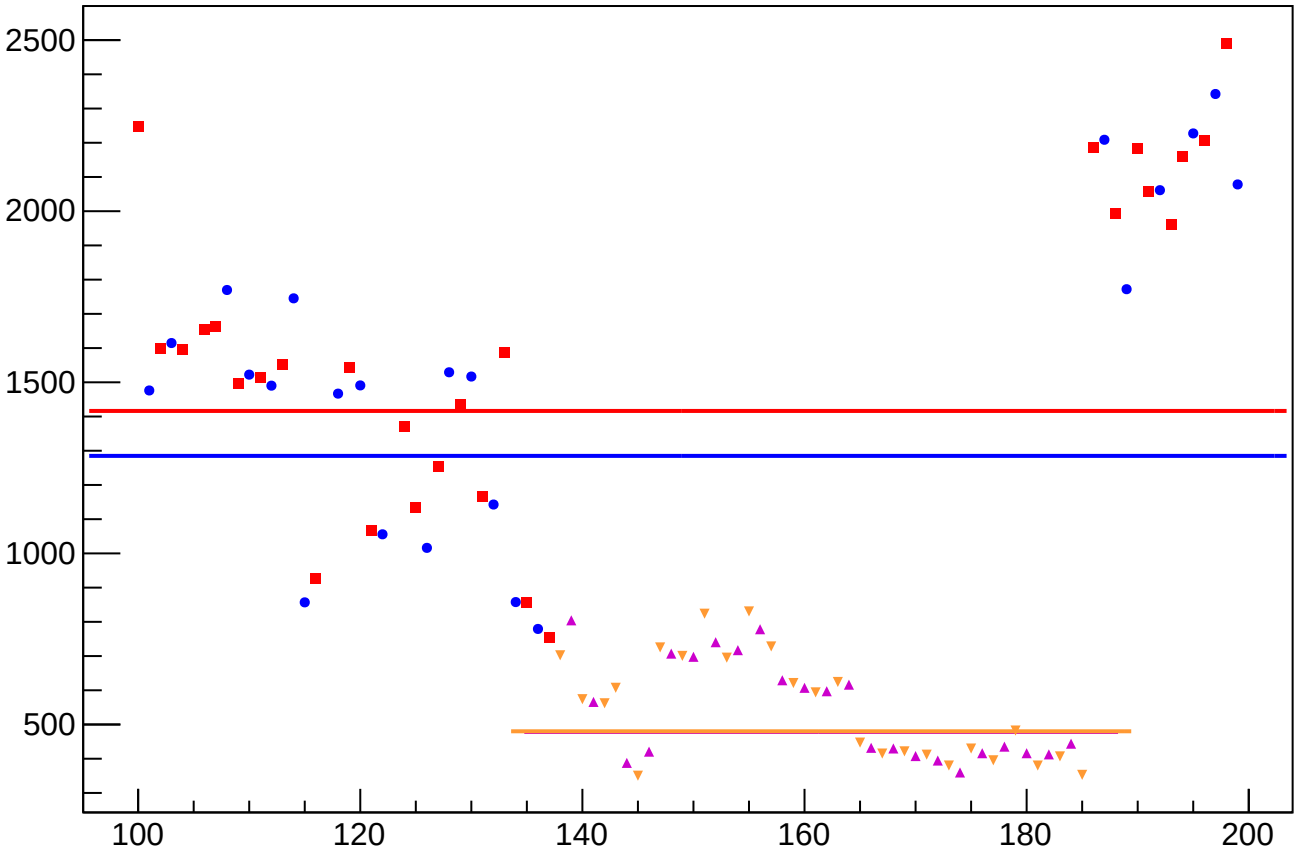
Right Out: -927.613+/-418.590 χ^2/NDF: 17.9/26

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -452.953+/-109.251 χ^2/NDF: 87.7/46

All: -283.890+/-78.061 χ^2/NDF: 145.7/96

- sign -107.553+/-111.577 χ^2/NDF: 53.1/49



Right In: 1284.984+/-0.286 χ^2/NDF: 2694074.6/21

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1416.308+/-0.296 χ^2/NDF: 2424398.5/26

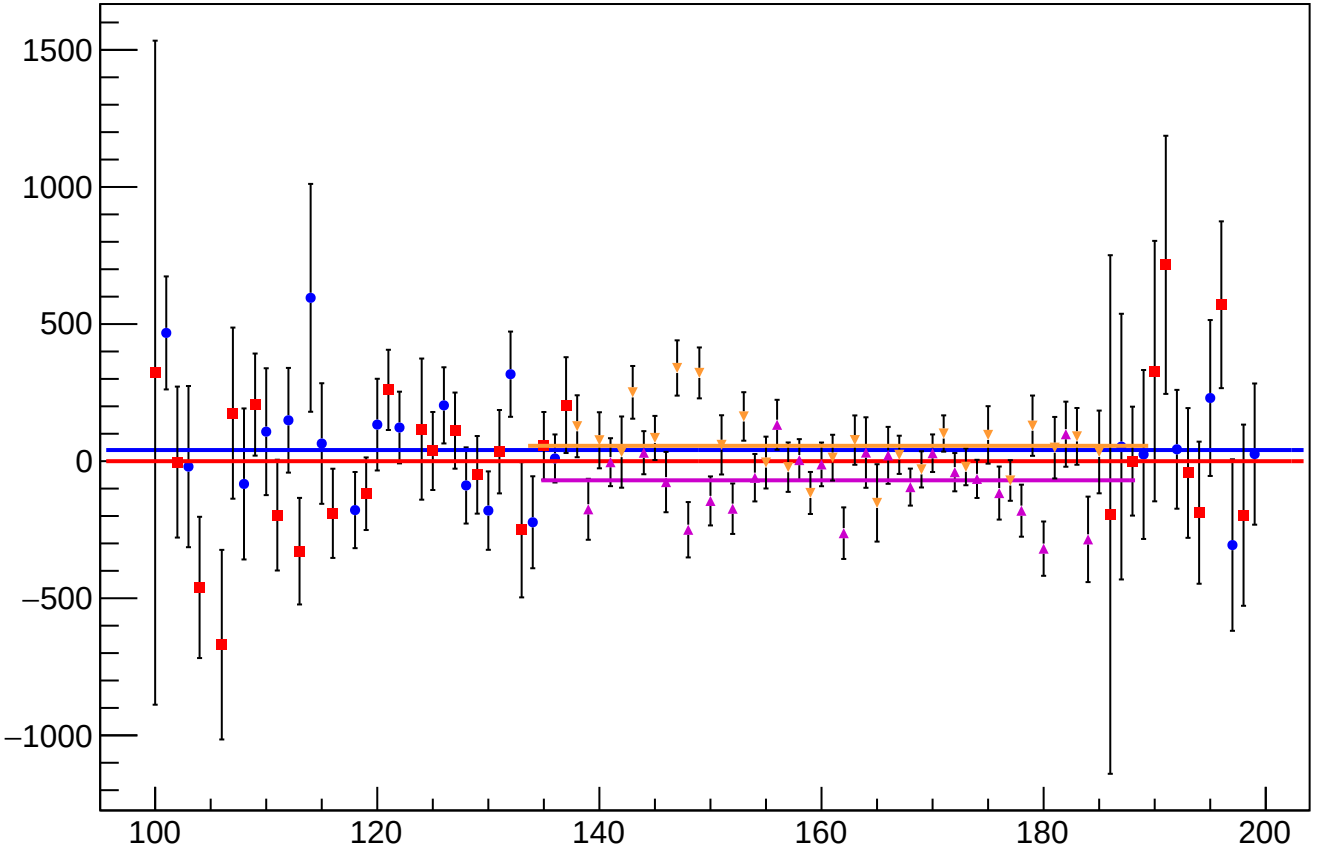
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 538.864+/-0.077 χ^2/NDF: 12615326.8/46

All: 541.743+/-0.055 χ^2/NDF: 26591878.6/96

- sign 544.745+/-0.079 χ^2/NDF: 13973714.7/49

dit_asym_sam_3726_avg_mean vs Slug



Right In: 40.557+/-37.785 χ^2/NDF: 22.0/21

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -0.098+/-38.312 χ^2/NDF: 28.7/26

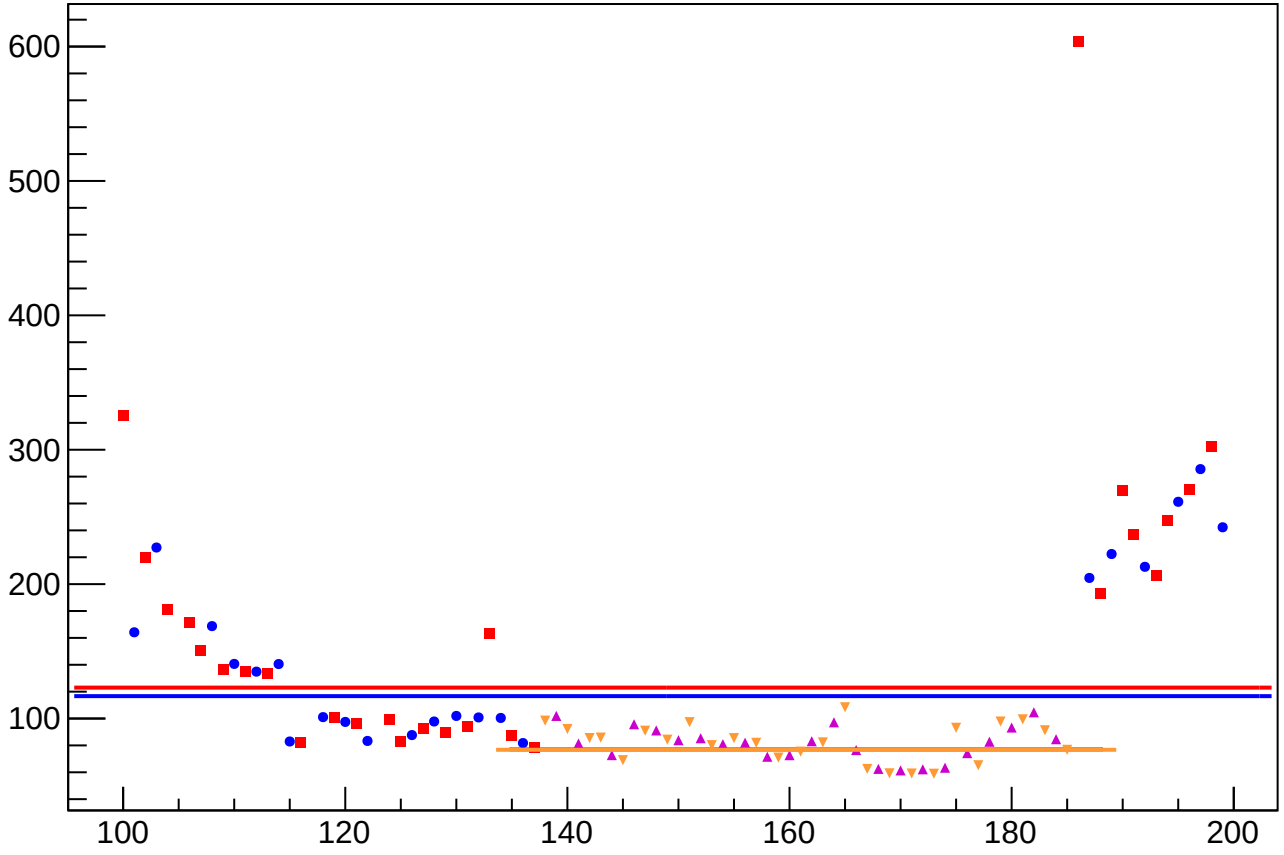
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.115+/-16.213 χ^2/NDF: 60.4/46

All: -0.290+/-11.618 χ^2/NDF: 148.6/96

- sign -56.660+/-16.657 χ^2/NDF: 65.9/49

dit_asym_sam_3726_avg_rms vs Slug



Right In: 116.660+/-0.027 χ^2/NDF: 3511030.2/21

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 123.001+/-0.027 χ^2/NDF: 4379473.1/26

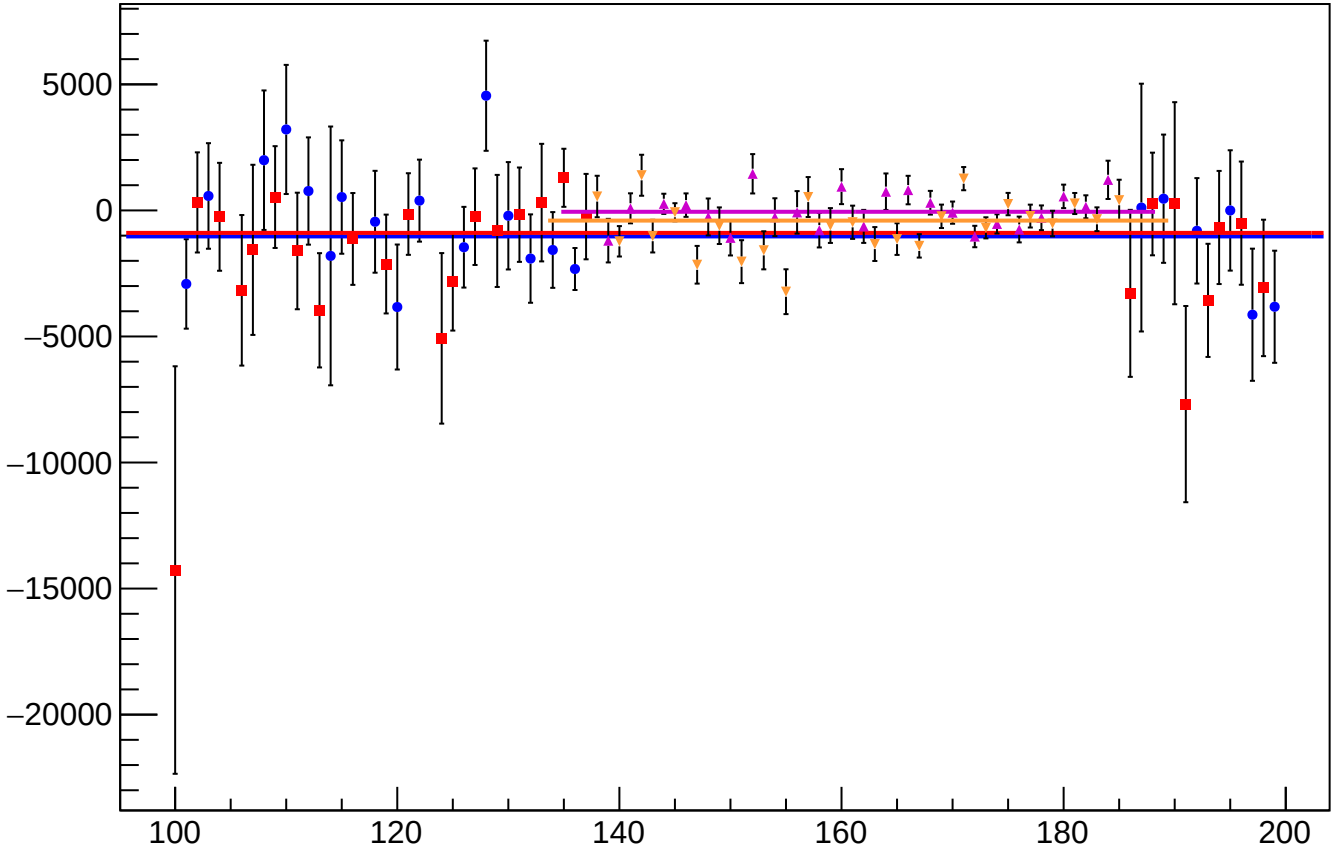
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

\+ sign 84.093+/-0.011 χ^2/NDF: 6566669.8/46

All: 84.879+/-0.008 χ^2/NDF: 14151207.4/96

\- sign 85.710+/-0.012 χ^2/NDF: 7574854.7/49

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -1031.589+/-406.558 χ^2/NDF: 22.1/21

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -891.519+/-414.424 χ^2/NDF: 19.8/26

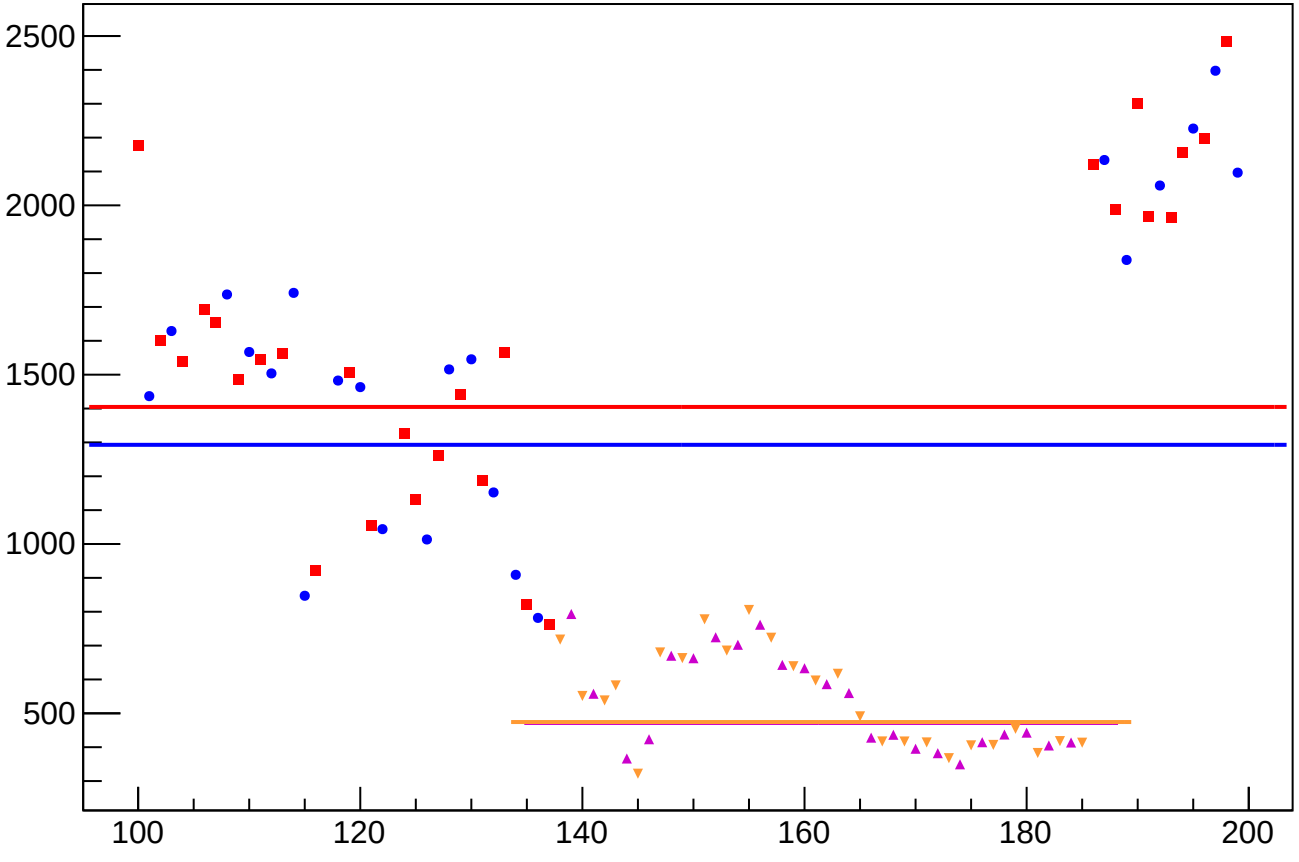
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -447.521+/-107.774 χ^2/NDF: 85.1/46

All: -284.009+/-77.023 χ^2/NDF: 144.0/96

- sign -113.309+/-110.117 χ^2/NDF: 54.2/49

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1292.861+/-0.287 χ^2/NDF: 2674534.9/21

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1404.726+/-0.293 χ^2/NDF: 2501166.6/26

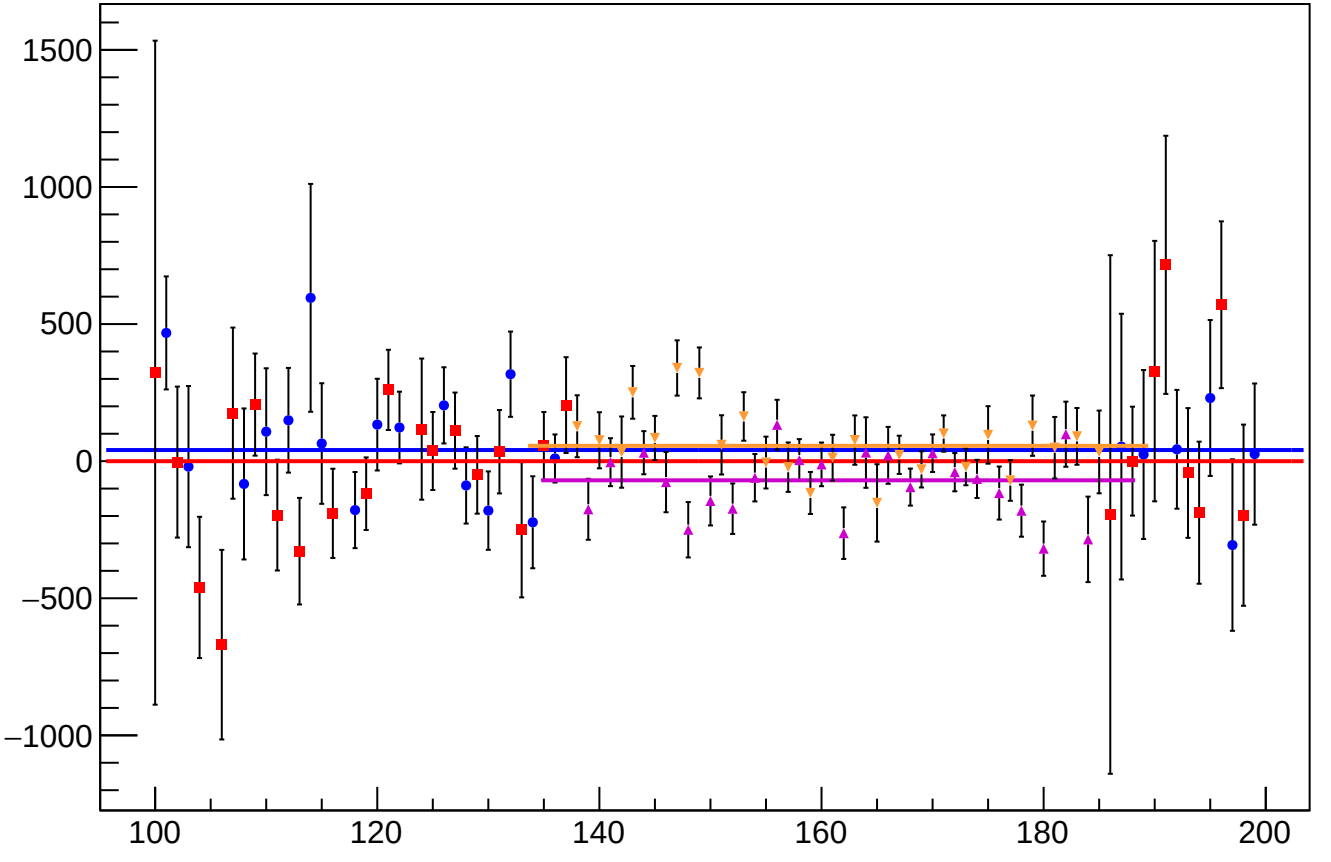
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 531.817+/-0.076 χ^2/NDF: 12751410.7/46

All: 534.522+/-0.054 χ^2/NDF: 26891105.7/96

- sign 537.347+/-0.078 χ^2/NDF: 14137118.4/49

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 40.557+/-37.785 χ^2/NDF: 22.0/21

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -0.096+/-38.312 χ^2/NDF: 28.7/26

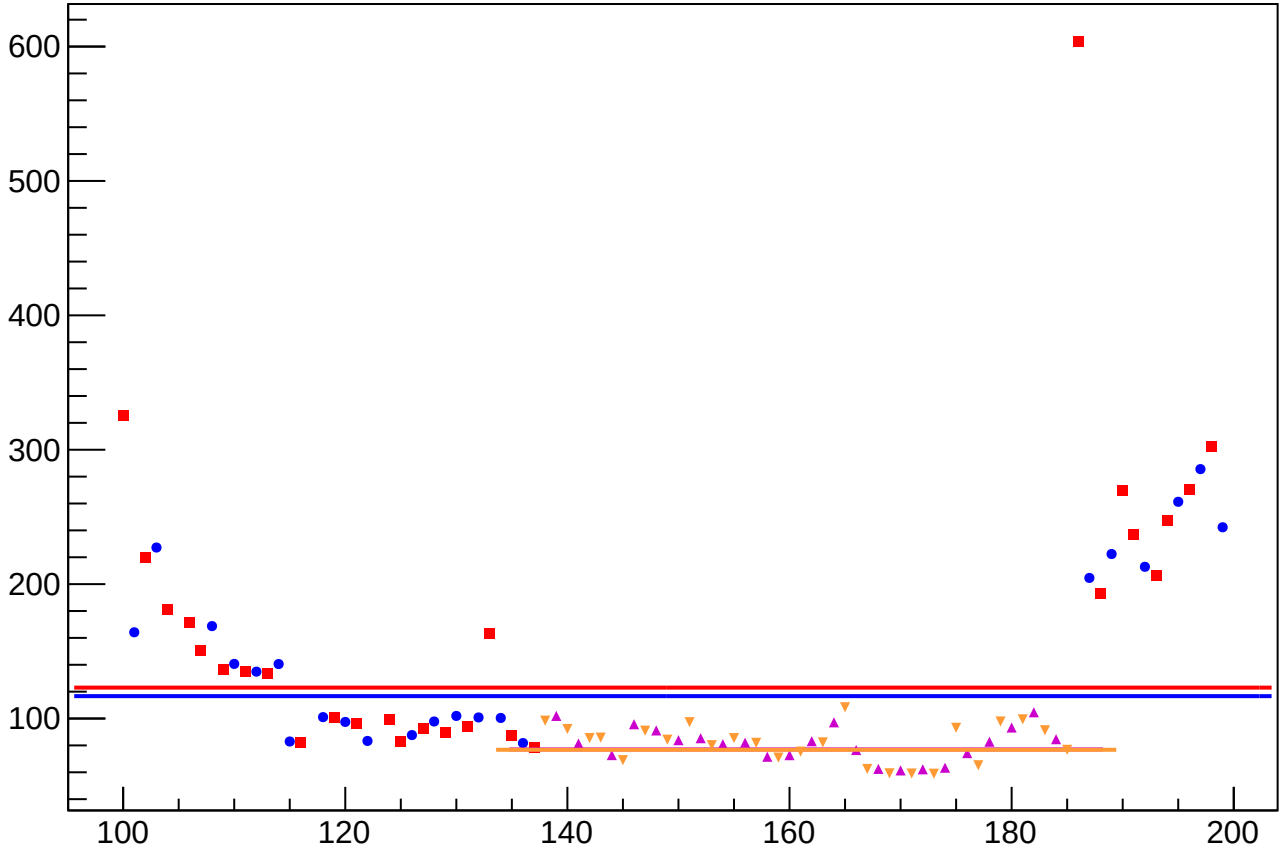
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.114+/-16.213 χ^2/NDF: 60.4/46

All: -0.290+/-11.618 χ^2/NDF: 148.6/96

- sign -56.659+/-16.657 χ^2/NDF: 65.9/49

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 116.660+/-0.027 χ^2/NDF: 3511033.9/21

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

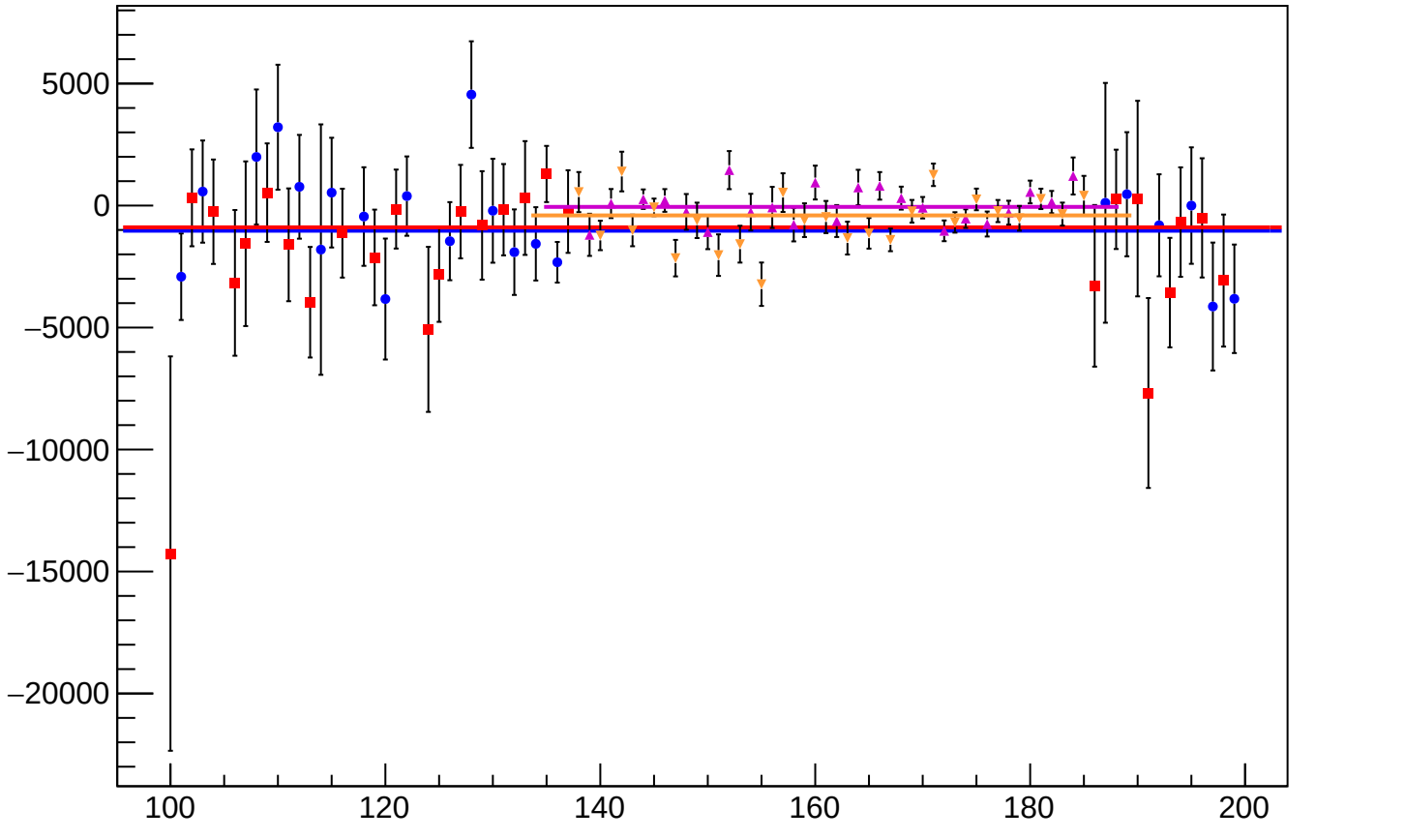
Right Out: 123.001+/-0.027 χ^2/NDF: 4379478.5/26

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

\+ sign 84.093+/-0.011 χ^2/NDF: 6566628.7/46

All: 84.880+/-0.008 χ^2/NDF: 14151124.2/96

\- sign 85.710+/-0.012 χ^2/NDF: 7574812.2/49



Right In: -1031.585+/-406.558 χ^2/NDF: 22.1/21

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

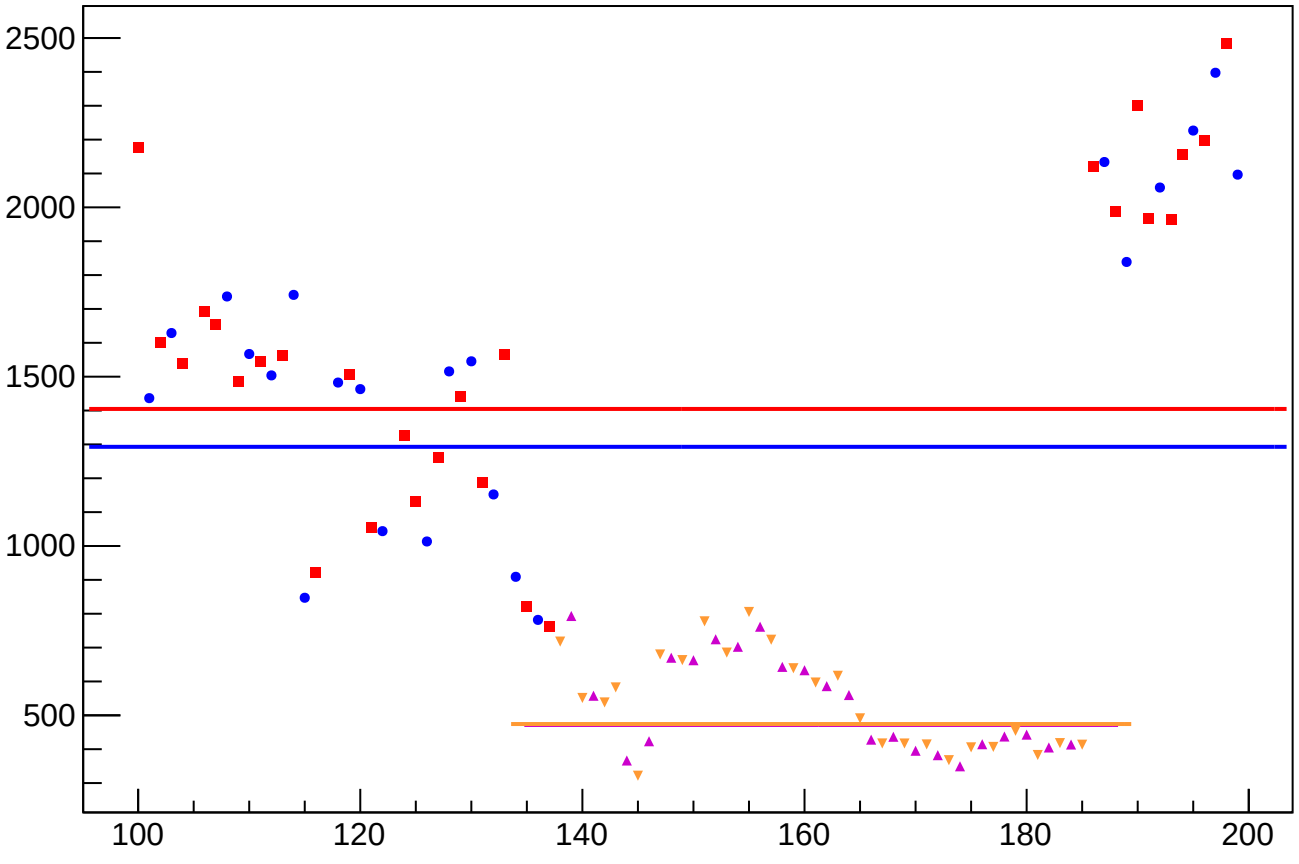
Right Out: -891.519+/-414.424 χ^2/NDF: 19.8/26

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -447.521+/-107.774 χ^2/NDF: 85.1/46

All: -284.008+/-77.023 χ^2/NDF: 144.0/96

- sign -113.309+/-110.117 χ^2/NDF: 54.2/49



Right In: 1292.860+/-0.287 χ^2/NDF: 2674524.7/21

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1404.724+/-0.293 χ^2/NDF: 2501162.0/26

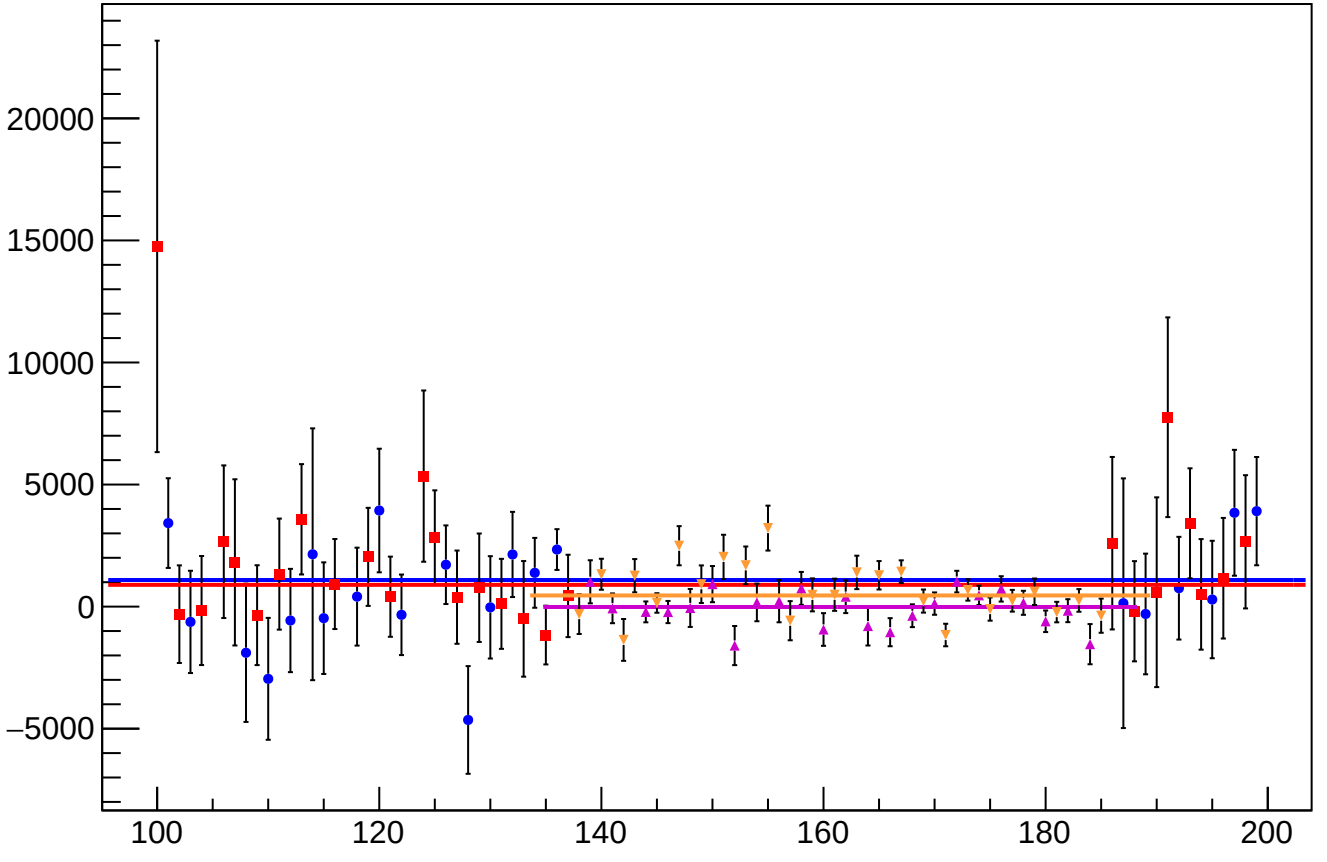
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 531.816+/-0.076 χ^2/NDF: 12751403.3/46

All: 534.522+/-0.054 χ^2/NDF: 26891079.5/96

- sign 537.347+/-0.078 χ^2/NDF: 14137099.5/49

asym_sam_3726_avg_mean vs Slug



Right In: 1089.347+/-406.274 χ^2/NDF: 22.3/21

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 891.936+/-420.062 χ^2/NDF: 17.2/26

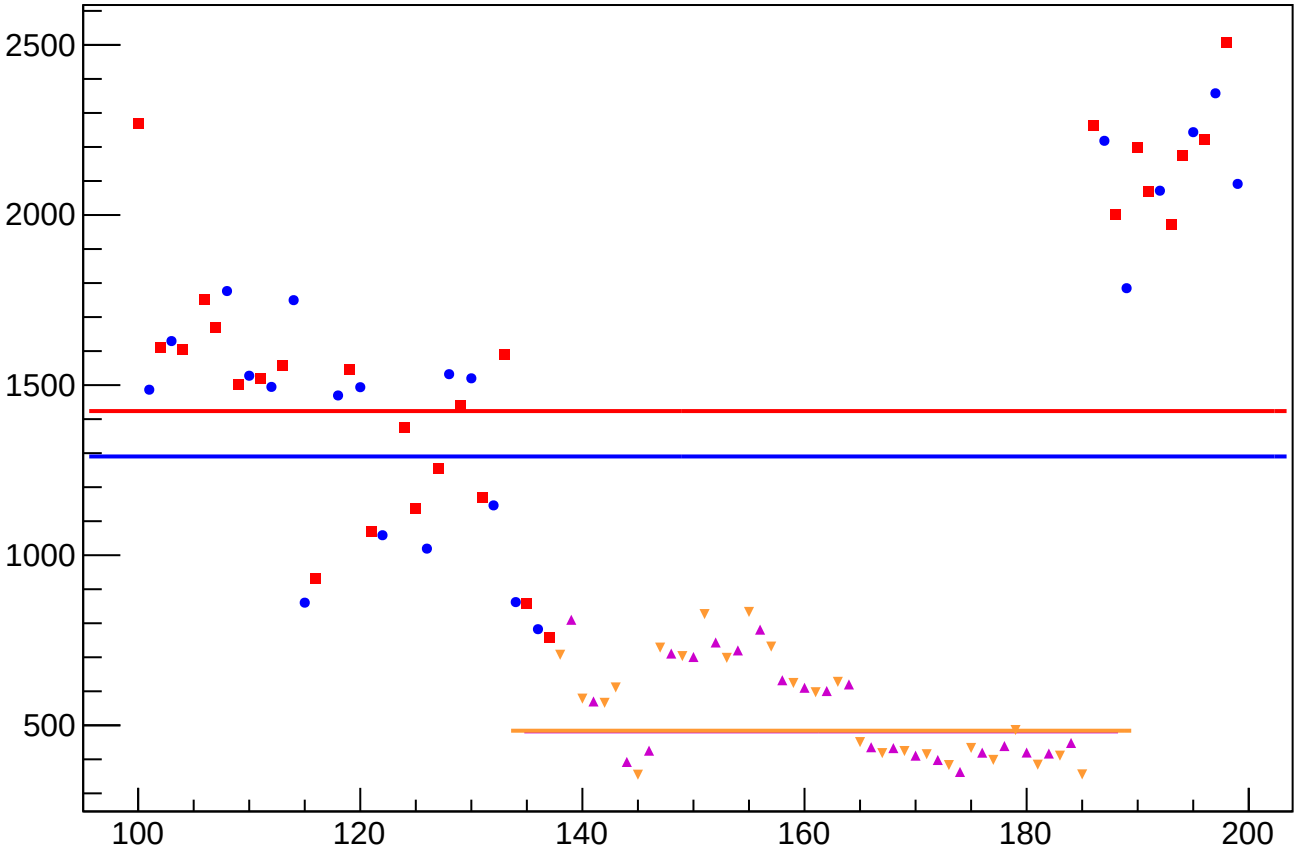
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 503.683+/-110.074 χ^2/NDF: 84.0/46

All: 281.621+/-78.658 χ^2/NDF: 144.1/96

- sign 49.901+/-112.442 χ^2/NDF: 51.8/49

asym_sam_3726_avg_rms vs Slug



Right In: 1290.279+/-0.287 χ^2/NDF: 2702576.3/21

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

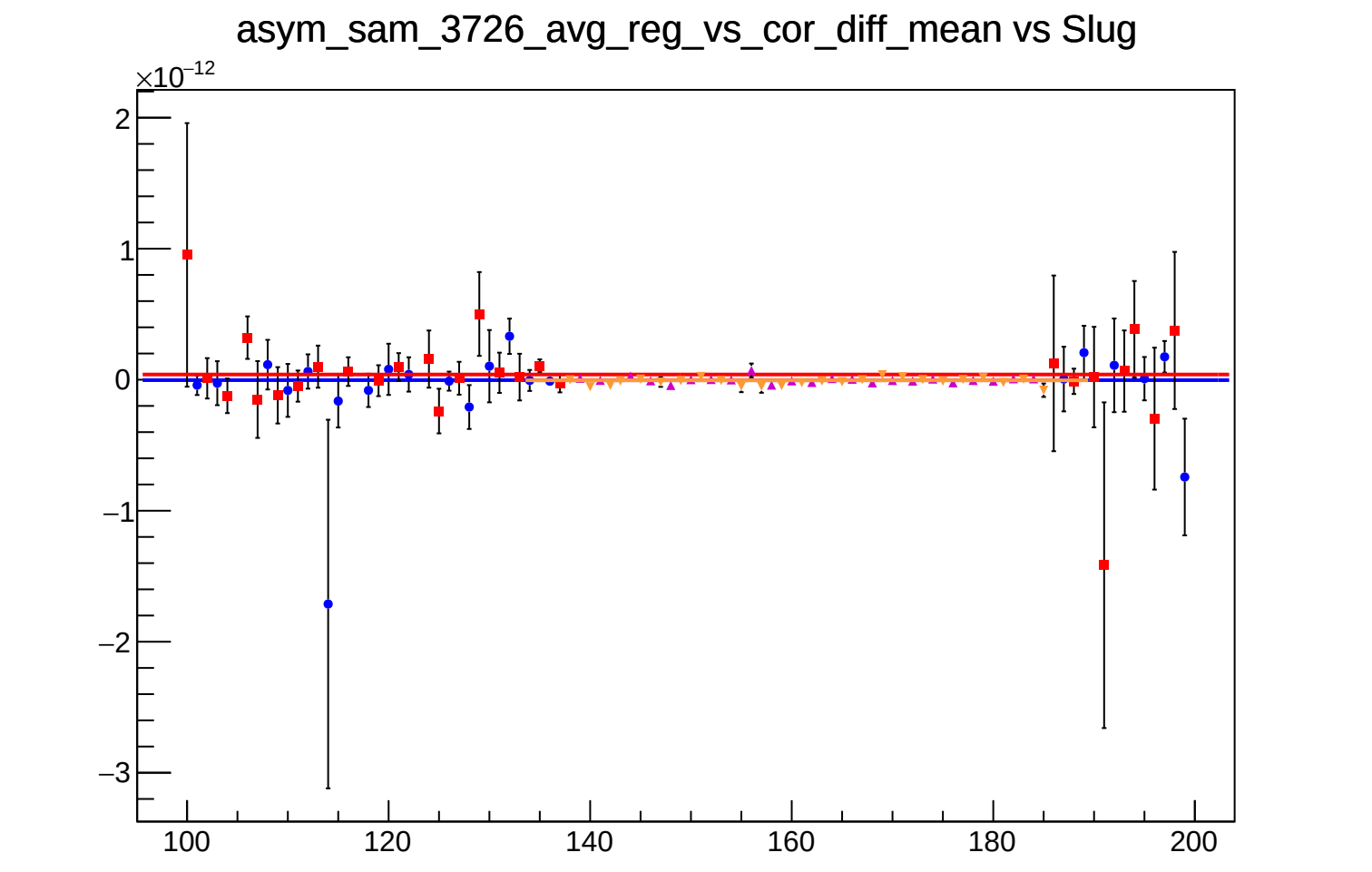
Right Out: 1423.690+/-0.297 χ^2/NDF: 2462921.9/26

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 543.305+/-0.078 χ^2/NDF: 12547562.1/46

All: 546.397+/-0.056 χ^2/NDF: 26528270.2/96

- sign 549.623+/-0.080 χ^2/NDF: 13977483.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/26

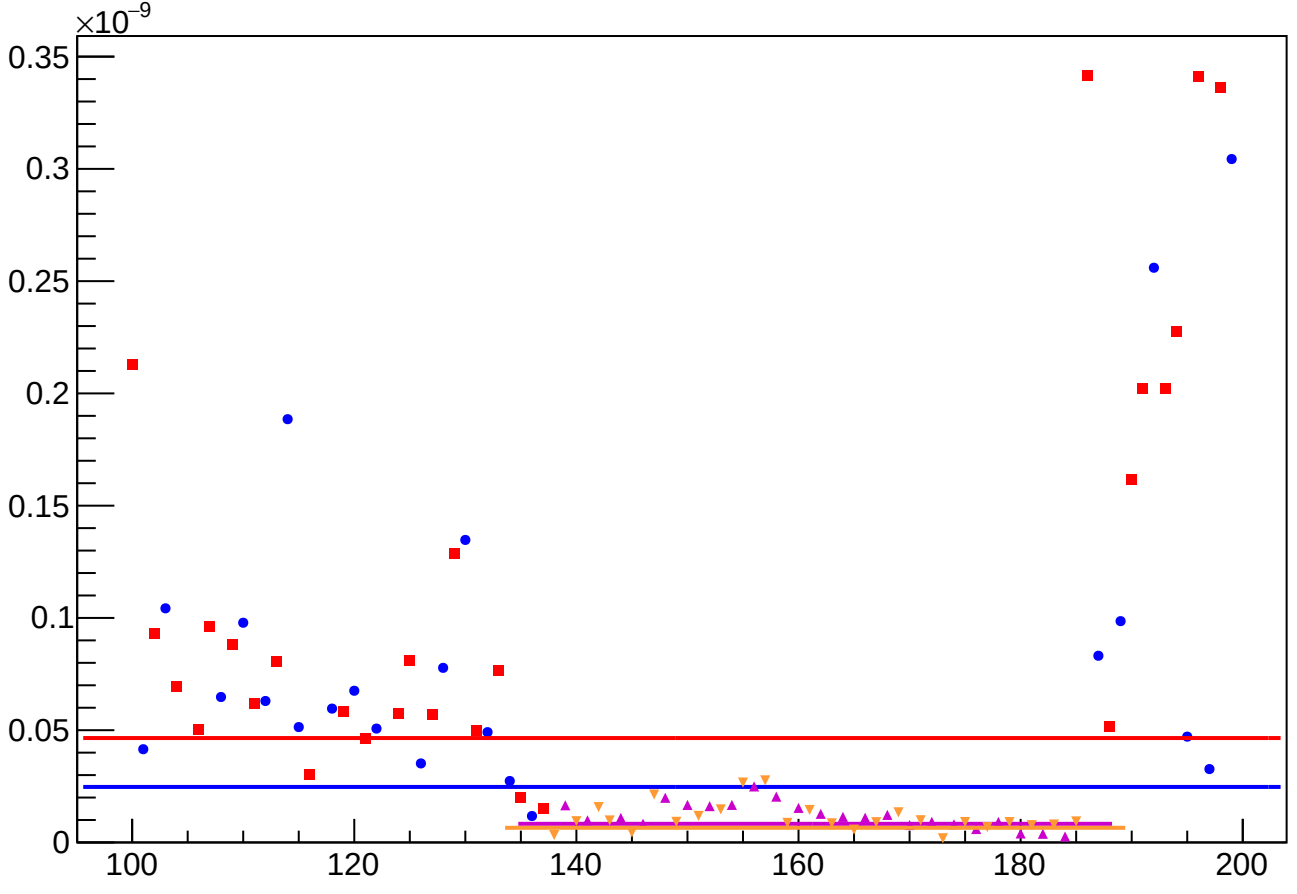
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.9/46

All: -0.000+/-0.000 χ^2/NDF: 85.7/96

- sign -0.000+/-0.000 χ^2/NDF: 36.7/49

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4925714.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4570624.8/26

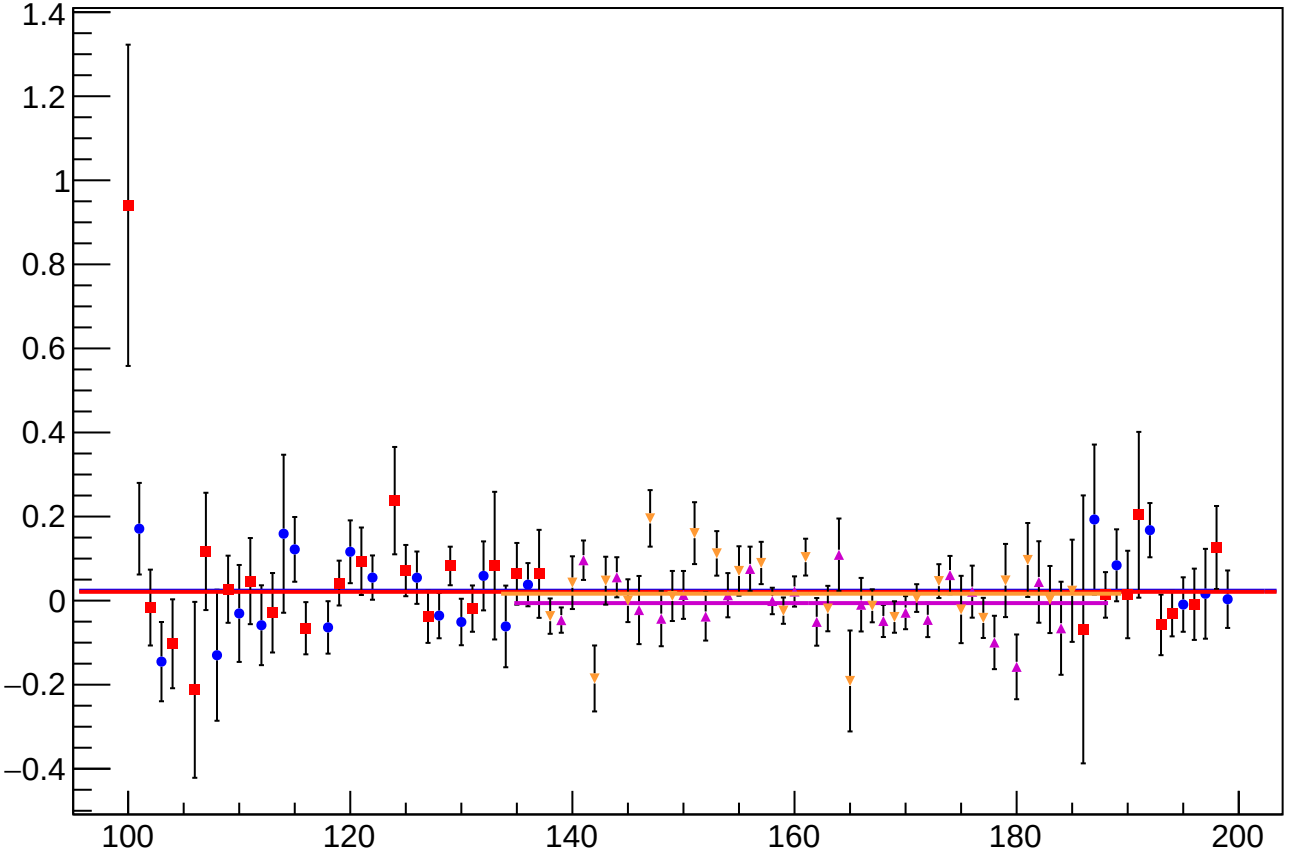
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10890483.5/46

All: 0.000+/-0.000 χ^2/NDF: 22888155.0/96

- sign 0.000+/-0.000 χ^2/NDF: 11671813.8/49

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.021+/-0.015 χ^2/NDF: 24.1/26

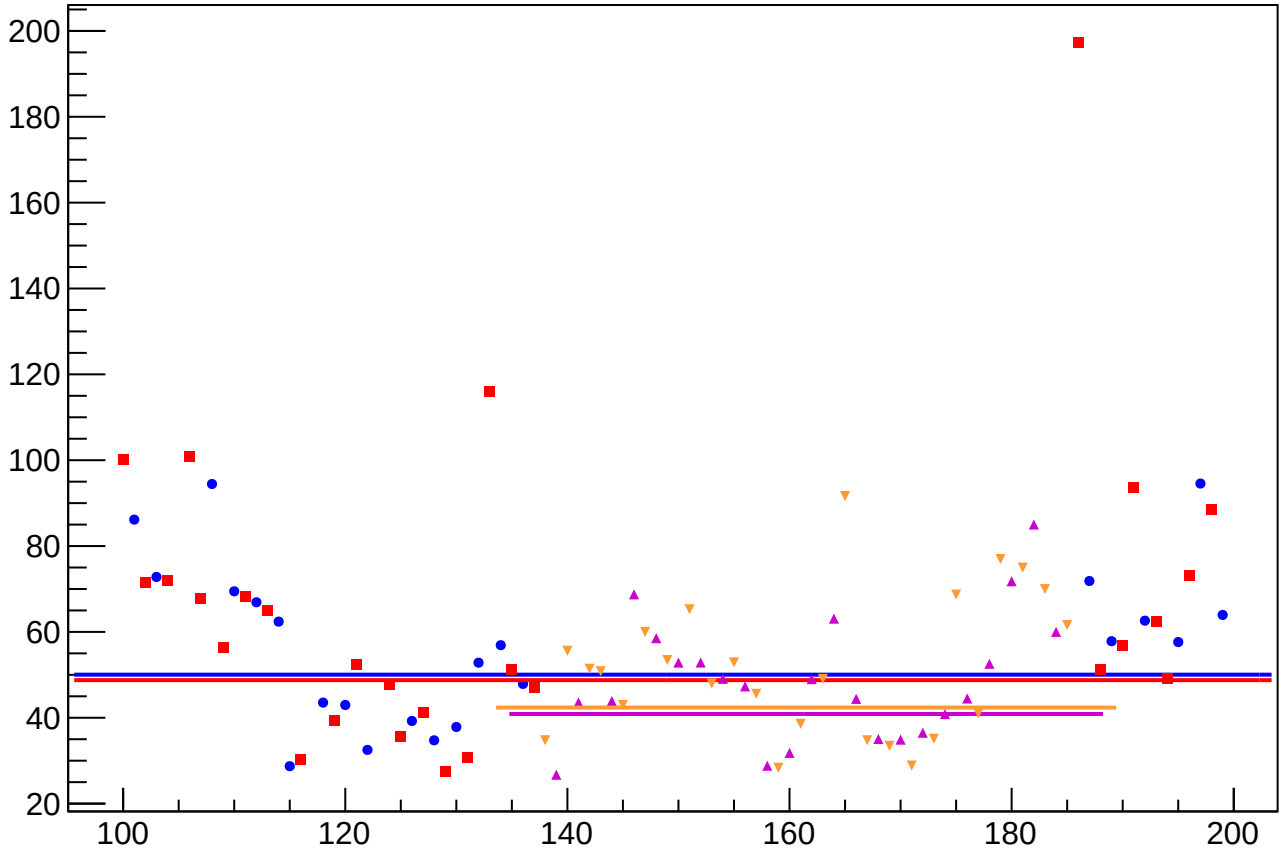
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/46

All: 0.010+/-0.006 χ^2/NDF: 119.1/96

- sign 0.003+/-0.009 χ^2/NDF: 52.2/49

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.039+/-0.011 χ^2/NDF: 1955319.3/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

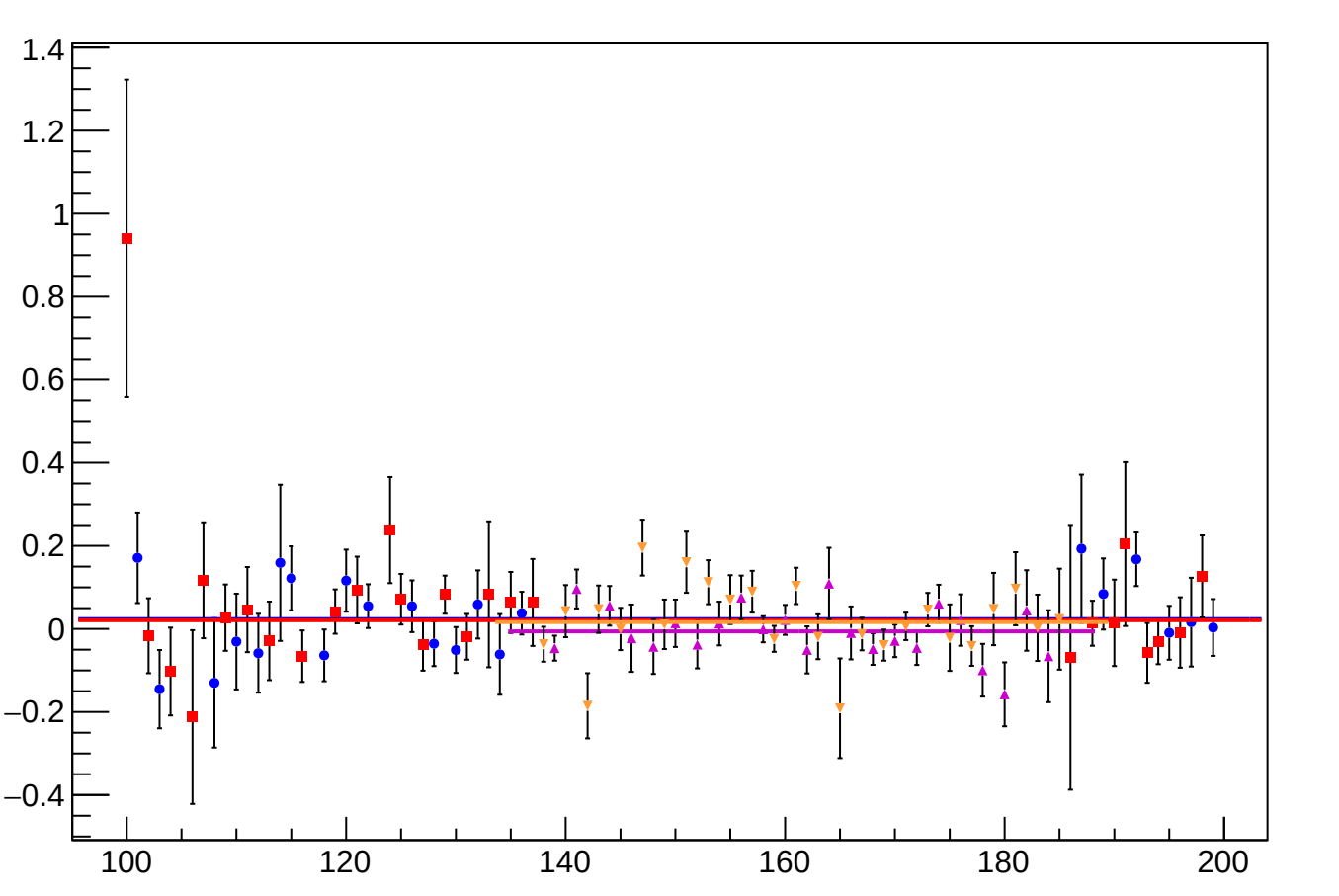
Right Out: 48.759+/-0.011 χ^2/NDF: 2992916.7/26

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

\+ sign 44.644+/-0.006 χ^2/NDF: 5471102.7/46

All: 43.994+/-0.004 χ^2/NDF: 11535402.0/96

\- sign 43.370+/-0.006 χ^2/NDF: 6042337.3/49



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.021+/-0.015 χ^2/NDF: 24.1/26

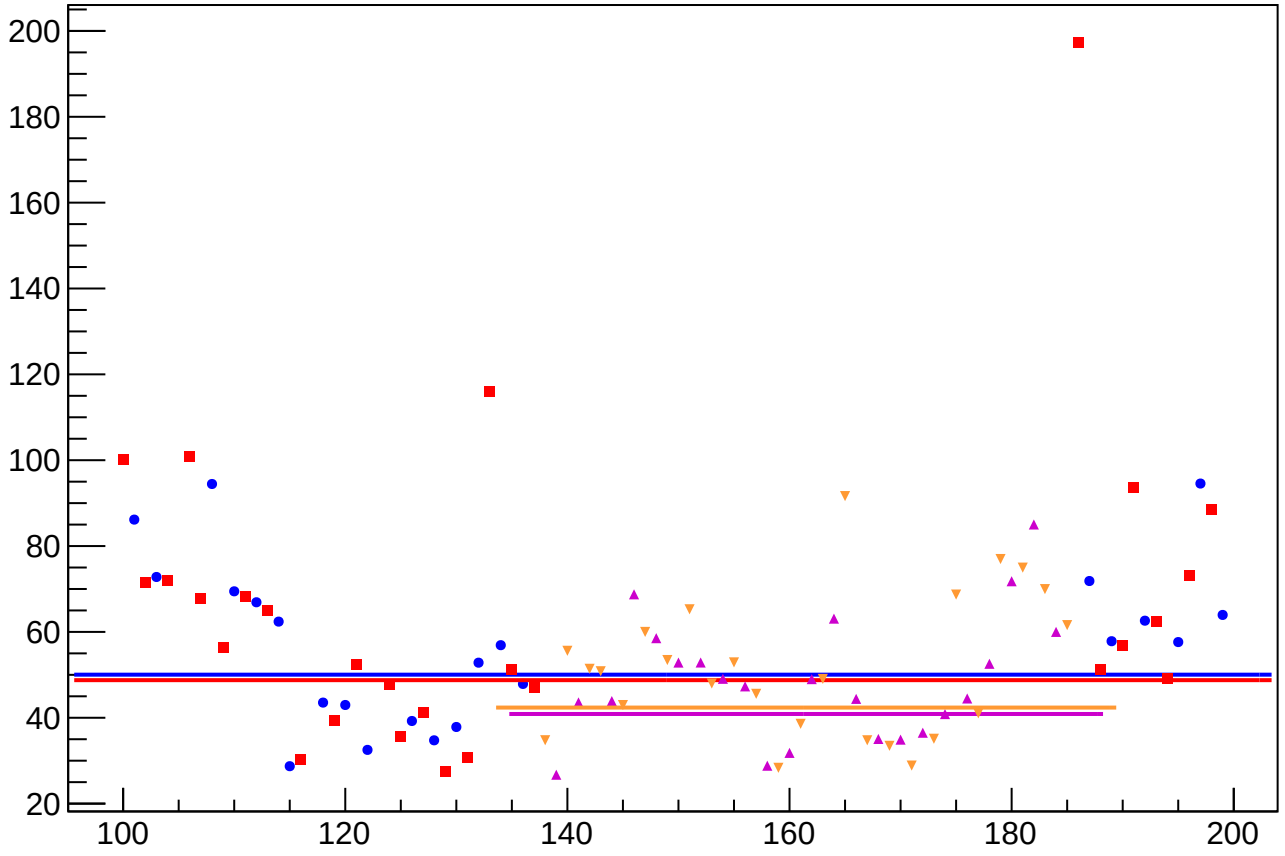
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/46

All: 0.010+/-0.006 χ^2/NDF: 119.1/96

- 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: 50.039+/-0.011 χ^2/NDF: 1955319.3/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

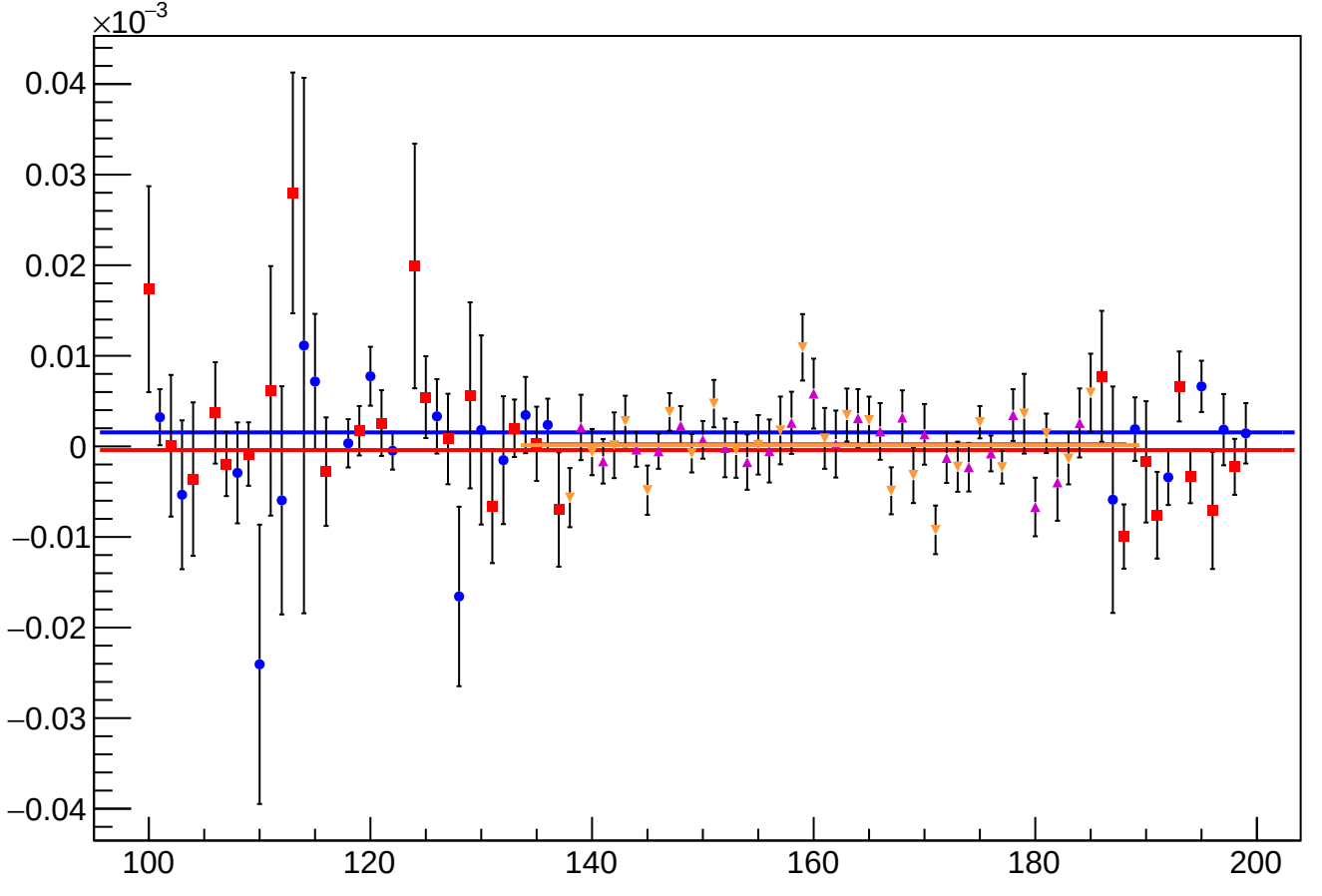
Right Out: 48.759+/-0.011 χ^2/NDF: 2992916.7/26

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.644+/-0.006 χ^2/NDF: 5471102.7/46

All: 43.994+/-0.004 χ^2/NDF: 11535402.0/96

- sign 43.370+/-0.006 χ^2/NDF: 6042337.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

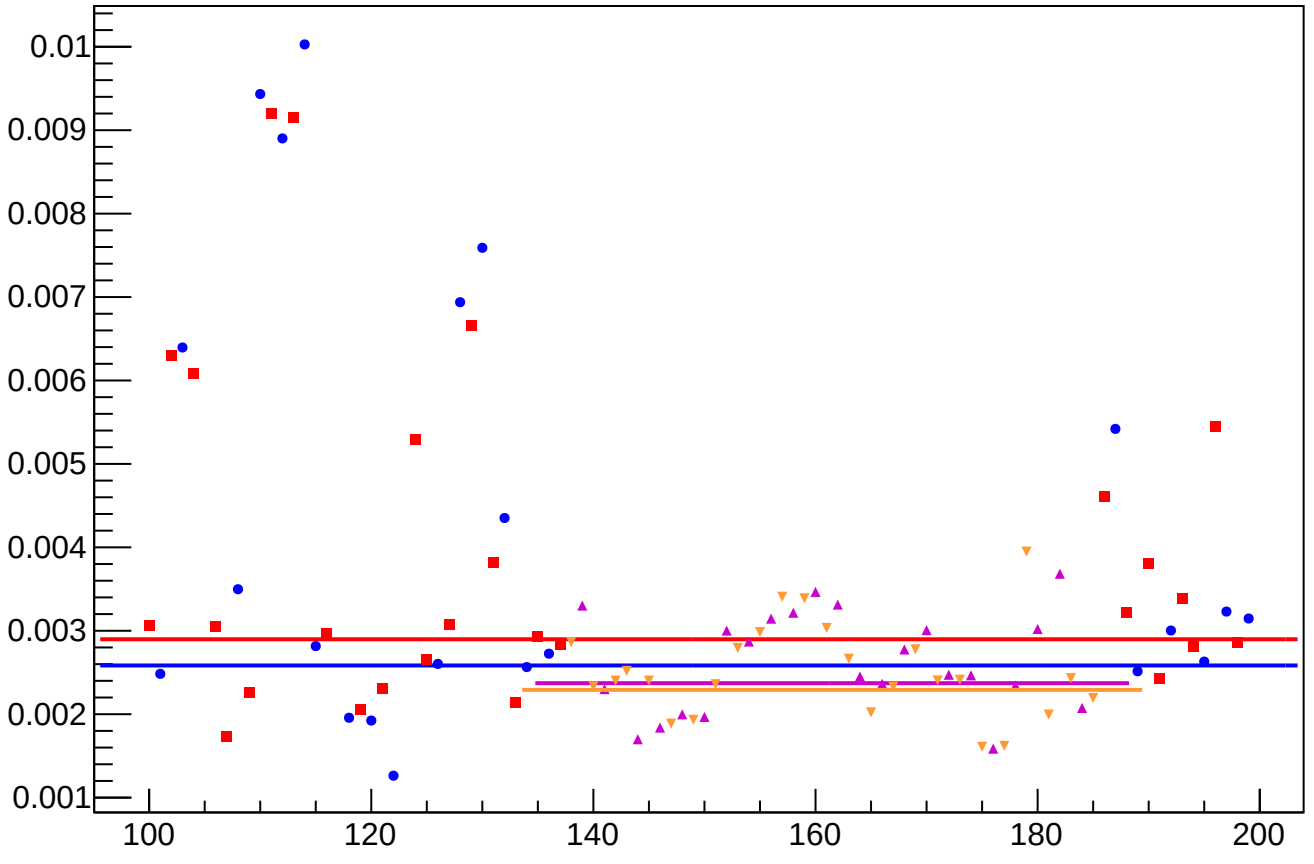
Right Out: -0.000+/-0.000 χ^2/NDF: 33.1/26

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.3/46

All: 0.000+/-0.000 χ^2/NDF: 122.2/96

- sign 0.000+/-0.000 χ^2/NDF: 49.3/49



Right In: 0.003+/-0.000 χ^2/NDF: 3737160.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

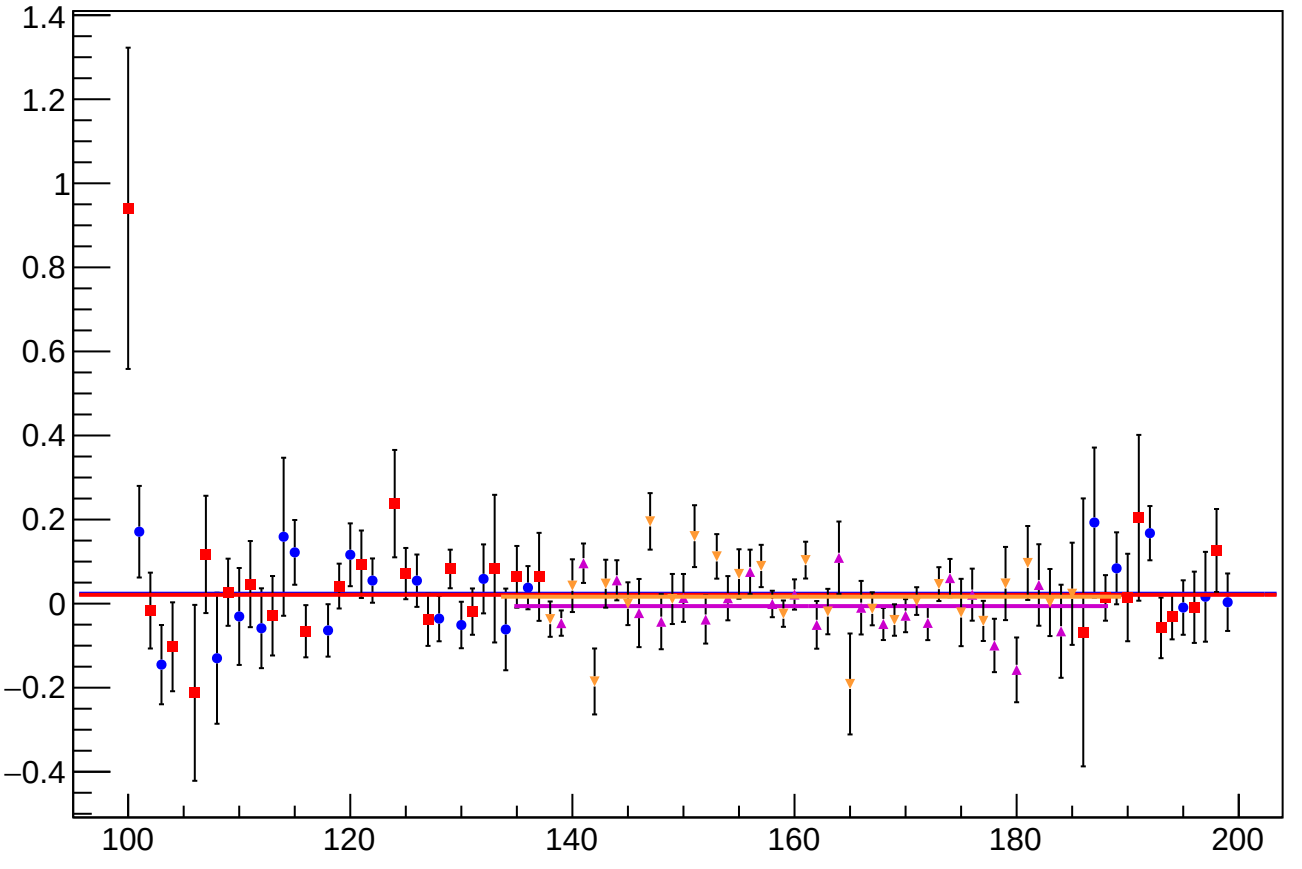
Right Out: 0.003+/-0.000 χ^2/NDF: 3082042.5/26

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5726315.4/46

All: 0.002+/-0.000 χ^2/NDF: 11429990.5/96

- sign 0.003+/-0.000 χ^2/NDF: 5597141.6/49



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

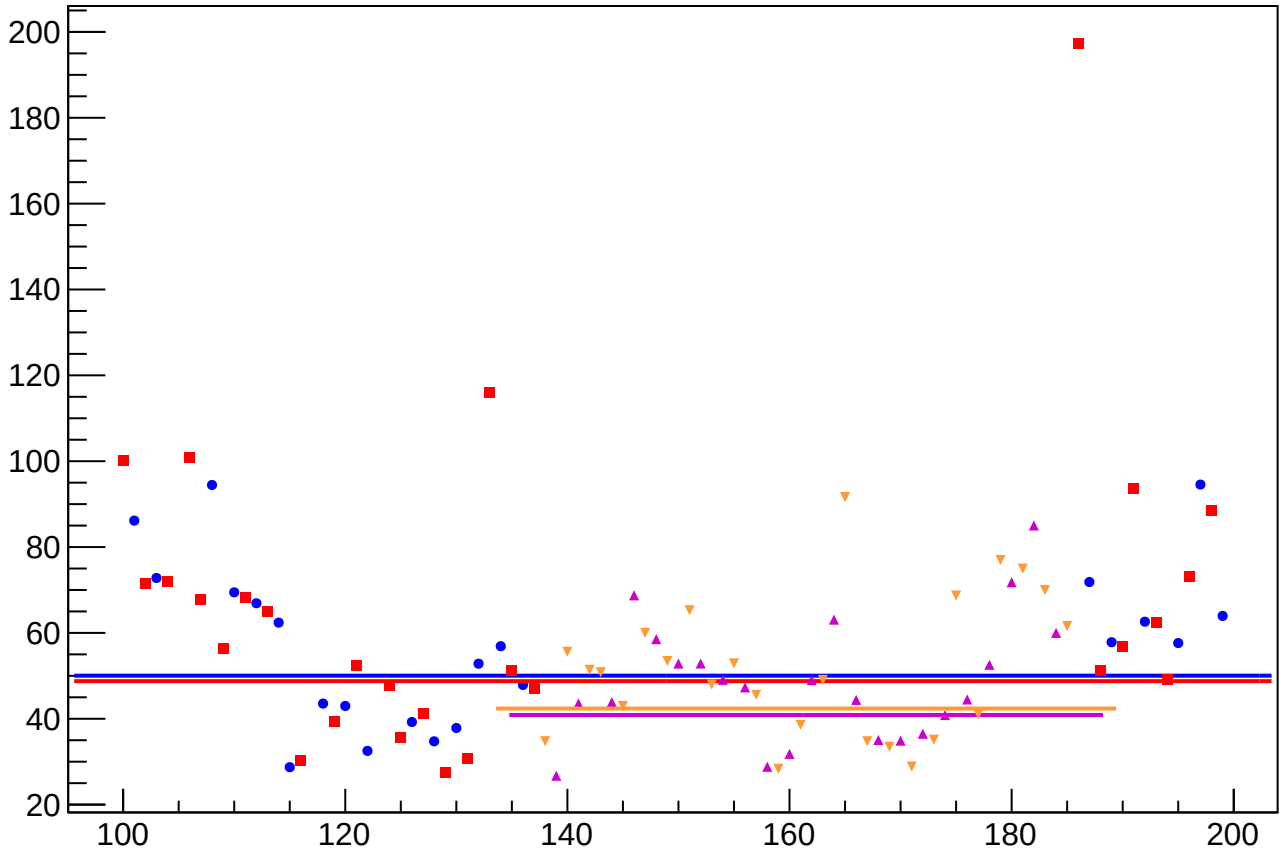
Right Out: 0.021+/-0.015 χ^2/NDF: 24.1/26

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/46

All: 0.010+/-0.006 χ^2/NDF: 119.1/96

- sign 0.003+/-0.009 χ^2/NDF: 52.2/49



Right In: 50.039+/-0.011 χ^2/NDF: 1955266.6/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 48.759+/-0.011 χ^2/NDF: 2992797.6/26

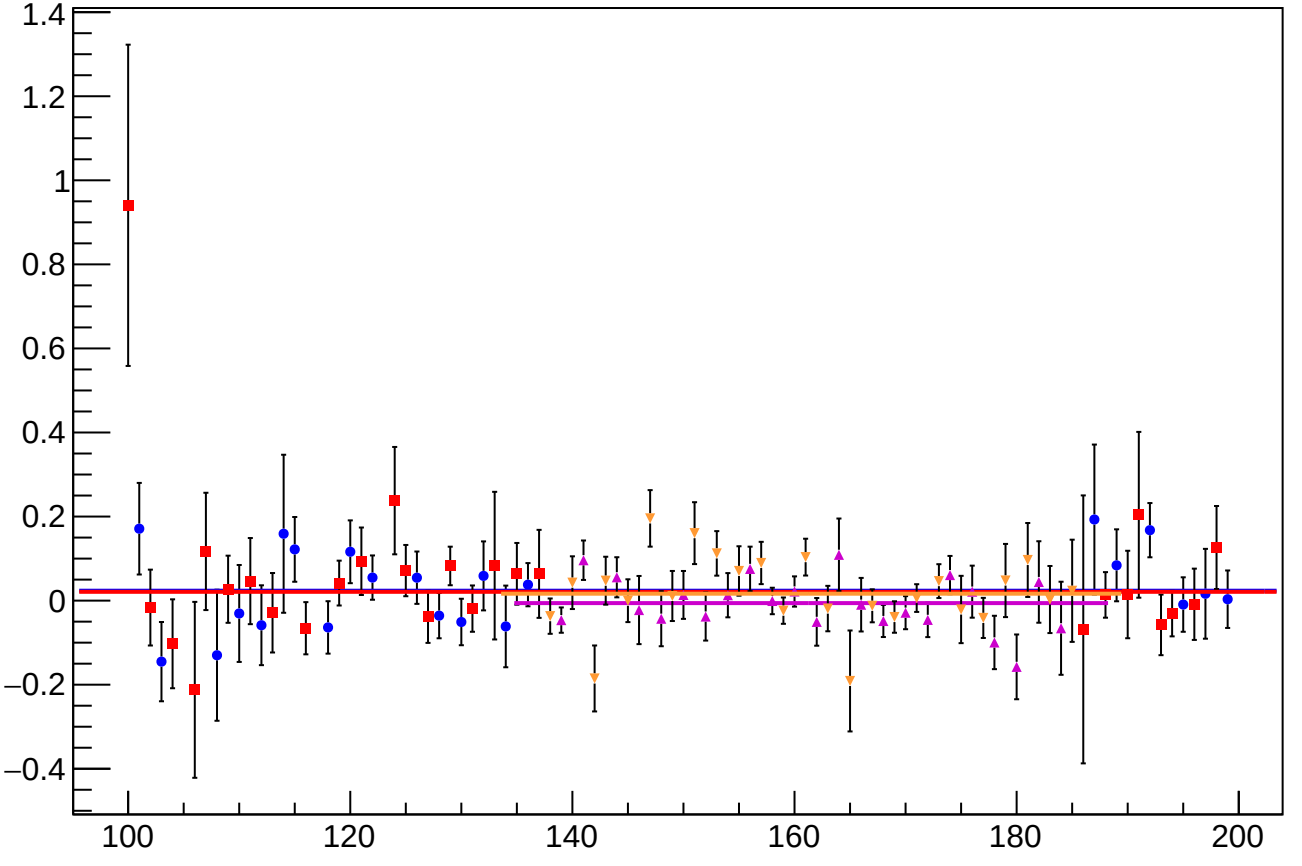
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.644+/-0.006 χ^2/NDF: 5471050.2/46

All: 43.994+/-0.004 χ^2/NDF: 11535233.5/96

- sign 43.371+/-0.006 χ^2/NDF: 6042225.3/49

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

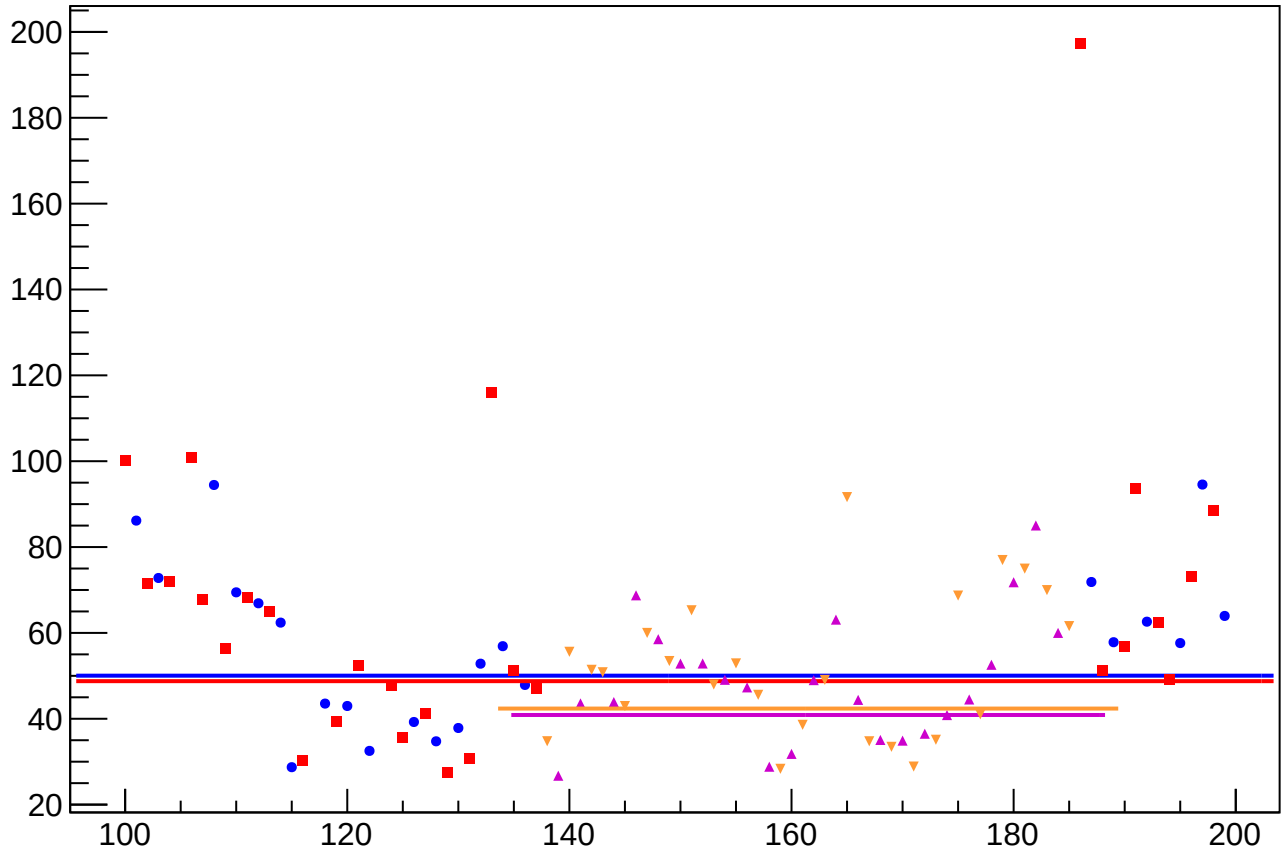
Right Out: 0.021+/-0.015 χ^2/NDF: 24.1/26

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/46

All: 0.010+/-0.006 χ^2/NDF: 119.1/96

- sign 0.003+/-0.009 χ^2/NDF: 52.2/49



Right In: 50.039+/-0.011 χ^2/NDF: 1955266.6/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

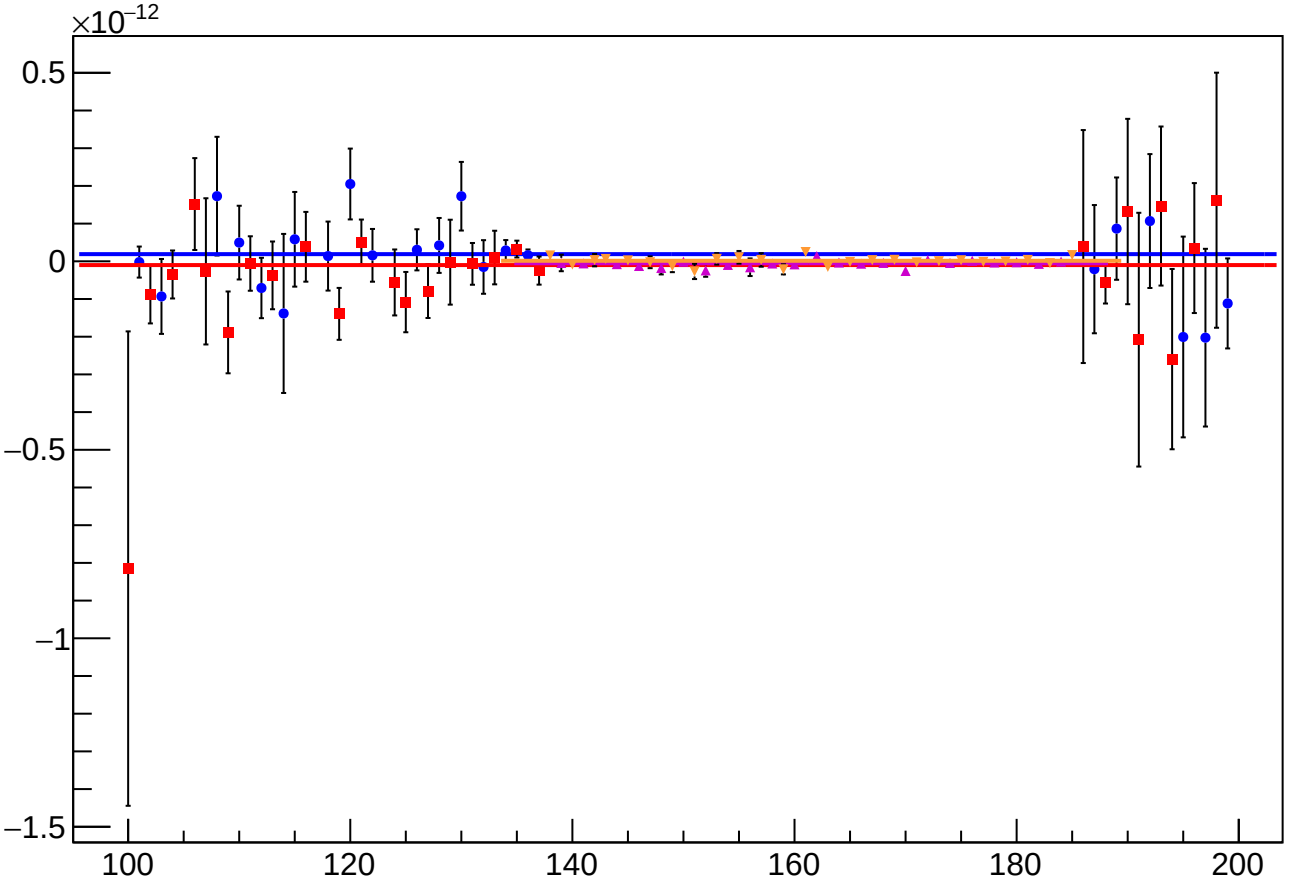
Right Out: 48.759+/-0.011 χ^2/NDF: 2992797.6/26

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.644+/-0.006 χ^2/NDF: 5471050.2/46

All: 43.994+/-0.004 χ^2/NDF: 11535233.5/96

- sign 43.371+/-0.006 χ^2/NDF: 6042225.3/49



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

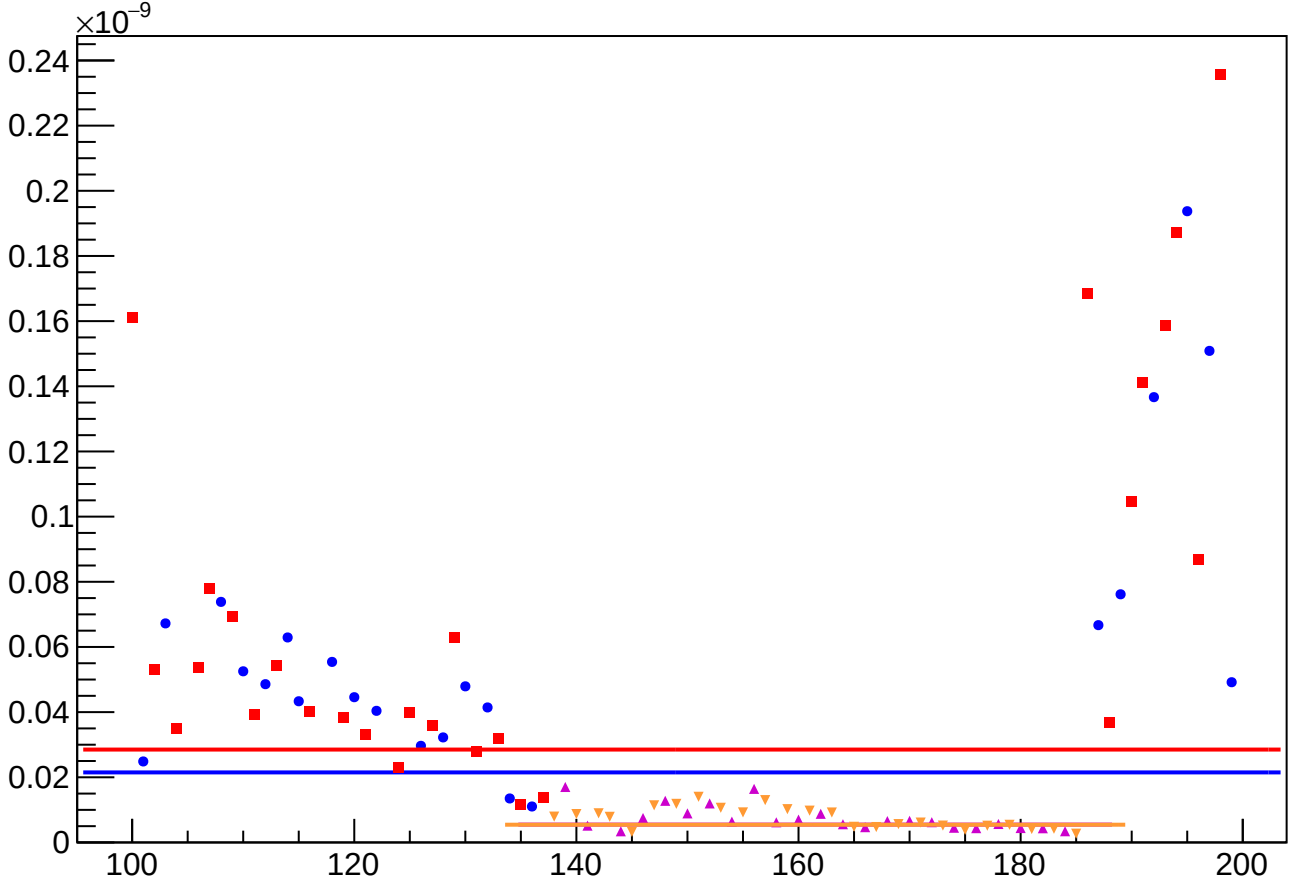
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/26

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/46

All: -0.000+/-0.000 χ^2/NDF: 80.9/96

- sign -0.000+/-0.000 χ^2/NDF: 35.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 6150448.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6293418.1/26

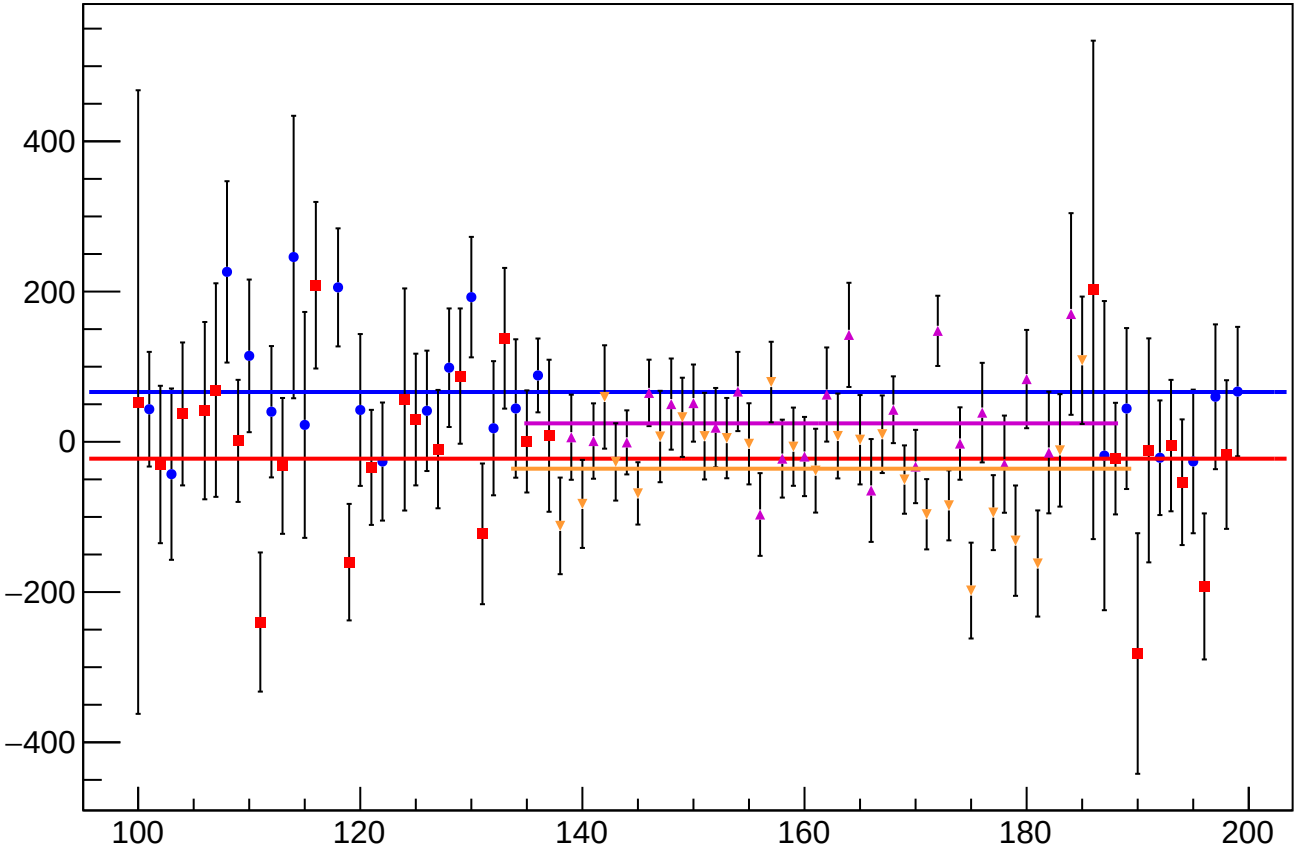
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

\+ sign 0.000+/-0.000 χ^2/NDF: 14076731.9/46

All: 0.000+/-0.000 χ^2/NDF: 29186968.0/96

\- sign 0.000+/-0.000 χ^2/NDF: 15108834.6/49

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 66.308+/-18.888 χ^2/NDF: 14.4/21

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.439+/-18.583 χ^2/NDF: 27.0/26

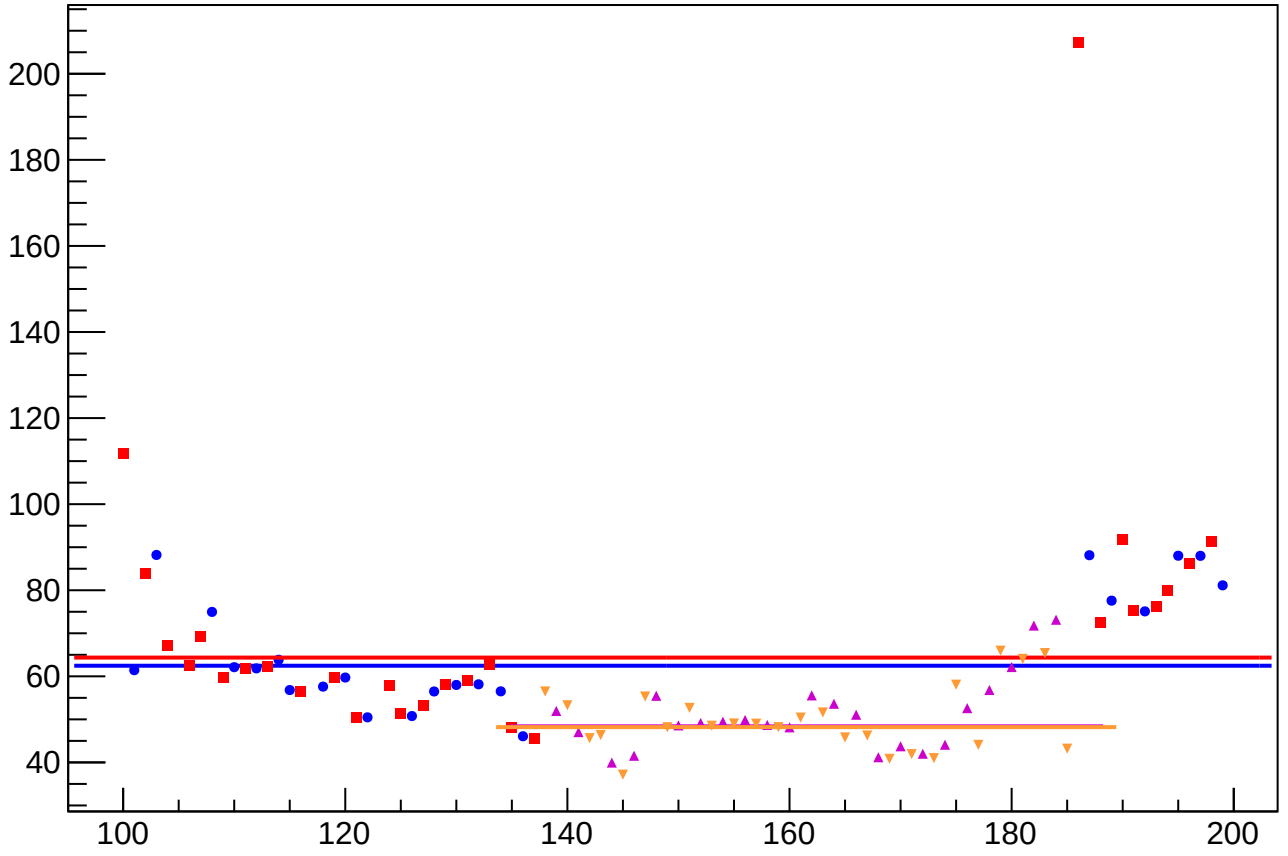
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

\+ sign -9.511+/-9.582 χ^2/NDF: 69.8/46

All: 0.850+/-6.838 χ^2/NDF: 129.6/96

\- sign 11.601+/-9.761 χ^2/NDF: 57.4/49

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 62.461+/-0.013 χ^2/NDF: 981263.5/21

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

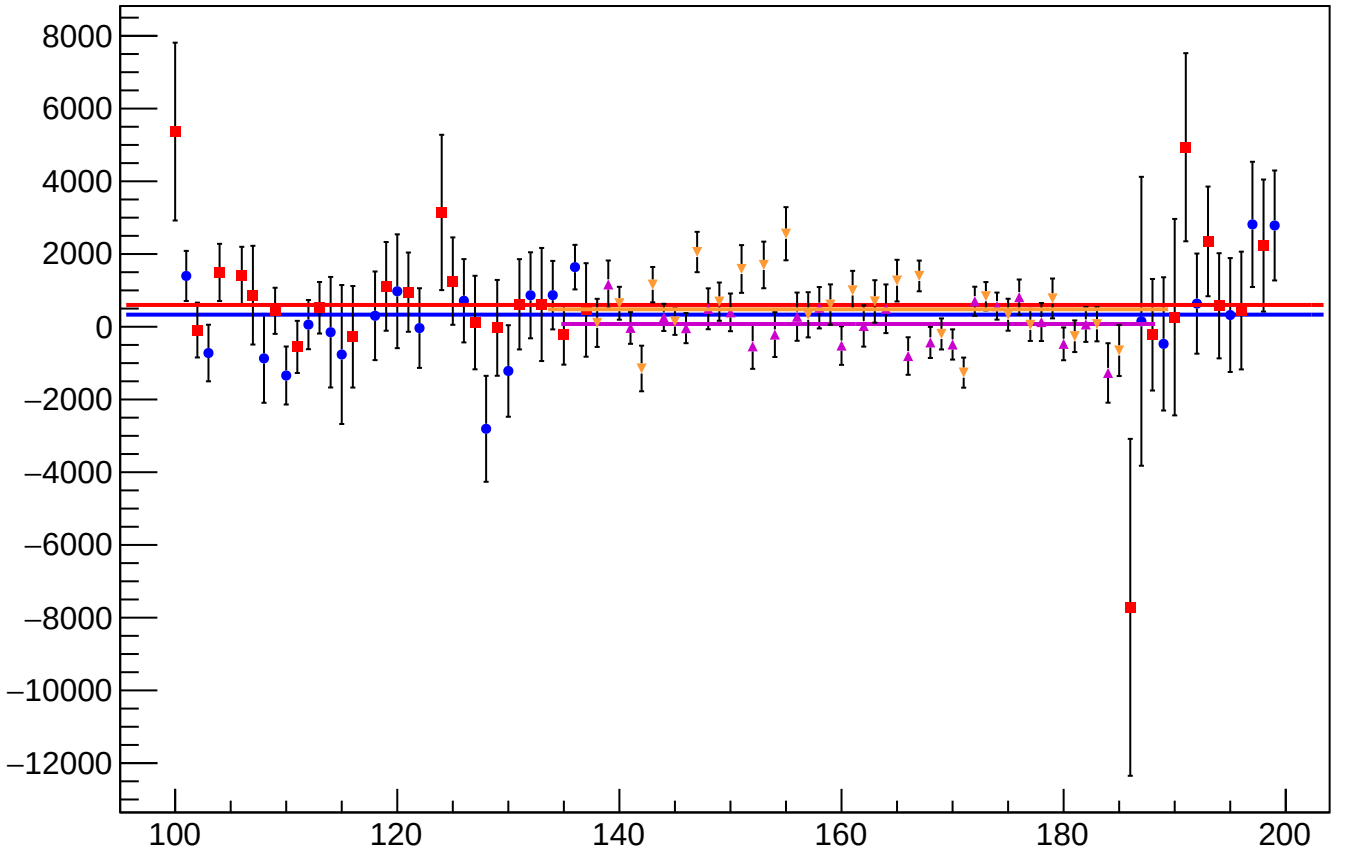
Right Out: 64.356+/-0.013 χ^2/NDF: 1299383.2/26

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.869+/-0.007 χ^2/NDF: 2608427.3/46

All: 52.320+/-0.005 χ^2/NDF: 5682489.6/96

- sign 52.788+/-0.007 χ^2/NDF: 3065028.3/49



Right In: 333.044+/-227.885 χ^2/NDF: 26.8/21

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 599.527+/-214.539 χ^2/NDF: 21.9/26

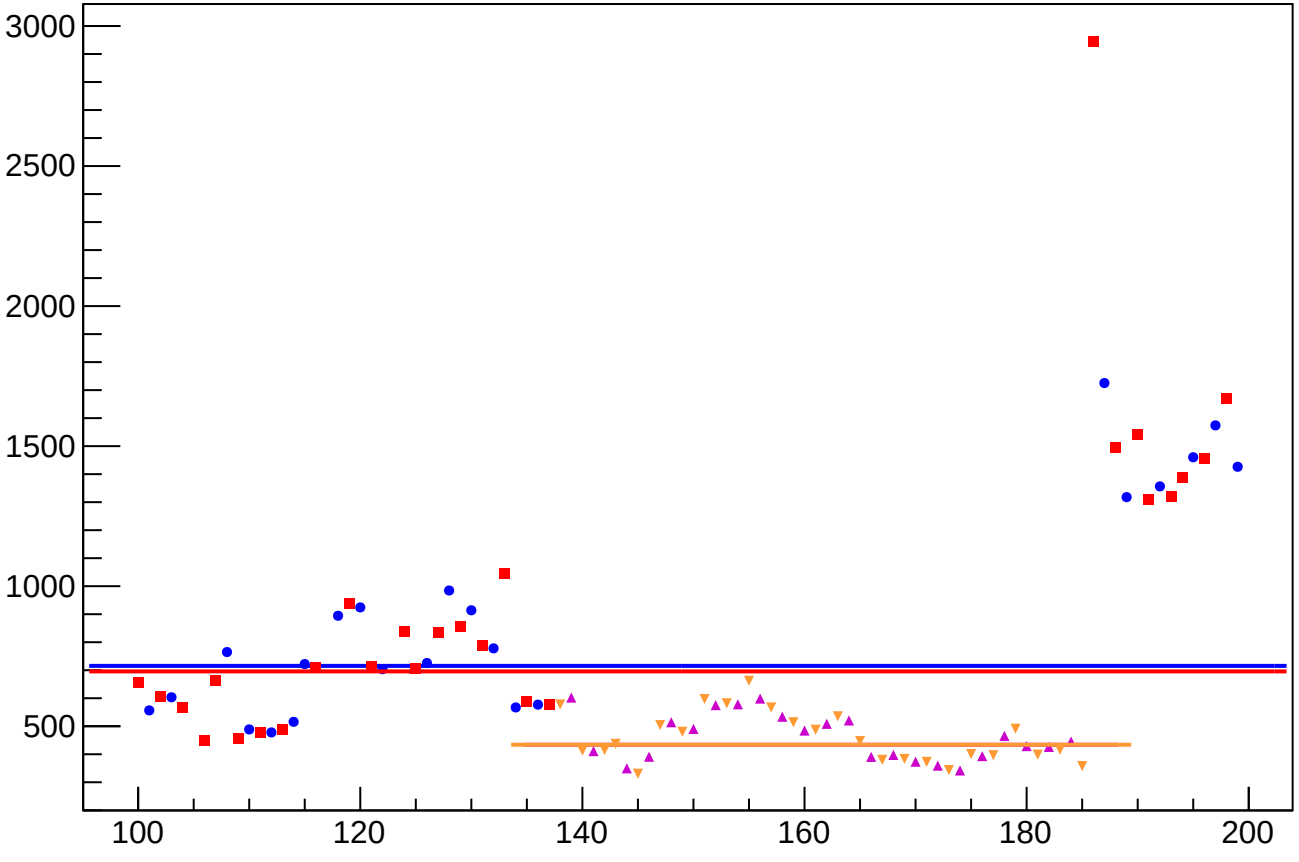
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 456.242+/-91.974 χ^2/NDF: 96.3/46

All: 316.601+/-65.377 χ^2/NDF: 152.2/96

- sign 173.990+/-92.947 χ^2/NDF: 51.2/49

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 715.533+/-0.161 χ^2/NDF: 3119502.2/21

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 695.785+/-0.152 χ^2/NDF: 4366586.7/26

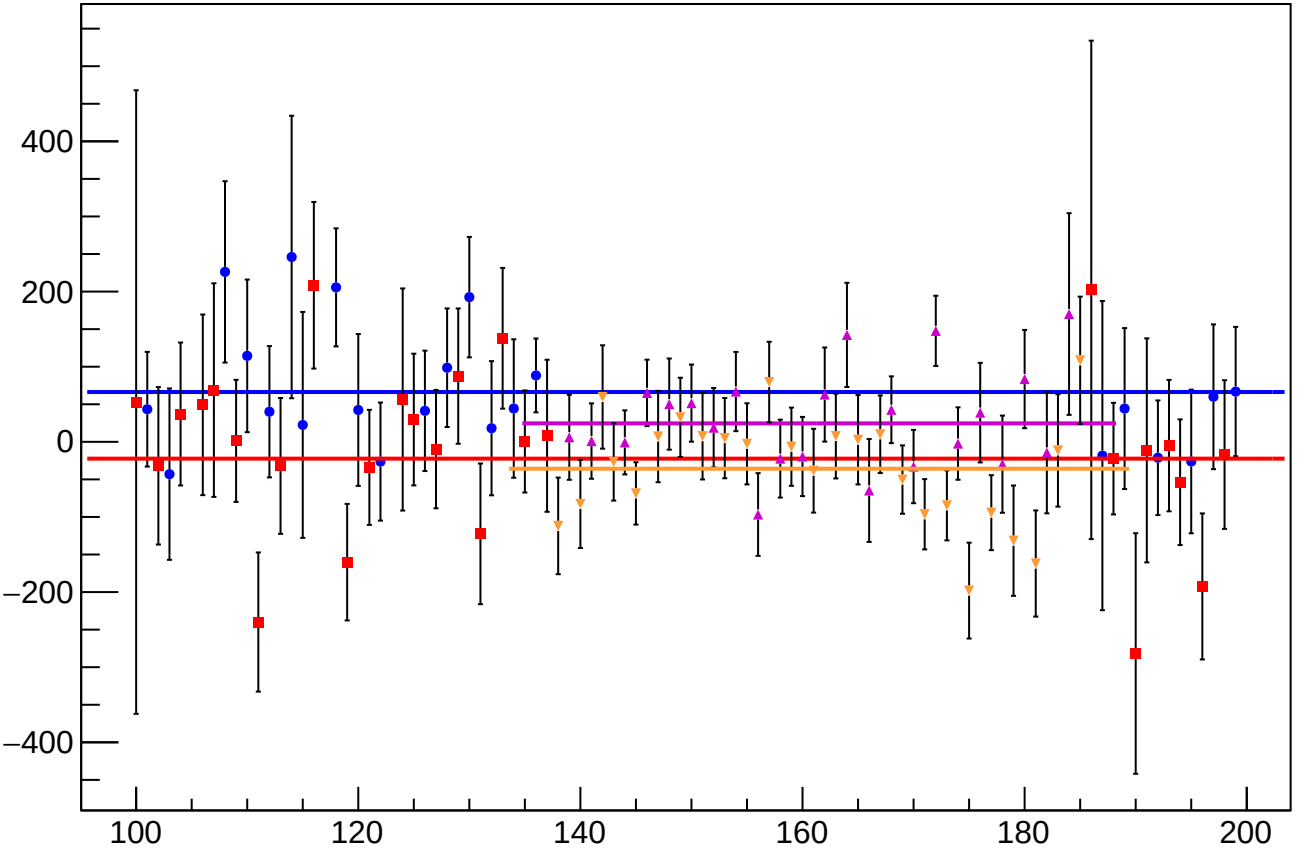
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 479.814+/-0.065 χ^2/NDF: 6919482.6/46

All: 481.346+/-0.046 χ^2/NDF: 14806049.4/96

- sign 482.910+/-0.066 χ^2/NDF: 7885445.3/49

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 66.311+/-18.889 χ^2/NDF: 14.4/21

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.368+/-18.592 χ^2/NDF: 27.1/26

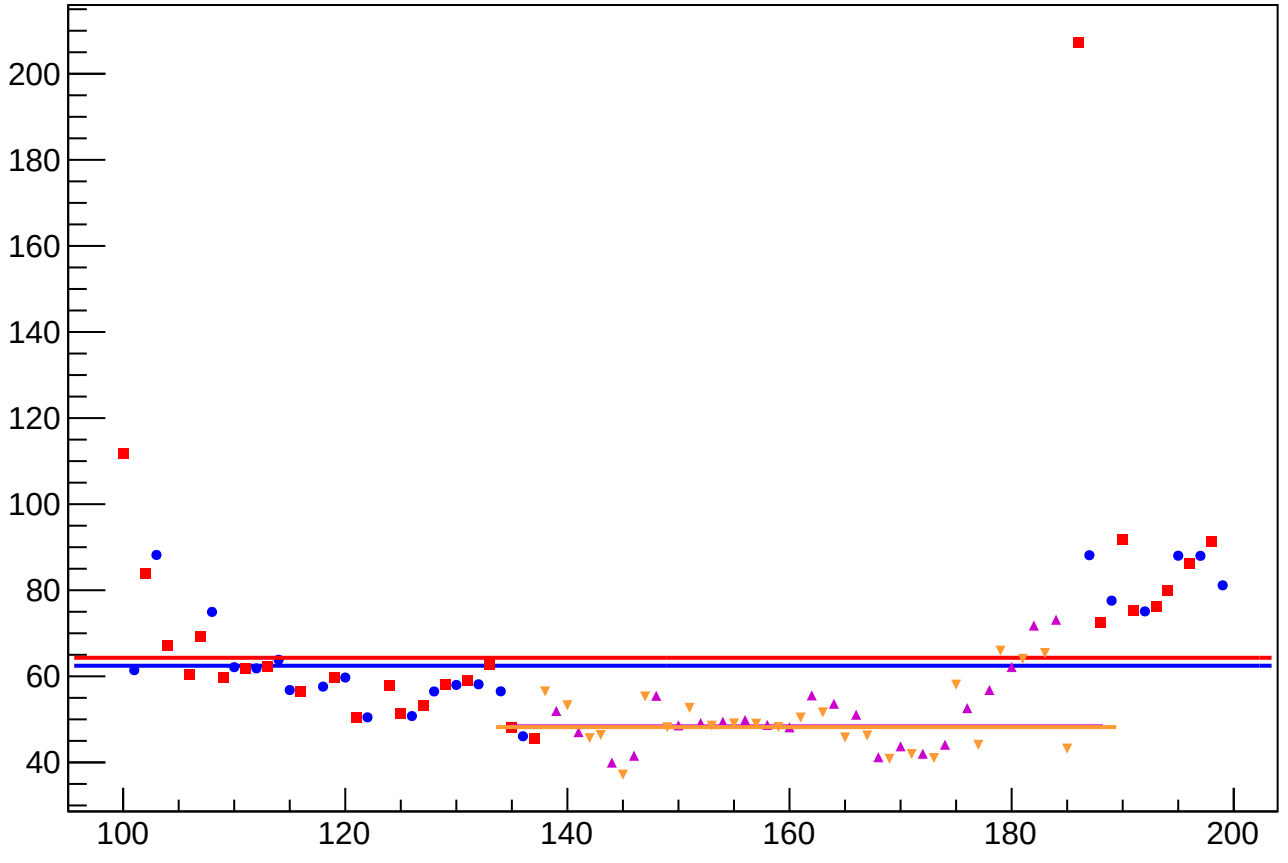
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -9.515+/-9.582 χ^2/NDF: 69.8/46

All: 0.861+/-6.838 χ^2/NDF: 129.7/96

- sign 11.630+/-9.762 χ^2/NDF: 57.4/49

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 62.461+/-0.013 χ^2/NDF: 981266.9/21

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.309+/-0.013 χ^2/NDF: 1301197.6/26

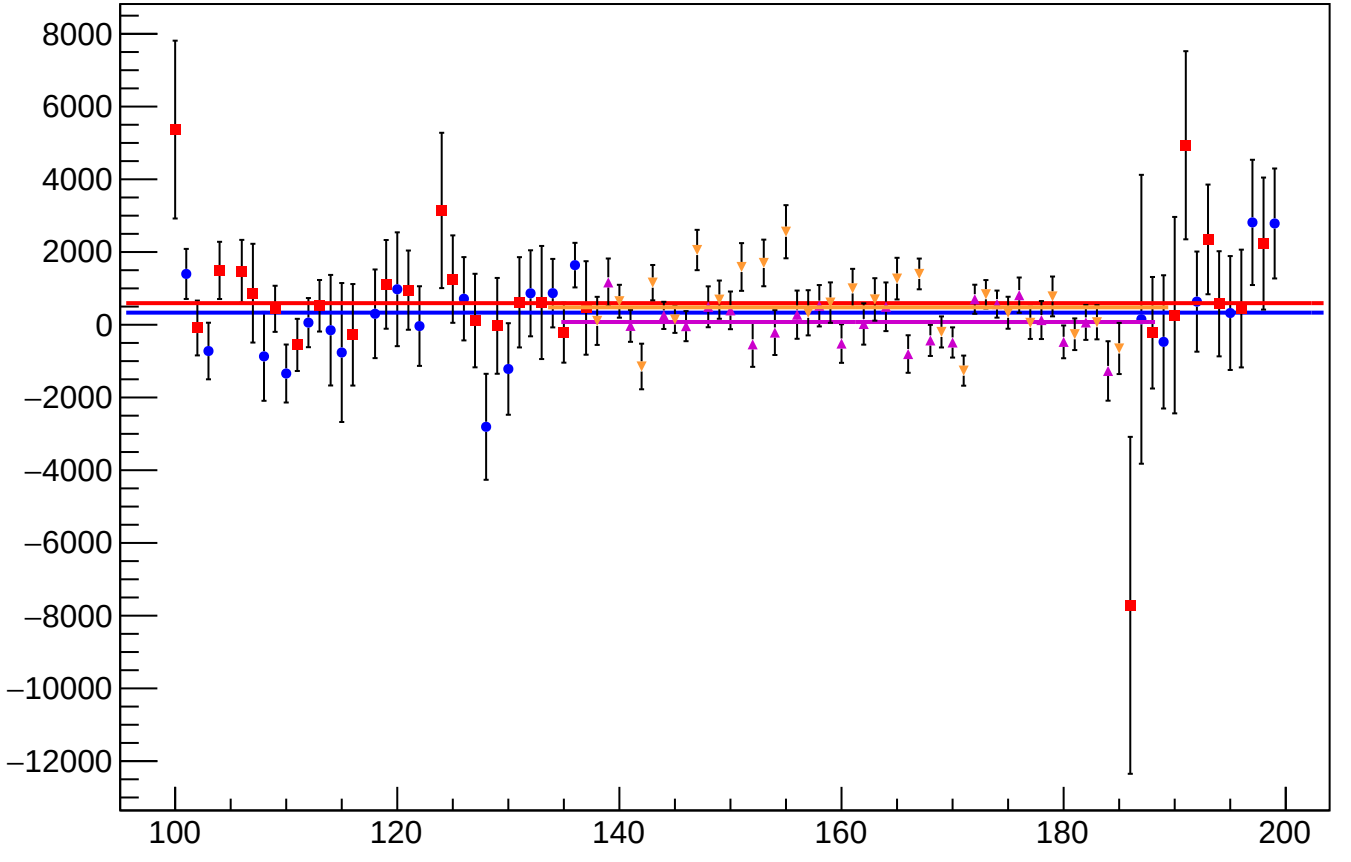
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.869+/-0.007 χ^2/NDF: 2608431.2/46

All: 52.312+/-0.005 χ^2/NDF: 5677061.9/96

- sign 52.773+/-0.007 χ^2/NDF: 3059905.4/49

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 333.080+/-227.886 χ^2/NDF: 26.8/21

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 594.256+/-215.810 χ^2/NDF: 21.9/26

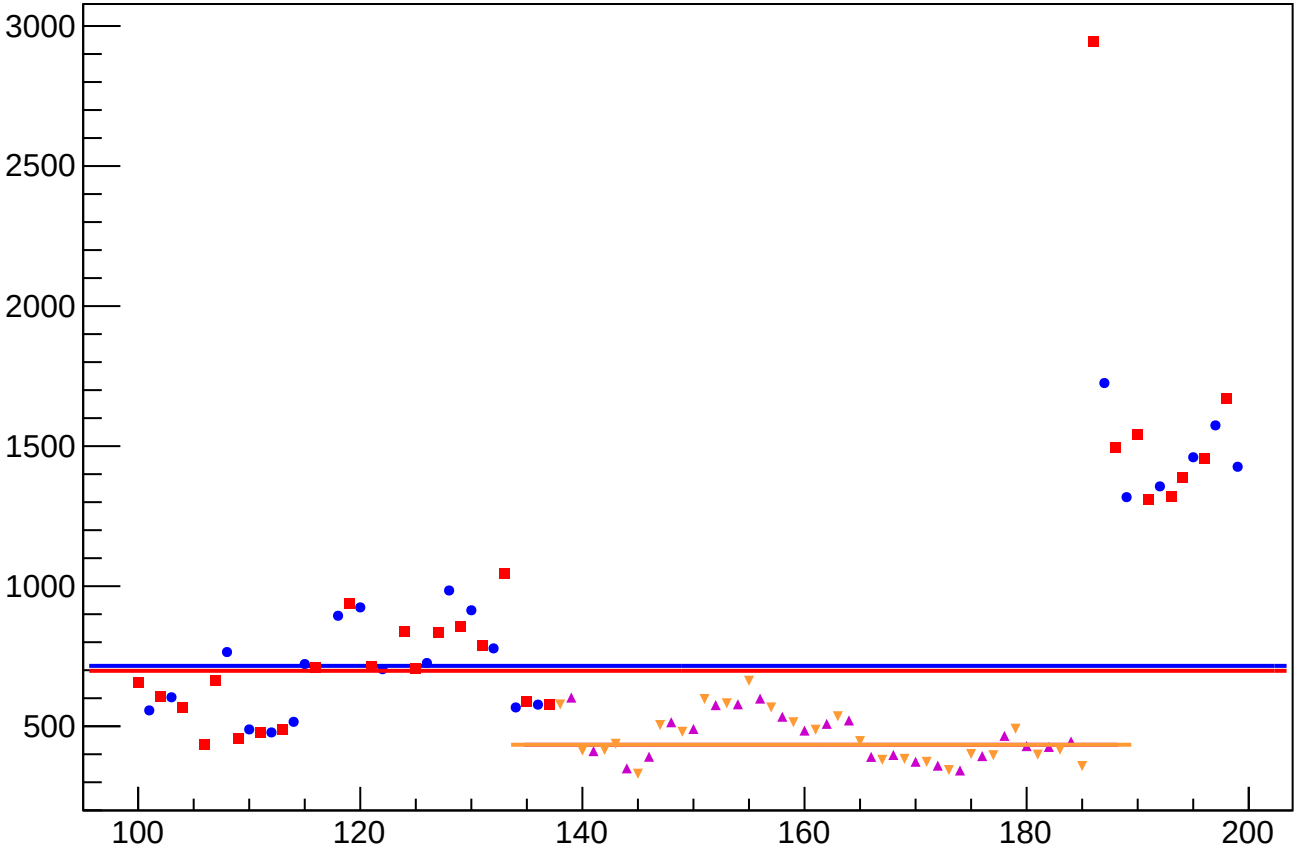
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 456.244+/-91.974 χ^2/NDF: 96.3/46

All: 315.810+/-65.413 χ^2/NDF: 152.1/96

- sign 172.073+/-93.050 χ^2/NDF: 51.1/49

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 715.538+/-0.161 χ^2/NDF: 3119461.4/21

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 697.919+/-0.153 χ^2/NDF: 4353041.2/26

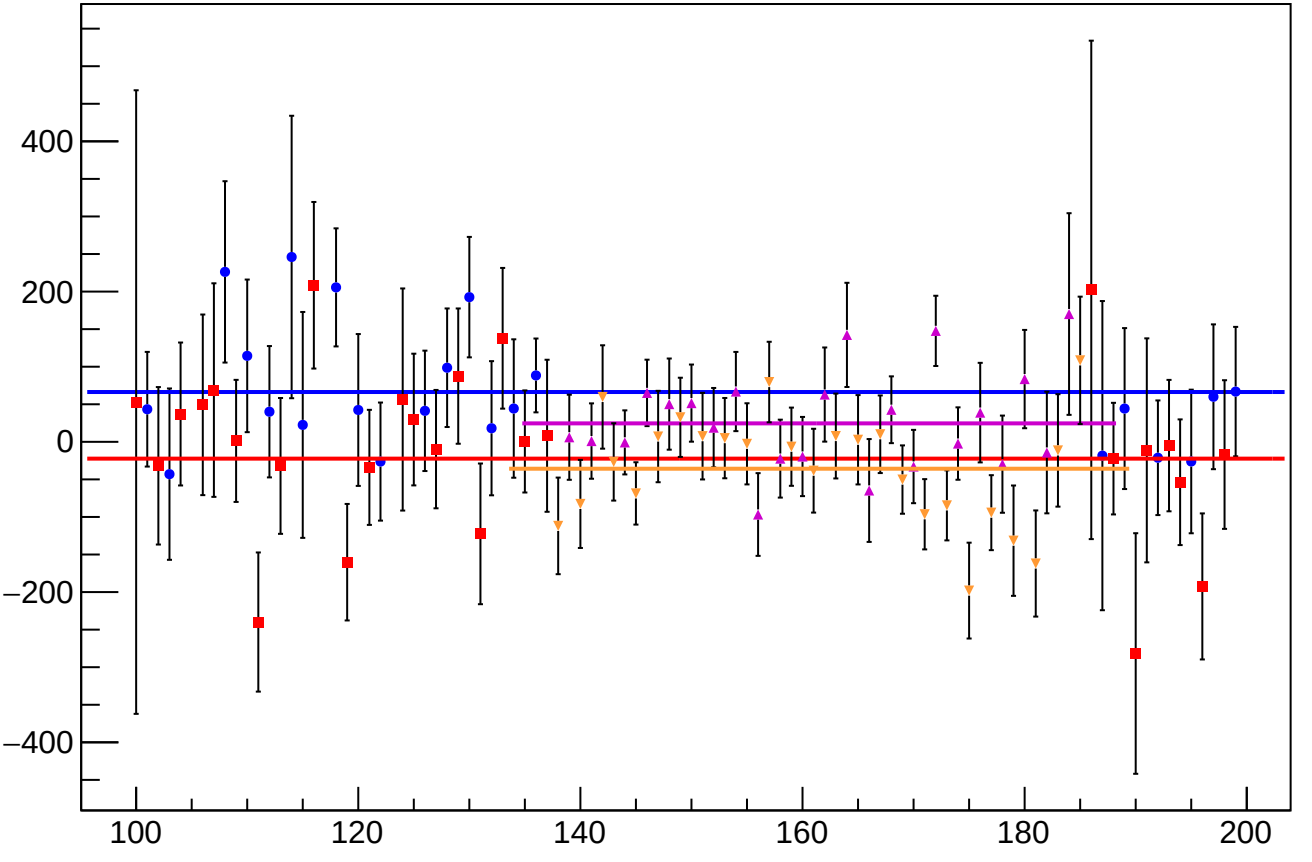
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 479.814+/-0.065 χ^2/NDF: 6919509.4/46

All: 481.308+/-0.046 χ^2/NDF: 14808571.7/96

- sign 482.837+/-0.066 χ^2/NDF: 7887994.7/49

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 66.311+/-18.889 χ^2/NDF: 14.4/21

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.368+/-18.592 χ^2/NDF: 27.1/26

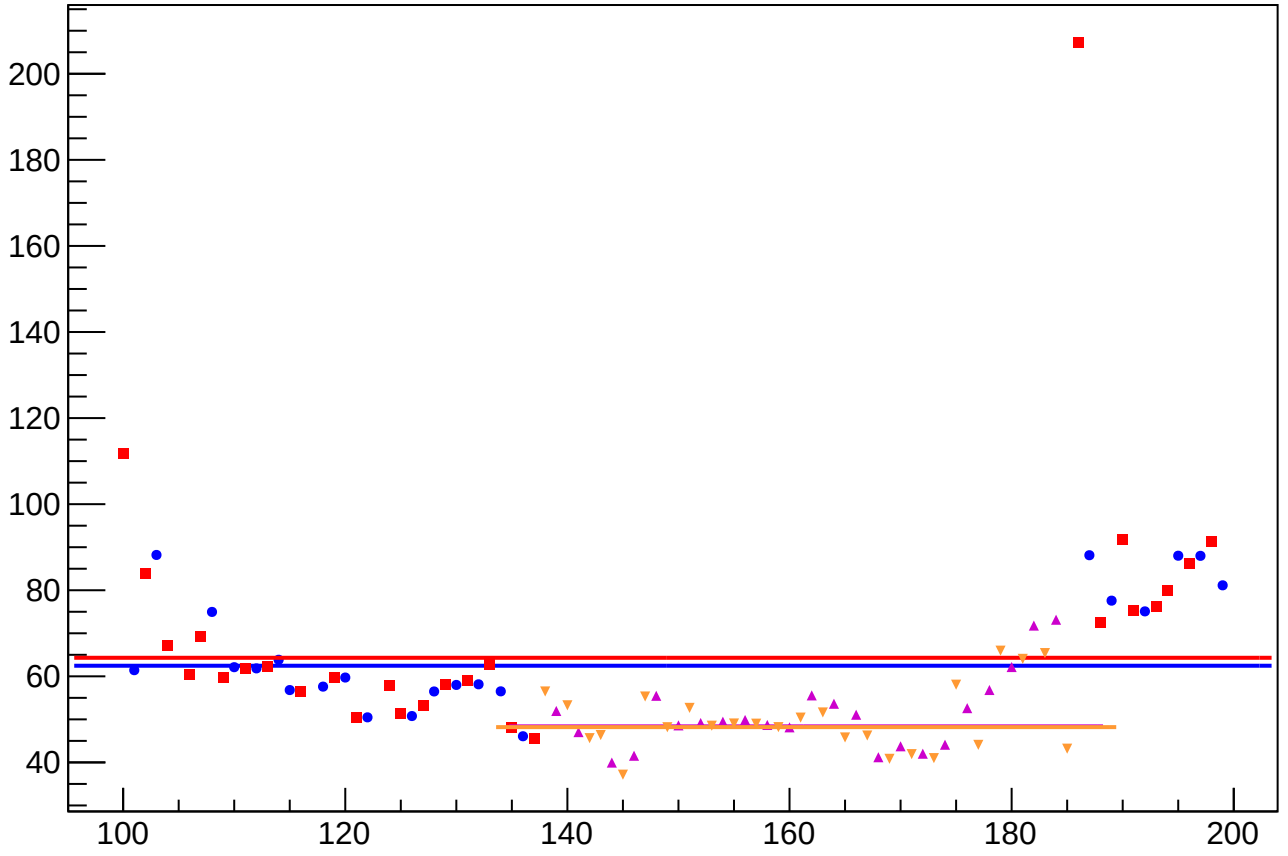
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -9.515+/-9.582 χ^2/NDF: 69.8/46

All: 0.861+/-6.838 χ^2/NDF: 129.7/96

- sign 11.630+/-9.762 χ^2/NDF: 57.4/49

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 62.461+/-0.013 χ^2/NDF: 981266.9/21

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

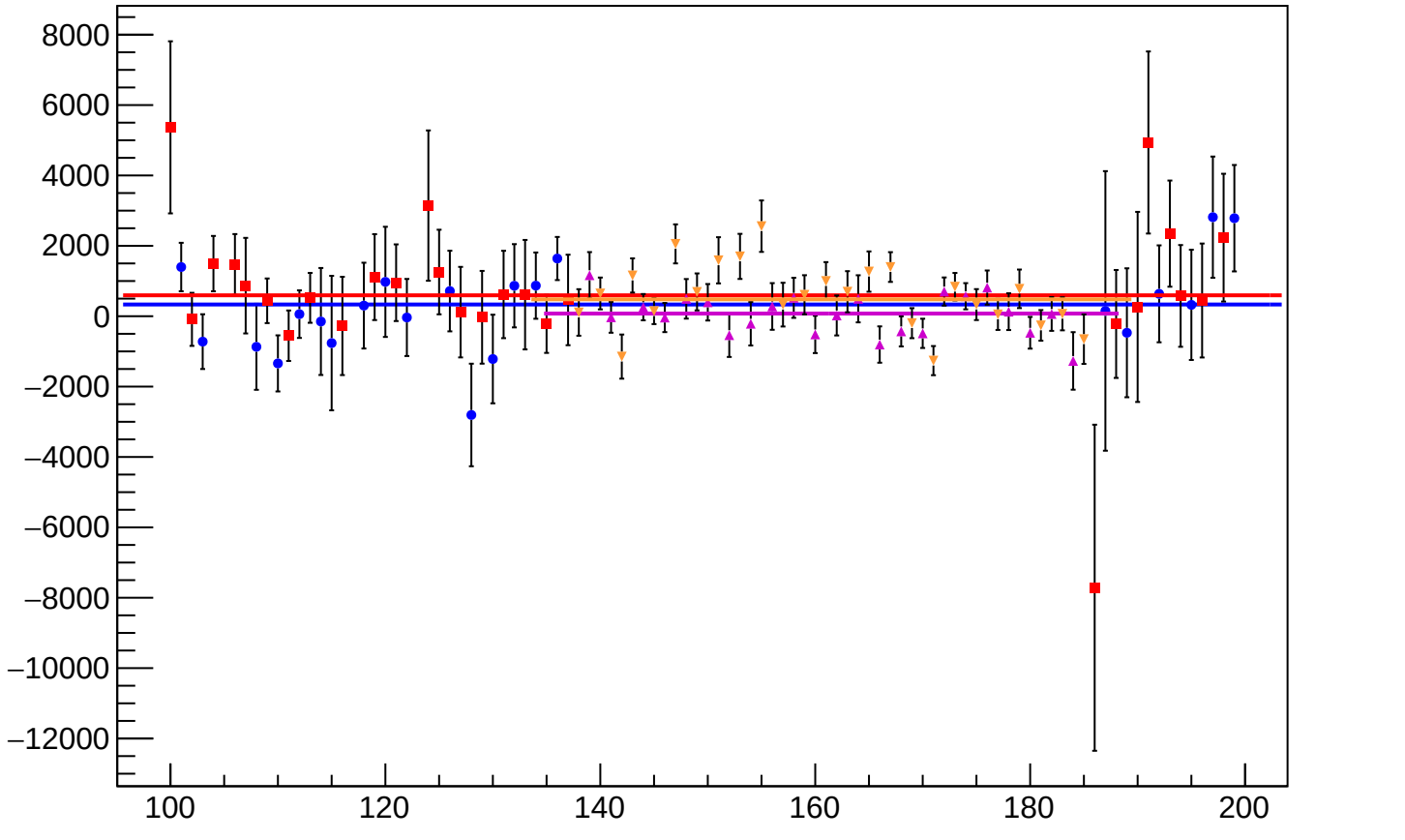
Right Out: 64.309+/-0.013 χ^2/NDF: 1301197.6/26

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.869+/-0.007 χ^2/NDF: 2608431.2/46

All: 52.312+/-0.005 χ^2/NDF: 5677061.9/96

- sign 52.773+/-0.007 χ^2/NDF: 3059905.4/49



Right In: 333.080+/-227.886 χ^2/NDF: 26.8/21

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

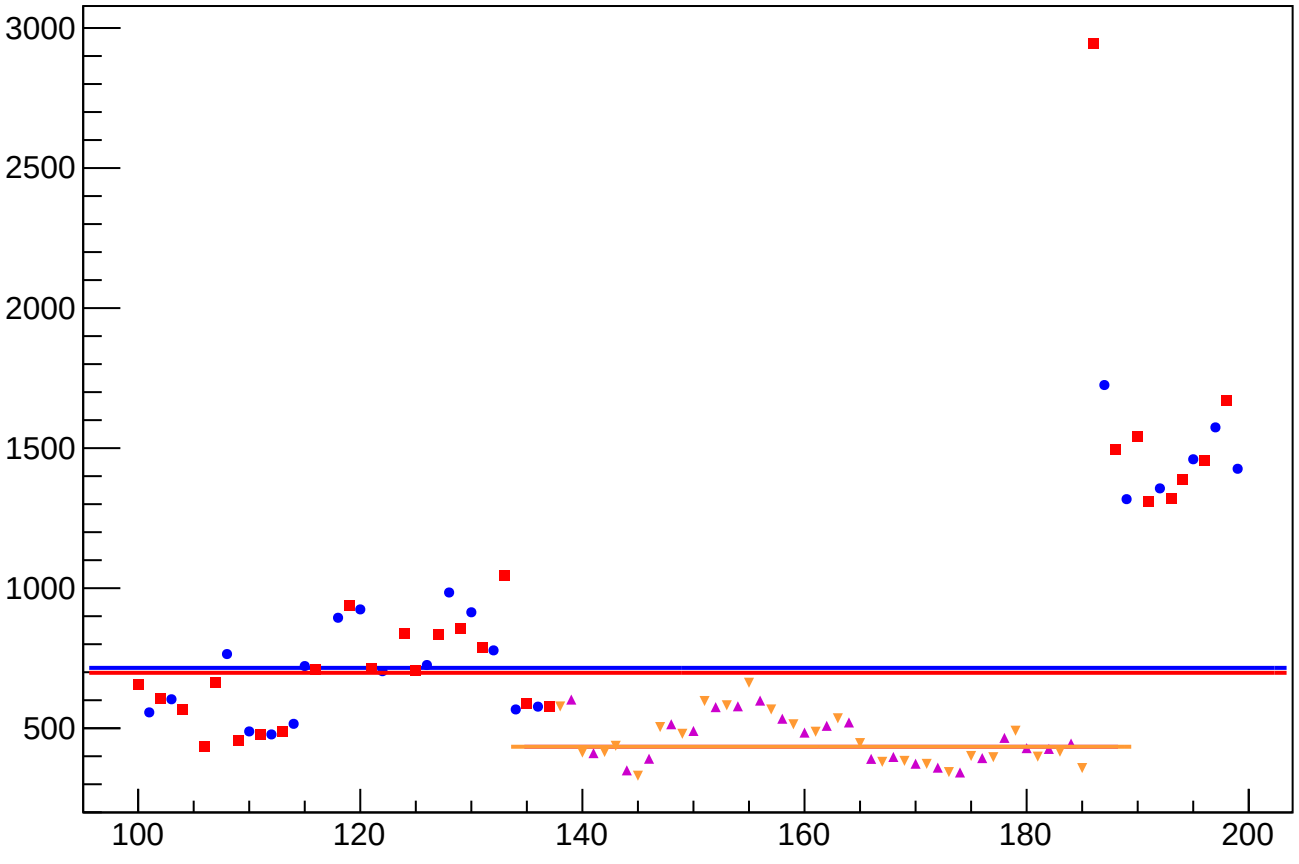
Right Out: 594.256+/-215.810 χ^2/NDF: 21.9/26

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 456.244+/-91.974 χ^2/NDF: 96.3/46

All: 315.810+/-65.413 χ^2/NDF: 152.1/96

- sign 172.073+/-93.050 χ^2/NDF: 51.1/49



Right In: 715.538+/-0.161 χ^2/NDF: 3119461.4/21

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 697.919+/-0.153 χ^2/NDF: 4353041.2/26

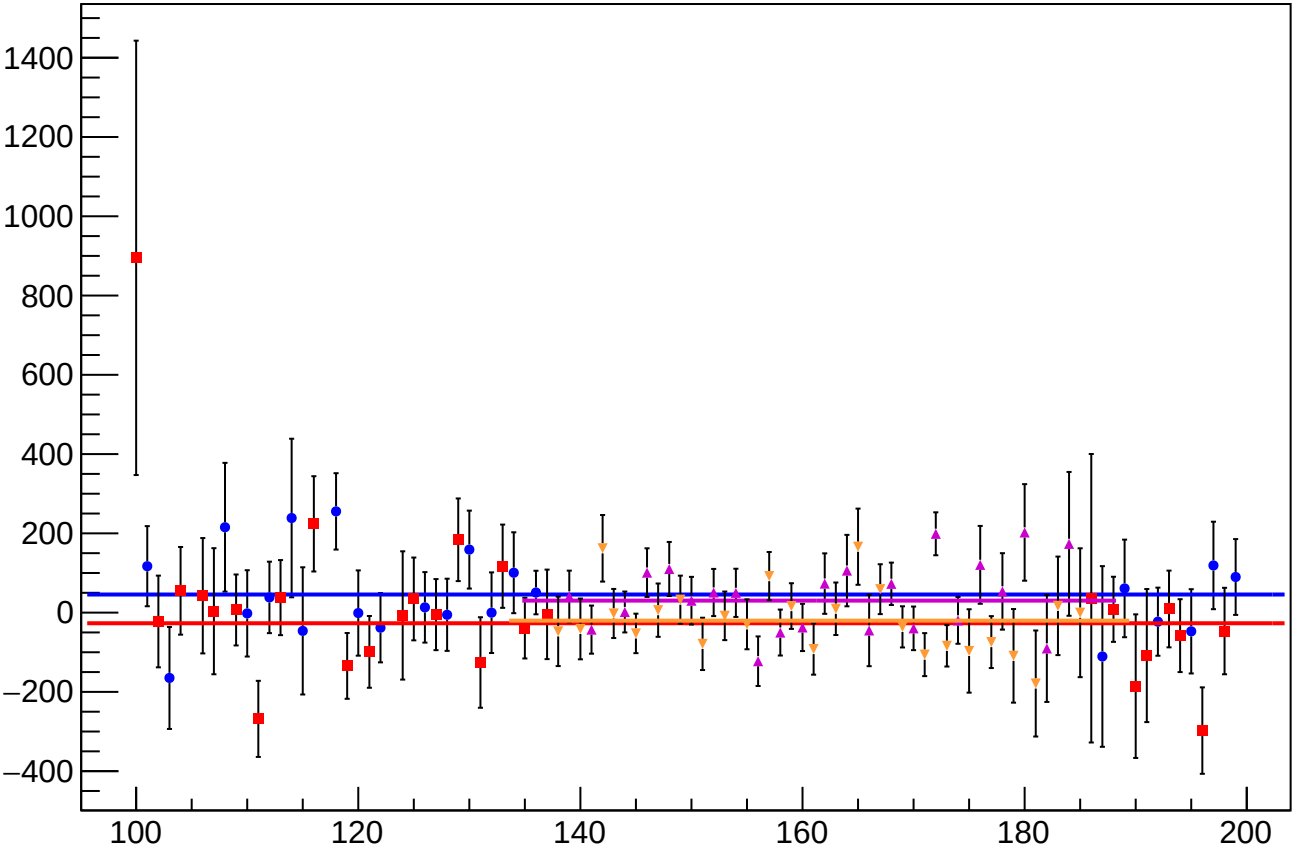
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 479.814+/-0.065 χ^2/NDF: 6919509.4/46

All: 481.308+/-0.046 χ^2/NDF: 14808571.7/96

- sign 482.837+/-0.066 χ^2/NDF: 7887994.7/49

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 45.676+/-21.478 χ^2/NDF: 16.4/21

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -26.832+/-20.829 χ^2/NDF: 32.1/26

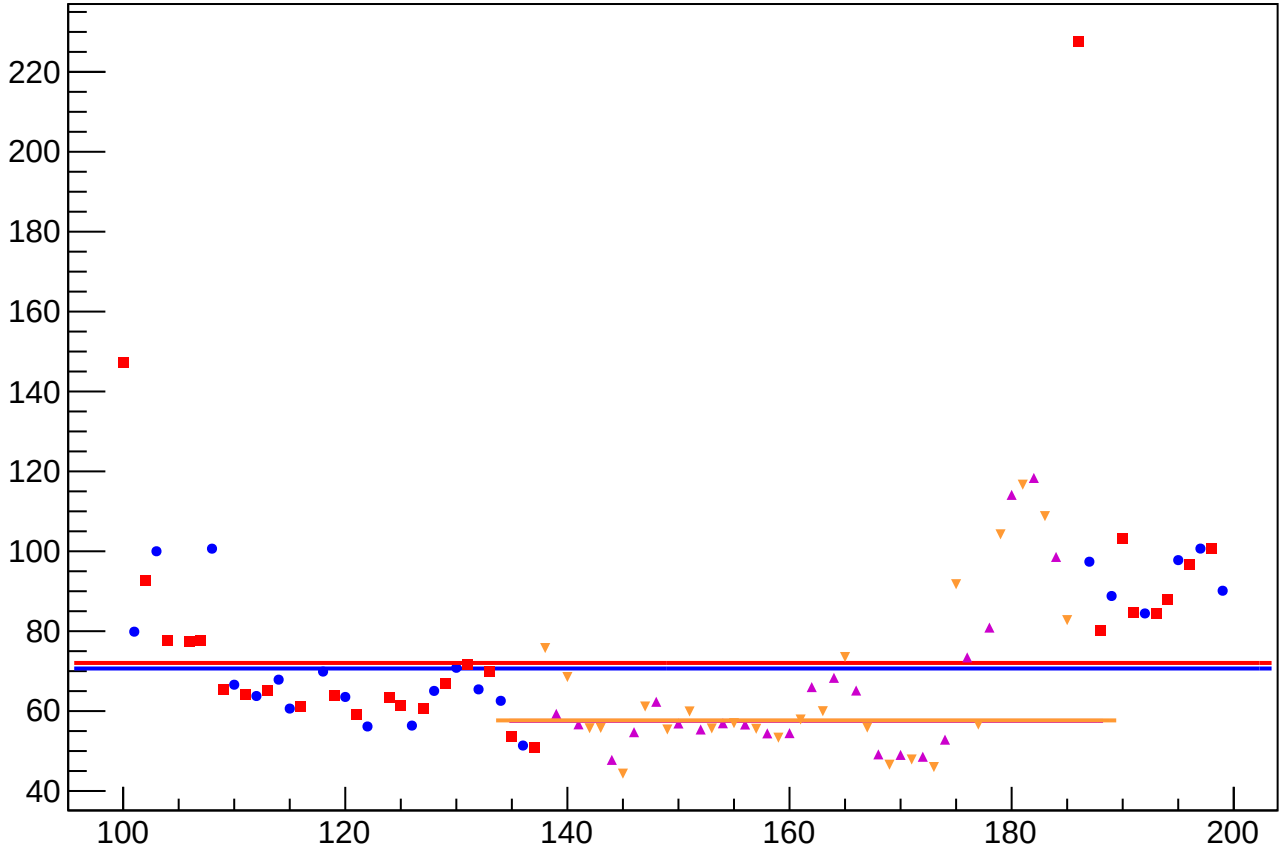
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

\+ sign -1.325+/-11.512 χ^2/NDF: 48.2/46

All: 5.566+/-8.174 χ^2/NDF: 118.8/96

\- sign 12.570+/-11.607 χ^2/NDF: 69.9/49

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 70.660+/-0.015 χ^2/NDF: 1082644.0/21

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 72.051+/-0.015 χ^2/NDF: 1260698.1/26

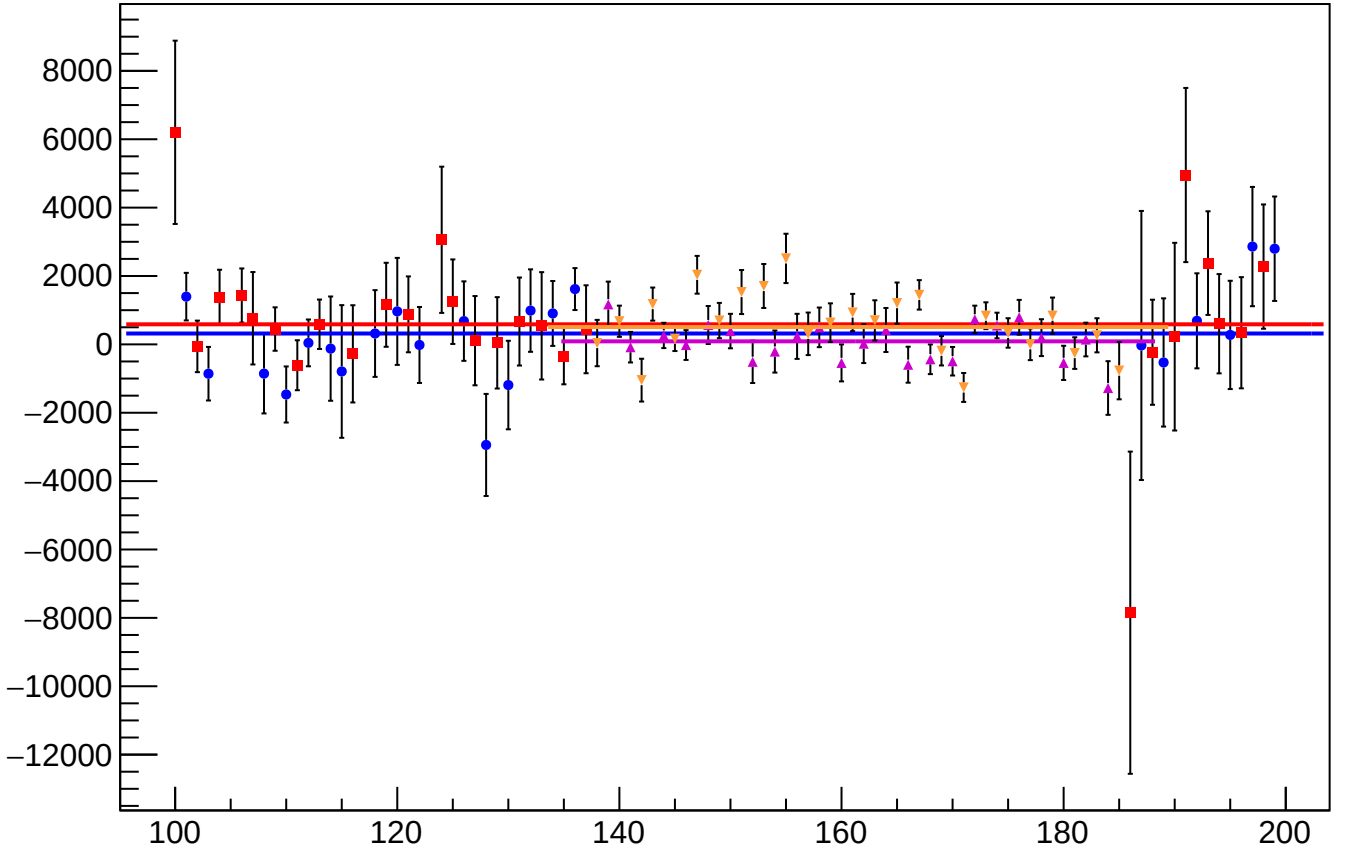
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 61.400+/-0.008 χ^2/NDF: 3513886.2/46

All: 61.720+/-0.006 χ^2/NDF: 6890277.7/96

- sign 62.046+/-0.008 χ^2/NDF: 3373274.2/49

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 317.655+/-230.346 χ^2/NDF: 27.7/21

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 586.887+/-216.666 χ^2/NDF: 22.6/26

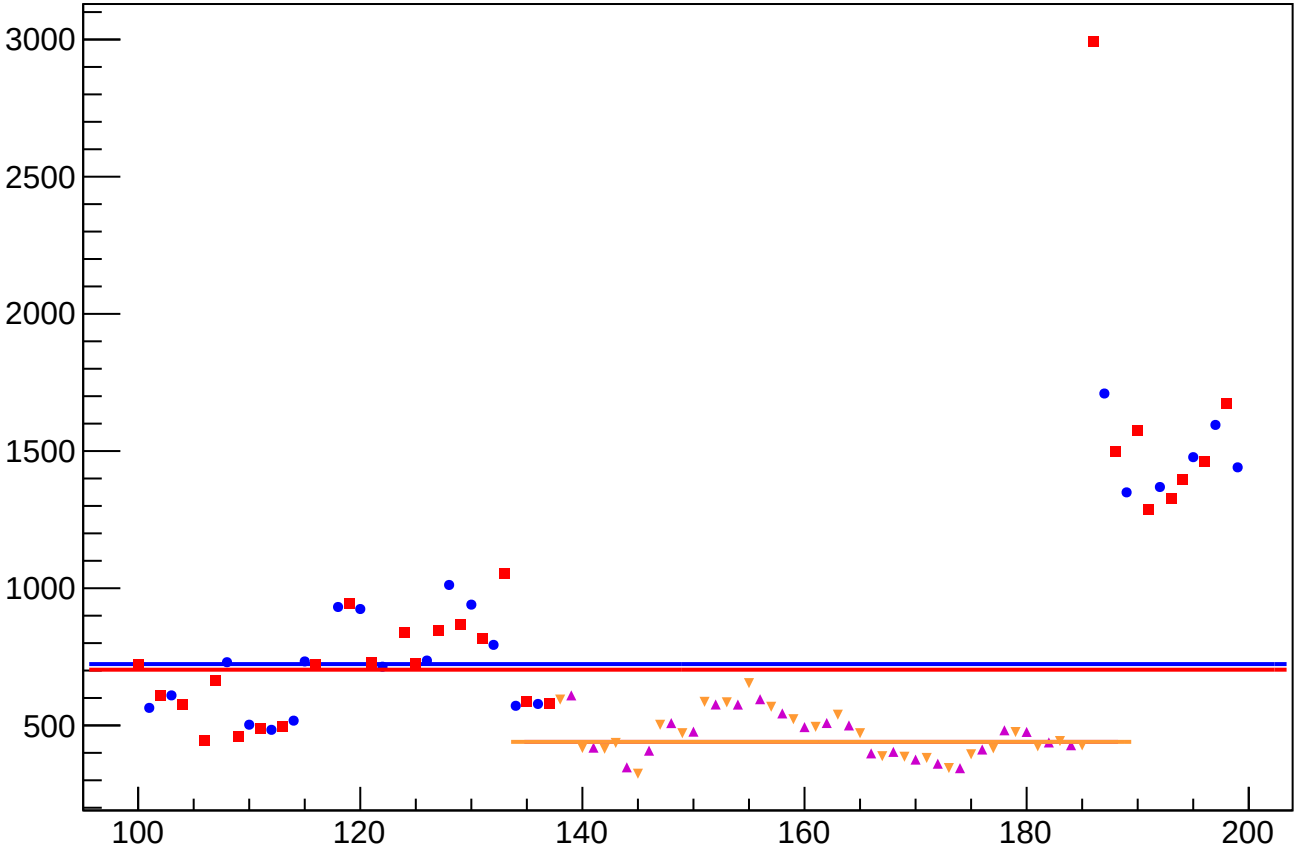
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 476.216+/-93.094 χ^2/NDF: 94.1/46

All: 331.068+/-66.199 χ^2/NDF: 149.2/96

- sign 182.594+/-94.155 χ^2/NDF: 50.2/49

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 723.531+/-0.163 χ^2/NDF: 3135644.2/21

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 703.116+/-0.153 χ^2/NDF: 4357983.0/26

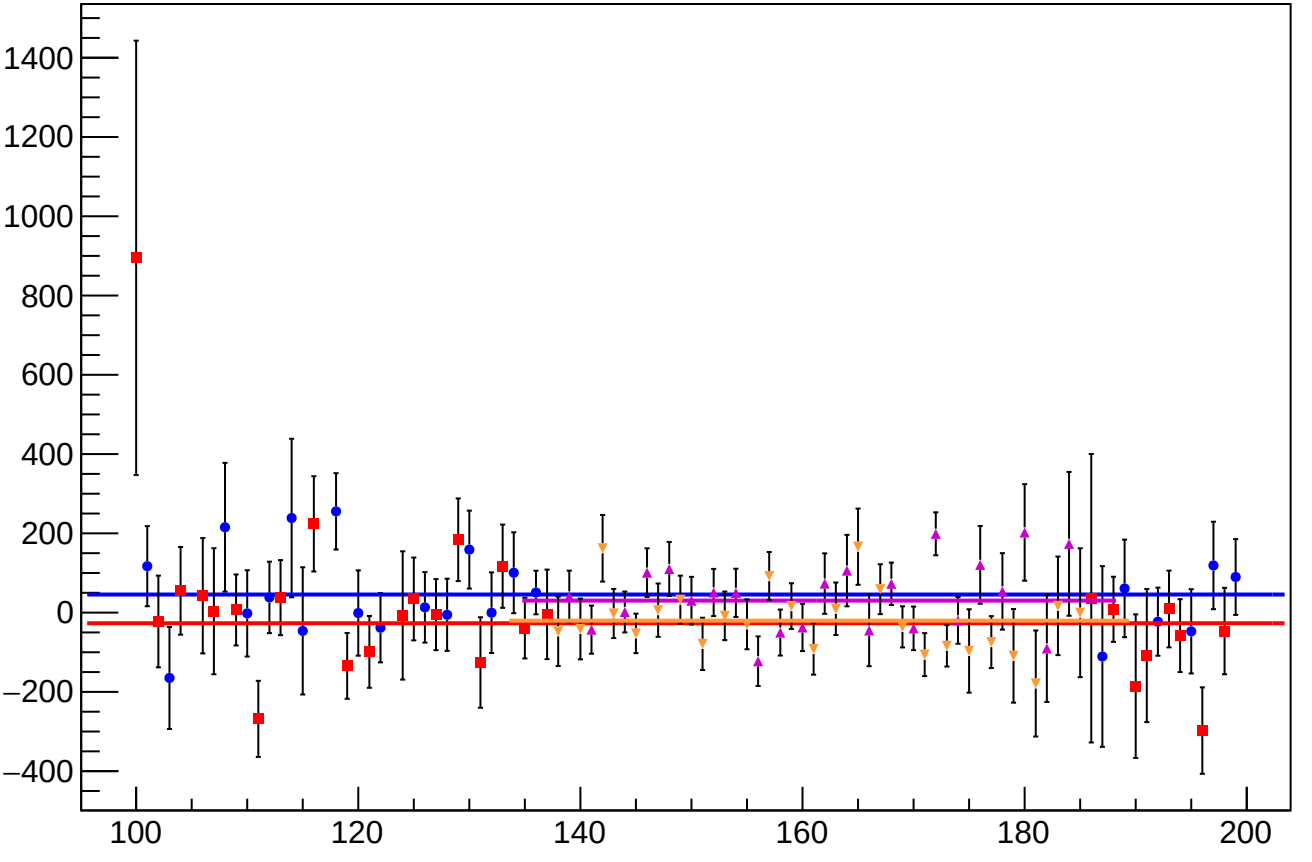
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 486.374+/-0.066 χ^2/NDF: 6866520.3/46

All: 487.963+/-0.047 χ^2/NDF: 14682296.4/96

- sign 489.588+/-0.067 χ^2/NDF: 7814597.6/49

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 45.675+/-21.478 χ^2/NDF: 16.4/21

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -26.832+/-20.829 χ^2/NDF: 32.1/26

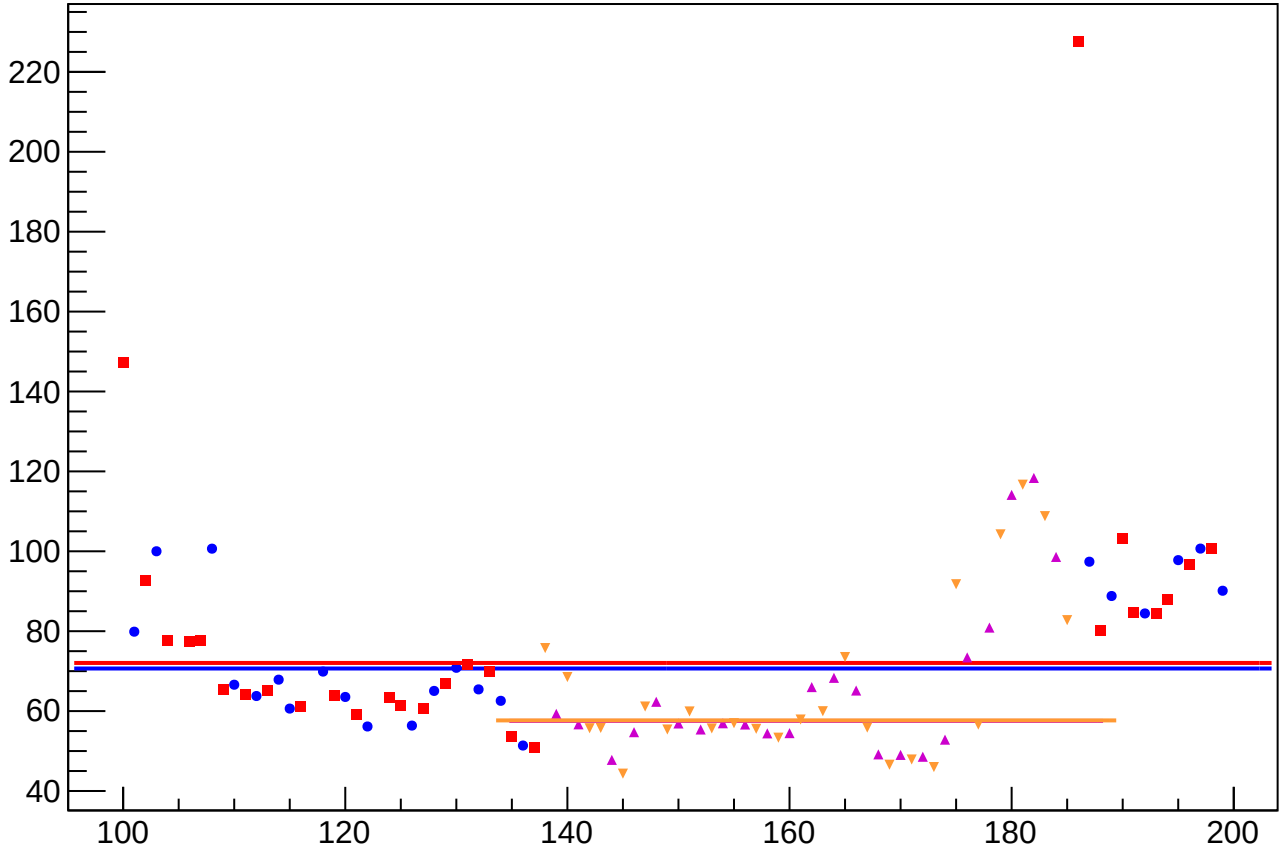
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -1.326+/-11.512 χ^2/NDF: 48.2/46

All: 5.565+/-8.174 χ^2/NDF: 118.8/96

- sign 12.570+/-11.607 χ^2/NDF: 69.9/49

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 70.659+/-0.015 χ^2/NDF: 1082639.0/21

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

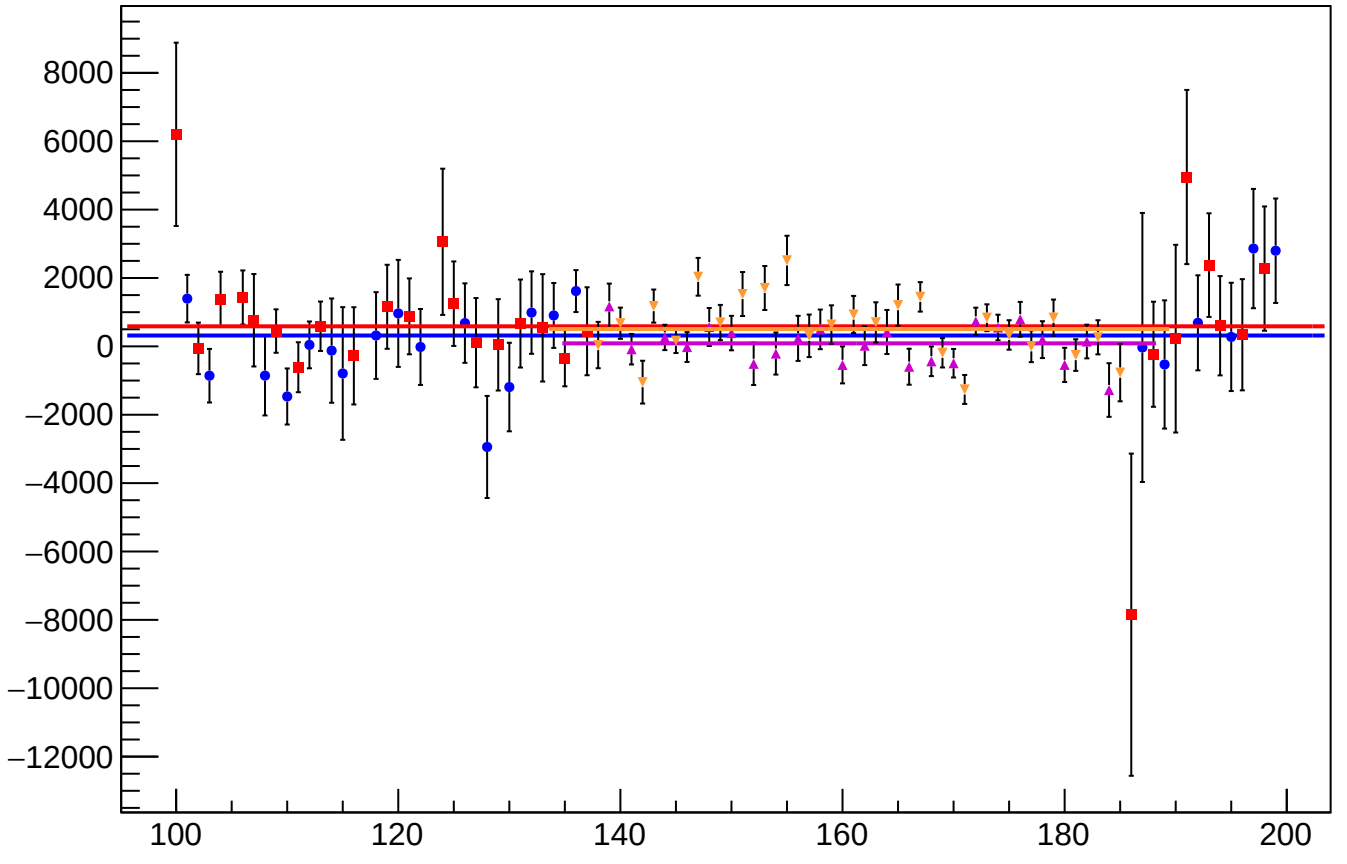
Right Out: 72.050+/-0.015 χ^2/NDF: 1260710.4/26

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

\+ sign 61.400+/-0.008 χ^2/NDF: 3513858.9/46

All: 61.720+/-0.006 χ^2/NDF: 6890228.0/96

\- sign 62.046+/-0.008 χ^2/NDF: 3373252.3/49



Right In: 317.655+/-230.346 χ^2/NDF: 27.7/21

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

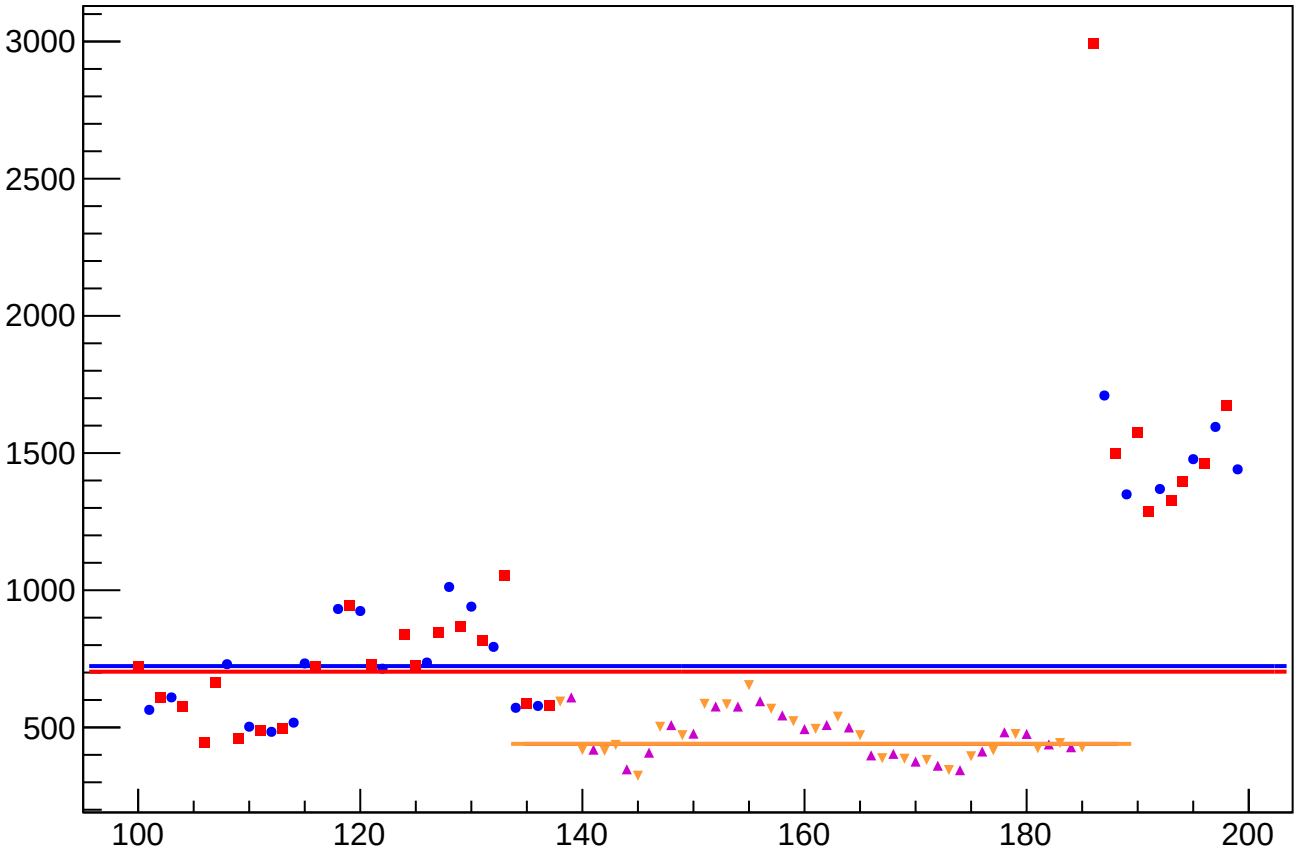
Right Out: 586.886+/-216.666 χ^2/NDF: 22.6/26

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 476.215+/-93.094 χ^2/NDF: 94.1/46

All: 331.067+/-66.199 χ^2/NDF: 149.2/96

- sign 182.593+/-94.154 χ^2/NDF: 50.2/49



Right In: 723.530+/-0.163 χ^2/NDF: 3135648.0/21

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 703.115+/-0.153 χ^2/NDF: 4357985.1/26

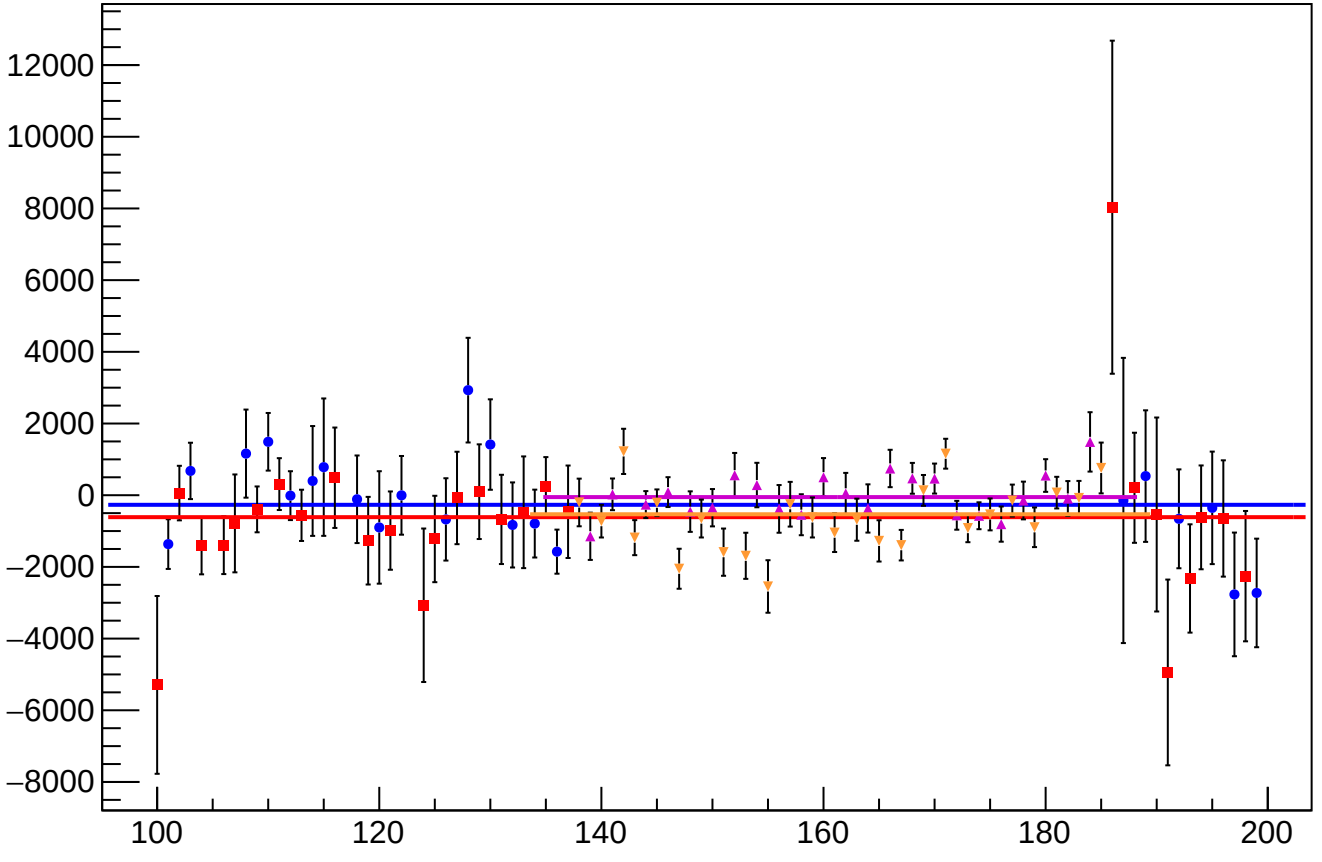
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 486.373+/-0.066 χ^2/NDF: 6866542.7/46

All: 487.961+/-0.047 χ^2/NDF: 14682340.7/96

- sign 489.587+/-0.067 χ^2/NDF: 7814619.6/49

asym_sam_15_48_dd_mean vs Slug



Right In: -267.837+/-229.082 χ^2/NDF: 27.7/21

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -612.438+/-215.965 χ^2/NDF: 20.8/26

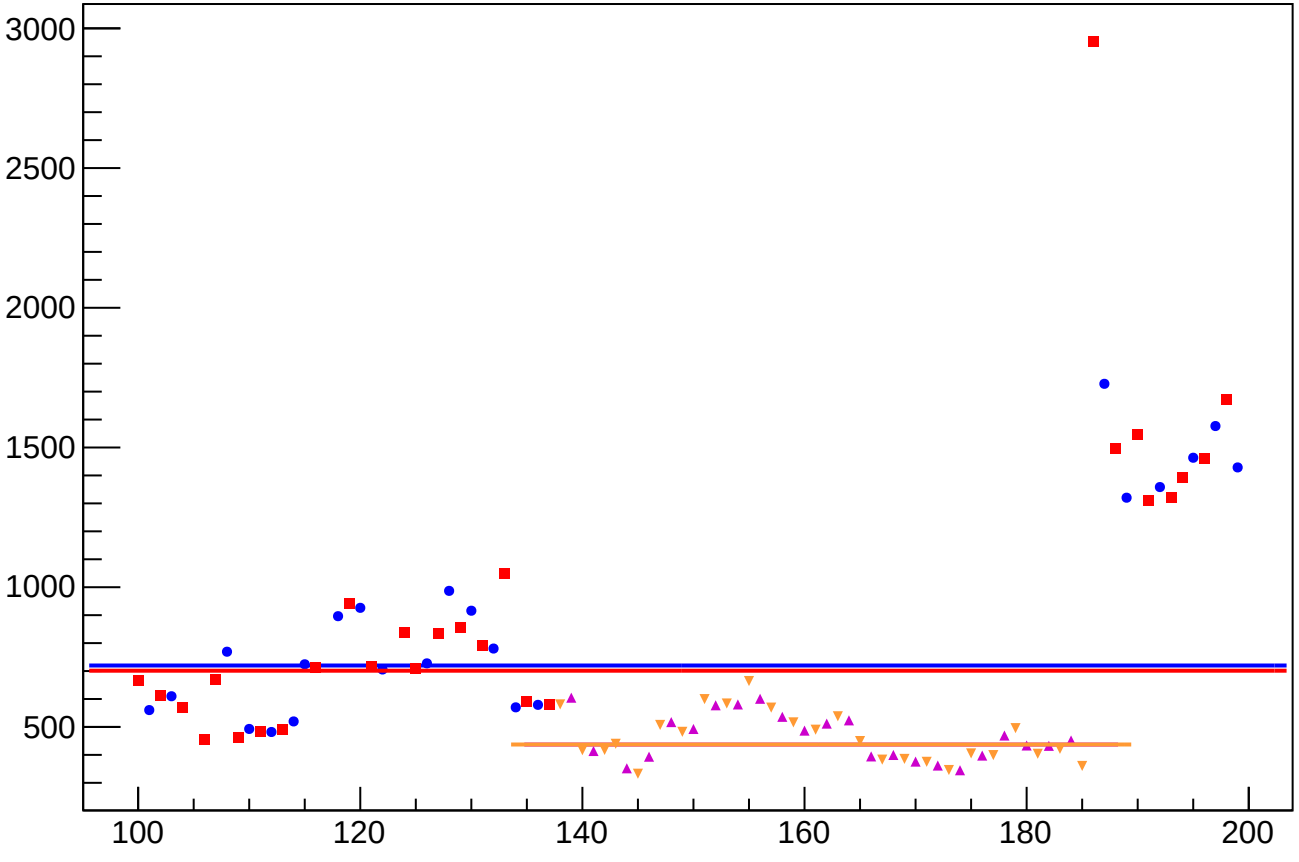
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -488.473+/-92.604 χ^2/NDF: 94.4/46

All: -324.884+/-65.832 χ^2/NDF: 151.1/96

- sign -157.736+/-93.606 χ^2/NDF: 50.4/49

asym_sam_15_48_dd_rms vs Slug



Right In: 719.862+/-0.162 χ^2/NDF: 3089519.8/21

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

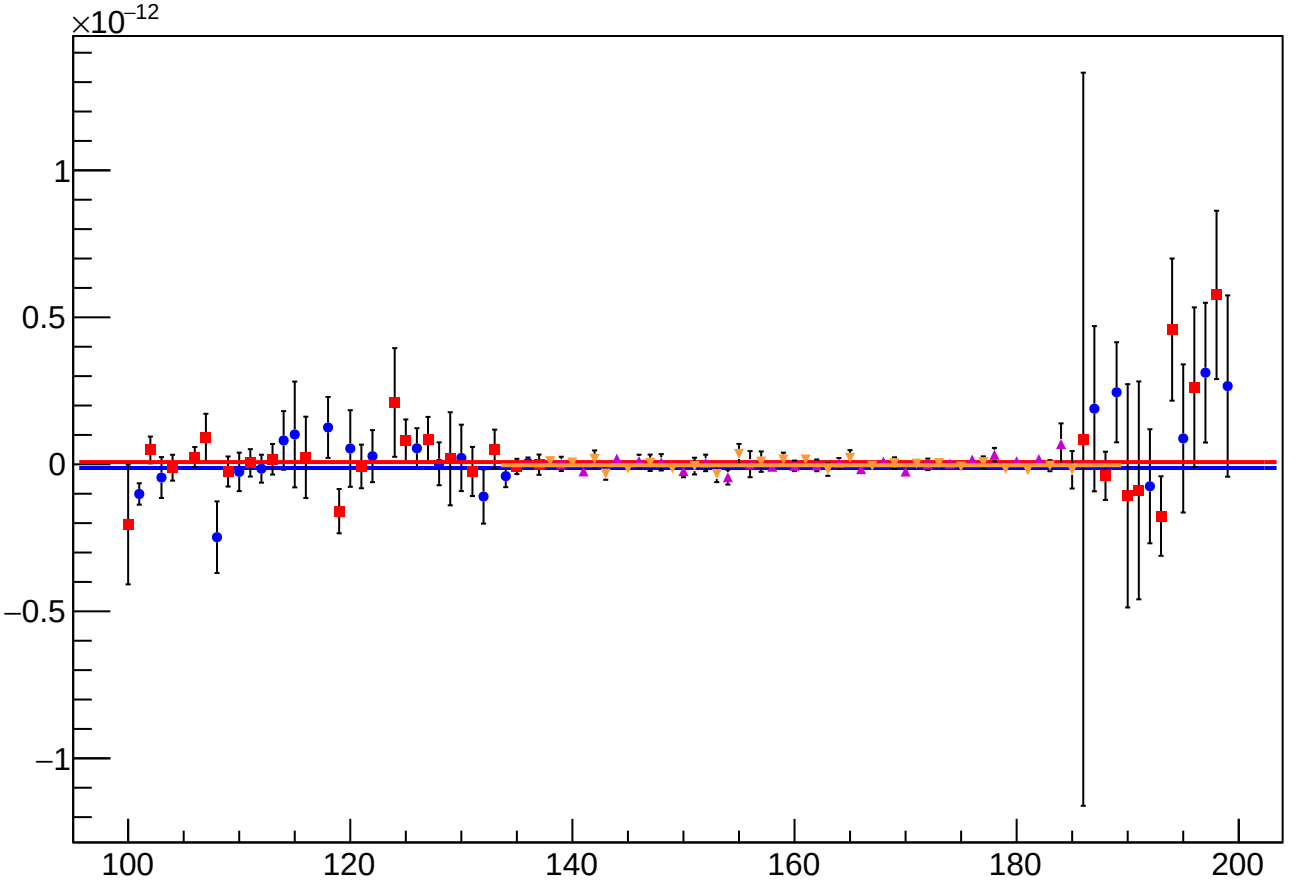
Right Out: 701.256+/-0.153 χ^2/NDF: 4314771.7/26

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 483.354+/-0.065 χ^2/NDF: 6865146.6/46

All: 484.956+/-0.047 χ^2/NDF: 14694193.5/96

- sign 486.593+/-0.066 χ^2/NDF: 7827836.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

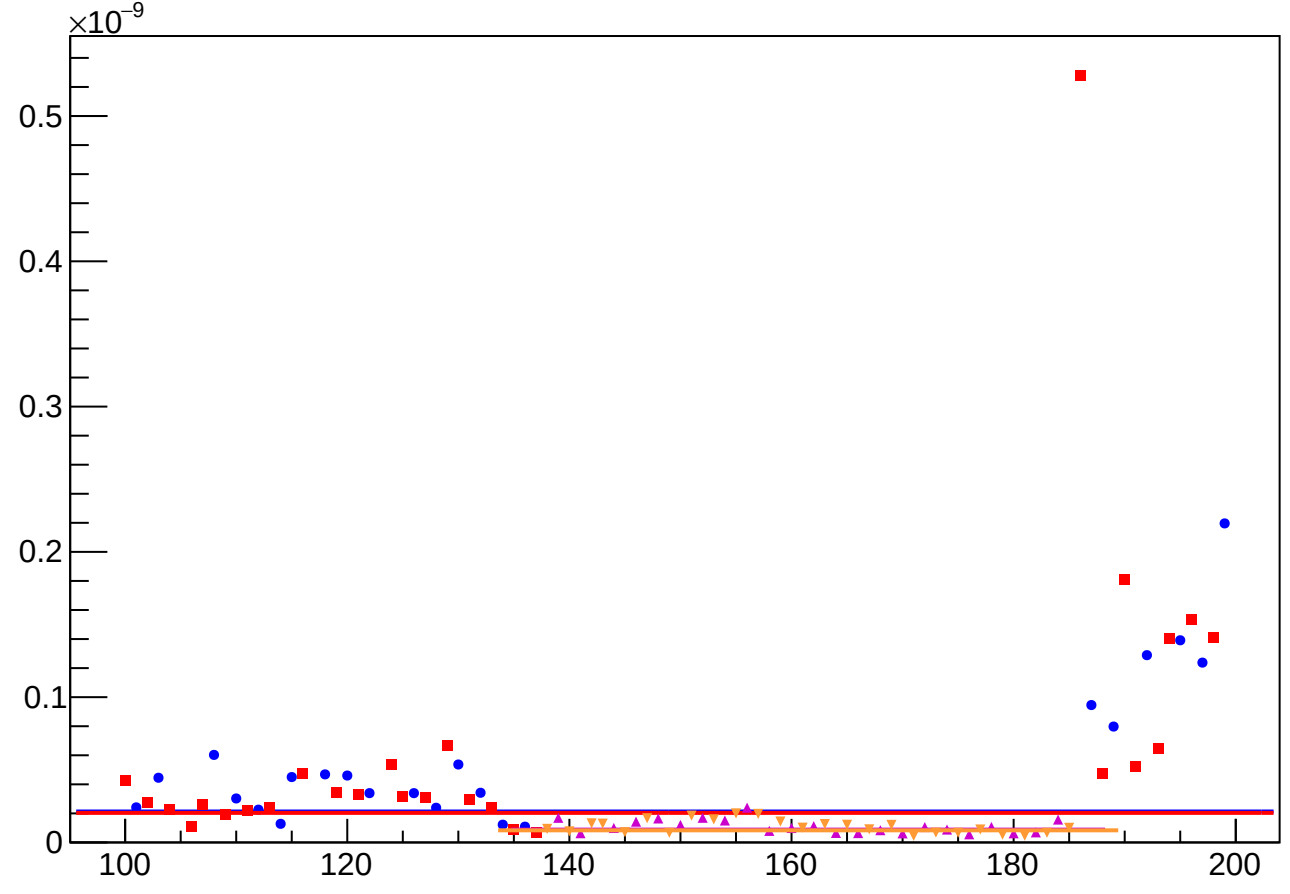
Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/26

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/46

All: -0.000+/-0.000 χ^2/NDF: 84.2/96

- sign -0.000+/-0.000 χ^2/NDF: 46.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 4401850.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3957712.0/26

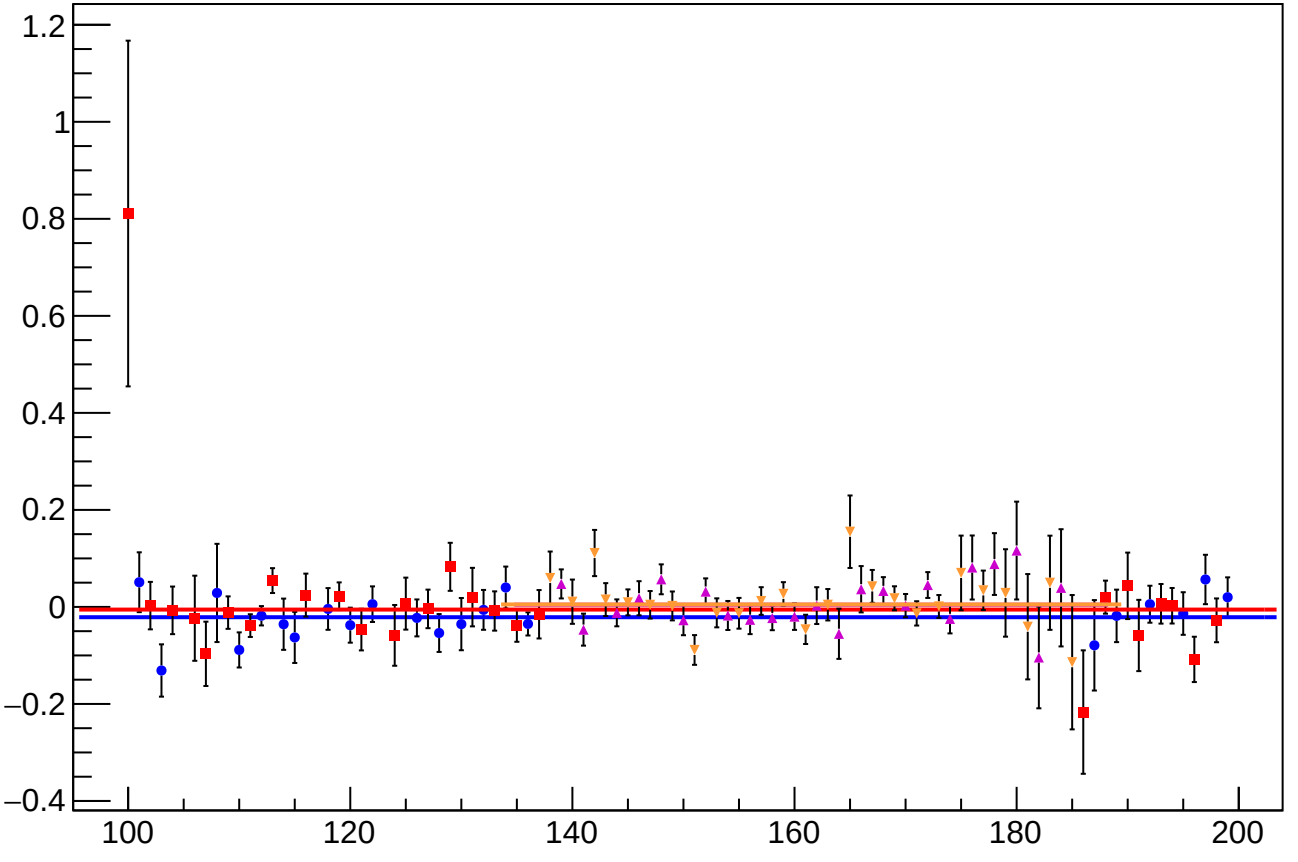
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8608500.6/46

All: 0.000+/-0.000 χ^2/NDF: 15946267.0/96

- 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: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.005+/-0.008 χ^2/NDF: 31.8/26

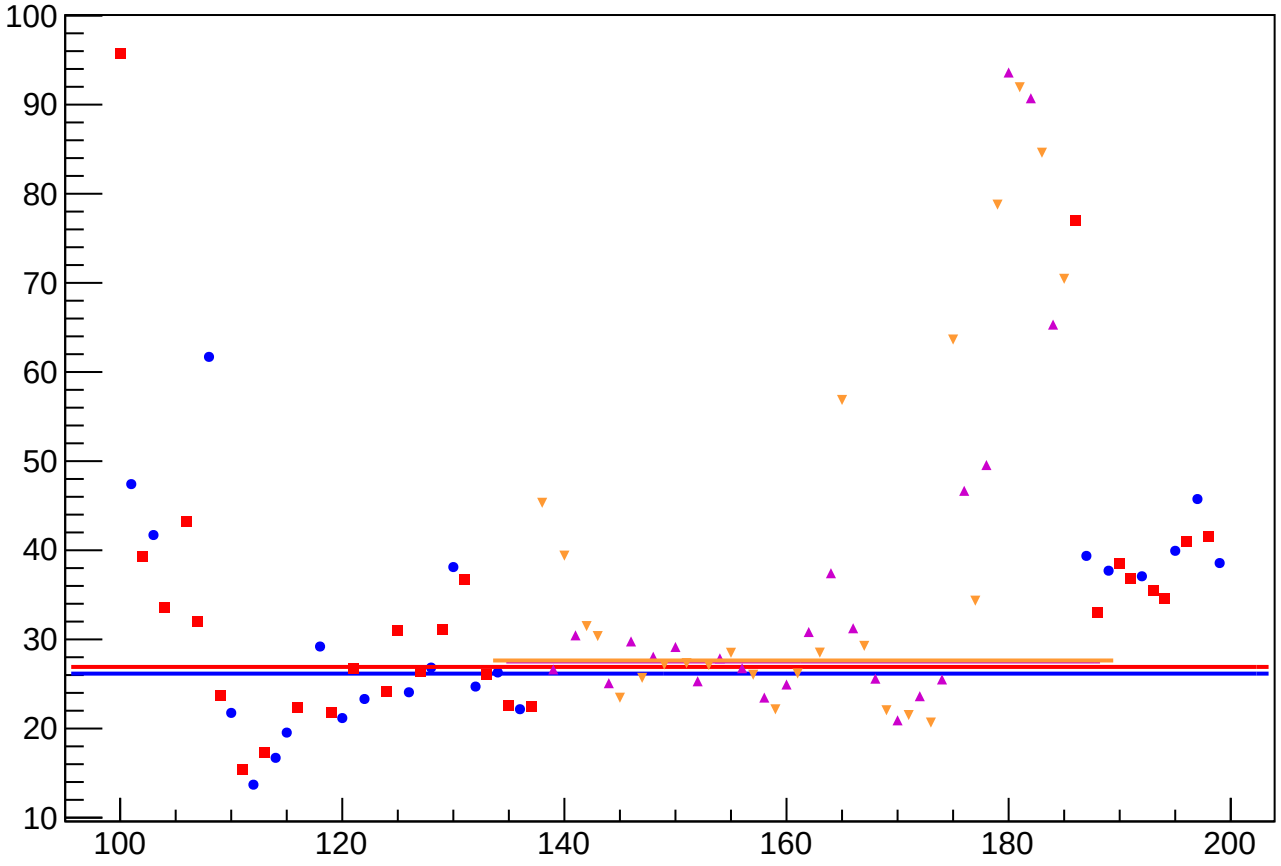
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.005+/-0.005 χ^2/NDF: 52.6/46

All: -0.003+/-0.004 χ^2/NDF: 111.0/96

- 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: 26.161+/-0.006 χ^2/NDF: 2753463.8/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

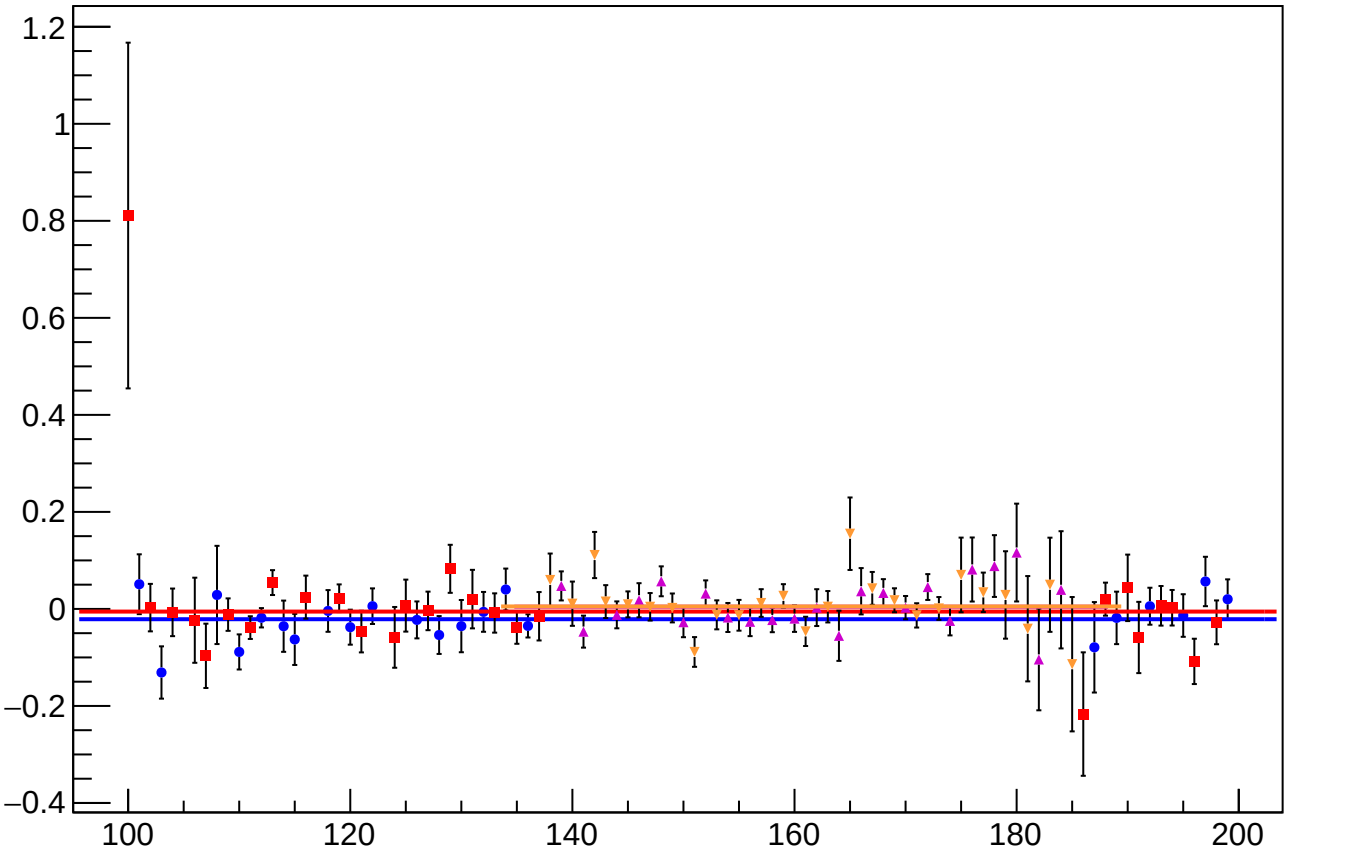
Right Out: 26.912+/-0.006 χ^2/NDF: 2362280.4/26

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.051+/-0.004 χ^2/NDF: 6764209.7/46

All: 27.158+/-0.003 χ^2/NDF: 11769172.8/96

- sign 27.264+/-0.004 χ^2/NDF: 5003362.4/49



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

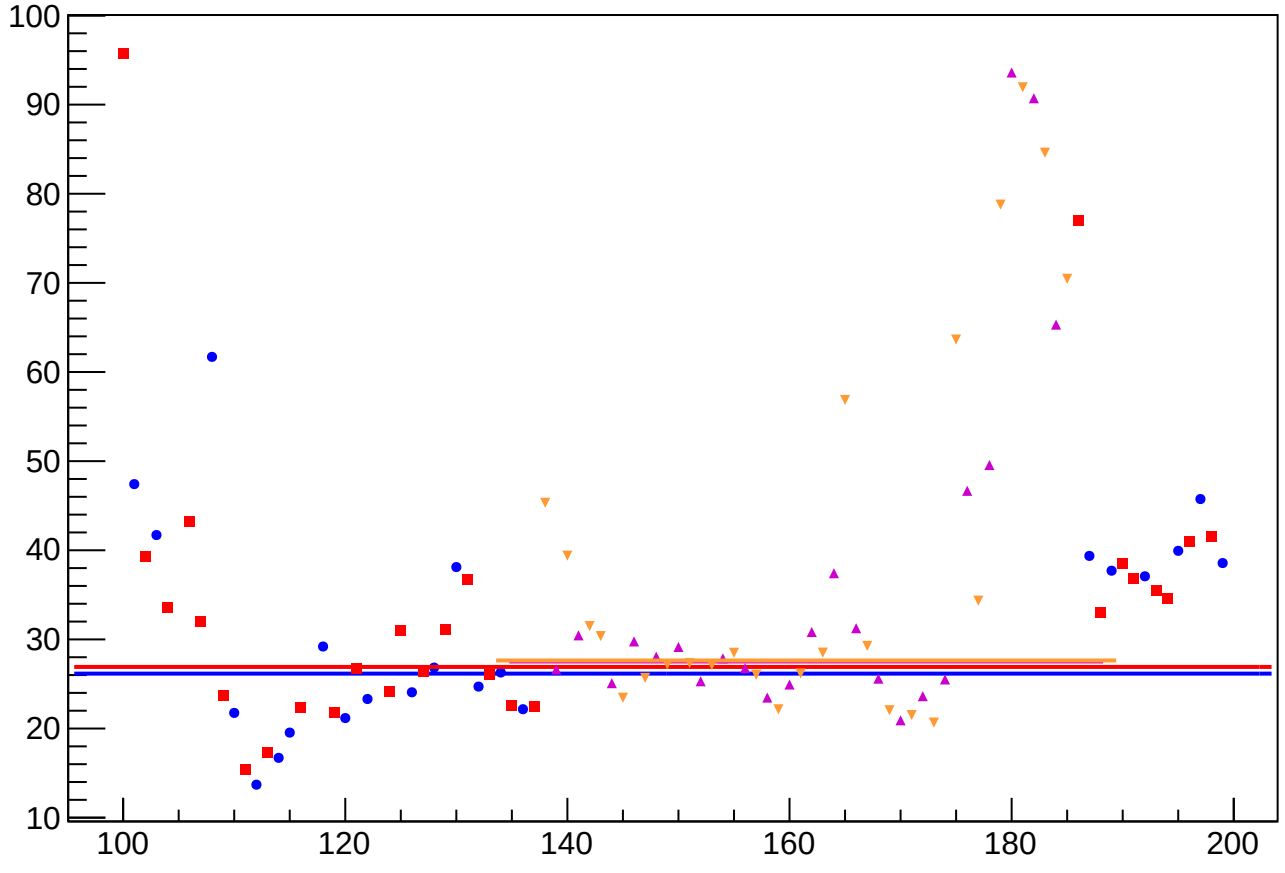
Right Out: -0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.005+/-0.005 χ^2/NDF: 52.6/46

All: -0.003+/-0.004 χ^2/NDF: 111.0/96

- sign 0.000+/-0.005 χ^2/NDF: 57.8/49



Right In: 26.161+/-0.006 χ^2/NDF: 2753463.8/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

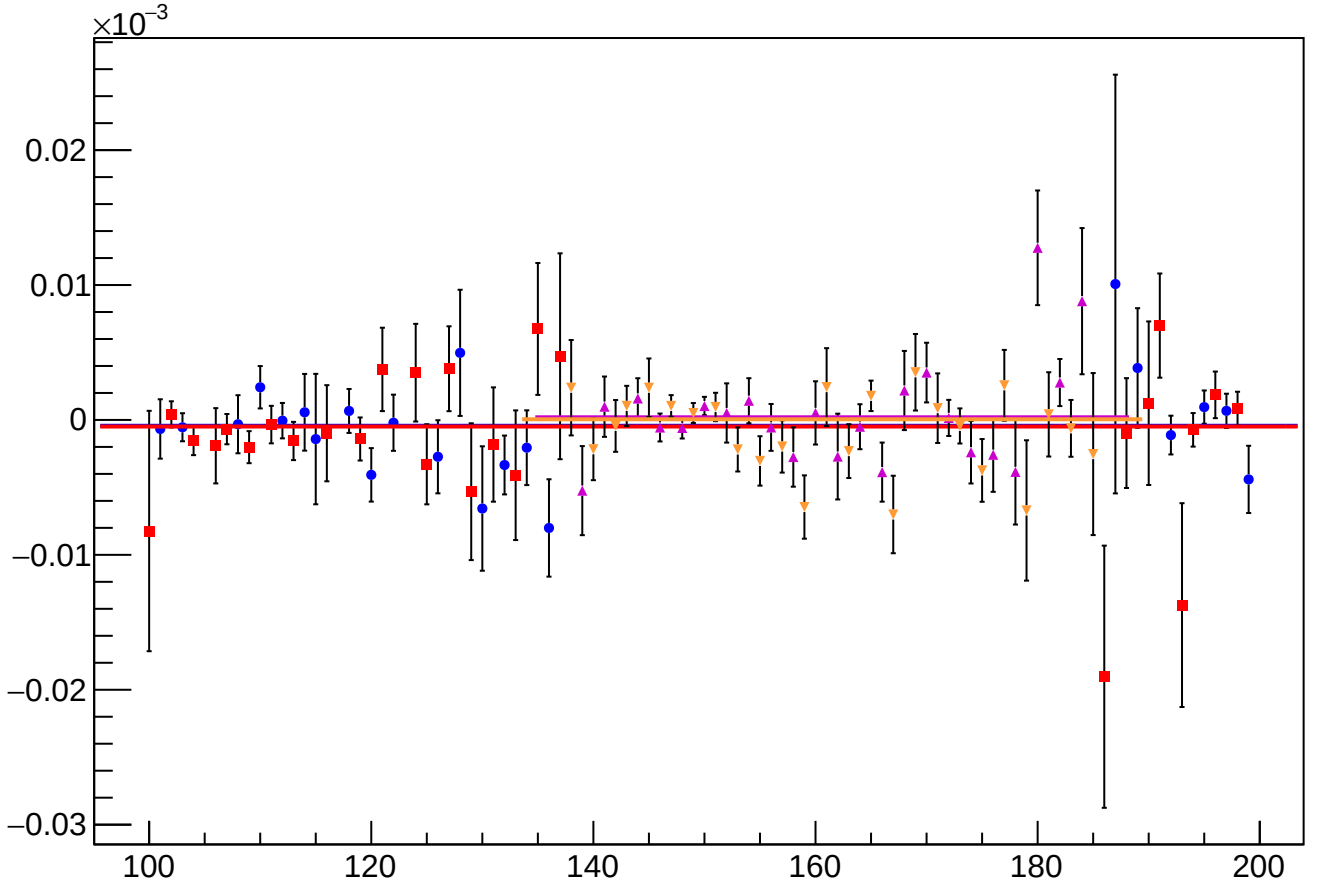
Right Out: 26.912+/-0.006 χ^2/NDF: 2362280.4/26

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

\+ sign 27.051+/-0.004 χ^2/NDF: 6764209.7/46

All: 27.158+/-0.003 χ^2/NDF: 11769172.8/96

\- sign 27.264+/-0.004 χ^2/NDF: 5003362.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/26

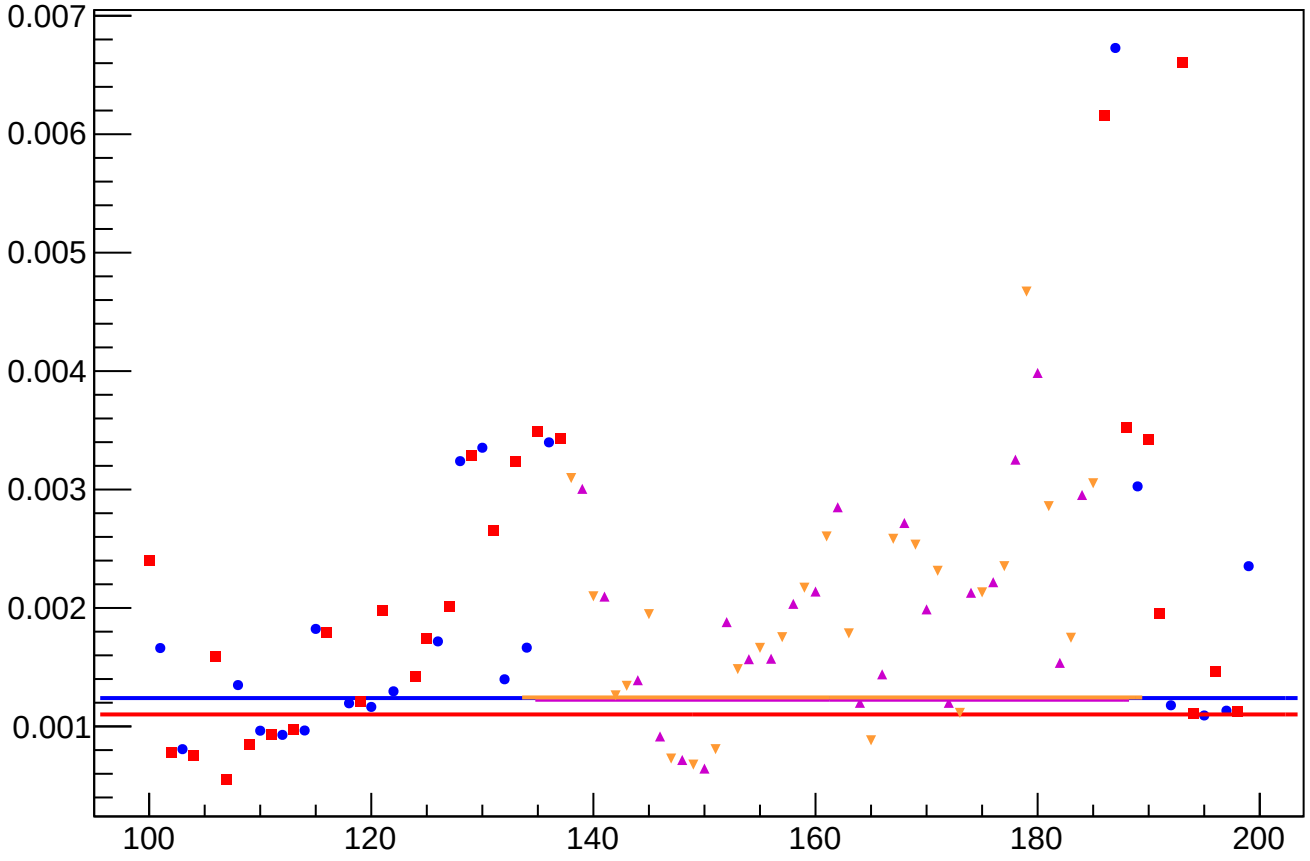
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.8/46

All: -0.000+/-0.000 χ^2/NDF: 126.1/96

- sign -0.000+/-0.000 χ^2/NDF: 64.3/49

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3293139.5/21

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

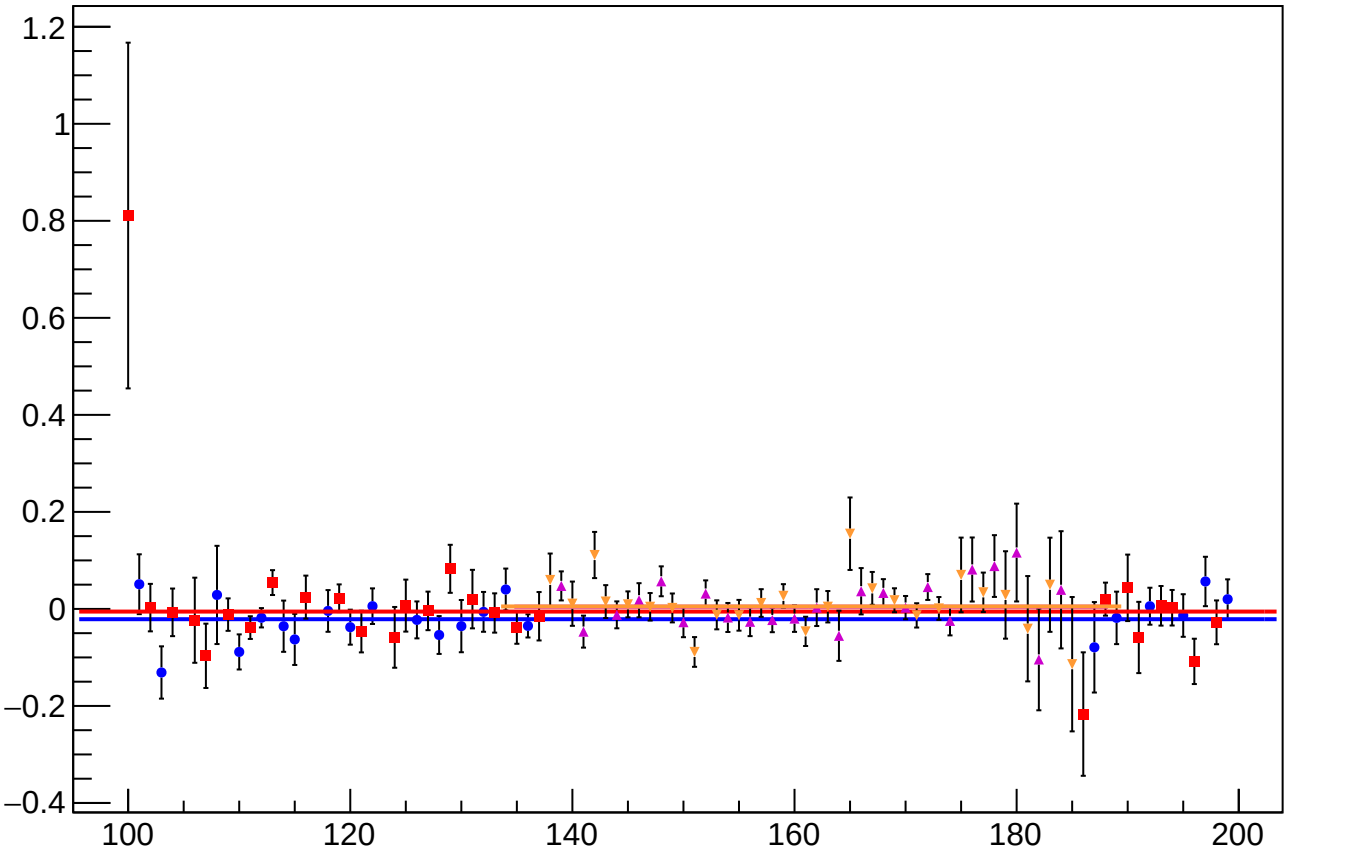
Right Out: 0.001+/-0.000 χ^2/NDF: 6182407.1/26

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 11634402.9/46

All: 0.001+/-0.000 χ^2/NDF: 25852273.7/96

- sign 0.001+/-0.000 χ^2/NDF: 14131942.4/49



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

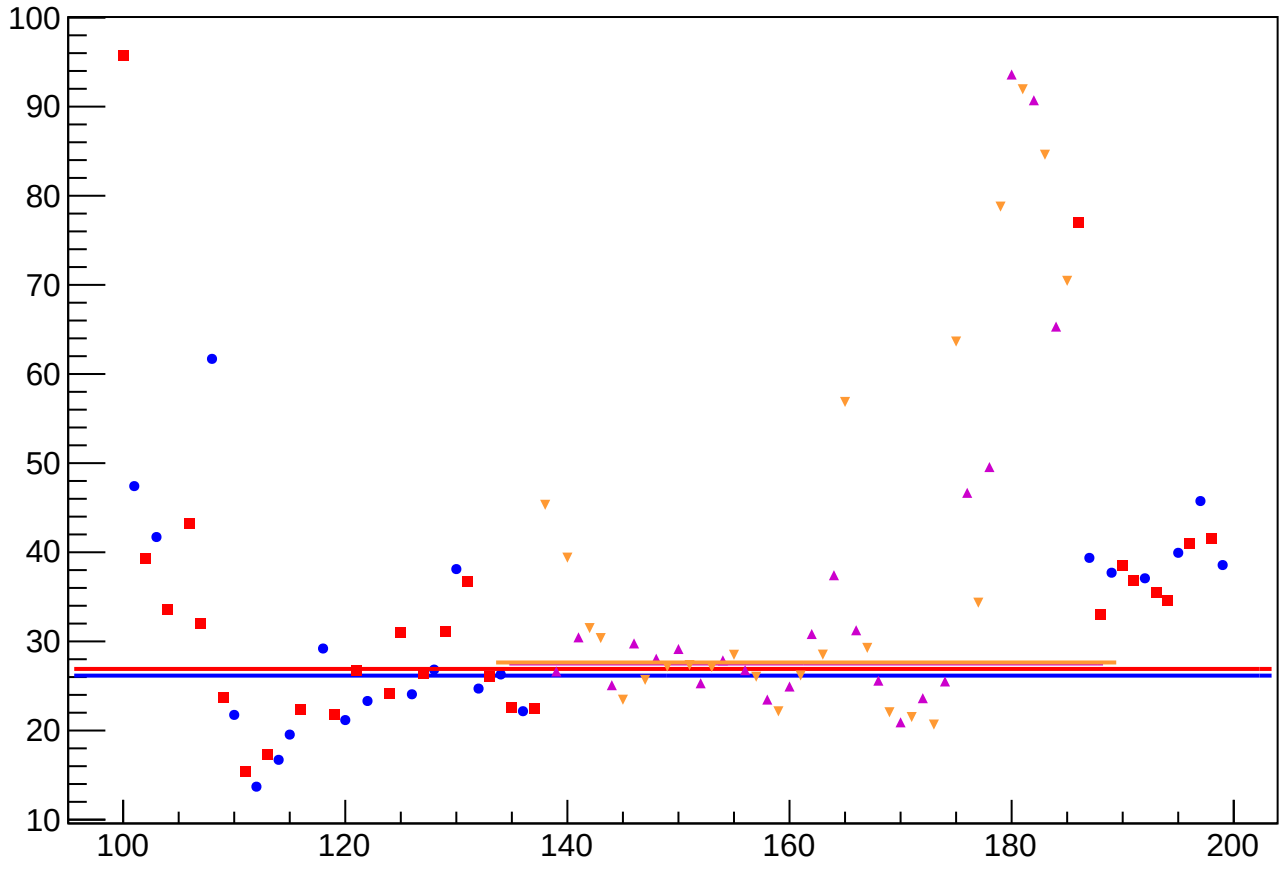
Right Out: -0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.005+/-0.005 χ^2/NDF: 52.6/46

All: -0.003+/-0.004 χ^2/NDF: 111.0/96

- sign 0.000+/-0.005 χ^2/NDF: 57.8/49



Right In: 26.161+/-0.006 χ^2/NDF: 2753480.7/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

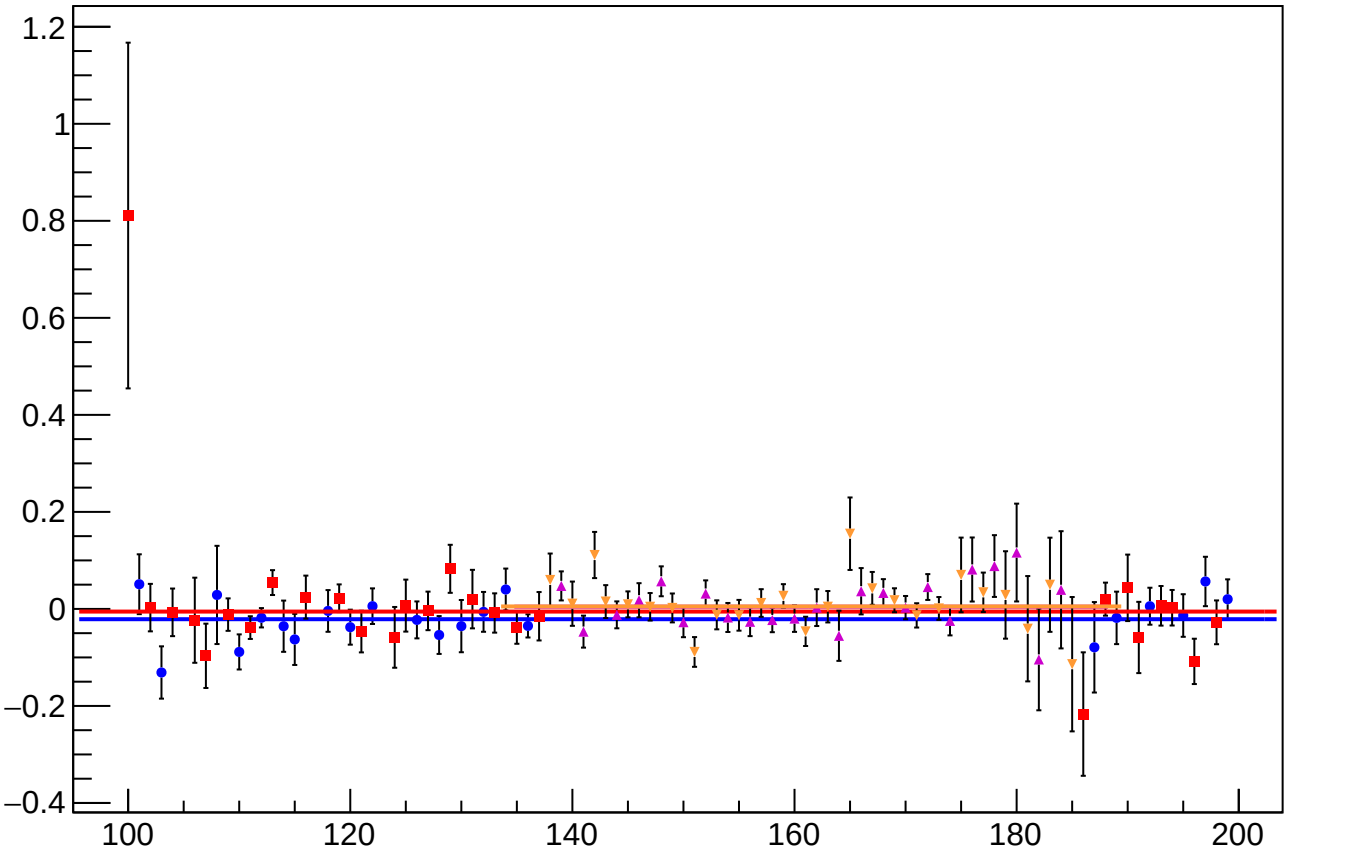
Right Out: 26.912+/-0.006 χ^2/NDF: 2362374.5/26

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

\+ sign 27.051+/-0.004 χ^2/NDF: 6764194.7/46

All: 27.158+/-0.003 χ^2/NDF: 11769227.5/96

\- sign 27.264+/-0.004 χ^2/NDF: 5003433.5/49



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

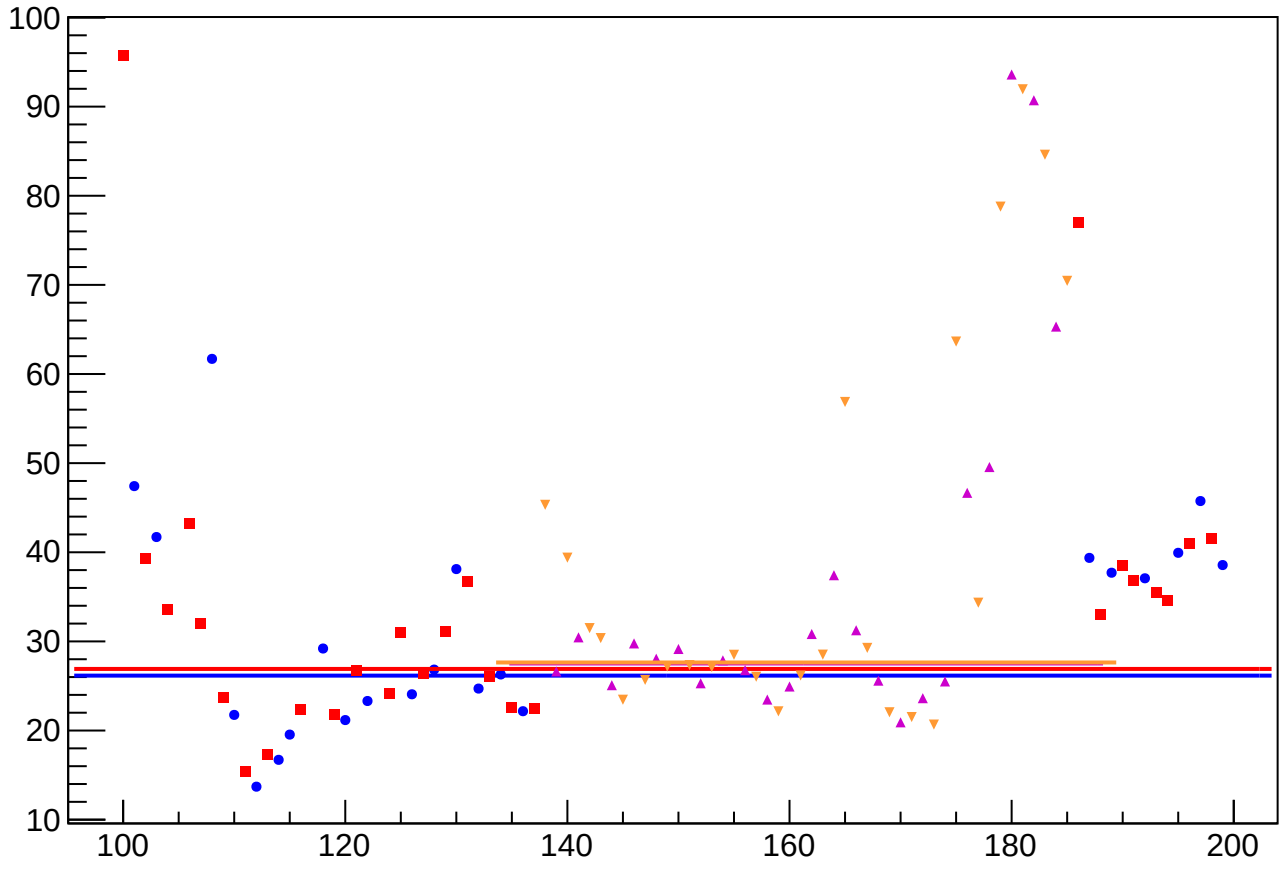
Right Out: -0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.005+/-0.005 χ^2/NDF: 52.6/46

All: -0.003+/-0.004 χ^2/NDF: 111.0/96

- sign 0.000+/-0.005 χ^2/NDF: 57.8/49



Right In: 26.161+/-0.006 χ^2/NDF: 2753480.7/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

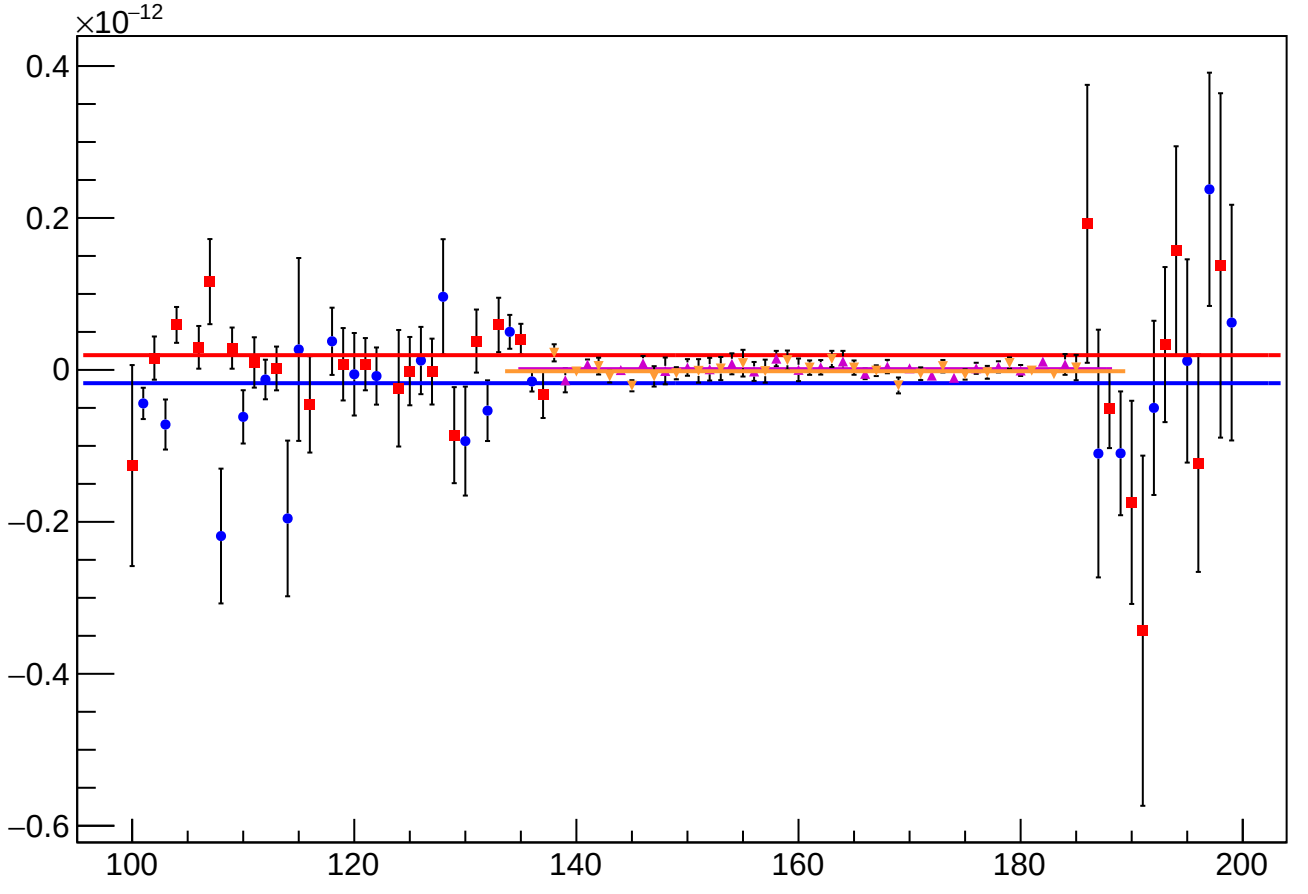
Right Out: 26.912+/-0.006 χ^2/NDF: 2362374.5/26

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.051+/-0.004 χ^2/NDF: 6764194.7/46

All: 27.158+/-0.003 χ^2/NDF: 11769227.5/96

- sign 27.264+/-0.004 χ^2/NDF: 5003433.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 34.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

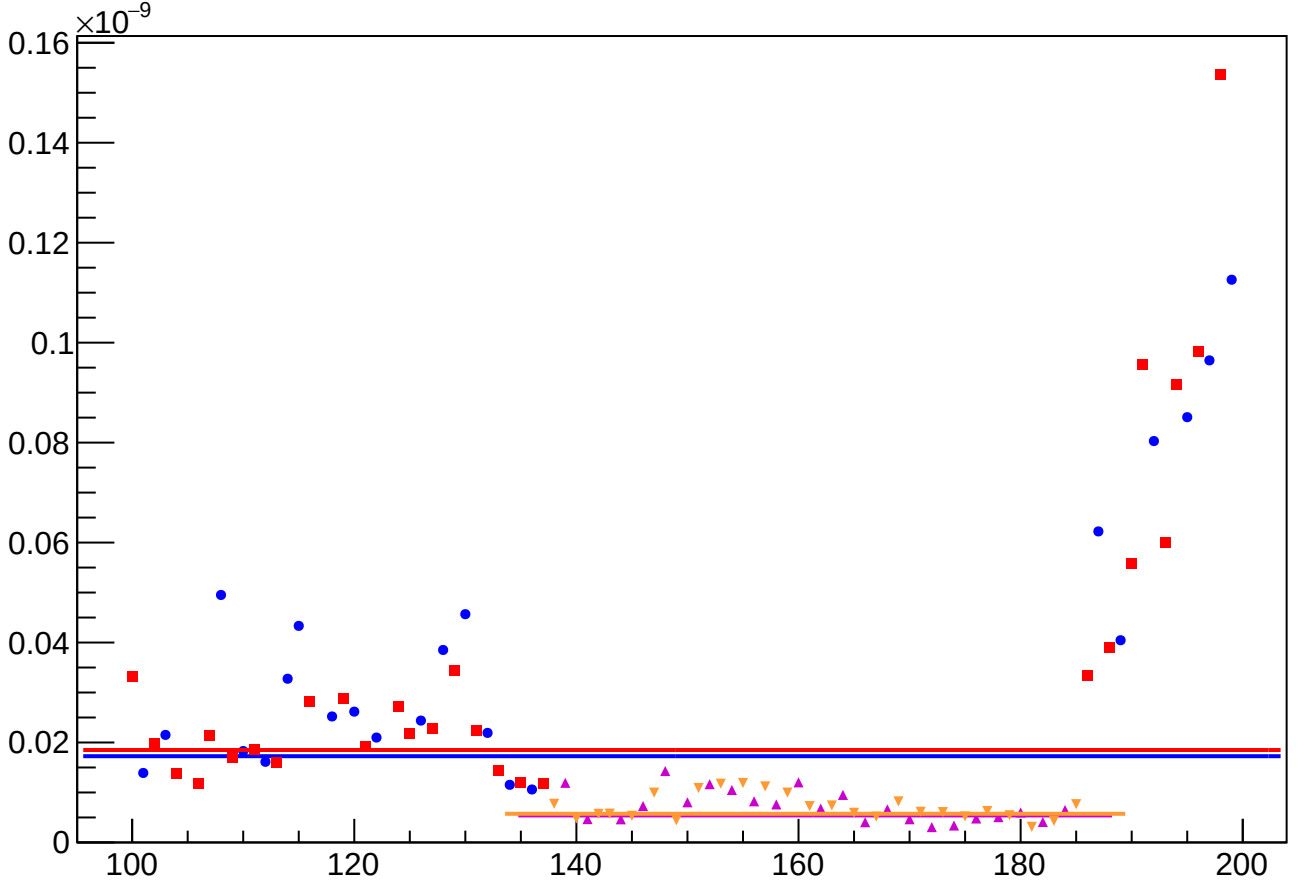
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/26

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.1/46

All: -0.000+/-0.000 χ^2/NDF: 116.1/96

- sign 0.000+/-0.000 χ^2/NDF: 49.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 4539589.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3856867.4/26

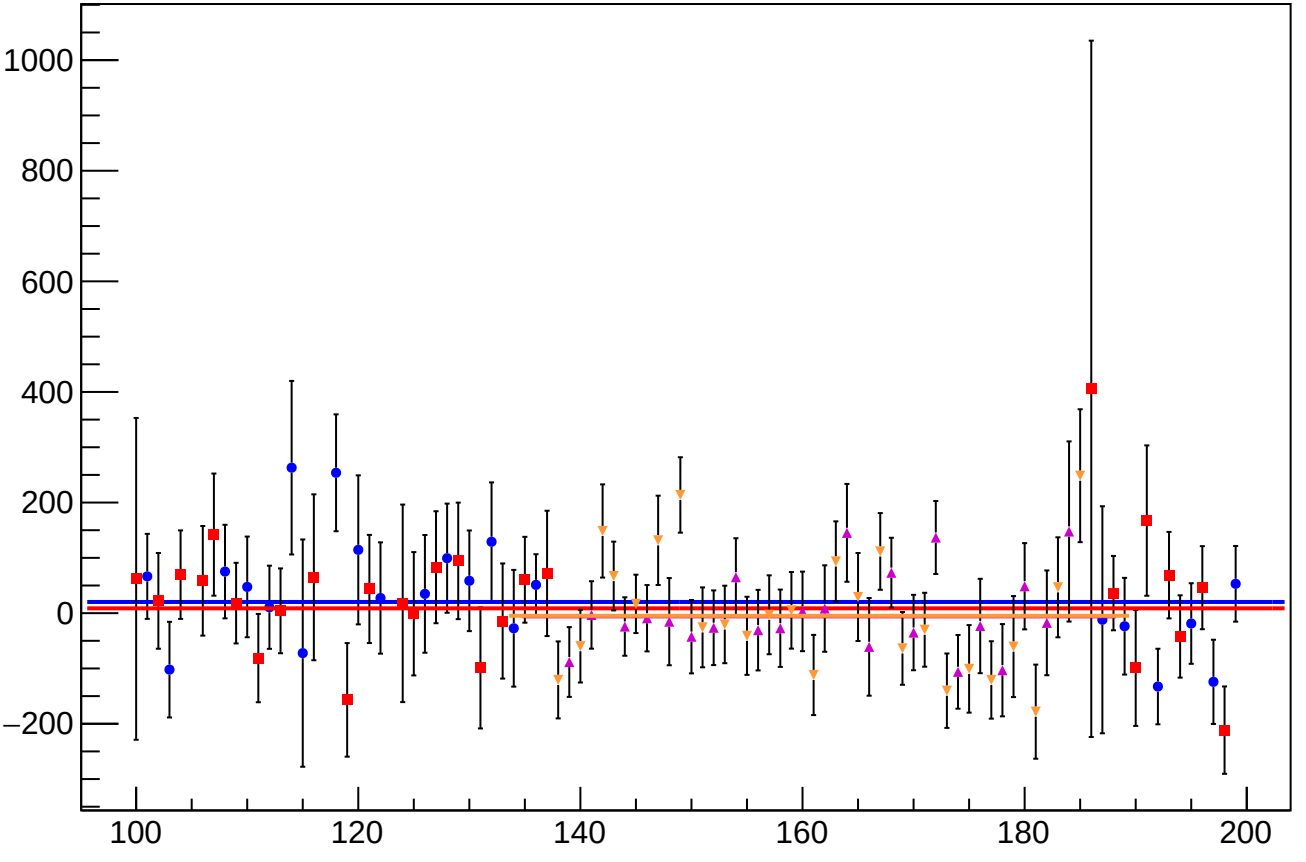
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11478372.9/46

All: 0.000+/-0.000 χ^2/NDF: 24308126.4/96

- sign 0.000+/-0.000 χ^2/NDF: 12804163.0/49

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 20.225+/-18.883 χ^2/NDF: 22.7/21

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 8.718+/-18.216 χ^2/NDF: 21.5/26

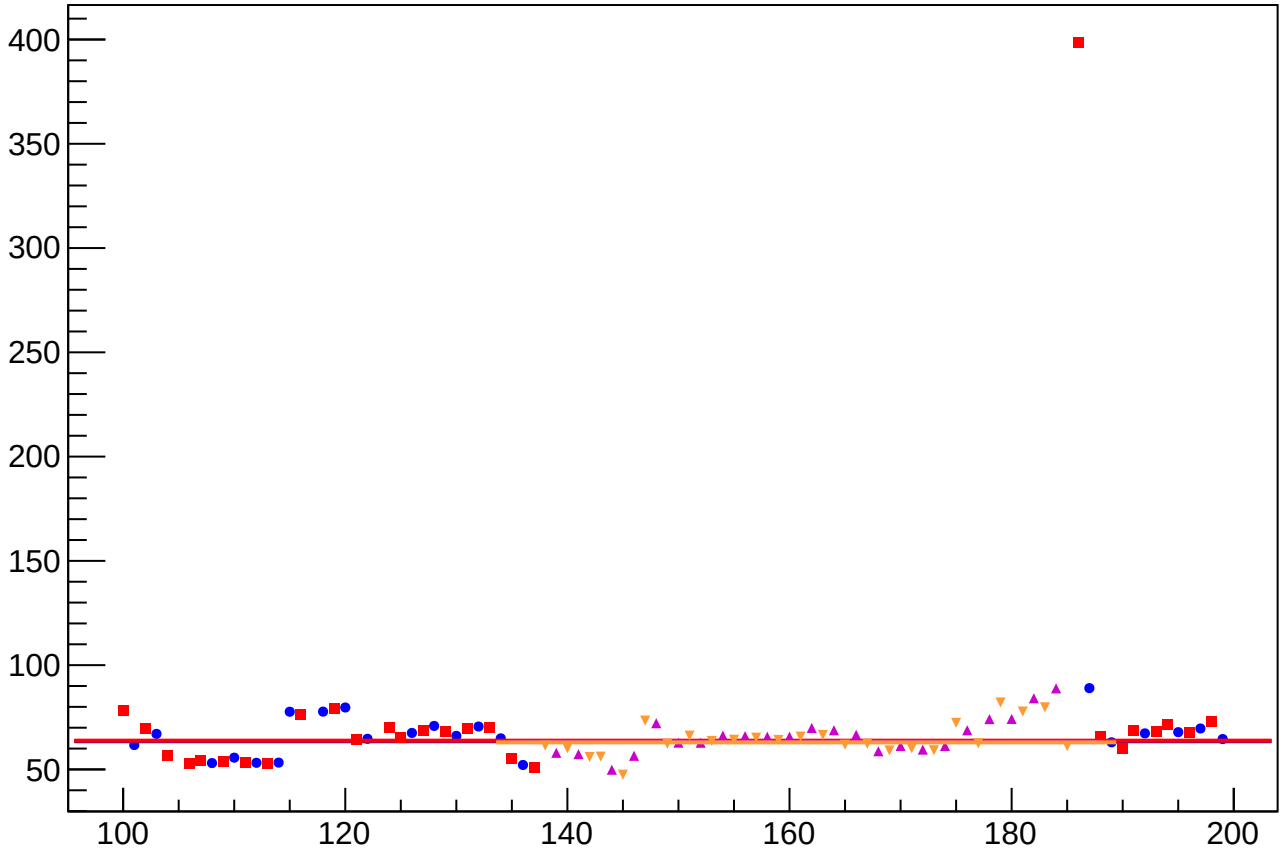
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 4.464+/-11.466 χ^2/NDF: 71.1/46

All: 2.272+/-8.136 χ^2/NDF: 111.4/96

- sign 0.048+/-11.548 χ^2/NDF: 40.2/49

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 63.522+/-0.013 χ^2/NDF: 337194.1/21

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.786+/-0.013 χ^2/NDF: 947787.0/26

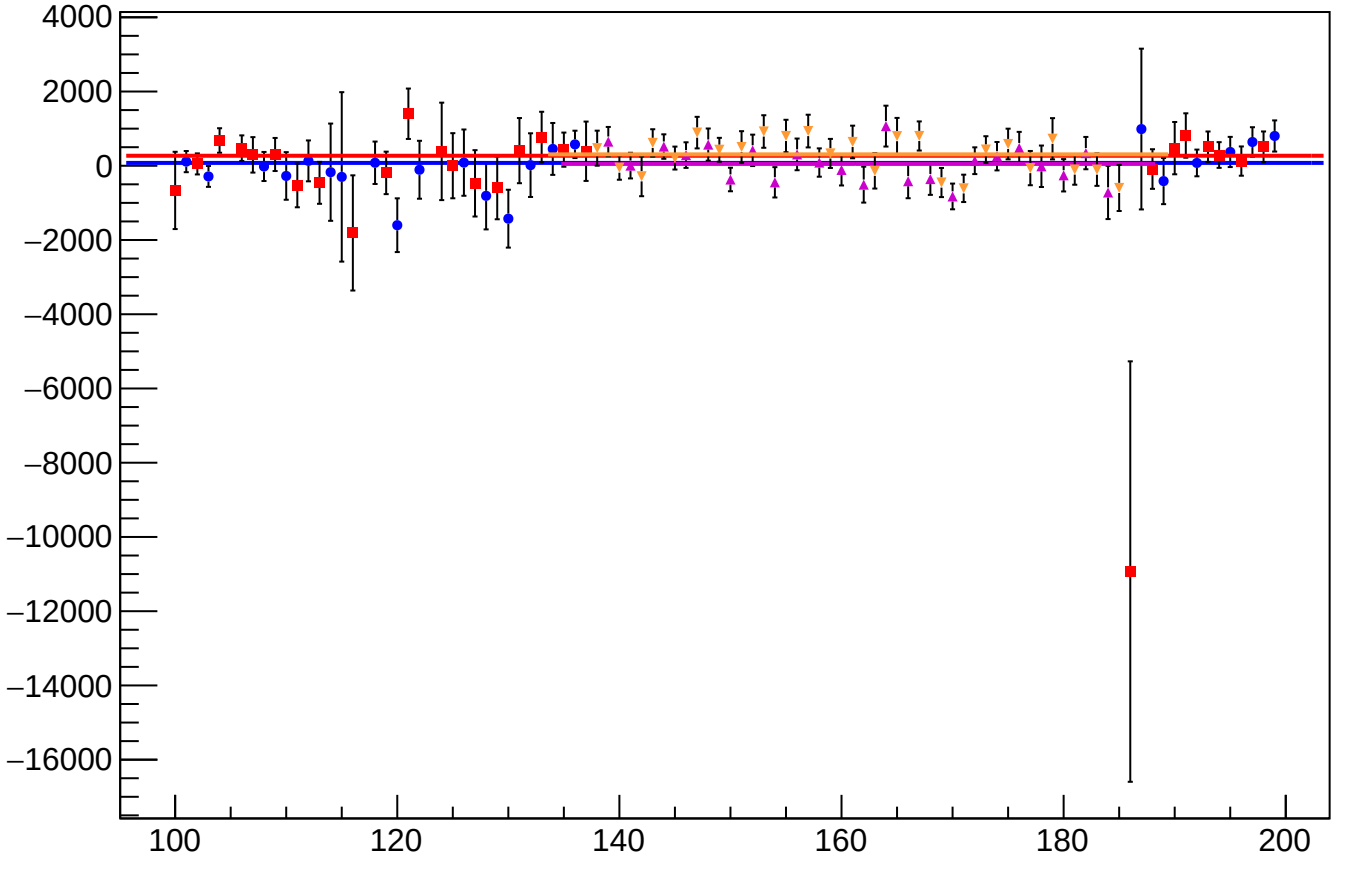
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.177+/-0.008 χ^2/NDF: 865107.4/46

All: 63.355+/-0.006 χ^2/NDF: 2311422.9/96

- sign 63.535+/-0.008 χ^2/NDF: 1445351.8/49

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: 76.913+/-106.583 χ^2/NDF: 20.7/21

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 269.785+/-99.382 χ^2/NDF: 20.7/26

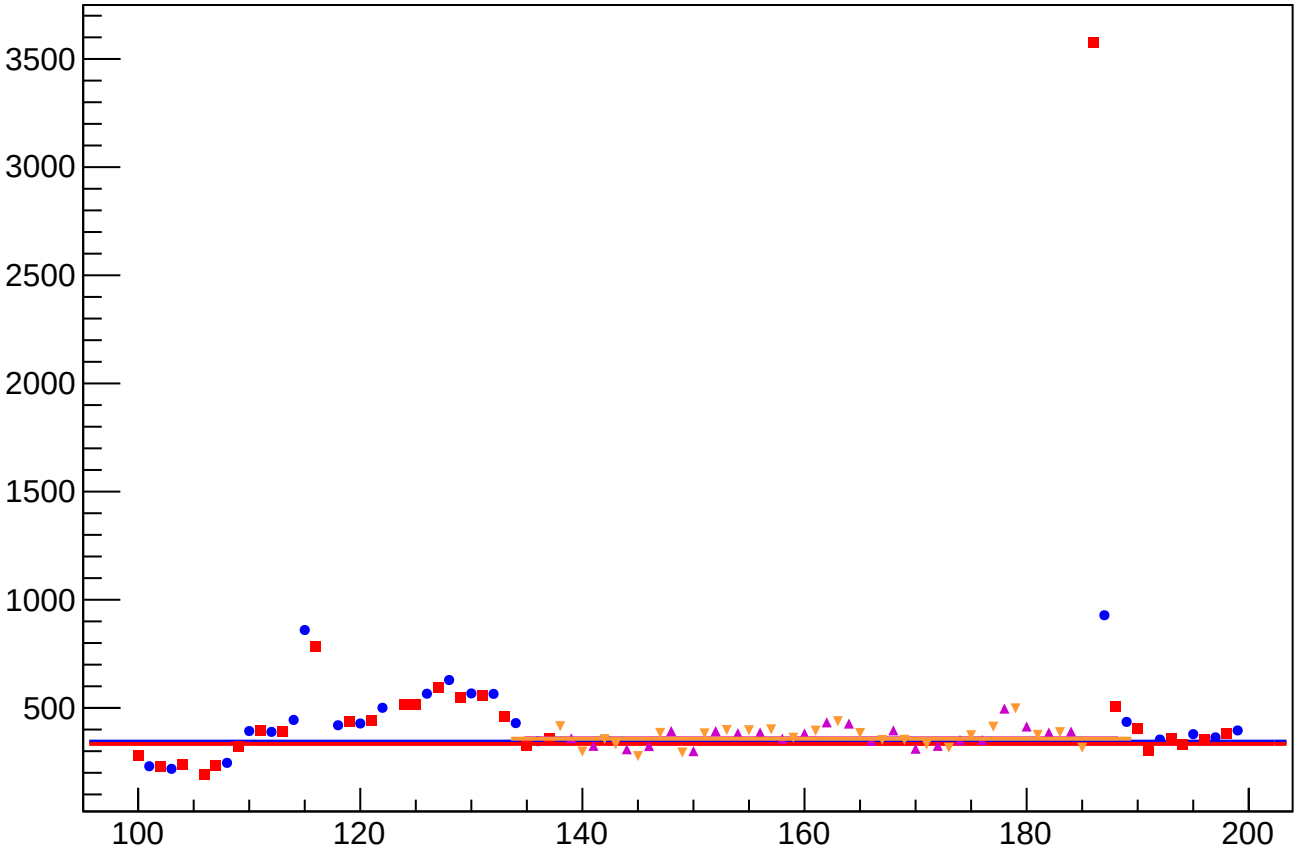
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

\+ sign 221.090+/-65.171 χ^2/NDF: 54.2/46

All: 181.488+/-45.853 χ^2/NDF: 105.8/96

\- sign 142.666+/-64.525 χ^2/NDF: 50.8/49

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 344.072+/-0.075 χ^2/NDF: 2012453.7/21

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 333.728+/-0.070 χ^2/NDF: 2778348.4/26

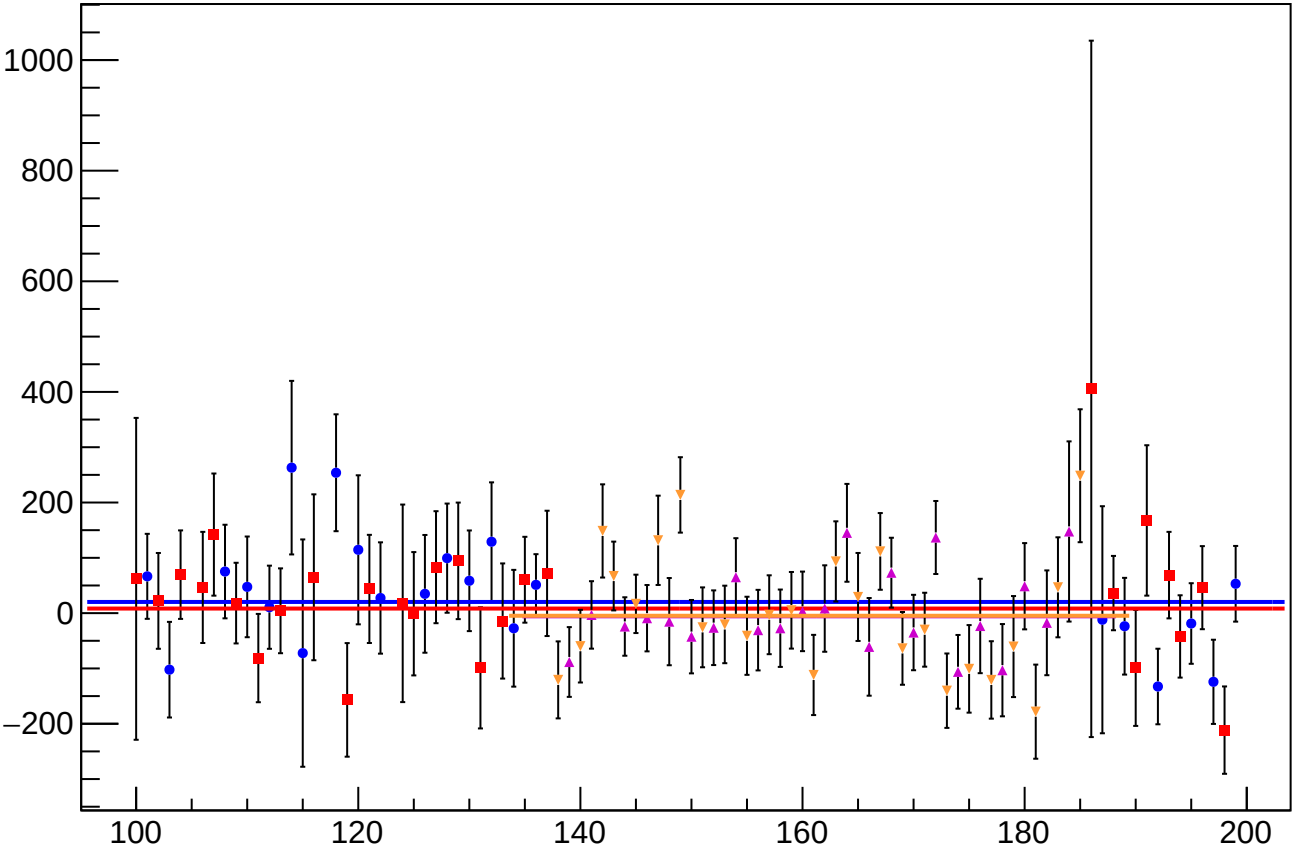
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 352.624+/-0.046 χ^2/NDF: 2716751.2/46

All: 350.567+/-0.032 χ^2/NDF: 6095706.1/96

- sign 348.549+/-0.046 χ^2/NDF: 3375005.8/49

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 20.219+/-18.883 χ^2/NDF: 22.7/21

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 8.277+/-18.225 χ^2/NDF: 21.4/26

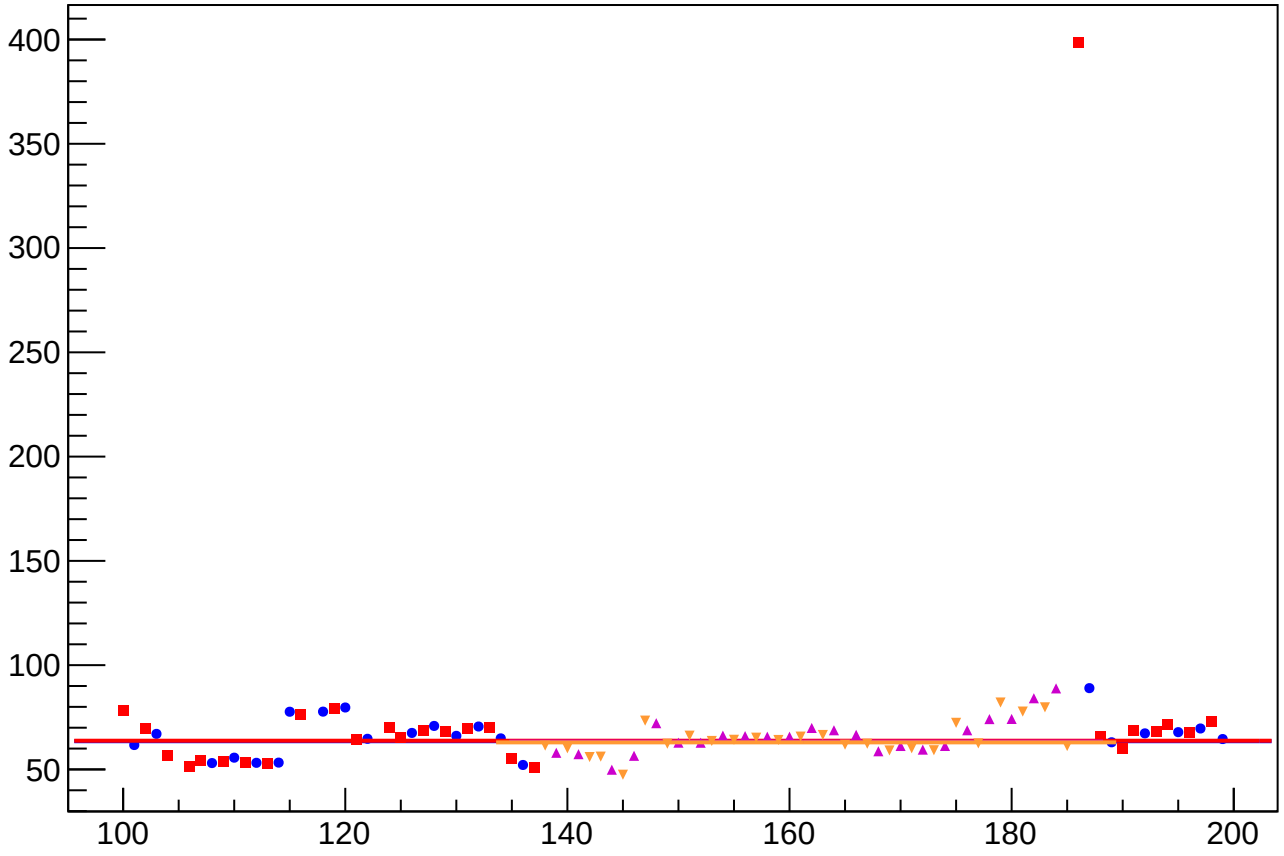
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 4.458+/-11.466 χ^2/NDF: 71.1/46

All: 2.180+/-8.137 χ^2/NDF: 111.3/96

- sign -0.131+/-11.550 χ^2/NDF: 40.1/49

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.522+/-0.013 χ^2/NDF: 337194.2/21

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.762+/-0.013 χ^2/NDF: 952043.4/26

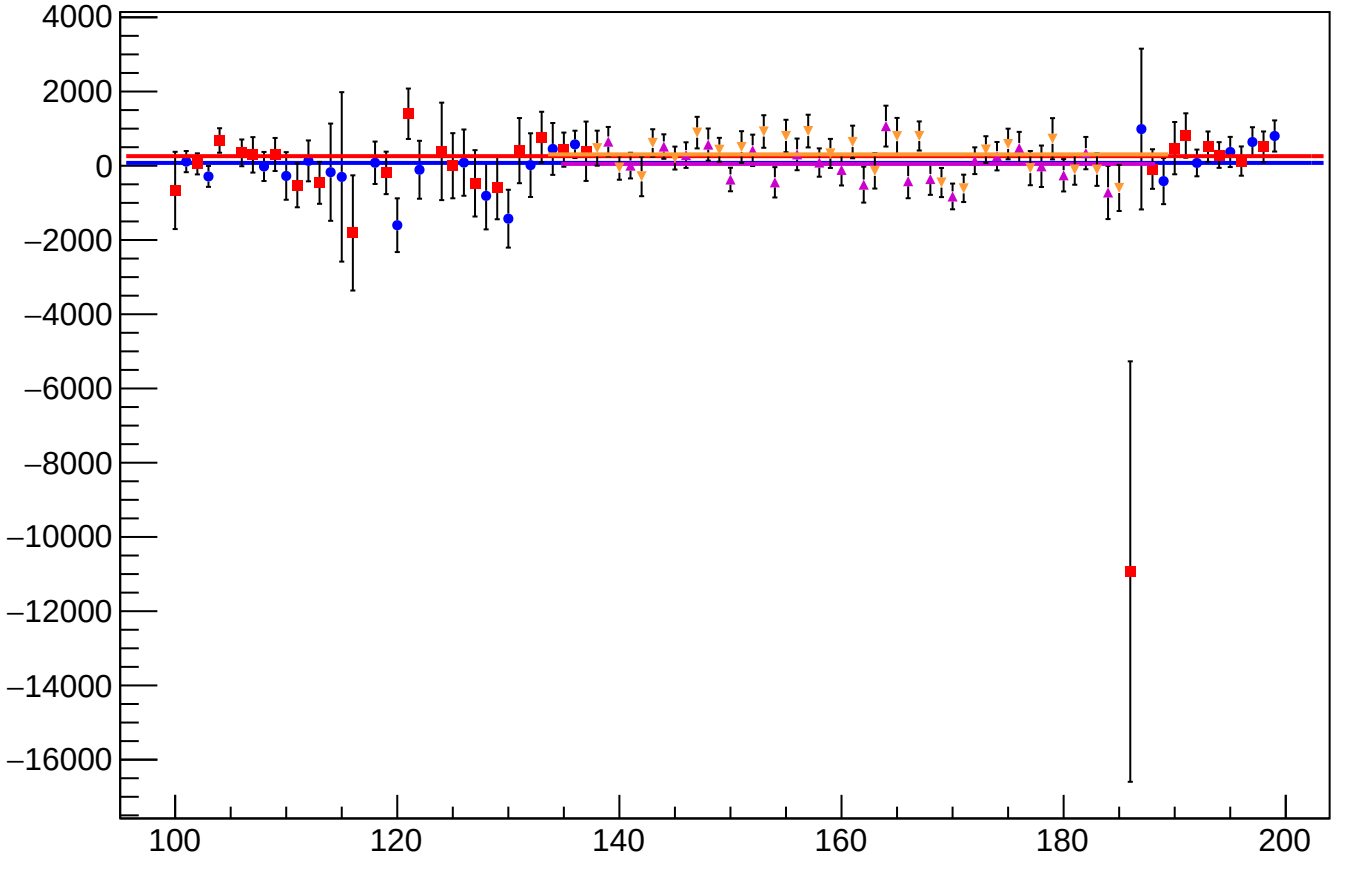
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 63.177+/-0.008 χ^2/NDF: 865107.6/46

All: 63.350+/-0.006 χ^2/NDF: 2315556.9/96

\- sign 63.525+/-0.008 χ^2/NDF: 1449537.4/49

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: 76.923+/-106.583 χ^2/NDF: 20.7/21

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 258.779+/-99.752 χ^2/NDF: 20.4/26

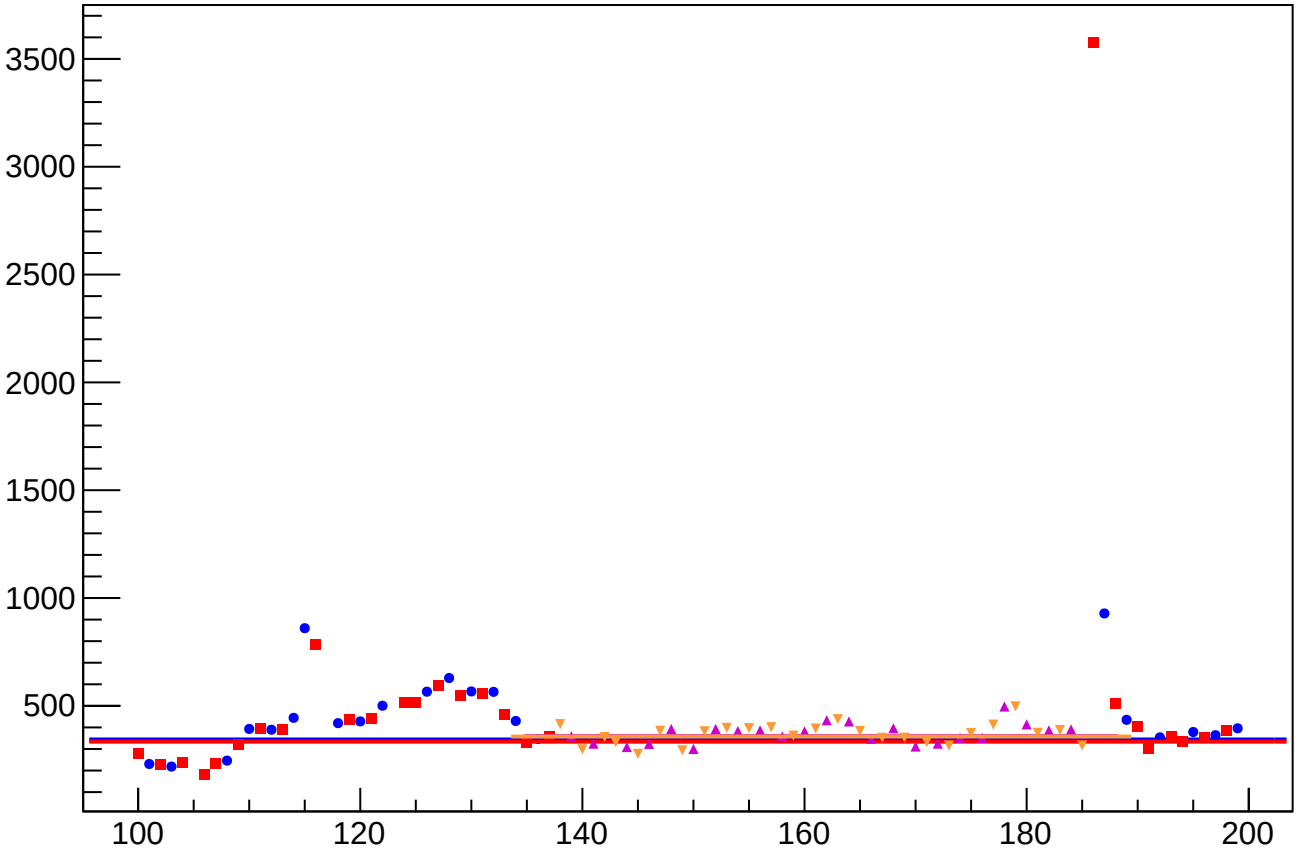
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 221.090+/-65.171 χ^2/NDF: 54.2/46

All: 179.019+/-45.889 χ^2/NDF: 105.3/96

- sign 137.647+/-64.626 χ^2/NDF: 50.2/49

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 344.074+/-0.075 χ^2/NDF: 2012379.0/21

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 334.001+/-0.071 χ^2/NDF: 2795171.7/26

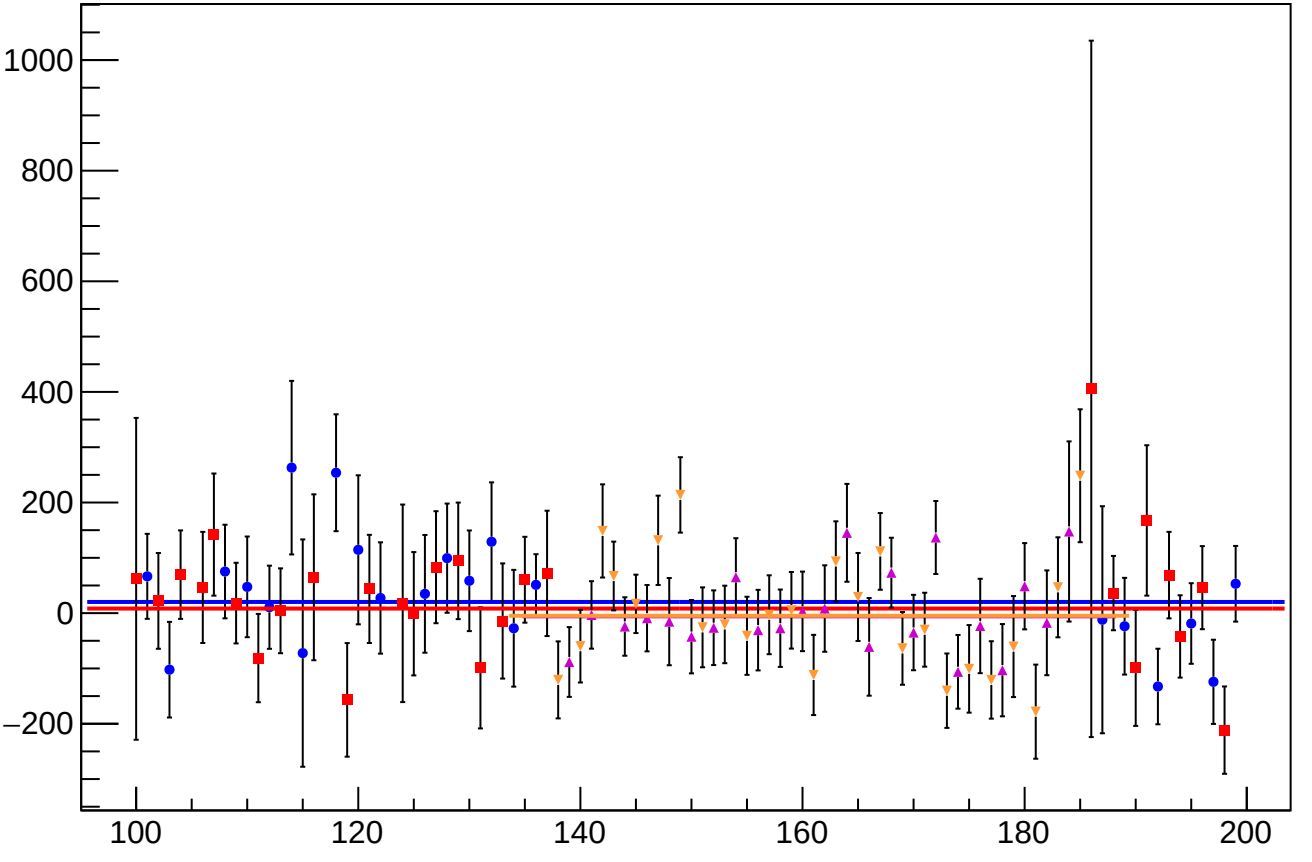
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 352.625+/-0.046 χ^2/NDF: 2716666.5/46

All: 350.651+/-0.032 χ^2/NDF: 6110184.0/96

- sign 348.710+/-0.046 χ^2/NDF: 3389878.4/49

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 20.219+/-18.883 χ^2/NDF: 22.7/21

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 8.277+/-18.225 χ^2/NDF: 21.4/26

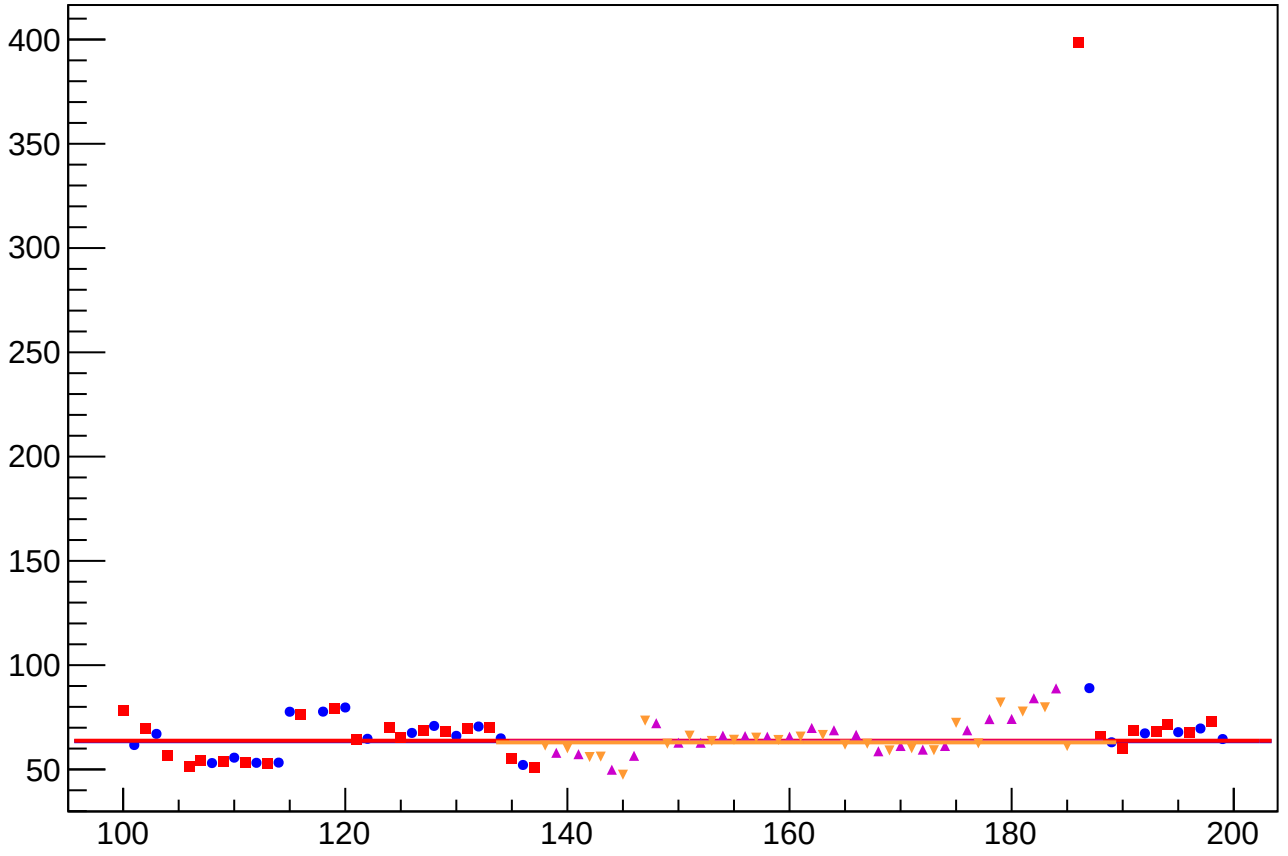
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 4.458+/-11.466 χ^2/NDF: 71.1/46

All: 2.180+/-8.137 χ^2/NDF: 111.3/96

- sign -0.131+/-11.550 χ^2/NDF: 40.1/49

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.522+/-0.013 χ^2/NDF: 337194.2/21

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

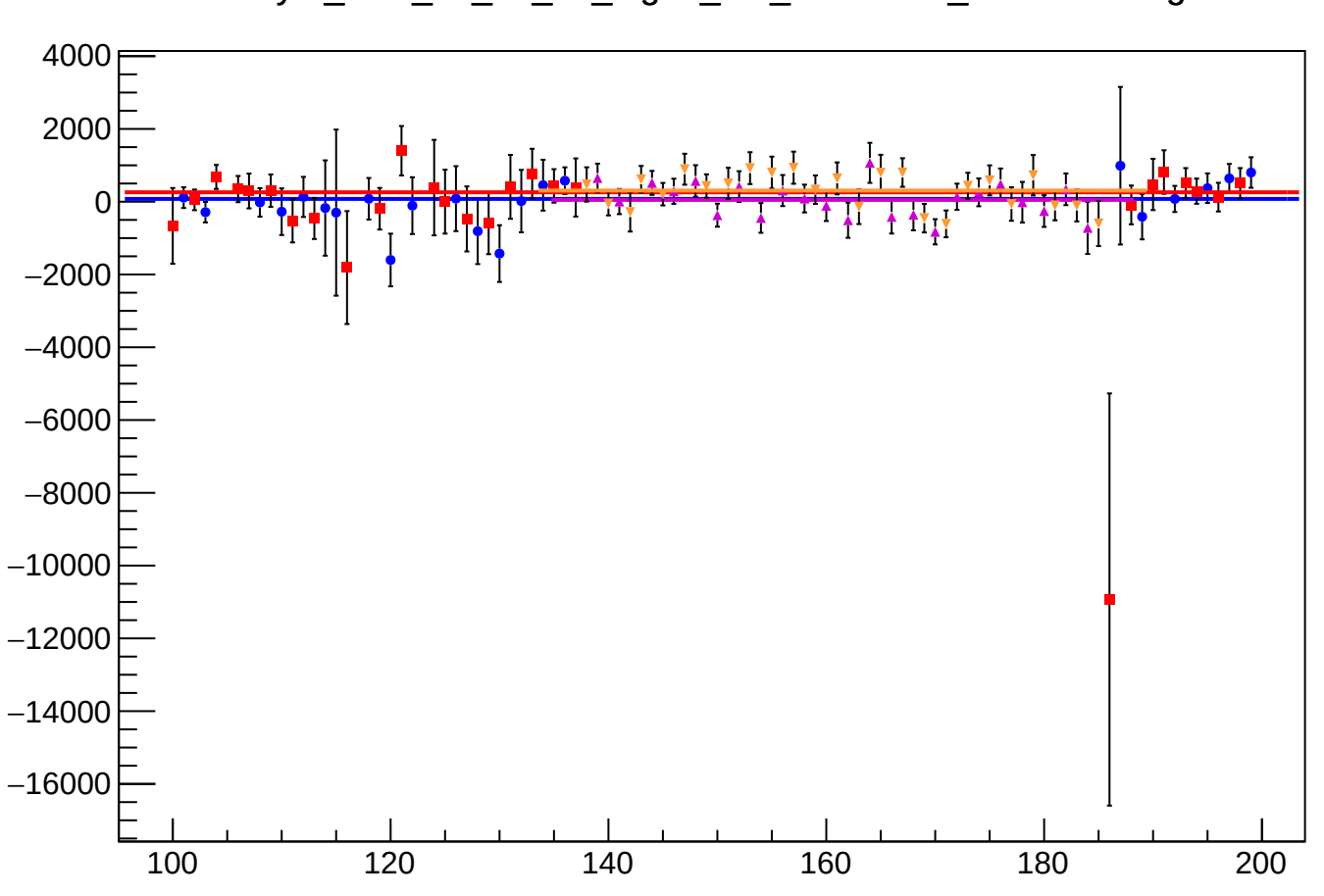
Right Out: 63.762+/-0.013 χ^2/NDF: 952043.4/26

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.177+/-0.008 χ^2/NDF: 865107.6/46

All: 63.350+/-0.006 χ^2/NDF: 2315556.9/96

- sign 63.525+/-0.008 χ^2/NDF: 1449537.4/49



Right In: 76.923+/-106.583 χ^2/NDF: 20.7/21

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

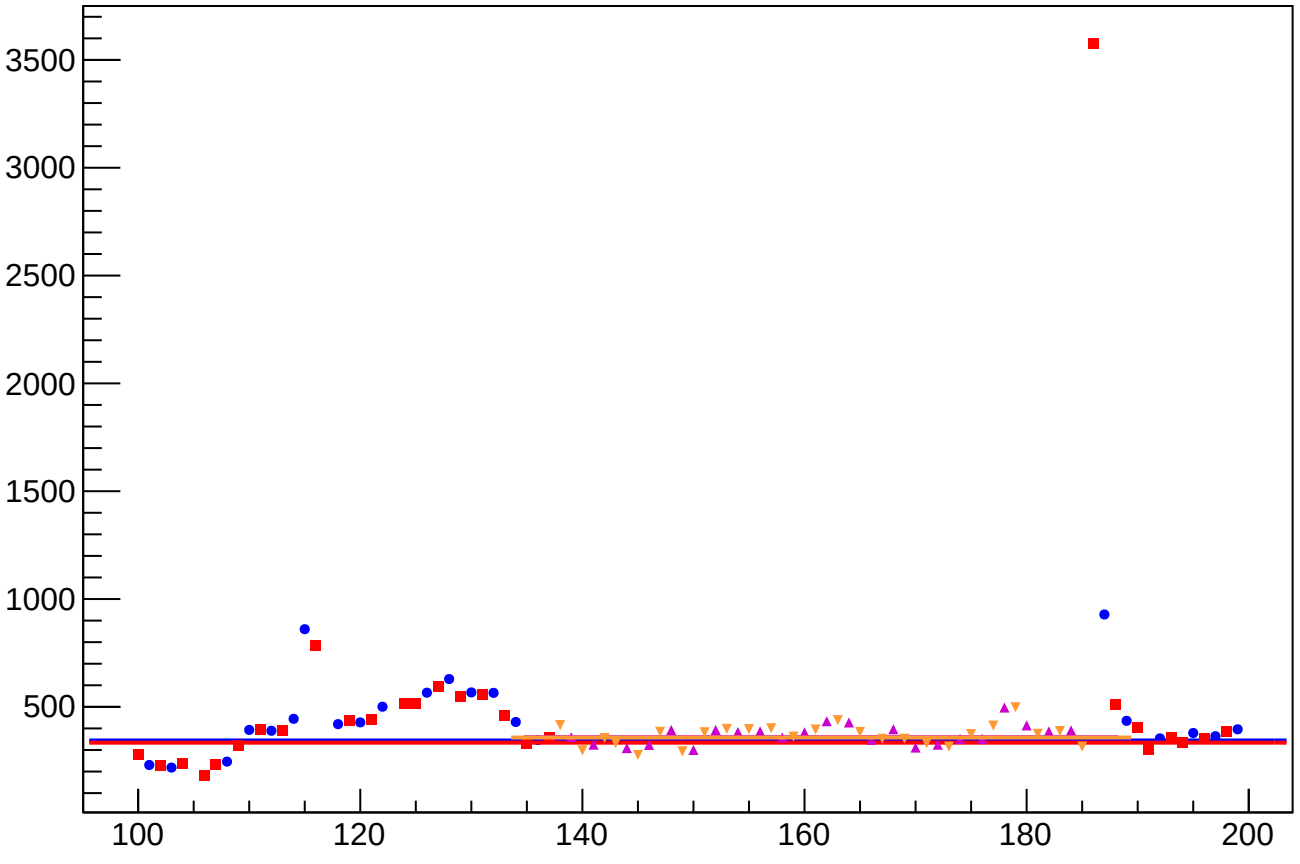
Right Out: 258.779+/-99.752 χ^2/NDF: 20.4/26

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 221.090+/-65.171 χ^2/NDF: 54.2/46

All: 179.019+/-45.889 χ^2/NDF: 105.3/96

- sign 137.647+/-64.626 χ^2/NDF: 50.2/49



Right In: 344.074+/-0.075 χ^2/NDF: 2012379.0/21

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 334.001+/-0.071 χ^2/NDF: 2795171.7/26

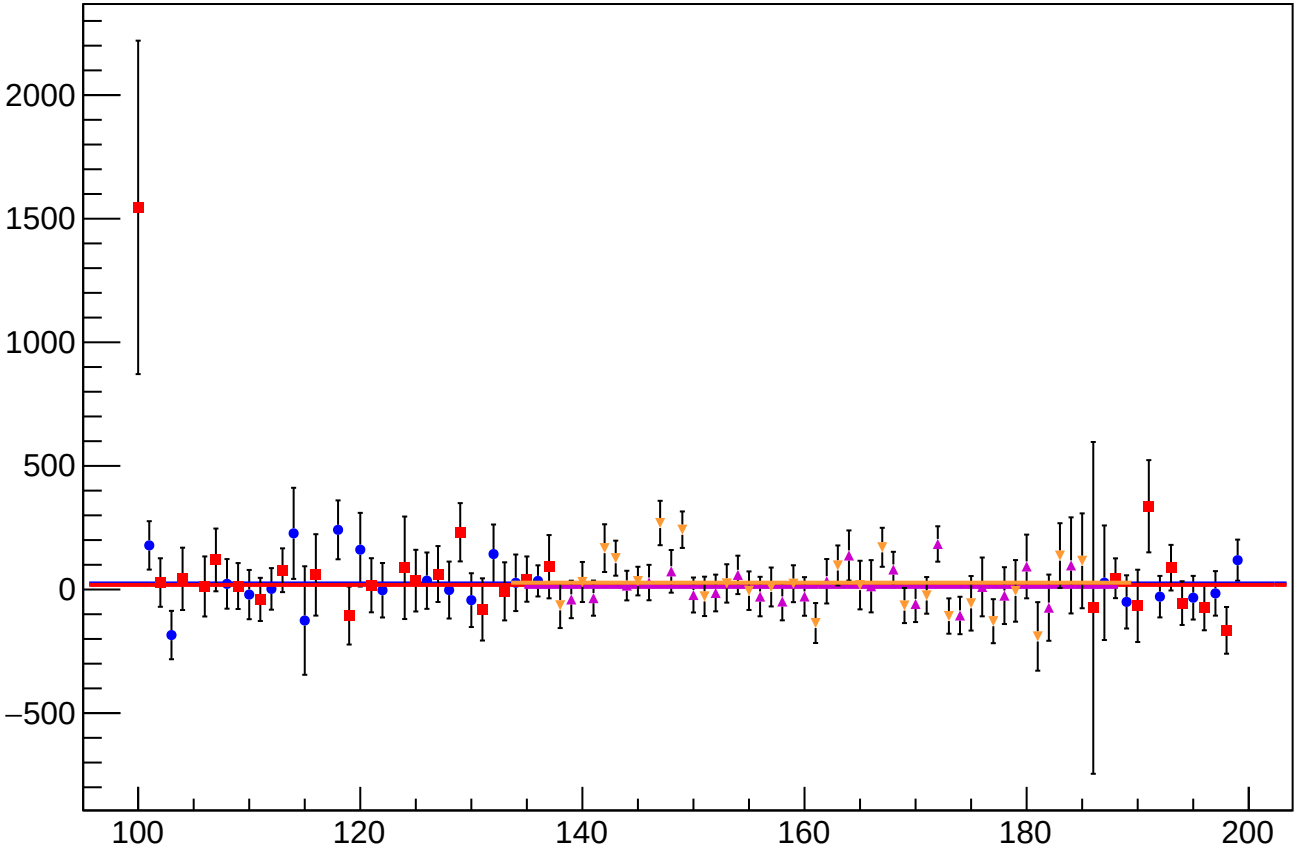
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 352.625+/-0.046 χ^2/NDF: 2716666.5/46

All: 350.651+/-0.032 χ^2/NDF: 6110184.0/96

- sign 348.710+/-0.046 χ^2/NDF: 3389878.4/49

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 24.530+/-21.946 χ^2/NDF: 17.4/21

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 18.623+/-21.658 χ^2/NDF: 22.0/26

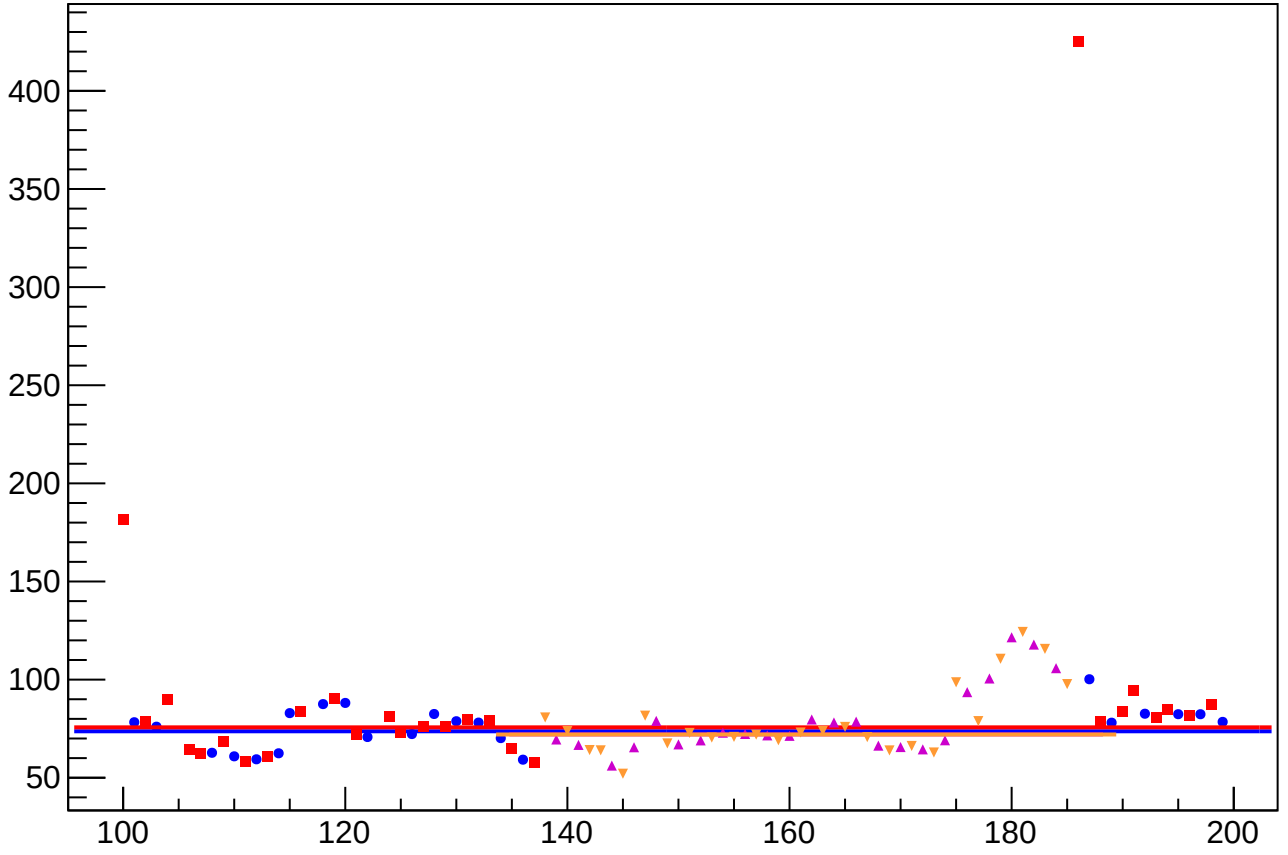
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.488+/-13.311 χ^2/NDF: 59.8/46

All: 20.155+/-9.472 χ^2/NDF: 98.4/96

- sign 13.660+/-13.481 χ^2/NDF: 38.2/49

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.674+/-0.016 χ^2/NDF: 401507.5/21

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.677+/-0.015 χ^2/NDF: 1013280.0/26

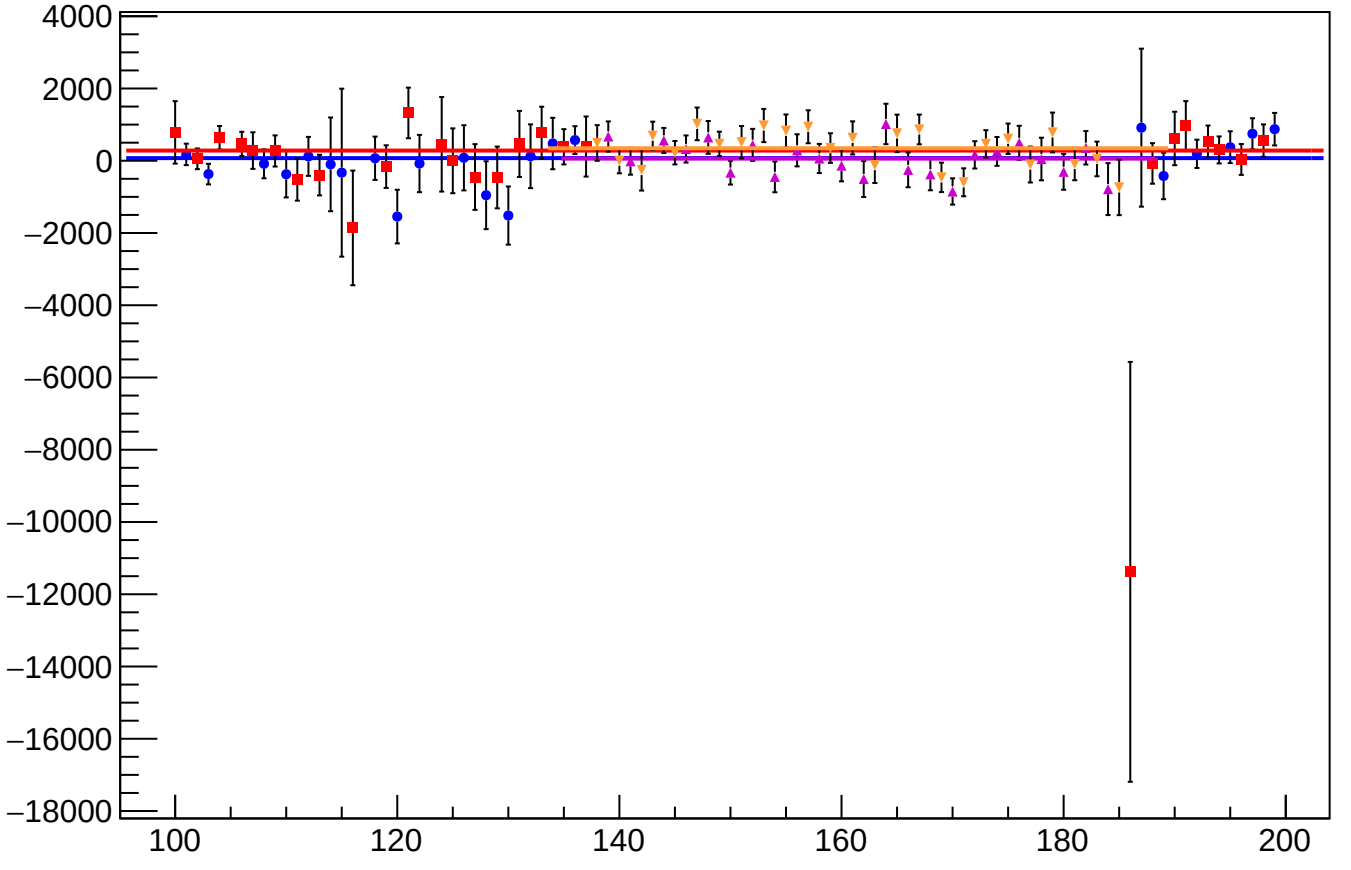
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

\+ sign 72.641+/-0.009 χ^2/NDF: 1677979.7/46

All: 73.056+/-0.007 χ^2/NDF: 3787604.4/96

\- sign 73.481+/-0.010 χ^2/NDF: 2105697.1/49

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 72.583+/-110.881 χ^2/NDF: 22.0/21

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 281.607+/-102.218 χ^2/NDF: 19.2/26

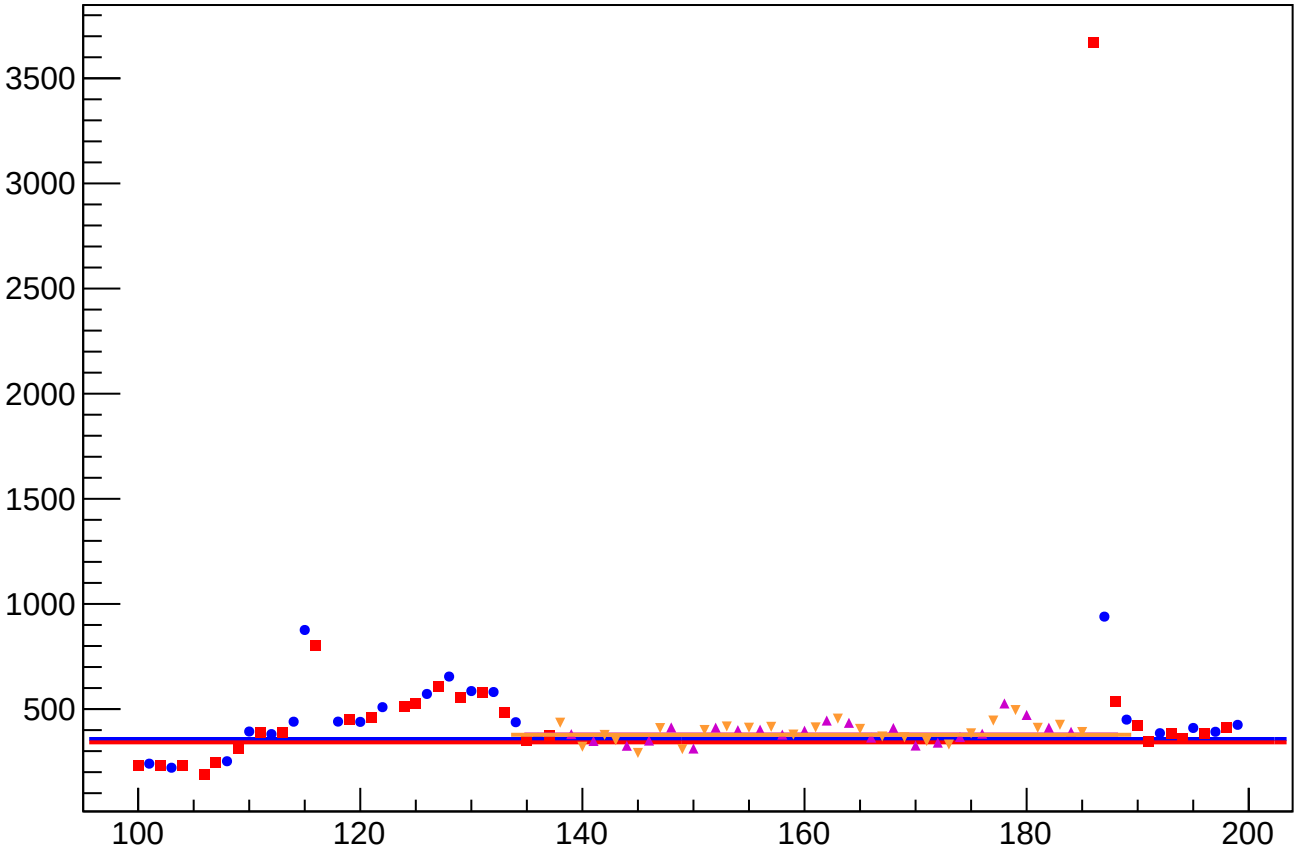
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 242.062+/-68.359 χ^2/NDF: 54.8/46

All: 198.362+/-47.958 χ^2/NDF: 103.3/96

- sign 156.007+/-67.298 χ^2/NDF: 47.7/49

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 357.662+/-0.078 χ^2/NDF: 2070587.9/21

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 341.760+/-0.072 χ^2/NDF: 3026863.6/26

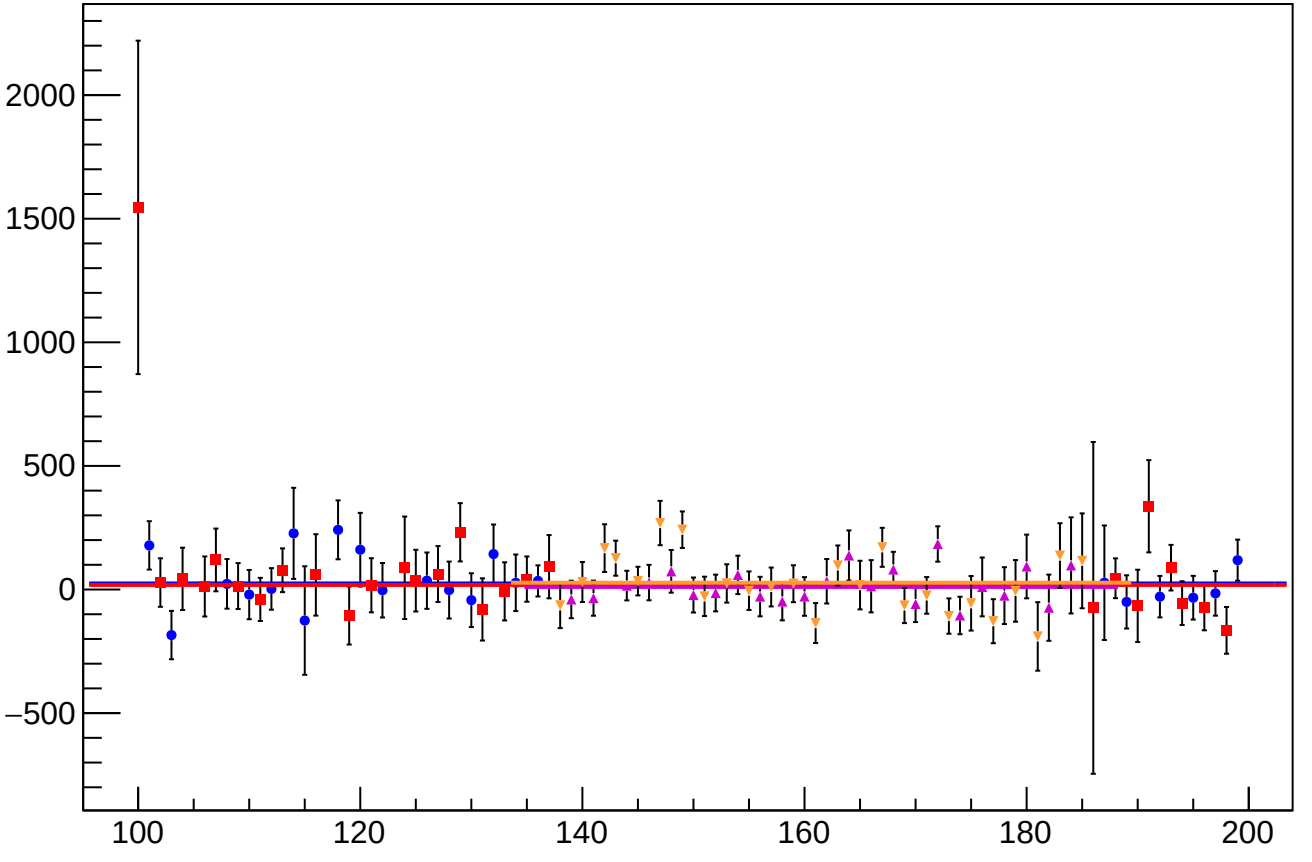
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 370.144+/-0.048 χ^2/NDF: 2748185.0/46

All: 366.406+/-0.034 χ^2/NDF: 6463843.1/96

- sign 362.784+/-0.048 χ^2/NDF: 3703884.1/49

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 24.530+/-21.946 χ^2/NDF: 17.4/21

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 18.623+/-21.658 χ^2/NDF: 22.0/26

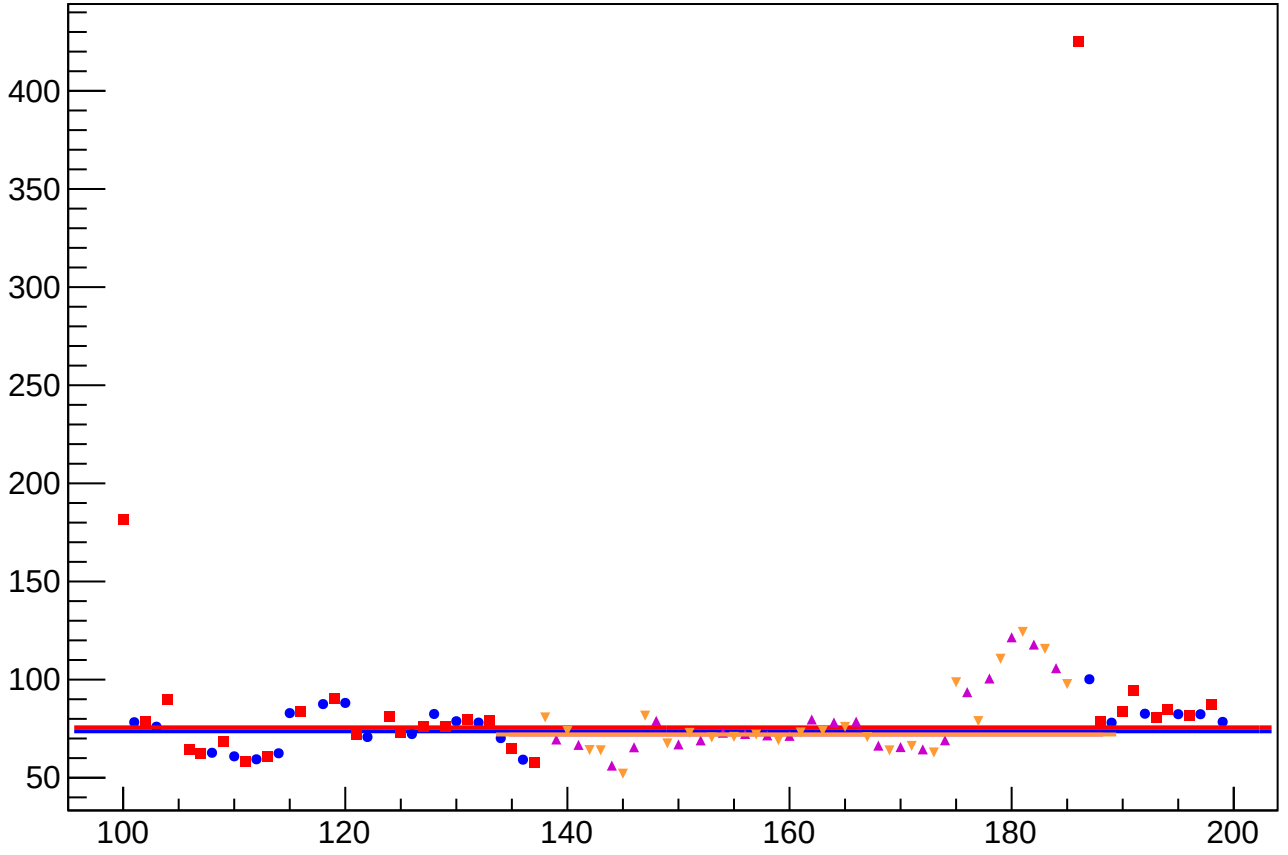
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.487+/-13.311 χ^2/NDF: 59.8/46

All: 20.155+/-9.472 χ^2/NDF: 98.4/96

- sign 13.660+/-13.481 χ^2/NDF: 38.2/49

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.674+/-0.016 χ^2/NDF: 401504.9/21

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

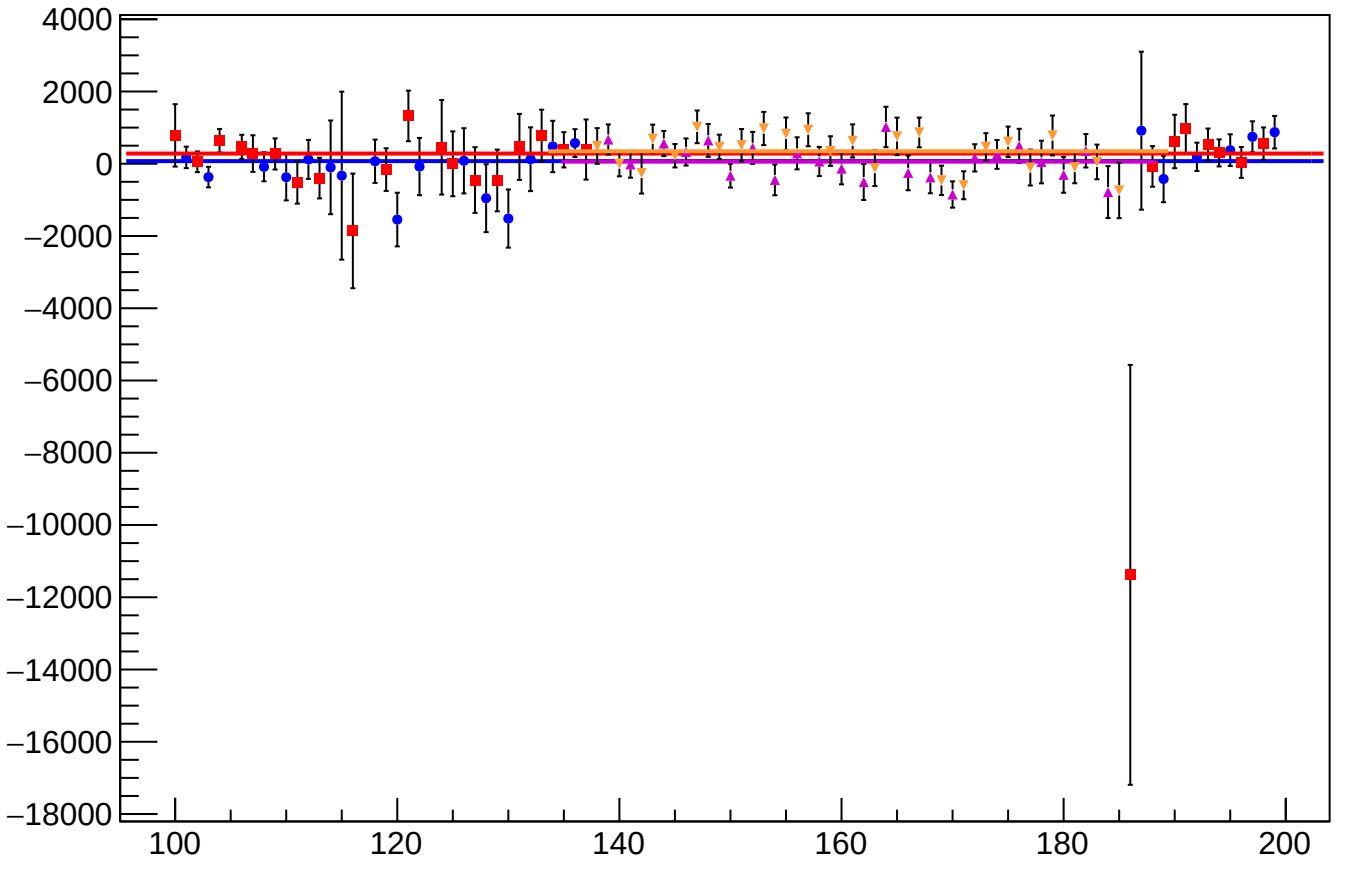
Right Out: 75.677+/-0.015 χ^2/NDF: 1013277.8/26

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.641+/-0.009 χ^2/NDF: 1677985.0/46

All: 73.056+/-0.007 χ^2/NDF: 3787597.2/96

- sign 73.481+/-0.010 χ^2/NDF: 2105685.0/49



Right In: 72.582+/-110.881 χ^2/NDF: 22.0/21

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: 281.607+/-102.218 χ^2/NDF: 19.2/26

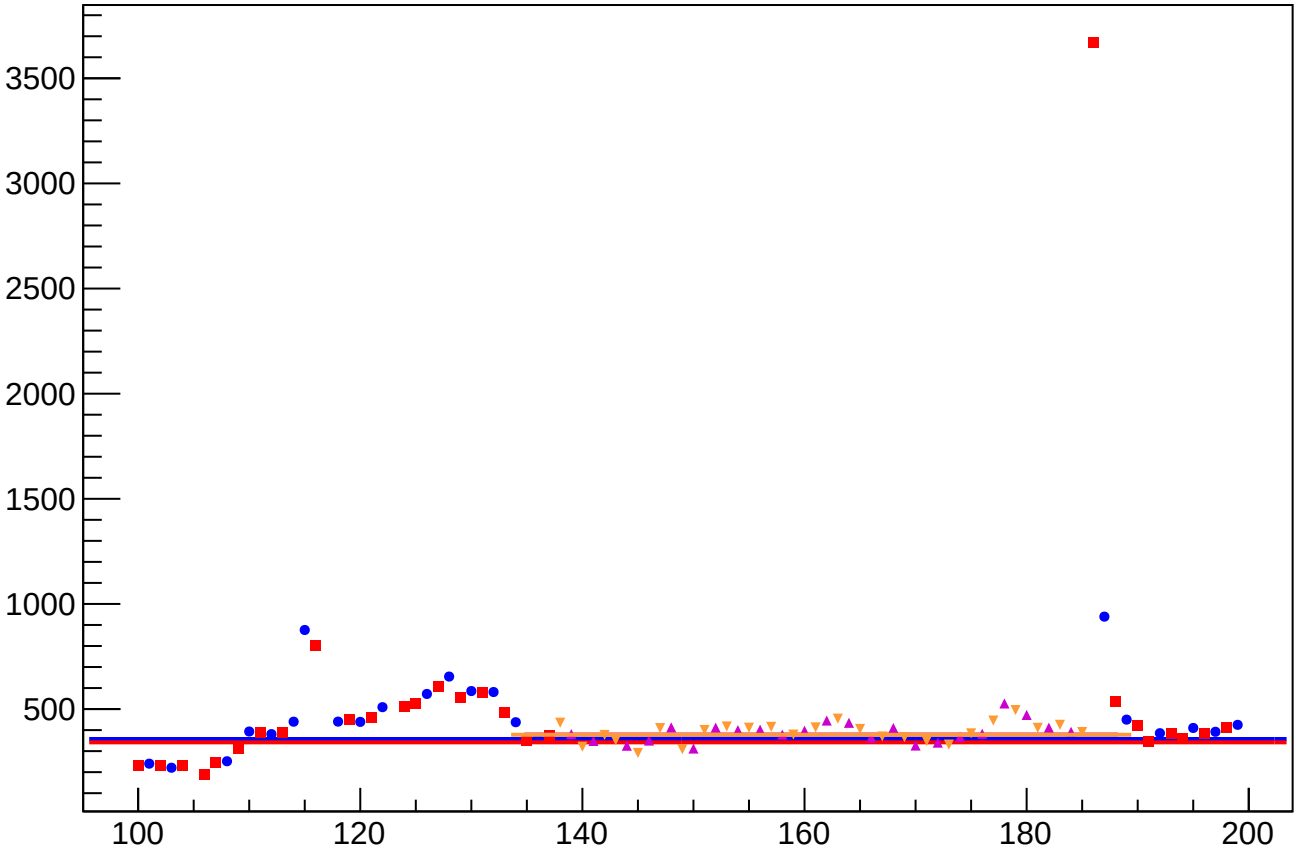
Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 242.061+/-68.359 χ^2/NDF: 54.8/46

All: 198.361+/-47.958 χ^2/NDF: 103.3/96

- sign 156.007+/-67.298 χ^2/NDF: 47.7/49

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 357.662+/-0.078 χ^2/NDF: 2070583.4/21

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 341.760+/-0.072 χ^2/NDF: 3026853.2/26

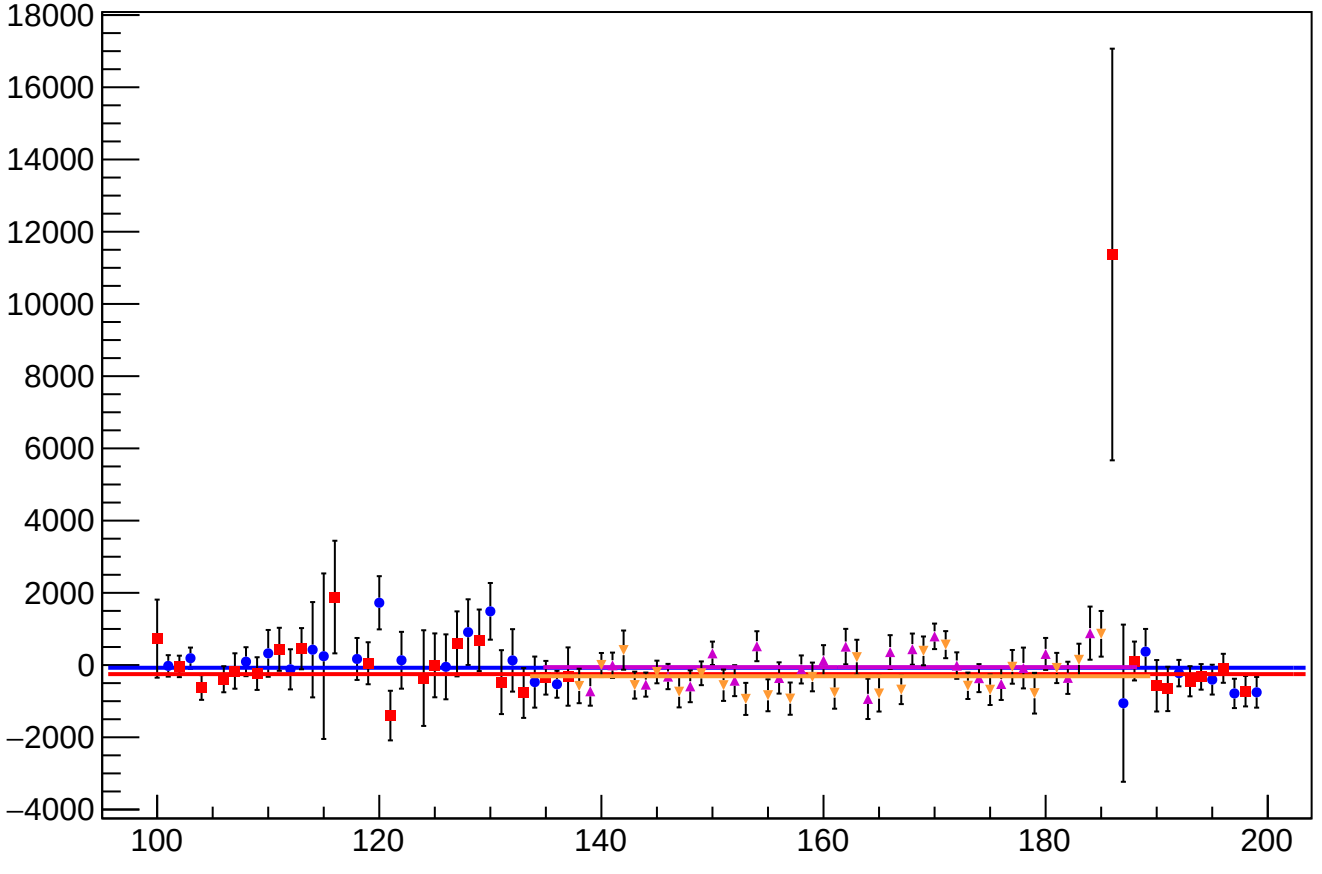
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 370.144+/-0.048 χ^2/NDF: 2748178.7/46

All: 366.406+/-0.034 χ^2/NDF: 6463821.6/96

- sign 362.783+/-0.048 χ^2/NDF: 3703868.7/49

asym_sam_37_48_dd_mean vs Slug



Right In: -74.747+/-109.012 χ^2/NDF: 21.9/21

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -250.707+/-101.830 χ^2/NDF: 20.3/26

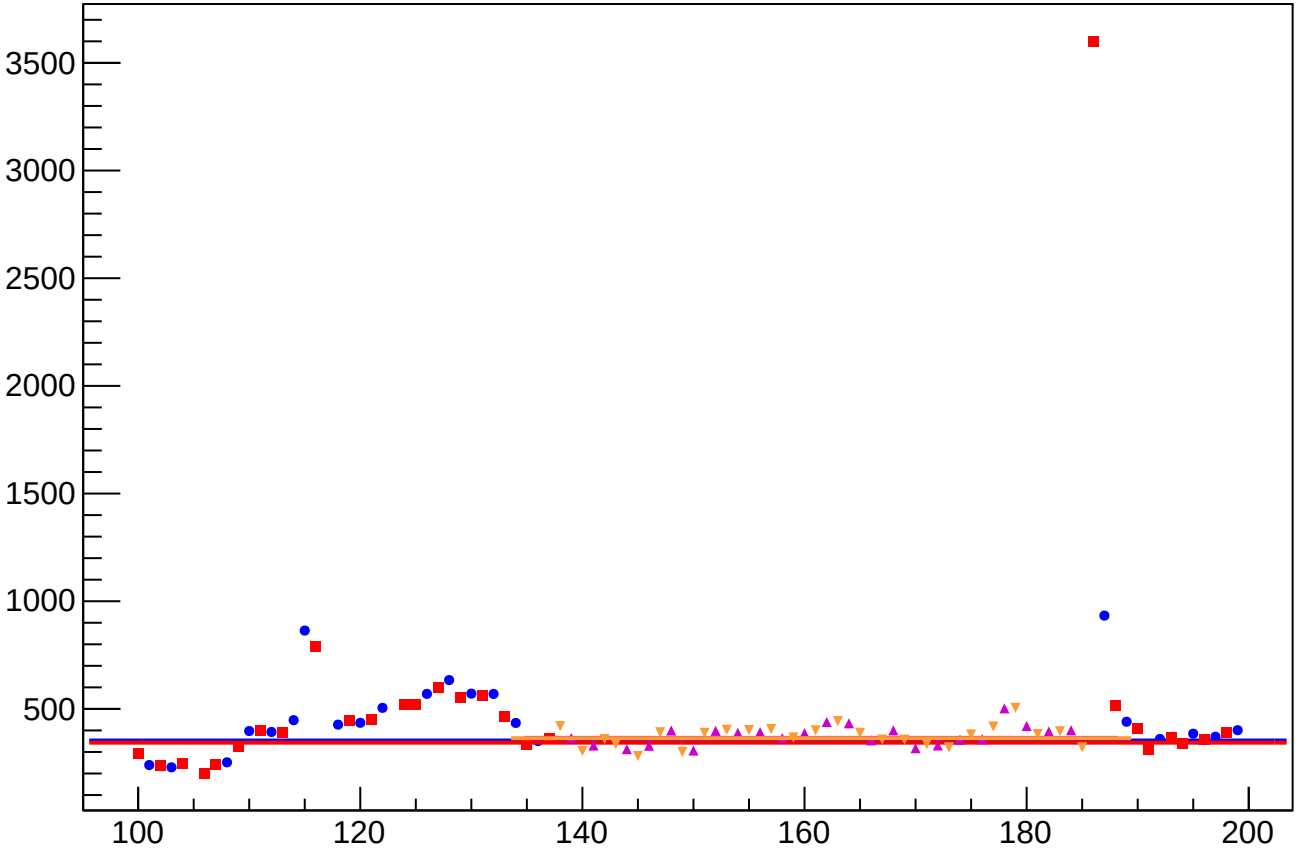
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -222.321+/-66.391 χ^2/NDF: 54.8/46

All: -179.889+/-46.736 χ^2/NDF: 106.0/96

- sign -138.205+/-65.803 χ^2/NDF: 50.4/49

asym_sam_37_48_dd_rms vs Slug



Right In: 353.066+/-0.077 χ^2/NDF: 1874427.1/21

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

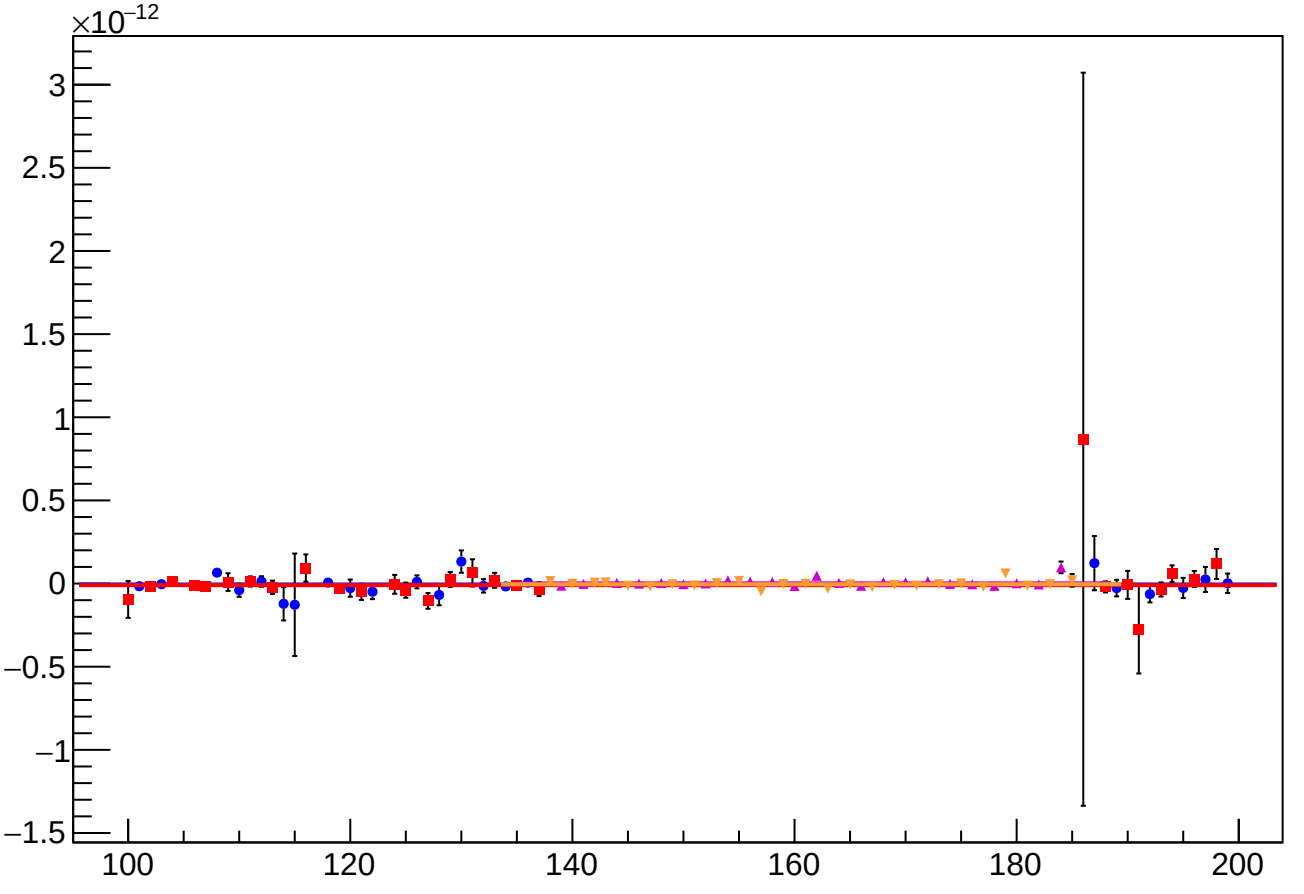
Right Out: 343.159+/-0.072 χ^2/NDF: 2623038.4/26

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 359.765+/-0.047 χ^2/NDF: 2555676.2/46

All: 357.900+/-0.033 χ^2/NDF: 5746528.2/96

- sign 356.068+/-0.047 χ^2/NDF: 3187724.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

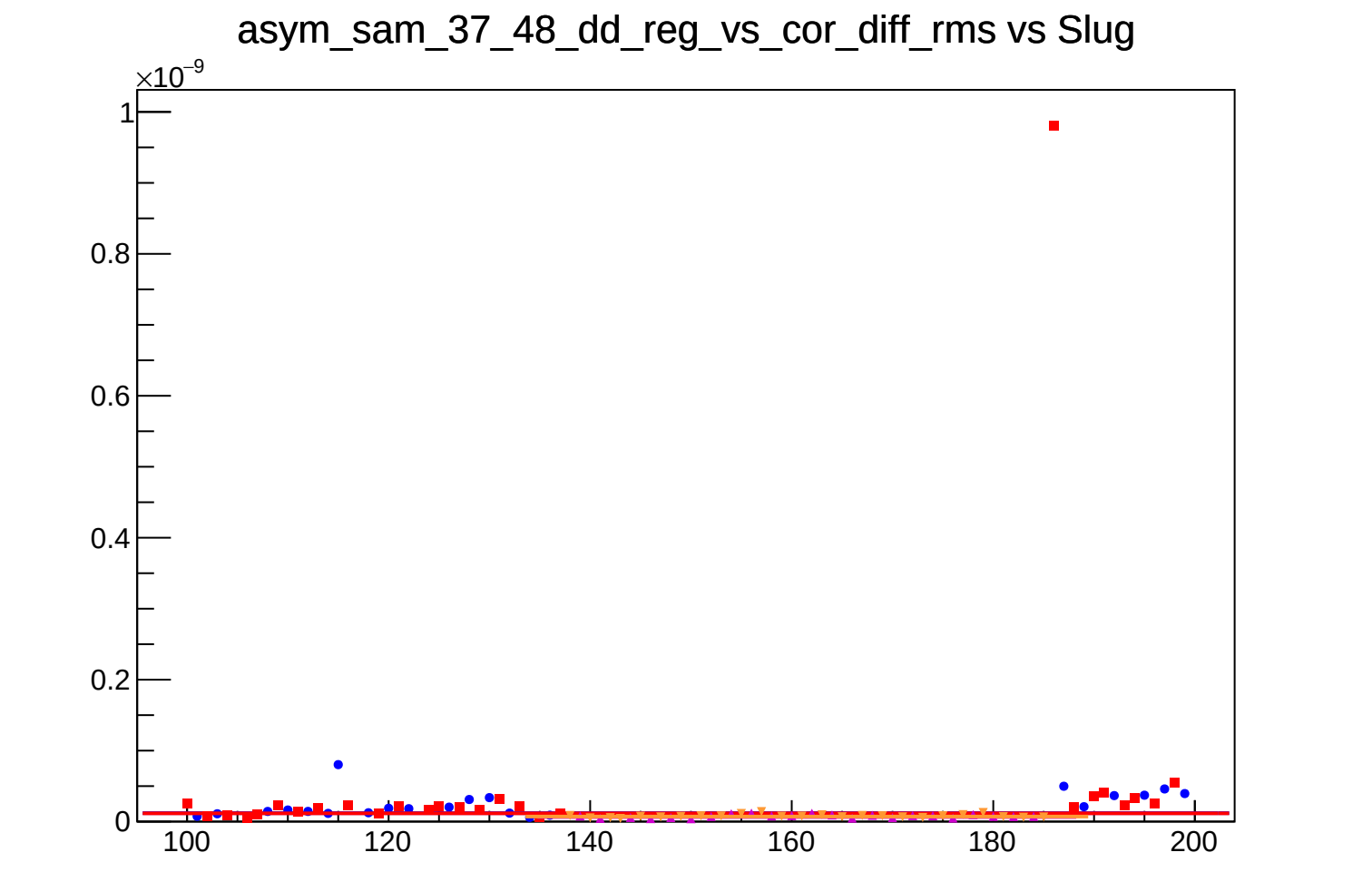
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/26

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/46

All: -0.000+/-0.000 χ^2/NDF: 85.3/96

- sign -0.000+/-0.000 χ^2/NDF: 43.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 3150523.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3418854.7/26

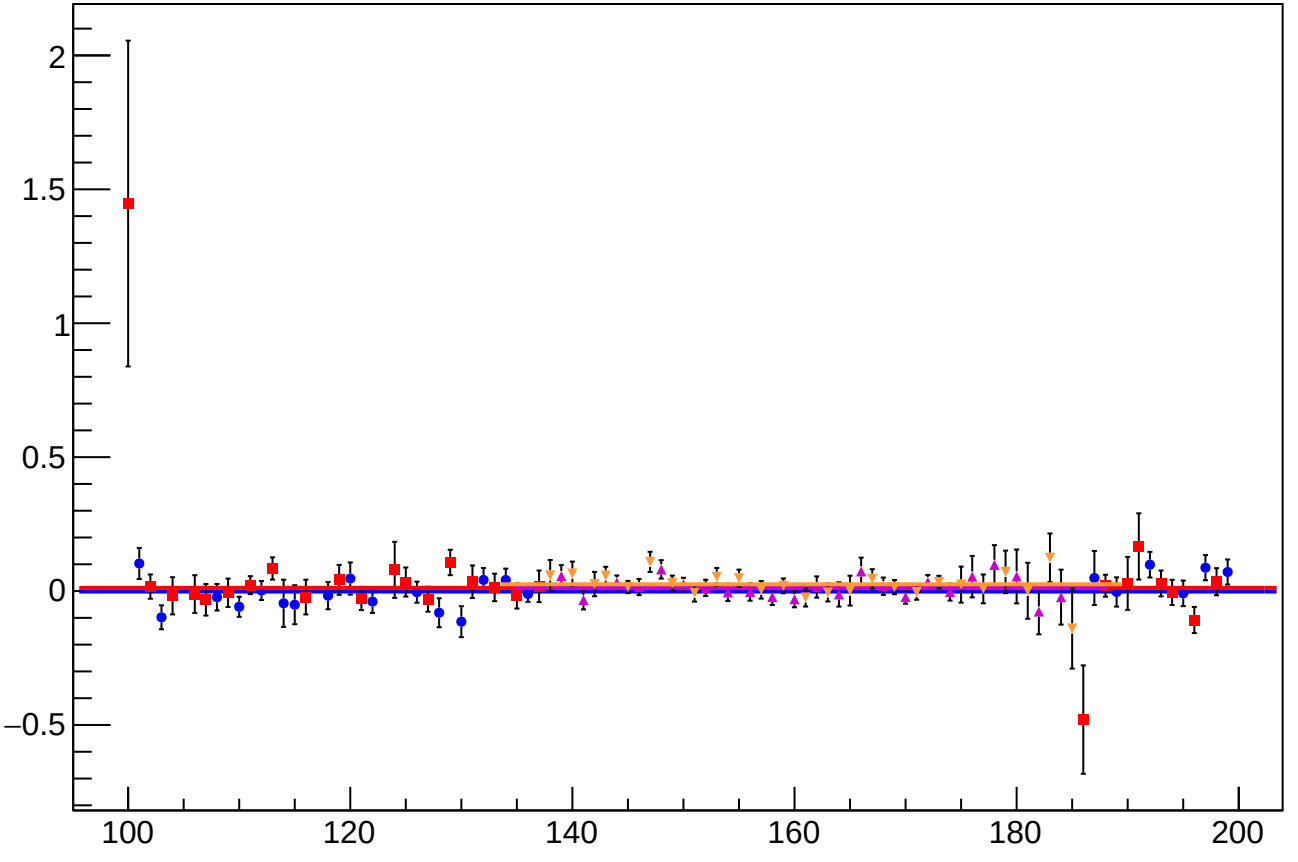
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5031857.4/46

All: 0.000+/-0.000 χ^2/NDF: 10934967.0/96

- 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: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.012+/-0.010 χ^2/NDF: 31.1/26

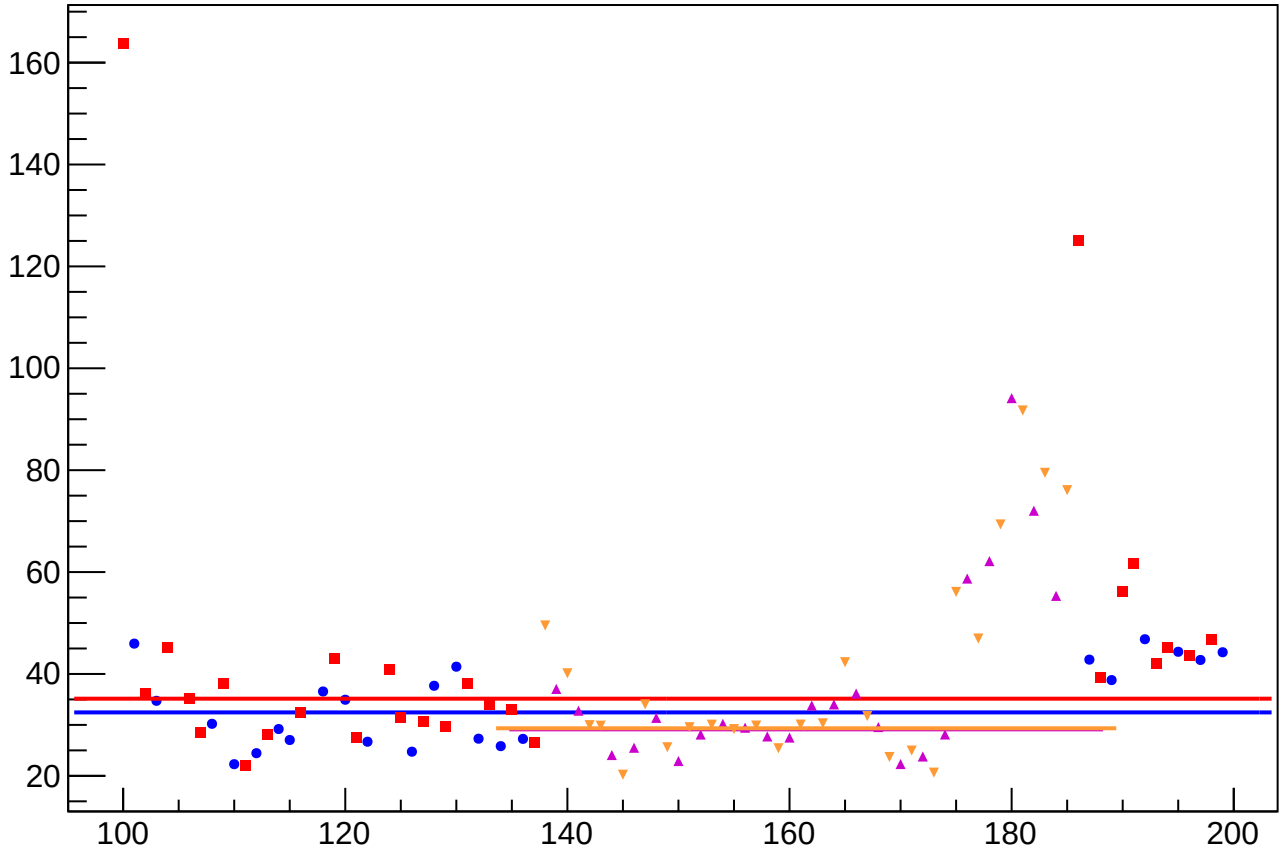
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.016+/-0.006 χ^2/NDF: 53.6/46

All: 0.014+/-0.004 χ^2/NDF: 104.0/96

- 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: 32.453+/-0.007 χ^2/NDF: 1292570.7/21

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

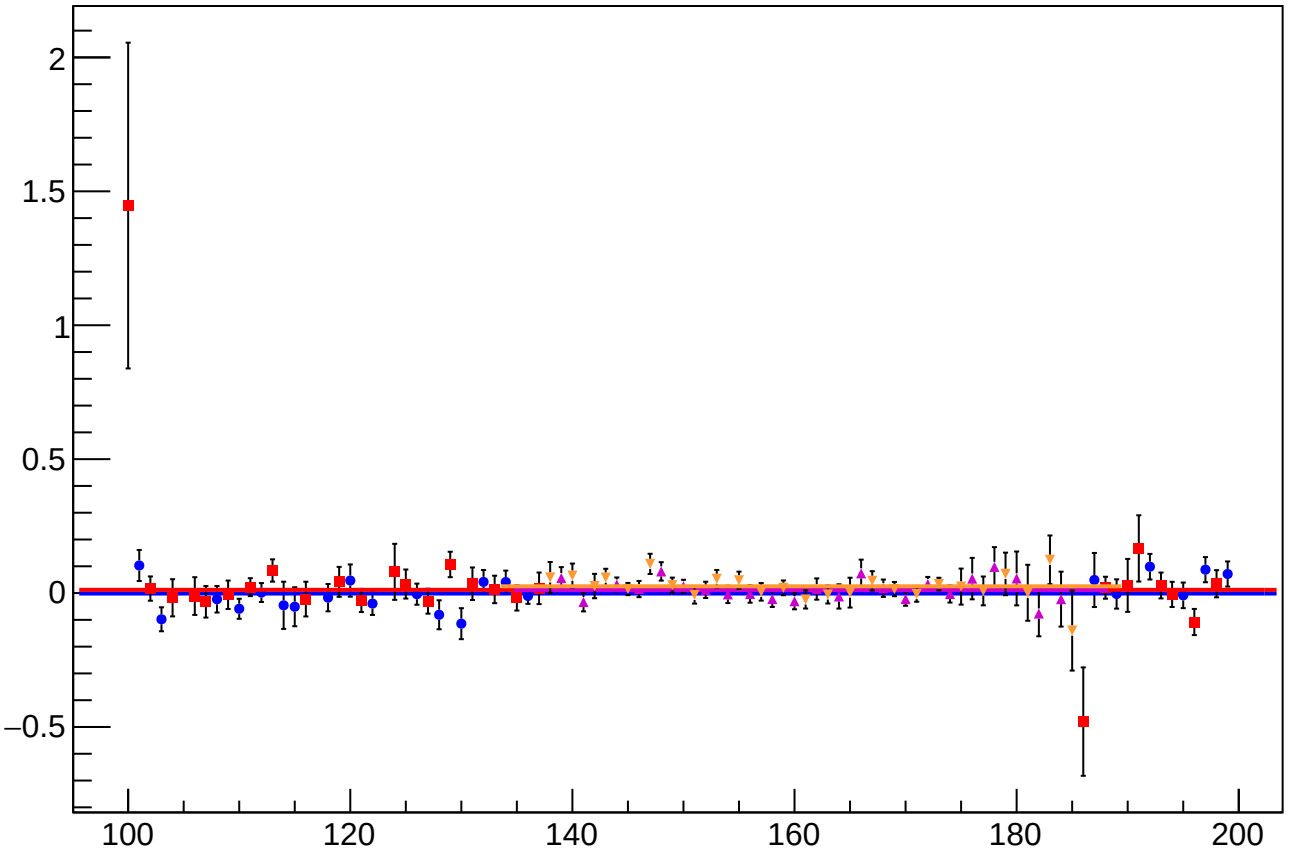
Right Out: 35.147+/-0.007 χ^2/NDF: 1637693.3/26

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.394+/-0.004 χ^2/NDF: 5295534.2/46

All: 30.749+/-0.003 χ^2/NDF: 10238867.0/96

- sign 31.120+/-0.004 χ^2/NDF: 4928195.4/49



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

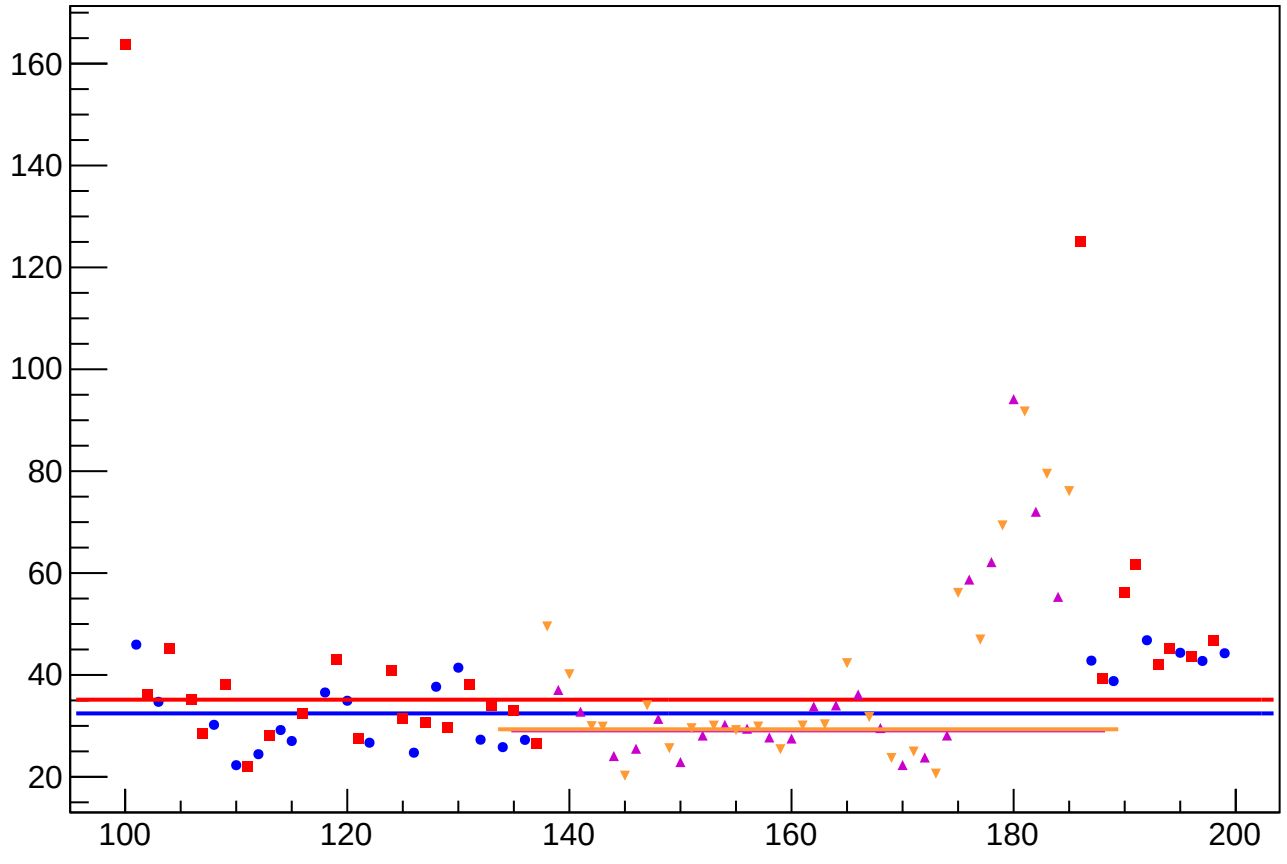
Right Out: 0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.016+/-0.006 χ^2/NDF: 53.6/46

All: 0.014+/-0.004 χ^2/NDF: 104.0/96

- sign 0.011+/-0.006 χ^2/NDF: 50.1/49



Right In: 32.453+/-0.007 χ^2/NDF: 1292570.7/21

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

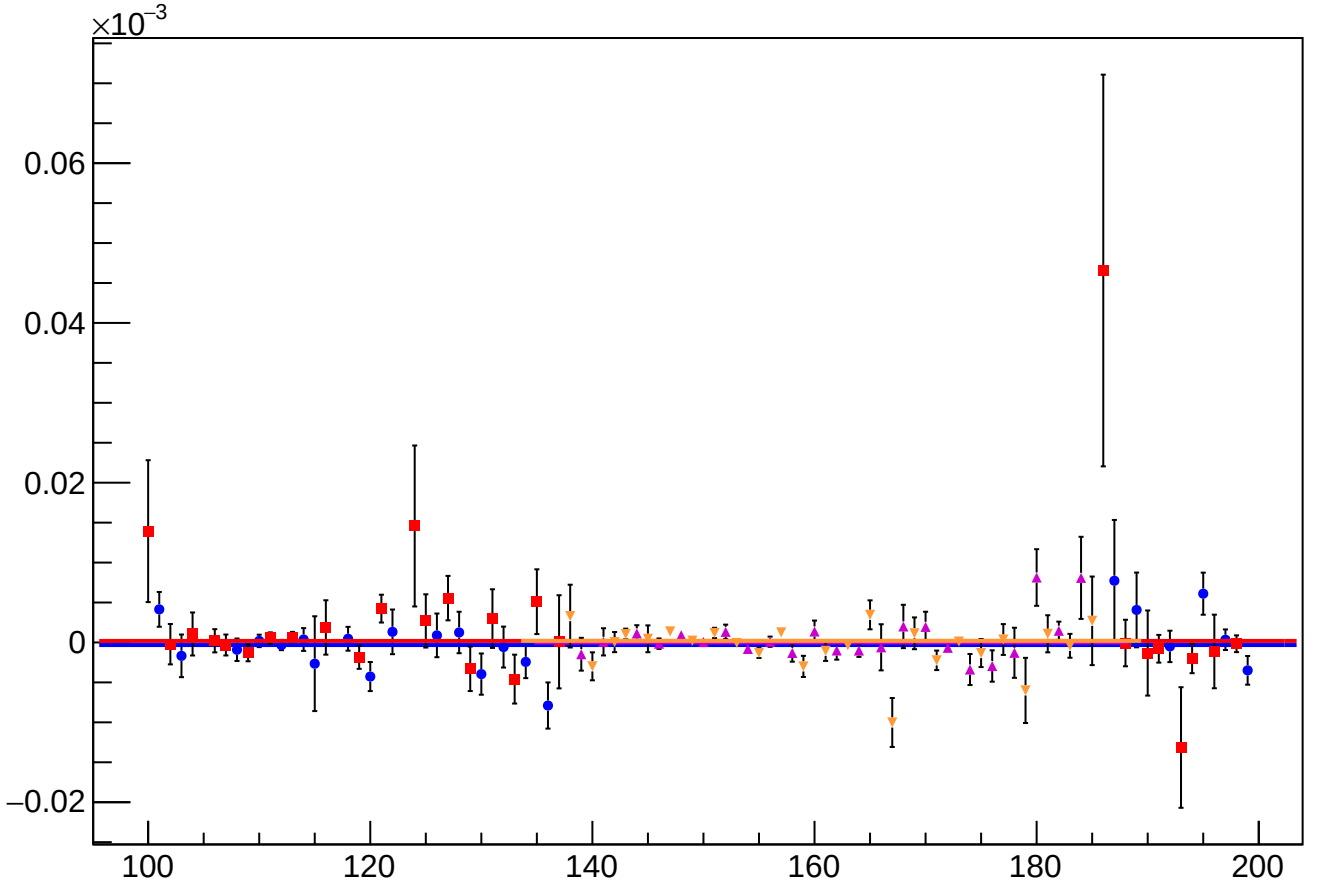
Right Out: 35.147+/-0.007 χ^2/NDF: 1637693.3/26

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

\+ sign 30.394+/-0.004 χ^2/NDF: 5295534.2/46

All: 30.749+/-0.003 χ^2/NDF: 10238867.0/96

\- sign 31.120+/-0.004 χ^2/NDF: 4928195.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

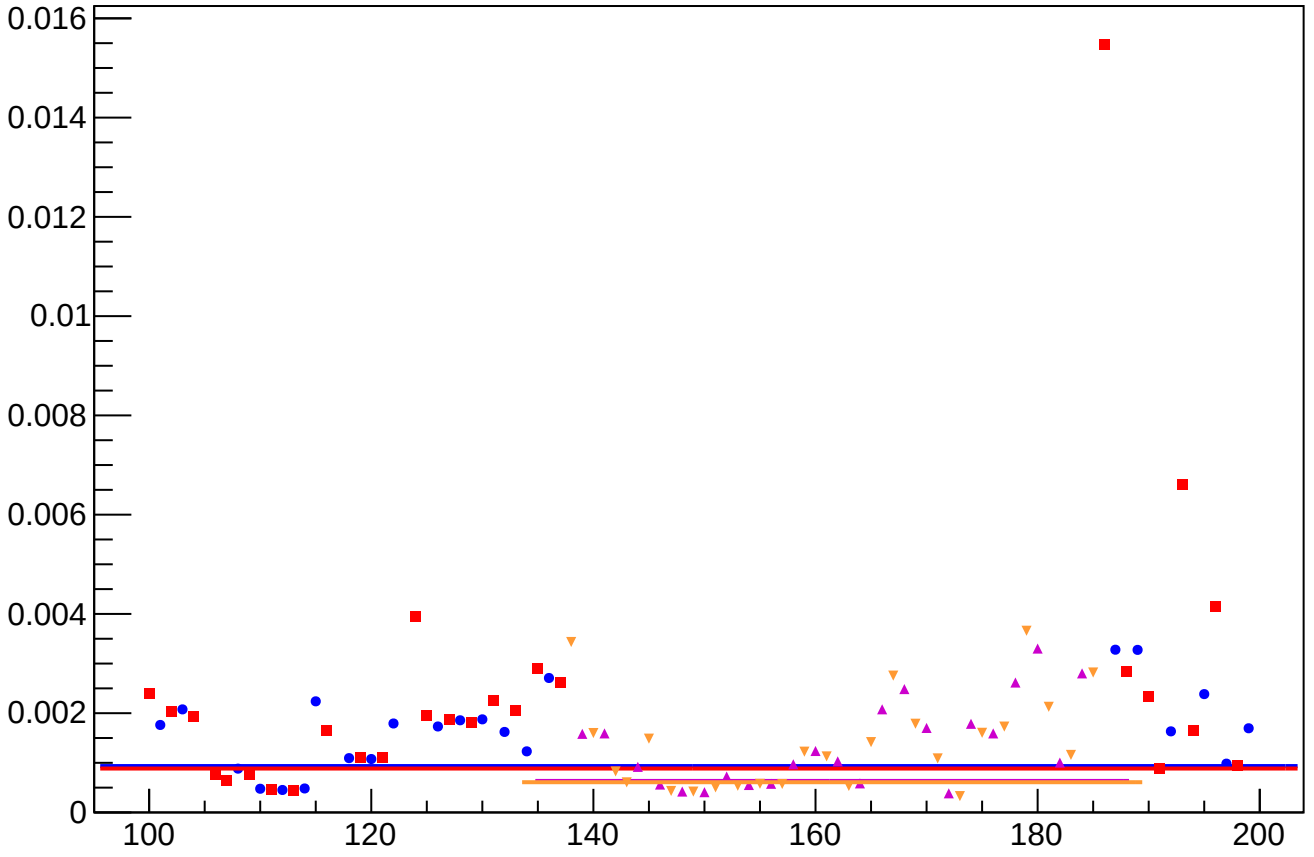
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/26

Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.2/46

All: 0.000+/-0.000 χ^2/NDF: 154.7/96

- sign 0.000+/-0.000 χ^2/NDF: 67.5/49



Right In: 0.001+/-0.000 χ^2/NDF: 6536448.8/21

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

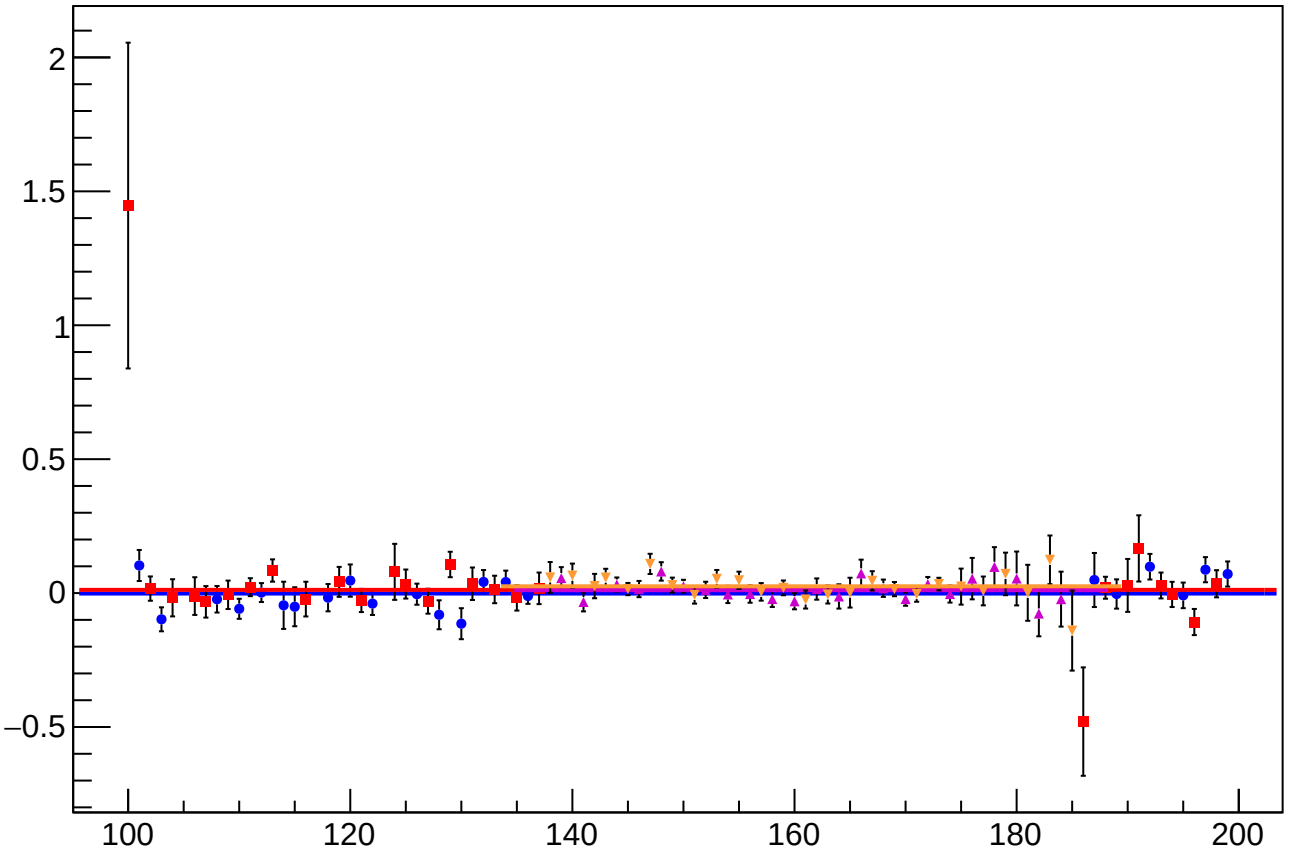
Right Out: 0.001+/-0.000 χ^2/NDF: 9082716.0/26

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 18974605.8/46

All: 0.001+/-0.000 χ^2/NDF: 38394412.3/96

- sign 0.001+/-0.000 χ^2/NDF: 19396793.8/49



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

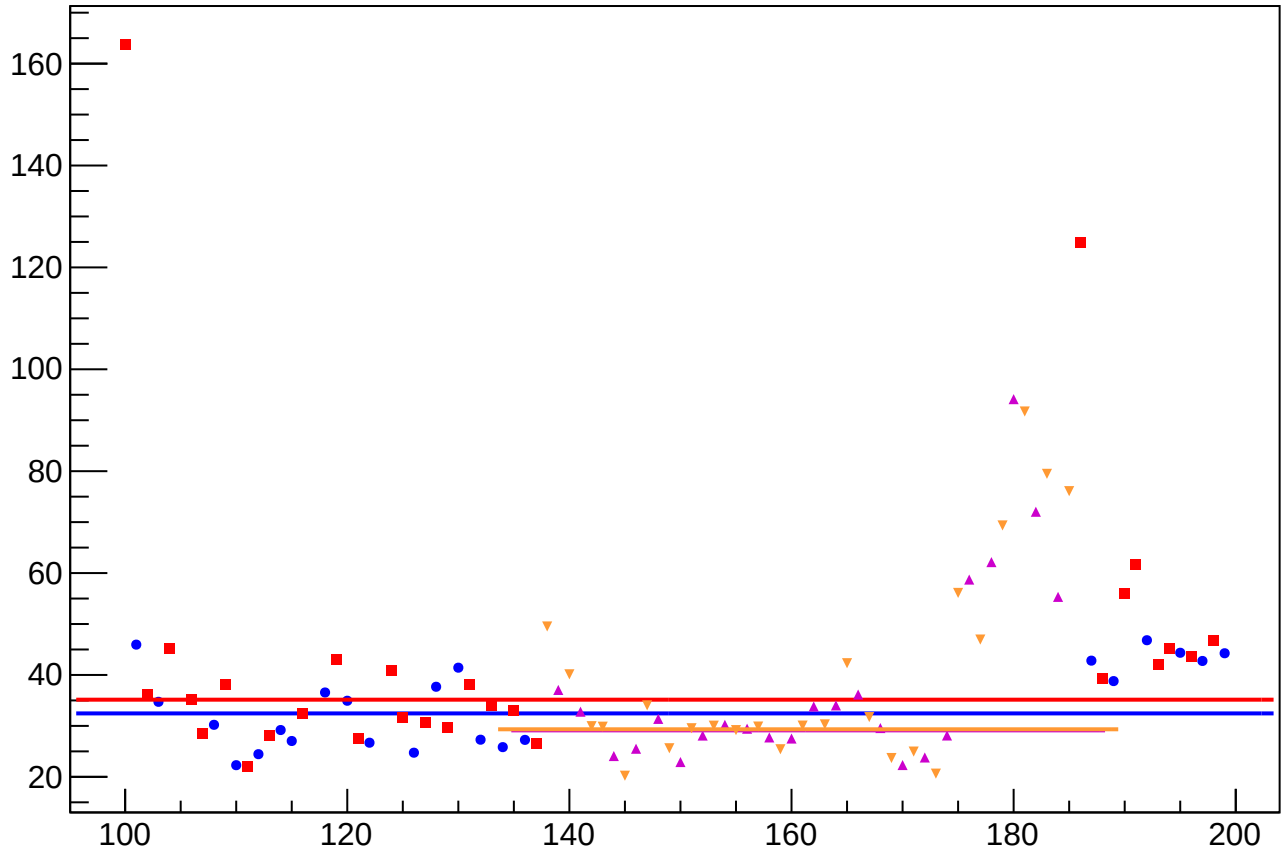
Right Out: 0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.016+/-0.006 χ^2/NDF: 53.6/46

All: 0.014+/-0.004 χ^2/NDF: 104.0/96

- sign 0.011+/-0.006 χ^2/NDF: 50.1/49



Right In: 32.453+/-0.007 χ^2/NDF: 1292518.0/21

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

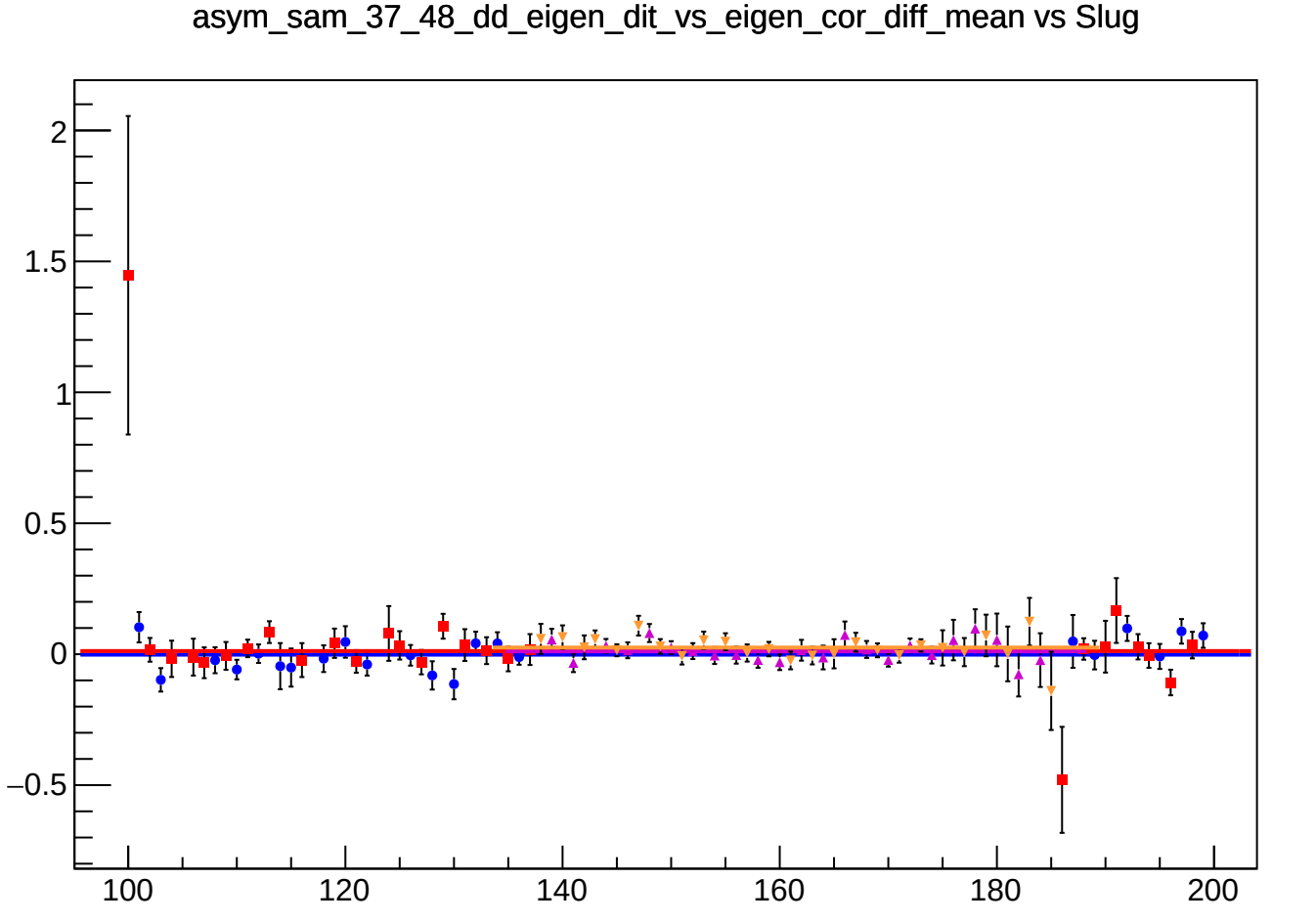
Right Out: 35.147+/-0.007 χ^2/NDF: 1637591.8/26

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.394+/-0.004 χ^2/NDF: 5295569.6/46

All: 30.748+/-0.003 χ^2/NDF: 10238807.8/96

- sign 31.120+/-0.004 χ^2/NDF: 4928099.6/49



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

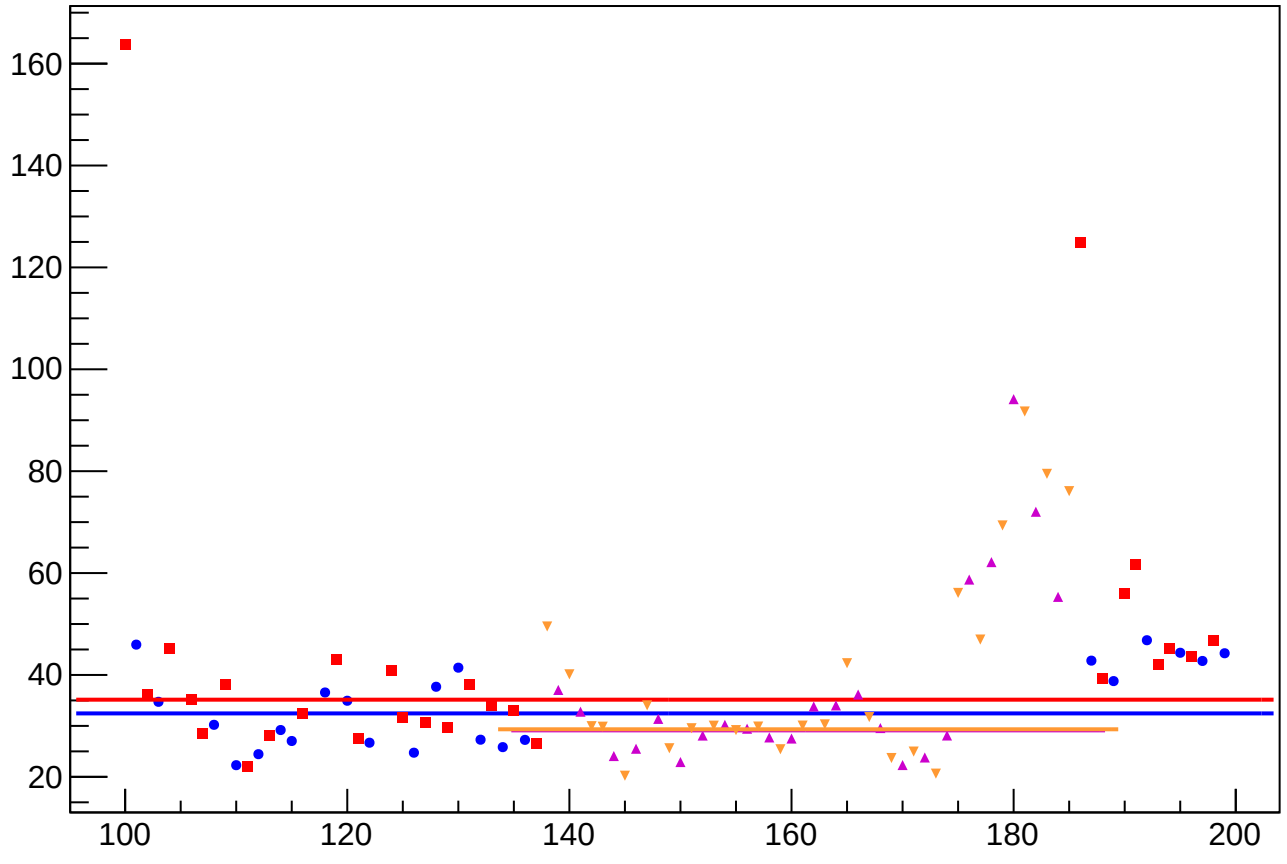
Right Out: 0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.016+/-0.006 χ^2/NDF: 53.6/46

All: 0.014+/-0.004 χ^2/NDF: 104.0/96

- sign 0.011+/-0.006 χ^2/NDF: 50.1/49



Right In: 32.453+/-0.007 χ^2/NDF: 1292518.0/21

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

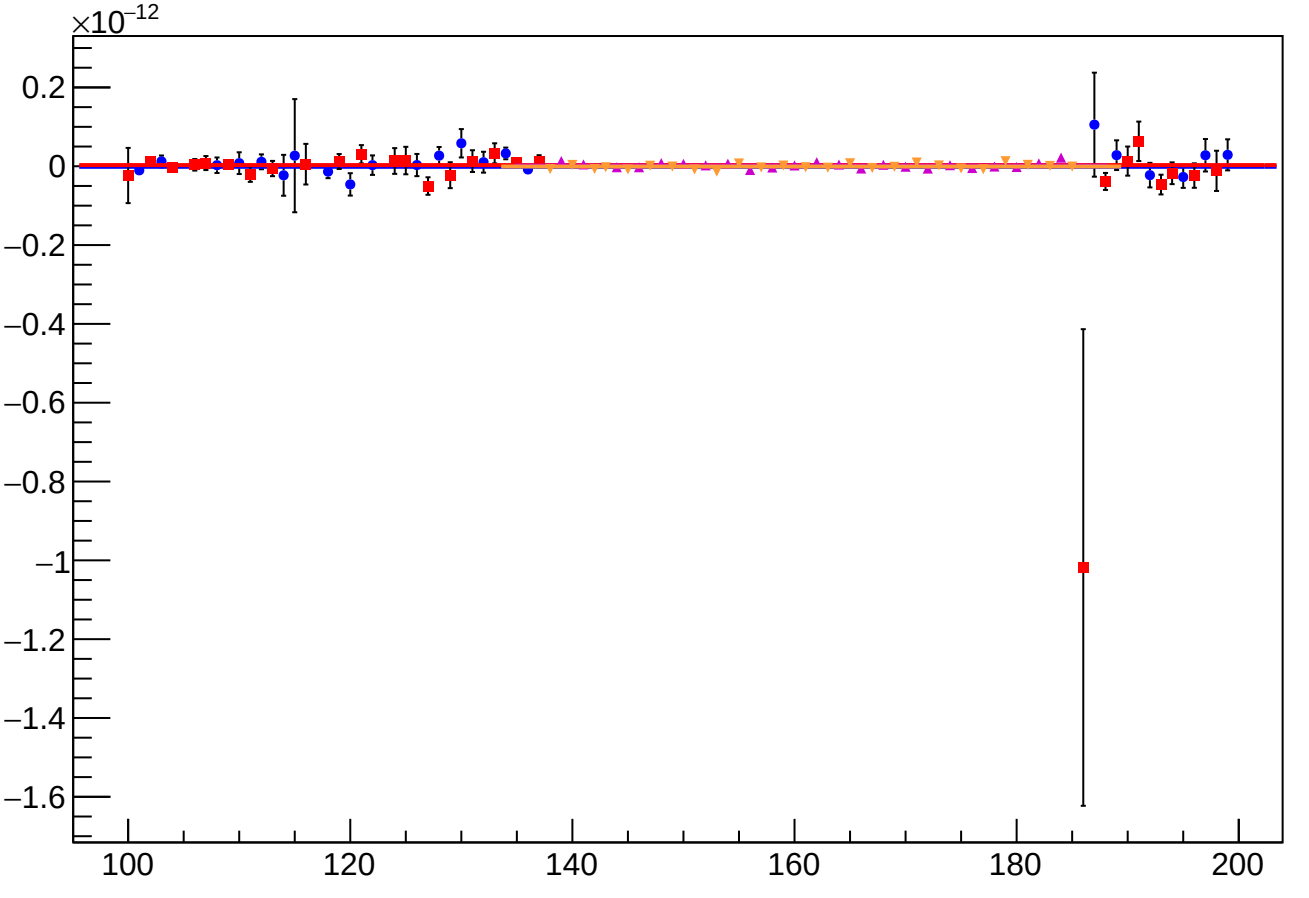
Right Out: 35.147+/-0.007 χ^2/NDF: 1637591.8/26

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.394+/-0.004 χ^2/NDF: 5295569.6/46

All: 30.748+/-0.003 χ^2/NDF: 10238807.8/96

- sign 31.120+/-0.004 χ^2/NDF: 4928099.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

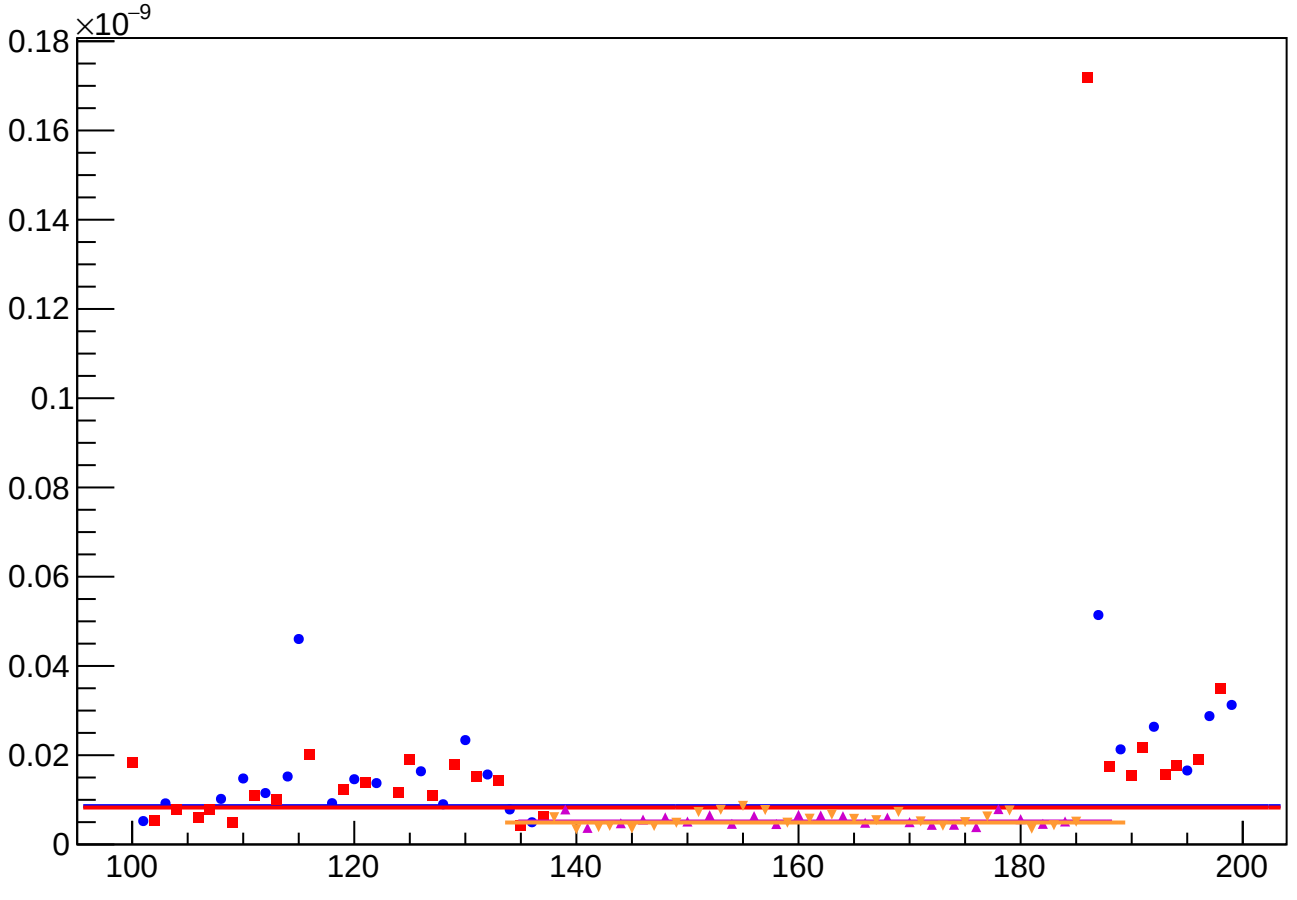
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/26

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/46

All: 0.000+/-0.000 χ^2/NDF: 81.4/96

- sign 0.000+/-0.000 χ^2/NDF: 43.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 4550763.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4069751.2/26

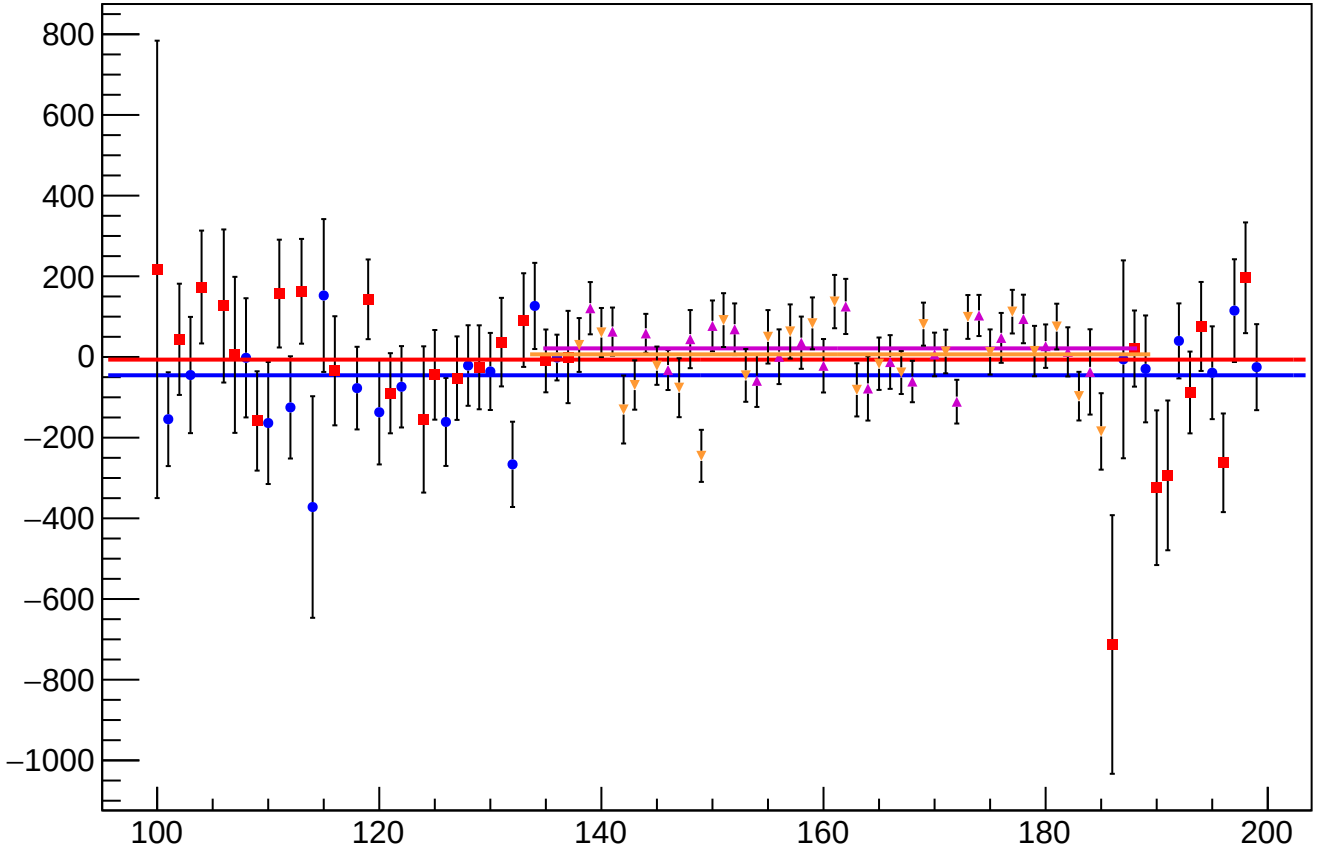
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8141085.1/46

All: 0.000+/-0.000 χ^2/NDF: 14595198.1/96

- sign 0.000+/-0.000 χ^2/NDF: 6420208.1/49

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -45.362+/-23.804 χ^2/NDF: 16.4/21

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -6.518+/-23.740 χ^2/NDF: 29.9/26

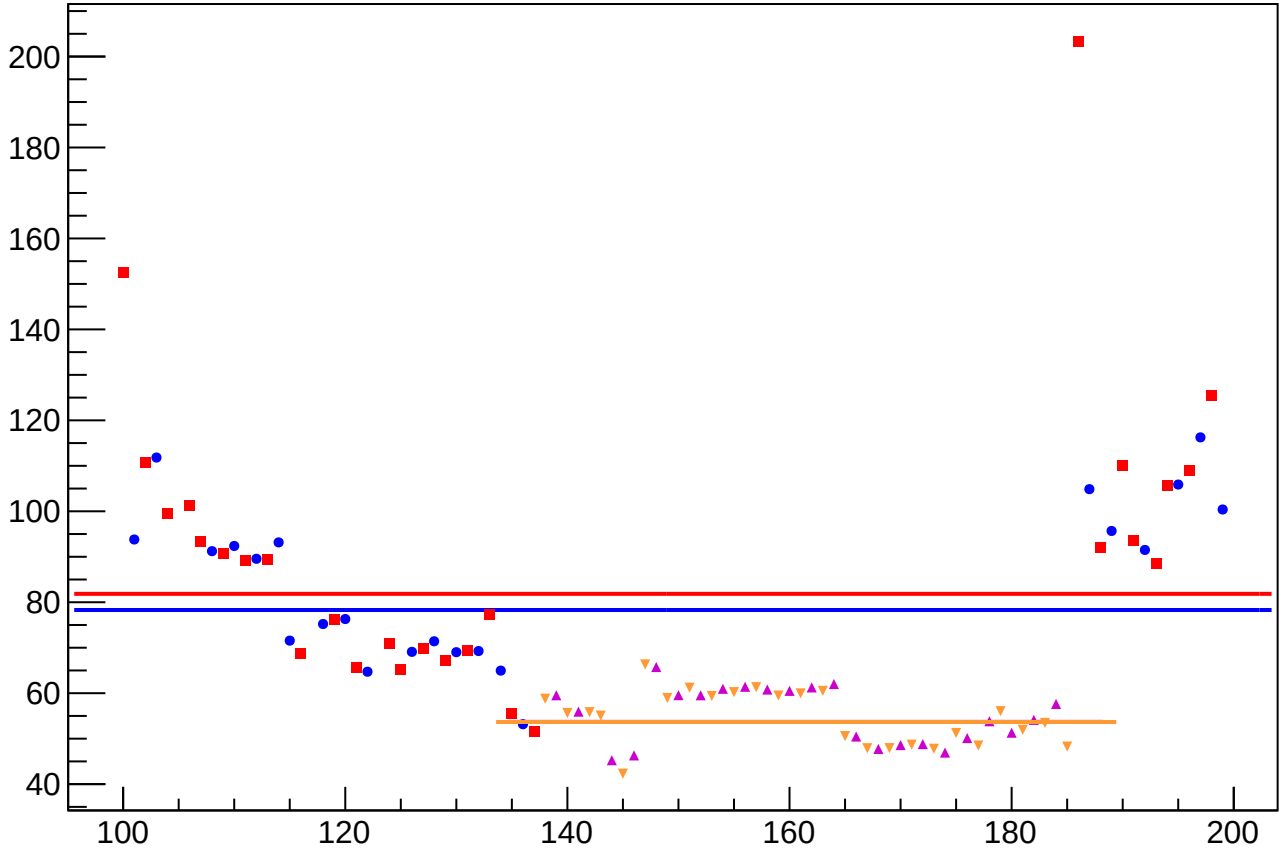
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -4.393+/-10.918 χ^2/NDF: 70.7/46

All: 5.174+/-7.806 χ^2/NDF: 128.7/96

- sign 15.176+/-11.163 χ^2/NDF: 56.4/49

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 78.293+/-0.017 χ^2/NDF: 1196912.7/21

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

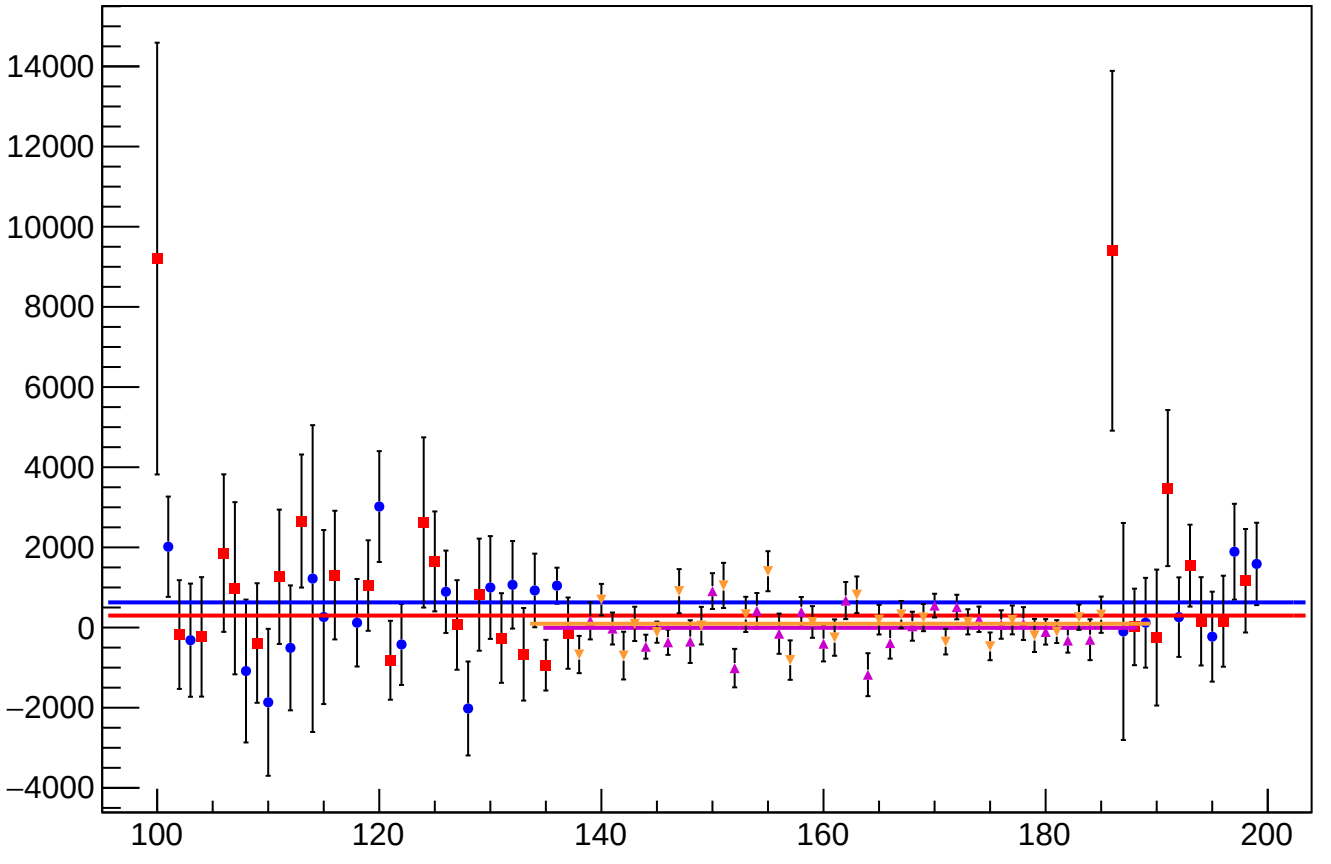
Right Out: 81.848+/-0.017 χ^2/NDF: 1564192.5/26

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.847+/-0.008 χ^2/NDF: 3359455.8/46

All: 59.372+/-0.006 χ^2/NDF: 7595277.0/96

- sign 59.920+/-0.008 χ^2/NDF: 4226371.2/49



Right In: 627.538+/-232.879 χ^2/NDF: 18.7/21

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 298.713+/-240.505 χ^2/NDF: 24.9/26

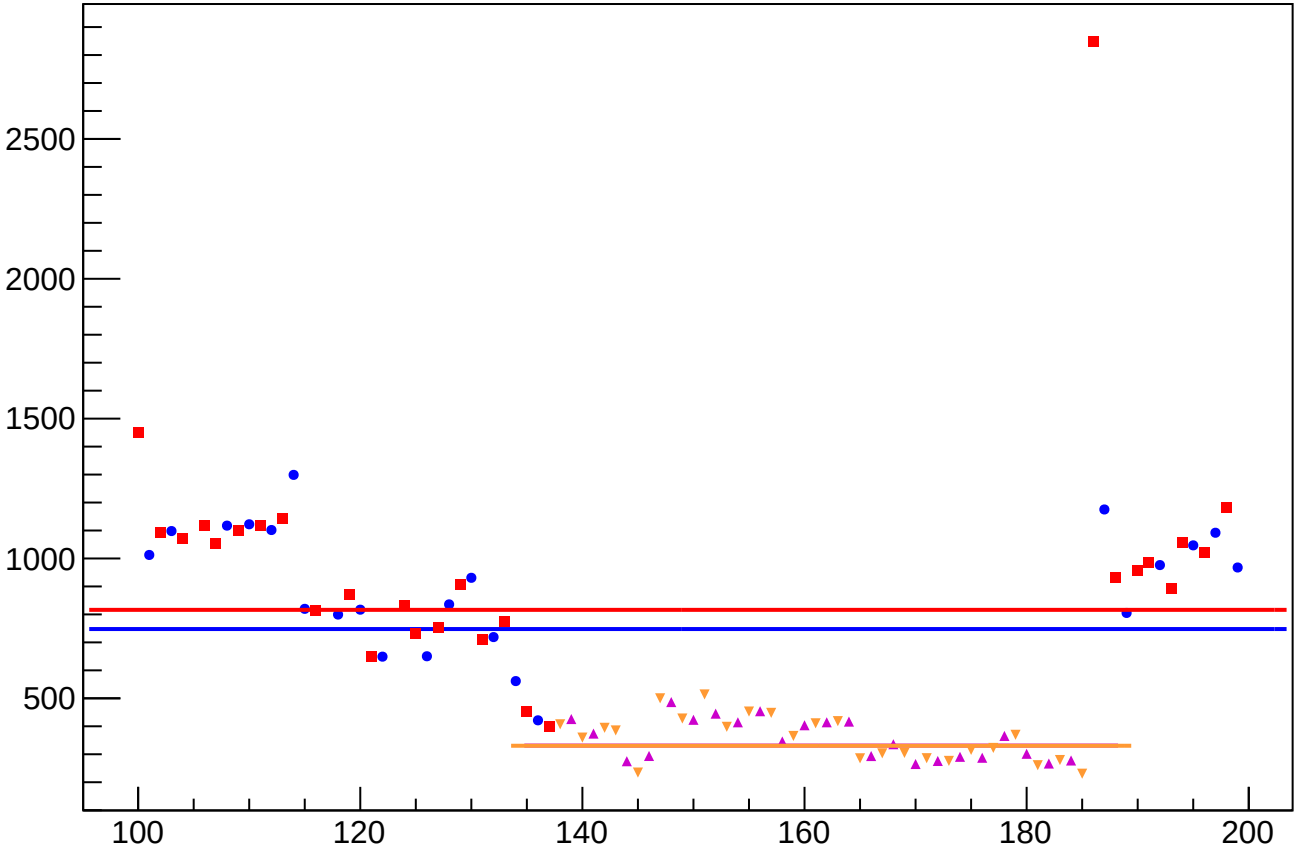
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 148.058+/-73.222 χ^2/NDF: 56.6/46

All: 86.709+/-52.448 χ^2/NDF: 116.7/96

- sign 22.065+/-75.162 χ^2/NDF: 58.7/49

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 747.686+/-0.165 χ^2/NDF: 2327947.4/21

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 816.288+/-0.170 χ^2/NDF: 2471484.6/26

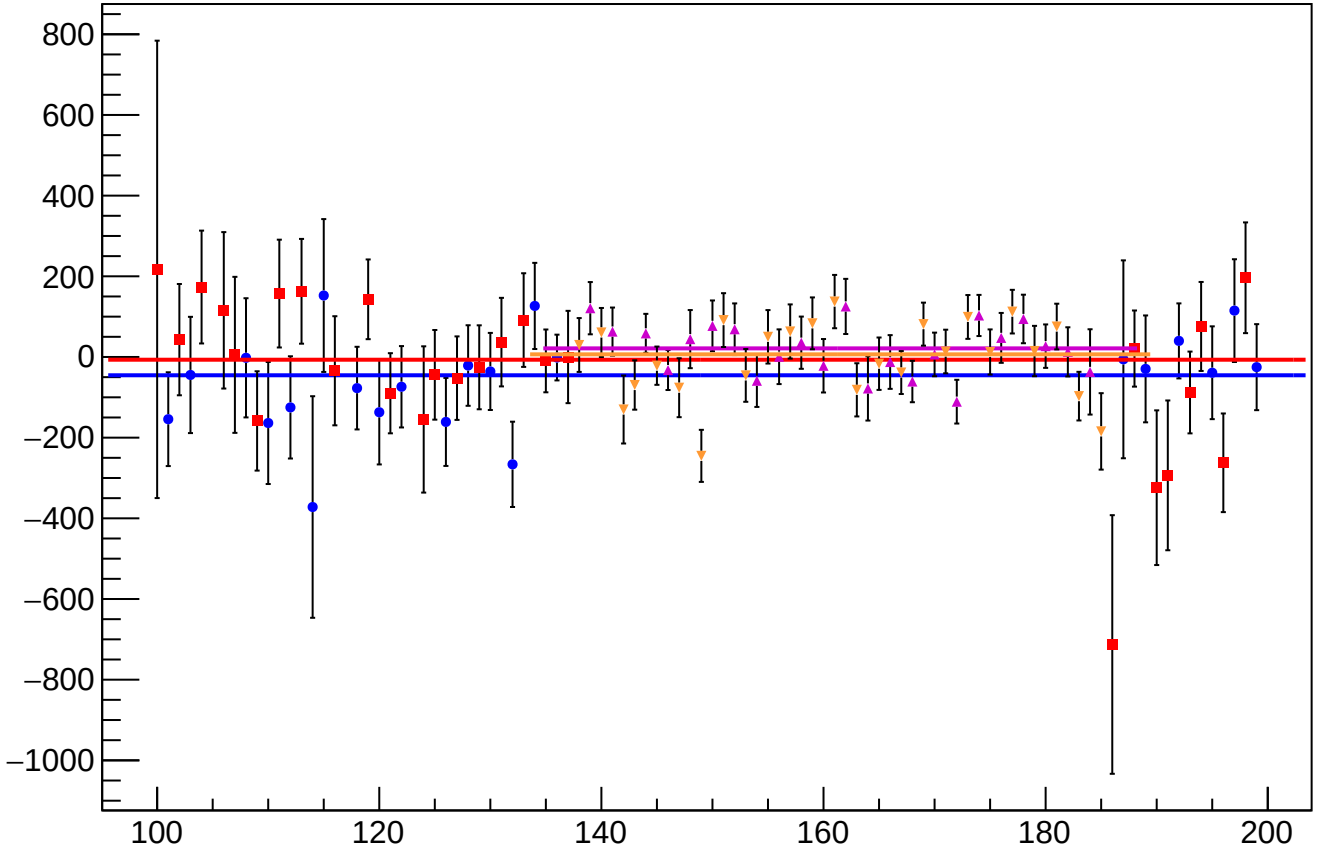
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 371.658+/-0.052 χ^2/NDF: 9866943.2/46

All: 374.965+/-0.037 χ^2/NDF: 21018257.0/96

- sign 378.450+/-0.053 χ^2/NDF: 11142935.6/49

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -45.354+/-23.804 χ^2/NDF: 16.4/21

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -6.796+/-23.748 χ^2/NDF: 29.8/26

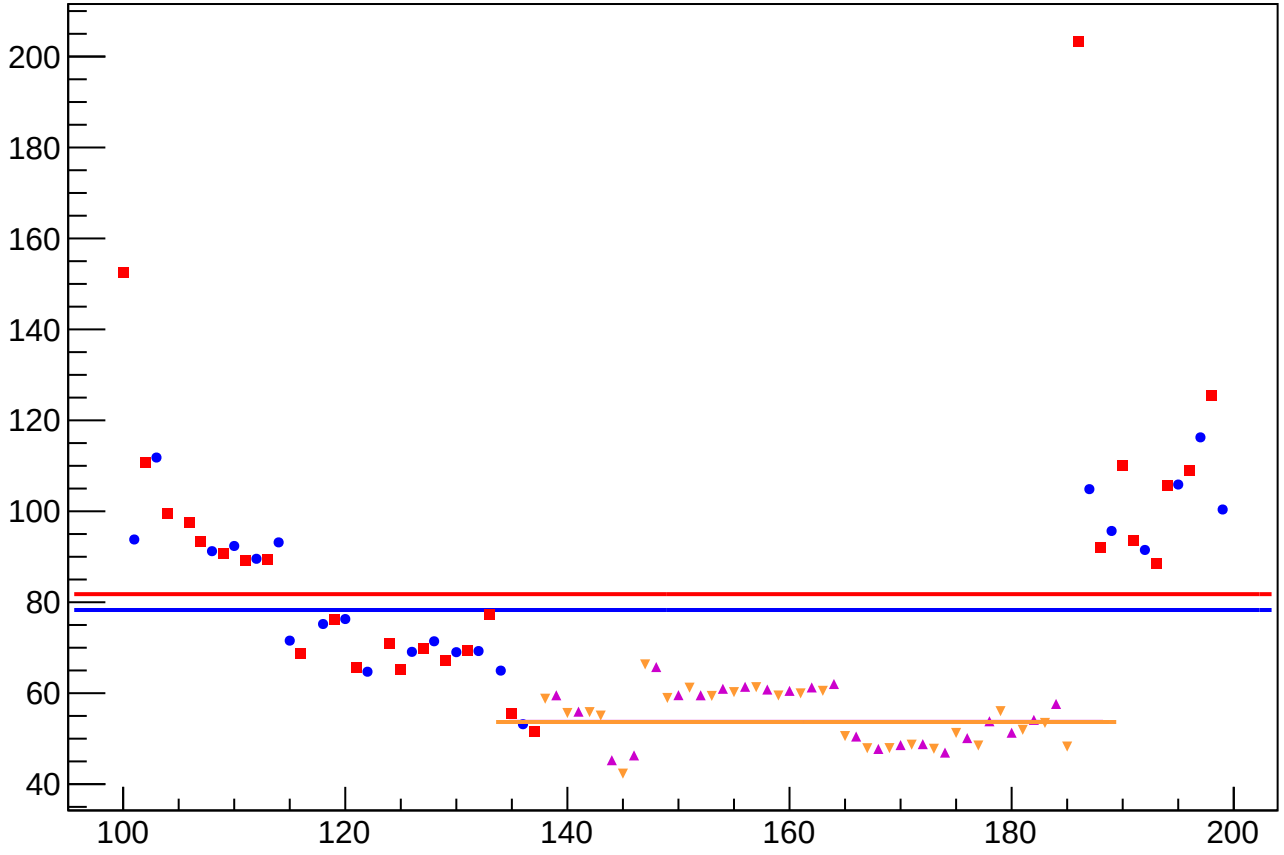
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.389+/-10.918 χ^2/NDF: 70.7/46

All: 5.147+/-7.806 χ^2/NDF: 128.6/96

- sign 15.118+/-11.164 χ^2/NDF: 56.3/49

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 78.293+/-0.017 χ^2/NDF: 1196915.0/21

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

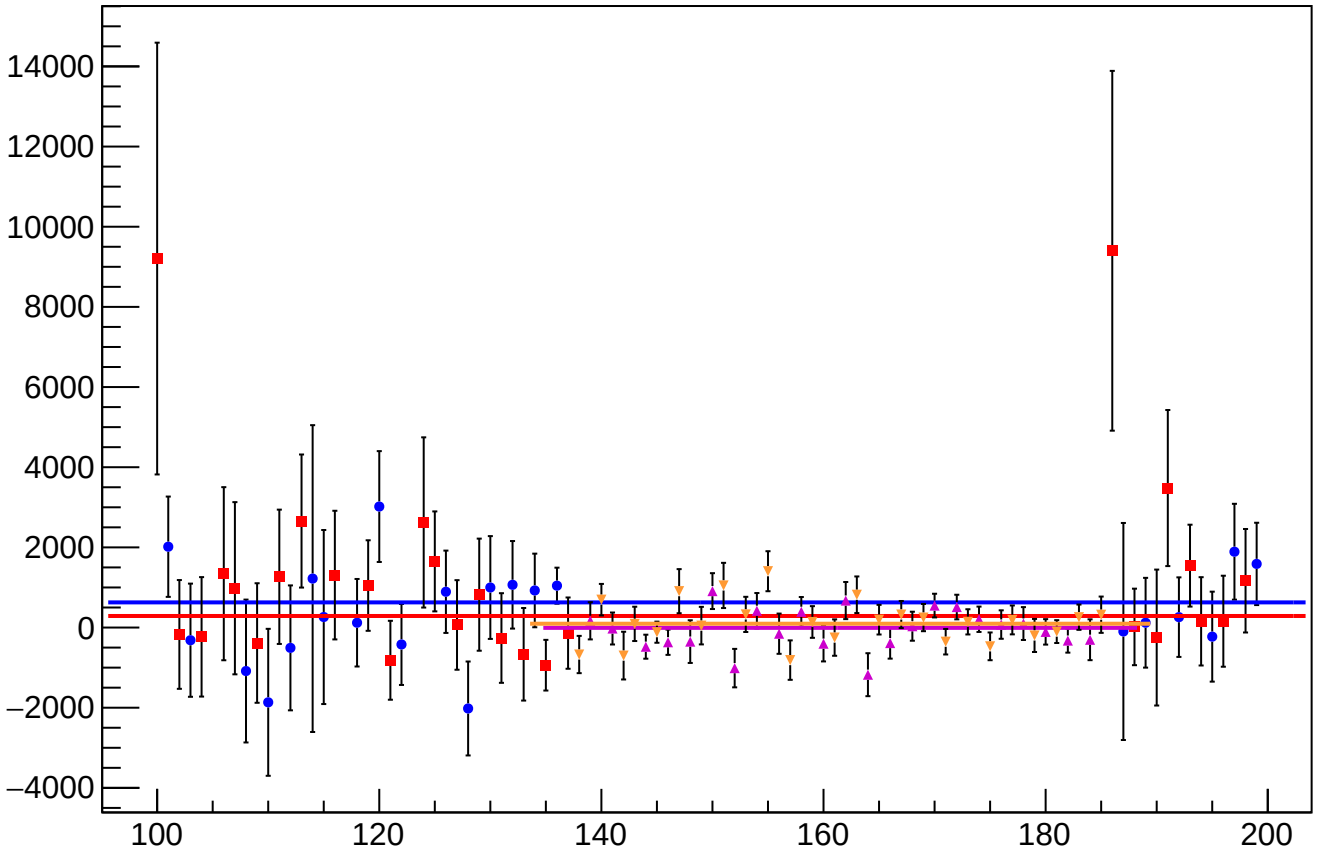
Right Out: 81.781+/-0.017 χ^2/NDF: 1556678.5/26

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.847+/-0.008 χ^2/NDF: 3359458.4/46

All: 59.363+/-0.006 χ^2/NDF: 7575785.0/96

- sign 59.902+/-0.008 χ^2/NDF: 4207196.4/49



Right In: 627.532+/-232.880 χ^2/NDF: 18.7/21

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 288.418+/-240.820 χ^2/NDF: 24.5/26

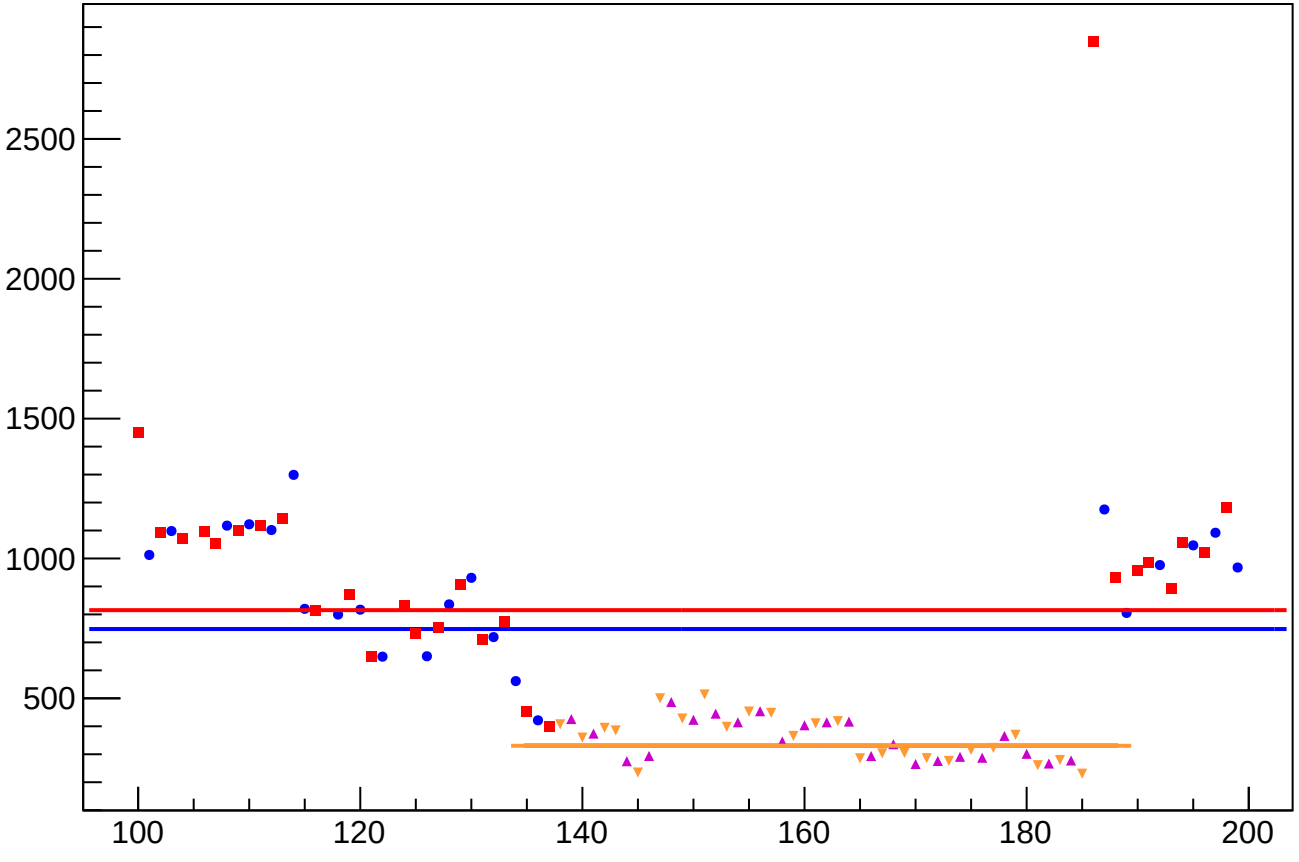
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 148.060+/-73.222 χ^2/NDF: 56.6/46

All: 86.196+/-52.452 χ^2/NDF: 116.2/96

- sign 20.995+/-75.172 χ^2/NDF: 58.2/49

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 747.687+/-0.165 χ^2/NDF: 2327970.0/21

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.240+/-0.170 χ^2/NDF: 2457996.4/26

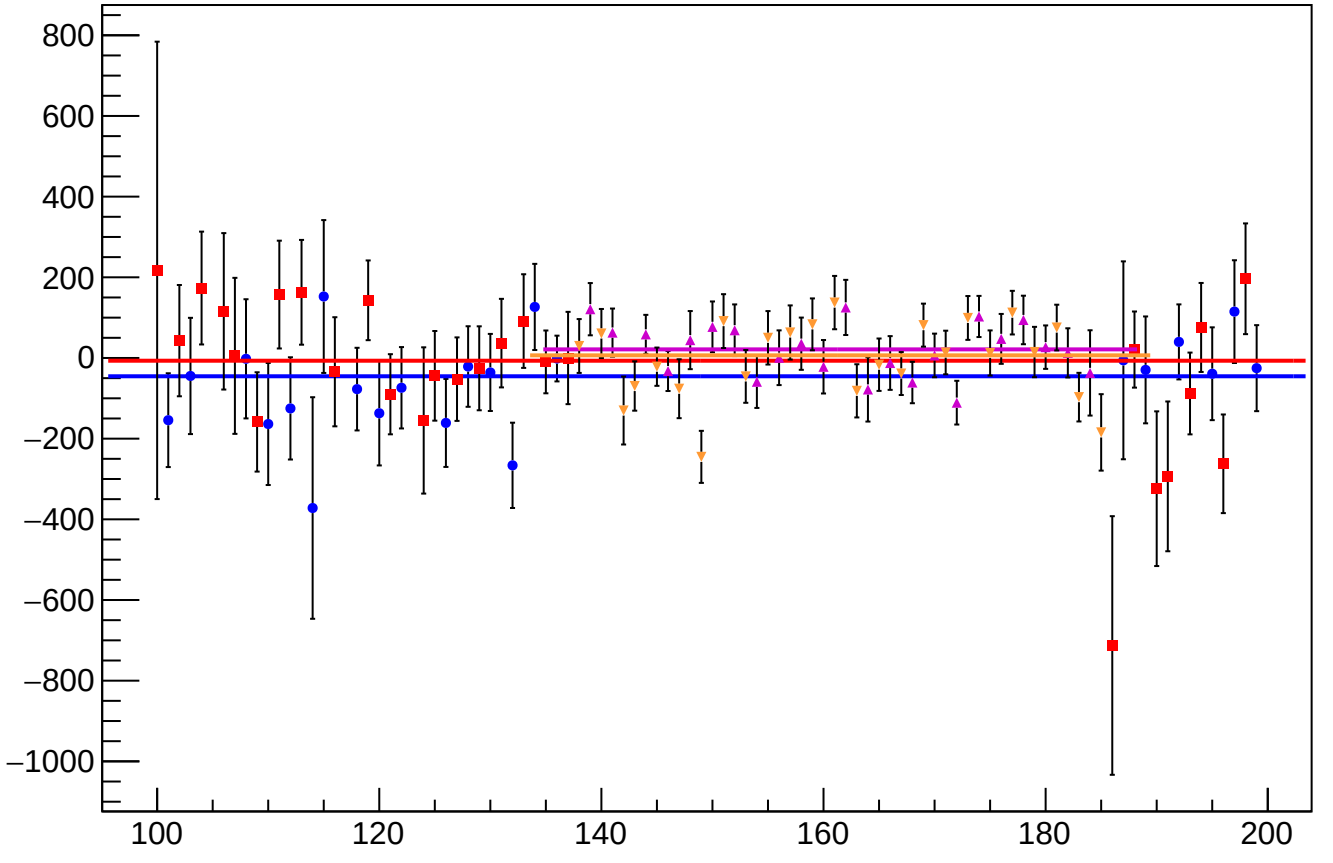
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 371.658+/-0.052 χ^2/NDF: 9866962.0/46

All: 374.861+/-0.037 χ^2/NDF: 20955346.9/96

- sign 378.236+/-0.053 χ^2/NDF: 11080526.8/49

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -45.354+/-23.804 χ^2/NDF: 16.4/21

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -6.796+/-23.748 χ^2/NDF: 29.8/26

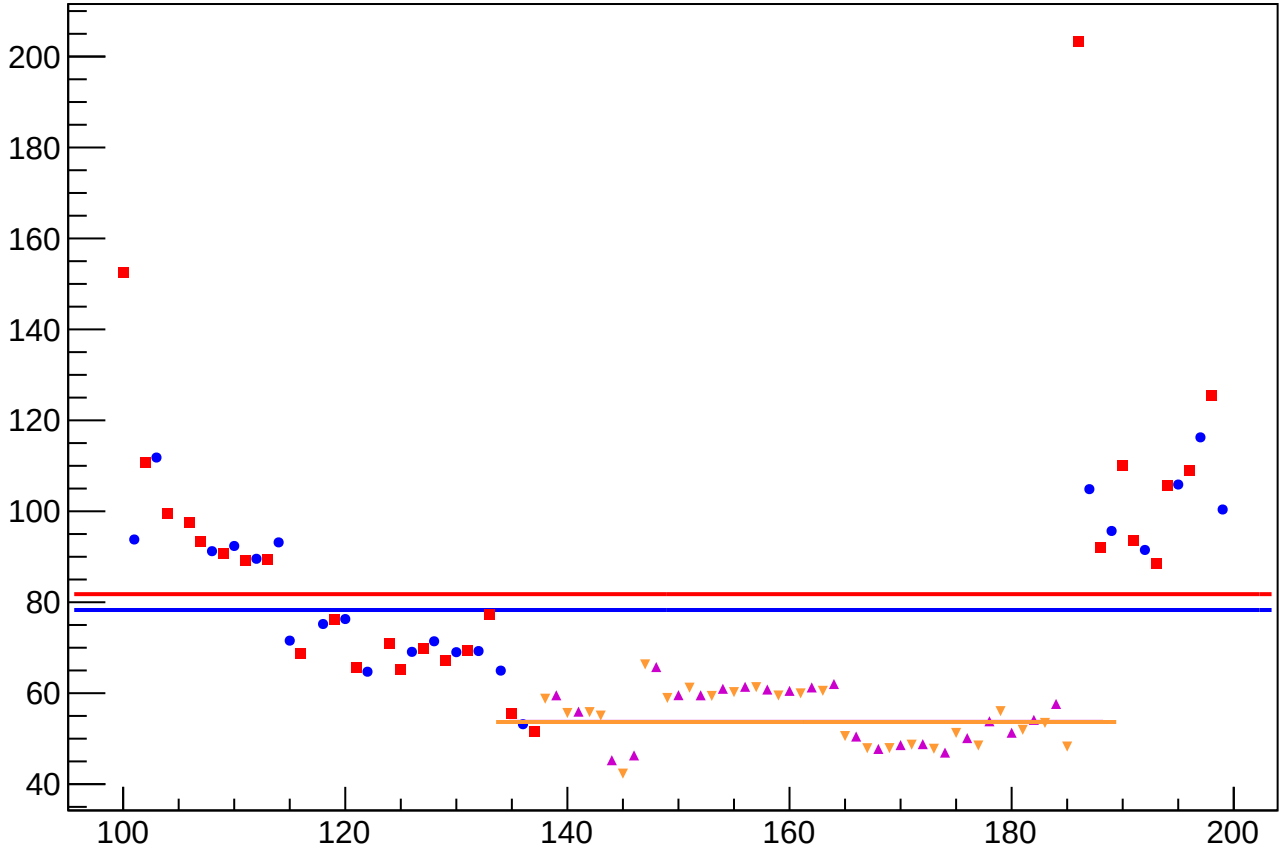
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.389+/-10.918 χ^2/NDF: 70.7/46

All: 5.147+/-7.806 χ^2/NDF: 128.6/96

- sign 15.118+/-11.164 χ^2/NDF: 56.3/49

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 78.293+/-0.017 χ^2/NDF: 1196915.0/21

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

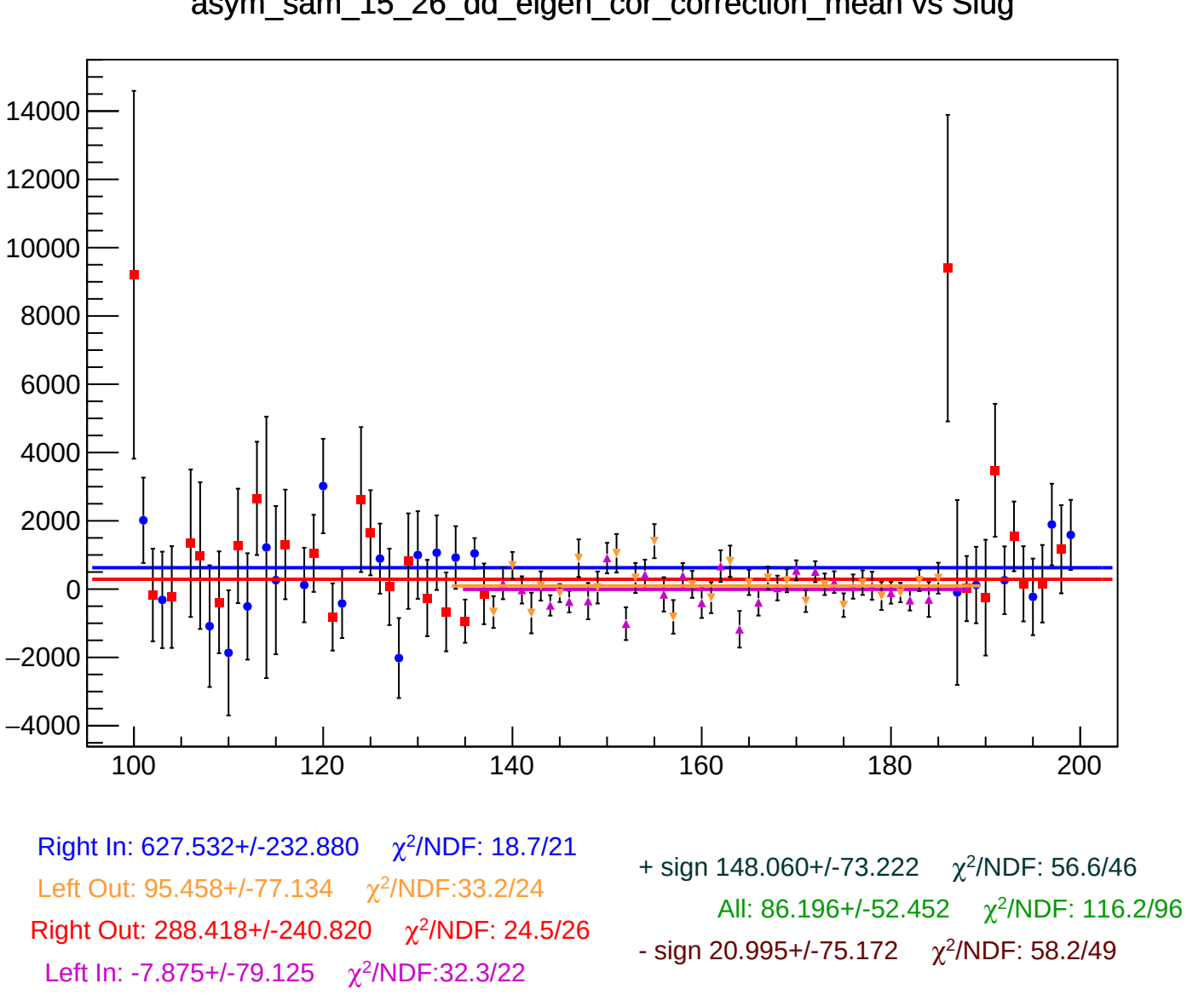
Right Out: 81.781+/-0.017 χ^2/NDF: 1556678.5/26

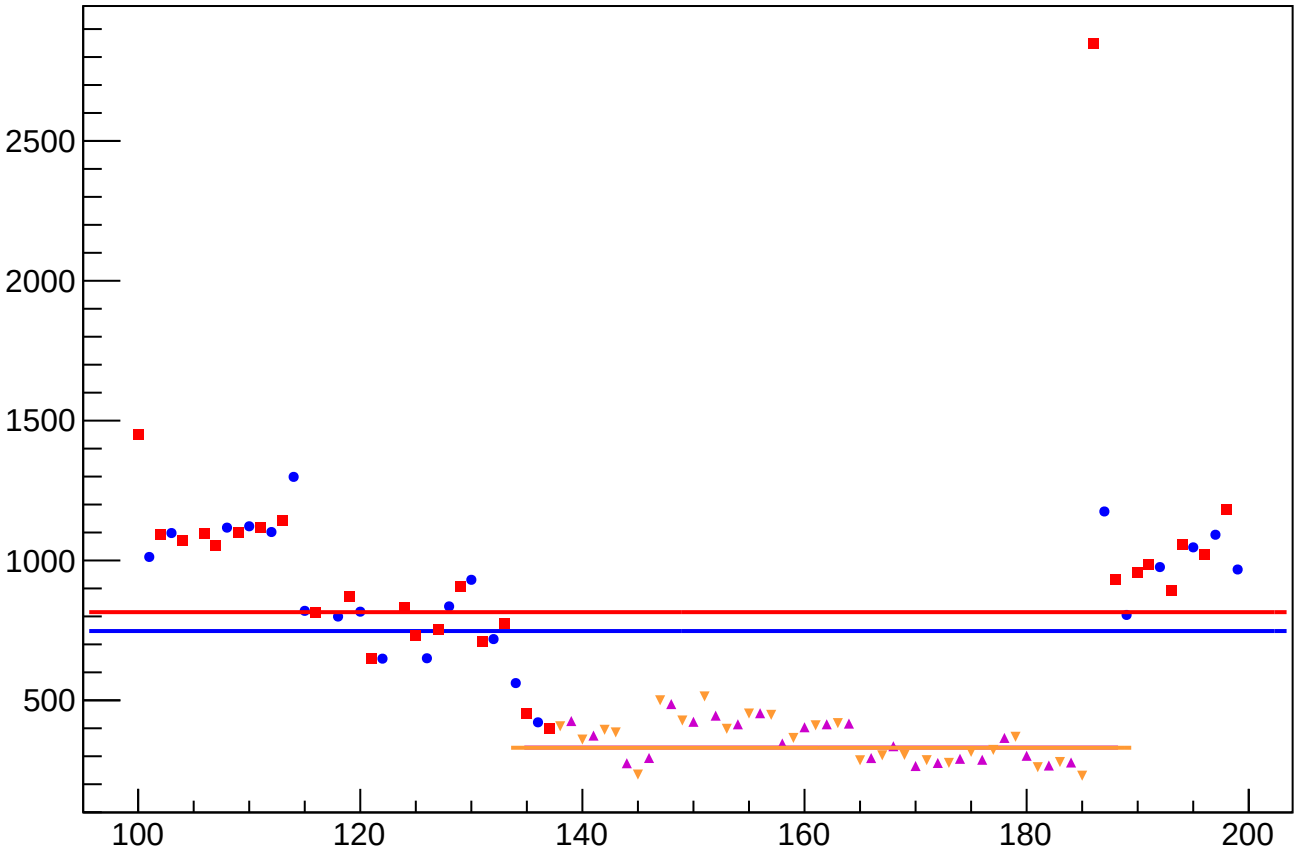
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.847+/-0.008 χ^2/NDF: 3359458.4/46

All: 59.363+/-0.006 χ^2/NDF: 7575785.0/96

- 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: 627.532+/-232.880 χ²/NDF: 18.7/21
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 148.060+/-73.222 χ²/NDF: 56.6/46
All: 86.196+/-52.452 χ²/NDF: 116.2/96
- sign 20.995+/-75.172 χ²/NDF: 58.2/49



Right In: 747.687+/-0.165 χ^2/NDF: 2327970.0/21

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.240+/-0.170 χ^2/NDF: 2457996.4/26

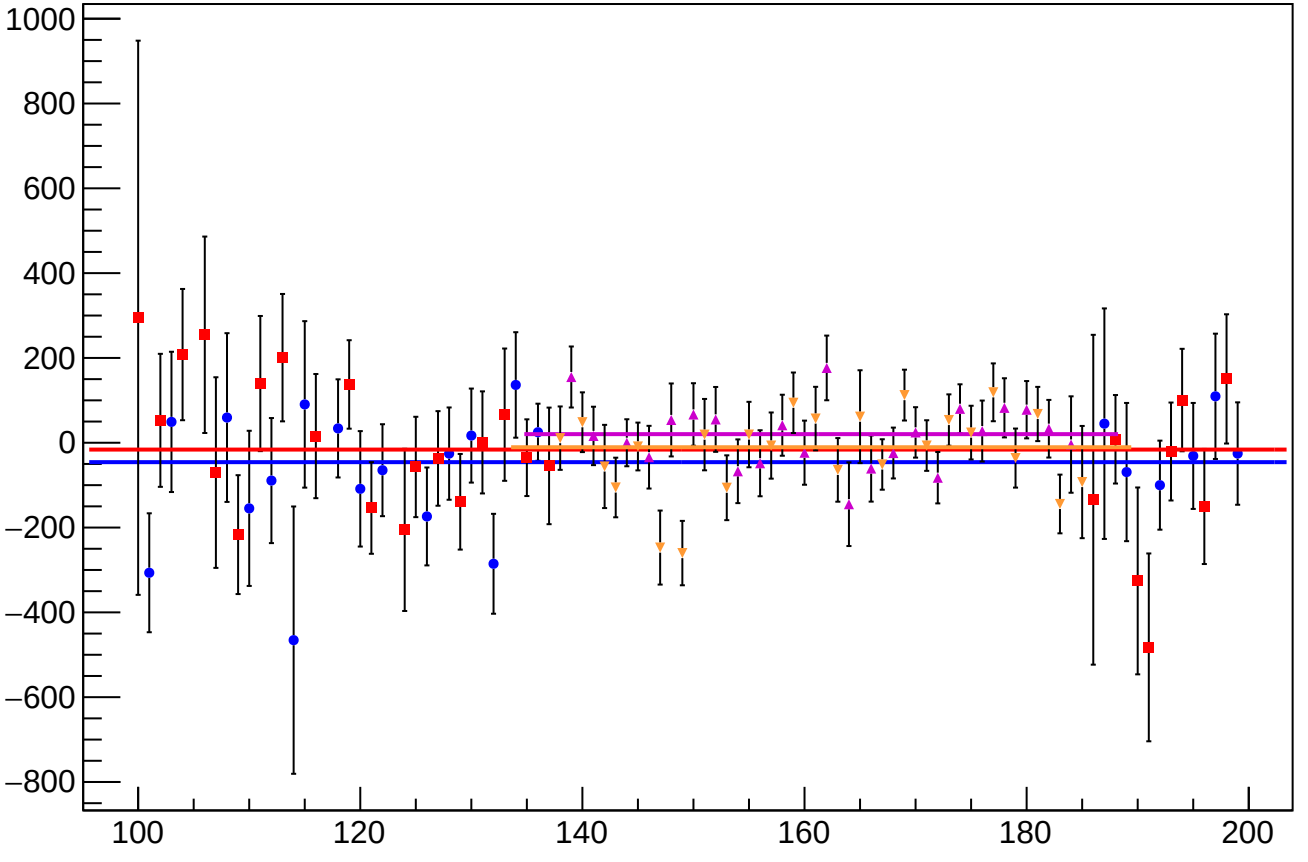
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 371.658+/-0.052 χ^2/NDF: 9866962.0/46

All: 374.861+/-0.037 χ^2/NDF: 20955346.9/96

- sign 378.236+/-0.053 χ^2/NDF: 11080526.8/49

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -45.765+/-27.148 χ^2/NDF: 18.0/21

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -16.102+/-26.676 χ^2/NDF: 25.3/26

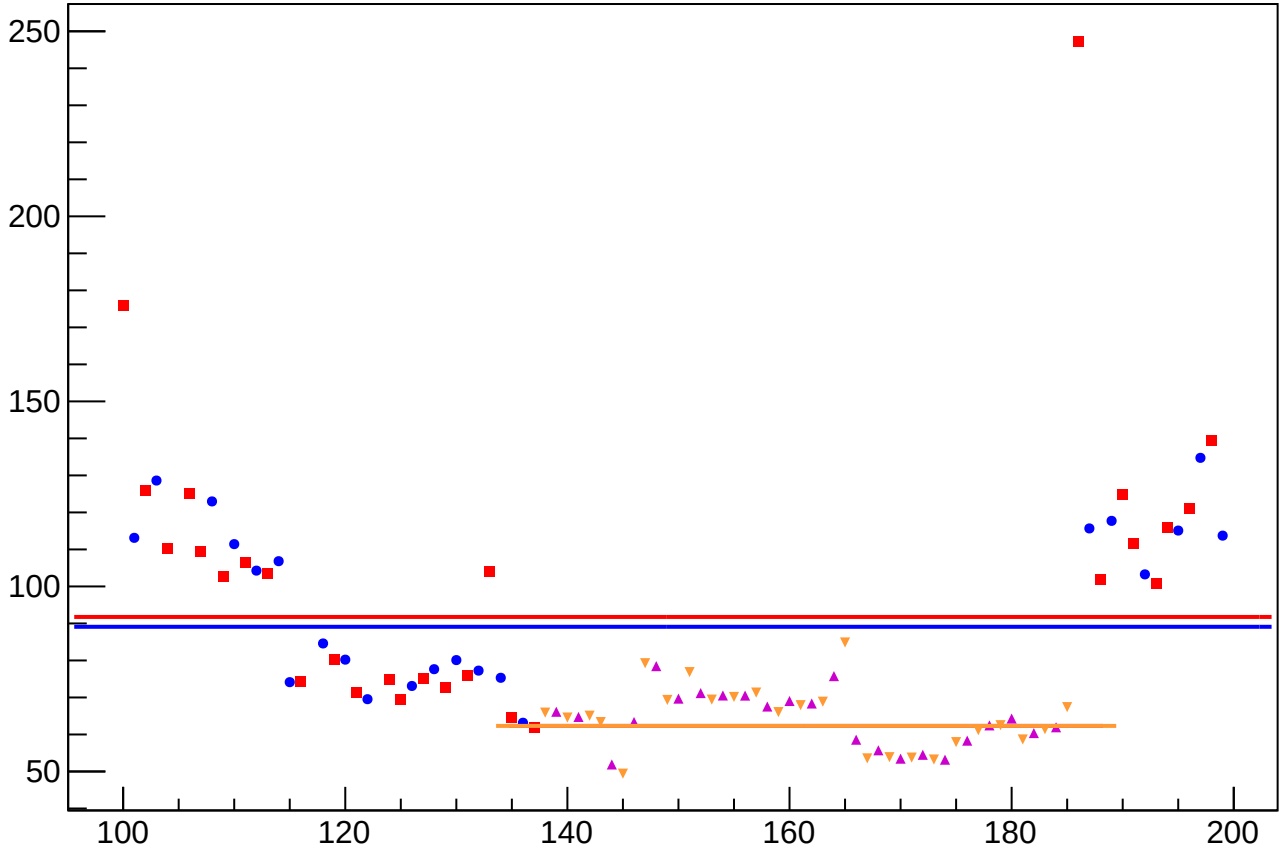
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

\+ sign -18.257+/-12.660 χ^2/NDF: 61.5/46

All: -3.530+/-9.038 χ^2/NDF: 112.7/96

\- sign 11.781+/-12.908 χ^2/NDF: 48.4/49

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 89.098+/-0.019 χ^2/NDF: 1269458.3/21

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 91.759+/-0.019 χ^2/NDF: 1668090.8/26

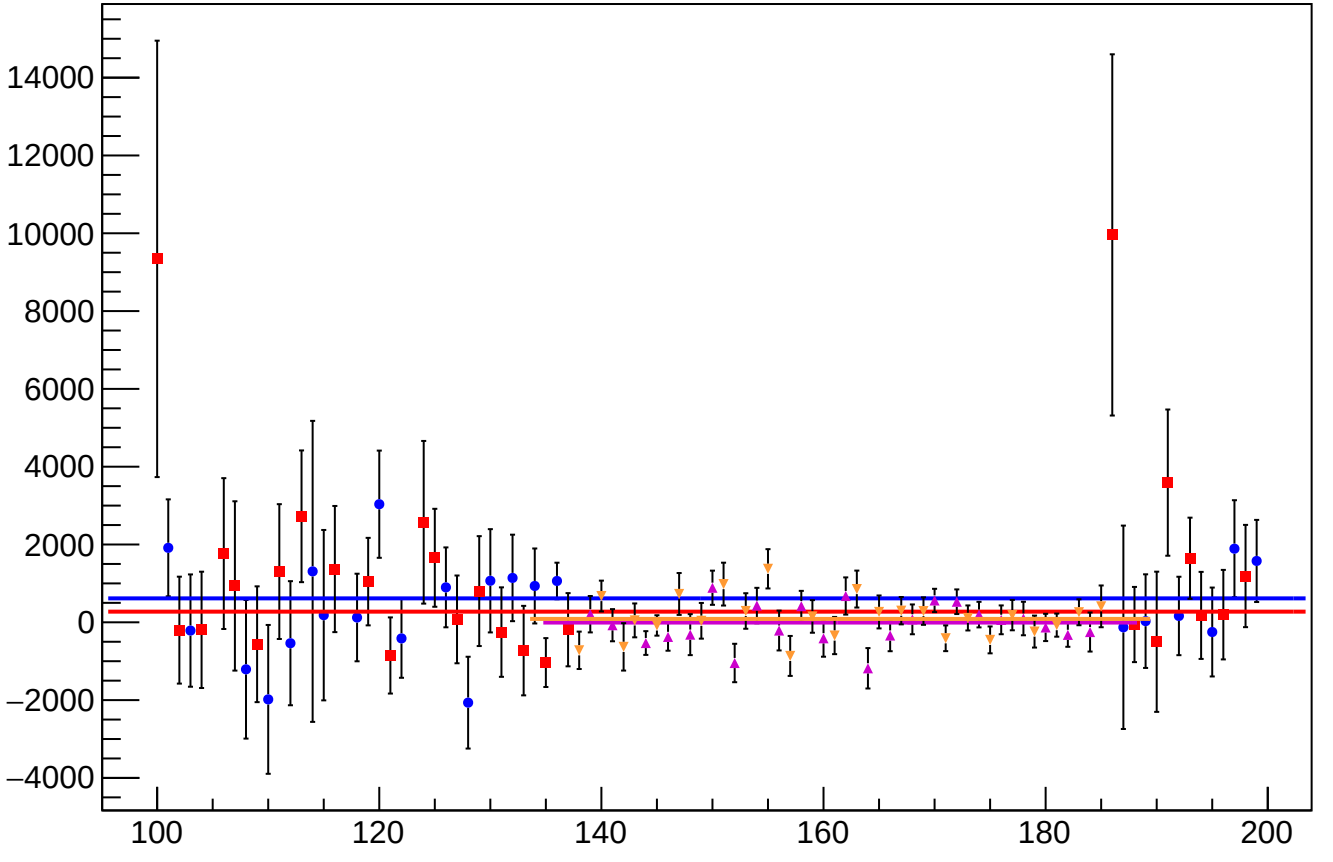
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 68.140+/-0.009 χ^2/NDF: 3428801.6/46

All: 68.662+/-0.006 χ^2/NDF: 7455051.2/96

- sign 69.206+/-0.009 χ^2/NDF: 4019296.5/49

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 615.267+/-239.387 χ^2/NDF: 18.8/21

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 274.023+/-243.141 χ^2/NDF: 26.7/26

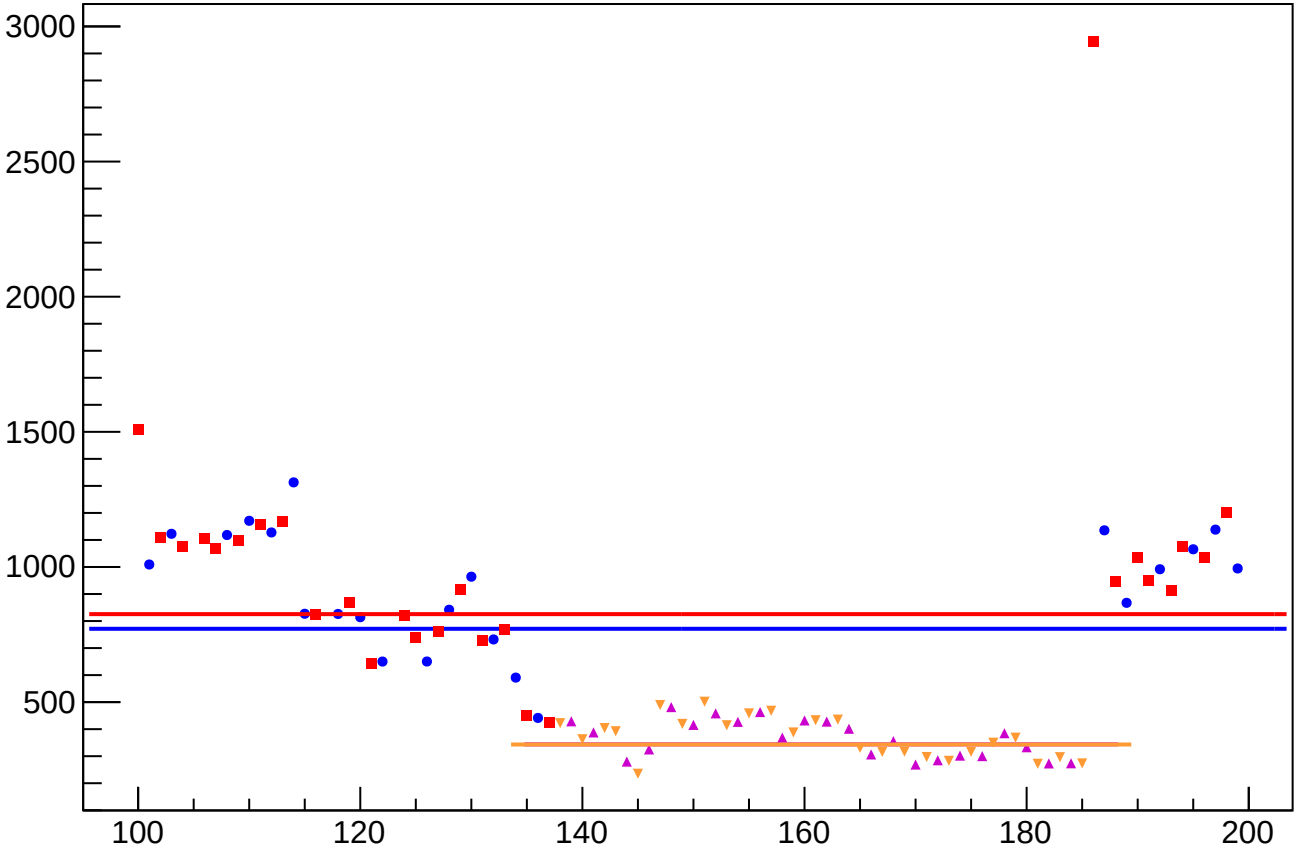
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 139.862+/-75.736 χ^2/NDF: 54.8/46

All: 82.618+/-54.266 χ^2/NDF: 116.3/96

- sign 22.220+/-77.794 χ^2/NDF: 60.3/49

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 771.329+/-0.169 χ^2/NDF: 2207816.9/21

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 825.572+/-0.172 χ^2/NDF: 2483056.9/26

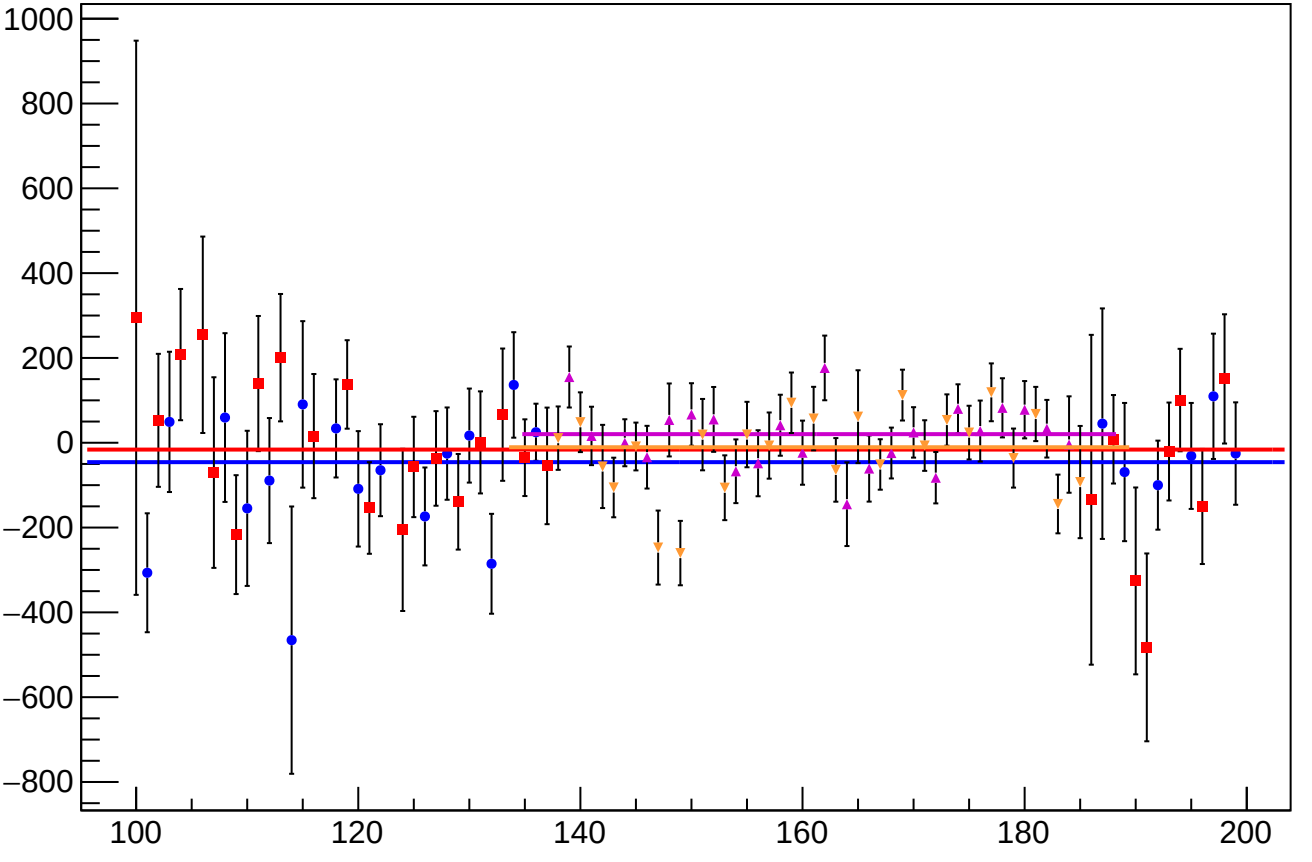
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 386.075+/-0.054 χ^2/NDF: 9559269.0/46

All: 389.466+/-0.038 χ^2/NDF: 20359813.4/96

- sign 393.045+/-0.055 χ^2/NDF: 10792301.5/49

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -45.765+/-27.148 χ^2/NDF: 18.0/21

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -16.102+/-26.676 χ^2/NDF: 25.3/26

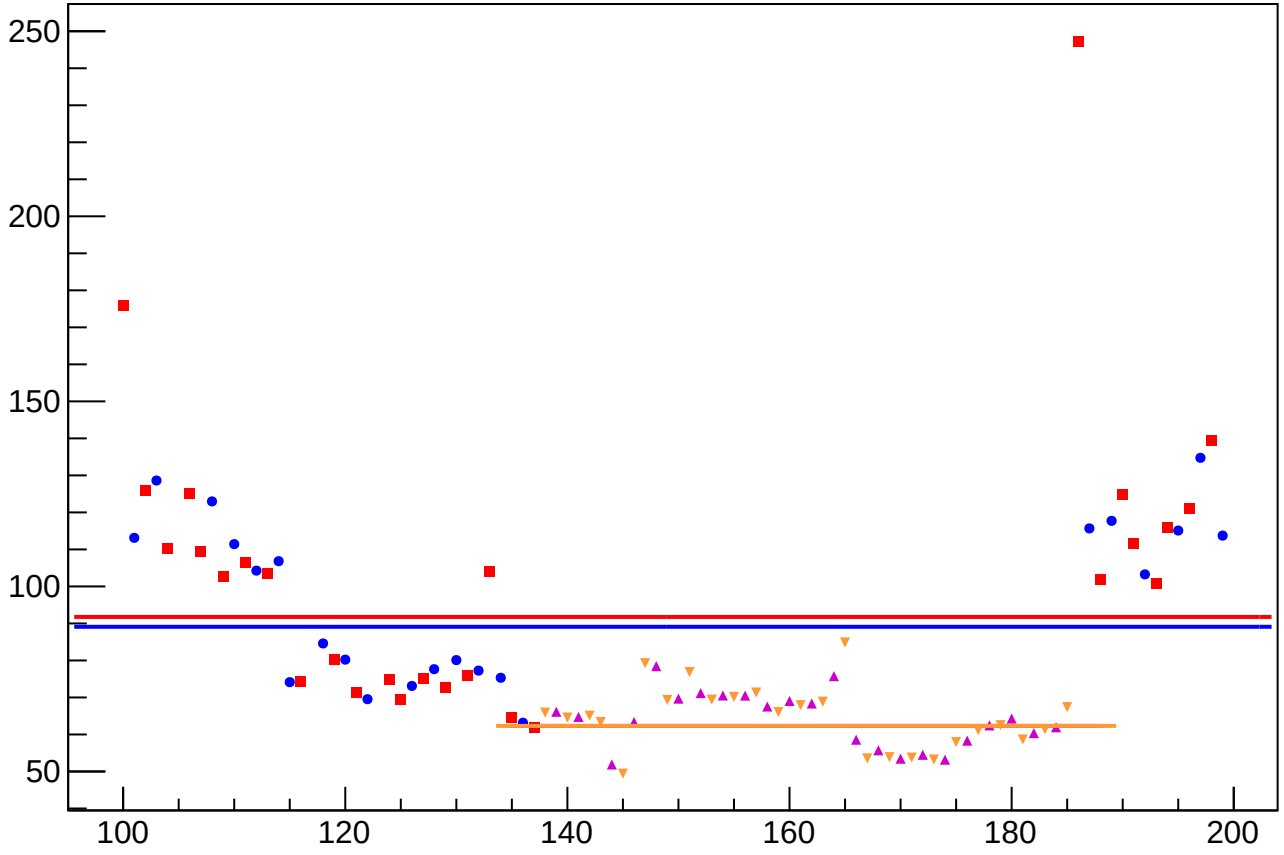
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.257+/-12.660 χ^2/NDF: 61.5/46

All: -3.530+/-9.038 χ^2/NDF: 112.7/96

- sign 11.781+/-12.908 χ^2/NDF: 48.4/49

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 89.097+/-0.019 χ^2/NDF: 1269473.4/21

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

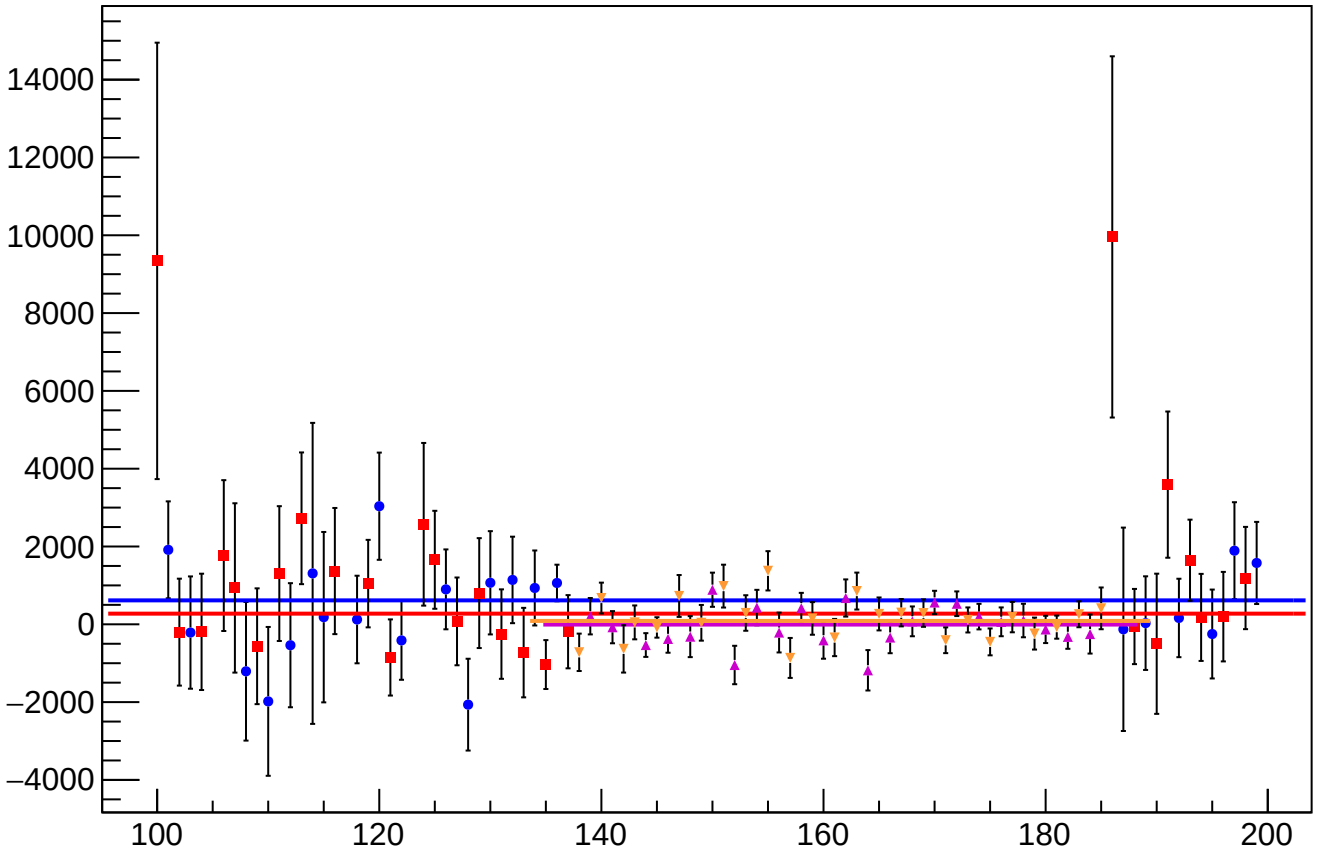
Right Out: 91.758+/-0.019 χ^2/NDF: 1668082.3/26

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 68.140+/-0.009 χ^2/NDF: 3428773.1/46

All: 68.662+/-0.006 χ^2/NDF: 7454961.4/96

- sign 69.206+/-0.009 χ^2/NDF: 4019233.3/49



Right In: 615.266+/-239.387 χ^2/NDF: 18.8/21

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

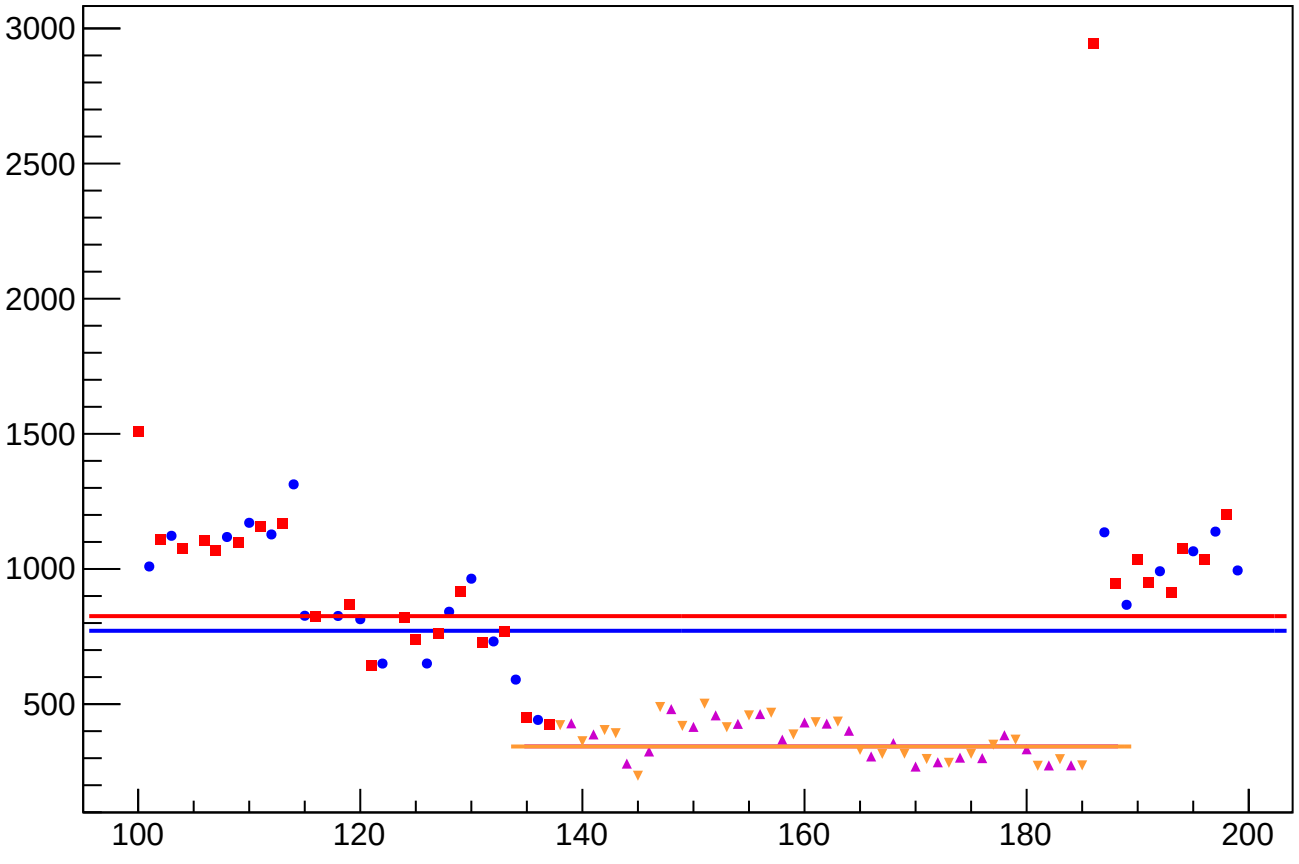
Right Out: 274.024+/-243.141 χ^2/NDF: 26.7/26

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

\+ sign 139.862+/-75.736 χ^2/NDF: 54.8/46

All: 82.618+/-54.266 χ^2/NDF: 116.3/96

\- sign 22.220+/-77.794 χ^2/NDF: 60.3/49



Right In: 771.328+/-0.169 χ^2/NDF: 2207807.9/21

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 825.571+/-0.172 χ^2/NDF: 2483052.4/26

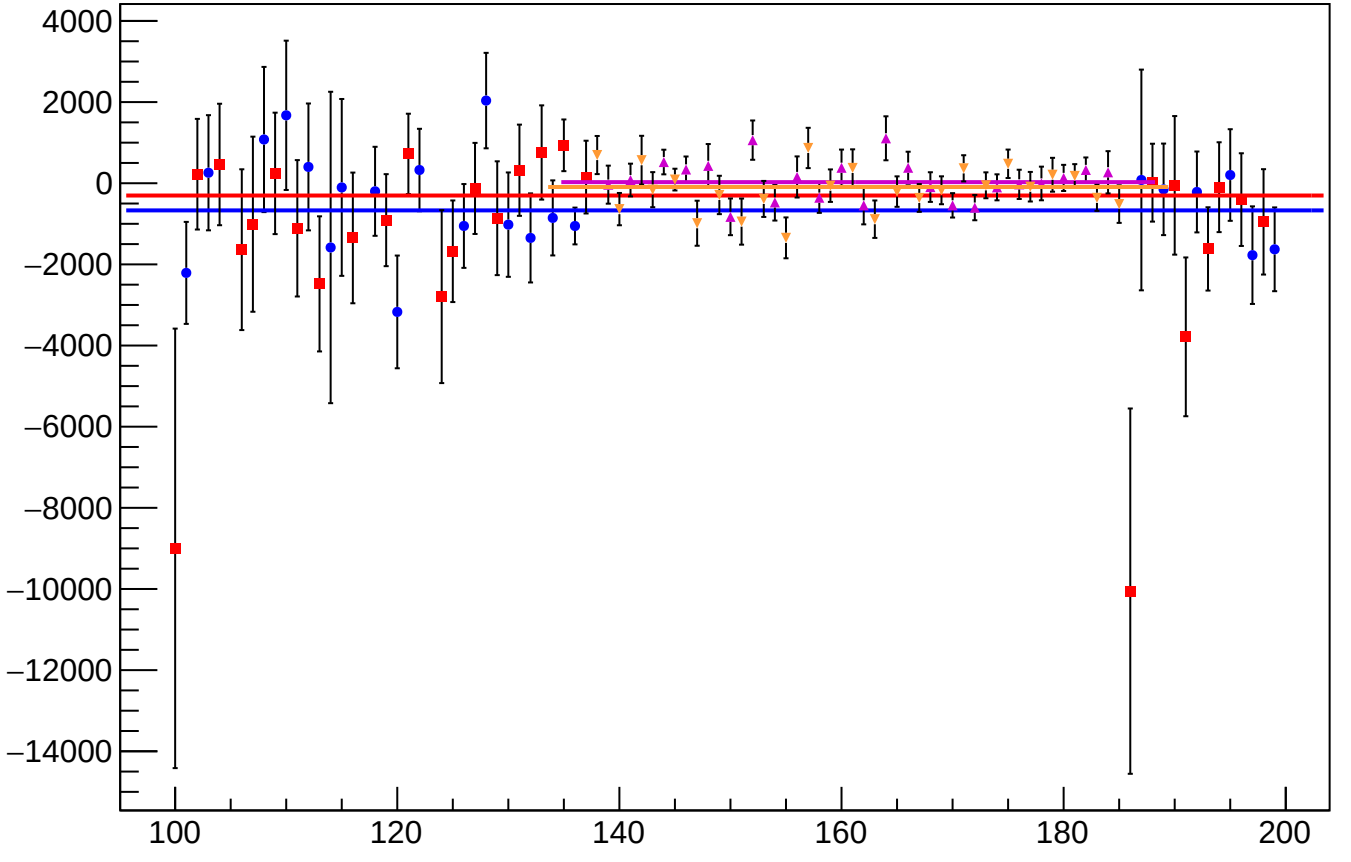
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 386.075+/-0.054 χ^2/NDF: 9559270.9/46

All: 389.467+/-0.038 χ^2/NDF: 20359810.2/96

- sign 393.045+/-0.055 χ^2/NDF: 10792296.0/49

asym_sam_15_26_dd_mean vs Slug



Right In: -669.352+/-234.291 χ^2/NDF: 18.9/21

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -302.738+/-241.835 χ^2/NDF: 25.3/26

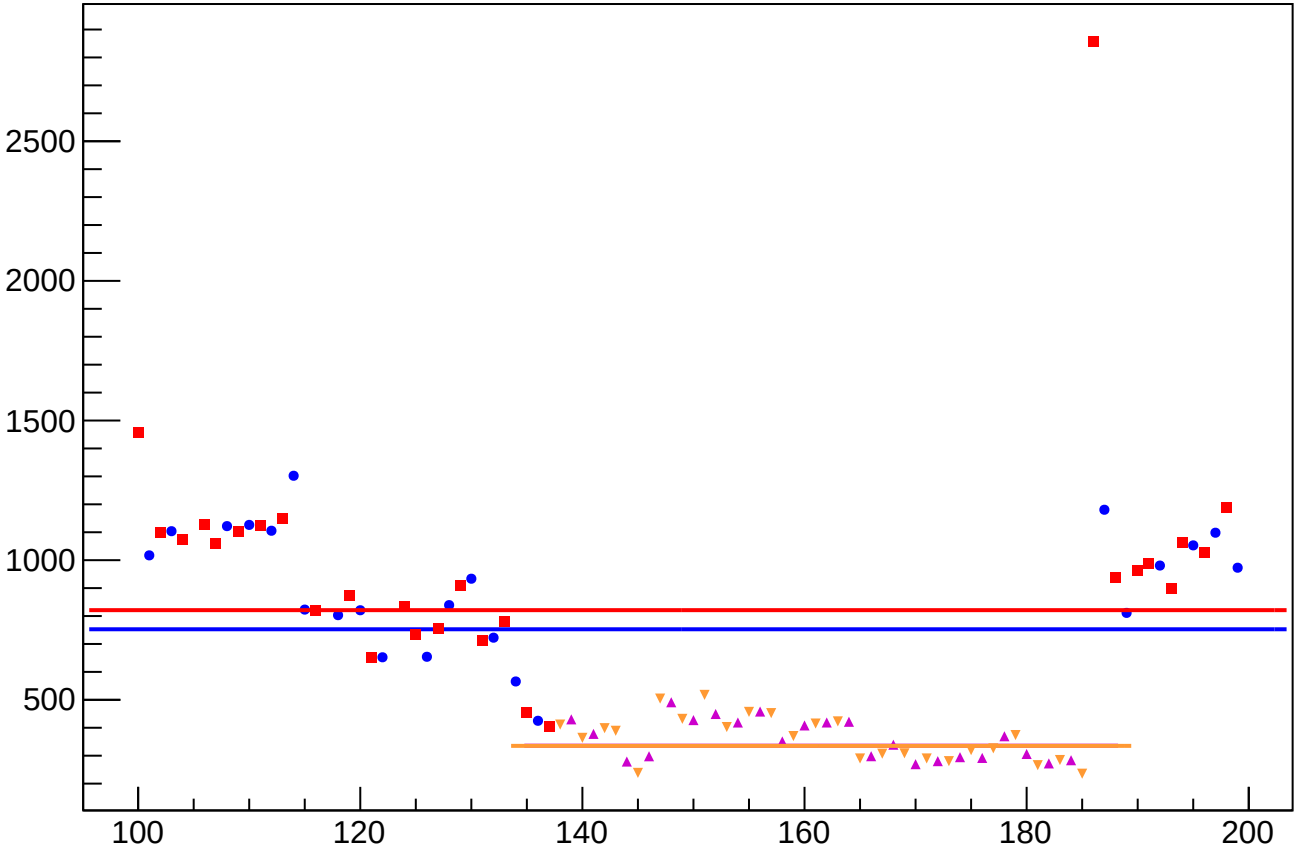
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -150.455+/-74.164 χ^2/NDF: 58.6/46

All: -79.883+/-53.123 χ^2/NDF: 118.3/96

- sign -5.520+/-76.130 χ^2/NDF: 57.8/49

asym_sam_15_26_dd_rms vs Slug



Right In: 752.616+/-0.166 χ^2/NDF: 2307067.7/21

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

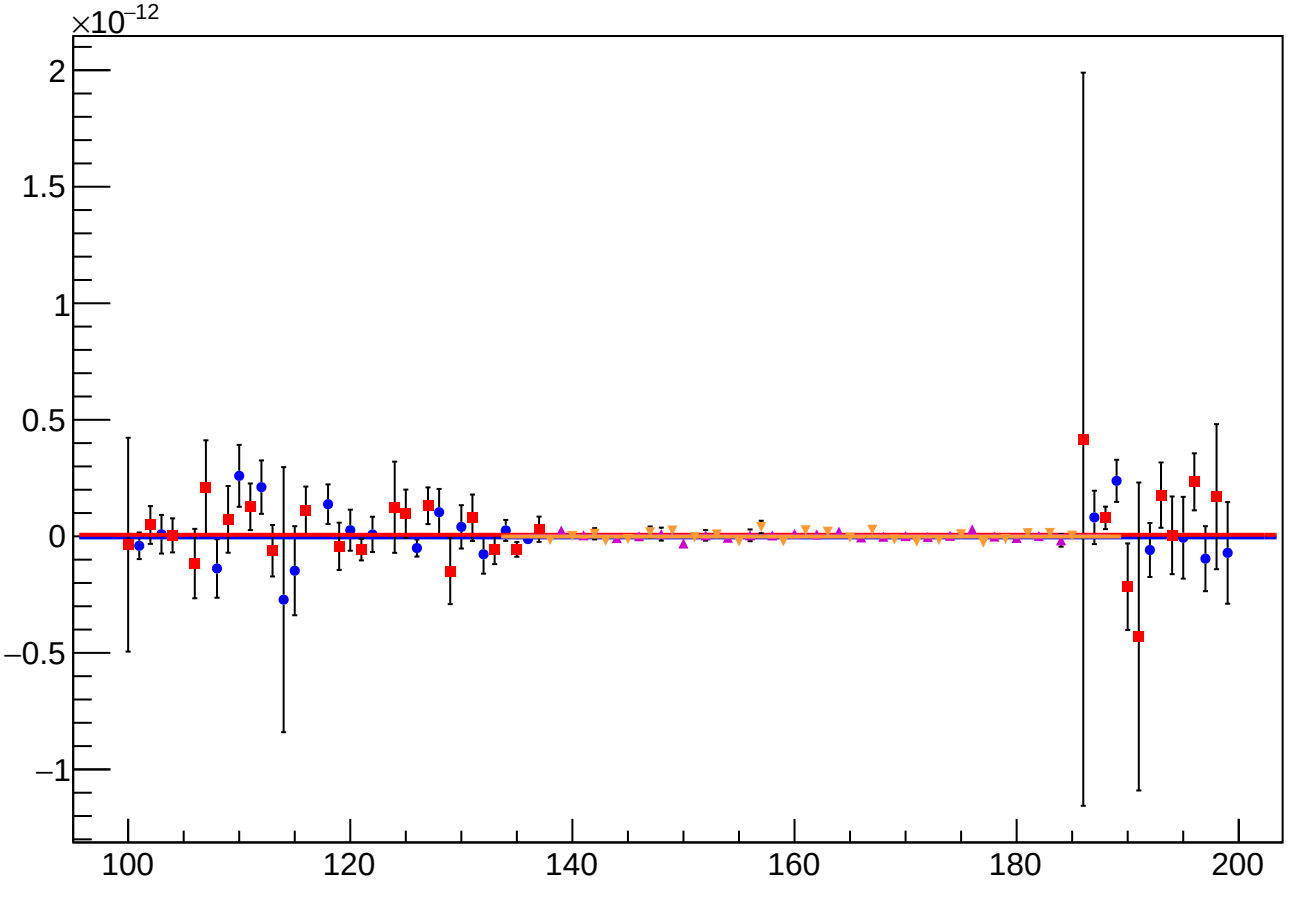
Right Out: 821.067+/-0.171 χ^2/NDF: 2457508.8/26

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 376.980+/-0.052 χ^2/NDF: 9726645.0/46

All: 380.339+/-0.038 χ^2/NDF: 20739229.1/96

- sign 383.878+/-0.054 χ^2/NDF: 11004160.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

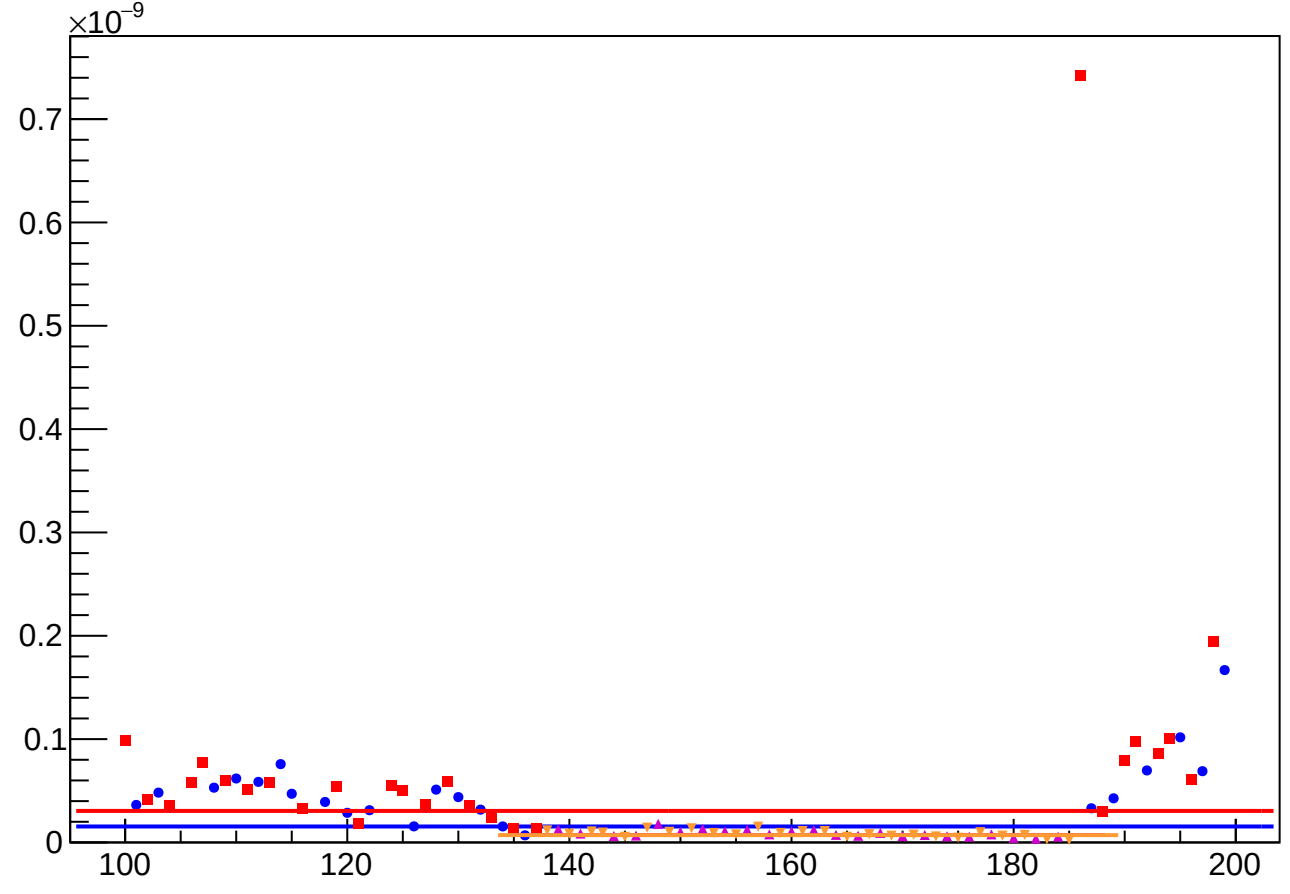
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/26

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/46

All: 0.000+/-0.000 χ^2/NDF: 101.7/96

- sign 0.000+/-0.000 χ^2/NDF: 42.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 5519631.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3722371.3/26

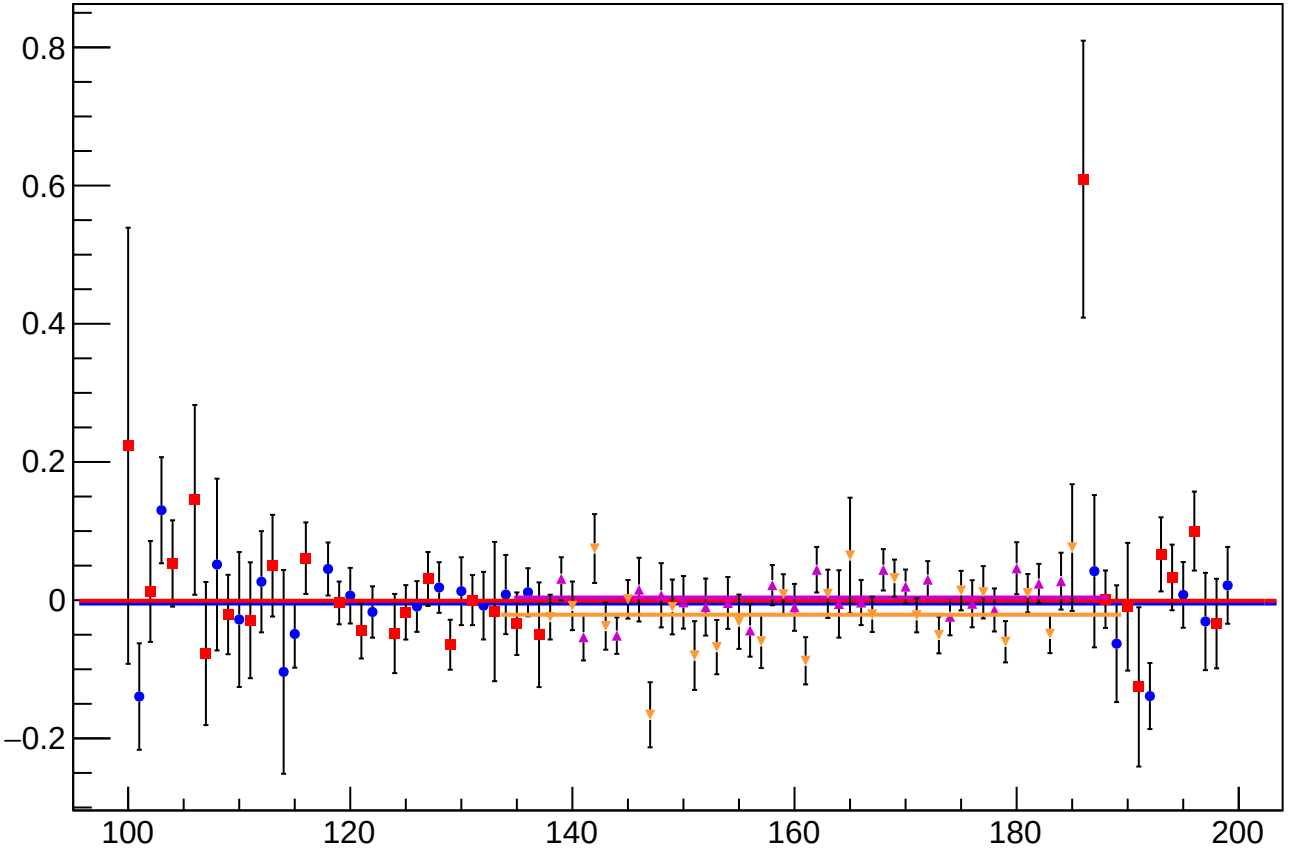
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8758748.2/46

All: 0.000+/-0.000 χ^2/NDF: 18252668.4/96

- sign 0.000+/-0.000 χ^2/NDF: 9481017.0/49

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

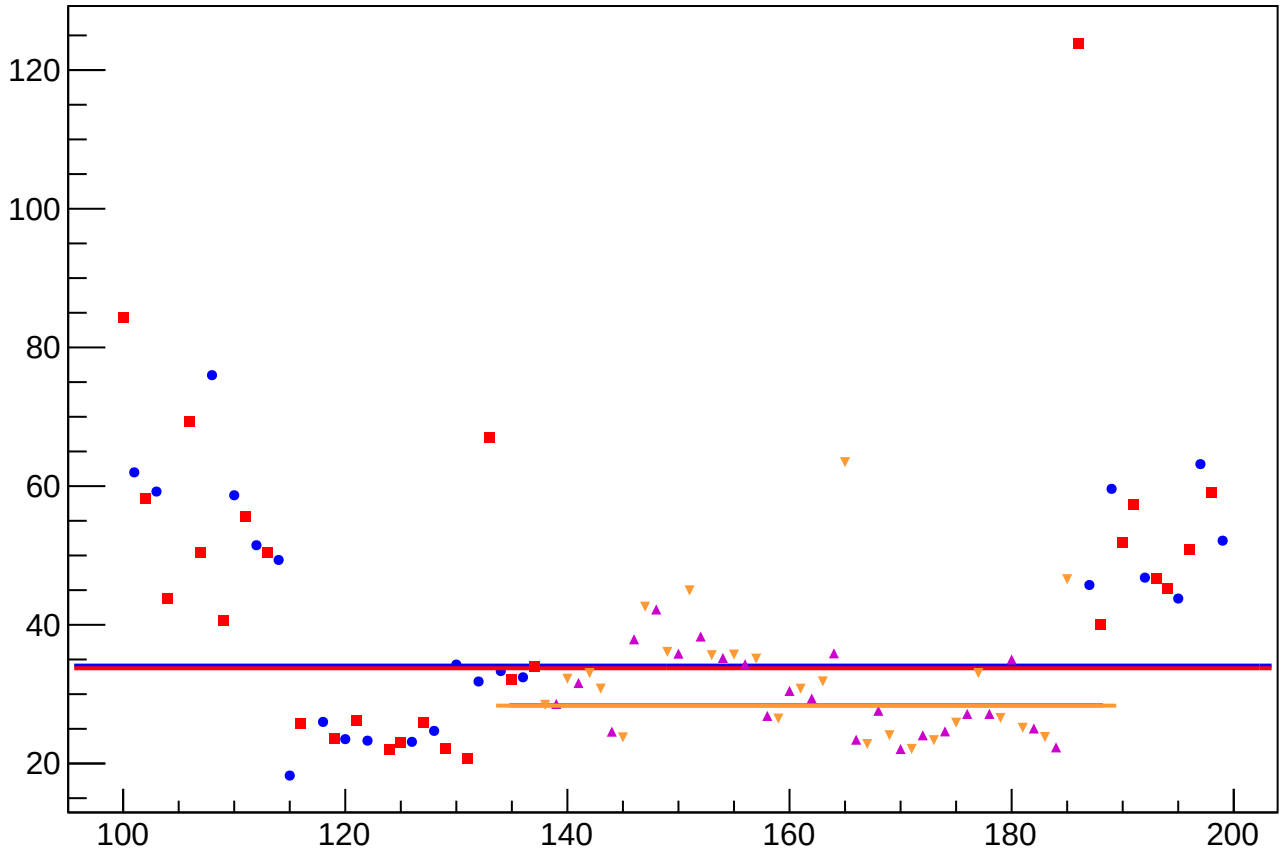
Right Out: -0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/46

All: -0.007+/-0.004 χ^2/NDF: 110.5/96

- sign 0.002+/-0.006 χ^2/NDF: 46.6/49



Right In: 34.117+/-0.008 χ^2/NDF: 2870957.4/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

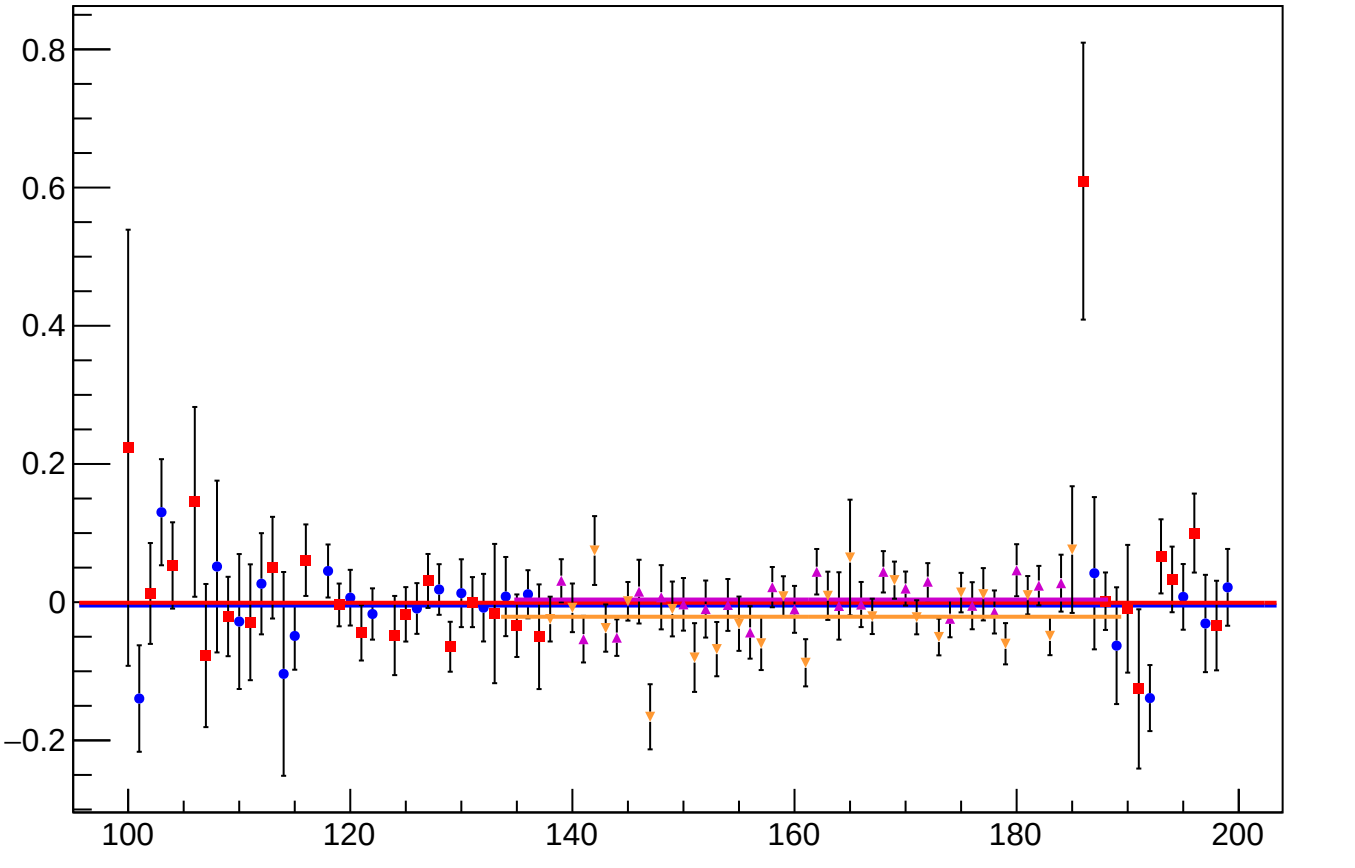
Right Out: 33.733+/-0.007 χ^2/NDF: 3442055.3/26

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 29.893+/-0.004 χ^2/NDF: 5007399.6/46

All: 29.954+/-0.003 χ^2/NDF: 9918077.2/96

\- sign 30.015+/-0.004 χ^2/NDF: 4910221.6/49



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

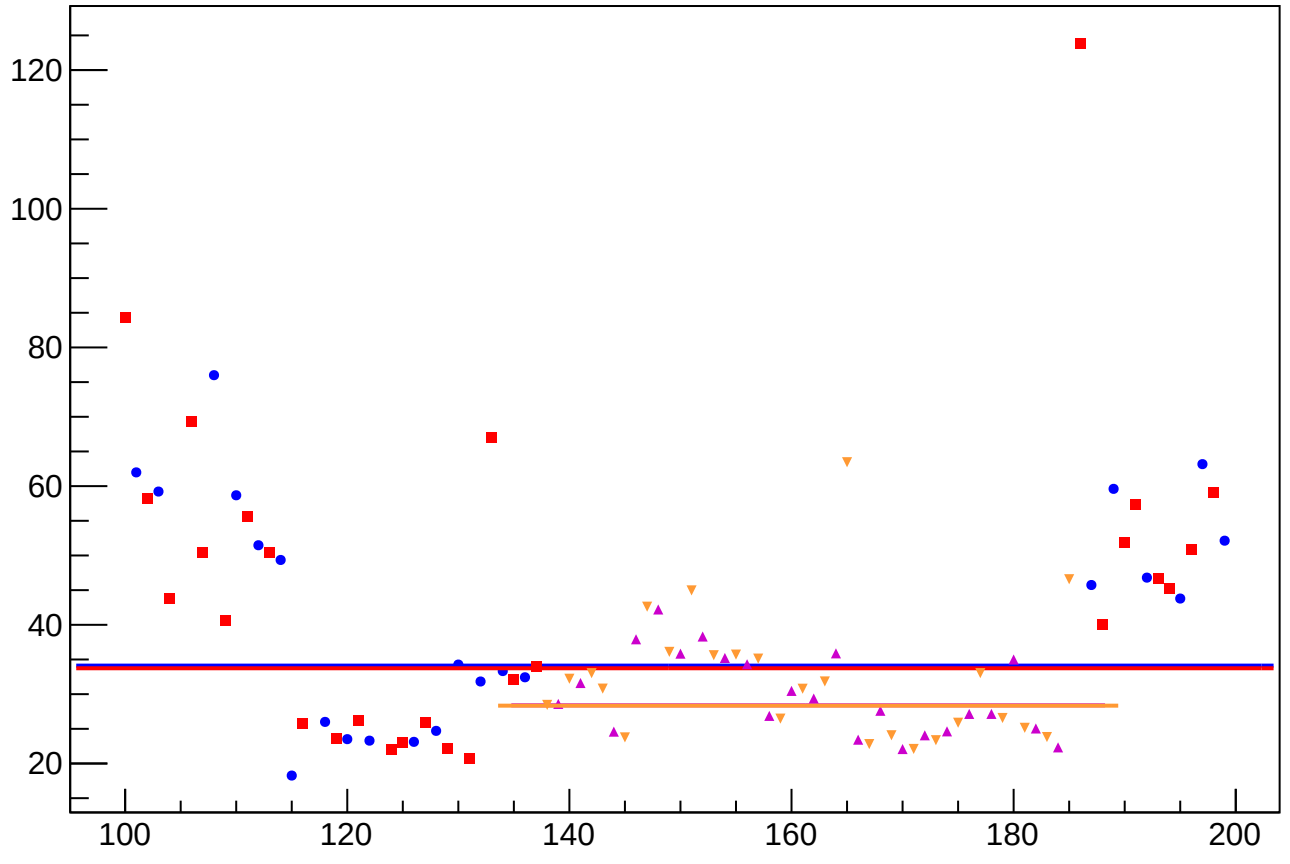
Right Out: -0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/46

All: -0.007+/-0.004 χ^2/NDF: 110.5/96

- sign 0.002+/-0.006 χ^2/NDF: 46.6/49



Right In: 34.117+/-0.008 χ^2/NDF: 2870957.4/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

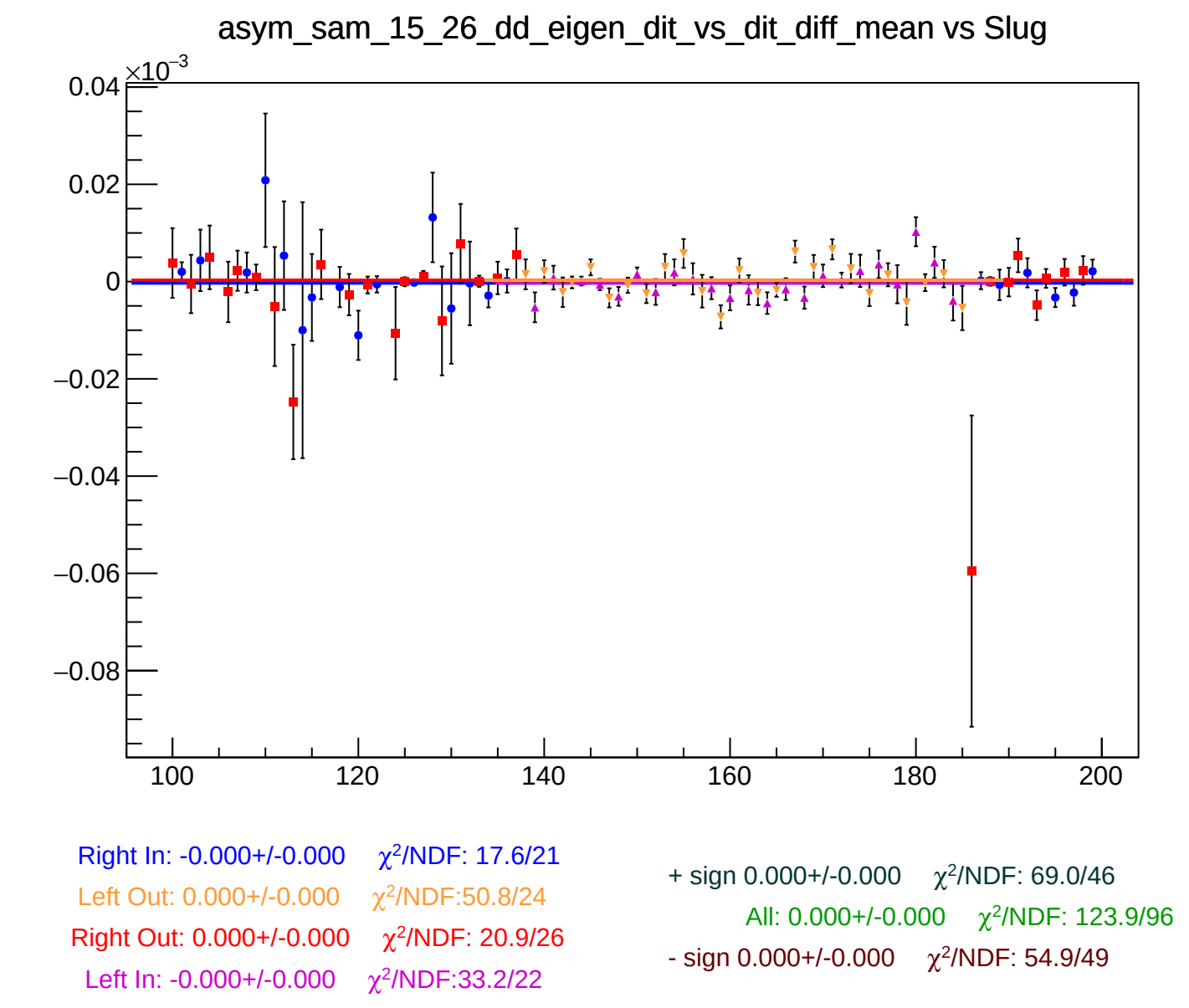
Right Out: 33.733+/-0.007 χ^2/NDF: 3442055.3/26

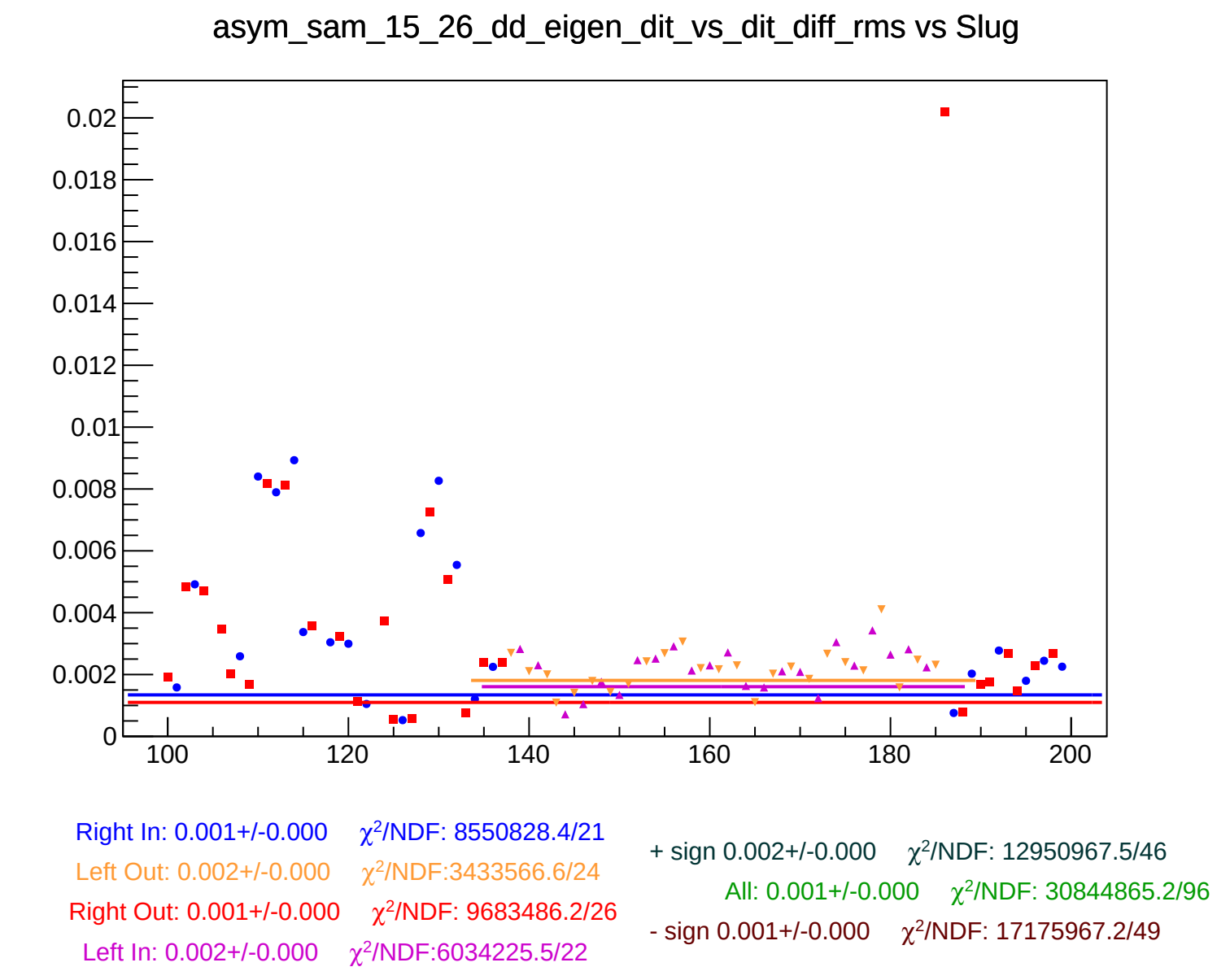
Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

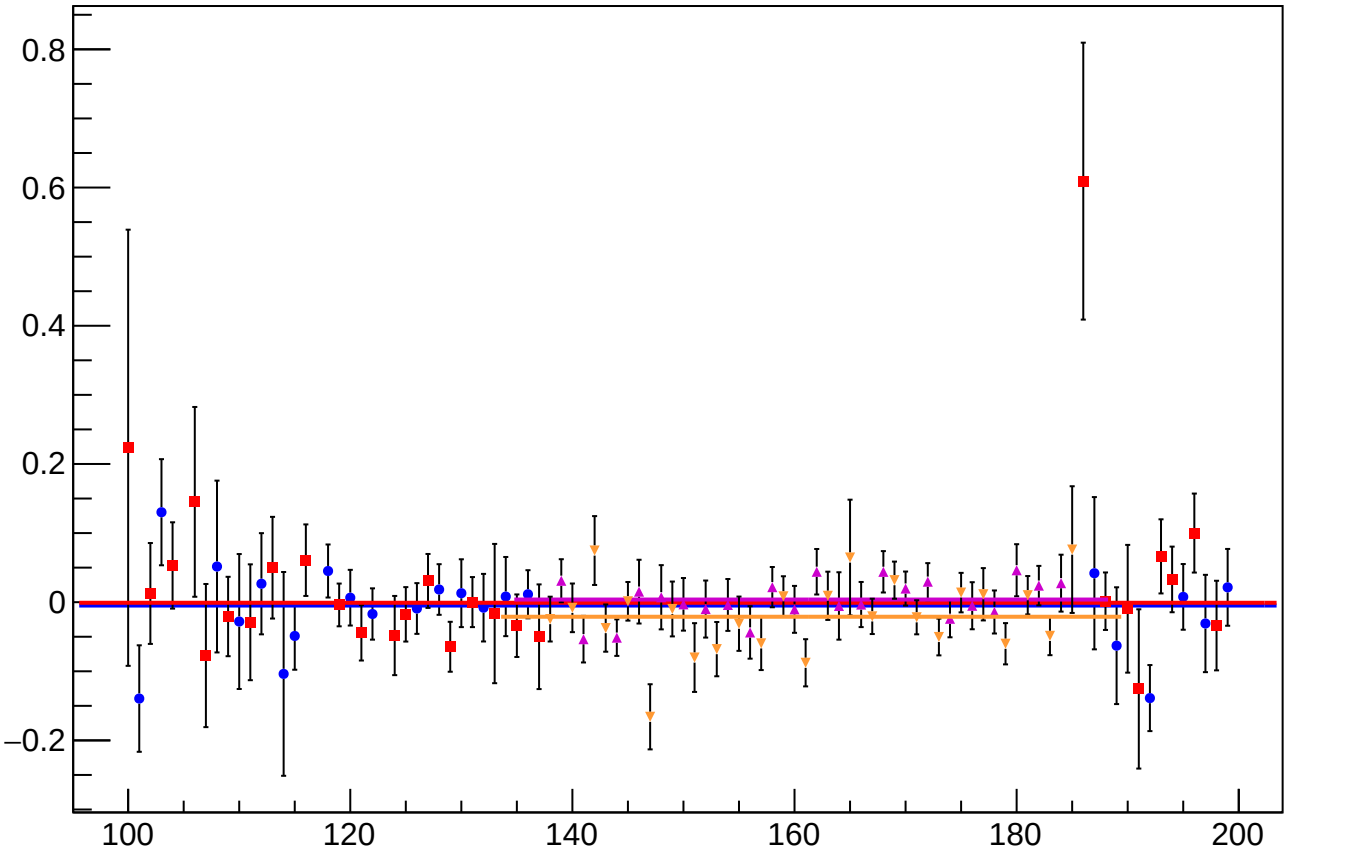
\+ sign 29.893+/-0.004 χ^2/NDF: 5007399.6/46

All: 29.954+/-0.003 χ^2/NDF: 9918077.2/96

\- sign 30.015+/-0.004 χ^2/NDF: 4910221.6/49


asym_sam_15_26_dd_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: 17.6/21
Left Out: 0.000+/-0.000 χ²/NDF:50.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/26
Left In: -0.000+/-0.000 χ²/NDF:33.2/22
+ sign 0.000+/-0.000 χ²/NDF: 69.0/46
All: 0.000+/-0.000 χ²/NDF: 123.9/96
- sign 0.000+/-0.000 χ²/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: 8550828.4/21
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: 12950967.5/46
All: 0.001+/-0.000 χ²/NDF: 30844865.2/96
- sign 0.001+/-0.000 χ²/NDF: 17175967.2/49



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

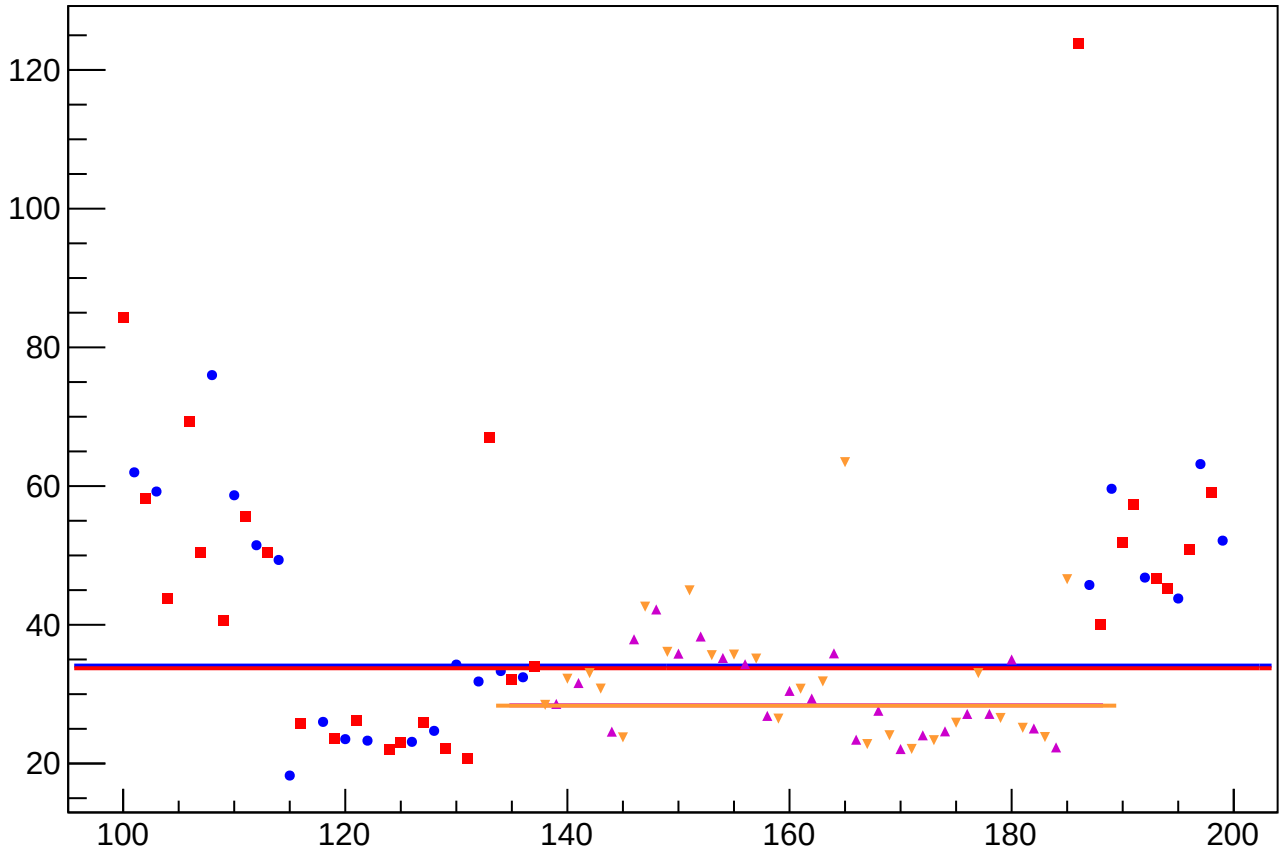
Right Out: -0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 58.3/46

All: -0.007+/-0.004 χ^2/NDF: 110.5/96

- sign 0.002+/-0.006 χ^2/NDF: 46.6/49



Right In: 34.117+/-0.008 χ^2/NDF: 2870819.1/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

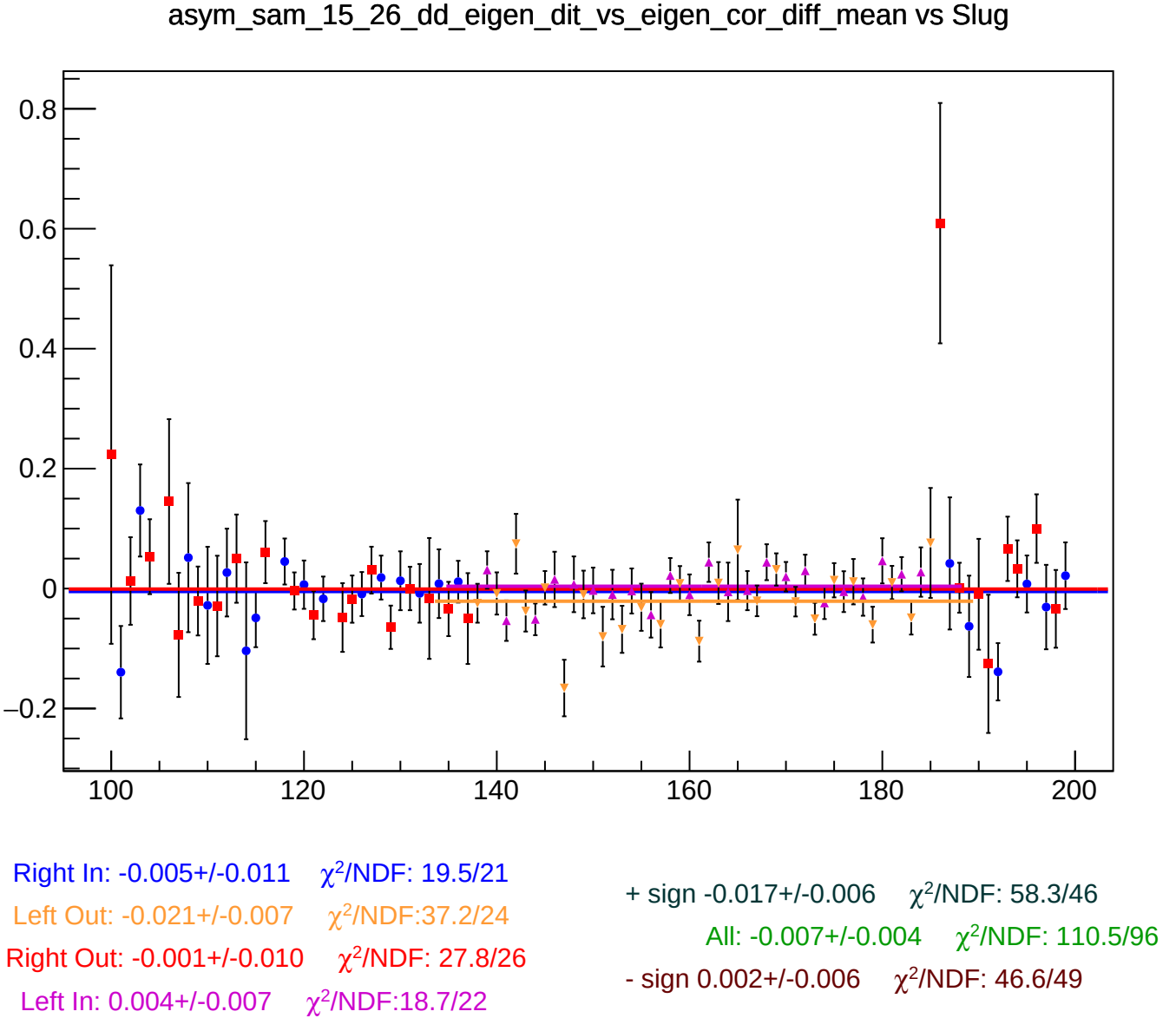
Right Out: 33.733+/-0.007 χ^2/NDF: 3442101.4/26

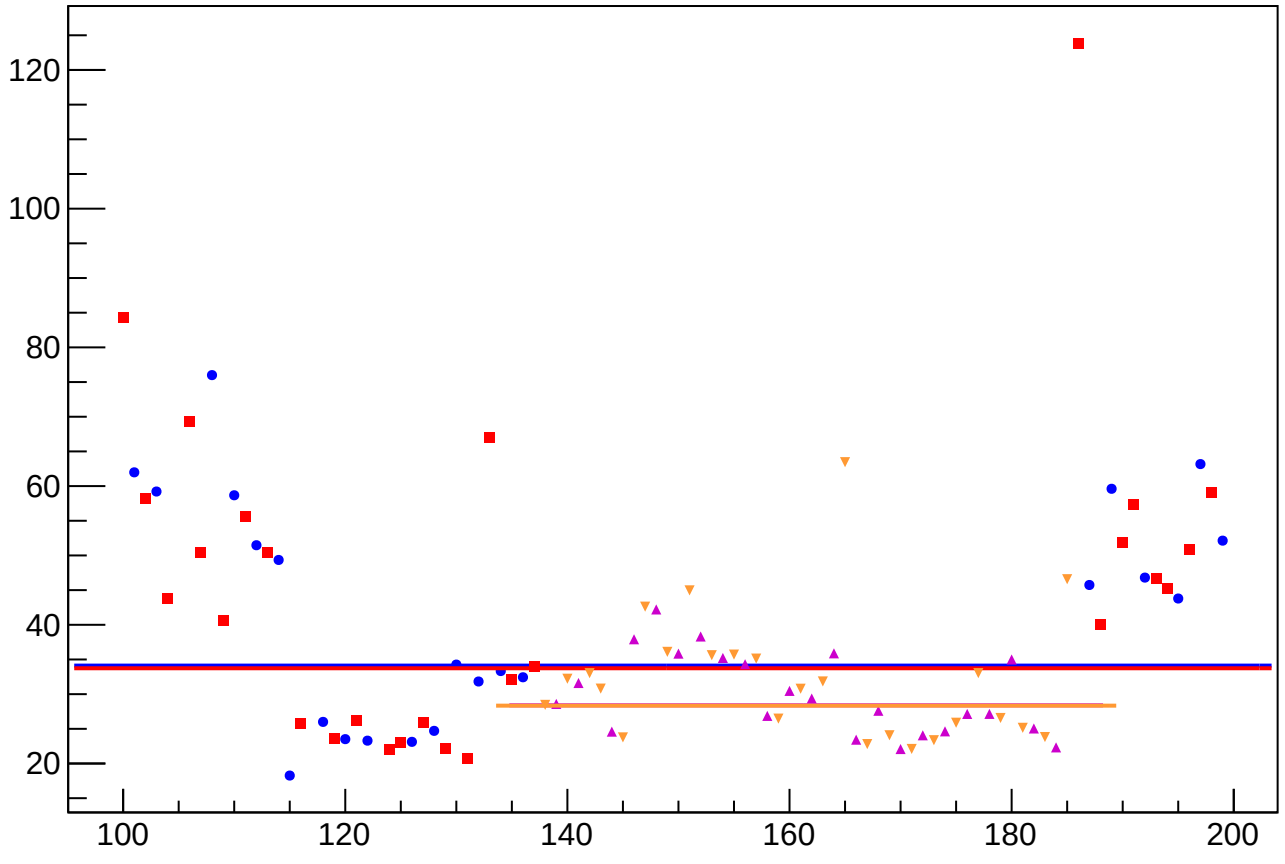
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.894+/-0.004 χ^2/NDF: 5007250.4/46

All: 29.954+/-0.003 χ^2/NDF: 9917874.9/96

\- sign 30.016+/-0.004 χ^2/NDF: 4910168.6/49


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: -0.005+/-0.011 χ²/NDF: 19.5/21
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.001+/-0.010 χ²/NDF: 27.8/26
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.017+/-0.006 χ²/NDF: 58.3/46
All: -0.007+/-0.004 χ²/NDF: 110.5/96
- sign 0.002+/-0.006 χ²/NDF: 46.6/49



Right In: 34.117+/-0.008 χ^2/NDF: 2870819.1/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

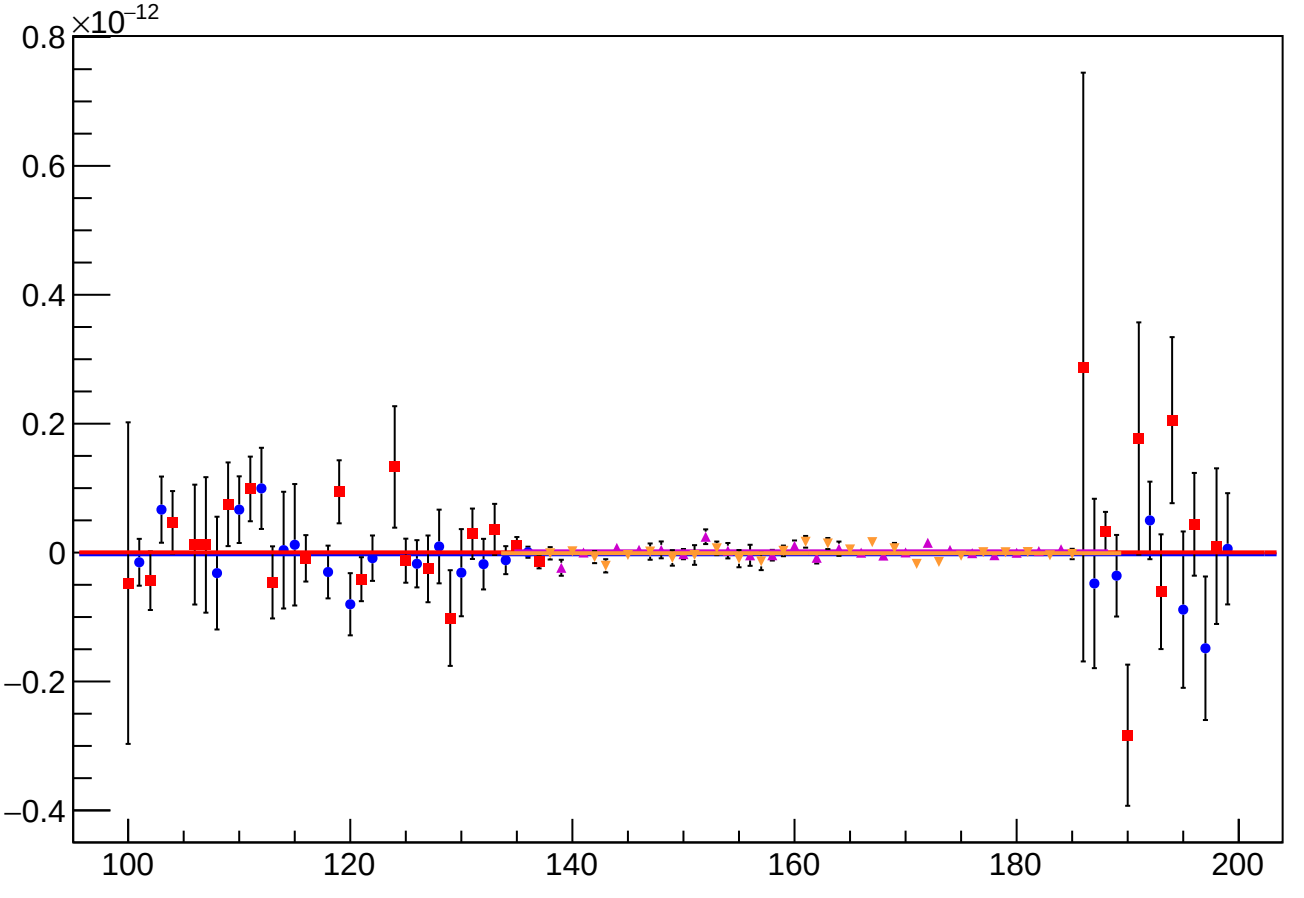
Right Out: 33.733+/-0.007 χ^2/NDF: 3442101.4/26

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.894+/-0.004 χ^2/NDF: 5007250.4/46

All: 29.954+/-0.003 χ^2/NDF: 9917874.9/96

\- sign 30.016+/-0.004 χ^2/NDF: 4910168.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

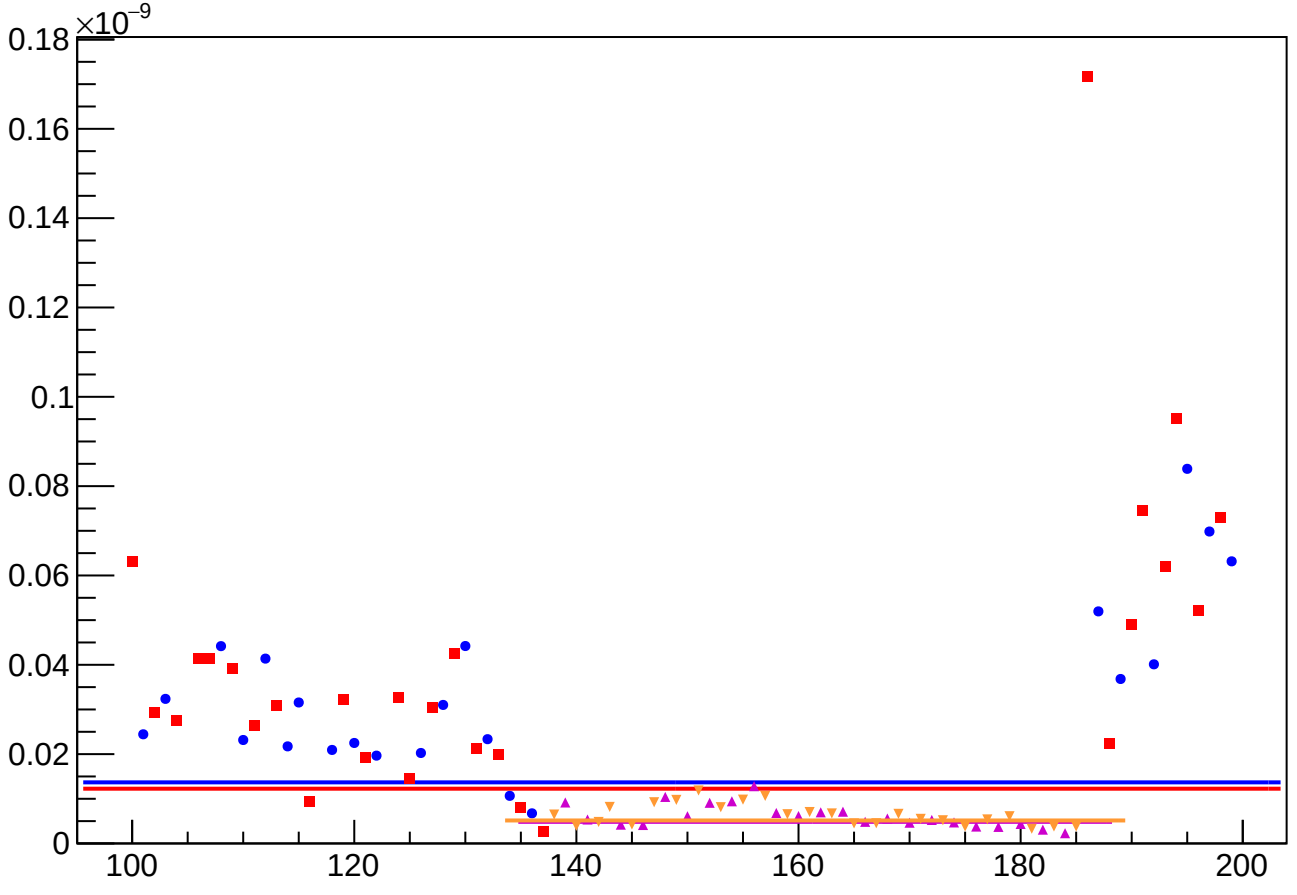
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/26

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.0/46

All: 0.000+/-0.000 χ^2/NDF: 103.5/96

- sign 0.000+/-0.000 χ^2/NDF: 53.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 6187661.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8284991.2/26

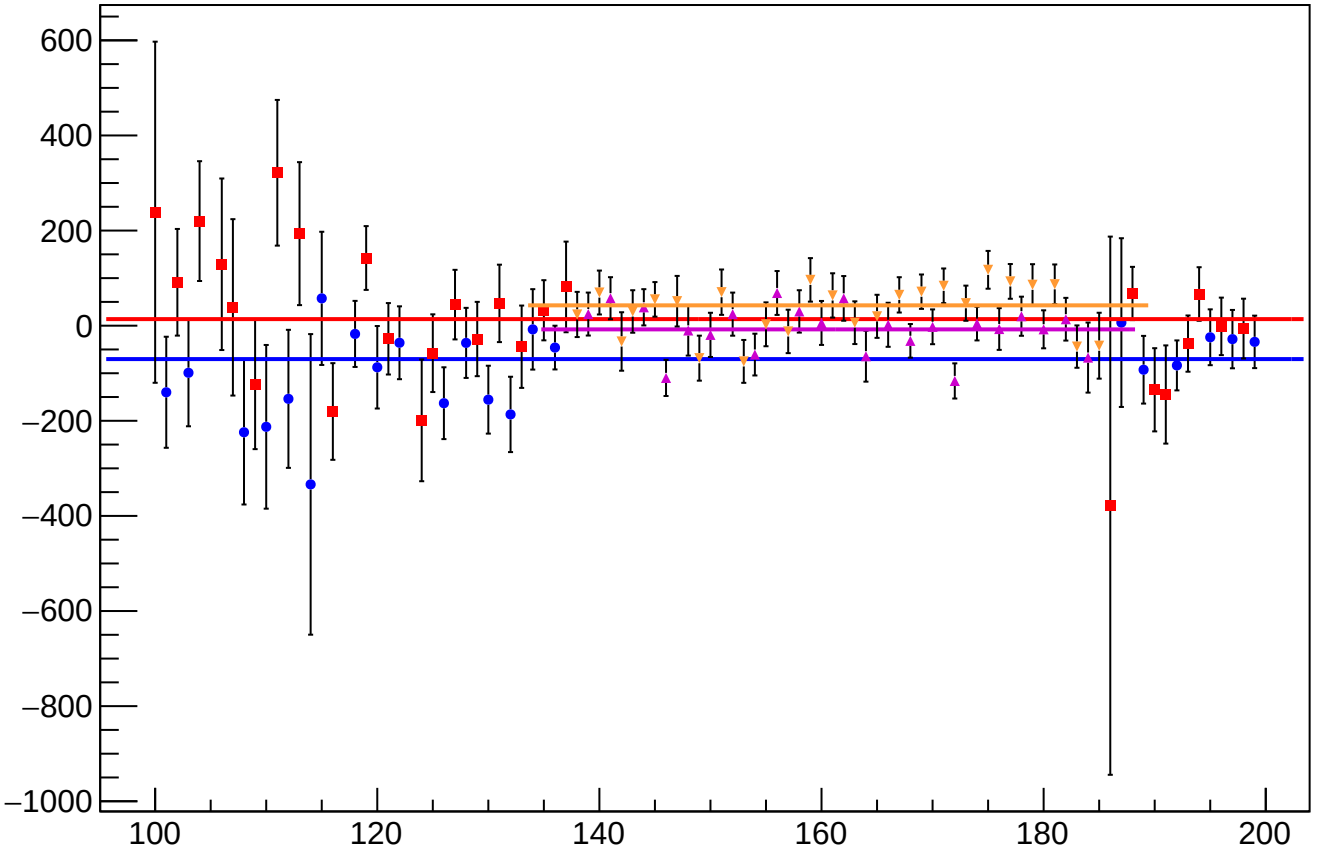
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12330483.0/46

All: 0.000+/-0.000 χ^2/NDF: 26243513.3/96

- sign 0.000+/-0.000 χ^2/NDF: 13854247.4/49

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -70.230+/-16.546 χ^2/NDF: 12.8/21

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 13.823+/-16.378 χ^2/NDF: 31.7/26

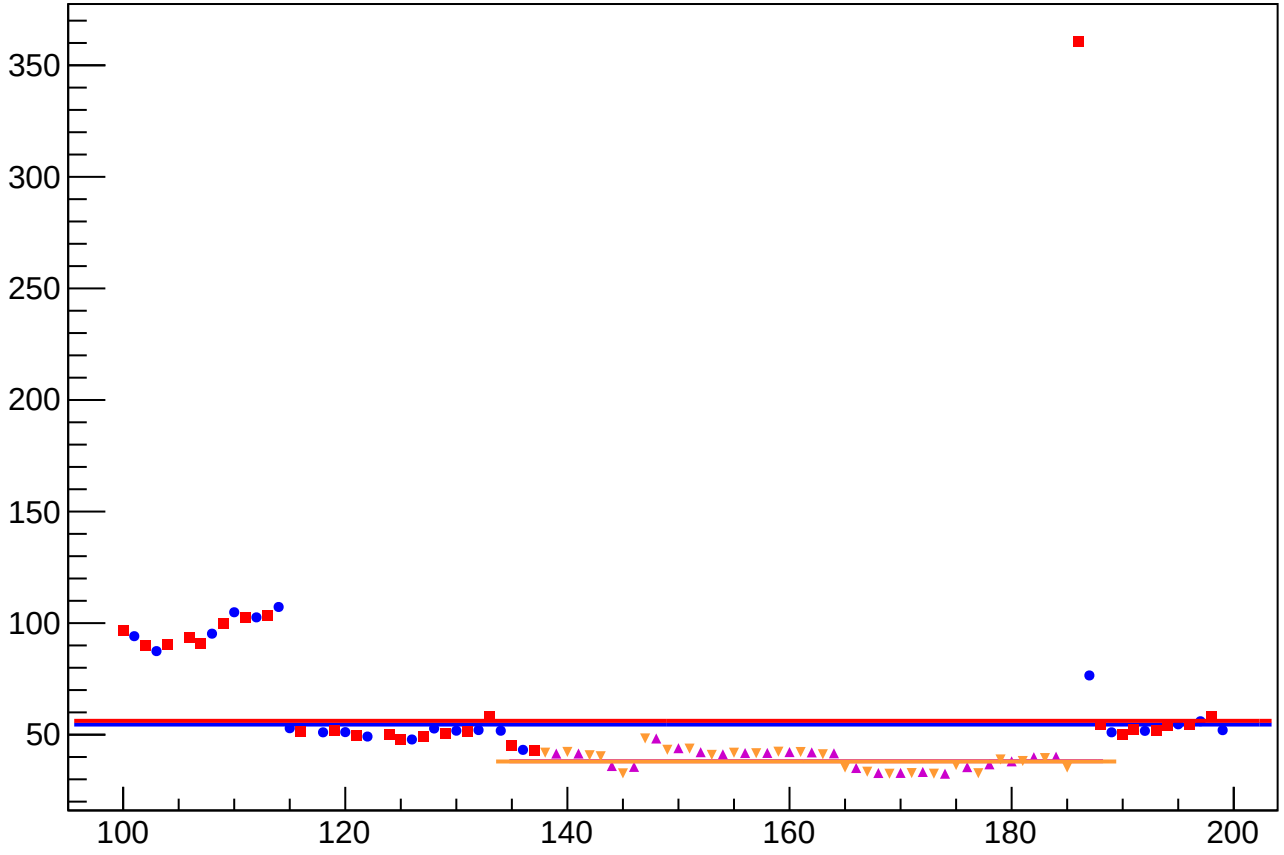
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 18.300+/-7.699 χ^2/NDF: 84.1/46

All: 7.985+/-5.504 χ^2/NDF: 151.4/96

- sign -2.794+/-7.870 χ^2/NDF: 63.7/49

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 54.547+/-0.012 χ^2/NDF: 1201072.9/21

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

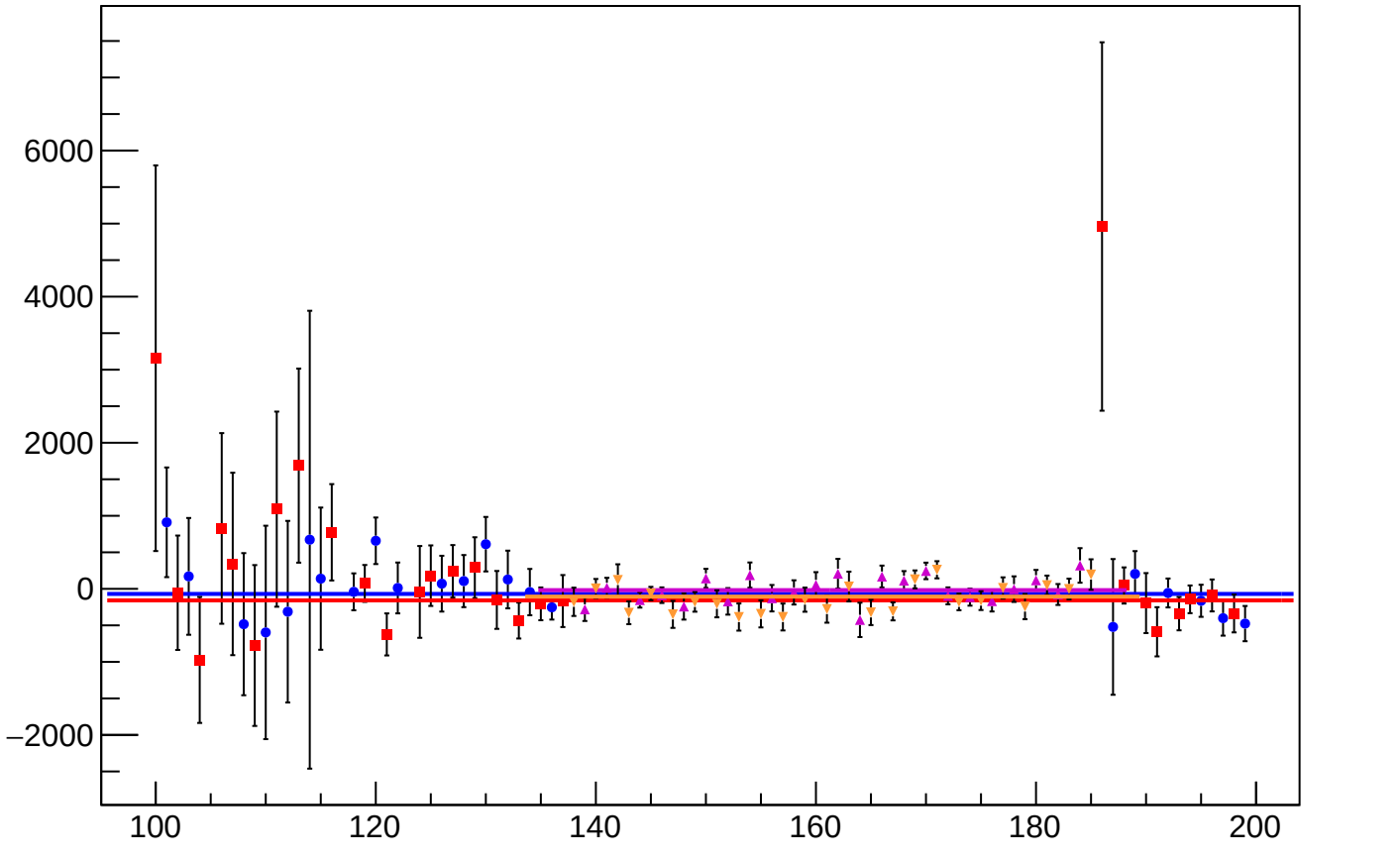
Right Out: 56.210+/-0.012 χ^2/NDF: 1899712.2/26

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.575+/-0.005 χ^2/NDF: 3283692.1/46

All: 41.933+/-0.004 χ^2/NDF: 7494562.7/96

- sign 42.307+/-0.006 χ^2/NDF: 4202014.4/49



Right In: -69.546+/-69.582 χ^2/NDF: 18.6/21

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -157.886+/-66.980 χ^2/NDF: 23.8/26

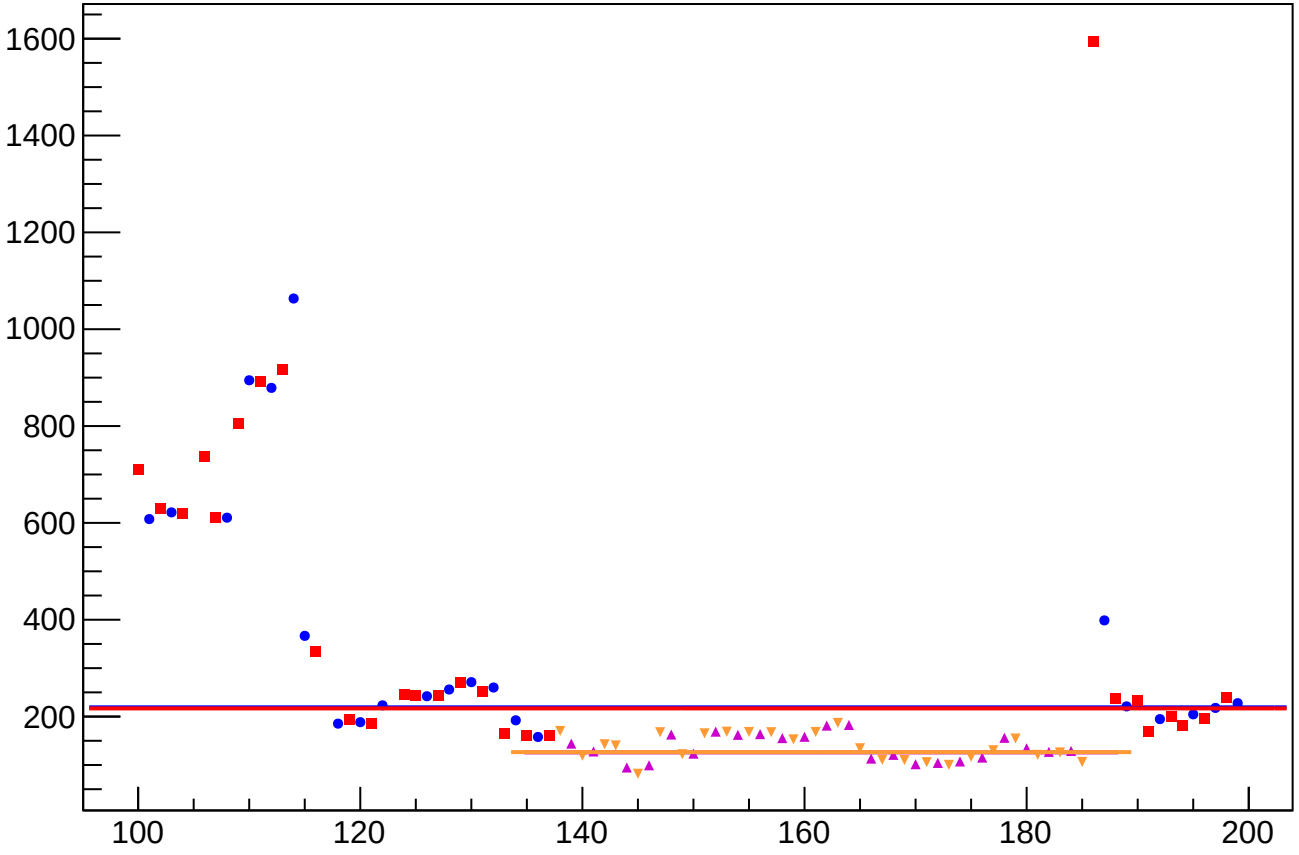
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -100.855+/-27.209 χ^2/NDF: 56.5/46

All: -71.372+/-19.349 χ^2/NDF: 114.6/96

- sign -41.212+/-27.520 χ^2/NDF: 55.7/49

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 219.091+/-0.049 χ^2/NDF: 3089874.2/21

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 216.870+/-0.047 χ^2/NDF: 4427774.0/26

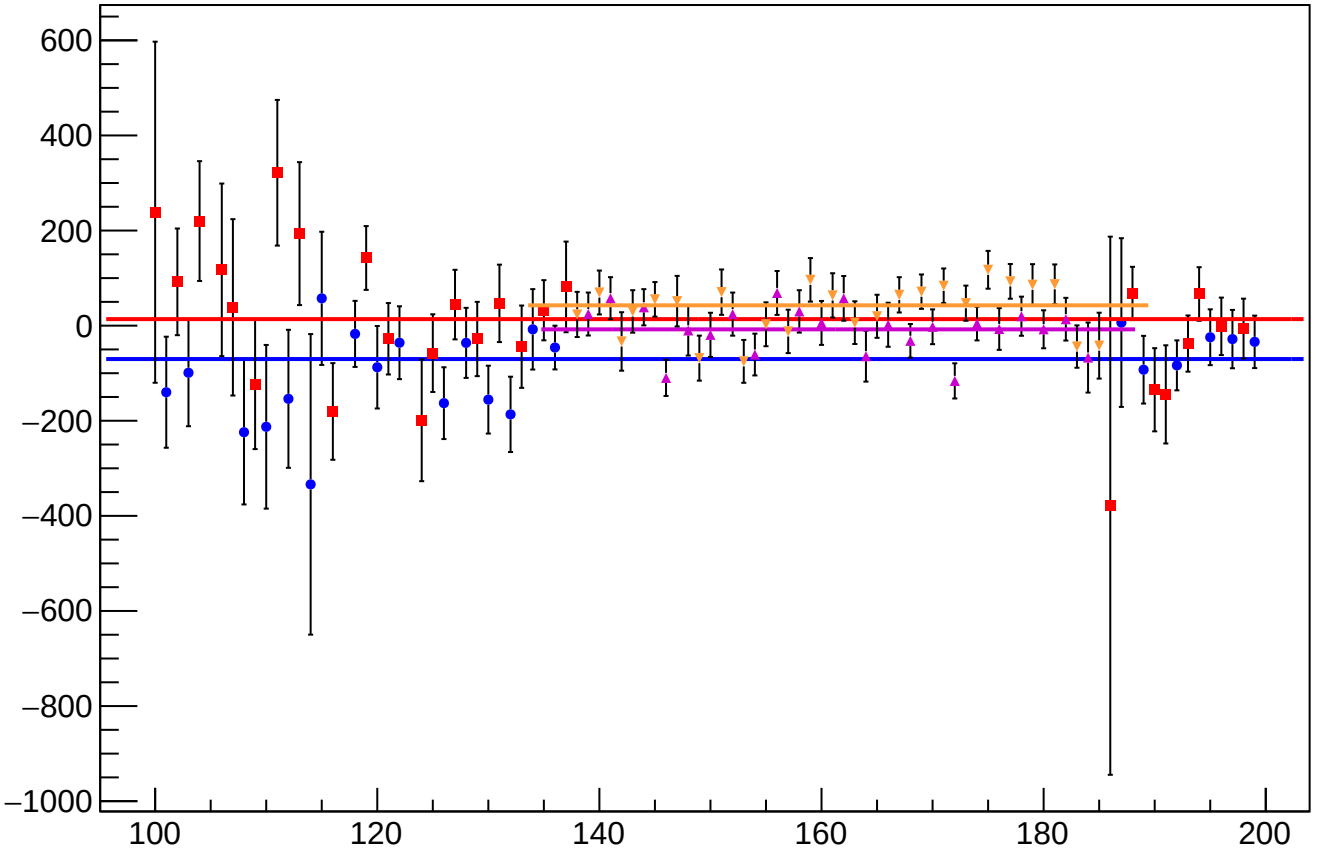
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 140.710+/-0.019 χ^2/NDF: 7843953.7/46

All: 141.027+/-0.014 χ^2/NDF: 16741736.1/96

- sign 141.351+/-0.019 χ^2/NDF: 8897233.4/49

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -70.227+/-16.546 χ^2/NDF: 12.8/21

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 13.737+/-16.379 χ^2/NDF: 31.7/26

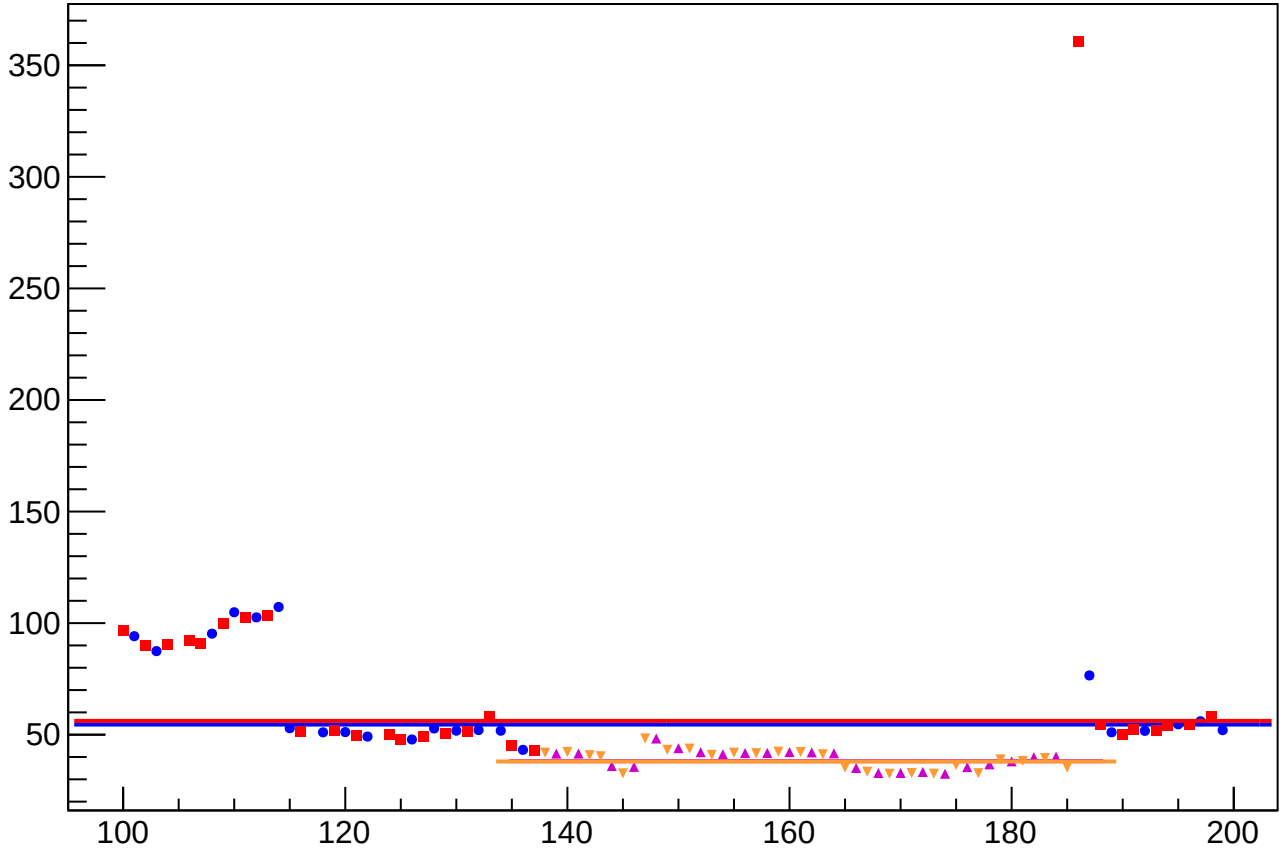
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 18.302+/-7.699 χ^2/NDF: 84.1/46

All: 7.976+/-5.504 χ^2/NDF: 151.4/96

- sign -2.815+/-7.870 χ^2/NDF: 63.6/49

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.547+/-0.012 χ^2/NDF: 1201073.2/21

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

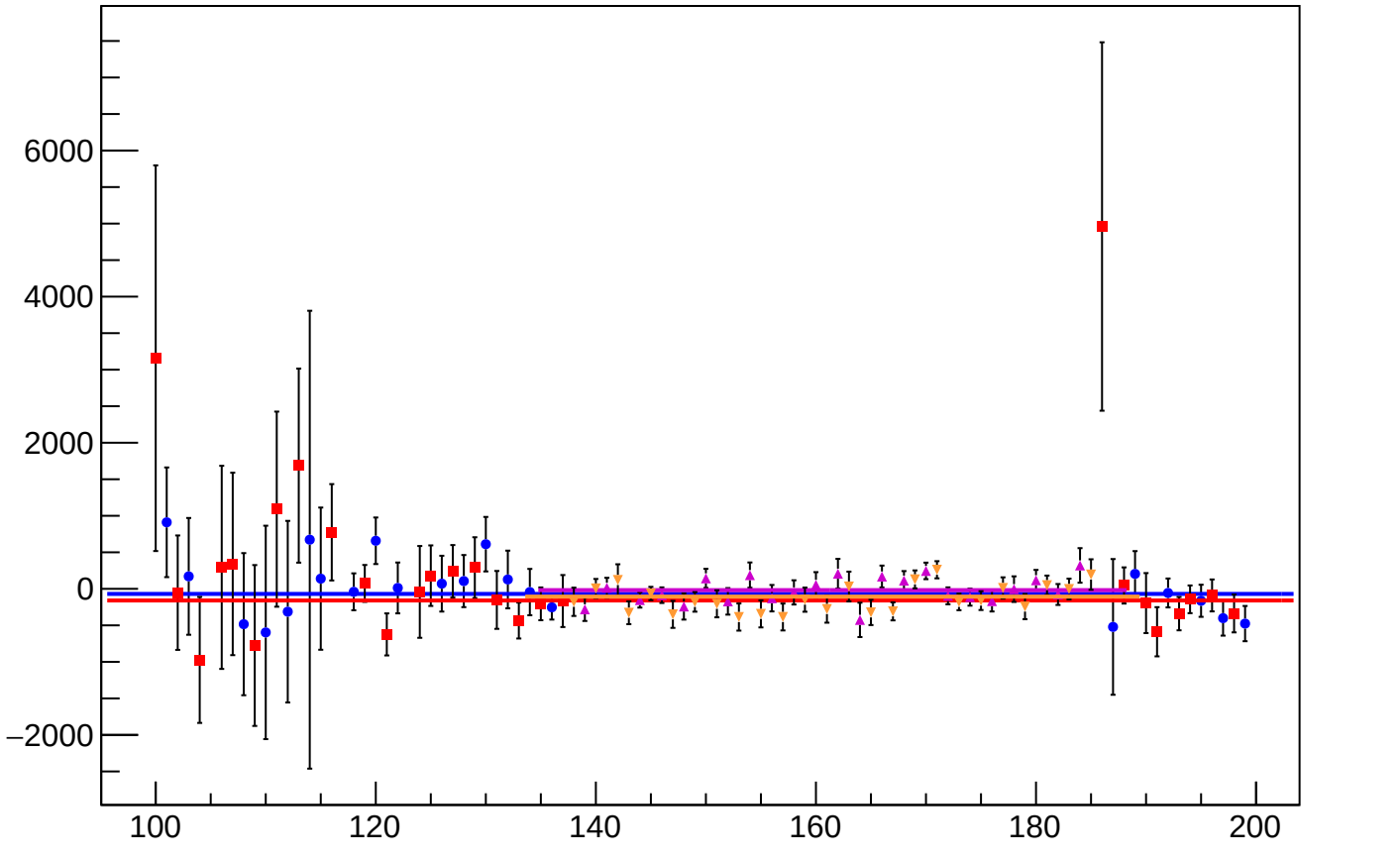
Right Out: 56.194+/-0.012 χ^2/NDF: 1891996.3/26

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.575+/-0.005 χ^2/NDF: 3283692.3/46

All: 41.931+/-0.004 χ^2/NDF: 7483272.5/96

- sign 42.303+/-0.006 χ^2/NDF: 4190821.6/49



Right In: -69.544+/-69.582 χ^2/NDF: 18.6/21

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -159.412+/-66.991 χ^2/NDF: 23.4/26

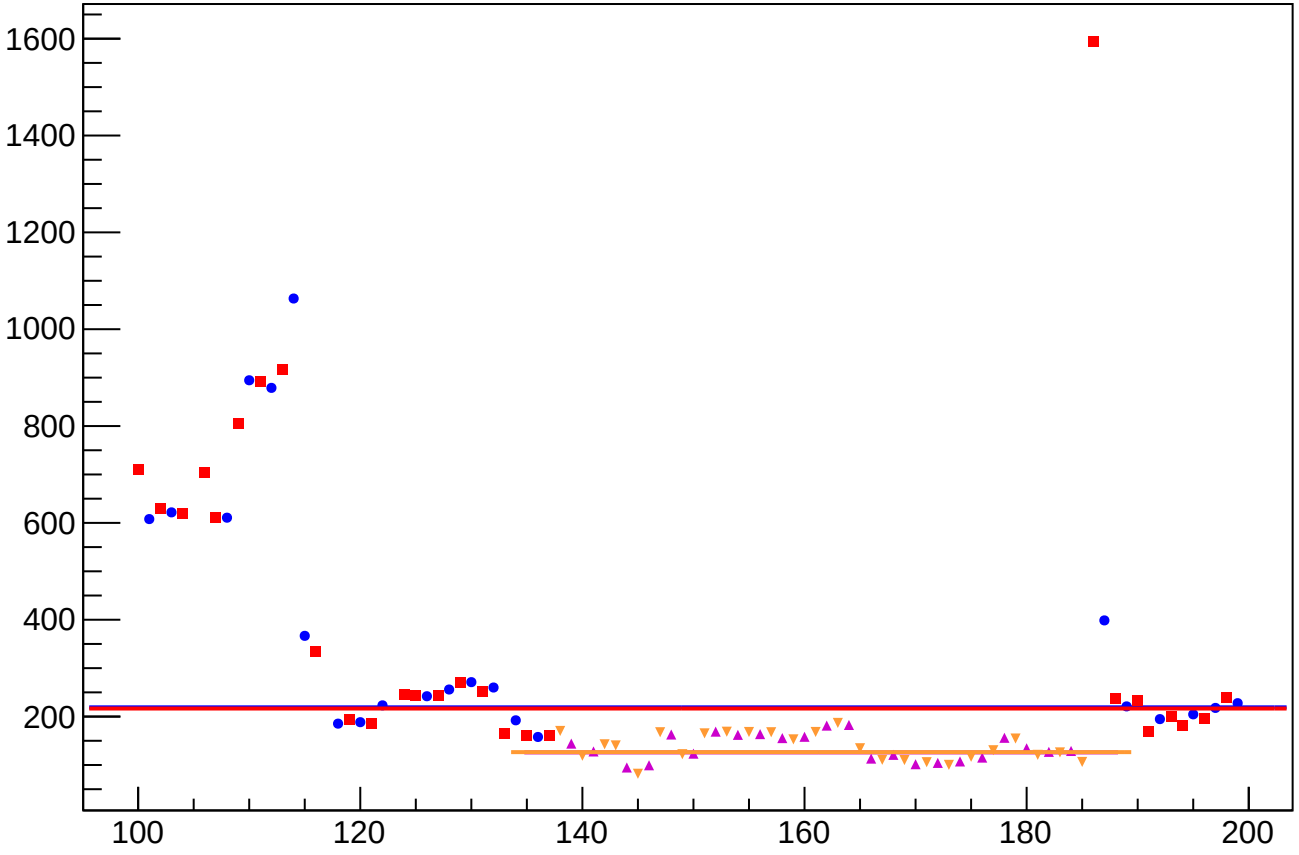
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -100.853+/-27.209 χ^2/NDF: 56.5/46

All: -71.497+/-19.349 χ^2/NDF: 114.2/96

- sign -41.464+/-27.521 χ^2/NDF: 55.3/49

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 219.091+/-0.049 χ^2/NDF: 3089879.1/21

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 216.633+/-0.047 χ^2/NDF: 4356886.6/26

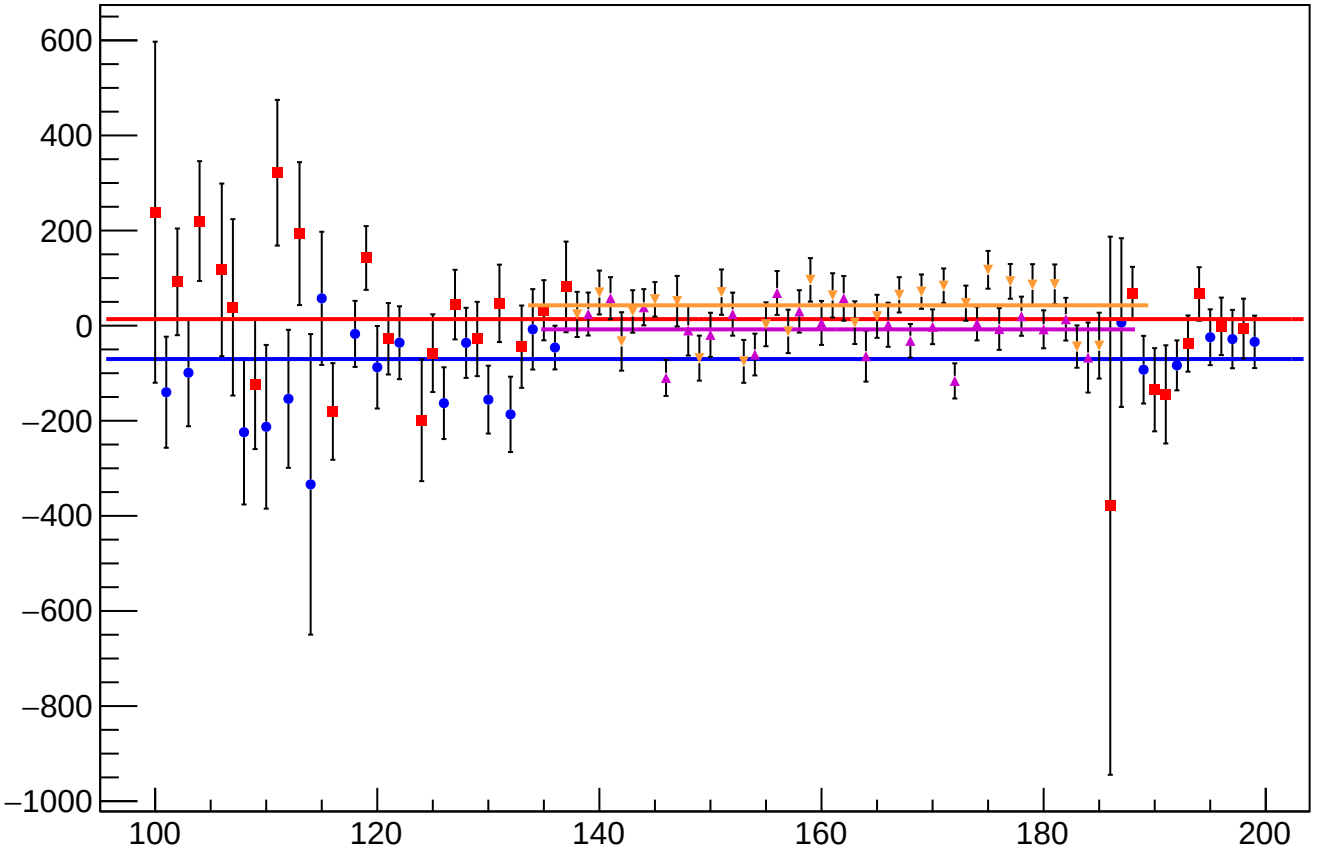
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 140.710+/-0.019 χ^2/NDF: 7843948.6/46

All: 141.005+/-0.014 χ^2/NDF: 16653989.6/96

- sign 141.307+/-0.019 χ^2/NDF: 8809565.3/49

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -70.227+/-16.546 χ^2/NDF: 12.8/21

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 13.737+/-16.379 χ^2/NDF: 31.7/26

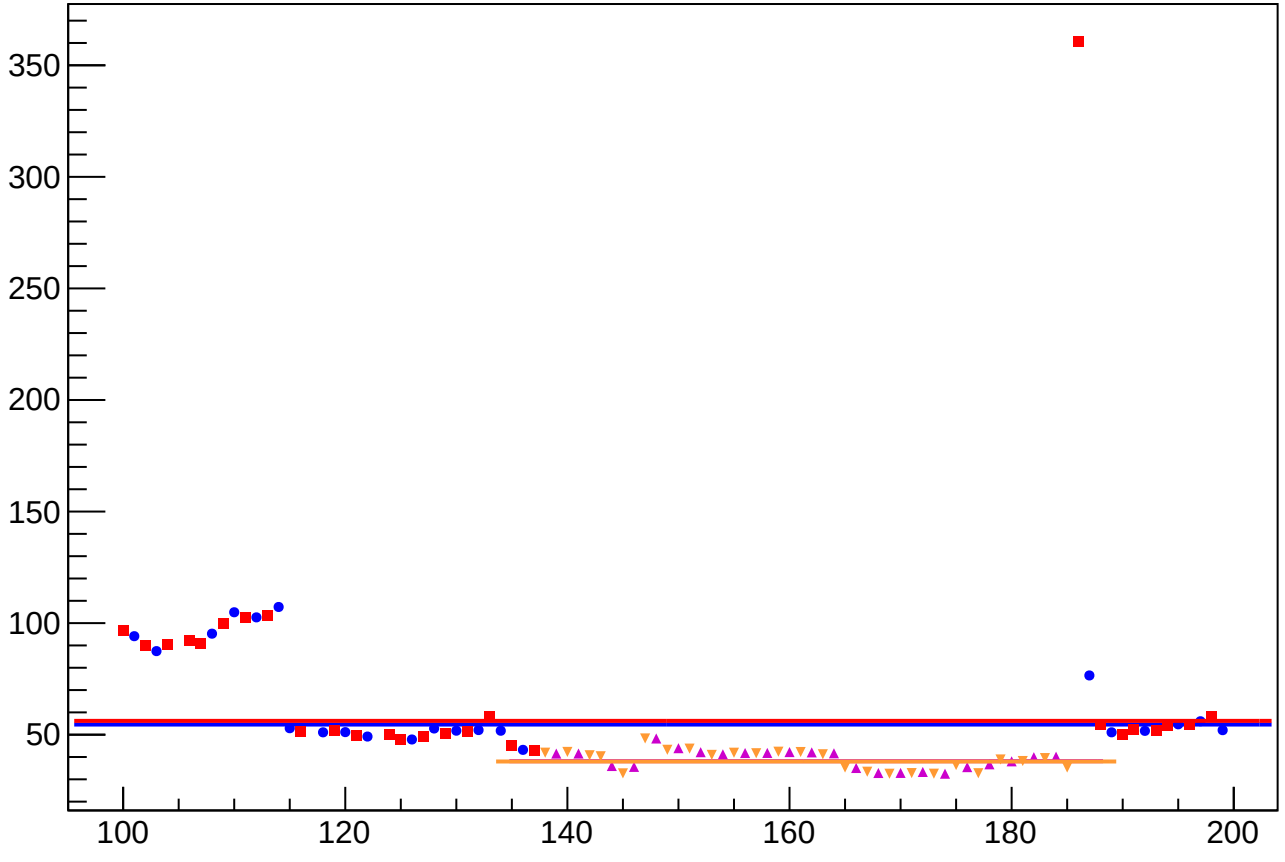
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 18.302+/-7.699 χ^2/NDF: 84.1/46

All: 7.976+/-5.504 χ^2/NDF: 151.4/96

- sign -2.815+/-7.870 χ^2/NDF: 63.6/49

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.547+/-0.012 χ^2/NDF: 1201073.2/21

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

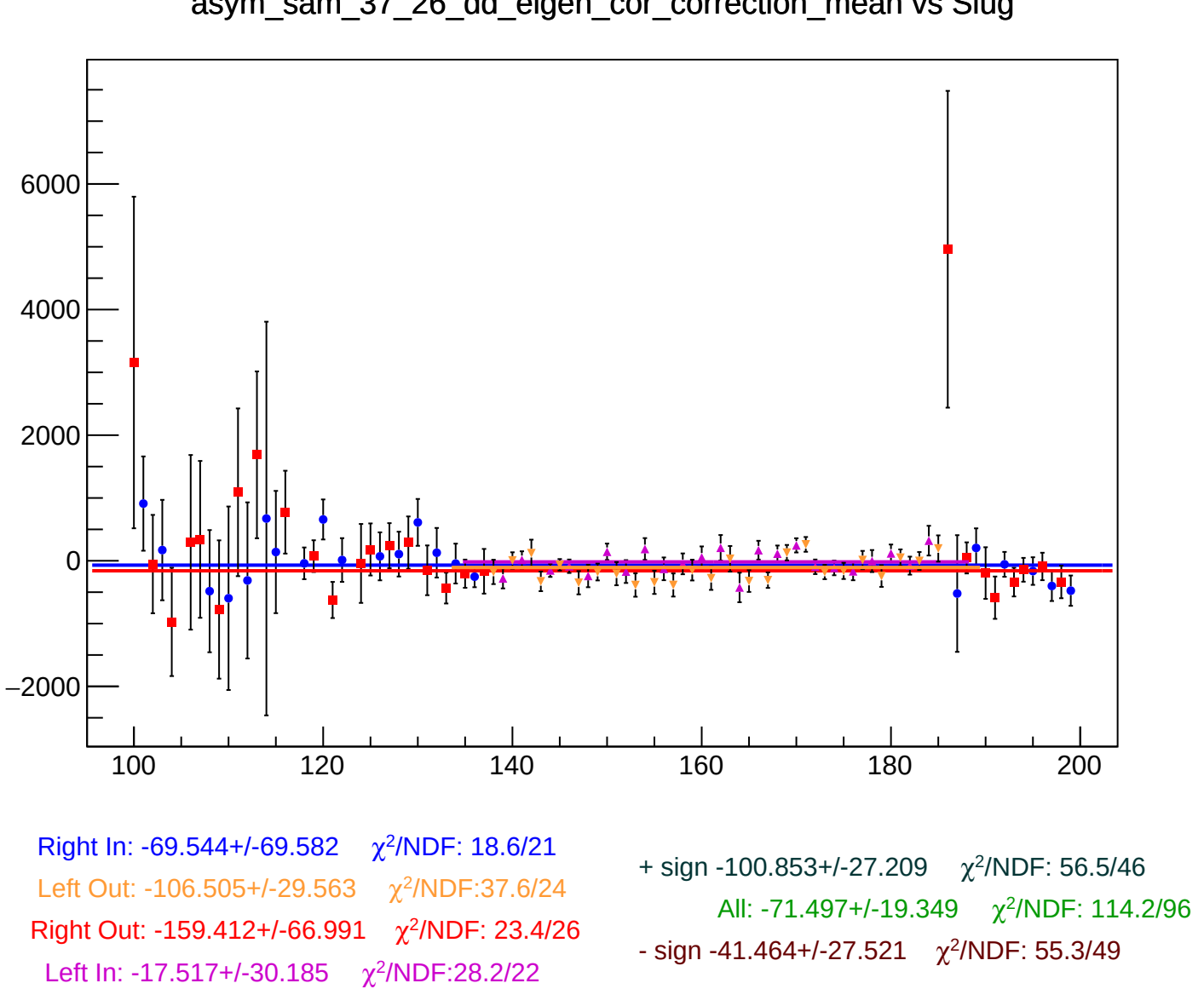
Right Out: 56.194+/-0.012 χ^2/NDF: 1891996.3/26

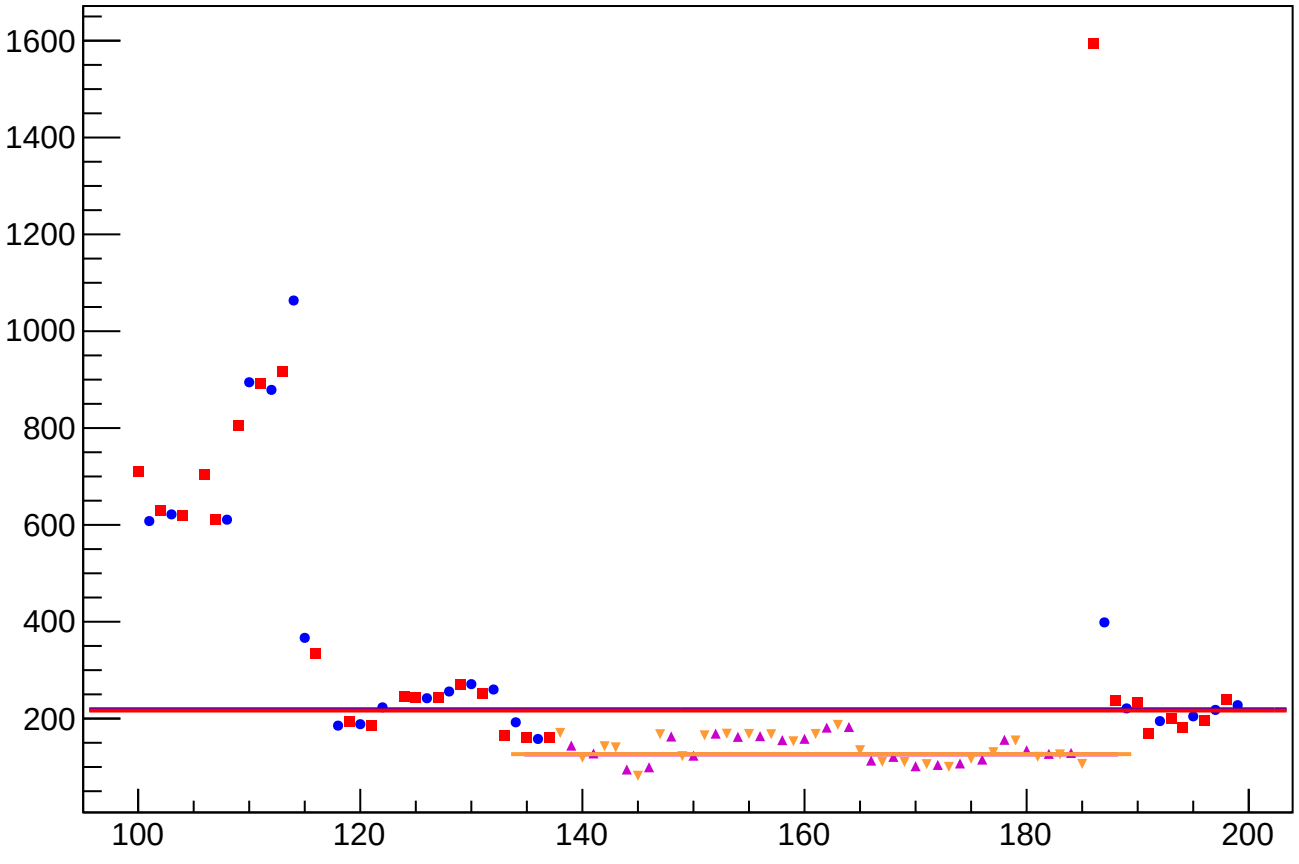
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.575+/-0.005 χ^2/NDF: 3283692.3/46

All: 41.931+/-0.004 χ^2/NDF: 7483272.5/96

- sign 42.303+/-0.006 χ^2/NDF: 4190821.6/49


asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -69.544+/-69.582 χ²/NDF: 18.6/21
Left Out: -106.505+/-29.563 χ²/NDF:37.6/24
Right Out: -159.412+/-66.991 χ²/NDF: 23.4/26
Left In: -17.517+/-30.185 χ²/NDF:28.2/22
+ sign -100.853+/-27.209 χ²/NDF: 56.5/46
All: -71.497+/-19.349 χ²/NDF: 114.2/96
- sign -41.464+/-27.521 χ²/NDF: 55.3/49



Right In: 219.091+/-0.049 χ^2/NDF: 3089879.1/21

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 216.633+/-0.047 χ^2/NDF: 4356886.6/26

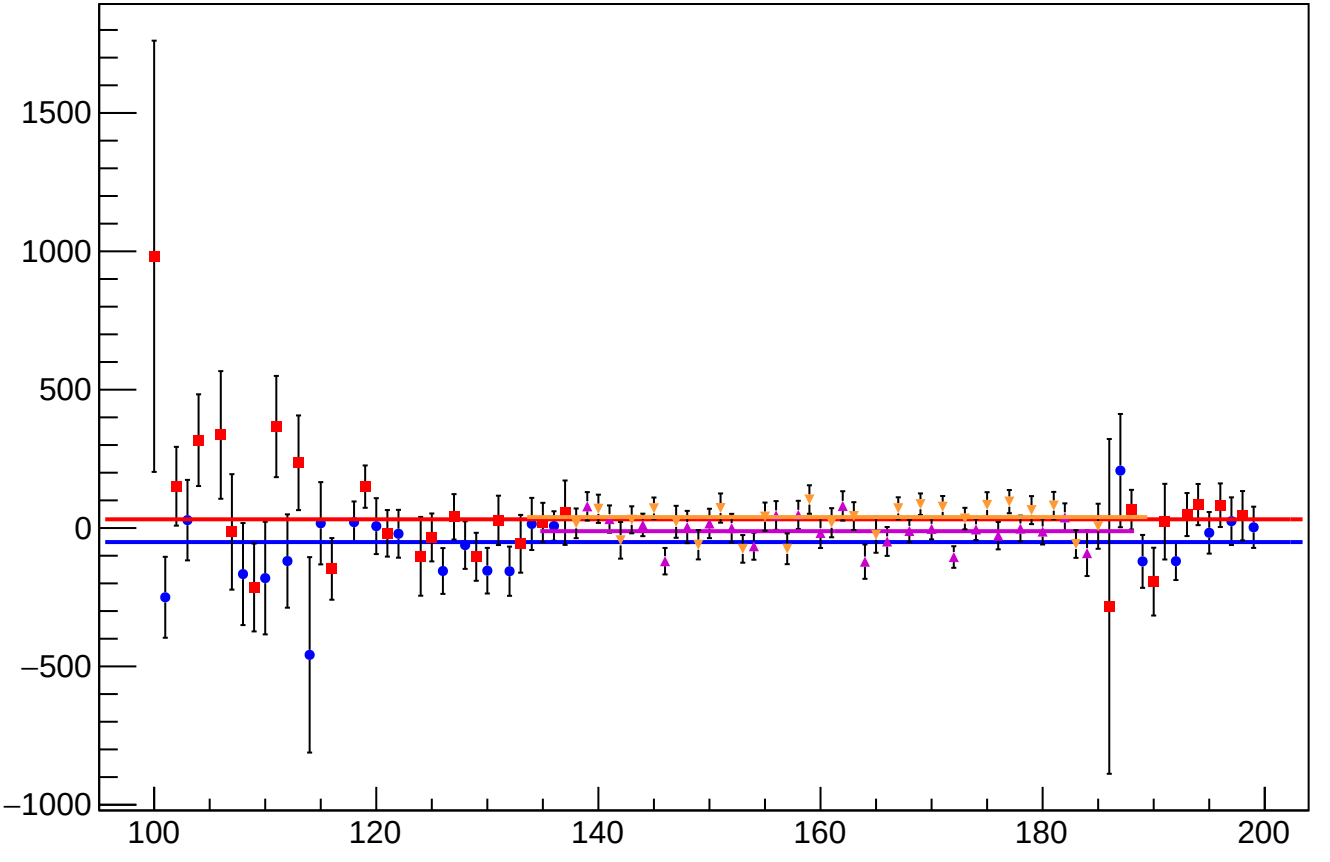
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 140.710+/-0.019 χ^2/NDF: 7843948.6/46

All: 141.005+/-0.014 χ^2/NDF: 16653989.6/96

- sign 141.307+/-0.019 χ^2/NDF: 8809565.3/49

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -50.709+/-19.972 χ^2/NDF: 16.9/21

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 31.559+/-19.882 χ^2/NDF: 29.1/26

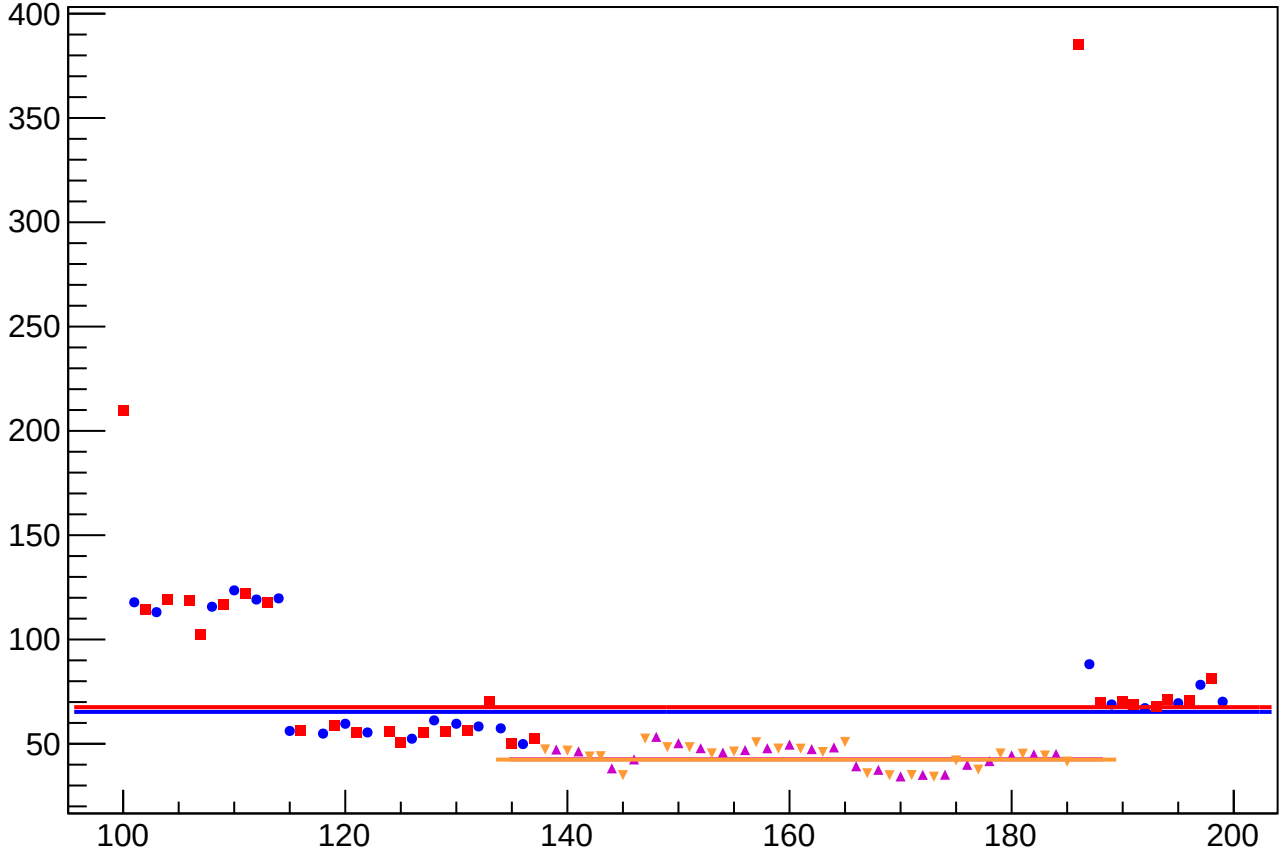
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.204+/-8.758 χ^2/NDF: 63.0/46

All: 10.150+/-6.273 χ^2/NDF: 127.6/96

- sign -2.545+/-8.988 χ^2/NDF: 60.7/49

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 65.290+/-0.014 χ^2/NDF: 1464119.8/21

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 67.564+/-0.014 χ^2/NDF: 2228328.8/26

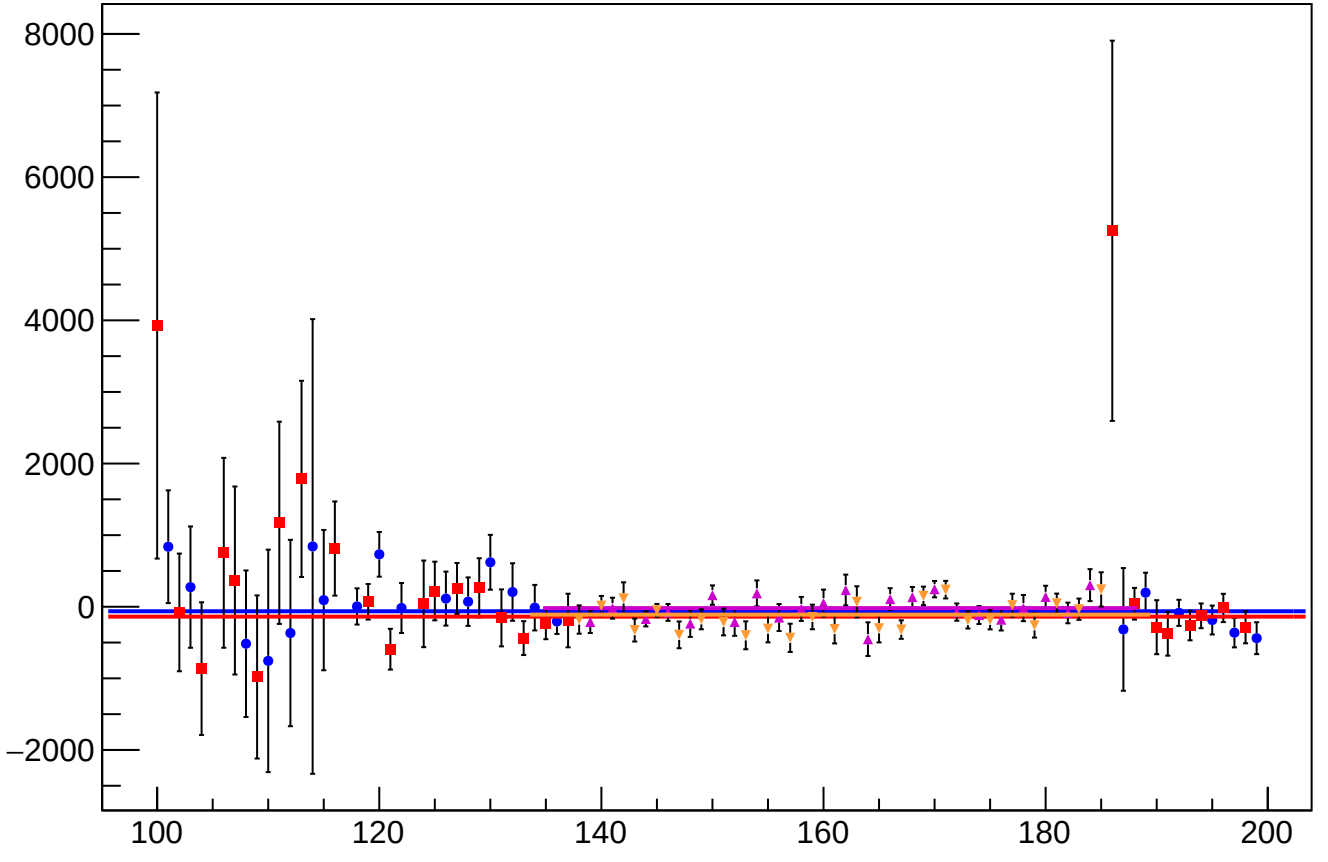
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 46.823+/-0.006 χ^2/NDF: 4279885.1/46

All: 47.243+/-0.004 χ^2/NDF: 9620400.1/96

- sign 47.685+/-0.006 χ^2/NDF: 5331067.4/49

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -62.938+/-66.715 χ^2/NDF: 19.6/21

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -138.057+/-62.932 χ^2/NDF: 23.1/26

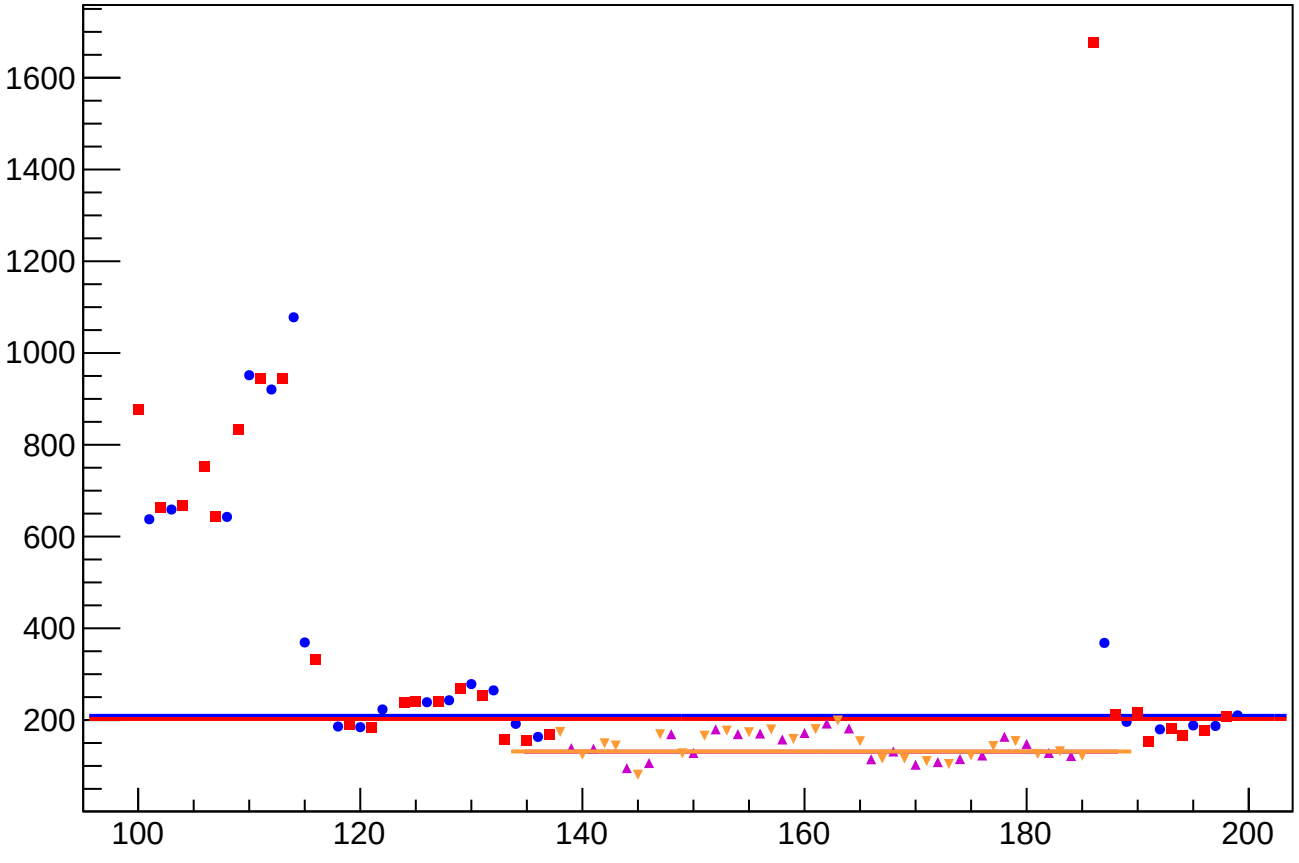
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -101.642+/-27.933 χ^2/NDF: 56.3/46

All: -72.398+/-19.828 χ^2/NDF: 111.7/96

- sign -42.694+/-28.152 χ^2/NDF: 53.2/49

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 209.135+/-0.047 χ^2/NDF: 3256186.8/21

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 202.393+/-0.044 χ^2/NDF: 4754892.1/26

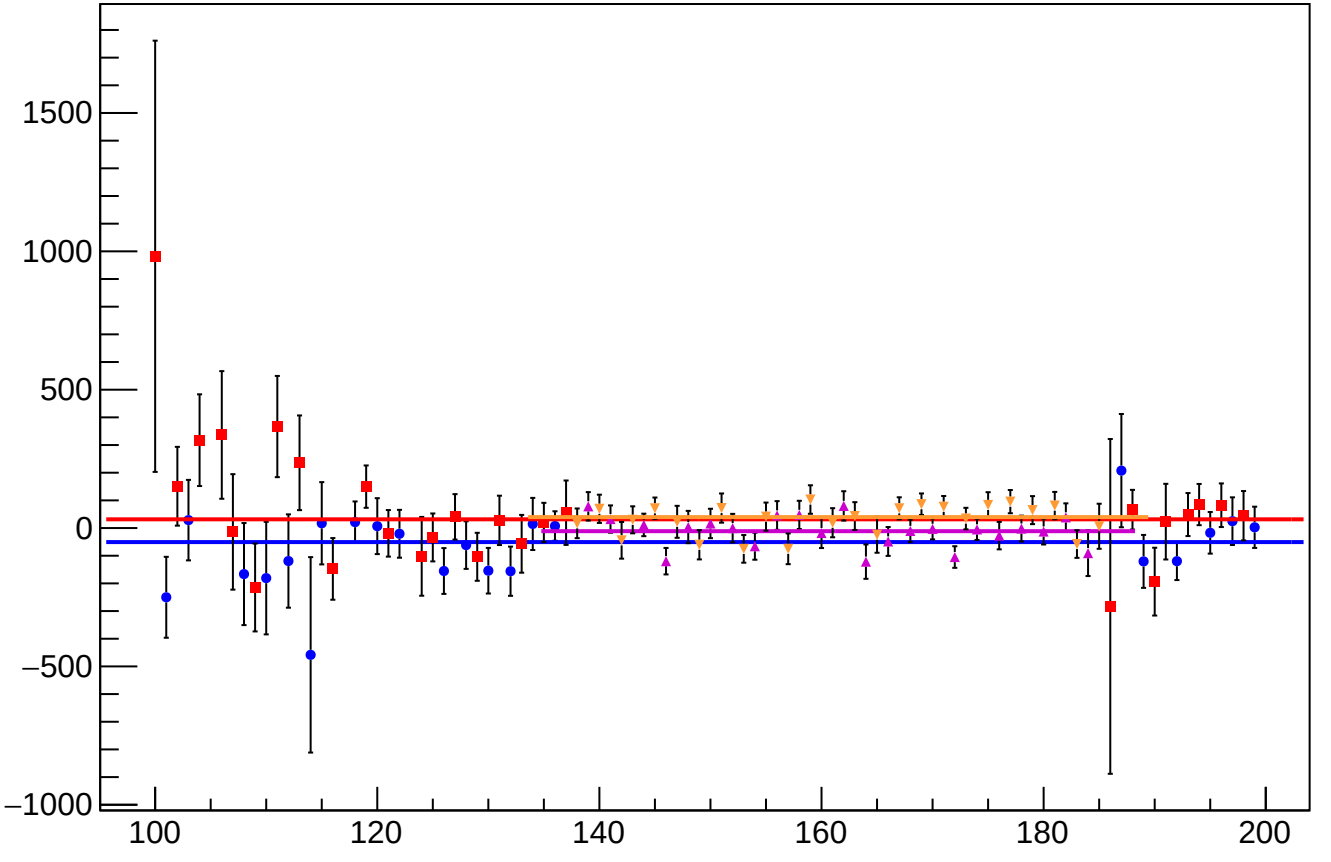
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 145.122+/-0.020 χ^2/NDF: 7391797.5/46

All: 145.233+/-0.014 χ^2/NDF: 15669151.0/96

- sign 145.345+/-0.020 χ^2/NDF: 8277290.0/49

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -50.710+/-19.972 χ^2/NDF: 16.9/21

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 31.560+/-19.882 χ^2/NDF: 29.1/26

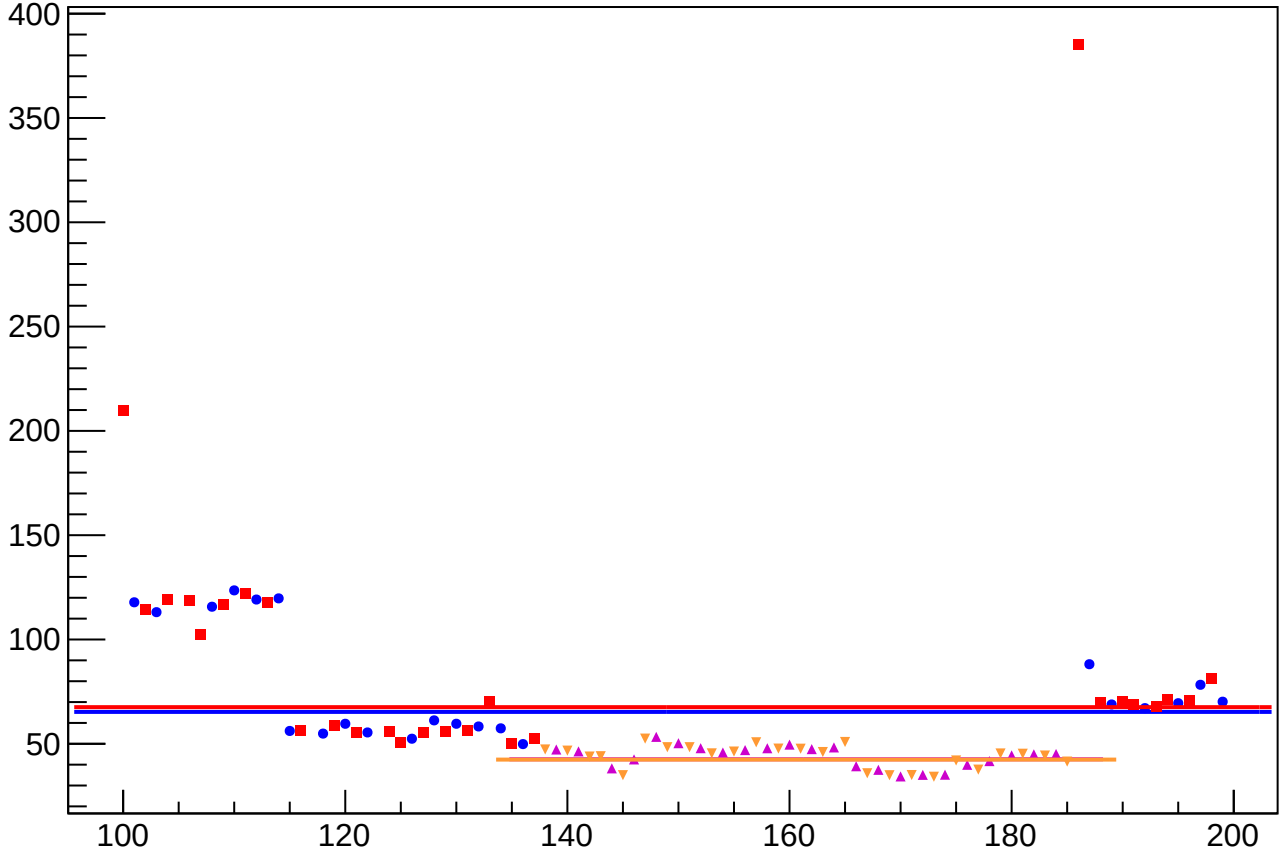
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.204+/-8.758 χ^2/NDF: 63.0/46

All: 10.151+/-6.273 χ^2/NDF: 127.6/96

- sign -2.545+/-8.989 χ^2/NDF: 60.7/49

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 65.290+/-0.014 χ^2/NDF: 1464124.4/21

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

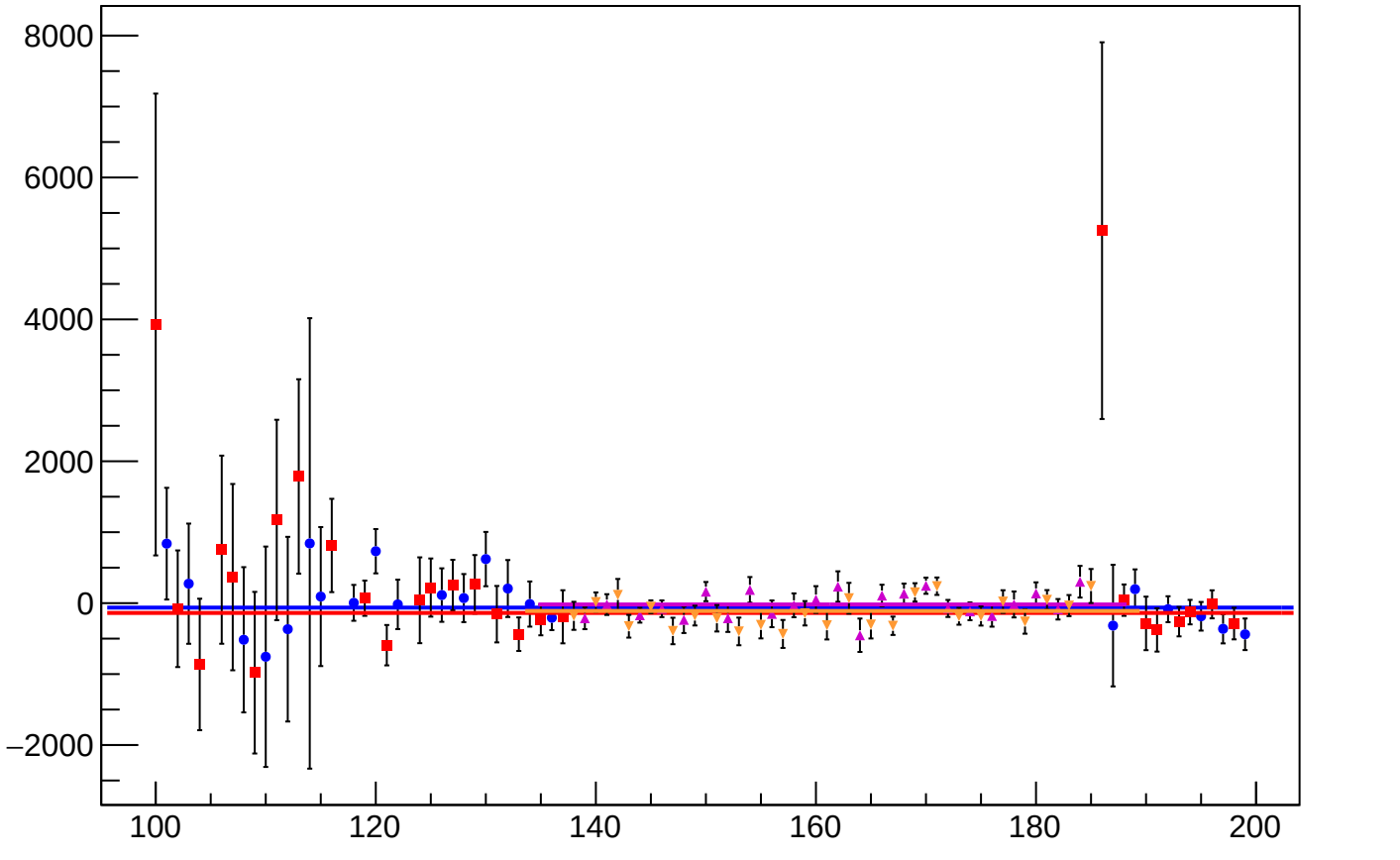
Right Out: 67.564+/-0.014 χ^2/NDF: 2228326.2/26

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 46.823+/-0.006 χ^2/NDF: 4279889.3/46

All: 47.243+/-0.004 χ^2/NDF: 9620397.6/96

- sign 47.686+/-0.006 χ^2/NDF: 5331058.6/49



Right In: -62.937+/-66.715 χ^2/NDF: 19.6/21

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -138.056+/-62.932 χ^2/NDF: 23.1/26

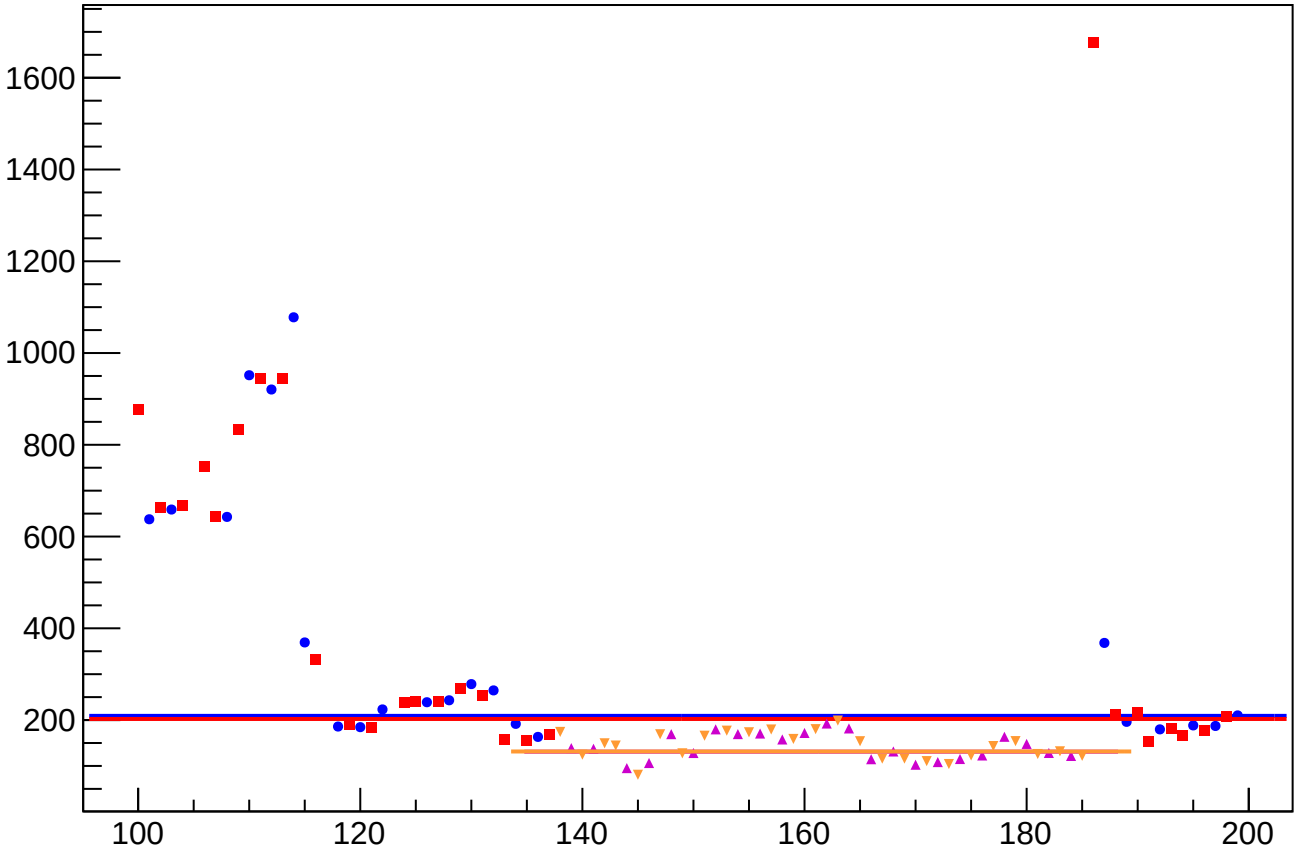
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -101.642+/-27.933 χ^2/NDF: 56.3/46

All: -72.398+/-19.828 χ^2/NDF: 111.7/96

- sign -42.694+/-28.152 χ^2/NDF: 53.2/49

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug



Right In: 209.134+/-0.047 χ^2/NDF: 3256182.2/21

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 202.392+/-0.044 χ^2/NDF: 4754891.9/26

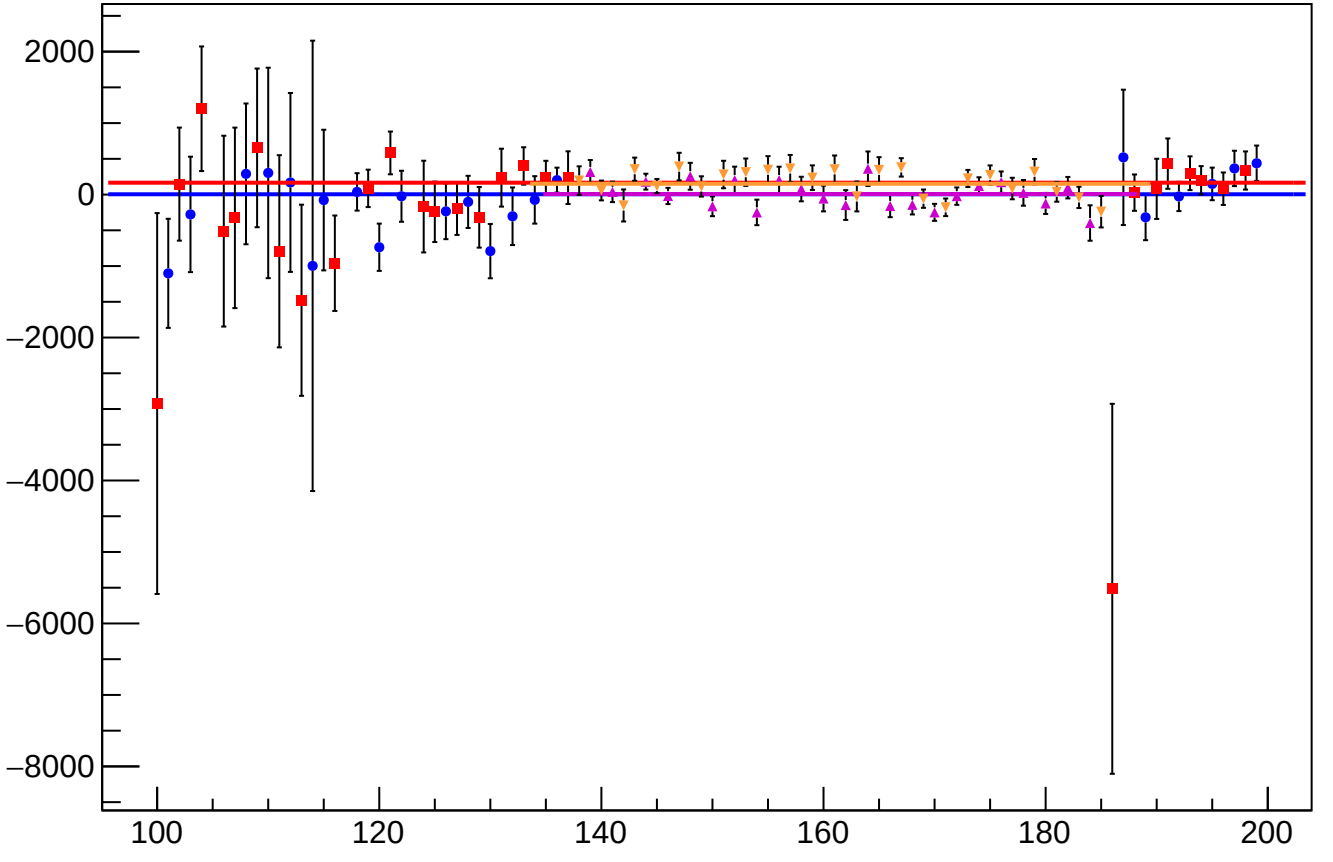
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 145.122+/-0.020 χ^2/NDF: 7391745.6/46

All: 145.233+/-0.014 χ^2/NDF: 15669070.5/96

- sign 145.345+/-0.020 χ^2/NDF: 8277261.4/49

asym_sam_37_26_dd_mean vs Slug



Right In: 4.327+/-71.820 χ^2/NDF: 21.2/21

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 166.208+/-69.361 χ^2/NDF: 21.3/26

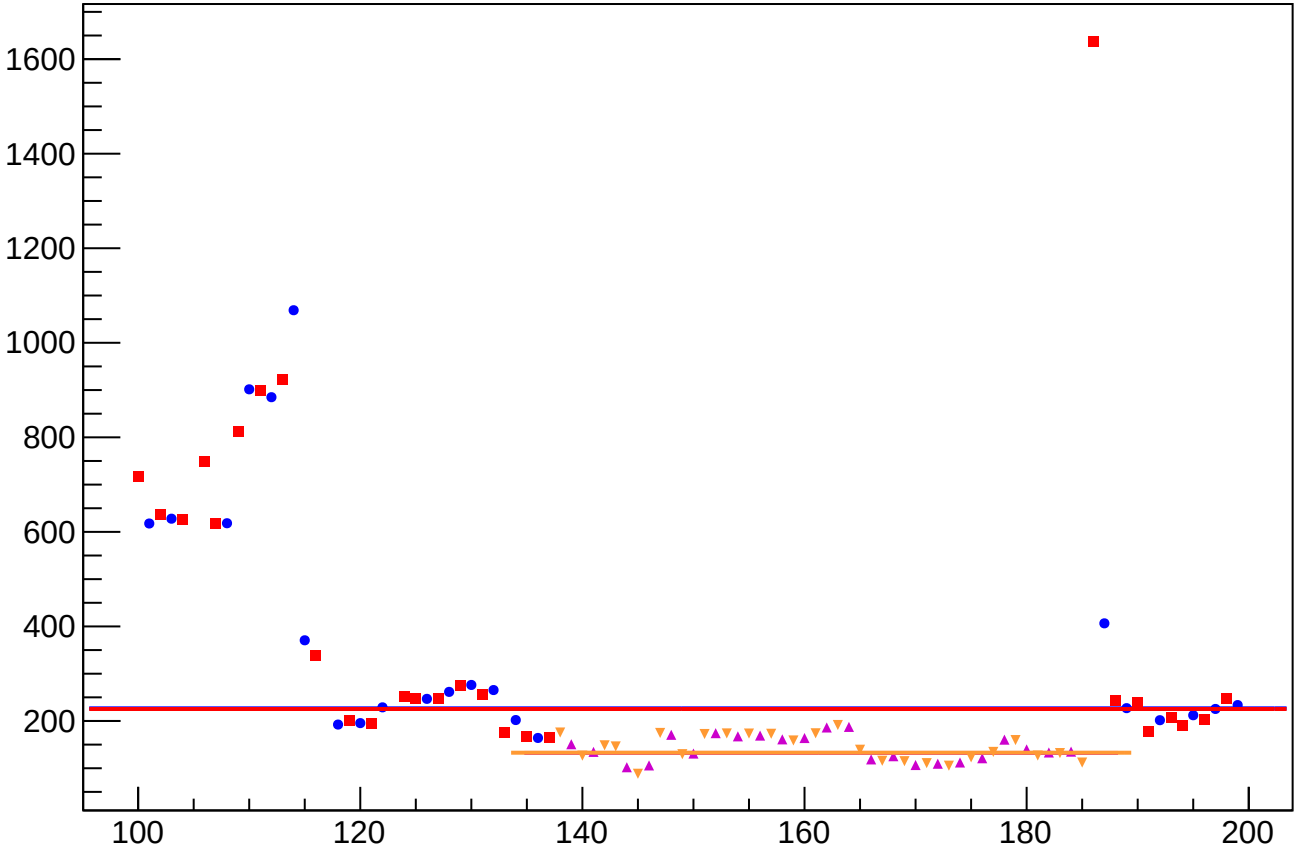
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 128.117+/-28.424 χ^2/NDF: 57.8/46

All: 82.211+/-20.221 χ^2/NDF: 118.2/96

- sign 35.175+/-28.772 χ^2/NDF: 55.1/49

asym_sam_37_26_dd_rms vs Slug



Right In: 226.700+/-0.051 χ^2/NDF: 3003578.6/21

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

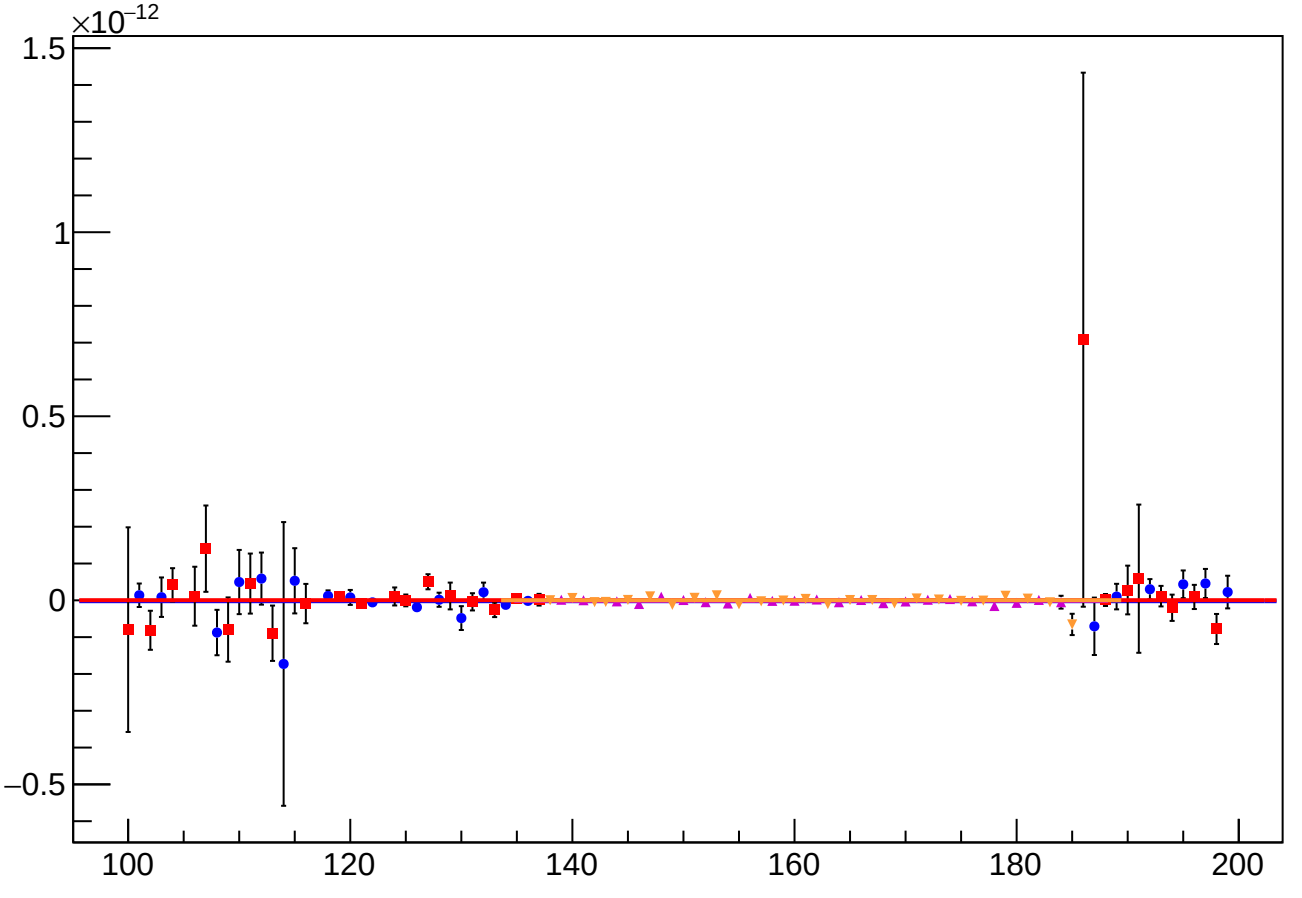
Right Out: 225.346+/-0.049 χ^2/NDF: 4296841.1/26

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 147.572+/-0.020 χ^2/NDF: 7474514.5/46

All: 147.954+/-0.014 χ^2/NDF: 16026985.4/96

- sign 148.345+/-0.020 χ^2/NDF: 8551739.5/49



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

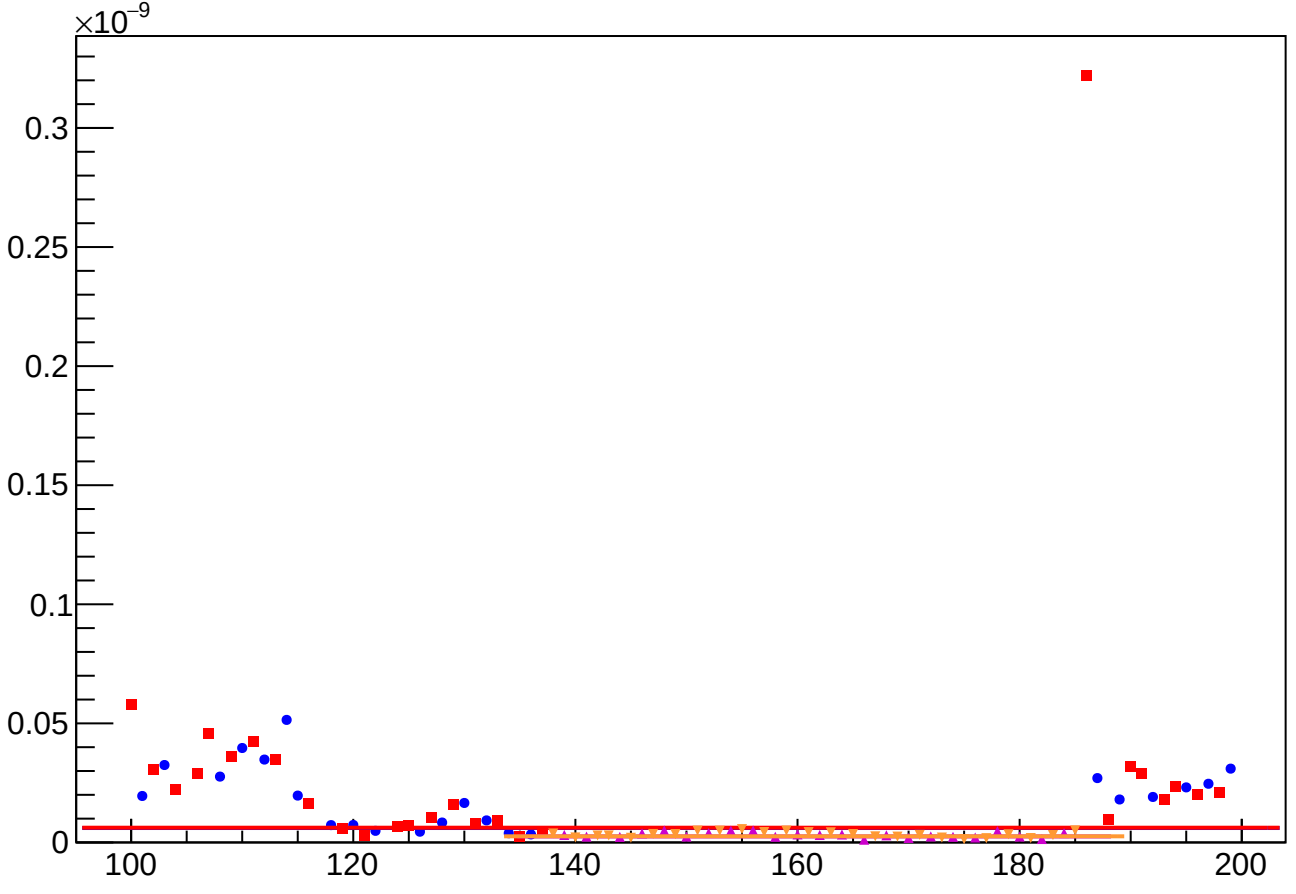
Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/26

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/46

All: -0.000+/-0.000 χ^2/NDF: 89.3/96

- sign -0.000+/-0.000 χ^2/NDF: 38.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 5057013.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

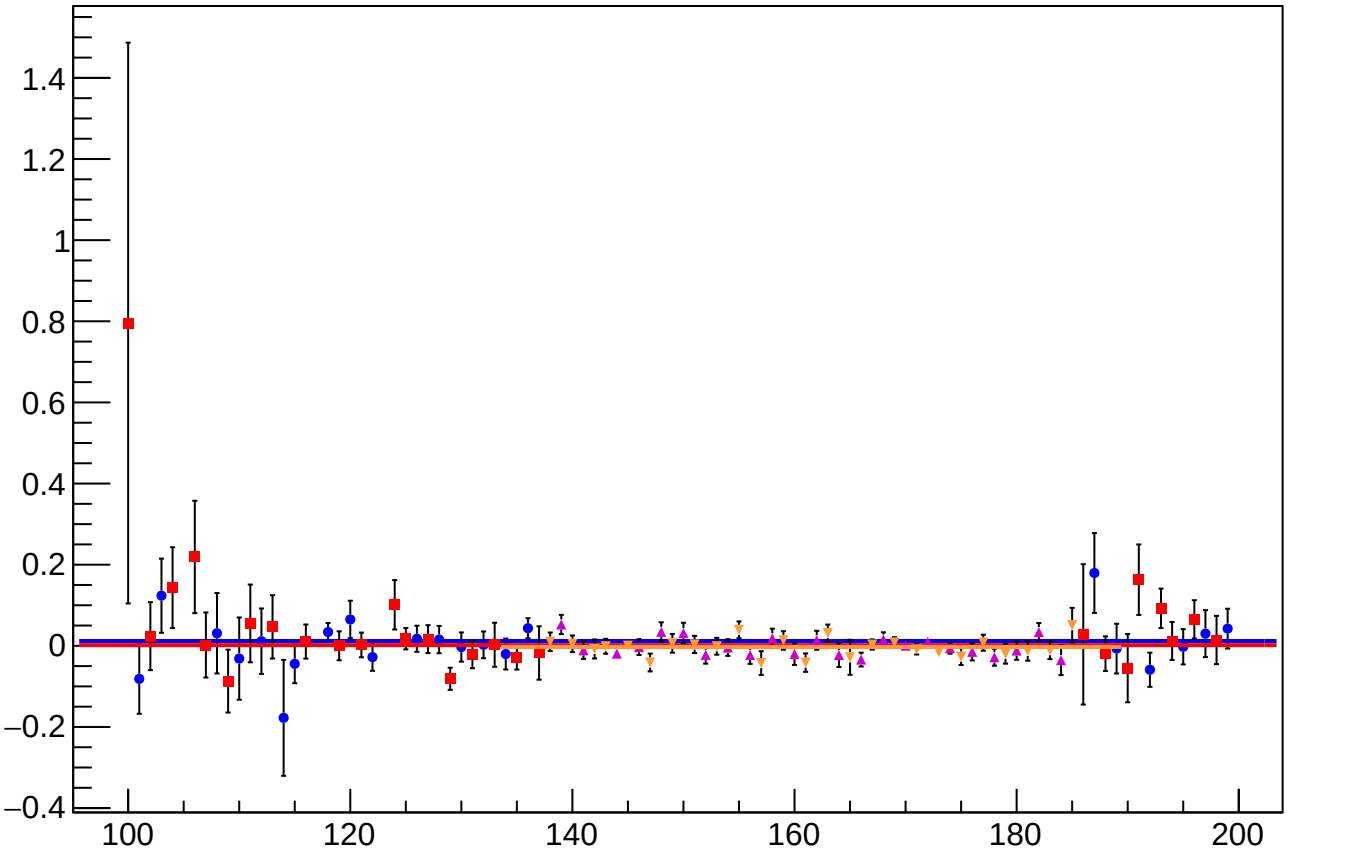
Right Out: 0.000+/-0.000 χ^2/NDF: 5628477.2/26

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8992698.1/46

All: 0.000+/-0.000 χ^2/NDF: 17931140.4/96

- sign 0.000+/-0.000 χ^2/NDF: 8936426.1/49



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.009 χ^2/NDF: 31.6/26

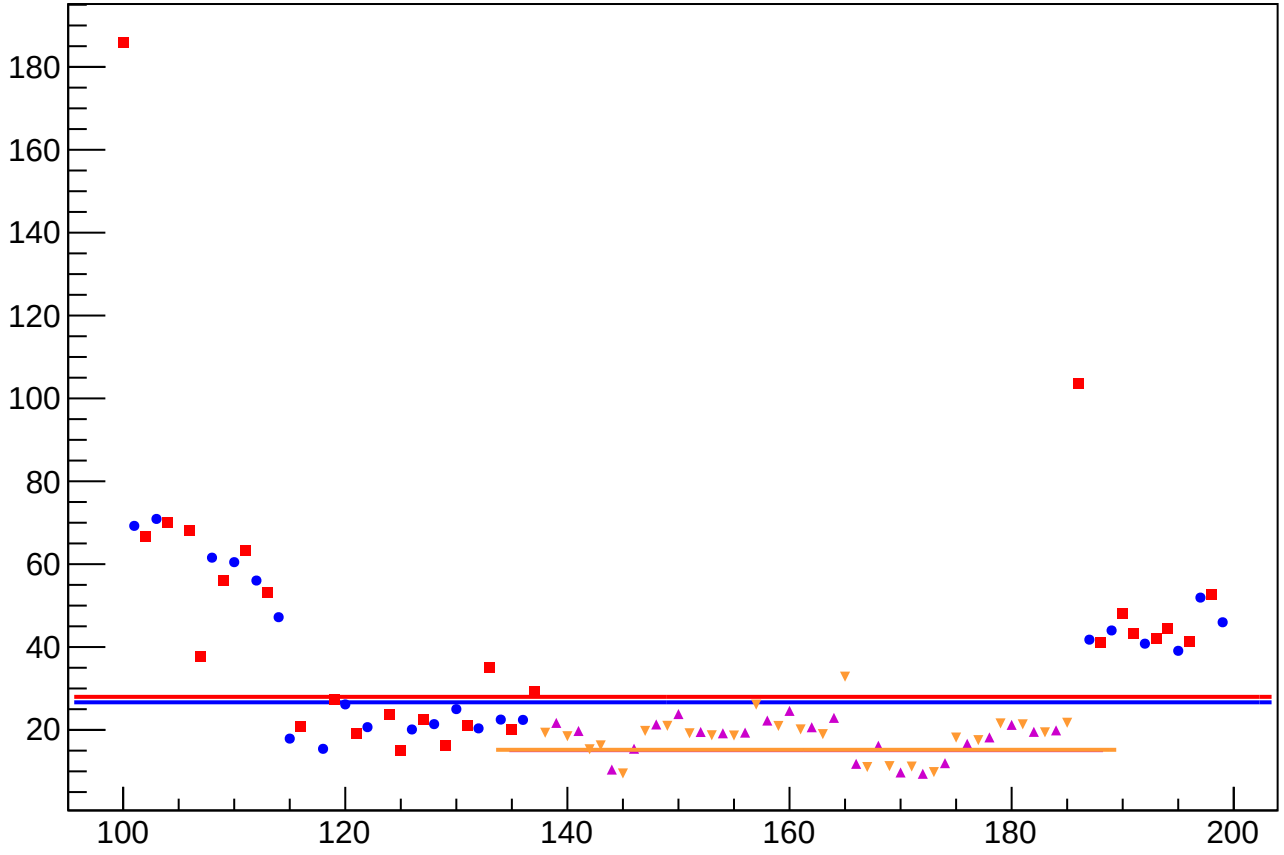
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 43.7/46

All: -0.001+/-0.002 χ^2/NDF: 102.5/96

- 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: 26.660+/-0.006 χ^2/NDF: 3947679.2/21

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

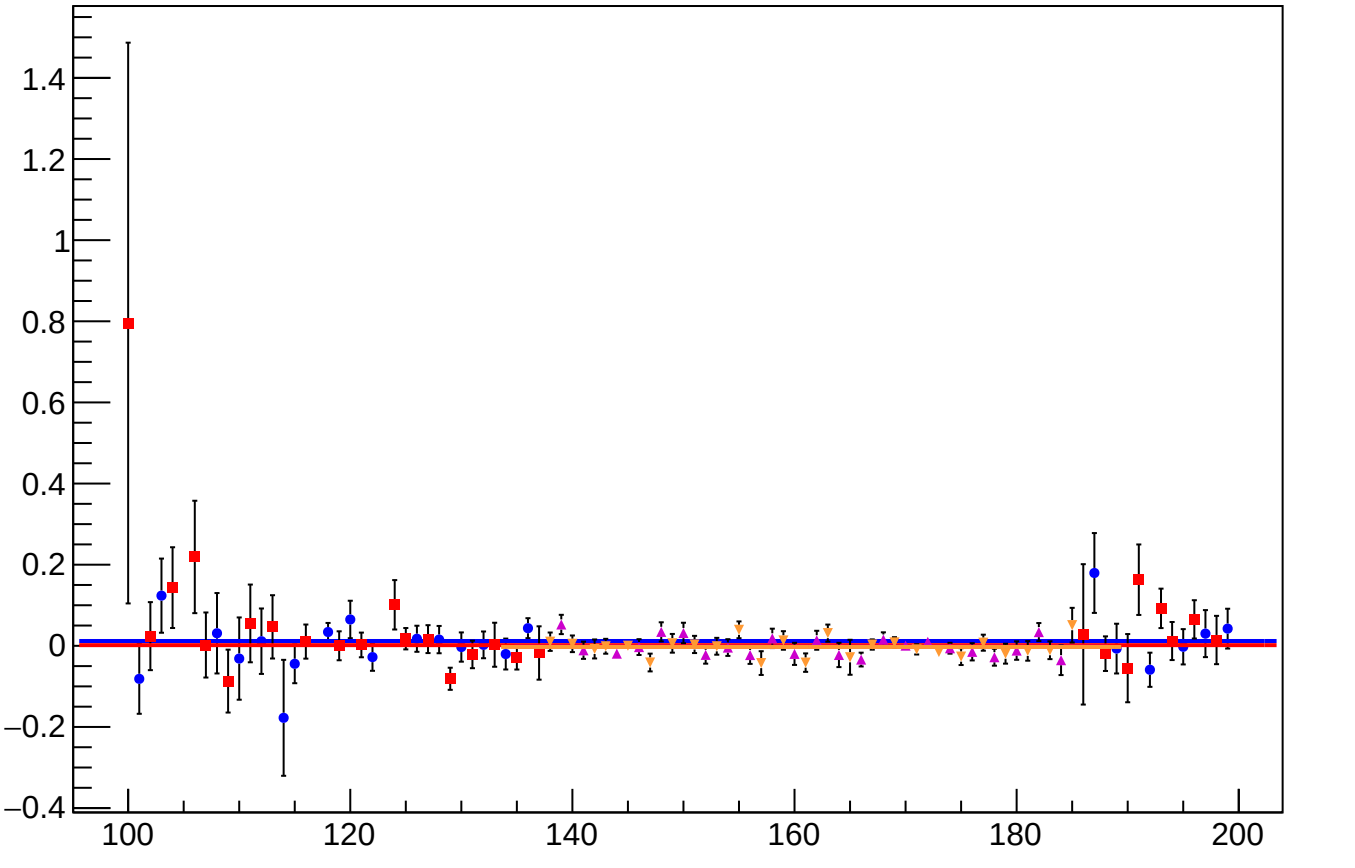
Right Out: 27.980+/-0.006 χ^2/NDF: 4905851.0/26

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.879+/-0.002 χ^2/NDF: 10189246.6/46

All: 16.978+/-0.002 χ^2/NDF: 21957975.9/96

- sign 17.083+/-0.002 χ^2/NDF: 11765269.4/49



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

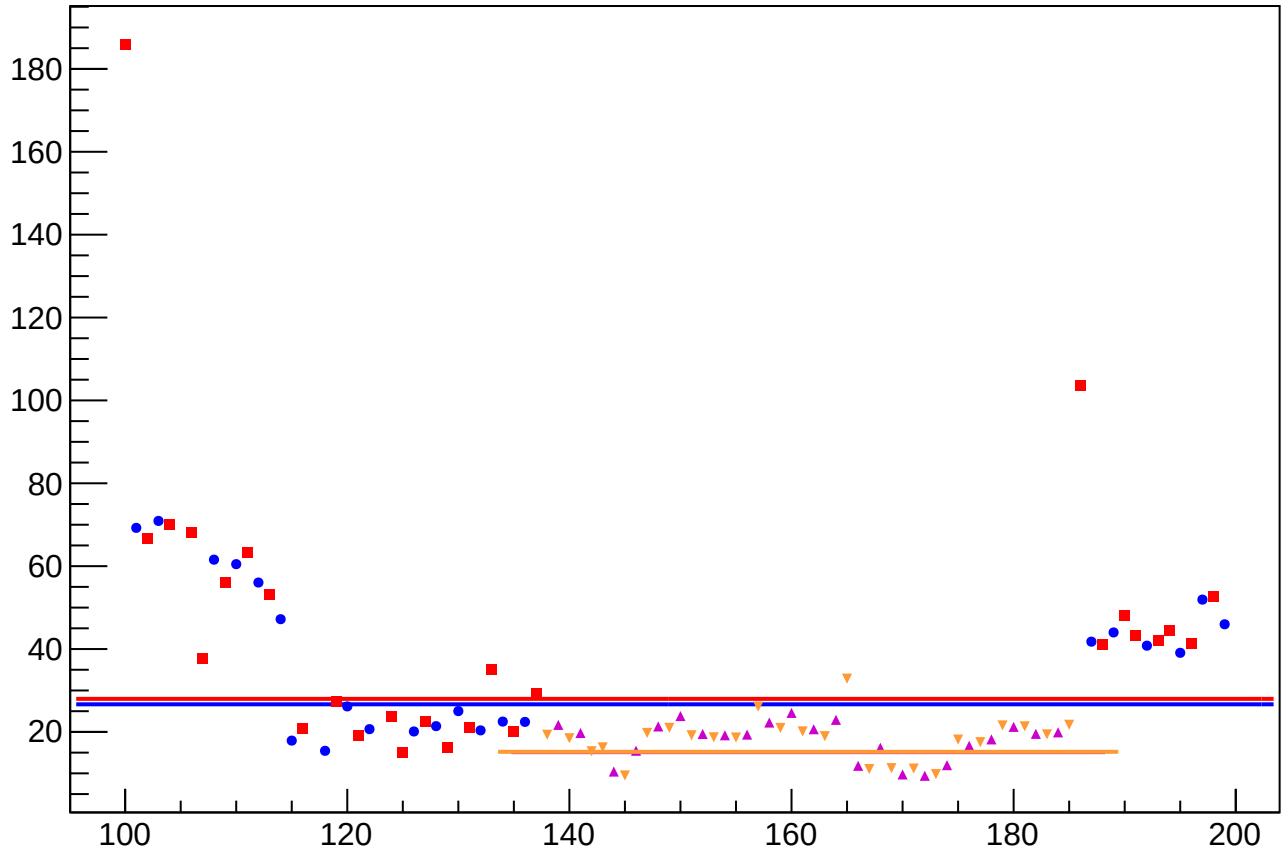
Right Out: 0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 43.7/46

All: -0.001+/-0.002 χ^2/NDF: 102.5/96

- sign -0.002+/-0.004 χ^2/NDF: 58.7/49



Right In: 26.660+/-0.006 χ^2/NDF: 3947679.2/21

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

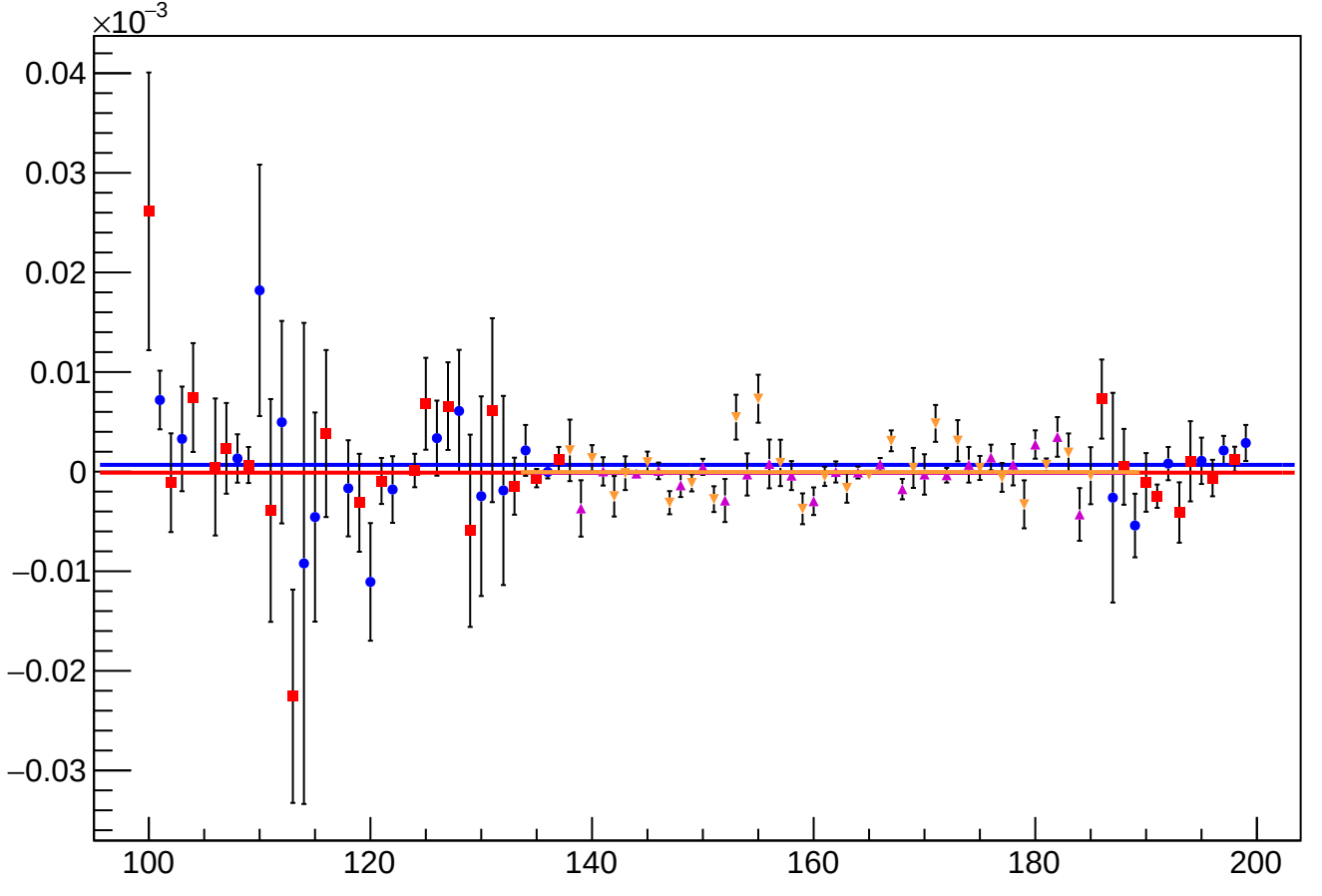
Right Out: 27.980+/-0.006 χ^2/NDF: 4905851.0/26

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.879+/-0.002 χ^2/NDF: 10189246.6/46

All: 16.978+/-0.002 χ^2/NDF: 21957975.9/96

- sign 17.083+/-0.002 χ^2/NDF: 11765269.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

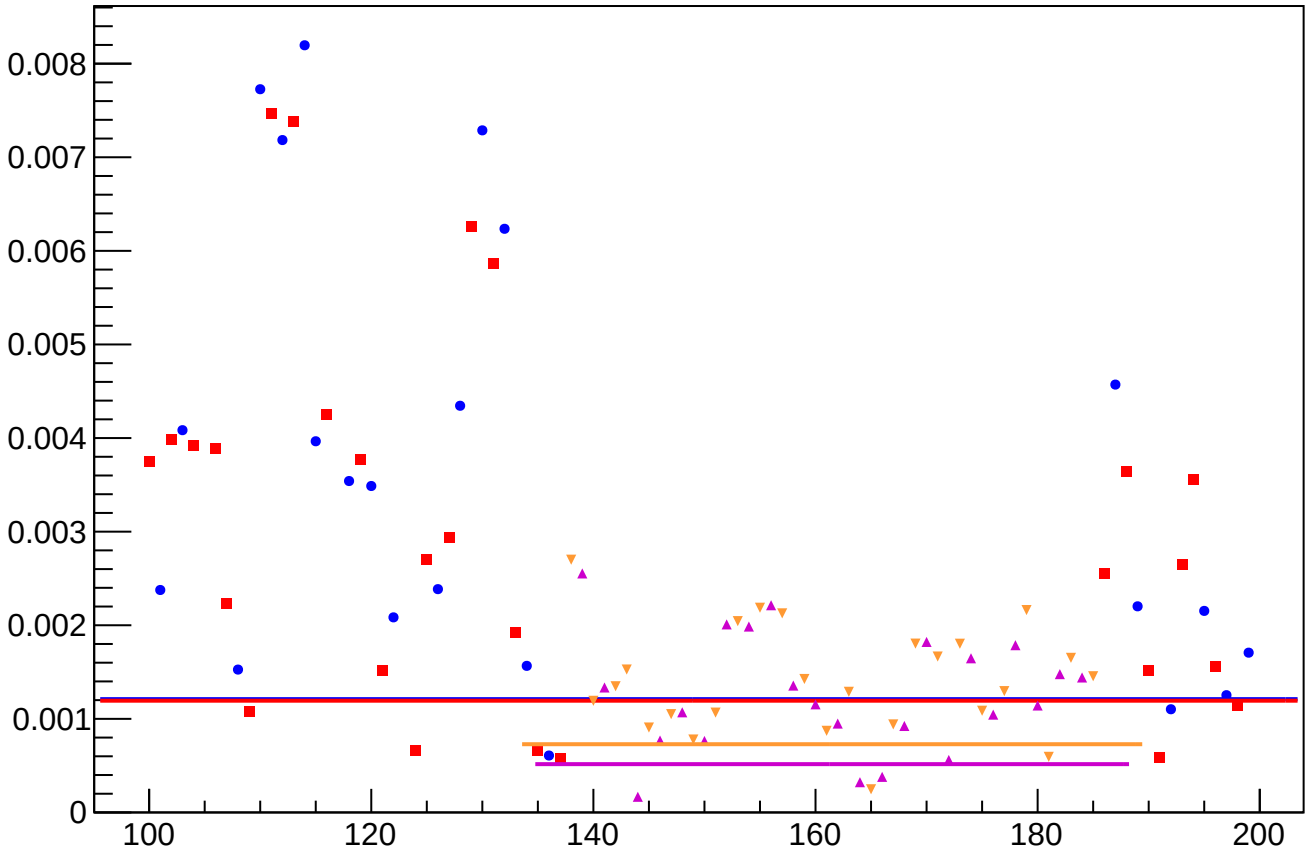
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/26

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.6/46

All: -0.000+/-0.000 χ^2/NDF: 141.6/96

- sign -0.000+/-0.000 χ^2/NDF: 54.4/49



Right In: 0.001+/-0.000 χ^2/NDF: 8050228.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

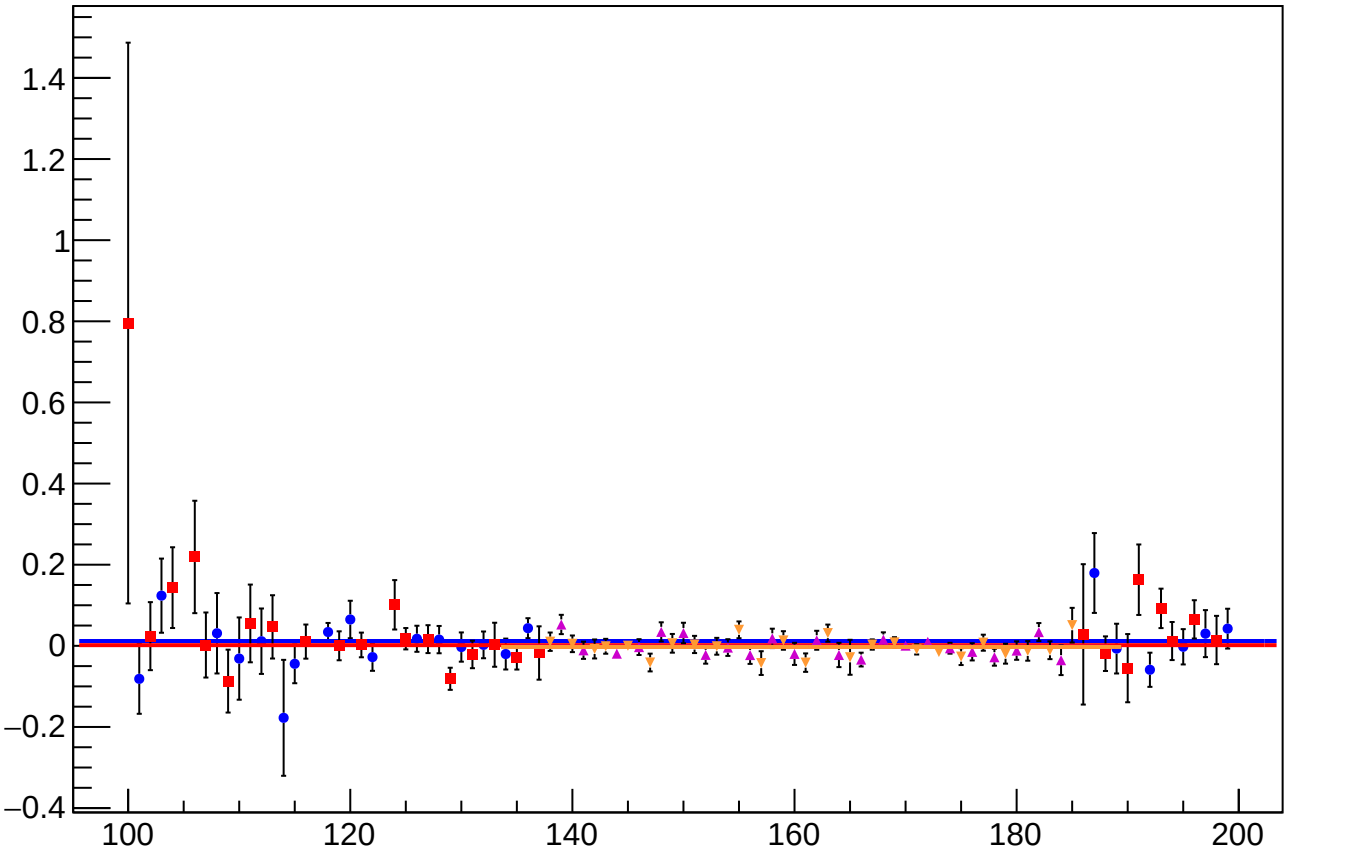
Right Out: 0.001+/-0.000 χ^2/NDF: 9686011.6/26

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 22948576.4/46

All: 0.001+/-0.000 χ^2/NDF: 53049030.6/96

- sign 0.001+/-0.000 χ^2/NDF: 28823402.5/49



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

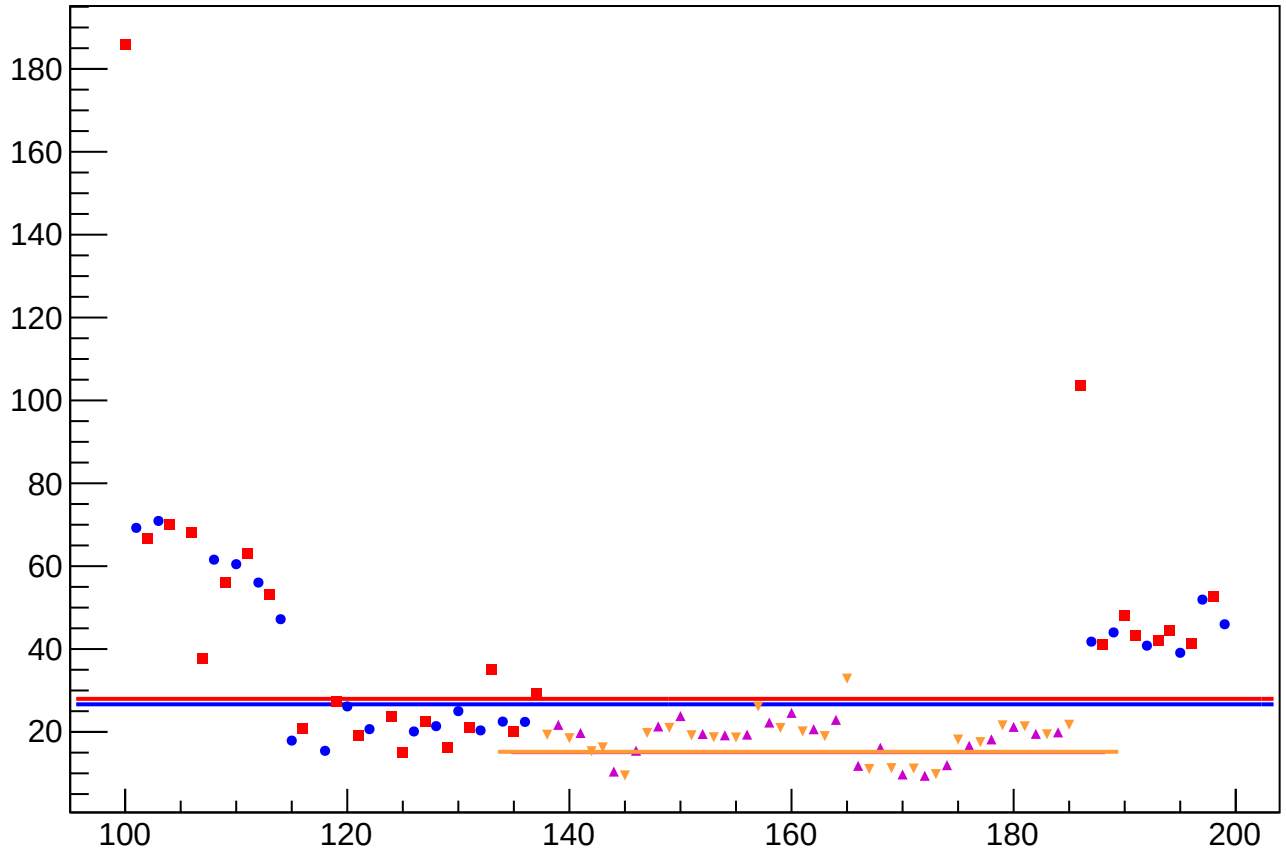
Right Out: 0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 43.7/46

All: -0.001+/-0.002 χ^2/NDF: 102.5/96

- sign -0.002+/-0.004 χ^2/NDF: 58.7/49



Right In: 26.659+/-0.006 χ^2/NDF: 3948007.8/21

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

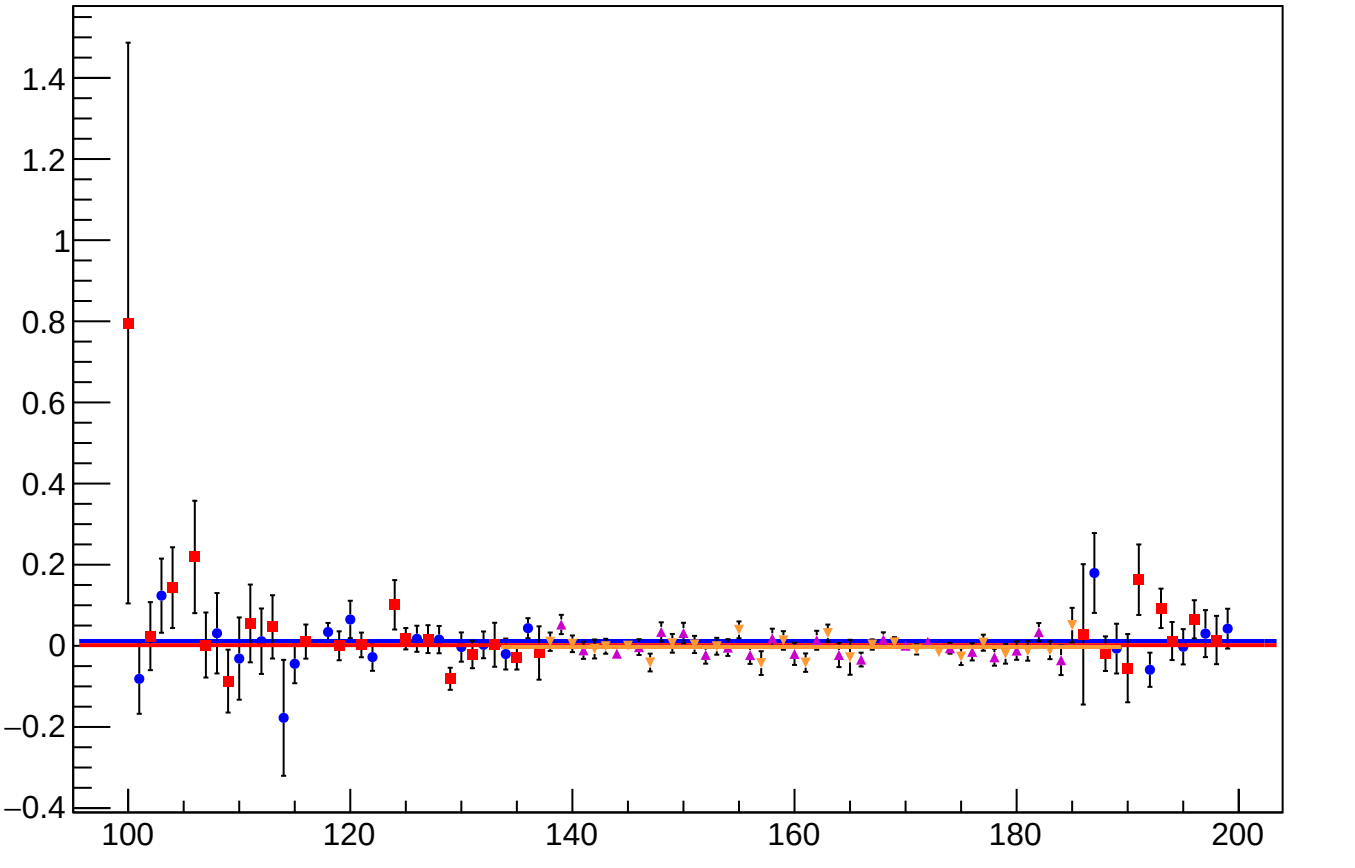
Right Out: 27.979+/-0.006 χ^2/NDF: 4906041.4/26

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.879+/-0.002 χ^2/NDF: 10189177.1/46

All: 16.978+/-0.002 χ^2/NDF: 21957861.5/96

- sign 17.083+/-0.002 χ^2/NDF: 11765221.0/49



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

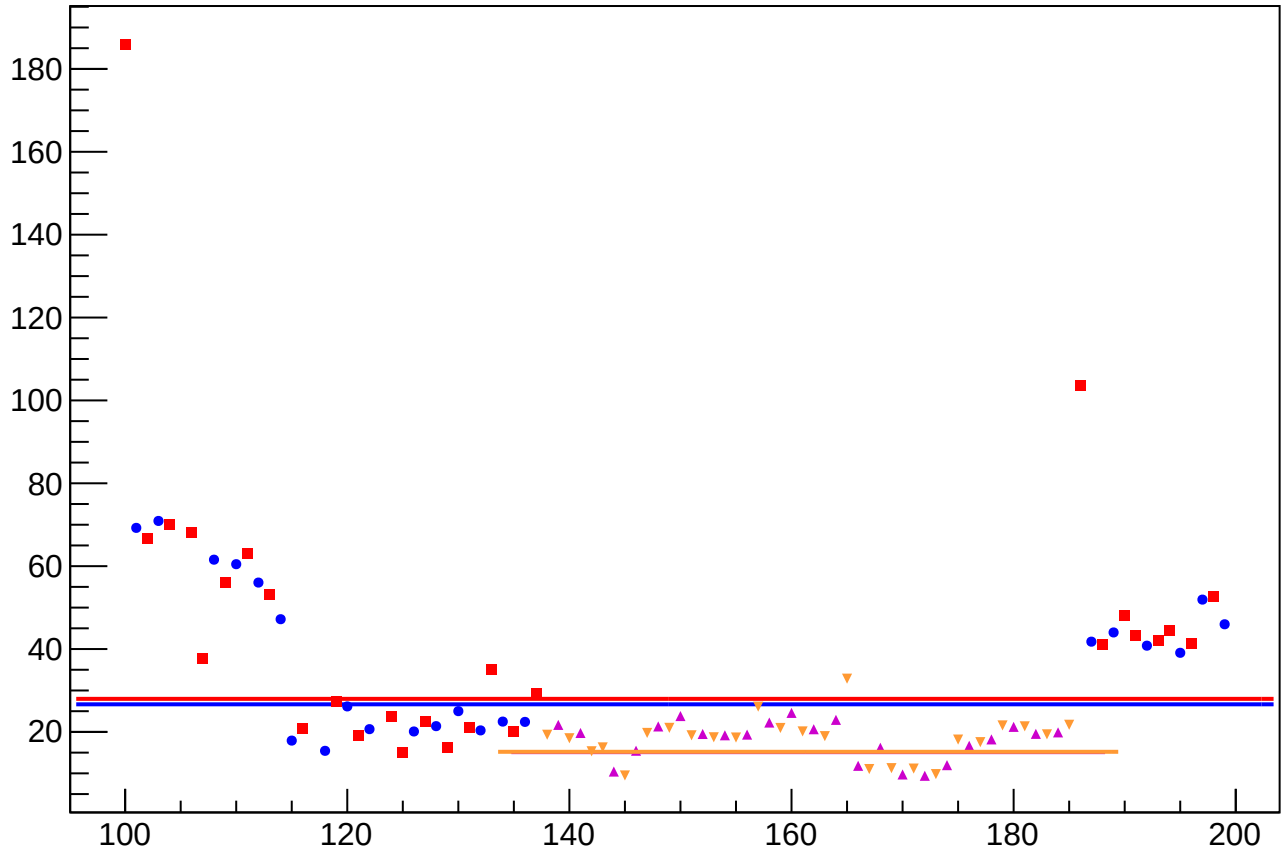
Right Out: 0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 43.7/46

All: -0.001+/-0.002 χ^2/NDF: 102.5/96

- sign -0.002+/-0.004 χ^2/NDF: 58.7/49



Right In: 26.659+/-0.006 χ^2/NDF: 3948007.8/21

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

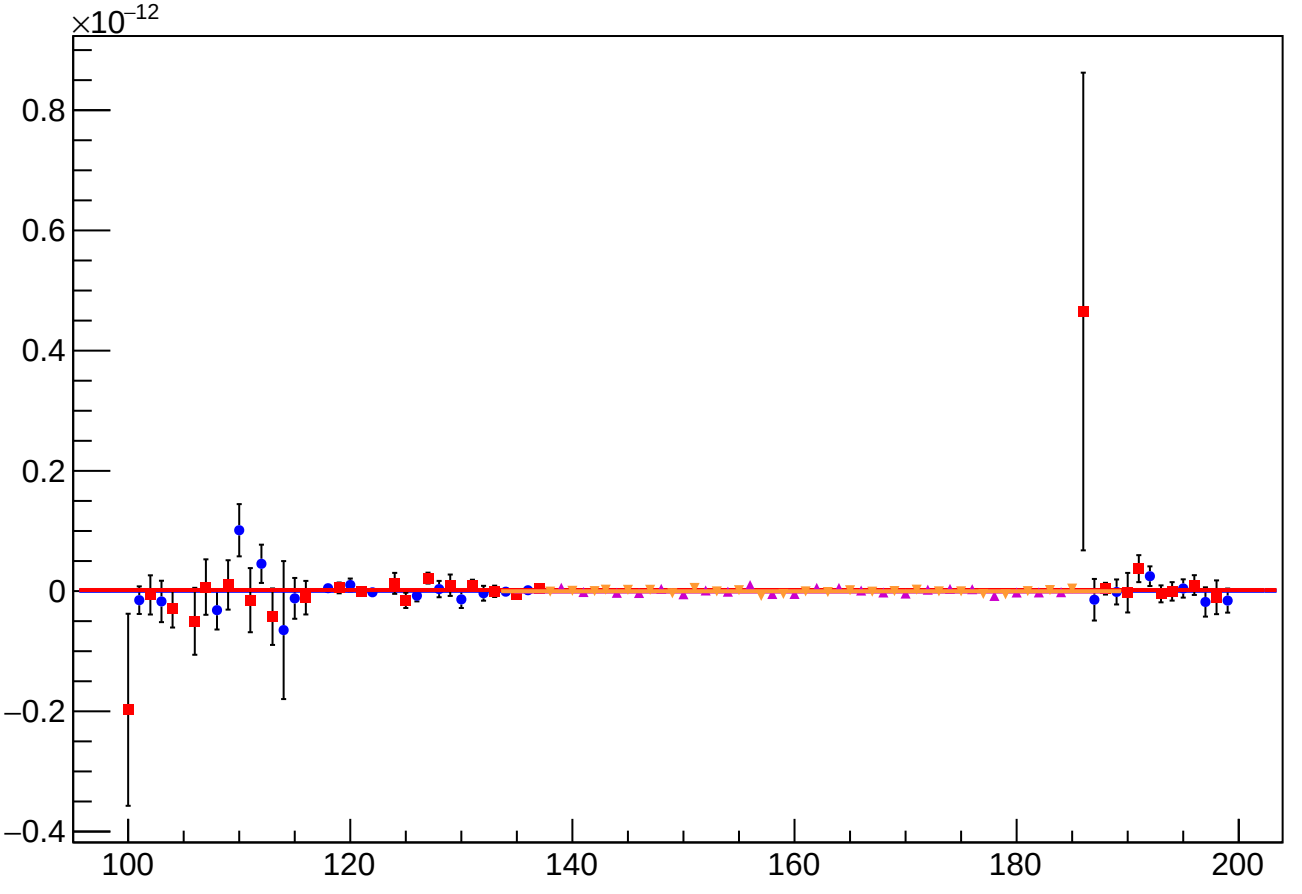
Right Out: 27.979+/-0.006 χ^2/NDF: 4906041.4/26

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.879+/-0.002 χ^2/NDF: 10189177.1/46

All: 16.978+/-0.002 χ^2/NDF: 21957861.5/96

- sign 17.083+/-0.002 χ^2/NDF: 11765221.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

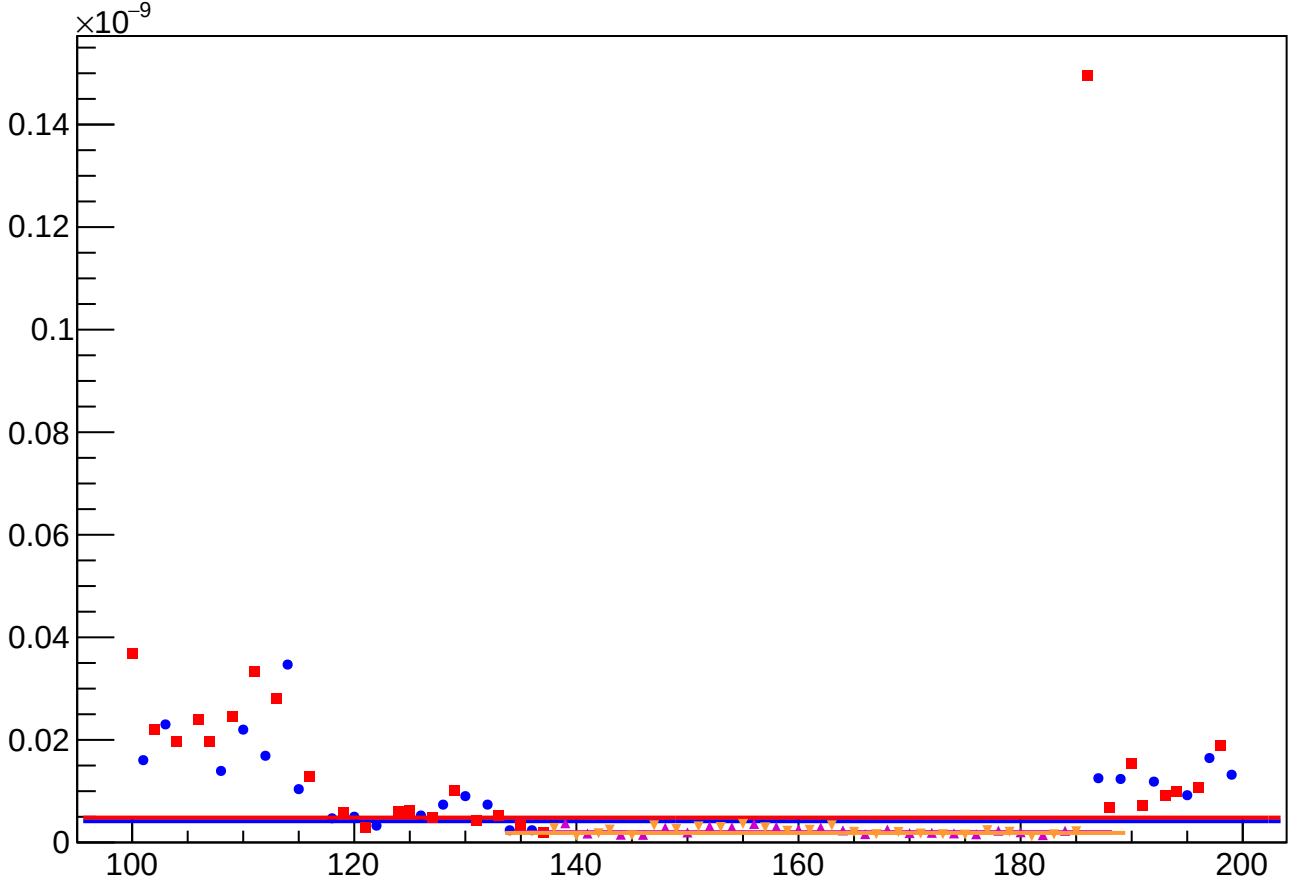
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/26

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/46

All: -0.000+/-0.000 χ^2/NDF: 99.6/96

- sign -0.000+/-0.000 χ^2/NDF: 61.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 5731612.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6346900.9/26

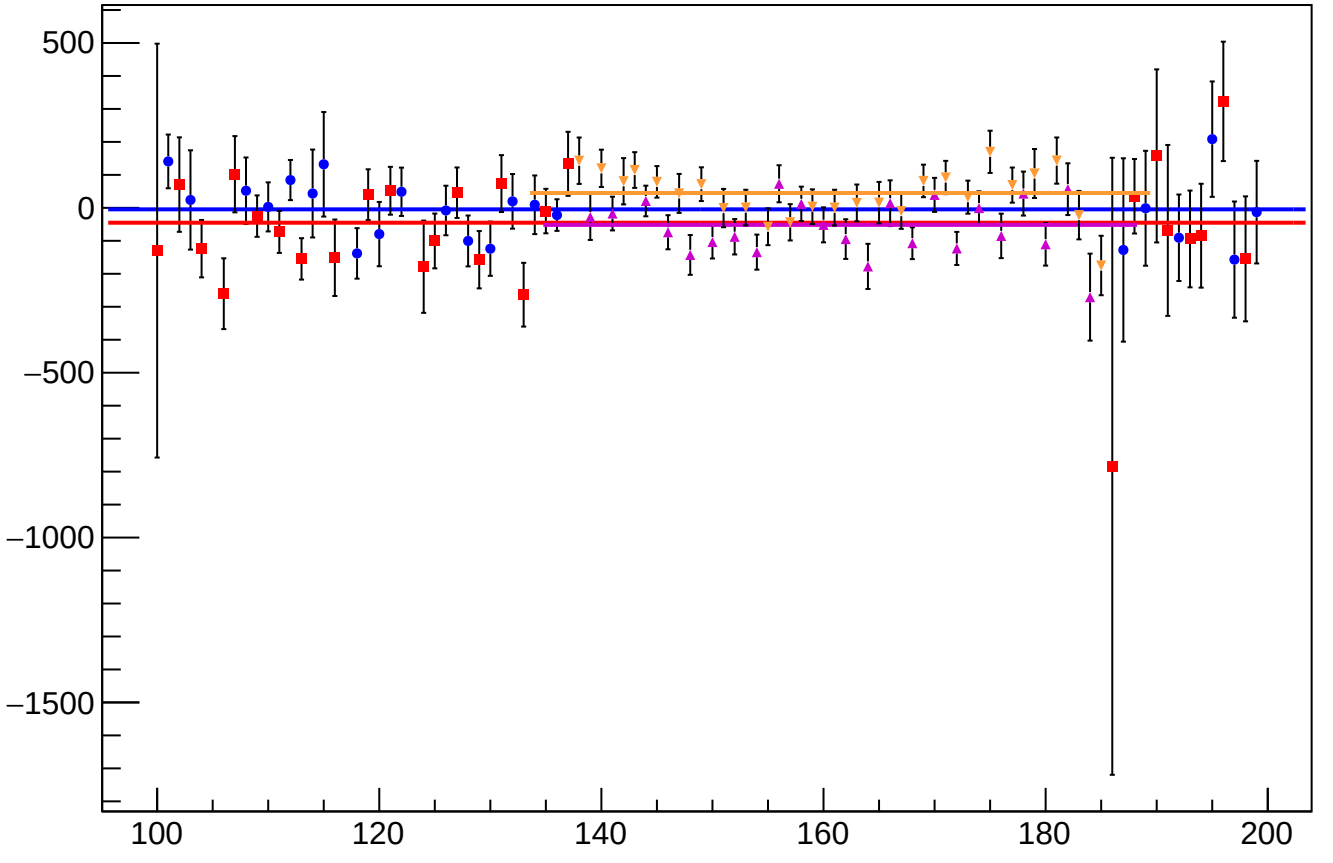
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10826655.7/46

All: 0.000+/-0.000 χ^2/NDF: 22374377.2/96

- sign 0.000+/-0.000 χ^2/NDF: 11439717.4/49

reg_asym_sam_1357_avg_mean vs Slug



Right In: -4.534+/-19.204 χ^2/NDF: 17.5/21

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -45.064+/-18.727 χ^2/NDF: 35.8/26

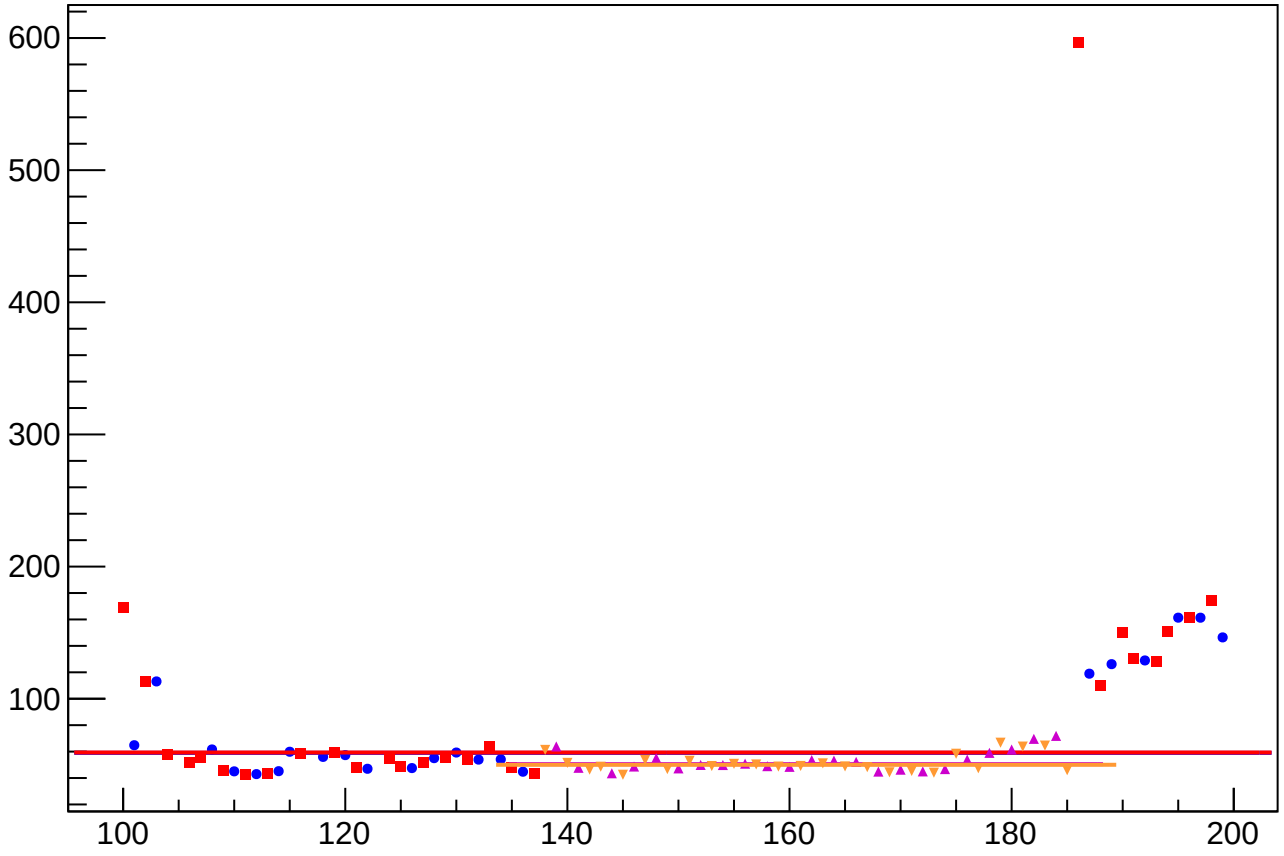
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.003+/-9.863 χ^2/NDF: 53.7/46

All: -8.048+/-7.043 χ^2/NDF: 159.1/96

- sign -49.725+/-10.061 χ^2/NDF: 71.7/49

reg_asym_sam_1357_avg_rms vs Slug



Right In: 59.044+/-0.014 χ^2/NDF: 3748768.8/21

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 59.312+/-0.013 χ^2/NDF: 4890537.0/26

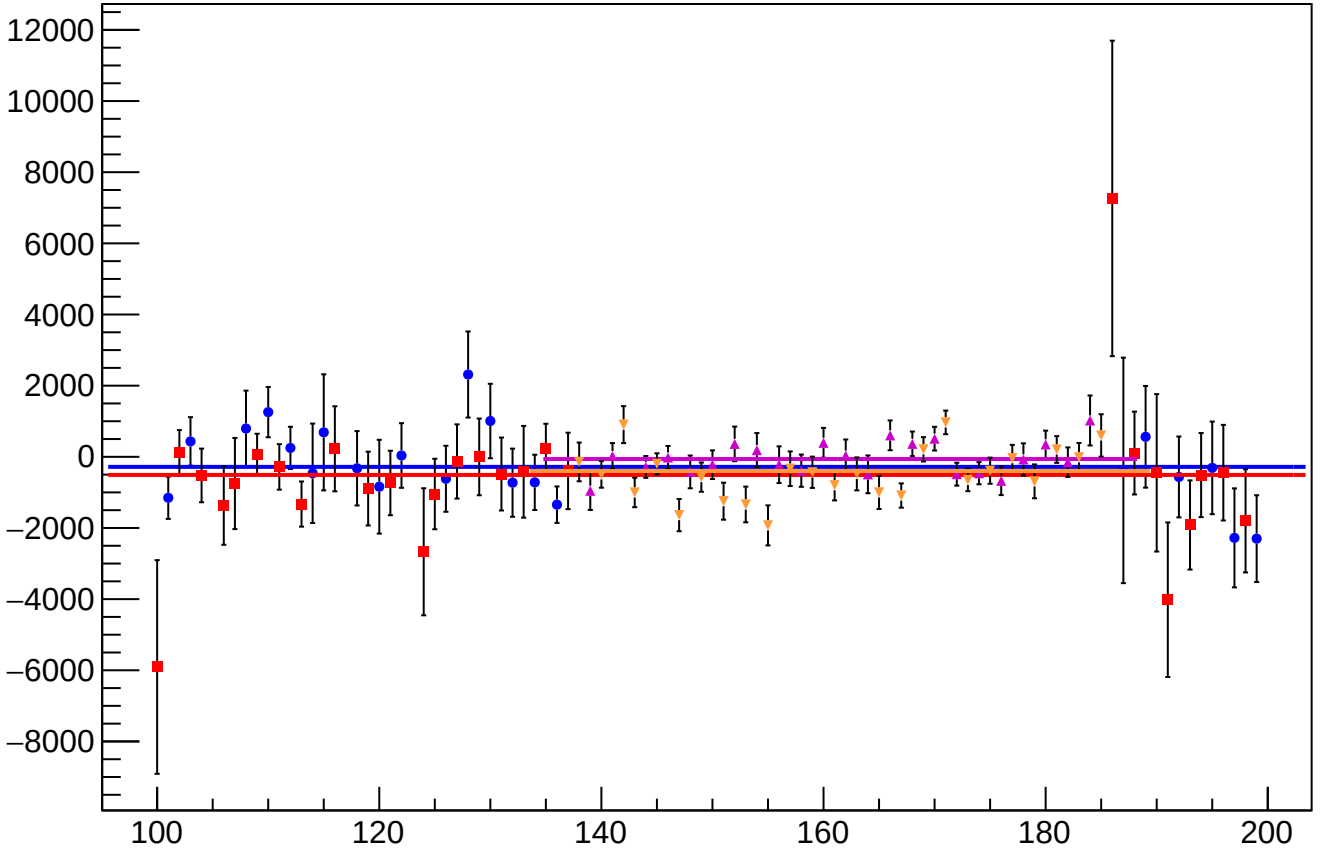
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

\+ sign 52.401+/-0.007 χ^2/NDF: 4582905.6/46

All: 52.720+/-0.005 χ^2/NDF: 10295293.5/96

\- sign 53.052+/-0.007 χ^2/NDF: 5708115.7/49

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -282.571+/-193.341 χ^2/NDF: 26.8/21

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -509.036+/-190.226 χ^2/NDF: 19.4/26

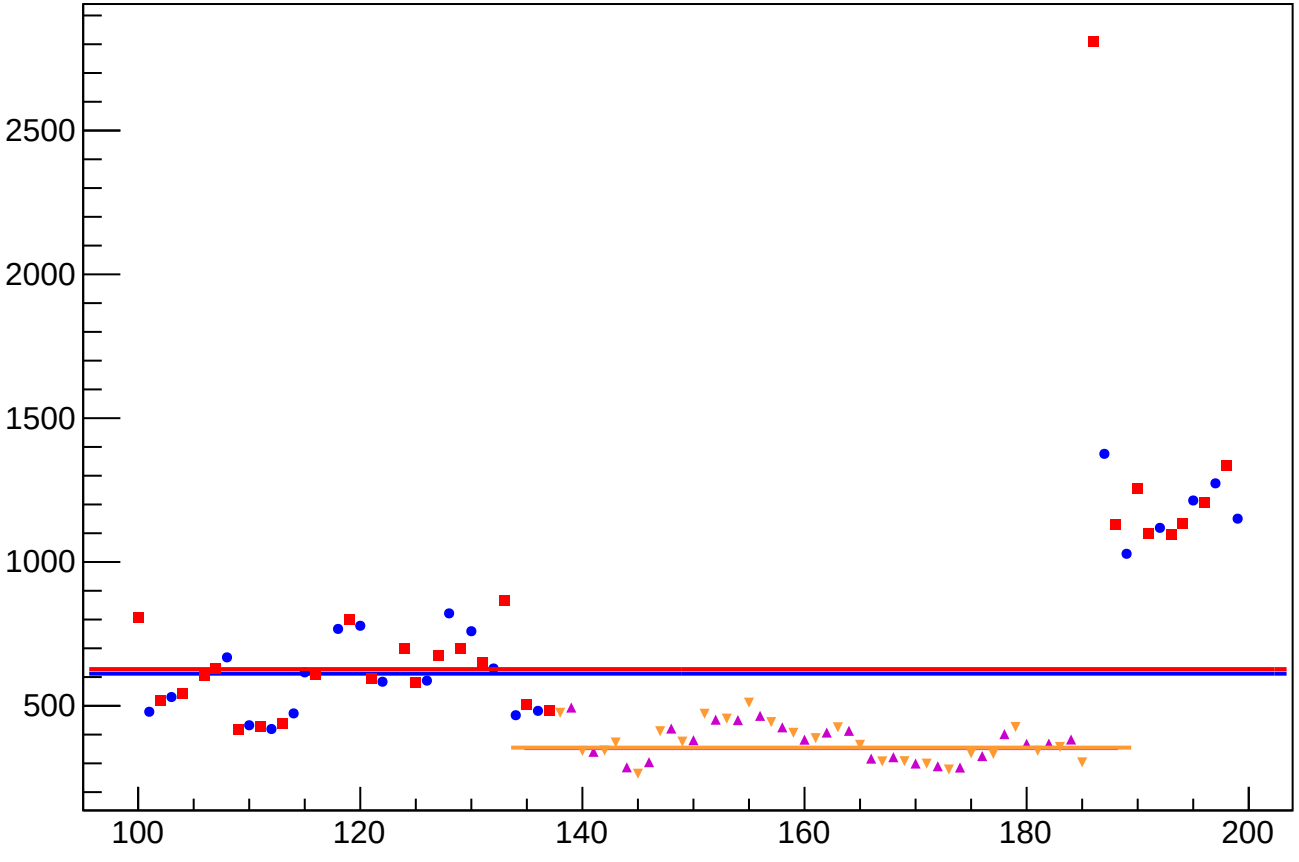
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -381.534+/-75.541 χ^2/NDF: 92.5/46

All: -260.151+/-53.841 χ^2/NDF: 145.7/96

- sign -134.820+/-76.759 χ^2/NDF: 47.9/49

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 611.848+/-0.137 χ^2/NDF: 2823320.1/21

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 627.685+/-0.135 χ^2/NDF: 3592823.5/26

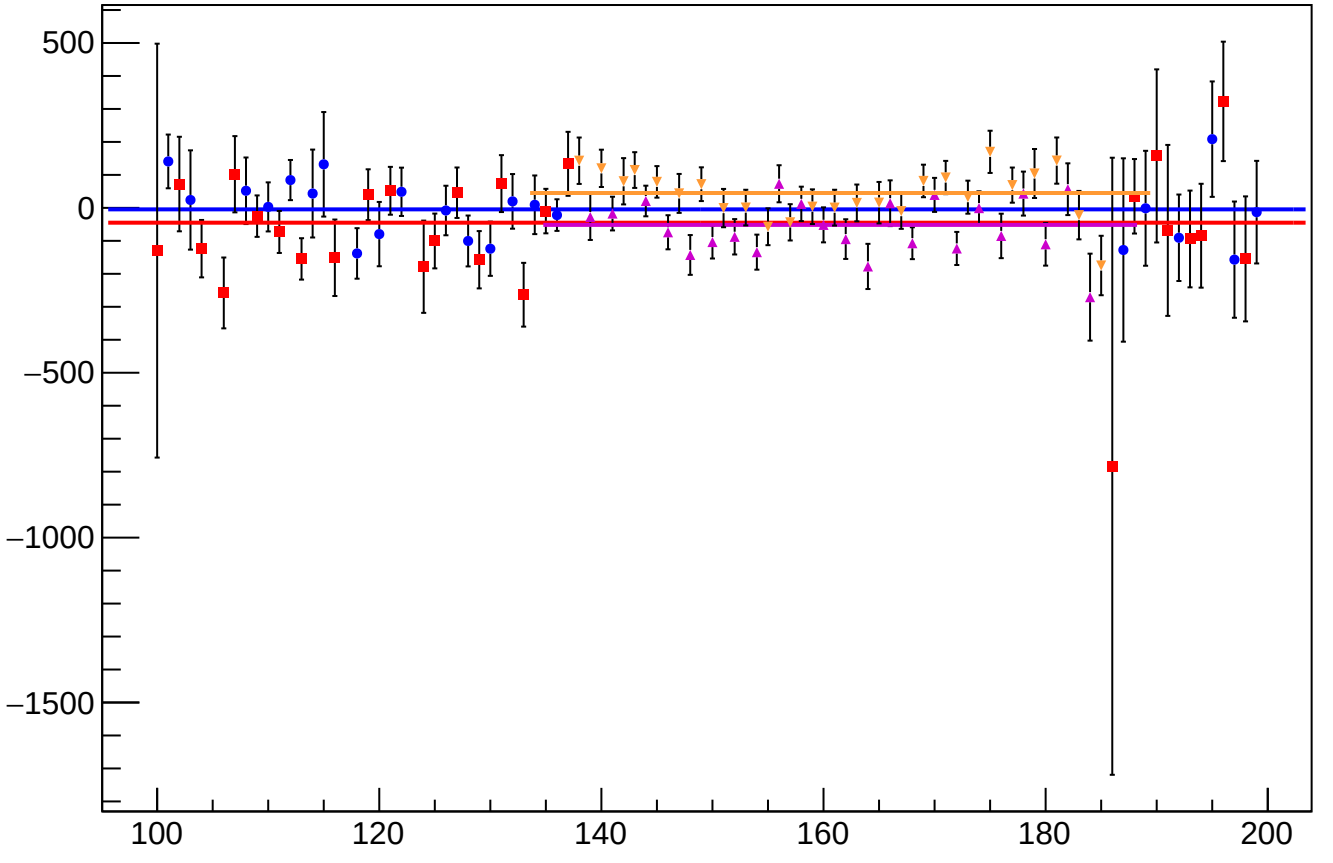
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 393.929+/-0.053 χ^2/NDF: 6967314.7/46

All: 395.842+/-0.038 χ^2/NDF: 15055291.5/96

- sign 397.818+/-0.054 χ^2/NDF: 8085370.1/49

cor_asym_sam_1357_avg_mean vs Slug



Right In: -4.538+/-19.204 χ^2/NDF: 17.5/21

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -44.957+/-18.727 χ^2/NDF: 35.7/26

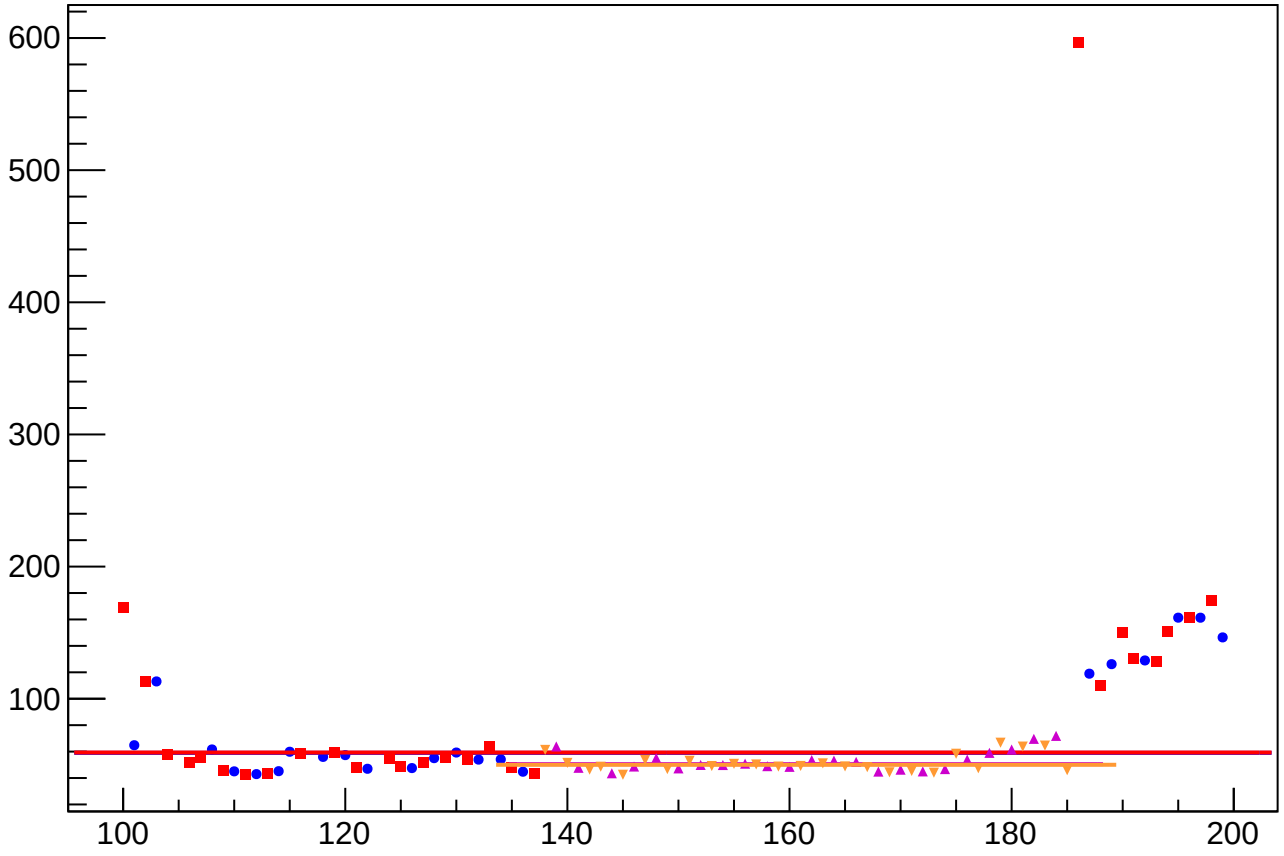
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.004+/-9.863 χ^2/NDF: 53.7/46

All: -8.032+/-7.043 χ^2/NDF: 159.0/96

- sign -49.694+/-10.061 χ^2/NDF: 71.6/49

cor_asym_sam_1357_avg_rms vs Slug



Right In: 59.044+/-0.014 χ^2/NDF: 3748771.1/21

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 59.303+/-0.013 χ^2/NDF: 4891571.6/26

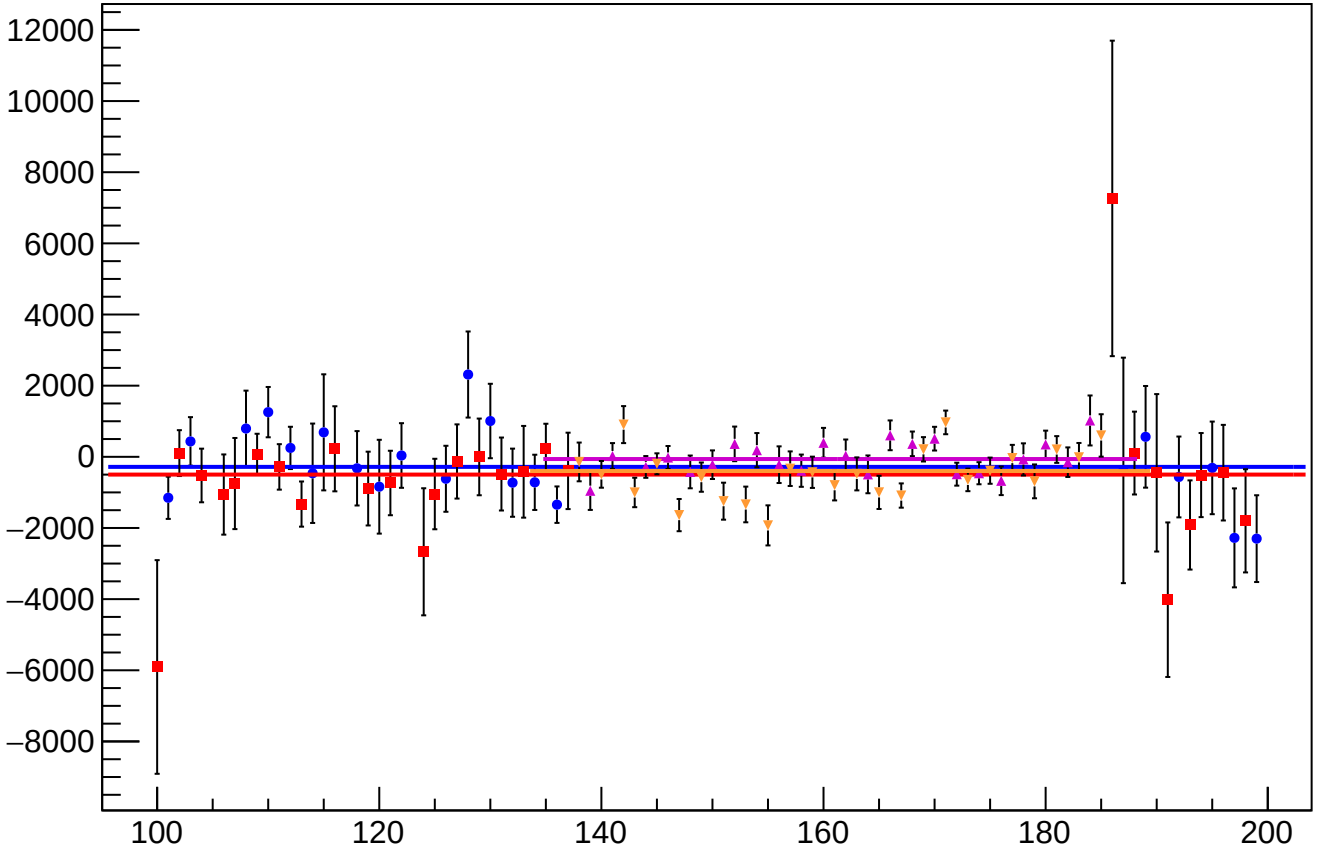
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.401+/-0.007 χ^2/NDF: 4582907.9/46

All: 52.719+/-0.005 χ^2/NDF: 10295641.0/96

- sign 53.049+/-0.007 χ^2/NDF: 5708496.1/49

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -282.553+/-193.343 χ^2/NDF: 26.8/21

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -499.238+/-190.383 χ^2/NDF: 19.0/26

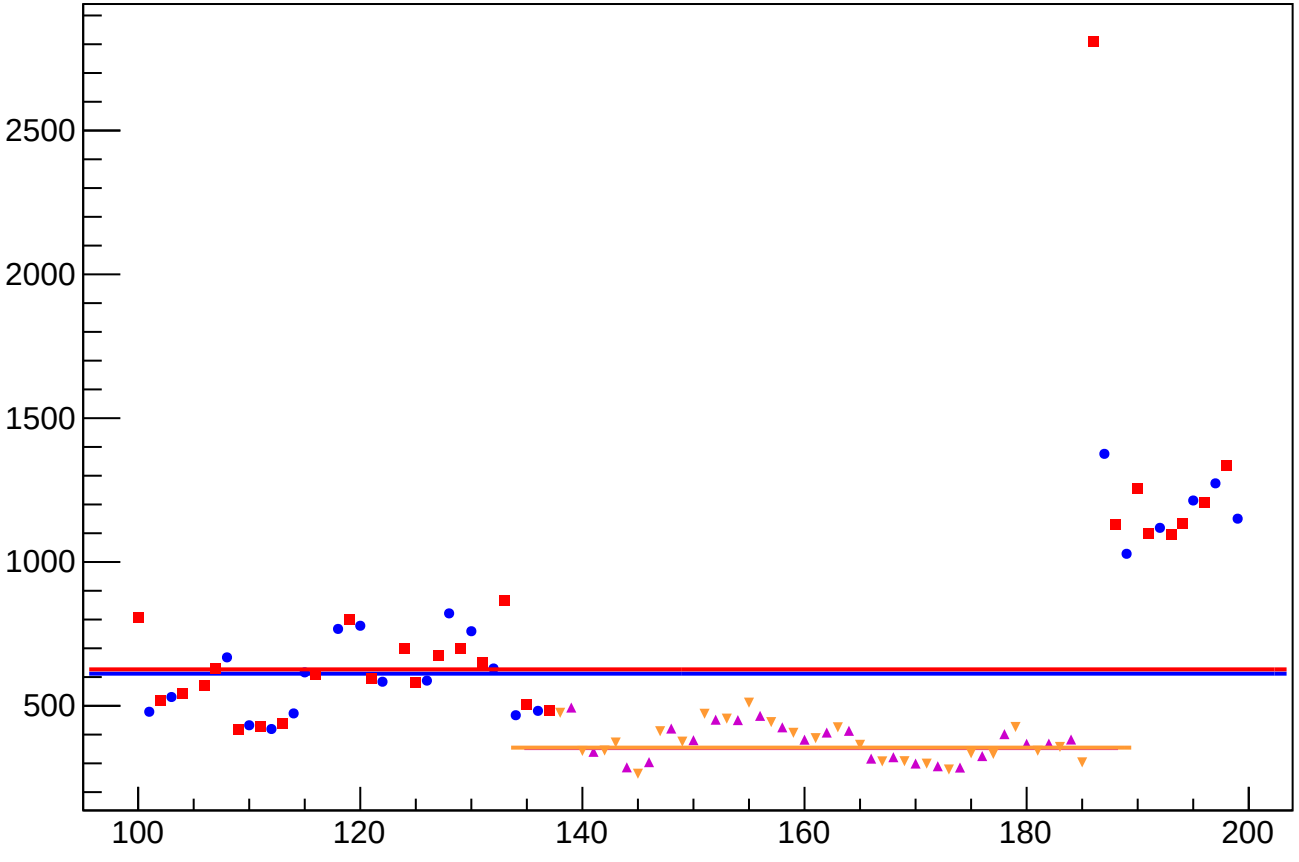
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -381.528+/-75.541 χ^2/NDF: 92.5/46

All: -259.331+/-53.845 χ^2/NDF: 145.1/96

- sign -133.127+/-76.769 χ^2/NDF: 47.4/49

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 611.854+/-0.137 χ^2/NDF: 2823274.1/21

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 626.766+/-0.135 χ^2/NDF: 3596504.7/26

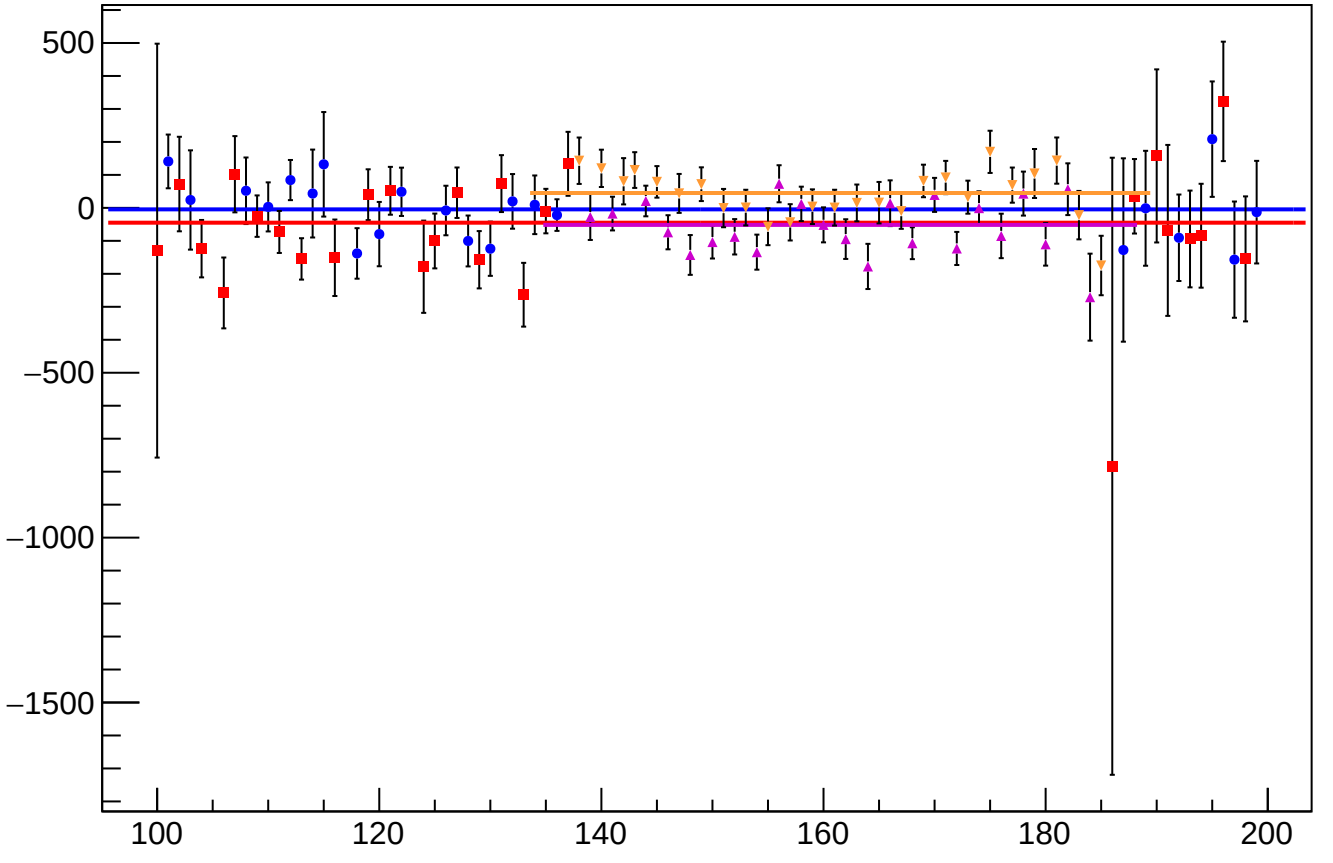
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 393.930+/-0.053 χ^2/NDF: 6967370.0/46

All: 395.738+/-0.038 χ^2/NDF: 15030663.0/96

- sign 397.606+/-0.054 χ^2/NDF: 8060962.1/49

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -4.538+/-19.204 χ^2/NDF: 17.5/21

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -44.957+/-18.727 χ^2/NDF: 35.7/26

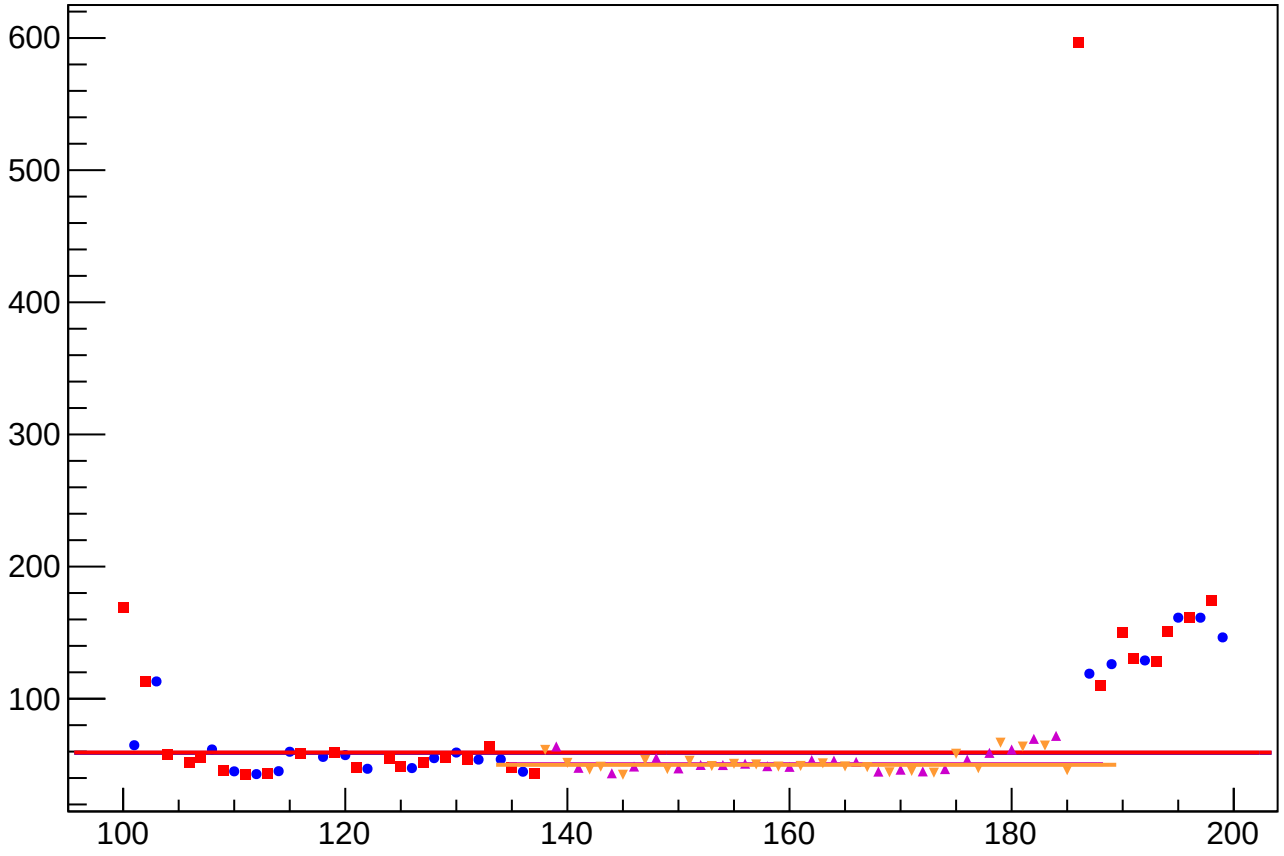
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.004+/-9.863 χ^2/NDF: 53.7/46

All: -8.032+/-7.043 χ^2/NDF: 159.0/96

- sign -49.694+/-10.061 χ^2/NDF: 71.6/49

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 59.044+/-0.014 χ^2/NDF: 3748771.1/21

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

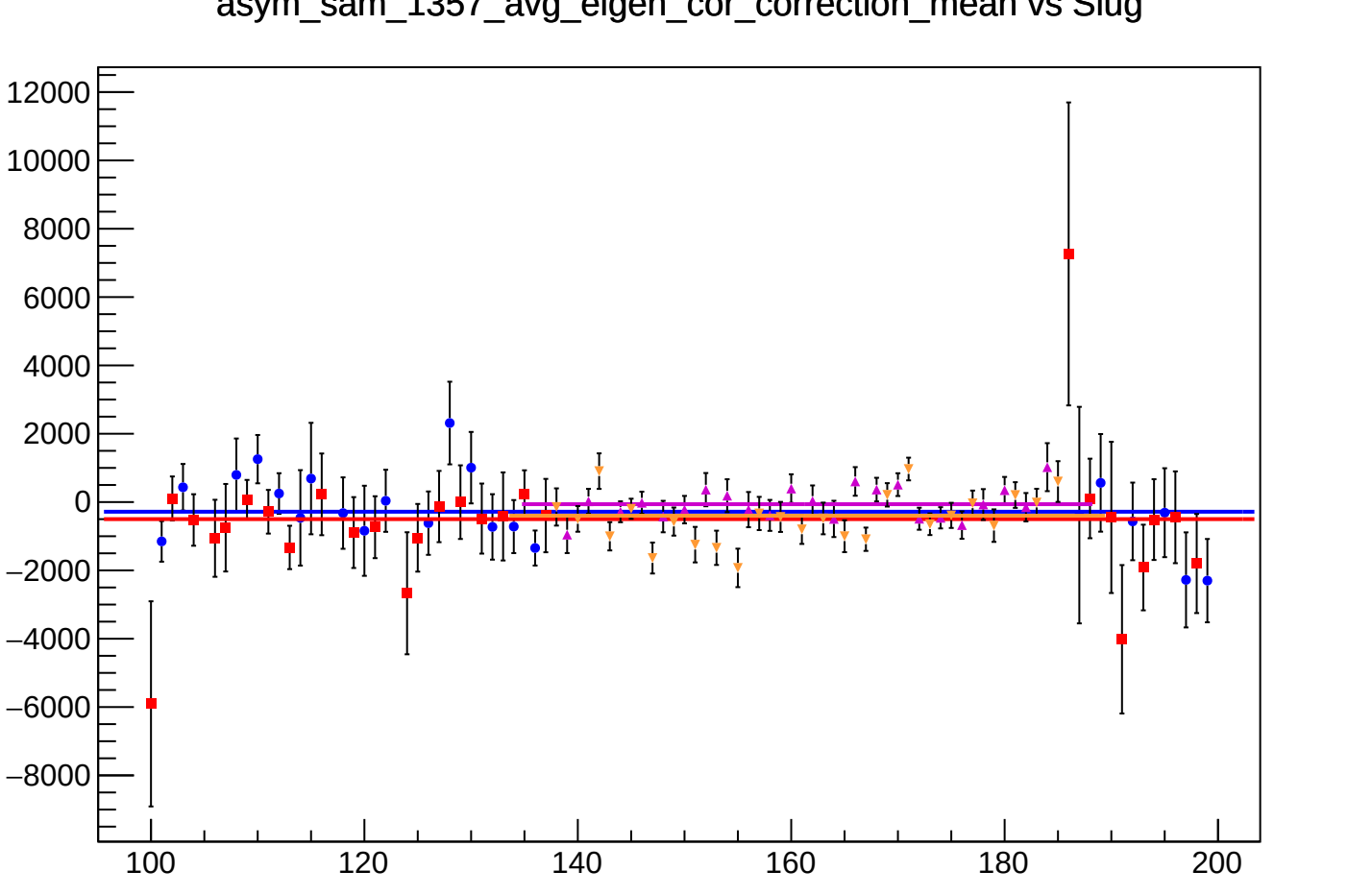
Right Out: 59.303+/-0.013 χ^2/NDF: 4891571.6/26

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.401+/-0.007 χ^2/NDF: 4582907.9/46

All: 52.719+/-0.005 χ^2/NDF: 10295641.0/96

- sign 53.049+/-0.007 χ^2/NDF: 5708496.1/49



Right In: -282.553+/-193.343 χ^2/NDF: 26.8/21

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

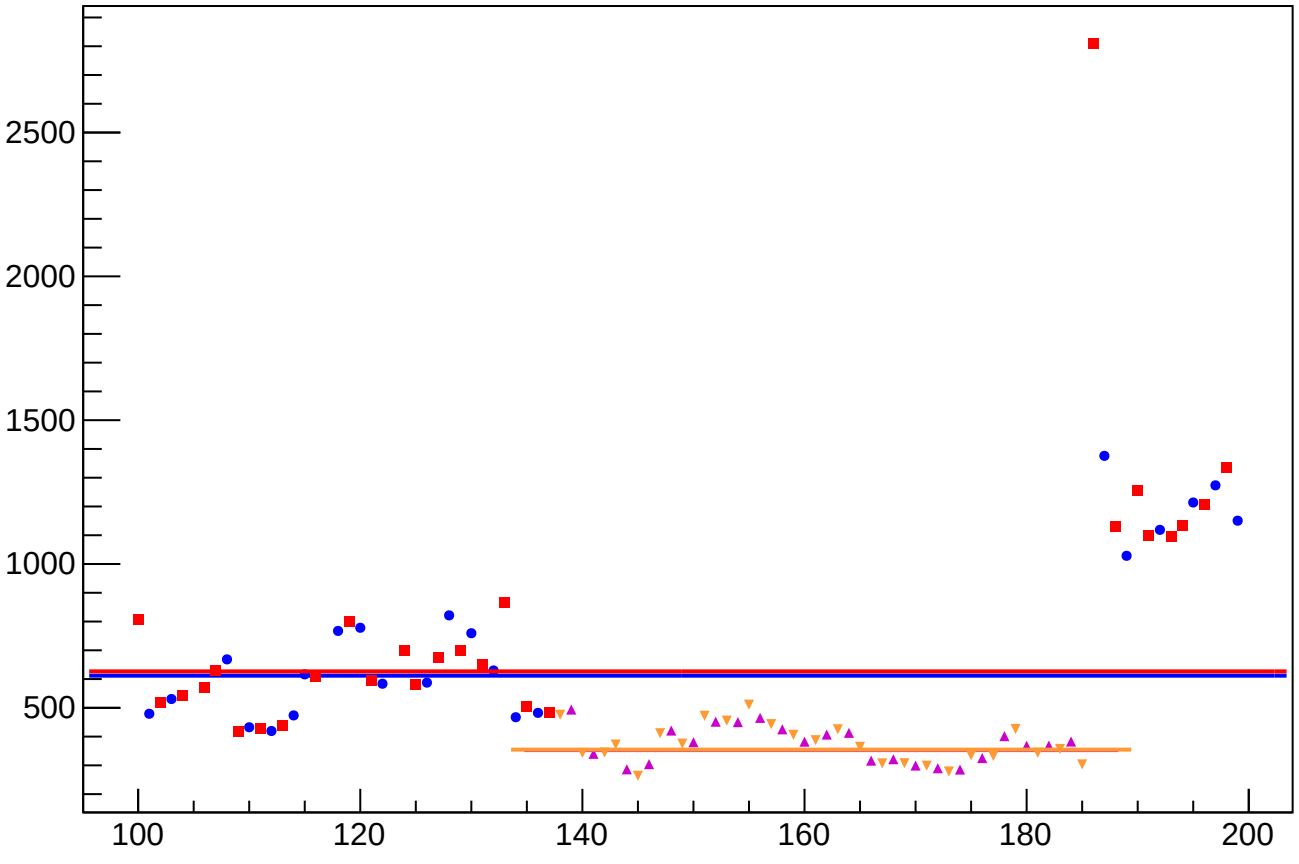
Right Out: -499.238+/-190.383 χ^2/NDF: 19.0/26

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -381.528+/-75.541 χ^2/NDF: 92.5/46

All: -259.331+/-53.845 χ^2/NDF: 145.1/96

- sign -133.127+/-76.769 χ^2/NDF: 47.4/49



Right In: 611.854+/-0.137 χ^2/NDF: 2823274.1/21

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 626.766+/-0.135 χ^2/NDF: 3596504.7/26

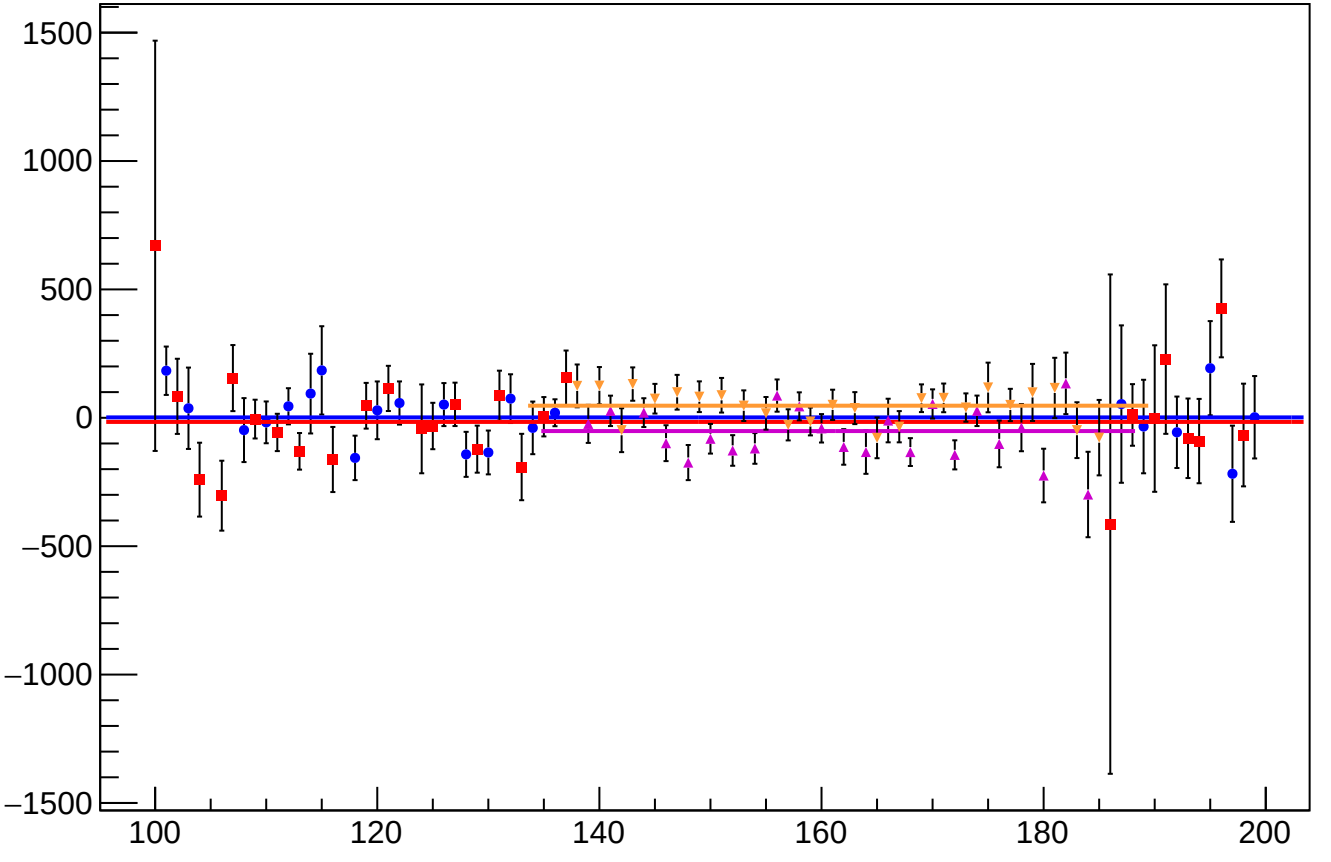
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 393.930+/-0.053 χ^2/NDF: 6967370.0/46

All: 395.738+/-0.038 χ^2/NDF: 15030663.0/96

- sign 397.606+/-0.054 χ^2/NDF: 8060962.1/49

dit_asym_sam_1357_avg_mean vs Slug



Right In: 1.552+/-21.475 χ^2/NDF: 18.9/21

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -16.072+/-21.542 χ^2/NDF: 31.2/26

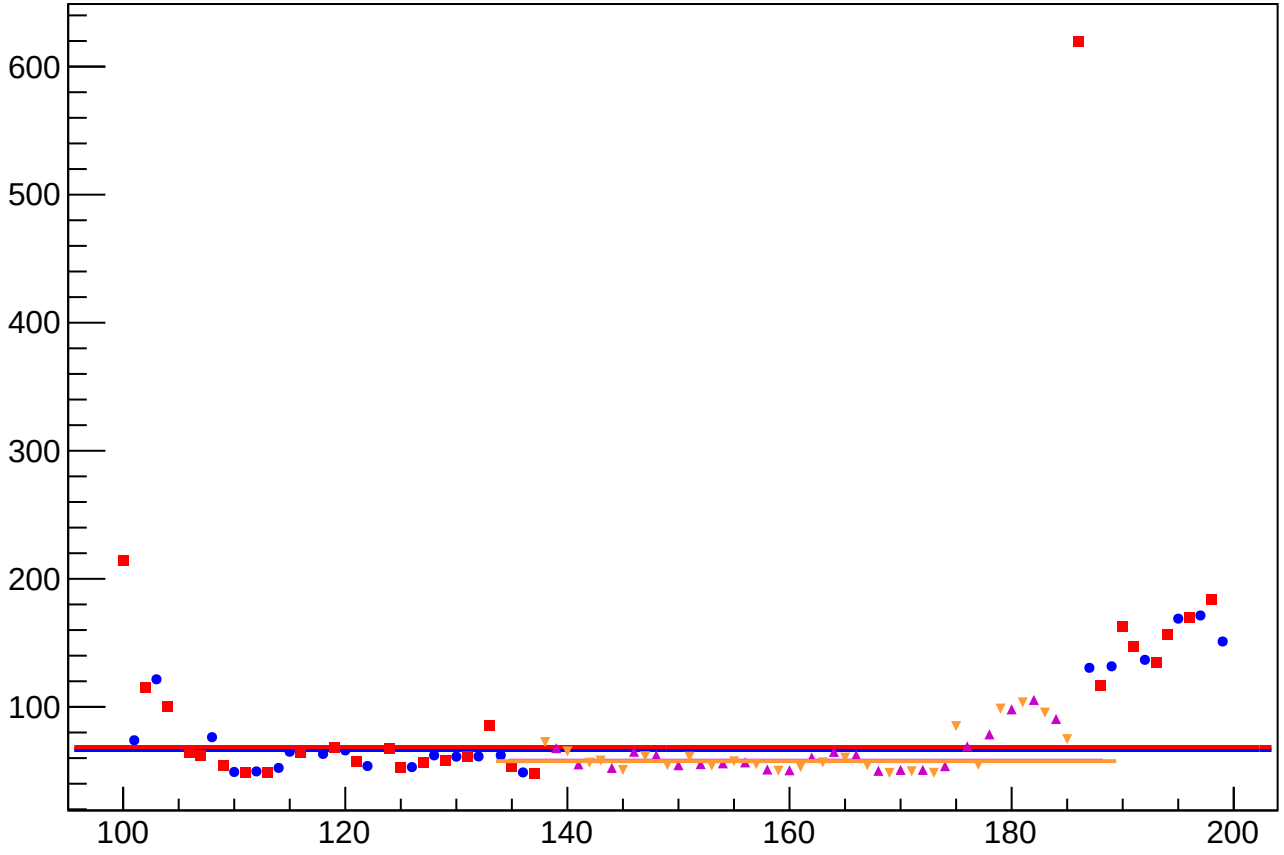
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 34.219+/-11.436 χ^2/NDF: 39.1/46

All: -2.611+/-8.178 χ^2/NDF: 131.7/96

- sign -41.157+/-11.700 χ^2/NDF: 71.3/49

dit_asym_sam_1357_avg_rms vs Slug



Right In: 66.359+/-0.015 χ^2/NDF: 3497538.3/21

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 68.665+/-0.015 χ^2/NDF: 4606287.0/26

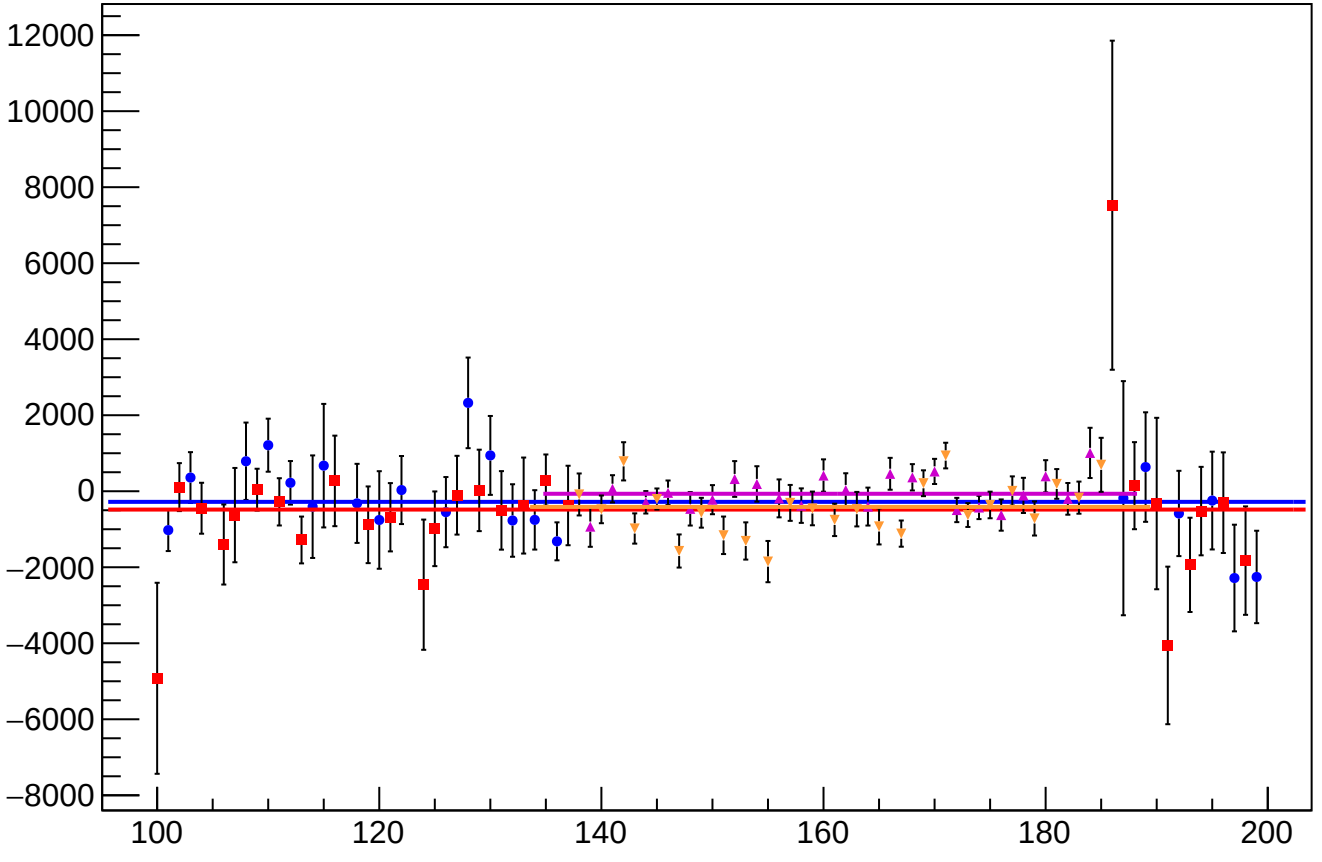
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 60.106+/-0.008 χ^2/NDF: 5099664.2/46

All: 60.593+/-0.006 χ^2/NDF: 11187407.7/96

- sign 61.103+/-0.008 χ^2/NDF: 6080310.5/49

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -279.399+/-188.917 χ^2/NDF: 26.1/21

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -482.333+/-184.235 χ^2/NDF: 20.4/26

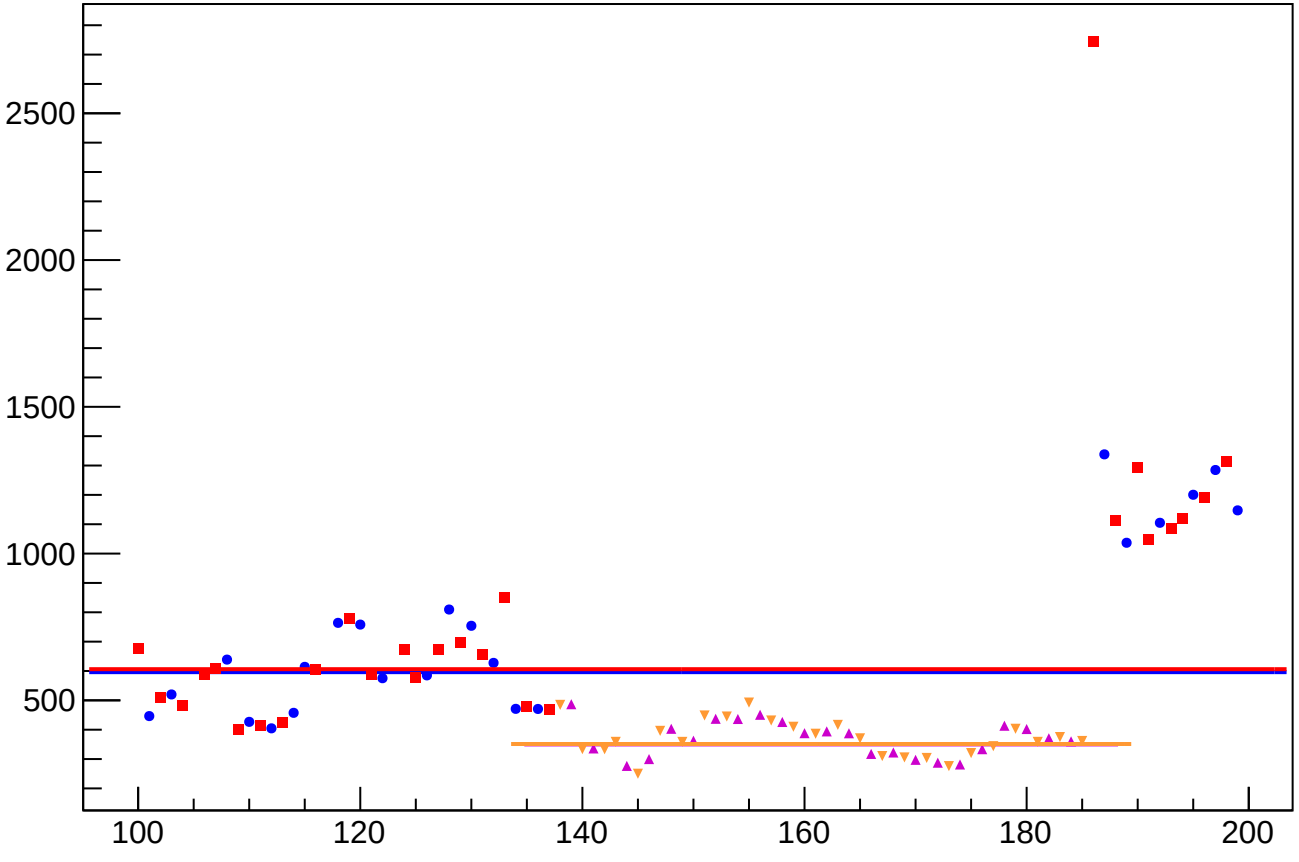
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -392.240+/-74.550 χ^2/NDF: 87.9/46

All: -266.581+/-53.129 χ^2/NDF: 141.1/96

- sign -136.887+/-75.737 χ^2/NDF: 47.5/49

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 596.052+/-0.134 χ^2/NDF: 2962826.5/21

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 606.194+/-0.130 χ^2/NDF: 3756677.2/26

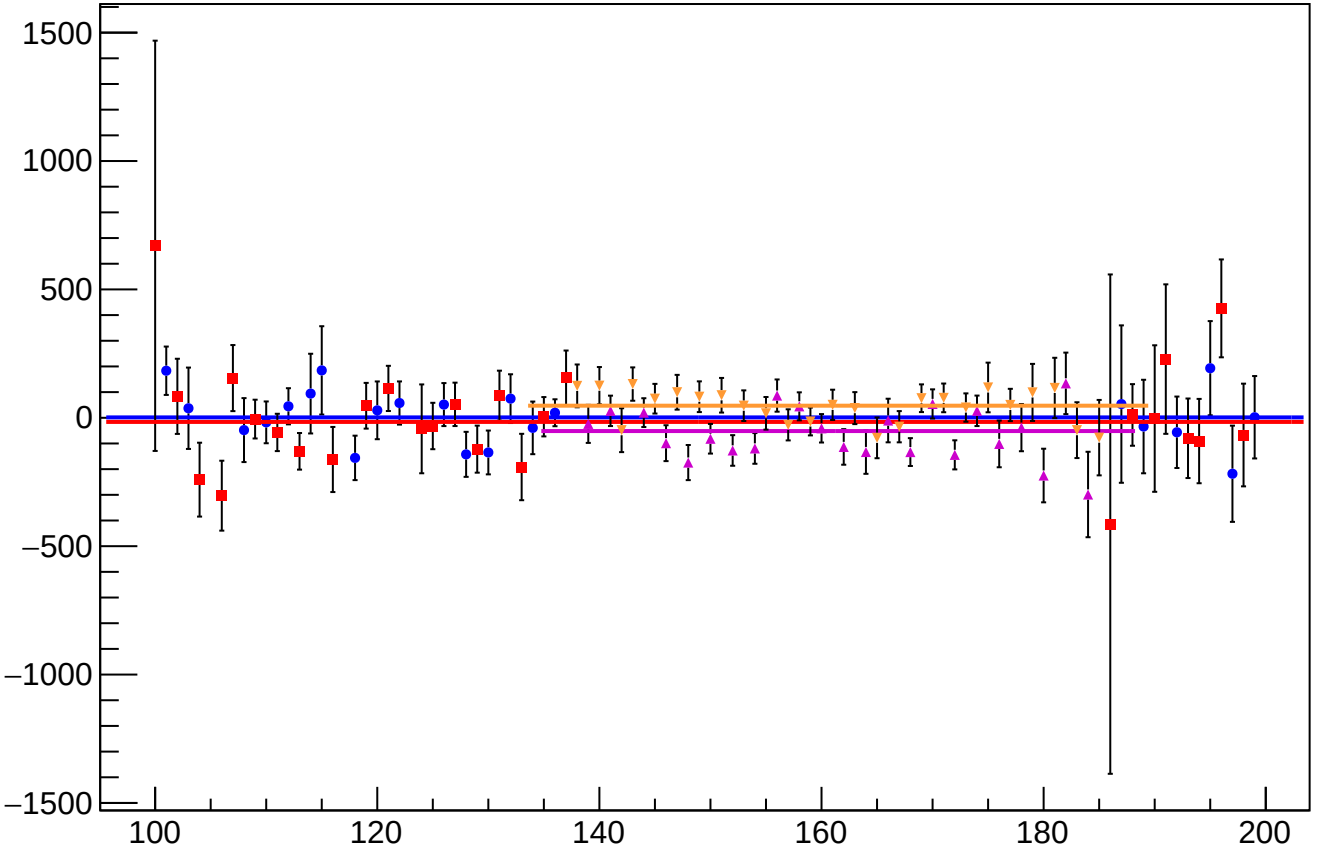
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 389.383+/-0.053 χ^2/NDF: 6916091.1/46

All: 391.232+/-0.038 χ^2/NDF: 14884205.6/96

- sign 393.140+/-0.054 χ^2/NDF: 7965615.6/49

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 1.552+/-21.475 χ^2/NDF: 18.9/21

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -16.070+/-21.542 χ^2/NDF: 31.2/26

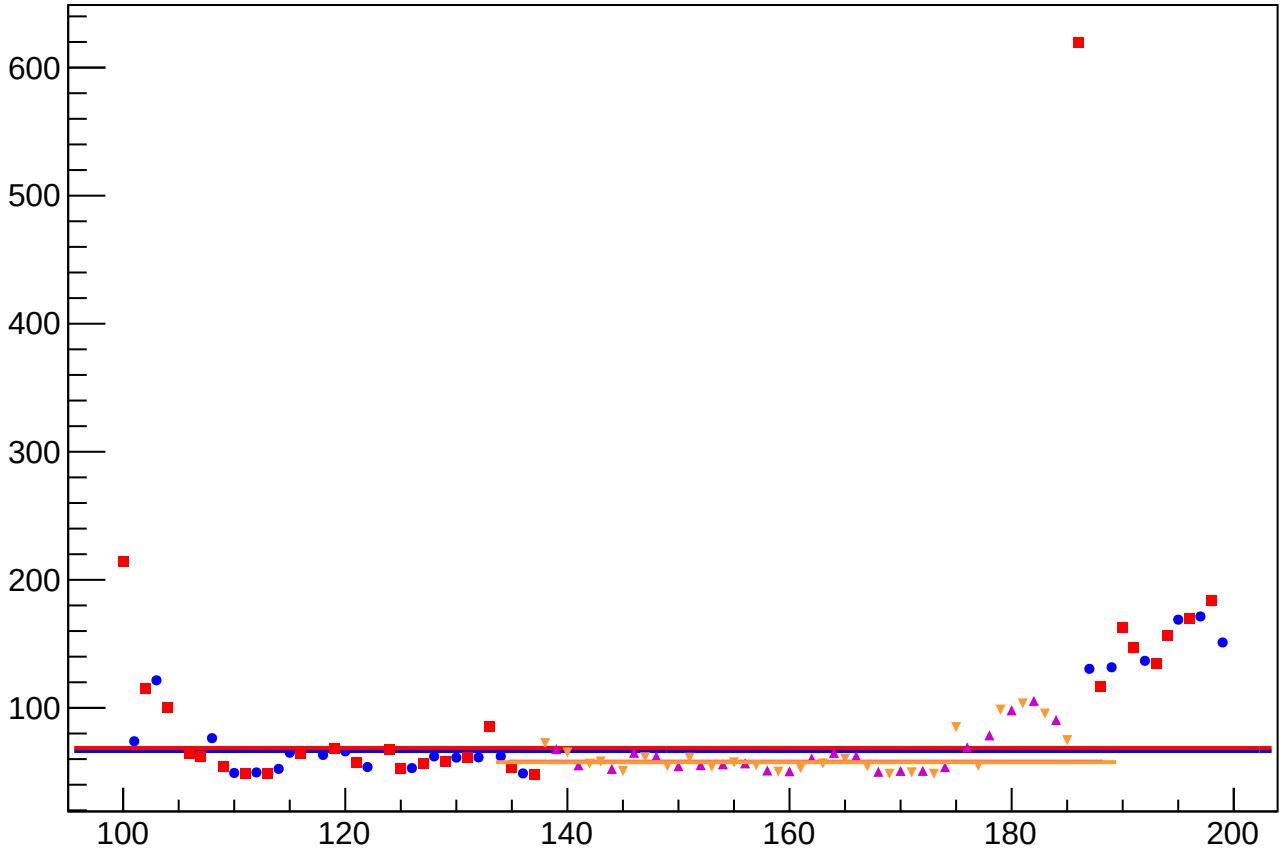
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 34.220+/-11.436 χ^2/NDF: 39.1/46

All: -2.610+/-8.178 χ^2/NDF: 131.7/96

- sign -41.156+/-11.700 χ^2/NDF: 71.3/49

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 66.359+/-0.015 χ^2/NDF: 3497525.8/21

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

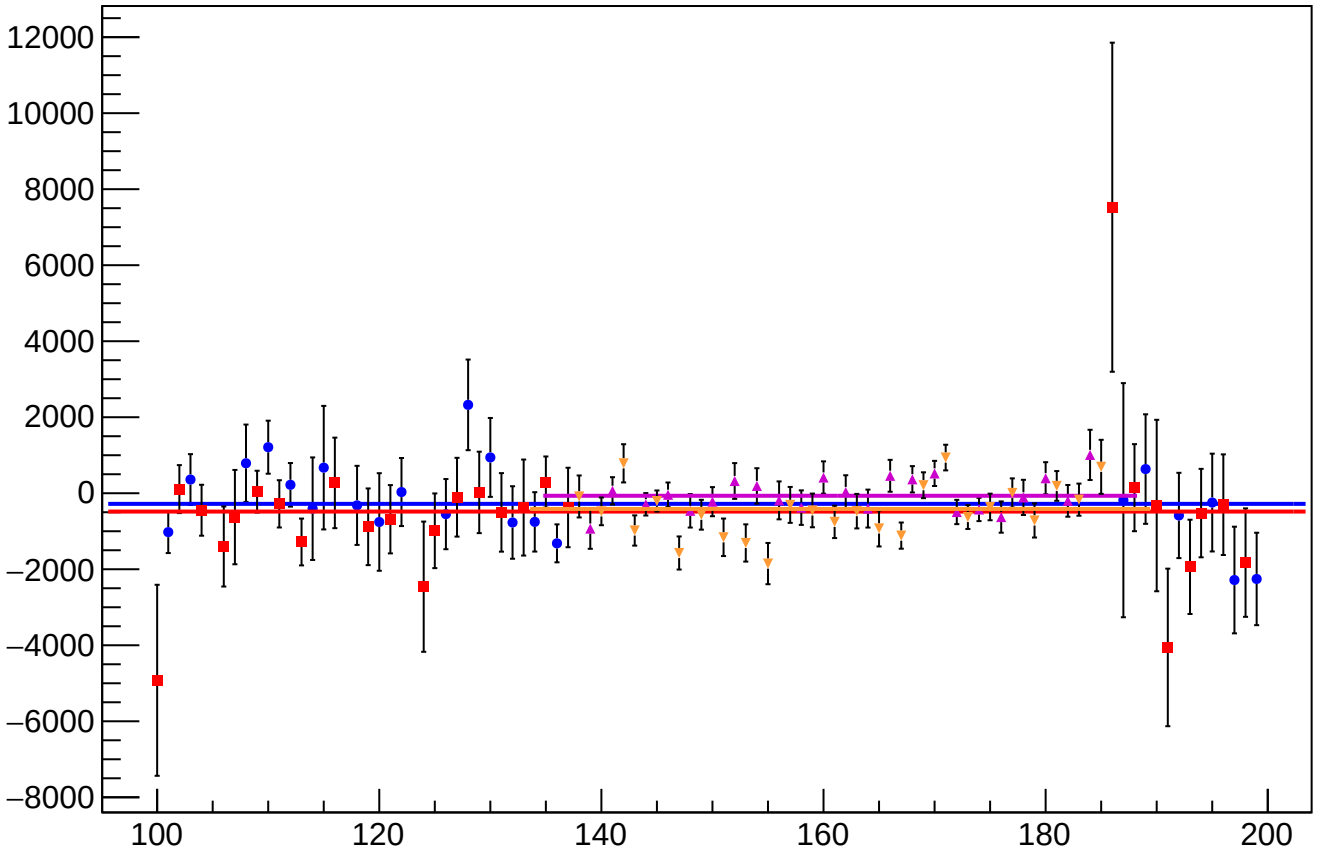
Right Out: 68.665+/-0.015 χ^2/NDF: 4606279.7/26

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 60.106+/-0.008 χ^2/NDF: 5099646.9/46

All: 60.594+/-0.006 χ^2/NDF: 11187370.4/96

- sign 61.104+/-0.008 χ^2/NDF: 6080290.1/49



Right In: -279.399+/-188.916 χ^2/NDF: 26.1/21

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

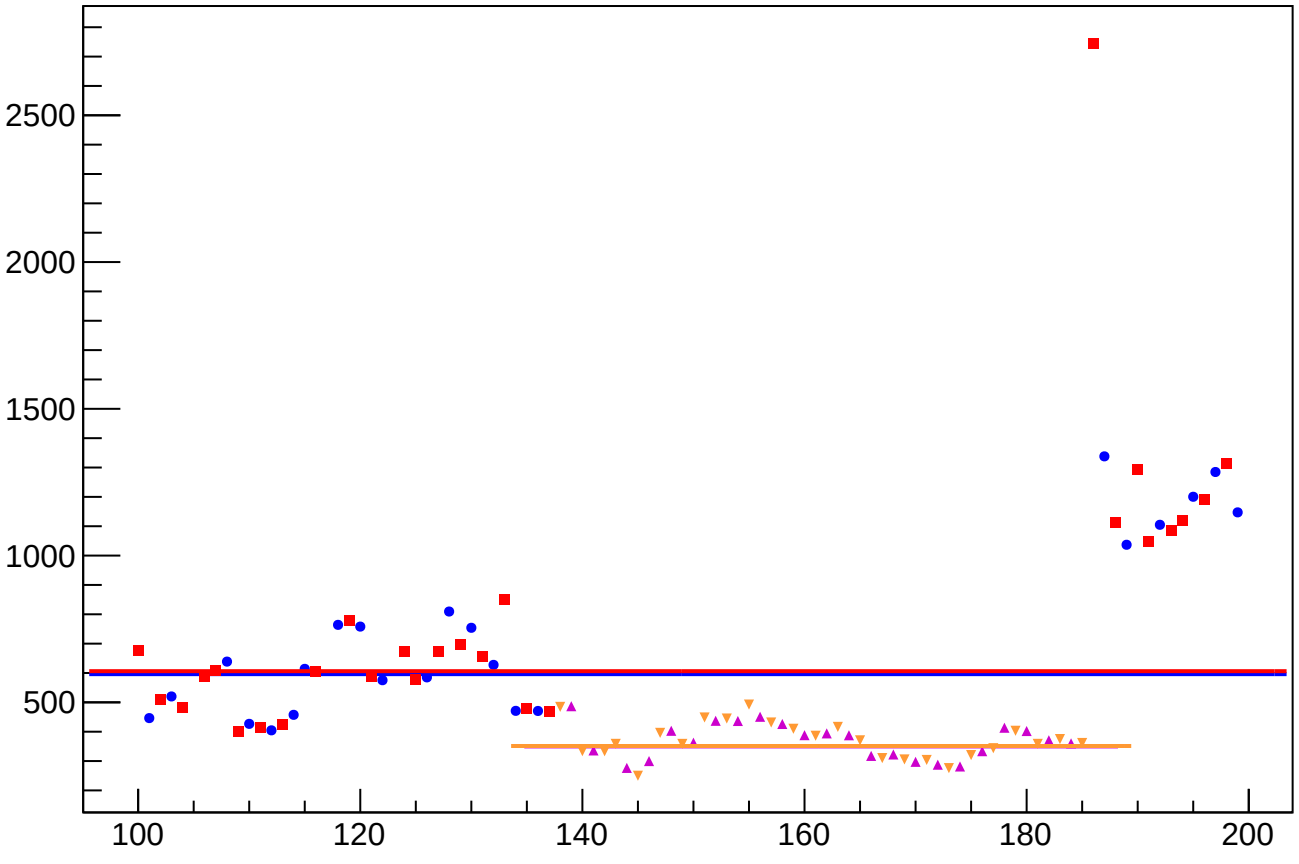
Right Out: -482.332+/-184.235 χ^2/NDF: 20.4/26

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -392.240+/-74.550 χ^2/NDF: 87.9/46

All: -266.580+/-53.129 χ^2/NDF: 141.1/96

- sign -136.887+/-75.737 χ^2/NDF: 47.5/49



Right In: 596.051+/-0.134 χ^2/NDF: 2962832.9/21

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 606.193+/-0.130 χ^2/NDF: 3756681.3/26

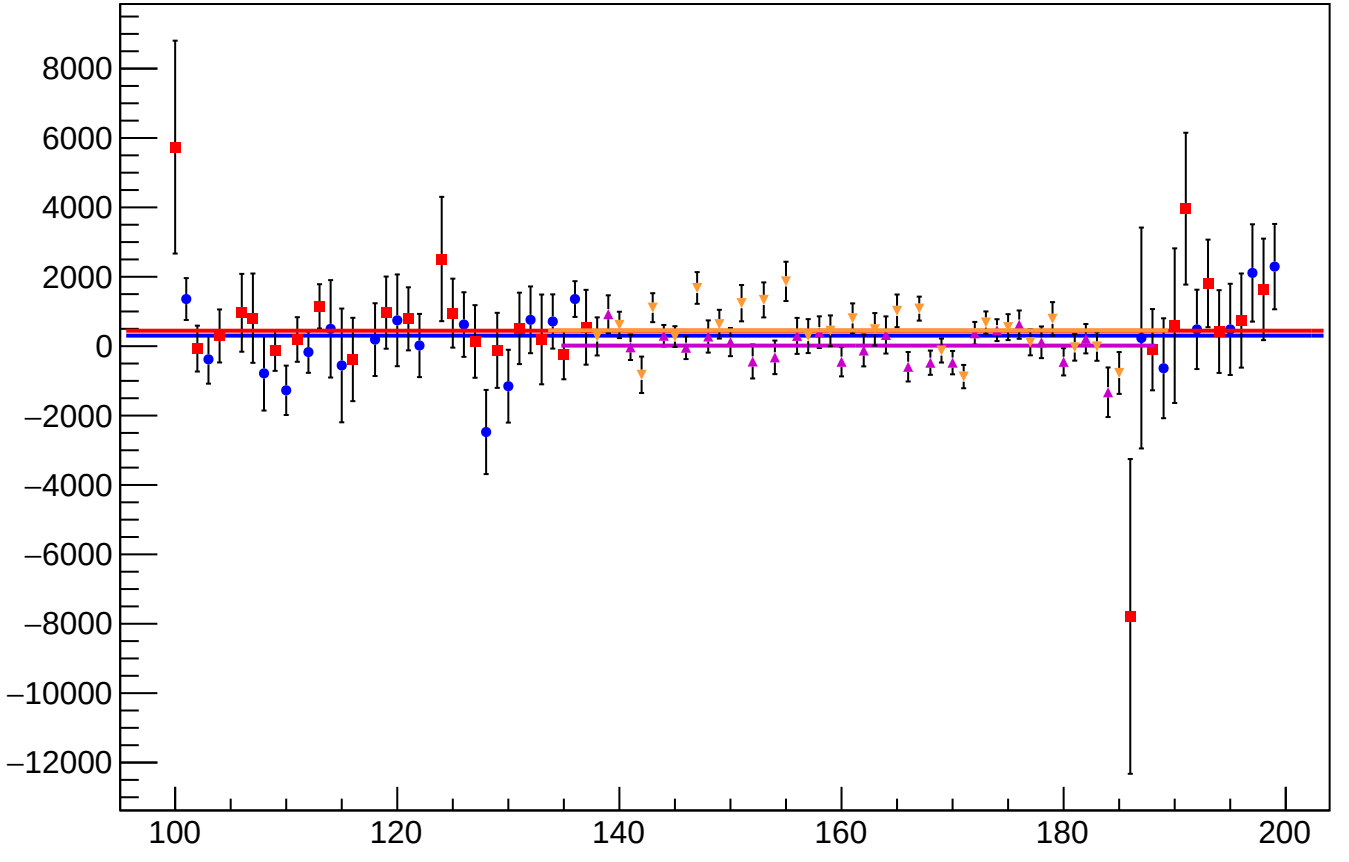
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 389.383+/-0.053 χ^2/NDF: 6916082.3/46

All: 391.232+/-0.038 χ^2/NDF: 14884179.7/96

- sign 393.140+/-0.054 χ^2/NDF: 7965598.3/49

asym_sam_1357_avg_mean vs Slug



Right In: 304.492+/-194.916 χ^2/NDF: 27.8/21

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 445.956+/-191.778 χ^2/NDF: 18.1/26

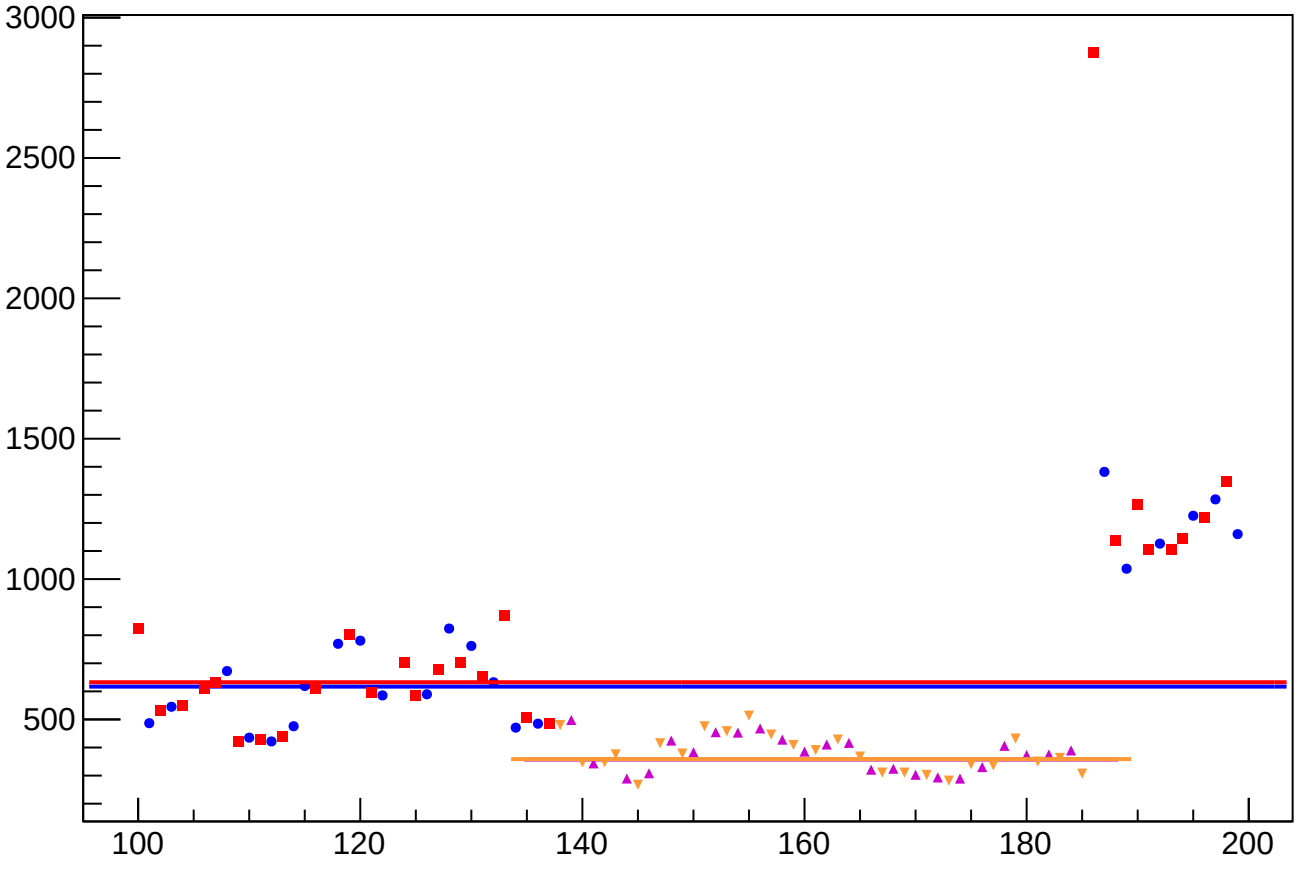
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 432.115+/-76.334 χ^2/NDF: 89.2/46

All: 262.065+/-54.411 χ^2/NDF: 146.4/96

- sign 86.420+/-77.580 χ^2/NDF: 47.1/49

asym_sam_1357_avg_rms vs Slug



Right In: 616.960+/-0.138 χ^2/NDF: 2812958.9/21

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

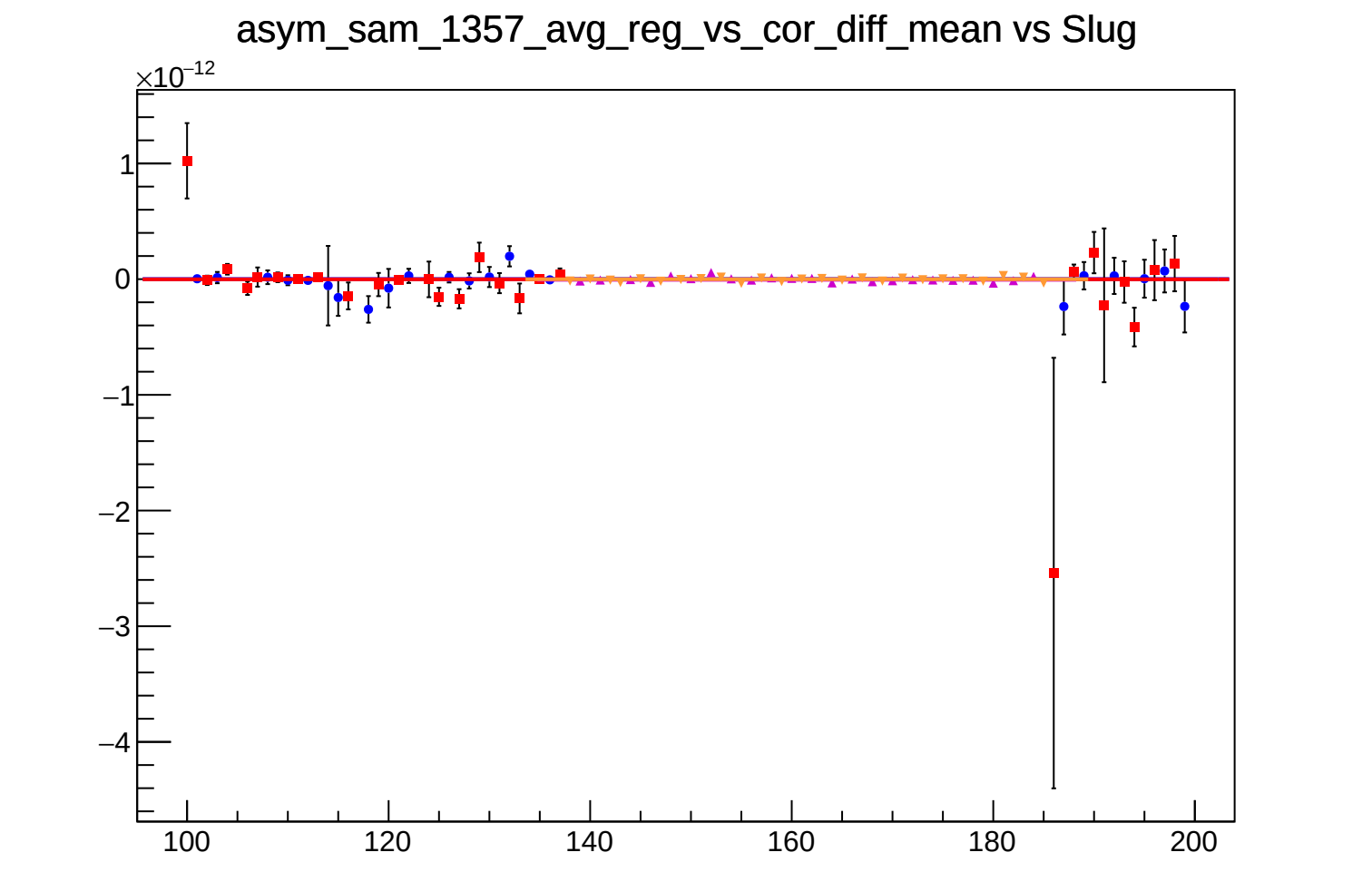
Right Out: 632.586+/-0.136 χ^2/NDF: 3591665.9/26

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 398.290+/-0.054 χ^2/NDF: 6905691.4/46

All: 400.238+/-0.038 χ^2/NDF: 14931219.3/96

- sign 402.250+/-0.055 χ^2/NDF: 8022879.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

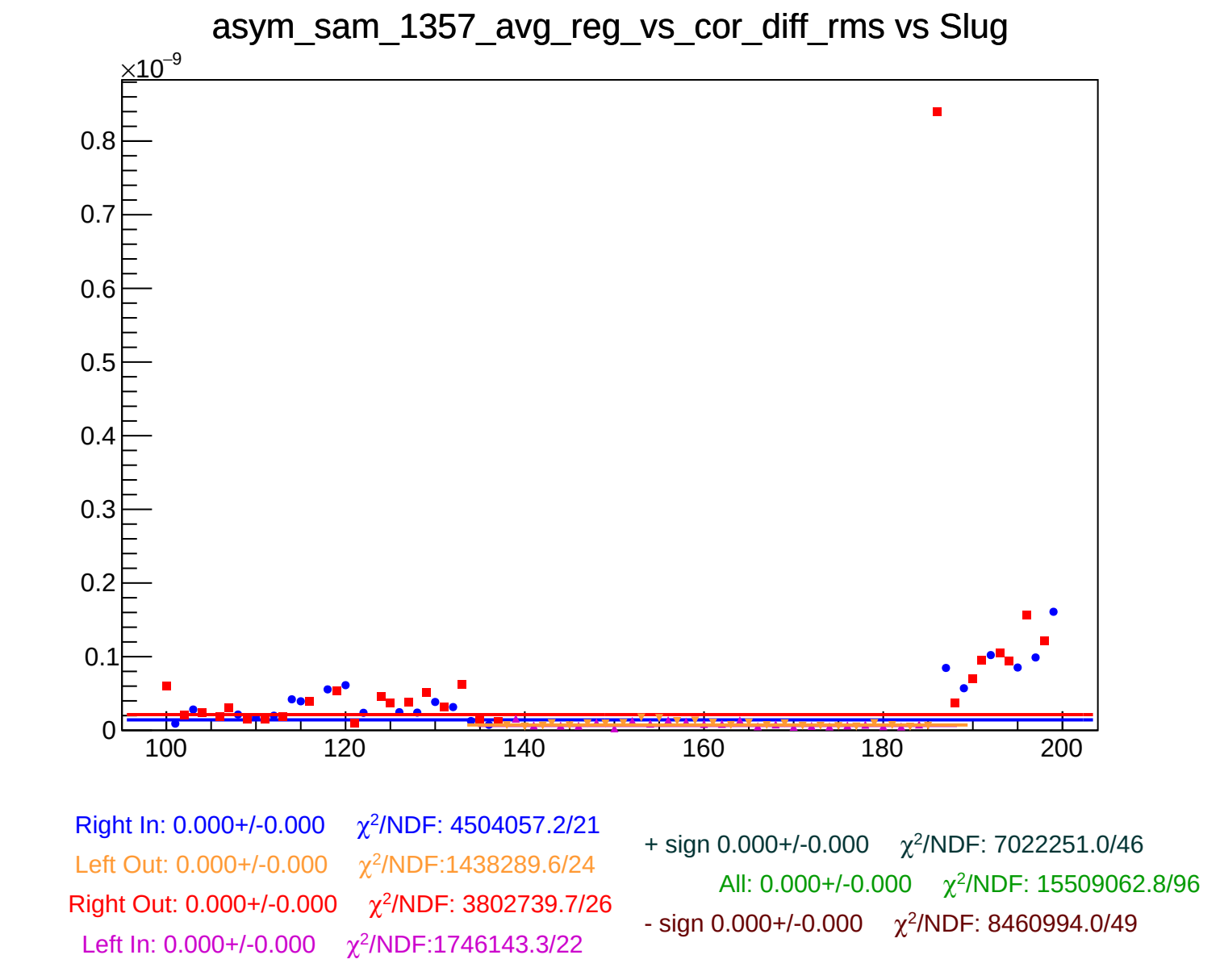
Right Out: -0.000+/-0.000 χ^2/NDF: 41.1/26

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

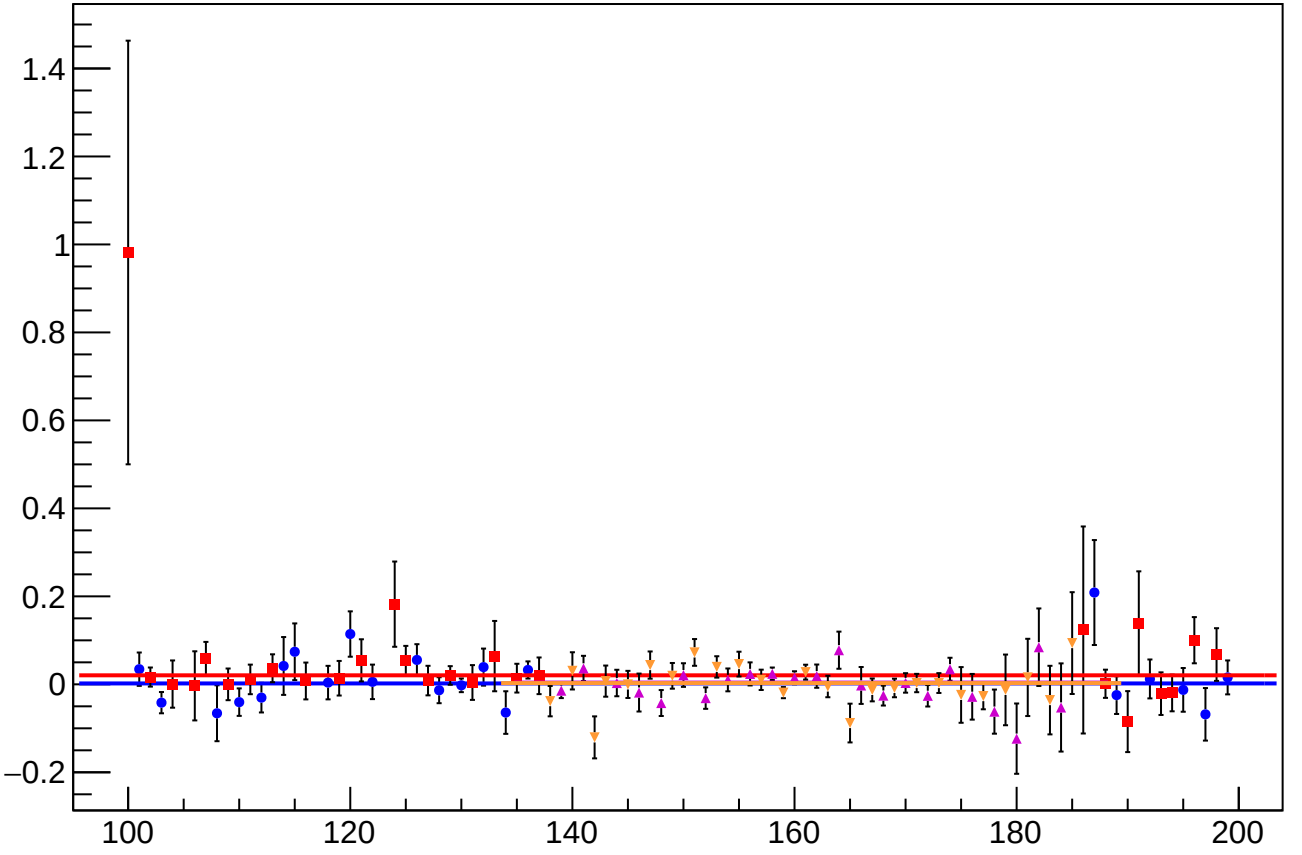
\+ sign -0.000+/-0.000 χ^2/NDF: 34.1/46

All: -0.000+/-0.000 χ^2/NDF: 105.3/96

\- sign -0.000+/-0.000 χ^2/NDF: 69.8/49


asym_sam_1357_avg_reg_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: 4504057.2/21
Left Out: 0.000+/-0.000 χ²/NDF:1438289.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3802739.7/26
Left In: 0.000+/-0.000 χ²/NDF:1746143.3/22
+ sign 0.000+/-0.000 χ²/NDF: 7022251.0/46
All: 0.000+/-0.000 χ²/NDF: 15509062.8/96
- sign 0.000+/-0.000 χ²/NDF: 8460994.0/49

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.008 χ^2/NDF: 19.3/26

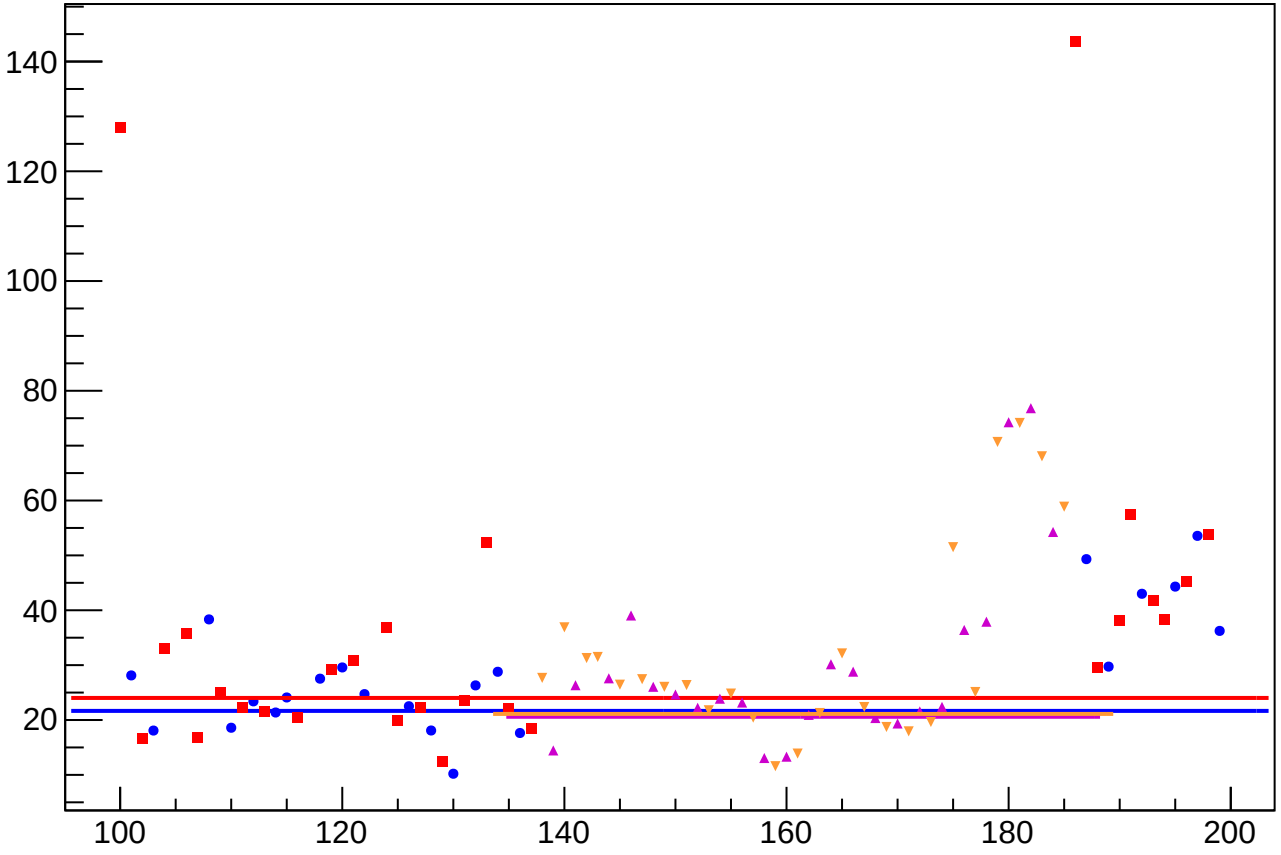
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 59.8/46

All: 0.006+/-0.003 χ^2/NDF: 108.0/96

- sign 0.009+/-0.004 χ^2/NDF: 47.0/49

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 21.661+/-0.005 χ^2/NDF: 3554064.0/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

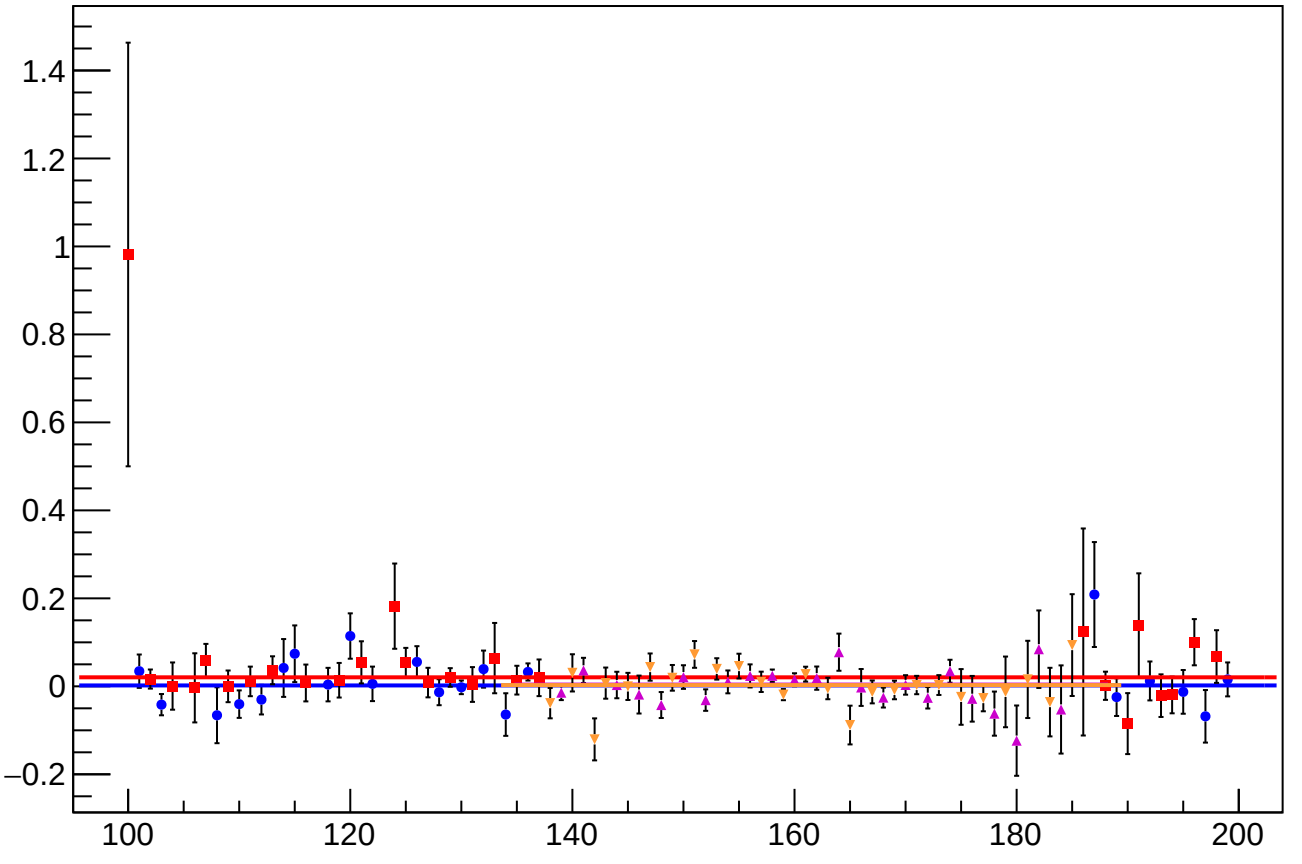
Right Out: 24.022+/-0.005 χ^2/NDF: 3727156.1/26

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.307+/-0.003 χ^2/NDF: 9107971.9/46

All: 21.517+/-0.002 χ^2/NDF: 17709630.6/96

- sign 21.735+/-0.003 χ^2/NDF: 8592224.0/49



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

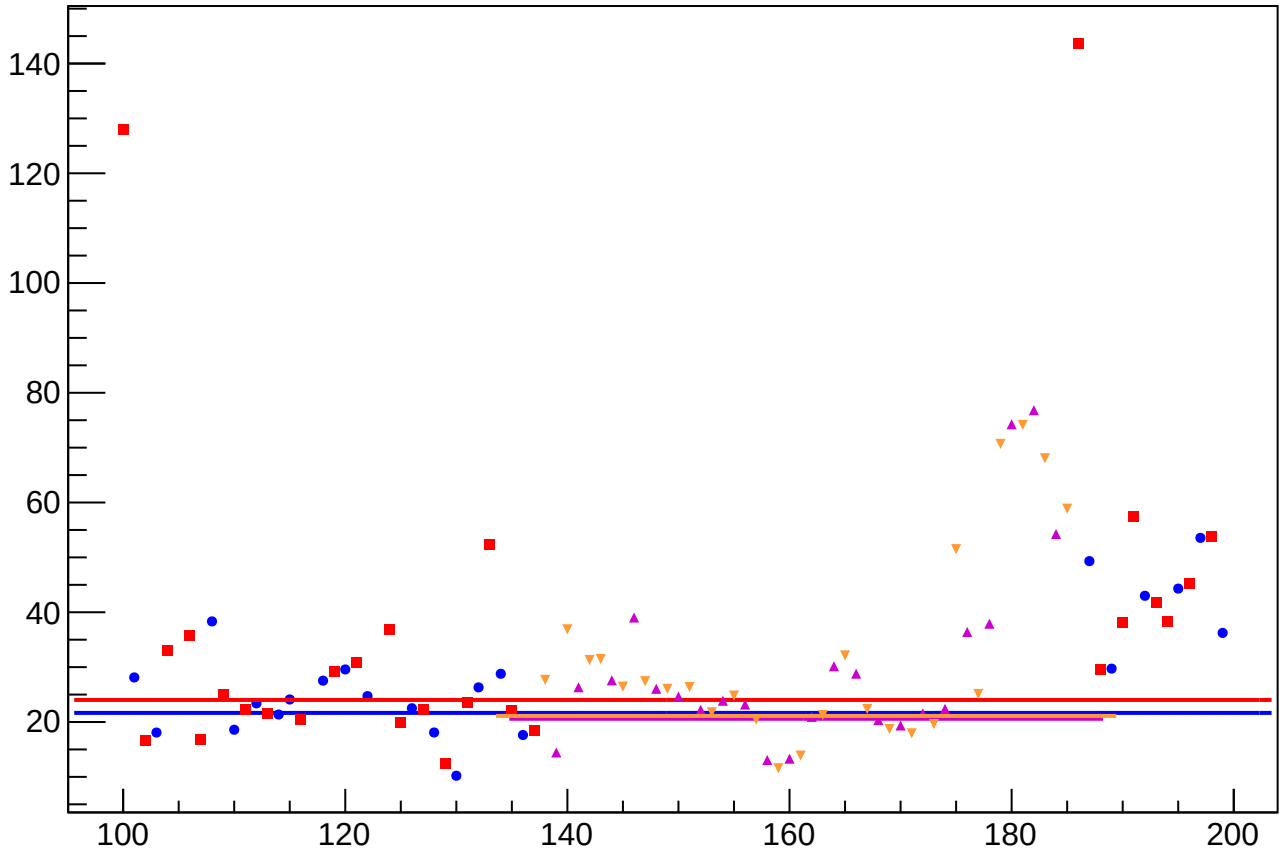
Right Out: 0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 59.8/46

All: 0.006+/-0.003 χ^2/NDF: 108.0/96

- sign 0.009+/-0.004 χ^2/NDF: 47.0/49



Right In: 21.661+/-0.005 χ^2/NDF: 3554064.0/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

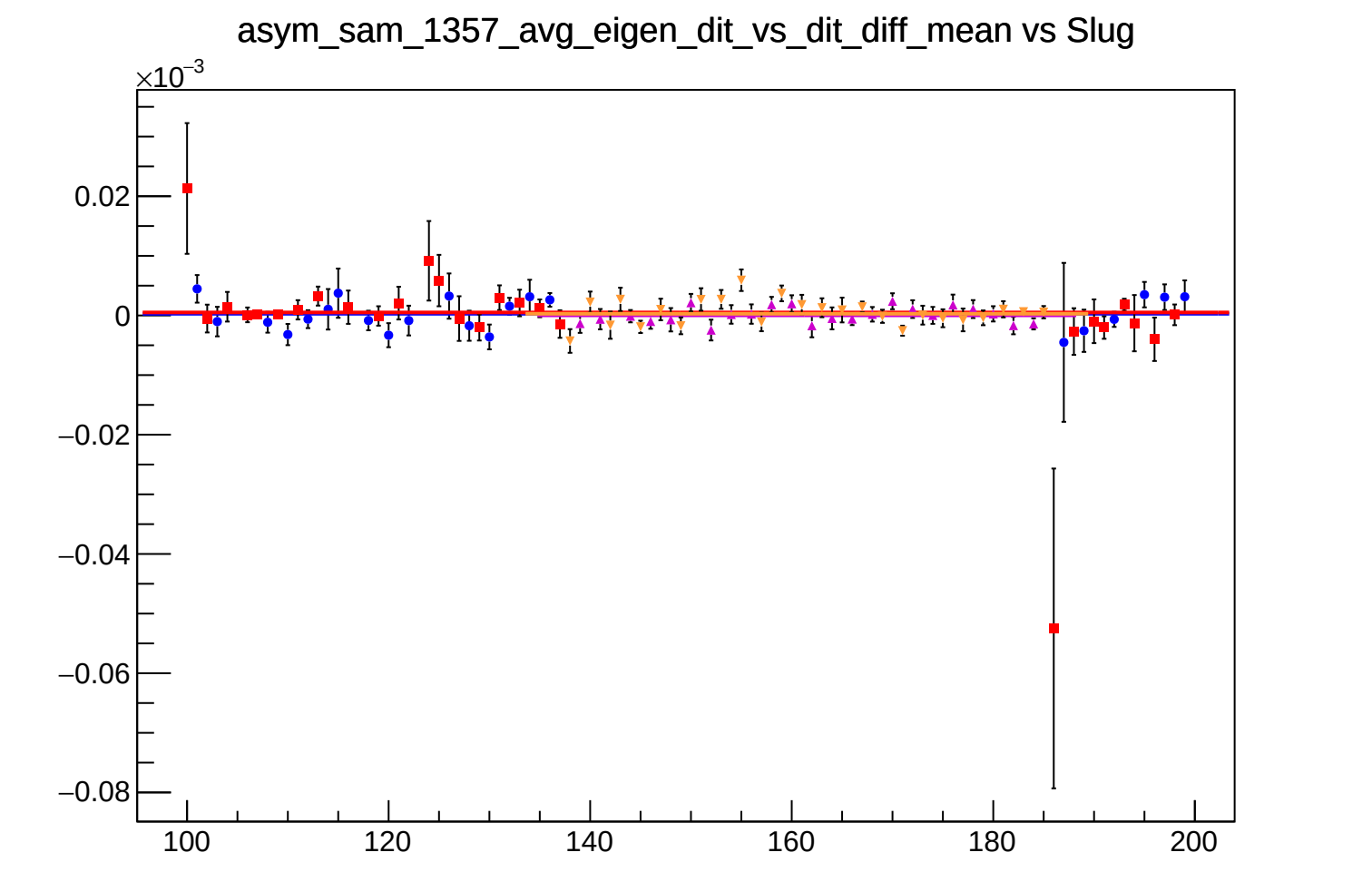
Right Out: 24.022+/-0.005 χ^2/NDF: 3727156.1/26

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

\+ sign 21.307+/-0.003 χ^2/NDF: 9107971.9/46

All: 21.517+/-0.002 χ^2/NDF: 17709630.6/96

\- sign 21.735+/-0.003 χ^2/NDF: 8592224.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

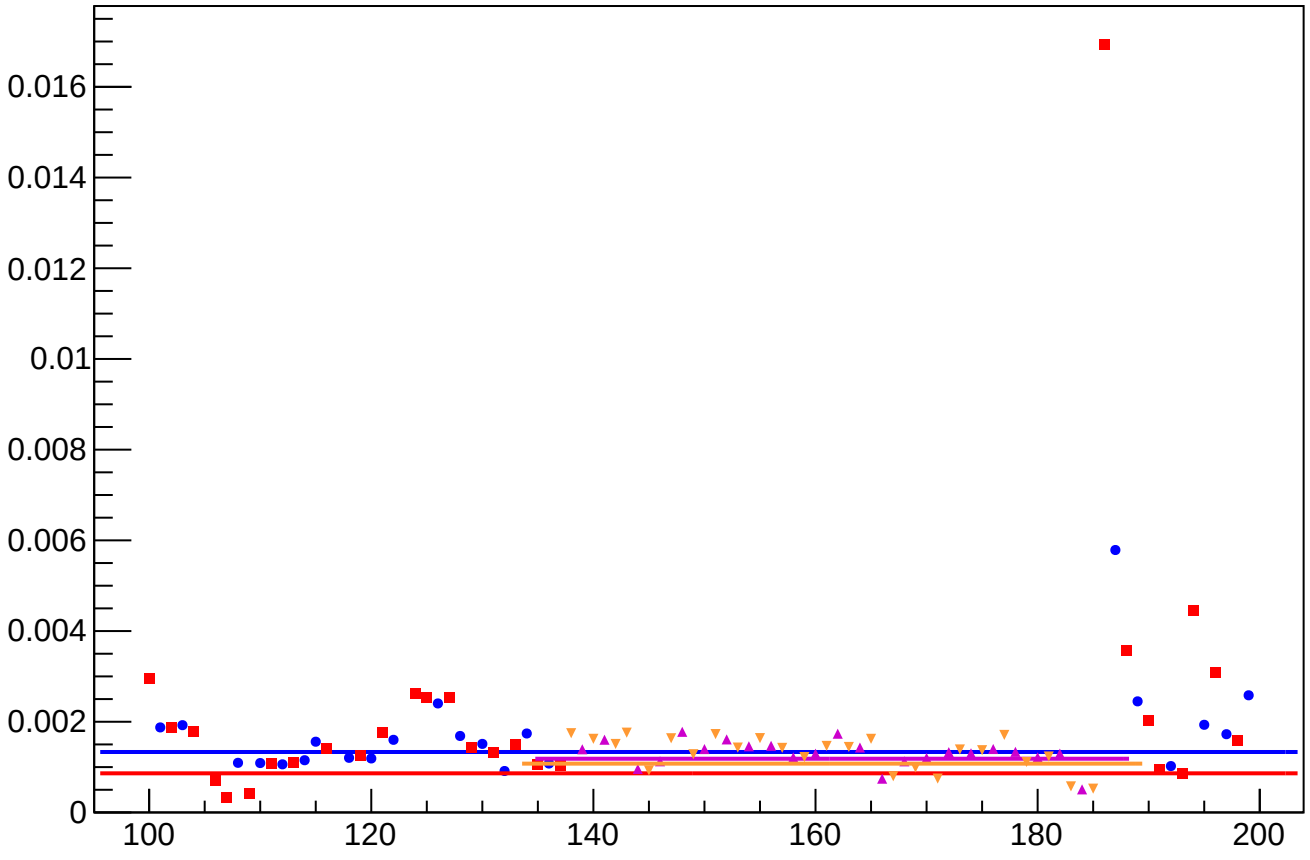
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/26

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.7/46

All: 0.000+/-0.000 χ^2/NDF: 129.4/96

- sign 0.000+/-0.000 χ^2/NDF: 46.8/49



Right In: 0.001+/-0.000 χ^2/NDF: 2133674.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

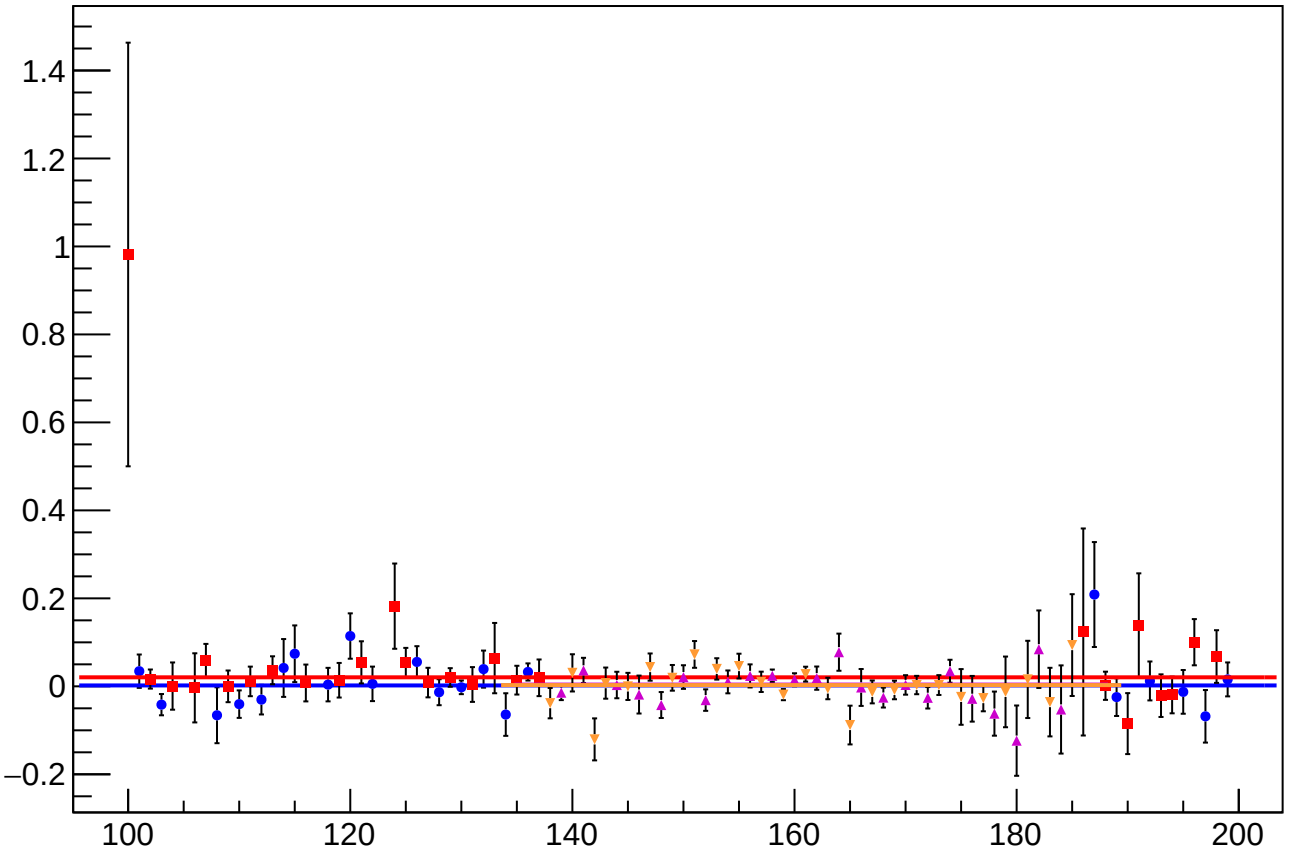
Right Out: 0.001+/-0.000 χ^2/NDF: 8990853.9/26

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 7203882.0/46

All: 0.001+/-0.000 χ^2/NDF: 20090286.8/96

- sign 0.001+/-0.000 χ^2/NDF: 12613225.9/49



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

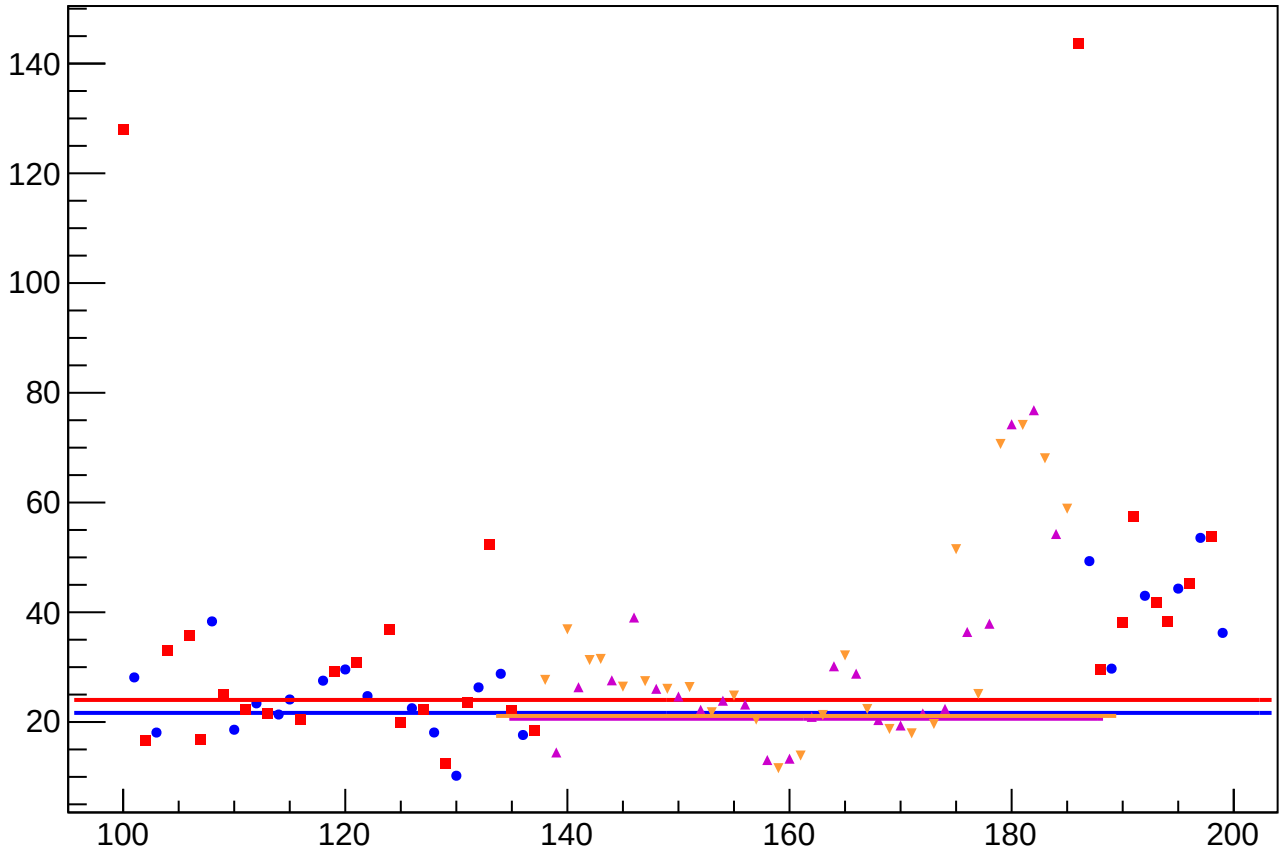
Right Out: 0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 59.8/46

All: 0.006+/-0.003 χ^2/NDF: 108.0/96

- sign 0.009+/-0.004 χ^2/NDF: 47.0/49



Right In: 21.661+/-0.005 χ^2/NDF: 3553862.1/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

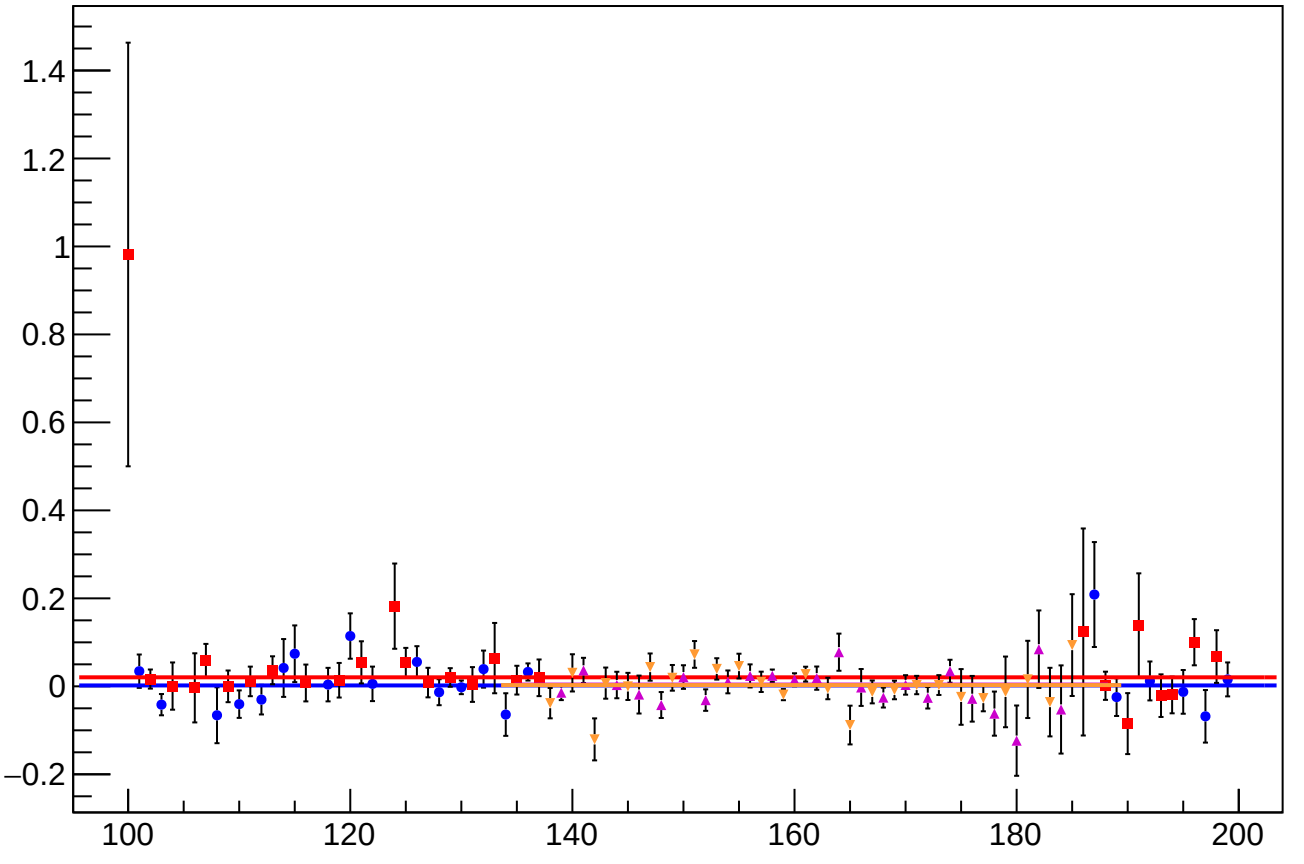
Right Out: 24.022+/-0.005 χ^2/NDF: 3727127.8/26

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.308+/-0.003 χ^2/NDF: 9107915.1/46

All: 21.518+/-0.002 χ^2/NDF: 17709546.8/96

- sign 21.735+/-0.003 χ^2/NDF: 8592195.3/49



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

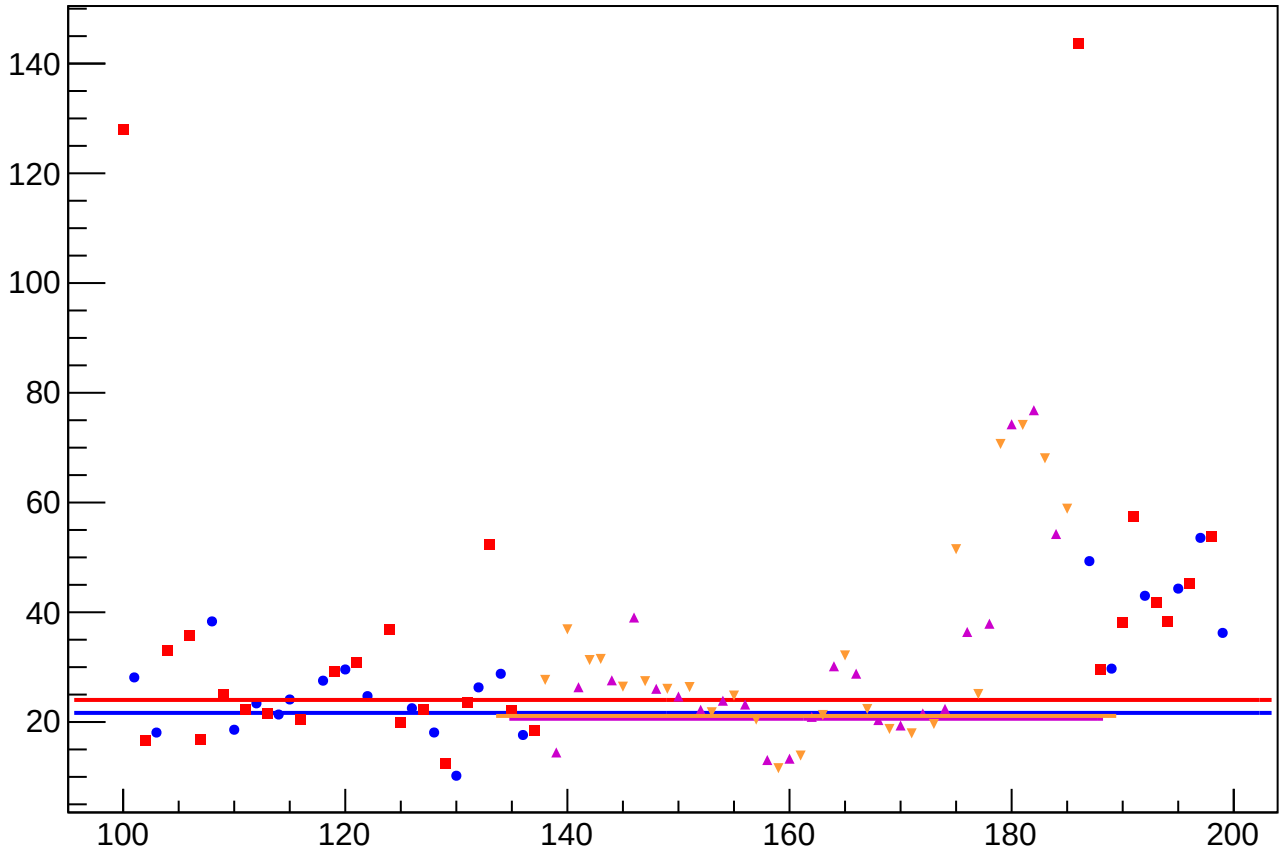
Right Out: 0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 59.8/46

All: 0.006+/-0.003 χ^2/NDF: 108.0/96

- sign 0.009+/-0.004 χ^2/NDF: 47.0/49



Right In: 21.661+/-0.005 χ^2/NDF: 3553862.1/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

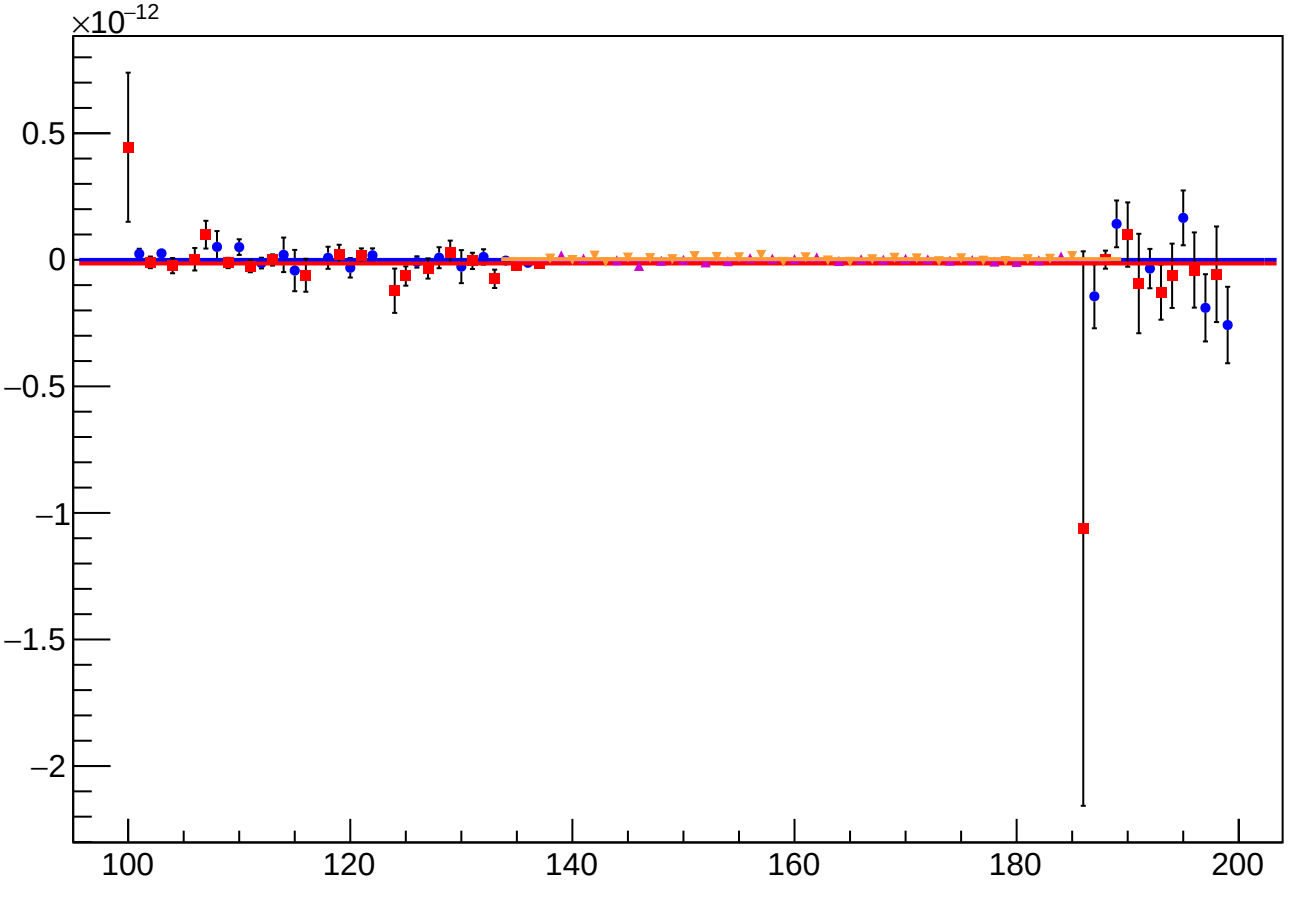
Right Out: 24.022+/-0.005 χ^2/NDF: 3727127.8/26

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.308+/-0.003 χ^2/NDF: 9107915.1/46

All: 21.518+/-0.002 χ^2/NDF: 17709546.8/96

- sign 21.735+/-0.003 χ^2/NDF: 8592195.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 21.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

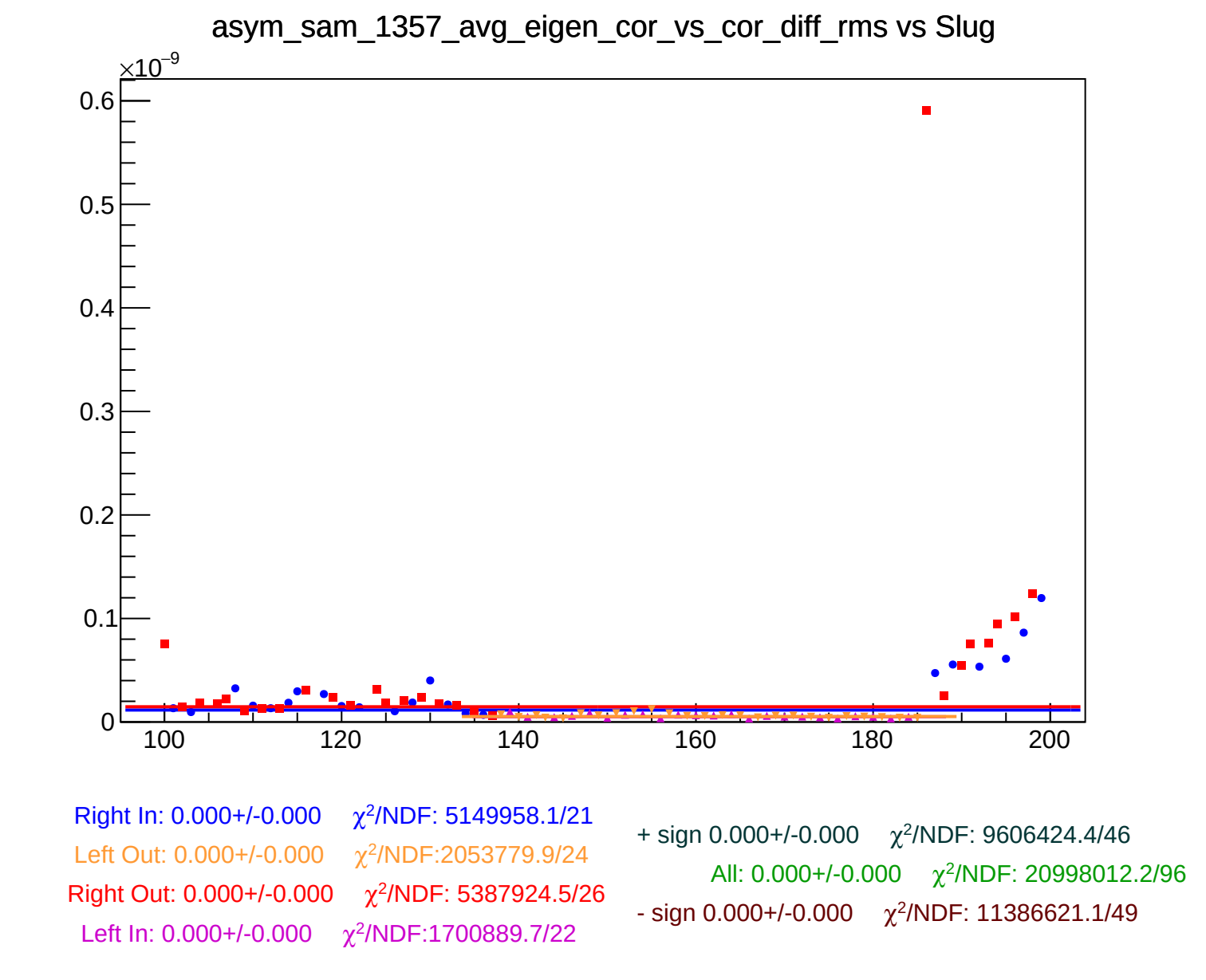
Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/26

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

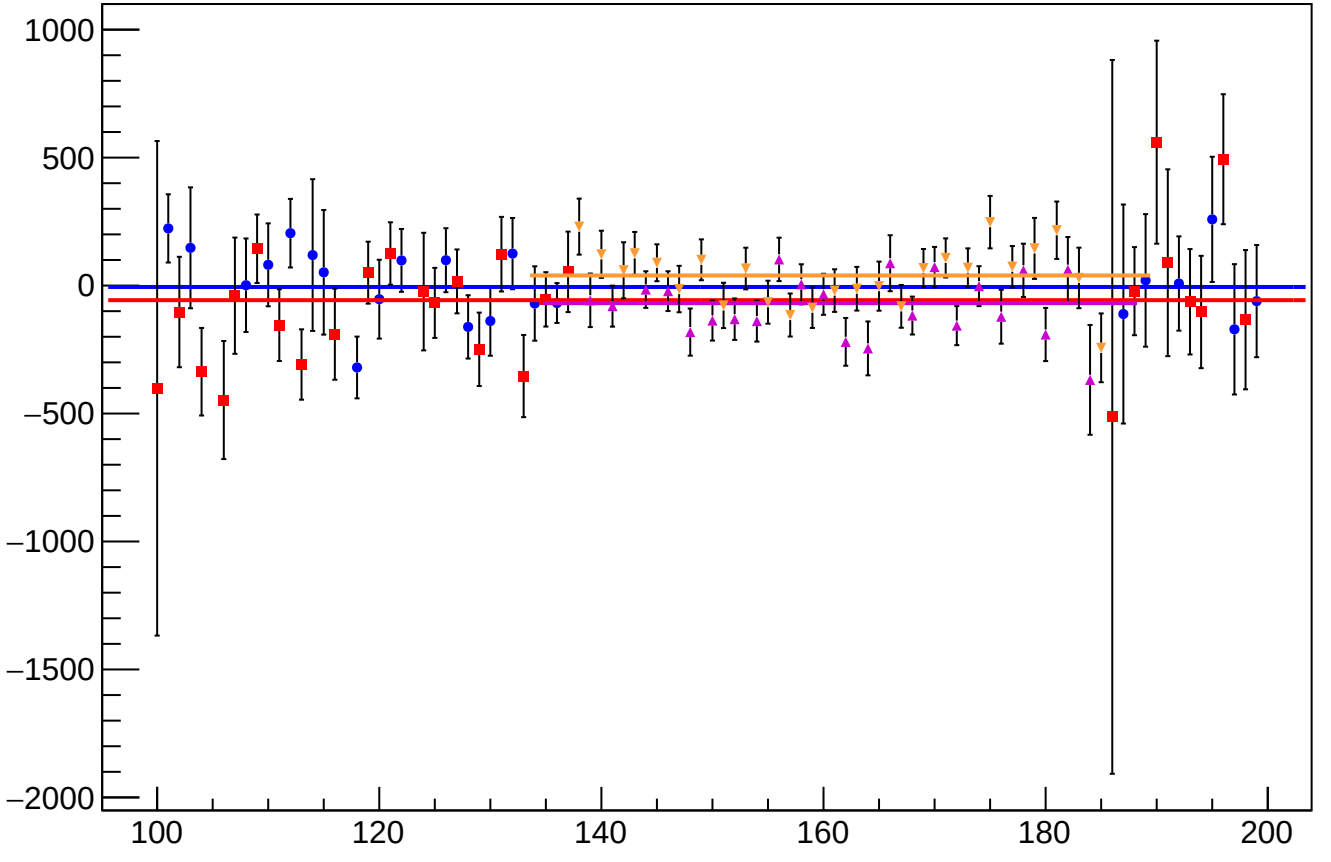
+ sign 0.000+/-0.000 χ^2/NDF: 42.5/46

All: 0.000+/-0.000 χ^2/NDF: 92.8/96

- sign -0.000+/-0.000 χ^2/NDF: 46.8/49


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5149958.1/21
Left Out: 0.000+/-0.000 χ²/NDF:2053779.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 5387924.5/26
Left In: 0.000+/-0.000 χ²/NDF:1700889.7/22
+ sign 0.000+/-0.000 χ²/NDF: 9606424.4/46
All: 0.000+/-0.000 χ²/NDF: 20998012.2/96
- sign 0.000+/-0.000 χ²/NDF: 11386621.1/49

reg_asym_sam_2468_avg_mean vs Slug



Right In: -5.485+/-32.386 χ^2/NDF: 20.7/21

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -57.058+/-32.559 χ^2/NDF: 30.5/26

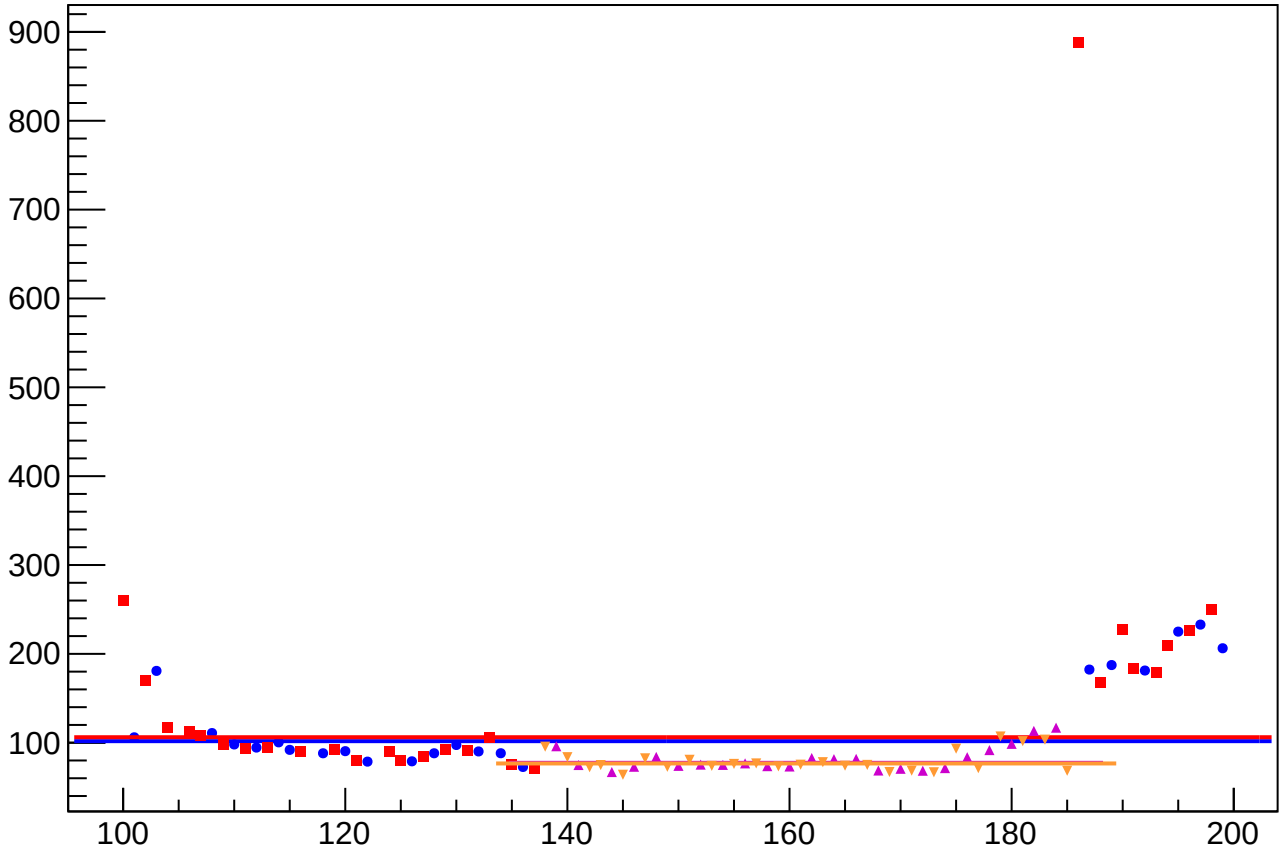
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.166+/-15.509 χ^2/NDF: 54.1/46

All: -16.963+/-11.124 χ^2/NDF: 131.9/96

- sign -65.840+/-15.964 χ^2/NDF: 59.6/49

reg_asym_sam_2468_avg_rms vs Slug



Right In: 101.734+/-0.023 χ^2/NDF: 2904827.9/21

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

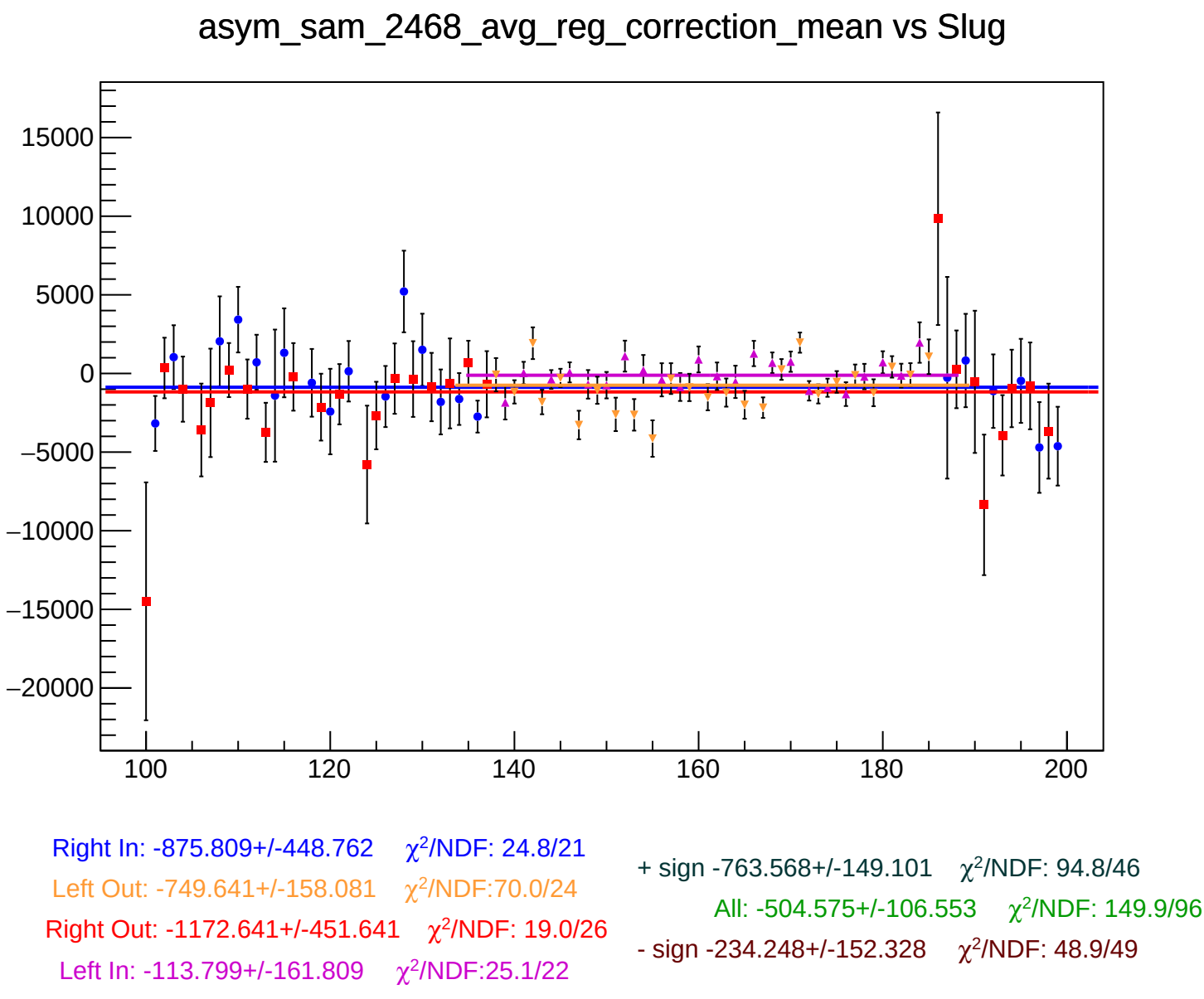
Right Out: 106.170+/-0.023 χ^2/NDF: 3728218.4/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

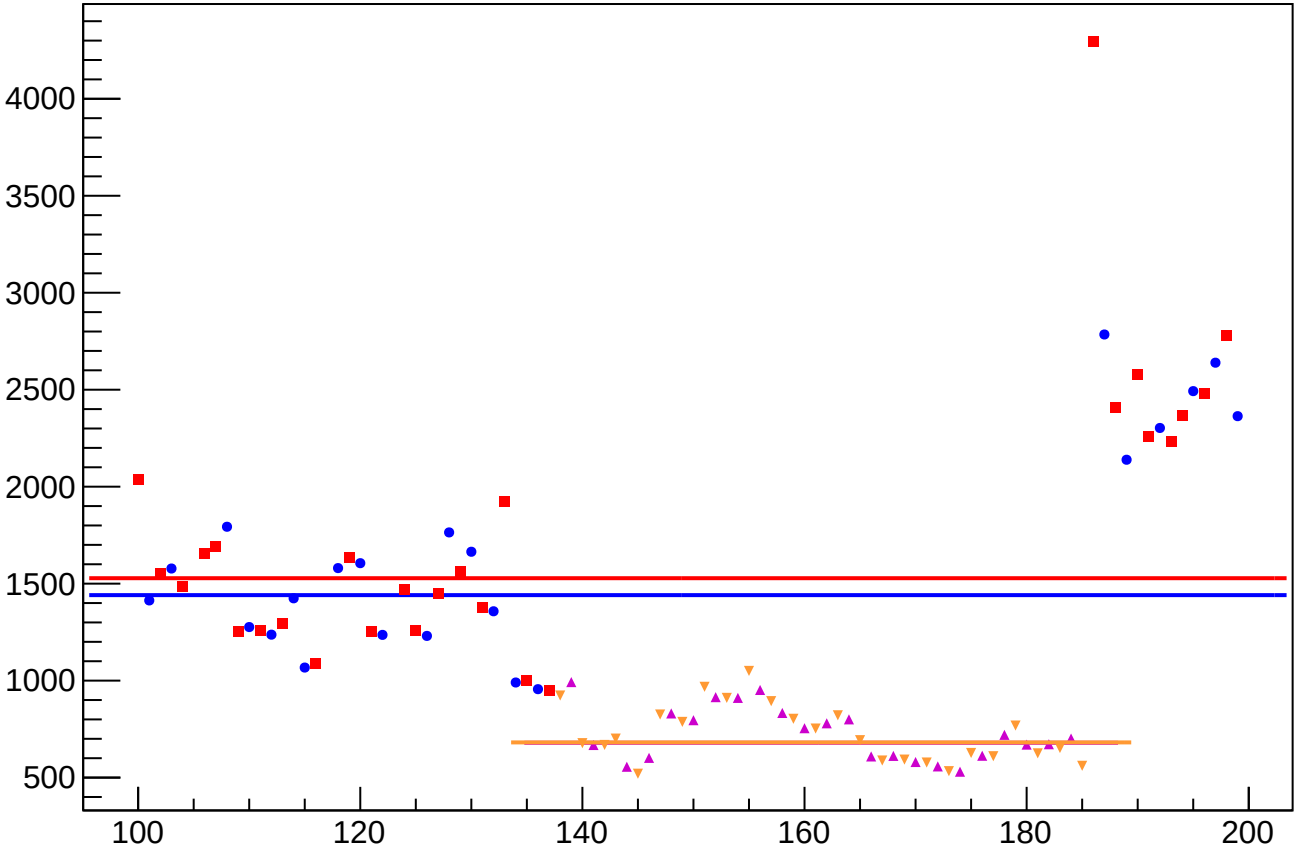
+ sign 82.400+/-0.011 χ^2/NDF: 4484402.6/46

All: 83.311+/-0.008 χ^2/NDF: 10007704.4/96

- sign 84.277+/-0.011 χ^2/NDF: 5509069.4/49


asym_sam_2468_avg_reg_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -875.809+/-448.762 χ²/NDF: 24.8/21
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: -1172.641+/-451.641 χ²/NDF: 19.0/26
Left In: -113.799+/-161.809 χ²/NDF:25.1/22
+ sign -763.568+/-149.101 χ²/NDF: 94.8/46
All: -504.575+/-106.553 χ²/NDF: 149.9/96
- sign -234.248+/-152.328 χ²/NDF: 48.9/49

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1440.828+/-0.317 χ^2/NDF: 2231012.1/21

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1528.092+/-0.319 χ^2/NDF: 2503666.4/26

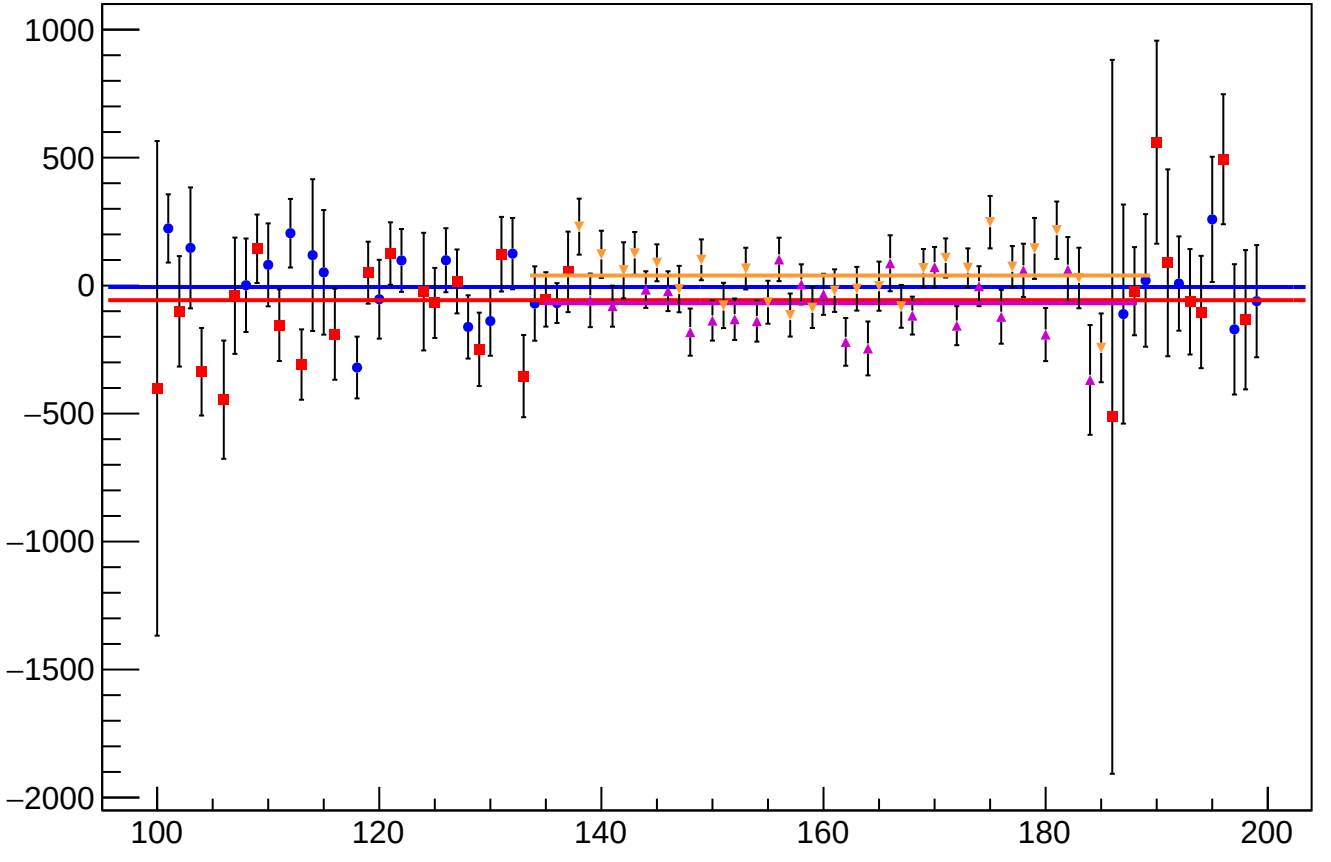
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

\+ sign 765.256+/-0.105 χ^2/NDF: 8660185.7/46

All: 770.491+/-0.075 χ^2/NDF: 18612849.0/96

\- sign 775.955+/-0.108 χ^2/NDF: 9947624.5/49

cor_asym_sam_2468_avg_mean vs Slug



Right In: -5.494+/-32.386 χ^2/NDF: 20.7/21

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -56.931+/-32.561 χ^2/NDF: 30.5/26

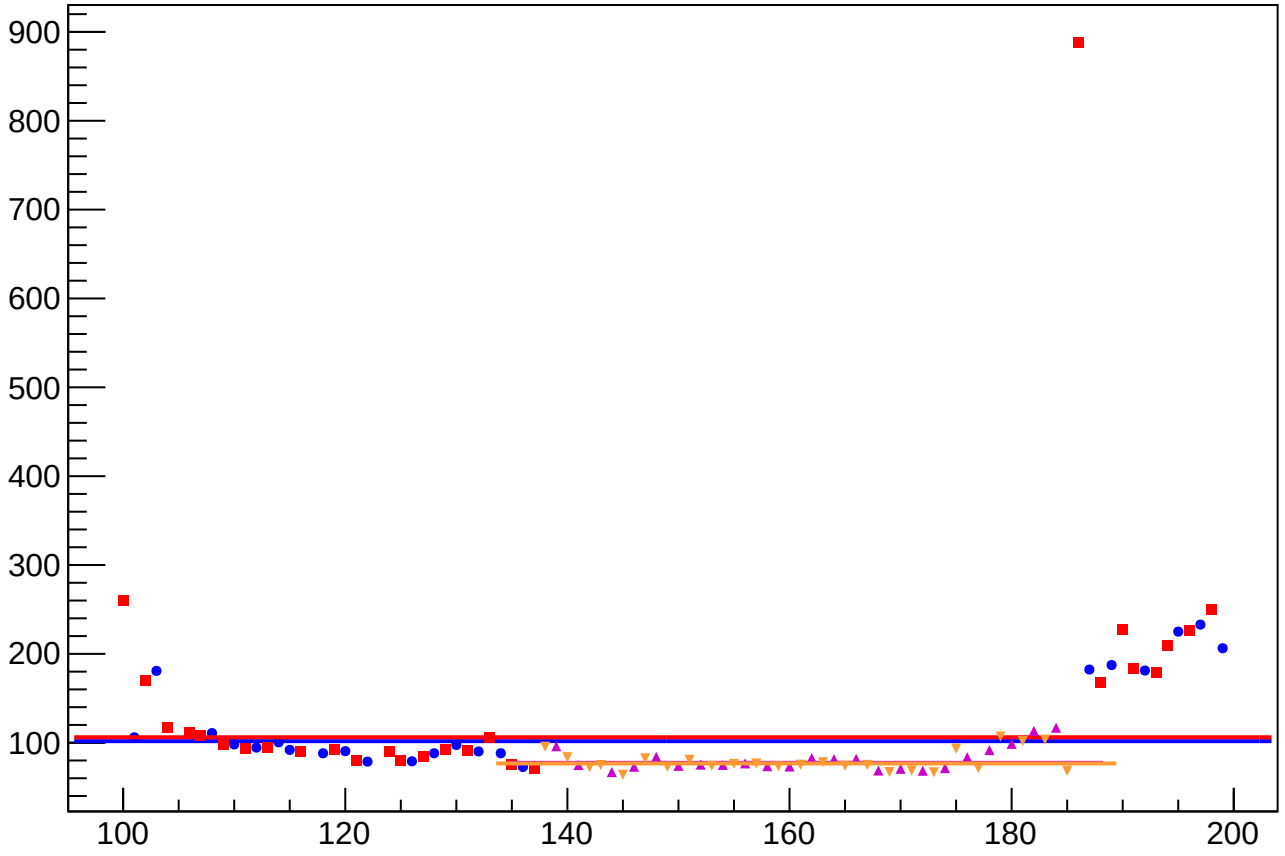
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.170+/-15.509 χ^2/NDF: 54.1/46

All: -16.945+/-11.124 χ^2/NDF: 131.9/96

- sign -65.810+/-15.964 χ^2/NDF: 59.6/49

cor_asym_sam_2468_avg_rms vs Slug



Right In: 101.734+/-0.023 χ^2/NDF: 2904831.4/21

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

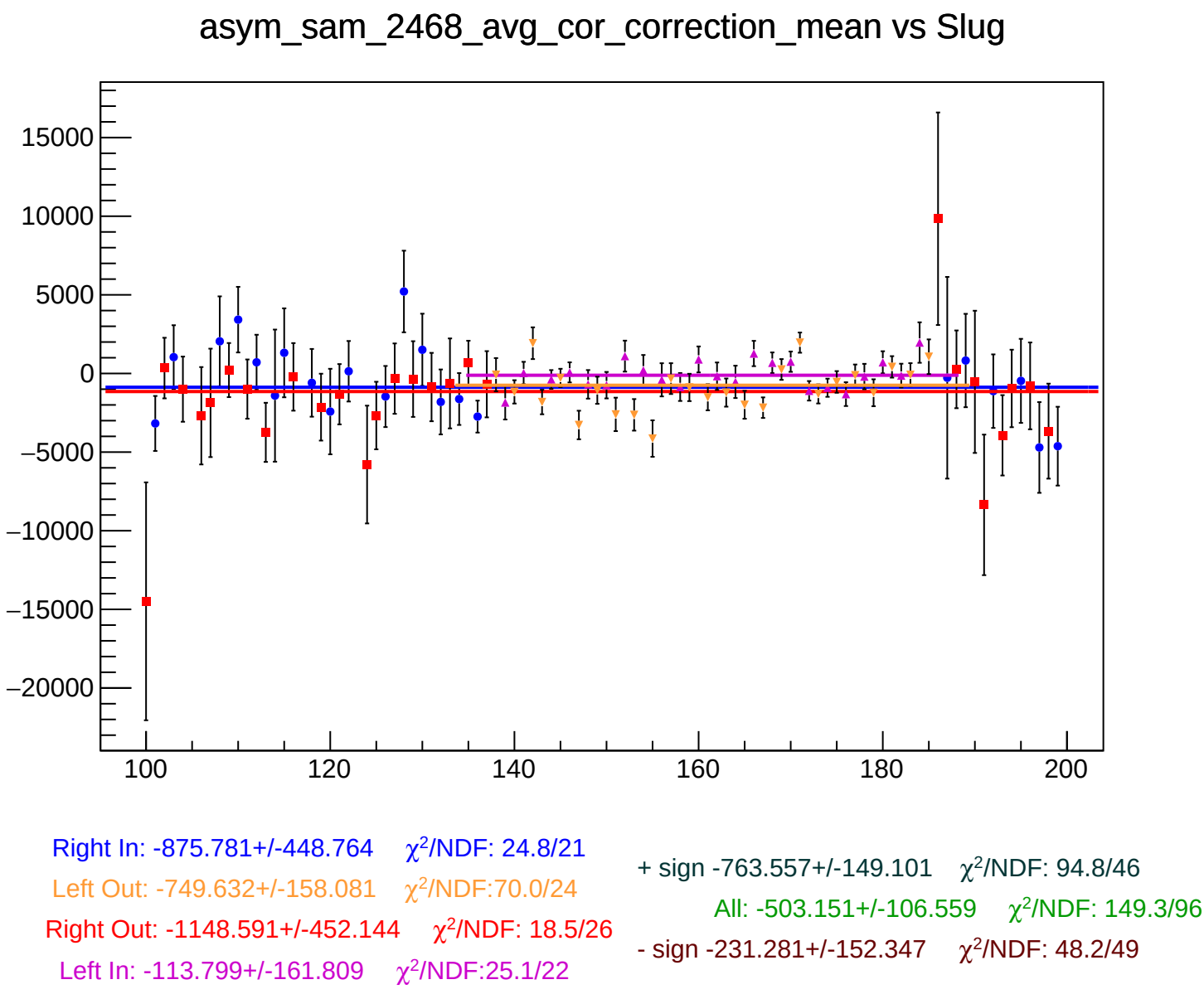
Right Out: 106.144+/-0.023 χ^2/NDF: 3727881.5/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

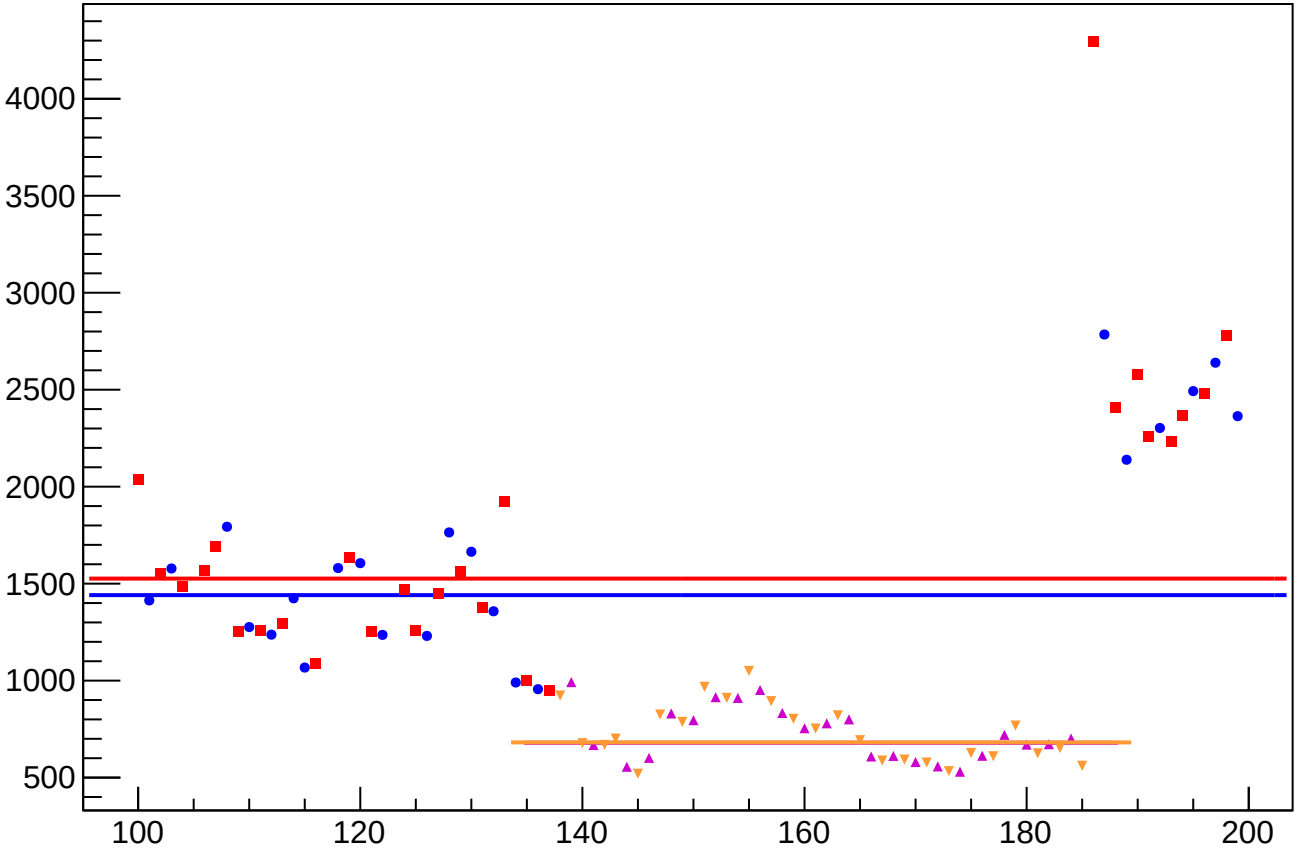
+ sign 82.400+/-0.011 χ^2/NDF: 4484406.1/46

All: 83.308+/-0.008 χ^2/NDF: 10005004.7/96

- sign 84.270+/-0.011 χ^2/NDF: 5506469.8/49


asym_sam_2468_avg_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -875.781+/-448.764 χ²/NDF: 24.8/21
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: -1148.591+/-452.144 χ²/NDF: 18.5/26
Left In: -113.799+/-161.809 χ²/NDF:25.1/22
+ sign -763.557+/-149.101 χ²/NDF: 94.8/46
All: -503.151+/-106.559 χ²/NDF: 149.3/96
- sign -231.281+/-152.347 χ²/NDF: 48.2/49

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1440.832+/-0.317 χ^2/NDF: 2231028.1/21

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1526.031+/-0.320 χ^2/NDF: 2500289.9/26

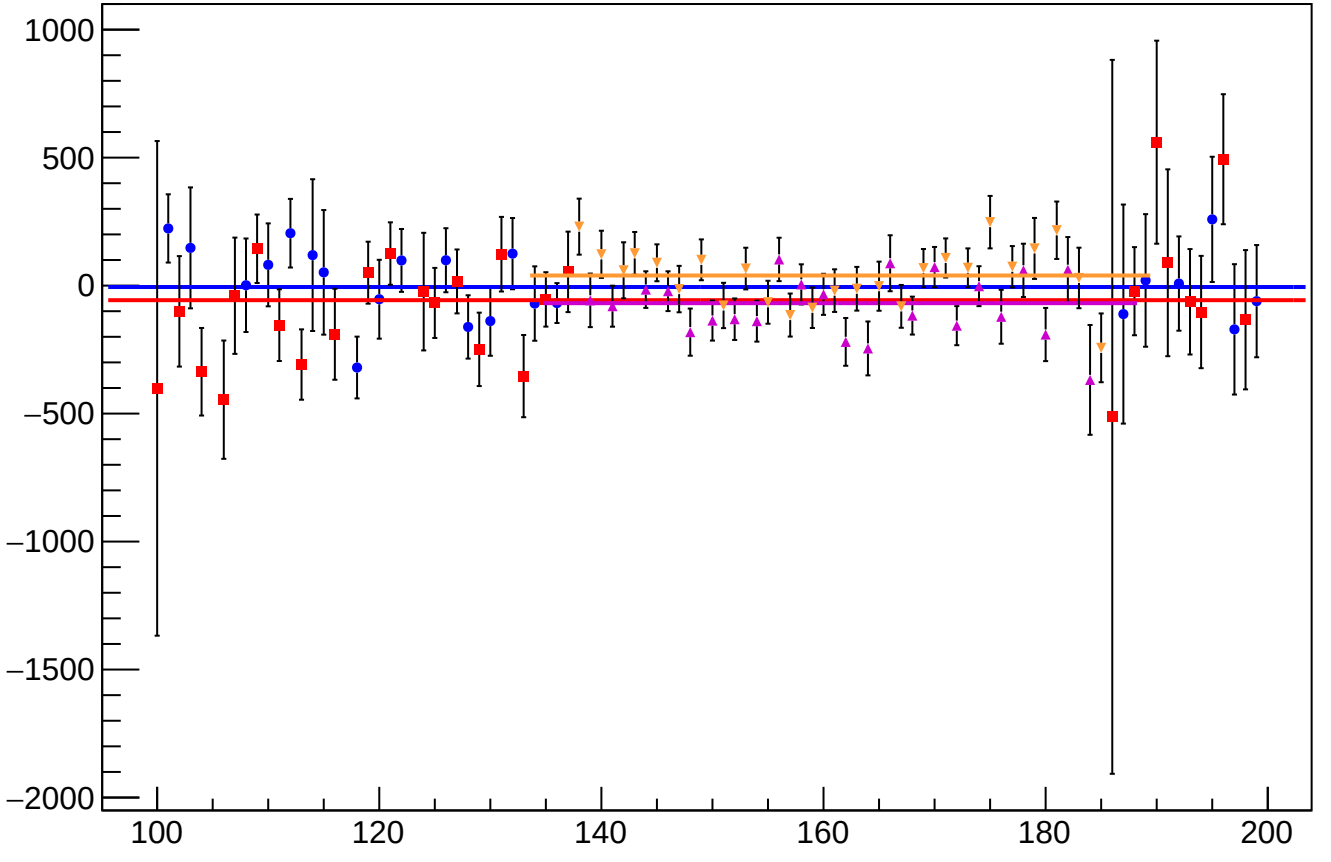
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

\+ sign 765.256+/-0.105 χ^2/NDF: 8660229.0/46

All: 770.283+/-0.075 χ^2/NDF: 18566475.2/96

\- sign 775.531+/-0.108 χ^2/NDF: 9901599.2/49

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -5.494+/-32.386 χ^2/NDF: 20.7/21

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -56.931+/-32.561 χ^2/NDF: 30.5/26

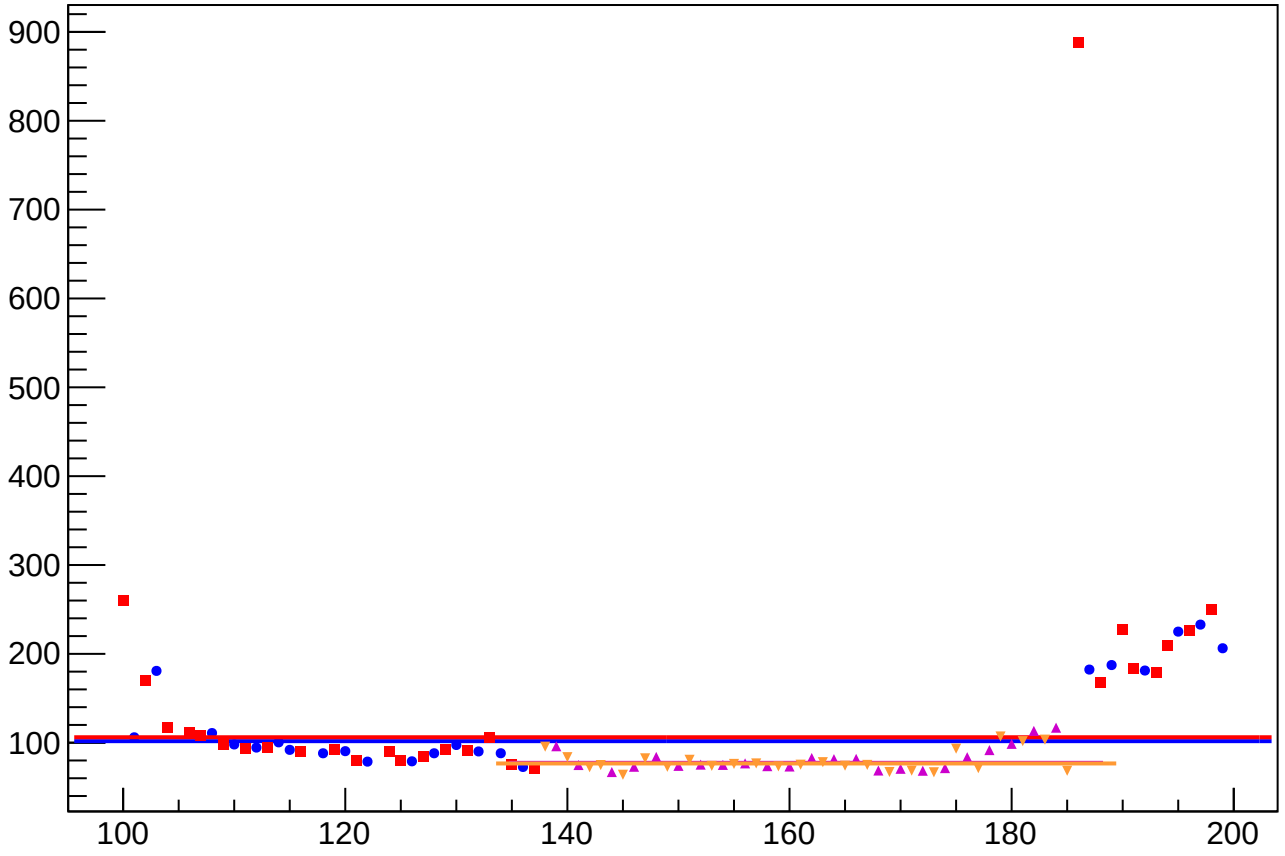
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.170+/-15.509 χ^2/NDF: 54.1/46

All: -16.945+/-11.124 χ^2/NDF: 131.9/96

- sign -65.810+/-15.964 χ^2/NDF: 59.6/49

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 101.734+/-0.023 χ^2/NDF: 2904831.4/21

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

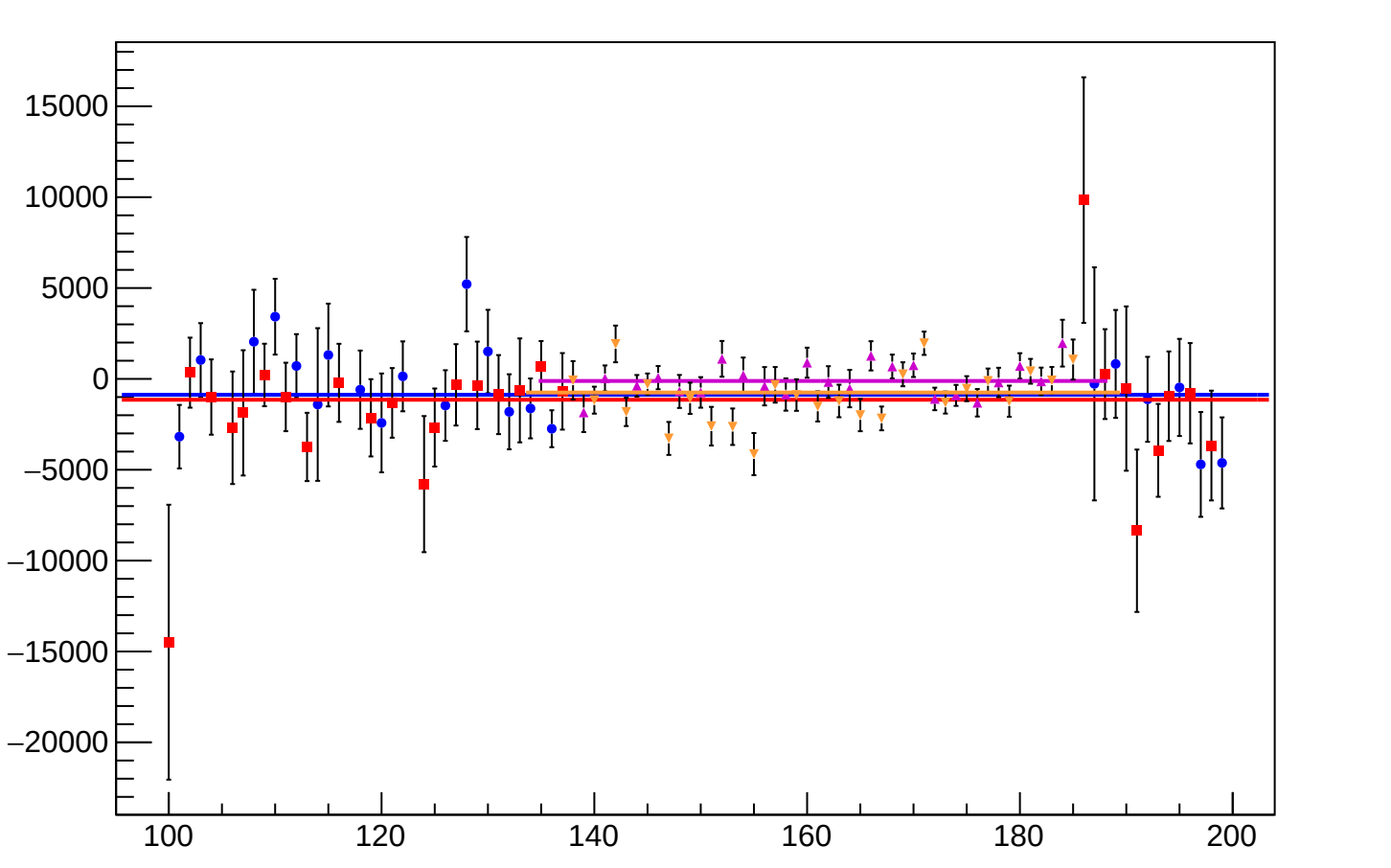
Right Out: 106.144+/-0.023 χ^2/NDF: 3727881.5/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 82.400+/-0.011 χ^2/NDF: 4484406.1/46

All: 83.308+/-0.008 χ^2/NDF: 10005004.7/96

- sign 84.270+/-0.011 χ^2/NDF: 5506469.8/49



Right In: -875.781+/-448.764 χ^2/NDF: 24.8/21

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

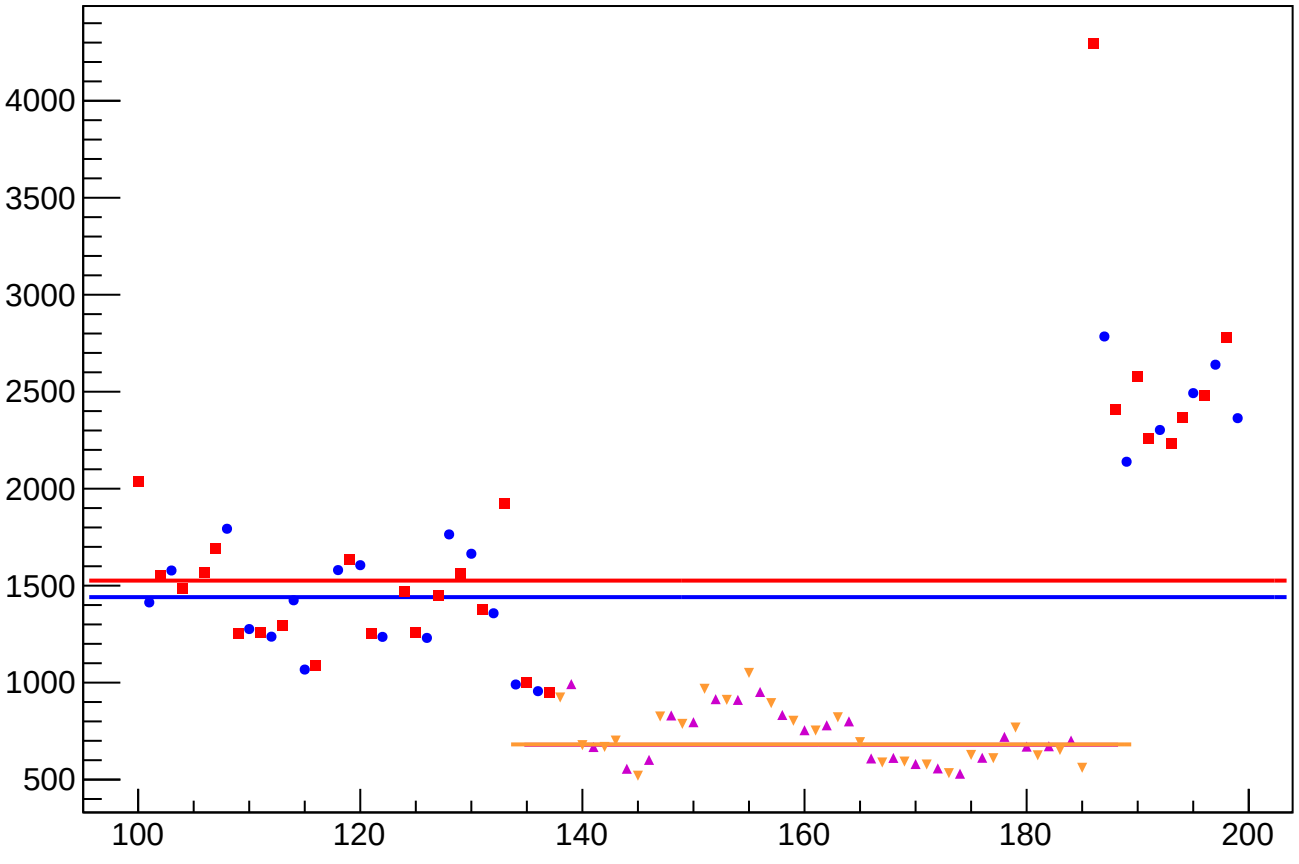
Right Out: -1148.591+/-452.144 χ^2/NDF: 18.5/26

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -763.557+/-149.101 χ^2/NDF: 94.8/46

All: -503.151+/-106.559 χ^2/NDF: 149.3/96

- sign -231.281+/-152.347 χ^2/NDF: 48.2/49



Right In: 1440.832+/-0.317 χ^2/NDF: 2231028.1/21

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1526.031+/-0.320 χ^2/NDF: 2500289.9/26

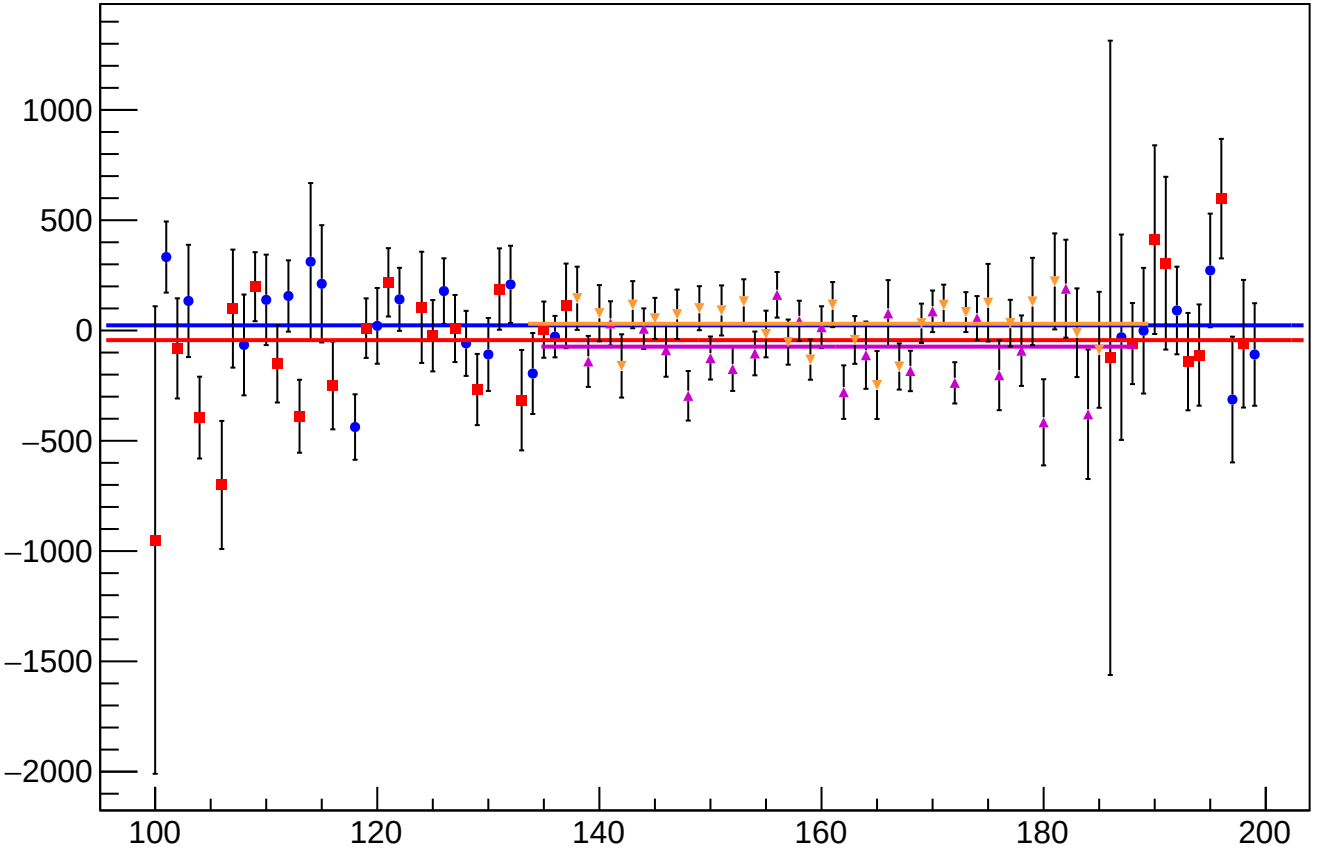
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 765.256+/-0.105 χ^2/NDF: 8660229.0/46

All: 770.283+/-0.075 χ^2/NDF: 18566475.2/96

- sign 775.531+/-0.108 χ^2/NDF: 9901599.2/49

dit_asym_sam_2468_avg_mean vs Slug



Right In: 23.405+/-38.440 χ^2/NDF: 24.2/21

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -43.680+/-38.153 χ^2/NDF: 35.0/26

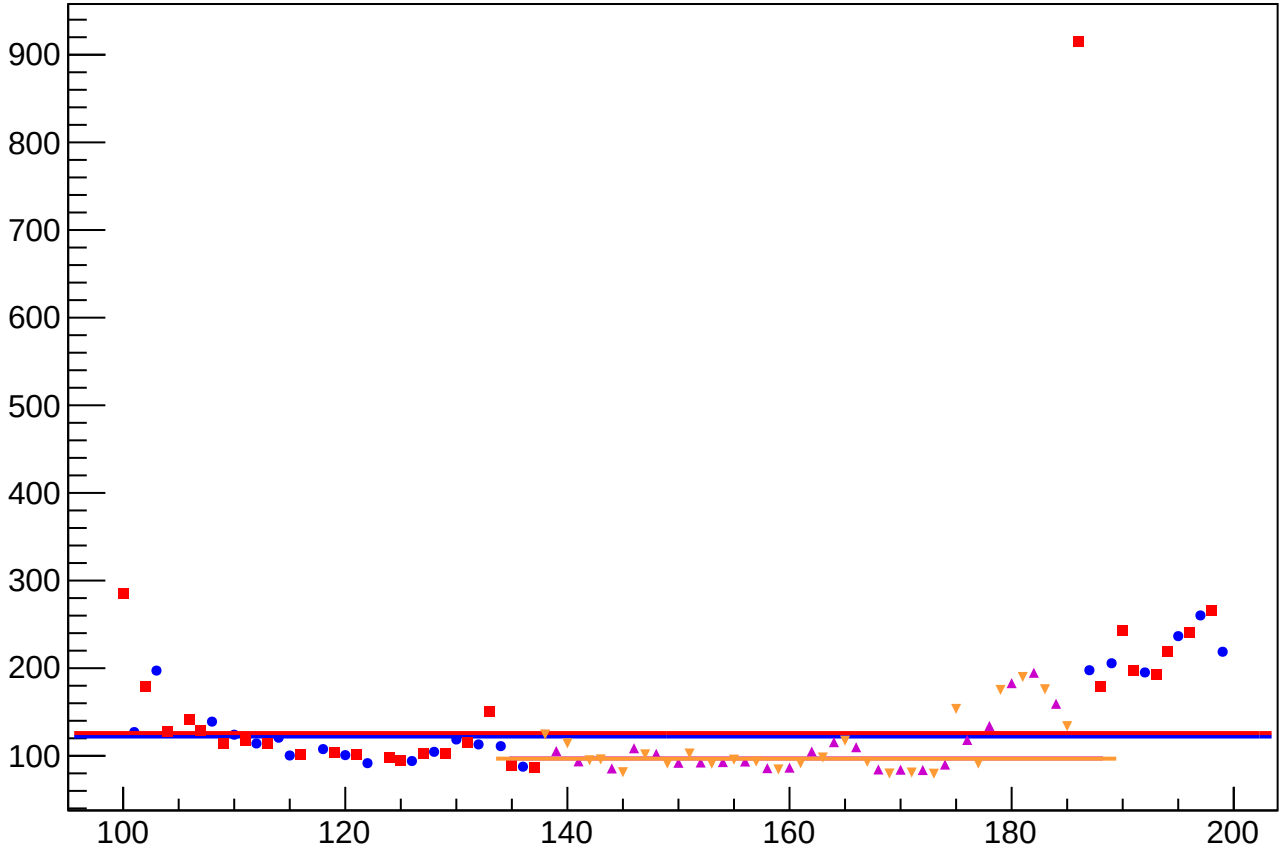
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 28.783+/-19.645 χ^2/NDF: 44.1/46

All: -17.252+/-14.020 χ^2/NDF: 125.2/96

- sign -65.037+/-20.015 χ^2/NDF: 69.9/49

dit_asym_sam_2468_avg_rms vs Slug



Right In: 122.040+/-0.027 χ^2/NDF: 2434077.6/21

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 125.984+/-0.027 χ^2/NDF: 3116902.0/26

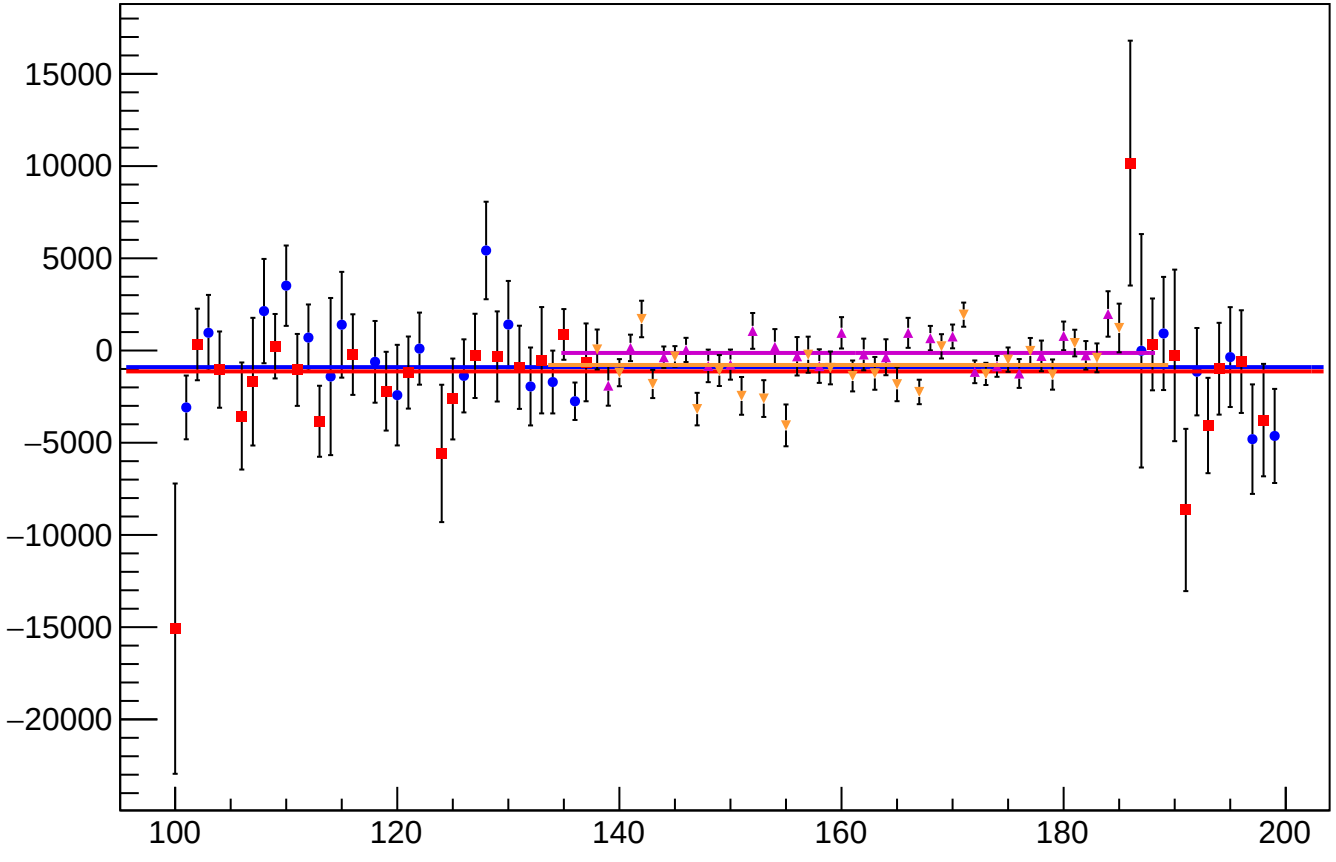
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 103.388+/-0.014 χ^2/NDF: 4791815.5/46

All: 104.174+/-0.010 χ^2/NDF: 10072021.1/96

- sign 104.989+/-0.014 χ^2/NDF: 5273691.6/49

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -900.227+/-455.346 χ^2/NDF: 24.5/21

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1132.810+/-456.071 χ^2/NDF: 20.1/26

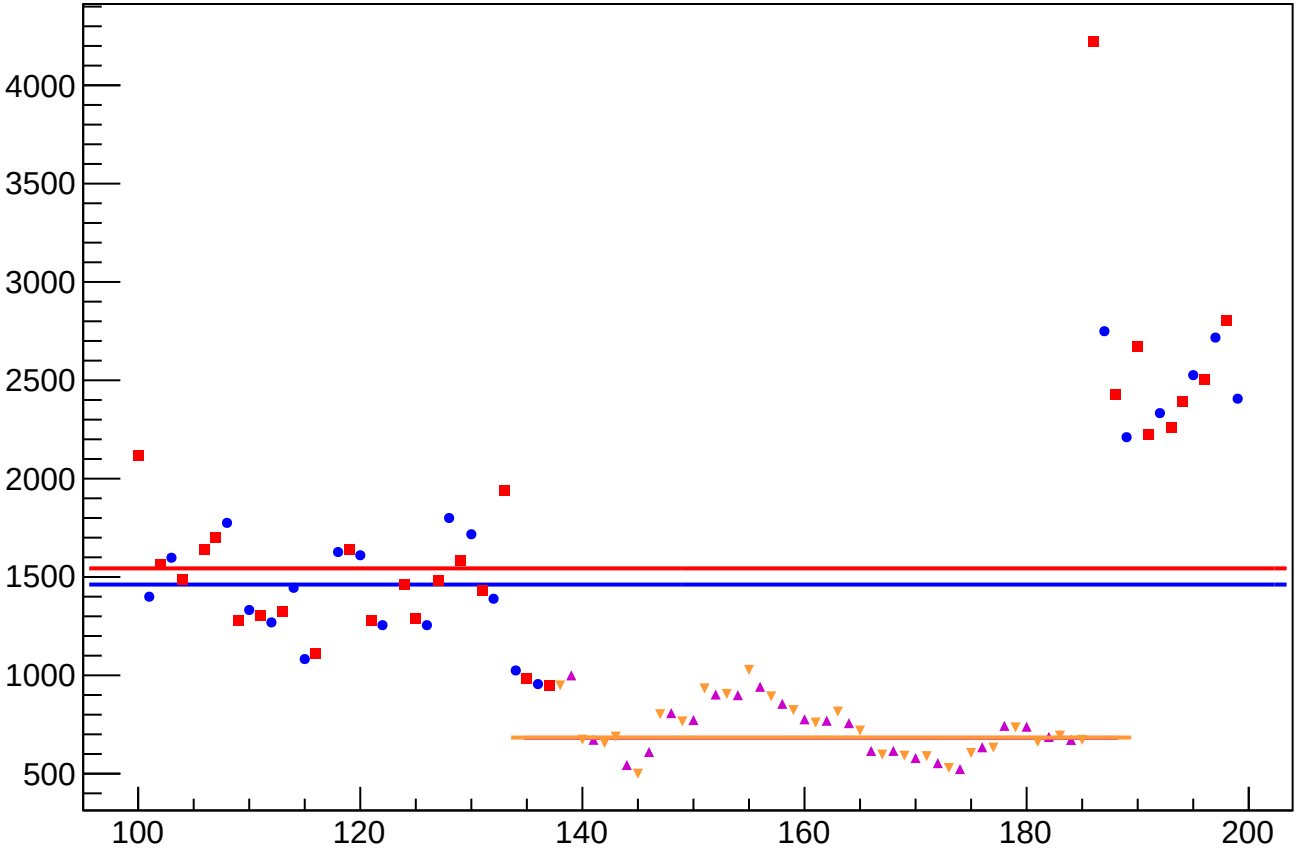
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -796.319+/-149.546 χ^2/NDF: 90.9/46

All: -526.499+/-106.945 χ^2/NDF: 146.2/96

- sign -244.081+/-152.998 χ^2/NDF: 48.6/49

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1461.504+/-0.322 χ^2/NDF: 2263432.8/21

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1543.758+/-0.322 χ^2/NDF: 2516118.5/26

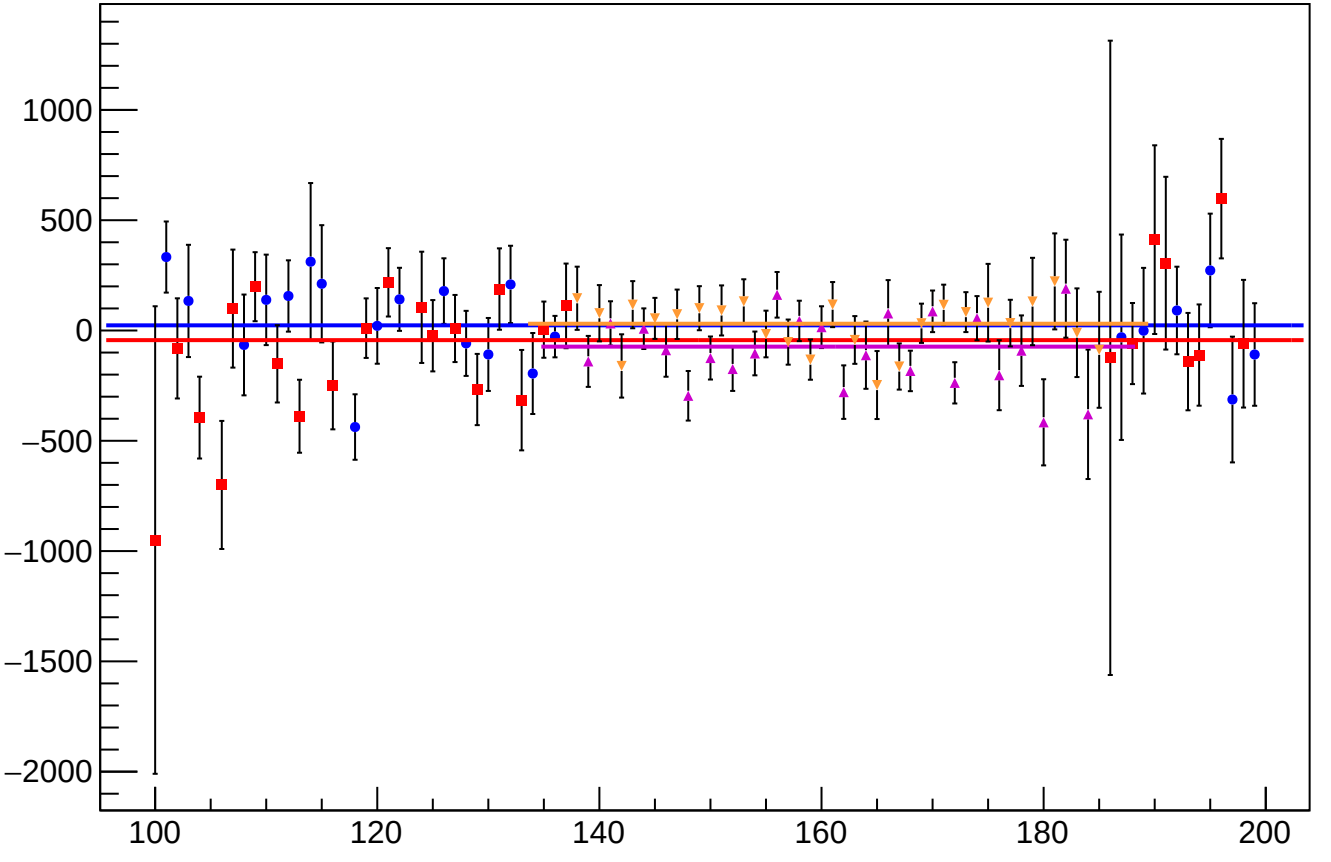
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

\+ sign 767.594+/-0.106 χ^2/NDF: 8767613.8/46

All: 773.141+/-0.076 χ^2/NDF: 18813087.7/96

\- sign 778.948+/-0.108 χ^2/NDF: 10039840.7/49

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 23.406+/-38.440 χ^2/NDF: 24.2/21

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -43.678+/-38.153 χ^2/NDF: 35.0/26

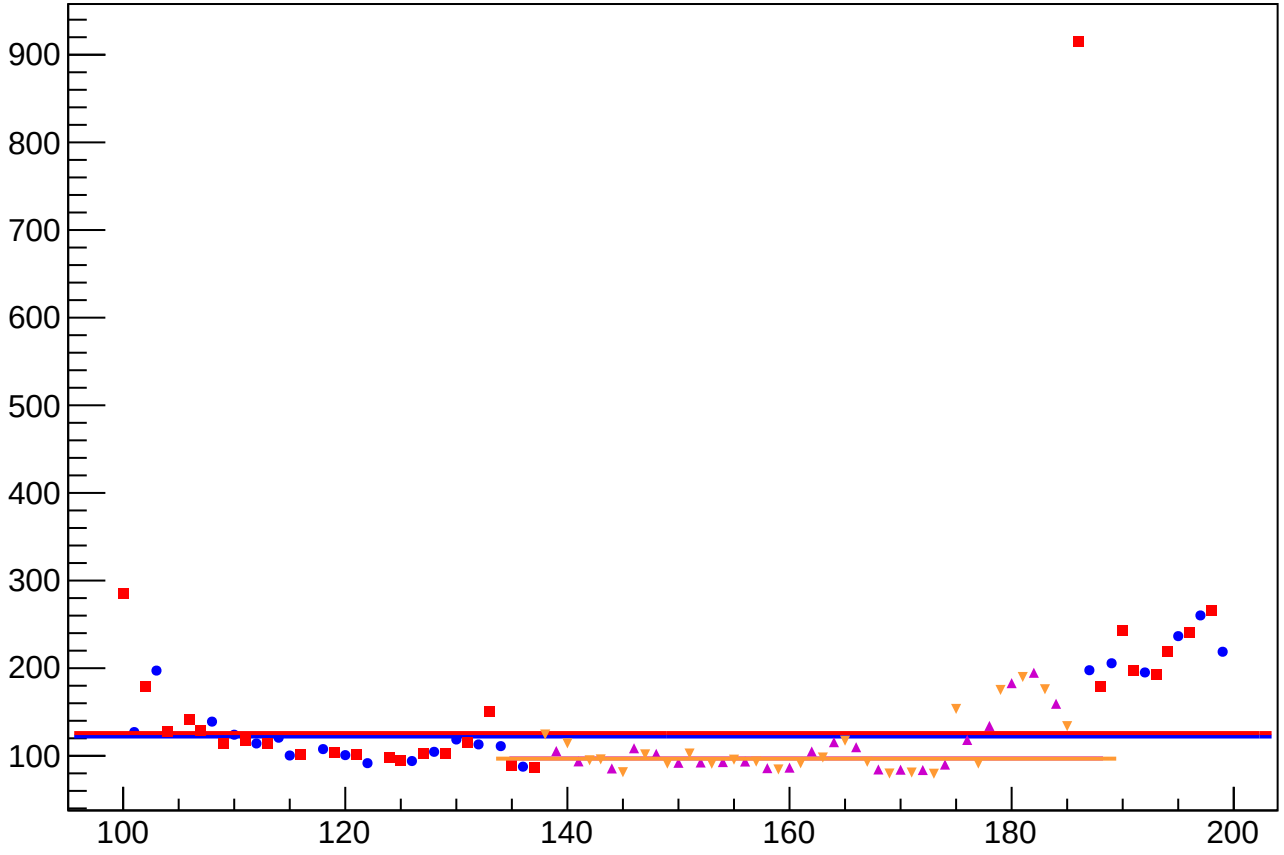
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 28.783+/-19.645 χ^2/NDF: 44.1/46

All: -17.251+/-14.020 χ^2/NDF: 125.2/96

- sign -65.036+/-20.015 χ^2/NDF: 69.9/49

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 122.039+/-0.027 χ^2/NDF: 2434087.1/21

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

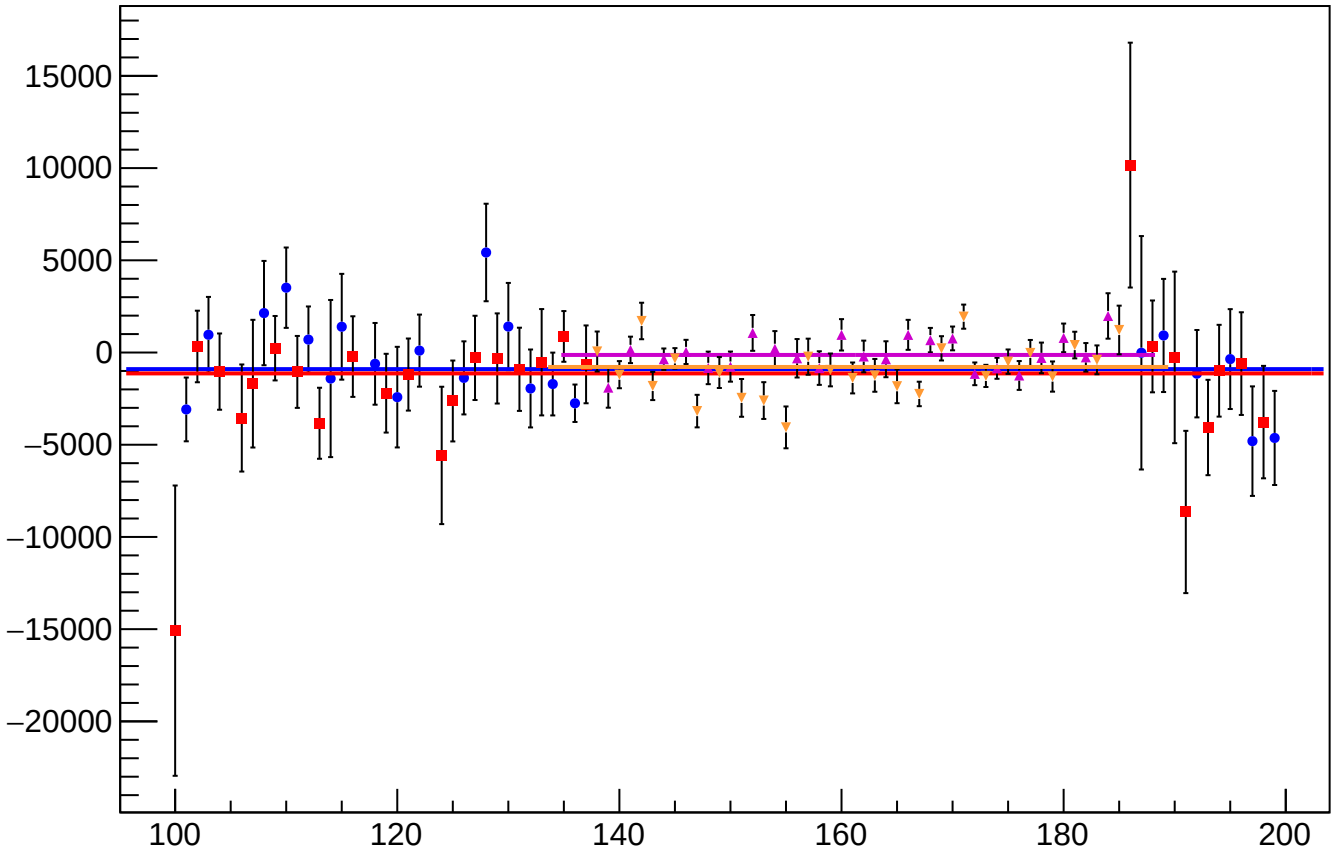
Right Out: 125.983+/-0.027 χ^2/NDF: 3116921.0/26

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 103.388+/-0.014 χ^2/NDF: 4791773.1/46

All: 104.174+/-0.010 χ^2/NDF: 10071928.0/96

- sign 104.989+/-0.014 χ^2/NDF: 5273640.8/49



Right In: -900.221+/-455.345 χ^2/NDF: 24.5/21

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: -1132.809+/-456.070 χ^2/NDF: 20.1/26

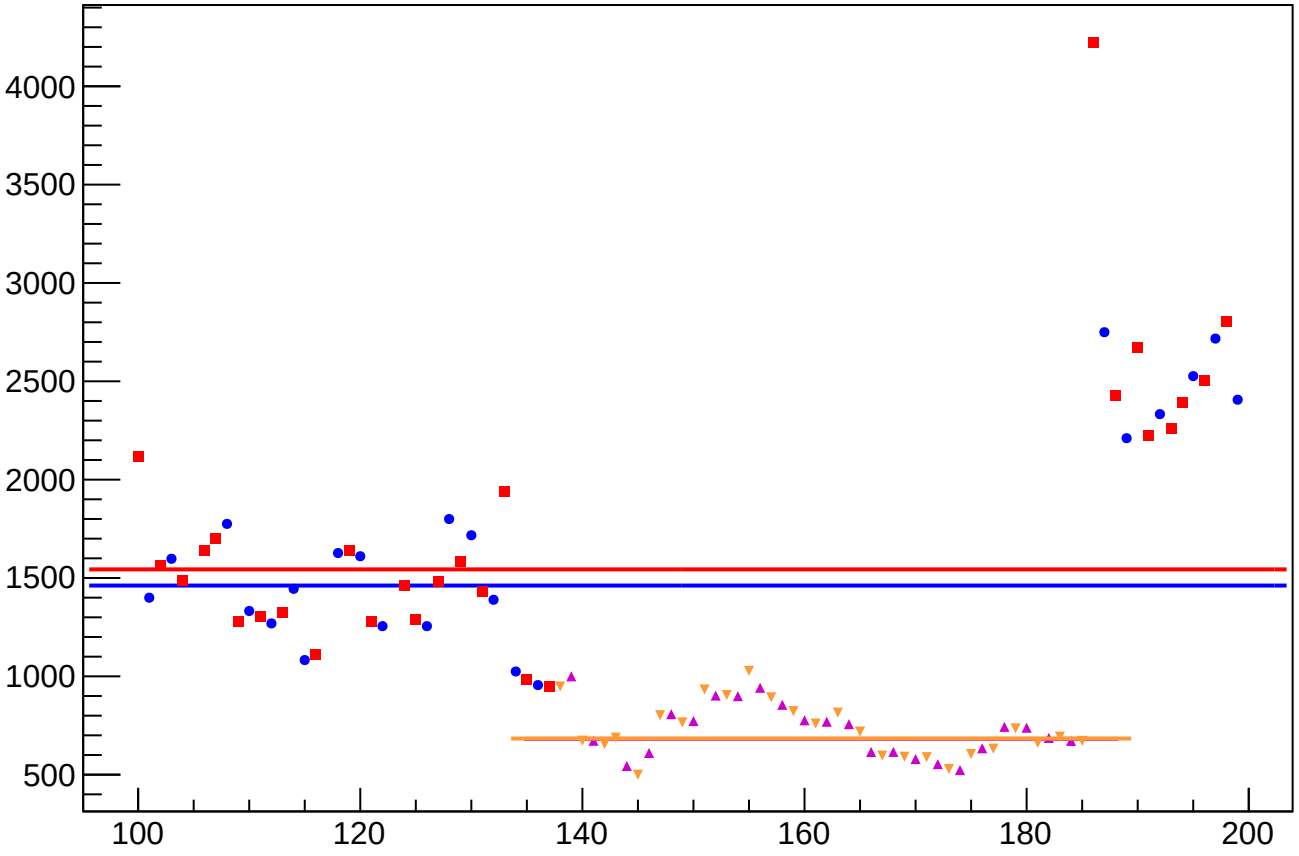
Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -796.317+/-149.546 χ^2/NDF: 90.9/46

All: -526.498+/-106.944 χ^2/NDF: 146.2/96

- sign -244.080+/-152.998 χ^2/NDF: 48.6/49

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1461.501+/-0.322 χ^2/NDF: 2263436.6/21

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1543.755+/-0.322 χ^2/NDF: 2516125.1/26

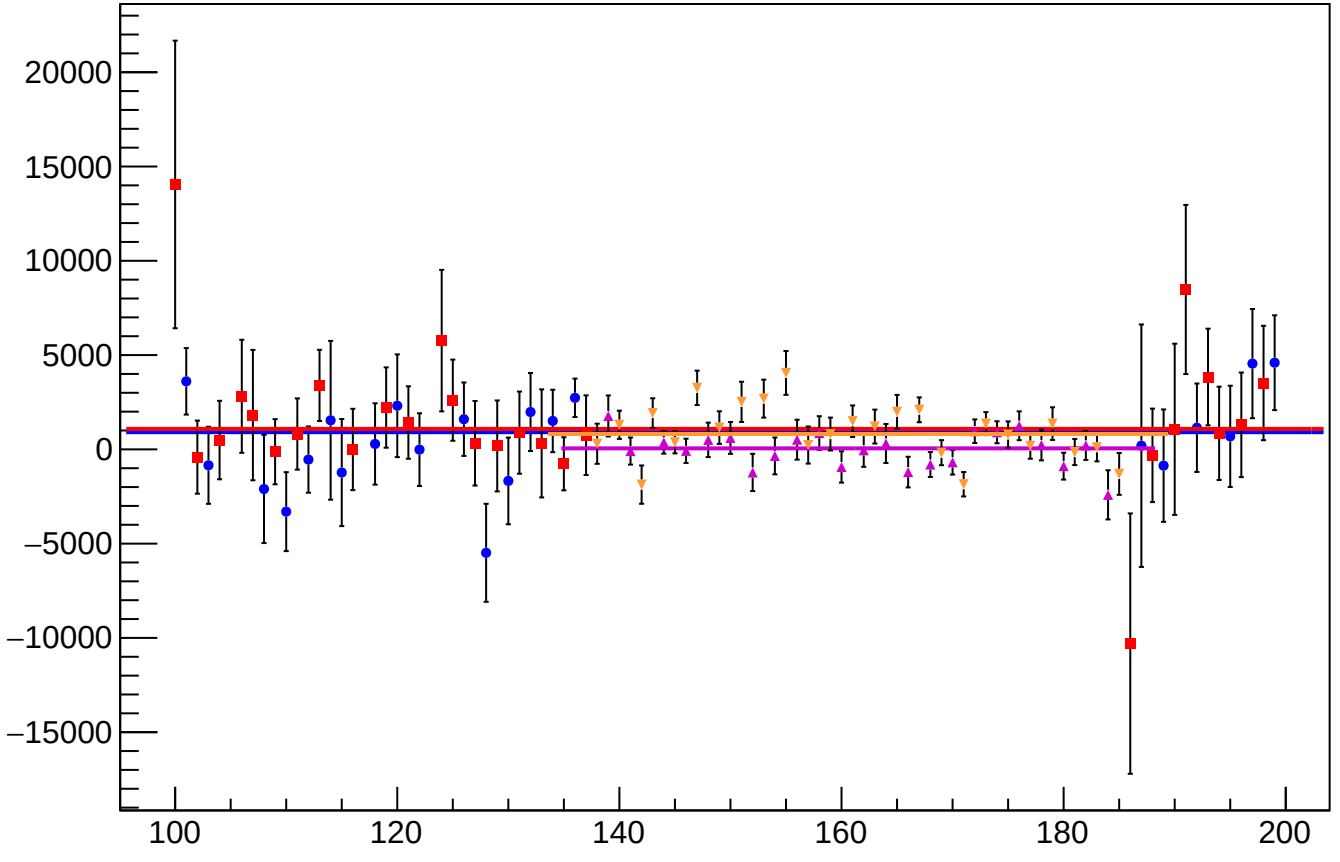
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 767.592+/-0.106 χ^2/NDF: 8767623.2/46

All: 773.140+/-0.076 χ^2/NDF: 18813103.1/96

- sign 778.946+/-0.108 χ^2/NDF: 10039846.7/49

asym_sam_2468_avg_mean vs Slug



Right In: 910.922+/-450.400 χ^2/NDF: 25.2/21

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1084.359+/-453.250 χ^2/NDF: 18.2/26

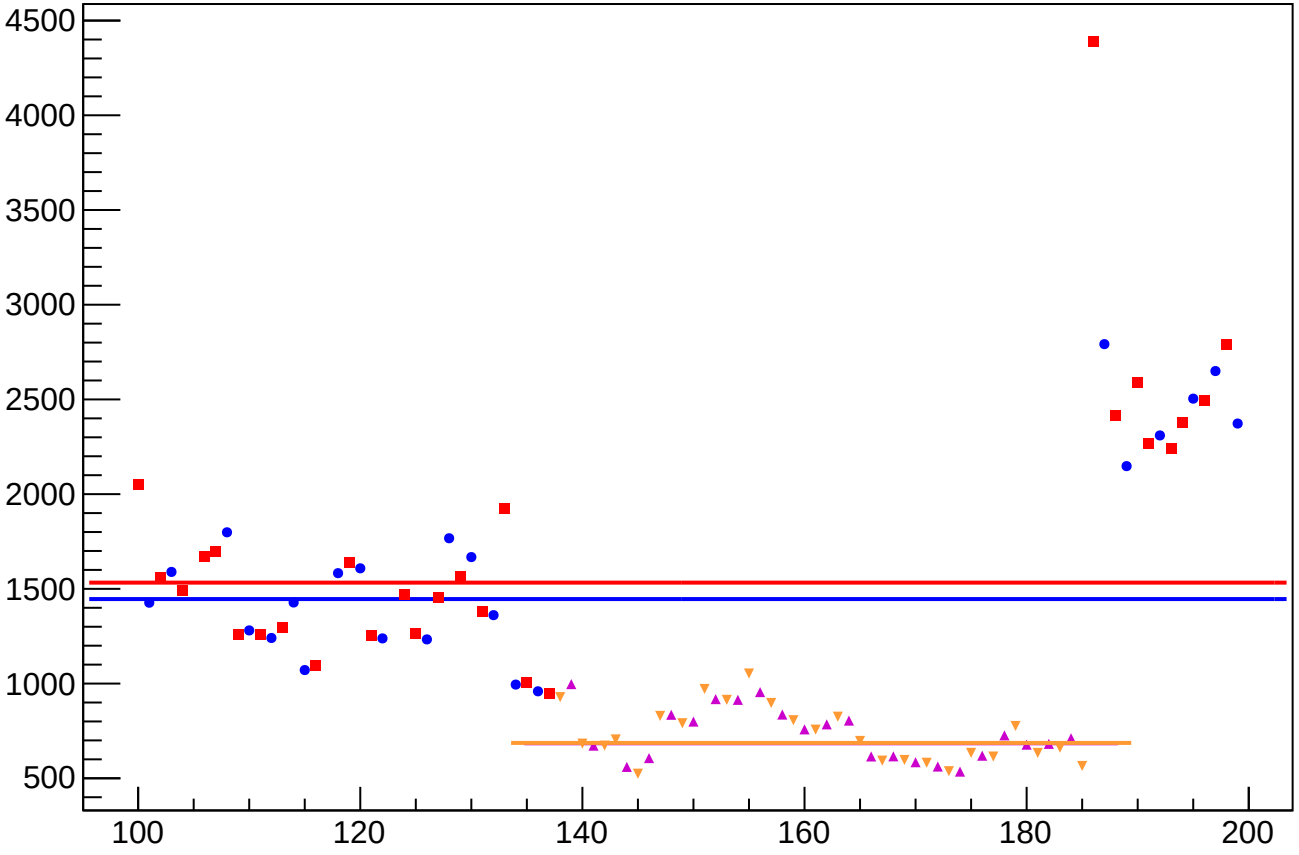
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 824.831+/-150.146 χ^2/NDF: 91.0/46

All: 504.719+/-107.306 χ^2/NDF: 148.5/96

- sign 170.528+/-153.413 χ^2/NDF: 48.2/49

asym_sam_2468_avg_rms vs Slug



Right In: 1446.097+/-0.318 χ^2/NDF: 2231968.2/21

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

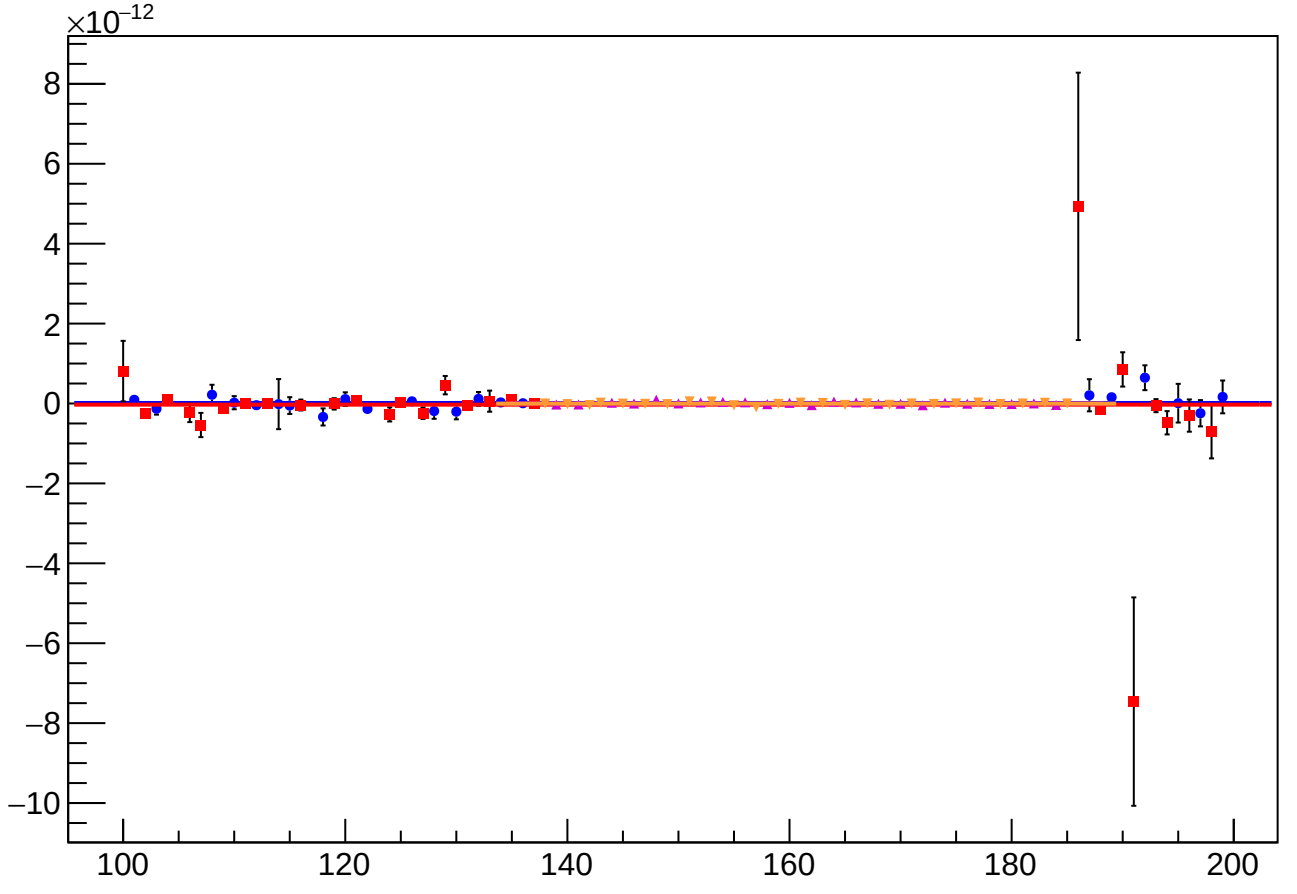
Right Out: 1532.877+/-0.320 χ^2/NDF: 2515007.3/26

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

\+ sign 771.092+/-0.106 χ^2/NDF: 8597891.0/46

All: 776.393+/-0.076 χ^2/NDF: 18483612.6/96

\- sign 781.927+/-0.108 χ^2/NDF: 9880626.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

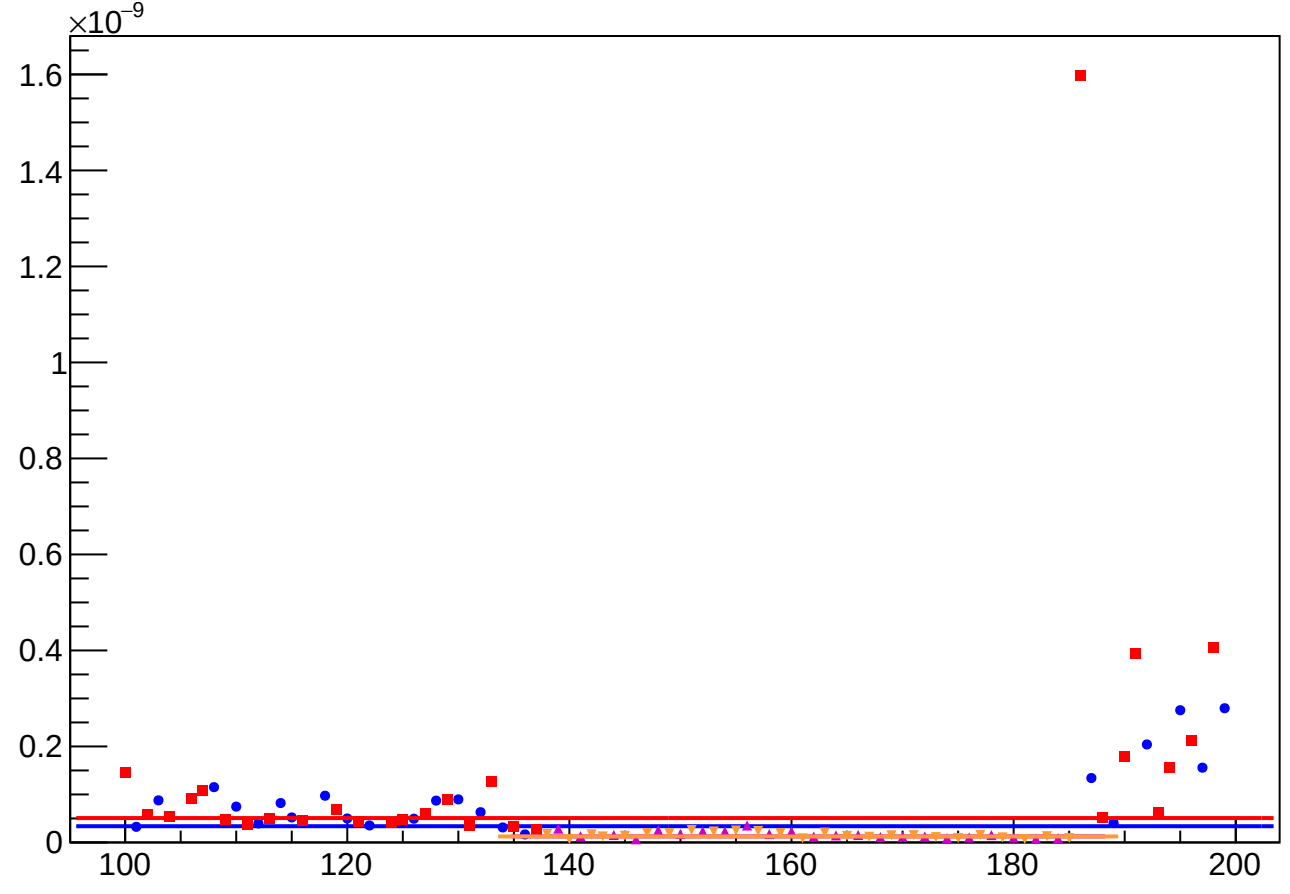
Right Out: -0.000+/-0.000 χ^2/NDF: 43.9/26

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/46

All: -0.000+/-0.000 χ^2/NDF: 100.8/96

- sign -0.000+/-0.000 χ^2/NDF: 65.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 4170998.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

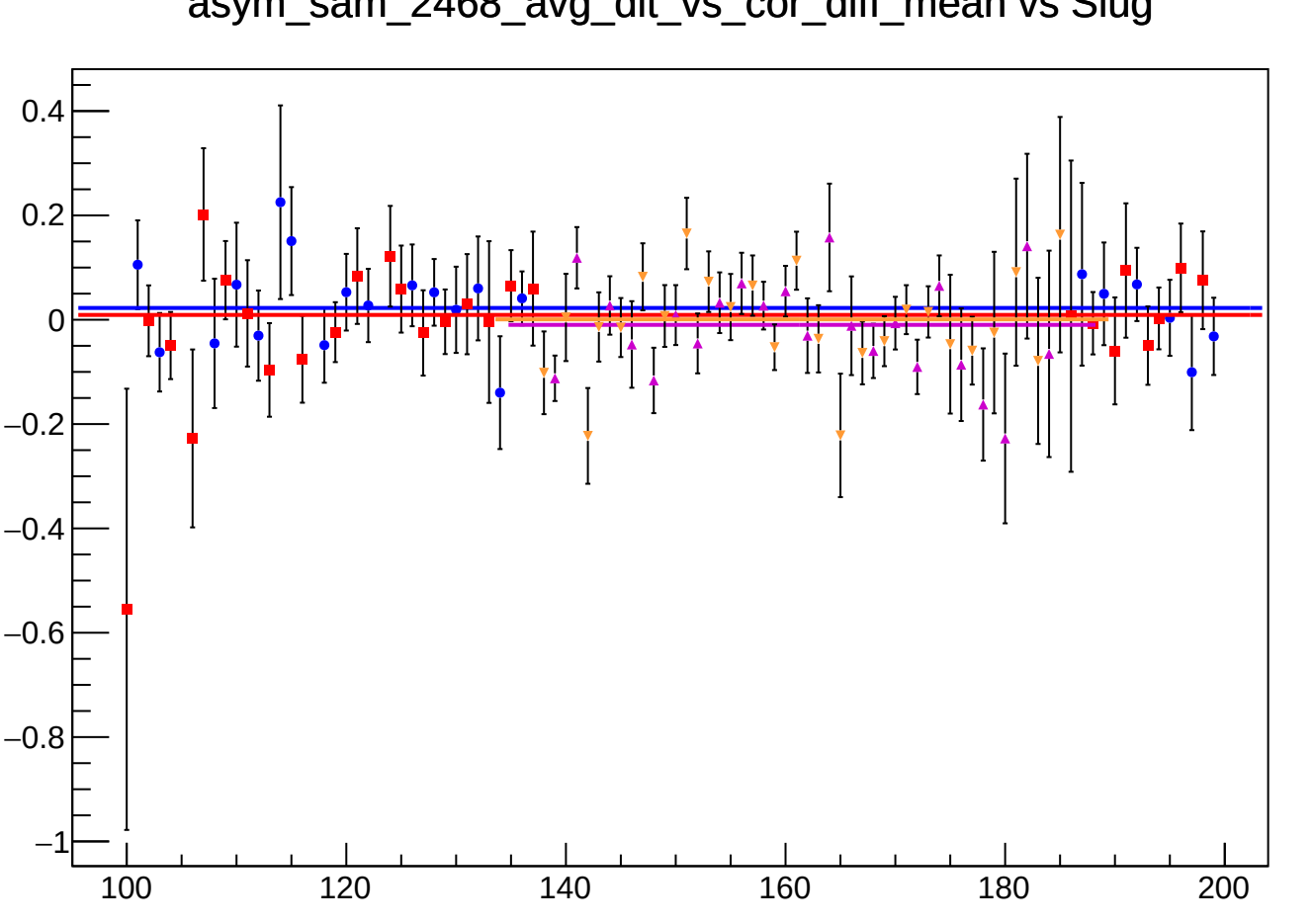
Right Out: 0.000+/-0.000 χ^2/NDF: 2544547.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7844565.0/46

All: 0.000+/-0.000 χ^2/NDF: 16247139.8/96

- sign 0.000+/-0.000 χ^2/NDF: 8396354.0/49



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

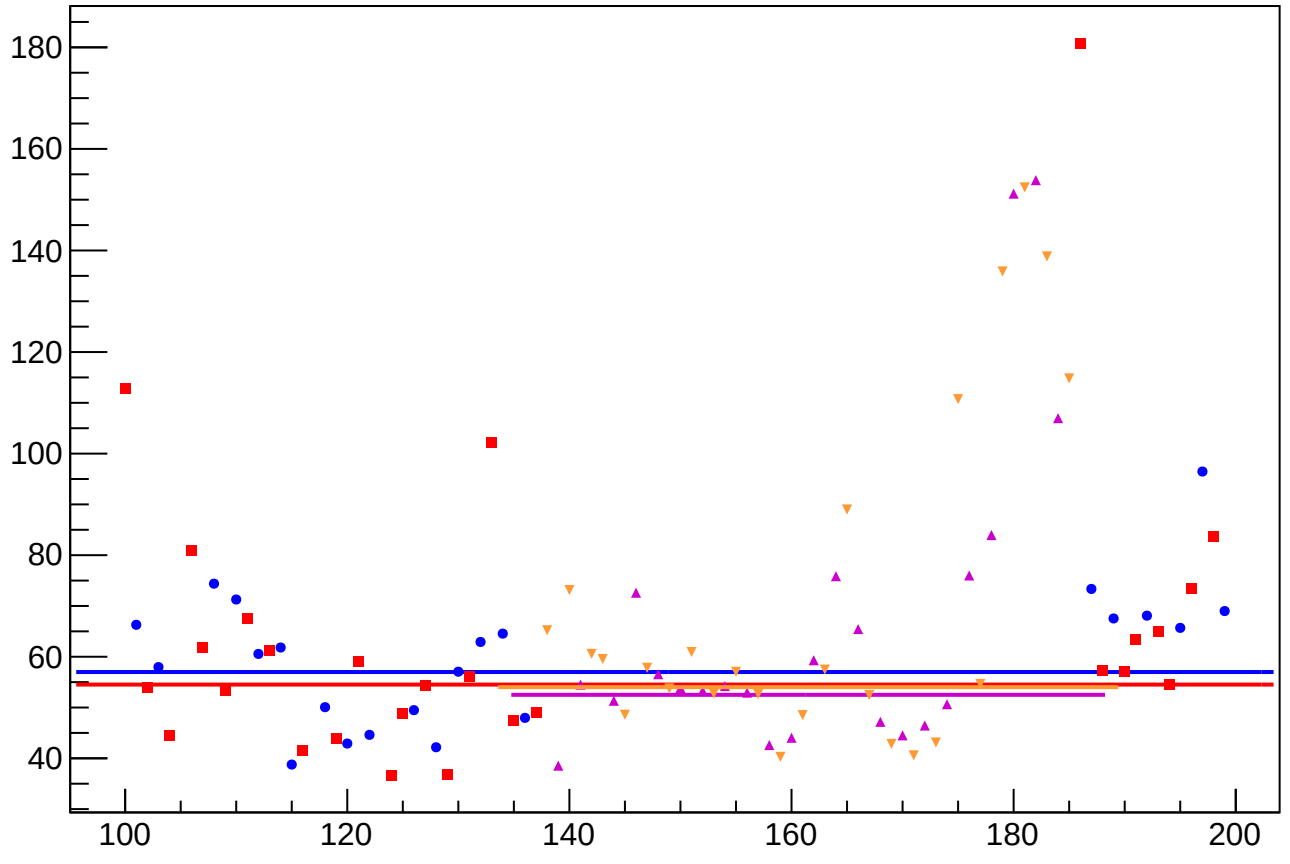
Right Out: 0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 45.1/46

All: 0.003+/-0.007 χ^2/NDF: 95.5/96

- sign -0.002+/-0.010 χ^2/NDF: 49.9/49



Right In: 56.990+/-0.013 χ^2/NDF: 941684.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

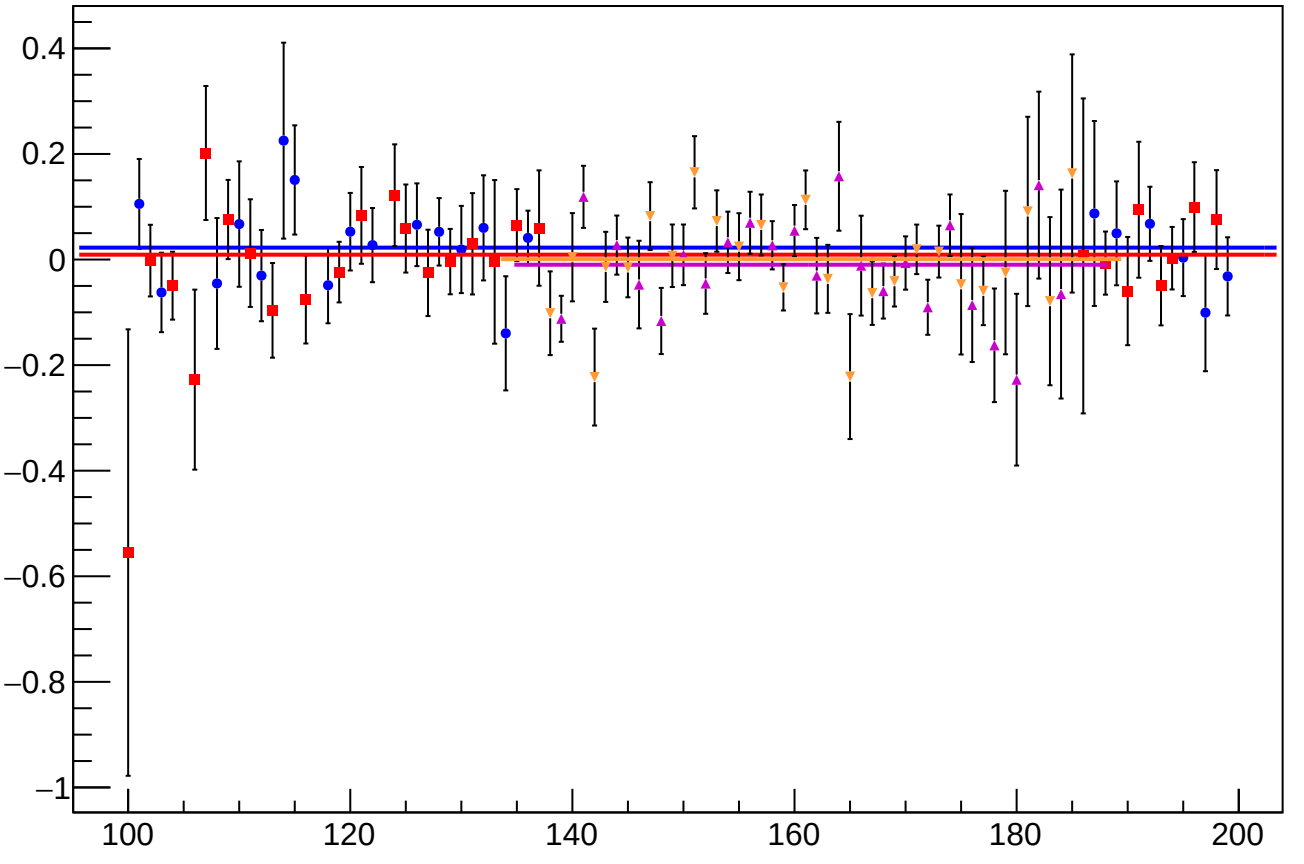
Right Out: 54.519+/-0.011 χ^2/NDF: 1469996.7/26

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

\+ sign 55.082+/-0.007 χ^2/NDF: 4205495.5/46

All: 54.164+/-0.005 χ^2/NDF: 8280812.3/96

\- sign 53.306+/-0.007 χ^2/NDF: 4046323.5/49



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

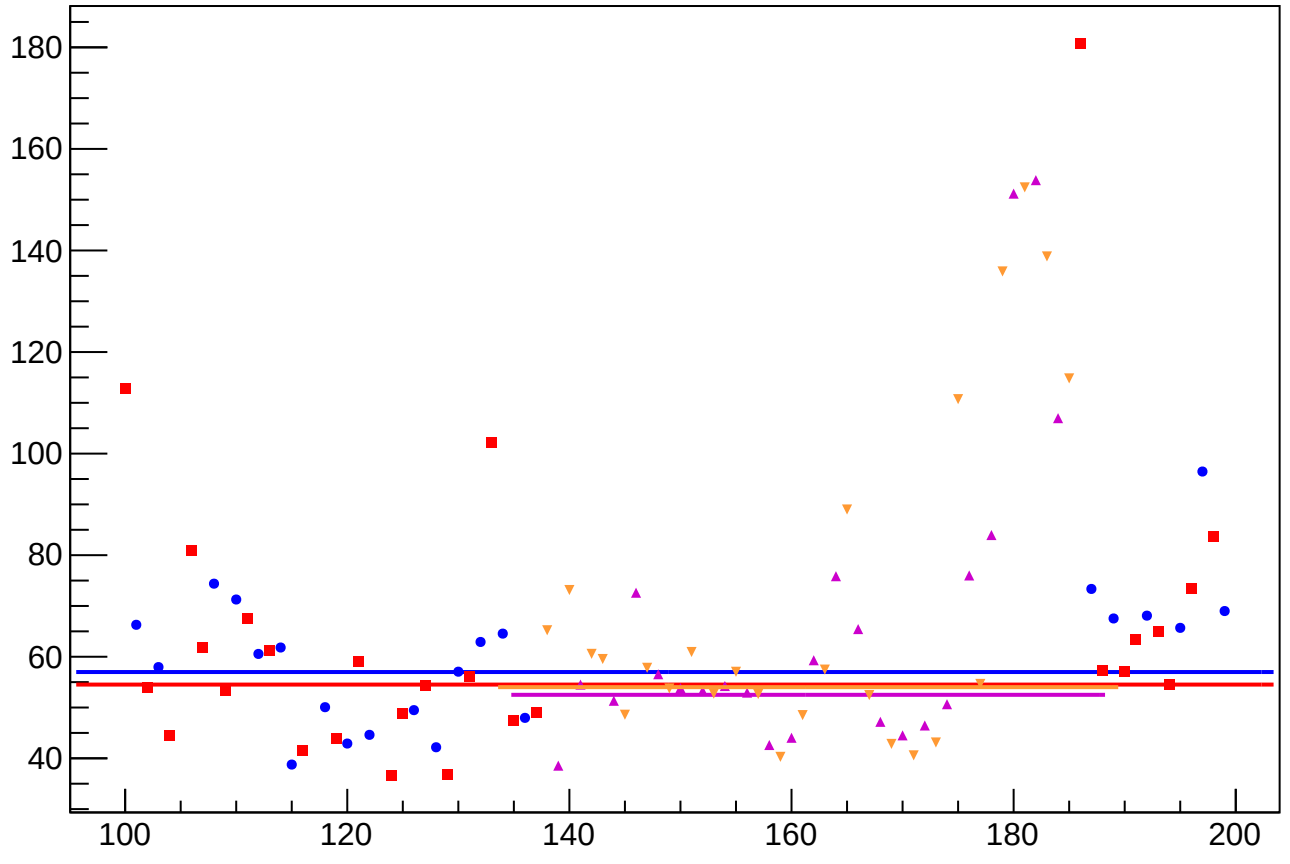
Right Out: 0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 45.1/46

All: 0.003+/-0.007 χ^2/NDF: 95.5/96

- sign -0.002+/-0.010 χ^2/NDF: 49.9/49



Right In: 56.990+/-0.013 χ^2/NDF: 941684.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

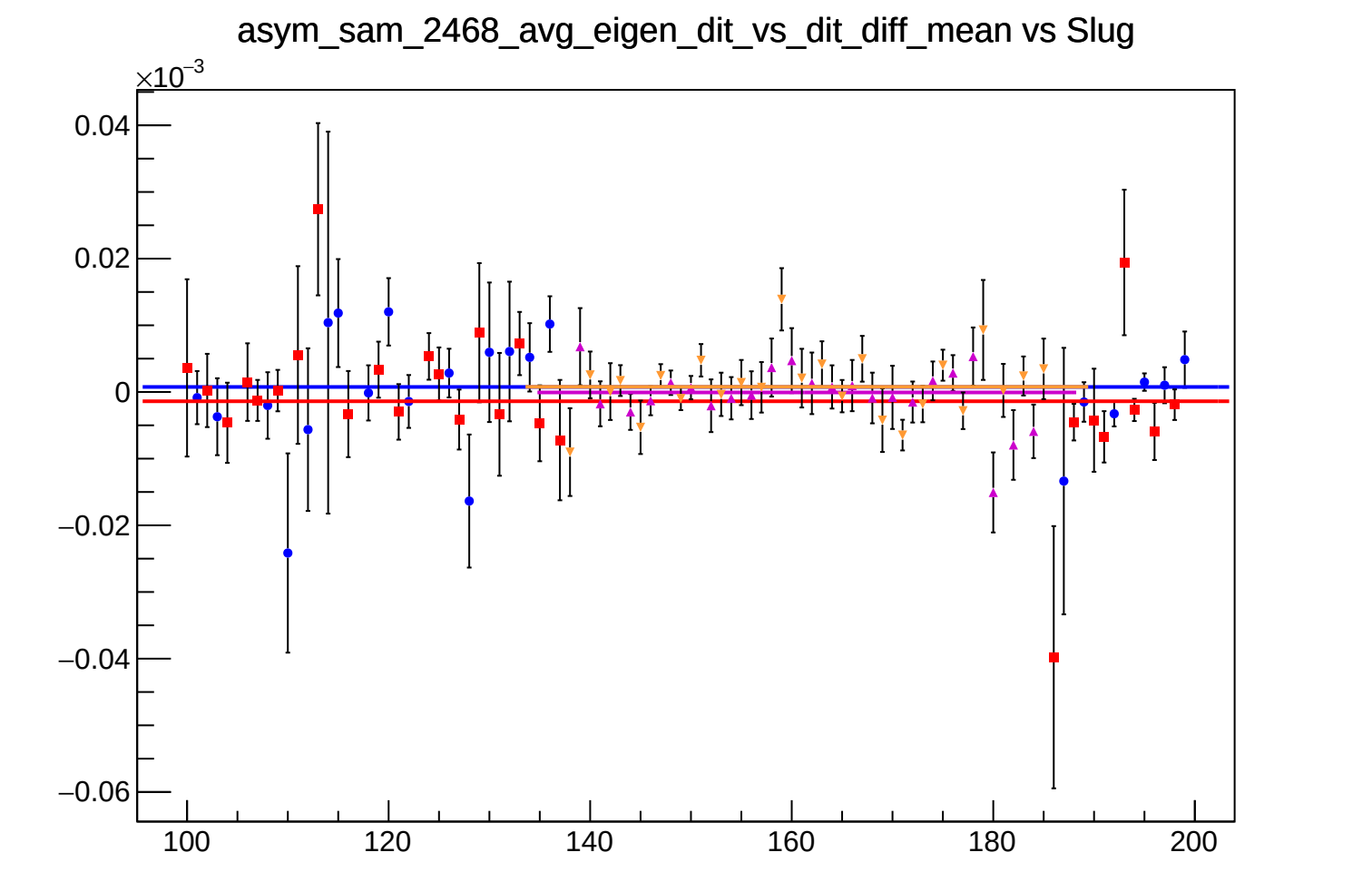
Right Out: 54.519+/-0.011 χ^2/NDF: 1469996.7/26

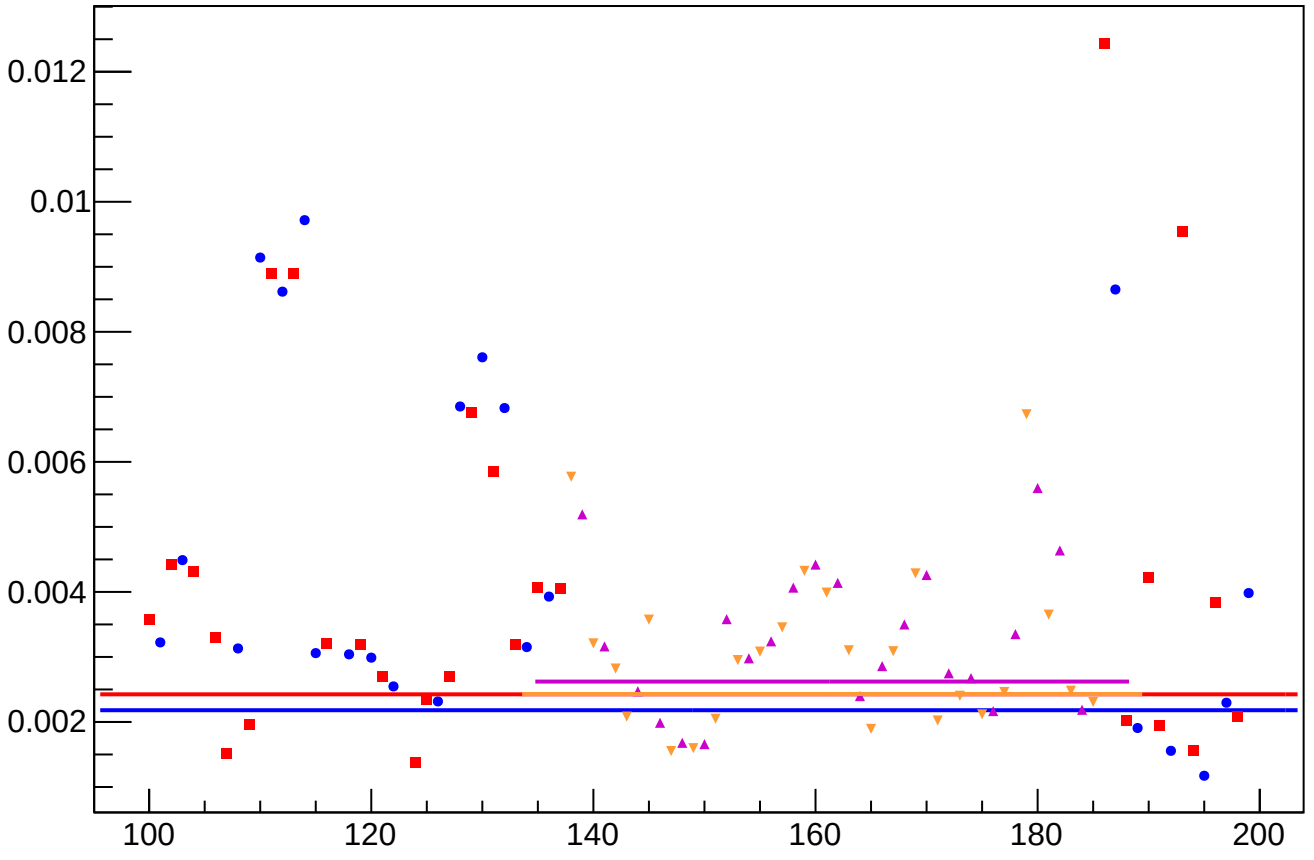
Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

\+ sign 55.082+/-0.007 χ^2/NDF: 4205495.5/46

All: 54.164+/-0.005 χ^2/NDF: 8280812.3/96

\- sign 53.306+/-0.007 χ^2/NDF: 4046323.5/49


asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
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: 27.9/21
Left Out: 0.000+/-0.000 χ²/NDF:38.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.6/26
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign 0.000+/-0.000 χ²/NDF: 66.0/46
All: 0.000+/-0.000 χ²/NDF: 122.4/96
- sign -0.000+/-0.000 χ²/NDF: 52.4/49



Right In: 0.002+/-0.000 χ^2/NDF: 5634737.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

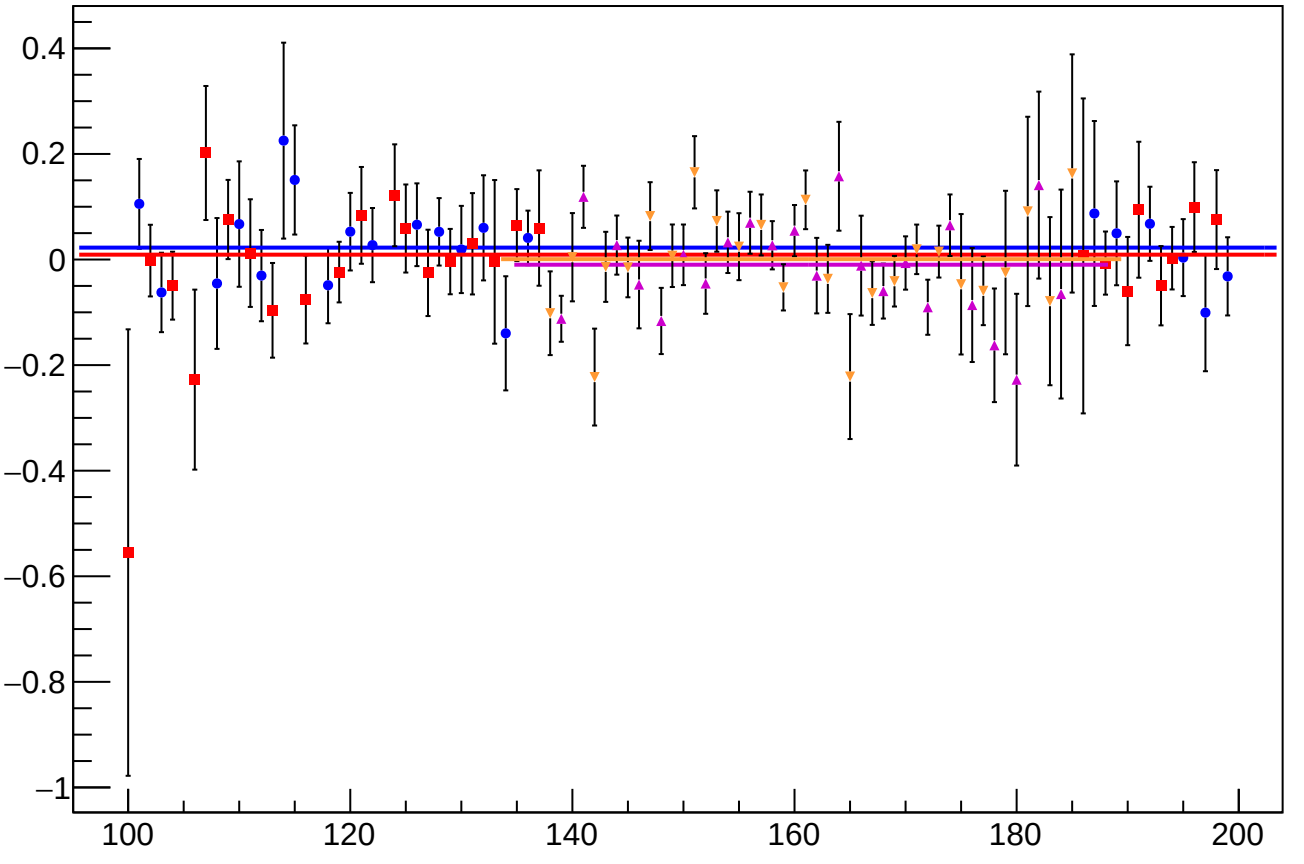
Right Out: 0.002+/-0.000 χ^2/NDF: 5264702.6/26

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

\+ sign 0.002+/-0.000 χ^2/NDF: 9985255.1/46

All: 0.002+/-0.000 χ^2/NDF: 19451431.6/96

\- sign 0.003+/-0.000 χ^2/NDF: 9292123.1/49



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

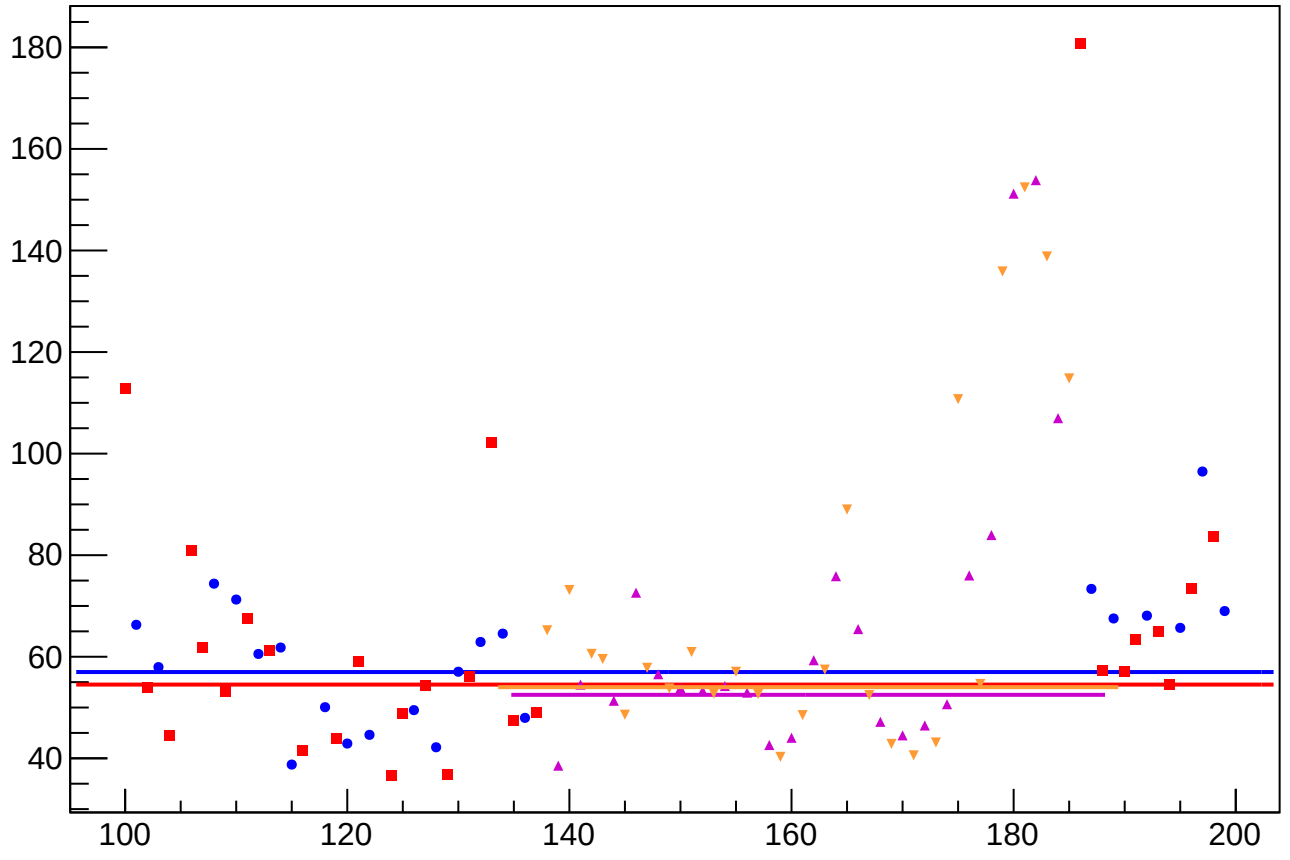
Right Out: 0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 45.1/46

All: 0.003+/-0.007 χ^2/NDF: 95.5/96

- sign -0.002+/-0.010 χ^2/NDF: 49.9/49



Right In: 56.989+/-0.013 χ^2/NDF: 941677.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

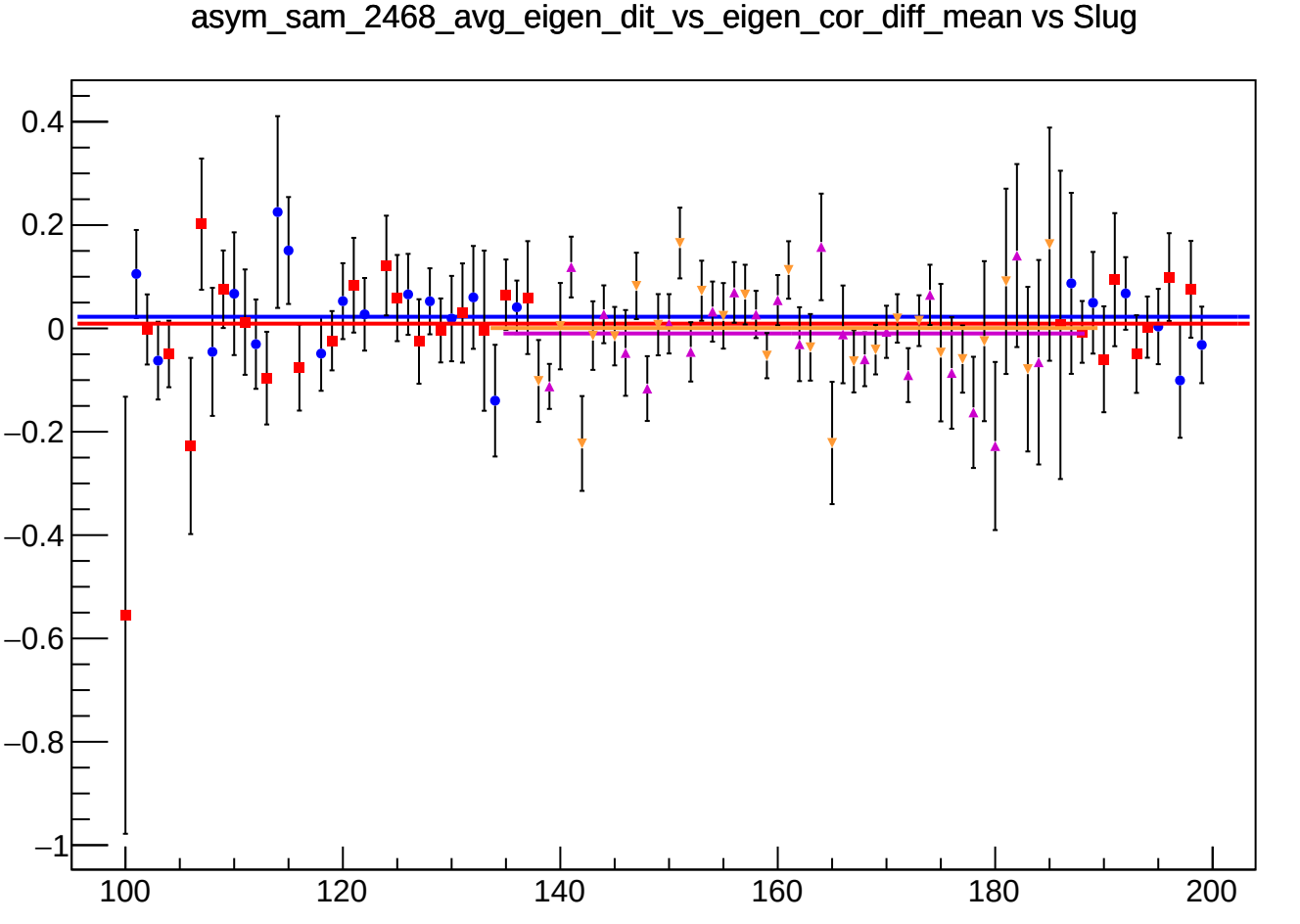
Right Out: 54.518+/-0.011 χ^2/NDF: 1470035.0/26

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 55.082+/-0.007 χ^2/NDF: 4205473.6/46

All: 54.164+/-0.005 χ^2/NDF: 8280850.4/96

- sign 53.306+/-0.007 χ^2/NDF: 4046382.0/49



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

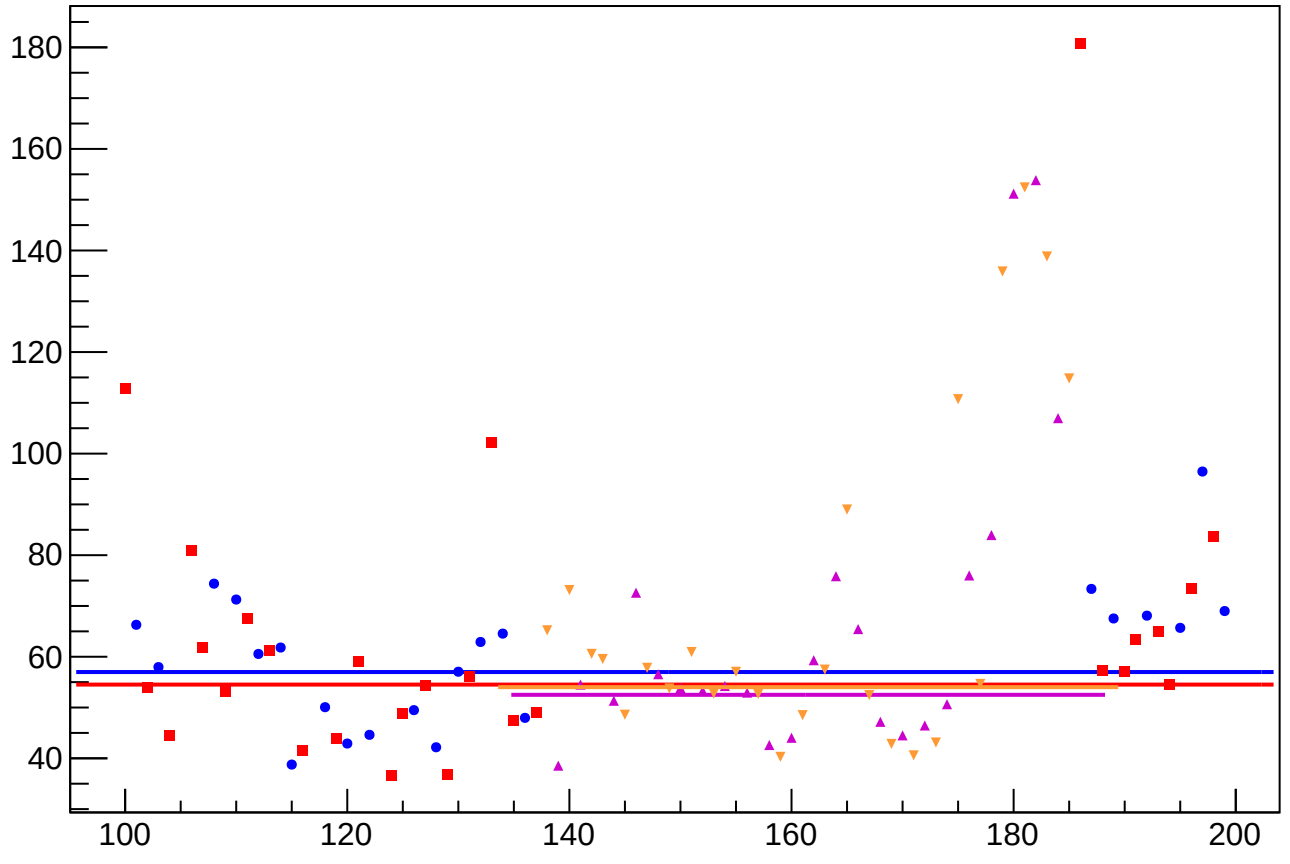
Right Out: 0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 45.1/46

All: 0.003+/-0.007 χ^2/NDF: 95.5/96

- sign -0.002+/-0.010 χ^2/NDF: 49.9/49



Right In: 56.989+/-0.013 χ^2/NDF: 941677.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

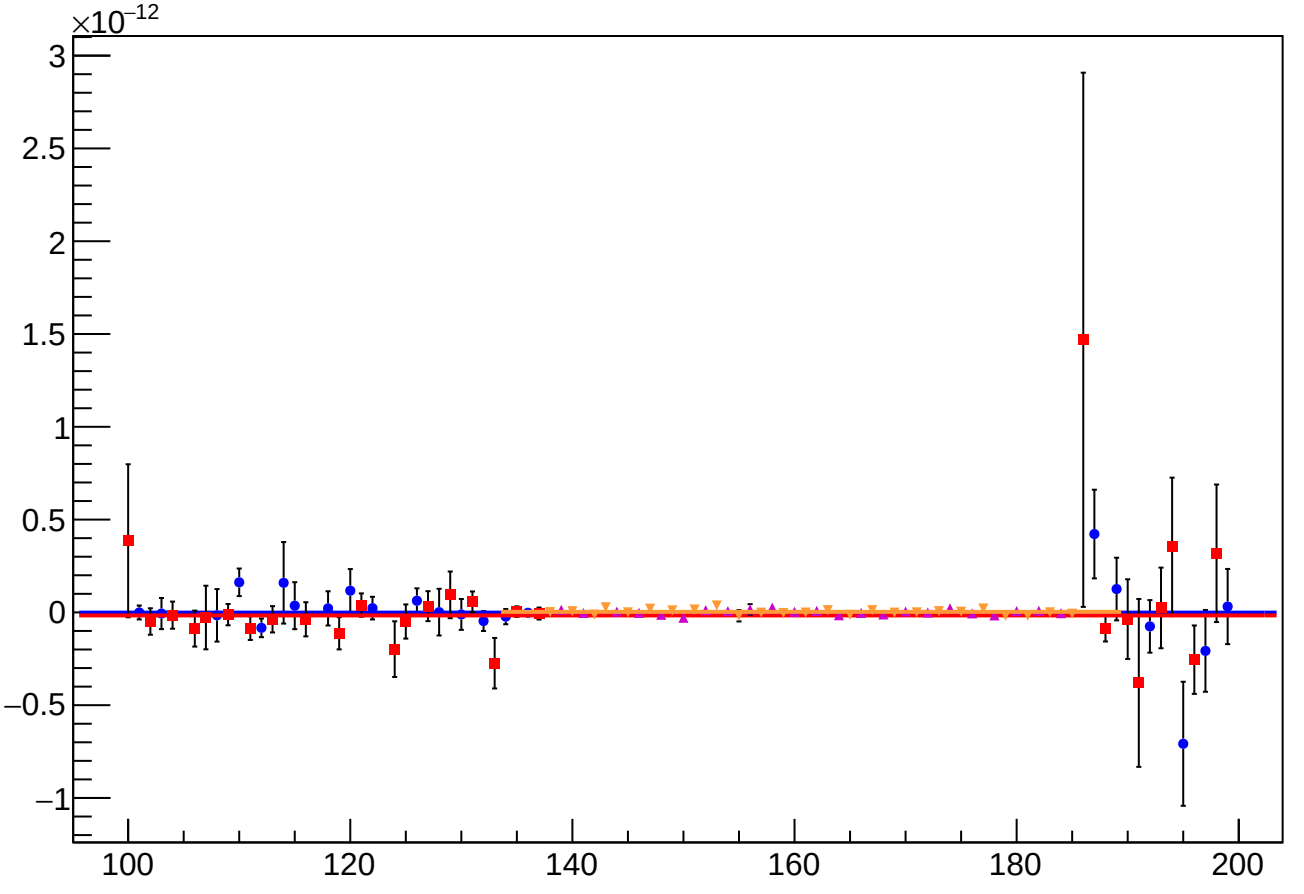
Right Out: 54.518+/-0.011 χ^2/NDF: 1470035.0/26

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 55.082+/-0.007 χ^2/NDF: 4205473.6/46

All: 54.164+/-0.005 χ^2/NDF: 8280850.4/96

- sign 53.306+/-0.007 χ^2/NDF: 4046382.0/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

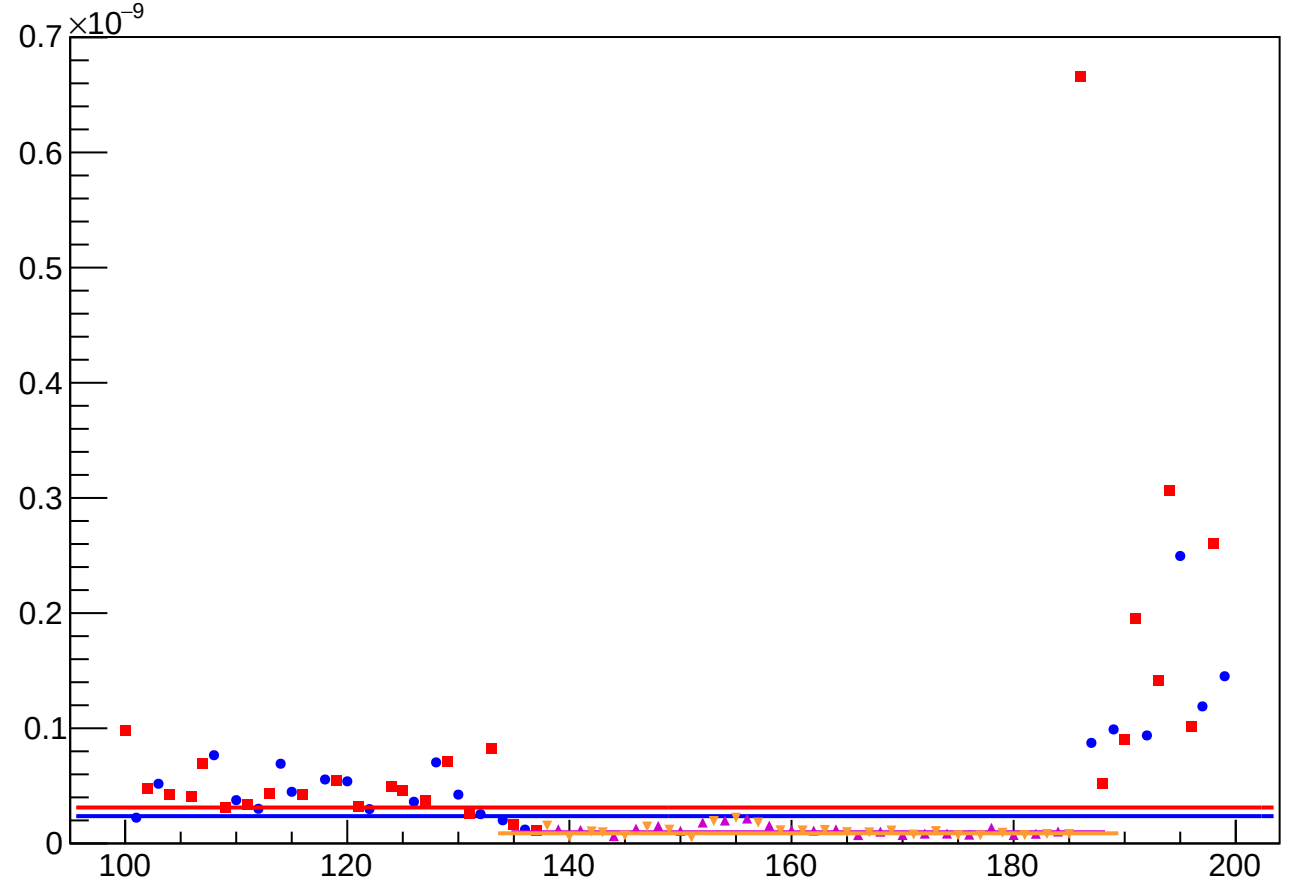
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/26

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.6/46

All: 0.000+/-0.000 χ^2/NDF: 79.5/96

- sign 0.000+/-0.000 χ^2/NDF: 36.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 5617149.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6115243.5/26

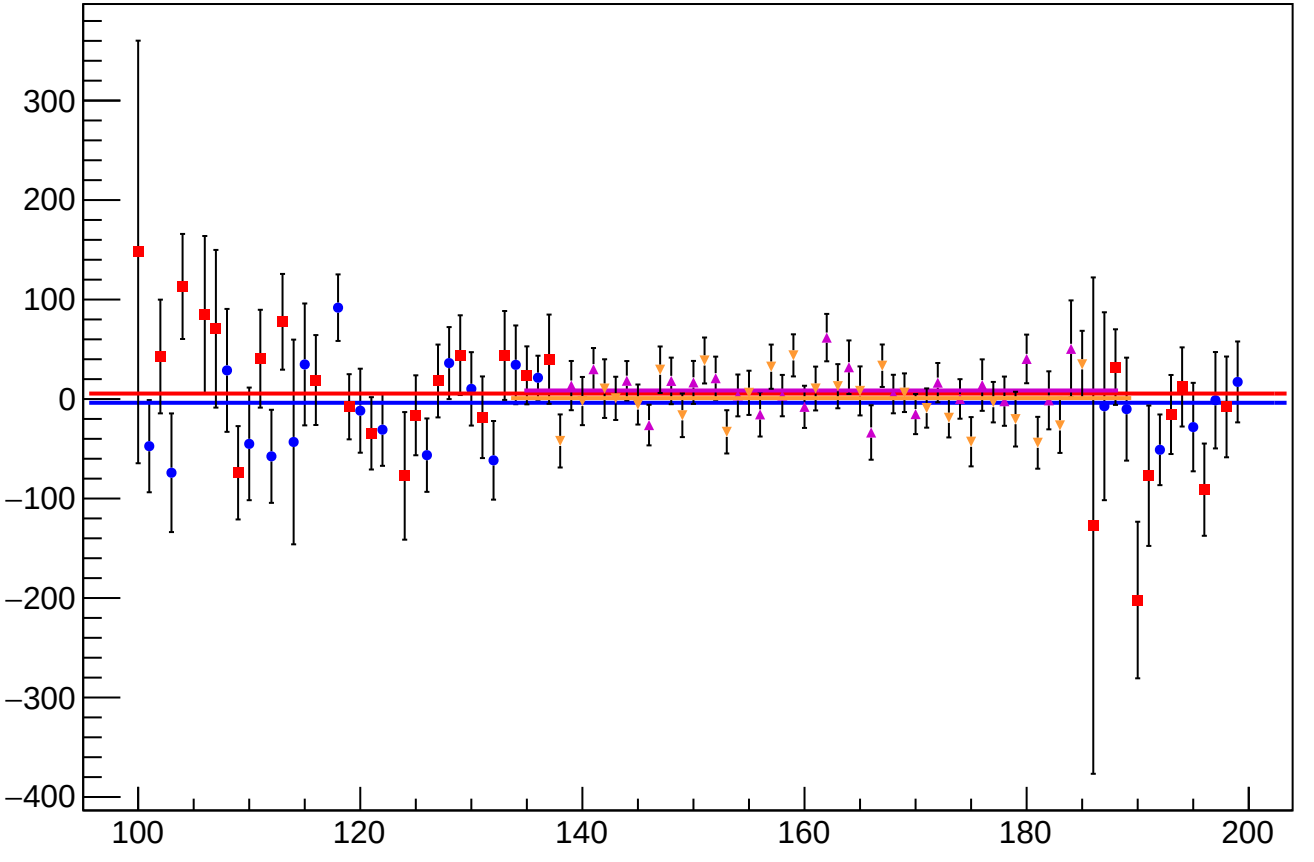
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11150859.8/46

All: 0.000+/-0.000 χ^2/NDF: 24216739.3/96

- sign 0.000+/-0.000 χ^2/NDF: 12907145.2/49

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.764+/-8.866 χ^2/NDF: 23.8/21

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.512+/-8.881 χ^2/NDF: 32.7/26

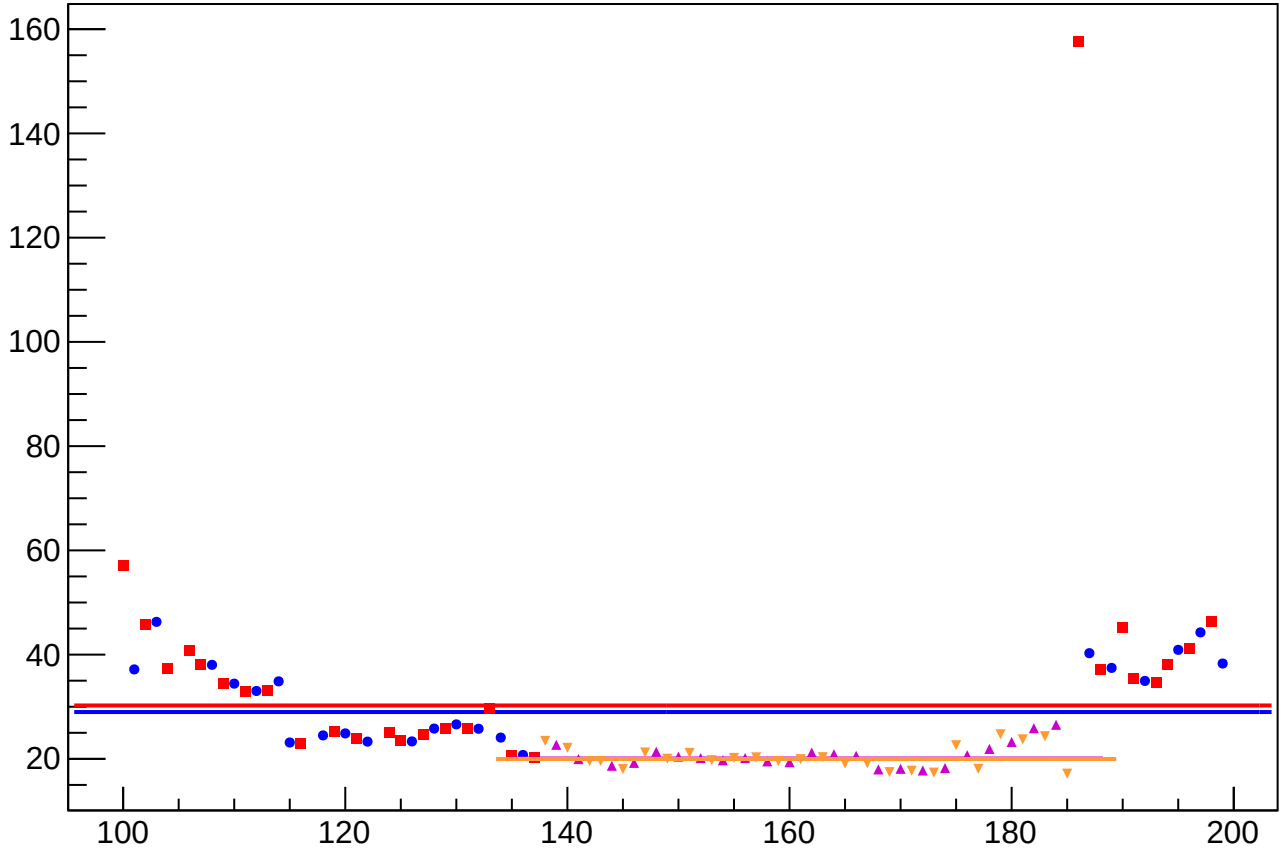
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.067+/-4.065 χ^2/NDF: 53.3/46

All: 3.824+/-2.911 χ^2/NDF: 107.3/96

- sign 7.919+/-4.170 χ^2/NDF: 52.1/49

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.987+/-0.006 χ^2/NDF: 1413372.1/21

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

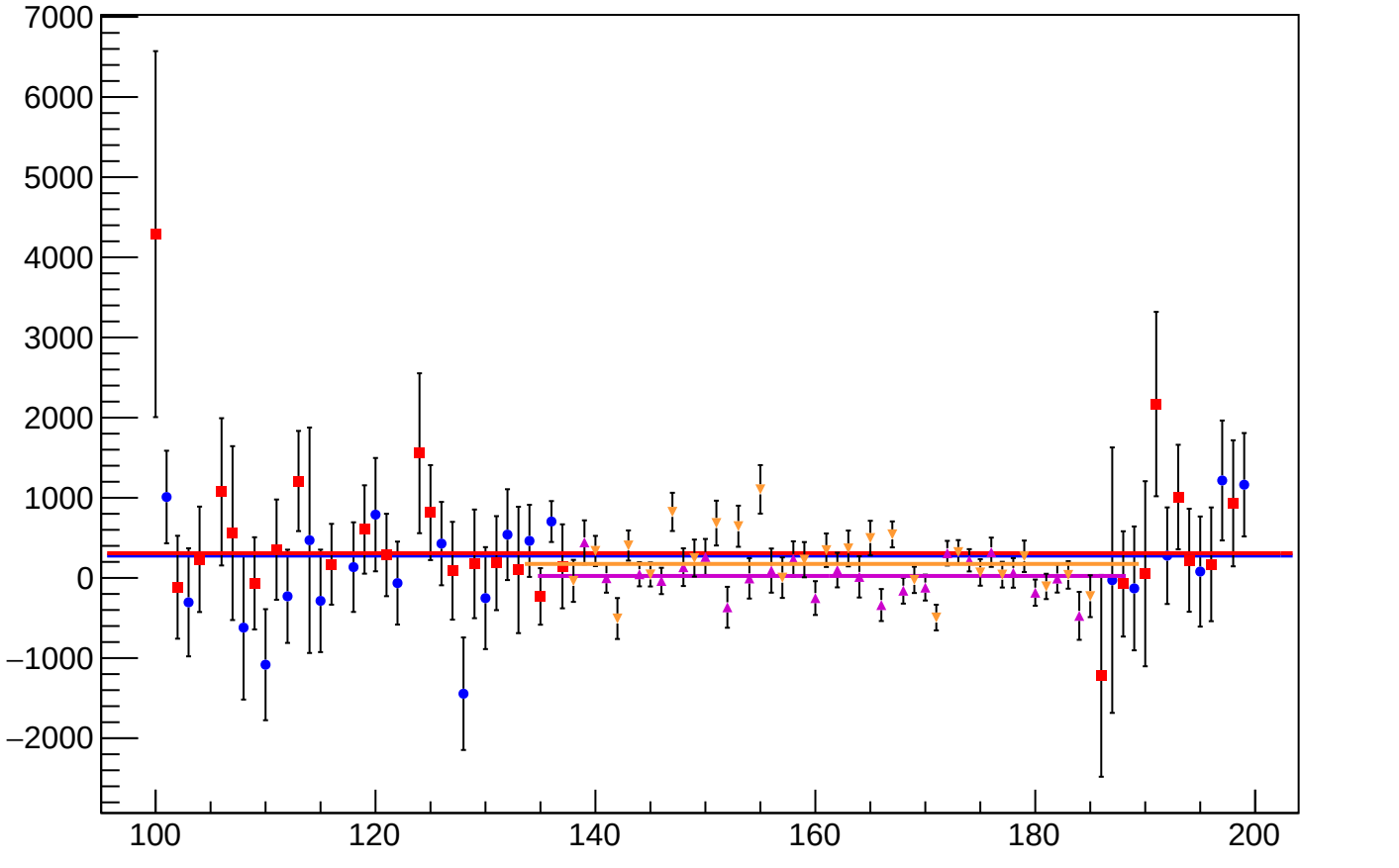
Right Out: 30.247+/-0.006 χ^2/NDF: 2025988.5/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.864+/-0.003 χ^2/NDF: 3434293.9/46

All: 22.084+/-0.002 χ^2/NDF: 7820049.3/96

- sign 22.316+/-0.003 χ^2/NDF: 4373718.9/49



Right In: 278.947+/-123.016 χ^2/NDF: 23.6/21

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

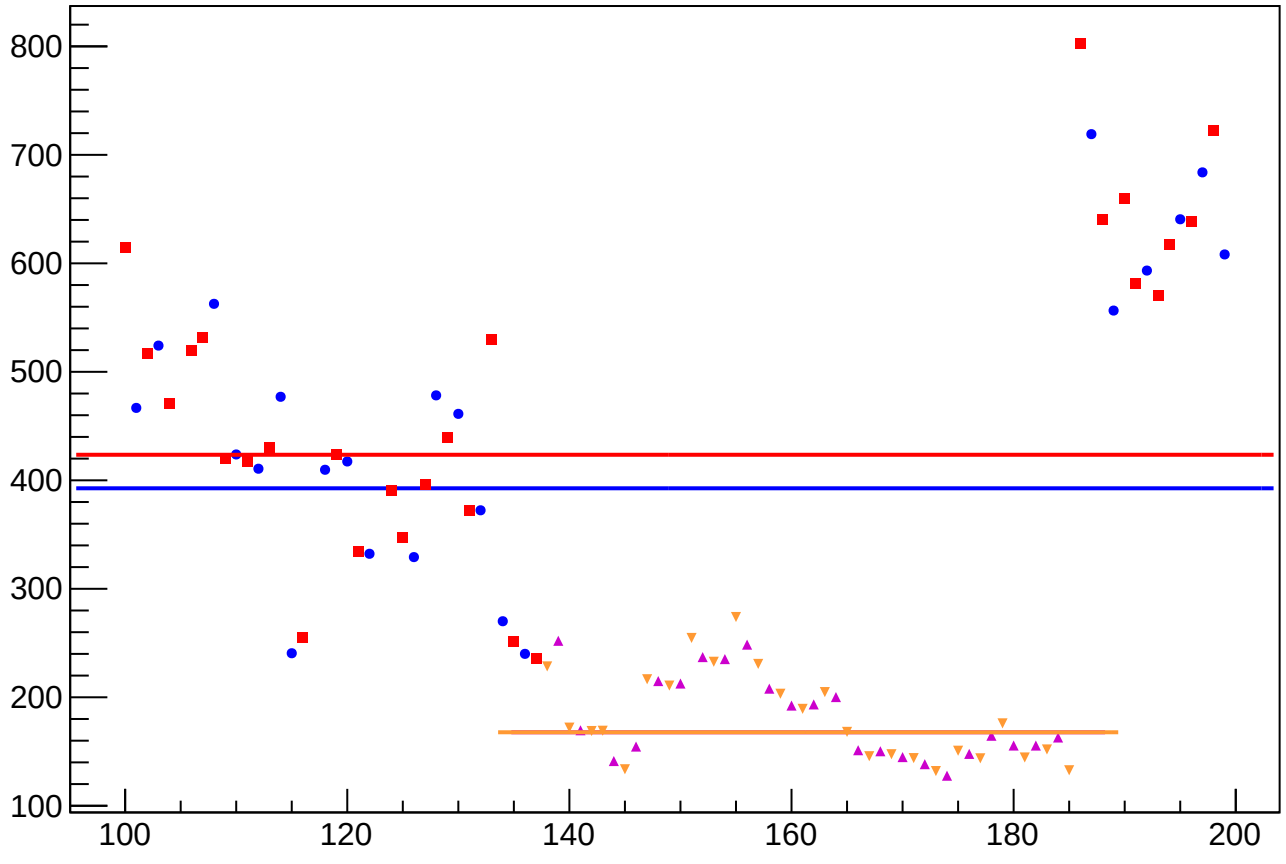
Right Out: 308.903+/-125.117 χ^2/NDF: 18.5/26

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 184.236+/-37.219 χ^2/NDF: 95.5/46

All: 119.301+/-26.645 χ^2/NDF: 151.8/96

- sign 51.038+/-38.161 χ^2/NDF: 50.0/49



Right In: 392.644+/-0.087 χ^2/NDF: 2464349.0/21

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 423.550+/-0.088 χ^2/NDF: 2494876.8/26

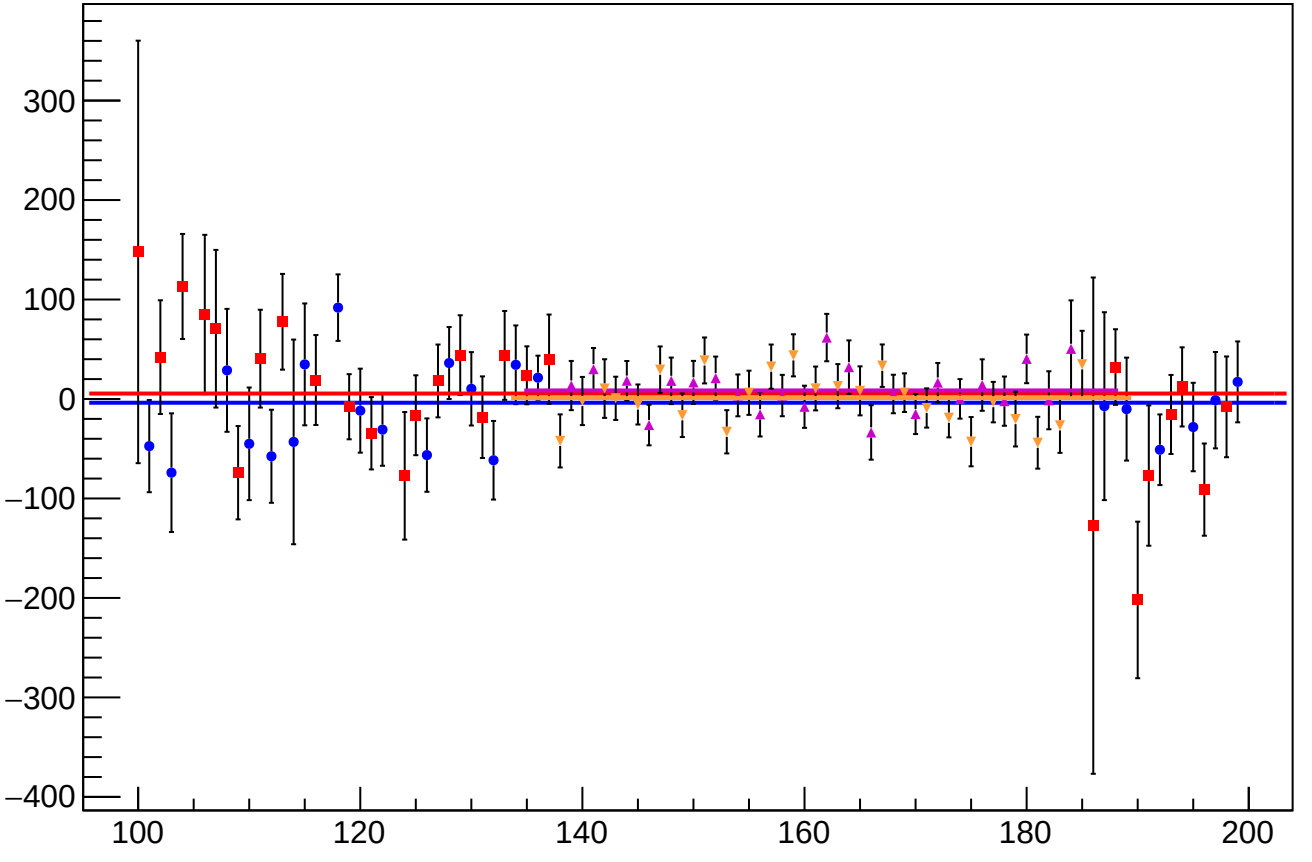
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 188.341+/-0.026 χ^2/NDF: 10114920.7/46

All: 189.903+/-0.019 χ^2/NDF: 21602468.6/96

- sign 191.545+/-0.027 χ^2/NDF: 11480322.2/49

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.762+/-8.866 χ^2/NDF: 23.8/21

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.481+/-8.882 χ^2/NDF: 32.7/26

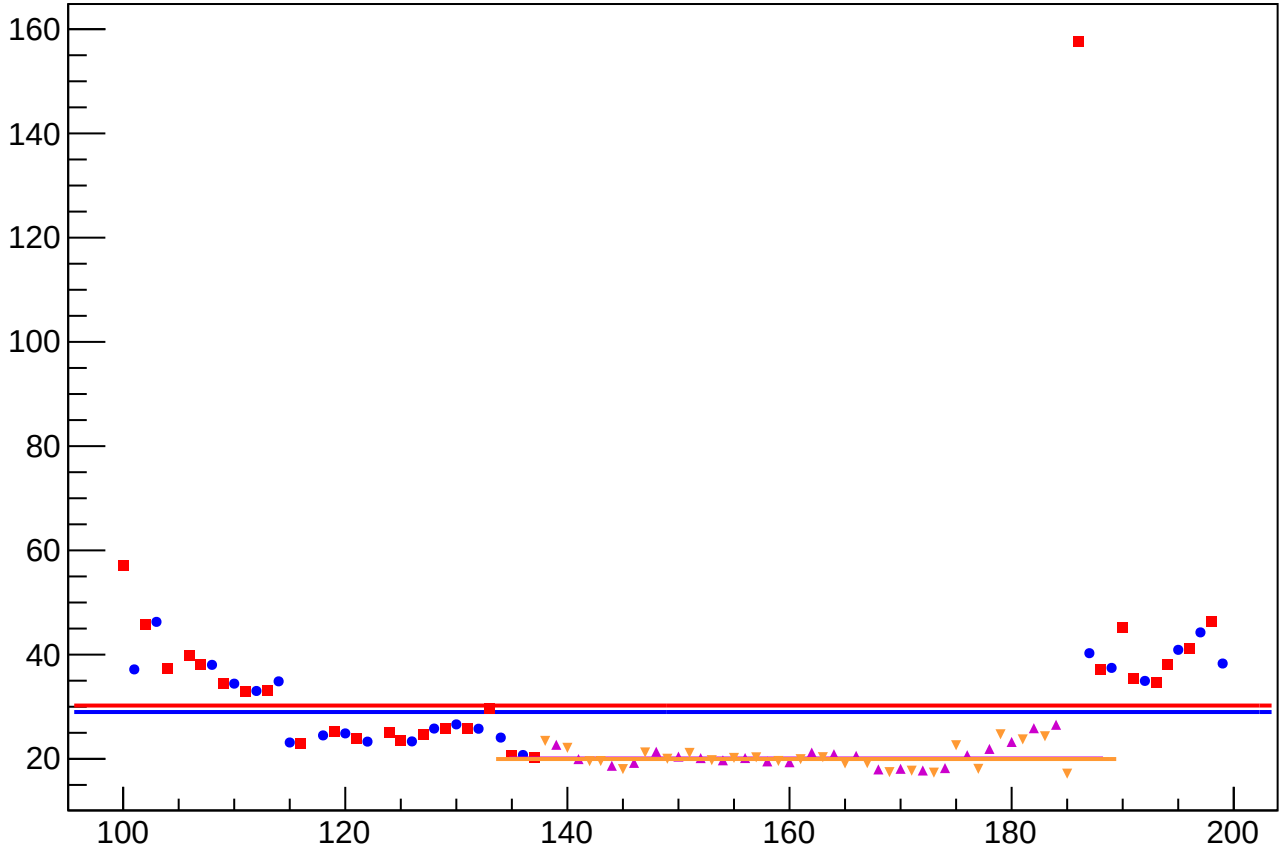
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.068+/-4.065 χ^2/NDF: 53.3/46

All: 3.820+/-2.911 χ^2/NDF: 107.3/96

- sign 7.913+/-4.170 χ^2/NDF: 52.1/49

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.987+/-0.006 χ^2/NDF: 1413375.3/21

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

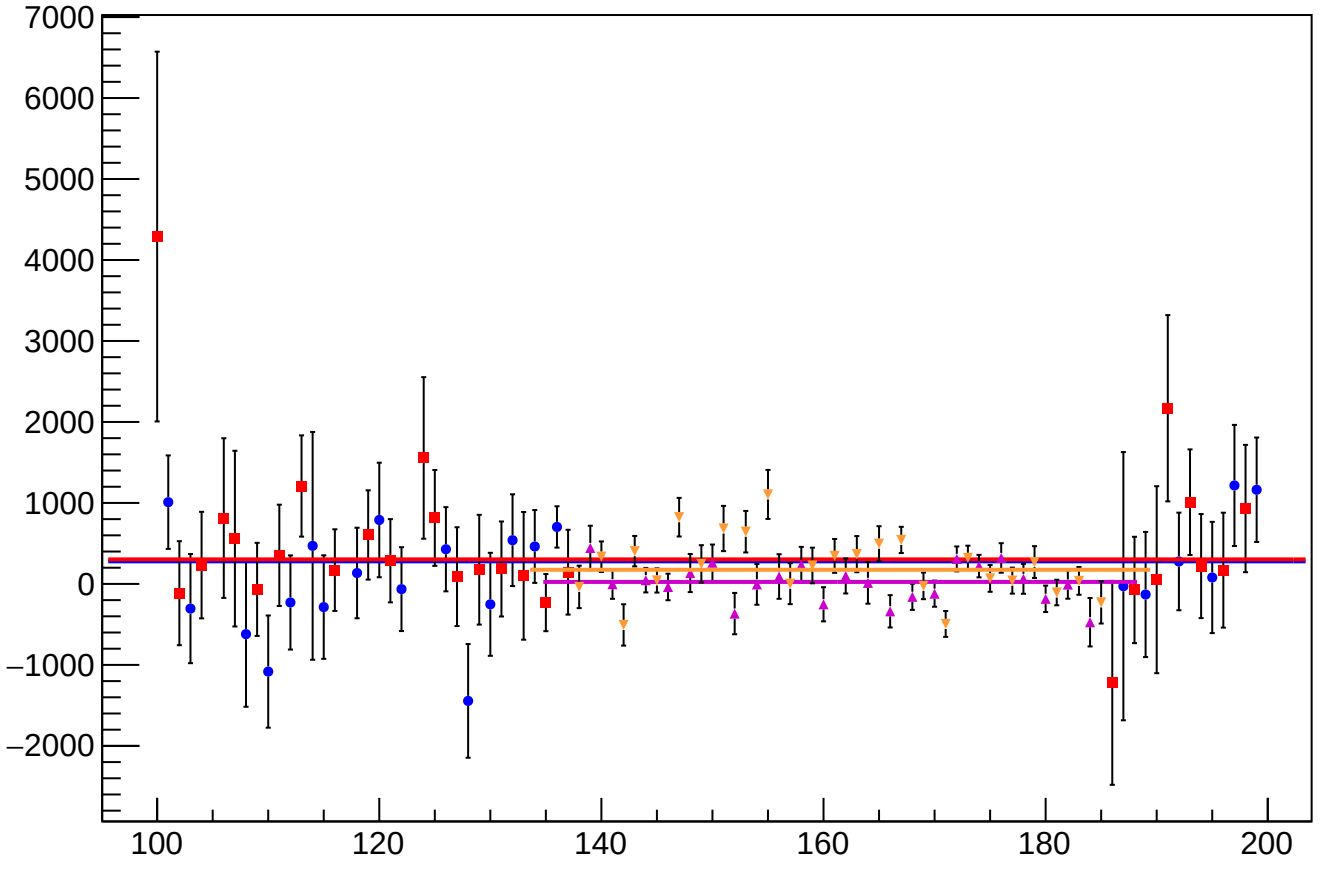
Right Out: 30.231+/-0.006 χ^2/NDF: 2018764.0/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.864+/-0.003 χ^2/NDF: 3434297.2/46

All: 22.082+/-0.002 χ^2/NDF: 7805948.0/96

- sign 22.312+/-0.003 χ^2/NDF: 4359820.4/49



Right In: 278.942+/-123.016 χ^2/NDF: 23.6/21

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

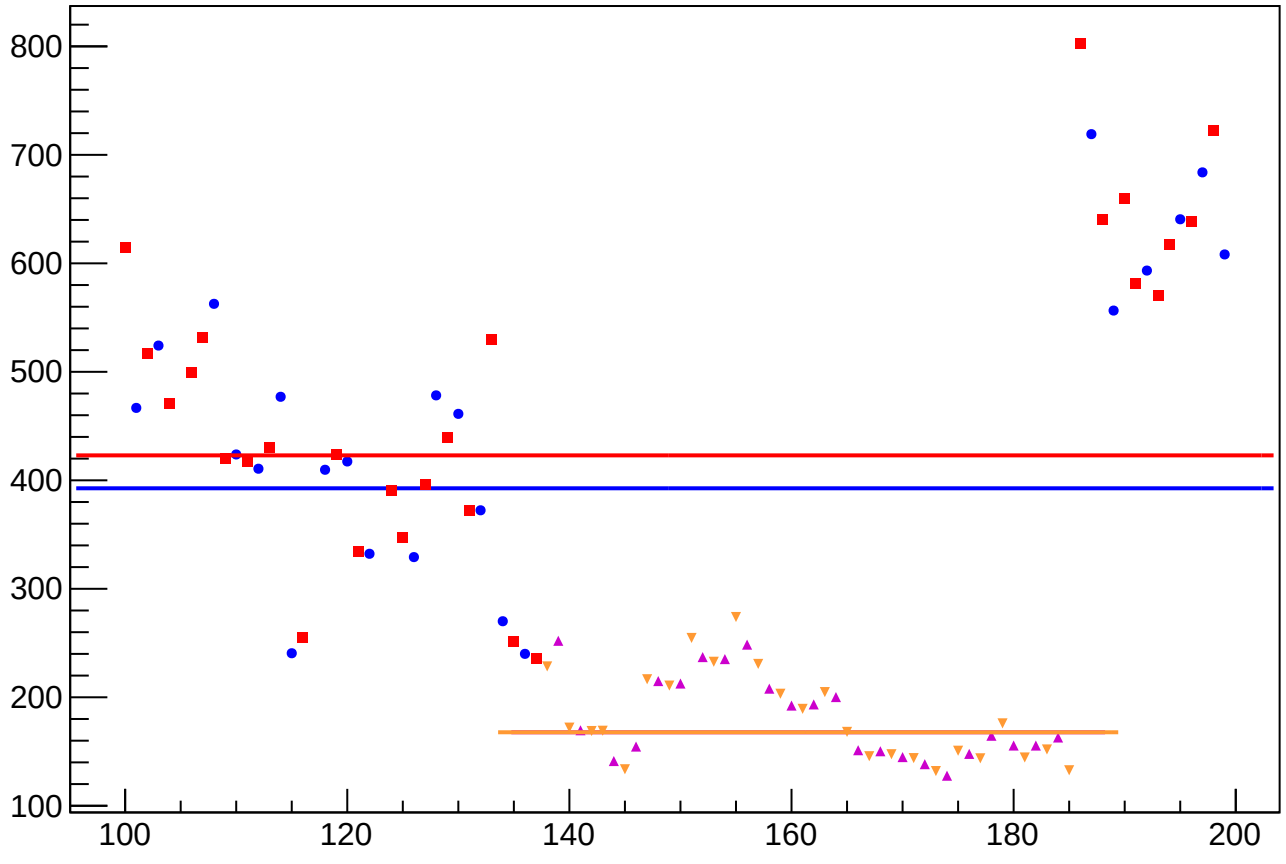
Right Out: 302.884+/-125.272 χ^2/NDF: 18.0/26

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 184.234+/-37.219 χ^2/NDF: 95.5/46

All: 119.007+/-26.646 χ^2/NDF: 151.2/96

- sign 50.420+/-38.165 χ^2/NDF: 49.4/49



Right In: 392.644+/-0.087 χ^2/NDF: 2464374.6/21

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

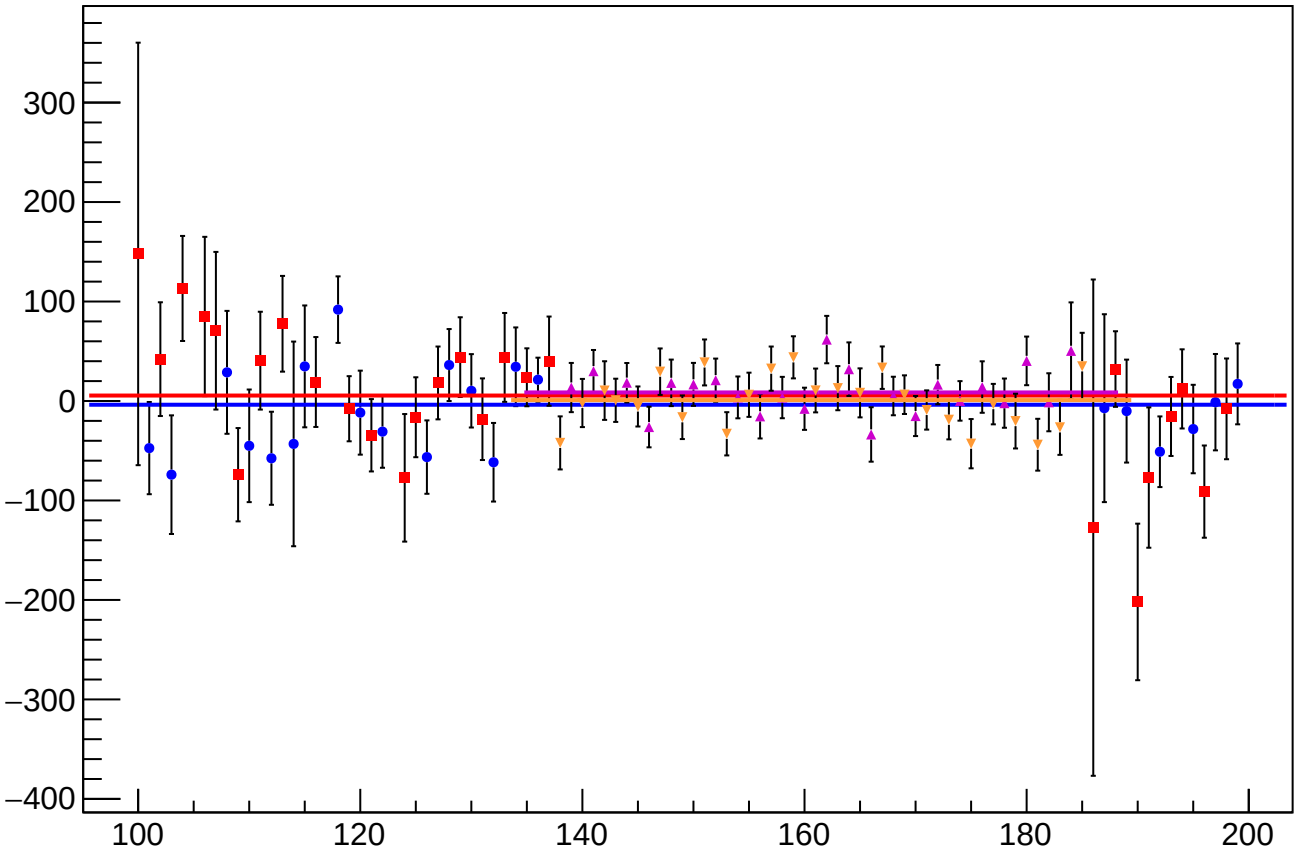
Right Out: 422.992+/-0.089 χ^2/NDF: 2484910.8/26

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 188.341+/-0.026 χ^2/NDF: 10114943.5/46

All: 189.851+/-0.019 χ^2/NDF: 21542037.1/96

- sign 191.439+/-0.027 χ^2/NDF: 11420335.0/49



Right In: -3.762+/-8.866 χ^2/NDF: 23.8/21

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.481+/-8.882 χ^2/NDF: 32.7/26

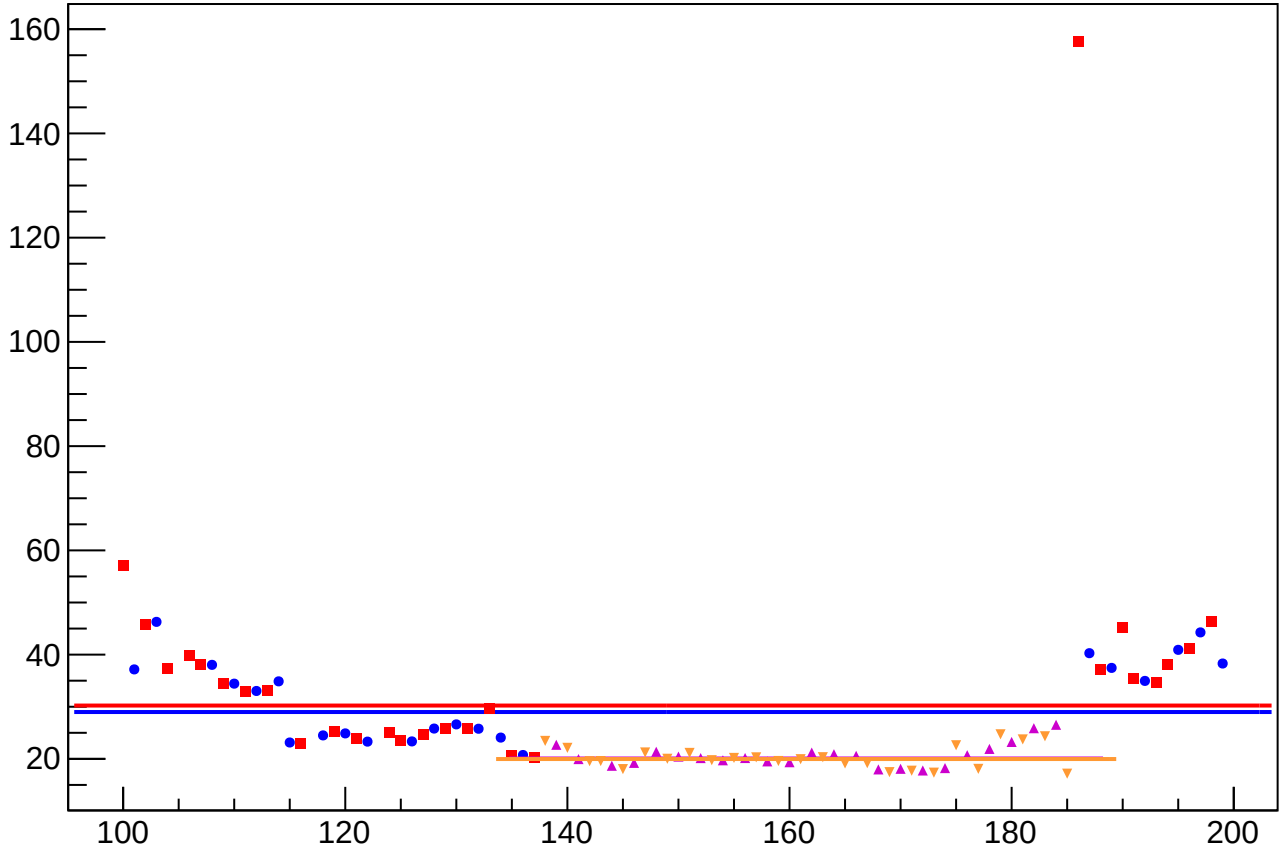
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

\+ sign -0.068+/-4.065 χ^2/NDF: 53.3/46

All: 3.820+/-2.911 χ^2/NDF: 107.3/96

\- sign 7.913+/-4.170 χ^2/NDF: 52.1/49

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.987+/-0.006 χ^2/NDF: 1413375.3/21

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

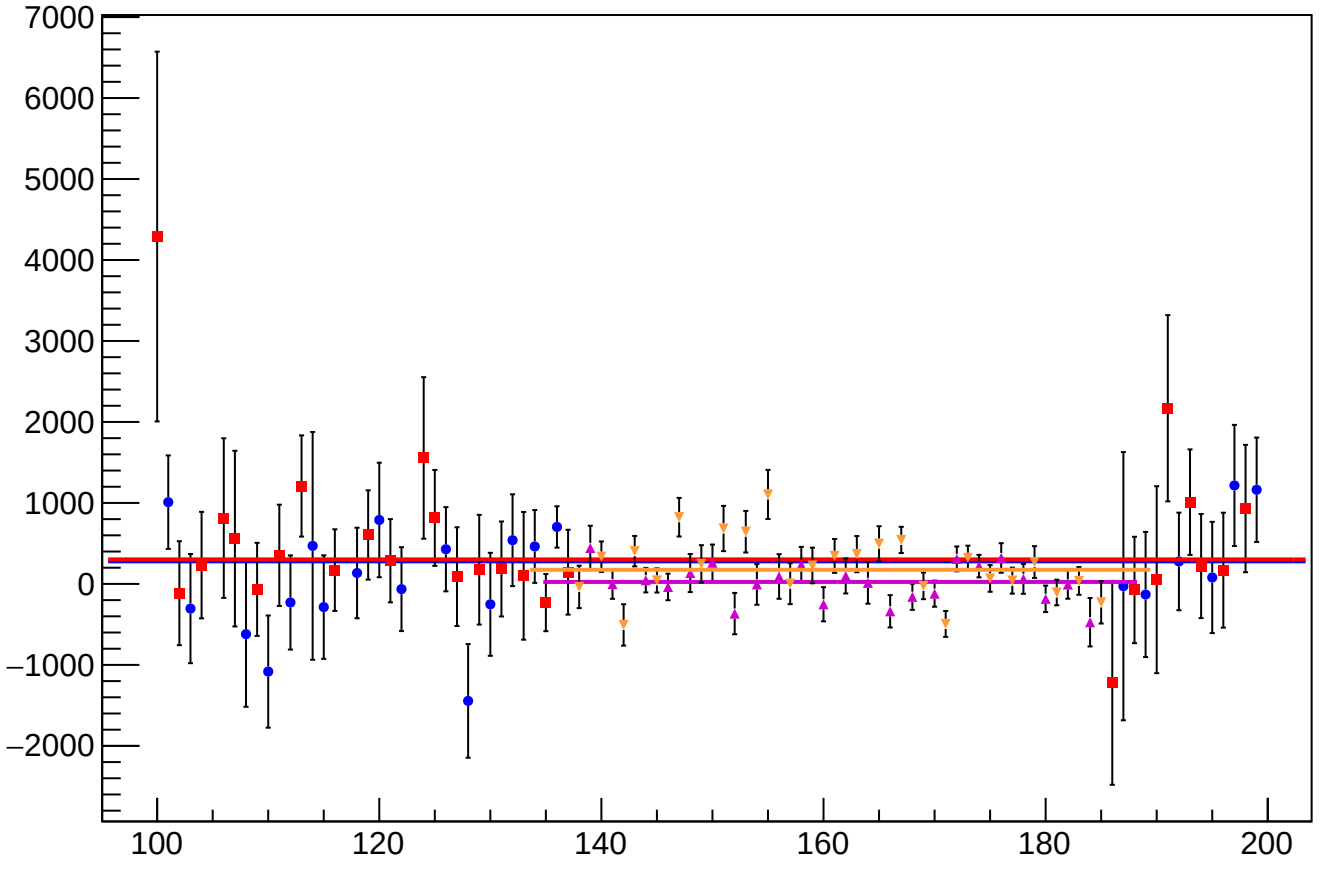
Right Out: 30.231+/-0.006 χ^2/NDF: 2018764.0/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.864+/-0.003 χ^2/NDF: 3434297.2/46

All: 22.082+/-0.002 χ^2/NDF: 7805948.0/96

- sign 22.312+/-0.003 χ^2/NDF: 4359820.4/49



Right In: 278.942+/-123.016 χ^2/NDF: 23.6/21

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

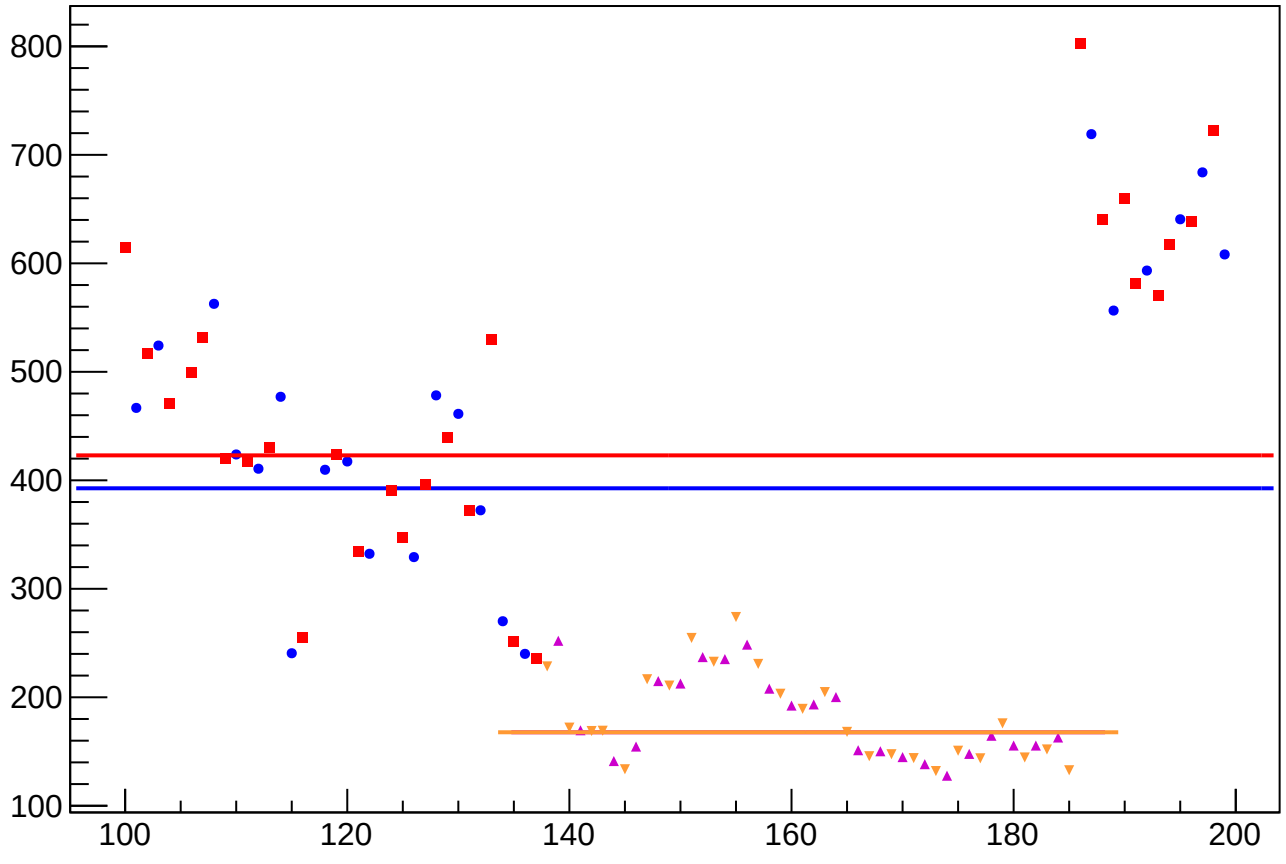
Right Out: 302.884+/-125.272 χ^2/NDF: 18.0/26

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 184.234+/-37.219 χ^2/NDF: 95.5/46

All: 119.007+/-26.646 χ^2/NDF: 151.2/96

- sign 50.420+/-38.165 χ^2/NDF: 49.4/49



Right In: 392.644+/-0.087 χ^2/NDF: 2464374.6/21

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 422.992+/-0.089 χ^2/NDF: 2484910.8/26

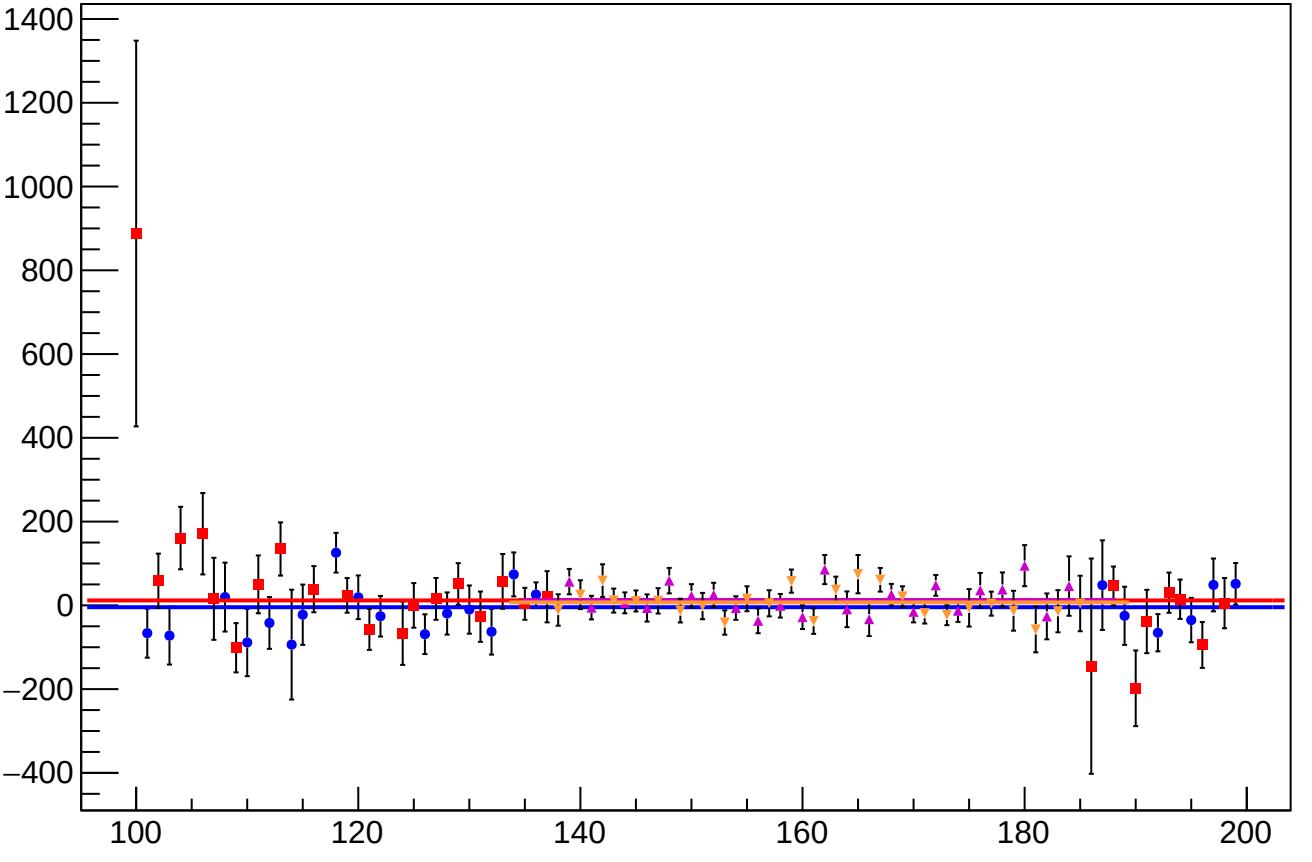
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 188.341+/-0.026 χ^2/NDF: 10114943.5/46

All: 189.851+/-0.019 χ^2/NDF: 21542037.1/96

- sign 191.439+/-0.027 χ^2/NDF: 11420335.0/49

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.417+/-11.634 χ^2/NDF: 23.0/21

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 11.743+/-11.334 χ^2/NDF: 34.3/26

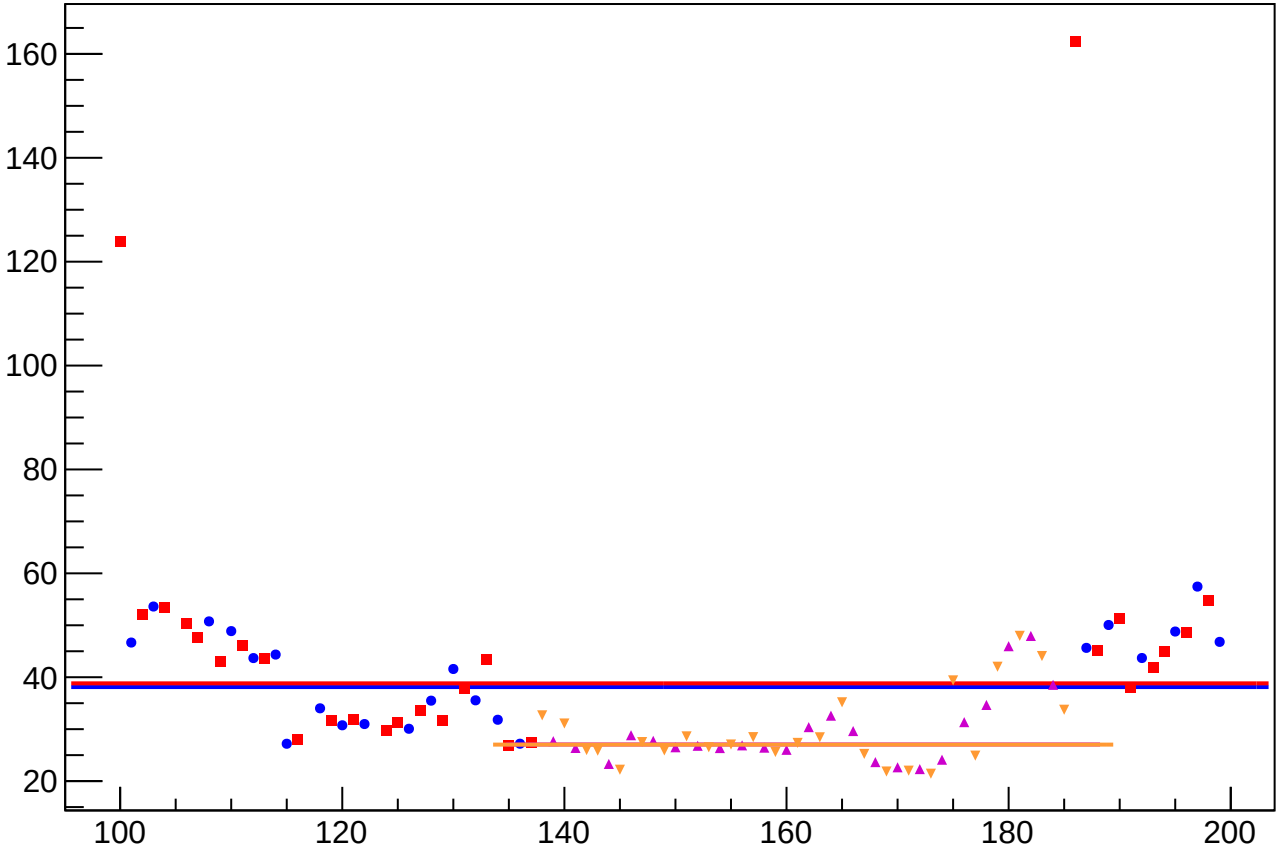
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 4.451+/-5.562 χ^2/NDF: 46.5/46

All: 8.395+/-3.963 χ^2/NDF: 107.4/96

- sign 12.460+/-5.647 χ^2/NDF: 59.9/49

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 38.108+/-0.008 χ^2/NDF: 1208032.6/21

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

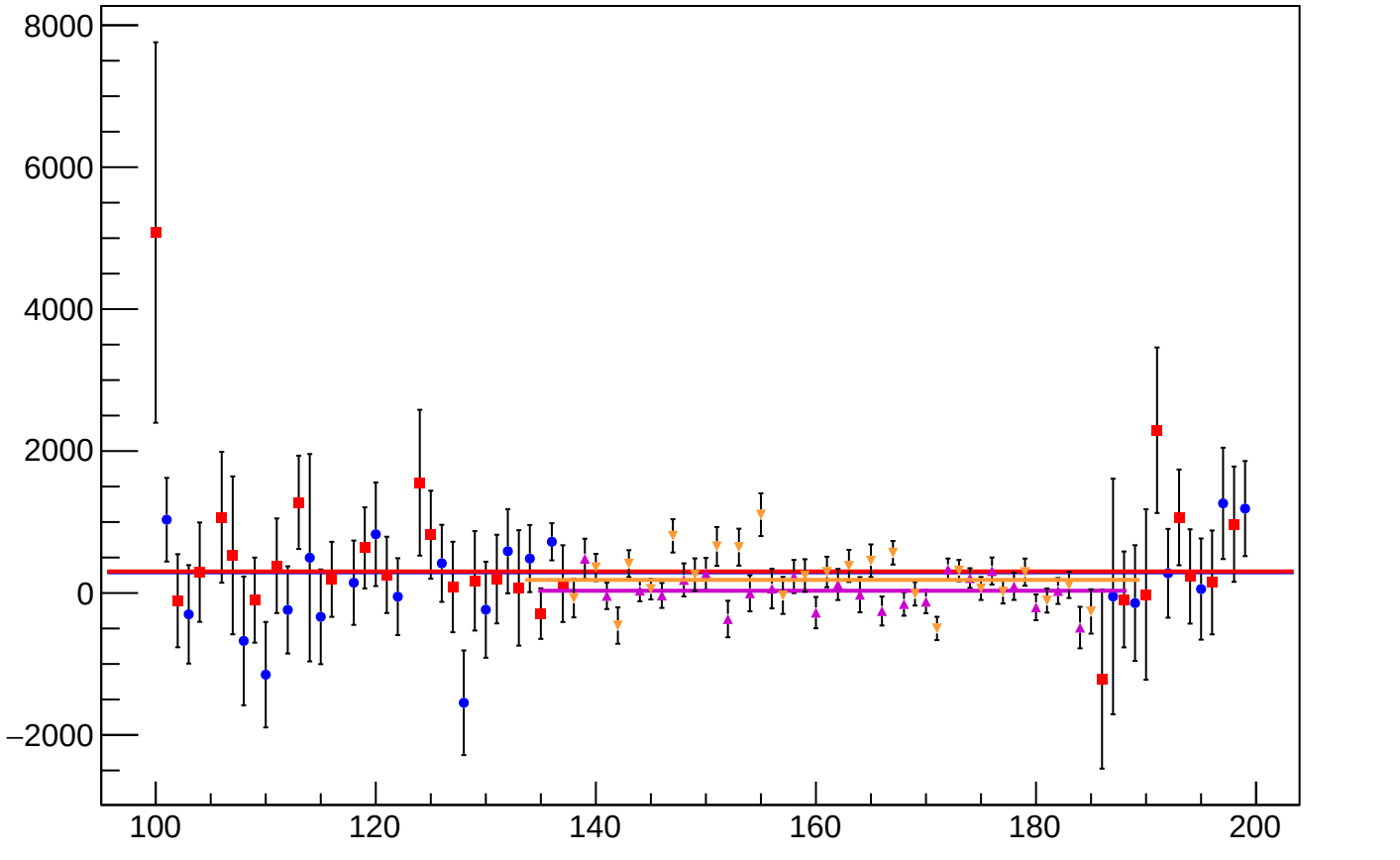
Right Out: 38.821+/-0.008 χ^2/NDF: 1682816.9/26

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 29.560+/-0.004 χ^2/NDF: 4038334.3/46

All: 29.764+/-0.003 χ^2/NDF: 8392010.3/96

- sign 29.974+/-0.004 χ^2/NDF: 4348212.1/49



Right In: 291.769+/-127.967 χ^2/NDF: 23.6/21

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

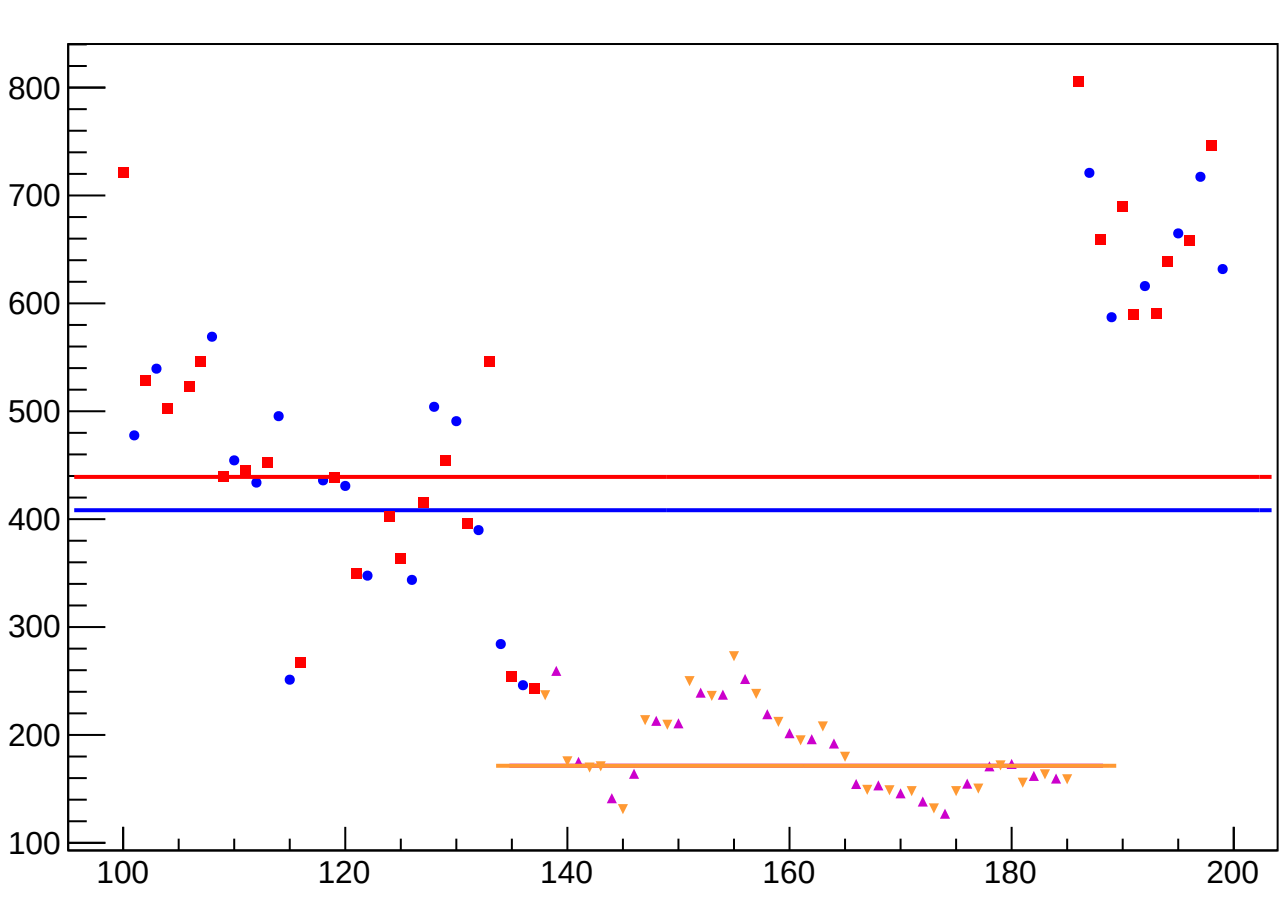
Right Out: 303.903+/-129.684 χ^2/NDF: 19.5/26

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 194.134+/-38.032 χ^2/NDF: 92.0/46

All: 127.211+/-27.253 χ^2/NDF: 148.2/96

- sign 56.581+/-39.071 χ^2/NDF: 49.8/49



Right In: 408.290+/-0.090 χ^2/NDF: 2503118.7/21

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 439.158+/-0.092 χ^2/NDF: 2506723.1/26

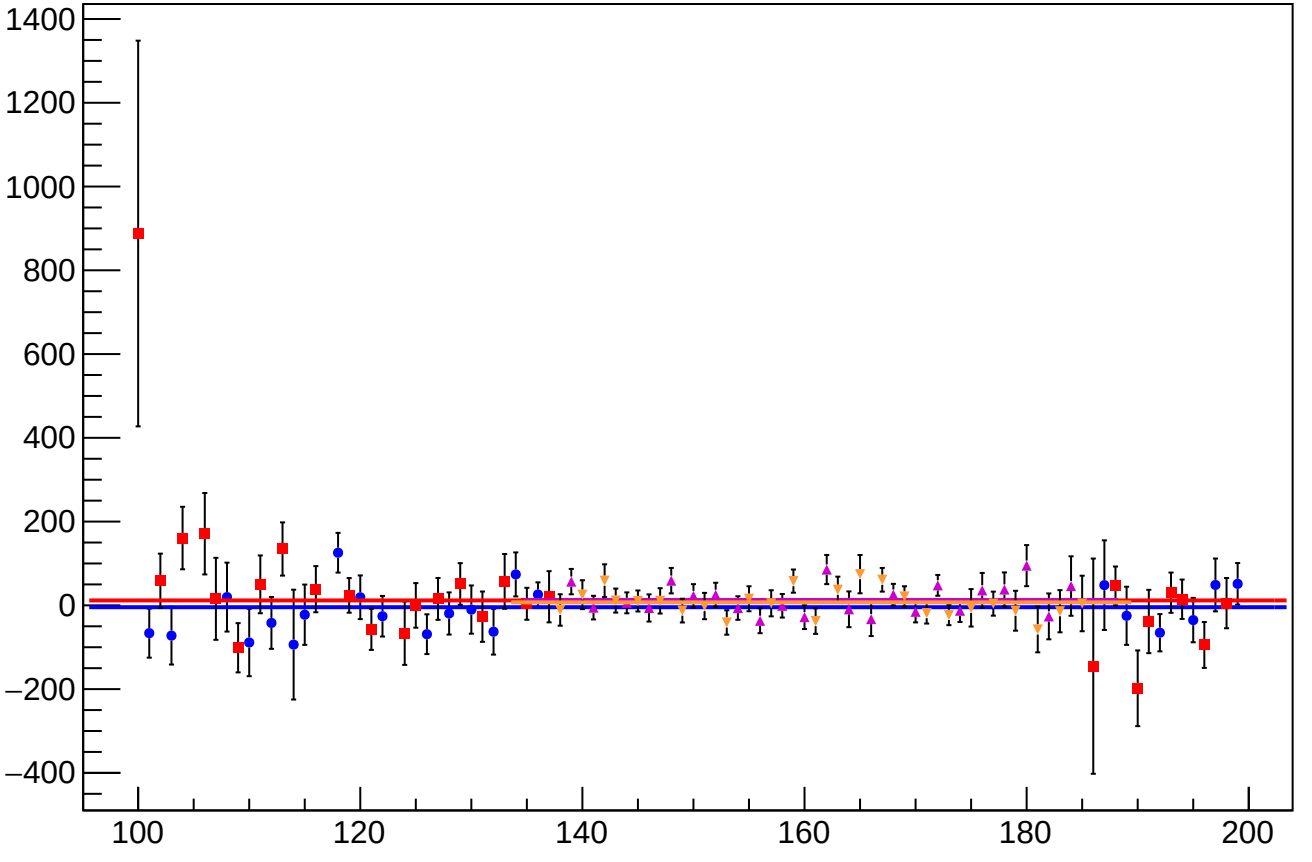
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 192.349+/-0.027 χ^2/NDF: 10276880.2/46

All: 194.021+/-0.019 χ^2/NDF: 21954138.9/96

- sign 195.786+/-0.028 χ^2/NDF: 11669311.4/49

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.418+/-11.634 χ^2/NDF: 23.0/21

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 11.743+/-11.334 χ^2/NDF: 34.3/26

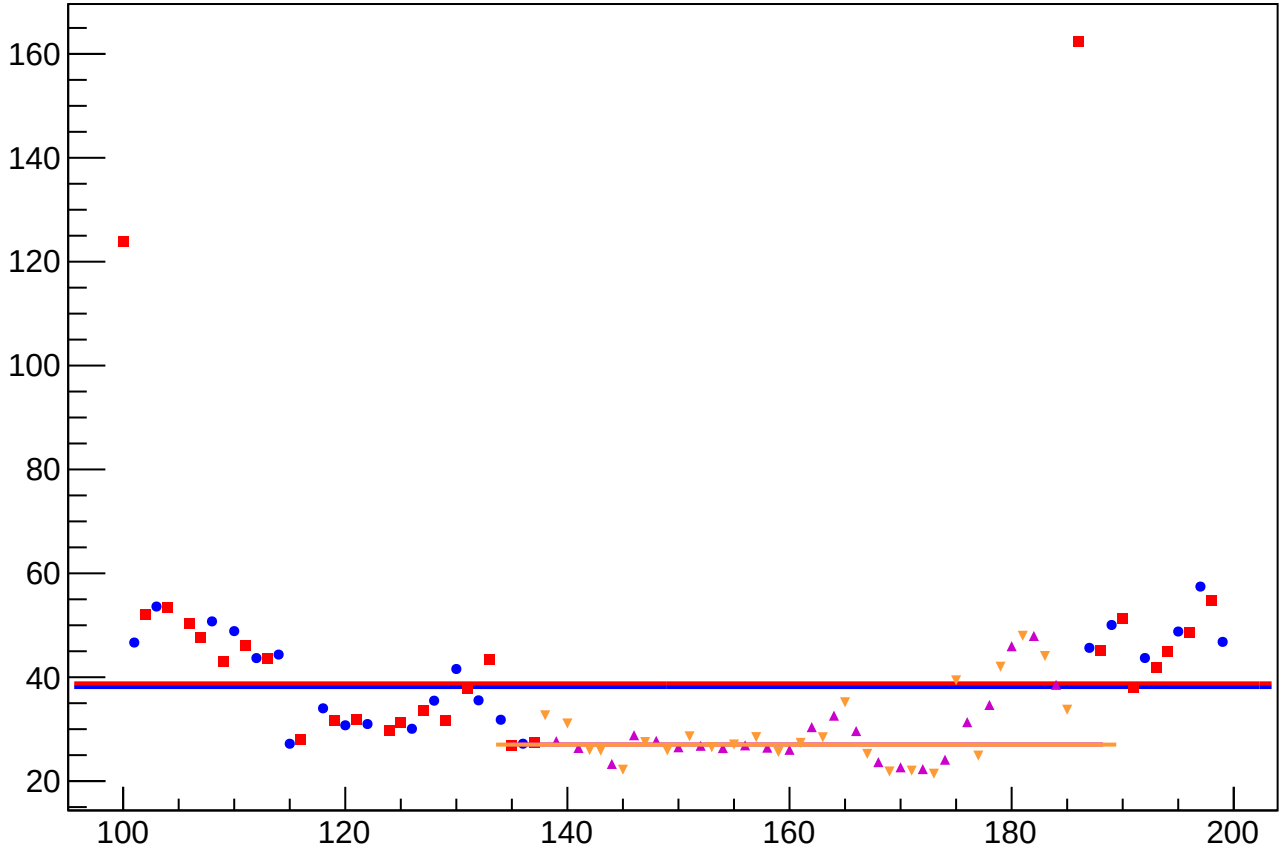
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 4.451+/-5.562 χ^2/NDF: 46.5/46

All: 8.395+/-3.963 χ^2/NDF: 107.4/96

- sign 12.460+/-5.647 χ^2/NDF: 59.9/49

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 38.107+/-0.008 χ^2/NDF: 1208032.3/21

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

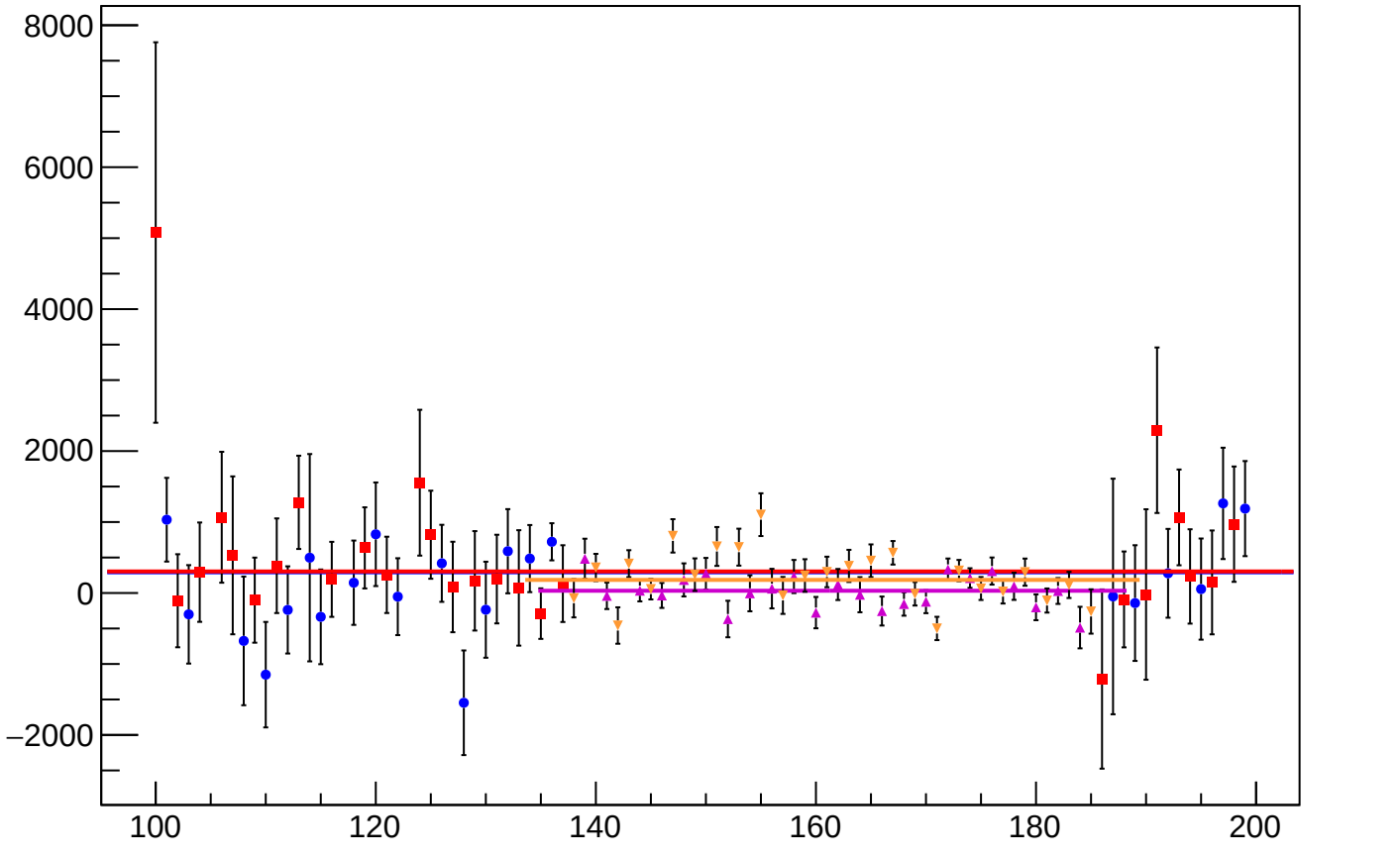
Right Out: 38.821+/-0.008 χ^2/NDF: 1682824.0/26

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 29.560+/-0.004 χ^2/NDF: 4038233.2/46

All: 29.764+/-0.003 χ^2/NDF: 8391794.5/96

- sign 29.974+/-0.004 χ^2/NDF: 4348098.0/49



Right In: 291.767+/-127.967 χ^2/NDF: 23.6/21

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

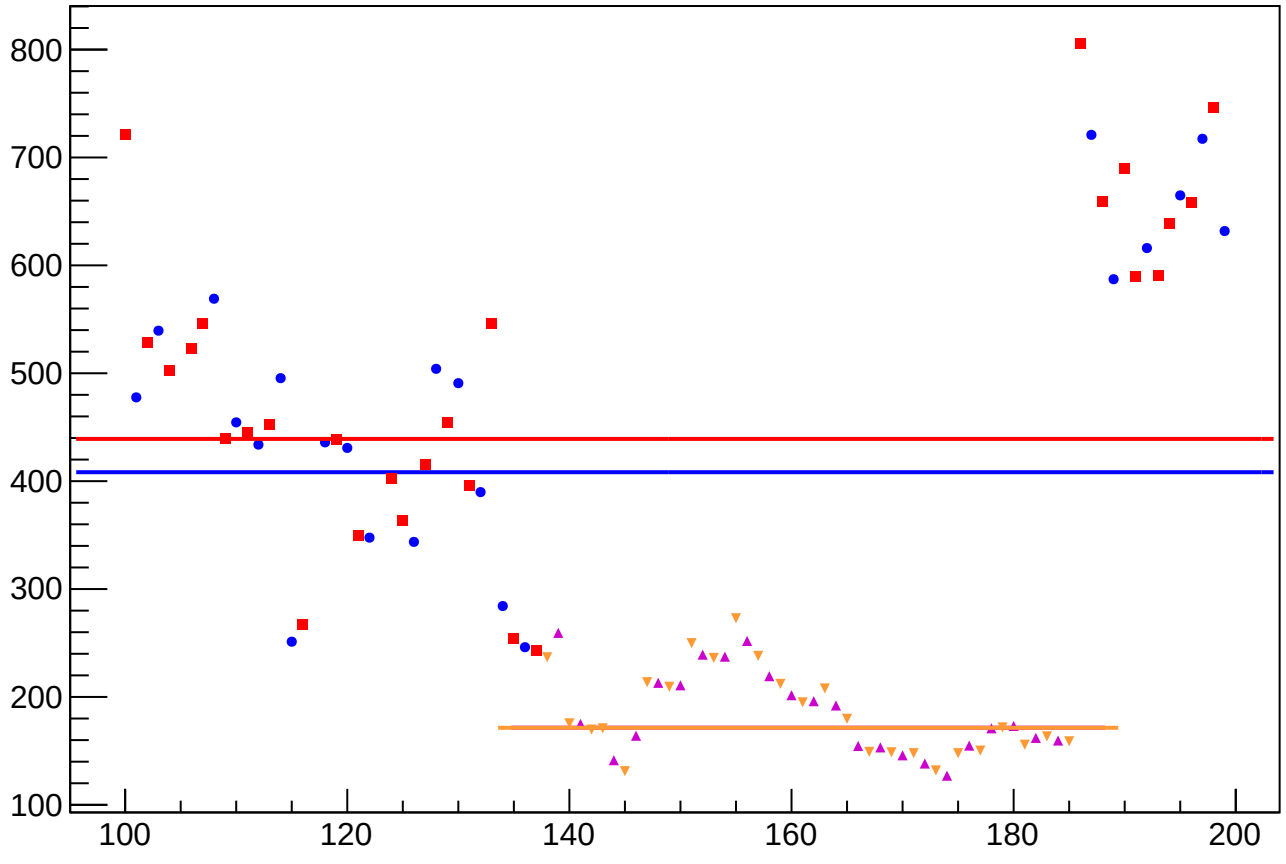
Right Out: 303.903+/-129.684 χ^2/NDF: 19.5/26

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 194.133+/-38.032 χ^2/NDF: 92.0/46

All: 127.210+/-27.253 χ^2/NDF: 148.2/96

- sign 56.581+/-39.071 χ^2/NDF: 49.8/49



Right In: 408.289+/-0.090 χ^2/NDF: 2503121.7/21

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 439.157+/-0.092 χ^2/NDF: 2506730.3/26

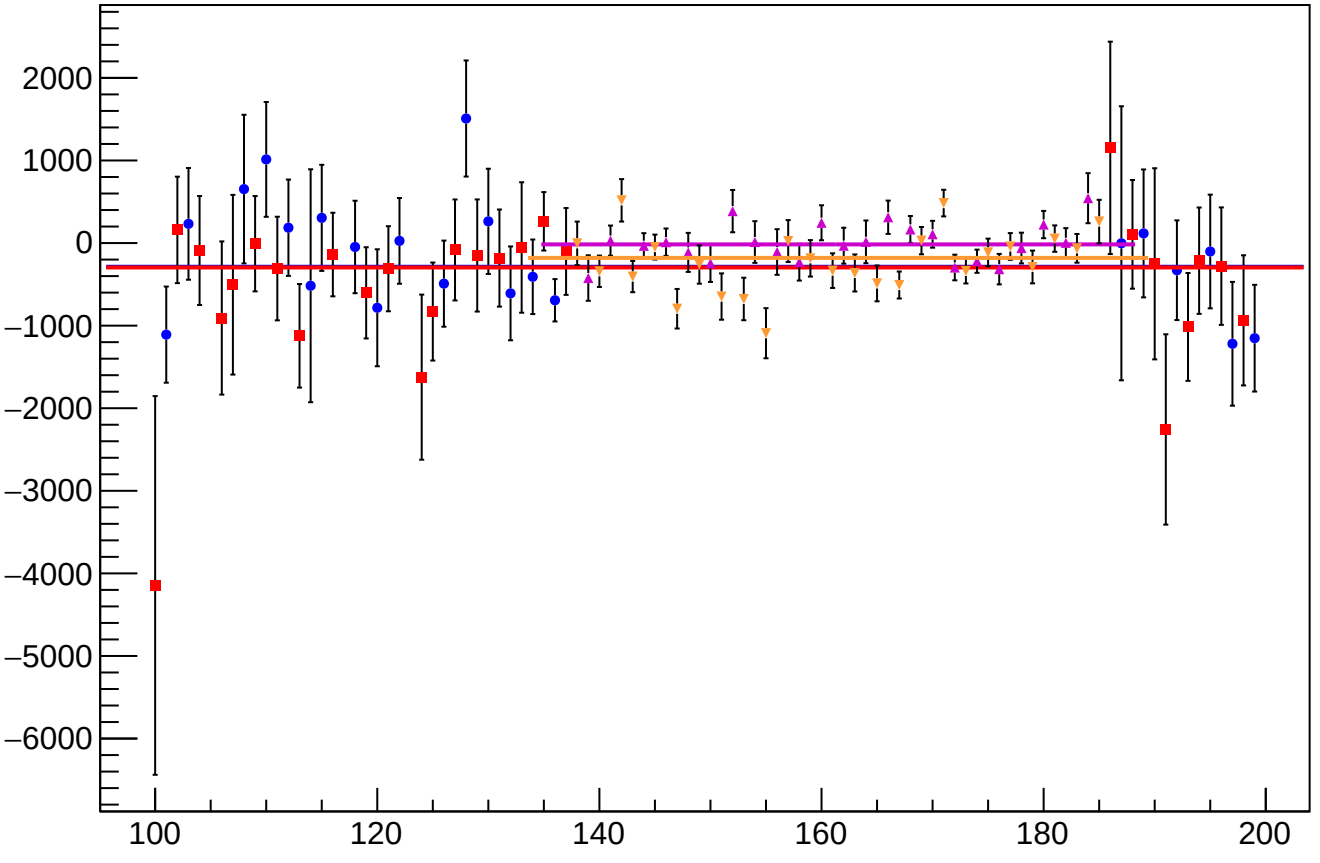
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 192.348+/-0.027 χ^2/NDF: 10276907.8/46

All: 194.020+/-0.019 χ^2/NDF: 21954200.5/96

- sign 195.785+/-0.028 χ^2/NDF: 11669346.0/49

asym_sam_1357_2468_dd_mean vs Slug



Right In: -287.120+/-123.421 χ^2/NDF: 23.8/21

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -295.492+/-125.512 χ^2/NDF: 18.2/26

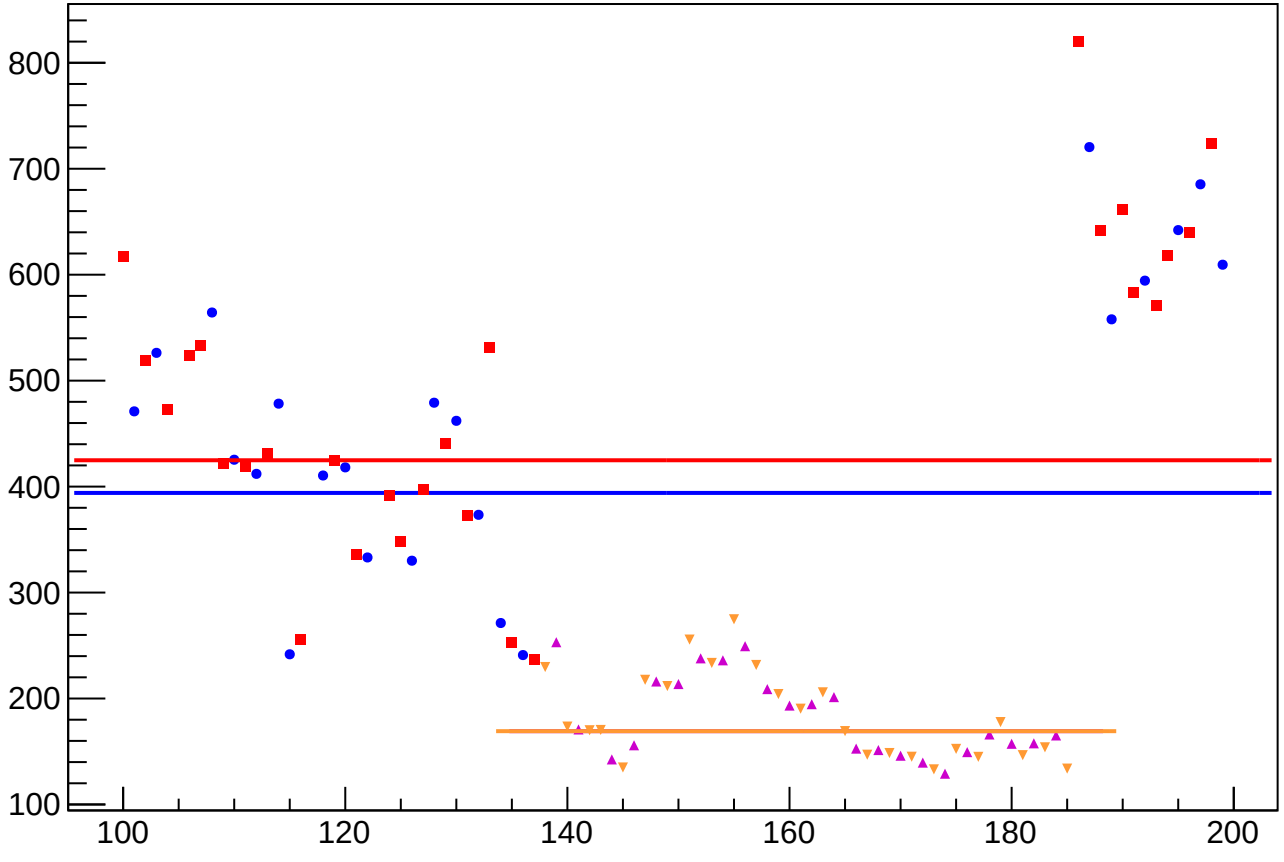
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -189.578+/-37.502 χ^2/NDF: 91.6/46

All: -117.776+/-26.848 χ^2/NDF: 148.4/96

- sign -42.286+/-38.454 χ^2/NDF: 49.3/49

asym_sam_1357_2468_dd_rms vs Slug



Right In: 394.040+/-0.087 χ^2/NDF: 2456867.8/21

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

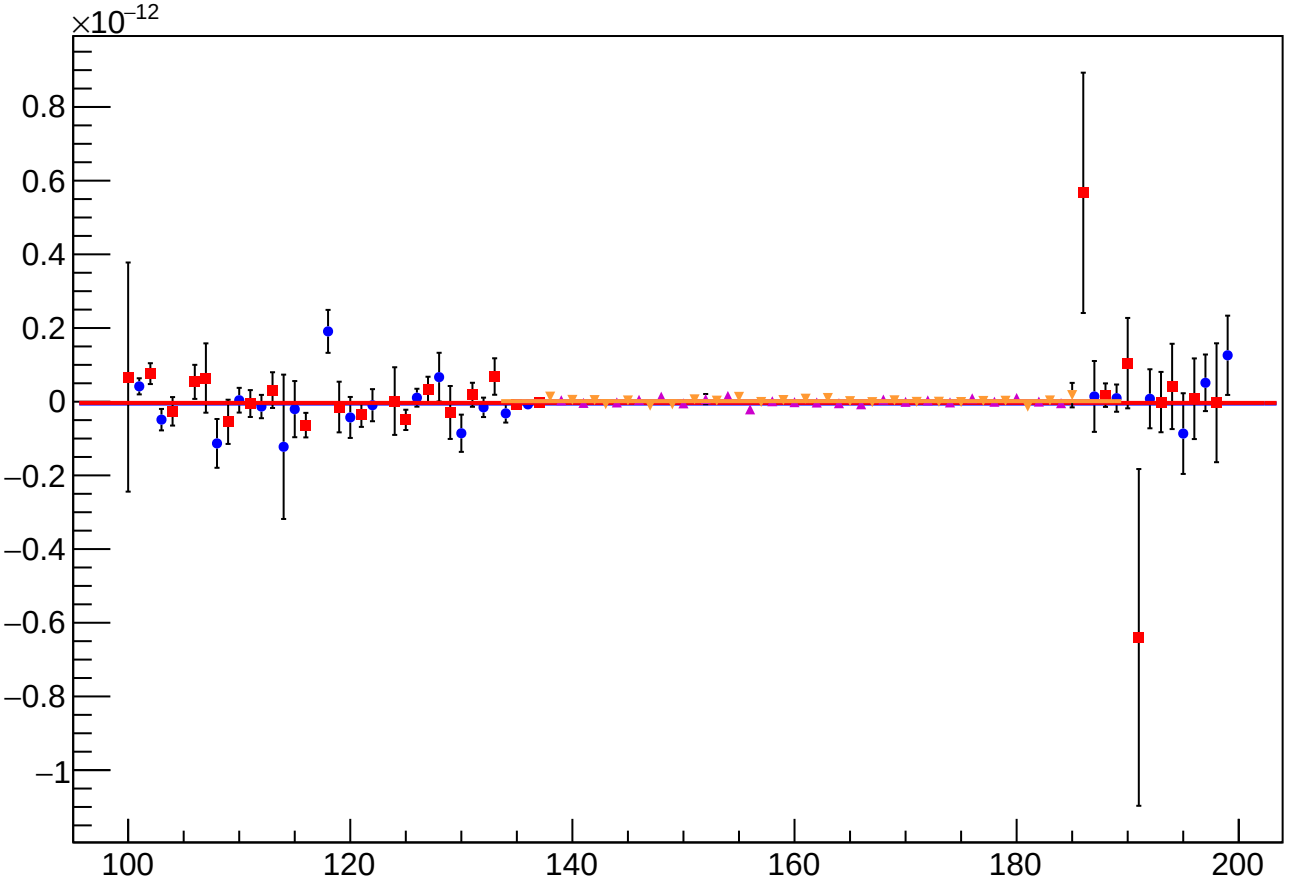
Right Out: 424.860+/-0.089 χ^2/NDF: 2496648.2/26

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 189.942+/-0.027 χ^2/NDF: 10030146.2/46

All: 191.523+/-0.019 χ^2/NDF: 21428589.0/96

- sign 193.186+/-0.027 χ^2/NDF: 11391151.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

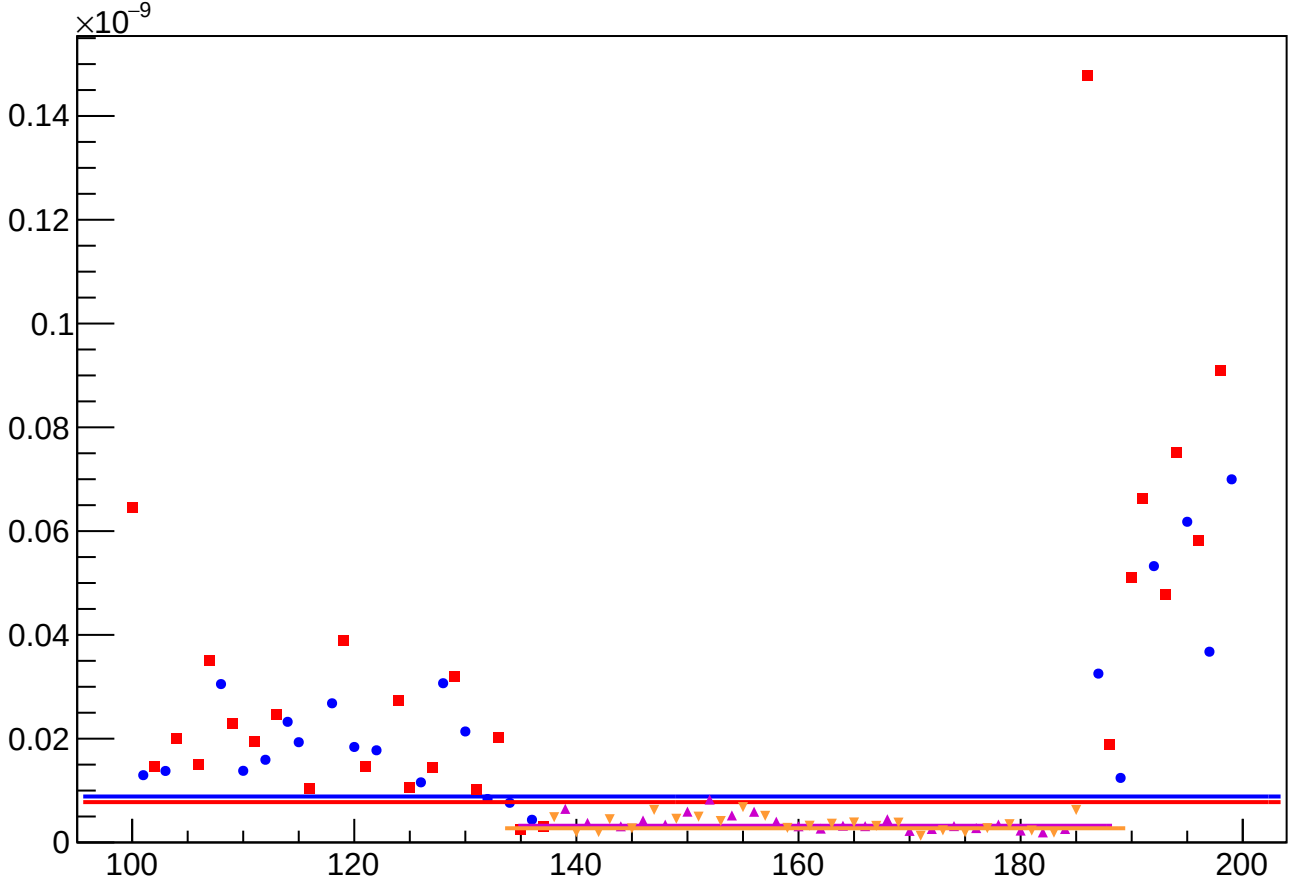
Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/26

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.2/46

All: 0.000+/-0.000 χ^2/NDF: 100.0/96

- sign 0.000+/-0.000 χ^2/NDF: 49.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 4126045.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

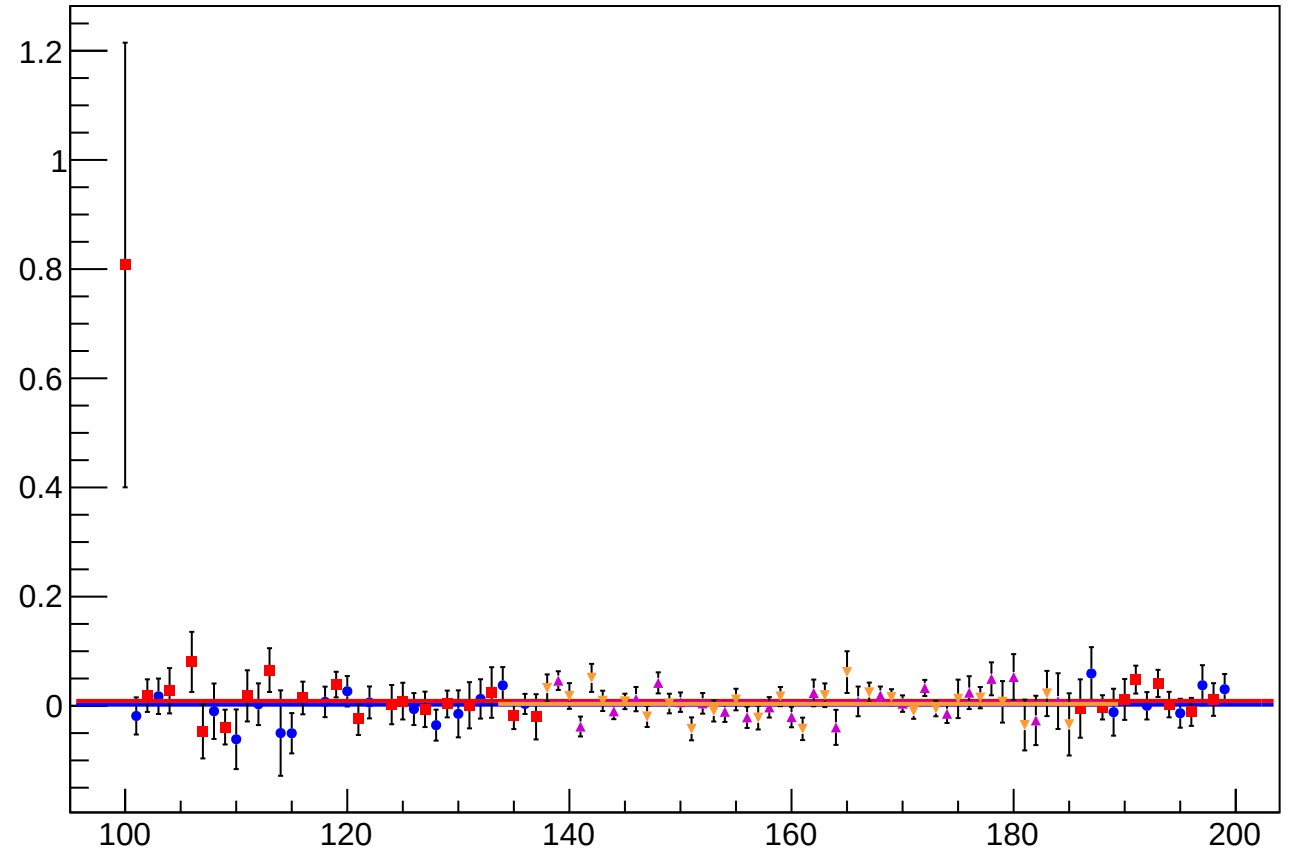
Right Out: 0.000+/-0.000 χ^2/NDF: 6450750.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8364310.6/46

All: 0.000+/-0.000 χ^2/NDF: 17651010.5/96

- sign 0.000+/-0.000 χ^2/NDF: 9128148.4/49



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

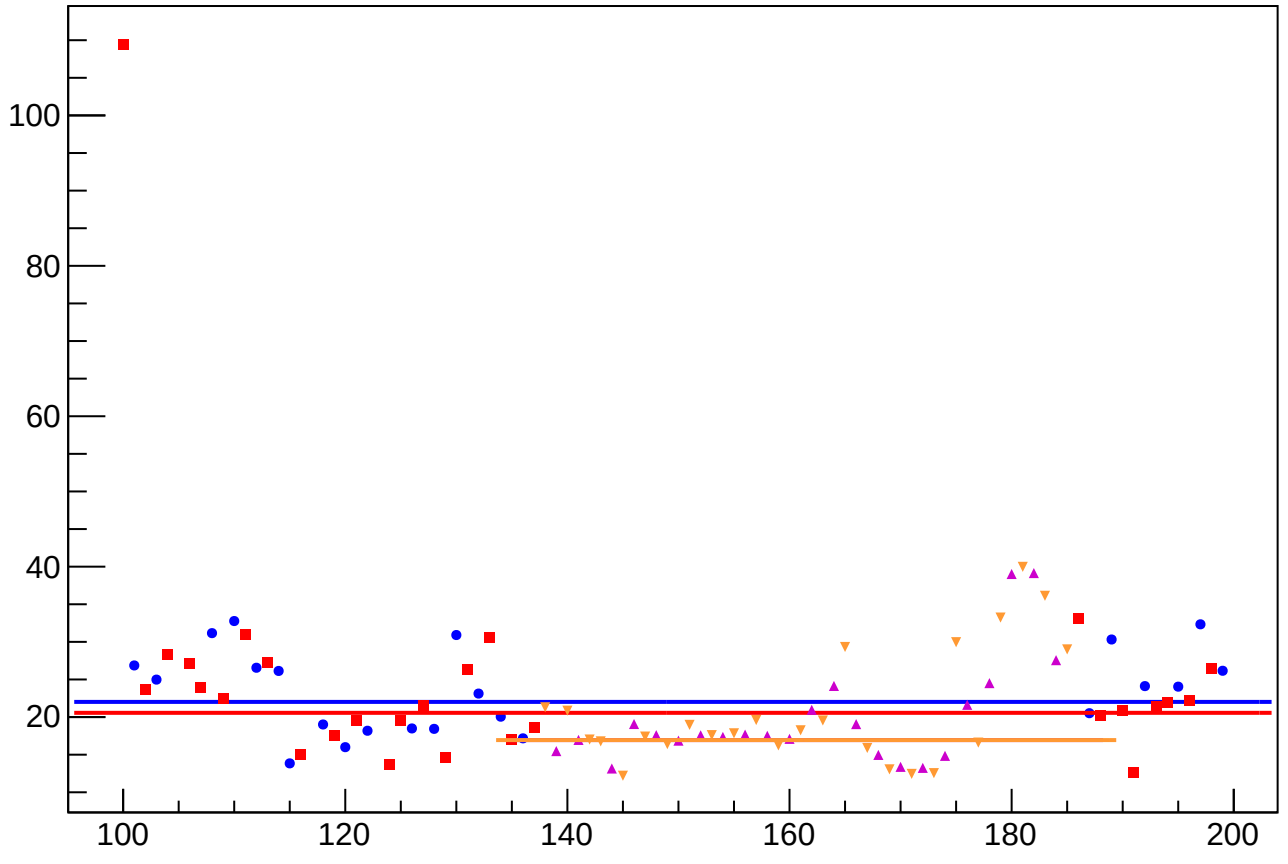
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 39.3/46

All: 0.005+/-0.002 χ^2/NDF: 94.6/96

- sign 0.007+/-0.003 χ^2/NDF: 54.8/49



Right In: 22.018+/-0.005 χ^2/NDF: 1079027.4/21

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.565+/-0.004 χ^2/NDF: 1267332.1/26

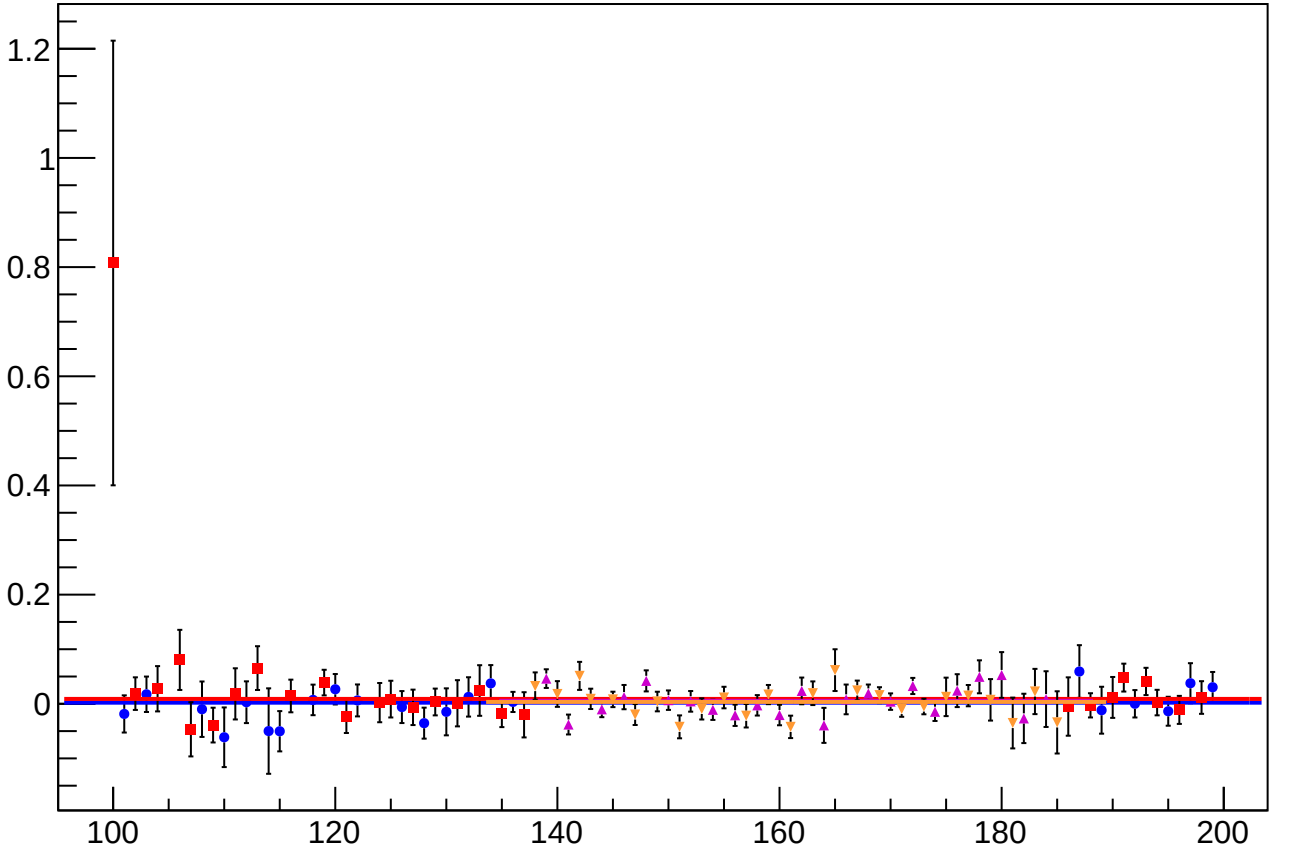
Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 18.278+/-0.002 χ^2/NDF: 4728837.9/46

All: 18.188+/-0.002 χ^2/NDF: 8418378.7/96

\- 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: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

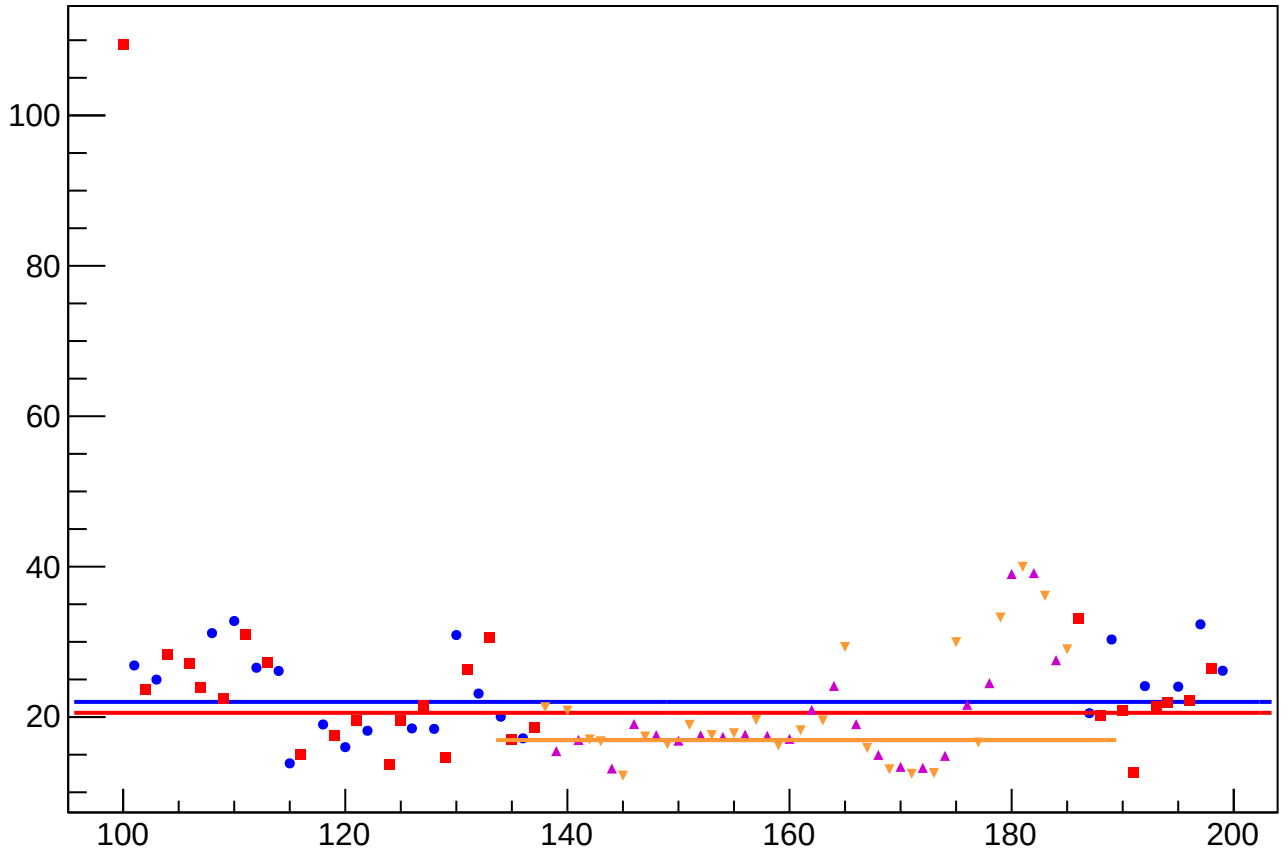
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 39.3/46

All: 0.005+/-0.002 χ^2/NDF: 94.6/96

- sign 0.007+/-0.003 χ^2/NDF: 54.8/49



Right In: 22.018+/-0.005 χ^2/NDF: 1079027.4/21

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

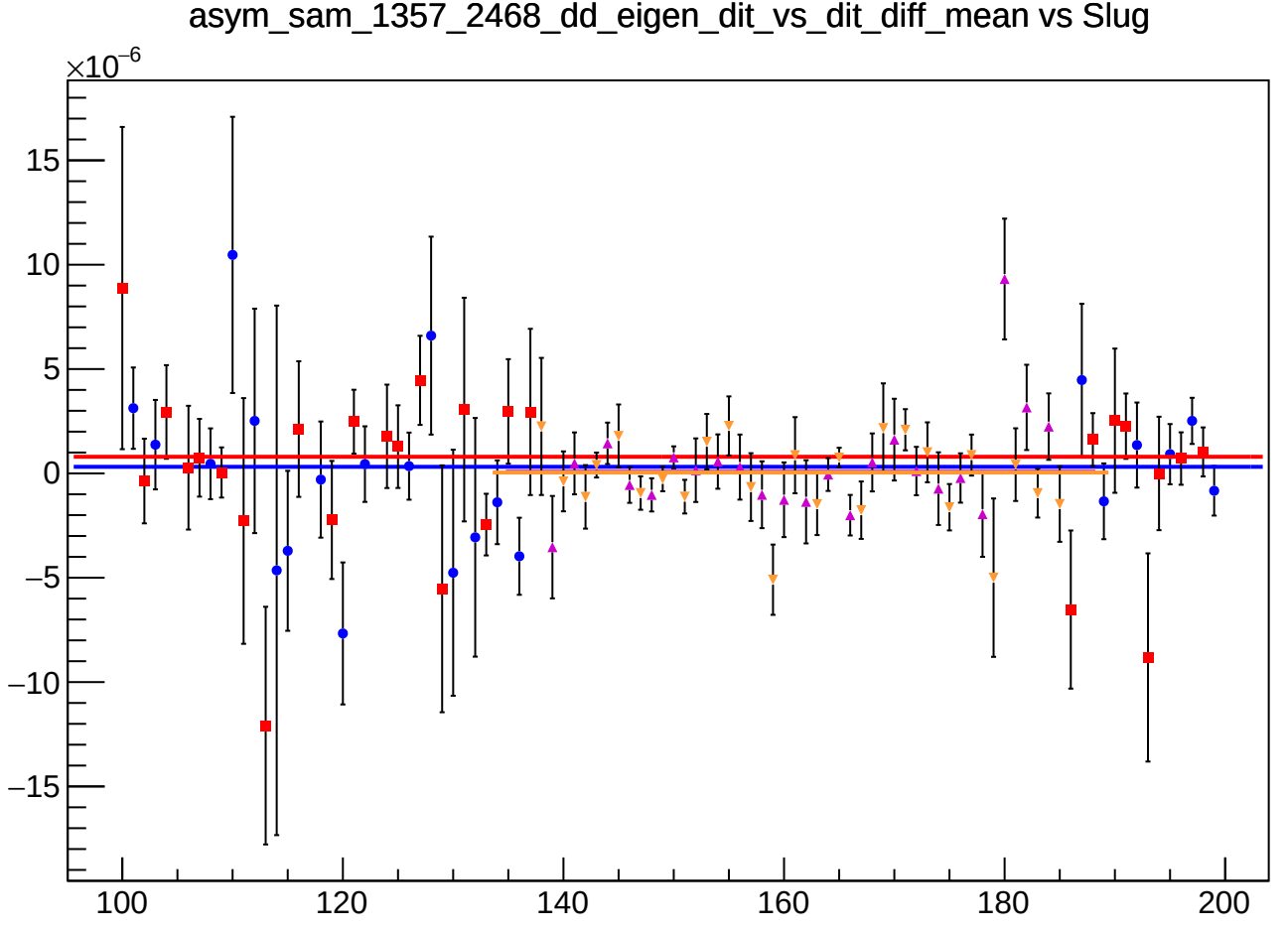
Right Out: 20.565+/-0.004 χ^2/NDF: 1267332.1/26

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 18.278+/-0.002 χ^2/NDF: 4728837.9/46

All: 18.188+/-0.002 χ^2/NDF: 8418378.7/96

\- sign 18.101+/-0.002 χ^2/NDF: 3686979.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

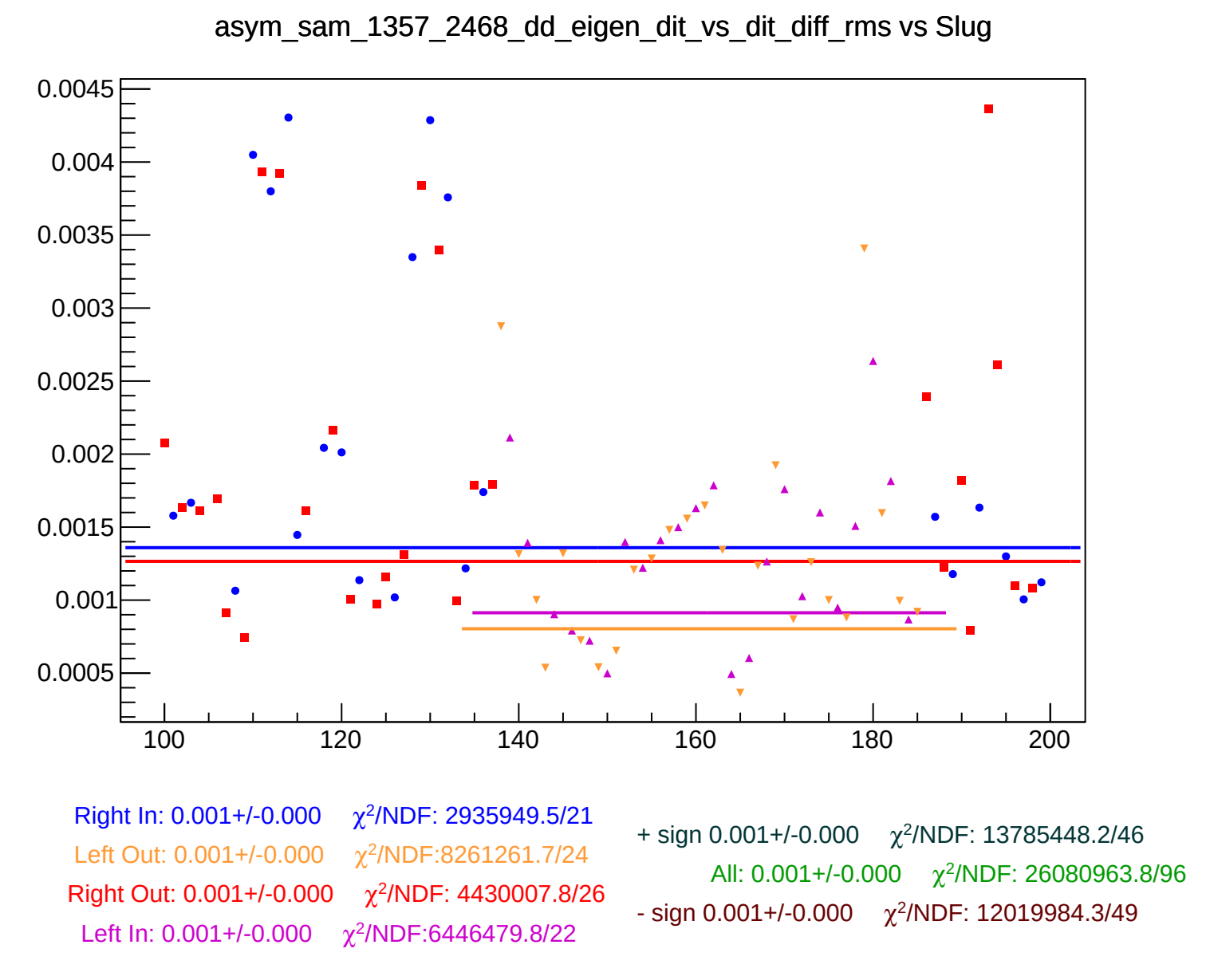
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/26

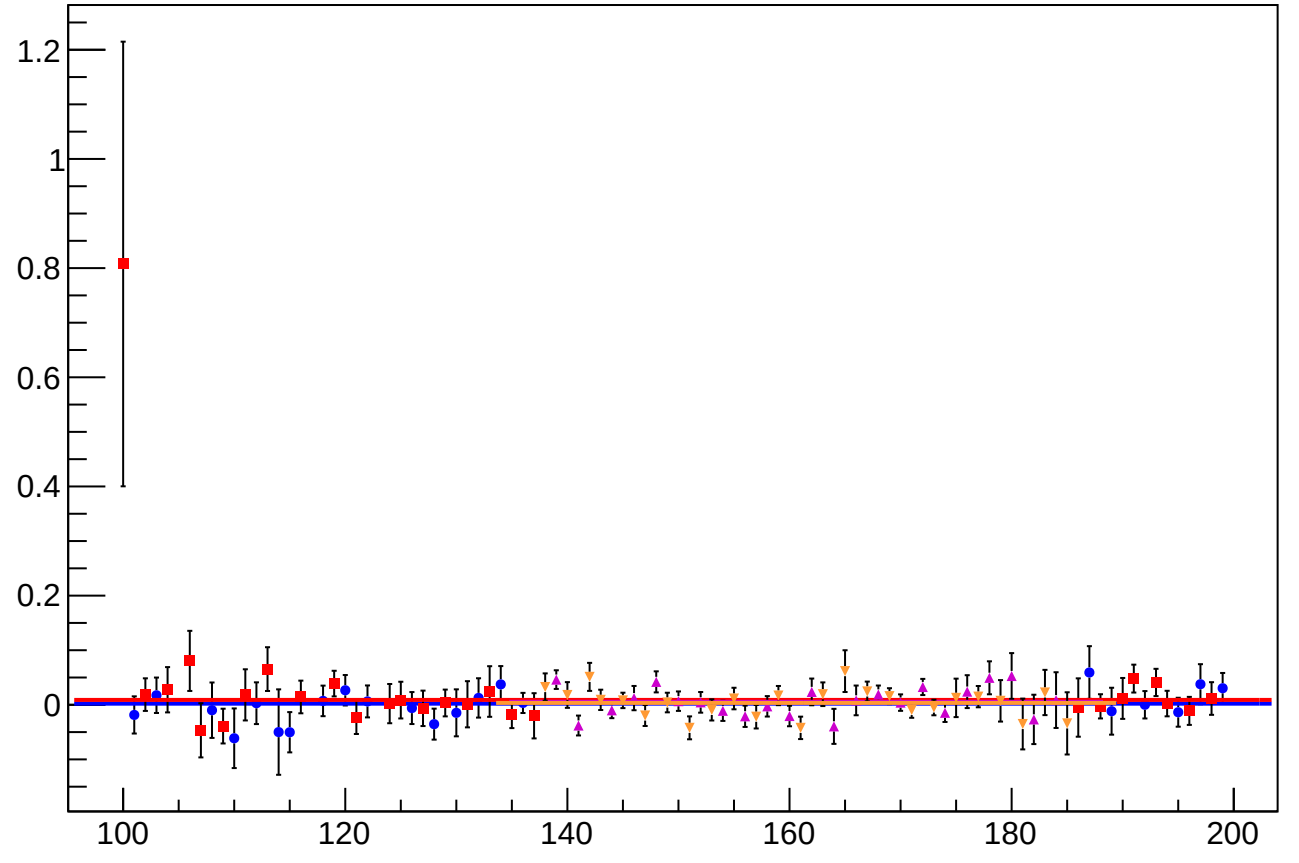
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.6/46

All: 0.000+/-0.000 χ^2/NDF: 129.5/96

- 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: 2935949.5/21
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: 13785448.2/46
All: 0.001+/-0.000 χ²/NDF: 26080963.8/96
- sign 0.001+/-0.000 χ²/NDF: 12019984.3/49



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

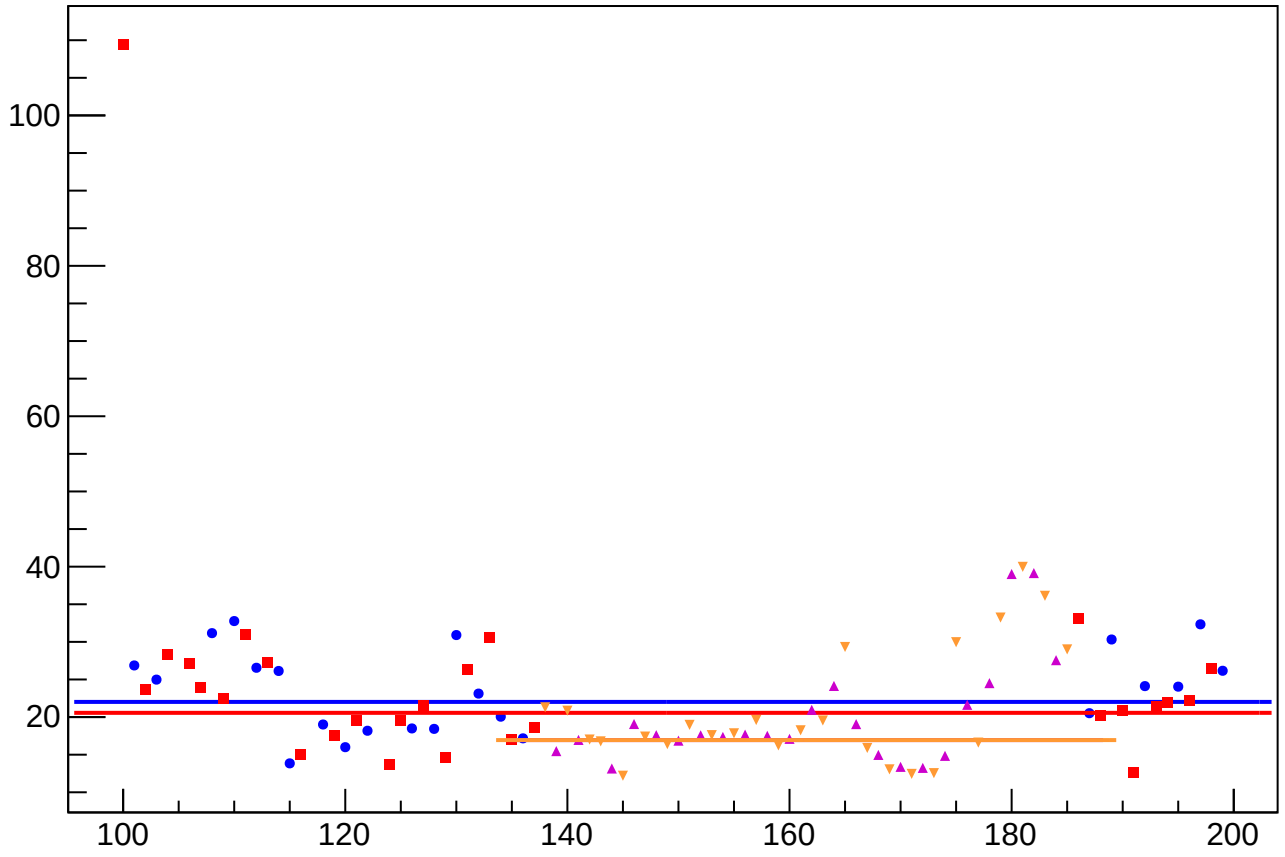
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 39.3/46

All: 0.005+/-0.002 χ^2/NDF: 94.6/96

- sign 0.007+/-0.003 χ^2/NDF: 54.8/49



Right In: 22.018+/-0.005 χ^2/NDF: 1078985.8/21

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.564+/-0.004 χ^2/NDF: 1267354.9/26

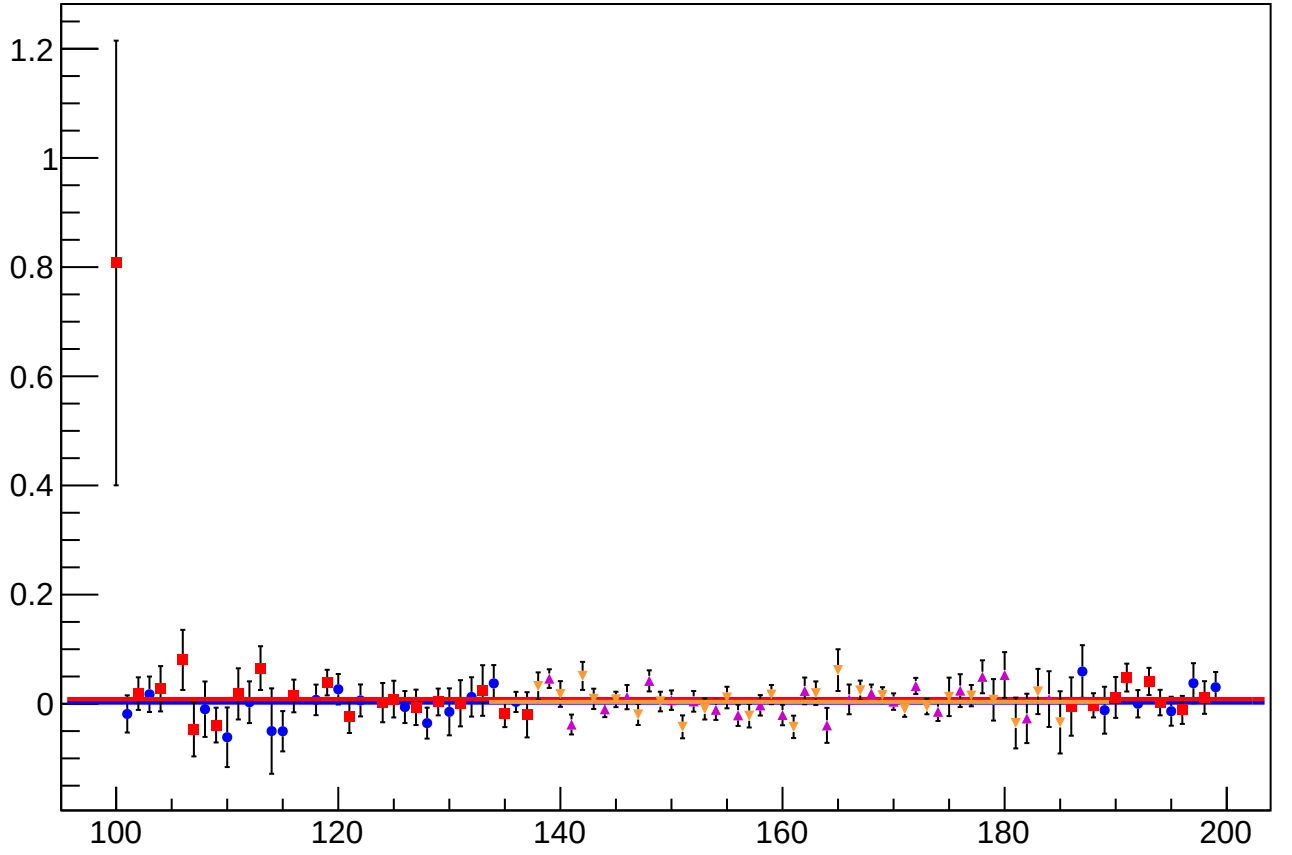
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 18.278+/-0.002 χ^2/NDF: 4728610.2/46

All: 18.188+/-0.002 χ^2/NDF: 8418038.7/96

\- 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: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

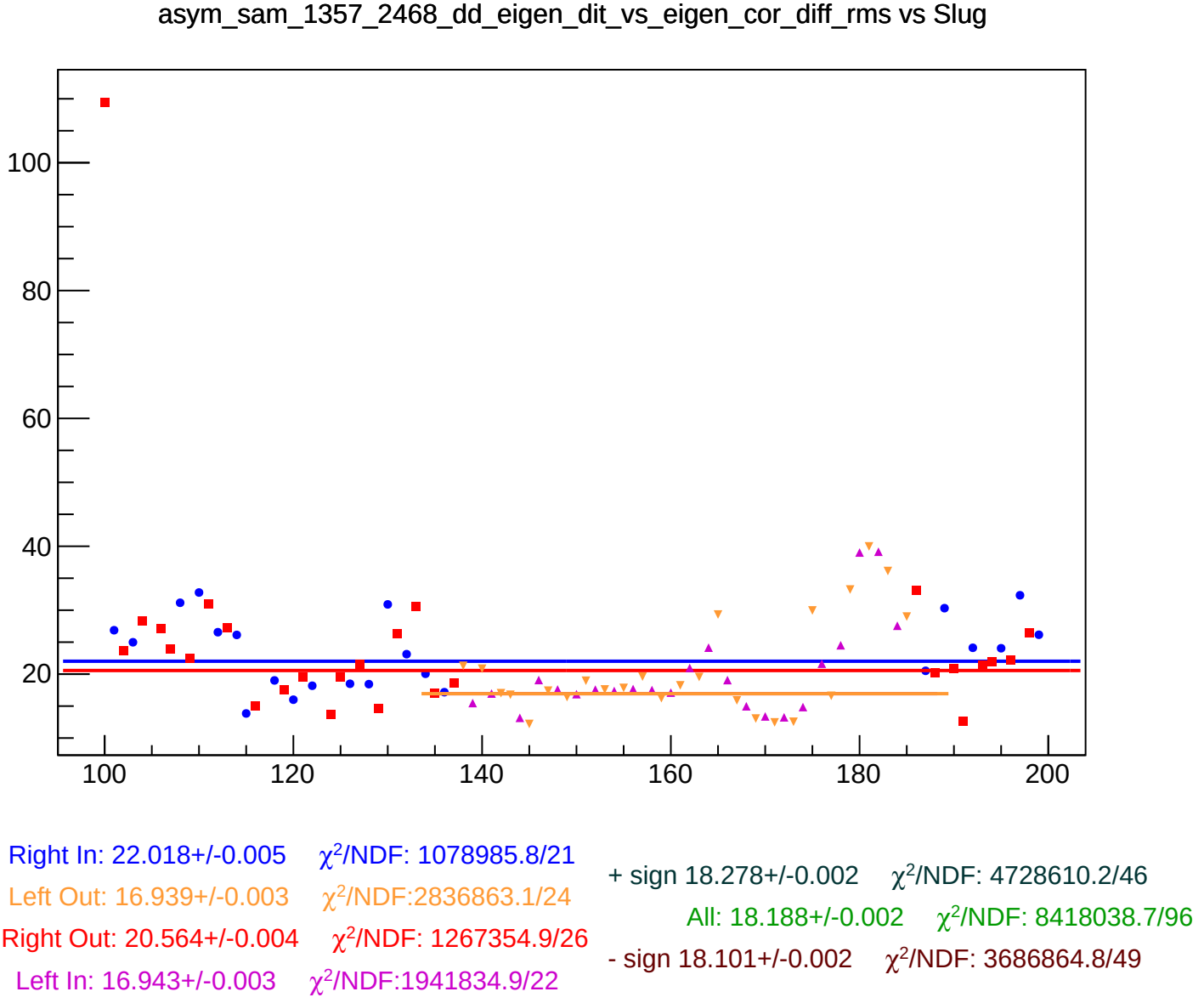
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/26

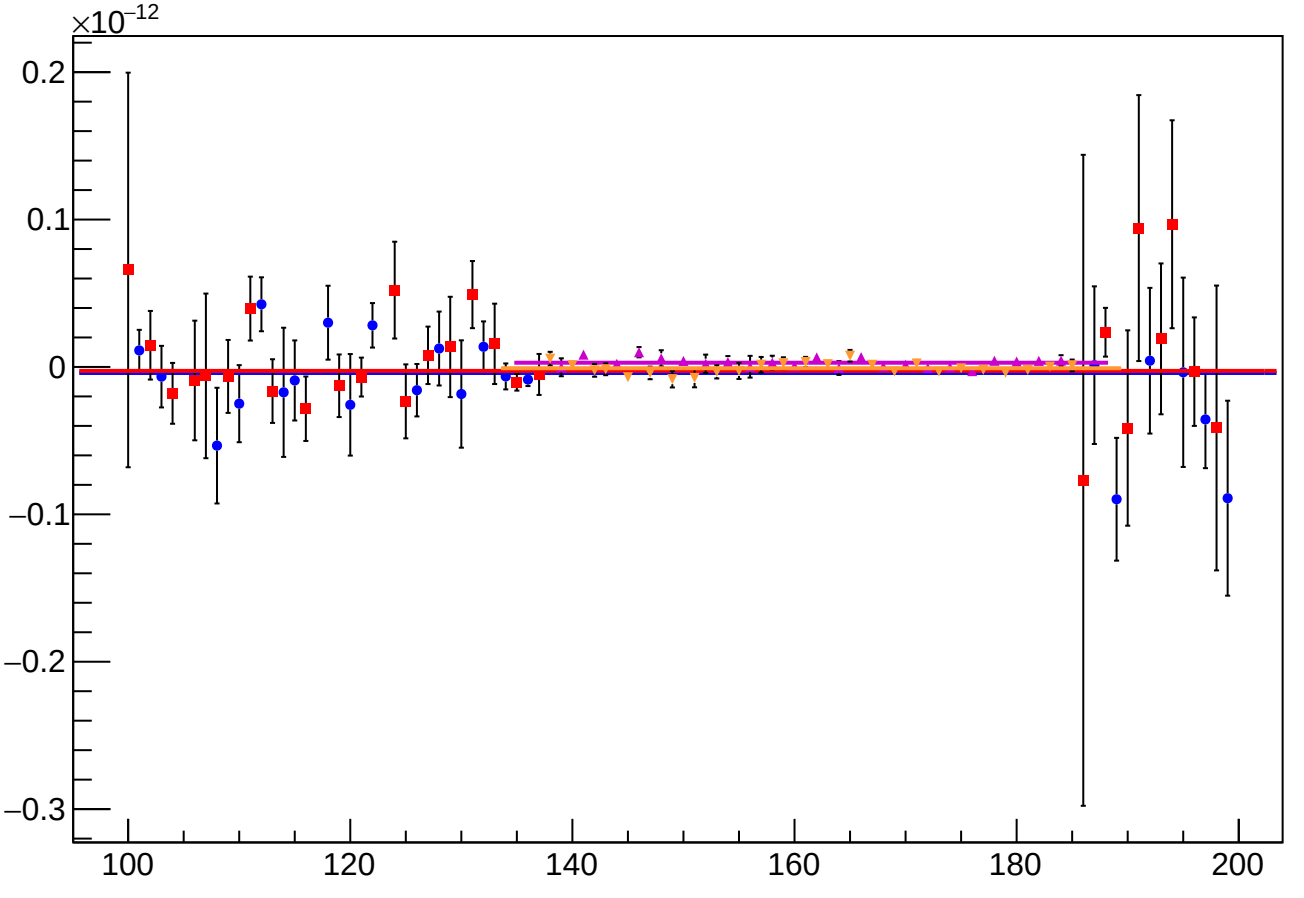
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 39.3/46

All: 0.005+/-0.002 χ^2/NDF: 94.6/96

- 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
80
60
40
20
100
120
140
160
180
200
Right In: 22.018+/-0.005 χ²/NDF: 1078985.8/21
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 18.278+/-0.002 χ²/NDF: 4728610.2/46
All: 18.188+/-0.002 χ²/NDF: 8418038.7/96
- sign 18.101+/-0.002 χ²/NDF: 3686864.8/49



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

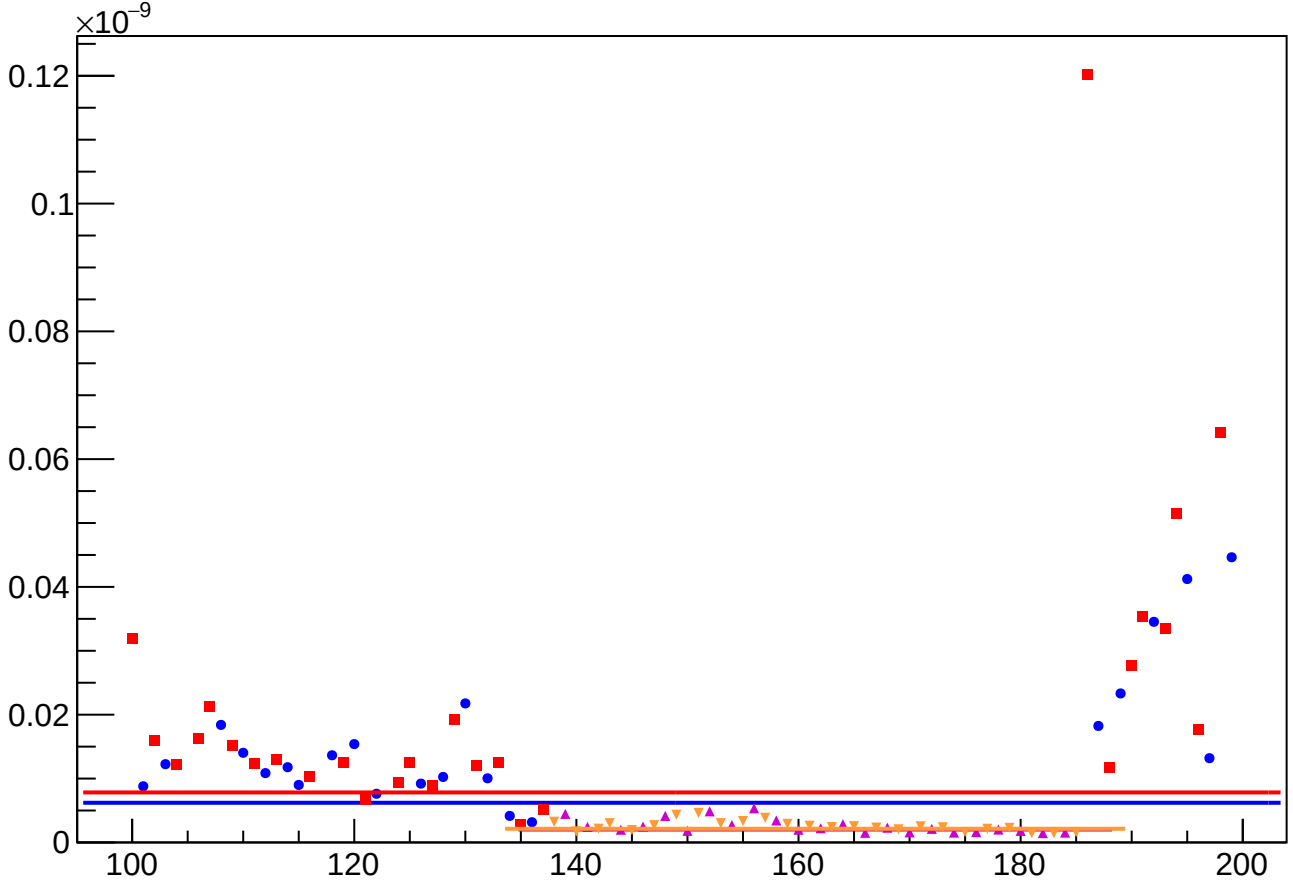
Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/26

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.5/46

All: 0.000+/-0.000 χ^2/NDF: 119.5/96

- sign 0.000+/-0.000 χ^2/NDF: 50.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 5211737.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6288224.7/26

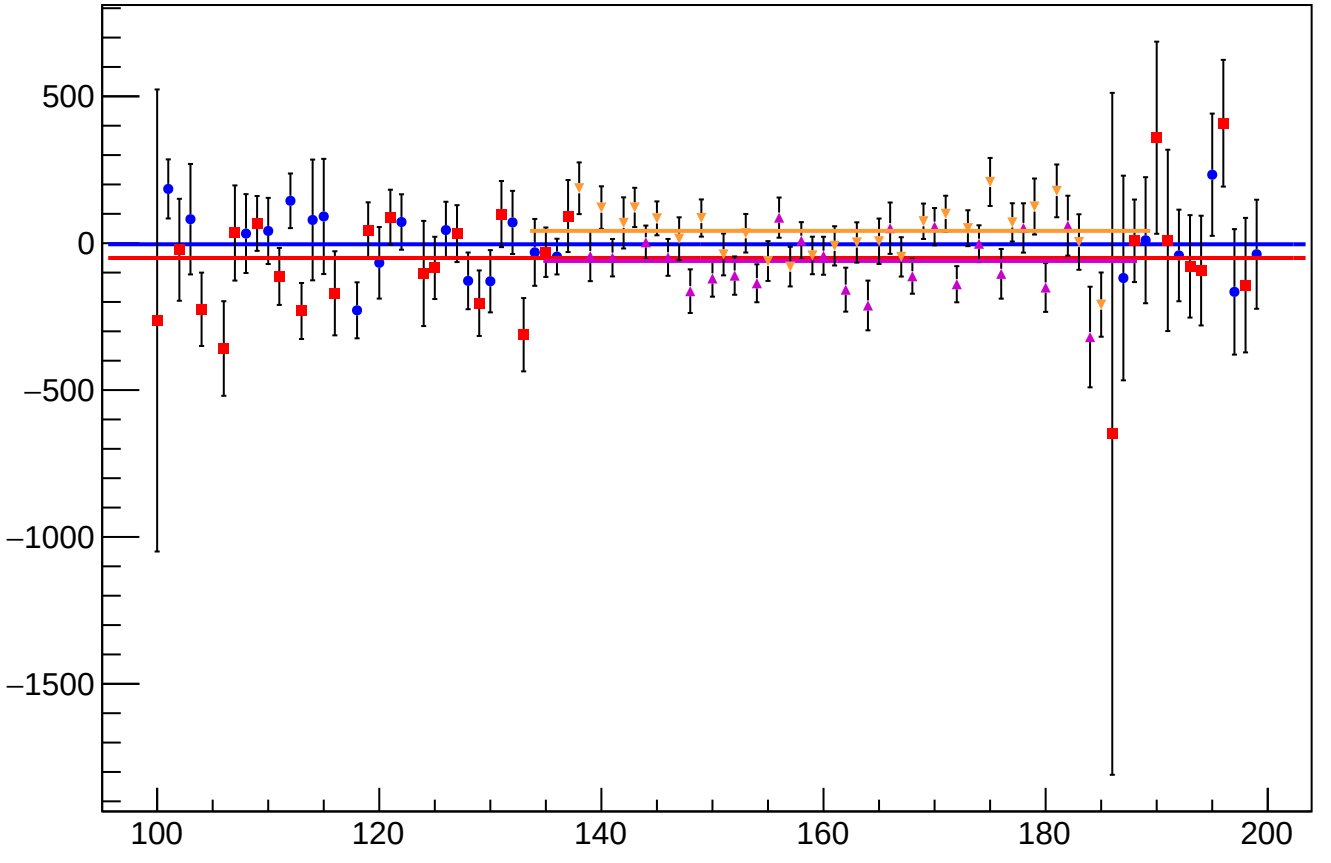
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10483362.1/46

All: 0.000+/-0.000 χ^2/NDF: 23926905.4/96

- sign 0.000+/-0.000 χ^2/NDF: 13410186.0/49

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -3.645+/-24.996 χ^2/NDF: 19.8/21

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -50.360+/-24.921 χ^2/NDF: 32.6/26

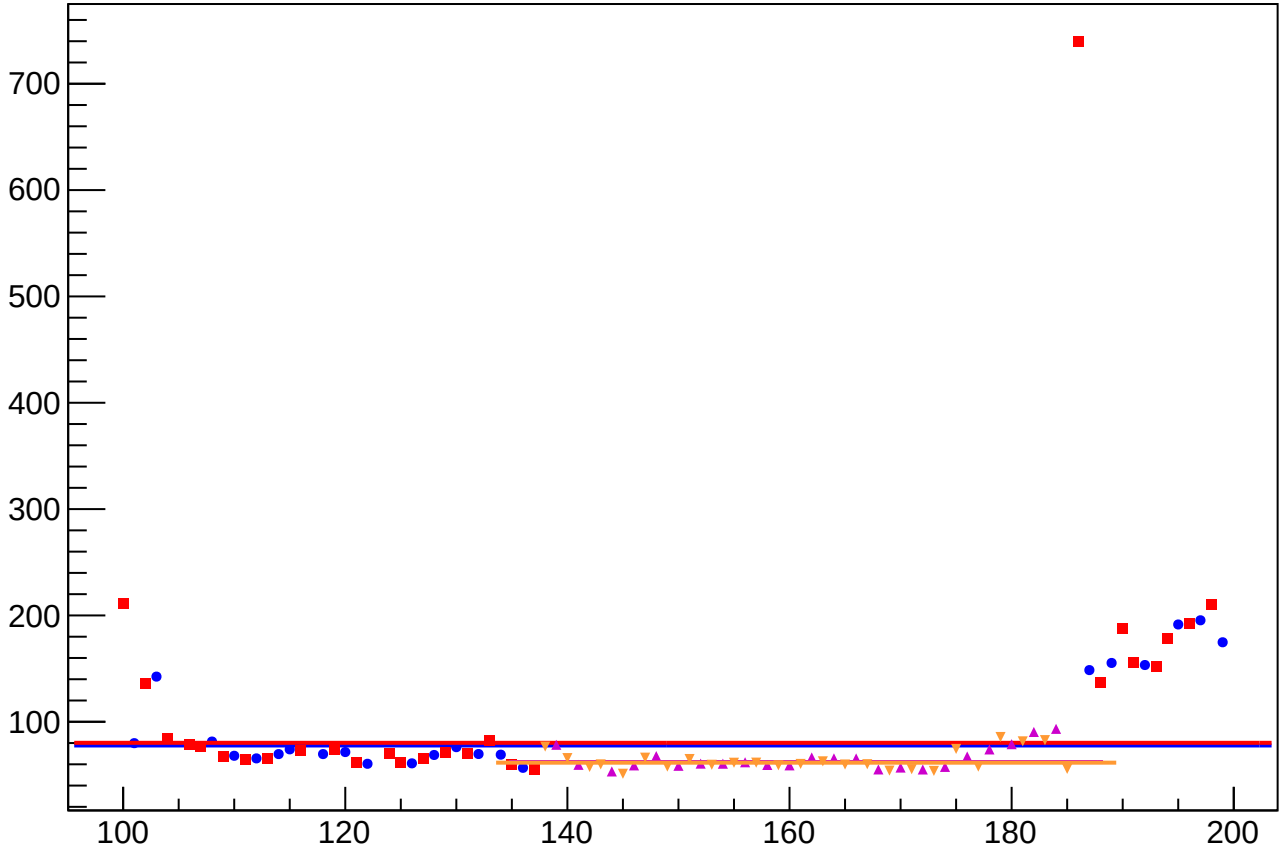
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 30.895+/-12.334 χ^2/NDF: 54.3/46

All: -12.255+/-8.838 χ^2/NDF: 144.4/96

- sign -57.787+/-12.670 χ^2/NDF: 65.0/49

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 77.711+/-0.018 χ^2/NDF: 3286540.9/21

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

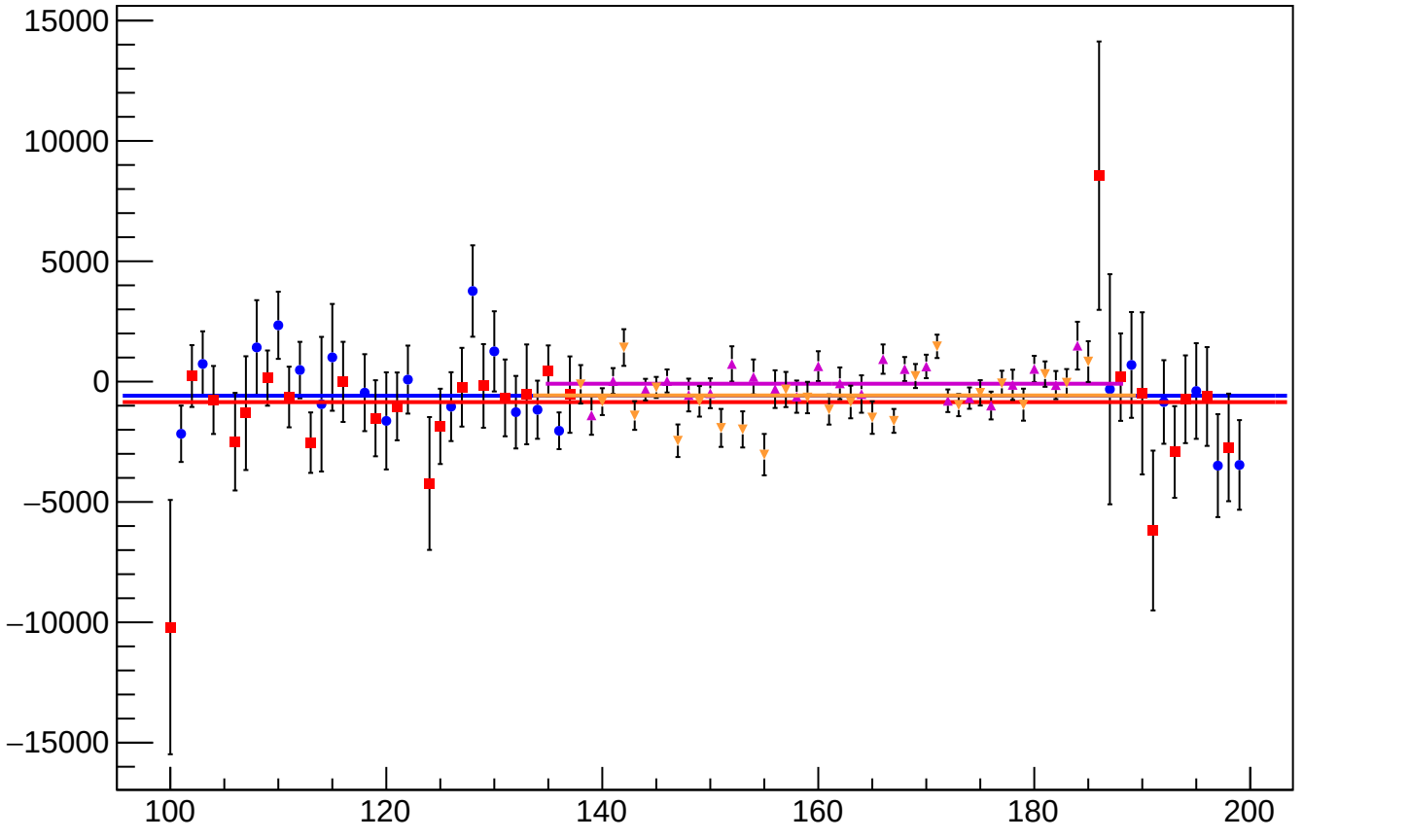
Right Out: 80.214+/-0.018 χ^2/NDF: 4225111.8/26

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 65.480+/-0.009 χ^2/NDF: 4557265.0/46

All: 66.130+/-0.006 χ^2/NDF: 10170169.7/96

- sign 66.815+/-0.009 χ^2/NDF: 5601512.3/49



Right In: -586.493+/-323.444 χ^2/NDF: 25.3/21

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: -851.655+/-323.564 χ^2/NDF: 19.1/26

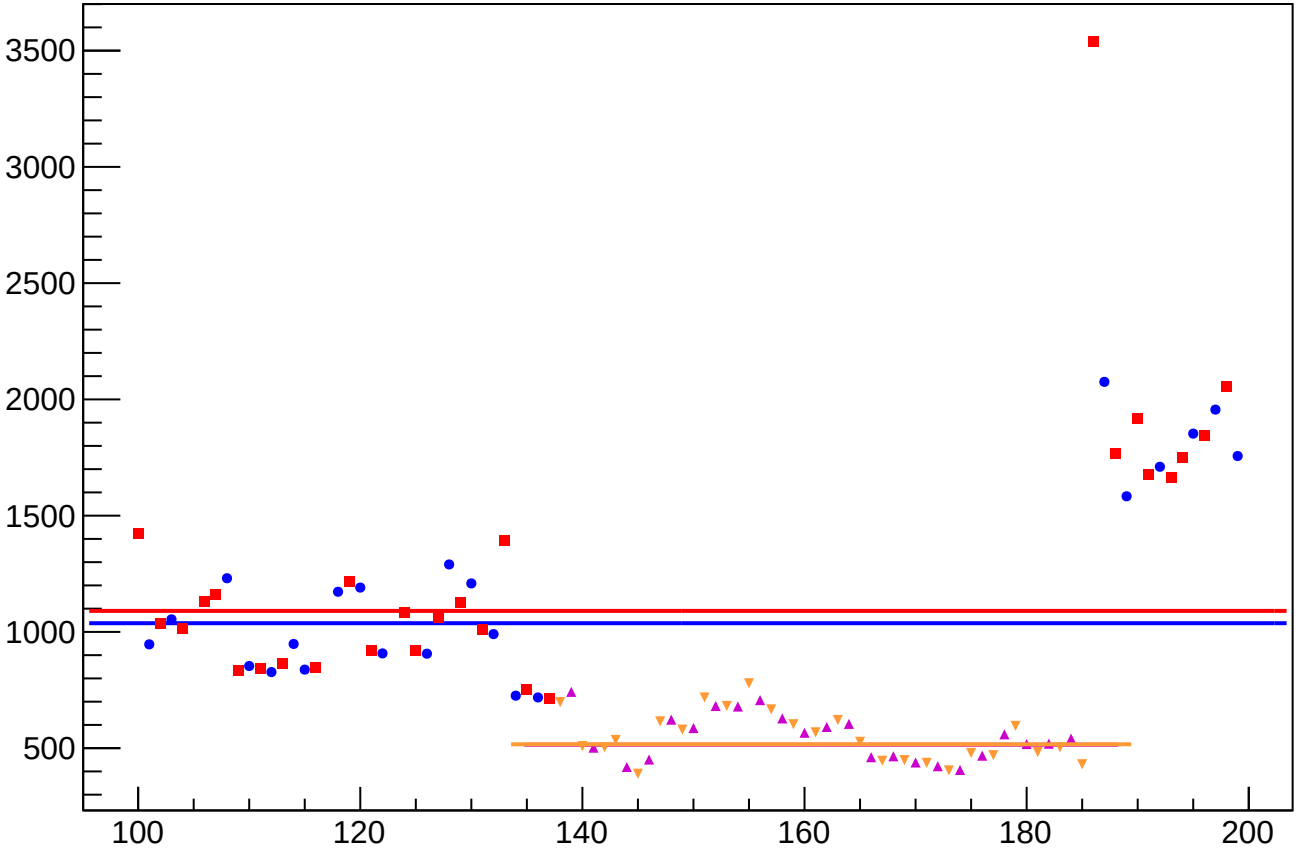
Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -576.225+/-112.289 χ^2/NDF: 94.1/46

All: -384.044+/-80.190 χ^2/NDF: 148.6/96

- sign -184.017+/-114.558 χ^2/NDF: 48.5/49

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 1037.466+/-0.229 χ^2/NDF: 2273231.3/21

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1090.418+/-0.229 χ^2/NDF: 2676781.9/26

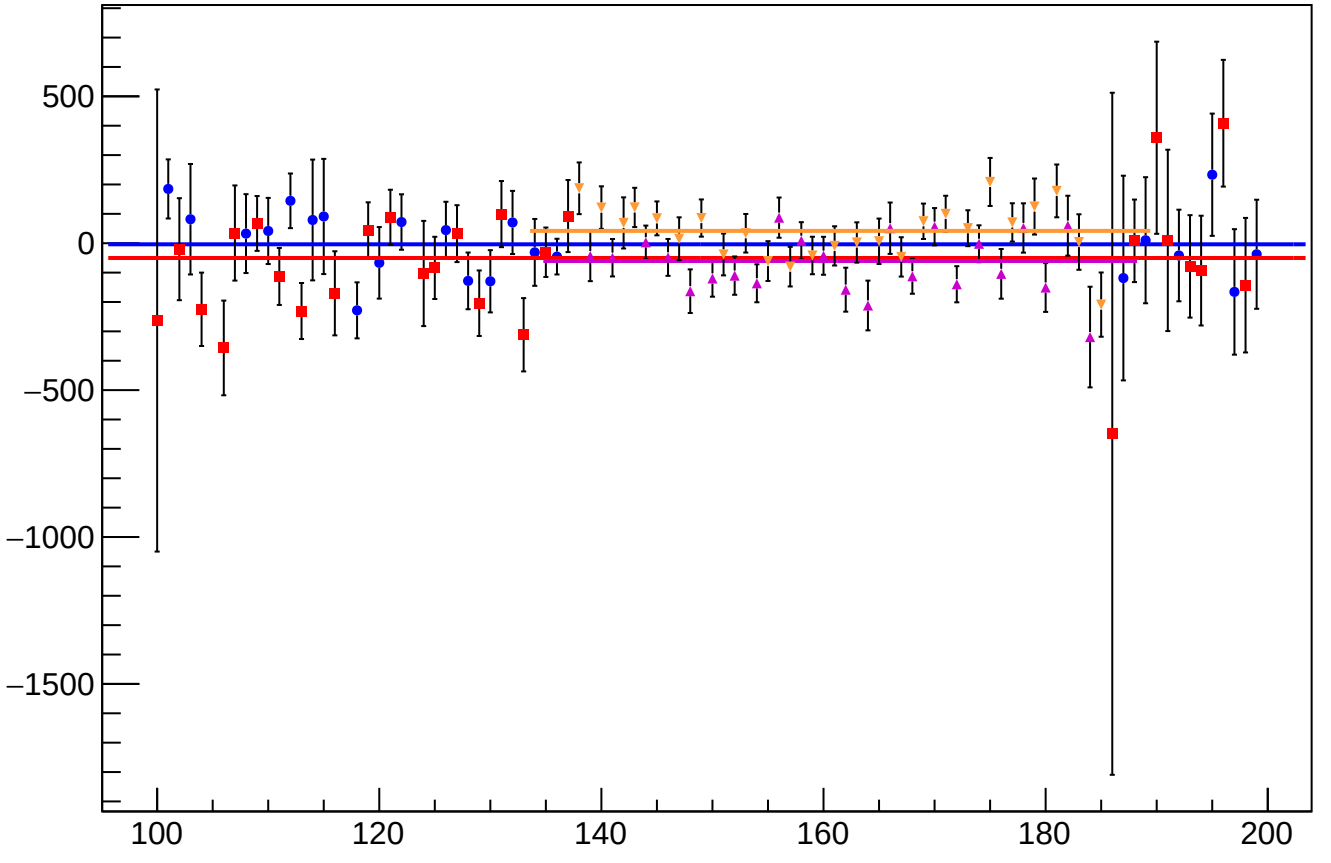
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

\+ sign 579.409+/-0.079 χ^2/NDF: 8099280.3/46

All: 583.098+/-0.057 χ^2/NDF: 17437469.3/96

\- sign 586.938+/-0.081 χ^2/NDF: 9333782.4/49

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.652+/-24.996 χ^2/NDF: 19.8/21

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -50.249+/-24.922 χ^2/NDF: 32.6/26

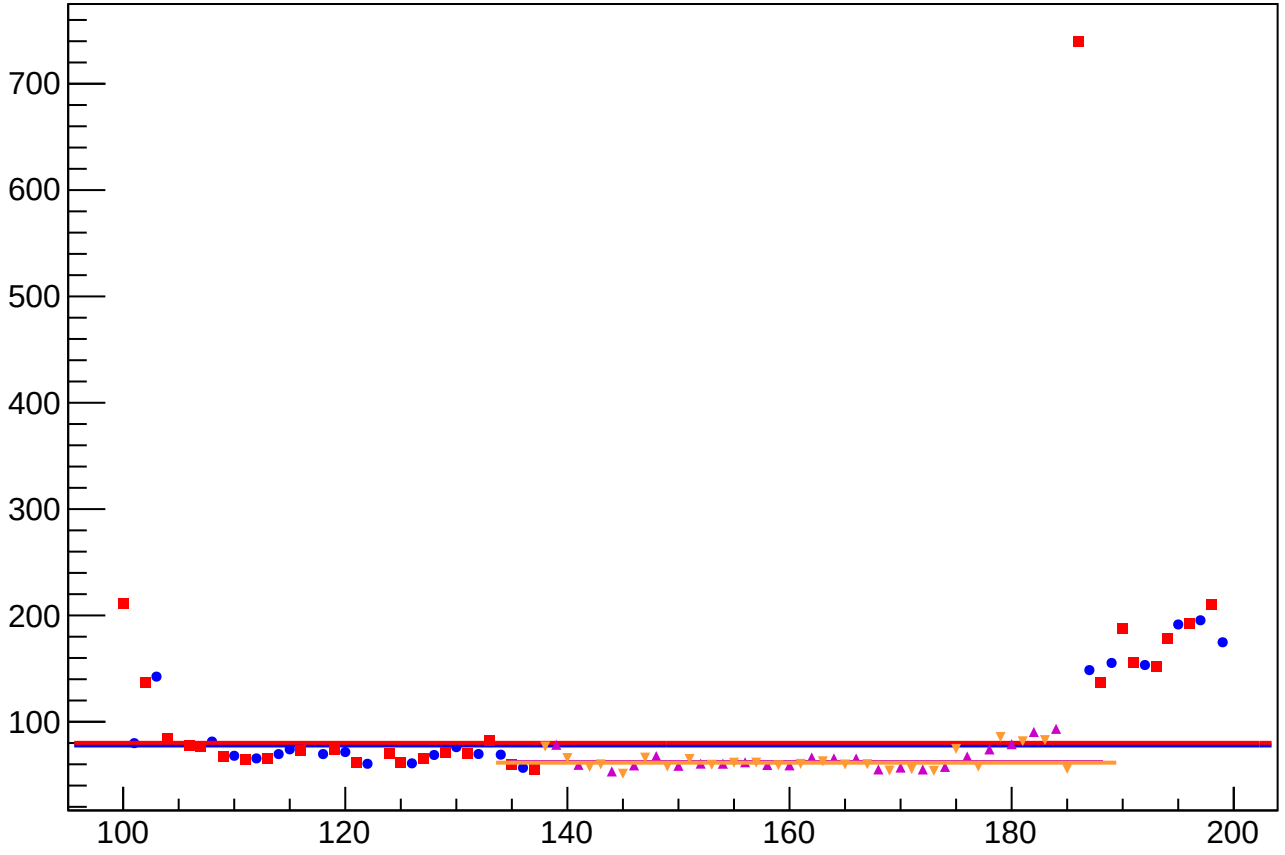
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 30.897+/-12.334 χ^2/NDF: 54.3/46

All: -12.240+/-8.838 χ^2/NDF: 144.4/96

- sign -57.759+/-12.670 χ^2/NDF: 64.9/49

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 77.711+/-0.018 χ^2/NDF: 3286544.0/21

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 80.197+/-0.018 χ^2/NDF: 4225643.3/26

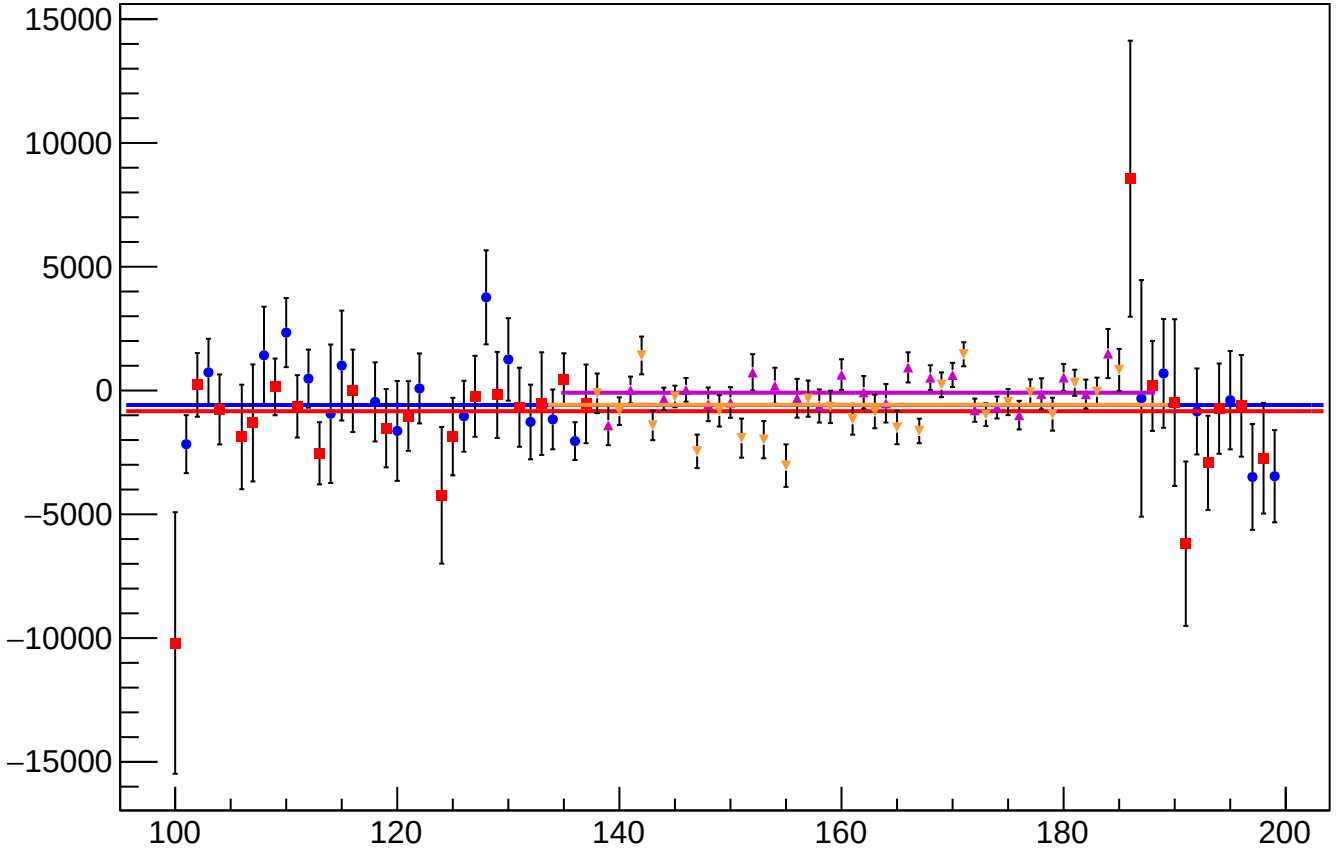
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

\+ sign 65.480+/-0.009 χ^2/NDF: 4557268.1/46

All: 66.128+/-0.006 χ^2/NDF: 10169169.8/96

\- sign 66.811+/-0.009 χ^2/NDF: 5600586.0/49

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -586.469+/-323.445 χ^2/NDF: 25.3/21

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

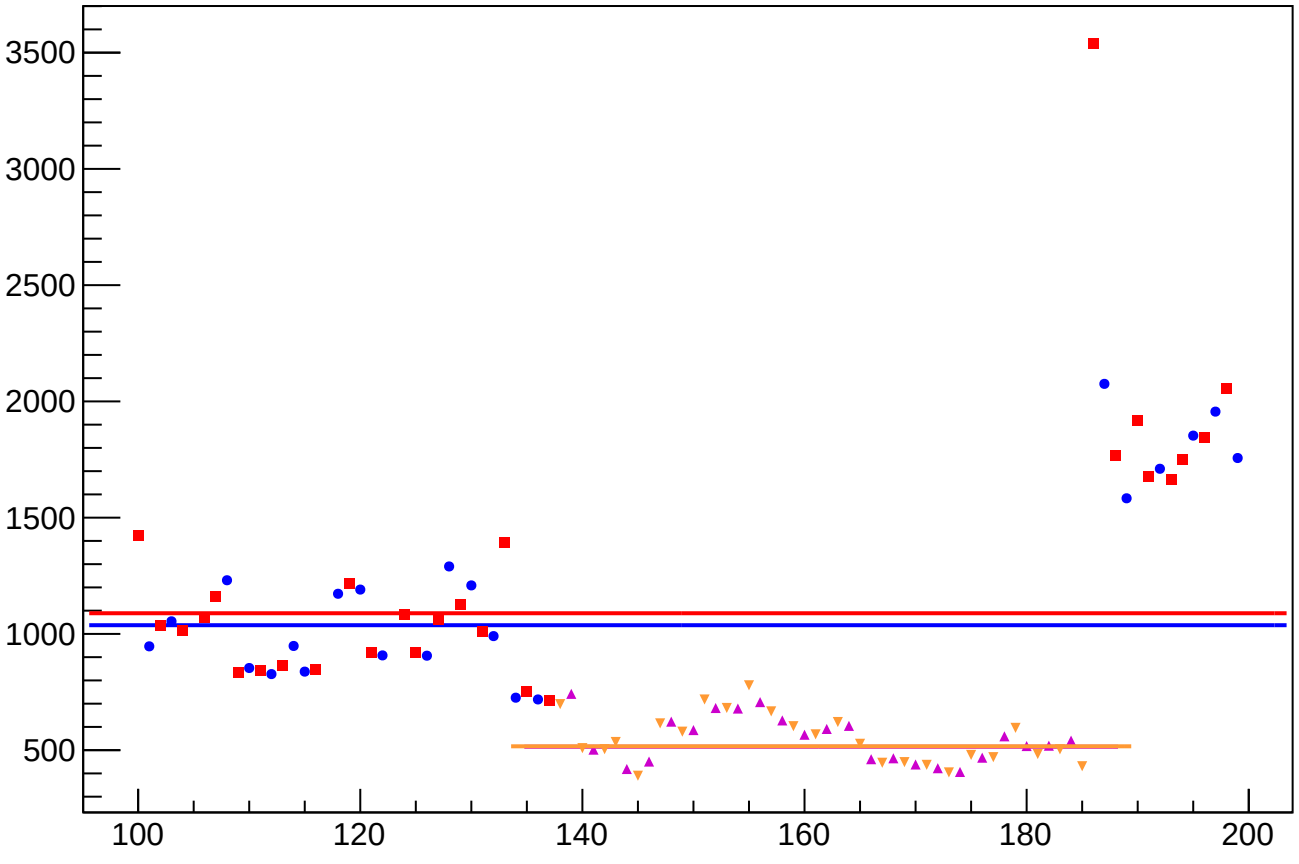
Right Out: -834.242+/-323.900 χ^2/NDF: 18.6/26

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -576.216+/-112.289 χ^2/NDF: 94.1/46

All: -382.912+/-80.196 χ^2/NDF: 148.0/96

\- sign -181.665+/-114.573 χ^2/NDF: 47.9/49



Right In: 1037.470+/-0.229 χ^2/NDF: 2273236.6/21

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

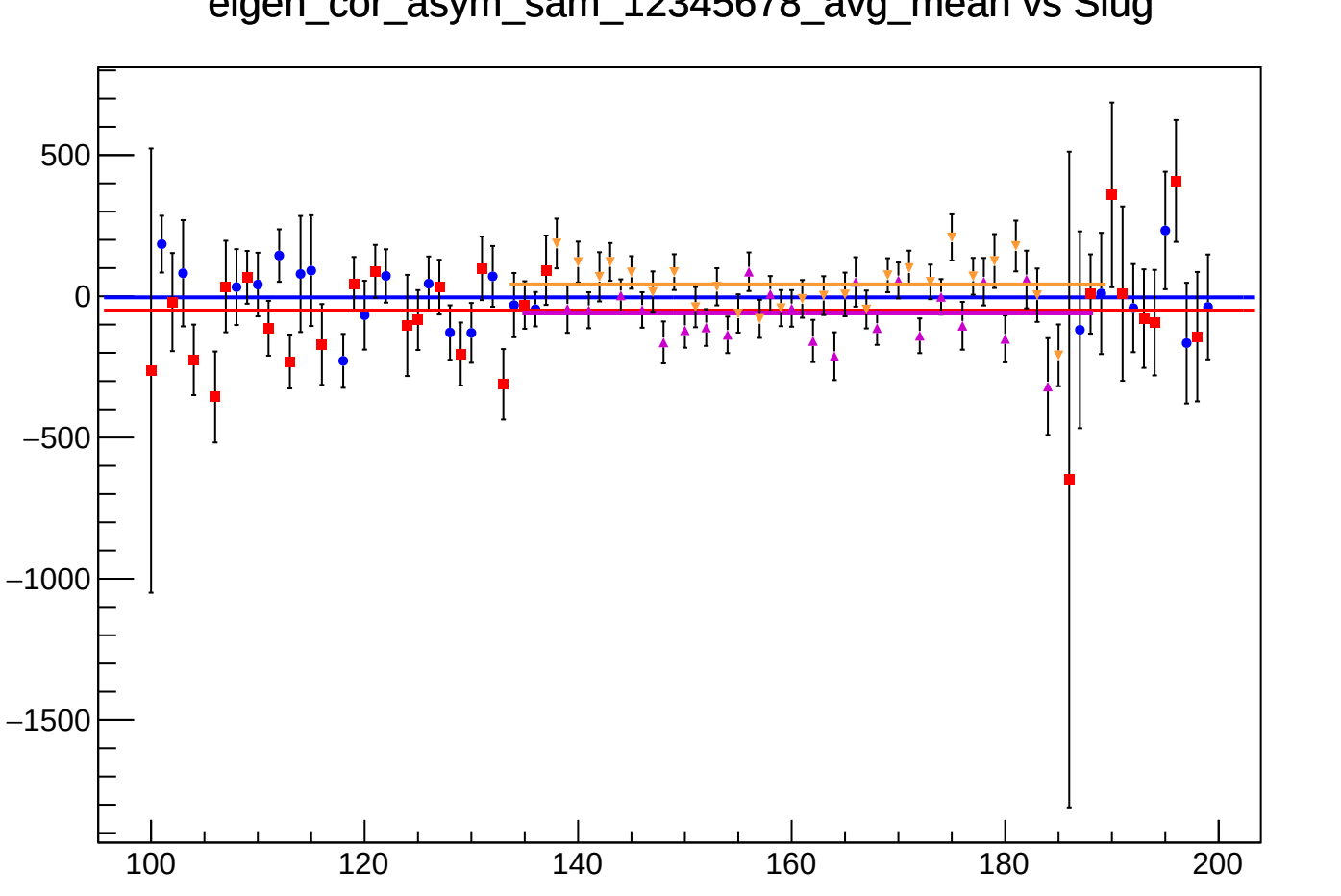
Right Out: 1088.914+/-0.229 χ^2/NDF: 2675985.0/26

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 579.408+/-0.079 χ^2/NDF: 8099330.7/46

All: 582.941+/-0.057 χ^2/NDF: 17397481.7/96

- sign 586.619+/-0.081 χ^2/NDF: 9294109.9/49



Right In: -3.652+/-24.996 χ^2/NDF: 19.8/21

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -50.249+/-24.922 χ^2/NDF: 32.6/26

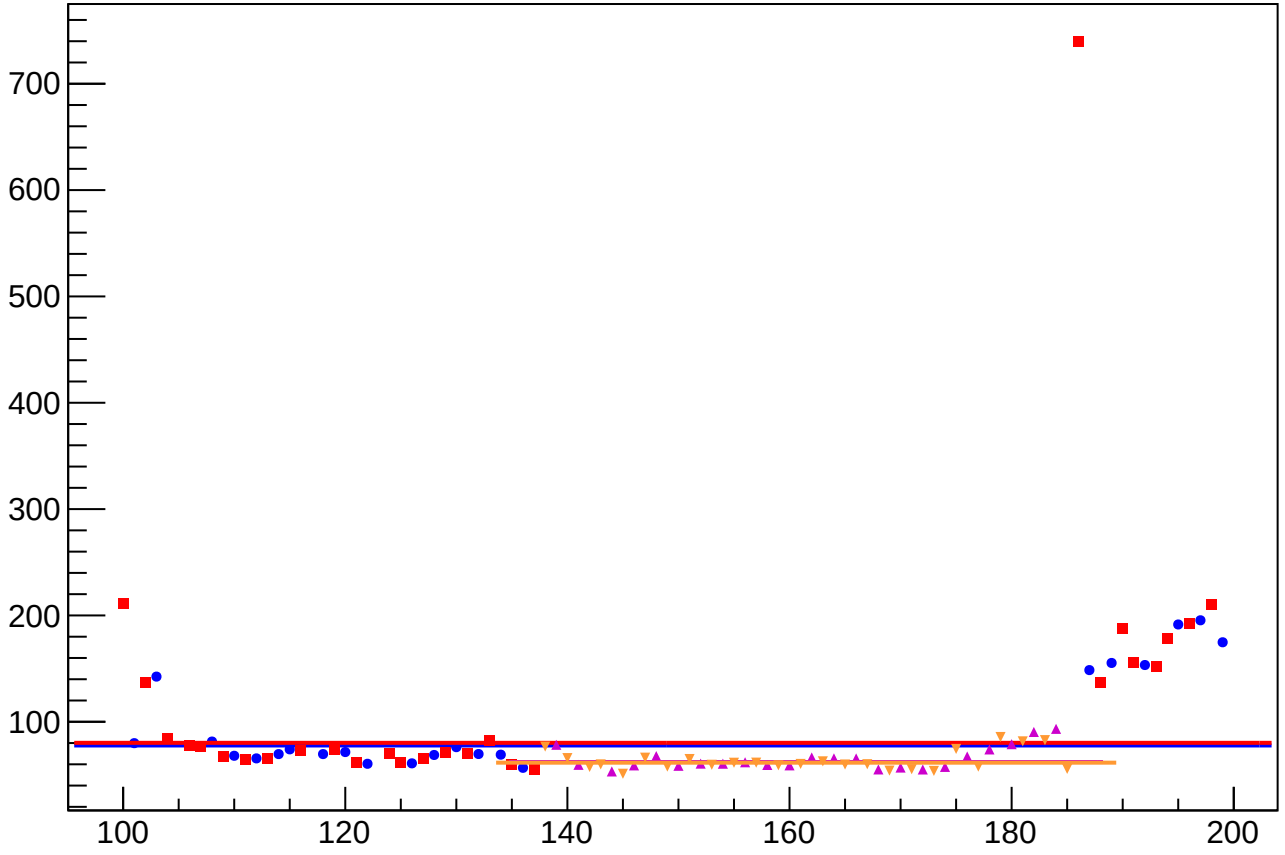
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 30.897+/-12.334 χ^2/NDF: 54.3/46

All: -12.240+/-8.838 χ^2/NDF: 144.4/96

- sign -57.759+/-12.670 χ^2/NDF: 64.9/49

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 77.711+/-0.018 χ^2/NDF: 3286544.0/21

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

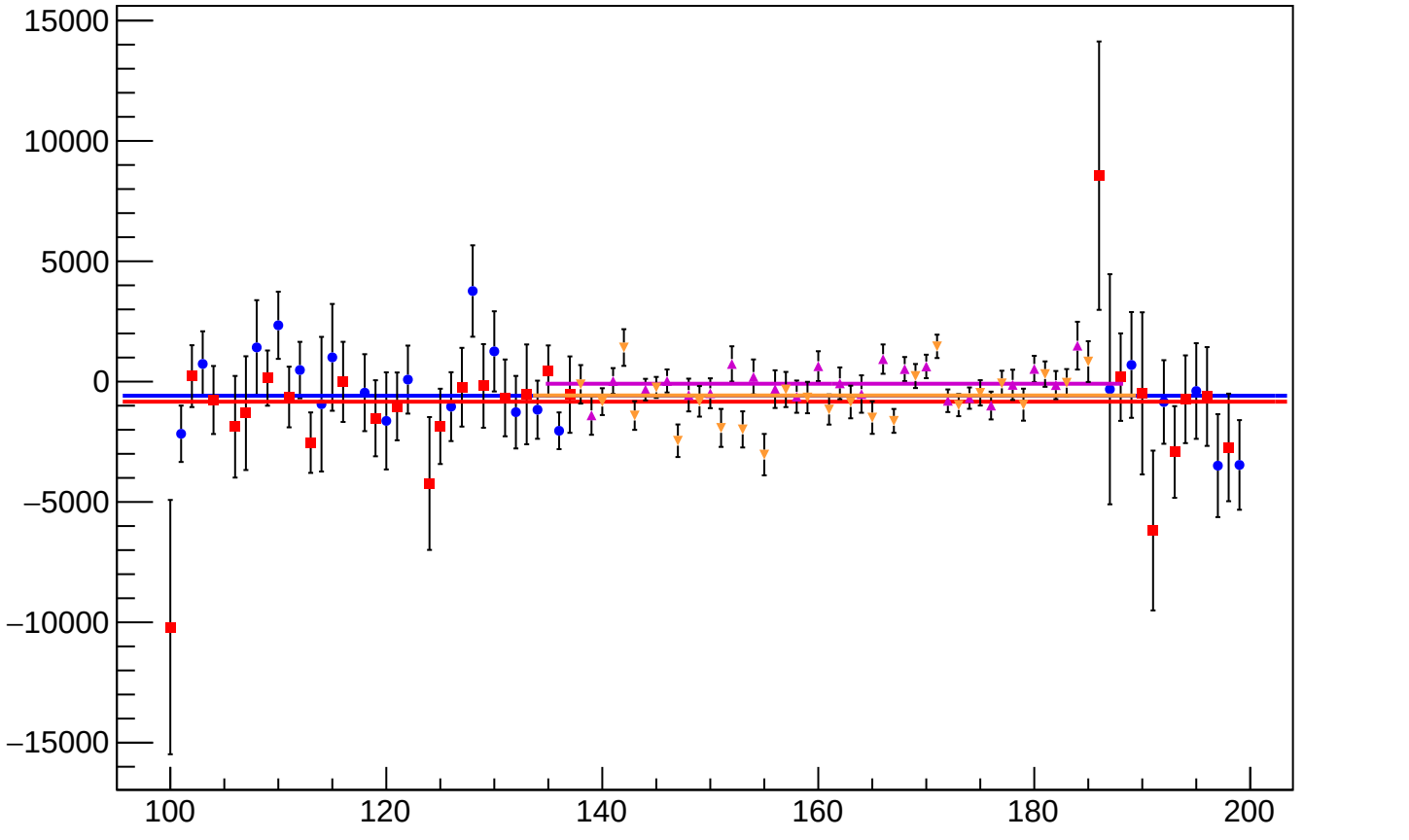
Right Out: 80.197+/-0.018 χ^2/NDF: 4225643.3/26

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 65.480+/-0.009 χ^2/NDF: 4557268.1/46

All: 66.128+/-0.006 χ^2/NDF: 10169169.8/96

- sign 66.811+/-0.009 χ^2/NDF: 5600586.0/49



Right In: -586.469+/-323.445 χ^2/NDF: 25.3/21

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

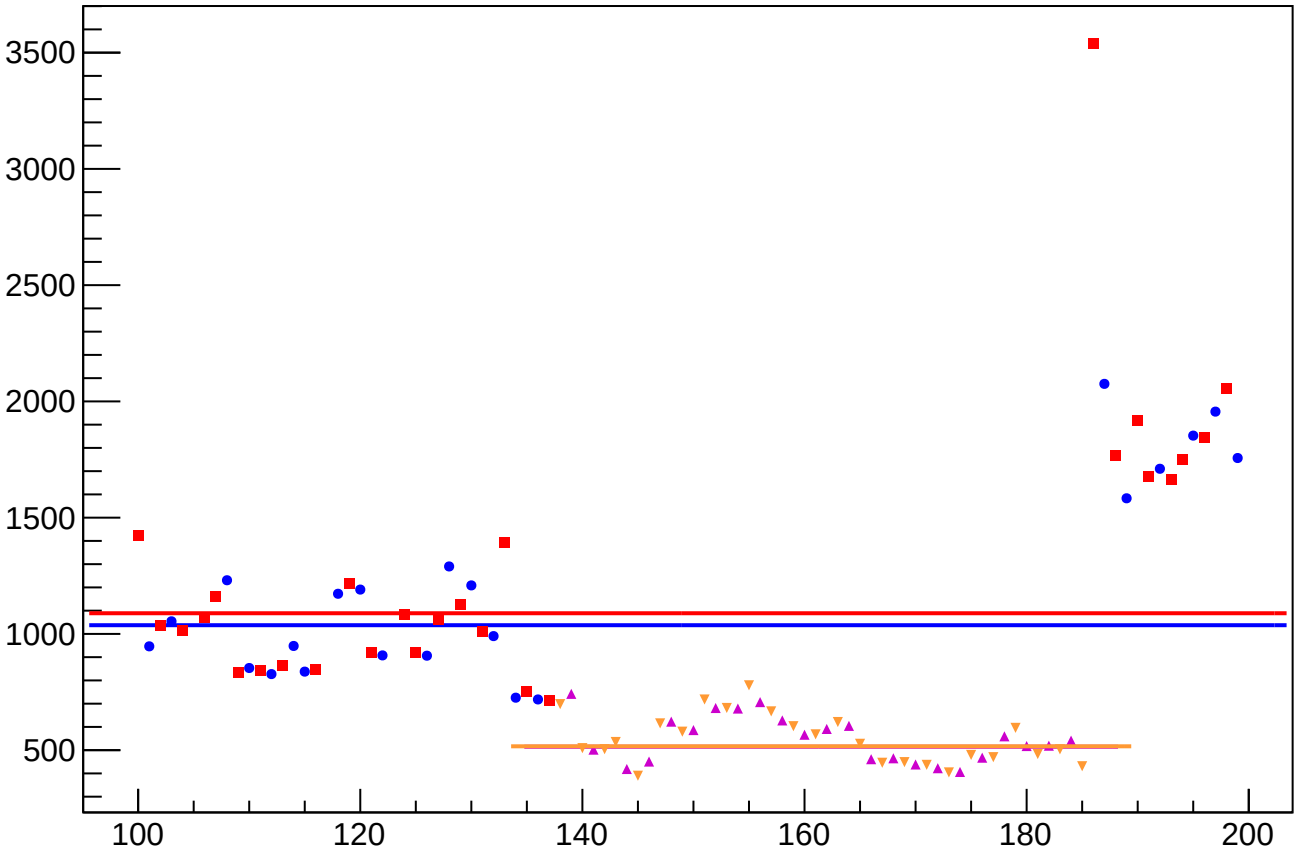
Right Out: -834.242+/-323.900 χ^2/NDF: 18.6/26

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -576.216+/-112.289 χ^2/NDF: 94.1/46

All: -382.912+/-80.196 χ^2/NDF: 148.0/96

\- sign -181.665+/-114.573 χ^2/NDF: 47.9/49



Right In: 1037.470+/-0.229 χ^2/NDF: 2273236.6/21

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1088.914+/-0.229 χ^2/NDF: 2675985.0/26

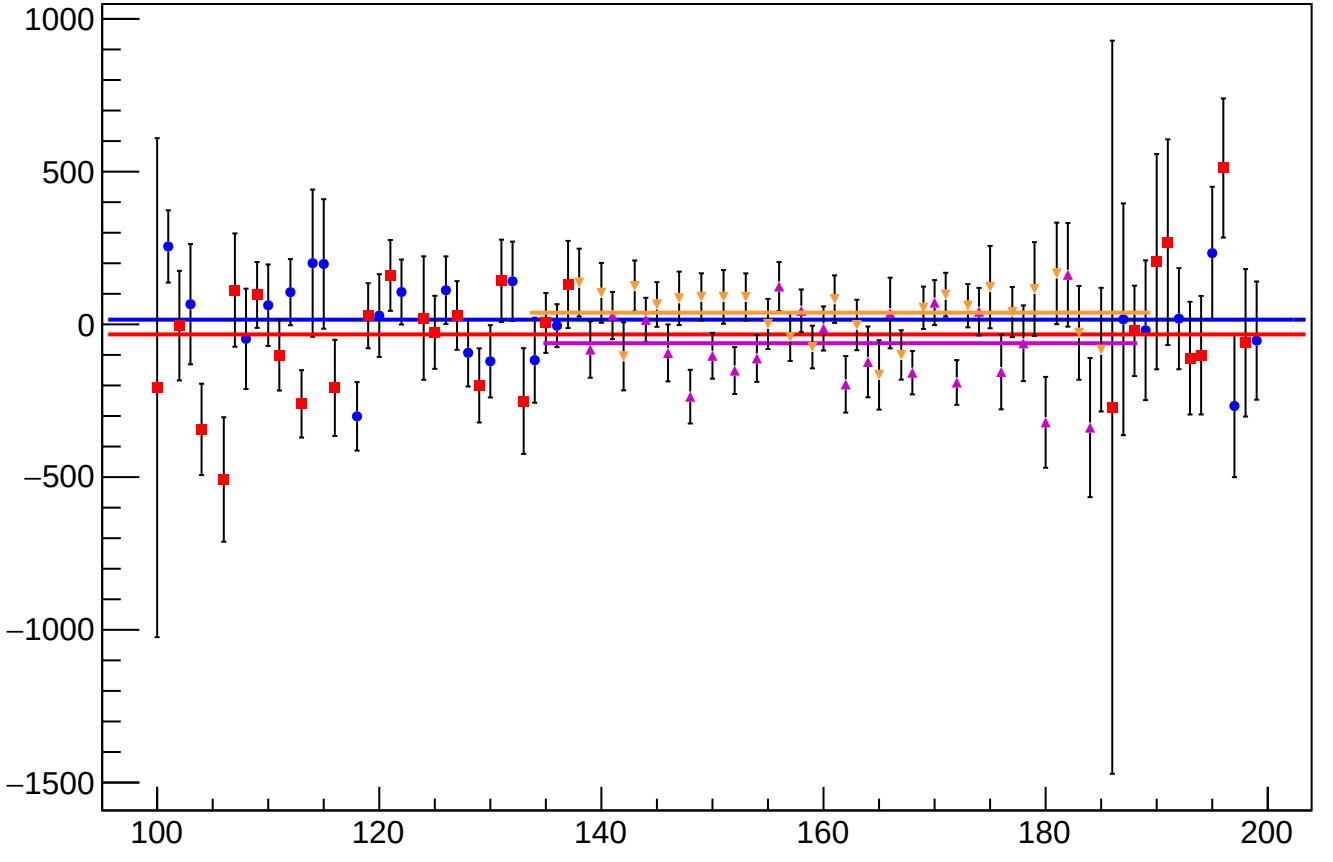
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 579.408+/-0.079 χ^2/NDF: 8099330.7/46

All: 582.941+/-0.057 χ^2/NDF: 17397481.7/96

- sign 586.619+/-0.081 χ^2/NDF: 9294109.9/49

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 15.441+/-28.691 χ^2/NDF: 22.8/21

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -32.890+/-28.675 χ^2/NDF: 35.2/26

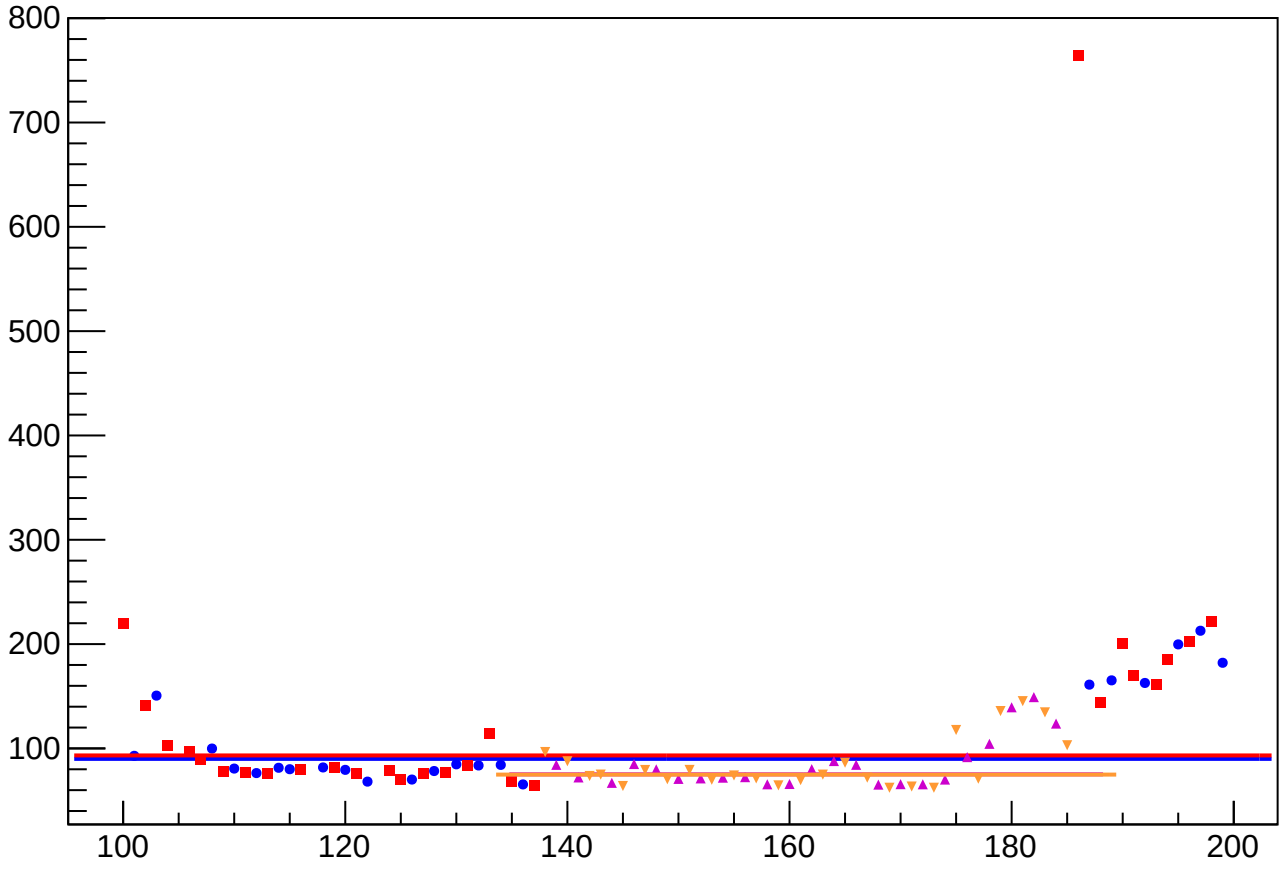
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.001+/-15.045 χ^2/NDF: 42.0/46

All: -9.837+/-10.749 χ^2/NDF: 130.5/96

- sign -53.449+/-15.361 χ^2/NDF: 72.6/49

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 89.980+/-0.020 χ^2/NDF: 2887499.2/21

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

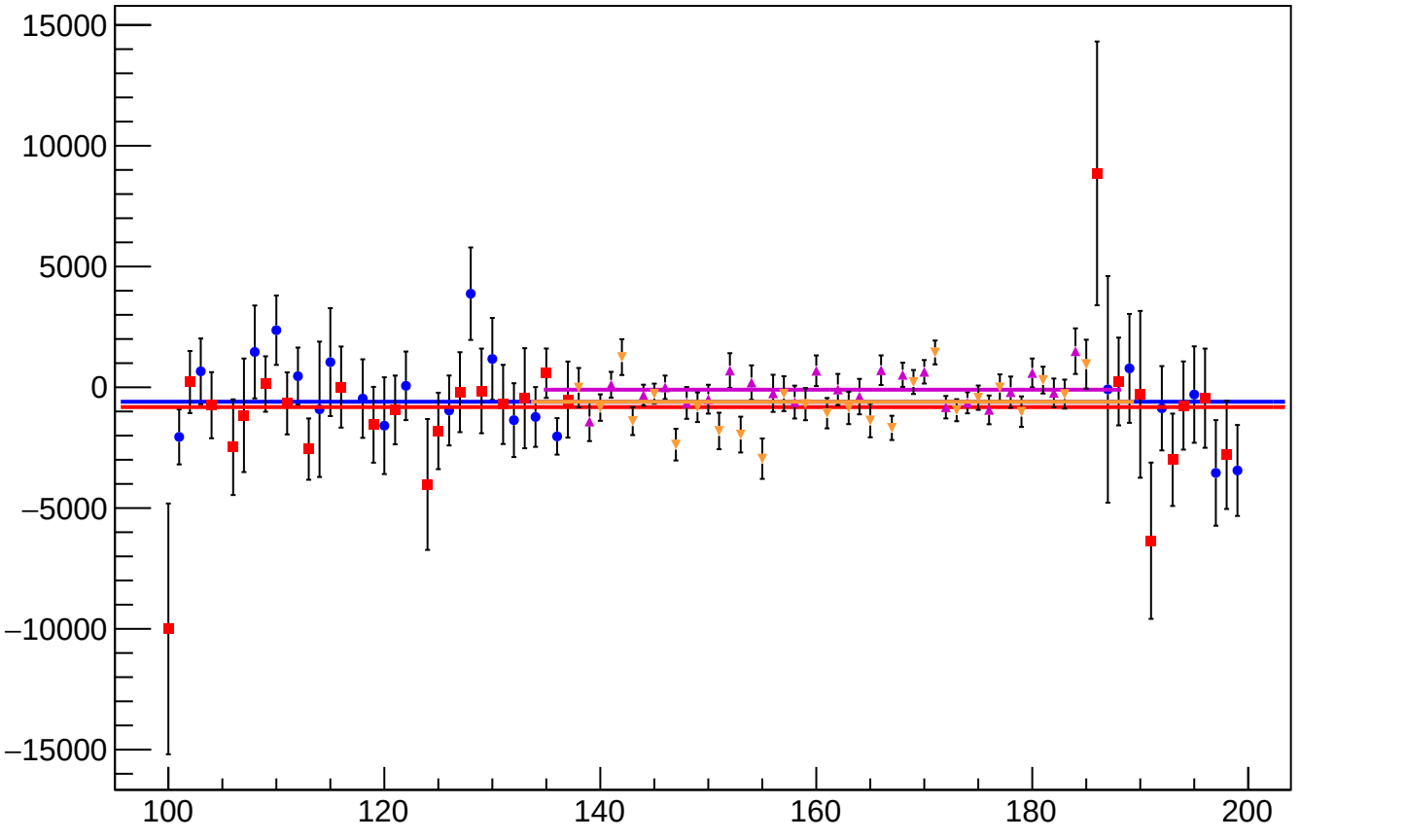
Right Out: 93.275+/-0.020 χ^2/NDF: 3728148.5/26

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 79.049+/-0.011 χ^2/NDF: 4949482.7/46

All: 79.688+/-0.008 χ^2/NDF: 10566932.3/96

- sign 80.355+/-0.011 χ^2/NDF: 5610064.5/49



Right In: -597.633+/-324.909 χ^2/NDF: 25.0/21

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -818.914+/-323.233 χ^2/NDF: 20.1/26

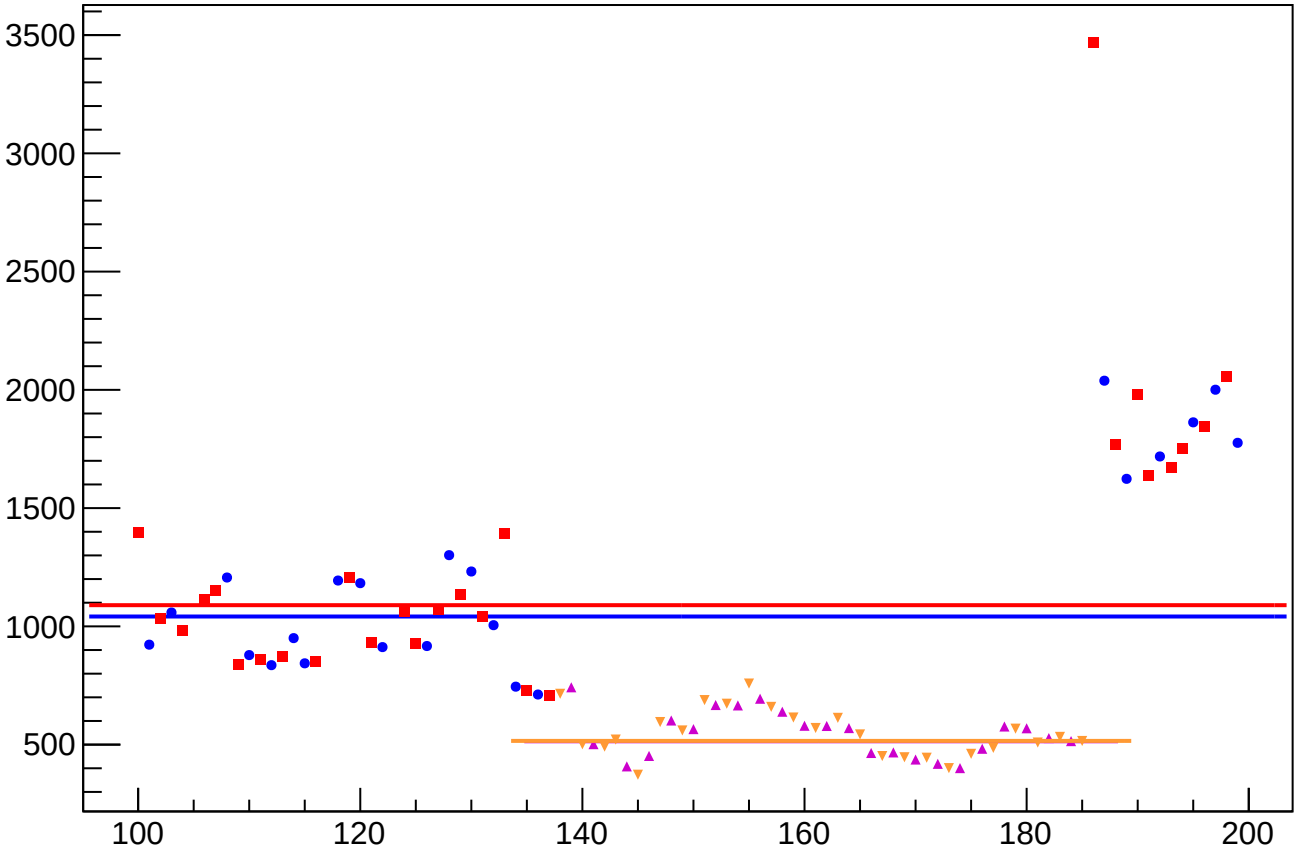
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -598.685+/-112.009 χ^2/NDF: 90.0/46

All: -398.285+/-80.032 χ^2/NDF: 144.7/96

- sign -189.259+/-114.395 χ^2/NDF: 48.2/49

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1041.696+/-0.230 χ^2/NDF: 2310409.4/21

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1089.598+/-0.229 χ^2/NDF: 2699681.0/26

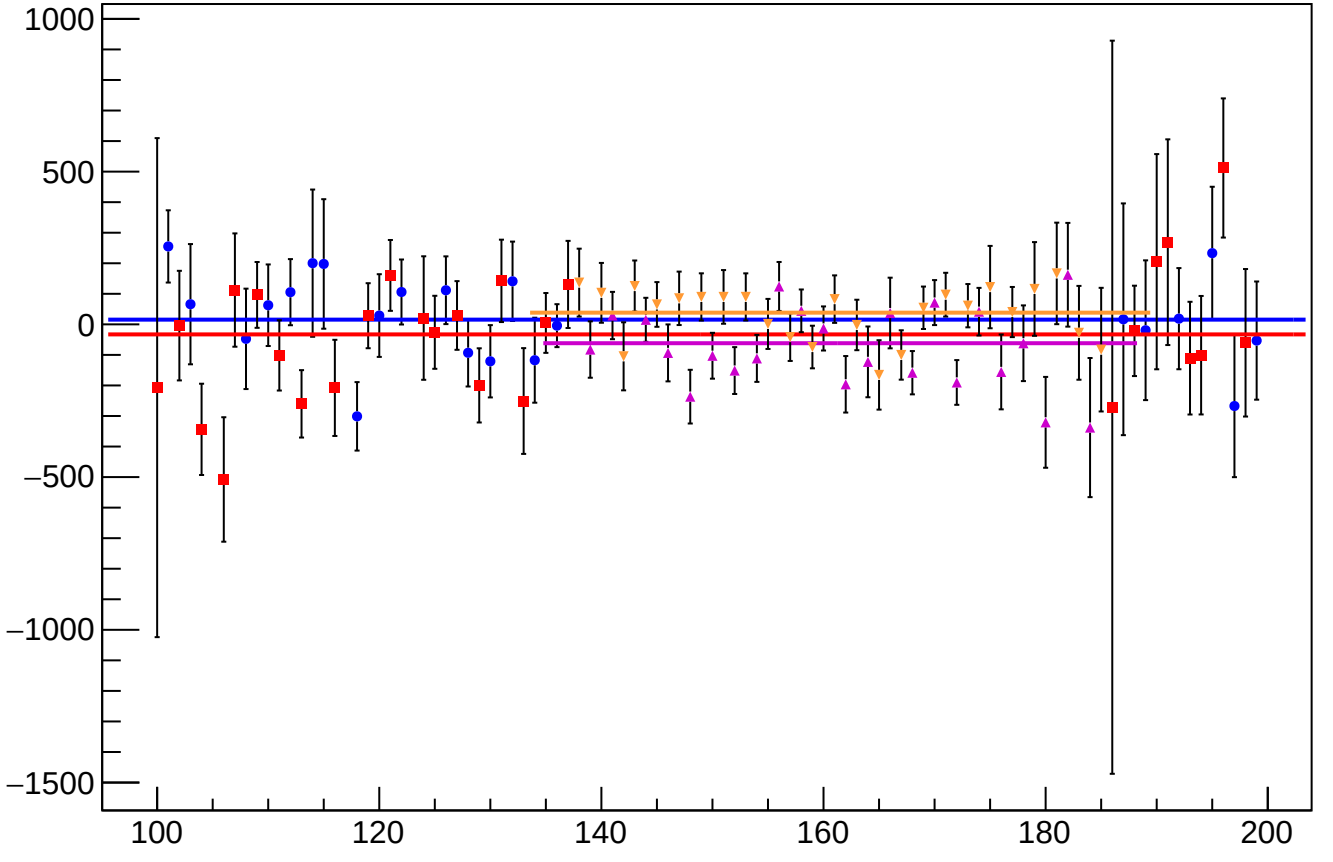
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 578.267+/-0.079 χ^2/NDF: 8160549.1/46

All: 582.135+/-0.057 χ^2/NDF: 17528099.3/96

- sign 586.171+/-0.081 χ^2/NDF: 9362675.5/49

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 15.441+/-28.691 χ^2/NDF: 22.8/21

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -32.888+/-28.675 χ^2/NDF: 35.2/26

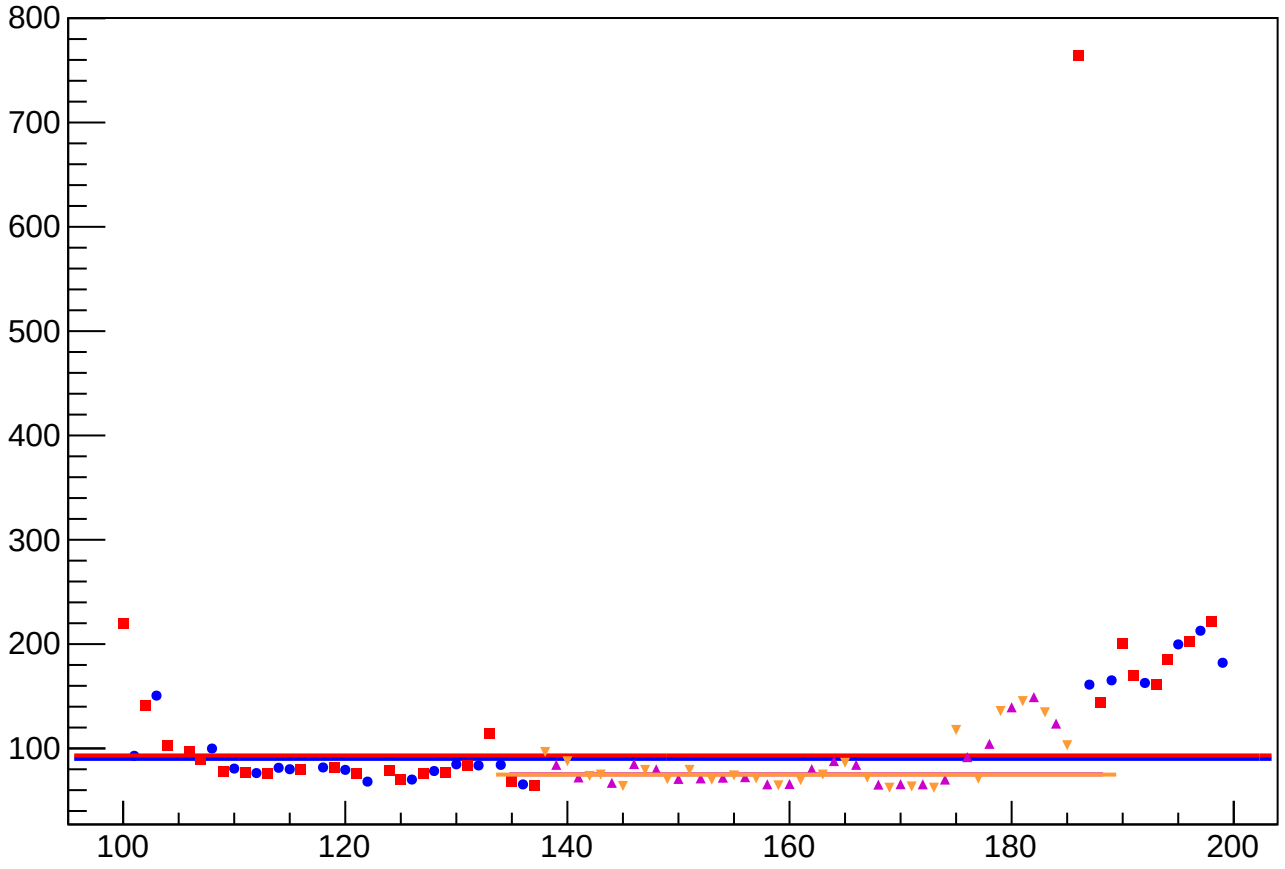
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.001+/-15.045 χ^2/NDF: 42.0/46

All: -9.836+/-10.749 χ^2/NDF: 130.5/96

- sign -53.448+/-15.361 χ^2/NDF: 72.6/49

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 89.980+/-0.020 χ^2/NDF: 2887504.7/21

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

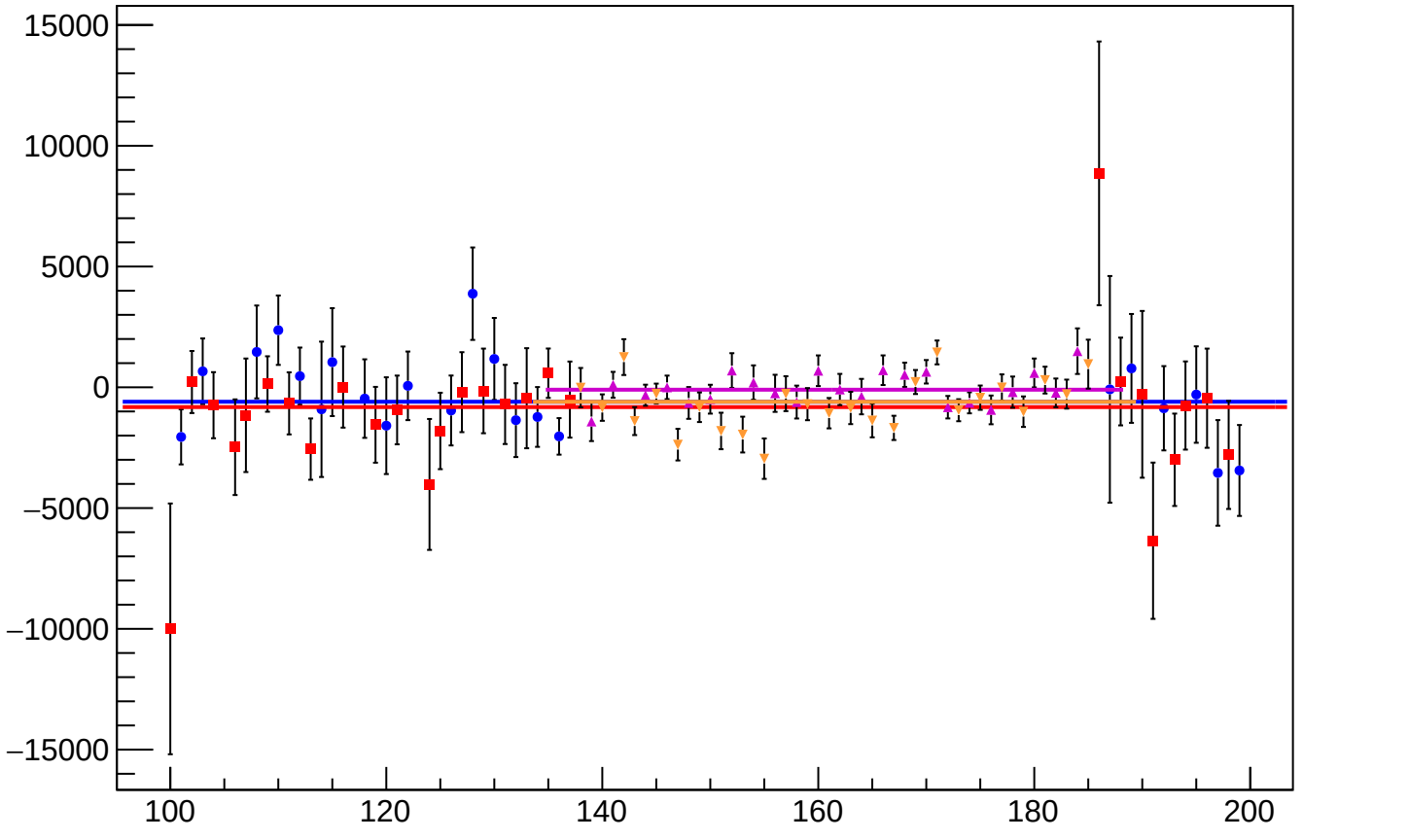
Right Out: 93.274+/-0.020 χ^2/NDF: 3728168.1/26

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 79.049+/-0.011 χ^2/NDF: 4949461.5/46

All: 79.689+/-0.008 χ^2/NDF: 10566887.6/96

- sign 80.355+/-0.011 χ^2/NDF: 5610040.7/49



Right In: -597.630+/-324.908 χ^2/NDF: 25.0/21

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

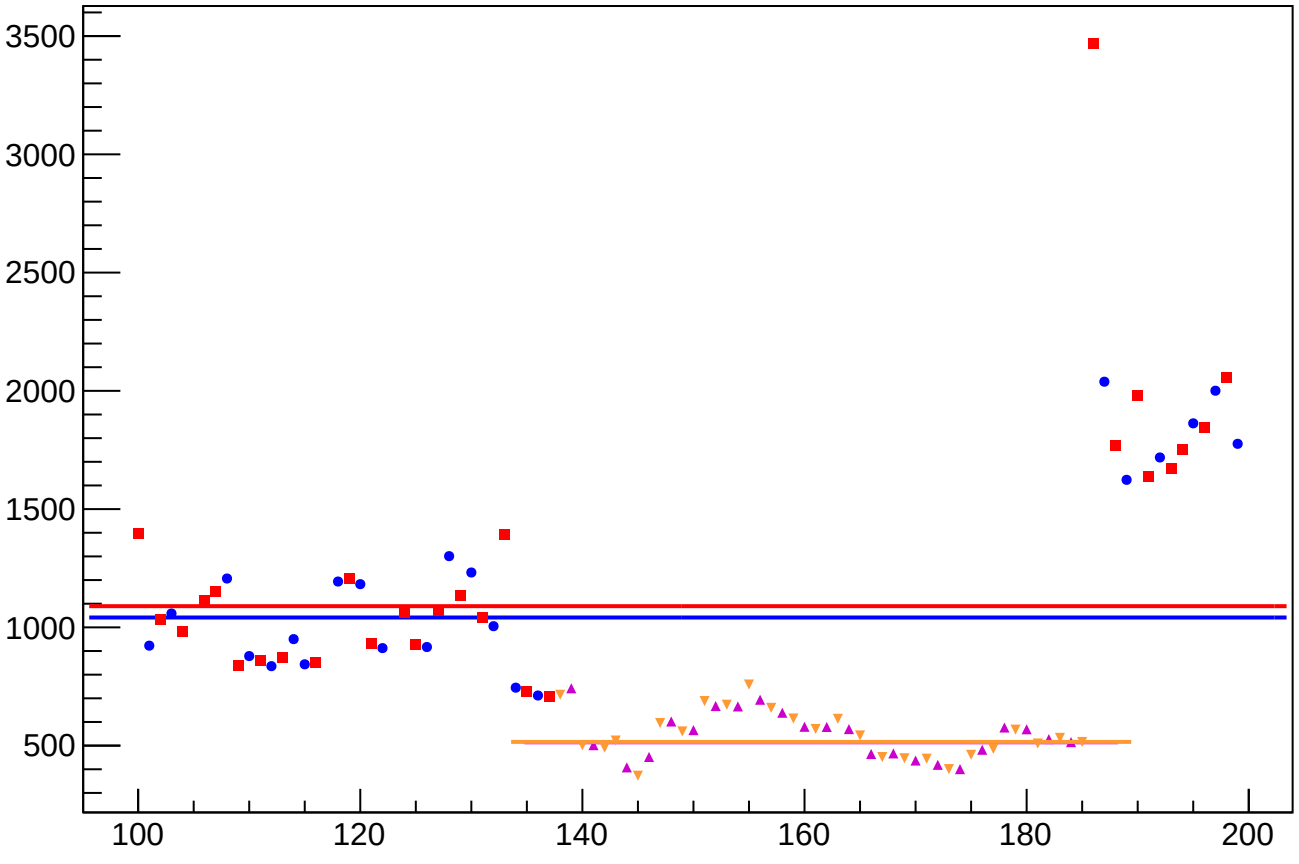
Right Out: -818.913+/-323.233 χ^2/NDF: 20.1/26

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -598.683+/-112.009 χ^2/NDF: 90.0/46

All: -398.284+/-80.032 χ^2/NDF: 144.7/96

- sign -189.258+/-114.394 χ^2/NDF: 48.2/49



Right In: 1041.693+/-0.230 χ^2/NDF: 2310414.1/21

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1089.596+/-0.229 χ^2/NDF: 2699687.9/26

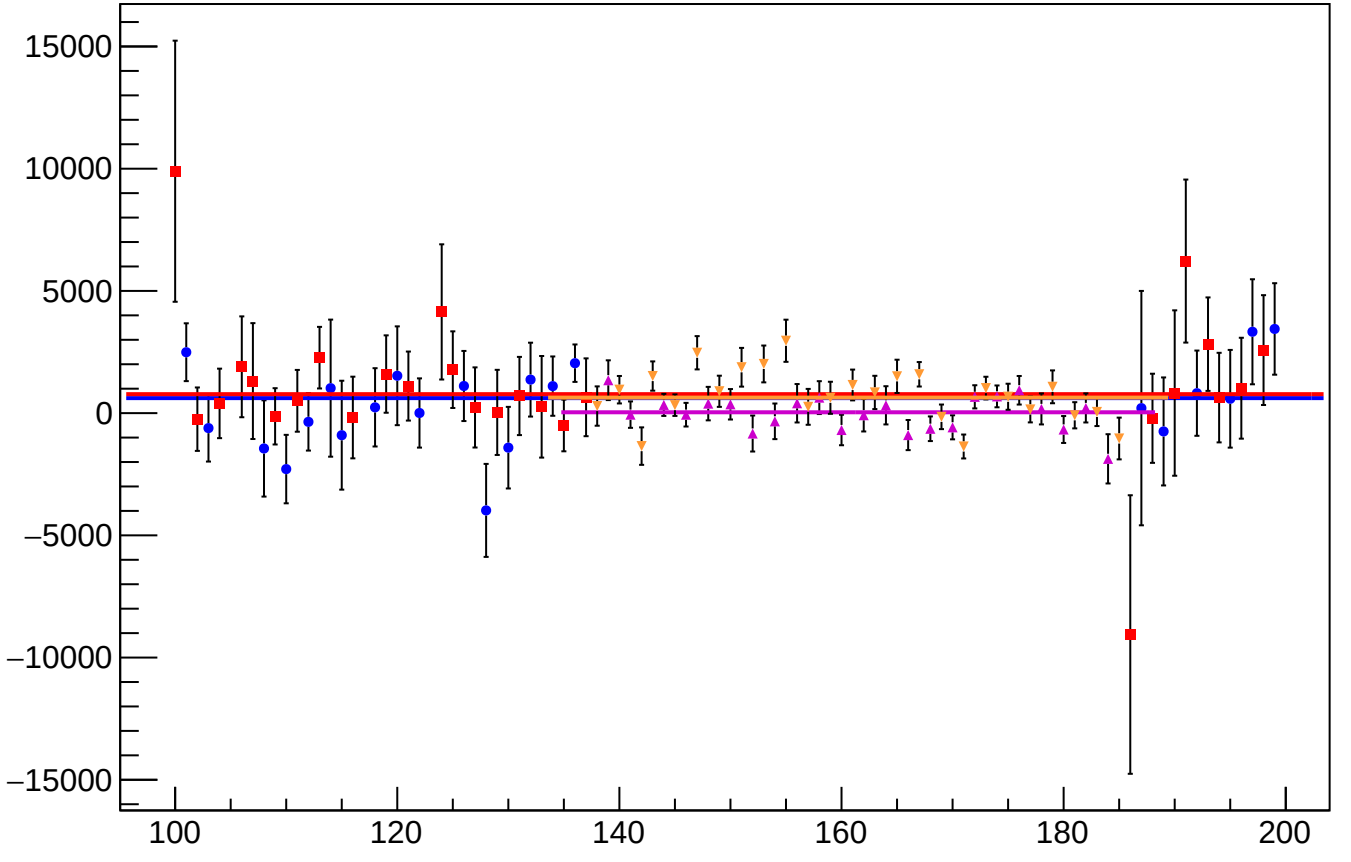
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 578.266+/-0.079 χ^2/NDF: 8160552.1/46

All: 582.134+/-0.057 χ^2/NDF: 17528099.3/96

- sign 586.170+/-0.081 χ^2/NDF: 9362672.5/49

asym_sam_12345678_avg_mean vs Slug



Right In: 614.240+/-324.860 χ^2/NDF: 25.9/21

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 776.307+/-324.956 χ^2/NDF: 18.1/26

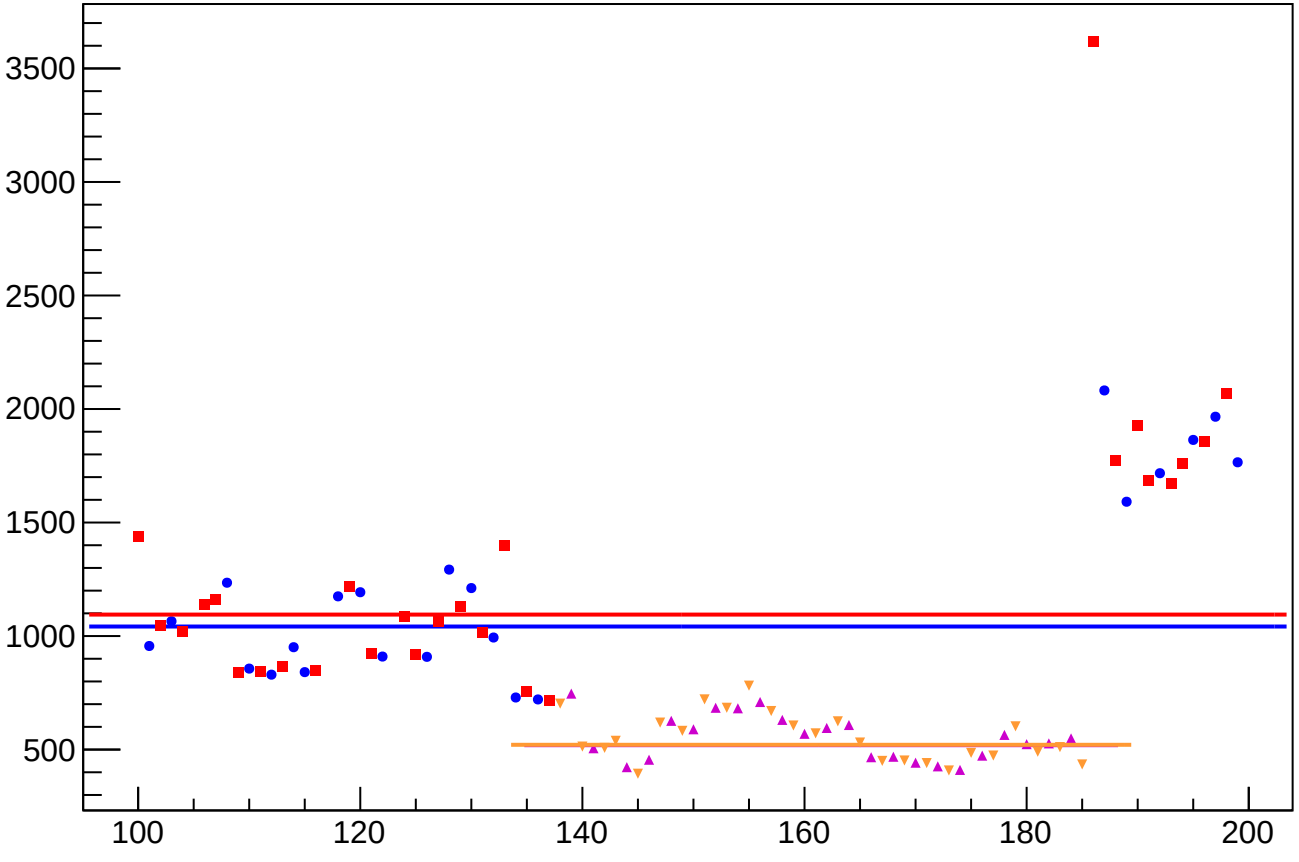
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

\+ sign 632.291+/-113.157 χ^2/NDF: 90.4/46

All: 385.424+/-80.815 χ^2/NDF: 148.0/96

\- sign 128.415+/-115.458 χ^2/NDF: 47.8/49

asym_sam_12345678_avg_rms vs Slug



Right In: 1041.964+/-0.230 χ^2/NDF: 2275400.4/21

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

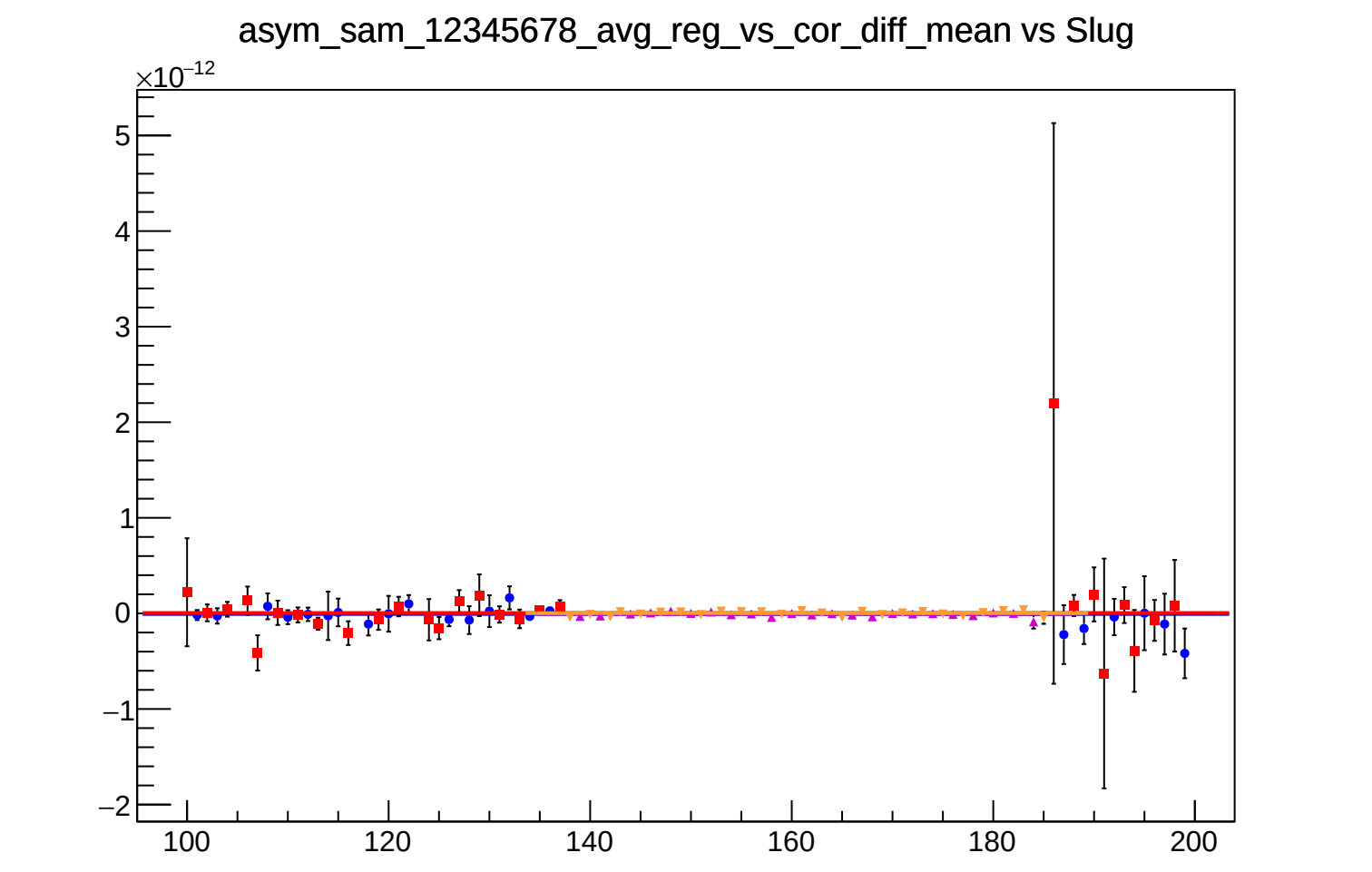
Right Out: 1094.529+/-0.230 χ^2/NDF: 2689707.1/26

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

\+ sign 584.231+/-0.080 χ^2/NDF: 8037339.5/46

All: 587.971+/-0.057 χ^2/NDF: 17309098.3/96

\- sign 591.864+/-0.082 χ^2/NDF: 9267299.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

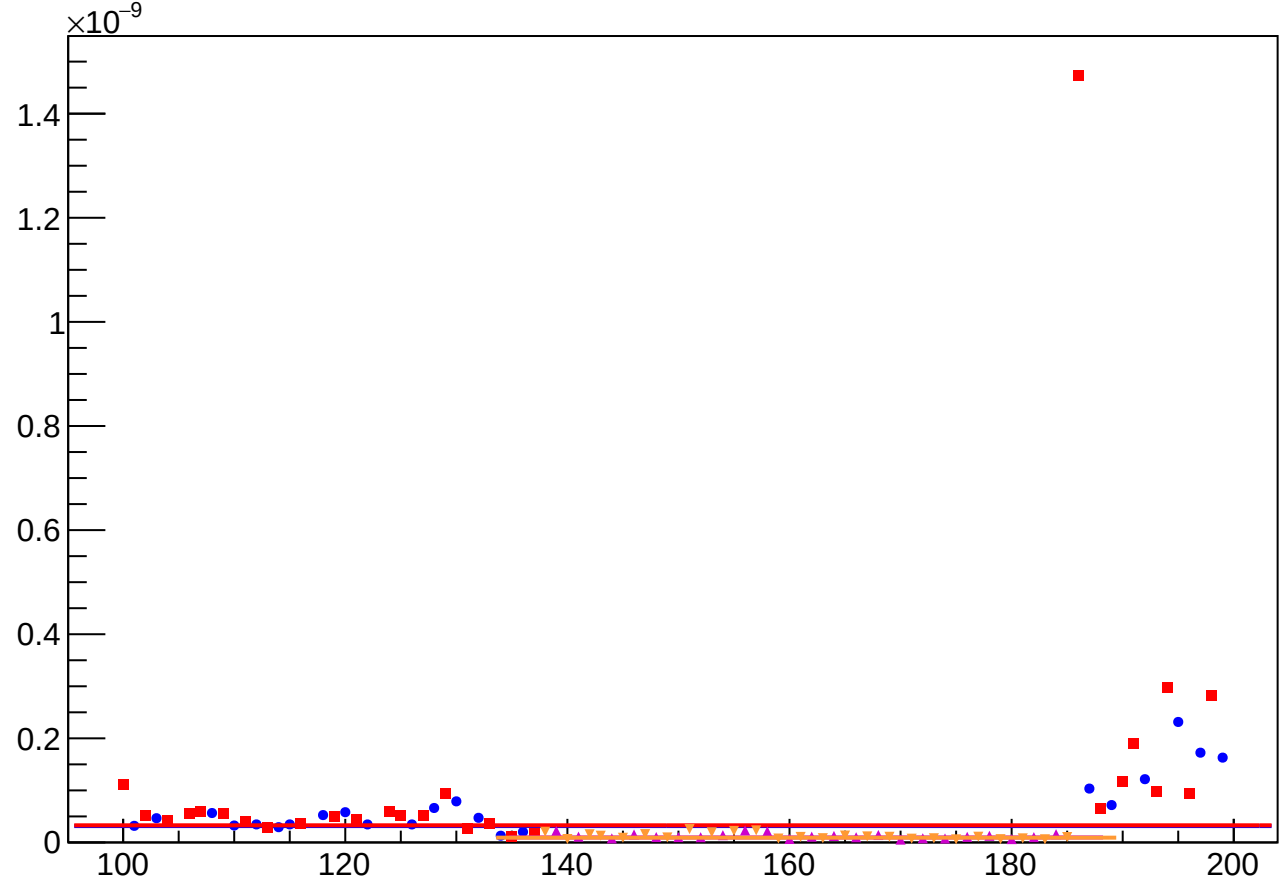
Right Out: 0.000+/-0.000 χ^2/NDF: 22.5/26

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.8/46

All: -0.000+/-0.000 χ^2/NDF: 68.7/96

- sign -0.000+/-0.000 χ^2/NDF: 33.5/49



Right In: 0.000+/-0.000 χ^2/NDF: 3328814.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

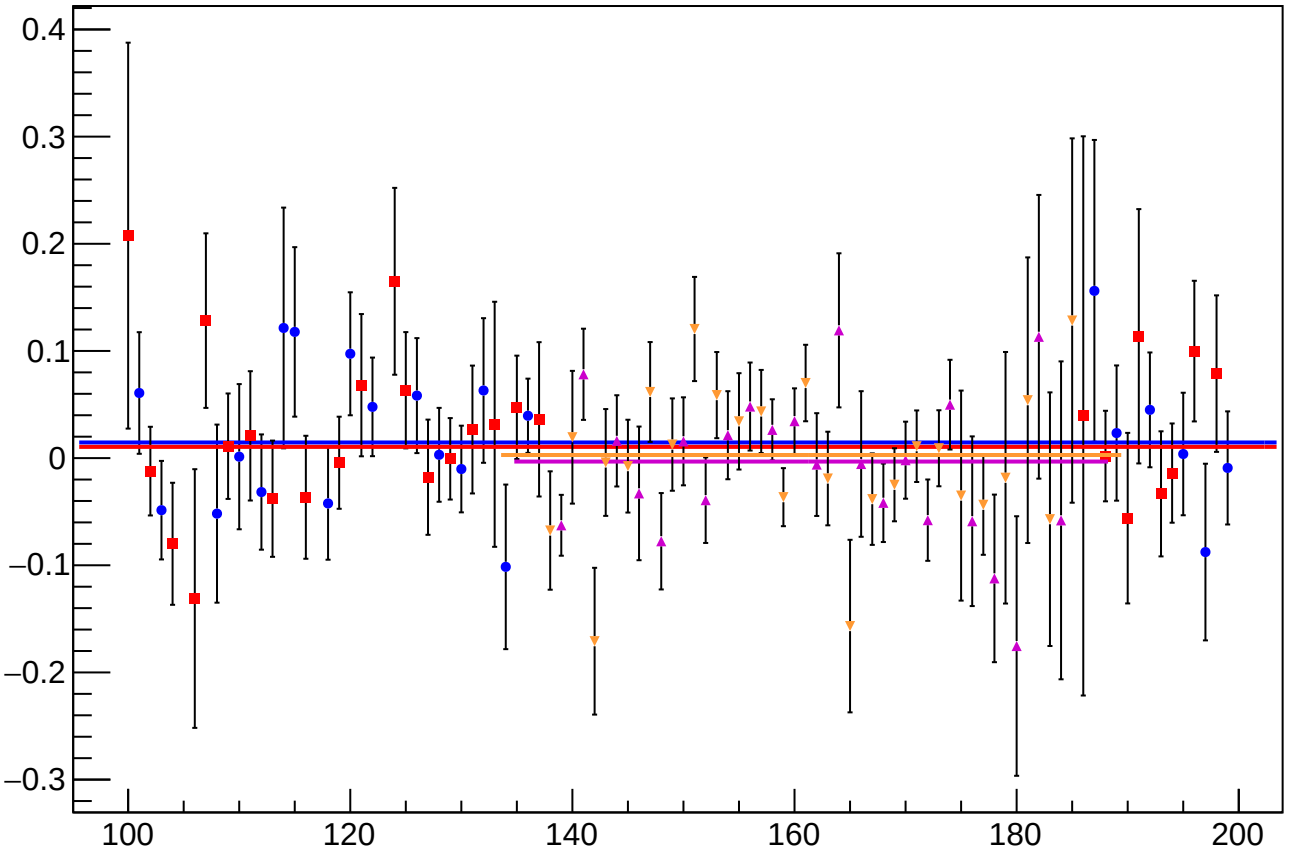
Right Out: 0.000+/-0.000 χ^2/NDF: 4303205.2/26

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8576129.3/46

All: 0.000+/-0.000 χ^2/NDF: 17477175.3/96

- sign 0.000+/-0.000 χ^2/NDF: 8890657.9/49



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.010+/-0.011 χ^2/NDF: 20.2/26

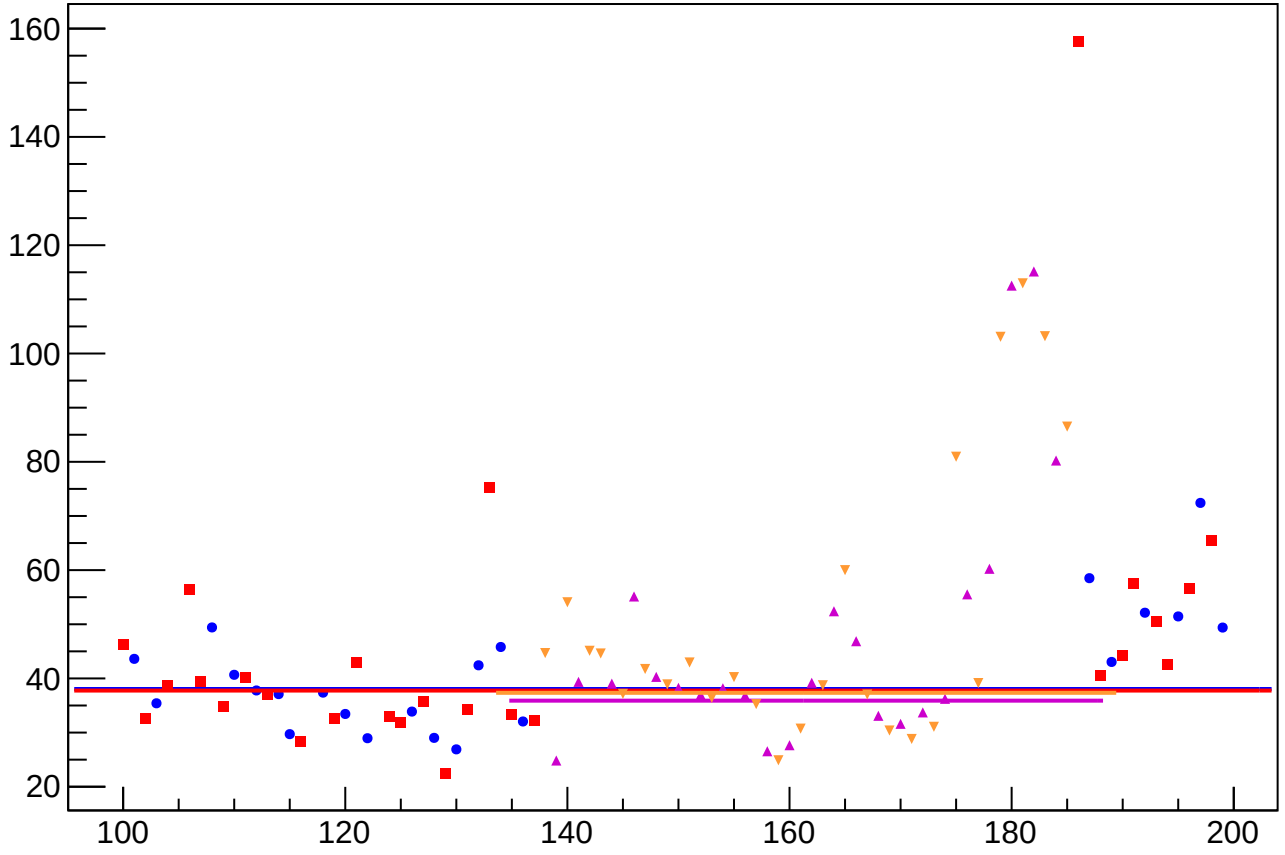
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.007 χ^2/NDF: 51.4/46

All: 0.005+/-0.005 χ^2/NDF: 102.5/96

- sign 0.002+/-0.007 χ^2/NDF: 50.9/49

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 38.047+/-0.008 χ^2/NDF: 1260674.5/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

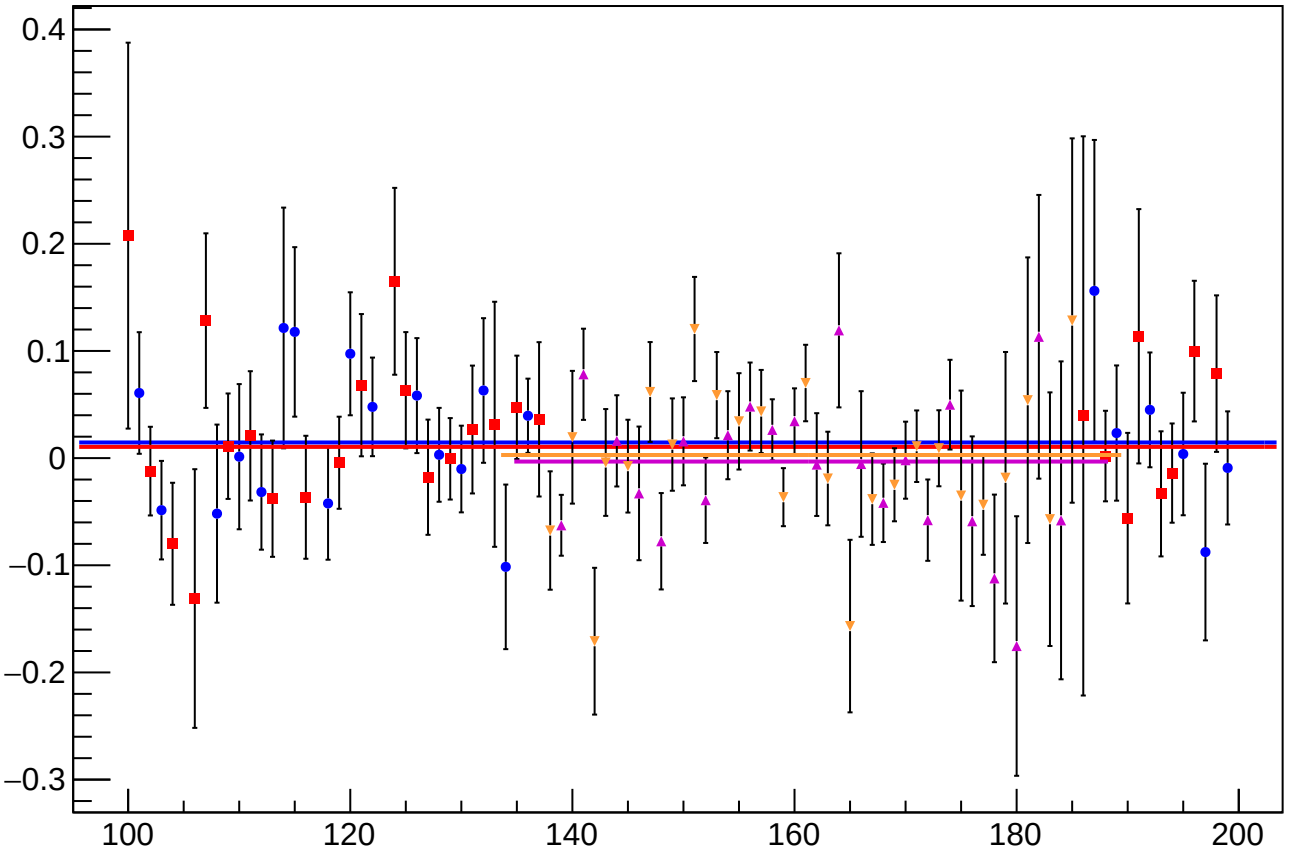
Right Out: 37.760+/-0.008 χ^2/NDF: 1870740.7/26

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.609+/-0.005 χ^2/NDF: 4961663.2/46

All: 37.106+/-0.004 χ^2/NDF: 10021645.6/96

- sign 36.628+/-0.005 χ^2/NDF: 5041581.6/49



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

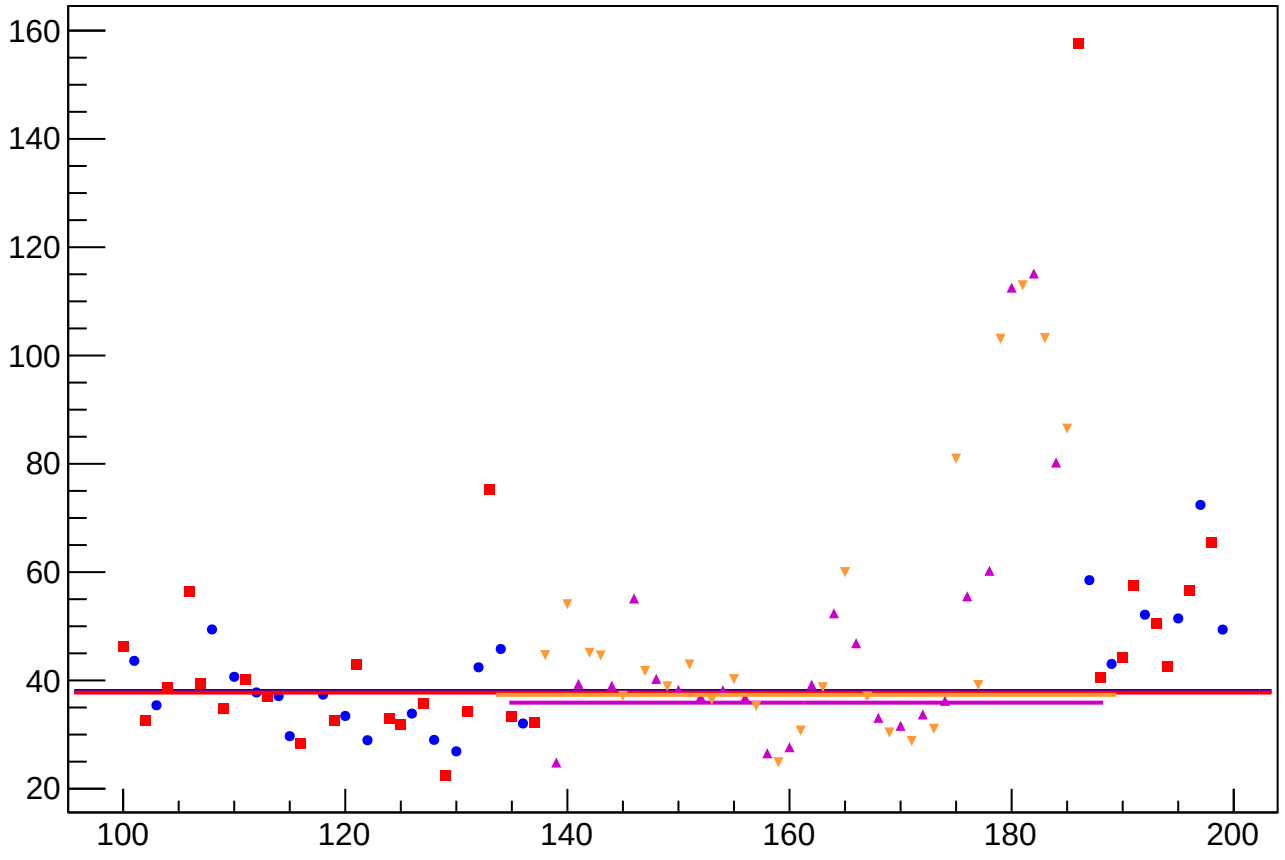
Right Out: 0.010+/-0.011 χ^2/NDF: 20.2/26

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.007 χ^2/NDF: 51.4/46

All: 0.005+/-0.005 χ^2/NDF: 102.5/96

- sign 0.002+/-0.007 χ^2/NDF: 50.9/49



Right In: 38.047+/-0.008 χ^2/NDF: 1260674.5/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

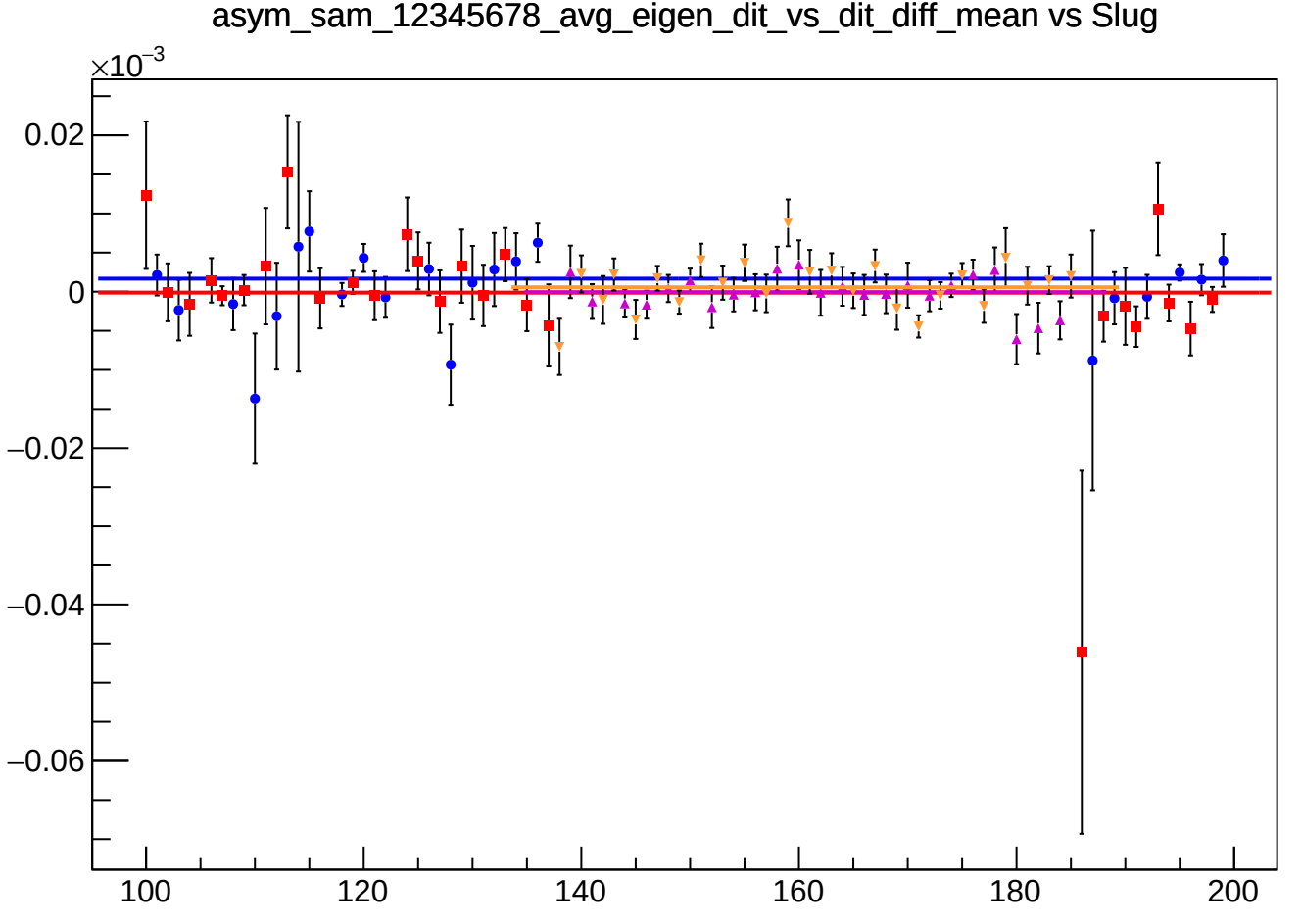
Right Out: 37.760+/-0.008 χ^2/NDF: 1870740.7/26

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.609+/-0.005 χ^2/NDF: 4961663.2/46

All: 37.106+/-0.004 χ^2/NDF: 10021645.6/96

- sign 36.628+/-0.005 χ^2/NDF: 5041581.6/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

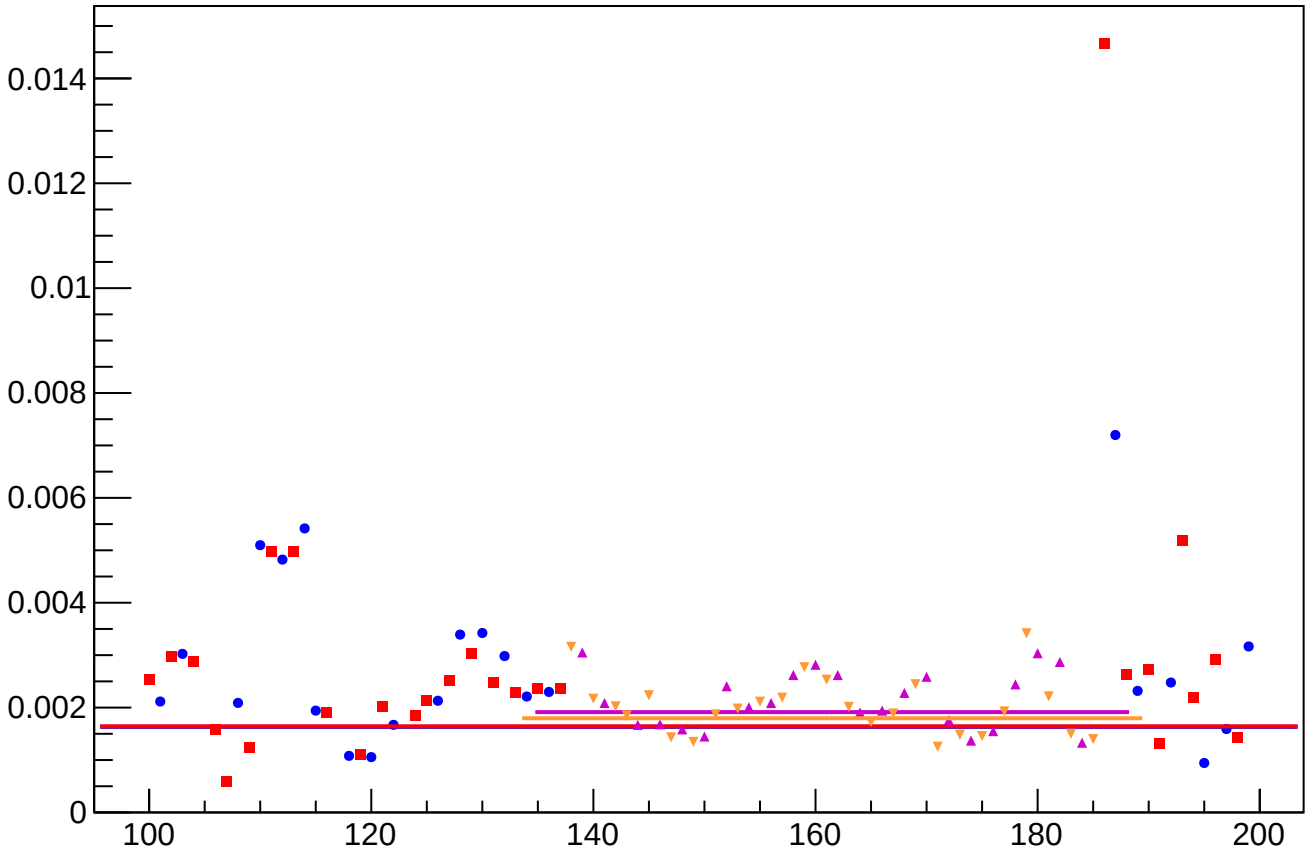
Right Out: -0.000+/-0.000 χ^2/NDF: 28.7/26

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.8/46

All: 0.000+/-0.000 χ^2/NDF: 120.1/96

- sign -0.000+/-0.000 χ^2/NDF: 45.6/49



Right In: 0.002+/-0.000 χ^2/NDF: 4483520.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

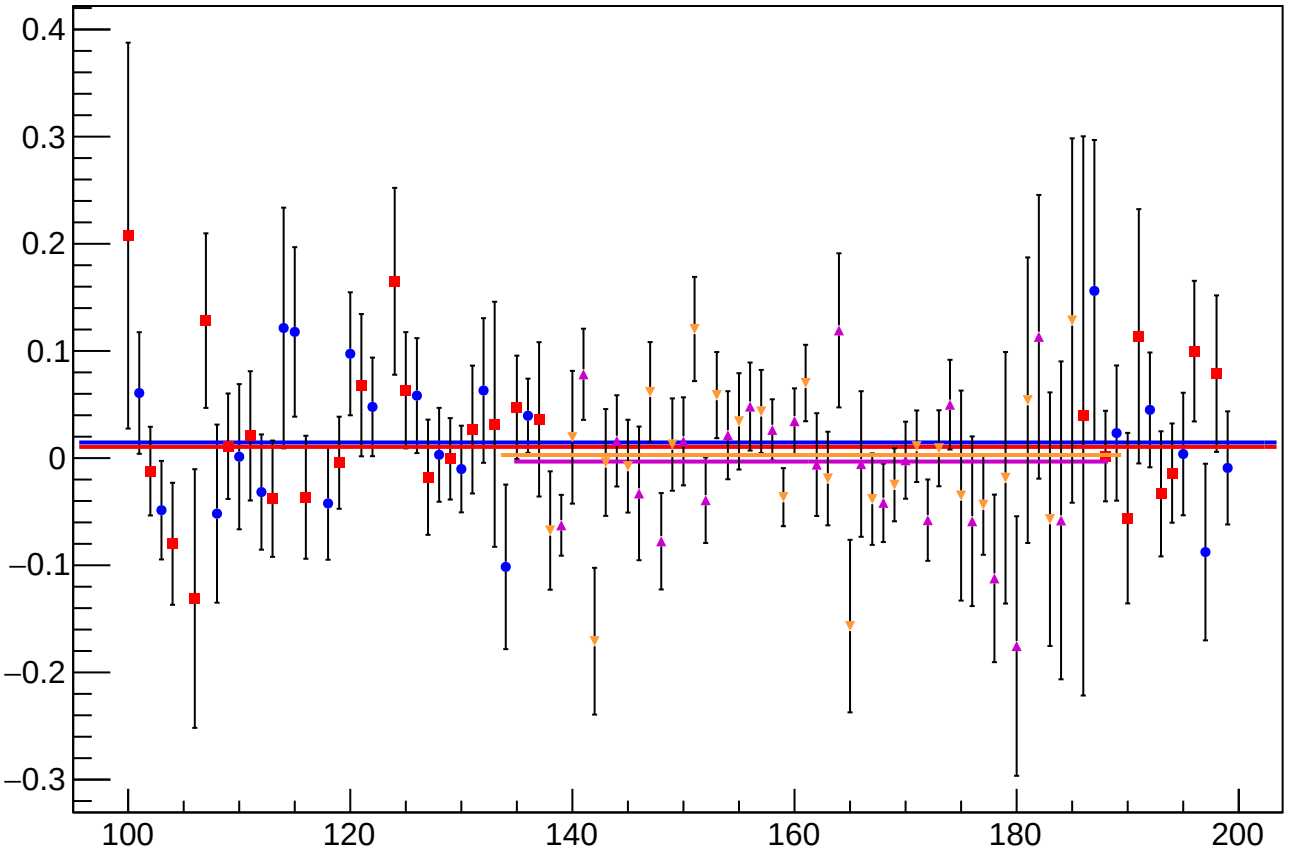
Right Out: 0.002+/-0.000 χ^2/NDF: 5861821.4/26

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 6872591.1/46

All: 0.002+/-0.000 χ^2/NDF: 15226338.9/96

- sign 0.002+/-0.000 χ^2/NDF: 8320434.7/49



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

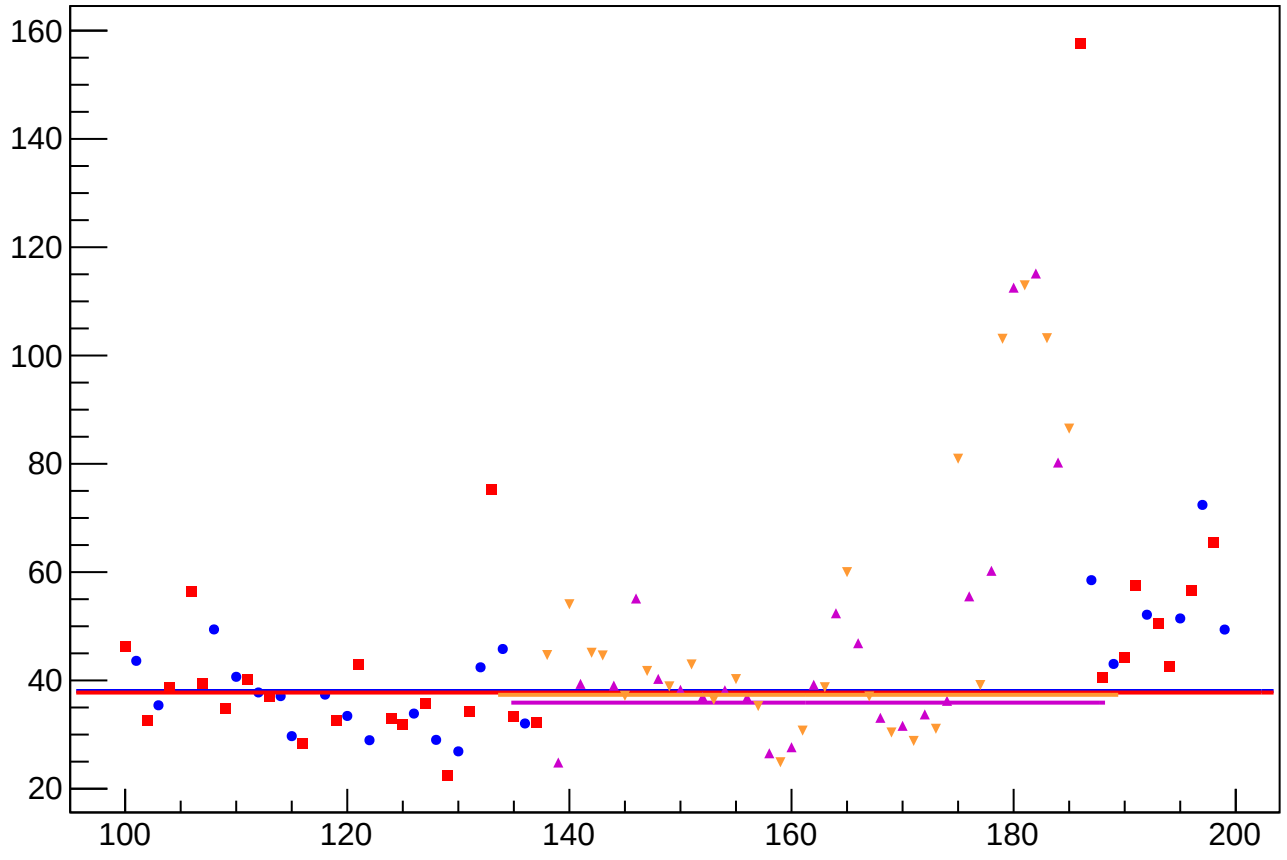
Right Out: 0.010+/-0.011 χ^2/NDF: 20.2/26

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.007+/-0.007 χ^2/NDF: 51.4/46

All: 0.005+/-0.005 χ^2/NDF: 102.5/96

- sign 0.002+/-0.007 χ^2/NDF: 50.9/49



Right In: 38.047+/-0.008 χ^2/NDF: 1260776.8/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

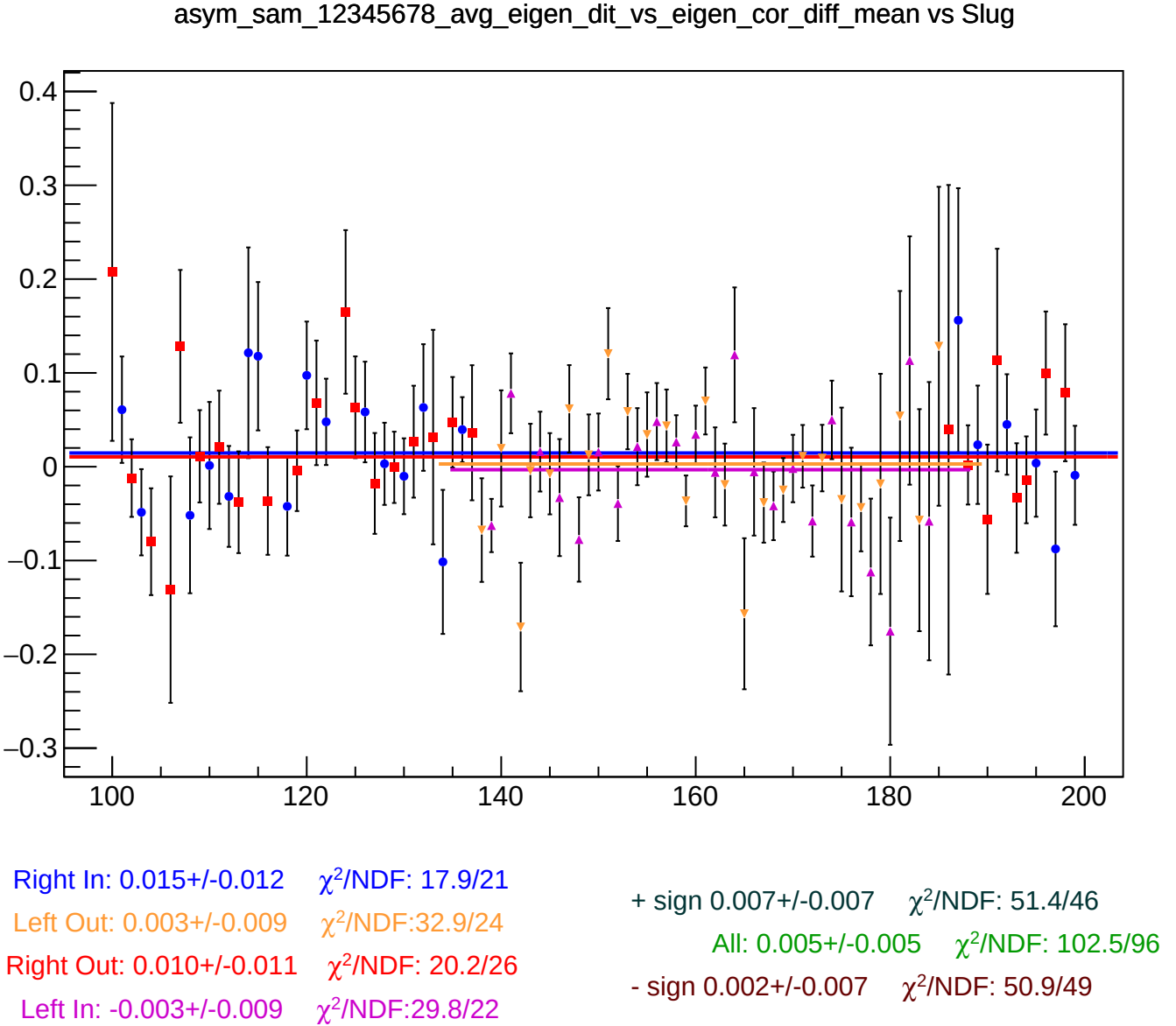
Right Out: 37.760+/-0.008 χ^2/NDF: 1870828.3/26

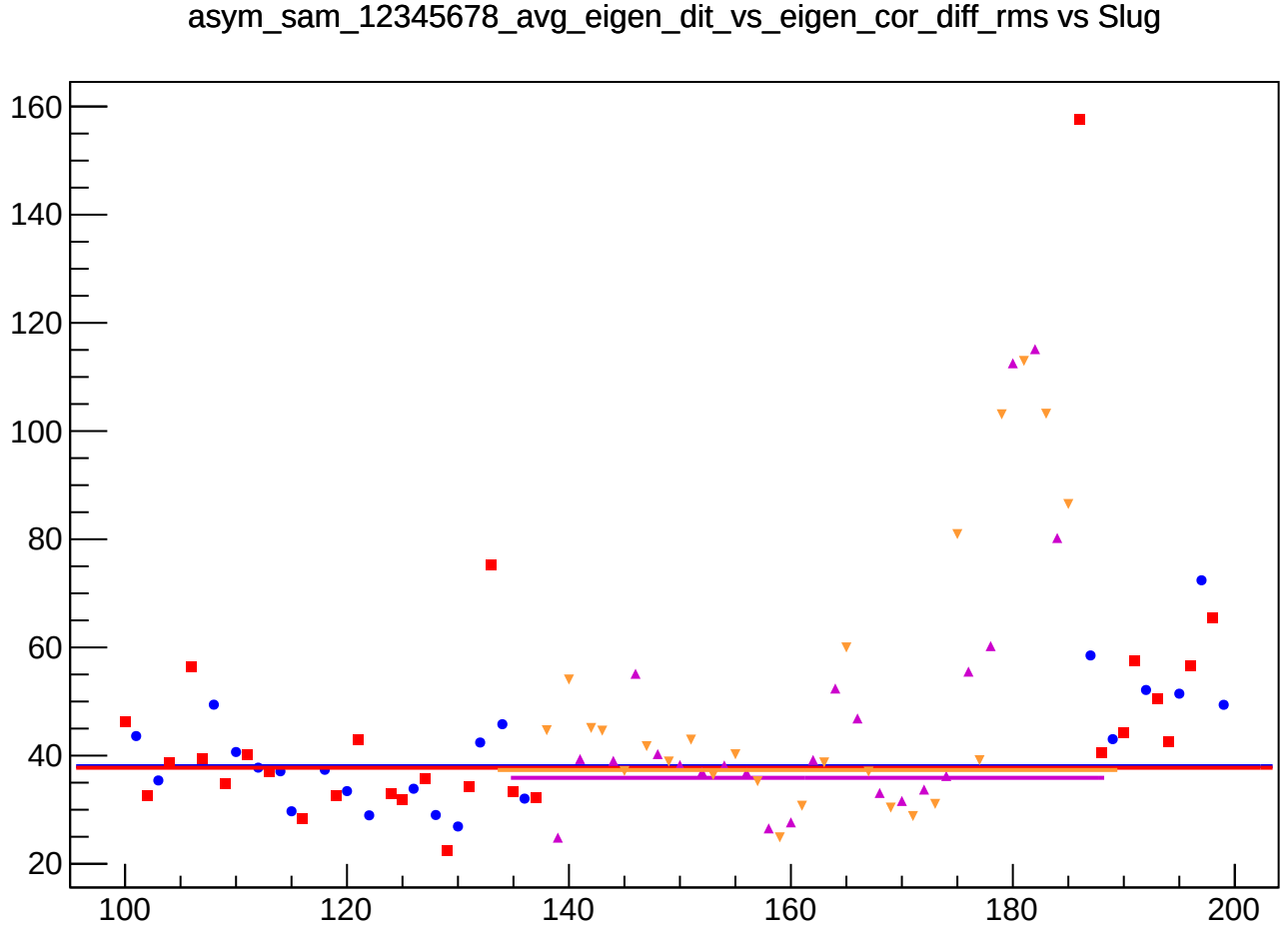
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.608+/-0.005 χ^2/NDF: 4961803.9/46

All: 37.107+/-0.004 χ^2/NDF: 10021857.6/96

- 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: 0.015+/-0.012 χ²/NDF: 17.9/21
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 0.007+/-0.007 χ²/NDF: 51.4/46
All: 0.005+/-0.005 χ²/NDF: 102.5/96
- sign 0.002+/-0.007 χ²/NDF: 50.9/49



Right In: 38.047+/-0.008 χ^2/NDF: 1260776.8/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

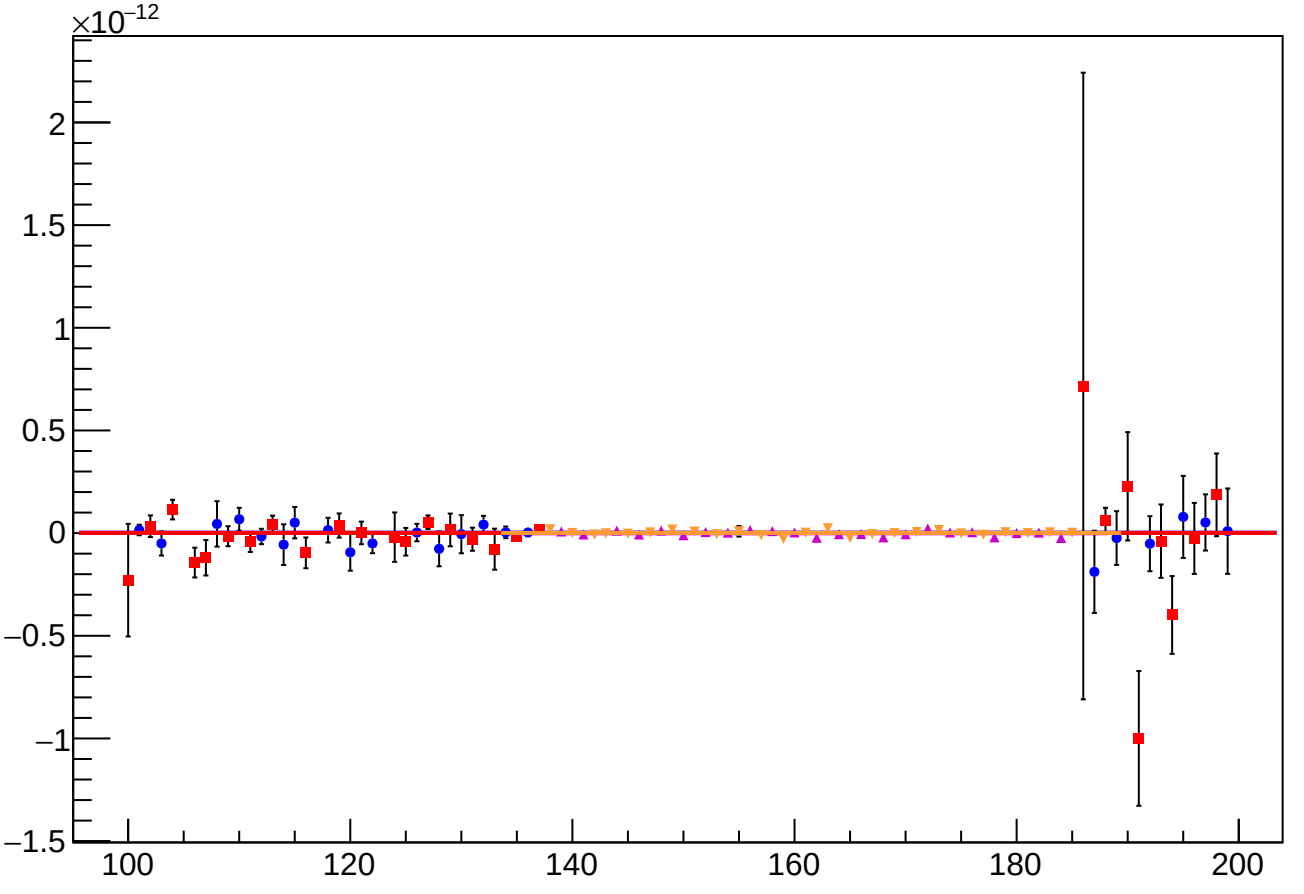
Right Out: 37.760+/-0.008 χ^2/NDF: 1870828.3/26

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.608+/-0.005 χ^2/NDF: 4961803.9/46

All: 37.107+/-0.004 χ^2/NDF: 10021857.6/96

- sign 36.629+/-0.005 χ^2/NDF: 5041659.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

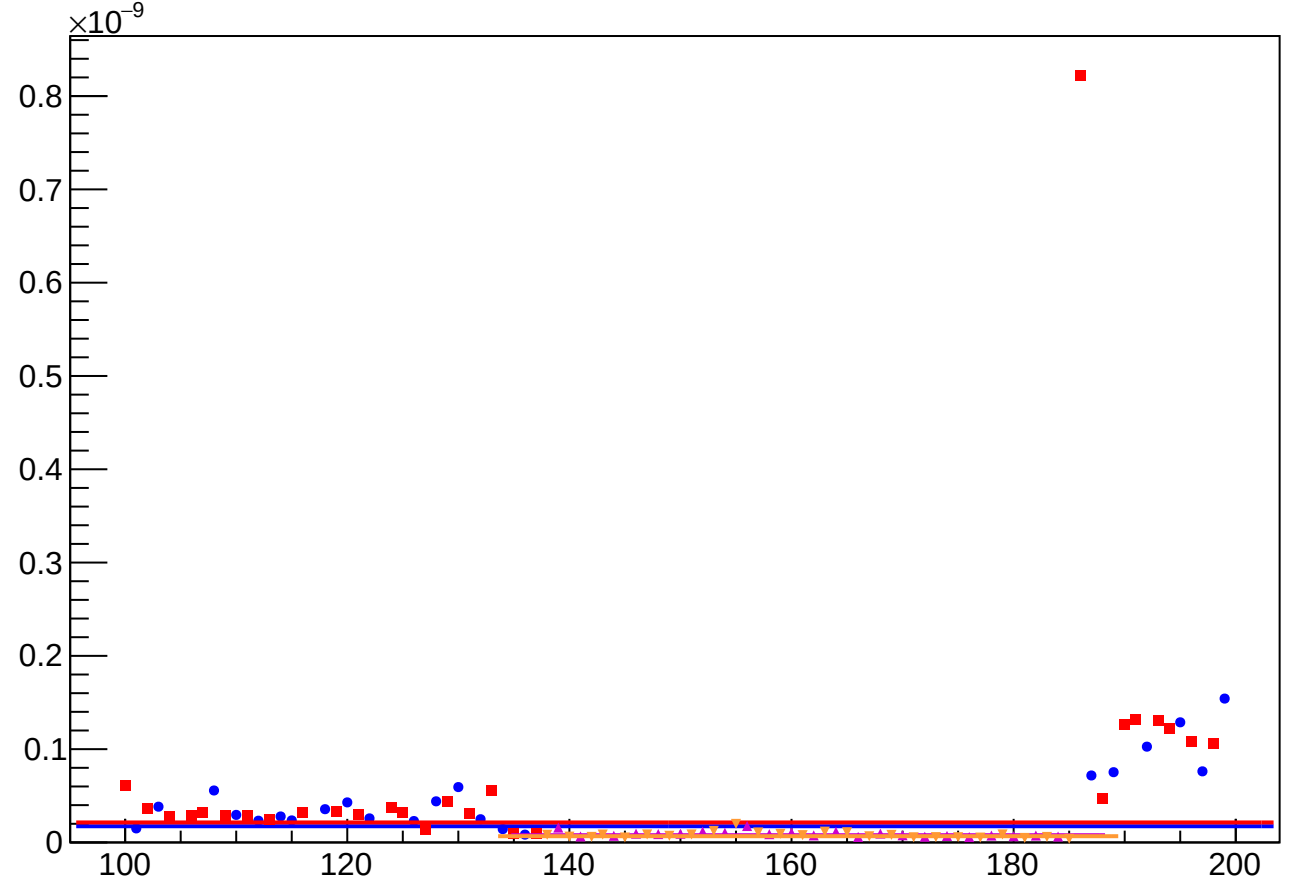
Right Out: 0.000+/-0.000 χ^2/NDF: 38.0/26

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/46

All: 0.000+/-0.000 χ^2/NDF: 98.0/96

- sign -0.000+/-0.000 χ^2/NDF: 67.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 6082800.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6121711.7/26

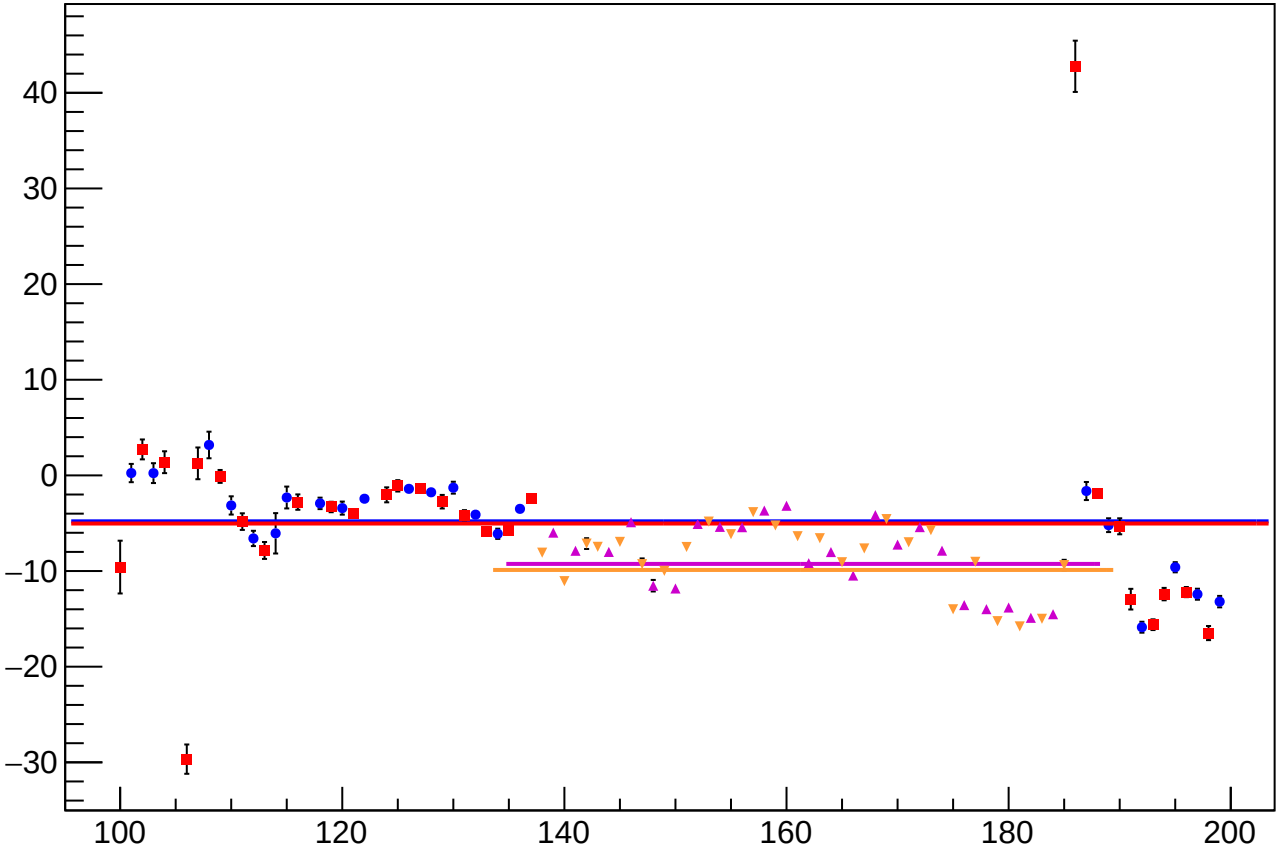
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11173460.4/46

All: 0.000+/-0.000 χ^2/NDF: 22751269.5/96

- sign 0.000+/-0.000 χ^2/NDF: 11252122.2/49

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.802+/-0.119 χ^2/NDF: 1135.6/21

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.033+/-0.116 χ^2/NDF: 1999.6/26

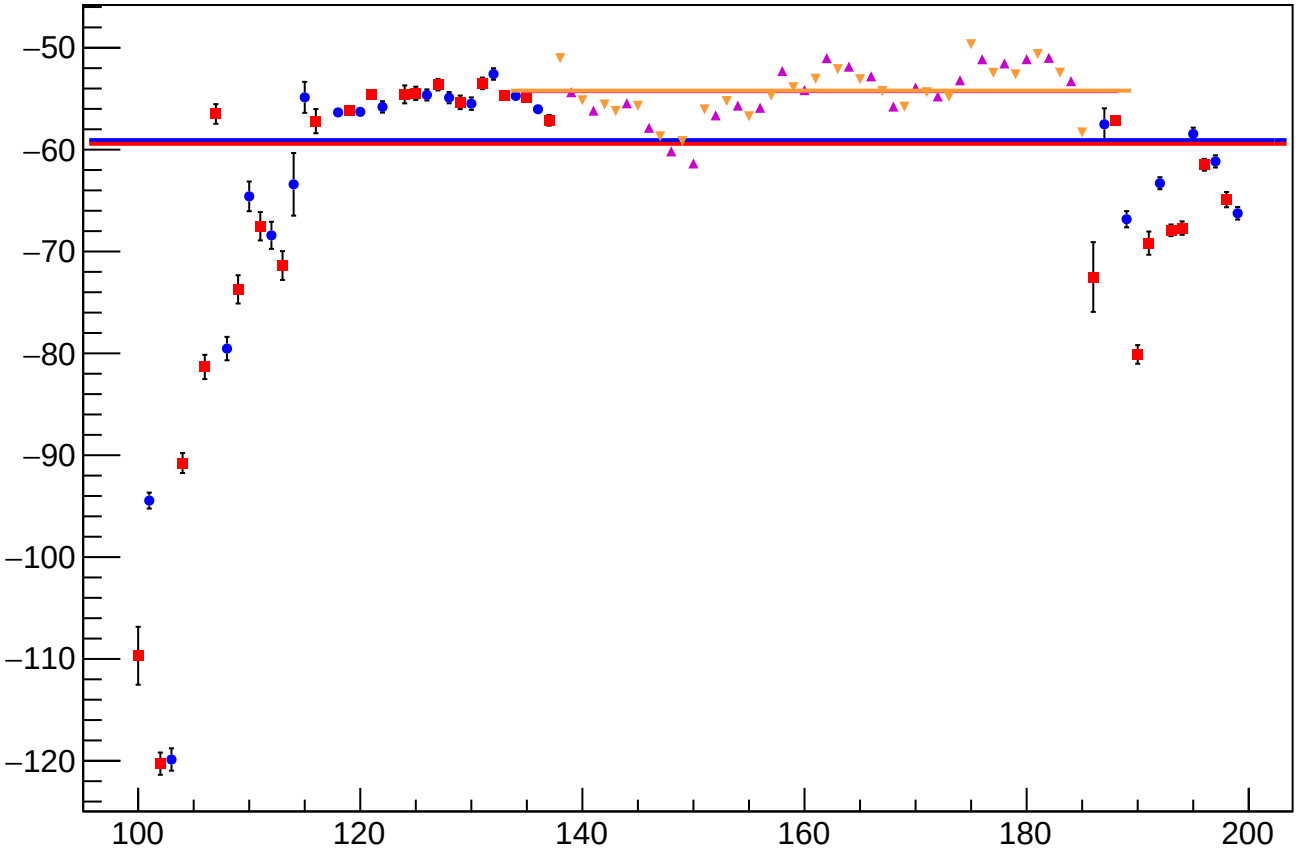
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.599+/-0.060 χ^2/NDF: 5695.8/46

All: -8.351+/-0.043 χ^2/NDF: 11751.9/96

- sign -8.095+/-0.061 χ^2/NDF: 6021.5/49

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.068+/-0.122 χ^2/NDF: 6464.1/21

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.425+/-0.121 χ^2/NDF: 6996.4/26

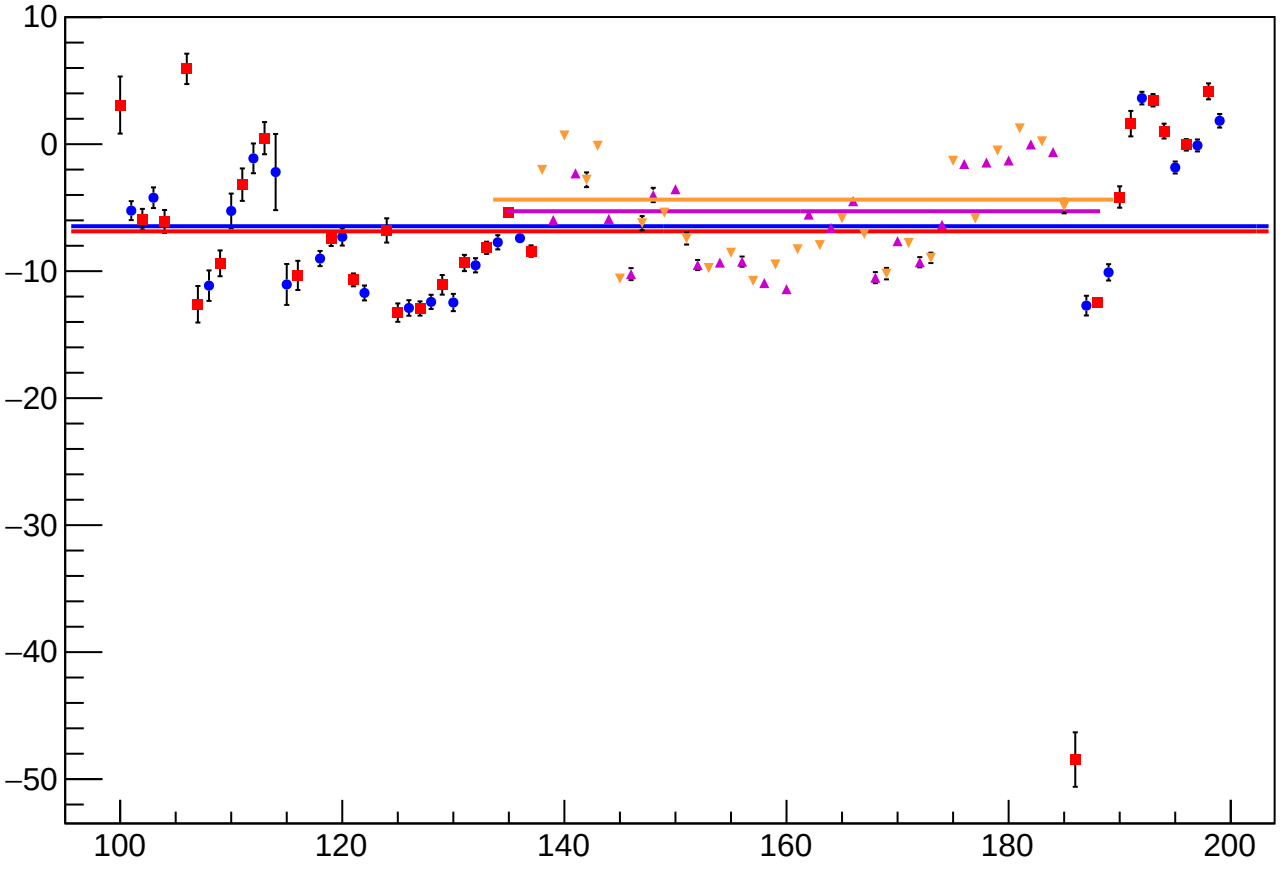
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -55.050+/-0.051 χ^2/NDF: 9637.3/46

All: -55.139+/-0.036 χ^2/NDF: 20616.4/96

- sign -55.235+/-0.053 χ^2/NDF: 10972.6/49

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -6.461+/-0.121 χ^2/NDF: 1536.1/21

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.865+/-0.116 χ^2/NDF: 2623.2/26

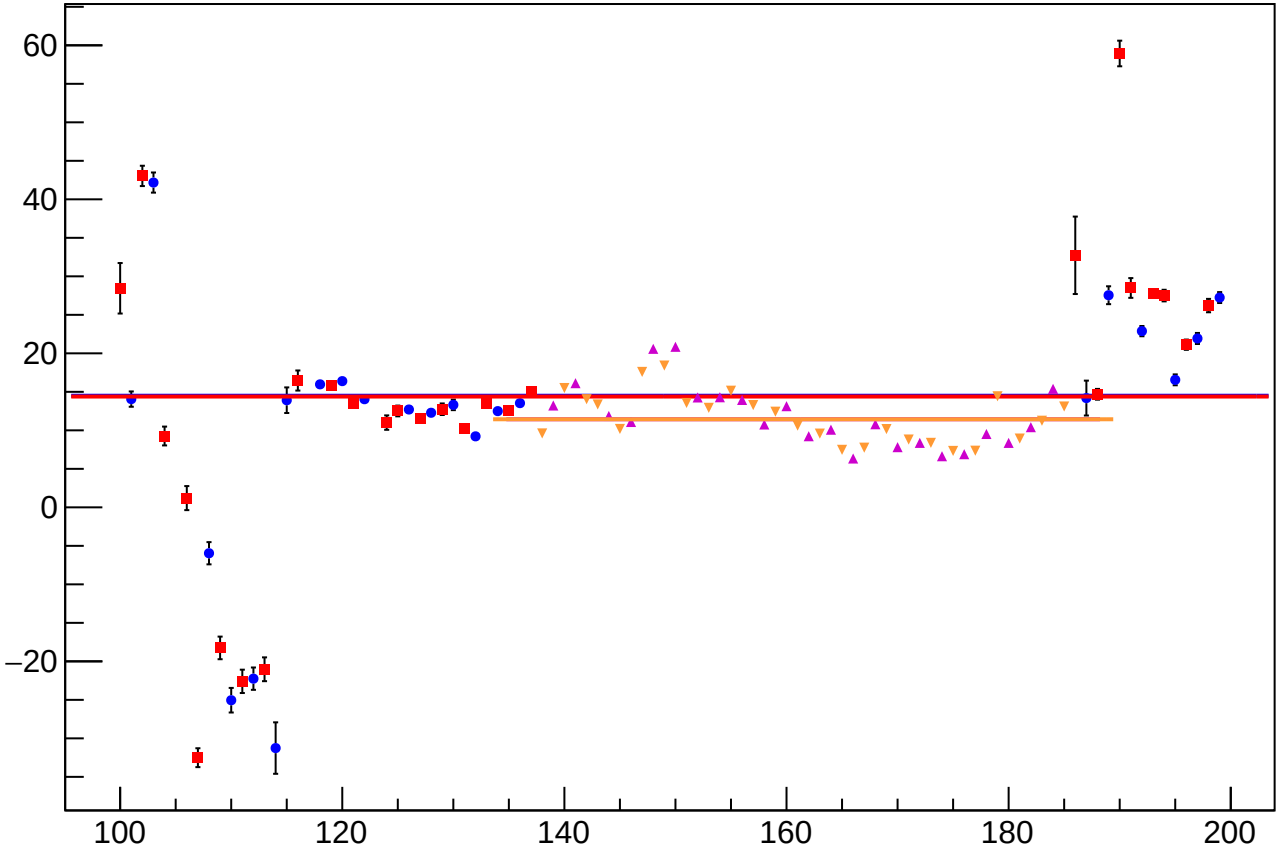
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.883+/-0.060 χ^2/NDF: 5463.5/46

All: -5.296+/-0.043 χ^2/NDF: 11067.2/96

- sign -5.715+/-0.061 χ^2/NDF: 5508.7/49

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 14.493+/-0.137 χ^2/NDF: 2972.8/21

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.390+/-0.138 χ^2/NDF: 5670.5/26

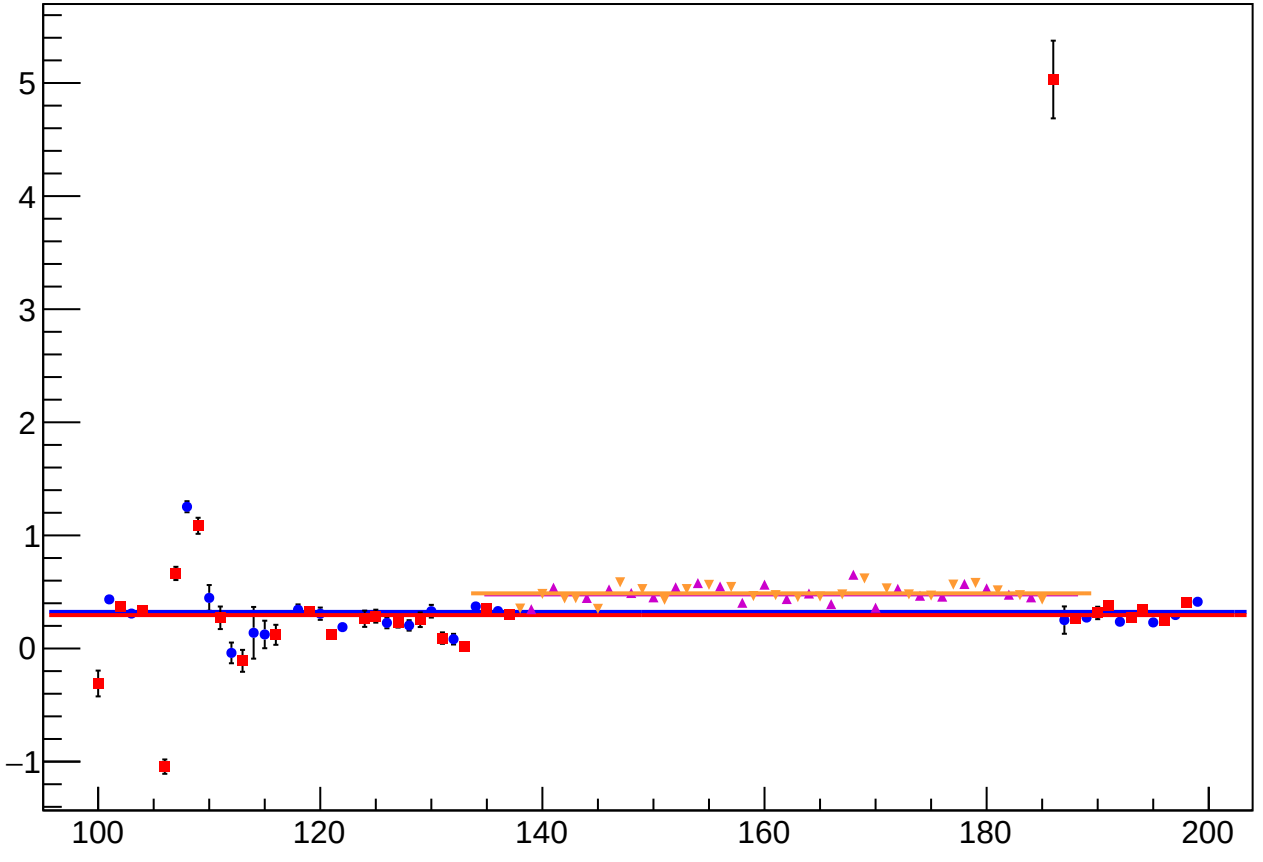
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 11.958+/-0.056 χ^2/NDF: 5822.0/46

All: 11.961+/-0.041 χ^2/NDF: 15225.4/96

- sign 11.965+/-0.058 χ^2/NDF: 9403.4/49

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.324+/-0.006 χ^2/NDF: 499.0/21

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.295+/-0.006 χ^2/NDF: 1005.9/26

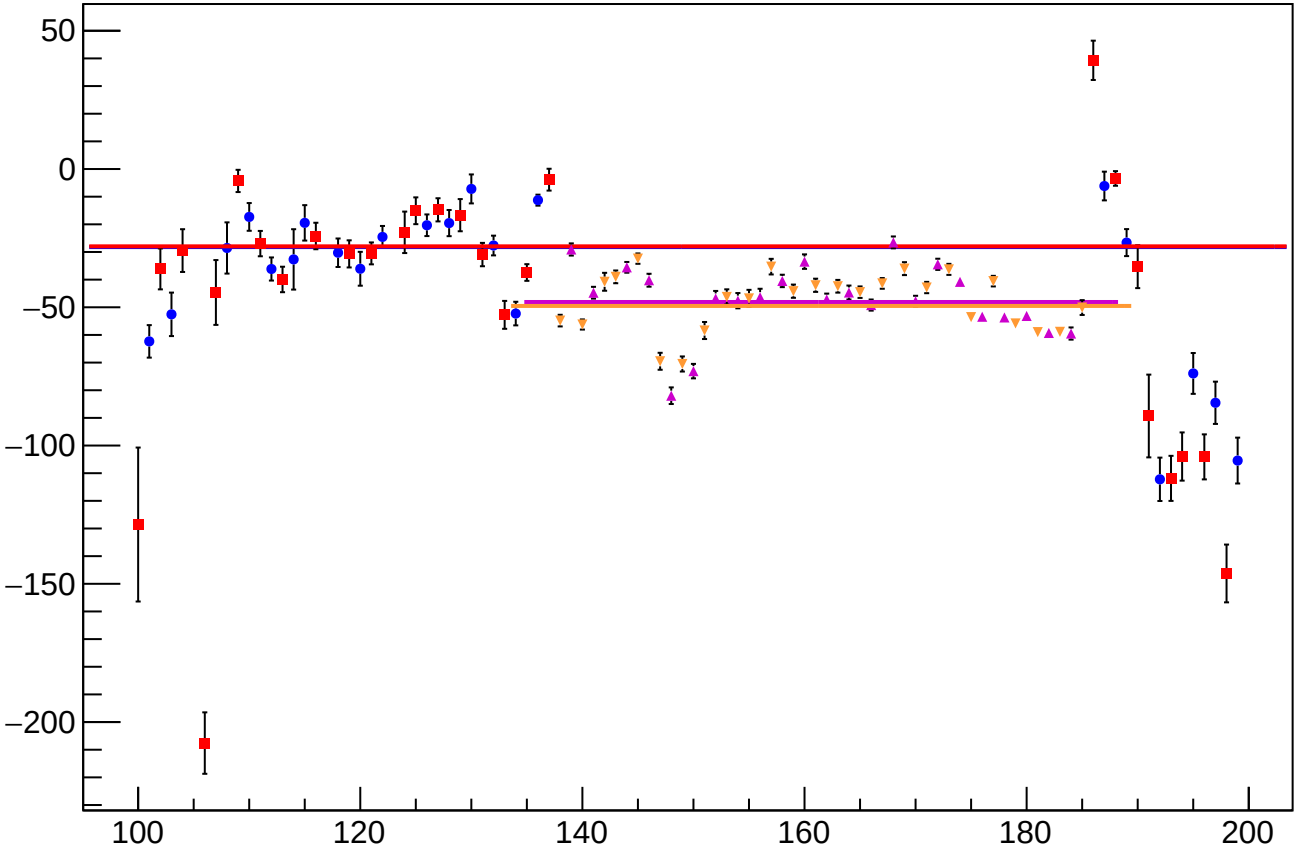
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.461+/-0.002 χ^2/NDF: 1616.6/46

All: 0.456+/-0.002 χ^2/NDF: 4122.9/96

- sign 0.450+/-0.003 χ^2/NDF: 2495.3/49

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -28.223+/-1.004 χ^2/NDF: 496.6/21

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -27.962+/-0.995 χ^2/NDF: 1004.6/26

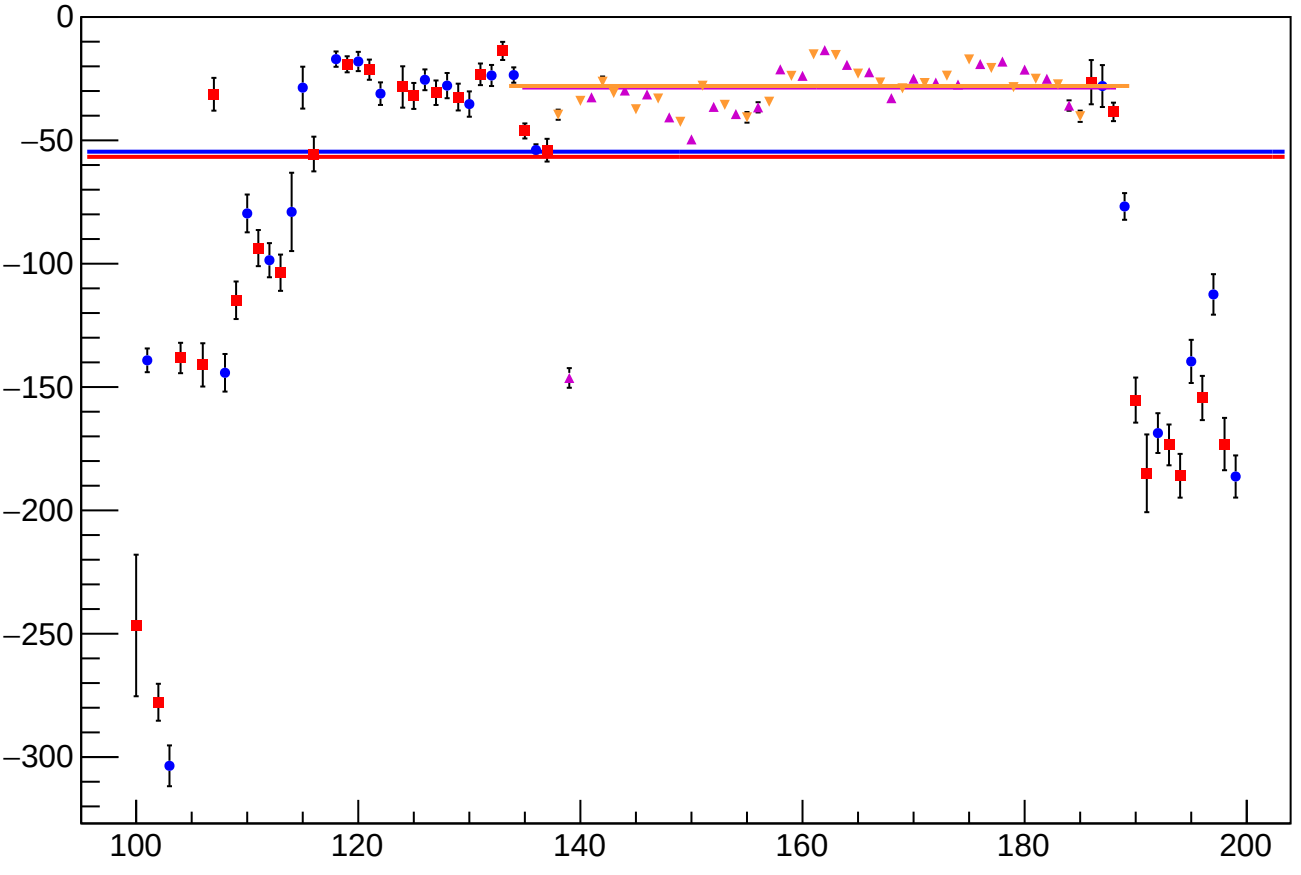
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.568+/-0.374 χ^2/NDF: 1460.6/46

All: -45.839+/-0.268 χ^2/NDF: 3526.9/96

- sign -45.062+/-0.386 χ^2/NDF: 2058.4/49

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -54.593+/-1.037 χ^2/NDF: 2524.2/21

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -56.690+/-1.076 χ^2/NDF: 2687.5/26

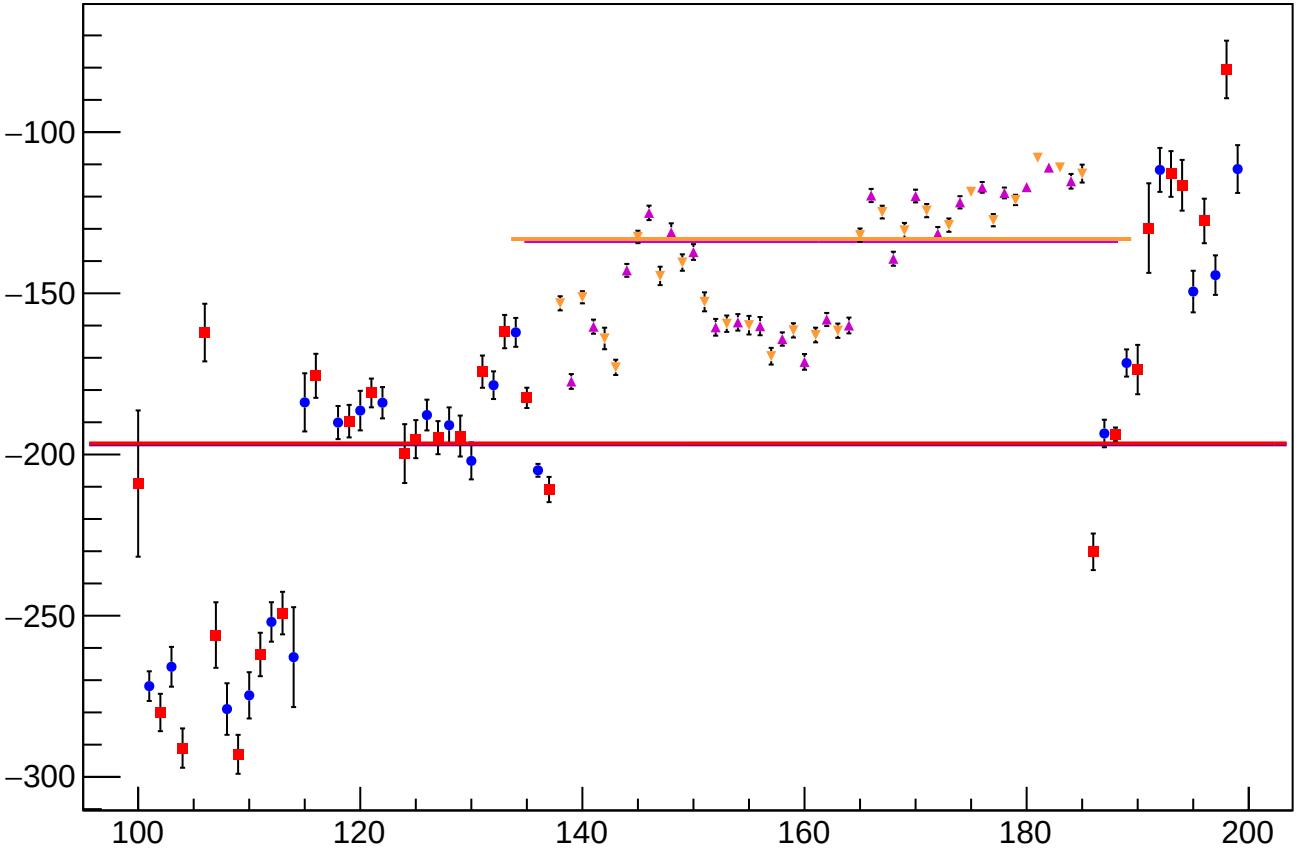
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -30.288+/-0.307 χ^2/NDF: 3624.0/46

All: -30.657+/-0.221 χ^2/NDF: 8417.2/96

- sign -31.056+/-0.319 χ^2/NDF: 4790.2/49

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -196.829+/-1.042 χ^2/NDF: 1278.8/21

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -196.571+/-1.024 χ^2/NDF: 1611.8/26

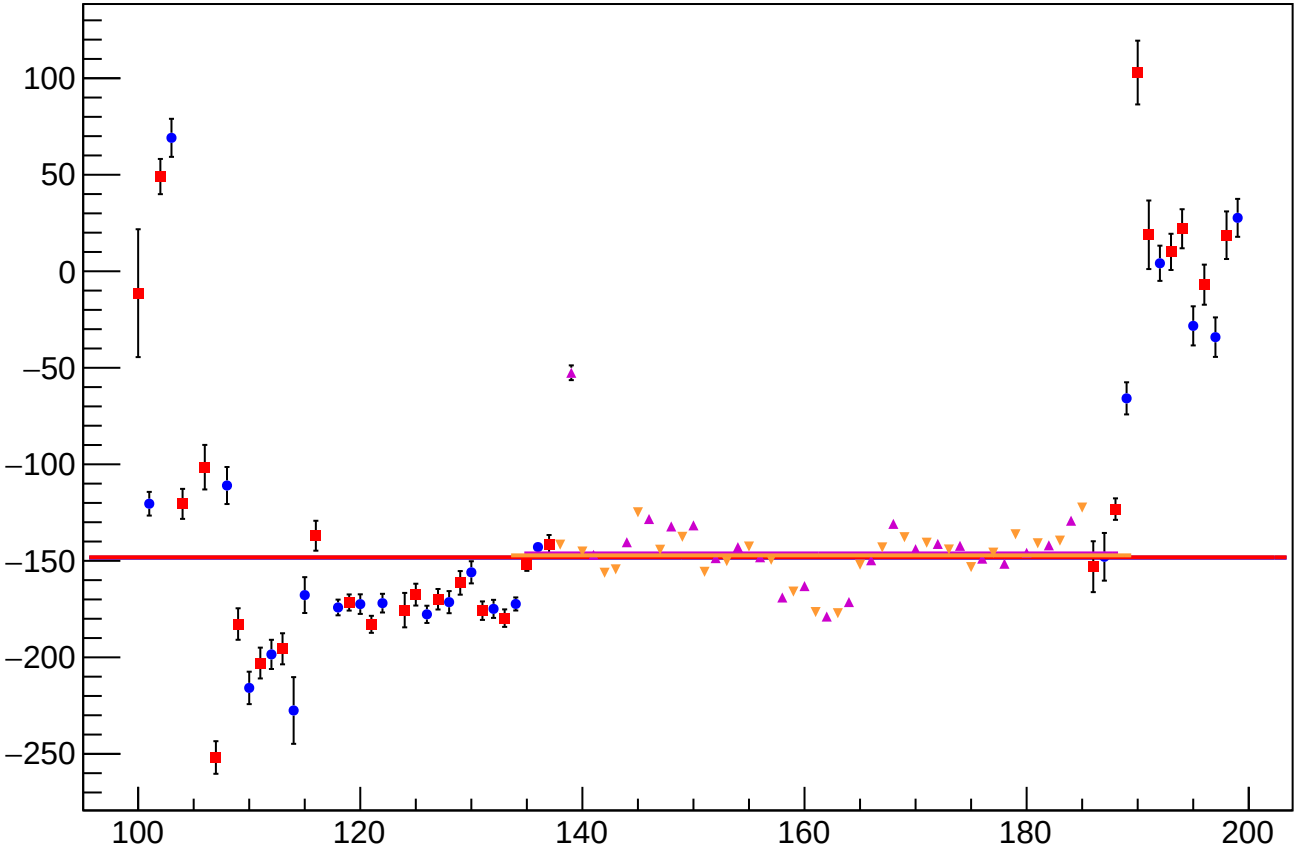
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.442+/-0.376 χ^2/NDF: 7059.7/46

All: -142.060+/-0.269 χ^2/NDF: 14344.6/96

- sign -142.712+/-0.386 χ^2/NDF: 7279.3/49

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -148.368+/-1.172 χ^2/NDF: 1855.7/21

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -148.171+/-1.238 χ^2/NDF: 2263.5/26

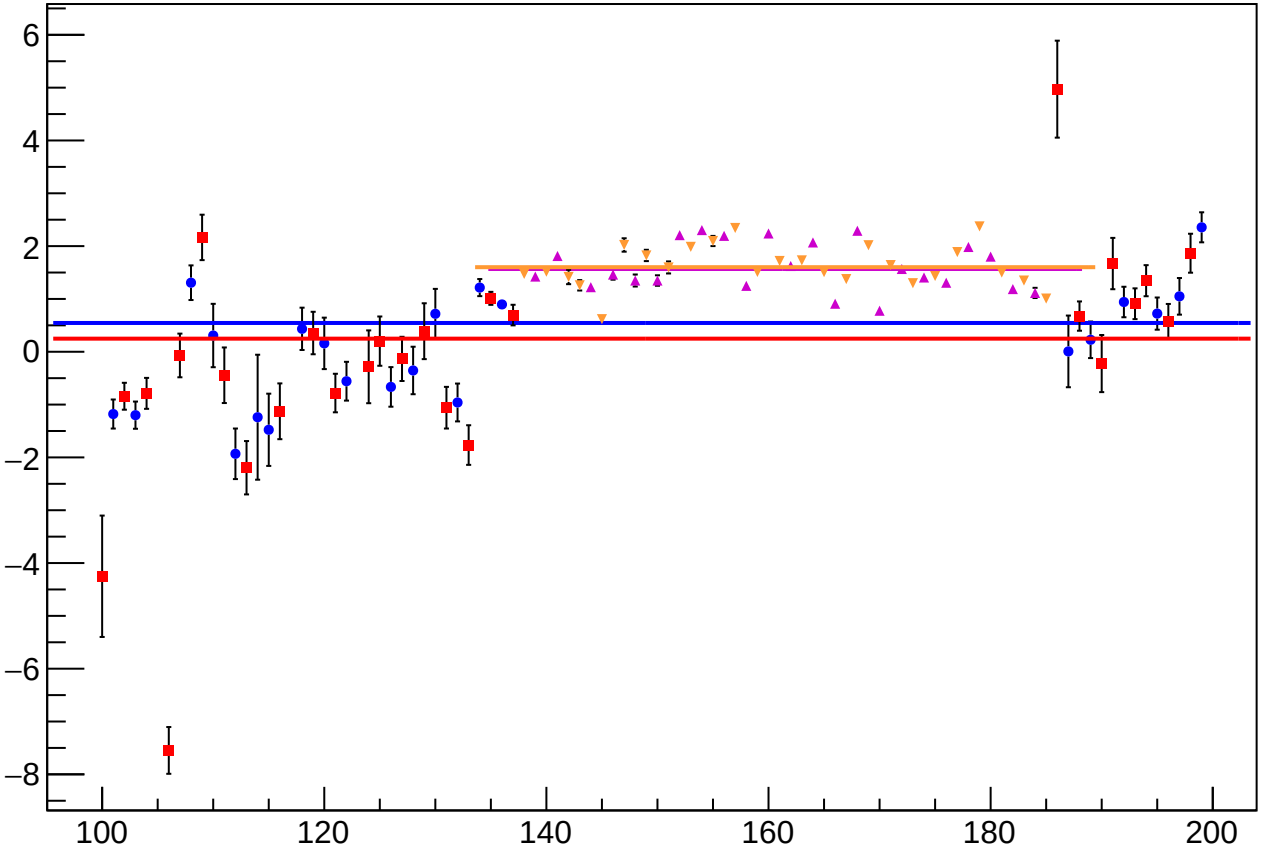
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.269+/-0.342 χ^2/NDF: 3102.3/46

All: -146.820+/-0.246 χ^2/NDF: 7165.5/96

- sign -146.337+/-0.355 χ^2/NDF: 4059.6/49

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.545+/-0.059 χ^2/NDF: 247.7/21

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.248+/-0.063 χ^2/NDF: 579.4/26

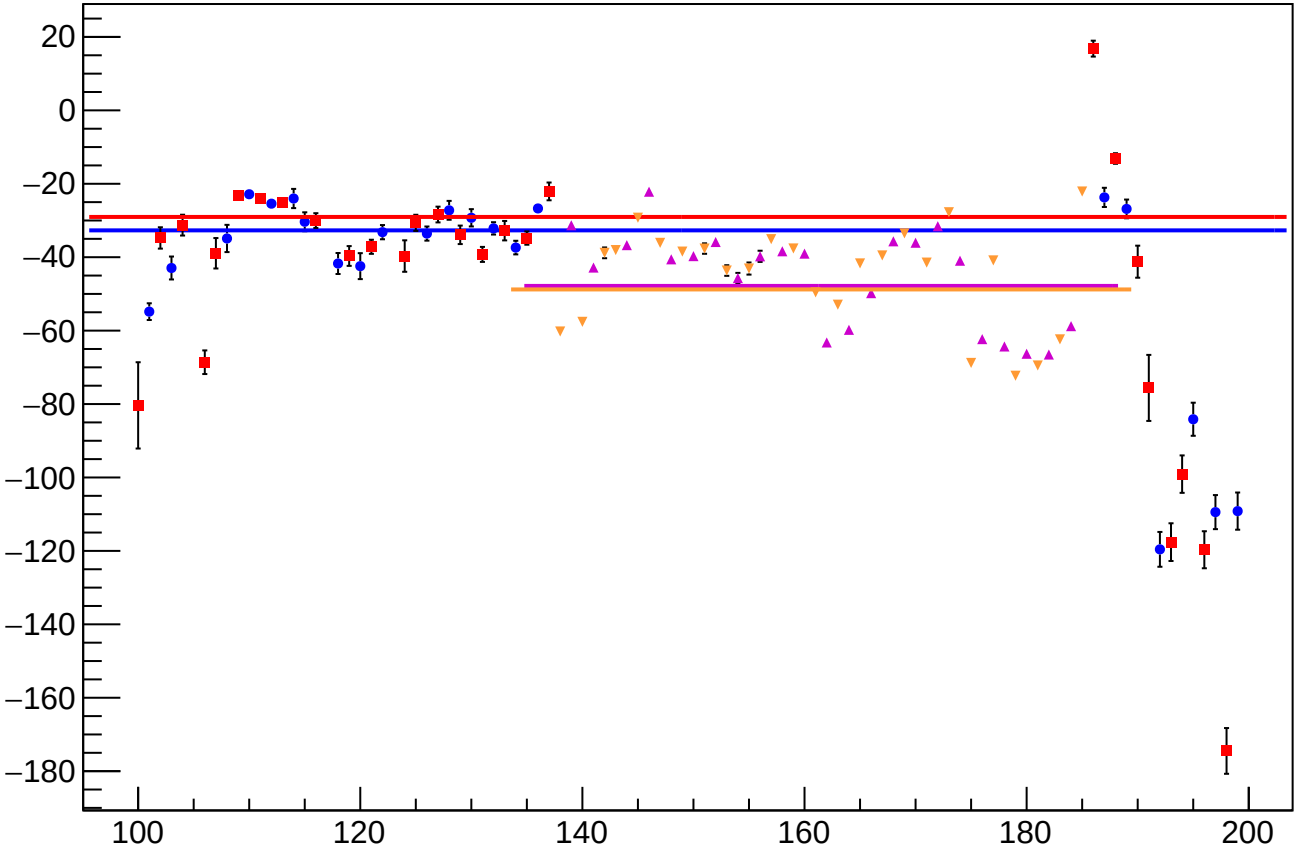
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.528+/-0.015 χ^2/NDF: 1132.4/46

All: 1.506+/-0.011 χ^2/NDF: 2863.5/96

- sign 1.483+/-0.016 χ^2/NDF: 1727.1/49

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -32.690+/-0.445 χ^2/NDF: 1263.5/21

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -29.031+/-0.414 χ^2/NDF: 2289.2/26

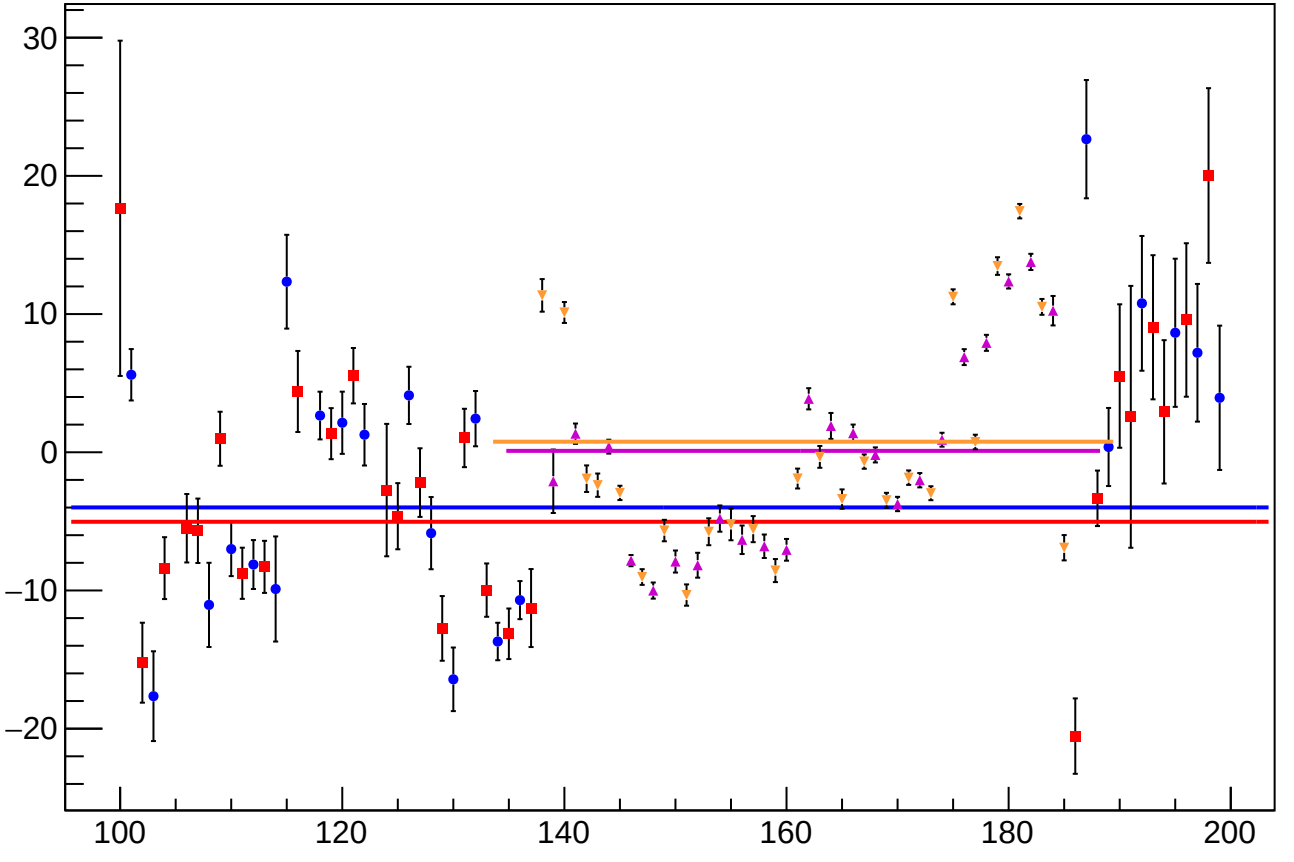
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.802+/-0.156 χ^2/NDF: 11363.7/46

All: -45.963+/-0.111 χ^2/NDF: 22696.0/96

- sign -45.113+/-0.157 χ^2/NDF: 11274.2/49

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.991+/-0.489 χ^2/NDF: 304.3/21

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.029+/-0.487 χ^2/NDF: 206.7/26

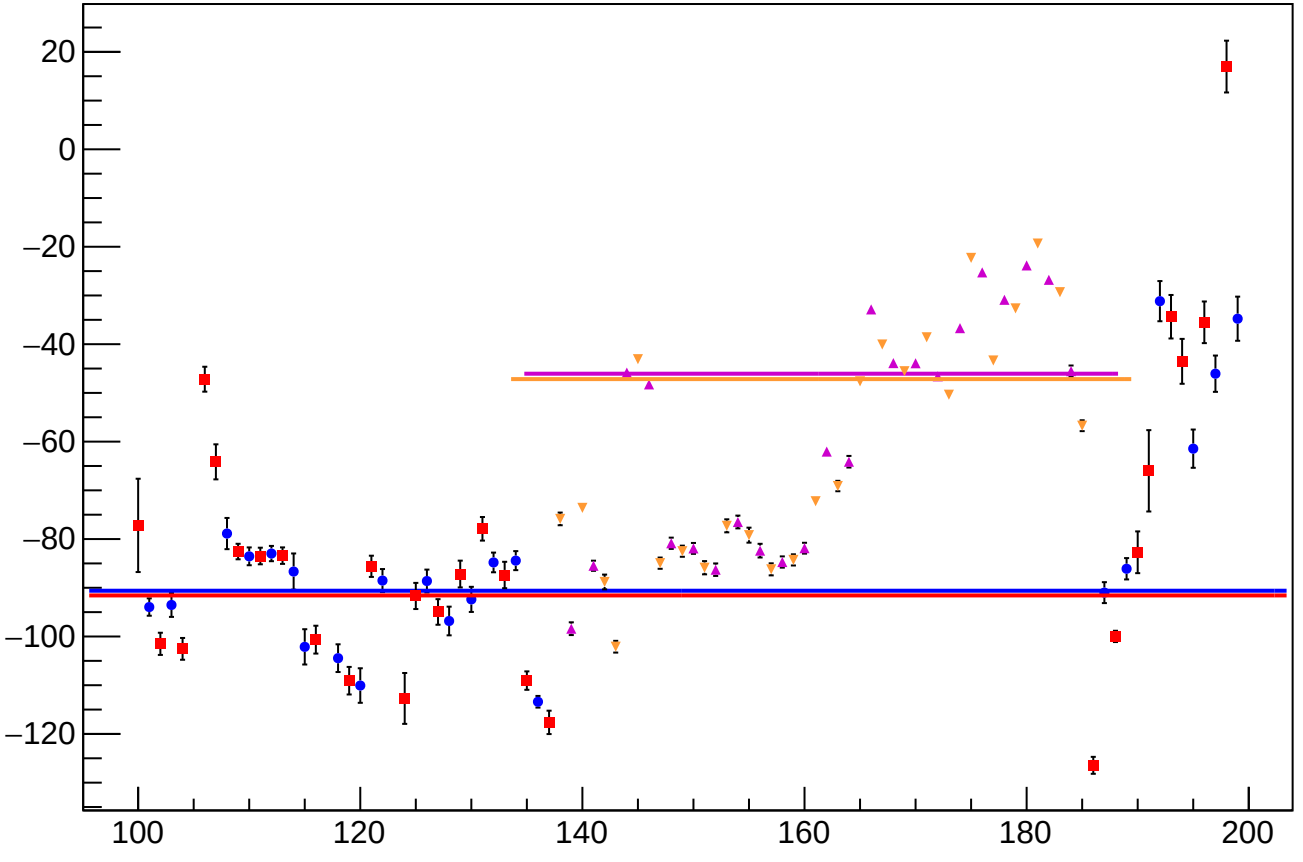
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.441+/-0.128 χ^2/NDF: 3859.8/46

All: 0.095+/-0.090 χ^2/NDF: 6906.1/96

- sign -0.253+/-0.128 χ^2/NDF: 3031.6/49

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -90.605+/-0.492 χ^2/NDF: 1071.7/21

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -91.571+/-0.460 χ^2/NDF: 2126.3/26

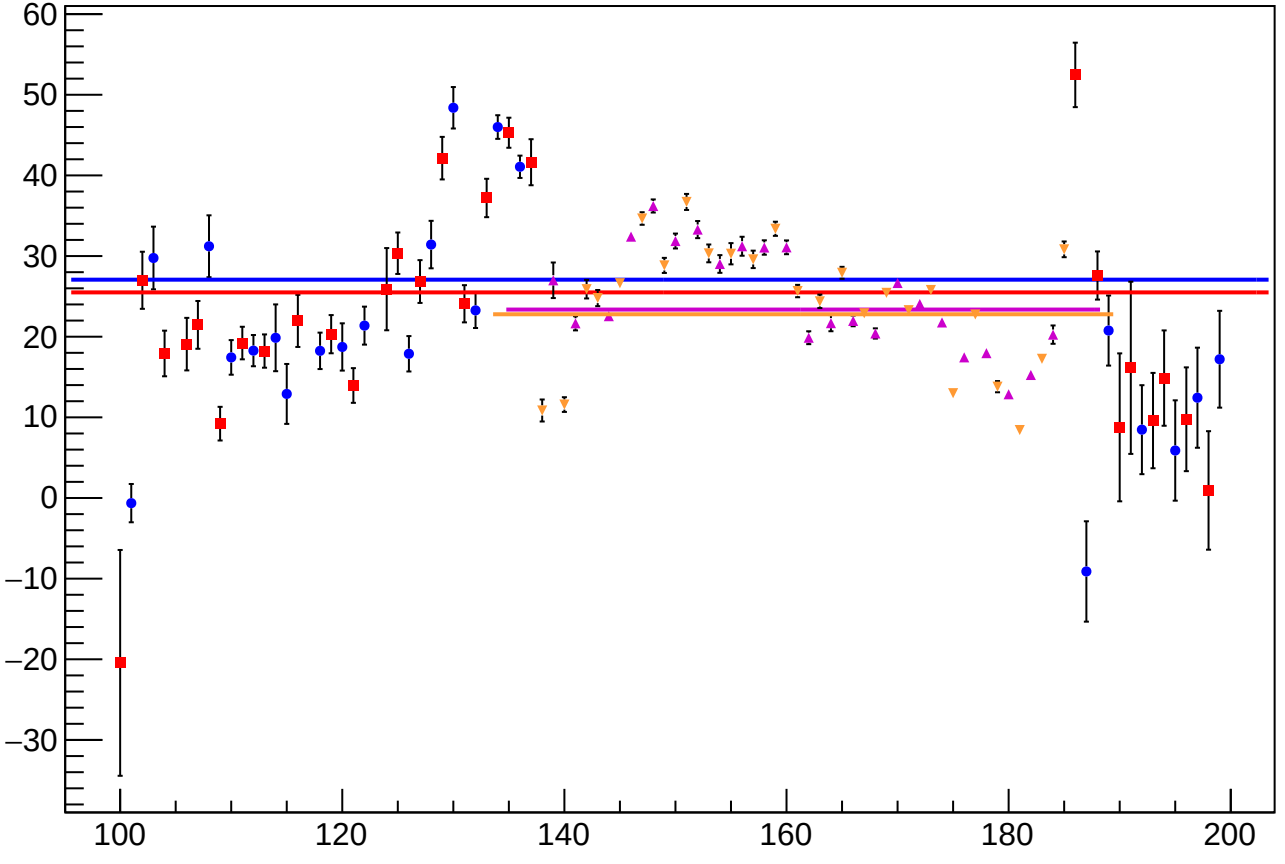
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.687+/-0.159 χ^2/NDF: 25723.7/46

All: -51.611+/-0.112 χ^2/NDF: 51228.0/96

- sign -51.534+/-0.160 χ^2/NDF: 25503.9/49

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 27.071+/-0.552 χ^2/NDF: 653.3/21

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.494+/-0.562 χ^2/NDF: 432.4/26

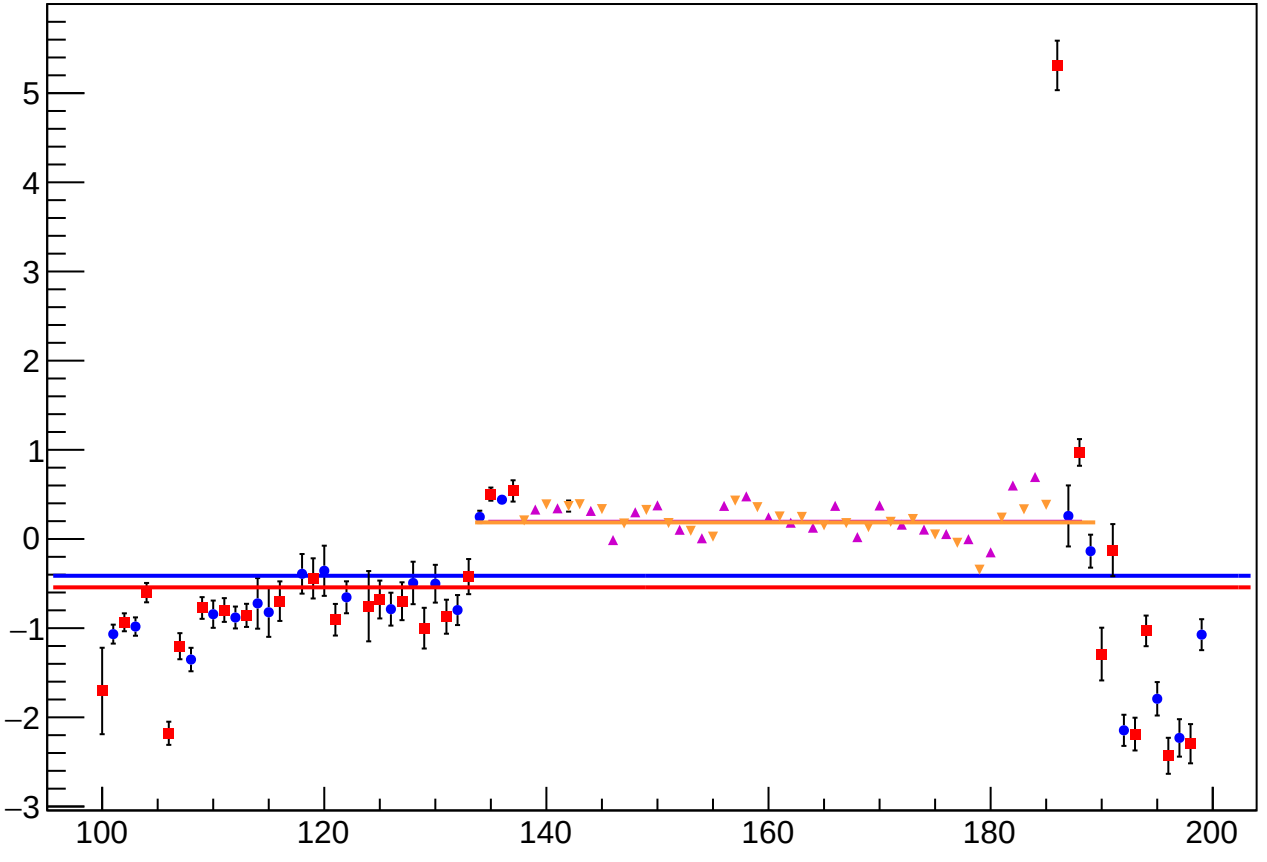
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

\+ sign 23.067+/-0.142 χ^2/NDF: 3122.6/46

All: 23.284+/-0.101 χ^2/NDF: 5358.4/96

\- sign 23.505+/-0.144 χ^2/NDF: 2231.1/49

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.413+/-0.029 χ^2/NDF: 723.6/21

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.542+/-0.030 χ^2/NDF: 1304.9/26

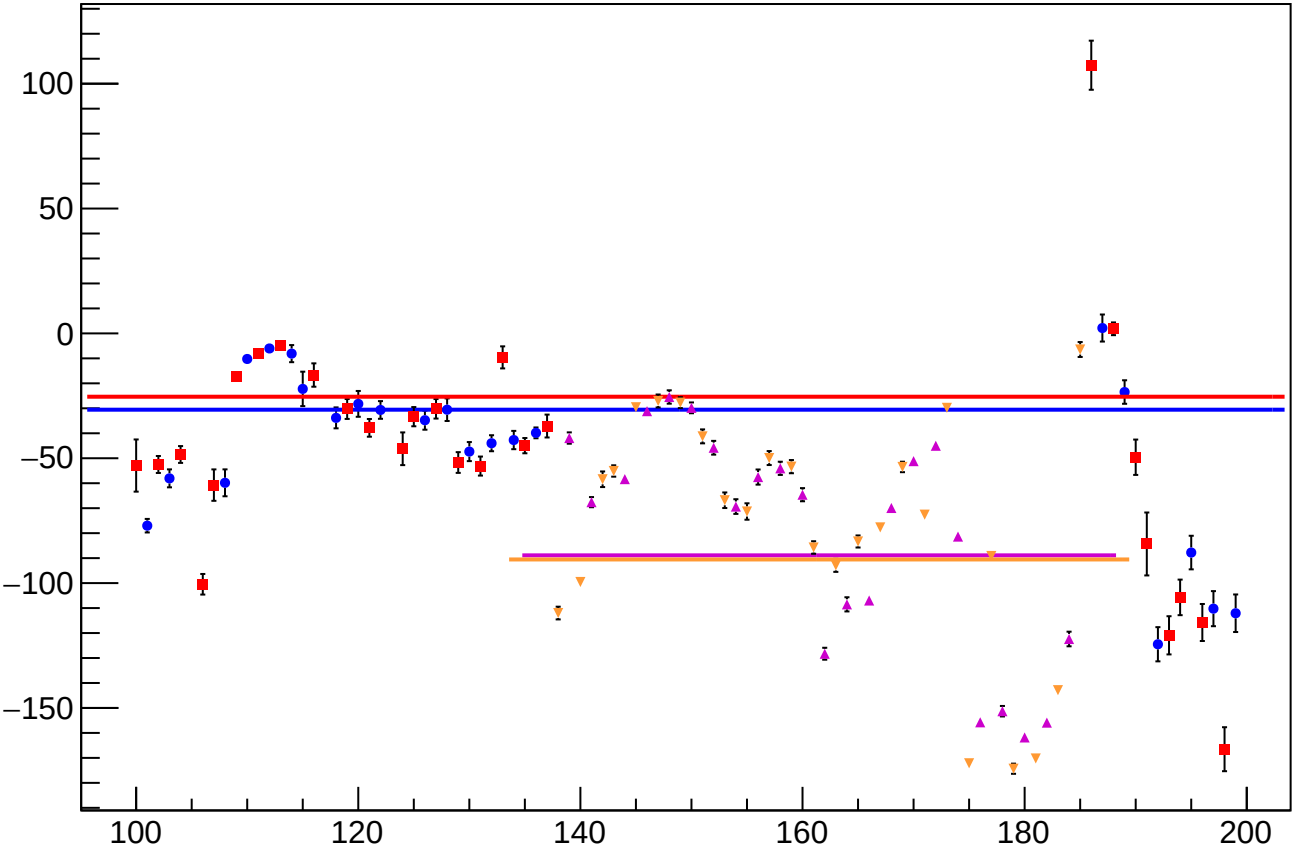
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.156+/-0.006 χ^2/NDF: 1784.8/46

All: 0.157+/-0.005 χ^2/NDF: 4603.1/96

- sign 0.158+/-0.007 χ^2/NDF: 2818.3/49

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -30.556+/-0.699 χ^2/NDF: 1452.6/21

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -25.358+/-0.628 χ^2/NDF: 2010.2/26

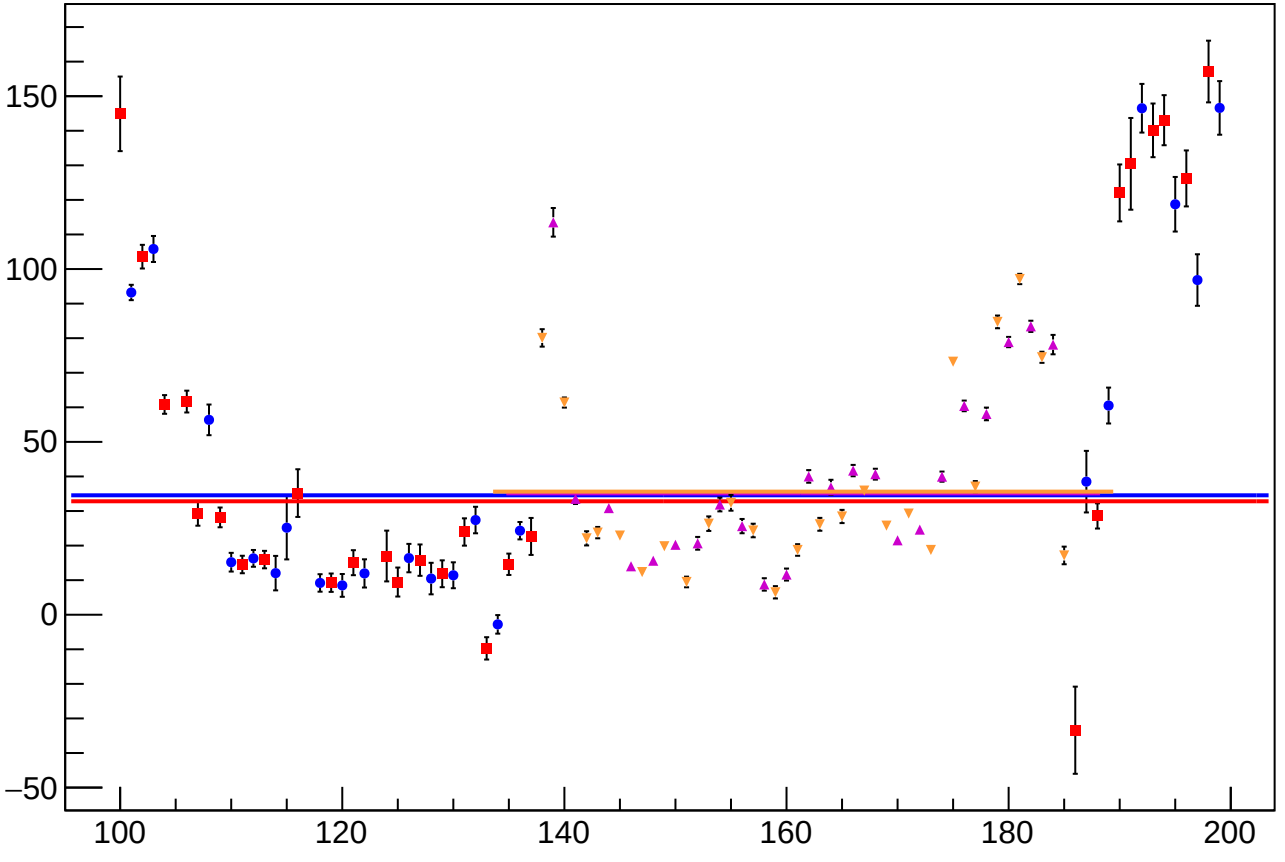
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.536+/-0.361 χ^2/NDF: 22217.7/46

All: -71.403+/-0.254 χ^2/NDF: 43110.9/96

- sign -68.330+/-0.357 χ^2/NDF: 20743.8/49

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 34.549+/-0.777 χ^2/NDF: 2373.7/21

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 32.818+/-0.758 χ^2/NDF: 2175.9/26

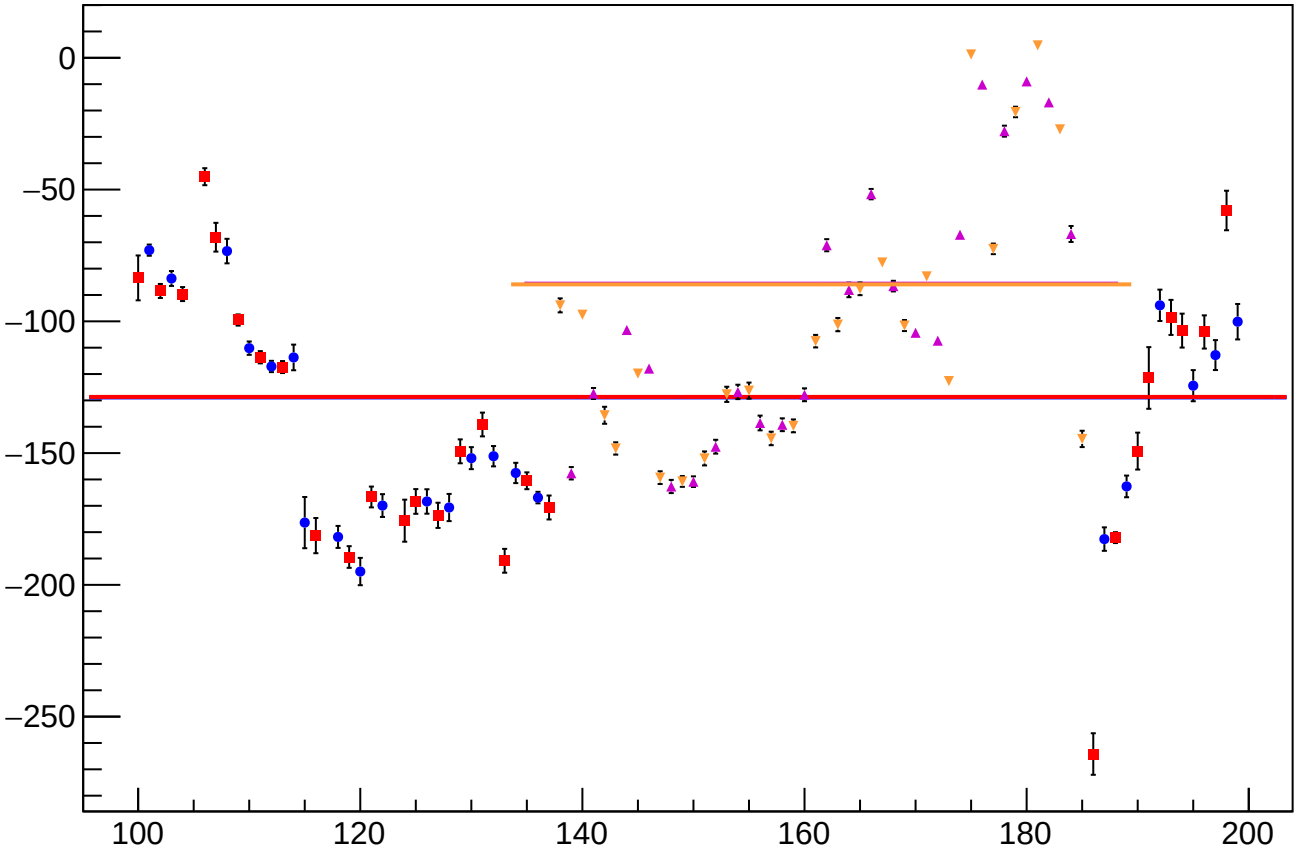
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.453+/-0.300 χ^2/NDF: 8348.3/46

All: 35.102+/-0.215 χ^2/NDF: 14679.0/96

- sign 34.734+/-0.307 χ^2/NDF: 6327.9/49

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -128.881+/-0.773 χ^2/NDF: 2456.7/21

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.679+/-0.718 χ^2/NDF: 3602.8/26

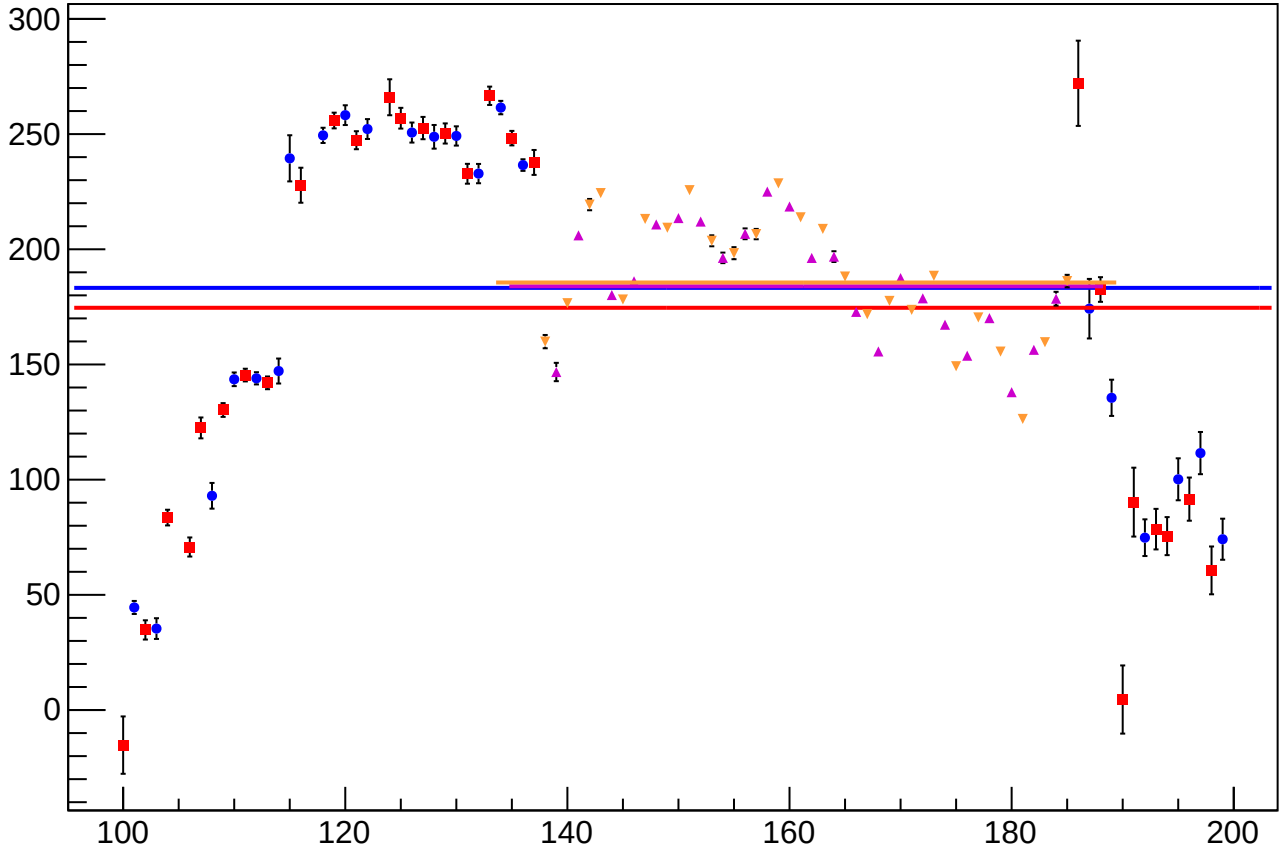
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.778+/-0.370 χ^2/NDF: 21066.2/46

All: -96.461+/-0.262 χ^2/NDF: 41063.5/96

- sign -97.147+/-0.370 χ^2/NDF: 19990.5/49

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.249+/-0.891 χ^2/NDF: 7663.5/21

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 174.607+/-0.874 χ^2/NDF: 7348.3/26

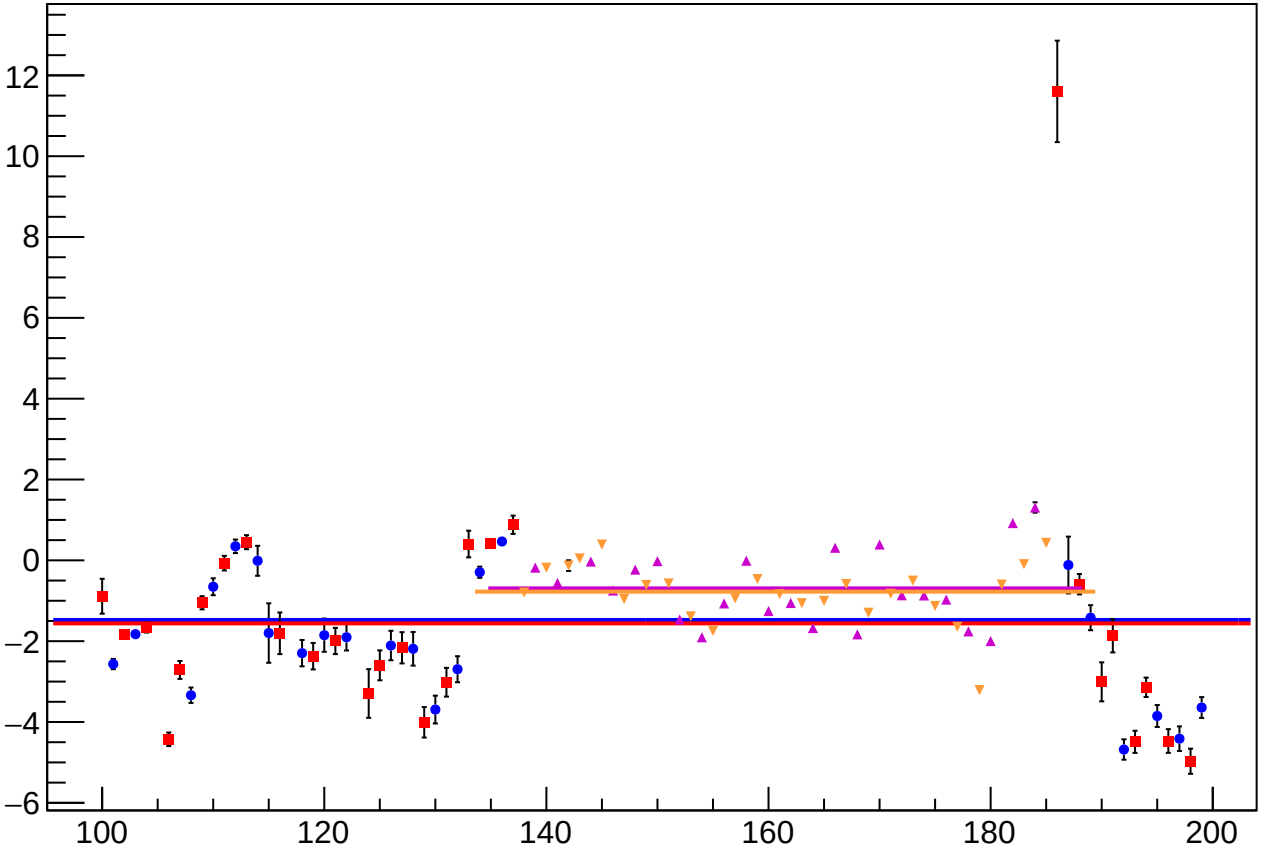
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.245+/-0.339 χ^2/NDF: 13024.1/46

All: 183.889+/-0.242 χ^2/NDF: 24374.6/96

- sign 182.473+/-0.347 χ^2/NDF: 11317.8/49

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.475+/-0.045 χ^2/NDF: 1240.7/21

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.560+/-0.044 χ^2/NDF: 1541.8/26

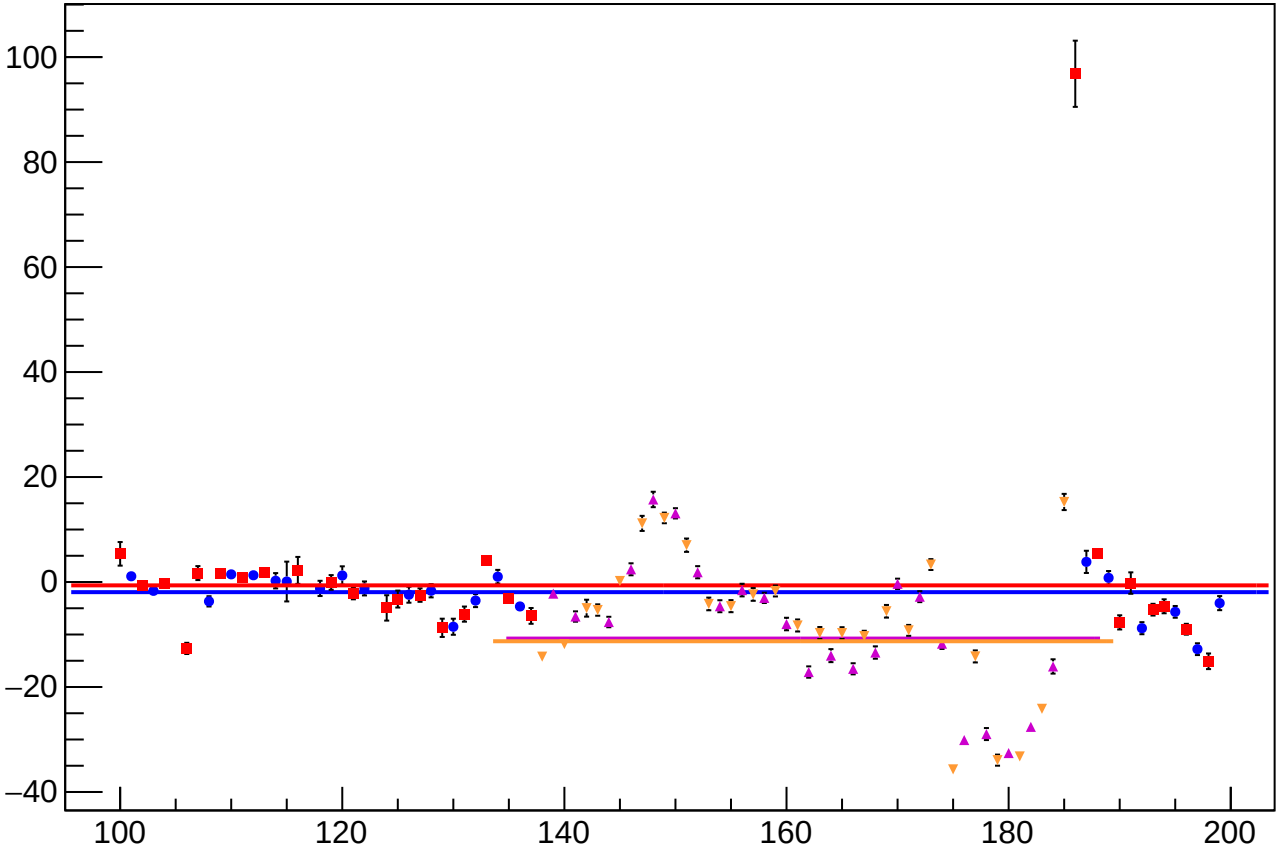
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.858+/-0.015 χ^2/NDF: 3280.6/46

All: -0.832+/-0.011 χ^2/NDF: 7736.0/96

- sign -0.805+/-0.016 χ^2/NDF: 4449.6/49

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.931+/-0.228 χ^2/NDF: 272.5/21

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.638+/-0.195 χ^2/NDF: 833.2/26

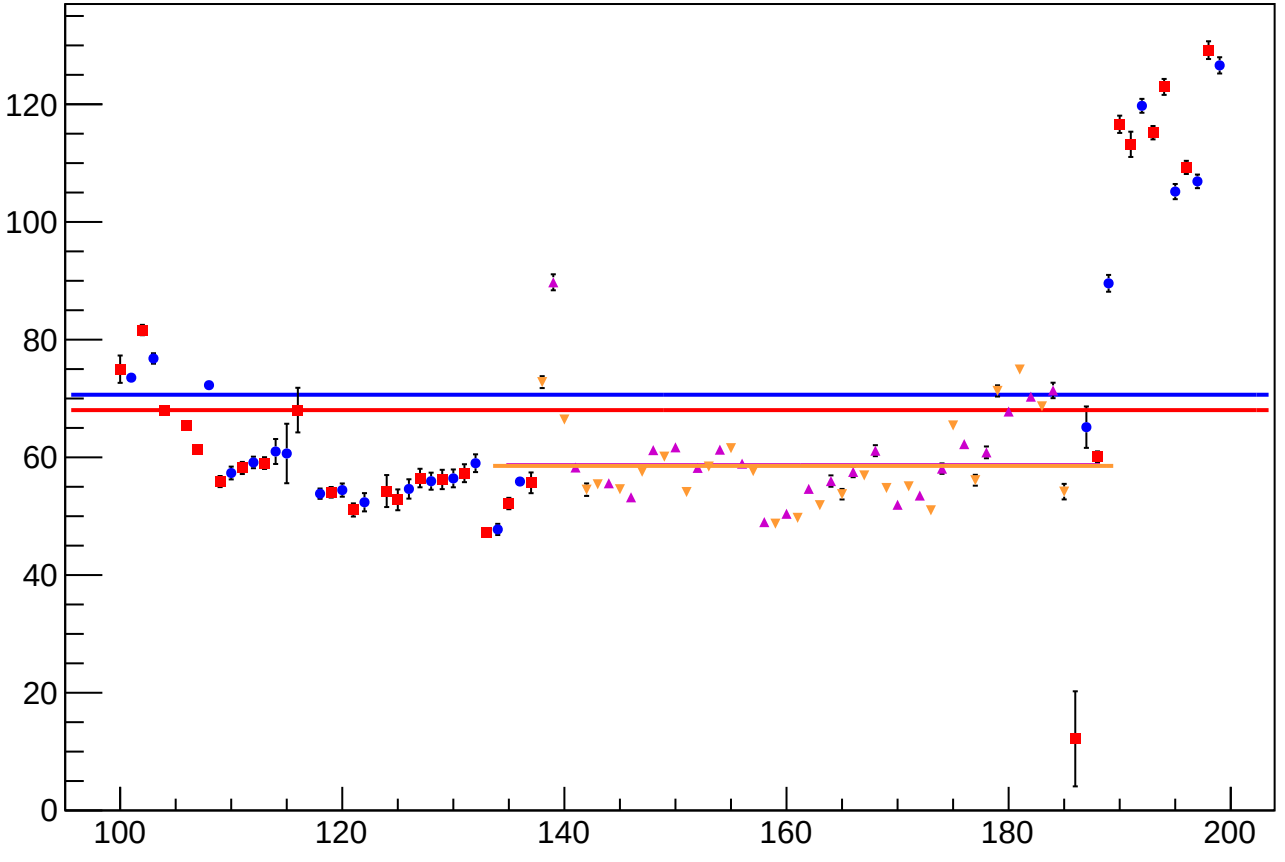
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -7.026+/-0.154 χ^2/NDF: 5693.3/46

All: -6.090+/-0.105 χ^2/NDF: 11523.1/96

- sign -5.264+/-0.144 χ^2/NDF: 5759.8/49

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 70.641+/-0.240 χ^2/NDF: 7591.3/21

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 68.027+/-0.217 χ^2/NDF: 10746.4/26

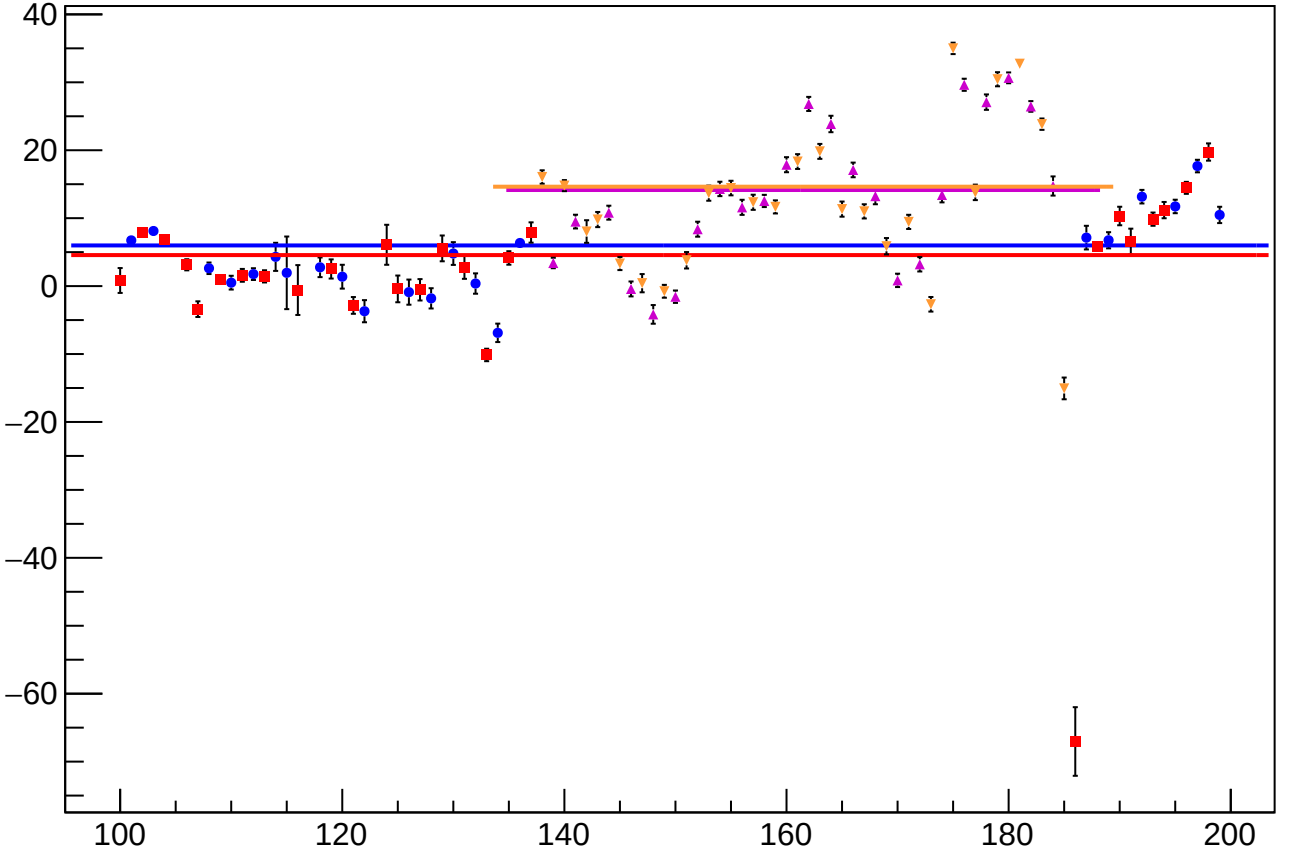
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 62.308+/-0.134 χ^2/NDF: 11243.1/46

All: 62.249+/-0.094 χ^2/NDF: 24761.5/96

- sign 62.191+/-0.133 χ^2/NDF: 13518.1/49

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 5.986+/-0.229 χ^2/NDF: 533.9/21

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 4.565+/-0.200 χ^2/NDF: 1013.9/26

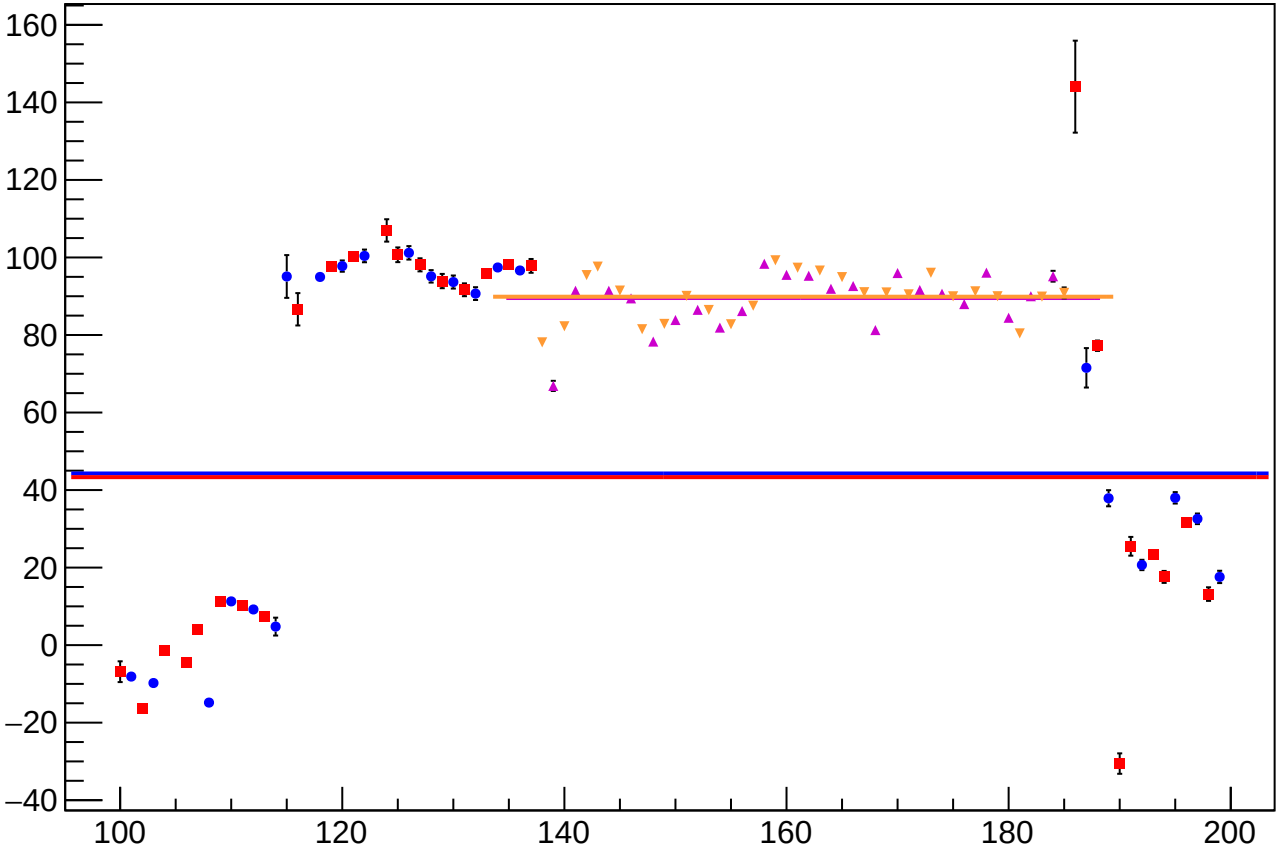
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.746+/-0.153 χ^2/NDF: 4283.1/46

All: 9.878+/-0.105 χ^2/NDF: 8982.6/96

- sign 9.098+/-0.145 χ^2/NDF: 4638.6/49

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.276+/-0.280 χ^2/NDF: 27716.8/21

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 43.329+/-0.257 χ^2/NDF: 31434.5/26

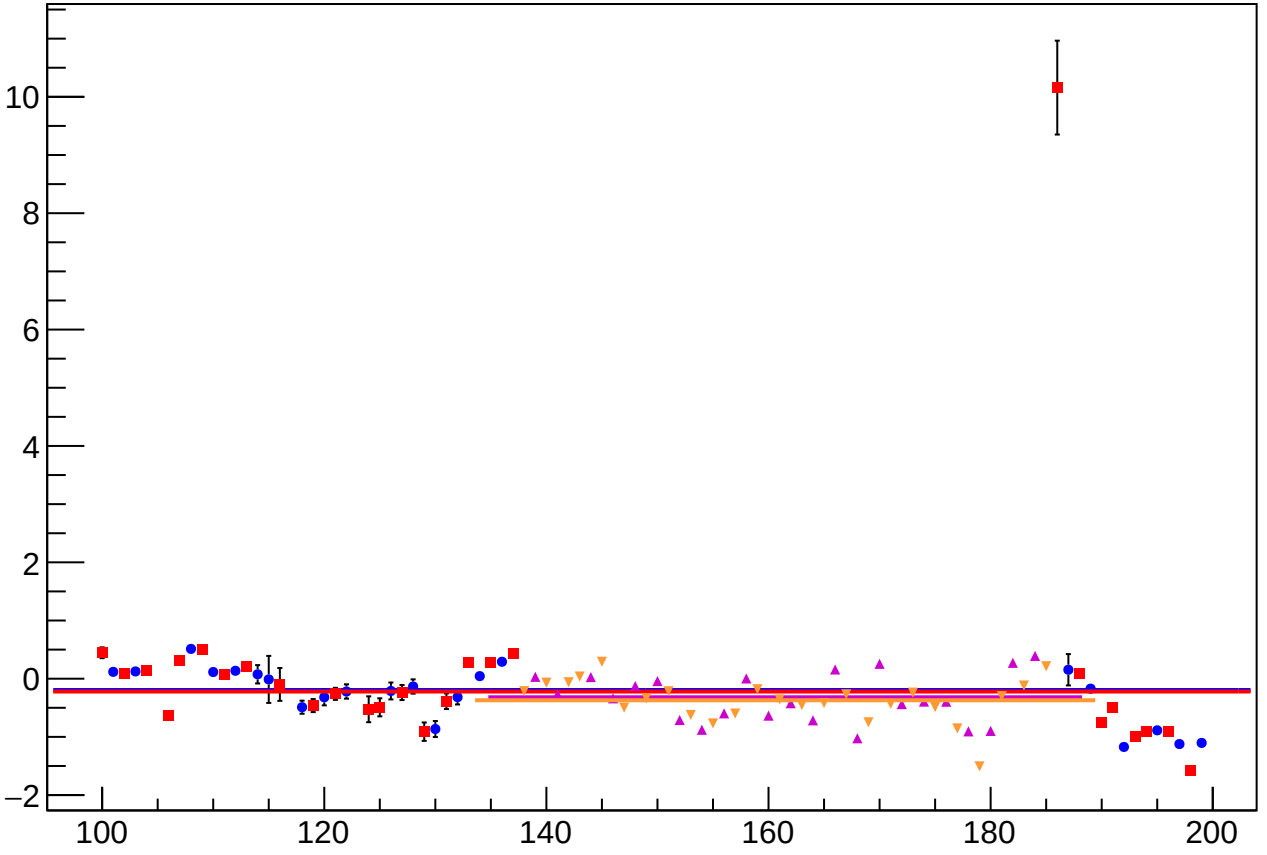
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 76.431+/-0.152 χ^2/NDF: 47489.1/46

All: 74.935+/-0.107 χ^2/NDF: 101353.9/96

- sign 73.451+/-0.151 χ^2/NDF: 53671.9/49

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.195+/-0.012 χ^2/NDF: 2585.3/21

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.220+/-0.011 χ^2/NDF: 2968.2/26

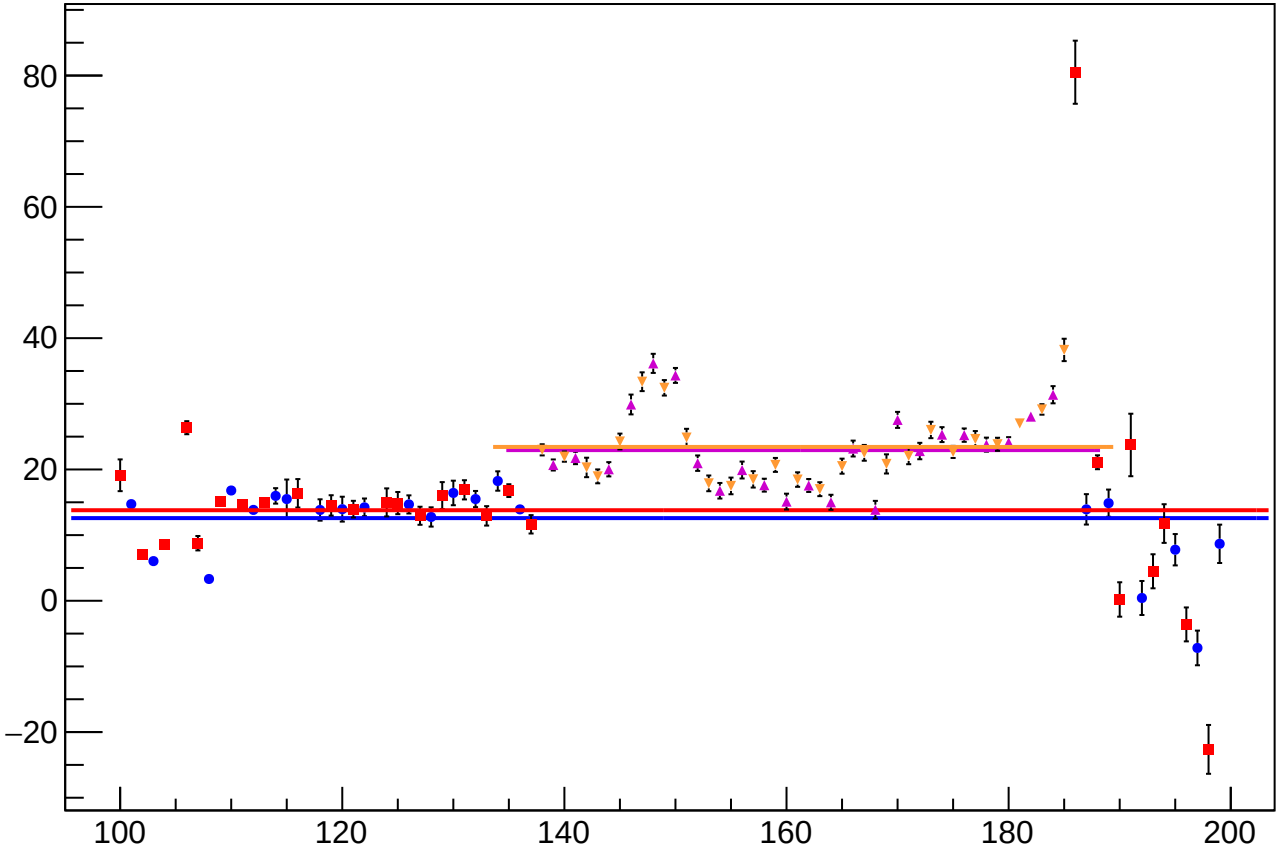
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.314+/-0.007 χ^2/NDF: 4508.2/46

All: -0.299+/-0.005 χ^2/NDF: 9980.5/96

- sign -0.284+/-0.007 χ^2/NDF: 5462.0/49

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.590+/-0.209 χ^2/NDF: 474.8/21

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.792+/-0.198 χ^2/NDF: 830.1/26

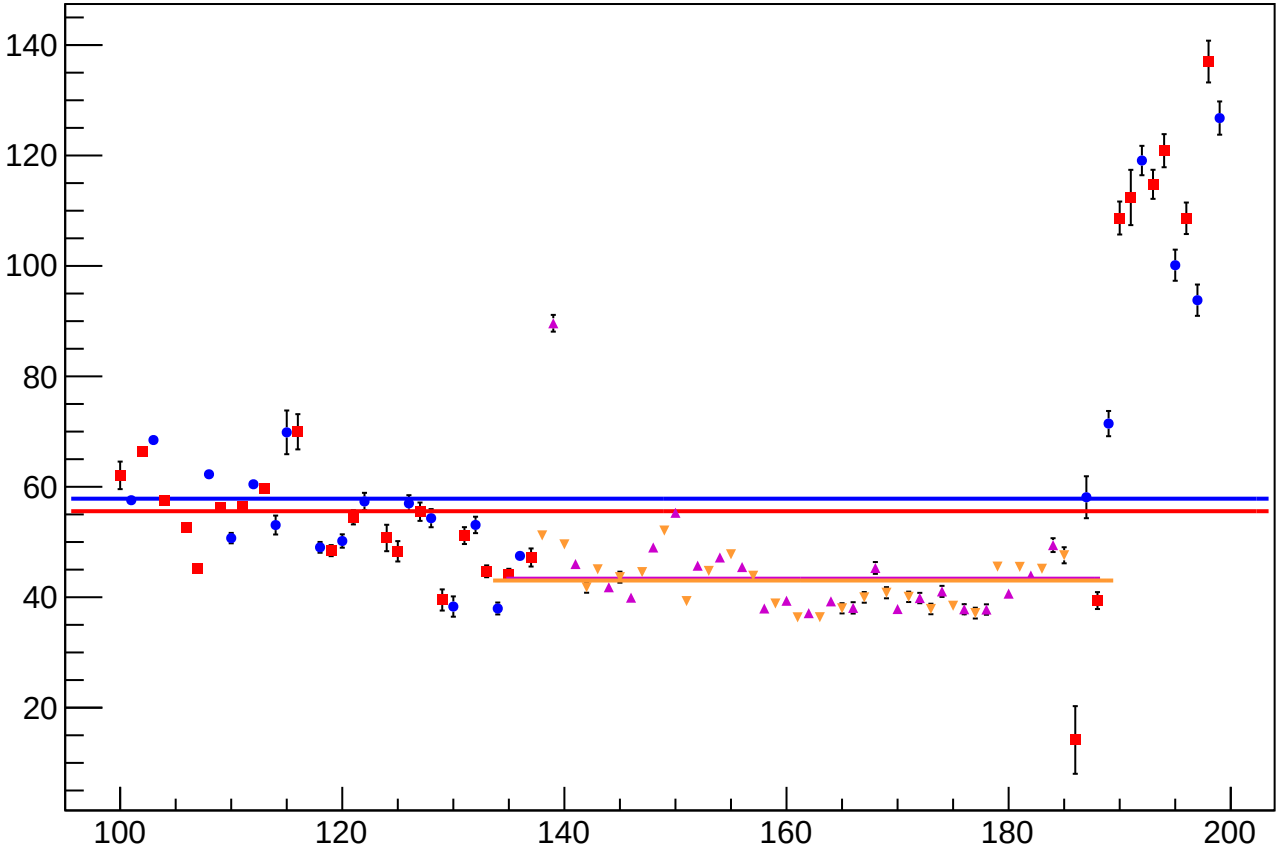
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.843+/-0.150 χ^2/NDF: 2202.8/46

All: 17.807+/-0.106 χ^2/NDF: 4531.6/96

- sign 17.772+/-0.149 χ^2/NDF: 2328.6/49

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 57.849+/-0.218 χ^2/NDF: 2603.5/21

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 55.580+/-0.219 χ^2/NDF: 3438.5/26

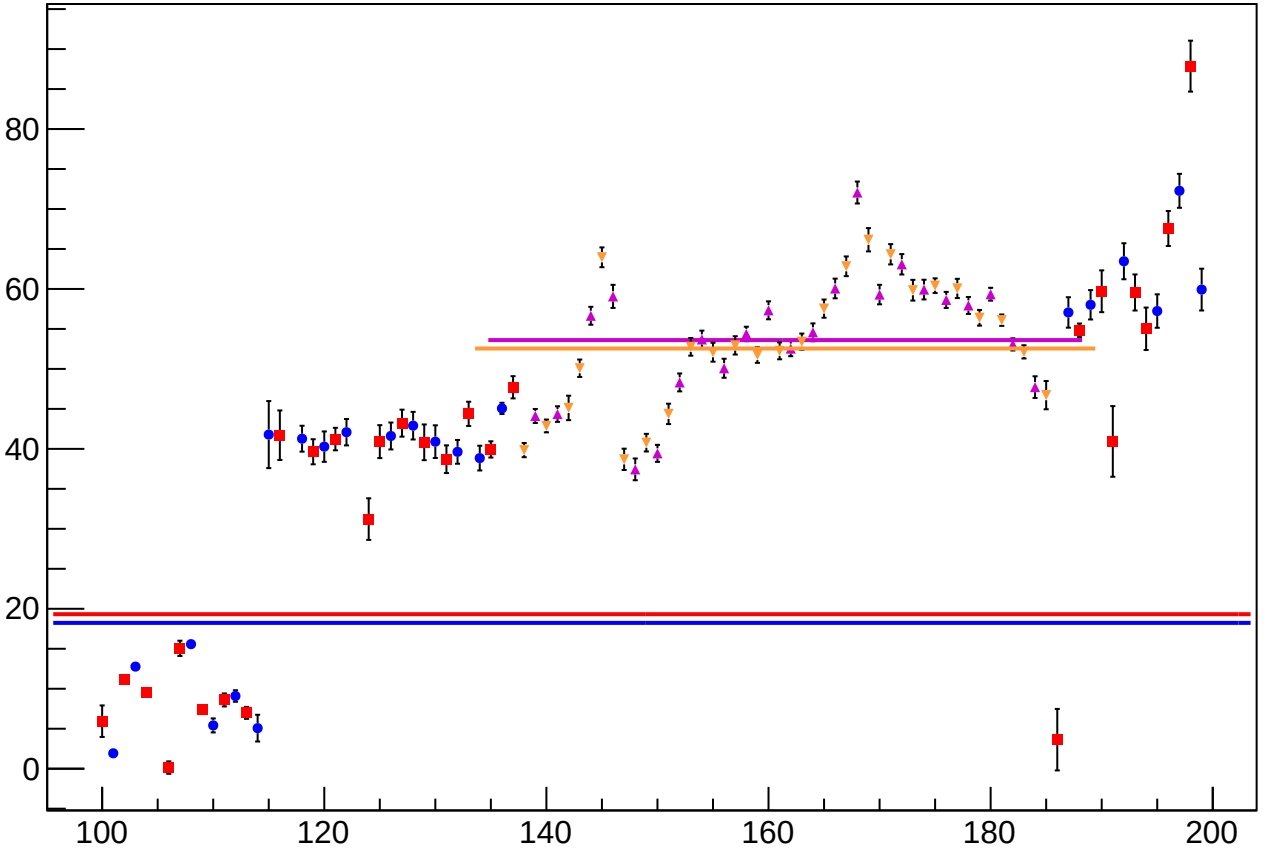
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.529+/-0.133 χ^2/NDF: 6296.7/46

All: 48.369+/-0.096 χ^2/NDF: 13306.0/96

- sign 48.196+/-0.138 χ^2/NDF: 7006.3/49

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 18.238+/-0.208 χ^2/NDF: 7871.7/21

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 19.323+/-0.208 χ^2/NDF: 7667.3/26

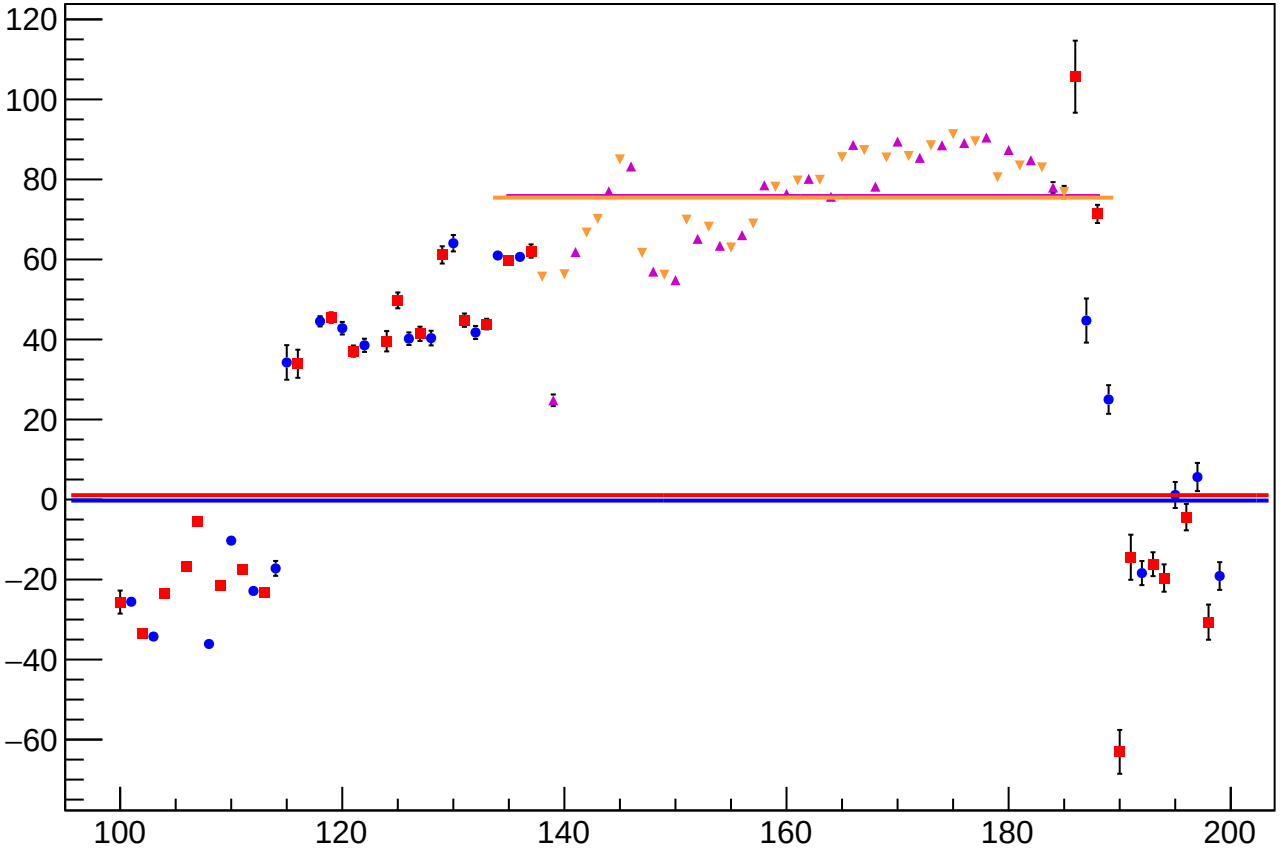
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.826+/-0.149 χ^2/NDF: 22265.7/46

All: 35.050+/-0.107 χ^2/NDF: 43595.4/96

- sign 35.283+/-0.152 χ^2/NDF: 21325.1/49

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.263+/-0.257 χ^2/NDF: 21216.3/21

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.081+/-0.258 χ^2/NDF: 17393.6/26

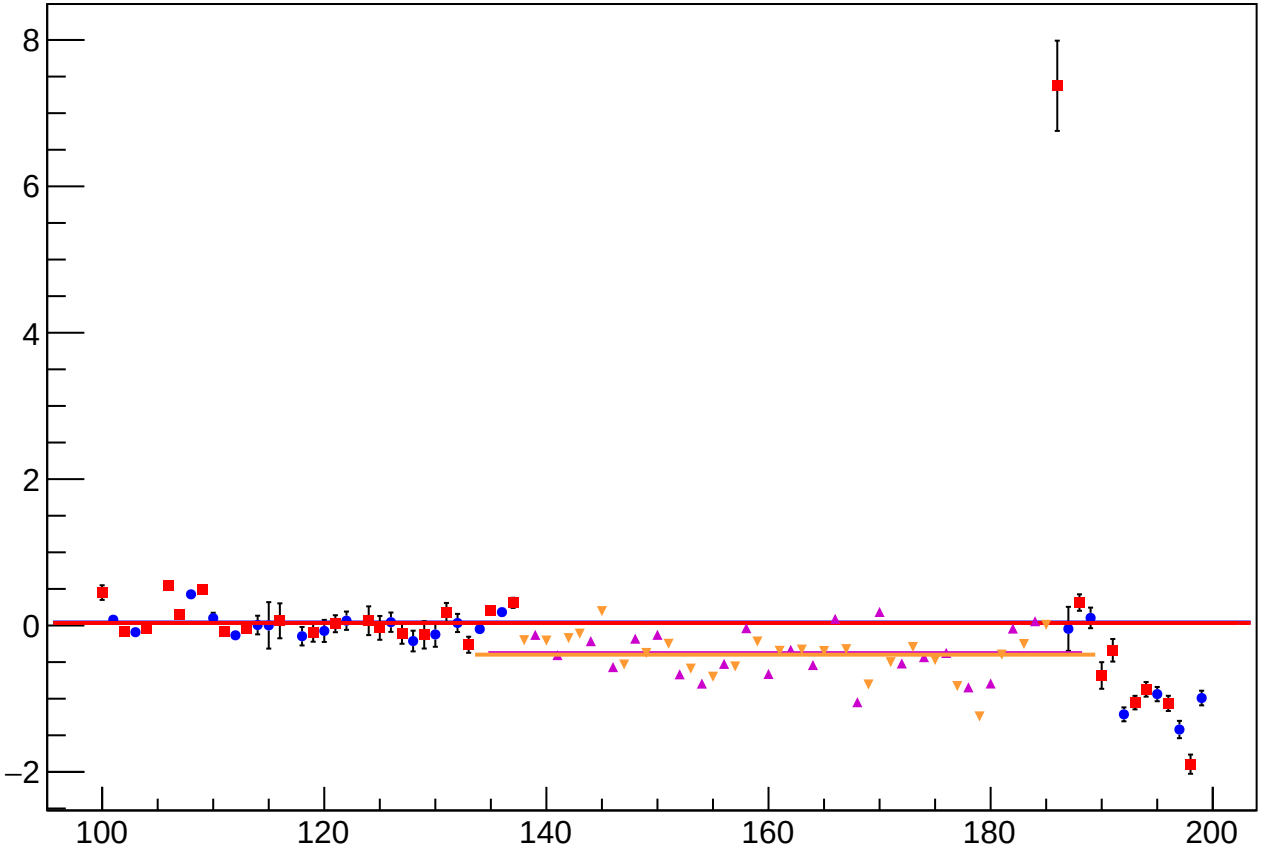
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.023+/-0.152 χ^2/NDF: 81086.3/46

All: 48.666+/-0.109 χ^2/NDF: 155704.6/96

- sign 48.287+/-0.157 χ^2/NDF: 74607.0/49

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.041+/-0.011 χ^2/NDF: 857.1/21

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.035+/-0.011 χ^2/NDF: 1142.3/26

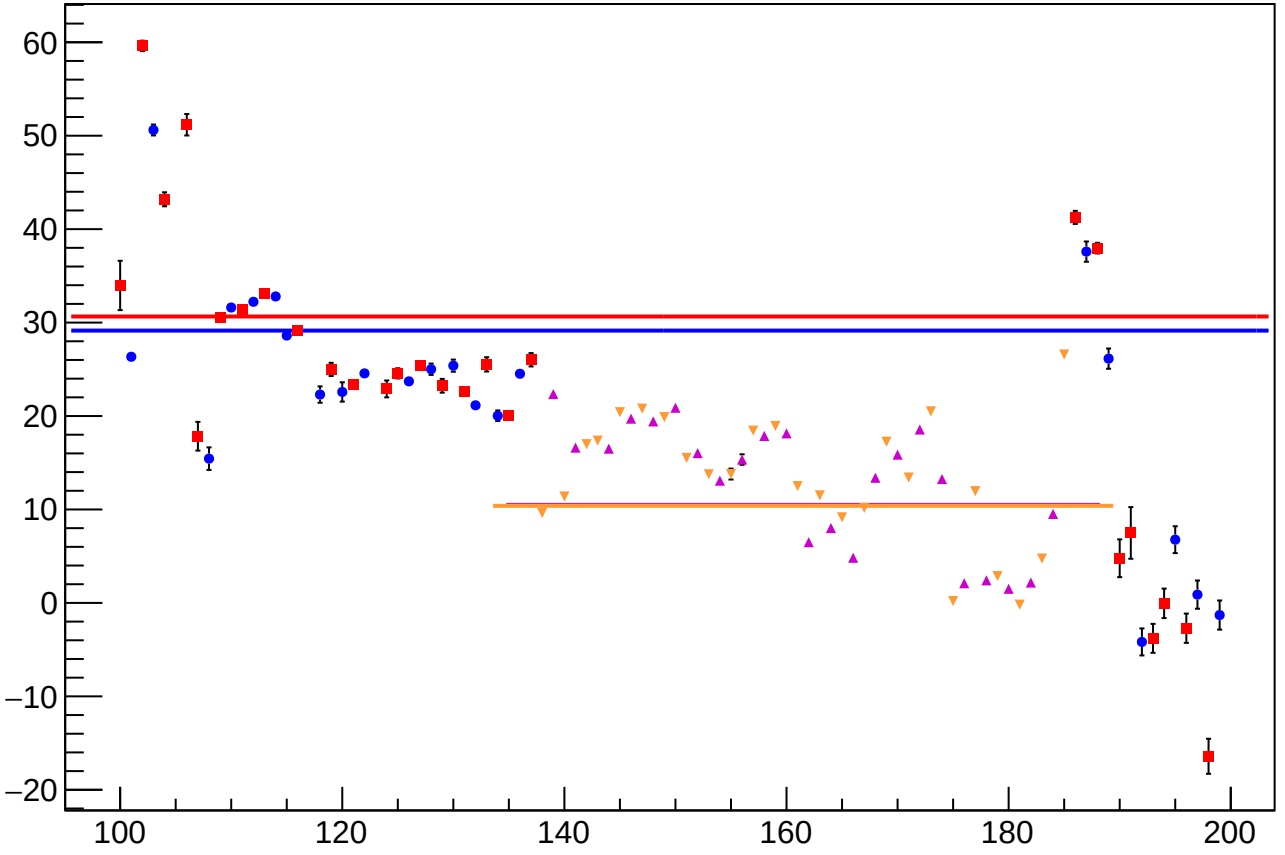
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.235+/-0.007 χ^2/NDF: 2903.7/46

All: -0.228+/-0.005 χ^2/NDF: 6270.2/96

- sign -0.222+/-0.007 χ^2/NDF: 3364.6/49

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.143+/-0.091 χ^2/NDF: 4965.3/21

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.652+/-0.078 χ^2/NDF: 7667.4/26

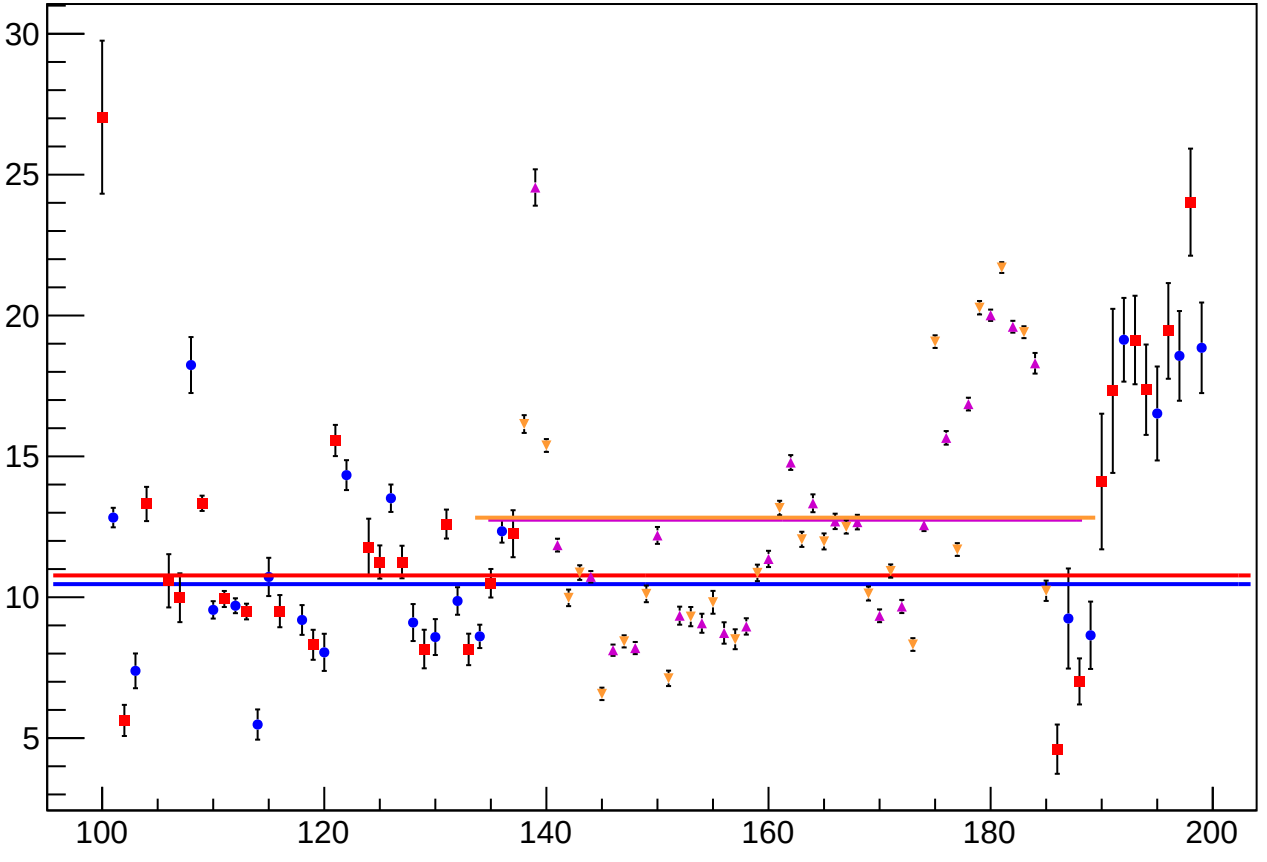
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.647+/-0.052 χ^2/NDF: 47296.5/46

All: 17.841+/-0.036 χ^2/NDF: 105799.4/96

- sign 18.966+/-0.051 χ^2/NDF: 57493.3/49

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.465+/-0.112 χ^2/NDF: 507.3/21

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.775+/-0.110 χ^2/NDF: 613.6/26

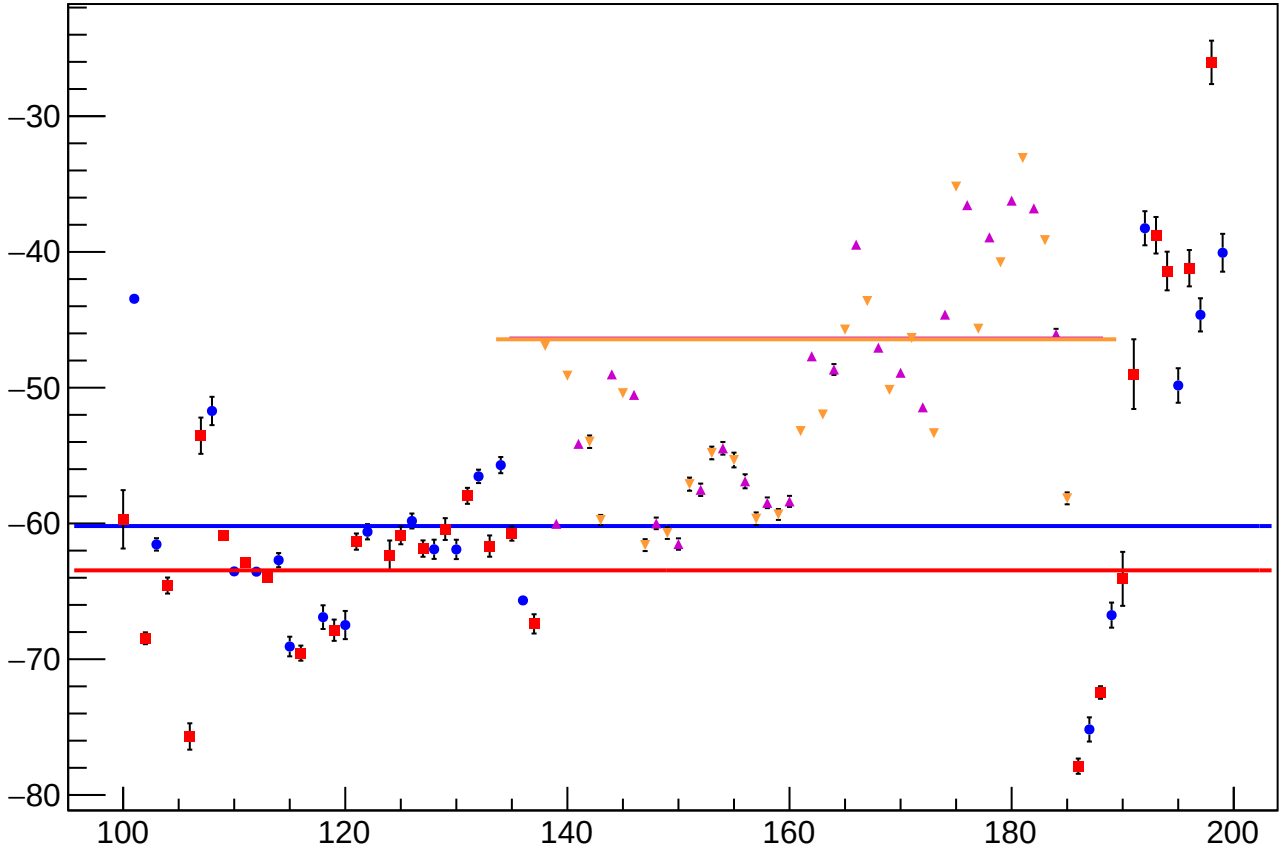
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.419+/-0.046 χ^2/NDF: 8890.8/46

All: 12.400+/-0.033 χ^2/NDF: 15270.7/96

- sign 12.379+/-0.048 χ^2/NDF: 6379.5/49

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.192+/-0.110 χ^2/NDF: 4674.4/21

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.455+/-0.101 χ^2/NDF: 3328.7/26

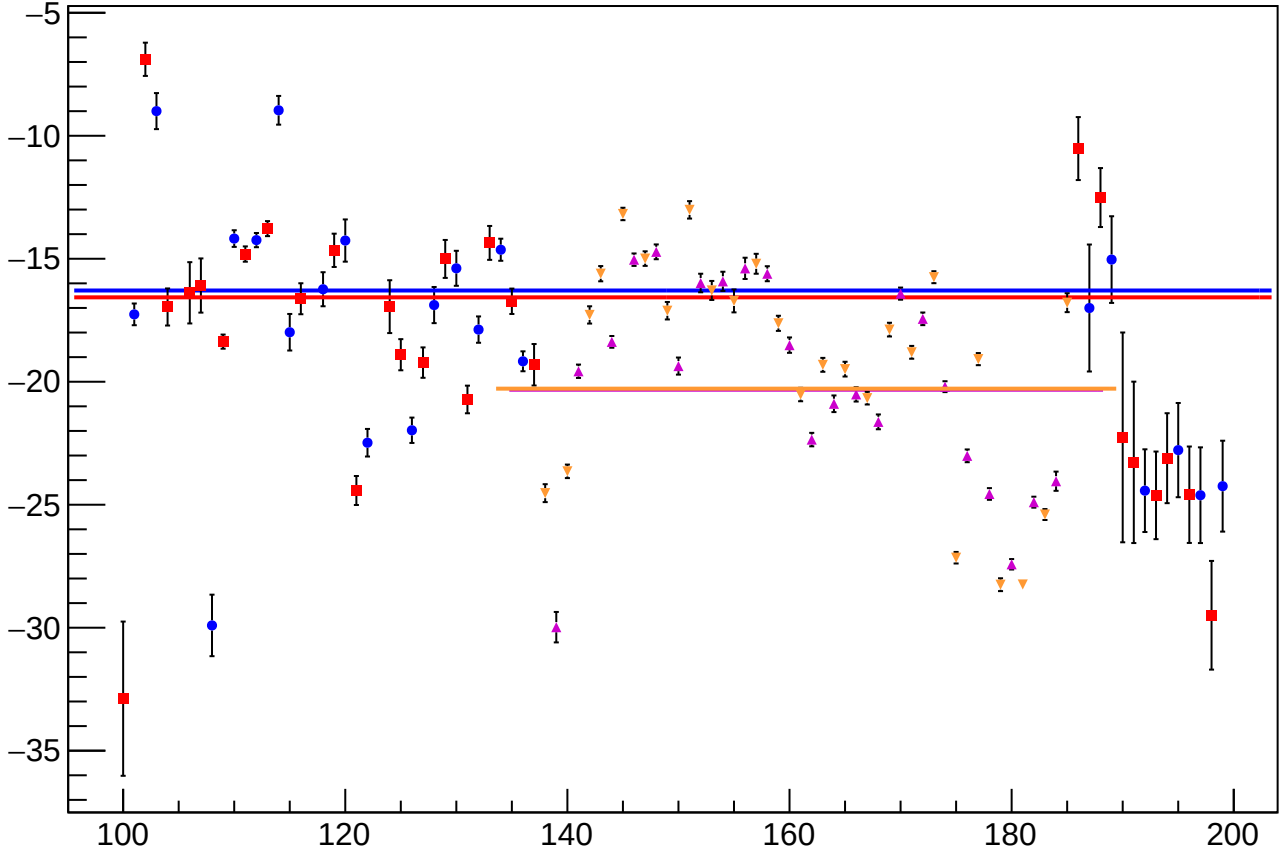
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.965+/-0.056 χ^2/NDF: 34545.5/46

All: -50.753+/-0.039 χ^2/NDF: 73116.6/96

- sign -51.547+/-0.056 χ^2/NDF: 38167.4/49

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.291+/-0.125 χ^2/NDF: 870.7/21

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.569+/-0.122 χ^2/NDF: 808.8/26

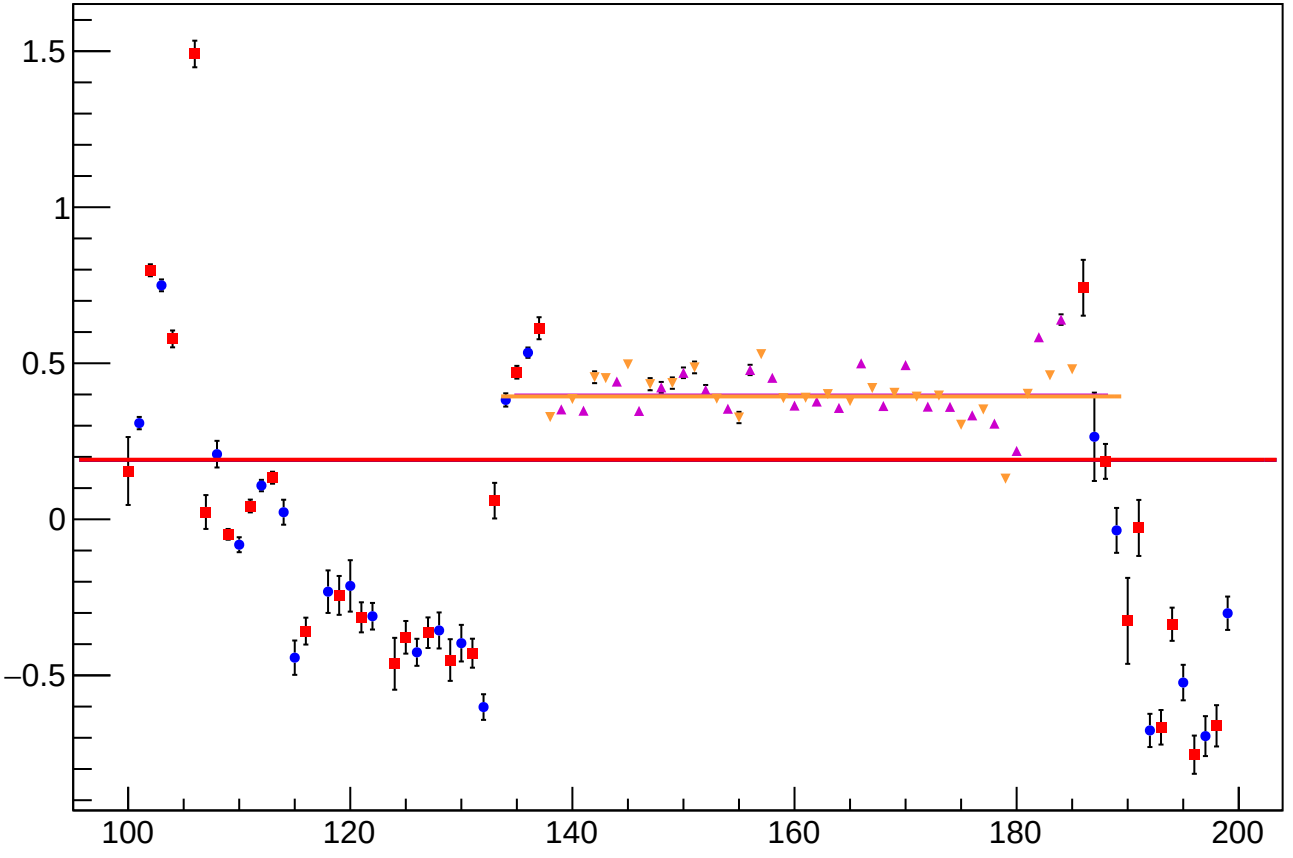
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.597+/-0.052 χ^2/NDF: 8728.0/46

All: -19.605+/-0.037 χ^2/NDF: 14574.6/96

- sign -19.613+/-0.053 χ^2/NDF: 5846.5/49

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.190+/-0.007 χ^2/NDF: 3386.6/21

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.191+/-0.007 χ^2/NDF: 4436.0/26

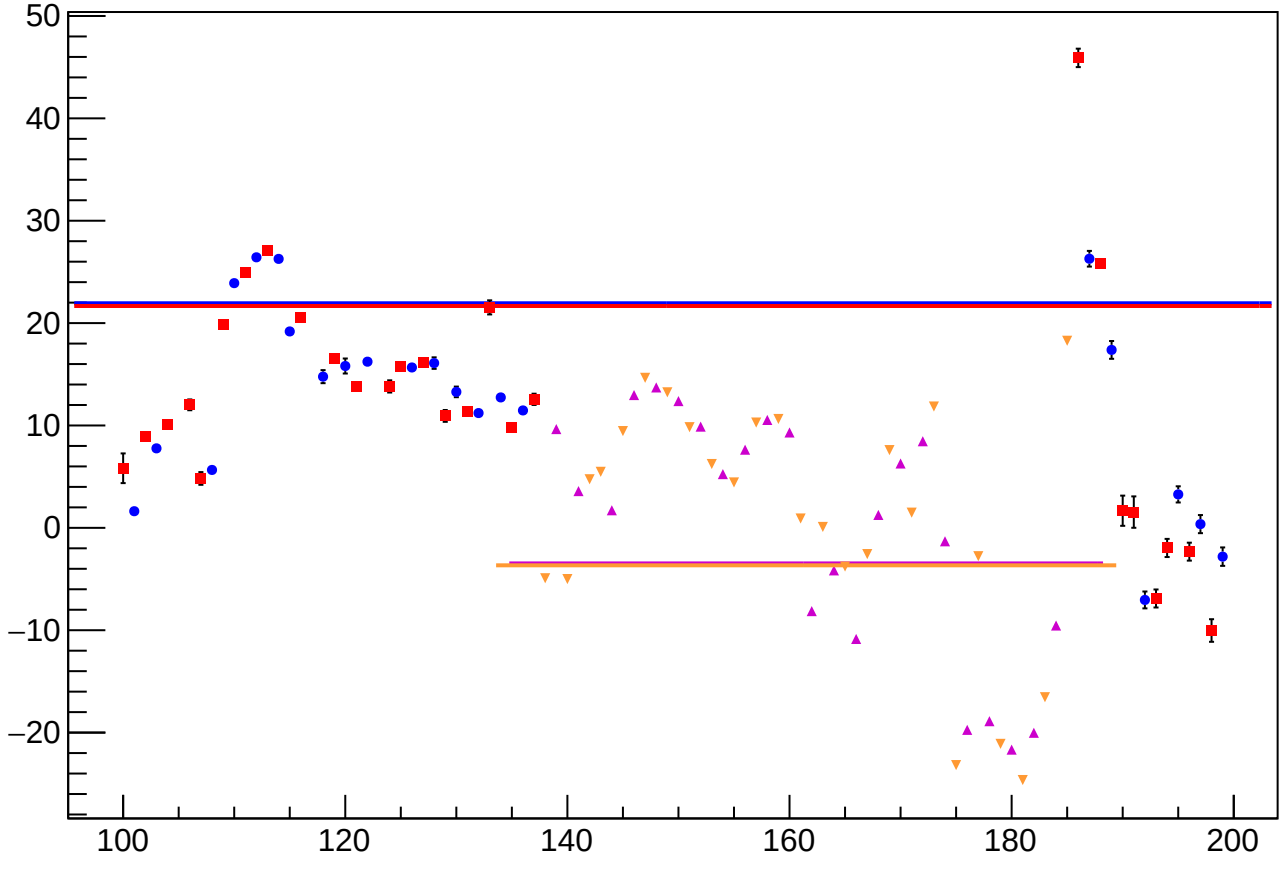
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.369+/-0.002 χ^2/NDF: 5116.3/46

All: 0.369+/-0.002 χ^2/NDF: 11646.4/96

- sign 0.370+/-0.002 χ^2/NDF: 6530.0/49

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.937+/-0.056 χ^2/NDF: 15595.8/21

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.672+/-0.046 χ^2/NDF: 15235.0/26

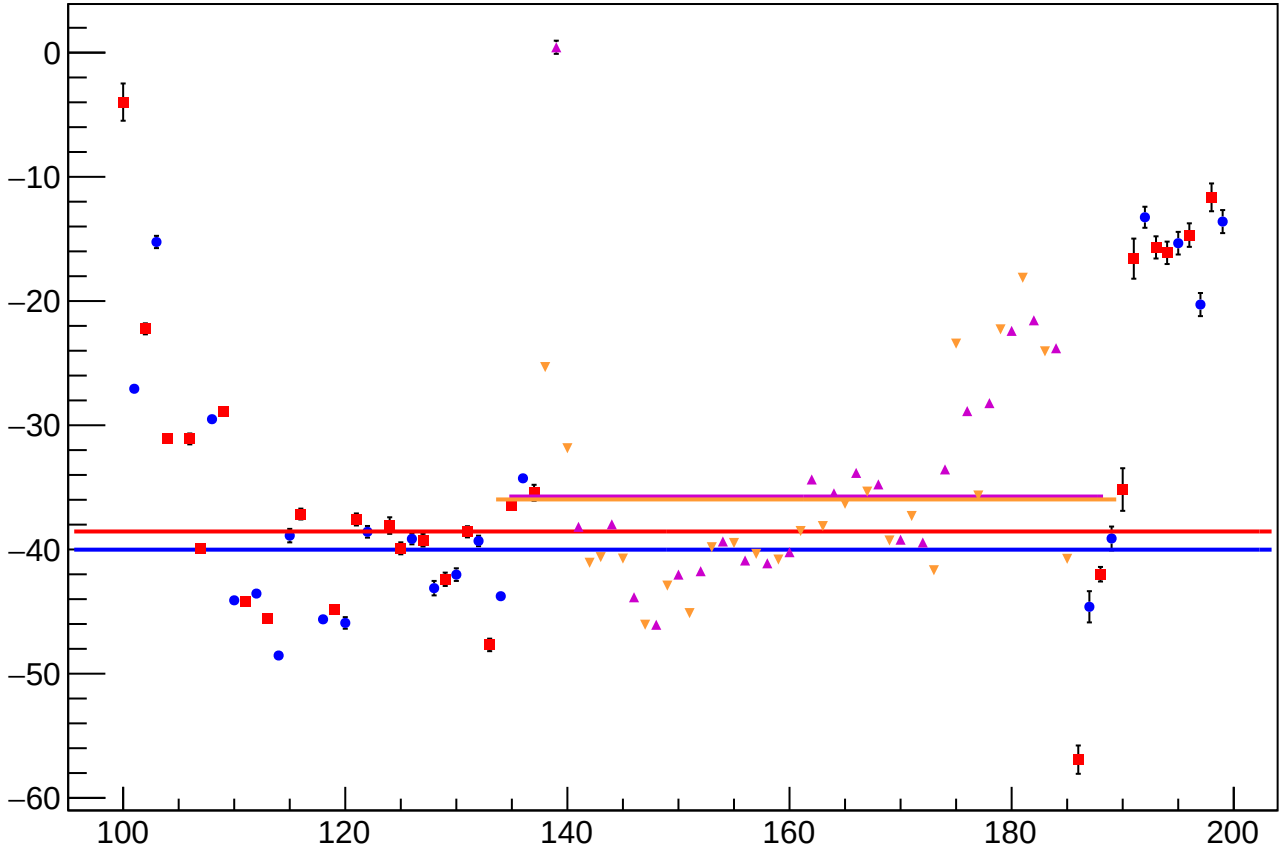
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.847+/-0.039 χ^2/NDF: 179972.5/46

All: 10.521+/-0.026 χ^2/NDF: 361200.2/96

- sign 11.927+/-0.036 χ^2/NDF: 177837.9/49

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.016+/-0.075 χ^2/NDF: 10867.3/21

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.552+/-0.070 χ^2/NDF: 13111.9/26

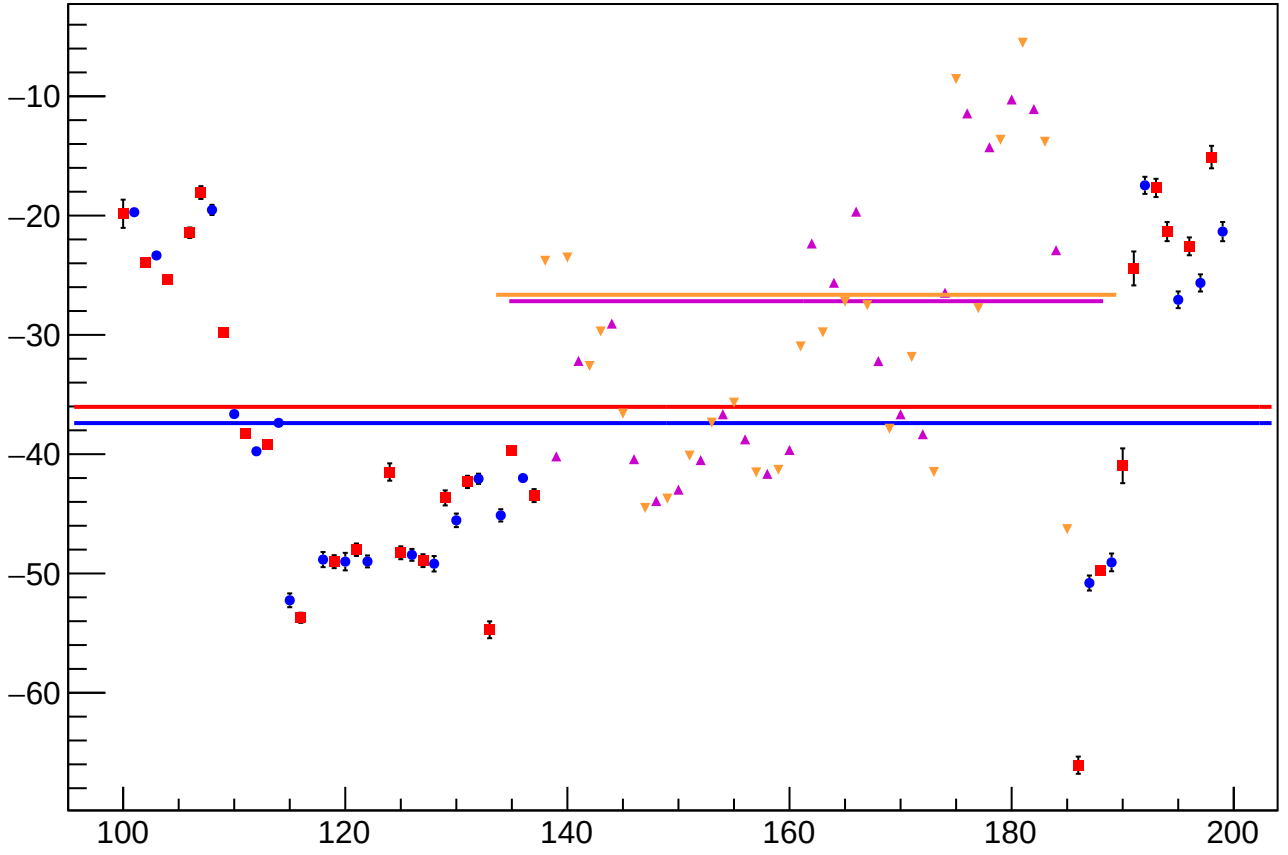
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.952+/-0.037 χ^2/NDF: 46675.5/46

All: -36.763+/-0.026 χ^2/NDF: 88151.8/96

- sign -36.567+/-0.038 χ^2/NDF: 41423.0/49

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.395+/-0.071 χ^2/NDF: 13223.5/21

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.034+/-0.062 χ^2/NDF: 18561.2/26

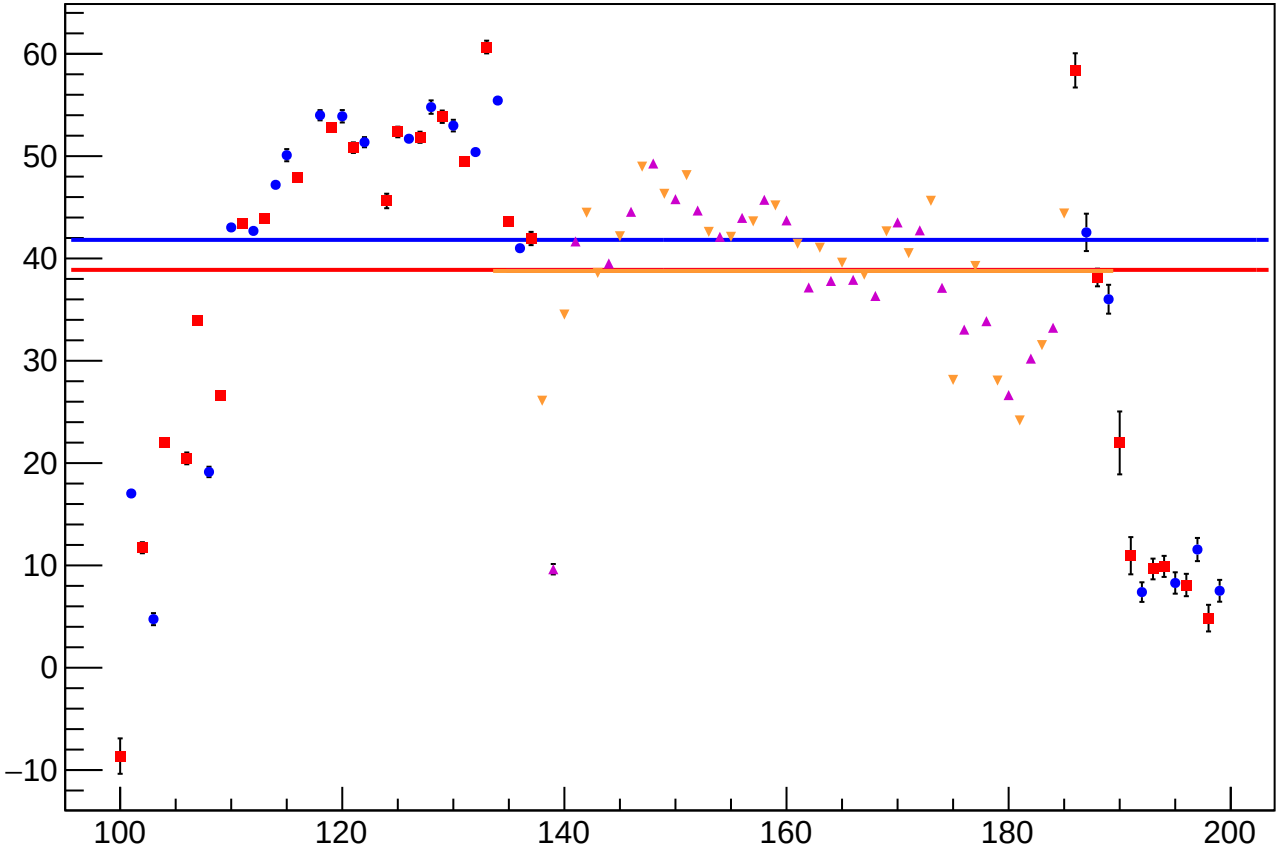
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.600+/-0.043 χ^2/NDF: 77575.5/46

All: -30.934+/-0.030 χ^2/NDF: 148258.2/96

- sign -31.249+/-0.042 χ^2/NDF: 70567.6/49

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 41.816+/-0.084 χ^2/NDF: 18962.1/21

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.885+/-0.077 χ^2/NDF: 21556.3/26

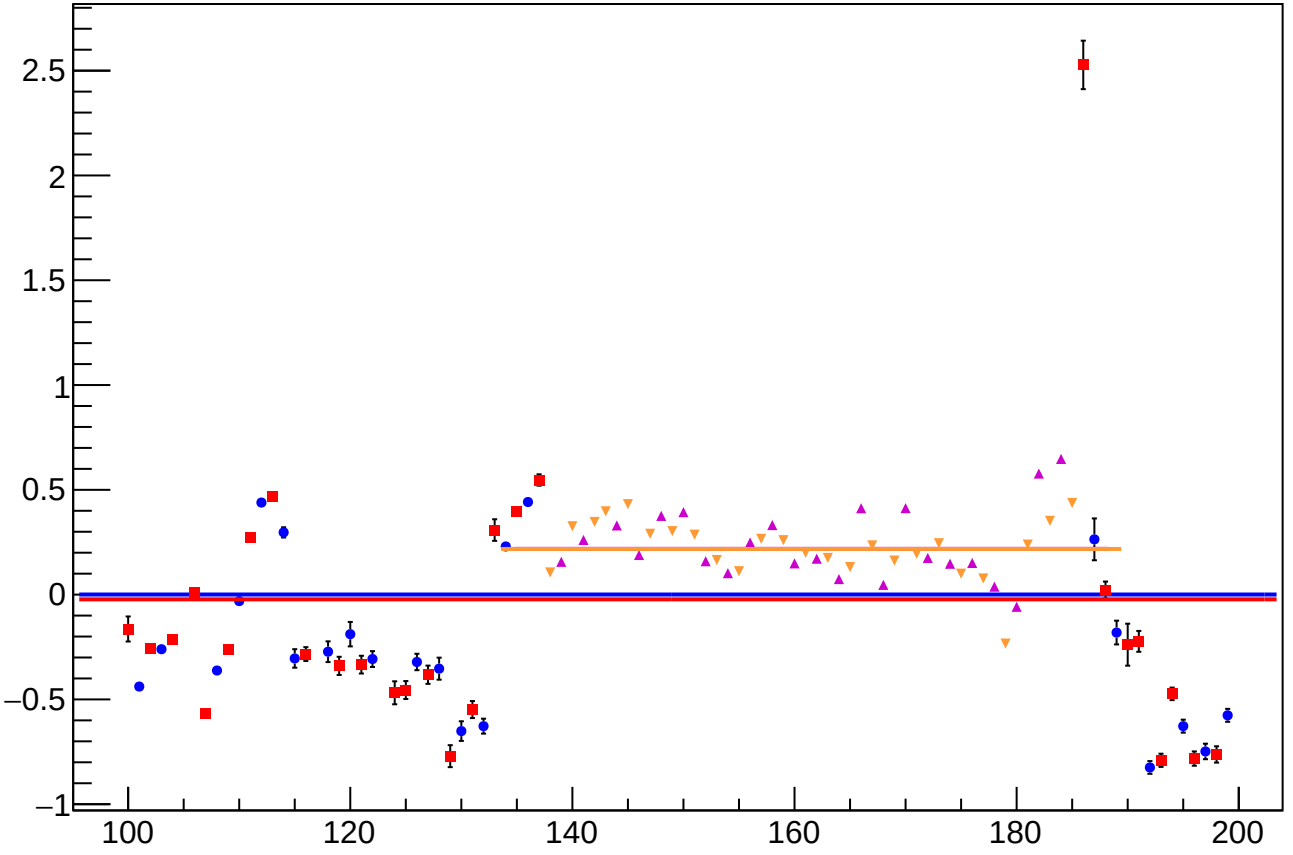
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.523+/-0.041 χ^2/NDF: 41027.5/46

All: 39.176+/-0.030 χ^2/NDF: 78967.4/96

- sign 38.819+/-0.042 χ^2/NDF: 37798.0/49

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.005 χ^2/NDF: 7599.9/21

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.023+/-0.004 χ^2/NDF: 8696.6/26

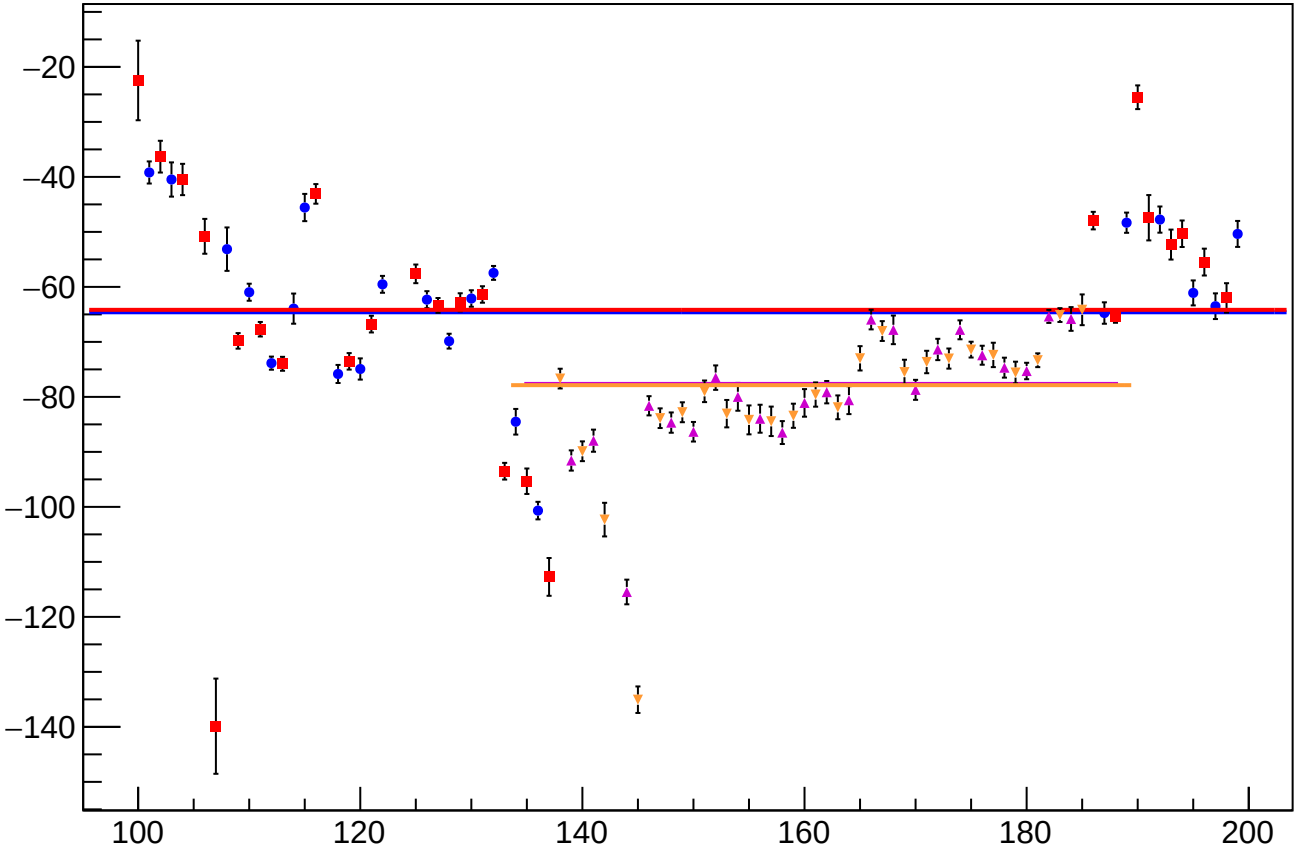
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.179+/-0.002 χ^2/NDF: 13499.3/46

All: 0.172+/-0.001 χ^2/NDF: 30102.0/96

- sign 0.165+/-0.002 χ^2/NDF: 16577.5/49

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -64.615+/-0.383 χ^2/NDF: 1242.8/21

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -64.172+/-0.358 χ^2/NDF: 1836.1/25

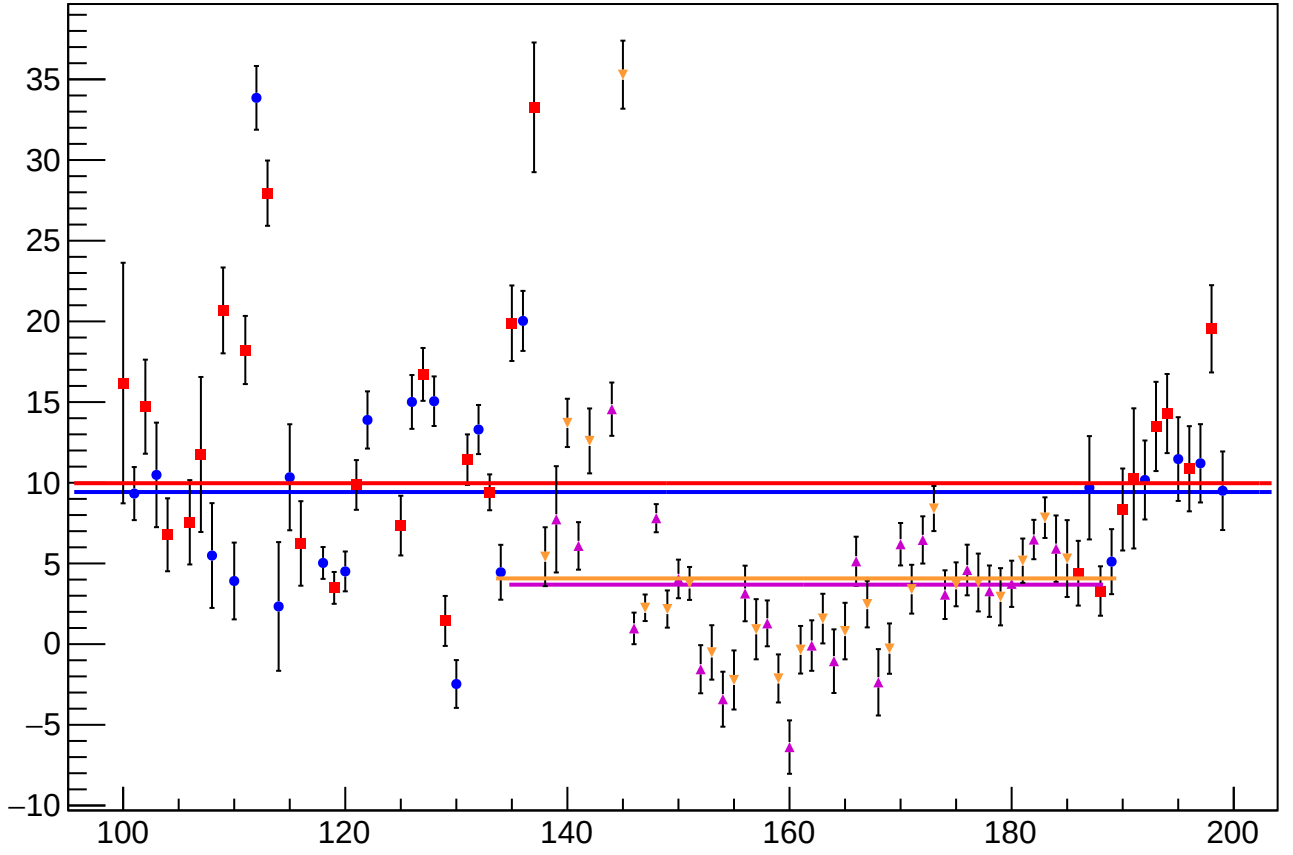
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -71.061+/-0.275 χ^2/NDF: 2755.9/45

All: -70.627+/-0.191 χ^2/NDF: 5926.1/94

- sign -70.222+/-0.266 χ^2/NDF: 3165.5/48

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.426+/-0.394 χ^2/NDF: 347.8/21

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.973+/-0.385 χ^2/NDF: 308.6/25

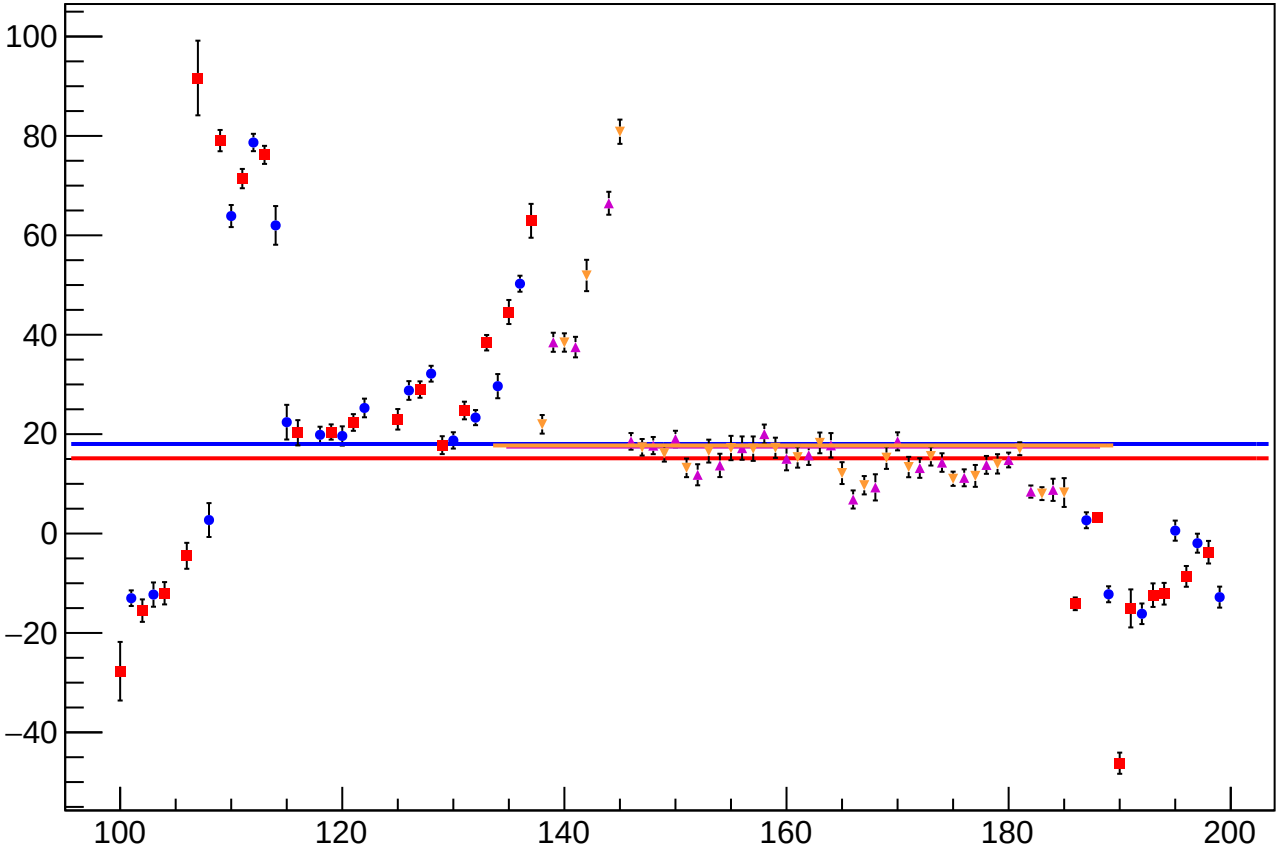
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

\+ sign 6.013+/-0.237 χ^2/NDF: 836.3/45

All: 6.043+/-0.168 χ^2/NDF: 1492.5/94

\- sign 6.074+/-0.238 χ^2/NDF: 656.1/48

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 18.019+/-0.407 χ^2/NDF: 4003.9/21

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 15.140+/-0.373 χ^2/NDF: 6208.2/25

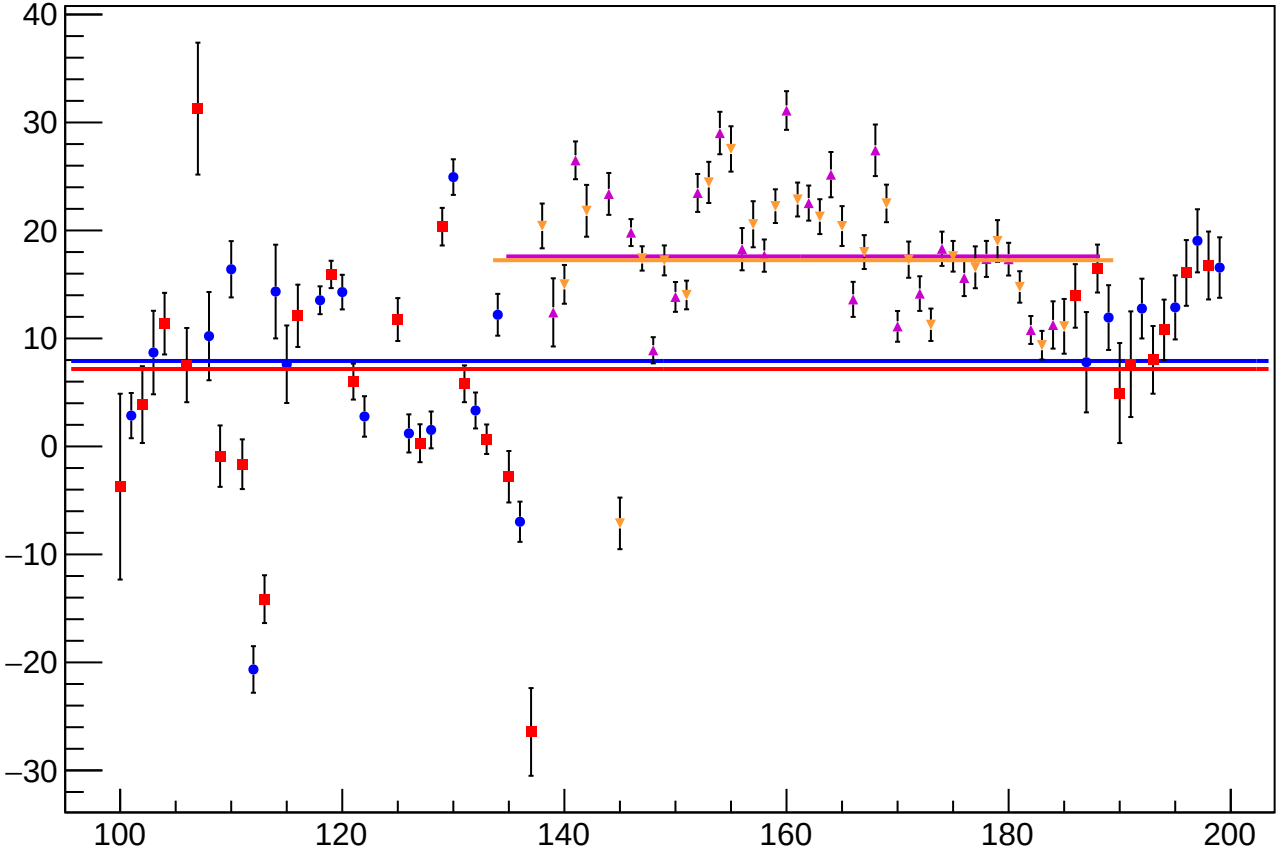
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 17.865+/-0.282 χ^2/NDF: 5062.5/45

All: 17.026+/-0.195 χ^2/NDF: 12127.3/94

- sign 16.254+/-0.270 χ^2/NDF: 7047.8/48

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 7.915+/-0.460 χ^2/NDF: 480.1/21

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.171+/-0.456 χ^2/NDF: 416.8/25

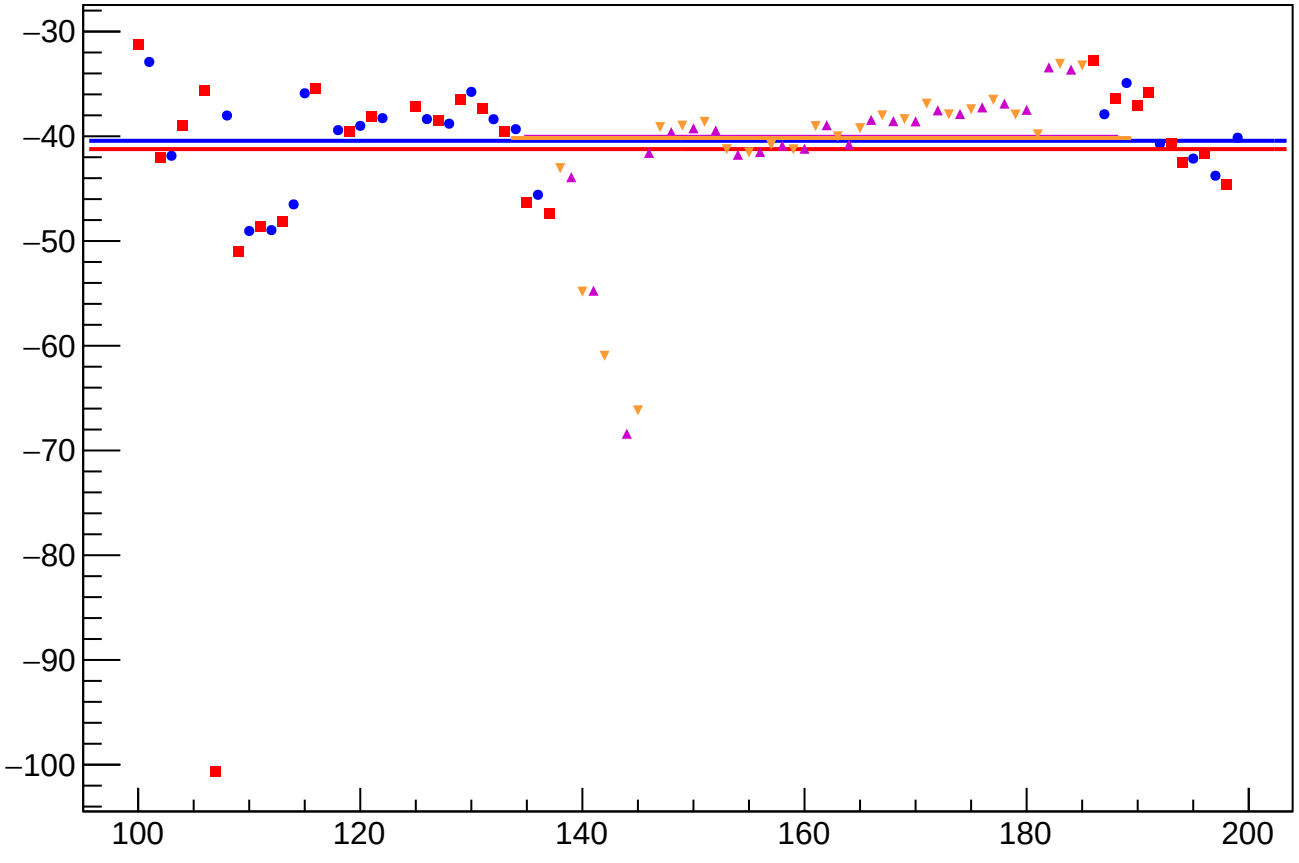
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.976+/-0.273 χ^2/NDF: 1007.7/45

All: 13.906+/-0.193 χ^2/NDF: 2069.1/94

- sign 13.836+/-0.274 χ^2/NDF: 1061.3/48

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.431+/-0.025 χ^2/NDF: 24703.6/21

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.225+/-0.024 χ^2/NDF: 67297.7/25

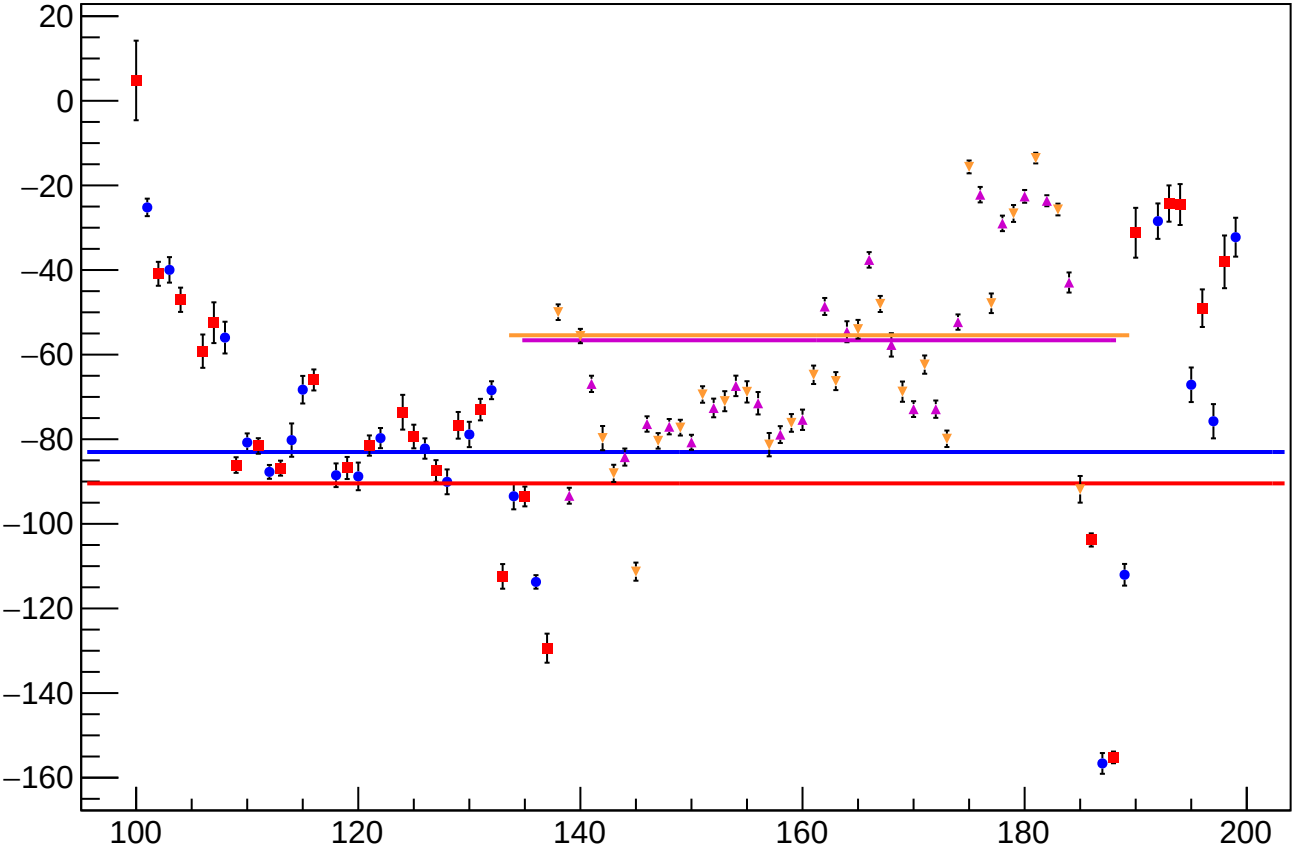
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.239+/-0.013 χ^2/NDF: 188122.6/45

All: -40.312+/-0.009 χ^2/NDF: 393578.6/94

- sign -40.384+/-0.013 χ^2/NDF: 205394.5/48

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -83.019+/-0.557 χ^2/NDF: 2850.3/21

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -90.436+/-0.508 χ^2/NDF: 4147.0/25

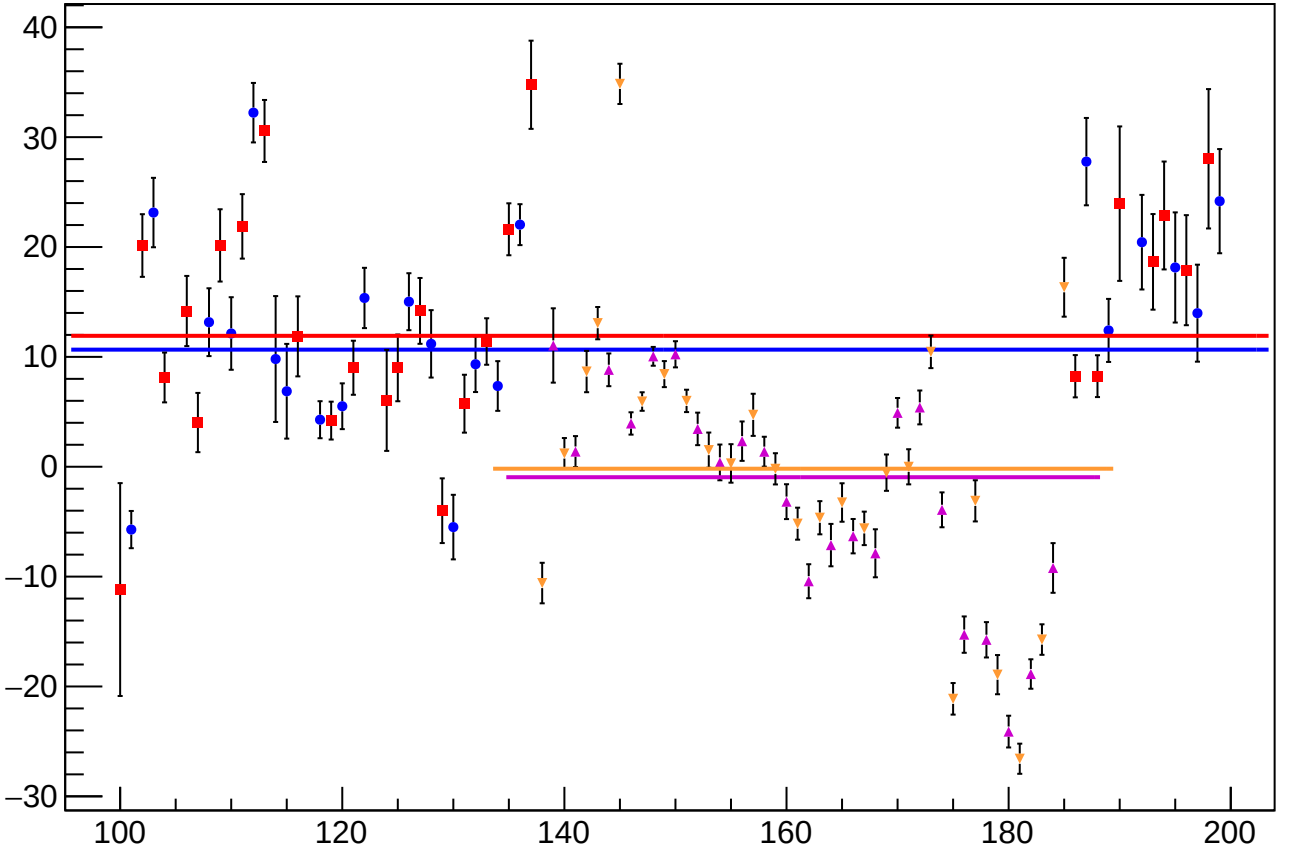
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.602+/-0.321 χ^2/NDF: 9012.8/46

All: -67.197+/-0.225 χ^2/NDF: 19356.6/95

- sign -69.708+/-0.316 χ^2/NDF: 10215.5/48

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 10.659+/-0.581 χ^2/NDF: 305.3/21

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.916+/-0.560 χ^2/NDF: 221.4/25

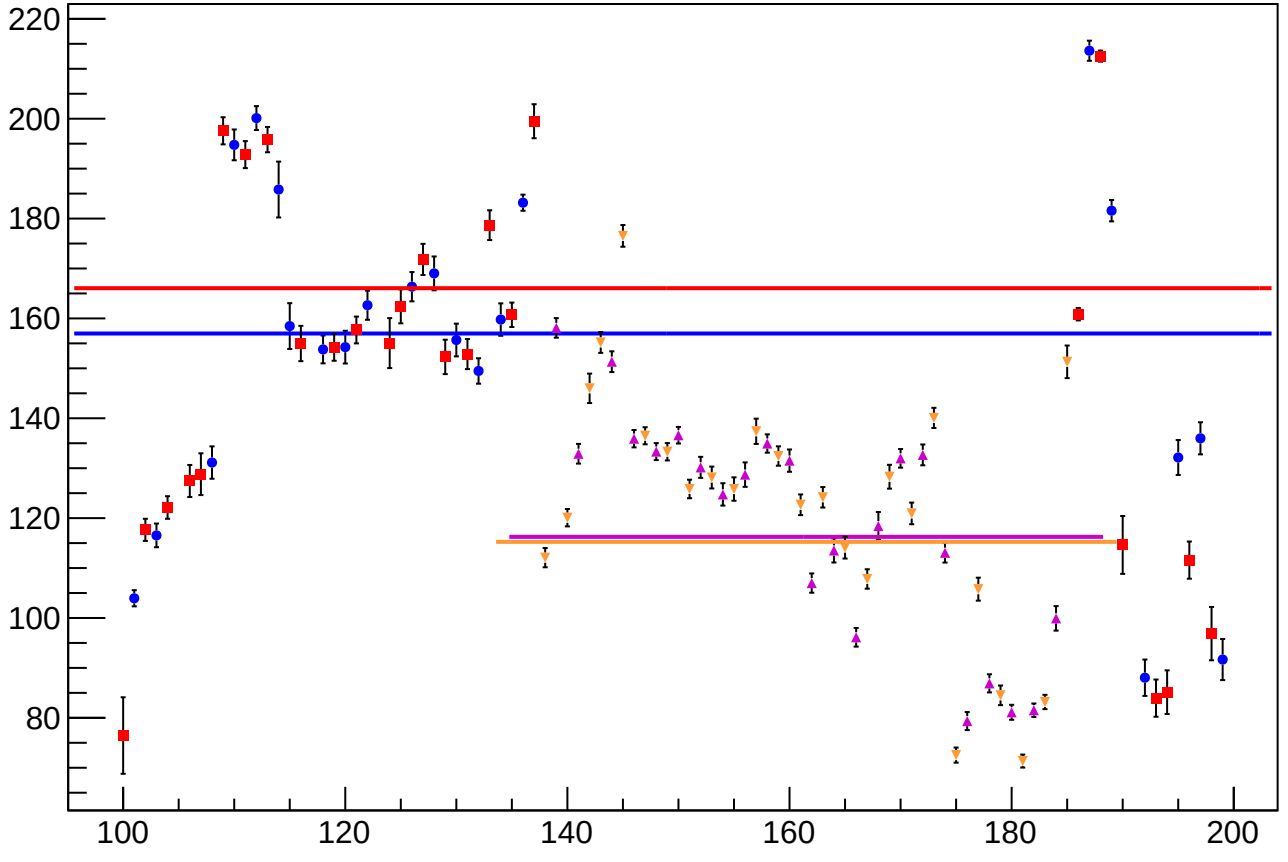
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 2.034+/-0.262 χ^2/NDF: 2181.0/46

All: 2.007+/-0.187 χ^2/NDF: 3880.1/95

\- sign 1.979+/-0.267 χ^2/NDF: 1699.0/48

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 156.977+/-0.572 χ^2/NDF: 3857.1/21

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 166.056+/-0.509 χ^2/NDF: 4847.4/25

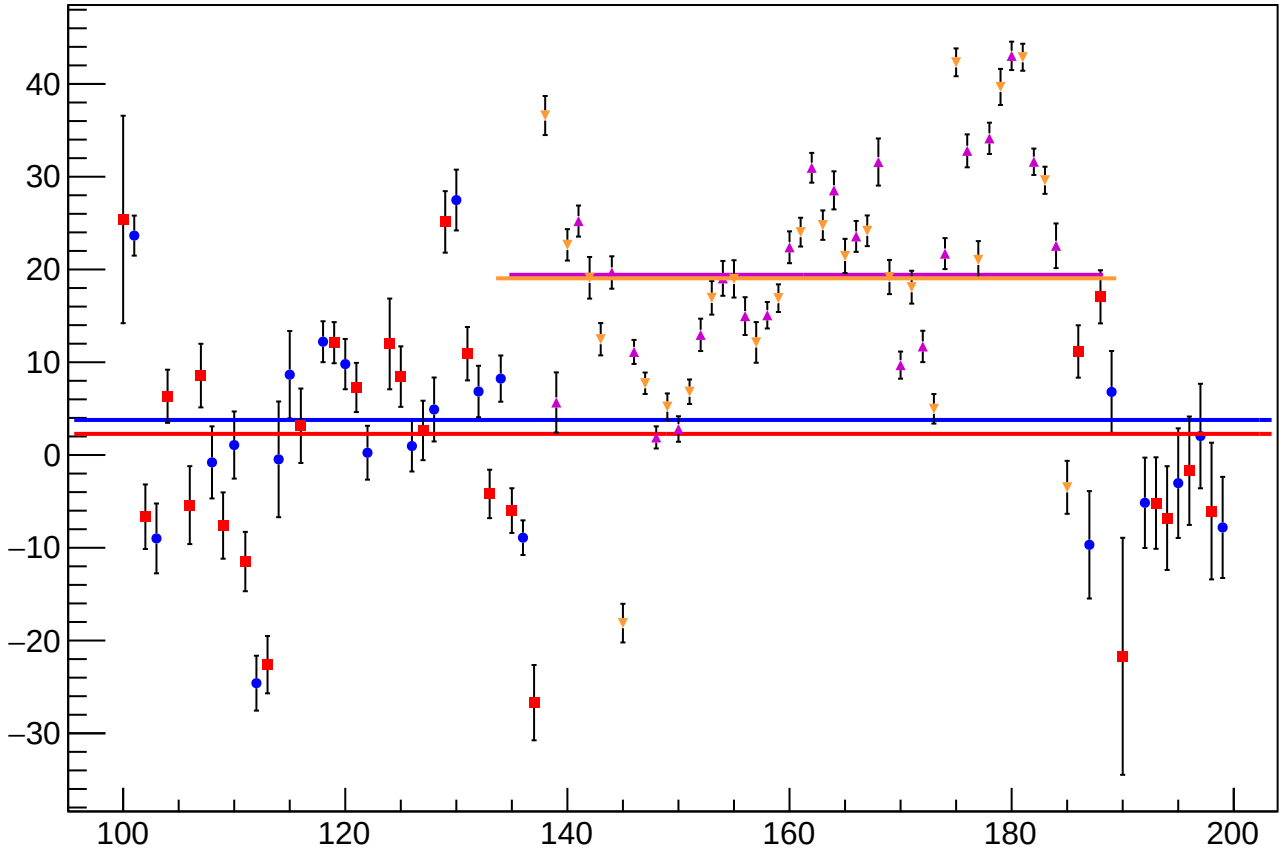
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.518+/-0.322 χ^2/NDF: 12329.7/46

All: 131.955+/-0.225 χ^2/NDF: 26967.3/95

- sign 135.219+/-0.314 χ^2/NDF: 14415.9/48

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 3.780+/-0.677 χ^2/NDF: 332.1/21

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.278+/-0.668 χ^2/NDF: 313.5/25

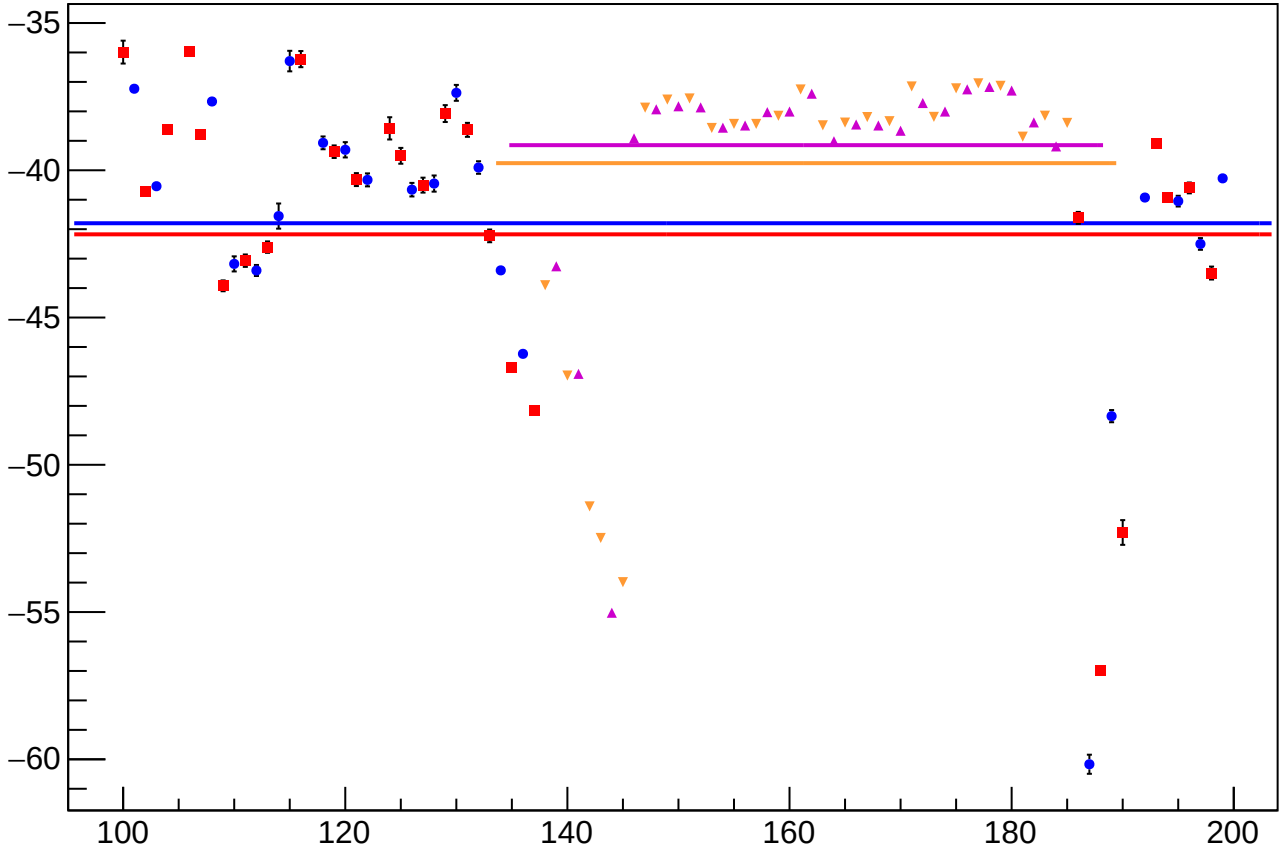
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.030+/-0.301 χ^2/NDF: 2285.3/46

All: 15.918+/-0.215 χ^2/NDF: 4196.3/95

- sign 15.801+/-0.307 χ^2/NDF: 1910.7/48

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.798+/-0.034 χ^2/NDF: 12352.5/21

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.175+/-0.034 χ^2/NDF: 19051.7/25

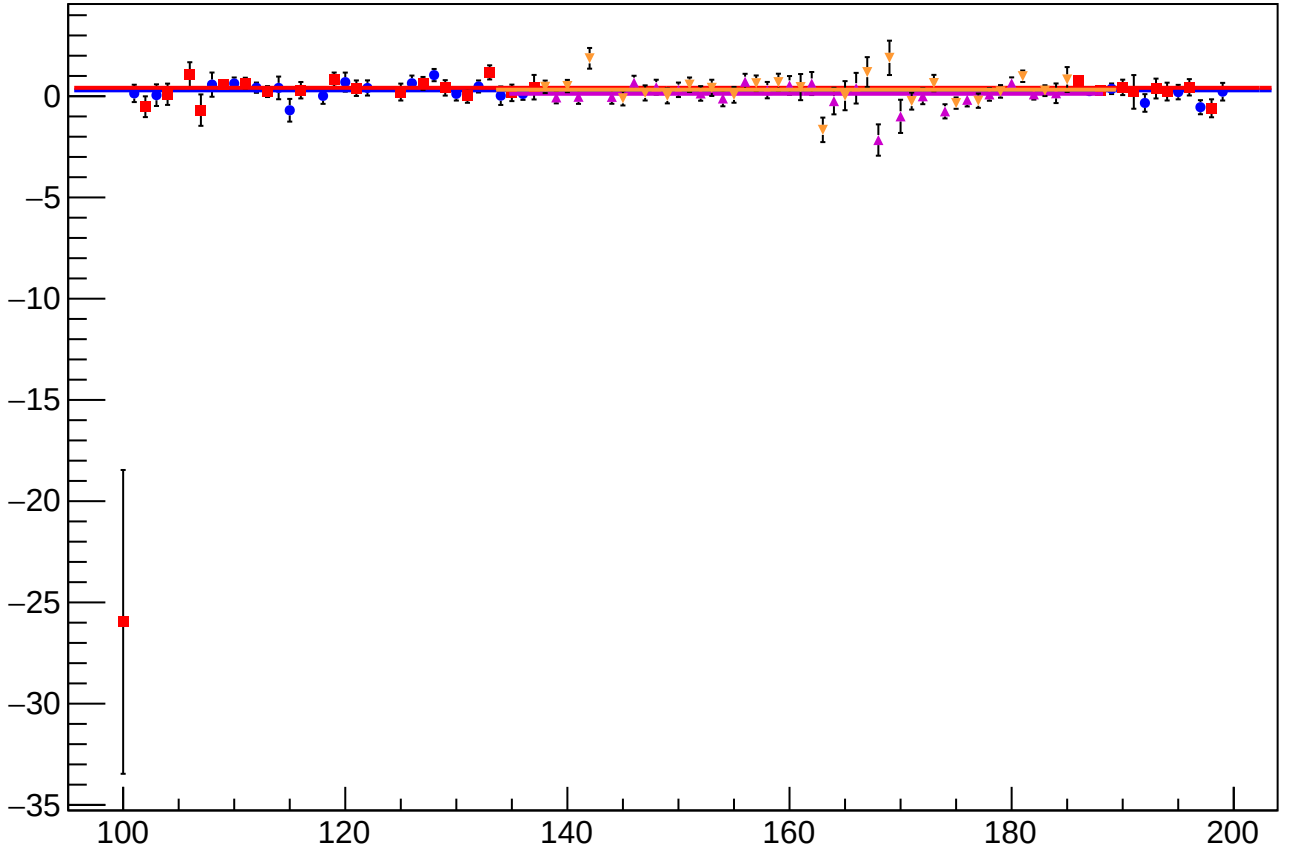
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.105+/-0.014 χ^2/NDF: 97186.0/46

All: -39.887+/-0.010 χ^2/NDF: 170047.4/95

- sign -39.664+/-0.014 χ^2/NDF: 72374.5/48

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.290+/-0.075 χ^2/NDF: 23.0/21

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.415+/-0.064 χ^2/NDF: 40.1/25

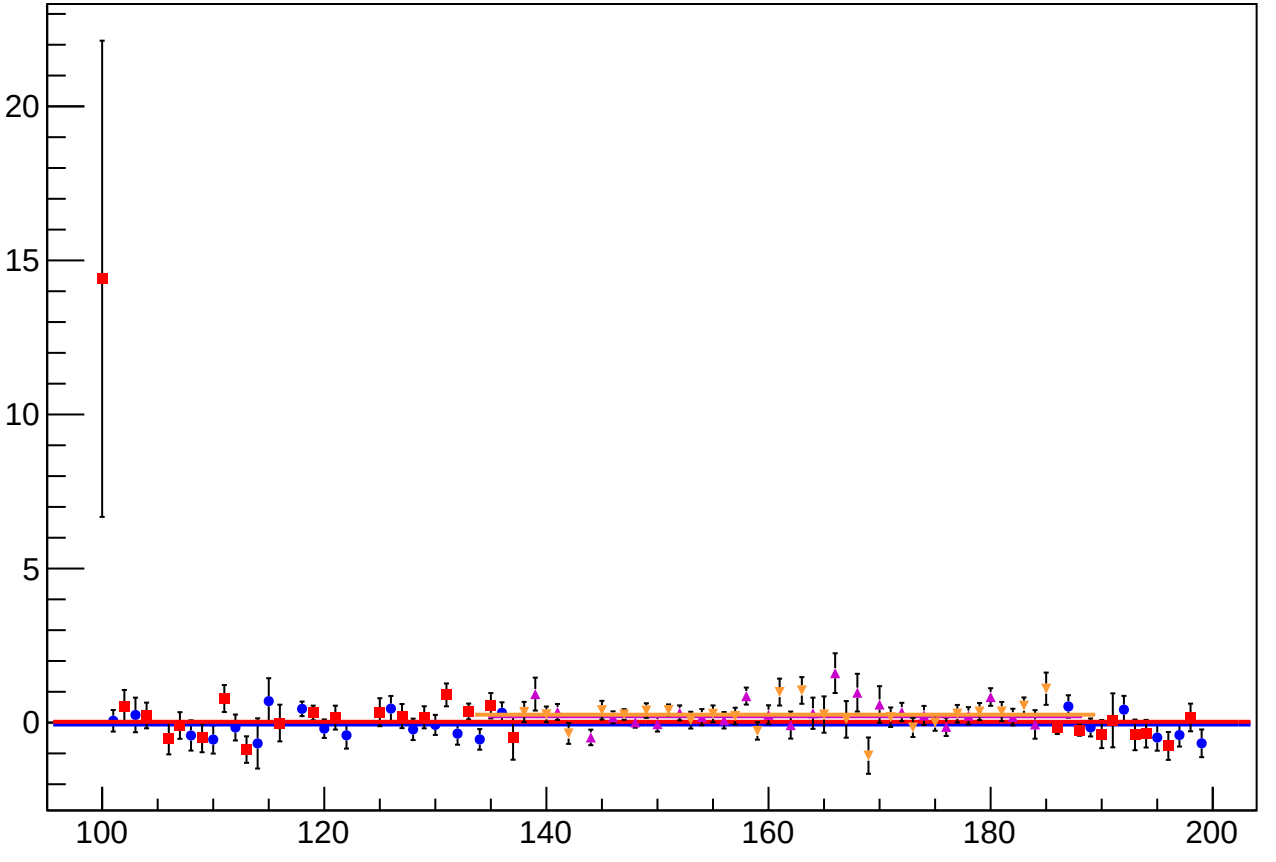
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.305+/-0.054 χ^2/NDF: 70.0/45

All: 0.302+/-0.037 χ^2/NDF: 148.4/94

- sign 0.299+/-0.050 χ^2/NDF: 78.4/48

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.061+/-0.080 χ^2/NDF: 22.6/21

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.026+/-0.073 χ^2/NDF: 34.5/25

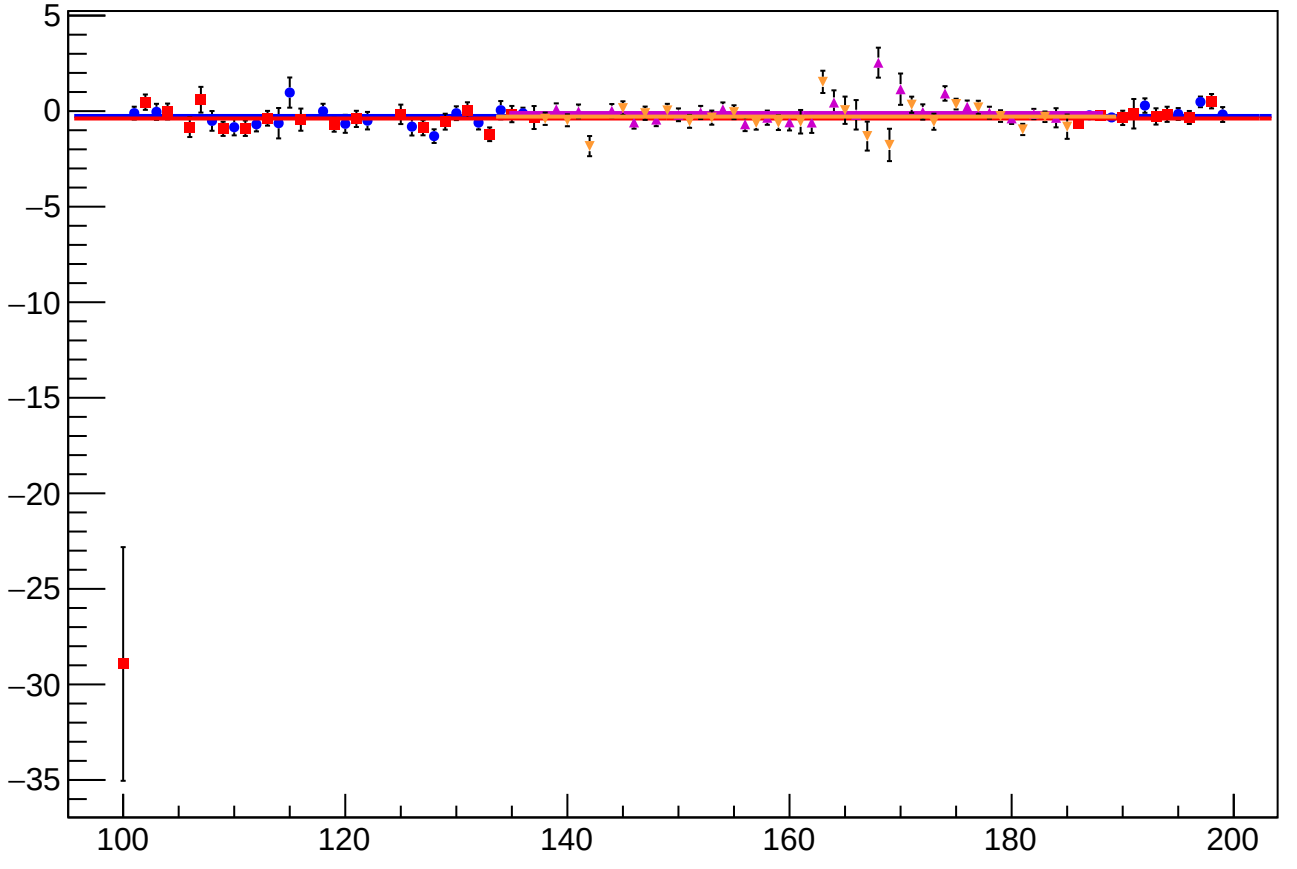
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.145+/-0.048 χ^2/NDF: 59.3/45

All: 0.139+/-0.033 χ^2/NDF: 129.3/94

- sign 0.133+/-0.047 χ^2/NDF: 70.0/48

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.253+/-0.074 χ^2/NDF: 29.3/21

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.386+/-0.060 χ^2/NDF: 54.6/25

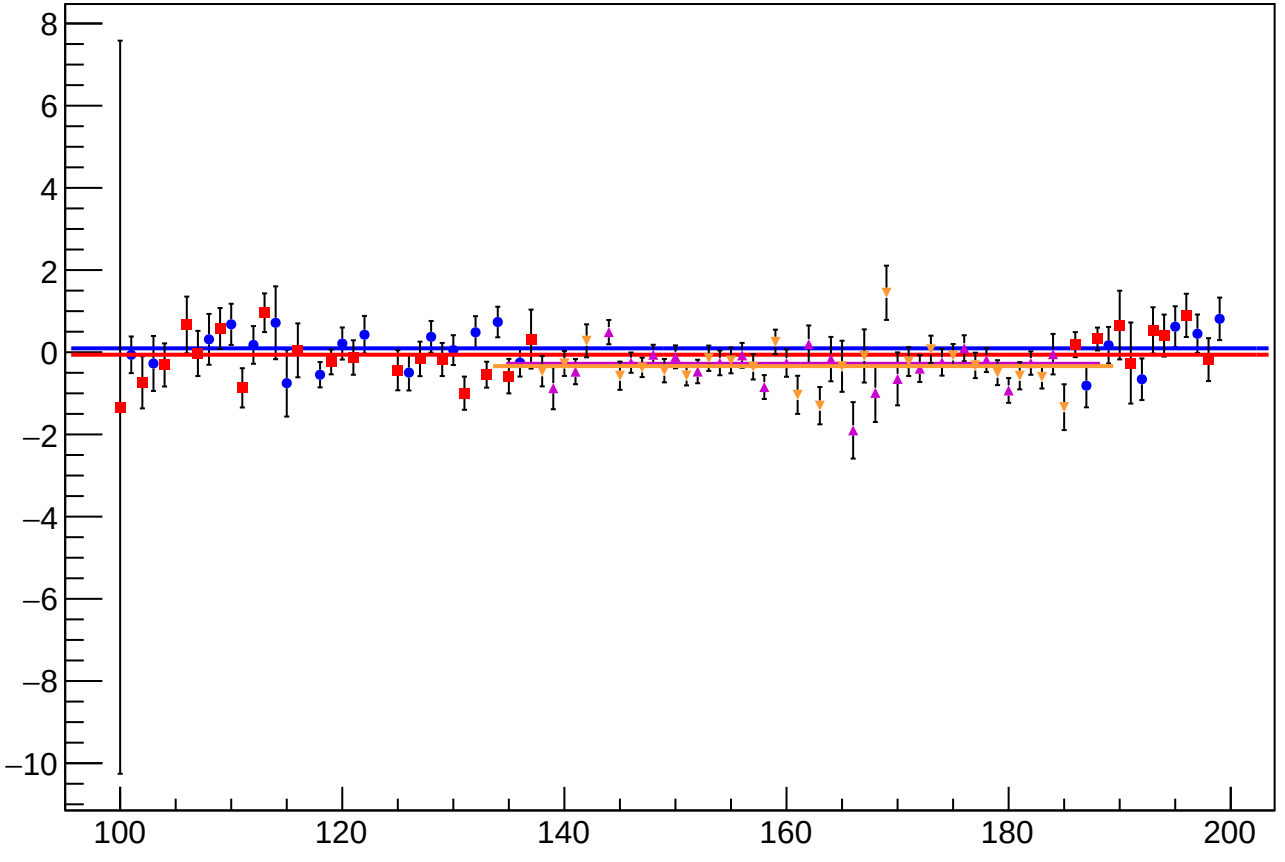
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.269+/-0.054 χ^2/NDF: 74.5/45

All: -0.275+/-0.036 χ^2/NDF: 170.7/94

- sign -0.280+/-0.048 χ^2/NDF: 96.2/48

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.095+/-0.095 χ^2/NDF: 24.7/21

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.060+/-0.090 χ^2/NDF: 31.0/25

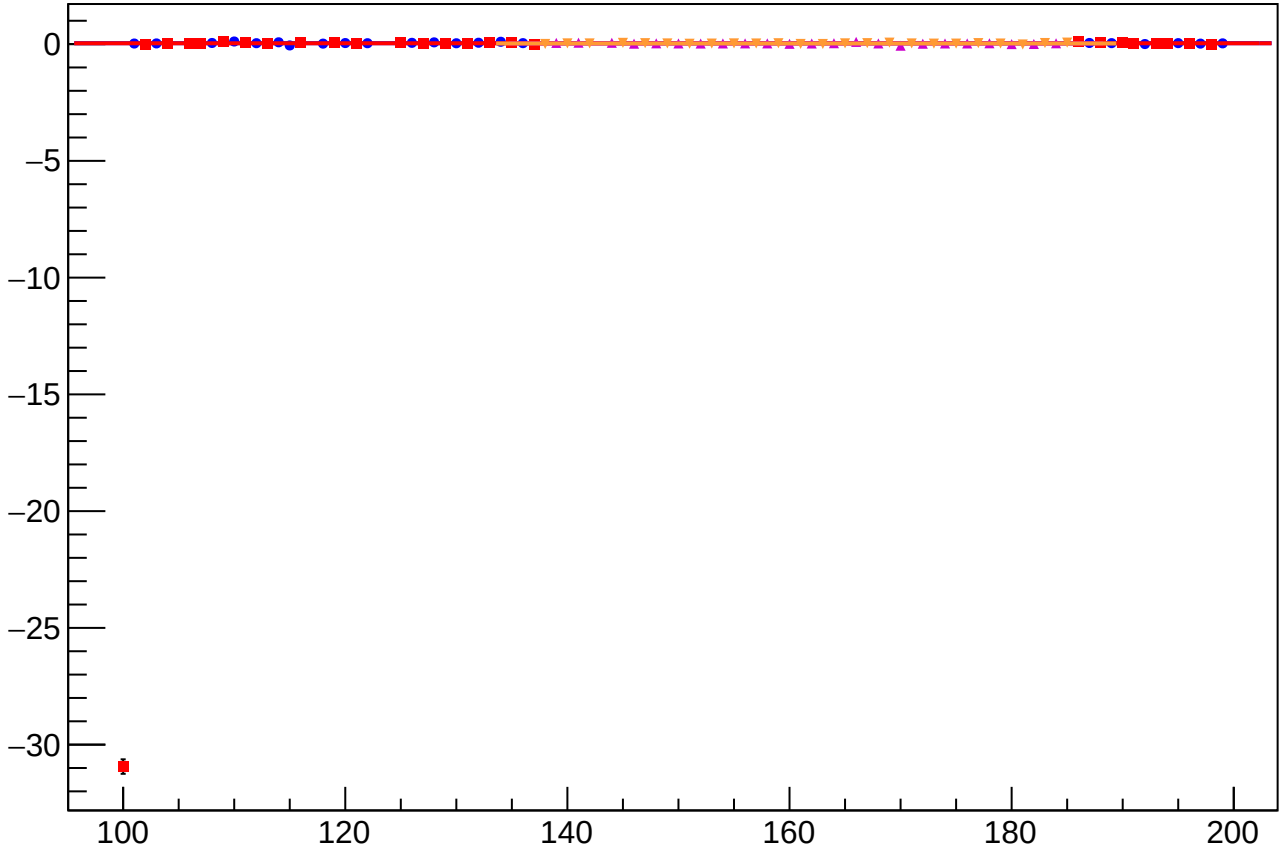
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.191+/-0.055 χ^2/NDF: 68.5/45

All: -0.195+/-0.039 χ^2/NDF: 132.3/94

- sign -0.200+/-0.055 χ^2/NDF: 63.8/48

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.040+/-0.005 χ^2/NDF: 28.3/21

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.036+/-0.004 χ^2/NDF: 10043.3/25

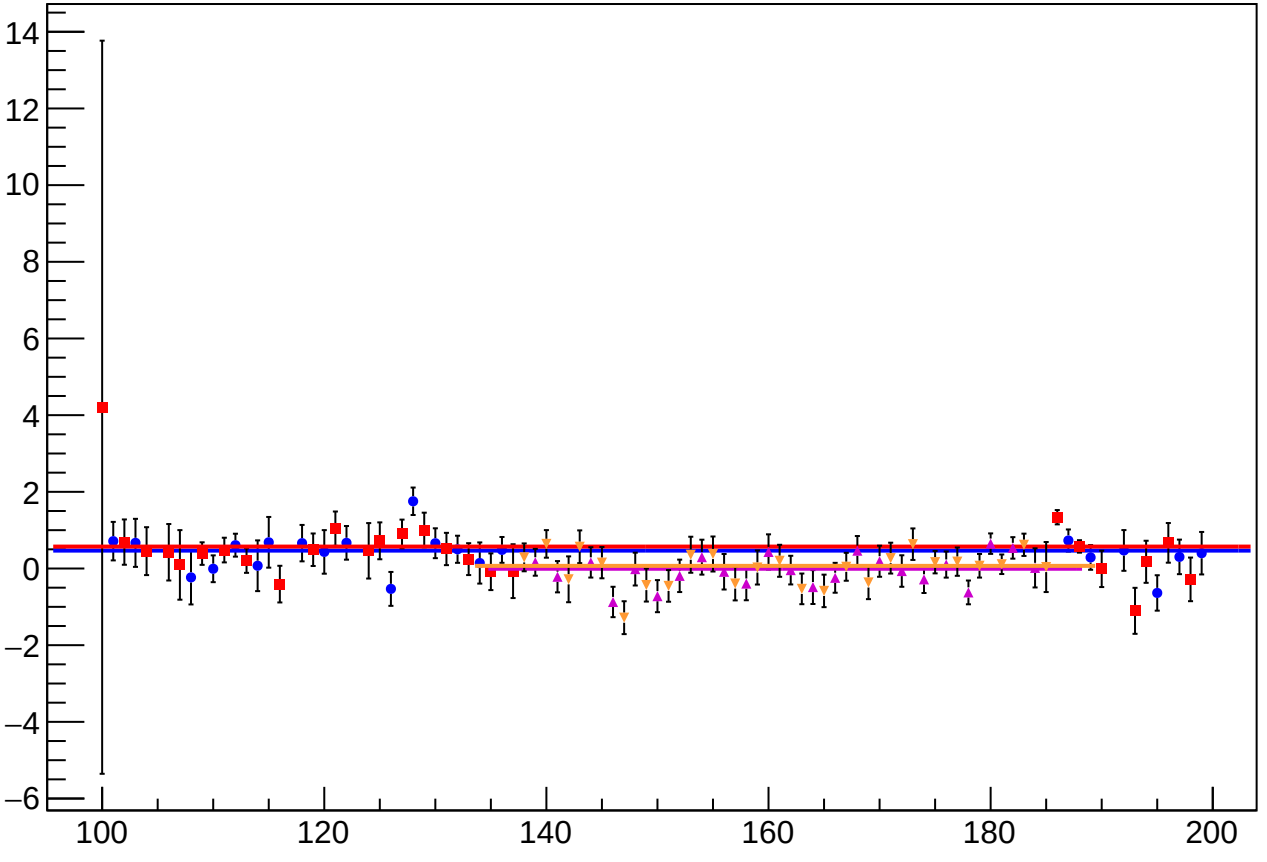
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.003 χ^2/NDF: 60.2/45

All: 0.031+/-0.002 χ^2/NDF: 10143.8/94

- sign 0.032+/-0.003 χ^2/NDF: 10083.5/48

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.467+/-0.090 χ^2/NDF: 29.9/21

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.572+/-0.076 χ^2/NDF: 41.7/25

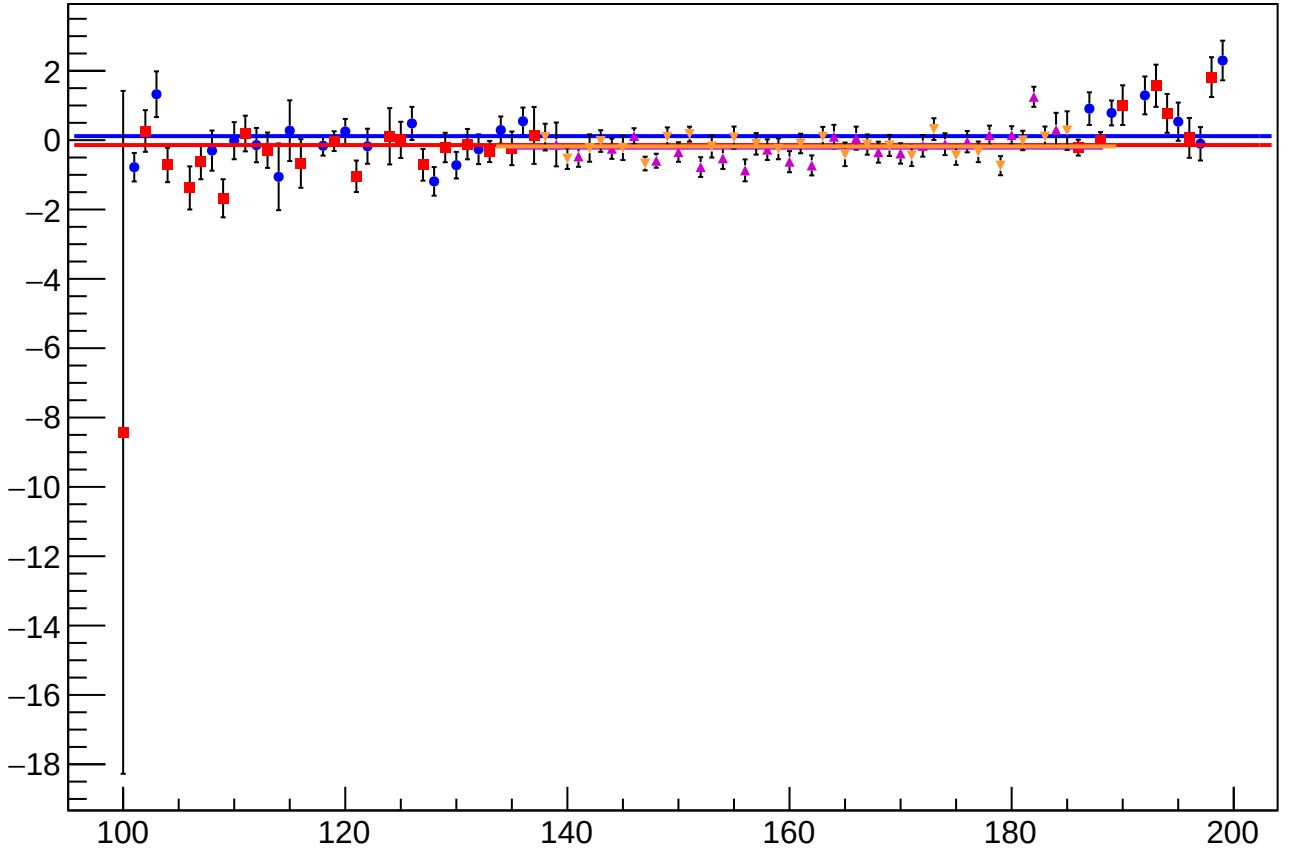
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.237+/-0.059 χ^2/NDF: 72.3/46

All: 0.269+/-0.040 χ^2/NDF: 170.8/95

- sign 0.297+/-0.055 χ^2/NDF: 98.0/48

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.116+/-0.097 χ^2/NDF: 55.8/21

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.141+/-0.087 χ^2/NDF: 49.5/25

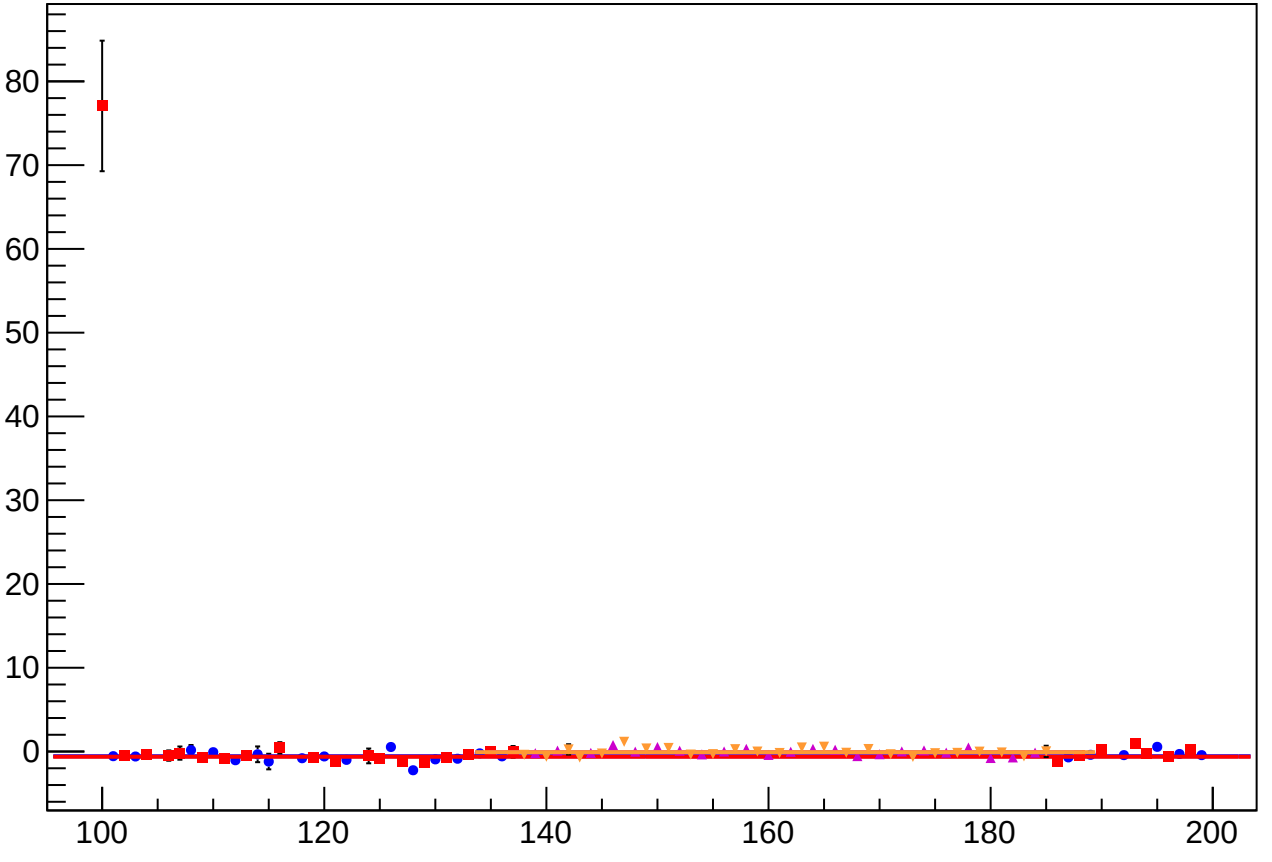
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.100+/-0.050 χ^2/NDF: 87.3/46

All: -0.145+/-0.036 χ^2/NDF: 192.5/95

- sign -0.190+/-0.050 χ^2/NDF: 103.6/48

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.564+/-0.091 χ^2/NDF: 35.7/21

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.624+/-0.072 χ^2/NDF: 139.8/25

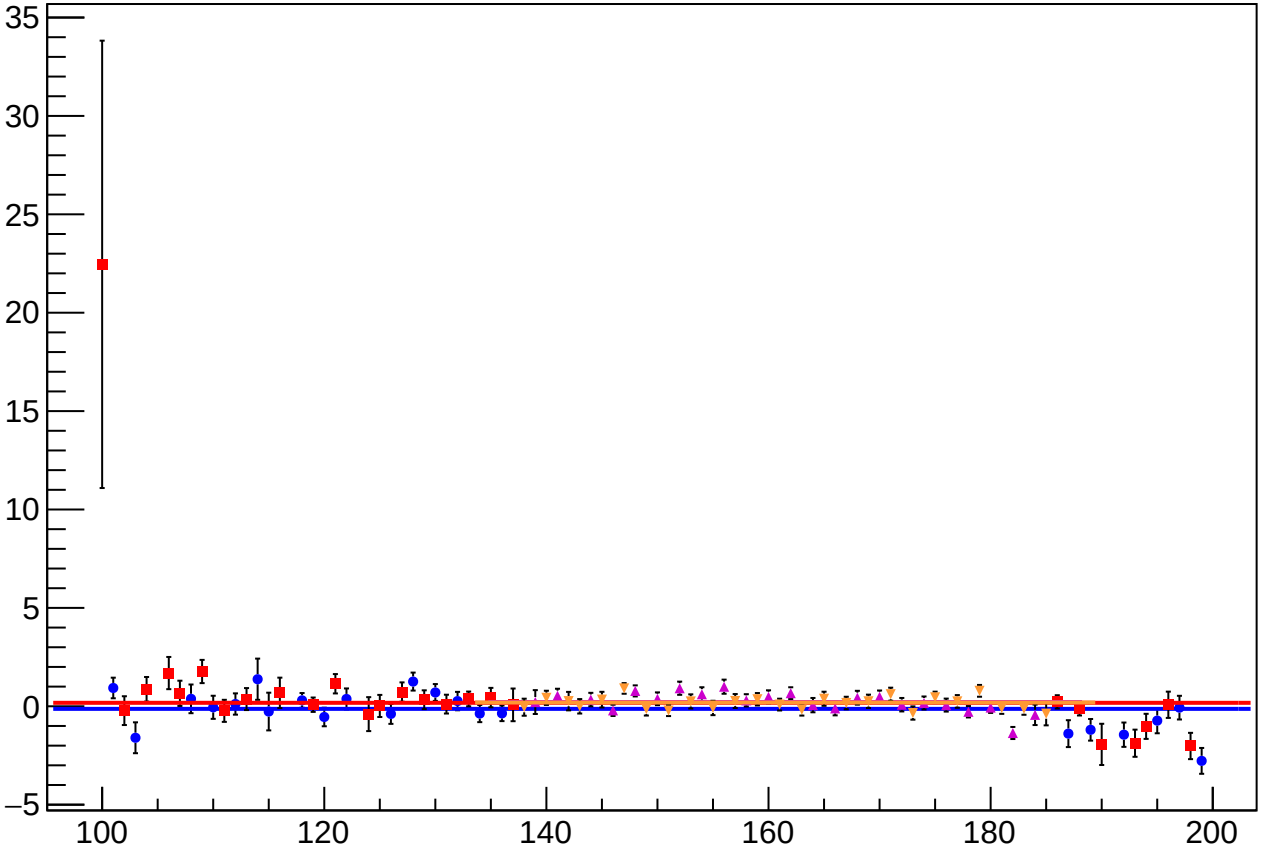
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.281+/-0.059 χ^2/NDF: 82.5/46

All: -0.332+/-0.039 χ^2/NDF: 278.5/95

- sign -0.374+/-0.053 χ^2/NDF: 194.6/48

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.131+/-0.114 χ^2/NDF: 56.7/21

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.176+/-0.107 χ^2/NDF: 52.1/25

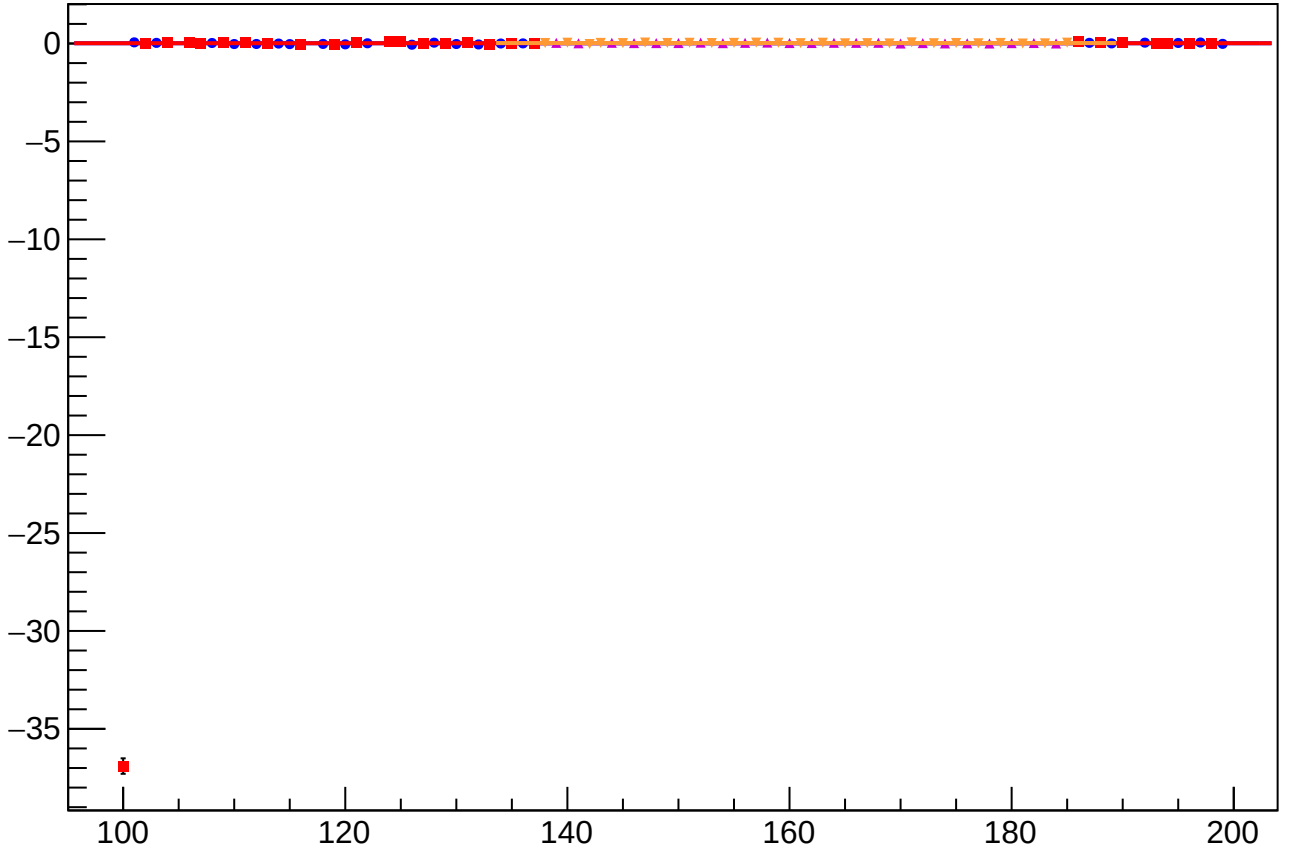
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.110+/-0.058 χ^2/NDF: 88.6/46

All: 0.157+/-0.041 χ^2/NDF: 197.2/95

- sign 0.204+/-0.058 χ^2/NDF: 107.3/48

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.006 χ^2/NDF: 27.7/21

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8775.7/25

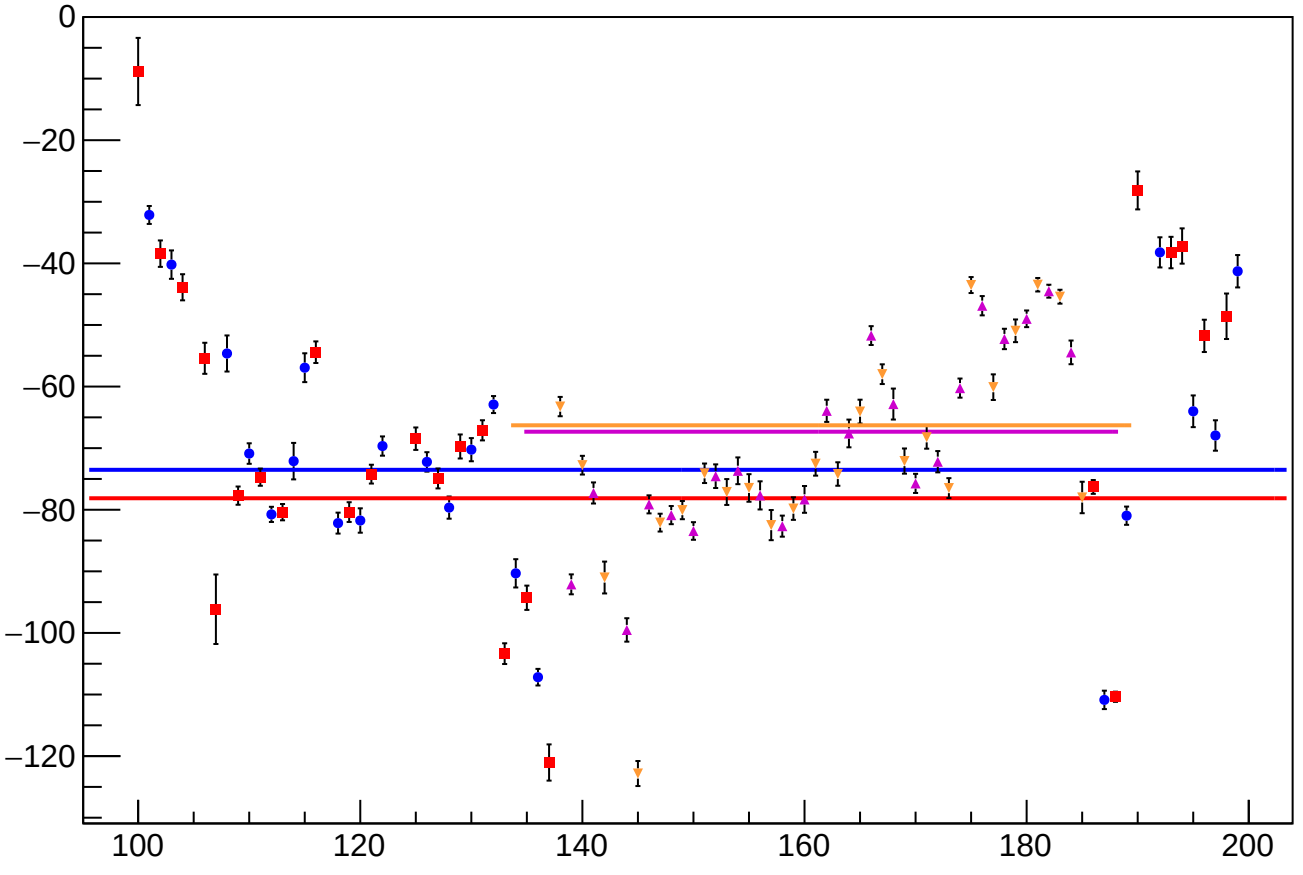
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.022+/-0.003 χ^2/NDF: 60.8/46

All: 0.022+/-0.002 χ^2/NDF: 8856.8/95

- sign 0.022+/-0.003 χ^2/NDF: 8796.0/48

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -73.517+/-0.381 χ^2/NDF: 2972.5/21

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -78.135+/-0.348 χ^2/NDF: 4052.9/24

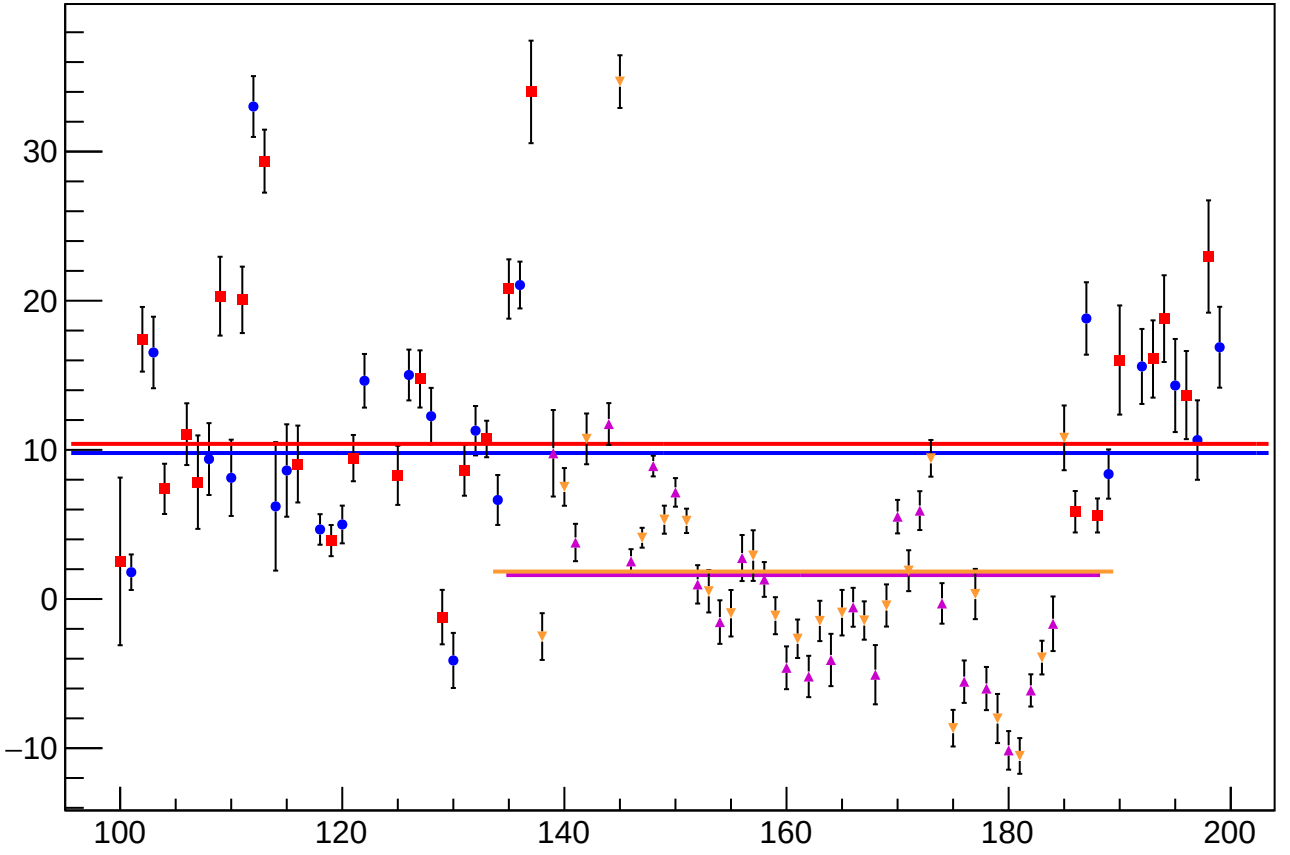
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

\+ sign -69.533+/-0.255 χ^2/NDF: 5721.3/45

All: -71.173+/-0.177 χ^2/NDF: 12441.8/93

\- sign -72.685+/-0.245 χ^2/NDF: 6641.2/47

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.789+/-0.389 χ^2/NDF: 383.2/21

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.402+/-0.379 χ^2/NDF: 347.8/24

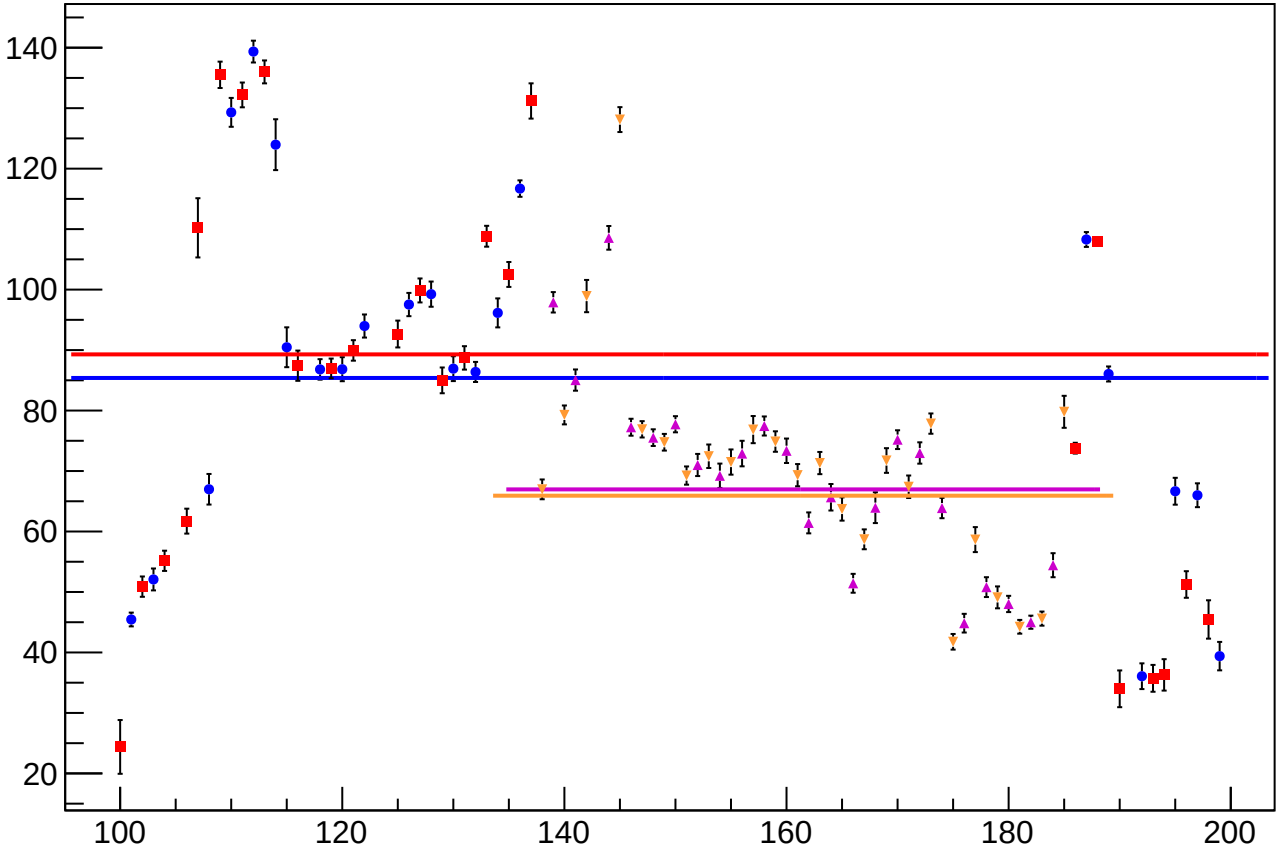
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.223+/-0.213 χ^2/NDF: 1457.0/45

All: 4.312+/-0.151 χ^2/NDF: 2670.0/93

- sign 4.401+/-0.213 χ^2/NDF: 1212.7/47

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 85.389+/-0.386 χ^2/NDF: 5031.0/21

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 89.288+/-0.342 χ^2/NDF: 6164.3/24

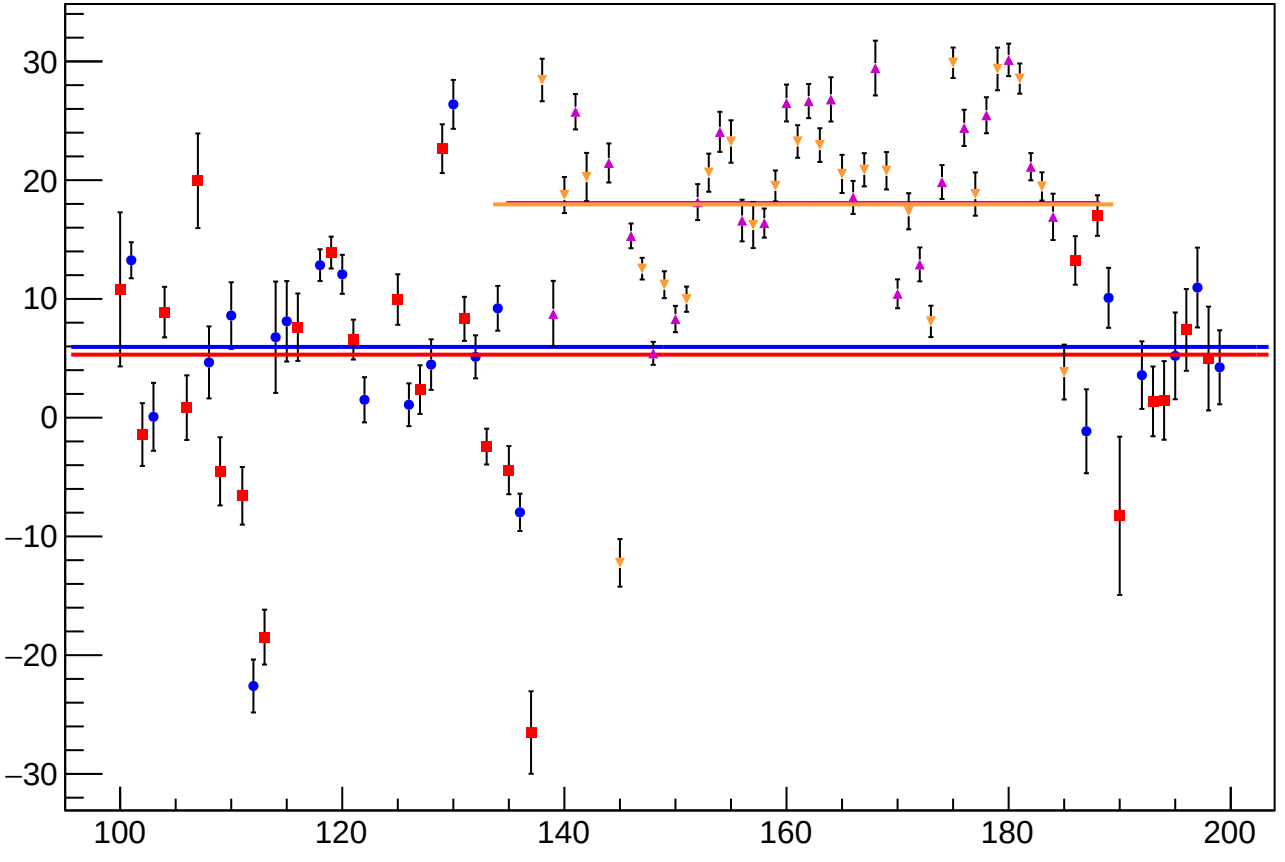
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 74.451+/-0.255 χ^2/NDF: 9018.4/45

All: 76.379+/-0.175 χ^2/NDF: 19648.3/93

- sign 78.105+/-0.241 χ^2/NDF: 10521.8/47

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.957+/-0.461 χ^2/NDF: 436.8/21

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.308+/-0.456 χ^2/NDF: 494.0/24

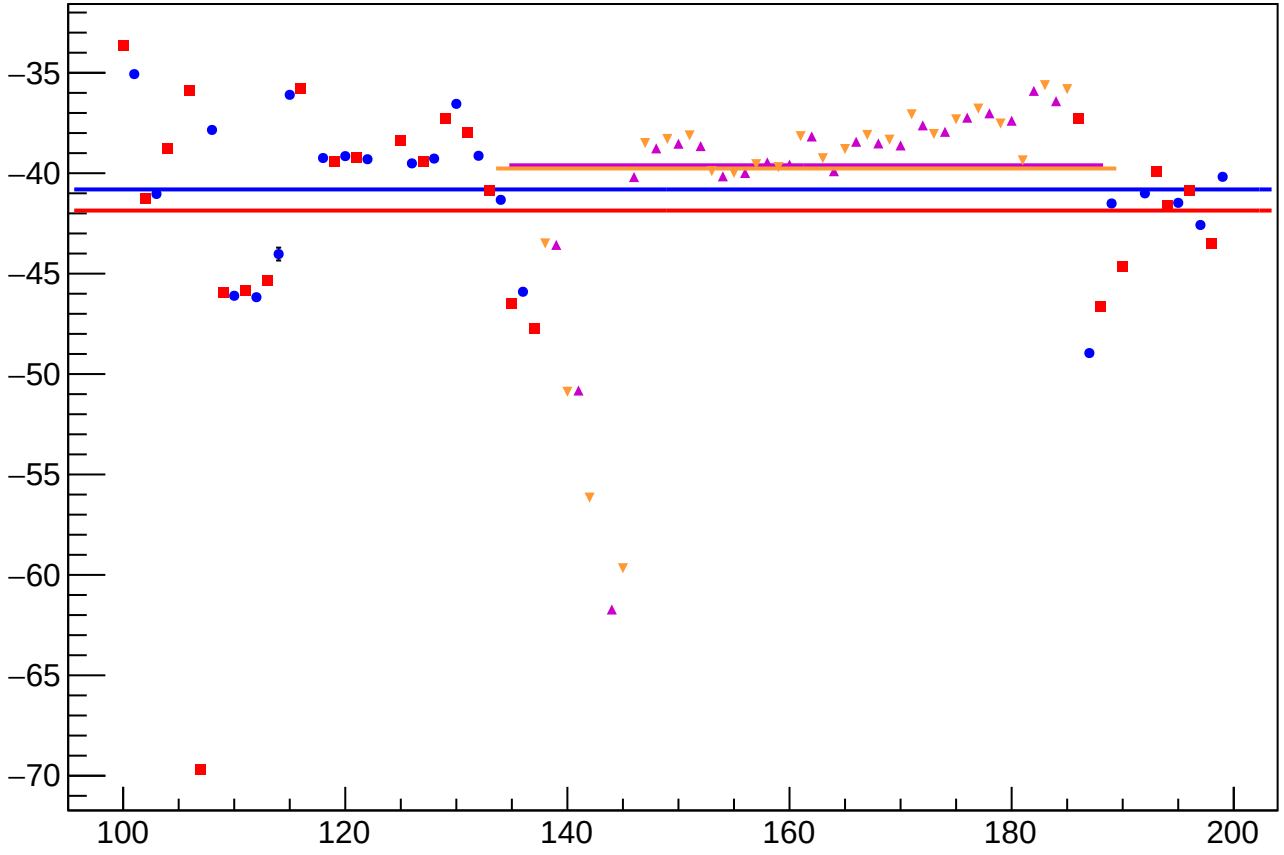
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.522+/-0.247 χ^2/NDF: 1653.5/45

All: 14.421+/-0.175 χ^2/NDF: 3305.4/93

- sign 14.319+/-0.248 χ^2/NDF: 1651.5/47

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.807+/-0.024 χ^2/NDF: 20318.6/21

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.859+/-0.024 χ^2/NDF: 41622.2/24

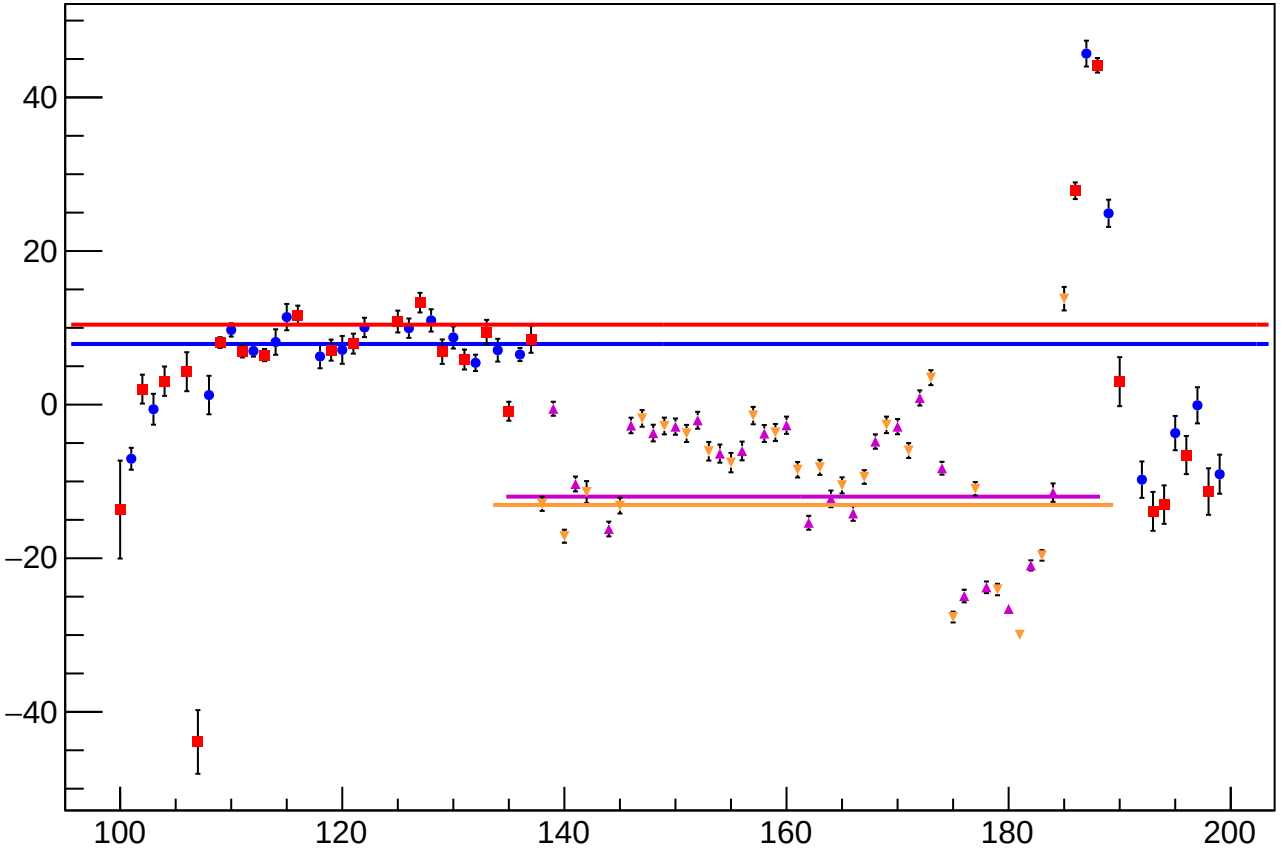
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -40.016+/-0.012 χ^2/NDF: 151657.2/45

All: -40.078+/-0.008 χ^2/NDF: 306697.3/93

- sign -40.140+/-0.012 χ^2/NDF: 154984.5/47

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.896+/-0.291 χ^2/NDF: 900.3/21

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 10.413+/-0.268 χ^2/NDF: 2201.4/24

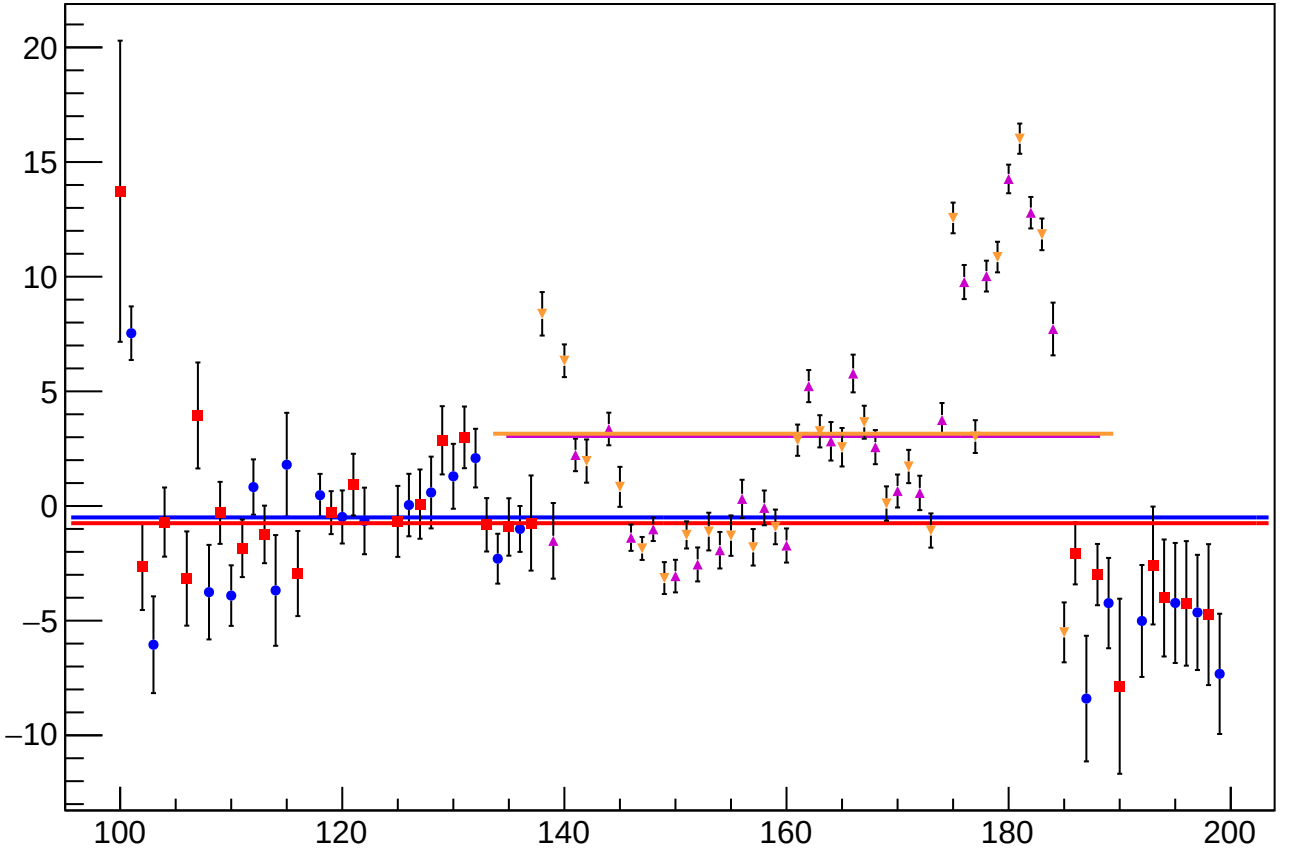
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.653+/-0.161 χ^2/NDF: 7377.3/45

All: -5.414+/-0.113 χ^2/NDF: 16420.7/93

- sign -4.216+/-0.158 χ^2/NDF: 8926.4/47

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.497+/-0.315 χ^2/NDF: 104.6/21

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.749+/-0.314 χ^2/NDF: 42.3/24

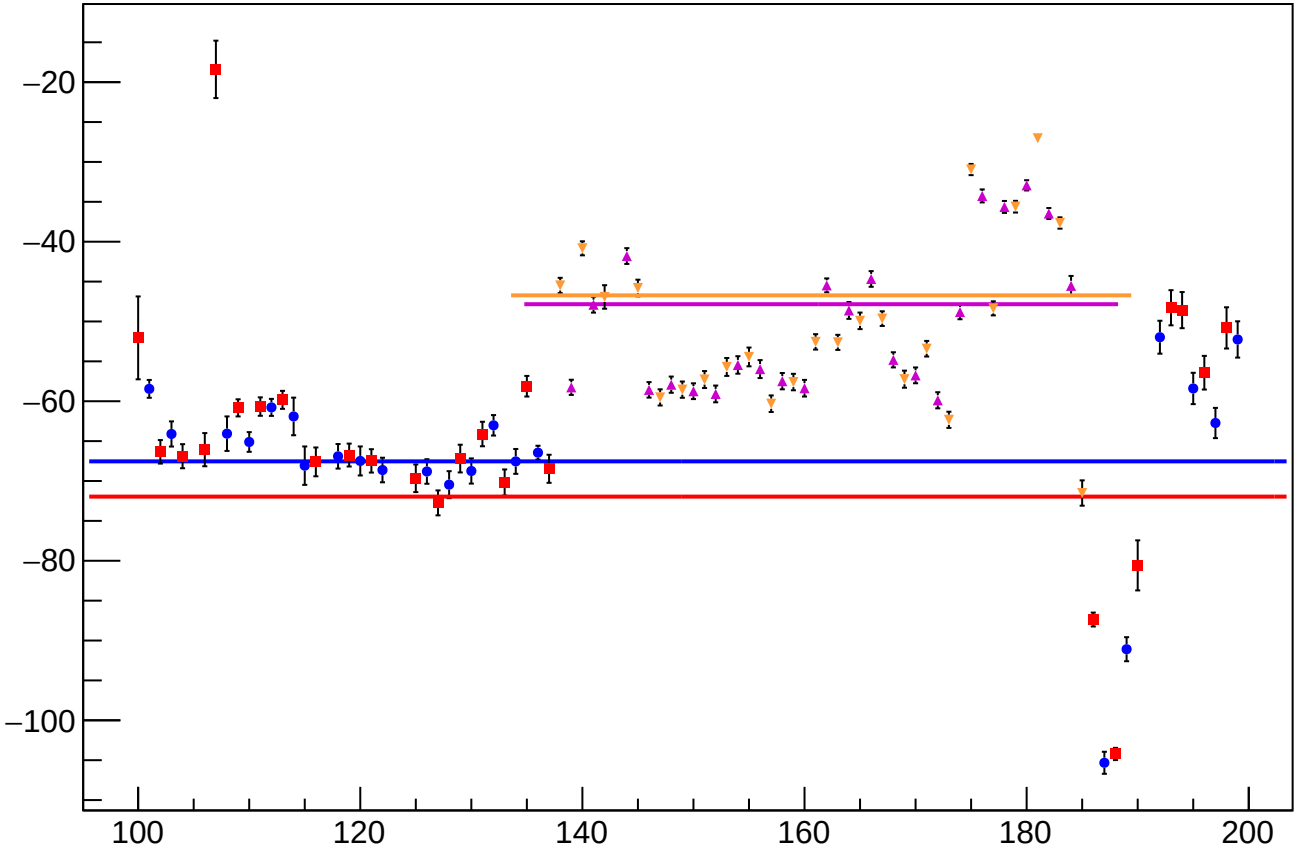
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.483+/-0.135 χ^2/NDF: 1599.6/45

All: 2.409+/-0.096 χ^2/NDF: 2906.6/93

- sign 2.332+/-0.137 χ^2/NDF: 1306.4/47

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -67.538+/-0.318 χ^2/NDF: 1264.7/21

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -71.956+/-0.294 χ^2/NDF: 3209.1/24

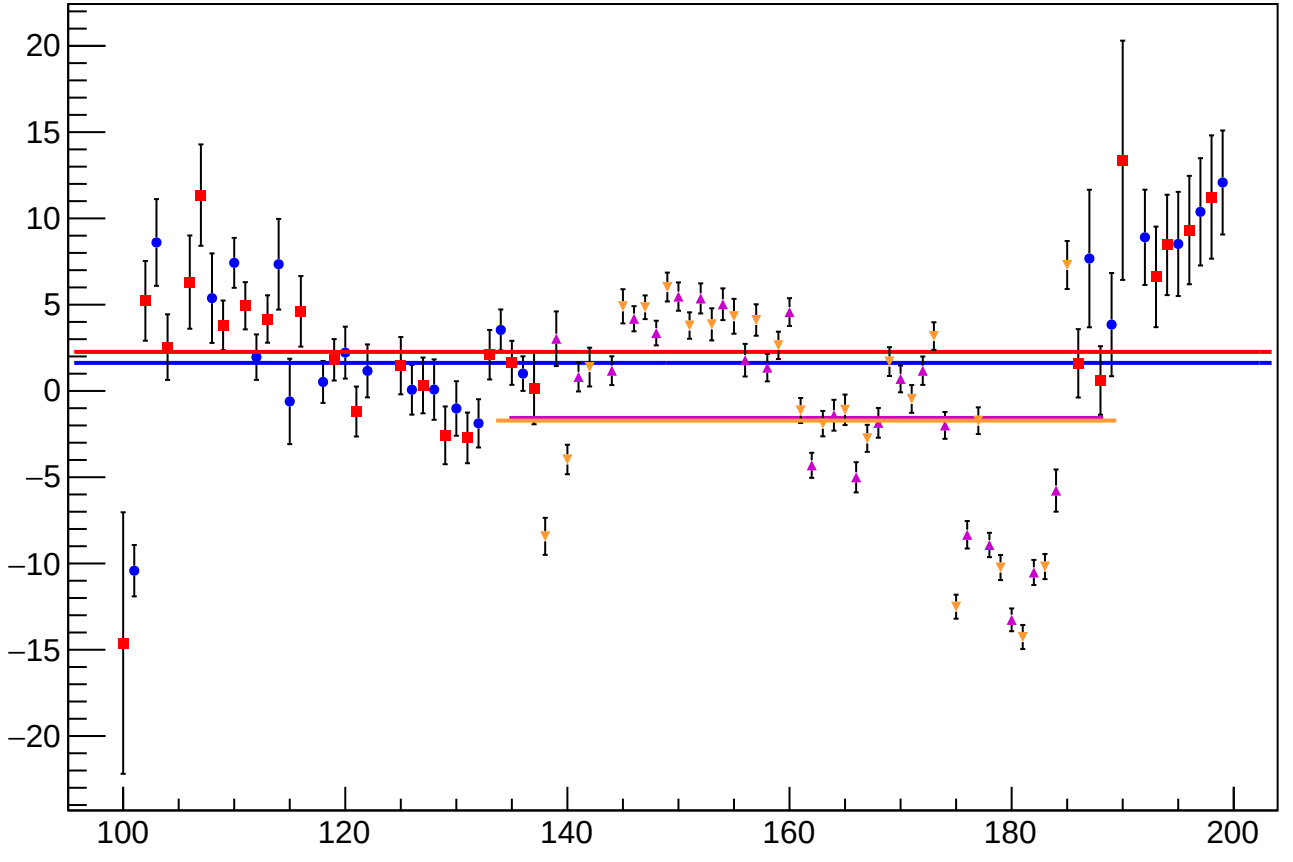
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.274+/-0.164 χ^2/NDF: 7859.2/45

All: -53.735+/-0.115 χ^2/NDF: 18481.0/93

- sign -55.155+/-0.162 χ^2/NDF: 10465.5/47

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.626+/-0.360 χ^2/NDF: 146.9/21

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.264+/-0.364 χ^2/NDF: 76.8/24

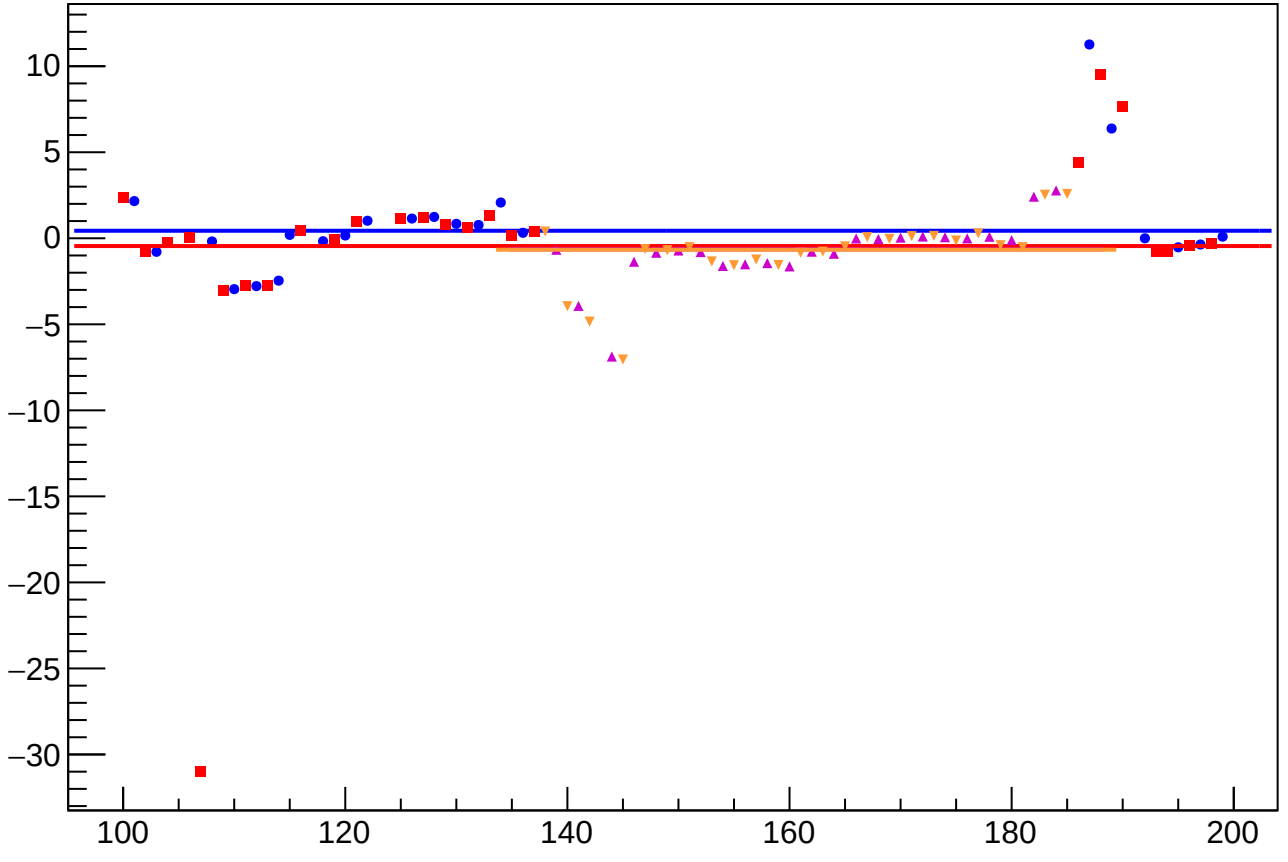
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.121+/-0.152 χ^2/NDF: 1624.0/45

All: -1.001+/-0.108 χ^2/NDF: 2910.3/93

- sign -0.878+/-0.155 χ^2/NDF: 1285.1/47

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.437+/-0.019 χ^2/NDF: 9631.2/21

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.452+/-0.019 χ^2/NDF: 59941.1/24

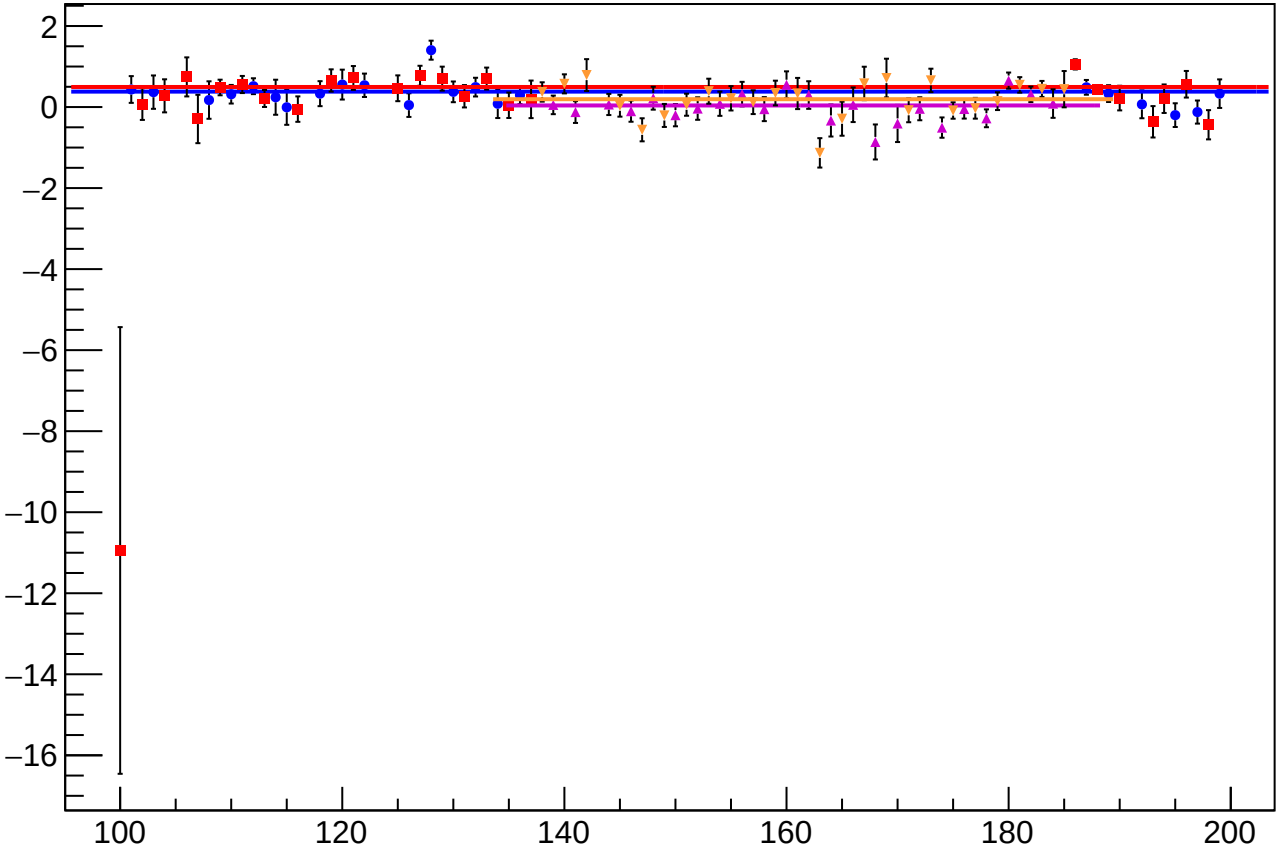
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.515+/-0.007 χ^2/NDF: 67860.2/45

All: -0.567+/-0.005 χ^2/NDF: 173572.3/93

- sign -0.621+/-0.007 χ^2/NDF: 105597.5/47

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.381+/-0.059 χ^2/NDF: 32.0/21

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.495+/-0.050 χ^2/NDF: 52.2/24

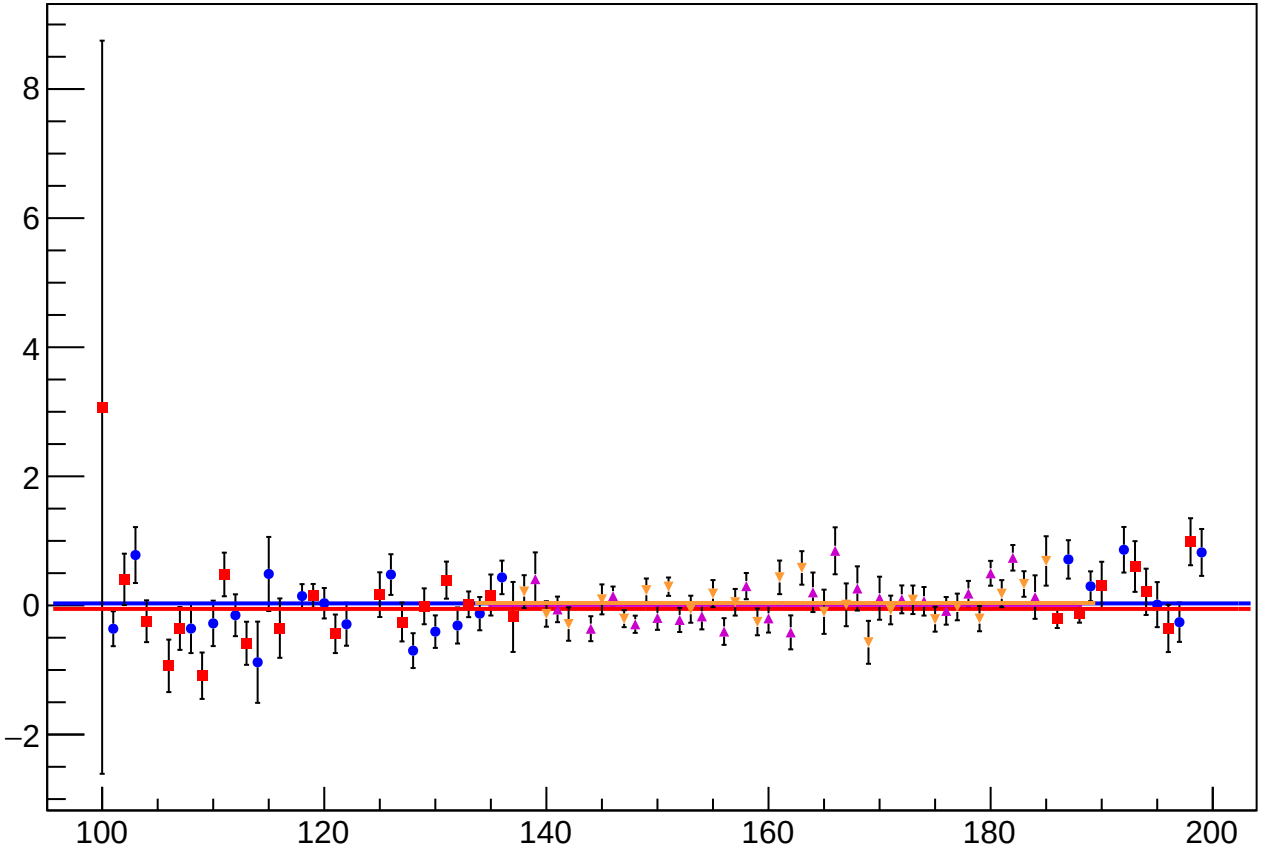
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.284+/-0.041 χ^2/NDF: 81.4/45

All: 0.293+/-0.028 χ^2/NDF: 200.1/93

- sign 0.300+/-0.038 χ^2/NDF: 118.6/47

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.031+/-0.063 χ^2/NDF: 45.7/21

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.054+/-0.057 χ^2/NDF: 42.2/24

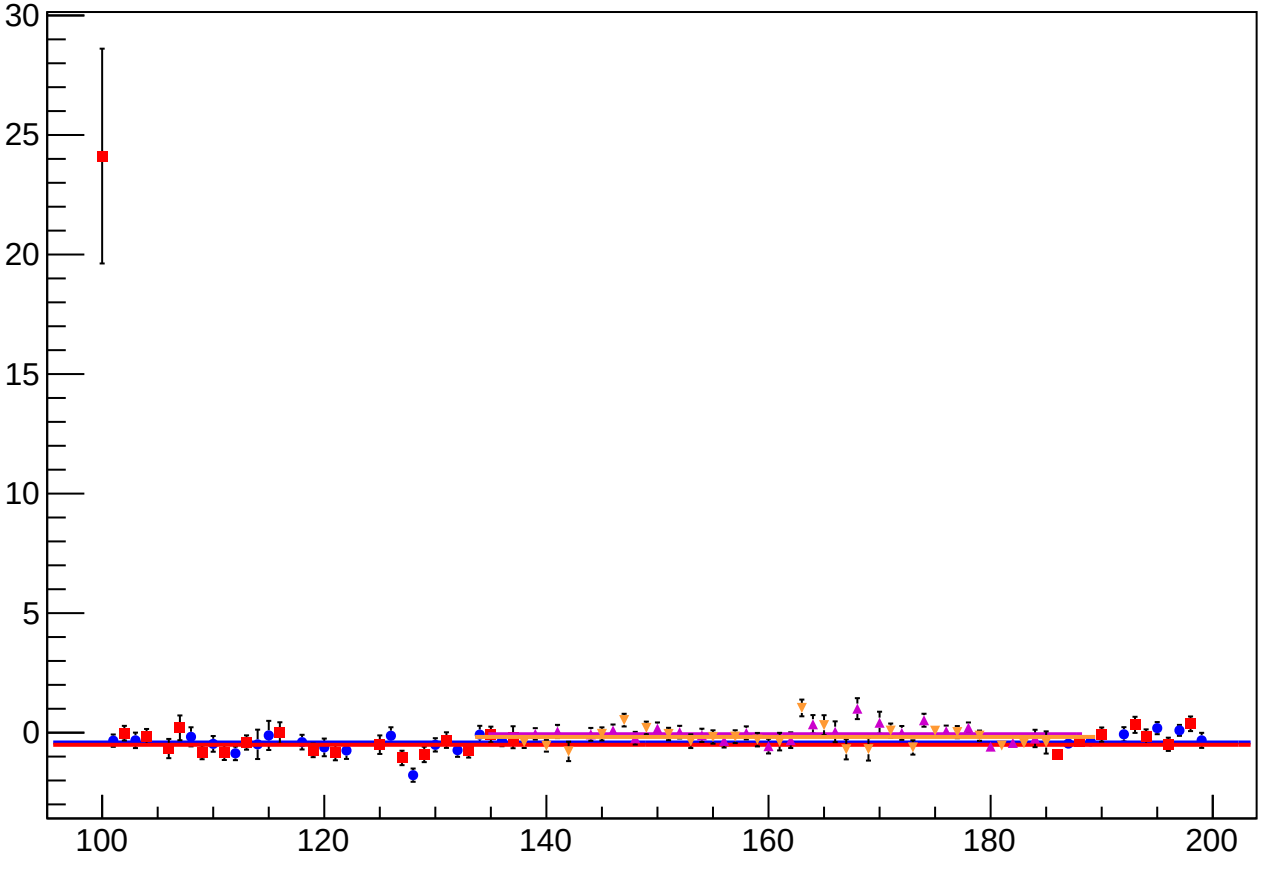
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.036+/-0.036 χ^2/NDF: 78.5/45

All: 0.010+/-0.025 χ^2/NDF: 173.9/93

- sign -0.015+/-0.035 χ^2/NDF: 94.4/47

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.411+/-0.059 χ^2/NDF: 43.8/21

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.507+/-0.047 χ^2/NDF: 83.4/24

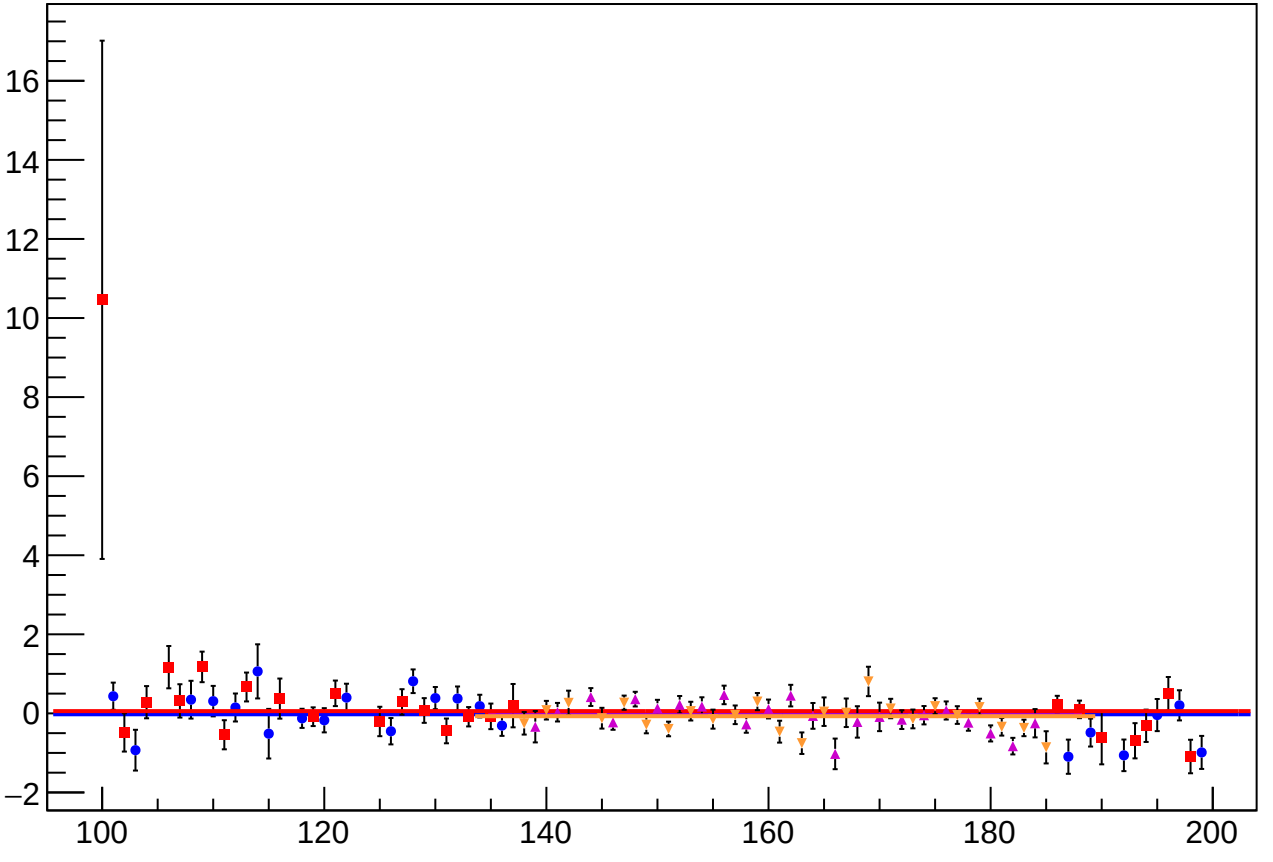
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.290+/-0.041 χ^2/NDF: 94.2/45

All: -0.310+/-0.027 χ^2/NDF: 245.0/93

- sign -0.327+/-0.036 χ^2/NDF: 150.4/47

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.023+/-0.074 χ^2/NDF: 46.7/21

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.057+/-0.070 χ^2/NDF: 43.0/24

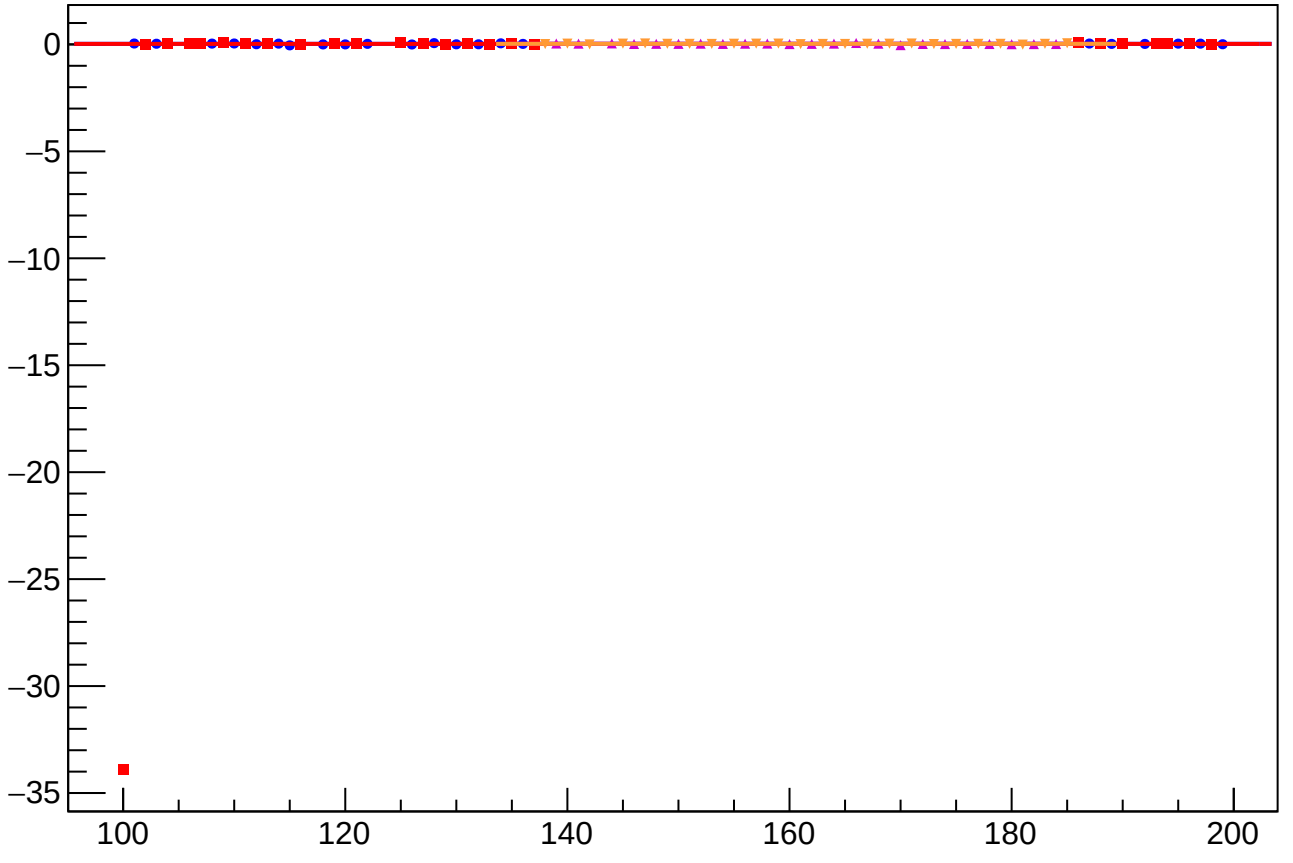
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.057+/-0.041 χ^2/NDF: 84.8/45

All: -0.034+/-0.029 χ^2/NDF: 180.3/93

- sign -0.012+/-0.041 χ^2/NDF: 94.9/47

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.027+/-0.004 χ^2/NDF: 18.6/21

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.024+/-0.004 χ^2/NDF: 22306.4/24

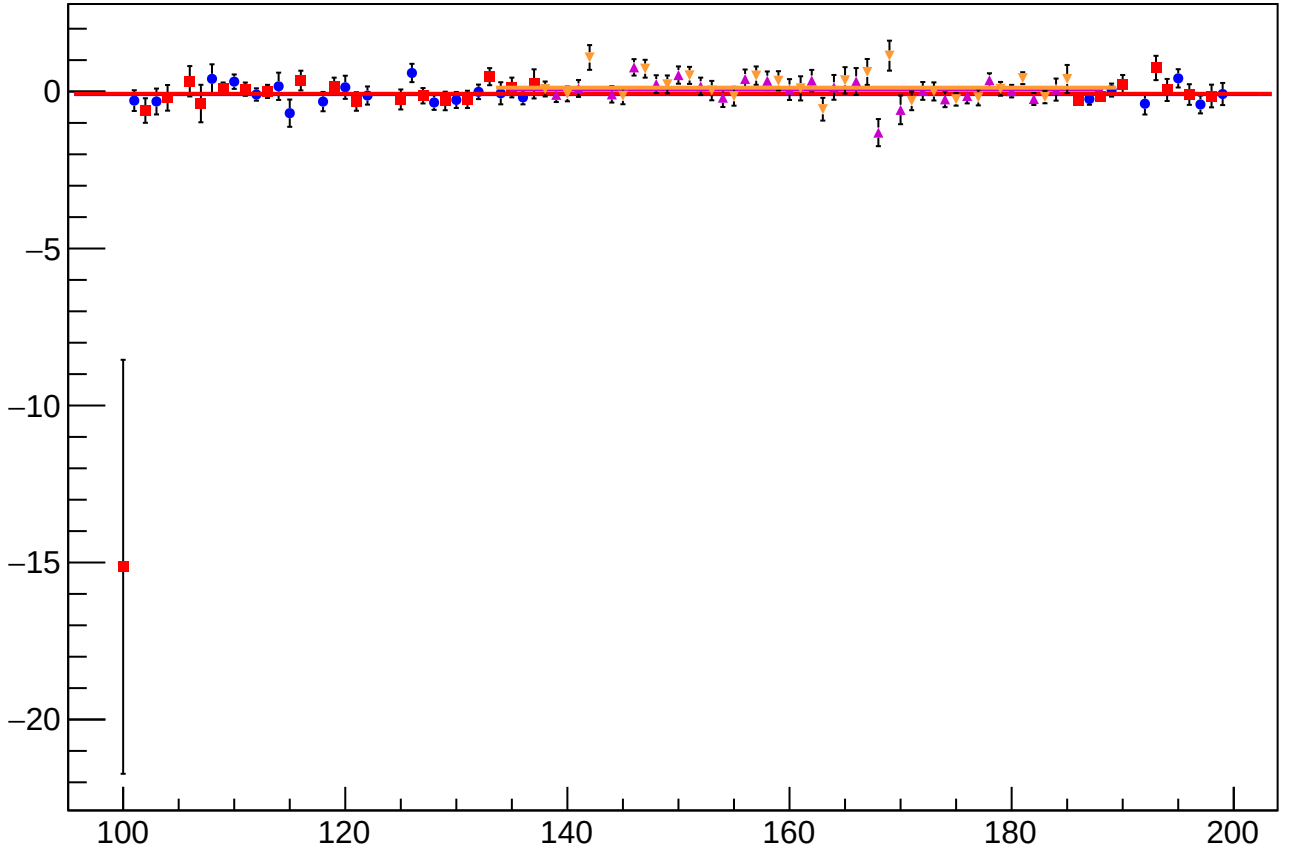
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 50.0/45

All: 0.026+/-0.001 χ^2/NDF: 22396.3/93

- 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: 21.8/21

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.073+/-0.050 χ^2/NDF: 28.5/24

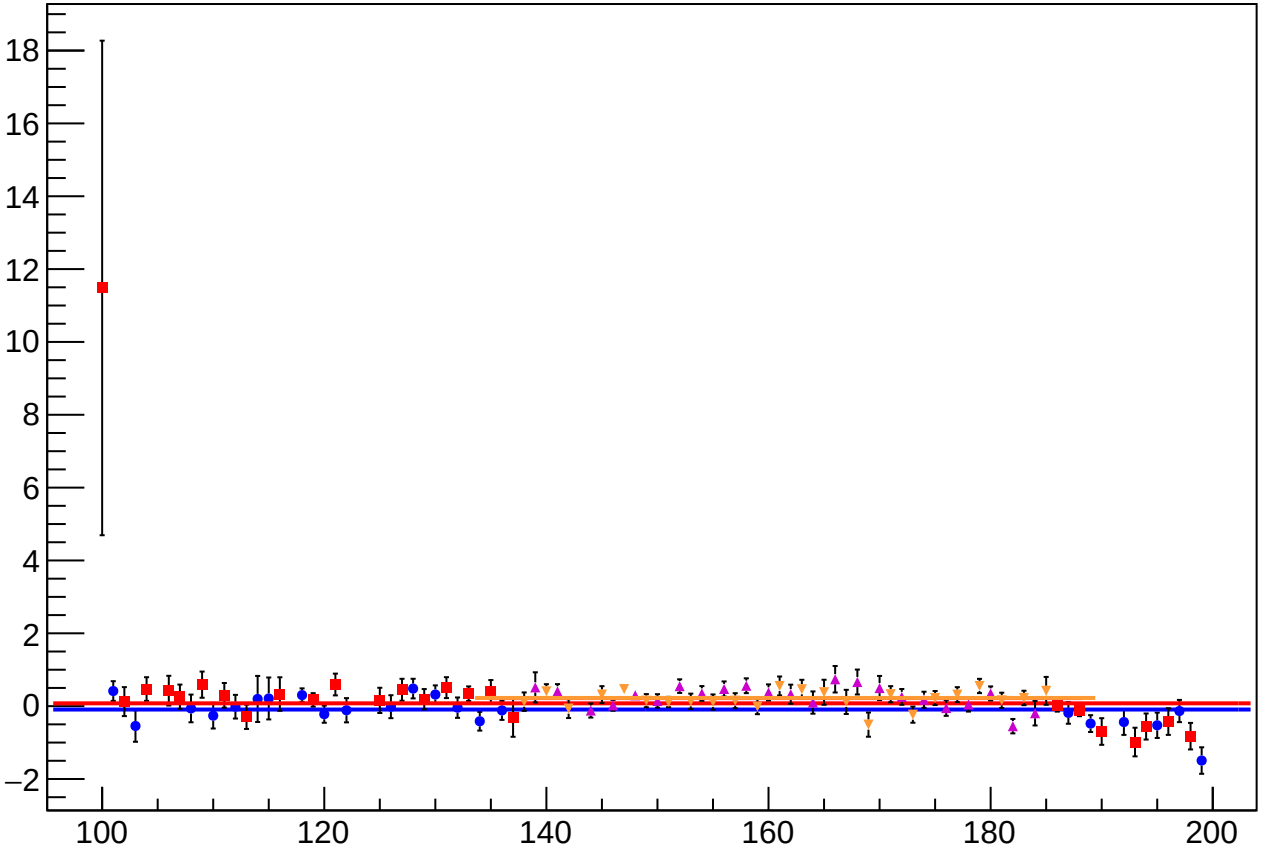
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.023+/-0.041 χ^2/NDF: 67.7/45

All: 0.003+/-0.028 χ^2/NDF: 134.1/93

- sign -0.014+/-0.038 χ^2/NDF: 66.0/47

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.093+/-0.063 χ^2/NDF: 39.4/21

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.077+/-0.057 χ^2/NDF: 44.9/24

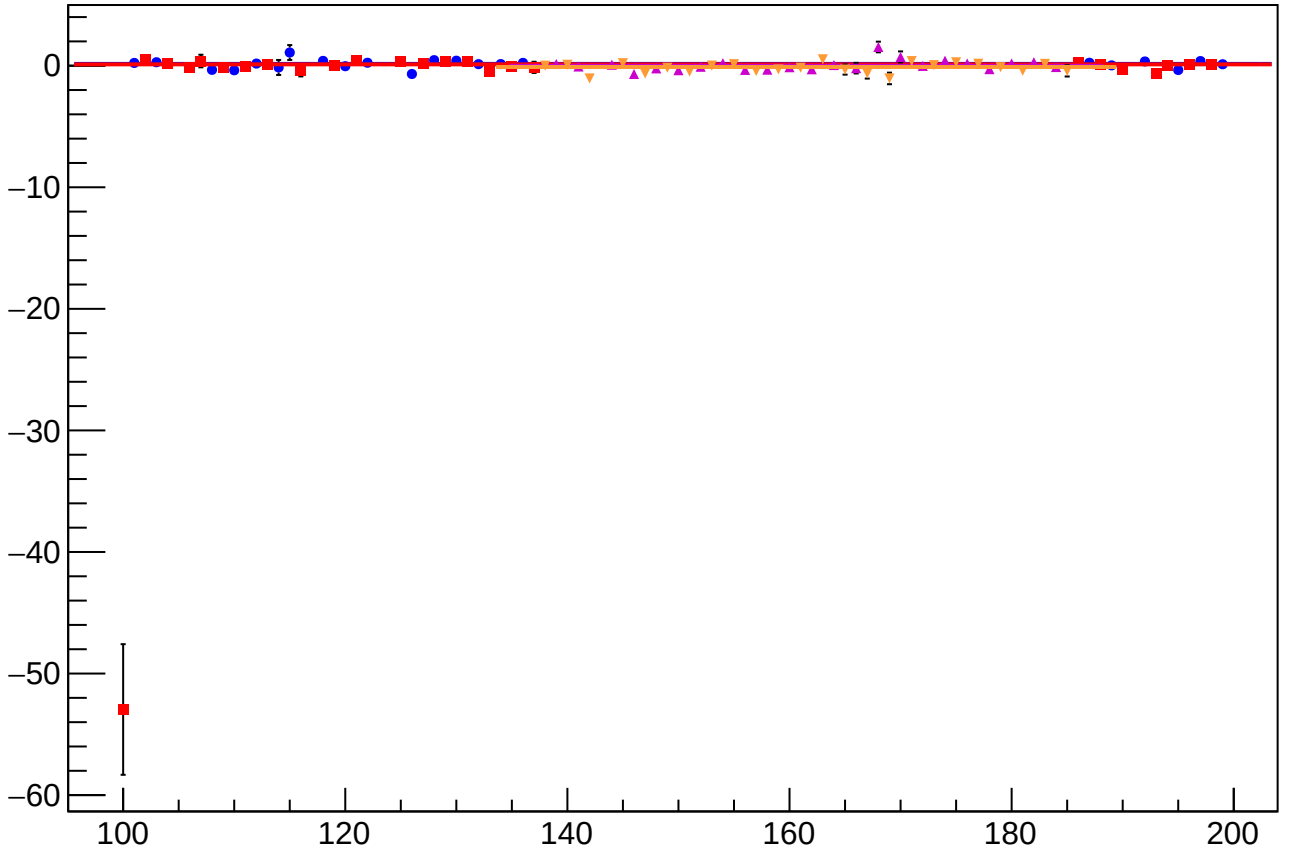
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.123+/-0.036 χ^2/NDF: 80.8/45

All: 0.146+/-0.025 χ^2/NDF: 169.8/93

- sign 0.167+/-0.035 χ^2/NDF: 88.2/47

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.147+/-0.059 χ^2/NDF: 21.9/21

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.112+/-0.047 χ^2/NDF: 118.4/24

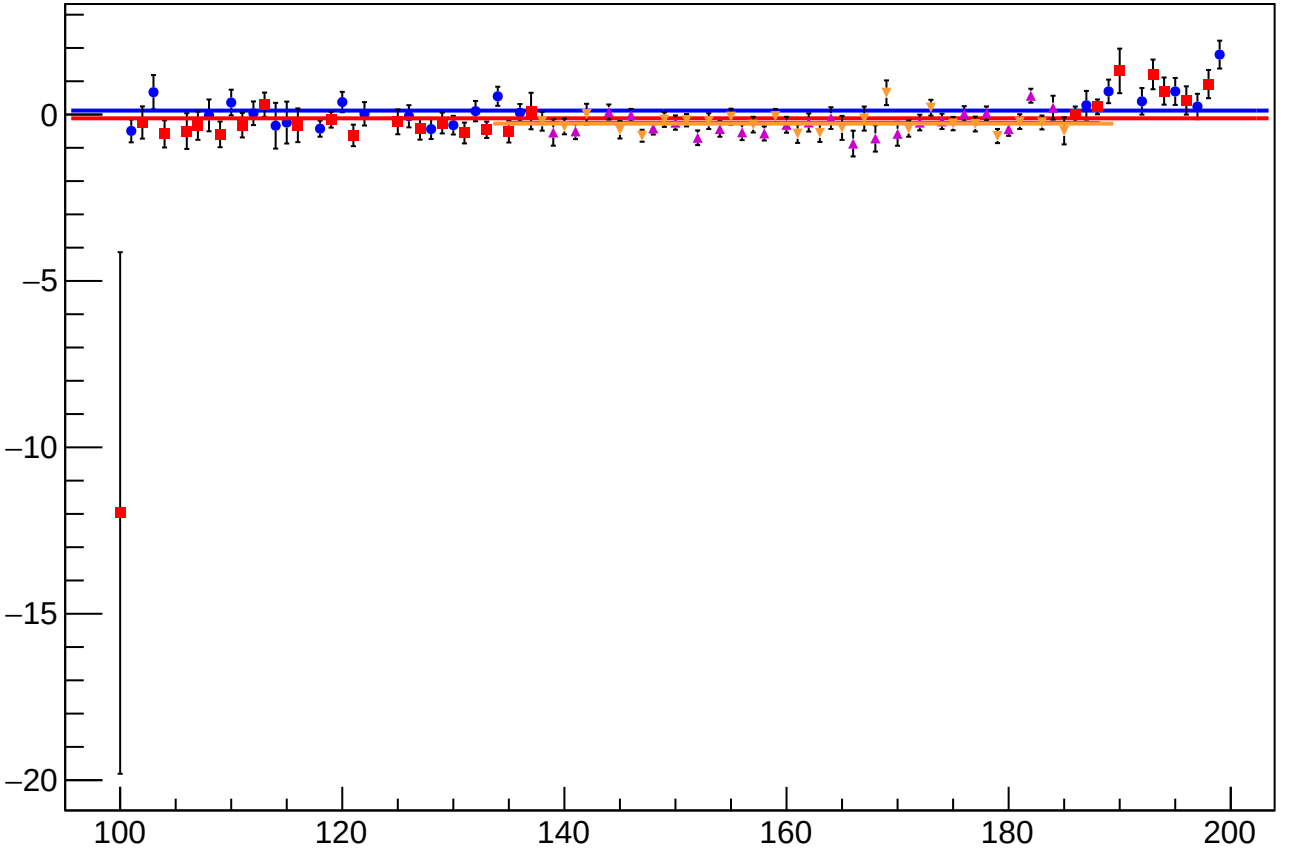
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.016+/-0.041 χ^2/NDF: 69.1/45

All: 0.042+/-0.027 χ^2/NDF: 228.9/93

- sign 0.063+/-0.036 χ^2/NDF: 159.0/47

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.119+/-0.074 χ^2/NDF: 41.5/21

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.114+/-0.070 χ^2/NDF: 44.7/24

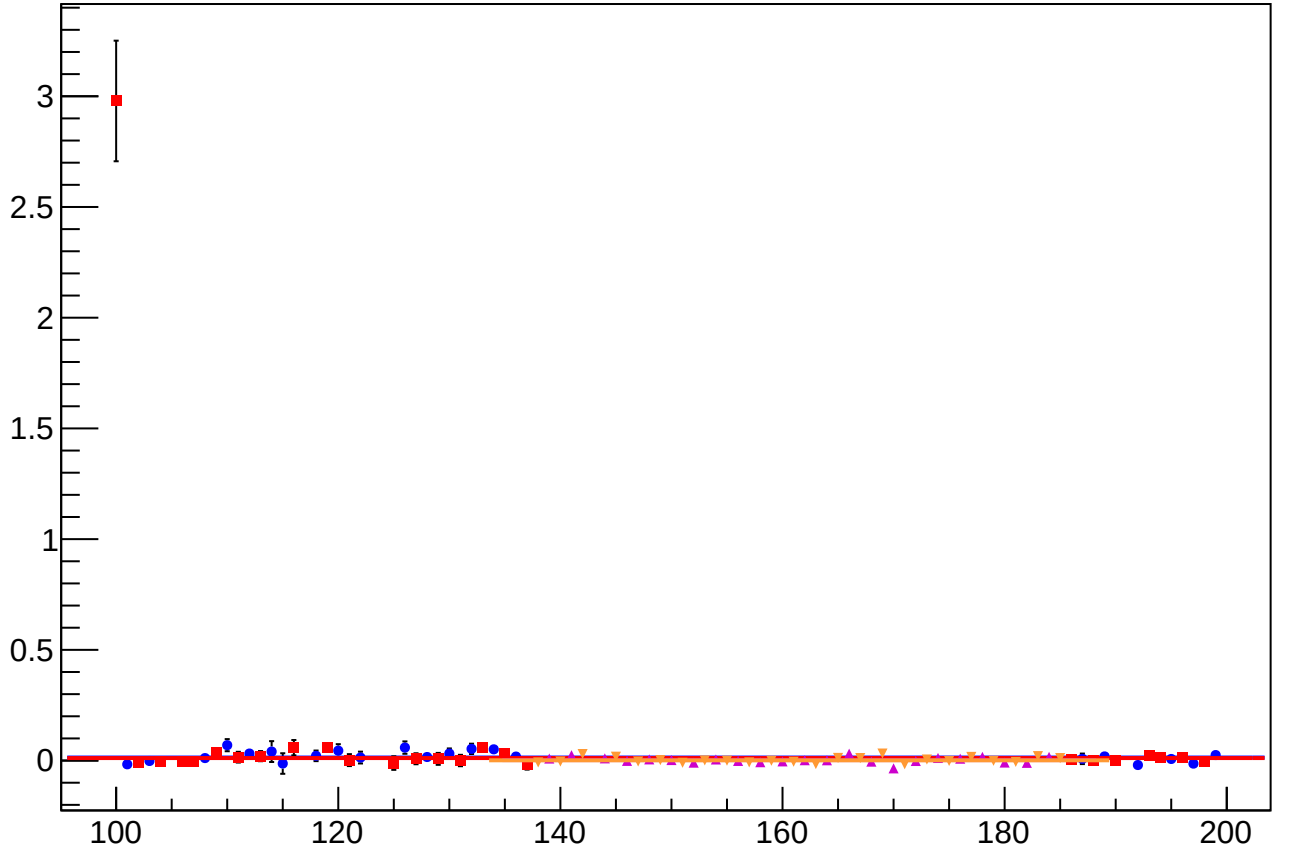
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.153+/-0.041 χ^2/NDF: 85.4/45

All: -0.180+/-0.029 χ^2/NDF: 174.2/93

- sign -0.207+/-0.041 χ^2/NDF: 87.9/47

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.014+/-0.004 χ^2/NDF: 37.9/21

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.011+/-0.004 χ^2/NDF: 145.2/24

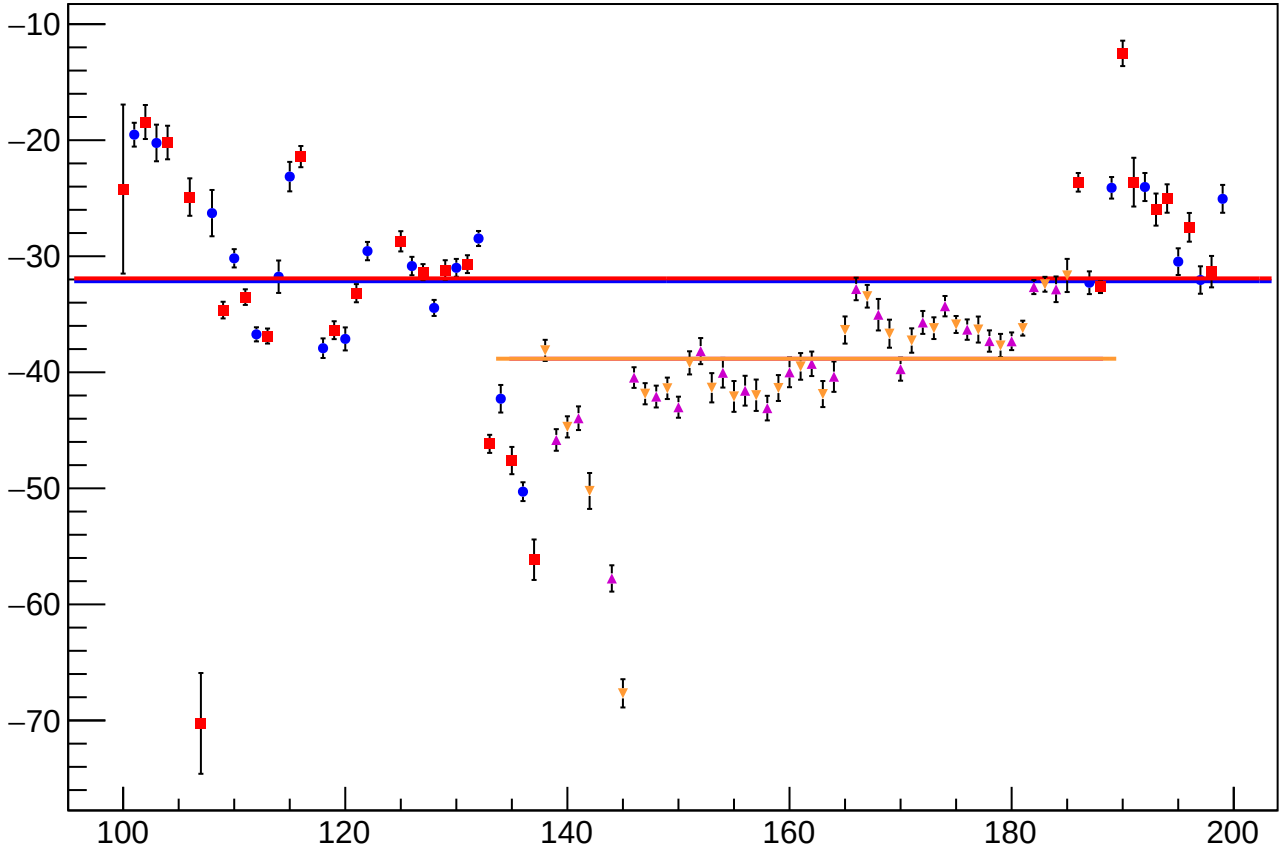
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 73.0/45

All: 0.005+/-0.001 χ^2/NDF: 247.5/93

- sign 0.005+/-0.002 χ^2/NDF: 174.5/47

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -32.150+/-0.196 χ^2/NDF: 1192.0/21

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.909+/-0.183 χ^2/NDF: 1720.7/25

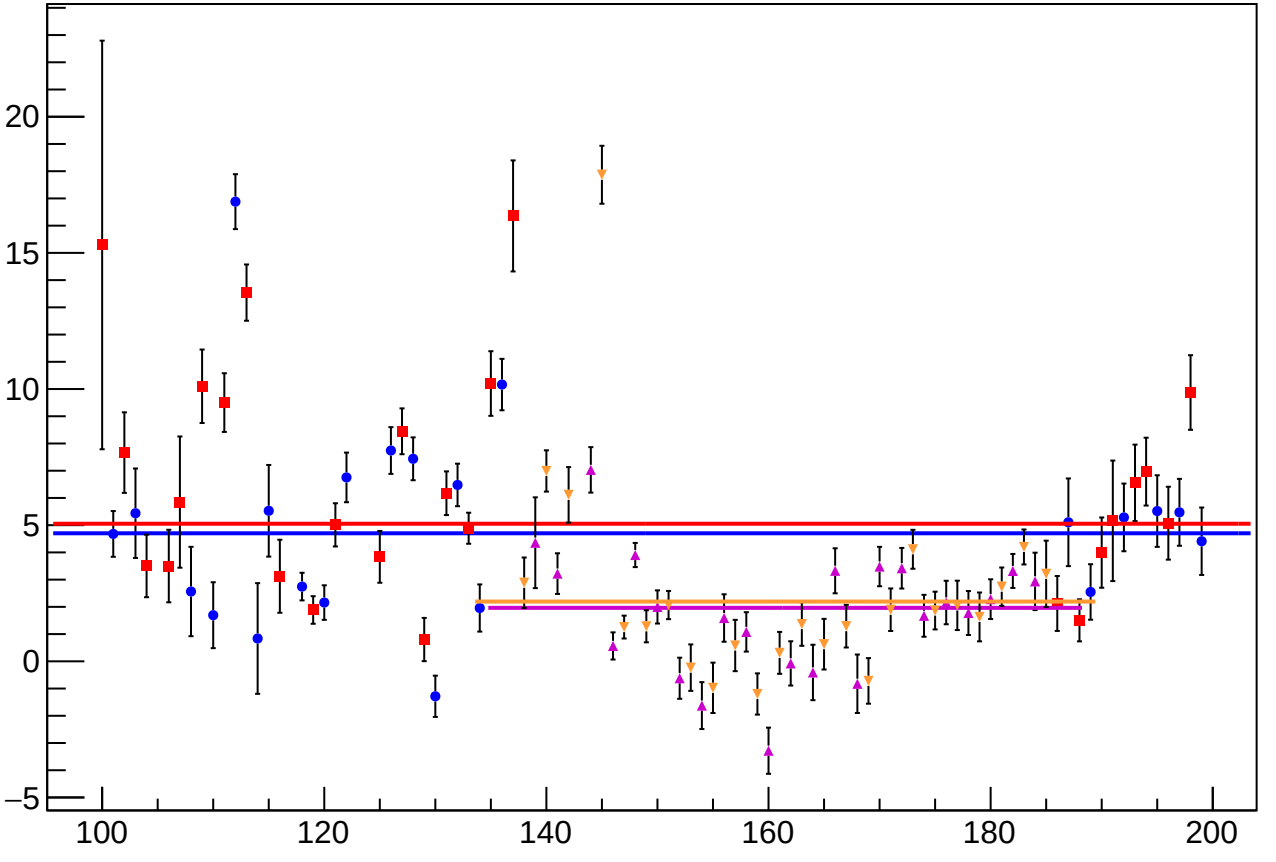
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -35.384+/-0.141 χ^2/NDF: 2672.6/45

All: -35.186+/-0.098 χ^2/NDF: 5692.9/94

- sign -35.001+/-0.136 χ^2/NDF: 3016.5/48

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.702+/-0.201 χ^2/NDF: 335.2/21

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.052+/-0.197 χ^2/NDF: 292.3/25

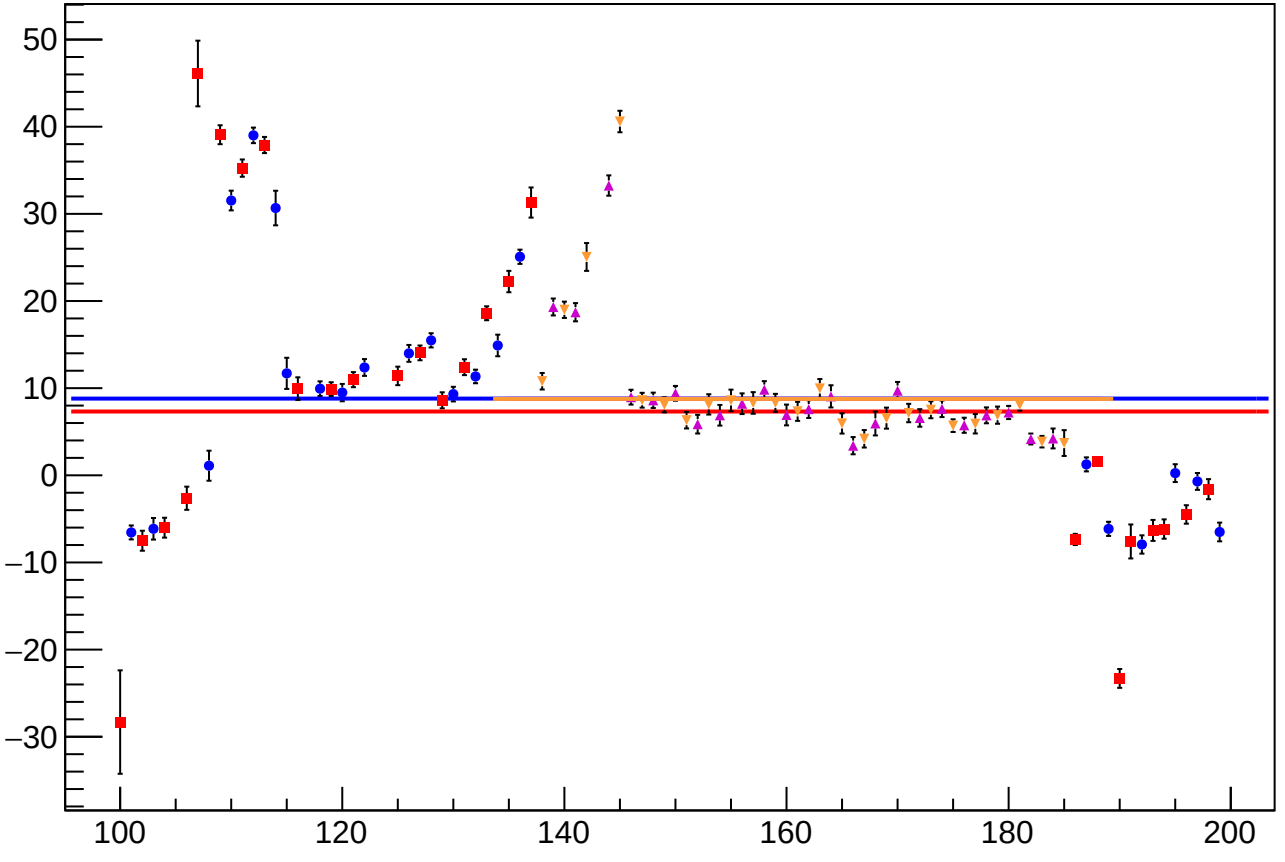
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.107+/-0.121 χ^2/NDF: 799.1/45

All: 3.125+/-0.086 χ^2/NDF: 1416.6/94

- sign 3.142+/-0.122 χ^2/NDF: 617.5/48

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 8.804+/-0.207 χ^2/NDF: 3799.7/21

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 7.320+/-0.190 χ^2/NDF: 5934.0/25

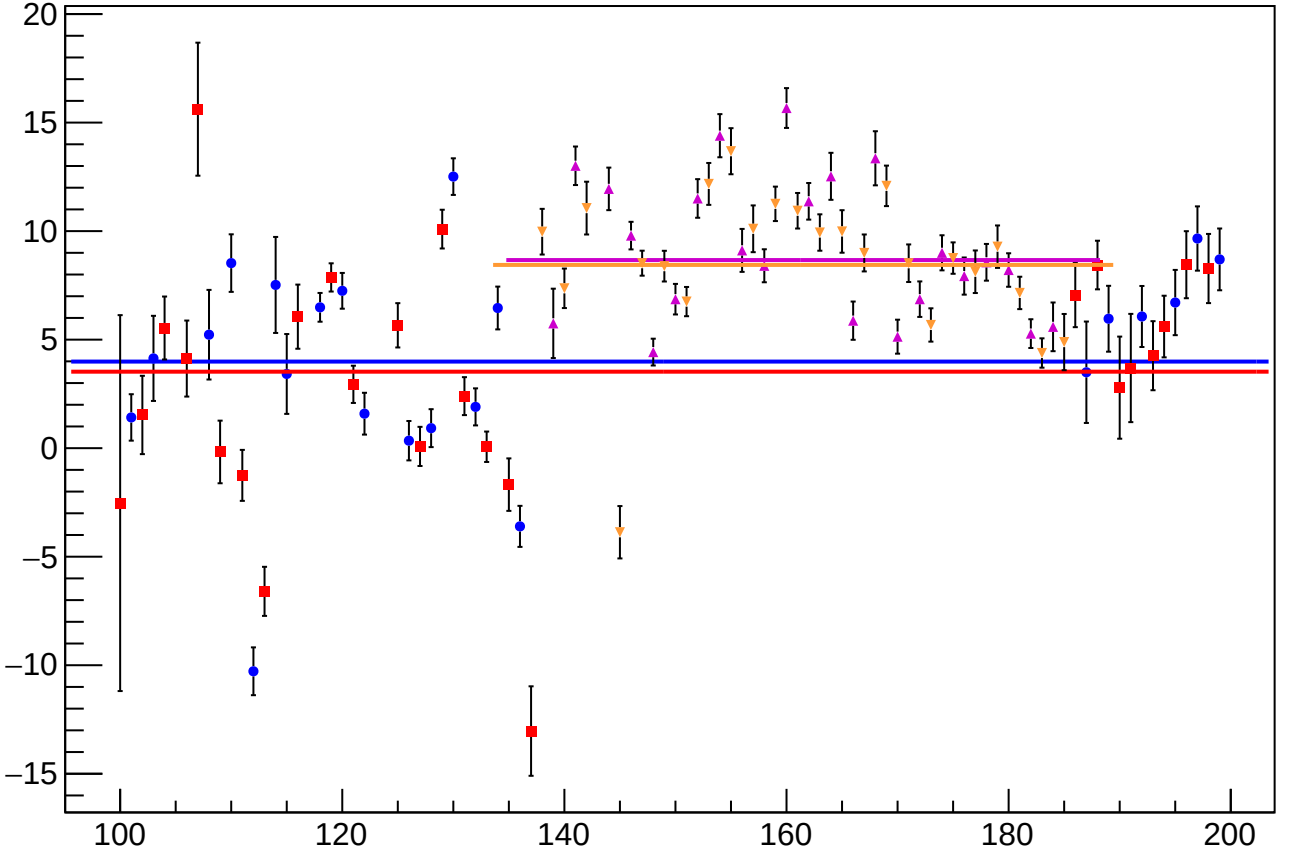
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

\+ sign 8.784+/-0.144 χ^2/NDF: 4835.1/45

All: 8.378+/-0.100 χ^2/NDF: 11607.0/94

\- sign 8.004+/-0.138 χ^2/NDF: 6756.7/48

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.990+/-0.235 χ^2/NDF: 464.5/21

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.524+/-0.233 χ^2/NDF: 399.3/25

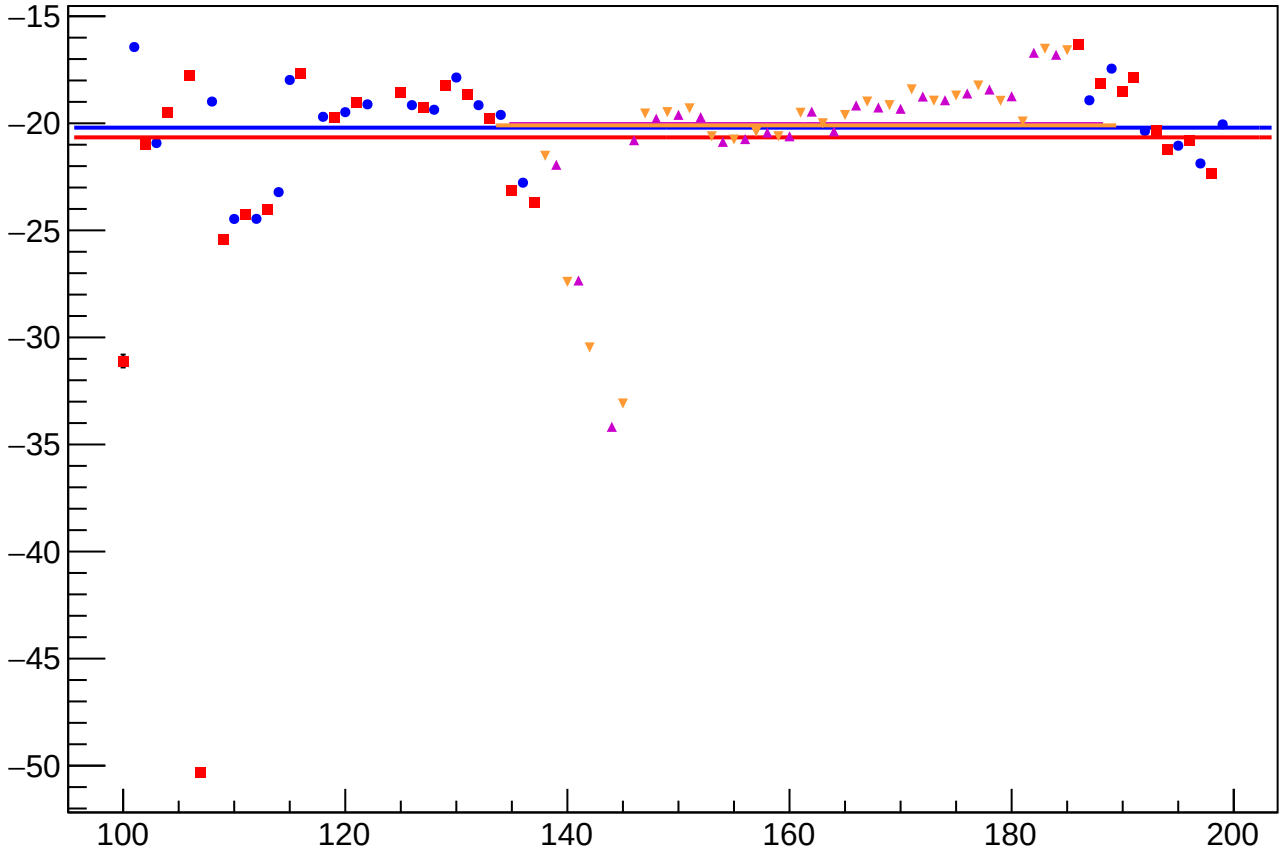
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.874+/-0.140 χ^2/NDF: 960.6/45

All: 6.839+/-0.099 χ^2/NDF: 1975.3/94

\- sign 6.803+/-0.140 χ^2/NDF: 1014.6/48

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.203+/-0.013 χ^2/NDF: 23758.9/21

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.657+/-0.012 χ^2/NDF: 66204.1/25

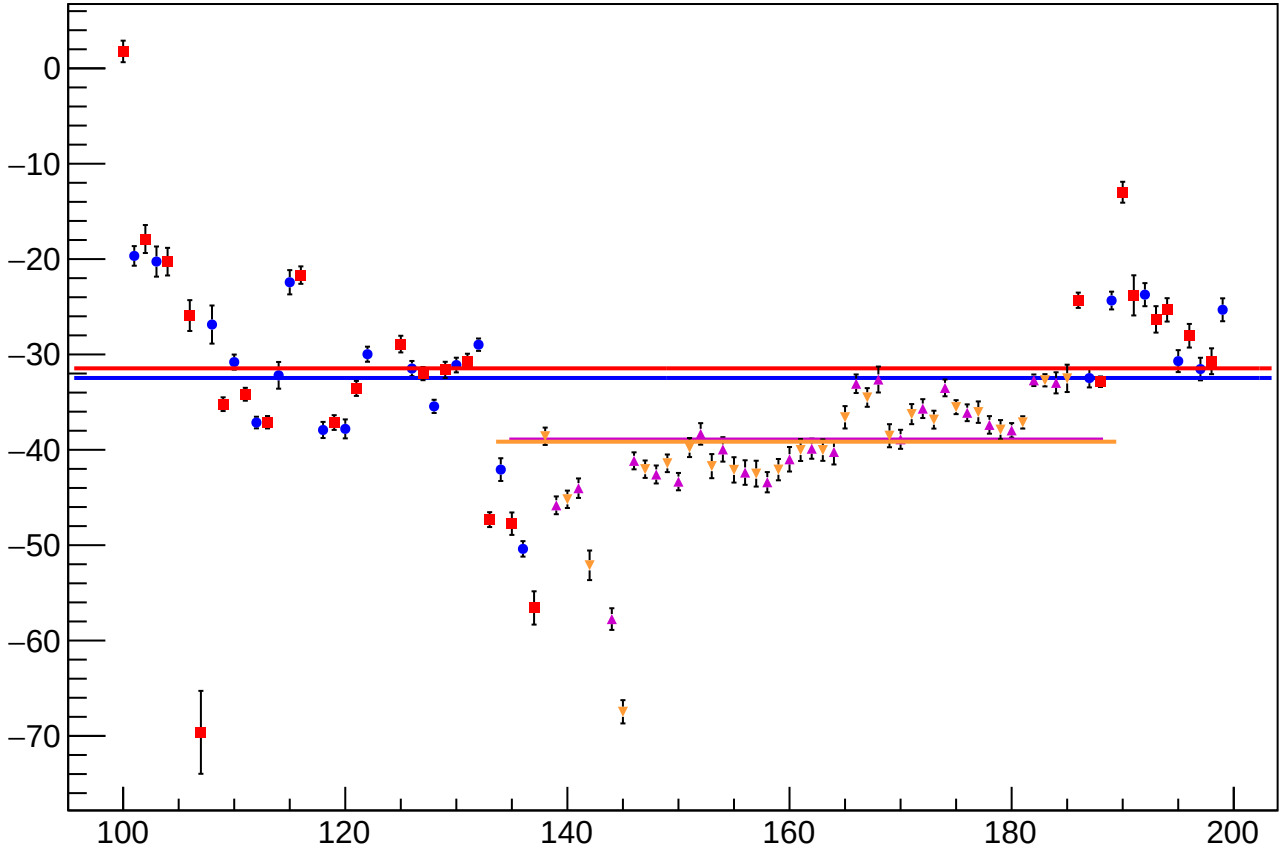
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.126+/-0.007 χ^2/NDF: 183104.1/45

All: -20.171+/-0.005 χ^2/NDF: 383454.7/94

- sign -20.215+/-0.007 χ^2/NDF: 200262.8/48

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.466+/-0.196 χ^2/NDF: 1198.7/21

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.456+/-0.181 χ^2/NDF: 2648.1/25

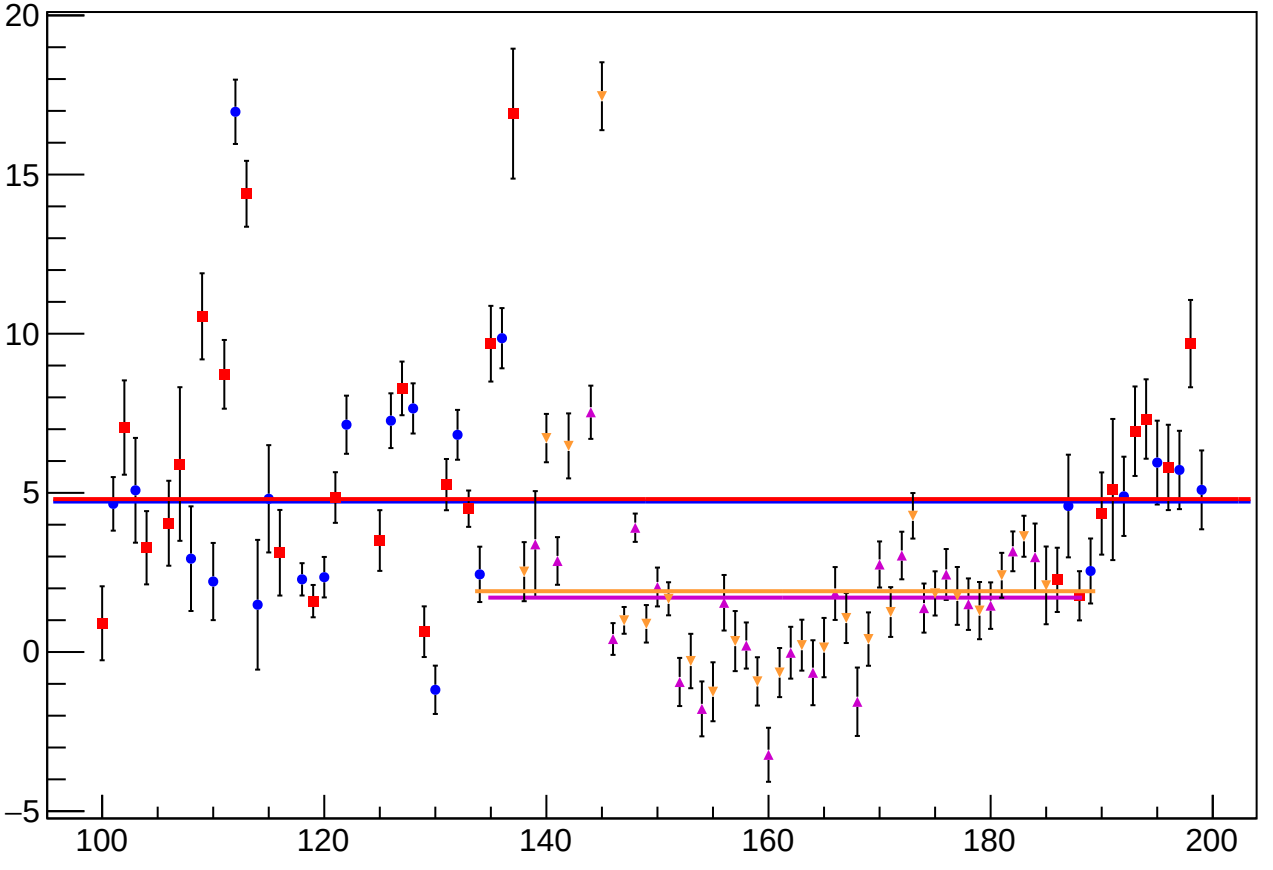
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.702+/-0.141 χ^2/NDF: 2659.3/45

All: -35.202+/-0.098 χ^2/NDF: 6767.5/94

- sign -34.742+/-0.135 χ^2/NDF: 4084.0/48

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.727+/-0.202 χ^2/NDF: 331.9/21

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.804+/-0.195 χ^2/NDF: 314.8/25

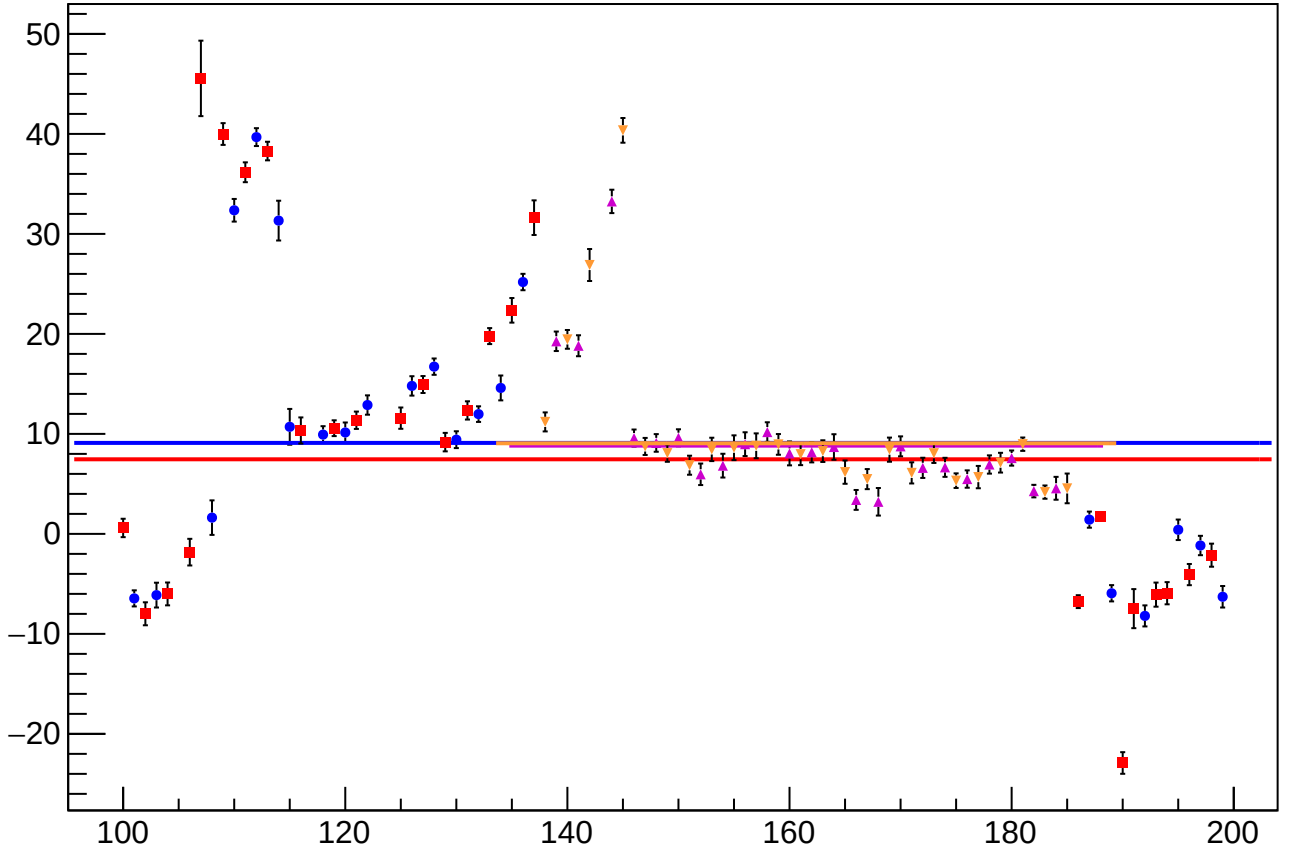
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.935+/-0.122 χ^2/NDF: 815.4/45

All: 2.922+/-0.086 χ^2/NDF: 1467.4/94

- sign 2.910+/-0.121 χ^2/NDF: 652.1/48

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 9.099+/-0.208 χ^2/NDF: 3910.5/21

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 7.459+/-0.186 χ^2/NDF: 6058.6/25

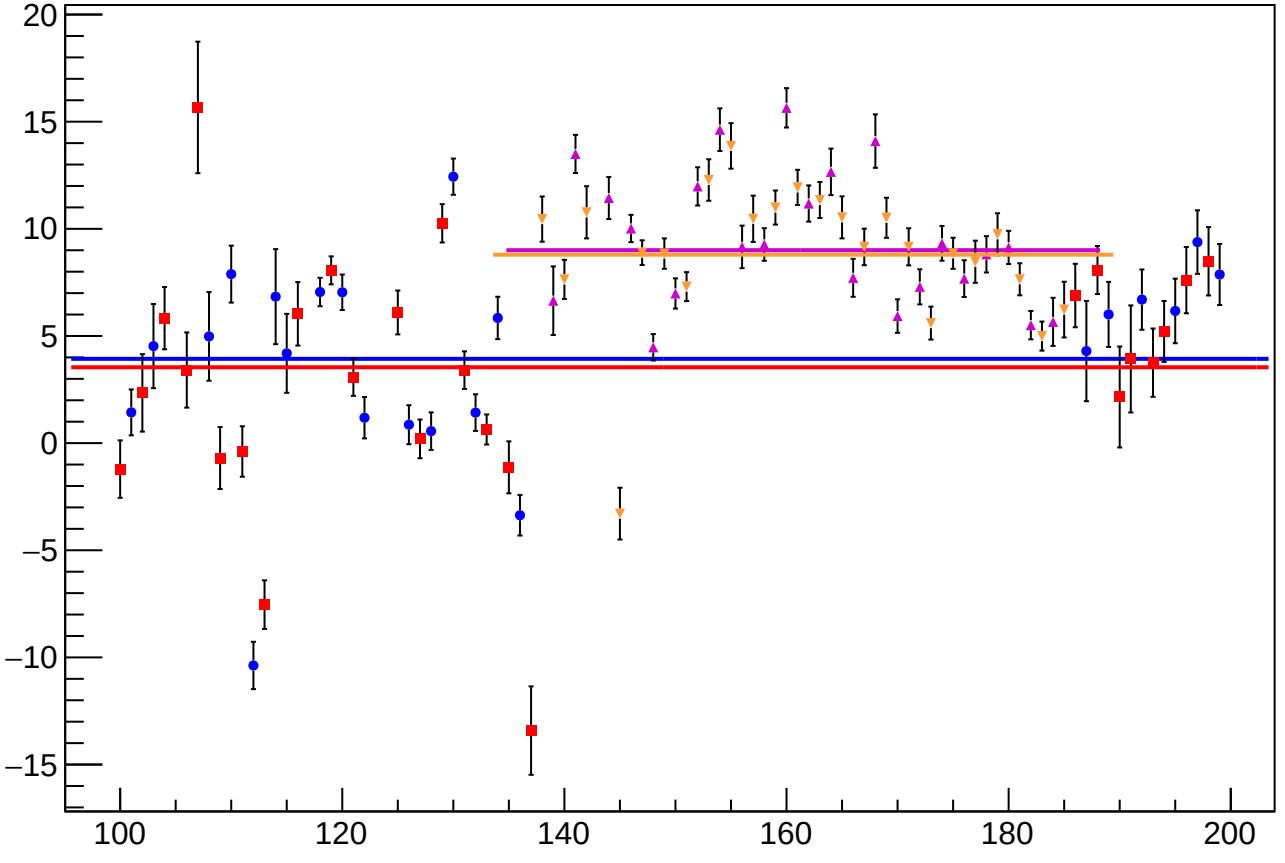
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 9.079+/-0.144 χ^2/NDF: 4944.0/45

All: 8.557+/-0.099 χ^2/NDF: 11853.5/94

- sign 8.088+/-0.137 χ^2/NDF: 6884.8/48

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.933+/-0.236 χ^2/NDF: 457.0/21

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.539+/-0.230 χ^2/NDF: 413.3/25

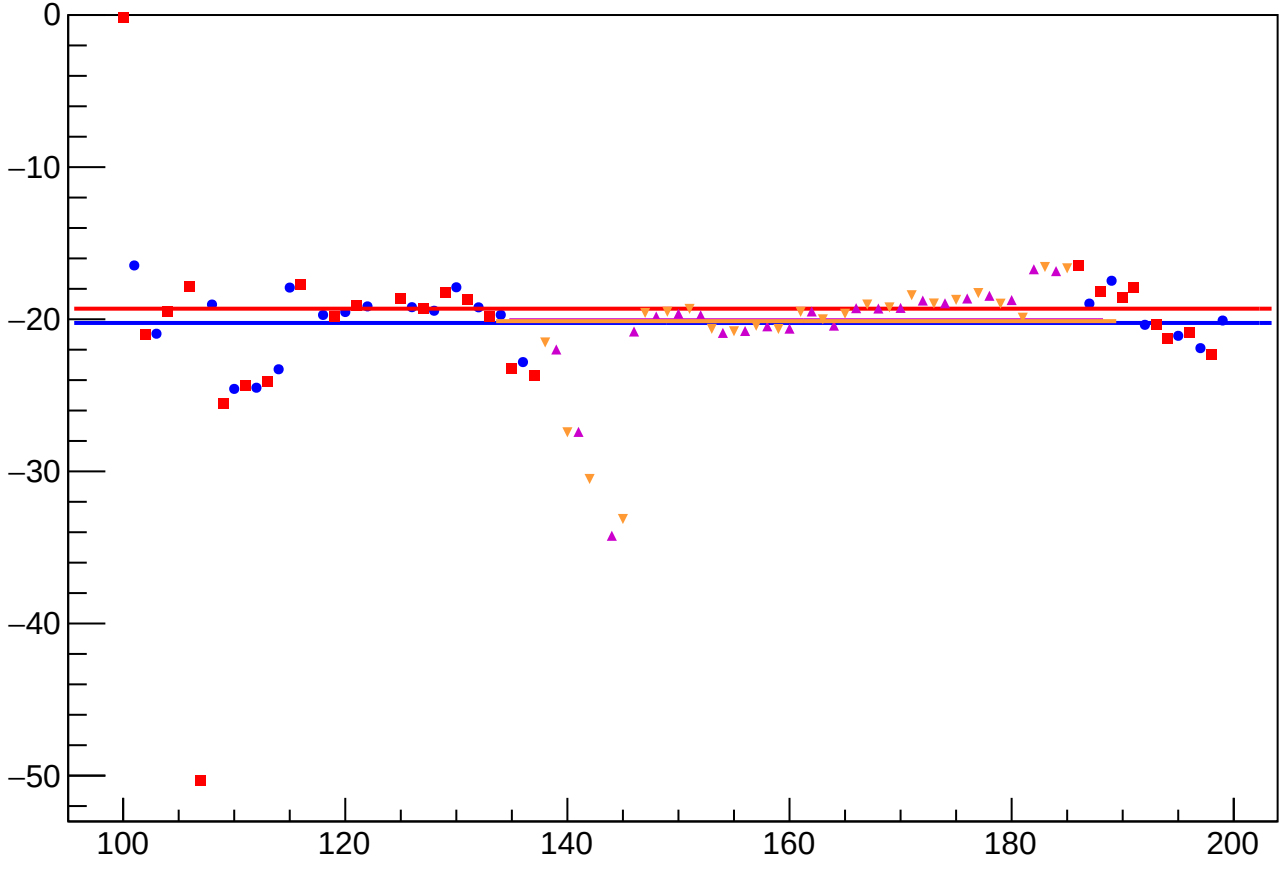
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.082+/-0.140 χ^2/NDF: 976.2/45

All: 7.035+/-0.099 χ^2/NDF: 2035.0/94

- sign 6.988+/-0.140 χ^2/NDF: 1058.7/48

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.243+/-0.013 χ^2/NDF: 23767.4/21

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.304+/-0.012 χ^2/NDF: 245599.1/25

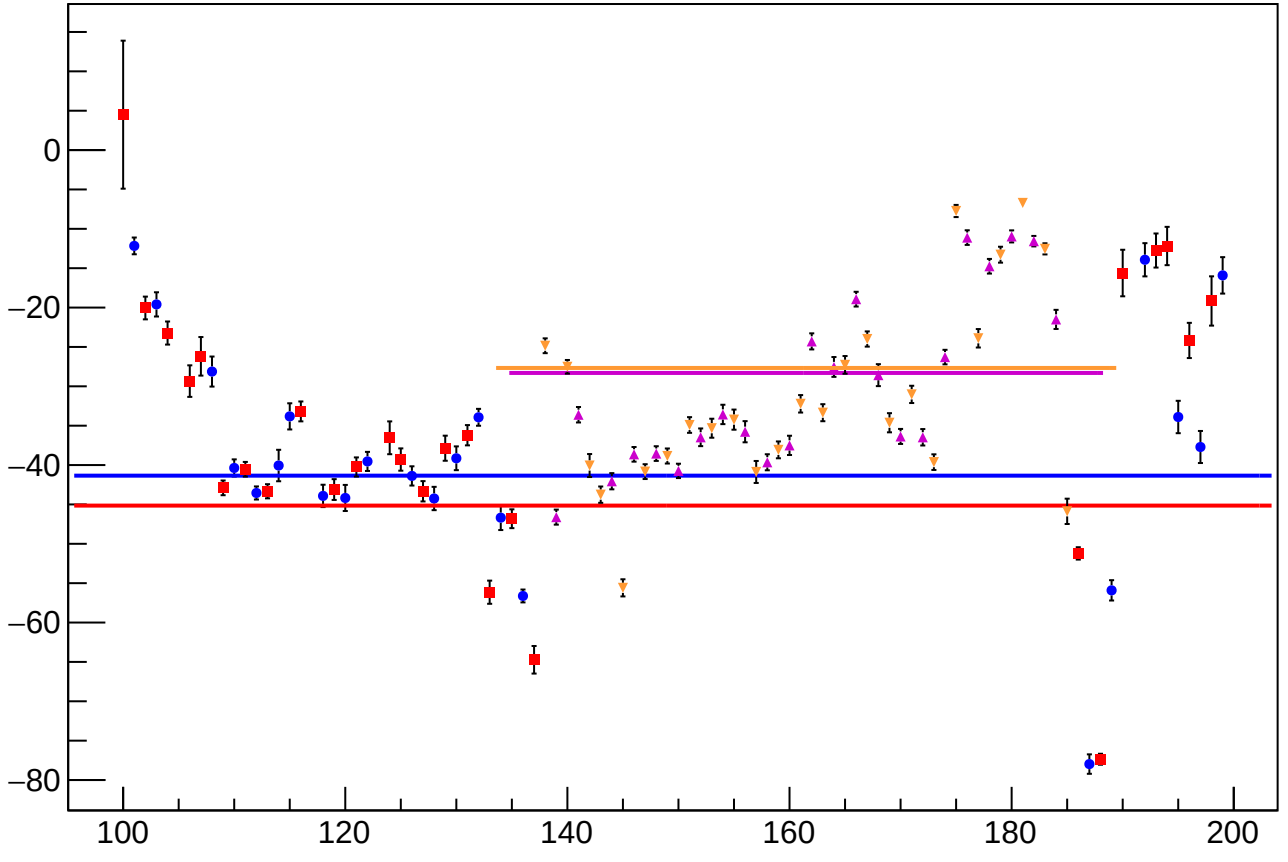
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.157+/-0.007 χ^2/NDF: 182410.3/45

All: -19.994+/-0.005 χ^2/NDF: 564631.7/94

- sign -19.835+/-0.007 χ^2/NDF: 381054.4/48

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -41.346+/-0.283 χ^2/NDF: 2766.0/21

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -45.149+/-0.257 χ^2/NDF: 3973.6/25

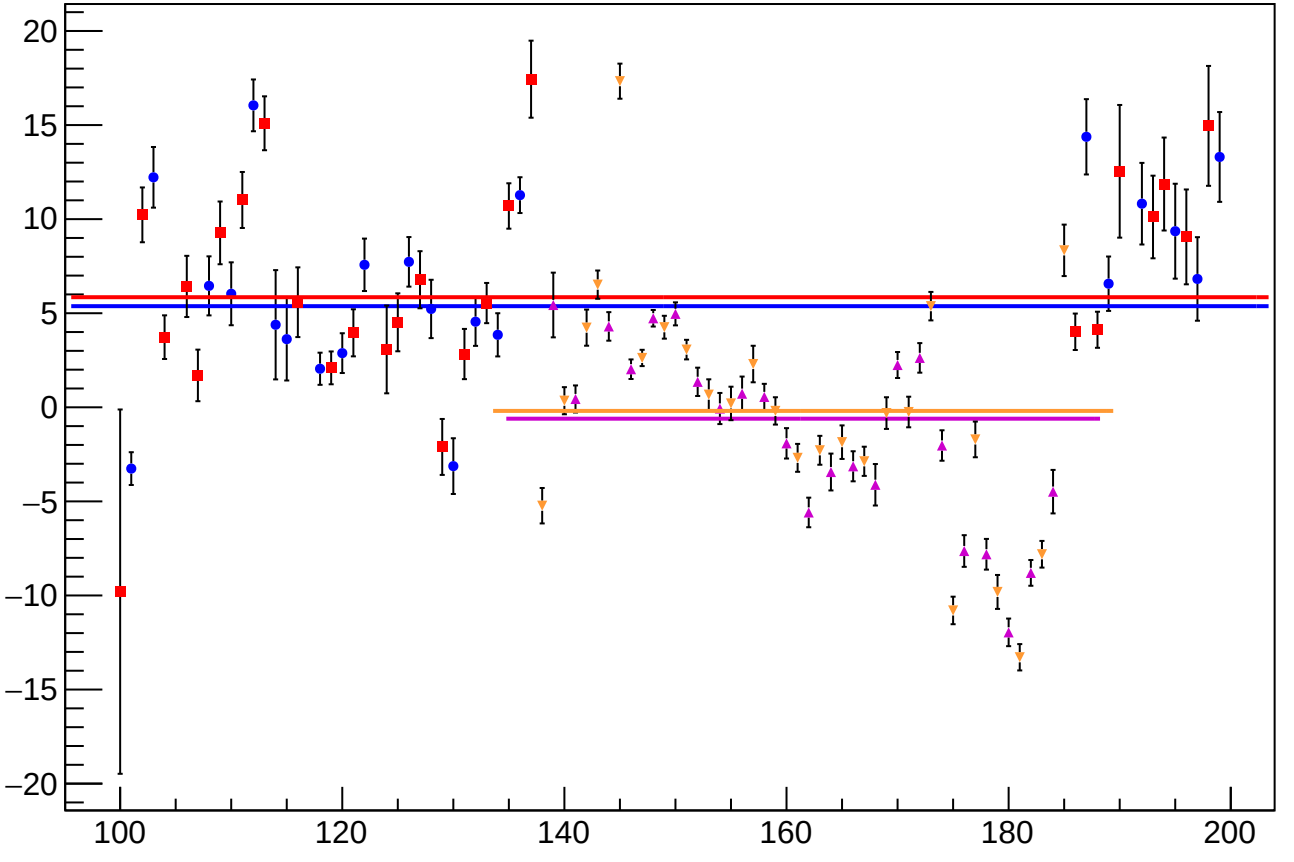
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.243+/-0.164 χ^2/NDF: 8720.2/46

All: -33.579+/-0.115 χ^2/NDF: 18711.1/95

- sign -34.869+/-0.161 χ^2/NDF: 9859.7/48

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.375+/-0.295 χ^2/NDF: 318.9/21

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.851+/-0.284 χ^2/NDF: 217.6/25

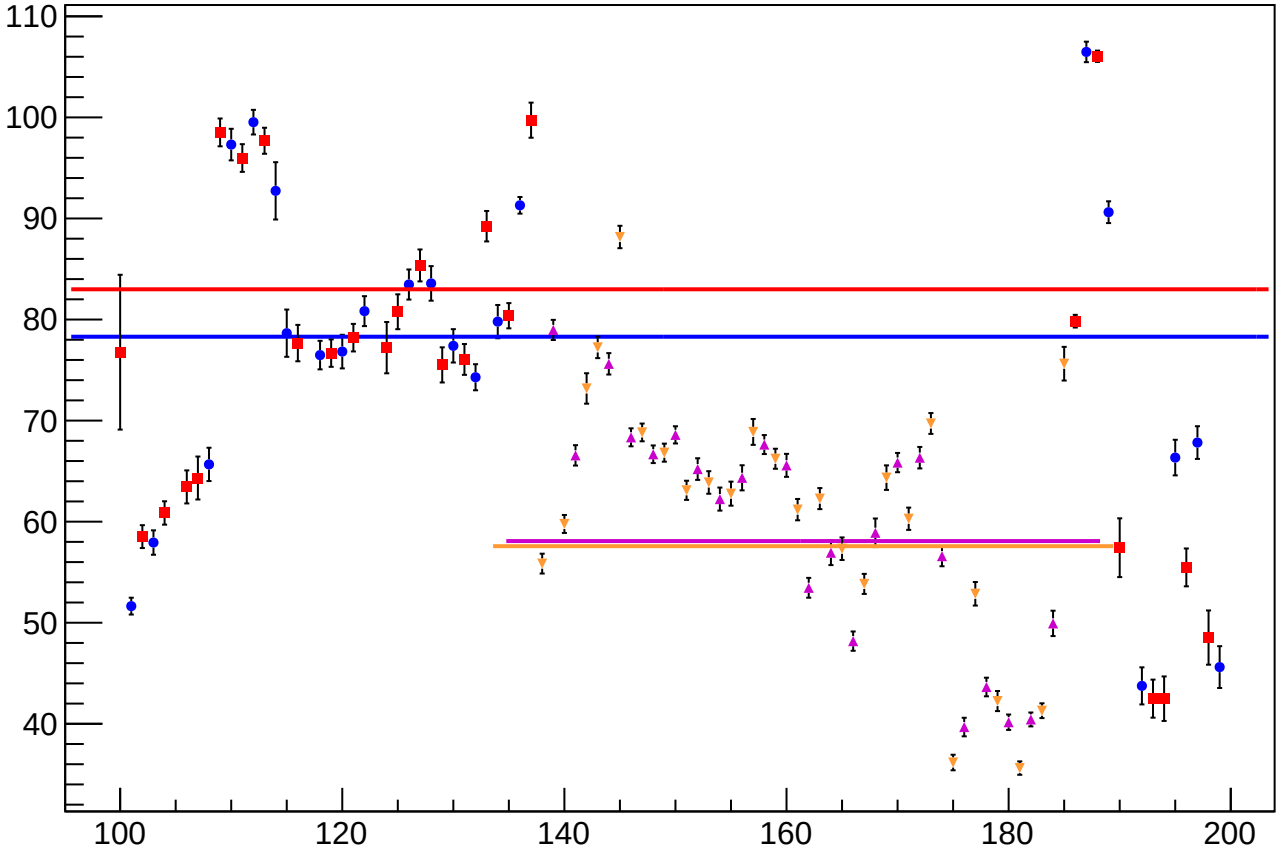
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.953+/-0.134 χ^2/NDF: 2147.2/46

All: 0.917+/-0.095 χ^2/NDF: 3737.4/95

- sign 0.879+/-0.136 χ^2/NDF: 1590.0/48

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 78.299+/-0.290 χ^2/NDF: 3728.3/21

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 82.992+/-0.258 χ^2/NDF: 4597.0/25

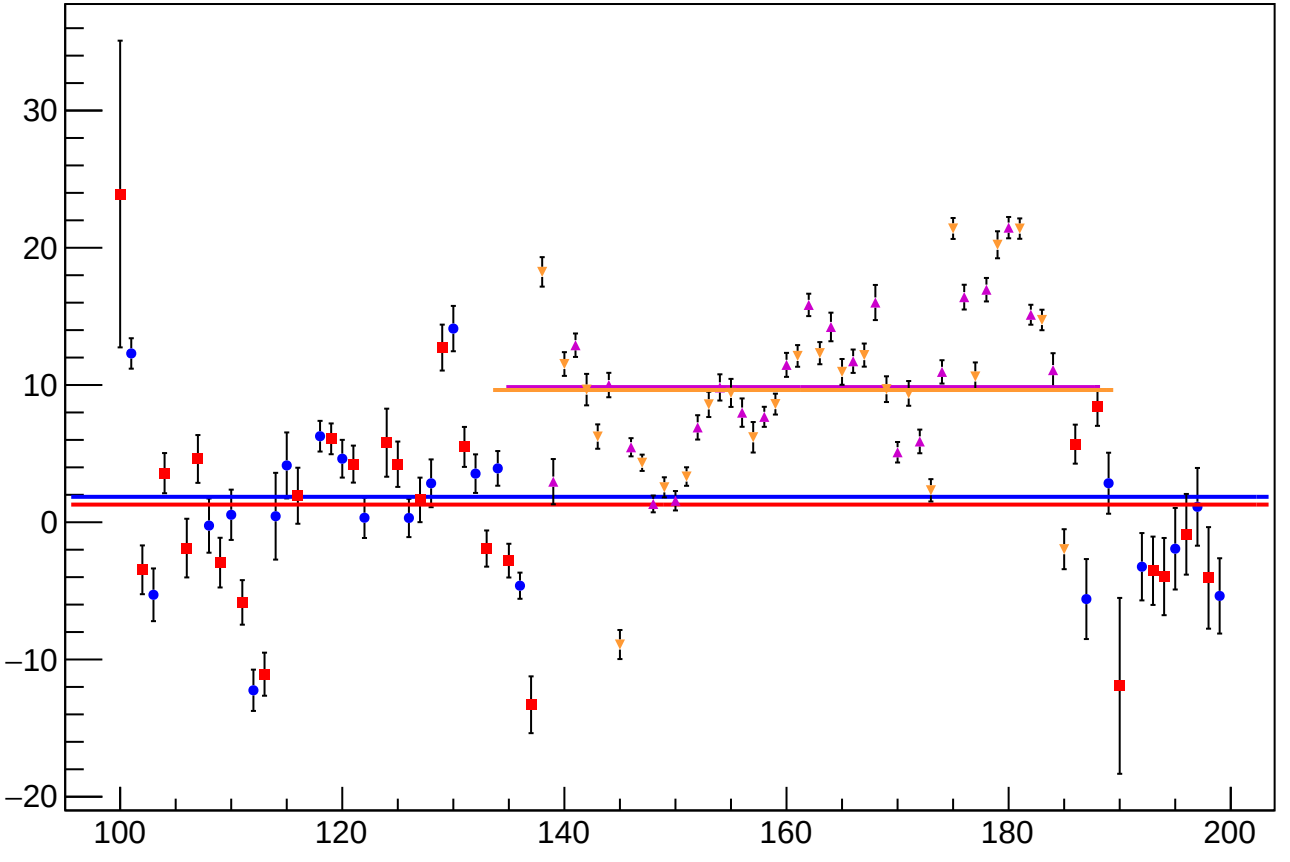
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.204+/-0.164 χ^2/NDF: 11884.8/46

All: 65.967+/-0.114 χ^2/NDF: 26016.6/95

- sign 67.637+/-0.160 χ^2/NDF: 13907.0/48

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 1.853+/-0.344 χ^2/NDF: 340.4/21

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.287+/-0.339 χ^2/NDF: 306.1/25

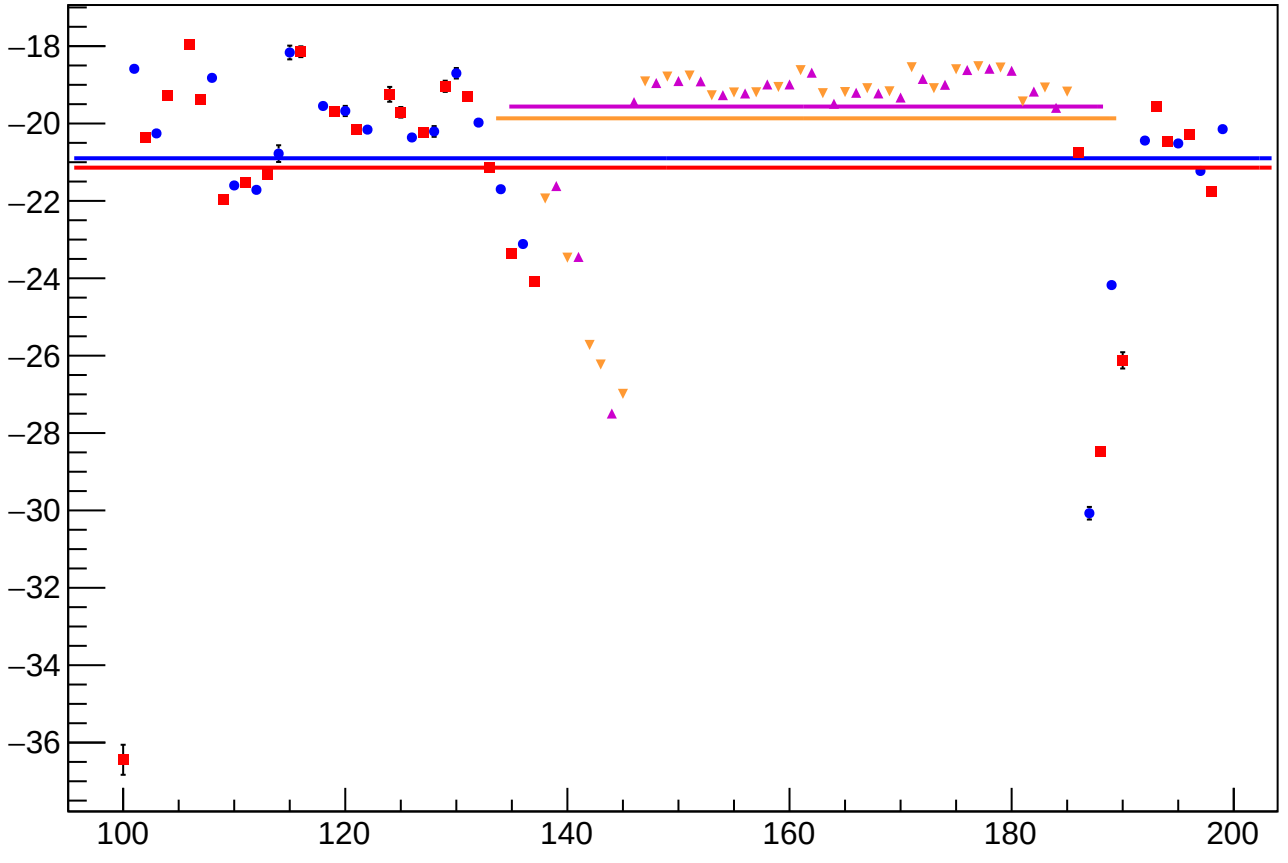
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.089+/-0.153 χ^2/NDF: 2241.8/46

All: 8.058+/-0.110 χ^2/NDF: 4043.1/95

- sign 8.027+/-0.156 χ^2/NDF: 1801.2/48

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.898+/-0.017 χ^2/NDF: 12010.0/21

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.141+/-0.018 χ^2/NDF: 19943.2/25

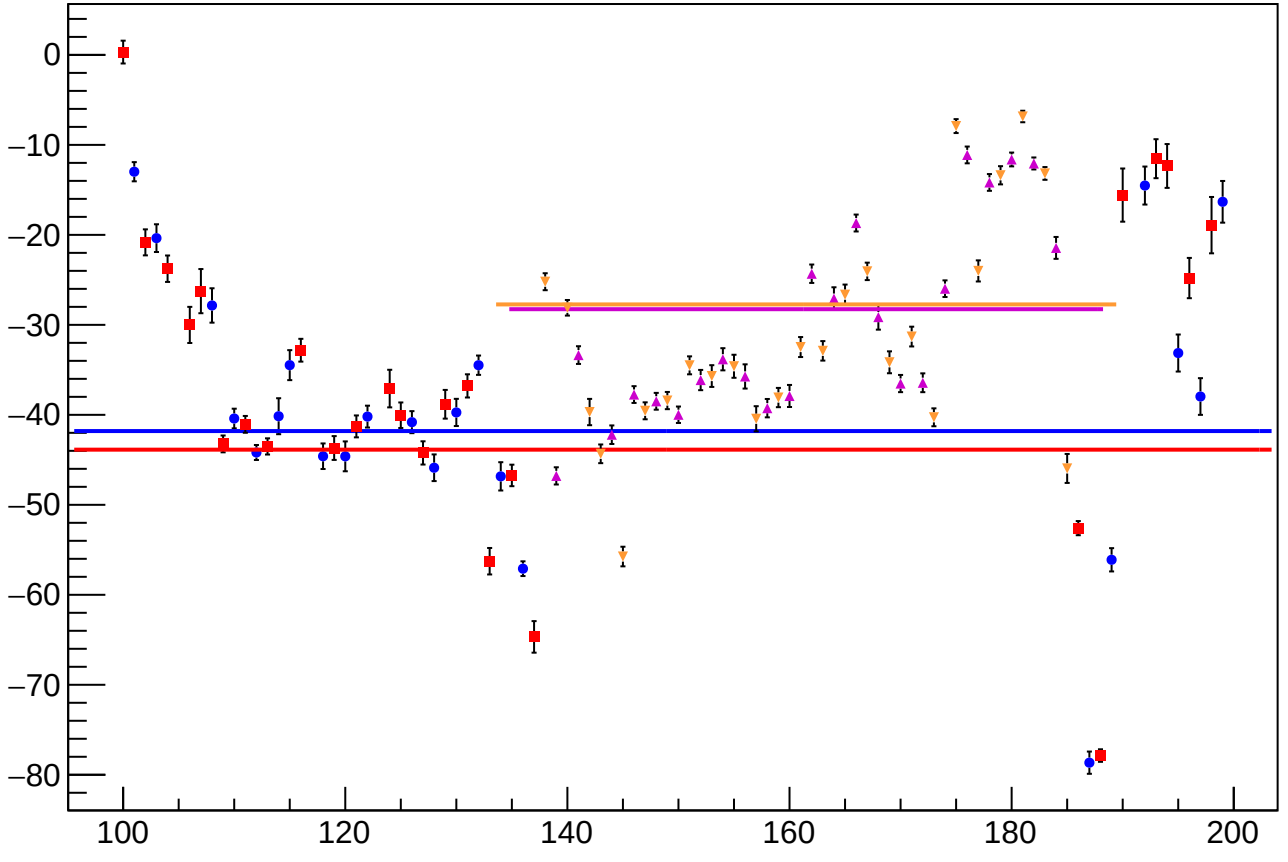
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.042+/-0.007 χ^2/NDF: 93840.3/46

All: -19.938+/-0.005 χ^2/NDF: 166113.6/95

- sign -19.831+/-0.007 χ^2/NDF: 71845.6/48

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -41.803+/-0.283 χ^2/NDF: 2753.4/21

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -43.870+/-0.253 χ^2/NDF: 5243.0/25

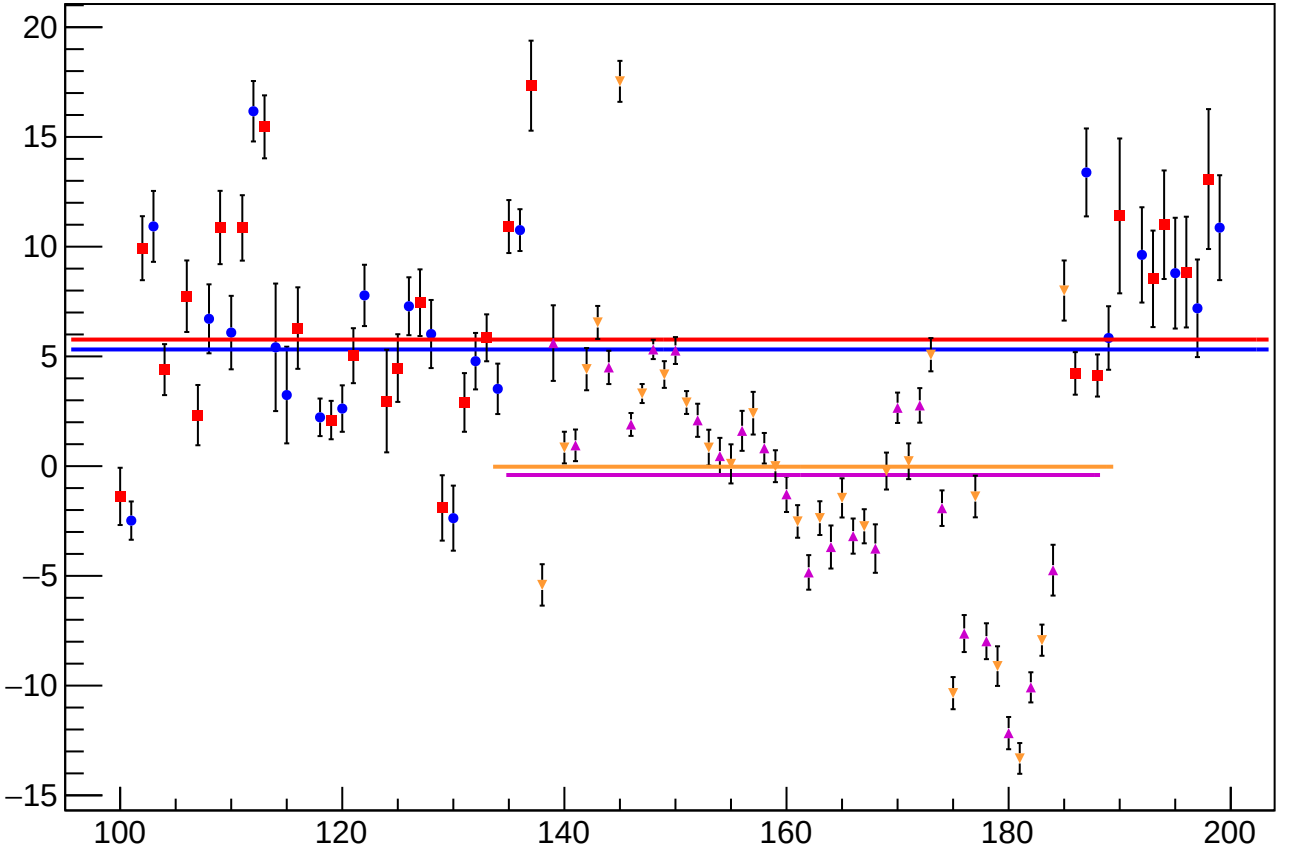
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.437+/-0.164 χ^2/NDF: 8697.2/46

All: -33.492+/-0.114 χ^2/NDF: 19484.3/95

- sign -34.497+/-0.160 χ^2/NDF: 10706.0/48

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.316+/-0.295 χ^2/NDF: 271.3/21

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.768+/-0.278 χ^2/NDF: 237.2/25

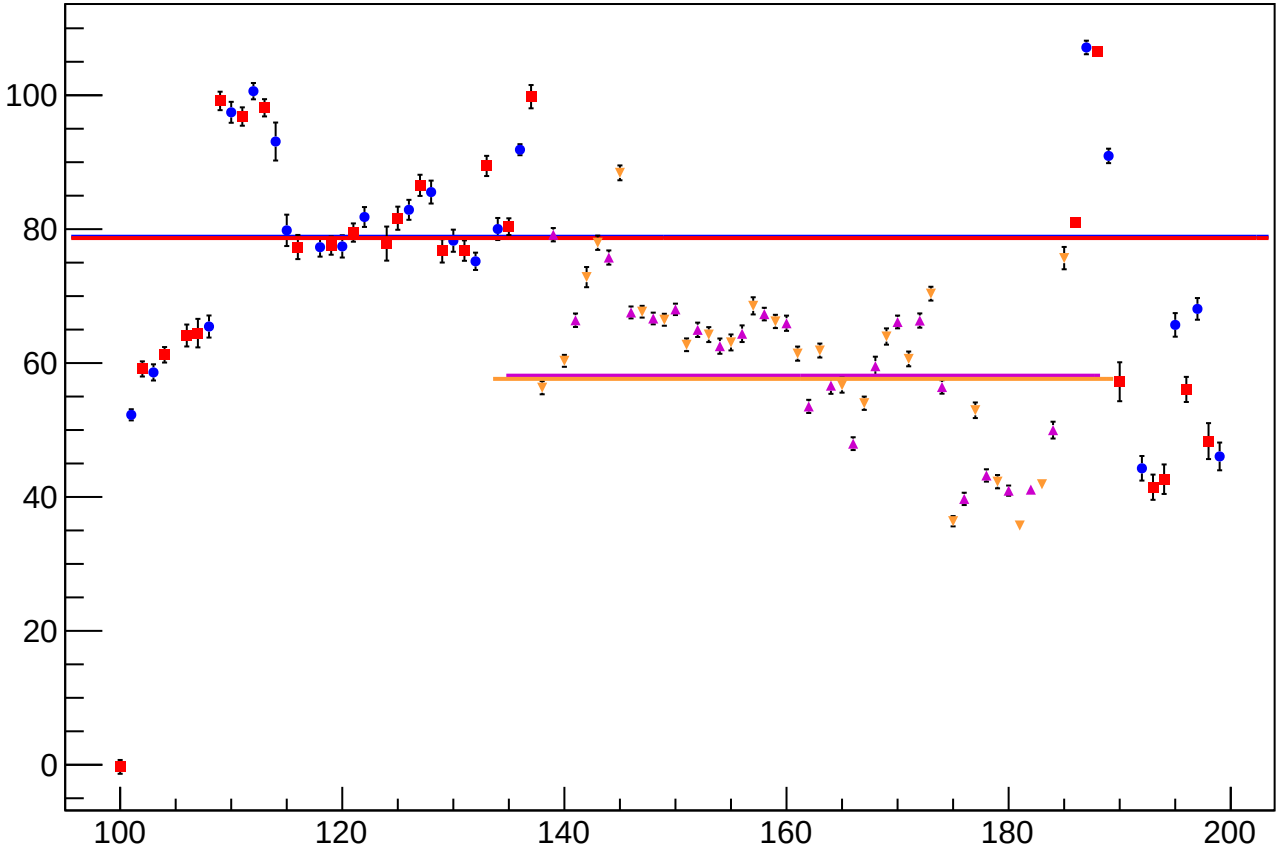
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.073+/-0.134 χ^2/NDF: 2062.9/46

All: 1.069+/-0.095 χ^2/NDF: 3759.6/95

- sign 1.066+/-0.136 χ^2/NDF: 1696.7/48

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 78.868+/-0.291 χ^2/NDF: 3739.8/21

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 78.668+/-0.251 χ^2/NDF: 10823.7/25

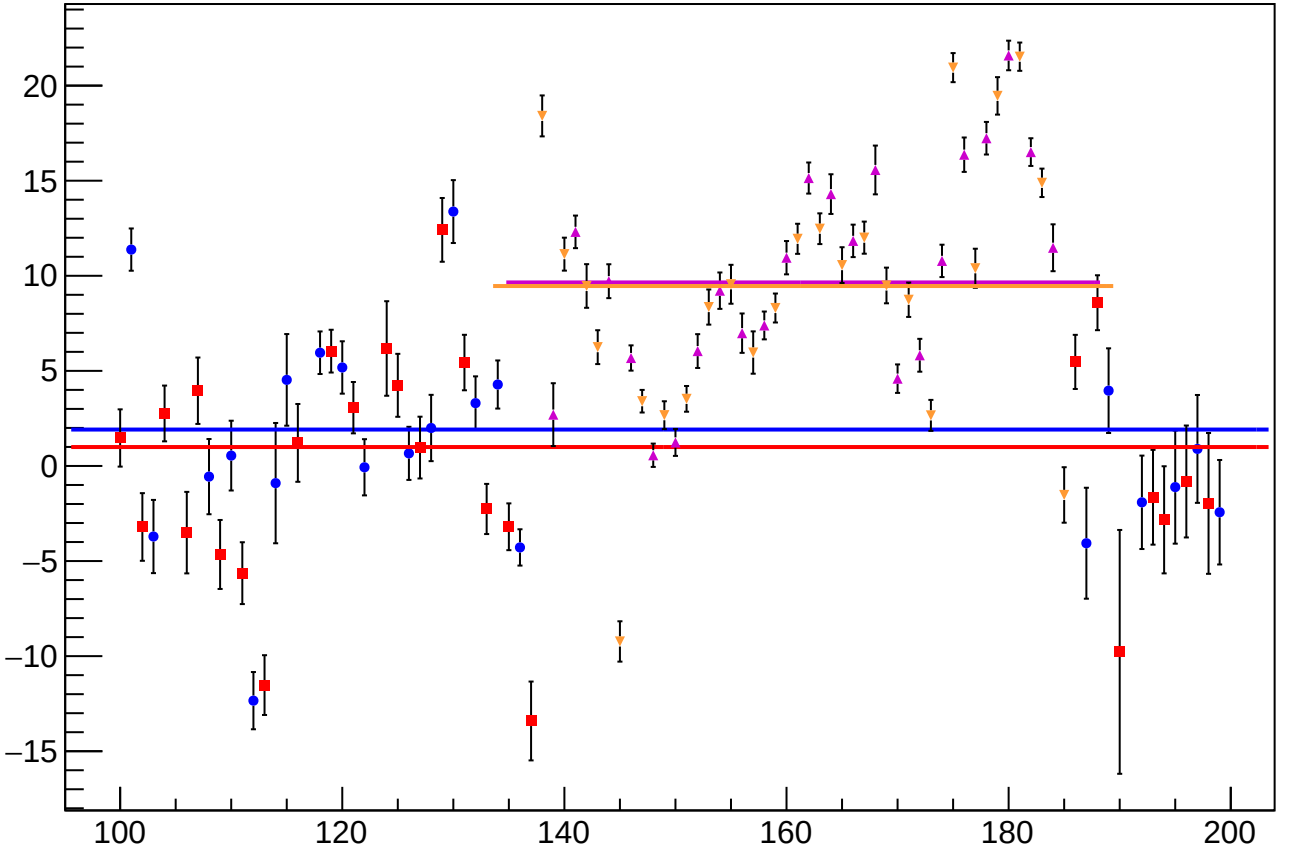
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.429+/-0.164 χ^2/NDF: 11983.6/46

All: 65.399+/-0.114 χ^2/NDF: 30363.7/95

- sign 66.297+/-0.158 χ^2/NDF: 18313.0/48

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 1.915+/-0.345 χ^2/NDF: 301.9/21

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.995+/-0.331 χ^2/NDF: 300.8/25

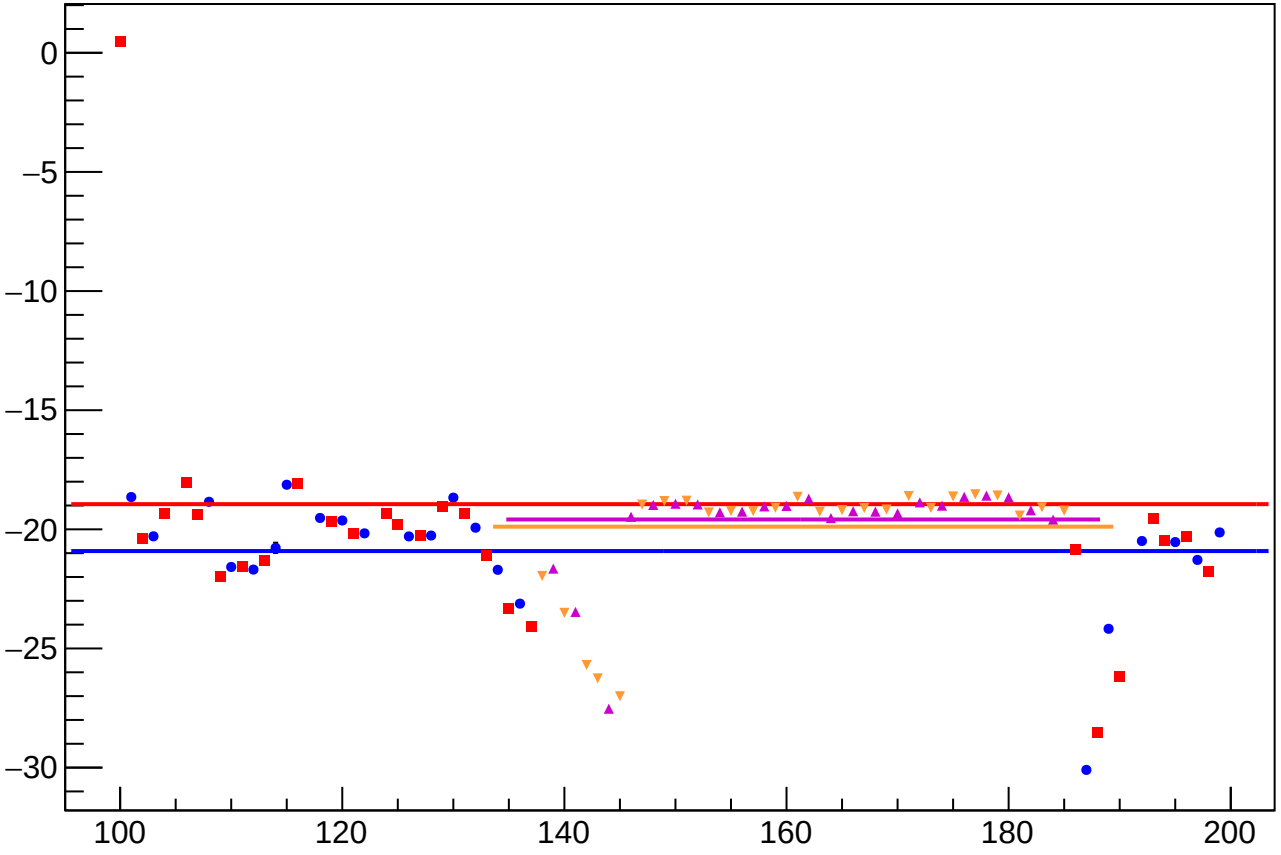
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

\+ sign 7.961+/-0.154 χ^2/NDF: 2169.2/46

All: 7.850+/-0.109 χ^2/NDF: 4081.0/95

\- sign 7.735+/-0.156 χ^2/NDF: 1910.7/48

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.912+/-0.017 χ^2/NDF: 11884.9/21

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.943+/-0.017 χ^2/NDF: 171251.7/25

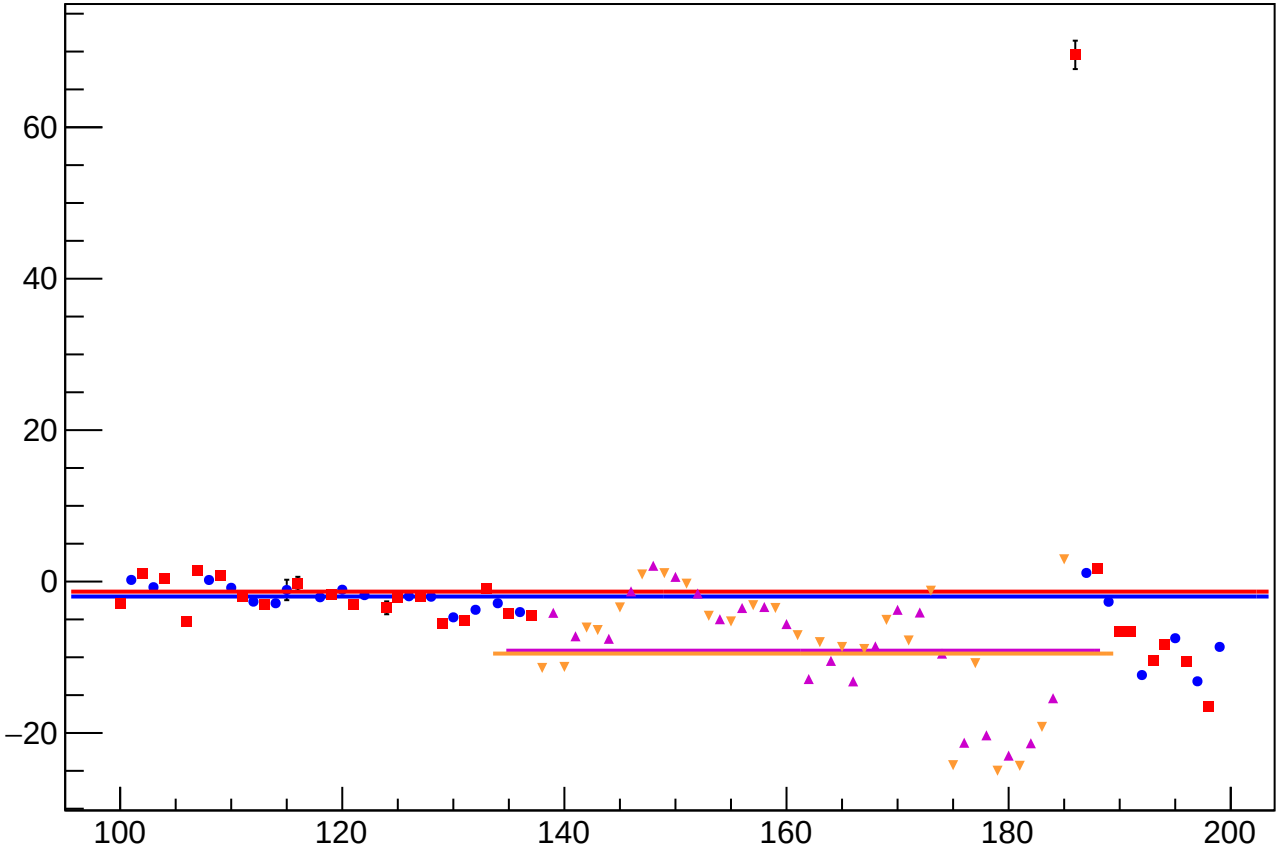
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.063+/-0.007 χ^2/NDF: 93276.9/46

All: -19.765+/-0.005 χ^2/NDF: 314280.4/95

- sign -19.466+/-0.007 χ^2/NDF: 217550.0/48

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.977+/-0.052 χ^2/NDF: 3060.4/21

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

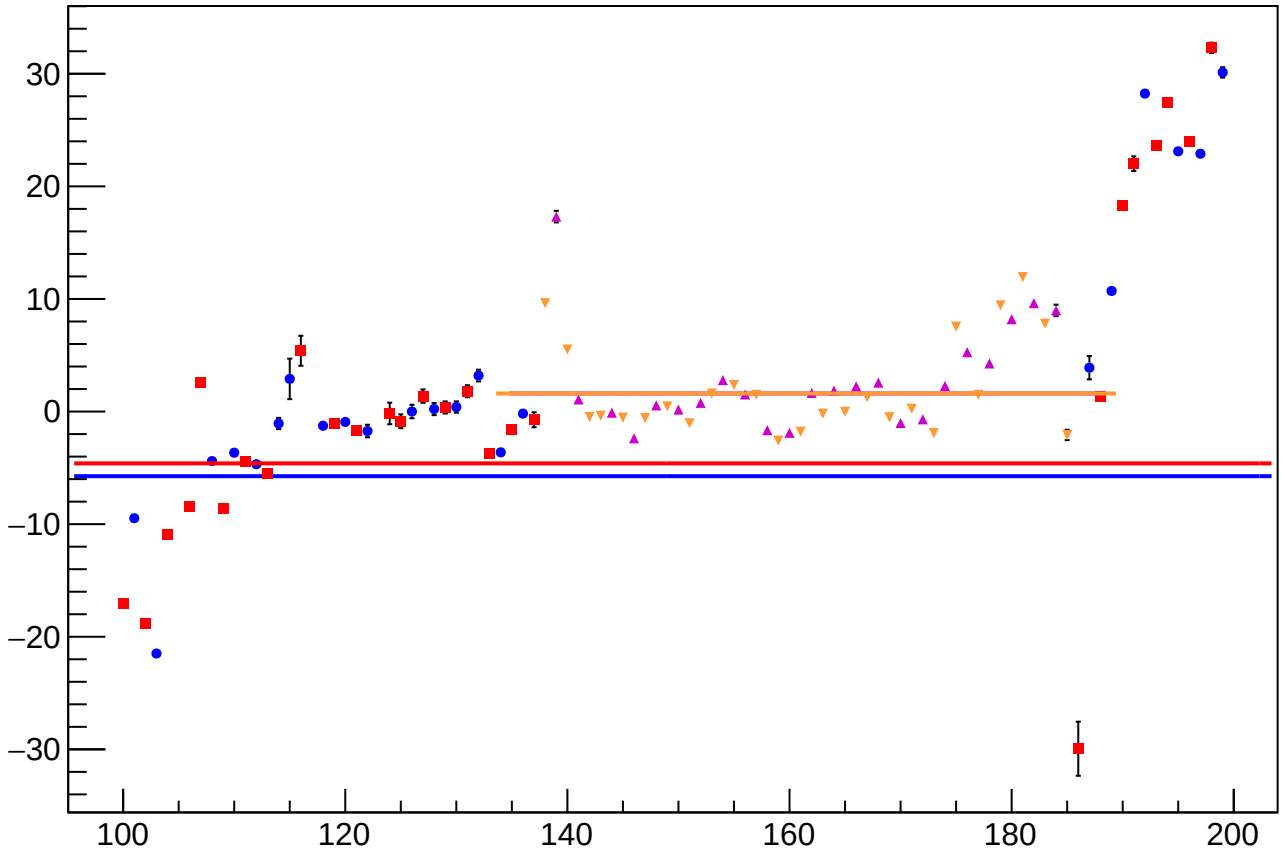
Right Out: -1.330+/-0.047 χ^2/NDF: 6196.9/26

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.510+/-0.042 χ^2/NDF: 23120.8/46

All: -3.998+/-0.029 χ^2/NDF: 47787.2/96

- sign -3.541+/-0.040 χ^2/NDF: 24387.0/49



Right In: -5.738+/-0.054 χ^2/NDF: 43189.8/21

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -4.602+/-0.053 χ^2/NDF: 47451.1/26

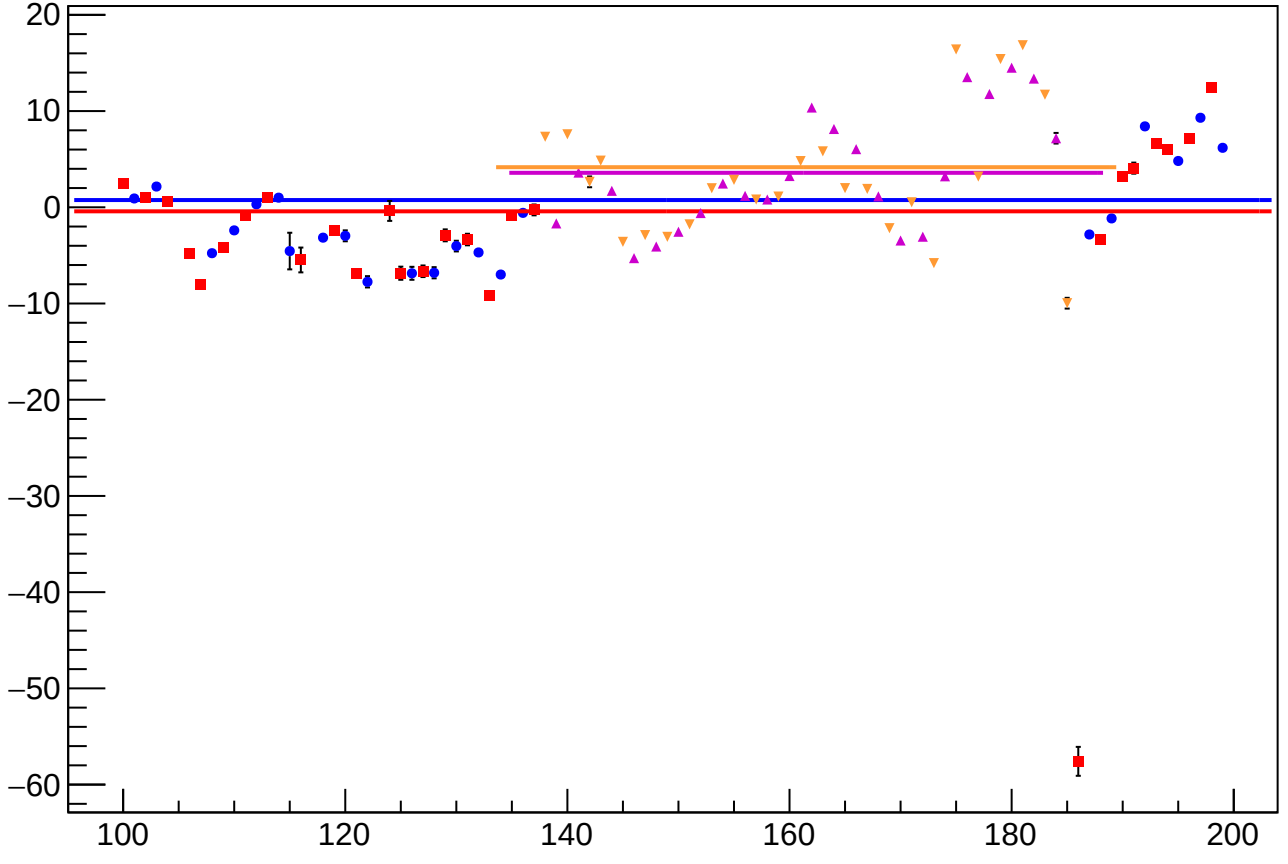
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -2.133+/-0.039 χ^2/NDF: 56885.1/46

All: -1.936+/-0.028 χ^2/NDF: 114273.6/96

- sign -1.733+/-0.039 χ^2/NDF: 57335.8/49

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.752+/-0.050 χ^2/NDF: 3953.9/21

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.419+/-0.048 χ^2/NDF: 7615.1/26

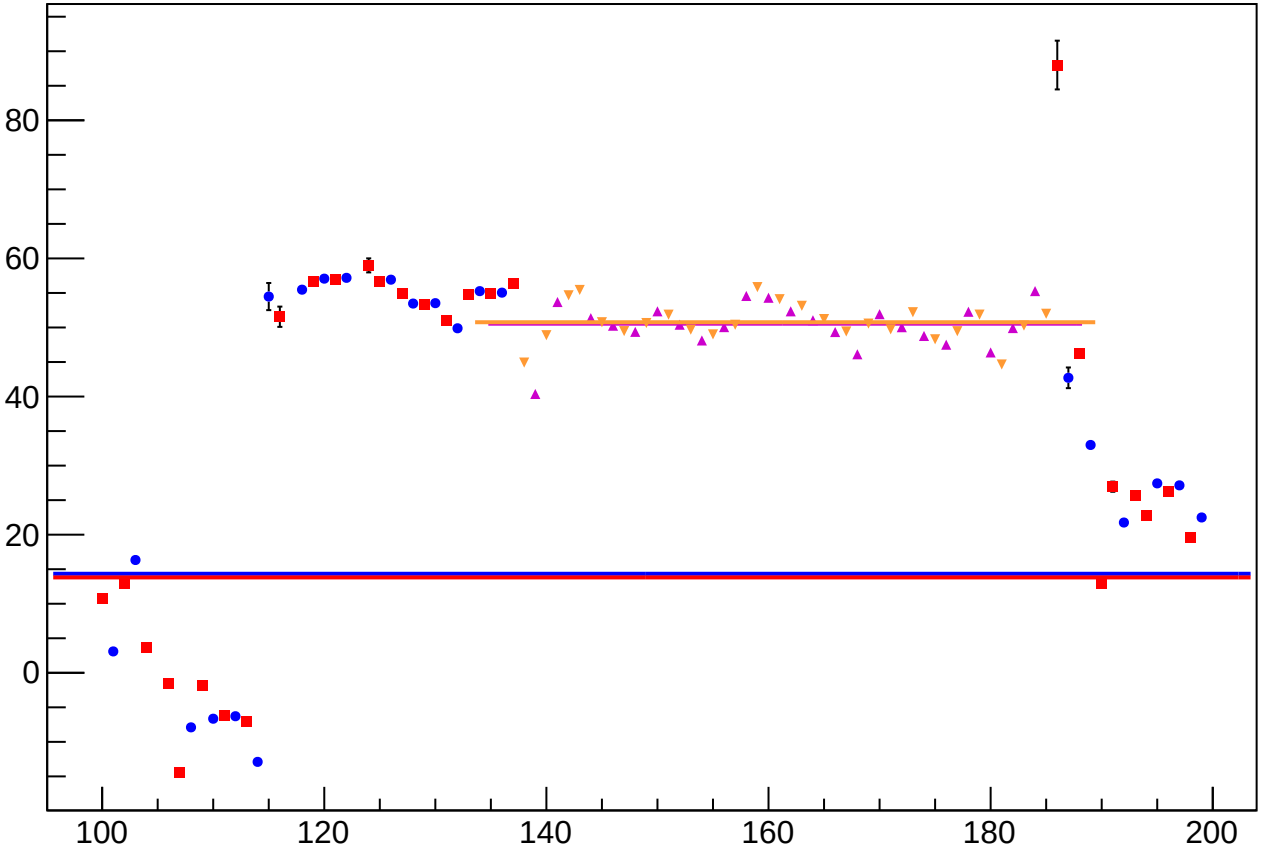
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.849+/-0.041 χ^2/NDF: 14723.0/46

All: 1.290+/-0.029 χ^2/NDF: 32004.7/96

- sign 0.754+/-0.040 χ^2/NDF: 16915.3/49

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 14.340+/-0.065 χ^2/NDF: 112402.1/21

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 13.810+/-0.064 χ^2/NDF: 128784.4/26

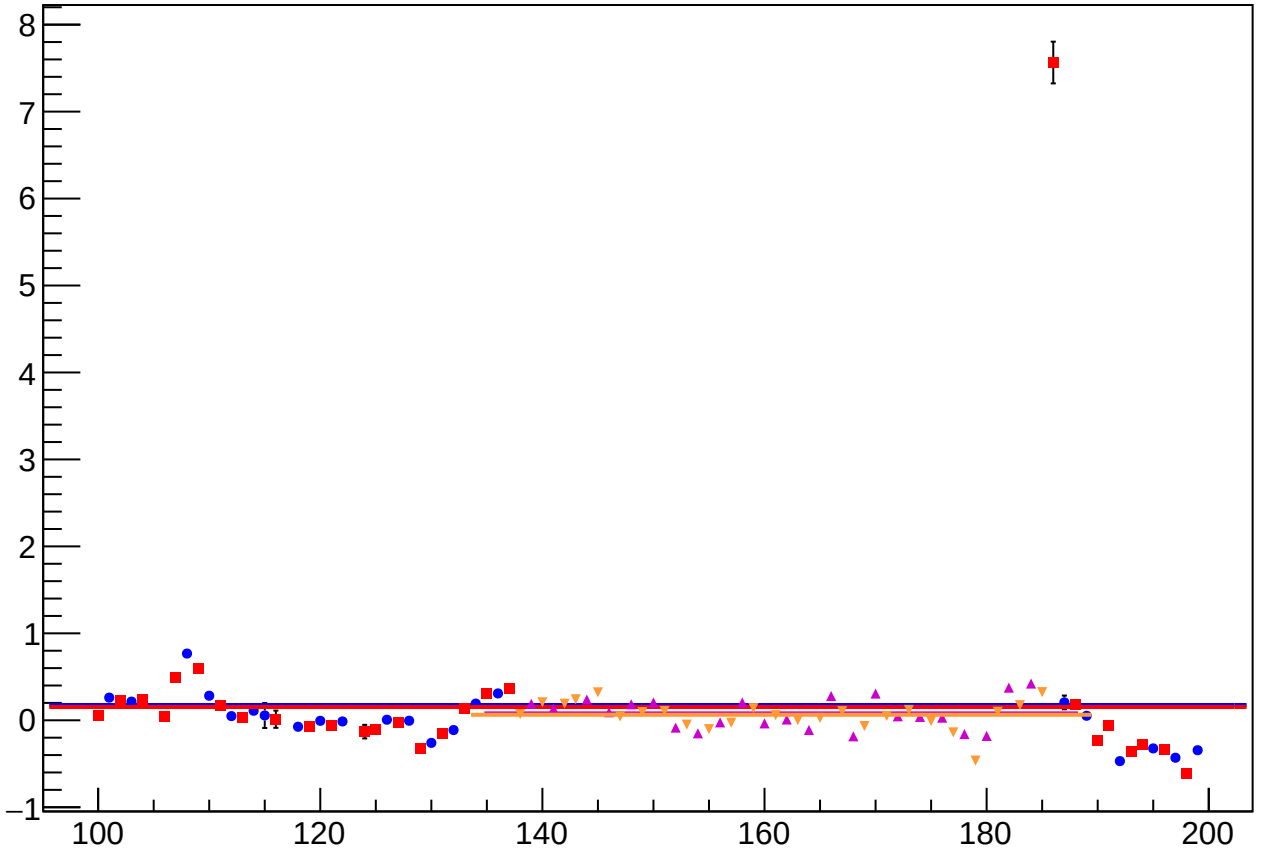
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.209+/-0.045 χ^2/NDF: 278128.3/46

All: 32.550+/-0.032 χ^2/NDF: 572603.7/96

- sign 31.877+/-0.045 χ^2/NDF: 294041.0/49

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.176+/-0.003 χ^2/NDF: 11470.6/21

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.153+/-0.002 χ^2/NDF: 10688.1/26

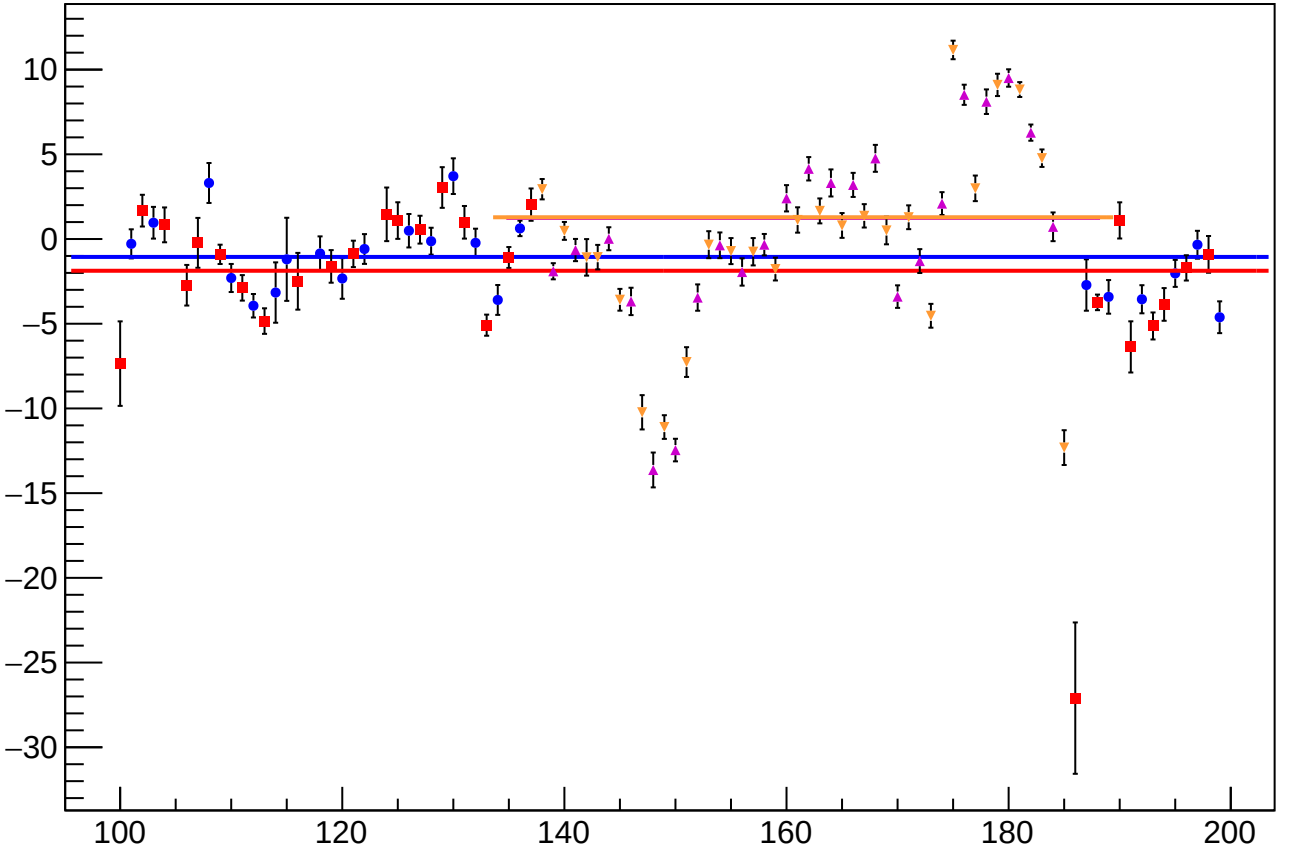
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.124+/-0.002 χ^2/NDF: 14915.3/46

All: 0.122+/-0.001 χ^2/NDF: 29426.5/96

- sign 0.121+/-0.002 χ^2/NDF: 14509.6/49

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.057+/-0.188 χ^2/NDF: 121.3/21

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.874+/-0.168 χ^2/NDF: 227.9/26

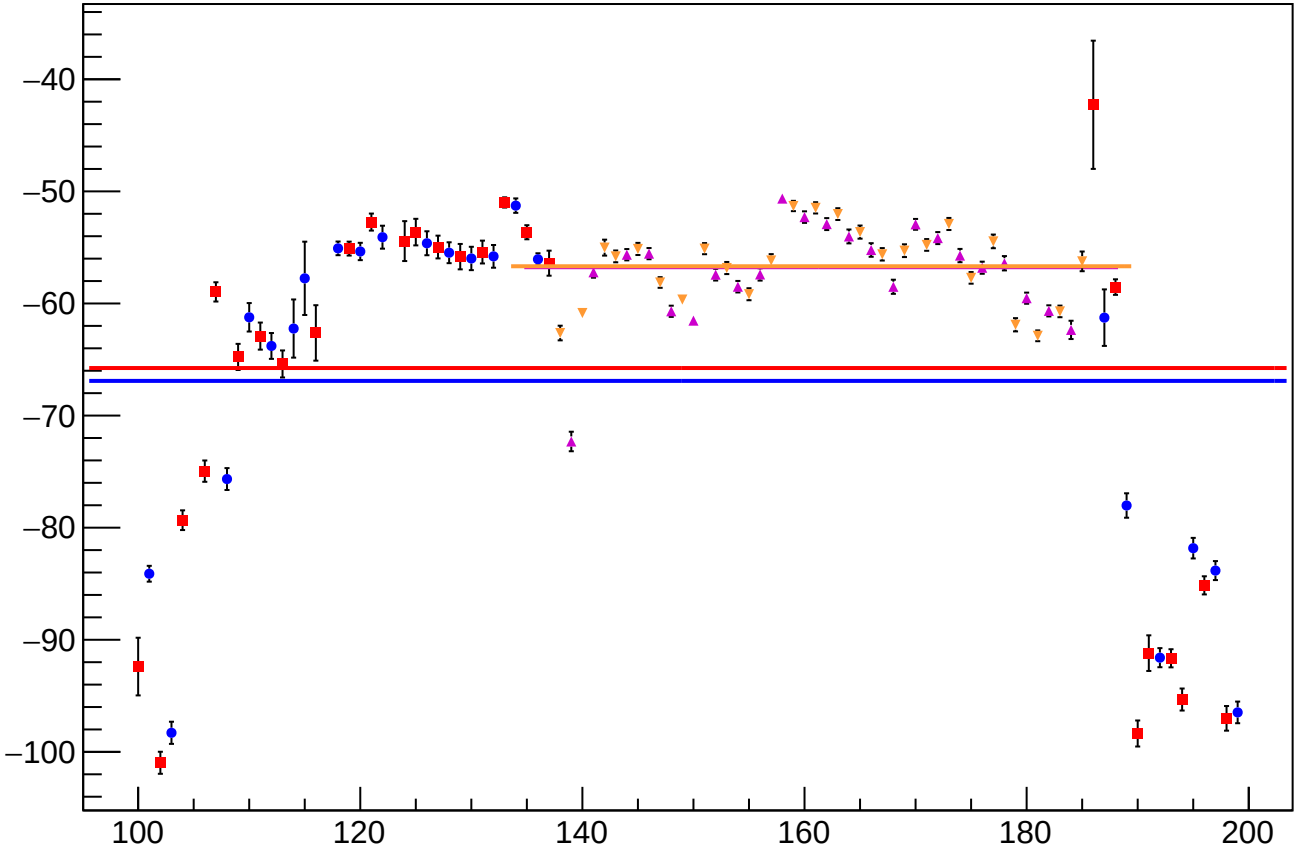
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.471+/-0.111 χ^2/NDF: 1938.1/46

All: 0.212+/-0.077 χ^2/NDF: 3891.6/96

- sign -0.034+/-0.108 χ^2/NDF: 1942.9/49

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -66.906+/-0.193 χ^2/NDF: 6540.8/21

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -65.759+/-0.178 χ^2/NDF: 8792.6/26

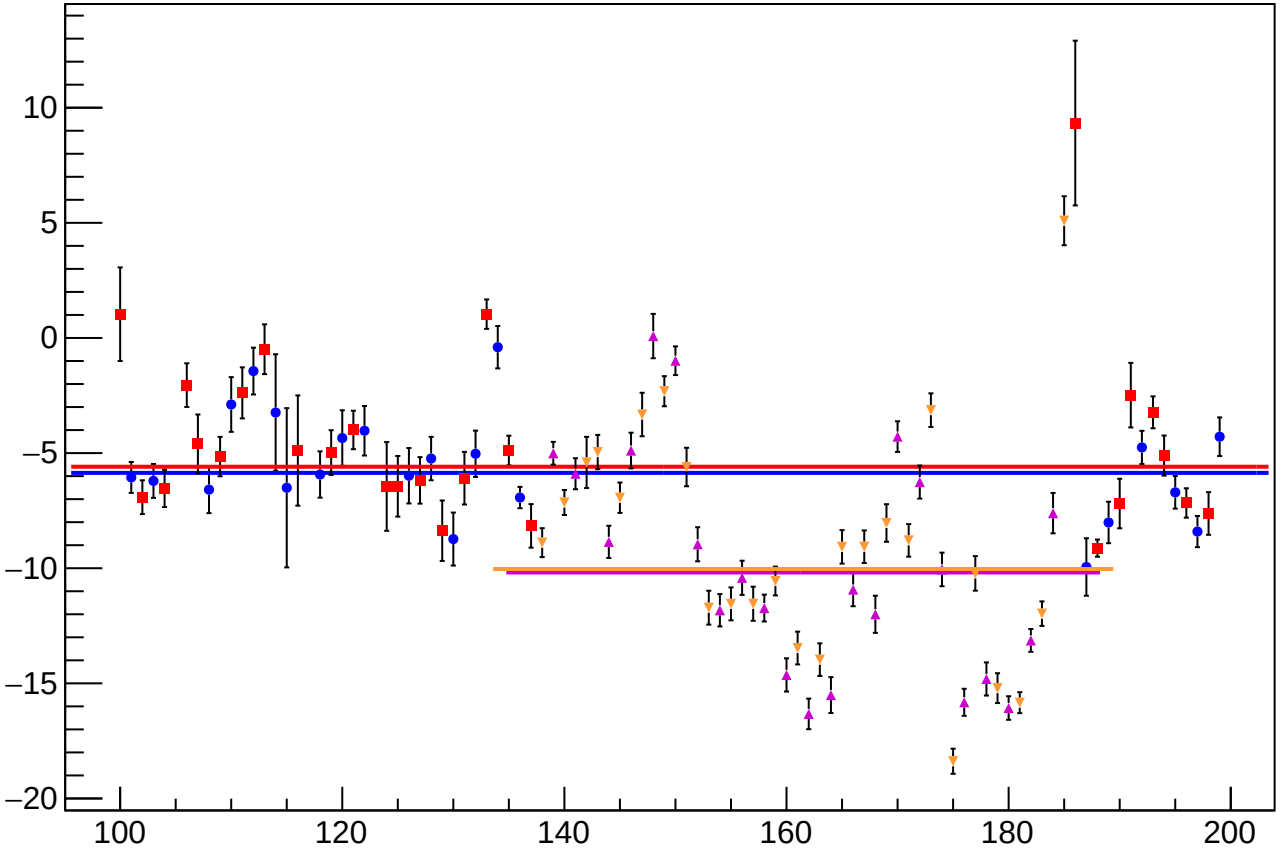
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -59.094+/-0.094 χ^2/NDF: 9702.5/46

All: -59.204+/-0.067 χ^2/NDF: 21437.0/96

- sign -59.316+/-0.095 χ^2/NDF: 11731.8/49

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.858+/-0.188 χ^2/NDF: 117.4/21

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.592+/-0.167 χ^2/NDF: 323.7/26

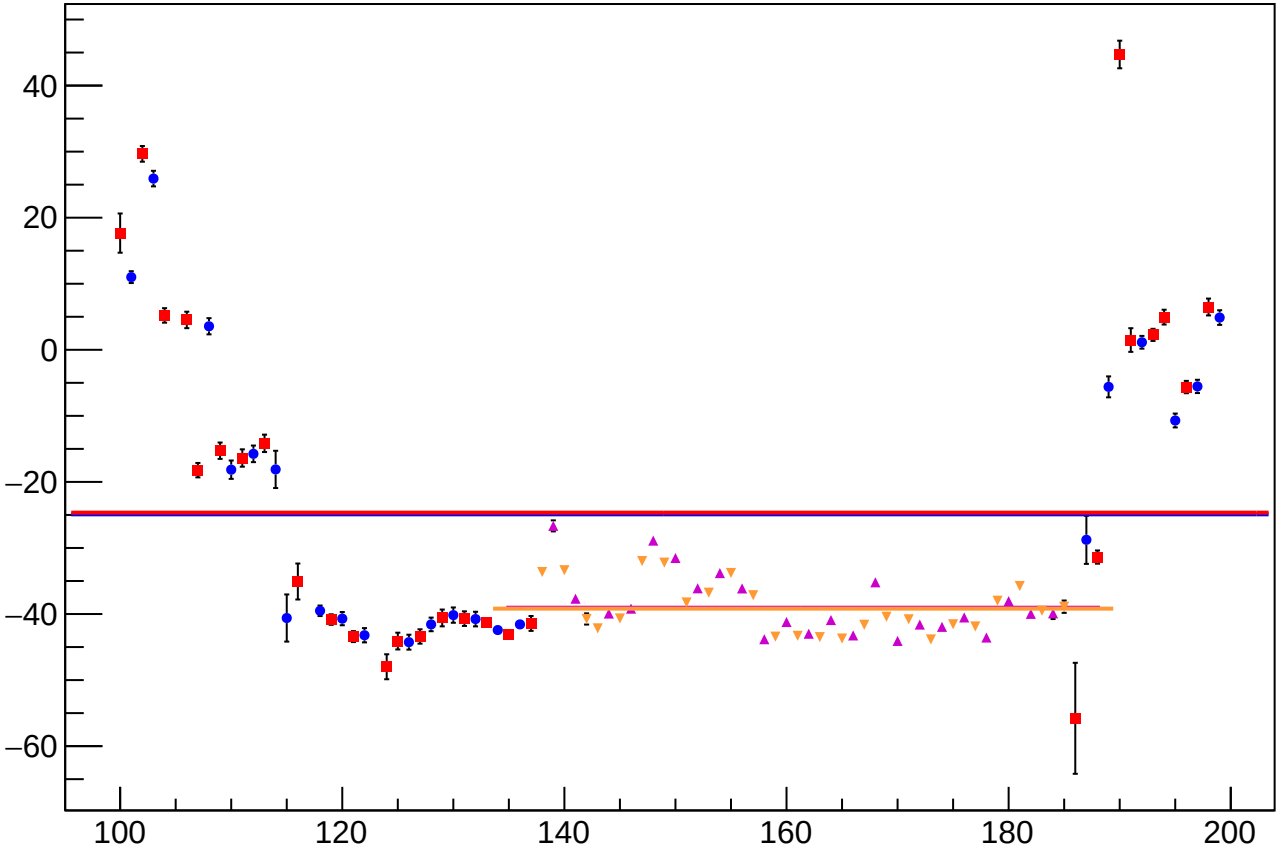
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.596+/-0.110 χ^2/NDF: 1623.4/46

All: -8.445+/-0.077 χ^2/NDF: 3539.7/96

- sign -8.303+/-0.107 χ^2/NDF: 1912.6/49

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -24.906+/-0.222 χ^2/NDF: 9613.0/21

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -24.650+/-0.209 χ^2/NDF: 11642.0/26

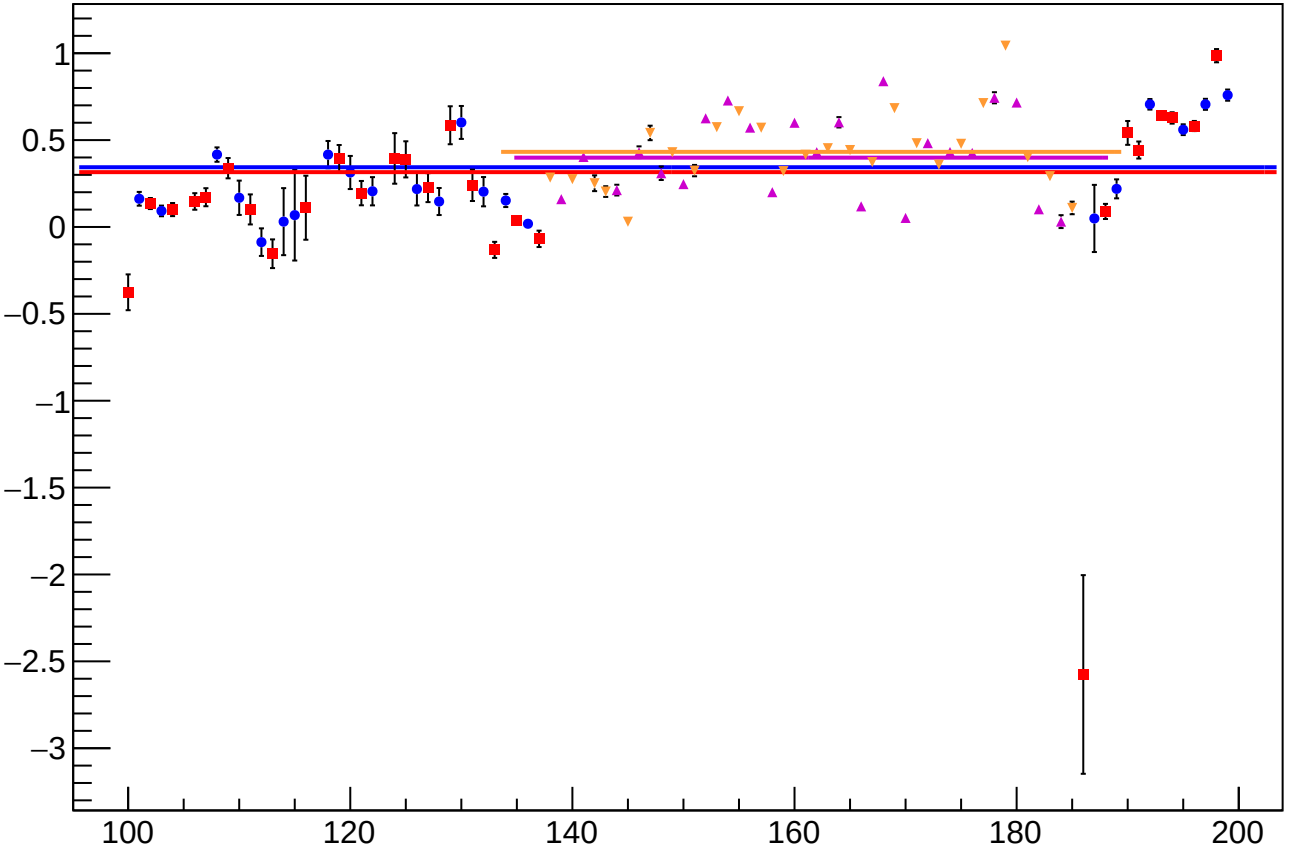
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -35.949+/-0.106 χ^2/NDF: 13852.7/46

All: -35.615+/-0.075 χ^2/NDF: 30257.2/96

- sign -35.273+/-0.107 χ^2/NDF: 16384.2/49

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.344+/-0.010 χ^2/NDF: 897.8/21

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.316+/-0.009 χ^2/NDF: 1146.3/26

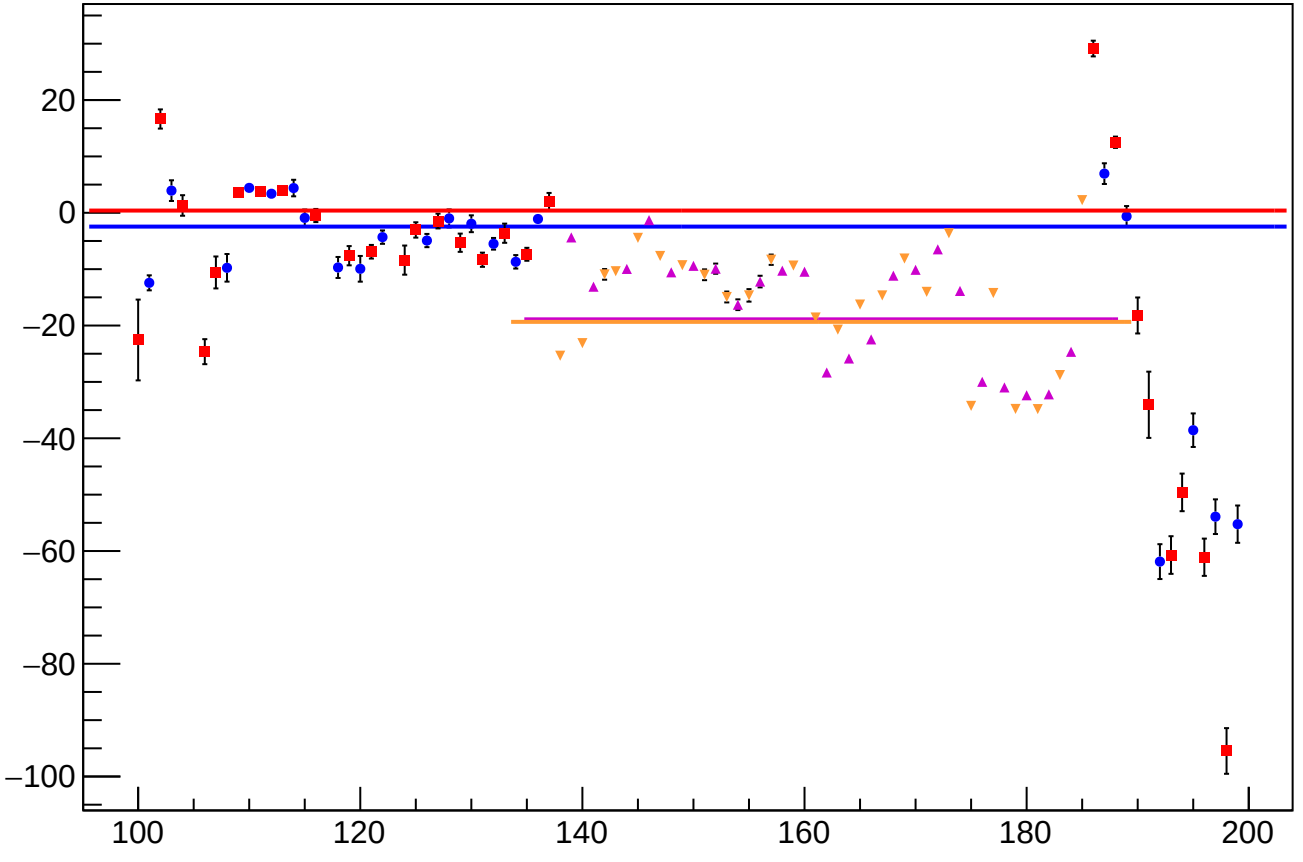
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.412+/-0.005 χ^2/NDF: 2331.5/46

All: 0.395+/-0.003 χ^2/NDF: 5489.2/96

- sign 0.378+/-0.005 χ^2/NDF: 3131.2/49

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -2.448+/-0.270 χ^2/NDF: 1433.7/21

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 0.397+/-0.249 χ^2/NDF: 2625.7/26

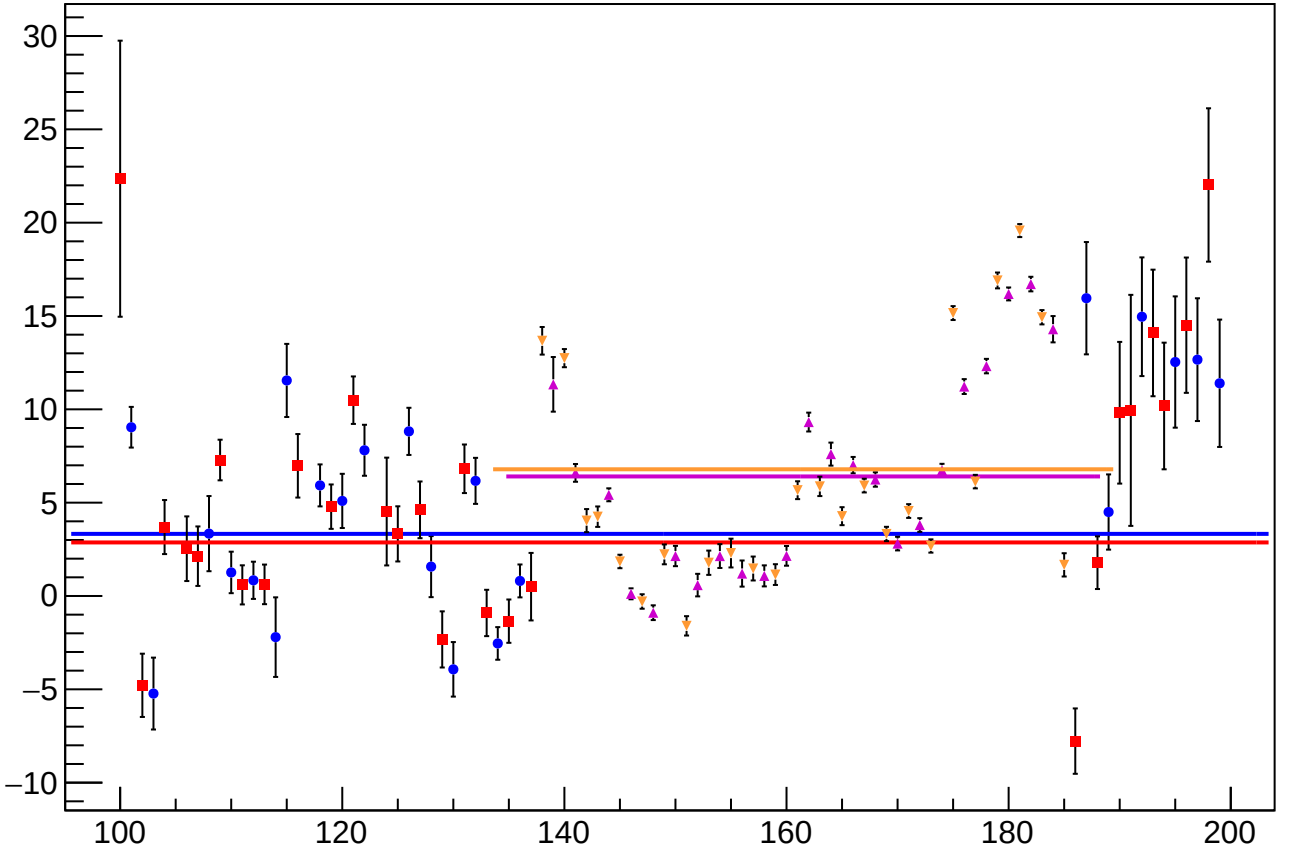
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.815+/-0.105 χ^2/NDF: 15158.3/46

All: -16.143+/-0.074 χ^2/NDF: 31074.8/96

- sign -15.462+/-0.105 χ^2/NDF: 15833.4/49

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.328+/-0.303 χ^2/NDF: 254.0/21

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.869+/-0.303 χ^2/NDF: 234.8/26

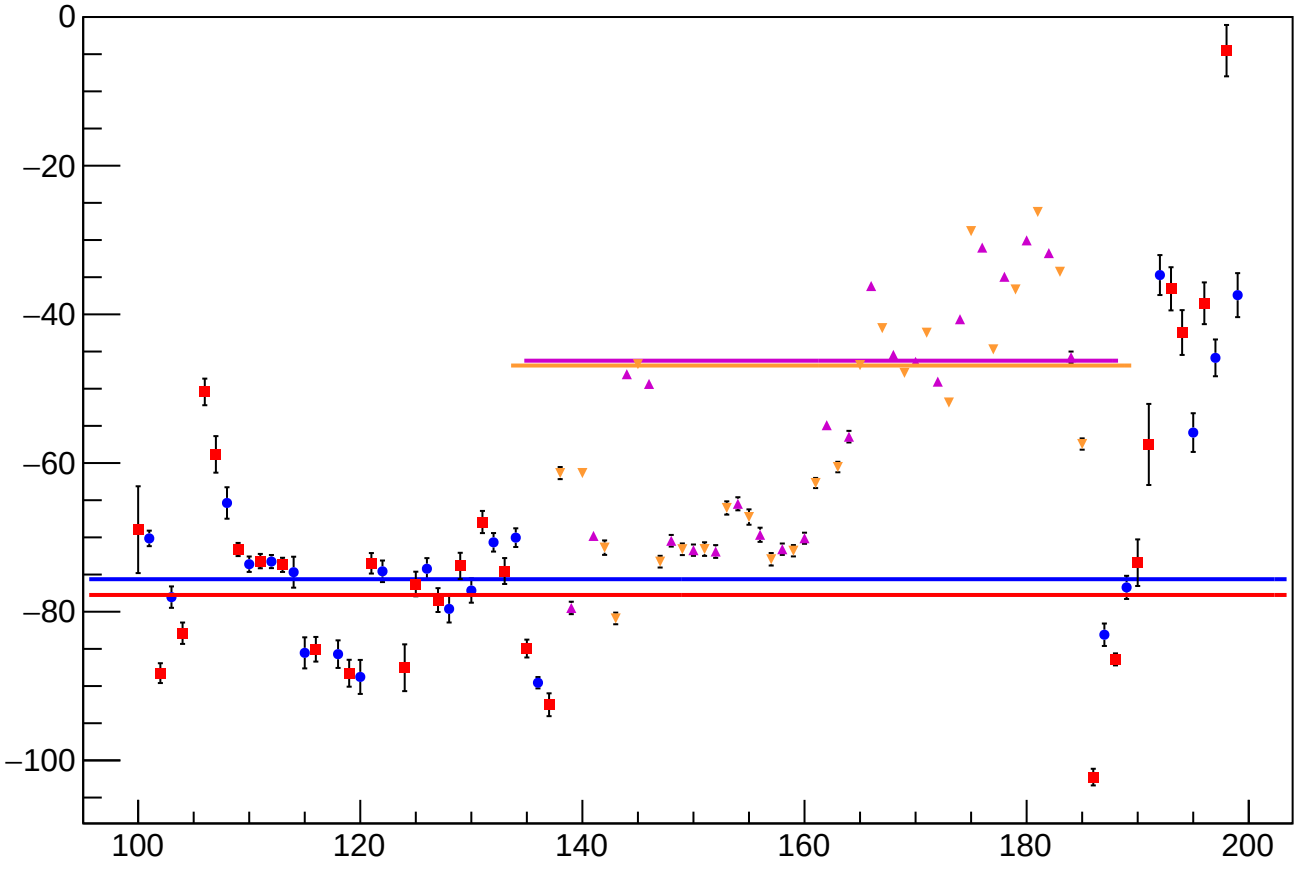
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.507+/-0.086 χ^2/NDF: 5006.4/46

All: 6.311+/-0.061 χ^2/NDF: 8786.4/96

- sign 6.111+/-0.087 χ^2/NDF: 3769.7/49

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -75.626+/-0.304 χ^2/NDF: 1149.8/21

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -77.746+/-0.287 χ^2/NDF: 2302.6/26

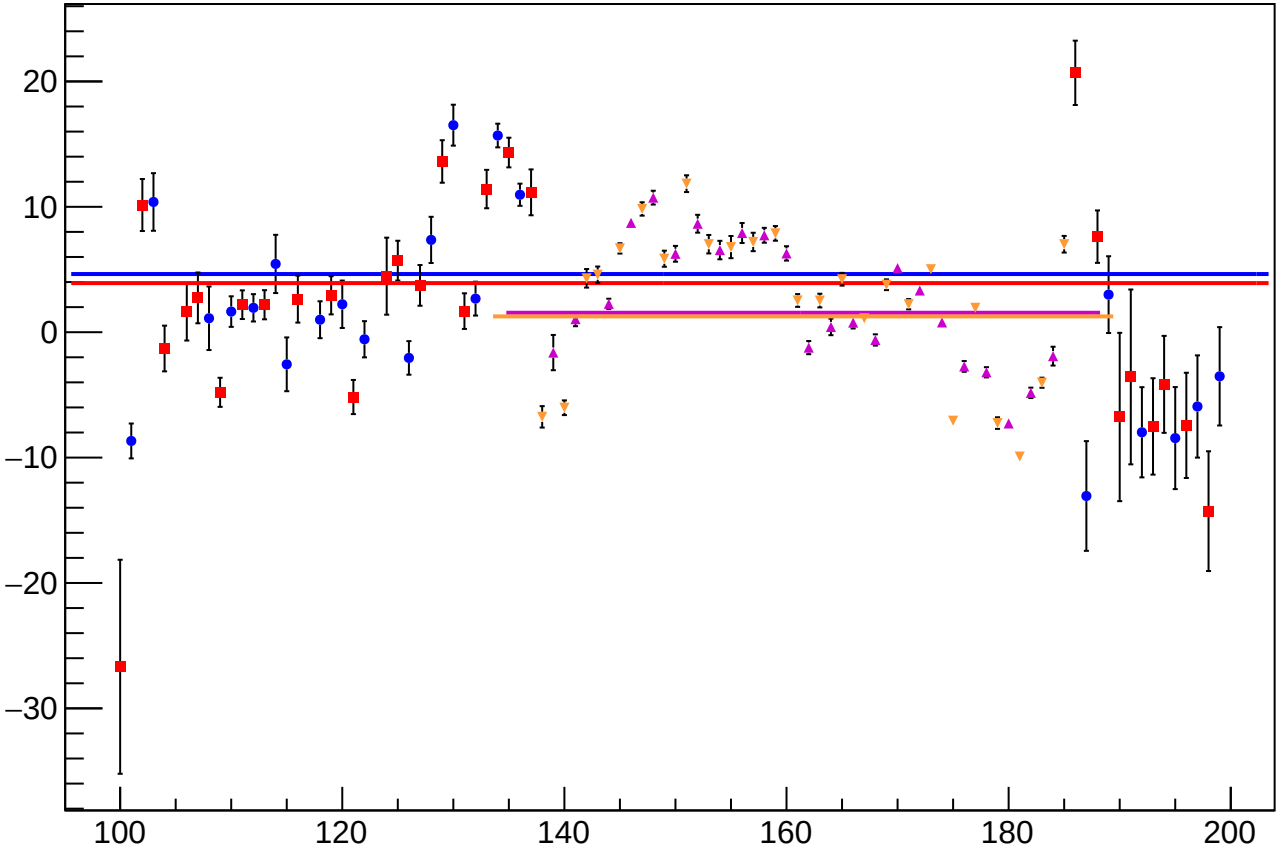
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

\+ sign -50.417+/-0.107 χ^2/NDF: 26954.7/46

All: -50.549+/-0.076 χ^2/NDF: 54809.1/96

\- sign -50.683+/-0.108 χ^2/NDF: 27851.4/49

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.639+/-0.341 χ^2/NDF: 464.7/21

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.917+/-0.347 χ^2/NDF: 376.1/26

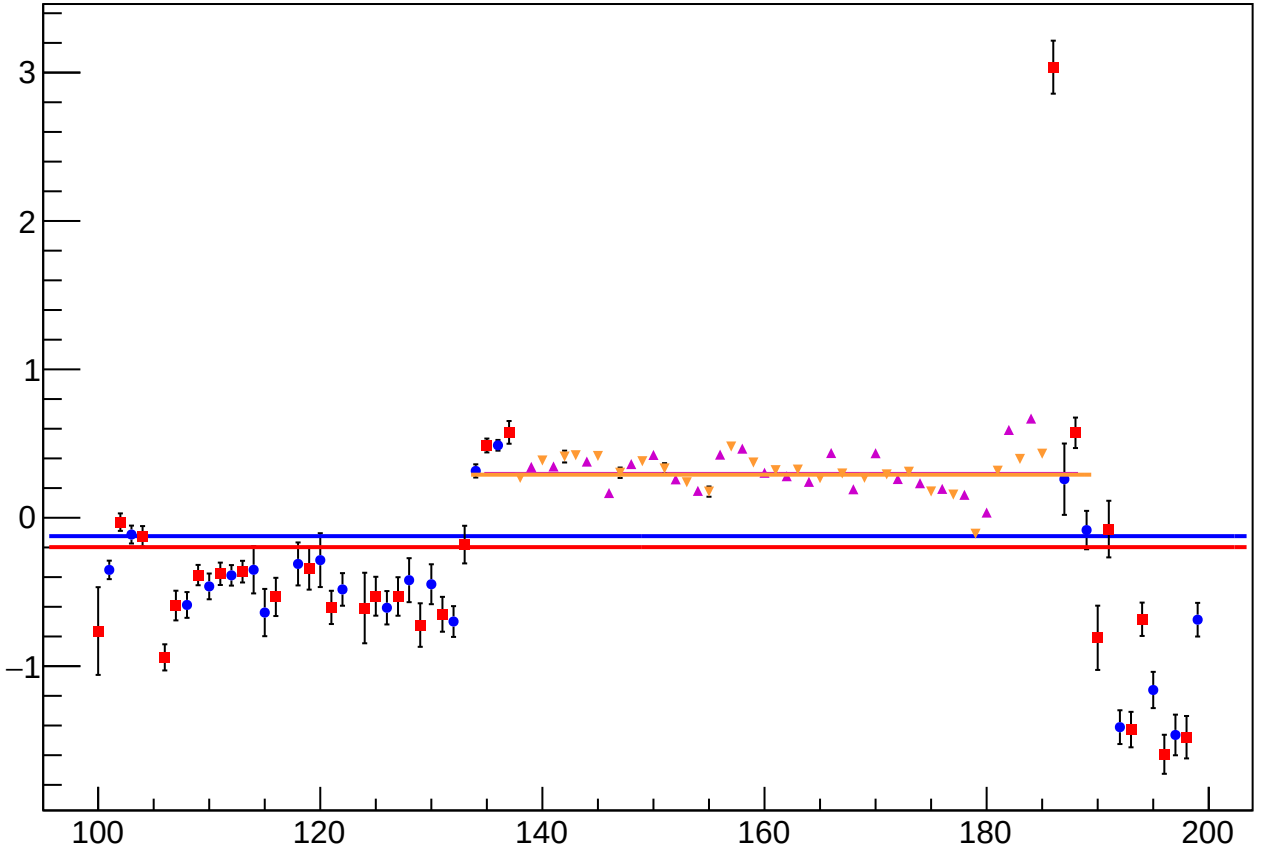
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.531+/-0.096 χ^2/NDF: 4000.6/46

All: 1.633+/-0.069 χ^2/NDF: 6757.5/96

- sign 1.739+/-0.098 χ^2/NDF: 2754.6/49

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.124+/-0.018 χ^2/NDF: 862.4/21

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.198+/-0.019 χ^2/NDF: 1209.1/26

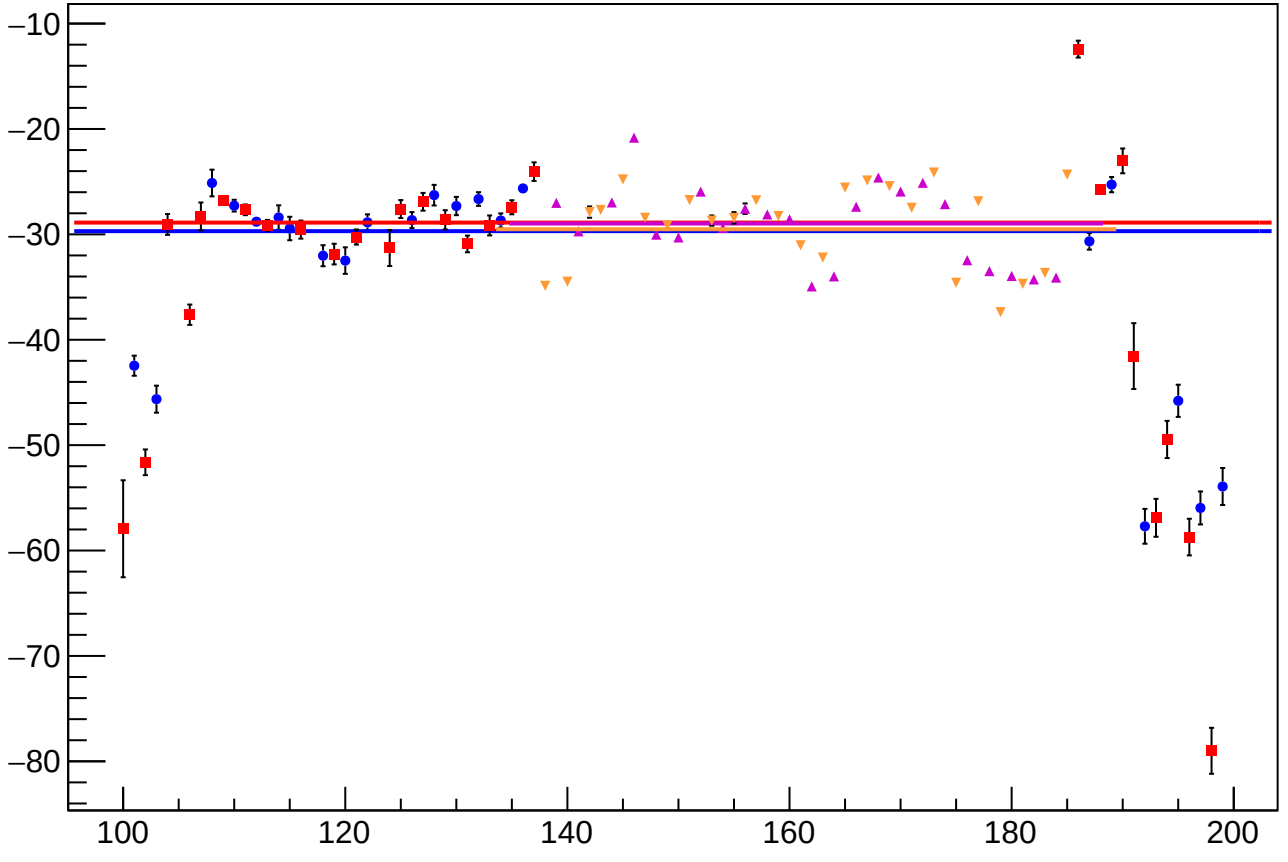
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.266+/-0.004 χ^2/NDF: 2088.4/46

All: 0.267+/-0.003 χ^2/NDF: 4993.9/96

- sign 0.267+/-0.004 χ^2/NDF: 2905.4/49

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -29.696+/-0.172 χ^2/NDF: 1424.1/21

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.883+/-0.160 χ^2/NDF: 2276.4/26

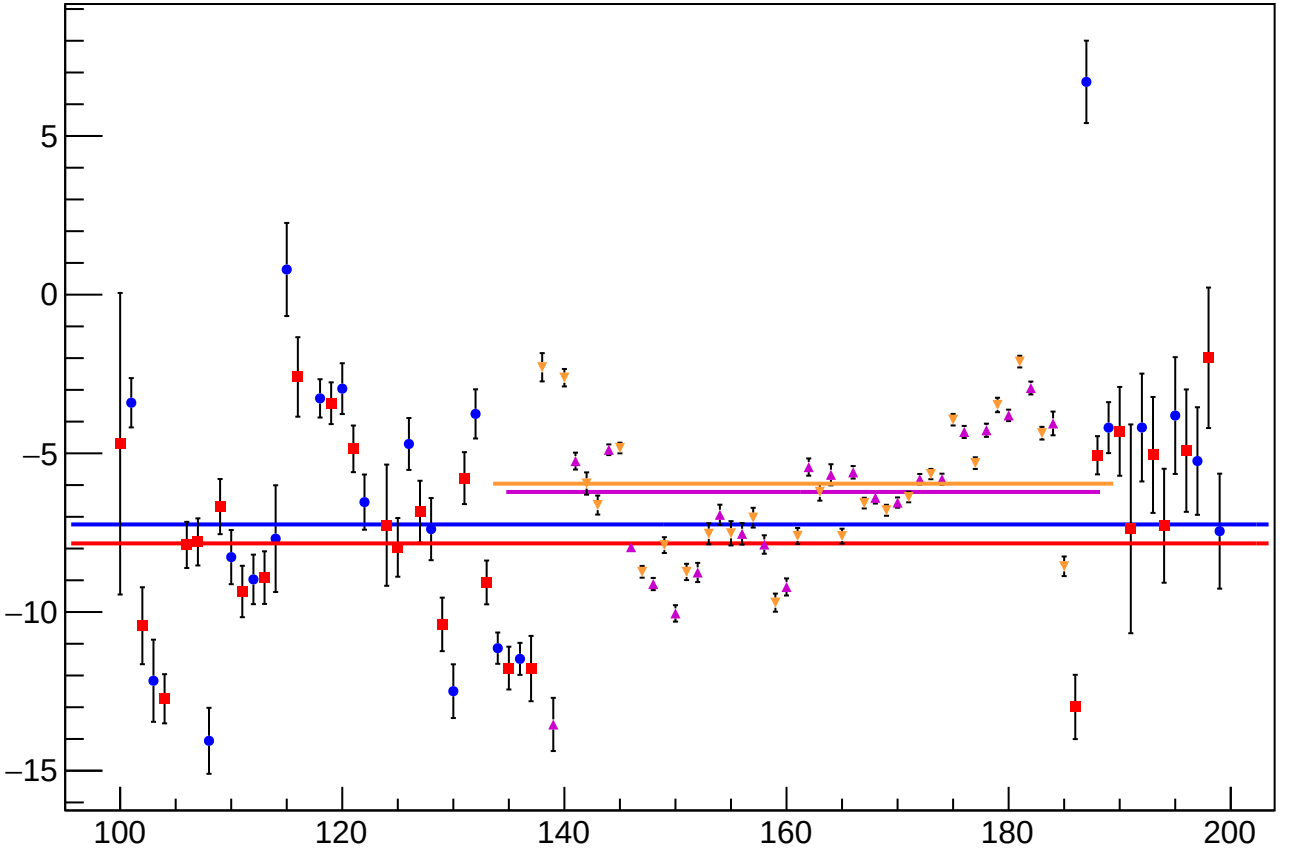
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.534+/-0.054 χ^2/NDF: 7513.5/46

All: -29.248+/-0.038 χ^2/NDF: 15195.8/96

- sign -28.961+/-0.054 χ^2/NDF: 7625.2/49

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.240+/-0.183 χ^2/NDF: 530.5/21

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.838+/-0.179 χ^2/NDF: 264.8/26

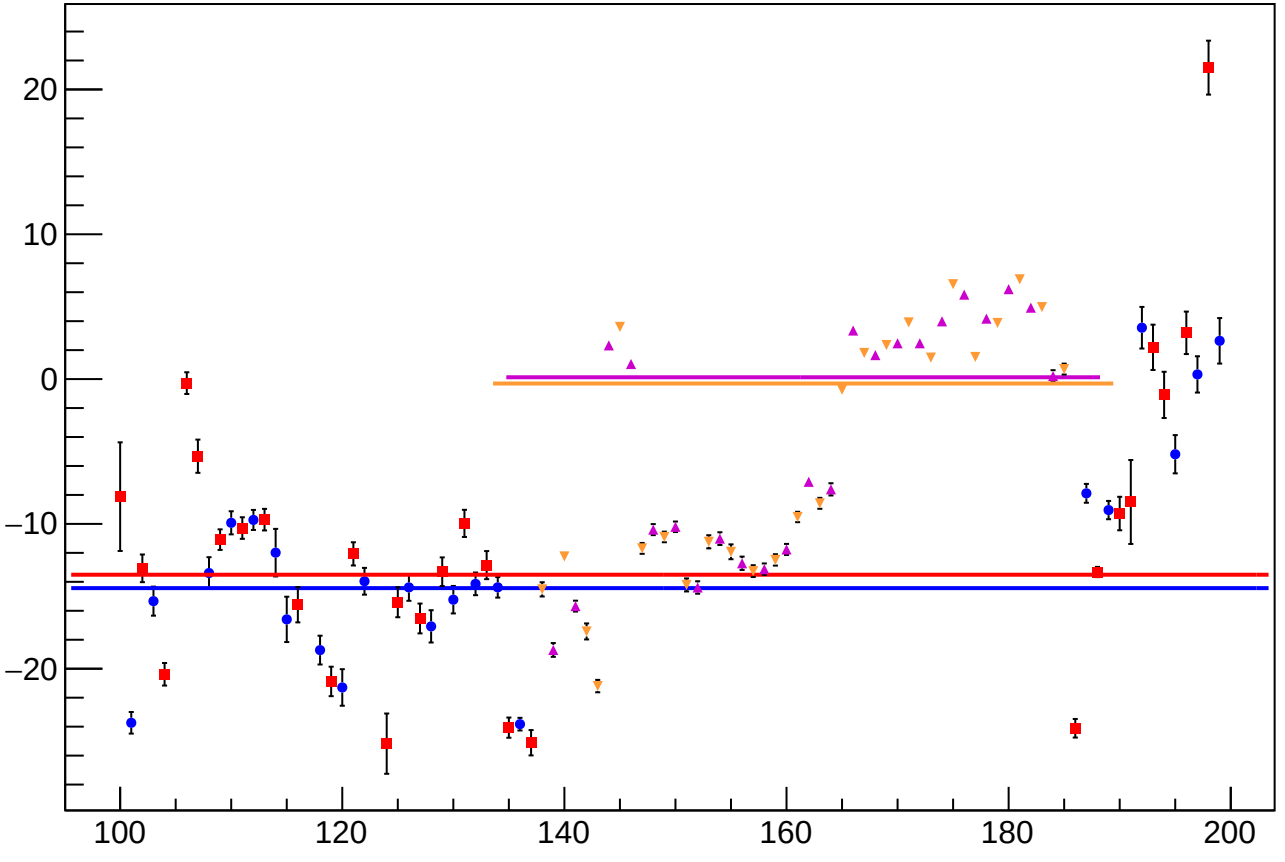
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.027+/-0.043 χ^2/NDF: 2434.7/46

All: -6.170+/-0.030 χ^2/NDF: 4540.2/96

- sign -6.310+/-0.043 χ^2/NDF: 2084.0/49

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -14.435+/-0.183 χ^2/NDF: 1391.4/21

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.510+/-0.167 χ^2/NDF: 1954.5/26

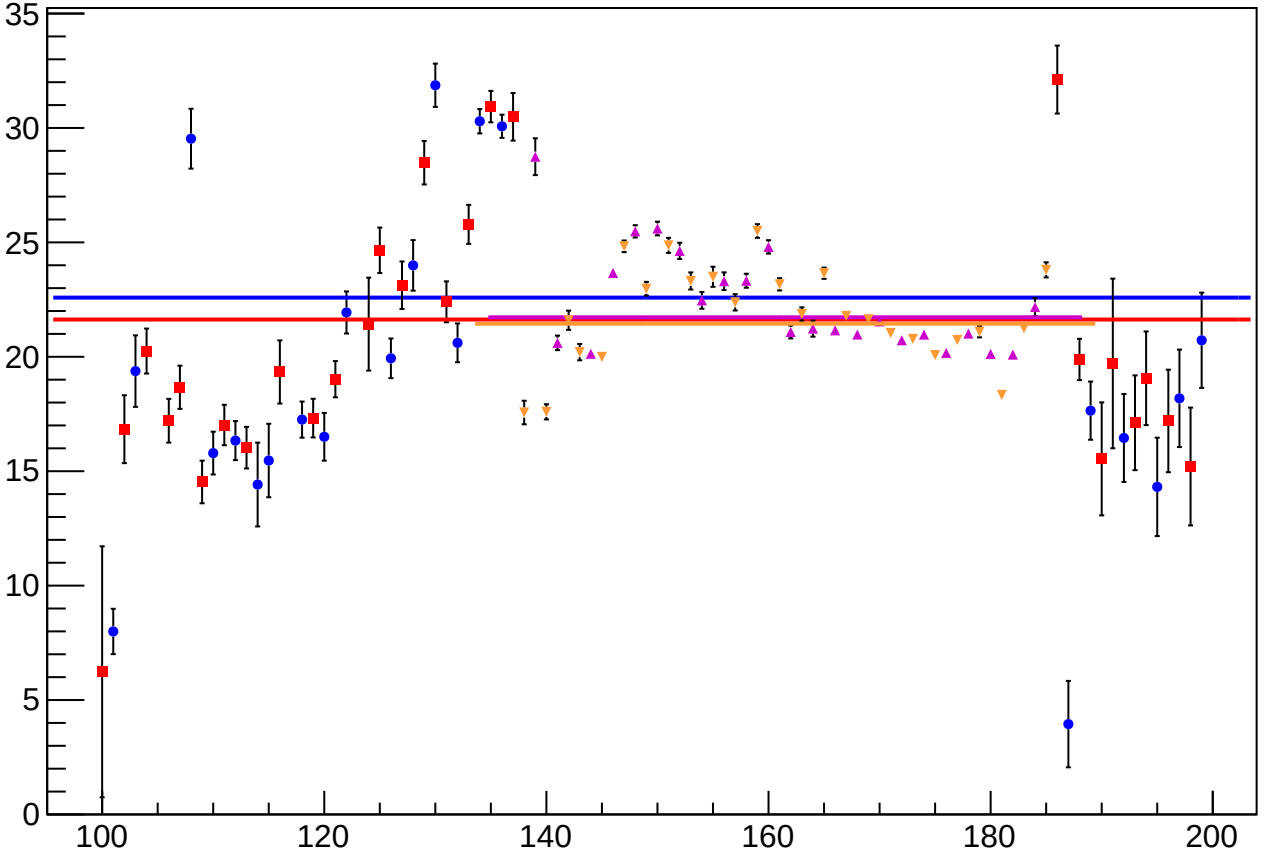
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.535+/-0.054 χ^2/NDF: 23999.9/46

All: -1.413+/-0.038 χ^2/NDF: 45750.6/96

- sign -1.292+/-0.054 χ^2/NDF: 21740.6/49

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.586+/-0.209 χ^2/NDF: 1159.0/21

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.628+/-0.210 χ^2/NDF: 634.9/26

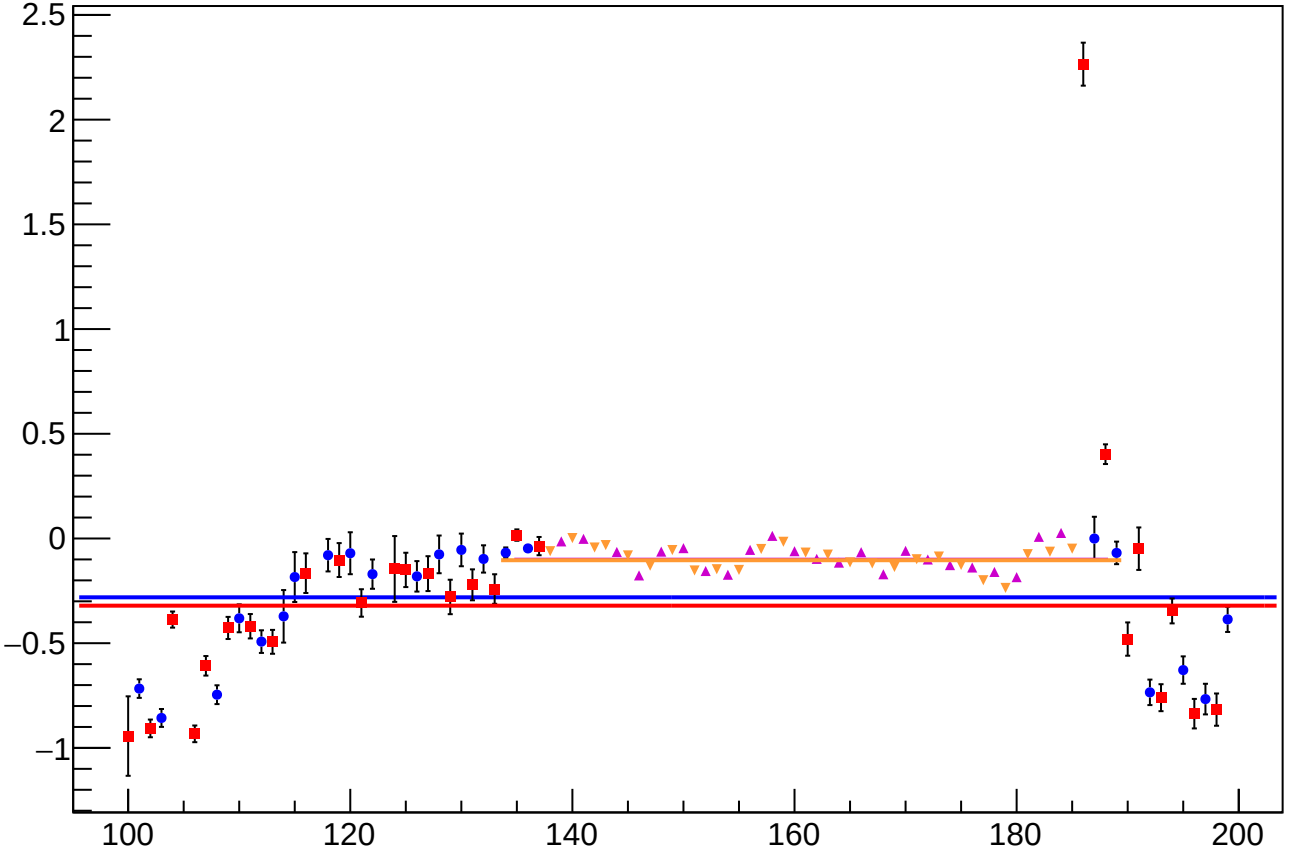
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

\+ sign 21.507+/-0.048 χ^2/NDF: 2512.3/46

All: 21.614+/-0.034 χ^2/NDF: 4330.8/96

\- sign 21.720+/-0.048 χ^2/NDF: 1808.8/49

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.281+/-0.011 χ^2/NDF: 794.3/21

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.321+/-0.011 χ^2/NDF: 1739.7/26

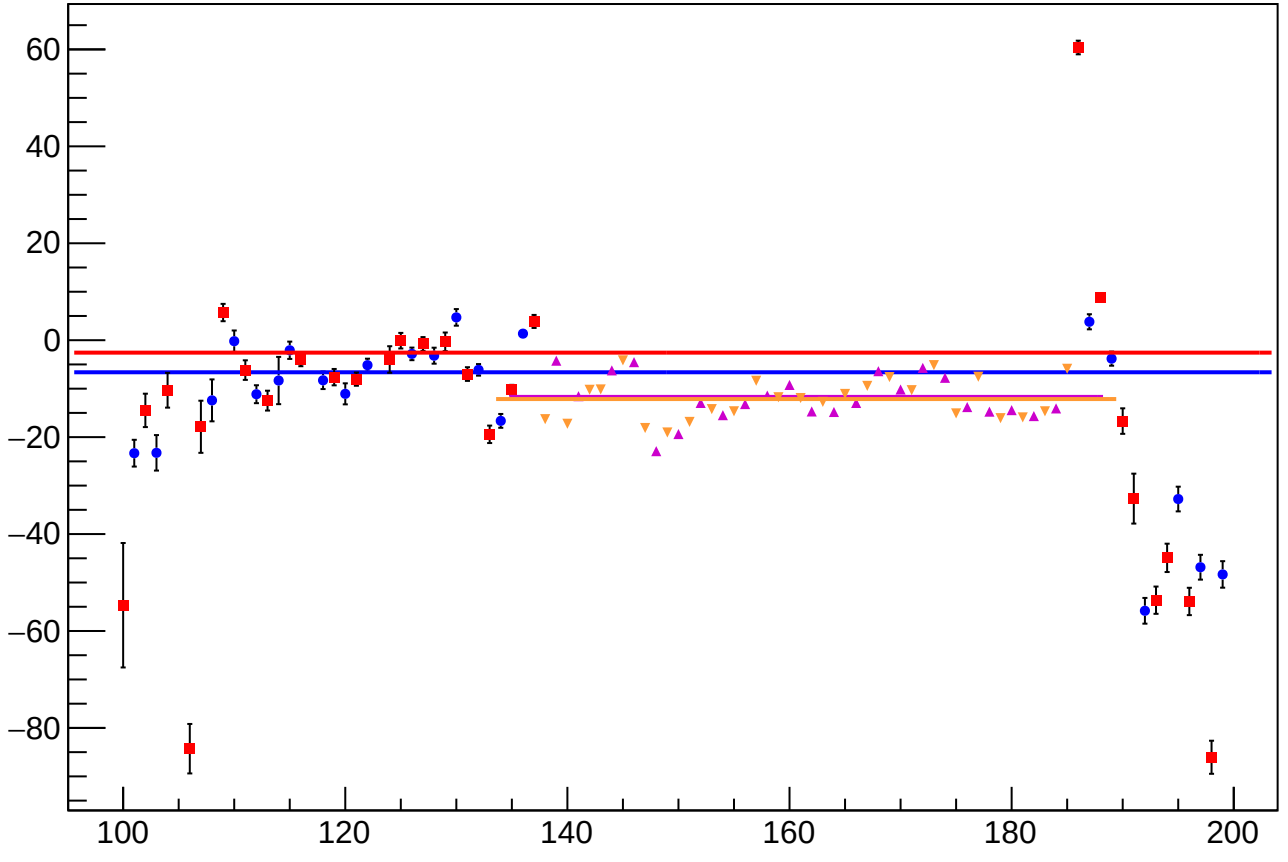
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1605.4/46

All: -0.110+/-0.002 χ^2/NDF: 4484.8/96

- sign -0.110+/-0.002 χ^2/NDF: 2879.3/49

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -6.618+/-0.347 χ^2/NDF: 1307.4/21

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

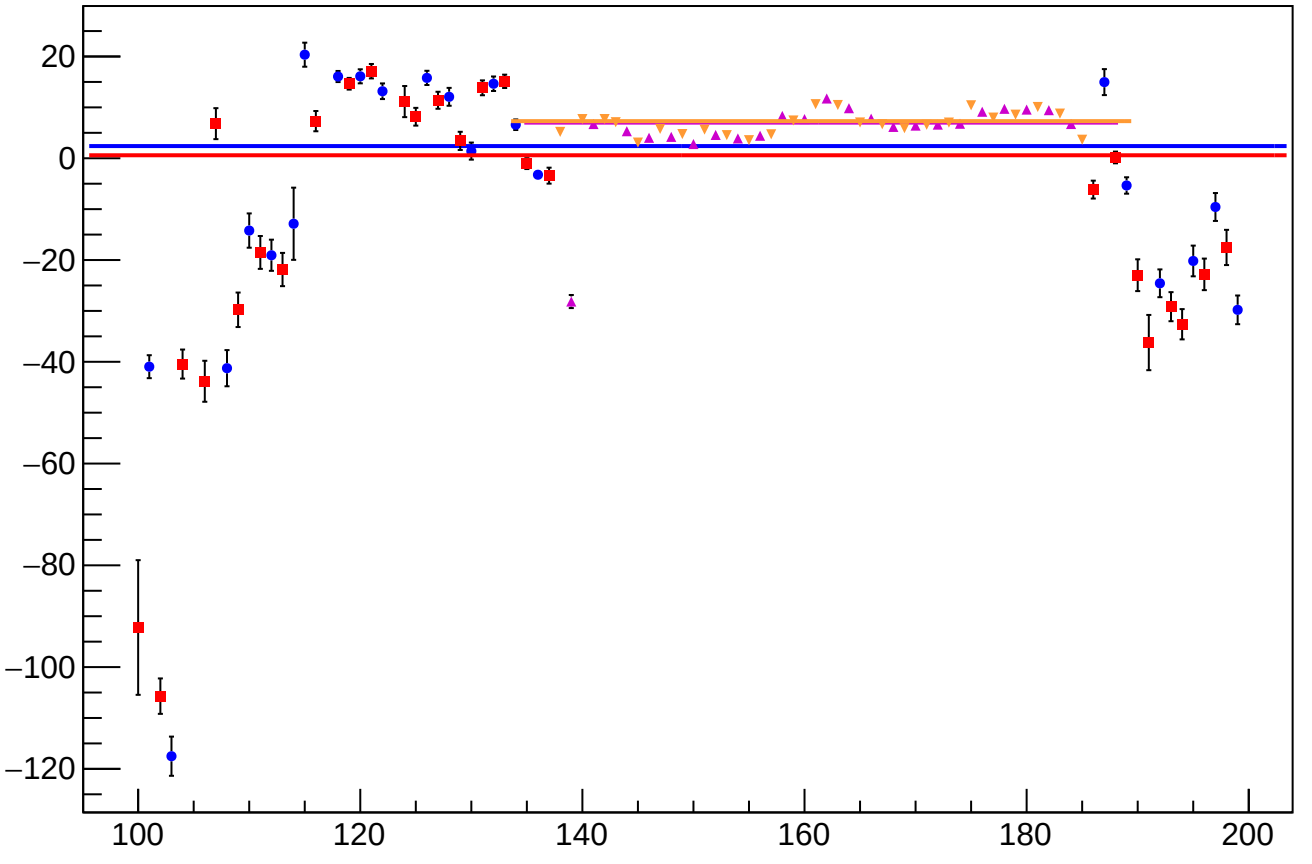
Right Out: -2.566+/-0.340 χ^2/NDF: 4265.7/26

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.783+/-0.088 χ^2/NDF: 3675.5/46

All: -11.424+/-0.063 χ^2/NDF: 10595.2/96

- sign -11.047+/-0.091 χ^2/NDF: 6886.0/49



Right In: 2.397+/-0.358 χ^2/NDF: 2543.5/21

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 0.589+/-0.372 χ^2/NDF: 2497.4/26

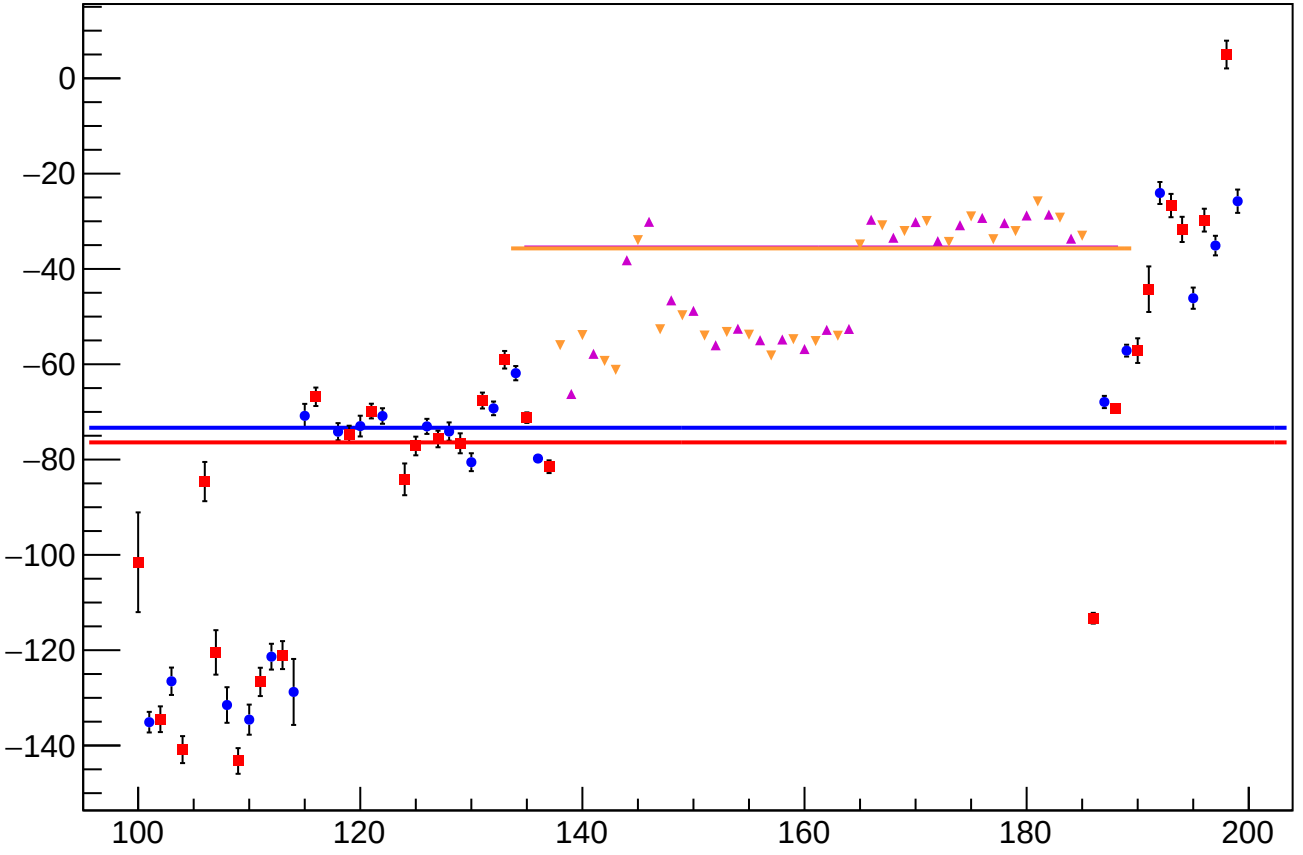
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.092+/-0.073 χ^2/NDF: 3545.5/46

All: 6.922+/-0.052 χ^2/NDF: 7915.6/96

- sign 6.747+/-0.074 χ^2/NDF: 4359.2/49

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -73.325+/-0.358 χ^2/NDF: 3846.5/21

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -76.396+/-0.342 χ^2/NDF: 5570.0/26

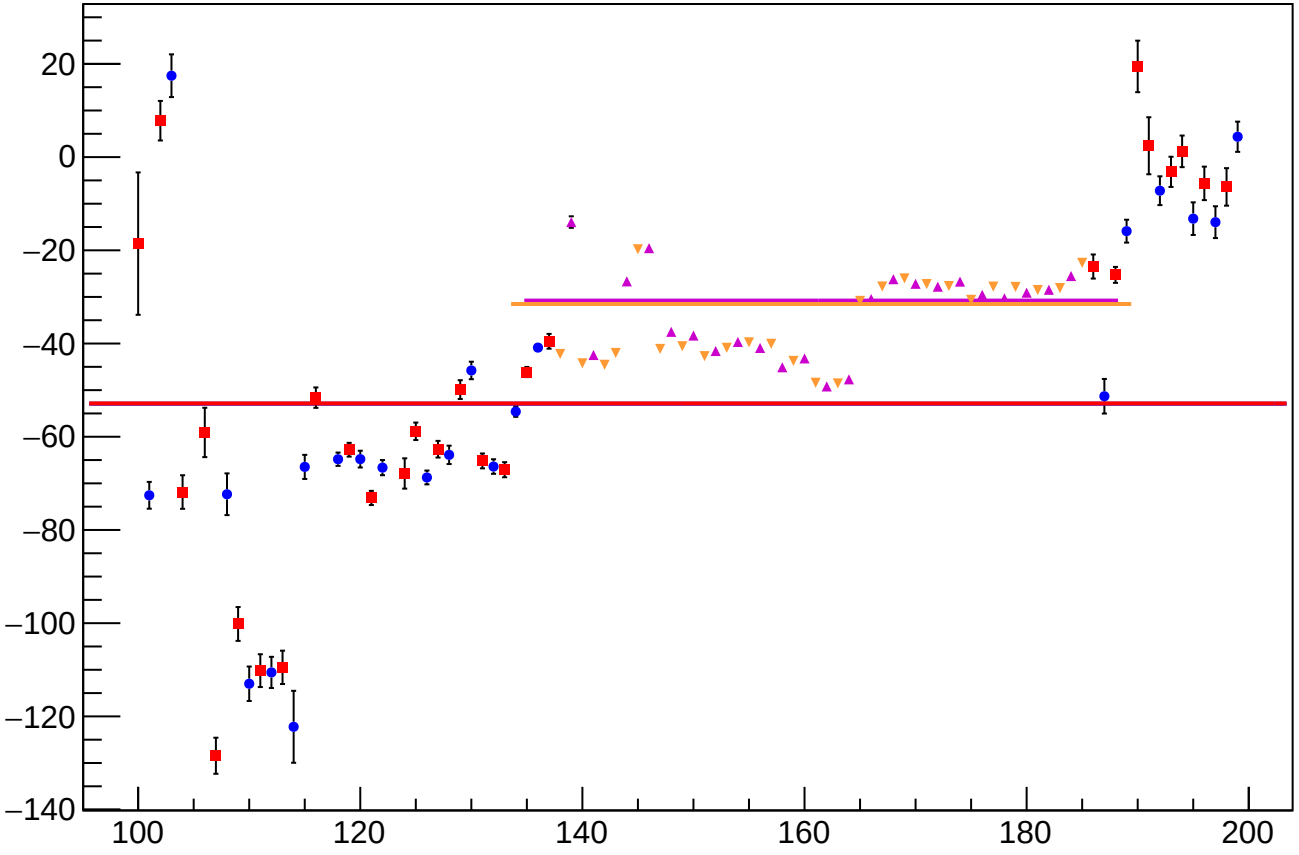
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.033+/-0.089 χ^2/NDF: 26991.9/46

All: -38.217+/-0.064 χ^2/NDF: 57042.1/96

- sign -38.408+/-0.091 χ^2/NDF: 30041.6/49

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -52.905+/-0.404 χ^2/NDF: 2640.9/21

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -52.855+/-0.430 χ^2/NDF: 3276.1/26

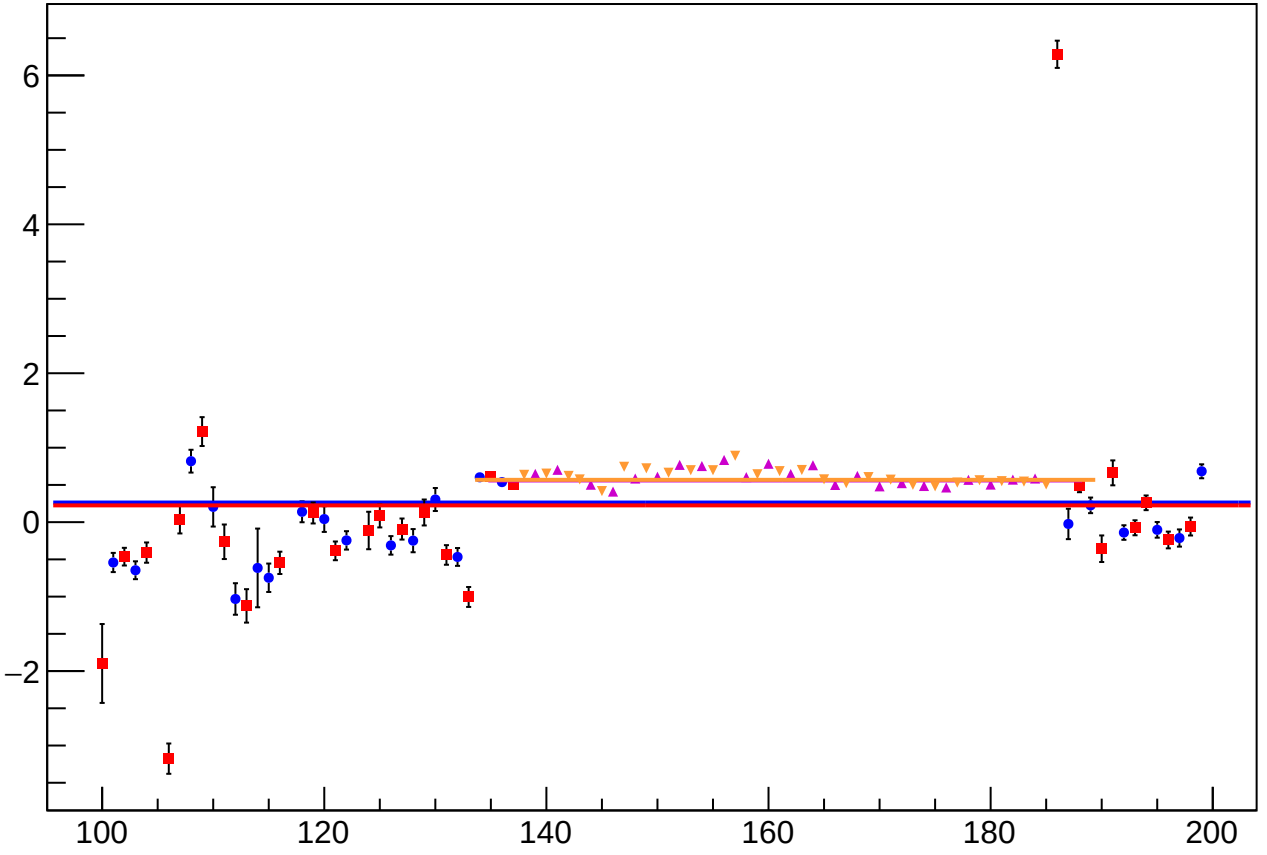
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.381+/-0.081 χ^2/NDF: 13786.1/46

All: -32.001+/-0.058 χ^2/NDF: 27187.7/96

- sign -31.604+/-0.083 χ^2/NDF: 13356.6/49

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.263+/-0.020 χ^2/NDF: 446.0/21

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.225+/-0.022 χ^2/NDF: 1841.2/26

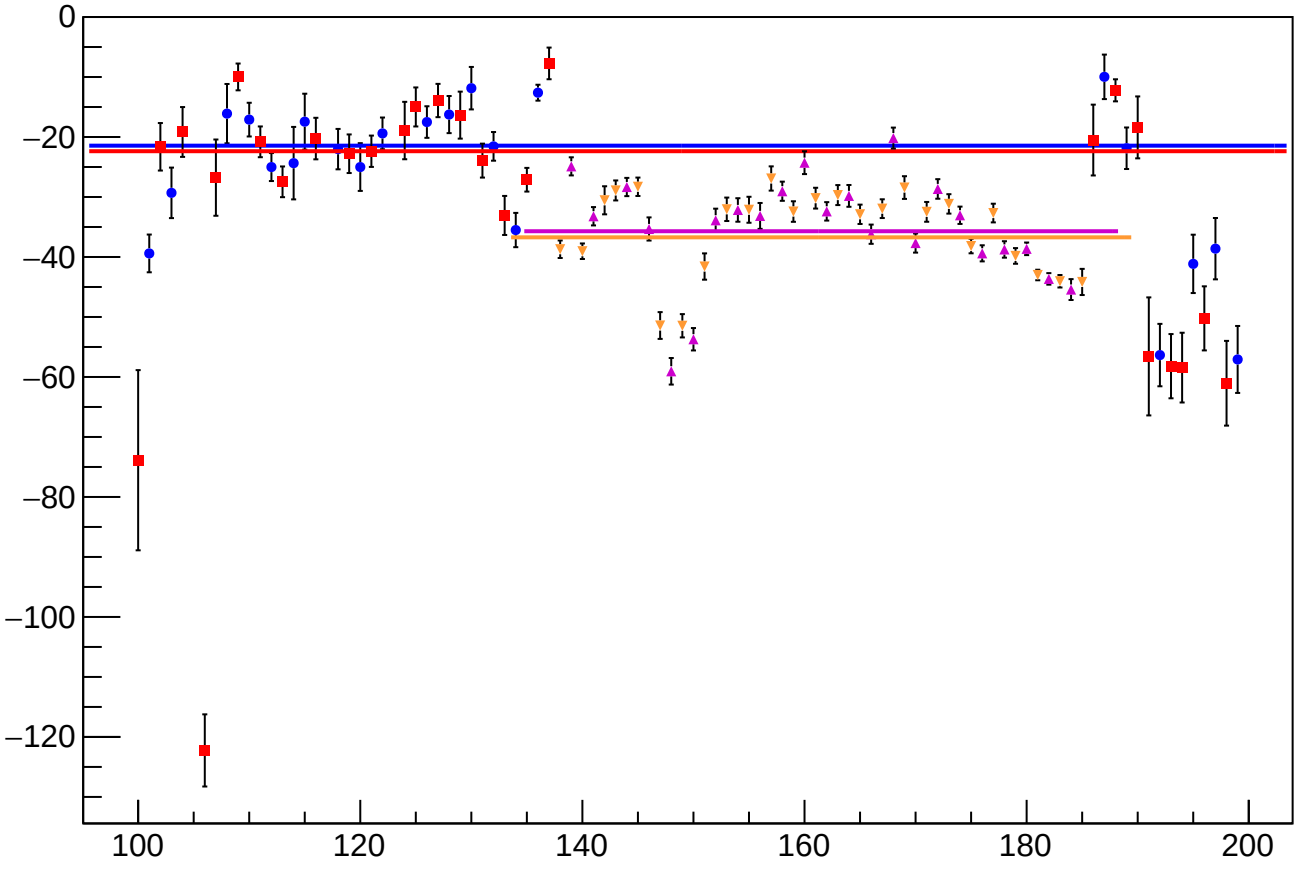
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.559+/-0.004 χ^2/NDF: 1216.3/46

All: 0.555+/-0.003 χ^2/NDF: 3950.1/96

- sign 0.551+/-0.004 χ^2/NDF: 2731.5/49

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -21.444+/-0.649 χ^2/NDF: 248.4/21

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.368+/-0.638 χ^2/NDF: 572.9/26

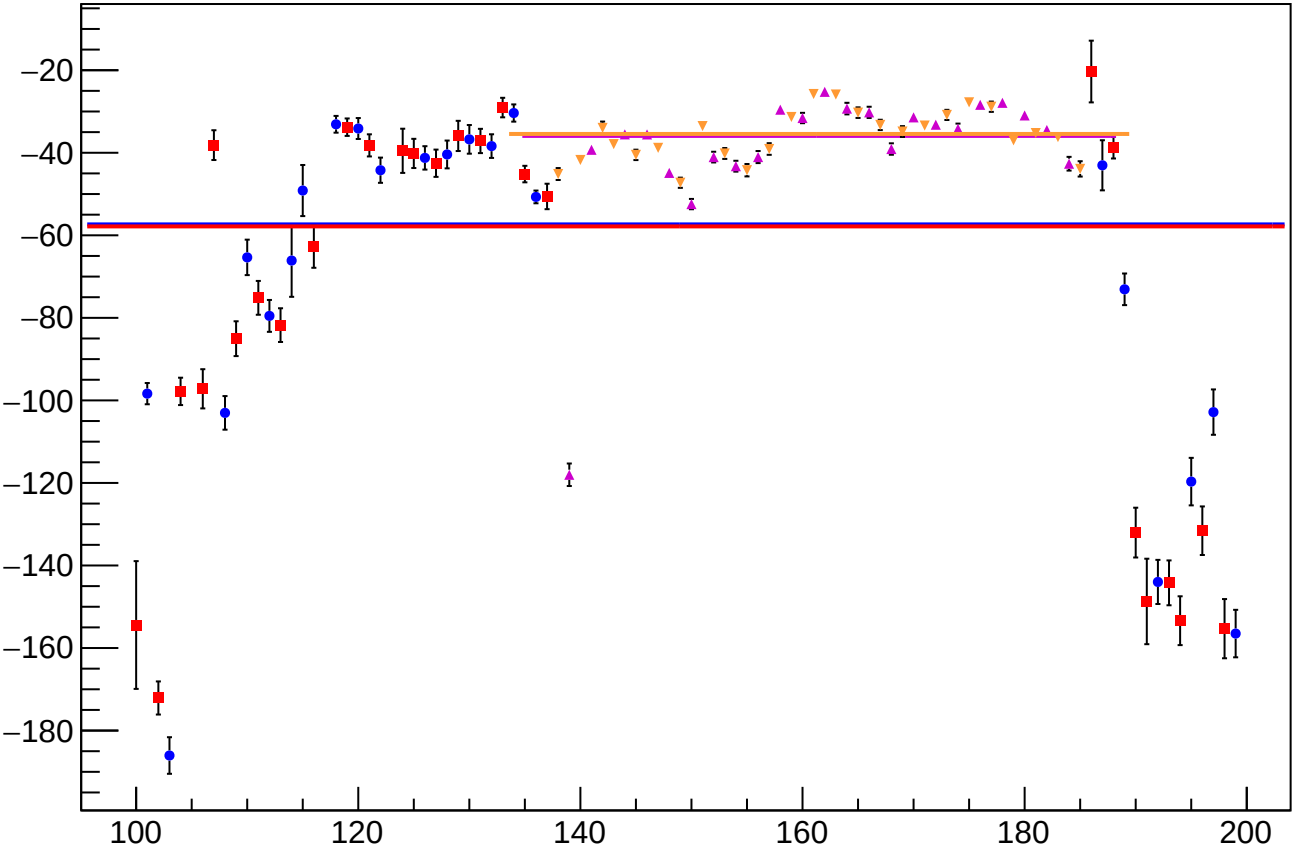
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.879+/-0.280 χ^2/NDF: 1120.9/46

All: -33.445+/-0.201 χ^2/NDF: 2624.9/96

- sign -32.984+/-0.288 χ^2/NDF: 1499.1/49

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -57.358+/-0.671 χ^2/NDF: 2596.8/21

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -57.841+/-0.691 χ^2/NDF: 2870.7/26

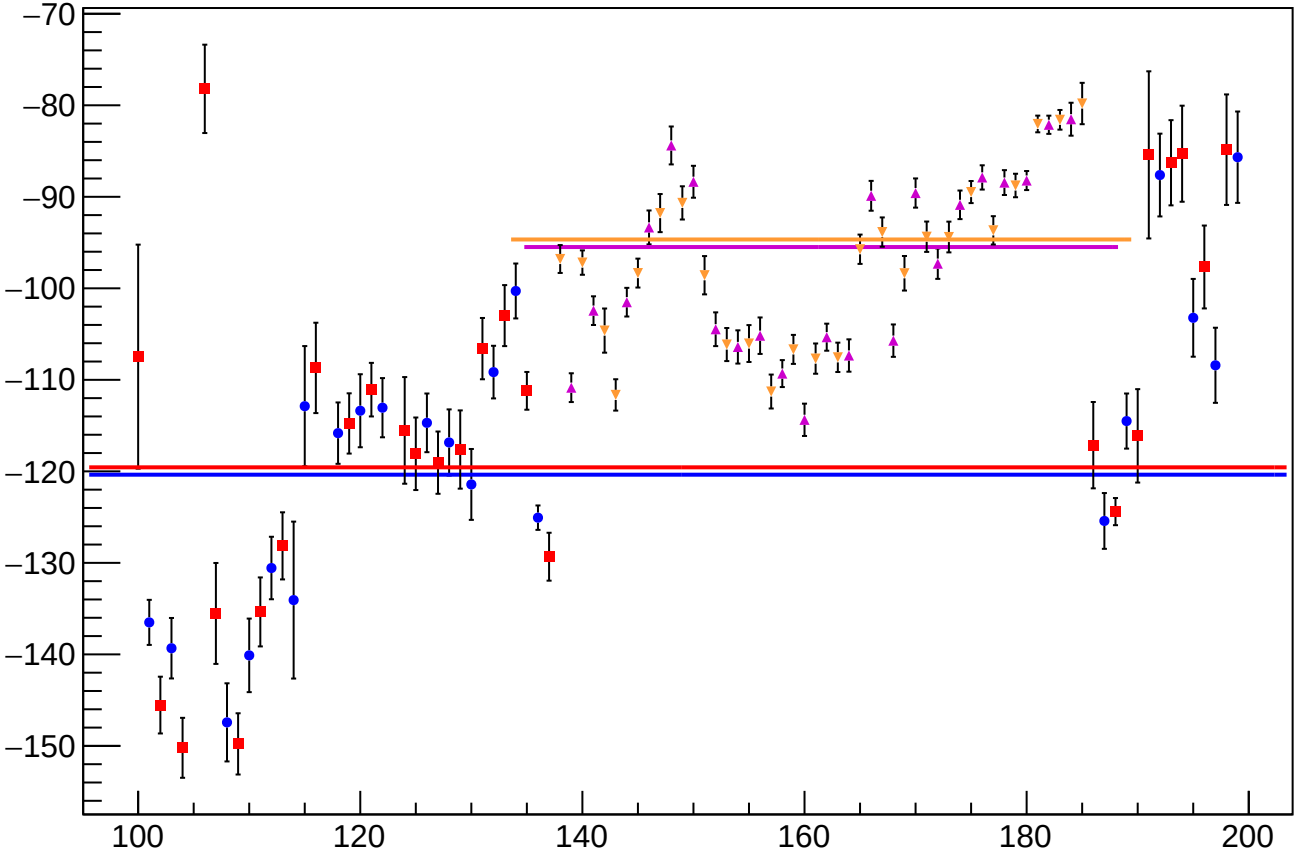
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -38.015+/-0.230 χ^2/NDF: 4074.9/46

All: -38.278+/-0.166 χ^2/NDF: 9377.9/96

- sign -38.565+/-0.240 χ^2/NDF: 5300.3/49

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -120.365+/-0.674 χ^2/NDF: 371.5/21

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -119.560+/-0.664 χ^2/NDF: 606.8/26

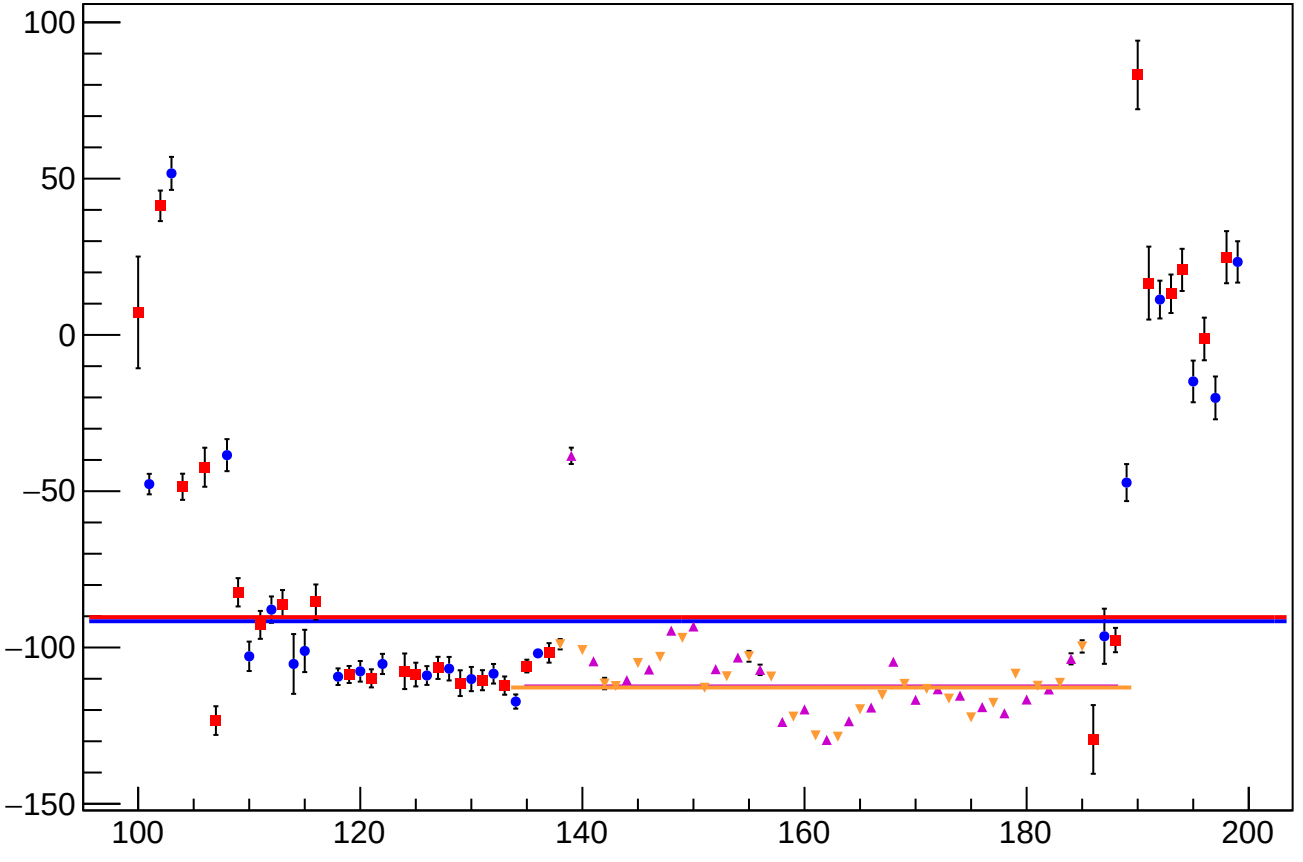
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.143+/-0.282 χ^2/NDF: 2471.3/46

All: -99.585+/-0.202 χ^2/NDF: 5117.5/96

- sign -100.050+/-0.289 χ^2/NDF: 2641.2/49

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -91.593+/-0.761 χ^2/NDF: 2281.5/21

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -90.289+/-0.795 χ^2/NDF: 2574.5/26

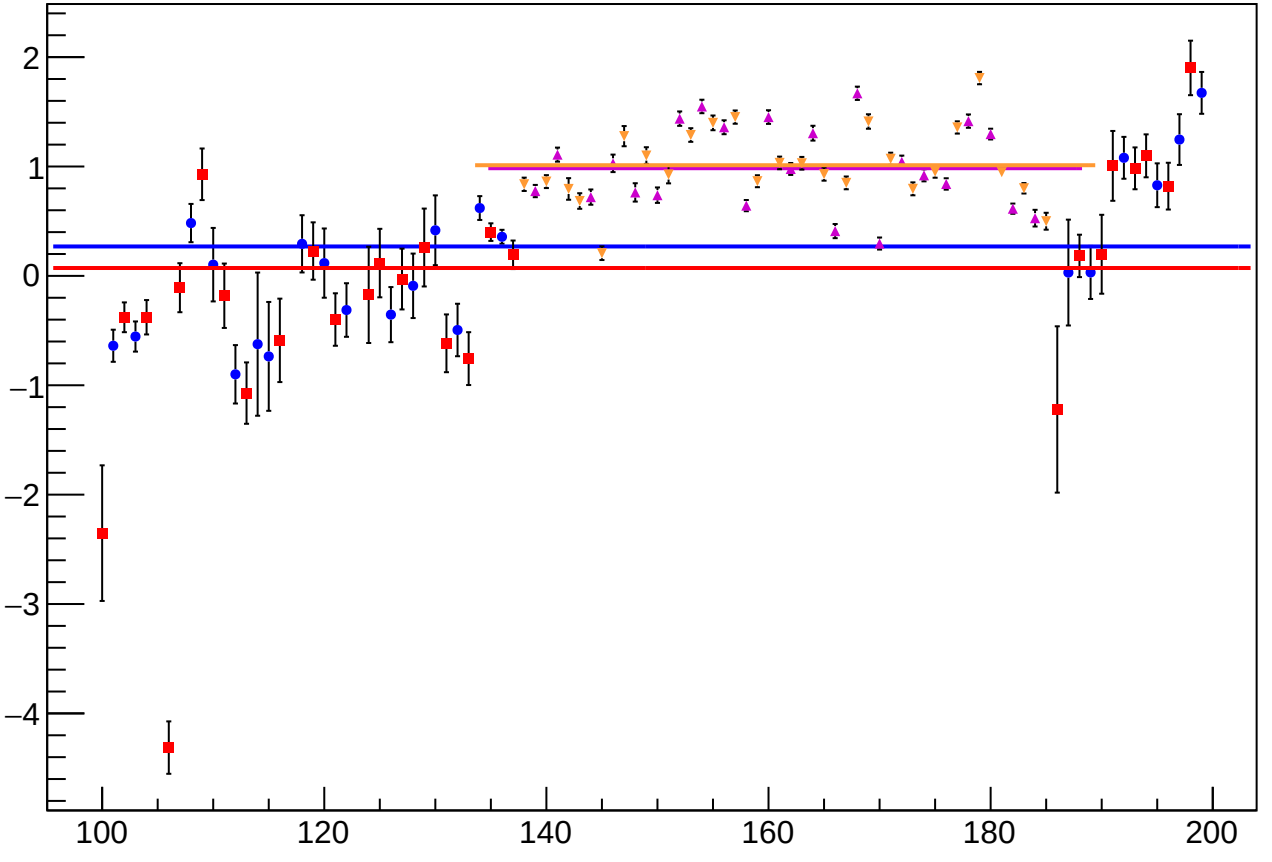
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -110.362+/-0.258 χ^2/NDF: 3904.5/46

All: -110.160+/-0.186 χ^2/NDF: 8958.5/96

- sign -109.942+/-0.268 χ^2/NDF: 5052.7/49

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.269+/-0.038 χ^2/NDF: 235.5/21

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.072+/-0.040 χ^2/NDF: 572.6/26

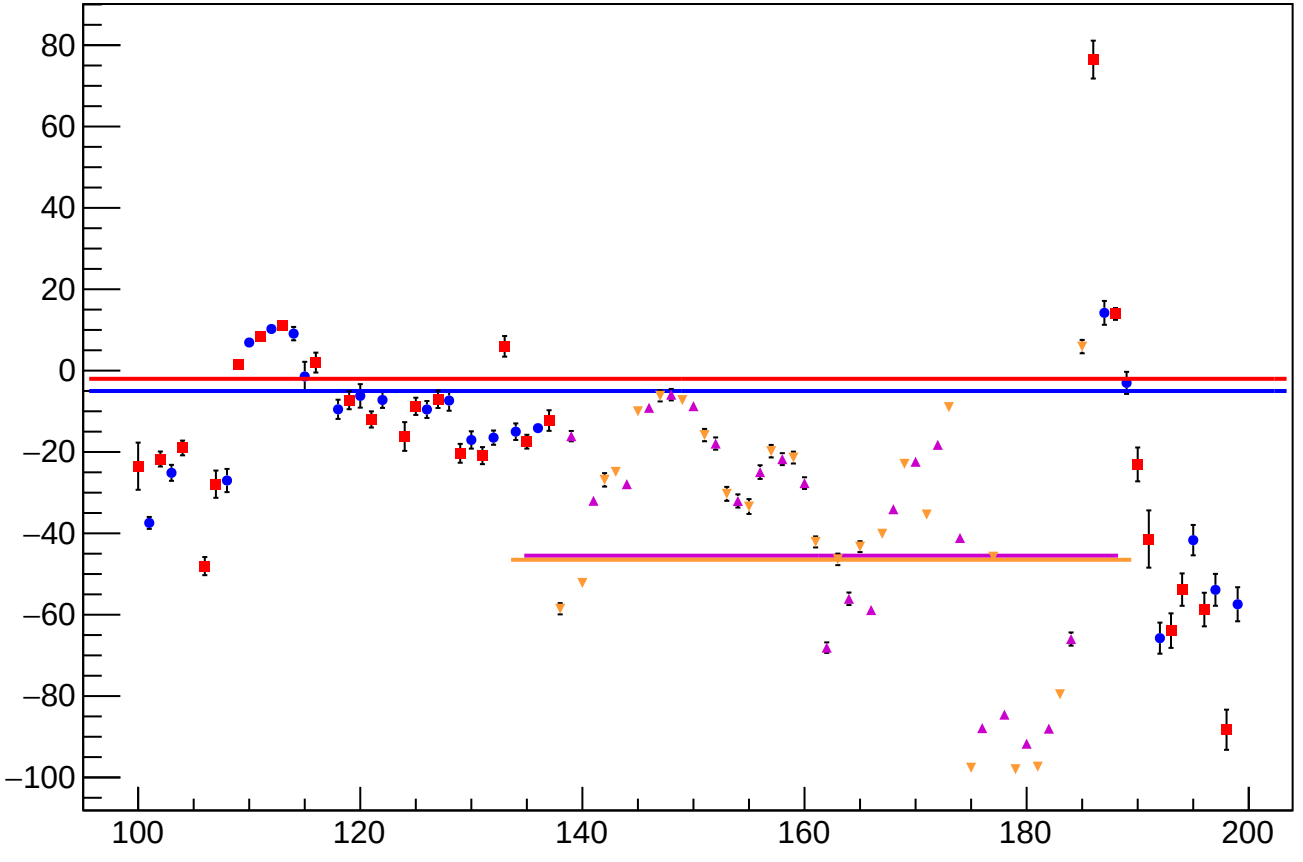
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.940+/-0.012 χ^2/NDF: 1279.7/46

All: 0.921+/-0.008 χ^2/NDF: 3237.2/96

- sign 0.902+/-0.012 χ^2/NDF: 1952.1/49

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -5.013+/-0.364 χ^2/NDF: 2249.6/21

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -2.013+/-0.324 χ^2/NDF: 2864.8/26

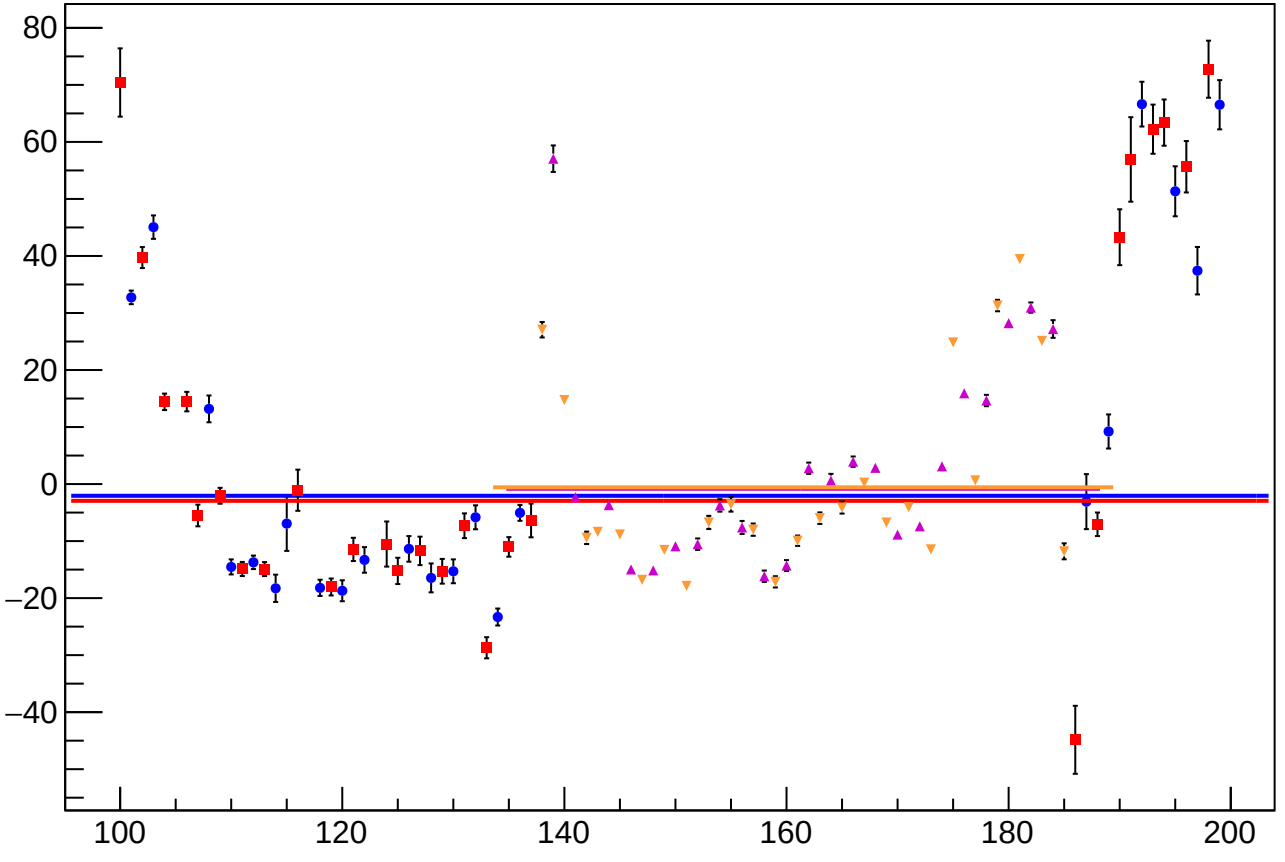
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.638+/-0.194 χ^2/NDF: 31585.3/46

All: -32.412+/-0.136 χ^2/NDF: 62002.5/96

- sign -30.253+/-0.192 χ^2/NDF: 30159.1/49

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -2.055+/-0.416 χ^2/NDF: 2997.5/21

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -2.939+/-0.404 χ^2/NDF: 2647.0/26

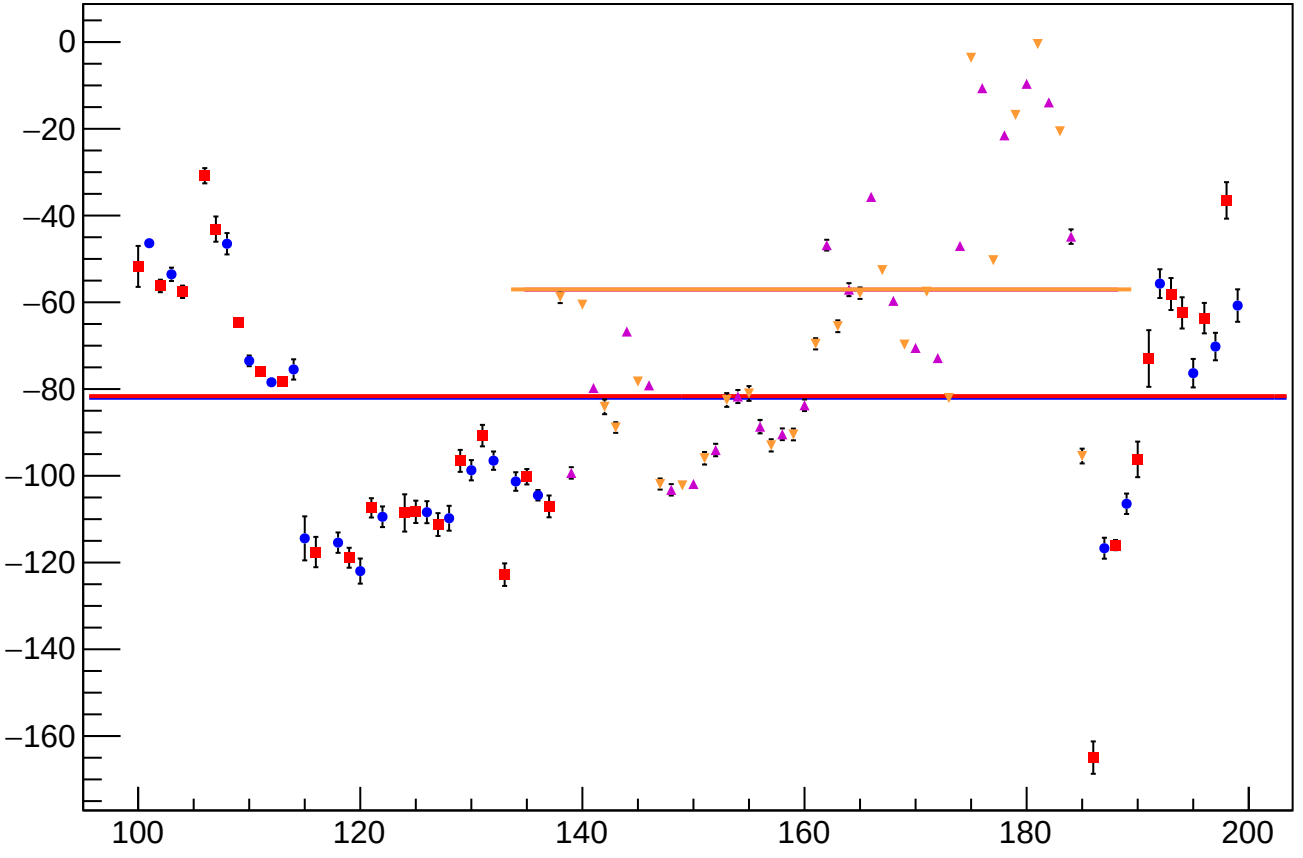
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.800+/-0.163 χ^2/NDF: 11459.7/46

All: -0.990+/-0.117 χ^2/NDF: 20248.8/96

- sign -1.188+/-0.167 χ^2/NDF: 8786.3/49

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -82.006+/-0.411 χ^2/NDF: 3300.8/21

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.635+/-0.380 χ^2/NDF: 4818.0/26

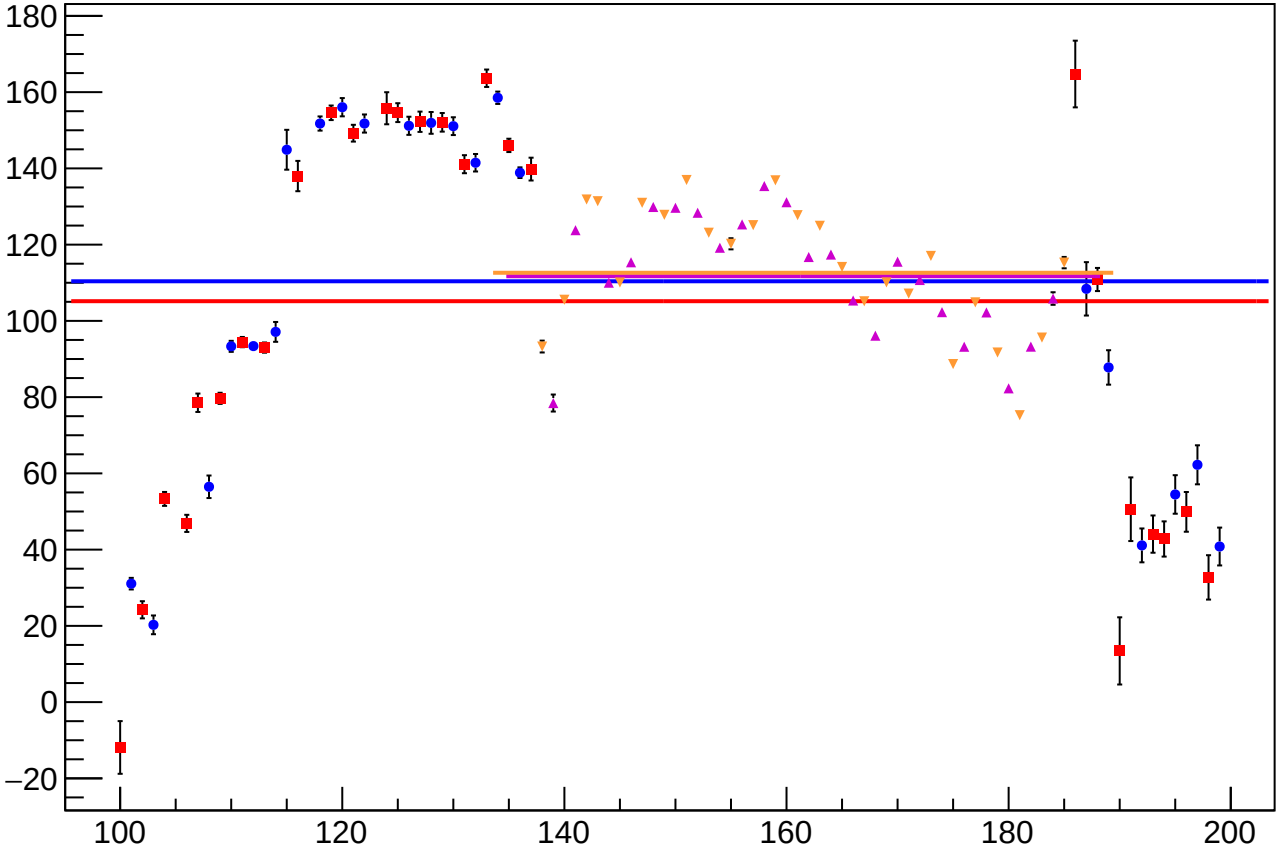
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

\+ sign -62.973+/-0.201 χ^2/NDF: 26419.7/46

All: -63.461+/-0.142 χ^2/NDF: 51424.5/96

\- sign -63.949+/-0.201 χ^2/NDF: 24992.9/49

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 110.390+/-0.476 χ^2/NDF: 8911.7/21

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 105.165+/-0.463 χ^2/NDF: 8375.1/26

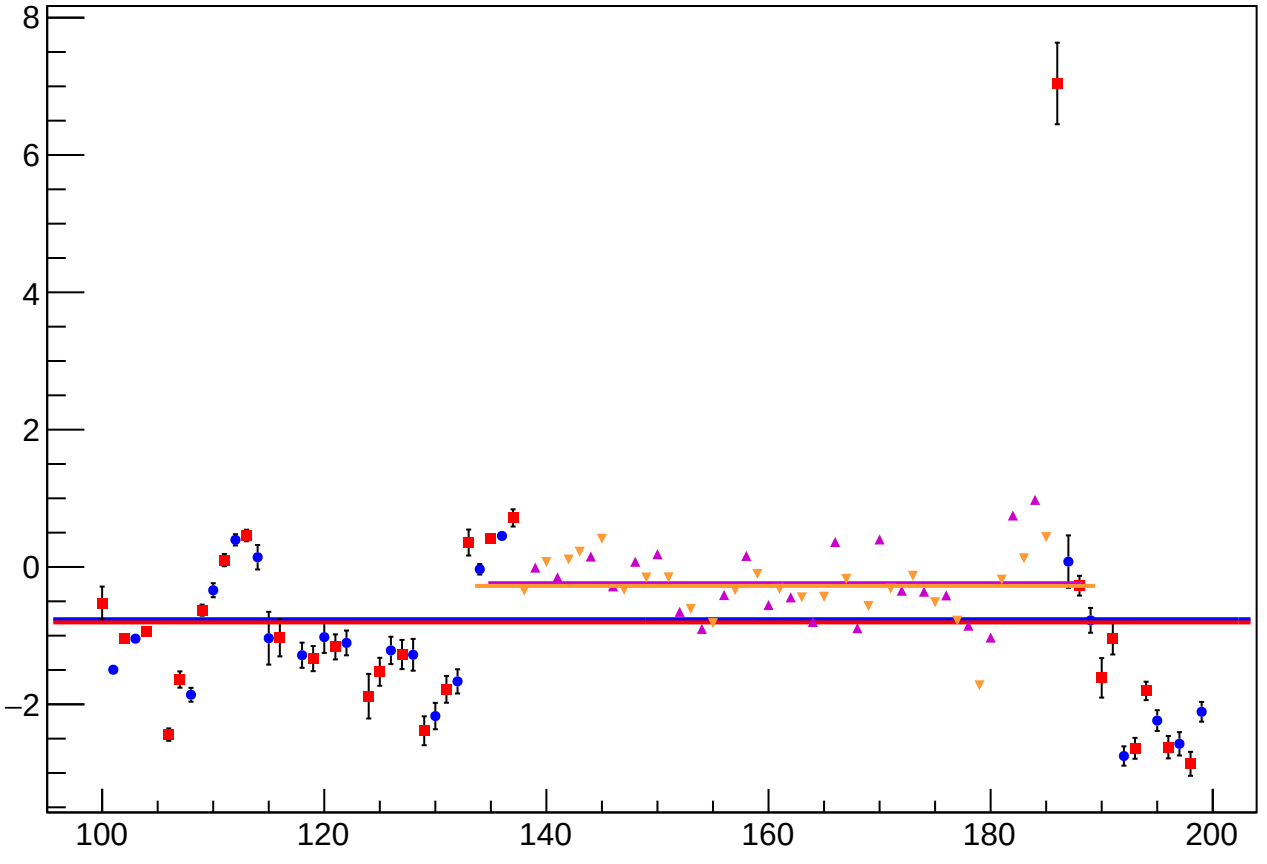
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.289+/-0.184 χ^2/NDF: 15638.5/46

All: 111.481+/-0.132 χ^2/NDF: 29116.6/96

- sign 110.638+/-0.188 χ^2/NDF: 13438.9/49

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.761+/-0.024 χ^2/NDF: 1656.4/21

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.807+/-0.023 χ^2/NDF: 2012.9/26

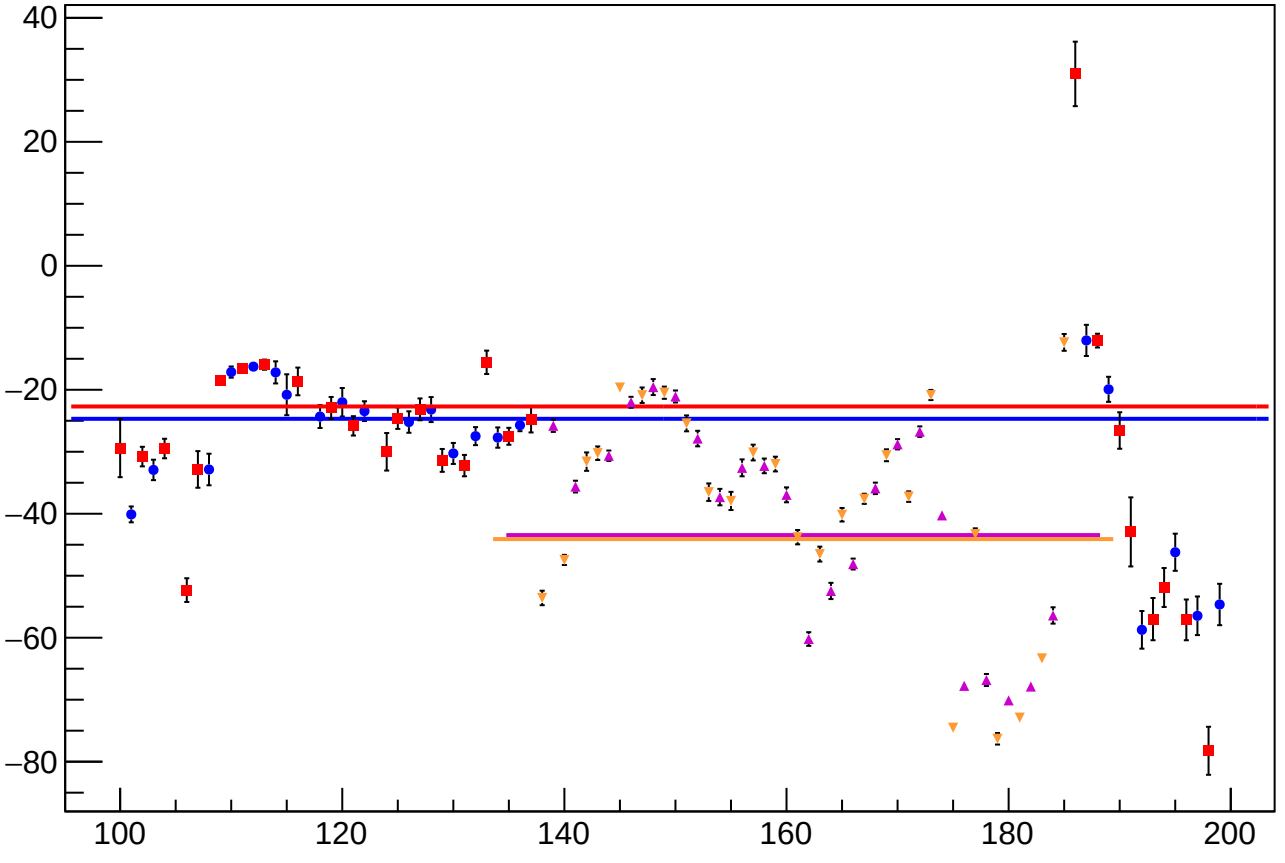
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.335+/-0.008 χ^2/NDF: 4134.3/46

All: -0.324+/-0.006 χ^2/NDF: 9626.9/96

- sign -0.313+/-0.009 χ^2/NDF: 5489.1/49

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -24.685+/-0.332 χ^2/NDF: 808.9/21

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.698+/-0.302 χ^2/NDF: 1268.3/26

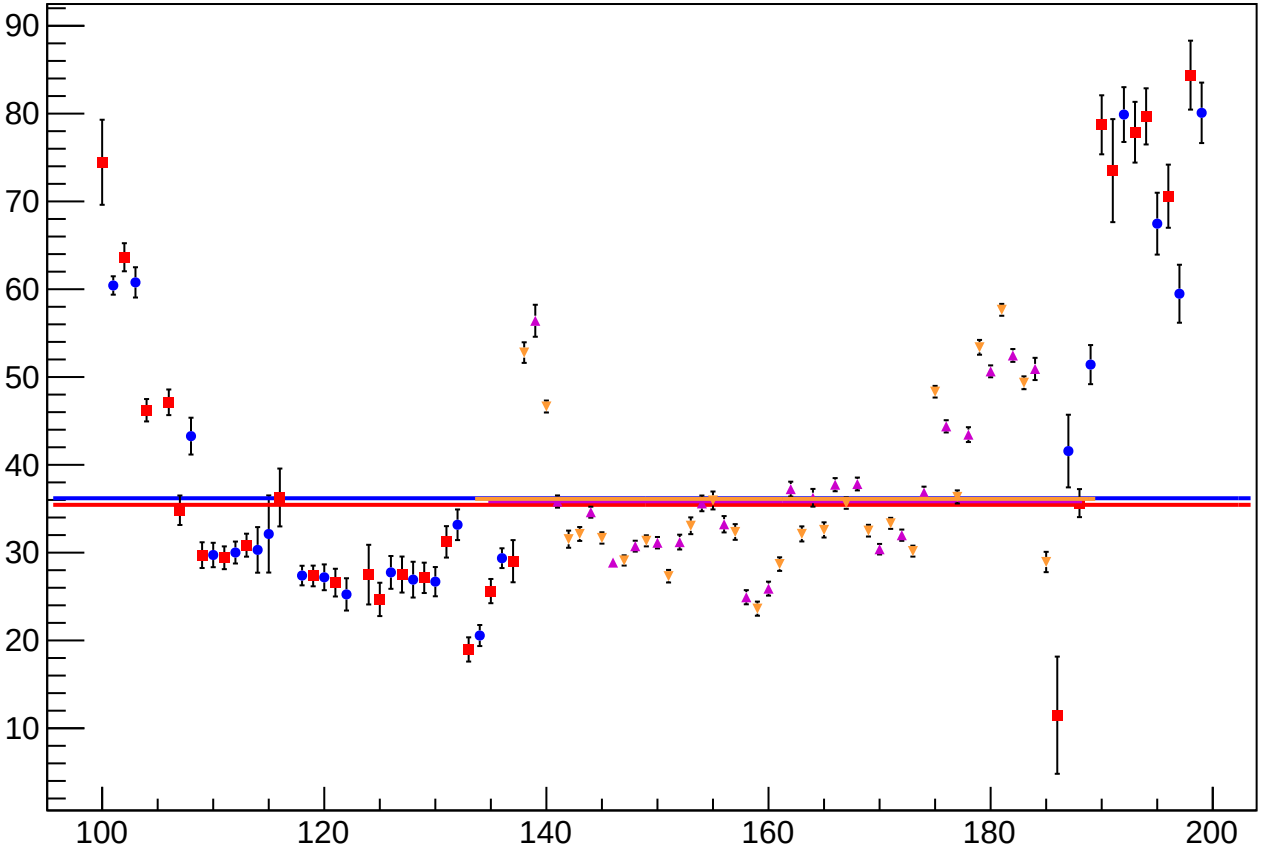
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.191+/-0.167 χ^2/NDF: 13698.9/46

All: -38.171+/-0.118 χ^2/NDF: 26162.6/96

- sign -37.162+/-0.166 χ^2/NDF: 12389.4/49

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 36.195+/-0.360 χ^2/NDF: 1757.0/21

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 35.444+/-0.352 χ^2/NDF: 1735.0/26

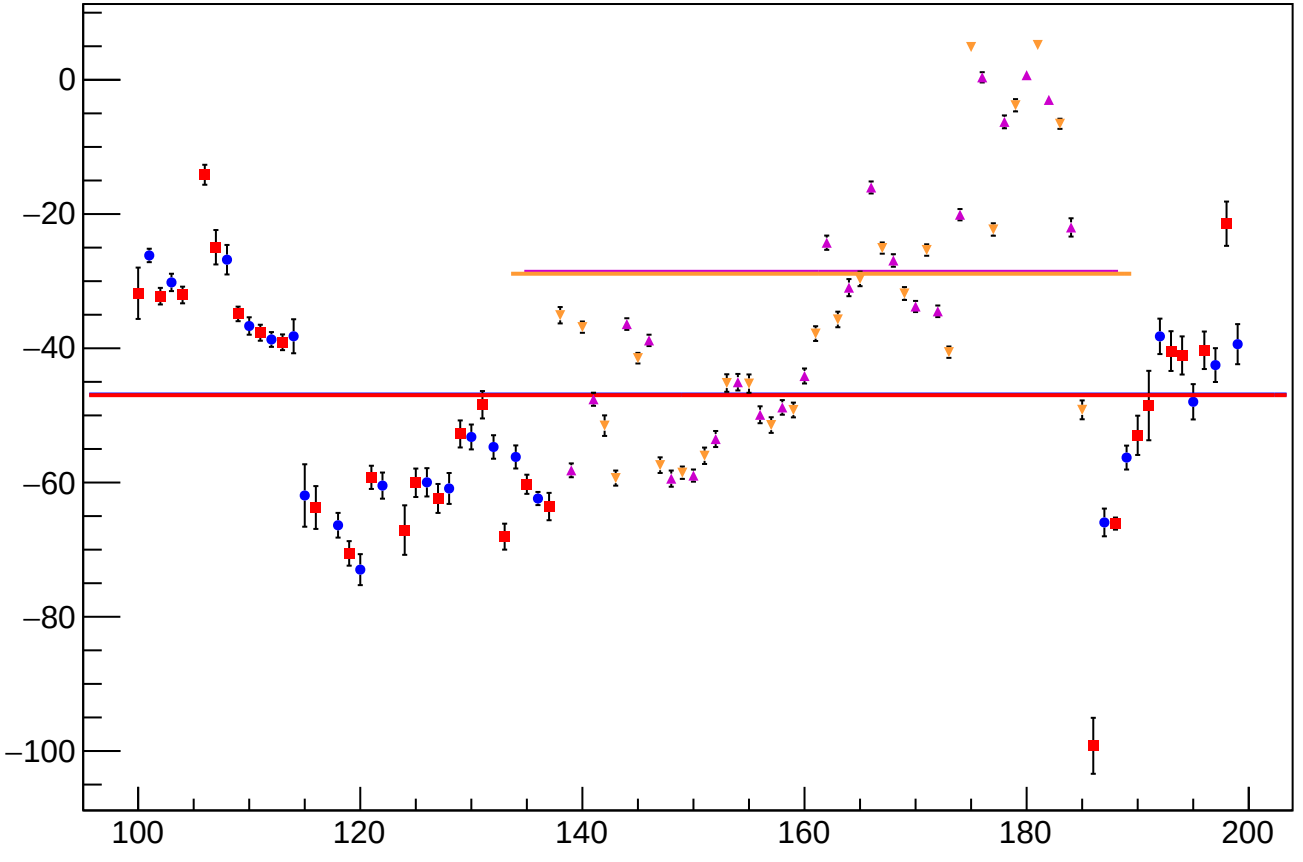
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.134+/-0.138 χ^2/NDF: 5315.6/46

All: 35.964+/-0.099 χ^2/NDF: 9348.3/96

- sign 35.786+/-0.142 χ^2/NDF: 4029.6/49

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.890+/-0.361 χ^2/NDF: 1626.3/21

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.983+/-0.335 χ^2/NDF: 2425.9/26

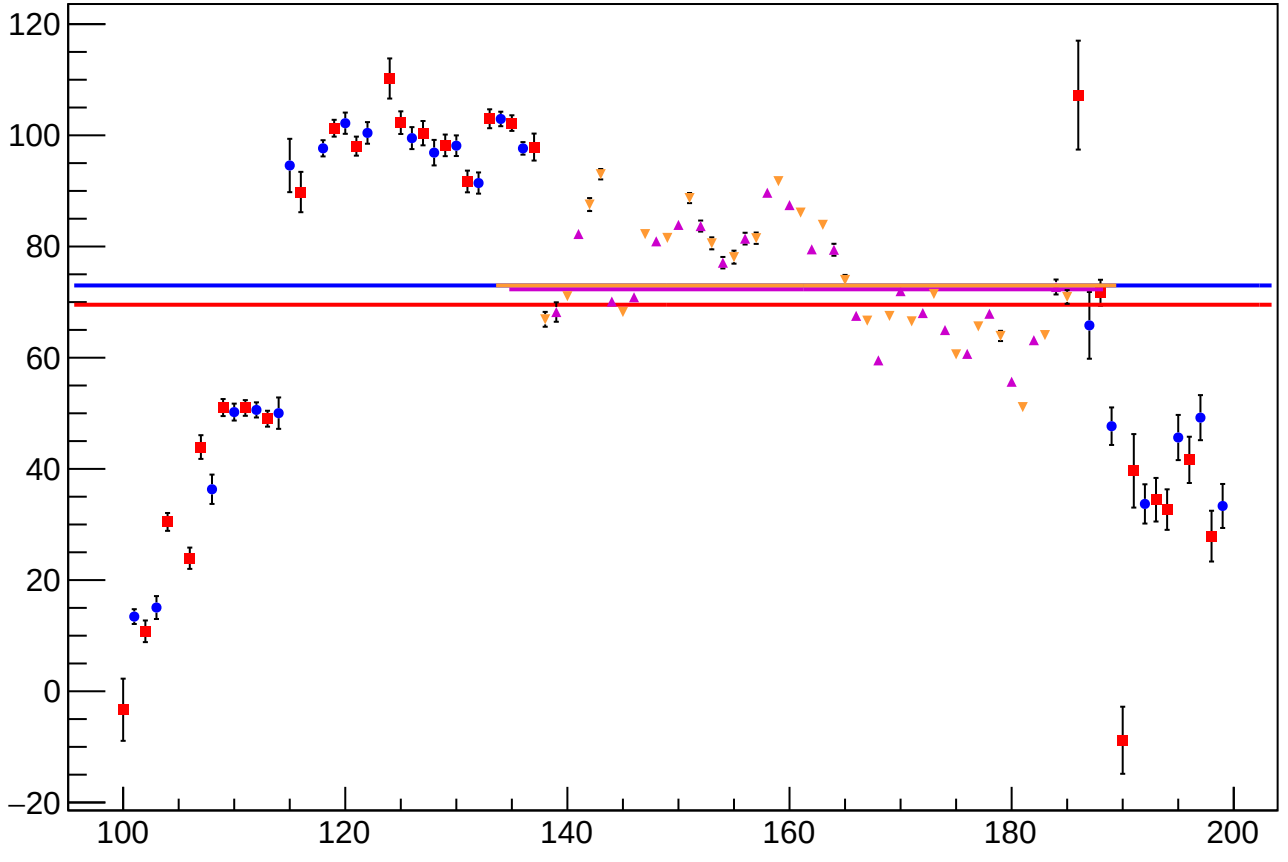
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.890+/-0.170 χ^2/NDF: 15361.9/46

All: -33.118+/-0.120 χ^2/NDF: 30034.6/96

- sign -33.348+/-0.170 χ^2/NDF: 14669.0/49

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.995+/-0.413 χ^2/NDF: 6212.9/21

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 69.528+/-0.408 χ^2/NDF: 6164.0/26

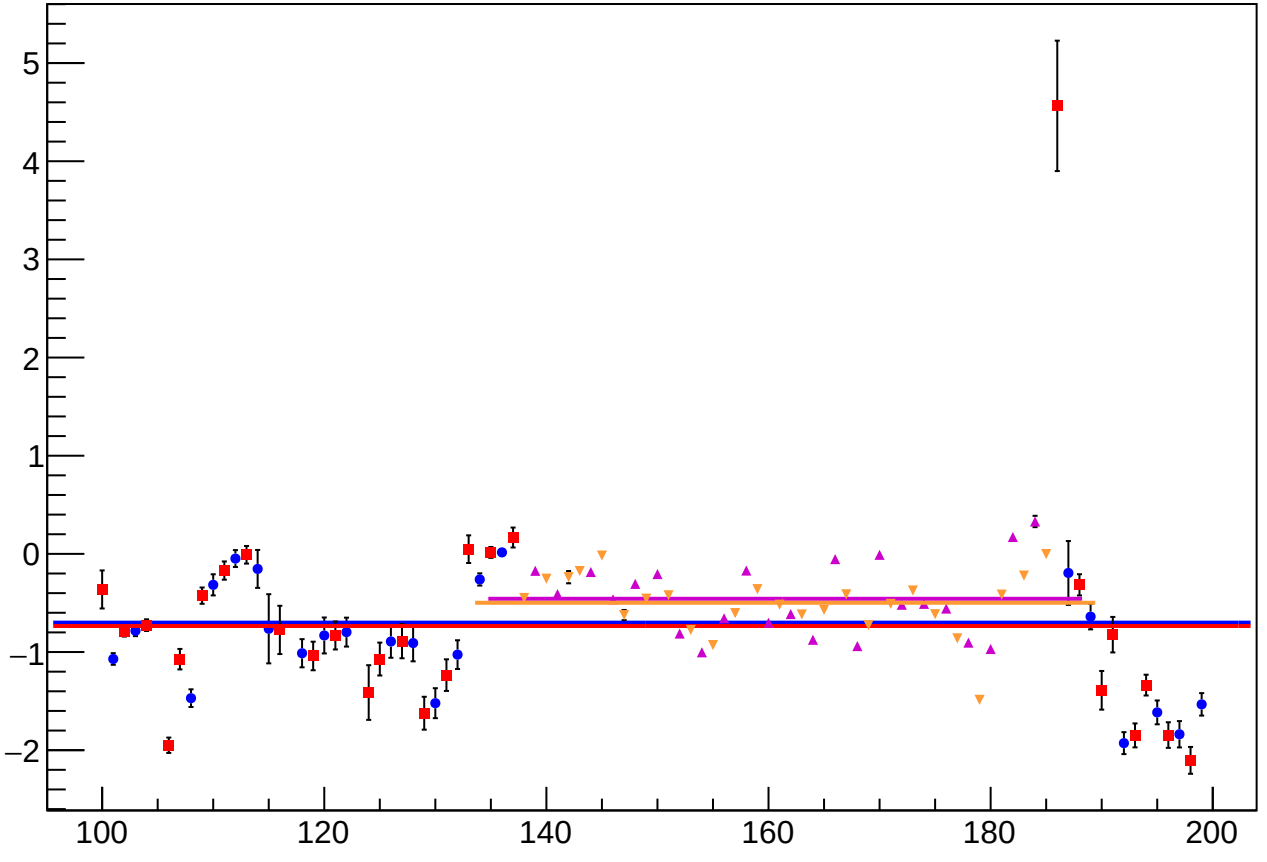
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.001+/-0.156 χ^2/NDF: 10265.3/46

All: 72.452+/-0.112 χ^2/NDF: 19406.4/96

- sign 71.878+/-0.160 χ^2/NDF: 9115.8/49

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.701+/-0.021 χ^2/NDF: 836.0/21

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.735+/-0.020 χ^2/NDF: 1096.7/26

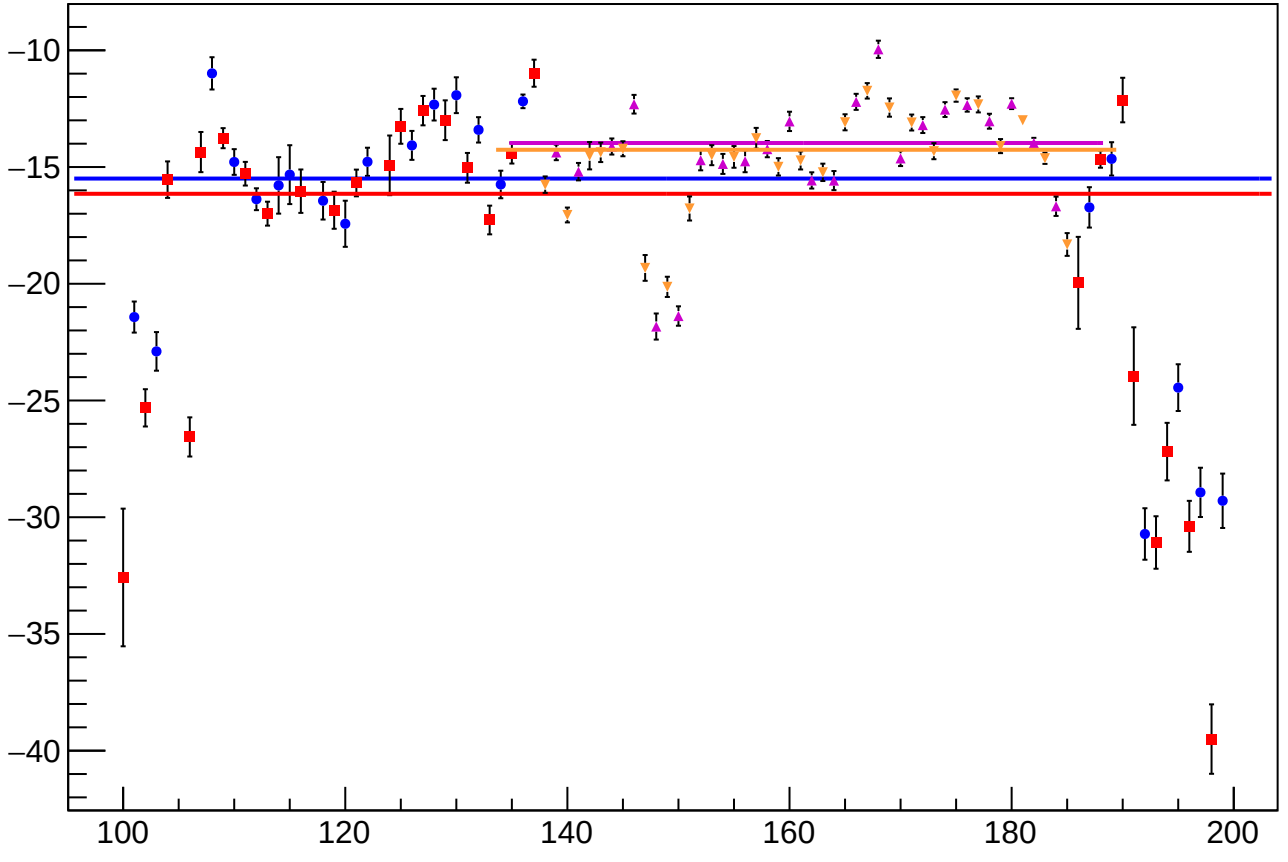
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.522+/-0.007 χ^2/NDF: 2404.6/46

All: -0.507+/-0.005 χ^2/NDF: 5777.4/96

- sign -0.492+/-0.007 χ^2/NDF: 3364.1/49

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.494+/-0.139 χ^2/NDF: 982.7/21

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.146+/-0.133 χ^2/NDF: 1248.0/26

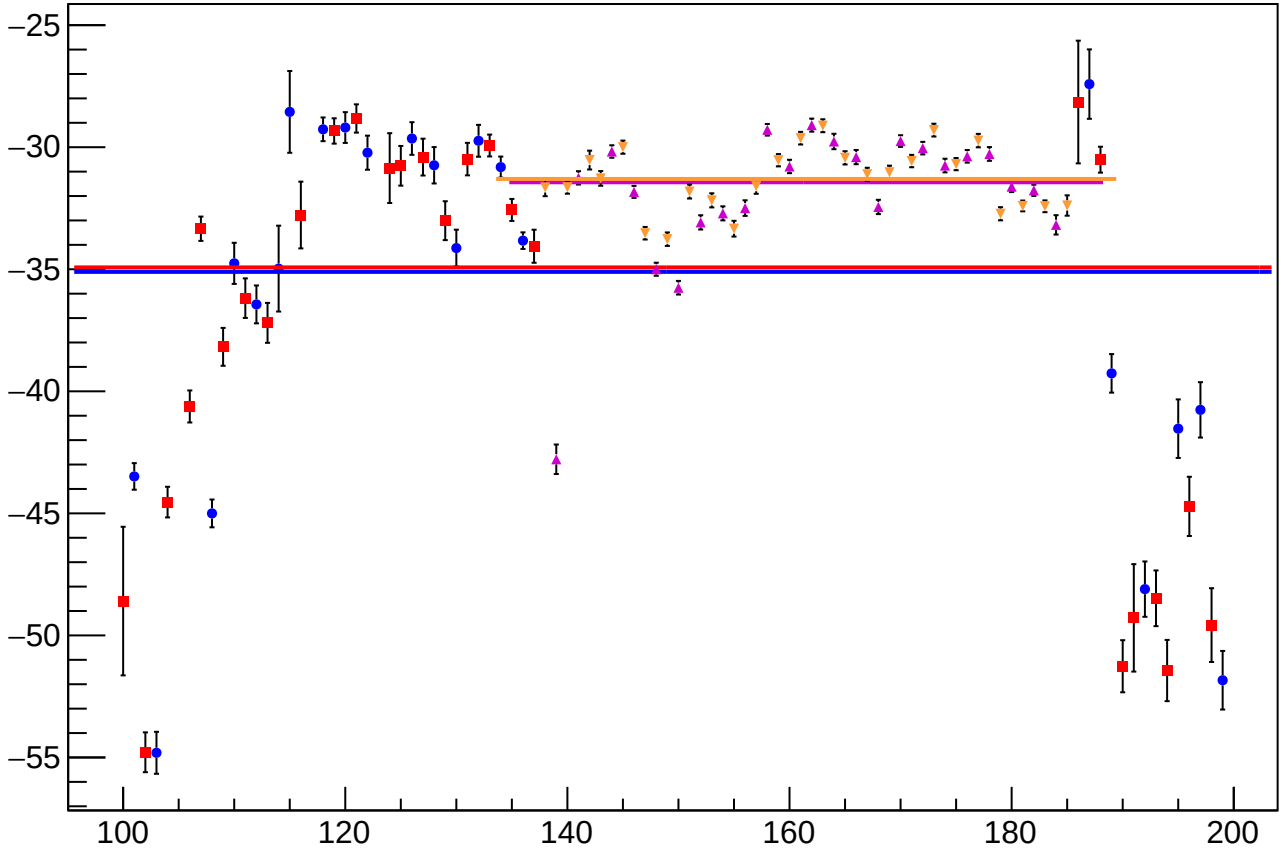
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.507+/-0.062 χ^2/NDF: 1769.3/46

All: -14.484+/-0.044 χ^2/NDF: 4131.5/96

- sign -14.460+/-0.063 χ^2/NDF: 2361.9/49

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -35.106+/-0.145 χ^2/NDF: 2083.0/21

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.924+/-0.142 χ^2/NDF: 2290.3/26

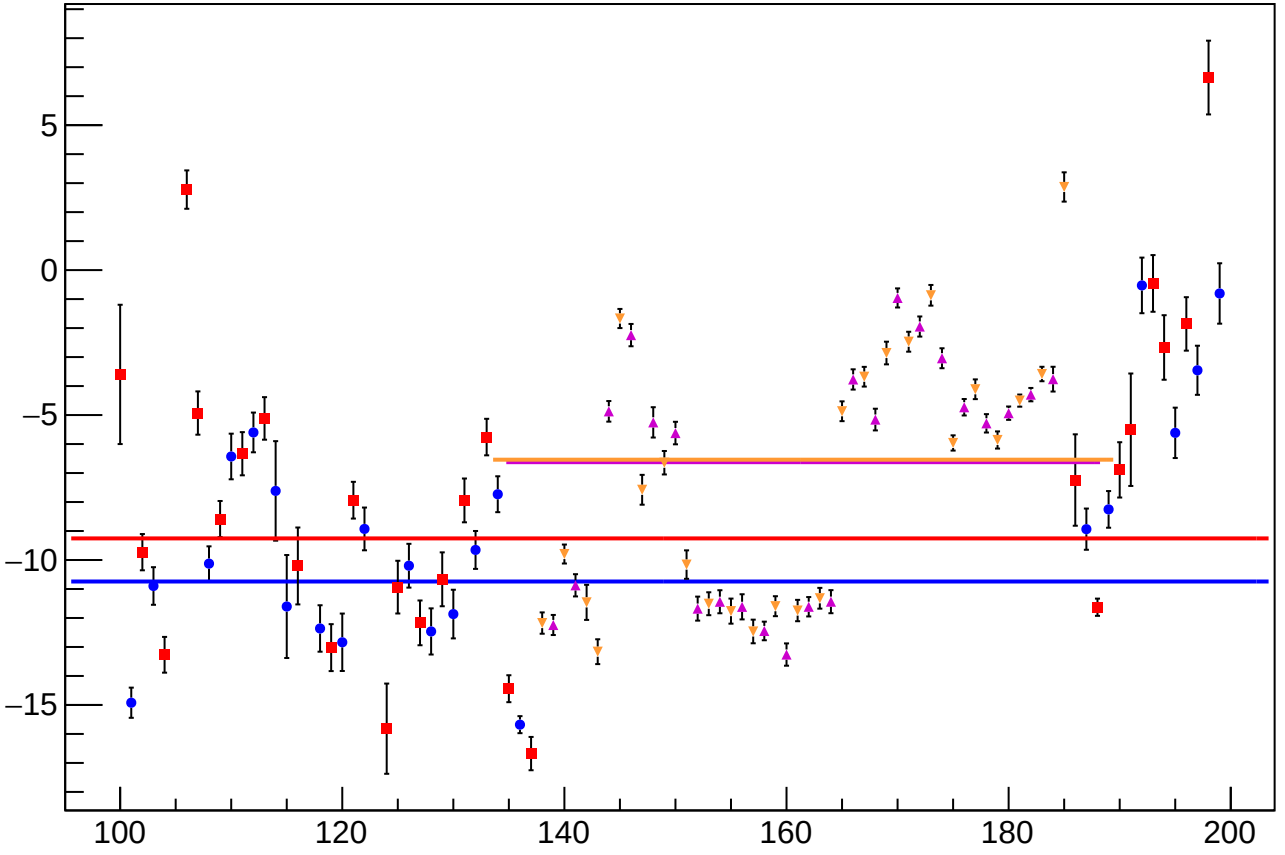
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.783+/-0.052 χ^2/NDF: 3238.3/46

All: -31.851+/-0.037 χ^2/NDF: 7264.3/96

- sign -31.923+/-0.053 χ^2/NDF: 4022.5/49

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.742+/-0.144 χ^2/NDF: 821.7/21

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.255+/-0.137 χ^2/NDF: 1262.0/26

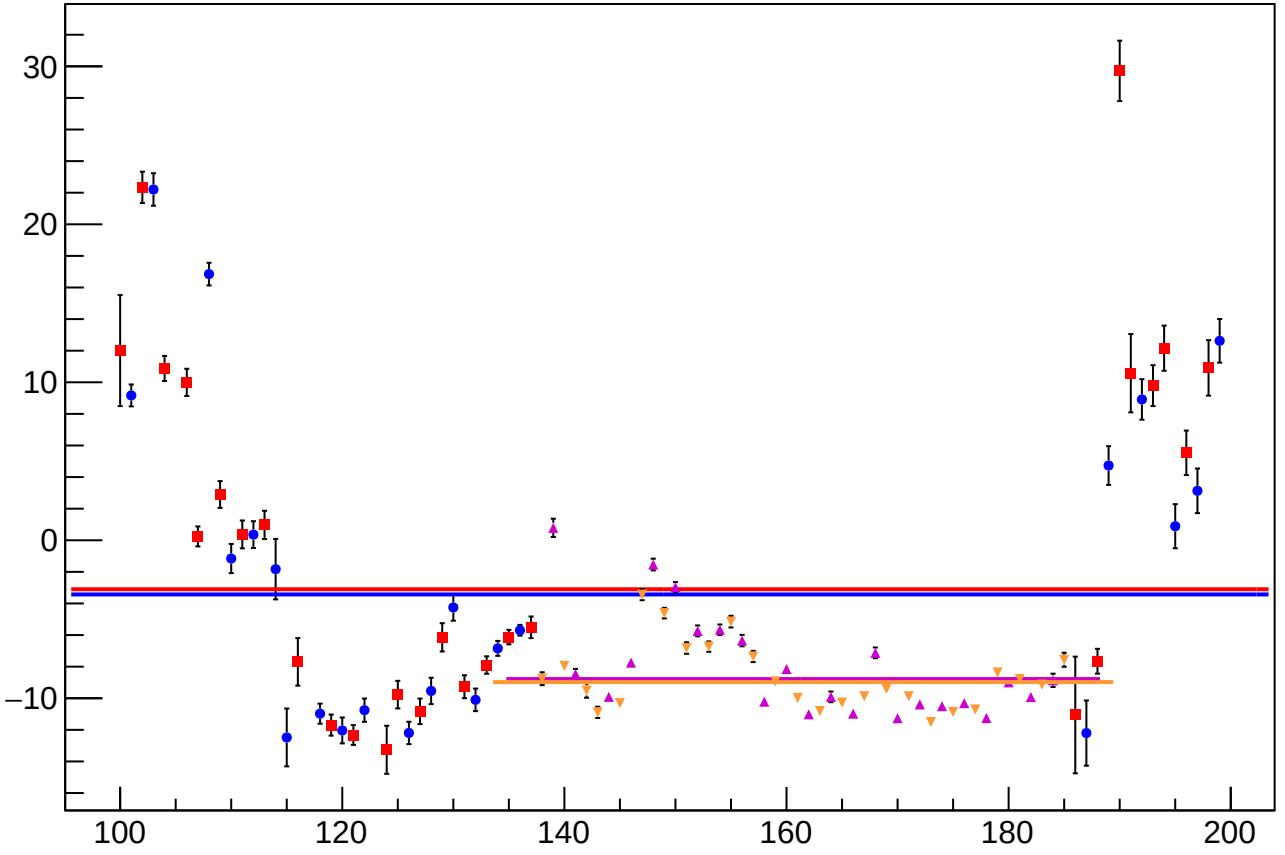
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.334+/-0.063 χ^2/NDF: 4754.3/46

All: -7.262+/-0.045 χ^2/NDF: 9217.2/96

- sign -7.188+/-0.063 χ^2/NDF: 4460.2/49

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.429+/-0.165 χ^2/NDF: 2864.7/21

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -3.101+/-0.166 χ^2/NDF: 2810.8/26

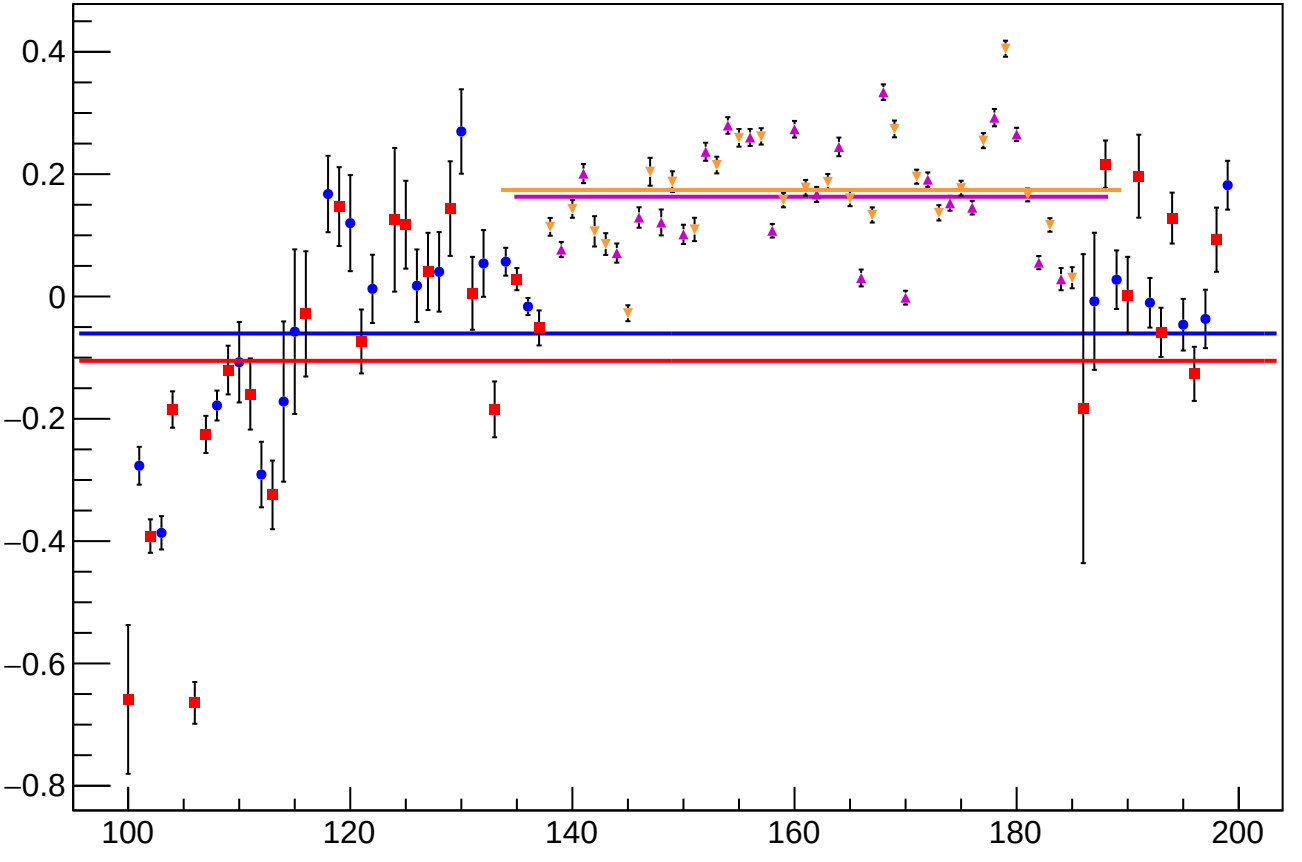
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.299+/-0.058 χ^2/NDF: 4832.9/46

All: -8.183+/-0.041 χ^2/NDF: 10361.0/96

- sign -8.061+/-0.059 χ^2/NDF: 5519.7/49

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060+/-0.008 χ^2/NDF: 365.5/21

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.105+/-0.008 χ^2/NDF: 687.3/26

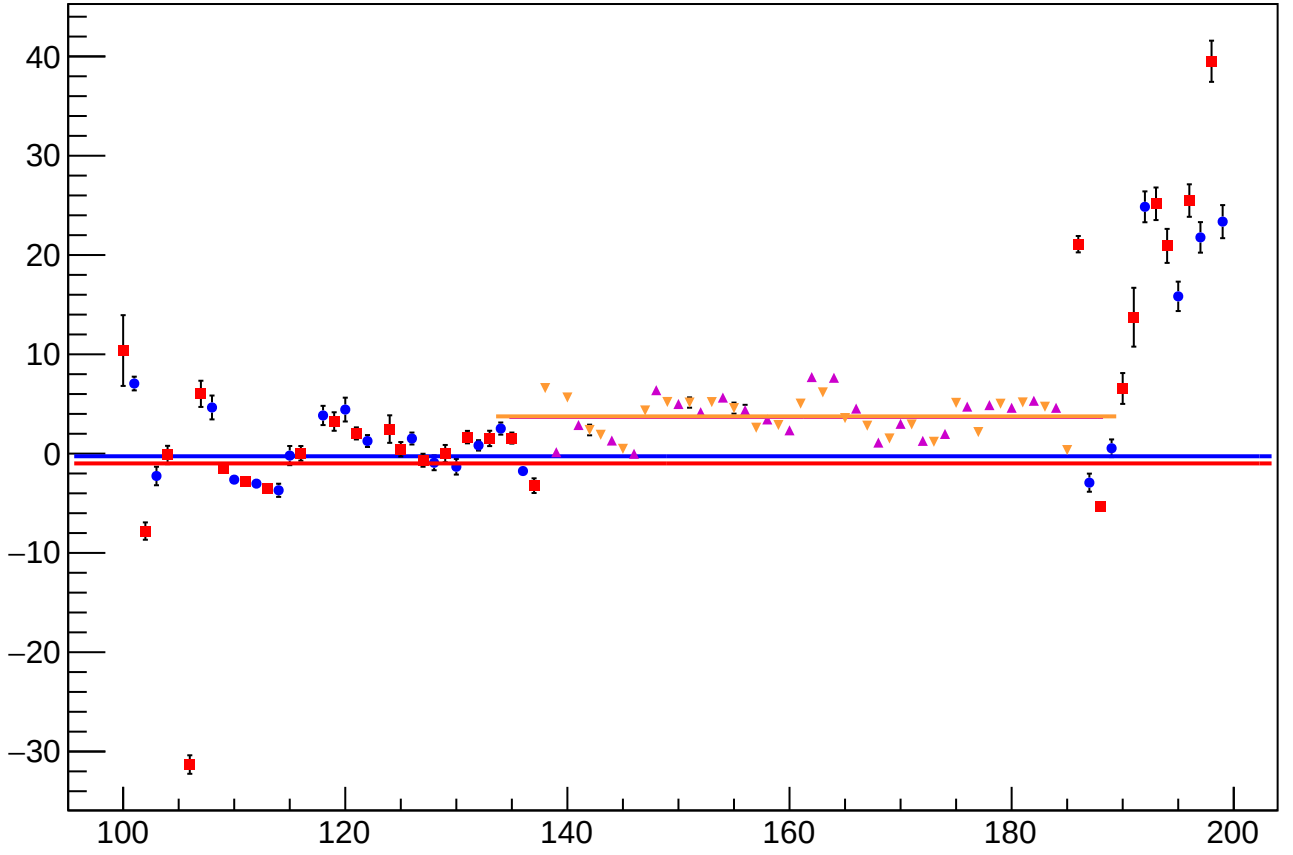
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2092.0/46

All: 0.142+/-0.002 χ^2/NDF: 4978.6/96

- sign 0.135+/-0.003 χ^2/NDF: 2872.0/49

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.266+/-0.132 χ^2/NDF: 1196.2/21

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

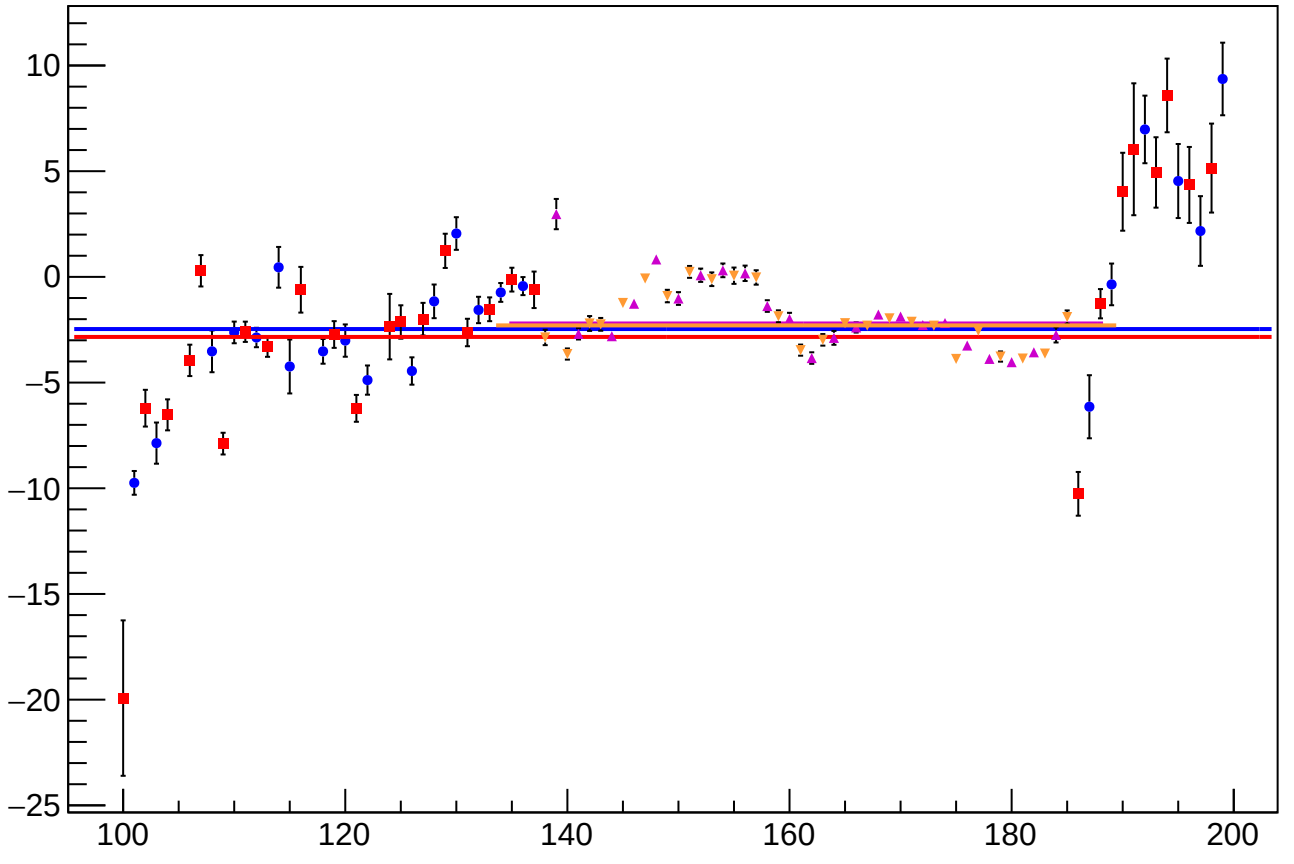
Right Out: -0.987+/-0.121 χ^2/NDF: 3286.2/26

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.021+/-0.056 χ^2/NDF: 2768.0/46

All: 2.847+/-0.040 χ^2/NDF: 8192.3/96

- sign 2.670+/-0.057 χ^2/NDF: 5404.9/49



Right In: -2.468+/-0.151 χ^2/NDF: 430.6/21

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.841+/-0.149 χ^2/NDF: 448.7/26

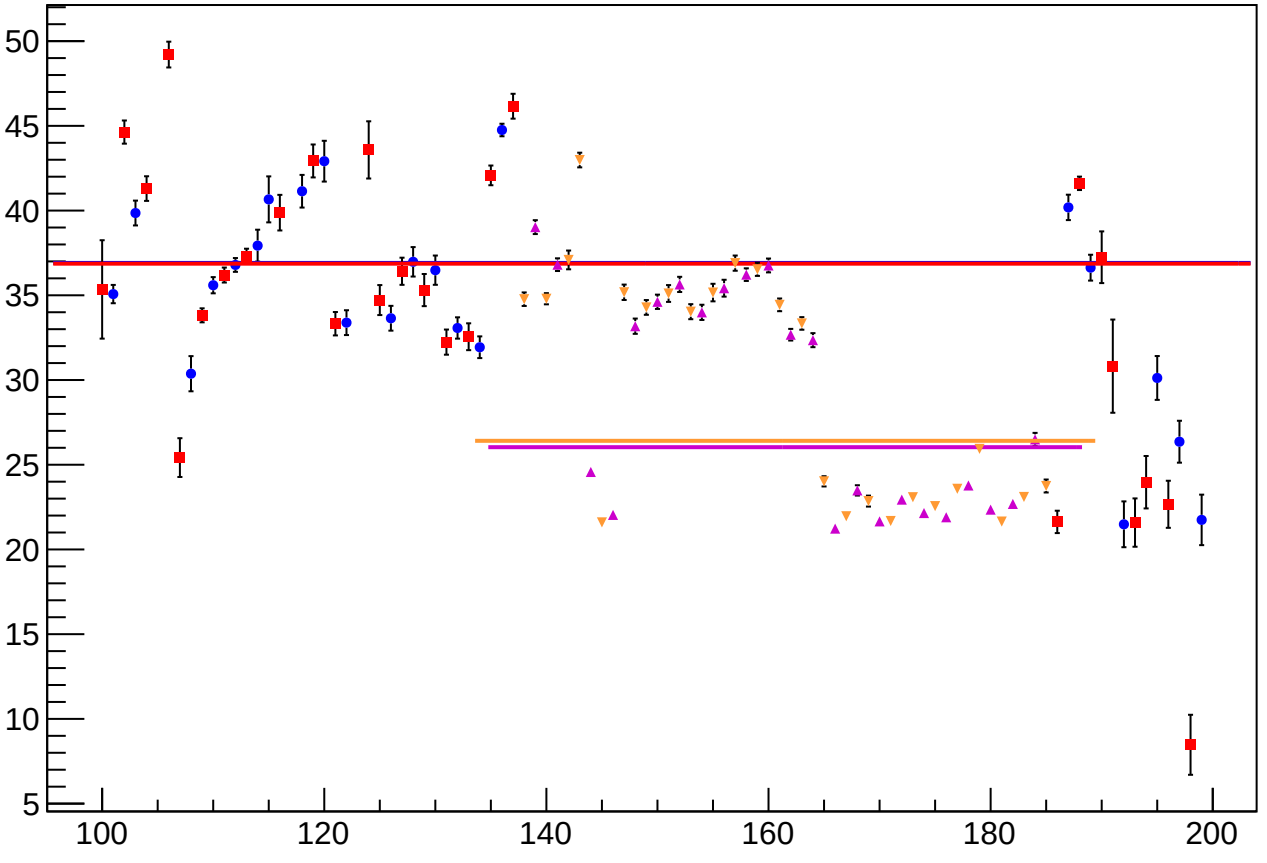
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.311+/-0.047 χ^2/NDF: 1063.3/46

All: -2.291+/-0.034 χ^2/NDF: 2253.3/96

- sign -2.270+/-0.048 χ^2/NDF: 1189.7/49

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.910+/-0.150 χ^2/NDF: 1071.5/21

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.867+/-0.141 χ^2/NDF: 2221.8/26

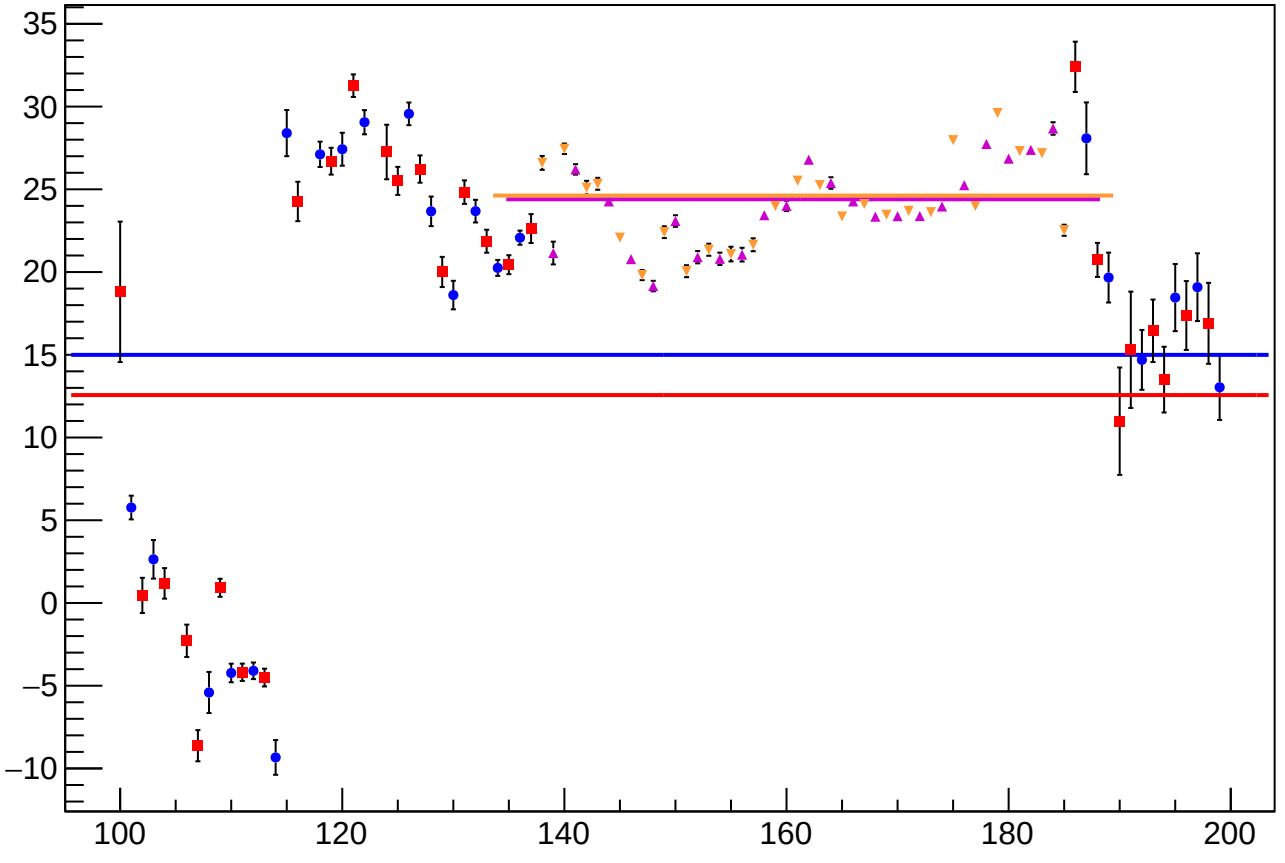
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.955+/-0.058 χ^2/NDF: 14473.4/46

All: 27.919+/-0.041 χ^2/NDF: 29437.5/96

- sign 27.881+/-0.058 χ^2/NDF: 14963.3/49

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.995+/-0.170 χ^2/NDF: 5741.4/21

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.566+/-0.170 χ^2/NDF: 6364.6/26

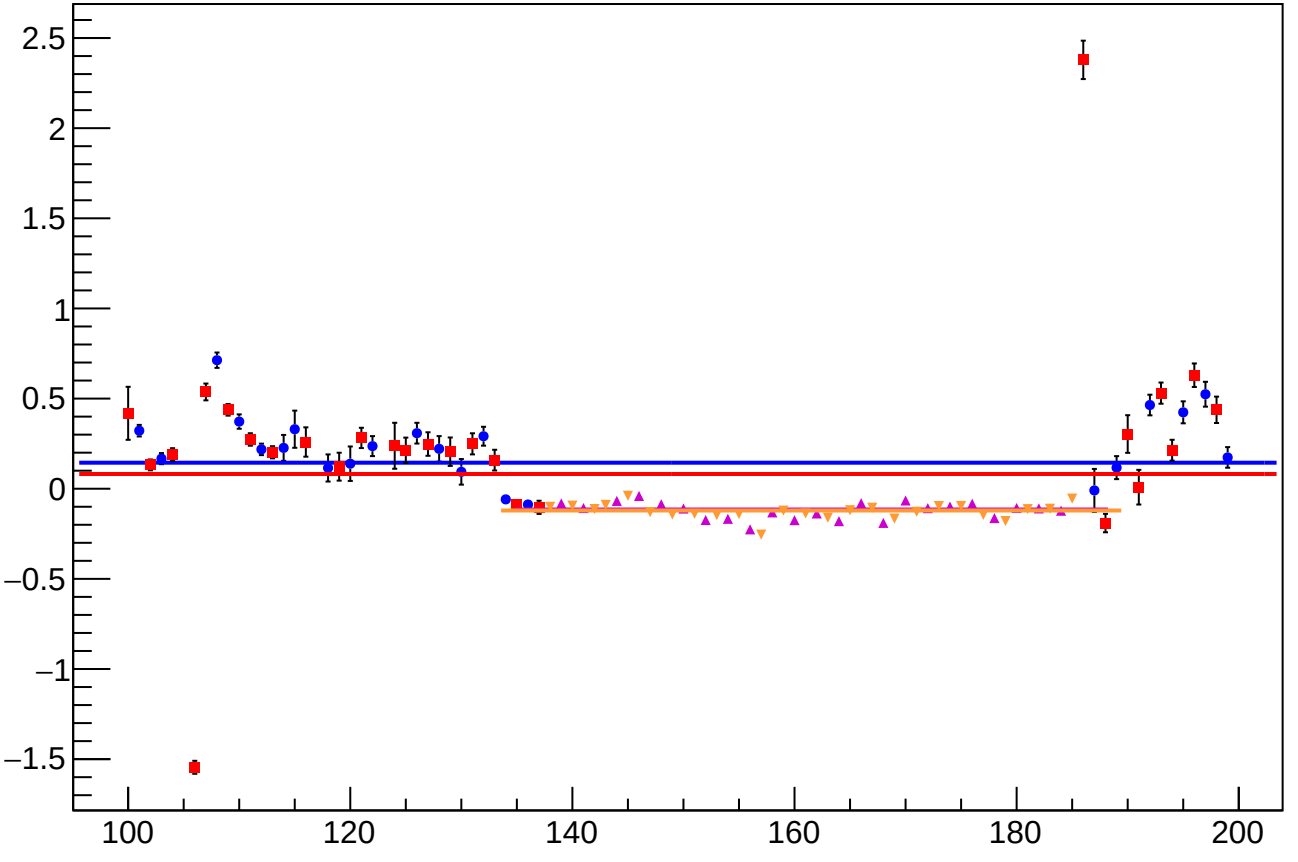
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.703+/-0.052 χ^2/NDF: 10607.5/46

All: 23.469+/-0.037 χ^2/NDF: 23075.4/96

- 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: 610.0/21

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.082+/-0.009 χ^2/NDF: 3092.8/26

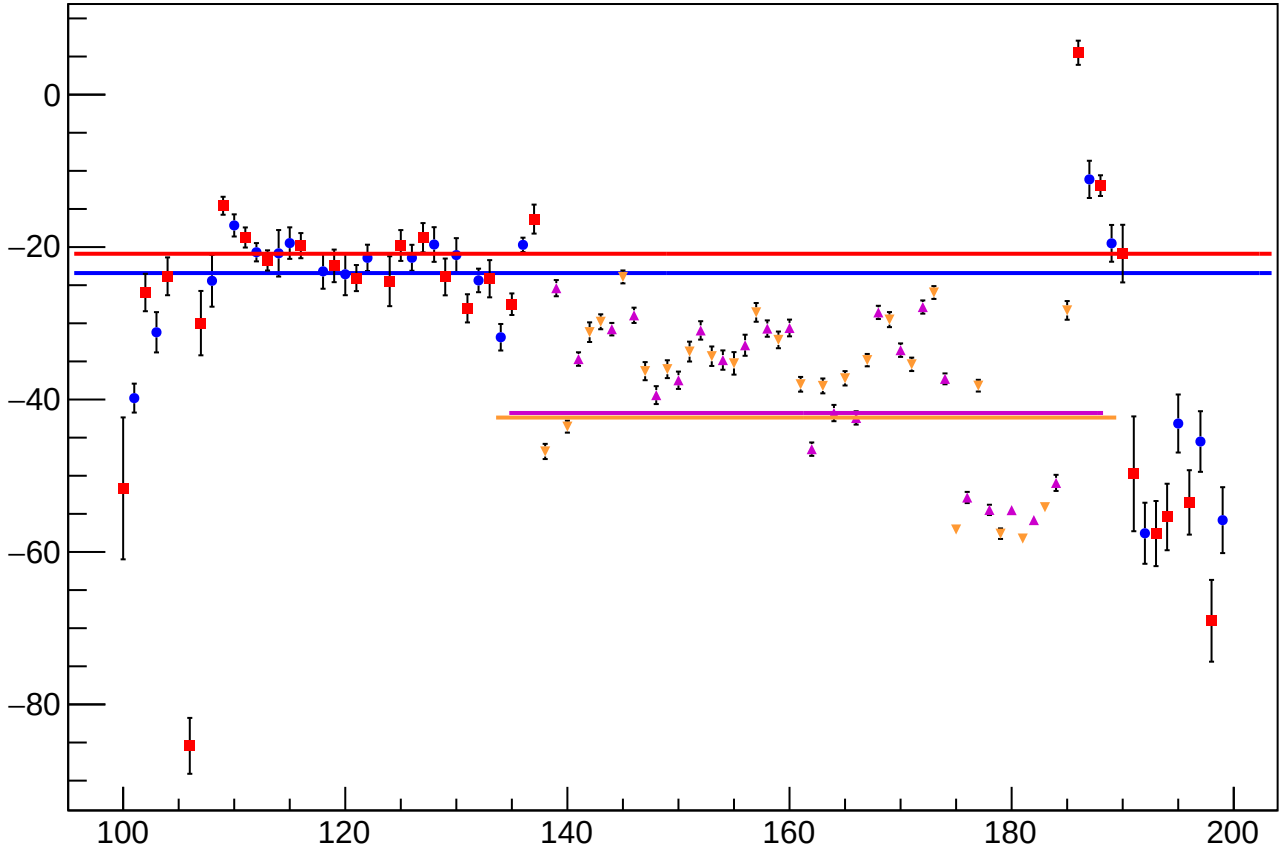
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.102+/-0.002 χ^2/NDF: 1702.1/46

All: -0.102+/-0.002 χ^2/NDF: 5523.3/96

\- sign -0.101+/-0.002 χ^2/NDF: 3821.2/49

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -23.409+/-0.412 χ^2/NDF: 371.8/21

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -20.876+/-0.392 χ^2/NDF: 1027.4/26

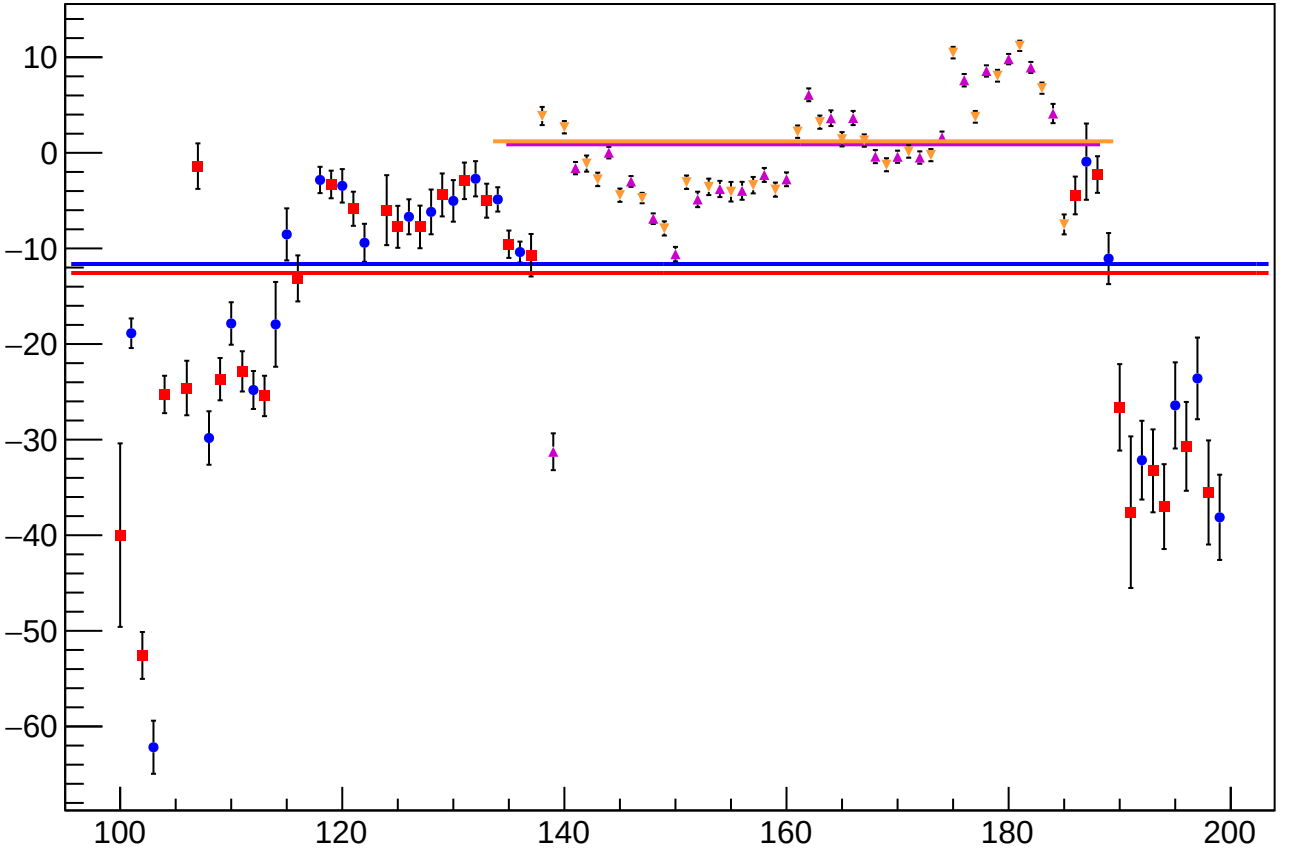
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.466+/-0.161 χ^2/NDF: 6639.9/46

All: -38.784+/-0.115 χ^2/NDF: 13499.5/96

- sign -38.070+/-0.165 χ^2/NDF: 6823.0/49

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -11.630+/-0.435 χ^2/NDF: 675.4/21

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

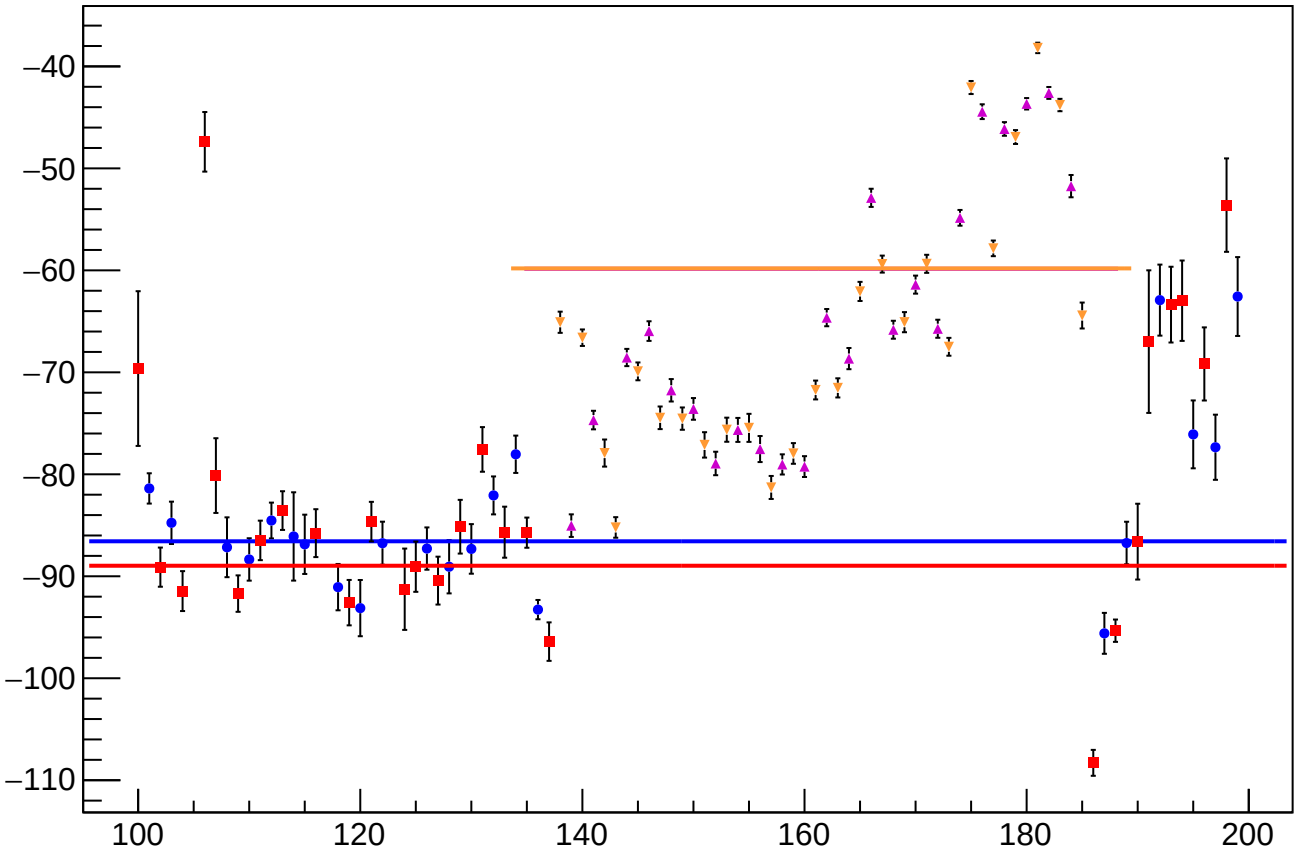
Right Out: -12.569+/-0.443 χ^2/NDF: 723.8/26

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.028+/-0.132 χ^2/NDF: 2929.3/46

All: -0.170+/-0.095 χ^2/NDF: 6257.7/96

- sign -0.380+/-0.136 χ^2/NDF: 3323.8/49



Right In: -86.569+/-0.441 χ^2/NDF: 226.6/21

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.967+/-0.418 χ^2/NDF: 746.5/26

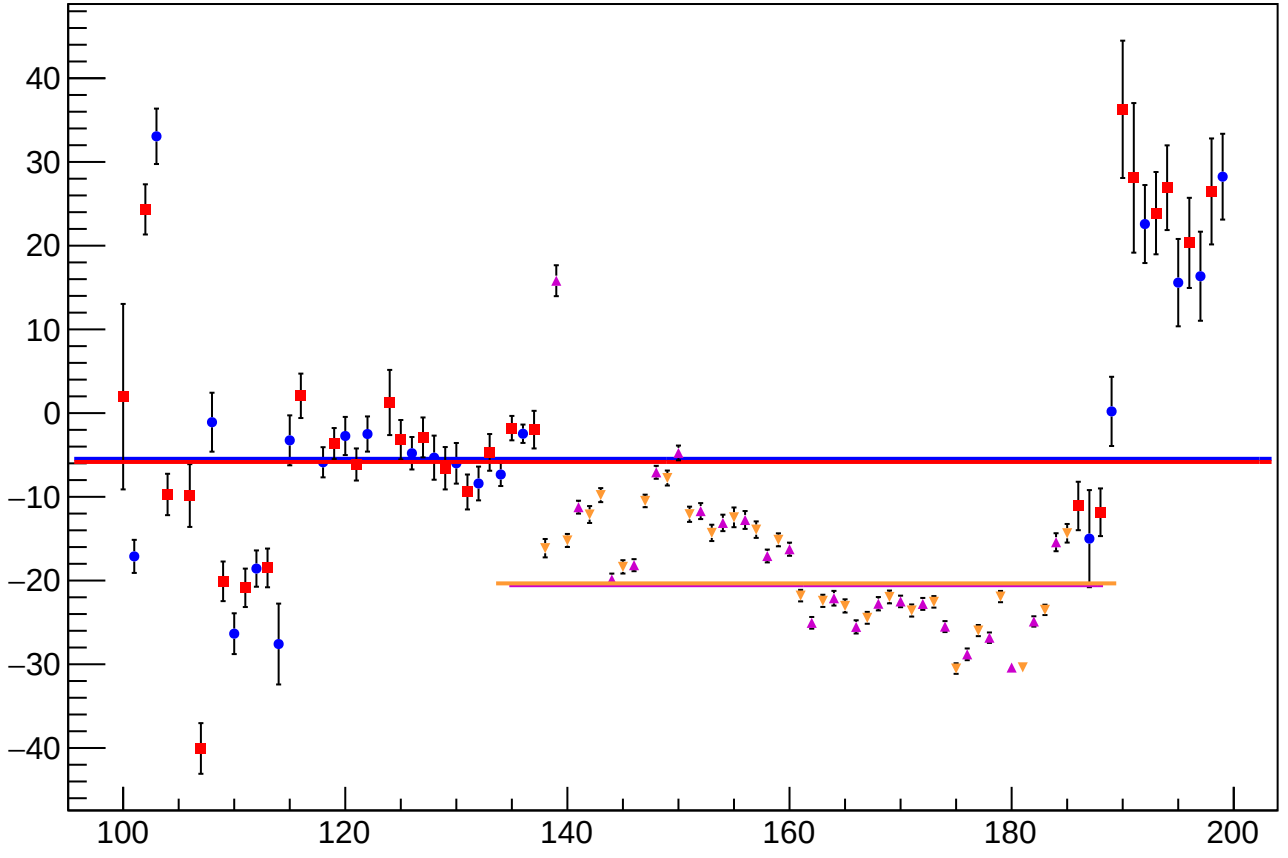
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.463+/-0.163 χ^2/NDF: 10053.4/46

All: -63.942+/-0.116 χ^2/NDF: 20433.2/96

- sign -64.441+/-0.166 χ^2/NDF: 10362.1/49

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -5.460+/-0.493 χ^2/NDF: 435.6/21

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -5.834+/-0.512 χ^2/NDF: 549.5/26

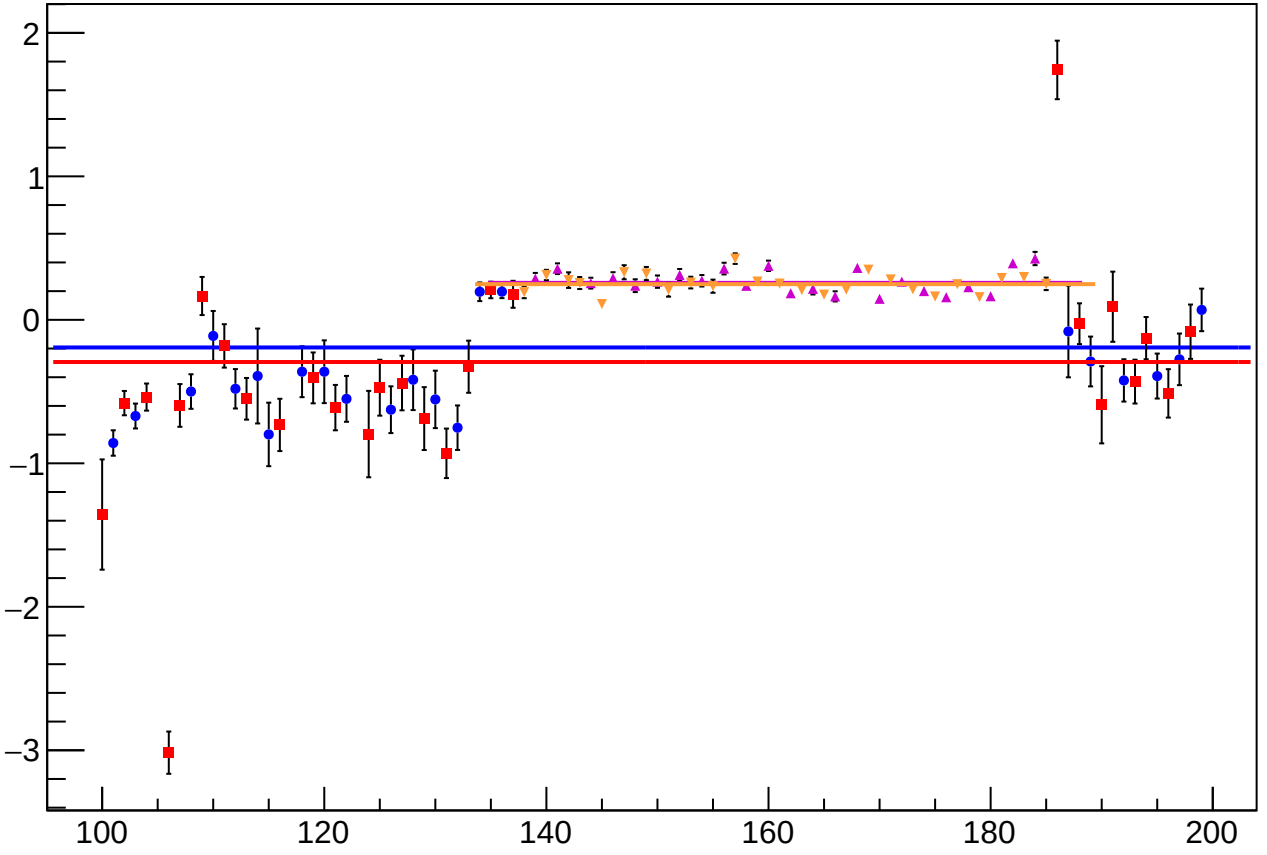
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.005+/-0.147 χ^2/NDF: 2967.2/46

All: -19.124+/-0.106 χ^2/NDF: 6465.9/96

- sign -19.251+/-0.152 χ^2/NDF: 3497.4/49

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.193+/-0.025 χ^2/NDF: 255.2/21

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.294+/-0.027 χ^2/NDF: 631.9/26

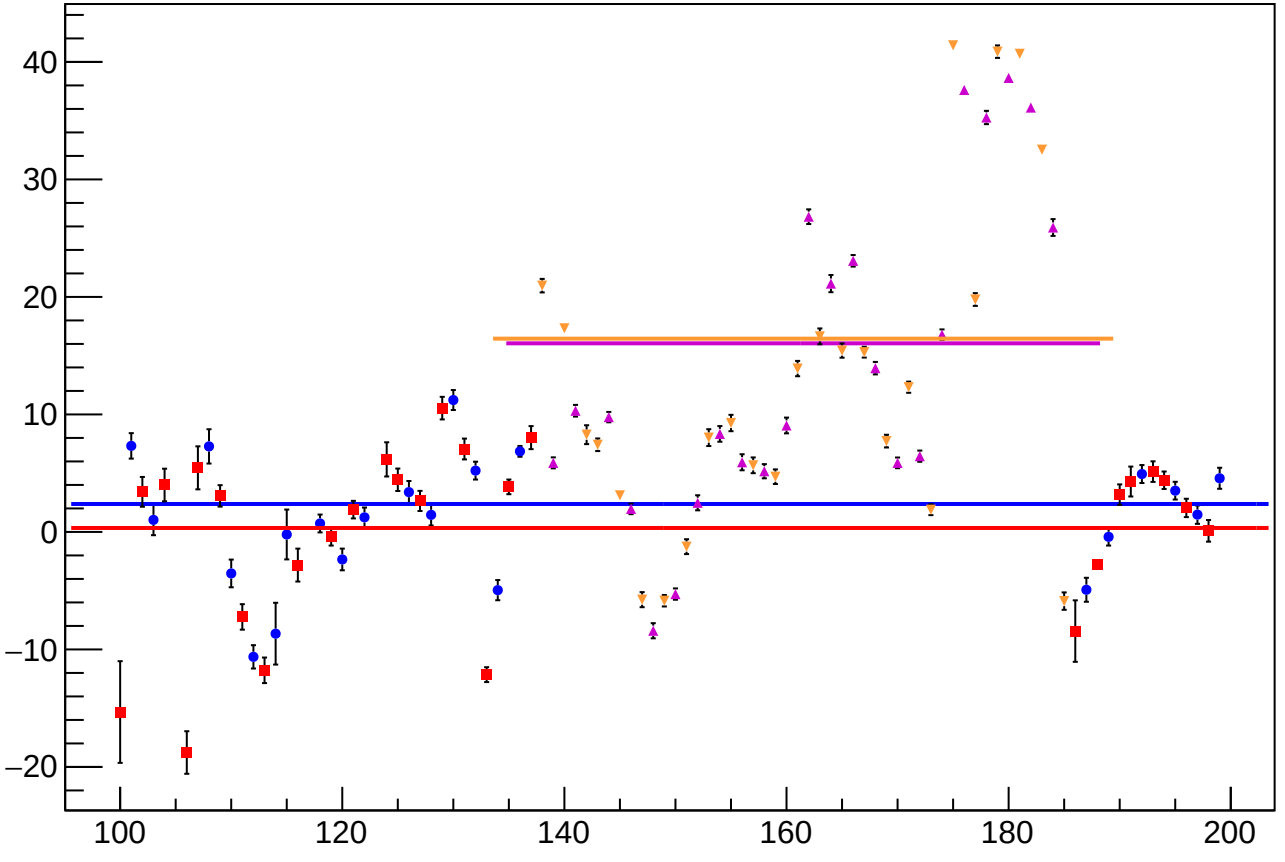
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.217+/-0.007 χ^2/NDF: 637.8/46

All: 0.219+/-0.005 χ^2/NDF: 1807.0/96

- sign 0.221+/-0.007 χ^2/NDF: 1169.1/49

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.379+/-0.186 χ^2/NDF: 660.2/21

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.338+/-0.168 χ^2/NDF: 1194.4/26

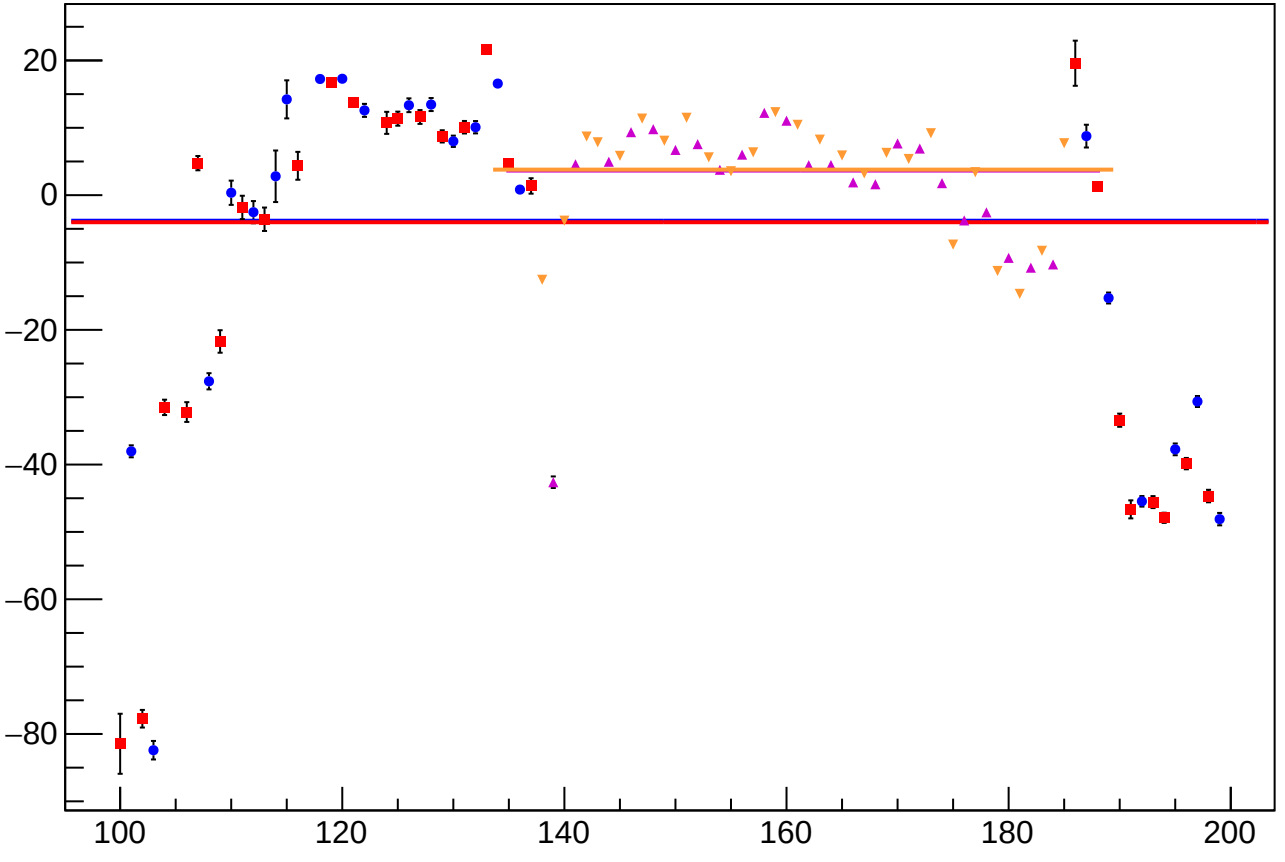
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.086+/-0.091 χ^2/NDF: 26434.1/46

All: 12.296+/-0.064 χ^2/NDF: 51610.0/96

- sign 11.510+/-0.090 χ^2/NDF: 25024.5/49

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -3.797+/-0.182 χ^2/NDF: 18979.6/21

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -4.017+/-0.173 χ^2/NDF: 22717.8/26

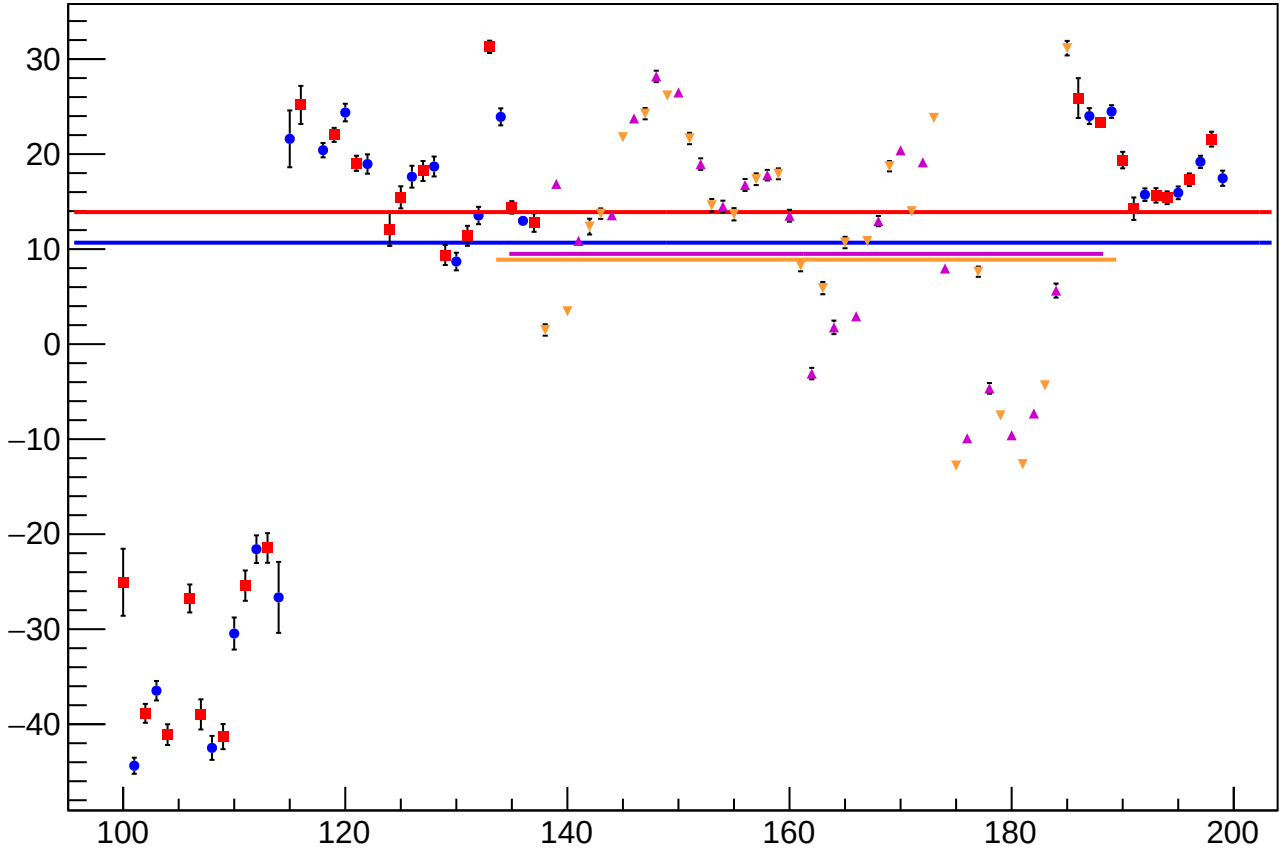
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 2.559+/-0.073 χ^2/NDF: 29536.6/46

All: 2.389+/-0.052 χ^2/NDF: 62177.0/96

- sign 2.211+/-0.075 χ^2/NDF: 32629.3/49

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 10.677+/-0.183 χ^2/NDF: 11158.6/21

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

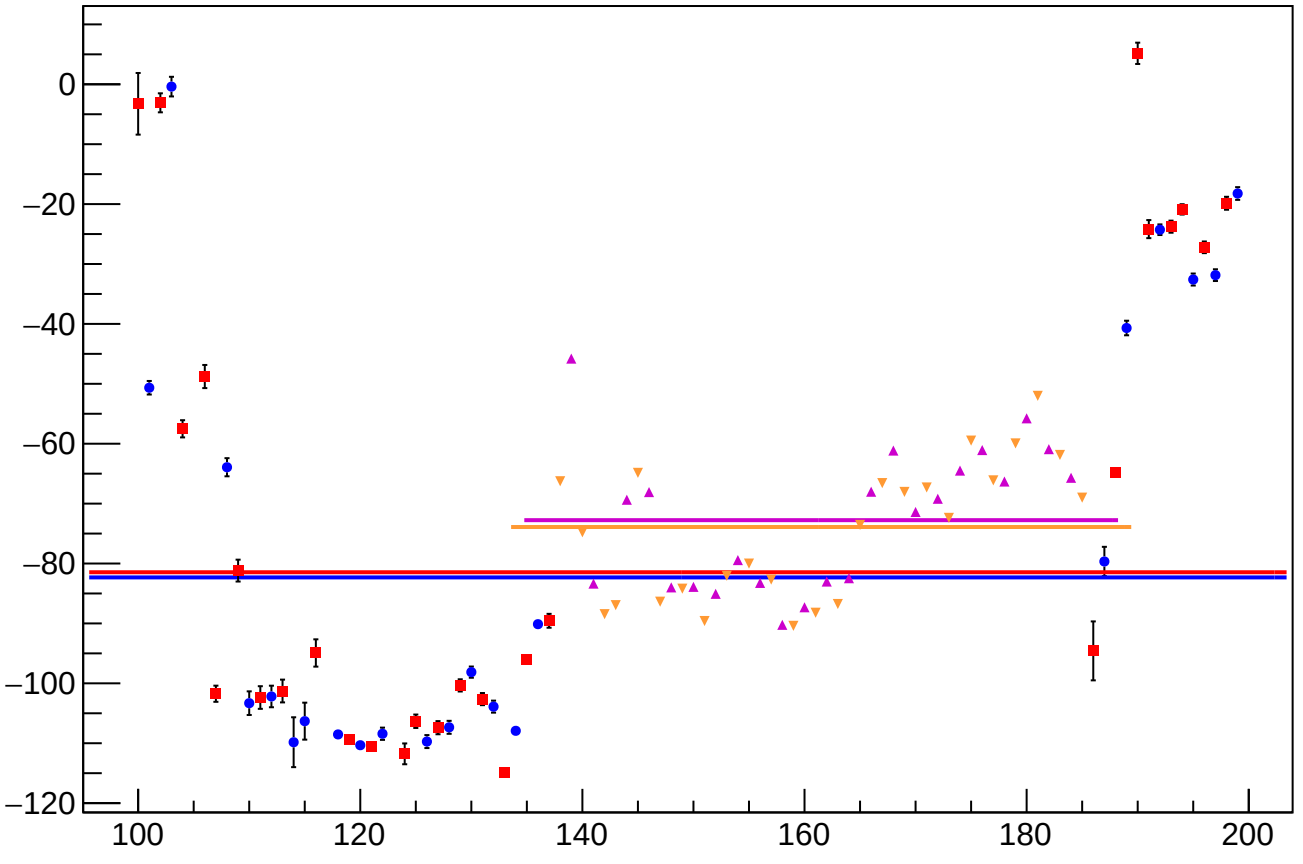
Right Out: 13.896+/-0.162 χ^2/NDF: 12332.9/26

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 9.326+/-0.090 χ^2/NDF: 26658.8/46

All: 10.089+/-0.063 χ^2/NDF: 52688.9/96

- sign 10.830+/-0.089 χ^2/NDF: 25889.2/49



Right In: -82.320+/-0.212 χ^2/NDF: 25343.6/21

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -81.458+/-0.205 χ^2/NDF: 32131.0/26

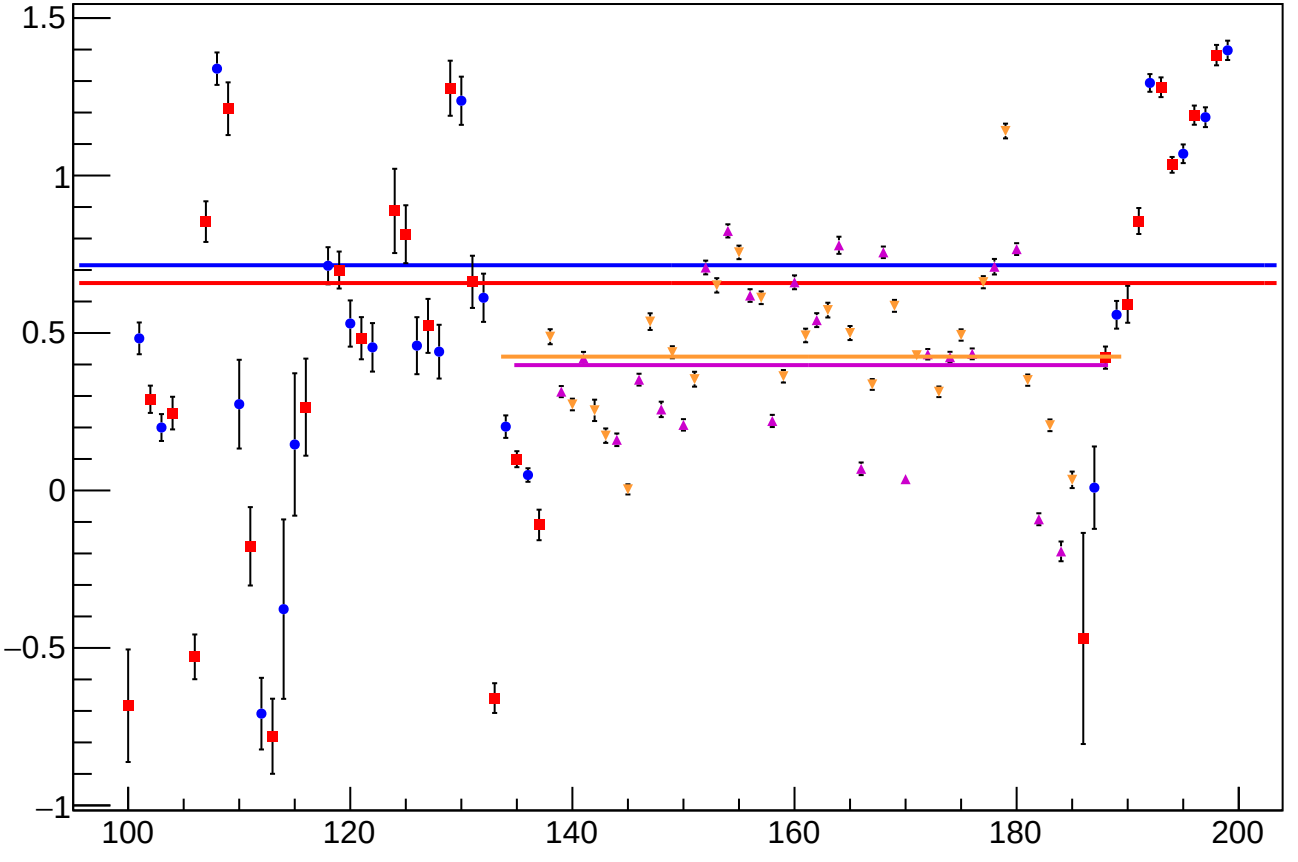
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -75.198+/-0.083 χ^2/NDF: 42238.1/46

All: -74.737+/-0.059 χ^2/NDF: 88536.6/96

- sign -74.258+/-0.085 χ^2/NDF: 46236.1/49

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.715+/-0.010 χ^2/NDF: 3078.7/21

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.659+/-0.009 χ^2/NDF: 3805.4/26

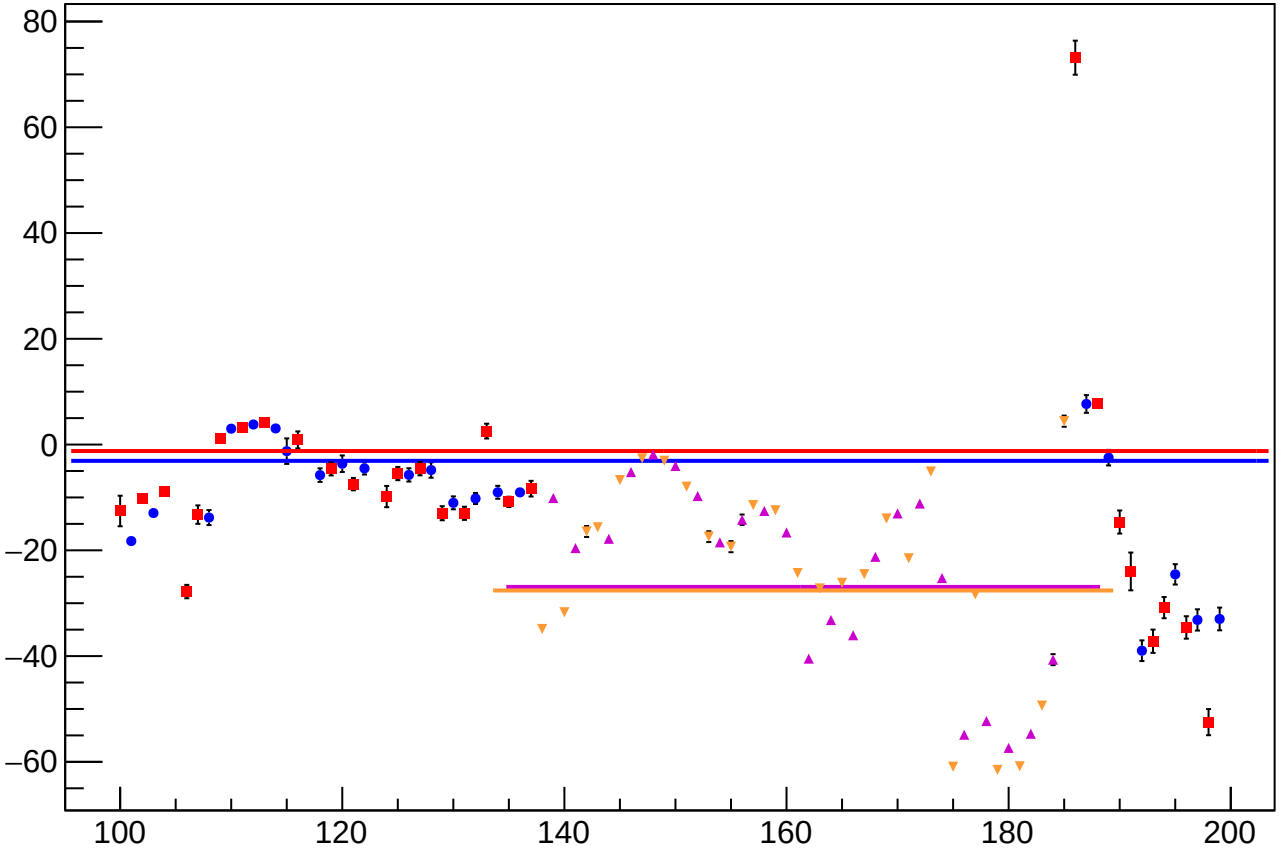
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.468+/-0.004 χ^2/NDF: 6881.8/46

All: 0.455+/-0.003 χ^2/NDF: 15640.8/96

- sign 0.441+/-0.004 χ^2/NDF: 8731.9/49

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.080+/-0.186 χ^2/NDF: 2433.8/21

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.222+/-0.164 χ^2/NDF: 3380.9/26

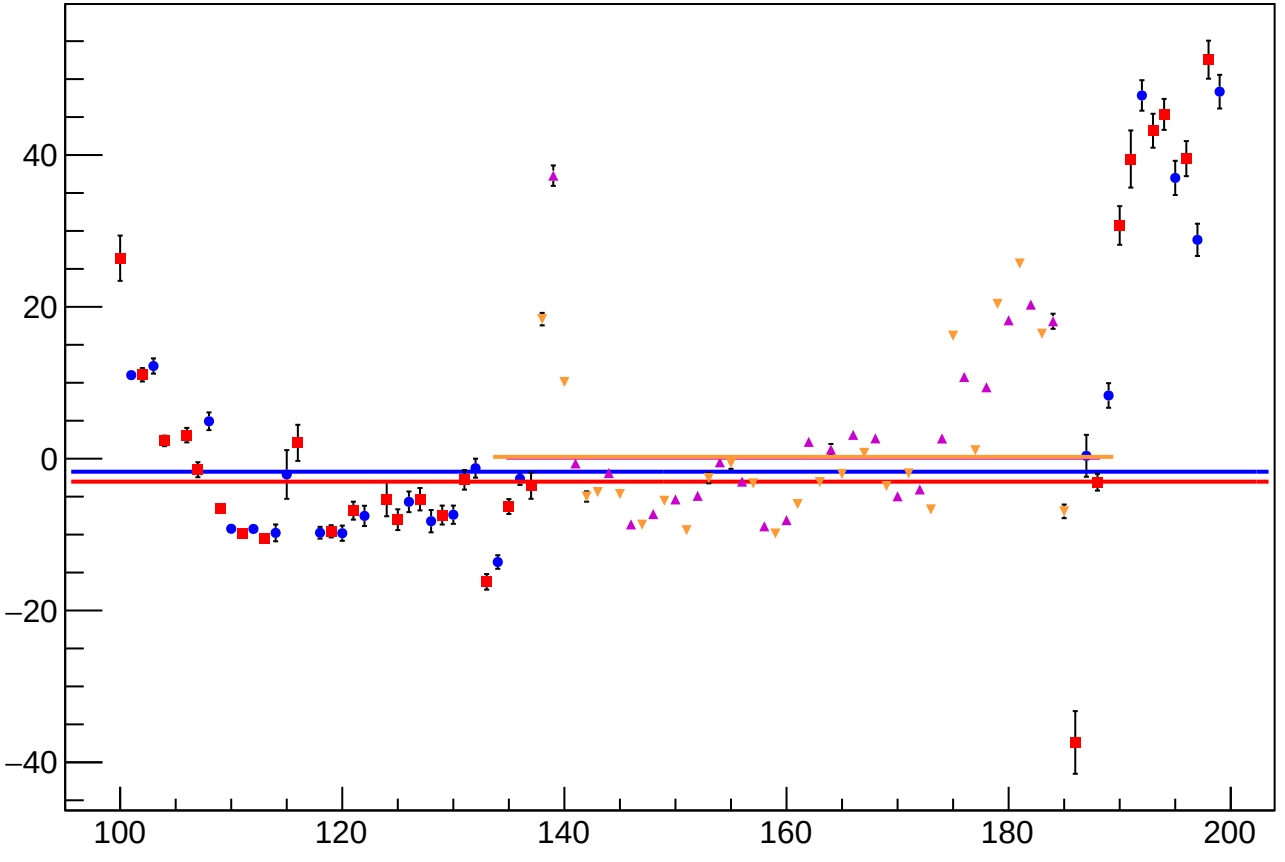
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

\+ sign -18.375+/-0.114 χ^2/NDF: 33047.2/46

All: -16.761+/-0.079 χ^2/NDF: 65817.9/96

\- sign -15.251+/-0.110 χ^2/NDF: 32382.7/49

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -1.717+/-0.218 χ^2/NDF: 3168.2/21

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

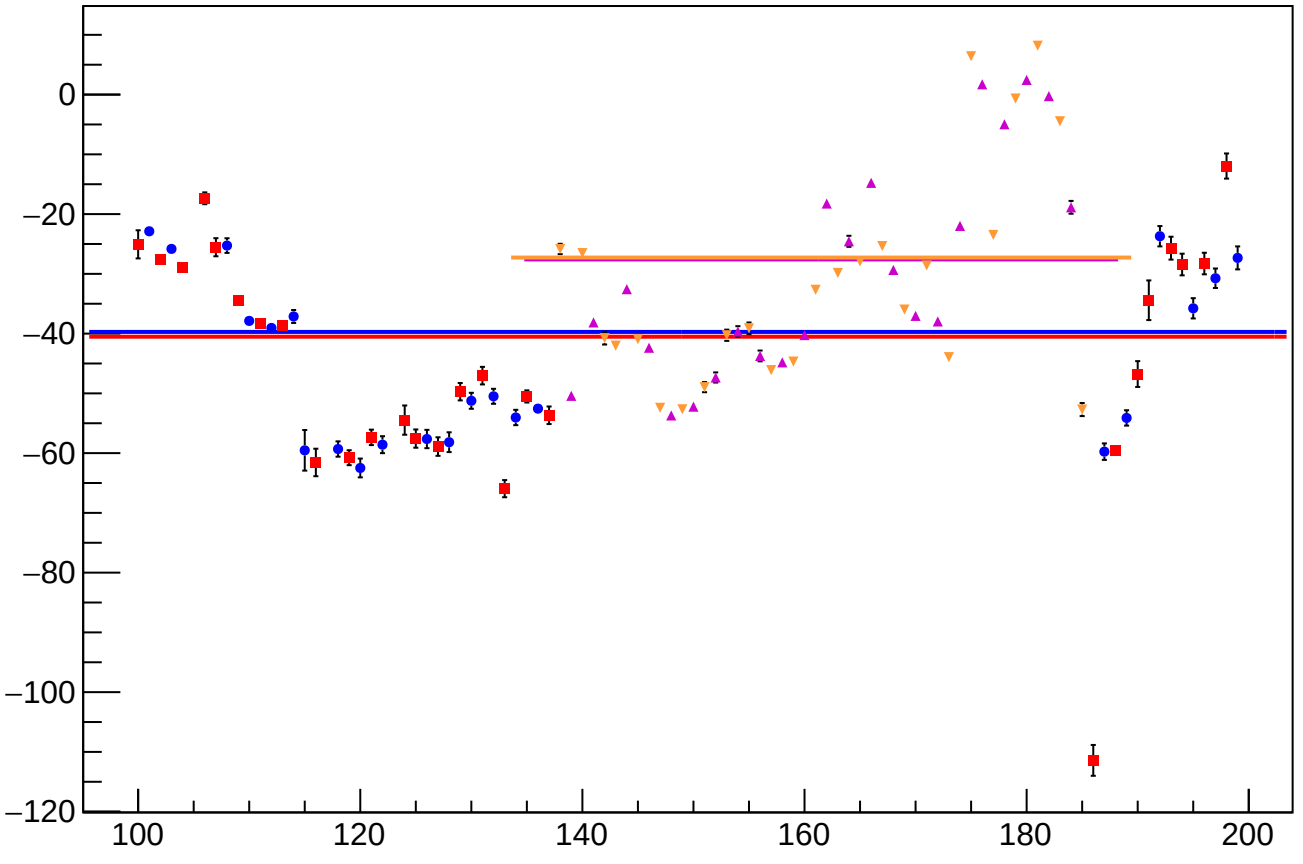
Right Out: -3.028+/-0.209 χ^2/NDF: 3267.4/26

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.160+/-0.098 χ^2/NDF: 11267.8/46

All: -0.373+/-0.070 χ^2/NDF: 20557.4/96

- sign -0.595+/-0.100 χ^2/NDF: 9280.0/49



Right In: -39.715+/-0.212 χ^2/NDF: 3462.1/21

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.516+/-0.195 χ^2/NDF: 4888.9/26

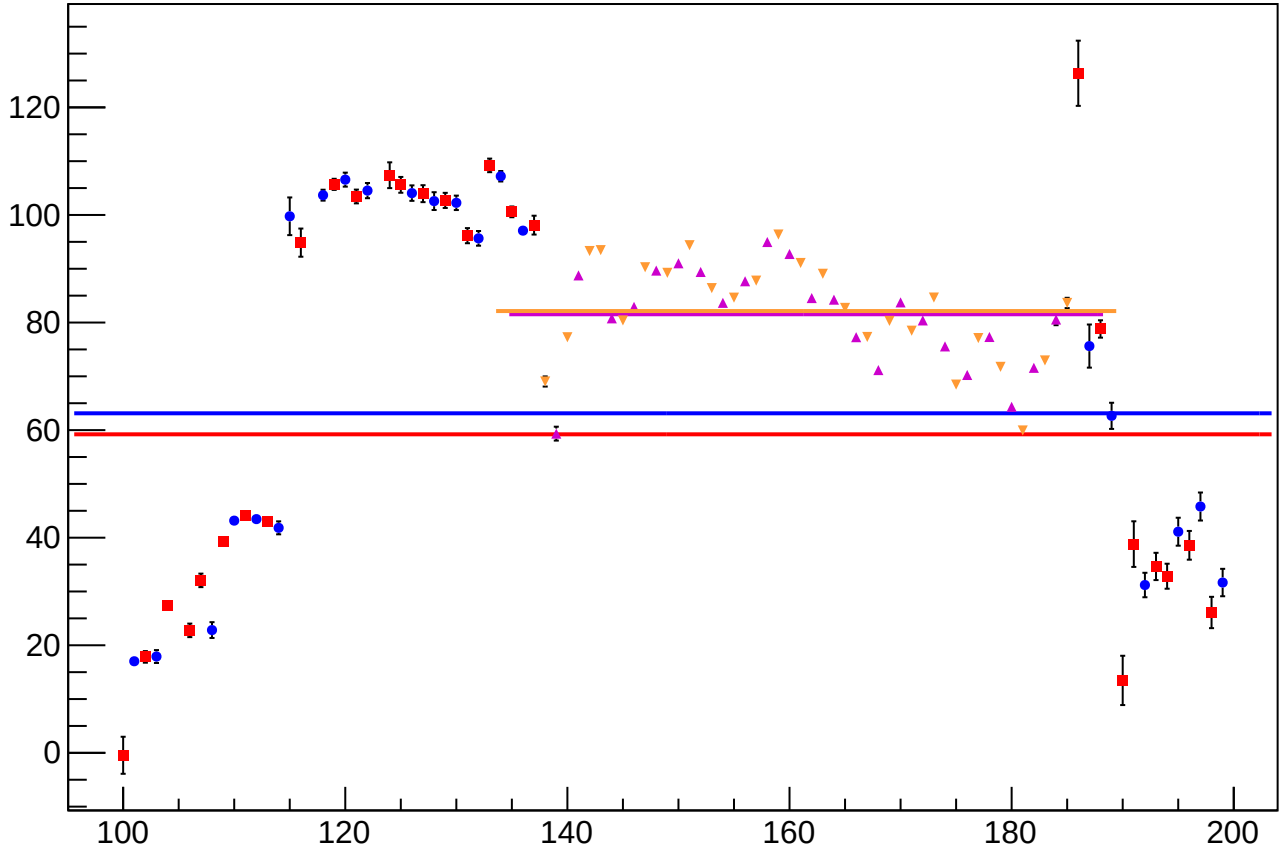
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.183+/-0.119 χ^2/NDF: 24340.4/46

All: -31.755+/-0.084 χ^2/NDF: 47710.4/96

- sign -32.316+/-0.118 χ^2/NDF: 23324.4/49

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 63.126+/-0.250 χ^2/NDF: 19089.0/21

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 59.219+/-0.241 χ^2/NDF: 18241.3/26

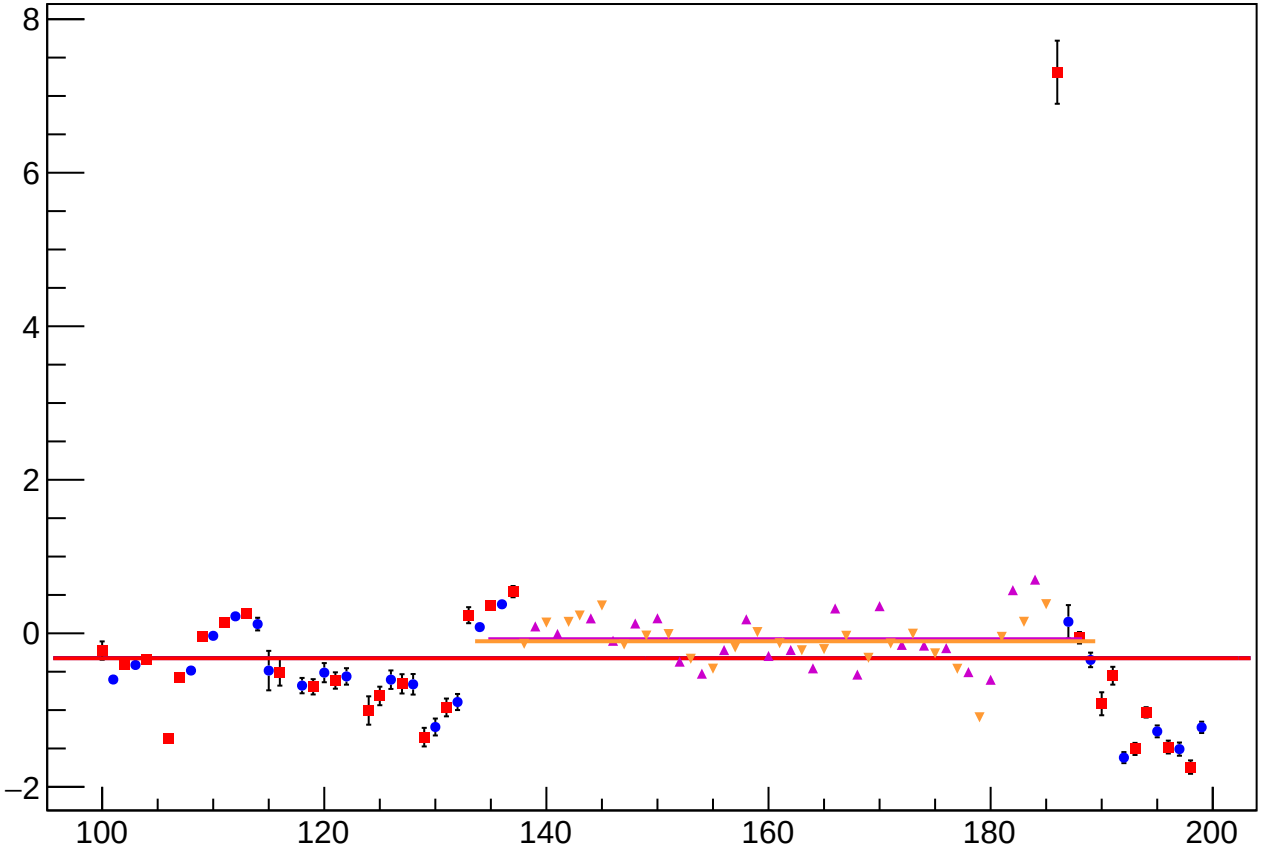
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.352+/-0.112 χ^2/NDF: 29082.9/46

All: 77.471+/-0.080 χ^2/NDF: 58179.8/96

- sign 76.558+/-0.114 χ^2/NDF: 28970.1/49

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.322+/-0.013 χ^2/NDF: 1835.6/21

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.325+/-0.012 χ^2/NDF: 2604.1/26

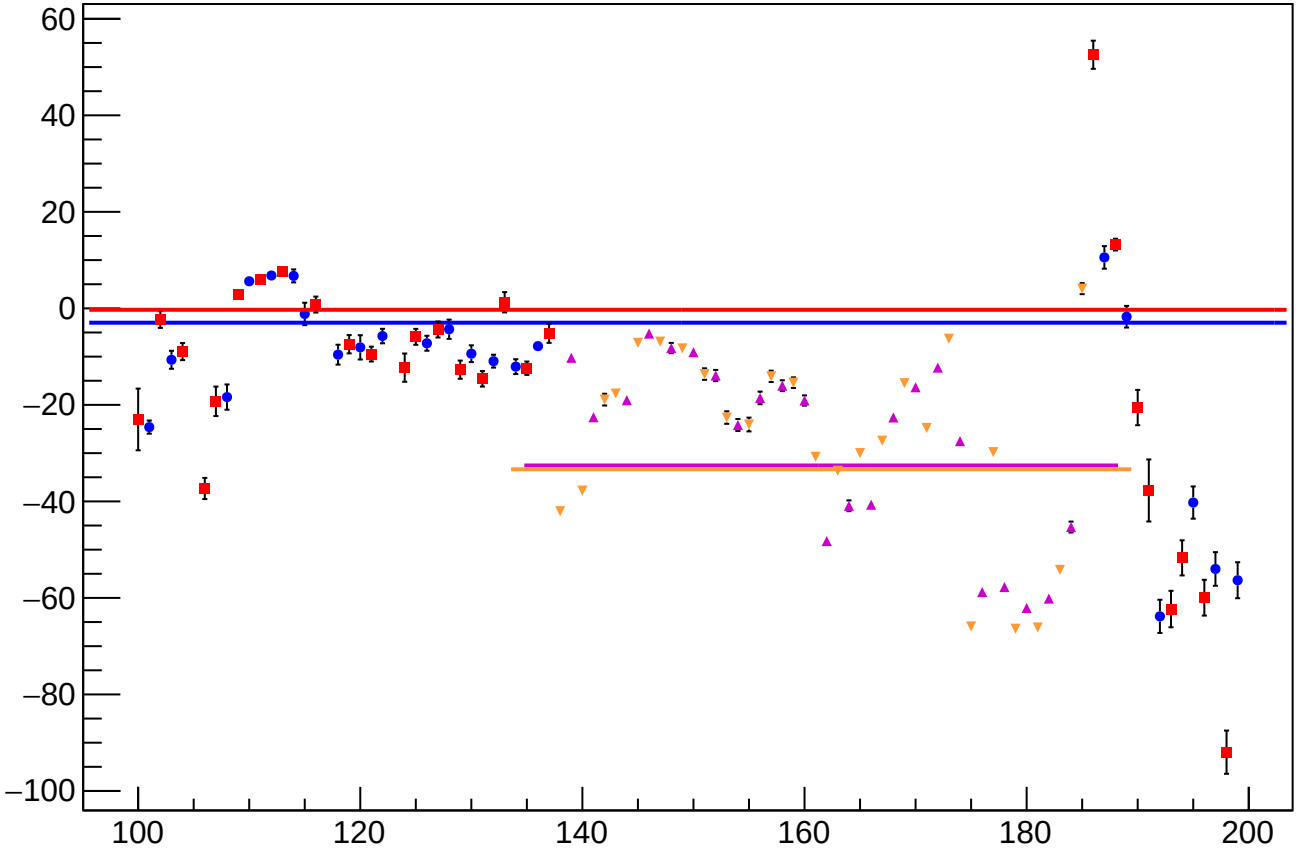
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.140+/-0.005 χ^2/NDF: 4498.5/46

All: -0.131+/-0.004 χ^2/NDF: 10774.8/96

- sign -0.123+/-0.005 χ^2/NDF: 6270.9/49

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -2.971+/-0.298 χ^2/NDF: 1809.0/21

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -0.295+/-0.270 χ^2/NDF: 2594.9/26

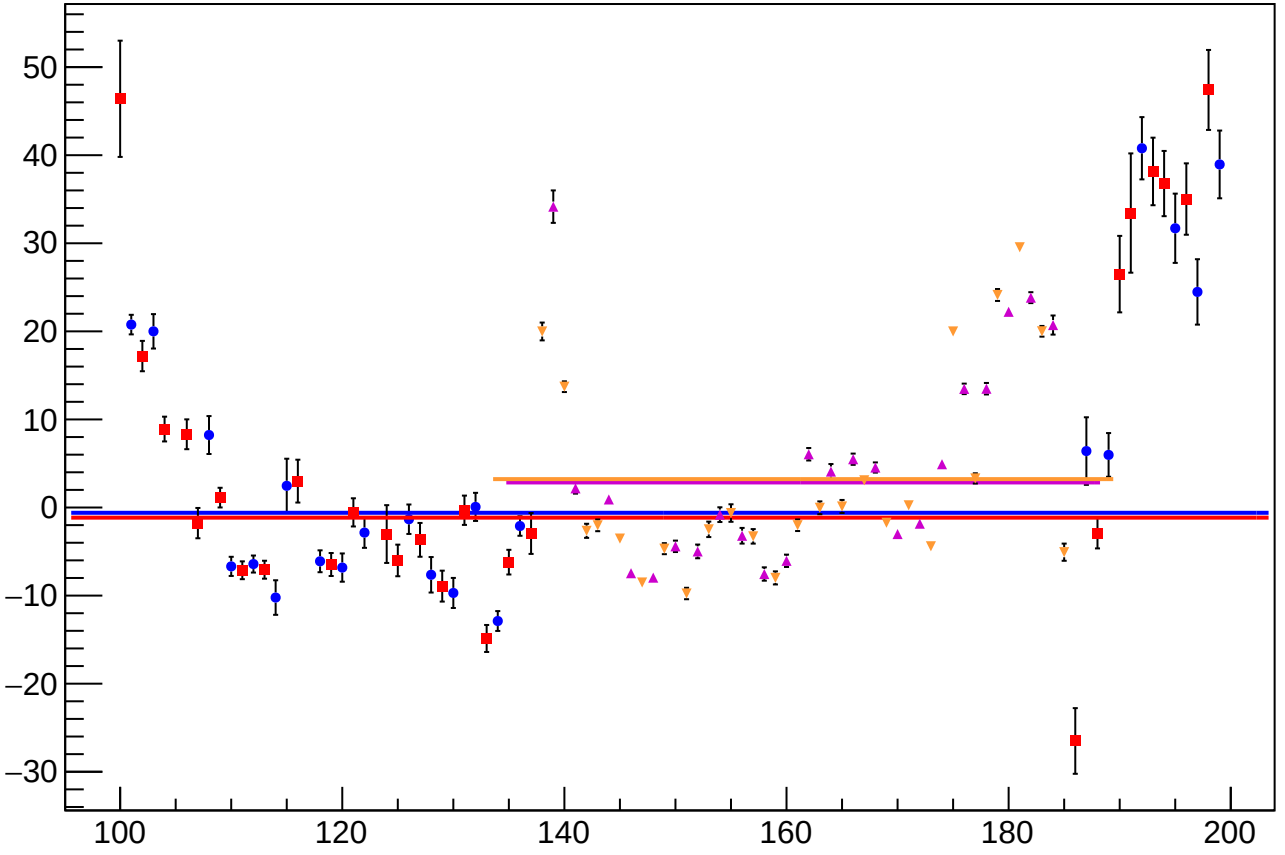
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.252+/-0.144 χ^2/NDF: 27751.1/46

All: -24.836+/-0.102 χ^2/NDF: 54692.0/96

- sign -23.432+/-0.143 χ^2/NDF: 26748.7/49

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -0.599+/-0.345 χ^2/NDF: 1154.9/21

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -1.149+/-0.340 χ^2/NDF: 980.9/26

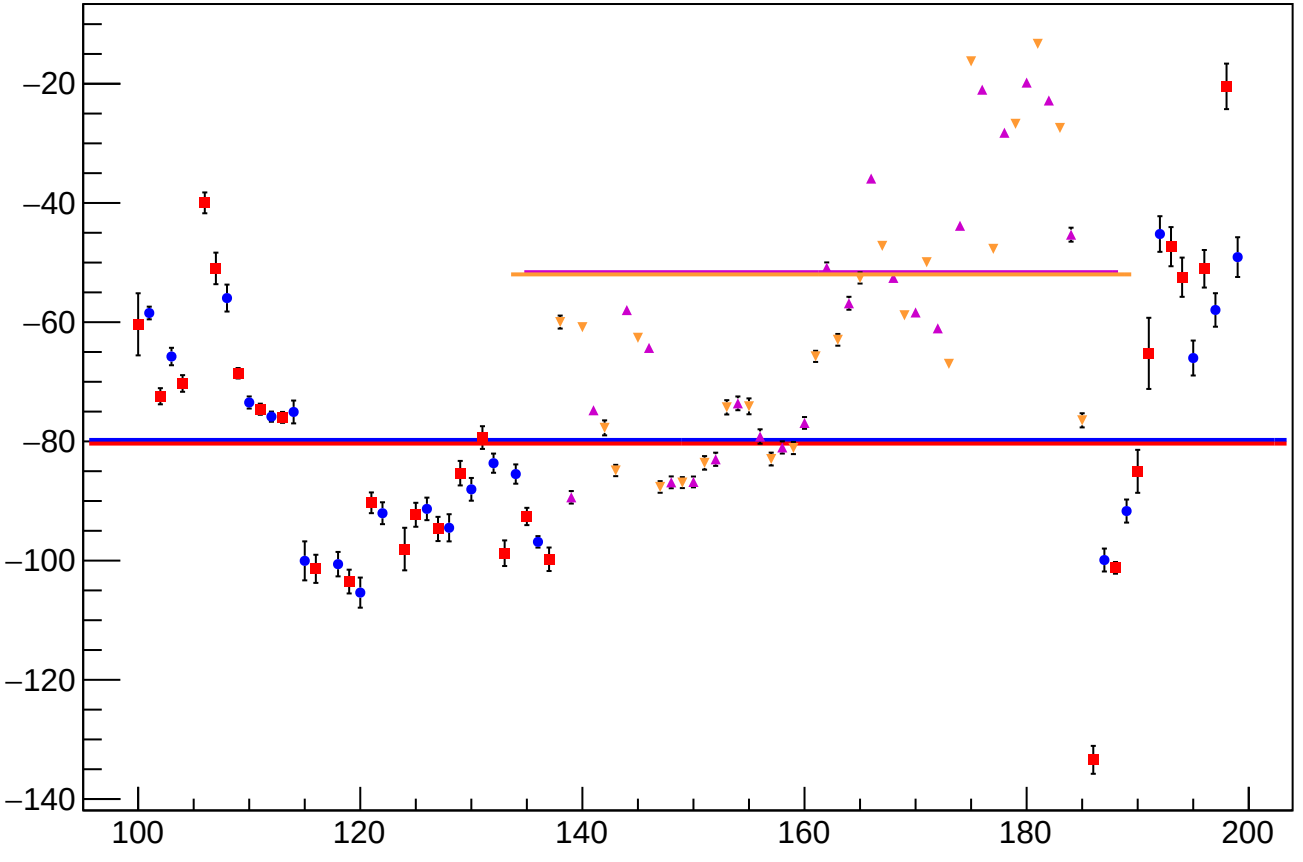
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.761+/-0.120 χ^2/NDF: 8938.4/46

All: 2.548+/-0.086 χ^2/NDF: 15501.4/96

- sign 2.327+/-0.122 χ^2/NDF: 6556.6/49

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -79.756+/-0.343 χ^2/NDF: 1836.0/21

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.366+/-0.321 χ^2/NDF: 3080.8/26

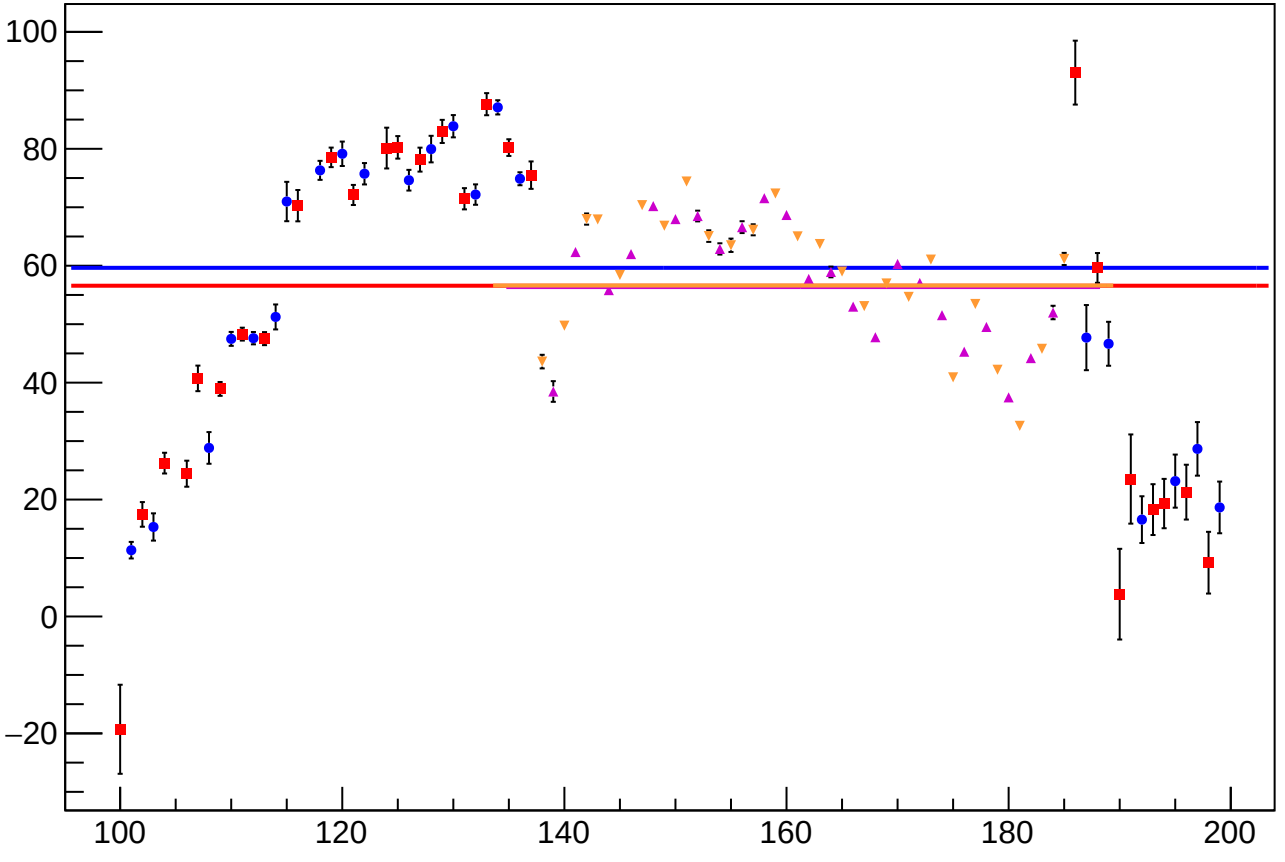
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.198+/-0.149 χ^2/NDF: 28057.0/46

All: -57.518+/-0.105 χ^2/NDF: 55039.3/96

- sign -57.843+/-0.150 χ^2/NDF: 26972.9/49

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 59.641+/-0.391 χ^2/NDF: 3572.0/21

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 56.579+/-0.387 χ^2/NDF: 3187.5/26

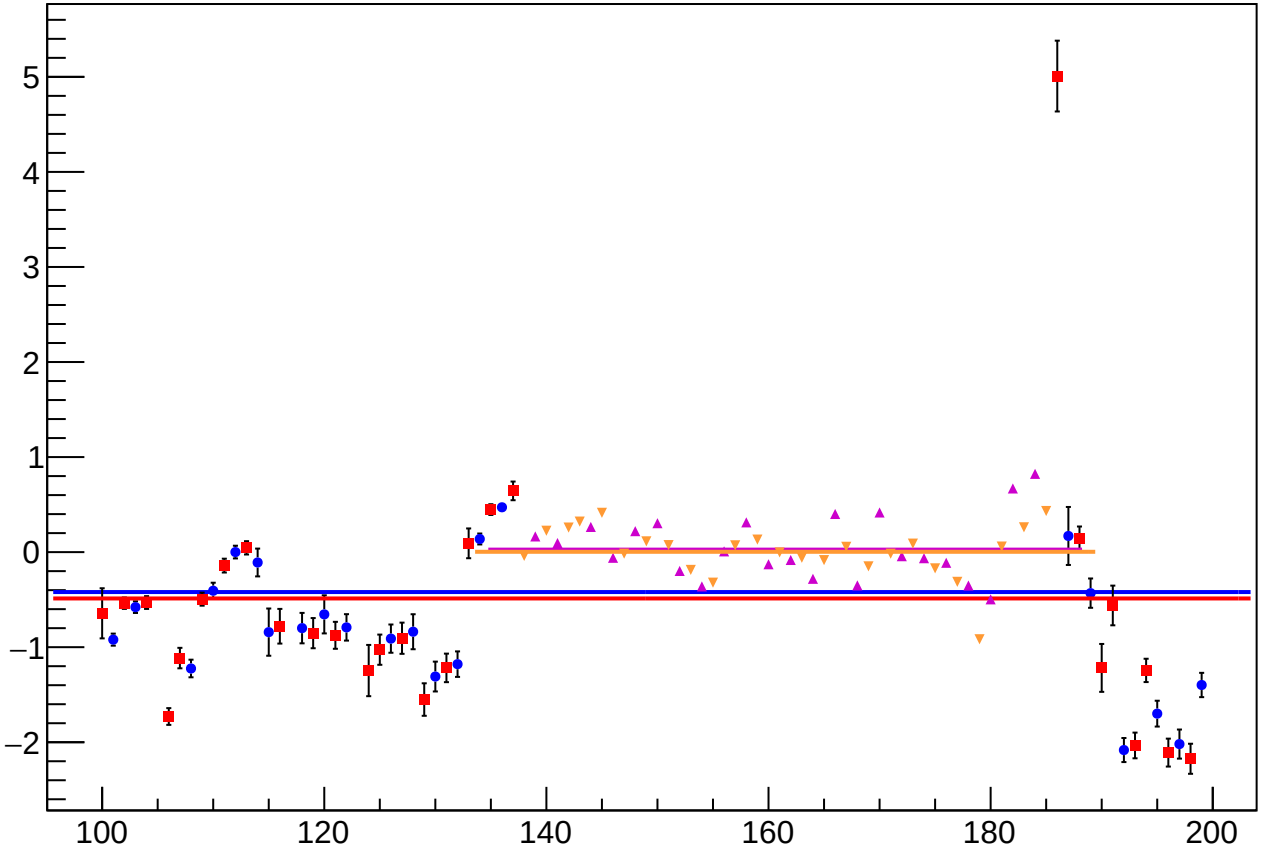
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.974+/-0.135 χ^2/NDF: 9291.0/46

All: 56.681+/-0.096 χ^2/NDF: 16457.2/96

- sign 56.377+/-0.138 χ^2/NDF: 7156.5/49

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.420+/-0.020 χ^2/NDF: 1201.7/21

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.488+/-0.020 χ^2/NDF: 1497.2/26

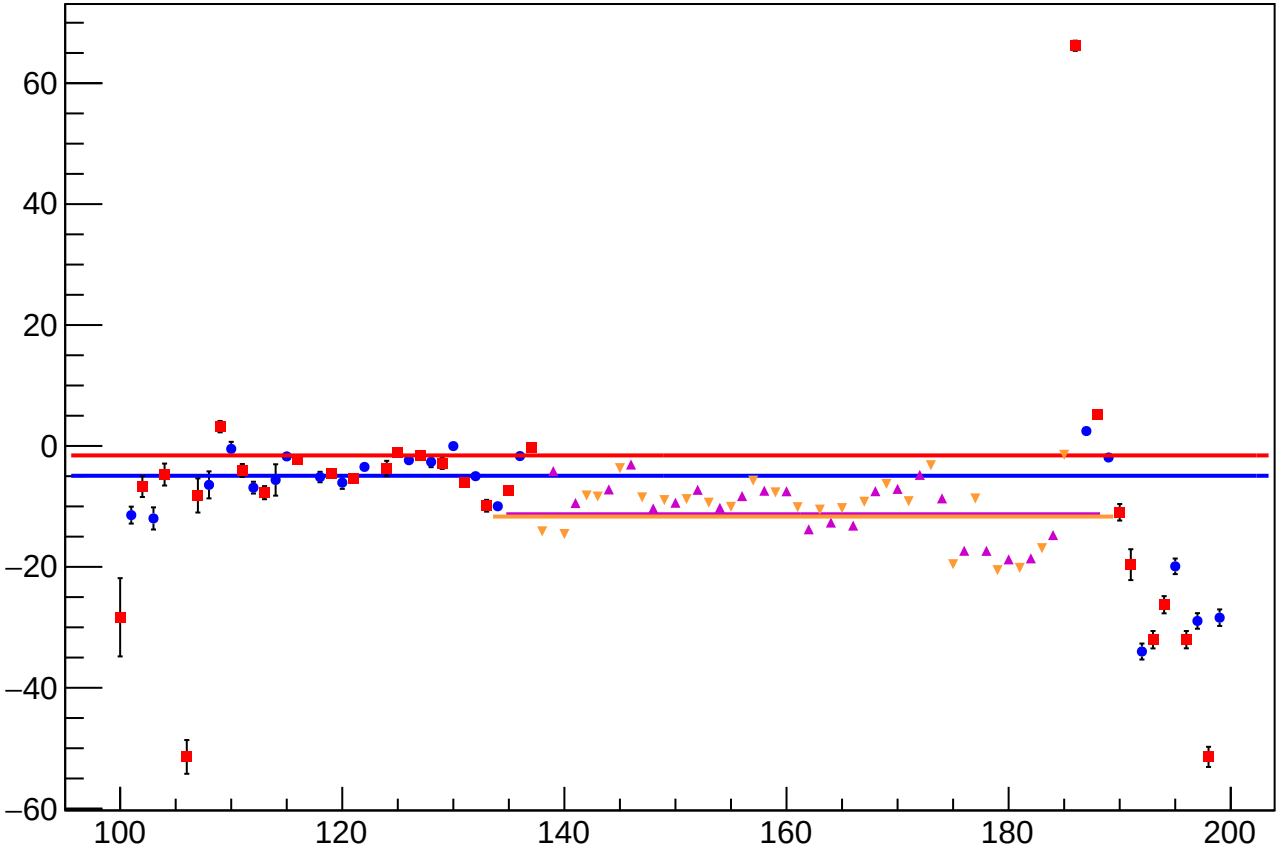
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.035+/-0.006 χ^2/NDF: 3295.6/46

All: -0.029+/-0.004 χ^2/NDF: 7718.7/96

- sign -0.022+/-0.006 χ^2/NDF: 4421.0/49

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.931+/-0.173 χ^2/NDF: 1642.0/21

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -1.565+/-0.170 χ^2/NDF: 9623.7/26

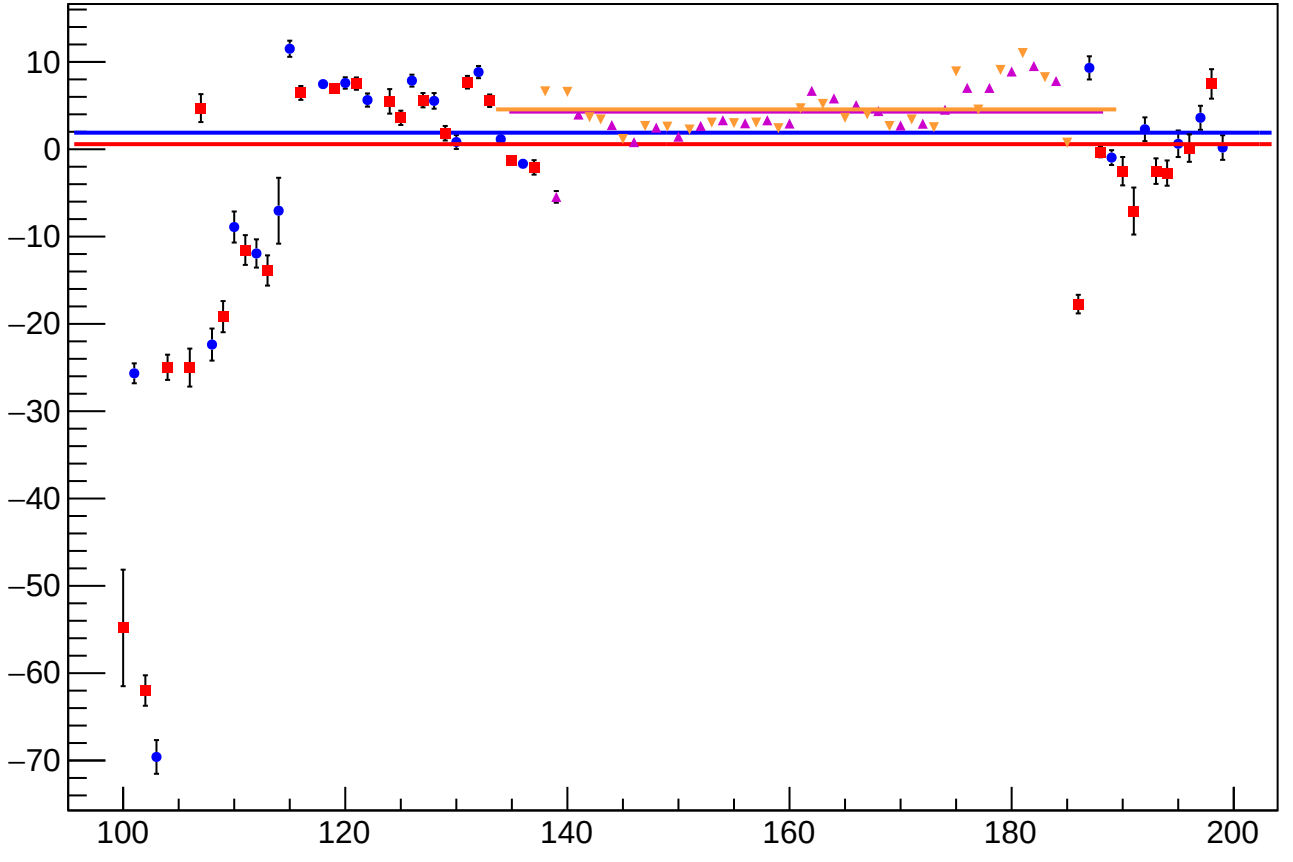
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.106+/-0.050 χ^2/NDF: 15641.0/46

All: -10.766+/-0.036 χ^2/NDF: 37564.6/96

- sign -10.410+/-0.051 χ^2/NDF: 21830.2/49

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.897+/-0.177 χ^2/NDF: 2884.5/21

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.583+/-0.186 χ^2/NDF: 2917.1/26

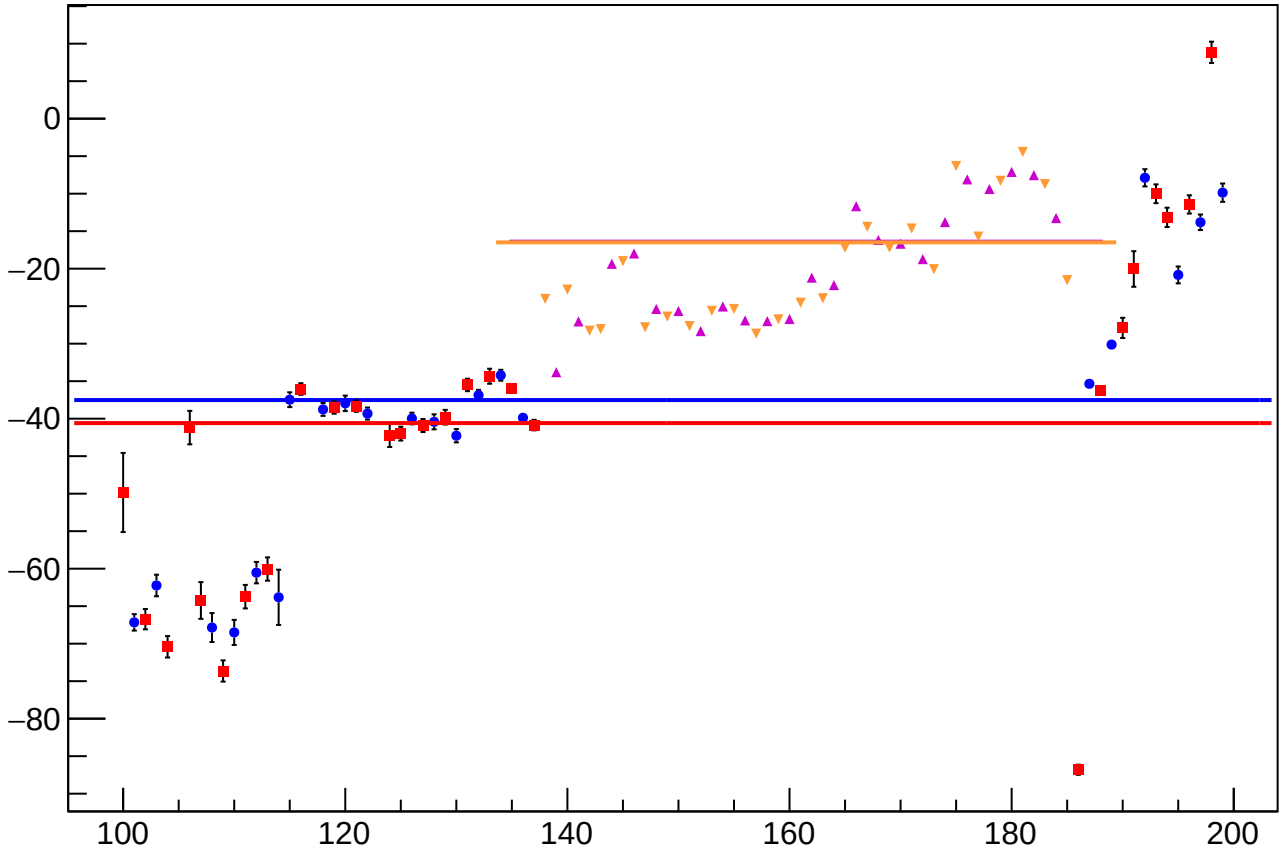
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.426+/-0.040 χ^2/NDF: 7456.1/46

All: 4.279+/-0.029 χ^2/NDF: 14391.3/96

- sign 4.126+/-0.041 χ^2/NDF: 6908.2/49

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -37.518+/-0.180 χ^2/NDF: 4106.0/21

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -40.589+/-0.174 χ^2/NDF: 9868.6/26

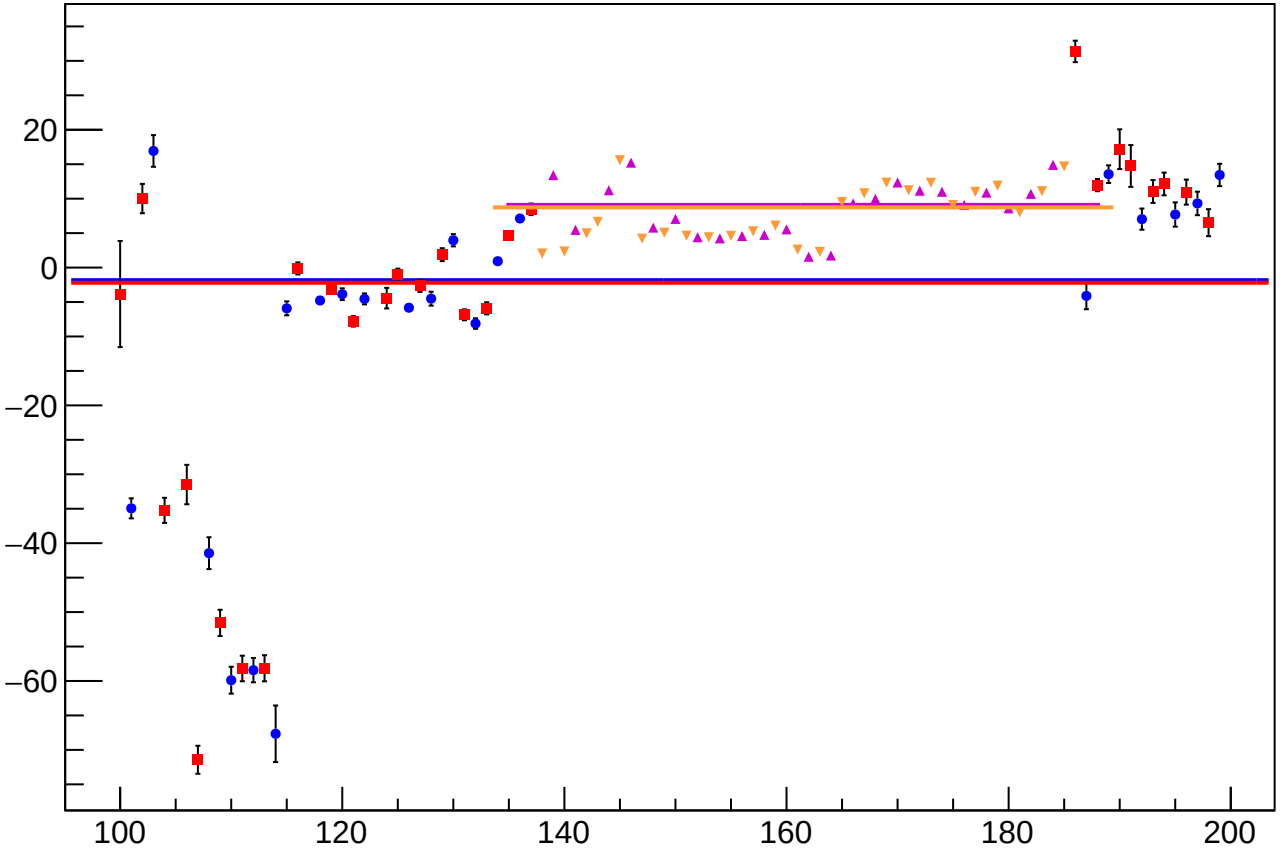
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.160+/-0.051 χ^2/NDF: 38672.8/46

All: -18.337+/-0.036 χ^2/NDF: 84211.8/96

- sign -18.520+/-0.052 χ^2/NDF: 45514.2/49

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -1.829+/-0.200 χ^2/NDF: 4092.3/21

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -2.203+/-0.214 χ^2/NDF: 5532.3/26

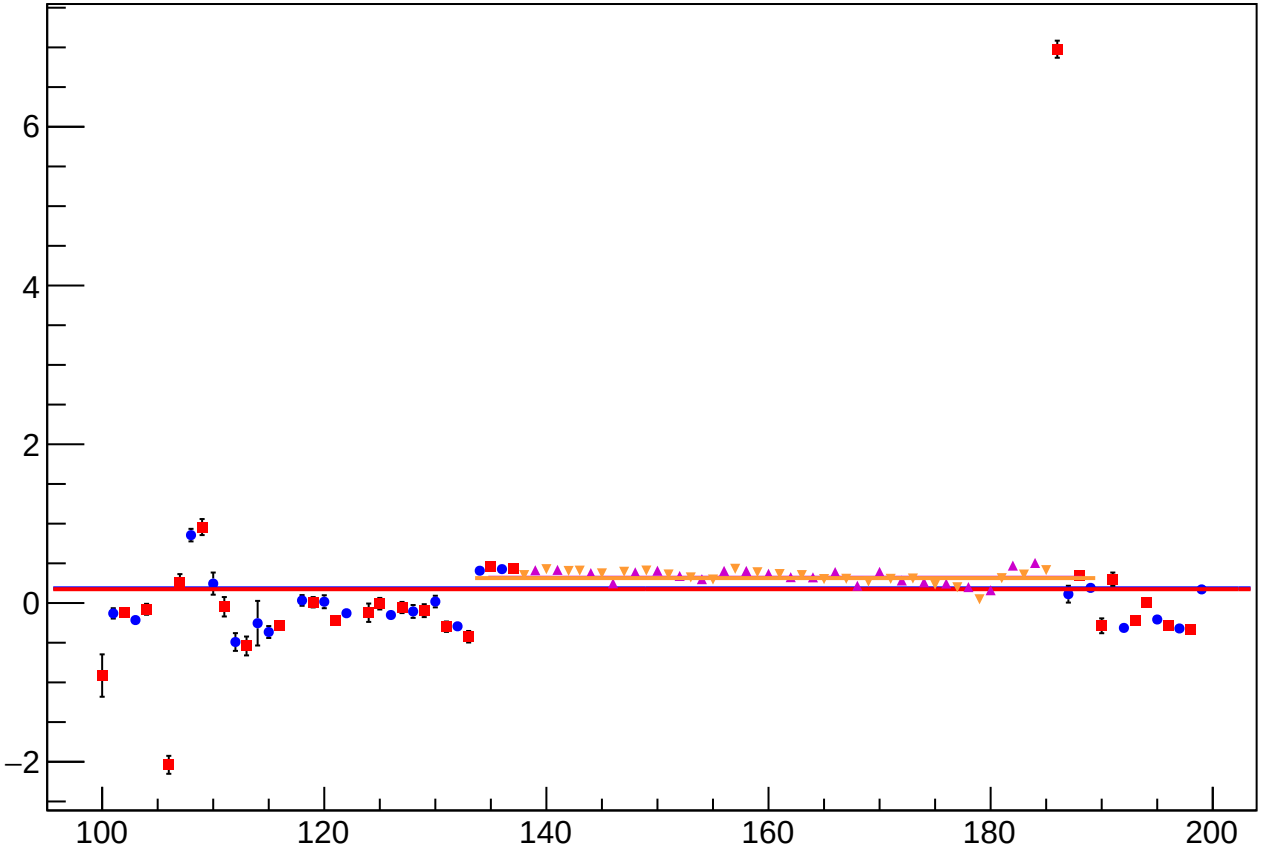
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.198+/-0.045 χ^2/NDF: 13626.0/46

All: 8.382+/-0.032 χ^2/NDF: 27589.6/96

- sign 8.575+/-0.046 χ^2/NDF: 13929.3/49

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.185+/-0.010 χ^2/NDF: 903.7/21

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

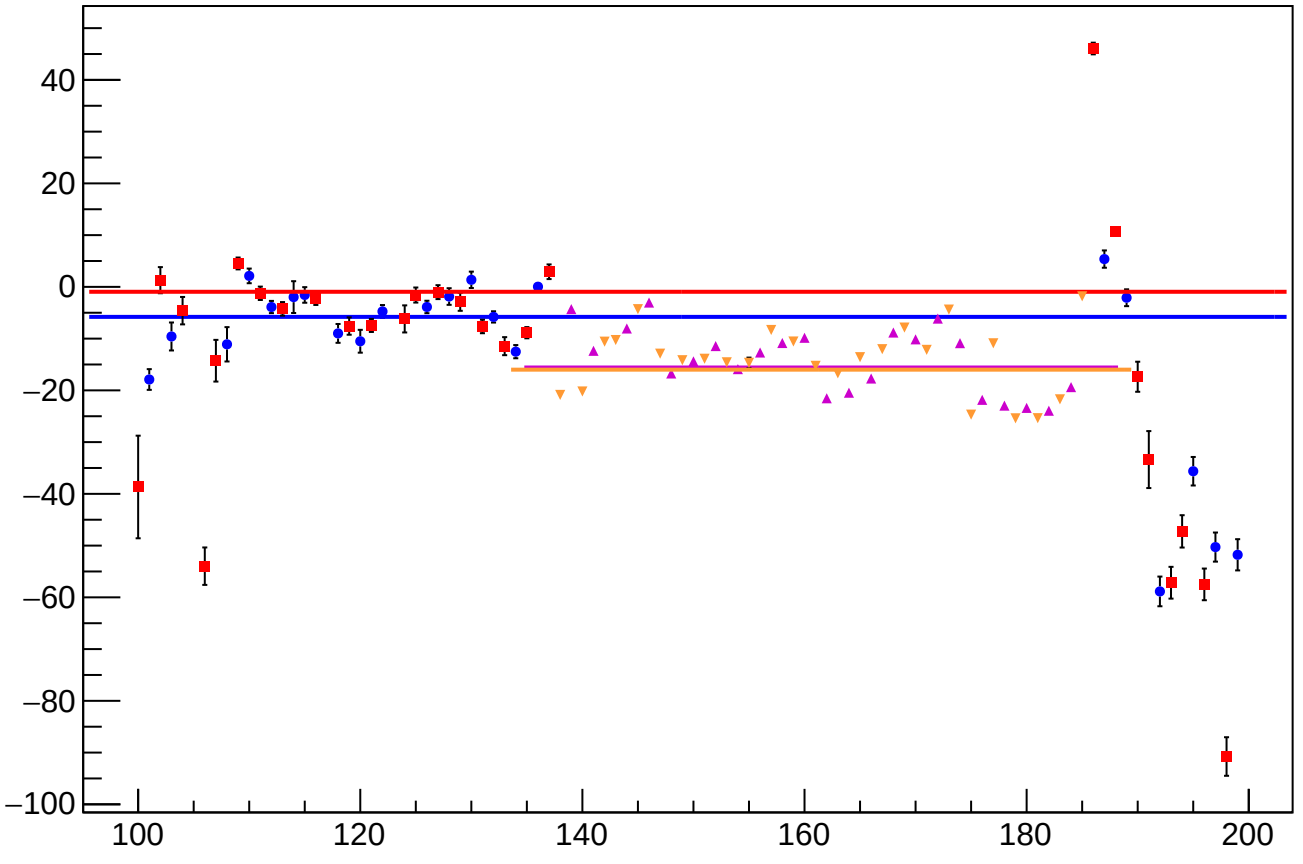
Right Out: 0.174+/-0.011 χ^2/NDF: 5276.7/26

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.309+/-0.002 χ^2/NDF: 2658.4/46

All: 0.311+/-0.001 χ^2/NDF: 9885.5/96

- sign 0.314+/-0.002 χ^2/NDF: 7224.2/49



Right In: -5.799+/-0.323 χ^2/NDF: 1209.7/21

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -0.948+/-0.310 χ^2/NDF: 3885.3/26

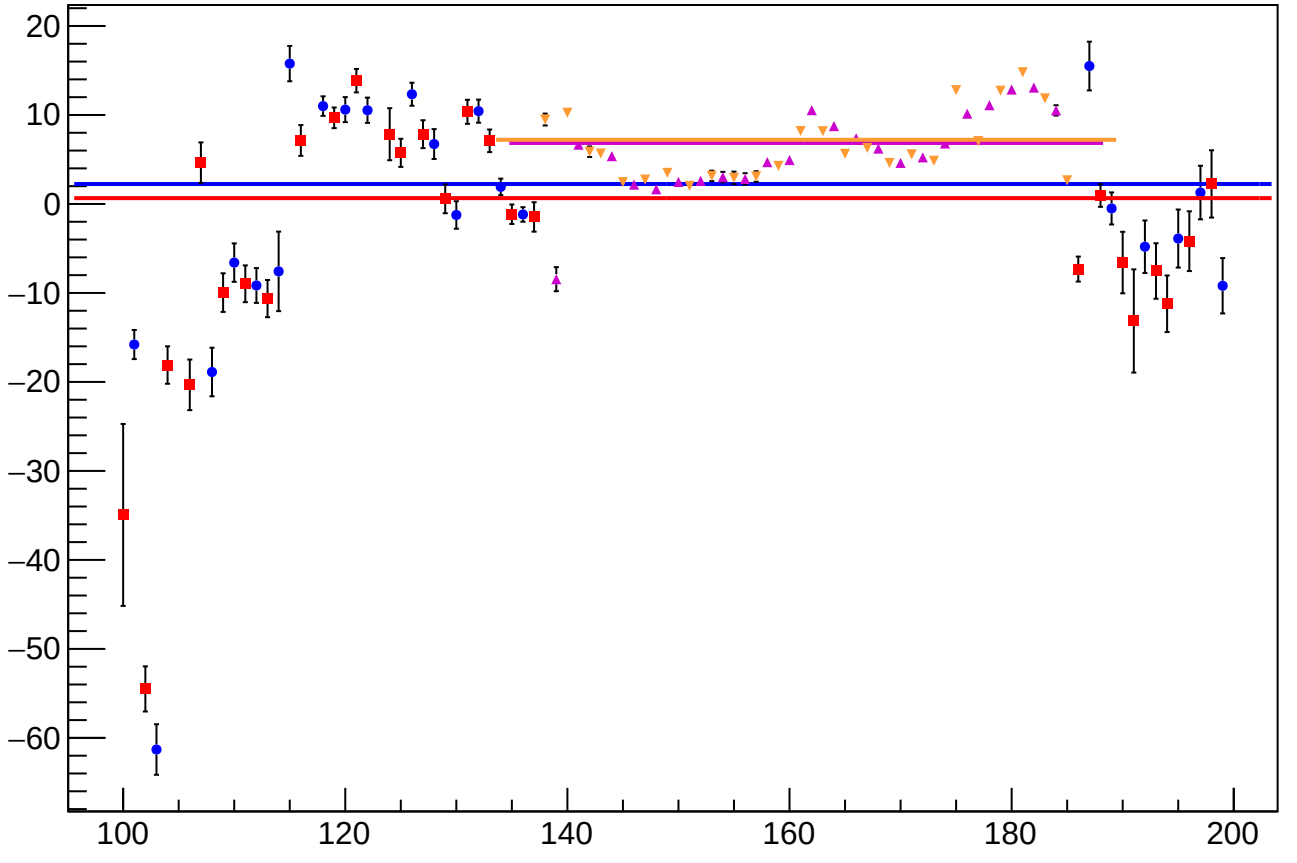
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.119+/-0.095 χ^2/NDF: 8082.9/46

All: -14.646+/-0.068 χ^2/NDF: 18786.8/96

- sign -14.155+/-0.097 χ^2/NDF: 10653.4/49

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.242+/-0.339 χ^2/NDF: 1095.7/21

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.654+/-0.347 χ^2/NDF: 1056.3/26

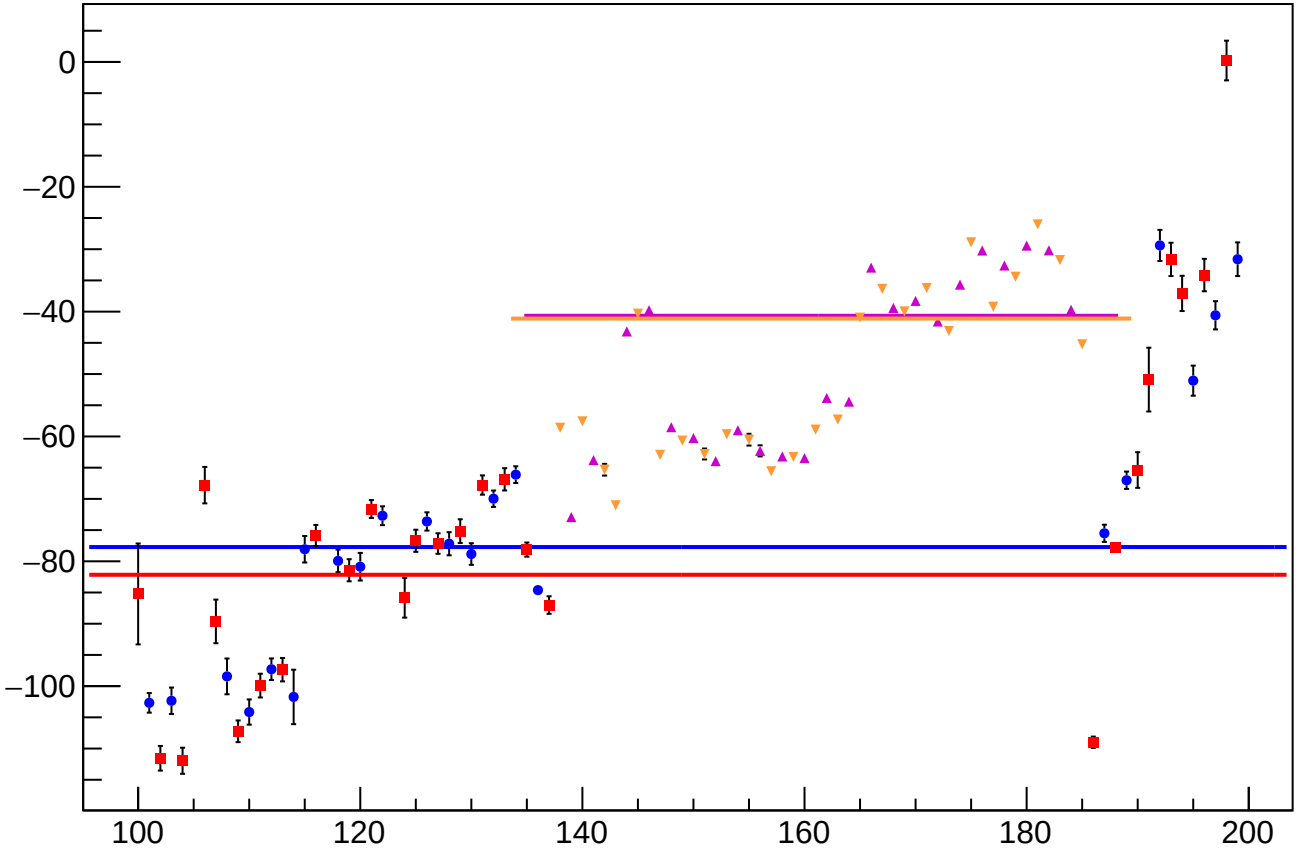
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.949+/-0.078 χ^2/NDF: 3755.6/46

All: 6.745+/-0.055 χ^2/NDF: 7285.1/96

- sign 6.535+/-0.079 χ^2/NDF: 3515.6/49

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -77.717+/-0.343 χ^2/NDF: 2118.0/21

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -82.160+/-0.323 χ^2/NDF: 3712.2/26

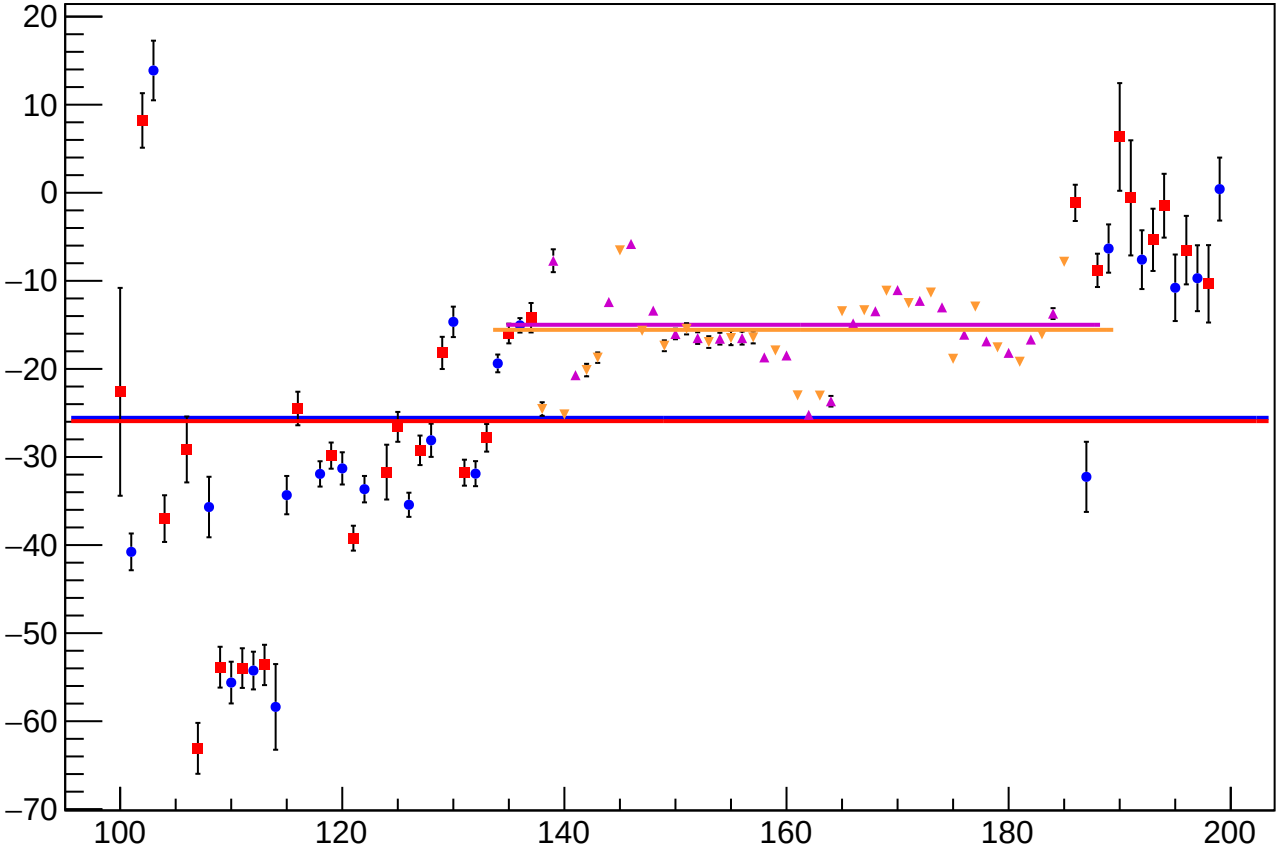
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

\+ sign -43.974+/-0.096 χ^2/NDF: 28597.8/46

All: -44.205+/-0.068 χ^2/NDF: 60872.2/96

\- sign -44.444+/-0.097 χ^2/NDF: 32262.5/49

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -25.552+/-0.381 χ^2/NDF: 1140.3/21

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -25.928+/-0.401 χ^2/NDF: 1405.6/26

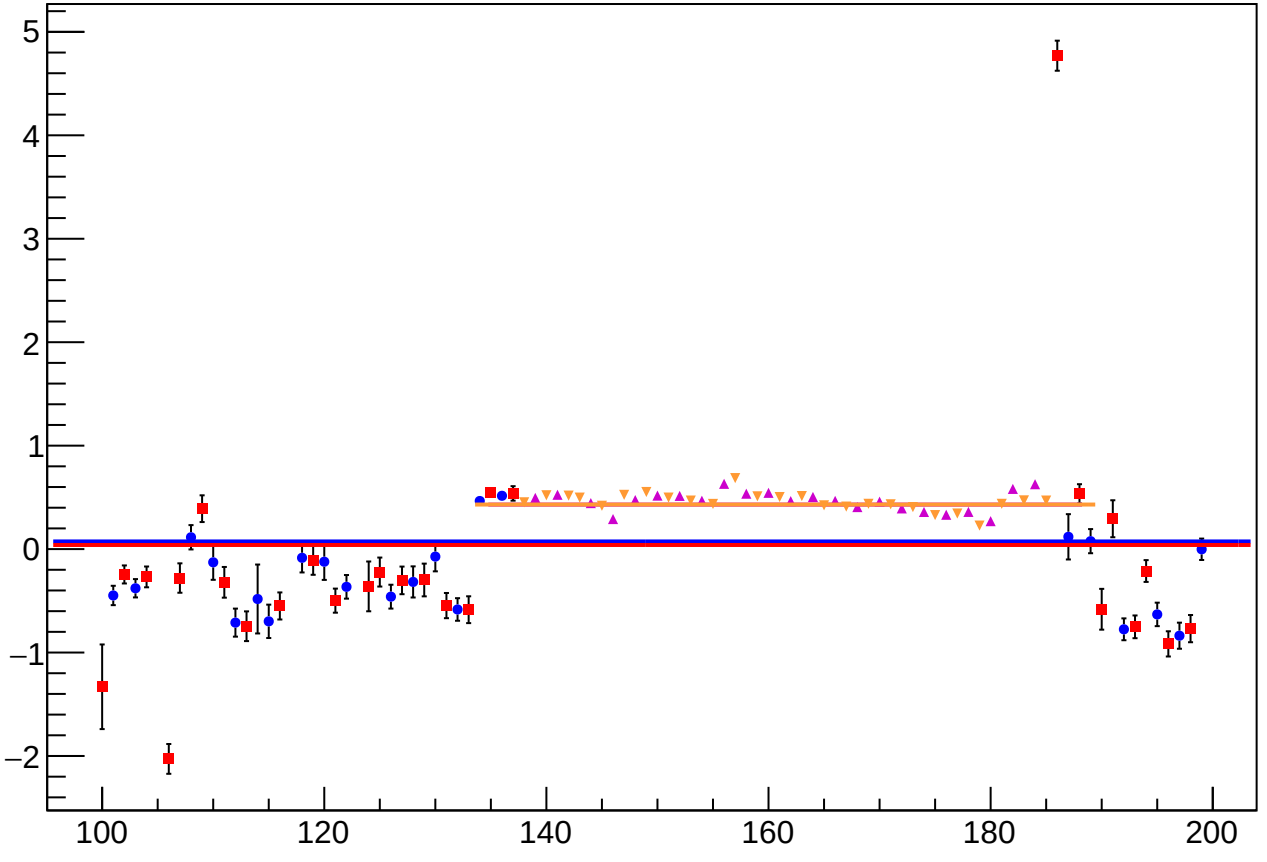
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.078+/-0.087 χ^2/NDF: 4342.5/46

All: -15.803+/-0.062 χ^2/NDF: 8627.9/96

- sign -15.518+/-0.088 χ^2/NDF: 4264.8/49

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.074+/-0.020 χ^2/NDF: 595.9/21

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.040+/-0.021 χ^2/NDF: 1833.1/26

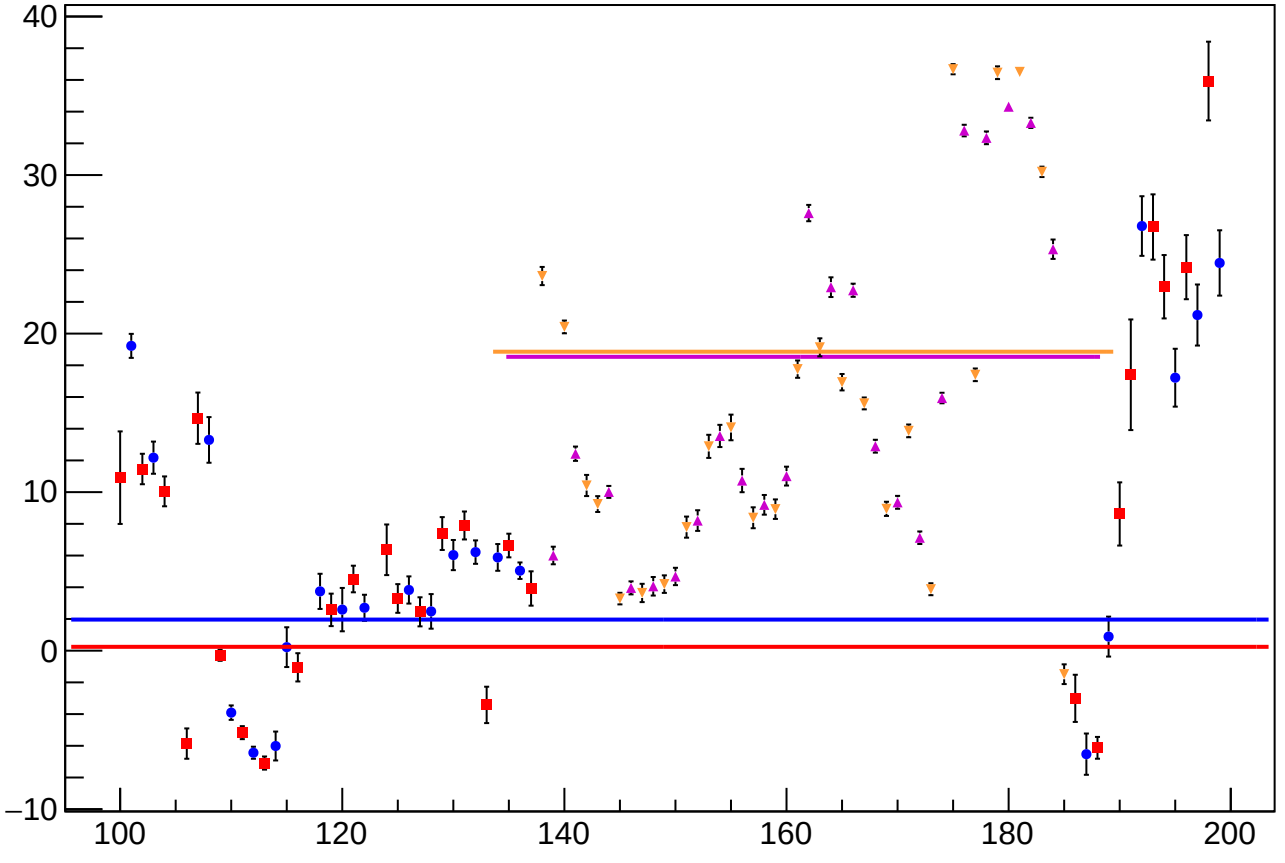
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.417+/-0.004 χ^2/NDF: 1332.4/46

All: 0.417+/-0.003 χ^2/NDF: 4071.9/96

- sign 0.416+/-0.004 χ^2/NDF: 2739.5/49

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.961+/-0.176 χ^2/NDF: 2037.1/21

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.243+/-0.159 χ^2/NDF: 1924.9/26

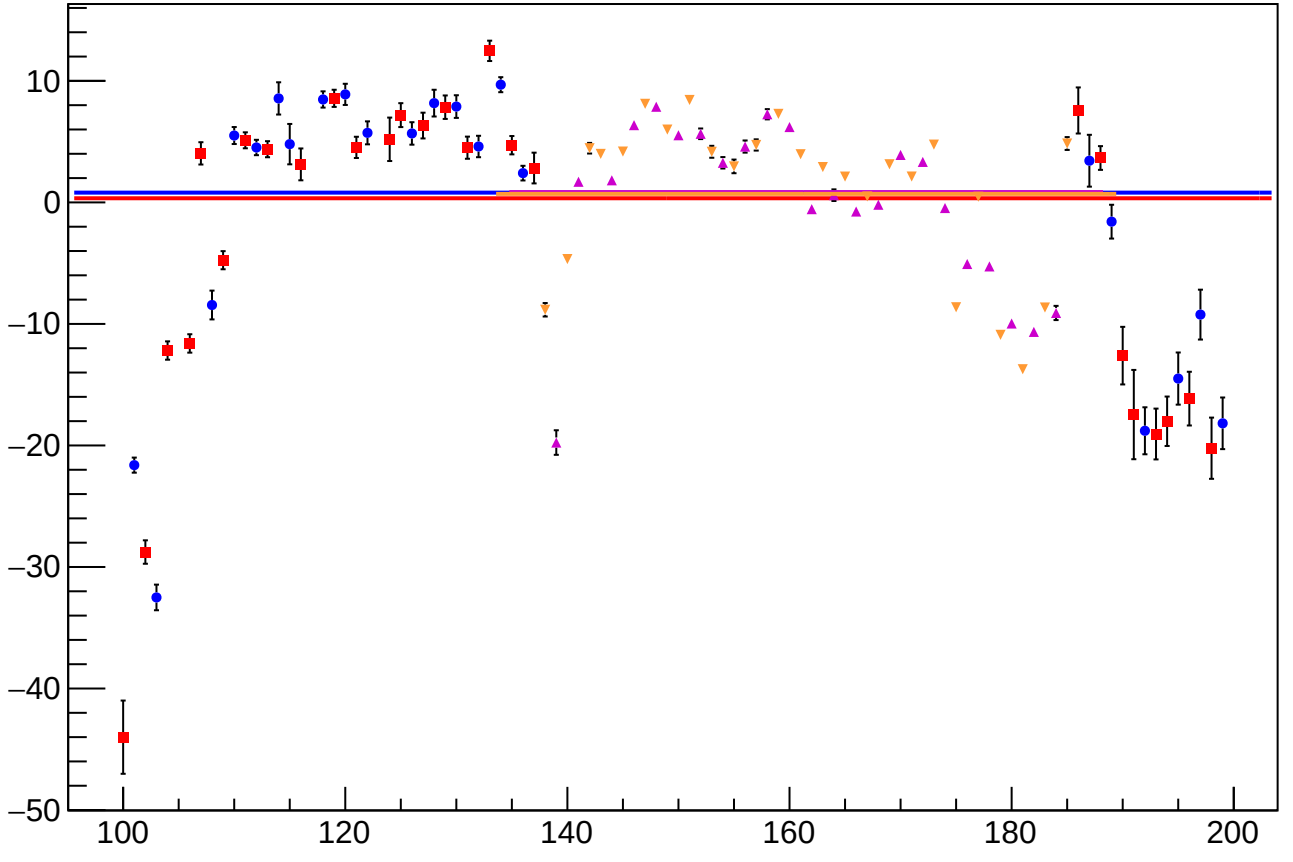
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.343+/-0.080 χ^2/NDF: 27677.2/46

All: 14.602+/-0.057 χ^2/NDF: 53672.0/96

- sign 13.862+/-0.080 χ^2/NDF: 25825.3/49

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.804+/-0.197 χ^2/NDF: 3352.4/21

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.340+/-0.193 χ^2/NDF: 2753.9/26

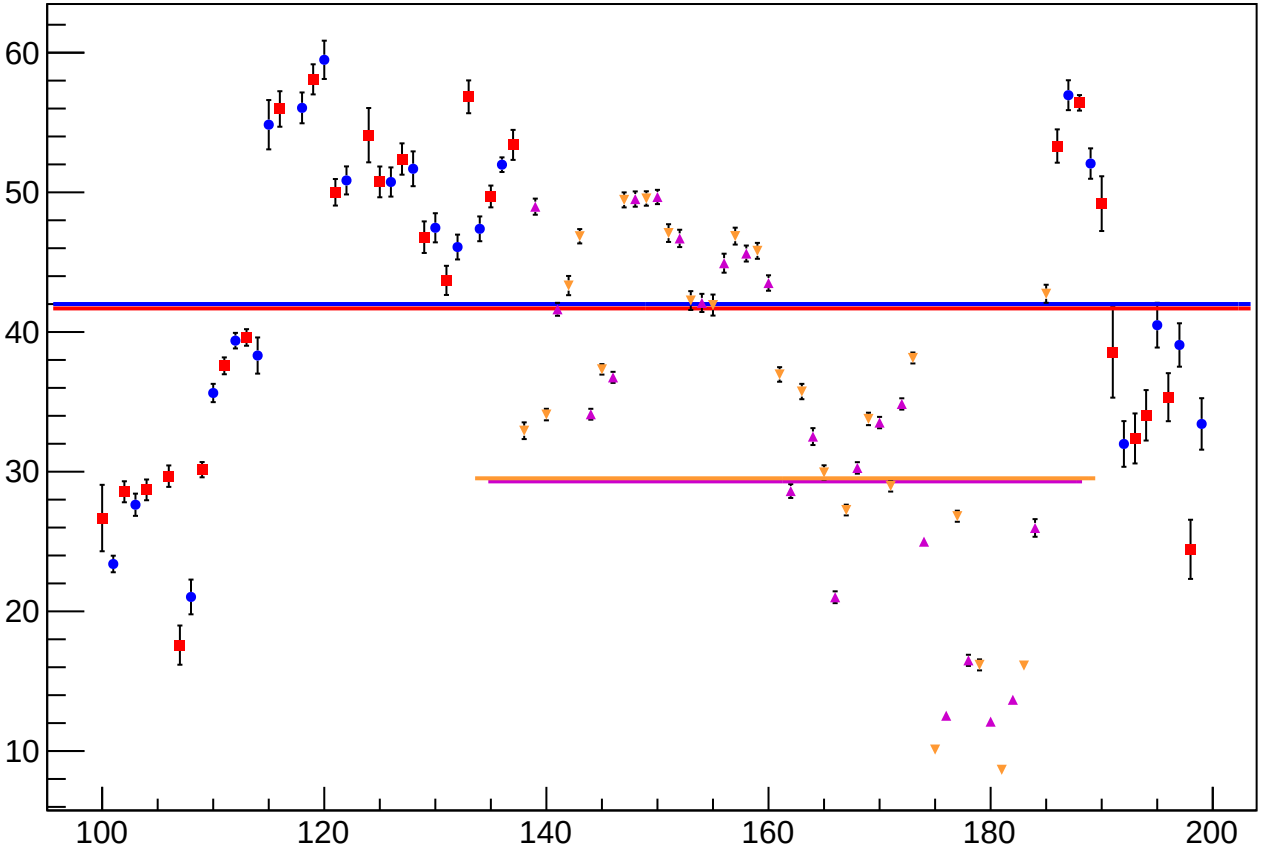
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.714+/-0.066 χ^2/NDF: 11590.5/46

All: 0.748+/-0.047 χ^2/NDF: 20396.3/96

- sign 0.784+/-0.068 χ^2/NDF: 8805.3/49

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 42.004+/-0.197 χ^2/NDF: 3098.3/21

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.689+/-0.183 χ^2/NDF: 3679.5/26

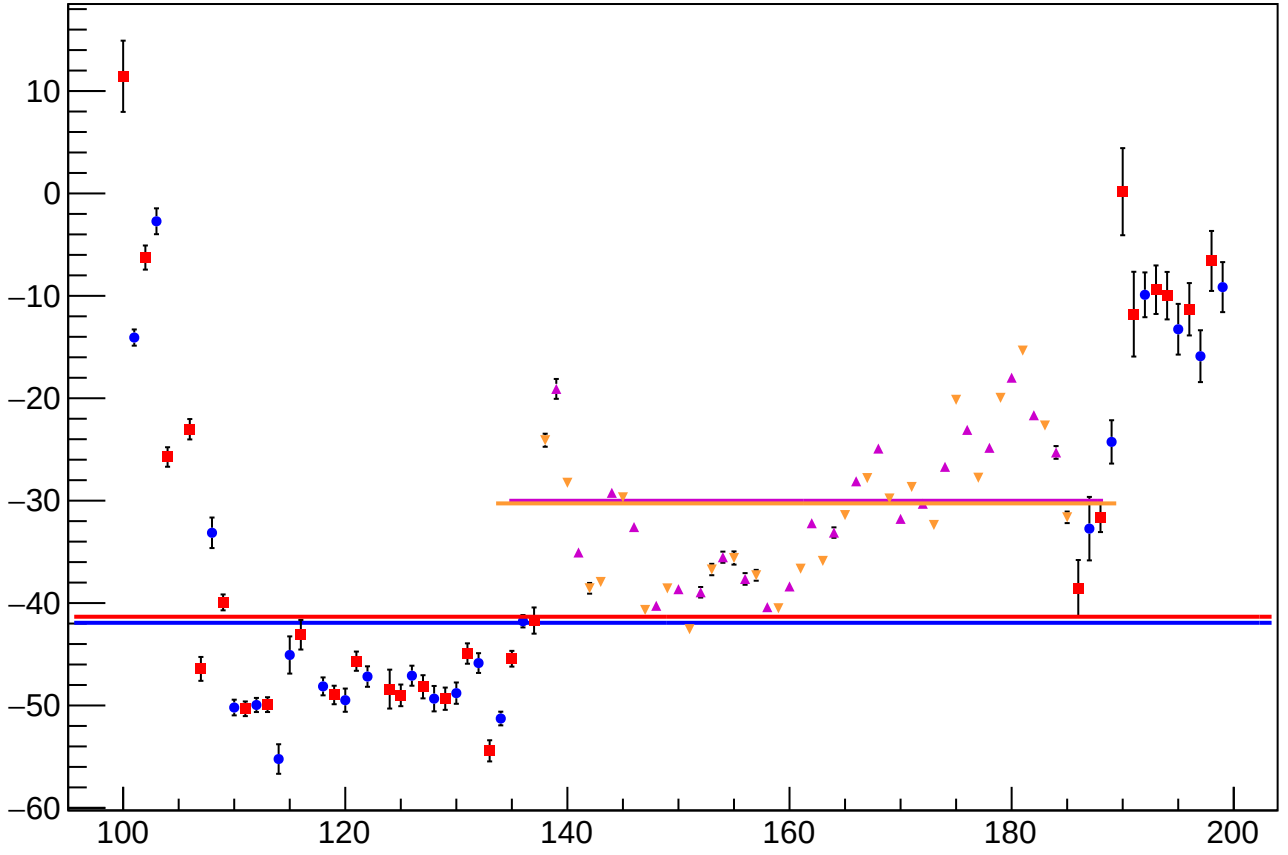
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.701+/-0.082 χ^2/NDF: 27489.6/46

All: 31.773+/-0.058 χ^2/NDF: 52669.9/96

- sign 31.846+/-0.083 χ^2/NDF: 25178.8/49

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -41.927+/-0.223 χ^2/NDF: 3733.0/21

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -41.335+/-0.221 χ^2/NDF: 3334.7/26

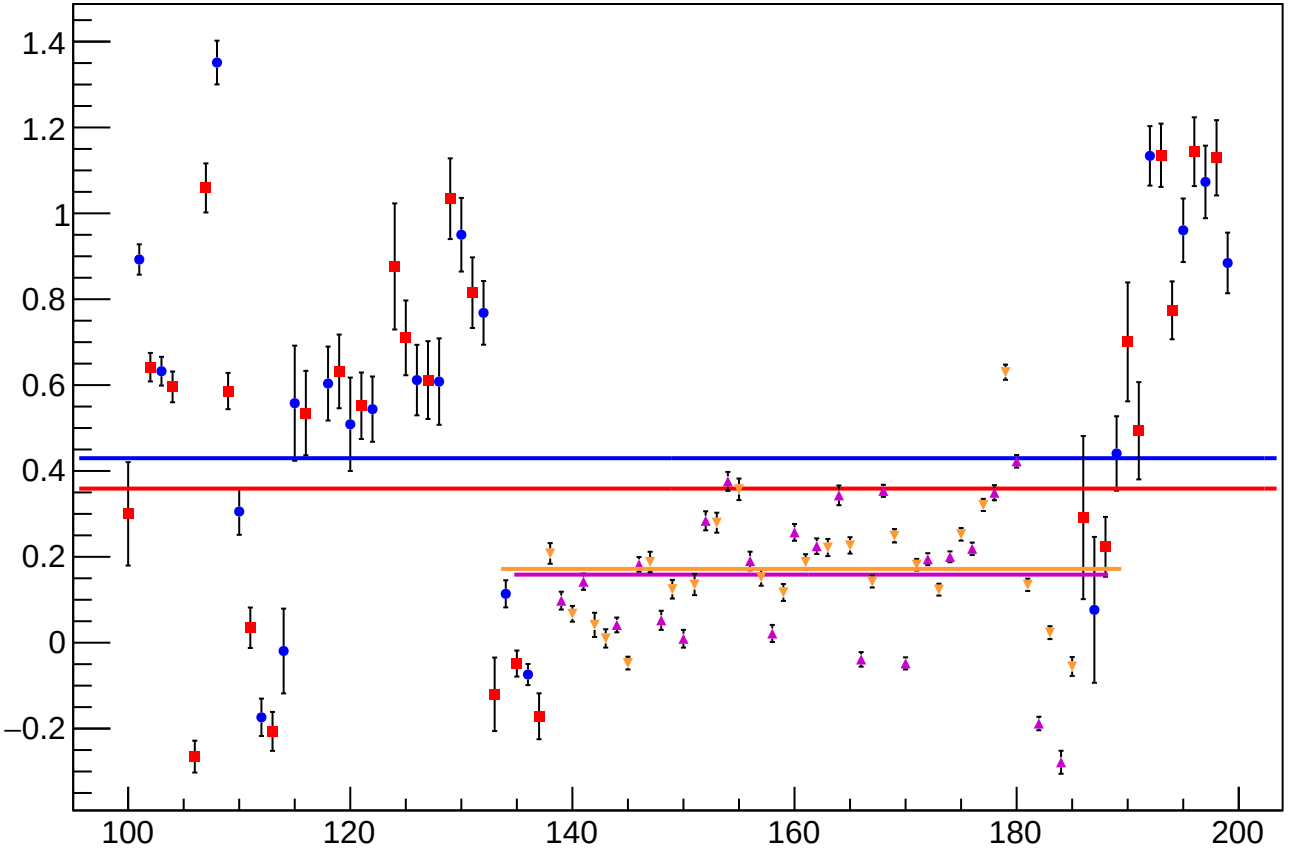
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.571+/-0.075 χ^2/NDF: 14652.3/46

All: -31.467+/-0.053 χ^2/NDF: 26381.0/96

- sign -31.359+/-0.076 χ^2/NDF: 11724.7/49

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.430+/-0.011 χ^2/NDF: 1605.2/21

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.359+/-0.011 χ^2/NDF: 1563.2/26

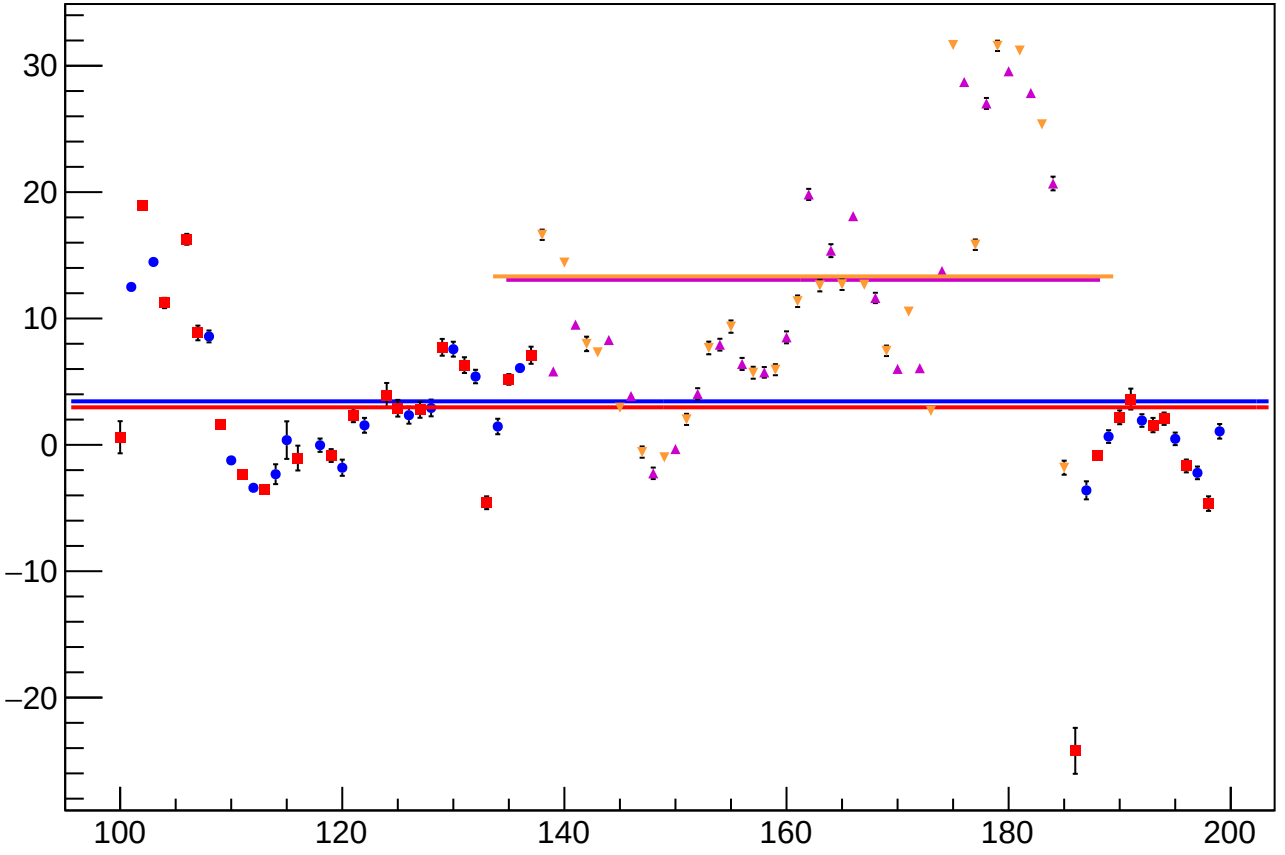
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.195+/-0.003 χ^2/NDF: 3568.4/46

All: 0.186+/-0.002 χ^2/NDF: 7618.2/96

- sign 0.177+/-0.003 χ^2/NDF: 4037.3/49

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.443+/-0.103 χ^2/NDF: 3010.8/21

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

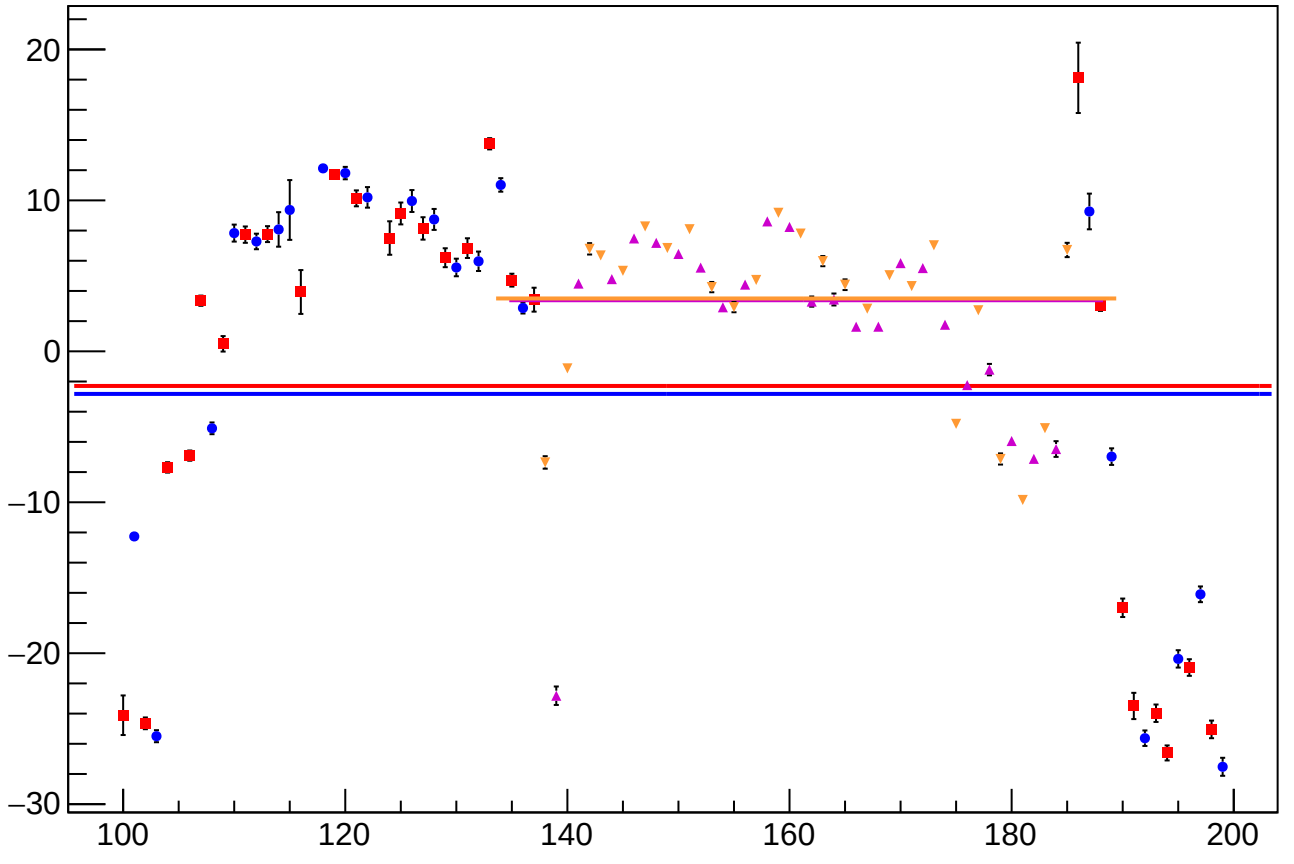
Right Out: 2.971+/-0.092 χ^2/NDF: 5076.3/26

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 9.806+/-0.062 χ^2/NDF: 28357.4/46

All: 9.268+/-0.043 χ^2/NDF: 56044.2/96

- sign 8.757+/-0.060 χ^2/NDF: 27538.3/49



Right In: -2.822+/-0.104 χ^2/NDF: 16817.7/21

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -2.294+/-0.097 χ^2/NDF: 18417.4/26

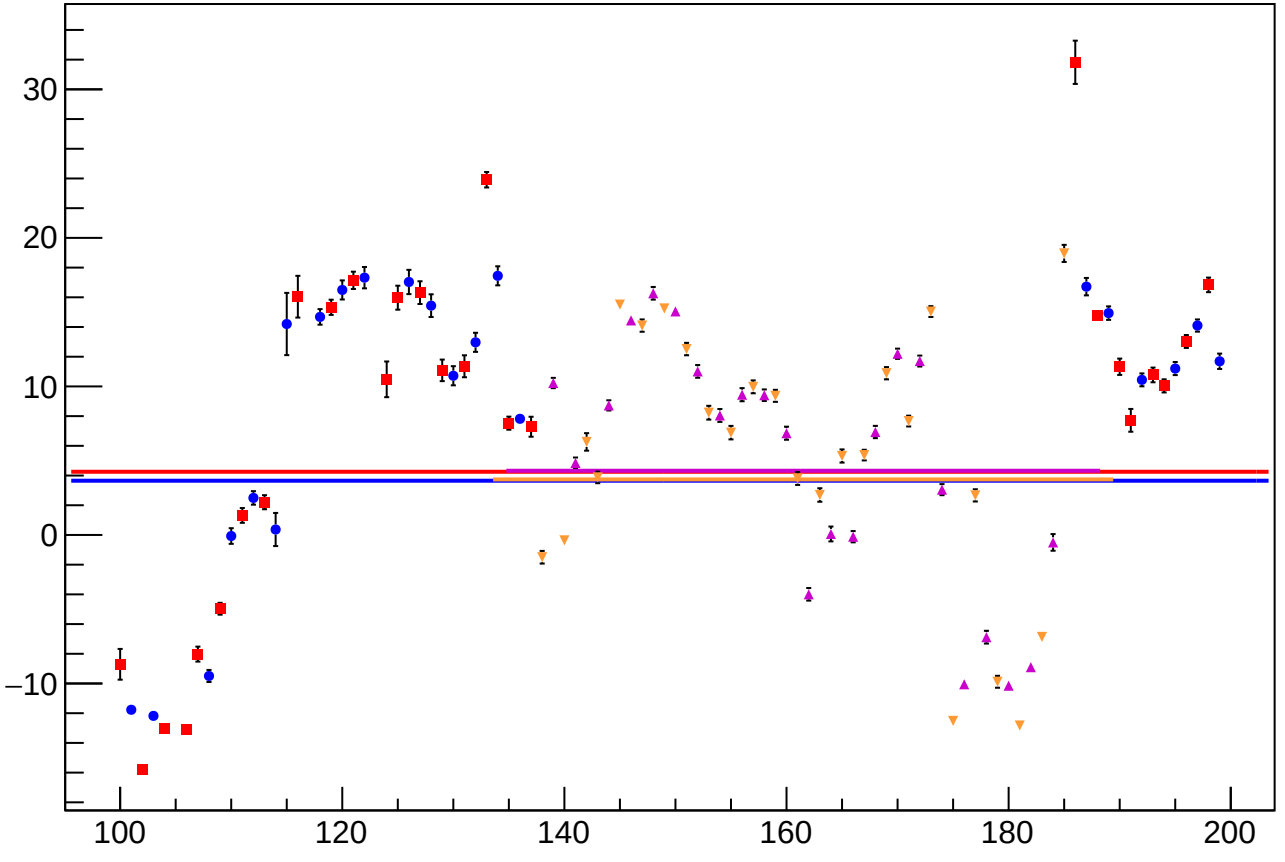
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 1.989+/-0.051 χ^2/NDF: 27520.2/46

All: 1.888+/-0.036 χ^2/NDF: 55096.7/96

- sign 1.784+/-0.052 χ^2/NDF: 27568.5/49

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 3.652+/-0.101 χ^2/NDF: 12764.1/21

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 4.255+/-0.090 χ^2/NDF: 19109.1/26

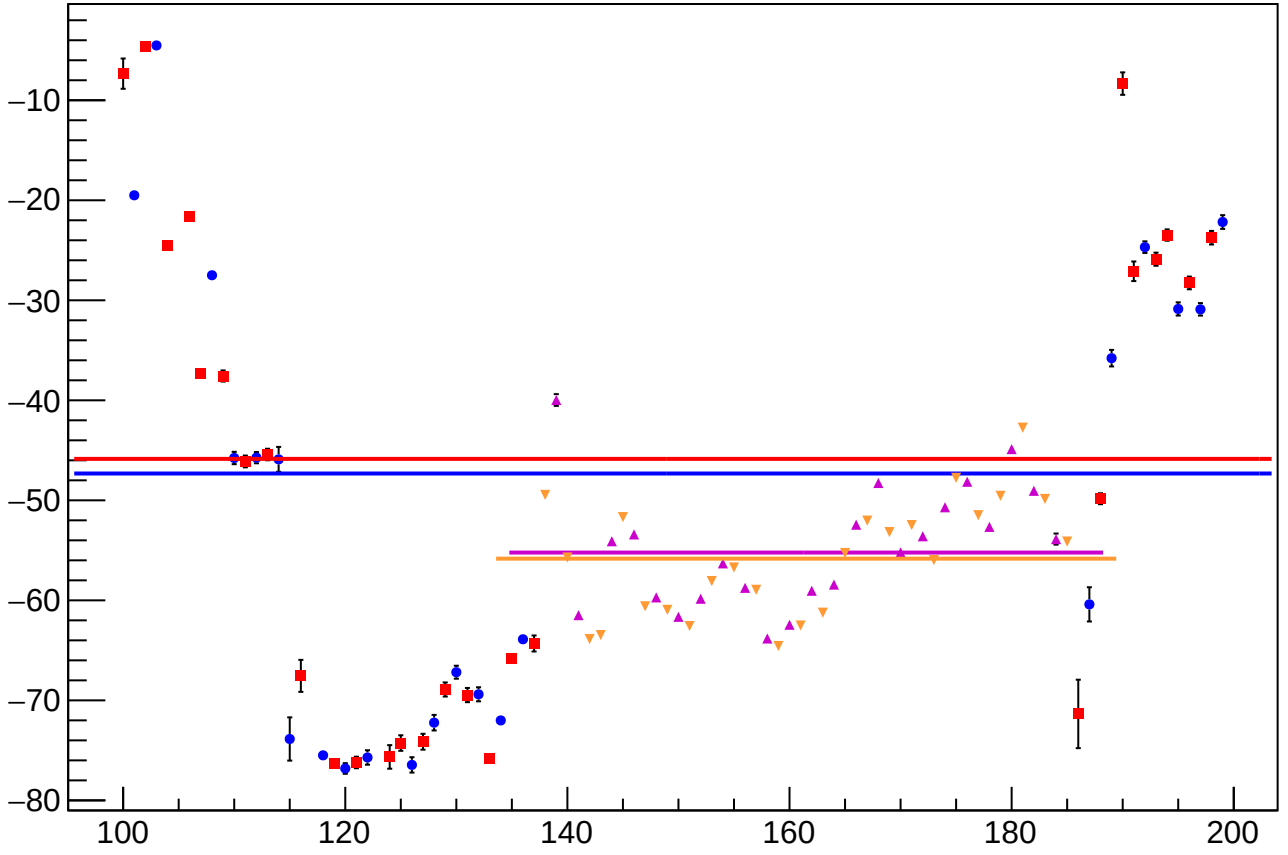
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.707+/-0.061 χ^2/NDF: 28351.3/46

All: 4.008+/-0.043 χ^2/NDF: 59991.7/96

- sign 4.293+/-0.059 χ^2/NDF: 31592.8/49

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -47.318+/-0.123 χ^2/NDF: 39035.2/21

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

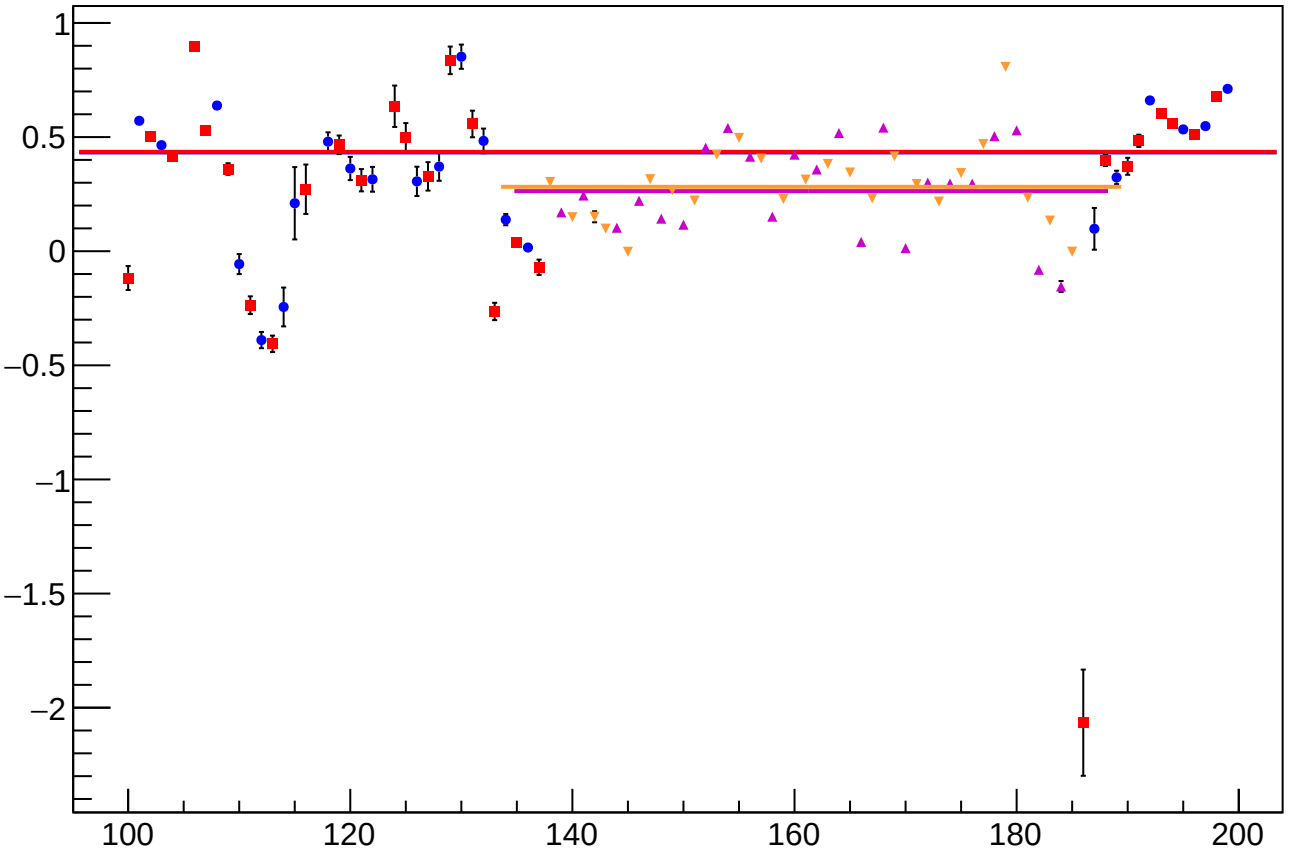
Right Out: -45.856+/-0.116 χ^2/NDF: 40799.4/26

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -53.915+/-0.058 χ^2/NDF: 50336.1/46

All: -53.365+/-0.042 χ^2/NDF: 102464.9/96

- sign -52.800+/-0.059 χ^2/NDF: 51948.8/49



Right In: 0.433+/-0.005 χ^2/NDF: 2425.8/21

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.435+/-0.005 χ^2/NDF: 3284.2/26

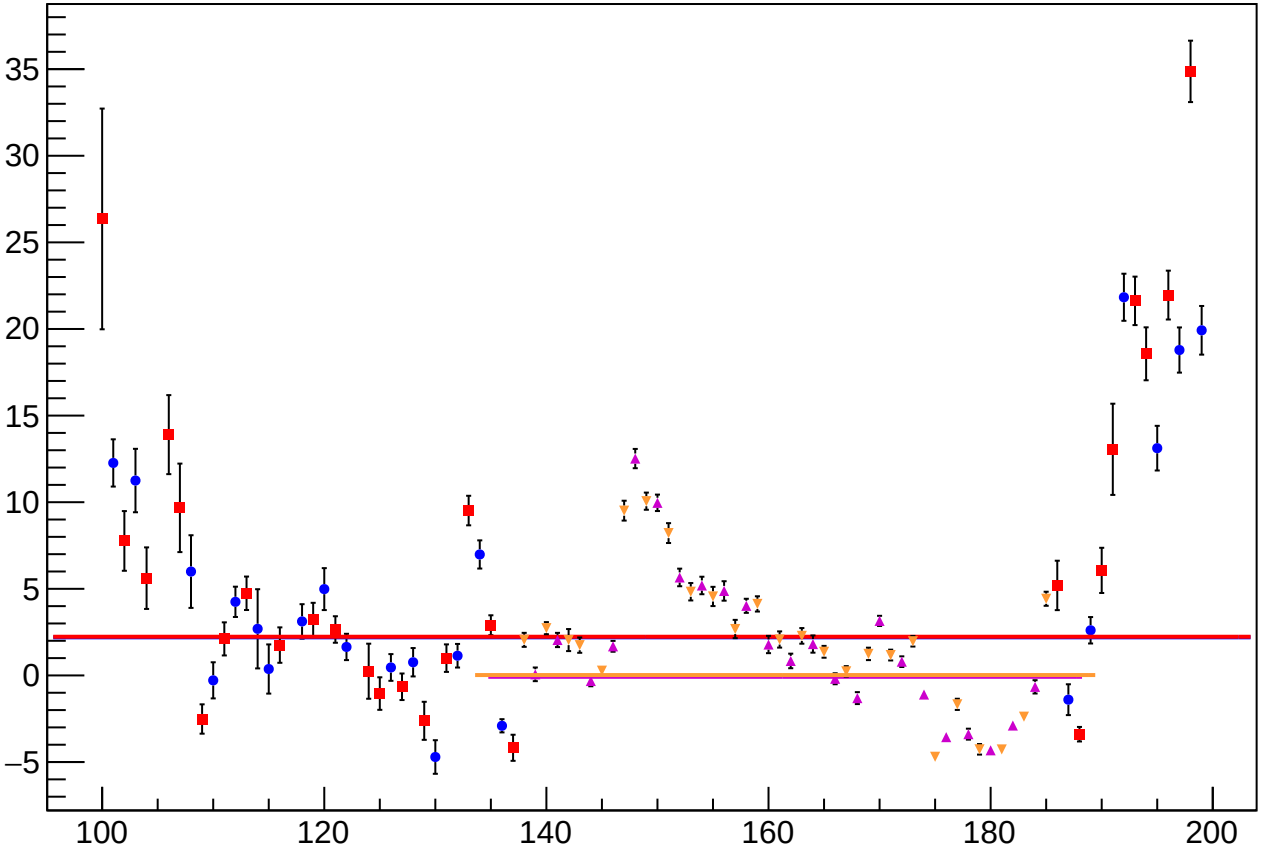
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.319+/-0.003 χ^2/NDF: 5764.7/46

All: 0.315+/-0.002 χ^2/NDF: 13782.0/96

- sign 0.311+/-0.003 χ^2/NDF: 8012.2/49

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.199+/-0.191 χ^2/NDF: 994.6/21

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

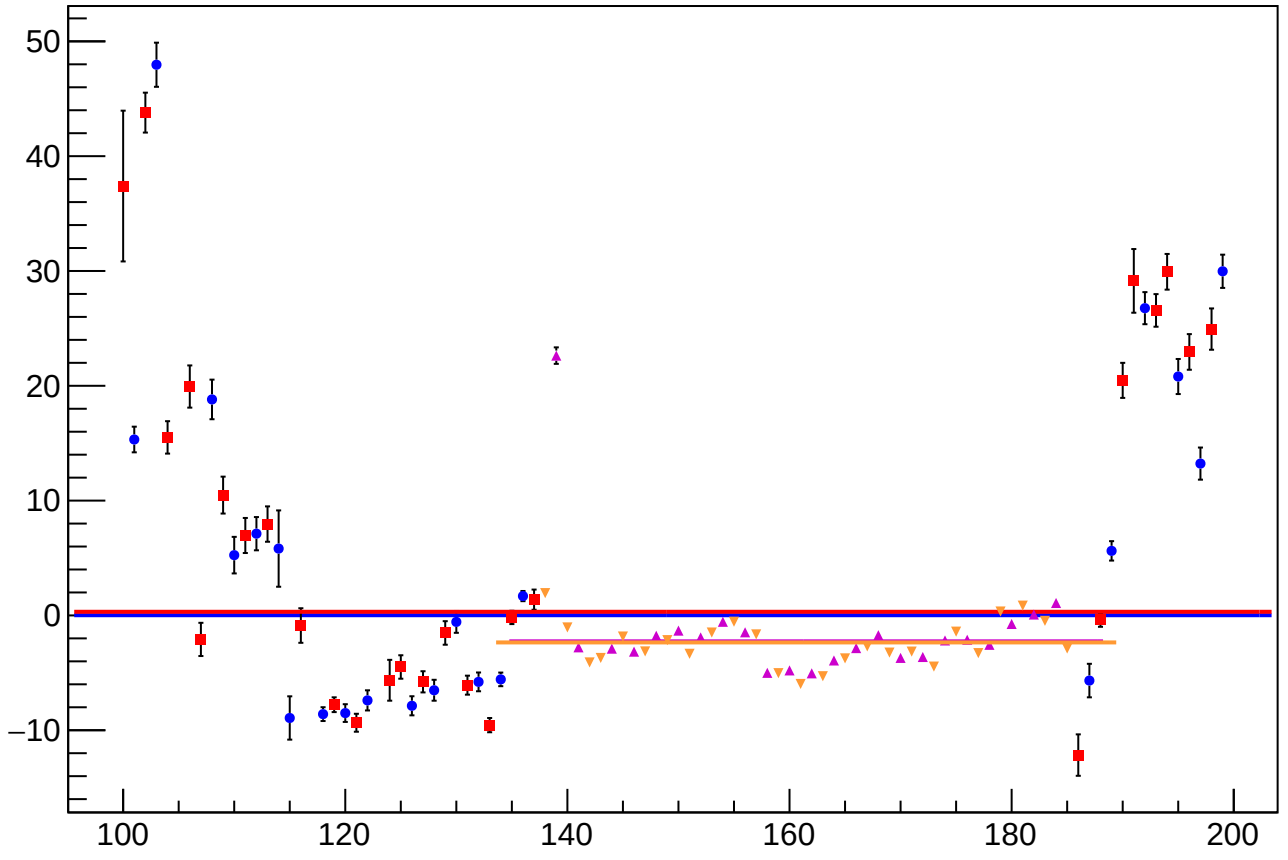
Right Out: 2.234+/-0.186 χ^2/NDF: 1349.7/26

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

\+ sign 0.270+/-0.065 χ^2/NDF: 3868.9/46

All: 0.241+/-0.046 χ^2/NDF: 7818.3/96

\- sign 0.211+/-0.066 χ^2/NDF: 3949.0/49



Right In: 0.018+/-0.199 χ^2/NDF: 2811.0/21

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 0.317+/-0.202 χ^2/NDF: 3116.5/26

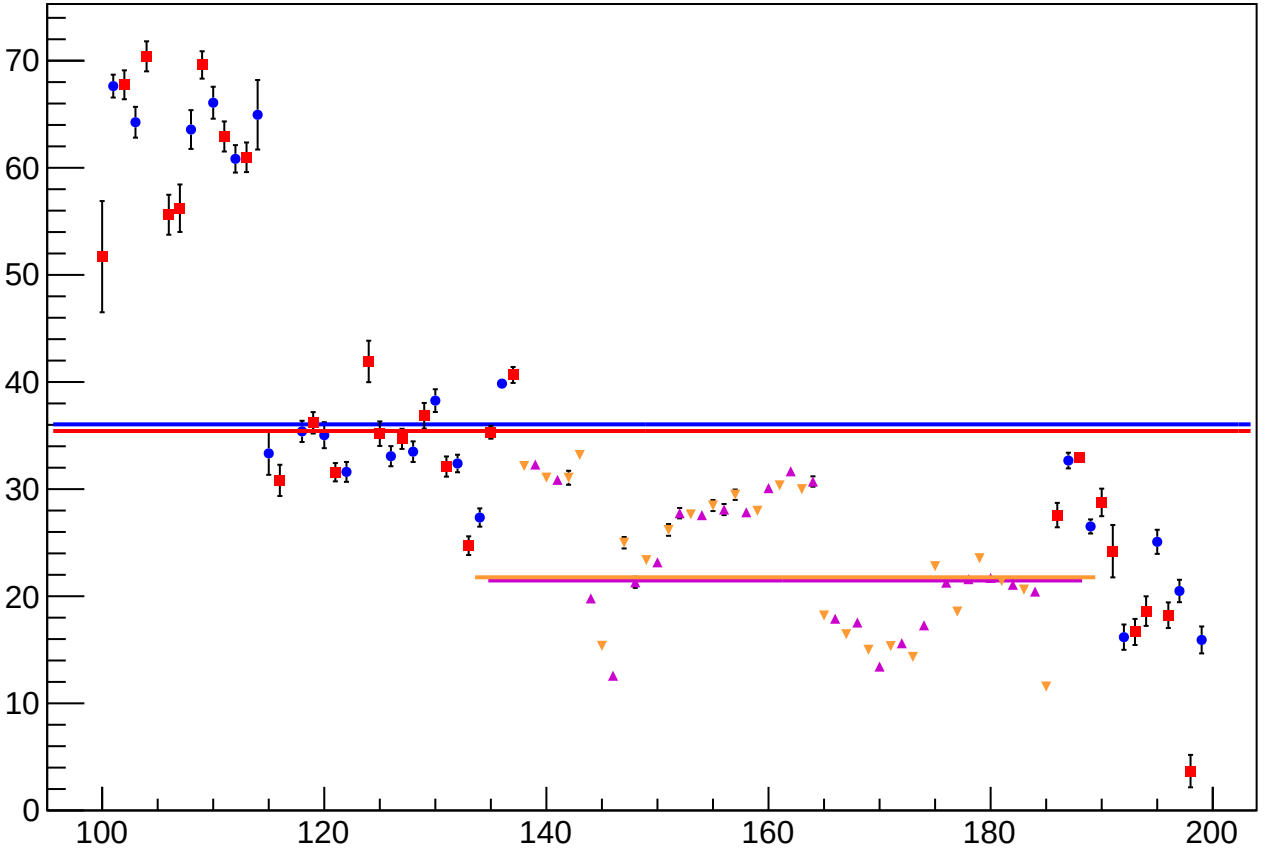
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.183+/-0.053 χ^2/NDF: 4069.0/46

All: -2.128+/-0.038 χ^2/NDF: 9214.8/96

- sign -2.071+/-0.054 χ^2/NDF: 5143.7/49

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 36.047+/-0.197 χ^2/NDF: 3704.1/21

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 35.427+/-0.187 χ^2/NDF: 4287.0/26

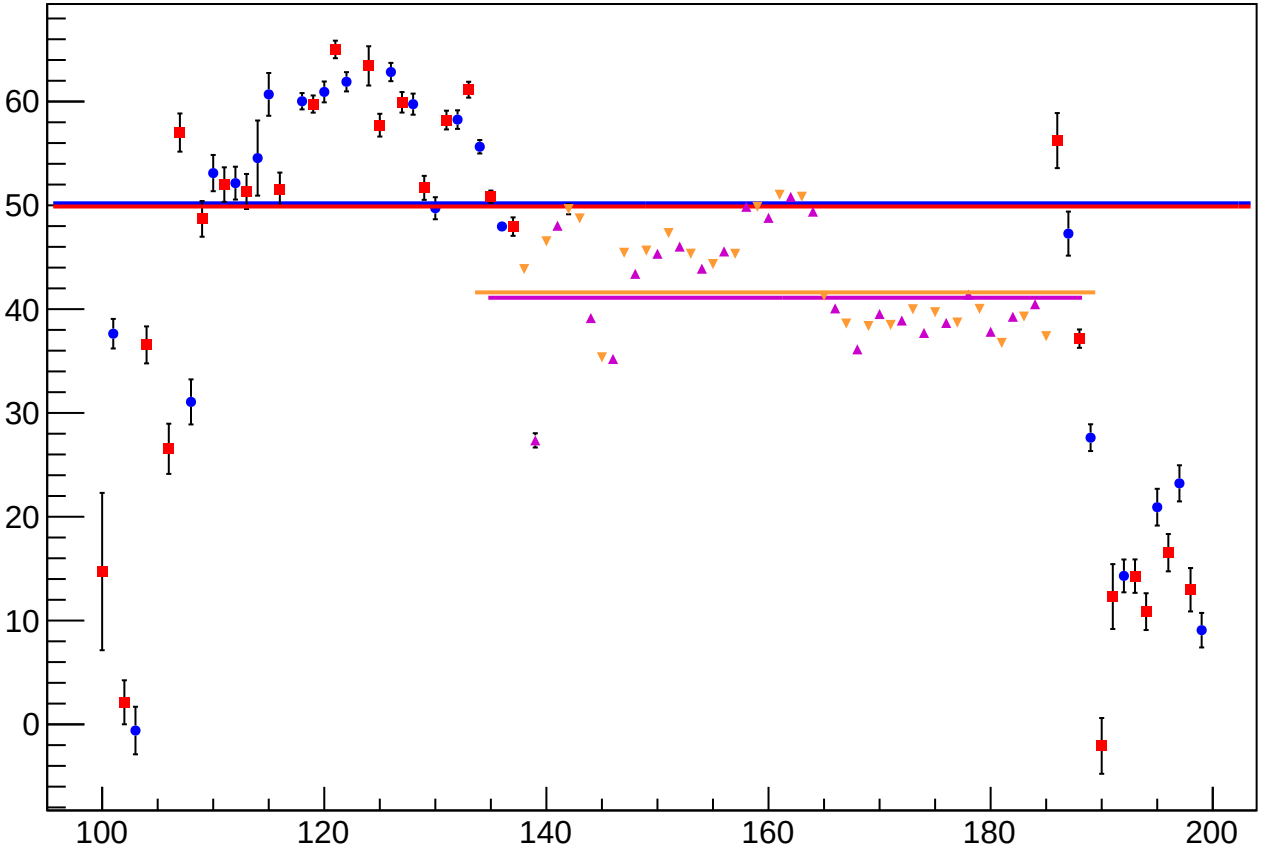
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.330+/-0.065 χ^2/NDF: 15220.9/46

All: 23.271+/-0.046 χ^2/NDF: 30164.3/96

- sign 23.211+/-0.066 χ^2/NDF: 14941.8/49

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 50.194+/-0.225 χ^2/NDF: 3526.9/21

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 49.887+/-0.235 χ^2/NDF: 4036.8/26

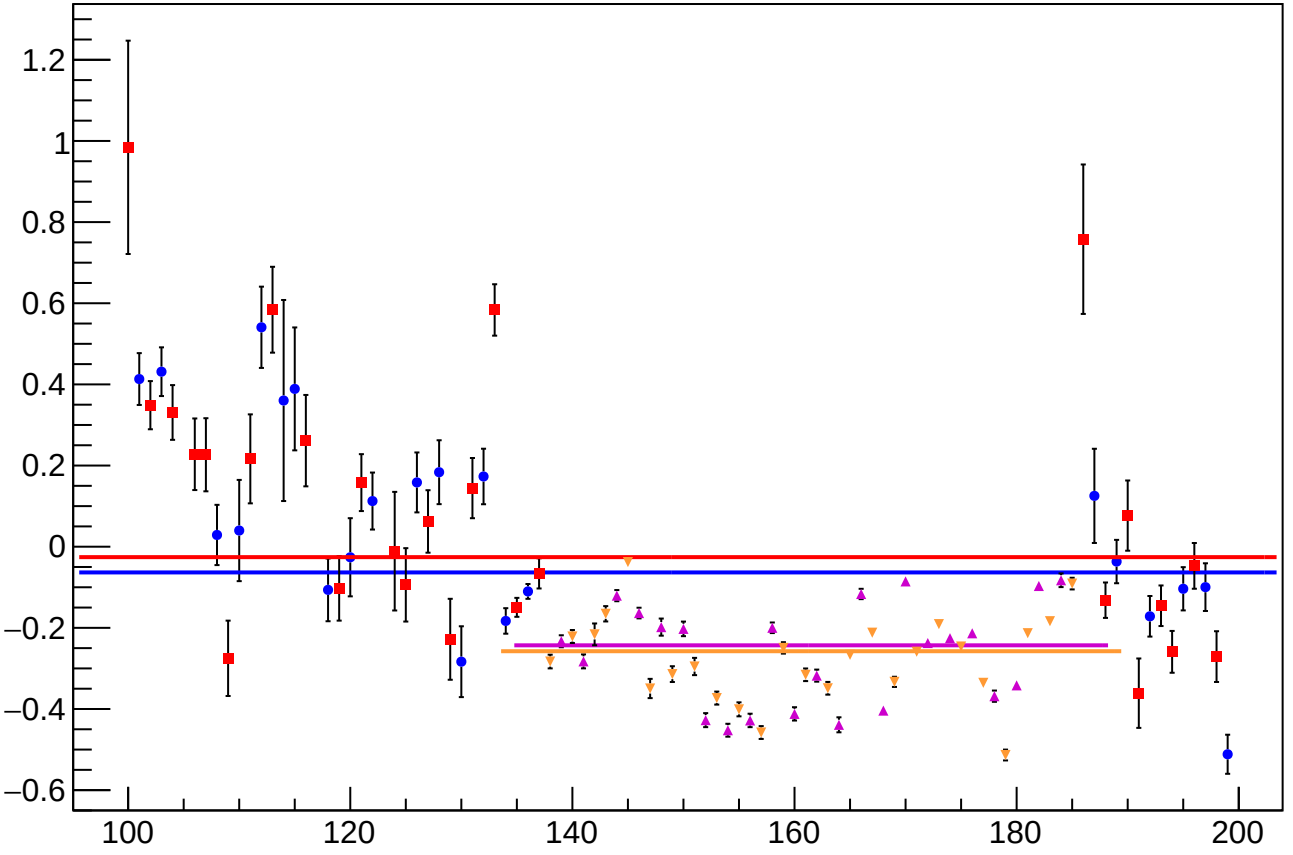
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.205+/-0.059 χ^2/NDF: 10656.0/46

All: 41.950+/-0.042 χ^2/NDF: 21517.4/96

- sign 41.682+/-0.061 χ^2/NDF: 10823.3/49

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.063+/-0.011 χ^2/NDF: 334.1/21

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

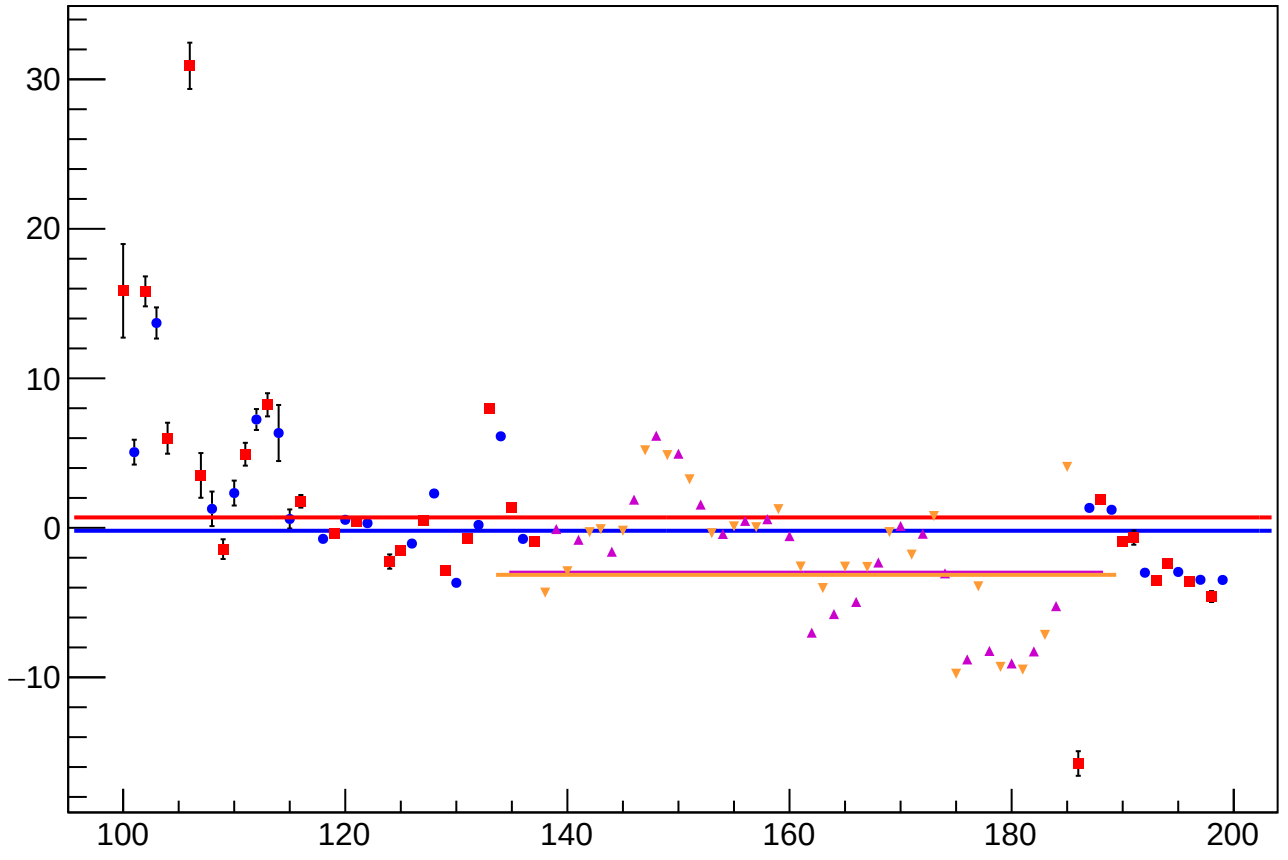
Right Out: -0.026+/-0.012 χ^2/NDF: 373.8/26

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.247+/-0.003 χ^2/NDF: 2133.9/46

All: -0.239+/-0.002 χ^2/NDF: 4653.0/96

- sign -0.232+/-0.003 χ^2/NDF: 2503.4/49



Right In: -0.196+/-0.064 χ^2/NDF: 1635.4/21

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.697+/-0.059 χ^2/NDF: 3795.7/26

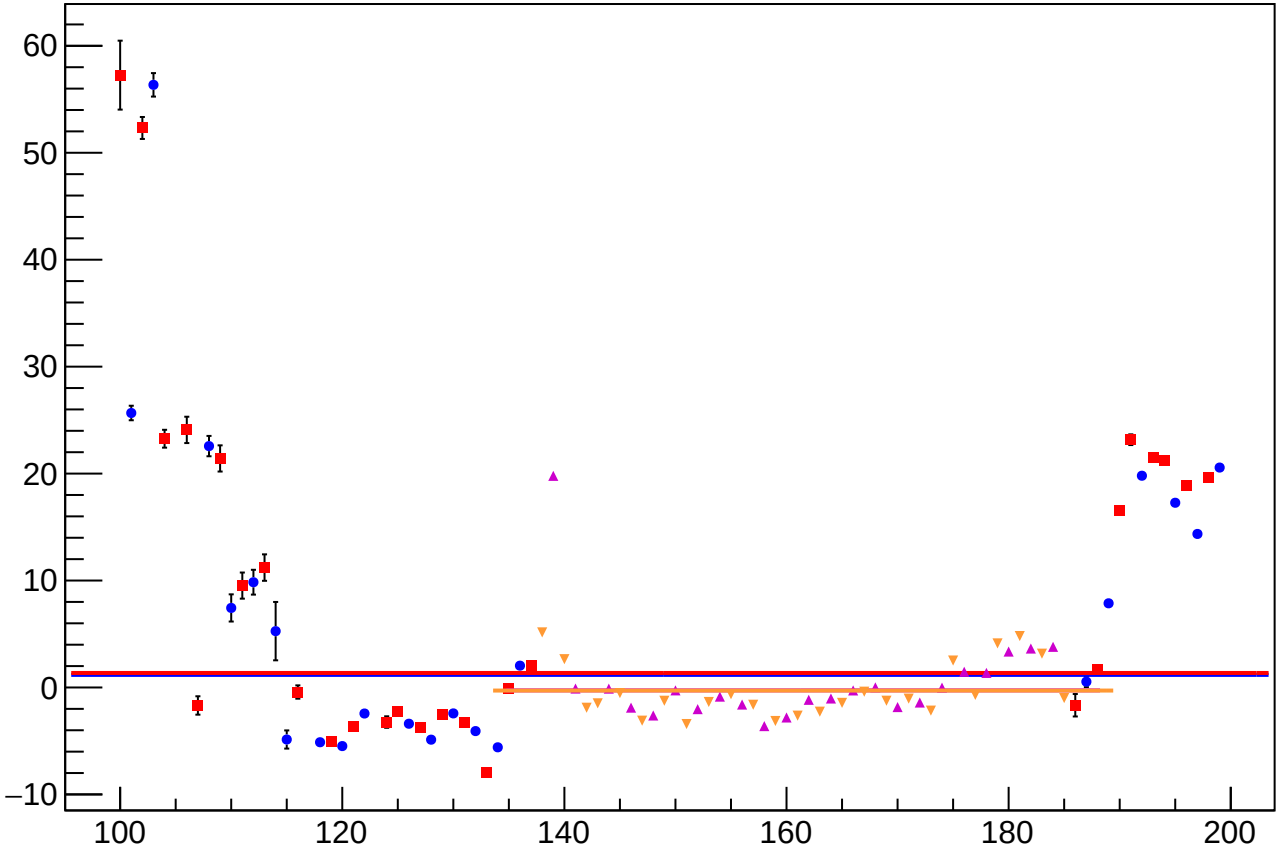
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.682+/-0.025 χ^2/NDF: 28767.9/46

All: -2.489+/-0.018 χ^2/NDF: 58317.2/96

- sign -2.295+/-0.026 χ^2/NDF: 29434.5/49

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 1.178+/-0.062 χ^2/NDF: 22447.4/21

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 1.357+/-0.059 χ^2/NDF: 29938.8/26

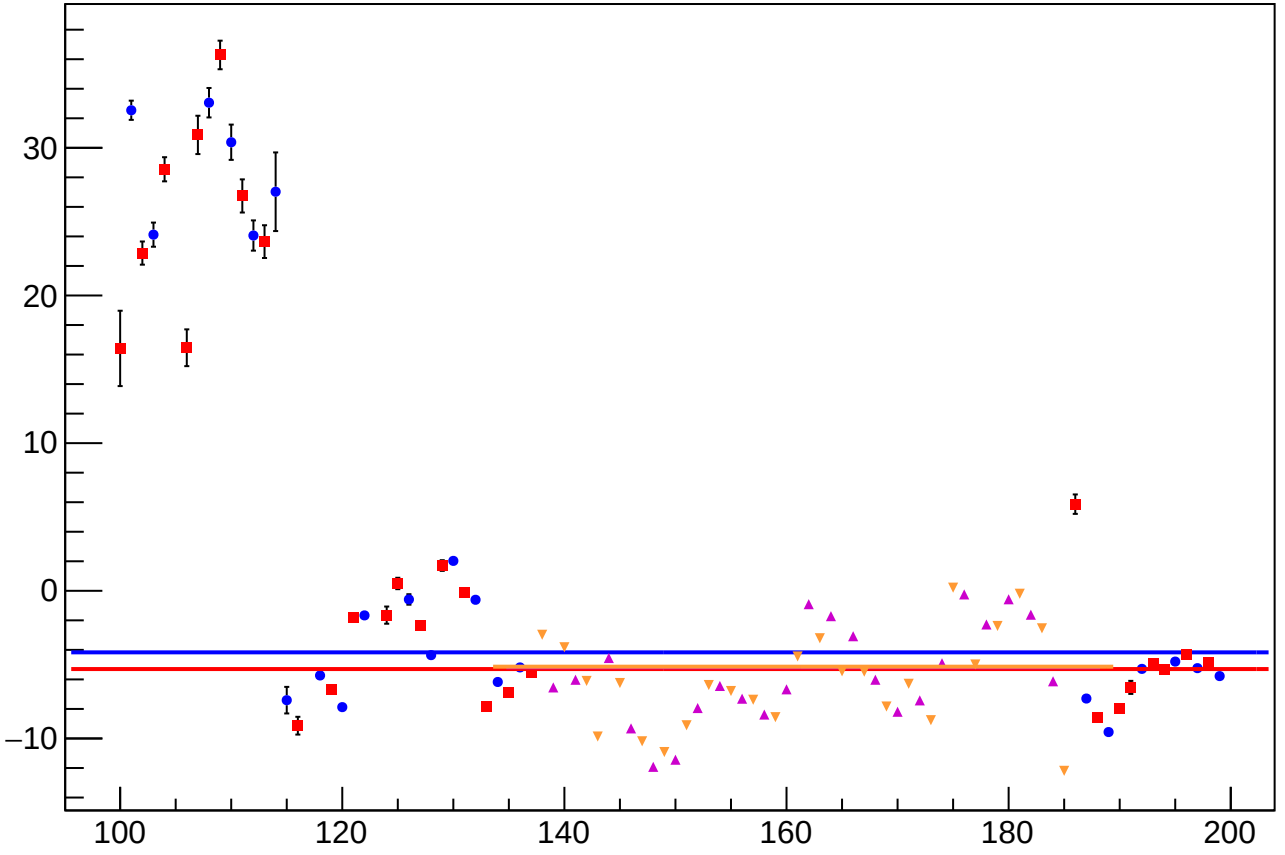
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

\+ sign -0.127+/-0.021 χ^2/NDF: 35139.9/46

All: -0.099+/-0.015 χ^2/NDF: 78963.2/96

\- sign -0.070+/-0.021 χ^2/NDF: 43819.5/49

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.168+/-0.064 χ^2/NDF: 9376.3/21

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.298+/-0.056 χ^2/NDF: 10479.2/26

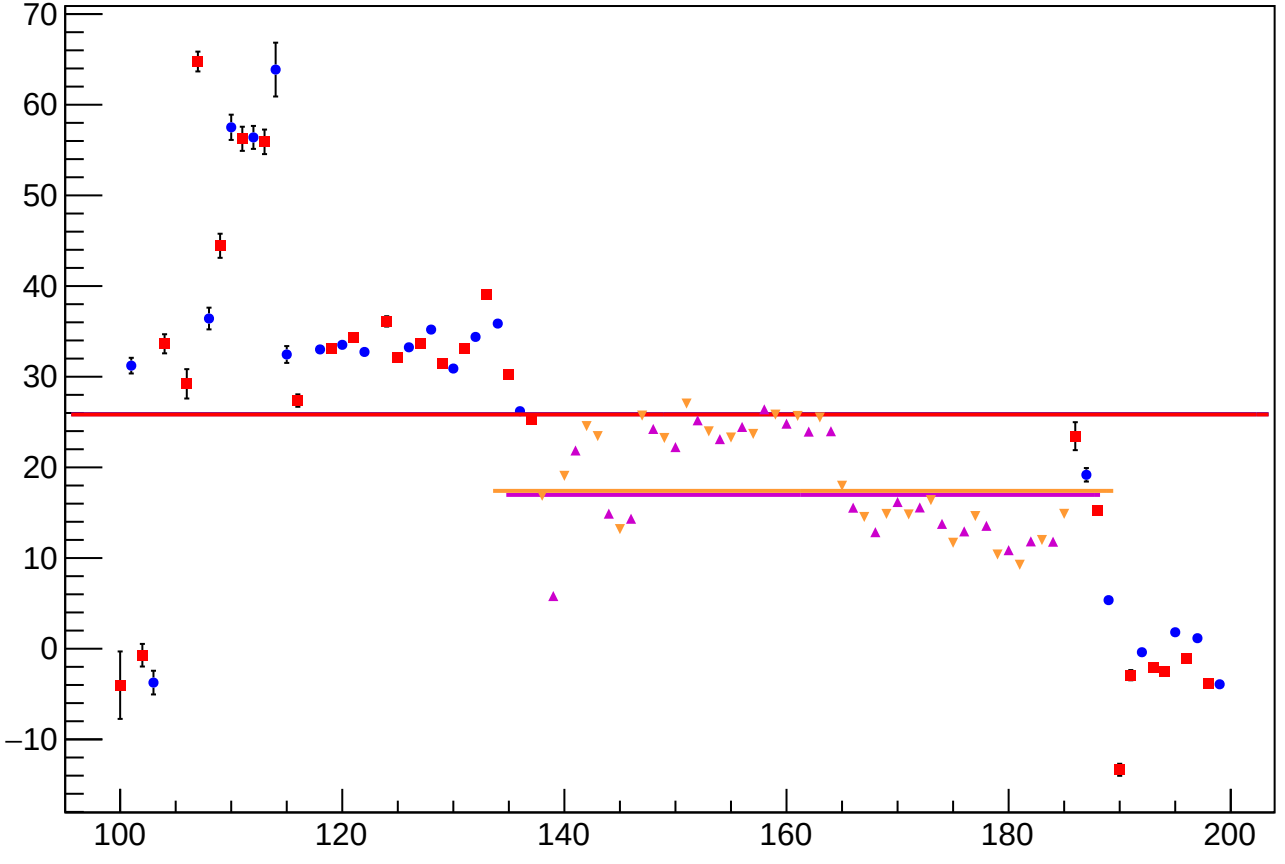
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.984+/-0.025 χ^2/NDF: 24195.6/46

All: -5.094+/-0.018 χ^2/NDF: 48678.9/96

- sign -5.202+/-0.025 χ^2/NDF: 24446.6/49

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 25.867+/-0.073 χ^2/NDF: 32553.1/21

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 25.837+/-0.070 χ^2/NDF: 45757.2/26

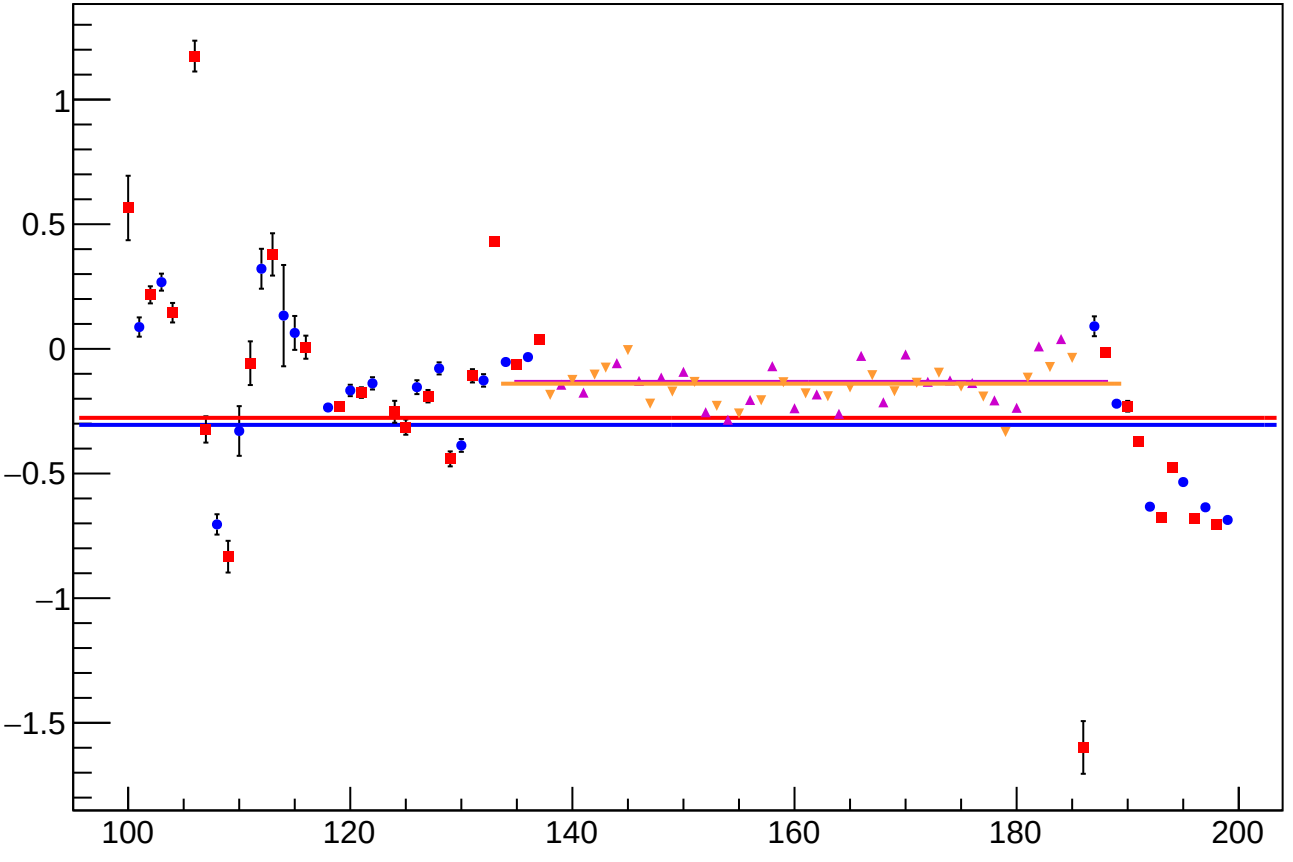
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.271+/-0.023 χ^2/NDF: 95380.4/46

All: 18.119+/-0.017 χ^2/NDF: 195270.9/96

- sign 17.962+/-0.024 χ^2/NDF: 99803.0/49

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.305+/-0.004 χ^2/NDF: 6263.2/21

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.277+/-0.003 χ^2/NDF: 9507.3/26

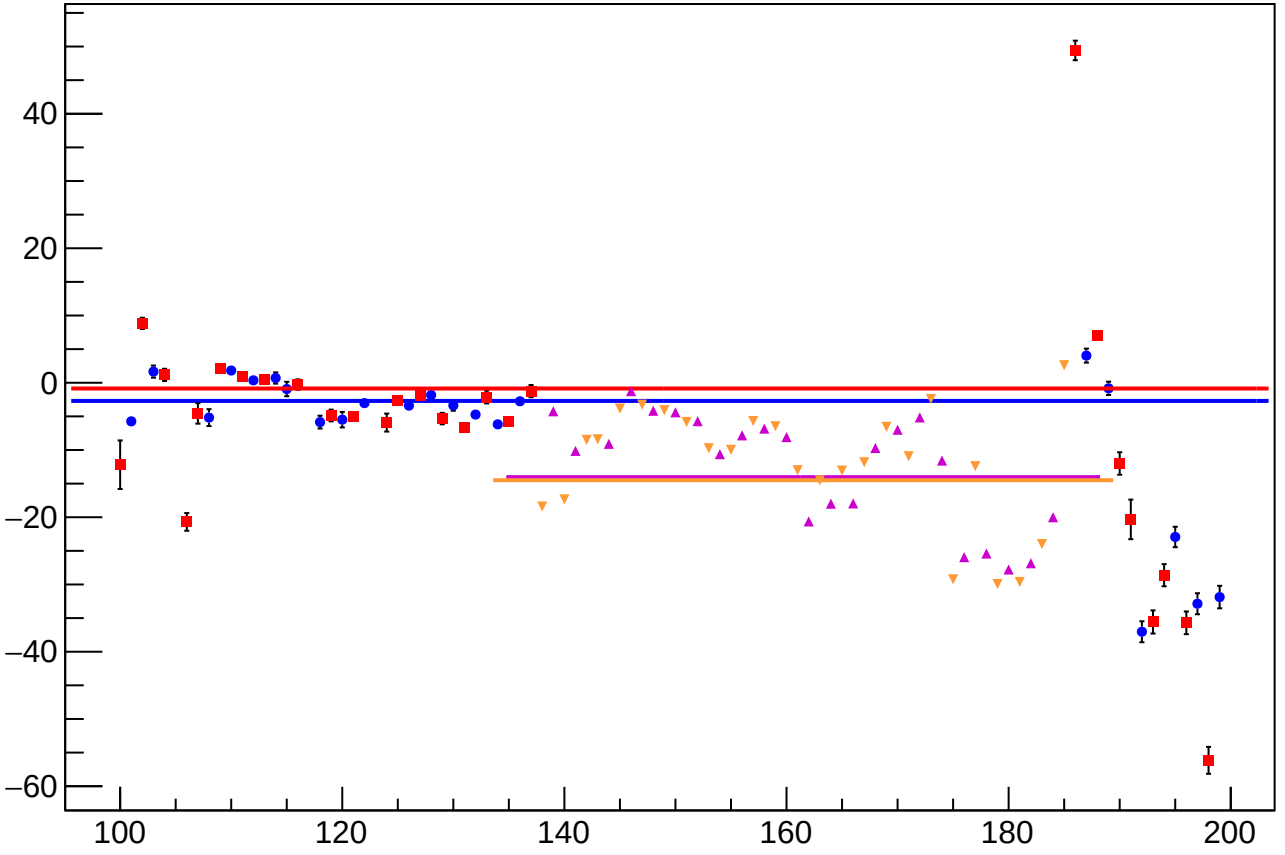
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.154+/-0.001 χ^2/NDF: 12374.9/46

All: -0.150+/-0.001 χ^2/NDF: 29029.3/96

- sign -0.146+/-0.001 χ^2/NDF: 16625.4/49

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -2.702+/-0.151 χ^2/NDF: 1716.5/21

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -0.856+/-0.140 χ^2/NDF: 4124.6/26

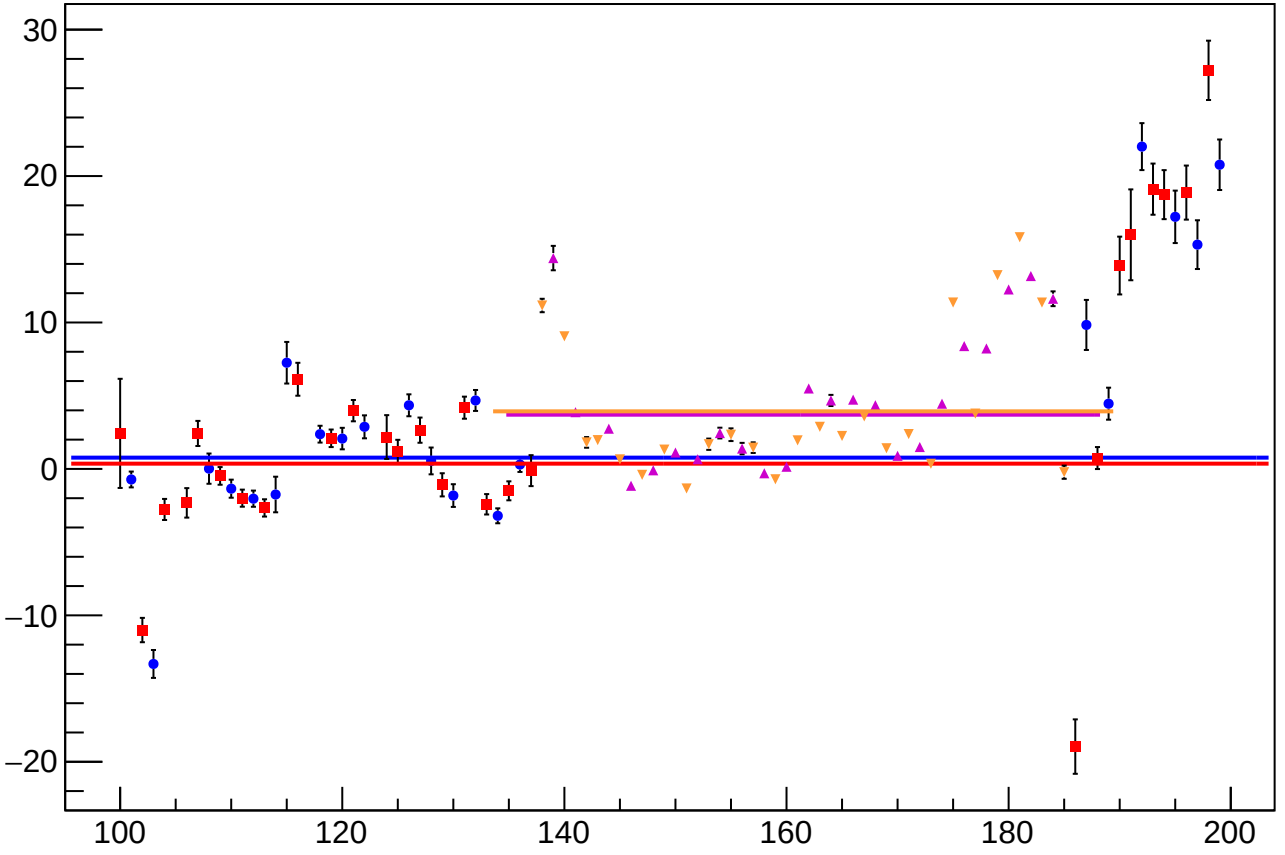
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.164+/-0.067 χ^2/NDF: 23865.2/46

All: -11.573+/-0.047 χ^2/NDF: 48467.1/96

- sign -10.977+/-0.067 χ^2/NDF: 24445.6/49

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.770+/-0.167 χ^2/NDF: 943.0/21

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

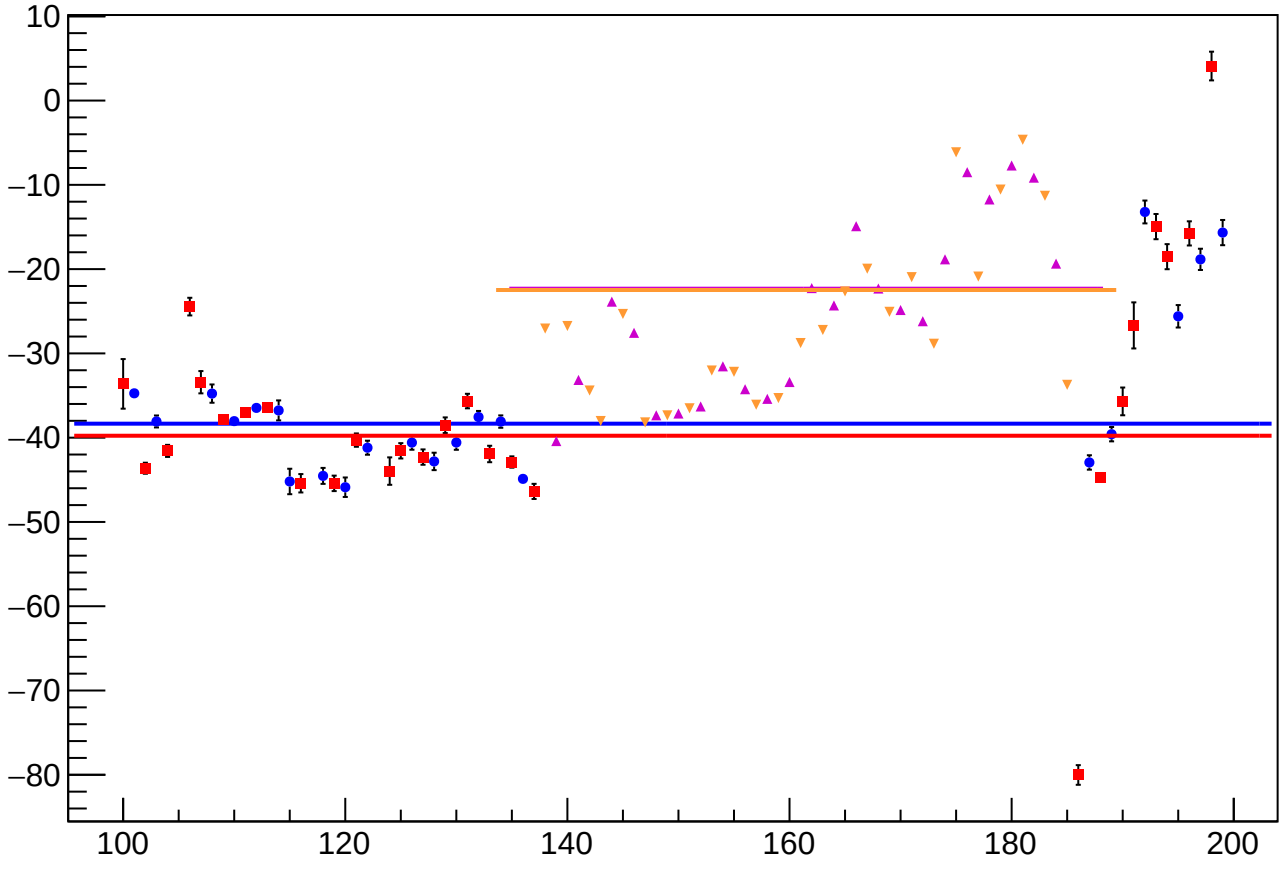
Right Out: 0.359+/-0.168 χ^2/NDF: 1078.4/26

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

\+ sign 3.591+/-0.055 χ^2/NDF: 8243.2/46

All: 3.465+/-0.039 χ^2/NDF: 14473.8/96

\- sign 3.332+/-0.056 χ^2/NDF: 6219.6/49



Right In: -38.339+/-0.167 χ^2/NDF: 1384.5/21

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.770+/-0.160 χ^2/NDF: 3334.3/26

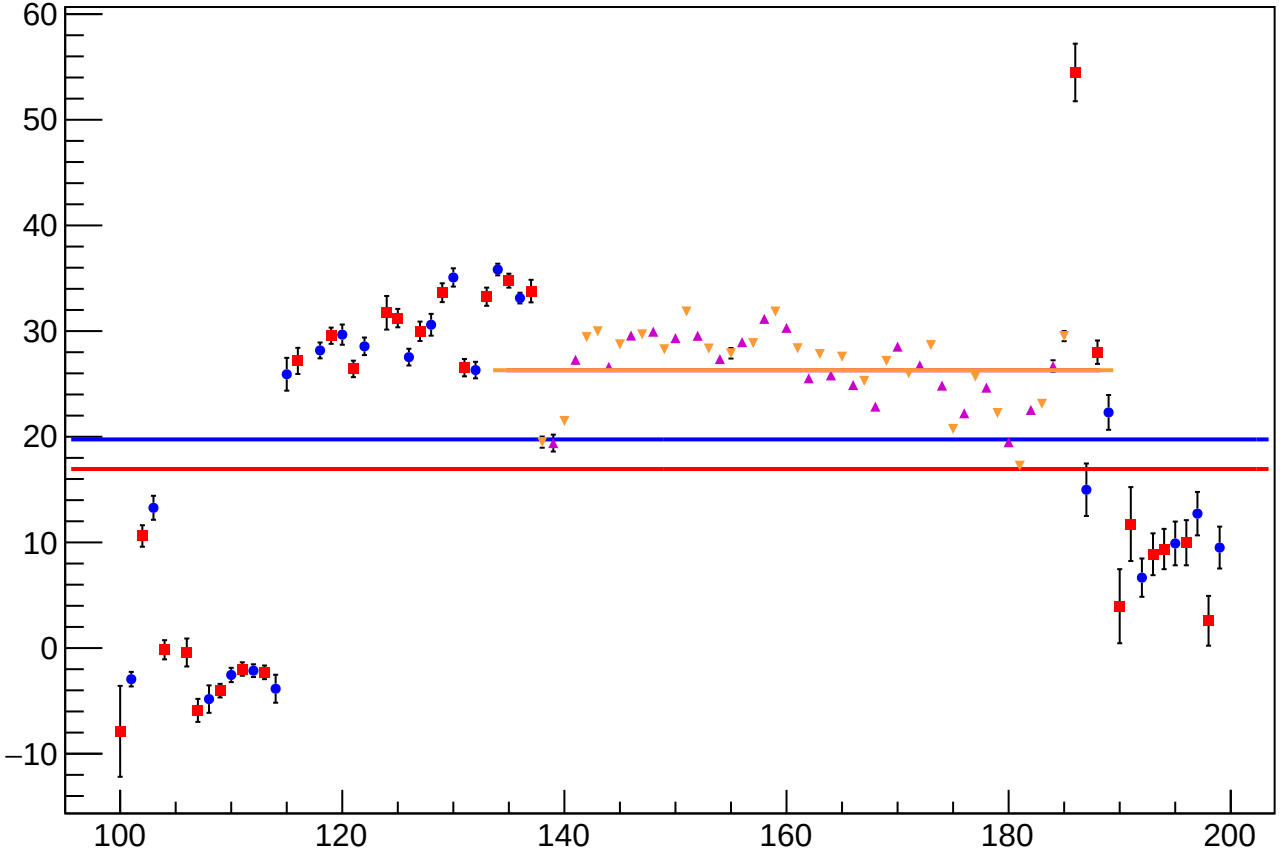
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.119+/-0.068 χ^2/NDF: 29291.6/46

All: -25.339+/-0.049 χ^2/NDF: 59431.1/96

\- sign -25.565+/-0.069 χ^2/NDF: 30118.4/49

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.747+/-0.189 χ^2/NDF: 6807.7/21

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.948+/-0.192 χ^2/NDF: 7125.3/26

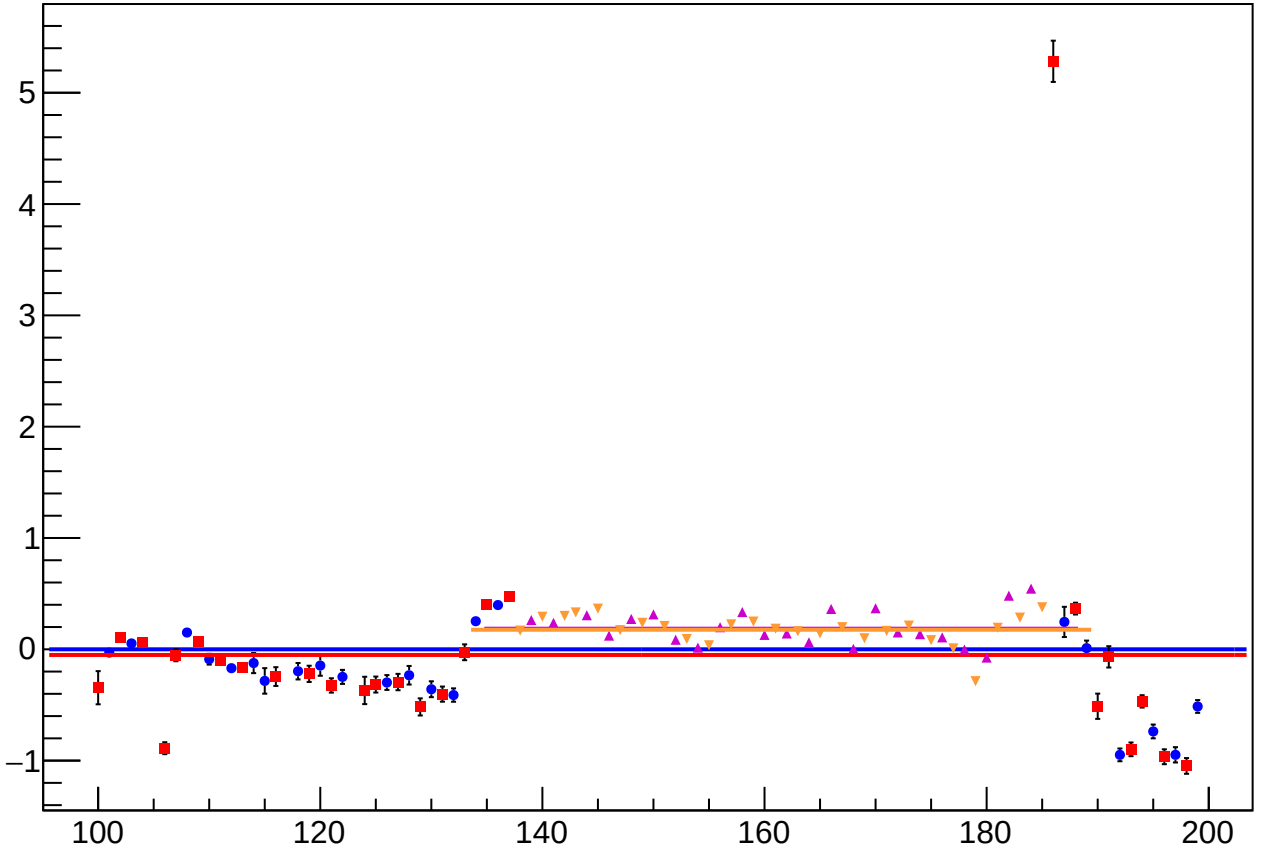
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.603+/-0.062 χ^2/NDF: 11186.8/46

All: 25.449+/-0.044 χ^2/NDF: 22624.0/96

- sign 25.288+/-0.063 χ^2/NDF: 11424.3/49

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.000+/-0.010 χ^2/NDF: 1325.4/21

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.051+/-0.010 χ^2/NDF: 2403.3/26

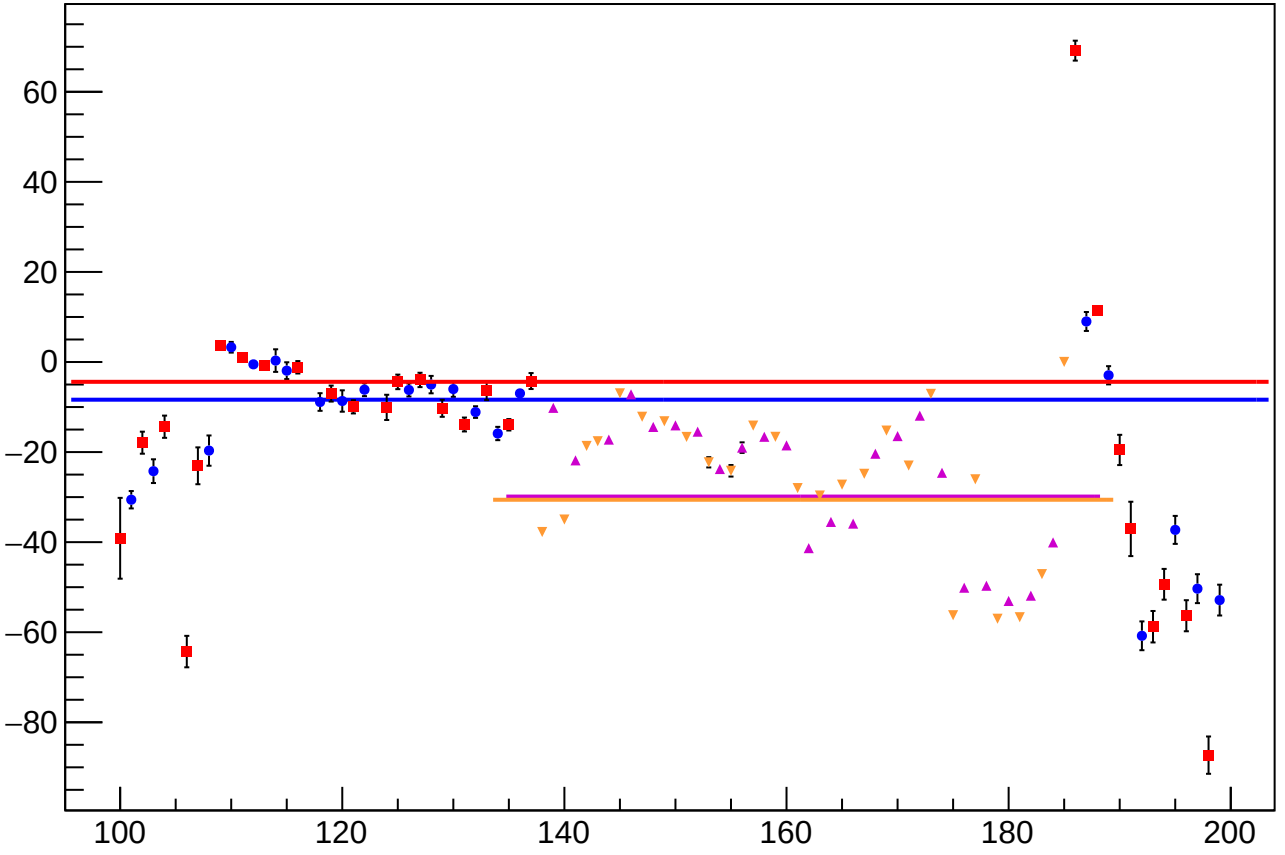
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.161+/-0.003 χ^2/NDF: 3560.7/46

All: 0.164+/-0.002 χ^2/NDF: 9006.7/96

- sign 0.166+/-0.003 χ^2/NDF: 5444.5/49

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -8.369+/-0.355 χ^2/NDF: 1177.0/21

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -4.399+/-0.337 χ^2/NDF: 3010.5/26

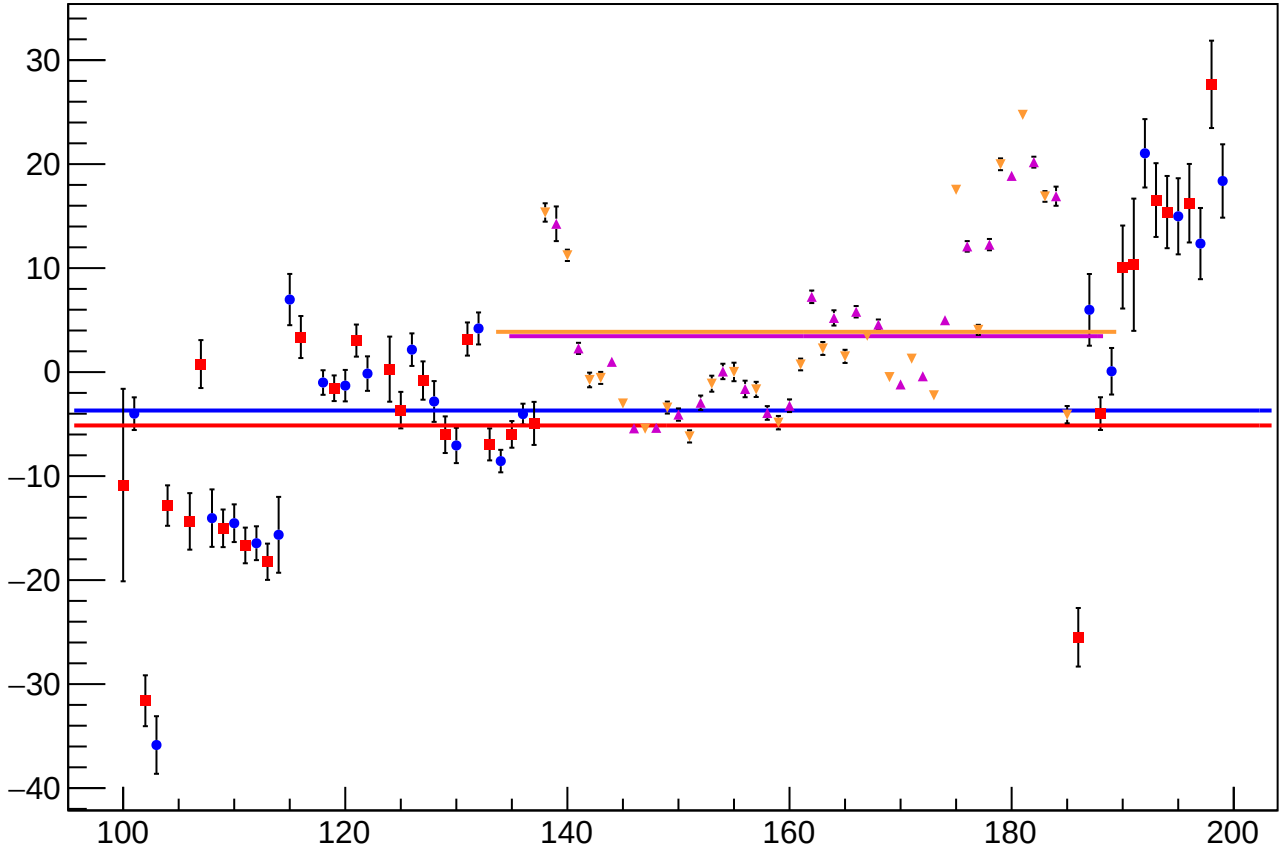
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

\+ sign -27.515+/-0.132 χ^2/NDF: 20601.3/46

All: -26.697+/-0.094 χ^2/NDF: 40525.0/96

\- sign -25.850+/-0.134 χ^2/NDF: 19845.4/49

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.693+/-0.378 χ^2/NDF: 507.2/21

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -5.130+/-0.387 χ^2/NDF: 613.9/26

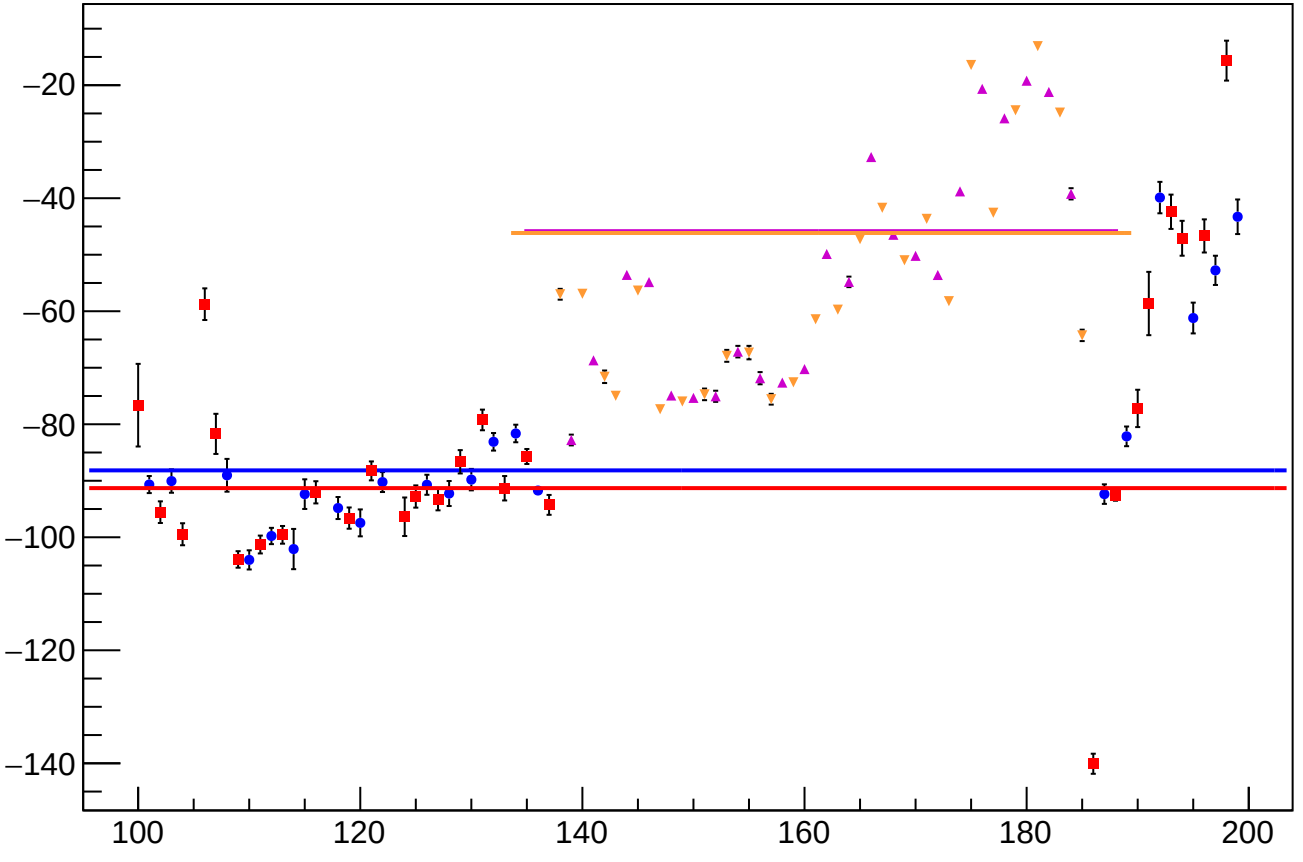
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.269+/-0.107 χ^2/NDF: 7418.8/46

All: 3.026+/-0.076 χ^2/NDF: 13189.4/96

- sign 2.772+/-0.109 χ^2/NDF: 5760.0/49

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -88.163+/-0.385 χ^2/NDF: 1072.7/21

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -91.302+/-0.371 χ^2/NDF: 2358.2/26

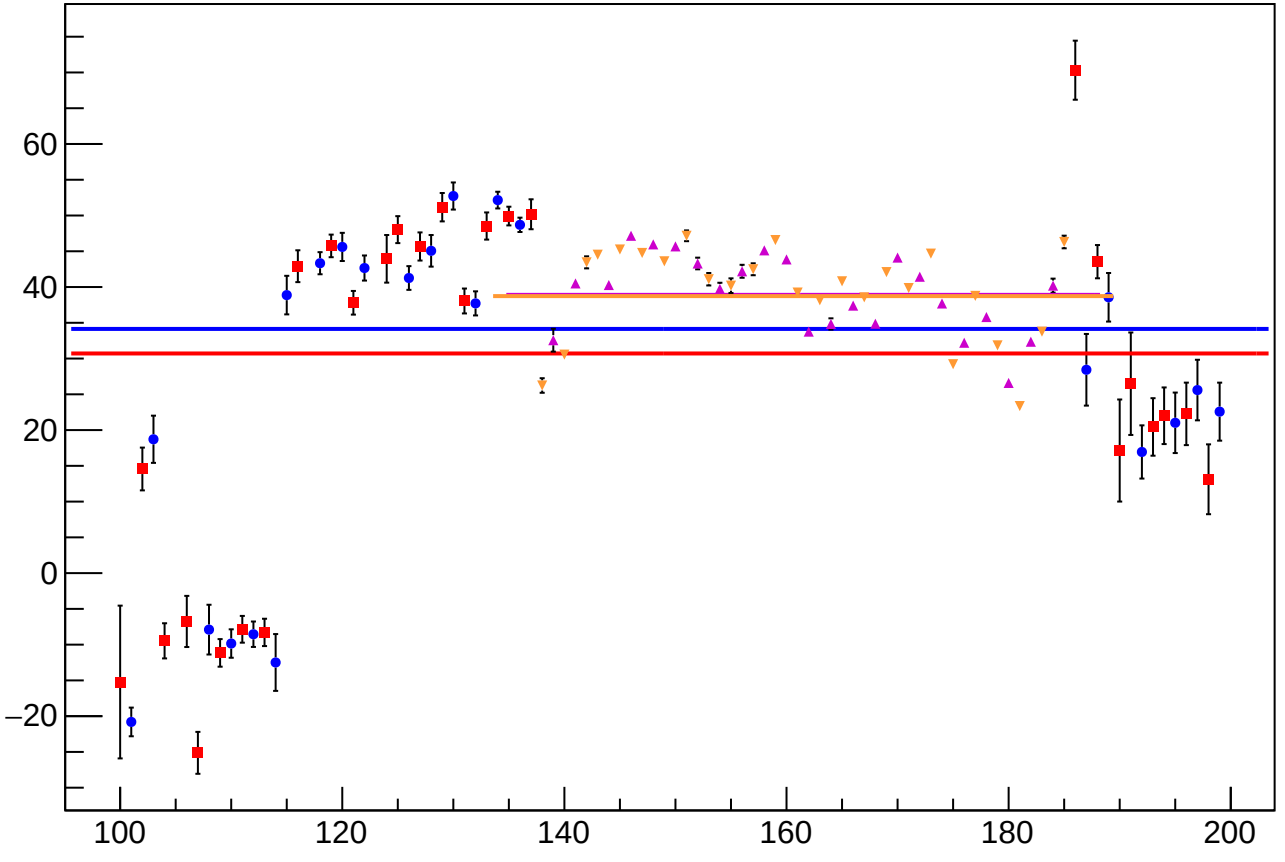
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.208+/-0.134 χ^2/NDF: 33000.6/46

All: -51.567+/-0.095 χ^2/NDF: 66315.8/96

- sign -51.937+/-0.136 χ^2/NDF: 33300.6/49

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.143+/-0.427 χ^2/NDF: 2857.1/21

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.710+/-0.443 χ^2/NDF: 3066.6/26

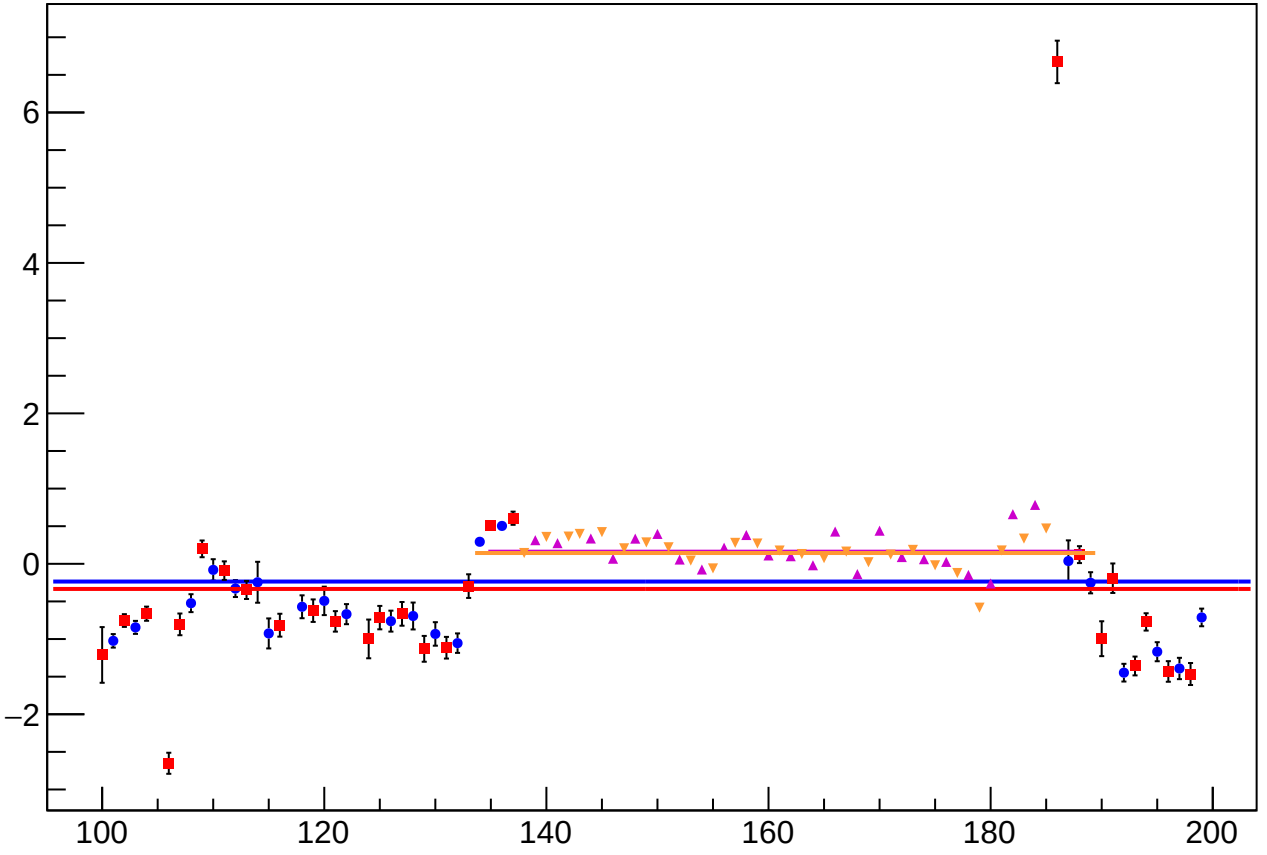
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.370+/-0.120 χ^2/NDF: 5745.3/46

All: 38.326+/-0.086 χ^2/NDF: 11099.3/96

- sign 38.280+/-0.123 χ^2/NDF: 5353.7/49

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.236+/-0.022 χ^2/NDF: 907.4/21

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

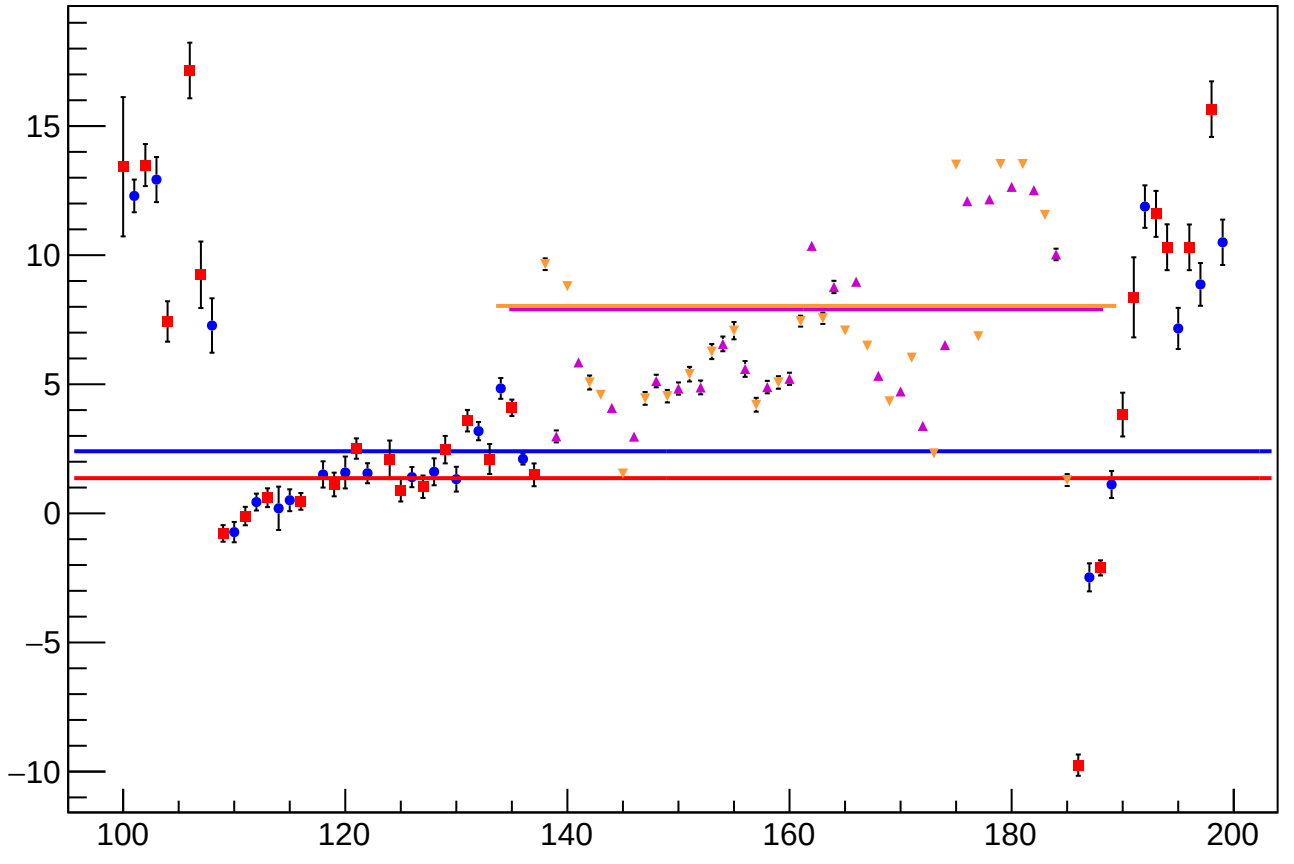
Right Out: -0.334+/-0.023 χ^2/NDF: 1674.5/26

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.121+/-0.005 χ^2/NDF: 2628.1/46

All: 0.127+/-0.004 χ^2/NDF: 6645.2/96

- sign 0.134+/-0.006 χ^2/NDF: 4014.4/49



Right In: 2.405+/-0.098 χ^2/NDF: 1004.5/21

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.364+/-0.094 χ^2/NDF: 2153.7/26

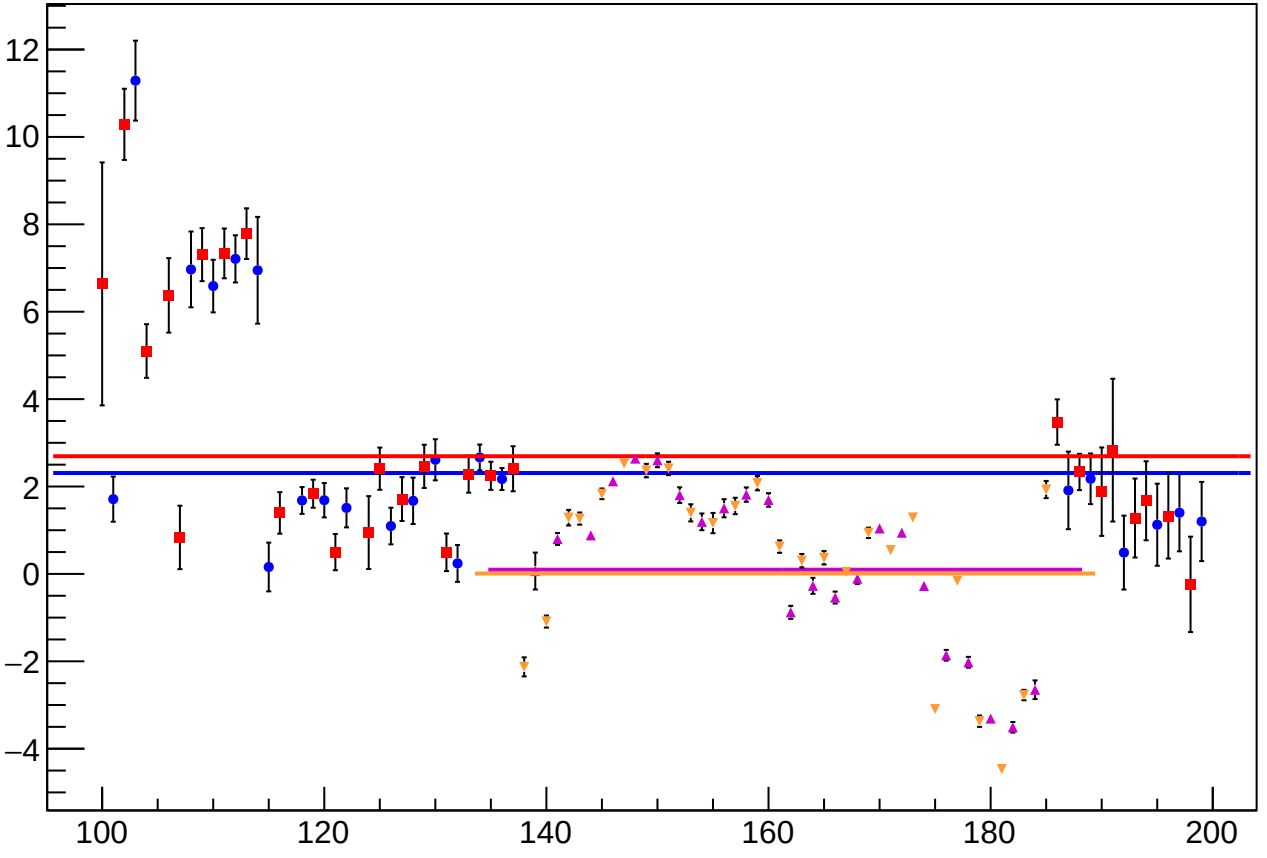
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.409+/-0.033 χ^2/NDF: 17845.3/46

All: 7.243+/-0.023 χ^2/NDF: 34317.5/96

- sign 7.070+/-0.033 χ^2/NDF: 16419.8/49

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.309+/-0.103 χ^2/NDF: 343.6/21

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.693+/-0.106 χ^2/NDF: 428.2/26

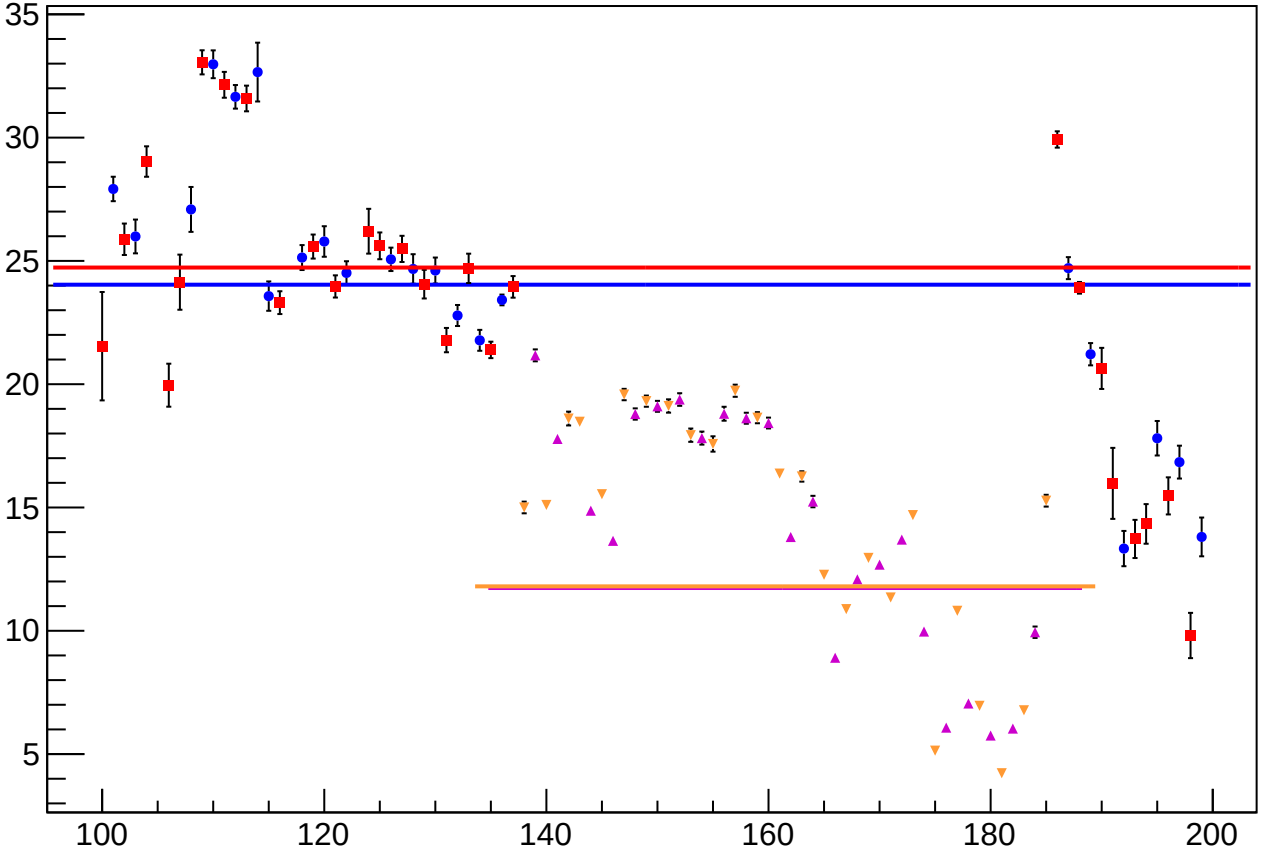
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.162+/-0.027 χ^2/NDF: 6571.3/46

All: 0.214+/-0.019 χ^2/NDF: 12005.3/96

- sign 0.268+/-0.027 χ^2/NDF: 5426.1/49

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 24.035+/-0.105 χ^2/NDF: 1334.4/21

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 24.731+/-0.100 χ^2/NDF: 2014.9/26

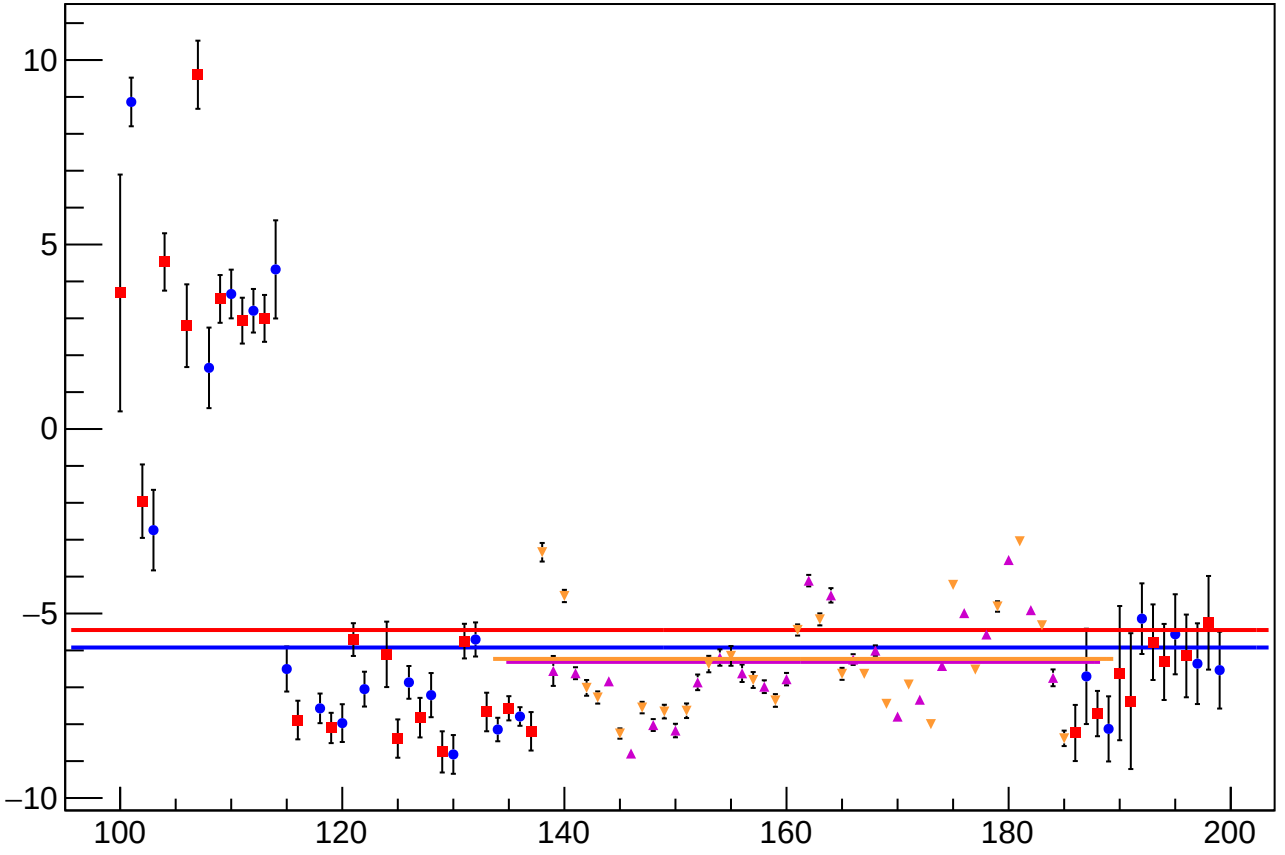
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.009+/-0.033 χ^2/NDF: 34977.5/46

All: 13.109+/-0.024 χ^2/NDF: 69992.0/96

- sign 13.213+/-0.034 χ^2/NDF: 34995.8/49

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.921+/-0.116 χ^2/NDF: 1259.4/21

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

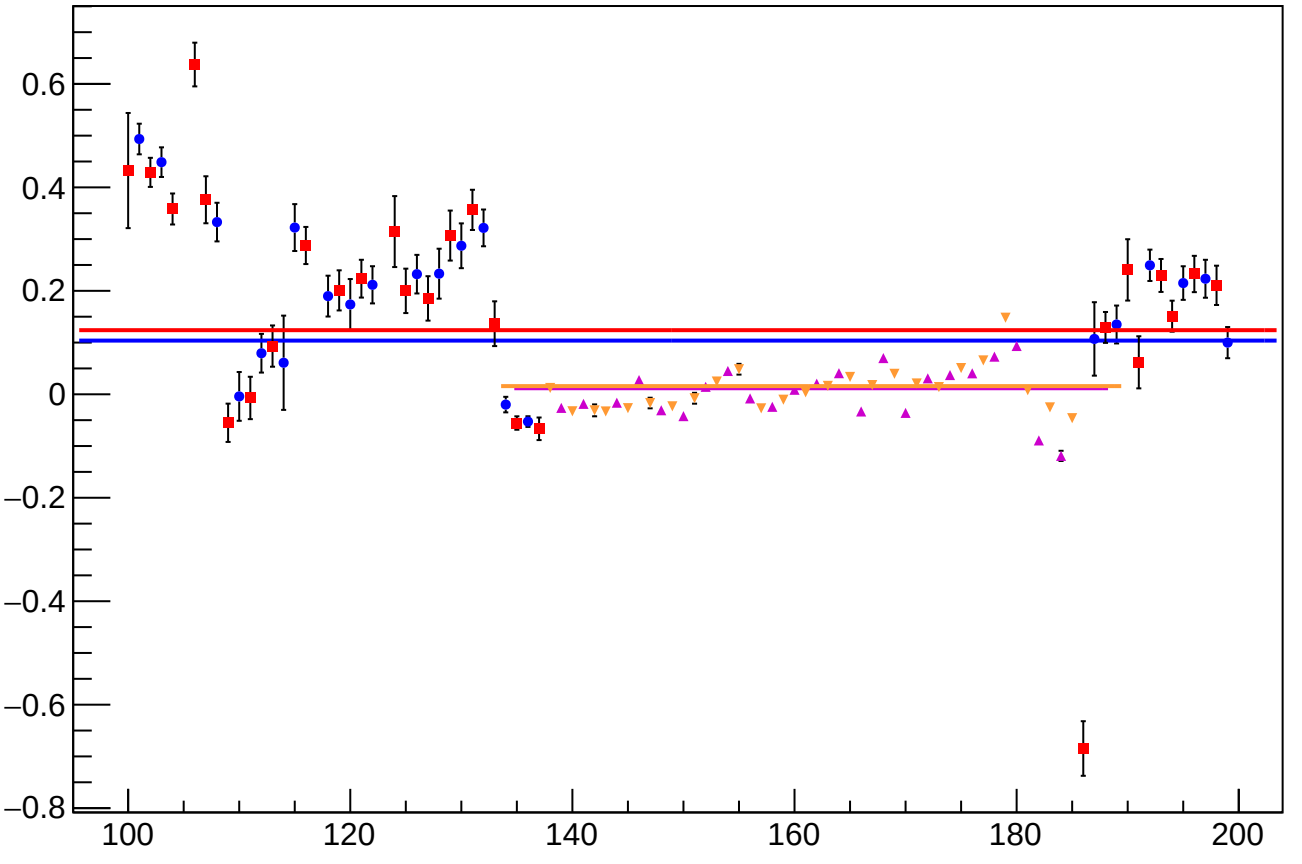
Right Out: -5.448+/-0.121 χ^2/NDF: 1324.7/26

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.210+/-0.030 χ^2/NDF: 3716.1/46

All: -6.233+/-0.021 χ^2/NDF: 7119.7/96

- sign -6.257+/-0.030 χ^2/NDF: 3402.4/49



Right In: 0.104+/-0.006 χ^2/NDF: 820.2/21

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.124+/-0.006 χ^2/NDF: 1029.2/26

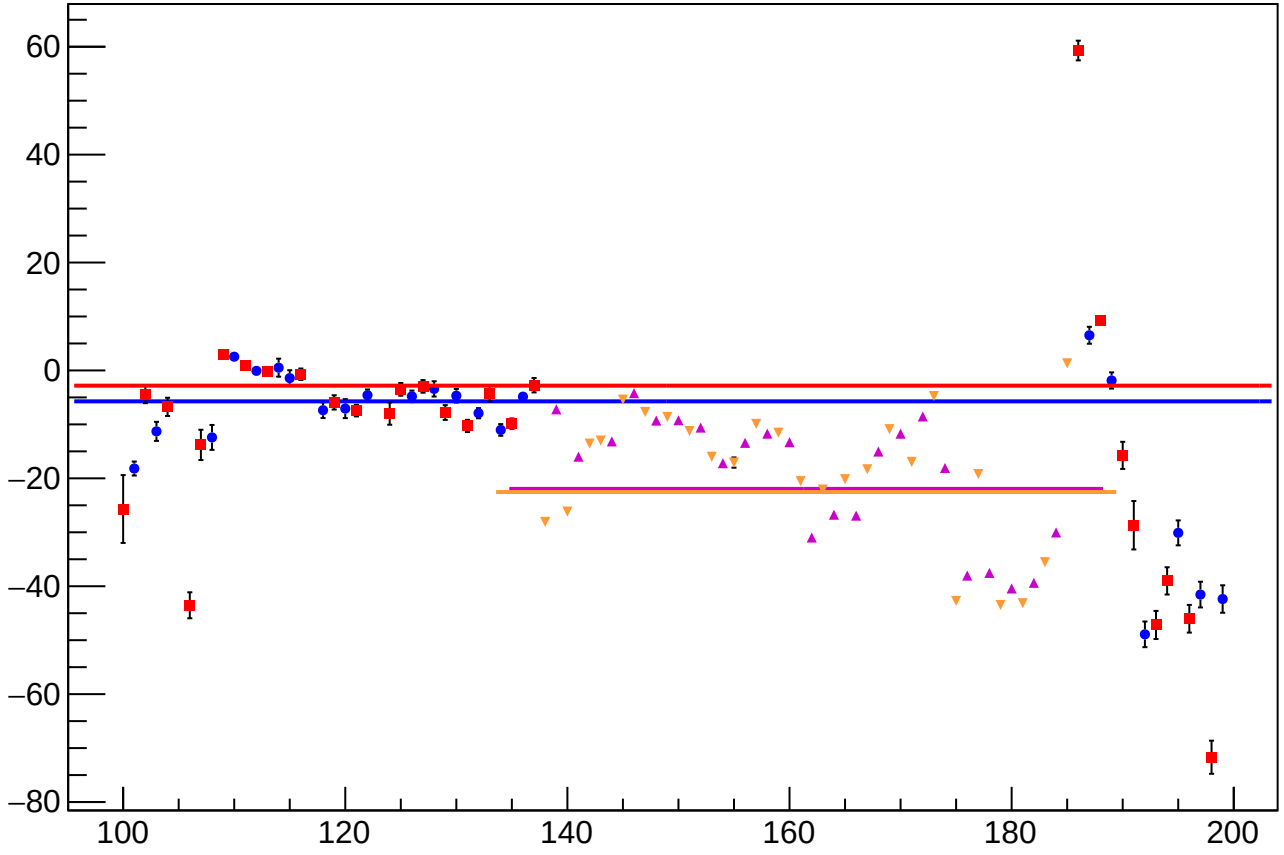
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.020+/-0.001 χ^2/NDF: 1958.5/46

All: 0.019+/-0.001 χ^2/NDF: 4581.3/96

- sign 0.017+/-0.001 χ^2/NDF: 2619.8/49

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -5.729+/-0.255 χ^2/NDF: 1295.2/21

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -2.821+/-0.241 χ^2/NDF: 3299.8/26

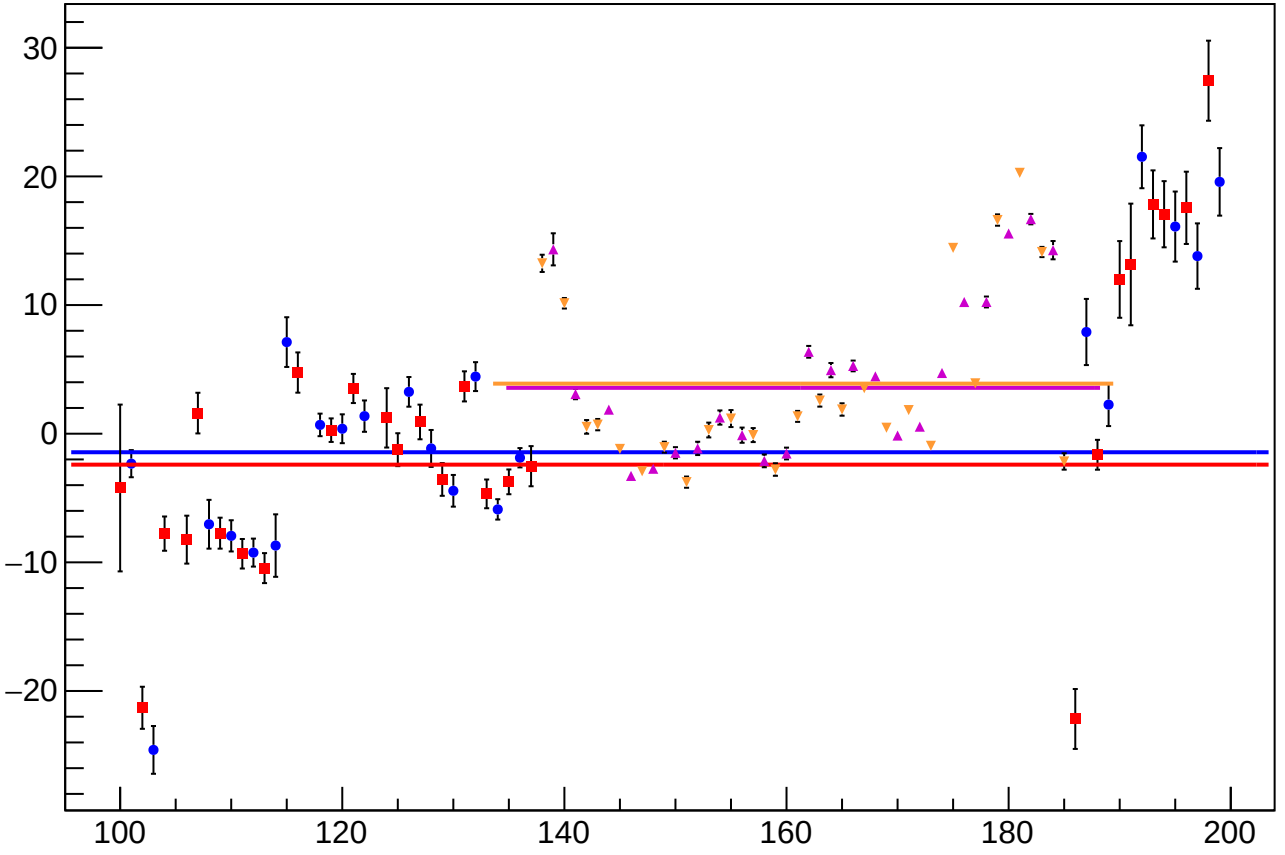
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.971+/-0.100 χ^2/NDF: 21527.2/46

All: -19.292+/-0.071 χ^2/NDF: 42713.9/96

- sign -18.594+/-0.101 χ^2/NDF: 21092.2/49

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.442+/-0.274 χ^2/NDF: 616.8/21

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

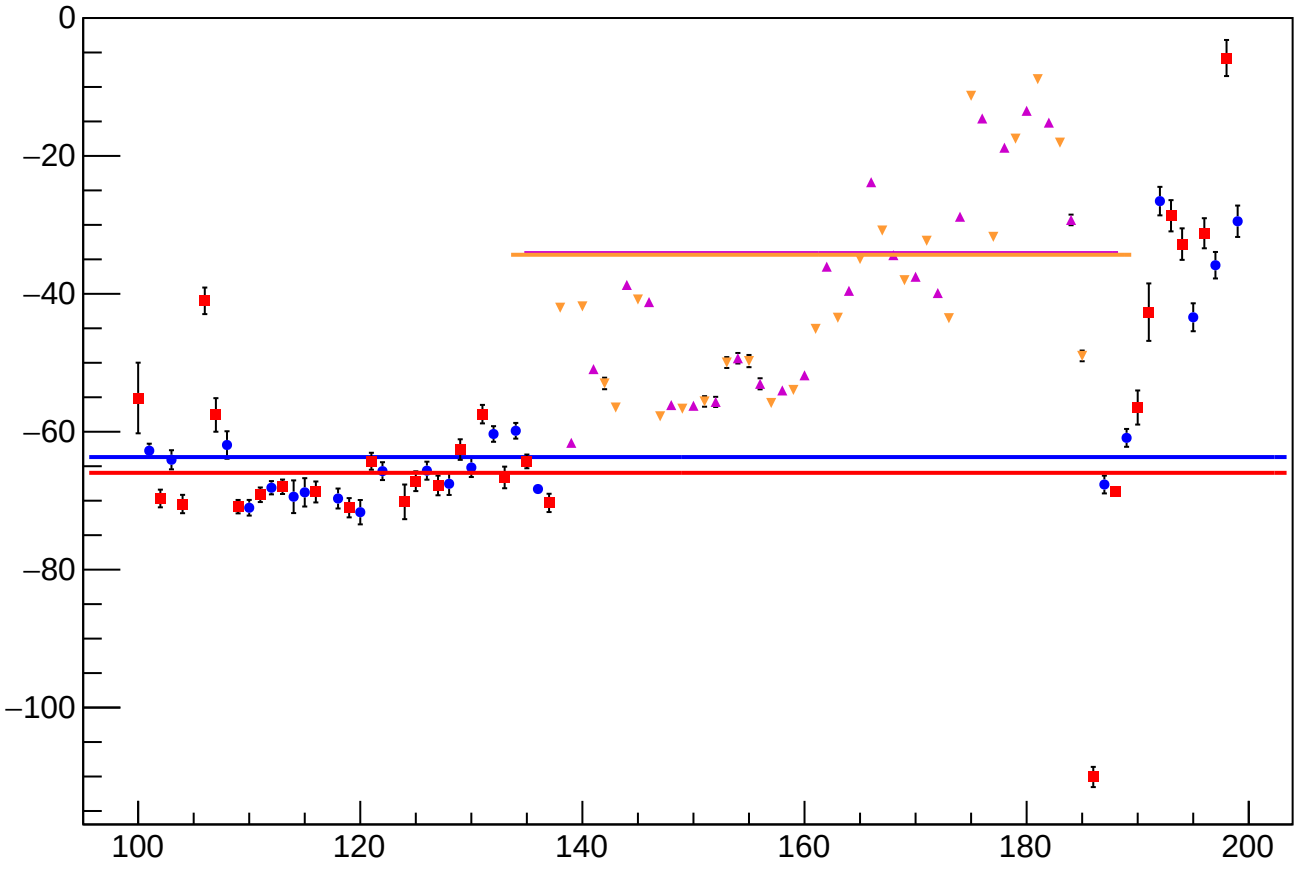
Right Out: -2.406+/-0.279 χ^2/NDF: 734.7/26

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.429+/-0.081 χ^2/NDF: 7688.0/46

All: 3.242+/-0.058 χ^2/NDF: 13590.2/96

- sign 3.047+/-0.082 χ^2/NDF: 5891.2/49



Right In: -63.673+/-0.278 χ^2/NDF: 1068.7/21

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -65.960+/-0.268 χ^2/NDF: 2556.8/26

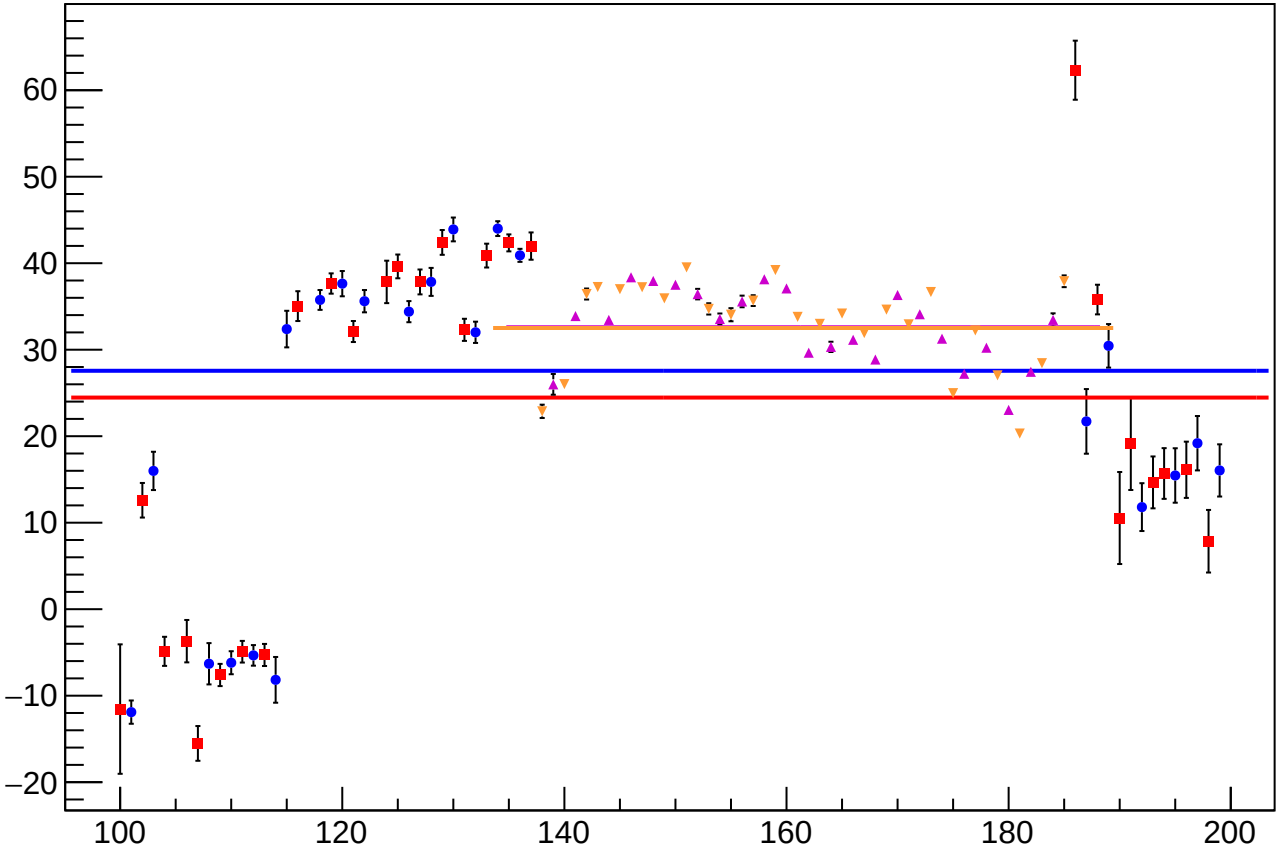
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.198+/-0.101 χ^2/NDF: 31939.3/46

All: -38.475+/-0.072 χ^2/NDF: 64327.3/96

- sign -38.761+/-0.102 χ^2/NDF: 32372.6/49

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.564+/-0.309 χ^2/NDF: 3803.4/21

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

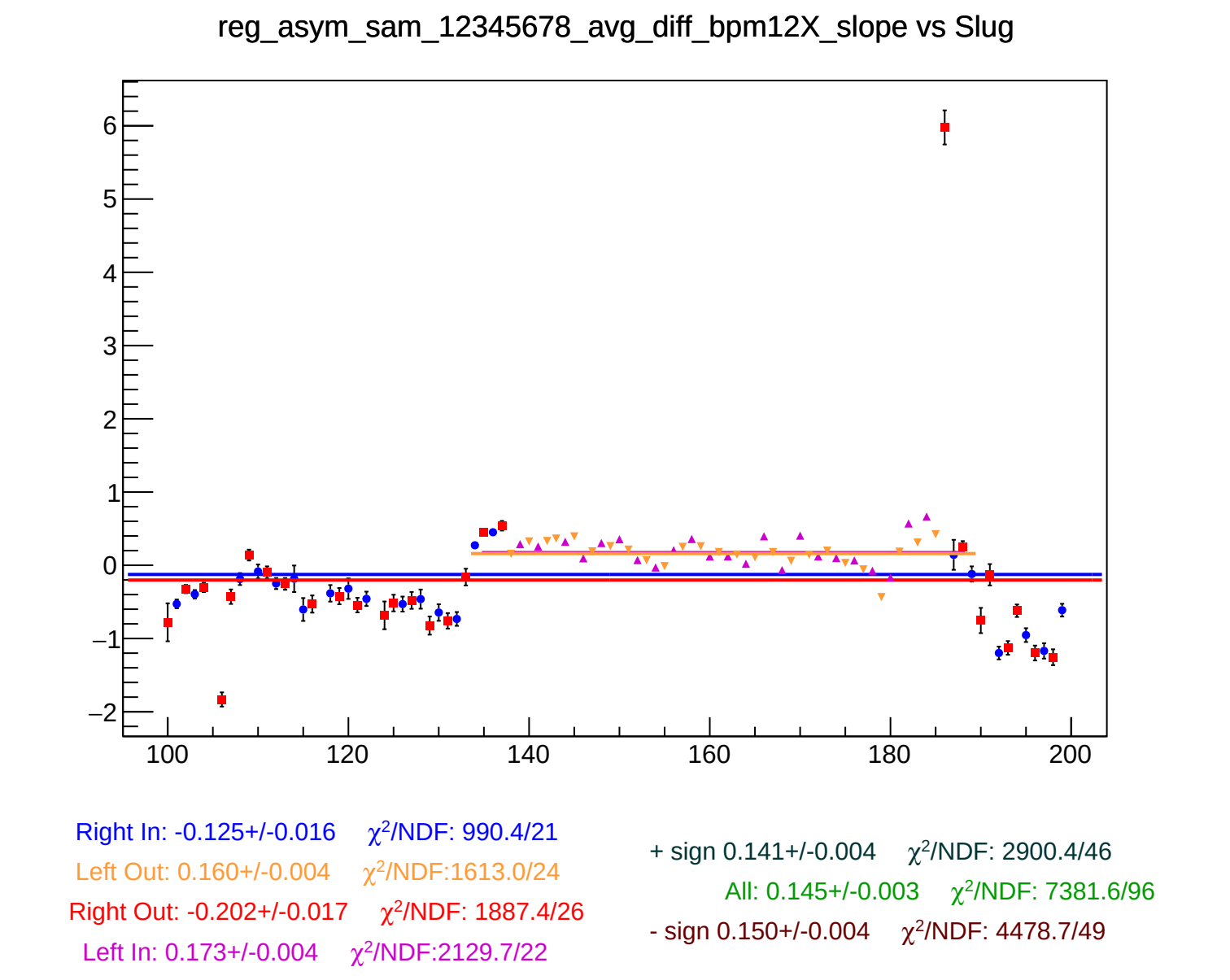
Right Out: 24.466+/-0.320 χ^2/NDF: 4064.0/26

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

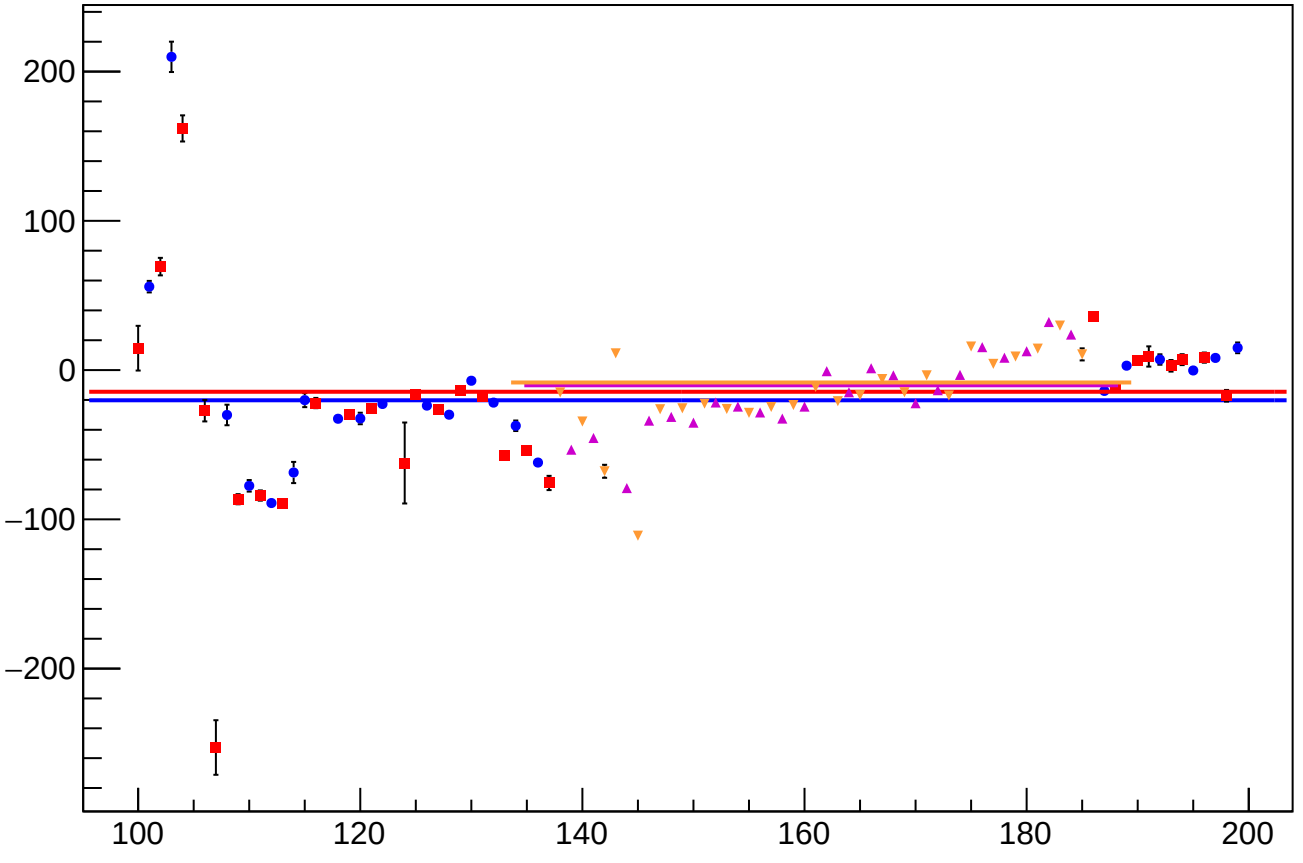
+ sign 32.089+/-0.090 χ^2/NDF: 6975.1/46

All: 32.005+/-0.065 χ^2/NDF: 13646.0/96

- sign 31.916+/-0.093 χ^2/NDF: 6669.1/49


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.125+/-0.016 χ²/NDF: 990.4/21
Left Out: 0.160+/-0.004 χ²/NDF:1613.0/24
Right Out: -0.202+/-0.017 χ²/NDF: 1887.4/26
Left In: 0.173+/-0.004 χ²/NDF:2129.7/22
+ sign 0.141+/-0.004 χ²/NDF: 2900.4/46
All: 0.145+/-0.003 χ²/NDF: 7381.6/96
- sign 0.150+/-0.004 χ²/NDF: 4478.7/49

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -20.232+/-0.667 χ^2/NDF: 2489.1/21

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -14.519+/-0.586 χ^2/NDF: 4044.1/26

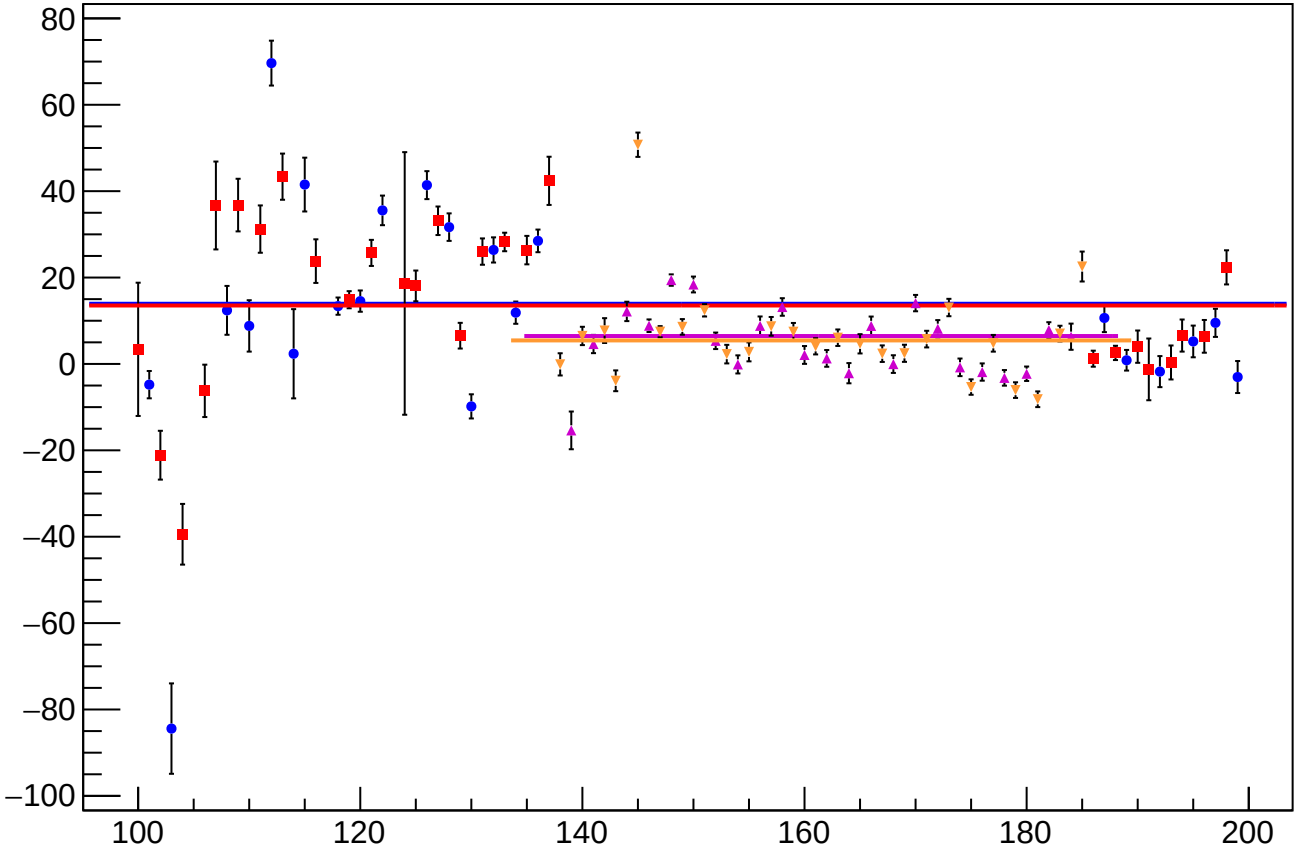
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -12.739+/-0.407 χ^2/NDF: 5249.6/46

All: -12.416+/-0.282 χ^2/NDF: 11843.6/96

- sign -12.118+/-0.392 χ^2/NDF: 6592.8/49

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 13.931+/-0.696 χ^2/NDF: 603.4/21

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 13.531+/-0.653 χ^2/NDF: 458.0/26

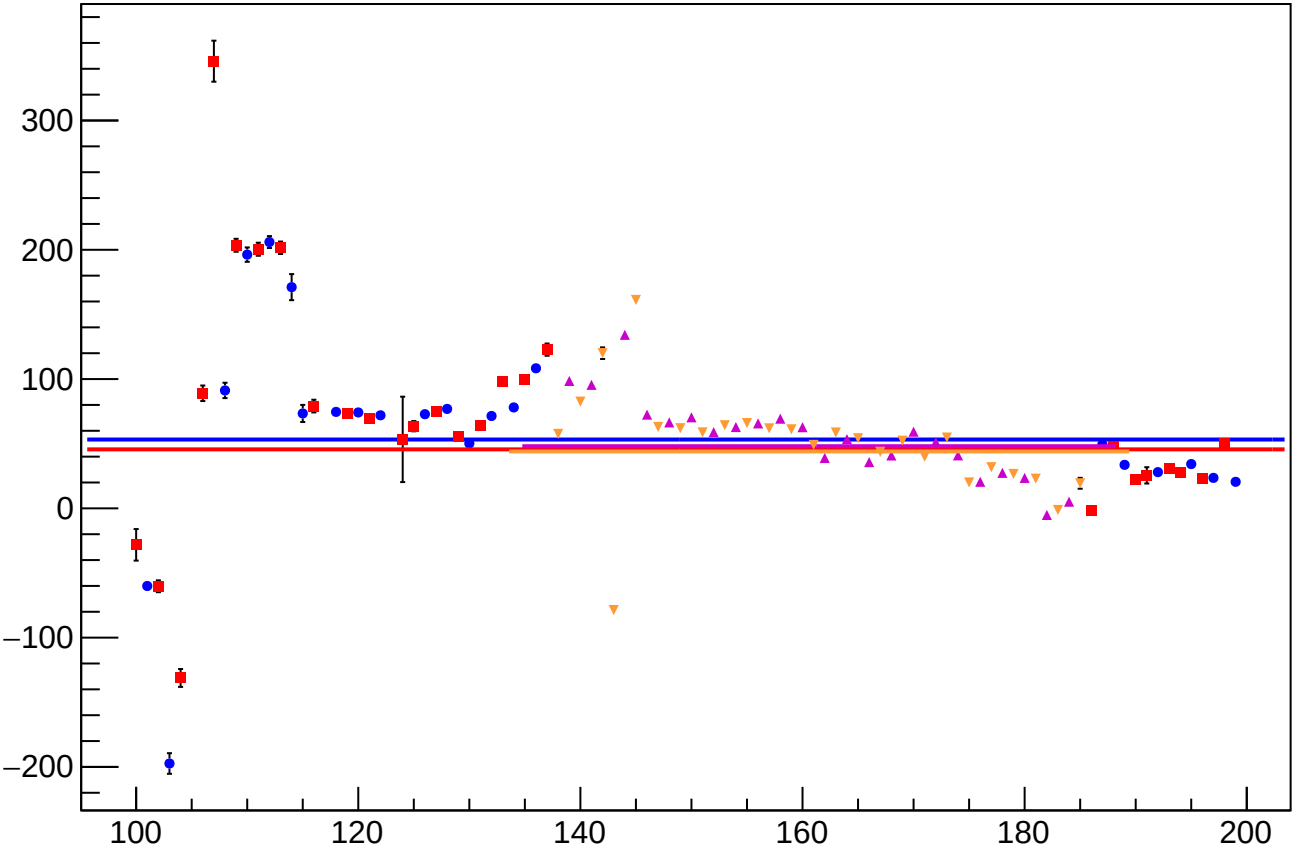
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.505+/-0.343 χ^2/NDF: 1209.7/46

All: 7.971+/-0.244 χ^2/NDF: 2091.6/96

- sign 8.445+/-0.346 χ^2/NDF: 878.2/49

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 53.247+/-0.654 χ^2/NDF: 5695.0/21

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 45.625+/-0.547 χ^2/NDF: 7524.3/26

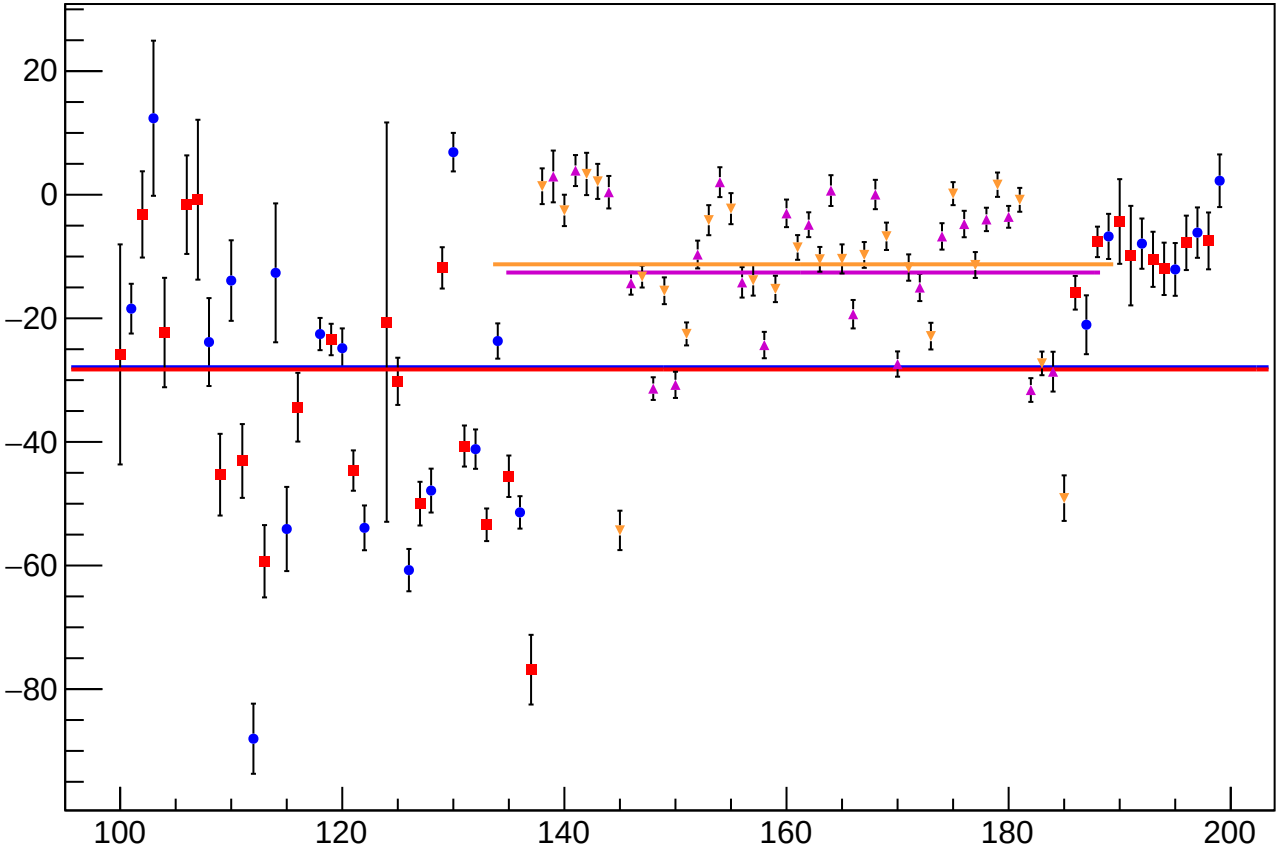
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 47.522+/-0.402 χ^2/NDF: 10382.1/46

All: 47.196+/-0.275 χ^2/NDF: 21294.6/96

- sign 46.909+/-0.377 χ^2/NDF: 10911.3/49

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -27.915+/-0.823 χ^2/NDF: 706.3/21

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -28.273+/-0.802 χ^2/NDF: 548.7/26

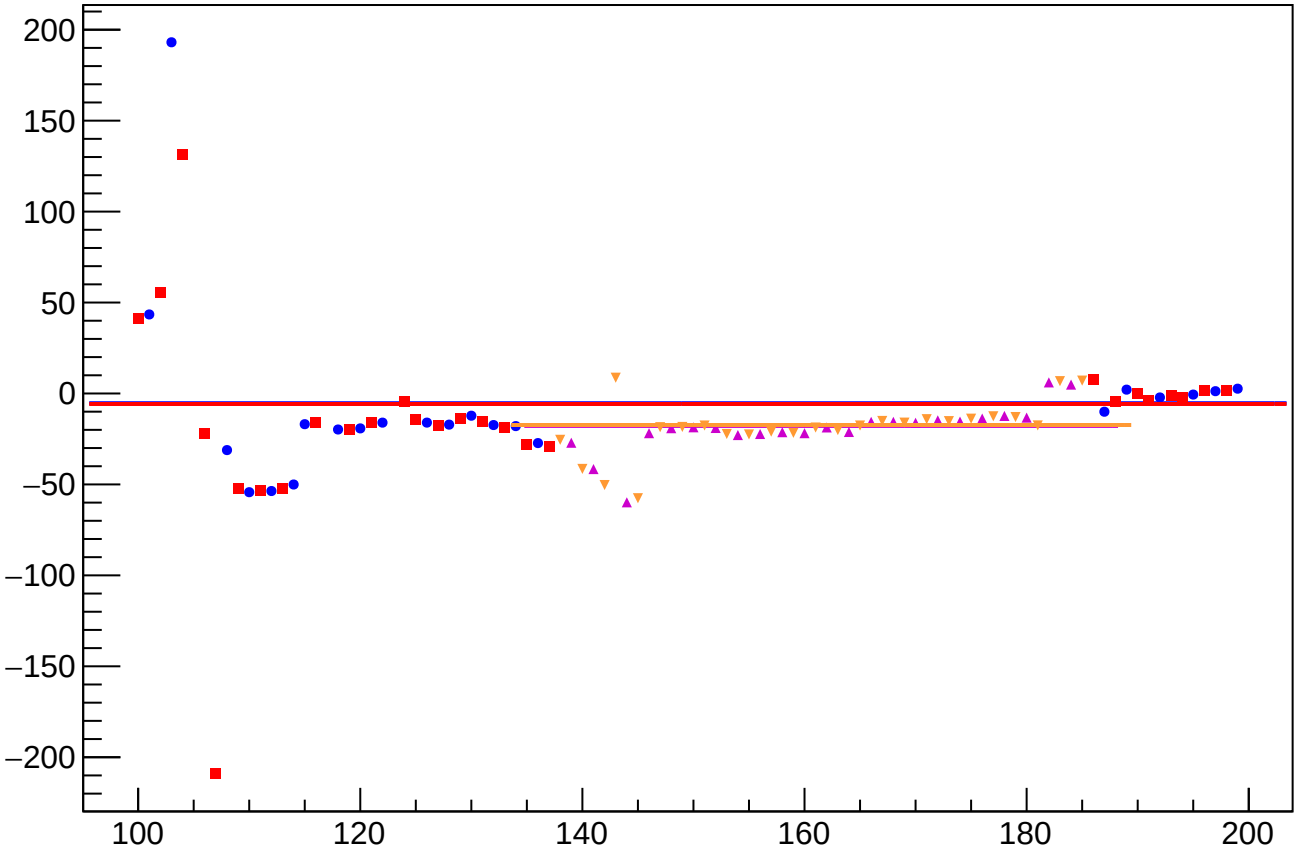
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.025+/-0.391 χ^2/NDF: 1666.5/46

All: -15.727+/-0.279 χ^2/NDF: 3181.4/96

- sign -16.454+/-0.398 χ^2/NDF: 1508.4/49

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -5.362+/-0.041 χ^2/NDF: 541064.9/21

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -5.775+/-0.041 χ^2/NDF: 476735.7/26

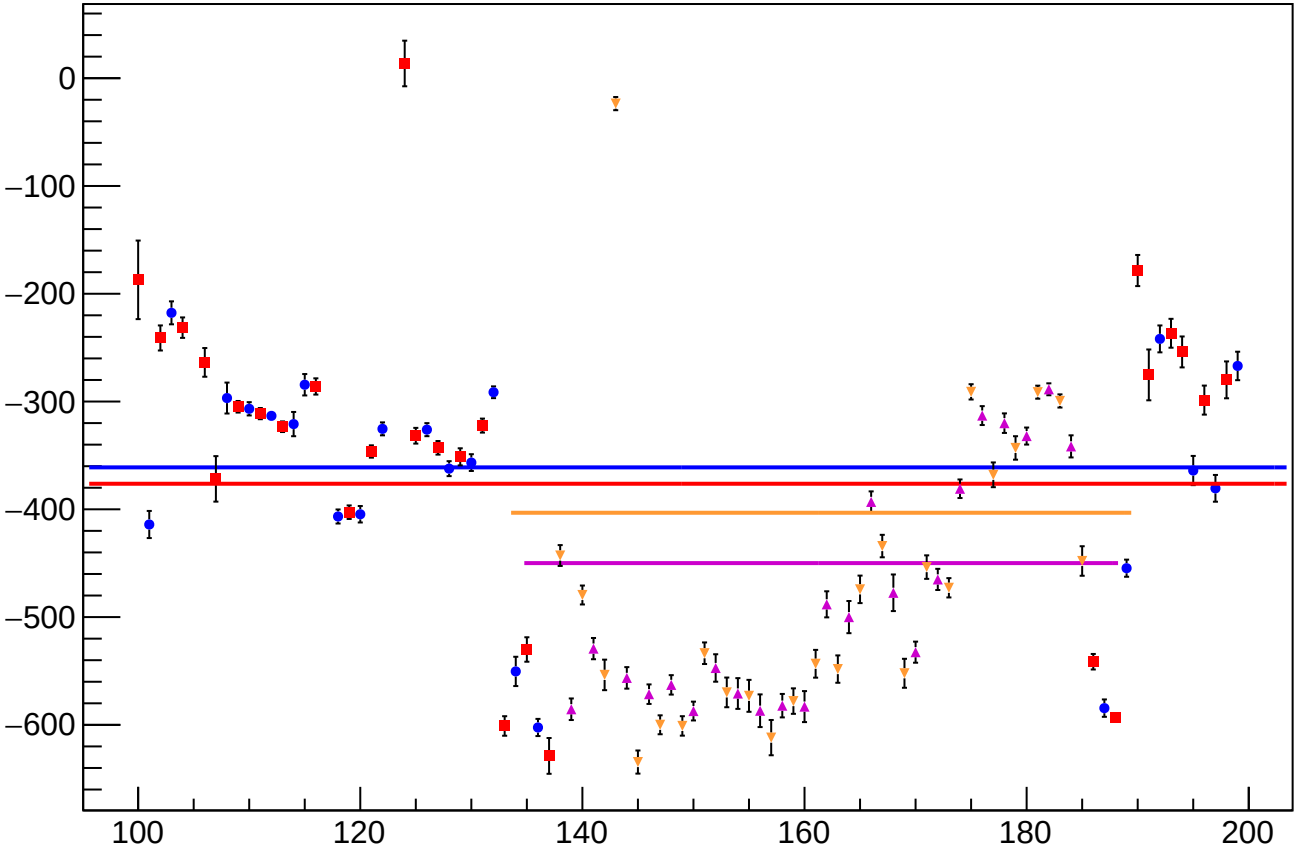
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -15.021+/-0.018 χ^2/NDF: 958176.6/46

All: -15.216+/-0.013 χ^2/NDF: 1773256.6/96

- sign -15.415+/-0.018 χ^2/NDF: 814841.1/49

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -361.087+/-1.677 χ^2/NDF: 2955.8/21

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -376.283+/-1.538 χ^2/NDF: 6142.9/26

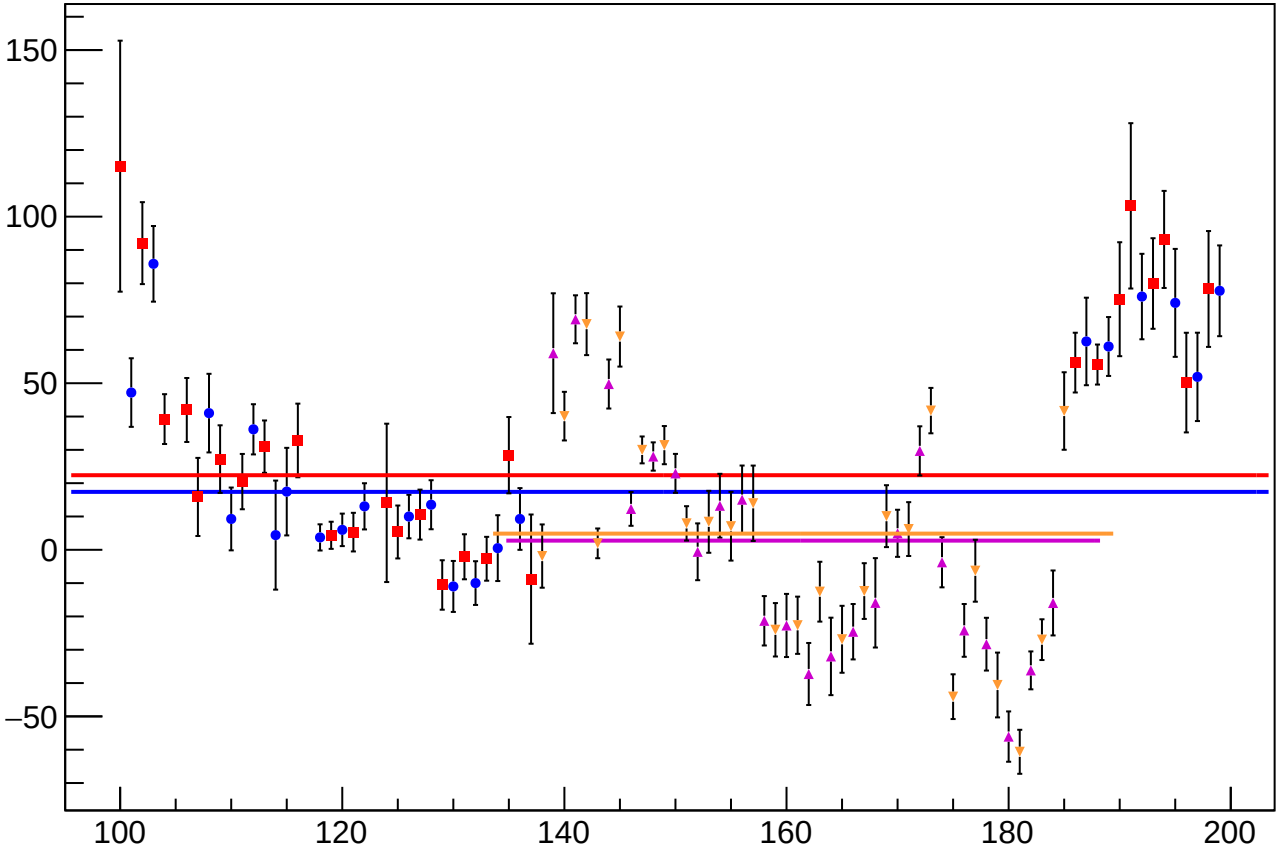
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -379.226+/-1.265 χ^2/NDF: 10977.7/46

All: -391.418+/-0.882 χ^2/NDF: 21348.8/96

- sign -402.923+/-1.229 χ^2/NDF: 10190.5/49

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 17.388+/-1.730 χ^2/NDF: 206.4/21

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 22.388+/-1.681 χ^2/NDF: 256.0/26

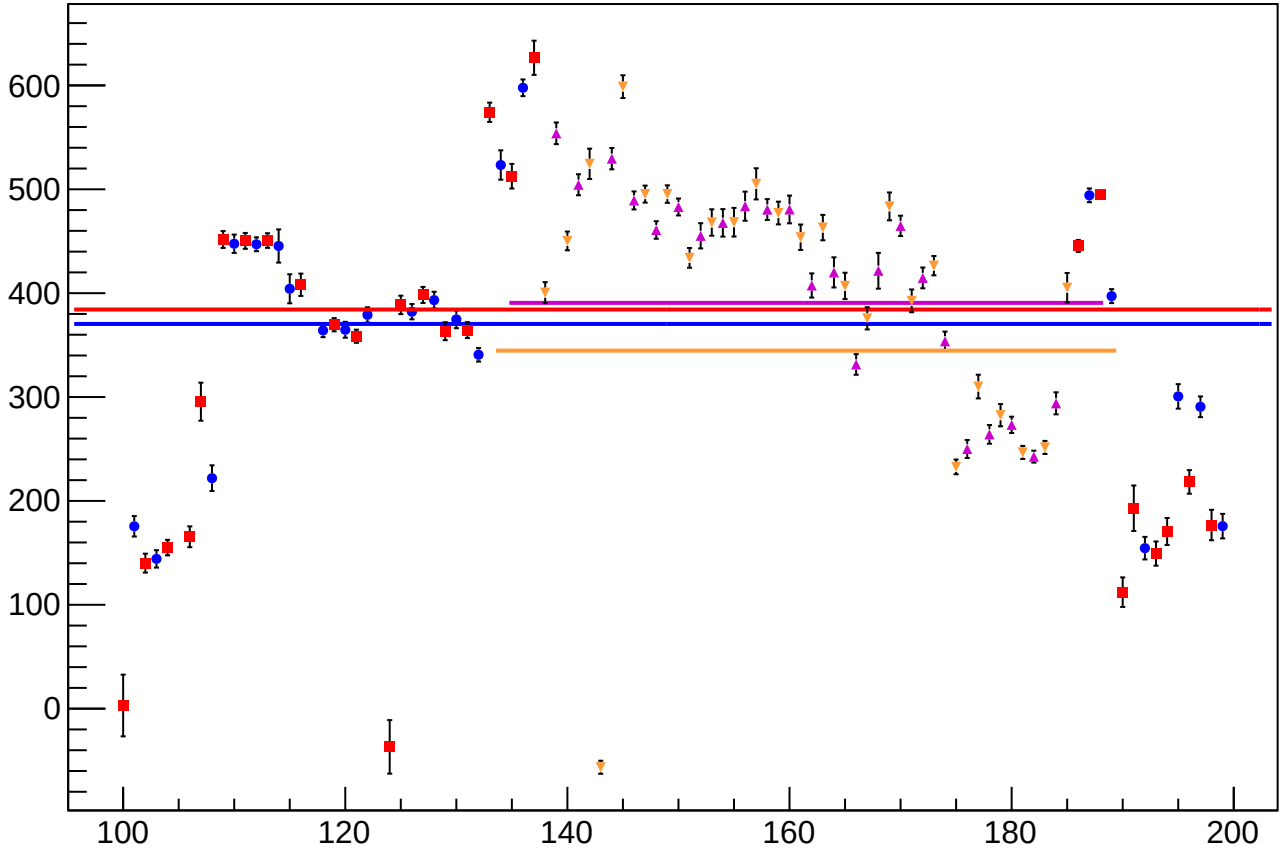
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 10.015+/-1.110 χ^2/NDF: 694.5/46

All: 10.885+/-0.796 χ^2/NDF: 1424.9/96

- sign 11.805+/-1.141 χ^2/NDF: 729.1/49

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 370.385+/-1.814 χ^2/NDF: 3586.0/21

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 384.260+/-1.612 χ^2/NDF: 6290.2/26

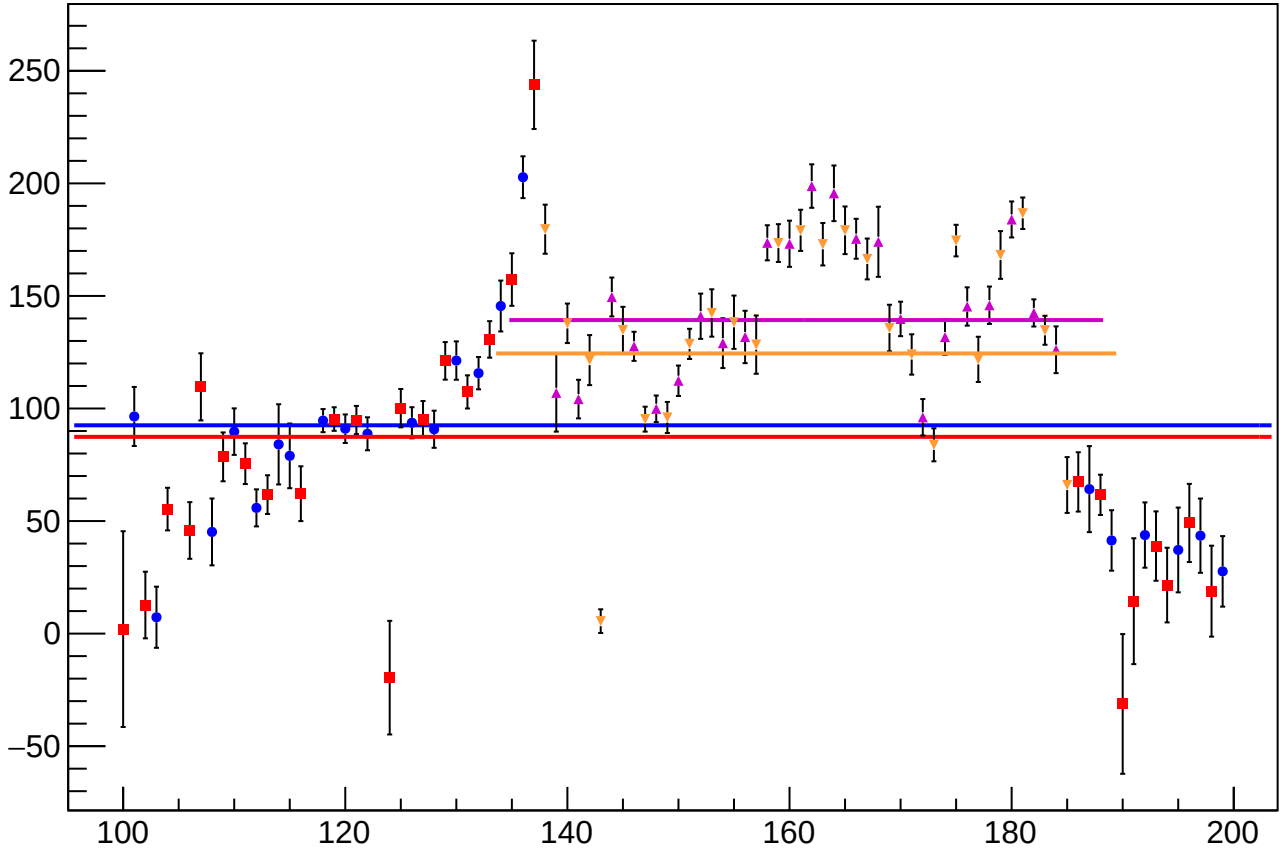
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 358.290+/-1.320 χ^2/NDF: 10958.7/46

All: 373.147+/-0.912 χ^2/NDF: 20170.5/96

- sign 386.741+/-1.262 χ^2/NDF: 8969.1/49

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 92.532+/-2.036 χ^2/NDF: 318.7/21

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 87.404+/-1.989 χ^2/NDF: 320.1/26

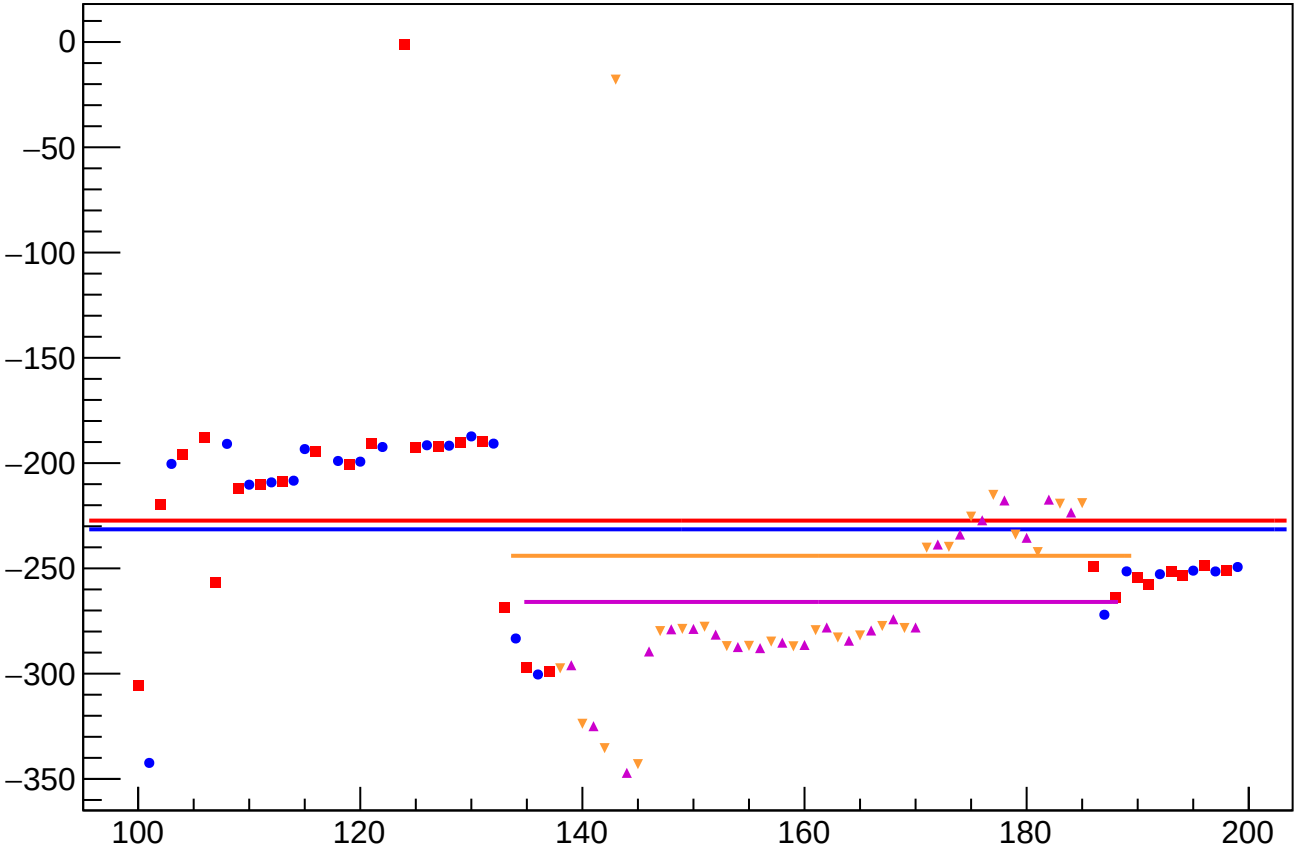
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 111.702+/-1.288 χ^2/NDF: 1403.8/46

All: 113.967+/-0.922 χ^2/NDF: 2370.9/96

- sign 116.355+/-1.322 χ^2/NDF: 960.7/49

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -231.458+/-0.118 χ^2/NDF: 133518.8/21

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -227.309+/-0.113 χ^2/NDF: 106880.0/26

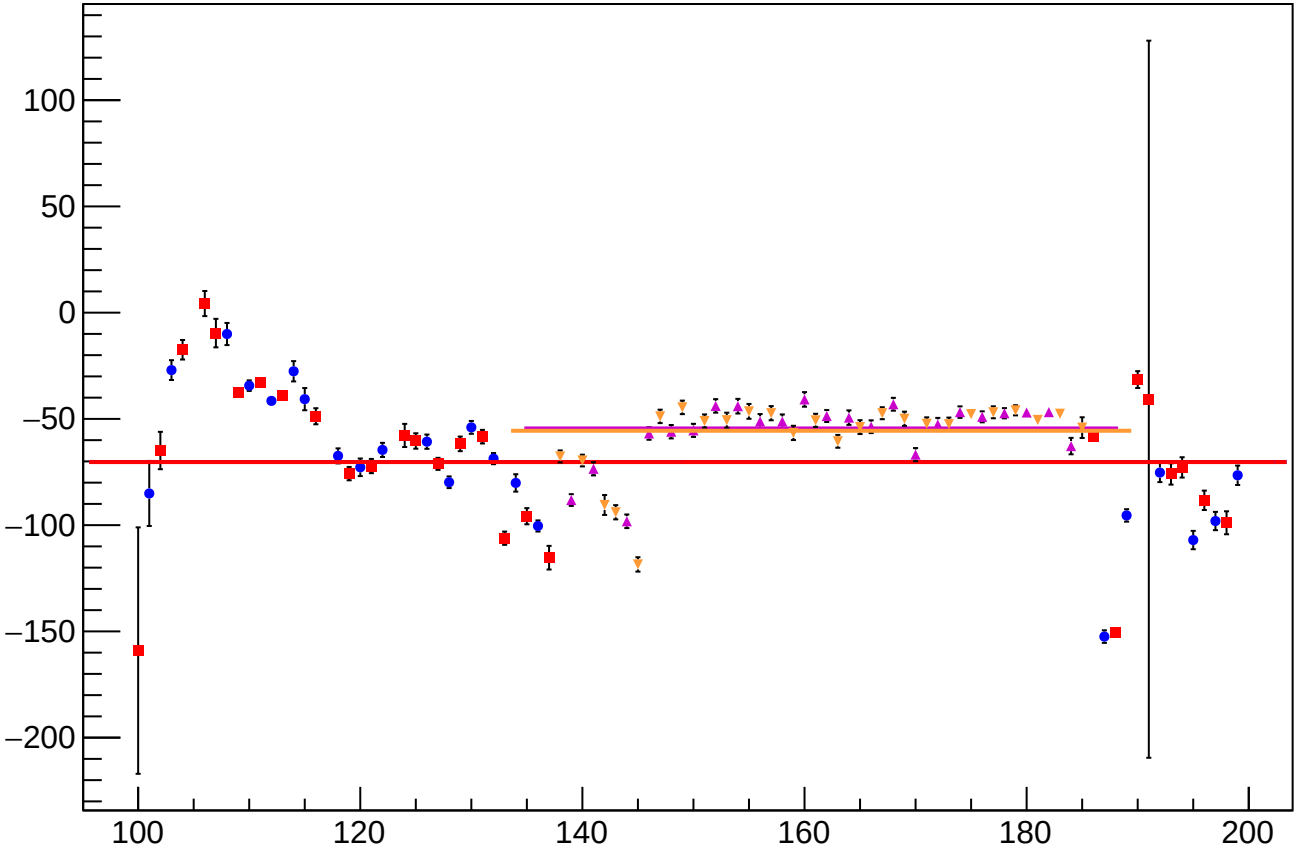
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.239+/-0.065 χ^2/NDF: 1139422.4/46

All: -246.473+/-0.046 χ^2/NDF: 1513051.9/96

- sign -252.866+/-0.065 χ^2/NDF: 354797.5/49

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -70.269+/-0.727 χ^2/NDF: 1874.4/21

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.315+/-0.635 χ^2/NDF: 3758.9/26

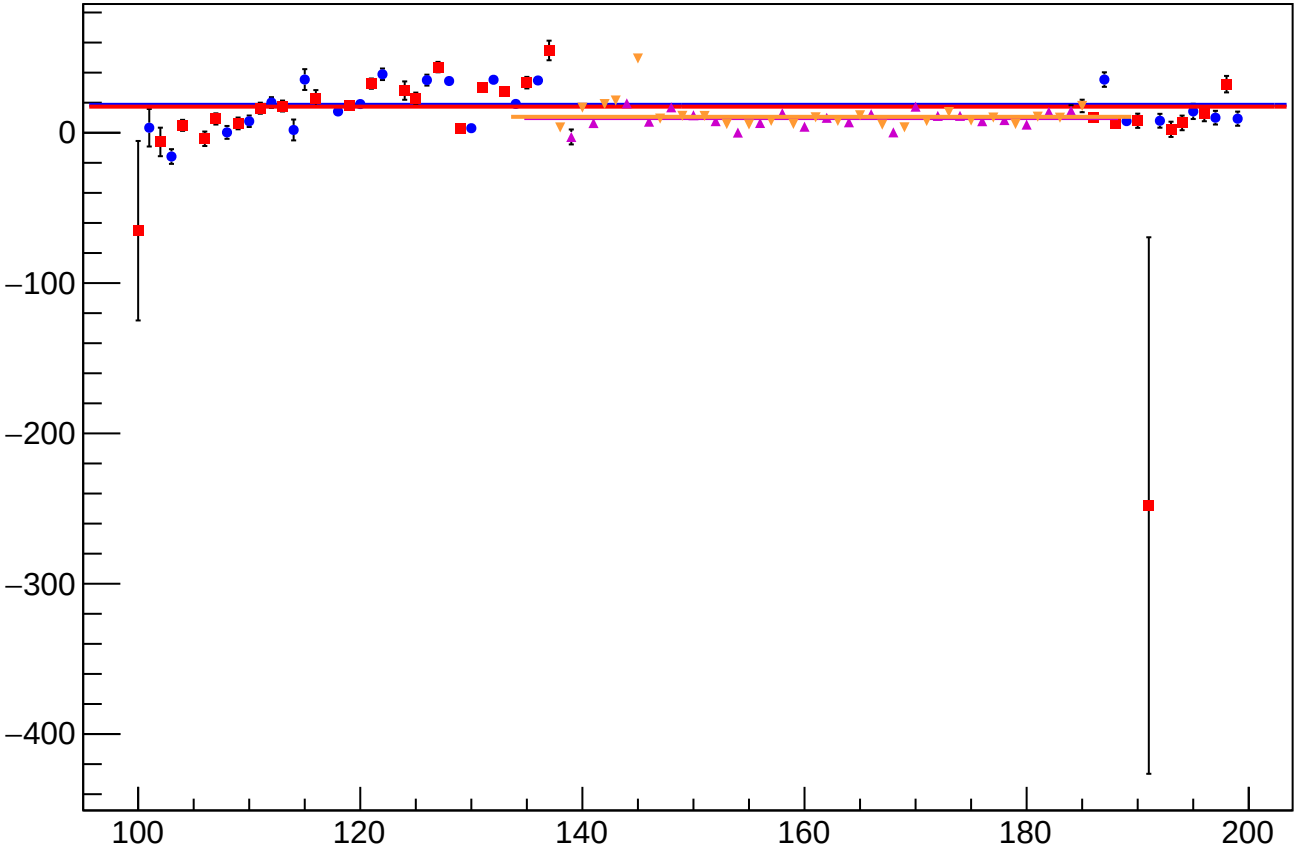
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -61.407+/-0.458 χ^2/NDF: 2806.9/46

All: -61.740+/-0.317 χ^2/NDF: 7392.0/96

\- sign -62.045+/-0.438 χ^2/NDF: 4584.0/49

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.582+/-0.779 χ^2/NDF: 286.3/21

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 17.364+/-0.710 χ^2/NDF: 301.1/26

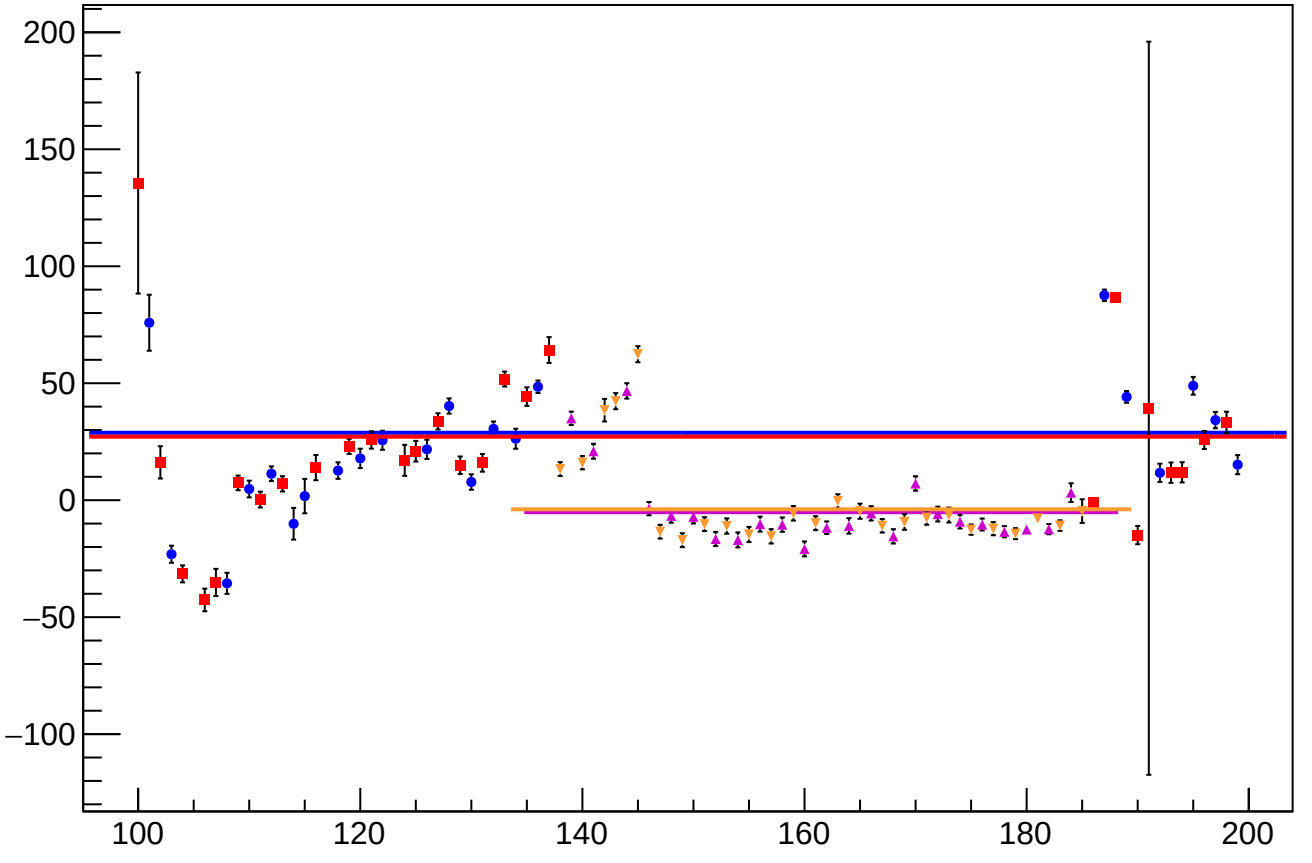
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.594+/-0.389 χ^2/NDF: 620.1/46

All: 12.326+/-0.276 χ^2/NDF: 1123.1/96

- sign 12.057+/-0.390 χ^2/NDF: 502.0/49

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 28.823+/-0.767 χ^2/NDF: 1368.0/21

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.148+/-0.640 χ^2/NDF: 3281.1/26

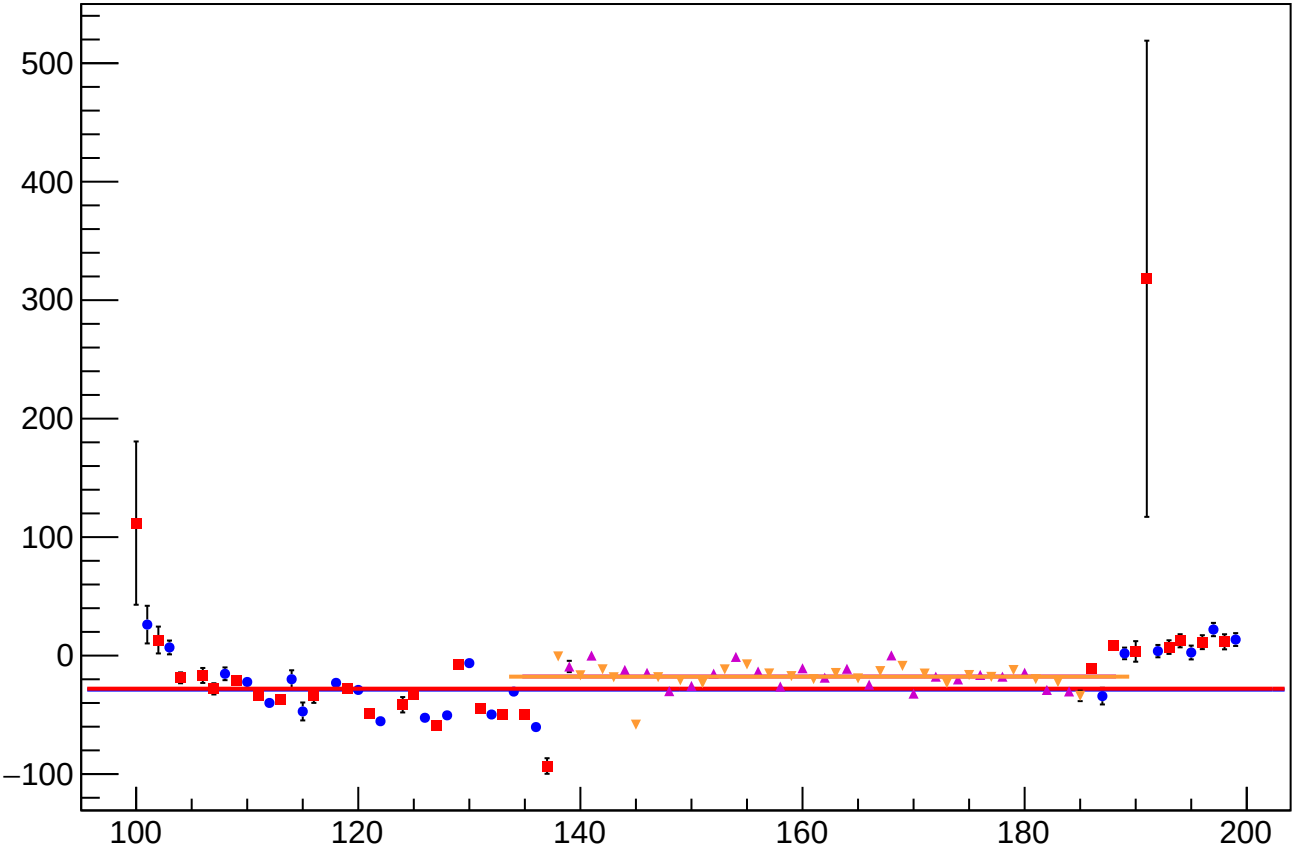
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 8.135+/-0.465 χ^2/NDF: 3368.0/46

All: 9.102+/-0.319 χ^2/NDF: 8660.8/96

- sign 9.958+/-0.438 χ^2/NDF: 5284.7/49

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -28.706+/-0.908 χ^2/NDF: 634.9/21

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -27.931+/-0.855 χ^2/NDF: 712.3/26

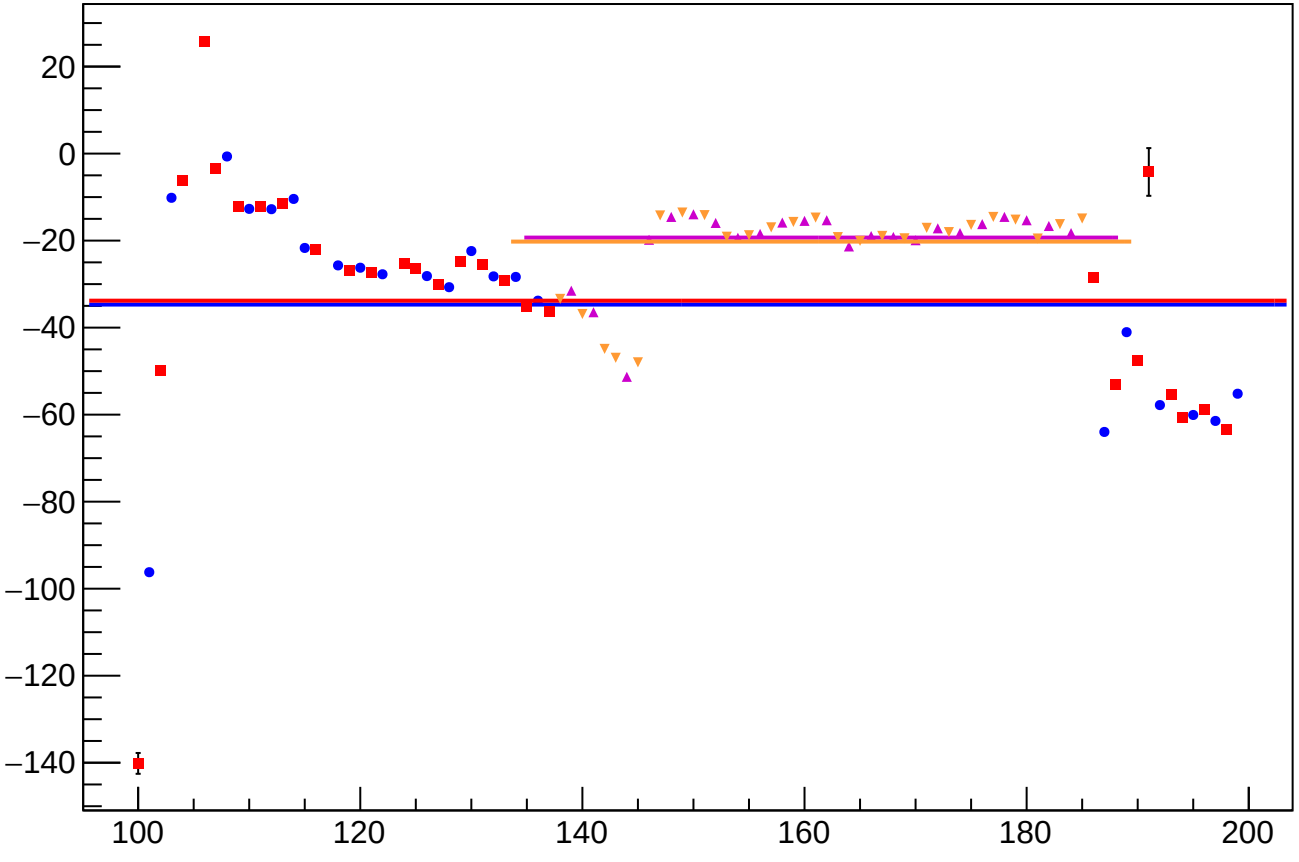
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -20.388+/-0.444 χ^2/NDF: 996.8/46

All: -20.428+/-0.315 χ^2/NDF: 2100.1/96

- sign -20.469+/-0.448 χ^2/NDF: 1103.3/49

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -34.700+/-0.046 χ^2/NDF: 175944.8/21

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -33.806+/-0.046 χ^2/NDF: 242120.4/26

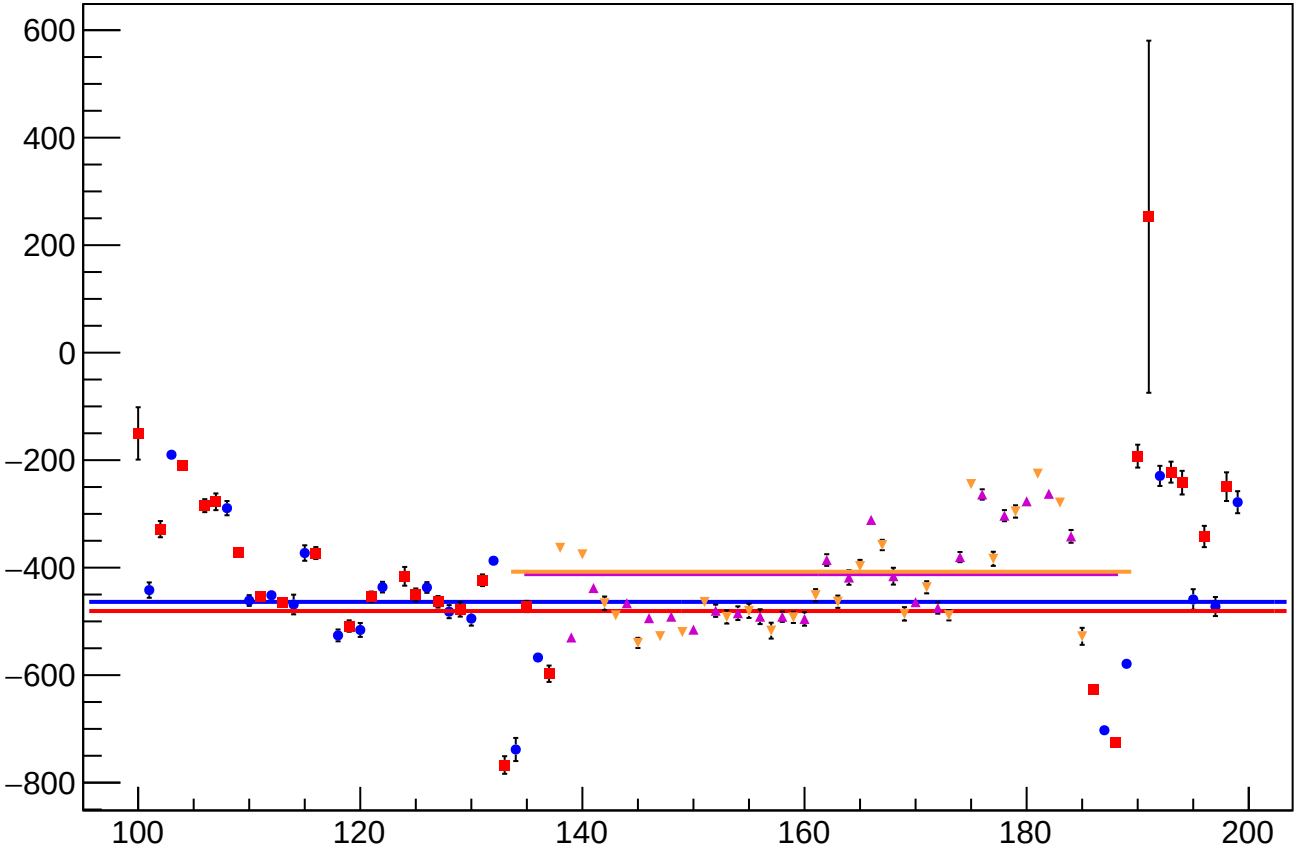
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -23.048+/-0.021 χ^2/NDF: 401457.9/46

All: -22.668+/-0.015 χ^2/NDF: 816861.8/96

- sign -22.278+/-0.021 χ^2/NDF: 414707.6/49

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -463.702+/-2.402 χ^2/NDF: 2706.0/21

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -480.714+/-2.100 χ^2/NDF: 5842.8/26

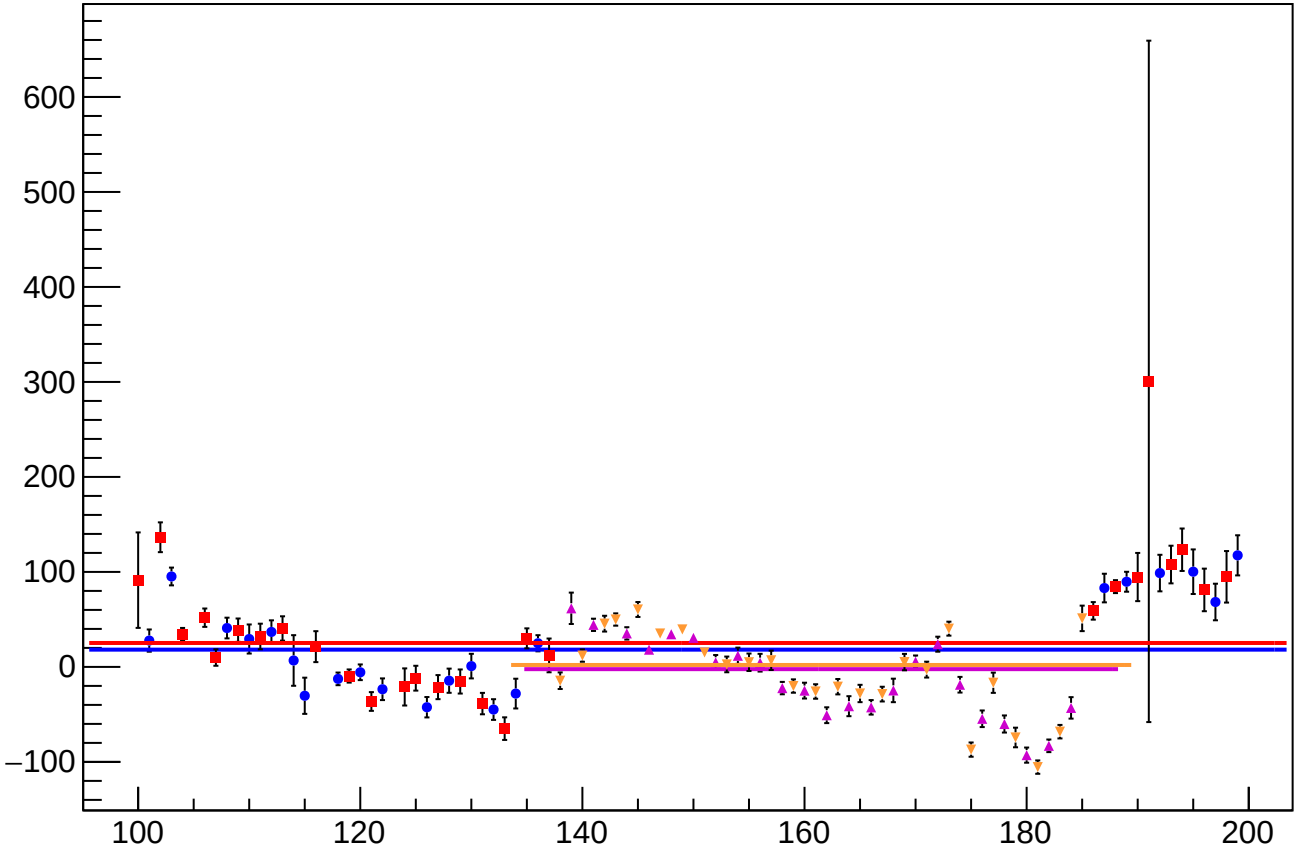
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -429.867+/-1.514 χ^2/NDF: 5907.7/46

All: -437.693+/-1.048 χ^2/NDF: 14541.6/96

- sign -444.880+/-1.451 χ^2/NDF: 8582.7/49

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 18.177+/-2.521 χ^2/NDF: 332.2/21

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 25.188+/-2.260 χ^2/NDF: 406.3/26

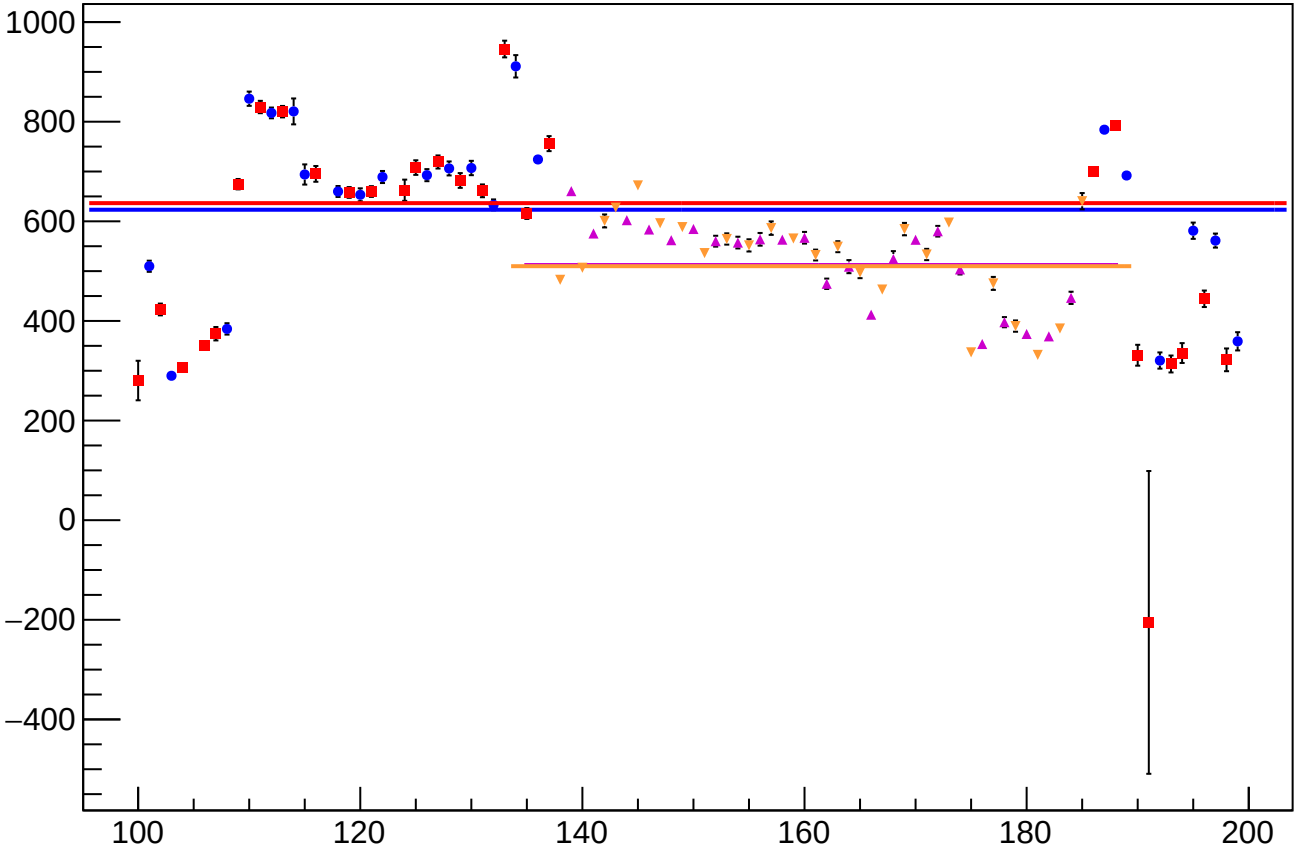
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 5.947+/-1.241 χ^2/NDF: 1274.0/46

All: 5.935+/-0.877 χ^2/NDF: 2517.6/96

- sign 5.922+/-1.240 χ^2/NDF: 1243.6/49

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 623.247+/-2.434 χ^2/NDF: 5013.6/21

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 636.510+/-2.053 χ^2/NDF: 8061.8/26

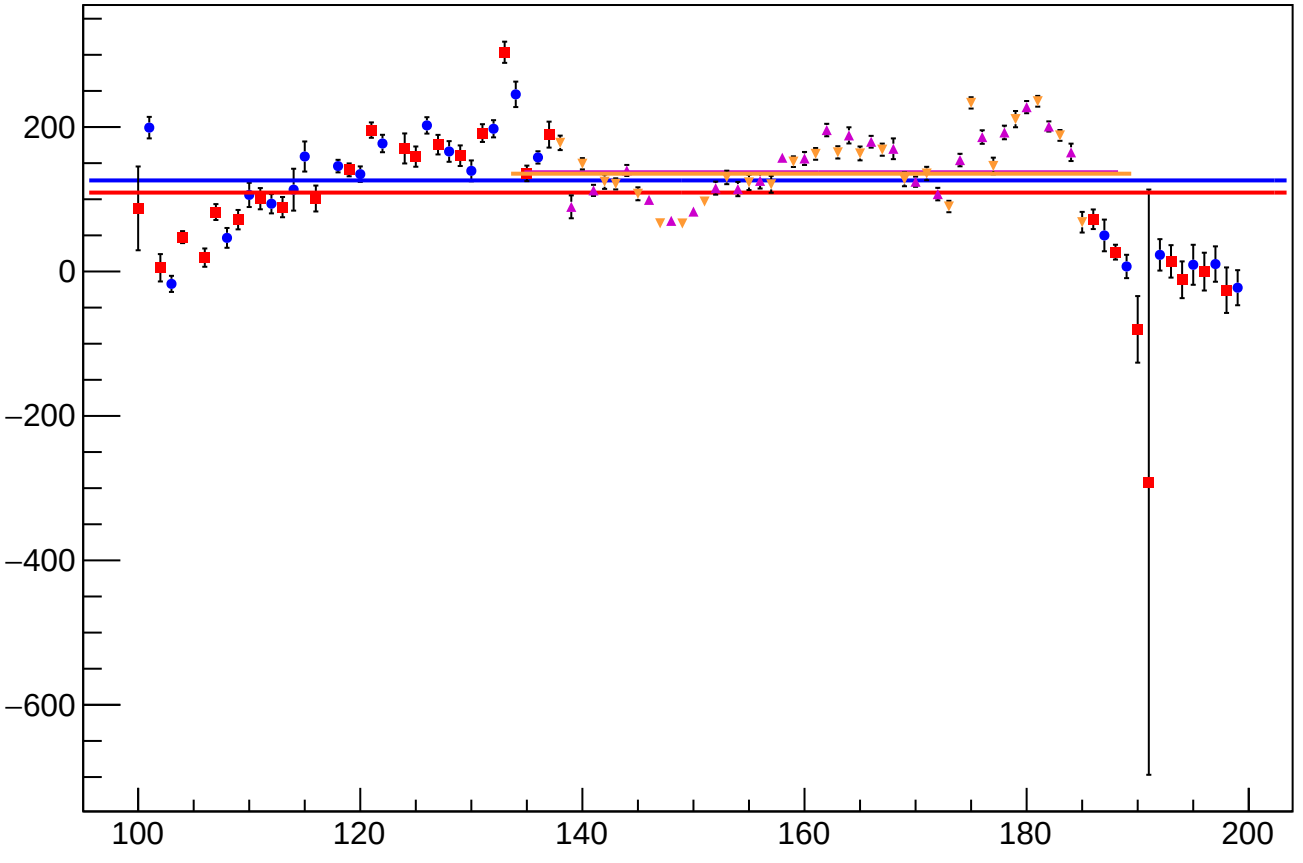
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

\+ sign 553.828+/-1.515 χ^2/NDF: 9004.6/46

All: 563.597+/-1.039 χ^2/NDF: 21126.3/96

\- sign 572.261+/-1.427 χ^2/NDF: 12043.3/49

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 126.085+/-2.970 χ^2/NDF: 572.1/21

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 109.234+/-2.731 χ^2/NDF: 701.4/26

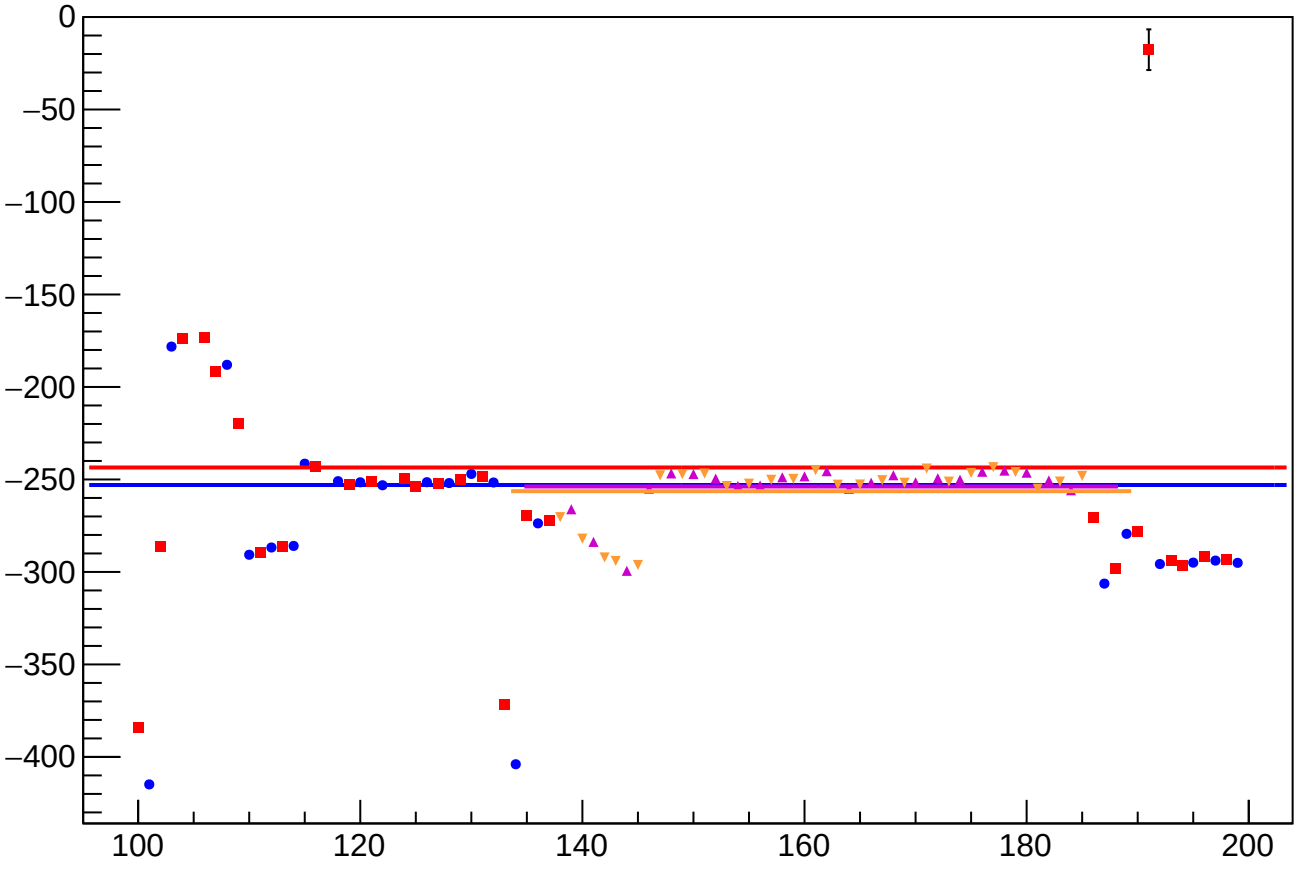
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 133.211+/-1.442 χ^2/NDF: 1502.7/46

All: 131.360+/-1.020 χ^2/NDF: 2989.9/96

- sign 129.501+/-1.445 χ^2/NDF: 1483.8/49

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -252.996+/-0.146 χ^2/NDF: 192179.1/21

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -243.531+/-0.139 χ^2/NDF: 137417.2/26

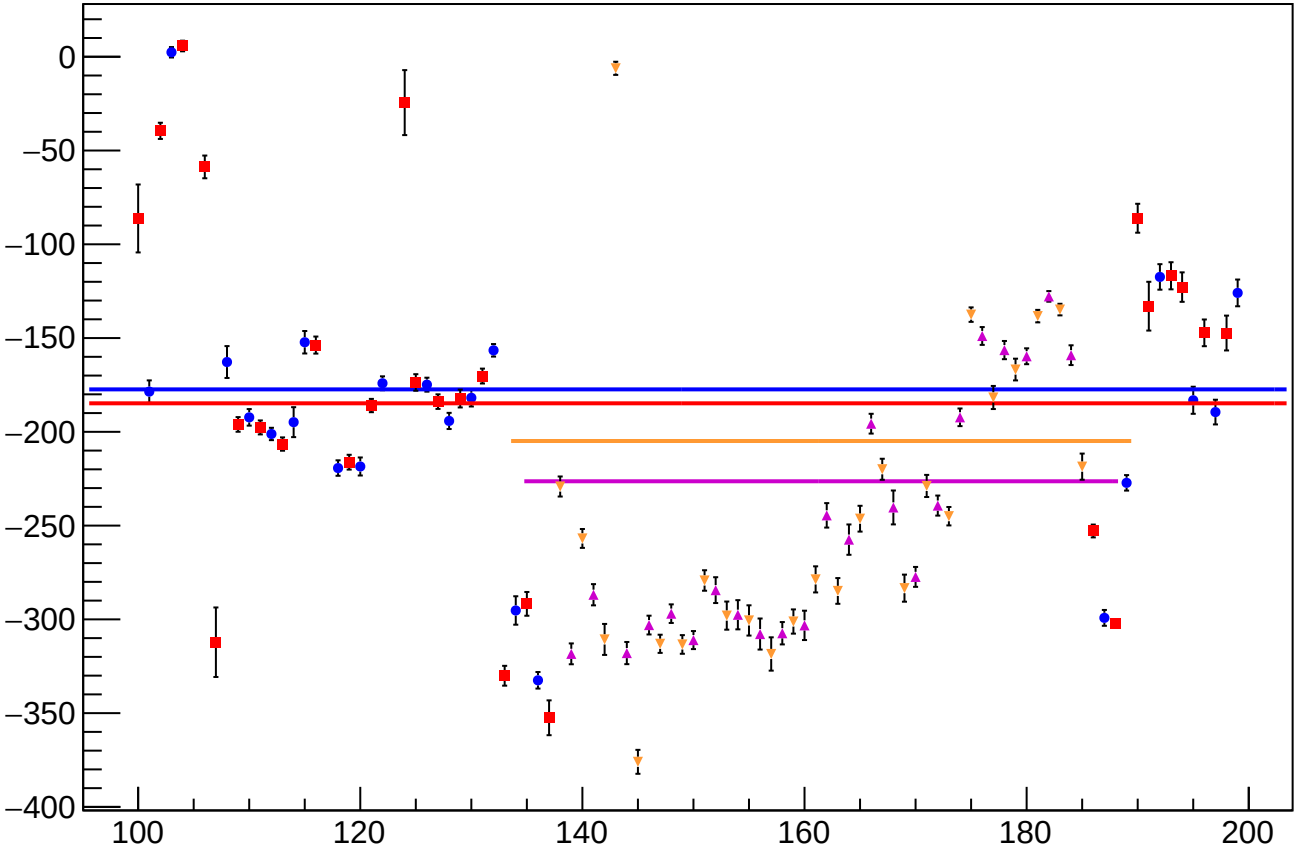
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -255.614+/-0.068 χ^2/NDF: 232104.8/46

All: -253.487+/-0.048 χ^2/NDF: 399700.7/96

- sign -251.370+/-0.068 χ^2/NDF: 165649.5/49

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -177.363+/-0.970 χ^2/NDF: 7090.9/21

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -184.794+/-0.881 χ^2/NDF: 11227.9/26

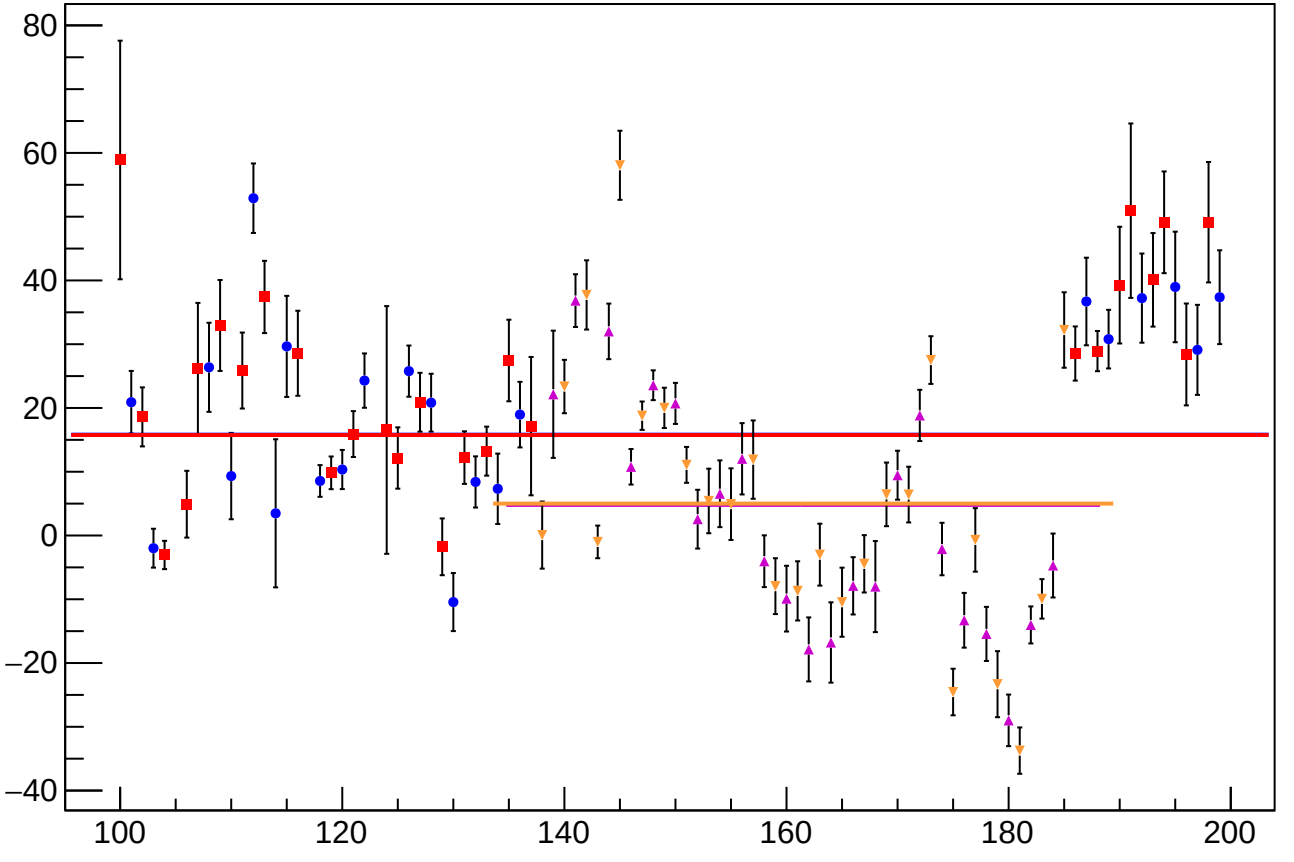
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -190.017+/-0.713 χ^2/NDF: 15287.2/46

All: -195.670+/-0.495 χ^2/NDF: 31721.2/96

- sign -200.939+/-0.689 χ^2/NDF: 16312.7/49

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 15.812+/-0.998 χ^2/NDF: 199.8/21

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 15.756+/-0.926 χ^2/NDF: 220.3/26

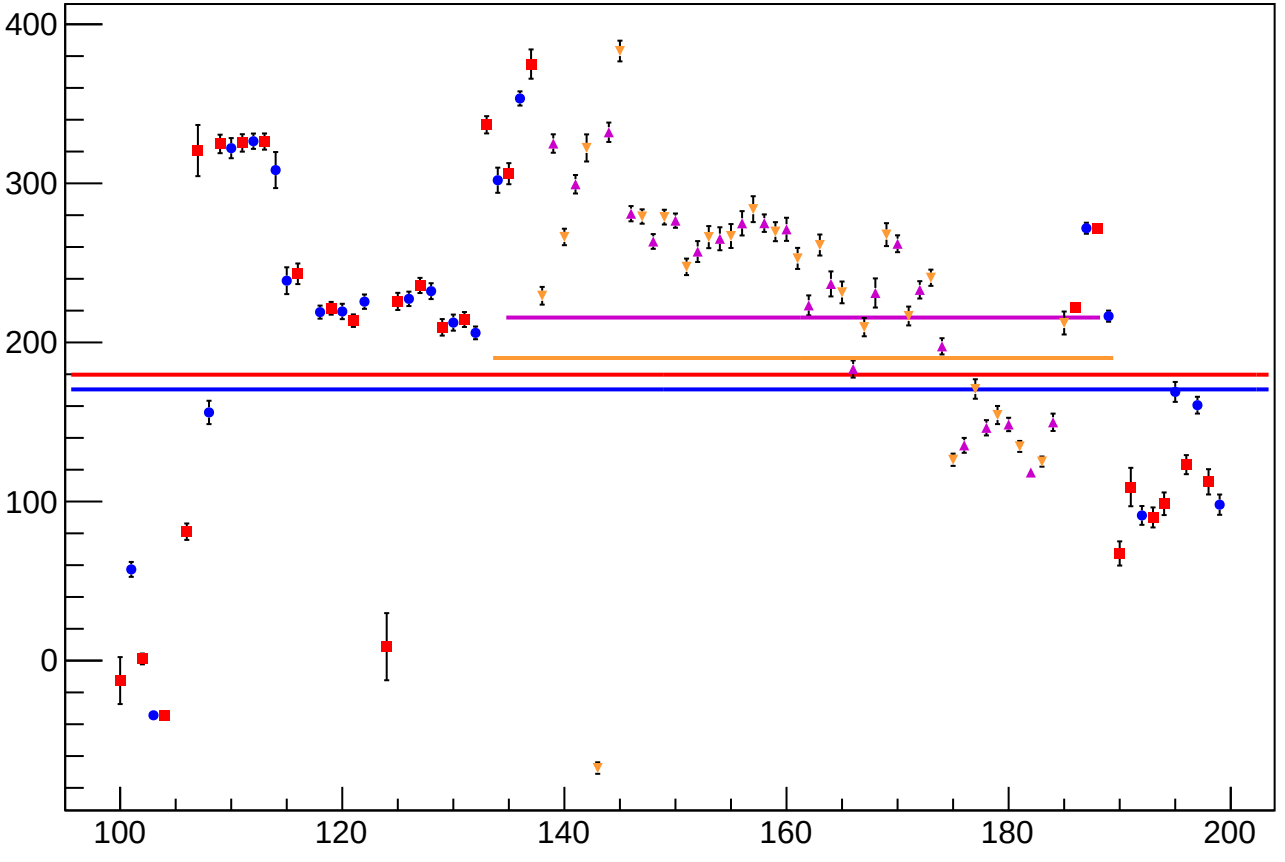
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 9.189+/-0.621 χ^2/NDF: 820.2/46

All: 9.487+/-0.440 χ^2/NDF: 1543.6/96

- sign 9.789+/-0.625 χ^2/NDF: 723.0/49

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 170.476+/-0.976 χ^2/NDF: 15367.1/21

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 179.735+/-0.856 χ^2/NDF: 20505.6/26

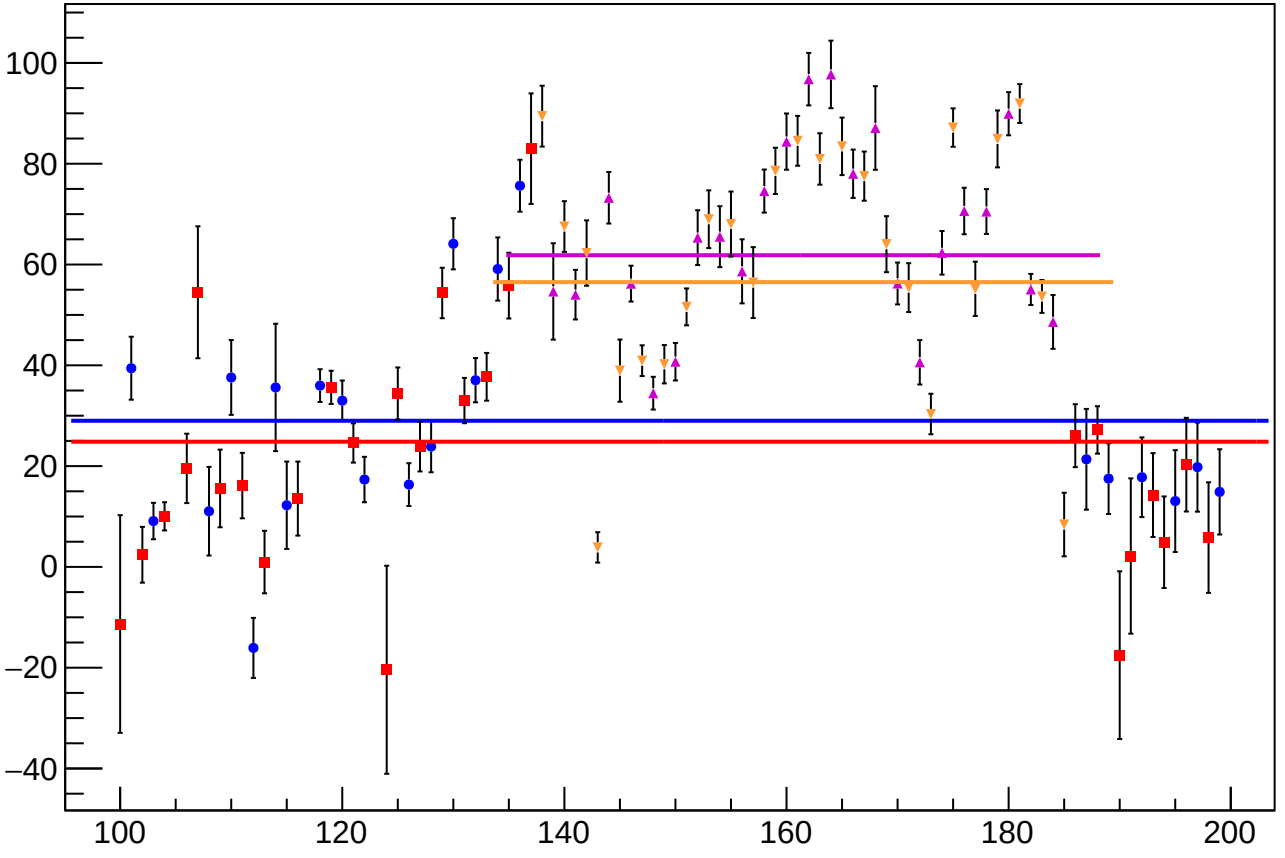
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 179.624+/-0.715 χ^2/NDF: 24940.8/46

All: 186.856+/-0.491 χ^2/NDF: 50191.2/96

- sign 193.312+/-0.675 χ^2/NDF: 25056.7/49

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 28.998+/-1.180 χ^2/NDF: 290.0/21

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 24.846+/-1.115 χ^2/NDF: 207.2/26

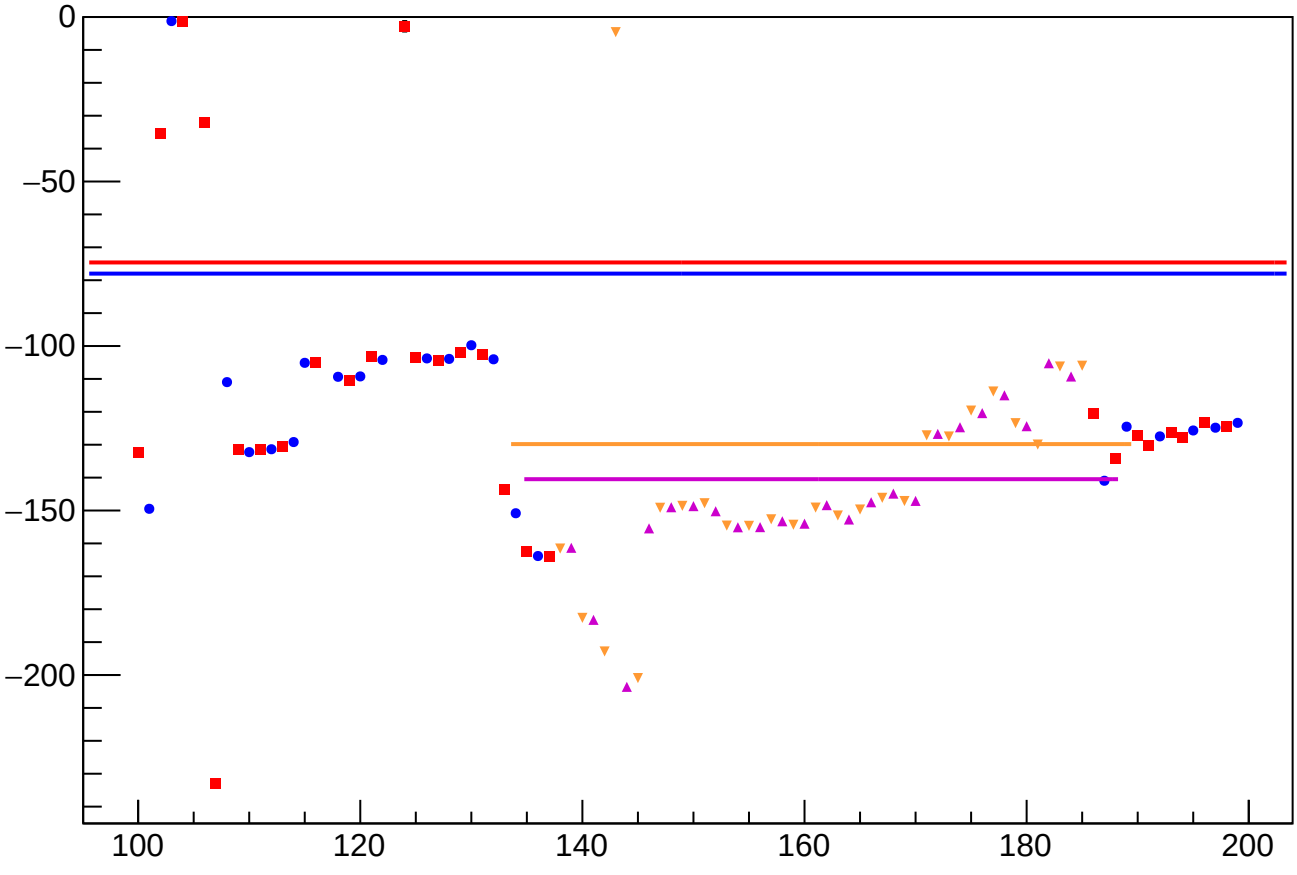
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 46.265+/-0.720 χ^2/NDF: 1430.2/46

All: 46.167+/-0.512 χ^2/NDF: 2589.9/96

- sign 46.066+/-0.728 χ^2/NDF: 1159.7/49

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -77.993+/-0.056 χ^2/NDF: 1244916.7/21

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -74.602+/-0.054 χ^2/NDF: 1179462.0/26

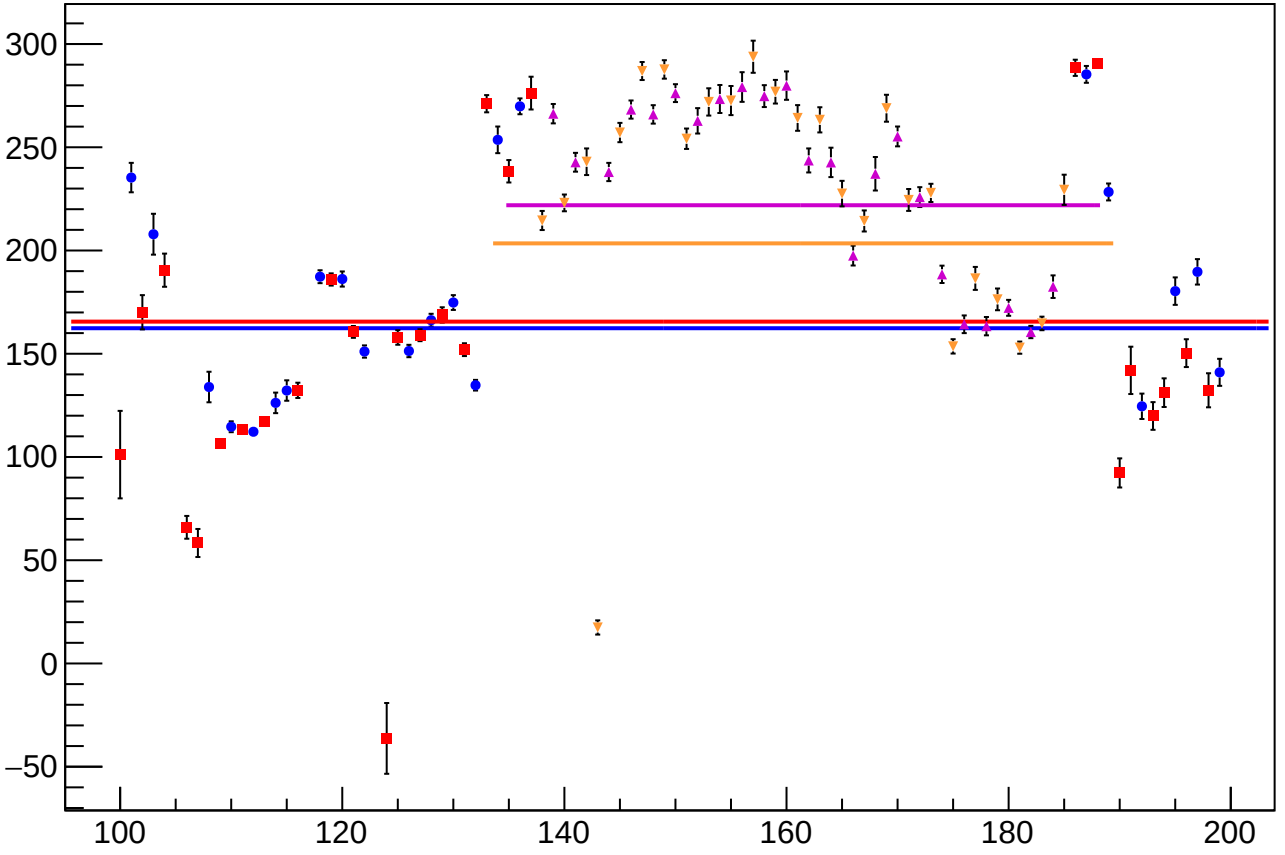
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.257+/-0.034 χ^2/NDF: 2810830.0/46

All: -112.884+/-0.024 χ^2/NDF: 5145949.5/96

- sign -114.531+/-0.034 χ^2/NDF: 2330451.1/49

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 162.359+/-0.805 χ^2/NDF: 3614.4/21

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 165.560+/-0.736 χ^2/NDF: 8043.4/26

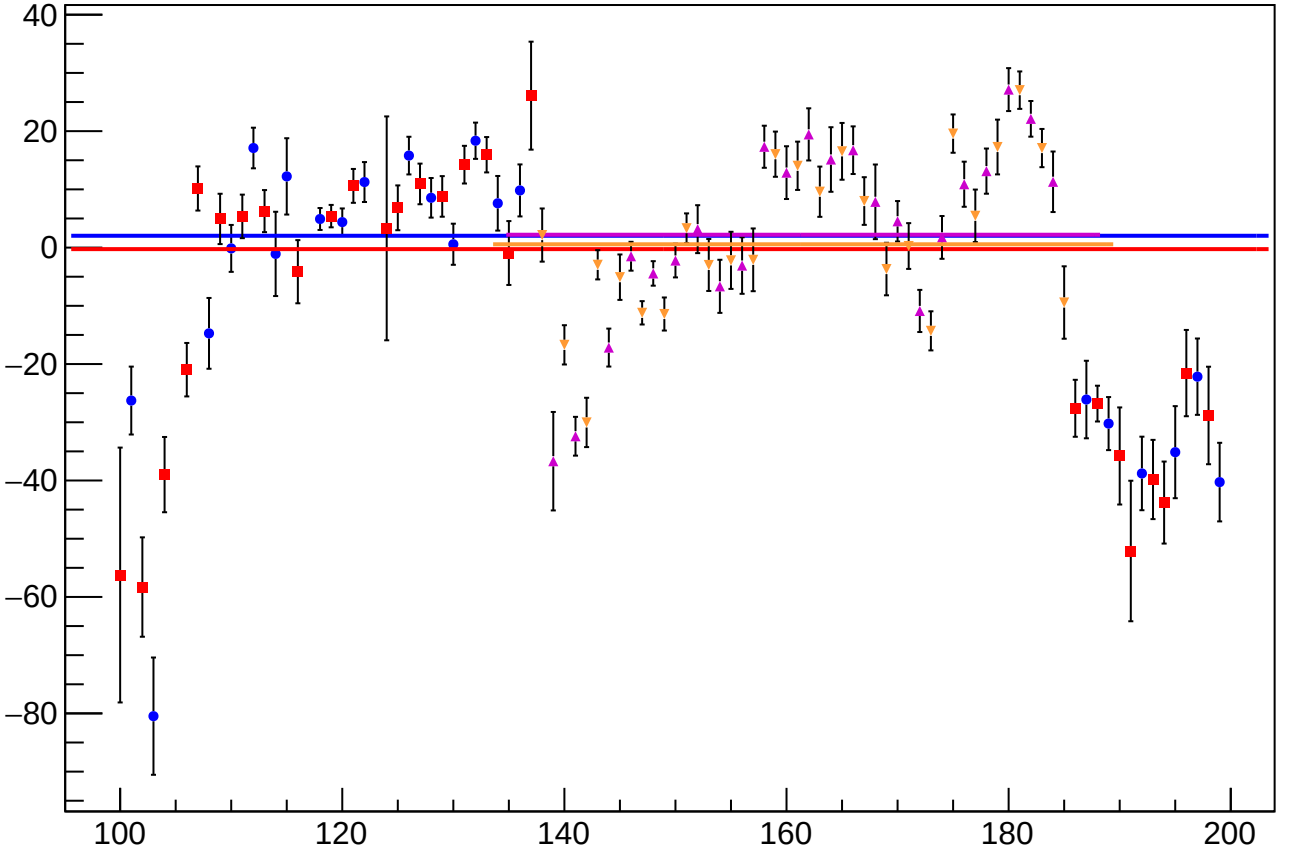
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 179.477+/-0.615 χ^2/NDF: 10190.8/46

All: 182.482+/-0.427 χ^2/NDF: 22320.4/96

- sign 185.278+/-0.593 χ^2/NDF: 12083.5/49

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 2.032+/-0.839 χ^2/NDF: 369.1/21

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -0.262+/-0.815 χ^2/NDF: 458.0/26

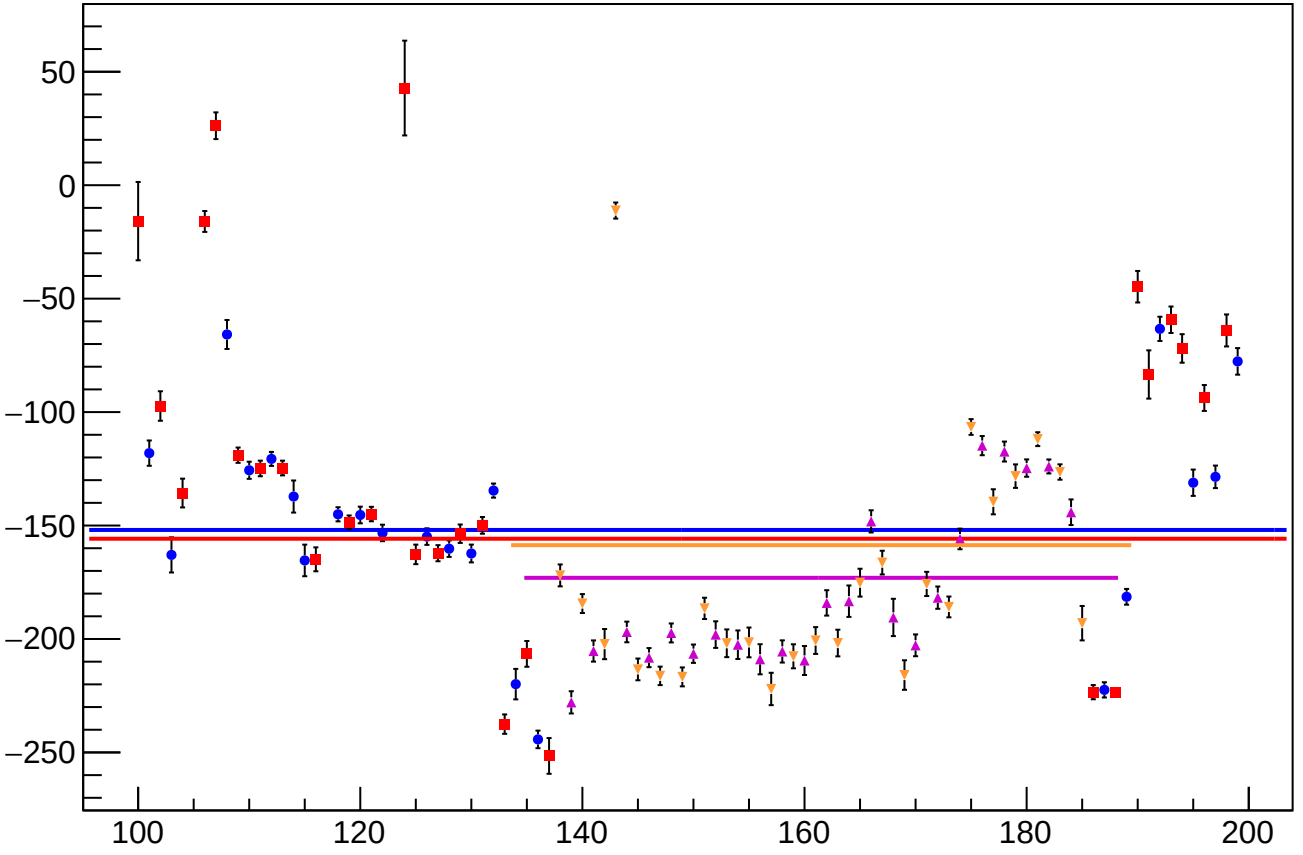
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 1.184+/-0.545 χ^2/NDF: 716.3/46

All: 1.123+/-0.389 χ^2/NDF: 1537.4/96

- sign 1.059+/-0.556 χ^2/NDF: 821.1/49

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -151.944+/-0.892 χ^2/NDF: 2088.5/21

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -155.814+/-0.797 χ^2/NDF: 6032.0/26

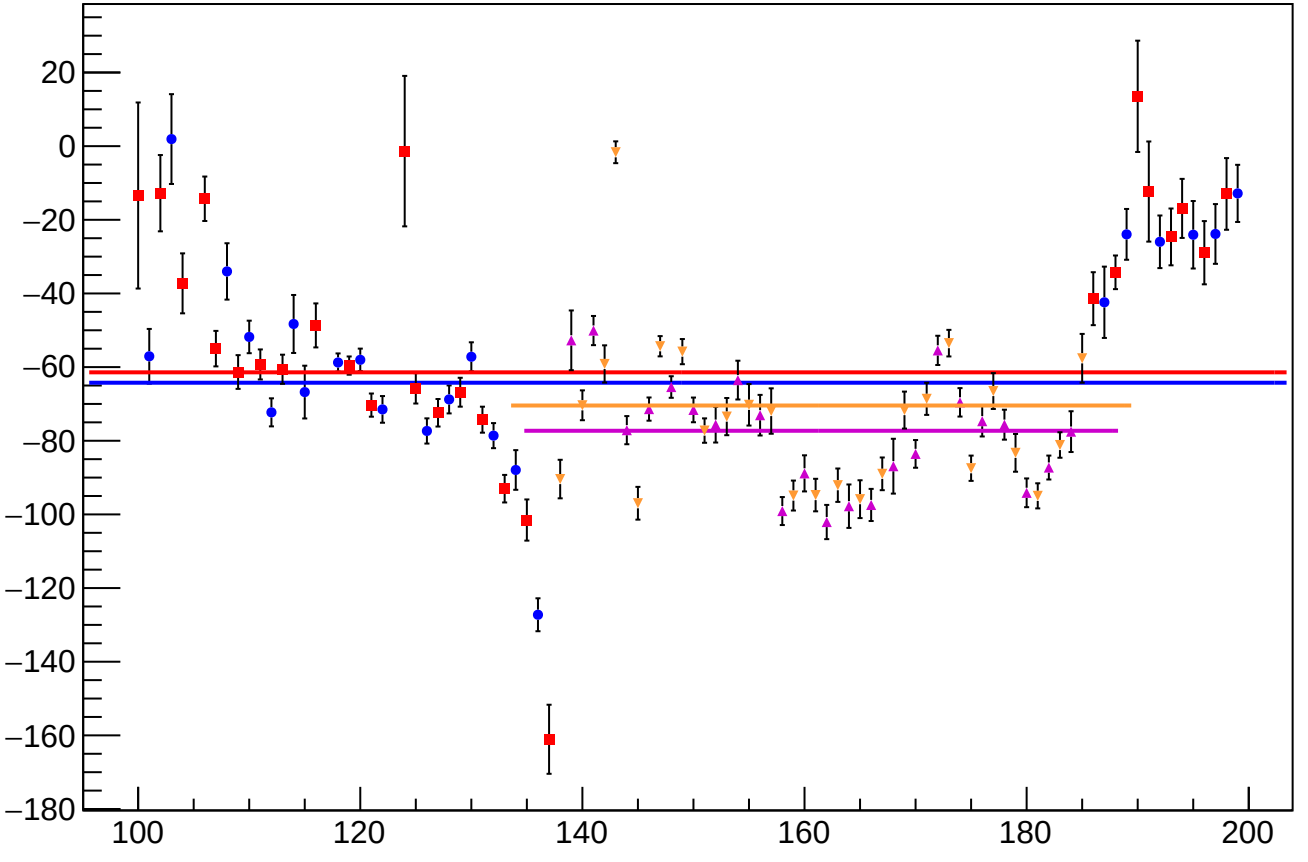
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -155.087+/-0.650 χ^2/NDF: 5606.8/46

All: -158.982+/-0.450 χ^2/NDF: 13289.8/96

- sign -162.547+/-0.622 χ^2/NDF: 7614.4/49

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -64.241+/-0.984 χ^2/NDF: 486.4/21

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -61.421+/-0.959 χ^2/NDF: 553.4/26

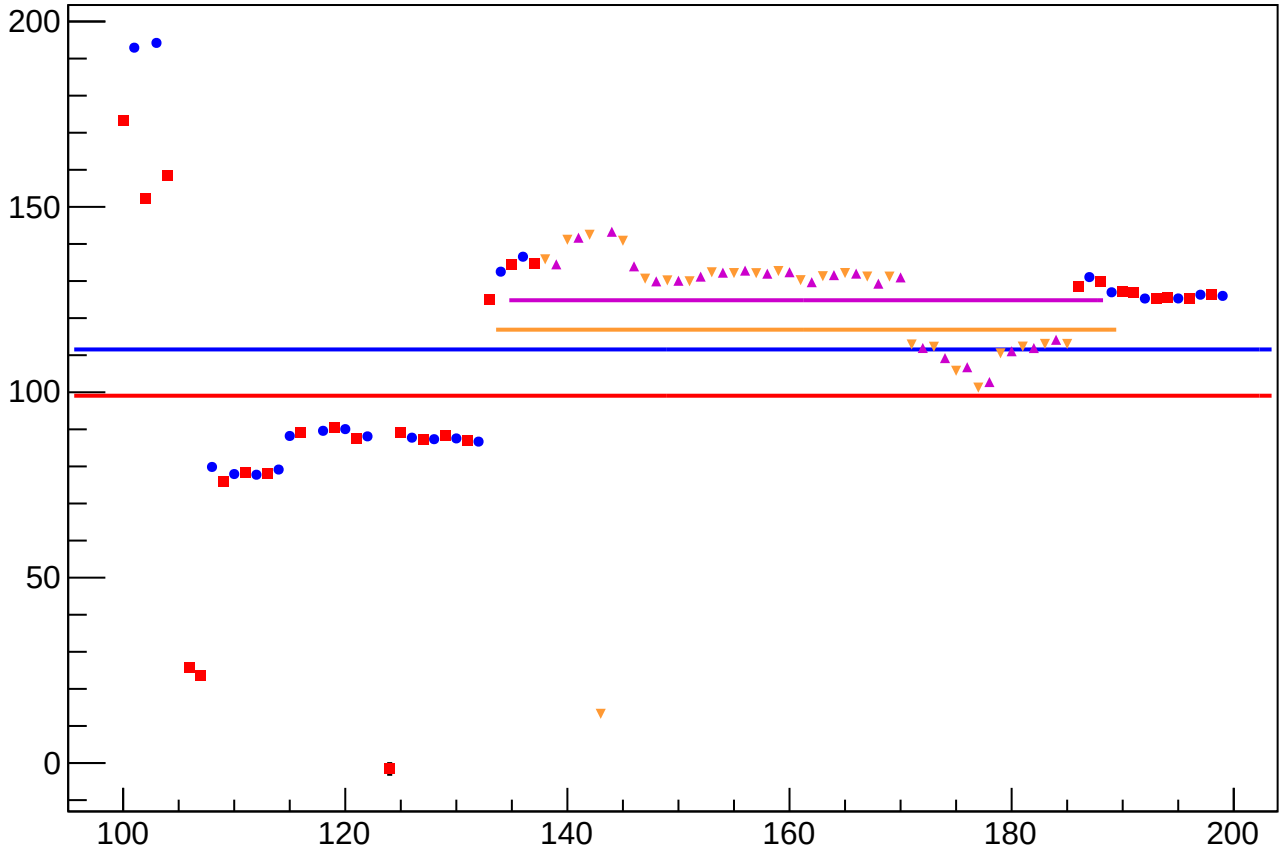
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -67.889+/-0.631 χ^2/NDF: 1411.4/46

All: -69.004+/-0.450 χ^2/NDF: 2376.2/96

- sign -70.163+/-0.643 χ^2/NDF: 958.5/49

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 111.549+/-0.060 χ^2/NDF: 263850.1/21

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 99.069+/-0.055 χ^2/NDF: 477963.2/26

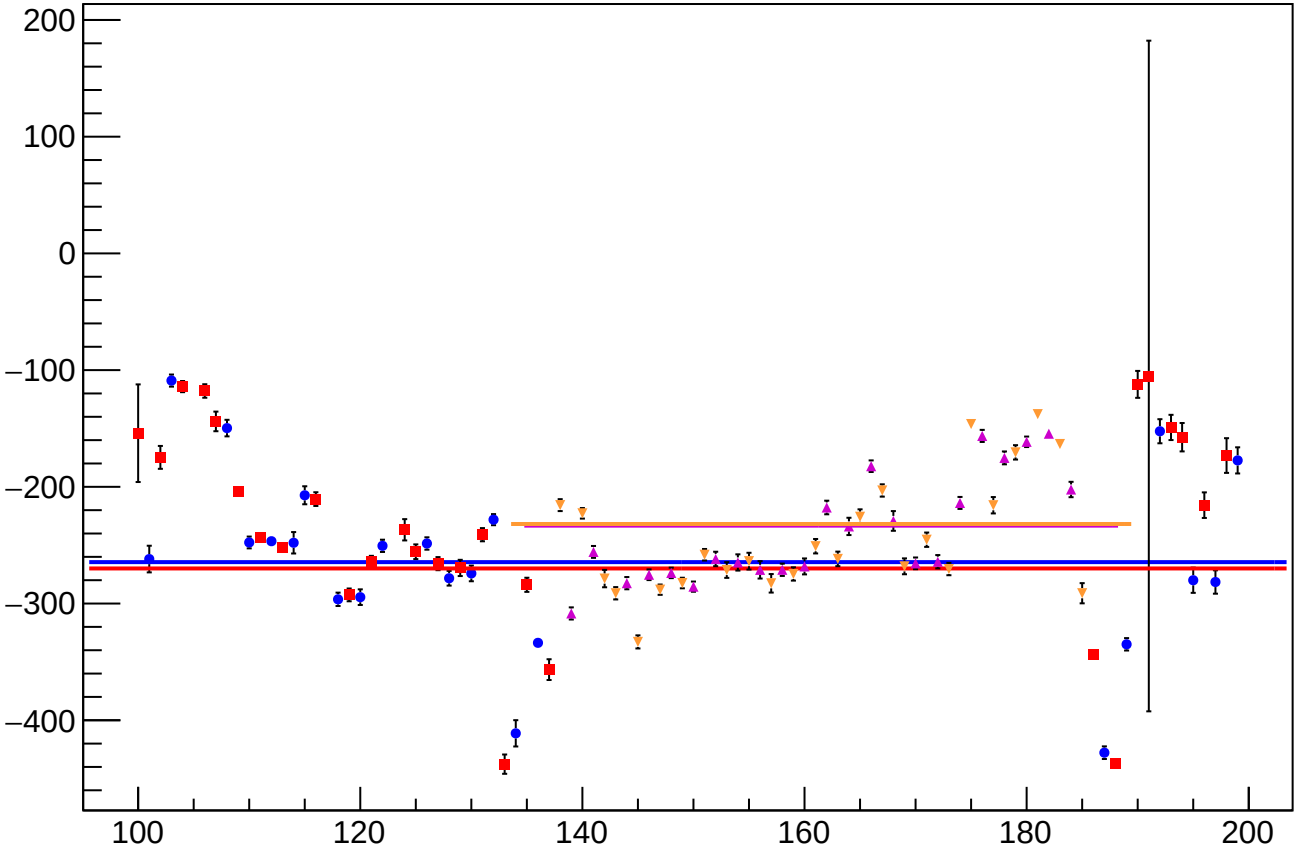
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 115.340+/-0.032 χ^2/NDF: 892623.1/46

All: 115.747+/-0.023 χ^2/NDF: 1603310.3/96

- sign 116.152+/-0.032 χ^2/NDF: 710366.4/49

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -264.515+/-1.303 χ^2/NDF: 3096.0/21

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -269.947+/-1.133 χ^2/NDF: 7250.7/26

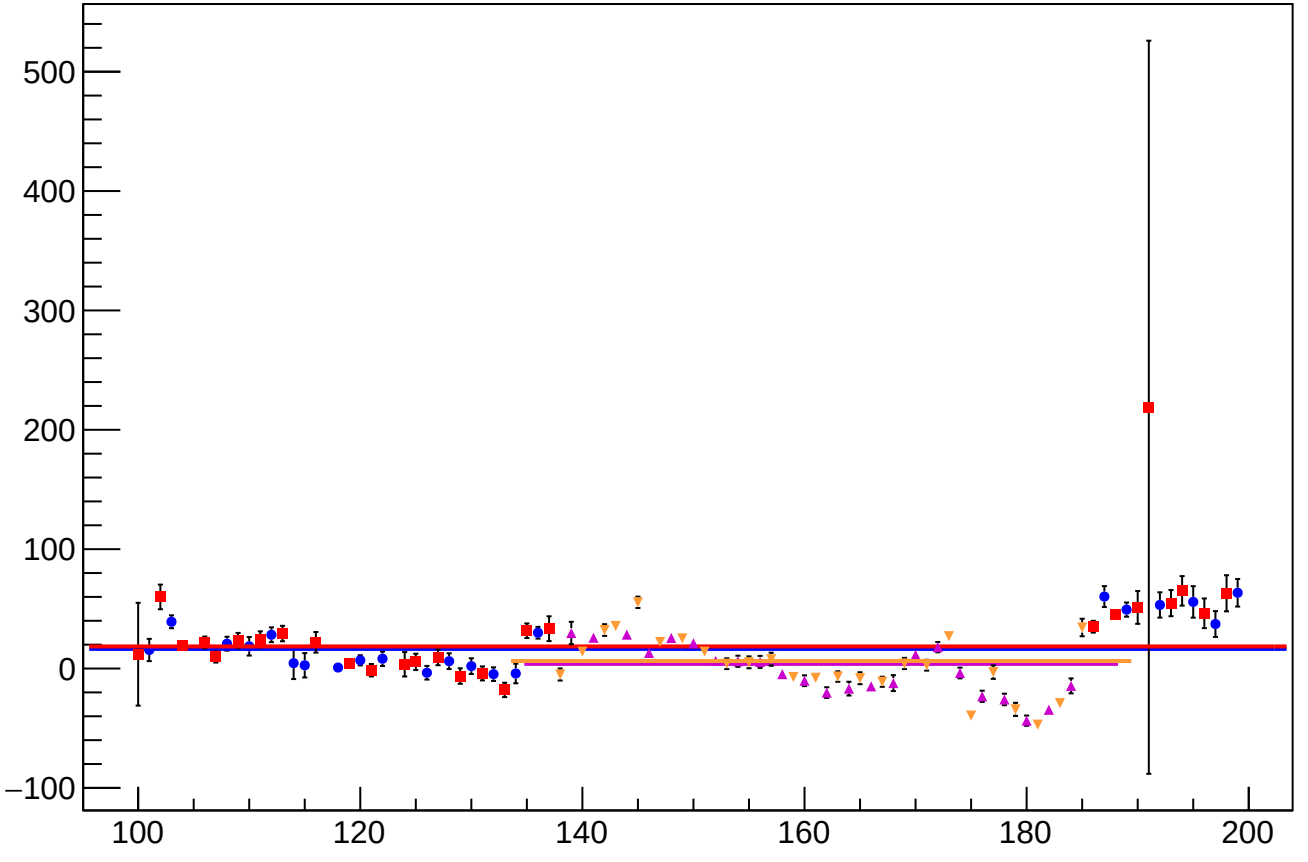
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.152+/-0.832 χ^2/NDF: 6145.2/46

All: -248.319+/-0.573 χ^2/NDF: 16026.8/96

- sign -251.190+/-0.792 χ^2/NDF: 9854.0/49

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 16.452+/-1.368 χ^2/NDF: 195.9/21

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 18.518+/-1.222 χ^2/NDF: 237.5/26

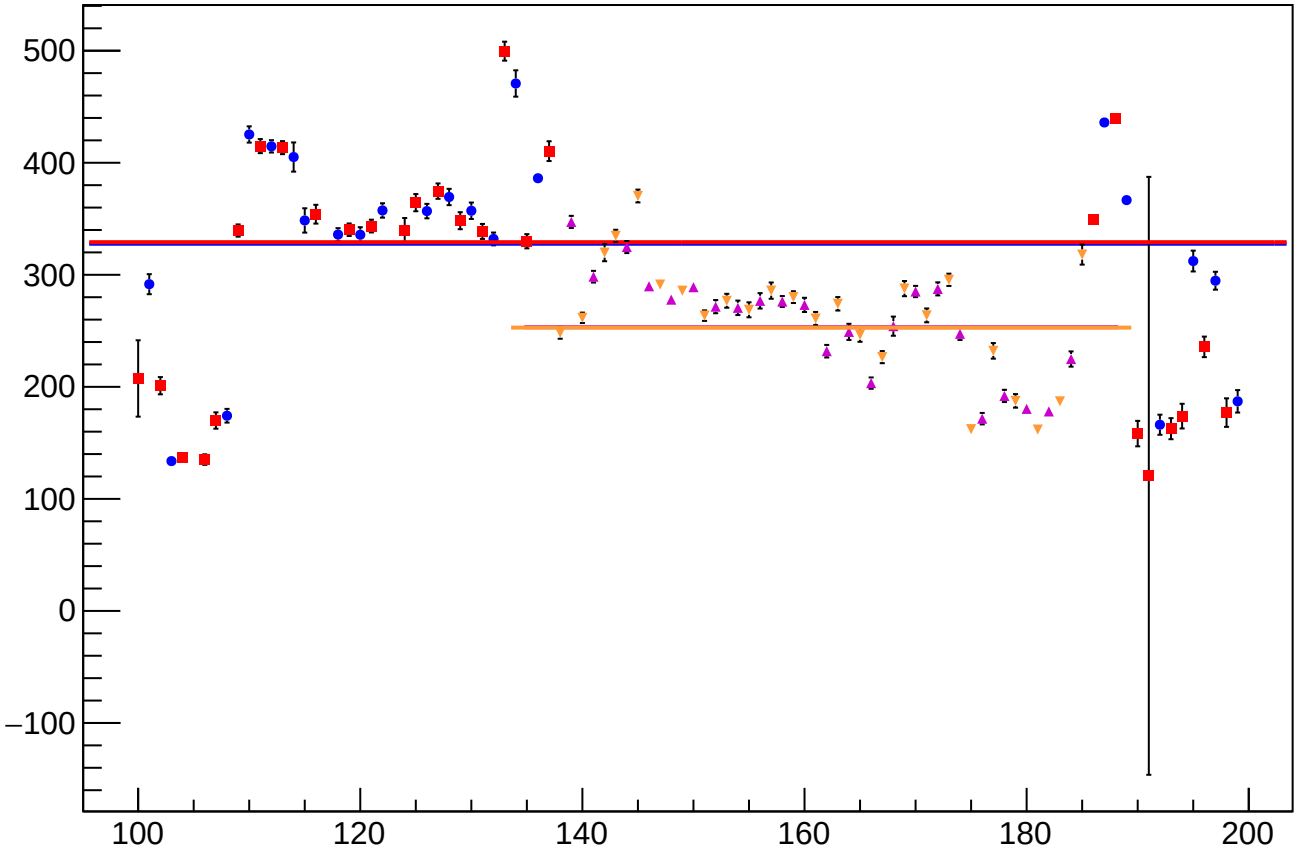
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 8.826+/-0.684 χ^2/NDF: 1108.7/46

All: 8.625+/-0.482 χ^2/NDF: 2095.3/96

- sign 8.427+/-0.680 χ^2/NDF: 986.4/49

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 327.720+/-1.350 χ^2/NDF: 5032.0/21

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 329.124+/-1.130 χ^2/NDF: 9305.0/26

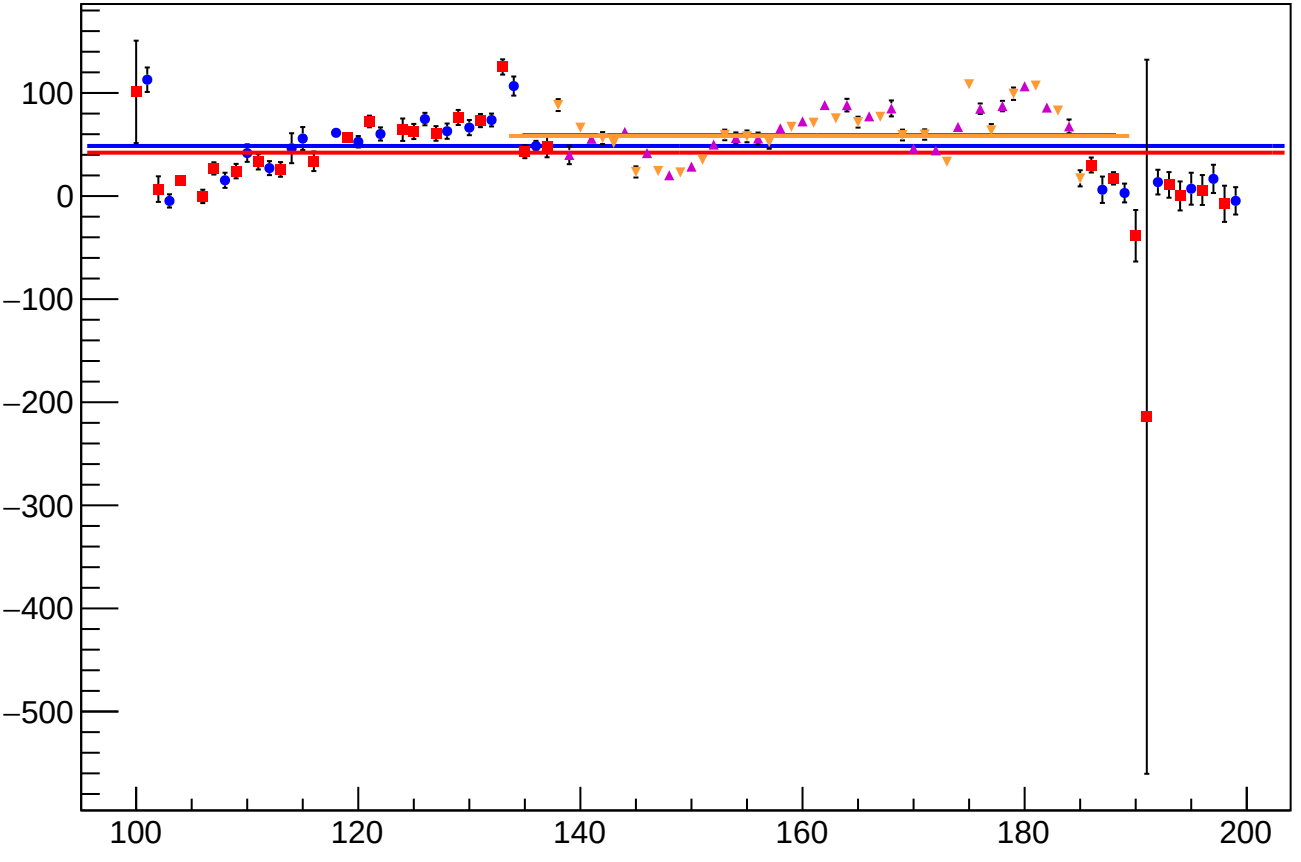
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 281.768+/-0.839 χ^2/NDF: 9497.2/46

All: 286.120+/-0.573 χ^2/NDF: 23241.1/96

- sign 289.939+/-0.786 χ^2/NDF: 13693.4/49

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 48.596+/-1.608 χ^2/NDF: 298.8/21

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 42.103+/-1.472 χ^2/NDF: 394.2/26

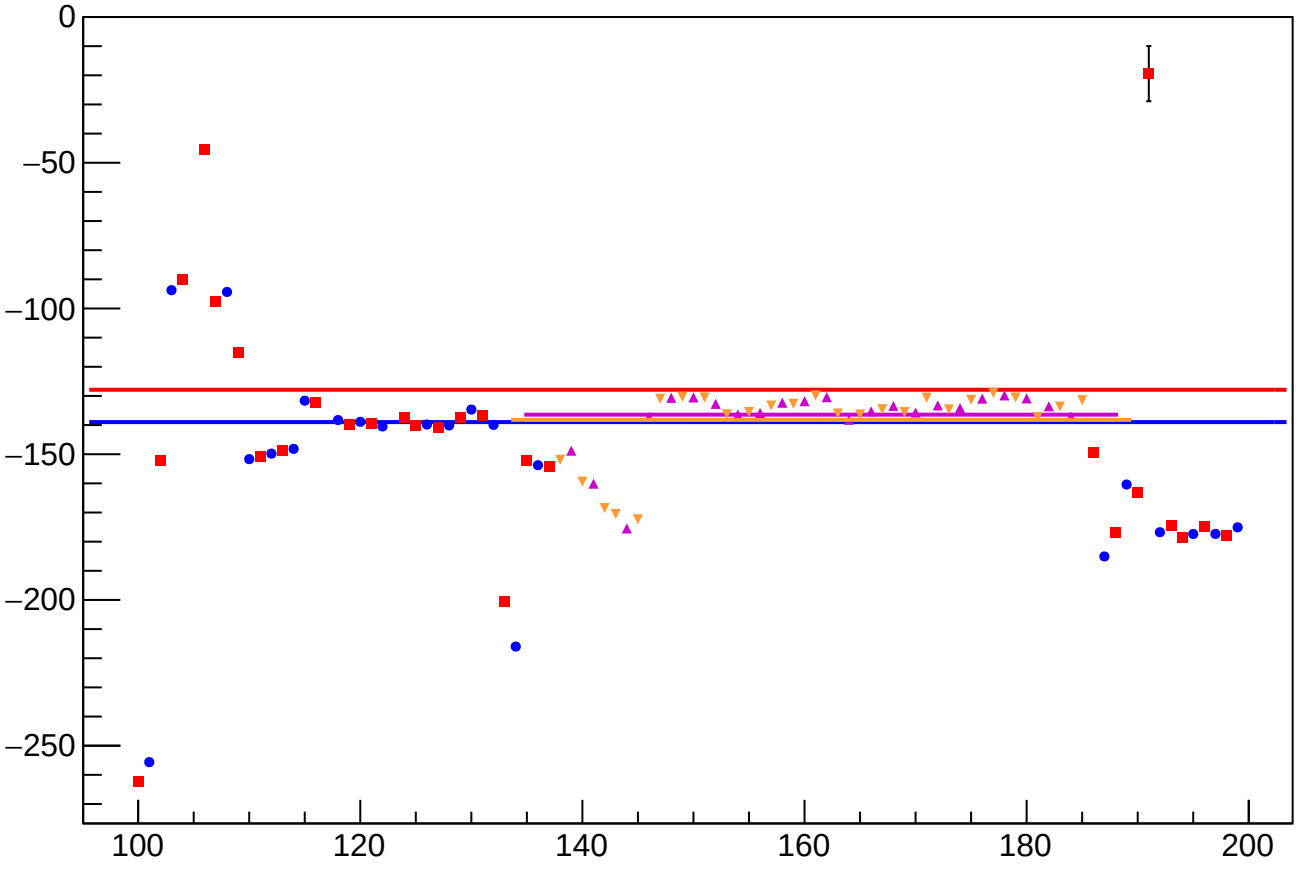
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 55.945+/-0.793 χ^2/NDF: 1176.6/46

All: 55.082+/-0.560 χ^2/NDF: 2301.0/96

- sign 54.224+/-0.791 χ^2/NDF: 1122.0/49

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -138.981+/-0.081 χ^2/NDF: 221846.0/21

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -127.885+/-0.076 χ^2/NDF: 302482.8/26

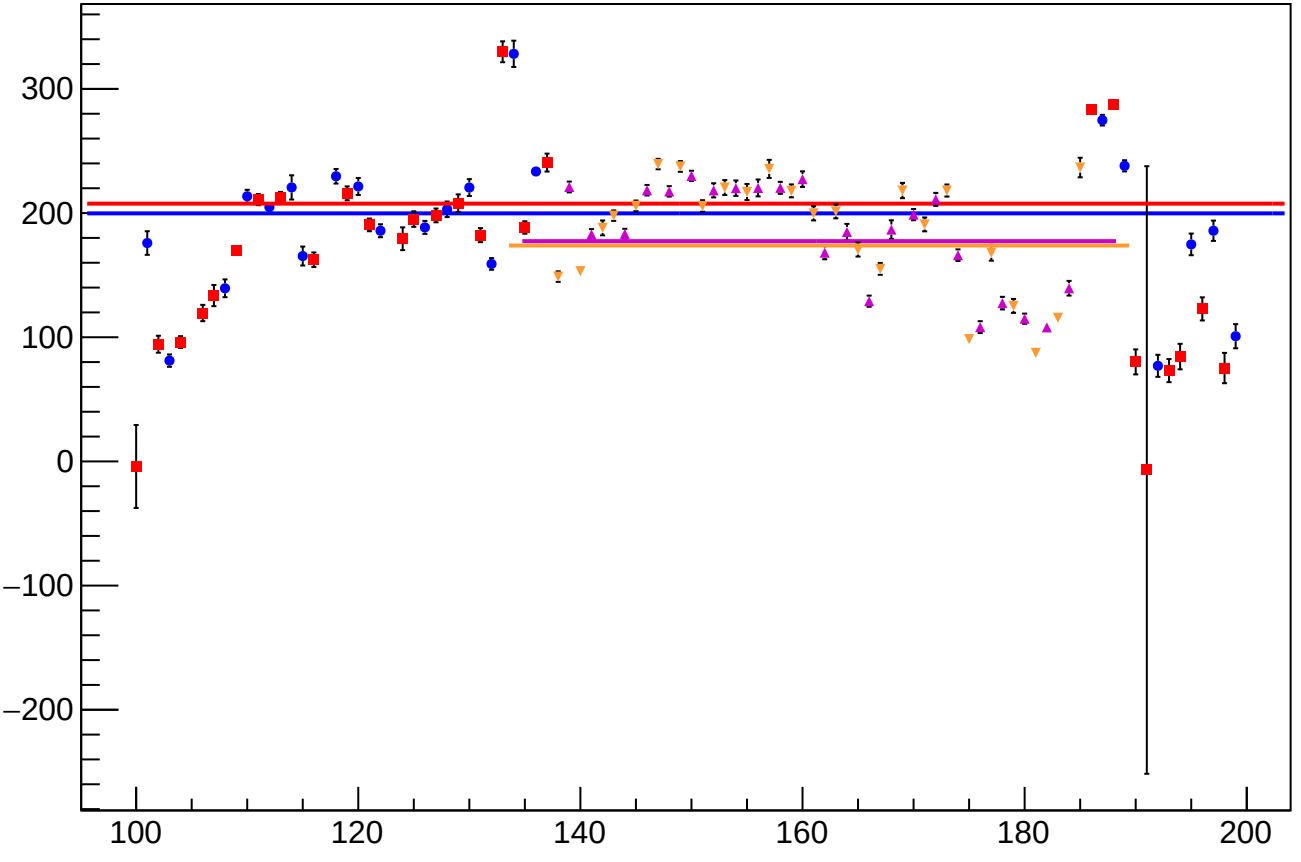
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -138.381+/-0.038 χ^2/NDF: 303743.6/46

All: -136.361+/-0.027 χ^2/NDF: 671267.7/96

- sign -134.376+/-0.037 χ^2/NDF: 361826.7/49

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 199.771+/-1.230 χ^2/NDF: 1735.4/21

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 207.598+/-1.064 χ^2/NDF: 3908.3/26

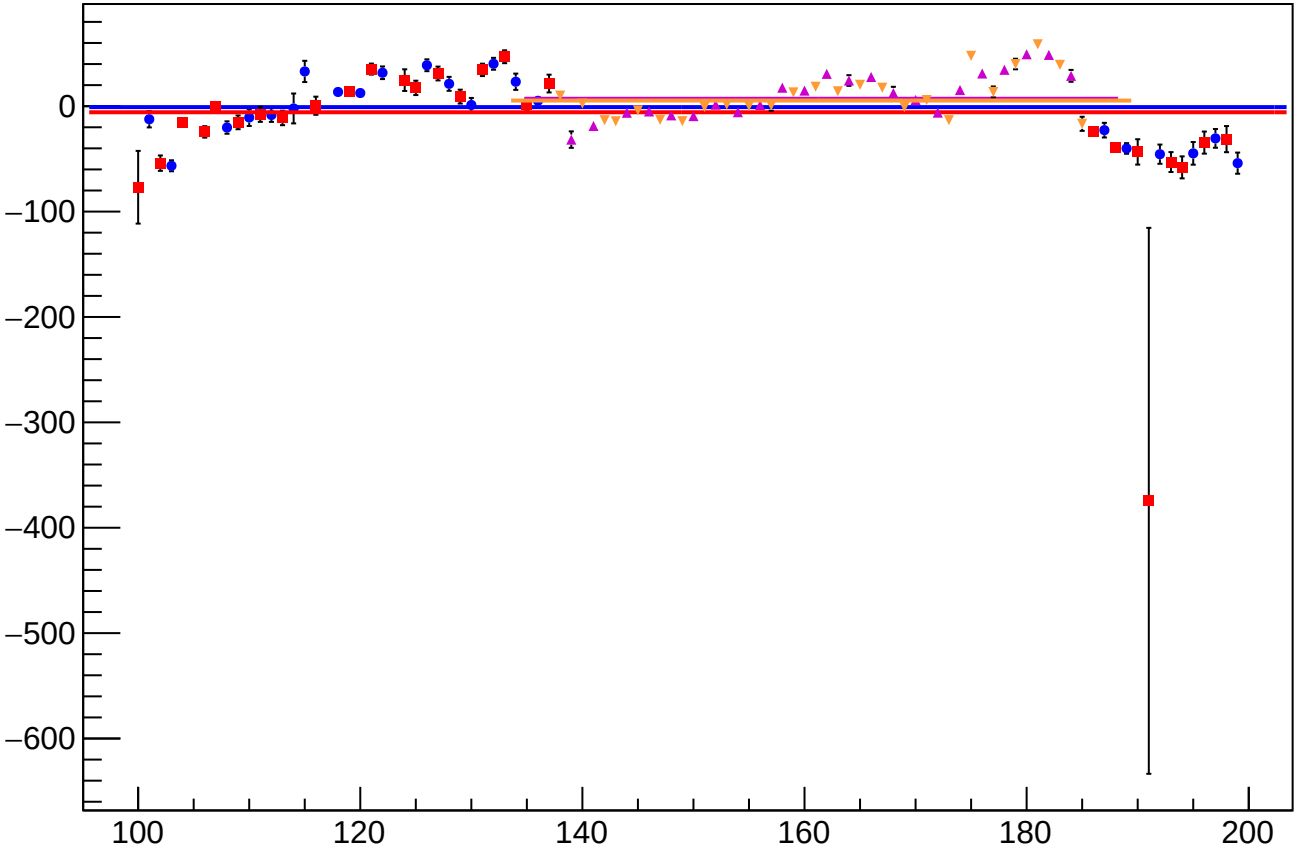
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 183.694+/-0.758 χ^2/NDF: 4638.2/46

All: 187.758+/-0.525 χ^2/NDF: 10994.2/96

- sign 191.497+/-0.727 χ^2/NDF: 6300.7/49

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -0.868+/-1.309 χ^2/NDF: 473.0/21

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -5.747+/-1.167 χ^2/NDF: 551.1/26

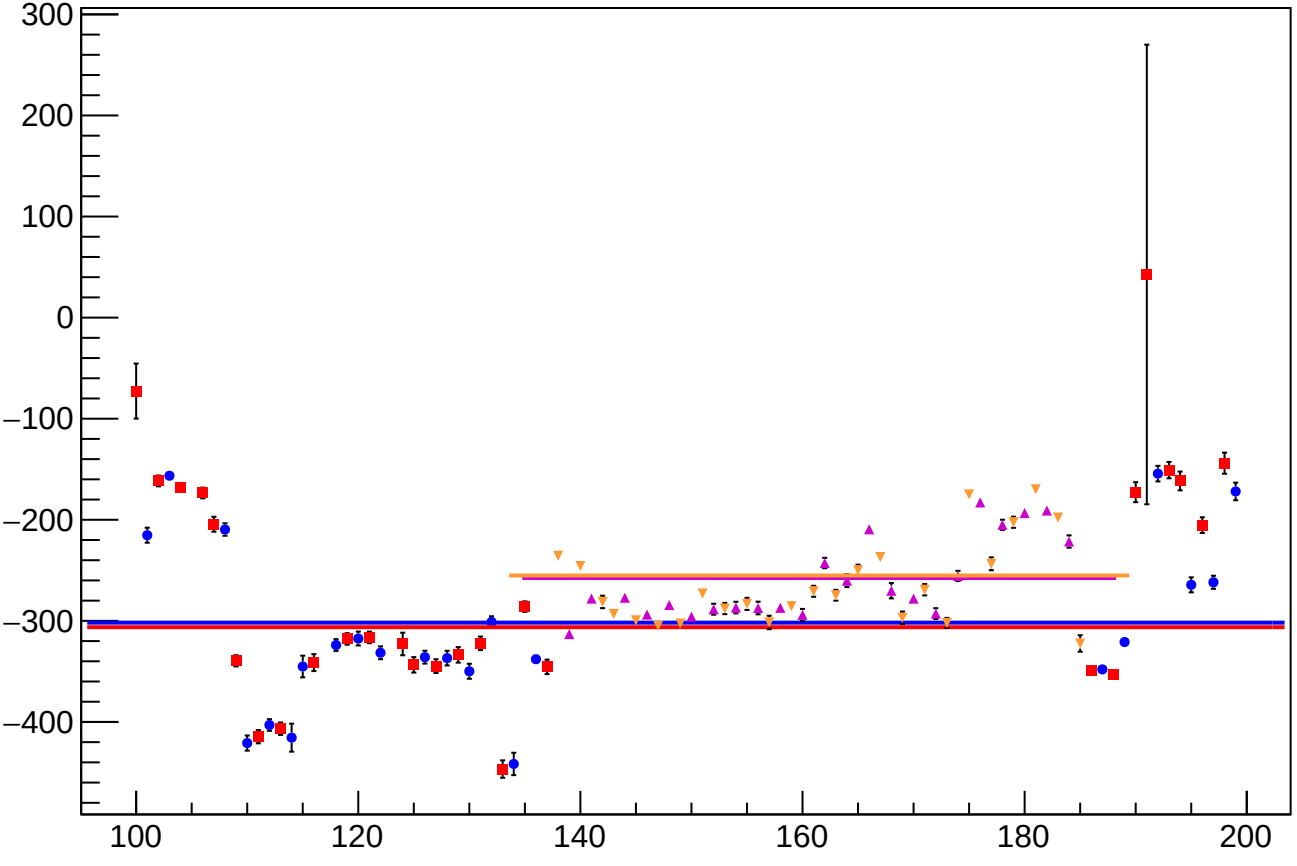
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

\+ sign 3.945+/-0.624 χ^2/NDF: 1300.4/46

All: 3.663+/-0.442 χ^2/NDF: 2647.3/96

\- sign 3.380+/-0.626 χ^2/NDF: 1346.5/49

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -301.768+/-1.239 χ^2/NDF: 3635.7/21

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -306.275+/-1.028 χ^2/NDF: 6021.0/26

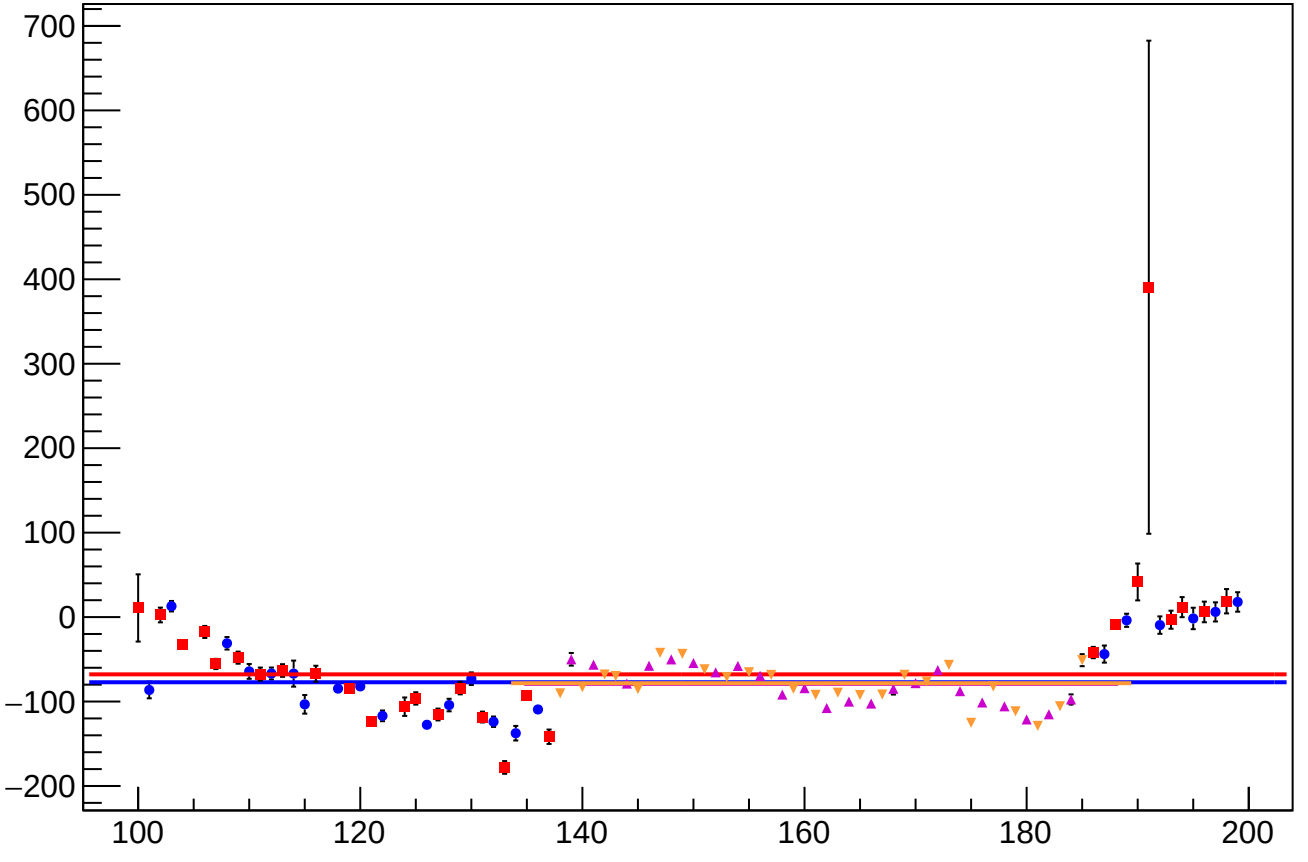
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -272.544+/-0.757 χ^2/NDF: 6869.2/46

All: -276.976+/-0.518 χ^2/NDF: 15931.6/96

- sign -280.889+/-0.711 χ^2/NDF: 8997.9/49

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -77.166+/-1.539 χ^2/NDF: 855.5/21

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -67.806+/-1.413 χ^2/NDF: 1094.1/26

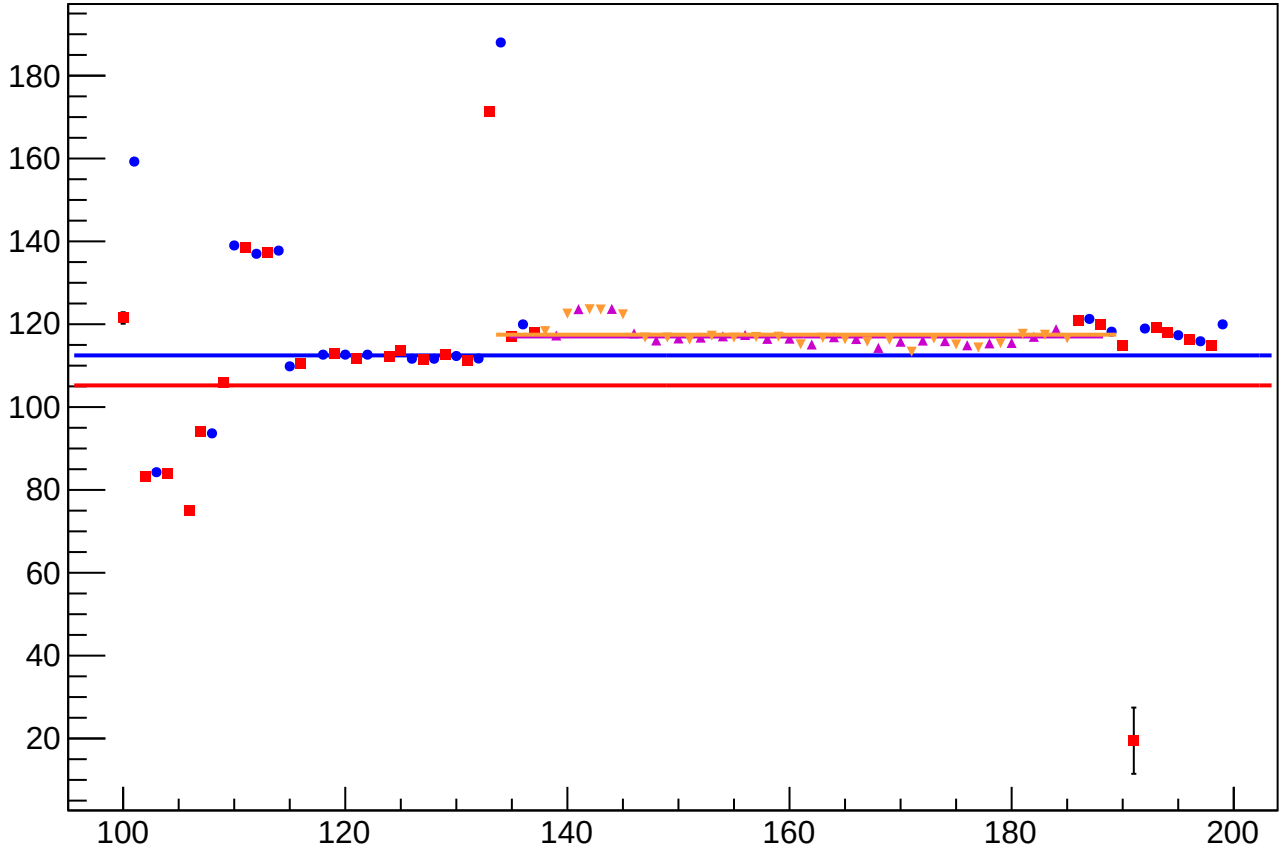
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -78.044+/-0.723 χ^2/NDF: 1724.1/46

All: -77.068+/-0.513 χ^2/NDF: 3571.1/96

- sign -76.080+/-0.728 χ^2/NDF: 1843.4/49

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.473+/-0.075 χ^2/NDF: 85561.9/21

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 105.229+/-0.070 χ^2/NDF: 73663.6/26

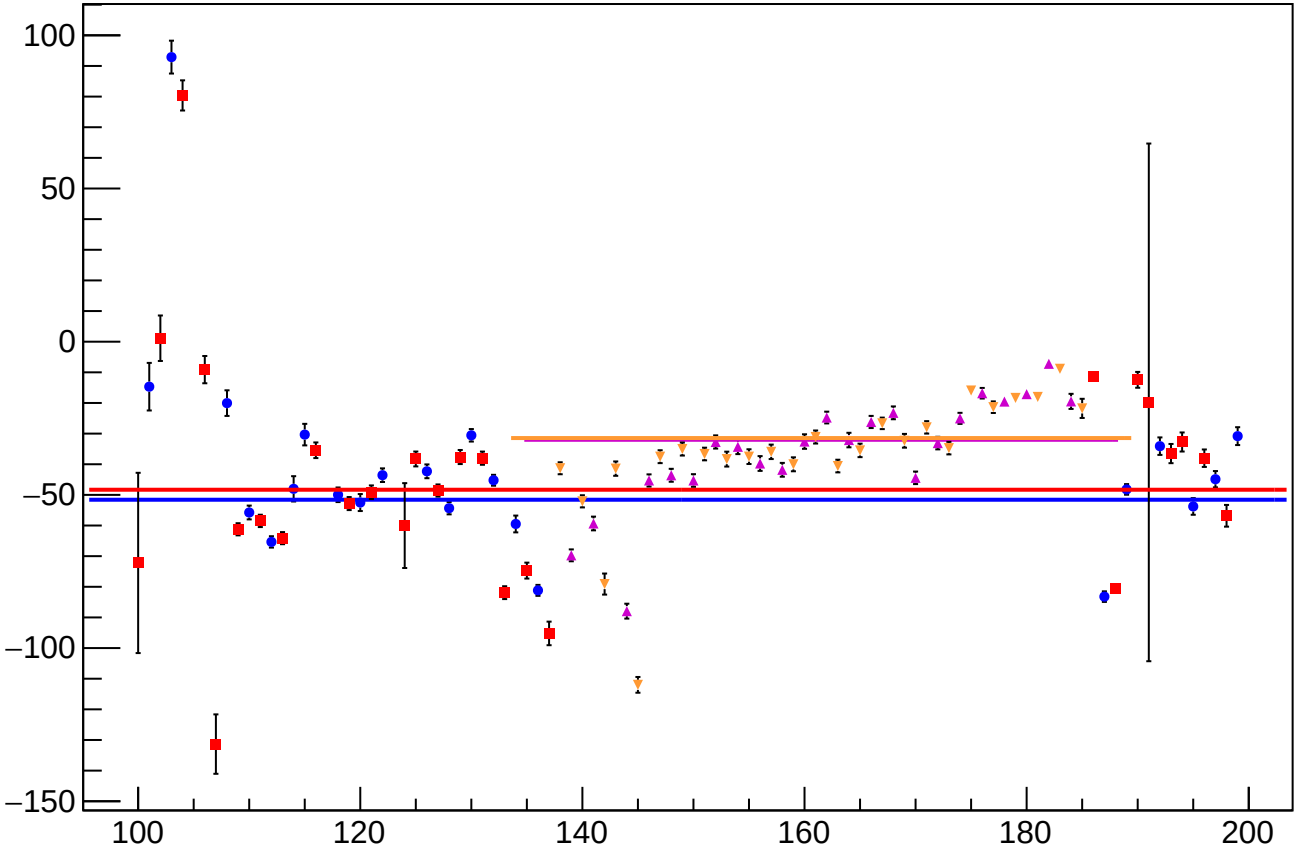
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.459+/-0.034 χ^2/NDF: 93827.8/46

All: 115.380+/-0.024 χ^2/NDF: 194573.1/96

- sign 114.306+/-0.034 χ^2/NDF: 98726.6/49

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -51.584+/-0.508 χ^2/NDF: 1768.3/21

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -48.319+/-0.439 χ^2/NDF: 4137.8/26

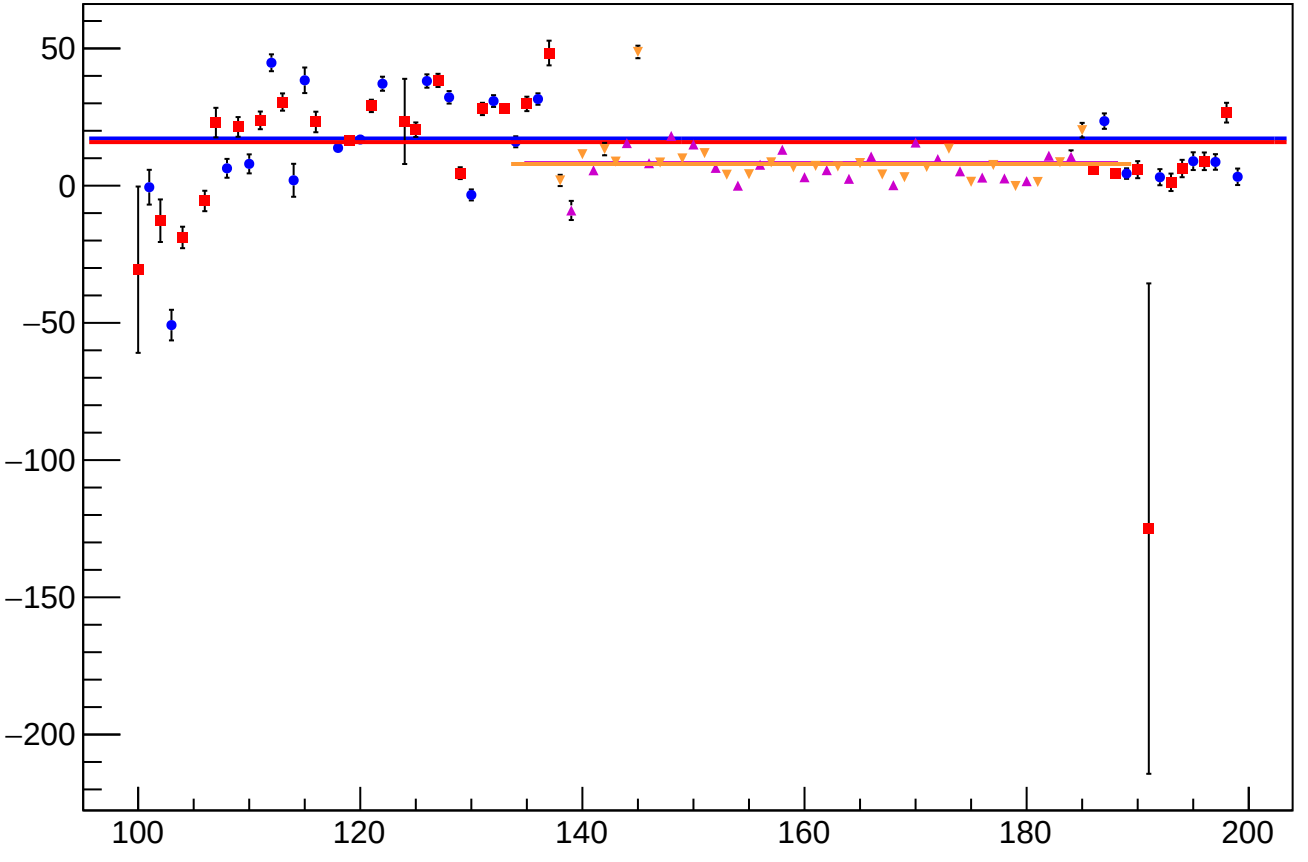
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

\+ sign -39.129+/-0.314 χ^2/NDF: 4731.9/46

All: -39.371+/-0.217 χ^2/NDF: 11522.4/96

\- sign -39.592+/-0.299 χ^2/NDF: 6789.3/49

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 17.189+/-0.533 χ^2/NDF: 768.0/21

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 15.867+/-0.489 χ^2/NDF: 674.0/26

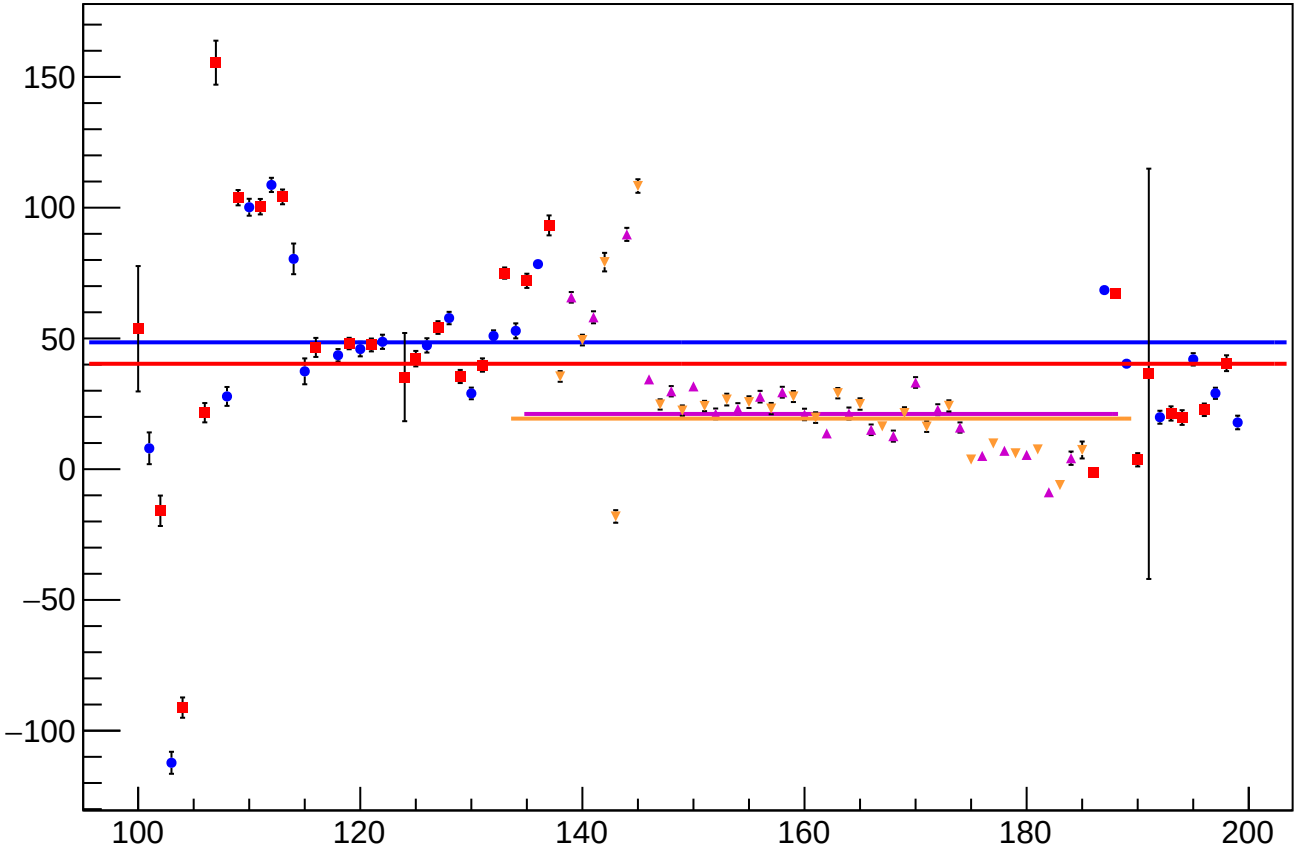
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.173+/-0.264 χ^2/NDF: 1487.6/46

All: 10.321+/-0.187 χ^2/NDF: 2673.5/96

\- sign 10.469+/-0.265 χ^2/NDF: 1185.3/49

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 48.506+/-0.518 χ^2/NDF: 3285.3/21

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 40.307+/-0.420 χ^2/NDF: 7411.0/26

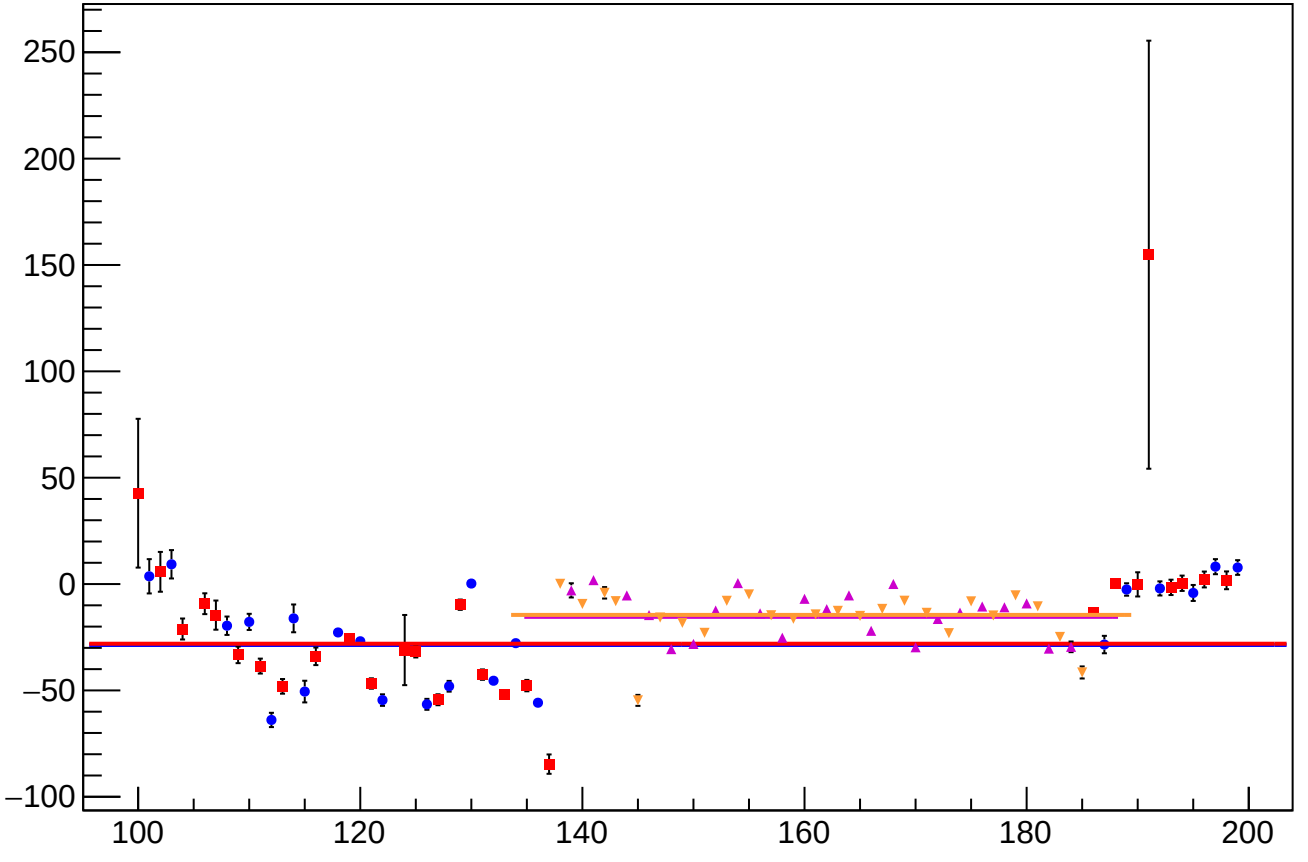
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 30.089+/-0.314 χ^2/NDF: 7971.4/46

All: 30.230+/-0.214 χ^2/NDF: 18968.0/96

- sign 30.352+/-0.292 χ^2/NDF: 10996.2/49

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -28.637+/-0.627 χ^2/NDF: 1263.7/21

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -28.050+/-0.599 χ^2/NDF: 1223.3/26

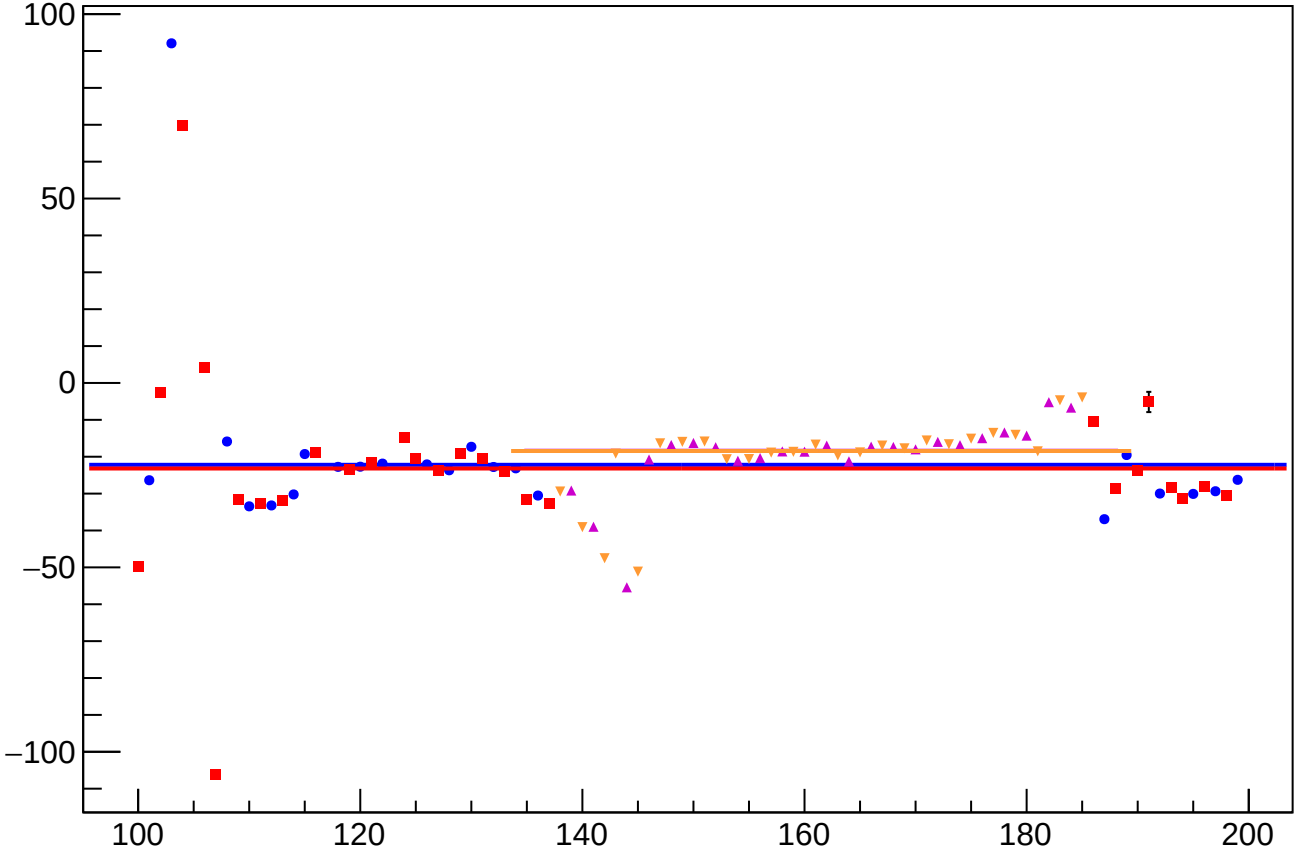
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.770+/-0.302 χ^2/NDF: 2295.2/46

All: -18.233+/-0.215 χ^2/NDF: 4651.3/96

- sign -18.708+/-0.306 χ^2/NDF: 2351.3/49

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -22.192+/-0.032 χ^2/NDF: 456543.0/21

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -23.196+/-0.032 χ^2/NDF: 377131.8/26

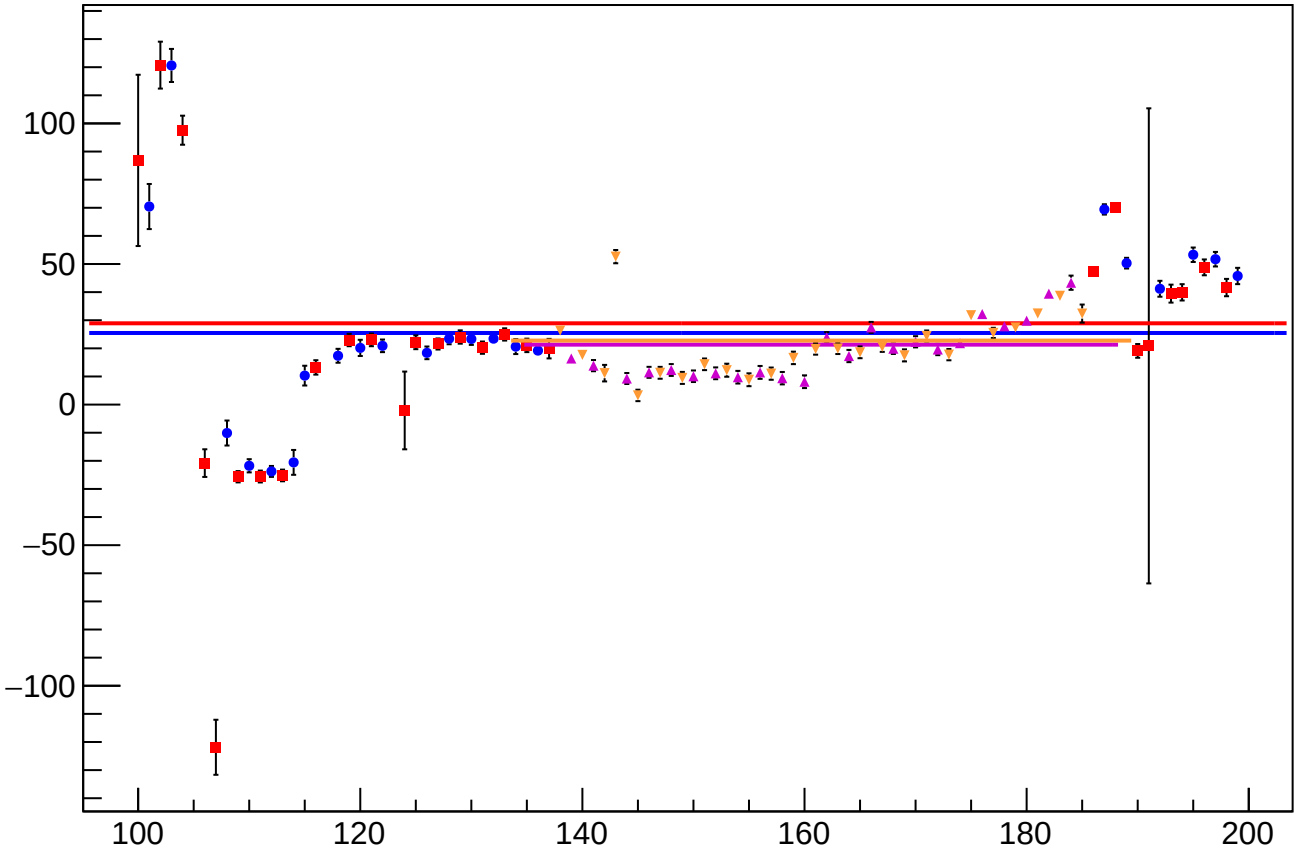
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.146+/-0.014 χ^2/NDF: 762773.5/46

All: -19.223+/-0.010 χ^2/NDF: 1407958.9/96

- sign -19.303+/-0.014 χ^2/NDF: 645123.4/49

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 25.471+/-0.516 χ^2/NDF: 2618.3/21

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 28.913+/-0.460 χ^2/NDF: 4622.8/26

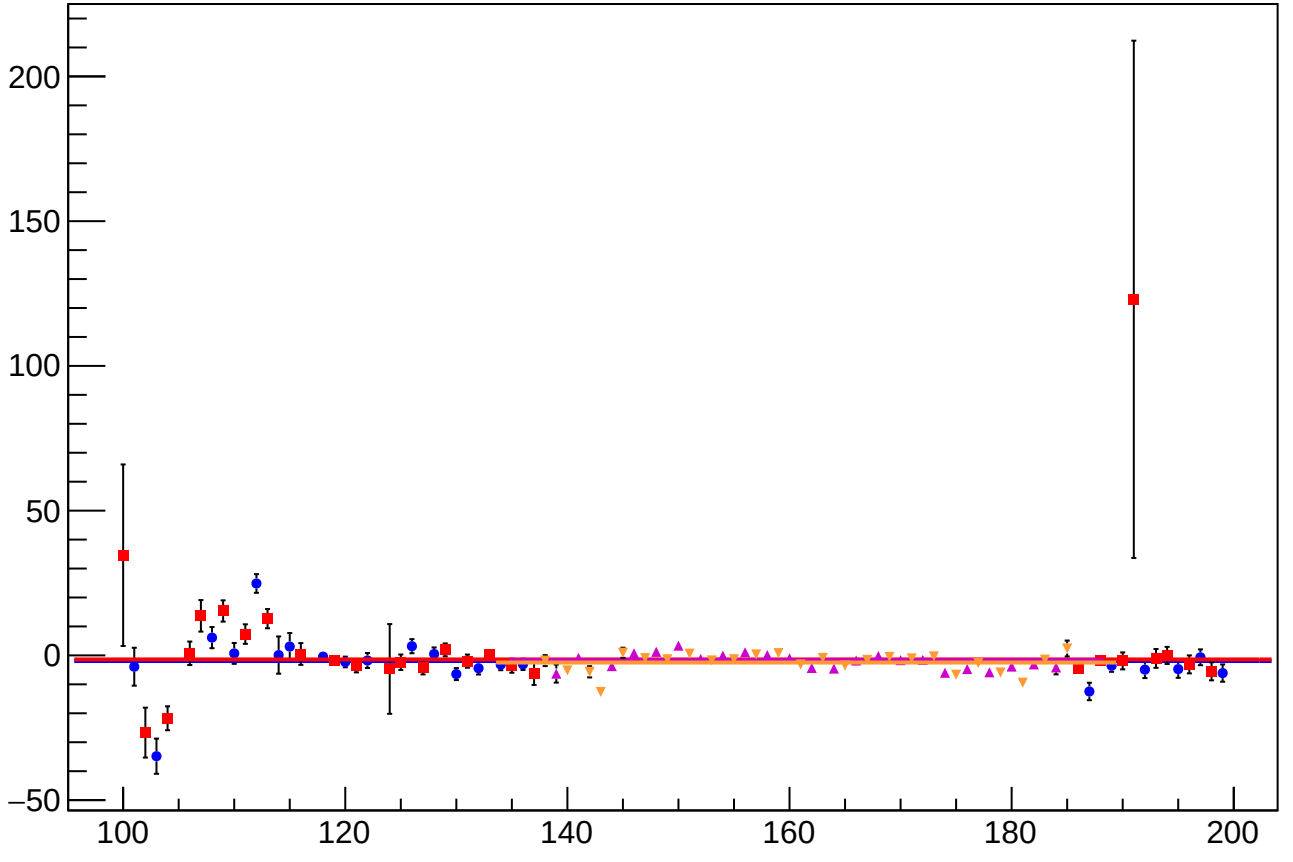
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 23.727+/-0.307 χ^2/NDF: 3358.8/46

All: 24.138+/-0.214 χ^2/NDF: 8772.6/96

- sign 24.527+/-0.299 χ^2/NDF: 5410.2/49

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.944+/-0.541 χ^2/NDF: 135.6/21

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.401+/-0.510 χ^2/NDF: 103.6/26

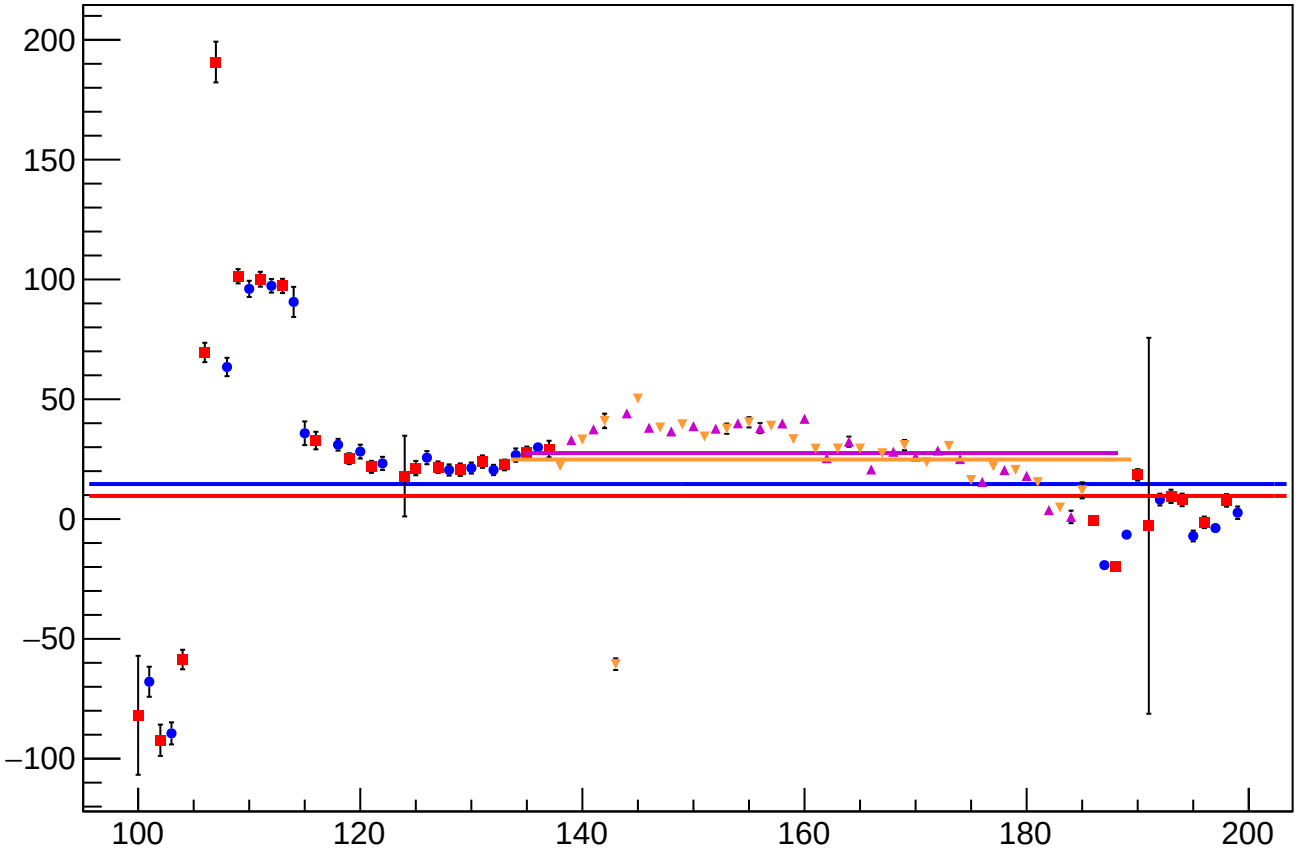
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.349+/-0.258 χ^2/NDF: 253.0/46

All: -1.975+/-0.183 χ^2/NDF: 431.3/96

- sign -1.592+/-0.261 χ^2/NDF: 174.0/49

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 14.614+/-0.528 χ^2/NDF: 3520.8/21

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.648+/-0.447 χ^2/NDF: 5479.5/26

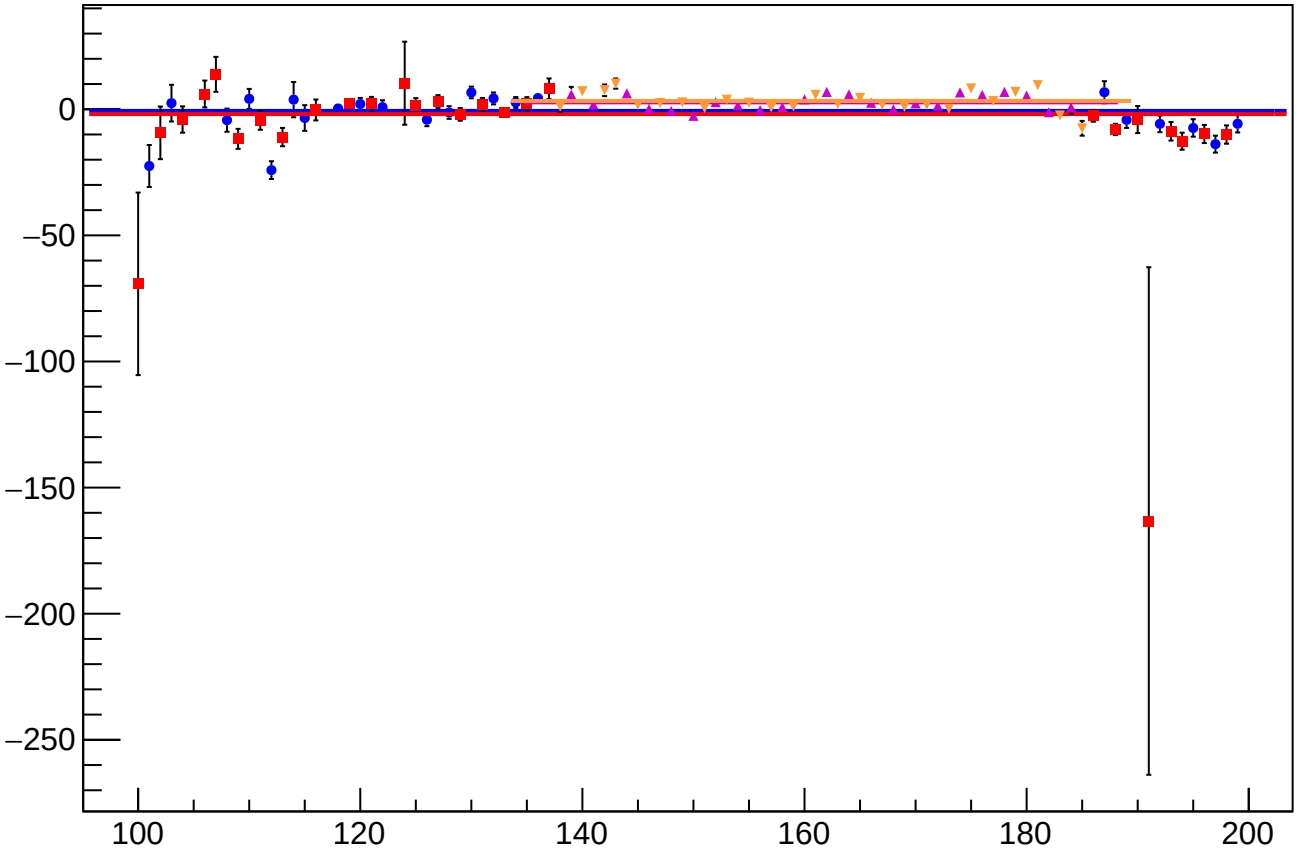
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 21.356+/-0.308 χ^2/NDF: 5817.4/46

All: 20.565+/-0.213 χ^2/NDF: 13103.3/96

- sign 19.848+/-0.294 χ^2/NDF: 7273.3/49

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.657+/-0.631 χ^2/NDF: 109.7/21

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -1.905+/-0.616 χ^2/NDF: 83.3/26

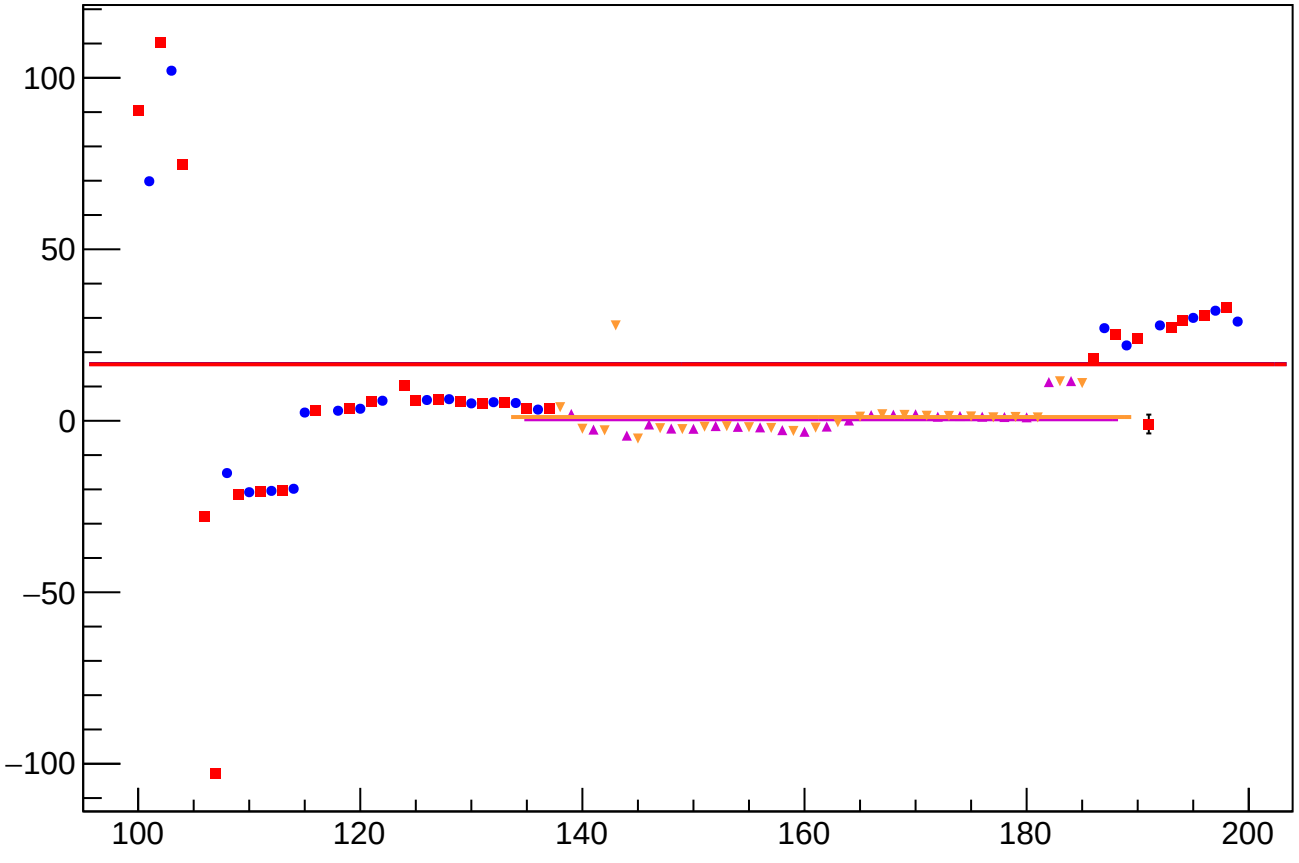
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.434+/-0.293 χ^2/NDF: 246.7/46

All: 2.044+/-0.209 χ^2/NDF: 451.3/96

- sign 1.638+/-0.299 χ^2/NDF: 201.0/49

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 16.547+/-0.032 χ^2/NDF: 439567.8/21

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 16.473+/-0.032 χ^2/NDF: 578439.8/26

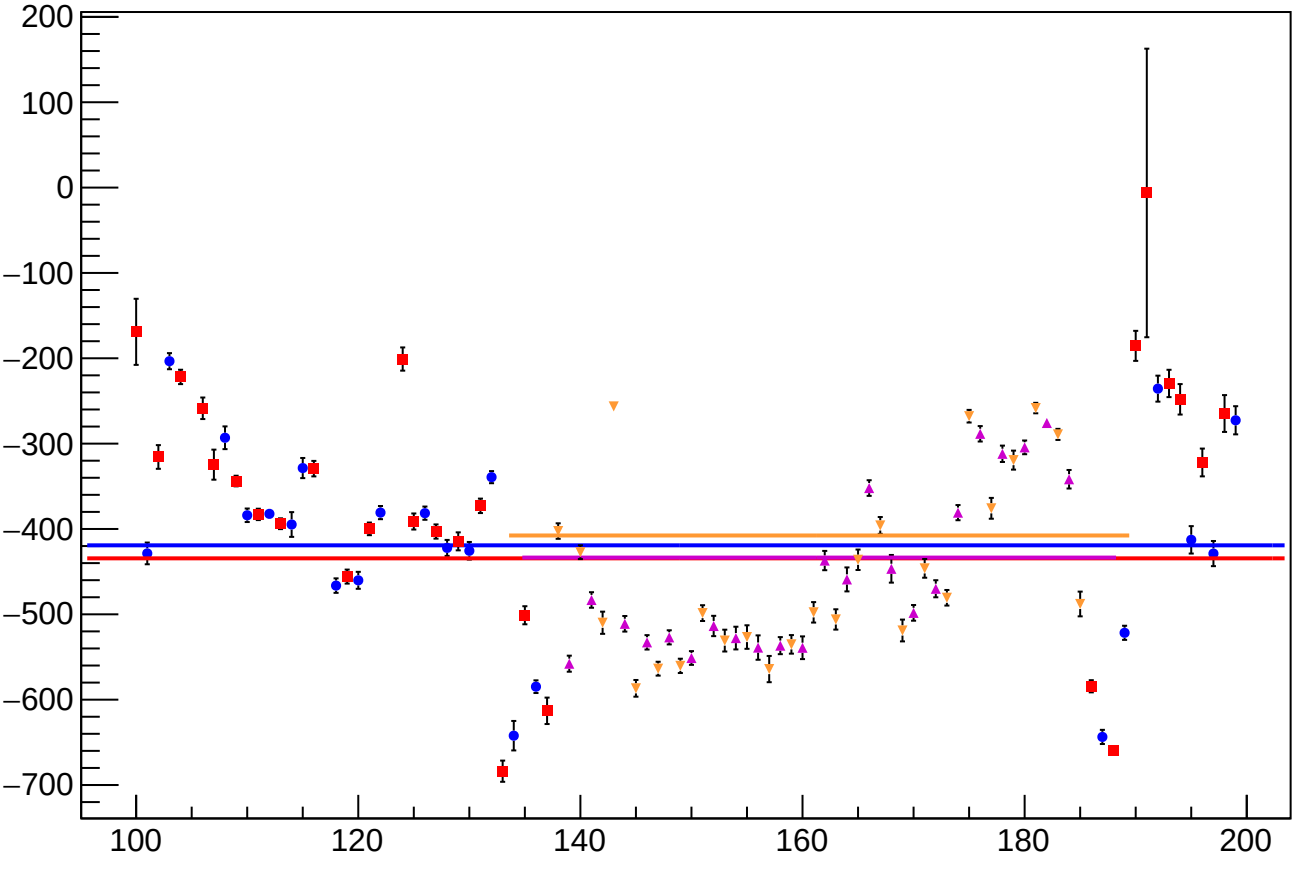
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 3.848+/-0.013 χ^2/NDF: 761664.8/46

All: 3.593+/-0.010 χ^2/NDF: 1597578.9/96

- sign 3.329+/-0.014 χ^2/NDF: 835182.4/49

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -419.164+/-2.018 χ^2/NDF: 2731.7/21

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -434.419+/-1.798 χ^2/NDF: 6090.4/26

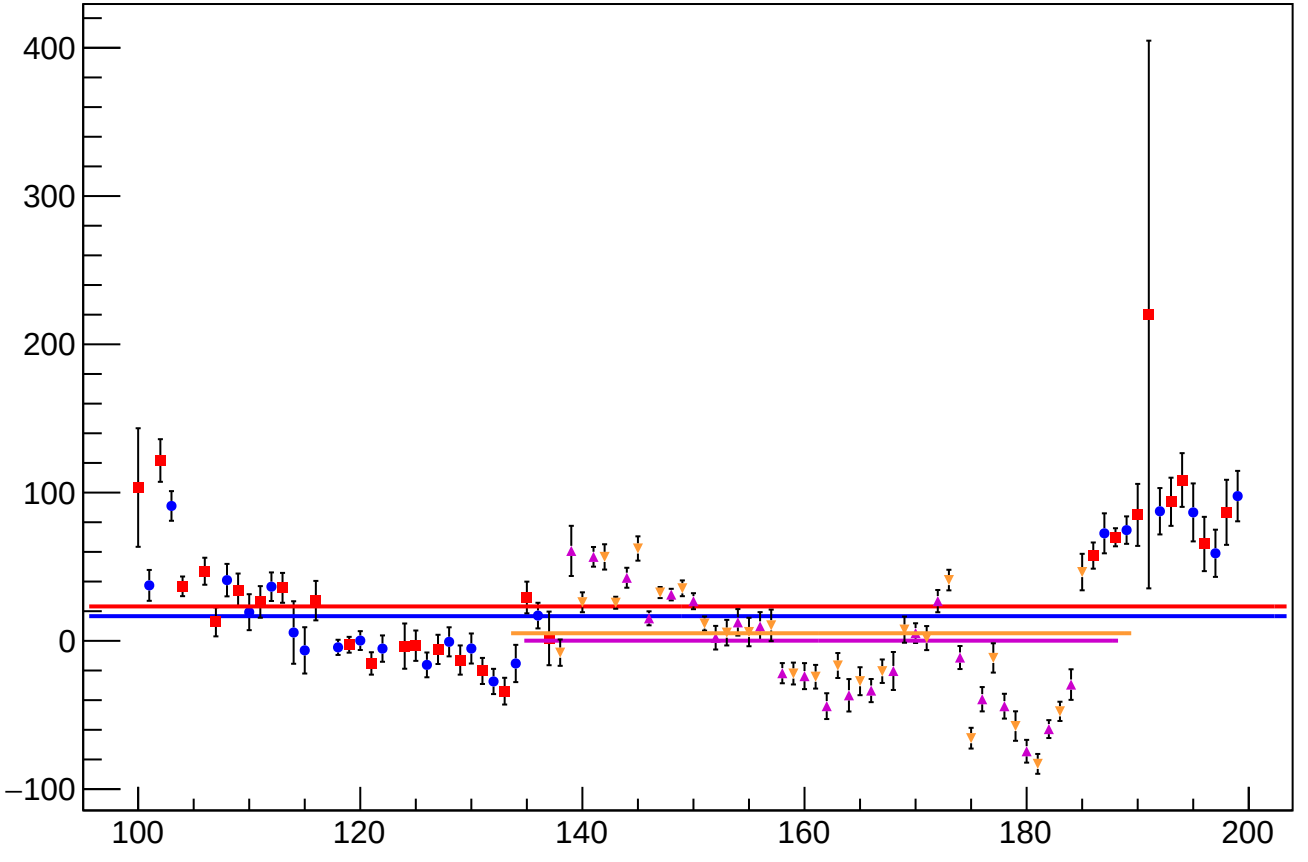
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -412.947+/-1.371 χ^2/NDF: 6755.0/46

All: -423.761+/-0.956 χ^2/NDF: 15691.3/96

- sign -434.020+/-1.335 χ^2/NDF: 8815.1/49

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.647+/-2.102 χ^2/NDF: 276.5/21

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 23.215+/-1.957 χ^2/NDF: 351.4/26

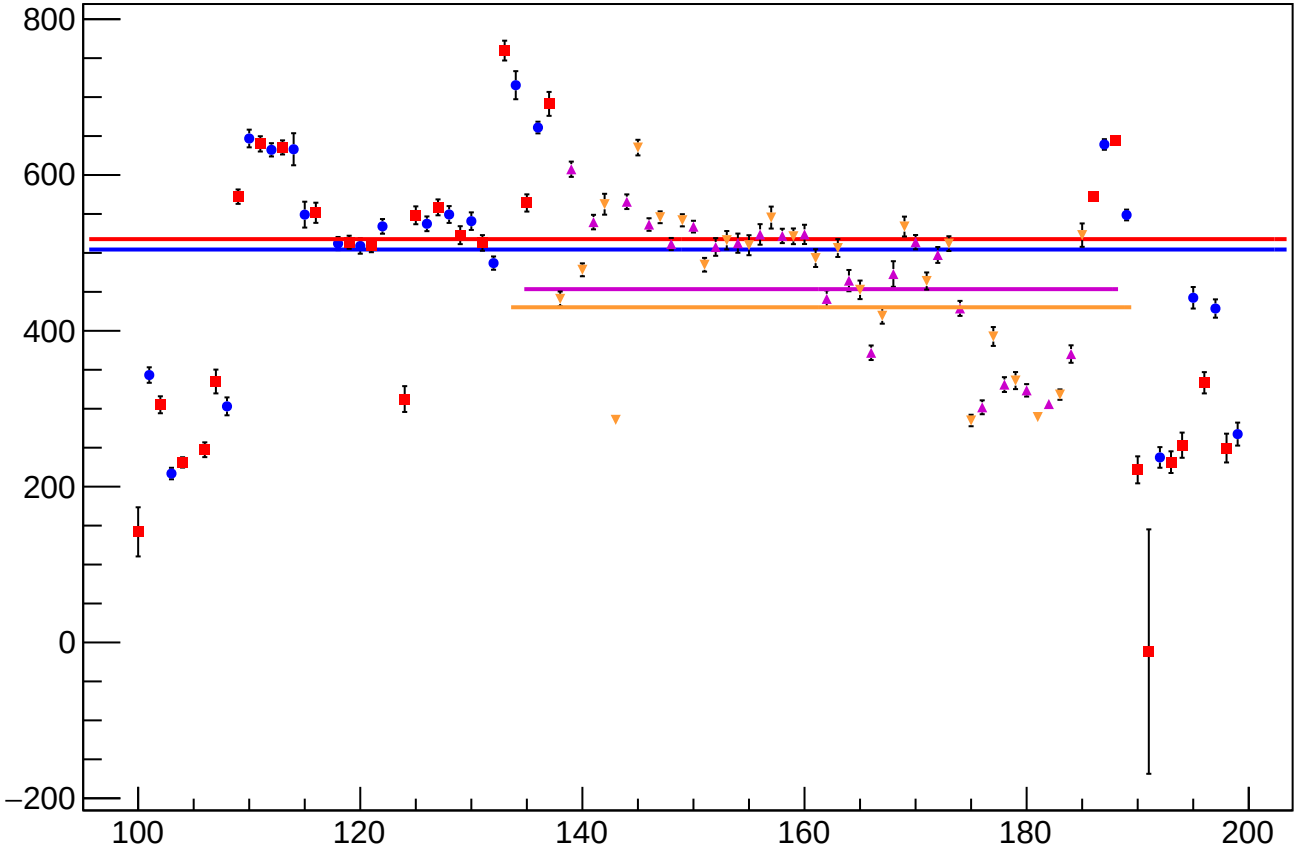
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

\+ sign 8.591+/-1.153 χ^2/NDF: 986.7/46

All: 8.592+/-0.826 χ^2/NDF: 1994.8/96

\- sign 8.593+/-1.185 χ^2/NDF: 1008.1/49

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 504.347+/-2.103 χ^2/NDF: 4293.7/21

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 517.698+/-1.809 χ^2/NDF: 7161.8/26

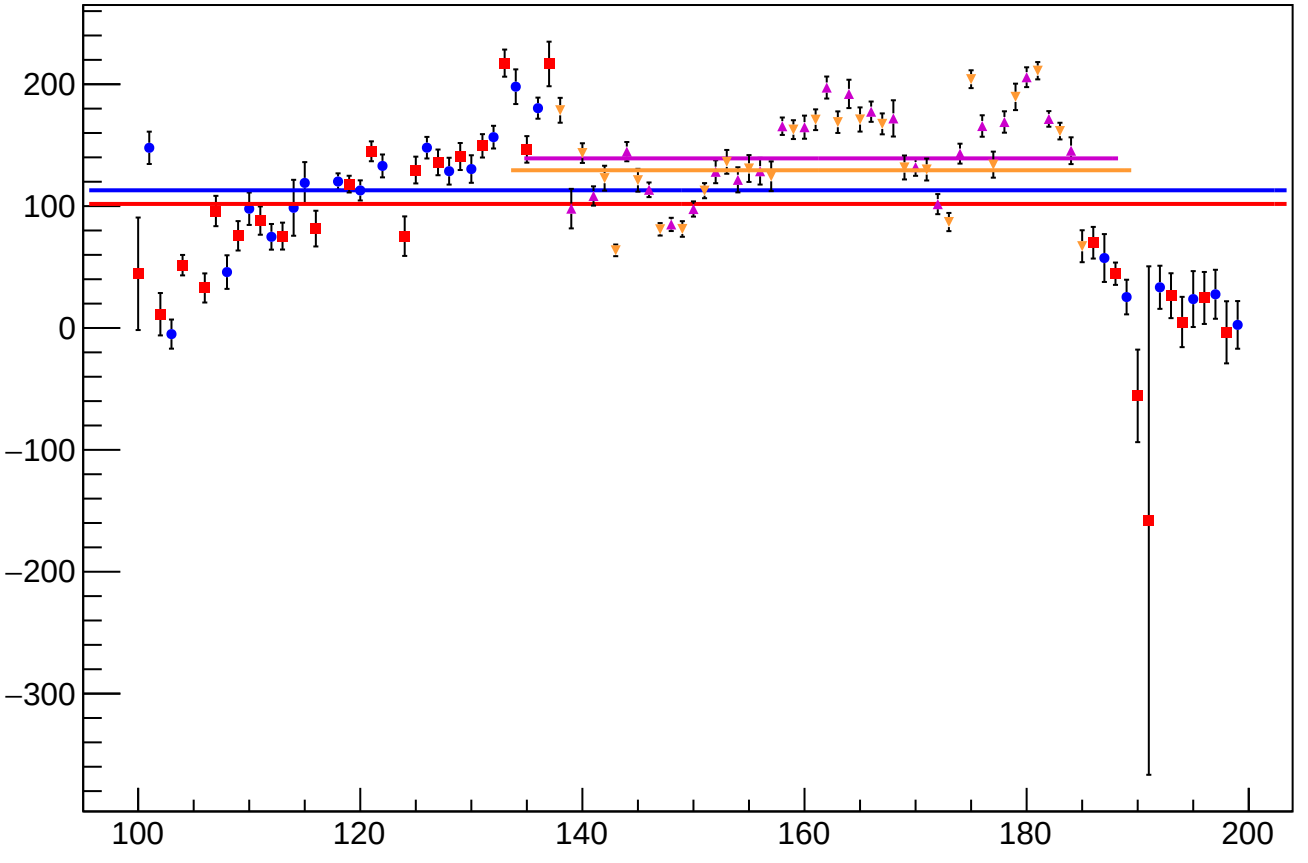
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 462.785+/-1.394 χ^2/NDF: 8395.2/46

All: 476.147+/-0.964 χ^2/NDF: 18727.6/96

- sign 488.384+/-1.334 χ^2/NDF: 10156.3/49

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 112.979+/-2.480 χ^2/NDF: 418.2/21

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 101.788+/-2.344 χ^2/NDF: 498.7/26

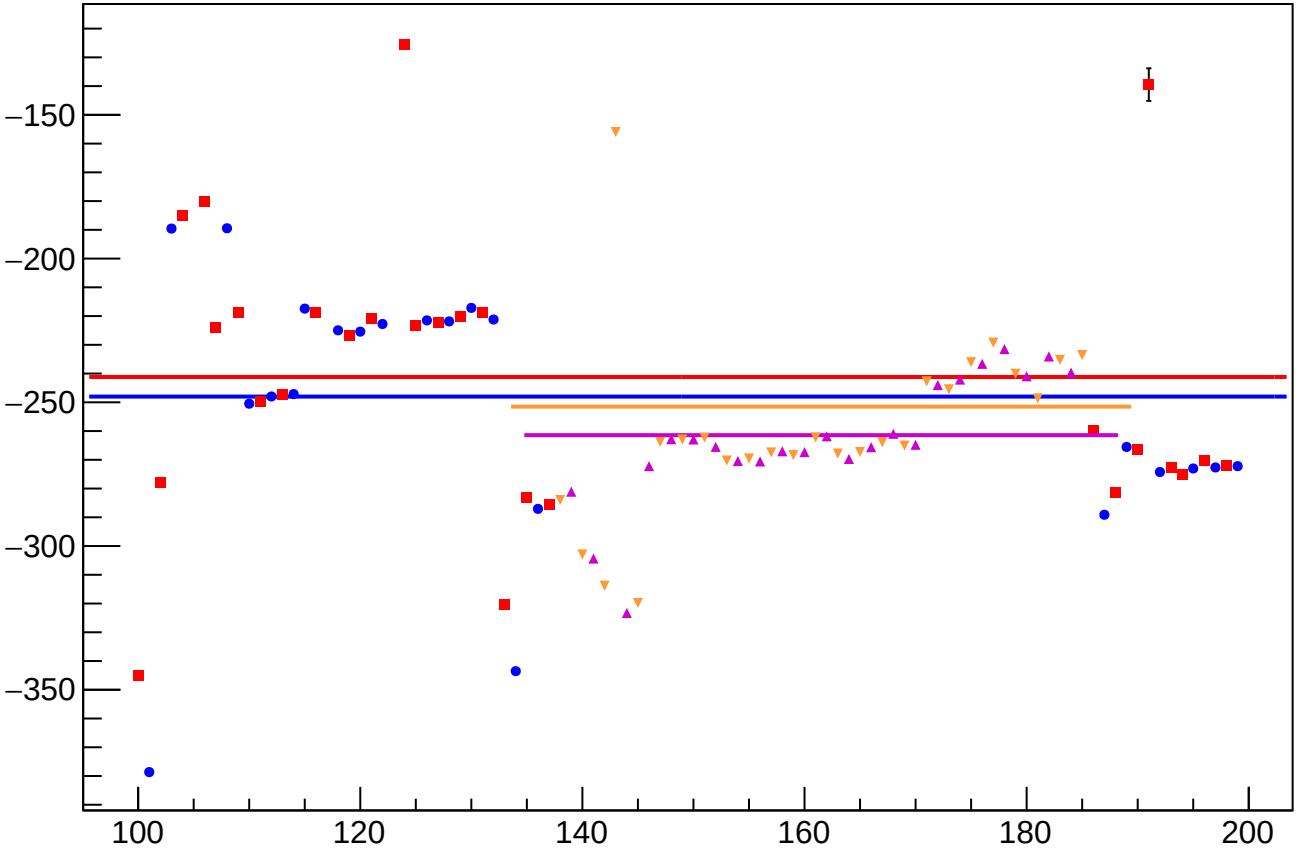
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 124.618+/-1.340 χ^2/NDF: 1263.6/46

All: 125.402+/-0.961 χ^2/NDF: 2363.5/96

- sign 126.232+/-1.379 χ^2/NDF: 1099.2/49

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -248.011+/-0.132 χ^2/NDF: 145352.1/21

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -241.189+/-0.127 χ^2/NDF: 106706.3/26

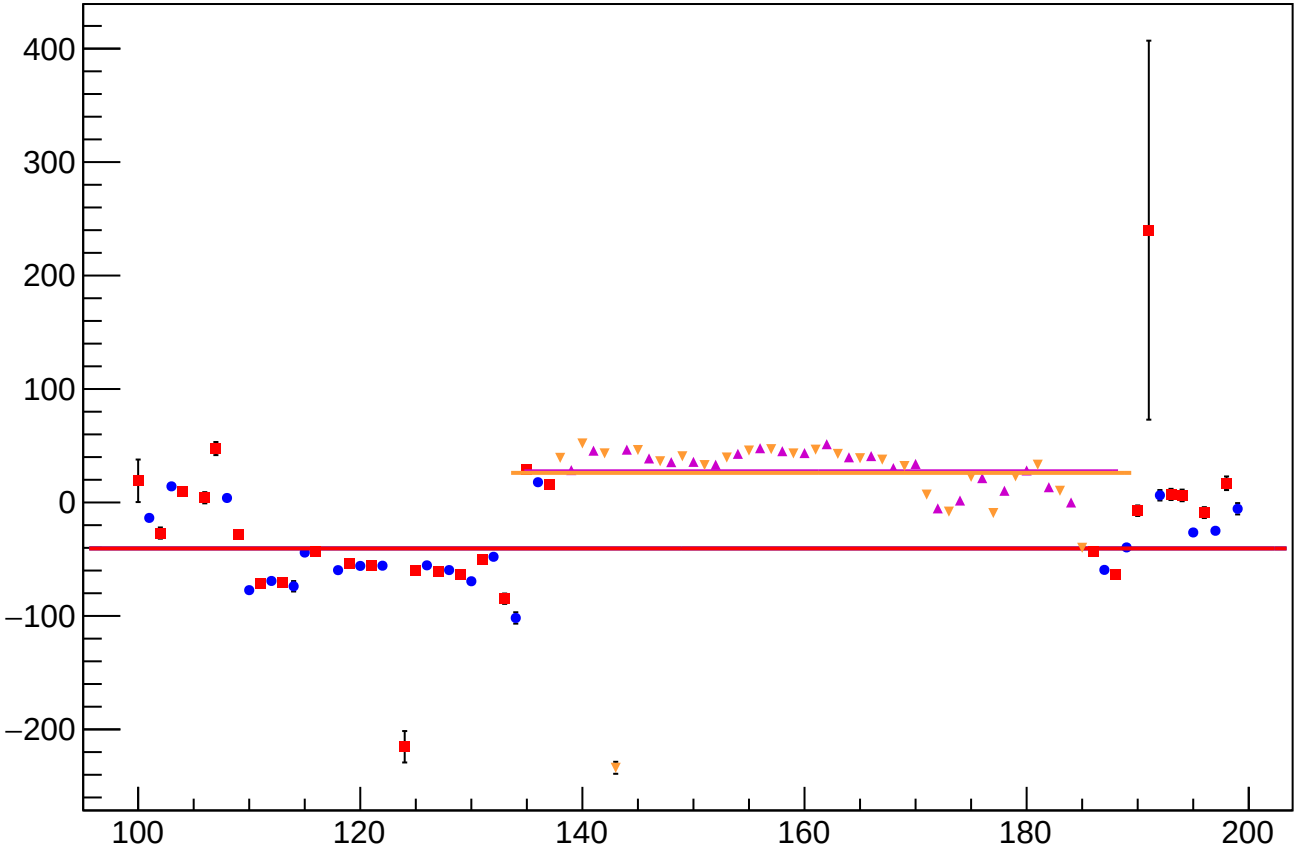
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -250.659+/-0.065 χ^2/NDF: 400810.0/46

All: -253.207+/-0.046 χ^2/NDF: 598766.4/96

- sign -255.868+/-0.066 χ^2/NDF: 194806.5/49

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -40.481+/-0.648 χ^2/NDF: 2634.9/21

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -40.542+/-0.562 χ^2/NDF: 3084.3/26

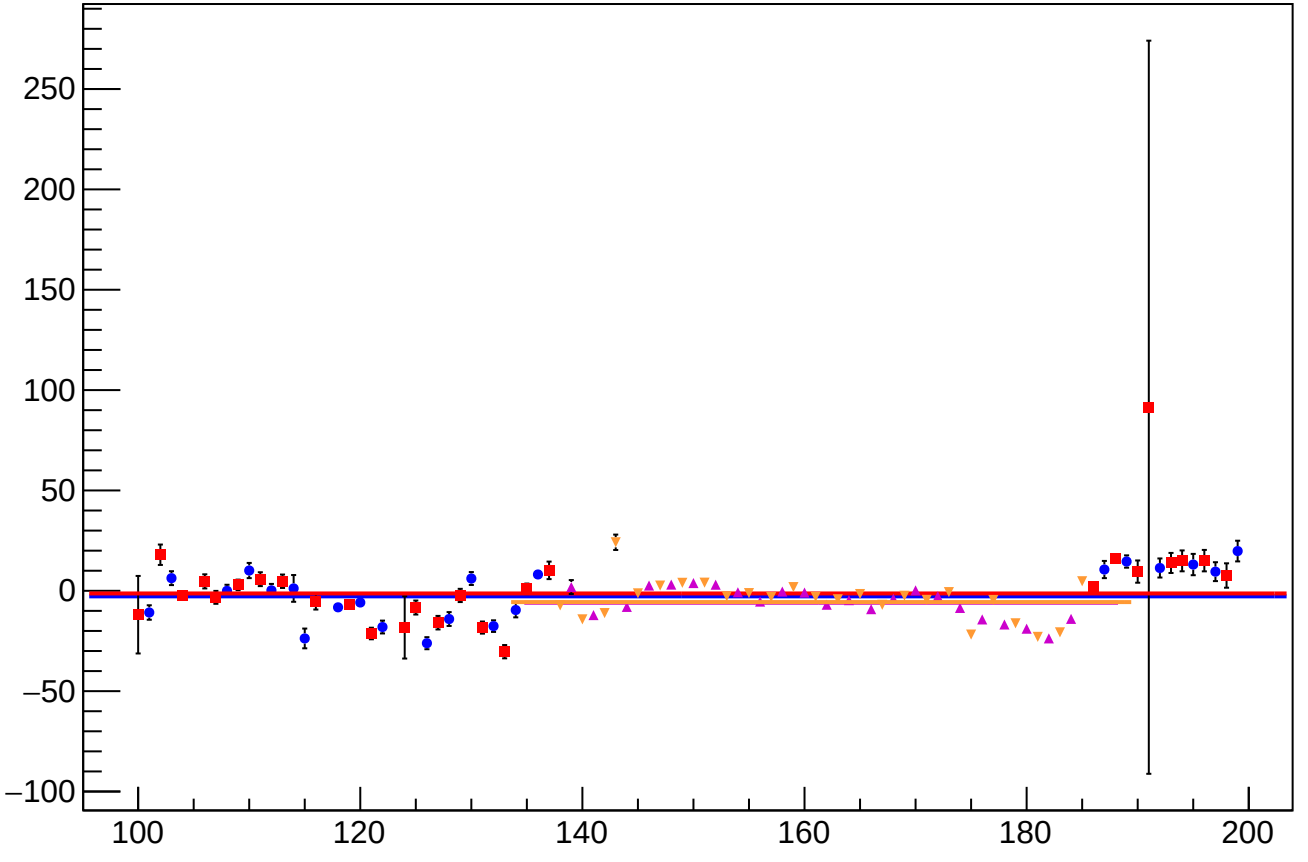
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

\+ sign 8.422+/-0.334 χ^2/NDF: 15163.3/46

All: 6.610+/-0.232 χ^2/NDF: 29706.0/96

\- sign 4.910+/-0.324 χ^2/NDF: 14485.7/49

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.767+/-0.692 χ^2/NDF: 297.4/21

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -1.321+/-0.638 χ^2/NDF: 330.3/26

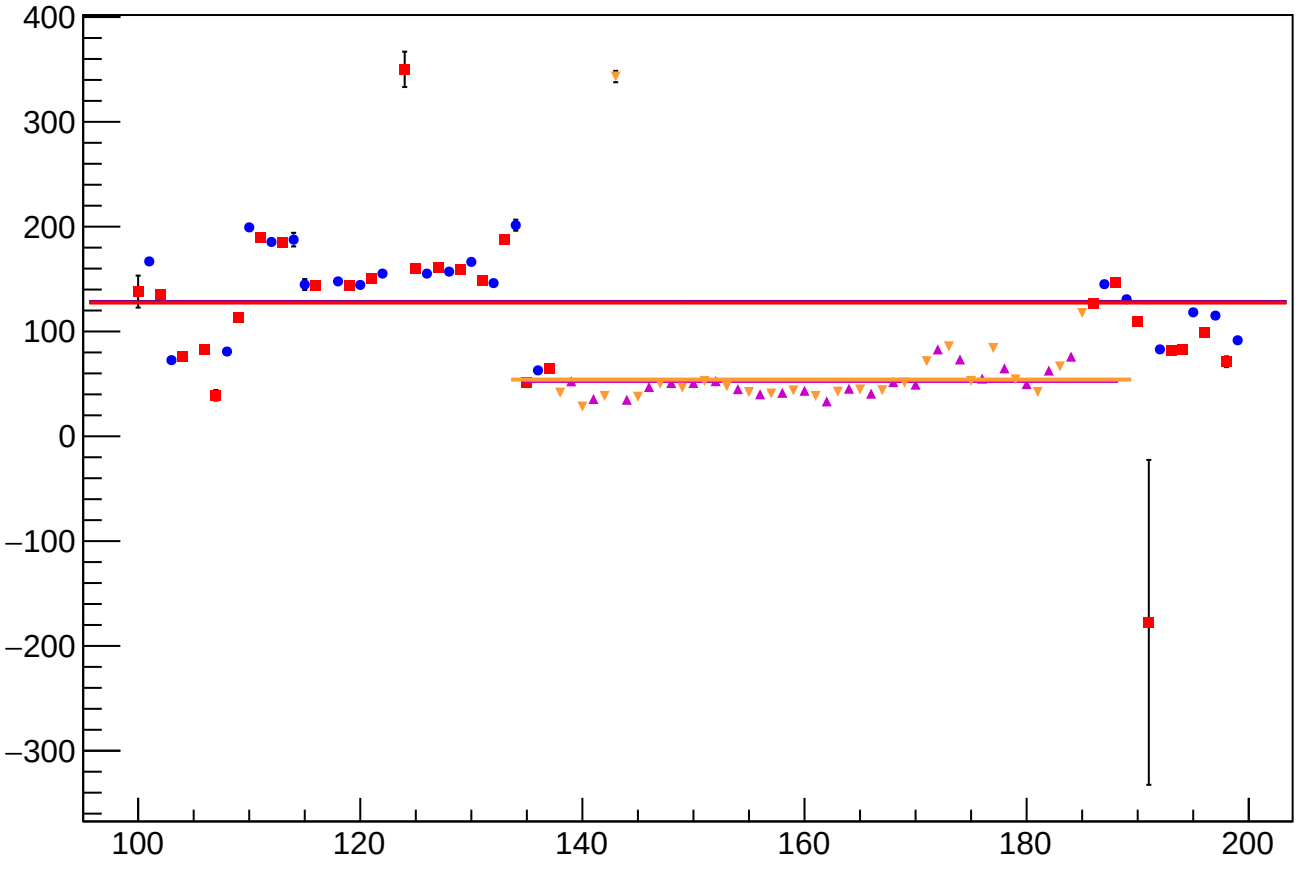
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.169+/-0.277 χ^2/NDF: 1205.0/46

All: -5.115+/-0.196 χ^2/NDF: 2290.1/96

- sign -5.062+/-0.278 χ^2/NDF: 1085.0/49

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 128.164+/-0.671 χ^2/NDF: 3904.7/21

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 127.616+/-0.568 χ^2/NDF: 4165.4/26

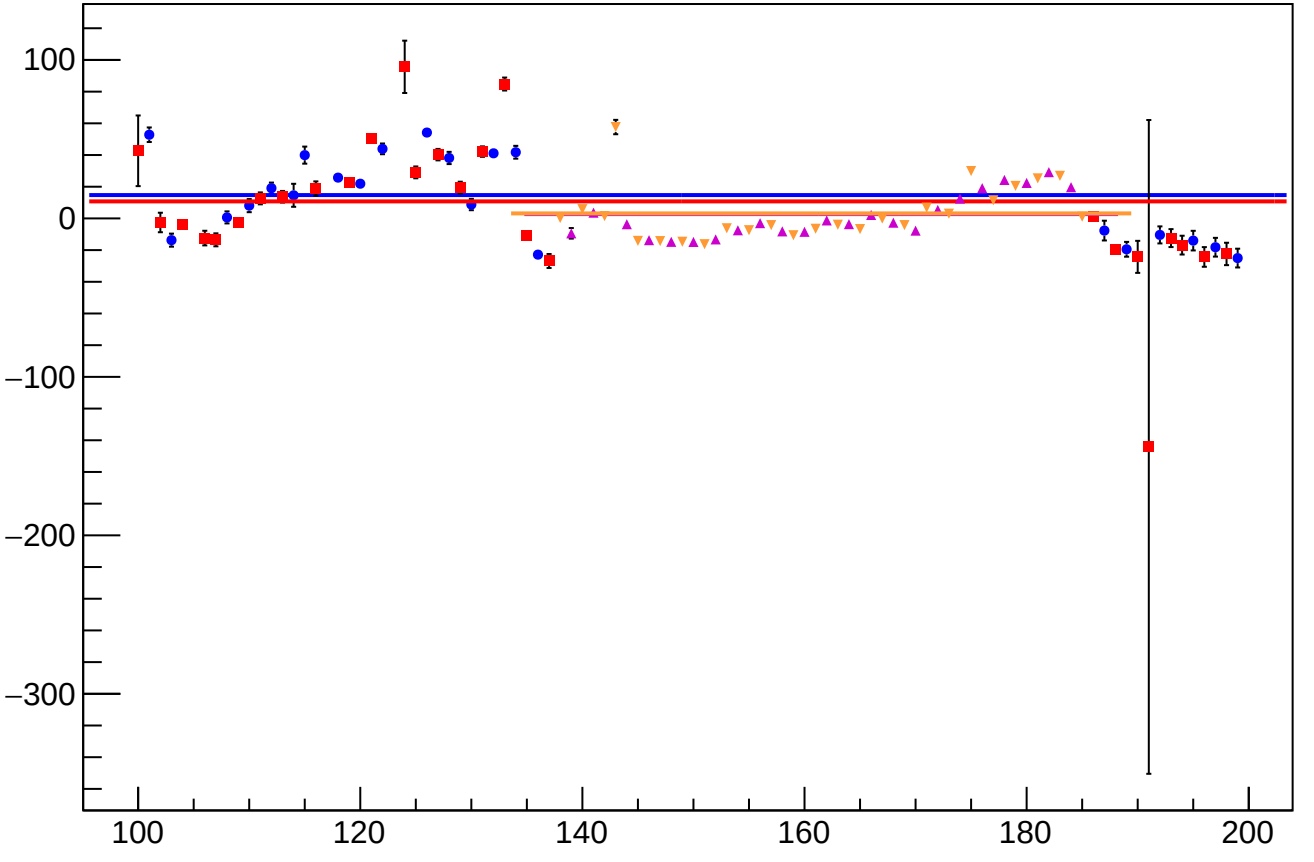
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

\+ sign 72.610+/-0.335 χ^2/NDF: 17622.8/46

All: 74.879+/-0.233 χ^2/NDF: 34594.7/96

\- sign 76.982+/-0.323 χ^2/NDF: 16883.7/49

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 14.721+/-0.805 χ^2/NDF: 1069.1/21

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 10.744+/-0.762 χ^2/NDF: 1192.4/26

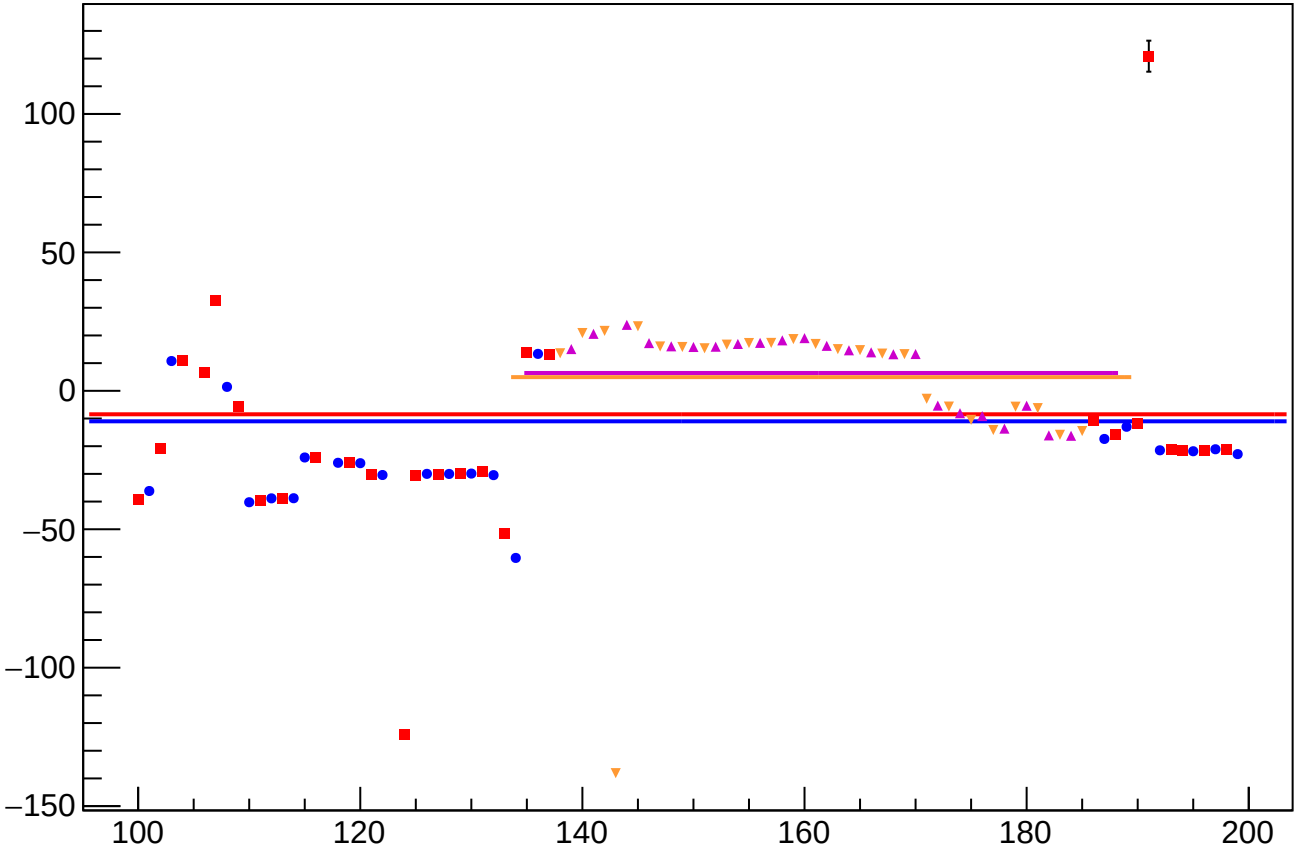
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.903+/-0.313 χ^2/NDF: 3256.5/46

All: 4.504+/-0.222 χ^2/NDF: 6279.3/96

- sign 4.099+/-0.316 χ^2/NDF: 3019.4/49

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -11.012+/-0.040 χ^2/NDF: 286869.8/21

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -8.474+/-0.039 χ^2/NDF: 257485.3/26

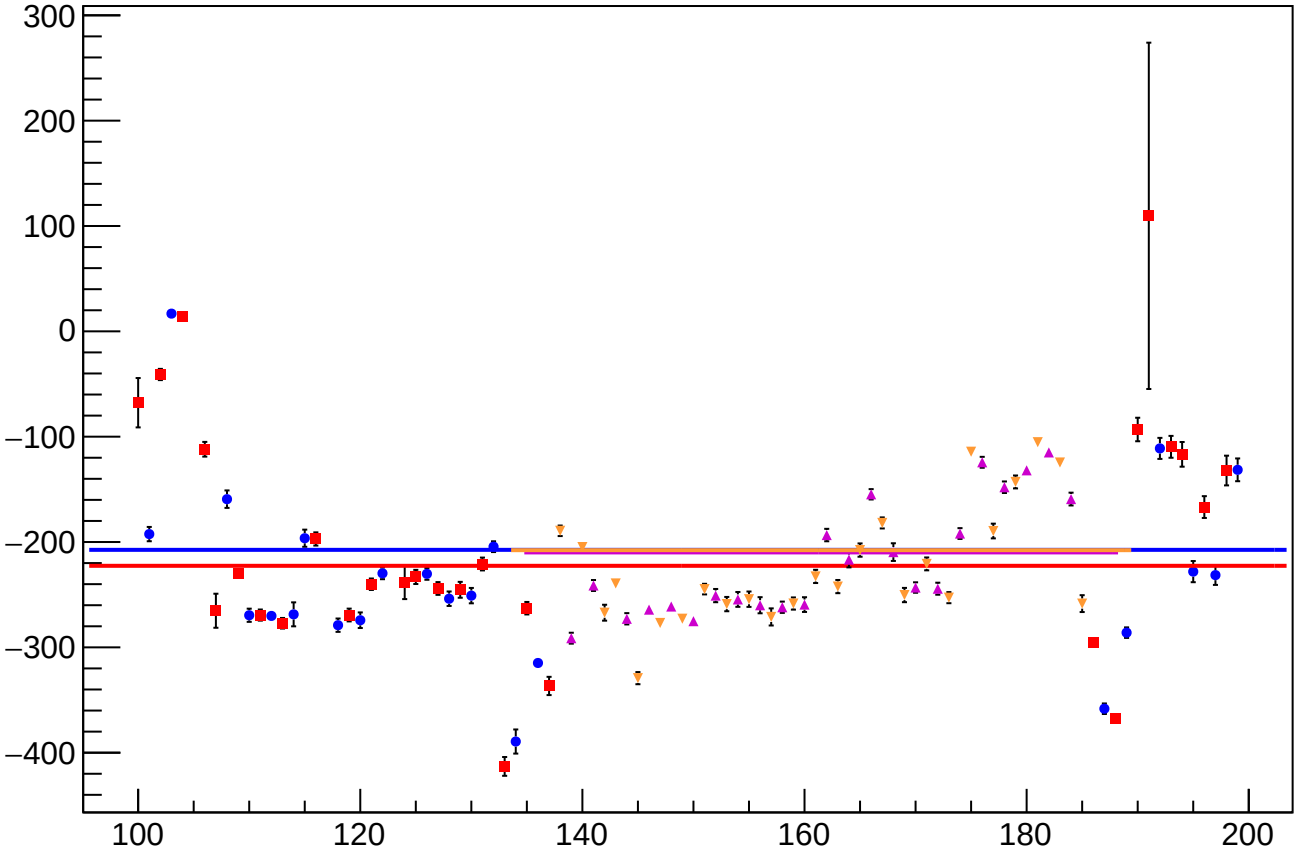
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 2.914+/-0.014 χ^2/NDF: 1563350.0/46

All: 3.696+/-0.010 χ^2/NDF: 2680805.9/96

- sign 4.486+/-0.014 χ^2/NDF: 1111381.9/49

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -207.432+/-1.273 χ^2/NDF: 8667.1/21

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -222.588+/-1.136 χ^2/NDF: 12006.3/26

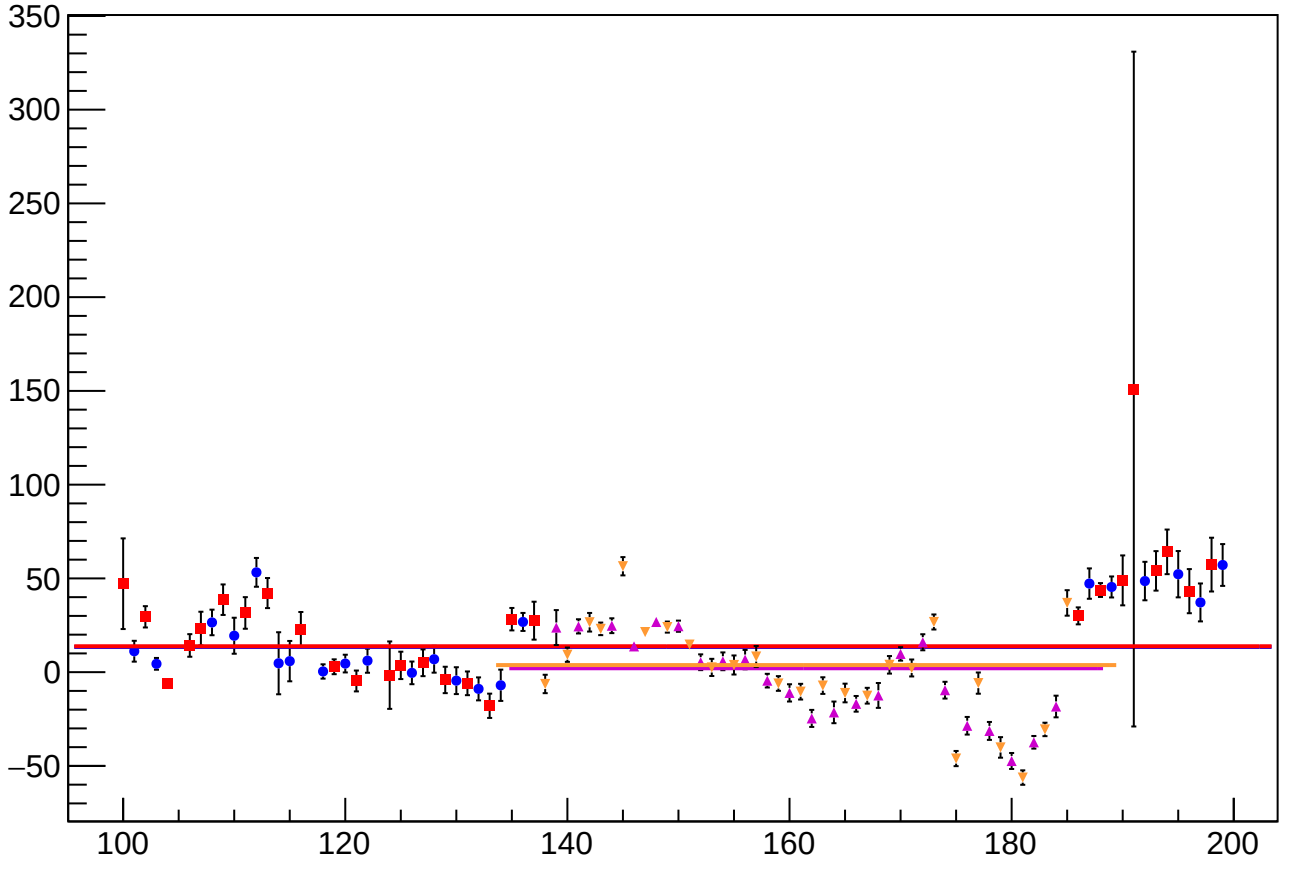
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.615+/-0.819 χ^2/NDF: 12154.3/46

All: -211.973+/-0.569 χ^2/NDF: 27291.7/96

- sign -216.034+/-0.791 χ^2/NDF: 15082.7/49

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.454+/-1.331 χ^2/NDF: 188.5/21

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 13.805+/-1.195 χ^2/NDF: 310.7/26

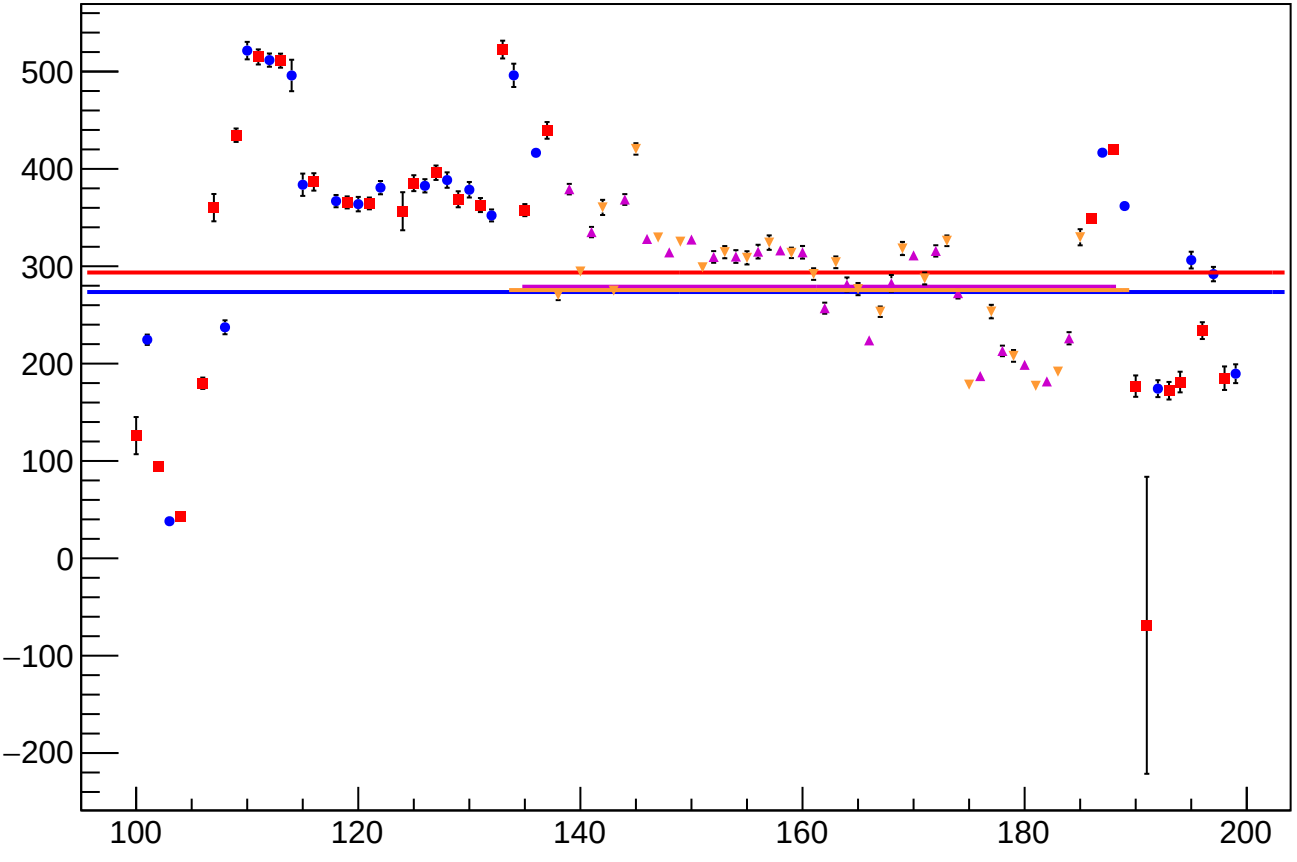
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 6.280+/-0.678 χ^2/NDF: 1199.8/46

All: 6.056+/-0.479 χ^2/NDF: 2346.4/96

\- sign 5.833+/-0.676 χ^2/NDF: 1146.4/49

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 273.525+/-1.224 χ^2/NDF: 17495.4/21

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 293.573+/-1.062 χ^2/NDF: 21620.4/26

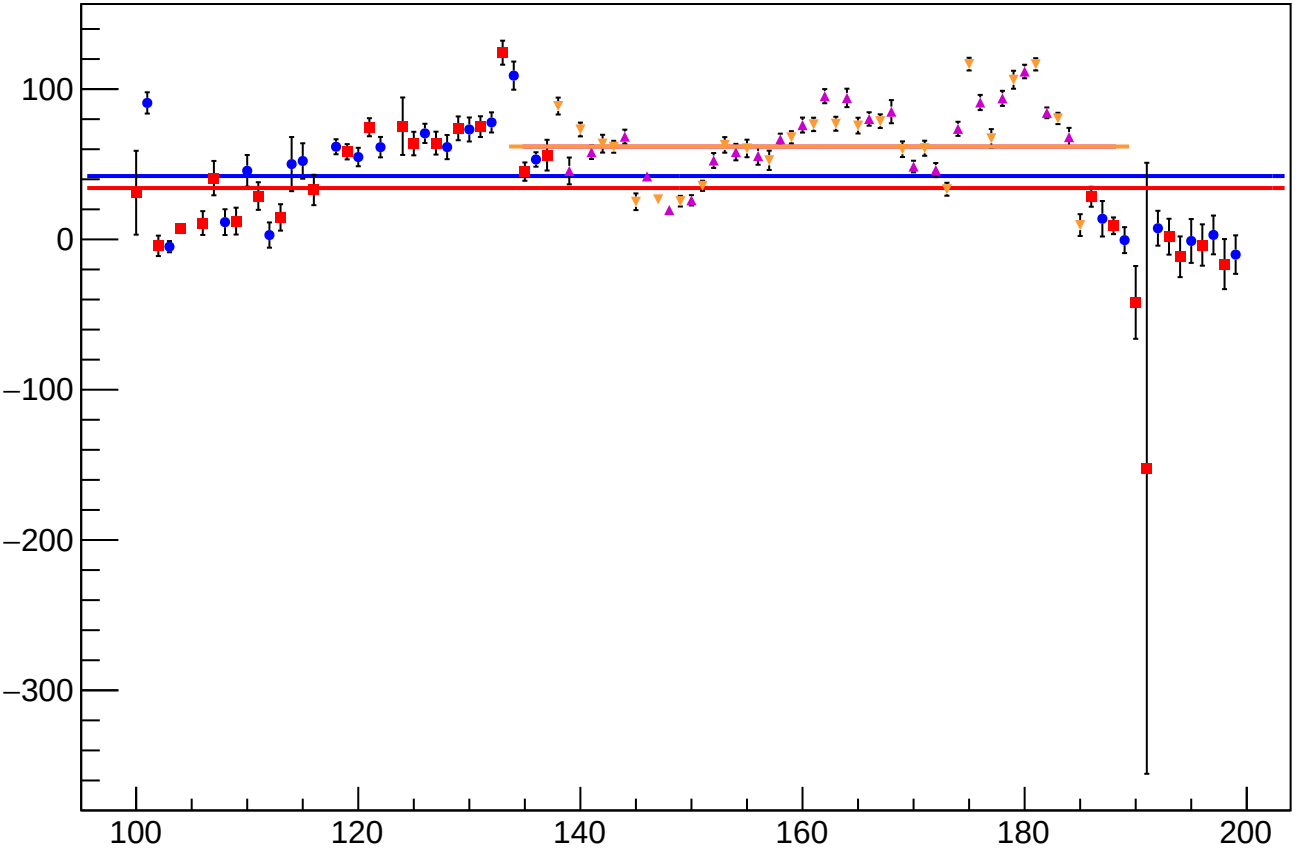
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 274.672+/-0.802 χ^2/NDF: 20820.1/46

All: 280.885+/-0.552 χ^2/NDF: 45761.1/96

- sign 286.465+/-0.760 χ^2/NDF: 24827.1/49

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.157+/-1.573 χ^2/NDF: 468.0/21

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 34.178+/-1.458 χ^2/NDF: 493.4/26

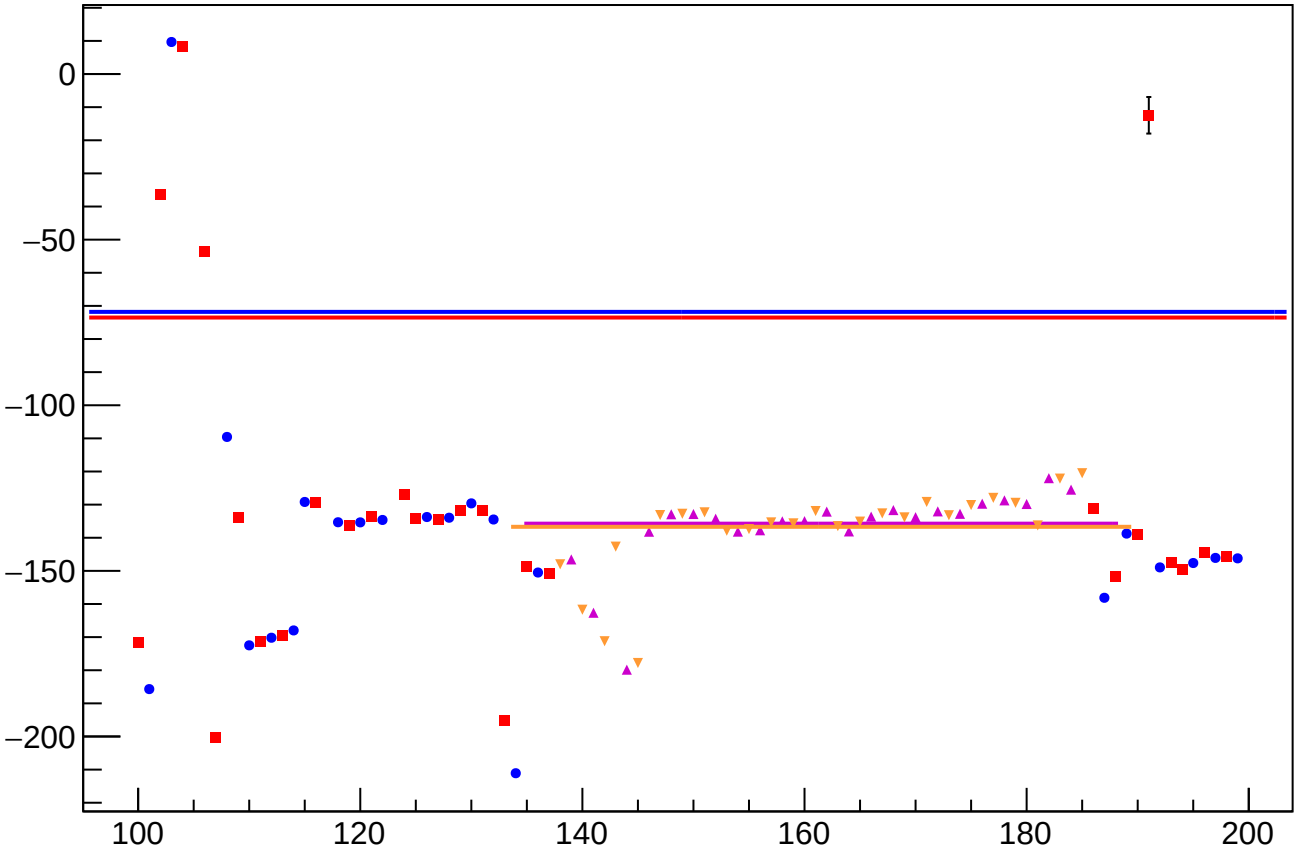
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 56.906+/-0.786 χ^2/NDF: 1544.8/46

All: 55.299+/-0.557 χ^2/NDF: 3035.7/96

- sign 53.678+/-0.789 χ^2/NDF: 1482.5/49

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -71.805+/-0.067 χ^2/NDF: 1441228.0/21

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -73.515+/-0.067 χ^2/NDF: 1130925.3/26

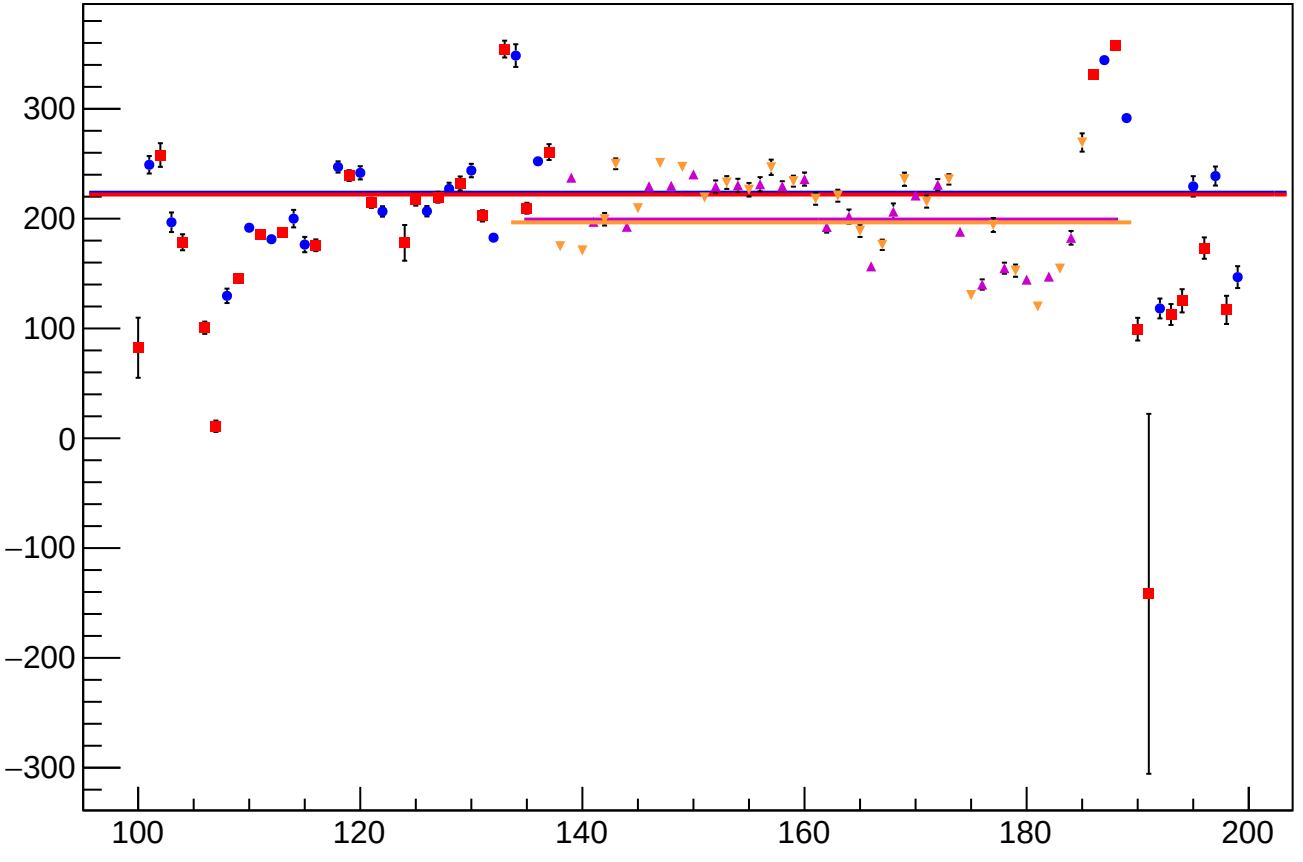
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -118.262+/-0.036 χ^2/NDF: 2190404.1/46

All: -118.029+/-0.025 χ^2/NDF: 3994882.8/96

- sign -117.792+/-0.036 χ^2/NDF: 1804393.1/49

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 223.627+/-1.163 χ^2/NDF: 2013.6/21

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.975+/-1.007 χ^2/NDF: 7930.5/26

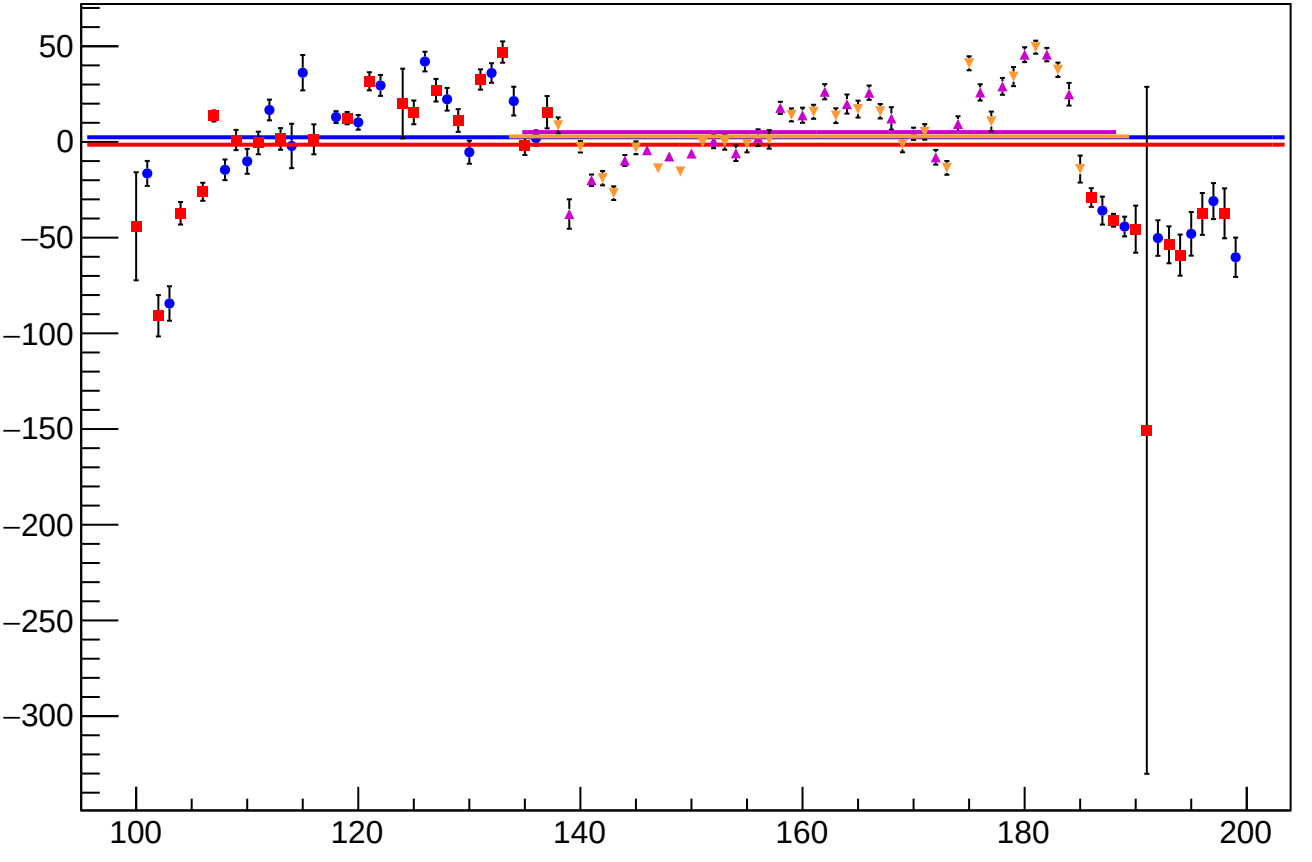
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 207.378+/-0.734 χ^2/NDF: 4413.8/46

All: 208.841+/-0.506 χ^2/NDF: 13912.1/96

- sign 210.169+/-0.700 χ^2/NDF: 9490.7/49

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.440+/-1.231 χ^2/NDF: 509.1/21

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -1.440+/-1.091 χ^2/NDF: 651.7/26

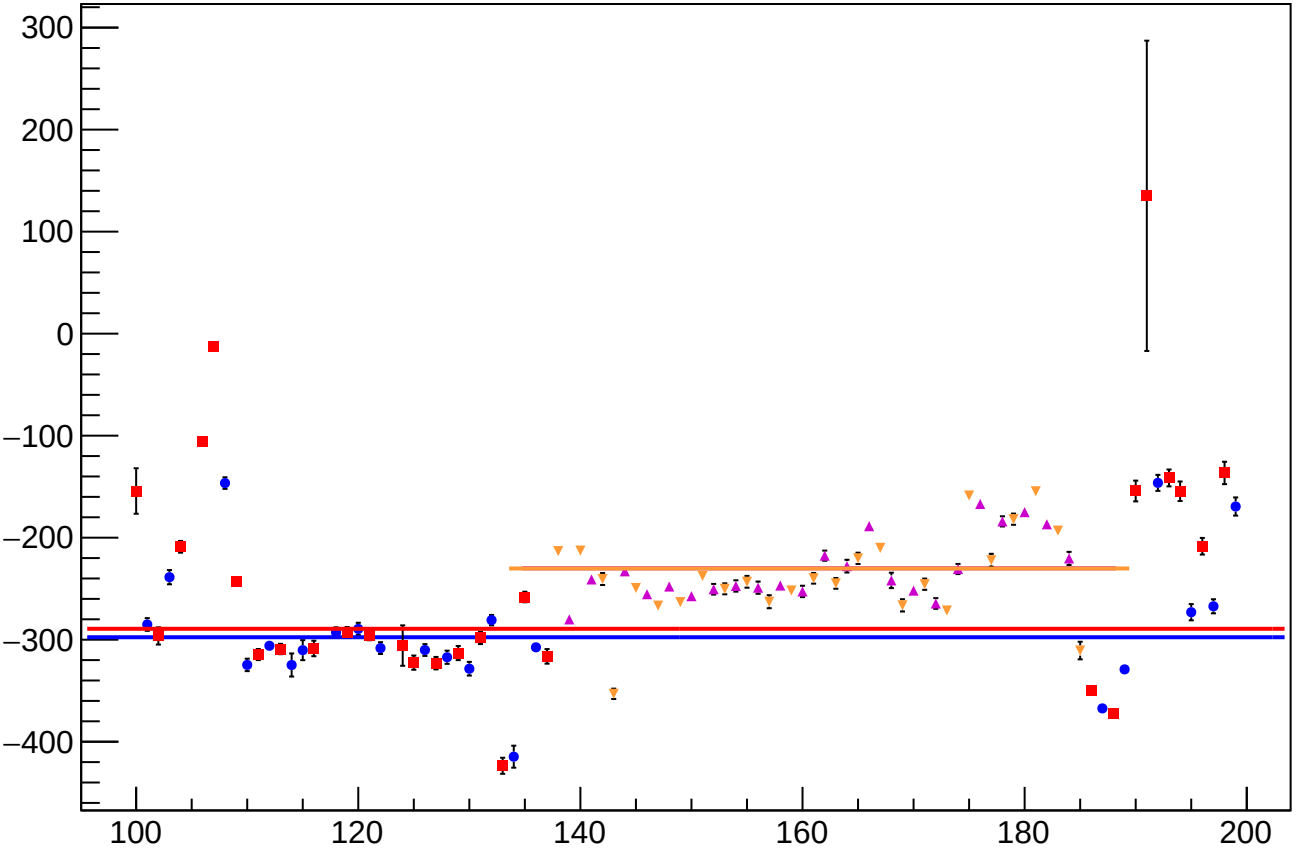
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

\+ sign 2.767+/-0.604 χ^2/NDF: 1262.0/46

All: 2.956+/-0.426 χ^2/NDF: 2567.7/96

\- sign 3.142+/-0.600 χ^2/NDF: 1305.5/49

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -297.598+/-1.220 χ^2/NDF: 2025.1/21

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -289.305+/-1.019 χ^2/NDF: 9469.9/26

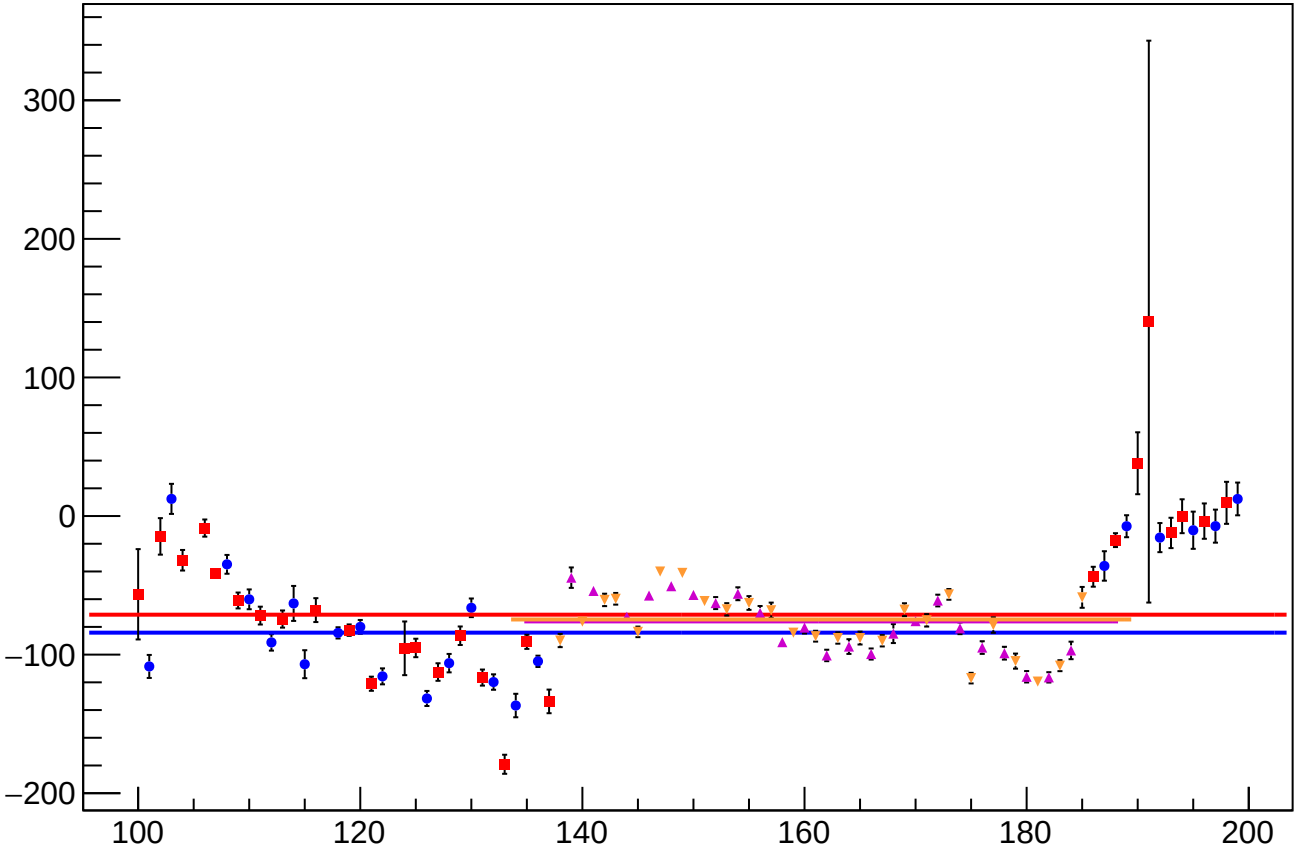
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -255.268+/-0.744 χ^2/NDF: 6125.1/46

All: -256.695+/-0.509 χ^2/NDF: 18486.7/96

- sign -257.955+/-0.699 χ^2/NDF: 12354.7/49

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -84.154+/-1.446 χ^2/NDF: 686.7/21

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -71.184+/-1.313 χ^2/NDF: 1033.4/26

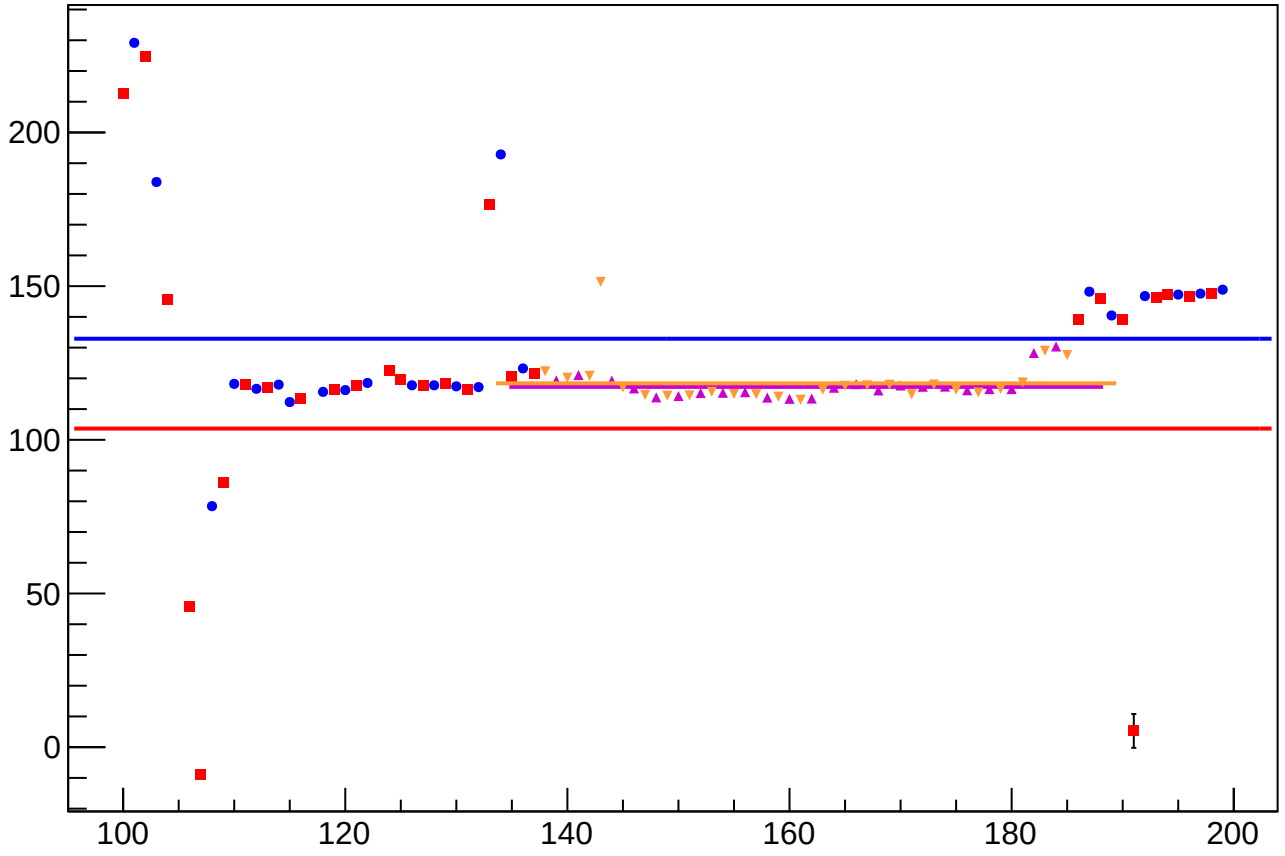
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -76.876+/-0.700 χ^2/NDF: 1550.8/46

All: -75.762+/-0.494 χ^2/NDF: 3245.0/96

- sign -74.657+/-0.698 χ^2/NDF: 1689.2/49

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 132.892+/-0.078 χ^2/NDF: 193146.5/21

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 103.662+/-0.070 χ^2/NDF: 712390.4/26

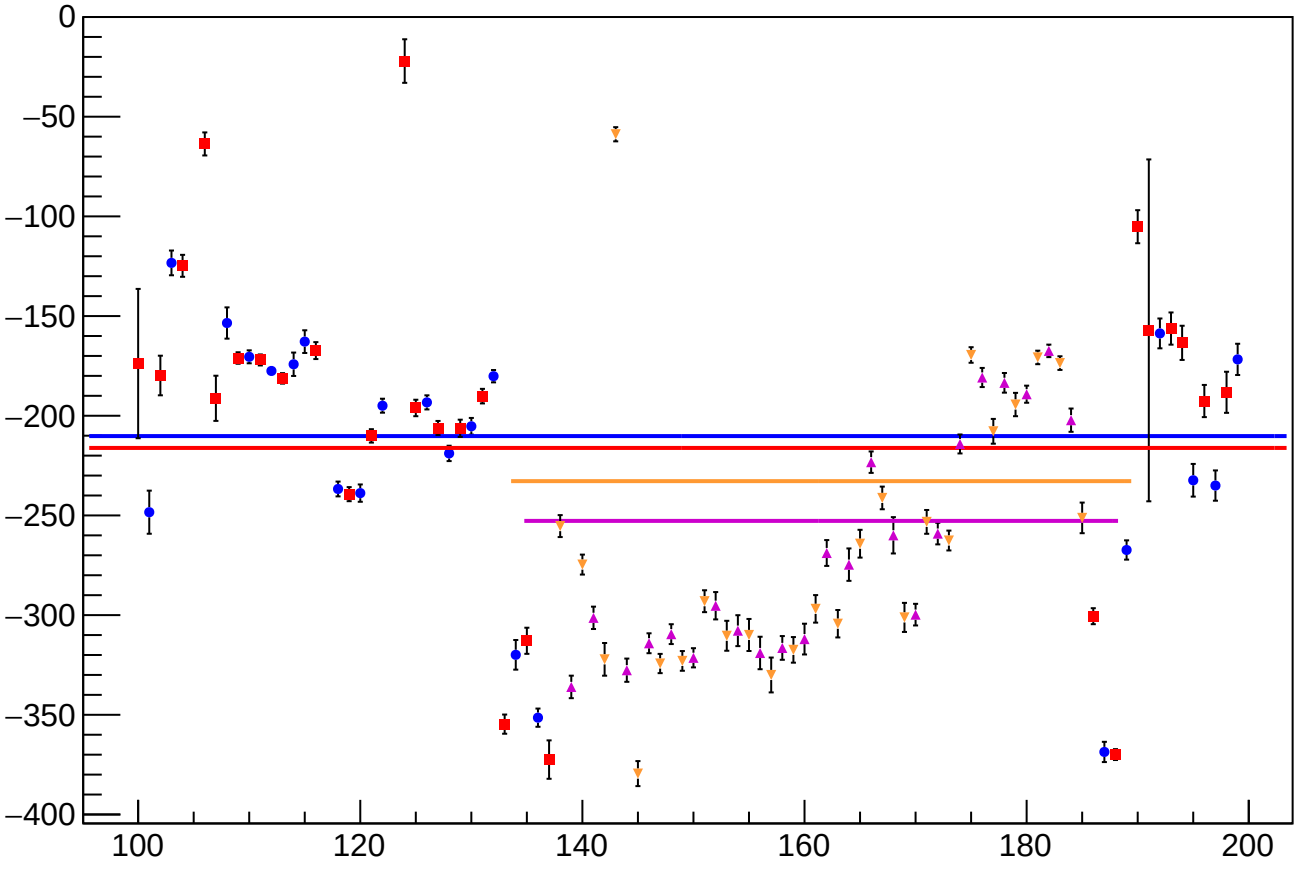
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 121.084+/-0.034 χ^2/NDF: 256301.8/46

All: 117.563+/-0.024 χ^2/NDF: 1029928.8/96

- sign 114.157+/-0.033 χ^2/NDF: 752055.6/49

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -210.201+/-0.953 χ^2/NDF: 3306.4/21

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.144+/-0.871 χ^2/NDF: 7456.2/26

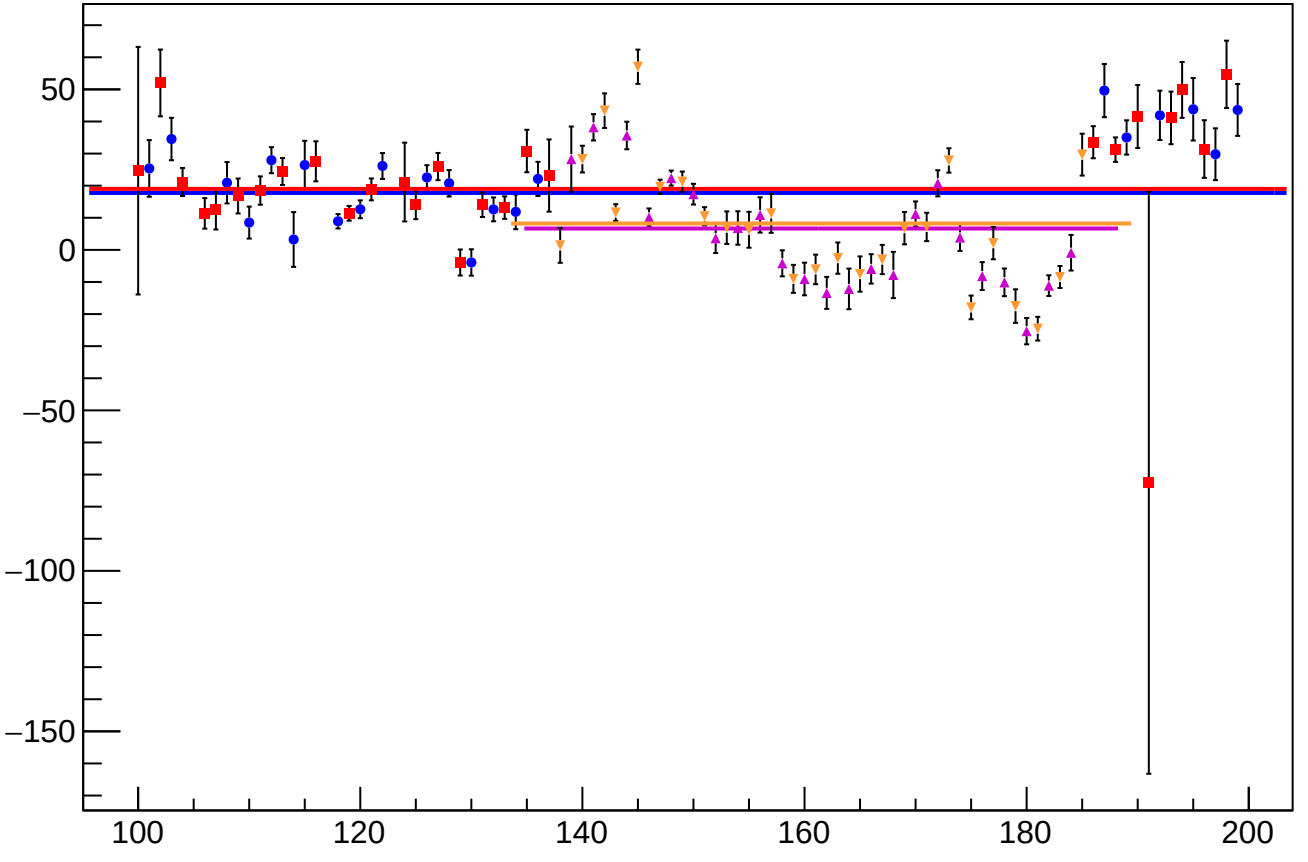
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.175+/-0.712 χ^2/NDF: 9318.7/46

All: -225.125+/-0.496 χ^2/NDF: 20439.7/96

- sign -229.770+/-0.690 χ^2/NDF: 11027.4/49

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.737+/-0.991 χ^2/NDF: 133.1/21

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.003+/-0.954 χ^2/NDF: 130.8/26

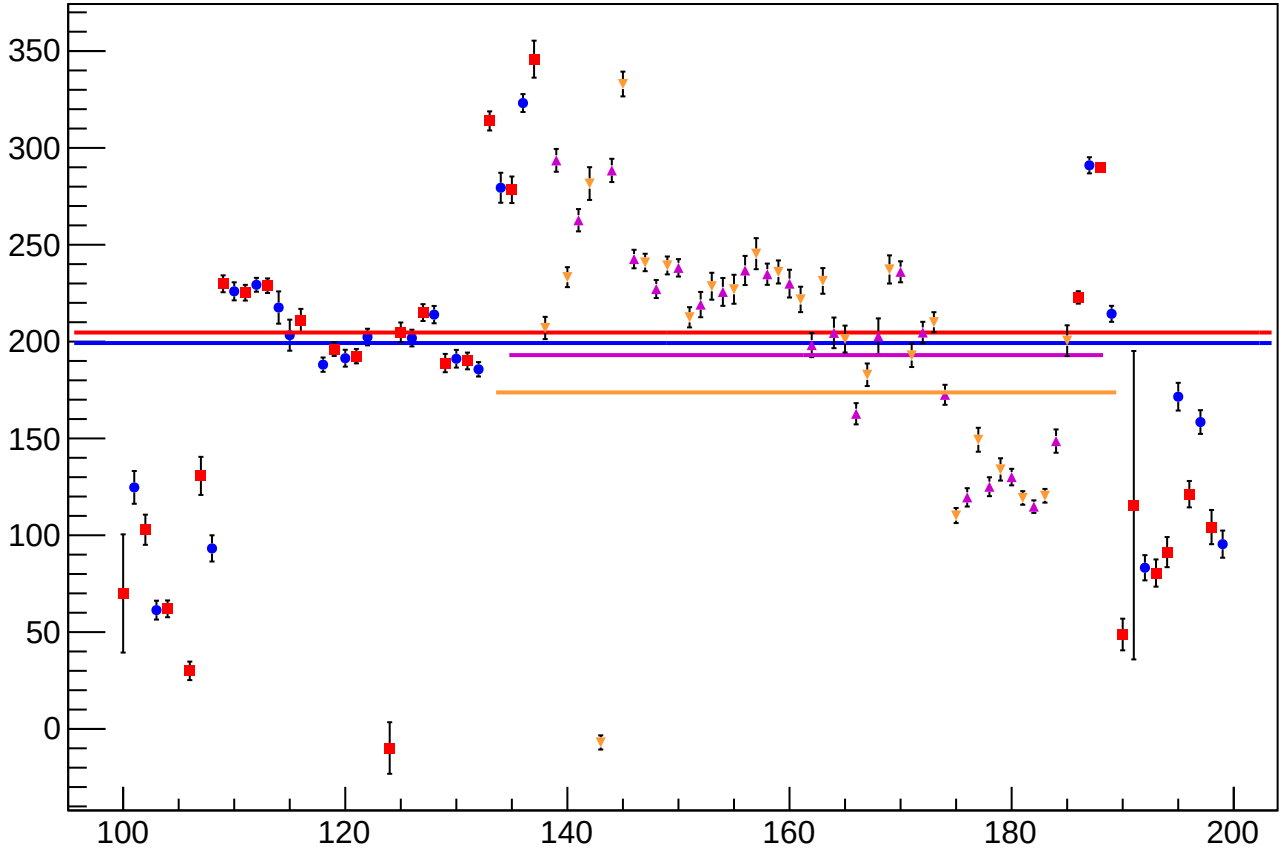
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.994+/-0.624 χ^2/NDF: 646.7/46

All: 12.085+/-0.446 χ^2/NDF: 1224.9/96

- sign 12.181+/-0.638 χ^2/NDF: 578.2/49

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 199.254+/-1.051 χ^2/NDF: 3195.3/21

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 204.682+/-0.935 χ^2/NDF: 6589.0/26

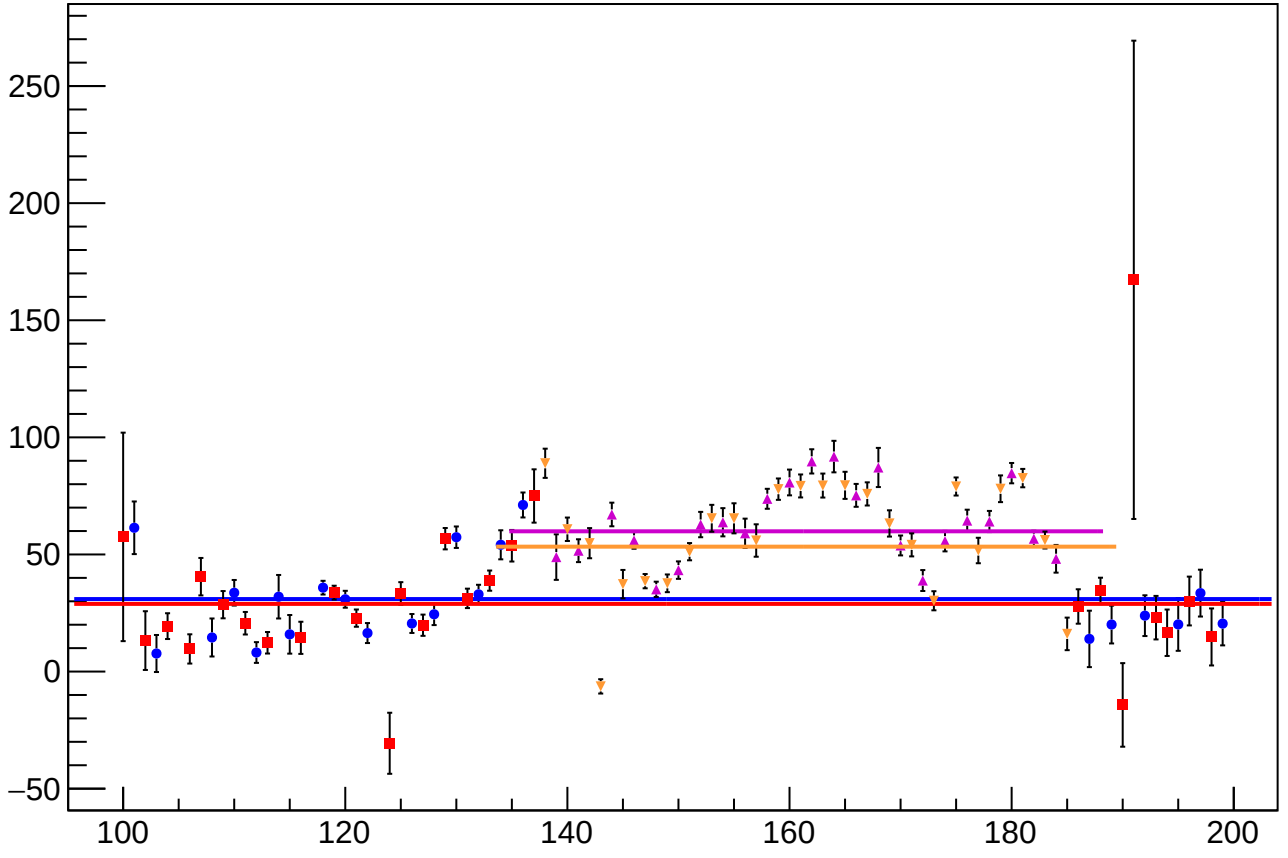
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 186.717+/-0.749 χ^2/NDF: 8745.6/46

All: 193.592+/-0.518 χ^2/NDF: 18071.8/96

- sign 199.908+/-0.718 χ^2/NDF: 9164.7/49

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 30.955+/-1.162 χ^2/NDF: 184.2/21

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.894+/-1.125 χ^2/NDF: 153.0/26

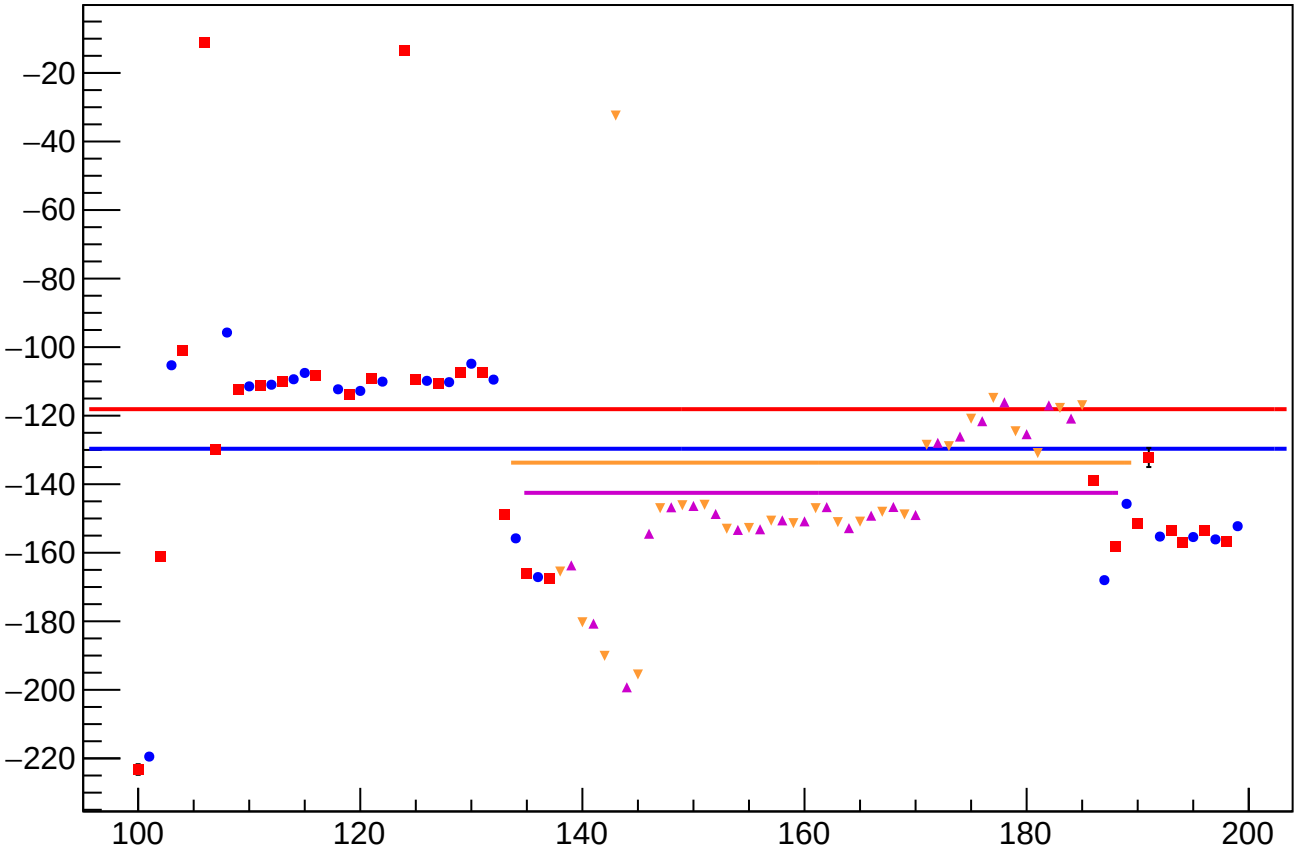
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 44.690+/-0.722 χ^2/NDF: 1190.7/46

All: 45.610+/-0.516 χ^2/NDF: 2030.7/96

- sign 46.571+/-0.738 χ^2/NDF: 836.6/49

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -129.655+/-0.068 χ^2/NDF: 163882.3/21

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -118.104+/-0.064 χ^2/NDF: 465428.9/26

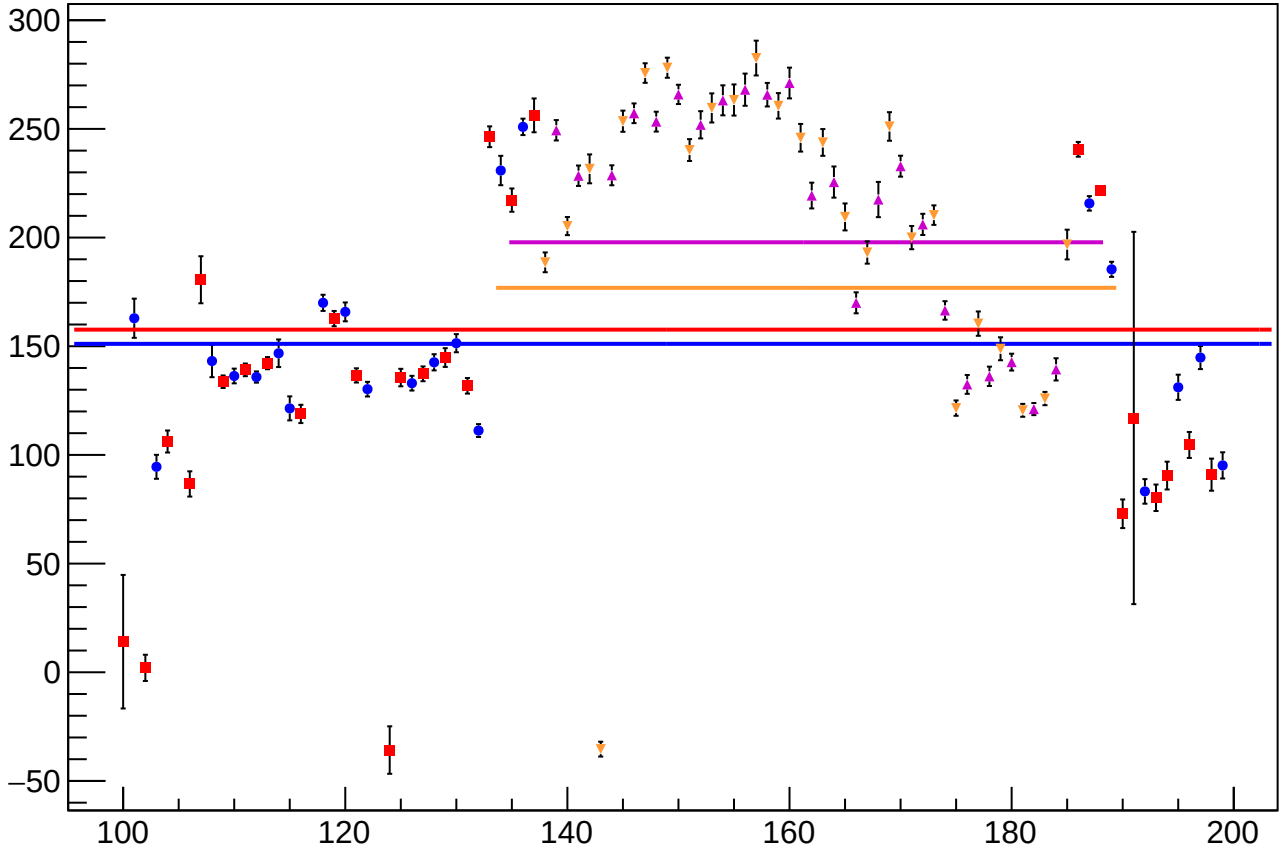
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -132.563+/-0.036 χ^2/NDF: 842340.8/46

All: -133.605+/-0.026 χ^2/NDF: 1585107.2/96

- sign -134.665+/-0.037 χ^2/NDF: 741101.2/49

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 151.099+/-0.880 χ^2/NDF: 2035.9/21

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 157.642+/-0.789 χ^2/NDF: 4770.4/26

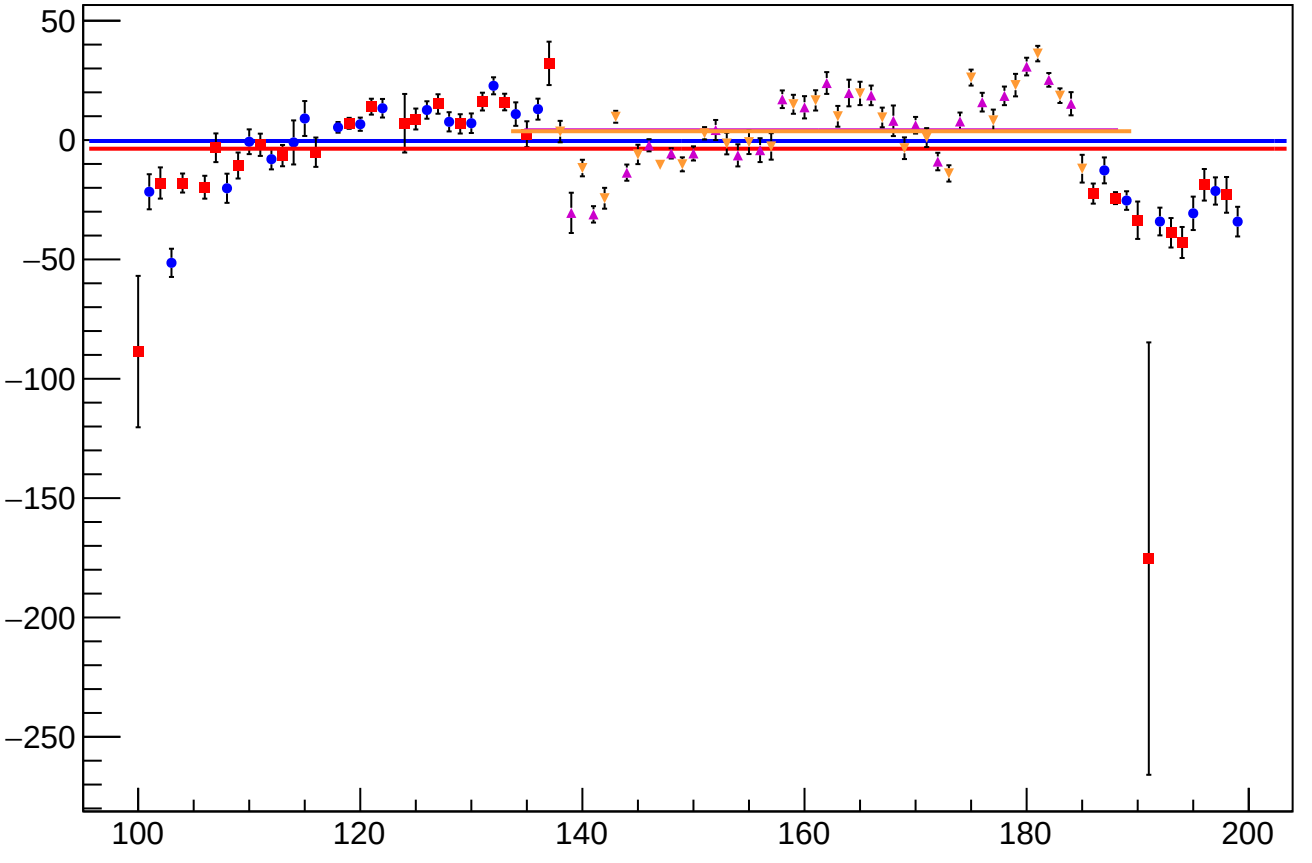
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

\+ sign 162.911+/-0.648 χ^2/NDF: 9853.6/46

All: 168.141+/-0.448 χ^2/NDF: 18704.9/96

\- sign 172.938+/-0.621 χ^2/NDF: 8726.5/49

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.383+/-0.926 χ^2/NDF: 341.8/21

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -3.617+/-0.877 χ^2/NDF: 388.5/26

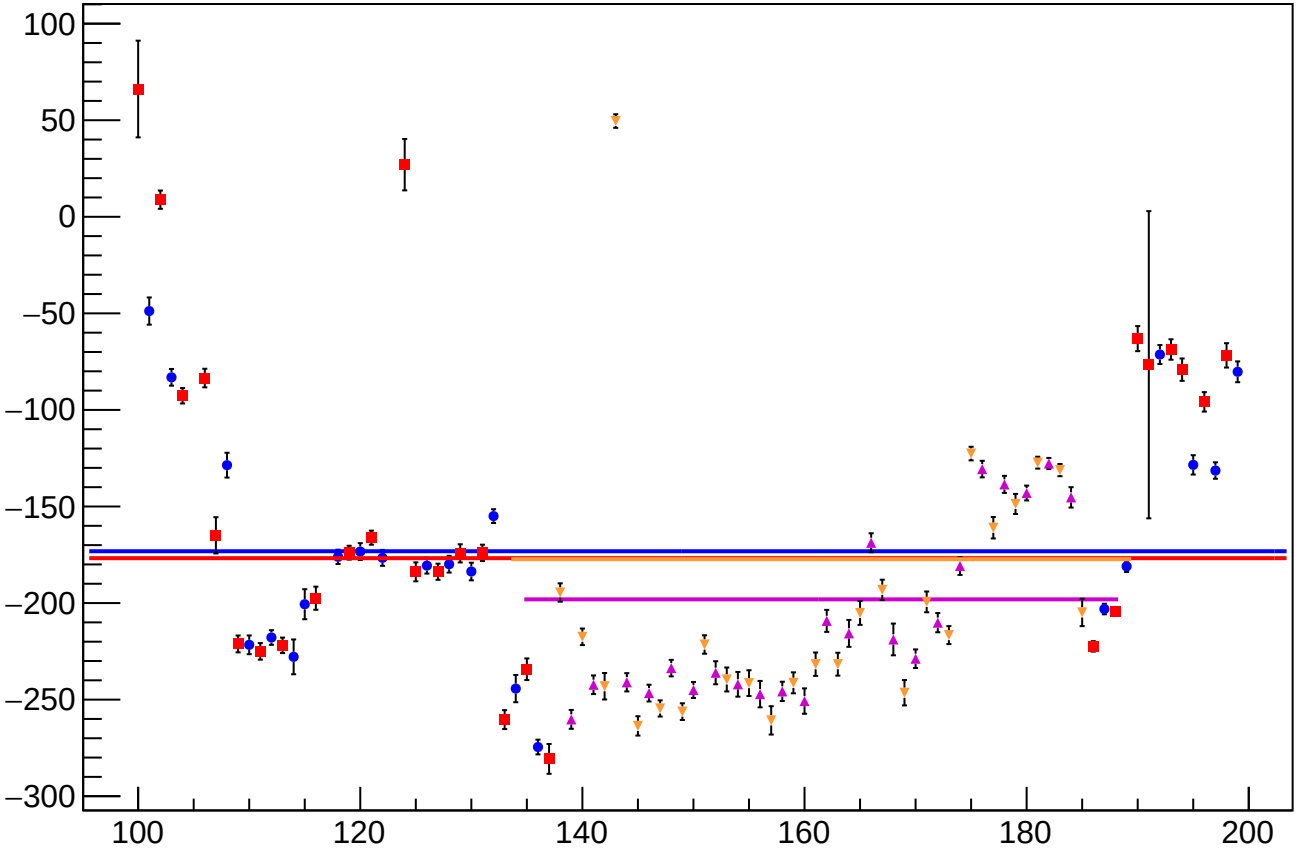
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 2.158+/-0.570 χ^2/NDF: 754.8/46

All: 1.463+/-0.406 χ^2/NDF: 1589.1/96

- sign 0.749+/-0.578 χ^2/NDF: 831.3/49

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -173.169+/-0.923 χ^2/NDF: 2957.4/21

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -176.756+/-0.794 χ^2/NDF: 5858.4/26

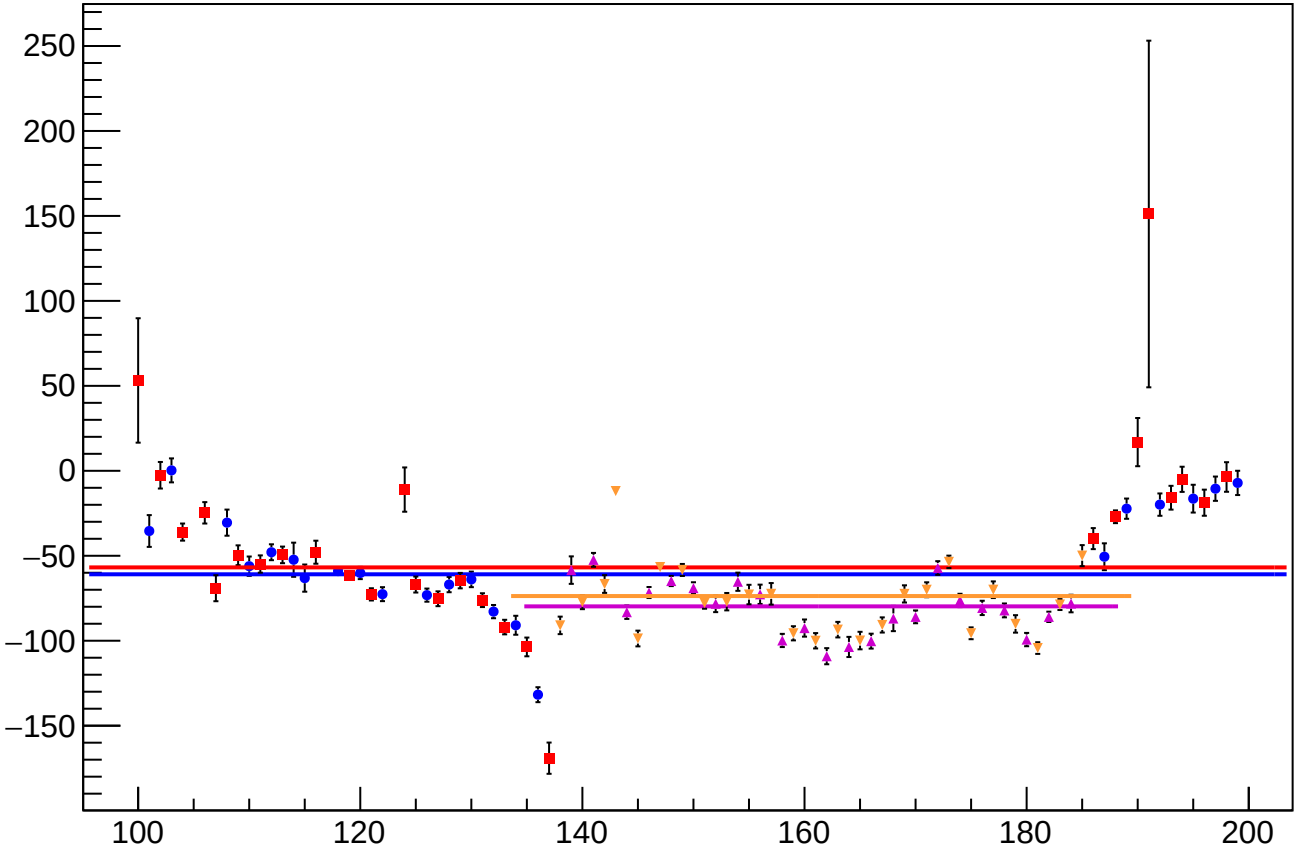
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -175.154+/-0.664 χ^2/NDF: 10007.0/46

All: -180.402+/-0.454 χ^2/NDF: 18647.9/96

- sign -185.001+/-0.622 χ^2/NDF: 8523.8/49

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -60.901+/-1.092 χ^2/NDF: 666.2/21

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 -69.026+/-0.660 χ^2/NDF: 1593.0/46

All: -69.700+/-0.471 χ^2/NDF: 2879.9/96

- sign -70.399+/-0.672 χ^2/NDF: 1284.8/49

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug

Right In: 99.596+/-0.060 χ^2/NDF: 69078.0/21

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

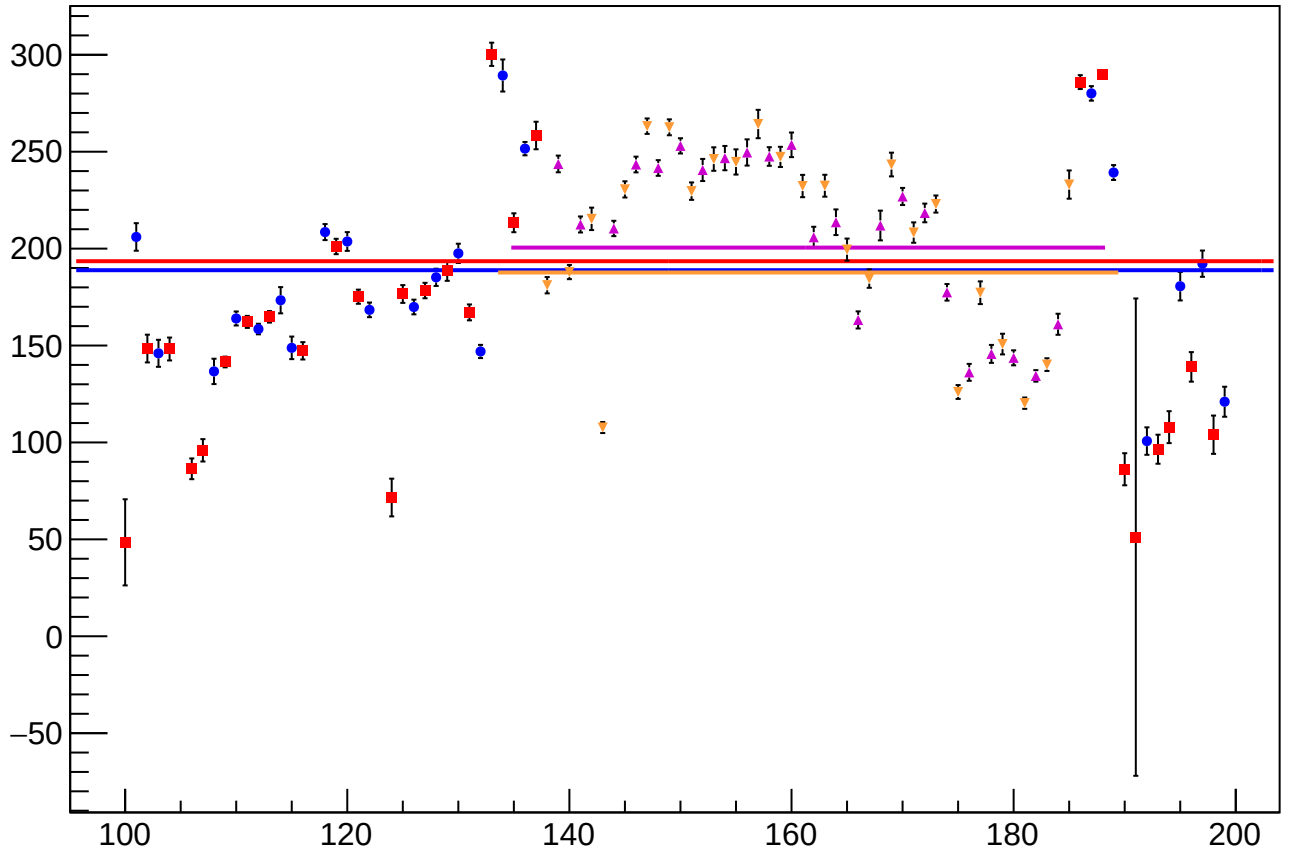
Right Out: 89.185+/-0.056 χ^2/NDF: 281658.8/26

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 109.569+/-0.032 χ^2/NDF: 1071670.0/46

All: 110.821+/-0.023 χ^2/NDF: 1741781.9/96

- sign 112.079+/-0.032 χ^2/NDF: 667094.9/49



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

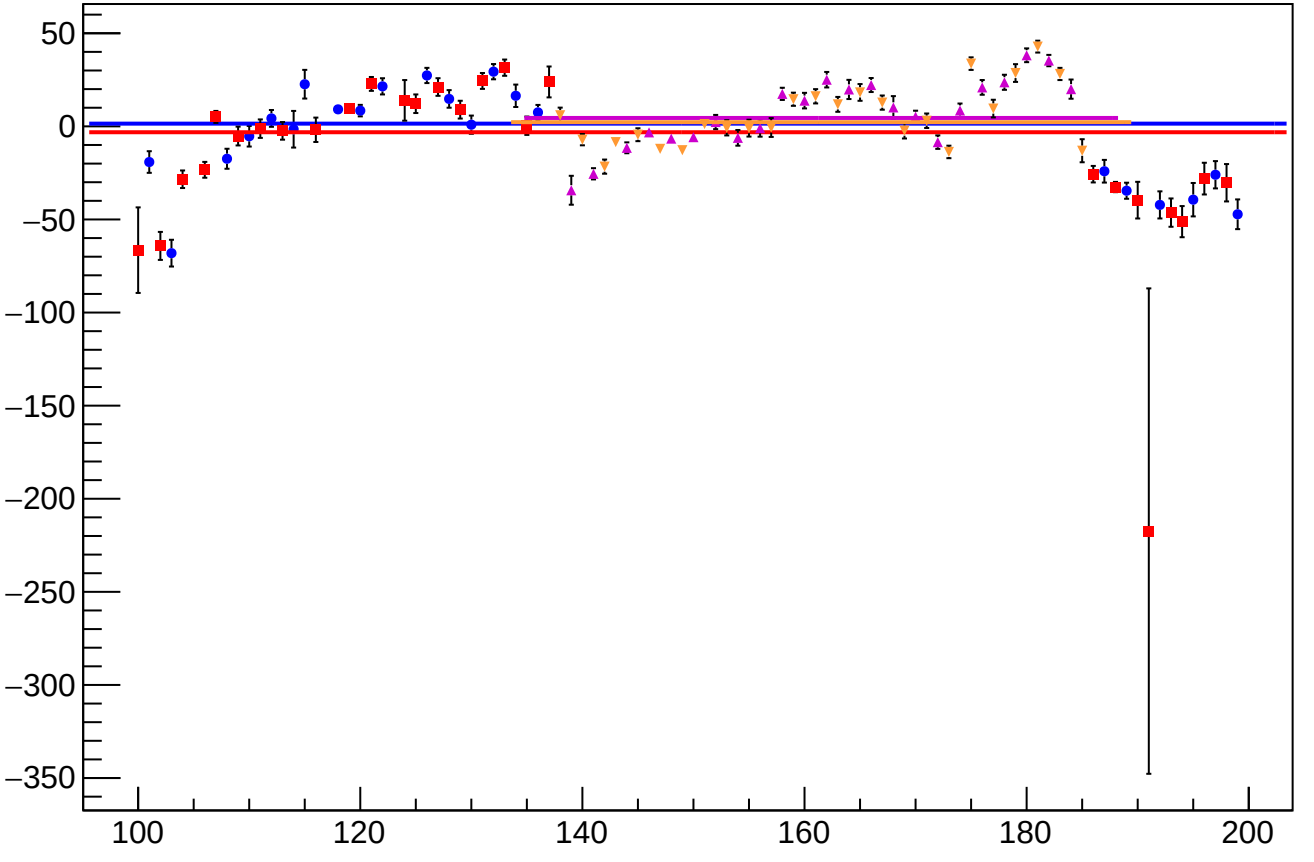
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.225+/-0.660 χ^2/NDF: 5576.7/46

All: 192.573+/-0.458 χ^2/NDF: 13562.6/96

- sign 196.630+/-0.637 χ^2/NDF: 7901.9/49

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.461+/-1.024 χ^2/NDF: 462.0/21

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -3.157+/-0.939 χ^2/NDF: 602.6/26

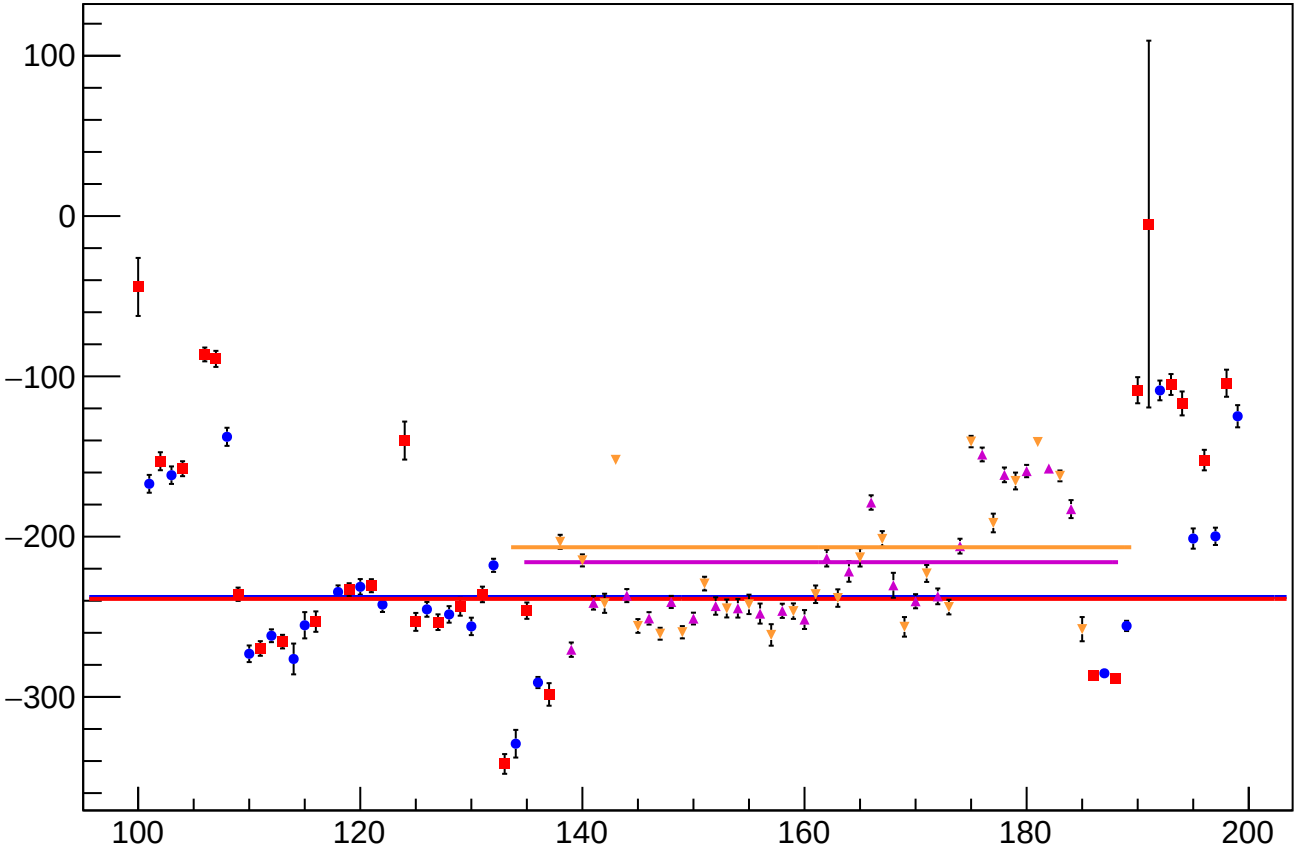
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.013+/-0.557 χ^2/NDF: 1063.3/46

All: 1.860+/-0.398 χ^2/NDF: 2255.5/96

- 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: -237.653+/-1.024 χ^2/NDF: 2220.4/21

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -238.832+/-0.865 χ^2/NDF: 5982.0/26

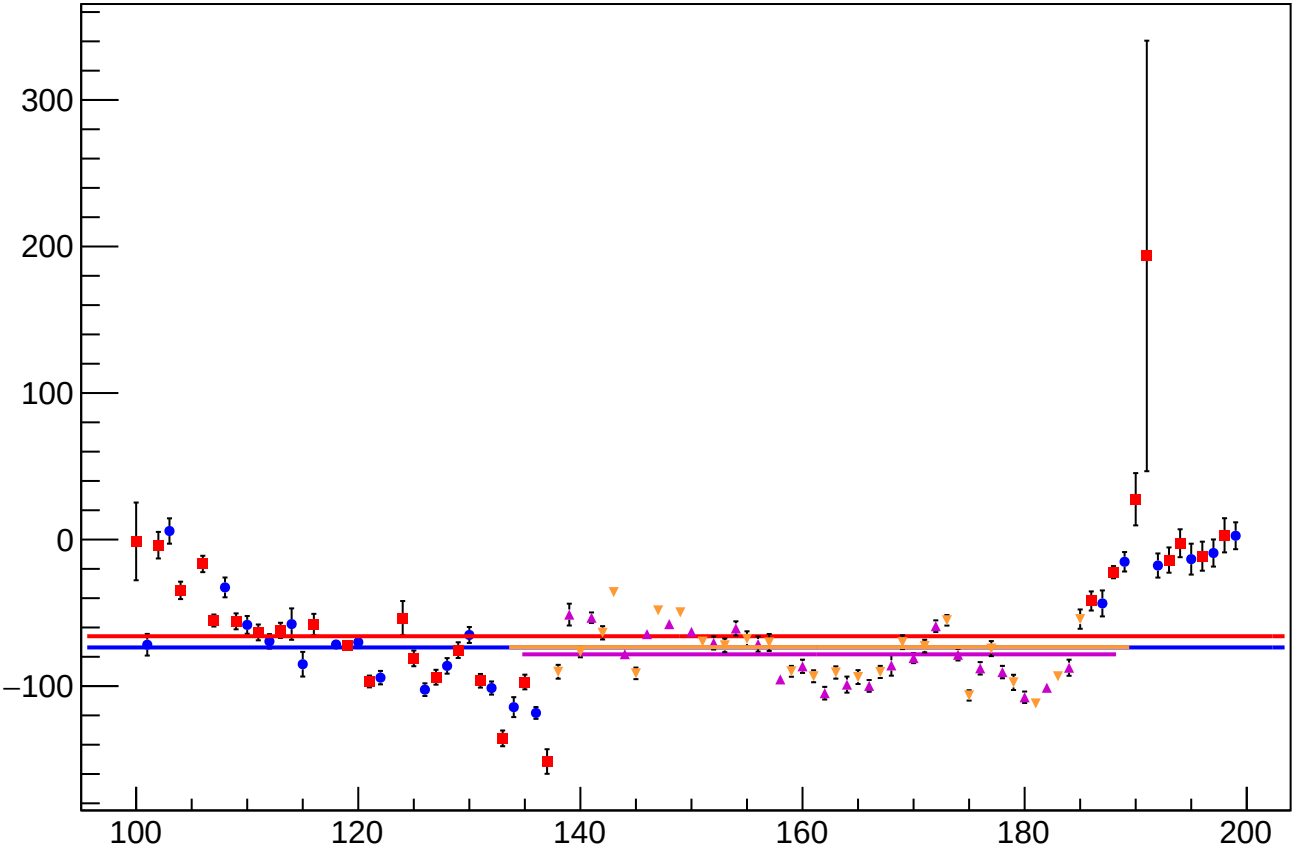
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -220.060+/-0.674 χ^2/NDF: 5209.4/46

All: -224.458+/-0.463 χ^2/NDF: 13303.1/96

- 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: -73.623+/-1.207 χ^2/NDF: 688.9/21

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

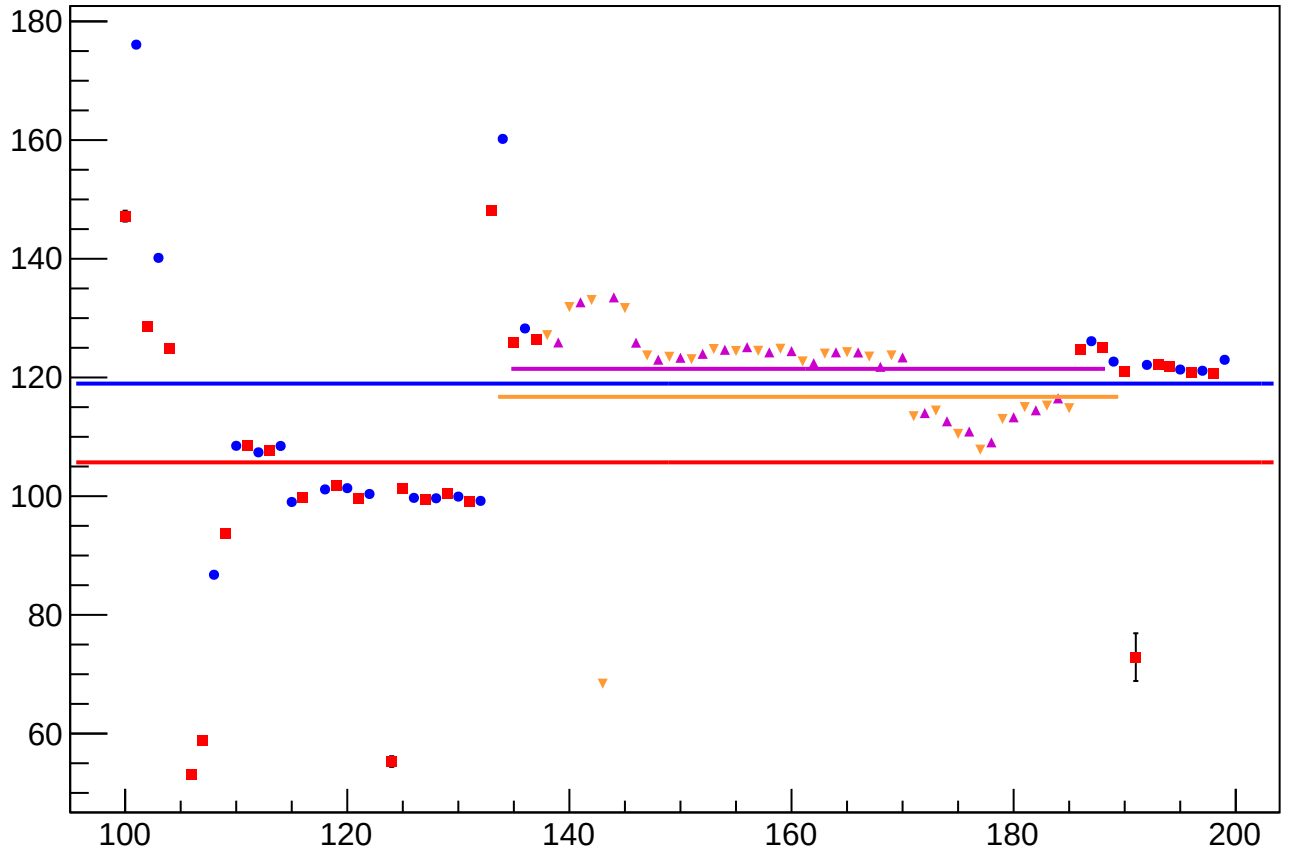
Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.483+/-0.647 χ^2/NDF: 1525.5/46

All: -73.771+/-0.463 χ^2/NDF: 2977.8/96

- sign -74.072+/-0.662 χ^2/NDF: 1451.9/49



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

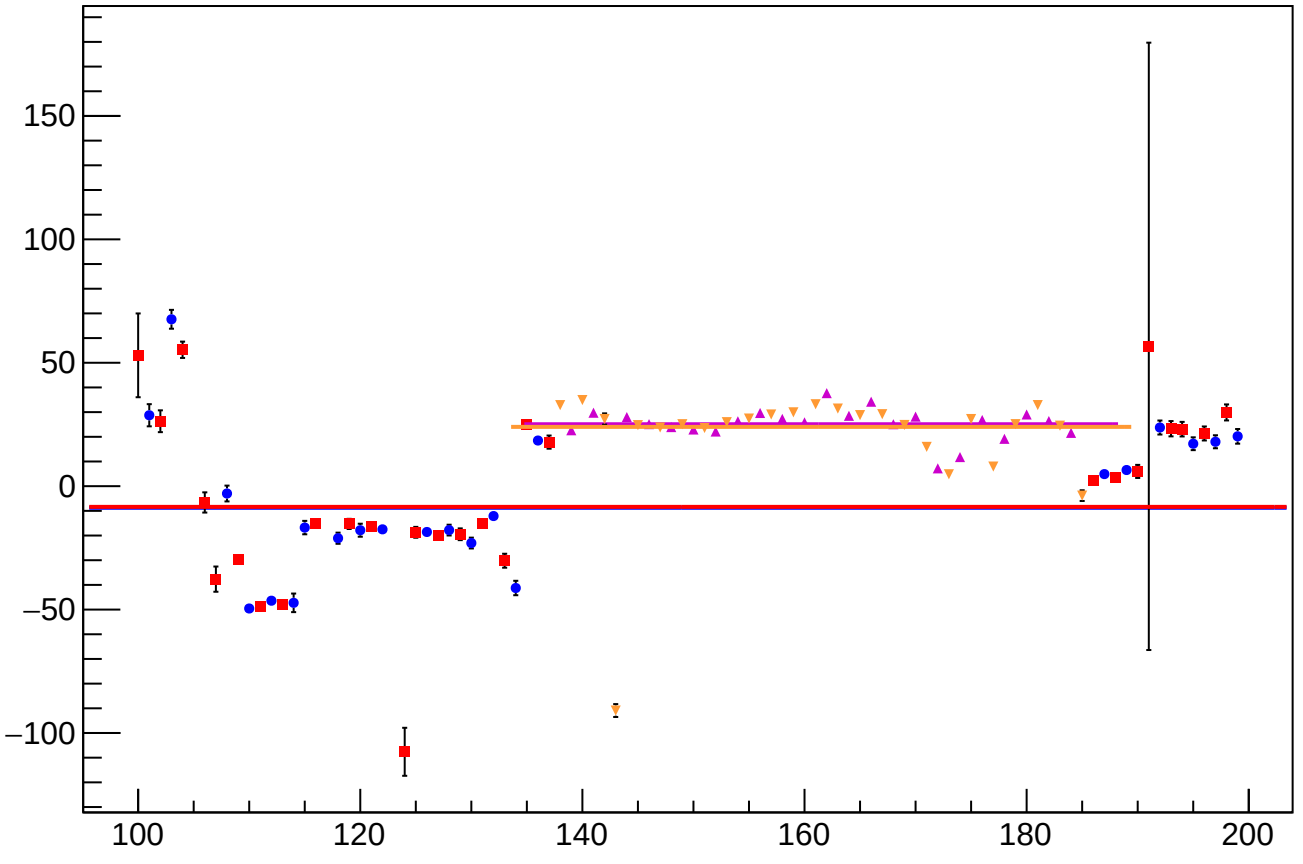
Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.241+/-0.032 χ^2/NDF: 301013.5/46

All: 117.169+/-0.022 χ^2/NDF: 574215.9/96

- sign 117.096+/-0.032 χ^2/NDF: 273192.0/49



Right In: -8.744+/-0.470 χ^2/NDF: 2823.3/21

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -8.386+/-0.420 χ^2/NDF: 3140.9/26

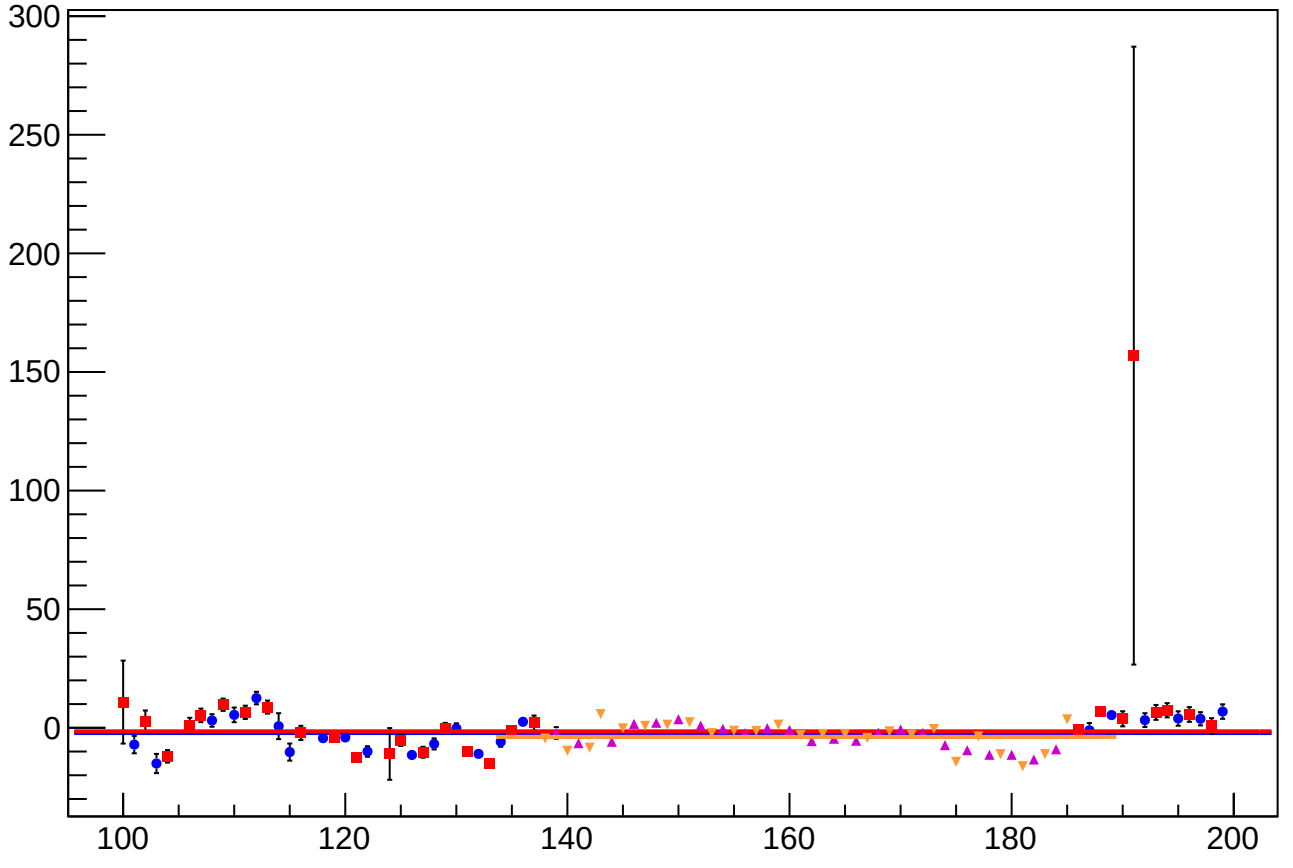
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.350+/-0.242 χ^2/NDF: 9200.0/46

All: 14.874+/-0.169 χ^2/NDF: 17174.6/96

- 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: -2.205+/-0.496 χ^2/NDF: 164.9/21

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

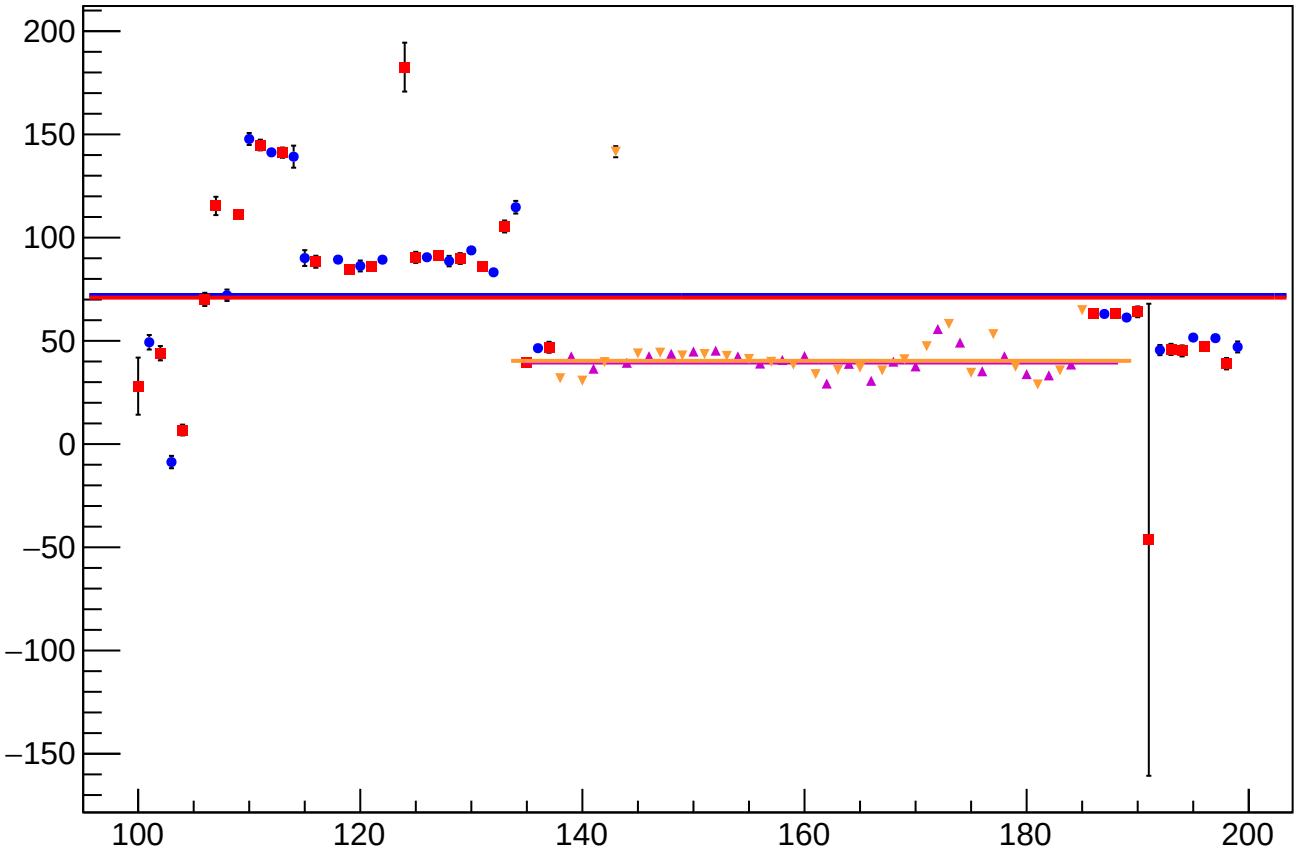
Right Out: -1.478+/-0.471 χ^2/NDF: 235.1/26

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.580+/-0.199 χ^2/NDF: 823.5/46

All: -3.469+/-0.142 χ^2/NDF: 1588.5/96

- sign -3.356+/-0.202 χ^2/NDF: 764.4/49



Right In: 72.206+/-0.487 χ^2/NDF: 3914.2/21

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

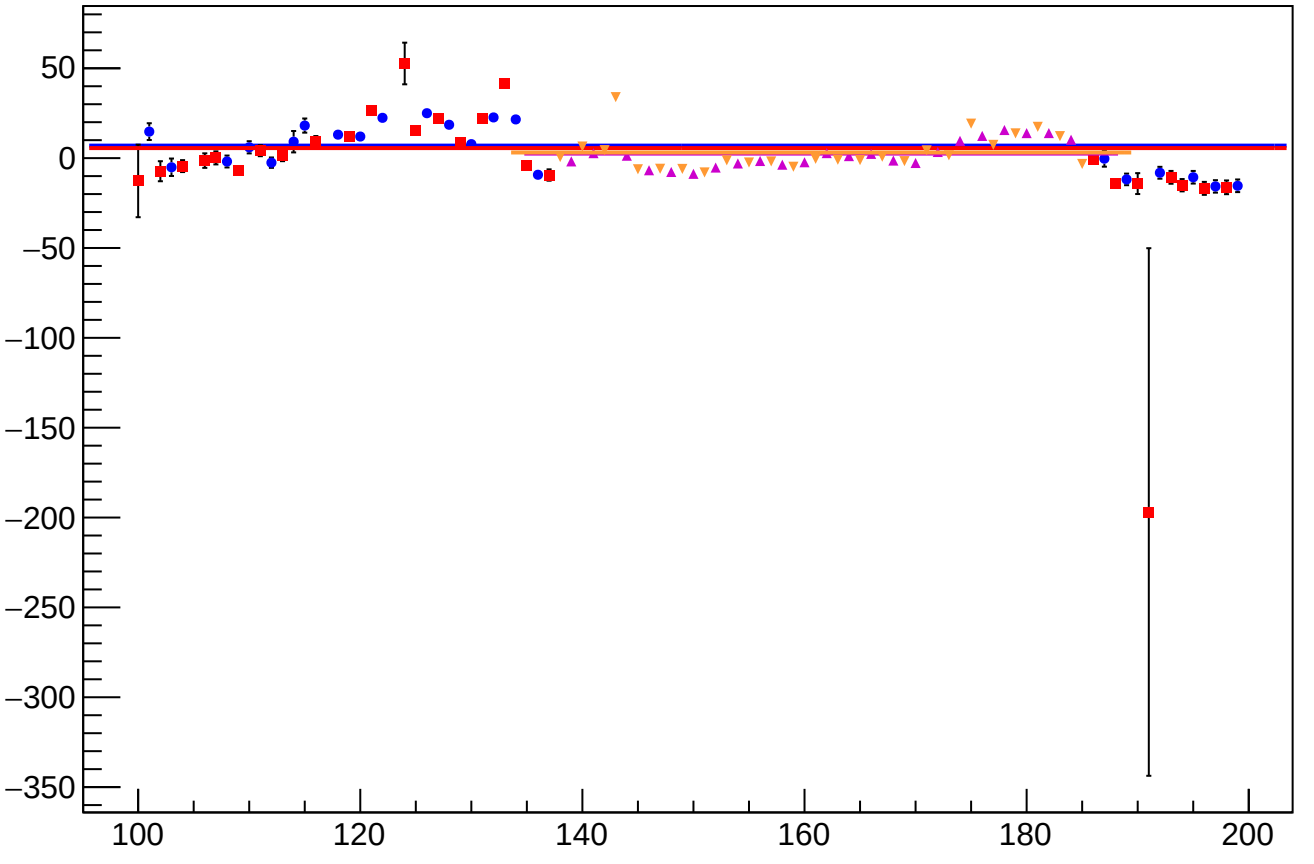
Right Out: 70.941+/-0.418 χ^2/NDF: 4218.2/26

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.253+/-0.243 χ^2/NDF: 9322.5/46

All: 48.879+/-0.169 χ^2/NDF: 17849.2/96

- sign 49.467+/-0.235 χ^2/NDF: 8513.9/49



Right In: 6.960+/-0.574 χ^2/NDF: 555.2/21

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

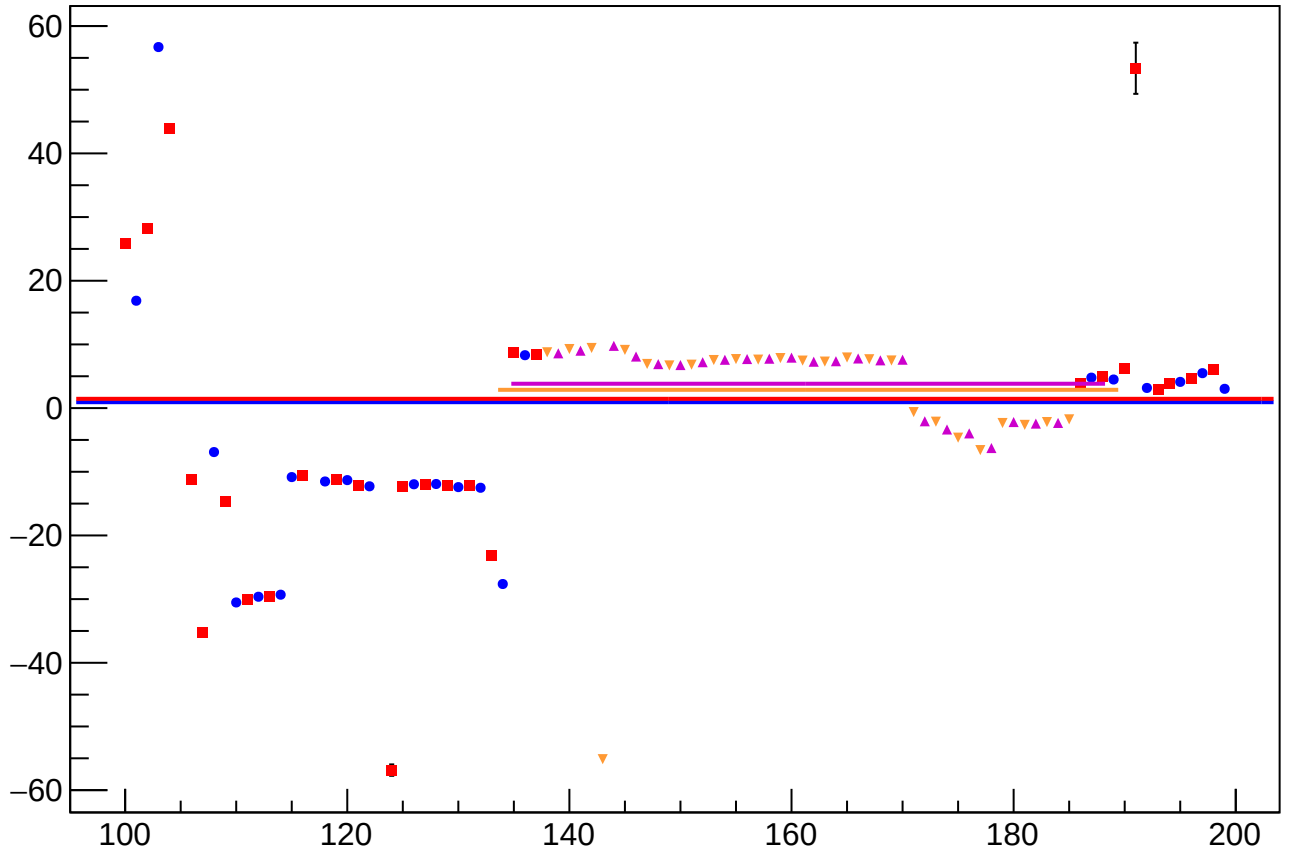
Right Out: 5.587+/-0.561 χ^2/NDF: 757.8/26

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.731+/-0.226 χ^2/NDF: 1859.6/46

All: 3.386+/-0.161 χ^2/NDF: 3615.2/96

- sign 3.030+/-0.229 χ^2/NDF: 1750.9/49



Right In: 0.927+/-0.029 χ^2/NDF: 374474.2/21

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

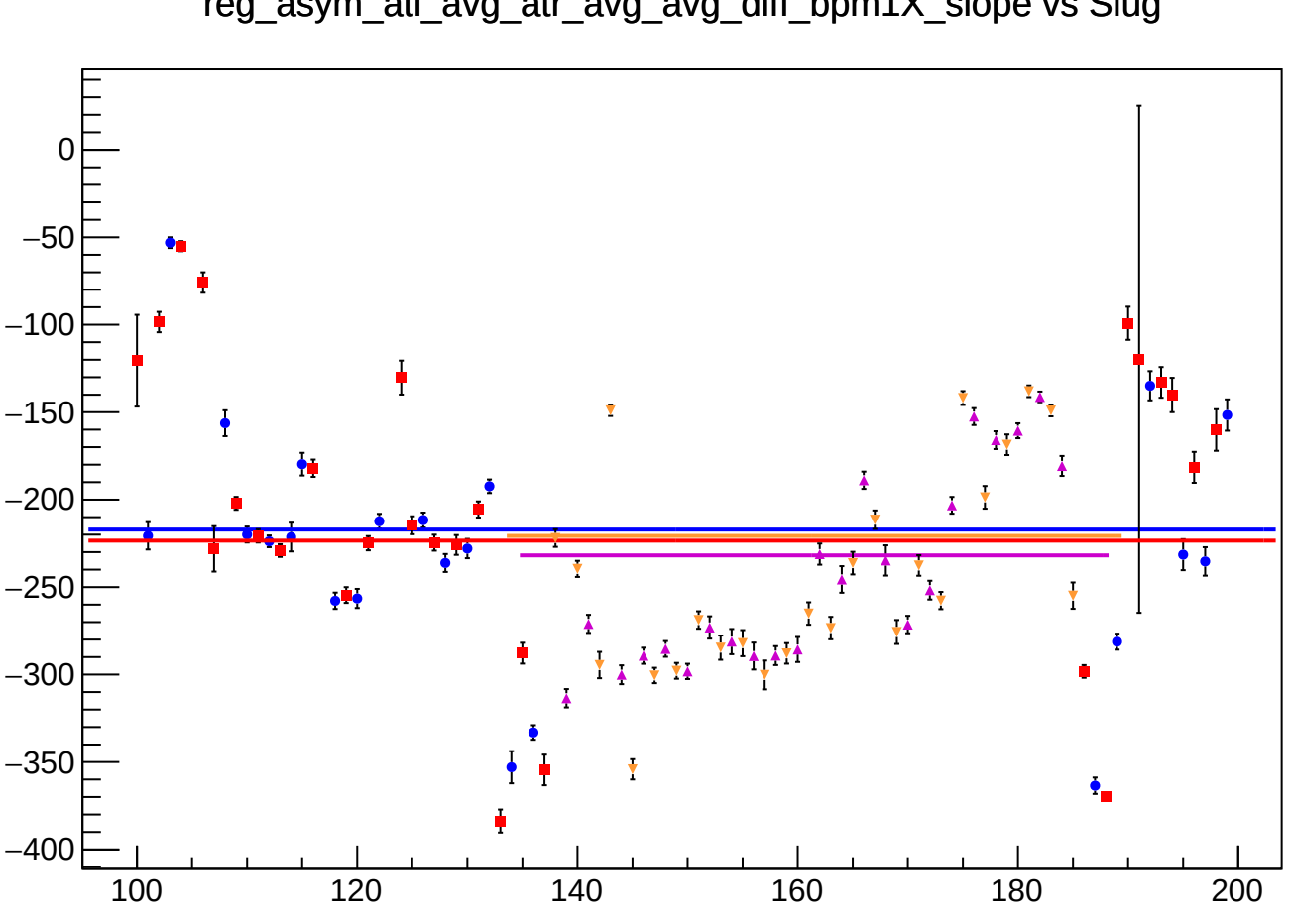
Right Out: 1.457+/-0.029 χ^2/NDF: 324774.5/26

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.624+/-0.010 χ^2/NDF: 890769.1/46

All: 3.067+/-0.007 χ^2/NDF: 1458422.2/96

- sign 3.519+/-0.010 χ^2/NDF: 563888.9/49



Right In: -217.098+/-1.078 χ^2/NDF: 5482.7/21

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -223.439+/-0.960 χ^2/NDF: 9988.3/26

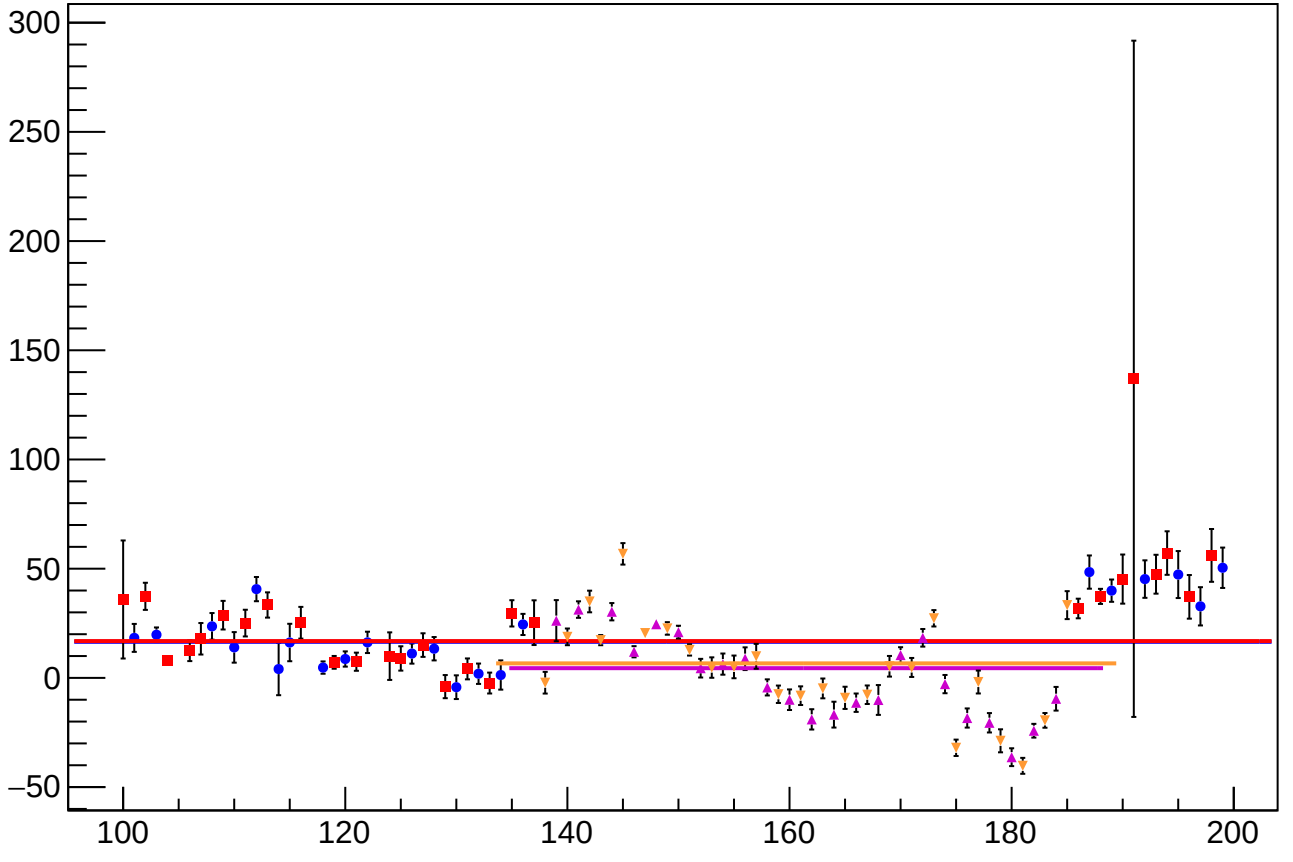
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -219.014+/-0.740 χ^2/NDF: 9540.9/46

All: -223.225+/-0.515 χ^2/NDF: 22786.5/96

- 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: 16.521+/-1.122 χ^2/NDF: 154.1/21

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 16.846+/-1.012 χ^2/NDF: 200.5/26

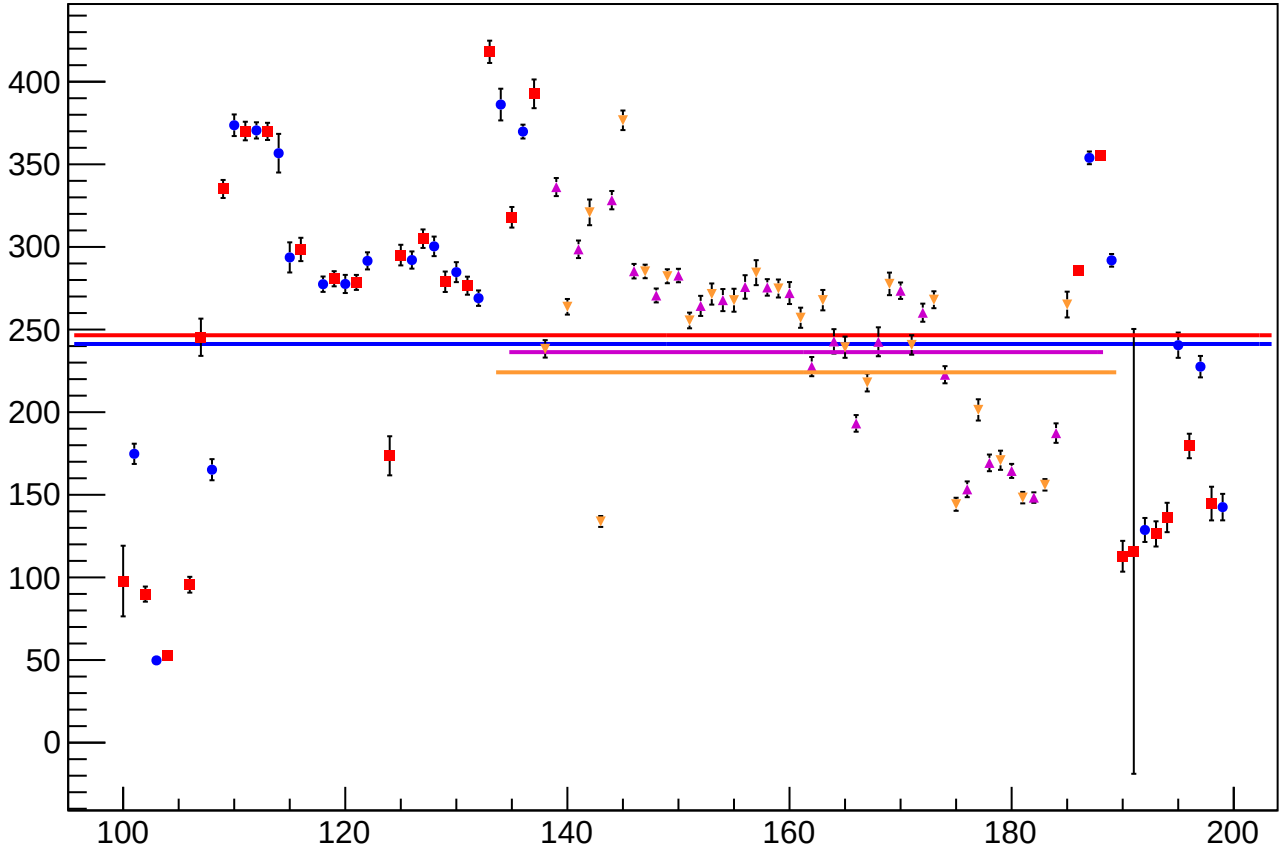
Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 9.706+/-0.625 χ^2/NDF: 942.5/46

All: 9.487+/-0.444 χ^2/NDF: 1802.1/96

- 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: 241.267+/-1.090 χ^2/NDF: 10882.0/21

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

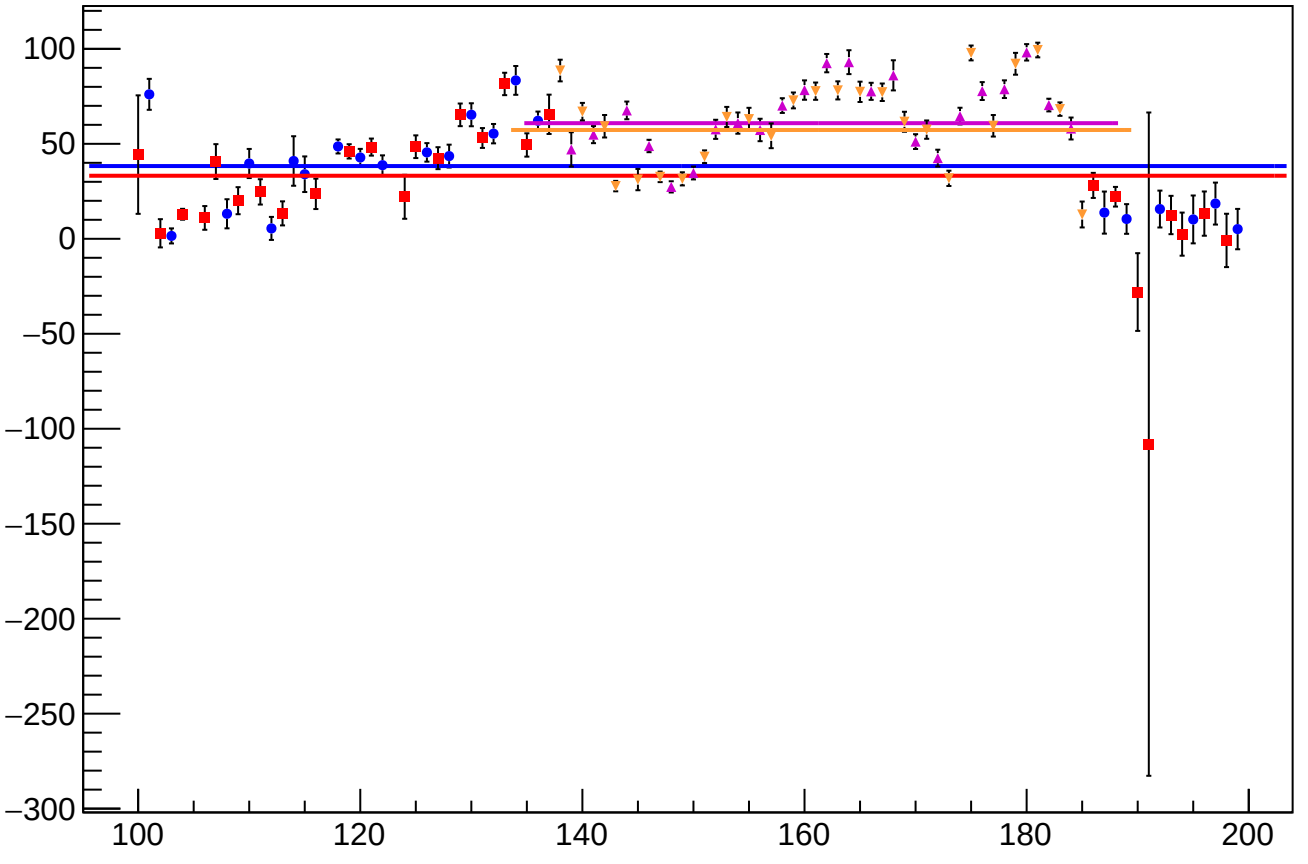
Right Out: 246.556+/-0.938 χ^2/NDF: 16241.2/26

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 232.071+/-0.742 χ^2/NDF: 14981.2/46

All: 237.349+/-0.511 χ^2/NDF: 34363.2/96

- sign 242.101+/-0.704 χ^2/NDF: 19285.9/49



Right In: 38.295+/-1.324 χ^2/NDF: 291.3/21

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

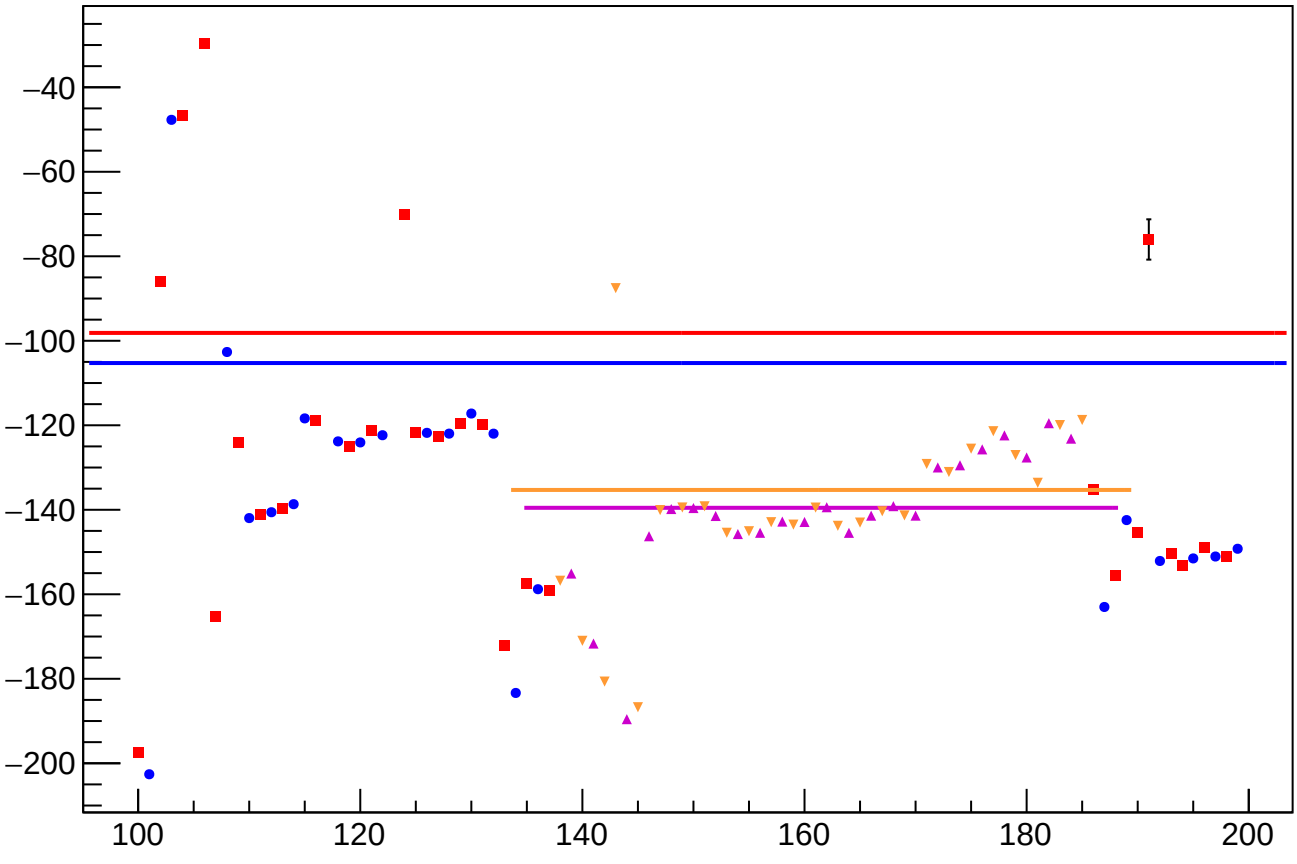
Right Out: 33.193+/-1.222 χ^2/NDF: 291.9/26

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

\+ sign 51.579+/-0.726 χ^2/NDF: 1203.1/46

All: 51.210+/-0.517 χ^2/NDF: 2277.0/96

\- sign 50.830+/-0.736 χ^2/NDF: 1073.4/49



Right In: -105.269+/-0.063 χ^2/NDF: 631997.1/21

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

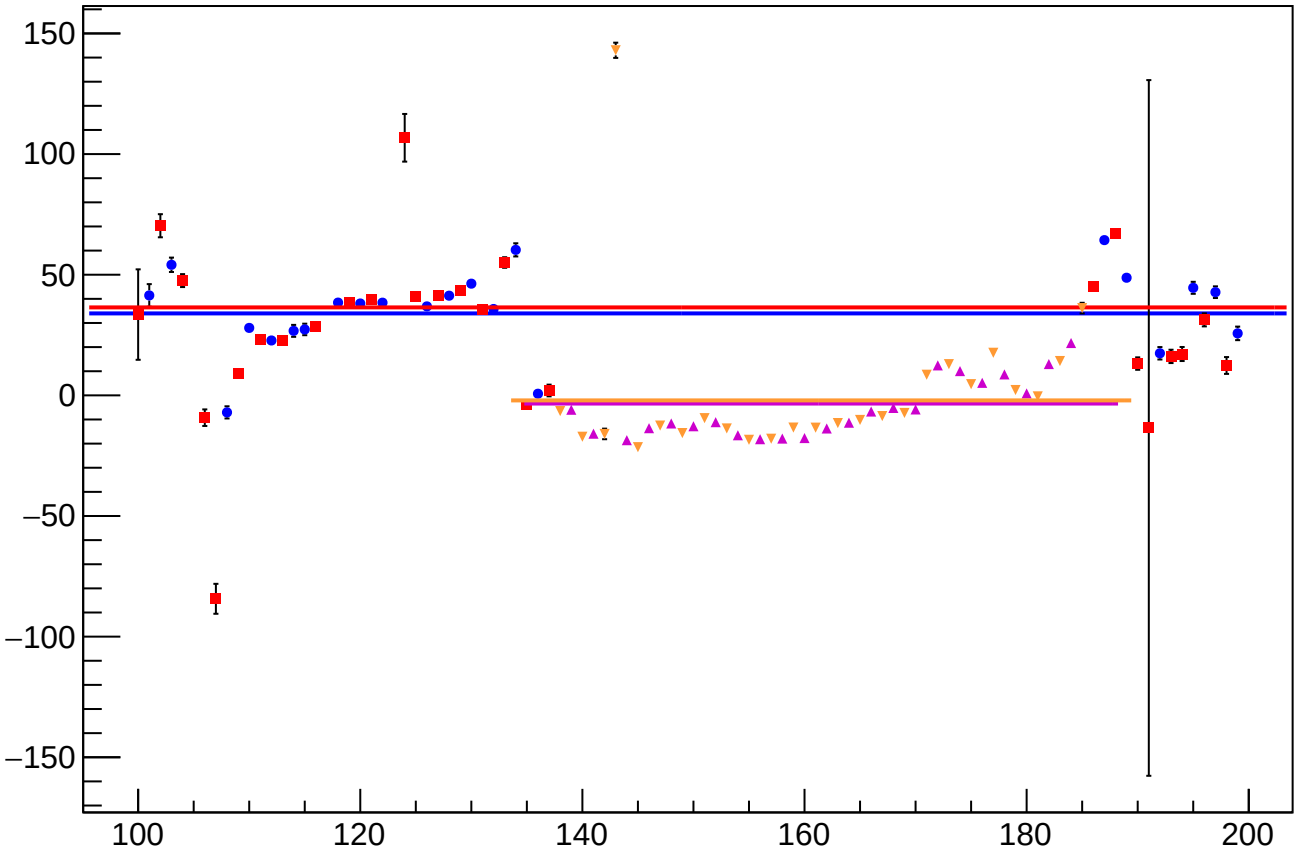
Right Out: -98.139+/-0.060 χ^2/NDF: 664065.6/26

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -126.483+/-0.034 χ^2/NDF: 1055822.6/46

All: -126.210+/-0.024 χ^2/NDF: 2152012.5/96

- sign -125.931+/-0.035 χ^2/NDF: 1096060.7/49



Right In: 33.963+/-0.370 χ^2/NDF: 2232.6/21

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

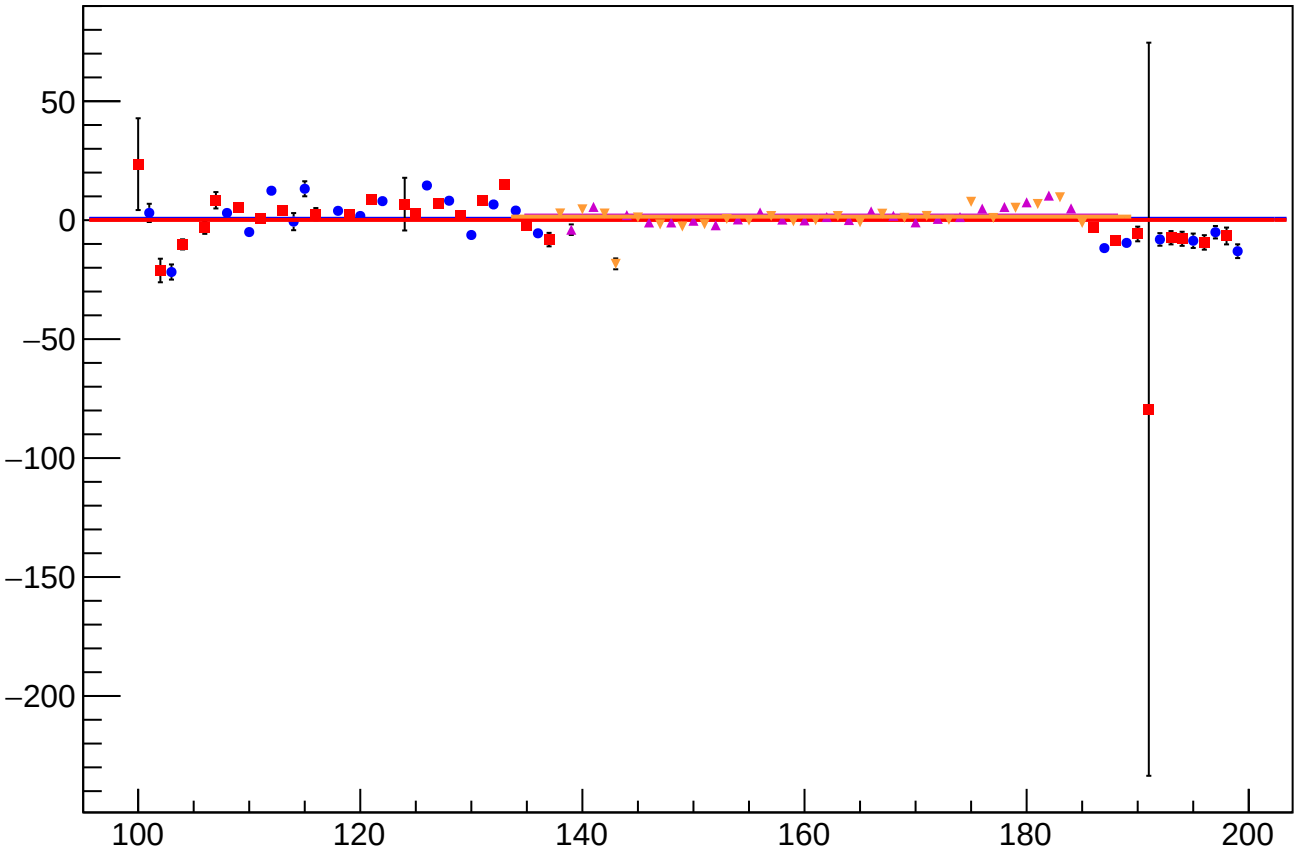
Right Out: 36.453+/-0.320 χ^2/NDF: 4536.4/26

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 10.258+/-0.216 χ^2/NDF: 12690.4/46

All: 11.818+/-0.150 χ^2/NDF: 28086.3/96

\- sign 13.247+/-0.207 χ^2/NDF: 15296.3/49



Right In: 0.576+/-0.399 χ^2/NDF: 404.3/21

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

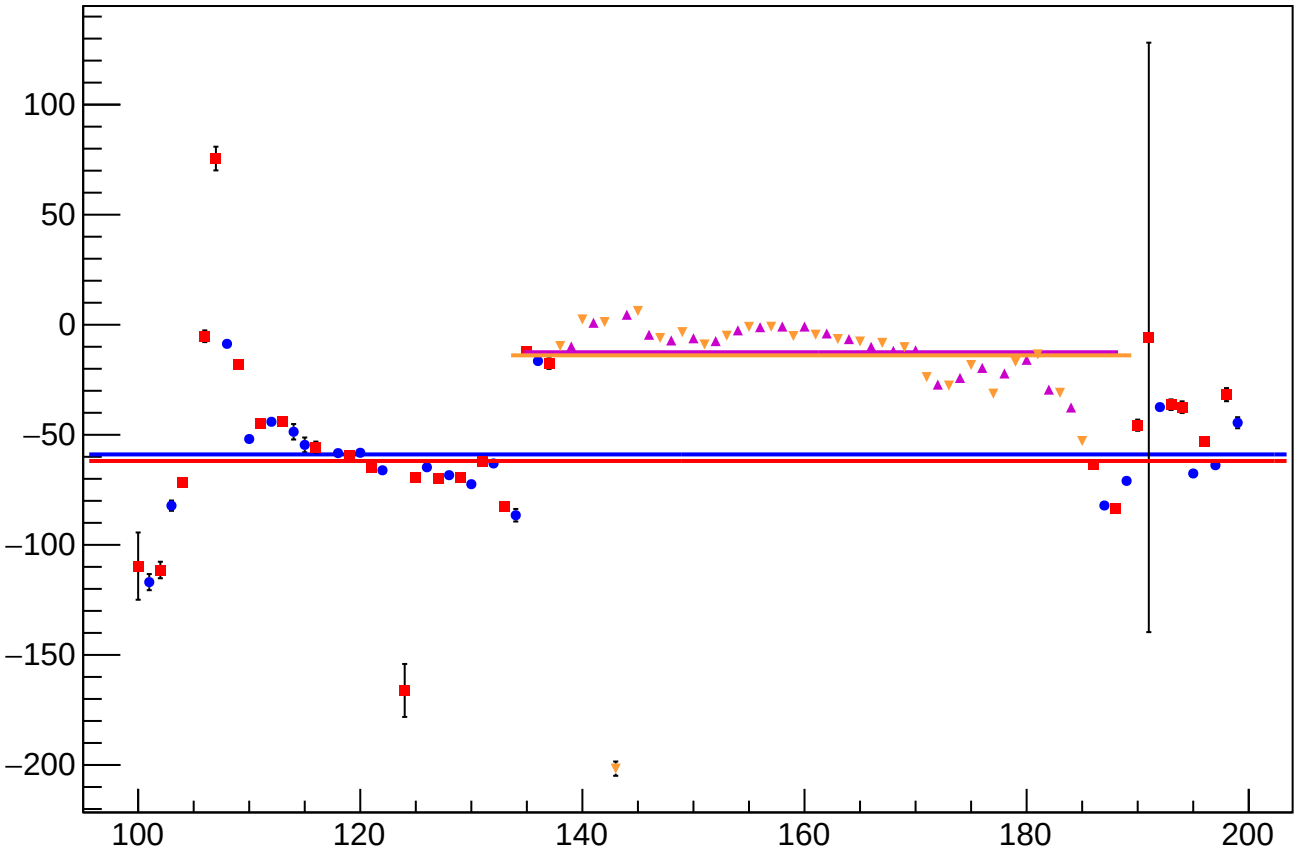
Right Out: 0.103+/-0.370 χ^2/NDF: 348.5/26

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.298+/-0.182 χ^2/NDF: 737.0/46

All: 1.391+/-0.129 χ^2/NDF: 1345.1/96

\- sign 1.486+/-0.183 χ^2/NDF: 607.7/49



Right In: -58.905+/-0.385 χ^2/NDF: 3253.9/21

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

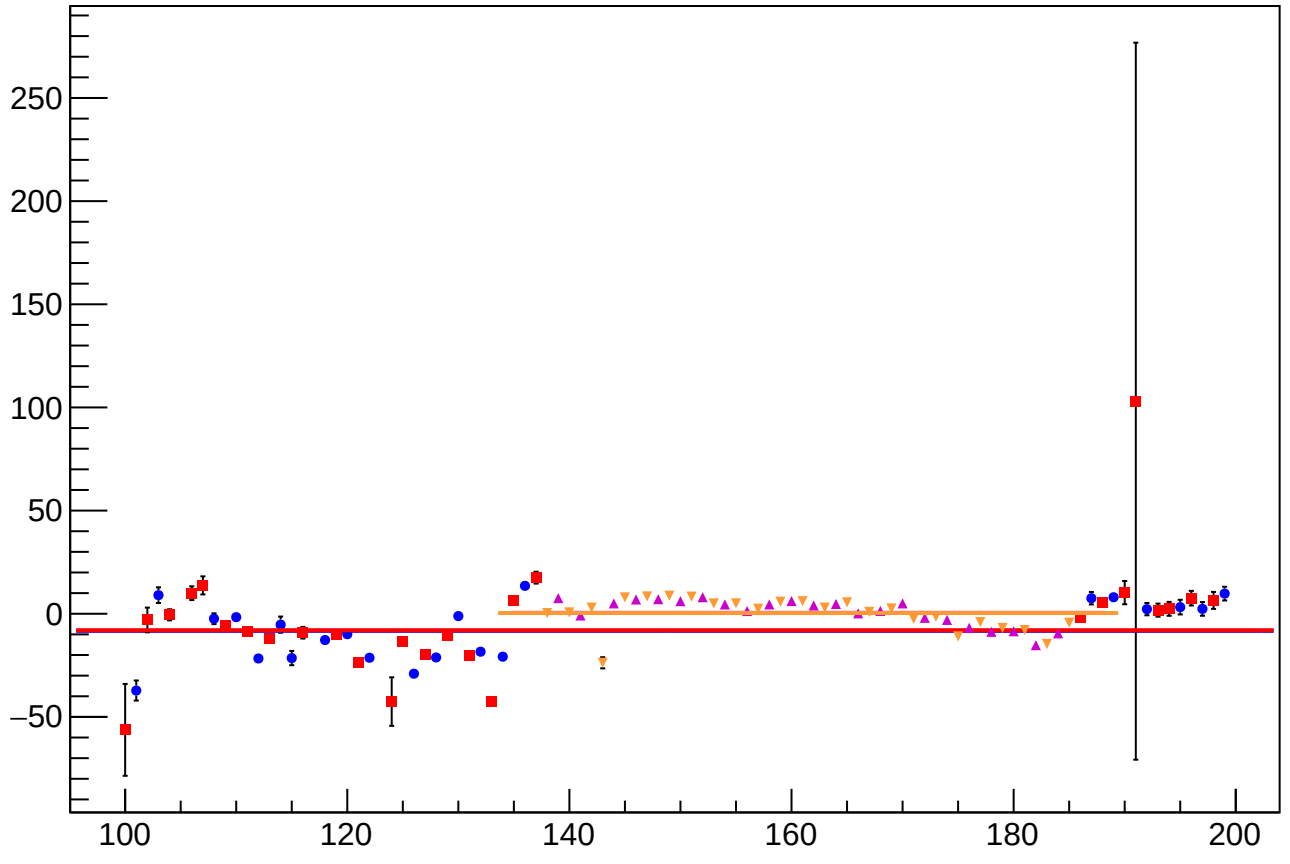
Right Out: -61.889+/-0.316 χ^2/NDF: 5307.7/26

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -28.333+/-0.218 χ^2/NDF: 17645.8/46

All: -30.920+/-0.149 χ^2/NDF: 38812.6/96

- sign -33.198+/-0.205 χ^2/NDF: 20902.5/49



Right In: -8.267+/-0.467 χ^2/NDF: 827.9/21

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

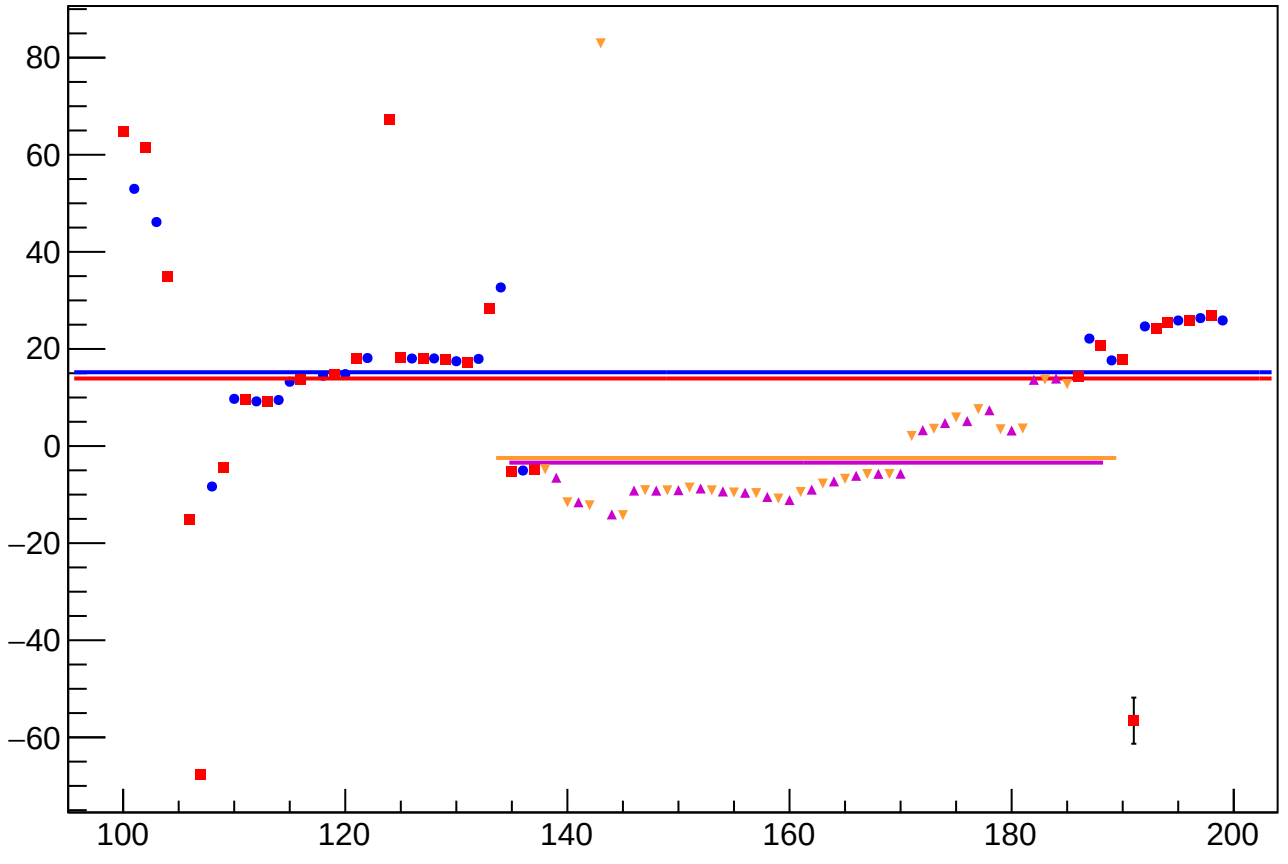
Right Out: -8.003+/-0.448 χ^2/NDF: 864.9/26

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.351+/-0.207 χ^2/NDF: 2022.7/46

All: -1.379+/-0.147 χ^2/NDF: 3946.9/96

\- sign -1.408+/-0.209 χ^2/NDF: 1924.2/49



Right In: 15.204+/-0.025 χ^2/NDF: 409789.3/21

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

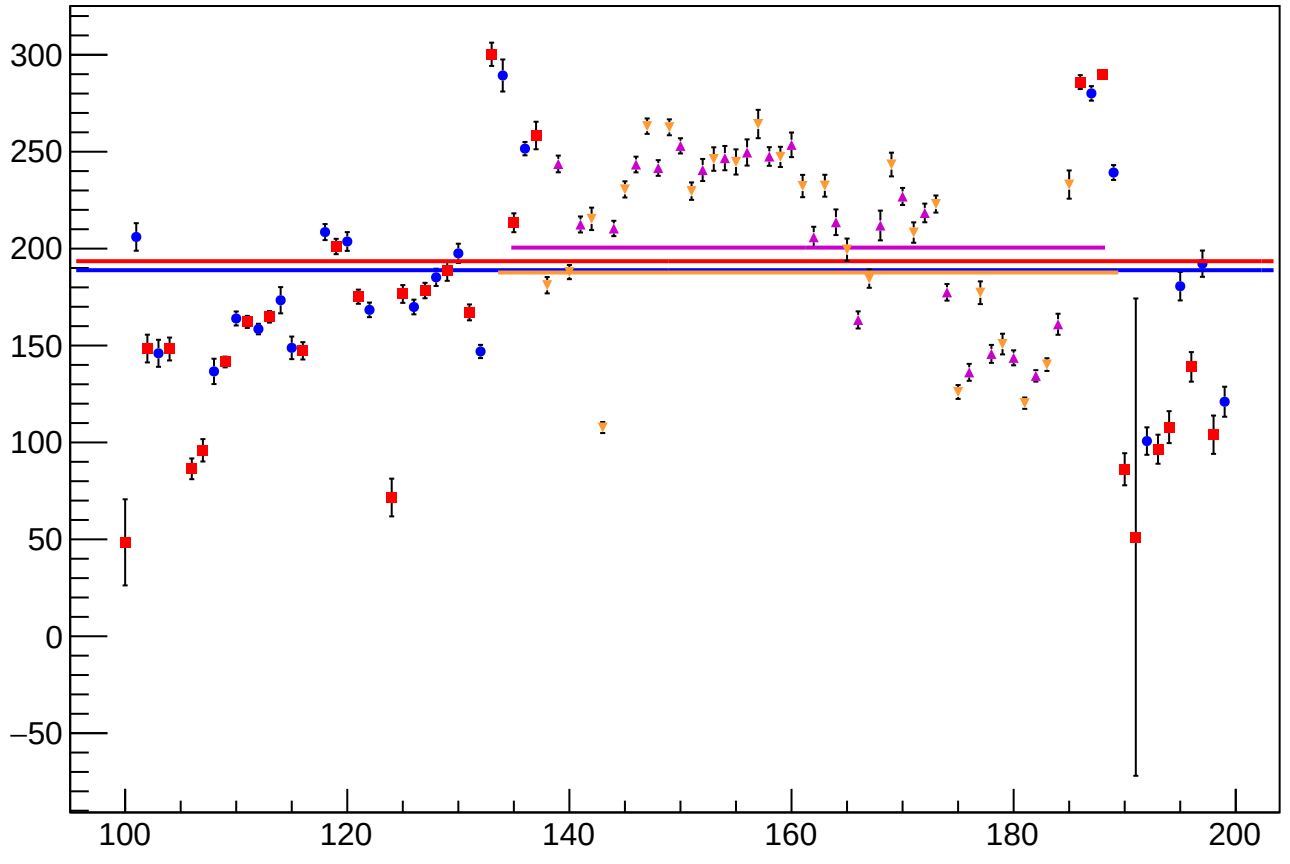
Right Out: 13.914+/-0.025 χ^2/NDF: 518739.4/26

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.156+/-0.010 χ^2/NDF: 1801279.9/46

All: -0.315+/-0.007 χ^2/NDF: 3289213.7/96

- sign -0.793+/-0.010 χ^2/NDF: 1483037.7/49



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

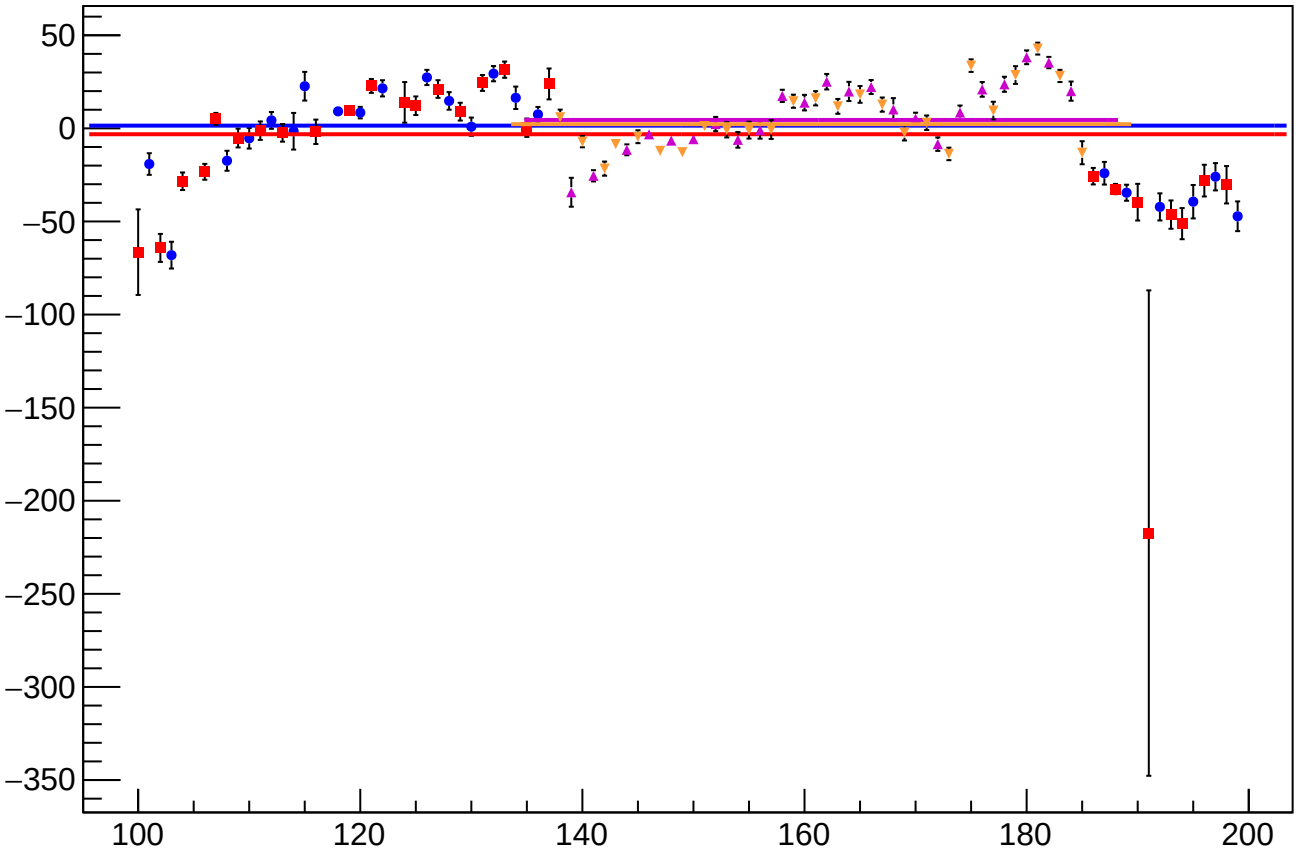
Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 188.225+/-0.660 χ^2/NDF: 5576.7/46

All: 192.573+/-0.458 χ^2/NDF: 13562.6/96

\- sign 196.630+/-0.637 χ^2/NDF: 7901.9/49



Right In: 1.461+/-1.024 χ^2/NDF: 462.0/21

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

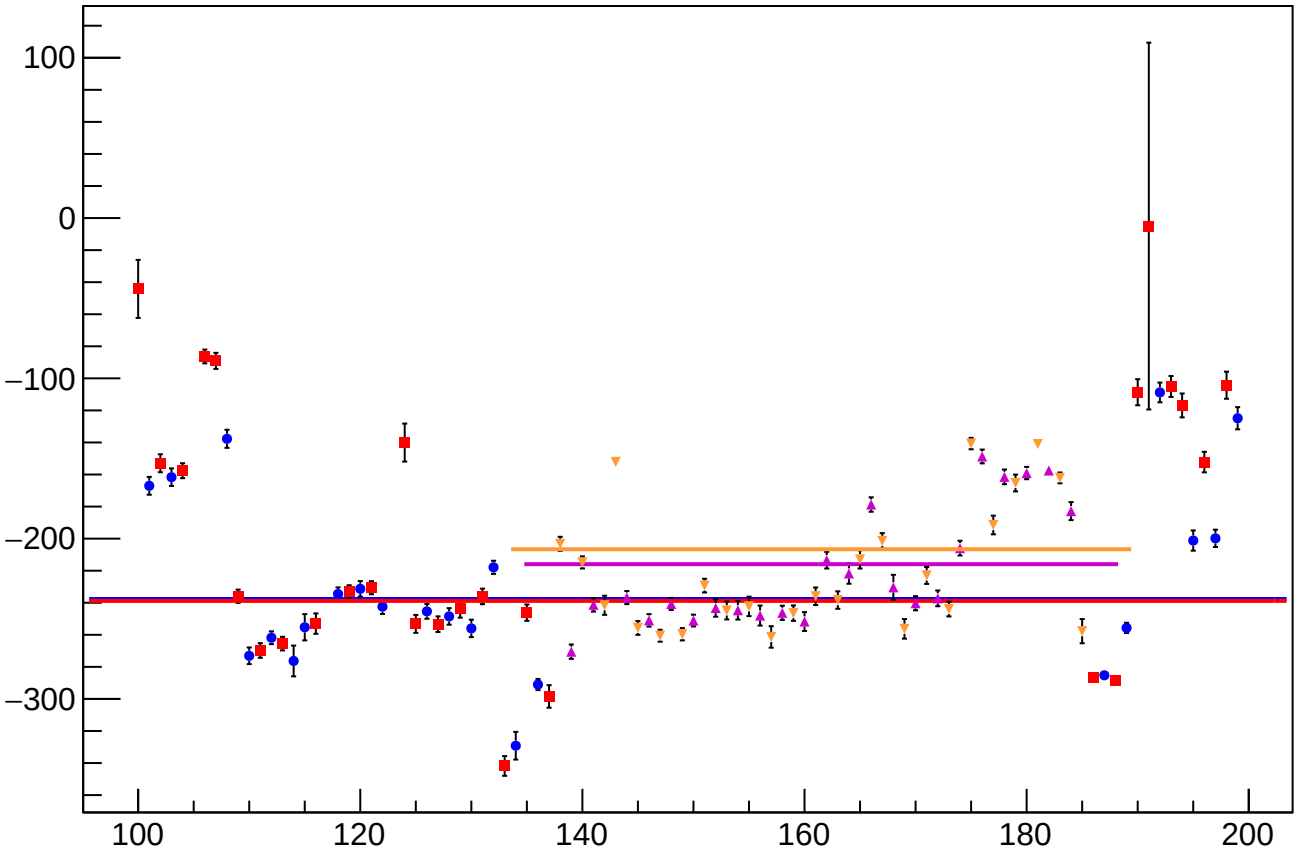
Right Out: -3.157+/-0.939 χ^2/NDF: 602.6/26

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 2.013+/-0.557 χ^2/NDF: 1063.3/46

All: 1.860+/-0.398 χ^2/NDF: 2255.5/96

\- sign 1.701+/-0.568 χ^2/NDF: 1192.0/49



Right In: -237.653+/-1.024 χ^2/NDF: 2220.4/21

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

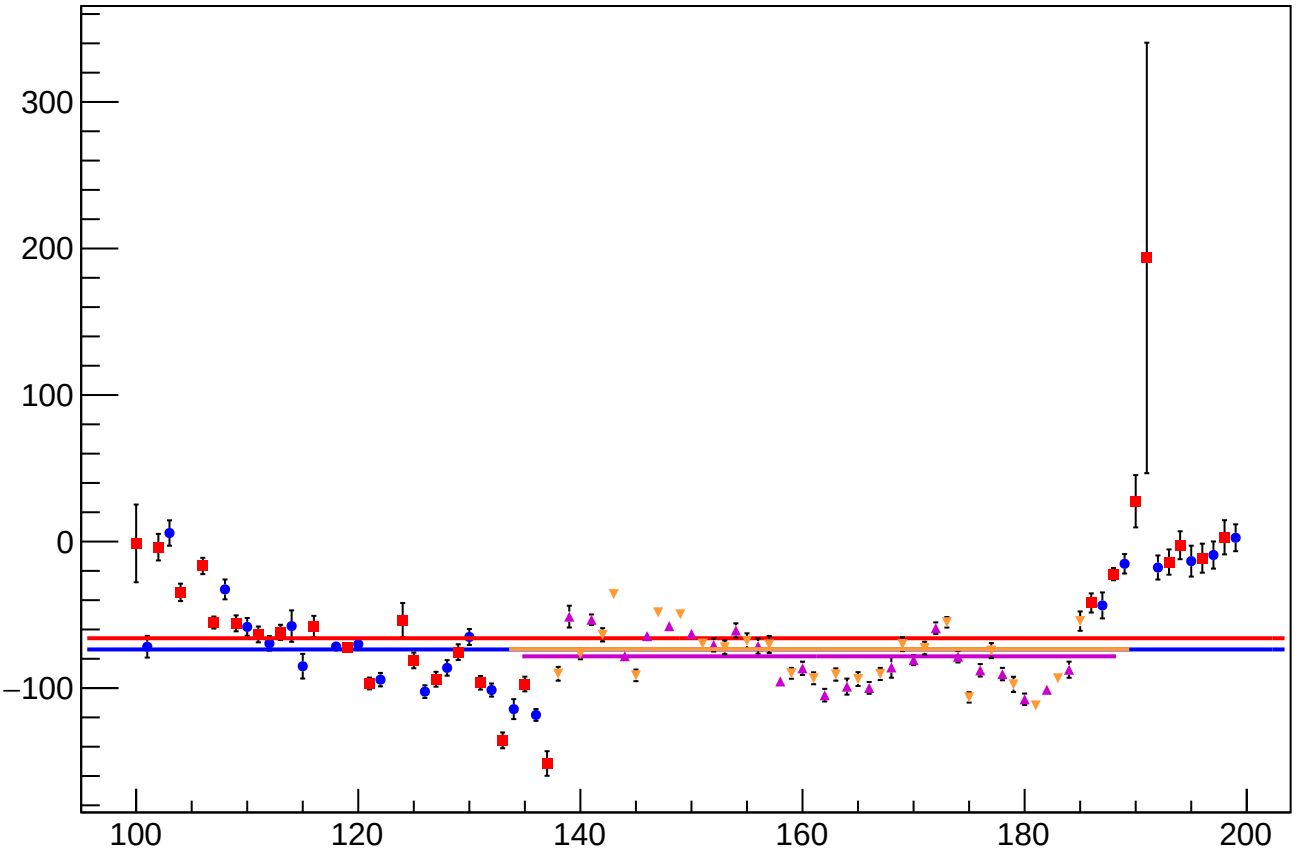
Right Out: -238.832+/-0.865 χ^2/NDF: 5982.0/26

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

\+ sign -220.060+/-0.674 χ^2/NDF: 5209.4/46

All: -224.458+/-0.463 χ^2/NDF: 13303.1/96

\- sign -228.408+/-0.638 χ^2/NDF: 8012.8/49



Right In: -73.623+/-1.207 χ^2/NDF: 688.9/21

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

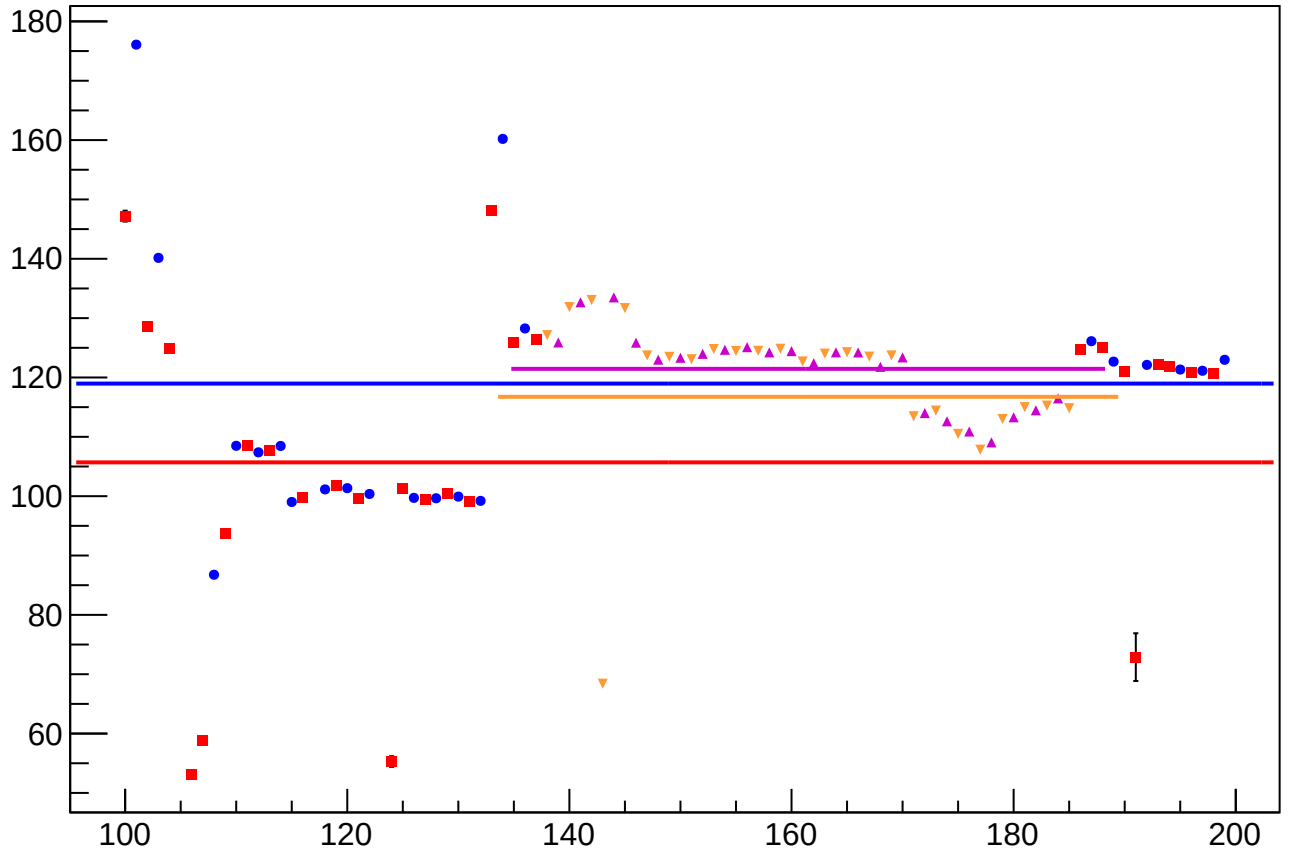
Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.483+/-0.647 χ^2/NDF: 1525.5/46

All: -73.771+/-0.463 χ^2/NDF: 2977.8/96

- sign -74.072+/-0.662 χ^2/NDF: 1451.9/49



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

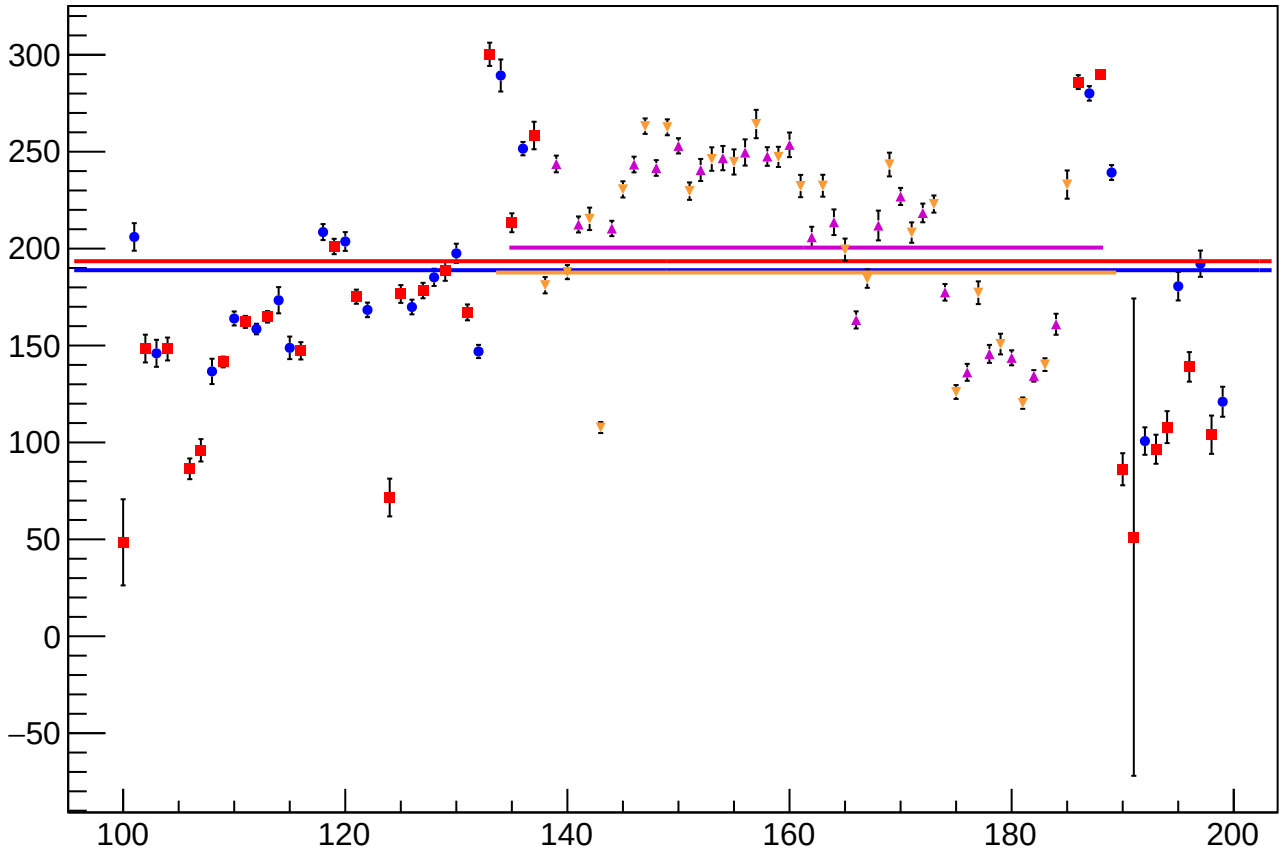
Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.241+/-0.032 χ^2/NDF: 301013.5/46

All: 117.169+/-0.022 χ^2/NDF: 574215.9/96

- sign 117.096+/-0.032 χ^2/NDF: 273192.0/49



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

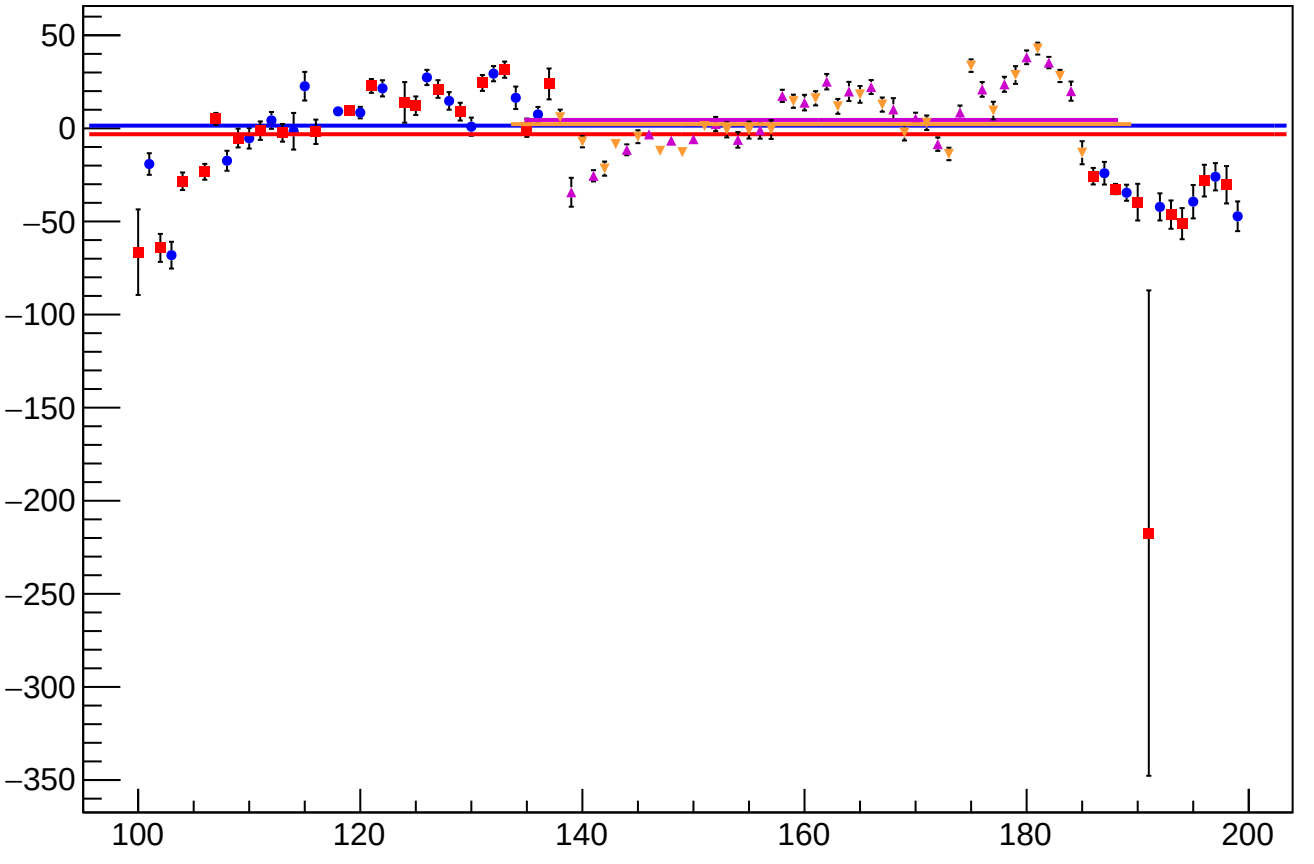
Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 188.225+/-0.660 χ^2/NDF: 5576.7/46

All: 192.573+/-0.458 χ^2/NDF: 13562.6/96

\- sign 196.630+/-0.637 χ^2/NDF: 7901.9/49



Right In: 1.461+/-1.024 χ^2/NDF: 462.0/21

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

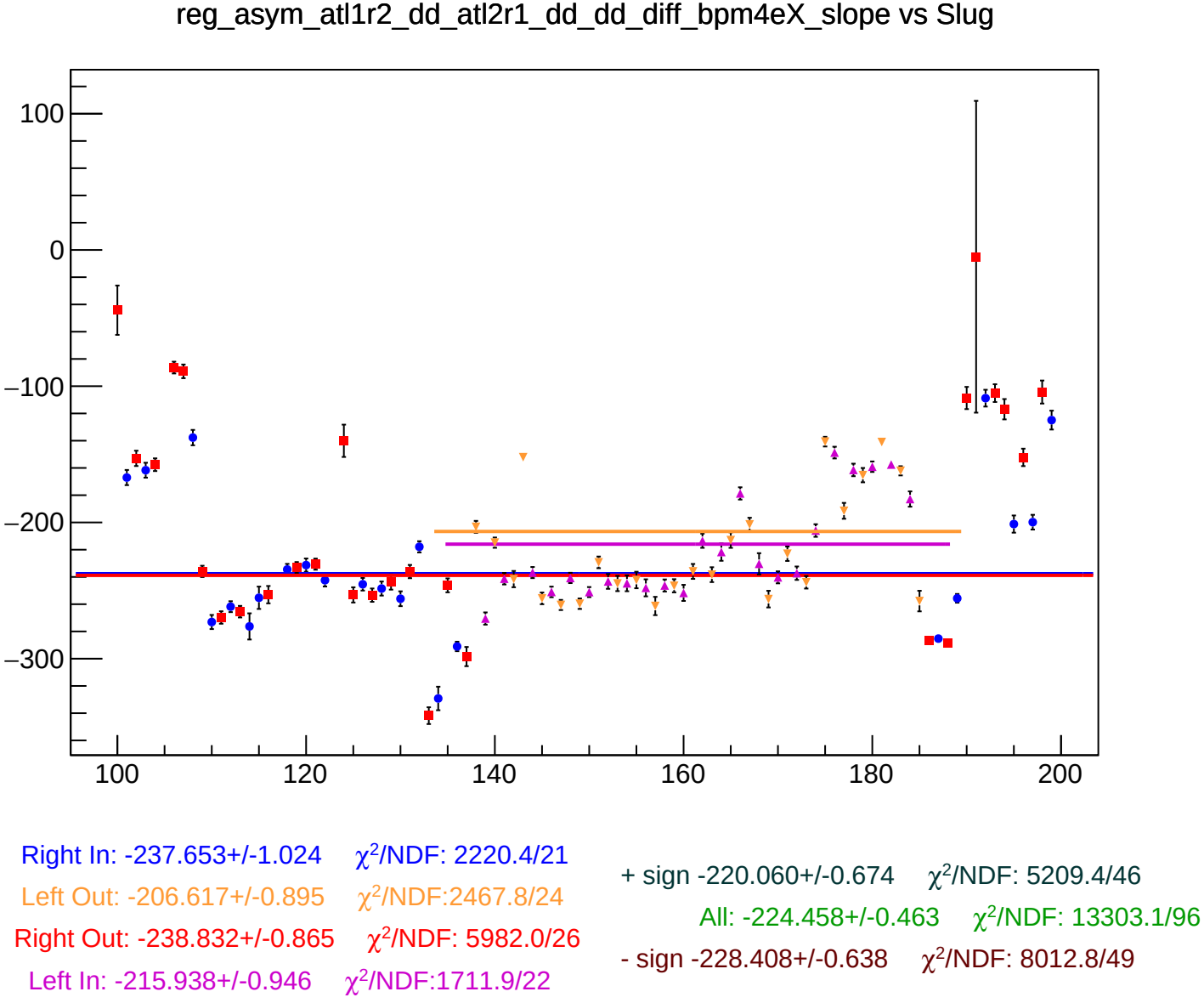
Right Out: -3.157+/-0.939 χ^2/NDF: 602.6/26

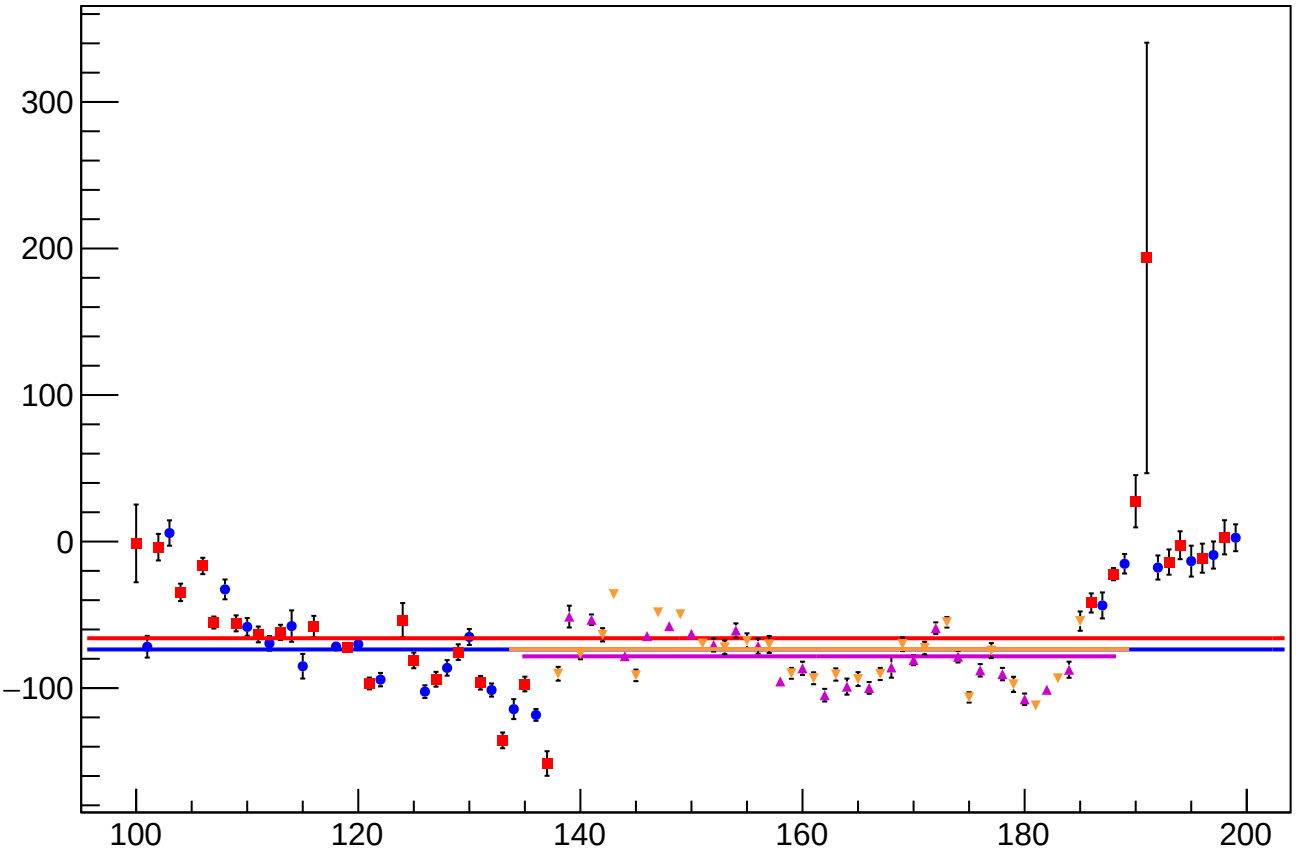
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 2.013+/-0.557 χ^2/NDF: 1063.3/46

All: 1.860+/-0.398 χ^2/NDF: 2255.5/96

\- sign 1.701+/-0.568 χ^2/NDF: 1192.0/49


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug
100
0
−100
−200
−300
100
120
140
160
180
200
Right In: -237.653+/-1.024 χ²/NDF: 2220.4/21
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -238.832+/-0.865 χ²/NDF: 5982.0/26
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
+ sign -220.060+/-0.674 χ²/NDF: 5209.4/46
All: -224.458+/-0.463 χ²/NDF: 13303.1/96
- sign -228.408+/-0.638 χ²/NDF: 8012.8/49



Right In: -73.623+/-1.207 χ^2/NDF: 688.9/21

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

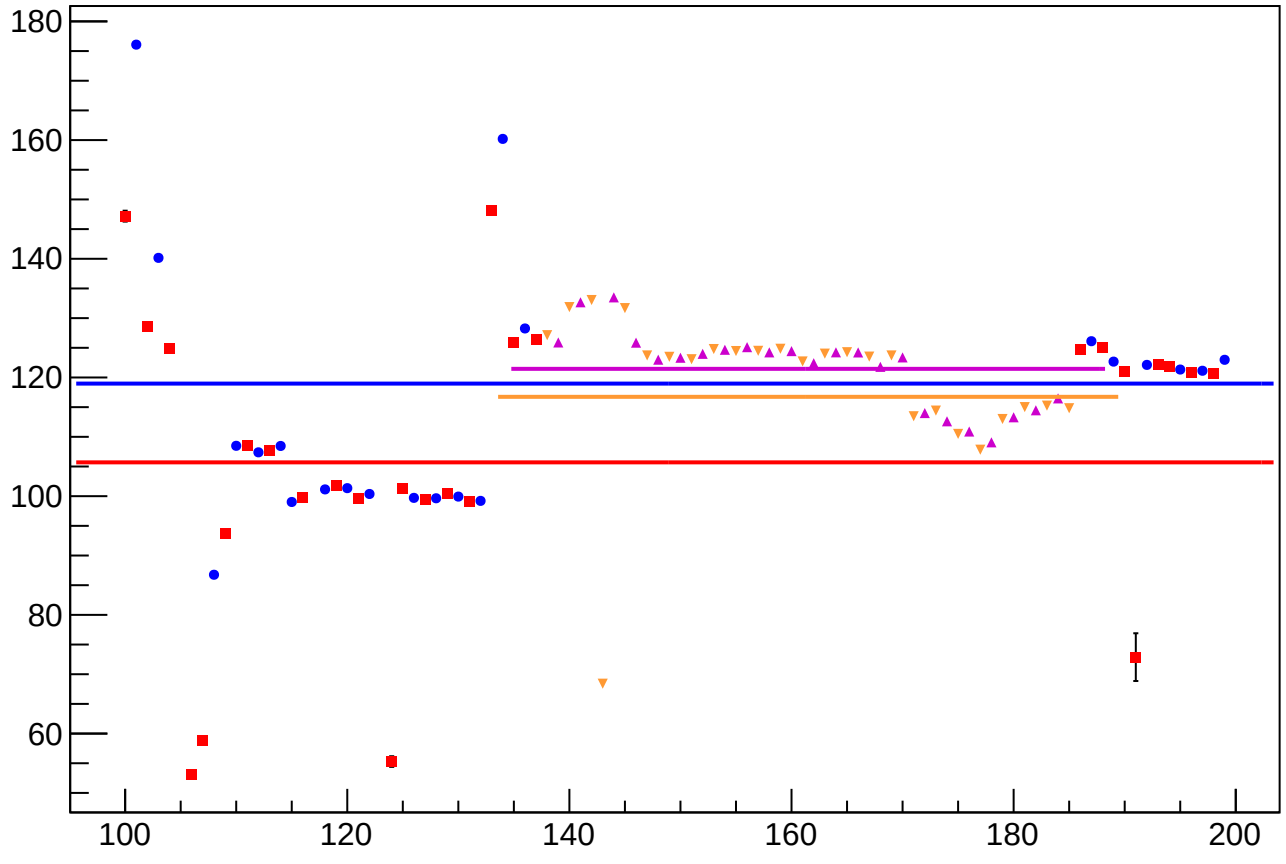
Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.483+/-0.647 χ^2/NDF: 1525.5/46

All: -73.771+/-0.463 χ^2/NDF: 2977.8/96

- sign -74.072+/-0.662 χ^2/NDF: 1451.9/49



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

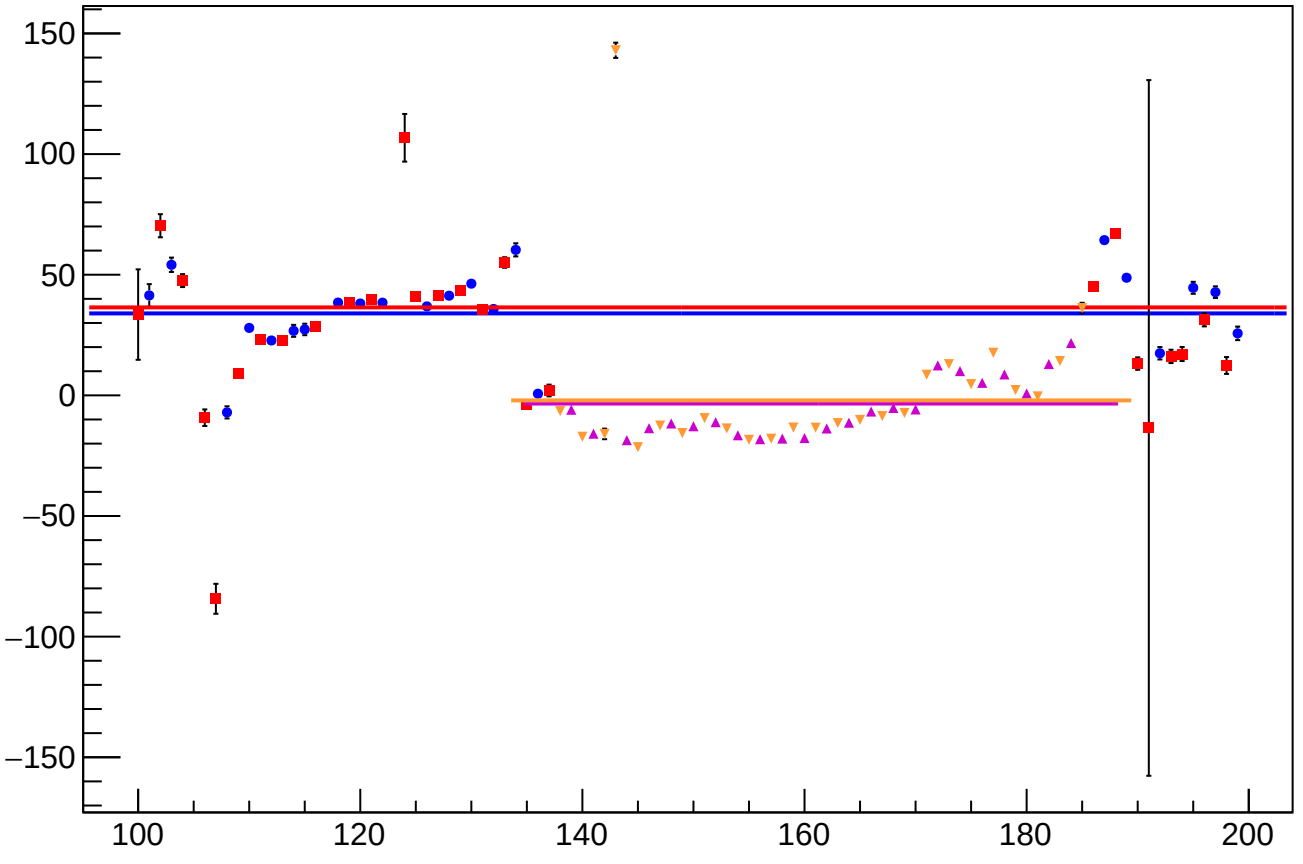
Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.241+/-0.032 χ^2/NDF: 301013.5/46

All: 117.169+/-0.022 χ^2/NDF: 574215.9/96

- sign 117.096+/-0.032 χ^2/NDF: 273192.0/49



Right In: 33.963+/-0.370 χ^2/NDF: 2232.6/21

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

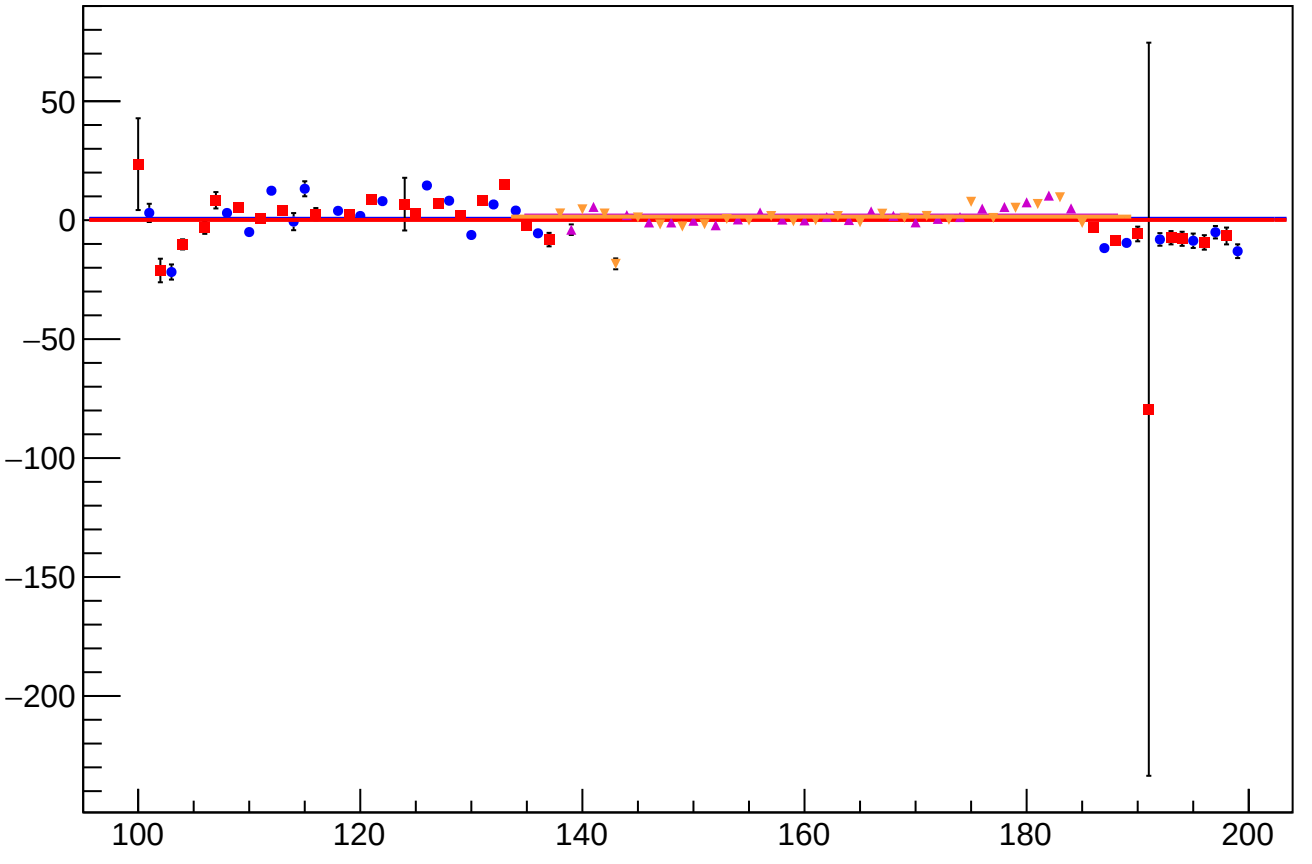
Right Out: 36.453+/-0.320 χ^2/NDF: 4536.4/26

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 10.258+/-0.216 χ^2/NDF: 12690.4/46

All: 11.818+/-0.150 χ^2/NDF: 28086.3/96

- sign 13.247+/-0.207 χ^2/NDF: 15296.3/49



Right In: 0.576+/-0.399 χ^2/NDF: 404.3/21

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

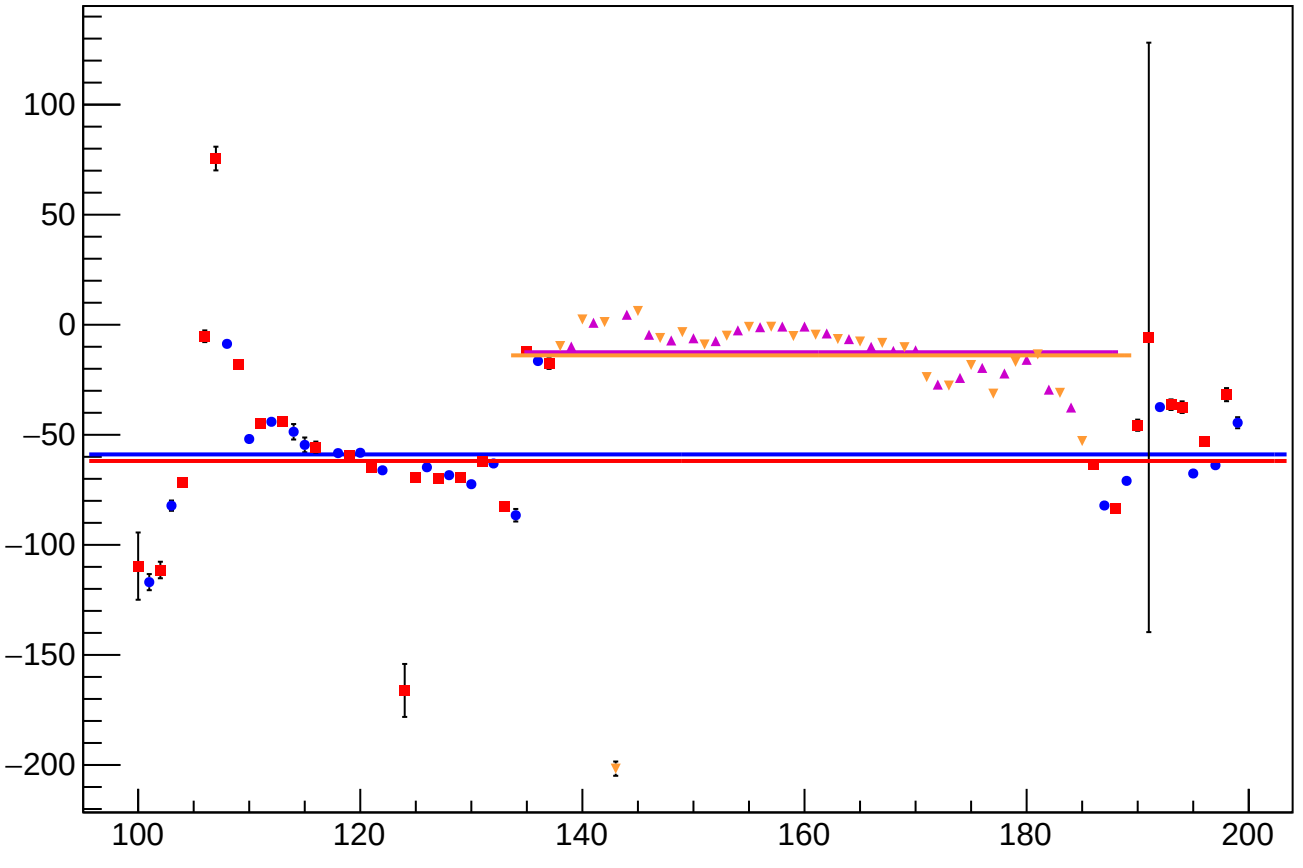
Right Out: 0.103+/-0.370 χ^2/NDF: 348.5/26

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.298+/-0.182 χ^2/NDF: 737.0/46

All: 1.391+/-0.129 χ^2/NDF: 1345.1/96

\- sign 1.486+/-0.183 χ^2/NDF: 607.7/49



Right In: -58.905+/-0.385 χ^2/NDF: 3253.9/21

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

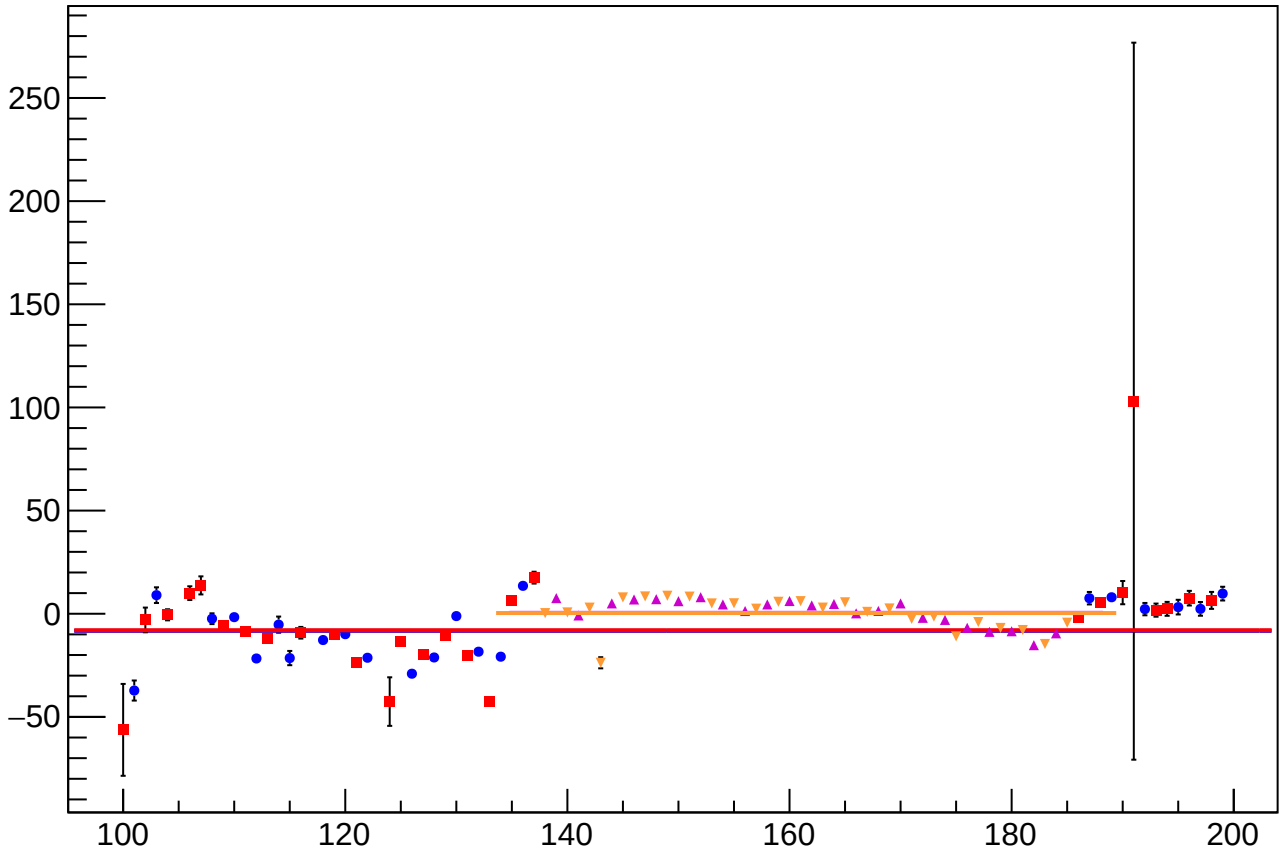
Right Out: -61.889+/-0.316 χ^2/NDF: 5307.7/26

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -28.333+/-0.218 χ^2/NDF: 17645.8/46

All: -30.920+/-0.149 χ^2/NDF: 38812.6/96

\- sign -33.198+/-0.205 χ^2/NDF: 20902.5/49



Right In: -8.267+/-0.467 χ^2/NDF: 827.9/21

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

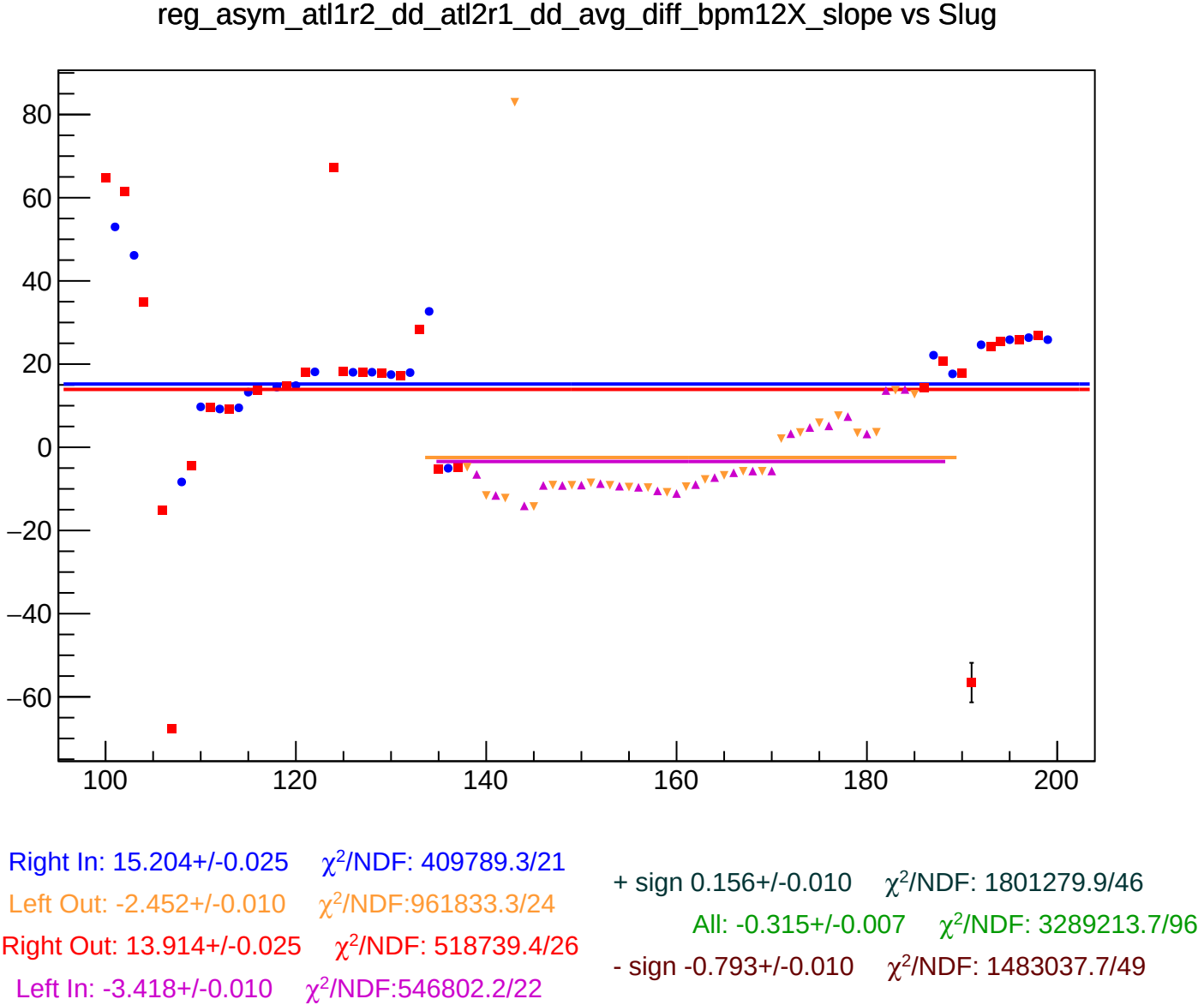
Right Out: -8.003+/-0.448 χ^2/NDF: 864.9/26

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.351+/-0.207 χ^2/NDF: 2022.7/46

All: -1.379+/-0.147 χ^2/NDF: 3946.9/96

- sign -1.408+/-0.209 χ^2/NDF: 1924.2/49



Right In: 15.204+/-0.025 χ^2/NDF: 409789.3/21

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

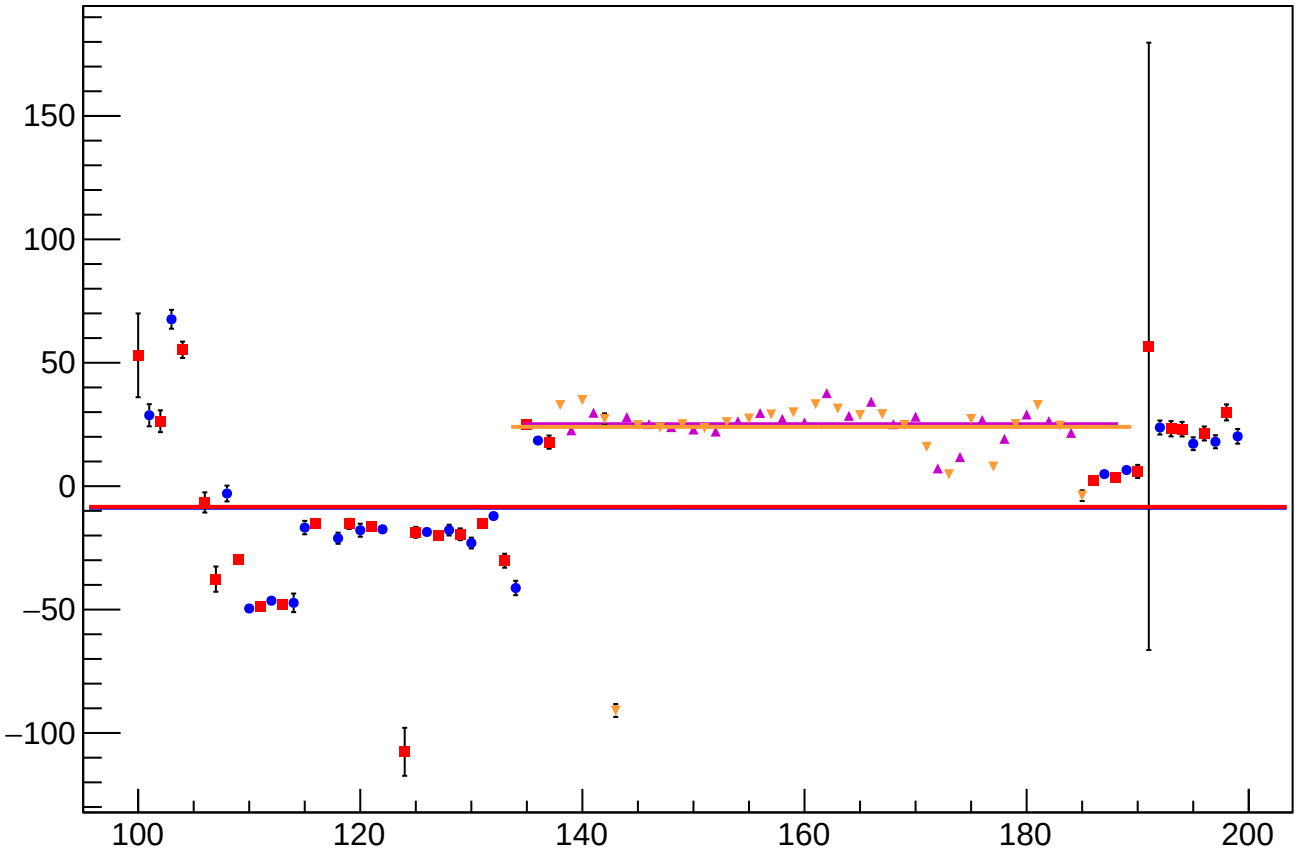
Right Out: 13.914+/-0.025 χ^2/NDF: 518739.4/26

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.156+/-0.010 χ^2/NDF: 1801279.9/46

All: -0.315+/-0.007 χ^2/NDF: 3289213.7/96

- sign -0.793+/-0.010 χ^2/NDF: 1483037.7/49



Right In: -8.744+/-0.470 χ^2/NDF: 2823.3/21

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -8.386+/-0.420 χ^2/NDF: 3140.9/26

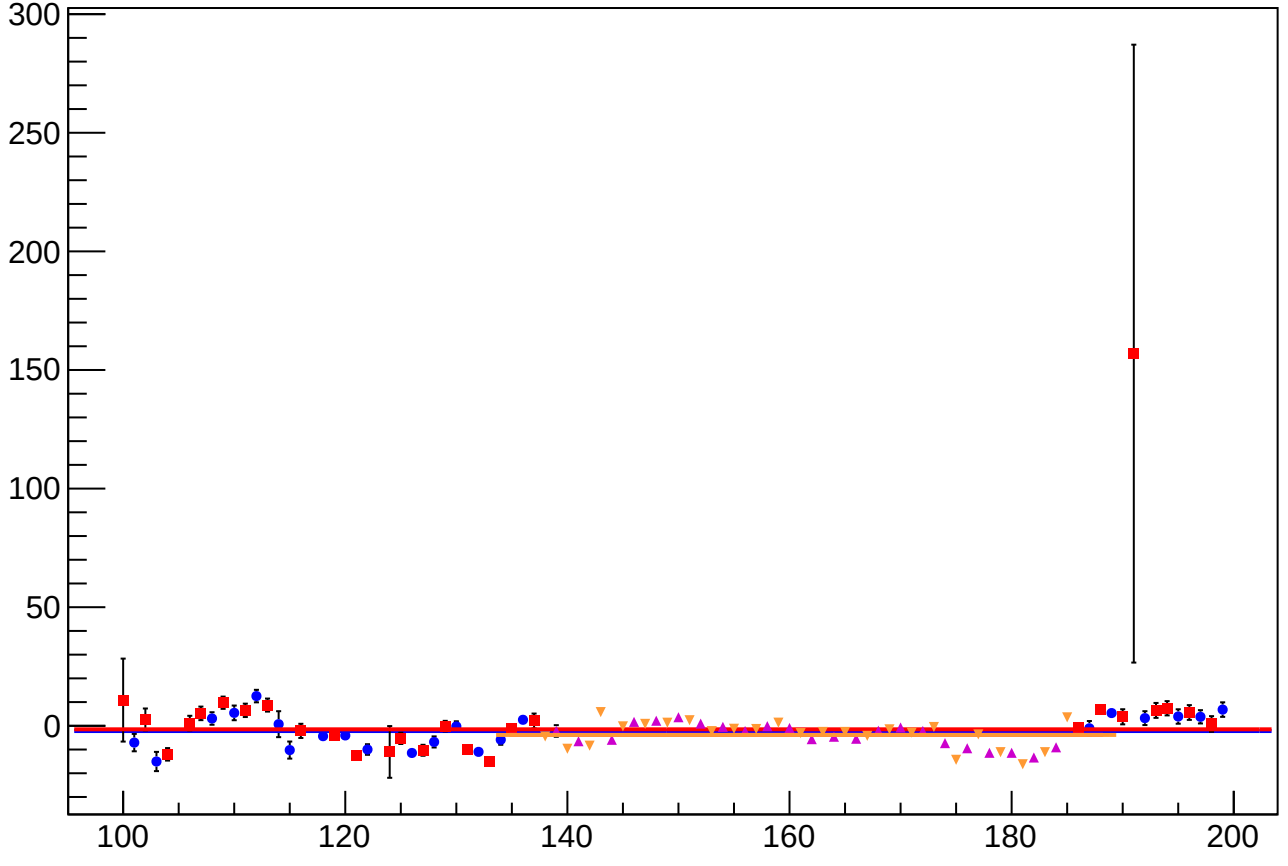
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.350+/-0.242 χ^2/NDF: 9200.0/46

All: 14.874+/-0.169 χ^2/NDF: 17174.6/96

- 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: -2.205+/-0.496 χ^2/NDF: 164.9/21

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

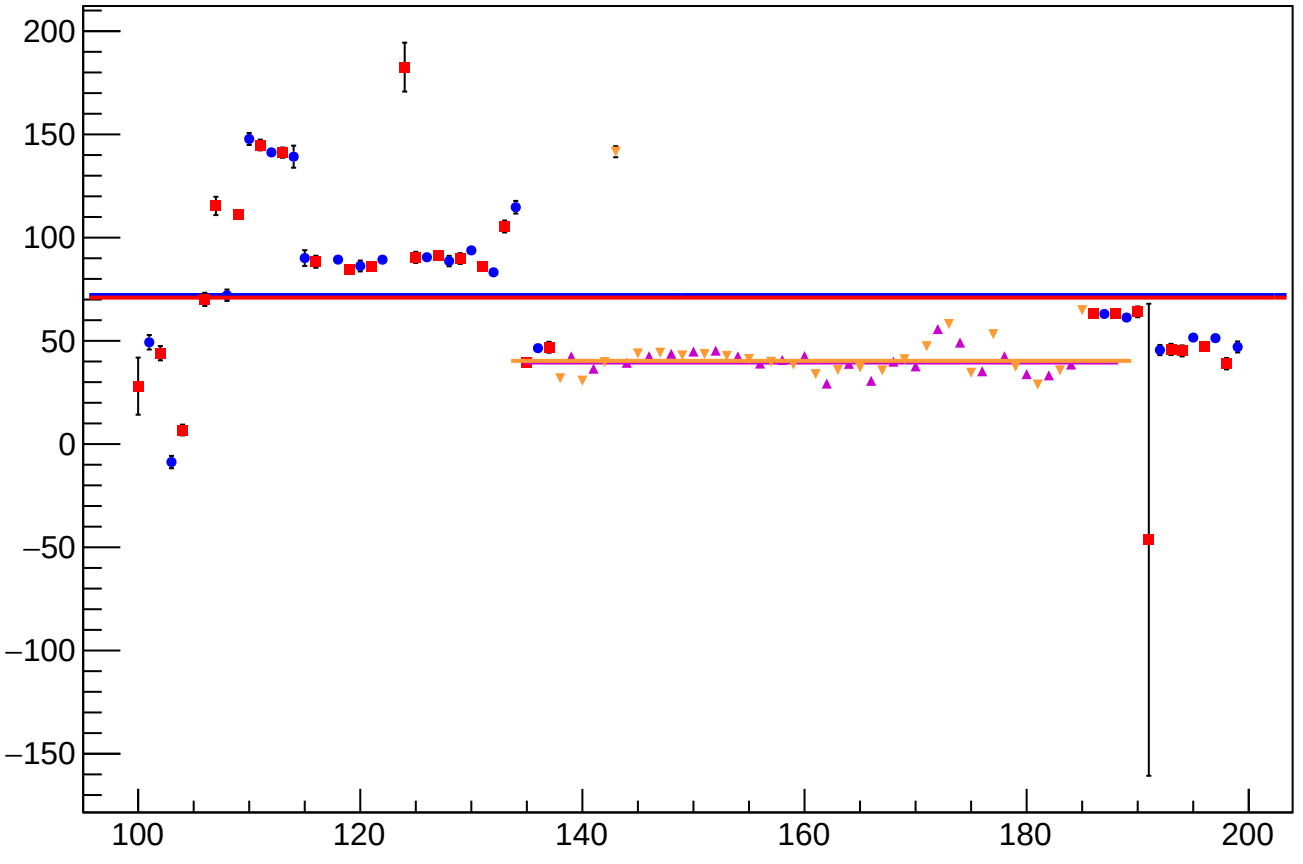
Right Out: -1.478+/-0.471 χ^2/NDF: 235.1/26

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.580+/-0.199 χ^2/NDF: 823.5/46

All: -3.469+/-0.142 χ^2/NDF: 1588.5/96

- sign -3.356+/-0.202 χ^2/NDF: 764.4/49



Right In: 72.206+/-0.487 χ^2/NDF: 3914.2/21

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

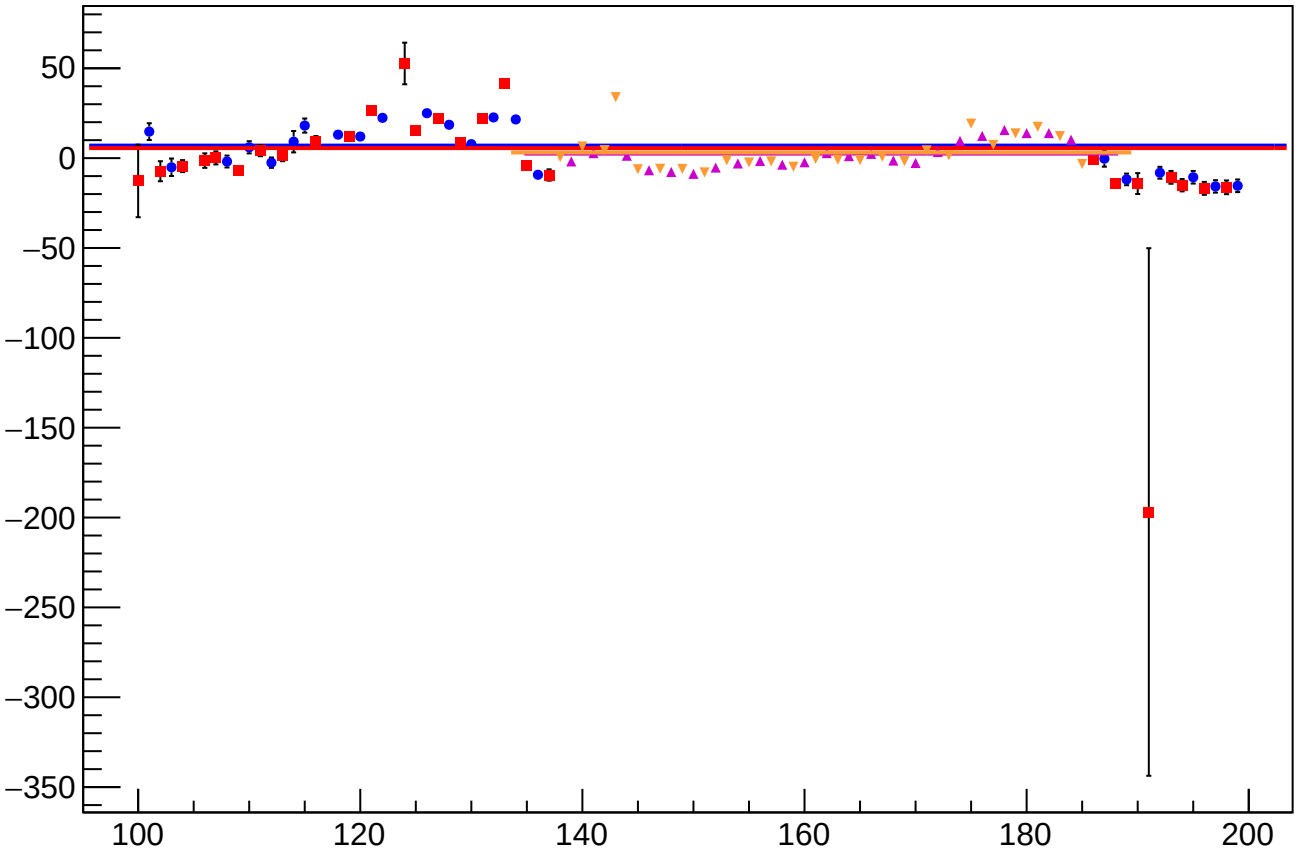
Right Out: 70.941+/-0.418 χ^2/NDF: 4218.2/26

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.253+/-0.243 χ^2/NDF: 9322.5/46

All: 48.879+/-0.169 χ^2/NDF: 17849.2/96

\- sign 49.467+/-0.235 χ^2/NDF: 8513.9/49



Right In: 6.960+/-0.574 χ^2/NDF: 555.2/21

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

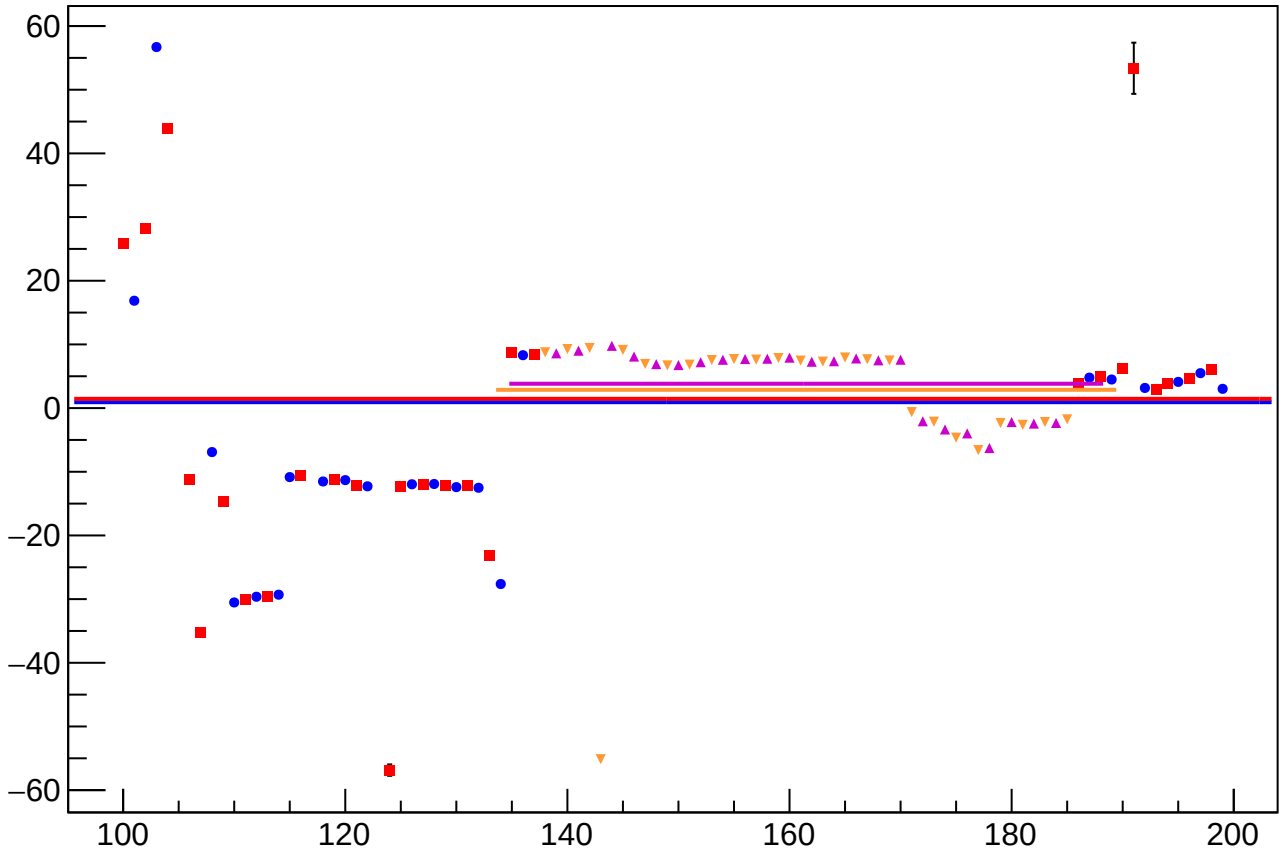
Right Out: 5.587+/-0.561 χ^2/NDF: 757.8/26

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.731+/-0.226 χ^2/NDF: 1859.6/46

All: 3.386+/-0.161 χ^2/NDF: 3615.2/96

- sign 3.030+/-0.229 χ^2/NDF: 1750.9/49



Right In: 0.927+/-0.029 χ^2/NDF: 374474.2/21

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.457+/-0.029 χ^2/NDF: 324774.5/26

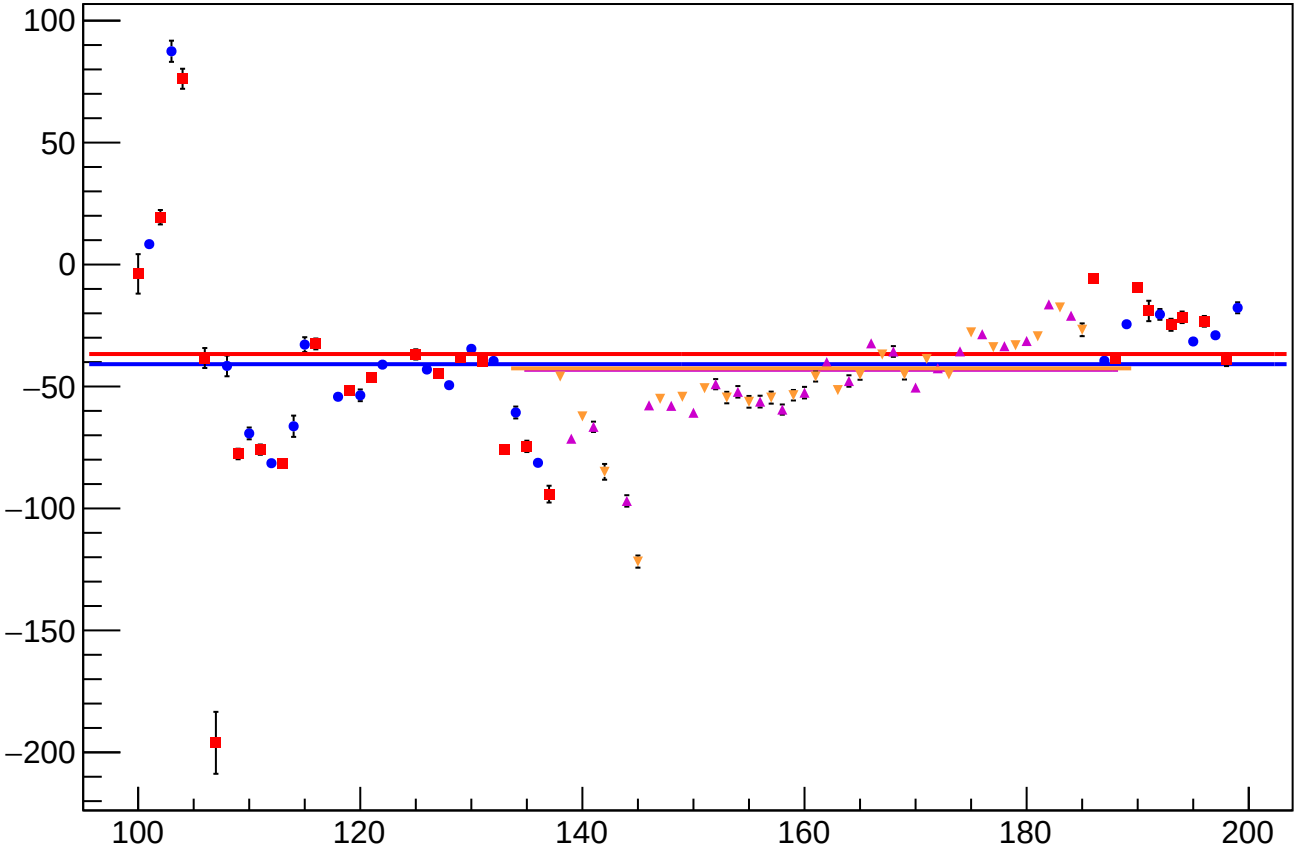
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.624+/-0.010 χ^2/NDF: 890769.1/46

All: 3.067+/-0.007 χ^2/NDF: 1458422.2/96

- sign 3.519+/-0.010 χ^2/NDF: 563888.9/49

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -40.849+/-0.429 χ^2/NDF: 3301.1/21

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -36.689+/-0.373 χ^2/NDF: 5086.2/25

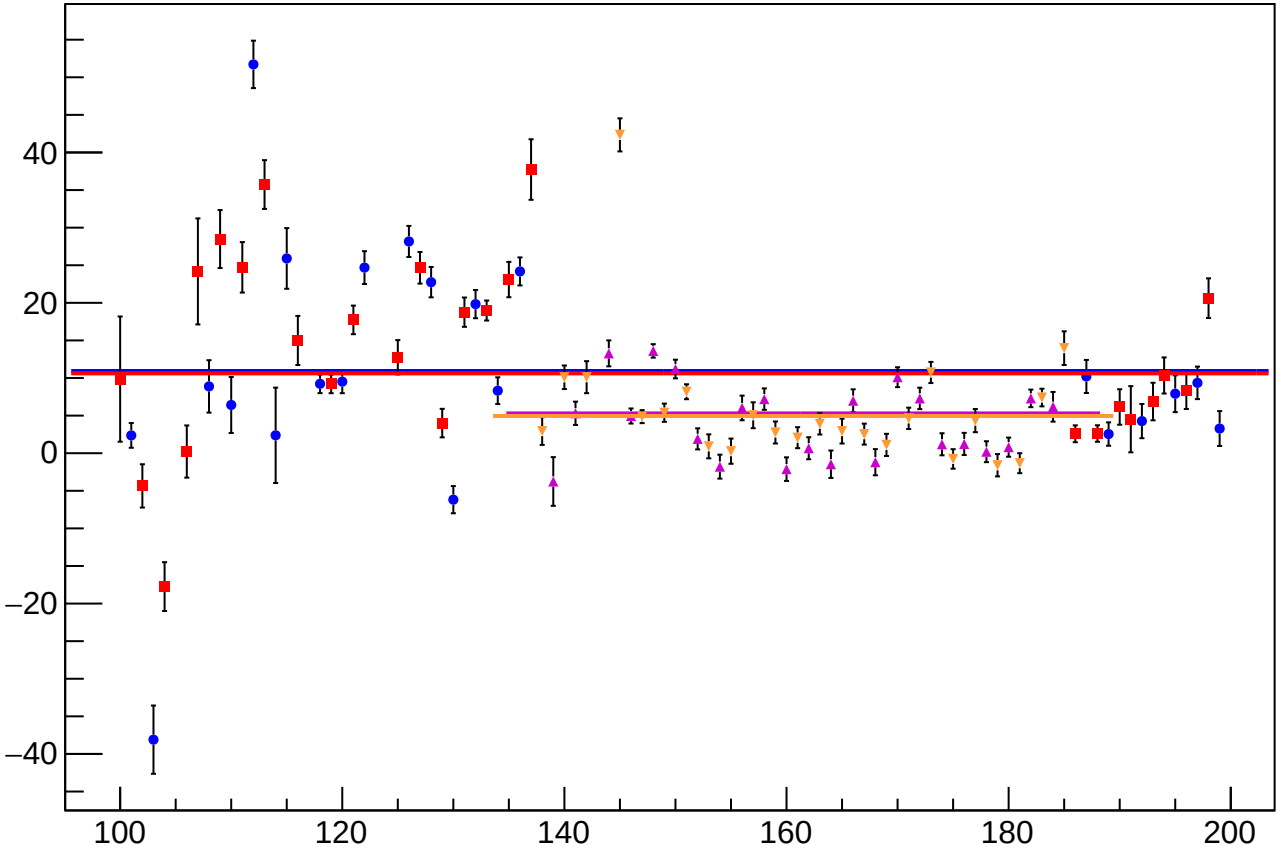
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -41.812+/-0.284 χ^2/NDF: 5636.5/45

All: -40.766+/-0.194 χ^2/NDF: 13101.8/94

\- sign -39.843+/-0.267 χ^2/NDF: 7439.7/48

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 10.933+/-0.443 χ^2/NDF: 689.9/21

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.619+/-0.412 χ^2/NDF: 547.7/25

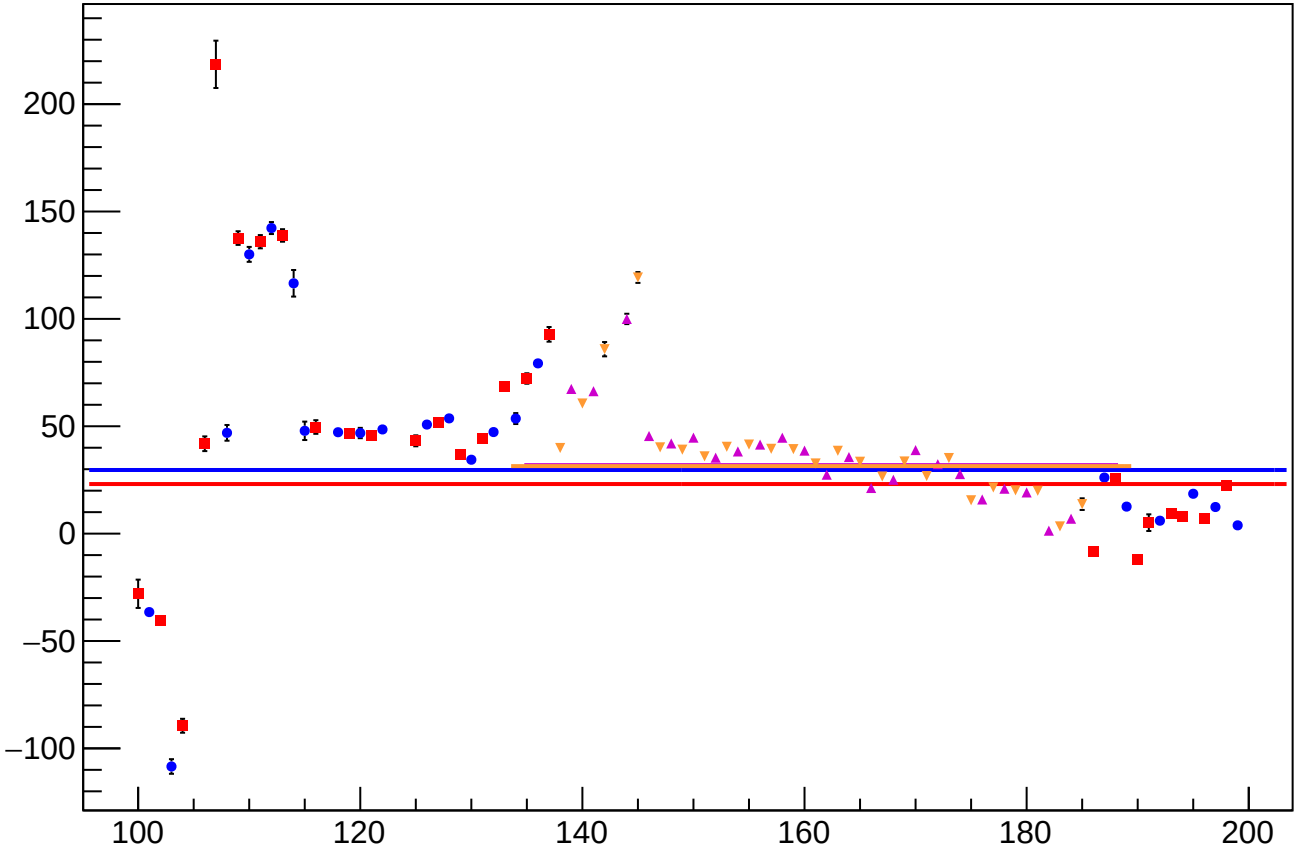
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.735+/-0.242 χ^2/NDF: 1266.9/45

All: 6.913+/-0.170 χ^2/NDF: 2212.6/94

- sign 7.089+/-0.240 χ^2/NDF: 944.6/48

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 29.633+/-0.421 χ^2/NDF: 8327.8/21

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 23.091+/-0.347 χ^2/NDF: 11098.0/25

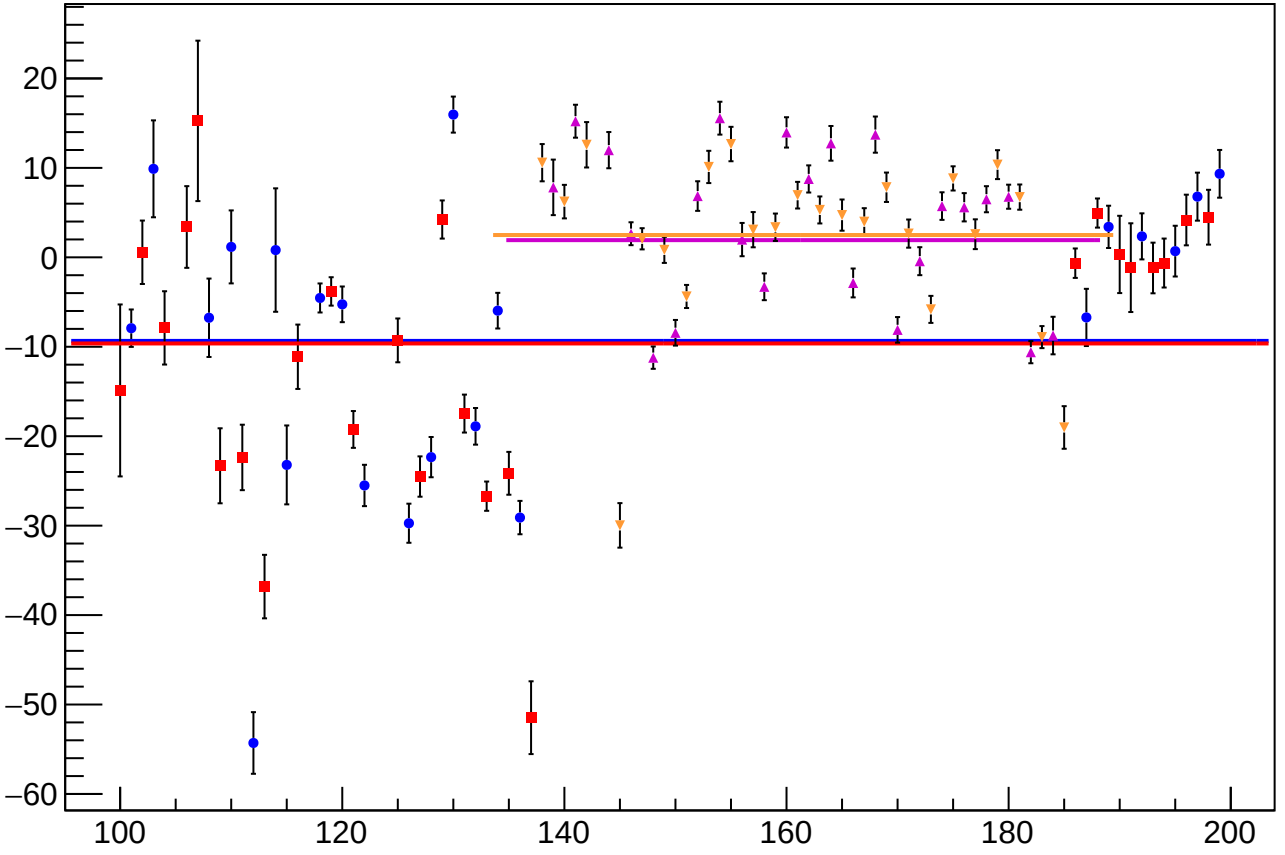
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 30.638+/-0.280 χ^2/NDF: 11100.1/45

All: 28.718+/-0.189 χ^2/NDF: 25345.5/94

\- sign 27.119+/-0.256 χ^2/NDF: 14159.4/48

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -9.345+/-0.526 χ^2/NDF: 826.9/21

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

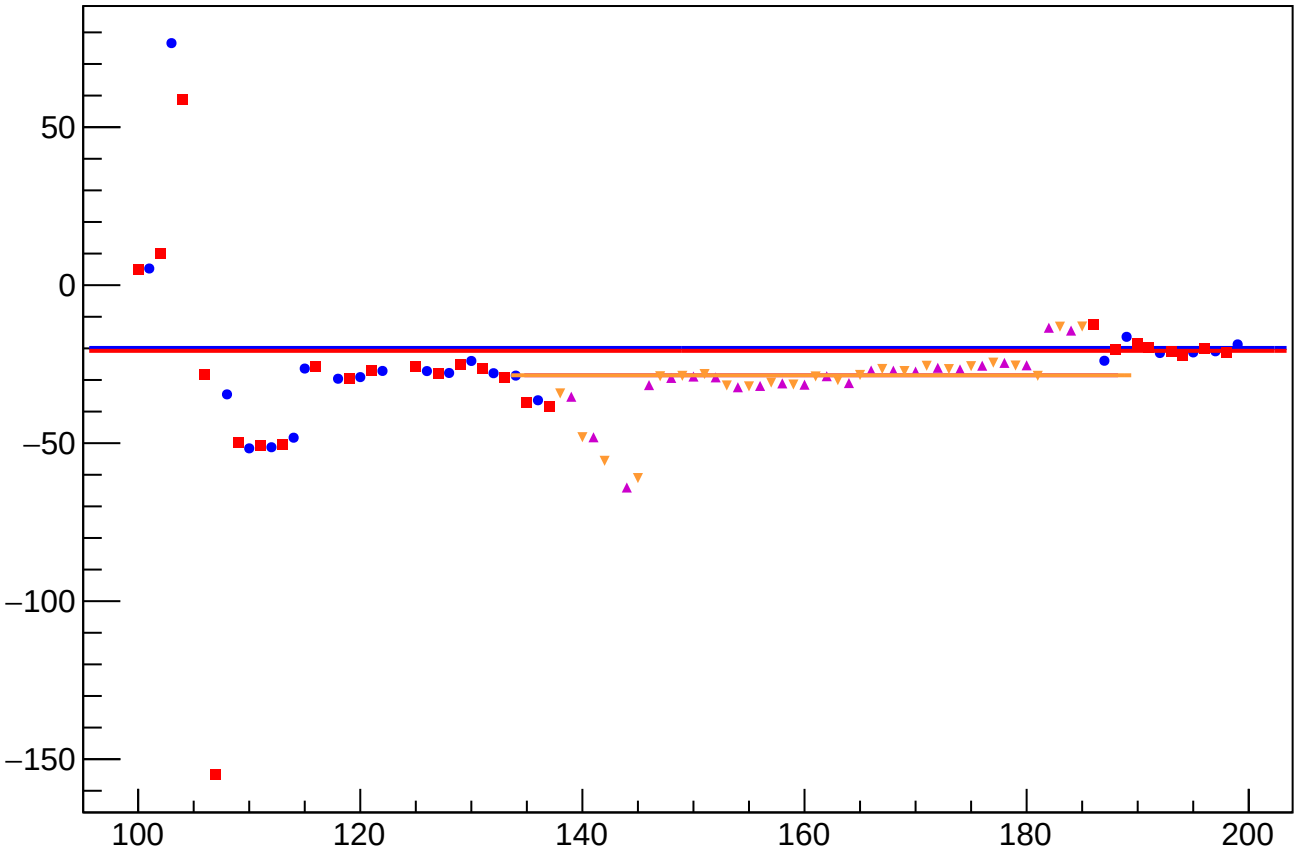
Right Out: -9.631+/-0.508 χ^2/NDF: 675.0/25

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.801+/-0.278 χ^2/NDF: 1751.0/45

All: -1.168+/-0.196 χ^2/NDF: 3470.6/94

- sign -1.536+/-0.278 χ^2/NDF: 1716.1/48



Right In: -19.868+/-0.026 χ^2/NDF: 649685.6/21

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.778+/-0.026 χ^2/NDF: 553211.1/25

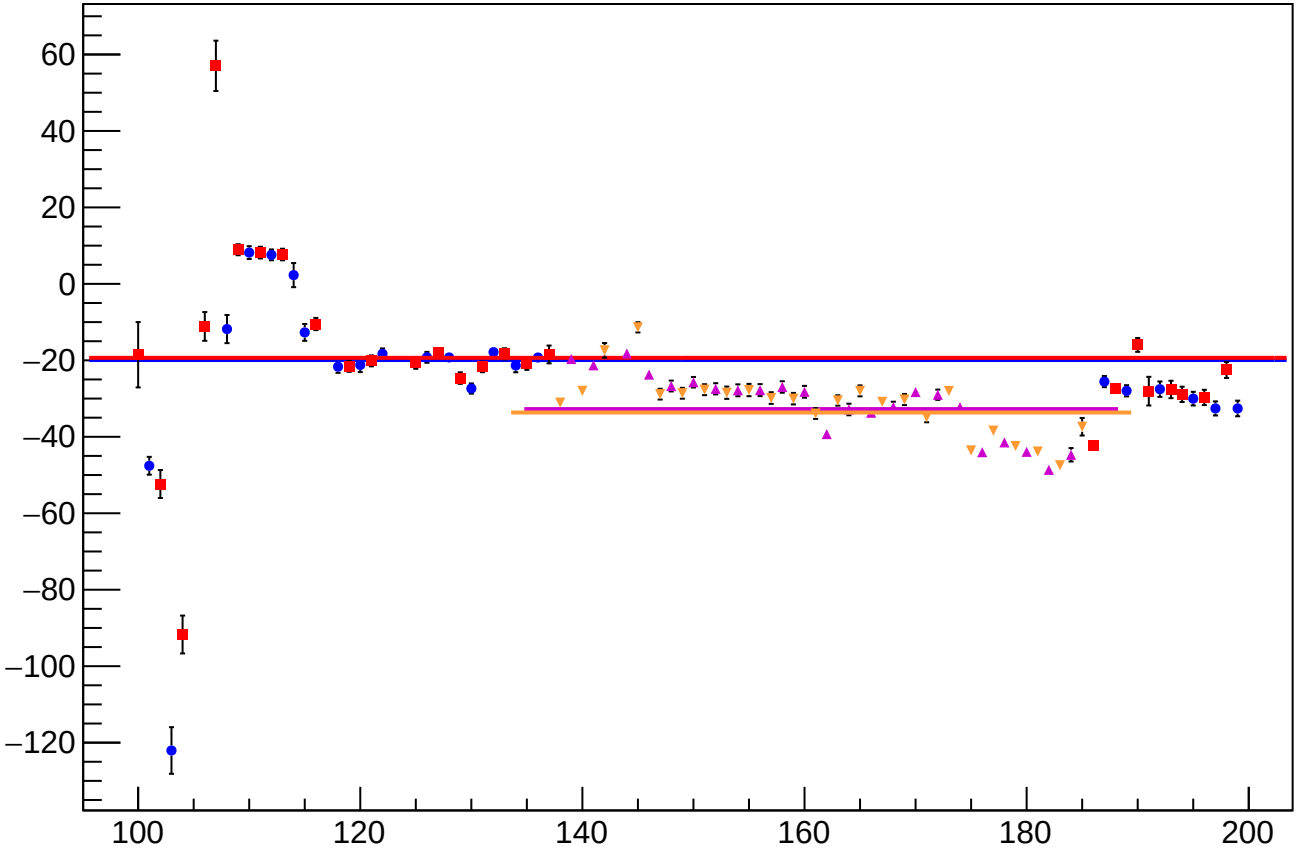
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

\+ sign -26.412+/-0.013 χ^2/NDF: 1066767.1/45

All: -26.488+/-0.009 χ^2/NDF: 1975819.8/94

\- sign -26.562+/-0.013 χ^2/NDF: 908984.3/48

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -19.915+/-0.350 χ^2/NDF: 1359.1/21

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -19.347+/-0.327 χ^2/NDF: 2010.9/25

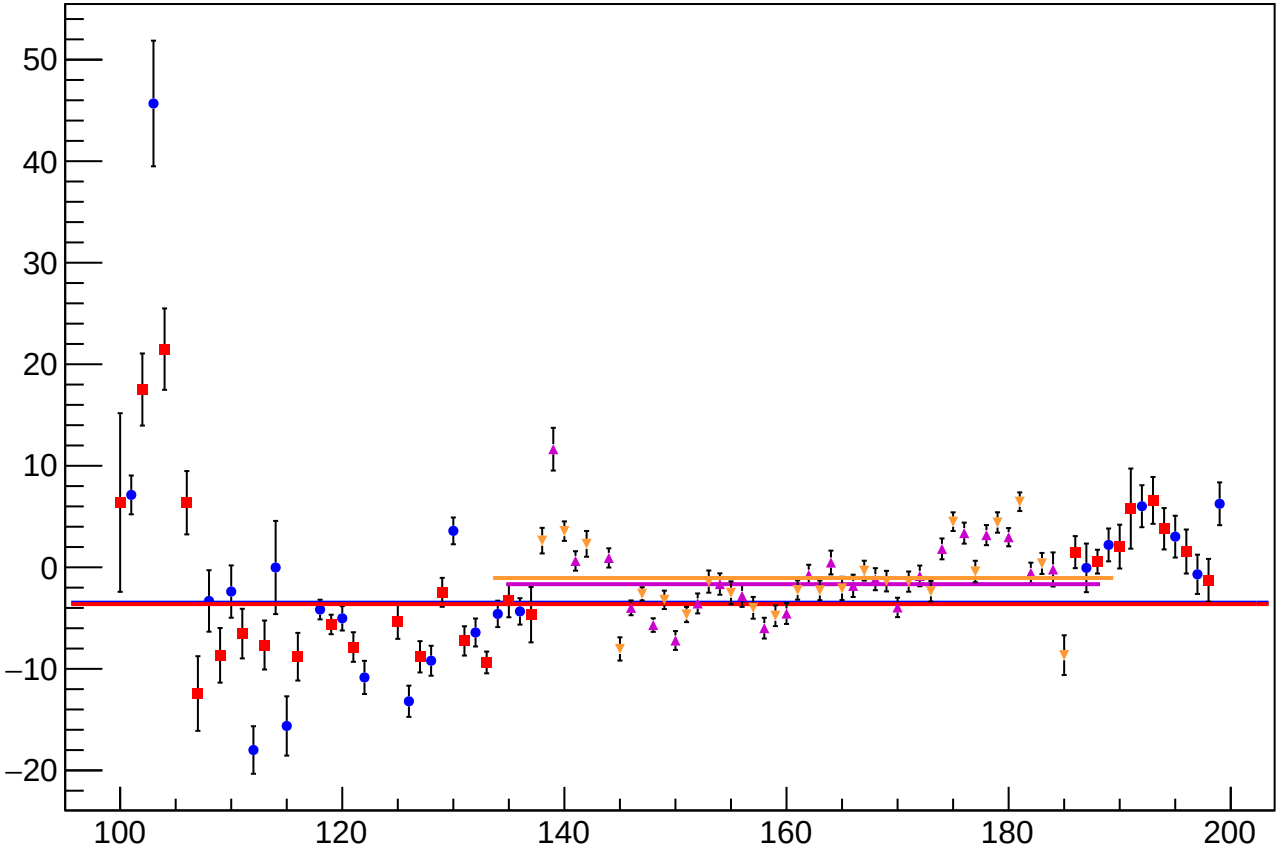
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -28.640+/-0.211 χ^2/NDF: 3352.0/45

All: -27.985+/-0.148 χ^2/NDF: 7528.2/94

\- sign -27.354+/-0.208 χ^2/NDF: 4157.3/48

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.481+/-0.360 χ^2/NDF: 331.1/21

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.623+/-0.354 χ^2/NDF: 241.4/25

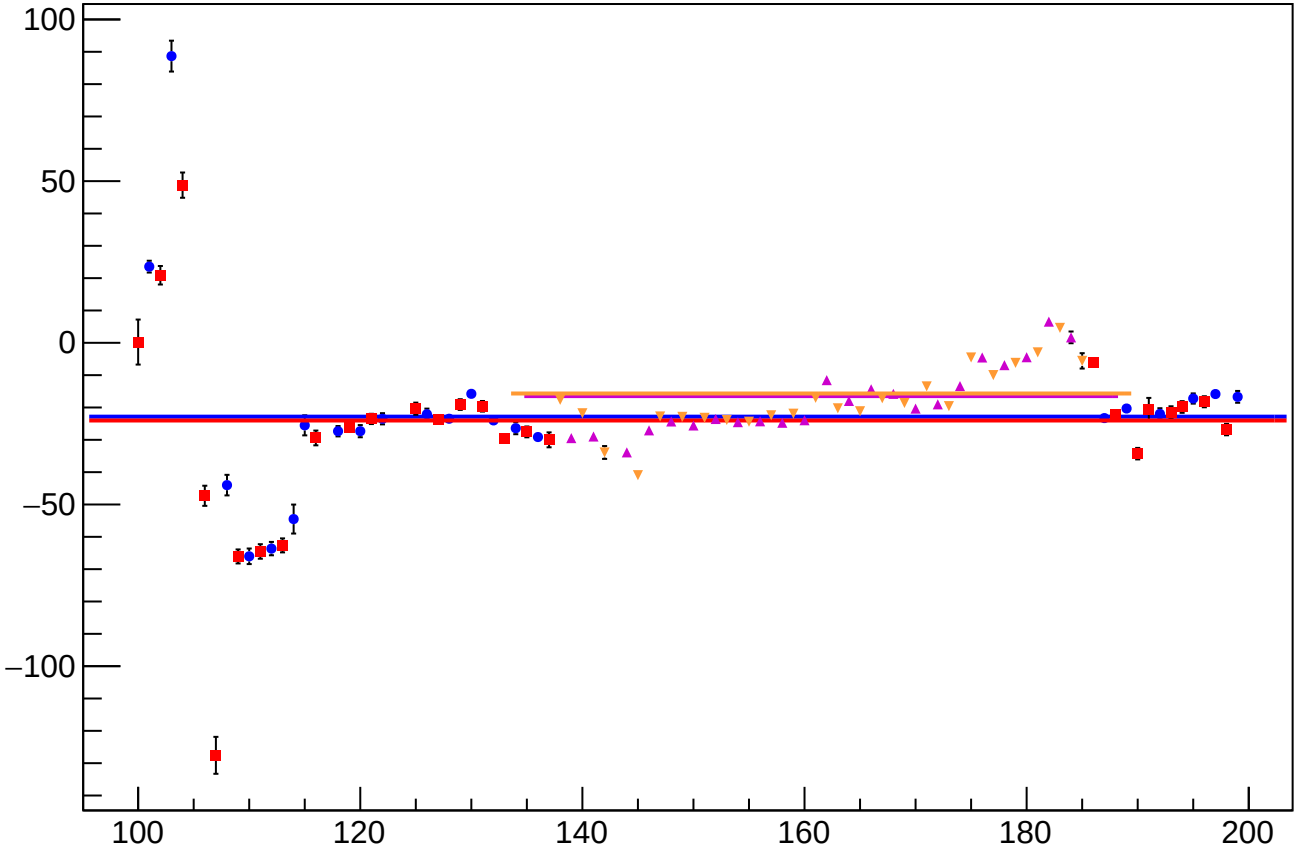
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.637+/-0.177 χ^2/NDF: 655.2/45

All: -1.894+/-0.126 χ^2/NDF: 1188.2/94

- sign -2.157+/-0.179 χ^2/NDF: 528.7/48

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -22.835+/-0.362 χ^2/NDF: 2117.5/21

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.023+/-0.329 χ^2/NDF: 2446.2/25

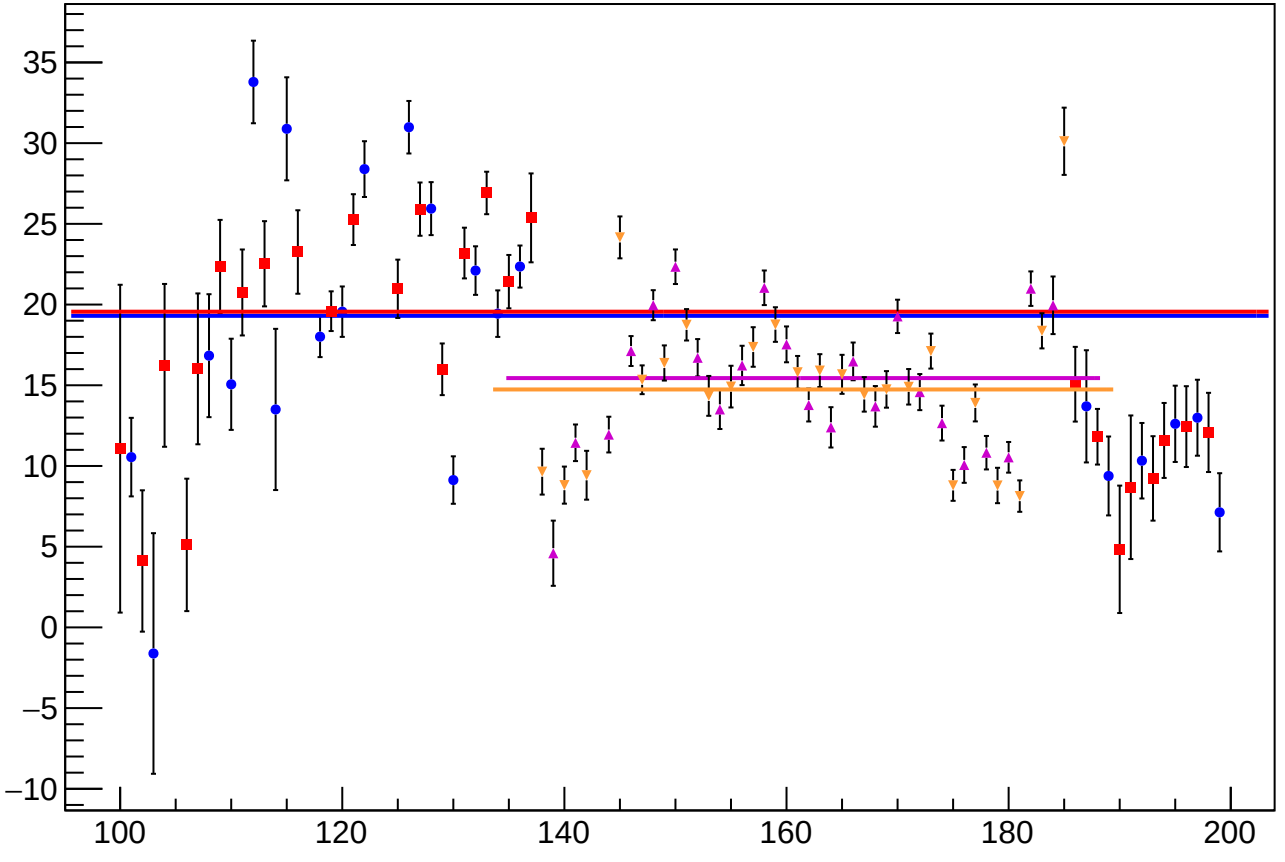
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -18.146+/-0.213 χ^2/NDF: 3894.1/45

All: -18.823+/-0.148 χ^2/NDF: 8375.8/94

- sign -19.462+/-0.207 χ^2/NDF: 4462.0/48

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.302+/-0.418 χ^2/NDF: 297.9/21

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 19.559+/-0.420 χ^2/NDF: 195.5/25

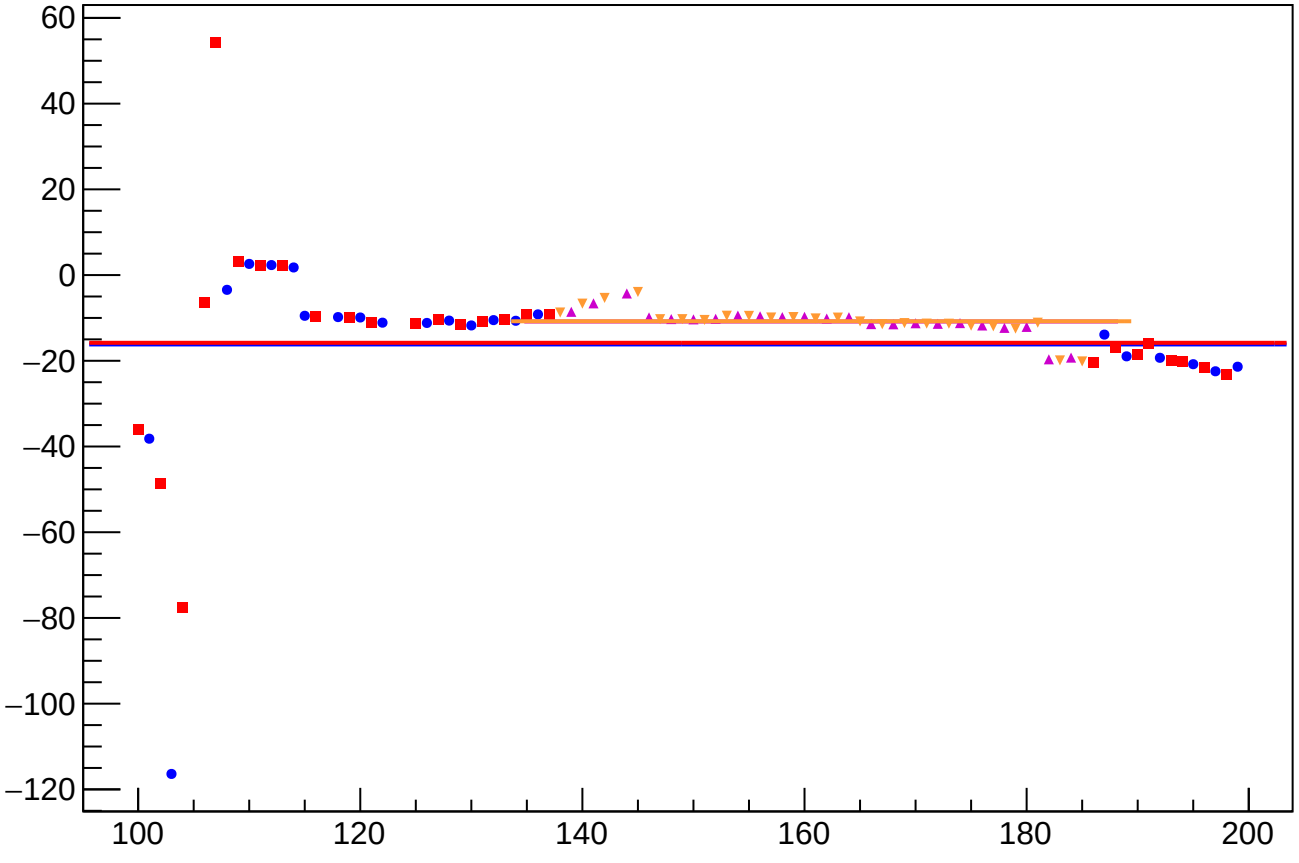
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.797+/-0.201 χ^2/NDF: 720.5/45

All: 16.100+/-0.143 χ^2/NDF: 1284.3/94

- sign 16.412+/-0.204 χ^2/NDF: 559.2/48

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -16.187+/-0.022 χ^2/NDF: 376016.8/21

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -15.804+/-0.022 χ^2/NDF: 356345.2/25

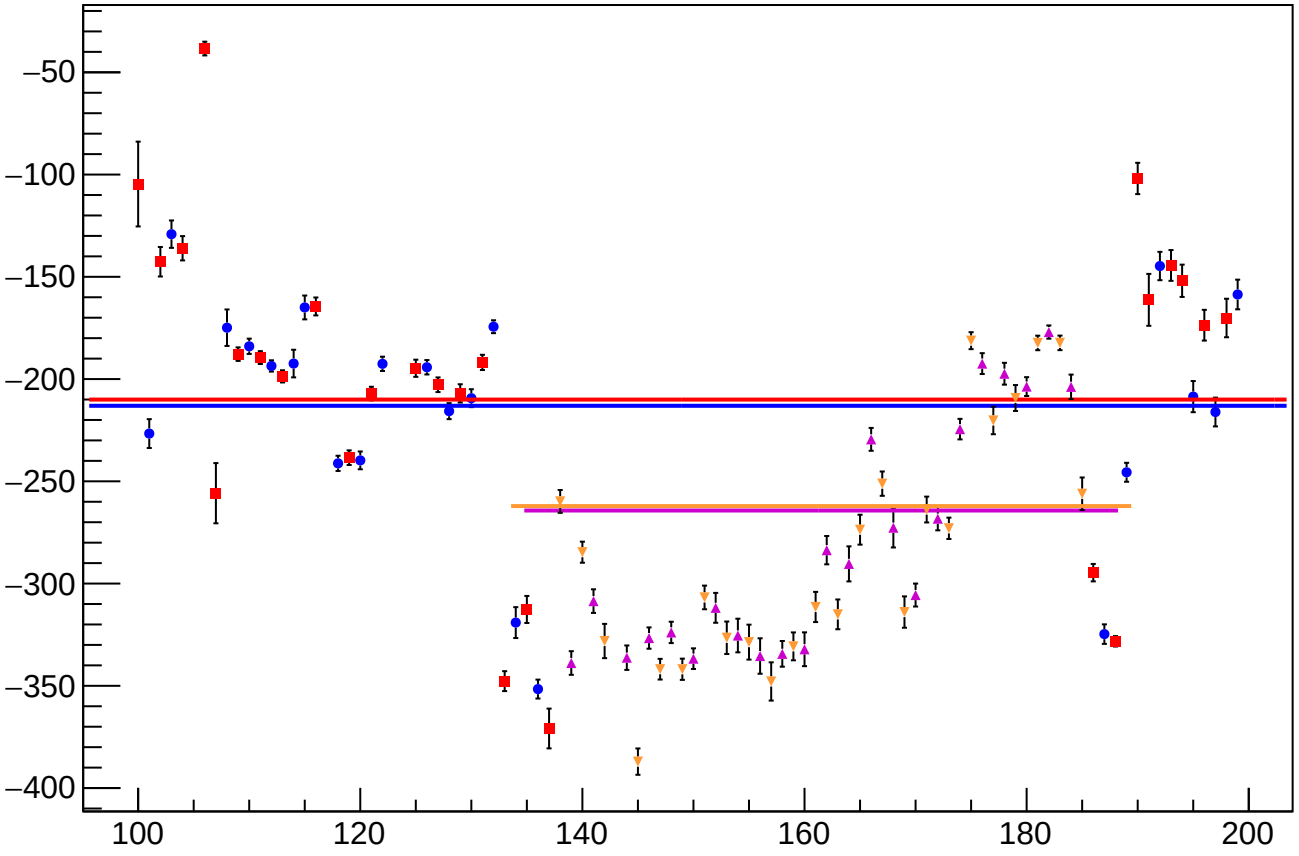
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.772+/-0.009 χ^2/NDF: 511605.8/45

All: -11.754+/-0.007 χ^2/NDF: 984219.2/94

- sign -11.736+/-0.009 χ^2/NDF: 472606.0/48

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -213.067+/-0.977 χ^2/NDF: 2519.0/21

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -210.024+/-0.878 χ^2/NDF: 7433.1/25

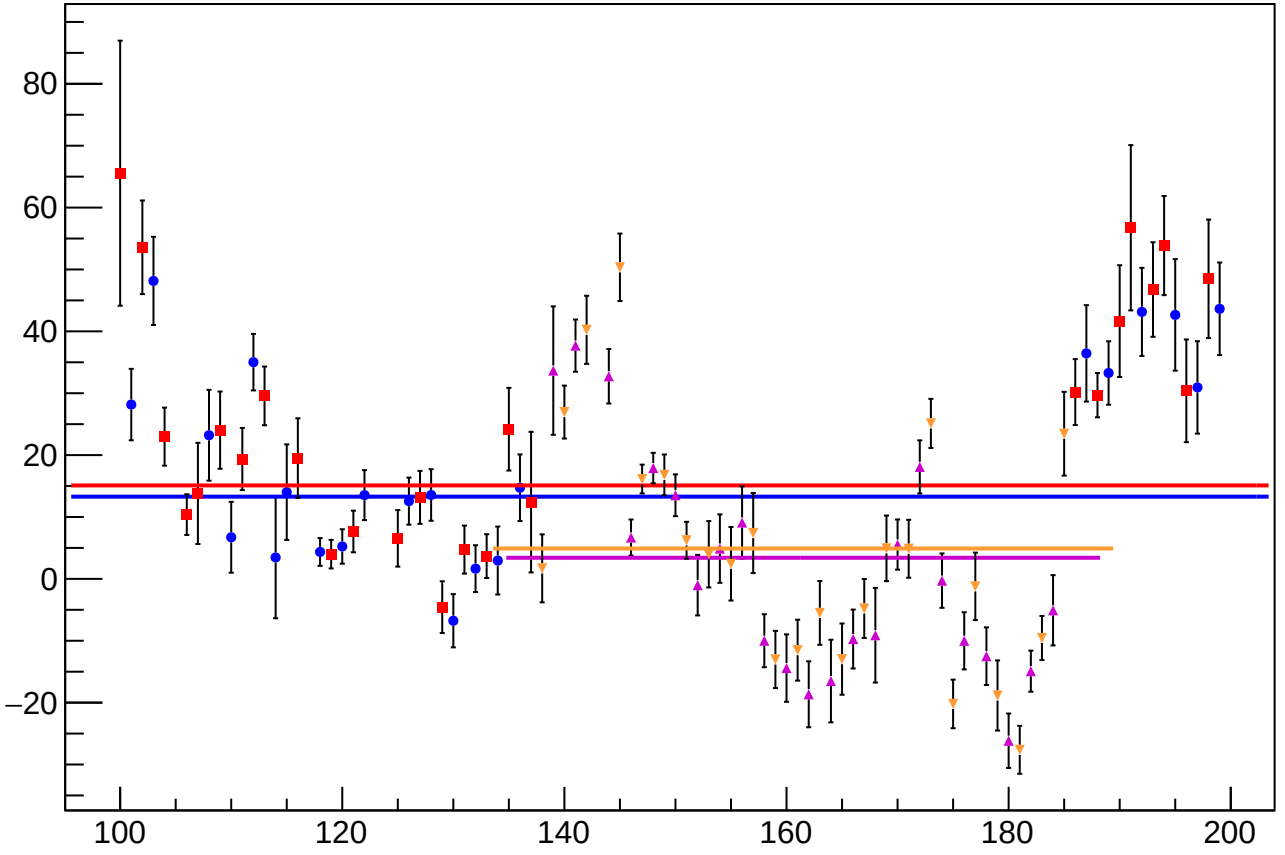
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -233.035+/-0.753 χ^2/NDF: 6508.8/45

All: -231.018+/-0.515 χ^2/NDF: 18049.1/94

- sign -229.244+/-0.706 χ^2/NDF: 11526.8/48

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.287+/-0.998 χ^2/NDF: 190.7/21

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 15.100+/-0.950 χ^2/NDF: 221.2/25

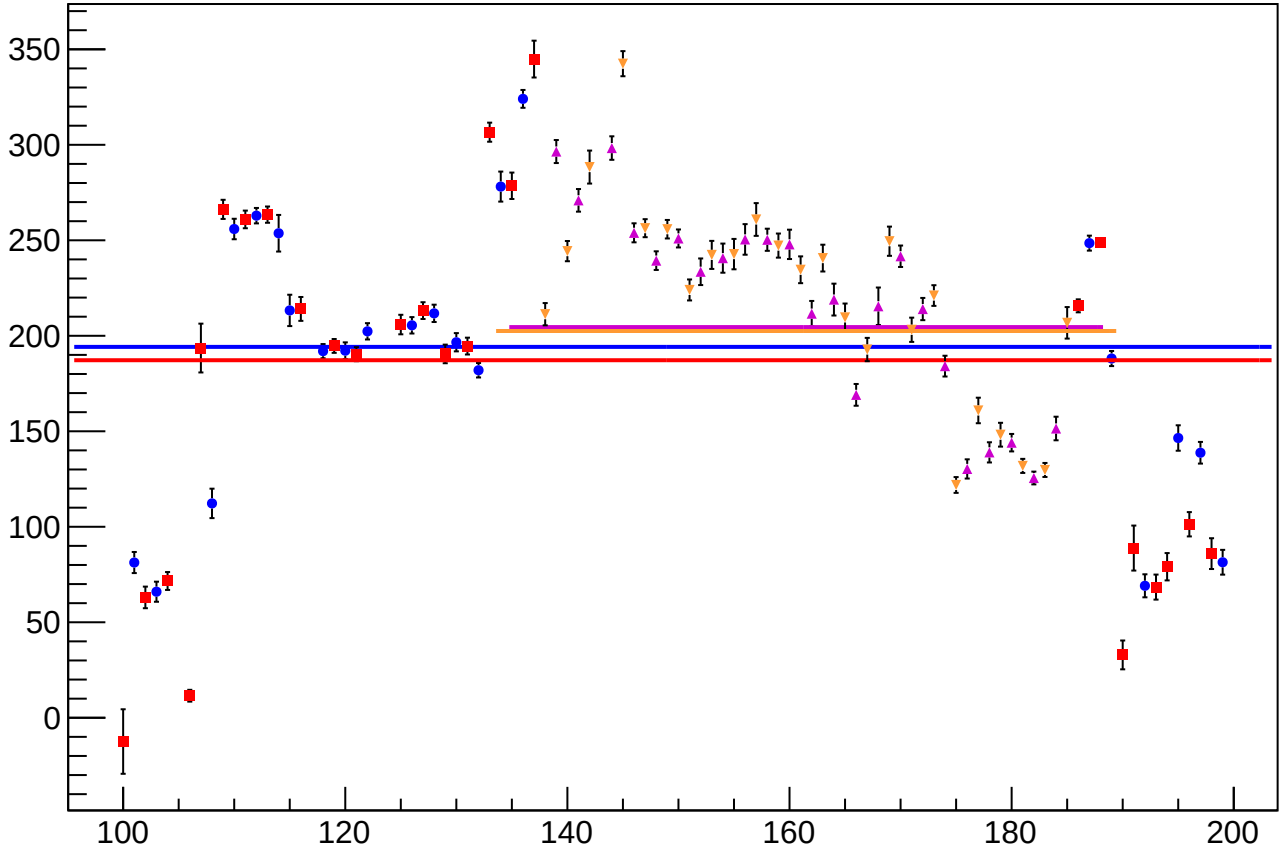
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 8.601+/-0.663 χ^2/NDF: 629.0/45

All: 8.774+/-0.465 χ^2/NDF: 1263.4/94

- sign 8.942+/-0.654 χ^2/NDF: 634.3/48

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 194.191+/-1.054 χ^2/NDF: 3588.2/21

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 187.205+/-0.915 χ^2/NDF: 8723.8/25

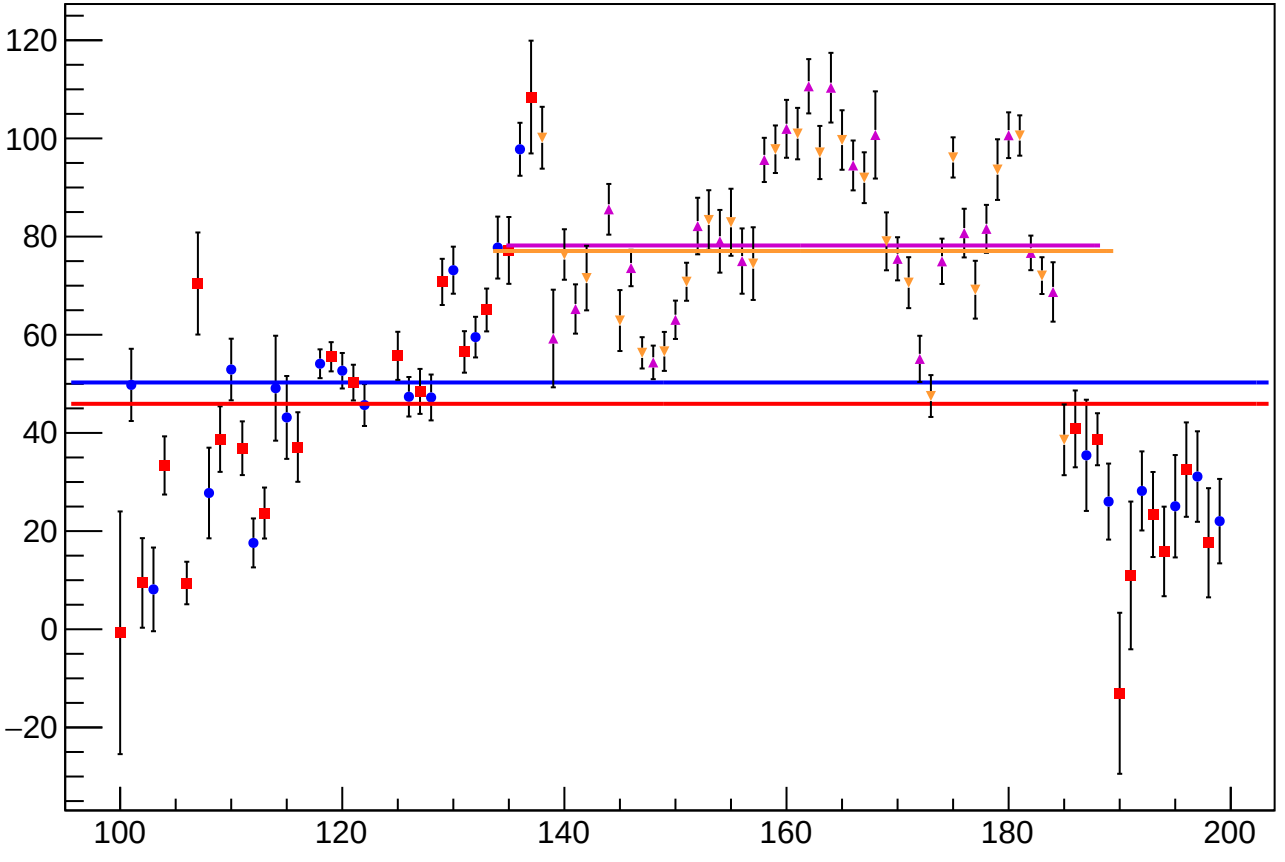
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 197.910+/-0.784 χ^2/NDF: 6009.5/45

All: 195.656+/-0.531 χ^2/NDF: 17169.7/94

- sign 193.743+/-0.722 χ^2/NDF: 11145.0/48

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 50.278+/-1.176 χ^2/NDF: 242.8/21

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 45.931+/-1.130 χ^2/NDF: 291.2/25

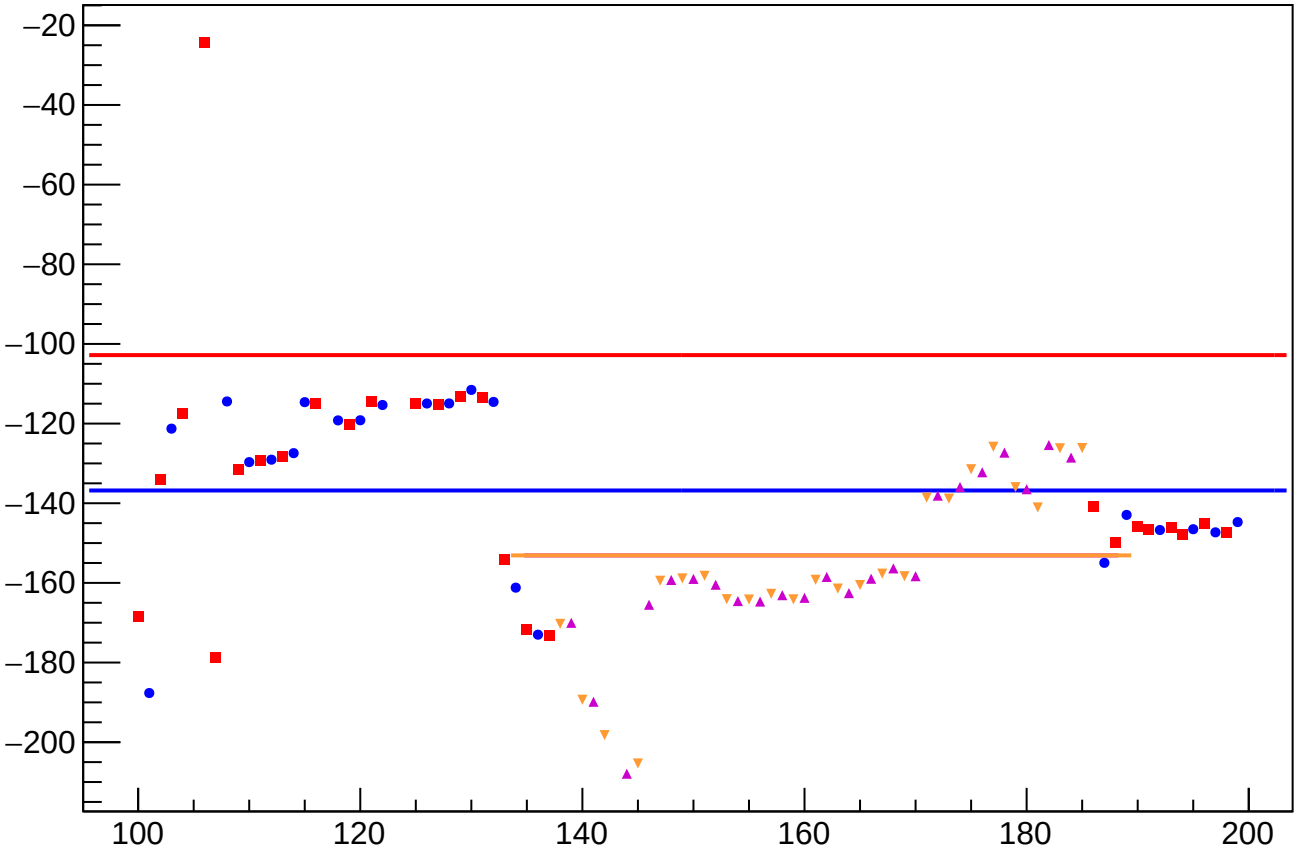
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 65.624+/-0.768 χ^2/NDF: 851.3/45

All: 64.613+/-0.540 χ^2/NDF: 1825.0/94

- sign 63.625+/-0.760 χ^2/NDF: 970.4/48

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -136.797+/-0.068 χ^2/NDF: 101706.9/21

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -102.807+/-0.056 χ^2/NDF: 922576.9/25

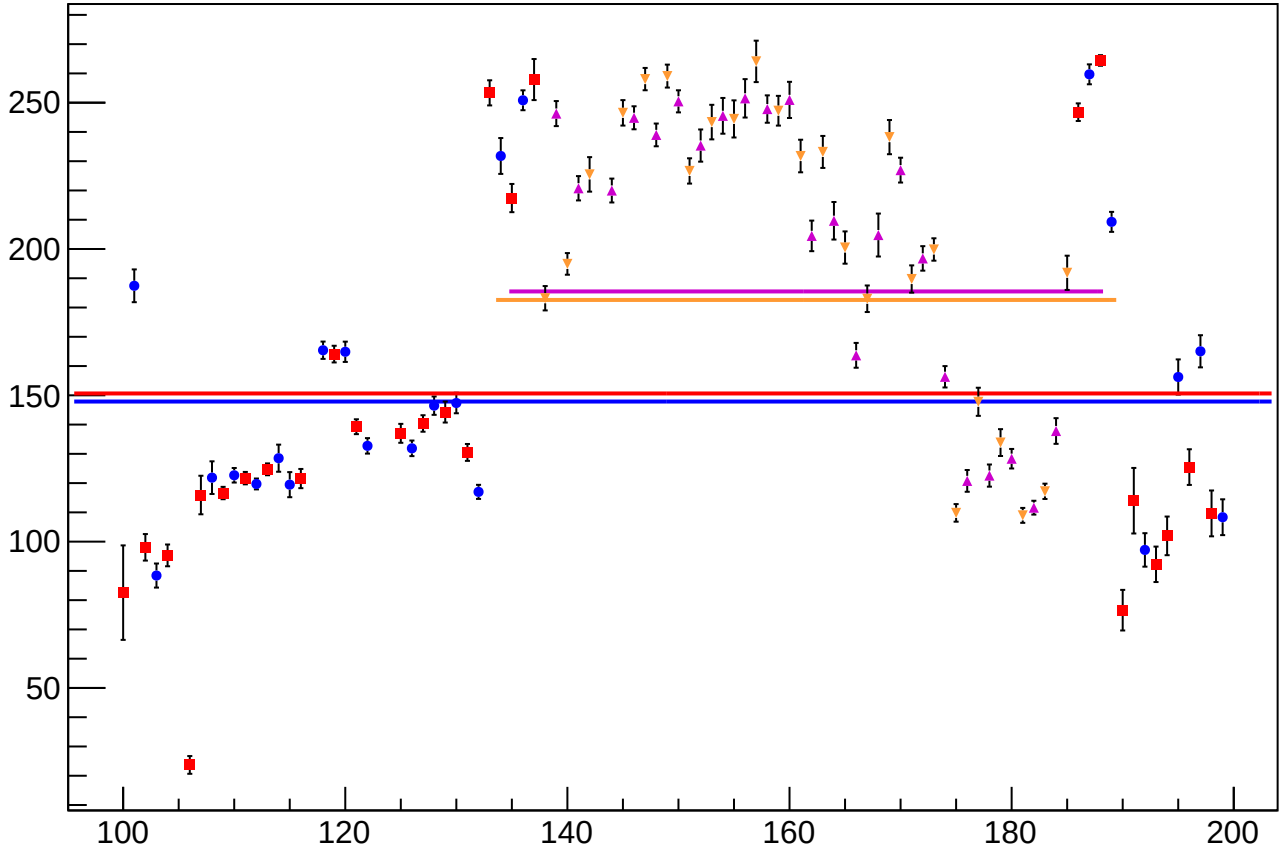
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.849+/-0.039 χ^2/NDF: 318050.9/45

All: -139.607+/-0.026 χ^2/NDF: 1968020.6/94

- sign -132.516+/-0.036 χ^2/NDF: 1565334.4/48

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 147.873+/-0.723 χ^2/NDF: 3603.7/21

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.634+/-0.646 χ^2/NDF: 9256.2/25

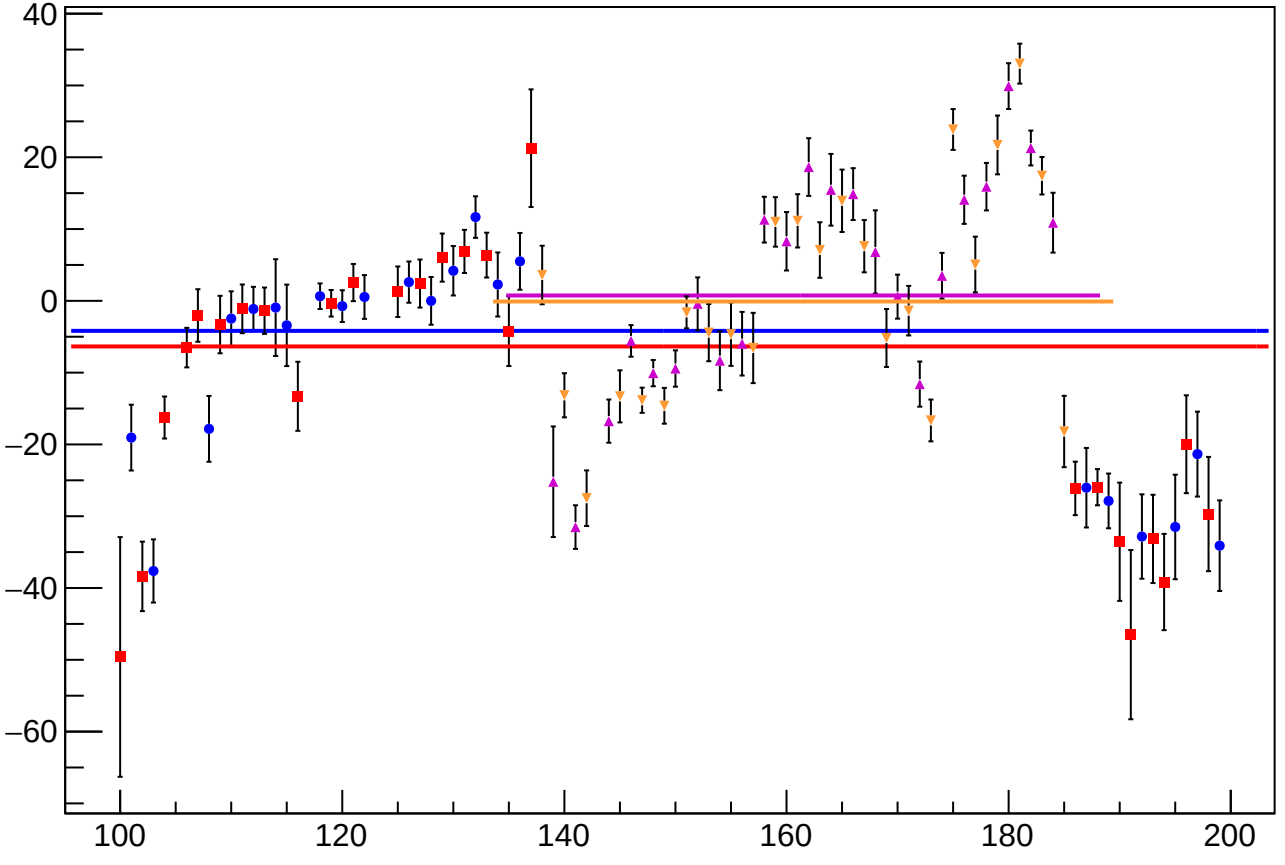
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 162.128+/-0.555 χ^2/NDF: 8703.5/45

All: 162.588+/-0.379 χ^2/NDF: 22814.1/94

- sign 162.991+/-0.519 χ^2/NDF: 14109.3/48

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.181+/-0.760 χ^2/NDF: 264.8/21

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.353+/-0.713 χ^2/NDF: 332.7/25

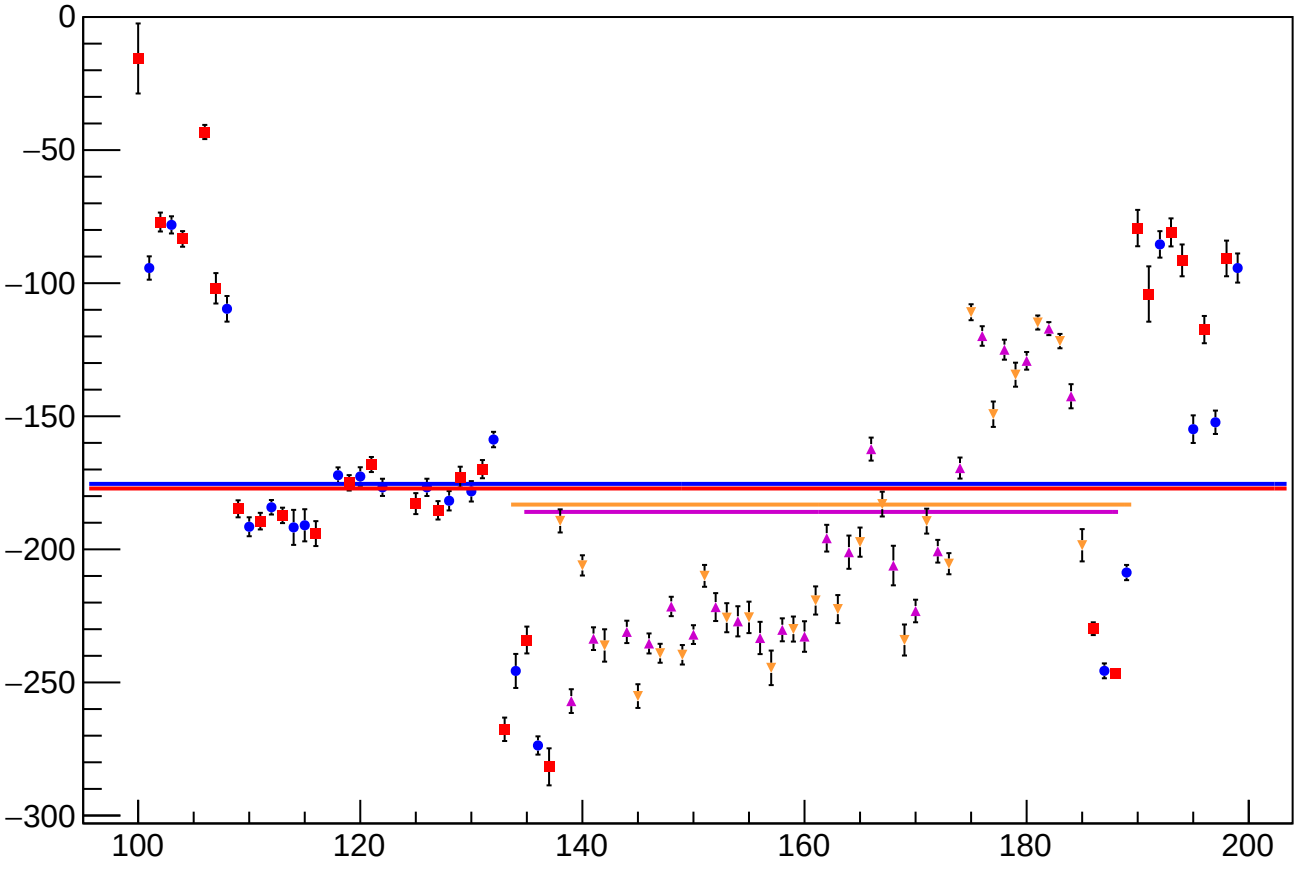
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -1.835+/-0.496 χ^2/NDF: 836.7/45

All: -2.203+/-0.347 χ^2/NDF: 1721.3/94

- sign -2.557+/-0.486 χ^2/NDF: 883.5/48

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -175.402+/-0.784 χ^2/NDF: 3817.3/21

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -177.136+/-0.675 χ^2/NDF: 9360.1/25

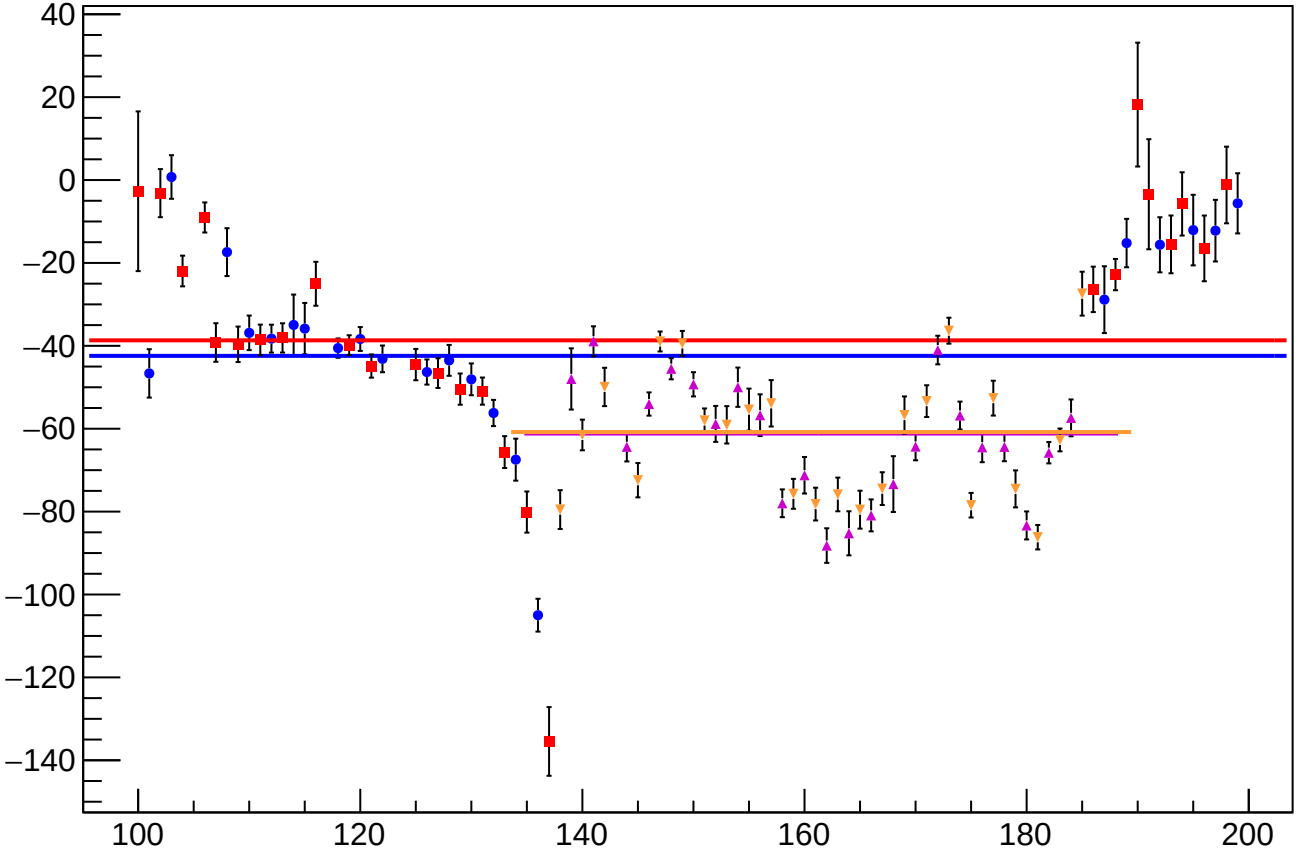
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -178.917+/-0.580 χ^2/NDF: 7223.0/45

All: -179.753+/-0.392 χ^2/NDF: 19832.6/94

- sign -180.457+/-0.533 χ^2/NDF: 12605.8/48

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -42.422+/-0.892 χ^2/NDF: 487.3/21

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -38.681+/-0.849 χ^2/NDF: 524.4/25

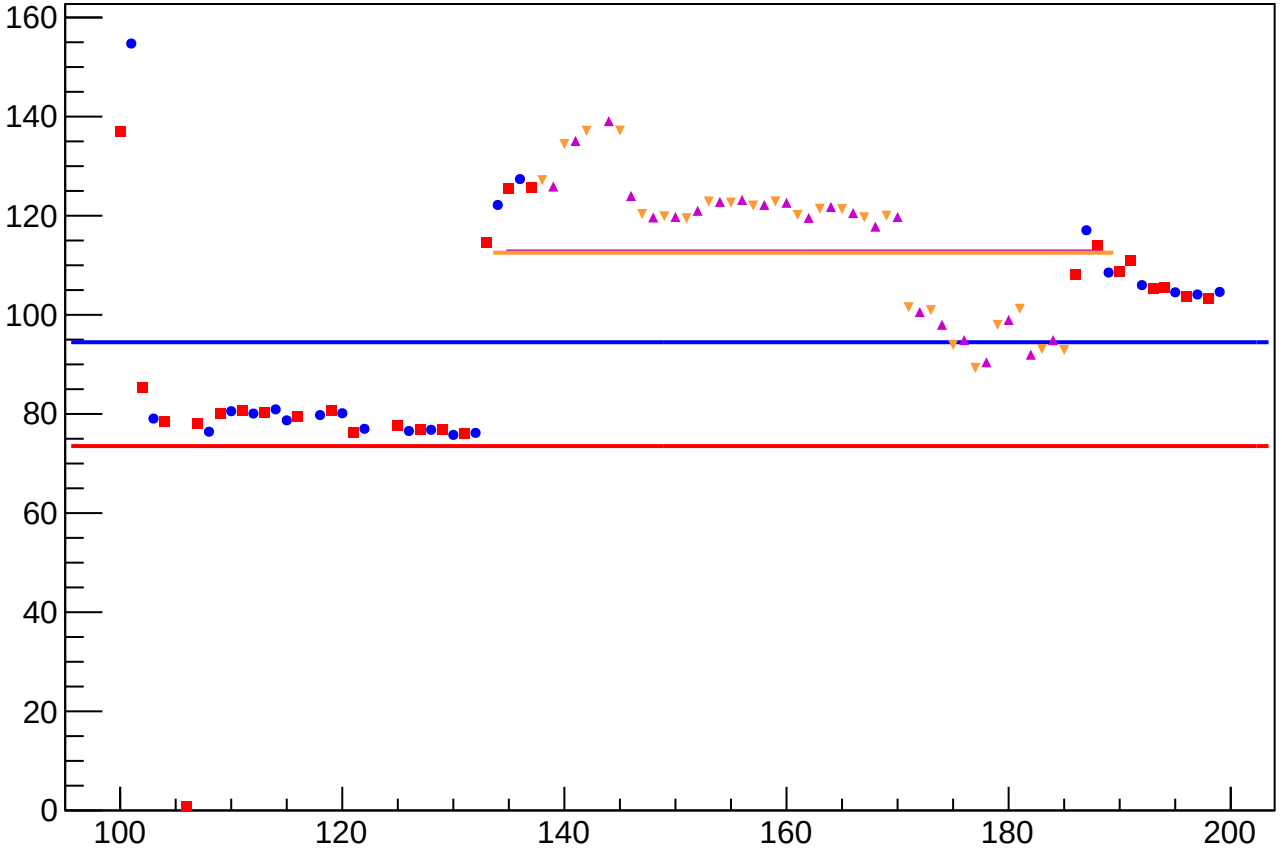
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -53.206+/-0.574 χ^2/NDF: 1210.2/45

All: -52.192+/-0.402 χ^2/NDF: 2448.8/94

- sign -51.209+/-0.565 χ^2/NDF: 1232.5/48

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 94.476+/-0.051 χ^2/NDF: 178827.0/21

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 73.522+/-0.044 χ^2/NDF: 831937.6/25

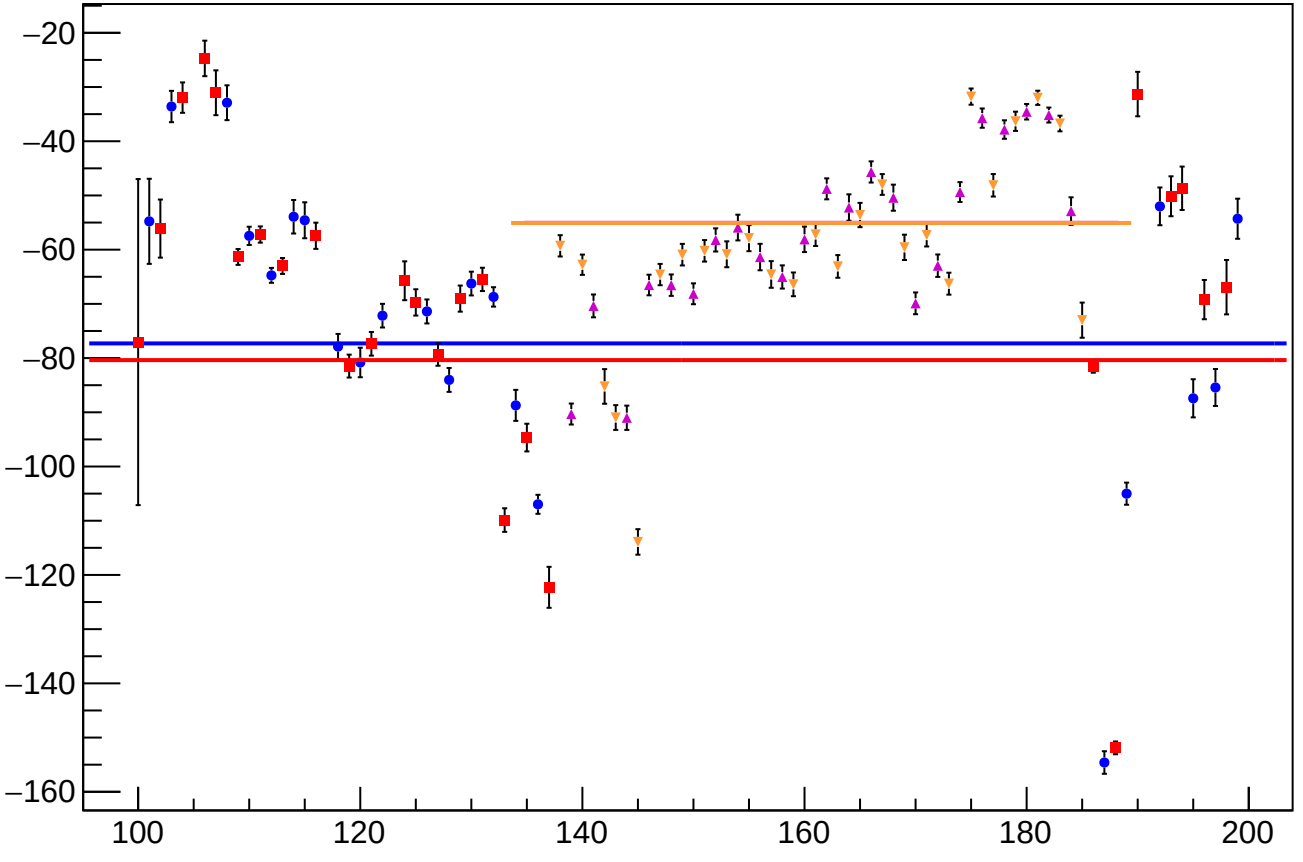
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.826+/-0.029 χ^2/NDF: 439621.1/45

All: 102.010+/-0.020 χ^2/NDF: 1996646.3/94

- sign 97.709+/-0.027 χ^2/NDF: 1503320.2/48

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -77.292+/-0.500 χ^2/NDF: 2797.4/21

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.370+/-0.432 χ^2/NDF: 5801.6/25

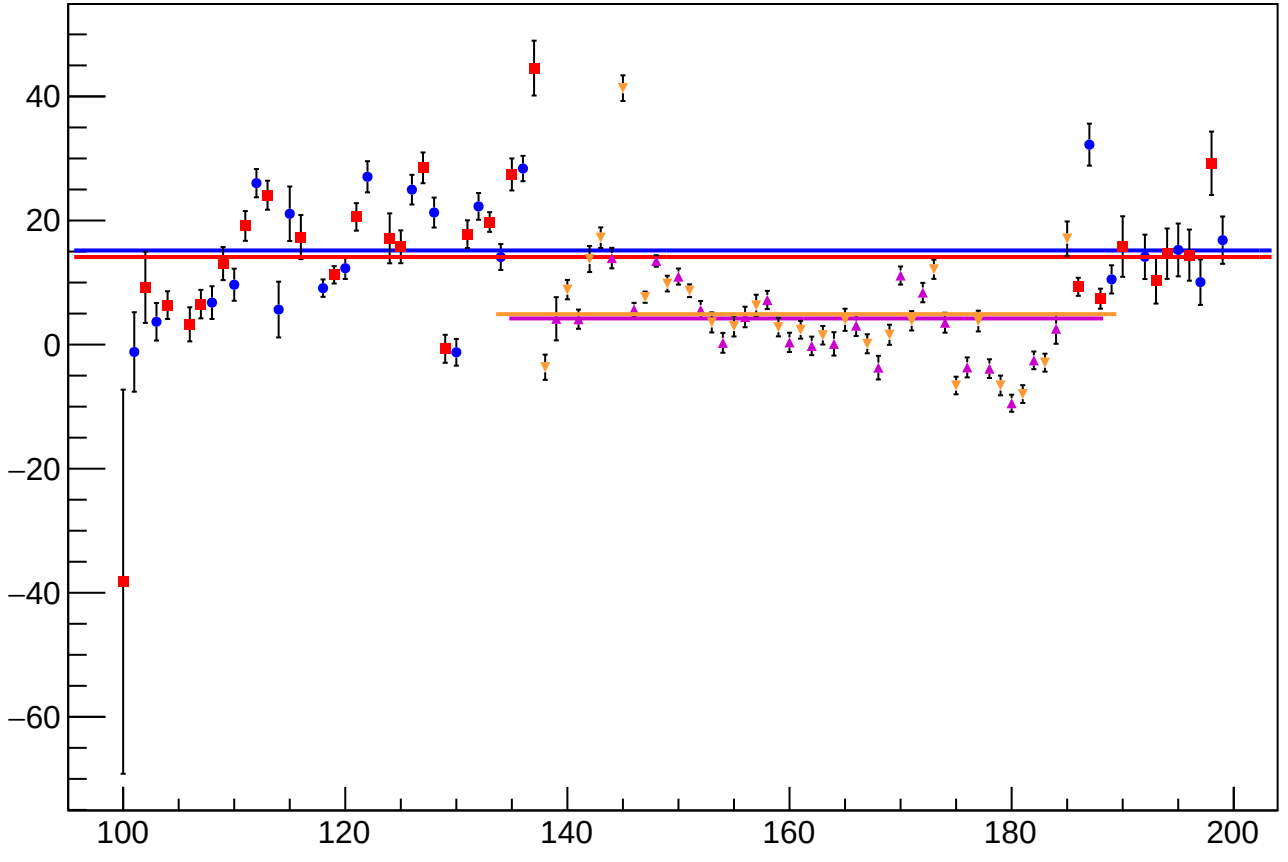
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.771+/-0.312 χ^2/NDF: 6003.9/46

All: -65.490+/-0.216 χ^2/NDF: 15208.8/95

- sign -67.051+/-0.298 χ^2/NDF: 9147.1/48

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.175+/-0.533 χ^2/NDF: 274.3/21

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.117+/-0.480 χ^2/NDF: 283.4/25

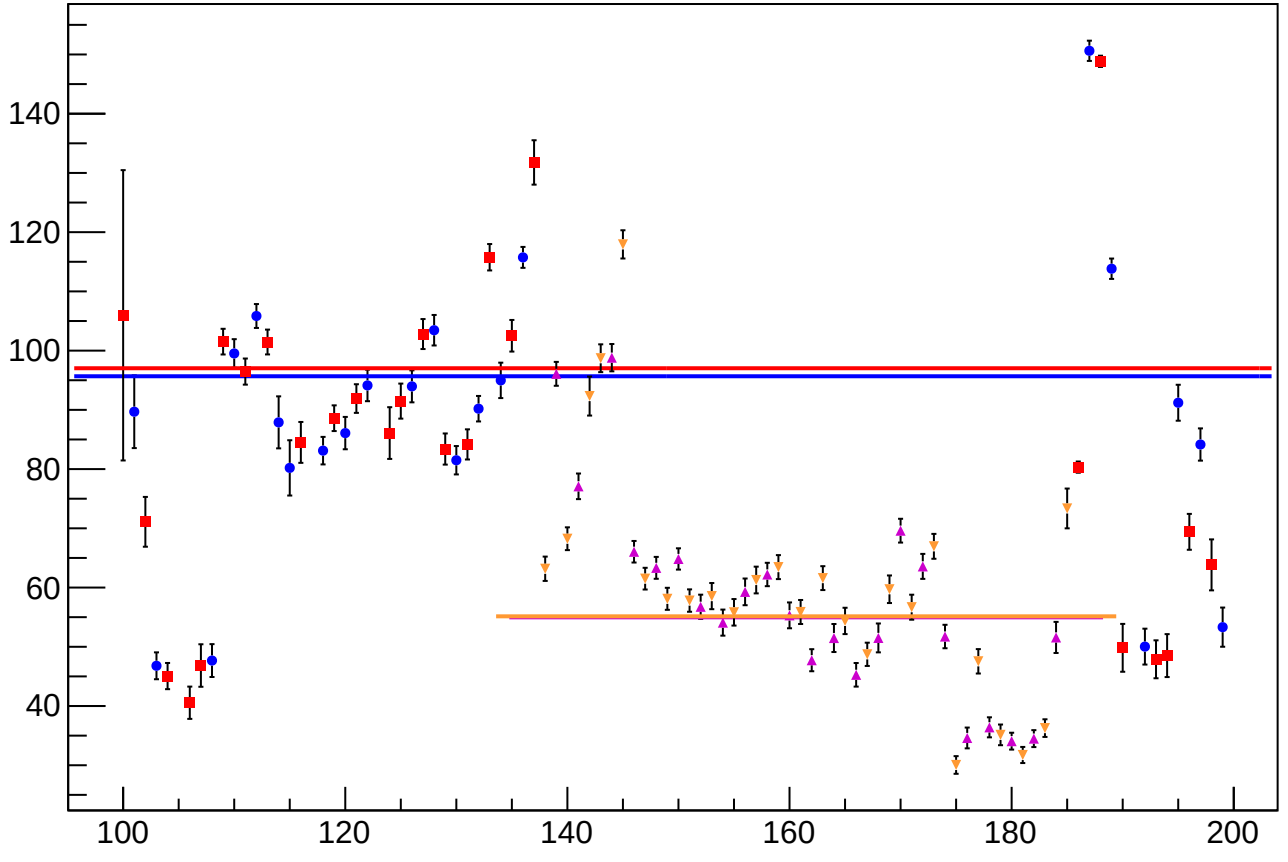
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

\+ sign 7.397+/-0.262 χ^2/NDF: 1296.9/46

All: 7.278+/-0.185 χ^2/NDF: 2294.5/95

\- sign 7.159+/-0.262 χ^2/NDF: 997.2/48

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 95.673+/-0.530 χ^2/NDF: 2584.1/21

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 97.026+/-0.436 χ^2/NDF: 5473.3/25

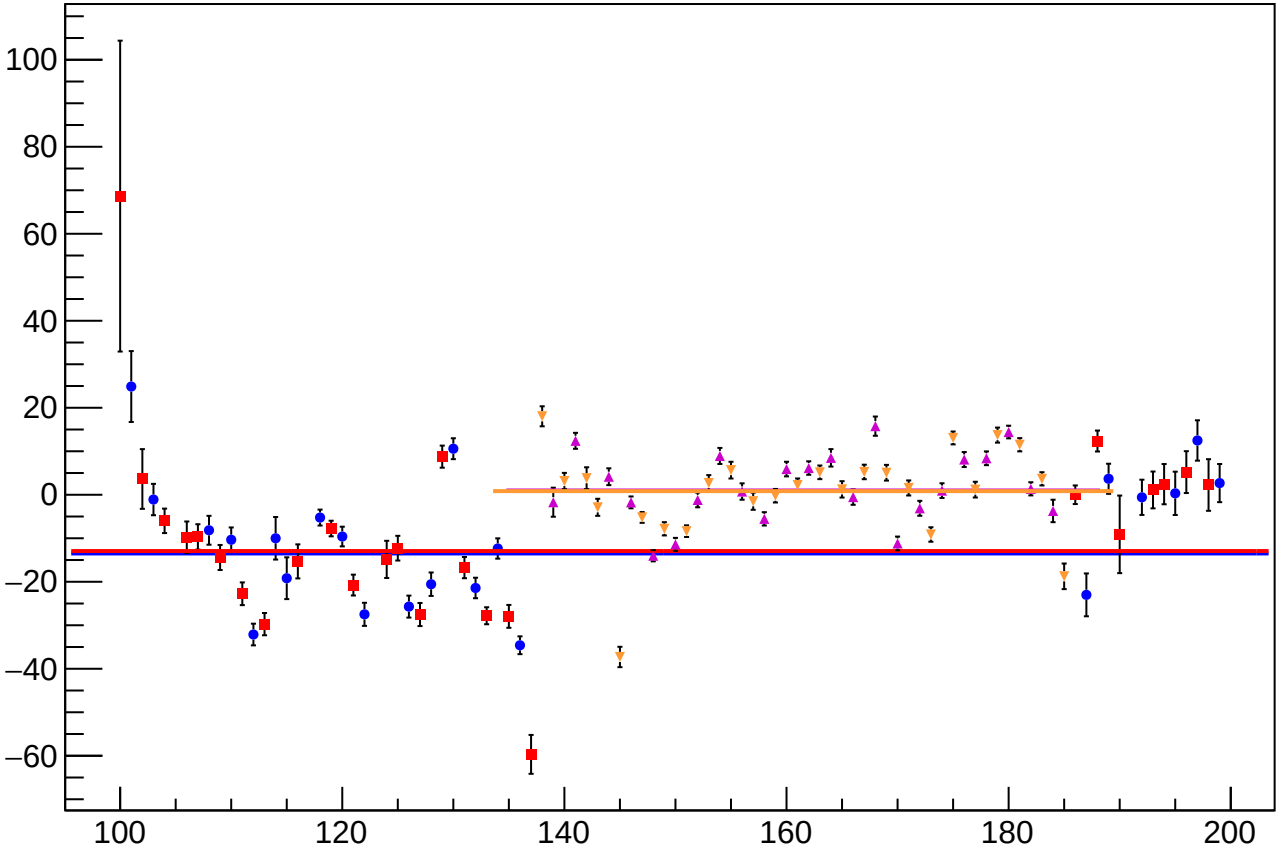
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.707+/-0.318 χ^2/NDF: 8573.8/46

All: 72.244+/-0.217 χ^2/NDF: 20929.9/95

- sign 74.463+/-0.297 χ^2/NDF: 12236.6/48

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.491+/-0.622 χ^2/NDF: 486.4/21

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -12.940+/-0.578 χ^2/NDF: 592.2/25

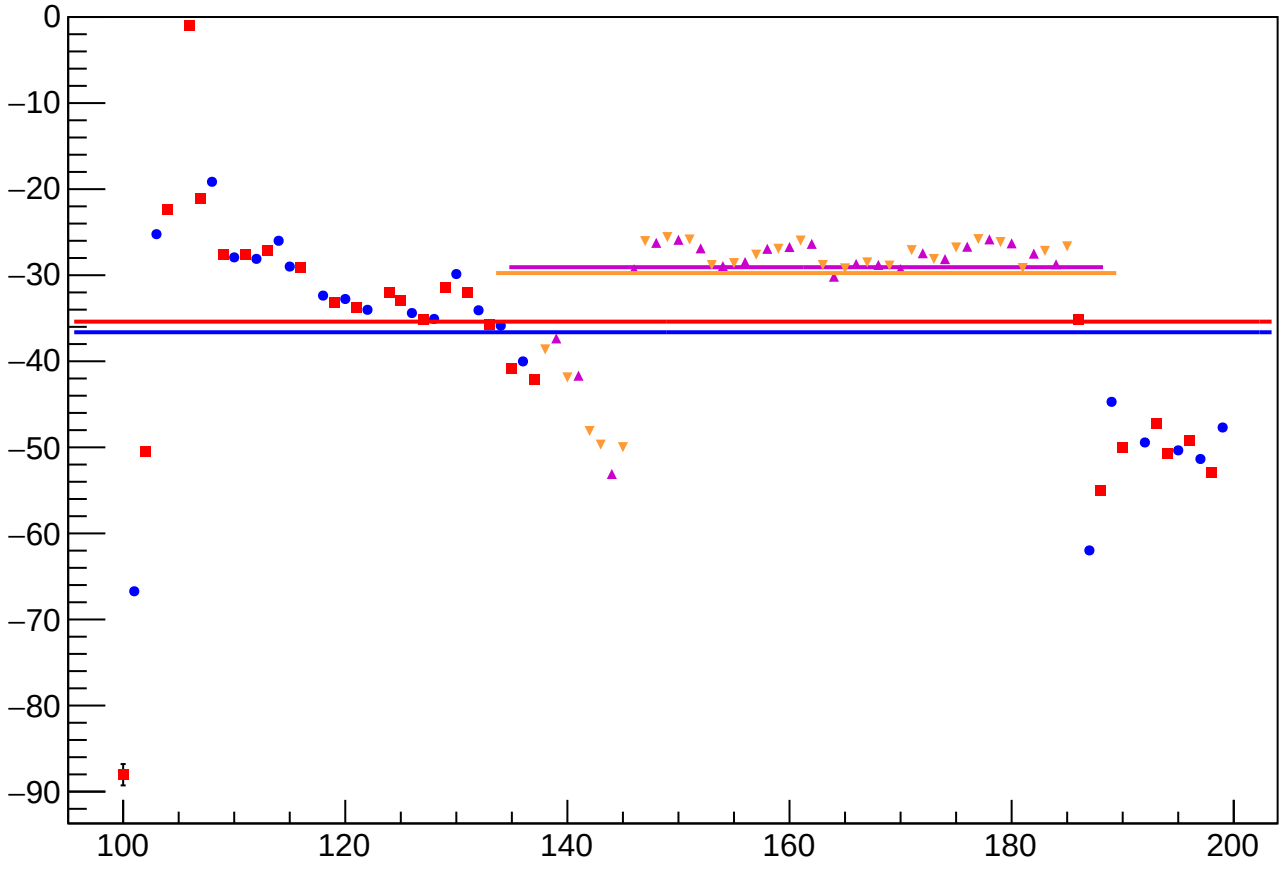
Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.498+/-0.300 χ^2/NDF: 1610.4/46

All: -2.651+/-0.213 χ^2/NDF: 3183.7/95

\- sign -2.806+/-0.301 χ^2/NDF: 1572.7/48

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -36.628+/-0.033 χ^2/NDF: 101222.3/21

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -35.395+/-0.032 χ^2/NDF: 188214.2/25

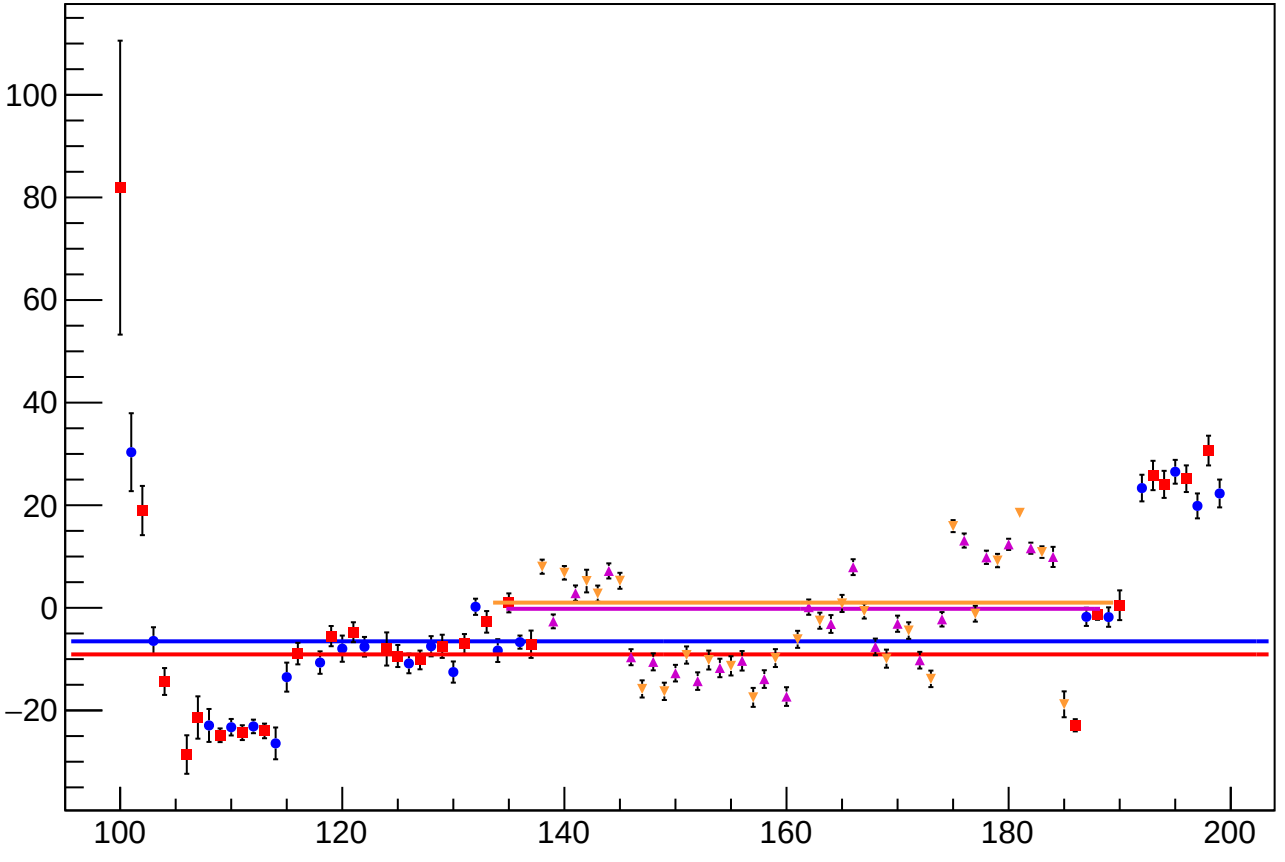
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.024+/-0.014 χ^2/NDF: 300762.7/46

All: -30.672+/-0.010 χ^2/NDF: 623470.1/95

- sign -30.317+/-0.014 χ^2/NDF: 321451.5/48

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -6.530+/-0.435 χ^2/NDF: 978.9/21

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -9.078+/-0.387 χ^2/NDF: 1365.8/25

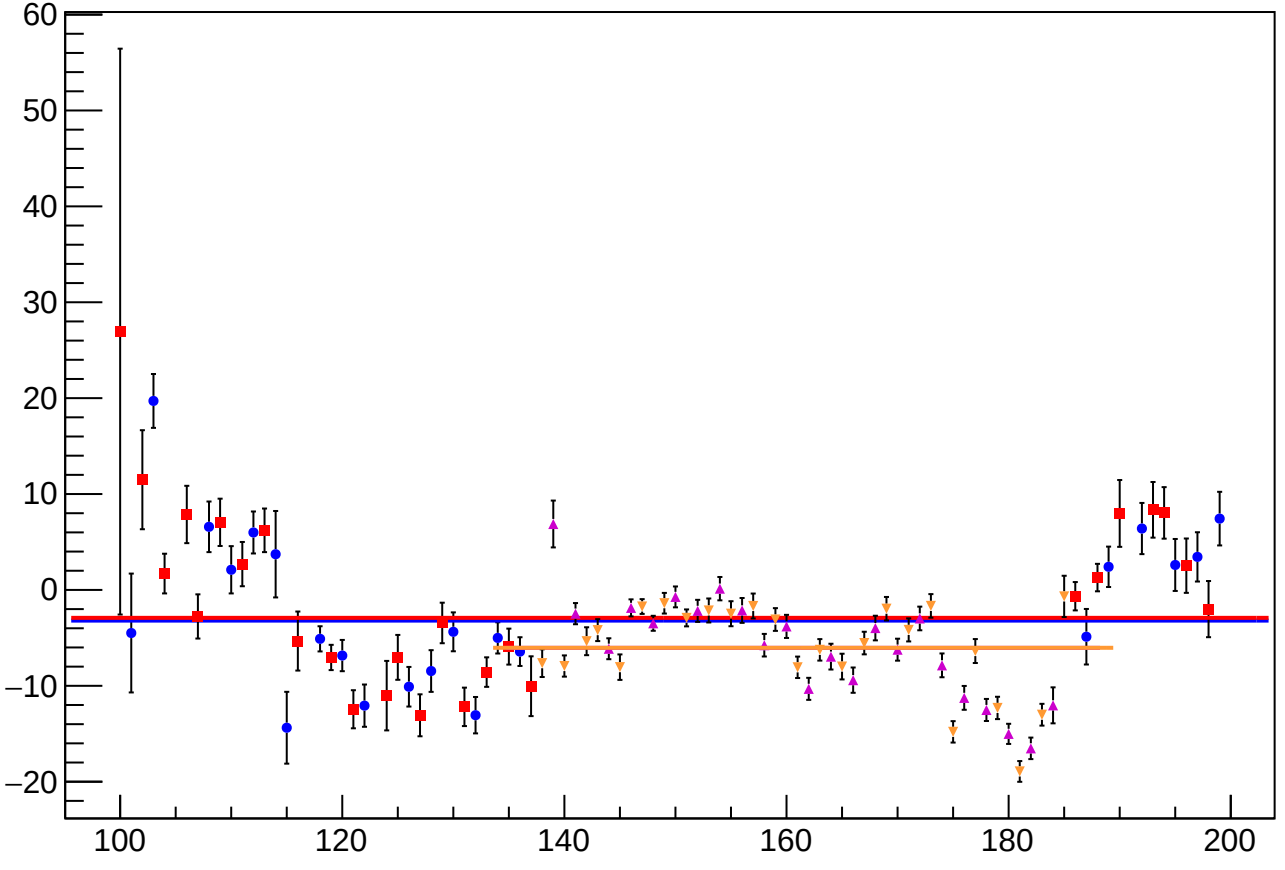
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -1.470+/-0.250 χ^2/NDF: 2515.8/46

All: -2.620+/-0.175 χ^2/NDF: 5222.9/95

- sign -3.721+/-0.244 χ^2/NDF: 2665.5/48

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.198+/-0.464 χ^2/NDF: 233.4/21

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.912+/-0.433 χ^2/NDF: 227.2/25

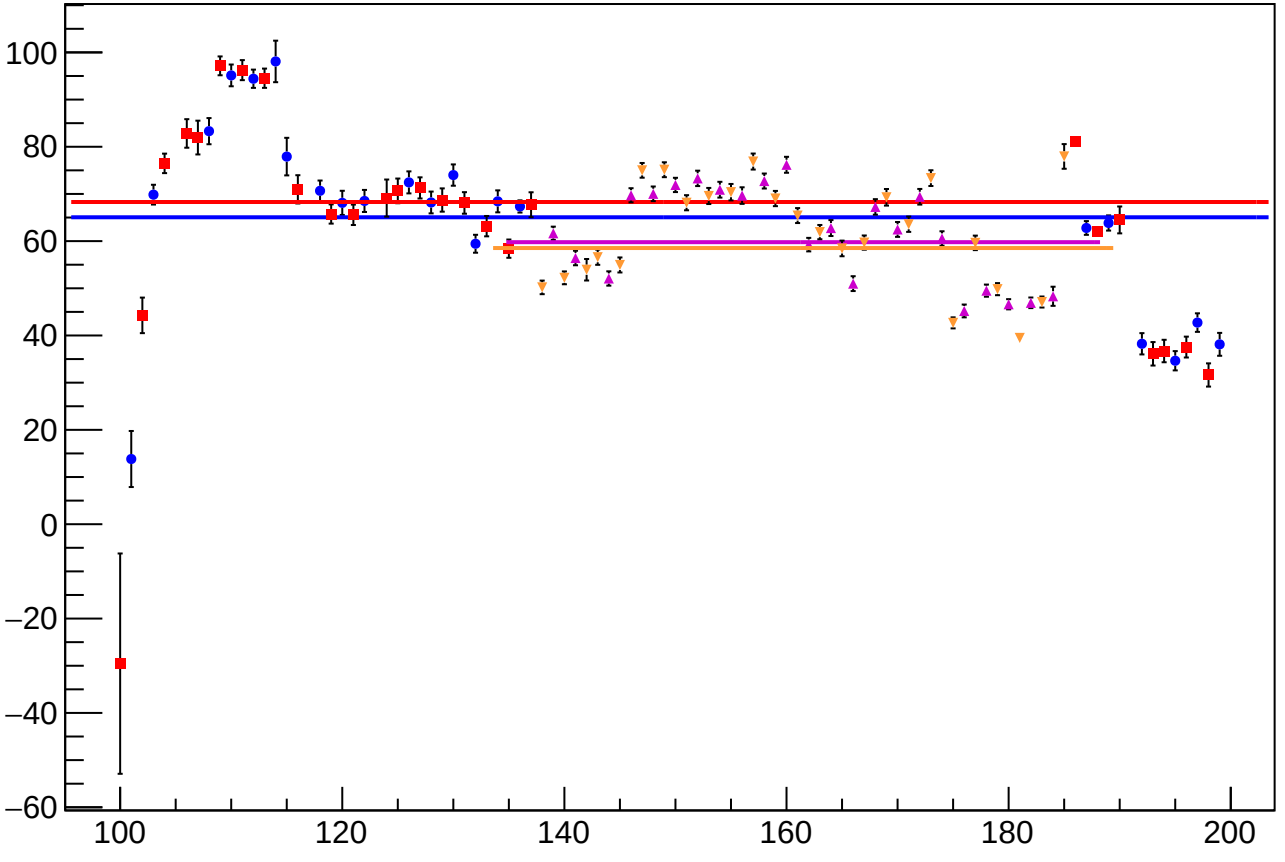
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.463+/-0.208 χ^2/NDF: 678.2/46

All: -5.380+/-0.149 χ^2/NDF: 1341.7/95

- sign -5.295+/-0.212 χ^2/NDF: 663.2/48

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 65.053+/-0.454 χ^2/NDF: 1259.7/21

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 68.291+/-0.390 χ^2/NDF: 1692.0/25

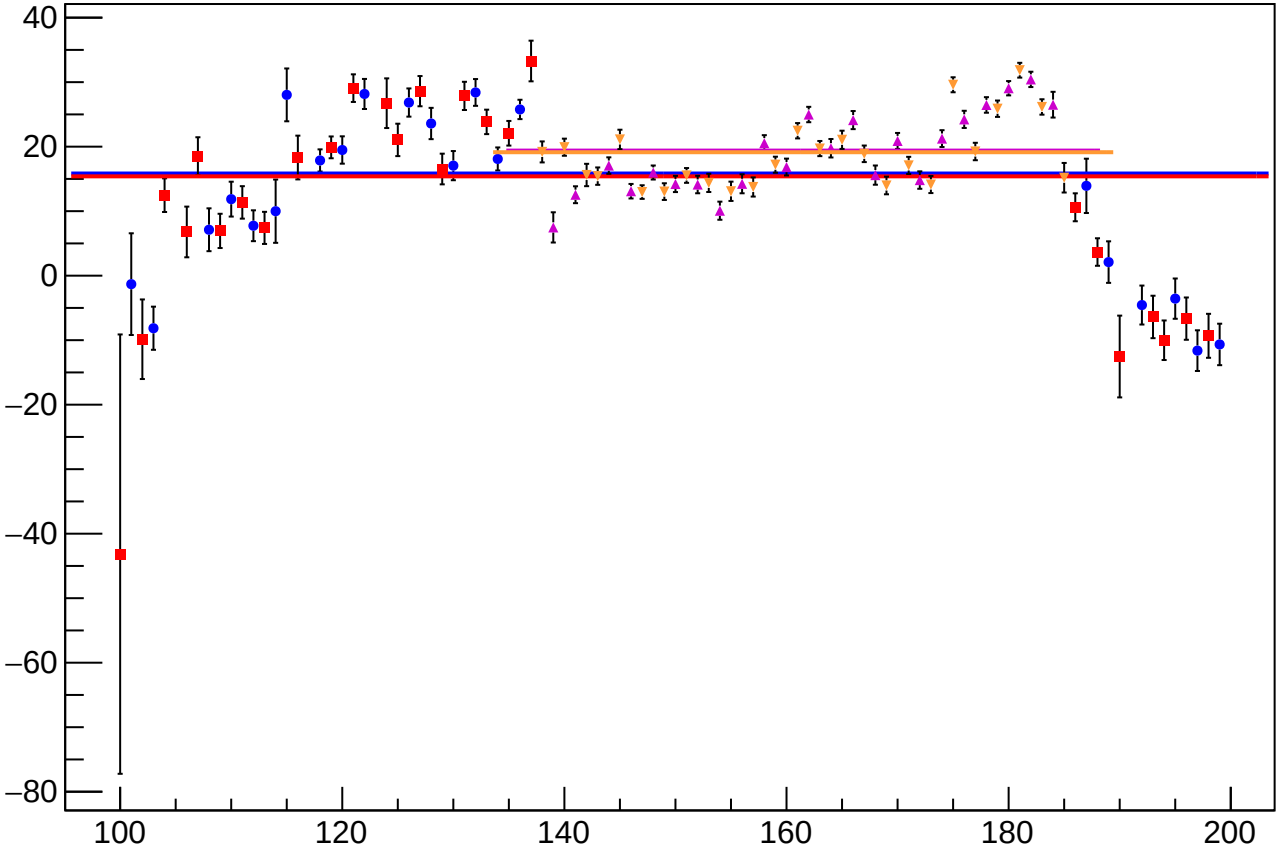
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 60.543+/-0.252 χ^2/NDF: 2851.5/46

All: 61.864+/-0.175 χ^2/NDF: 5958.2/95

- sign 63.096+/-0.243 χ^2/NDF: 3053.6/48

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 15.836+/-0.536 χ^2/NDF: 483.6/21

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 15.398+/-0.516 χ^2/NDF: 506.1/25

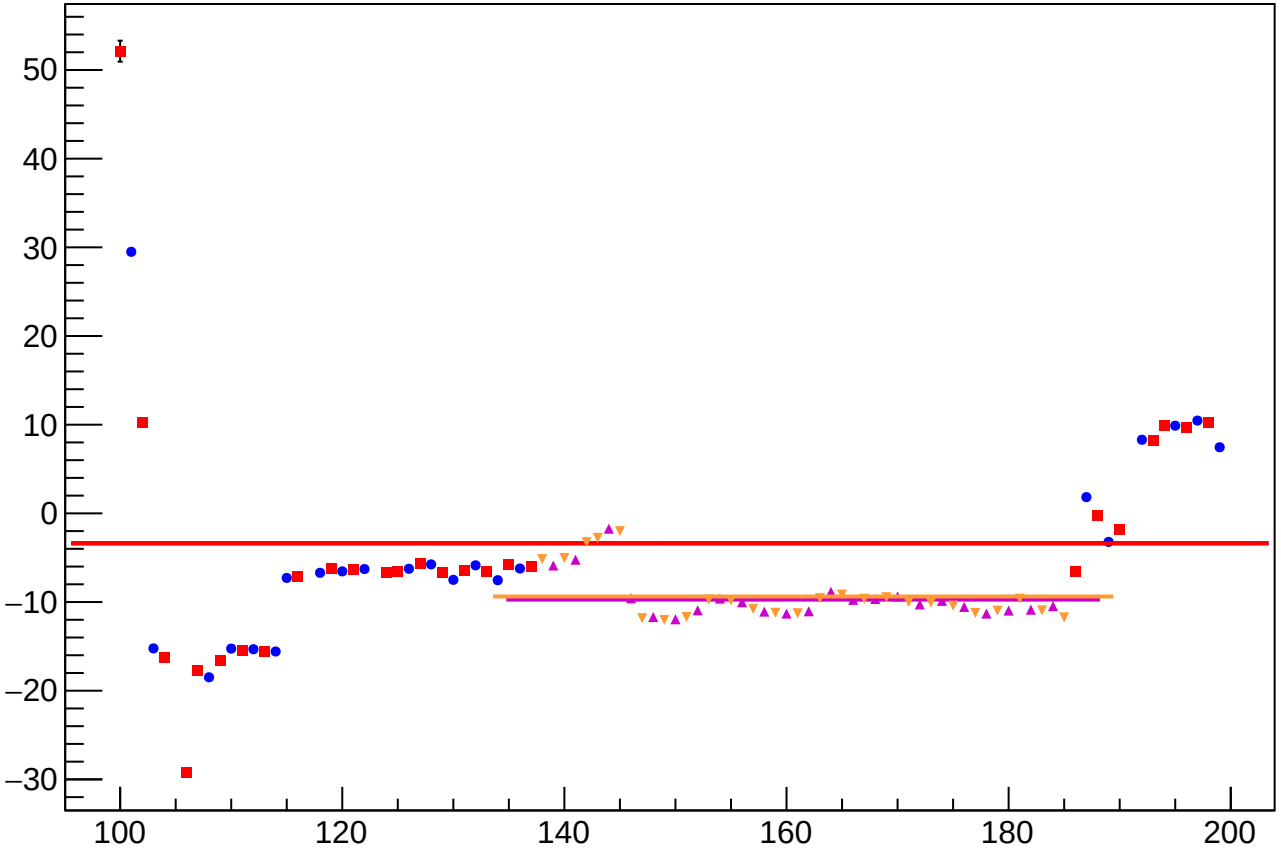
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.493+/-0.237 χ^2/NDF: 947.9/46

All: 18.504+/-0.169 χ^2/NDF: 1968.4/95

- sign 18.514+/-0.242 χ^2/NDF: 1020.5/48

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -3.367+/-0.026 χ^2/NDF: 129970.9/21

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -3.388+/-0.027 χ^2/NDF: 160151.0/25

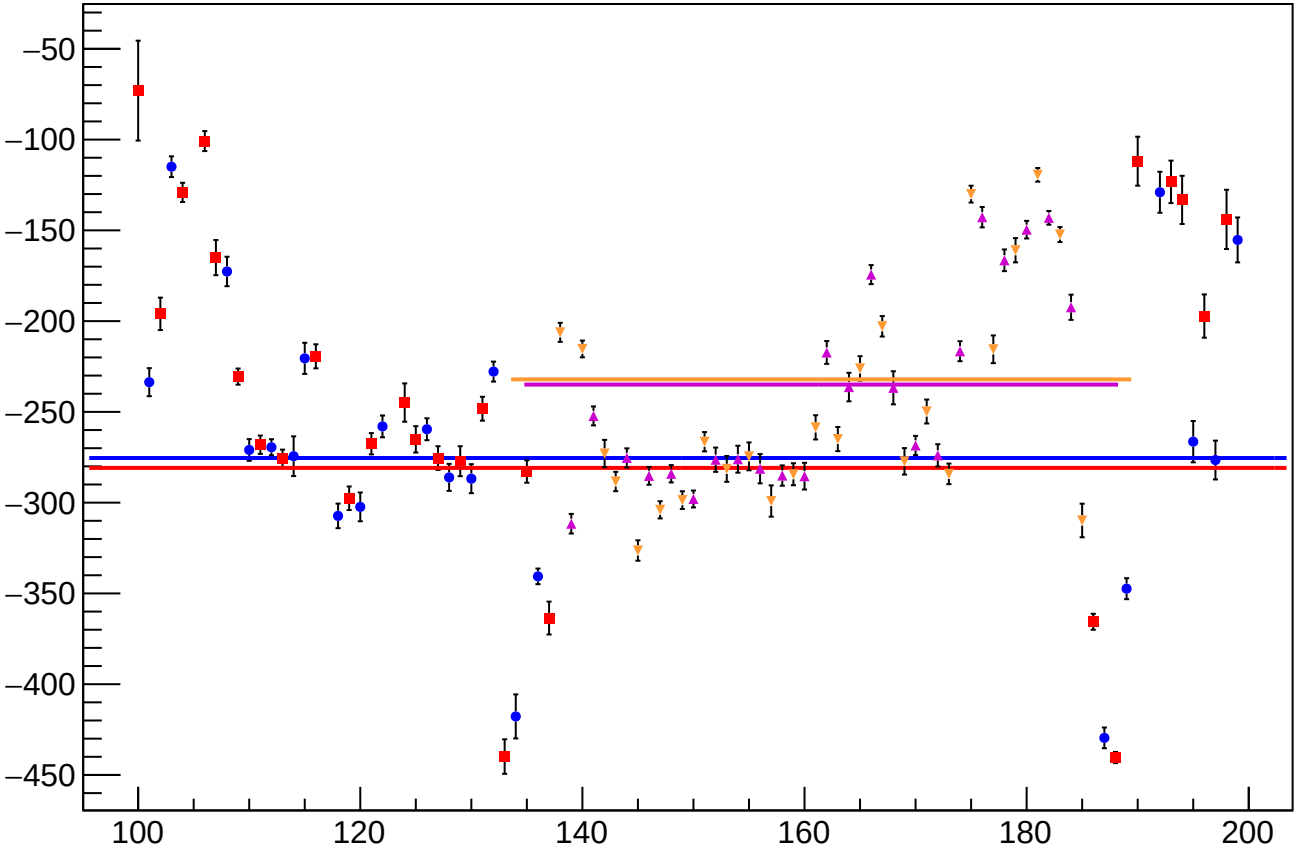
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -8.366+/-0.011 χ^2/NDF: 222844.0/46

All: -8.501+/-0.008 χ^2/NDF: 462126.6/95

- sign -8.641+/-0.011 χ^2/NDF: 238965.5/48

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -275.400+/-1.450 χ^2/NDF: 2664.3/21

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -280.856+/-1.262 χ^2/NDF: 6479.2/25

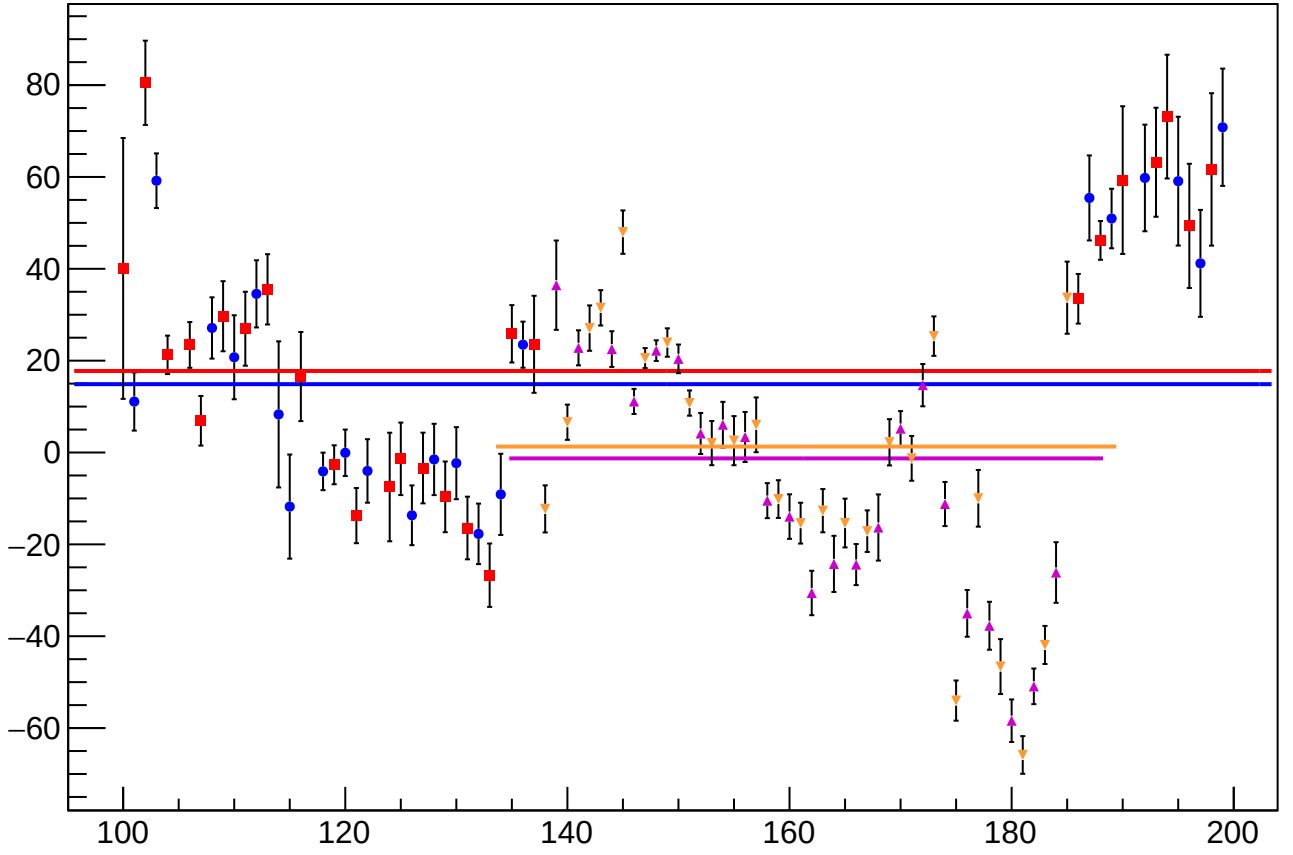
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -248.686+/-0.898 χ^2/NDF: 6484.4/46

All: -252.649+/-0.621 χ^2/NDF: 16179.7/95

- sign -256.286+/-0.860 χ^2/NDF: 9658.0/48

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.881+/-1.522 χ^2/NDF: 273.0/21

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 17.754+/-1.363 χ^2/NDF: 317.0/25

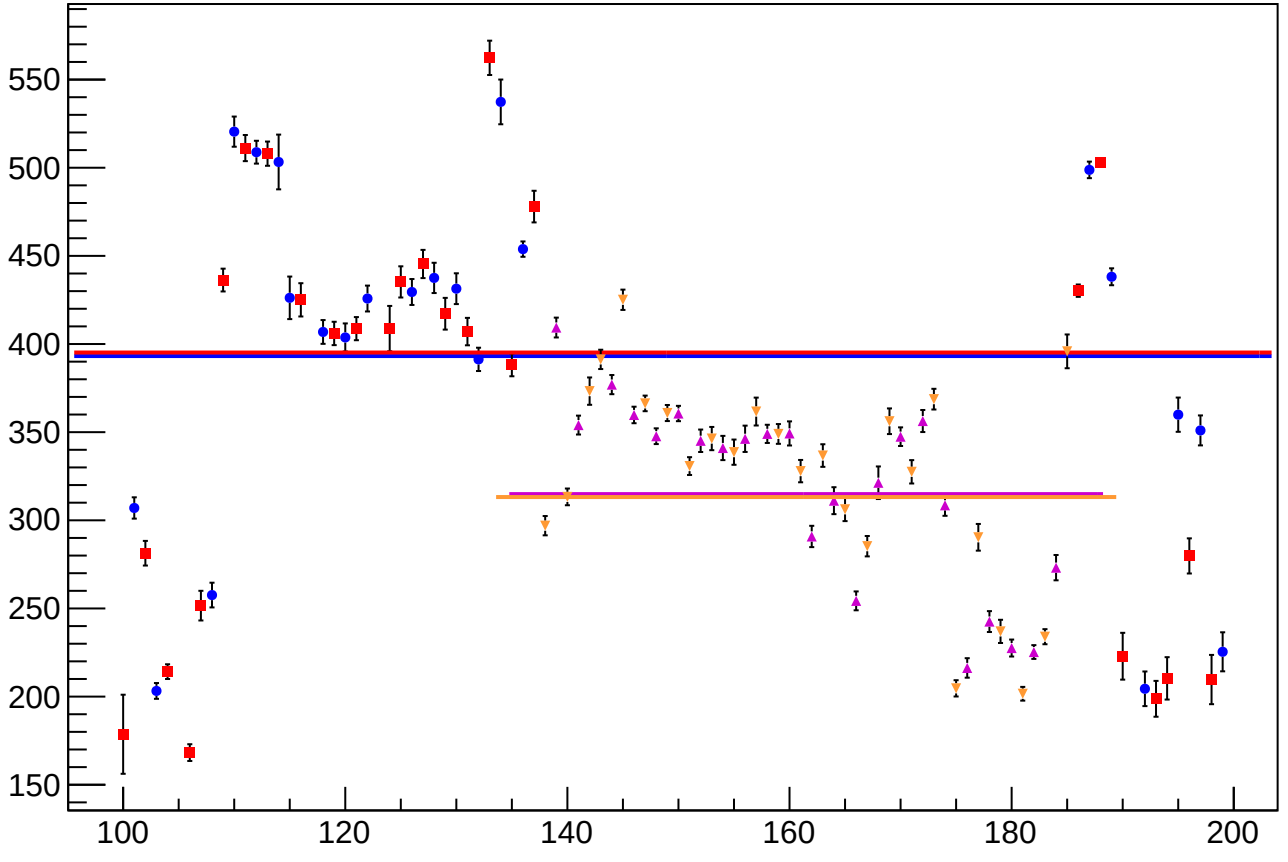
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 4.448+/-0.733 χ^2/NDF: 1383.6/46

All: 4.333+/-0.518 χ^2/NDF: 2650.5/95

\- sign 4.219+/-0.733 χ^2/NDF: 1266.9/48

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 393.175+/-1.472 χ^2/NDF: 4622.5/21

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 395.179+/-1.237 χ^2/NDF: 8929.4/25

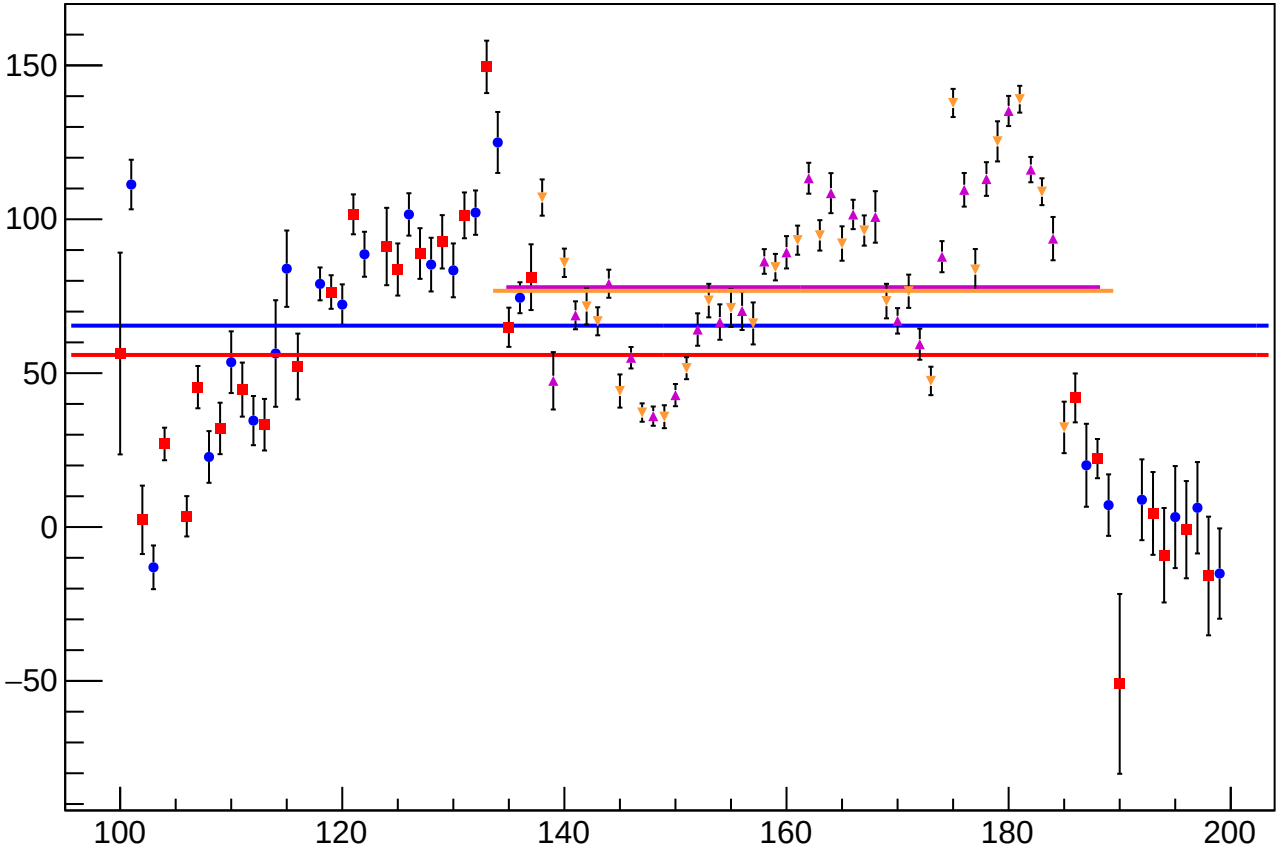
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

\+ sign 342.978+/-0.898 χ^2/NDF: 9610.6/46

All: 348.007+/-0.616 χ^2/NDF: 23267.8/95

\- sign 352.476+/-0.847 χ^2/NDF: 13598.1/48

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 65.434+/-1.790 χ^2/NDF: 443.2/21

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 55.913+/-1.647 χ^2/NDF: 522.4/25

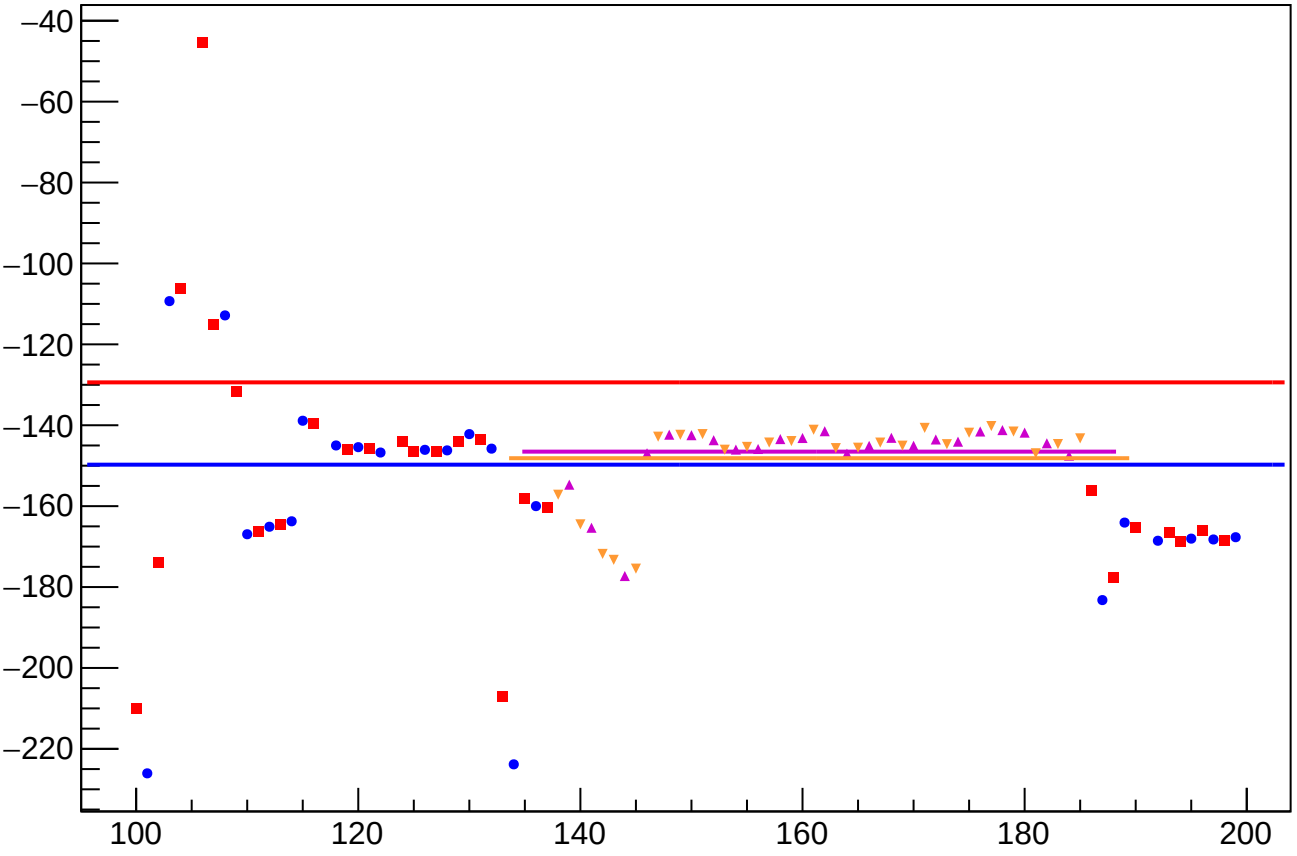
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 74.202+/-0.851 χ^2/NDF: 1509.5/46

All: 73.115+/-0.602 χ^2/NDF: 2949.7/95

- sign 72.023+/-0.853 χ^2/NDF: 1437.0/48

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -149.746+/-0.088 χ^2/NDF: 143343.7/21

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -129.400+/-0.080 χ^2/NDF: 330148.2/25

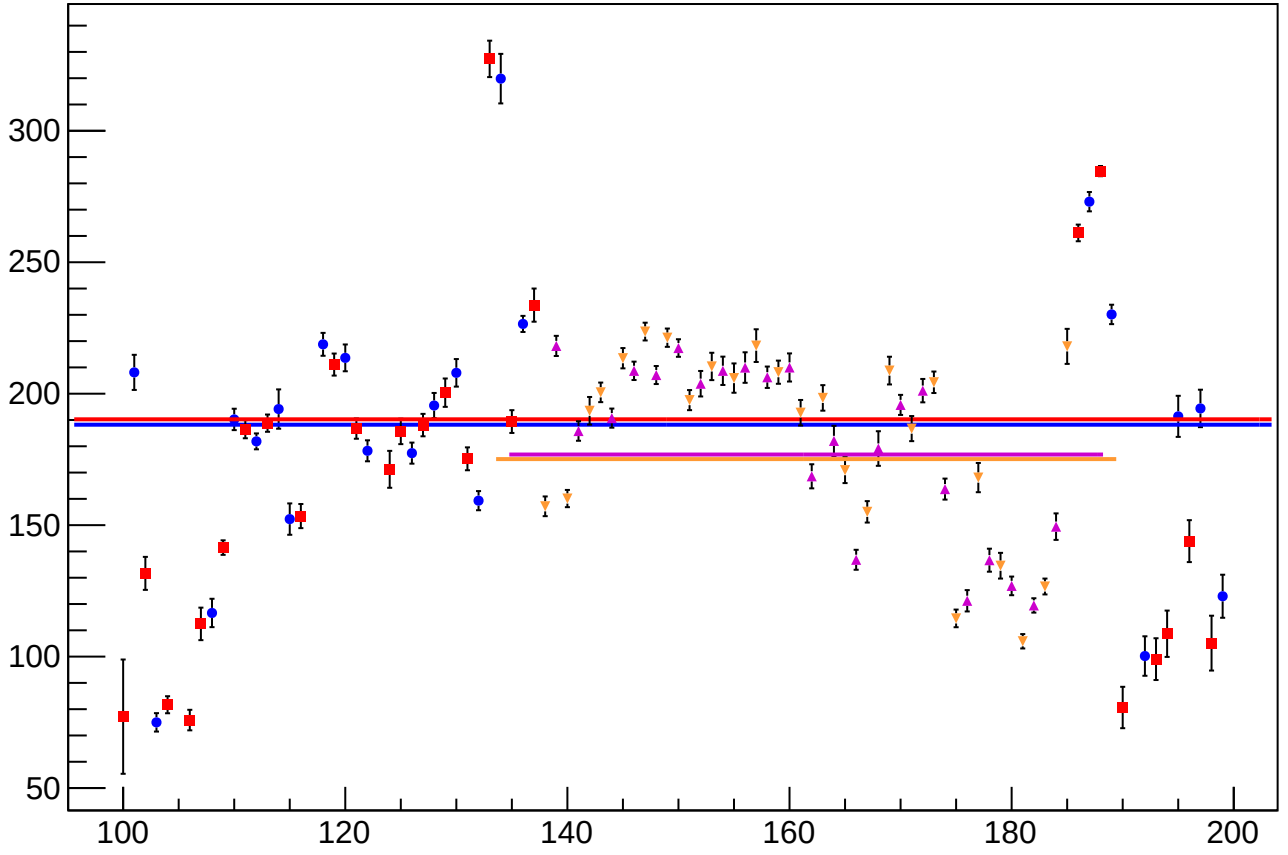
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.479+/-0.040 χ^2/NDF: 192513.5/46

All: -145.357+/-0.028 χ^2/NDF: 598378.9/95

- sign -142.326+/-0.040 χ^2/NDF: 393956.4/48

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 188.208+/-0.971 χ^2/NDF: 2654.1/21

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 190.258+/-0.835 χ^2/NDF: 6512.5/25

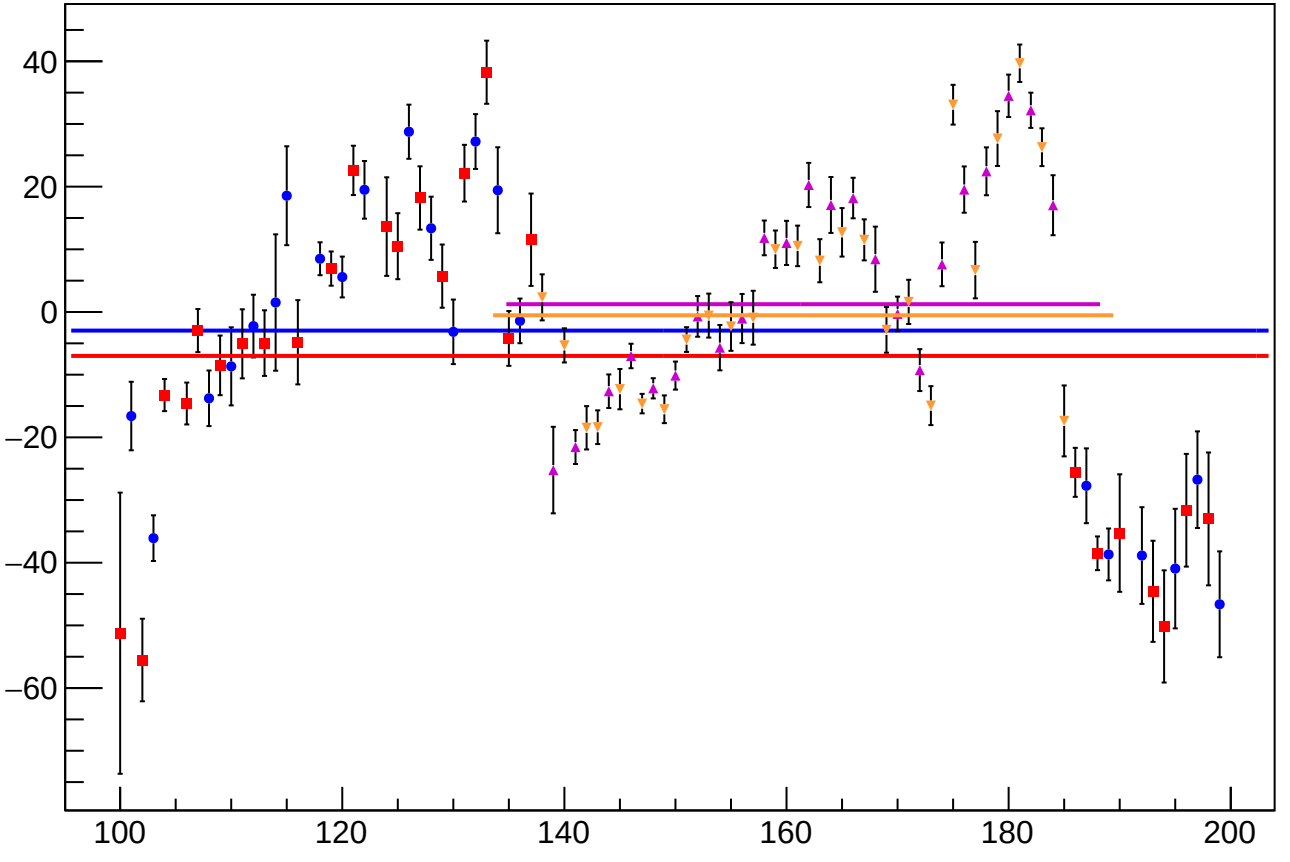
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

\+ sign 180.585+/-0.627 χ^2/NDF: 5055.0/46

All: 182.203+/-0.432 χ^2/NDF: 13463.1/95

\- sign 183.657+/-0.595 χ^2/NDF: 8395.5/48

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.966+/-1.018 χ^2/NDF: 441.2/21

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -7.005+/-0.898 χ^2/NDF: 559.4/25

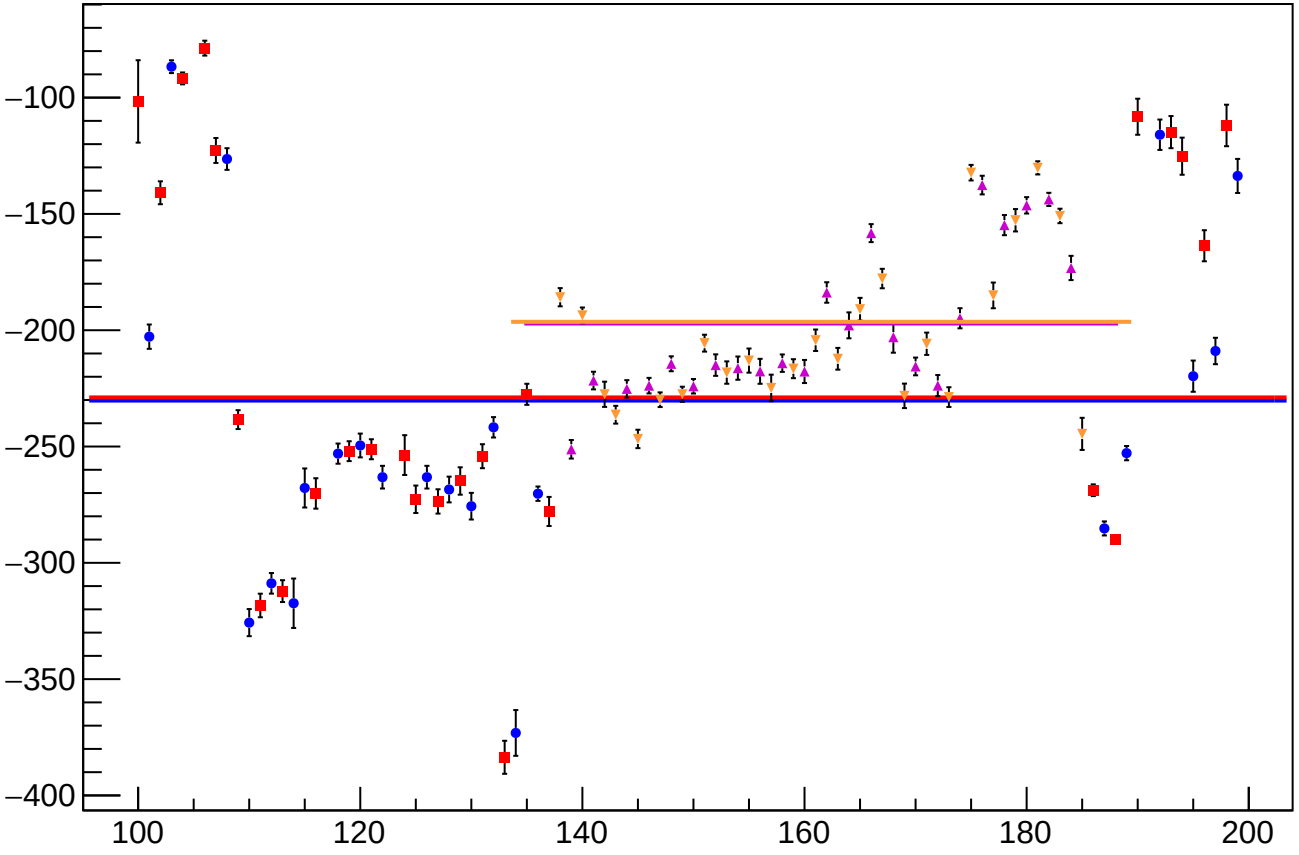
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -1.154+/-0.517 χ^2/NDF: 1169.9/46

All: -1.304+/-0.364 χ^2/NDF: 2406.9/95

- sign -1.451+/-0.513 χ^2/NDF: 1236.8/48

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -230.237+/-0.983 χ^2/NDF: 5434.4/21

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -228.892+/-0.815 χ^2/NDF: 10031.9/25

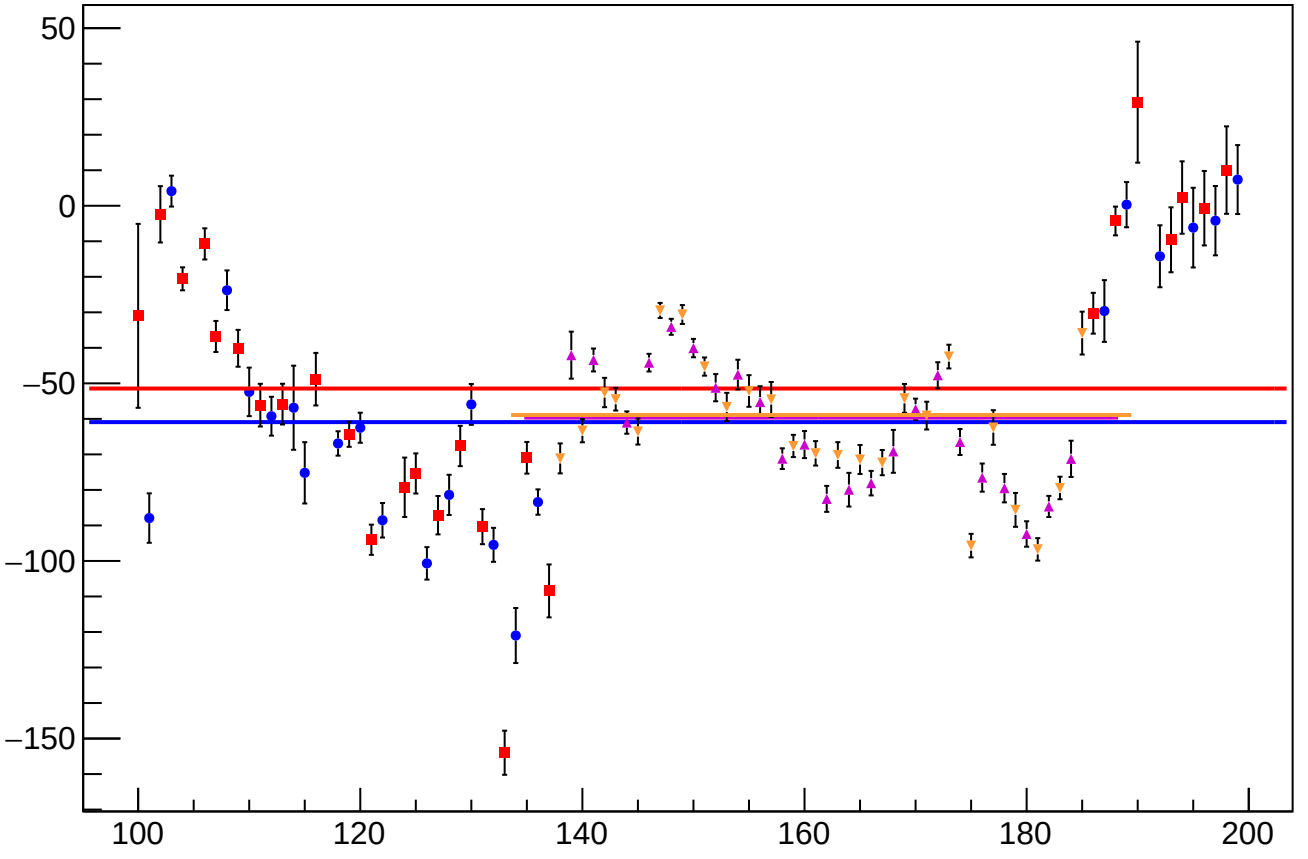
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -210.190+/-0.628 χ^2/NDF: 8134.7/46

All: -211.927+/-0.428 χ^2/NDF: 20521.9/95

- sign -213.430+/-0.584 χ^2/NDF: 12372.9/48

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -60.912+/-1.202 χ^2/NDF: 805.4/21

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

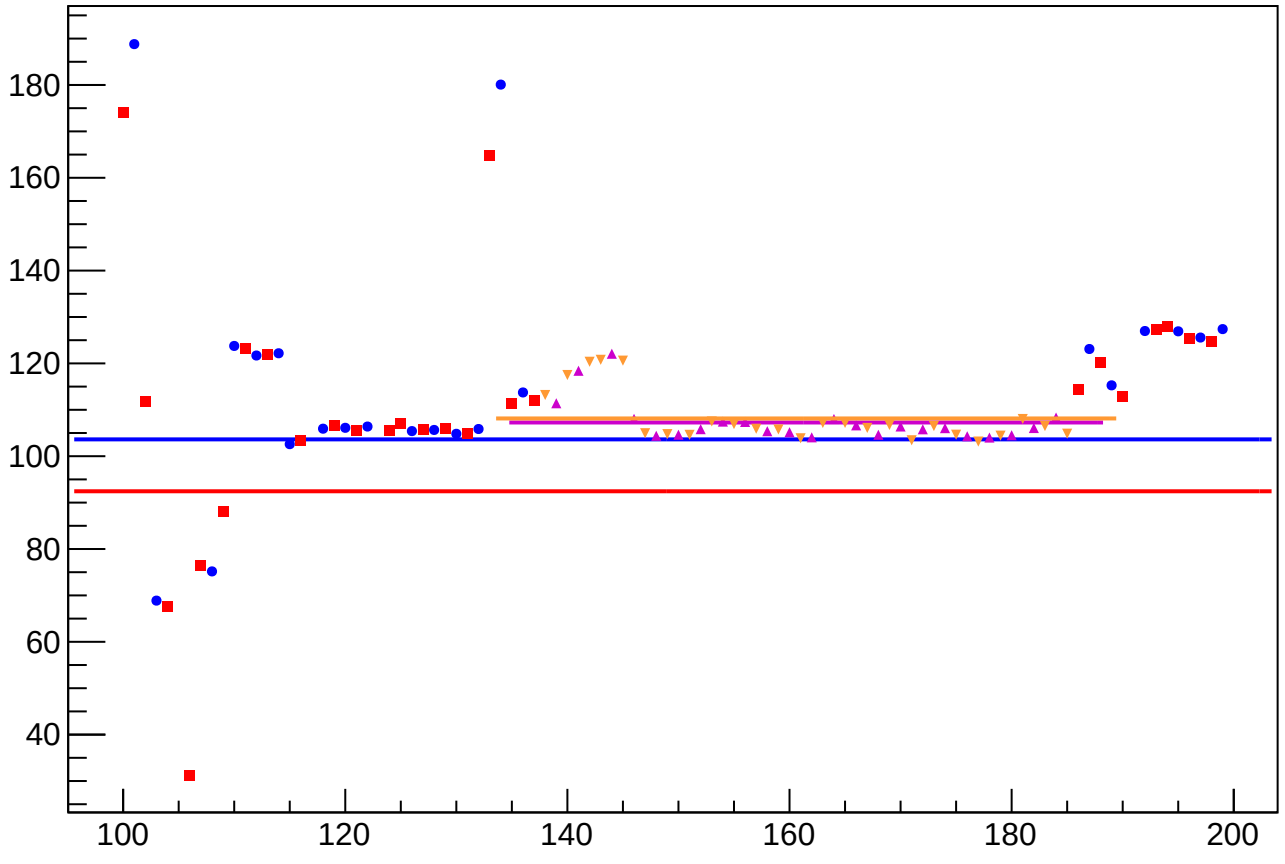
Right Out: -51.453+/-1.088 χ^2/NDF: 1109.4/25

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -59.411+/-0.602 χ^2/NDF: 1589.9/46

All: -58.277+/-0.425 χ^2/NDF: 3342.9/95

- sign -57.152+/-0.599 χ^2/NDF: 1745.9/48



Right In: 103.626+/-0.059 χ^2/NDF: 260881.0/21

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

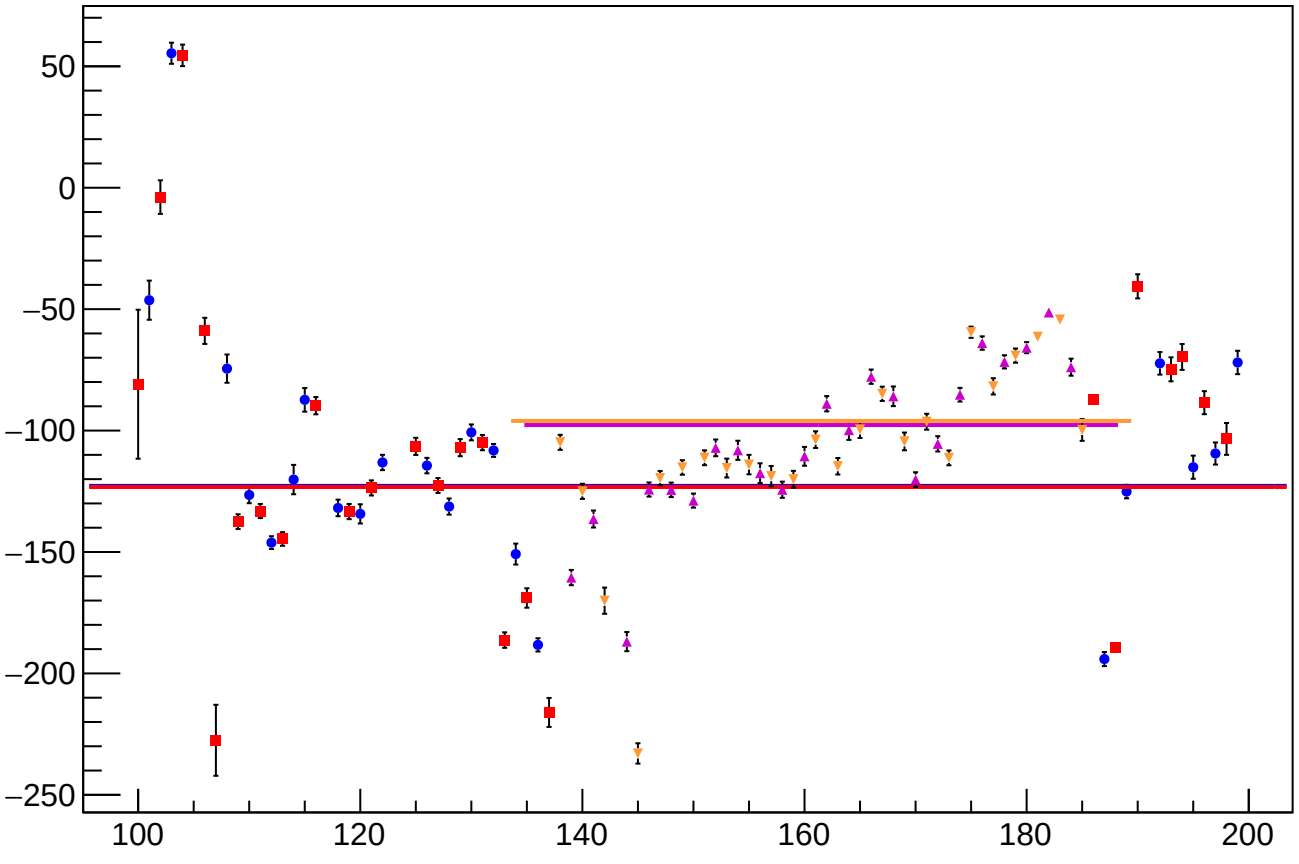
Right Out: 92.442+/-0.054 χ^2/NDF: 353546.3/25

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 107.088+/-0.028 χ^2/NDF: 291788.0/46

All: 105.153+/-0.020 χ^2/NDF: 726330.5/95

- sign 103.268+/-0.028 χ^2/NDF: 425396.9/48



Right In: -122.777+/-0.769 χ^2/NDF: 3545.9/21

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

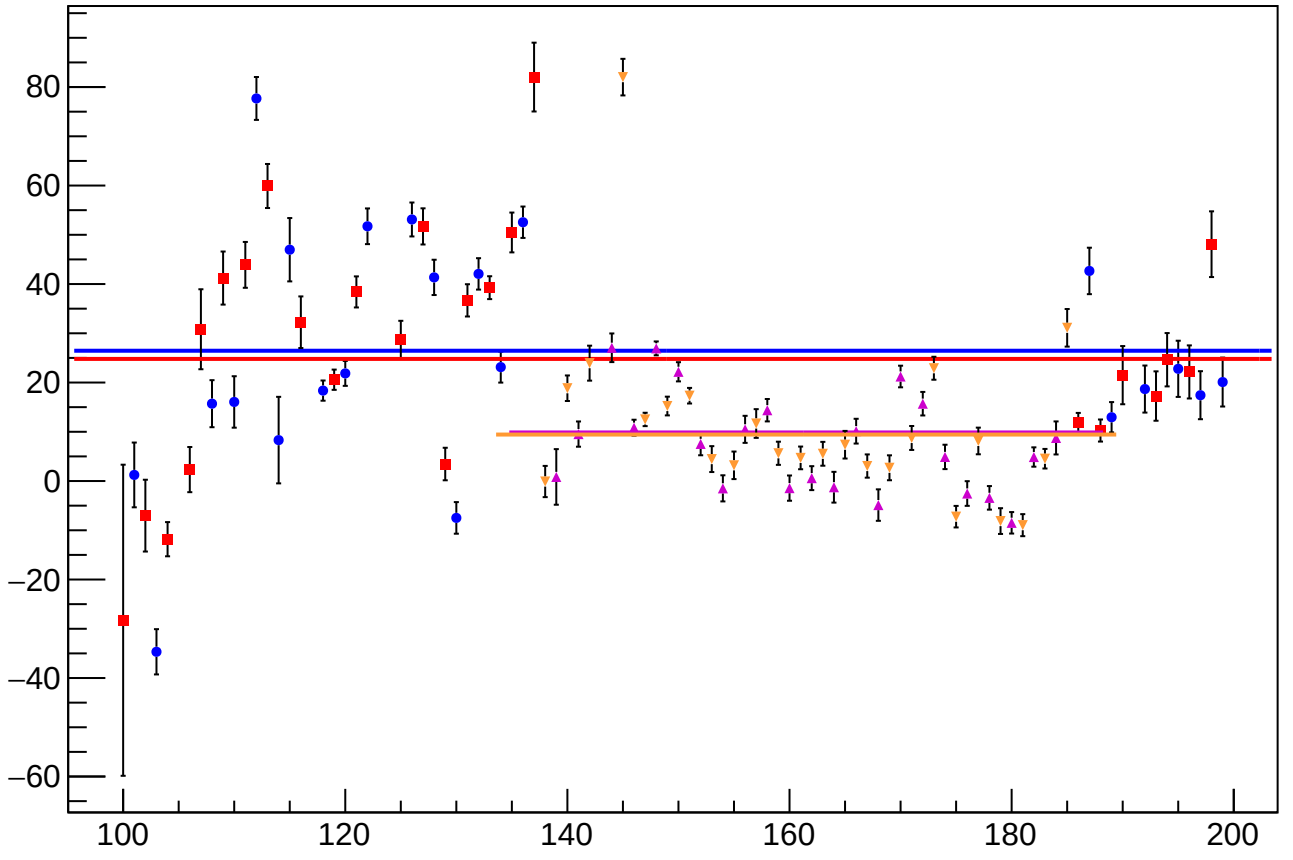
Right Out: -123.230+/-0.669 χ^2/NDF: 5786.0/24

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -106.871+/-0.490 χ^2/NDF: 7036.6/45

All: -108.459+/-0.336 χ^2/NDF: 16244.4/93

- sign -109.874+/-0.462 χ^2/NDF: 9187.9/47



Right In: 26.458+/-0.797 χ^2/NDF: 741.4/21

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

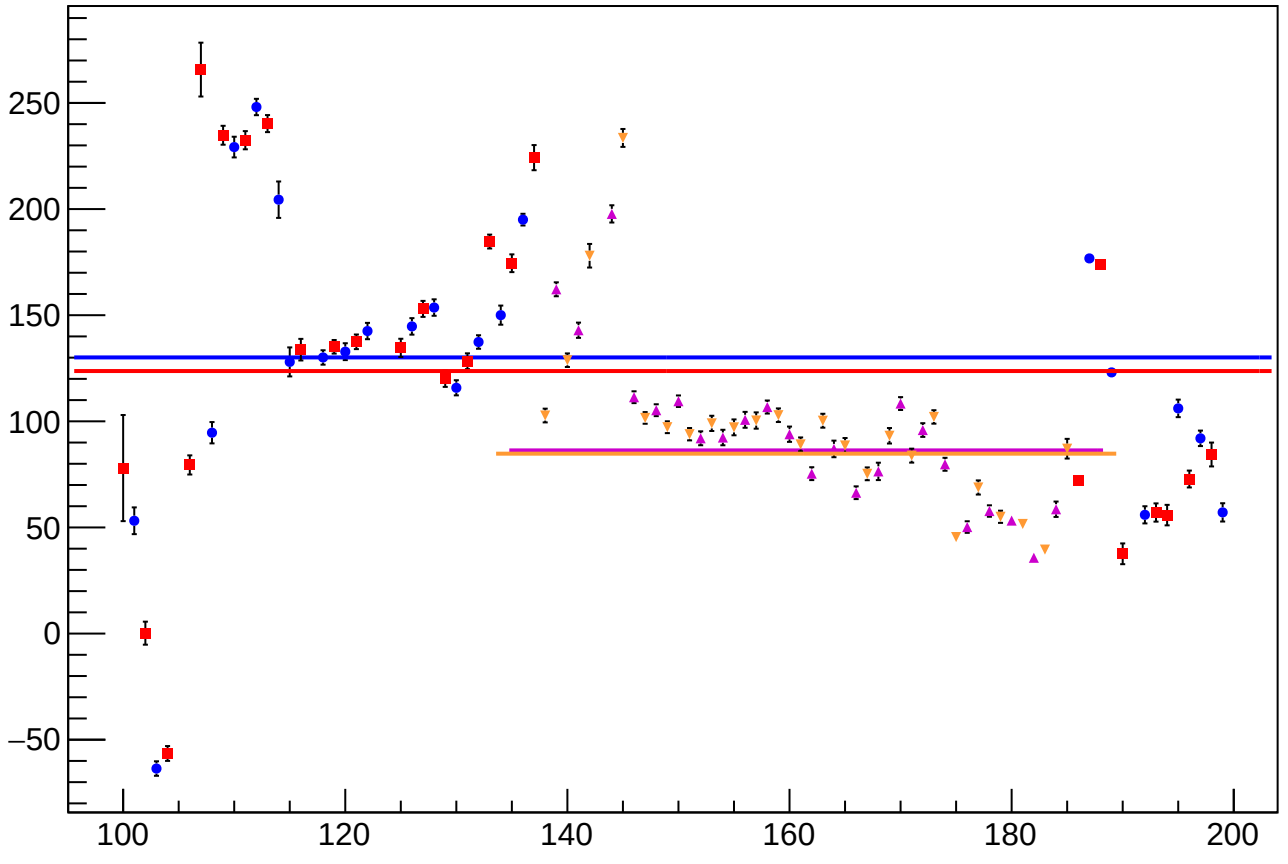
Right Out: 24.797+/-0.732 χ^2/NDF: 624.0/24

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.943+/-0.410 χ^2/NDF: 1813.4/45

All: 14.192+/-0.288 χ^2/NDF: 3211.8/93

- sign 14.436+/-0.405 χ^2/NDF: 1397.8/47



Right In: 130.107+/-0.788 χ^2/NDF: 6656.4/21

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

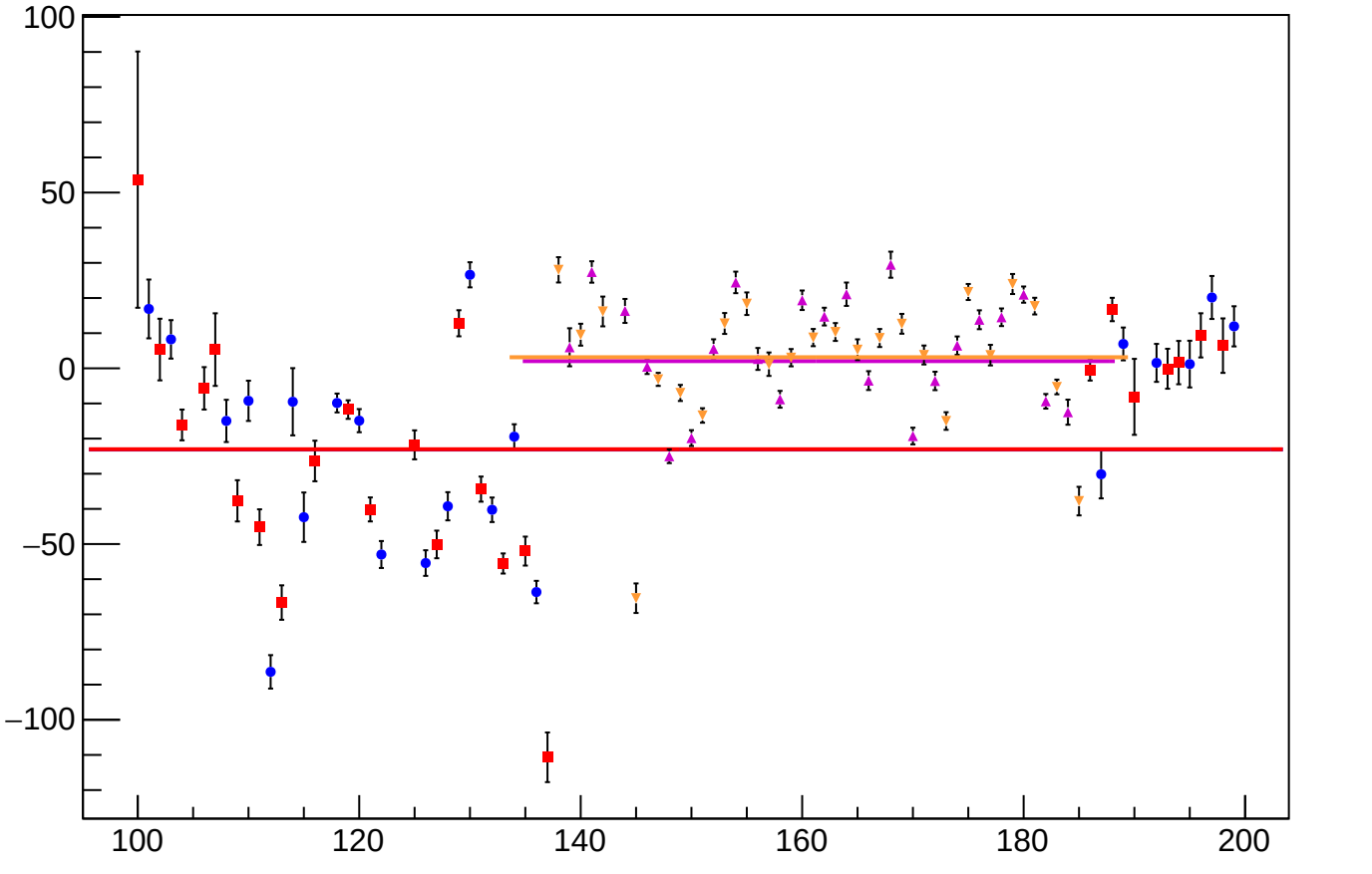
Right Out: 123.690+/-0.646 χ^2/NDF: 10332.4/24

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 102.399+/-0.492 χ^2/NDF: 11787.9/45

All: 103.574+/-0.333 χ^2/NDF: 26994.4/93

\- sign 104.566+/-0.452 χ^2/NDF: 15195.9/47



Right In: -23.103+/-0.937 χ^2/NDF: 980.1/21

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

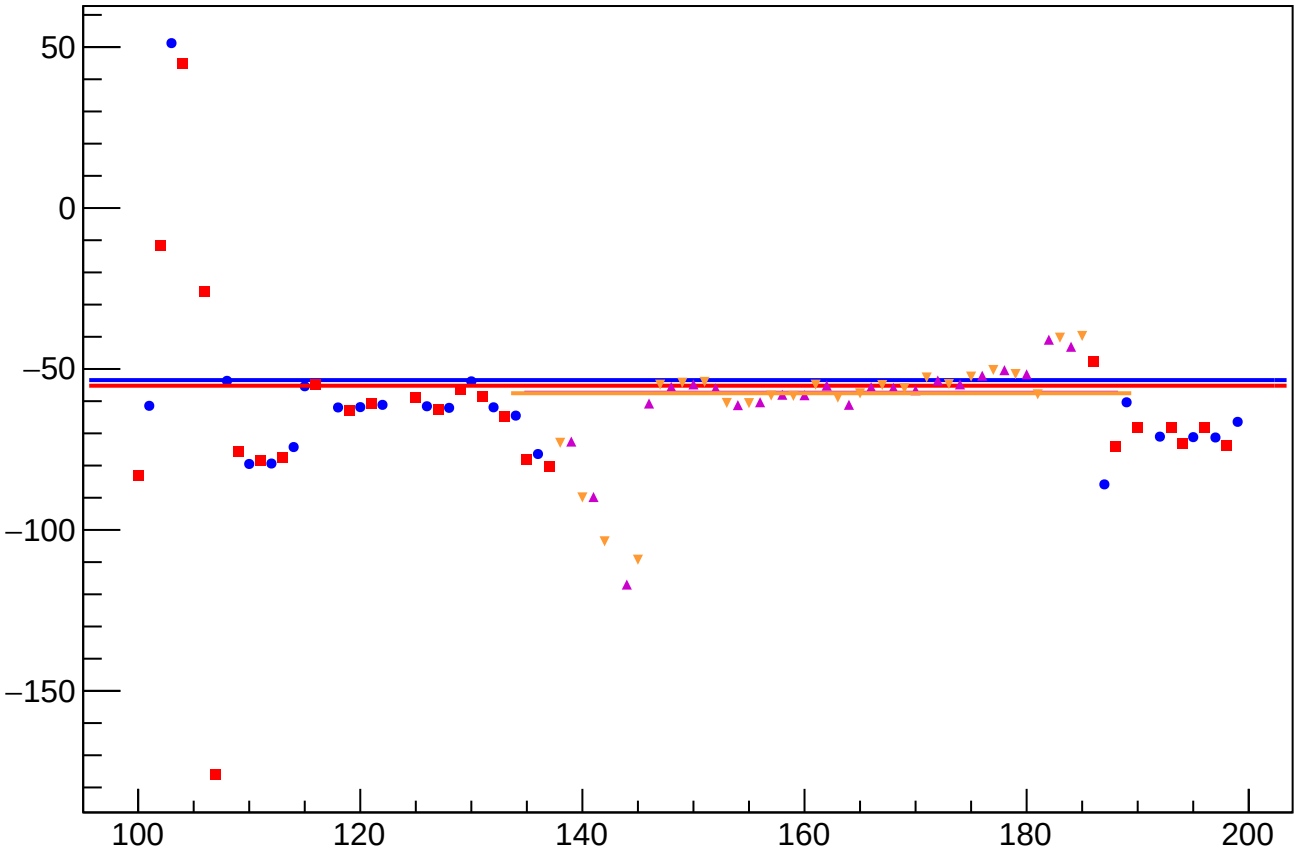
Right Out: -23.037+/-0.892 χ^2/NDF: 940.4/24

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.460+/-0.470 χ^2/NDF: 2381.1/45

All: -4.174+/-0.332 χ^2/NDF: 4749.7/93

\- sign -4.883+/-0.469 χ^2/NDF: 2364.0/47



Right In: -53.456+/-0.048 χ^2/NDF: 634483.1/21

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -55.196+/-0.048 χ^2/NDF: 556111.7/24

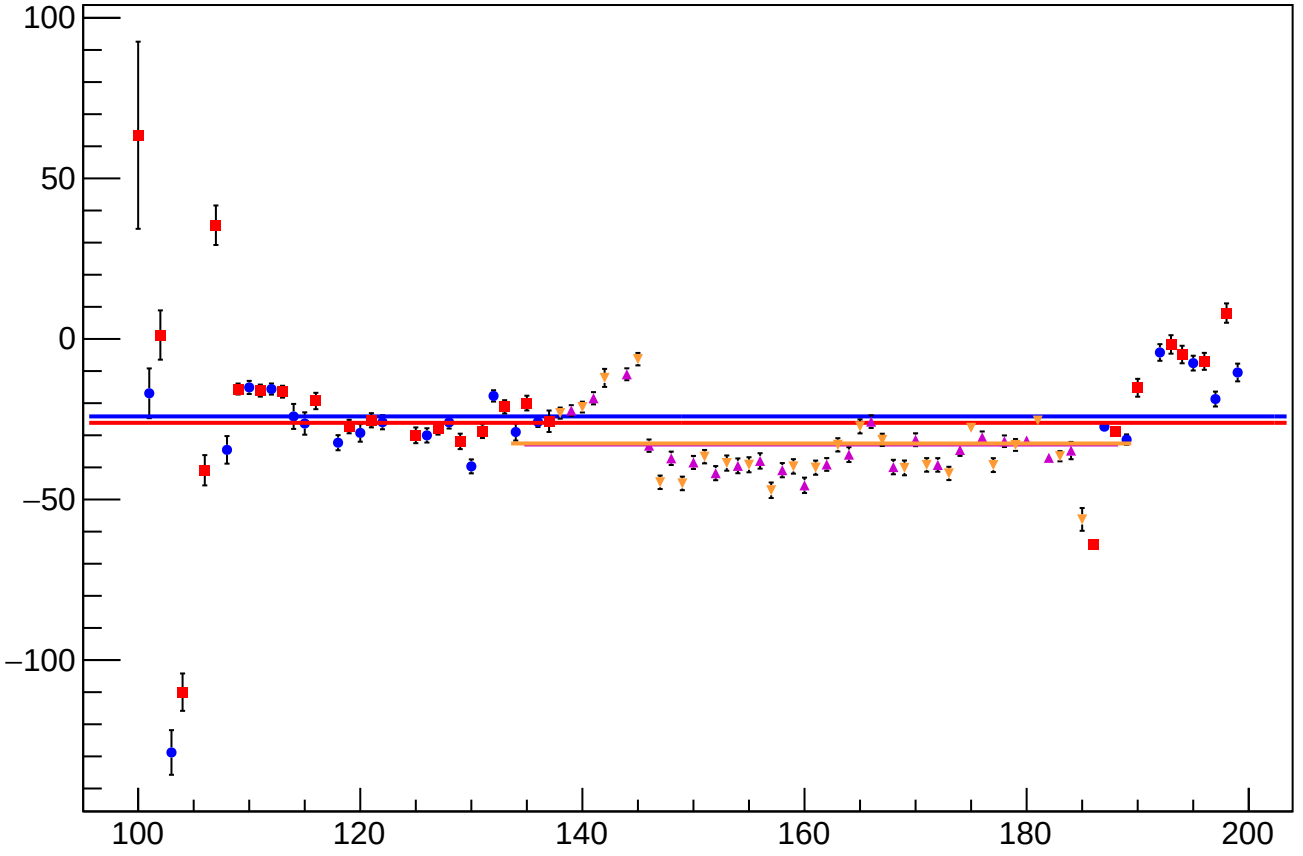
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

\+ sign -56.687+/-0.022 χ^2/NDF: 907130.6/45

All: -56.805+/-0.016 χ^2/NDF: 1692054.2/93

\- 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: -24.123+/-0.477 χ^2/NDF: 536.1/21

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

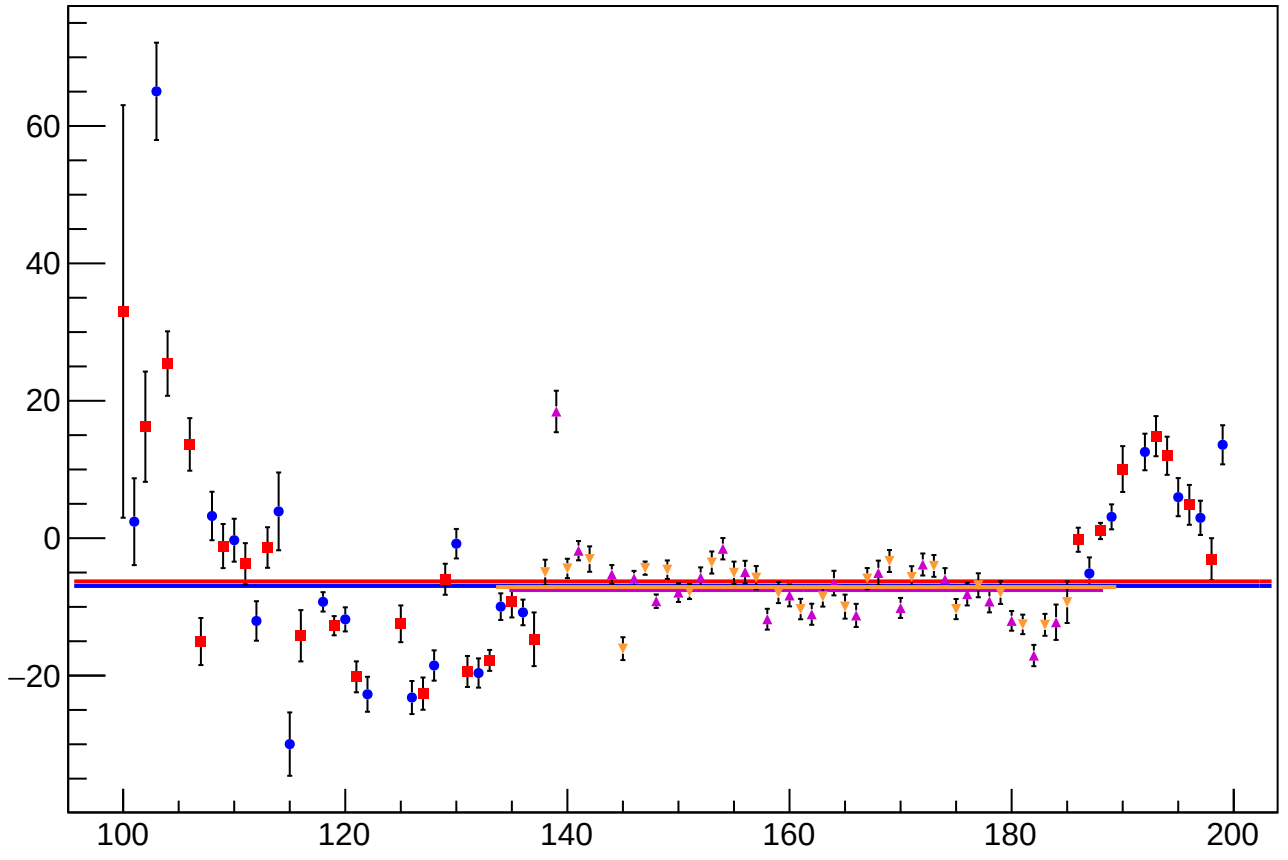
Right Out: -26.120+/-0.427 χ^2/NDF: 1517.7/24

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

\+ sign -29.005+/-0.309 χ^2/NDF: 1320.3/45

All: -29.326+/-0.214 χ^2/NDF: 3342.8/93

\- sign -29.620+/-0.296 χ^2/NDF: 2020.4/47



Right In: -6.949+/-0.512 χ^2/NDF: 496.8/21

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

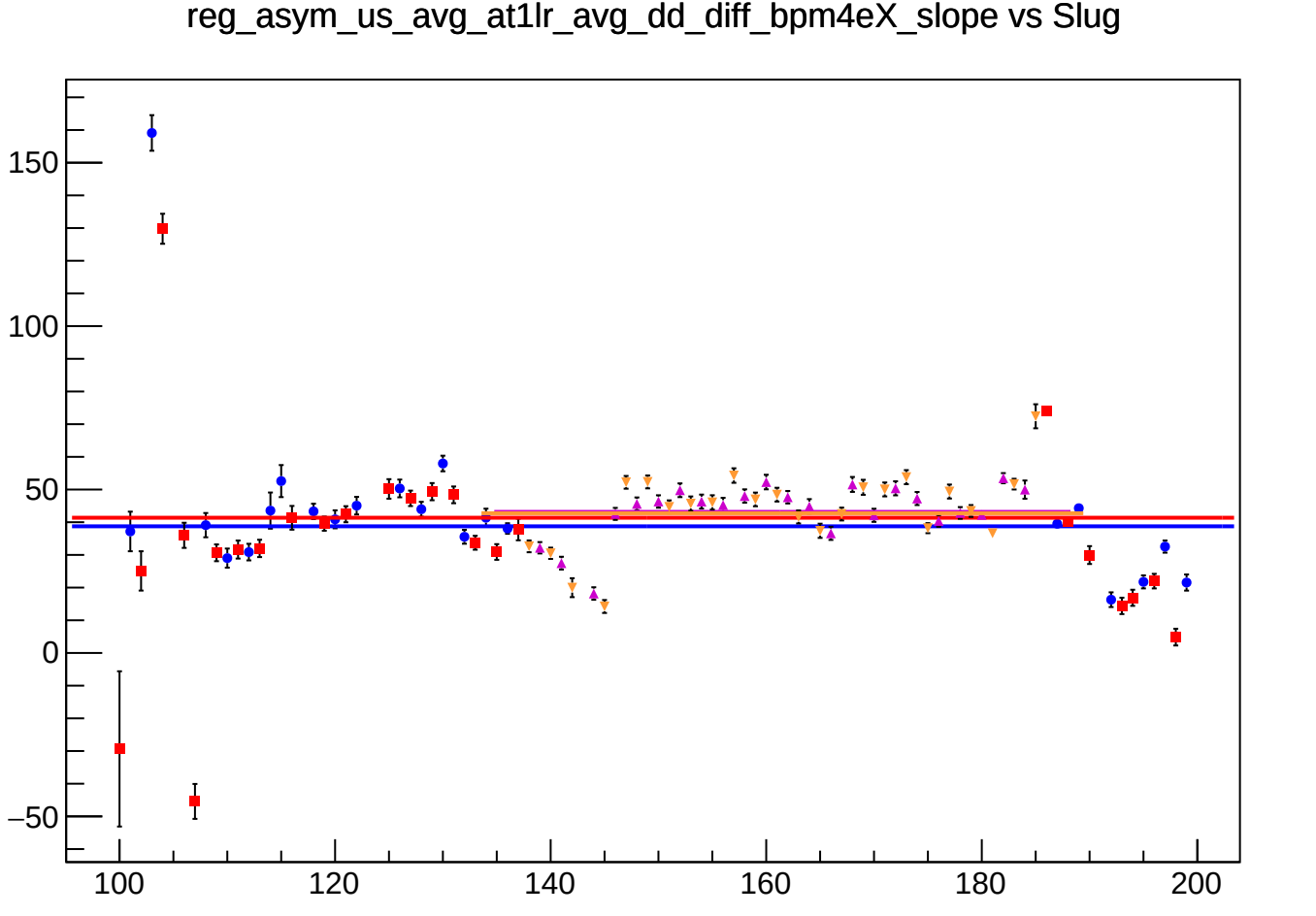
Right Out: -6.293+/-0.481 χ^2/NDF: 495.6/24

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.067+/-0.265 χ^2/NDF: 606.4/45

All: -7.119+/-0.187 χ^2/NDF: 1306.5/93

- sign -7.171+/-0.264 χ^2/NDF: 700.0/47



Right In: 38.748+/-0.480 χ^2/NDF: 868.7/21

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

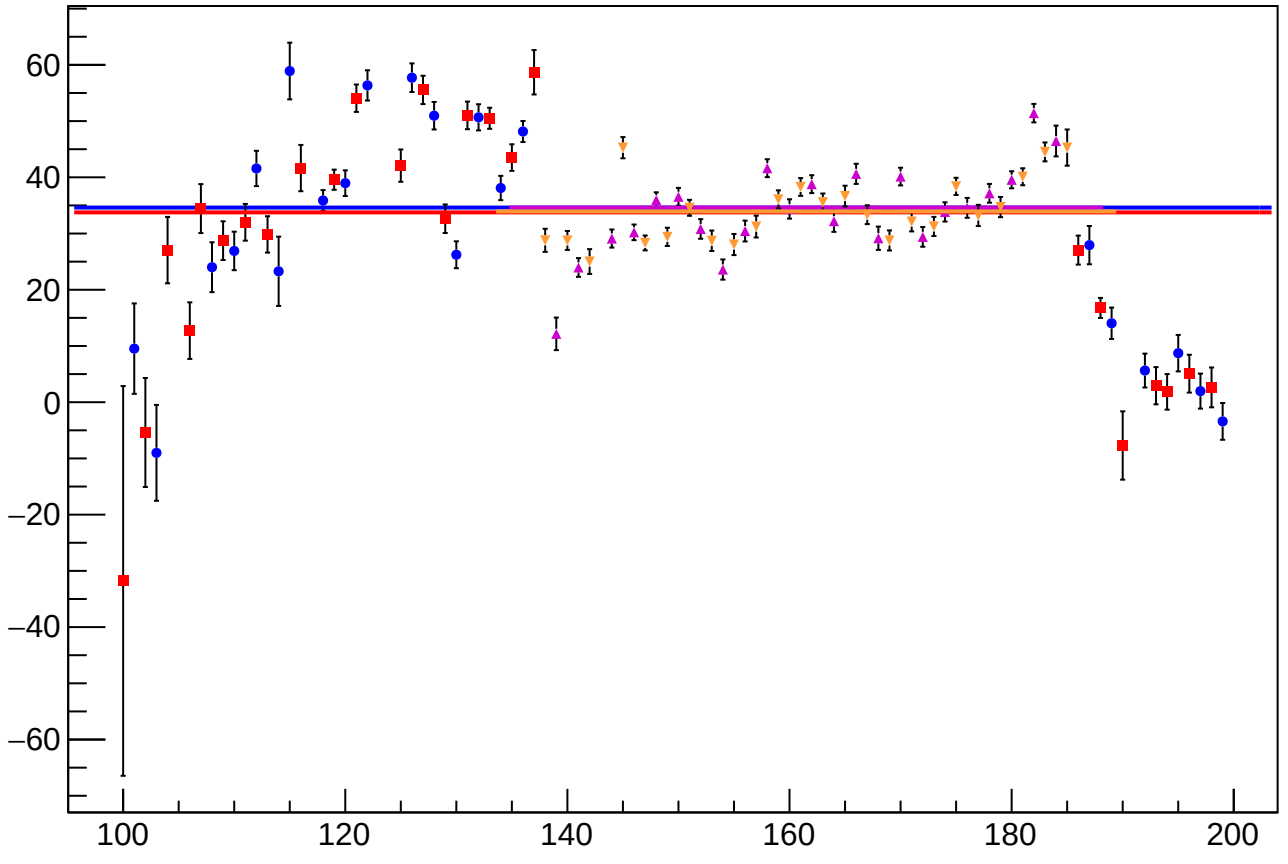
Right Out: 41.374+/-0.412 χ^2/NDF: 2115.5/24

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 41.089+/-0.309 χ^2/NDF: 1540.9/45

All: 41.724+/-0.211 χ^2/NDF: 4086.9/93

- sign 42.282+/-0.290 χ^2/NDF: 2538.1/47



Right In: 34.620+/-0.602 χ^2/NDF: 849.1/21

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

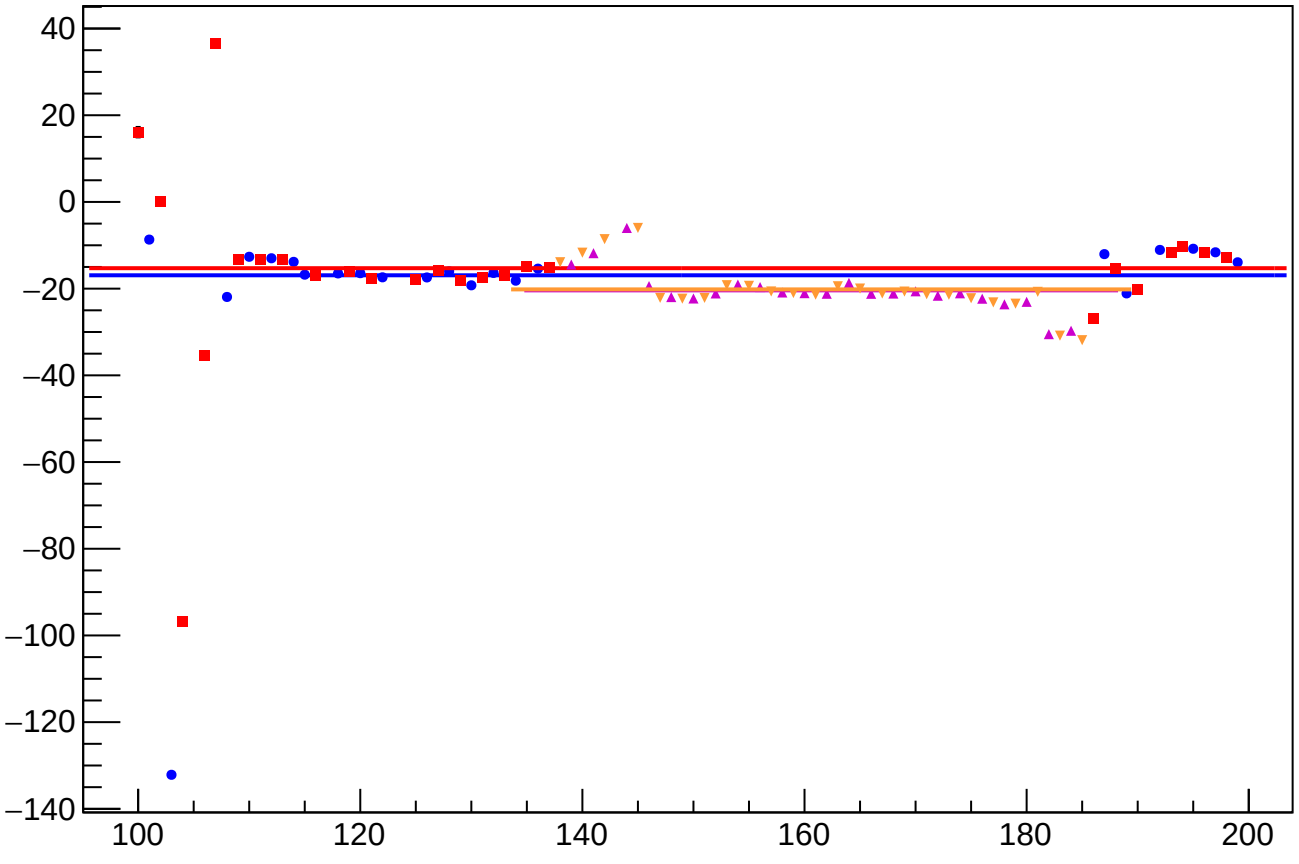
Right Out: 33.762+/-0.585 χ^2/NDF: 878.5/24

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

\+ sign 34.105+/-0.303 χ^2/NDF: 1066.6/45

All: 34.247+/-0.215 χ^2/NDF: 2323.1/93

\- sign 34.390+/-0.304 χ^2/NDF: 1256.1/47



Right In: -16.919+/-0.031 χ^2/NDF: 265356.1/21

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.282+/-0.031 χ^2/NDF: 217140.3/24

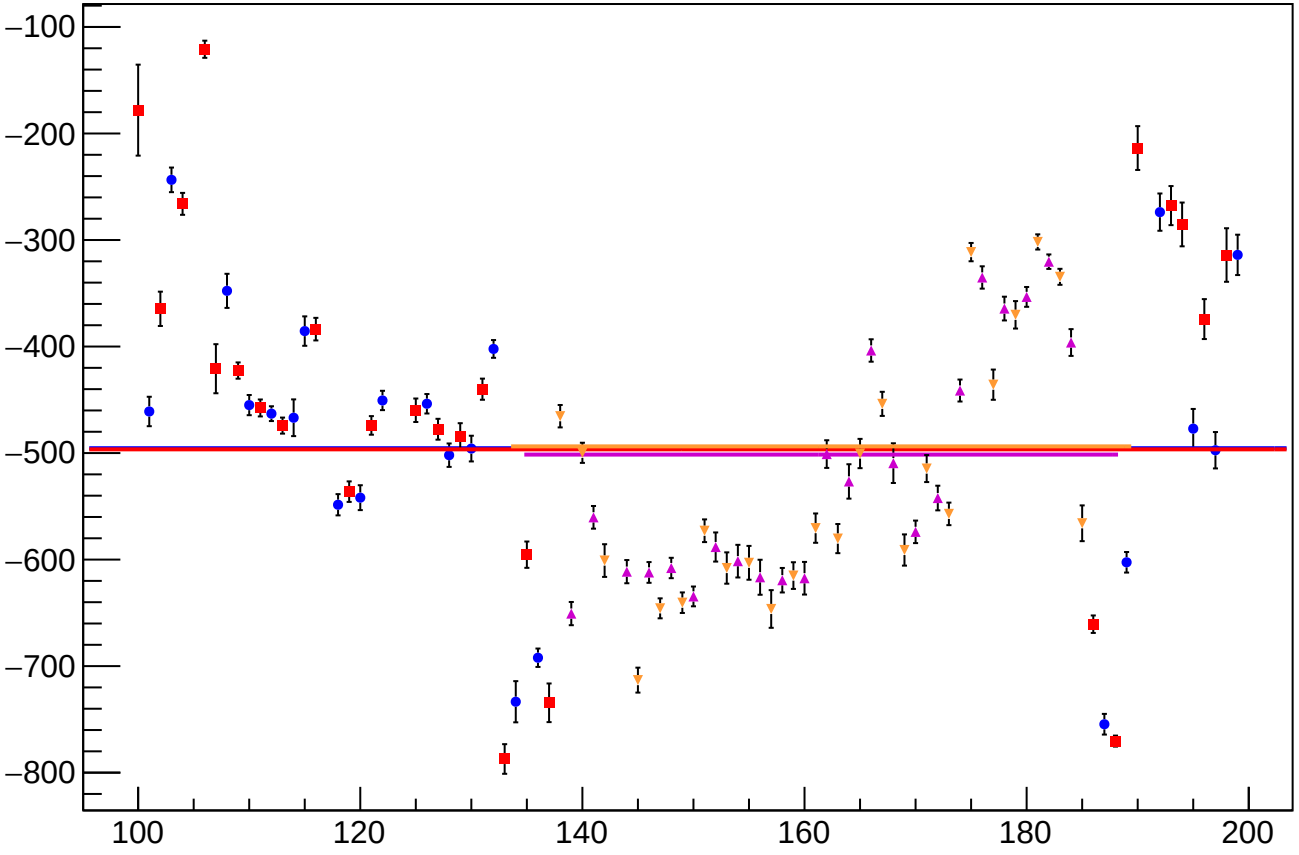
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.490+/-0.014 χ^2/NDF: 374249.1/45

All: -19.404+/-0.010 χ^2/NDF: 694747.4/93

- 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: -495.436+/-2.370 χ^2/NDF: 2647.3/21

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

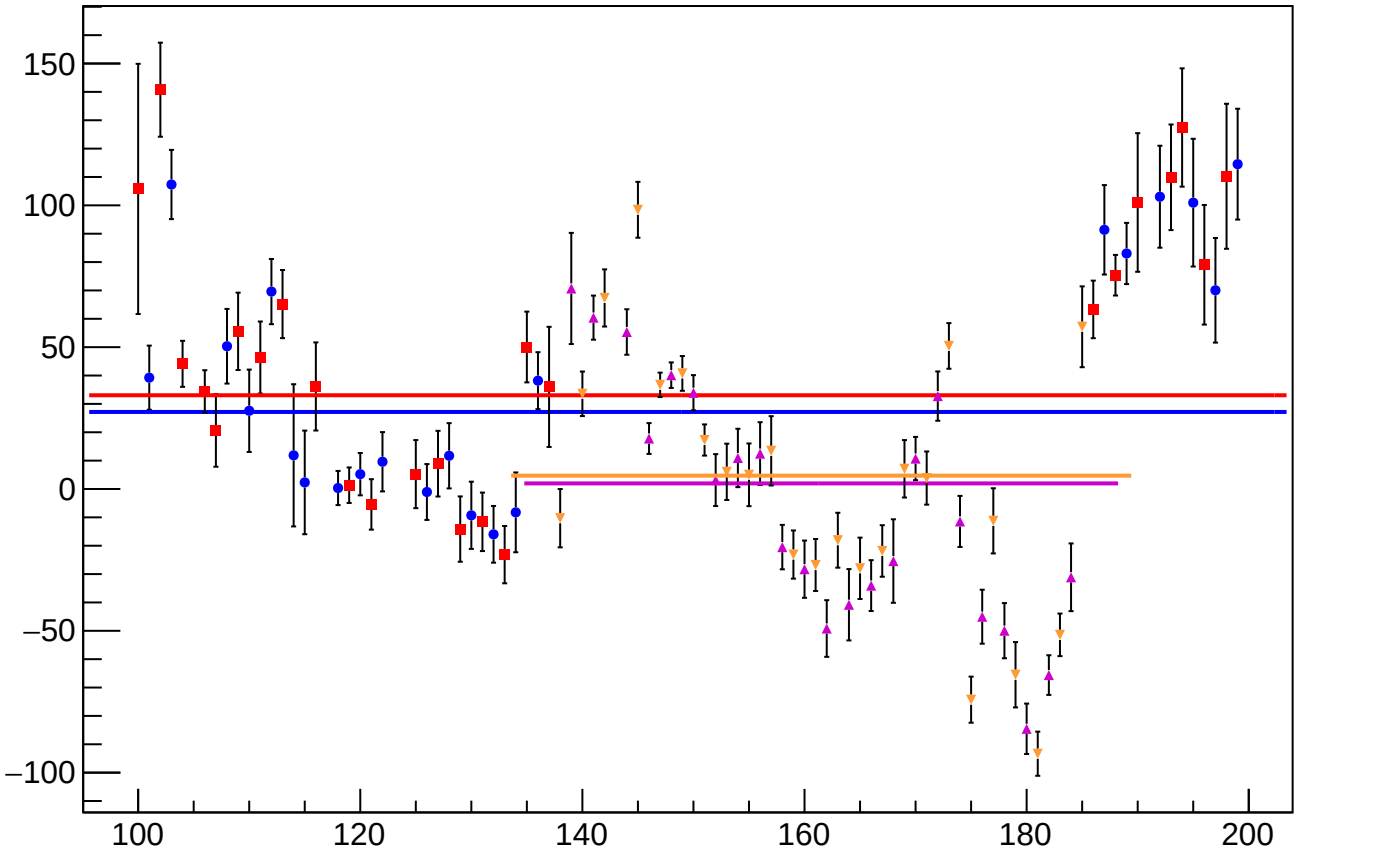
Right Out: -496.511+/-2.089 χ^2/NDF: 7555.9/24

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -494.551+/-1.649 χ^2/NDF: 5797.6/45

All: -496.770+/-1.129 χ^2/NDF: 16048.7/93

- sign -498.725+/-1.548 χ^2/NDF: 10247.7/47



Right In: 27.159+/-2.461 χ^2/NDF: 237.6/21

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 33.048+/-2.271 χ^2/NDF: 284.2/24

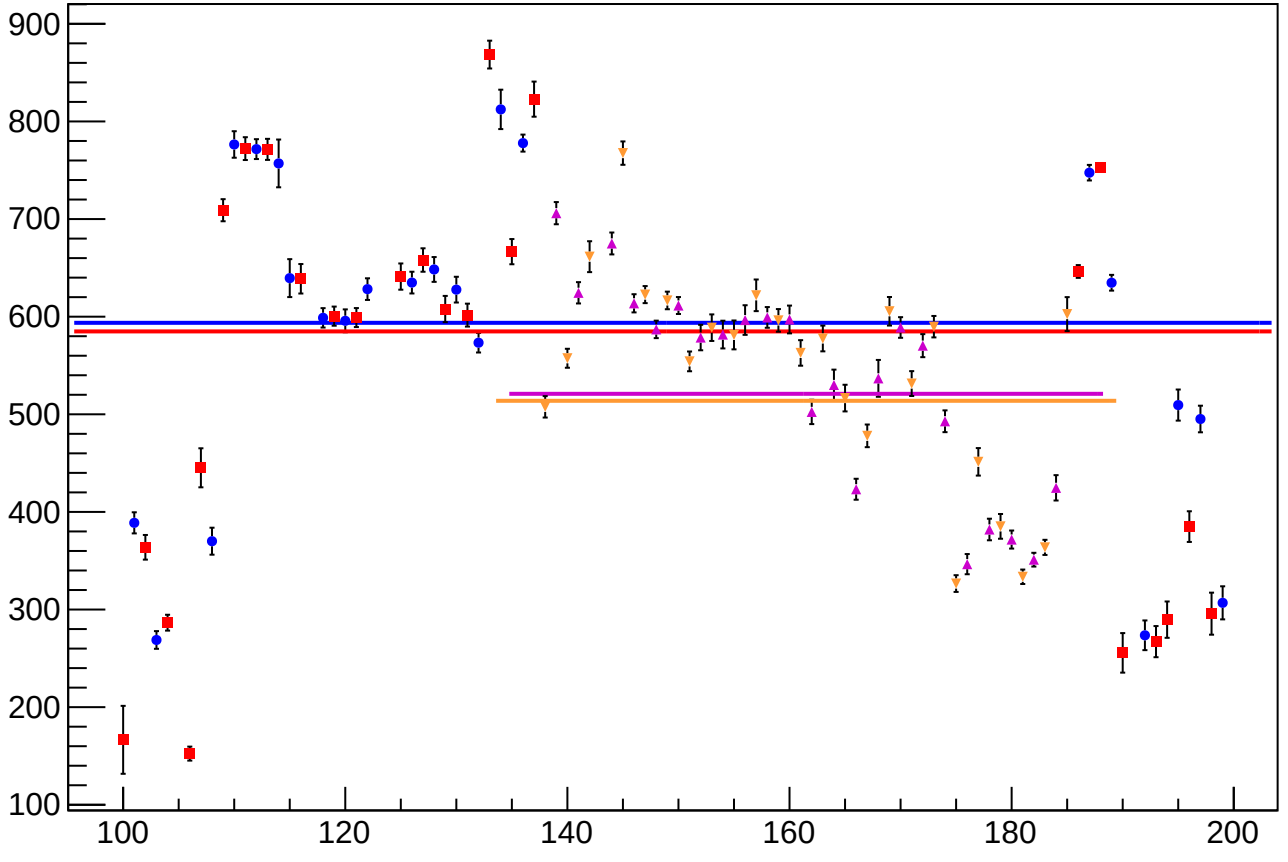
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

\+ sign 11.937+/-1.396 χ^2/NDF: 974.4/45

All: 12.638+/-0.979 χ^2/NDF: 1938.8/93

\- 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: 593.721+/-2.464 χ^2/NDF: 4267.5/21

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

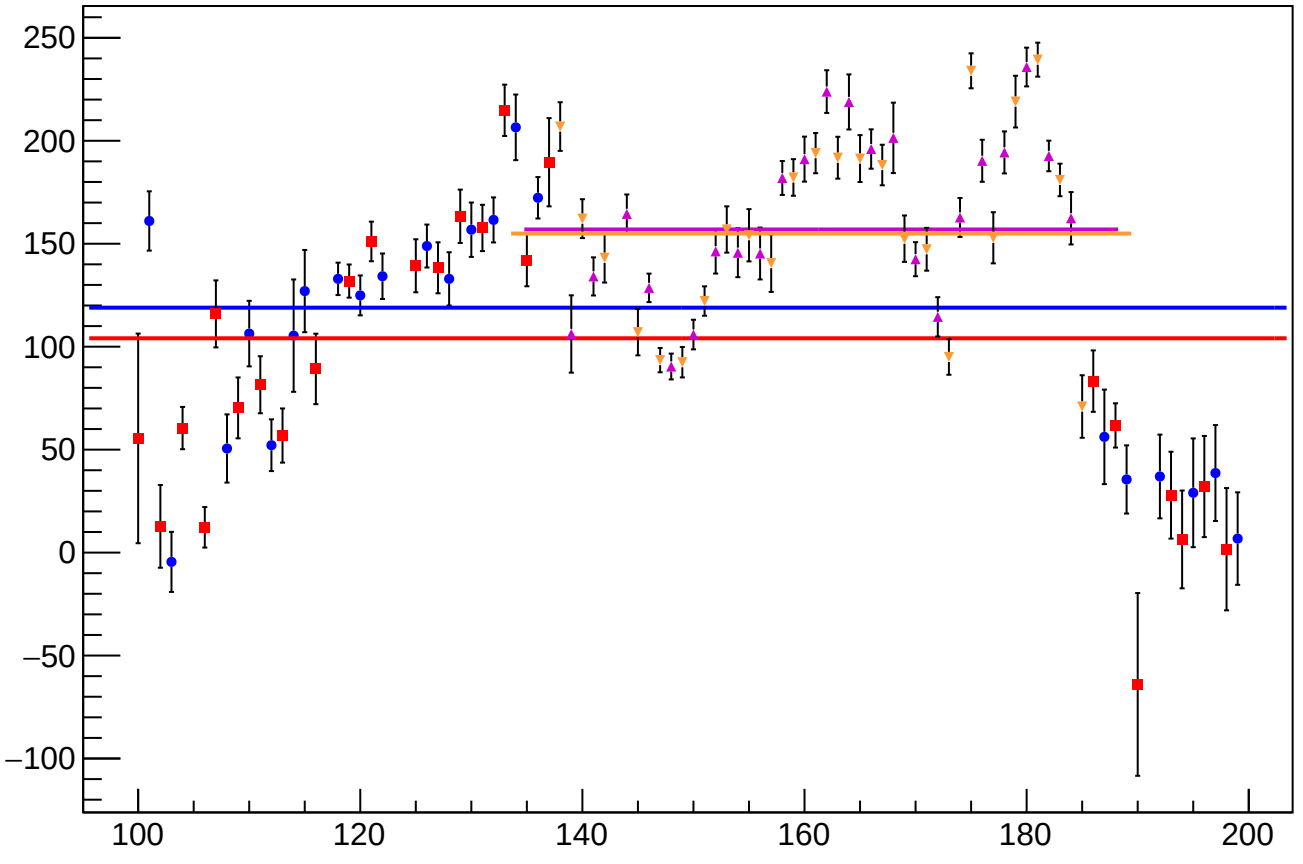
Right Out: 584.905+/-2.087 χ^2/NDF: 9834.5/24

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 550.631+/-1.672 χ^2/NDF: 7570.1/45

All: 553.433+/-1.133 χ^2/NDF: 20279.5/93

- sign 555.811+/-1.540 χ^2/NDF: 12704.2/47



Right In: 118.947+/-2.904 χ^2/NDF: 320.7/21

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

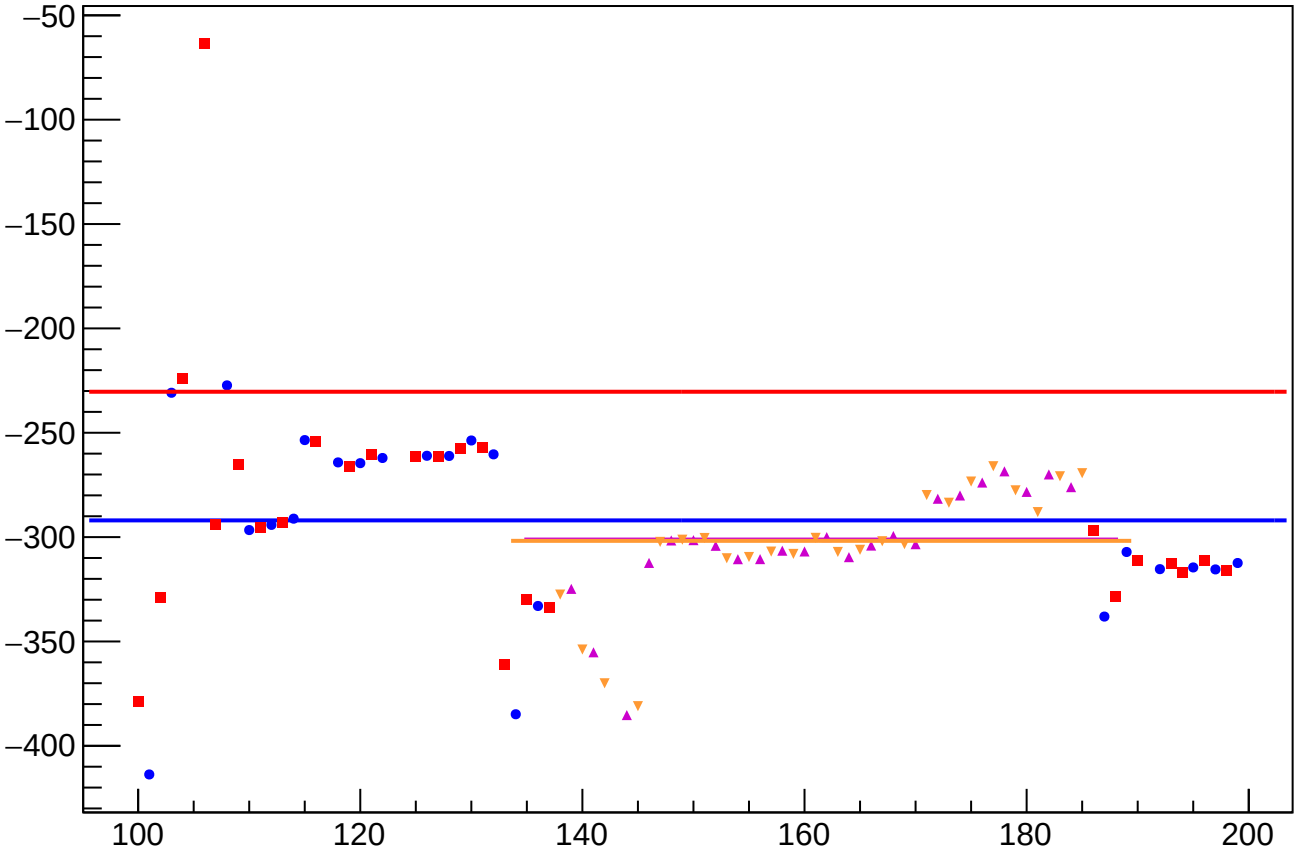
Right Out: 104.083+/-2.738 χ^2/NDF: 429.4/24

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

\+ sign 143.732+/-1.621 χ^2/NDF: 1035.5/45

All: 141.282+/-1.139 χ^2/NDF: 2158.0/93

\- sign 138.894+/-1.600 χ^2/NDF: 1118.0/47



Right In: -291.987+/-0.155 χ^2/NDF: 111638.8/21

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -230.350+/-0.133 χ^2/NDF: 647582.3/24

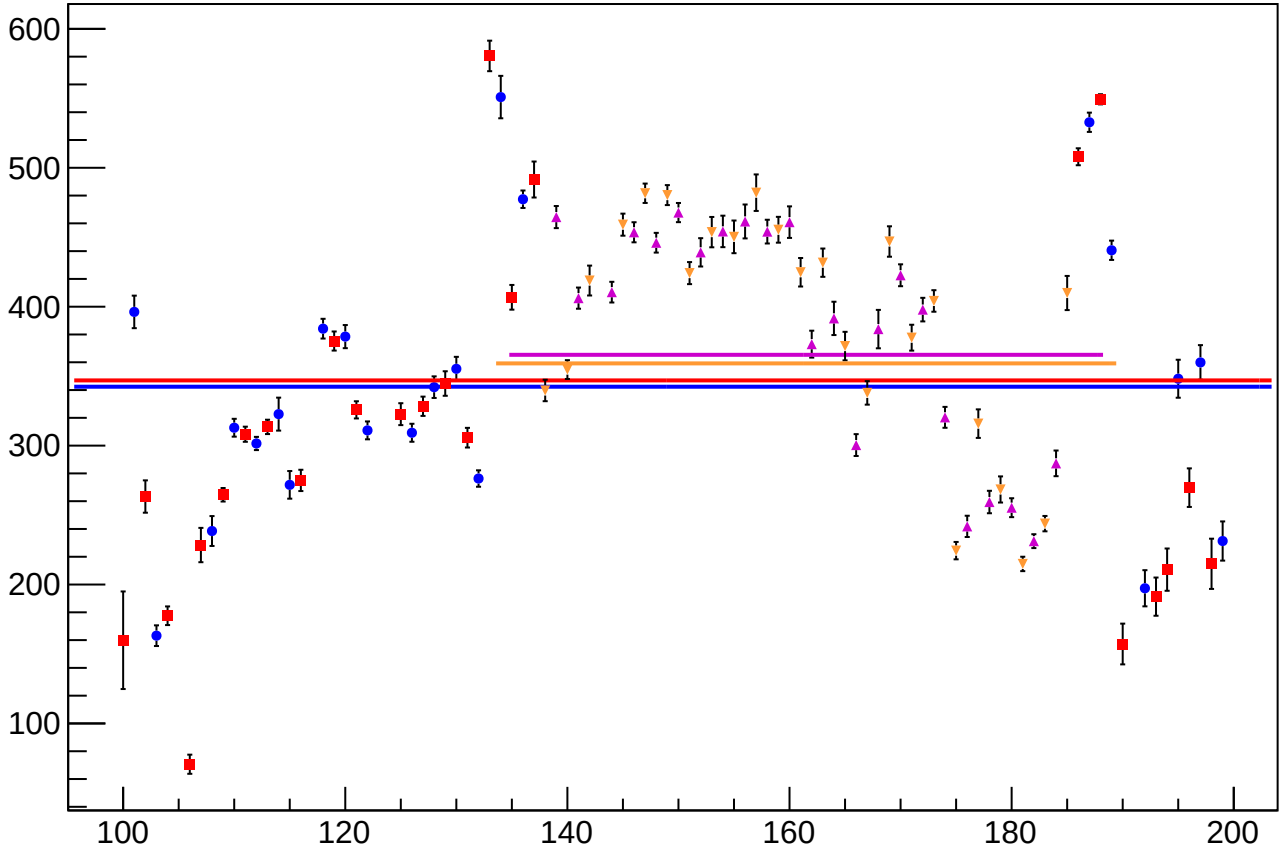
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.271+/-0.078 χ^2/NDF: 201346.9/45

All: -288.532+/-0.054 χ^2/NDF: 1155553.8/93

- 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: 342.403+/-1.680 χ^2/NDF: 2861.0/21

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

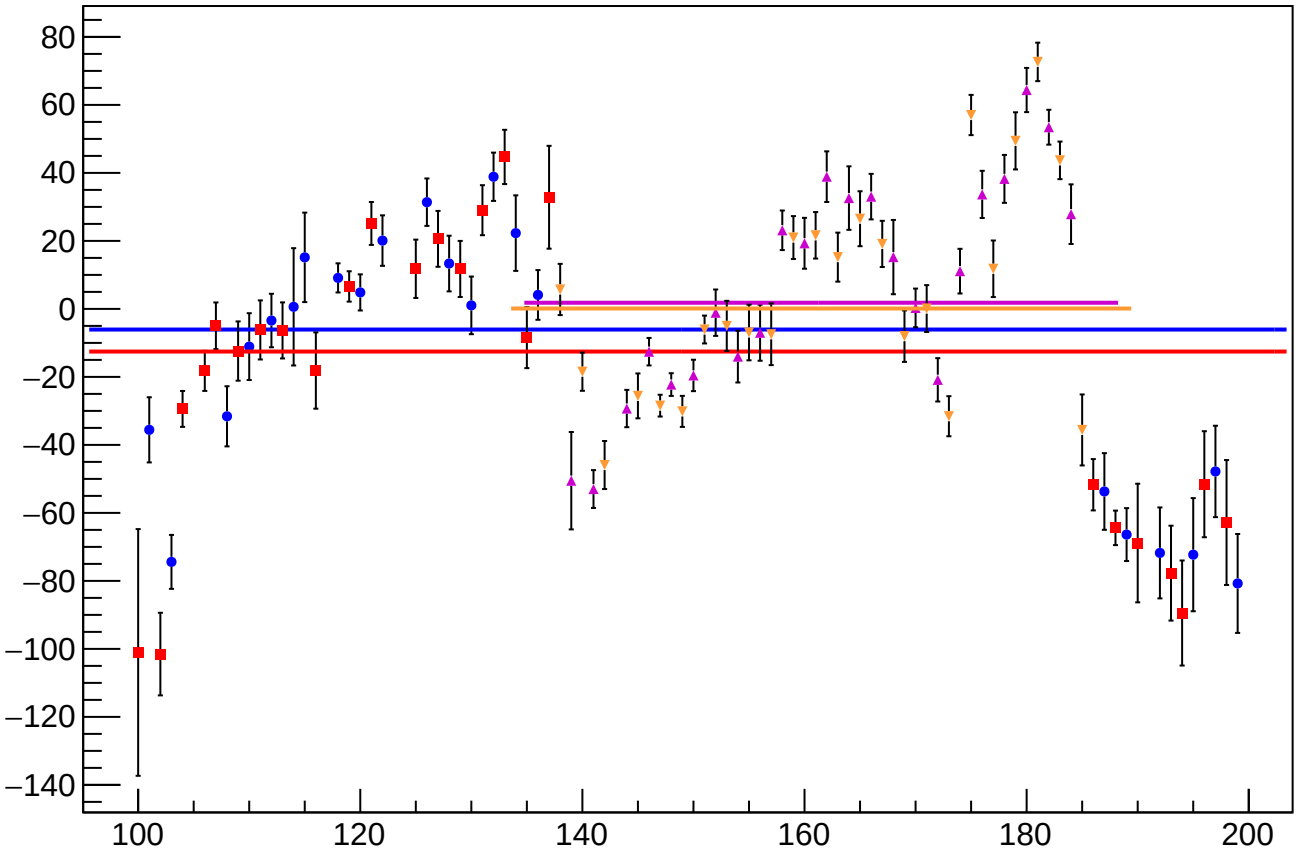
Right Out: 346.944+/-1.480 χ^2/NDF: 7817.5/24

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

\+ sign 350.790+/-1.188 χ^2/NDF: 6098.8/45

All: 352.990+/-0.813 χ^2/NDF: 16729.3/93

\- sign 354.923+/-1.114 χ^2/NDF: 10624.1/47



Right In: -6.070+/-1.759 χ^2/NDF: 361.9/21

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

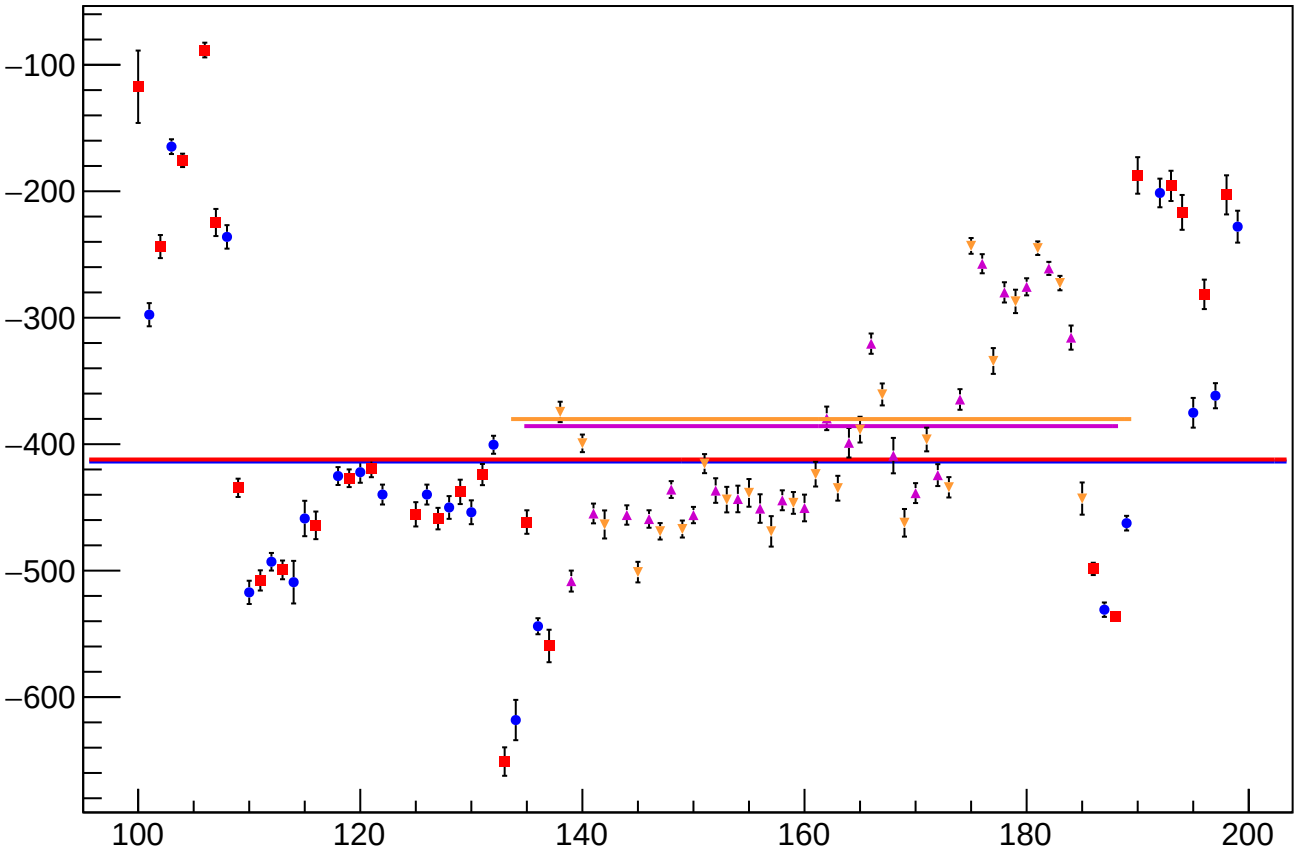
Right Out: -12.542+/-1.606 χ^2/NDF: 455.0/24

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

+ sign -1.954+/-1.017 χ^2/NDF: 1008.1/45

All: -2.844+/-0.711 χ^2/NDF: 2090.9/93

- sign -3.695+/-0.995 χ^2/NDF: 1081.3/47



Right In: -413.718+/-1.755 χ^2/NDF: 4389.8/21

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

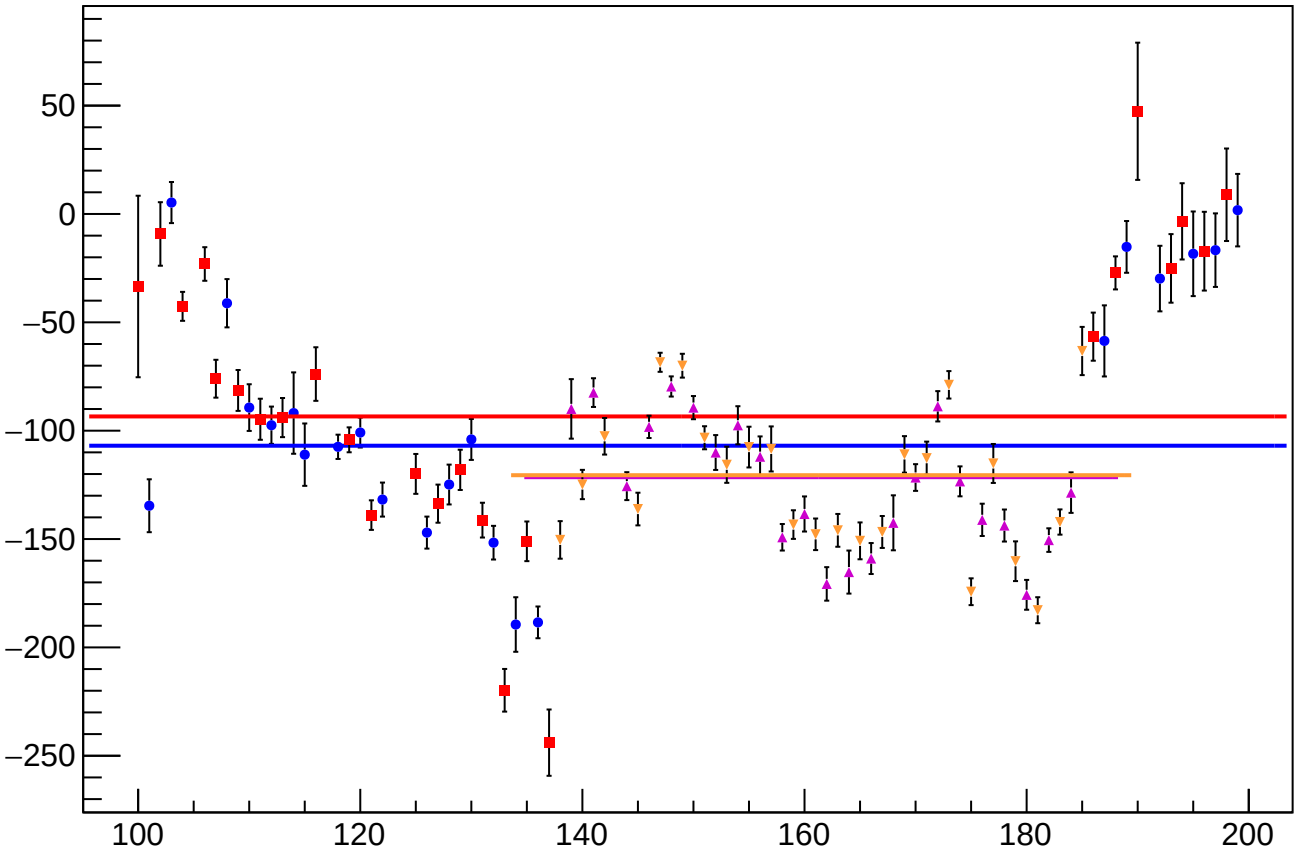
Right Out: -412.116+/-1.487 χ^2/NDF: 10020.8/24

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -396.092+/-1.210 χ^2/NDF: 7200.4/45

All: -398.480+/-0.819 χ^2/NDF: 19728.4/93

- sign -400.499+/-1.113 χ^2/NDF: 12520.8/47



Right In: -106.936+/-2.074 χ^2/NDF: 613.7/21

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

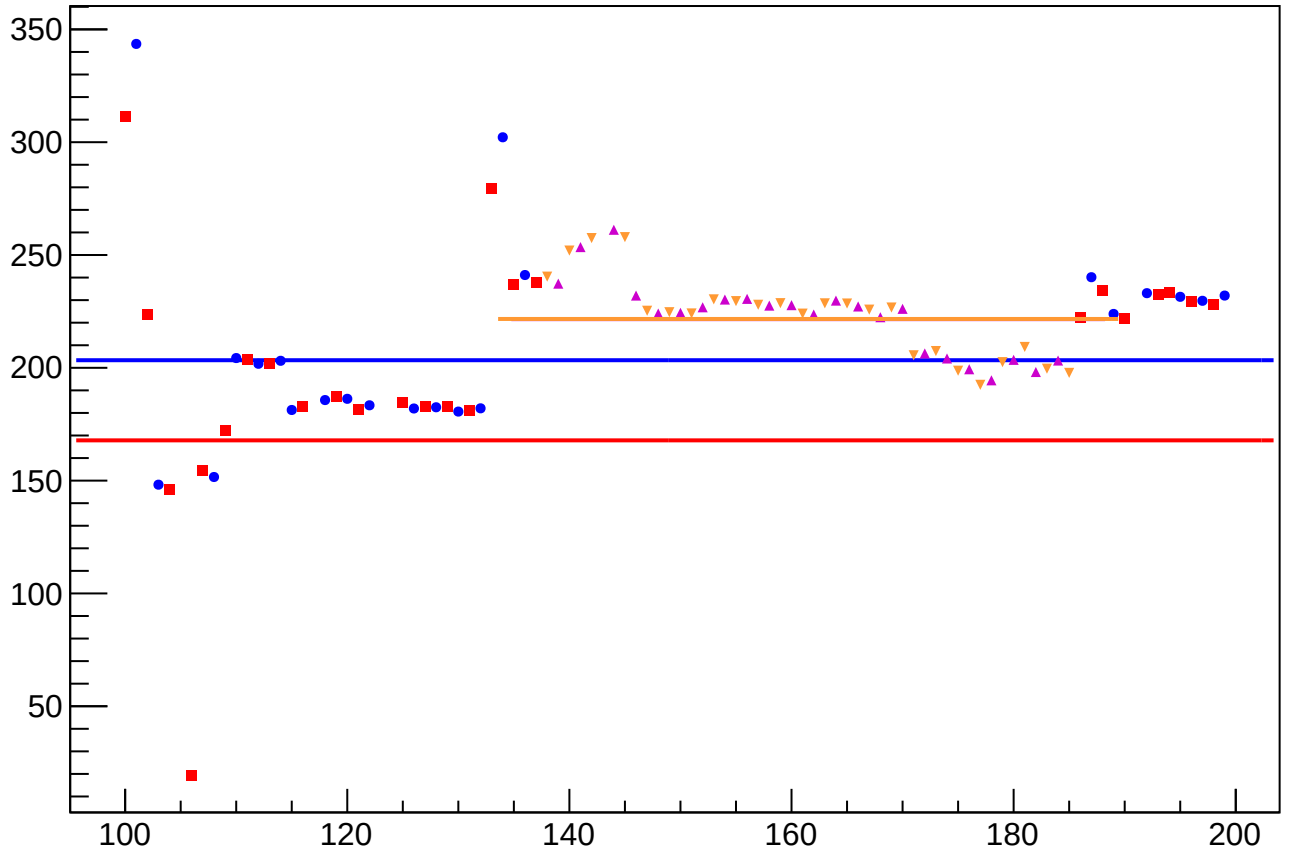
Right Out: -93.425+/-1.933 χ^2/NDF: 796.2/24

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -116.136+/-1.180 χ^2/NDF: 1254.3/45

All: -113.709+/-0.827 χ^2/NDF: 2626.0/93

- sign -111.366+/-1.160 χ^2/NDF: 1363.4/47



Right In: 203.368+/-0.110 χ^2/NDF: 195647.4/21

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

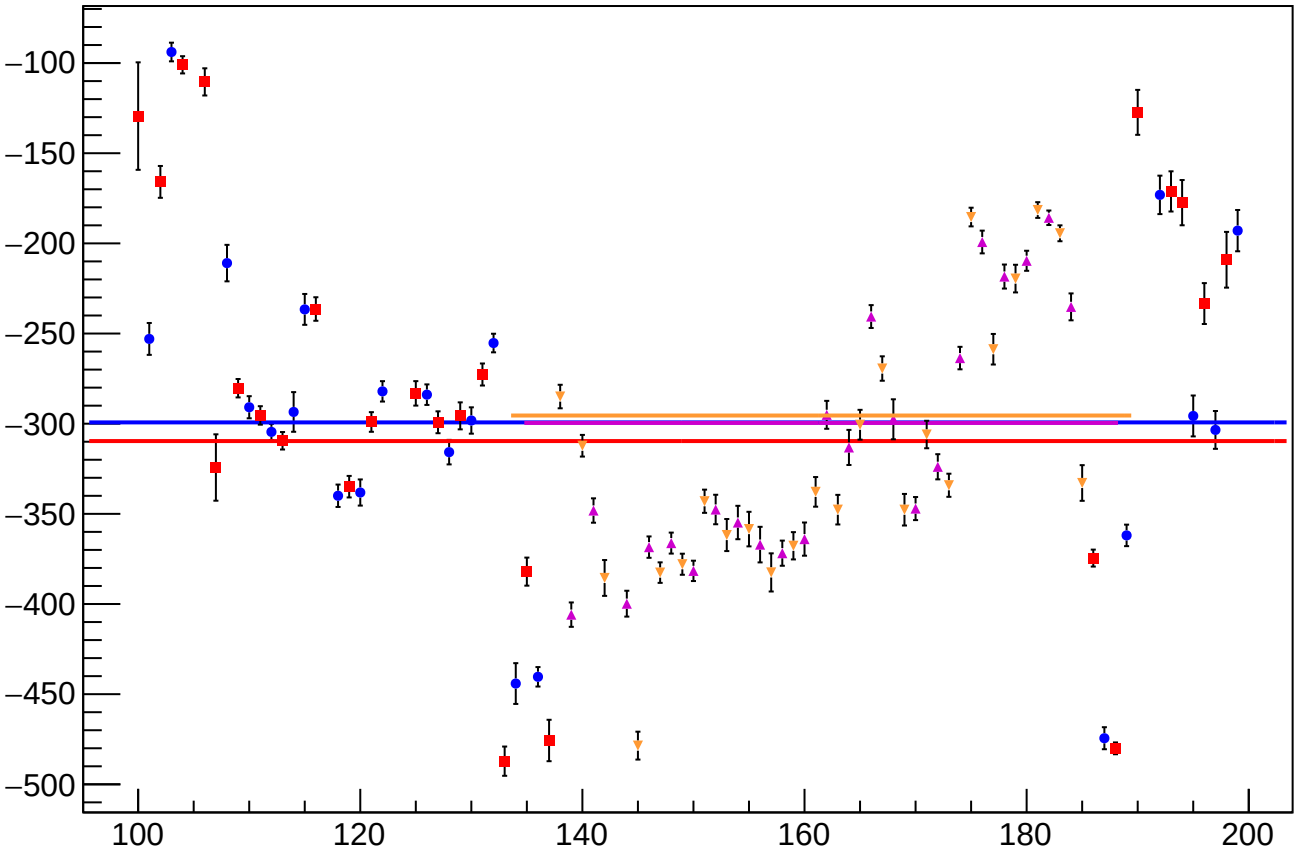
Right Out: 167.845+/-0.098 χ^2/NDF: 611263.9/24

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.720+/-0.057 χ^2/NDF: 283142.9/45

All: 210.481+/-0.040 χ^2/NDF: 1186410.1/93

- sign 204.701+/-0.055 χ^2/NDF: 880170.3/47



Right In: -299.281+/-1.453 χ^2/NDF: 3909.9/21

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -309.635+/-1.306 χ^2/NDF: 7385.5/24

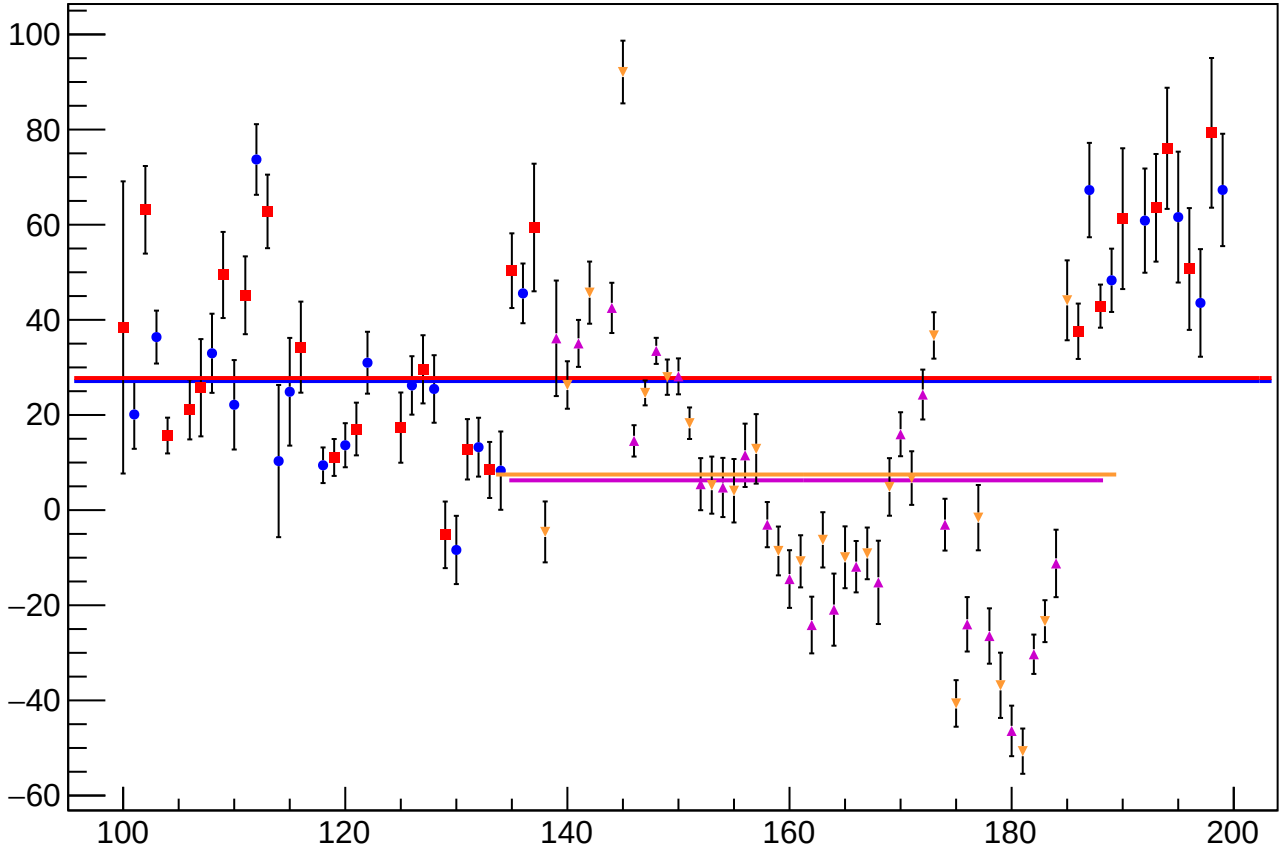
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -297.291+/-1.006 χ^2/NDF: 7259.8/45

All: -301.322+/-0.692 χ^2/NDF: 17675.2/93

- 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: 27.132+/-1.504 χ^2/NDF: 175.6/21

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

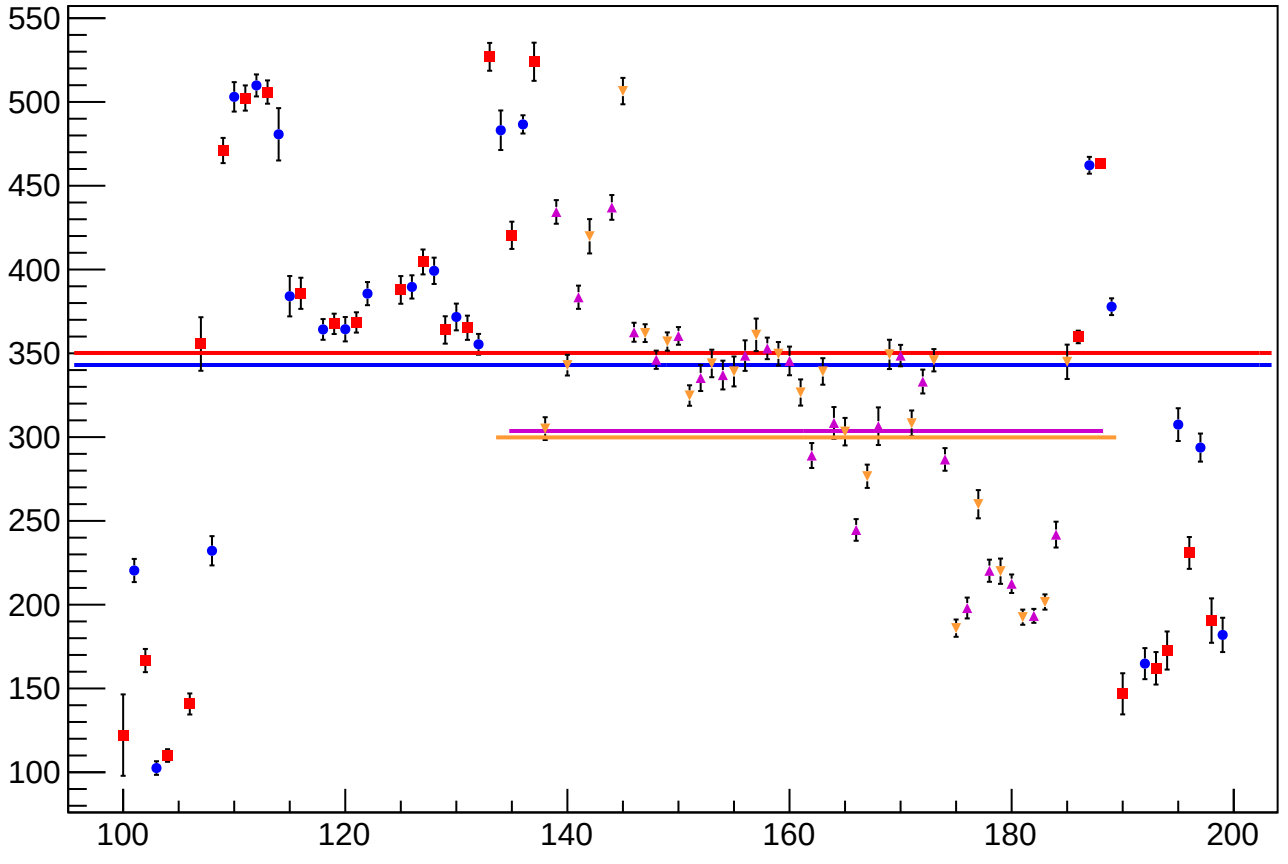
Right Out: 27.767+/-1.397 χ^2/NDF: 191.7/24

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 13.754+/-0.850 χ^2/NDF: 1030.2/45

All: 13.868+/-0.596 χ^2/NDF: 1933.4/93

- sign 13.979+/-0.837 χ^2/NDF: 903.2/47



Right In: 343.032+/-1.486 χ^2/NDF: 7326.6/21

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

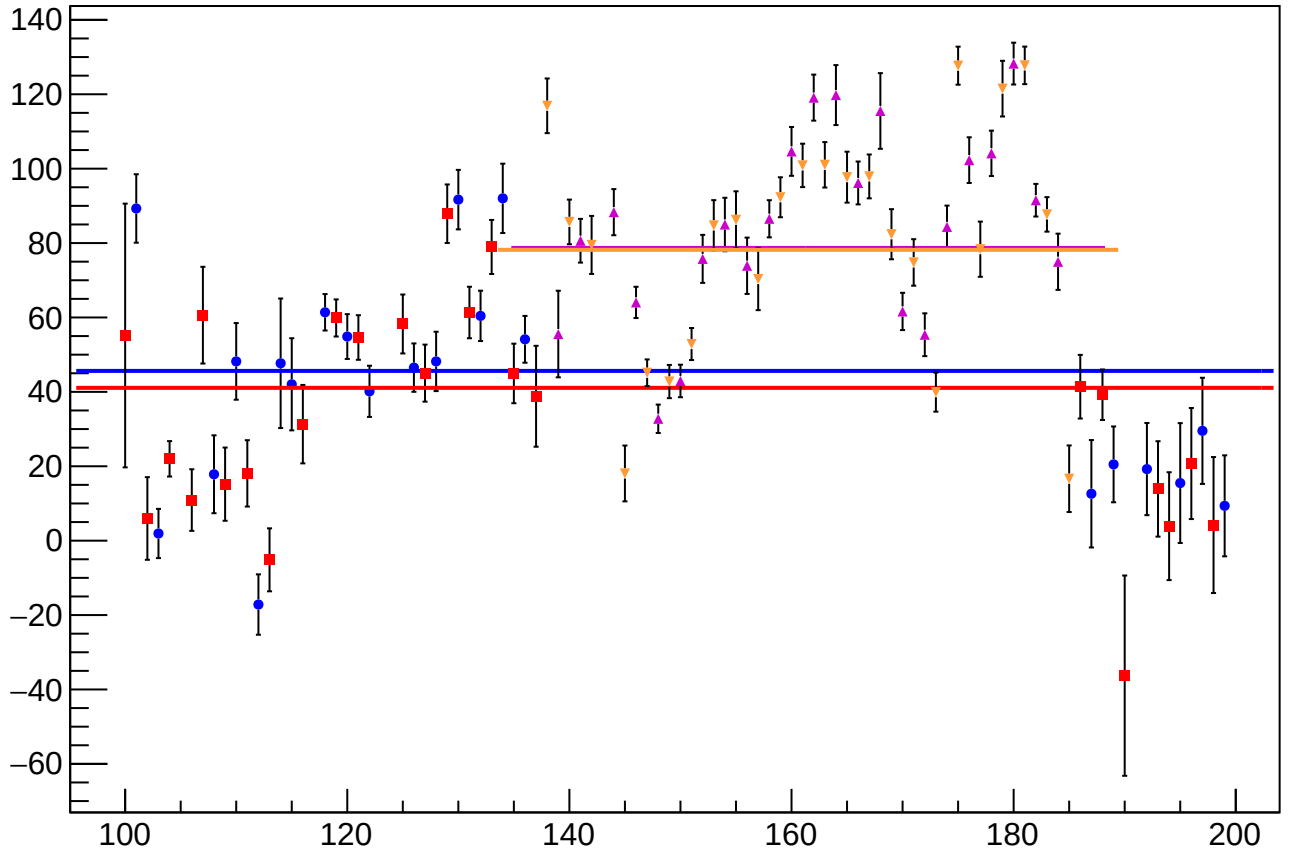
Right Out: 350.209+/-1.285 χ^2/NDF: 11054.5/24

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 319.845+/-1.012 χ^2/NDF: 10856.3/45

All: 324.549+/-0.689 χ^2/NDF: 25431.9/93

- sign 328.623+/-0.941 χ^2/NDF: 14535.3/47



Right In: 45.636+/-1.775 χ^2/NDF: 239.0/21

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

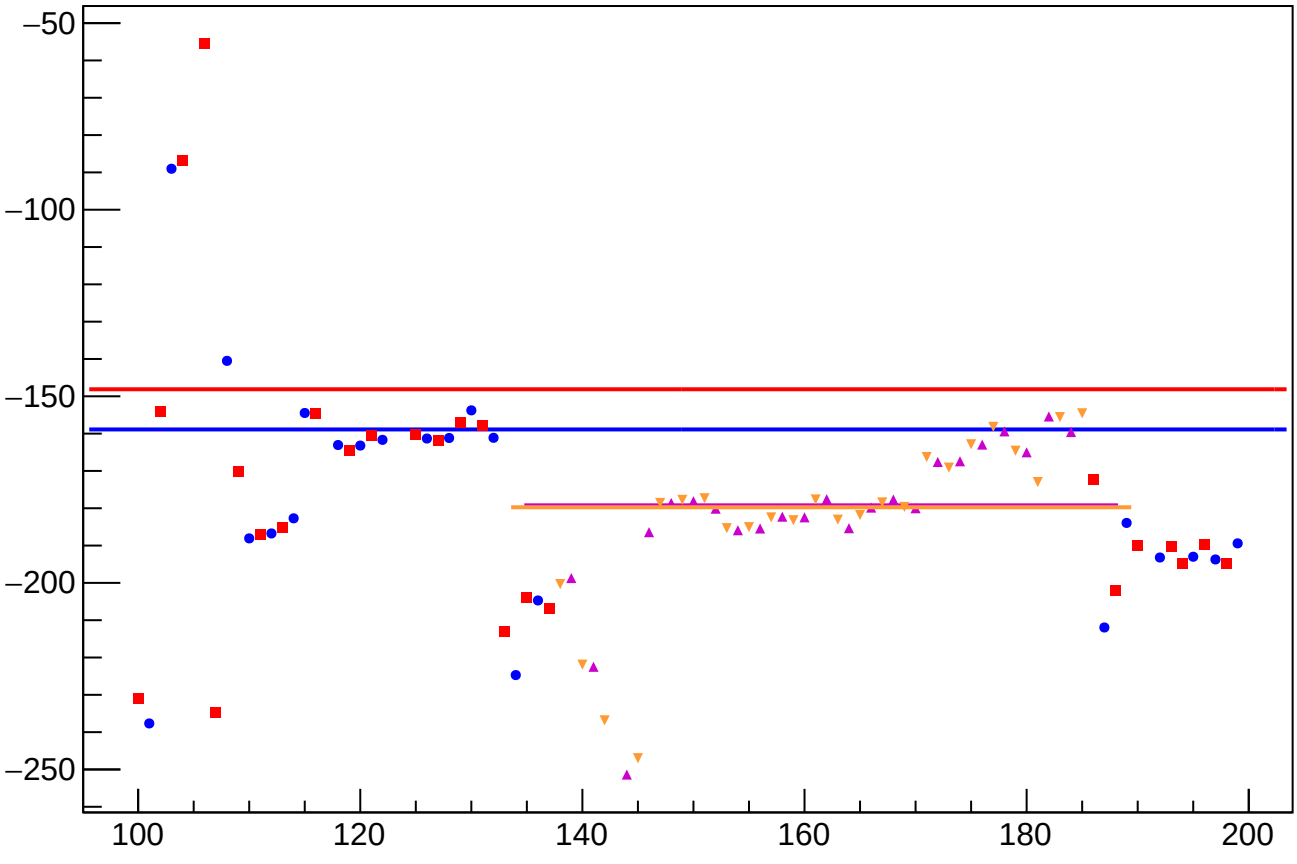
Right Out: 41.083+/-1.684 χ^2/NDF: 206.9/24

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 68.154+/-0.985 χ^2/NDF: 1134.9/45

All: 67.116+/-0.693 χ^2/NDF: 2164.2/93

- sign 66.101+/-0.975 χ^2/NDF: 1027.1/47



Right In: -158.883+/-0.089 χ^2/NDF: 295524.7/21

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

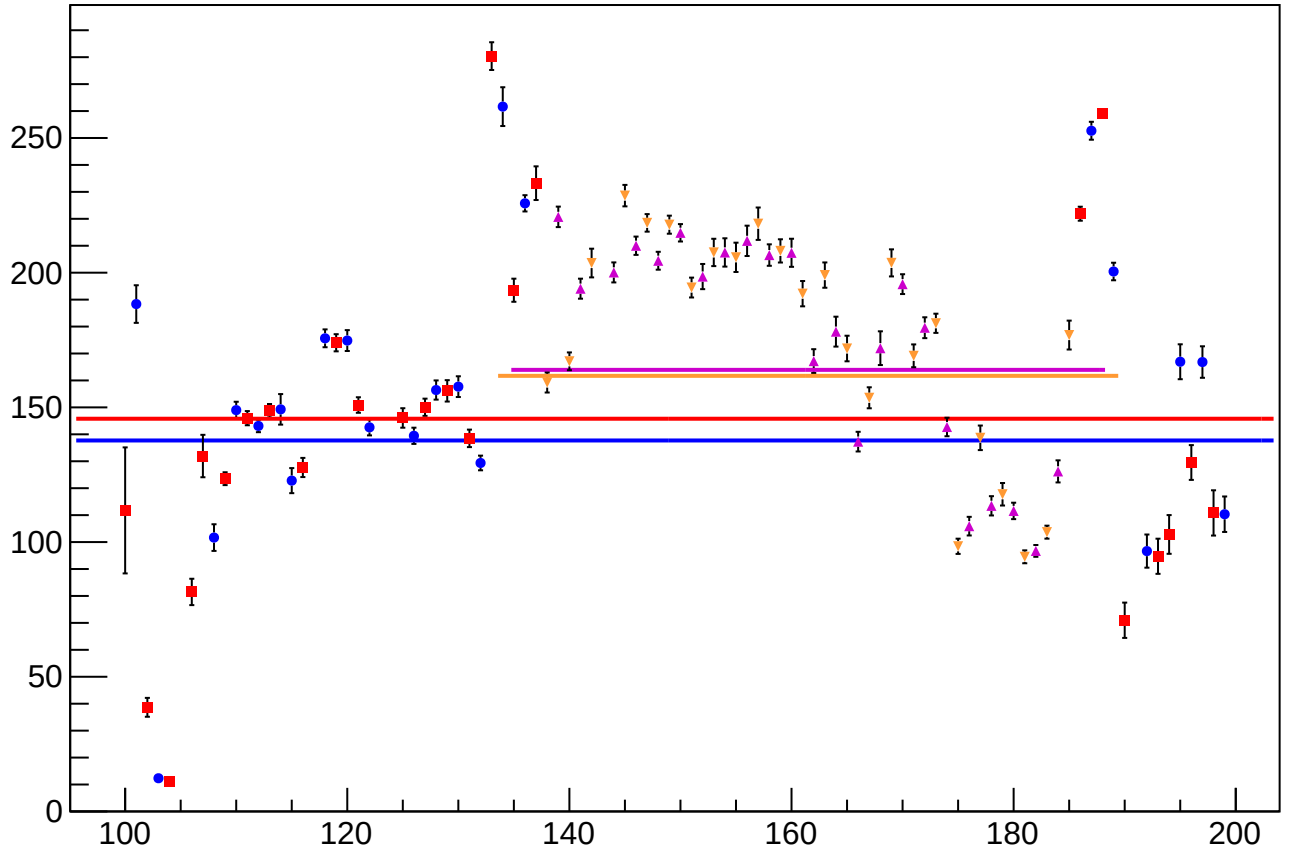
Right Out: -148.117+/-0.085 χ^2/NDF: 397604.7/24

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.989+/-0.047 χ^2/NDF: 467361.0/45

All: -172.044+/-0.033 χ^2/NDF: 1076562.9/93

- sign -170.172+/-0.046 χ^2/NDF: 605811.9/47



Right In: 137.714+/-0.744 χ^2/NDF: 8008.2/21

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

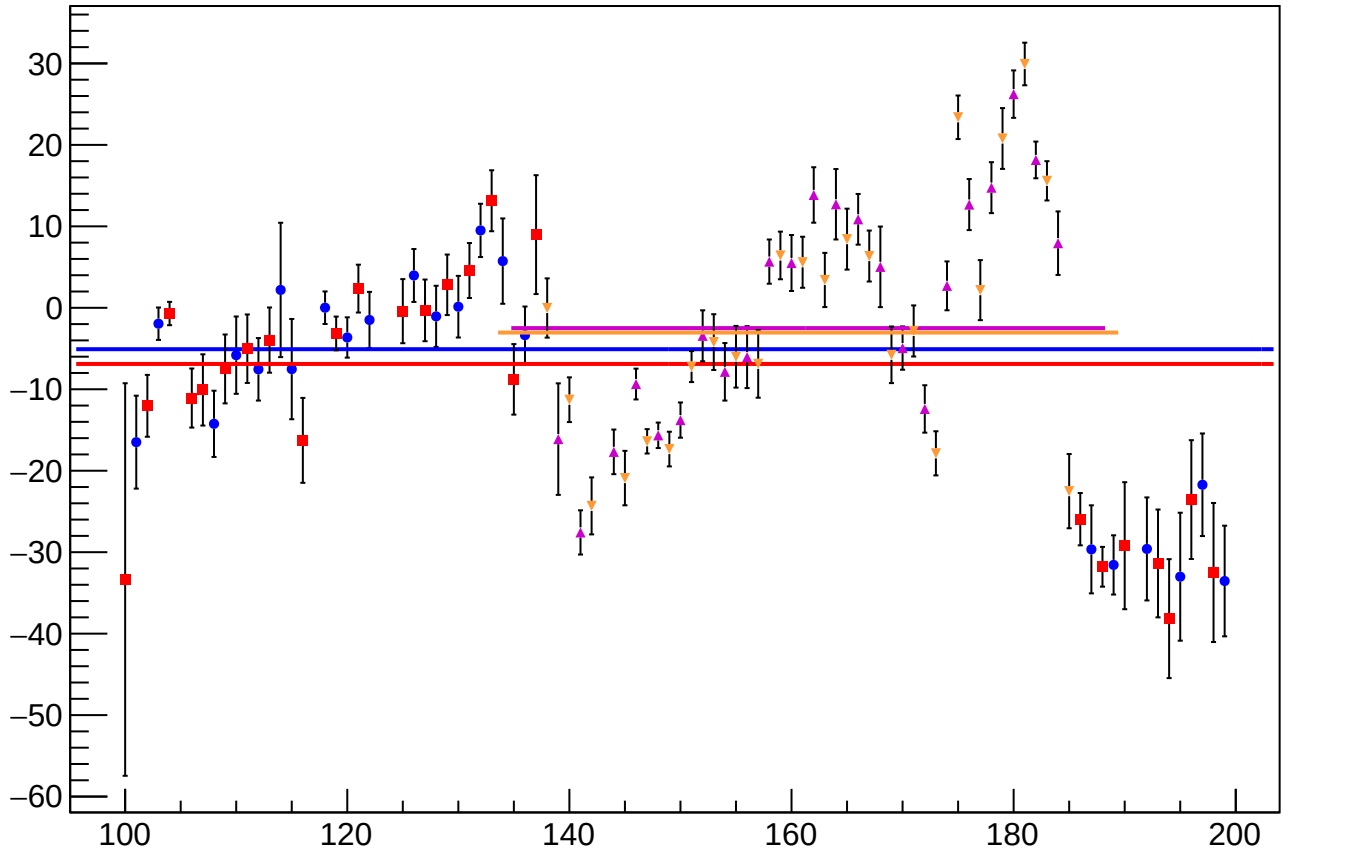
Right Out: 145.785+/-0.668 χ^2/NDF: 13029.7/24

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.197+/-0.537 χ^2/NDF: 12093.7/45

All: 151.454+/-0.369 χ^2/NDF: 28804.8/93

- sign 153.465+/-0.507 χ^2/NDF: 16677.7/47



Right In: -5.081+/-0.781 χ^2/NDF: 182.0/21

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

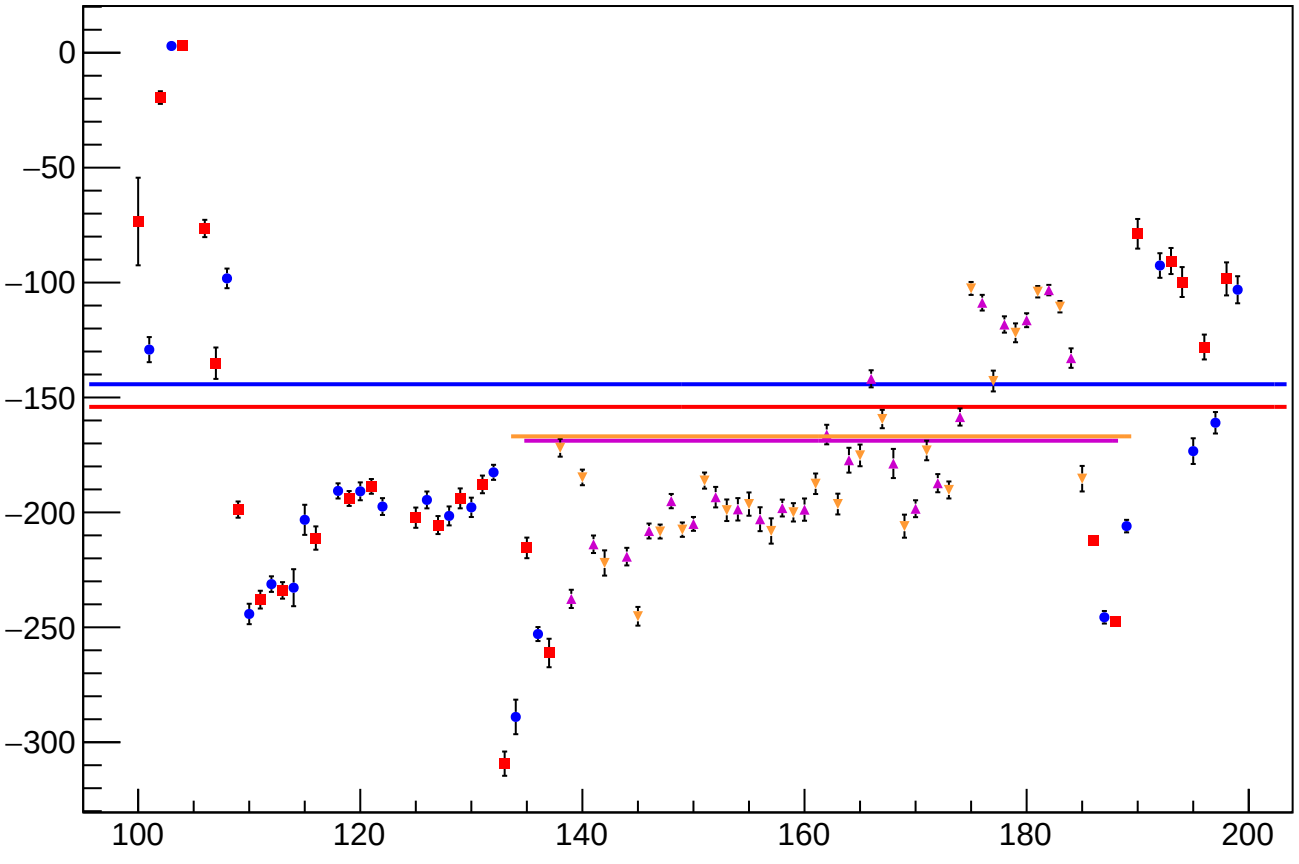
Right Out: -6.892+/-0.700 χ^2/NDF: 292.1/24

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

\+ sign -3.762+/-0.465 χ^2/NDF: 840.9/45

All: -4.044+/-0.323 χ^2/NDF: 1719.8/93

\- sign -4.308+/-0.450 χ^2/NDF: 878.2/47



Right In: -144.240+/-0.744 χ^2/NDF: 17062.0/21

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

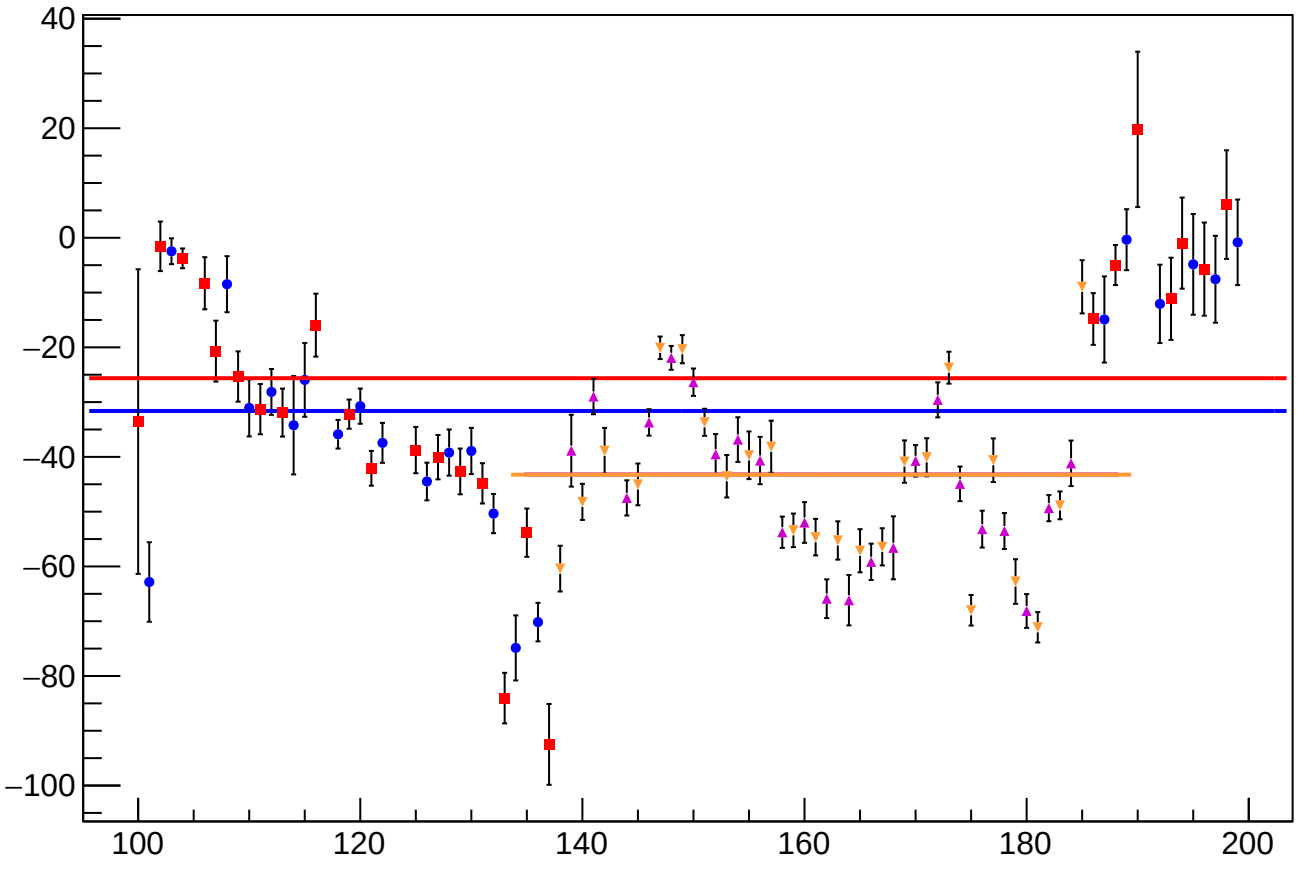
Right Out: -154.087+/-0.648 χ^2/NDF: 23585.4/24

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -155.177+/-0.535 χ^2/NDF: 20606.0/45

All: -157.863+/-0.364 χ^2/NDF: 47510.9/93

- sign -160.174+/-0.497 χ^2/NDF: 26858.1/47



Right In: -31.618+/-0.921 χ^2/NDF: 495.7/21

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

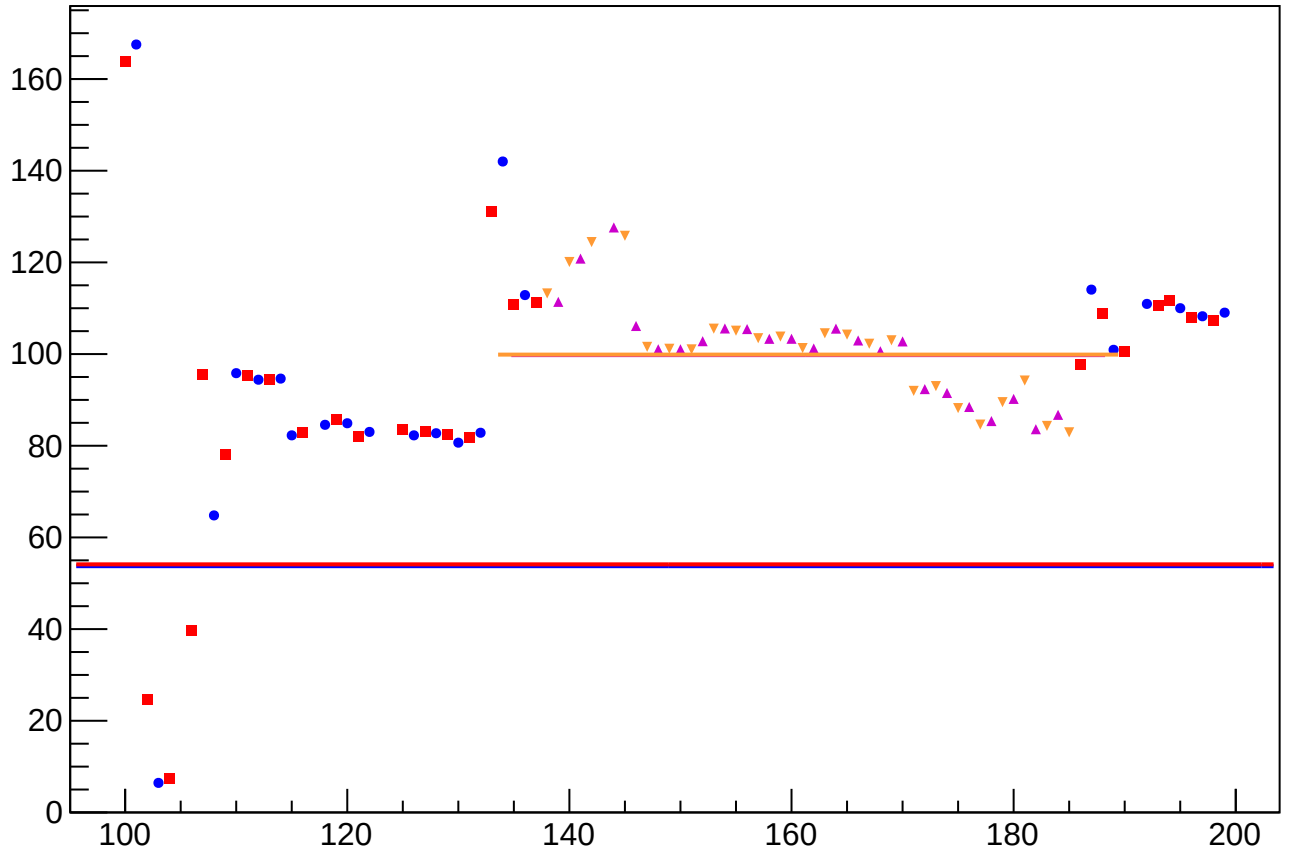
Right Out: -25.637+/-0.846 χ^2/NDF: 653.5/24

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -39.270+/-0.539 χ^2/NDF: 1210.9/45

All: -37.818+/-0.376 χ^2/NDF: 2549.5/93

- sign -36.436+/-0.525 χ^2/NDF: 1324.4/47



Right In: 53.727+/-0.041 χ^2/NDF: 1386117.3/21

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

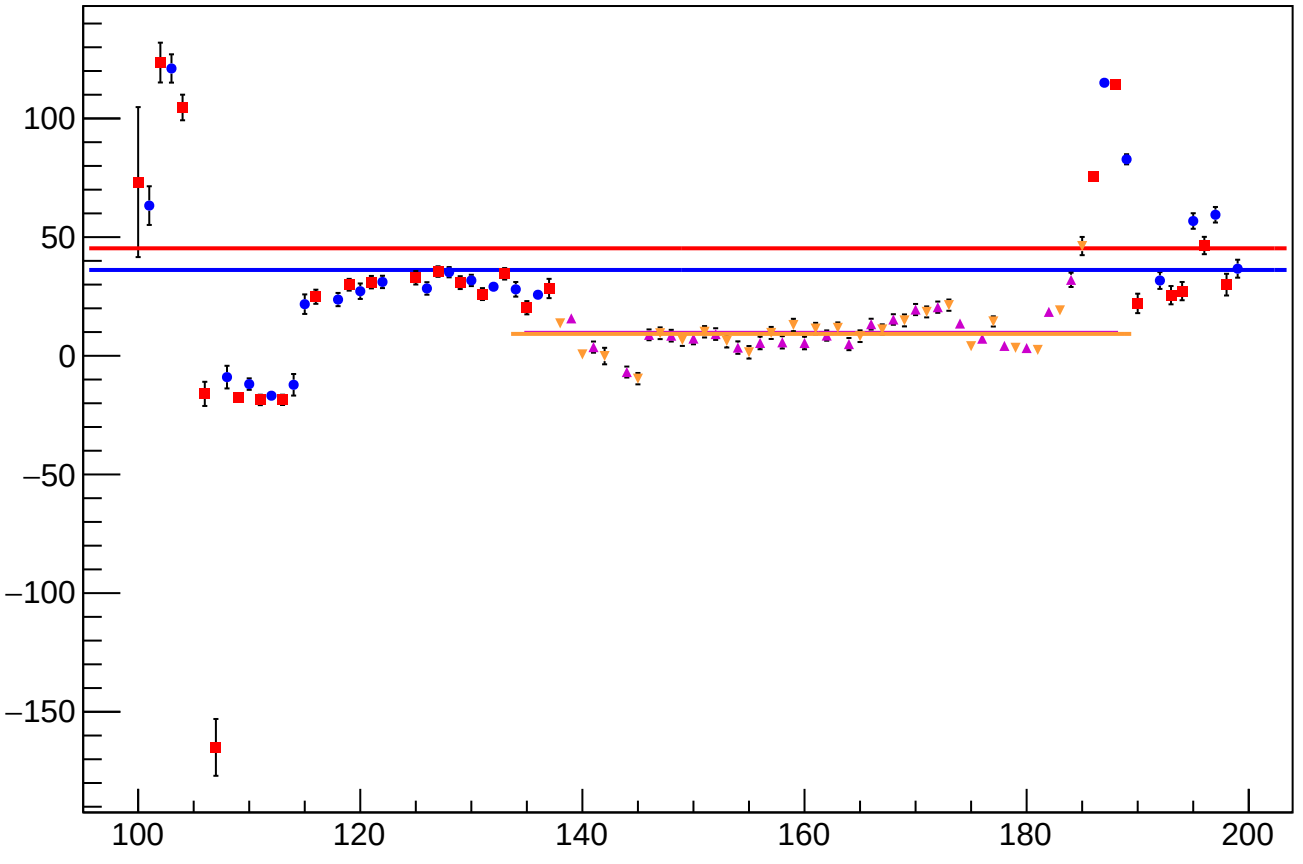
Right Out: 54.127+/-0.041 χ^2/NDF: 1161983.3/24

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 83.507+/-0.025 χ^2/NDF: 2308024.2/45

All: 83.493+/-0.017 χ^2/NDF: 4380021.6/93

- sign 83.480+/-0.025 χ^2/NDF: 2071996.7/47



Right In: 36.166+/-0.584 χ^2/NDF: 3740.3/21

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

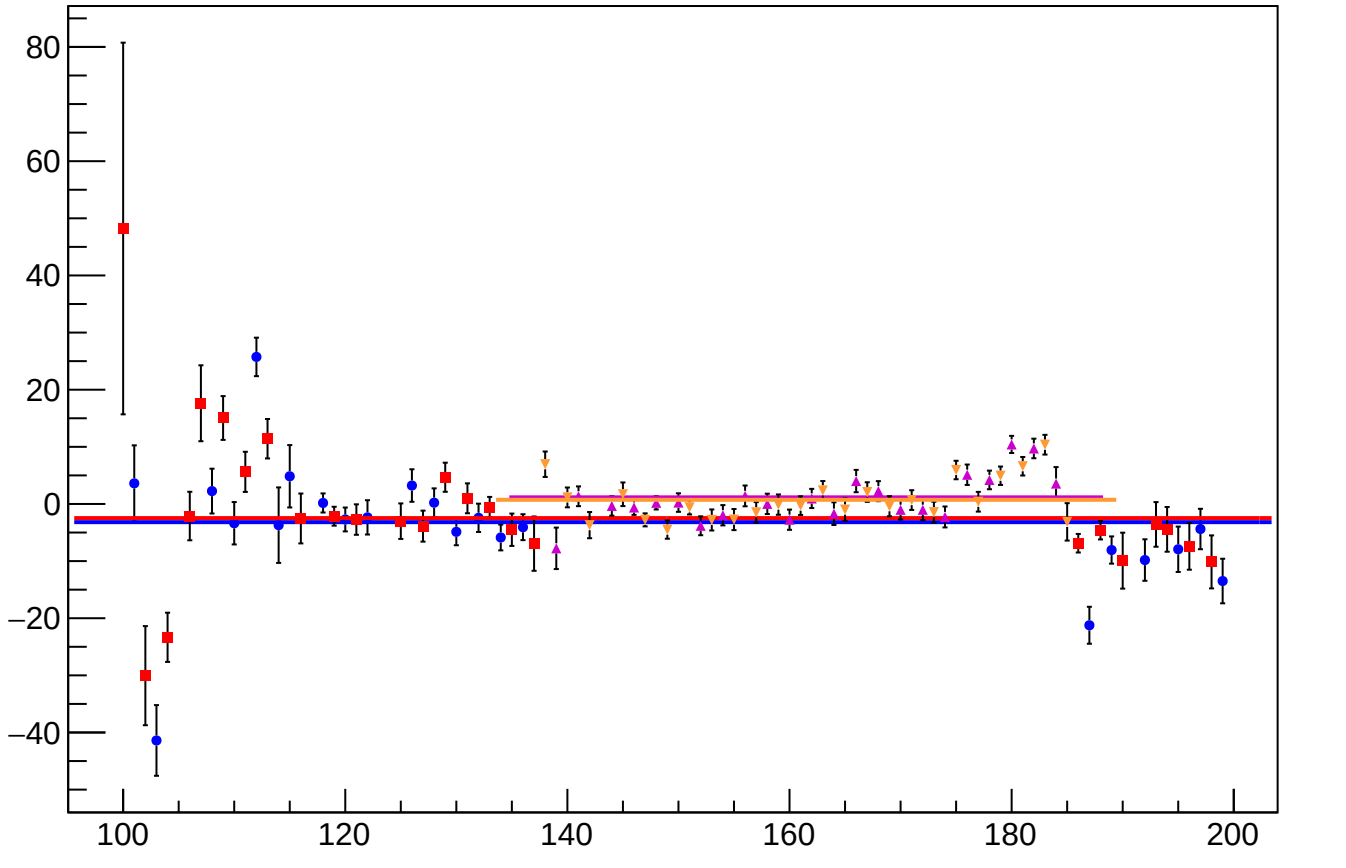
Right Out: 45.292+/-0.515 χ^2/NDF: 7789.8/24

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 19.433+/-0.360 χ^2/NDF: 5387.4/45

All: 22.646+/-0.249 χ^2/NDF: 16226.6/93

\- sign 25.583+/-0.344 χ^2/NDF: 10686.5/47



Right In: -3.184+/-0.620 χ^2/NDF: 177.5/21

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.472+/-0.577 χ^2/NDF: 116.1/24

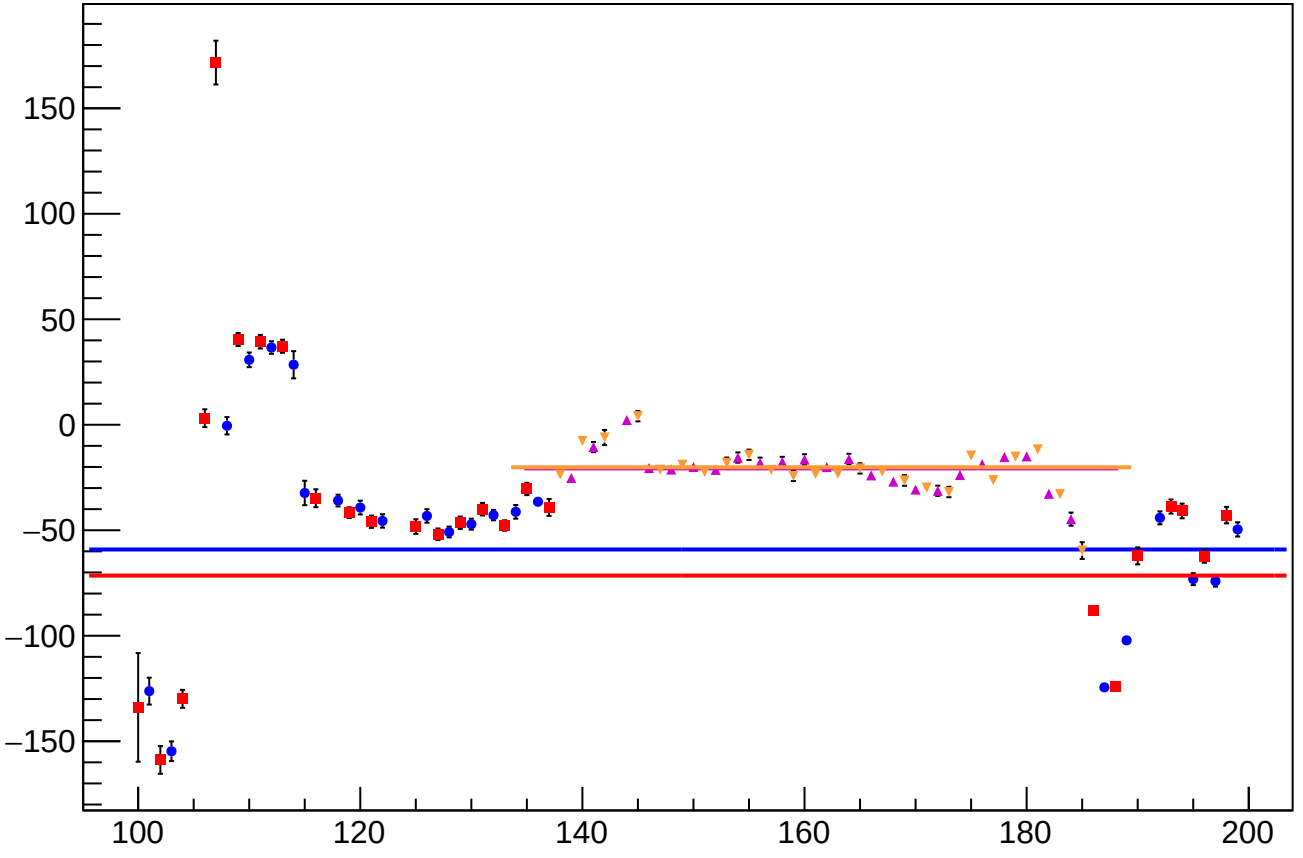
Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.214+/-0.304 χ^2/NDF: 317.4/45

All: -0.032+/-0.215 χ^2/NDF: 573.3/93

\- 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: -59.112+/-0.601 χ^2/NDF: 5309.9/21

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

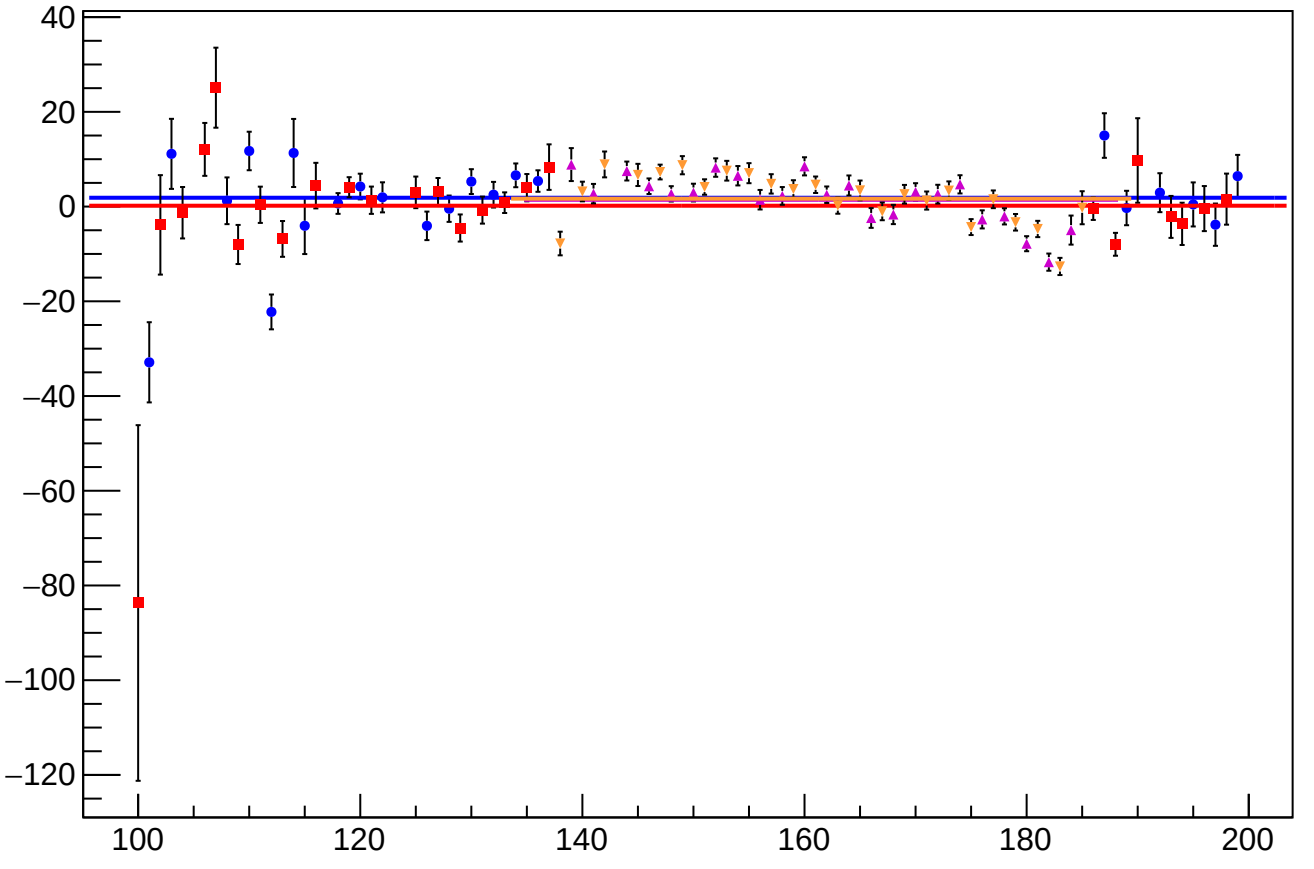
Right Out: -71.493+/-0.500 χ^2/NDF: 9507.4/24

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -34.258+/-0.361 χ^2/NDF: 8415.4/45

All: -39.386+/-0.247 χ^2/NDF: 24233.4/93

\- sign -43.859+/-0.337 χ^2/NDF: 15441.0/47



Right In: 1.864+/-0.725 χ^2/NDF: 94.3/21

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

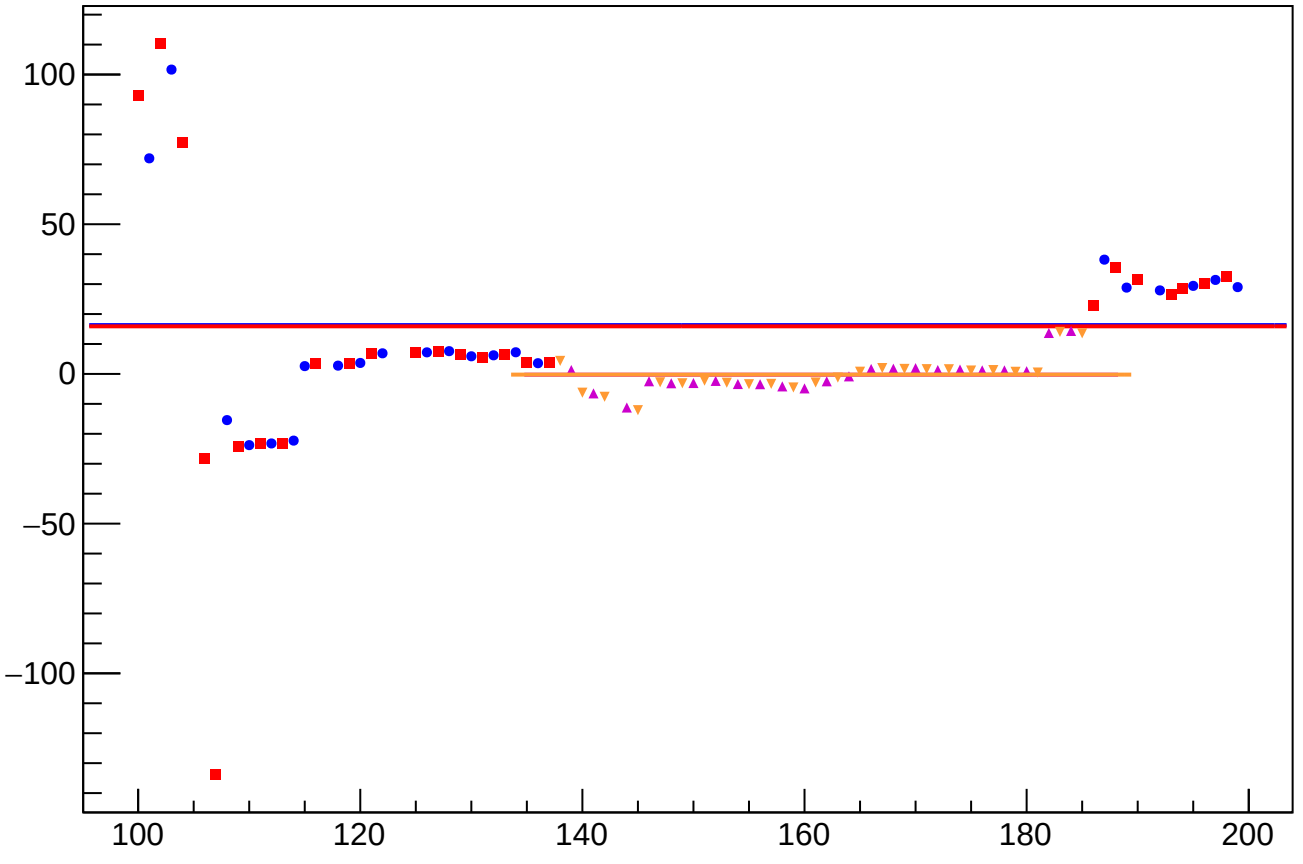
Right Out: 0.180+/-0.700 χ^2/NDF: 53.1/24

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.715+/-0.347 χ^2/NDF: 272.4/45

All: 1.418+/-0.246 χ^2/NDF: 492.1/93

- sign 1.118+/-0.349 χ^2/NDF: 218.3/47



Right In: 16.307+/-0.038 χ^2/NDF: 389996.0/21

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

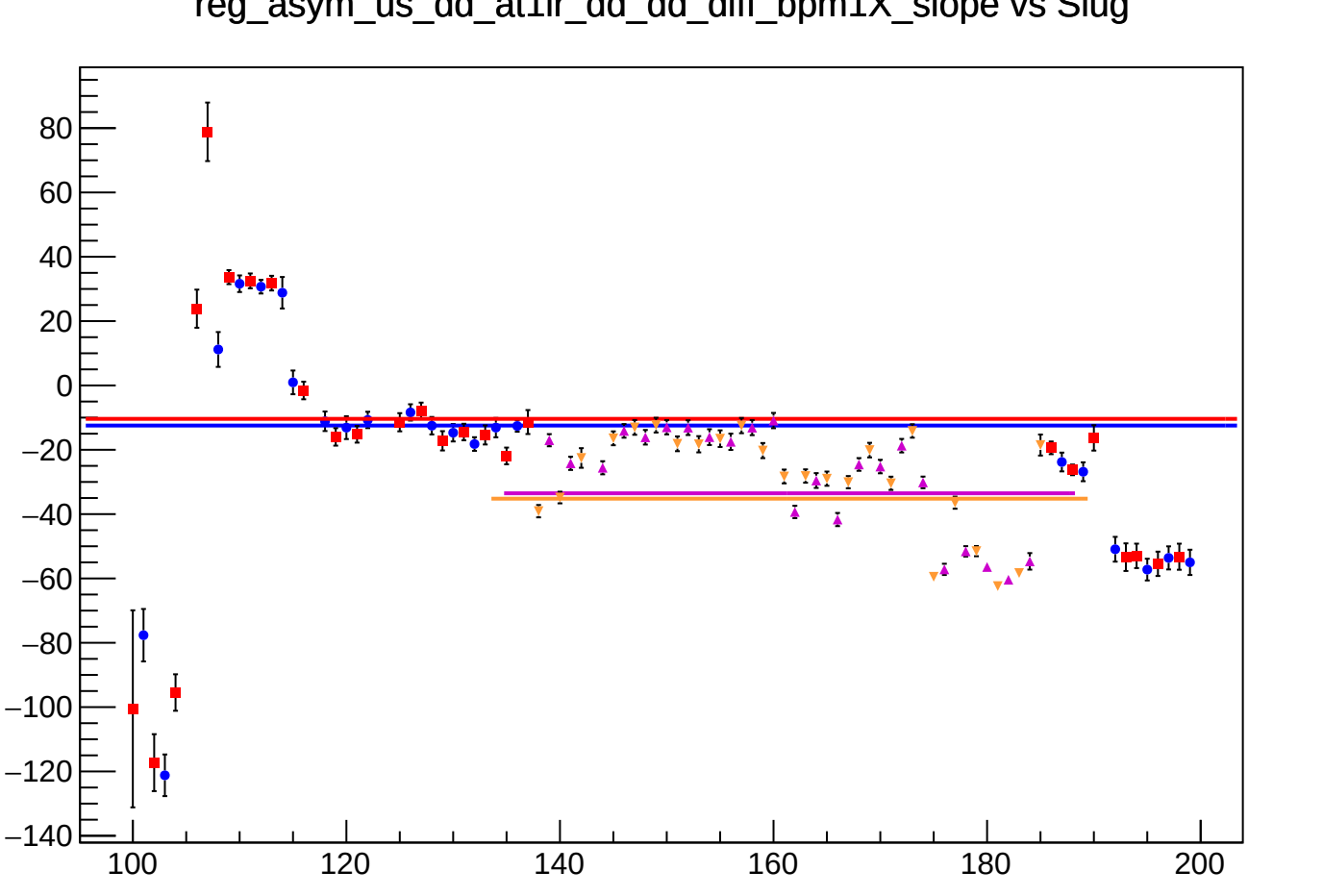
Right Out: 15.900+/-0.038 χ^2/NDF: 557392.0/24

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 2.685+/-0.016 χ^2/NDF: 625880.2/45

All: 2.630+/-0.011 χ^2/NDF: 1402299.0/93

- sign 2.575+/-0.016 χ^2/NDF: 776395.4/47



Right In: -12.467+/-0.632 χ^2/NDF: 1730.0/21

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

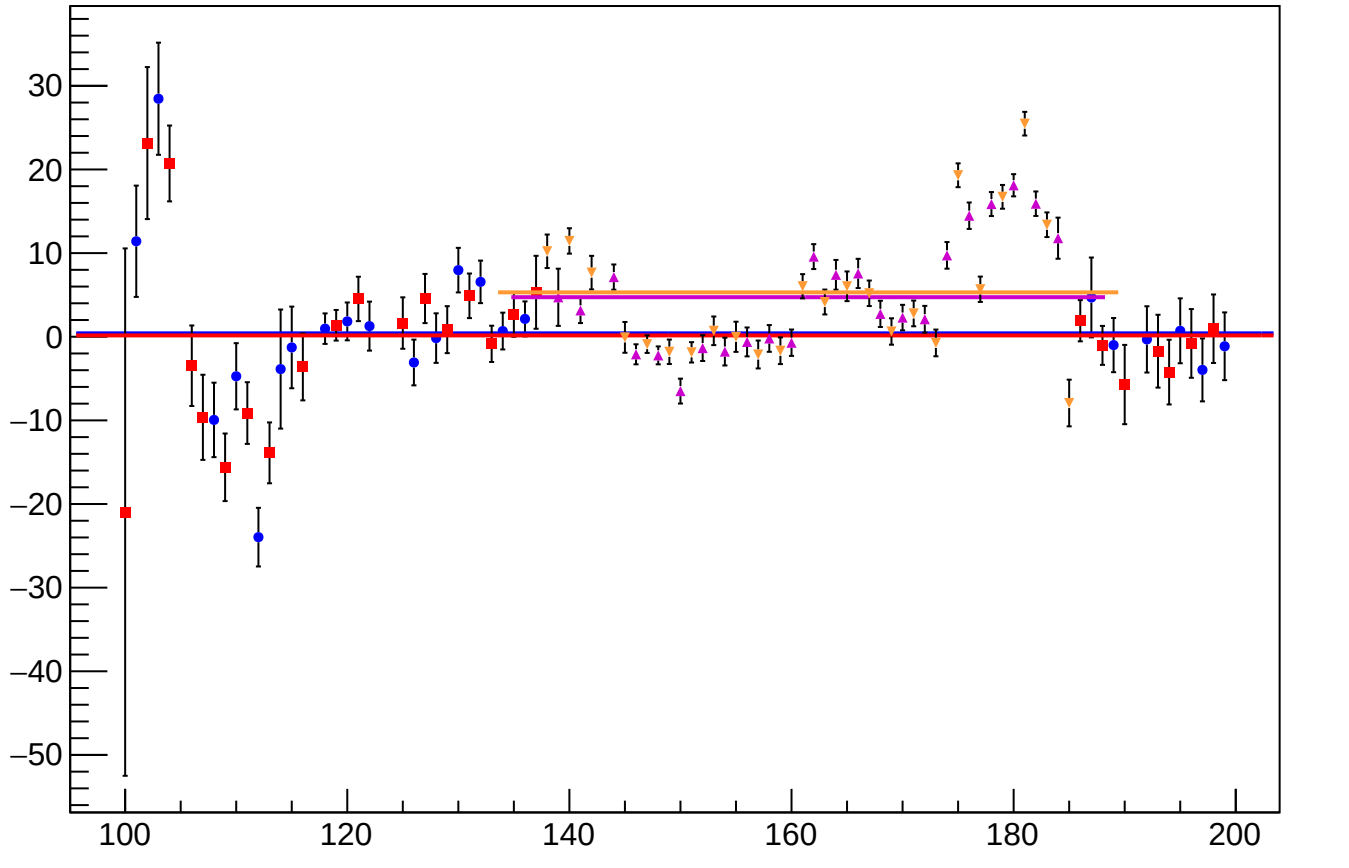
Right Out: -10.382+/-0.585 χ^2/NDF: 2246.1/24

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

\+ sign -28.505+/-0.343 χ^2/NDF: 4494.5/45

All: -27.141+/-0.241 χ^2/NDF: 9621.1/93

\- sign -25.816+/-0.338 χ^2/NDF: 5095.4/47



Right In: 0.405+/-0.660 χ^2/NDF: 95.5/21

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

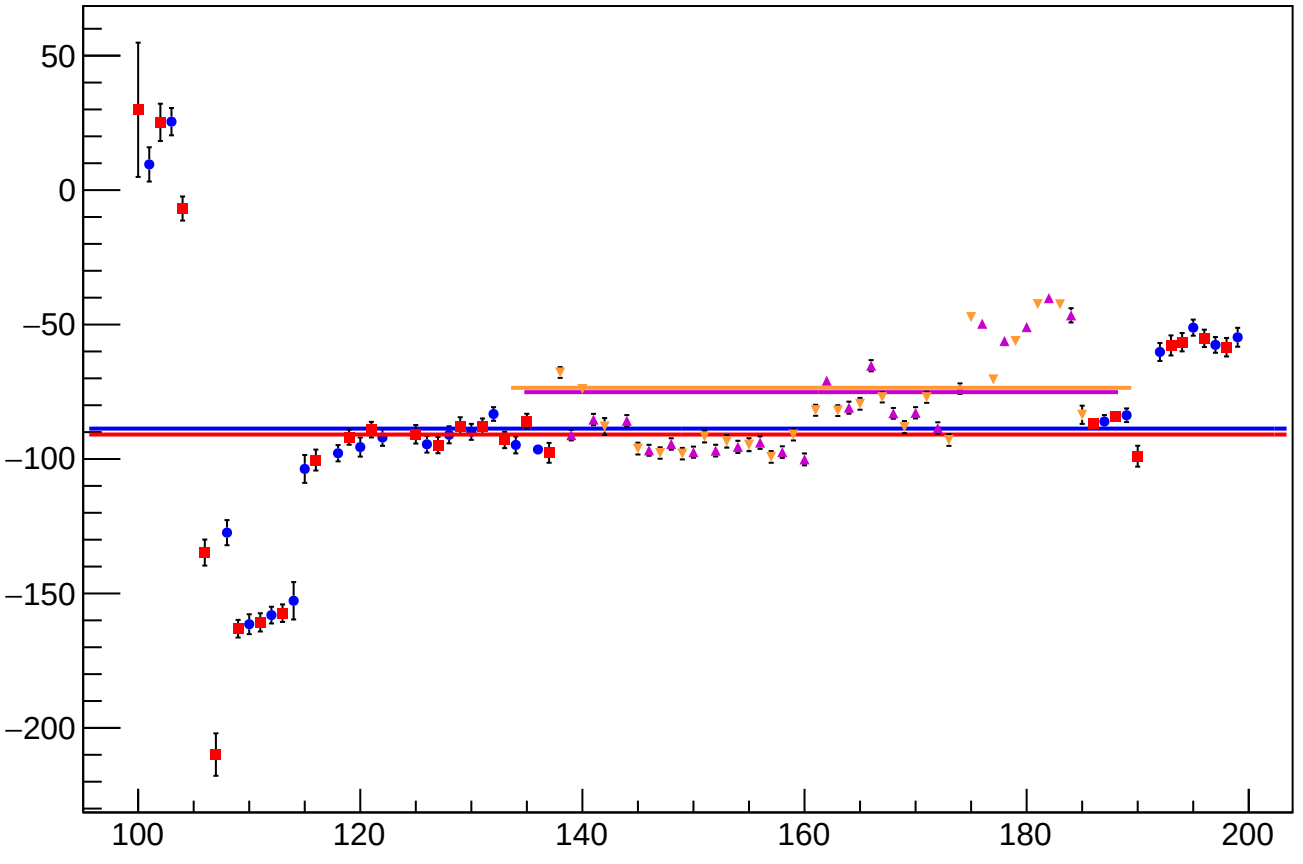
Right Out: 0.158+/-0.647 χ^2/NDF: 84.2/24

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.399+/-0.284 χ^2/NDF: 764.7/45

All: 4.115+/-0.202 χ^2/NDF: 1386.9/93

- sign 3.824+/-0.288 χ^2/NDF: 620.2/47



Right In: -88.691+/-0.668 χ^2/NDF: 2277.3/21

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

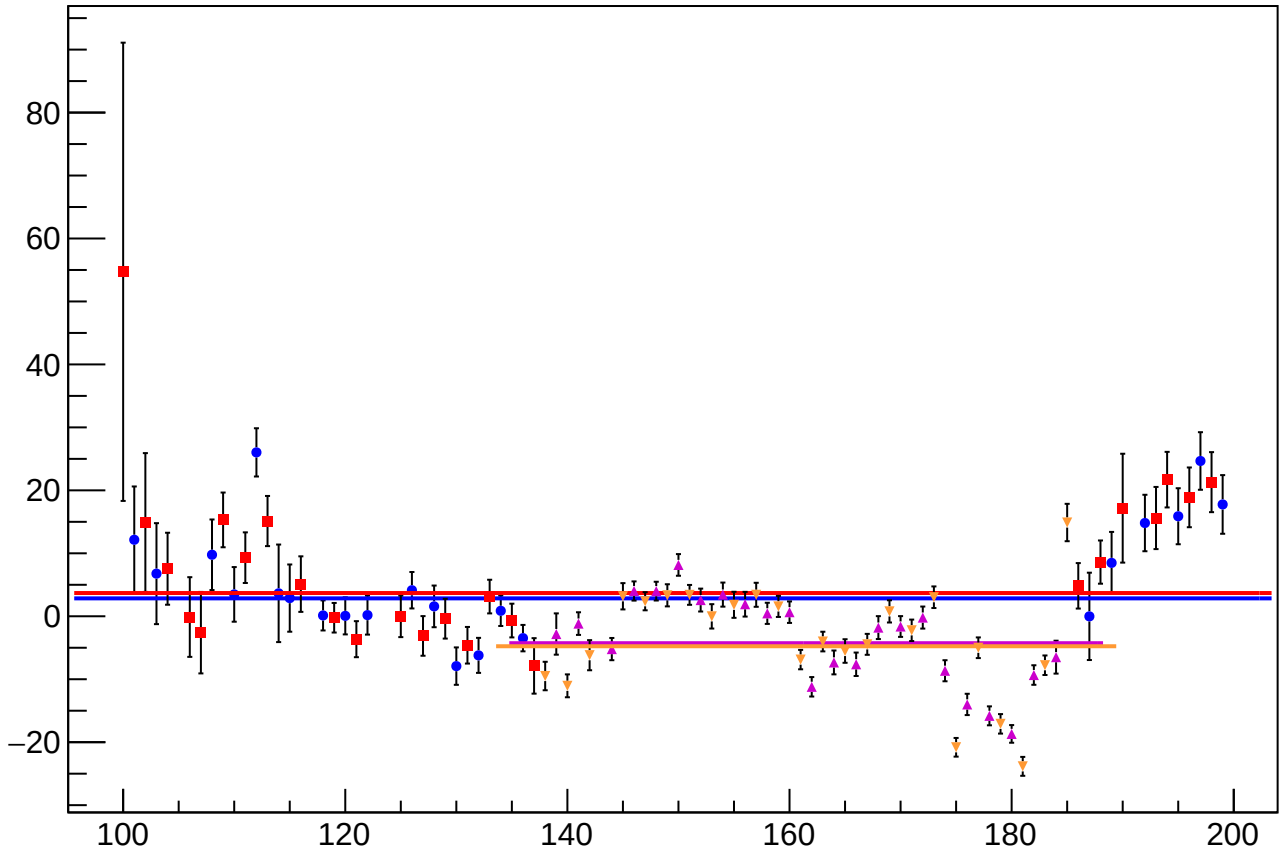
Right Out: -90.895+/-0.599 χ^2/NDF: 2732.4/24

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -77.593+/-0.346 χ^2/NDF: 5047.1/45

All: -78.911+/-0.242 χ^2/NDF: 10641.7/93

\- sign -80.167+/-0.338 χ^2/NDF: 5566.3/47



Right In: 2.843+/-0.758 χ^2/NDF: 126.6/21

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

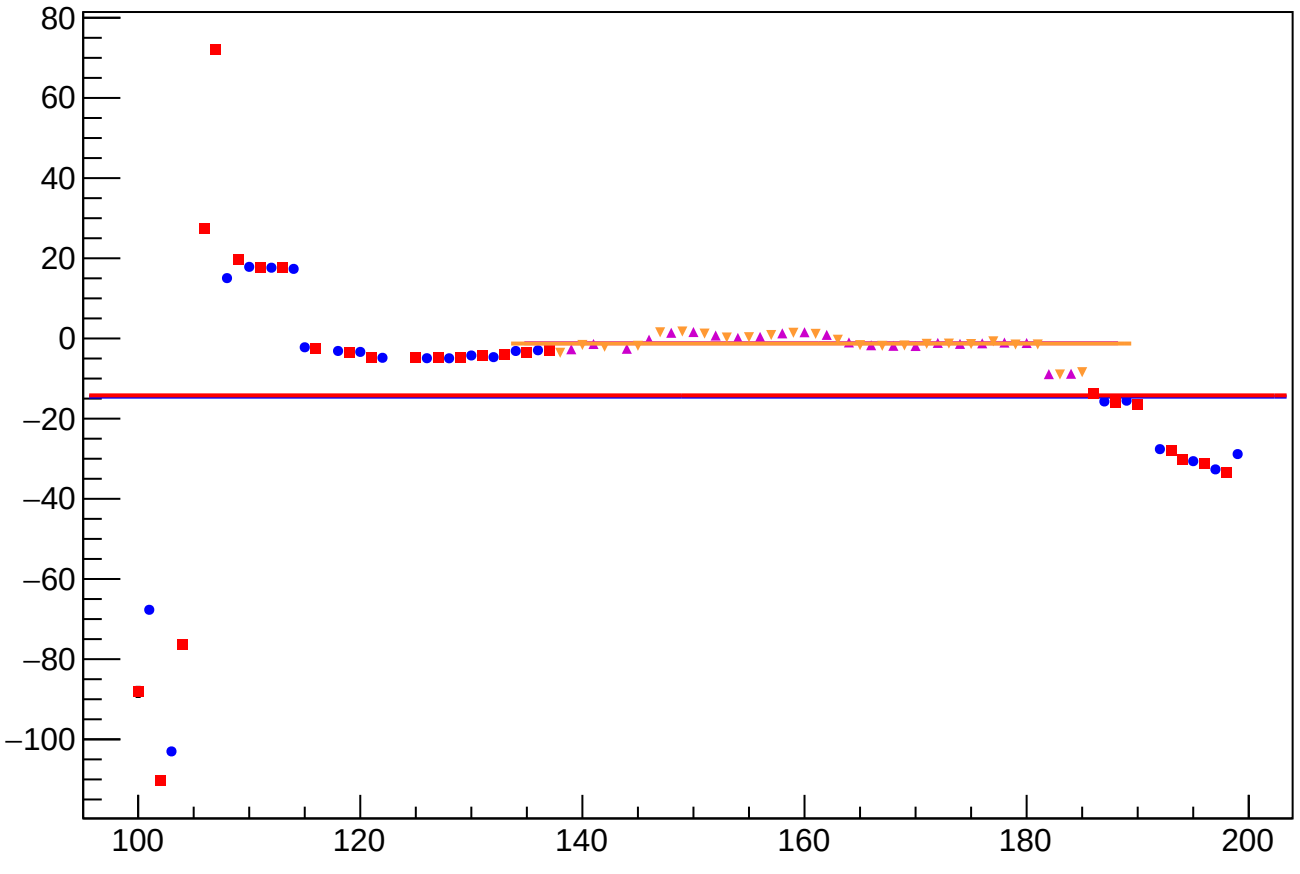
Right Out: 3.691+/-0.763 χ^2/NDF: 107.9/24

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.397+/-0.321 χ^2/NDF: 786.0/45

All: -3.113+/-0.229 χ^2/NDF: 1408.8/93

- sign -2.820+/-0.326 χ^2/NDF: 621.2/47



Right In: -14.513+/-0.039 χ^2/NDF: 339269.6/21

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -14.196+/-0.040 χ^2/NDF: 425710.0/24

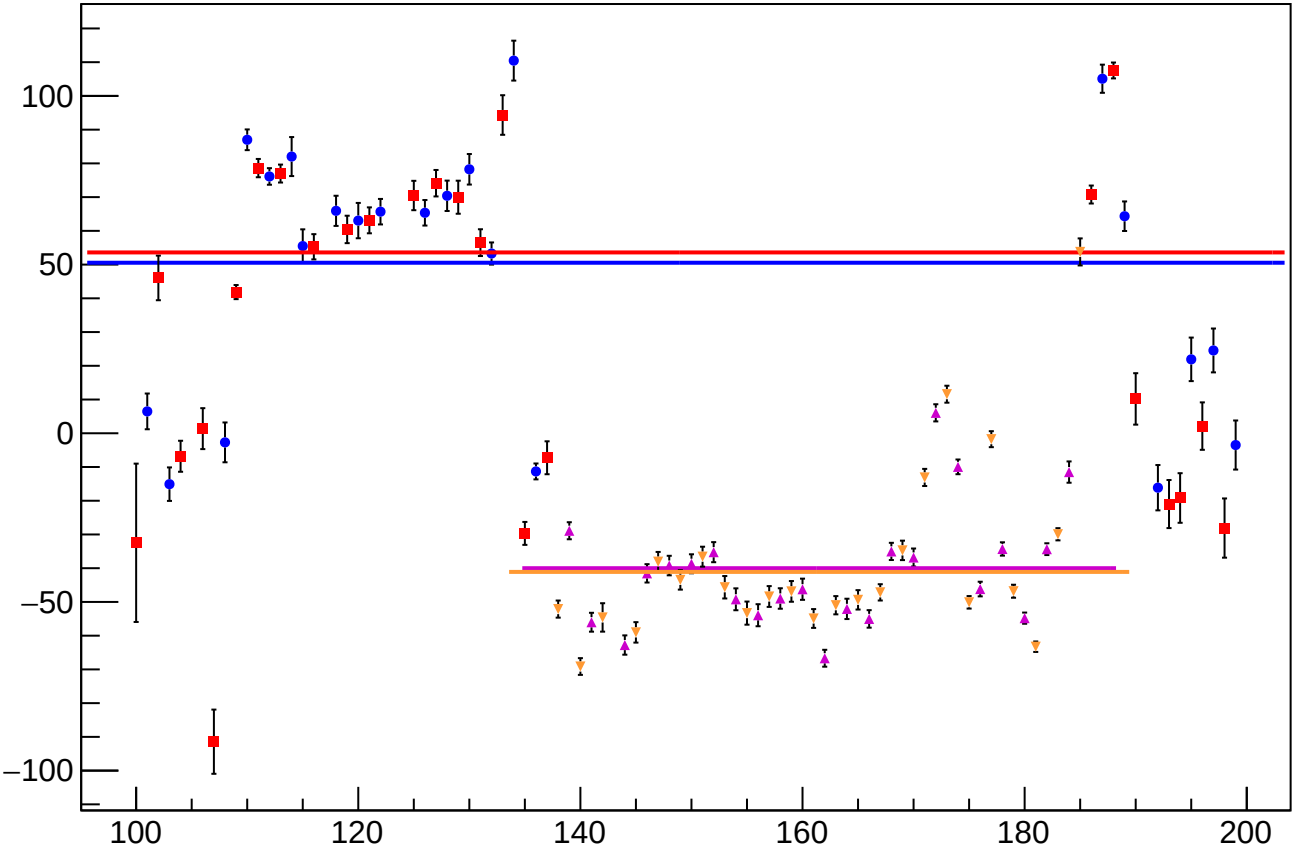
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

\+ sign -3.163+/-0.015 χ^2/NDF: 464136.7/45

All: -3.061+/-0.010 χ^2/NDF: 1005597.2/93

\- 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: 50.550+/-0.887 χ^2/NDF: 1873.8/21

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

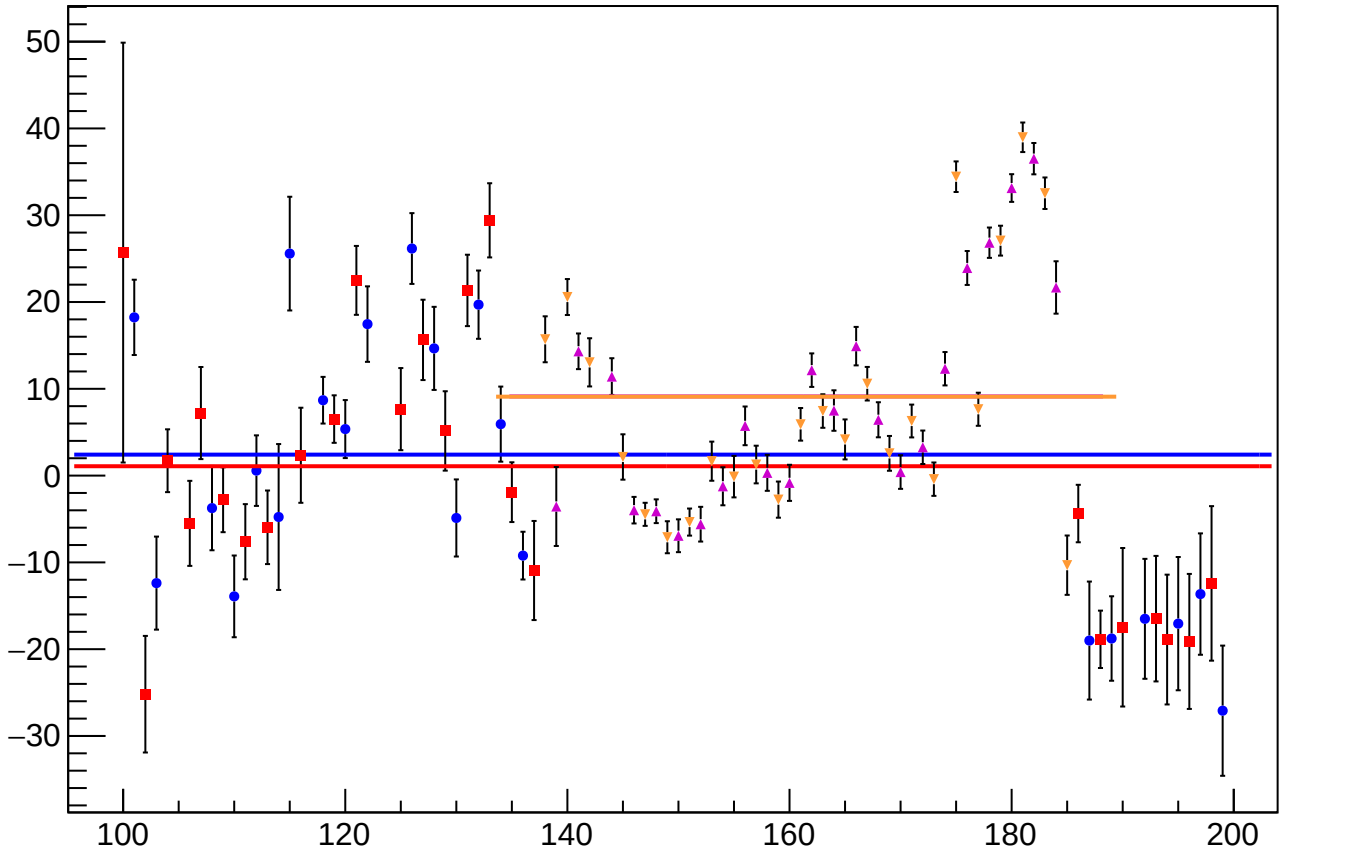
Right Out: 53.604+/-0.789 χ^2/NDF: 2502.2/24

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -17.828+/-0.447 χ^2/NDF: 11789.4/45

All: -14.502+/-0.312 χ^2/NDF: 25195.8/93

\- sign -11.327+/-0.437 χ^2/NDF: 13298.2/47



Right In: 2.416+/-0.954 χ^2/NDF: 210.7/21

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

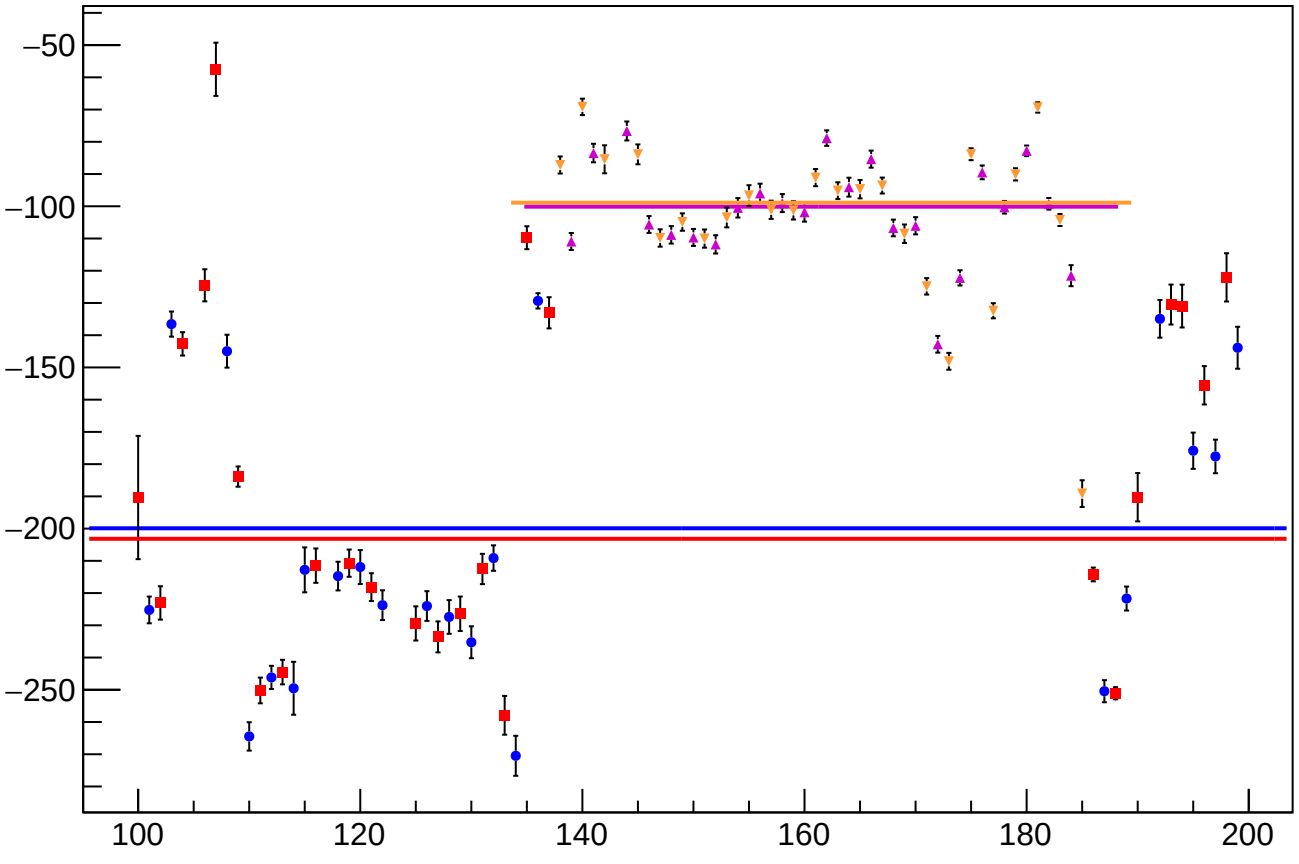
Right Out: 1.079+/-0.906 χ^2/NDF: 211.8/24

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.090+/-0.370 χ^2/NDF: 1506.1/45

All: 7.927+/-0.263 χ^2/NDF: 2835.5/93

- sign 7.761+/-0.373 χ^2/NDF: 1329.0/47



Right In: -199.896+/-0.940 χ^2/NDF: 2489.8/21

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

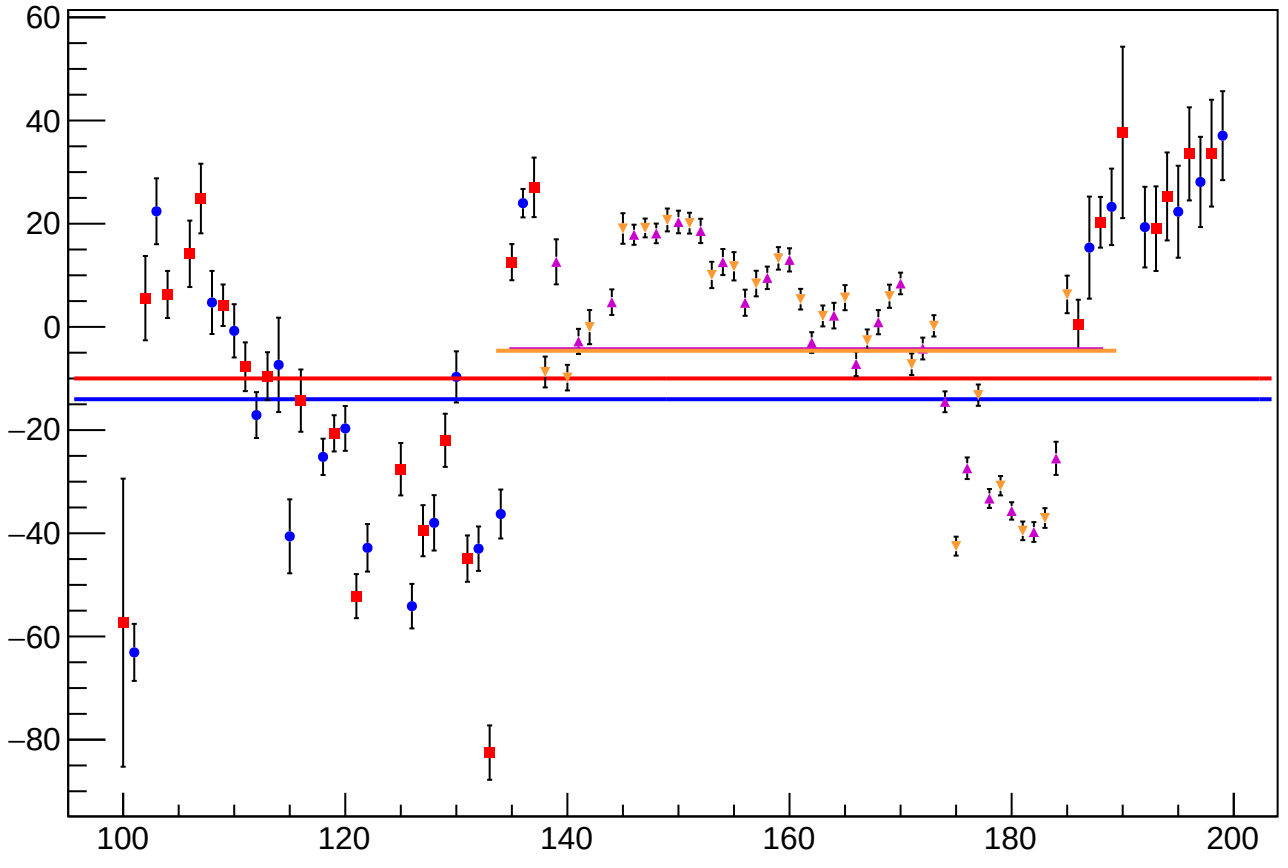
Right Out: -203.163+/-0.825 χ^2/NDF: 3343.9/24

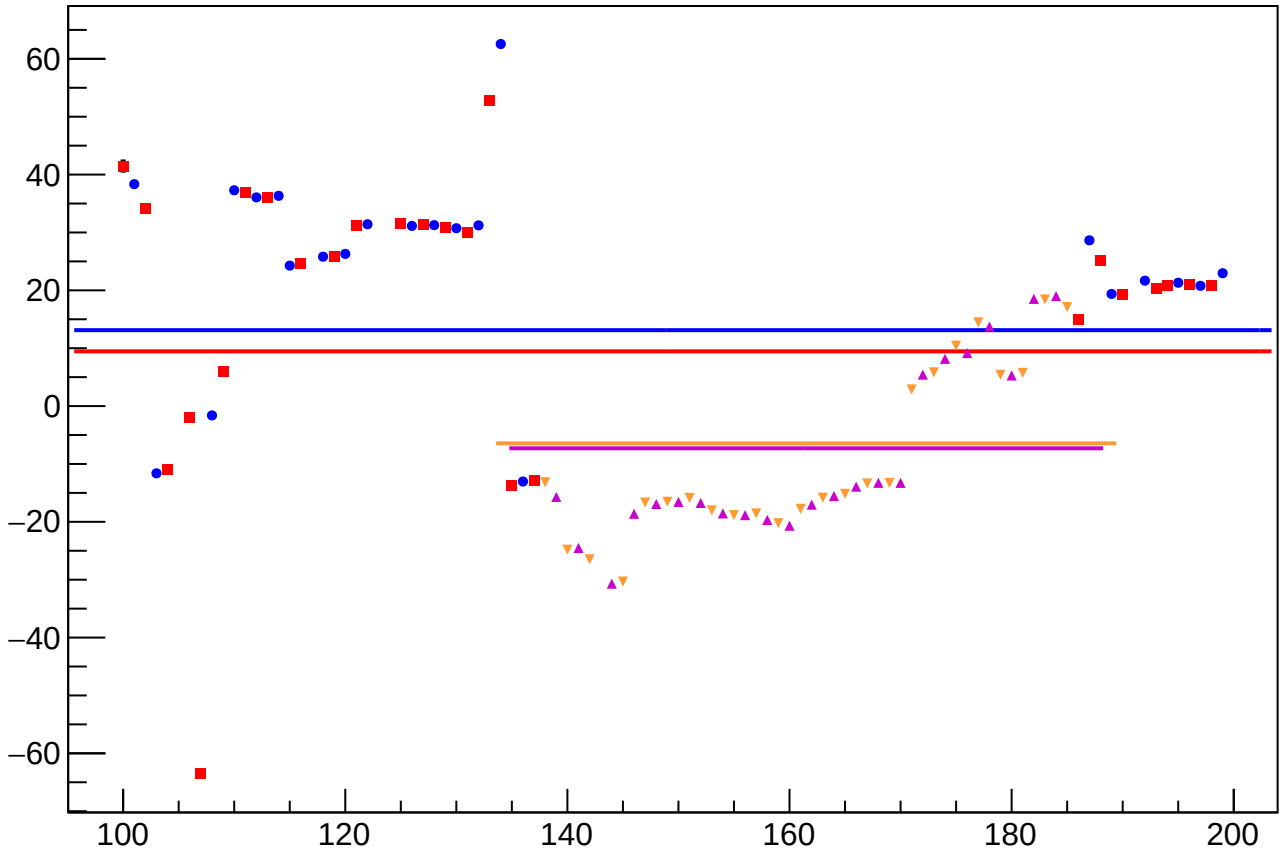
Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -122.129+/-0.451 χ^2/NDF: 13197.2/45

All: -125.860+/-0.315 χ^2/NDF: 28652.7/93

- sign -129.410+/-0.440 χ^2/NDF: 15322.0/47


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: -14.019+/-1.099 χ²/NDF: 685.1/21
Left Out: -4.618+/-0.451 χ²/NDF:2078.3/23
Right Out: -9.991+/-1.067 χ²/NDF: 686.7/24
Left In: -4.328+/-0.459 χ²/NDF:1854.2/22
+ sign -5.975+/-0.418 χ²/NDF: 2826.0/45
All: -5.597+/-0.297 χ²/NDF: 5392.3/93
- sign -5.212+/-0.421 χ²/NDF: 2564.6/47



Right In: 13.118+/-0.056 χ^2/NDF: 171860.7/21

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

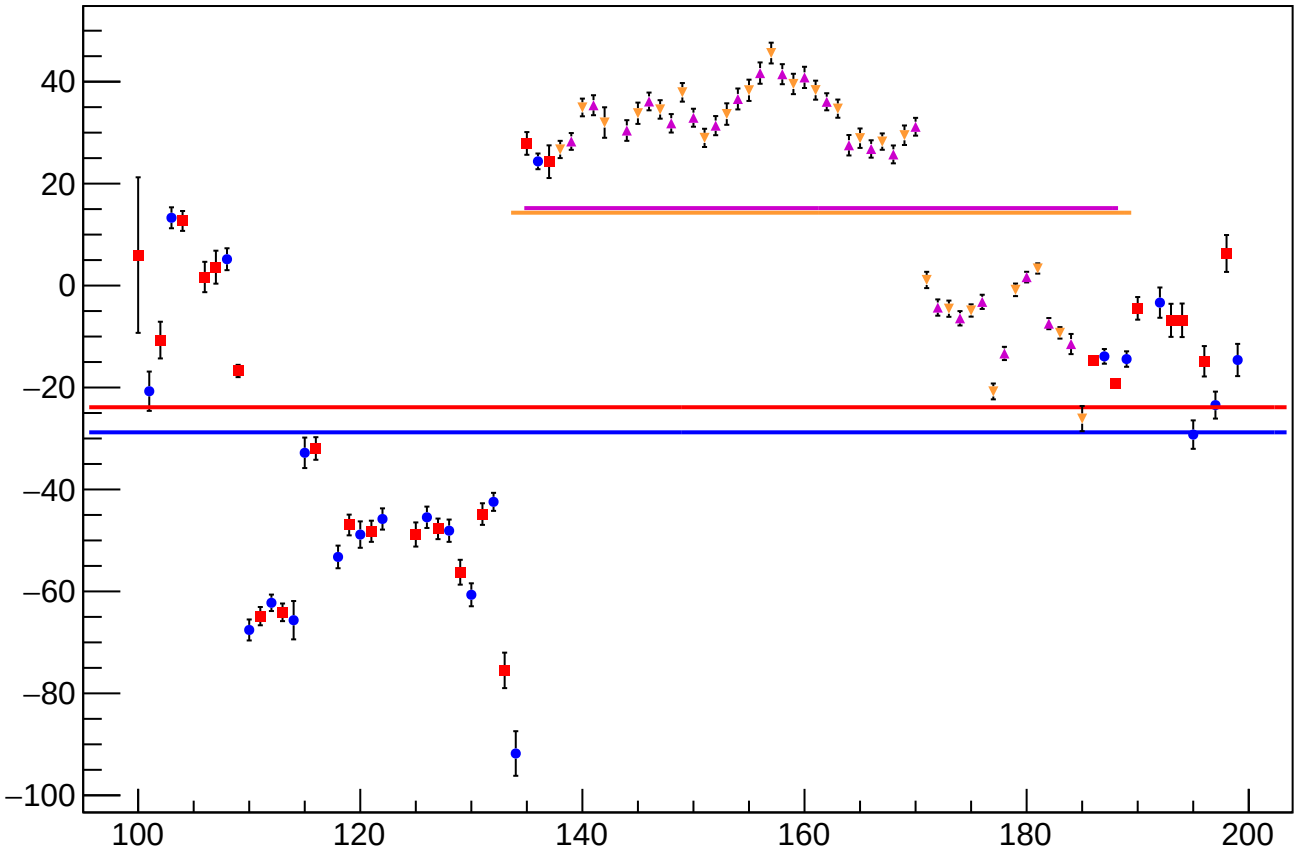
Right Out: 9.459+/-0.055 χ^2/NDF: 170270.0/24

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

\+ sign -4.159+/-0.019 χ^2/NDF: 777816.0/45

All: -4.721+/-0.013 χ^2/NDF: 1519616.8/93

\- sign -5.286+/-0.019 χ^2/NDF: 740043.7/47



Right In: -28.791+/-0.460 χ^2/NDF: 3895.9/21

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -23.869+/-0.381 χ^2/NDF: 3736.9/24

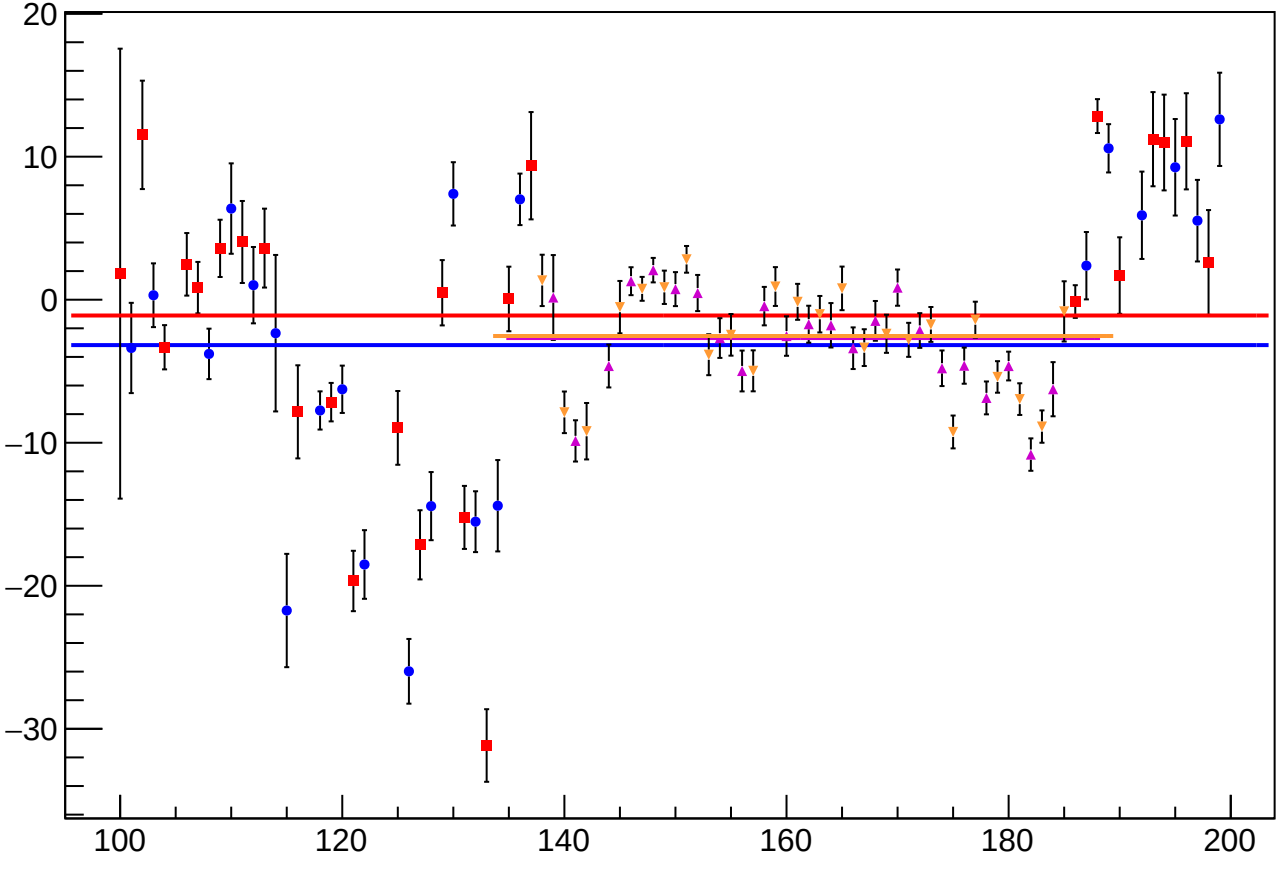
Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

\+ sign -0.661+/-0.271 χ^2/NDF: 13357.4/45

All: -1.415+/-0.185 χ^2/NDF: 26370.8/93

\- sign -2.075+/-0.254 χ^2/NDF: 12998.9/47

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.173+/-0.488 χ^2/NDF: 444.2/21

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 -2.678+/-0.229 χ^2/NDF: 643.9/45

All: -2.457+/-0.160 χ^2/NDF: 1392.9/93

- sign -2.243+/-0.225 χ^2/NDF: 747.1/47

Right In: 53.331+/-0.455 χ^2/NDF: 6604.4/21

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

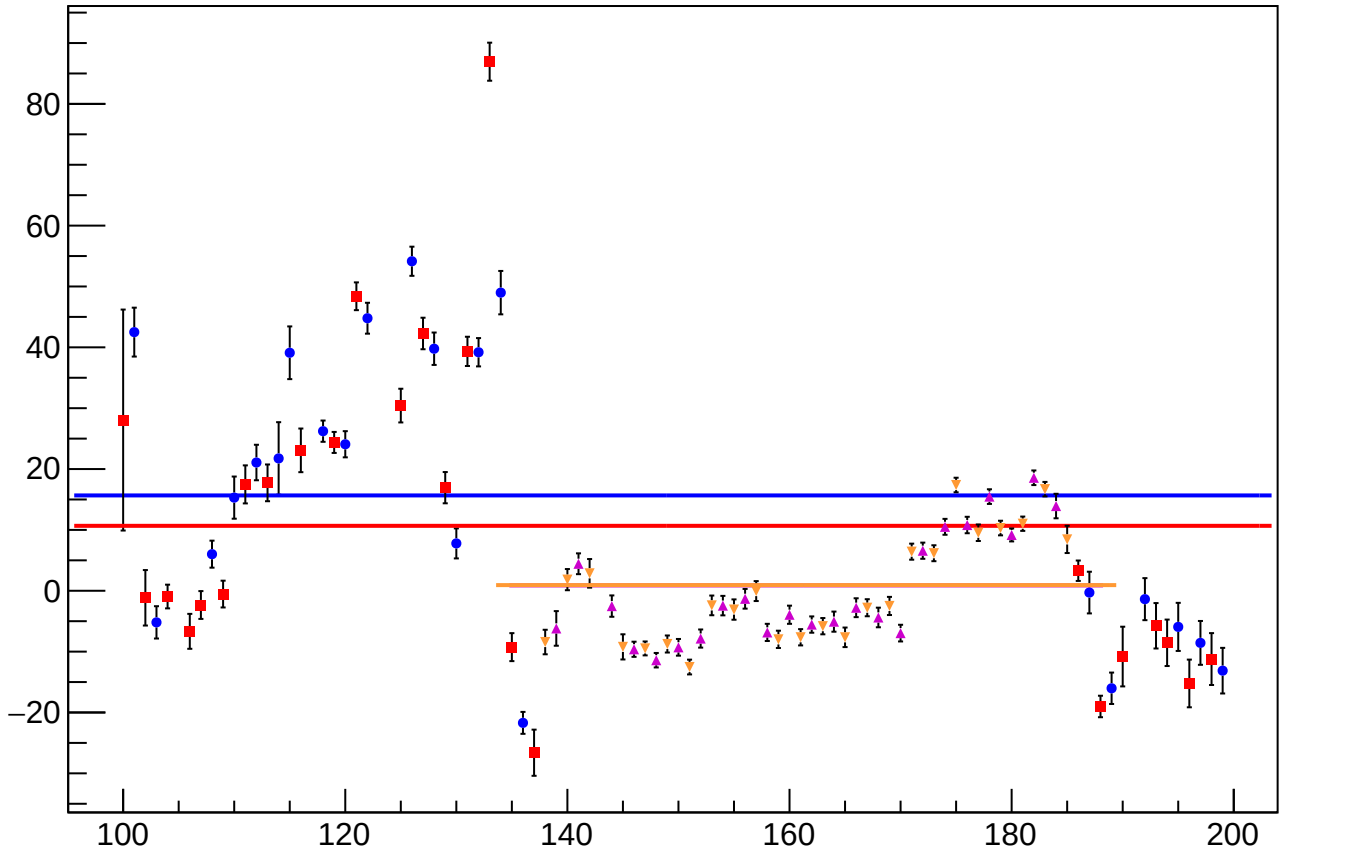
Right Out: 46.556+/-0.362 χ^2/NDF: 5916.1/24

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 22.545+/-0.269 χ^2/NDF: 16391.4/45

All: 23.556+/-0.182 χ^2/NDF: 31761.2/93

- sign 24.406+/-0.246 χ^2/NDF: 15343.8/47



Right In: 15.666+/-0.580 χ^2/NDF: 1644.1/21

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

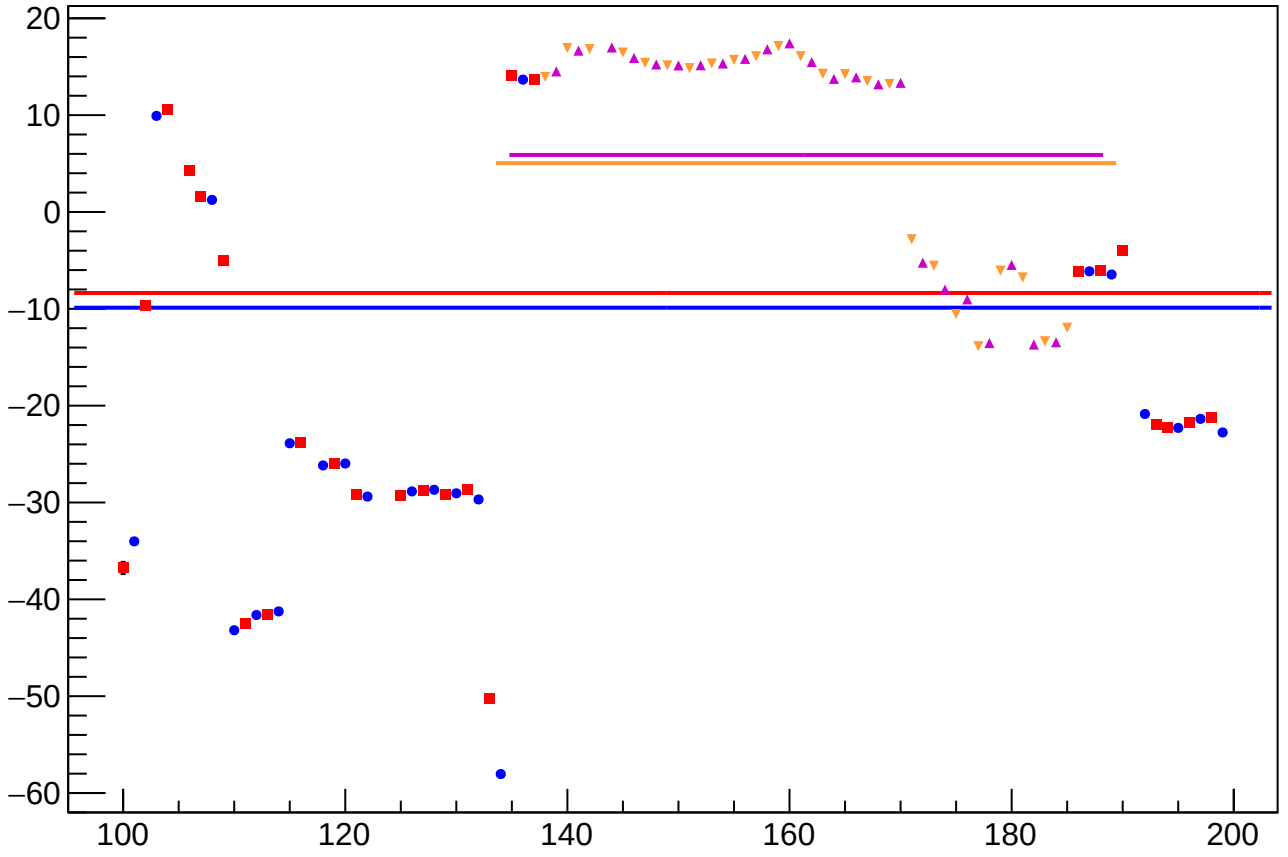
Right Out: 10.671+/-0.527 χ^2/NDF: 2047.5/24

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.905+/-0.261 χ^2/NDF: 3200.8/45

All: 3.570+/-0.184 χ^2/NDF: 6519.3/93

- sign 3.239+/-0.259 χ^2/NDF: 3315.2/47



Right In: -9.884+/-0.028 χ^2/NDF: 466667.8/21

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

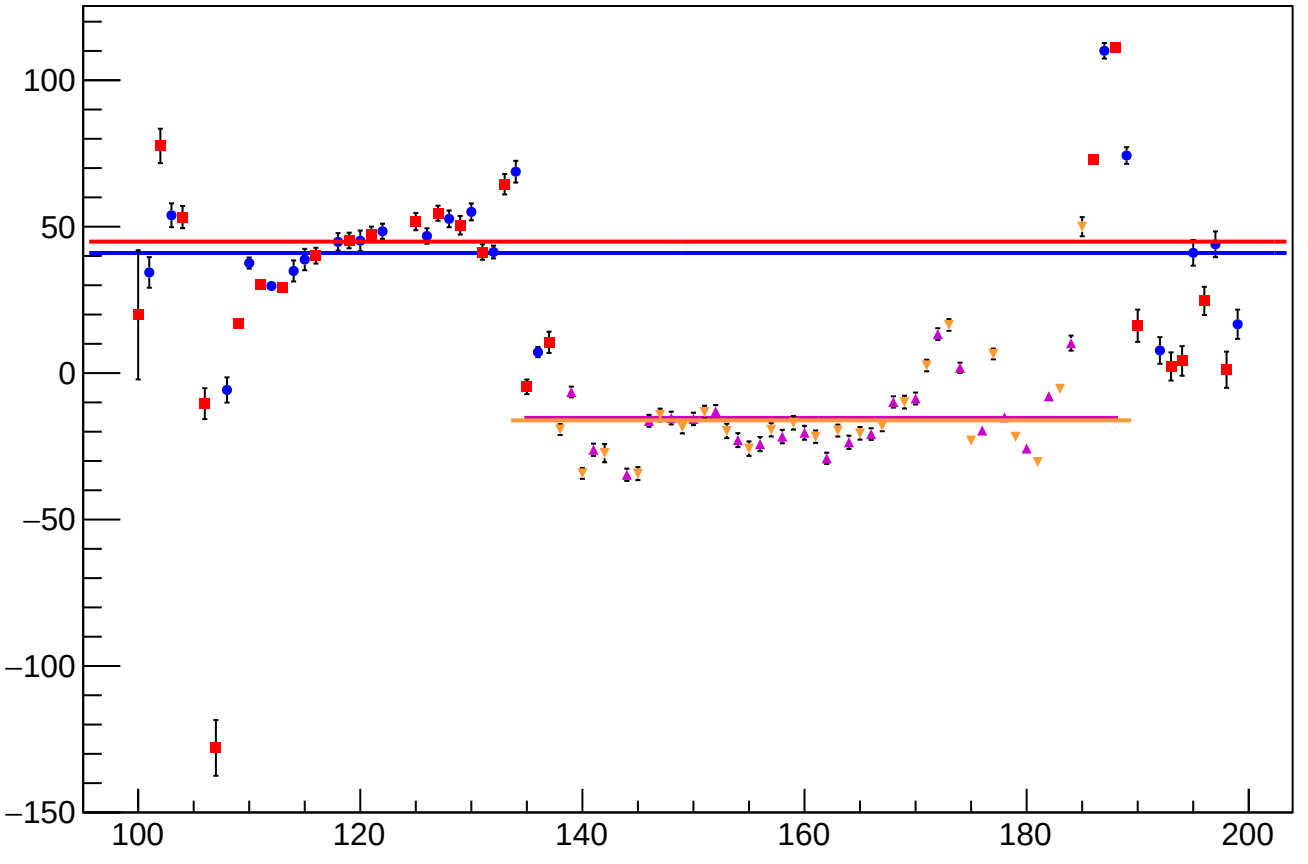
Right Out: -8.363+/-0.027 χ^2/NDF: 371553.6/24

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 2.330+/-0.012 χ^2/NDF: 1559514.6/45

All: 2.724+/-0.008 χ^2/NDF: 3007949.2/93

- sign 3.117+/-0.012 χ^2/NDF: 1446215.2/47



Right In: 41.019+/-0.600 χ^2/NDF: 1563.3/21

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.895+/-0.536 χ^2/NDF: 3943.4/24

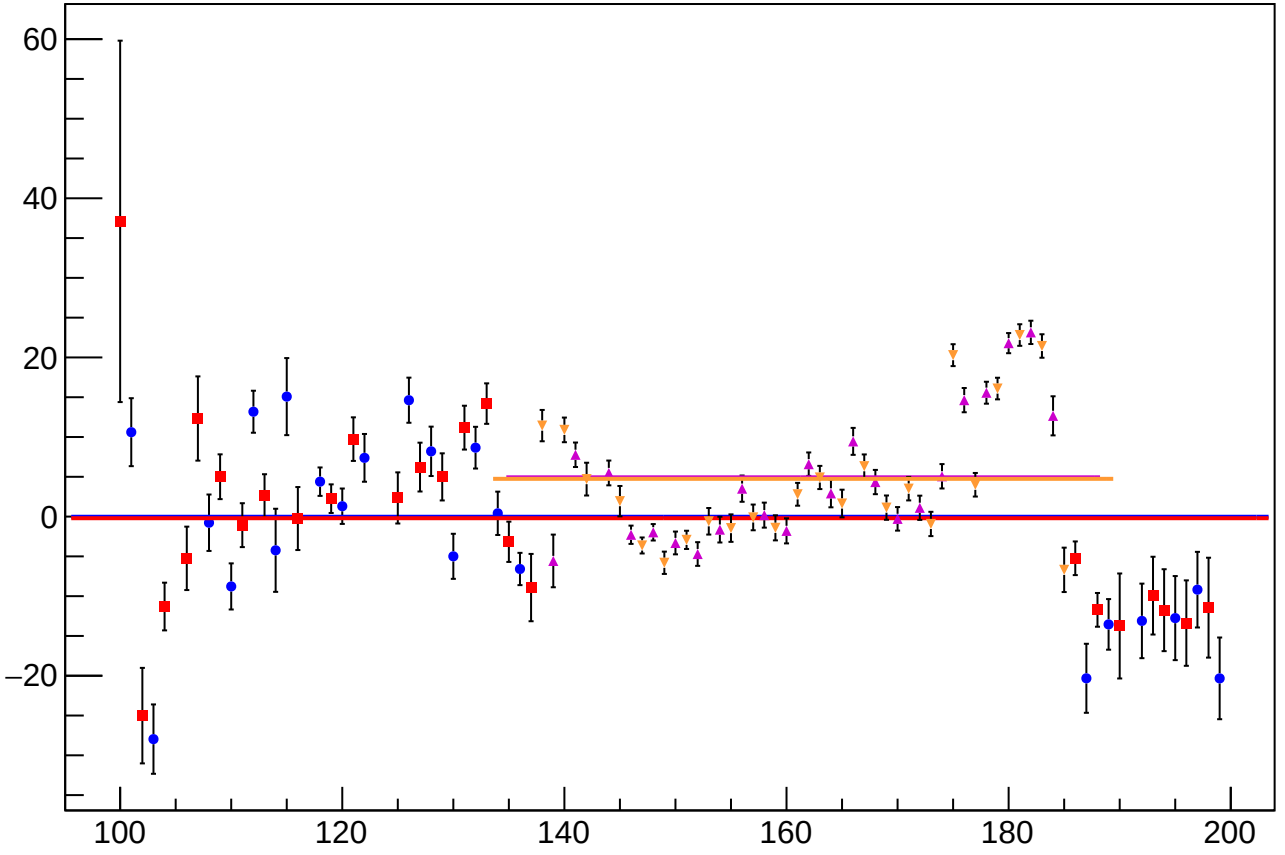
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 1.320+/-0.332 χ^2/NDF: 9227.8/45

All: 3.952+/-0.231 χ^2/NDF: 22100.6/93

- 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: -0.021+/-0.653 χ^2/NDF: 235.6/21

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

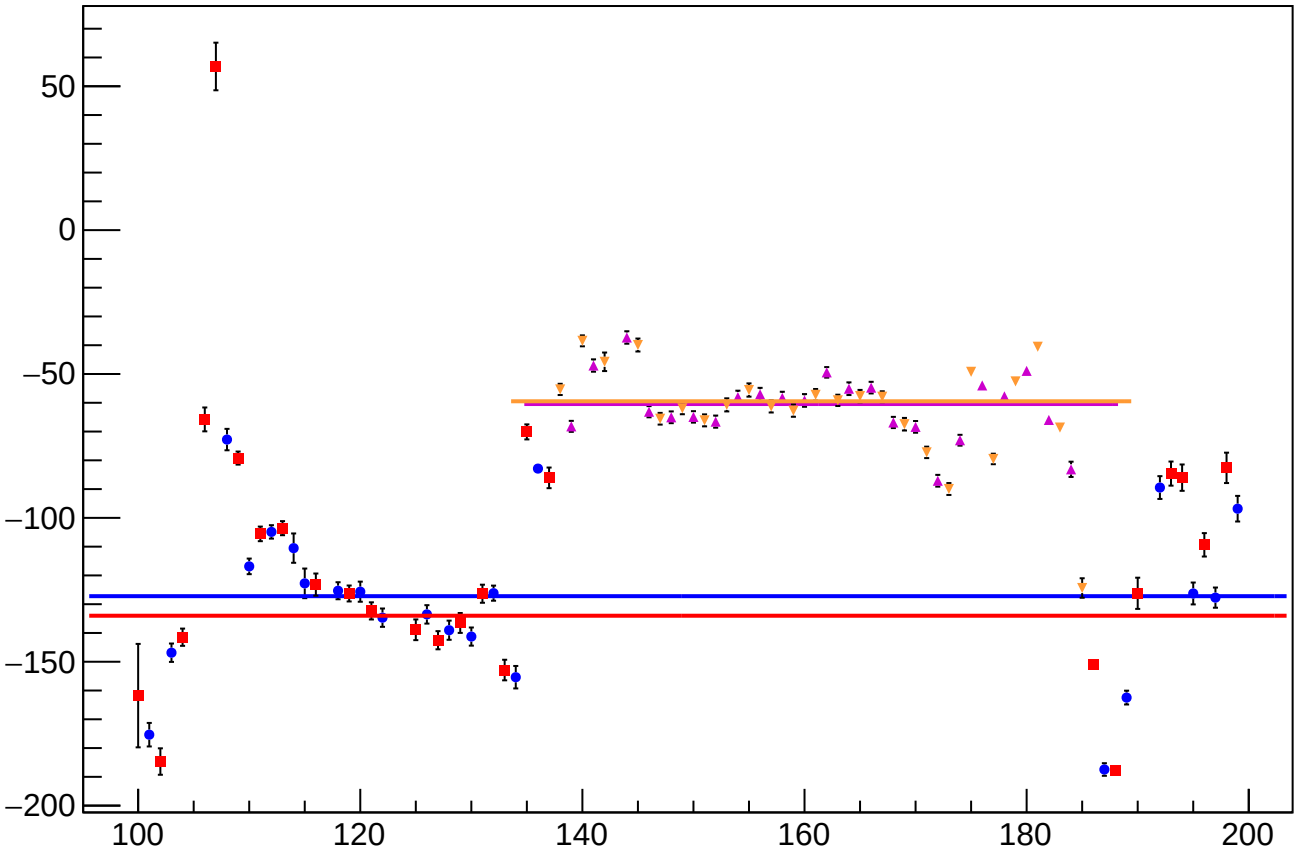
Right Out: -0.204+/-0.625 χ^2/NDF: 180.7/24

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.884+/-0.277 χ^2/NDF: 1073.1/45

All: 3.893+/-0.197 χ^2/NDF: 1996.3/93

- sign 3.904+/-0.280 χ^2/NDF: 923.2/47



Right In: -127.211+/-0.646 χ^2/NDF: 2353.8/21

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

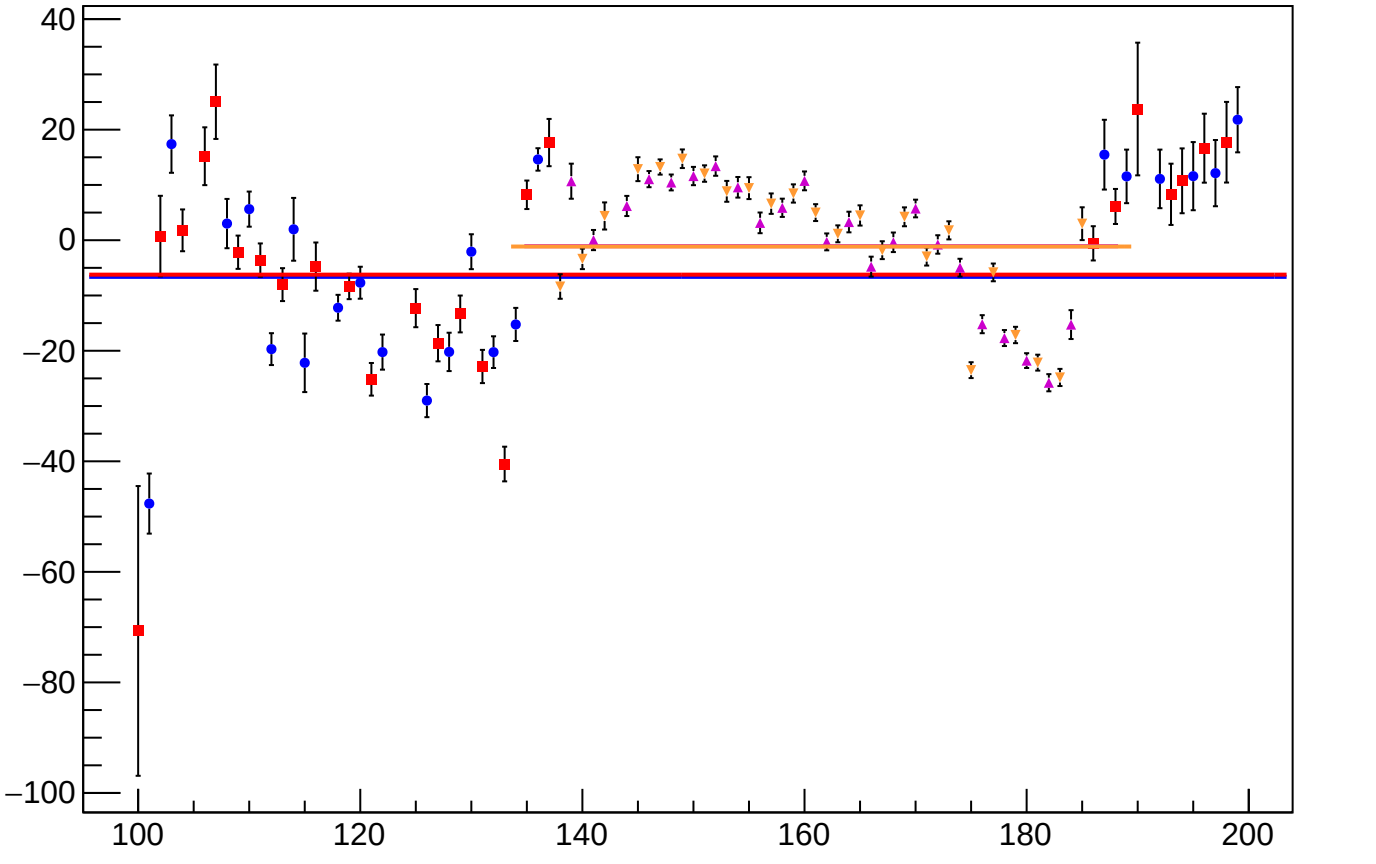
Right Out: -134.007+/-0.562 χ^2/NDF: 5109.3/24

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -77.887+/-0.337 χ^2/NDF: 11719.4/45

All: -81.636+/-0.234 χ^2/NDF: 29122.2/93

\- sign -85.135+/-0.326 χ^2/NDF: 17163.5/47



Right In: -6.630+/-0.753 χ^2/NDF: 446.3/21

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

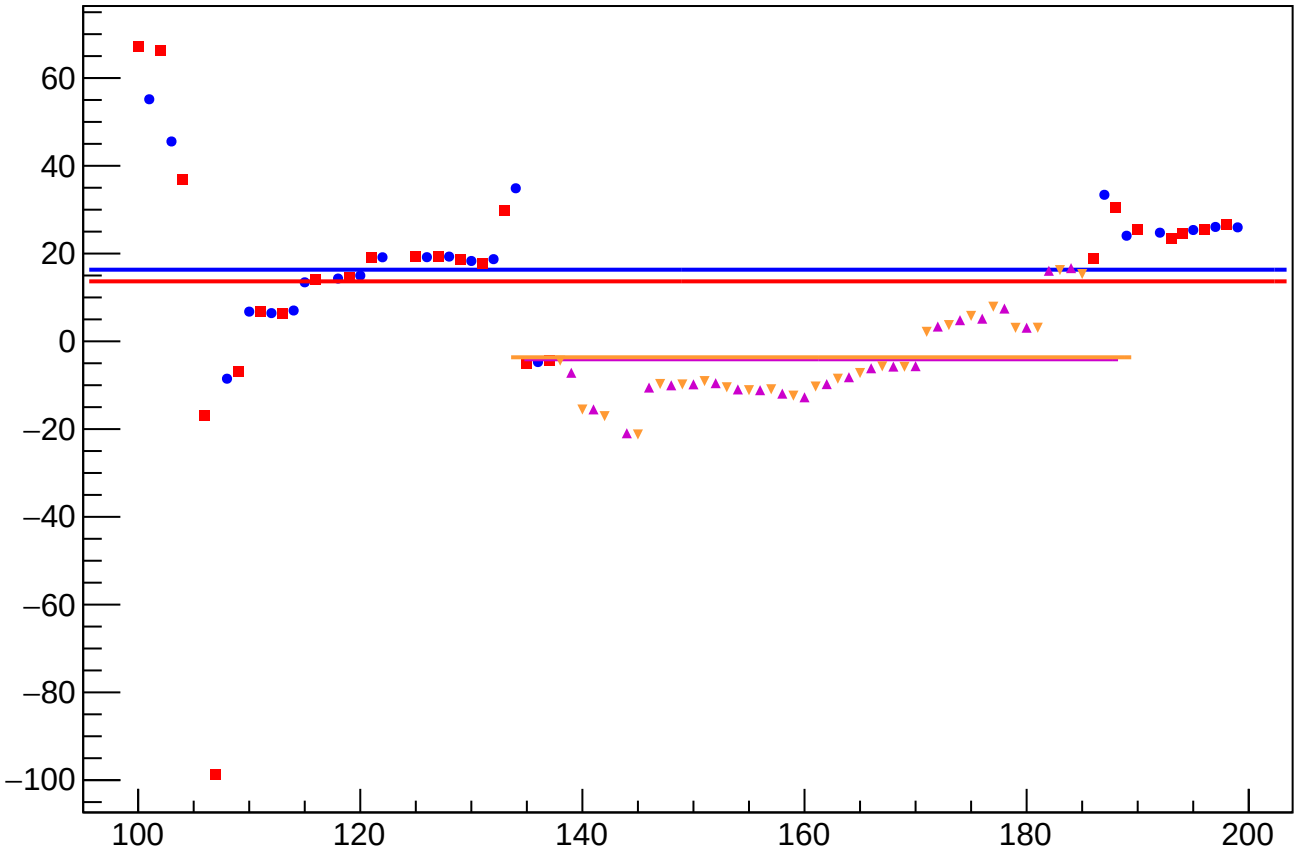
Right Out: -6.230+/-0.737 χ^2/NDF: 393.6/24

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.099+/-0.314 χ^2/NDF: 1793.2/45

All: -2.068+/-0.223 χ^2/NDF: 3383.9/93

- sign -2.037+/-0.317 χ^2/NDF: 1590.7/47



Right In: 16.323+/-0.040 χ^2/NDF: 201759.4/21

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

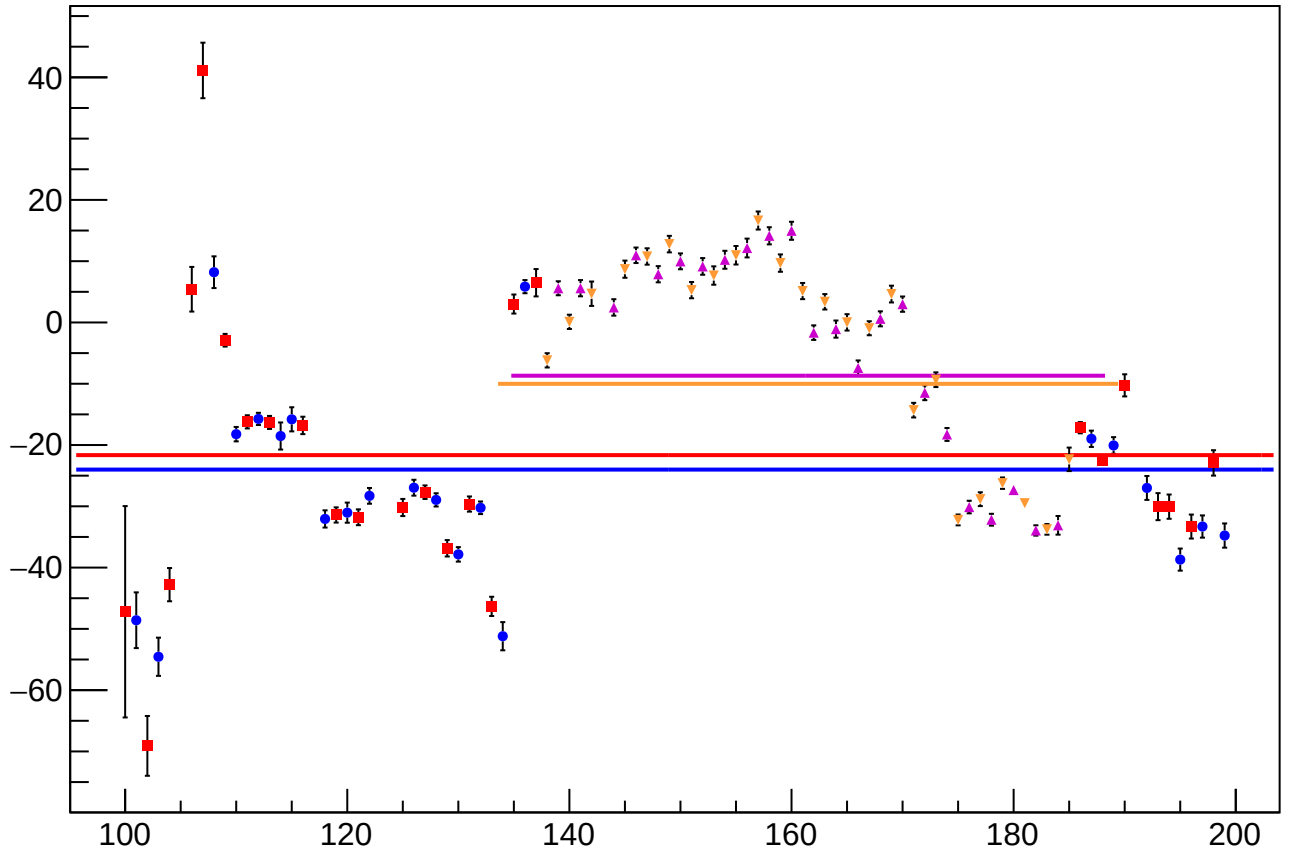
Right Out: 13.666+/-0.040 χ^2/NDF: 327640.9/24

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

\+ sign -0.997+/-0.014 χ^2/NDF: 768498.8/45

All: -1.379+/-0.010 χ^2/NDF: 1602122.1/93

\- sign -1.764+/-0.014 χ^2/NDF: 832211.3/47



Right In: -24.008+/-0.310 χ^2/NDF: 1719.5/21

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

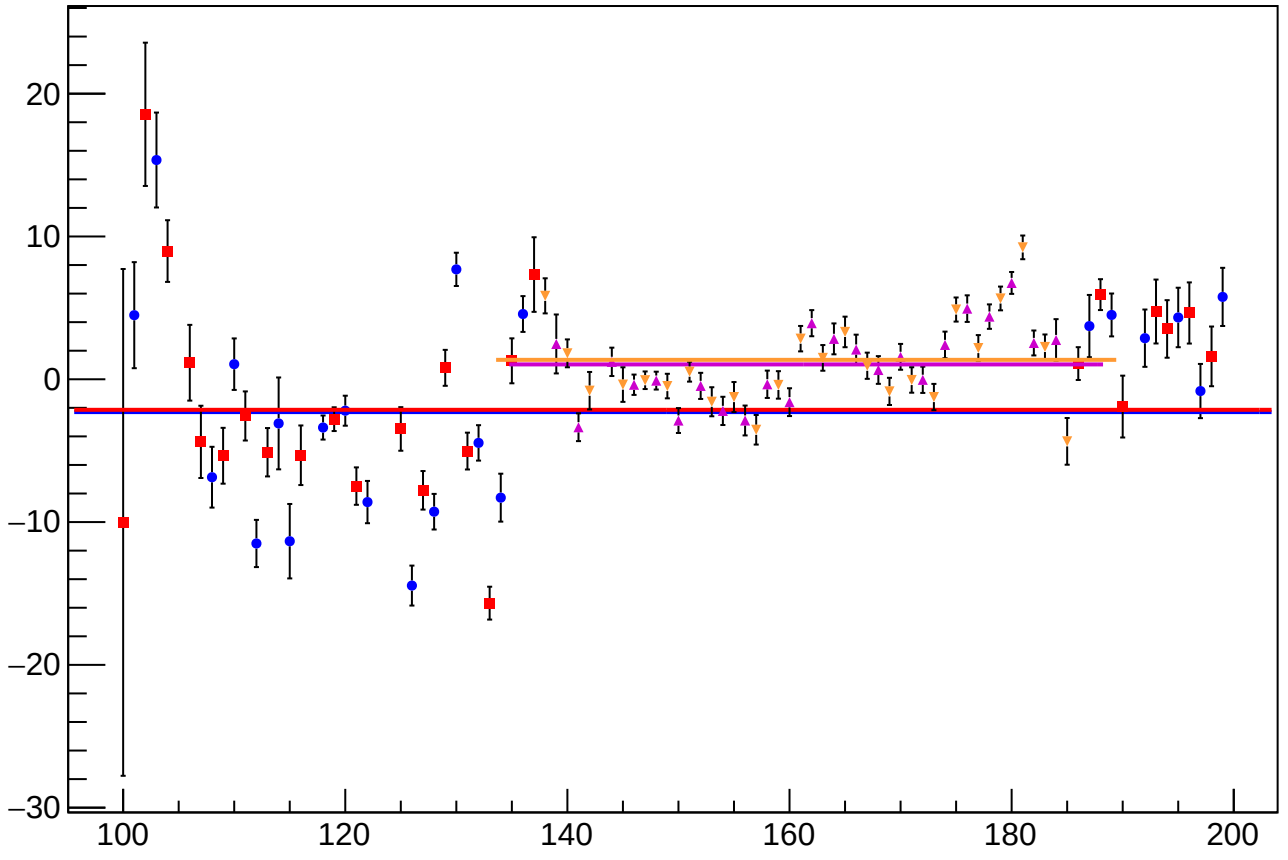
Right Out: -21.647+/-0.284 χ^2/NDF: 1946.7/24

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -15.367+/-0.192 χ^2/NDF: 7952.3/45

All: -14.814+/-0.134 χ^2/NDF: 16120.1/93

- sign -14.290+/-0.187 χ^2/NDF: 8151.6/47



Right In: -2.298+/-0.329 χ^2/NDF: 389.7/21

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

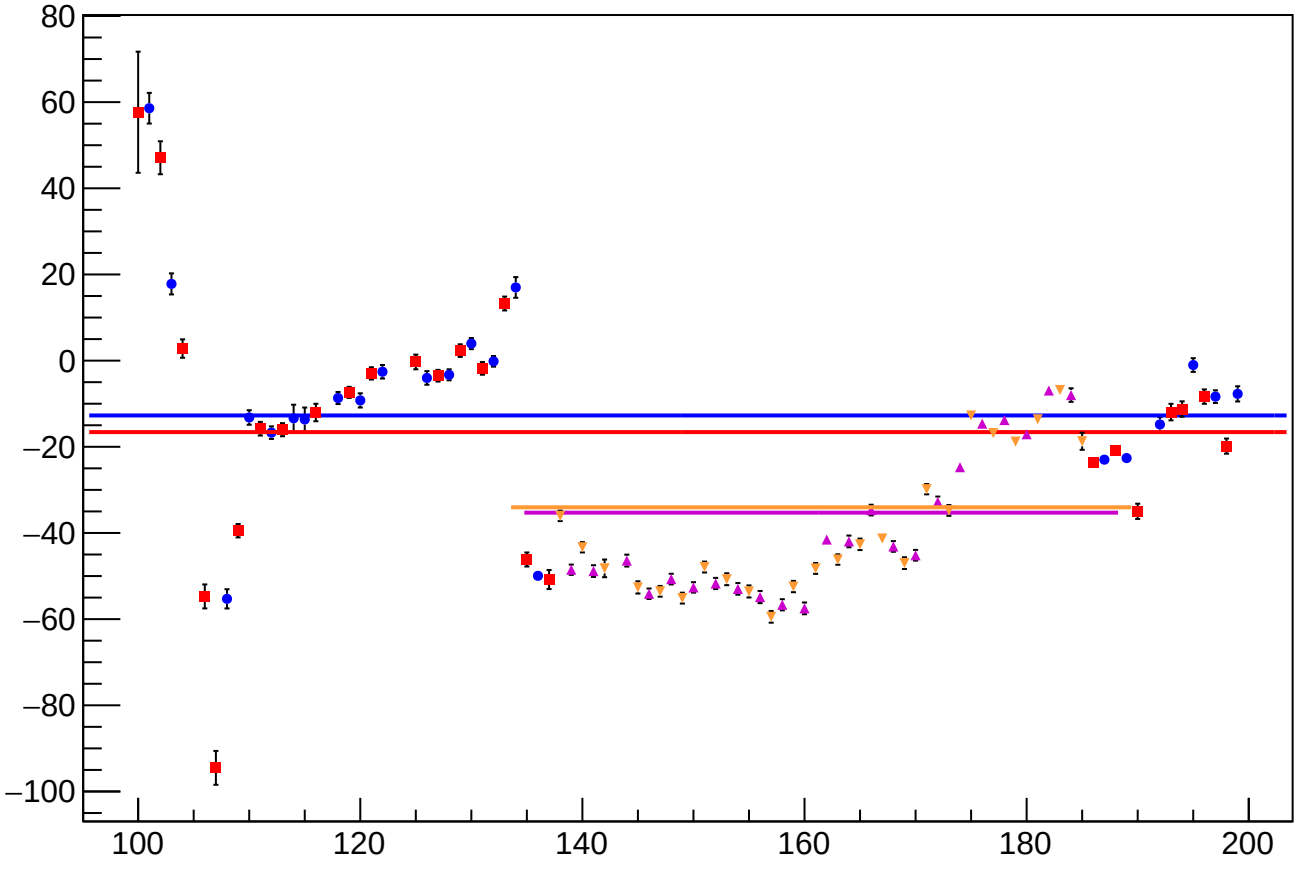
Right Out: -2.139+/-0.316 χ^2/NDF: 350.6/24

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.457+/-0.163 χ^2/NDF: 723.4/45

All: 0.320+/-0.116 χ^2/NDF: 1345.2/93

- sign 0.182+/-0.164 χ^2/NDF: 620.4/47



Right In: -12.725+/-0.330 χ^2/NDF: 2904.8/21

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

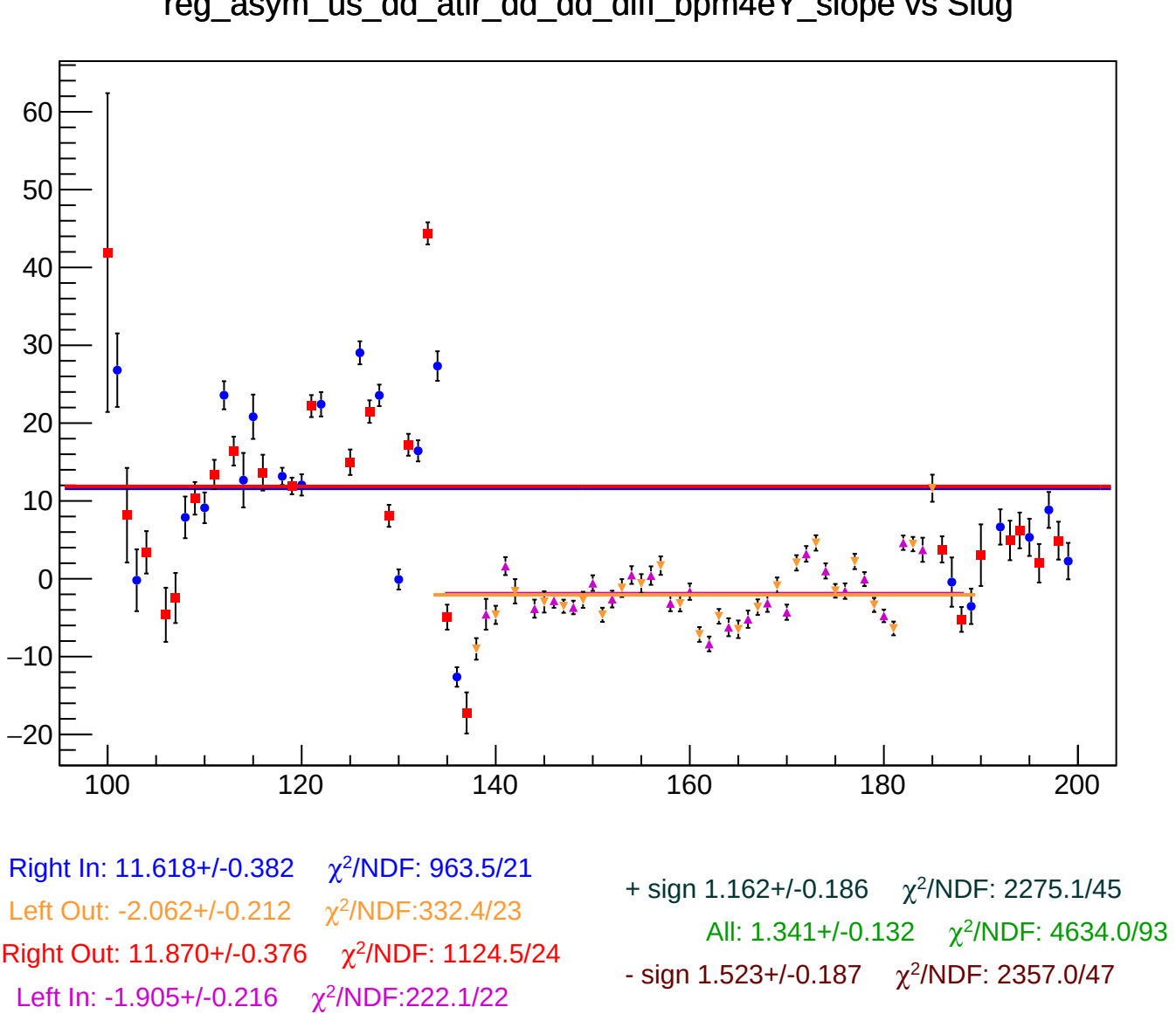
Right Out: -16.588+/-0.290 χ^2/NDF: 2991.0/24

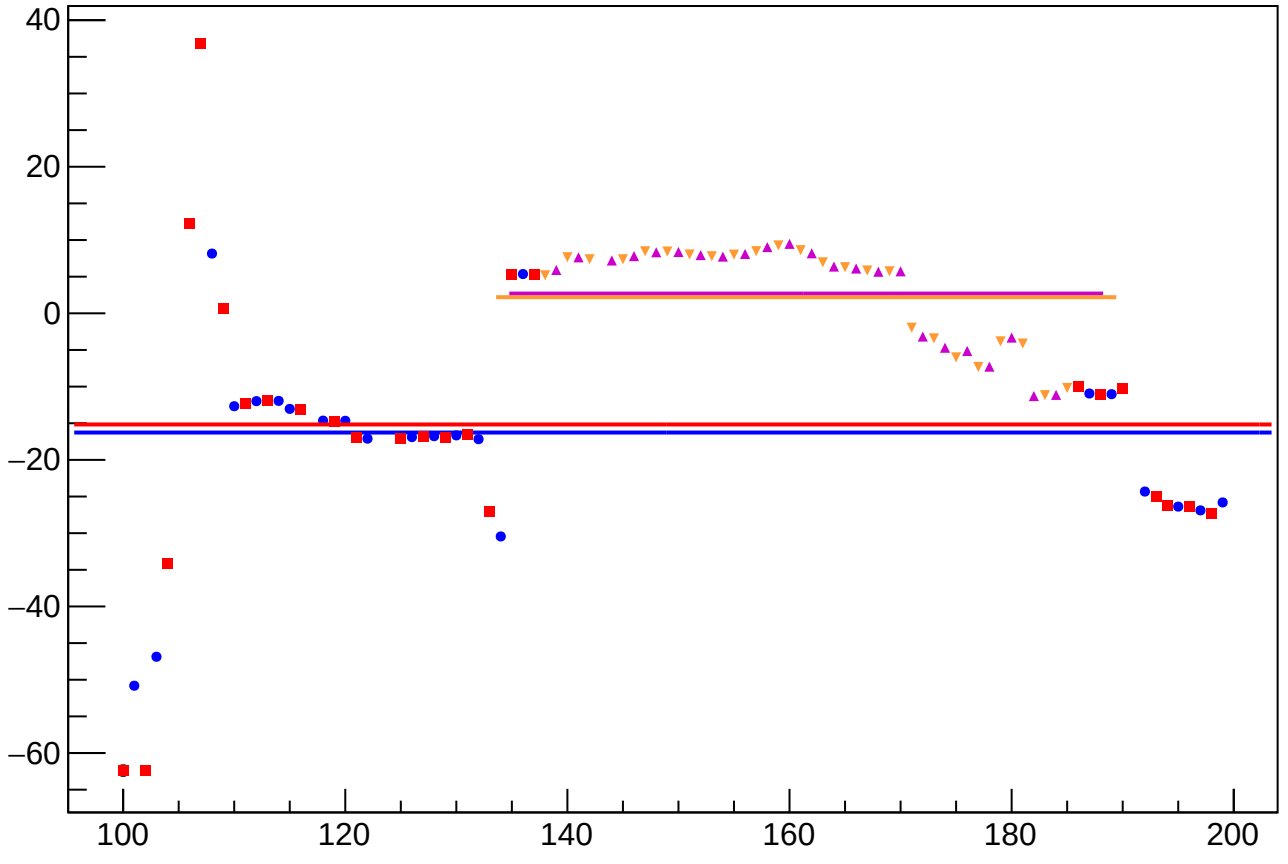
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -26.571+/-0.196 χ^2/NDF: 10574.8/45

All: -27.052+/-0.135 χ^2/NDF: 20994.1/93

\- 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: 11.618+/-0.382 χ²/NDF: 963.5/21
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 1.162+/-0.186 χ²/NDF: 2275.1/45
All: 1.341+/-0.132 χ²/NDF: 4634.0/93
- sign 1.523+/-0.187 χ²/NDF: 2357.0/47



Right In: -16.268+/-0.021 χ^2/NDF: 468605.0/21

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -15.169+/-0.021 χ^2/NDF: 528954.3/24

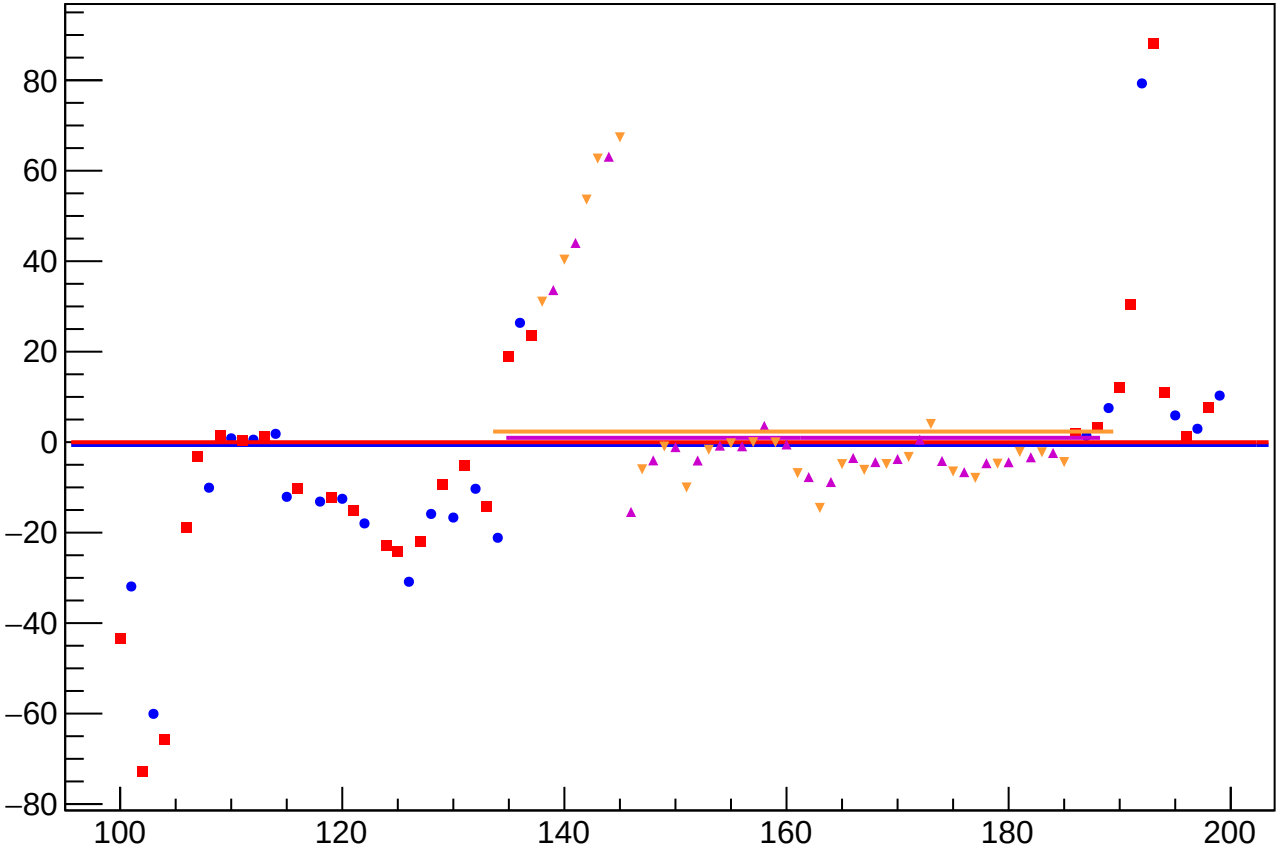
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -1.060+/-0.009 χ^2/NDF: 1644494.3/45

All: -0.773+/-0.006 χ^2/NDF: 3296204.2/93

\- sign -0.482+/-0.009 χ^2/NDF: 1649467.3/47

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -0.622+/-0.046 χ^2/NDF: 115556.0/21

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -0.019+/-0.039 χ^2/NDF: 115902.0/26

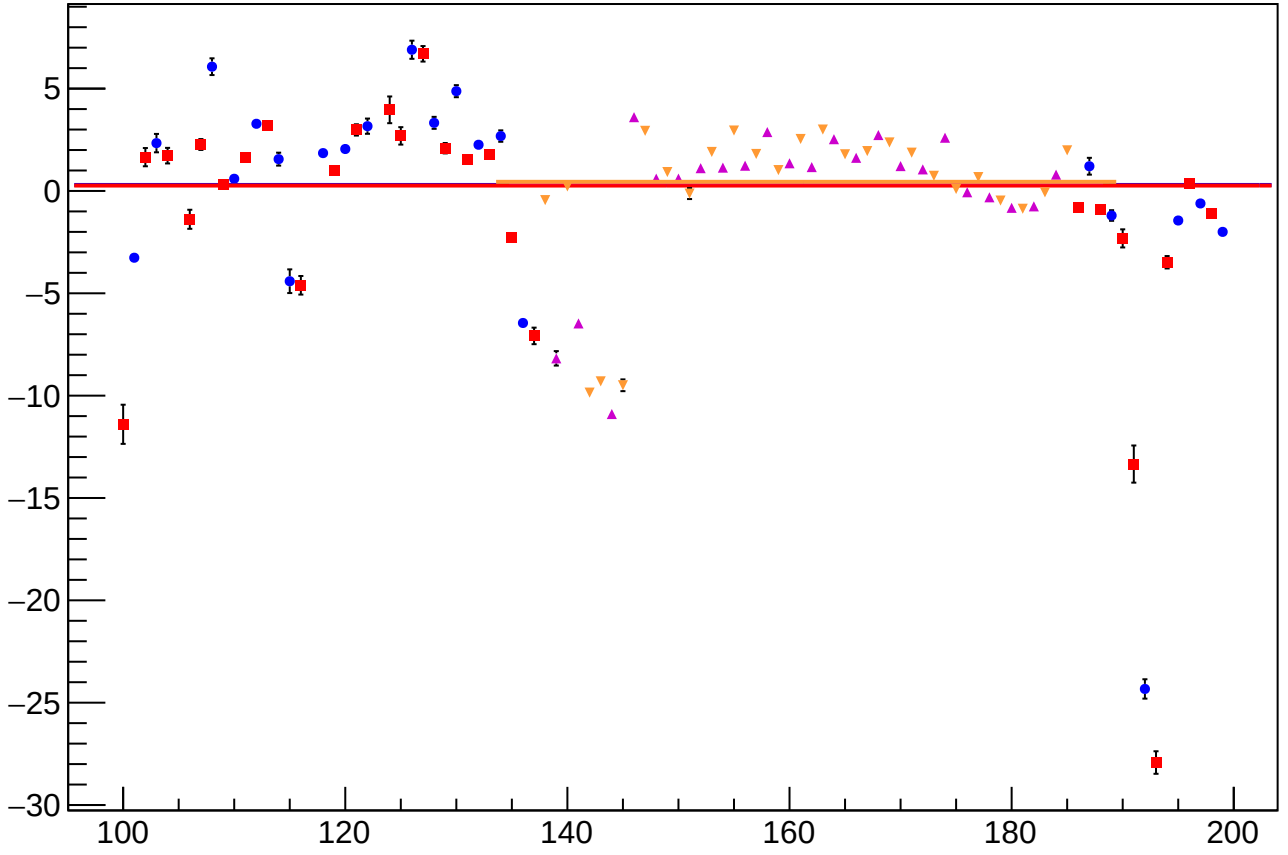
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.059+/-0.030 χ^2/NDF: 294885.7/46

All: 0.732+/-0.021 χ^2/NDF: 543828.9/96

- sign 0.456+/-0.028 χ^2/NDF: 248728.8/49

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.293+/-0.051 χ^2/NDF: 5775.1/21

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.264+/-0.048 χ^2/NDF: 4952.8/26

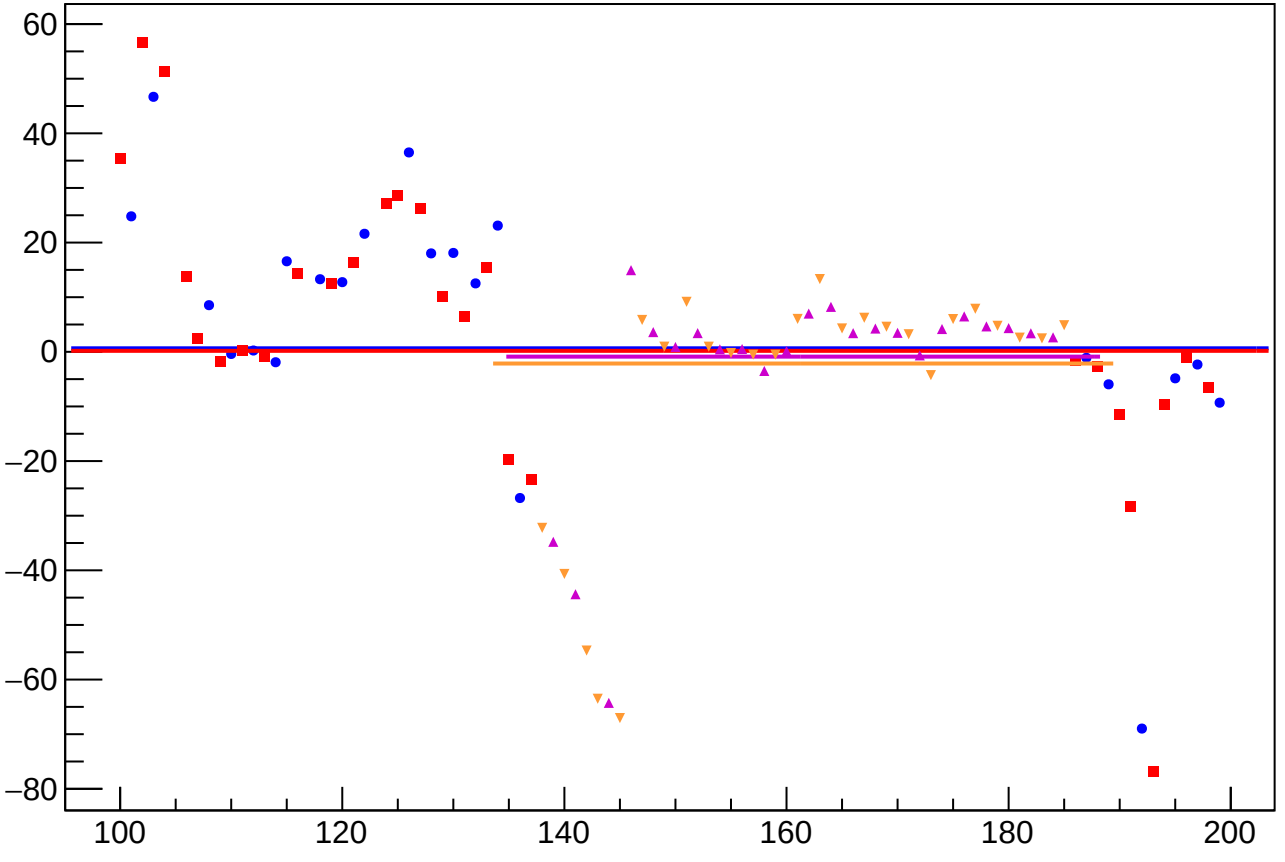
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.402+/-0.028 χ^2/NDF: 12825.7/46

All: 0.390+/-0.019 χ^2/NDF: 24889.2/96

- sign 0.379+/-0.026 χ^2/NDF: 12063.1/49

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 0.644+/-0.048 χ^2/NDF: 114786.7/21

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 0.182+/-0.042 χ^2/NDF: 114353.4/26

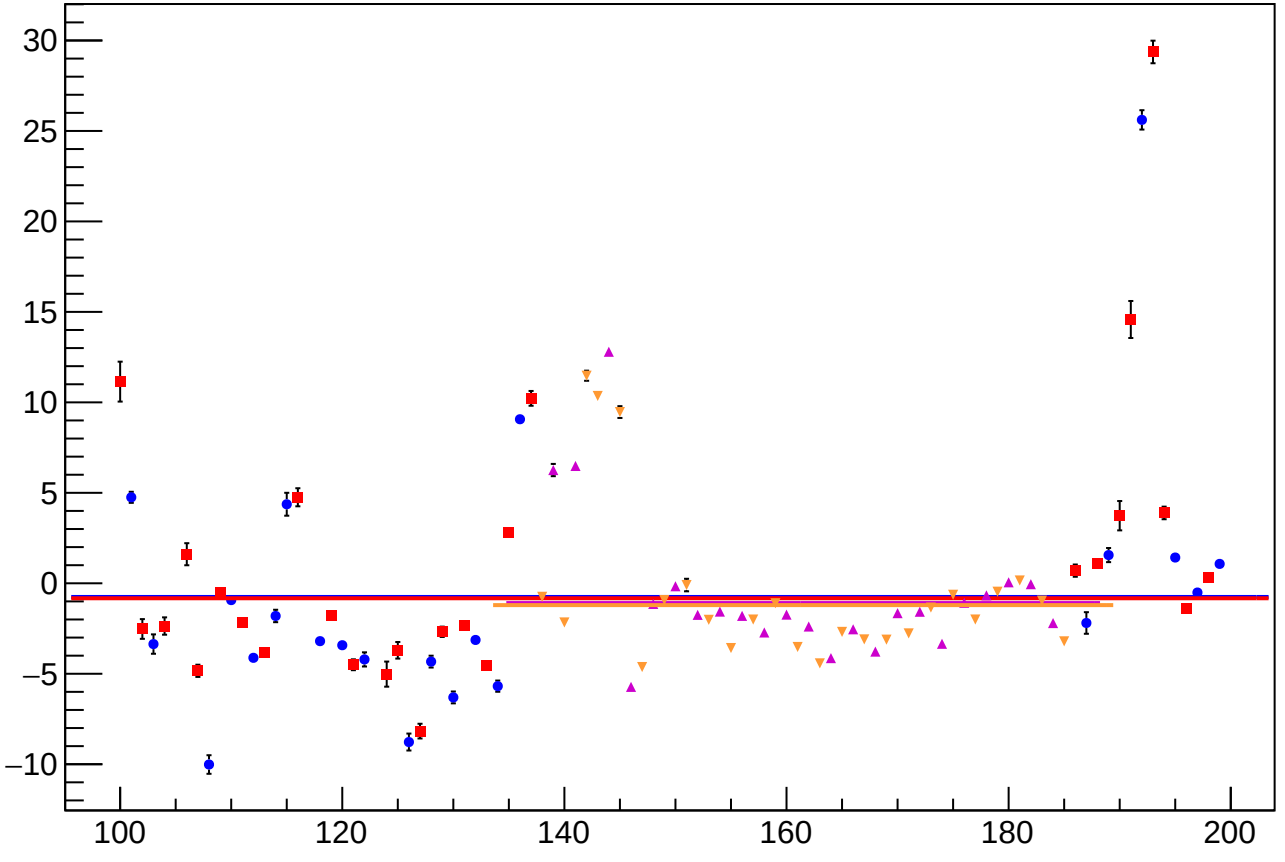
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

\+ sign -1.004+/-0.031 χ^2/NDF: 288017.6/46

All: -0.671+/-0.021 χ^2/NDF: 532125.0/96

\- sign -0.385+/-0.029 χ^2/NDF: 243892.4/49

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.756+/-0.060 χ^2/NDF: 7293.5/21

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

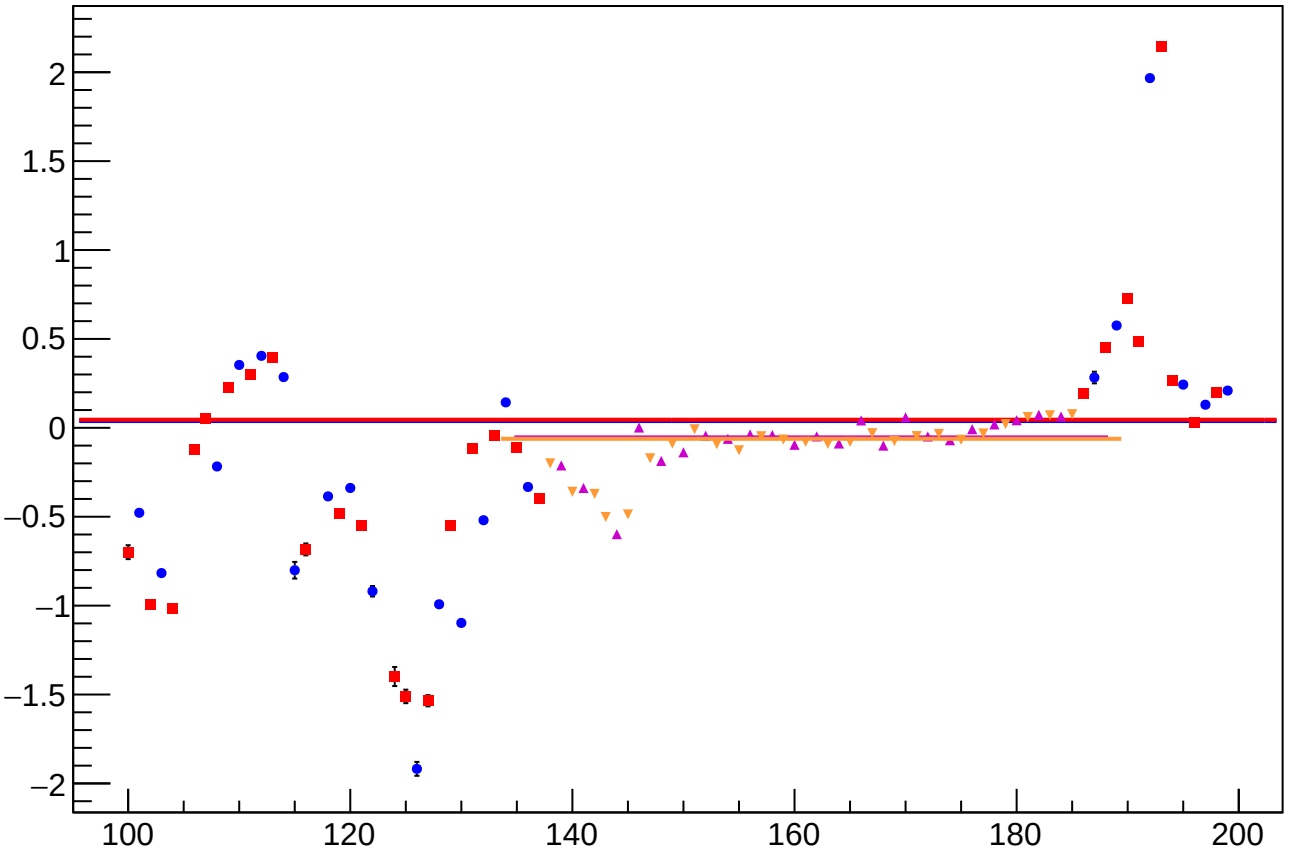
Right Out: -0.827+/-0.056 χ^2/NDF: 5520.3/26

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.086+/-0.031 χ^2/NDF: 14337.5/46

All: -1.052+/-0.021 χ^2/NDF: 26905.4/96

- sign -1.020+/-0.030 χ^2/NDF: 12565.5/49



Right In: 0.038+/-0.003 χ^2/NDF: 33199.4/21

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.046+/-0.003 χ^2/NDF: 33240.1/26

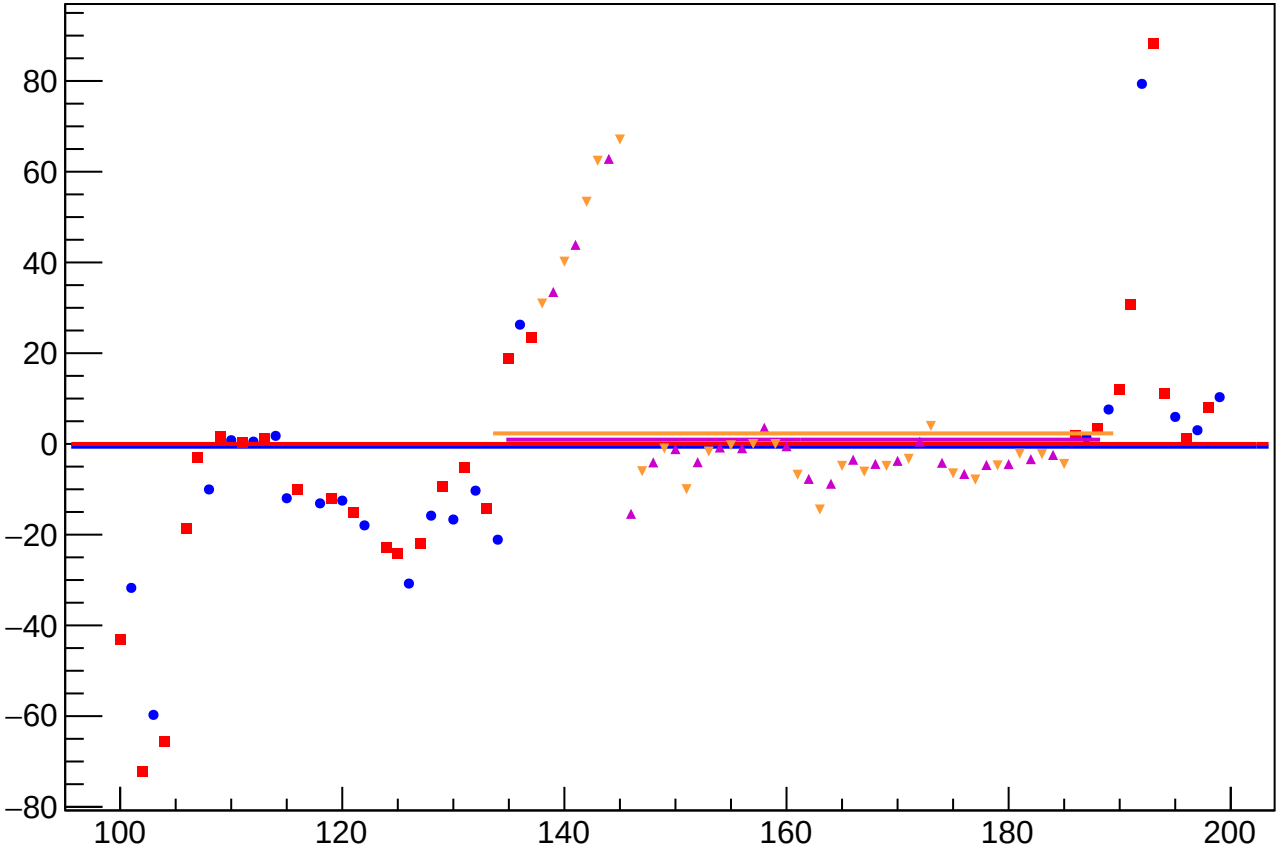
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.038+/-0.001 χ^2/NDF: 39851.4/46

All: -0.035+/-0.001 χ^2/NDF: 79113.5/96

- sign -0.032+/-0.001 χ^2/NDF: 39251.8/49

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -0.613+/-0.046 χ^2/NDF: 115960.0/21

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -0.005+/-0.039 χ^2/NDF: 116364.0/26

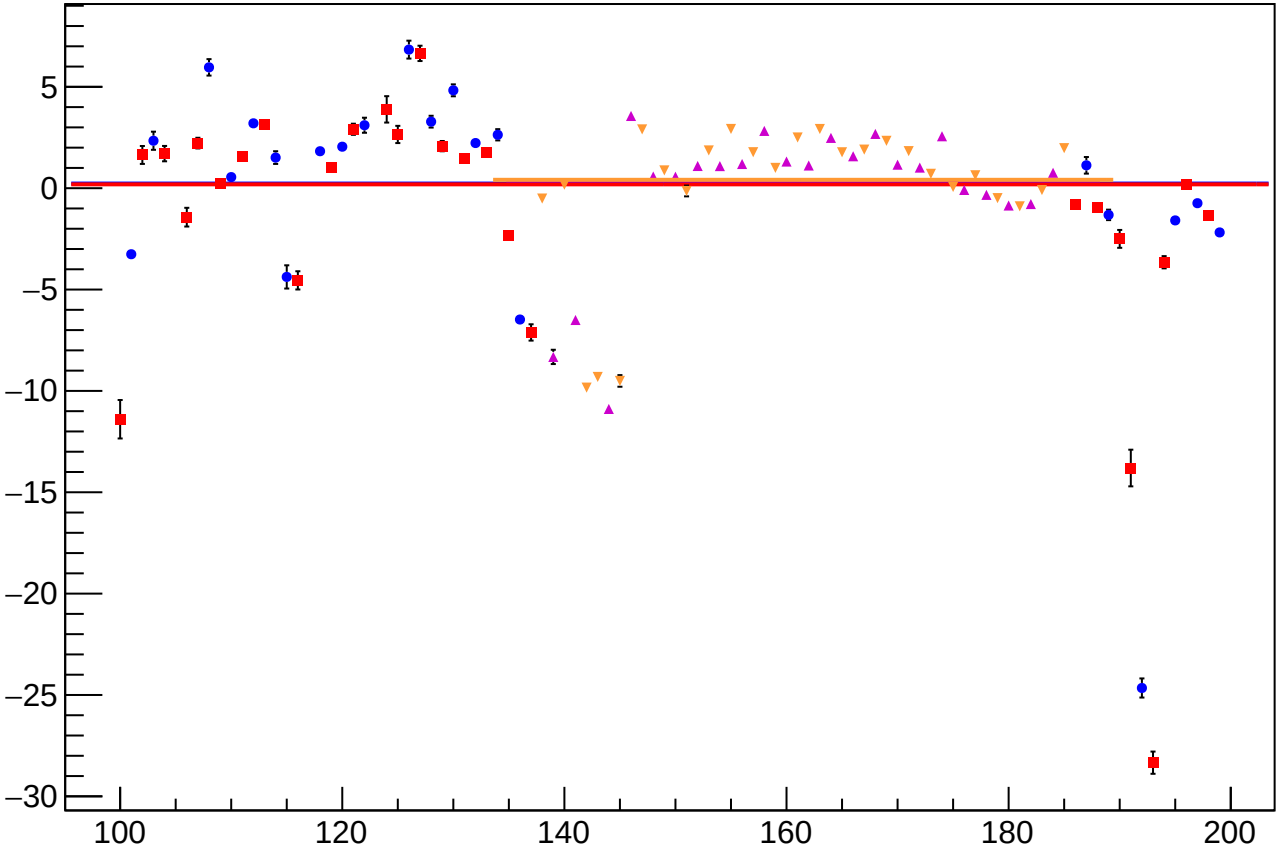
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.046+/-0.030 χ^2/NDF: 295021.1/46

All: 0.723+/-0.020 χ^2/NDF: 544289.1/96

- sign 0.450+/-0.028 χ^2/NDF: 249056.9/49

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.229+/-0.051 χ^2/NDF: 5899.2/21

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.190+/-0.048 χ^2/NDF: 5107.4/26

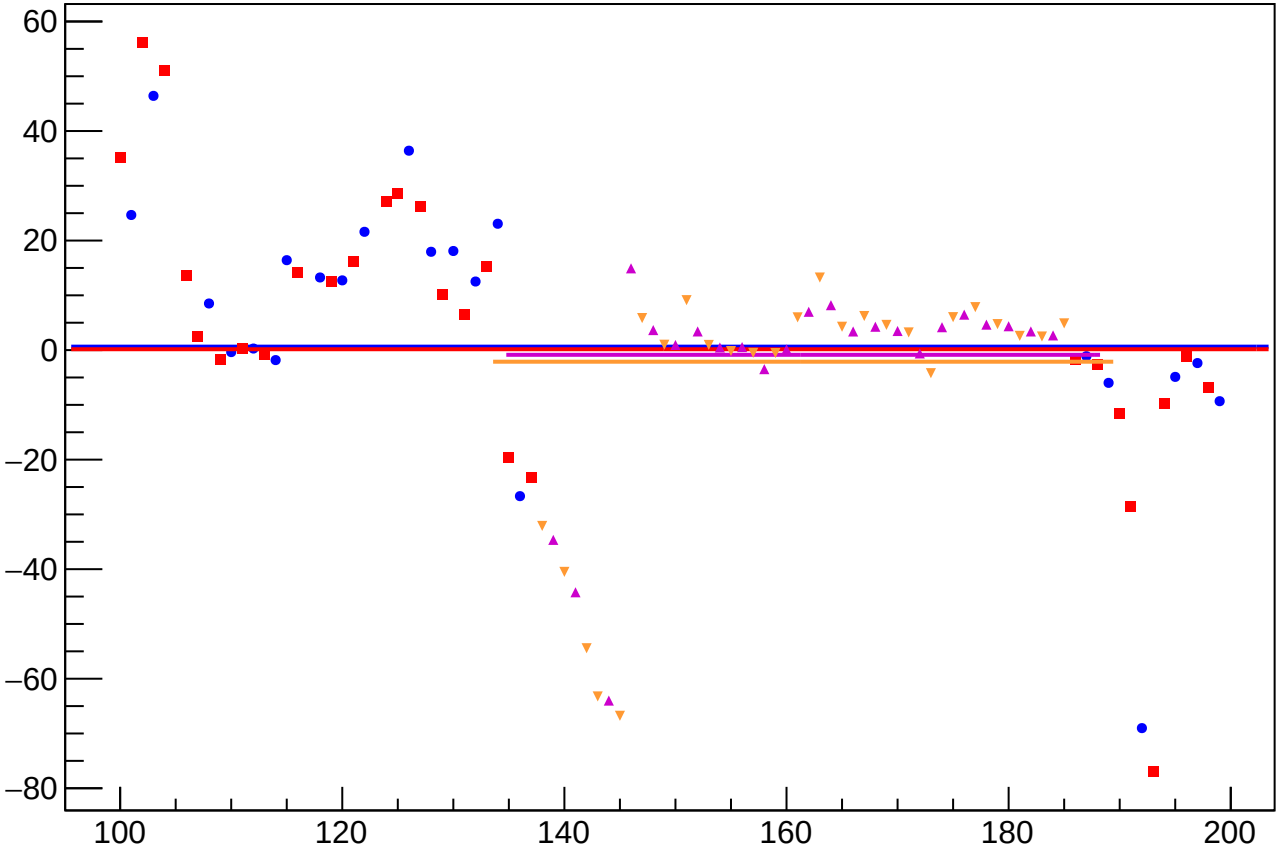
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.360+/-0.028 χ^2/NDF: 12955.8/46

All: 0.344+/-0.019 χ^2/NDF: 25190.1/96

- sign 0.329+/-0.026 χ^2/NDF: 12233.7/49

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 0.630+/-0.048 χ^2/NDF: 115178.4/21

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 0.159+/-0.042 χ^2/NDF: 114811.8/26

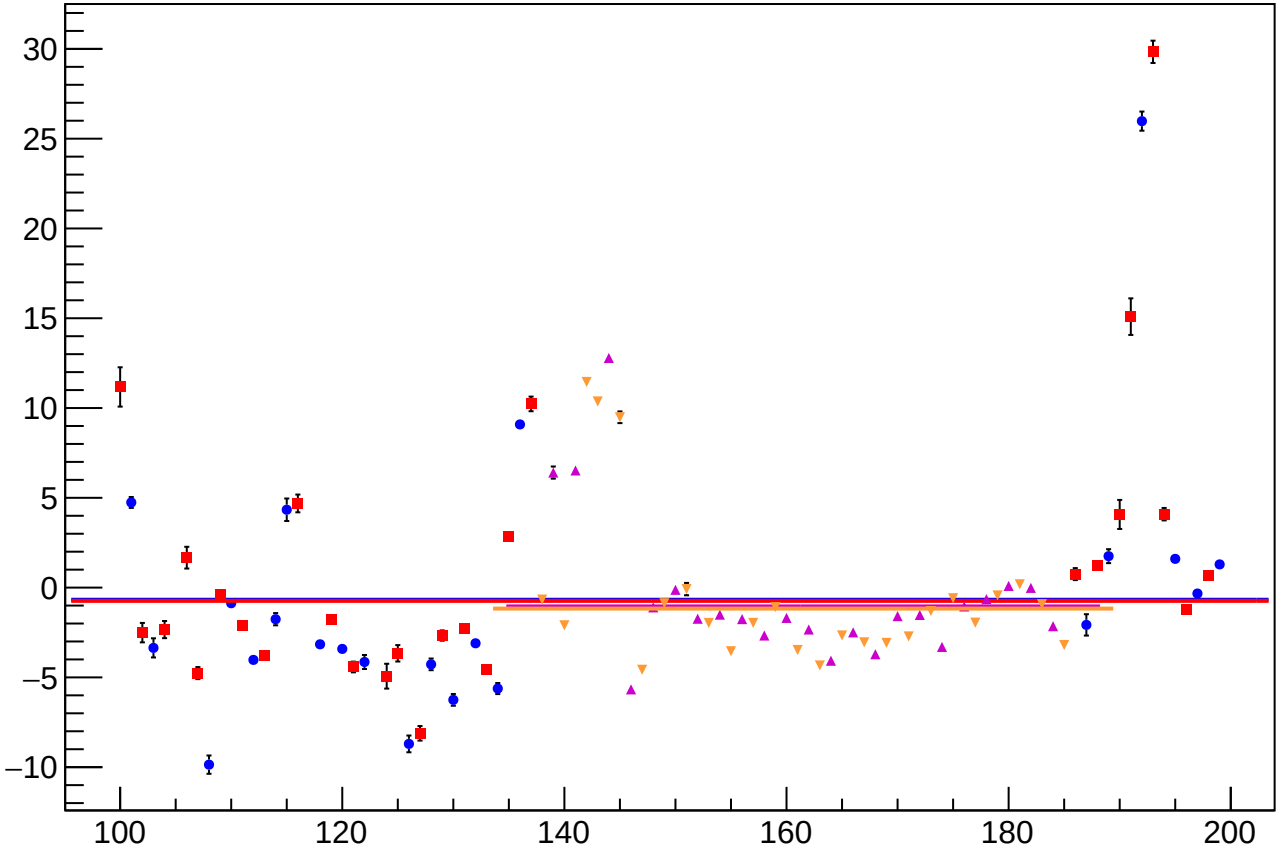
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -0.993+/-0.031 χ^2/NDF: 288142.1/46

All: -0.664+/-0.021 χ^2/NDF: 532566.3/96

- sign -0.381+/-0.029 χ^2/NDF: 244212.3/49

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.677+/-0.060 χ^2/NDF: 7401.9/21

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.738+/-0.056 χ^2/NDF: 5666.0/26

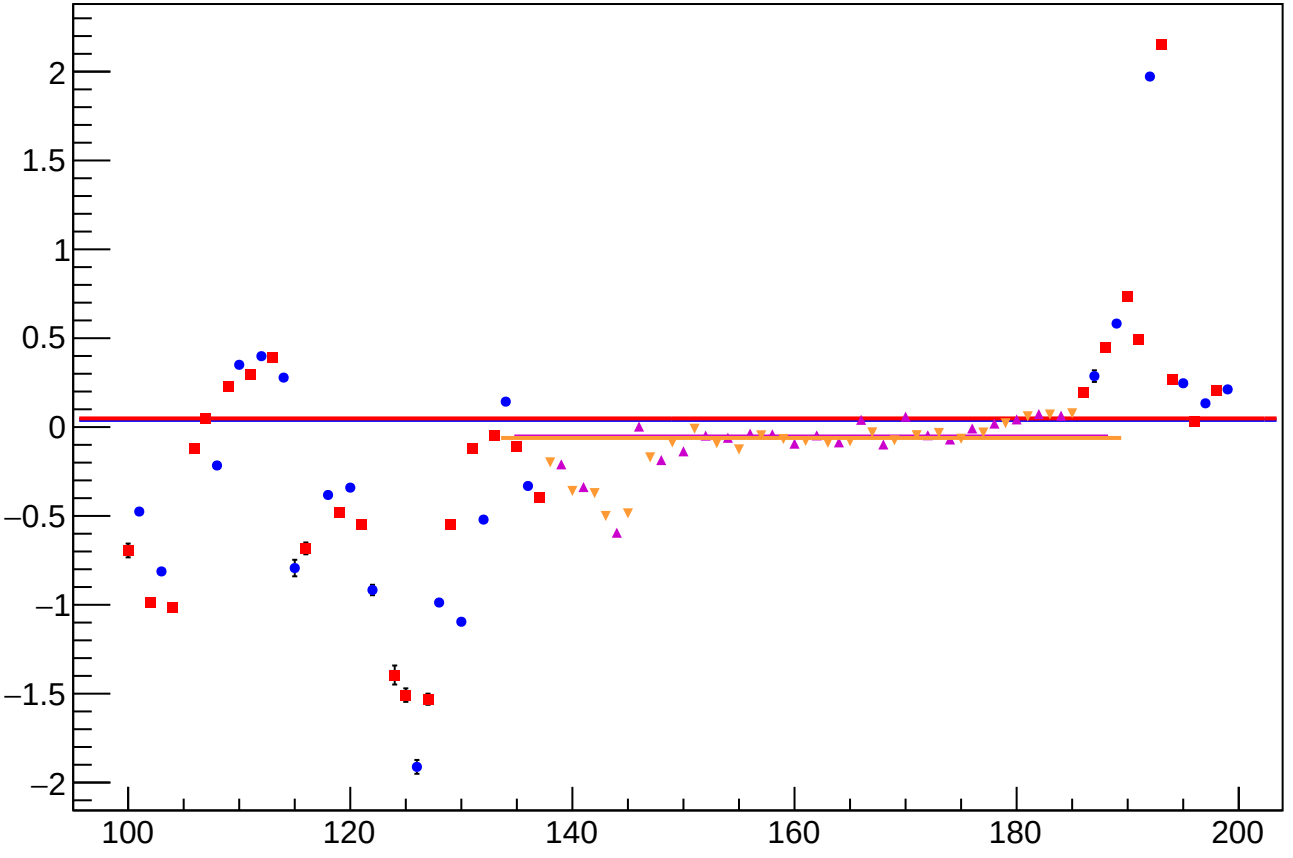
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.036+/-0.031 χ^2/NDF: 14452.4/46

All: -0.998+/-0.021 χ^2/NDF: 27184.2/96

- sign -0.963+/-0.030 χ^2/NDF: 12728.8/49

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.040+/-0.003 χ^2/NDF: 33465.9/21

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.049+/-0.003 χ^2/NDF: 33545.2/26

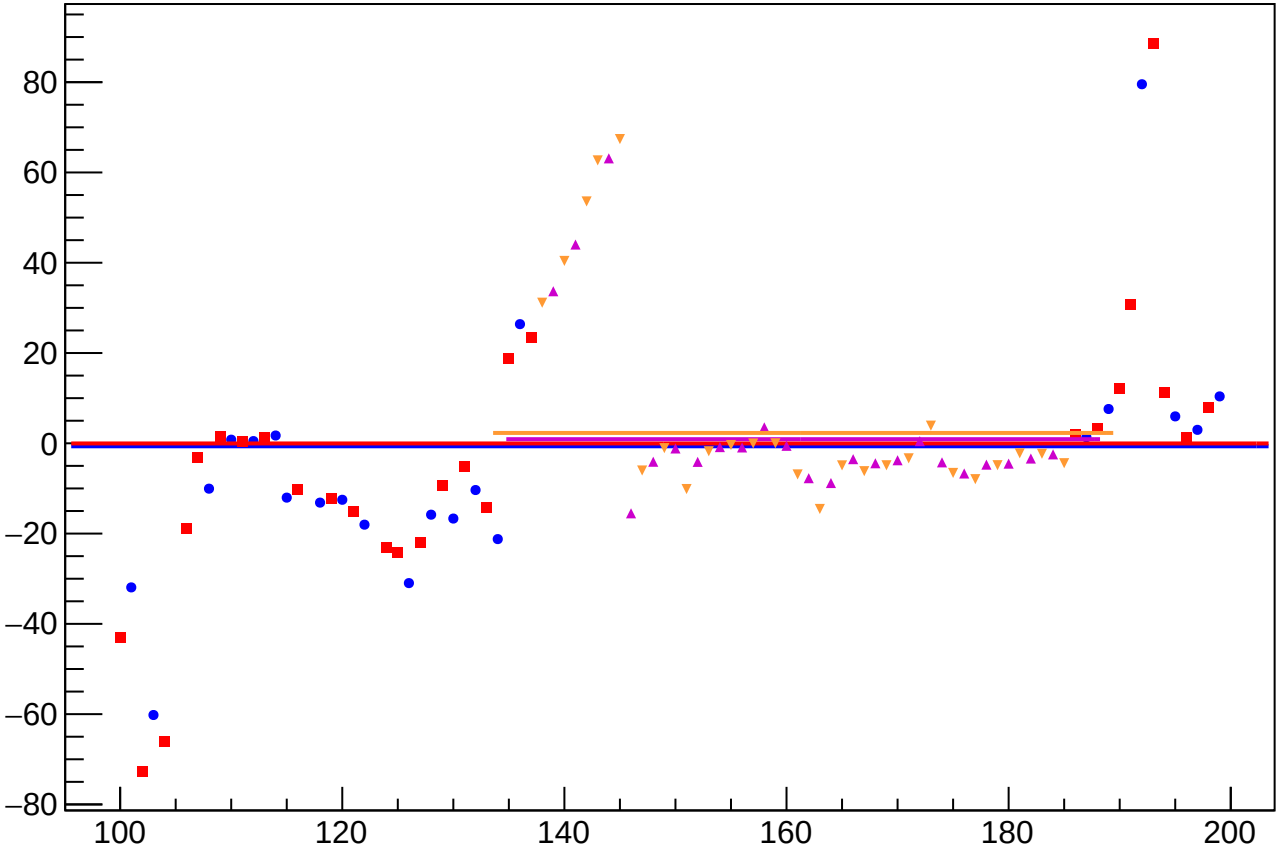
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.037+/-0.001 χ^2/NDF: 40178.9/46

All: -0.034+/-0.001 χ^2/NDF: 79777.1/96

- sign -0.030+/-0.001 χ^2/NDF: 39586.4/49

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -0.661+/-0.046 χ^2/NDF: 115953.7/21

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -0.033+/-0.039 χ^2/NDF: 116379.4/26

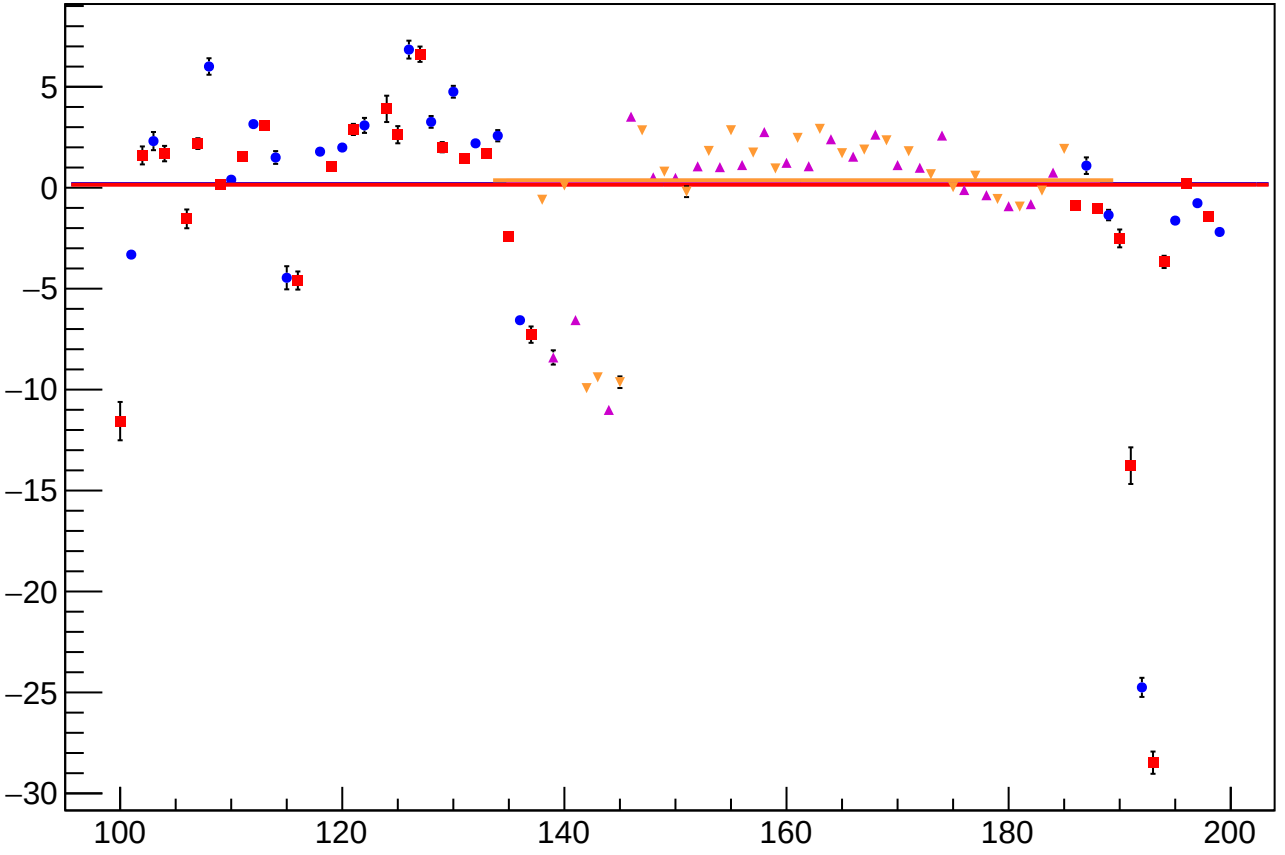
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.016+/-0.030 χ^2/NDF: 295469.3/46

All: 0.696+/-0.021 χ^2/NDF: 544916.2/96

- sign 0.426+/-0.028 χ^2/NDF: 249241.3/49

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.182+/-0.051 χ^2/NDF: 5883.5/21

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.150+/-0.048 χ^2/NDF: 5108.1/26

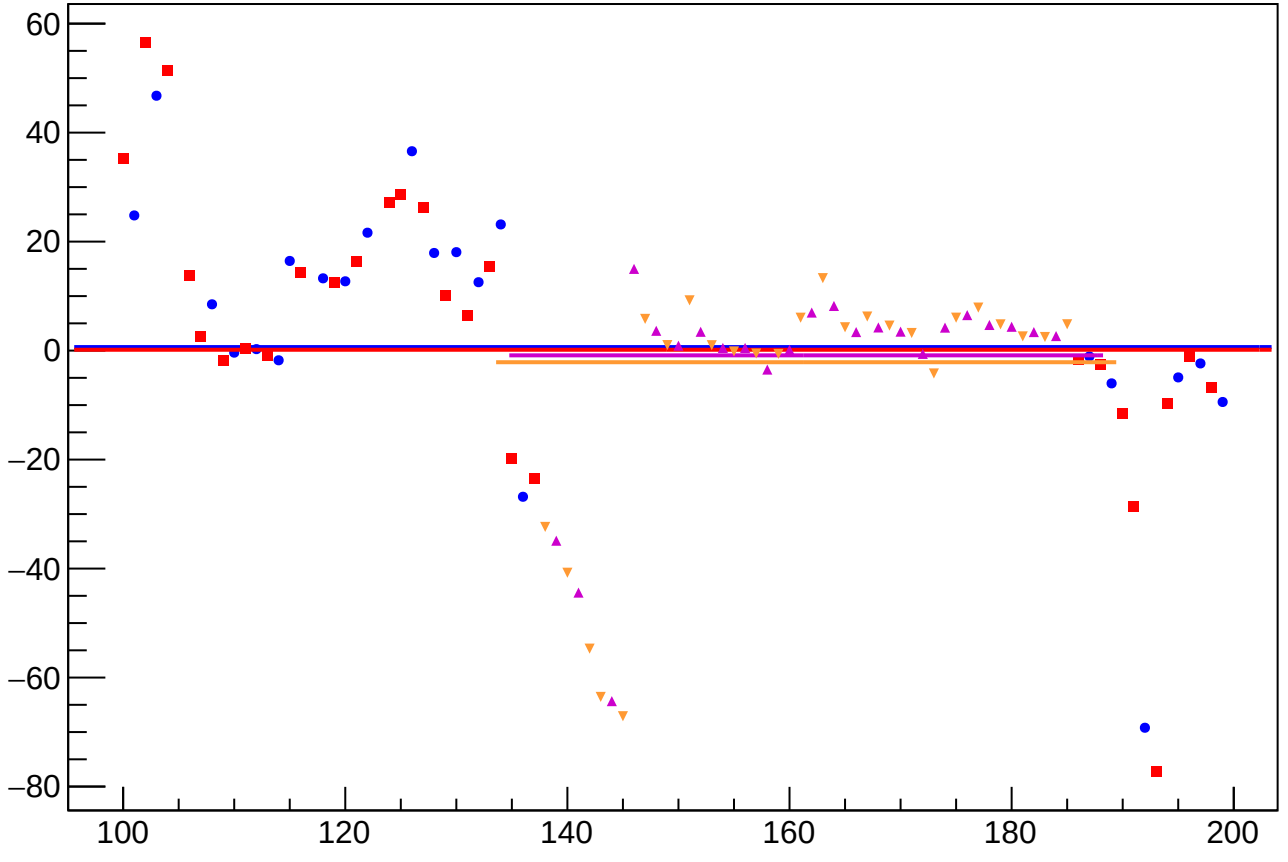
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.314+/-0.028 χ^2/NDF: 12960.7/46

All: 0.296+/-0.019 χ^2/NDF: 25174.4/96

- sign 0.281+/-0.026 χ^2/NDF: 12212.9/49

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 0.646+/-0.048 χ^2/NDF: 115186.5/21

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 0.155+/-0.042 χ^2/NDF: 114851.5/26

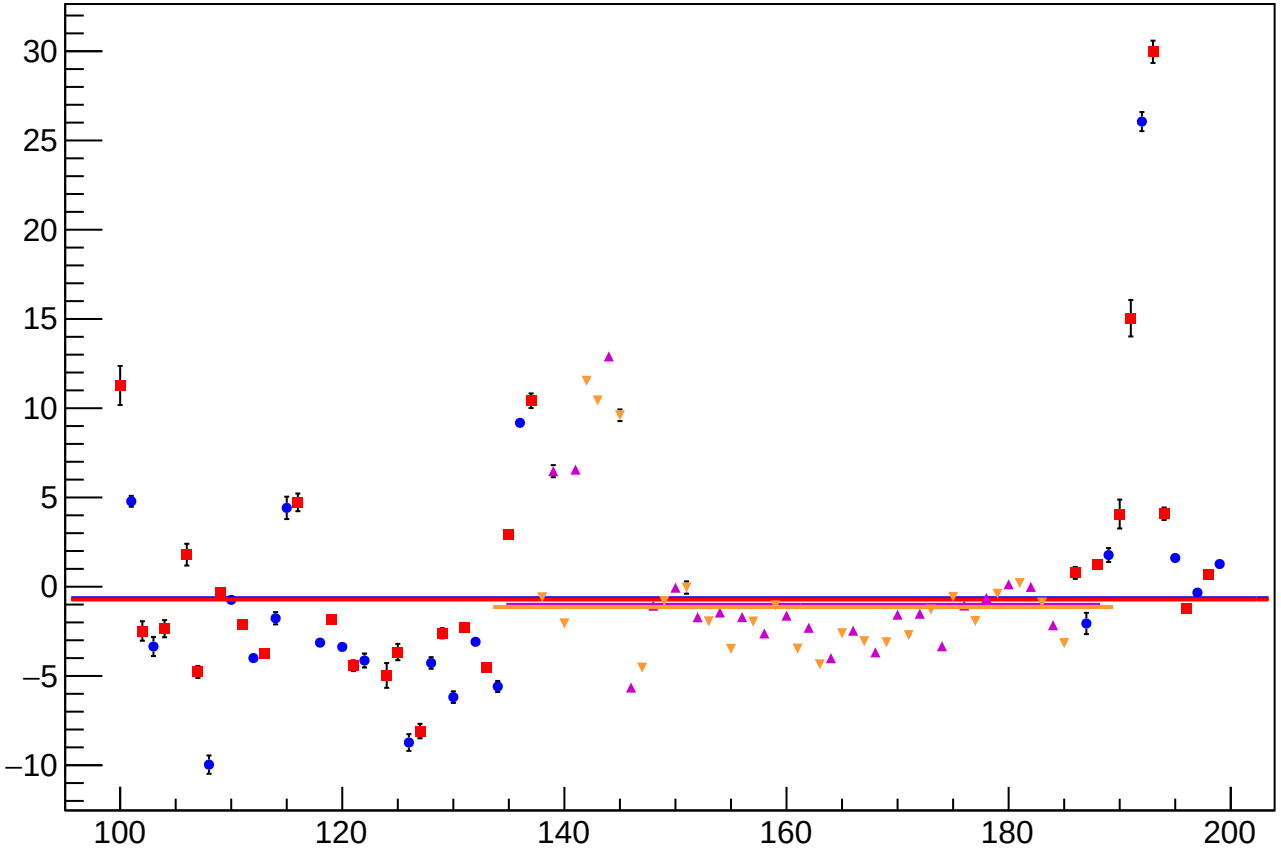
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -0.997+/-0.031 χ^2/NDF: 288598.7/46

All: -0.670+/-0.021 χ^2/NDF: 533239.3/96

- sign -0.390+/-0.029 χ^2/NDF: 244433.7/49

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.646+/-0.060 χ^2/NDF: 7394.4/21

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.716+/-0.056 χ^2/NDF: 5677.8/26

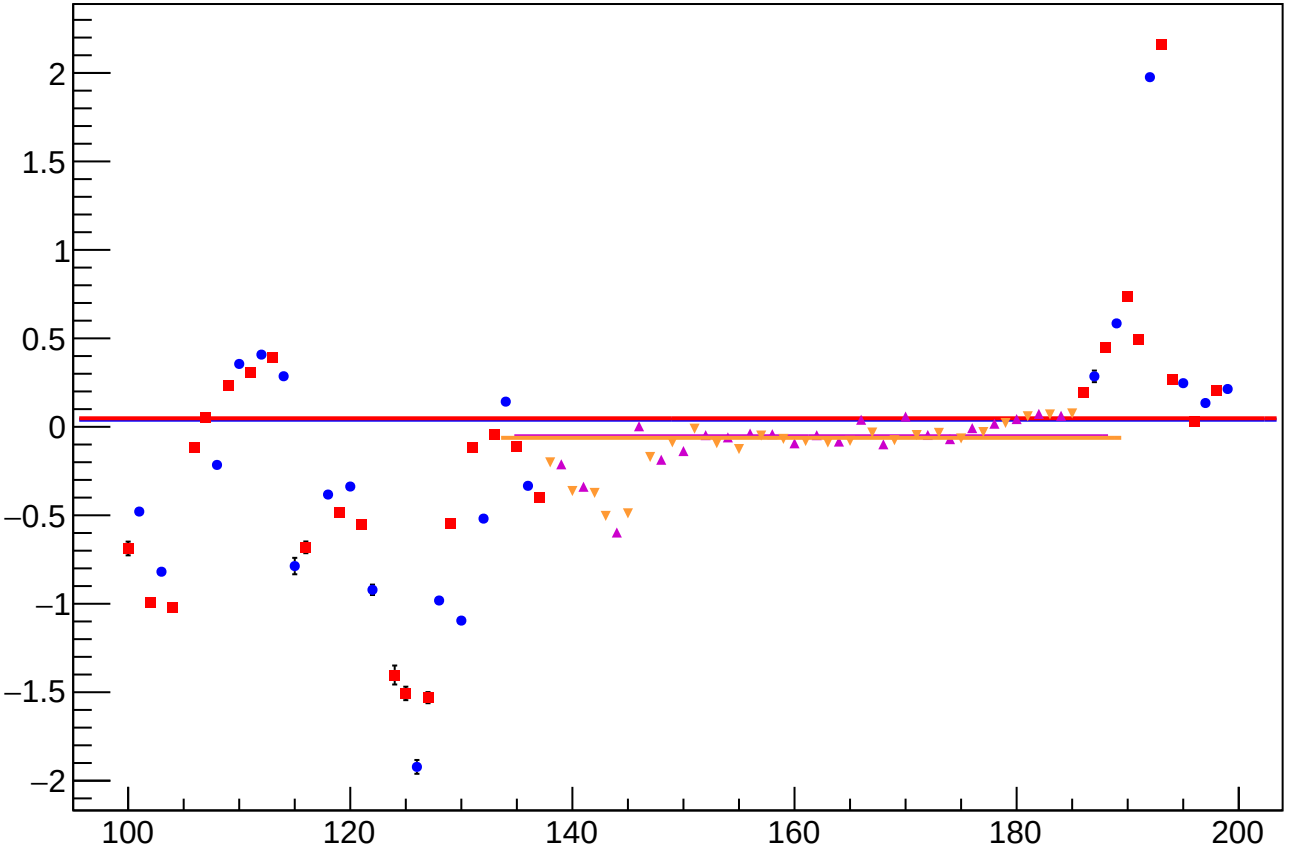
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.008+/-0.031 χ^2/NDF: 14466.7/46

All: -0.968+/-0.021 χ^2/NDF: 27195.0/96

- sign -0.931+/-0.030 χ^2/NDF: 12725.2/49

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.040+/-0.003 χ^2/NDF: 33458.9/21

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.048+/-0.003 χ^2/NDF: 33502.7/26

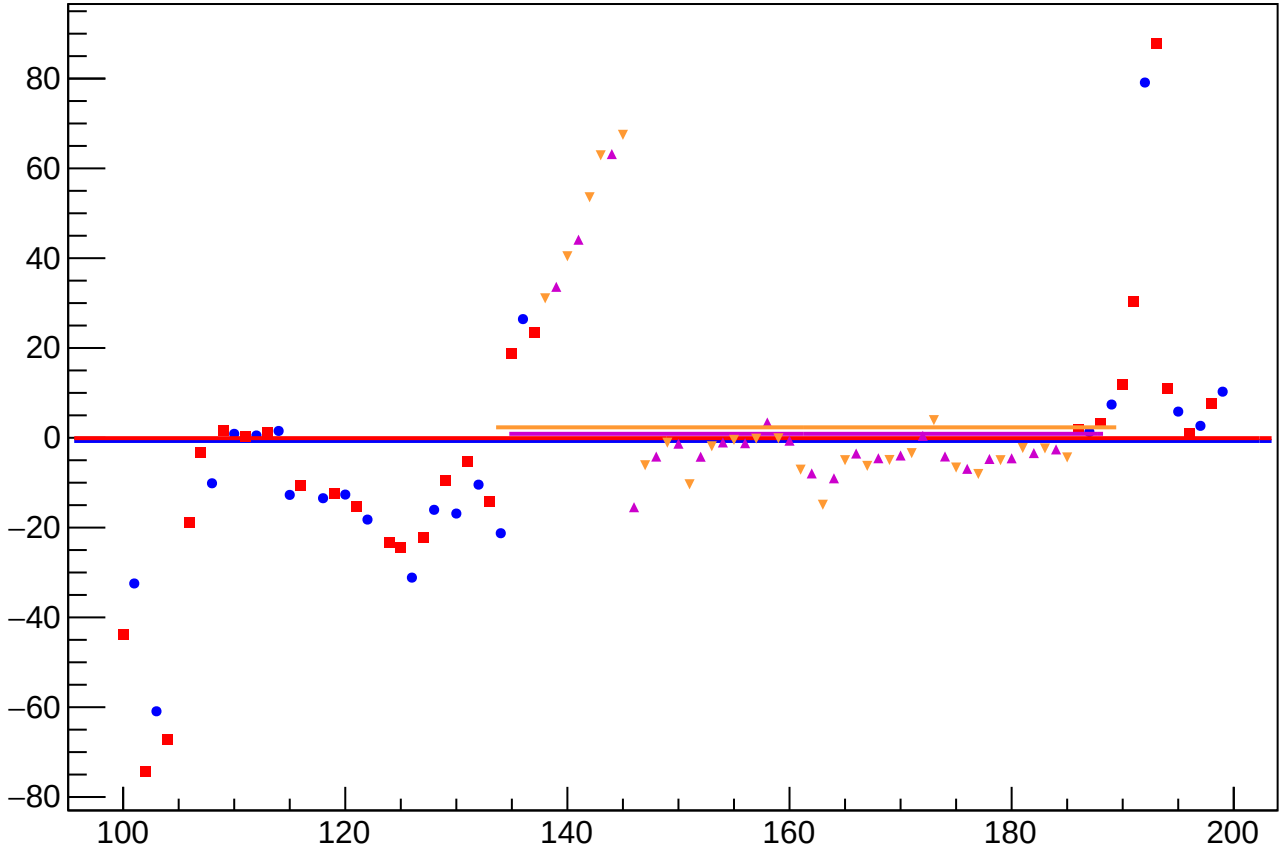
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.038+/-0.001 χ^2/NDF: 40182.4/46

All: -0.034+/-0.001 χ^2/NDF: 79714.3/96

- sign -0.031+/-0.001 χ^2/NDF: 39518.3/49

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -0.705+/-0.047 χ^2/NDF: 114135.6/21

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -0.083+/-0.040 χ^2/NDF: 114704.3/26

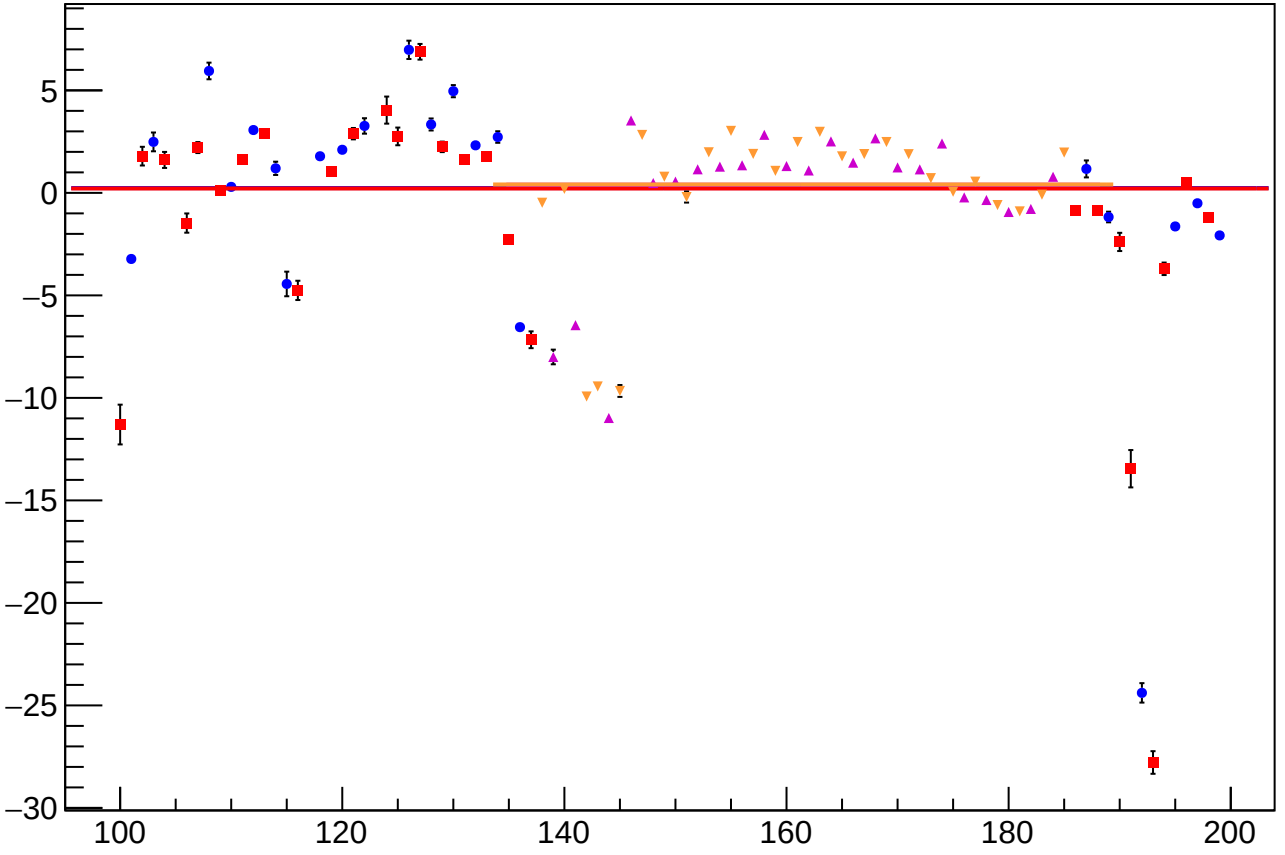
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.010+/-0.031 χ^2/NDF: 291155.4/46

All: 0.672+/-0.021 χ^2/NDF: 536789.8/96

- sign 0.387+/-0.028 χ^2/NDF: 245413.8/49

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.234+/-0.052 χ^2/NDF: 5719.9/21

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.214+/-0.049 χ^2/NDF: 4881.2/26

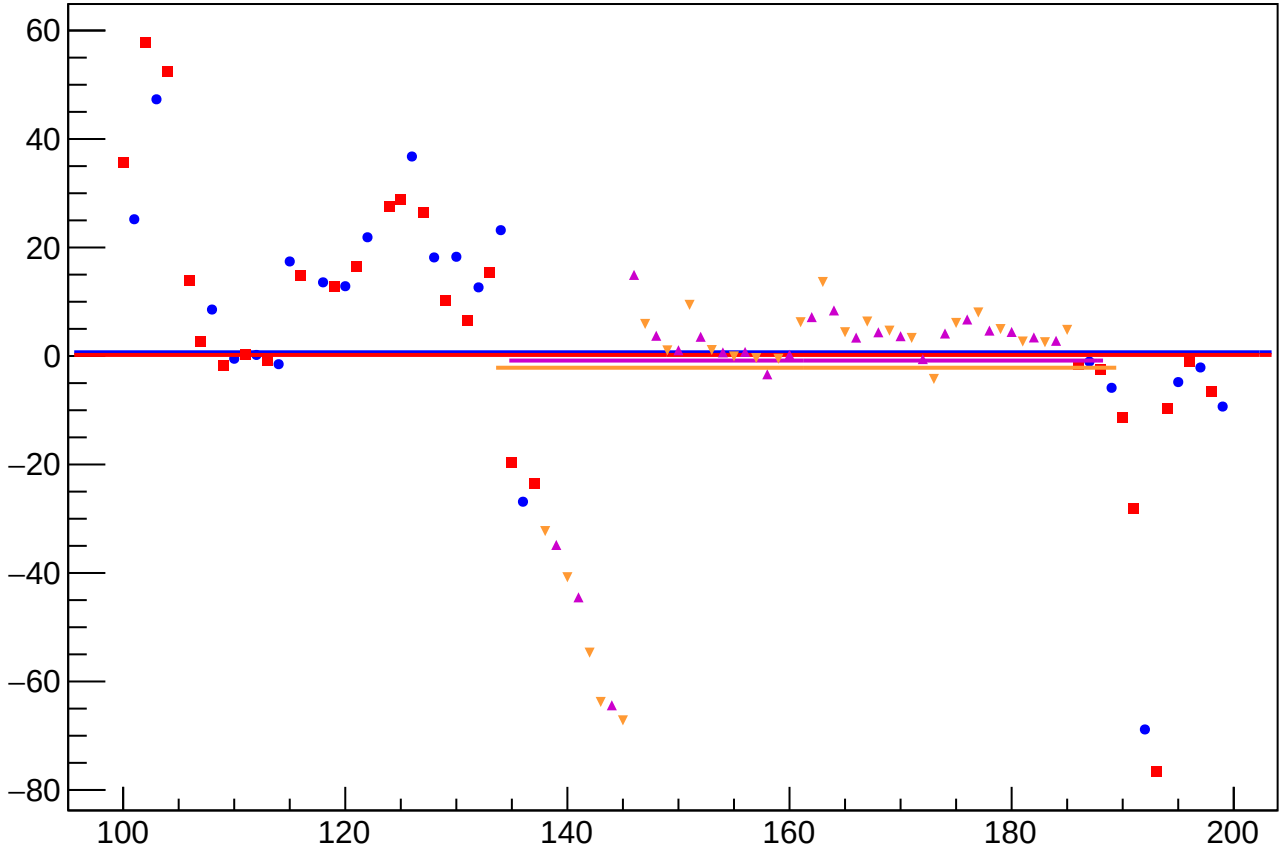
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.358+/-0.028 χ^2/NDF: 12775.8/46

All: 0.350+/-0.019 χ^2/NDF: 24598.9/96

- sign 0.341+/-0.027 χ^2/NDF: 11822.9/49

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 0.681+/-0.049 χ^2/NDF: 113401.3/21

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 0.197+/-0.042 χ^2/NDF: 113188.8/26

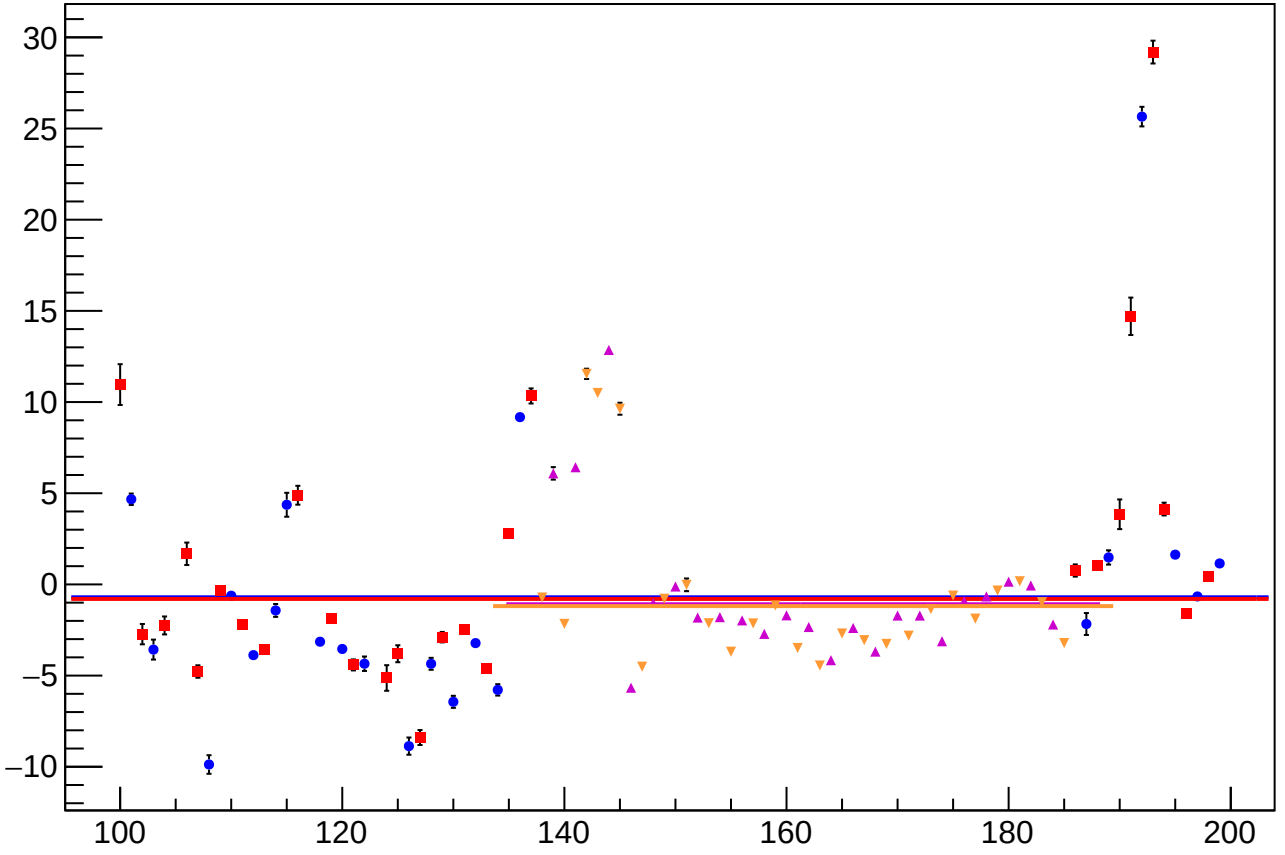
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -0.992+/-0.031 χ^2/NDF: 284368.4/46

All: -0.647+/-0.021 χ^2/NDF: 525232.2/96

- sign -0.351+/-0.029 χ^2/NDF: 240640.8/49

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.707+/-0.061 χ^2/NDF: 7232.5/21

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

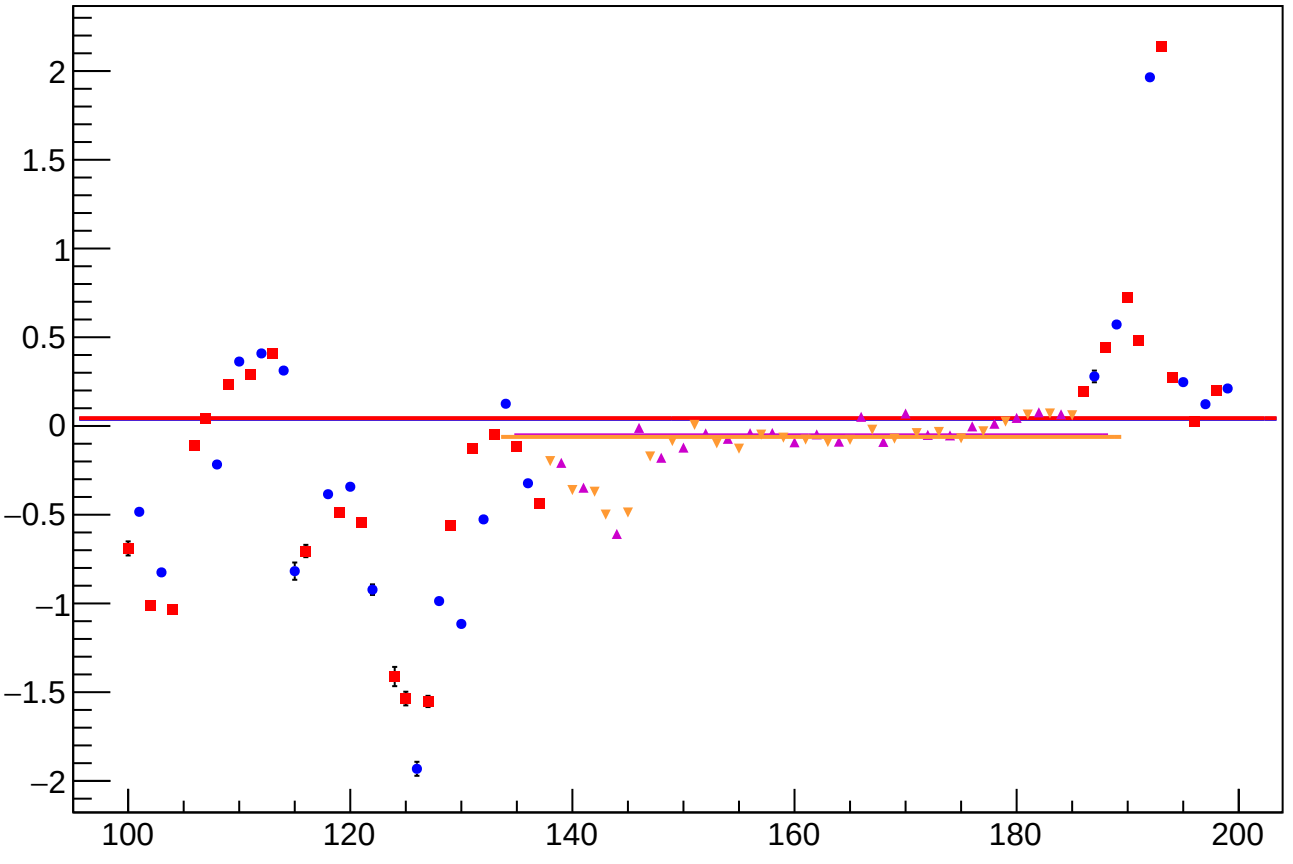
Right Out: -0.795+/-0.057 χ^2/NDF: 5458.1/26

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.061+/-0.032 χ^2/NDF: 14274.1/46

All: -1.033+/-0.022 χ^2/NDF: 26593.4/96

- sign -1.008+/-0.030 χ^2/NDF: 12317.8/49



Right In: 0.040+/-0.003 χ^2/NDF: 32733.8/21

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.044+/-0.003 χ^2/NDF: 33003.2/26

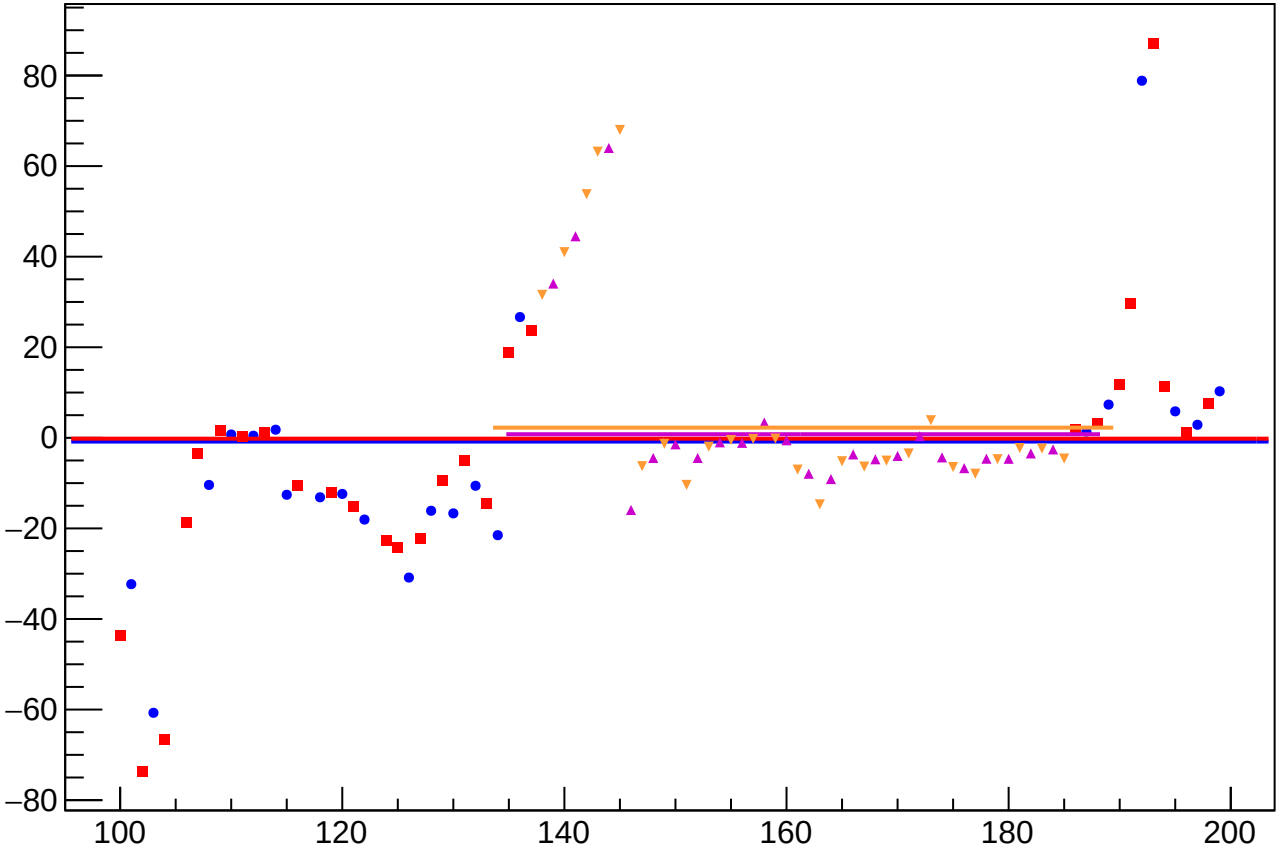
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.037+/-0.001 χ^2/NDF: 39248.4/46

All: -0.034+/-0.001 χ^2/NDF: 78198.4/96

- sign -0.031+/-0.001 χ^2/NDF: 38940.1/49

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -0.820+/-0.048 χ^2/NDF: 112429.7/21

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -0.184+/-0.040 χ^2/NDF: 112553.6/26

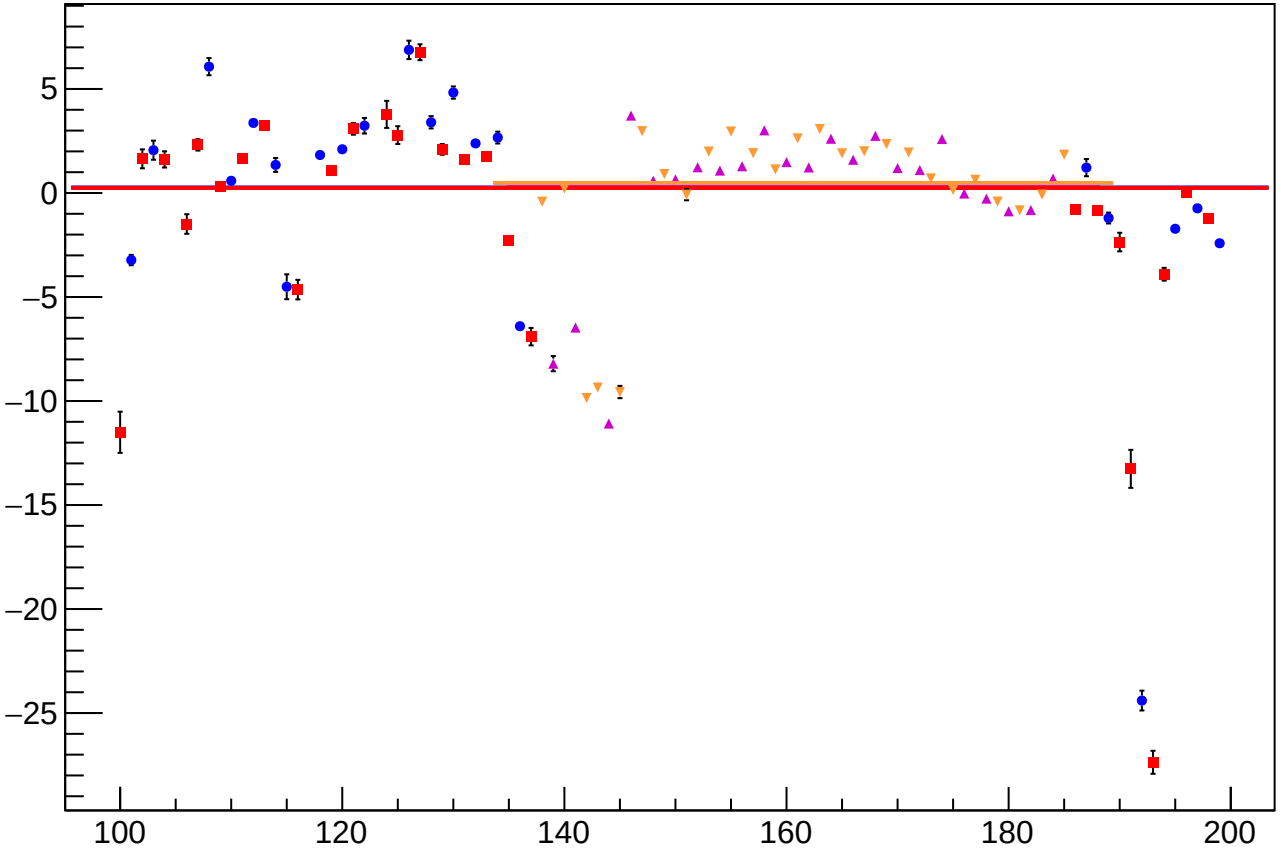
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 0.927+/-0.031 χ^2/NDF: 286471.5/46

All: 0.586+/-0.021 χ^2/NDF: 528361.5/96

- sign 0.295+/-0.029 χ^2/NDF: 241669.5/49

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.265+/-0.053 χ^2/NDF: 5690.6/21

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.244+/-0.049 χ^2/NDF: 4772.1/26

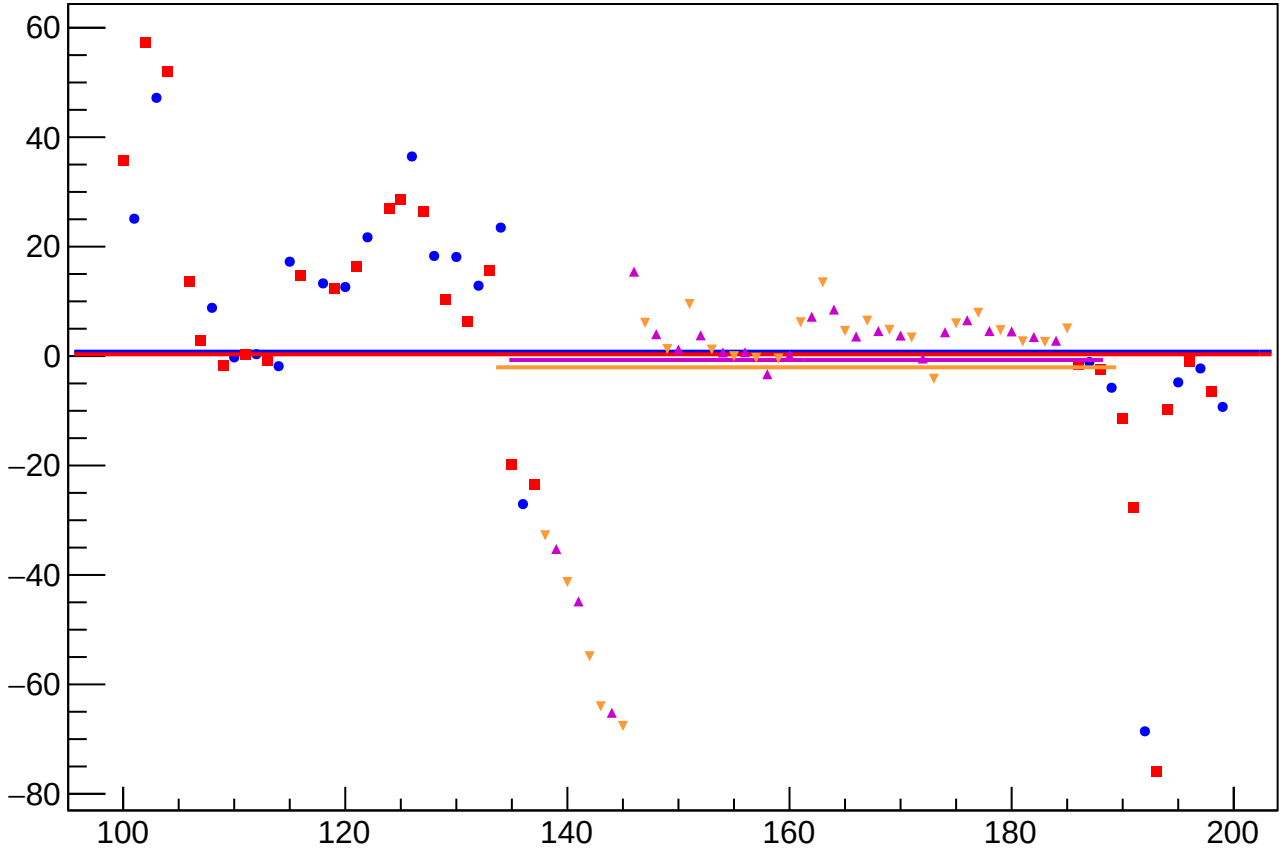
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.416+/-0.028 χ^2/NDF: 12510.4/46

All: 0.398+/-0.020 χ^2/NDF: 24188.0/96

- sign 0.381+/-0.027 χ^2/NDF: 11676.7/49

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 0.806+/-0.050 χ^2/NDF: 111694.4/21

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 0.324+/-0.043 χ^2/NDF: 111060.2/26

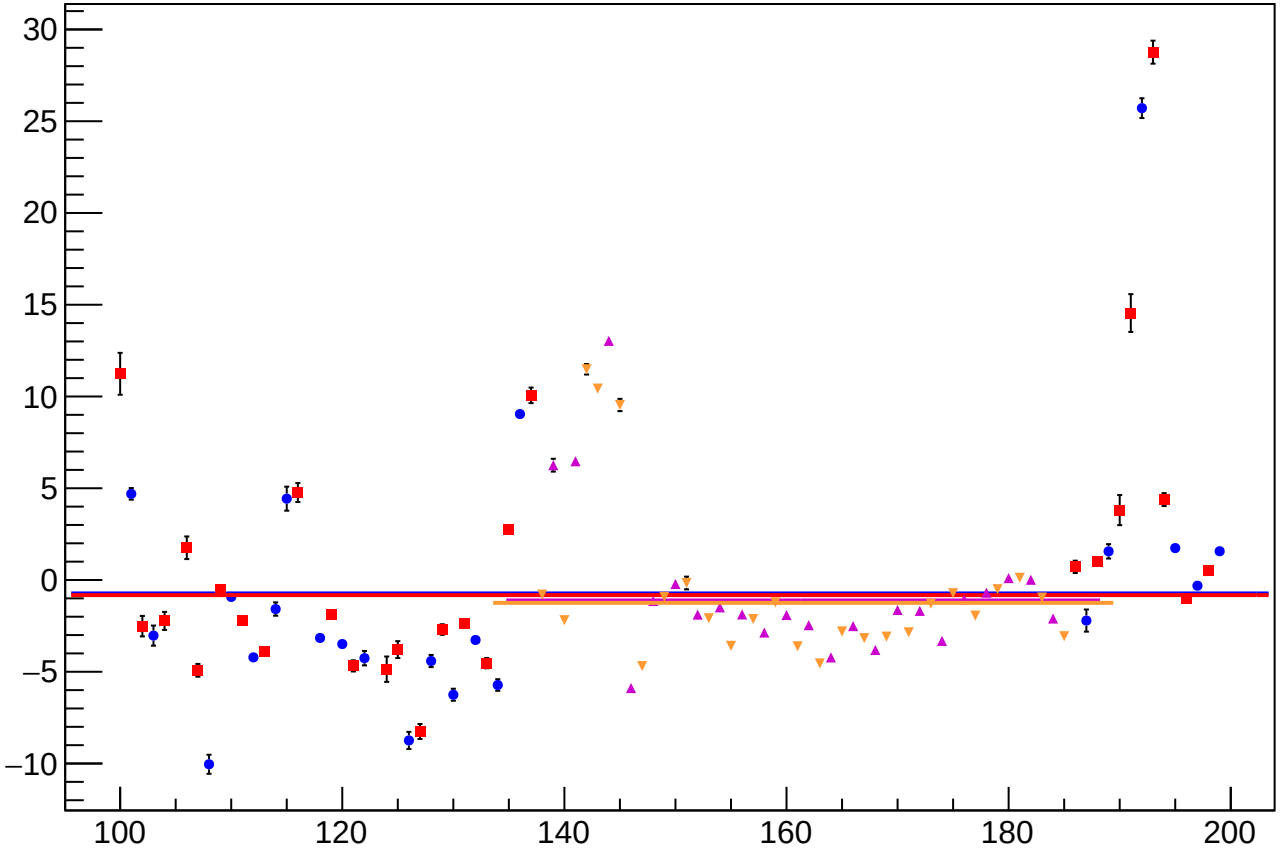
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -0.878+/-0.032 χ^2/NDF: 279653.0/46

All: -0.530+/-0.022 χ^2/NDF: 516778.2/96

- sign -0.230+/-0.030 χ^2/NDF: 236902.2/49

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.733+/-0.062 χ^2/NDF: 7116.6/21

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.823+/-0.058 χ^2/NDF: 5304.4/26

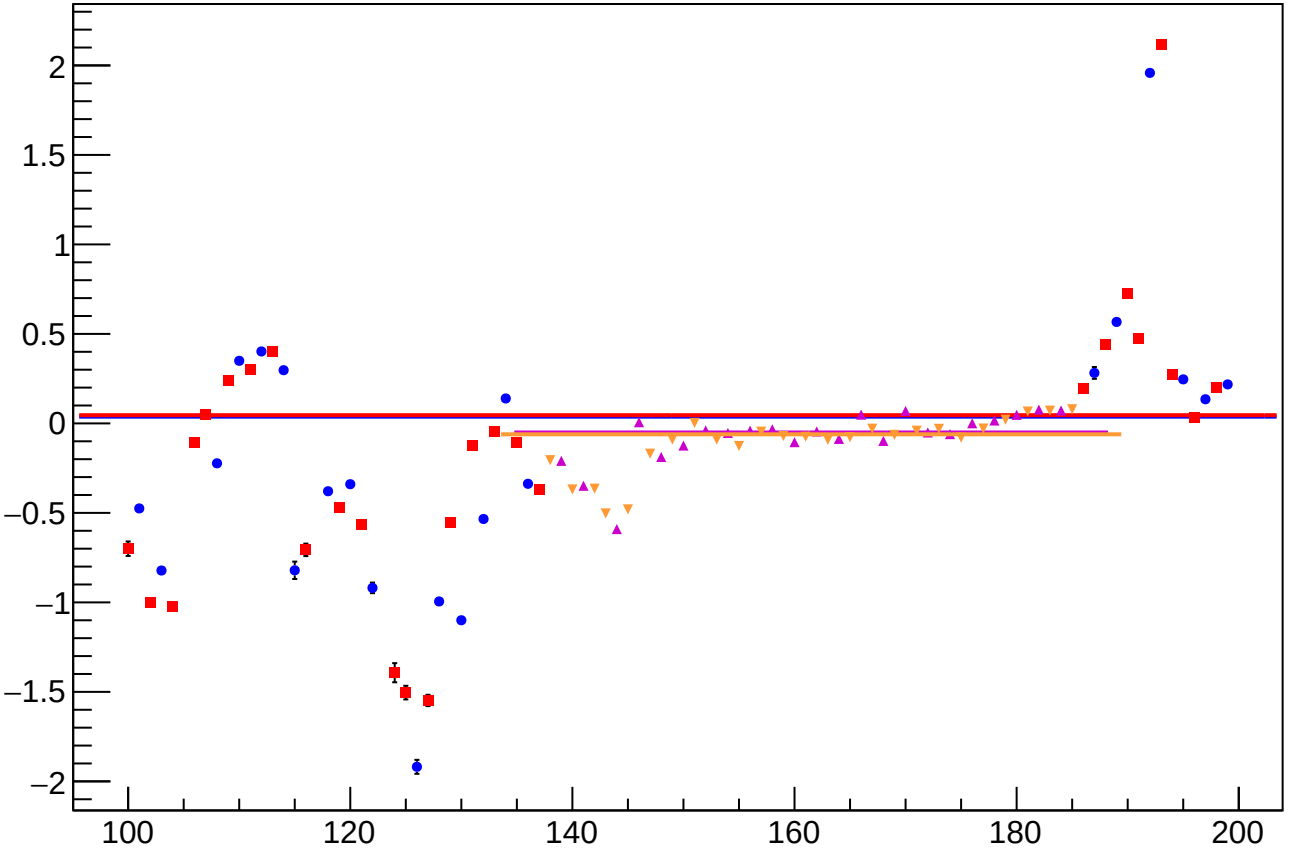
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.108+/-0.032 χ^2/NDF: 13935.6/46

All: -1.070+/-0.022 χ^2/NDF: 26101.3/96

- sign -1.036+/-0.031 χ^2/NDF: 12163.1/49

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.038+/-0.003 χ^2/NDF: 32361.7/21

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

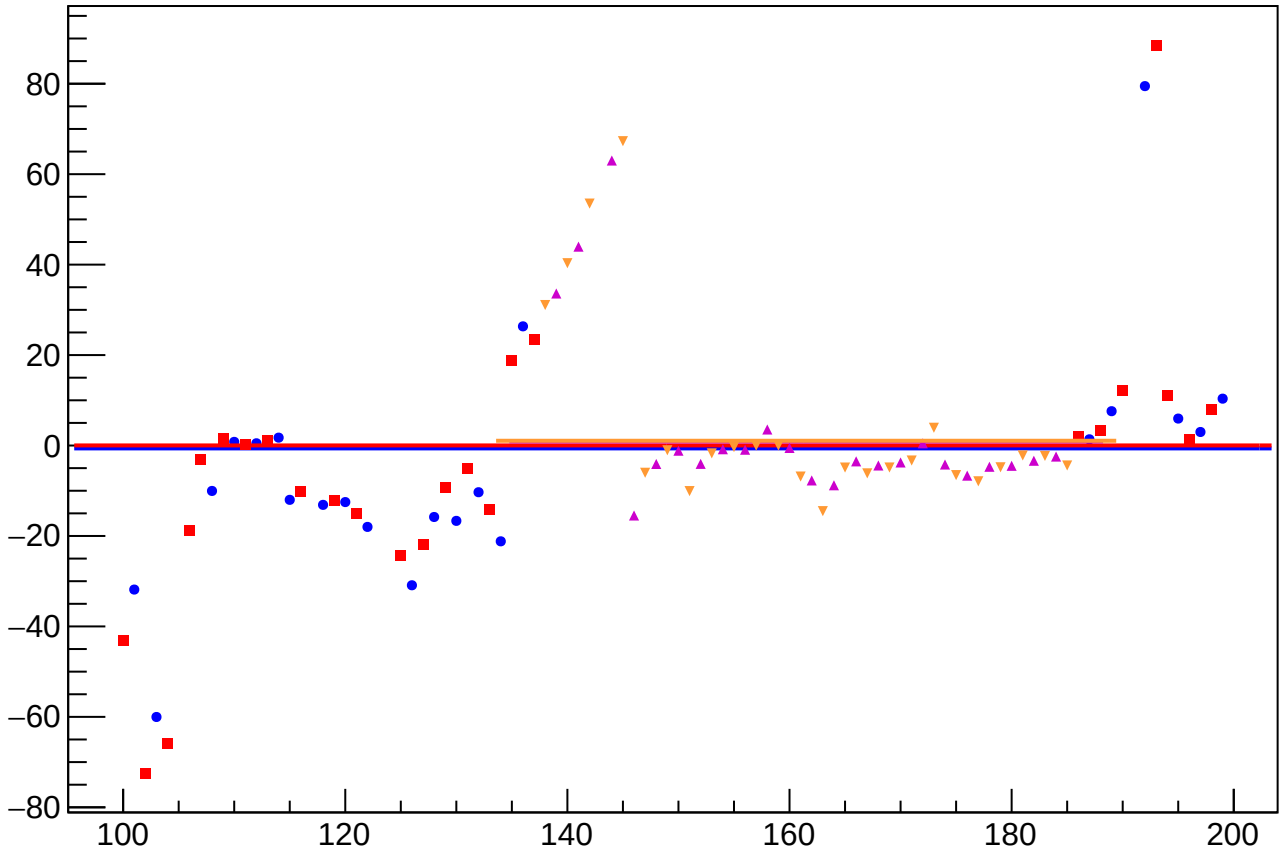
Right Out: 0.046+/-0.003 χ^2/NDF: 32118.3/26

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.037+/-0.001 χ^2/NDF: 38715.6/46

All: -0.033+/-0.001 χ^2/NDF: 76601.7/96

- sign -0.029+/-0.001 χ^2/NDF: 37869.2/49



Right In: -0.637+/-0.046 χ^2/NDF: 116168.2/21

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

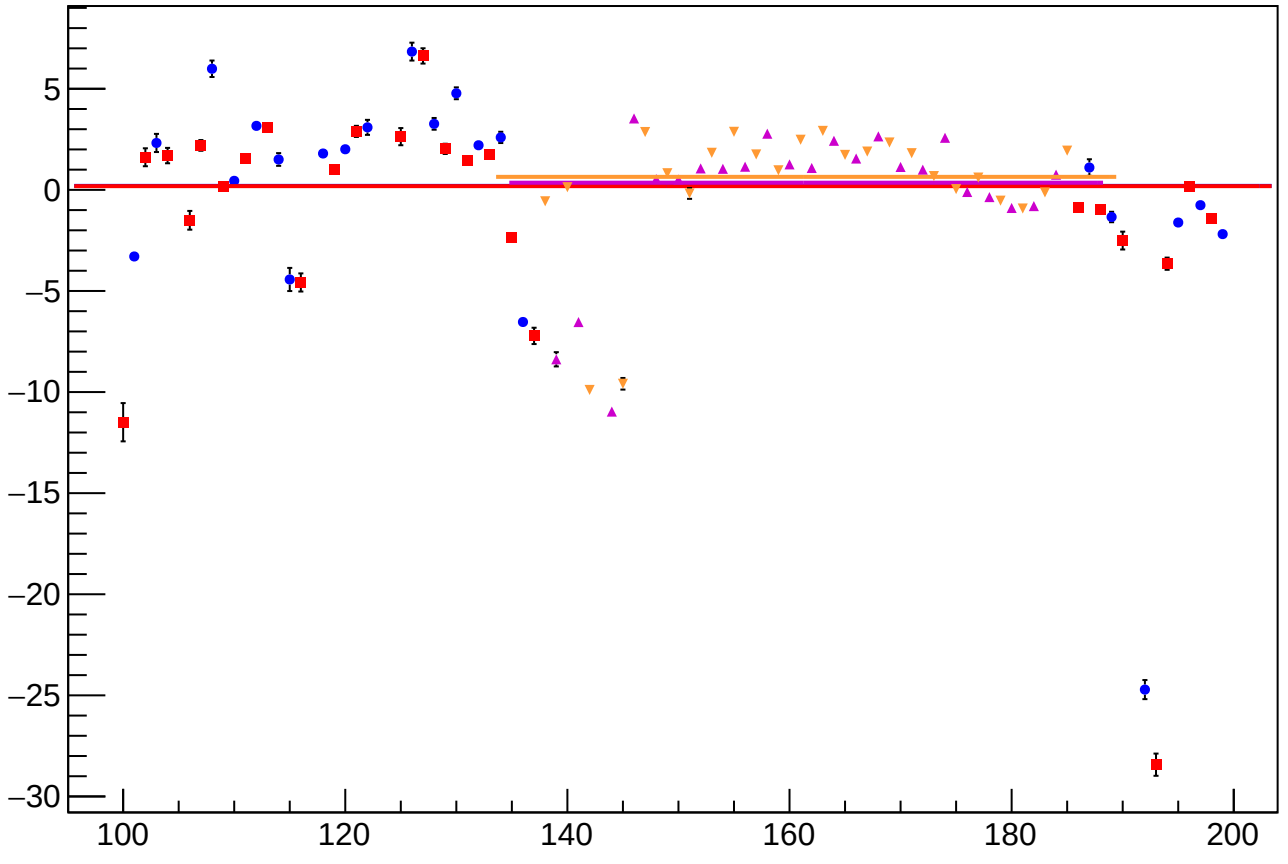
Right Out: 0.022+/-0.039 χ^2/NDF: 113722.5/24

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 0.312+/-0.030 χ^2/NDF: 247960.4/45

All: 0.390+/-0.021 χ^2/NDF: 494759.4/93

- sign 0.455+/-0.028 χ^2/NDF: 246787.0/47



Right In: 0.197+/-0.051 χ^2/NDF: 5899.8/21

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

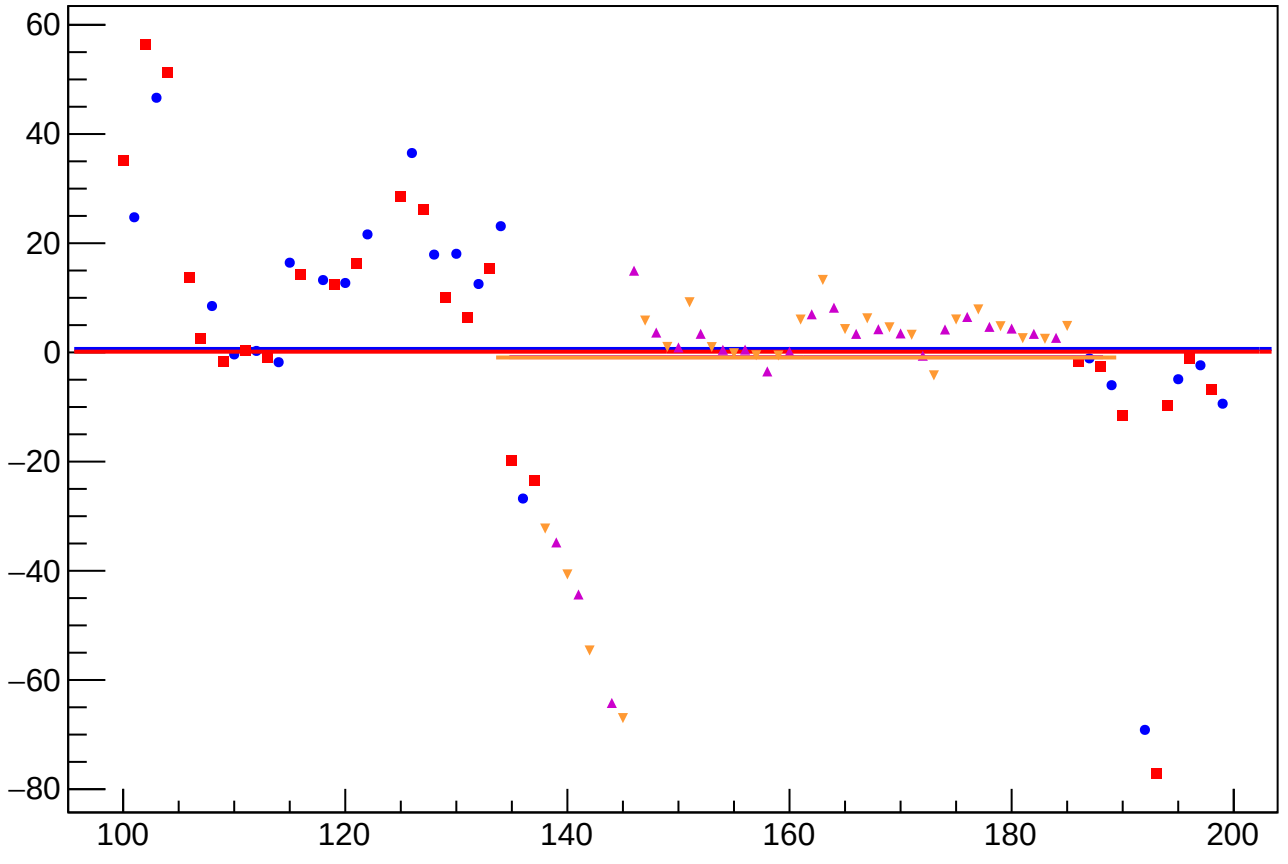
Right Out: 0.184+/-0.048 χ^2/NDF: 4846.9/24

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.511+/-0.028 χ^2/NDF: 10664.4/45

All: 0.402+/-0.019 χ^2/NDF: 22666.5/93

- sign 0.304+/-0.026 χ^2/NDF: 11972.8/47



Right In: 0.634+/-0.048 χ^2/NDF: 115394.8/21

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

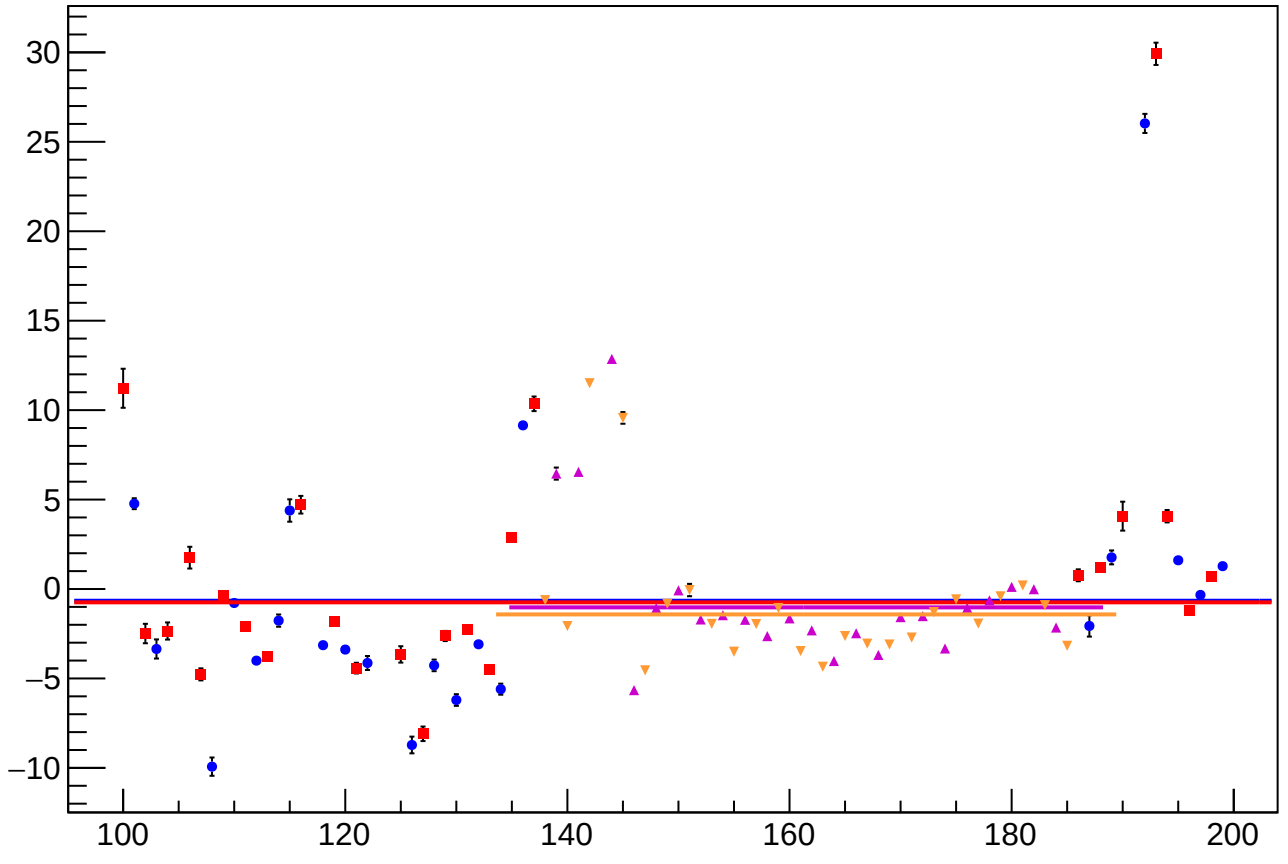
Right Out: 0.135+/-0.042 χ^2/NDF: 112267.8/24

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

\+ sign -0.282+/-0.031 χ^2/NDF: 242388.3/45

All: -0.343+/-0.021 χ^2/NDF: 484449.6/93

\- sign -0.395+/-0.029 χ^2/NDF: 242054.2/47



Right In: -0.656+/-0.060 χ^2/NDF: 7412.2/21

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

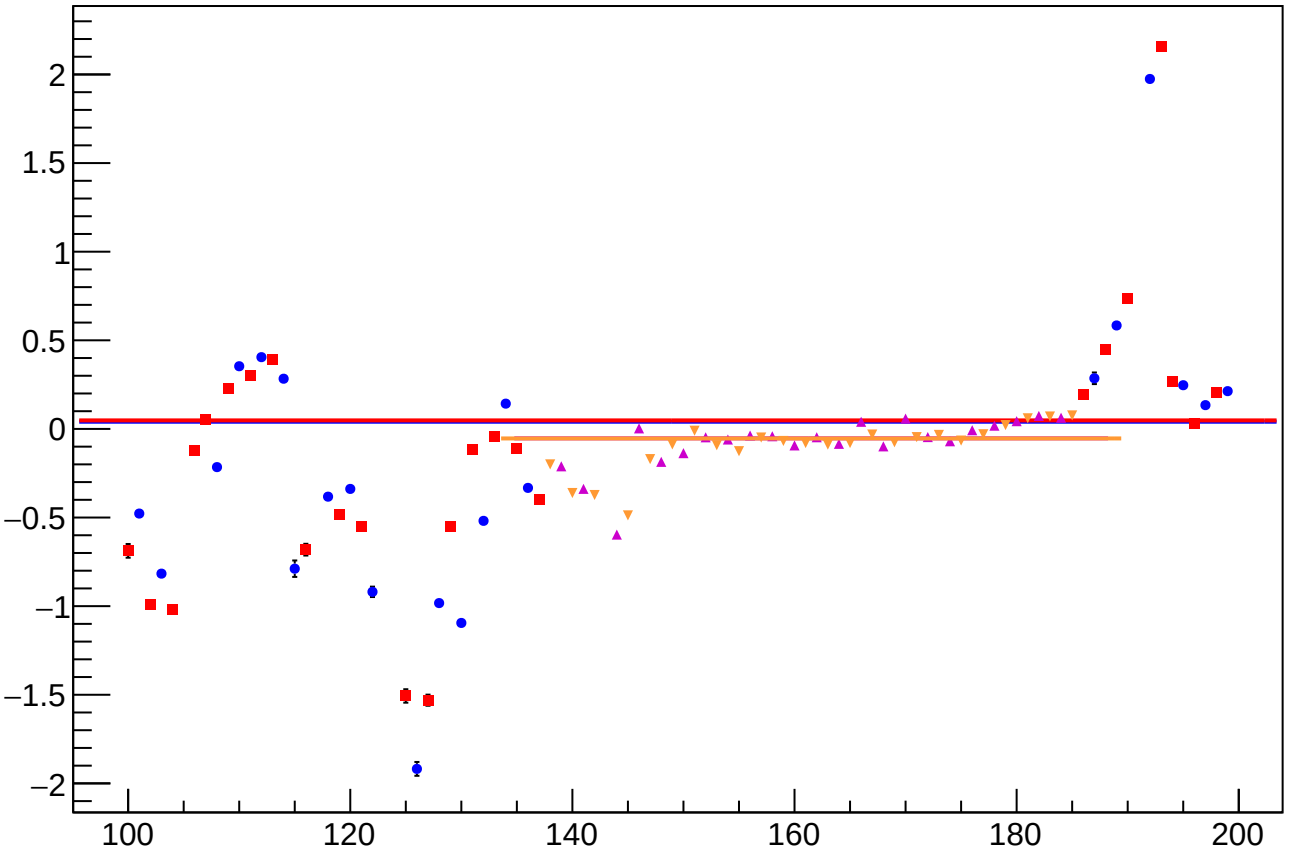
Right Out: -0.744+/-0.057 χ^2/NDF: 5408.2/24

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.213+/-0.031 χ^2/NDF: 12172.4/45

All: -1.073+/-0.021 χ^2/NDF: 24683.2/93

- sign -0.949+/-0.030 χ^2/NDF: 12473.3/47



Right In: 0.041+/-0.003 χ^2/NDF: 33520.3/21

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

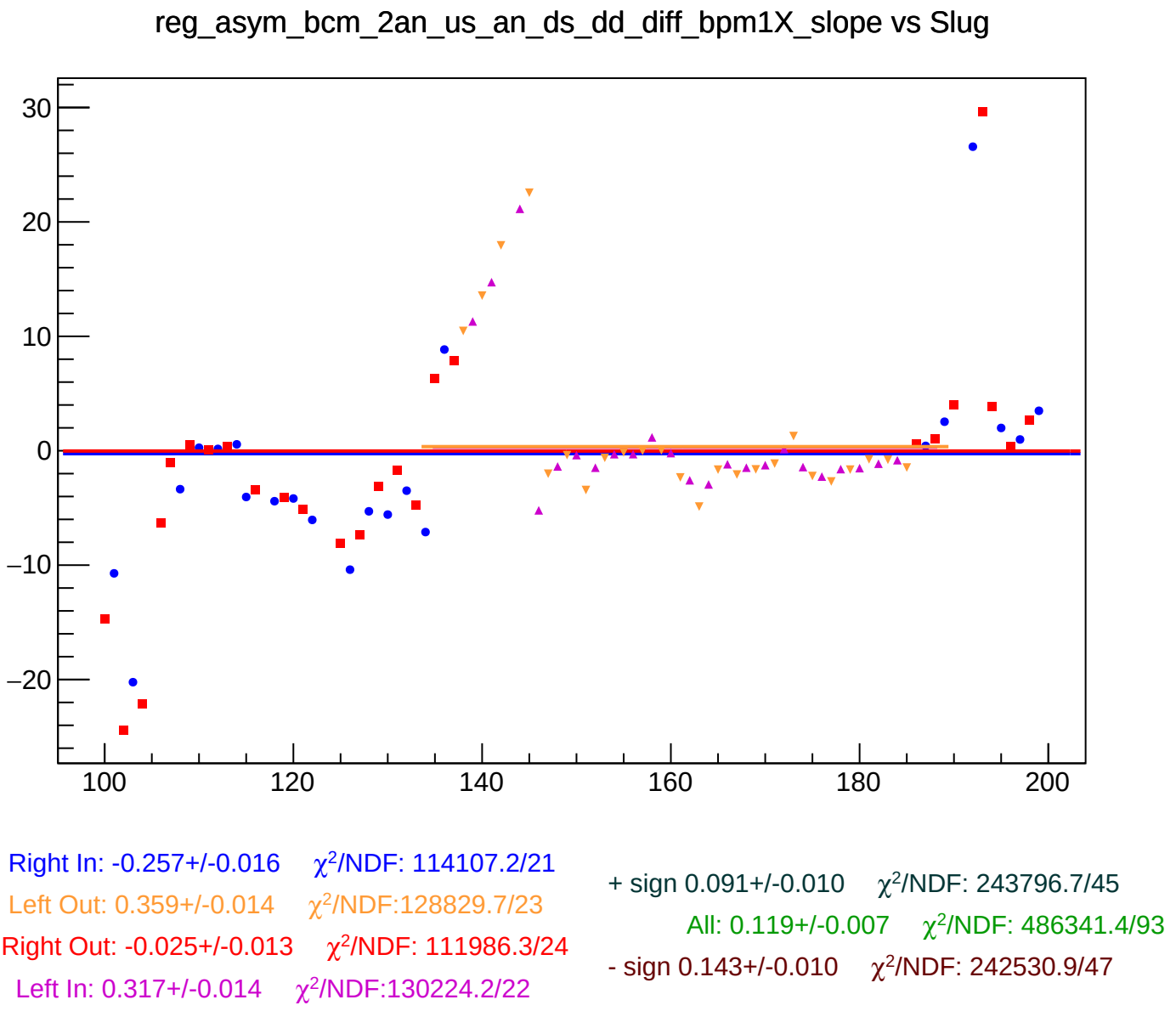
Right Out: 0.048+/-0.003 χ^2/NDF: 32589.6/24

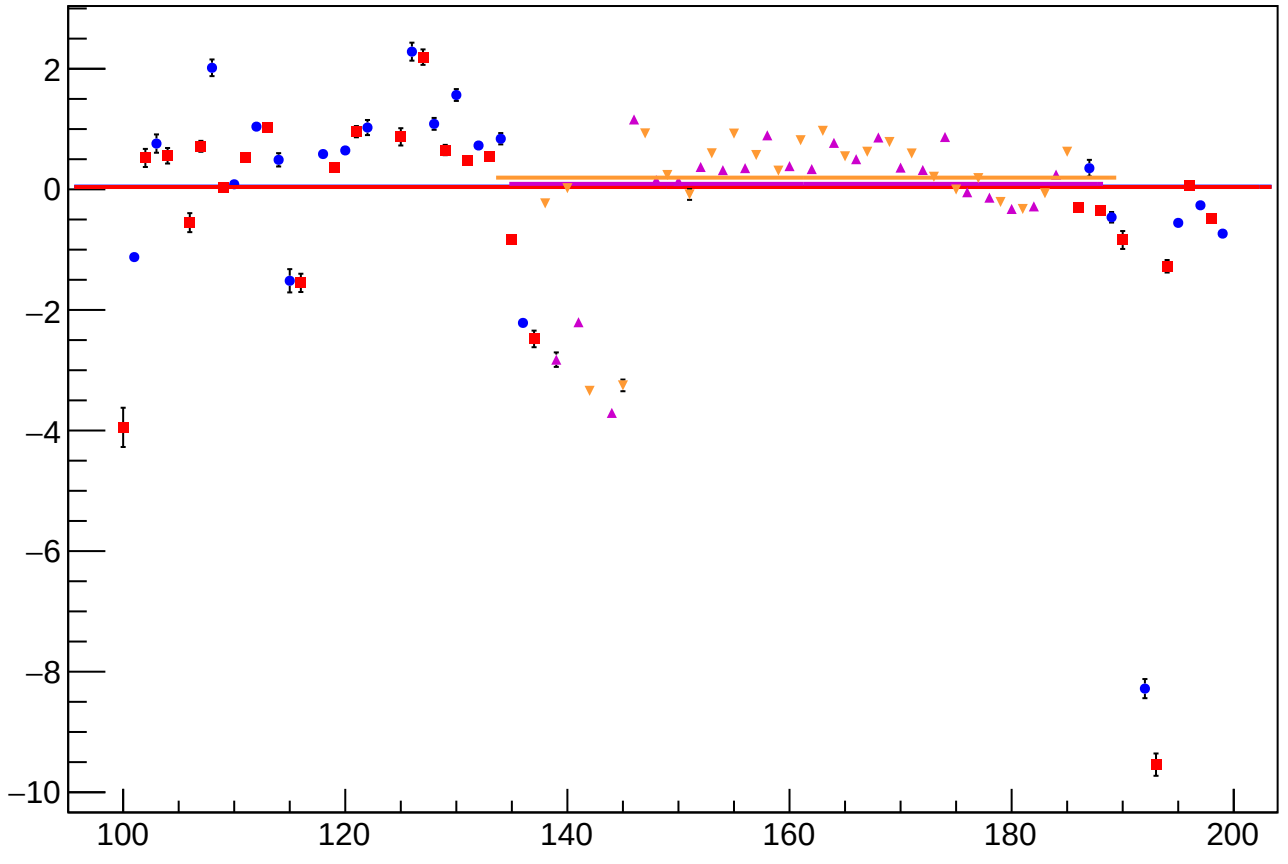
Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.031+/-0.001 χ^2/NDF: 38702.2/45

All: -0.031+/-0.001 χ^2/NDF: 77316.4/93

- sign -0.031+/-0.001 χ^2/NDF: 38614.2/47


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -0.257+/-0.016 χ²/NDF: 114107.2/21
Left Out: 0.359+/-0.014 χ²/NDF:128829.7/23
Right Out: -0.025+/-0.013 χ²/NDF: 111986.3/24
Left In: 0.317+/-0.014 χ²/NDF:130224.2/22
+ sign 0.091+/-0.010 χ²/NDF: 243796.7/45
All: 0.119+/-0.007 χ²/NDF: 486341.4/93
- sign 0.143+/-0.010 χ²/NDF: 242530.9/47



Right In: 0.045+/-0.018 χ^2/NDF: 5772.7/21

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

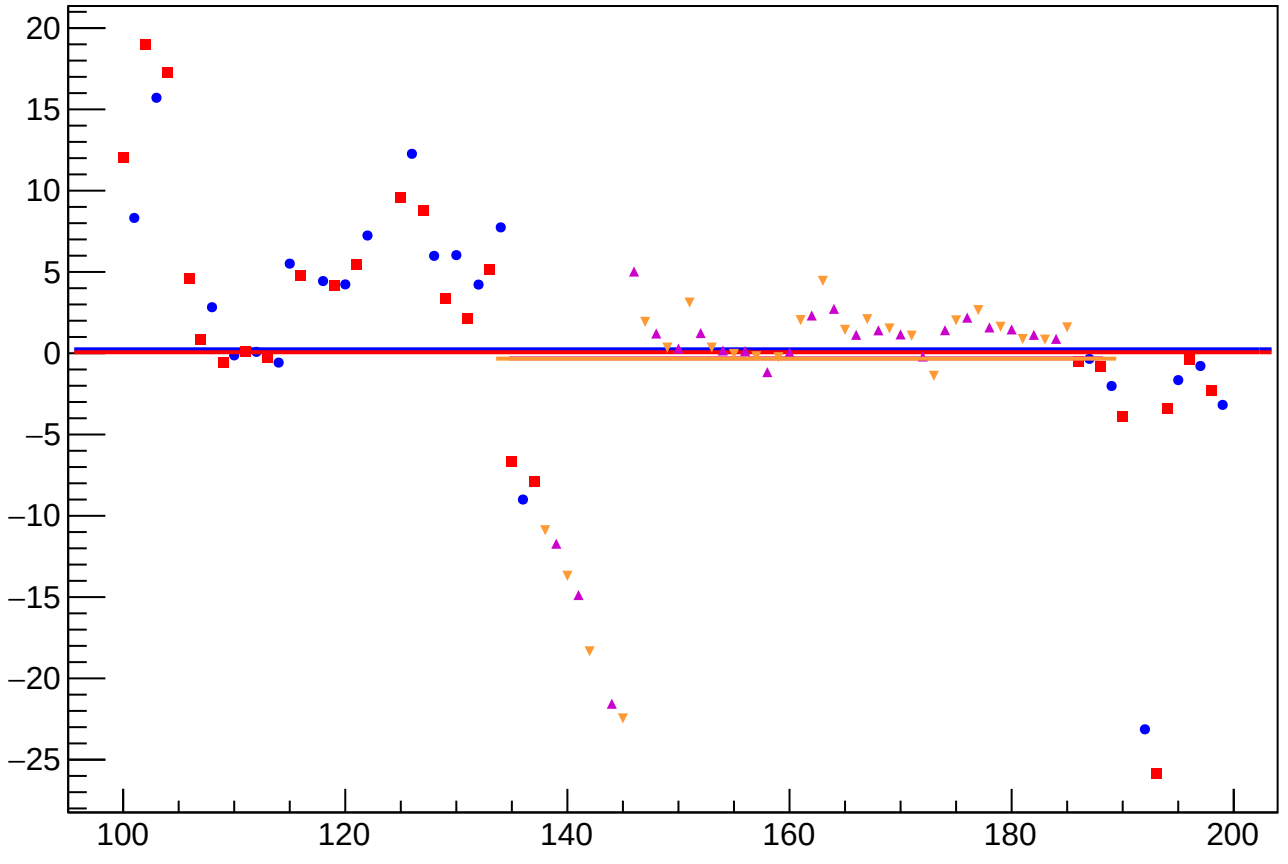
Right Out: 0.039+/-0.017 χ^2/NDF: 4768.9/24

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.150+/-0.010 χ^2/NDF: 10468.7/45

All: 0.111+/-0.007 χ^2/NDF: 22213.7/93

- sign 0.076+/-0.009 χ^2/NDF: 11712.4/47



Right In: 0.241+/-0.017 χ^2/NDF: 113366.7/21

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

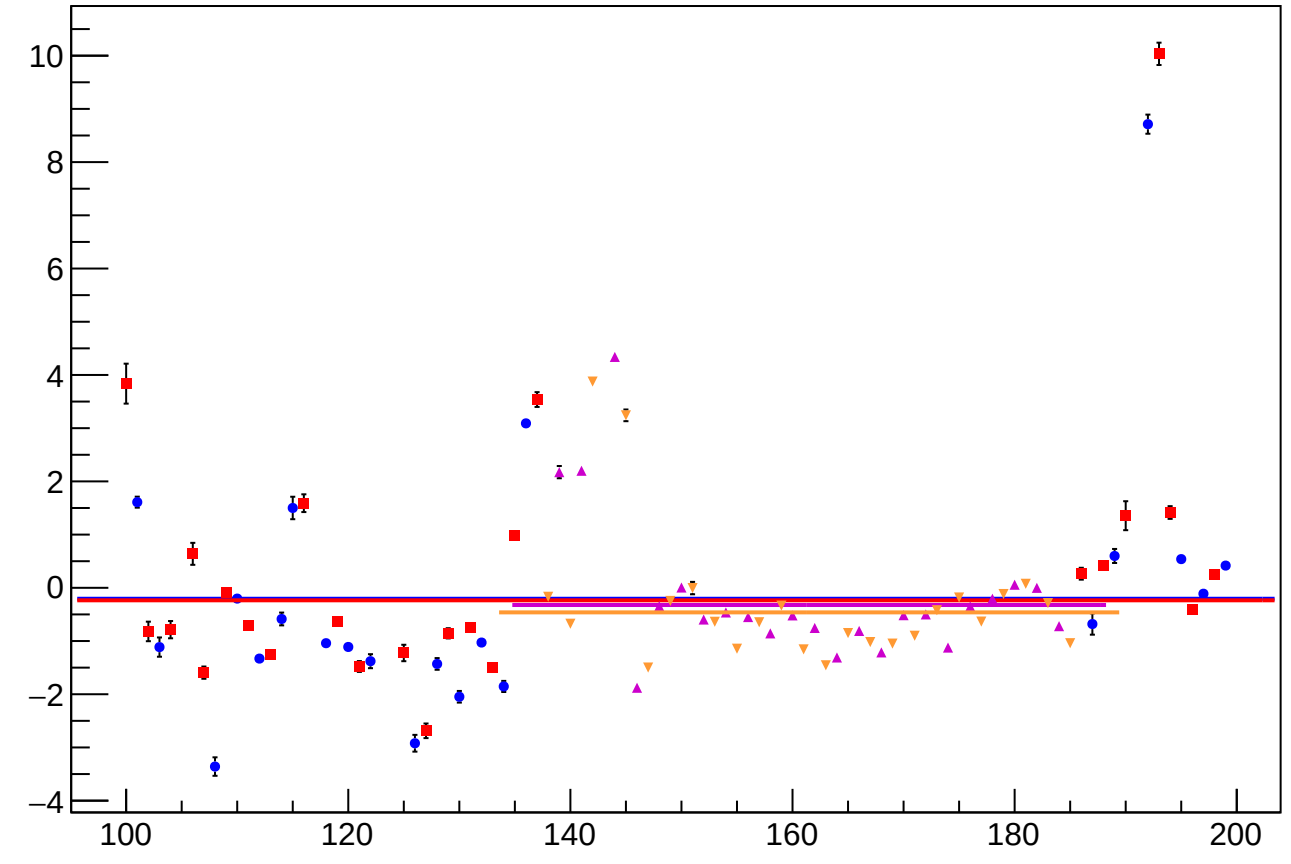
Right Out: 0.060+/-0.014 χ^2/NDF: 110584.5/24

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.096+/-0.011 χ^2/NDF: 238305.8/45

All: -0.119+/-0.007 χ^2/NDF: 476260.5/93

- sign -0.139+/-0.010 χ^2/NDF: 237946.1/47



Right In: -0.206+/-0.021 χ^2/NDF: 7255.4/21

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

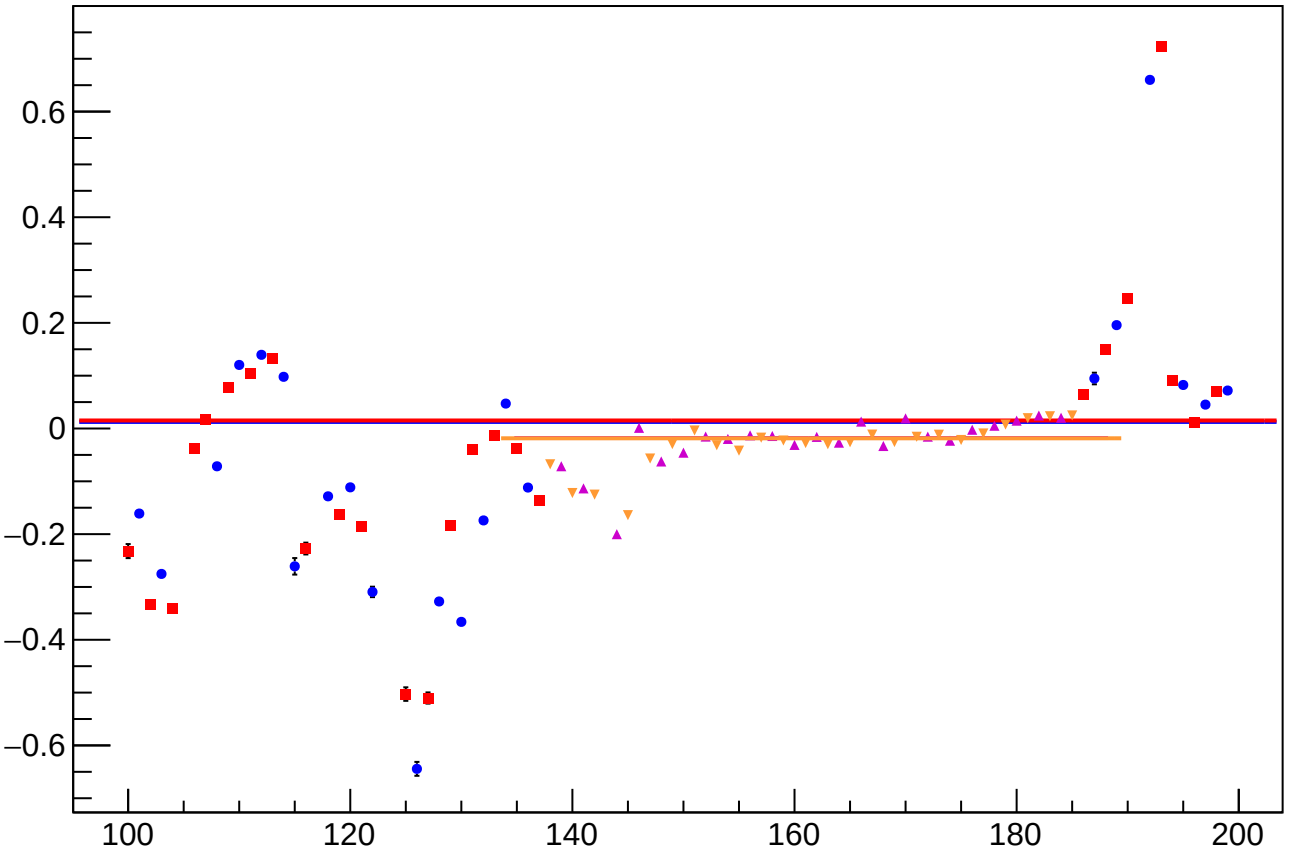
Right Out: -0.235+/-0.019 χ^2/NDF: 5325.3/24

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.392+/-0.011 χ^2/NDF: 11948.3/45

All: -0.343+/-0.007 χ^2/NDF: 24210.5/93

- sign -0.299+/-0.010 χ^2/NDF: 12222.1/47



Right In: 0.012+/-0.001 χ^2/NDF: 32940.8/21

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

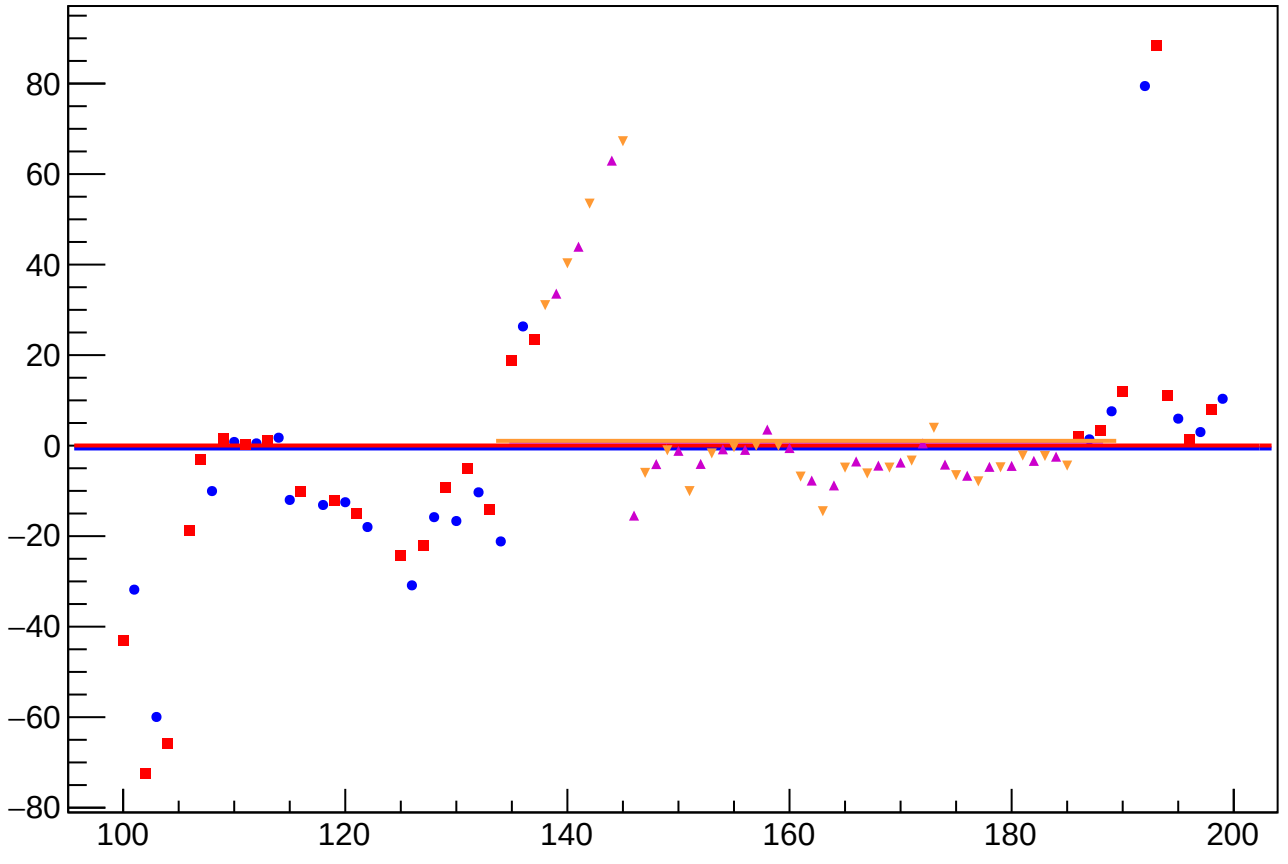
Right Out: 0.015+/-0.001 χ^2/NDF: 31994.4/24

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

\+ sign -0.011+/-0.000 χ^2/NDF: 37941.4/45

All: -0.011+/-0.000 χ^2/NDF: 75738.3/93

\- sign -0.011+/-0.000 χ^2/NDF: 37796.5/47



Right In: -0.628+/-0.046 χ^2/NDF: 116196.3/21

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

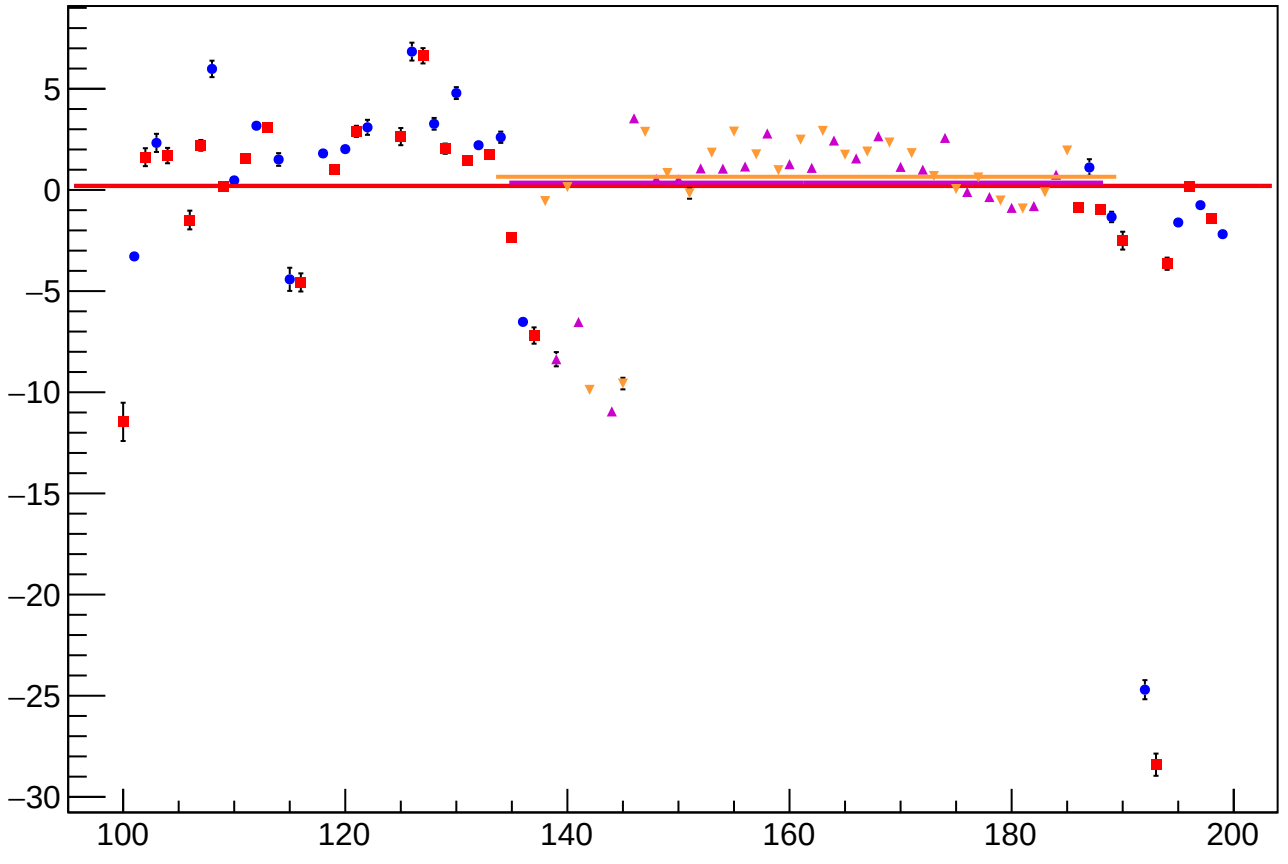
Right Out: 0.027+/-0.039 χ^2/NDF: 113742.7/24

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 0.318+/-0.030 χ^2/NDF: 247965.5/45

All: 0.395+/-0.020 χ^2/NDF: 494792.2/93

- sign 0.459+/-0.028 χ^2/NDF: 246814.9/47



Right In: 0.205+/-0.051 χ^2/NDF: 5903.8/21

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

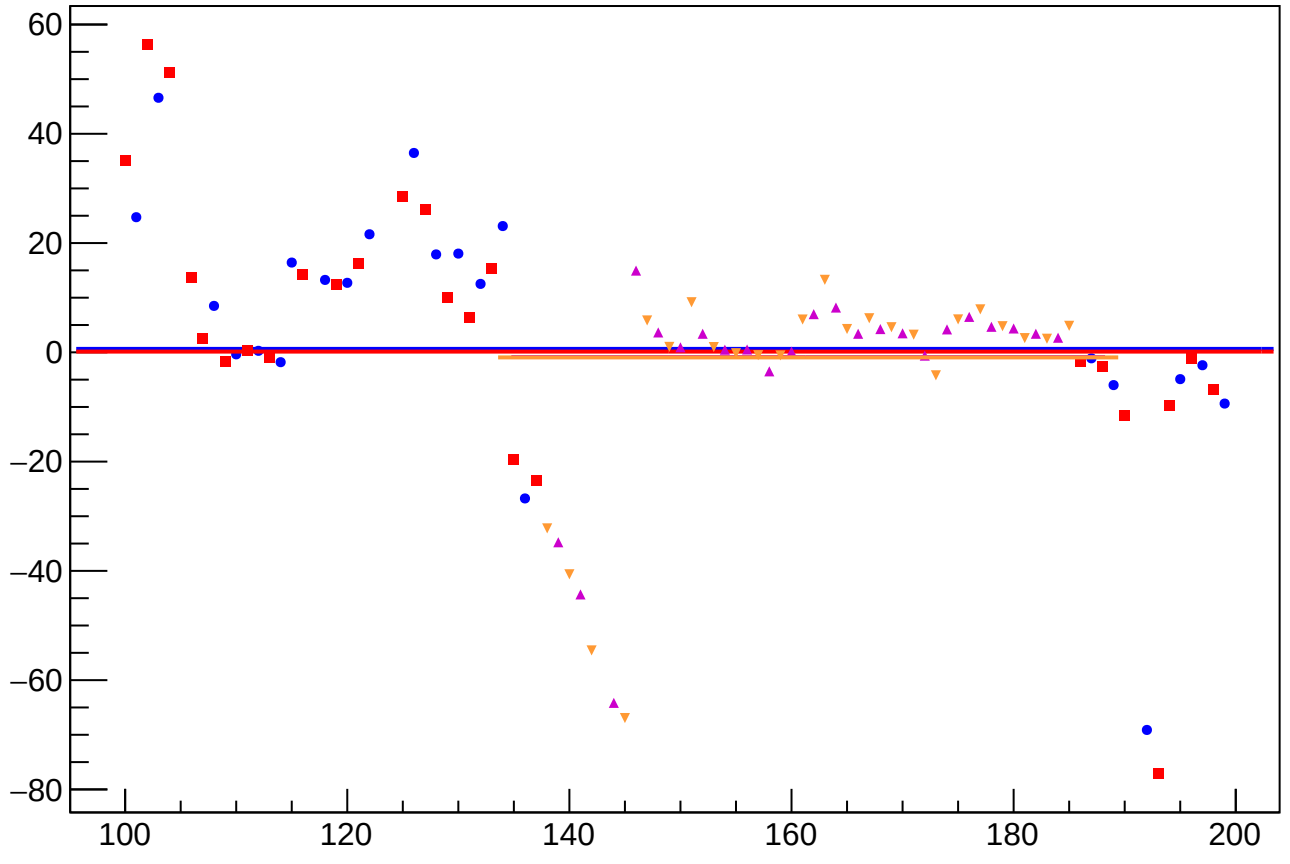
Right Out: 0.191+/-0.048 χ^2/NDF: 4847.3/24

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.519+/-0.028 χ^2/NDF: 10666.3/45

All: 0.410+/-0.019 χ^2/NDF: 22674.2/93

- sign 0.313+/-0.026 χ^2/NDF: 11978.8/47



Right In: 0.630+/-0.048 χ^2/NDF: 115420.3/21

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

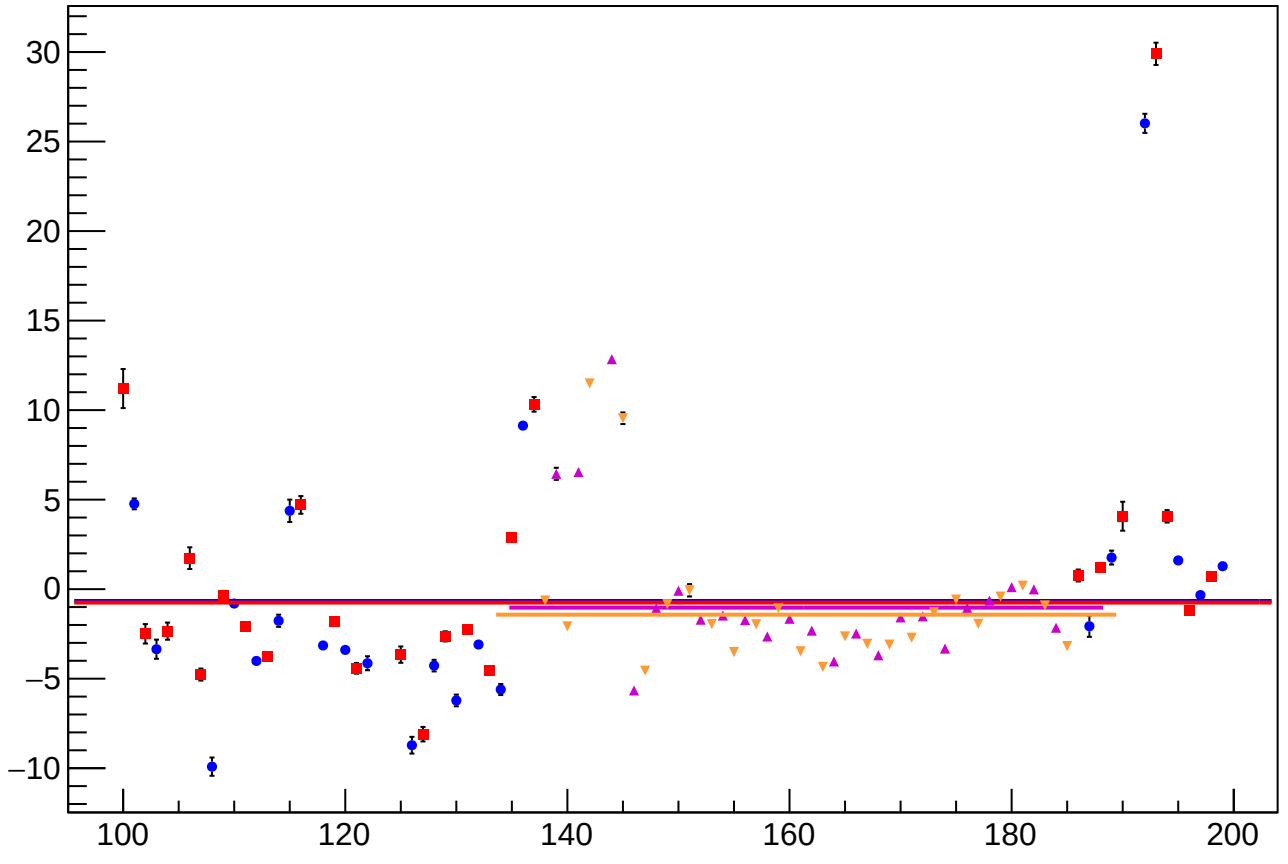
Right Out: 0.135+/-0.042 χ^2/NDF: 112283.6/24

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

\+ sign -0.282+/-0.031 χ^2/NDF: 242392.2/45

All: -0.342+/-0.021 χ^2/NDF: 484473.7/93

\- sign -0.393+/-0.029 χ^2/NDF: 242074.6/47



Right In: -0.661+/-0.060 χ^2/NDF: 7415.4/21

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

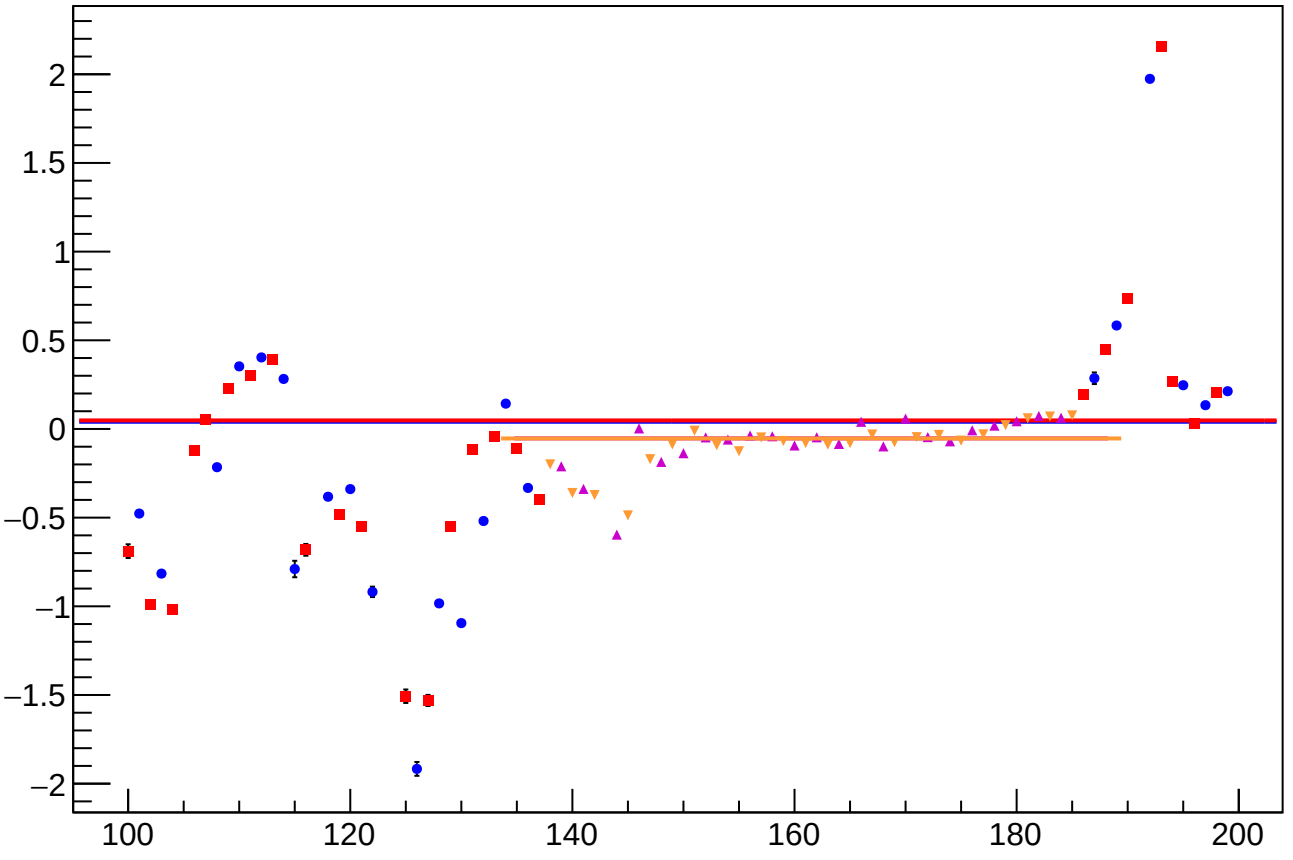
Right Out: -0.748+/-0.056 χ^2/NDF: 5407.1/24

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.217+/-0.031 χ^2/NDF: 12173.2/45

All: -1.078+/-0.021 χ^2/NDF: 24687.2/93

- sign -0.954+/-0.030 χ^2/NDF: 12476.7/47



Right In: 0.041+/-0.003 χ^2/NDF: 33528.9/21

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

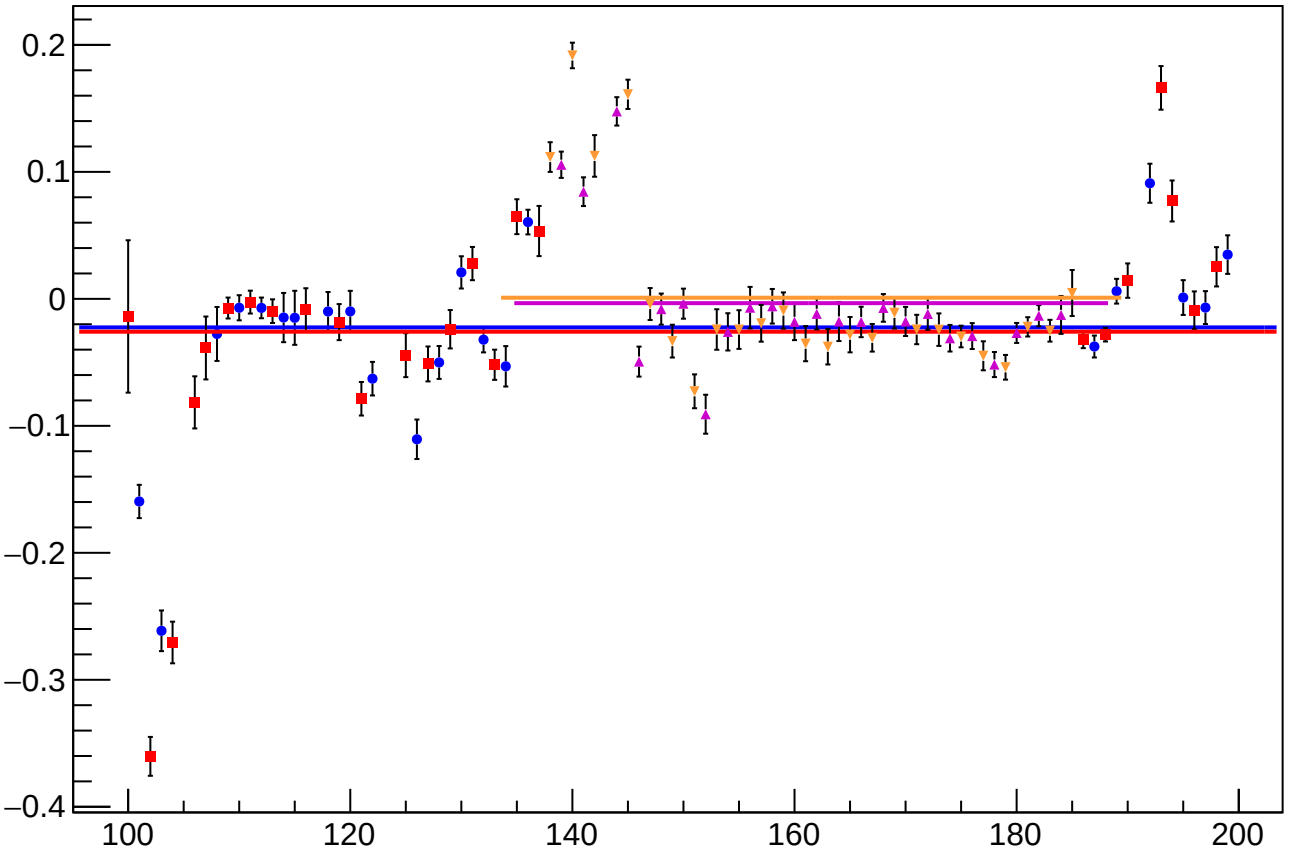
Right Out: 0.048+/-0.003 χ^2/NDF: 32603.9/24

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.031+/-0.001 χ^2/NDF: 38712.5/45

All: -0.031+/-0.001 χ^2/NDF: 77347.8/93

- sign -0.031+/-0.001 χ^2/NDF: 38635.3/47



Right In: -0.022+/-0.003 χ^2/NDF: 559.5/21

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.026+/-0.002 χ^2/NDF: 1013.0/24

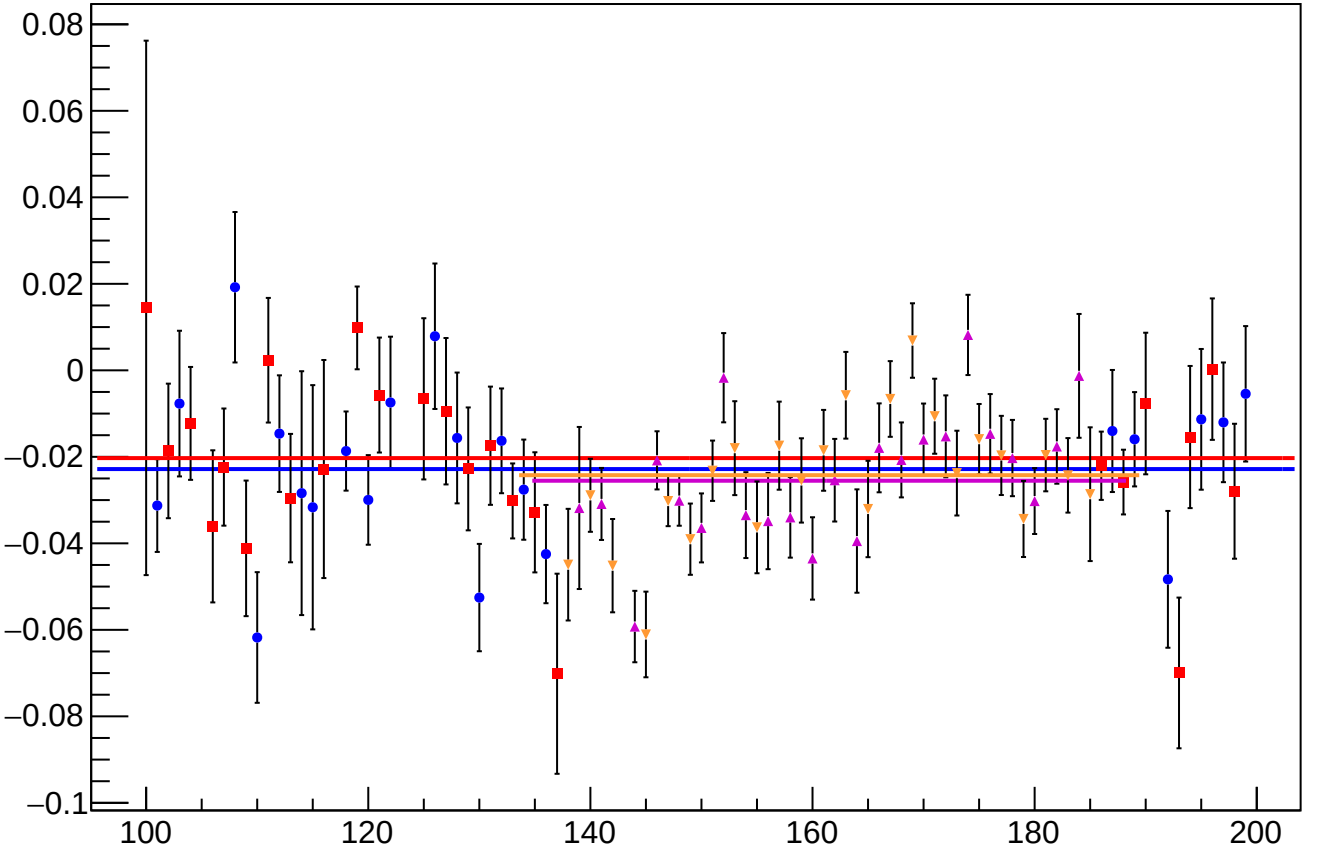
Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.010+/-0.002 χ^2/NDF: 1451.8/45

All: -0.012+/-0.001 χ^2/NDF: 2971.8/93

- sign -0.015+/-0.002 χ^2/NDF: 1515.4/47

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.023+/-0.003 χ^2/NDF: 34.6/21

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

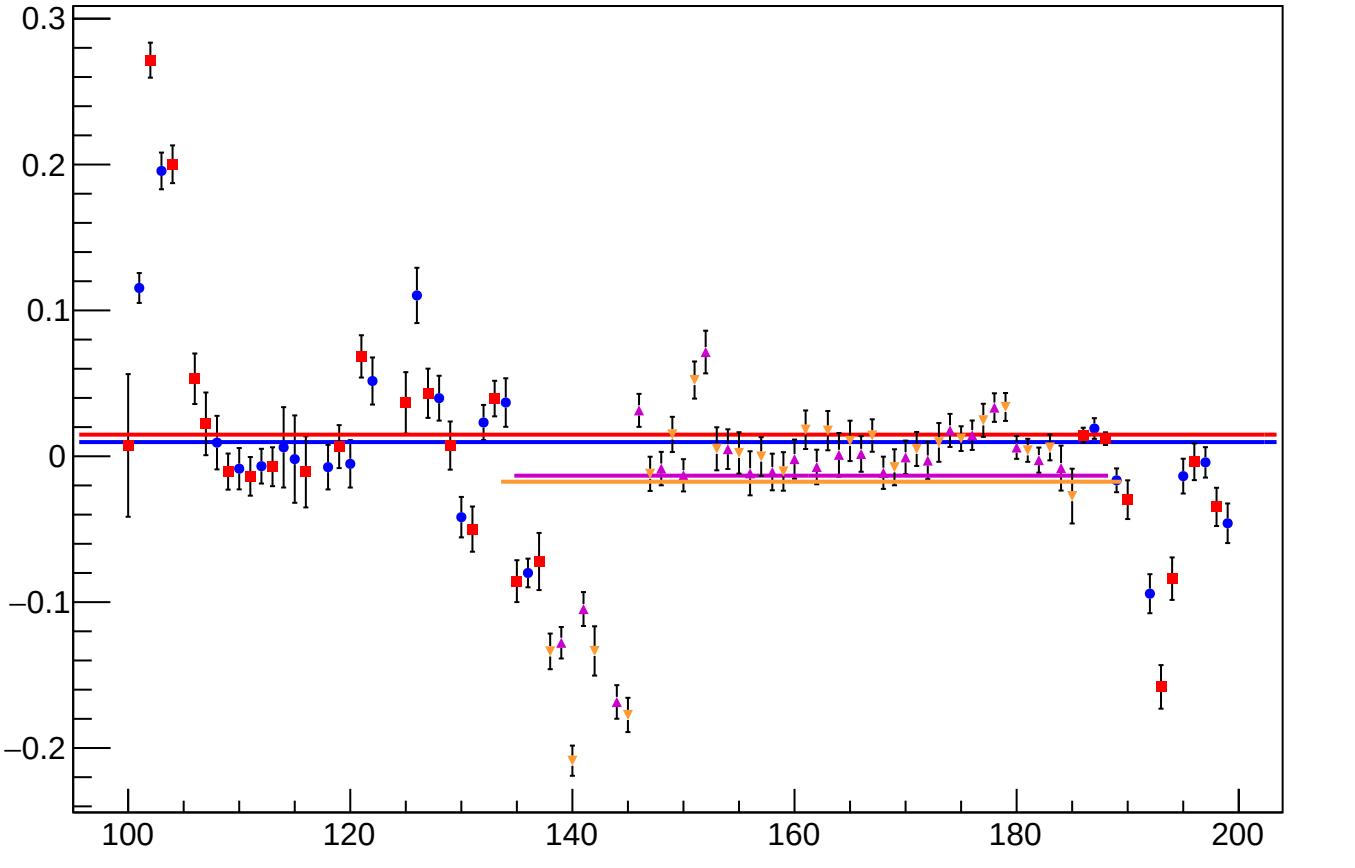
Right Out: -0.020+/-0.003 χ^2/NDF: 36.3/24

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 88.5/45

All: -0.024+/-0.001 χ^2/NDF: 182.4/93

- sign -0.024+/-0.002 χ^2/NDF: 93.9/47



Right In: 0.010+/-0.003 χ^2/NDF: 565.3/21

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

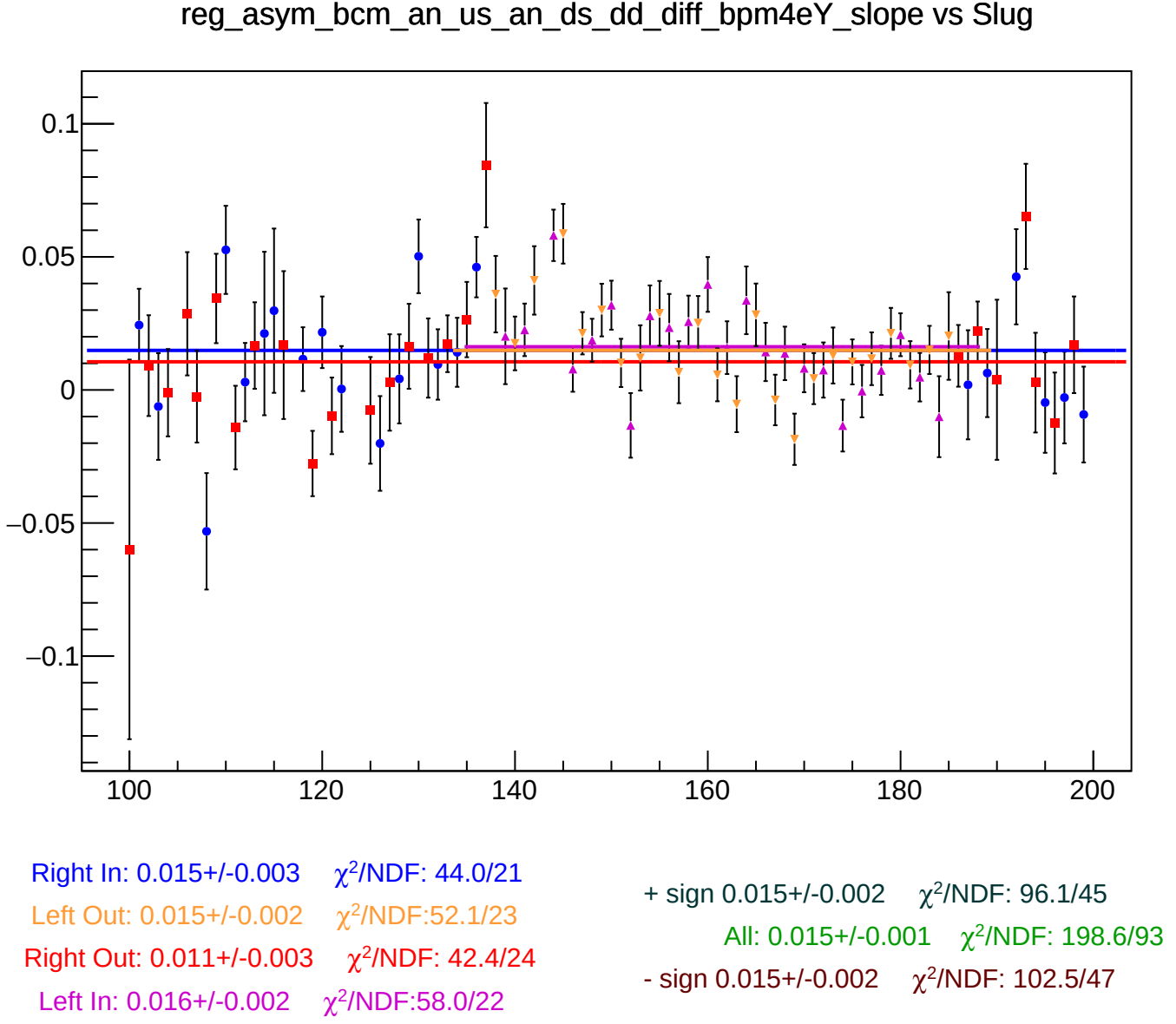
Right Out: 0.015+/-0.002 χ^2/NDF: 997.3/24

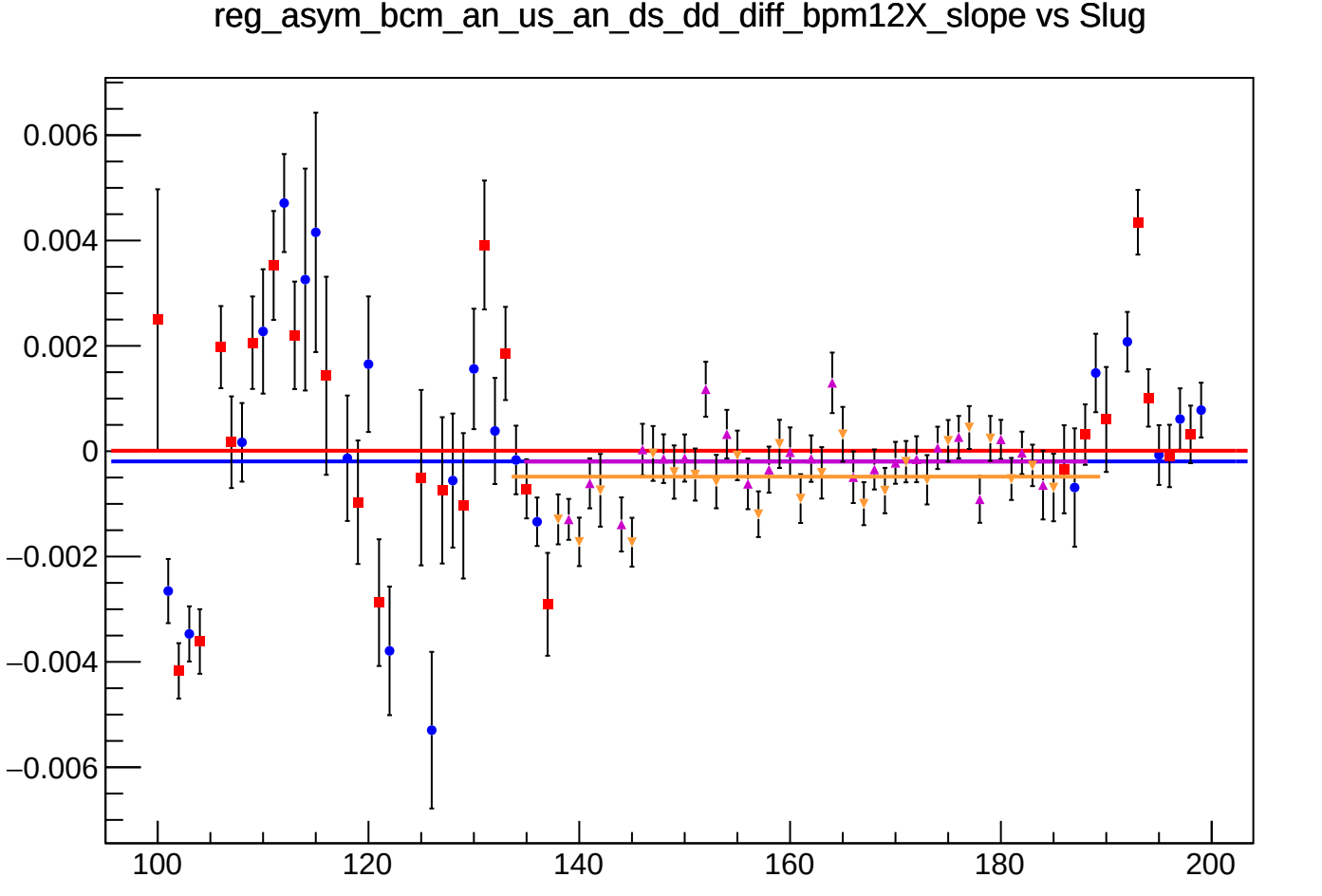
Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.005+/-0.002 χ^2/NDF: 1435.1/45

All: -0.002+/-0.001 χ^2/NDF: 2971.9/93

- 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: 0.015+/-0.003 χ²/NDF: 44.0/21
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: 96.1/45
All: 0.015+/-0.001 χ²/NDF: 198.6/93
- sign 0.015+/-0.002 χ²/NDF: 102.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 152.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

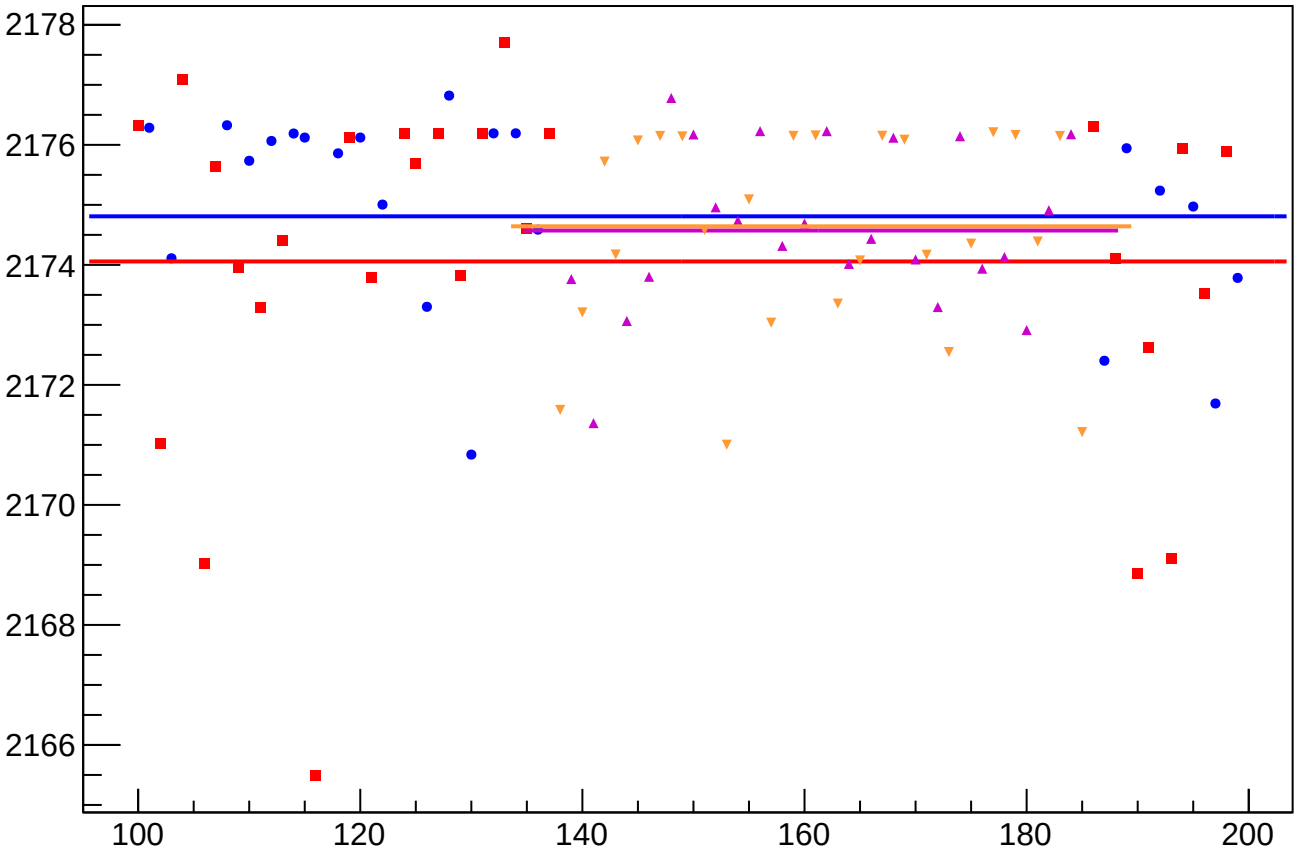
Right Out: 0.000+/-0.000 χ^2/NDF: 214.7/24

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 195.7/45

All: -0.000+/-0.000 χ^2/NDF: 454.4/93

- sign -0.000+/-0.000 χ^2/NDF: 253.2/47



Right In: 2174.809+/-0.000 χ^2/NDF: 30129492198604580634601900044445184.0/21

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517l2.0/24

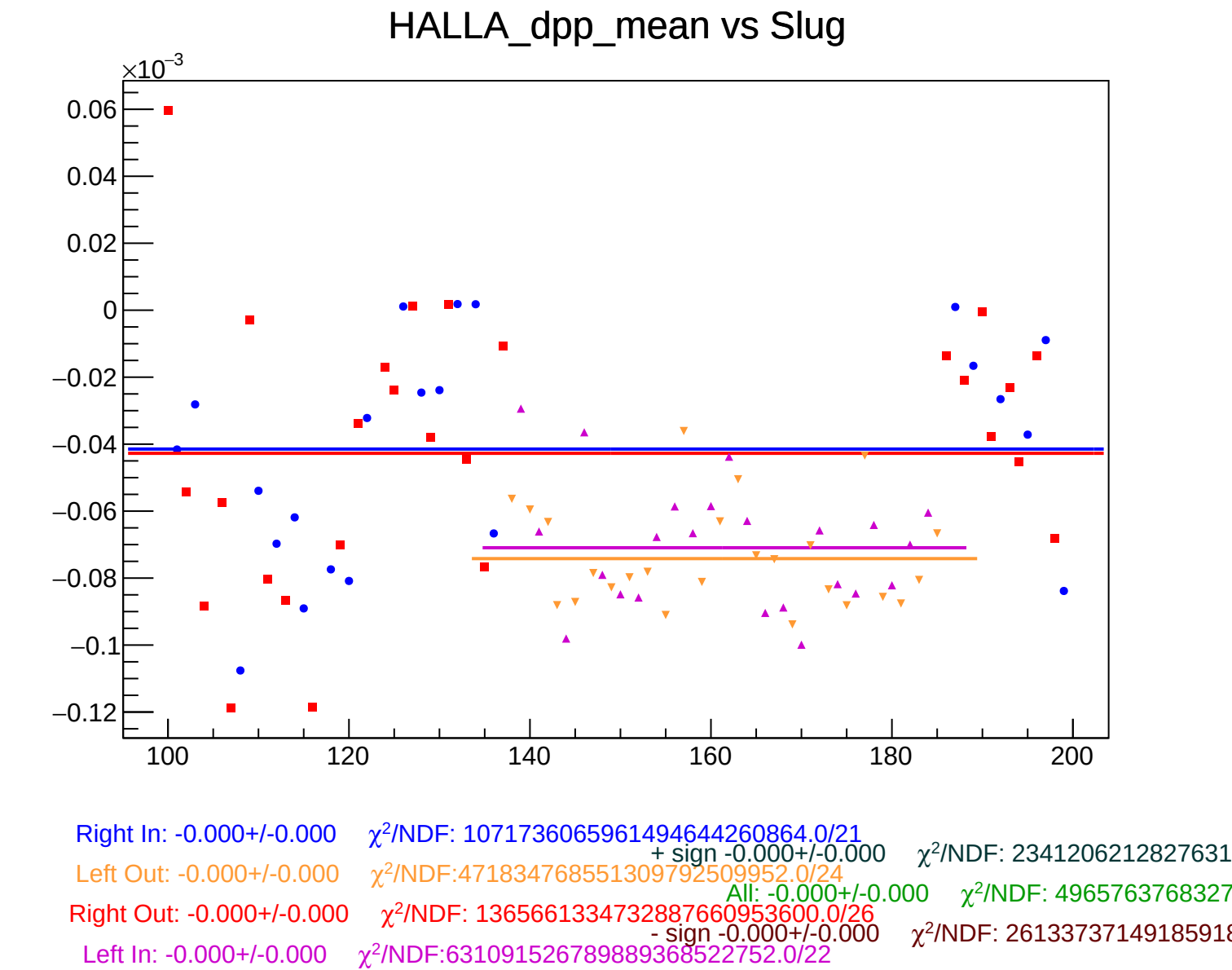
Right Out: 2174.057+/-0.000 χ^2/NDF: 935269271496885542761430546330419 2.0/26

Left In: 2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

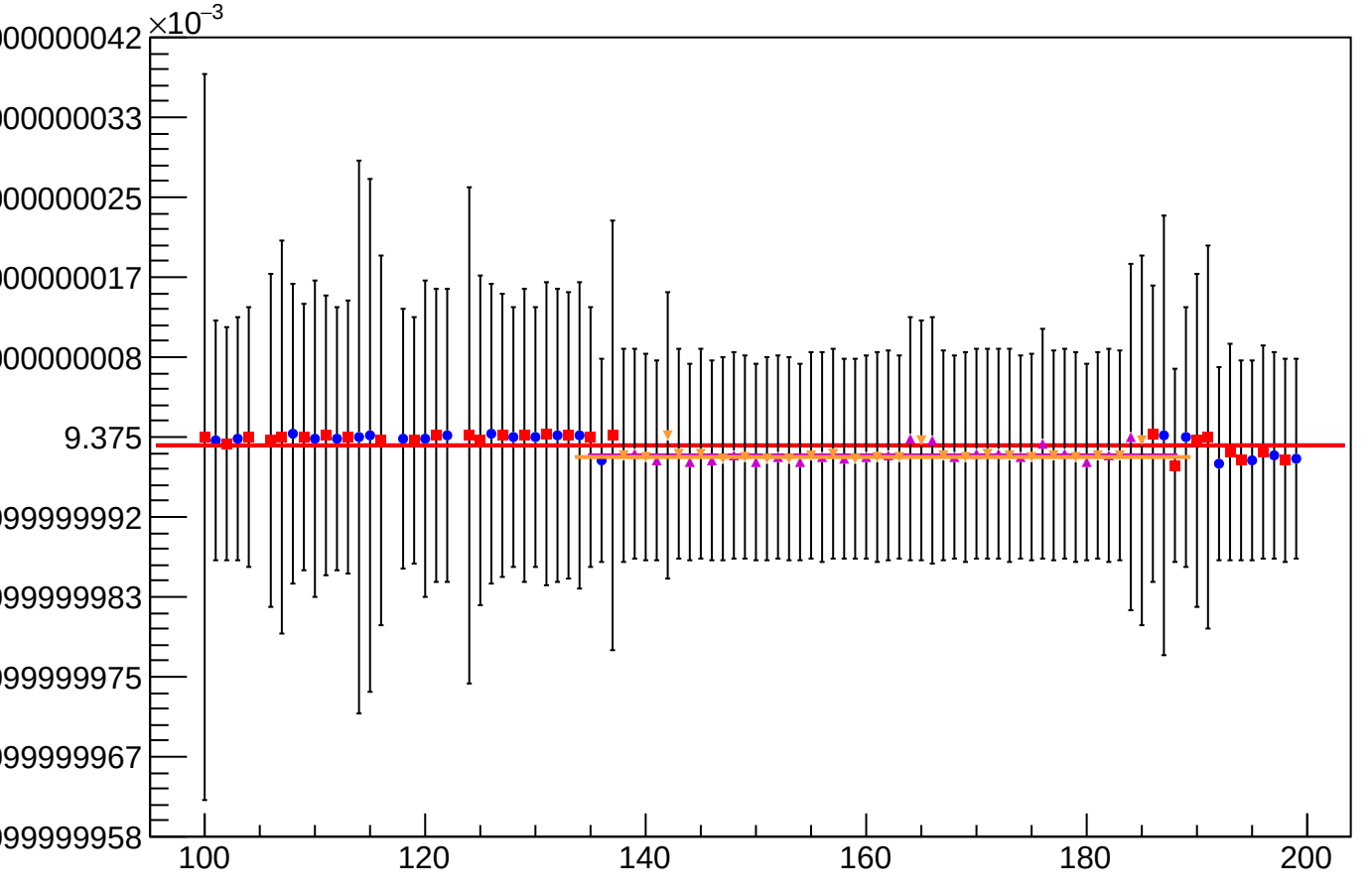
+ sign 2174.704+/-0.000 χ^2/NDF: 8245317284865

All: 2174.533+/-0.000 χ^2/NDF: 2142212605

- sign 2174.363+/-0.000 χ^2/NDF: 12990296103178


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: 10717360659614946442608640.0/21
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 13656613347328876609536000.0/26
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 2341206212827631
All: -0.000+/-0.000 χ²/NDF: 4965763768327
- sign -0.000+/-0.000 χ²/NDF: 26133737149185918

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/26

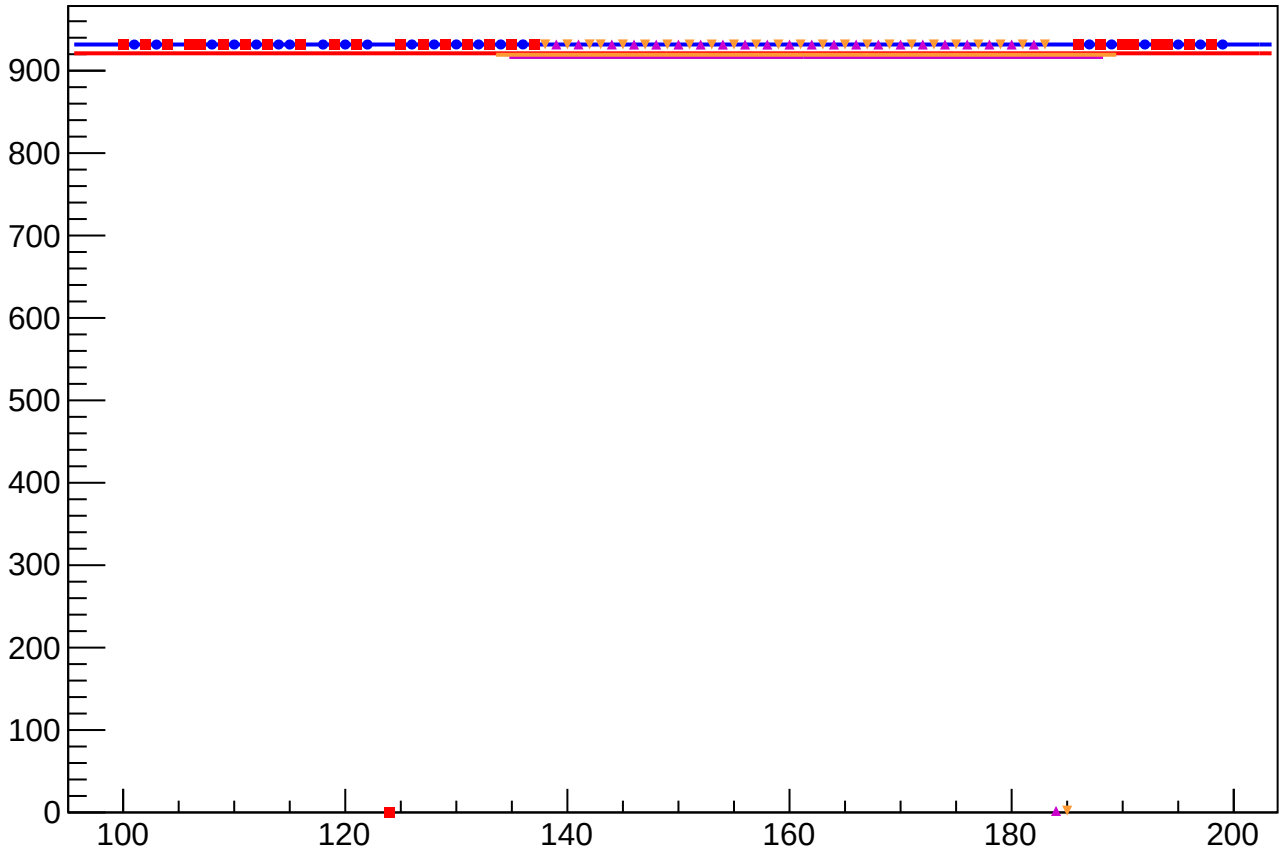
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/96

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.776+/-0.000 χ^2/NDF: 3187275366683650071182983561216.0/21

+ sign 923.936+/-0.000 χ^2/NDF: 231362156506281

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

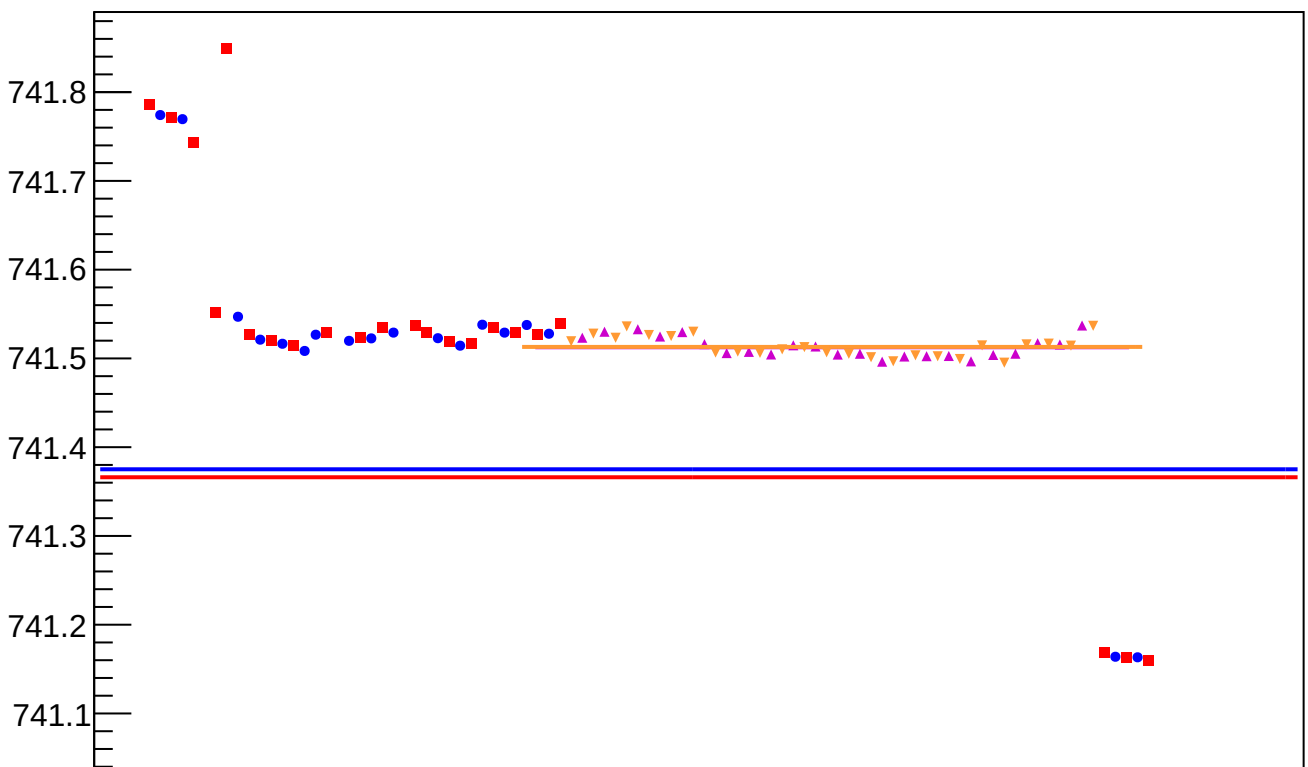
All: 921.191+/-0.000 χ^2/NDF: 624422012039

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: 741.375+/-0.000 χ^2/NDF: 82246213906895126191351135207424.0/21

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 741.462+/-0.000 χ^2/NDF: 966570247858842

All: 741.458+/-0.000 χ^2/NDF: 204912525331

- sign 741.453+/-0.000 χ^2/NDF: 108123563549858

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.807+/-0.000 χ^2/NDF: 1389399943749179343177605185536.0/21

+ sign 972.524+/-0.000 χ^2/NDF: 256335974626609

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

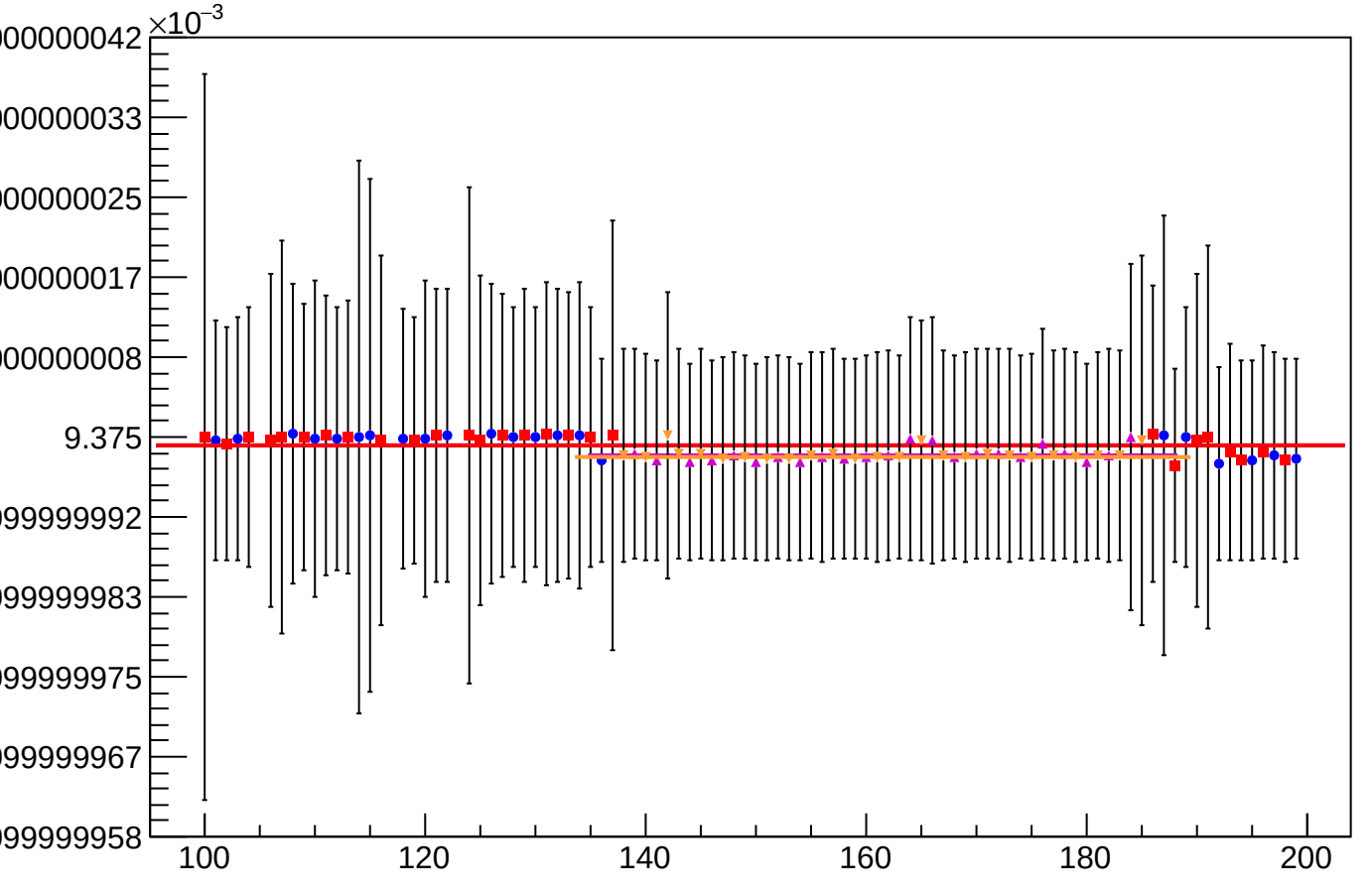
All: 971.926+/-0.000 χ^2/NDF: 550483295453

Right Out: 980.776+/-0.000 χ^2/NDF: 6337044260494635835977530710425 6.0/26

- 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: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/26

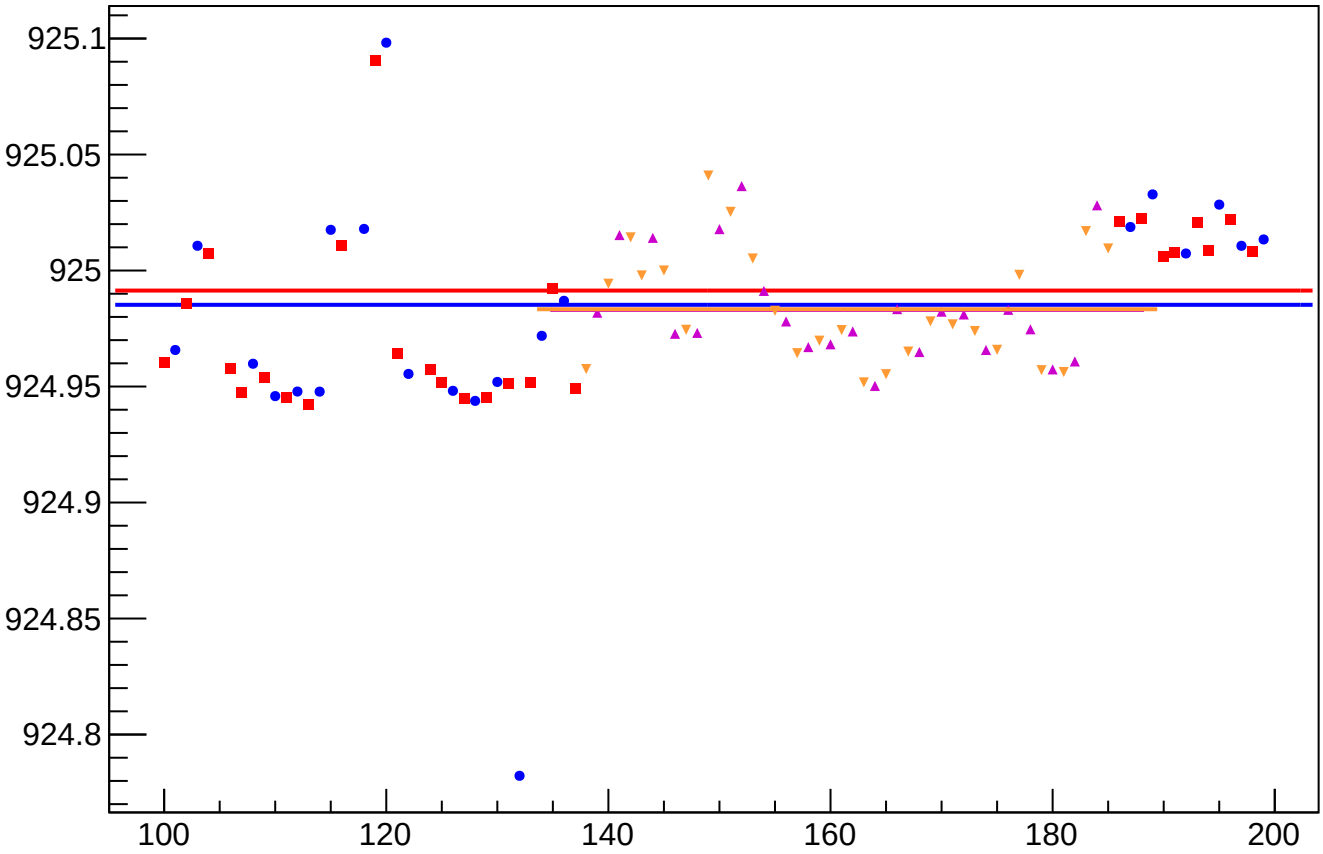
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/96

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.985+/-0.000 χ^2/NDF: 330211718772765738269067444224 0.0/21

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.991+/-0.000 χ^2/NDF: 1816754931499636315168073318400.0/26

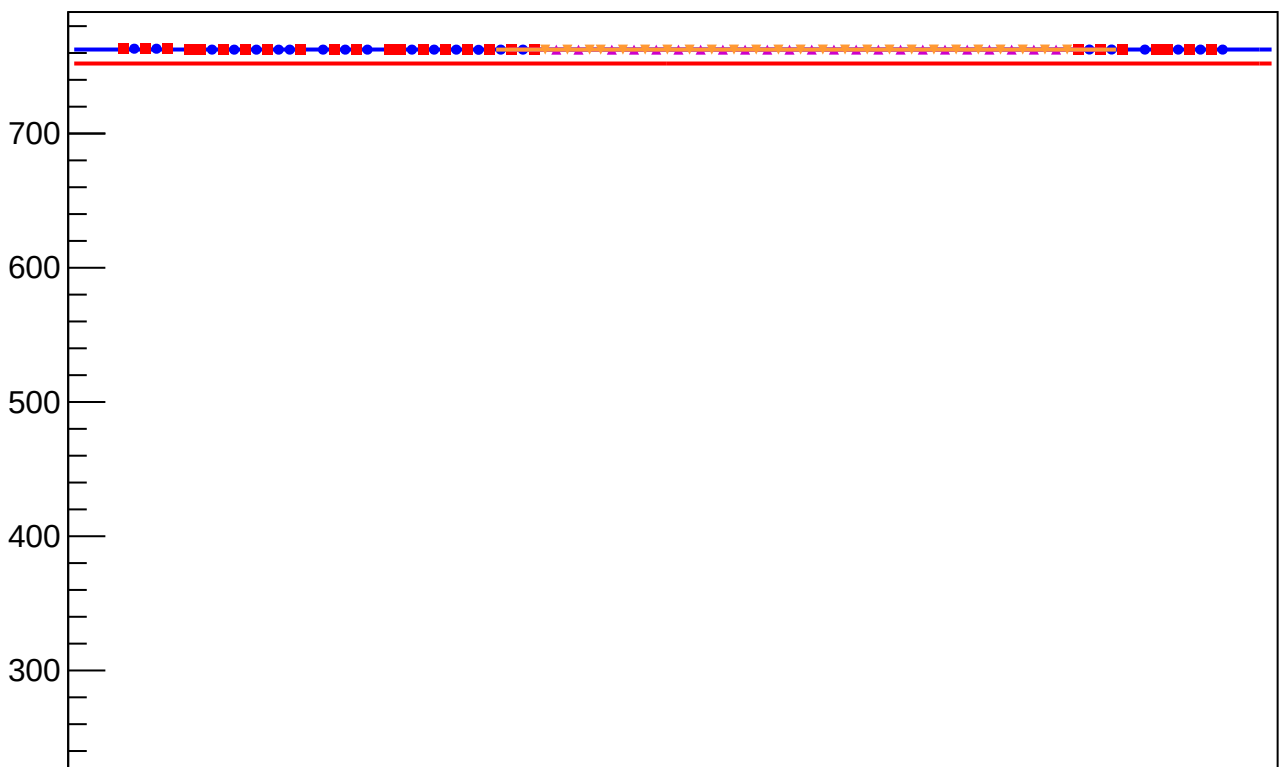
Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.984+/-0.000 χ^2/NDF: 446595303402142

All: 924.985+/-0.000 χ^2/NDF: 72742677877

- sign 924.986+/-0.000 χ^2/NDF: 279913377182833

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.583+/-0.000 χ^2/NDF: 538019900277913296511847890944000.0/21

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

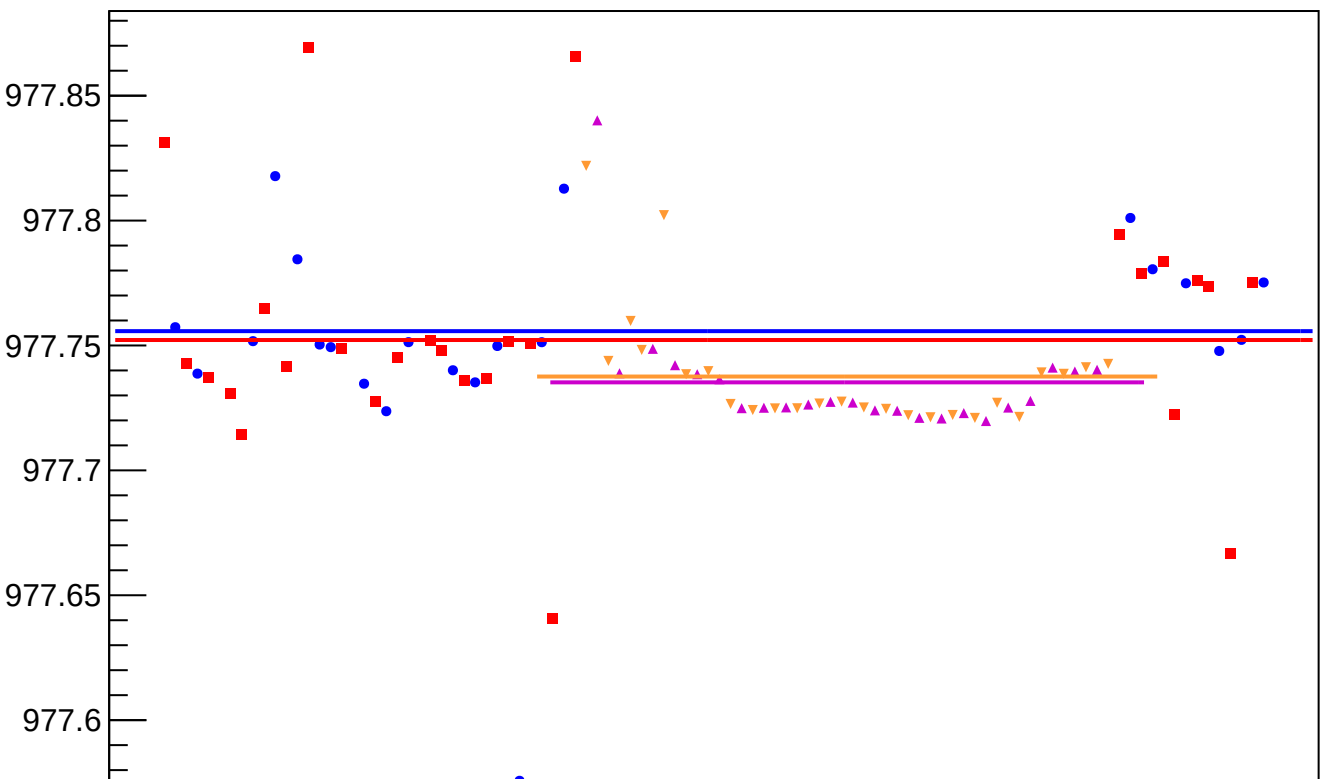
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.542+/-0.000 χ^2/NDF: 576964149097025

All: 760.418+/-0.000 χ^2/NDF: 74096579753

- sign 758.302+/-0.000 χ^2/NDF: 738078566401897

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.756+/-0.000 χ^2/NDF: 2141183726707280810274654781440.0/21

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.752+/-0.000 χ^2/NDF: 27351176692807969547394922577920.0/26

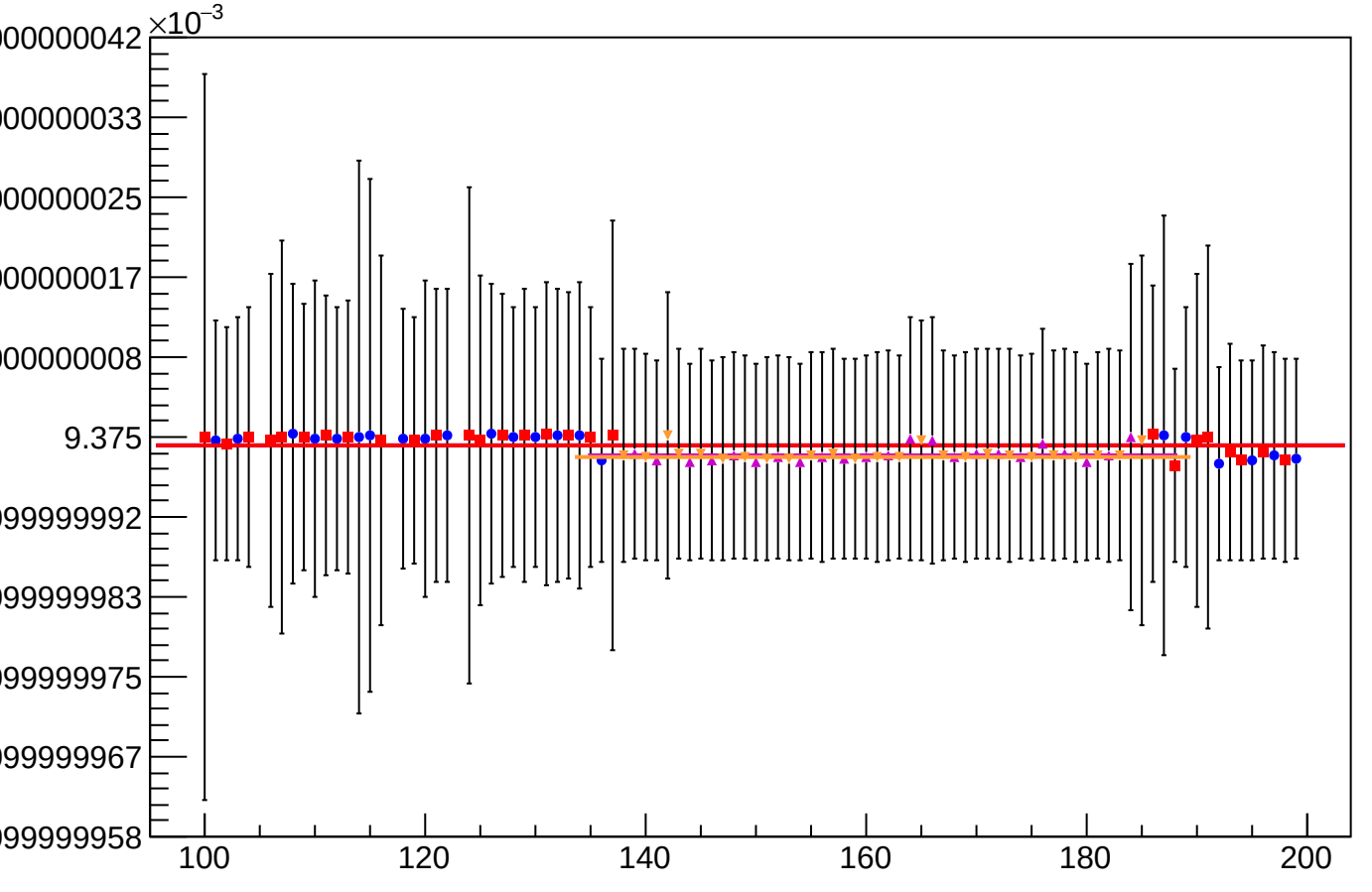
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

+ sign 977.744+/-0.000 χ^2/NDF: 356561634153585

All: 977.743+/-0.000 χ^2/NDF: 76276857628

- sign 977.742+/-0.000 χ^2/NDF: 405471294221427

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/26

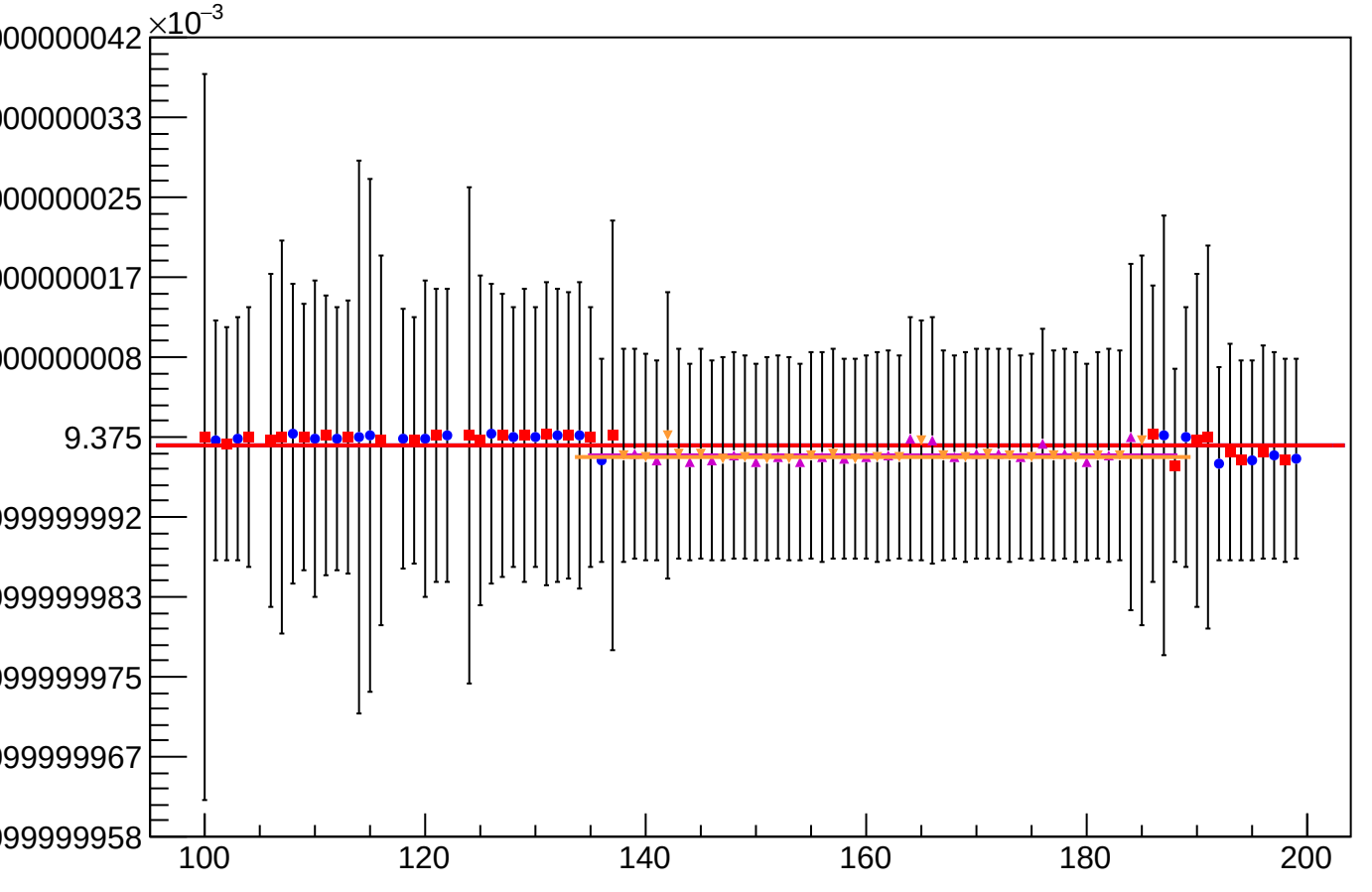
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/96

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/26

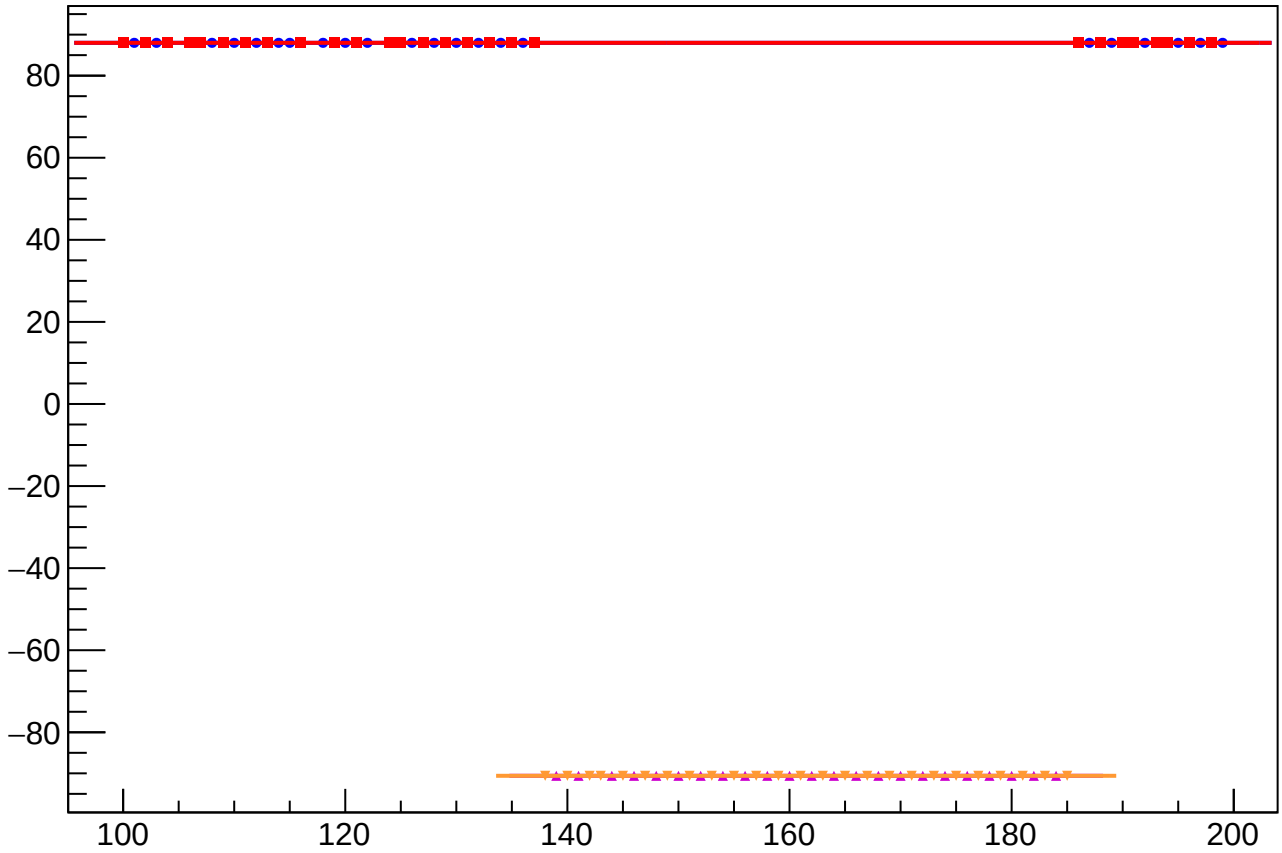
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/96

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 2332907.8/21

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

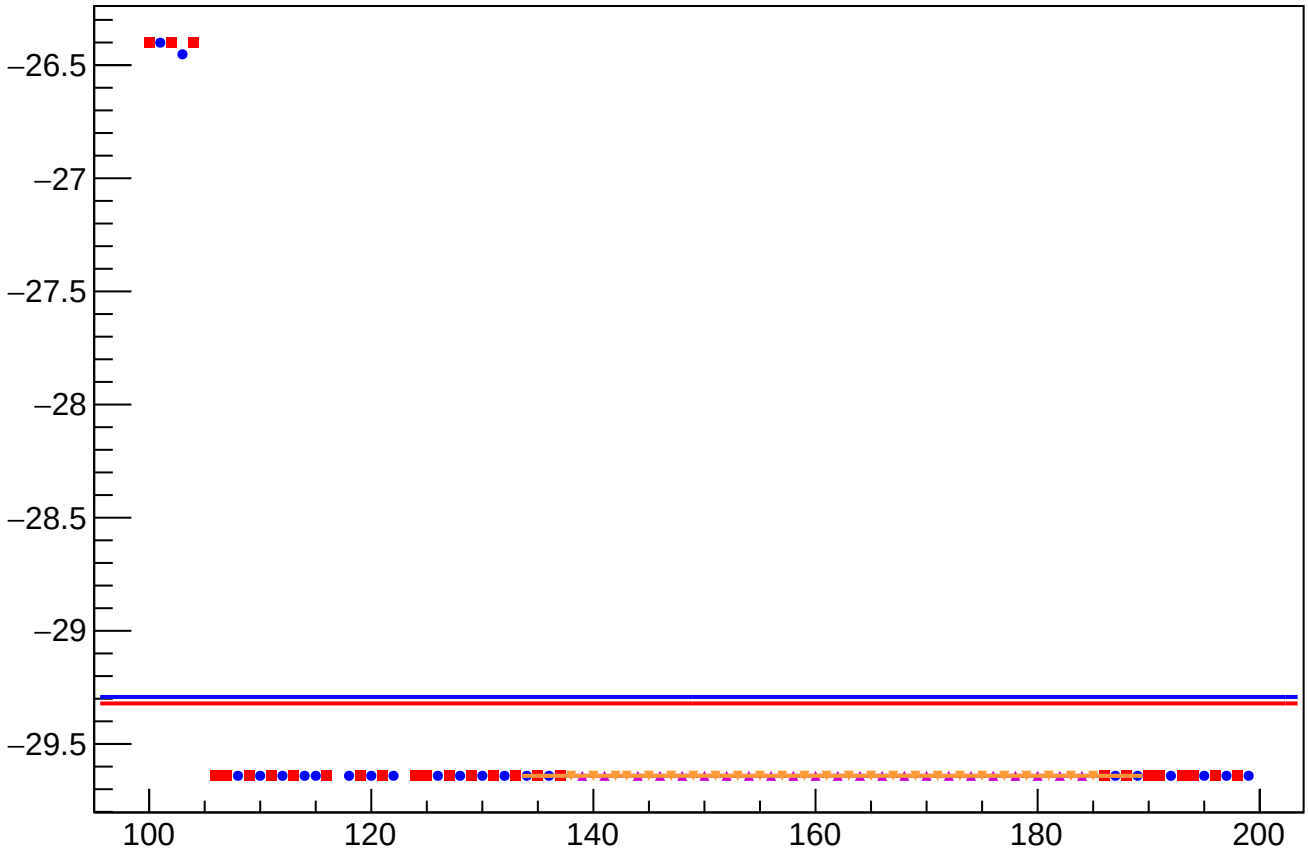
Right Out: 88.002+/-0.000 χ^2/NDF: 755484185763094291547118632960/26

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -24.664+/-0.000 χ^2/NDF: 237640101136855

All: -21.298+/-0.000 χ^2/NDF: 485682888939

- sign -17.947+/-0.000 χ^2/NDF: 247319491344260



Right In: -29.292+/-0.000 χ^2/NDF: 1179497767606154325408711639564288.0/21

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: -29.321+/-0.000 χ^2/NDF: 1220532740015311207217633939161088.0/26

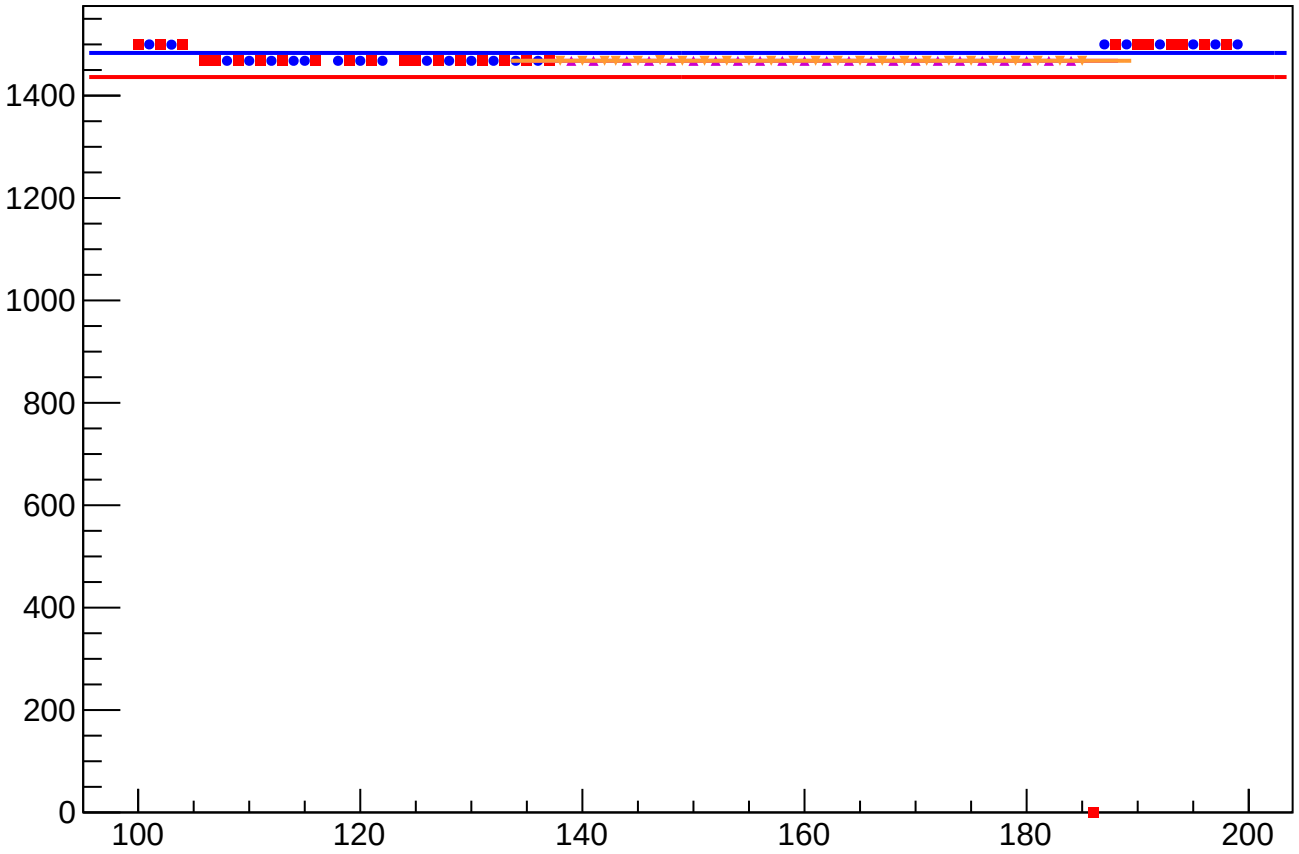
Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.512+/-0.000 χ^2/NDF: 126993650415754

All: -29.511+/-0.000 χ^2/NDF: 256976038128

- sign -29.511+/-0.000 χ^2/NDF: 129982047731091

psub_pl_pos_mean vs Slug



Right In: 1483.353+/-0.000 χ^2/NDF: 3012520573262623480653129274233978880.0/21

+ sign 1473.700+/-0.000 χ^2/NDF: 4758407260974

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

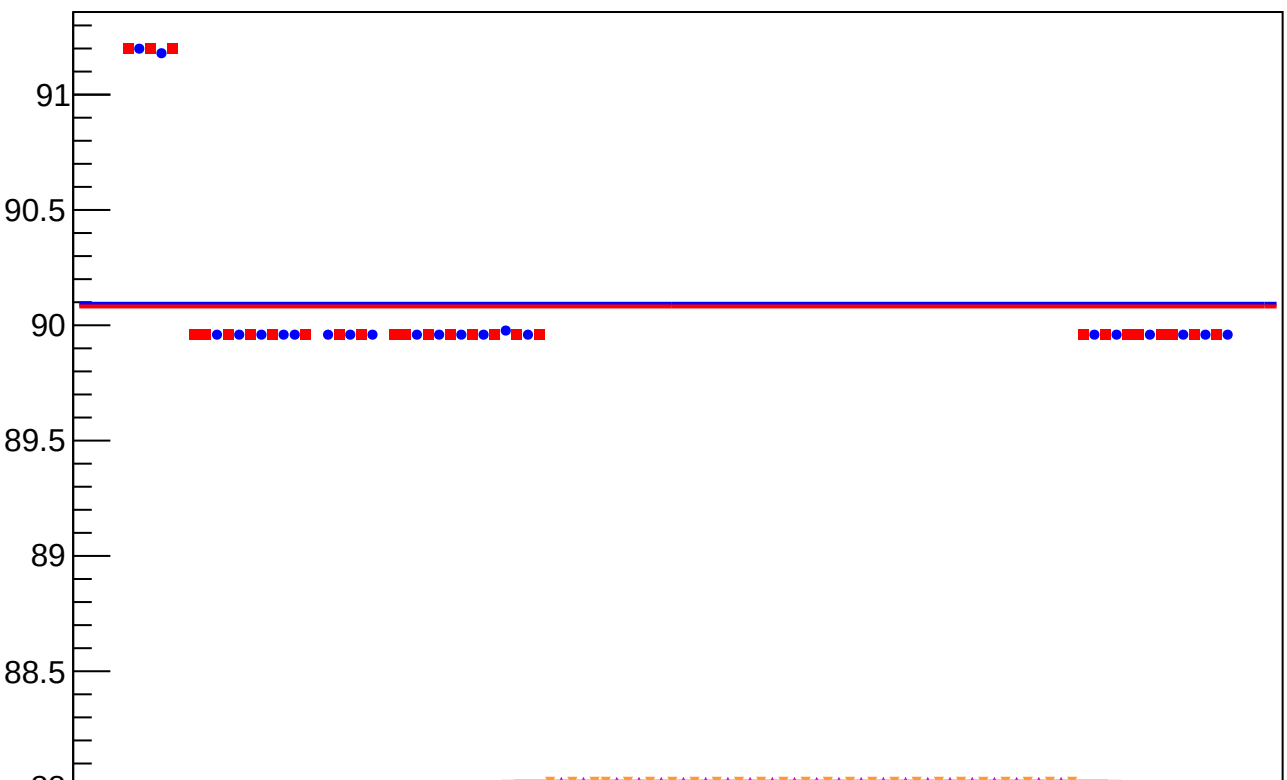
All: 1464.373+/-0.000 χ^2/NDF: 9165145460

Right Out: 1436.266+/-0.000 χ^2/NDF: 898398176612450565124347093001500098560.0/26

- sign 1455.087+/-0.000 χ^2/NDF: 9062029614657

Left In: 1467.994+/-0.000 χ^2/NDF:1554938089860967537552245391360.0/22

Phi_FG_mean vs Slug



Right In: 90.093+/-0.000 χ^2/NDF: 172589747512166664031195409416192.0/21

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.082+/-0.000 χ^2/NDF: 178773352104077342282427062550528.0/26

Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.786+/-0.000 χ^2/NDF: 3372640083882213

All: 88.823+/-0.000 χ^2/NDF: 685334661326

- sign 88.859+/-0.000 χ^2/NDF: 3472106691820398

IGL1I00DI24_24M_mean vs Slug

Right In: 16.009+/-0.000 χ^2/NDF: 328519.5/21

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 17350105938357725828218880.0/26

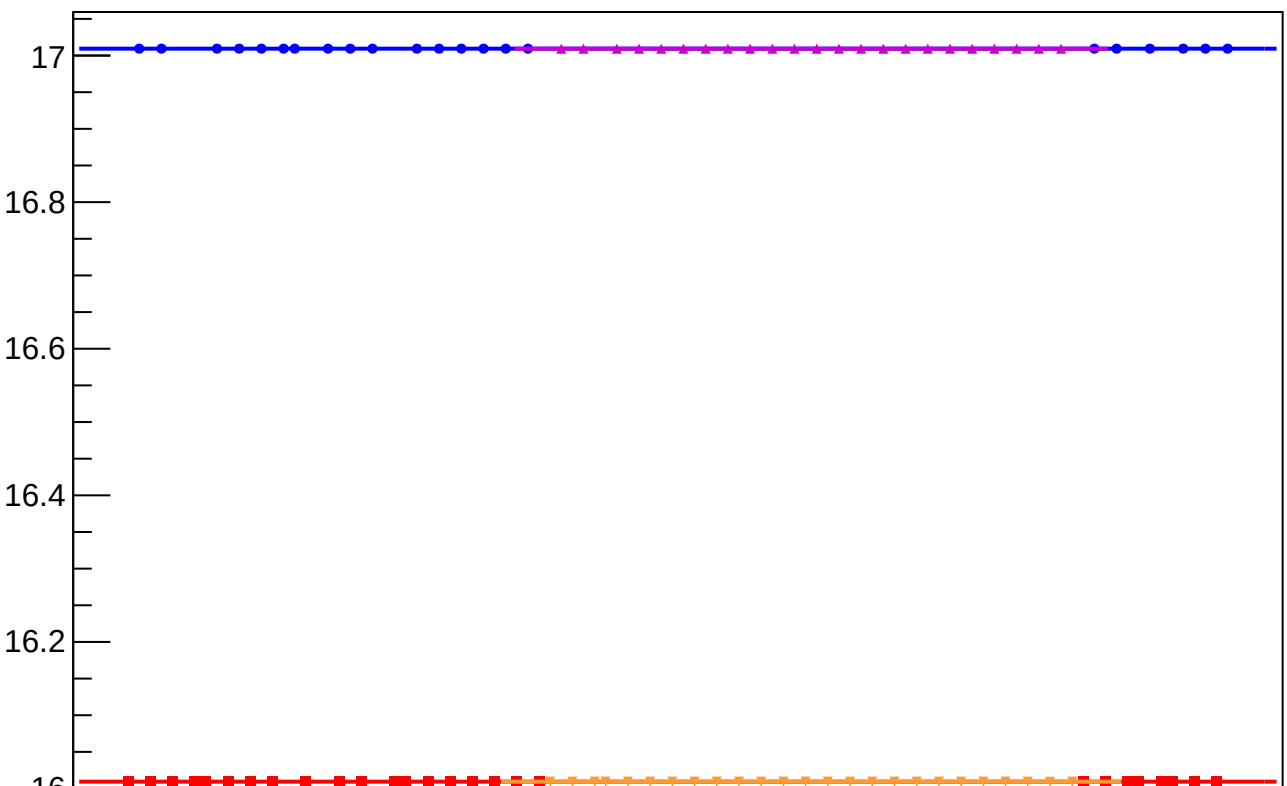
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.630+/-0.000 χ^2/NDF: 7091416839128806

All: 16.526+/-0.000 χ^2/NDF: 1503065438722

- sign 16.421+/-0.000 χ^2/NDF: 7278300893392338

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 249317.9/21

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 332798.3/26

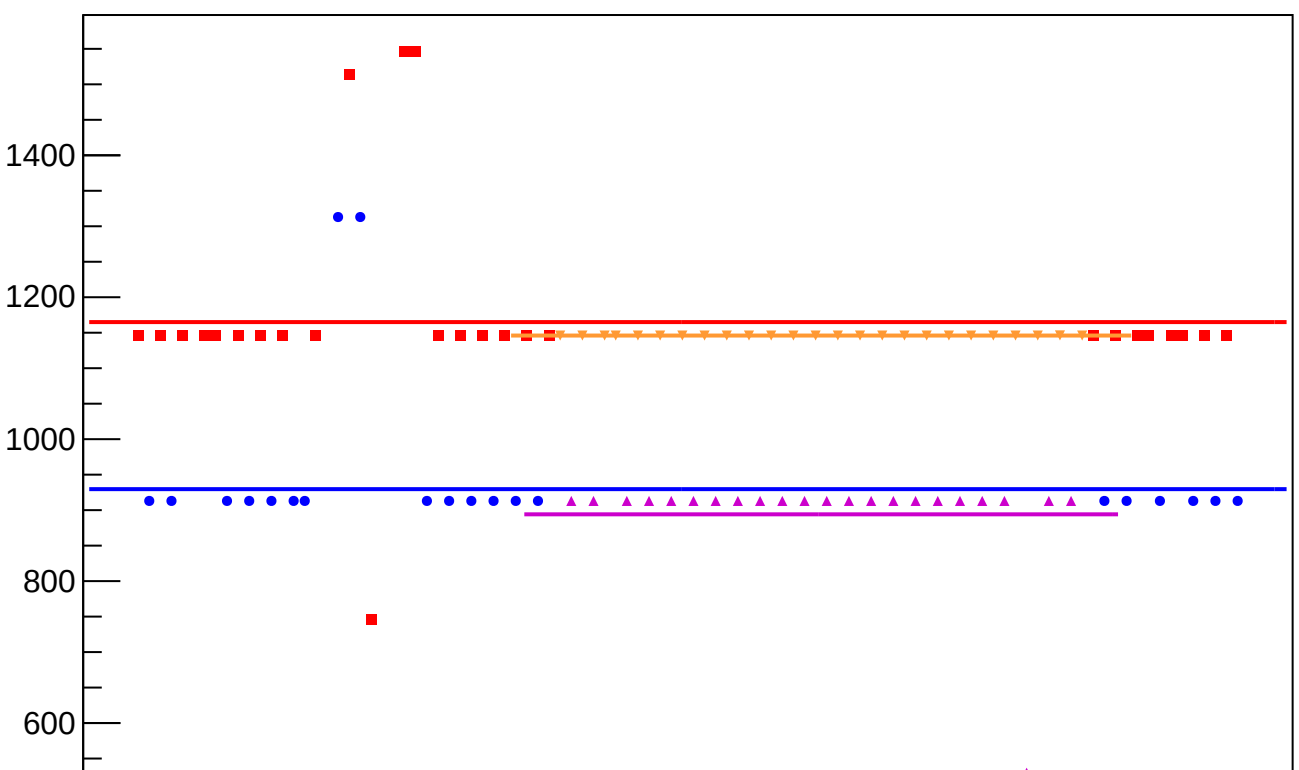
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.375+/-0.000 χ^2/NDF: 7278941869190964

All: 16.487+/-0.000 χ^2/NDF: 157222126212

- sign 16.597+/-0.000 χ^2/NDF: 7662256897274122

RTPAPOSUCNT_mean vs Slug



Right In: 929.592+/-0.000 χ^2/NDF: 212760746792457259576053551054454784000.0/21

+ sign 1066.119+/-0.000 χ^2/NDF: 561728477487737

Left Out: 1146.020+/-0.000 χ^2/NDF:3703071297941871459906430697472.0/24

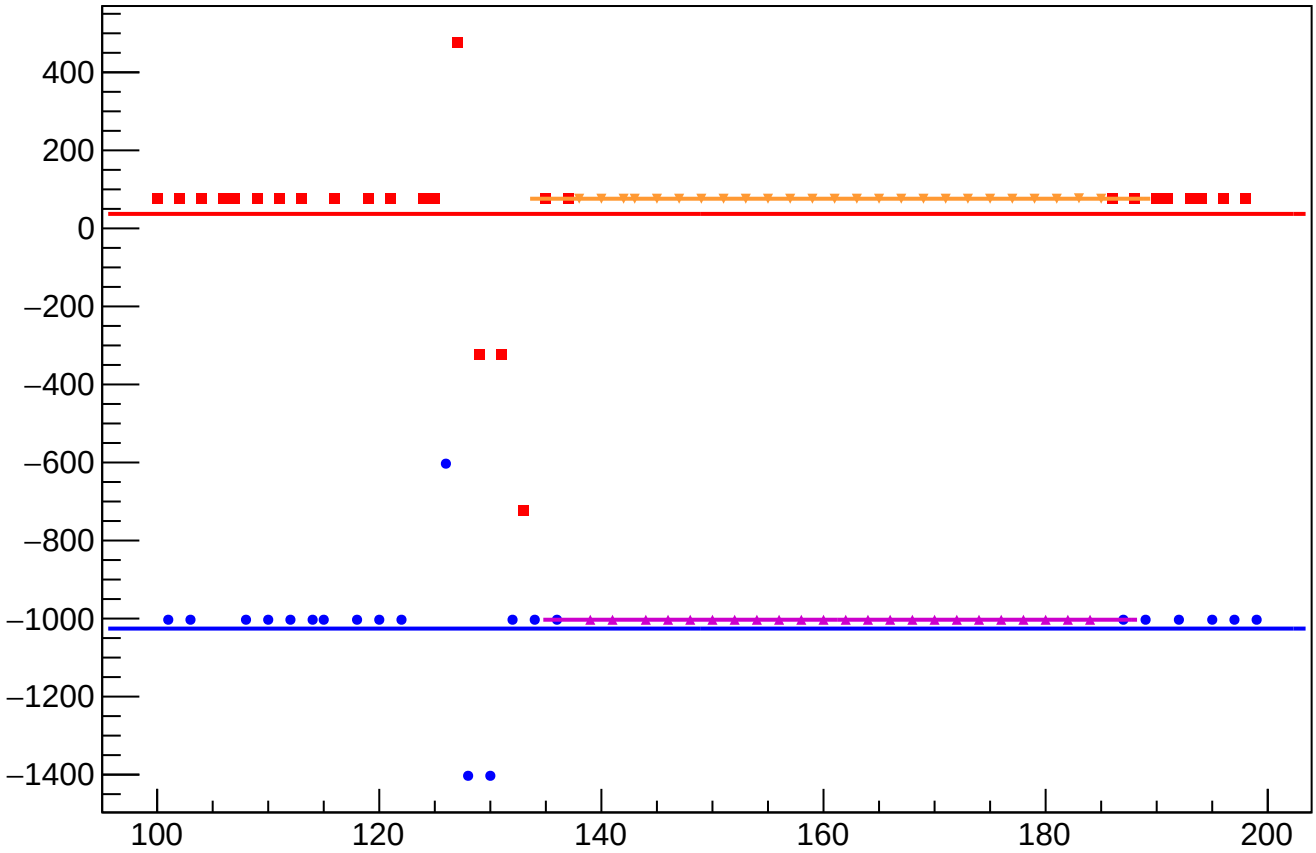
All: 1035.140+/-0.000 χ^2/NDF: 154772467254

Right Out: 1164.985+/-0.000 χ^2/NDF: 22475766099128152402519712961073774592.0/26

- sign 1004.296+/-0.000 χ^2/NDF: 924727377361587

Left In: 894.107+/-0.000 χ^2/NDF:1310723829921171278389618380296421376O.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1025.682+/-0.000 χ^2/NDF: 232314776551167228153235692915890585600.0/21

+ sign -330.684+/-0.000 χ^2/NDF: 92752860838845

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048O.0/24

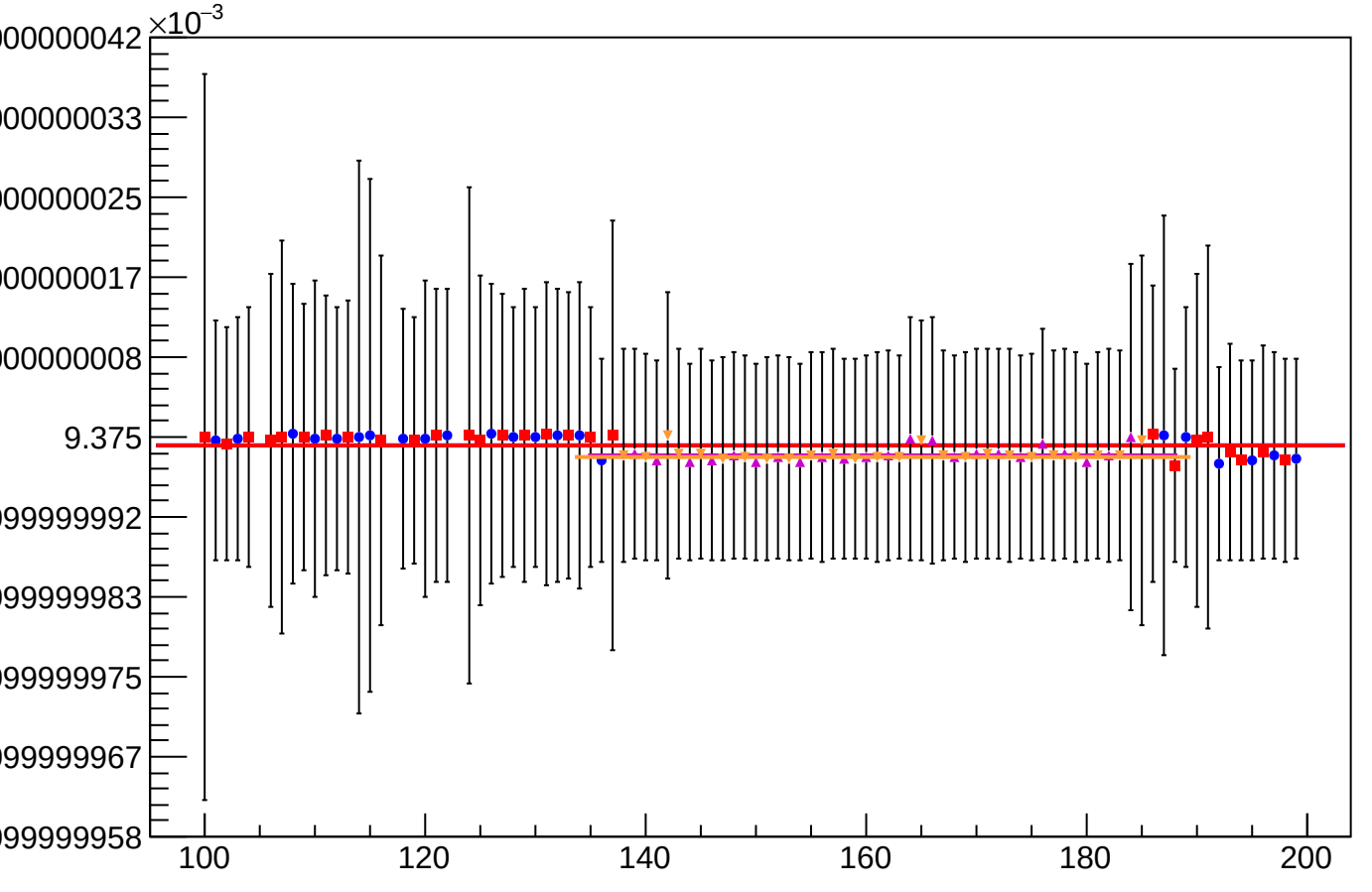
All: -455.554+/-0.000 χ^2/NDF: 19133501904

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:29519559033483147530972692 48.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/26

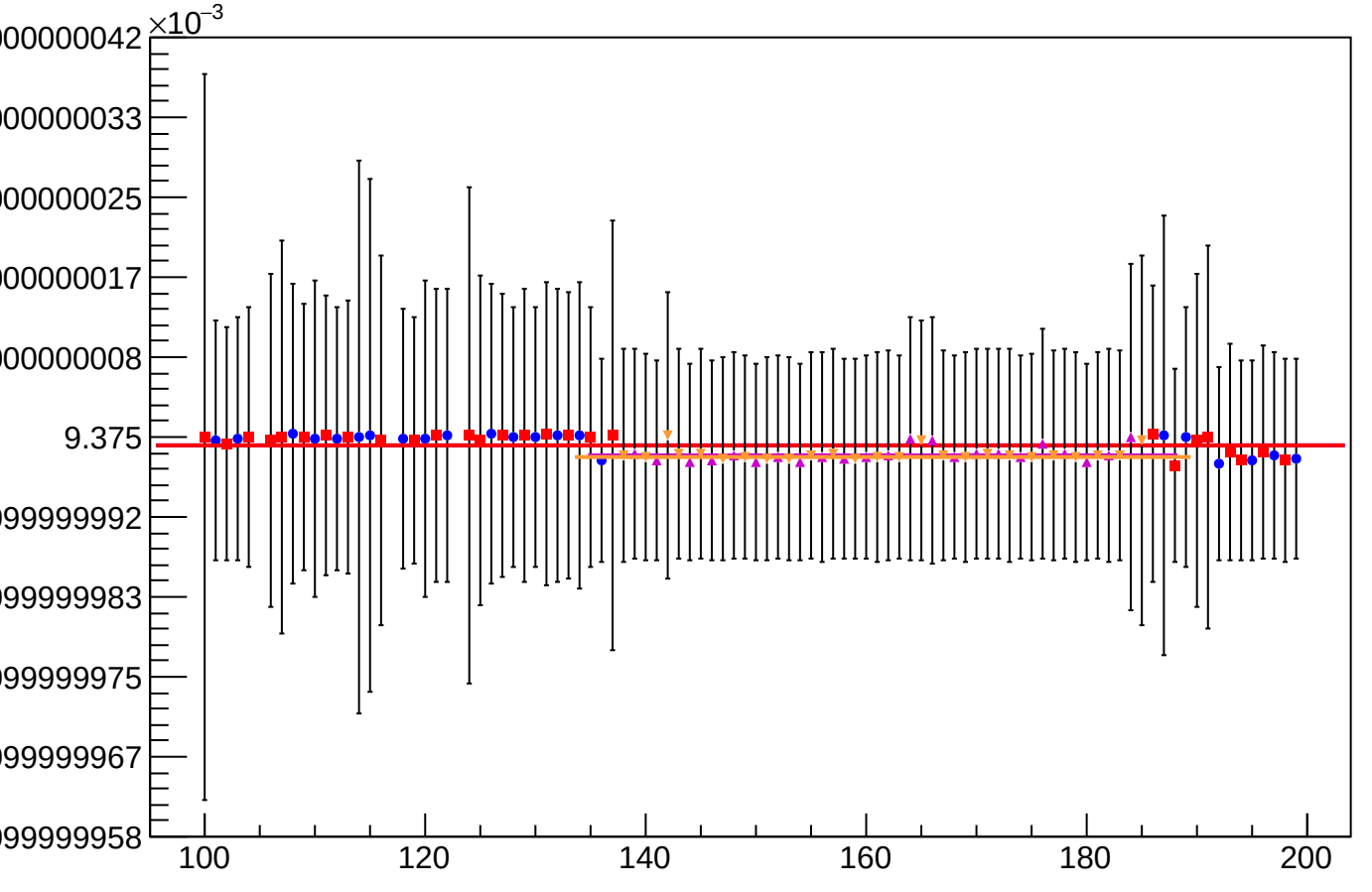
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/96

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

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: 0.3/46

All: 0.009+/-0.000 χ^2/NDF: 0.7/96

- sign 0.009+/-0.000 χ^2/NDF: 0.3/49